GENERAL NOTICE

NOTICE 1538 OF 2009

INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA (ICASA)

NOTICE OF PUBLICATION OF FINAL TERRESTRIAL BROADCASTING FREQUENCY PLAN, 2008

The Independent Communications Authority of South Africa ("The Authority") hereby gives notice in accordance with section 34 of the Act. After due consideration of comments and representations received pursuant to the two published draft terrestrial broadcasting frequency plans, the Authority has now determined the Final Terrestrial Broadcasting Frequency Pan 2008 and hereby publishes the plan accordingly.

Copies of the plan are available from ICASA offices at Pinmill Farm, 164 Katherine Street, Block D, Sandton and on ICASA website http://www.icasa.org.za

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ACKNOWLEDGMENT

The Authority would like to acknowledge the contribution of all individuals and organizations who participated in the production of the drafts and the Final Terrestrial Broadcasting Frequency Plan 2008.

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SUBMISSIONS

The Authority would like to thank the following organizations and individuals who made submissions and representations:

1. Association of Christian Broadcasters (ACB)
2. All Media
3. Cell-C (Pty) Ltd
4. Ericsson
5. eTV
6. FLO Forum
7. ISPA (Internet Service Providers' Association)
8. MNET
9. MTN
10. Nation Association of Broadcasters (NAB)
11. Neotel (Pty) Ltd
12. On Digital Media
13. Orbicom
14. Qualcomm
15. Radio Pulpit
16. Radio Veritas
17. SABC
18. Sentech (Pty) Ltd
19. Square Kilometre Array (SKA)
20. Smile (Pty) Ltd
21. SUPER5 MEDIA
22. Telkom (Pty) Ltd
23. Telkom Media (Pty) Ltd
24. Vodacom (Pty) Ltd
25. Walk on Walter Television (WOWTV)

INTRODUCTION AND BACKGROUND

The Authority is publishing final draft terrestrial broadcasting frequency plan 2008 in terms of in terms of sections 30 (1) and 34 of the ECA, as an annexure to the National Radio Frequency Plan. This document should thus be read together with the National Radio Frequency Plan. The document is published for the purposes of adding further detail to the allotment of broadcasting frequencies, with a specific emphasis on frequencies that will be assigned for digital migration purposes.

After due consideration of comments and representations received pursuant to the two published draft broadcasting frequency plan 2008, the Authority has made a determination on the allotment and assignment of frequencies for the dual illumination period. This determination will, in particular, assist the electronic communications network services (ECNS) in the rollout of an electronic communications network for digital terrestrial television across the country. In the interest of providing the necessary clarity in respect of the Authority's perspective of the whole broadcasting sector, the document also highlight the allotment of frequencies for the purposes of sound broadcasting services.

The Authority published the first final Terrestrial Broadcast frequency plan in October 1999. Two revisions have since been published in July 2002 and December 2005 respectively. To incorporate frequencies for digital terrestrial television a draft plan based on GE06 was published in 2008 as part of public consultative exercise for public comments. In response to the draft, public comments were received and a workshop was held with industry on 11 - 12 March 2009.

The second draft terrestrial broadcasting frequency plan 2008 was published on 6 July 2009 for the public to make further comments before a final determination is made and subsequently public hearing were held on 16 to 18 September where representations were made on all pertinent issues.

The main objective of the second consultative process was to elicit final comments from stakeholders to finalize the terrestrial broadcasting frequency plan for dual illumination period.

The following section clearly depicts the views, determinations and the final position taken by the Authority on all pertinent areas.

Multiplex 3

Views were expressed on the creation of Multiplex 3 and the need to list the frequencies as part of the plan. However multiplex three will be exclusively built on existing Mnet and CSN frequencies. The Authority is of view that Multiplex 3 will only emulate existing Mnet and CSN coverage and the network will not affect the DTT frequencies. Frequencies that will be relinquished through the hard switch over exercise will be used to optimise DTT frequency networks and for analogue switch off and new DTT services re-planning exercise.

Square Kilometre Array (SKA)

Further comments were received on the need to consider all frequencies in the Northern Cape according to the requirements of the Astronomy Geographic Advantage Act (Act no. 21 of 2007).

The Authority concurs with such sentiments and an insertion has been included in the documents which state that "all existing and future assignments/allotments in the frequency bands depicted in Table 1(all terrestrial broadcasting Bands) for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007)". In the plan all high power theoretical sites have been excluded to ensure compliance to the AGA requirements.

The Authority endeavours to initiate a separate process for further engagement of affected broadcasting industry to device alternative broadcasting transmission facilities/means for the SKA demarcated area.

Re-categorization of MW frequencies and Proposed FM Frequencies,

Discontent was expressed by some sound broadcasting services on Authority's continued refusal to assign spare commercial MW for community sound broadcasting purposes. The suggestion was to re-categorize the channels as "open use". The Authority has taken initiatives to deal with the issue around MW frequencies. This includes the recent ITA gazette for additional commercial sound broadcasting in the Primary Markets.

The Authority is of the view that the current licensing process should be allowed to run its course before AM frequencies can be made available for community broadcasting.

The Authority concurs with the sentiments and a separate process for re-categorization of AM frequencies outside the Primary Markets for community broadcasting purposes process will be undertaken to ensure that these new MW requirements are thoroughly addressed. It is envisaged that, such a process will be concluded by the end of June 2010.

New pre-coordinated frequencies were proposed for community sound broadcasting services for inclusion in the list of FM frequencies annexure. The Authority has reanalysed, co-ordinated as per proposed list, however only 15 of the proposed frequencies were suitable for inclusion in the plan and are included as part of FM frequencies on annexure A.

DTT planning approach

Views were raised that the broadcasting frequency plan should be based on digital migration regulations and the plan and the regulations must support each other. Further it was argued by some stakeholders that mobile broadcasting should not be a priority, but could be considered when the allocation of multiplexes to the DTT services has been concluded.

The Authority concurs with the view that the broadcasting frequency plan and digital migration regulations must be supportive of each other. The Authority endeavours to ensure that such is always the case. As a case in point, the draft Digital Terrestrial Television Regulations are based on the two Multiplexes as recommended in the GE 06.

Mobile broadcasting was identified as the country's strategic intent prior to RRC-06 and it was included in the GE-06. The introduction of mobile broadcasting is also one of the deliverables that the country has promised to FIFA ahead of the World Cup. Therefore, the plan caters for mobile broadcasting.

While the Authority intends licensing of mobile television services, that would be handled as a separate exercise from the planning process. In the interest of transparency, the Authority has already signalled its intention to issue an Invitation to Apply for this purpose. Mobile television will be licensed on technology neutral basis, where potential investors will retain their right to choose their own technology/standard amongst the existing options such as DMB and DVB-H.

As indicated above, the introduction of mobile broadcasting will not affect the future licensing of additional DTT services. Based on the GE06 Plan, the Authority is of the view that digital migration will free additional frequencies in the 470-790 MHZ. Although the Authority is committed to further consultation on the distribution on the digital dividend, there is no doubt that a significant part of this band will be allocated back to television for the purposes of providing High Definition Television (HDTV) as well as cater for the introduction of competition in both the pay and free –to- air markets (FTA).

Digital Dividends and 790 to 862 MHz band

There was a strong lobby to have the band 790 to 862 MHz to be made available for IMT immediately, just as there was an equally strong lobby against immediately releasing the band for IMT. Those who wanted the band to be made available immediately argued that South Africa is party to decisions of WRC-07 final regulations, enabling countries to make the band available before June 2015.
The other lobby argued that there are existing analogue services which need protection in this band. Furthermore, there is a risk of non-usable frequencies during dual illumination.

There was a lot of anxiety around the distribution of the digital dividend between broadcasting and electronic communications services. Some stakeholders argued that it is premature to start considering digital dividends at the moment, before the end of the dual illumination period.

The Authority takes the view that to minimise risks and to protect consumers, 790 to 862 MHz should be released for IMT after November 2011 or when and where analogue services have been switched off. The Authority will endeavour to limit new assignments made in this band. The freeing of this band will also allow the creation of a unified 800MHZ for the purposes of providing electronic communications services such as broadband. This is in line with emerging international practice.

On digital dividends, based on international benchmark, the Authority anticipates frequency spectrum in the region of 300MHz to be released after dual illumination. Consideration for utilization of this spectrum will include additional broadcasting services, high definition TV, return paths for interactive TV, and others. The process around this will be informed by national objectives and policy intent. The Authority will continue engagements on market studies to ascertain needs and advise on policy issues.

Other issues

The Authority will endeavor to remain technology neutral as far as it is practically possible. However, where necessary, the Authority will engage industry on the adoption of certain standards in line with the objectives of the ECA.

- A number of errors and omissions have been highlighted in the submissions. The Authority has taken every effort to make appropriate amendments to the current draft.

- Issues around the Joint Spectrum Advisory Committee were raised. Terms of reference as the structure of the JSAC will be finalized as part of the finalization of digital terrestrial television regulations.

- The Authority also took note of the views expressed by stakeholders on the need to include, as part of the broadcasting plan, all available community radio frequencies.

- The workshop suggested that a technical committee be formed to look at all technical issues at hand and prepare a consolidated recommendation before the finalization of the plan. On further deliberations the Authority felt that the exercise would not add any substantial value, given that all views have been gathered from submissions and further canvassed during the workshop.

- The Authority also wishes to state that, subsequent to the workshop, it has received numerous uninvited correspondences from interested parties clarifying their various positions. None of these correspondences have had any substantial influence on positions expounded above.

Conclusion

Although, two widely diverging sentiments were raised in the submissions of both published drafts; during the workshop; and the public hearings. One predominant view was that the plan should be based on GE-06 which would allow speedy implementation. However, there was also a strong view that GE-06 plan was not optimal hence the slight deviation by the second ICASA draft to have a coverage that is comprehensive for dual illumination. The advocates of the second view proposed an allotment based plan, which would result in larger SFNs and contiguous blocks of channels.

The advantage in this approach is that it would make the broadcasting spectrum more organised and becomes easier to identify spectrum for digital dividends. The Authority accepts the view that an allotment based approach would be ideal. However, this exposes the plan to a huge risk of too many frequencies requiring international coordination. It also brings to question the country's commitment to international treaties and cooperation with our neighbouring countries. To determine the basis for delineation of service areas would require a lot time and effort. The GE-06 based plan attempts to minimise consumer disruptions by minimising changes on analogue services. This is the view that most of the representations alluded to during the public hearings. The Authority received a number of independent analysis from various broadcasters, which indicated no constraints with the implementation of the draft plan, their report only emphasised the suitability of the published plan for dual illumination.

In view of the above, it stands to reason that the final Terrestrial Broadcasting Plan should not deviate considerably from GE-06. The time, cost and effort far outweigh the benefits. There are indications that the identified limitations of the GE-06 based plan can be addressed satisfactory. It is worth noting that a number of countries avoid huge deviations from GE-06 for similar reasons.

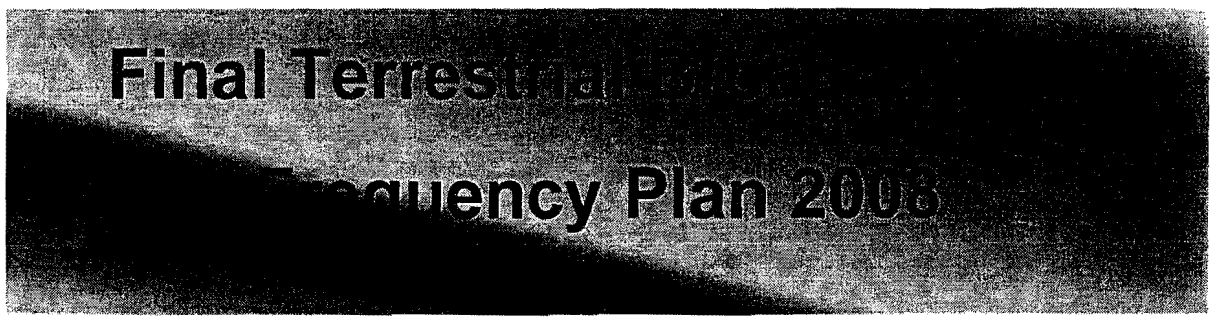
The Authority has considered the following factors in making its overall assessment:

- Compliance with GE-06 Plan
- The extent of co-ordination required
- Existing analogue frequency changes
- Number of interference cases

The Authority has taken into account all workable modifications suggestions for enhancement of the published drafts which were based on GE-06 and has incorporated them in the Final Terrestrial Broadcasting Frequency plan 2008.

PARIS MASHILE
CHAIRPERSON
INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA

Independent Communications Authority of South Africa



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ACRONYMS

AGA	Astronomy Geographic Advantage Act (Act No. 21 of 2007)
AM	Amplitude Modulation
Cat	Category
CML	Commercial National Service
COFDM	Coded Orthogonal Frequency Division Multiplexing
CSP	Content Service Provider
CTY	Community District Service
DAB	Digital Audio Broadcasting
dB	Decibels
DOC	Department of Communication, Republic of South Africa
DTT	Digital Terrestrial Television
DVB-H	Digital Video Broadcasting-Handheld
DVB-T	Digital Video Broadcasting-Terrestrial
ECA	Electronic Communications Act, 2005 (Act No. 36 of 2005)
ECNS	Electronic Communication Network Services
EMRP	Effective Monopole Radiated Power
EPG	Electronic Program Guide
ERP	Effective Radiated Power
FM	Frequency Modulation
FTA	Free To Air
GE06	Analogue and digital frequency plan as per RRC-06
HDTV	High Definition Television
HF	High Frequency
IBA	Independent Broadcasting Authority
ICASA	Independent Communications Authority of South Africa
IMT	International Mobile Telecommunication
IRD	Integrated Receiver Decoders
ITA	Invitation To Apply
ITU	International Telecommunication Union
kHz	Kilohertz
Kw	Kilowatts

LI	Licensed
LIC	Licensed
MDTT	Mobile Digital Terrestrial Television
MHz	Megahertz
MPEG	Moving Picture Expert Group-Advanced coding and tx of video
MUX	Multiplex Operator
MW	Medium Wave
OP	Operational
OPE	Operational
PAL	Phase Alternating Line
PNS	Public National Service
Pol	Polarization
PSB	Public Service Broadcaster
RRC-06	Regional Radiocommunication Conference 2006
SABC	South African Broadcasting Corporation
SAFTA	South Africa Frequency Table Allocations
SFN	Single Frequency Network configuration
SKA	Square Kilometer Array
SPA	Spare
STB	Set-Top-Box
T-DAB	Terrestrial Digital Audio Broadcasting
TV	Television
UHF	Ultra high Frequency
VCR	video cassette recording
VHF	Very High Frequency

1 INTRODUCTION AND BACKGROUND

The Authority is publishing final terrestrial broadcasting frequency plan 2008 in terms of in terms of sections 30 (1) and 34 of the ECA, as an annexure to the National Radio Frequency plan. This document should thus be read together with the National Radio Frequency plan. The document is published for the purposes of adding further detail to the allotment of broadcasting frequencies, with a specific emphasis on frequencies that will be assigned for digital migration purposes.

After due consideration of comments and representations received pursuant to the two published draft terrestrial broadcasting frequency plan 2008, the Authority has made a determination on the allotment and assignment of frequencies for the dual illumination period as depicted on the annexure G and H. This determination will, in particular, assist the electronic communications network services (ECNS) in the rollout of an electronic communications network for digital terrestrial television across the country. In the interest of providing the necessary clarity in respect of the Authority's perspective of the whole broadcasting sector, the document also highlights the allotment of frequencies for the purposes of sound broadcasting services.

The Authority published the first Final Terrestrial Broadcast Frequency Plan in October 1999. Two revisions have since been published in July 2002 (Gazette no 23695, notice 1341 of 2002) and December 2005 (Gazette no. 28299, notice no. 1513 of 2005) respectively. The 2009 Final Terrestrial Broadcasting Frequency Plan was to facilitate comprehensive deliberations on digital planning parameters and to incorporate frequencies for digital terrestrial television and mobile digital terrestrial television for dual illumination period.

2 GUIDING PRINCIPLES

The Authority's approach to this document was informed by a number of principles as outlined below:

Categorization of Services

The categorisation was informed by the following:

- Expressions of interest for commercial, community and digital broadcasting services;
- The Triple Inquiry Report, including language obligations[1];
- The current licensed broadcasting services;
- The SABC radio language service expansion;
- Coverage and ERP requirements of broadcasters;
- Additional regional public broadcasting services licenses.
- Restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007).

The Authority may consider re-categorisation where a request is made. In analysing the request, the Authority will consider optimum usage of the broadcast frequency spectrum and changes (technology or otherwise) in the broadcasting industry.

Contribution to the Diversity Requirements of the Act

Section 2(s) (i) of the ECA promotes a diversity of services. The Terrestrial Broadcasting Frequency Plan is aimed at contributing to diversity by amongst other things ensuring audiences have access to different categories of broadcasting services on different technological platforms.

[1] See page 8 of the Triple Inquiry Report 1995.

Protection of national and regional Identity, Character and Culture

The Terrestrial Broadcasting Frequency plan attempts to give every citizen access to at least one broadcast frequency assignment for a service in his or her language of choice. In areas of greatest demands, such as Johannesburg, a greater number of frequency assignments are grouped together to address this need. The Authority has noted that the roll out of digital terrestrial and satellite broadcasting would go a long way to help alleviate the shortage of frequency assignments in some geographic areas.

Balance between protection of existing broadcasting services and the need for digital migration

The Terrestrial Broadcast Frequency Plan does not deprive any existing licensed broadcaster of any frequency assignment. Future assignments though might necessitate some frequency changes to existing broadcasting services. These changes will as far as possible be limited to stations that have a low ERP and a small coverage area[2]. The GE-06 plan has made provisions for 2x1.5 MHz of a national T-DAB network for the whole country from 214-230MHz.

It was agreed with the SADC countries, that in areas where there is more demand, each country could add more channels after consultation with the affected neighbouring countries. T-DAB allotment can only be available once the current analogue services have migrated to digital.

Protection of the integrity and viability of the public broadcaster

Section 2(t) of the ECA advocates the protection of the integrity and viability of public broadcasting services. The plan protects all operational PBS services and reserves frequency assignments to cater for public broadcasting.

[2] Frequency changes will be made in accordance with Section 31(4) of the EC Act

Television frequency assignments with a low ERP (less than 1 kilowatt) were not considered for co-ordination and are therefore not protected.

Efficient Use of the National Frequency Spectrum

Section 2(e) of the Act provides for the efficient use of the radio frequency spectrum. The terrestrial broadcasting Frequency plan is developed in line with global spectrum management principles as prescribed by the ITU recommendations.

Fair Competition between Broadcasting Services

Section 2(f) of the ECA mandates the Authority to promote competition within the ICT sector. In order to fulfil this mandate, the plan allows, in most cases, for frequency assignments with similar coverage area (CML, PBS, PNS) in the same licence areas. This will allow for effective competition between different private broadcasters due to the equal potential listener- and viewer-ship from a transmitter site. The responses for the expressions of interest for radio (community and commercial) were taken into account in developing the Plan. The Community frequency assignments vary in ERP from area to area, and sometimes in the same area, depending upon the coverage requirements for each Community.

Promotion of stability in the broadcasting Industry

The Authority has attempted to make frequency assignments available according to demand, need and population distribution.

Promotion of research into broadcasting policy and technology

The Authority has actively supported the promotion of research into broadcasting policy and technology and has licensed test broadcasts for both T-DAB Eureka 147 as well as DVB-T. Tests have been conducted by Sentech in Johannesburg and Pretoria for T-DAB on 239.2 MHz and 1466.656 MHz. Test for DTT has been carried out on channel 58 in Johannesburg. Orbicom

and MNET have also conducted DTT tests in Johannesburg, Kyalami and Helderkruin on channel 62. The Authority has also issued DVB-H test licenses to MNET, Vodacom and Sentech. The feedback received from the tests assist the Authority in acquiring insight on pertinent issue of the technology.

3 DIGITAL MIGRATION PLAN

3.1 Preparatory Stage

The Authority has in 2007 issued DVB-H test licenses to MNET, Vodacom and Sentech. The feedback received from the tests assisted the Authority in acquiring knowledge and insight from industry of the potential that such a broadcasting service could have in the development of digital broadcasting in the country.

The Department of Communications in preparing the country for the Regional Radiocommunications Conference (RRC-06) that was held in May/June 2006 established a National Preparatory Task Team, with the view of developing a digital plan for South Africa. The National Preparatory Task Team subsequently agreed on a plan that was submitted to the International Telecommunications Union (ITU). These processes culminated in the draft terrestrial broadcasting frequency plan 2008 which was gazetted in October 2008 and subsequently the publication of the final terrestrial broadcasting frequency plan 2008 for dual illumination.

3.2 Issues Covered in the Plan

The Plan seeks to address the introduction of new players in the market from the inception of digital transmission. This plan attempts to meet the digital migration broadcasting frequency requirements as submitted by industry.

The plan permits new players, albeit limited and as services begin to switch off analogue transmissions a further freeing of spectrum will permit more role players to enter into the market.

The Plan also addresses the Digital Audio Broadcasting (DAB) services needs by the industry. The occupancy of the Very High Frequency Band (VHF) by television services further limits the introduction of Digital Audio Broadcasting in the short term.

Due to the limited number of VHF channels available and the intensive occupancy of VHF band, use of these frequencies for DAB and DTT can only occur once existing analogue television services have migrated to a digital platform. The VHF band has only seven frequency assignments, and all these frequencies are extensively used for television transmission in analogue format. It is therefore essential that in order for Digital Audio Broadcasting to be deployed in this band some services will have to be migrated .

The Plan proposes that should there be a need for introduction of DAB before some television assignments have migrated; the L-Band should be used in the short term. The bands that DAB can operate are the VHF band, the L-Band and through satellite. Therefore in as far as terrestrial transmission is concerned the only option is to deploy DAB in the L-Band in the short term until such time that the television services have migrated.

The ideal requirements for DTT spectrum were compiled by the National Preparatory Task Team which included of all broadcasters and signal distributers in consultation with the industry through an exercise carried out by the Department of Communications (DOC) in preparation for RRC-06.

The planning principles supported by South Africa are those that provide balance between the protection of existing services and the introduction of a spectrum efficient digital broadcasting. The introduction and migration strategy for digital broadcasting hinges on the availability of spectrum.

The Authority decided to prioritize the allocation of frequencies for digital broadcasting, taking into account both legislative obligations and practical limitations. This includes availability of spare usable frequencies to be used for digital broadcasting. It might not always be possible to have analogue coverage and digital coverage at the same time in some areas.

The Authority is also proposing that due to the nature of digital broadcasting, there might be a need to establish more gapfiller sites to ensure that the analogue network is emulated, and would therefore propose that in the interest

of ensuring that the network reception is sufficient, there would be an authorization process to assist in making sure that network rollout happens quickly, and timely.

The Authority also encourages the early migration of services that could, especially if such a migration would result in the freeing of spectrum. This is to ensure that spectrum is freed early to the benefit of the efficient use of spectrum and for the post dual illumination re-planning exercise. On the basis of the technical analysis and limited spectrum resource the authority produced a plan for digital migration as articulated below.

3.3 Digital Terrestrial Television and Mobile TV

The Frequency Plan incorporates the two national Digital Terrestrial Television (DTT) frequency networks using the Digital Video Broadcasting – Terrestrial (DVB-T) standard that were submitted to the ITU for incorporation in the GE-06 plan. In addition to the above two metropolitan DTT frequency networks using the Digital Video Broadcasting – Handheld (DVB-H) standard were submitted to the ITU for incorporation in the GE-06 plan.

The Introduction of mobile television services using DVB-H were further endorsed in the policy directions issued by the Minister of Communications in terms of section 3(1) and (2) of the ECA in Government Notice 876, Government Gazette Vol. 507, No. 30308, on 17 September 2007..

After considering both the GE 06 Plan and the Ministerial Policy directives, the Authority proposes that mobile television services be licensed on technology neutral basis. While DVB-H is preferred, as reflected in the ministerial policy directives, other technologies and standards should be encouraged. The Two multiplexes (MDTT1 and MDTT2) for mobile television services have been indicated in the table of assignments as a way forward to secure a smooth analogue-digital migration.

In line with the above-mentioned considerations, two UHF channels were planned for mobile DTT use in Gauteng and surrounding areas, Durban and surrounding areas, Cape Town and surrounding areas. These channels will be below 700 MHz to allow for mobile television applications. Additional channels have been added to extend the mobile DTT coverage to other metropolitan areas. Further channels for digital mobile broadcasting services will be available after analogue switch-off. In planning for digital services, coverage equivalent to that currently provided by analogue services must be ensured. This could necessitate additional low power gap fillers.

The Authority is also mindful that for the mobile DTT networks to operate and sufficiently cover the whole metropolitan areas, there would be a need to migrate some services in the identified channels. The Authority is however cognizant that the services that would have to move are in the low power sites and therefore would not significantly hamper the launch of a commercial MDTT network, while services are moved from the occupied channels.

It is the Authority's view that the licensing of mobile television networks could go ahead while at the same time, time frames are established on the migration of the services from the identified channels of mobile television networks in the metropoles. This would ensure that mobile television frequency network licensing does not have to be hampered by the migration of the services from the identified channels.

For the mobile DTT networks, to operate and sufficiently cover the whole metropolitan areas and surrounding areas, there will be a need to migrate some services from identified channels. The services that will have to move are predominantly in the low power sites and therefore will not significantly hamper the launch of a commercial mobile network. Channels 33 and 35 will be used for mobile television services in Gauteng and surrounding areas. Channels 25 and 33 will be used for mobile television services in Durban and surrounding areas. In Cape Town and surrounding areas channels 28 and 32 will be used

for mobile television services. It is therefore the Authority's intention to license these frequencies as per GE-06, while at the same time migrating services from the identified frequencies, in order to facilitate the launching of mobile DTT.

3.4 Other Pertinent Issues

Self- Help Stations

The Authority does not reserve frequencies for self-help stations due to the very low power used and the uncertainty of the requirement. Assignments are made as and when required. Therefore, the assignments listed in Annexure B and E are all operational. Self-Help frequencies should be proposed by the applicant.

Provincial (Regional) Broadcasting

It is the Authority's view that the two national DTT frequency networks that are used in GE-06 plan fully accommodate the regional public services of the SABC.

Digital Dividend

The migration process will release much of the spectrum currently occupied by analog services. After dual illumination more spectrum will be available for additional digital broadcasting, Digital audio services and telecommunications. Broadcasters and other interested stakeholders will be engaged further in a separate process to ensure a fair criterion is used in the distribution of spectrum after dual illumination.

Digital Audio Broadcasting

Digital dividends in terms of digital audio broadcasting are not attractive. On the other hand the cost, including social cost, of converting existing AM and FM might be high. DAB will be introduced in Band III after digital migration for

television. Authority recommends that DAB be introduced when the market is ready. Ideally, digital audio broadcasting should augment and not replace AM and FM.

Therefore, there is no switch-off date for AM and FM. Rather there should be a commitment to grant fair access to spectrum where the right conditions prevail. The Authority has recommended to the ITU that Channel 9 and 10 (214-230MHz) be identified for DAB.

Digital Television broadcasting

The anticipated spectrum to be released by analog services from current SABC, eTV and Mnet services which will translate to bandwidth for new services or enhancement of existing services. Frequency 470 MHz to 790 MHz Band will be redistributed for future broadcasting services(additional regional multiplexes, HDTV requirements and for other ICT services).

IMT (International Mobile Telecommunications)

The band 790 MHz to 862 MHz has been identified for IMT implementation. After dual illumination this spectrum will be freed for IMT. The Authority will undertake a separate process to determine the criteria to be used to access the spectrum.

Square Kilometre Array (SKA)

All existing and future assignments/allotments in the broadcasting frequency bands depicted in Table 1 for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007). In the plan all high power theoretical sites have been excluded to ensure compliance to the AGA Act requirements.

The Authority endeavours to initiate a separate process for further engagement of affected broadcasting licensees to device alternative broadcasting transmission facilities/means for the SKA demarcated area; all affected frequencies are depicted in annexure J. Annexure H has a list of frequencies changes to be effected during the implementation of the DTT frequency plan.

4 BROADCASTING FREQUENCY ASSIGNMENTS AND TECHNICAL PARAMETERS

4.1 Frequency Assignment Table Structure

The frequency assignments listed fall into one of three levels of assignment status:

- OP or OPE - Frequencies assigned and in use
- SP or SPA - Spare frequency assignments in the vicinity of an existing transmitting station site or frequency assignments available for use in the vicinity of a theoretically determined lattice node point
- LI or LIC - Frequencies licensed and awaiting finalisation of technical parameters or the installation of transmitting equipment

The information provided in annexure A to H is structured to give the transmitting station name, its geographic co-ordinates, the frequency and the channel, the maximum effective radiated power and the polarisation mode. In cases where the frequency is already in use, the name of the licensed broadcasting service is also given, together with the date it came on air. In each case, it is indicated into which of the three above-mentioned assignment-status levels the frequency assignment falls.

4.2 Standards and Requirements of the ITU

As a requirement in terms of section 30 (2)(a) of the ECA the Authority must, in controlling, planning, administering, managing and licensing the use of the radio frequency spectrum, comply with the applicable standards and requirements of the ITU and its Radio Regulations.

The broadcasting frequency bands are pre-planned and internationally co-ordinated through the ITU to avoid mutually harmful interference between neighbouring countries. These bands are the Medium Wave (MW or MF), and VHF/FM bands for sound broadcasting and the VHF and UHF bands for television broadcasting. To allow for technological advances and to accommodate changing priorities of

countries, the international plans are reviewed every 20 to 30 years. Provision is also made for modifications to the plans. Procedures are laid down by which frequency assignments can be modified or added to the existing plans. Affected countries have to be consulted and the ITU has to be notified of all such modifications or additions.

South Africa, as a signatory to the ITU Convention, and more particularly having acceded to the Regional Agreements concerning VHF-FM Sound broadcasting and VHF/UHF television broadcasting, is obliged to adhere to the planning principles agreed to in the planning conferences organised by the ITU to plan the broadcasting frequency bands.

The existing frequency plans for FM and TV have been developed on the basis of providing essentially a full range of public broadcasting services to the majority of the population. The South African frequency plans currently in use are based on internationally accepted practices similar to those adopted in Europe, Australia and Asia. The current levels of spectrum usage in South Africa are also consistent with international practice.

Frequencies are normally assigned to transmitting stations according to a uniform lattice in case of the VHF/FM and UHF television frequency bands. Frequencies are reused at a distance where there will be no harmful interference between transmitting stations operating on the same frequency or on adjacent frequencies. Techniques are used to increase frequency usage density, such as orthogonal polarisation and frequency off-set.

4.3 Interference as a Limiting Factor to Frequency Assignment

Issues that are important in frequency planning include definition of the area to be served by each broadcasting station, whether these areas may be or need to be served through the use of multiple frequencies or whether it is to be served by a single transmitter, and decisions about how much interference between services is tolerable, and the grade of service to be provided to the listeners or viewers within

the area to be served. In the final instance, a frequency plan can consist of a number of combinations and permutations of frequencies and power levels for the same area, all of which may be technically acceptable. Also, it would be possible to have a smaller number of high power transmitters, or a larger number of low power transmitters, or any combination between these extremes, in any particular geographic area, dependent on the particular needs, and considering the topography in the area.

While it would be possible to avoid interference between broadcasters or transmitters by never using a frequency more than once nor using frequencies close to each other, this is unrealistic because very few services could be established in this scenario. Frequency re-use is therefore a standard feature of all frequency plans and is the essence of the efficient use of the frequency spectrum.

The plan attempts to manage the problem of interference and accommodate the maximum number of frequency assignments within a given area for a given amount of spectrum. The plan also takes account of the practical limits of coverage of stations imposed by factors such as the physics of radio wave propagation, limits of radiated power from the stations, and performance characteristics (selectivity and sensitivity) of typical receivers.

The engineering considerations of interference prediction and coverage assessment usually follow recommendations of the ITU. These recommendations draw on the pooled knowledge of experts world-wide, which is expressed in terms of guidelines, standards and parameters that have been established as providing proven practical and realistic results. The Authority therefore has to establish a policy of defining licence areas to be served, and to plan accordingly. Interference or signal strength complaints about reception from listeners or viewers outside of the licence area of the station are normally not considered.

This is generally known as interference limited approach in assigning frequencies and determining the coverage area of a particular broadcasting station, as opposed to a noise limited approach (where the signal level is allowed to drop to below the

ambient noise level). The latter is considered to be inefficient in the use of the frequency spectrum.

Due to current spectrum utilisation in some areas, particularly in the VHF/FM band, it has in certain cases been possible to receive broadcast transmissions in areas beyond the intended target area of transmitting stations, as broadcasts have been mostly noise limited.

As more frequency assignments are made and new broadcasters come on the air, services will no longer be noise limited but will become interference limited. This means that although the prime target area of the transmitting station will continue to receive satisfactory coverage, people in areas outside the target area who in the past were able to receive transmissions, will no longer be able to do so due to increased spectrum usage and the consequent increase in interference levels. This issue becomes more relevant in the context of digital broadcasting; the signal degradation where one is able to view a picture that is not clear is no longer applicable. The viewer outside the recommended signal level would not be able to receive.

Some broadcasting signal distributors are making use of re-broadcasting techniques (RBR) to provide programme feeds to transmitting stations. In this process a signal is received from an adjacent transmitting station and re-transmitted to the intended target area. The Authority did not use any criteria to protect such links from any interference in the compilation of this plan. When necessary, more use will have to be made of either telecommunications links or satellite facilities to provide programme feeds to transmitting stations where interference on RBR has become a problem.

In drawing up the Frequency Plan, priority was given to maximising the number of broadcasting frequencies available for assignment to broadcast services. Consequently, no protection against harmful interference can be given to radio frequency output signals on home equipment such as video cassette recorders (VCR's), satellite receivers, integrated receiver decoders (IRD's) etc. operating in the broadcasting services frequency bands.

In countries with a tradition of public broadcasting, systematic planning methods have been applied on the basis that public services should be widely accessible to all of the population. This planned approach is the one adopted by the ITU generally and in particular for planning of broadcasting services in Africa.

This is the approach that has been used for broadcasting frequency planning in South Africa, and which the Authority intends to continue applying (in compliance with ITU methods).

The Frequency Plan is to be treated as a living document and as a vehicle to assist the Authority to facilitate the development of a broadcasting system which is responsive to the changing technical and social environment, and which will enable the Authority to achieve the primary objects of section 2 of the ECA. The Authority will at all times keep the latest frequency plan on its website (www.icasa.org.za) for easy access by the public.

4.4 Factors Restricting the Frequency Plan

A number of factors place restrictions on the Frequency Plan, being:

- frequencies occupied by existing broadcasters;
- the need to co-ordinate broadcasting frequencies with South Africa's neighbours; and
- demographic and topographic conditions.

International agreements and ITU Radio Regulations require that all medium and high power frequency assignments are co-ordinated with neighbouring territories so as not to cause trans-border interference. This requires that any addition of a new frequency or relocation of a frequency of a medium or high power broadcasting station situated within approximately 400 km from the border of any of South Africa's neighbours (Namibia, Botswana, Zimbabwe, Swaziland, Mozambique or Lesotho) would require extensive bilateral negotiations.

4.5 Coverage Area and Service Contour Levels

ITU provides the following definitions:

Coverage Area[3]:

> The coverage area is defined by the ITU as "the area within which the wanted field strength is equal to or exceeds the usable field strength defined for specified reception conditions and for an envisaged percentage of covered receiving locations".

ECA provides the following definition:

Licence Area[4]:

> The licence area is defined in the ECA as "the geographical area specified in a licence".
>
> If a licence area is not specified in a broadcasting service licence, then the technical parameters specified in the licence conditions will be used in order to determine the licence area..

The determination of a coverage area is governed by the following definitions of ITU:

- "The area within which the wanted field strength is equal to or exceeds the usable field strength defined for specified reception conditions and for an envisaged percentage of covered receiving locations."
- "Usable field strength is the minimum value of the field strength necessary to permit a desired reception quality, under specified receiving conditions, in the presence of natural or man-made noise and of interference, either in an existing or as determined by agreements or frequency plans."

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[3] See Final Acts GE 06

[4] See EC Act 36 of 2005 (Definitions)

- "Minimum usable field strength is the minimum value of the field strength necessary to permit a desired reception quality, under specified receiving conditions, in the presence of natural and man-made noise, but in the absence of interference from other transmitters."

4.6 Broadcasting Frequency Bands and Technical Parameters

The following broadcasting frequency bands are included in the South African broadcasting frequency plan. All existing and future assignments/allotments in the frequency bands depicted in Table 1 for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007).

Table 1: Broadcasting Frequency Bands

Broadcasting bands	Range	ITU plan
AM-MF (MW) audio broadcasting	535.5 – 1606.5 kHz	Geneva plan of 1975 for Africa, Europe and Asia
VHF/FM audio broadcasting	87.5 – 108 MHz	Geneva plan of 1984 for Africa and Europe
VHF television broadcasting	174 – 238 MHz 246 – 254 MHz	Geneva plan of 2006 in parts of Region 1 and 3
UHF television broadcasting	470 – 854 MHz	Geneva plan of 2006 in parts of Region 1 and 3

The HF broadcasting bands are coordinated by the ITU. The procedures are laid down in Article 12 of the Radio Regulations (RR12-1) and subsequent planning documents released by the Radio Communication Bureau. The procedure is based on the principle of equal rights of all countries to equitable access to these bands.

As transmissions in the tropical Bands are intended for national coverage, the transmitter output power is restricted to 50 kW. Table 2 indicates the various allocations to the HF frequency spectrum sound broadcasting services available to South Africa.

Table 2: HF broadcasting frequency bands

HF (kHz)	
3900 – 4000	13600 – 13800
5950 – 6200	15100 – 15600
7100 – 7300	17550 – 17900
9500 – 9900	21250 – 21850
11650 – 12050	25670 – 26100
HF Tropical Band (kHz)	
2300 – 2498	3200 – 3400
4750 – 4995	5005 – 5060
HF single side band (kHz)	
5900 – 7300	13570 –13600
7300 – 7350	13800 – 13870
9400 – 9500	15600 – 15800
11600 – 11650	17480 – 17550
12050 – 12100	18900 – 19020

MF-AM Broadcasting Band

The MF AM broadcasting band lies between 530 and 1606,5 kHz, and is divided into 120 channels of 9 kHz bandwidth each. In South Africa, the first channel on 531 kHz is not used for MF broadcasting as the frequency band 526.5 – 535.5 kHz is

allocated to mobile telecommunications service. Three of the MF channels have been designated as low power channels where the power may not exceed 1 kW. Currently medium to high power MF-AM transmitting sites are located at Meyerton, Springs, Komga, Ga-Rankuwa and Klipheuwel. The local authority and environmental considerations often limit the establishment of high power MF stations due to the large infrastructure associated with such stations and its interference impact on electronic systems.

South Africa has 37 channels registered with the ITU; of these 11 are in use with powers between 10 kW and 100 kW. At the ITU Geneva '75 Conference for MF-AM planning, it was resolved in the Final Acts that the provisions and resolutions adopted for the benefit of member and non-member states shall not be applied to the Government of the Republic of South Africa. The Authority has already undertaken a process of including all the assignments in the Master Register of the ITU. The South African MF-AM plan includes low power frequencies assigned to Community Radio services. Low power for MW applies to 1 kW or lower powers.

VHF-FM Sound Broadcasting Band

In the VHF FM sound-broadcasting band between 87.5 MHz and 108 MHz there are 204 channels, each of 100 kHz bandwidth. These are grouped into 31 groups of 6 channels, plus additional 18 channels. The groups are distributed in a uniform lattice where each node point relates to a transmitting area. This means that at any one transmitting site in an area the ITU plan provides for 6 channels or frequencies to be available for assignment. In areas of greatest demand, 12 channels were assigned to one area by combining 2 lattice node points. In order to provide national FM coverage it was necessary to locate high power transmitting stations approximately 110 km apart.

Although such a transmitting station may only have coverage radius of 30 - 50 km, interference from such a station can occur over hundreds of kilometres. In order to avoid mutual interference between stations operating on the same frequency, it is necessary for the signal from the wanted station to be between 37 dB and 45 dB

higher (i.e. 5 000 and 30 000 times stronger) than the interfering signal. Hence a high power FM frequency assignment can only be reused at a distance of close to 500 km. On the other hand, low power (e.g. 1 watt) FM transmitters using the same frequency can be situated some 10 km apart (depending on the terrain and broadcasting antenna characteristics and site height) due to its limited area of coverage and interference impact.

Due to constraints in receiver design, an average domestic FM radio receiver cannot discriminate between frequencies less than three channels apart. This places a further limitation on the number of VHF/FM frequencies available for assignment in an area.

VHF TV Broadcasting Band

The VHF television broadcasting band is between 174 MHz and 238 MHz and between 246 and 254 MHz. It contains only 9 channels of 8 MHz bandwidth each. A uniform lattice with multiple channels (3) at each node cannot be formed and used to assign frequencies on a national basis. These channels have been assigned in groups of 3 only to metropolitan areas and, where possible, also to rural areas, using a method of "foremost priority".

In the past, there has been a prohibition of adding a NICAM (Near Instantaneously Compounded Audio Multiplex) carrier for digital stereo sound to TV channel 13 (246 – 254 MHz) due to its interference to the public trunked mobile radio communication services located at 254 MHz and higher. The problem is made more noticeable by the fact that channel 13 is used with a slightly offset vision carrier of 247.43 MHz rather than the standard 247.25 MHz. This was originally done to avoid interference from the residual vestigial colour sub-carrier to the international distress frequency on 243 MHz.

Modern television transmitters no longer produce any significant residual vestigial colour sub-carrier. A technical solution has been found to the interference problem to mobile trunking services. The solution is to move the vision frequency by 300

kHz down to 247.13 MHz and to apply the narrower PAL-B/G "roll-off" filtering instead of the wider PAL-I version. This solution has been tested and all concerned parties have accepted the results. The Authority's Council has approved the introduction of NICAM in channel 13 as described above.

UHF TV Broadcasting Band

The UHF television broadcasting band between 470 MHz and 854 MHz contains 48 channels, each of 8 MHz bandwidth, arranged into 12 groups of 4 channels. This means that 4 channels are available for assignment at any one transmitting site on a national basis. In areas of greatest demand 7 to 11 channels have been assigned by combining lattice node points or where both VHF and UHF channels have been assigned to a particular area.

4.7 Channel Numbering

Table 3: Channel numbering in VHF FM band (band II)

A		B		C		D		E		F	
1	87.6	32	90.7	64	93.9	97	97.2	132	100.7	168	104.3
2	87.7	33	90.8	65	94.0	98	97.3	133	100.8	169	104.4
3	87.8	34	90.9	66	94.1	99	97.4	134	100.9	170	104.5
4	87.9	35	91.0	67	94.2	100	97.5	135	101.0	171	104.6
5	88.0	36	91.1	68	94.3	101	97.6	136	101.1	172	104.7
6	88.1	37	91.2	69	94.4	102	97.7	137	101.2	173	104.8
7	88.2	38	91.3	70	94.5	103	97.8	138	101.3	174	104.9
8	88.3	39	91.4	71	94.6	104	97.9	139	101.4	175	105.0
9	88.4	40	91.5	72	94.7	105	98.0	140	101.5	176	105.1
10	88.5	41	91.6	73	94.8	106	98.1	141	101.6	177	105.2
11	88.6	42	91.7	74	94.9	107	98.2	142	101.7	178	105.3
12	88.7	43	91.8	75	95.0	108	98.3	143	101.8	179	105.4
13	88.8	44	91.9	76	95.1	109	98.4	144	101.9	180	105.5
14	88.9	45	92.0	77	95.2	110	98.5	145	102.0	181	105.6
15	89.0	46	92.1	78	95.3	111	98.6	146	102.1	182	105.7
16	89.1	47	92.2	79	95.4	112	98.7	147	102.2	183	105.8
17	89.2	48	92.3	80	95.5	113	98.8	148	102.3	184	105.9
18	89.3	49	92.4	81	95.6	114	98.9	149	102.4	185	106.0
19	89.4	50	92.5	82	95.7	115	99.0	150	102.5	186	106.1
20	89.5	51	92.6	83	95.8	116	99.1	151	102.6	187	106.2
21	89.6	52	92.7	84	95.9	117	99.2	152	102.7	188	106.3
22	89.7	53	92.8	85	96.0	118	99.3	153	102.8	189	106.4
23	89.8	54	92.9	86	96.1	119	99.4	154	102.9	190	106.5
24	89.9	55	93.0	87	96.2	120	99.5	155	103.0	191	106.6
25	90.0	56	93.1	88	96.3	121	99.6	156	103.1	192	106.7
26	90.1	57	93.2	89	96.4	122	99.7	157	103.2	193	106.8
27	90.2	58	93.3	90	96.5	123	99.8	158	103.3	194	106.9
28	90.3	59	93.4	91	96.6	124	99.9	159	103.4	195	107.0
29	90.4	60	93.5	92	96.7	125	100.0	160	103.5	196	107.1
30	90.5	61	93.6	93	96.8	126	100.1	161	103.6	197	107.2
31	90.6	62	93.7	94	96.9	127	100.2	162	103.7	198	107.3
Additional channels:											
63	93.8	95	97.0	96	97.1	128	100.3	129	100.4	130	100.5
130	100.6	163	103.8	164	103.9	165	104.0	166	104.1	164	104.2
199	107.4	200	107.5	201	107.6	202	107.7	203	107.8	204	107.9

Table 4: Channel numbering in band III (174 – 238MHz and 246 – 254MHz)

Channel No.	Channel Limits (MHz)	Vision Carrier Frequency (MHz)
4	174 – 182	175.25
5	182 – 190	183.25
6	190 – 198	191.25
7	198 – 206	199.25
8	206 – 214	207.25
9	214 – 222	215.25
10	222 – 230	223.25
11	230 – 238	231.25
13	246 – 254	247.13[5]

[5] Refer to Section 3.4.3 for explanation to the non-standard vision carrier frequency of channel 13.

Table 5 Channel Numbering in Band IV/V (470 – 854MHz)

Channel No.	Channel Limits (MHz)	Vision Carrier Frequency (MHz)
21	470 – 478	471.25
22	478 - 486	479.25
23	486 – 494	487.25
24	494 – 502	495.25
25	502 – 510	503.25
26	510 – 518	511.12
27	518 – 526	519.25
28	526 – 534	527.25
29	534 – 542	535.25
30	542 – 550	543.25
31	550 – 558	551.25
32	558 – 566	559.25
33	566 – 574	567.25
34	574 – 582	575.25
35	582 – 590	583.25
36	590 – 598	591.25
37	598 – 606	599.25
38	606 – 614	607.25
39	616 – 622	615.25
40	622 – 630	623.25
41	630 – 638	631.25
42	638 – 646	639.25
43	646 – 654	647.25

44	654 – 662	655.25
45	662 – 670	663.25
46	670 – 678	671.25
47	678 – 686	679.25
48	686 – 694	687.25
49	694 – 702	695.25
50	702 – 710	703.25
51	710 – 718	711.25
52	718 – 726	719.25
53	726 – 734	727.25
54	734 – 742	735.25
55	742 – 750	743.25
56	750 – 758	751.25
57	758 – 766	759.25
58	766 – 774	767.25
59	774 – 782	775.25
60	782 – 790	783.25
61	790 – 798	791.25
62	798 – 806	799.25
63	806 – 814	807.25
64	814 – 822	815.25
65	822 – 830	823.25
66	830 – 838	831.25
67	838 – 846	839.25
68	846 – 854	847.25

4.8 Frequency Tolerances

For both VHF and UHF TV bands, the tolerance shall be 500 Hz Table 6 show frequency tolerances for audio broadcasting.

Table 6: Frequency Tolerances for Sound Broadcasting

Frequency Band	Tolerance
535.5 kHz to 1606.5 kHz	±10 Hz
1606.5 kHz to 29.7 MHz	±10 Hz
87.5 MHz to 108 MHz	±2000 Hz

4.9 Minimum Usable Field Strength

The minimum usable field strength values to be used to calculate coverage, using the associated technical parameters, are referred to as the service contour values and are specified in Table 7.

Table 7: Service Contour Values used a Basis in Determination of Coverage Area

MF	74 dBμV/m
FM Monophonic	60 dBμV/m
FM Stereophonic	66 dBμV/m
TV VHF(Band III)	55 dBμV/m
TV UHF(Band IV)	65 dBμV/m
TV UHF(Band V)	70 dBμV/m

The coverage can be calculated for each frequency, using the associated technical parameters, determining the effect of interfering transmitters and using the service contour values as defined in section 5.6.

The coverage calculation is based on a data terrain model and a specific prediction model. The prediction model must be applicable to the frequency band of operation. All interference from other transmitting stations must be taken into consideration whenever this calculation is performed. This calculation produces the usable (interference limited) service area.

The usable coverage area, as described in this section, must be used as the basis for all demographic calculations such as percentage population coverage figures.

4.10 Spurious Emission Power Levels

This is an emission on a frequency or frequencies outside the necessary bandwidth and which may be reduced without affecting the corresponding transmission of information. Spurious emission includes harmonic emission, parasitic emissions, intermodulation products and frequency conversion products but exclude out of band emissions. The maximum permitted levels of spurious emissions, in terms of the mean power level of any spurious component supplied by a transmitter to the antenna transmission line shall be as set out in table below:

Table 8: Spurious Emission Limits for Sound Broadcasting

Frequency Band	Spurious Emission Level
535.5 kHz to 1606.5 kHz	40 dB/50 mW
87.5 MHz to 108 MHz Transmitter output power > 25 W Transmitter output power < 25 W	 60 dB/1 mW 40 dB/25 µW

Table 9: Spurious Emission Power Levels for Television Broadcasting

Frequency band	Spurious Emission Level
174 – 254 MHz and 470 – 854 MHz	
• Tx o/p > 25 W	• 60 dB/1 mW
• Tx o/p < 25 W	• 40 dB/25 μW

4.11 Statistical information

The frequency plan in this document contains all the foregoing and the amendments and additional assignments referred to elsewhere in this document.

Table 10: Statistical information of analogue audio broadcasting frequency assignments

SERVICE CATEGORY	MW	FM	SELF-HELP	TOTAL
Commercial	17	224	1	242
Community	20	340	0	360
Public	15	760	42	817
TOTAL	**52**	**1324**	**43**	**1419**

Table 11: Statistical information of analogue television broadcasting frequency assignments

SERVICE CATEGORY	VHF/UHF	SELF-HELP	Total
Commercial	230	268	498
Community	10	1	11
Public National	485	770	1255
DTT	460	0	460
Mobile DTT	73	0	73
TOTAL	1258	1039	2297

4.12 Assignments for Sound Broadcasting Services

This subsection covers the frequency assignments for the sound-broadcasting services as defined by the ITU, for the categories used in the RSA, viz. VHF/FM and MF/AM. The description of the categories, their frequency assignment tables and relevant definitions are given in the subsections to follow.

Sound VHF FM audio broadcasting

Frequency assignments for audio VHF FM broadcasting are given in Annexure A. It is based on the ITU Geneva Plan of 1984 (GE84).

Sound MF/AM audio broadcasting

Frequency assignments for audio MF/AM broadcasting are given in Annexure C. It is based on the ITU Geneva Plan of 1975 (GE75). Frequencies in South Africa are also assigned to theoretical stations, which are available for future use.

4.13 Television Broadcasting Services

Frequency assignments for VHF and UHF television broadcasting are given in Annexure D. It is based on the ITU Geneva Plan of 2006 (GE06).The plan incorporates two national Digital Terrestrial Television (DTT) frequency networks using DVB-T standard. It also incorporates two metropolitan DTT frequency networks planned for the use of DVB-H standard. Both standards were considered in the GE-06 plan. Annexure F shows national DTT networks. Annexure G shows metropolitan networks for both DVB-T and DVB-H.

Frequencies assigned to TV low power stations are invariably in the UHF band. Orthogonal polarisation, relative to that of high power stations, is used in order to increase frequency usage as a result of reduced interference levels with orthogonal polarisation. Orthogonal polarisation and frequency offset is also used between high power transmissions to decrease interference experienced and increase frequency use, in an analogue broadcasting environment.

4.14 Terrestrial Self- Help Stations Assignments

Self-help broadcasting relay transmitting stations are transmitting stations established, owned and operated by entities such as municipalities, farmers associations, business organisations and individuals. The purpose of a self-help station is to relay a programme service to an area where the programme service cannot easily be received through the regular transmissions, i.e. where the coverage is insufficient. Self-help broadcasting relay transmitting stations are extensions of the broadcaster's network and have been operating under the broadcaster's licence. The broadcasters involved are the SABC, e-tv and M-Net.

Self-help relay transmitting stations are used for both sound and television broadcasting. It is envisaged that the need for self-help stations will continue, with the purpose probably shifting from providing coverage to facilitating lower-cost communal reception. Frequency assignments for VHF FM self help stations are

given in Annexure B. Frequency assignments for VHF and UHF television broadcasting are given in Annexure E.

4.15 Technical Standards and Transmission Characteristics Applicable to DTT

The technical standards and transmission characteristics for digital broadcasting will be in accordance with the GE-06 plan, which south Arica is a signatory. The implementation of digital broadcasting and Transmission characteristics will be in accordance with the GE-06 plan (See annexure I).

4.16 Generic definition of terms used in the table of assignments

Station name

The station name is the internationally co-ordinated name of the transmitting station or area location. The name was decided upon using the following guidelines:

- In cases where the site is located in or near a city, major town or suburb, the respective name is used.
- In cases where it is not located near a city or town the name of a relevant hill, mountain or other well-known geographical feature is used.
- In some cases, a station name has been used but the station does not yet exist, neither is there any development at the site. The station name in those cases is a provisional name that is associated with a theoretical lattice node point.

Latitude and Longitude

This is the nominal co-ordinates of the station in degrees, minutes and seconds, south and east. In those cases where a site has not yet been developed i.e. where the frequency is assigned to a theoretical lattice point, the co-ordinates are those of the theoretical point.

Channel No. (Chan.)

Channel numbering is applicable to only Television frequency assignments. This is the number of the frequency channel, according to the ITU designation.

Frequency (Freq.)

For VHF/FM assignments, this is specified in megahertz (MHz). In the case of MF/AM, it is specified in kilohertz (kHz).

Vision frequency (Freq.)

Vision frequency is applicable to Television assignments in analogue format in the tables. It is the frequency of the vision carrier in megahertz (MHz): The sound-carrier frequency is not given. It is 6 MHz above the vision carrier in all cases in analogue broadcasting.

Offset

Offset is also applicable to only Television frequency assignments in analogue. It is the frequency offset from the nominal frequency given in the assignment plan to reduce co-channel interference. The offset may be positive (P), i.e. the frequency is greater than the nominal frequency or negative (N), and i.e. the frequency is less than the nominal frequency. The letters P or N are preceded by the offset in twelfths of the line frequency (e.g. 20P means that the frequency is 20/12 x 15.625 kHz above the nominal frequency).

In the majority of cases of self-help relay stations, because of the low ERP employed and the type of equipment used, there is a lesser strict frequency tolerance than in the main and the gapfiller stations. This precludes the use of offset in these assignments.

ERP

This is applicable to VHF/FM and Television frequency assignments. ERP is the maximum effective radiated power. In the case of an omni-directional antenna it is

the maximum effective radiated power in any direction. In the case of a directional antenna it is the effective radiated power in the direction of maximum gain. The ERP is specified in kilowatts (kW) and is sometimes rounded off to the nearest integer.

EMRP

This is the effective monopole radiated power applicable to MF/AM assignments. This is the power supplied to the antenna, multiplied by the antenna gain referred to that of a short vertical antenna in the horizontal plane.

Polarisation (Pol.)

This column indicates the dominant polarisation mode of the transmitting antenna, while transmission in the other mode is minimal, unless slant or circular polarisation is specified. The dominant polarisation is normally either horizontal (H) or vertical (V).

Programme Service (programme)

This is the name of the programme service carried by the transmission.

On-air Date

This is the date on which the transmitter went on the air. Where the date is omitted, the frequency is either available for future use at the station site or available for re-assignment to a site in the vicinity of the theoretical lattice point in the GE84 (See definition of "Status") or the broadcaster has not supplied the Authority with this information.

Status

The Status column indicates which frequency assignments are:

- Operational - In which case the status is indicated as OPE or OP;

- Spare - in which case the Status is indicated as SPA or SP. A frequency with SPA or SP status is either assigned to an already developed site, or a theoretical lattice node point;

- Licensed - in which case, the Status is indicated as LIC or LI. This frequency status means that it has been assigned to a broadcasting licensee by the Authority but that the technical parameters have not yet been finalised or the broadcasting service is not yet on air at this site. LIC or LI is an intermediate stage between SPA/SP and OPE/OP;

- Under Technical Investigation - In which case the Status is indicated as ICASA.

Stations with a status of OP, SP or LI are stations in the national database which have not yet been or are in the process of being internationally co-ordinated

Category (Cat)

In the respective columns of Category, the categorisation of the frequency assignment is given as follows:

- **PBS** - Public Broadcasting Service as per the definition in chapter one of the EC Act 36 of 2006.

- **CML** - Commercial Broadcasting as per the definition in chapter one of the EC Act 36 of 2005 and

- **CTY** - Community Broadcasting Service as per the definition in chapter 1 of the EC Act 36 of 2005.

A blank category field indicates that the frequency has not yet been assigned to any service.

Allotment

"*Allotment* (of a radio frequency or frequency channel). Entry of a designated frequency channel in an agreed plan, adopted by a competent conference, for use by one or more administrations for a terrestrial or space *radiocommunication service* in one or more identified countries or geographical areas and under specified conditions"[6]

Assignment

"*Assignment* (of a radio frequency or radio frequency channel). Authorization given by an administration for a radio *station* to use a radio frequency channel under specified conditions"[7].

[6] Radio Regulations, International Communications Union, RR1.17

[7] Radio Regulations, International Communications Union, RR1.18

References

ITU [1975] (GE75)

Final Acts of the Regional Administration LF/MF Broadcasting Conference (Regions 1 and 3), Geneva 1975 (ITU, Geneva, 1975)

ITU [1984] (GE84)

Final Acts of the Regional Administrative Radio Conference for the planning of VHF sound broadcasting. (Region 1 and part of Region 3), Geneva 1984 (ITU, Geneva, 1984)

ITU [2006](GE06)

Final Acts of the Regional Radio communications Conference for planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 470-862 MHz (RRC-06)

ITU [2004]

Radio Regulations, edition of 2004 (ITU, Geneva, 2004)

EC ACT

Electronic communications Act, No. 36 of 2005

TRIPLE INQUIRY REPORT

Independent Broadcasting Authority Triple Inquiry Report 1995

SATFA

South African Table of Frequency Allocations (20MHz – 70GHz)

ANNEXURES

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Annexure C: MW Frequency Assignments

Annexure D: Television Frequency Assignments

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Annexure H: Frequency Changes

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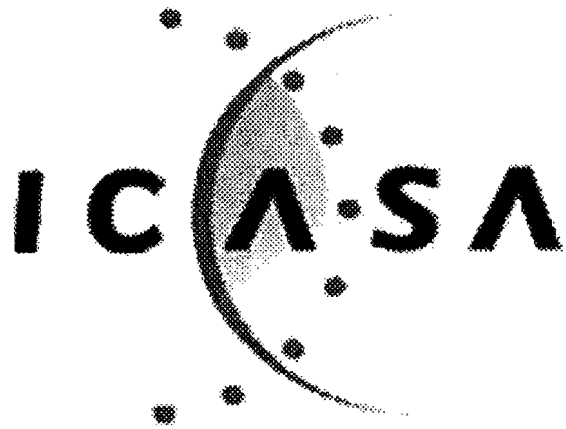

ANNEXURE A

VHF/FM FREQUENCY ASSIGNMENTS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1	ALEXANDER BAY	016E29 49	28S36 32	102.2	0.05	V	RSG	01-Feb-78	OPE	PBS
2	AGTER-WITZENBERG	019E17 14	33S14 00	88.8	0.02	V	RSG		LIC	PBS
3	ALEXANDER BAY	016E29 49	28S36 32	89.1	10	V			SPA	CTY
4	ALEXANDER BAY	016E29 49	28S36 32	95.4	0.05	V	K- FM	01-Feb-78	OPE	CML
5	ALEXANDER BAY	016E29 49	28S36 32	92.2	0.05	V	5-FM	01-Dec-89	OPE	PBS
6	ALEXANDER BAY	016E29 49	28S36 32	98.7	0.05	V	2000	01-Dec-89	OPE	PBS
7	ALEXANDER BAY	016E29 49	28S36 32	105.8	0.05	V	SAFM	01-Feb-78	OPE	PBS
8	ALEXANDRA	028E05 00	26S04 00	89.1	0.01	M	ALEX FM	29-Jul-95	OPE	CTY
9	ALICE	026E50 00	32S40 00	94.5	50	V			SPA	PBS
10	ALICE	026E50 00	32S40 00	88.2	50	V			SPA	CTY
11	ALICE	026E50 00	32S40 00	91.3	50	V			SPA	PBS
12	ALIWAL NORTH	026E34 00	30S47 05	107.2	0.5	V			SPA	CTY
13	ALIWAL NORTH	026E34 00	30S47 05	98.2	1	V	TAKALANI		OPE	CTY
14	ALIWAL NORTH	026E34 00	30S47 05	101.7	10	V	RSG	01-Dec-67	OPE	PBS
15	ALIWAL NORTH	026E34 00	30S47 05	94.9	10	V	ALGOA	01-Dec-67	OPE	CML
16	ALIWAL NORTH	026E34 00	30S47 05	88.6	10	V	LESEDI	01-Dec-67	OPE	PBS
17	ALIWAL NORTH	026E34 00	30S47 05	105.3	10	V	SAFM	01-Dec-67	OPE	PBS
18	ALIWAL NORTH	026E34 00	30S47 05	91.7	10	V	NENE	01-Dec-67	OPE	PBS
19	ANDRIESKRAAL	024E42 33	33S46 37	103.2	0.01	V	RSG	01-Mar-87	OP	PBS
20	ANDRIESKRAAL	024E42 33	33S46 37	99.7	0.01	V			SPA	CTY
21	ANDRIESKRAAL	024E42 33	33S46 37	96.4	0.01	V	ALGOA	01-Mar-87	OP	CML
22	ANDRIESKRAAL	024E42 33	33S46 37	90.1	0.01	V			SPA	PBS
23	ANDRIESKRAAL	024E42 33	33S46 37	106.8	0.01	V	SAFM	01-Mar-87	OP	PBS
24	ANDRIESKRAAL	024E42 33	33S46 37	93.2	0.01	V	NENE	01-Mar-87	OP	PBS
25	ATLANTIS	018E29 24	33S34 08	107.9	0.1	V	ATLA	01-Sep-95	OPE	CTY
26	BALFOUR	028E43 07	26S39 57	107.6	10	V	DAGBRK	30-Apr-96	OPE	CTY
27	BALFOUR	028E43 07	26S39 57	92.9	1	V			SPA	CTY
28	BARKLY EAST	027E26 00	30S51 30	94.1	0.5	V			SPA	PBS
29	BARKLY EAST	027E26 00	30S51 30	87.8	0.5	V			SPA	PBS
30	BARKLY EAST	027E26 00	30S51 30	97.4	0.5	V			SPA	PBS
31	BARKLY EAST	027E26 00	30S51 30	100.9	0.5	V	RSG	01-Apr-88	OPE	PBS
32	BARKLY EAST	027E26 00	30S51 30	104.5	0.5	V	SAFM	01-Apr-88	OPE	PBS
33	BARKLY EAST	027E26 00	30S51 30	90.9	0.5	V	NENE	01-Apr-88	OPE	PBS
34	BEAUFORT WEST	022E30 25	32S15 29	87.6	1	V	GAMKALAND		OPE	CTY
35	BEAUFORT WEST	022E30 25	32S15 29	97.2	50	V			SPA	PBS
36	BEAUFORT WEST	022E30 25	32S15 29	93.9	10	V	K- FM	01-Jul-67	OPE	CML
37	BEAUFORT WEST	022E30 25	32S15 29	100.7	10	V	RSG	01-Jul-67	OPE	PBS
38	BEAUFORT WEST	022E30 25	32S15 29	104.3	10	V	SAFM	01-Jul-67	OPE	PBS
39	BEAUFORT WEST	022E30 25	32S15 29	90.7	10	V	NENE	01-Dec-93	OPE	PBS
40	BEDFORD	026E02 57	32S37 57	97.3	5	V			SPA	CTY
41	BEDFORD	026E02 57	32S37 57	87.7	5	V			SPA	CTY
42	BEDFORD	026E02 57	32S37 57	94	5	V	ALGOA	01-Apr-66	OPE	CML
43	BEDFORD	026E02 57	32S37 57	100.8	5	V	RSG	01-Apr-66	OPE	PBS
44	BEDFORD	026E02 57	32S37 57	104.4	5	V	SAFM	01-Apr-66	OPE	PBS
45	BEDFORD	026E02 57	32S37 57	90.8	5	V	NENE	01-Apr-66	OPE	PBS
46	BENONI	028E16 51	26S10 08	93.9	0.1	V	EAST RAND		OP	CTY
47	BETHANIE	027E35 14	25S33 38	103	0.25	V			SPA	PBS
48	BETHANIE	027E35 14	25S33 38	99.5	0.05	V			SP	PBS
49	BETHANIE	027E35 14	25S33 38	105.6	0.05	V			SP	PBS
50	BETHLEHEM	028E29 58	28S14 10	97.1	1	V			SP	CTY
51	BETHLEHEM	028E29 58	28S14 10	107.8	1	V			SP	CTY
52	BETHLEHEM	028E29 58	28S14 10	87.6	1	V			SPA	CTY
53	BETHLEHEM	028E29 58	28S14 10	101.9	10	V	RSG	01-Dec-66	OPE	PBS
54	BETHLEHEM	028E29 58	28S14 10	88.8	10	V	LESEDI	01-Dec-66	OPE	PBS
55	BETHLEHEM	028E29 58	28S14 10	95.1	10	V	ORANJE	01-Aug-72	OPE	CML
56	BETHLEHEM	028E29 58	28S14 10	98.4	10	V	2000	01-Dec-66	OPE	PBS
57	BETHLEHEM	028E29 58	28S14 10	105.5	10	V	SAFM	01-Dec-66	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
58	BETHLEHEM	028E29 58	28S14 10	91.9	10	V	UKHOZI	01-Dec-66	OPE	PBS
59	BISHO	027E27 00	32S51 13	100.3	0.2	V	CISKEI	01-Dec-97	OP	PBS
60	BLOEMFONTEIN	026E13 50	29S06 13	105.8	0.2	V			SP	CTY
61	BLOEMFONTEIN	026E13 50	29S06 13	98.7	0.2	V			SP	CTY
62	BLOEMFONTEIN	026E13 50	29S06 13	105.2	36	V			SPA	CML
63	BLOEMFONTEIN	026E13 50	29S06 13	101.6	36	V			SPA	CML
64	BLOEMFONTEIN	026E13 50	29S06 13	88.5	10	V	MOTHEO		LIC	CTY
65	BLOEMFONTEIN	026E13 50	29S06 13	104.1	3	V			SPA	CTY
66	BLOEMFONTEIN	026E13 50	29S06 13	103	10	V	RSG	01-Jan-64	OPE	PBS
67	BLOEMFONTEIN	026E13 50	29S06 13	91.6	10	V	5-FM	01-Dec-88	OPE	PBS
68	BLOEMFONTEIN	026E13 50	29S06 13	89.9	10	V	LESEDI	01-Jan-64	OPE	PBS
69	BLOEMFONTEIN	026E13 50	29S06 13	98.1	12	V	METRO	01-Apr-93	OPE	PBS
70	BLOEMFONTEIN	026E13 50	29S06 13	93	10	V	MOTSW	01-Jan-64	OPE	PBS
71	BLOEMFONTEIN	026E13 50	29S06 13	96.2	10	V	ORANJE	01-Jan-64	OPE	CML
72	BLOEMFONTEIN	026E13 50	29S06 13	99.5	10	V	2000	01-Jan-64	OPE	PBS
73	BLOEMFONTEIN	026E13 50	29S06 13	106.6	10	V	SAFM	01-Jan-64	OPE	PBS
74	BLOEMFONTEIN	026E13 50	29S06 13	94.8	12	V	NENE	01-Dec-93	OPE	PBS
75	BLOEMFONTEIN 1	026E11 02	29S06 34	97	0.02	V	SHIMLA	01-Aug-96	OPE	CTY
76	BLOEMFONTEIN 2	026E11 48	29S03 29	100.6	6	V	ROSEST	23-Dec-96	OP	CTY
77	BLOUBERG	028E59 12	23S04 19	95.5	0.2	V	JAKR	01-Jun-85	OPE	CML
78	BLOUBERG	028E59 12	23S04 19	102.3	0.2	V	RSG	01-Jun-85	OPE	PBS
79	BLOUBERG	028E59 12	23S04 19	92.3	0.2	V	MOTSW	01-Jun-85	OPE	PBS
80	BLOUBERG	028E59 12	23S04 19	105.9	0.2	V	SAFM	01-Jun-85	OPE	PBS
81	BLOUBERG	028E59 12	23S04 19	89.2	0.2	V	THOBELA	01-Jun-85	OPE	PBS
82	BOESMANSKOP	027E12 55	30S00 28	97.7	10	V			SPA	CTY
83	BOESMANSKOP	027E12 55	30S00 28	94.4	5.46	V	OFM	06/07/2004	OPE	CML
84	BOESMANSKOP	027E12 55	30S00 28	91.2	22	V			SPA	PBS
85	BOESMANSKOP	027E12 55	30S00 28	101.2	22	V	RSG	01-Nov-65	OPE	PBS
86	BOESMANSKOP	027E12 55	30S00 28	88.1	22	V	LESEDI	01-Nov-65	OPE	PBS
87	BOESMANSKOP	027E12 55	30S00 28	104.8	22	V	SAFM	01-Nov-65	OPE	PBS
88	BOTHITHONG	023E59 16	27S07 29	88.3	10	V			SPA	PBS
89	BOTHITHONG	023E59 16	27S07 29	91.4	4	V			SPA	CTY
90	BOTHITHONG	023E59 16	27S07 29	94.6	10	V			SPA	PBS
91	BOTLOKWA	029E43 06	23S29 43	89.3	0.25	V	BOTLO		OPE	CTY
92	BRITS	027E53 15	25S42 40	106.6	0.5	V	MAGALIES	30-Apr-96	OP	CTY
93	BRONKHORSTSPRUI	028E30 05	25S48 25	104.2	5	V	PRETORIA	30-Apr-96	OPE	CTY
94	BURGERSDORP	026E20 21	31S00 02	93.8	1	V			SPA	CTY
95	BURGERSDORP	026E20 21	31S00 02	90	1	V	UNIQUE	27-Jul-01	LIC	CTY
96	BURGERSDORP	026E20 21	31S00 02	103.9	0.02	V	RSG	01-Sep-91	OP	PBS
97	BURGERSDORP	026E20 21	31S00 02	107.6	0.02	V	SAFM	01-Sep-91	OP	PBS
98	BURGERSDORP	026E20 21	31S00 02	97.1	0.02	V	NENE	01-Jan-94	OP	PBS
99	BUSHBUCKRIDGE	031E06 30	24S51 21	88.4	0.5	M	BUSHBUCK	16-Dec-96	OPE	CTY
100	BUTTERWORTH	028E12 25	32S16 35	88	15	V			SPA	CTY
101	BUTTERWORTH	028E12 25	32S16 35	106.1	0.1	V	KHANYA		OPE	CTY
102	BUTTERWORTH	028E12 25	32S16 35	94.3	15	V			SPA	CML
103	BUTTERWORTH	028E12 25	32S16 35	101.1	15	V	RSG	01-Jan-64	OPE	PBS
104	BUTTERWORTH	028E12 25	32S16 35	97.6	15	V	2000	01-Nov-93	OPE	PBS
105	BUTTERWORTH	028E12 25	32S16 35	104.7	15	V	SAFM	01-Jan-64	OPE	PBS
106	BUTTERWORTH	028E12 25	32S16 35	91.1	45	V	NENE	1-Dec-97	OPE	PBS
107	CALA	027E45 02	31S33 15	99.9	0.5	V	VUKANI	01-Aug-97	OPE	CTY
108	CALA	027E45 02	31S33 15	96.6	30	V			SPA	CML
109	CALA	027E45 02	31S33 15	103.4	10	V	RSG	8-Mar-85	OPE	PBS
110	CALA	027E45 02	31S33 15	90.3	10	V	LESEDI	1-Dec-64	OPE	PBS
111	CALA	027E45 02	31S33 15	107	10	V	SAFM	8-Mar-85	OPE	PBS
112	CALA	027E45 02	31S33 15	93.4	10	V	NENE	1-Dec-97	OPE	PBS
113	CALA1	027E41 40	31S30 30	100.3	0.1	V			SPA	CTY
114	CALVINIA	019E46 57	31S23 03	98	1	V	KABOESN		OPE	CTY

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
115	CALVINIA	019E46 57	31S23 03	91.5	50	V			SPA	CML
116	CALVINIA	019E46 57	31S23 03	88.4	50	V			SPA	PBS
117	CALVINIA	019E46 57	31S23 03	94.7	10	V	K- FM	01-Jan-78	OPE	CML
118	CALVINIA	019E46 57	31S23 03	101.5	10	V	RSG	01-May-72	OPE	PBS
119	CALVINIA	019E46 57	31S23 03	105.1	10	V	SAFM	01-May-72	OPE	PBS
120	CAPE TOWN	018E23 15	34S03 15	90.4	10	V			SPA	CML
121	CAPE TOWN	018E23 15	34S03 15	102.1	10	V	RSG	01-Jan-63	OPE	PBS
122	CAPE TOWN	018E23 15	34S03 15	89	10	V	5-FM	01-Sep-88	OPE	PBS
123	CAPE TOWN	018E23 15	34S03 15	98.6	10	V	2000	01-Jan-63	OPE	PBS
124	CAPE TOWN	018E23 15	34S03 15	95.3	10	V	GOODHOPE	01-Jan-63	OPE	PBS
125	CAPE TOWN	018E23 15	34S03 15	105.7	10	V	SAFM	01-Jan-63	OPE	PBS
126	CAPE TOWN	018E23 15	34S03 15	92.1	10	V	NENE	01-Jan-63	OPE	PBS
127	CAPE TOWN 1	018E27 45	33S57 30	104.5	0.02	V	UCT	24-Jul-96	OP	CTY
128	CARNARVON	022E22 29	30S54 14	99	10	V			SPA	CTY
129	CARNARVON	022E22 29	30S54 14	92.5	50	V			SPA	CML
130	CARNARVON	022E22 29	30S54 14	89.4	50	V			SPA	PBS
131	CARNARVON	022E22 29	30S54 14	95.7	10	V	K- FM	01-Jan-78	OPE	CML
132	CARNARVON	022E22 29	30S54 14	102.5	10	V	RSG	01-Oct-72	OPE	PBS
133	CARNARVON	022E22 29	30S54 14	106.1	10	V	SAFM	01-Oct-72	OPE	PBS
134	CAROLINA	030E37 57	26S10 37	89.9	9	V			SPA	CTY
135	CAROLINA	030E37 57	26S10 37	96.2	9	V	JAKR	01-Jan-86	OPE	CML
136	CAROLINA	030E37 57	26S10 37	103	9	V	RSG	01-Feb-66	OPE	PBS
137	CAROLINA	030E37 57	26S10 37	93	9	V	LIGWA	01-Apr-82	OPE	PBS
138	CAROLINA	030E37 57	26S10 37	94.8	8.9	V	M-POWER		LIC	CML
139	CAROLINA	030E37 57	26S10 37	106.6	9	V	SAFM	01-Feb-66	OPE	PBS
140	CAROLINA	030E37 57	26S10 37	99.5	9	V	UKHOZI	1-Jun-99	OPE	PBS
141	CERES	019E27 32	33S15 10	93.7	1	V			SPA	CTY
142	CERES	019E27 32	33S15 10	100.2	20	V			SPA	PBS
143	CERES	019E27 32	33S15 10	90.6	20	V			SPA	PBS
144	CERES	019E27 32	33S15 10	96.9	20	V	K- FM	01-Dec-71	OPE	CML
145	CERES	019E27 32	33S15 10	103.7	20	V	RSG	01-Dec-71	OPE	PBS
146	CERES	019E27 32	33S15 10	107.3	20	V	SAFM	01-Dec-71	OPE	PBS
147	CHRISTIANA	024E55 50	27S53 03	93.6	10	V			SPA	CTY
148	CHRISTIANA	024E55 50	27S53 03	103.6	11	V	RSG	01-May-70	OPE	PBS
149	CHRISTIANA	024E55 50	27S53 03	96.8	5.5	V	ORANJE	01-May-70	OPE	CML
150	CHRISTIANA	024E55 50	27S53 03	90.5	11	V	MOTSW	01-May-70	OPE	PBS
151	CHRISTIANA	024E55 50	27S53 03	107.2	11	V	SAFM	01-May-70	OPE	PBS
152	CLARKSON	024E25 48	34S01 29	104.1	1	V			SPA	CTY
153	COFIMVABA	027E33 00	32S13 00	89.4	5	V			SPA	PBS
154	COFIMVABA	027E30 43	31S59 57	91.8	10	V	NENE		LI	PBS
155	COLESBERG	025E03 28	30S42 30	97	0.02	V			SPA	CML
156	COLESBERG	025E03 28	30S42 30	100.4	1	V			SPA	CTY
157	COLESBERG	025E03 28	30S42 30	103.8	0.02	V	RSG	01-Sep-91	OP	PBS
158	COLESBERG	025E03 28	30S42 30	107.5	0.02	V	SAFM	01-Sep-91	OP	PBS
159	COLESBERG	025E03 28	30S42 30	93.8	0.02	V	NENE	01-Jan-94	OPE	PBS
160	CRADOCK	025E32 27	32S18 01	89.6	12	V			SPA	CTY
161	CRADOCK	025E32 27	32S18 01	99.2	12	V			SPA	PBS
162	CRADOCK	025E32 27	32S18 01	95.9	12	V	ALGOA	01-Sep-68	OPE	CML
163	CRADOCK	025E32 27	32S18 01	102.7	12	V	RSG	01-Sep-68	OPE	PBS
164	CRADOCK	025E32 27	32S18 01	106.3	12	V	SAFM	01-Sep-68	OPE	PBS
165	CRADOCK	025E32 27	32S18 01	92.7	12	V	NENE	01-Sep-68	OPE	PBS
166	CROSS ROADS	027E30 00	33S08 00	92.5	0.5	V			SPA	CTY
167	DAVEL	029E37 26	26S27 30	105.8	10	V	M-POWER		LIC	CML
168	DAVEL	029E37 26	26S27 30	101.3	1	V			SP	CTY
169	DAVEL	029E37 26	26S27 30	103.5	10	V	RSG	01-Apr-66	OPE	PBS
170	DAVEL	029E37 26	26S27 30	90.4	10	V	5-FM	01-Aug-86	OPE	PBS
171	DAVEL	029E37 26	26S27 30	96.7	10	V	JAKR	01-Aug-86	OPE	CML

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NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
172	DAVEL	029E37 26	26S27 30	94.5	10	V	IKWE	01-Jan-94	OPE	PBS
173	DAVEL	029E37 26	26S27 30	88.2	10	V	LESEDI	01-Apr-93	OPE	PBS
174	DAVEL	029E37 26	26S27 30	91.3	10	V	LIGWA	01-Apr-93	OPE	PBS
175	DAVEL	029E37 26	26S27 30	100	10	V	2000	01-Aug-86	OPE	PBS
176	DAVEL	029E37 26	26S27 30	107.1	10	V	SAFM	01-Apr-66	OPE	PBS
177	DAVEL	029E37 26	26S27 30	93.5	10	V	UKHOZI	01-Apr-66	OPE	PBS
178	DE AAR	024E01 25	30S40 08	88.9	1	V	ULWAZI		LIC	CTY
179	DE AAR	023E59 16	30S27 49	98.5	10	V			SPA	PBS
180	DE AAR	023E59 16	30S27 49	93.8	10	V			SPA	CML
181	DE AAR	023E59 16	30S27 49	95.2	10	V			SPA	CML
182	DE AAR	023E59 16	30S27 49	104	1	V			SPA	PBS
183	DE AAR	023E59 16	30S27 49	102	10	V	RSG	01-Sep-69	OPE	PBS
184	DE AAR	023E59 16	30S27 49	105.6	10	V	SAFM	01-Sep-69	OP	PBS
185	DE AAR	023E59 16	30S27 49	92	10	V	NENE	01-Jan-94	OPE	PBS
186	DEBEERSRUS	022E12 00	26S36 00	89.4	10	V			SPA	PBS
187	DEBEERSRUS	022E12 00	26S36 00	95.7	10	V			SPA	CTY
188	DEBEERSRUS	022E12 00	26S36 00	92.5	10	V			SPA	PBS
189	DEBEERSRUS	022E12 00	26S36 00	102.5	10	V			SPA	CML
190	DEBEERSRUS	022E12 00	26S36 00	99	10	V			SPA	PBS
191	DEBEERSRUS	022E12 00	26S36 00	106.1	10	V			SPA	PBS
192	DELPORTSHOOP	024E17 14	28S22 57	98	5	V			SP	CTY
193	DEVILS BELLOWS	026E38 58	32S25 25	101.3	10	V			SPA	CML
194	DEVILS BELLOWS	026E38 58	32S25 25	104.9	10	V			SPA	PBS
195	DEVILS BELLOWS	026E38 58	32S25 25	97.8	10	V			SPA	PBS
196	DONNYBROOK	029E51 19	29S54 56	89.6	10	V	MIDLANDS		SPA	CTY
197	DONNYBROOK	029E51 19	29S54 56	95.9	10	V	ECOAST	01-Jan-71	OPE	CML
198	DONNYBROOK	029E51 19	29S54 56	102.7	10	V	RSG	01-Jan-71	OPE	PBS
199	DONNYBROOK	029E51 19	29S54 56	99.2	10	V	2000	01-Jan-71	OPE	PBS
200	DONNYBROOK	029E51 19	29S54 56	106.3	10	V	SAFM	01-Jan-71	OPE	PBS
201	DONNYBROOK	029E51 19	29S54 56	92.7	10	V	UKHOZI	01-Jan-71	OPE	PBS
202	DOUGLAS	023E31 49	29S04 14	92.9	10	V			SPA	CML
203	DOUGLAS	023E31 49	29S04 14	89.6	10	V			SPA	CTY
204	DOUGLAS	023E31 49	29S04 14	99.4	10	V			SPA	PBS
205	DOUGLAS	023E31 49	29S04 14	96.1	9	V	ORANJE	01-Feb-79	OPE	CML
206	DOUGLAS	023E31 49	29S04 14	102.9	9	V	RSG	01-Feb-79	OPE	PBS
207	DOUGLAS	023E31 49	29S04 14	106.5	9.3	V	SAFM	01-Feb-79	OPE	PBS
208	DULLSTROOM	030E11 17	25S34 21	101.6	10	V	M-POWER		LIC	CML
209	DULLSTROOM	030E11 17	25S34 21	97.3	0.5	V			SPA	CML
210	DULLSTROOM	030E11 17	25S34 21	99.7	0.5	V			SP	CML
211	DULLSTROOM	030E11 17	25S34 21	90.1	0.5	V			SPA	CTY
212	DULLSTROOM	030E11 17	25S34 21	100.8	10	V	RSG	01-Oct-67	OPE	PBS
213	DULLSTROOM	030E11 17	25S34 21	94	10	V	JAKR	01-Oct-67	OPE	CML
214	DULLSTROOM	030E11 17	25S34 21	107.7	10	V	IKWE	1-May-93	OPE	PBS
215	DULLSTROOM	030E11 17	25S34 21	90.8	10	V	LIGWA	01-Oct-67	OPE	PBS
216	DULLSTROOM	030E11 17	25S34 21	104.4	10	V	SAFM	01-Oct-67	OPE	PBS
217	DULLSTROOM	030E11 17	25S34 21	87.7	10	V	THOBELA	01-Oct-67	OPE	PBS
218	DURBAN	030E43 00	29S46 11	99.5	25	M	DBNINIT	30-Apr-98	OPE	CML
219	DURBAN	030E43 00	29S46 11	106.6	25	M	LESEDI		OP	PBS
220	DURBAN	030E43 00	29S46 11	96.8	1	V	IMBOK	17/12/2003	OPE	CTY
221	DURBAN	030E43 00	29S46 11	103	25	M			SPA	CML
222	DURBAN	030E43 00	29S46 11	91.5	0.25	V	HINDV	1-Sep-02	OPE	CTY
223	DURBAN	030E43 00	29S46 11	100.8	25	M	RSG	01-Jan-63	OPE	PBS
224	DURBAN	030E43 00	29S46 11	94	25	M	ECOAST	01-May-67	OPE	CML
225	DURBAN	030E43 00	29S46 11	89.9	25	M	5-FM	01-Aug-88	OPE	PBS
226	DURBAN	030E43 00	29S46 11	87.7	25	M	LOTUS	01-Jan-83	OPE	PBS
227	DURBAN	030E43 00	29S46 11	93	25	M	METRO	01-Apr-92	OPE	PBS
228	DURBAN	030E43 00	29S46 11	97.3	15	M	2000	01-Jan-63	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
229	DURBAN	030E43 00	29S46 11	104.4	25	M	SAFM	01-Jan-63	OPE	PBS
230	DURBAN	030E43 00	29S46 11	90.8	25	M	UKHOZI	01-Jan-63	OPE	PBS
231	DURBAN	030E43 00	29S46 11	96.2	5	M	NENE	01-Dec-93	OP	PBS
232	DURBAN 1	031E05 19	29S36 45	98	1	V	IZWILOMZAN		LI	CTY
233	DURBAN 3	030E53 08	29S48 52	101.5	0.25	V	HWAY		LIC	CTY
234	DURBAN NORTH	031E02 24	29S45 52	88.4	1	V	INANDA		LI	CTY
235	DURBAN NORTH	031E02 24	29S45 52	100.1	6	V	P4 DBN	2-May-00	OPE	CML
236	DURBAN NORTH	031E02 24	29S45 52	102.5	6	V	RSG	01-Mar-67	OPE	PBS
237	DURBAN NORTH	031E02 24	29S45 52	95.7	6	V	ECOAST	01-May-67	OPE	CML
238	DURBAN NORTH	031E02 24	29S45 52	103.8	6	V	5-FM	01-Aug-88	OPE	PBS
239	DURBAN NORTH	031E02 24	29S45 52	89.4	6	V	LOTUS	01-Jan-83	OPE	PBS
240	DURBAN NORTH	031E02 24	29S45 52	107.9	6	V	METRO	01-Dec-91	OPE	PBS
241	DURBAN NORTH	031E02 24	29S45 52	99	6	V	2000	01-Mar-67	OPE	PBS
242	DURBAN NORTH	031E02 24	29S45 52	94.7	0.25	V	VIBE FM		OPE	CTY
243	DURBAN NORTH	031E02 24	29S45 52	106.1	6	V	SAFM	01-Mar-67	OPE	PBS
244	DURBAN NORTH	031E02 24	29S45 52	92.5	6	V	UKHOZI	01-Mar-67	OPE	PBS
245	DZAMBA	030E18 41	22S49 05	96.5	5	H			SPA	CTY
246	DZAMBA	030E18 41	22S49 05	93.3	1.5	H	PHALA	1-Dec-97	OPE	PBS
247	EAST LONDON	027E48 58	32S56 20	97.1	1	V	LINK FM	1-Feb-97	OP	CTY
248	EAST LONDON	027E48 58	32S56 20	95.7	1	V	IMONTI	21-Dec-01	LIC	CTY
249	EAST LONDON	027E48 58	32S56 20	101.6	10	V	RSG	01-Jan-64	OPE	PBS
250	EAST LONDON	027E48 58	32S56 20	88.5	10	V	5-FM	12-Aug-88	OPE	PBS
251	EAST LONDON	027E48 58	32S56 20	107.7	10	V	METRO	01-May-92	OPE	PBS
252	EAST LONDON	027E48 58	32S56 20	94.8	10	V	ALGOA	01-Jan-64	OPE	CML
253	EAST LONDON	027E48 58	32S56 20	98.1	10	V	2000	01-Jan-64	OPE	PBS
254	EAST LONDON	027E48 58	32S56 20	104.1	0.5	V	CISKEI	01-Dec-97	OP	PBS
255	EAST LONDON	027E48 58	32S56 20	89.4	1	v	MDANTSANE		LIC	CTY
256	EAST LONDON	027E48 58	32S56 20	105.2	10	V	SAFM	01-Jan-64	OPE	PBS
257	EAST LONDON	027E48 58	32S56 20	91.6	10	V	NENE	01-Jan-64	OPE	PBS
258	ELANDS HEIGHT	028E07 10	30S47 44	89.8	50	V			SPA	PBS
259	ELANDS HEIGHT	028E07 10	30S47 44	99.4	50	V			SPA	CML
260	ELANDS HEIGHT	028E07 10	30S47 44	96.1	50	V			SPA	CTY
261	ELANDS HEIGHT	028E07 10	30S47 44	92.9	50	V			SPA	PBS
262	ELANDS HEIGHT	028E07 10	30S47 44	102.9	50	V			SPA	PBS
263	ELANDS HEIGHT	028E07 10	30S47 44	106.5	50	V			SPA	PBS
264	ELLIOT	027E51 57	31S10 36	88.3	0.5	V			SPA	CML
265	ELLIOT	027E51 57	31S10 36	94.6	0.5	V			SPA	CTY
266	ELLIOT	027E51 57	31S10 36	97.9	0.5	V			SPA	PBS
267	ELLIOT	027E51 57	31S10 36	101.4	0.5	V	RSG	01-Aug-88	OPE	PBS
268	ELLIOT	027E51 57	31S10 36	105	0.5	V	SAFM	01-Aug-88	OPE	PBS
269	ELLIOT	027E51 57	31S10 36	91.4	0.5	V	NENE	01-Aug-88	OPE	PBS
270	ENTSANTSHONGO	028E40 10	32S 08 39	103.4	10	V			SP	CML
271	ENTSANTSHONGO	028E40 10	32S 08 39	87.6	10	V	NENE		OPE	PBS
272	ENZELSBERG	026E13 16	25S25 07	98.1	1	V			SPA	CTY
273	ENZELSBERG	026E13 16	25S25 07	91.6	0.3	V			SPA	PBS
274	ENZELSBERG	026E13 16	25S25 07	94.8	0.3	V	JAKR	01-Oct-85	OPE	CML
275	ENZELSBERG	026E13 16	25S25 07	101.6	0.3	V	RSG	01-Oct-85	OPE	PBS
276	ENZELSBERG	026E13 16	25S25 07	88.5	0.3	V	MOTSW	01-Oct-85	OPE	PBS
277	ENZELSBERG	026E13 16	25S25 07	105.2	0.3	V	SAFM	01-Oct-85	OPE	PBS
278	ERMELO	030E07 53	26S45 46	104	1	V	ERMELO	30-Apr-97	OPE	CTY
279	ESHOWE	031E17 37	28S51 29	100.4	10	V		1-Dec-02	SPA	CML
280	ESHOWE	031E17 37	28S51 29	107.7	1	V	IKHWEZI	19-Sep-97	OPE	CTY
281	ESHOWE	031E17 37	28S51 29	96.6	10	V	ECOAST	01-Nov-65	OPE	CML
282	ESHOWE	031E17 37	28S51 29	103.4	10	V	RSG	01-Nov-65	OPE	PBS
283	ESHOWE	031E17 37	28S51 29	90.3	10	V	METRO	01-May-94	OPE	PBS
284	ESHOWE	031E17 37	28S51 29	99.9	10	V	2000	01-Nov-65	OPE	PBS
285	ESHOWE	031E17 37	28S51 29	104	1		SHINE FM		OPE	CTY

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
286	ESHOWE	031E17 37	28S51 29	107	10	V	SAFM	01-Nov-65	OPE	PBS
287	ESHOWE	031E17 37	28S51 29	93.4	10	V	UKHOZI	01-Nov-65	OPE	PBS
288	EXCELSIOR	027E12 45	28S50 32	97	1	V			SPA	CTY
289	FAANS GROVE	022E24 18	27S05 59	93	5	H			SPA	CTY
290	FAANS GROVE	022E24 18	27S05 59	99.5	5	H			SPA	PBS
291	FAANS GROVE	022E24 18	27S05 59	96.2	5	H			SPA	CML
292	FAANS GROVE	022E24 18	27S05 59	89.9	5	H			SPA	PBS
293	FAANS GROVE	022E24 18	27S05 59	103	5	H	RSG	01-Dec-78	OPE	PBS
294	FAANS GROVE	022E24 18	27S05 59	106.6	5	H	SAFM	01-Dec-78	OPE	PBS
295	FICKSBURG TOWN	027E51 27	28S52 36	93.7	0.01	V	SETSOTO	21/07/2003	OPE	CTY
296	FICKSBURG TOWN	027E51 27	28S52 36	100.2	0.01	V			SPA	PBS
297	FICKSBURG TOWN	027E51 27	28S52 36	103.7	0.01	V	RSG	01-May-87	OPE	PBS
298	FICKSBURG TOWN	027E51 27	28S52 36	88.3	5	V			SPA	PBS
299	FICKSBURG TOWN	027E51 27	28S52 36	94.6	5	V			SPA	CML
300	FICKSBURG TOWN	027E51 27	28S52 36	101.4	5	V			SPA	CTY
301	FICKSBURG TOWN	027E51 27	28S52 36	91.4	5	V			SPA	PBS
302	FICKSBURG TOWN	027E51 27	28S52 36	97.9	5	V			SPA	PBS
303	FICKSBURG TOWN	027E51 27	28S52 36	105	5	V			SPA	PBS
304	FICKSBURG TOWN	027E51 27	28S52 36	96.9	0.01	V	ORANJE	01-May-87	OPE	CML
305	FICKSBURG TOWN	027E51 27	28S52 36	90.6	0.01	V	LESEDI	01-May-87	OPE	PBS
306	FICKSBURG TOWN	027E51 27	28S52 36	107.3	0.01	V	SAFM	01-May-87	OPE	PBS
307	FISHHOEK	018E26 12	34S08 59	96.7	0.02	V	CCFM	01-Jan-96	OPE	CTY
308	FISHHOEK	018E26 12	34S08 59	90.7	0.02	V	VOC		OPE	CTY
309	FISHHOEK	018E26 12	34S08 59	100	0.02	V	P4 CT	28-Jun-99	OPE	CML
310	FRANSCHHOEK	019E04 26	33S54 26	87.6	0.1	V	FRANSCHOEK		LIC	CTY
311	FRANSCHHOEK	019E04 26	33S54 26	100.7	0.02	V	RSG	01-Mar-72	OPE	PBS
312	FRANSCHHOEK	019E04 26	33S54 26	97.2	0.02	V	2000	01-Mar-72	OPE	PBS
313	FRANSCHHOEK	019E04 26	33S54 26	93.9	0.02	V	GOODHOPE	01-Mar-72	OPE	PBS
314	FRANSCHHOEK	019E04 26	33S54 26	104.3	0.02	V	SAFM	01-Mar-72	OPE	PBS
315	FRANSCHHOEK	019E04 26	33S54 26	90.7	0.02	V	NENE	01-Mar-72	OPE	PBS
316	GA MASEMOLA	029E40 42	24S45 11	93.1	1	V			SP	CTY
317	GABA	030E42 25	22S47 02	94.5	0.2	V			SP	CTY
318	GABA	030E42 25	22S47 02	91.3	0.2	V			SP	PBS
319	GABA	030E42 25	22S47 02	88.2	1.5	V	PHALA	1-Dec-97	OPE	PBS
320	GA-MABULA	027E58 15	23S37 26	90.9	10	V	THOBELA	26-Apr-02	OPE	PBS
321	GAMOEP	018E49 00	30S04 00	89.3	1	V			SPA	CTY
322	GAMOEP	018E49 00	30S04 00	95.6	1	V			SPA	CML
323	GAMOEP	018E49 00	30S04 00	92.4	1	V			SPA	PBS
324	GAMOEP	018E49 00	30S04 00	102.4	1	V			SPA	PBS
325	GAMOEP	018E49 00	30S04 00	106	1	V			SPA	PBS
326	GANYESA	024E16 00	26S36 12	105	2	H			SPA	CTY
327	GANYESA	024E16 00	26S36 12	101.4	5	H			SPA	PBS
328	GANYESA	024E16 00	26S36 12	97.9	3	H	MOTSW	1-Apr-98	OPE	PBS
329	GA-RANKUWA	028E01 25	25S36 12	103.9	8	H			SPA	CML
330	GA-RANKUWA	028E01 25	25S36 12	107.5	8	H			SPA	PBS
331	GA-RANKUWA	028E01 25	25S36 12	100.4	8	H			SPA	PBS
332	GARIES	018E04 43	30S18 52	90.7	2.6	V			SPA	CTY
333	GARIES	018E04 43	30S18 52	97.2	2.6	V			SPA	PBS
334	GARIES	018E04 43	30S18 52	87.6	2.6	V			SPA	PBS
335	GARIES	018E04 43	30S18 52	93.9	3	V	K- FM	01-Oct-78	OPE	CML
336	GARIES	018E04 43	30S18 52	100.7	2.6	V	RSG	01-Oct-78	OPE	PBS
337	GARIES	018E04 43	30S18 52	104.3	2.6	V	SAFM	01-Oct-78	OPE	PBS
338	GENADENDAL	019E33 08	34S02 17	103.8	0.01	V	RSG		LIC	PBS
339	GEORGE	022E27 04	33S55 38	90.1	5	V	EDEN FM		LIC	CTY
340	GEORGE	022E27 04	33S55 38	103.2	1	V			SP	CTY
341	GEORGE	022E27 04	33S55 38	101.7	10	V	RSG	01-Oct-66	OPE	PBS
342	GEORGE	022E27 04	33S55 38	93.8	1	V	REENBOOG FM		LIC	CTY

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
343	GEORGE	022E27 04	33S55 38	93.2	1	V			SP	PBS
344	GEORGE	022E27 04	33S55 38	94.9	10	V	K- FM	01-Nov-70	OPE	CML
345	GEORGE	022E27 04	33S55 38	106.8	1	V			SP	PBS
346	GEORGE	022E27 04	33S55 38	91.7	10	V	5-FM	01-Jul-93	OPE	PBS
347	GEORGE	022E27 04	33S55 38	98.2	10	V	2000	01-Oct-66	OPE	PBS
348	GEORGE	022E27 04	33S55 38	105.3	10	V	SAFM	01-Oct-66	OPE	PBS
349	GEORGE	022E27 04	33S55 38	88.6	10	V	NENE	01-Dec-93	OPE	PBS
350	GEORGE 1	022E27 20	33S57 35	107.8	1	V	SKAPSTERE	28-May-99	OPE	CTY
351	GLENCOE	029E56 51	28S09 04	107.8	1	V			SP	CTY
352	GLENCOE	029E56 51	28S09 04	96.3	10	V	ECOAST	01-Jan-67	OPE	CML
353	GLENCOE	029E56 51	28S09 04	103.1	10	V	RSG	01-Jan-67	OPE	PBS
354	GLENCOE	029E56 51	28S09 04	90	10	V	LOTUS	01-Jun-85	OPE	PBS
355	GLENCOE	029E56 51	28S09 04	99.6	10	V	2000	01-Jan-67	OPE	PBS
356	GLENCOE	029E56 51	28S09 04	106.7	10	V	SAFM	01-Jan-67	OPE	PBS
357	GLENCOE	029E56 51	28S09 04	93.1	10	V	UKHOZI	01-Jan-67	OPE	PBS
358	GORDONS BAY	018E52 35	34S09 20	102.7	0.01	V			SPA	CTY
359	GRAAFF-REINET	024E27 04	32S04 44	96.5	10	V	ALGOA	01-Feb-69	OPE	CML
360	GRAAFF-REINET	024E27 04	32S04 44	103.3	10	V	RSG	01-Feb-69	OPE	PBS
361	GRAAFF-REINET	024E27 04	32S04 44	107.7	10	V			SP	PBS
362	GRAAFF-REINET	024E27 04	32S04 44	106.9	10	V	SAFM	01-Feb-69	OPE	PBS
363	GRAAFF-REINET	024E27 04	32S04 44	93.3	10	V	NENE	01-Feb-69	OPE	PBS
364	GRAAFF-REINET1	024E32 20	32S15 21	90.2	1	V	GRAAFFR	01-Sep-97	OPE	CTY
365	GRABOUW	018E58 03	34S06 05	107.8	0.005	V	P4 CT	20-Aug-99	OPE	CML
366	GRABOUW	018E58 03	34S06 05	95.9	0.01	V	HELDER	01-Jul-95	OP	CTY
367	GRABOUW	018E58 03	34S06 05	94.9	0.01	V	K- FM	01-Jul-87	OP	CML
368	GRABOUW	018E58 03	34S06 05	101.7	0.01	V	RSG	01-Jul-87	OP	PBS
369	GRABOUW	018E58 03	34S06 05	105.3	0.01	V	SAFM	01-Jul-87	OP	PBS
370	GRAHAMSTOWN	026E42 31	33S17 15	99	1	V			SP	CTY
371	GRAHAMSTOWN	026E42 31	33S17 15	106.1	1	V			SP	CTY
372	GRAHAMSTOWN	026E42 31	33S17 15	89.7	0.25	V			SPA	CTY
373	GRAHAMSTOWN	026E42 31	33S17 15	103.5	10	V	RSG	01-Jan-64	OPE	PBS
374	GRAHAMSTOWN	026E42 31	33S17 15	96.7	10	V	ALGOA	01-Jan-64	OPE	CML
375	GRAHAMSTOWN	026E42 31	33S17 15	90.4	10	V	5-FM	01-Oct-87	OPE	PBS
376	GRAHAMSTOWN	026E42 31	33S17 15	100	10	V	2000	01-Jan-64	OPE	PBS
377	GRAHAMSTOWN	026E42 31	33S17 15	107.1	10	V	SAFM	01-Jan-64	OPE	PBS
378	GRAHAMSTOWN	026E42 31	33S17 15	93.5	10	V	NENE	01-Jan-64	OPE	PBS
379	GRAHAMSTOWN 1	026E31 20	33S18 15	102.1	0.4	V	GRAHAMS		LI	CTY
380	GREYLINGSTAD	028E30 00	26S50 00	100.6	0.25	V			SPA	CTY
381	GREYTOWN	030E32 10	29S00 46	90.5	10	V	IKHWEZI	01-Sep-95	OP	CTY
382	GREYTOWN	030E32 10	29S00 46	88.6	10	V			SPA	CML
383	GREYTOWN	030E32 10	29S00 46	94.9	10	V	ECOAST	01-May-67	OPE	CML
384	GREYTOWN	030E32 10	29S00 46	101.7	10	V	RSG	01-May-65	OPE	PBS
385	GREYTOWN	030E32 10	29S00 46	98.2	10	V	2000	01-May-65	OPE	PBS
386	GREYTOWN	030E32 10	29S00 46	105.3	10	V	SAFM	01-May-65	OPE	PBS
387	GREYTOWN	030E32 10	29S00 46	91.7	10	V	UKHOZI	01-May-65	OPE	PBS
388	GROBLERSDAL	029E12 32	25S15 48	98.7	1	V	SEKHUKHUNE		LI	CTY
389	GROBLERSDAL	029E12 32	25S15 48	96.3	0.5	V	MOUTSE	29-Oct-97	OPE	CTY
390	GROOT MARICO	026E26 08	25S37 11	98.8	1	V			SP	CTY
391	GROOT MARICO	026E26 08	25S37 11	104	0.25	V			SP	CTY
392	GROOT MARICO	026E26 08	25S37 11	92.3	1	V			SP	CTY
393	GROOT MARICO	026E26 08	25S37 11	95.5	0.1	V	JAKR	01-Oct-85	OP	CML
394	GROOT MARICO	026E26 08	25S37 11	102.3	0.1	V	RSG	01-Oct-85	OP	PBS
395	GROOT MARICO	026E26 08	25S37 11	89.2	0.1	V	MOTSW	01-Oct-85	OPE	PBS
396	GROOT MARICO	026E26 08	25S37 11	105.9	0.1	V	SAFM	01-Oct-85	OP	PBS
397	HAENERTSBURG	029E56 48	23S59 54	107	50	V			SP	CML
398	HAENERTSBURG	029E56 48	23S59 54	103.4	50	V			SP	PBS
399	HAENERTSBURG	029E56 48	23S59 54	96.6	10	V	WOLKBERG	30-Apr-96	OP	CTY

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
400	HAENERTSBURG	029E56 48	23S59 54	99.9	50	V			SP	PBS
401	HAENERTSBURG	029E56 48	23S59 54	93.4	50	V			SP	PBS
402	HAENERTSBURG	029E56 48	23S59 54	90.3	50	V	THOBELA	01-Jul-88	OP	PBS
403	HANKEY	024E52 13	33S49 52	98.5	0.2	V			SPA	CTY
404	HANKEY	024E52 13	33S49 52	87.9	0.01	V			SP	CTY
405	HANKEY	024E52 13	33S49 52	94.2	0.01	V	ALGOA	01-Feb-87	OP	CML
406	HANKEY	024E52 13	33S49 52	97.5	0.01	V			SP	PBS
407	HANKEY	024E52 13	33S49 52	101	0.01	V	RSG	01-Feb-87	OP	PBS
408	HANKEY	024E52 13	33S49 52	104.6	0.01	V	SAFM	01-Feb-87	OP	PBS
409	HANKEY	024E52 13	33S49 52	91	0.01	V	NENE	01-Feb-87	OP	PBS
410	HARRISMITH	029E12 40	28S15 52	103.6	10	V	LESEDI		LIC	PBS
411	HARRISMITH	029E12 40	28S15 52	100	10	V	UKHOZI		LIC	PBS
412	HECTORSPRUIT	031E36 20	25S28 47	87.7	0.4	V	LIGWA	26-Apr-01	OPE	PBS
413	HEIDELBERG	028E20 53	26S29 19	103	0.05	V			SPA	CTY
414	HEIDELBERG	028E20 53	26S29 19	97.8	0.25	V			SPA	CTY
415	HEIDELBERG	028E20 53	26S29 19	94	0.1	V	HVELD	01-Mar-78	OPE	CML
416	HEIDELBERG	028E20 53	26S29 19	100.8	0.1	V	RSG	01-Mar-78	OPE	PBS
417	HEIDELBERG	028E20 53	26S29 19	87.7	0.1	V	LESEDI	01-Feb-93	OPE	PBS
418	HEIDELBERG	028E20 53	26S29 19	97.3	0.1	V	2000	01-Mar-78	OPE	PBS
419	HEIDELBERG	028E20 53	26S29 19	104.4	0.1	V	SAFM	01-Mar-78	OPE	PBS
420	HEIDELBERG	028E20 53	26S29 19	90.8	0.1	V	UKHOZI	01-Mar-78	OPE	PBS
421	HEIDELBERG 1	028E17 52	26S31 15	89.8	0.025	V			SPA	CTY
422	HELDERKRUIN	027E51 32	26S06 05	93.9	0.1	V			SP	CTY
423	HELDERKRUIN	027E51 32	26S06 05	100.5	0.07	V	HVELD	01-Jun-91	OP	CML
424	HELDERKRUIN	027E51 32	26S06 05	104	0.07	V	5-FM	01-Jun-91	OP	PBS
425	HENNENMAN	027E01 54	27S54 06	107.6	5	V	VOLKSTEM	24-Dec-96	OPE	CTY
426	HERMANUS	019E13 18	34S24 47	90.8	0.1	V			SPA	PBS
427	HERMANUS	019E13 18	34S24 47	87.7	0.1	V			SPA	CTY
428	HERMANUS	019E13 18	34S24 47	94	0.1	V	K- FM	01-Apr-78	OPE	CML
429	HERMANUS	019E13 18	34S24 47	91.9	1	V			SP	PBS
430	HERMANUS	019E13 18	34S24 47	100.8	0.1	V	RSG	01-Apr-78	OPE	PBS
431	HERMANUS	019E13 18	34S24 47	97.3	0.1	V	2000	01-Apr-78	OPE	PBS
432	HERMANUS	019E13 18	34S24 47	104.4	0.1	V	SAFM	01-Apr-78	OPE	PBS
433	HEUNINGVLEI	023E08 00	26S17 03	92.2	0.05	V	MOTSW	25-Oct-08	OPE	PBS
434	HEXRIVIER	019E39 23	33S30 54	98.5	0.01	V			SPA	CML
435	HEXRIVIER	019E39 23	33S30 54	89.9	0.2	V			SPA	CTY
436	HEXRIVIER	019E39 23	33S30 54	95.2	0.02	V	K- FM	01-Jan-73	OPE	CML
437	HEXRIVIER	019E39 23	33S30 54	92	0.01	V			SPA	PBS
438	HEXRIVIER	019E39 23	33S30 54	102	0.02	V	RSG	01-Jan-73	OPE	PBS
439	HEXRIVIER	019E39 23	33S30 54	105.6	0.02	V	SAFM	01-Jan-73	OPE	PBS
440	HOEDSPRUIT	030E52 08	24S32 30	98	18	V	CAPRICORN		LIC	CML
441	HOEDSPRUIT	030E52 08	24S32 30	96.4	1	V			SP	CTY
442	HOEDSPRUIT	030E52 08	24S32 30	94.4	18	V			SPA	CTY
443	HOEDSPRUIT	030E52 08	24S32 30	95.2	18	V	JAKR	01-Jul-70	OPE	CML
444	HOEDSPRUIT	030E52 08	24S32 30	102	18	V	RSG	01-Jul-70	OPE	PBS
445	HOEDSPRUIT	030E52 08	24S32 30	104	18	V	LIGWA	1-Jun-99	OPE	PBS
446	HOEDSPRUIT	030E52 08	24S32 30	92	18	V	NENE	01-Jul-70	OPE	PBS
447	HOEDSPRUIT	030E52 08	24S32 30	98.5	18	V	2000	01-Jul-70	OPE	PBS
448	HOEDSPRUIT	030E52 08	24S32 30	105.6	18	V	SAFM	01-Jul-70	OPE	PBS
449	HOEDSPRUIT	030E52 08	24S32 30	88.9	18	V	THOBELA	01-Jul-70	OPE	PBS
450	HOLY CROSS	031E07 56	29S38 25	95.5	30	V			SP	CML
451	HOLY CROSS	031E07 56	29S38 25	92.3	30	V	NENE		LI	PBS
452	HOUT BAY	018E20 56	34S00 44	90.9	0.02	V	VOC		OPE	CTY
453	HOUT BAY	018E20 56	34S00 44	94.7	0.1	V			SP	CTY
454	HOUT BAY	018E20 56	34S00 44	107	0.02	V	P4 CT	30-Jun-99	OPE	CML
455	HOUT BAY	018E20 56	34S00 44	100.9	0.02	V	RSG	01-Mar-78	OPE	PBS
456	HOUT BAY	018E20 56	34S00 44	87.8	0.02	V	5-FM	01-Nov-95	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
457	HOUT BAY	018E20 56	34S00 44	97.4	0.02	V	2000	01-Mar-78	OPE	PBS
458	HOUT BAY	018E20 56	34S00 44	94.1	0.02	V	GOODHOPE	01-Mar-78	OPE	PBS
459	HOUT BAY	018E20 56	34S00 44	104.5	0.02	V	SAFM	01-Mar-78	OPE	PBS
460	INDERMARK	029E06 26	23S04 51	88	0.02	V	THOBELA		LIC	PBS
461	ITSOSENG	025E55 18	26S04 30	105.4	3	H			SPA	CML
462	ITSOSENG	025E55 18	26S04 30	101.8	5	H			SPA	CTY
463	ITSOSENG	025E55 18	26S04 30	98.3	3	H			SPA	PBS
464	JAGERSFONTEIN	025E24 29	29S46 49	107.5	0.5	V			SP	CTY
465	JOHANNESBURG	028E02 47	26S12 20	95.4	0.1	V	RAU RADIO		OPE	CTY
466	JOHANNESBURG	028E00 26	26S11 31	99.2	35	M	Y-FM	1-Sep-97	OPE	CML
467	JOHANNESBURG	028E00 26	26S11 31	102.7	35	M	CLASSIC	01-Sep-97	OPE	CML
468	JOHANNESBURG	028E00 26	26S11 31	92.7	3.5	M	RADIO 702		OP	CML
469	JOHANNESBURG	028E00 26	26S11 31	94.7	38	M	HVELD	01-Jan-62	OPE	CML
470	JOHANNESBURG	028E00 26	26S11 31	95.9	35	M	KAYA	01-Aug-97	OPE	CML
471	JOHANNESBURG	028E00 26	26S11 31	101.5	38	M	RSG	01-Jan-62	OPE	PBS
472	JOHANNESBURG	028E00 26	26S11 31	106.3	11	M	IKWE		OPE	PBS
473	JOHANNESBURG	028E00 26	26S11 31	98	76	M	5-FM	01-Nov-74	OPE	PBS
474	JOHANNESBURG	028E00 26	26S11 31	88.4	38	M	LESEDI	01-Jan-62	OPE	PBS
475	JOHANNESBURG	028E00 26	26S11 31	106.8	2.4	V	LOTUS	01-Jan-62	OPE	PBS
476	JOHANNESBURG	028E00 26	26S11 31	96.4	7.2	V	METRO	01-Dec-91	OPE	PBS
477	JOHANNESBURG	028E00 26	26S11 31	89.6	35	M	MOTSW	24-Dec-98	OPE	PBS
478	JOHANNESBURG	028E00 26	26S11 31	103.2	2.4	V	NENE	01-Jan-62	OPE	PBS
479	JOHANNESBURG	028E00 26	26S11 31	107.8	2.4	V	PHALA	01-Jan-62	OP	PBS
480	JOHANNESBURG	028E00 26	26S11 31	99.7	2.4	V	2000	01-Jan-62	OPE	PBS
481	JOHANNESBURG	028E00 26	26S11 31	105.1	38	M	SAFM	01-Jan-62	OPE	PBS
482	JOHANNESBURG	028E00 26	26S11 31	90.1	2.4	V	THOBELA	01-Jan-62	OPE	PBS
483	JOHANNESBURG	028E00 26	26S11 31	91.5	38	M	UKHOZI	01-Jan-62	OPE	PBS
484	JOHANNESBURG	028E00 26	26S11 31	101.9	1.3	V	CHAI FM		LIC	PBS
485	JOHANNESBURG	028E00 26	26S11 31	93.2	2.4	V	NENE	01-Jan-62	OPE	PBS
486	JOUBERTINA	023E46 39	33S51 42	92	0.2	V			SPA	CTY
487	JOUBERTINA	023E46 39	33S51 42	95.2	0.2	V			SPA	CML
488	JOUBERTINA	023E46 39	33S51 42	88.9	0.2	V			SPA	PBS
489	JOUBERTINA	023E46 39	33S51 42	105.6	0.2	V			SPA	PBS
490	JOUBERTINA	023E46 39	33S51 42	102	0.2	V			SPA	PBS
491	KALAHARI	021E40 00	27S21 00	94.5	10	V			SPA	CML
492	KALAHARI	021E40 00	27S21 00	104.9	10	V			SPA	CTY
493	KALAHARI	021E40 00	27S21 00	91.3	10	V			SPA	PBS
494	KALAHARI	021E40 00	27S21 00	97.8	10	V			SPA	PBS
495	KAREEDOUW	024E25 48	34S01 29	99.4	6	V			SPA	CML
496	KAREEDOUW	024E25 48	34S01 29	89.8	6	V			SPA	CTY
497	KAREEDOUW	024E25 48	34S01 29	96.1	6	V	ALGOA	01-Dec-68	OPE	CML
498	KAREEDOUW	024E25 48	34S01 29	102.9	6	V	RSG	01-Dec-68	OPE	PBS
499	KAREEDOUW	024E25 48	34S01 29	106.5	6	V	SAFM	01-Dec-68	OPE	PBS
500	KAREEDOUW	024E25 48	34S01 29	92.9	6	V	NENE	16-Mar-94	OPE	PBS
501	KHAYELITSHA	018E40 36	34S02 34	98.2	0.25	V	ZIBONELE	01-Aug-97	OPE	CTY
502	KIESEL	027E08 00	23S52 00	106.4	10	V			SPA	CTY
503	KIESEL	027E08 00	23S52 00	99.3	10	V			SPA	CTY
504	KIMBERLEY	024E54 19	28S51 14	95.4	10	V			SPA	CML
505	KIMBERLEY	024E54 19	28S51 14	94.2	10	V	ORANJE	01-May-65	OPE	CML
506	KIMBERLEY	024E54 19	28S51 14	101	10	V	RSG	01-May-65	OPE	PBS
507	KIMBERLEY	024E54 19	28S51 14	91	10	V	5-FM	01-Jul-93	OPE	PBS
508	KIMBERLEY	024E54 19	28S51 14	87.9	10	V	MOTSW	01-May-65	OPE	PBS
509	KIMBERLEY	024E54 19	28S51 14	97.5	10	V	2000	01-May-65	OPE	PBS
510	KIMBERLEY	024E54 19	28S51 14	104.6	10	V	SAFM	01-May-65	OPE	PBS
511	KIMBERLEY	024E54 19	28S51 14	97.5	10	V	NENE	31-Aug-06	OPE	PBS
512	KIMBERLEY	024E54 19	28S51 14	97.5	10	V	LESEDI	31-Aug-06	OPE	PBS
513	KIMBERLEY 1	024E46 03	28S44 34	89.1	1	V	TEEMA	15-Dec-97	OPE	CTY

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
514	KING WILLIAMS TOW	027E15 36	32S40 44	102.5	1	V			SPA	CTY
515	KING WILLIAMS TOW	027E15 36	32S40 44	100.6	1	V	FORTE		LIC	CTY
516	KING WILLIAMS TOW	027E15 36	32S40 44	96.2	10	V	ALGOA	01-Jan-64	OP	CML
517	KING WILLIAMS TOW	027E15 36	32S40 44	99.5	10	V			SP	PBS
518	KING WILLIAMS TOW	027E15 36	32S40 44	103	10	V	RSG	01-Jan-64	OP	PBS
519	KING WILLIAMS TOW	027E15 36	32S40 44	89.9	10	V	CISKEI	01-Nov-90	OP	PBS
520	KING WILLIAMS TOW	027E15 36	32S40 44	106.6	10	V	SAFM	01-Jan-64	OP	PBS
521	KING WILLIAMS TOW	027E15 36	32S40 44	93	30	V	NENE	01-Jan-64	OP	PBS
522	KLAARSTROOM	022E31 39	33S19 58	100.4	0.01	V	RSG		LIC	PBS
523	KLEINMOND	019E08 28	34S23 15	97.1	0.08	V	K- FM	01-Aug-91	OP	CML
524	KLEINMOND	019E08 28	34S23 15	104.2	0.08	V	RSG	01-Aug-91	OP	PBS
525	KLEINMOND	019E08 28	34S23 15	107.9	0.1	V	SAFM	01-Aug-91	OP	PBS
526	KLERKSDORP	026E24 29	26S45 14	100.6	1	V			SP	CTY
527	KLERKSDORP	026E24 29	26S45 14	94.4	10	V	ORANJE	01-May-70	OPE	CML
528	KLERKSDORP	026E24 29	26S45 14	102.9	2	V	STAR FM		OPE	CTY
529	KLERKSDORP	026E24 29	26S45 14	97	10	V	RADIO NW		OPE	CML
530	KLERKSDORP	026E24 29	26S45 14	101.2	10	V	RSG	01-May-70	OPE	PBS
531	KLERKSDORP	026E24 29	26S45 14	92.9	10	V	LESEDI	31-May-99	OPE	PBS
532	KLERKSDORP	026E24 29	26S45 14	88.1	10	V	MOTSW	01-May-70	OPE	PBS
533	KLERKSDORP	026E24 29	26S45 14	97.7	10	V	2000	01-May-70	OPE	PBS
534	KLERKSDORP	026E24 29	26S45 14	104.8	10	V	SAFM	01-May-70	OPE	PBS
535	KLERKSDORP	026E24 29	26S45 14	91.2	10	V	NENE	01-Dec-93	OPE	PBS
536	KLIPRAND	018E29 34	30S54 00	93.1	5	V			SP	CTY
537	KLIPVOORDAM	027E45 42	25S09 18	102.4	2	H			SPA	PBS
538	KNYSNA	023E02 35	34S04 18	99.7	0.25	V			SP	CTY
539	KNYSNA	023E02 35	34S04 18	96.4	0.5	V			SP	CTY
540	KNYSNA	023E02 35	34S04 18	95.4	0.2	V	K- FM	01-Jan-78	OPE	CML
541	KNYSNA	023E02 35	34S04 18	102.2	0.2	V	RSG	01-Jan-78	OPE	PBS
542	KNYSNA	023E02 35	34S04 18	100.3	1	V			SP	PBS
543	KNYSNA	023E02 35	34S04 18	92.2	0.2	V	5-FM	01-Jul-93	OPE	PBS
544	KNYSNA	023E02 35	34S04 18	98.7	0.2	V	2000	01-Jan-78	OPE	PBS
545	KNYSNA	023E02 35	34S04 18	105.8	0.2	V	SAFM	01-Jan-78	OPE	PBS
546	KNYSNA	023E02 35	34S04 18	89.1	0.2	V	NENE	01-Dec-93	OPE	PBS
547	KOKSTAD	029E29 24	30S36 42	91	0.05	V			SPA	CML
548	KOKSTAD	029E29 24	30S36 42	97.5	1	V			SPA	CTY
549	KOKSTAD	029E29 24	30S36 42	94.2	0.05	V	ECOAST	01-Aug-91	OPE	CML
550	KOKSTAD	029E29 24	30S36 42	87.9	0.05	V			SPA	PBS
551	KOKSTAD	029E29 24	30S36 42	101	0.05	V	RSG	01-Aug-91	OPE	PBS
552	KOKSTAD	029E29 24	30S36 42	104.6	0.05	V	SAFM	01-Aug-91	OPE	PBS
553	KOMATIEPOORT	031E47 00	25S13 00	100.2	1	V			SPA	CTY
554	KOMATIEPOORT	031E47 00	25S13 00	96.9	20	V			SPA	PBS
555	KOMATIEPOORT	031E47 00	25S13 00	103.7	20	V			SPA	PBS
556	KOPPIES	027E34 30	27S15 49	94.9	0.5	V			SP	CTY
557	KOSTER	026E43 42	25S56 25	107.5	0.5	V	TAFELKOP	30-Apr-97	OP	CTY
558	KRIEL	029E15 40	26S15 35	98.7	0.001	M	KRIEL RADIO		LIC	CML
559	KROONSTAD	027E11 10	27S25 16	96.6	10	V	ORANJE	01-Jan-65	OPE	CML
560	KROONSTAD	027E11 10	27S25 16	103.4	10	V	RSG	01-Jan-65	OPE	PBS
561	KROONSTAD	027E11 10	27S25 16	93.4	10	V	5-FM	01-Apr-87	OPE	PBS
562	KROONSTAD	027E11 10	27S25 16	90.3	10	V	LESEDI	01-Jan-65	OPE	PBS
563	KROONSTAD	027E11 10	27S25 16	99.9	10	V	2000	01-Jan-65	OPE	PBS
564	KROONSTAD	027E11 10	27S25 16	107	10	V	SAFM	01-Jan-65	OPE	PBS
565	KURUMAN	023E18 49	27S21 05	98.4	10	H			SPA	CML
566	KURUMAN	023E18 49	27S21 05	105.5	10	H			SPA	CTY
567	KURUMAN	023E18 49	27S21 05	101.9	3.8	H	MOTSW	1-Apr-98	OPE	PBS
568	KURUMAN 1	023E23 00	27S36 00	107.4	1	V	VRYHEID	23-Dec-97	OPE	CTY
569	KURUMAN HILLS	023E33 38	27S53 13	98.9	11	V			SPA	CTY
570	KURUMAN HILLS	023E33 38	27S53 13	104.2	1	V			SP	CML

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
571	KURUMAN HILLS	023E33 38	27S53 13	95.6	11	V	ORANJE	01-Oct-71	OPE	CML
572	KURUMAN HILLS	023E33 38	27S53 13	102.4	11	V	RSG	01-Oct-71	OPE	PBS
573	KURUMAN HILLS	023E33 38	27S53 13	92.4	11	V			SPA	PBS
574	KURUMAN HILLS	023E33 38	27S53 13	89.3	11	V	MOTSW	01-Oct-71	OPE	PBS
575	KURUMAN HILLS	023E33 38	27S53 13	106	11	V	SAFM	01-Oct-71	OPE	PBS
576	KUTAMA	029E37 31	23S02 19	103.9	1	V			SPA	CTY
577	KUTAMA	029E37 31	23S02 19	107.9	0.1	V			SPA	PBS
578	KWAGGAFONTEIN	028E57 27	25S14 37	97.3	10	V	IKWE	13-Dec-01	OPE	PBS
579	KWAGGAFONTEIN	028E57 27	25S14 37	94	10	V	THOBELA	13-Dec-01	OPE	PBS
580	KWAMAGODA	030E14 17	29S57 50	101.9	0.5	V			SP	CTY
581	KWAMHLANGA	028E30 49	25S26 22	93.8	1.2	V	IKWE	01-Mar-93	OP	PBS
582	LADISMITH (CAPE)	021E25 20	33S37 54	88.3	2.5	V	REENBOOG FM		LIC	CTY
583	LADISMITH (CAPE)	021E25 20	33S37 54	97.9	2.5	V			SPA	CML
584	LADISMITH (CAPE)	021E25 20	33S37 54	91.4	2.5	V			SPA	CML
585	LADISMITH (CAPE)	021E25 20	33S37 54	94.6	2.5	V	K- FM	01-Feb-88	OPE	CML
586	LADISMITH (CAPE)	021E25 20	33S37 54	101.4	2.5	V	RSG	01-Feb-88	OPE	PBS
587	LADISMITH (CAPE)	021E25 20	33S37 54	105	2.5	V	SAFM	01-Feb-88	OPE	PBS
588	LADY FRERE	027E 17 30	31S 38 46	103.8		V			SP	CML
589	LADY FRERE	027E 17 30	31S 38 46	100.2		V	NENE		LI	PBS
590	LADY GREY	027E12 58	30S42 22	104.4	0.001	V	WITTENBER	06-Dec-96	OP	CTY
591	LADYBRAND	027E22 42	29S10 18	92.1	10	V			SPA	CTY
592	LADYBRAND	027E22 42	29S10 18	95.3	2.5	V	ORANJE	01-Nov-65	OPE	CML
593	LADYBRAND	027E22 42	29S10 18	102.1	10	V	RSG	01-Nov-65	OPE	PBS
594	LADYBRAND	027E22 42	29S10 18	98.6	10	V			SPA	PBS
595	LADYBRAND	027E22 42	29S10 18	89	10	V	LESEDI	01-Nov-65	OPE	PBS
596	LADYBRAND	027E22 42	29S10 18	105.7	10	V	SAFM	1-Nov-65	OPE	PBS
597	LADYSMITH	029E47 19	28S35 23	100.5	1	V			SP	CTY
598	LADYSMITH	029E47 19	28S35 23	103.9	1	V			SPA	CTY
599	LADYSMITH	029E47 19	28S35 23	94.2	0.1	V	ECOAST	01-Dec-77	OPE	CML
600	LADYSMITH	029E47 19	28S35 23	101	0.1	V	RSG	01-Dec-77	OPE	PBS
601	LADYSMITH	029E47 19	28S35 23	87.9	0.1	V	LOTUS	01-Jun-85	OPE	PBS
602	LADYSMITH	029E47 19	28S35 23	97.5	0.1	V	2000	01-Dec-77	OPE	PBS
603	LADYSMITH	029E47 19	28S35 23	104.6	0.1	V	SAFM	01-Dec-77	OPE	PBS
604	LADYSMITH	029E47 19	28S35 23	91	0.1	V	UKHOZI	01-Dec-77	OPE	PBS
605	LAXEY	023E09 30	26S43 54	95.4	0.01	V	MOTSW	25-Oct-08	LIC	PBS
606	LEBOWAKGOMO	029E29 01	24S19 09	105.8	0.25	V	LEBOWA		LIC	CTY
607	LEEU-GAMKA	021E58 08	32S46 12	100.3	0.01	V	RSG		OPE	PBS
608	LENASIA	027E50 10	26S19 09	92.2	0.1	H	EWAVE	20-Jun-97	OPE	CTY
609	LETABA	031E43 30	23S52 20	98	10	V			SPA	CML
610	LETABA	031E43 30	23S52 20	91.5	10	V			SPA	PBS
611	LETABA	031E43 30	23S52 20	94.7	10	V			SPA	PBS
612	LETABA	031E43 30	23S52 20	101.5	10	V			SPA	PBS
613	LETLHABILE	027E48 25	25S37 30	99.5	0.1	V	LETHL		OPE	CTY
614	LICHTENBURG	026E17 14	26S15 36	92.6	10	V	LICHTENBU	30-Apr-97	OP	CTY
615	LOERIESFONTEIN	019E26 35	30S57 32	89.1	10	V			SPA	CTY
616	LOOPENG	023E21 19	26S46 59	102.2	0.01	V	MOTSW		LIC	PBS
617	LOSKOP	029E12 42	28S39 41	89.4	0.2	V			SPA	PBS
618	LOSKOP	029E12 42	28S39 41	96.9	0.2	V	UKHOZI	9-May-01	OPE	PBS
619	LOUIS TRICHARDT	029E45 26	23S00 02	105.4	15	V	CAPRICORN		LIC	CML
620	LOUIS TRICHARDT	029E45 26	23S00 02	93.9	15	V	JAKR	01-Mar-69	OPE	CML
621	LOUIS TRICHARDT	029E45 26	23S00 02	100.7	15	V	RSG	01-Mar-69	OPE	PBS
622	LOUIS TRICHARDT	029E45 26	23S00 02	91.9	1	V			SPA	PBS
623	LOUIS TRICHARDT	029E45 26	23S00 02	90	3	V	NENE	01-Jan-94	OPE	PBS
624	LOUIS TRICHARDT	029E45 26	23S00 02	90.7	15	V	PHALA	01-Mar-69	OPE	PBS
625	LOUIS TRICHARDT	029E45 26	23S00 02	97.2	15	V	2000	01-Mar-88	OPE	PBS
626	LOUIS TRICHARDT	029E45 26	23S00 02	104.3	15	V	SAFM	01-Mar-69	OPE	PBS
627	LOUIS TRICHARDT	029E45 26	23S00 02	87.6	15	V	THOBELA	01-Mar-69	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
628	LOUWSBURG	031E16 32	27S33 44	101.5	30	V			SPA	CML
629	LOUWSBURG	031E16 32	27S33 44	98	10	V	UKHOZI		OPE	PBS
630	LOVEMORE HEIGHTS	025E29 31	33S59 56	107.5	0.5	V	KINGFISHER		LIC	CTY
631	LUSIKISIKI	029E28 17	31S15 07	91.9	0.2	V	INKONJANE		LIC	CTY
632	LYDENBURG	030E26 04	25S06 19	89.7	0.01	V	M-POWER		LIC	CML
633	LYDENBURG	030E26 04	25S06 19	99.9	0.5	V			SP	CTY
634	LYDENBURG	030E26 04	25S06 19	93.4	0.5	V			SP	CTY
635	LYDENBURG	030E26 04	25S06 19	96	0.01	V	JAKR	01-Dec-86	OP	CML
636	LYDENBURG	030E26 04	25S06 19	102.8	0.01	V	RSG	01-Dec-86	OP	PBS
637	LYDENBURG	030E26 04	25S06 19	92.8	0.01	V	LIGWA	01-Dec-86	OPE	PBS
638	LYDENBURG	030E26 04	25S06 19	106.4	0.01	V	SAFM	01-Dec-86	OP	PBS
639	LYDENBURG 1	030E03 36	25S23 58	99.3	5	V	PLATOR	30-Apr-97	OPE	CTY
640	MACLEAR	028E21 00	31S04 02	93.5	1	V	ILLITHA		OPE	CTY
641	MADIBOGO	025E15 14	26S27 28	91.7	0.7	H			SPA	CTY
642	MADIBOGO	025E15 14	26S27 28	94.9	7	H			SPA	PBS
643	MADIBOGO	025E15 14	26S27 28	88.6	10	H	MOTSW	1-Apr-98	OP	PBS
644	MADIBONG	029E52 04	24S42 50	98.7	1	V	SEKHUKHUNE		LIC	CTY
645	MAKADIMA	025E49 23	25S26 47	93.5	0.3	H			SPA	CML
646	MAKADIMA	025E49 23	25S26 47	96.7	5	H			SPA	CTY
647	MAKADIMA	025E49 23	25S26 47	90.4	3	H			SPA	PBS
648	MAKHADO	029E53 05	22S59 44	107.3	1	V	MAKHADO FM		LIC	CTY
649	MALAMBA	030E15 09	22S53 56	103	5	H			SPA	CTY
650	MALAMBA	030E15 09	22S53 56	106.6	5	H			SPA	PBS
651	MALAMBA	030E15 09	22S53 56	99.5	0.25	H	PHALA	1-Dec-97	OPE	PBS
652	MAMELODI	028E16 09	25S26 15	91.9	0.5	V	RADIO MAMS		LIC	CTY
653	MATATIELE	028E49 19	30S23 45	93.8	1	V	ALFRED NZO		OPE	CTY
654	MATATIELE	028E49 19	30S23 45	94.7	12	V	ECOAST	01-Jan-71	OPE	CML
655	MATATIELE	028E49 19	30S23 45	98	50	V			SPA	PBS
656	MATATIELE	028E49 19	30S23 45	101.5	12	V	RSG	01-Jan-71	OPE	PBS
657	MATATIELE	028E49 19	30S23 45	88.4	12	V	LESEDI	01-Jan-71	OPE	PBS
658	MATATIELE	028E49 19	30S23 45	105.1	12	V	SAFM	01-Jan-71	OPE	PBS
659	MATATIELE	028E49 19	30S23 45	91.5	12	V	NENE	01-Apr-96	OPE	PBS
660	MATJIESFONTEIN	020E30 20	33S16 52	92.8	10	V			SPA	CTY
661	MATJIESFONTEIN	020E30 20	33S16 52	99.3	10	V			SPA	CML
662	MATJIESFONTEIN	020E30 20	33S16 52	96	10	V	K- FM	01-Jul-68	OPE	CML
663	MATJIESFONTEIN	020E30 20	33S16 52	89.7	10	V			SPA	PBS
664	MATJIESFONTEIN	020E30 20	33S16 52	102.8	10	V	RSG	01-Jul-68	OPE	PBS
665	MATJIESFONTEIN	020E30 20	33S16 52	106.4	10	V	SAFM	01-Jul-68	OPE	PBS
666	MAVHUNGA	030E07 18	22S56 27	104.7	0.01	V	PHALA		LIC	PBS
667	MBUZINI	031E54 53	25S52 26	93.7	16	V	LIGWA	28-Aug-01	OPE	PBS
668	MEMEL	029E28 43	27S44 02	100.9	10	V	DRAKENS	30-Apr-96	OP	CTY
669	MENLO PARK	028E16 09	25S46 15	95.3	0.05	V	JAKR	01-Mar-73	OP	CML
670	MENLO PARK	028E16 09	25S46 15	102.1	0.05	V	RSG	01-Mar-73	OP	PBS
671	MENLO PARK	028E16 09	25S46 15	89	0.05	V	MOTSW	01-Mar-73	OP	PBS
672	MENLO PARK	028E16 09	25S46 15	98.6	0.05	V	2000	01-Mar-73	OP	PBS
673	MENLO PARK	028E16 09	25S46 15	105.7	0.04	V	SAFM	01-Mar-73	OP	PBS
674	MERWEVILLE	021E30 40	32S40 30	90.4	1	V			SP	CTY
675	MERWEVILLE	021E30 40	32S40 30	101.1	0.01	V	RSG	10-Apr-08	OPE	PBS
676	MIDDELBURG	029E23 24	25S49 04	93.1	11	V	KRAGBRON	06/08/2003	OPE	CTY
677	MIDDELBURG	029E23 24	25S49 04	95	11	V	JAKR	01-Oct-65	OPE	CML
678	MIDDELBURG	029E23 24	25S49 04	106.4	11	V	M-POWER		LIC	CML
679	MIDDELBURG	029E23 24	25S49 04	101.8	11	V	RSG	01-Oct-65	OPE	PBS
680	MIDDELBURG	029E23 24	25S49 04	97	11	V	5-FM	01-Dec-86	OPE	PBS
681	MIDDELBURG	029E23 24	25S49 04	91.8	11	V	IKWE	01-Oct-65	OPE	PBS
682	MIDDELBURG	029E23 24	25S49 04	103.8	11	V	LIGWA	01-Jan-94	OPE	PBS
683	MIDDELBURG	029E23 24	25S49 04	100.3	11	V	METRO	01-Apr-93	OPE	PBS
684	MIDDELBURG	029E23 24	25S49 04	98.3	11	V	2000	01-Aug-86	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
685	MIDDELBURG	029E23 24	25S49 04	105.4	11	V	SAFM	01-Oct-65	OPE	PBS
686	MIDDELBURG	029E23 24	25S49 04	88.7	11	V	THOBELA	01-Oct-65	OPE	PBS
687	MIDDELBURG	029E23 24	25S49 04	107.4	11	V	UKHOZI	9-Jun-00	OPE	PBS
688	MIDDELBURG 1	029E36 51	25S40 02	89.7	0.5	V	GMIDDELB		OPE	CTY
689	MIDDLETON	025E34 29	33S14 55	95.7	0.5	V			SPA	CTY
690	MIDRAND	028E15 53	26S00 05	107.4	0.1	V	MCR		LIC	CTY
691	MIDRAND	028E15 53	26S00 05	93.8	0.1	V	MIDRAND COM		OPE	CTY
692	MIER	020E18 15	26S41 30	102.7	20	V			SPA	CTY
693	MIER	020E18 15	26S41 30	99.2	20	V			SPA	CML
694	MIER	020E18 15	26S41 30	106.3	20	V			SPA	PBS
695	MIER	020E18 15	26S41 30	95.9	20	V			SPA	PBS
696	MISGUND	023E07 24	33S39 27	90.3	4	V	REENBOOG FM		LIC	CTY
697	MMABATHO	025E36 46	25S50 22	91.8	10	V	RADIO NW		OPE	CML
698	MMABATHO	025E36 46	25S50 22	88.7	10	V	MOTSW	1-Apr-98	OPE	PBS
699	MMABATHO	025E36 46	25S50 22	95	5	V			SPA	PBS
700	MOGWASE	027E16 00	25S10 26	91.3	2	V			SP	CTY
701	MOGWASE	027E16 00	25S10 26	88.2	2	V			SP	CML
702	MOGWASE	027E16 00	25S10 26	94.5	2	V			SP	PBS
703	MOHUDI	029E13 51	23S19 27	98.8	0.5	V	MOHUDI		OPE	CTY
704	MOKOPANE	029E03 29	24S09 46	100	1	V	MOKOPANE		OPE	CTY
705	MOLEMA	030E02 40	23S18 38	96.2	5	H			SPA	CTY
706	MOLEMA	030E02 40	23S18 38	93	10	H	PHALA	1-Dec-97	OPE	PBS
707	MONTAGU	020E08 37	33S47 16	97.1	0.02	V	K- FM	01-Oct-91	OP	CML
708	MONTAGU	020E08 37	33S47 16	104.2	0.02	V	RSG	01-Oct-91	OP	PBS
709	MONTAGU	020E08 37	33S47 16	107.9	0.02	V	SAFM	01-Sep-91	OP	PBS
710	MOOI RIVER	029E52 04	29S11 07	89.1	10	V			SP	CTY
711	MOOI RIVER	029E52 04	29S11 07	95.4	10	V	ECOAST	01-May-67	OPE	CML
712	MOOI RIVER	029E52 04	29S11 07	102.2	10	V	RSG	01-Jul-66	OPE	PBS
713	MOOI RIVER	029E52 04	29S11 07	98.7	10	V	2000	01-Jul-66	OPE	PBS
714	MOOI RIVER	029E52 04	29S11 07	105.8	10	V	SAFM	01-Jul-66	OPE	PBS
715	MOOI RIVER	029E52 04	29S11 07	92.2	10	V	UKHOZI	01-Jul-66	OPE	PBS
716	MORETELETSI	026E42 12	25S17 48	106.9	3	H			SPA	CML
717	MORETELETSI	026E42 12	25S17 48	99.8	3	H			SPA	CTY
718	MORETELETSI	026E42 12	25S17 48	103.3	3	H	MOTSW	1-Apr-98	OPE	PBS
719	MOROKWENG	023E41 00	25S59 00	107.3	3	V			SPA	CTY
720	MOROKWENG	023E41 00	25S59 00	103.7	3	V			SPA	CTY
721	MOROKWENG	023E41 00	25S59 00	100.2	3	V			SPA	PBS
722	MOTSWEDI	025E52 18	25S16 55	103.5	5	H			SPA	CTY
723	MOTSWEDI	025E52 18	25S16 55	100	5	H			SPA	CTY
724	MOTSWEDI	025E52 18	25S16 55	107.1	5	H	MOTSW	1-Apr-98	OPE	PBS
725	MOUNT AYLIFF	029E23 41	30S50 11	100.5	2	V			SP	CTY
726	MOUNT AYLIFF	029E23 41	30S50 11	98.3	0.5	V	ALFRED NZO		LIC	CTY
727	MOUNT AYLIFF	029E23 41	30S50 11	96.4	30	V			SPA	CML
728	MOUNT AYLIFF	029E23 41	30S50 11	103.2	10	V	RSG	01-Jan-65	OPE	PBS
729	MOUNT AYLIFF	029E23 41	30S50 11	99.7	10	V	2000	01-Jan-65	OPE	PBS
730	MOUNT AYLIFF	029E23 41	30S50 11	106.8	10	V	SAFM	01-Jan-65	OPE	PBS
731	MOUNT AYLIFF	029E23 41	30S50 11	90.1	10	V	UKHOZI	1-Jun-99	OPE	PBS
732	MOUNT AYLIFF	029E23 41	30S50 11	93.2	10	V	NENE	1-Dec-97	OPE	PBS
733	MOUNT FLETCHER	028E26 00	30S30 00	90.4	5	V			SPA	PBS
734	MOUNT FLETCHER	028E26 00	30S30 00	100	5	V			SPA	PBS
735	MPZEMA	030E10 05	22S56 40	101.6	0.02	V	PHALA		LIC	PBS
736	MURRAYSBURG	023E45 16	31S58 00	107.3	2	V			SP	CTY
737	NABOOMSPRUIT	028E42 50	24S31 10	92.2	0.02	V	NABOOM	30-Apr-97	OP	CTY
738	NAPIER	019E53 33	34S31 45	98.9	10	V			SPA	CML
739	NAPIER	019E53 33	34S31 45	92.4	1	V			SPA	CTY
740	NAPIER	019E53 33	34S31 45	95.6	3	V	K- FM	01-Jun-64	OPE	CML
741	NAPIER	019E53 33	34S31 45	89.3	10	V			SPA	PBS

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NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
742	NAPIER	019E53 33	34S31 45	102.4	3	V	RSG	01-Jun-64	OPE	PBS
743	NAPIER	019E53 33	34S31 45	106	3	V	SAFM	01-Jun-64	OPE	PBS
744	NELSPOORT	023E02 05	32S06 36	101.5	0.01	V	RSG	10-Apr-08	OPE	PBS
745	NELSPRUIT	030E46 35	25S30 55	104.1	0.5	V	BARBTN	1-Aug-03	OP	CTY
746	NELSPRUIT	030E46 35	25S30 55	94.3	12	V	M-POWER		LIC	CML
747	NELSPRUIT	030E46 35	25S30 55	100.5	1	V	LAEVELD	30-Apr-97	OPE	CTY
748	NELSPRUIT	030E46 35	25S30 55	104.7	1	V			SPA	CTY
749	NELSPRUIT	030E46 35	25S30 55	107.3	0.2	V			SPA	CTY
750	NELSPRUIT	030E46 35	25S30 55	101.1	12	V			SPA	CTY
751	NELSPRUIT	030E46 35	25S30 55	95.7	12	V	JAKR	01-Aug-86	OPE	CML
752	NELSPRUIT	030E46 35	25S30 55	88	12	V			SPA	PBS
753	NELSPRUIT	030E46 35	25S30 55	102.5	12	V	RSG	01-Sep-66	OPE	PBS
754	NELSPRUIT	030E46 35	25S30 55	91.1	12	V	5-FM	01-Jul-93	OPE	PBS
755	NELSPRUIT	030E46 35	25S30 55	92.5	12	V	LIGWA	01-Apr-82	OPE	PBS
756	NELSPRUIT	030E46 35	25S30 55	89.4	12	V	NENE	01-Apr-82	OPE	PBS
757	NELSPRUIT	030E46 35	25S30 55	99	12	V	2000	01-Aug-86	OPE	PBS
758	NELSPRUIT	030E46 35	25S30 55	106.1	12	V	SAFM	01-Sep-66	OPE	PBS
759	NEWCASTLE	029E57 12	27S43 07	103.7	1	V	NEWCSTLE	19-Dec-03	OPE	CTY
760	NEWCASTLE	029E57 12	27S43 07	96.9	0.1	V	ECOAST	01-Sep-92	OP	CML
761	NGQELENI	029E07 34	31S45 57	99	30	V	NENE		OPE	PBS
762	NOENIEPUT	020E18 30	27S35 00	98.8	10	V			SPA	CTY
763	NOENIEPUT	020E18 30	27S35 00	102.3	10	V			SPA	CML
764	NOENIEPUT	020E18 30	27S35 00	89.2	10	V			SPA	PBS
765	NOENIEPUT	020E18 30	27S35 00	95.5	10	V			SPA	PBS
766	NOENIEPUT	020E18 30	27S35 00	92.3	10	V			SPA	PBS
767	NOENIEPUT	020E18 30	27S35 00	105.9	10	V			SPA	PBS
768	NONGOMA	031E39 27	27S54 18	97	1	V			SP	CTY
769	NONGOMA	031E39 27	27S54 18	96.1	10	V	ECOAST	01-Jun-71	OPE	CML
770	NONGOMA	031E39 27	27S54 18	102.9	10	V	RSG	01-Jun-71	OPE	PBS
771	NONGOMA	031E39 27	27S54 18	89.8	10	V	METRO	01-May-94	OPE	PBS
772	NONGOMA	031E39 27	27S54 18	99.4	10	V	2000	01-Jun-71	OPE	PBS
773	NONGOMA	031E39 27	27S54 18	106.5	10	V	SAFM	01-Jun-71	OPE	PBS
774	NONGOMA	031E39 27	27S54 18	92.9	10	V	UKHOZI	01-Jun-71	OPE	PBS
775	NOUPOORT	024E56 01	31S18 14	88.3	10	V			SPA	CTY
776	NOUPOORT	024E56 01	31S18 14	94.6	10	V	ALGOA	01-May-68	OPE	CML
777	NOUPOORT	024E56 01	31S18 14	97.9	10	V			SPA	PBS
778	NOUPOORT	024E56 01	31S18 14	101.4	10	V	RSG	01-May-68	OPE	PBS
779	NOUPOORT	024E56 01	31S18 14	105	10	V	SAFM	01-May-68	OPE	PBS
780	NOUPOORT	024E56 01	31S18 14	91.4	10	V	NENE	01-May-68	OPE	PBS
781	NQUTU	030E40 42	28S15 43	107.1	10	V			SPA	CML
782	NQUTU	030E40 42	28S15 43	100.6	10	V	UKHOZI	15-Feb-02	OPE	PBS
783	NYLSTROOM	028E25 59	24S47 58	92.9	0.2	V			SP	CTY
784	NYLSTROOM	028E25 59	24S47 58	100.6	0.2	V			SP	CTY
785	NYLSTROOM	028E25 59	24S47 58	97.1	1	V			SP	CTY
786	NYLSTROOM	028E25 59	24S47 58	96.1	0.2	V	JAKR	01-Jan-83	OP	CML
787	NYLSTROOM	028E25 59	24S47 58	99.4	0.2	V			SP	PBS
788	NYLSTROOM	028E25 59	24S47 58	103.6	0.2	V			SPA	PBS
789	NYLSTROOM	028E25 59	24S47 58	102.9	0.2	V	RSG	01-Jan-83	OP	PBS
790	NYLSTROOM	028E25 59	24S47 58	90.6	8	V	IKWE	01-Jan-83	OPE	PBS
791	NYLSTROOM	028E25 59	24S47 58	106.5	0.2	V	SAFM	01-Jan-83	OP	PBS
792	NYLSTROOM	028E25 59	24S47 58	89.8	0.2	V	THOBELA	01-Jan-83	OP	PBS
793	ORANGE FARM	027E51 27	26S27 19	100.6	0.2		ORANGE FRM		OP	CTY
794	ORANIA	024E24 07	29S49 01	95.5	0.1	V	RADIO KAROO		LIC	CTY
795	OUDTSHOORN	022E16 02	33S40 16	96.8	1	V			SP	CML
796	OUDTSHOORN	022E16 02	33S40 16	103.6	0.5	V	EDEN FM		LIC	CTY
797	OUDTSHOORN	022E16 02	33S40 16	95.8	9	V	K- FM	01-Sep-72	OPE	CML
798	OUDTSHOORN	022E16 02	33S40 16	90.5	9	V			SPA	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
799	OUDTSHOORN	022E16 02	33S40 16	102.6	9	V	RSG	01-Sep-72	OPE	PBS
800	OUDTSHOORN	022E16 02	33S40 16	92.6	9	V	5-FM	01-Jul-93	OPE	PBS
801	OUDTSHOORN	022E16 02	33S40 16	99.1	9	V	2000	01-Sep-72	OPE	PBS
802	OUDTSHOORN	022E16 02	33S40 16	106.2	9	V	SAFM	01-Sep-72	OPE	PBS
803	OUDTSHOORN	022E16 02	33S40 16	89.5	9	V	NENE	1-Dec-93	OPE	PBS
804	OUDTSHOORN	022E12 12	33S35 23	104.1	1	V	REENBOOG FM		LIC	CTY
805	PAARL	018E56 24	33S42 53	107.7	0.1	V	KC	01-Dec-01	OP	CTY
806	PAARL	018E56 24	33S42 53	102.7	0.13	V	P4 CT	30-Jun-99	OPE	CML
807	PAARL	018E56 24	33S42 53	95.8	0.1	V	VOC		OP	CTY
808	PAARL	018E56 24	33S42 53	101.6	0.3	V	RSG	01-Jan-67	OPE	PBS
809	PAARL	018E56 24	33S42 53	88.5	0.3	V	5-FM	01-Dec-88	OPE	PBS
810	PAARL	018E56 24	33S42 53	98.1	0.3	V	2000	01-Jan-67	OPE	PBS
811	PAARL	018E56 24	33S42 53	94.8	0.3	V	GOODHOPE	01-Jan-67	OPE	PBS
812	PAARL	018E56 24	33S42 53	105.2	0.3	V	SAFM	01-Jan-67	OPE	PBS
813	PAARL	018E56 24	33S42 53	91.6	0.3	V	NENE	01-Jan-67	OPE	PBS
814	PANKOP	028E24 16	25S09 44	95.4	10	V	MOTSW	1-Apr-98	OPE	PBS
815	PANKOP	028E24 16	25S09 44	89.1	10	V			SP	PBS
816	PARSONS HILL	025E35 19	33S57 11	94.2	0.1	V	ALGOA	01-Jan-87	OPE	CML
817	PARSONS HILL	025E35 19	33S57 11	101	0.1	V	RSG	01-Jan-87	OPE	PBS
818	PARSONS HILL	025E35 19	33S57 11	87.9	0.1	V	METRO	01-Dec-91	OPE	PBS
819	PARSONS HILL	025E35 19	33S57 11	97.5	0.1	V	2000	01-Jan-87	OPE	PBS
820	PARSONS HILL	025E35 19	33S57 11	104.6	0.1	V	SAFM	1-Jan-87	OPE	PBS
821	PARSONS HILL	025E35 19	33S57 11	91	0.1	V	NENE	01-Jan-87	OPE	PBS
822	PARYS	027E27 37	26S57 02	93	0.5	V	LENTSWE		LIC	CTY
823	PATENSIE	024E49 43	33S45 37	94.8	0.01	V	ALGOA	01-Apr-87	OP	CML
824	PATENSIE	024E49 43	33S45 37	88.8	0.01	V			SP	PBS
825	PATENSIE	024E49 43	33S45 37	101.5	0.01	V	RSG	01-Apr-87	OP	PBS
826	PATENSIE	024E49 43	33S45 37	105	0.01	V	SAFM	01-Apr-87	OP	PBS
827	PATENSIE	024E49 43	33S45 37	91.6	0.01	V	NENE	01-Apr-87	OP	PBS
828	PAUL SAUER DAM	024E33 43	33S45 13	90.5	0.01	V			SP	CTY
829	PAUL SAUER DAM	024E33 43	33S45 13	96.8	0.01	V	ALGOA	01-Apr-87	OP	CML
830	PAUL SAUER DAM	024E33 43	33S45 13	100.1	0.01	V			SP	PBS
831	PAUL SAUER DAM	024E33 43	33S45 13	103.6	0.01	V	RSG	01-Apr-87	OP	PBS
832	PAUL SAUER DAM	024E33 43	33S45 13	107.2	0.01	V	SAFM	01-Apr-87	OP	PBS
833	PAUL SAUER DAM	024E33 43	33S45 13	93.6	0.01	V	NENE	01-Apr-87	OP	PBS
834	PETRUS STEYN	028E19 06	27S31 00	91.6	10	V			SPA	CTY
835	PETRUS STEYN	028E19 06	27S31 00	104.5	1	V			SPA	CTY
836	PETRUS STEYN	028E19 06	27S31 00	95.5	11	V	ORANJE	01-Jan-71	OPE	CML
837	PETRUS STEYN	028E19 06	27S31 00	92.3	11	V			SPA	PBS
838	PETRUS STEYN	028E19 06	27S31 00	102.3	11	V	RSG	01-Jan-71	OPE	PBS
839	PETRUS STEYN	028E19 06	27S31 00	89.2	10	V	LESEDI	01-Jan-71	OPE	PBS
840	PETRUS STEYN	028E19 06	27S31 00	98.8	11	V	2000	01-Jan-71	OPE	PBS
841	PETRUS STEYN	028E19 06	27S31 00	105.9	11	V	SAFM	01-Jan-71	OPE	PBS
842	PHALABORWA	031E01 55	23S56 21	105.1	0.5	V	PHALABORW		LIC	CTY
843	PIET PLESSIS	024E49 55	26S14 56	92.8	7.6	V			SPA	CTY
844	PIET PLESSIS	024E49 55	26S14 56	96	7.6	V			SPA	CML
845	PIET PLESSIS	024E49 55	26S14 56	99.3	7.6	V			SPA	PBS
846	PIET PLESSIS	024E49 55	26S14 56	102.8	7.6	V	RSG	01-Apr-86	OPE	PBS
847	PIET PLESSIS	024E49 55	26S14 56	104	7.6	V			SP	PBS
848	PIET PLESSIS	024E49 55	26S14 56	89.7	7.6	V	MOTSW	01-Apr-86	OPE	PBS
849	PIET PLESSIS	024E49 55	26S14 56	106.4	7.6	V	SAFM	01-Apr-86	OPE	PBS
850	PIET RETIEF	030E41 03	27S01 11	89	8.9	V	M-POWER		LIC	CML
851	PIET RETIEF	030E41 03	27S01 11	98.6	9	V			SPA	CTY
852	PIET RETIEF	030E41 03	27S01 11	107.4	5	V			SPA	CTY
853	PIET RETIEF	030E41 03	27S01 11	95.3	9	V	JAKR	01-Sep-65	OPE	CML
854	PIET RETIEF	030E41 03	27S01 11	102.1	9	V	RSG	01-Sep-65	OPE	PBS
855	PIET RETIEF	030E41 03	27S01 11	105.7	9	V	SAFM	01-Sep-65	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
856	PIET RETIEF	030E41 03	27S01 11	92.1	9	V	UKHOZI	01-Sep-65	OPE	PBS
857	PIETERMARITZBURG	030E19 49	29S34 47	98.5	0.3	V	P4 DBN	2-May-00	OPE	CML
858	PIETERMARITZBURG	030E19 49	29S34 47	107.6	0.3	V	UMGUNGUND		LIC	CTY
859	PIETERMARITZBURG	030E19 49	29S34 47	94.6	0.3	V	ECOAST	01-Apr-74	OP	CML
860	PIETERMARITZBURG	030E19 49	29S34 47	101.4	0.3	V	RSG	01-Apr-74	OP	PBS
861	PIETERMARITZBURG	030E19 49	29S34 47	100.3	0.3	V	5-FM	01-Dec-88	OPE	PBS
862	PIETERMARITZBURG	030E19 49	29S34 47	88.3	0.3	V	LOTUS	01-Apr-74	OP	PBS
863	PIETERMARITZBURG	030E19 49	29S34 47	97.9	0.3	V	2000	01-Apr-74	OP	PBS
864	PIETERMARITZBURG	030E19 49	29S34 47	105	0.3	V	SAFM	01-Apr-74	OP	PBS
865	PIETERMARITZBURG	030E19 49	29S34 47	91.4	0.3	V	UKHOZI	01-Apr-74	OP	PBS
866	PIETERSBURG	029E44 18	23S53 13	103.8	0.1	V	TURF	08-Mar-97	OP	CTY
867	PIKETBERG	018E44 19	32S49 09	107.6	0.5	V			SP	CTY
868	PIKETBERG	018E44 19	32S49 09	92.3	0.5	V			SP	CTY
869	PIKETBERG	018E44 19	32S49 09	94.3	10	V	K- FM	01-Jul-65	OPE	CML
870	PIKETBERG	018E44 19	32S49 09	88	10	V			SPA	PBS
871	PIKETBERG	018E44 19	32S49 09	101.1	10	V	RSG	01-Jul-65	OPE	PBS
872	PIKETBERG	018E44 19	32S49 09	97.6	10	V	2000	01-Jul-65	OPE	PBS
873	PIKETBERG	018E44 19	32S49 09	104.7	10	V	SAFM	01-Jul-65	OPE	PBS
874	PIKETBERG	018E44 19	32S49 09	91.1	10	V	NENE	01-Jan-94	OPE	PBS
875	PILANESBERG	027E05 35	25S21 07	93.3	1	H			SPA	CTY
876	PILANESBERG	027E05 35	25S21 07	96.5	1	H			SPA	PBS
877	PILANESBERG	027E05 35	25S21 07	90.2	1.5	H	MOTSW	1-Apr-98	OPE	PBS
878	PLATFONTEIN	024E39 18	28S42 26	107.9	0.2	V	XKFM	27/03/2003	OPE	PBS
879	PLETTENBERG BAY	023E22 30	34S03 32	87.7	1	V			SP	CTY
880	PLETTENBERG BAY	023E22 30	34S03 32	107.5	1	V			SP	CML
881	PLETTENBERG BAY	023E22 30	34S03 32	94	0.05	V	ALGOA	01-Jan-94	OP	CML
882	PLETTENBERG BAY	023E22 30	34S03 32	97.3	0.05	V			SP	PBS
883	PLETTENBERG BAY	023E22 30	34S03 32	100.8	0.05	V	RSG	01-Jan-94	OP	PBS
884	PLETTENBERG BAY	023E22 30	34S03 32	104.4	0.05	V	SAFM	01-Jan-94	OP	PBS
885	PLETTENBERG BAY	023E22 30	34S03 32	90.8	0.05	V	NENE	01-Jan-94	OP	PBS
886	POFADDER	018E56 25	29S14 30	89.7	5	H			SPA	CTY
887	POFADDER	018E56 25	29S14 30	99.3	5	H			SPA	CTY
888	POFADDER	018E56 25	29S14 30	96	5	H	K- FM	01-Dec-78	OPE	CML
889	POFADDER	018E56 25	29S14 30	92.8	5	H			SPA	PBS
890	POFADDER	018E56 25	29S14 30	102.8	5	H	RSG	01-Dec-78	OPE	PBS
891	POFADDER	018E56 25	29S14 30	106.4	5	H	SAFM	01-Dec-78	OPE	PBS
892	POMFRET	023E34 44	25S49 52	91.1	5	H			SPA	CTY
893	POMFRET	023E34 44	25S49 52	94.3	5	H			SPA	CML
894	POMFRET	023E34 44	25S49 52	88	5	H			SPA	CTY
895	POMFRET	023E34 44	25S49 52	97.6	5	H			SPA	PBS
896	POMFRET	023E34 44	25S49 52	101.1	5	H	RSG	01-Apr-78	OPE	PBS
897	POMFRET	023E34 44	25S49 52	104.7	5	H	SAFM	01-Apr-78	OPE	PBS
898	PORT ELIZABETH	025E26 29	33S56 10	97	1	V	NKQUB	07-May-04	OPE	CTY
899	PORT ELIZABETH	025E26 29	33S56 10	103.8	1	V	KINGFISHER		LIC	CTY
900	PORT ELIZABETH	025E26 29	33S56 10	93.8	1	V			SP	CML
901	PORT ELIZABETH	025E26 29	33S56 10	95.5	16	V	ALGOA	01-Nov-63	OPE	CML
902	PORT ELIZABETH	025E26 29	33S56 10	102.3	16	V	RSG	01-Nov-63	OPE	PBS
903	PORT ELIZABETH	025E26 29	33S56 10	89.2	16	V	5-FM	01-Jul-87	OPE	PBS
904	PORT ELIZABETH	025E26 29	33S56 10	100.5	16	V	METRO	01-Apr-92	OP	PBS
905	PORT ELIZABETH	025E26 29	33S56 10	98.8	16	V	2000	01-Nov-63	OPE	PBS
906	PORT ELIZABETH	025E26 29	33S56 10	105.9	16	V	SAFM	01-Nov-63	OPE	PBS
907	PORT ELIZABETH	025E26 29	33S56 10	92.3	16	V	NENE	01-Nov-63	OPE	PBS
908	PORT ELIZABETH	025E26 29	33S56 10	98.3	16	V	LOTUS	11-May-06	LIC	PBS
909	PORT ELIZABETH 1	025E41 00	33S59 05	107.9	0.1	V	CAMPUS BAY		OPE	CTY
910	PORT SHEPSTONE	030E17 17	30S44 07	97	1	V	SUNNYSTH	01-Sep-04	OPE	CTY
911	PORT SHEPSTONE	030E17 17	30S44 07	103.5	10	V	IGAGASI FM		LIC	CML
912	PORT SHEPSTONE	030E17 17	30S44 07	94.5	10	V	ECOAST	01-May-67	OPE	CML

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
913	PORT SHEPSTONE	030E17 17	30S44 07	101.3	10	V	RSG	01-May-63	OPE	PBS
914	PORT SHEPSTONE	030E17 17	30S44 07	88.2	10	V	LOTUS	01-Jan-94	OPE	PBS
915	PORT SHEPSTONE	030E17 17	30S44 07	97.8	10	V	2000	01-May-63	OP	PBS
916	PORT SHEPSTONE	030E17 17	30S44 07	104.9	10	V	SAFM	01-May-63	OPE	PBS
917	PORT SHEPSTONE	030E17 17	30S44 07	91.3	10	V	UKHOZI	01-May-63	OPE	PBS
918	PORTST JOHN	029E31 39	31S36 39	103.7	3	V	RSG	01-Jan-92	OPE	PBS
919	PORTST JOHN	029E31 39	31S36 39	100.2	3	V	2000	01-Jan-92	OPE	PBS
920	PORTST JOHN	029E31 39	31S36 39	107.3	3	V	SAFM	01-Jan-92	OPE	PBS
921	PORTST JOHN	029E31 39	31S36 39	93.7	3	V	NENE	1-Dec-97	OPE	PBS
922	PORTST JOHNS	029E31 39	31S36 39	96.9	3	V			SPA	CML
923	PORTST JOHNS	029E31 39	31S36 39	90.6	1	V			SPA	CTY
924	POSTMASBURG	023E07 34	28S18 43	103.9	10	V			SP	CTY
925	POTCHEFSTROOM	027E05 33	26S41 30	93.6	0.001	V	RADIO PUK		LIC	CTY
926	POTCHEFSTROOM	027E04 32	26S41 46	97.1	0.05	V	ORANJE	01-Jan-94	OP	CML
927	POTCHEFSTROOM	027E03 56	26S43 15	103.9	0.02	V	AGANANG		LIC	CTY
928	POTGIETERSRUS	029E14 10	24S09 24	89.7	1	V			SP	CML
929	POTGIETERSRUS	029E14 10	24S09 24	96	10	V	CAPRICORN		LIC	CML
930	POTGIETERSRUS	029E14 10	24S09 24	94.6	10	V	JAKR	01-Sep-66	OPE	CML
931	POTGIETERSRUS	029E14 10	24S09 24	101.4	10	V	RSG	01-Sep-66	OPE	PBS
932	POTGIETERSRUS	029E14 10	24S09 24	91.4	10	V	5-FM	01-Sep-66	OPE	PBS
933	POTGIETERSRUS	029E14 10	24S09 24	104.1	10	V	IKWE	10-Sep-99	OPE	PBS
934	POTGIETERSRUS	029E14 10	24S09 24	106.7	10	V	METRO	01-Feb-93	OPE	PBS
935	POTGIETERSRUS	029E14 10	24S09 24	99.6	4	V	NENE	01-Sep-66	OPE	PBS
936	POTGIETERSRUS	029E14 10	24S09 24	103.1	4	V	PHALA	01-Sep-66	OPE	PBS
937	POTGIETERSRUS	029E14 10	24S09 24	97.9	10	V	2000	01-Sep-66	OPE	PBS
938	POTGIETERSRUS	029E14 10	24S09 24	105	10	V	SAFM	01-Sep-66	OPE	PBS
939	POTGIETERSRUS	029E14 10	24S09 24	88.3	10	V	THOBELA	01-Sep-66	OPE	PBS
940	POTGIETERSRUS 1	029E11 17	24S05 32	100	10	V	YSTERBERG	30-Apr-95	OP	CTY
941	PRETORIA	027E59 03	25S41 20	98.9	11	V			SP	CML
942	PRETORIA	027E59 03	25S41 20	106	11	V	RADIO 702		OP	CML
943	PRETORIA	027E59 03	25S41 20	94.2	33	V	JAKR	01-Jun-62	OPE	CML
944	PRETORIA	027E59 03	25S41 20	101	33	V	RSG	01-Jun-62	OPE	PBS
945	PRETORIA	027E59 03	25S41 20	89.3	11	V	LIGWA	01-Jan-94	OPE	PBS
946	PRETORIA	027E59 03	25S41 20	92.4	11	V	METRO	1-Jan-92	OPE	PBS
947	PRETORIA	027E59 03	25S41 20	91	33	V	MOTSW	01-Jun-62	OPE	PBS
948	PRETORIA	027E59 03	25S41 20	95.6	11	V	NENE	01-Jan-94	OPE	PBS
949	PRETORIA	027E59 03	25S41 20	97.5	33	V	2000	01-Jun-62	OPE	PBS
950	PRETORIA	027E59 03	25S41 20	104.6	33	V	SAFM	01-Jun-62	OPE	PBS
951	PRETORIA	027E59 03	25S41 20	87.9	33	V	THOBELA	01-Jun-62	OPE	PBS
952	PRETORIA	027E59 03	25S41 20	102.4	11	V	UKHOZI	10-Sep-99	OPE	PBS
953	PRETORIA	027E59 03	25S41 20	96.8	33	V	WEZI	07-Oct-05	OPE	PBS
954	PRETORIA	028E10 29	25S41 26	103	0.1	V	IMPACT	01-Sep-95	OP	CTY
955	PRETORIA NORTH	028E10 07	25S41 25	89.9	0.02	V	5-FM	01-Oct-86	OP	PBS
956	PRETORIA TECH	028E09 30	25S43 40	93.6	0.1		TOP STEREO	31-Mar-04	OPE	CTY
957	PRIESKA	022E36 57	29S40 52	87.7	9	V			SPA	CTY
958	PRIESKA	022E36 57	29S40 52	94	9	V	ORANJE	01-Jan-73	OPE	CML
959	PRIESKA	022E36 57	29S40 52	97.3	9	V			SPA	PBS
960	PRIESKA	022E36 57	29S40 52	100.8	9	V	RSG	1-Jan-73	OPE	PBS
961	PRIESKA	022E36 57	29S40 52	104.4	9	V	SAFM	01-Jan-73	OPE	PBS
962	PRIESKA	022E36 57	29S40 52	90.8	9	V	NENE	01-Jan-94	OPE	PBS
963	PRINCE ALBERT	022E01 48	33S14 07	101.2	0.01	V	RSG		OPE	PBS
964	PUNDA MARIA	030E59 19	22S43 28	102.4	5	V			SPA	CTY
965	PUNDA MARIA	030E59 19	22S43 28	106	5	V			SPA	CTY
966	PUNDA MARIA	030E59 19	22S43 28	95.6	5	V			SPA	CML
967	PUNDA MARIA	030E59 19	22S43 28	98.9	5	V			SPA	CML
968	PUNDA MARIA	030E59 19	22S43 28	89.3	5	V			SPA	PBS
969	PUNDA MARIA	030E59 19	22S43 28	92.4	5	V			SPA	PBS

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NO	TRANSMITTING	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
	STATION NAME	LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
970	PUNDA MARIA	030E59 19	22S43 28	91	4	V	NENE	01-Aug-78	OPE	PBS
971	PUNDA MARIA	030E59 19	22S43 28	87.9	4	V	PHALA	01-Aug-78	OPE	PBS
972	QOKAMA	028E10 21	31S50 45	93.9	10	V			SP	CML
973	QOKAMA	028E10 21	31S50 45	90.7	10	V	NENE		LI	PBS
974	QUDENI	030E51 59	28S38 03	107.4	30	V	UKHOZI	21-Jan-02	OPE	PBS
975	QUEENSTOWN	026E47 05	31S43 56	90.6	1	V			SP	CTY
976	QUEENSTOWN	026E47 05	31S43 56	93.7	0.1	V			SP	CTY
977	QUEENSTOWN	026E47 05	31S43 56	104.2	12	V			SP	CML
978	QUEENSTOWN	026E47 05	31S43 56	95.4	12	V	ALGOA	01-Oct-65	OPE	CML
979	QUEENSTOWN	026E47 05	31S43 56	102.2	12	V	RSG	01-Oct-65	OPE	PBS
980	QUEENSTOWN	026E47 05	31S43 56	107.6	12	V			SP	PBS
981	QUEENSTOWN	026E47 05	31S43 56	98.7	12	V	2000	01-Oct-65	OPE	PBS
982	QUEENSTOWN	026E47 05	31S43 56	97.8	2	V	CISKEI	01-Nov-86	OP	PBS
983	QUEENSTOWN	026E47 05	31S43 56	105.8	12	V	SAFM	01-Oct-65	OPE	PBS
984	QUEENSTOWN	026E47 05	31S43 56	92.2	12	V	NENE	01-Oct-65	OPE	PBS
985	RICHMOND	024E06 18	31S17 52	96.8	2	V			SP	CTY
986	RIETBRON	022E57 52	32S45 14	91.9	1	V			SP	CTY
987	RIVERSDALE	021E07 41	34S01 07	87.8	5	V	EDEN FM		LIC	CTY
988	RIVERSDALE	021E07 41	34S01 07	97.4	13	V			SPA	CML
989	RIVERSDALE	021E07 41	34S01 07	94.1	13	V	K- FM	01-Nov-70	OPE	CML
990	RIVERSDALE	021E07 41	34S01 07	90.9	13	V			SPA	PBS
991	RIVERSDALE	021E07 41	34S01 07	100.9	13	V	RSG	01-Jul-66	OPE	PBS
992	RIVERSDALE	021E07 41	34S01 07	104.5	13	V	SAFM	01-Jul-66	OPE	PBS
993	ROODEPOORT1	027E51 45	26S09 14	90.7	0.1	M	RAINBCCR	01-Jan-97	OPE	CTY
994	ROODEPOORT2	027E51 00	26S07 34	90.7	0.1	M	WESTRAND	01-Jan-97	OPE	CTY
995	ROSEDALE	021E14 39	28S26 53	98.2	1	V	RIVERSIDE		OPE	CTY
996	RUSTENBURG	027E07 06	25S36 56	89.8	4	V	RADIO NW		SPA	CML
997	RUSTENBURG	027E07 06	25S36 56	93.9	6	V	JAKR	01-Jun-62	OPE	CML
998	RUSTENBURG	027E07 06	25S36 56	90.7	6	V			SPA	PBS
999	RUSTENBURG	027E07 06	25S36 56	100.7	6	V	RSG	01-Jun-62	OPE	PBS
1000	RUSTENBURG	027E07 06	25S36 56	87.6	6	V	MOTSW	01-Jun-62	OPE	PBS
1001	RUSTENBURG	027E07 06	25S36 56	97.2	6	V	2000	01-Jun-62	OPE	PBS
1002	RUSTENBURG	027E07 06	25S36 56	104.3	6	V	SAFM	01-Jun-62	OPE	PBS
1003	RUSTENBURG 1	027E11 07	25S37 05	93.4	0.5	V	MAFISA	09-Jan-97	OP	CTY
1004	SABIE	030E45 34	25S07 44	88.6	0.02	V			SP	CTY
1005	SABIE	030E45 34	25S07 44	90.5	0.5	V			SPA	CTY
1006	SABIE	030E45 34	25S07 44	100.1	0.5	V			SPA	CTY
1007	SABIE	030E45 34	25S07 44	97.1	0.02	V	JAKR	01-Sep-91	OP	CML
1008	SABIE	030E45 34	25S07 44	104.2	0.02	V	RSG	01-Sep-91	OP	PBS
1009	SABIE	030E45 34	25S07 44	107.9	0.02	V	SAFM	01-Sep-91	OP	PBS
1010	SASOLBURG	027E49 35	26S47 45	93.7	0.5	V	ORANJE	05-Oct-04	OPE	CML
1011	SASOLBURG	027E51 00	26S47 00	103.7	2	V			SPA	CTY
1012	SATARA	031E45 00	24S25 00	99.4	1	V			SPA	CTY
1013	SCHMIDTSDRIFT	023E58 47	28S48 50	99.4	0.02	V	XKFM	18-Aug-00	OPE	PBS
1014	SCHWEIZER RENEKE	025E13 07	27S08 13	93.1	10	V			SPA	CTY
1015	SCHWEIZER RENEKE	025E13 07	27S08 13	96.3	10	V	ORANJE	01-Aug-73	OPE	CML
1016	SCHWEIZER RENEKE	025E13 07	27S08 13	97.3	10	V	RADIO NW		OPE	CML
1017	SCHWEIZER RENEKE	025E13 07	27S08 13	103.1	10	V	RSG	01-Aug-73	OPE	PBS
1018	SCHWEIZER RENEKE	025E13 07	27S08 13	90	10	V	MOTSW	01-Aug-73	OPE	PBS
1019	SCHWEIZER RENEKE	025E13 07	27S08 13	99.6	10	V	2000	01-Aug-73	OPE	PBS
1020	SCHWEIZER RENEKE	025E13 07	27S08 13	106.7	10	V	SAFM	01-Aug-73	OPE	PBS
1021	SEA POINT	018E23 51	33S54 33	103.5	0.02	V	RSG	01-Oct-66	OPE	PBS
1022	SEA POINT	018E23 51	33S54 33	90.4	0.02	V	5-FM	01-Nov-88	OPE	PBS
1023	SEA POINT	018E23 51	33S54 33	91.7	0.02	V	METRO	01-Jan-94	OPE	PBS
1024	SEA POINT	018E23 51	33S54 33	100	0.02	V	2000	01-Oct-66	OPE	PBS
1025	SEA POINT	018E23 51	33S54 33	96.7	0.02	V	GOODHOPE	01-Oct-66	OPE	PBS
1026	SEA POINT	018E23 51	33S54 33	107.1	0.02	V	SAFM	01-Oct-66	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1027	SEA POINT	018E23 51	33S54 33	93.5	0.02	V	NENE	01-Oct-66	OPE	PBS
1028	SECUNDA	029E04 42	26S30 24	104.9	1	V			SPA	CTY
1029	SECUNDA 1	029E12 16	26S29 40	102.9	0.2	V			SPA	CTY
1030	SECUNDA 1	029E12 16	26S29 40	99.4	0.2	V			SPA	CTY
1031	SENEKAL	027E30 26	28S15 19	91.1	10	V			SPA	CTY
1032	SENEKAL	027E30 26	28S15 19	103.9	0.5	V	NALEDI	17-Jul-00	OPE	CTY
1033	SENEKAL	027E30 26	28S15 19	94.3	12	V	ORANJE	01-May-66	OPE	CML
1034	SENEKAL	027E30 26	28S15 19	101.1	12	V	RSG	01-May-66	OPE	PBS
1035	SENEKAL	027E30 26	28S15 19	88	10	V	LESEDI	01-May-66	OPE	PBS
1036	SENEKAL	027E30 26	28S15 19	97.6	12	V	2000	01-Jul-88	OPE	PBS
1037	SENEKAL	027E30 26	28S15 19	104.7	12	V	SAFM	01-May-66	OP	PBS
1038	SESHEGO	029E18 28	23S45 47	98.6	1	V	MOLETSI		OPE	CTY
1039	SEVERN	022E51 25	26S35 21	98.7	0.02	V	MOTSW		LIC	PBS
1040	SIBASA	030E26 54	22S56 57	89.9	5.6	V	CAPRICORN		LIC	CML
1041	SIBASA	030E26 54	22S56 57	103.3	0.4	V			SPA	CTY
1042	SIBASA	030E26 54	22S56 57	106.9	6	V	PHALA	1-Dec-97	OPE	PBS
1043	SIBASA 1	030E26 50	22S57 15	99.8	0.2	V	UNIVEN	01-Apr-97	OPE	CTY
1044	SIMONSTOWN	018E25 37	34S11 54	102.4	0.08	V			SP	CML
1045	SIMONSTOWN	018E25 37	34S11 54	89.3	0.08	V			SP	CML
1046	SIMONSTOWN	018E25 37	34S11 54	90.7	0.075	V			SPA	CTY
1047	SIMONSTOWN	018E25 37	34S11 54	106	0.08	V			SP	PBS
1048	SIMONSTOWN	018E25 37	34S11 54	100.7	0.08	V	RSG	01-May-69	OPE	PBS
1049	SIMONSTOWN	018E25 37	34S11 54	87.6	0.08	V	5-FM	01-May-88	OPE	PBS
1050	SIMONSTOWN	018E25 37	34S11 54	97.2	0.08	V	2000	01-May-69	OPE	PBS
1051	SIMONSTOWN	018E25 37	34S11 54	93.9	0.08	V	GOODHOPE	01-May-69	OPE	PBS
1052	SIMONSTOWN	018E25 37	34S11 54	104.3	0.08	V	SAFM	01-May-69	OPE	PBS
1053	SMITHFIELD	026E21 56	29S55 43	100	2	V			SPA	CTY
1054	SMITHFIELD	026E21 56	29S55 43	107.1	10	V			SPA	CTY
1055	SMITHFIELD	026E21 56	29S55 43	93.5	50	V			SPA	PBS
1056	SMITHFIELD	026E21 56	29S55 43	90.4	50	V			SPA	PBS
1057	SMITHFIELD	026E21 56	29S55 43	96.7	50	V			SPA	PBS
1058	SMITHFIELD	026E21 56	29S55 43	103.5	50	V			SPA	PBS
1059	SOSHANGUVE	028E06 24	25S30 53	93	0.1	V	SOSH	01-Feb-96	OPE	CTY
1060	SOSHANGUVE 1	028E05 55	25S32 16	96.2	0.01	V	TNG	15-Jul-95	OP	CTY
1061	SOWETO	027E50 42	26S10 48	105.8	0.1	V	SOWETO	01-Aug-95	OP	CTY
1062	SPRINGBOK	017E48 29	29S35 04	98.1	50	V			SPA	CTY
1063	SPRINGBOK	017E48 29	29S35 04	91.6	50	V			SPA	CTY
1064	SPRINGBOK	017E48 29	29S35 04	94.8	17	V	K- FM	01-Feb-78	OPE	CML
1065	SPRINGBOK	017E48 29	29S35 04	88.5	50	V			SPA	PBS
1066	SPRINGBOK	017E48 29	29S35 04	101.6	10	V	RSG	01-Feb-78	OPE	PBS
1067	SPRINGBOK	017E48 29	29S35 04	105.2	10	V	SAFM	01-Feb-78	OPE	PBS
1068	SPRINGFONTEIN	025E46 08	30S16 14	95.8	10	V			SPA	CML
1069	SPRINGFONTEIN	025E46 08	30S16 14	97.3	1	V			SP	CTY
1070	SPRINGFONTEIN	025E46 08	30S16 14	102.6	10	V	RSG	01-Oct-69	OPE	PBS
1071	SPRINGFONTEIN	025E46 08	30S16 14	89.5	10	V	LESEDI	01-Oct-69	OPE	PBS
1072	SPRINGFONTEIN	025E46 08	30S16 14	99.1	10	V	2000	01-Oct-69	OPE	PBS
1073	SPRINGFONTEIN	025E46 08	30S16 14	106.2	10	V	SAFM	01-Oct-69	OP	PBS
1074	SPRINGFONTEIN	025E46 08	30S16 14	92.6	10	V	NENE	01-Jan-94	OPE	PBS
1075	SPRINGS	028E21 17	26S15 03	93.9	0.25	V	EASTRAND	27-Oct-97	OP	CTY
1076	SPRUITVIEW	028E12 32	26S20 31	97.1	0.2	V	KATHORUS		LIC	CTY
1077	STANDERTON	029E12 00	26S57 00	100.2	0.5	V			SPA	CTY
1078	STEINKOPF	017E35 00	29S05 00	99	10	V			SPA	CTY
1079	STELLENBOSCH	018E52 11	33S54 56	103.6	0.02	V	P4 CT	30-Jun-99	OPE	CML
1080	STELLENBOSCH	018E52 11	33S54 56	100.9	0.02	V	RSG	01-Nov-77	OPE	PBS
1081	STELLENBOSCH	018E52 11	33S54 56	87.8	0.02	V	5-FM	01-Dec-88	OPE	PBS
1082	STELLENBOSCH	018E52 11	33S54 56	97.4	0.02	V	2000	01-Nov-77	OPE	PBS
1083	STELLENBOSCH	018E52 11	33S54 56	94.1	0.02	V	GOODHOPE	01-Nov-77	OPE	PBS

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NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1084	STELLENBOSCH	018E52 11	33S54 56	104.5	0.02	V	SAFM	01-Nov-77	OPE	PBS
1085	STELLENBOSCH	018E52 11	33S54 56	90.9	0.02	V	NENE	01-Nov-77	OPE	PBS
1086	STELLENBOSCH 1	018E52 15	33S55 54	92.6	0.05	V	MATIE	08-May-95	OP	CTY
1087	STERKSPRUIT	027E16 14	30S41 44	107.9	8	V	EKHEPHENI		LIC	CTY
1088	STERKSPRUIT	027E16 14	30S41 44	100.4	8	V			SP	CML
1089	STERKSPRUIT	027E16 14	30S41 44	103.7	8	V	NENE	1-Dec-97	OPE	PBS
1090	STEYTLERVILLE	024E22 00	33S19 00	88.4	1	V			SPA	CTY
1091	STEYTLERVILLE	024E22 00	33S19 00	98	1	V			SPA	CTY
1092	STEYTLERVILLE	024E22 00	33S19 00	94.7	20	V			SPA	CML
1093	STEYTLERVILLE	024E22 00	33S19 00	101.5	1	V			SPA	CTY
1094	STEYTLERVILLE	024E22 00	33S19 00	91.5	20	V			SPA	PBS
1095	STEYTLERVILLE	024E22 00	33S19 00	105.1	20	V			SPA	PBS
1096	STRAALHOEK	029E50 53	30S20 49	88.8	5	V			SPA	CTY
1097	STRAALHOEK	029E50 53	30S20 49	95.1	9	V	UKHOZI	1-Jun-99	OPE	PBS
1098	STRAALHOEK	029E50 53	30S20 49	91.9	8.9	V	NENE	1-Dec-97	OP	PBS
1099	SUNNYSIDE	028E12 24	25S45 53	90.5	0.1	V	RIPPEL	1-Aug-95	OPE	CTY
1100	SUNNYSIDE	028E12 24	25S45 53	107.2	0.1	V	TUKS	01-May-95	OPE	CTY
1101	SUNNYSIDE	028E12 24	25S45 53	103.6	0.1	V	5-FM	01-Jan-90	OP	PBS
1102	SUNNYSIDE	028E12 24	25S45 53	100.1	0.1	V	LOTUS	01-Jan-90	OP	PBS
1103	SUPINGSTAD	026E01 36	24S47 20	107.9	0.025	V			SP	CTY
1104	SUPINGSTAD	026E01 36	24S47 20	100.5	3	V	MOTSW	1-Apr-98	OP	PBS
1105	SUPINGSTAD	026E01 36	24S47 20	104.2	3	V			SP	PBS
1106	SUURBERG	025E34 29	33S14 55	95	11	V	ALGOA	01-Jun-72	OPE	CML
1107	SUURBERG	025E34 29	33S14 55	98.3	11	V			SPA	PBS
1108	SUURBERG	025E34 29	33S14 55	101.8	11	V	RSG	01-Jun-72	OPE	PBS
1109	SUURBERG	025E34 29	33S14 55	105.4	11	V	SAFM	01-Jun-72	OPE	PBS
1110	SUURBERG	025E34 29	33S14 55	91.8	11	V	NENE	01-Jun-72	OPE	PBS
1111	TABLE MOUNTAIN	018E24 13	33S57 25	102.6	0.02	V	RSG	01-Jan-63	OP	PBS
1112	TABLE MOUNTAIN	018E24 13	33S57 25	89.9	0.02	V	5-FM	01-Oct-88	OPE	PBS
1113	TABLE MOUNTAIN	018E24 13	33S57 25	88.6	0.02	V	METRO	01-Jan-94	OP	PBS
1114	TABLE MOUNTAIN	018E24 13	33S57 25	99.1	0.02	V	2000	01-Jan-63	OP	PBS
1115	TABLE MOUNTAIN	018E24 13	33S57 25	95.8	0.02	V	GOODHOPE	01-Jan-63	OP	PBS
1116	TABLE MOUNTAIN	018E24 13	33S57 25	106.2	0.02	V	SAFM	01-Jan-63	OP	PBS
1117	TABLE MOUNTAIN	018E24 13	33S57 25	92.5	0.02	V	NENE	01-Jan-63	OP	PBS
1118	TAUNG	024E37 00	27S31 30	91.9	5	H	RADIO NW		OPE	CML
1119	TAUNG	024E37 00	27S31 30	95.1	5	H			SPA	CTY
1120	TAUNG	024E37 00	27S31 30	93.6	0.5	H	VAALT	16-Apr-03	OPE	CTY
1121	TAUNG	024E37 00	27S31 30	88.8	3	H	MOTSW	1-Apr-98	OPE	PBS
1122	TEMBISA	028E 13 00	26 00 45	87.6	0.1	V	TEMBISA		OP	CTY
1123	THABA NCHU	026E45 45	29S15 24	107 4	1	V	MOSUPA	13-Jun-03	OPE	CTY
1124	THABA NCHU	026E45 45	29S15 24	87.8	10	V	LESEDI	31-May-99	OPE	PBS
1125	THABA NCHU	026E45 45	29S15 24	100.3	20	V	MOTSW	1-Apr-98	OPE	PBS
1126	THABA NCHU	026E45 45	29S15 24	103.8	20	V			SPA	PBS
1127	THABAZIMBI	027E35 31	24S28 10	103.7	0.2	V	KRANSB	30-Apr-97	OP	CTY
1128	THABAZIMBI	027E36 51	24S27 59	97.4	0.25	V	THABAZIMBI		OPE	CTY
1129	THABAZIMBI	027E36 51	24S27 59	95.1	11	V	JAKR	01-Mar-73	OPE	CML
1130	THABAZIMBI	027E36 51	24S27 59	101.9	11	V	RSG	01-Mar-73	OPE	PBS
1131	THABAZIMBI	027E36 51	24S27 59	88.8	11	V	MOTSW	01-Mar-73	OPE	PBS
1132	THABAZIMBI	027E36 51	24S27 59	98.4	11	V	2000	01-Aug-88	OPE	PBS
1133	THABAZIMBI	027E36 51	24S27 59	105.5	11	V	SAFM	01-Mar-73	OPE	PBS
1134	THABAZIMBI	027E36 51	24S27 59	92.1	11	V	THOBELA	01-Jan-94	OPE	PBS
1135	THE BLUFF	031E00 45	29S54 40	95.2	0.1	V	ECOAST	01-Feb-78	OPE	CML
1136	THE BLUFF	031E00 45	29S54 40	105.1	0.1	V	DBNYR	08-Aug-95	OP	CTY
1137	THE BLUFF	031E00 45	29S54 40	102	0.1	V	RSG	01-Feb-78	OPE	PBS
1138	THE BLUFF	031E00 45	29S54 40	107.4	0.1	V	5-FM	1-Aug-88	OPE	PBS
1139	THE BLUFF	031E00 45	29S54 40	88.9	0.1	V	LOTUS	01-Jan-83	OPE	PBS
1140	THE BLUFF	031E00 45	29S54 40	98.5	0.1	V	2000	01-Feb-78	OPE	PBS

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		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1141	THE BLUFF	031E00 45	29S54 40	105.6	0.1	V	SAFM	01-Feb-78	OPE	PBS
1142	THE BLUFF	031E00 45	29S54 40	92	0.1	V	UKHOZI	01-Feb-78	OPE	PBS
1143	THE HAVEN	028E42 00	32S13 00	92.8	5	V			SPA	CTY
1144	THE HAVEN	028E42 00	32S13 00	96	5	V			SPA	CTY
1145	THE HAVEN	028E42 00	32S13 00	89.7	5	V			SPA	PBS
1146	THEUNISSEN	026E34 50	28S11 55	104.3	0.5	V			SP	CTY
1147	THEUNISSEN	026E34 50	28S11 55	95.7	10	V	ORANJE	01-Jan-64	OPE	CML
1148	THEUNISSEN	026E34 50	28S11 55	102.5	10	V	RSG	01-Jan-64	OPE	PBS
1149	THEUNISSEN	026E34 50	28S11 55	92.5	10	V	5-FM	01-Jul-93	OPE	PBS
1150	THEUNISSEN	026E34 50	28S11 55	89.4	10	V	LESEDI	01-Jan-64	OPE	PBS
1151	THEUNISSEN	026E34 50	28S11 55	99	10	V	2000	01-Jan-64	OPE	PBS
1152	THEUNISSEN	026E34 50	28S11 55	106.1	10	V	SAFM	01-Jan-64	OPE	PBS
1153	THEUNISSEN	026E34 50	28S11 55	93.8	10	V	NENE	01-Dec-93	OP	PBS
1154	THLABANE	027E11 39	25S37 16	96.2	0.065	V			SP	CTY
1155	THLABANE	027E11 39	25S37 16	95	0.065	V			SP	CTY
1156	TOLWE	028E27 29	23S04 59	88.5	10	V	THOBELA	19-Dec-01	OPE	PBS
1157	TSHAMAVUDZI	030E31 42	22S39 15	104	0.8	V			SPA	CTY
1158	TSHAMAVUDZI	030E31 42	22S39 15	107.5	0.8	V			SPA	PBS
1159	TSHAMAVUDZI	030E31 42	22S39 15	100.5	0.25	V	PHALA	1-Dec-97	OPE	PBS
1160	TSILWANA	023E04 38	26S24 54	93.7	10	V			SPA	CTY
1161	TSILWANA	023E04 38	26S24 54	96.9	10	V			SPA	CTY
1162	TSILWANA	023E04 38	26S24 54	90.6	10	V			SPA	PBS
1163	TUBATSE	030E19 47	24S40 08	93.4	0.2	V	TUBATSE		LIC	CTY
1164	TYGERBERG	018E35 46	33S52 29	104.9	1.3	V	P4 CT	14-Aug-97	OPE	CML
1165	TYGERBERG	018E35 46	33S52 29	101.3	0.5	V	BUSH RADIO	01-Jul-95	LIC	CTY
1166	TYGERBERG	018E35 46	33S52 29	107.5	0.25	V	CCFM	10-Aug-95	OPE	CTY
1167	TYGERBERG	018E35 46	33S52 29	91.3	1.3	V			SP	CML
1168	TYGERBERG	018E35 46	33S52 29	100.4	0.25	V	VOC		OP	CTY
1169	TYGERBERG	018E35 46	33S52 29	89.5	0.25	V	RCFL	1-Aug-95	OP	CTY
1170	TYGERBERG	018E35 46	33S52 29	104	0.25	V	TYGBERG	01-Aug-95	OP	CTY
1171	TYGERBERG	018E35 46	33S52 29	94.5	1.3	V	K- FM	01-Jun-93	OP	CML
1172	TYGERBERG	018E35 46	33S52 29	103	1.3	V	RSG	01-Jun-91	OP	PBS
1173	TYGERBERG	018E35 46	33S52 29	86.2	1.3	V	5-FM	1-Jun-91	OP	PBS
1174	TYGERBERG	018E35 46	33S52 29	97.8	1.3	V	LOTUS	01-Jan-94	OP	PBS
1175	TYGERBERG	018E35 46	33S52 29	93	1.3	V	METRO	01-Nov-91	OP	PBS
1176	TYGERBERG	018E35 46	33S52 29	99.5	1.3	V	2000	01-Jun-91	OP	PBS
1177	TYGERBERG	018E35 46	33S52 29	96.2	1.3	V	GOODHOPE	01-Jun-91	OP	PBS
1178	TYGERBERG	018E35 46	33S52 29	106.6	1.3	V	SAFM	01-Jun-91	OP	PBS
1179	TZANEEN	030E00 17	23S47 06	97.6	12	V	CAPRICORN		OPE	CML
1180	TZANEEN	030E00 17	23S47 06	100.3	2	V	SEGOSESE	21-Sep-04	OPE	CTY
1181	TZANEEN	030E00 17	23S47 06	95.8	12	V	JAKR	01-Aug-69	OP	CML
1182	TZANEEN	030E00 17	23S47 06	102.6	12	V	RSG	01-Aug-69	OP	PBS
1183	TZANEEN	030E00 17	23S47 06	92.6	12	V	NENE	01-Aug-69	OP	PBS
1184	TZANEEN	030E00 17	23S47 06	99.1	12	V	PHALA	01-May-85	OP	PBS
1185	TZANEEN	030E00 17	23S47 06	107.7	12	V	2000	01-Aug-88	OP	PBS
1186	TZANEEN	030E00 17	23S47 06	106.2	12	V	SAFM	01-Aug-69	OP	PBS
1187	TZANEEN	030E00 17	23S47 06	89.5	12	V	THOBELA	01-Aug-69	OP	PBS
1188	UBOMBO	032E04 52	27S33 42	89.3	5	V			SPA	CML
1189	UBOMBO	032E04 52	27S33 42	107.6	0.5	V	MAPU	14-Jun-02	OPE	CTY
1190	UBOMBO	032E04 52	27S33 42	95.6	15	V	ECOAST	01-Oct-71	OPE	CML
1191	UBOMBO	032E04 52	27S33 42	102.4	15	V	RSG	01-Oct-71	OPE	PBS
1192	UBOMBO	032E04 52	27S33 42	98.9	15	V	2000	01-Oct-71	OPE	PBS
1193	UBOMBO	032E04 52	27S33 42	106	15	V	SAFM	01-Oct-71	OPE	PBS
1194	UBOMBO	032E04 52	27S33 42	92.4	15	V	UKHOZI	01-Oct-71	OPE	PBS
1195	UGIE	027E58 26	31S11 28	99.1	0.5	V			SP	CTY
1196	UGIE	027E58 26	31S11 28	89.5	0.5	V			SP	CML
1197	UGIE	027E58 26	31S11 28	95.8	0.5	V			SP	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1198	UGIE	027E58 26	31S11 28	102.6	0.5	V	RSG	01-Jun-88	OP	PBS
1199	UGIE	027E58 26	31S11 28	106.2	0.5	V	SAFM	01-Jun-88	OP	PBS
1200	UGIE	027E58 26	31S11 28	92.6	0.5	V	NENE	1-Jun-88	OP	PBS
1201	ULUNDI	031E23 38	28S27 00	94.7	50	V	IGAGASI FM		LIC	CML
1202	ULUNDI	031E23 38	28S27 00	97	1	V	UBUHLE		OPE	CTY
1203	ULUNDI	031E23 38	28S27 00	91.5	30	V	UKHOZI	10-May-02	OPE	PBS
1204	UMTATA	028E44 36	31S35 48	88.9	10	V			SPA	CML
1205	UMTATA	028E44 36	31S35 48	95.2	48	V			SPA	CML
1206	UMTATA	028E44 36	31S35 48	97	1	V	UNITRA	01-Aug-96	OP	CTY
1207	UMTATA	028E44 36	31S35 48	102	10	V	RSG	01-Jan-65	OPE	PBS
1208	UMTATA	028E44 36	31S35 48	98.5	10	V	2000	01-Jan-65	OPE	PBS
1209	UMTATA	028E44 36	31S35 48	105.6	10	V	SAFM	01-Jan-65	OPE	PBS
1210	UMTATA	026E44 36	31S35 48	92	10	V	NENE	1-Dec-97	OPE	PBS
1211	UNIONDALE	023E03 06	33S43 23	90.3	0.8	V			SPA	CTY
1212	UNIONDALE	023E03 06	33S43 23	93.4	0.8	V			SPA	CML
1213	UNIONDALE	023E03 06	33S43 23	96.6	0.8	V			SPA	CML
1214	UNIONDALE	023E03 06	33S43 23	99.9	0.8	V			SPA	PBS
1215	UNIONDALE	023E03 06	33S43 23	103.4	0.8	V	RSG	01-Apr-87	OPE	PBS
1216	UNIONDALE	023E03 06	33S43 23	107	0.8	V	SAFM	01-Apr-67	OPE	PBS
1217	UPINGTON	021E44 12	28S52 56	93.5	10	V			SPA	CML
1216	UPINGTON	021E44 12	26S52 56	94.9	8	V	ORANJE	01-May-73	OPE	CML
1219	UPINGTON	021E44 12	28S52 56	88.6	10	V			SPA	PBS
1220	UPINGTON	021E44 12	28S52 56	101.7	8	V	RSG	01-May-73	OPE	PBS
1221	UPINGTON	021E44 12	28S52 56	105.3	8	V	SAFM	01-May-73	OPE	PBS
1222	UPINGTON	021E44 12	28S52 56	91.7	8	V	NENE	01-Jan-94	OPE	PBS
1223	UPINGTON NORTH	021E11 39	27S56 42	97.1	10	V			SPA	CTY
1224	VAN RHYNSDORP	018E41 24	31S45 16	90.3	50	V			SPA	CML
1225	VAN RHYNSDORP	018E41 24	31S45 16	93.4	3	V	NAMAKW	1-Jul-96	OPE	CTY
1226	VAN RHYNSDORP	018E41 24	31S45 16	96.6	17	V	K- FM	01-Sep-72	OPE	CML
1227	VAN RHYNSDORP	018E41 24	31S45 16	99.9	50	V			SPA	PBS
1228	VAN RHYNSDORP	018E41 24	31S45 16	103.4	17	V	RSG	01-Sep-72	OPE	PBS
1229	VAN RHYNSDORP	018E41 24	31S45 16	107	17	V	SAFM	01-Sep-72	OPE	PBS
1230	VANDERBIJLPARK	027E49 10	26S39 50	102.2	0.02	V	ISCOR FM	01-Sep-97	OPE	CTY
1231	VANDERBIJLPARK 1	027E51 47	26S42 38	96.9	0.2	V	VAAL UNIV	12-May-04	OPE	CTY
1232	VENTERSTAD	025E43 00	30S57 00	90	10	V			SPA	CTY
1233	VENTERSTAD	025E43 00	30S57 00	93.1	50	V			SPA	CML
1234	VENTERSTAD	025E43 00	30S57 00	96.3	50	V			SPA	PBS
1235	VENTERSTAD	025E43 00	30S57 00	99.6	50	V			SPA	PBS
1236	VENTERSTAD	025E43 00	30S57 00	103.1	50	V			SPA	PBS
1237	VENTERSTAD	025E43 00	30S57 00	106.7	50	V			SPA	PBS
1238	VEREENIGING	027E54 42	26S40 43	90.6	0.15	V	VAAL	01-Aug-97	OP	CTY
1239	VERENA	028E56 39	25S35 20	92.8	0.5	V	KANGALA	01-Oct-95	OPE	CTY
1240	VERMAAKSKOP	025E18 29	33S38 17	88.7	1	V	EMMANUEL		LIC	CTY
1241	VERULAM	031E05 01	29S36 36	93.6	4	V	GOOD NEWS		LIC	CTY
1242	VICTORIA WEST	023E13 50	31S41 15	88	5	V			SPA	CTY
1243	VICTORIA WEST	023E13 50	31S41 15	91.1	5	V			SPA	CML
1244	VICTORIA WEST	023E13 50	31S41 15	94.3	5	V			SPA	PBS
1245	VICTORIA WEST	023E13 50	31S41 15	101.1	4	V	RSG	01-Jun-89	OPE	PBS
1246	VICTORIA WEST	023E13 50	31S41 15	104.7	4	V	SAFM	01-Jun-89	OPE	PBS
1247	VILJOENSKROON	027E09 06	27S04 24	96.1	5	V	OVERVAAL	23-Dec-97	OP	CTY
1248	VILLA NORA	028E21 00	23S42 00	87.8	10	V			SPA	CTY
1249	VILLIERS	028E36 57	27S02 08	98.7	0.02	V	LESEDI		LIC	PBS
1250	VILLIERSDORP	019E30 25	33S58 09	96.5	10	V	K- FM	01-Oct-65	OPE	CML
1251	VILLIERSDORP	019E30 25	33S58 09	90.2	10	V			SPA	PBS
1252	VILLIERSDORP	019E30 25	33S58 09	103.3	10	V	RSG	01-Oct-65	OPE	PBS
1253	VILLIERSDORP	019E30 25	33S58 09	99.8	10	V	2000	01-Oct-65	OPE	PBS
1254	VILLIERSDORP	019E30 25	33S58 09	106.9	10	V	SAFM	01-Oct-65	OPE	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1255	VILLIERSDORP	019E30 25	33S58 09	93.3	10	V	NENE	01-Jan-94	OPE	PBS
1256	VLAKWATER	028E37 18	25S19 37	91.2	1	V			SP	CTY
1257	VOLKSRUST	029E53 15	27S18 33	99.1	10	V			SPA	CTY
1258	VOLKSRUST	029E53 15	27S18 33	93.7	0.5	V			SPA	CTY
1259	VOLKSRUST	029E53 15	27S18 33	95.8	10	V	JAKR	01-Aug-66	OPE	CML
1260	VOLKSRUST	029E53 15	27S18 33	102.6	10	V	RSG	01-Aug-66	OPE	PBS
1261	VOLKSRUST	029E53 15	27S18 33	89.5	10	V	LIGWA	01-Jan-94	OPE	PBS
1262	VOLKSRUST	029E53 15	27S18 33	106.2	10	V	SAFM	01-Aug-66	OPE	PBS
1263	VOLKSRUST	029E53 15	27S18 33	92.6	10	V	UKHOZI	01-Aug-66	OPE	PBS
1264	VREDE	028E58 00	27S15 00	97.4	0.5	V			SPA	CTY
1265	VREDE	028E58 00	27S15 00	94.1	5	V			SPA	CML
1266	VREDE	028E58 00	27S15 00	90.9	5	V			SPA	PBS
1267	VREDE	028E58 00	27S15 00	87.8	5	V			SPA	PBS
1268	VRYHEID	030E47 38	27S44 27	100.3	0.5	V			SP	CTY
1269	VRYHEID	030E47 38	27S44 27	94.4	10	V	ECOAST	01-Sep-65	OPE	CML
1270	VRYHEID	030E47 38	27S44 27	88.1	10	V			SPA	PBS
1271	VRYHEID	030E47 38	27S44 27	101.2	10	V	RSG	01-Sep-65	OPE	PBS
1272	VRYHEID	030E47 38	27S44 27	97.7	10	V	2000	01-Sep-65	OPE	PBS
1273	VRYHEID	030E47 38	27S44 27	104.8	10	V	SAFM	01-Sep-65	OPE	PBS
1274	VRYHEID	030E47 38	27S44 27	91.2	10	V	UKHOZI	01-Sep-65	OPE	PBS
1275	WALBURTON	030E13 09	26S07 32	97.8	1	V	RALPHA		OPE	CTY
1276	WARRENTON	024E50 40	28S07 58	102.7	1	V	VRYHEID	23-Dec-97	OP	CTY
1277	WARRENTON 1	024E51 36	28S06 14	90.7	1	V			SP	CTY
1278	WELKOM / KROONST	026E43 56	27S56 52	90.9	1	V			SP	CTY
1279	WELKOM / KROONST	026E43 56	27S56 52	100.4	0.2	V			SP	CTY
1280	WELVERDIEND	027E14 55	26S26 47	106.5	0.2	V			SP	CTY
1281	WELVERDIEND	027E14 55	26S26 47	95.2	20	V	HVELD	01-Jun-62	OPE	CML
1282	WELVERDIEND	027E14 55	26S26 47	102	60	V	RSG	01-Jun-62	OPE	PBS
1283	WELVERDIEND	027E14 55	26S26 47	107.3	20	V	5-FM	01-Jun-62	OPE	PBS
1284	WELVERDIEND	027E14 55	26S26 47	88.9	60	V	LESEDI	01-Jun-62	OPE	PBS
1285	WELVERDIEND	027E14 55	26S26 47	92	60	V	MOTSW	01-Jun-62	OPE	PBS
1286	WELVERDIEND	027E14 55	26S26 47	98.5	60	V	2000	01-Jun-62	OPE	PBS
1287	WELVERDIEND	027E14 55	26S26 47	105.6	60	V	SAFM	01-Jun-62	OPE	PBS
1288	WELVERDIEND	027E14 55	26S26 47	104.1	20	V	UKHOZI	10-Sep-99	OPE	PBS
1289	WELVERDIEND	027E14 55	26S26 47	100.2	20	V	NENE	01-Dec-93	OP	PBS
1290	WILLISTON	020E55 08	31S19 31	99.7	0.02	V			SP	CML
1291	WILLISTON	020E55 08	31S19 31	96.4	0.02	V			SP	PBS
1292	WILLISTON	020E55 08	31S19 31	93.2	0.02	V			SP	PBS
1293	WILLISTON	020E55 08	31S19 31	103.2	0.02	V	RSG	01-Sep-91	OP	PBS
1294	WILLISTON	020E55 08	31S19 31	90.1	0.02	V			SP	PBS
1295	WILLOWMORE	023E27 36	33S14 05	91.2	4	V			SPA	CTY
1296	WILLOWMORE	023E27 36	33S14 05	88.1	4	V			SPA	CML
1297	WILLOWMORE	023E27 36	33S14 05	94.4	4	V			SPA	CML
1298	WILLOWMORE	023E27 36	33S14 05	97.7	4	V			SPA	PBS
1299	WILLOWMORE	023E27 36	33S14 05	101.2	4	V	RSG	01-Apr-87	OPE	PBS
1300	WILLOWMORE	023E27 36	33S14 05	104.8	4	V	SAFM	01-Apr-87	OPE	PBS
1301	WITSIESHOEK	028E50 52	28S31 02	91.3	1	V			SPA	CTY
1302	WITSIESHOEK	028E50 52	28S31 02	100.3	0.2	V	QWAQWA	11-Jul-00	OPE	CTY
1303	WITSIESHOEK	028E50 52	28S31 02	94.5	0.2	V			SPA	CML
1304	WITSIESHOEK	028E50 52	28S31 02	97.8	0.1	V			SPA	PBS
1305	WITSIESHOEK	028E50 52	28S31 02	101.3	0.2	V	RSG	01-Aug-72	OPE	PBS
1306	WITSIESHOEK	028E50 52	28S31 02	88.2	0.2	V	LESEDI	01-Aug-72	OPE	PBS
1307	WITSIESHOEK	028E50 52	28S31 02	104.9	0.2	V	SAFM	01-Aug-72	OPE	PBS
1308	WOLMARANSTAD	026E03 00	27S14 00	89.1	20	V			SPA	CML
1309	WOLMARANSTAD	026E03 00	27S14 00	98.7	20	V			SPA	CTY
1310	WOLMARANSTAD	026E03 00	27S14 00	95.4	20	V			SPA	PBS
1311	WOLMARANSTAD	026E03 00	27S14 00	92.2	20	V			SPA	PBS

ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1312	WOLMARANSTAD	026E03 00	27S14 00	102.2	20	V			SPA	PBS
1313	WOLMARANSTAD	026E03 00	27S14 00	105.8	20	V			SPA	PBS
1314	WOLWEFONTEIN	024E50 00	33S20 00	89.4	1	V			SPA	CTY
1315	WORCESTER	019E28 09	33S37 30	95.8	0.1	V	VOC	01-Sep-95	OP	CTY
1316	WORCESTER	019E28 09	33S37 30	92.6	0.1	V			SP	CTY
1317	WORCESTER 1	019E22 30	33S41 10	88.8	0.5	V	VALLEY		LIC	CTY
1318	ZEERUST	026E02 51	25S51 37	93.5	11	V	RADIO NW		OPE	CML
1319	ZEERUST	026E02 51	25S51 37	95.8	11	V	JAKR	01-Dec-66	OPE	CML
1320	ZEERUST	026E02 51	25S51 37	102.6	11	V	RSG	01-Dec-66	OPE	PBS
1321	ZEERUST	026E02 51	25S51 37	89.5	11	V	MOTSW	01-Dec-66	OPE	PBS
1322	ZEERUST	026E02 51	25S51 37	99.1	11	V	2000	01-Dec-66	OPE	PBS
1323	ZEERUST	026E02 51	25S51 37	106.2	11	V	SAFM	01-Dec-66	OPE	PBS
1324	ZULULAND	031E24 11	028S26 24	105.5	0.1	V			SPA	CTY

ANNEXURE B

VHF/FM SELF-HELP FREQUENCY ASSIGNMENTS

ANNEXURE B: VHF/FM SELF HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	(MHz)	ERP(kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1	AGGENEYS BLACK MNTN	18E57 15	29S14 03	99.3	0.0100	V	RADIO 2000	30-Mar-94	OPE	PBS
2	ALEXANDER BAY	16E29 49	28S36 32	92.2	0.0500	V	5-FM	01-Dec-89	OPE	PBS
3	ALEXANDER BAY	16E29 49	28S36 32	95.4	0.0500	V	KFM	01-Feb-78	OPE	CML
4	CALEDON	19E25 32	34S13 03	89.6	0.0005	V	RSG		OPE	PBS
5	CALEDON	19E25 32	34S13 03	100.4	0.0005	V	RADIO 2000		OPE	PBS
6	CALVINIA	19E46 34	31S27 00	89.0	0.0250	V	RADIO 2000		OPE	PBS
8	CERES	19E27 32	33S15 13	100.2	0.4000	V	RADIO 2000	31-Mar-93	OPE	PBS
7	CERES C12.1	19E01 13	33S01 13	90.6	0.2000	V	5FM		OPE	PBS
9	CHRISTIANA	25E10 24	27S53 48	100.1	0.0100	V	RADIO 2000	03-Dec-93	OPE	PBS
10	CRADOCK	25E37 49	32S09 51	99.2	0.0151	V	RADIO 2000	30-Oct-93	OPE	PBS
11	DE AAR II C47	24E01 23	30S38 40	98.5	0.0050	V	RADIO 2000	10-Mar-93	OPE	PBS
12	FRASERBURG	21E30 27	31S54 58	98.6	0.0030	V	RADIO 2000	12-Jan-94	OPE	PBS
13	GRAAF-REIN 2 C25	24E31 51	32S14 25	99.8	0.0200	V	RADIO 2000	01-Feb-94	OPE	PBS
14	GROOTDERM BAKEN	16E47 13	28S25 11	94.2	0.0010	V	RGHP	15-Oct-93	OPE	PBS
15	GROOTDERM BAKEN	16E47 13	28S25 11	97.5	0.0010	V	RADIO 2000	15-Oct-93	OPE	PBS
16	GROOTDERM BAKEN	16E47 13	28S25 11	101.0	0.0010	V	RSG	15-Oct-93	OPE	PBS
17	GROOTDERM SENDLINGSDF	16E01 52	28S07 24	98.0	0.0002	V	RADIO 2000	11-Aug-95	OPE	PBS
18	GROOTDERM SENDLINGSDF	16E01 52	28S07 24	101.5	0.0002	V	RSG	11-Aug-95	OPE	PBS
19	GROOTDERM SENDLINGSDF	16E01 52	28S07 24	105.1	0.0002	V	SAFM	11-Aug-95	OPE	PBS
20	KAKAMAS	20E37 30	28S47 06	87.6	0.0050	V	RADIO 2000		OPE	PBS
22	KENHARDT	21E09 50	29S20 50	90.3	0.0020	V	RADIO 2000		OPE	PBS
23	KENHARDT	21E09 50	29S20 50	93.4	0.0020	V	RADIO 2000		OPE	PBS
21	KLAARSTROOM	22E31 39	33S19 58	100.4	0.0100	V	RSG		OPE	PBS
24	LADYBRAND	27E26 02	29S11 36	98.6	0.0251	V	RADIO 2000	10-Jan-93	OPE	PBS
25	LEEU-GAMKA	21E58 06	32S46	100.3	0.0100	V	RSG		OPE	PBS
26	LIME ACRES C69	23E27 54	28S21 27	100.5	0.0800	V	RADIO 2000	25-Nov-92	OPE	PBS
27	MERWEVILLE	21E30 28	32S40 09	101.1	0.0100	V	RSG		OPE	PBS
28	MIDDELBURG K C35	24E59 40	31S28 49	97.9	0.0150	V	RADIO 2000	12-Jan-94	OPE	PBS
29	NELSPOORT	23E02 05	32S06 36	101.5	0.0100	V	RSG		OPE	PBS
30	PELLA MISSION	19E09 21	29S01 51	94.3	0.0010	V	RADIO 2000		OPE	PBS
32	PORT NOLLOTH	29E15 56	16S52 14	100.3	0.0200	V	RADIO 2000	26-May-93	OPE	PBS
31	PRINCE ALBERT	22E01 48	33S14 07	101.2	0.0100	V	RSG		OPE	PBS
33	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	92.4	0.0050	V	RSG	28-Jun-98	OPE	PBS
34	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	95.6	0.0050	V	SAFM	28-Jun-98	OPE	PBS
35	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	98.9	0.0050	V	RADIO 2000	28-Jun-98	OPE	PBS
36	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	102.4	0.0050	V	5FM	28-Jun-98	OPE	PBS
37	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	102.8	0.0050	V	THOBELA FM	28-Jun-98	OPE	PBS
38	SOMERSET EAST	25E34 41	32S42 45	90.0	0.0040	V	RADIO 2000		OPE	PBS
39	STILBAAI C4	21E25 25	34S21 55	97.1	0.0100	V	RADIO 2000	10-Mar-94	OPE	PBS
40	TSHIKONDENI VENDA	30E55 41	22S31 31	99.9	0.0300	V	RADIO 2000		OPE	PBS
41	TSHIKONDENI VENDA	30E55 41	22S31 31	103.4	0.0300	V	RSG		OPE	PBS
42	TSHIKONDENI VENDA	30E55 41	22S31 31	107.0	0.0300	V	SAFM		OPE	PBS
43	VICTORIA WEST	23E06 36	31S23 49	97.6	0.0040	V	RADIO 2000	14-Jul-93	OPE	PBS

ANNEXURE C

MW FREQUENCY ASSIGNMENTS

ANNEXURE C: MW FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (kHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		EMRP	POL	PROGRAMME	ON-AIR DATE	STAT	CAT
1	BEDFORDVIEW	28E07 53	26S09 00	1422	1	V	NPANHELLENIC	19-Dec-97	OPE	CTY
2	BLOEMFONTEIN	26E13 00	29S06 00	1152	5	V			SPA	CTY
3	BLOEMFONTEIN	26E13 00	29S06 00	783	50	V			SPA	CML
4	BLOEMFONTEIN	26E13 00	29S06 00	675	50	V			SPA	PBS
5	BLOEMFONTEIN	26E13 00	29S06 00	1305	1	V			SPA	CTY
6	DAVEYTON	28E24 00	26S08 00	1368	1	V			SPA	CTY
7	DURBAN	30E40 00	29S46 00	567	50	V			SPA	CML
8	DURBAN	30E40 00	29S46 00	801	50	V			SPA	PBS
9	DURBAN	30E59 00	29S50 00	1485	1	V			SPA	CTY
10	DURBAN	30E59 00	29S50 00	1422	1	V			SPA	CTY
11	EAST LONDON	27E48 00	32S56 00	1026	2	V			SPA	CTY
12	EAST LONDON	27E48 00	32S56 00	909	2	V			SPA	CML
13	EAST LONDON	27E48 00	32S56 00	684	20	V			SPA	PBS
14	GA-RANKUWA	27E55 35	25S37 00	702	500	V			SPA	CML
15	GA-RANKUWA	27E55 35	25S37 00	1098	363	V	IKWE	11-Jan-99	OPE	PBS
16	GA-RANKUWA	27E53 27	25S37 13	540	100	V	BOP	01-Jun-82	OPE	PBS
17	GRAHAMSTOWN	26E42 00	33S17 00	810	5	V			SPA	CML
18	GRAHAMSTOWN	26E42 00	33S17 00	621	5	V			SPA	PBS
20	JOHANNESBURG	27E55 00	26S07 00	1458	1	V			SPA	CTY
21	KEMPTON PARK	28E14 00	26S05 00	1350	1	V			SPA	CTY
22	KIMBERLEY	24E54 00	28S51 00	1242	2	V			SPA	CML
23	KLIPHEUWEL	18E42 30	33S42 00	567	27	V	CAPE TALK	14-Oct-97	OPE	CML
24	KLIPHEUWEL	18E42 30	33S42 00	1350	1	V			SPA	CTY
19	KLIPHEUWEL	18E42 30	33S42 00	729	27.412	V			SPA	CML
25	KOMGA	27E51 45	32S33 44	846	50	V	NENE	01-Dec-87	OPE	PBS
26	LENASIA	27E53 55	26S21 37	1548	0.3	V	RADIO ISLAM	06-Jan-97	OPE	CTY
27	MARAISBURG	27E55 13	26S11 41	828	1	V			SPA	CML
28	MARAISBURG	27E55 13	26S11 41	729	1	V			SPA	CML
29	MARKS PARK	28E00 11	26S09 37	1485	1	V	RADIO TODAY	14-Jun-96	OPE	CTY
30	MEYERTON	28E10 13	26S35 01	576	50	V	RADIO METRO	01-Jan-93	OPE	PBS
31	MEYERTON	28E10 13	26S35 01	657	50	V	RADIO PULPIT	01-Jan-93	OPE	CTY
32	MIDDELBURG	29E26 00	25S46 00	1305	1	V			SPA	CTY
33	MIDRAND	28E04 50	25S55 56	1269	1	V	CHINESE	11-Oct-96	OPE	CTY
34	PIETERMARITZBURG	30E19 00	29S34 00	765	25	V			SPA	PBS
35	PIETERMARITZBURG	30E19 00	29S34 00	666	5	V			SPA	CML
36	PIETERSBURG	29E29 00	23S59 00	1512	1	V			SPA	CTY
37	PIETERSBURG	29E29 00	23S59 00	990	5	V			SPA	CML
38	PIETERSBURG	29E29 00	23S59 00	864	5	V			SPA	PBS
39	PIETERSBURG	29E29 00	23S59 00	1116	10	V			SPA	PBS
40	PORT ELIZABETH	25E26 00	33S56 00	1044	10	V			SPA	CML
41	PORT ELIZABETH	25E26 00	33S56 00	1179	10	V			SPA	CML
42	PORT ELIZABETH	25E26 00	33S56 00	1314	380	V			SPA	PBS
43	PRETORIA	27E59 00	25S41 00	1332	5	V			SPA	CML
44	PRETORIA1	28E06 30	25S45 50	1584	0.25	V	INST.ISLAM	01-Jul-96	OPE	CTY
45	PRETORIA	27E59 00	25S41 00	1440	350	V			SPA	CML
46	SENTECH PARK	27E54 47	26S06 13	1602	1	V			SPA	CTY
47	SIBASA MF	30E24 49	23S01 45	1035	100	V			SPA	PBS
48	SOWETO	27E52 00	26S14 00	1305	1	V			SPA	CTY

ANNEXURE C: MW FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (kHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		EMRP	POL	PROGRAMME	ON-AIR DATE	STAT	CAT
49	UMTATA	28E45 00	31S57 00	558	50	V			SPA	CML
50	UMZIMKULU	29E50 00	30S19 00	603	10	V			SPA	CML
51	WELGEDACHT	28E31 16	26S11 08	1287	5	V	LIGWALA	23-Nov-78	OPE	PBS
52	WELGEDACHT	28E31 16	26S11 08	1404	5	V	IKWE	01-May-84	OPE	PBS
53	WELKOM	26E44 00	27S58 00	1350	1	V			SPA	CTY

ANNEXURE D

TELEVISION FREQUENCY ASSIGNMENTS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
1	ALEXANDER BAY	016E29 49	28S36 32	53	727.25	-20	0.1	V	SABC2	01-Jan-90	OPE	PBS
2	AGTER-WITZENBERG	019E17 14	33S14 00	23	487.25	0	0.0397	V	SABC1		LIC	PBS
3	AGTER-WITZENBERG	019E17 14	33S14 00	27	519.25	0	0.0397	V	SABC2		LIC	PBS
4	AGTER-WITZENBERG	019E17 14	33S14 00	31	551.25	0	0.0397	V	SABC3		LIC	PBS
5	ALEXANDER BAY	016E29 49	28S36 32	57	759.25	-20	0.1	V	MNET	01-Dec-91	OPE	CML
6	ALEXANDER BAY	016E29 49	28S36 32	61	791.25	-20	0.1	V	SABC1	17-Jul-98	OPE	PBS
7	ALEXANDER BAY	016E29 49	28S36 32	65	823.25	-20	0.1	V	SABC3	17-Jul-98	OPE	PBS
8	ALIWAL NORTH	026E34 00	30S47 05	53	727.25	20	10	H	SABC1	01-Aug-93	OPE	PBS
9	ALIWAL NORTH	026E34 00	30S47 05	57	759.25	20	100	H	etv	28-Aug-00	OPE	CML
10	ALIWAL NORTH	026E34 00	30S47 05	61	791.25	20	100	H	SABC2	01-Apr-80	OPE	PBS
11	AMANDA GLEN	018E40 33	33S51 18	21	471.25	0	0.02	V	SABC2	01-Apr-92	OPE	PBS
12	AMANDA GLEN	018E40 33	33S51 18	25	503.25	-20	0.02	V	SABC3	01-Apr-92	OPE	PBS
13	AMANDA GLEN	018E40 33	33S51 18	29	535.25	-20	0.02	V	MNET	01-Apr-92	OPE	CML
14	AMANDA GLEN	018E40 33	33S51 18	33	567.25	0	0.02	V	SABC1	01-Apr-92	OPE	PBS
15	AMANDA GLEN	018E40 33	33S51 18	61	791.25	20	0.02	V	etv	24-Jul-00	OPE	CML
16	ANDRIESKRAAL	024E42 33	33S46 37	24	495.25	0	0.01	V	SABC2	01-Sep-86	OPE	PBS
17	ANDRIESKRAAL	024E42 33	33S46 37	28	527.25	0	0.01	V	SABC1	01-Sep-86	OPE	PBS
18	ANDRIESKRAAL	024E42 33	33S46 37	32	559.25	0	0.01	V	SABC3	01-Nov-95	OPE	PBS
19	AURORA	018E38 29	33S49 39	23	487.25	0	0.003	V	SABC2	01-May-92	OPE	PBS
20	AURORA	018E38 29	33S49 39	31	551.25	-20	0.003	V	SABC3	01-May-92	OPE	PBS
21	AURORA	018E38 29	33S49 39	35	583.25	-20	0.003	V	MNET	01-May-92	OPE	CML
22	AURORA	018E38 29	33S49 39	53	727.25	-20	0.003	V	SABC1	01-May-92	OPE	PBS
23	AURORA	018E38 29	33S49 39	57	759.25	20	0.003	V	etv	25-Jul-00	OPE	CML
24	BARKLY EAST	027E26 00	30S51 30	23	487.25	-20	0.35	V	SABC2	01-May-88	OPE	PBS
25	BEAUFORT WEST	022E30 25	32S15 29	4	175.25	20	1.6	H	MNET	01-Sep-92	OPE	CML
26	BEAUFORT WEST	022E30 25	32S15 29	7	199.25	0	4	H	SABC1	01-Nov-95	OPE	PBS
27	BEAUFORT WEST	022E30 25	32S15 29	10	223.25	-20	13	H	SABC2	01-Nov-79	OPE	PBS
28	BEAUFORT WEST	022E30 25	32S15 29	37	599.25	0	56	H	etv		LIC	CML
29	BEDFORD	026E02 57	32S37 57	23	487.25	-20	10	H	SABC2	01-Jul-86	OPE	PBS
30	BEDFORD	026E02 57	32S37 57	27	519.25	-20	10	H	etv		LIC	CML
31	BEDFORD	026E02 57	32S37 57	31	551.25	-20	10	H	SABC3	01-Sep-98	OPE	PBS
32	BETHLEHEM	028E29 58	28S14 10	55	743.25	-20	100	H	SABC2	01-Apr-80	OPE	PBS
33	BETHLEHEM	028E29 58	28S14 10	59	775.25	-20	100	H	etv	12-Sep-00	OPE	CML
34	BETHLEHEM	028E29 58	28S14 10	63	807.25	-20	100	H	SABC1	01-Jul-86	OPE	PBS
35	BETHLEHEM TOWN	028E19 54	28S13 17	61	791.25	20	0.015	V	MNET	01-Jun-93	OPE	CML
36	BEZ VALLEY	028E05 04	26S11 41	24	495.25	20	0.07	V	CSN	01-Sep-93	OPE	CML
37	BEZ VALLEY	028E05 04	26S11 41	28	527.25	20	0.09	V	etv	29-Sep-98	OP	CML
38	BEZ VALLEY	028E05 04	26S11 41	56	751.25	-20	0.07	V	SABC3	01-Sep-91	OPE	PBS
39	BEZ VALLEY	028E05 04	26S11 41	60	783.25	-20	0.07	V	SABC1	01-Jul-85	OPE	PBS
40	BEZ VALLEY	028E05 04	26S11 41	64	815.25	-20	0.07	V	MNET	01-Mar-87	OPE	CML
41	BEZ VALLEY	028E05 04	26S11 41	68	847.25	-20	0.07	V	SABC2	01-Jan-82	OPE	PBS
42	BLOEMFONTEIN	026E13 50	29S06 13	6	191.25	-20	10	H	MNET	01-Feb-88	OPE	CML
43	BLOEMFONTEIN	026E13 50	29S06 13	9	215.25	0	100	H	SABC2	01-Oct-75	OPE	PBS
44	BLOEMFONTEIN	026E13 50	29S06 13	13	247.13	-20	100	H	SABC1	01-Jun-82	OPE	PBS
45	BLOEMFONTEIN	026E13 50	29S06 13	40	623.25	20	14.2	H	CSN	01-Sep-93	OPE	CML
46	BLOEMFONTEIN	026E13 50	29S06 13	44	655.25	20	142	H	SABC3	01-May-90	OPE	PBS
47	BLOEMFONTEIN	026E13 50	29S06 13	48	687.25	20	100	H	etv	29-Sep-98	OPE	CML
48	BLOUBERG	028E59 12	23S04 19	45	663.25	0	2	V	SABC2	01-Sep-85	OPE	PBS
49	BLOUBERG	028E59 12	23S04 19	49	695.25	0	2	V	etv		LIC	CML
50	BOESMANSKOP	027E12 55	30S00 28	23	487.25	20	10	H	SABC2	01-May-86	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
51	BOESMANSKOP	027E12 55	30S00 28	27	519.25	20	1	H	SABC1	01-Aug-93	OPE	PBS
52	BOESMANSKOP	027E12 55	30S00 28	31	551.25	20	10	H	etv	28-Aug-00	OPE	CML
53	BRONKHORSTSPRUIT	028E43 38	25S46 13	36	591.25	-20	0.2	V	MNET	01-Nov-93	OPE	CML
54	BURGERSDORP	026E20 21	31S00 02	39	615.25	-20	0.1	V	SABC2	01-Dec-87	OPE	PBS
55	BURGERSDORP	026E20 21	31S00 02	43	647.25	-20	0.1	V	SABC1	01-Nov-95	OPE	PBS
56	BURGERSFORT	030E15 47	22S33 46	5	183.25	20	126	H	SABC1		LIC	PBS
57	BURGERSFORT	030E15 47	22S33 46	11	231.25	20	126	H	SABC3		LIC	PBS
58	BURGERSFORT	030E15 47	22S33 46	8	207.25	20	126	H	SABC2		LIC	PBS
59	BUTTERWORTH	028E12 25	32S16 35	21	471.25	0	5	H	MNET	01-Nov-92	OPE	CML
60	BUTTERWORTH	028E12 25	32S16 35	25	503.25	0	10	H	TBNC	01-Jun-93	OPE	CTY
61	BUTTERWORTH	028E12 25	32S16 35	29	535.25	0	10	H	SABC2	01-Nov-92	OPE	PBS
62	BUTTERWORTH	028E12 25	32S16 35	31	551.25	20	10	H	etv	23-Aug-00	OPE	CML
63	BUTTERWORTH	028E12 25	32S16 35	33	567.25	0	10	H	SABC1	01-Nov-92	OPE	PBS
64	BUTTERWORTH	028E12 25	32S16 35	35	583.25	20	10	H	SABC3	30-Jan-98	OP	PBS
65	CALA	027E45 02	31S33 15	38	607.25	20	50	V	SABC1	01-Apr-03	OP	PBS
66	CALA	027E45 02	31S33 15	42	639.25	20	50	V	SABC2	01-Apr-03	OP	PBS
67	CALA	027E45 02	31S33 15	50	703.25	20	1	V	TBNC		LIC	CTY
68	CALVINIA	019E46 57	31S23 03	22	479.25	20	10	H	SABC2	01-May-86	OPE	PBS
69	CALVINIA	019E46 57	31S23 03	30	543.25	20	10	H	etv		LIC	CML
70	CAPE TOWN	018E23 15	34S03 15	5	183.25	0	16	V	SABC1	01-Jan-82	OPE	PBS
71	CAPE TOWN	018E23 15	34S03 15	8	207.25	0	16	V	SABC2	01-Jul-75	OPE	PBS
72	CAPE TOWN	018E23 15	34S03 15	11	231.25	-20	16	V	MNET	01-Aug-87	OPE	CML
73	CAPE TOWN	018E23 15	34S03 15	54	735.25	0	0.25	H	CSN	01-Sep-93	OPE	CML
74	CAPE TOWN	018E23 15	34S03 15	58	767.25	0	6.8	H	etv	29-Sep-98	OPE	CML
75	CAPE TOWN	018E23 15	34S03 15	62	799.25	0	6.8	H	SABC3	01-Aug-92	OPE	PBS
76	CARNARVON	022E22 29	30S54 14	40	623.25	0	10	H	SABC2	01-Apr-86	OPE	PBS
77	CARNARVON	022E22 29	30S54 14	44	655.25	0	10	H	etv		LIC	CML
78	CAROLINA	030E37 57	26S10 37	42	639.25	20	10	H	SABC1	01-Nov-95	OPE	PBS
79	CAROLINA	030E37 57	26S10 37	46	671.25	20	10	H	etv	21-Jul-00	OPE	CML
80	CAROLINA	030E37 57	26S10 37	50	703.25	20	10	H	SABC2	01-Mar-86	OPE	PBS
81	CERES	019E27 32	33S15 10	21	471.25	-20	11	V	SABC2	01-Oct-87	OPE	PBS
82	CERES	019E27 32	33S15 10	29	535.25	-20	11	V	etv		LIC	CML
83	CHRISTIANA	024E55 50	27S53 03	54	735.25	20	10	H	etv	27-Jul-00	OPE	CML
84	CHRISTIANA	024E55 50	27S53 03	58	767.25	20	10	H	SABC1	01-Apr-86	OPE	PBS
85	CHRISTIANA	024E55 50	27S53 03	62	799.25	20	10	H	SABC2	01-Oct-79	OPE	PBS
86	CHRISTIANA	024E55 50	27S53 03	66	831.25	20	10	H	SABC3	30-Nov-97	OPE	PBS
87	CLIFTON	018E22 37	33S56 30	21	471.25	0	0.01	H	etv	28-Jul-00	OPE	CML
88	CLIFTON	018E22 37	33S56 30	23	487.25	0	0.01	H	SABC1	01-Nov-92	OPE	PBS
89	CLIFTON	018E22 37	33S56 30	25	503.25	0	0.01	H	MNET	01-Nov-92	OPE	CML
90	CLIFTON	018E22 37	33S56 30	31	551.25	0	0.01	H	SABC2	01-Nov-92	OPE	PBS
91	CLIFTON	018E22 37	33S56 30	35	583.25	0	0.01	H	SABC3	01-Nov-92	OPE	PBS
92	COLESBERG	025E03 28	30S42 30	23	487.25	0	0.5	V	SABC2	01-Jan-88	OPE	PBS
93	CRADOCK	025E32 27	32S18 01	40	623.25	-20	10	H	SABC2	01-Apr-84	OPE	PBS
94	CRADOCK	025E32 27	32S18 01	44	655.25	-20	10	H	etv		LIC	CML
95	CRADOCK	025E32 27	32S18 01	48	687.25	-20	1	H	SABC1	01-Aug-93	OPE	PBS
96	CRADOCK	025E32 27	32S18 01	52	719.25	-20	10	H	SABC3	25-Aug-98	OPE	PBS
97	DAVEL	029E37 26	26S27 30	22	479.25	20	50	H	SABC2	01-Dec-75	OPE	PBS
98	DAVEL	029E37 26	26S27 30	26	511.25	20	50	H	SABC3	01-Dec-93	OPE	PBS
99	DAVEL	029E37 26	26S27 30	30	543.25	20	50.1	H	SABC1	01-Feb-83	OPE	PBS
100	DAVEL	029E37 26	26S27 30	34	575.25	20	50	H	etv	16-Aug-00	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
101	DE AAR	023E59 16	30S27 49	5	183.25	0	100	H	SABC2	01-Apr-80	OPE	PBS
102	DE AAR	023E59 16	30S27 49	8	207.25	0	100	H	etv		LIC	CML
103	DE AAR	023E59 16	30S27 49	11	231.25	20	10	H	SABC1	01-Nov-95	OPE	PBS
104	DESPATCH	025E25 29	33S45 53	22	479.25	-20	0.2	V	SABC2	01-Sep-86	OPE	PBS
105	DESPATCH	025E25 29	33S45 53	26	511.25	-20	0.2	V	SABC1	01-Sep-86	OPE	PBS
106	DESPATCH	025E25 29	33S45 53	30	543.25	-20	0.2	V	SABC3	01-Dec-92	OPE	PBS
107	DESPATCH	025E25 29	33S45 53	34	575.25	-20	0.2	V	etv	29-Sep-98	OPE	CML
108	DEWETSDORP	026E39 37	29S34 44	54	735.25	0	0.01	V	SABC2	01-Feb-89	OPE	PBS
109	DONNYBROOK	029E51 19	29S54 56	6	191.25	20	10	H	SABC2	01-May-84	OPE	PBS
110	DONNYBROOK	029E51 19	29S54 56	9	215.25	20	10	H	SABC1	01-Mar-86	OPE	PBS
111	DONNYBROOK	029E51 19	29S54 56	56	751.25	0	240	H	etv	24 - 10 - 00	OPE	CML
112	DONNYBROOK	029E51 19	29S54 56	60	783.25	0	240	H	SABC3	01-Sep-98	OP	PBS
113	DORINGKRUIN	026E41 00	26S49 05	68	847.25	-20	0.02	V	MNET	01-Sep-89	OPE	CML
114	DOUGLAS	023E31 49	29S04 14	53	727.25	-20	10	H	etv		LIC	CML
115	DOUGLAS	023E31 49	29S04 14	57	759.25	-20	10	H	SABC2	01-Apr-86	OPE	PBS
116	DULLSTROOM	030E11 17	25S34 21	53	727.25	20	10	H	SABC2	01-Mar-86	OPE	PBS
117	DULLSTROOM	030E11 17	25S34 21	57	759.25	20	10	H	etv		LIC	CML
118	DULLSTROOM	030E11 17	25S34 21	61	791.25	20	2	H	SABC1	01-Jul-93	OPE	PBS
119	DURBAN	030E43 00	29S46 11	4	175.25	20	100	H	SABC2	01-Jul-75	OPE	PBS
120	DURBAN	030E43 00	29S46 11	7	199.25	-20	100	H	SABC1	01-Jan-82	OPE	PBS
121	DURBAN	030E43 00	29S46 11	10	223.25	20	100	H	MNET	01-Sep-87	OPE	CML
122	DURBAN	030E43 00	29S46 11	13	247.13	0	100	H	SABC3	01-Jun-90	OP	PBS
123	DURBAN	030E43 00	29S46 11	38	607.25	-20	225	H	etv	29-Sep-98	OPE	CML
124	DURBAN	030E43 00	29S46 11	42	639.25	-20	12.3	H	CSN	01-Sep-93	OPE	CML
125	DZAMBA	030E18 41	22S49 05	53	727.25	-20	0.25	V	SABC2	01-Aug-90	OP	PBS
126	DZAMBA	030E18 41	22S49 05	67	839.25	-20	0.25	V	SABC1	01-Aug-90	OPE	PBS
127	EAST LONDON	027E48 58	32S56 20	4	175.25	-20	100	H	SABC3	01-Aug-92	OP	PBS
128	EAST LONDON	027E48 58	32S56 20	6	191.25	0	10	H	MNET	01-Apr-89	OPE	CML
129	EAST LONDON	027E48 58	32S56 20	9	215.25	-20	100	H	SABC2	01-Oct-75	OPE	PBS
130	EAST LONDON	027E48 58	32S56 20	13	247.13	20	100	H	SABC1	01-Apr-82	OPE	PBS
131	EAST LONDON	027E48 58	32S56 20	54	735.25	20	225	H	etv	29-Sep-98	OPE	CML
132	ELANDS HEIGHT	028E07 10	30S47 44	4	175.25	20	100	V	SABC1	08-Jul-06	LIC	PBS
133	ELANDS HEIGHT	028E07 10	30S47 44	6	191.25	-20	100	V	SABC2	08-Jul-06	LIC	PBS
134	ELANDS HEIGHT	028E07 10	30S47 44	9	215.25	-20	100	V	SABC3	08-Jul-06	LIC	PBS
135	ELLIOT	027E51 57	31S10 36	58	767.25	-20	0.4	V	SABC2	01-Aug-88	OPE	PBS
136	ELLISRAS	027E39 46	23S42 22	21	471.25	-20	0.24	V	MNET	01-Sep-93	OPE	CML
137	EMPANGENI	031E53 30	28S44 40	40	623.25	20	0.05	V	MNET	01-Aug-92	OPE	CML
138	EMPANGENI	031E53 30	28S44 40	44	655.25	20	0.2	V	SABC2	01-May-87	OPE	PBS
139	EMPANGENI	031E53 30	28S44 40	48	687.25	20	0.2	V	SABC1	01-May-87	OPE	PBS
140	EMPANGENI	031E53 30	28S44 40	52	719.25	20	0.2	V	SABC3	01-Nov-95	OPE	PBS
141	ENGCOBO	028E00 34	31S39 20	40	623.25	20	10	V	SABC1	28-Nov-02	OPE	PBS
142	ENGCOBO	028E00 34	31S39 20	49	695.25	20	1	V	TBNC		LIC	CTY
143	ENGCOBO	028E00 34	31S39 20	52	719.25	20	10	V	SABC2	28-Nov-02	OP	PBS
144	ENTSHATSHONGO	028E40 10	32S08 39	26	511.25	-20	50	V	SABC1	04-Nov-05	OPE	PBS
145	ENTSHATSHONGO	028E40 10	32S08 39	30	543.25	-20	50	V	SABC2	04-Nov-05	OPE	PBS
146	ENZELSBERG	026E13 16	25S25 07	22	479.25	-20	2	H	SABC2	01-Oct-85	OPE	PBS
147	ENZELSBERG	026E13 16	25S25 07	30	543.25	-20	2	H	SABC1	01-Nov-95	OPE	PBS
148	ENZELSBERG	026E13 16	25S25 07	55	743.25	-20	2	H	etv		LIC	CML
149	ENZELSBERG	026E13 16	25S25 07	67	839.25	-20	2	H	SABC3	28-Feb-03	OPE	PBS
150	ERMELO	029E59 57	26S30 35	67	839.25	20	0.05	V	MNET	01-Oct-92	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
151	ESHOWE	031E17 37	28S51 29	24	495.25	20	100	H	SABC3	01-Nov-95	OPE	PBS
152	ESHOWE	031E17 37	28S51 29	28	527.25	20	100	H	SABC1	01-Apr-86	OPE	PBS
153	ESHOWE	031E17 37	28S51 29	32	559.25	20	100	H	etv	29-Sep-98	OPE	CML
154	ESHOWE	031E17 37	28S51 29	36	591.25	20	100	H	SABC2	01-Jan-79	OPE	PBS
155	ESTCOURT	029E51 56	29S00 55	39	615.25	0	0.05	V	SABC2	01-Sep-86	OPE	PBS
156	ESTCOURT	029E51 56	29S00 55	43	647.25	0	0.05	V	SABC1	01-Sep-86	OPE	PBS
157	ESTCOURT	029E51 56	29S00 55	51	711.25	0	0.05	V	SABC3	01-Nov-95	OPE	PBS
158	FICKSBURG TOWN	027E51 27	28S52 36	37	599.25	0	0.05	V	SABC2	01-Jan-87	OPE	PBS
159	FISHHOEK	018E26 12	34S08 59	55	743.25	-20	0.1	V	SABC2	01-Feb-94	OPE	PBS
160	FISHHOEK	018E26 12	34S08 59	57	759.25	0	0.1	V	etv	29-Sep-98	OPE	CML
161	FISHHOEK	018E26 12	34S08 59	59	775.25	-20	0.1	V	SABC1	01-Feb-94	OPE	PBS
162	FISHHOEK	018E26 12	34S08 59	63	807.25	-20	0.1	V	SABC3	01-Feb-94	OPE	PBS
163	FISHHOEK	018E26 12	34S08 59	67	839.25	-20	0.1	V	MNET	01-Feb-94	OPE	CML
164	FRANSCHHOEK	019E04 26	33S54 26	53	727.25	0	4	V	SABC2	01-Jan-76	OPE	PBS
165	FRANSCHHOEK	019E04 26	33S54 26	55	743.25	0	1	V	CSN	01-Sep-93	OPE	CML
166	FRANSCHHOEK	019E04 26	33S54 26	57	759.25	0	4	V	SABC1	01-Jun-85	OPE	PBS
167	FRANSCHHOEK	019E04 26	33S54 26	59	775.25	0	4	V	etv	29-Sep-98	OPE	CML
168	FRANSCHHOEK	019E04 26	33S54 26	61	791.25	0	1	V	MNET	01-Sep-87	OPE	CML
169	FRANSCHHOEK	019E04 26	33S54 26	65	823.25	0	1	V	SABC3	01-Oct-92	OPE	PBS
170	GABA	030E42 25	22S47 02	44	655.25	0	4	V	SABC2	01-Jul-90	OPE	PBS
171	GABA	030E42 25	22S47 02	51	711.25	0	4	V	SABC1	01-Jul-90	OPE	PBS
172	GANYESA	024E16 00	26S36 12	22	479.25	20	30.2	H	SABC1	22-Nov-02	OPE	PBS
173	GANYESA	024E16 00	26S36 12	26	511.25	20	30	H	SABC2	09-Feb-01	OPE	PBS
174	GARIES	018E04 43	30S18 52	8	207.25	20	13	H	SABC2	01-Sep-80	OPE	PBS
175	GARIES	018E04 43	30S18 52	11	231.25	20	13	H	etv		LIC	CML
176	GENADENDAL	019E33 08	34S02 17	24	495.25	0	0.008	V	SABC1		LIC	PBS
177	GENADENDAL	019E33 08	34S02 17	28	527.25	0	0.008	V	SABC2		LIC	PBS
178	GENADENDAL	019E33 08	34S02 17	32	559.25	0	0.008	V	SABC2		LIC	PBS
179	GEORGE	022E27 04	33S55 38	5	183.25	-20	16	V	SABC2	01-Nov-75	OPE	PBS
180	GEORGE	022E27 04	33S55 38	7	199.25	20	16	V	MNET	01-Jun-90	OP	CML
181	GEORGE	022E27 04	33S55 38	11	231.25	20	16	V	SABC1	01-May-86	OPE	PBS
182	GEORGE	022E27 04	33S55 38	56	751.25	20	17	H	SABC3	01-May-94	OPE	PBS
183	GEORGE	022E27 04	33S55 38	60	783.25	20	17	H	etv	29-Sep-98	OPE	CML
184	GLENCOE	029E56 51	28S09 04	23	487.25	-20	100	H	SABC3	01-Aug-92	OPE	PBS
185	GLENCOE	029E56 51	28S09 04	27	519.25	-20	100	H	SABC2	01-May-76	OPE	PBS
186	GLENCOE	029E56 51	28S09 04	31	551.25	-20	100	H	SABC1	01-Jan-83	OPE	PBS
187	GLENCOE	029E56 51	28S09 04	35	583.25	-20	100	H	etv	24-Jul-00	OPE	CML
188	GRAAFF-REINET	024E27 04	32S04 44	6	191.25	20	13.7	V	SABC2	01-Jul-80	OPE	PBS
189	GRAAFF-REINET	024E27 04	32S04 44	13	247.13	20	14	V	etv		LIC	CML
190	GRABOUW	018E58 03	34S06 05	39	615.25	20	0.5	V	SABC2	01-Jan-87	OPE	PBS
191	GRABOUW	018E58 03	34S06 05	43	647.25	20	0.5	V	SABC1	01-Jan-87	OPE	PBS
192	GRABOUW	018E58 03	34S06 05	47	679.25	20	0.5	V	SABC3	01-Jul-92	OPE	PBS
193	GRABOUW	018E58 03	34S06 05	51	711.25	20	0.5	V	etv	29-Sep-98	OPE	CML
194	GRAHAMSTOWN	026E42 31	33S17 15	5	183.25	20	100	H	SABC1	01-Dec-85	OPE	PBS
195	GRAHAMSTOWN	026E42 31	33S17 15	8	207.25	-20	100	H	SABC2	01-Jan-79	OPE	PBS
196	GRAHAMSTOWN	026E42 31	33S17 15	11	231.25	-20	1.2	H	MNET	01-Feb-89	OPE	CML
197	GRAHAMSTOWN	026E42 31	33S17 15	39	615.25	-20	258	H	SABC3	01-Sep-98	OPE	PBS
198	GRAHAMSTOWN	026E42 31	33S17 15	43	647.25	-20	225	H	etv	29-Sep-98	OPE	CML
199	GREYTOWN	030E32 10	29S00 46	53	727.25	-20	10	H	SABC2	01-Apr-86	OPE	PBS
200	GREYTOWN	030E32 10	29S00 46	57	759.25	-20	10	H	etv	10-Aug-00	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
201	GREYTOWN	030E32 10	29S00 46	61	791.25	-20	10	H	SABC1	01-Jul-93	OPE	PBS
202	GREYTOWN	030E32 10	29S00 46	65	823.25	-20	10	H	SABC3	30-Nov-97	OPE	PBS
203	GREYTOWNDORP	030E36 48	29S02 05	55	743.25	-20	0.03	V	SABC2	01-Jun-00	OPE	PBS
204	GREYTOWNDORP	030E36 48	29S02 05	59	775.25	-20	0.03	V	SABC1	01-Jun-00	OPE	PBS
205	GREYTOWNDORP	030E36 48	29S02 05	67	839.25	20	0.03	V	SABC3	01-Jun-00	OPE	PBS
206	GROOT BRAKRIVIER	022E13 00	34S02 31	23	487.25	20	0.025	V	SABC2	01-Oct-86	OPE	PBS
207	GROOT BRAKRIVIER	022E13 00	34S02 31	27	519.25	20	0.025	V	SABC1	01-Oct-86	OPE	PBS
208	GROOT BRAKRIVIER	022E13 00	34S02 31	35	583.25	20	0.025	V	SABC3	01-Nov-95	OPE	PBS
209	GROOT MARICO	026E26 08	25S37 11	43	647.25	-20	0.2	V	SABC2	01-Oct-85	OPE	PBS
210	HANKEY	024E52 13	33S49 52	22	479.25	0	0.004	V	SABC2	01-Sep-86	OPE	PBS
211	HANKEY	024E52 13	33S49 52	26	511.25	0	0.004	V	SABC1	01-Sep-86	OPE	PBS
212	HANKEY	024E52 13	33S49 52	30	679.25	0	0.04	V	SABC3	01-Nov-95	OPE	PBS
213	HARRISMITH	029E12 40	28S15 52	4	175.25	-20	126	V	SABC1		LIC	PBS
214	HARRISMITH	029E12 40	28S15 52	7	199.25	0	126	V	SABC2		LIC	PBS
215	HECTORSPRUIT	031E36 20	25S28 47	22	479.25	0	0.631	V	SABC1	01-Apr-04	OPE	PBS
216	HECTORSPRUIT	031E36 20	25S28 47	26	511.25	0	0.631	V	SABC2	01-Apr-04	OPE	PBS
217	HEIDELBERG	028E20 53	26S29 19	38	607.25	20	0.1	V	etv	29-Sep-98	OPE	CML
218	HEIDELBERG	028E20 53	26S29 19	46	671.25	20	0.1	V	CSN	01-Sep-93	OPE	CML
219	HEIDELBERG	028E20 53	26S29 19	56	751.25	20	0.1	V	SABC2	01-Sep-77	OPE	PBS
220	HEIDELBERG	028E20 53	26S29 19	60	783.25	20	0.1	V	SABC3	01-Sep-91	OPE	PBS
221	HEIDELBERG	028E20 53	26S29 19	64	815.25	20	0.1	V	SABC1	01-Oct-85	OPE	PBS
222	HEIDELBERG	028E20 53	26S29 19	68	847.25	20	0.12	V	MNET	01-Jul-90	OPE	CML
223	HELDERKRUIN	027E51 32	26S06 05	22	479.25	-20	0.75	V	MNET	01-Mar-92	OPE	CML
224	HELDERKRUIN	027E51 32	26S06 05	26	511.25	-20	0.75	V	SABC3	01-Sep-89	OPE	PBS
225	HELDERKRUIN	027E51 32	26S06 05	30	543.25	-20	0.75	V	SABC2	01-Jul-89	OPE	PBS
226	HELDERKRUIN	027E51 32	26S06 05	34	575.25	-20	0.76	V	SABC1	01-Jul-89	OPE	PBS
227	HELDERKRUIN	027E51 32	26S06 05	45	663.25	-20	0.8	V	etv	29-Sep-98	OPE	CML
228	HELDERKRUIN	027E51 32	26S06 05	49	695.25	0	0.45	V	CSN	01-Jan-94	OPE	CML
229	HERMANUS	019E13 18	34S24 47	21	471.25	20	0.6	V	etv	05-Jul-00	OPE	CML
230	HERMANUS	019E13 18	34S24 47	24	495.25	-20	0.6	V	SABC2	01-Jan-78	OPE	PBS
231	HERMANUS	019E13 18	34S24 47	28	527.25	-20	0.6	V	SABC1	01-Dec-87	OPE	PBS
232	HERMANUS	019E13 18	34S24 47	32	559.25	-20	0.6	V	SABC3	01-Nov-95	OPE	PBS
233	HEUNINGVLEI	023E08 00	26S17 03	37	599.25	0	0.02	V	SABC1	25-Oct-08	OPE	PBS
234	HEUNINGVLEI	023E08 00	26S17 03	41	631.25	0	0.02	V	SABC2	25-Oct-08	OPE	PBS
235	HEUNINGVLEI	023E08 00	26S17 03	45	663.25	0	0.02	V	SABC3	25-Oct-08	OPE	PBS
236	HEXRIVIER	019E39 23	33S30 54	23	487.25	0	0.1	V	SABC2	01-Dec-86	OPE	PBS
237	HEXRIVIER	019E39 23	33S30 54	27	519.25	0	0.1	V	etv		LIC	CML
238	HOEDSPRUIT	030E52 08	24S32 30	39	615.25	20	100	H	SABC2	01-Oct-83	OPE	PBS
239	HOEDSPRUIT	030E52 08	24S32 30	43	647.25	20	100	H	SABC3	01-Nov-93	OPE	PBS
240	HOEDSPRUIT	030E52 08	24S32 30	47	679.25	20	99.8	H	SABC1	01-Jun-93	OPE	PBS
241	HOEDSPRUIT	030E52 08	24S32 30	51	711.25	20	100	H	etv	29-Sep-00	OPE	CML
242	HOLY CROSS	029E38 25	31S07 56	36	591.25	20	200	V	SABC2		LIC	PBS
243	HOLY CROSS	029E38 25	31S07 56	32	559.25	20	200	V	SABC1		LIC	PBS
244	HOUT BAY	018E20 56	34S00 44	48	687.25	-20	4	V	etv	29-Sep-98	OPE	CML
245	HOUT BAY	018E20 56	34S00 44	52	719.25	-20	4	V	CSN	01-Sep-93	OPE	CML
246	HOUT BAY	018E20 56	34S00 44	56	751.25	0	4	V	SABC1	01-Aug-85	OPE	PBS
247	HOUT BAY	018E20 56	34S00 44	60	783.25	0	4	V	SABC2	01-Aug-77	OPE	PBS
248	HOUT BAY	018E20 56	34S00 44	64	815.25	0	4	V	MNET	01-Aug-87	OPE	CML
249	HOUT BAY	018E20 56	34S00 44	68	847.25	0	4	V	SABC3	01-Oct-92	OPE	PBS
250	HOWICK	030E13 52	29S30 13	21	471.25	0	0.008	V	SABC2	01-Sep-86	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
251	HOWICK	030E13 52	29S30 13	25	503.25	0	0.008	V	SABC1	01-Sep-86	OPE	PBS
252	HOWICK	030E13 52	29S30 13	29	535.25	0	0.008	V	SABC3	01-Nov-95	OPE	PBS
253	INDERMARK	029E06 26	23S04 51	31	551.25	0	0.016	V	SABC1		LIC	PBS
254	INDERMARK	029E06 26	23S04 51	33	567.25	0	0.016	V	SABC2		LIC	PBS
255	INDERMARK	029E06 26	23S04 51	35	583.25	0	0.016	V	SABC3		LIC	PBS
256	JOHANNESBURG	028E00 26	26S11 31	6	191.25	0	100	H	SABC1	01-Sep-82	OPE	PBS
257	JOHANNESBURG	028E00 26	26S11 31	9	215.25	-20	100	H	SABC2	01-Jun-75	OPE	PBS
258	JOHANNESBURG	028E00 26	26S11 31	13	247.13	20	100	H	SABC3	01-Jan-82	OPE	PBS
259	JOHANNESBURG	028E00 26	26S11 31	39	615.25	0	100	H	MNET	01-Aug-86	OPE	CML
260	JOHANNESBURG	028E00 26	26S11 31	43	647.25	0	100	H	CSN	01-Jan-93	OPE	CML
261	JOHANNESBURG	028E00 26	26S11 31	47	679.25	0	200	H	etv	29-Sep-98	OPE	CML
262	KAREEDOUW	024E25 48	34S01 29	25	503.25	-20	1	H	SABC2	01-May-80	OPE	PBS
263	KAREEDOUW	024E25 48	34S01 29	29	535.25	-20	1	H	etv		LIC	CML
264	KAREEDOUW	024E25 48	34S01 29	33	567.25	-20	1	H	SABC1	01-Nov-95	OPE	PBS
265	KIMBERLEY	024E54 19	28S51 14	4	175.25	-20	100	H	SABC2	01-Nov-75	OPE	PBS
266	KIMBERLEY	024E54 19	28S51 14	7	199.25	-20	100	H	SABC1	01-Jun-82	OPE	PBS
267	KIMBERLEY	024E54 19	28S51 14	10	223.25	0	10	H	MNET	01-Nov-88	OPE	CML
268	KIMBERLEY	024E54 19	28S51 14	24	495.25	20	135	H	SABC3	01-Aug-92	OPE	PBS
269	KIMBERLEY	024E54 19	28S51 14	32	559.25	20	112	H	etv	29-Sep-98	OPE	CML
270	KING WILLIAMS TOWN	027E15 36	32S40 44	38	607.25	-20	18	H	etv	29-Sep-98	OPE	CML
271	KING WILLIAMS TOWN	027E15 36	32S40 44	56	751.25	-20	18	H	SABC2	01-Nov-79	OPE	PBS
272	KING WILLIAMS TOWN	027E15 36	32S40 44	60	783.25	-20	18.2	H	SABC1	01-Aug-87	OPE	PBS
273	KING WILLIAMS TOWN	027E15 36	32S40 44	68	847.25	-20	18	H	SABC3	30-Jan-98	OPE	PBS
274	KIRKWOOD	025E26 53	33S23 22	22	479.25	0	0.02	V	SABC2	01-Feb-89	OPE	PBS
275	KLAARSTROOM	022E31 39	33S19 58	24	495.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
276	KLAARSTROOM	022E31 39	33S19 58	28	527.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
277	KLAARSTROOM	022E31 39	33S19 58	32	559.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
278	KLEINMOND	KLEINMOND	KLEINMON	55	743.25	20	0.8	V	SABC2	10-Feb-03	OPE	PBS
279	KLEINMOND	KLEINMOND	KLEINMON	59	775.25	20	0.8	V	etv		LIC	CML
280	KLERKSDORP	026E24 29	26S45 14	32	559.25	0	100	H	etv	29-Sep-98	OP	CML
281	KLERKSDORP	026E24 29	26S45 14	37	599.25	0	10	H	SABC3	01-Mar-93	OPE	PBS
282	KLERKSDORP	026E24 29	26S45 14	41	631.25	0	100	H	SABC1	01-Feb-83	OPE	PBS
283	KLERKSDORP	026E24 29	26S45 14	45	663.25	0	100	H	SABC2	01-May-76	OPE	PBS
284	KLERKSDORP	026E24 29	26S45 14	49	695.25	0	10	H	MNET	01-Sep-89	OPE	CML
285	KNYSNA	023E02 35	34S04 18	22	479.25	0	0.5	V	SABC2	01-May-76	OPE	PBS
286	KNYSNA	023E02 35	34S04 18	26	511.25	0	0.5	V	SABC1	01-May-87	OPE	PBS
287	KNYSNA	023E02 35	34S04 18	30	543.25	0	0.5	V	etv	29-Sep-98	OPE	CML
288	KNYSNA	023E02 35	34S04 18	34	575.25	0	0.5	V	SABC3	01-Nov-95	OPE	PBS
289	KOKSTAD	029E29 24	30S36 42	34	575.25	-20	0.4	V	etv	25-Jul-00	OPE	CML
290	KOKSTAD	029E29 24	30S36 42	42	639.25	-20	0.4	V	SABC2	01-Dec-87	OPE	PBS
291	KROONSTAD	027E11 10	27S25 16	21	471.25	20	0.1	H	MNET	01-Sep-88	OPE	CML
292	KROONSTAD	027E11 10	27S25 16	53	727.25	0	100	H	etv	01-Oct-98	OPE	CML
293	KROONSTAD	027E11 10	27S25 16	57	759.25	0	100	H	SABC2	01-Dec-75	OPE	PBS
294	KROONSTAD	027E11 10	27S25 16	61	791.25	0	100	H	SABC1	01-Jan-83	OPE	PBS
295	KROONSTAD	027E11 10	27S25 16	65	823.25	0	100	H	SABC3	01-Dec-93	OPE	PBS
296	KURUMAN	023E18 49	27S21 05	56	751.25	-20	5	H	SABC1	08-Apr-05	OPE	PBS
297	KURUMAN	023E18 49	27S21 05	60	783.25	-20	5	H	SABC2	08-Apr-05	OPE	PBS
298	KURUMAN HILLS	023E33 38	27S53 13	5	183.25	20	125	H	etv	22-Sep-00	OPE	CML
299	KURUMAN HILLS	023E33 38	27S53 13	8	207.25	20	126	H	SABC2	01-Jan-79	OPE	PBS
300	KURUMAN HILLS	023E33 38	27S53 13	11	231.25	-20	126	H	SABC1	01-Nov-85	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
301	LADISMITH (CAPE)	021E25 20	33S37 54	22	479.25	0	10	H	SABC2	01-Feb-88	OPE	PBS
302	LADISMITH (CAPE)	021E25 20	33S37 54	26	511.25	0	10	H	etv		LIC	CML
303	LADYBRAND	027E22 42	29S10 18	56	751.25	20	10	H	SABC2	01-Jan-84	OPE	PBS
304	LADYBRAND	027E22 42	29S10 18	60	783.25	20	2	H	SABC1	01-Aug-93	OPE	PBS
305	LADYBRAND	027E22 42	29S10 18	68	847.25	20	10	H	etv	28-Jun-00	OPE	CML
306	LADYSMITH	029E47 19	28S35 23	21	471.25	20	0.2	V	MNET	01-Oct-92	OPE	CML
307	LADYSMITH	029E47 19	28S35 23	25	503.25	20	1	V	SABC3	01-Nov-95	OPE	PBS
308	LADYSMITH	029E47 19	28S35 23	29	535.25	20	1	V	SABC1	01-Aug-85	OPE	PBS
309	LADYSMITH	029E47 19	28S35 23	33	567.25	20	1	V	SABC2	01-Jan-78	OPE	PBS
310	LADYSMITH	029E47 19	28S35 23	42	639.25	20	1	V	etv	24-Jul-00	OPE	CML
311	LAXEY	023E09 30	26S43 54	24	495.25	0	0.008	V	SABC1	25-Oct-08	OP	PBS
312	LAXEY	023E09 30	26S43 54	33	567.25	0	0.008	V	SABC2	25-Oct-08	OP	PBS
313	LAXEY	023E09 30	26S43 54	36	591.25	0	0.008	V	SABC3	25-Oct-08	OP	PBS
314	LEEU-GAMKA	021E58 06	32S46 12	24	495.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
315	LEEU-GAMKA	021E58 06	32S46 12	28	527.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
316	LEEU-GAMKA	021E58 06	32S46 12	32	559.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
317	LINMEYER	028E04 16	26S16 08	21	471.25	-20	0.002	H	CSN	01-Jan-94	OPE	CML
318	LINMEYER	028E04 16	26S16 08	23	487.25	20	0.002	H	SABC3	01-Jan-94	OPE	PBS
319	LINMEYER	028E04 16	26S16 08	25	503.25	-20	0.002	H	etv	20-Jul-00	OPE	CML
320	LINMEYER	028E04 16	26S16 08	27	519.25	20	0.002	H	SABC1	01-Jan-94	OPE	PBS
321	LINMEYER	028E04 16	26S16 08	37	599.25	20	0.002	H	SABC2	01-Jan-94	OPE	PBS
322	LINMEYER	028E04 16	26S16 08	35	583.25	20	0.002	H	MNET	01-Jan-94	OPE	CML
323	LOOPENG	023E21 19	26S46 59	38	607.25	0	0.008	V	SABC1		LIC	PBS
324	LOOPENG	023E21 19	26S46 59	42	639.25	0	0.008	V	SABC2		LIC	PBS
325	LOOPENG	023E21 19	26S46 59	46	671.25	0	0.008	V	SABC3		LIC	PBS
326	LOSKOP	029E12 42	28S39 41	24	495.25	0	1.413	V	SABC1	02-Apr-04	OPE	PBS
327	LOSKOP	029E12 42	28S39 41	28	527.25	0	1.413	V	SABC2	02-Apr-04	OPE	PBS
328	LOUIS TRICHARDT	029E45 26	23S00 02	5	183.25	-20	16	V	SABC3	30-Nov-97	OPE	PBS
329	LOUIS TRICHARDT	029E45 26	23S00 02	8	207.25	-20	16	V	SABC2	01-Jan-80	OPE	PBS
330	LOUIS TRICHARDT	029E45 26	23S00 02	11	231.25	0	16	V	SABC1	01-Feb-89	OPE	PBS
331	LOUIS TRICHARDT	029E45 26	23S00 02	22	479.25	0	56	V	etv	29-Sep-00	OPE	CML
332	LOUWSBURG	031E16 32	27S33 44	38	607.25	-20	14.12	V	SABC1	23-Jun-06	OPE	PBS
333	LOUWSBURG	031E16 32	27S33 44	42	639.25	-20	14.12	V	SABC2	23-Jun-06	OPE	PBS
334	LYDENBURG	030E26 04	25S06 19	22	479.25	-20	0.04	V	SABC2	01-Sep-86	OPE	PBS
335	MADIBOGO	025E15 14	26S27 28	55	743.25	0	4	H	SABC1	08-Apr-05	OPE	PBS
336	MADIBOGO	025E15 14	26S27 28	67	839.25	0	4	H	SABC2	08-Apr-05	OPE	PBS
337	MALAMBA	030E15 09	22S53 56	55	743.25	-20	0.08	V	SABC2	01-Aug-90	OPE	PBS
338	MALAMBA	030E15 09	22S53 56	63	807.25	-20	0.08	V	SABC1	01-Aug-90	OPE	PBS
339	MATATIELE	028E49 19	30S23 45	40	623.25	0	10	H	SABC2	01-Aug-86	OPE	PBS
340	MATATIELE	028E49 19	30S23 45	44	655.25	0	10	H	SABC3	30-Nov-97	OPE	PBS
341	MATATIELE	028E49 19	30S23 45	48	687.25	0	10	H	SABC1	01-Nov-95	OPE	PBS
342	MATATIELE	028E49 19	30S23 45	52	719.25	0	10	H	etv	20-Jun-00	OPE	CML
343	MATJIESFONTEIN	020E30 20	33S16 52	39	615.25	-20	10	H	SABC2	01-Jul-86	OPE	PBS
344	MATJIESFONTEIN	020E30 20	33S16 52	43	647.25	-20	10	H	etv		LIC	CML
345	MAVHUNGA	030E07 18	22S56 27	21	471.25	0	0.02	V	SABC1		LIC	PBS
346	MAVHUNGA	030E07 18	22S56 27	32	559.25	0	0.02	V	SABC2		LIC	PBS
347	MAVHUNGA	030E07 18	22S56 27	36	591.25	0	0.02	V	SABC3		LIC	PBS
348	MBUZINI	031E54 53	25S52 26	5	183.25	0	2	V	SABC1	05-Dec-02	OPE	PBS
349	MBUZINI	031E54 53	25S52 26	8	207.25	20	2	V	SABC2	05-Dec-02	OPE	PBS
350	MENLO PARK	028E16 09	25S46 15	44	655.25	0	0.04	V	CSN	01-Sep-93	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
351	MENLO PARK	028E16 09	25S46 15	48	687.25	0	0.04	V	etv	29-Sep-98	OPE	CML
352	MENLO PARK	028E16 09	25S46 15	53	727.25	0	0.04	V	SABC2	01-Oct-75	OPE	PBS
353	MENLO PARK	028E16 09	25S46 15	57	759.25	0	0.04	V	SABC1	01-Oct-85	OPE	PBS
354	MENLO PARK	028E16 09	25S46 15	61	791.25	0	0.04	V	MNET	01-May-87	OPE	CML
355	MENLO PARK	028E16 09	25S46 15	65	823.25	0	0.04	V	SABC3	01-Sep-91	OPE	PBS
356	MERWEVILLE	021E30 28	32S40 09	21	471.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
357	MERWEVILLE	021E30 28	32S40 09	25	503.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
358	MERWEVILLE	021E30 28	32S40 09	29	535.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
359	MIDDELBURG	029E23 24	25S49 04	23	487.25	20	100	H	etv	29-Sep-98	OPE	CML
360	MIDDELBURG	029E23 24	25S49 04	37	599.25	20	100	H	SABC3	01-Dec-93	OPE	PBS
361	MIDDELBURG	029E23 24	25S49 04	41	631.25	20	100	H	SABC2	01-Dec-75	OPE	PBS
362	MIDDELBURG	029E23 24	25S49 04	45	663.25	20	100	H	SABC1	01-Feb-83	OPE	PBS
363	MIDDELBURG	029E23 24	25S49 04	49	695.25	20	10	H	MNET	01-Jun-91	OPE	CML
364	MONDEOR	027E59 34	26S16 52	22	479.25	0	0.09	V	CSN	01-Sep-93	OPE	CML
365	MONDEOR	027E59 34	26S16 52	24	495.25	20	0.1	V	SABC3	01-Sep-91	OPE	PBS
366	MONDEOR	027E59 34	26S16 52	26	511.25	0	0.09	V	etv	29-Sep-98	OPE	CML
367	MONDEOR	027E59 34	26S16 52	28	527.25	20	0.09	V	SABC1	01-Jul-85	OPE	PBS
368	MONDEOR	027E59 34	26S16 52	32	559.25	20	0.09	V	SABC2	01-Jan-82	OPE	PBS
369	MONDEOR	027E59 34	26S16 52	36	591.25	20	0.09	V	MNET	01-Mar-87	OPE	CML
370	MONTAGU	020E08 37	33S47 16	22	479.25	0	0.05	V	SABC2	01-Jan-88	OPE	PBS
371	MOOI RIVER	029E52 04	29S11 07	37	599.25	-20	10	H	SABC2	01-Apr-84	OPE	PBS
372	MOOI RIVER	029E52 04	29S11 07	41	631.25	-20	10	H	SABC3	30-Nov-97	OPE	PBS
373	MOOI RIVER	029E52 04	29S11 07	45	663.25	-20	10	H	SABC1	01-Nov-95	OPE	PBS
374	MOOI RIVER	029E52 04	29S11 07	49	695.25	-20	10	H	etv	21-Jun-00	OPE	CML
375	MOTSWEDI	025E52 18	25S16 55	45	663.25	-20	7	V	SABC1	08-Apr-05	OPE	PBS
376	MOTSWEDI	025E52 18	25S16 55	49	695.25	-20	7	V	SABC2	08-Apr-05	OPE	PBS
377	MOUNT AYLIFF	029E23 41	30S50 11	23	487.25	0	1	H	MNET	01-Jun-92	OPE	CML
378	MOUNT AYLIFF	029E23 41	30S50 11	27	519.25	0	10	H	TBNC	01-Dec-92	OPE	CTY
379	MOUNT AYLIFF	029E23 41	30S50 11	31	551.25	0	10	H	SABC1	01-Jul-90	OPE	PBS
380	MOUNT AYLIFF	029E23 41	30S50 11	35	583.25	0	2.2	H	SABC2	01-Jul-90	OPE	PBS
381	MOUNT AYLIFF	029E23 41	30S50 11	39	615.25	0	10	H	etv	25-Aug-00	OPE	CML
382	MOUNT AYLIFF	029E23 41	30S50 11	43	647.25	0	10	H	SABC3	30-Jan-98	OP	PBS
383	MOUNT FLETCHER	028E30 41	30S50 11	51	711.25	0	1	H	TBNC		LIC	CTY
384	MPZEMA	030E10 05	22S56 40	31	551.25	0	0.008	V	SABC1		LIC	PBS
385	MPZEMA	030E10 05	22S56 40	33	567.25	0	0.008	V	SABC2		LIC	PBS
386	MPZEMA	030E10 05	22S56 40	35	583.25	0	0.008	V	SABC3		LIC	PBS
387	MULBARTON	028E03 56	26S17 36	53	727.25	20	0.03	V	SABC3	01-Sep-91	OPE	PBS
388	MULBARTON	028E03 56	26S17 36	55	743.25	20	0.03	V	CSN	01-Sep-93	OPE	CML
389	MULBARTON	028E03 56	26S17 36	57	759.25	20	0.03	V	SABC1	01-Sep-86	OPE	PBS
390	MULBARTON	028E03 56	26S17 36	59	775.25	20	0.03	V	etv	25-Jul-00	OPE	CML
391	MULBARTON	028E03 56	26S17 36	61	791.25	20	0.03	V	SABC2	01-Sep-86	OPE	PBS
392	MULBARTON	028E03 56	26S17 36	65	823.25	20	0.03	V	MNET	01-Mar-92	OPE	CML
393	NAPIER	019E53 33	34S31 45	6	191.25	20	1	V	SABC1	01-Nov-95	OPE	PBS
394	NAPIER	019E53 33	34S31 45	9	215.25	20	1	V	SABC2	01-Apr-89	OPE	PBS
395	NAPIER	019E53 33	34S31 45	38	607.25	-20	16	H	etv		LIC	CML
396	NELSPOORT	023E02 05	32S06 36	53	727.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
397	NELSPOORT	023E02 05	32S06 36	61	791.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
398	NELSPOORT	023E02 05	32S06 36	57	759.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
399	NELSPRUIT	030E46 35	25S30 55	24	495.25	0	151	H	SABC2	01-Jul-79	OPE	PBS
400	NELSPRUIT	030E46 35	25S30 55	28	527.25	0	15	H	MNET	01-Jun-91	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
401	NELSPRUIT	030E46 35	25S30 55	32	559.25	0	151.4	H	SABC1	01-Jul-86	OPE	PBS
402	NELSPRUIT	030E46 35	25S30 55	36	591.25	0	151	H	SABC3	01-Nov-93	OPE	PBS
403	NELSPRUIT	030E46 35	25S30 55	38	607.25	0	150	H	etv	01-Feb-99	OPE	CML
404	NEWCASTLE	029E57 12	27S43 07	45	663.25	0	1	V	etv	24-Jul-00	OPE	CML
405	NEWCASTLE	029E57 12	27S43 07	56	751.25	0	1	V	SABC2	01-May-76	OP	PBS
406	NEWCASTLE	029E57 12	27S43 07	60	783.25	0	1	V	SABC1	01-Aug-85	OP	PBS
407	NEWCASTLE	029E57 12	27S43 07	64	815.25	0	0.5	V	MNET	01-Jun-90	OP	CML
408	NEWCASTLE	029E57 12	27S43 07	68	847.25	0	1	V	SABC3	01-Nov-92	OP	PBS
409	NGANGELIZWE	028E48 31	31S37 15	23	487.25	20	0.02	H	etv	28-May-02	OPE	CML
410	NGANGELIZWE	028E48 31	31S37 15	27	519.25	20	0.02	H	SABC3	01-Sep-99	OPE	PBS
411	NGANGELIZWE	028E48 31	31S37 15	39	615.25	0	0.02	H	MNET	01-Jan-92	OPE	CML
412	NGANGELIZWE	028E48 31	31S37 15	43	647.25	0	0.02	H	SABC2	01-Jan-92	OPE	PBS
413	NGANGELIZWE	028E48 31	31S37 15	47	679.25	0	0.02	H	SABC1	01-Jan-92	OPE	PBS
414	NGANGELIZWE	028E48 31	31S37 15	51	711.25	0	0.02	H	TBNC	01-Jan-92	OPE	CTY
415	NGQELENI	029E07 34	31S45 57	28	527.25	20	200	V	SABC2		LIC	PBS
416	NGQELENI	029E07 34	31S45 57	24	495.25	20	200	V	SABC1		LIC	PBS
417	NONGOMA	031E39 27	27S54 18	54	735.25	20	10	H	etv	29-Sep-98	OPE	CML
418	NONGOMA	031E39 27	27S54 18	58	767.25	20	10	H	SABC1	01-Dec-87	OPE	PBS
419	NONGOMA	031E39 27	27S54 18	62	799.25	20	10	H	SABC2	01-Nov-95	OPE	PBS
420	NONGOMA	031E39 27	27S54 18	66	831.25	20	10	H	SABC3	01-Nov-95	OPE	PBS
421	NOUPOORT	024E56 01	31S18 14	54	735.25	-20	10	H	SABC2	01-Apr-80	OPE	PBS
422	NOUPOORT	024E56 01	31S18 14	58	767.25	-20	10	H	etv		LIC	CML
423	NQUTU	030E40 42	28S15 43	55	743.25	20	15.1	V	SABC1	31-Jan-03	OPE	PBS
424	NQUTU	030E40 42	28S15 43	59	775.25	20	15.1	V	SABC2	31-Jan-03	OPE	PBS
425	NYLSTROOM	028E25 59	24S47 58	55	743.25	20	1	V	SABC2	01-Jan-83	OPE	PBS
426	NYLSTROOM	028E25 59	24S47 58	59	775.25	20	1	V	SABC1	01-Oct-85	OPE	PBS
427	NYLSTROOM	028E25 59	24S47 58	63	807.25	20	1	V	SABC3	01-Nov-95	OPE	PBS
428	NYLSTROOM	028E25 59	24S47 58	67	839.25	20	1	V	etv		LIC	CML
429	OUDTSHOORN	022E16 02	33S40 16	4	175.25	0	3.2	H	SABC3	01-Nov-95	OP	PBS
430	OUDTSHOORN	022E16 02	33S40 16	6	191.25	-20	16	H	SABC1	01-Dec-87	OPE	PBS
431	OUDTSHOORN	022E16 02	33S40 16	9	215.25	0	16	H	SABC2	01-Apr-80	OPE	PBS
432	OUDTSHOORN	022E16 02	33S40 16	13	247.13	0	3.2	H	MNET	01-May-92	OP	CML
433	OUDTSHOORN	022E16 02	33S40 16	44	655.25	20	12	H	etv		LIC	CML
434	OVERPORT	030E59 54	29S50 02	22	479.25	0	1.3	V	SABC2	01-Jul-75	OPE	PBS
435	OVERPORT	030E59 54	29S50 02	24	495.25	-20	1.3	V	CSN	01-Sep-93	OPE	CML
436	OVERPORT	030E59 54	29S50 02	26	511.25	0	1.3	V	SABC1	01-Jun-85	OPE	PBS
437	OVERPORT	030E59 54	29S50 02	28	527.25	-20	1.3	V	etv	29-Sep-98	OPE	CML
438	OVERPORT	030E59 54	29S50 02	30	543.25	0	1.3	V	MNET	01-Apr-87	OPE	CML
439	OVERPORT	030E59 54	29S50 02	34	575.25	0	1.3	V	SABC3	01-Jun-90	OPE	PBS
440	PAARL	018E56 24	33S42 53	37	599.25	0	2	V	SABC2	01-Dec-75	OPE	PBS
441	PAARL	018E56 24	33S42 53	39	615.25	-20	2.5	V	etv	29-Sep-98	OPE	CML
442	PAARL	018E56 24	33S42 53	41	631.25	0	2	V	MNET	01-Sep-87	OPE	CML
443	PAARL	018E56 24	33S42 53	45	663.25	0	2	V	SABC1	01-Jun-85	OPE	PBS
444	PAARL	018E56 24	33S42 53	47	679.25	-20	2	V	CSN	01-Sep-93	OPE	CML
445	PAARL	018E56 24	33S42 53	49	695.25	0	2	V	SABC3	01-Jun-90	OPE	PBS
446	PATENSIE	024E49 43	33S45 37	56	751.25	0	0.01	V	SABC2	01-Nov-86	OPE	PBS
447	PATENSIE	024E49 43	33S45 37	60	783.25	0	0.01	V	SABC1	01-Nov-86	OPE	PBS
448	PATENSIE	024E49 43	33S45 37	68	847.25	0	0.01	V	SABC3	01-Nov-95	OPE	PBS
449	PAUL SAUER DAM	024E33 43	33S45 13	23	487.25	0	0.02	V	SABC2	01-Oct-86	OPE	PBS
450	PAUL SAUER DAM	024E33 43	33S45 13	27	519.25	0	0.02	V	SABC1	01-Oct-86	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
451	PAUL SAUER DAM	024E33 43	33S45 13	31	551.25	0	0.02	V	SABC3	01-Nov-95	OPE	PBS
452	PETRUS STEYN	028E19 06	27S31 00	24	495.25	-20	10	H	SABC2	01-Dec-83	OPE	PBS
453	PETRUS STEYN	028E19 06	27S31 00	28	527.25	-20	10	H	etv	12-Sep-00	OPE	CML
454	PETRUS STEYN	028E19 06	27S31 00	32	559.25	-20	10	H	SABC1	01-Nov-95	OPE	PBS
455	PHALABORWA	031E08 24	23S57 02	22	479.25	20	0.2383	V	MNET	01-Jun-93	OPE	CML
456	PHILIPPOLIS	025E17 21	30S16 04	26	511.25	0	0.008	V	SABC1		LIC	PBS
457	PHILIPPOLIS	025E17 21	30S16 04	21	471.25	0	0.008	V	SABC2		LIC	PBS
458	PHILIPPOLIS	025E17 21	30S16 04	30	543.25	0	0.008	V	SABC3		LIC	PBS
459	PIET PLESSIS	024E49 55	26S14 56	38	607.25	20	10	H	SABC1	01-Nov-95	OPE	PBS
460	PIET PLESSIS	024E49 55	26S14 56	42	639.25	20	10	H	etv	20-Sep-00	OPE	CML
461	PIET PLESSIS	024E49 55	26S14 56	50	703.25	20	10	H	SABC2	01-Apr-86	OPE	PBS
462	PIET RETIEF	030E41 03	27S01 11	5	183.25	20	16	H	SABC1	01-Dec-92	OPE	PBS
463	PIET RETIEF	030E41 03	27S01 11	8	207.25	-20	16	H	etv	17-Aug-00	OPE	CML
464	PIET RETIEF	030E41 03	27S01 11	11	231.25	-20	16	H	SABC2	01-Nov-83	OPE	PBS
465	PIETERMARITZBURG	030E19 49	29S34 47	22	479.25	0	1	V	SABC1	01-Jan-82	OPE	PBS
466	PIETERMARITZBURG	030E19 49	29S34 47	26	511.25	0	1	V	SABC2	01-Jul-75	OPE	PBS
467	PIETERMARITZBURG	030E19 49	29S34 47	30	543.25	0	1	V	MNET	01-Jul-87	OPE	CML
468	PIETERMARITZBURG	030E19 49	29S34 47	34	575.25	0	1	V	SABC3	01-Jun-90	OPE	PBS
469	PIETERMARITZBURG	030E19 49	29S34 47	40	623.25	20	1	V	CSN	01-Sep-93	OPE	CML
470	PIETERMARITZBURG	030E19 49	29S34 47	44	655.25	20	1	V	etv	29-Sep-98	OPE	CML
471	PIKETBERG	018E44 19	32S49 09	6	191.25	0	10	H	SABC1	01-Dec-87	OPE	PBS
472	PIKETBERG	018E44 19	32S49 09	9	215.25	-20	10	H	SABC2	01-Aug-79	OPE	PBS
473	PIKETBERG	018E44 19	32S49 09	13	247.13	-20	10	H	SABC3	01-Nov-95	OPE	PBS
474	PIKETBERG	018E44 19	32S49 09	27	519.25	-20	120	H	etv	05-Oct-00	OPE	CML
475	PLETTENBERG BAY	023E22 30	34S03 32	23	487.25	0	0.125	V	SABC2	01-Jan-88	OPE	PBS
476	PLETTENBERG BAY	023E22 30	34S03 32	27	519.25	0	0.125	V	SABC3	01-Nov-95	OPE	PBS
477	PLETTENBERG BAY	023E22 30	34S03 32	31	551.25	0	0.125	V	SABC1	01-Nov-95	OPE	PBS
478	PLETTENBERG BAY	023E22 30	34S03 32	35	583.25	0	0.125	V	etv	29-Sep-98	OPE	CML
479	POFADDER	018E56 25	29S14 30	4	175.25	20	2.5	V	etv		LIC	CML
480	POFADDER	018E56 25	29S14 30	10	223.25	-20	2.5	V	SABC2	01-Feb-89	OPE	PBS
481	POFADDER DORP	019E23 04	29S05 24	7	199.25	0	0.1	V	MNET	01-Aug-92	OPE	CML
482	POMFRET	023E34 44	25S49 52	6	191.25	20	10	H	SABC2	01-Apr-86	OPE	PBS
483	POMFRET	023E34 44	25S49 52	9	215.25	20	10	H	SABC1	01-Nov-95	OPE	PBS
484	POMFRET	023E34 44	25S49 52	13	247.13	20	10	H	etv		LIC	CML
485	PONGOLA	031E39 00	27S31 34	22	479.25	0	0.14	V	SABC2	01-Dec-88	OPE	PBS
486	PONGOLA	031E39 00	27S31 34	26	511.25	0	0.14	V	SABC1	01-Nov-95	OPE	PBS
487	PONGOLA	031E39 00	27S31 34	30	543.25	0	0.14	V	SABC3	01-Nov-95	OPE	PBS
488	PONGOLA	031E39 00	27S31 34	34	575.25	0	0.14	V	etv	31-Jul-00	OPE	CML
489	PORT ELIZABETH	025E26 29	33S56 10	4	175.25	20	100	H	SABC1	01-Jan-82	OPE	PBS
490	PORT ELIZABETH	025E26 29	33S56 10	7	199.25	-20	100	H	SABC2	01-Oct-75	OPE	PBS
491	PORT ELIZABETH	025E26 29	33S56 10	10	223.25	20	10	H	MNET	01-Nov-87	OPE	CML
492	PORT ELIZABETH	025E26 29	33S56 10	13	247.13	-20	100	H	SABC3	01-Dec-92	OP	PBS
493	PORT ELIZABETH	025E26 29	33S56 10	37	599.25	-20	12	H	CSN	01-Sep-93	OPE	CML
494	PORT ELIZABETH	025E26 29	33S56 10	41	631.25	-20	112	H	etv	29-Sep-98	OPE	CML
495	PORT ELIZABETH CITY	025E35 31	33S55 28	47	679.25	20	2	V	etv	29-Sep-98	OPE	CML
496	PORT ELIZABETH CITY	025E35 31	33S55 28	51	711.25	20	0.4	V	CSN	01-Feb-94	OPE	CML
497	PORT ELIZABETH CITY	025E35 31	33S55 28	53	727.25	0	2	V	SABC2	01-Oct-75	OPE	PBS
498	PORT ELIZABETH CITY	025E35 31	33S55 28	57	759.25	0	2	V	SABC1	01-Jun-85	OPE	PBS
499	PORT ELIZABETH CITY	025E35 31	33S55 28	61	791.25	0	2	V	SABC3	01-Jun-90	OPE	PBS
500	PORT ELIZABETH CITY	025E35 31	33S55 28	65	823.25	0	0.5	V	MNET	01-Jan-94	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
501	PORT SHEPSTONE	030E17 17	30S44 07	5	183.25	0	100	V	SABC1	01-Jan-86	OPE	PBS
502	PORT SHEPSTONE	030E17 17	30S44 07	8	207.25	20	100	V	SABC2	01-Jan-76	OPE	PBS
503	PORT SHEPSTONE	030E17 17	30S44 07	11	231.25	20	10	V	MNET	01-Jul-91	OPE	CML
504	PORT SHEPSTONE	030E17 17	30S44 07	21	471.25	20	296	H	SABC3	01-Apr-94	OP	PBS
505	PORT SHEPSTONE	030E17 17	30S44 07	29	535.25	20	225	H	etv	29-Jan-99	OPE	CML
506	PORT ST JOHNS	029E31 39	31S36 39	53	727.25	0	1	H	SABC3	30-Nov-97	OPE	PBS
507	PORT ST JOHNS	029E31 39	31S36 39	57	759.25	0	1	H	SABC2	01-Nov-92	OPE	PBS
508	PORT ST JOHNS	029E31 39	31S36 39	61	791.25	0	1	H	SABC1	01-Nov-92	OPE	PBS
509	PORTST JOHNS	029E31 39	31S36 39	22	479.25	0	1	H	etv	30-Aug-00	OPE	CML
510	PORTST JOHNS	029E31 39	31S36 39	65	823.25	0	2.5	H	TBNC	01-Jan-95	OPE	CTY
511	POTCHEFSTROOM	027E04 32	26S41 46	63	807.25	20	0.1	V	MNET	01-Sep-92	OPE	CML
512	POTGIETERSRUS	029E14 10	24S09 24	4	175.25	20	100	H	SABC2	01-Apr-79	OPE	PBS
513	POTGIETERSRUS	029E14 10	24S09 24	7	199.25	-20	100	H	SABC1	01-Jul-82	OPE	PBS
514	POTGIETERSRUS	029E14 10	24S09 24	10	223.25	20	10	H	MNET	01-Jun-91	OPE	CML
515	POTGIETERSRUS	029E14 10	24S09 24	13	247.13	-20	100	H	SABC3	01-Jan-93	OP	PBS
516	POTGIETERSRUS	029E14 10	24S09 24	44	655.25	20	224	H	etv	29-Sep-98	OPE	CML
517	PRETORIA	027E59 03	25S41 20	5	183.25	0	100	V	SABC2	01-Jun-75	OPE	PBS
518	PRETORIA	027E59 03	25S41 20	8	207.25	20	100	V	SABC1	01-Jan-82	OPE	PBS
519	PRETORIA	027E59 03	25S41 20	11	231.25	20	100	V	SABC3	01-Jan-83	OPE	PBS
520	PRETORIA	027E59 03	25S41 20	21	471.25	20	84.6	H	MNET	01-Oct-86	OPE	CML
521	PRETORIA	027E59 03	25S41 20	25	503.25	20	28.2	H	CSN	01-Jan-93	OPE	CML
522	PRETORIA	027E59 03	25S41 20	29	535.25	20	100	H	etv	29-Sep-98	OPE	CML
523	PRETORIA NORTH	028E10 07	25S41 25	37	599.25	20	0.05	V	etv	29-Sep-98	OPE	CML
524	PRETORIA NORTH	028E10 07	25S41 25	40	623.25	-20	0.05	V	SABC2	01-Oct-86	OPE	PBS
525	PRETORIA NORTH	028E10 07	25S41 25	46	671.25	-20	0.05	V	SABC3	01-Sep-91	OPE	PBS
526	PRETORIA NORTH	028E10 07	25S41 25	50	703.25	0	0.125	V	MNET	01-Apr-92	OPE	CML
527	PRETORIA NORTH	028E10 07	25S41 25	52	719.25	-20	0.05	V	SABC1	01-Oct-86	OPE	PBS
528	PRETORIA NORTH	028E10 07	25S41 25	54	735.25	20	0.12	V	CSN	01-Sep-93	OPE	CML
529	PRIESKA	022E36 57	29S40 52	6	191.25	0	10	V	SABC2	01-Apr-84	OPE	PBS
530	PRIESKA	022E36 57	29S40 52	9	215.25	-20	10	V	etv		LIC	CML
531	PRINCE ALBERT	022E01 48	33S14 07	23	487.25	0	0.008	V	SABC1		LIC	PBS
532	PRINCE ALBERT	022E01 48	33S14 07	27	519.25	0	0.008	V	SABC2		LIC	PBS
533	PRINCE ALBERT	022E01 48	33S14 07	31	551.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
534	QUDENI	030E51 59	28S38 03	21	471.25	-20	15.1	V	SABC1	14-Feb-03	OPE	PBS
535	QUDENI	030E51 59	28S38 03	25	503.25	-20	15.1	V	SABC2	14-Feb-03	OPE	PBS
536	QUEENSTOWN	026E47 05	31S43 56	4	175.25	0	100	H	SABC1	01-Aug-86	OPE	PBS
537	QUEENSTOWN	026E47 05	31S43 56	7	199.25	20	100	H	SABC2	01-Jul-86	OPE	PBS
538	QUEENSTOWN	026E47 05	31S43 56	10	223.25	0	10	H	TBNC	01-Jan-94	OPE	CTY
539	QUEENSTOWN	026E47 05	31S43 56	22	479.25	20	230	H	SABC3	25-Aug-98	OPE	PBS
540	QUEENSTOWN	026E47 05	31S43 56	34	575.25	20	225	H	etv	30-Aug-00	OPE	CML
541	QUEENSTOWN DORP	026E52 43	31S55 03	39	615.25	0	0.2	V	MNET	01-Oct-92	OPE	CML
542	RICHARDS BAY	032E06 24	28S47 10	43	647.25	0	0.19	V	MNET	01-Aug-92	OPE	CML
543	RIVERSDALE	021E07 41	34S01 07	8	207.25	20	4	H	SABC1	01-Jul-93	OPE	PBS
544	RIVERSDALE	021E07 41	34S01 07	13	247.13	20	20	H	SABC2	01-Sep-80	OPE	PBS
545	RIVERSDALE	021E07 41	34S01 07	36	591.25	20	32	H	etv		LIC	CML
546	RUSTENBURG	027E07 06	25S36 56	56	751.25	0	10	H	SABC2	01-Dec-79	OPE	PBS
547	RUSTENBURG	027E07 06	25S36 56	60	783.25	0	10	H	SABC3	01-Nov-95	OPE	PBS
548	RUSTENBURG	027E07 06	25S36 56	64	815.25	0	10	H	SABC1	01-Mar-86	OPE	PBS
549	RUSTENBURG	027E07 06	25S36 56	68	847.25	0	10	H	etv	14-Jun-00	OPE	CML
550	RUSTENBURG CASHAN	027E14 33	25S41 26	54	735.25	0	0.1	V	MNET	01-May-92	OPE	CML

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
551	SABIE	030E45 34	25S07 44	56	751.25	0	0.1	V	SABC2	01-Dec-87	OPE	PBS
552	SABIE	030E45 34	25S07 44	60	783.25	0	0.1	V	SABC1	13-Dec-07	OPE	PBS
553	SABIE	030E45 34	25S07 44	64	815.25	0	0.1	V	etv	02-Oct-00	OPE	CML
554	SASOLBURG	027E49 35	26S47 45	41	631.25	-20	0.05	V	MNET	01-Dec-92	OPE	CML
555	SCHWEIZER RENEKE	025E13 07	27S08 13	25	503.25	0	100	H	SABC1	01-Jun-86	OPE	PBS
556	SCHWEIZER RENEKE	025E13 07	27S08 13	29	535.25	0	100	H	etv	20-Sep-00	OPE	CML
557	SCHWEIZER RENEKE	025E13 07	27S08 13	33	567.25	0	100	H	SABC2	01-May-80	OPE	PBS
558	SCHWEIZER RENEKE	025E13 07	27S08 13	21	471.25	0	100	H	SABC3	23-Jun-08	OPE	PBS
559	SEA POINT	018E23 51	33S54 33	40	623.25	20	0.4	V	SABC2	01-Oct-75	OPE	PBS
560	SEA POINT	018E23 51	33S54 33	44	655.25	20	0.4	V	MNET	01-Sep-87	OPE	CML
561	SEA POINT	018E23 51	33S54 33	48	687.25	20	0.4	V	SABC1	01-Feb-85	OPE	PBS
562	SEA POINT	018E23 51	33S54 33	52	719.25	20	0.4	V	SABC3	01-Jun-90	OPE	PBS
563	SEA POINT	018E23 51	33S54 33	55	743.25	20	0.4	V	CSN	01-Sep-93	OPE	CML
564	SEA POINT	018E23 51	33S54 33	59	775.25	20	0.4	V	etv	29-Sep-98	OPE	CML
565	SECUNDA	029E12 10	26S29 40	68	847.25	20	0.1	V	MNET	01-Jan-92	OPE	CML
566	SENEKAL	027E30 26	28S15 19	38	607.25	0	2	H	SABC1	01-Jul-93	OPE	PBS
567	SENEKAL	027E30 26	28S15 19	42	639.25	0	10	H	SABC2	01-Apr-86	OPE	PBS
568	SENEKAL	027E30 26	28S15 19	46	671.25	0	10	H	etv	20-Jul-00	OPE	CML
569	SEVERN	022E51 25	26S35 21	39	615.25	0	0.04	V	SABC1		LIC	PBS
570	SEVERN	022E51 25	26S35 21	43	647.25	0	0.04	V	SABC2		LIC	PBS
571	SEVERN	022E51 25	26S35 21	47	679.25	0	0.04	V	SABC3		LIC	PBS
572	SIBASA	030E26 54	22S56 57	38	607.25	20	0.16	V	MNET	01-Apr-92	OPE	CML
573	SIBASA	030E26 54	22S56 57	42	639.25	20	8	V	SABC2	01-Jul-90	OPE	PBS
574	SIBASA	030E26 54	22S56 57	46	671.25	20	8	V	SABC1	01-Jul-90	OPE	PBS
575	SIBASA	030E26 54	22S56 57	50	703.25	20	0.5	V	SABC3	01-Jul-90	OPE	PBS
576	SIMONSTOWN	018E25 37	34S11 54	40	623.25	0	0.2	V	SABC3	01-Nov-95	OPE	PBS
577	SIMONSTOWN	018E25 37	34S11 54	44	655.25	0	0.2	V	SABC2	01-Jul-75	OPE	PBS
578	SIMONSTOWN	018E25 37	34S11 54	48	687.25	0	0.2	V	MNET	01-Aug-87	OPE	CML
579	SIMONSTOWN	018E25 37	34S11 54	52	719.25	0	0.2	V	SABC1	01-Jul-85	OPE	PBS
580	SIMONSTOWN	018E25 37	34S11 54	56	751.25	20	0.25	V	etv	29-Sep-98	OPE	CML
581	SOMERSET EAST	025E34 41	32S42 45	53	727.25	0	0.05	V	SABC2	01-Dec-87	OPE	PBS
582	SOMERSET EAST	025E34 41	32S42 45	57	759.25	0	0.05	V	SABC3	30-Nov-97	OPE	PBS
583	SPRINGBOK	017E48 29	29S35 04	6	191.25	20	10	V	SABC2	01-Oct-80	OPE	PBS
584	SPRINGBOK	017E48 29	29S35 04	9	215.25	20	10	V	SABC1	01-Nov-95	OPE	PBS
585	SPRINGBOK	017E48 29	29S35 04	13	247.13	20	10	V	etv		LIC	CML
586	SPRINGFONTEIN	025E46 08	30S16 14	37	599.25	20	10	H	SABC2	01-Apr-86	OPE	PBS
587	SPRINGFONTEIN	025E46 08	30S16 14	45	663.25	20	10	H	etv		LIC	CML
588	STANDERTON	029E12 51	26S57 37	50	703.25	-20	0.1	V	etv	16-Aug-00	OPE	CML
589	STANDERTON	029E12 51	26S57 37	56	751.25	0	0.1	V	SABC2	01-Nov-86	OPE	PBS
590	STANDERTON	029E12 51	26S57 37	60	783.25	0	0.1	V	SABC1	01-Nov-86	OPE	PBS
591	STANDERTON	029E12 51	26S57 37	64	815.25	0	0.1	V	MNET	01-Jan-93	OPE	CML
592	STANDERTON	029E12 51	26S57 37	68	847.25	0	0.1	V	SABC3	01-Nov-95	OPE	PBS
593	STELLENBOSCH	018E52 11	33S54 56	48	687.25	-20	0.1	V	etv	29-Sep-98	OPE	CML
594	STELLENBOSCH	018E52 11	33S54 56	52	719.25	-20	0.1	V	CSN	01-Sep-93	OPE	CML
595	STELLENBOSCH	018E52 11	33S54 56	56	751.25	0	0.1	V	SABC2	01-Aug-75	OPE	PBS
596	STELLENBOSCH	018E52 11	33S54 56	60	783.25	0	0.1	V	SABC1	01-Jun-85	OPE	PBS
597	STELLENBOSCH	018E52 11	33S54 56	64	815.25	0	0.1	V	MNET	01-Sep-87	OPE	CML
598	STELLENBOSCH	018E52 11	33S54 56	68	847.25	0	0.1	V	SABC3	01-Jun-90	OPE	PBS
599	STERKSPRUIT	027E16 14	30S41 44	37	599.25	0	20	V	SABC1	25/06/2004	OPE	PBS
600	STERKSPRUIT	027E16 14	30S41 44	41	631.25	0	20	V	SABC2	25/06/2004	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
601	STRAALHOEK	029E50 53	30S20 49	53	727.25	-20	10	V	SABC1	23-May-03	OPE	PBS
602	STRAALHOEK	029E50 53	30S20 49	57	759.25	-20	10	V	SABC2	23-May-03	OPE	PBS
603	SUIDRAND (KROONSTAD	027E14 16	27S41 18	23	487.25	20	0.25	V	SABC2	13-Dec-75	OPE	PBS
604	SUIDRAND (KROONSTAD	027E14 16	27S41 18	27	519.25	20	0.25	V	SABC1	01-Jul-85	OPE	PBS
605	SUIDRAND (KROONSTAD	027E14 16	27S41 18	31	551.25	20	0.25	V	SABC3	01-Nov-95	OPE	PBS
606	SUIDRAND (KROONSTAD	027E14 16	27S41 18	67	839.25	0	0.25	V	MNET	01-Oct-87	OPE	CML
607	SUNNYSIDE	028E12 24	25S45 53	38	607.25	0	1	V	etv	29-Sep-98	OPE	CML
608	SUNNYSIDE	028E12 24	25S45 53	46	671.25	0	1	V	CSN	01-Sep-93	OPE	CML
609	SUNNYSIDE	028E12 24	25S45 53	55	743.25	0	1	V	SABC2	01-Aug-90	OPE	PBS
610	SUNNYSIDE	028E12 24	25S45 53	59	775.25	0	1	V	SABC3	01-Aug-90	OPE	PBS
611	SUNNYSIDE	028E12 24	25S45 53	63	807.25	0	1	V	SABC1	01-Aug-90	OPE	PBS
612	SUNNYSIDE	028E12 24	25S45 53	67	839.25	0	1	V	MNET	01-Aug-90	OPE	CML
613	SUPINGSTAD	026E01 36	24S47 20	56	751.25	-20	1.3	V	SABC1	22-Dec-04	OPE	PBS
614	SUPINGSTAD	026E01 36	24S47 20	60	783.25	-20	1.3	V	SABC2	22-Dec-04	OPE	PBS
615	SUURBERG	025E34 29	33S14 55	55	743.25	-20	40	H	etv	25-May-00	OPE	CML
616	SUURBERG	025E34 29	33S14 55	59	775.25	-20	40	H	SABC2	01-Apr-79	OPE	PBS
617	SUURBERG	025E34 29	33S14 55	63	807.25	-20	40	H	SABC1	01-Nov-95	OPE	PBS
618	SUURBERG	025E34 29	33S14 55	67	839.25	-20	40	H	SABC3	30-Nov-97	OPE	PBS
619	SWARTRUGGENS	026E48 09	25S40 59	32	559.25	-20	0.5	V	SABC2	01-Oct-85	OPE	PBS
620	SWARTRUGGENS	026E48 09	25S40 59	36	591.25	-20	0.5	V	etv		LIC	CML
621	TABLE MOUNTAIN	018E24 13	33S57 25	24	495.25	0	0.5	V	SABC2	01-Oct-75	OPE	PBS
622	TABLE MOUNTAIN	018E24 13	33S57 25	28	527.25	0	0.5	V	SABC1	01-Feb-85	OPE	PBS
623	TABLE MOUNTAIN	018E24 13	33S57 25	36	591.25	0	0.5	V	MNET	01-Aug-87	OPE	CML
624	TABLE MOUNTAIN	018E24 13	33S57 25	56	751.25	-20	0.59	V	SABC3	01-Oct-92	OPE	PBS
625	TABLE MOUNTAIN	018E24 13	33S57 25	60	783.25	-20	0.23	V	CSN	01-Sep-93	OPE	CML
626	TABLE MOUNTAIN	018E24 13	33S57 25	64	815.25	-20	0.5	V	etv	29-Sep-98	OPE	CML
627	TAUNG	024E37 00	27S31 30	43	647.25	-20	2	H	SABC1	14-Nov-02	OPE	PBS
628	TAUNG	024E37 00	27S31 30	47	679.25	-20	2	H	SABC2	16-Feb-01	OPE	PBS
629	THABAZIMBI	027E36 51	24S27 59	6	191.25	20	151	V	SABC2	01-Apr-83	OPE	PBS
630	THABAZIMBI	027E36 51	24S27 59	9	215.25	20	151.4	V	SABC1	01-Jul-93	OPE	PBS
631	THABAZIMBI	027E36 51	24S27 59	38	607.25	-20	135	H	etv	18-Aug-00	OPE	CML
632	THABAZIMBI	027E36 51	24S27 59	42	639.25	-20	135	H	SABC3	30-Nov-01	OPE	PBS
633	THE BLUFF	031E00 45	29S54 40	37	599.25	0	2.5	V	SABC2	01-Jul-75	OPE	PBS
634	THE BLUFF	031E00 45	29S54 40	39	615.25	0	1.3	V	CSN	01-Oct-93	OPE	CML
635	THE BLUFF	031E00 45	29S54 40	41	631.25	0	2.5	V	SABC1	01-Jan-82	OPE	PBS
636	THE BLUFF	031E00 45	29S54 40	43	647.25	0	2.5	V	etv	29-Sep-98	OPE	CML
637	THE BLUFF	031E00 45	29S54 40	45	663.25	0	2.5	V	MNET	01-Sep-87	OPE	CML
638	THE BLUFF	031E00 45	29S54 40	49	695.25	0	2.5	V	SABC3	01-Jun-90	OPE	PBS
639	THEUNISSEN	026E34 50	28S11 55	5	183.25	-20	126	H	SABC2	01-Nov-75	OPE	PBS
640	THEUNISSEN	026E34 50	28S11 55	8	207.25	-20	126	H	SABC1	01-Apr-82	OPE	PBS
641	THEUNISSEN	026E34 50	28S11 55	11	231.25	0	13	H	MNET	01-Nov-88	OPE	CML
642	THEUNISSEN	026E34 50	28S11 55	22	479.25	0	34	H	SABC3	01-Feb-94	OPE	PBS
643	THEUNISSEN	026E34 50	28S11 55	26	511.25	0	35	H	etv	29-Sep-98	OPE	CML
644	TOLWE	028E27 29	23S04 59	39	615.25	0	16	V	SABC1	16-May-03	OPE	PBS
645	TOLWE	028E27 29	23S04 59	43	647.25	0	16	V	SABC2	16-May-03	OPE	PBS
646	TOUWSRIVIER	020E01 12	33S20 59	24	495.25	-20	0.02	V	SABC2	01-Oct-86	OPE	PBS
647	TSHAMAVUDZI	030E31 42	22S39 15	53	727.25	-20	5	V	SABC2	01-Dec-90	OPE	PBS
648	TSHAMAVUDZI	030E31 42	22S39 15	57	759.25	-20	5	V	SABC1	01-Dec-90	OPE	PBS
649	TYGERBERG	018E35 46	33S52 29	22	479.25	-20	2	V	SABC2	01-Apr-91	OPE	PBS
650	TYGERBERG	018E35 46	33S52 29	26	511.25	-20	2	V	SABC1	01-Apr-91	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
651	TYGERBERG	018E35 46	33S52 29	30	543.25	-20	1	V	MNET	01-Aug-91	OPE	CML
652	TYGERBERG	018E35 46	33S52 29	34	575.25	-20	2	V	SABC3	01-Jun-90	OPE	PBS
653	TYGERBERG	018E35 46	33S52 29	42	639.25	-20	1	V	CSN	01-Apr-93	OPE	CML
654	TYGERBERG	018E35 46	33S52 29	46	671.25	-20	2	V	etv	29-Sep-98	OPE	CML
655	TZANEEN	030E11 38	23S47 08	54	735.25	20	0.3	V	MNET	09-Jan-93	OPE	CML
656	TZANEEN	030E00 17	23S47 06	56	751.25	20	151	H	SABC3	01-Nov-93	OPE	PBS
657	TZANEEN	030E00 17	23S47 06	60	783.25	20	151.4	H	SABC1	01-Apr-89	OPE	PBS
658	TZANEEN	030E00 17	23S47 06	64	815.25	20	151	H	SABC2	01-Sep-80	OPE	PBS
659	TZANEEN	030E00 17	23S47 06	68	847.25	20	150	H	etv	29-Sep-98	OPE	CML
660	UBOMBO	032E04 52	27S33 42	37	599.25	0	100	H	SABC1	01-Jul-93	OPE	PBS
661	UBOMBO	032E04 52	27S33 42	41	631.25	0	100	H	etv	31-Jul-00	OPE	CML
662	UBOMBO	032E04 52	27S33 42	45	663.25	0	100	H	SABC2	01-Jul-86	OPE	PBS
663	UBOMBO	032E04 52	27S33 42	49	695.25	0	100	H	SABC3	01-Nov-95	OPE	PBS
664	UGIE	027E58 26	31S11 28	24	495.25	0	0.35	V	SABC2	01-Jun-88	OPE	PBS
665	UGIE	027E58 26	31S11 28	28	527.25	0	0.35	V	SABC1	01-Aug-93	OPE	PBS
666	UGIE	027E58 26	31S11 28	32	559.25	0	0.35	V	etv		LIC	CML
667	ULUNDI	031E23 38	28S27 00	6	191.25	20	50	V	SABC1	13-Dec-02	OPE	PBS
668	ULUNDI	031E23 38	28S27 00	9	215.25	20	50	V	SABC2	13-Dec-02	OPE	PBS
669	ULUNDI	031E23 38	28S27 00	11	231	20	50	V	SABC3	14-Jun-06	OPE	PBS
670	UMTATA	028E44 36	31S35 48	37	599.25	0	10	H	SABC3	30-Jan-98	OP	PBS
671	UMTATA	028E44 36	31S35 48	45	663.25	0	10	H	etv	28-May-02	OPE	CML
672	UMTATA	028E44 36	31S35 48	55	743.25	0	10	H	MNET	01-Aug-91	OPE	CML
673	UMTATA	028E44 36	31S35 48	59	775.25	0	10	H	SABC2	01-Jan-89	OPE	PBS
674	UMTATA	028E44 36	31S35 48	63	807.25	0	10	H	SABC1	01-Jan-89	OPE	PBS
675	UMTATA	028E44 36	31S35 48	67	839.25	0	10	H	TBNC	01-Feb-90	OPE	CTY
676	UNIONDALE	023E03 06	33S43 23	24	495.25	20	2.5	V	SABC2	01-Apr-87	OPE	PBS
677	UNIONDALE	023E03 06	33S43 23	28	527.25	20	5	V	etv		LIC	CML
678	UNIONDALE TOWN	023E07 35	33S38 47	32	559.25	20	0.005	V	SABC2	01-Apr-89	OPE	PBS
679	UPINGTON	021E44 12	28S52 56	7	199.25	20	112	H	etv		LIC	CML
680	UPINGTON	021E44 12	28S52 56	10	223.25	20	100	H	SABC2	01-Jun-79	OPE	PBS
681	UPINGTON TOWN	021E12 00	28S30 25	21	471.25	-20	0.4	V	MNET	01-Jan-93	OPE	CML
682	UPINGTON TOWN	021E12 00	28S30 25	25	503.25	-20	0.4	V	SABC1	01-May-93	OPE	PBS
683	VAN RHYNSDORP	018E41 24	31S45 16	4	175.25	0	10	H	SABC1	01-Nov-95	OPE	PBS
684	VAN RHYNSDORP	018E41 24	31S45 16	7	199.25	0	100	H	etv		LIC	CML
685	VAN RHYNSDORP	018E41 24	31S45 16	10	223.25	0	100	H	SABC2	01-Aug-80	OPE	PBS
686	VERULAM	031E02 19	29S38 25	21	471.25	0	0.01	V	SABC2	01-Jan-87	OPE	PBS
687	VERULAM	031E02 19	29S38 25	25	503.25	0	0.01	V	SABC1	01-Jan-87	OPE	PBS
688	VERULAM	031E02 19	29S38 25	29	535.25	0	0.01	V	SABC3	01-Nov-95	OPE	PBS
689	VERULAM	031E02 19	29S38 25	33	567.25	0	0.01	V	etv	20-Jul-00	OPE	CML
690	VICTORIA WEST	023E13 50	31S41 15	9	215.25	20	0.5	V	SABC2	01-Jun-89	OPE	PBS
691	VICTORIA WEST	023E13 50	31S41 15	39	615.25	0	0.5	H	etv		LIC	CML
692	VILLIERS	028E36 57	27S02 08	64	815.25	0	0.016	V	SABC1		LIC	PBS
693	VILLIERS	028E36 57	27S02 08	68	847.25	0	0.016	V	SABC2		LIC	PBS
694	VILLIERS	028E36 57	27S02 08	60	783.25	0	0.016	V	SABC3		LIC	PBS
695	VILLIERSDORP	019E30 25	33S58 09	4	175.25	20	1.8	H	MNET	01-Jun-92	OPE	CML
696	VILLIERSDORP	019E30 25	33S58 09	7	199.25	-20	100	H	SABC2	01-Nov-75	OPE	PBS
697	VILLIERSDORP	019E30 25	33S58 09	10	223.25	20	10	H	SABC1	01-Dec-87	OPE	PBS
698	VILLIERSDORP	019E30 25	33S58 09	57	759.25	-20	112	H	etv	03-Dec-98	OPE	CML
699	VILLIERSDORP	019E30 25	33S58 09	61	791.25	-20	112.22	H	SABC3	01-Dec-02	OPE	PBS
700	VOLKSRUST	029E53 15	27S18 33	6	191.25	-20	10	V	SABC2	01-Aug-79	OPE	PBS

ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

		GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
NO	STATION NAME	LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(kW)	POL	PROG	ONAIRDATE	STAT	CAT
701	VOLKSRUST	029E53 15	27S18 33	9	215.25	0	10	V	SABC1	01-Mar-89	OPE	PBS
702	VOLKSRUST	029E53 15	27S18 33	13	247.13	-20	10	V	etv	29-Sep-98	OPE	CML
703	VOLKSRUST	029E53 15	27S18 33	54	735.25	0	10	H	SABC3	01-Sep-98	OP	PBS
704	VRYHEID	030E47 38	27S44 27	22	479.25	0	10	H	etv	24-Jul-00	OPE	CML
705	VRYHEID	030E47 38	27S44 27	39	615.25	-20	10	H	SABC2	01-Dec-83	OPE	PBS
706	VRYHEID	030E47 38	27S44 27	43	647.25	-20	10	H	SABC3	30-Nov-97	OPE	PBS
707	VRYHEID	030E47 38	27S44 27	47	679.25	-20	10	H	SABC1	01-Dec-92	OPE	PBS
708	VRYHEID	030E47 38	27S44 27	51	711.25	-20	1	H	MNET	01-Sep-92	OPE	CML
709	VRYHEID TOWN	030E46 23	27S46 44	54	735.25	-20	0.04	H	MNET	18-Feb-93	OPE	CML
710	WELVERDIEND	027E14 55	26S26 47	4	175.25	0	100	H	SABC1	01-Jan-83	OPE	PBS
711	WELVERDIEND	027E14 55	26S26 47	7	199.25	20	100	H	SABC2	01-Sep-75	OPE	PBS
712	WELVERDIEND	027E14 55	26S26 47	10	223.25	-20	100	H	SABC3	01-Aug-92	OPE	PBS
713	WELVERDIEND	027E14 55	26S26 47	27	519.25	0	225	H	etv	29-Sep-98	OPE	CML
714	WILLISTON	020E55 08	31S19 31	42	639.25	20	0.5	H	SABC2	01-Jan-88	OPE	PBS
715	WILLISTON	020E55 08	31S19 31	50	703.25	20	0.5	H	etv		LIC	CML
716	WILLOWMORE	023E27 36	33S14 05	57	759.25	-20	10	H	SABC2	01-Apr-87	OPE	PBS
717	WILLOWMORE	023E27 36	33S14 05	61	791.25	-20	10	H	etv		LIC	CML
718	WINDYRIDGE	027E14 05	32S45 10	24	495.25	20	100	H	TBNC	01-Jun-93	OPE	CTY
719	WITSIESHOEK	028E50 52	28S31 02	24	495.25	0	0.25	V	SABC2	01-Feb-87	OPE	PBS
720	WITSIESHOEK	028E50 52	28S31 02	28	527.25	0	0.25	V	SABC1	01-Feb-87	OPE	PBS
721	WITSIESHOEK	028E50 52	28S31 02	32	559.25	0	0.25	V	etv	12-Sep-00	OPE	CML
722	ZEERUST	026E02 51	25S51 37	40	623.25	0	100	H	SABC3	21-Feb-03	OPE	PBS
723	ZEERUST	026E02 51	25S51 37	44	655.25	0	100	H	SABC1	01-Jul-86	OPE	PBS
724	ZEERUST	026E02 51	25S51 37	48	687.25	0	100	H	etv	29-Sep-98	OPE	CML
725	ZEERUST	026E02 51	25S51 37	52	719.25	0	100	H	SABC2	01-Aug-80	OPE	PBS

ANNEXURE E

TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
1	ABERDEEN	24	E3	1	32	S28	40	21	471.25	N	0.005	VER	SBC1	OPE	PBS
2	ABERDEEN	24	E3	1	32	S28	40	25	503.25	N	0.005	VER	SBC2	OPE	PBS
3	ABERDEEN	24	E3	1	32	S28	40	29	535.25	N	0.005	VER	SBC3	OPE	PBS
4	ADELAIDE	26	E20	36	32	S41	52	42	639.25	20M	0.016	VER	MNET	OPE	CML
5	AGGENEYS BLACK MNTN	18	E57	15	29	S14	3	4	175.25	20M	0.251	VER	MNET	OPE	CML
6	AGGENEYS BLACK MNTN 1	18	E57	15	29	S14	3	118	99.3	N	0.316	VER	2000	OPE	PBS
7	AGGENEYS BLACK MOUNTAIN 2	18	E50	4	29	S14	52	39	615.25	N	0.004	VER	ETV	OPE	CML
8	AGGENEYS BLACK MOUNTAIN 2	18	E50	4	29	S14	52	43	647.25	N	0.004	VER	SBC1	OPE	PBS
9	AGGENEYS BLACK MOUNTAIN 2	18	E50	4	29	S14	52	47	679.25	N	0.004	VER	SBC3	OPE	PBS
10	AGULHAS	20	E1	18	34	S49	7	68	847.25	N	0.013	VER	ETV	OPE	CML
11	AGULHAS	20	E1	18	34	S49	7	64	815.25	N	0.013	VER	SBC1	OPE	PBS
12	AGULHAS	20	E1	18	34	S49	7	60	783.25	N	0.013	VER	SBC2	OPE	PBS
13	AGULHAS	20	E1	18	34	S49	7	56	751.25	N	0.013	VER	SBC3	OPE	PBS
14	ALIWAL NOORD	26	E41	13	30	S43	9	67	839.25	N	0.008	HOR	MNET	OPE	CML
15	ALIWAL NORTH GOEDEM	26	E22	18	30	S33	30	46	671.25	N	0.003	HOR	SBC1	OPE	PBS
16	ARNOT ESKOM T104	29	E48	43	25	S56	33	63	807.25	N	0.005	VER	MNET	OPE	CML
17	ATOK PLATINUM MINE	29	E50	45	24	S16	16	30	543.25	N	5E-04	VER	SBC1	OPE	PBS
18	ATOK PLATINUM MINE	29	E50	45	24	S16	16	34	575.25	N	5E-04	VER	SBC2	OPE	PBS
19	ATOK PLATINUM MINE	29	E50	45	24	S16	15	26	511.25	N	0.004	VER	MNET	OPE	CML
20	ASKHAM	20	E47	36	27	S0	3	34	575.25	N	0.05	VER	ETV	OPE	CML
21	ASKHAM	20	E47	36	27	S0	3	22	479.25	N	0.05	VER	SBC1	OPE	PBS
22	ASKHAM	20	E47	36	27	S0	3	26	511.25	N	0.05	VER	SBC2	OPE	PBS
23	ASKHAM	20	E47	36	27	S0	3	30	543.25	N	0.05	VER	SBC3	OPE	PBS
24	ASKHAM BLOUKRANS	20	E22	27	26	S57	29	22	479.25	N	0.025	HOR	SBC2	OPE	PBS
25	ATOK PLATINUM MINE	29	E50	45	24	S16	16	30	543.25	N	5E-04	VER	SBC1	OPE	PBS
26	ATOK PLATINUM MINE	29	E50	45	24	S16	16	34	575.25	N	5E-04	VER	SBC2	OPE	PBS
27	AUGRABIES	20	E27	32	28	S39	27	56	751.25	N	0.005	VER	MNET	OPE	CML
28	BADPLAAS STERKSPRUIT	30	E42	35	25	S54	42	48	687.25	N	1E-04	VER	SBC2	OPE	PBS
29	BARBERTON AGNES	30	E59	9	25	S49	47	43	647.25	N	0.003	VER	SBC1	OPE	PBS
30	BARBERTON AGNES	30	E59	9	25	S49	47	39	615.25	N	0.003	VER	SBC2	OPE	PBS
31	BARBERTON AGNES	30	E59	9	25	S49	47	47	679.25	N	0.001	VER	MNET	OPE	CML
32	BARBERTON AGNES	30	E59	9	25	S49	47	51	711.25	N	0.003	VER	SBC3	OPE	PBS
33	BARBERTON FAIRVIEW	31	E5	36	25	S44	17	30	543.25	N	8E-04	VER	SBC1	OPE	PBS
34	BARBERTON FAIRVIEW	31	E5	36	25	S44	17	34	575.25	N	8E-04	VER	SBC2	OPE	PBS
35	BARBERTON SHEBA	31	E8	32	25	S42	46	40	623.25	N	0.002	VER	MNET	OPE	CML
36	BARBERTON SHEBA	31	E8	32	25	S42	46	48	687.25	N	0.003	VER	SBC1	OPE	PBS
37	BARBERTON SHEBA	31	E8	32	25	S42	46	52	719.25	N	0.003	VER	SBC2	OPE	PBS
38	BARBERTON SHEBA	31	E8	32	25	S42	46	44	655.25	N	0.003	VER	SBC3	OPE	PBS
39	BARBERTON SHEBA LINK	31	E7	27	25	S42	6	64	815.25	N	0.002	VER	SBC1	OPE	PBS
40	BARBERTON SHEBA LINK	31	E7	27	25	S42	6	56	751.25	N	0.002	VER	SBC2	OPE	PBS
41	BARBERTON SHEBA LINK	31	E7	27	25	S42	6	60	783.25	N	0.002	VER	MNET	OPE	CML
42	BARBERTON SHEBA LINK	31	E7	27	25	S42	6	68	847.25	N	0.002	VER	SBC3	OPE	PBS
43	BARBERTON TONETTI	31	E22	25	25	S37	26	34	575.25	N	5E-04	VER	SBC1	OPE	PBS
44	BARKLY EAST	27	E35	49	30	S57	31	31	551.25	N	0.004	VER	ETV	OPE	CML
45	BARKLY EAST	27	E35	49	30	S57	31	35	583.25	N	0.004	VER	SBC1	OPE	PBS
46	BARKLY EAST	27	E35	49	30	S57	31	27	519.25	N	0.004	VER	SBC3	OPE	PBS
47	BARKLY E ASHTON	27	E38	41	30	S46	42	44	655.25	N	0.002	VER	SBC2	OPE	PBS
48	BARKLY E GROOTVLEI	27	E37	34	30	S58	50	10	223.25	N	0.003	VER	SBC2	OPE	PBS
49	BARKLY E HALSTONE	27	E47	46	30	S44	5	48	687.25	N	0.005	VER	SBC2	OPE	PBS
50	BARKLY E NAAUPOORT	27	E28	45	31	S11	42	23	487.25	N	0.001	VER	SBC2	OPE	PBS
51	BARRYDALE	33	E54	7	20	S44	33	58	767.25	N	0.016	VER	ETV	OPE	CML
52	BARRYDALE	33	E54	7	20	S44	33	60	783.25	N	0.016	VER	SBC1	OPE	PBS
53	BARRYDALE	33	E54	7	20	S44	33	56	751.25	N	0.016	VER	SBC2	OPE	PBS
54	BARRYDALE	33	E54	7	20	S44	33	64	815.25	N	0.016	VER	SBC3	OPE	PBS
55	BARRYDALE	33	E53	8	20	S44	33	68	847.25	N	0.05	VER	MNET	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
56	BEAUFORT WEST	22 E34 31	32 S20 49	37	599.25	N	0.004	VER	ETV	OPE	CML
57	BEAUFORT WEST	22 E34 31	32 S20 49	41	631.25	N	0.008	VER	SBC3	OPE	PBS
58	BEESHOEK POSTMASBURG	23 E1 19	28 S18 27	39	615.25	N	0.005	VER	MNET	OPE	CML
59	BEDFORD CAMERONS GLN	26 E2 41	32 S26 45	42	639.25	N	0.002	VER	SBC2	OPE	PBS
60	BEDFORD EILDON	26 E3 29	32 S24 40	45	663.25	N	5E-04	VER	SBC1	OPE	PBS
61	BEDFORD EILDON	26 E3 29	32 S24 40	41	631.25	N	5E-04	VER	SBC2	OPE	PBS
62	BERGVILLE BERWIN	29 E25 40	28 S45 15	47	679.25	N	0.004	VER	SBC2	OPE	PBS
63	BERGVILLE JAGERS	29 E8 57	28 S35 20	50	703.25	N	0.004	VER	MNET	OPE	CML
64	BERGVILLE JAGERSRUST	29 E5 52	28 S35 44	34	575.25	N	0.006	VER	ETV	OPE	CML
65	BERGVILLE JAGERSRUST	29 E5 52	28 S35 44	46	671.25	N	0.006	VER	SBC1	OPE	PBS
66	BERGVILLE JAGERSRUST	29 E5 52	28 S35 44	42	639.25	N	0.006	VER	SBC2	OPE	PBS
67	BERGVILLE JAGERSRUST	29 E5 52	28 S35 44	38	607.25	N	0.006	VER	SBC3	OPE	PBS
68	BETHAL	29 E29 20	26 S27 42	55	743.25	N	0.005	VER	MNET	OPE	CML
69	BETHLEHEM PANORAMA	28 E19 53	28 S13 14	43	647.25	N	0.013	VER	ETV	OPE	CML
70	BETHLEHEM PANORAMA	28 E19 53	28 S13 14	51	711.25	N	0.013	VER	SBC1	OPE	PBS
71	BETHLEHEM PANORAMA	28 E19 53	28 S13 14	53	727.25	N	0.013	VER	SBC2	OPE	PBS
72	BETHLEHEM PANORAMA	28 E19 53	28 S13 14	47	679.25	N	0.013	VER	SBC3	OPE	PBS
73	BETHULIE	25 E58 15	30 S29 31	56	751.25	N	0.005	VER	MNET	OPE	CML
74	BETHULIE	25 E58 15	30 S29 31	64	815.25	N	0.001	VER	SBC1	OPE	PBS
75	BETHULIE	25 E58 15	30 S29 31	60	783.25	N	0.001	VER	SBC2	OPE	PBS
76	BETHULIE	25 E58 15	30 S29 31	68	847.25	N	0.001	VER	SBC3	OPE	PBS
77	BETTYSBAAI	18 E53 42	34 S22 25	35	583.25	20P	0.016	VER	ETV	OPE	CML
78	BETTYSBAAI	18 E53 42	34 S22 25	51	711.25	N	0.016	VER	SBC1	OPE	PBS
79	BETTYSBAAI	18 E53 42	34 S22 25	47	679.25	N	0.016	VER	SBC2	OPE	PBS
80	BETTYSBAAI	18 E53 42	34 S22 25	39	615.25	N	0.016	VER	SBC3	OPE	PBS
81	BLOEMHOF	25 E36 4	27 S38 36	29	535.25	N	0.004	VER	SBC3	OPE	PBS
82	BLOEMHOF	16 E52 14	29 S15 43	39	615.25	N	0.02	VER	MNET	OPE	CML
83	BONNIEVALE	20 E7 15	33 S56 30	33	567.25	N	0.05	VER	MNET	OPE	CML
84	BONNIEVALE	20 E7 9	33 S56 32	37	599.25	20P	0.05	VER	ETV	OPE	CML
85	BONNIEVALE	20 E7 9	33 S56 32	29	535.25	20P	0.05	VER	SBC1	OPE	PBS
86	BONNIEVALE	20 E7 9	33 S56 32	21	471.25	20P	0.05	VER	SBC2	OPE	PBS
87	BONNIEVALE	20 E7 9	33 S56 32	25	503.25	20P	0.05	VER	SBC3	OPE	PBS
88	BONNIEVALE HAPPY VALLEY	20 E4 13	33 S56 10	51	711.25	N	0.004	VER	ETV	OPE	CML
89	BONNIEVALE HAPPY VALLEY	20 E4 13	33 S56 10	55	743.25	N	0.004	VER	SBC1	OPE	PBS
90	BONNIEVALE HAPPY VALLEY	20 E4 13	33 S56 10	59	775.25	N	0.004	VER	SBC2	OPE	PBS
91	BONNIEVALE HAPPY VALLEY	20 E4 13	33 S56 10	63	807.25	N	0.004	VER	SBC3	OPE	PBS
92	BOTHAVILLE	26 E37 16	27 S21 50	43	647.25	N	0.005	VER	MNET	OPE	CML
93	BO-TREINTJIESPLAAS	20 E29 37	31 S53 20	21	471.25	N	0.004	VER	SBC2	OPE	PBS
94	BO-VISRIVIER	20 E25 22	32 S18 54	52	719.25	N	0.007	VER	SBC2	OPE	PBS
95	BO-VISRIVIER DRIEFONTEIN	20 E29 28	32 S26 39	66	831.25	N	0.003	VER	SBC2	OPE	PBS
96	BRANDVLEI	20 E29 2	30 S27 15	65	823.25	N	0.006	VER	ETV	OPE	CML
97	BRANDVLEI	20 E29 2	30 S27 15	57	759.25	N	0.006	VER	SBC1	OPE	PBS
98	BRANDVLEI	20 E29 2	30 S27 15	53	727.25	N	0.006	VER	SBC2	OPE	PBS
99	BRANDVLEI	20 E29 2	30 S27 15	61	791.25	N	0.006	VER	SBC3	OPE	PBS
100	BRANDVLEI RODE SE PUT	20 E48 17	30 S10 26	37	599.25	N	0.016	HOR	SBC2	OPE	PBS
101	BREDASDORP	20 E3 10	34 S31 36	53	727.25	N	0.003	VER	SBC1	OPE	PBS
102	BREDASDORP	20 E3 10	34 S31 36	55	743.25	N	0.005	VER	MNET	OPE	CML
103	BREDASDORP	20 E3 10	34 S31 36	61	791.25	N	0.005	VER	SBC3	OPE	PBS
104	BREERIVIER HUGOSKRAAL	19 E14 14	33 S34 30	56	751.25	N	9E-04	VER	SBC2	OPE	PBS
105	BREERIVIER WITELSRIVIER	19 E11 26	33 S36 21	67	839.25	N	5E-04	VER	SBC2	OPE	PBS
106	BREERIVIER WOLWEKLOOF	19 E16 0	33 S25 20	61	791.25	N	0.004	VER	MNET	OPE	CML
107	BREERIVIER WOLWEKLOOF	19 E16 0	33 S25 20	57	759.25	N	5E-04	VER	SBC1	OPE	PBS
108	BREERIVIER WOLWEKLOOF	19 E16 0	33 S25 20	53	727.25	N	5E-04	VER	SBC2	OPE	PBS
109	BRITSTOWN	23 E30 7	30 S35 16	58	767.25	N	0.004	VER	ETV	OPE	CML
110	BRITSTOWN	23 E30 7	30 S35 16	54	735.25	N	0.004	VER	SBC3	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES LONGITUDE	LATITUDE	TRANSMITTER CH	FREQ	OFFSET	ANTENNA ERP	POL	ADMINISTRATIVE RECORDS PROG	STAT	CAT
111	BUFFELSRIVIER	17 E35 56	29 S41 58	67	839.25	N	0.004	VER	ETV	OPE	CML
112	BUFFELSRIVIER	17 E35 56	29 S41 58	55	743.25	N	0.004	VER	SBC1	OPE	PBS
113	BUFFELSRIVIER	17 E35 56	29 S41 58	59	775.25	N	0.004	VER	SBC2	OPE	PBS
114	BUFFELSRIVIER	17 E35 56	29 S41 58	63	807.25	N	0.004	VER	SBC3	OPE	PBS
115	BURGERSDORP	26 E20 20	31 S0 3	47	679.25	N	0.01	VER	MNET	OPE	CML
116	BURGERSDORP	26 E20 20	31 S0 3	51	711.25	N	0.01	VER	SBC3	OPE	PBS
117	BURGERSFORT TEIKEN BOERE	30 E17 30	24 S54 54	31	551.25	N	0.005	VER	SBC2	OPE	PBS
118	BURGERSFORT WELGEVONDEN	30 E19 19	24 S45 15	21	471.25	N	0.004	VER	SBC2	OPE	PBS
119	CALA LUFUTHA	27 E38 49	31 S38 25	22	479.25	N	0.04	VER	SBC1	OPE	PBS
120	CALA LUFUTHA	27 E38 49	31 S38 25	26	511.25	N	0.04	VER	SBC2	OPE	PBS
121	CALA LUFUTHA	27 E38 49	31 S38 25	30	543.25	N	0.04	VER	SBC3	OPE	PBS
122	CALEDON	19 E25 32	34 S13 3	23	487.25	N	0.003	VER	ETV	OPE	CML
123	CALEDON	19 E25 32	34 S13 3	25	503.25	N	0.003	VER	SBC1	OPE	PBS
124	CALEDON	19 E25 32	34 S13 3	21	471.25	N	0.003	VER	SBC2	OPE	PBS
125	CALEDON	19 E25 32	34 S13 3	29	535.25	N	0.003	VER	SBC3	OPE	PBS
126	CALEDON	19 E25 32	34 S13 3	33	567.25	N	0.005	VER	MNET	OPE	CML
127	CALEDON HELDERSTROOM	19 E21 54	34 S4 29	40	623.25	N	0.004	VER	ETV	OPE	CML
128	CALEDON HELDERSTROOM	19 E21 54	34 S4 29	63	807.25	N	0.004	VER	SBC1	OPE	PBS
129	CALEDON HELDERSTROOM	19 E21 54	34 S4 29	55	743.25	N	0.004	VER	SBC2	OPE	PBS
130	CALEDON HELDERSTROOM	19 E21 54	34 S4 29	67	839.25	N	0.004	VER	SBC3	OPE	PBS
131	CALEDON MEERLUSKLOOF	19 E25 37	34 S2 45	59	775.25	N	0.002	VER	SBC2	OPE	PBS
132	CALITZDORP	21 E40 37	33 S31 50	33	567.25	N	0.02	VER	MNET	OPE	CML
133	CALITZDORP	21 E40 37	33 S31 50	29	535.25	20P	0.018	VER	SBC1	OPE	PBS
134	CALITZDORP	21 E40 37	33 S31 50	25	503.25	20P	0.018	VER	SBC2	OPE	PBS
135	CALITZDORP	21 E40 37	33 S31 50	21	471.25	20P	0.018	VER	SBC3	OPE	PBS
136	CALVINIA C21	19 E46 34	31 S27 0	26	511.25	20P	0.08	VER	MNET	OPE	CML
137	CALVINIA	19 E46 34	31 S27 0	30	543.25	20P	0.032	VER	SBC1	OPE	PBS
138	CALVINIA	19 E46 34	31 S27 0	34	575.25	N	0.032	VER	SBC3	OPE	PBS
139	CALVINIA NARESIE	19 E26 18	31 S18 3	24	495.25	N	0.003	VER	SBC2	OPE	PBS
140	CARLTONVILLE DEELKRL	27 E18 36	26 S28 7	55	743.25	N	0.006	VER	MNET	OPE	CML
141	CARLTONVILLE W/D/LVL	27 E24 32	26 S25 34	54	735.25	20P	0.015	VER	MNET	OPE	CML
142	CARLTONVILLE WESTERN DEEP	27 E24 5	26 S25 7	28	527.25	N	0.008	VER	ETV	OPE	CML
143	CARLTONVILLE WESTERN DEEP	27 E24 5	26 S25 7	62	799.25	20P	0.008	VER	SBC1	OPE	PBS
144	CARLTONVILLE WESTERN DEEP	27 E24 5	26 S25 7	66	831.25	N	0.008	VER	SBC2	OPE	PBS
145	CARLTONVILLE WESTERN DEEP	27 E24 5	26 S25 7	58	767.25	N	0.008	VER	SBC3	OPE	PBS
146	CARNARVON	22 E7 47	30 S58 31	37	599.25	N	0.004	VER	SBC1	OPE	PBS
147	CARNARVON	22 E7 47	30 S58 31	41	631.25	N	0.004	VER	SBC3	OPE	PBS
148	CERES	19 E27 32	33 S15 13	36	591.25	20M	0.126	VER	ETV	OPE	CML
149	CERES	19 E27 32	33 S15 13	25	503.25	20M	0.126	VER	SBC1	OPE	PBS
150	CERES C12.2	19 E27 32	33 S15 13	29	535.25	20M	0.126	VER	MNET	OPE	CML
151	CERES	19 E27 32	33 S15 13	33	567.25	20M	0.126	VER	SBC3	OPE	PBS
152	CEZA	31 E24 44	27 S58 12	34	575.25	N	0.04	VER	ETV	OPE	CML
153	CEZA	31 E24 44	27 S58 12	22	479.25	N	0.04	VER	SBC1	OPE	PBS
154	CEZA	31 E24 44	27 S58 12	26	511.25	N	0.04	VER	SBC2	OPE	PBS
155	CEZA	31 E24 44	27 S58 12	30	543.25	N	0.04	VER	SBC3	OPE	PBS
156	CHRISTIANA	25 E10 24	27 S53 48	37	599.25	20P	0.025	VER	MNET	OPE	CML
157	CHRISTIANA	25 E10 24	27 S53 48	41	631.25	20P	0.004	VER	SBC3	OPE	PBS
158	CITRUSDAL	19 E1 6	32 S34 50	63	807.25	20P	0.016	VER	SBC1	OPE	PBS
159	CITRUSDAL	19 E1 6	32 S34 50	55	743.25	N	0.016	VER	SBC2	OPE	PBS
160	CITRUSDAL	19 E1 6	32 S34 50	59	775.25	N	0.016	VER	SBC3	OPE	PBS
161	CITRUSDAL	19 E1 6	32 S34 50	67	839.25	N	0.016	VER	MNET	OPE	CML
162	CITRUSDAL PALMIETFONTEIN	18 E53 36	32 S26 49	64	815.25	N	1E-04	VER	SBC2	OPE	PBS
163	CLANWILLIAM	18 E52 42	32 S10 47	36	591.25	N	0.008	VER	ETV	OPE	CML
164	CLANWILLIAM	18 E52 42	32 S10 47	28	527.25	N	0.008	VER	SBC1	OPE	PBS
165	CLANWILLIAM	18 E52 42	32 S10 47	24	495.25	N	0.008	VER	SBC2	OPE	PBS
166	CLANWILLIAM	18 E52 42	32 S10 47	32	559.25	N	0.008	VER	SBC3	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
167	CLANWILLIAM ELANDSFONTEIN	18 E52 35	32 S21 49	23	487.25	N	0.01	VER	SBC2	OPE	PBS
168	CLARENS	28 E24 57	28 S31 25	57	759.25	N	0.01	VER	SBC1	OPE	PBS
169	CLARENS	28 E24 57	28 S31 25	65	823.25	N	0.01	VER	SBC2	OPE	PBS
170	CLOCOLAN	27 E35 0	28 S54 48	48	687.25	N	0.04	VER	SBC1	OPE	PBS
171	COLESBERG	25 E5 17	30 S44 1	31	551.25	N	0.004	VER	ETV	OPE	CML
172	COLESBERG	25 E5 17	30 S44 1	27	519.25	N	0.004	VER	SBC3	OPE	PBS
173	COLESBERG	25 E5 48	30 S43 51	42	639.25	N	0.006	VER	MNET	OPE	CML
174	CONCORDIA	17 E56 16	29 S32 34	50	703.25	N	0.004	VER	ETV	OPE	CML
175	CONCORDIA	17 E56 16	29 S32 34	38	607.25	N	0.004	VER	SBC1	OPE	PBS
176	CONCORDIA	17 E56 16	29 S32 34	42	639.25	N	0.004	VER	SBC2	OPE	PBS
177	CONCORDIA	17 E56 16	29 S32 34	46	671.25	N	0.004	VER	SBC3	OPE	PBS
178	COOKHOUSE	25 E46 5	32 S44 8	65	823.25	N	0.004	VER	ETV	OPE	CML
179	COOKHOUSE	25 E46 5	32 S44 8	61	791.25	N	0.004	VER	SBC3	OPE	PBS
180	COOKHOUSE	25 E46 5	32 S44 8	57	759.25	N	0.003	VER	SBC1	OPE	PBS
181	COOKHOUSE	25 E46 5	32 S44 8	53	727.25	N	0.003	VER	SBC2	OPE	PBS
182	CRADOCK	25 E37 49	32 S9 51	117	99.2	N	0.015	VER	2000	OPE	PBS
183	CRADOCK	25 E37 49	32 S9 51	60	783.25	N	0.032	VER	ETV	OPE	CML
184	CRADOCK	25 E37 49	32 S9 51	56	751.25	N	0.03	VER	MNET	OPE	CML
185	CRADOCK BERGKWAGGA	25 E27 48	32 S13 32	32	559.25	N	0.002	VER	SBC1	OPE	PBS
186	CRADOCK BERGKWAGGA	25 E27 48	32 S13 32	28	527.25	N	0.002	VER	SBC2	OPE	PBS
187	CRADOCK GEVANGENIS	25 E36 29	32 S9 38	42	639.25	N	1E-04	VER	SBC1	OPE	PBS
188	CRADOCK GEVANGENIS	25 E36 29	32 S9 38	38	607.25	N	1E-04	VER	SBC2	OPE	PBS
189	CRADOCK GEVANGENIS	25 E36 29	32 S9 38	50	703.25	N	1E-04	VER	SBC3	OPE	PBS
190	DANIELSKUIL	23 E32 54	28 S10 39	21	471.25	N	0.004	VER	SBC2	OPE	PBS
191	DANIELSKUIL	23 E32 54	28 S10 39	25	503.25	N	0.005	VER	MNET	OPE	CML
192	DE AAR II C47	24 E1 23	30 S38 40	24	495.25	N	0.005	VER	MNET	OPE	CML
193	DE AAR	24 E1 23	30 S38 40	36	591.25	N	0.016	VER	ETV	OPE	CML
194	DE AAR	24 E1 23	30 S38 40	28	527.25	N	0.016	VER	SBC3	OPE	PBS
195	DE RUST	22 E31 21	33 S29 18	31	551.25	N	0.004	VER	ETV	OPE	CML
196	DE RUST	22 E31 21	33 S29 18	27	519.25	N	0.004	VER	SBC1	OPE	PBS
197	DE RUST	22 E31 21	33 S29 18	35	583.25	N	0.004	VER	SBC2	OPE	PBS
198	DE RUST	22 E31 21	33 S29 18	23	487.25	N	0.004	VER	SBC3	OPE	PBS
199	DELAREYVILLE	25 E27 34	26 S42 18	39	615.25	N	0.005	VER	MNET	OPE	CML
200	DELAREYVILLE	25 E27 34	26 S42 18	43	647.25	N	0.025	VER	SBC3	OPE	PBS
201	DEWETSDORP O61.3	26 E39 39	29 S34 46	65	823.25	N	0.005	VER	MNET	OPE	CML
202	DEWETSDORP	26 E39 37	29 S34 44	62	799.25	N	0.003	VER	SBC1	OPE	PBS
203	DEWETSDORP	26 E39 37	29 S34 44	58	767.25	N	0.003	VER	SBC3	OPE	PBS
204	DIBENG	22 E53 1	27 S35 17	54	735.25	N	0.008	VER	SBC3	OPE	PBS
205	DORDRECHT	27 E2 10	31 S23 7	36	591.25	N	0.008	VER	ETV	OPE	CML
206	DORDRECHT	27 E2 10	31 S23 7	24	495.25	N	0.008	VER	SBC1	OPE	PBS
207	DORDRECHT	27 E2 10	31 S23 7	28	527.25	N	0.008	VER	SBC2	OPE	PBS
208	DORDRECHT	27 E2 10	31 S23 7	32	559.25	N	0.008	VER	SBC3	OPE	PBS
209	DORDRECHT DRIEFNTEIN	27 E2 34	31 S25 8	40	623.25	N	3E-04	VER	SBC1	OPE	PBS
210	DORDRECHT DRIEFNTEIN	27 E2 34	31 S25 8	44	655.25	N	3E-04	VER	SBC2	OPE	PBS
211	DUIVELSKLOOF	30 E8 59	23 S41 39	39	615.25	N	0.008	VER	ETV	OPE	CML
212	DUIVELSKLOOF	30 E8 59	23 S41 36	49	695.25	N	0.004	VER	MNET	OPE	CML
213	DUIVELSKLOOF	30 E8 59	23 S41 39	45	663.25	N	0.008	VER	SBC1	OPE	PBS
214	DUIVELSKLOOF	30 E8 59	23 S41 39	41	631.25	N	0.008	VER	SBC2	OPE	PBS
215	DUIVELSKLOOF	30 E8 59	23 S41 39	37	599.25	N	0.008	VER	SBC3	OPE	PBS
216	DUNDEE/GLENCOE	30 E9 6	28 S9 49	37	599.25	N	0.05	VER	MNET	OPE	CML
217	EKSTEENFONTEIN	17 E15 15	28 S49 27	65	823.25	N	0.004	VER	ETV	OPE	CML
218	EKSTEENFONTEIN	17 E15 15	28 S49 27	53	727.25	N	0.004	VER	SBC1	OPE	PBS
219	EKSTEENFONTEIN	17 E15 15	28 S49 27	57	759.25	N	0.004	VER	SBC2	OPE	PBS
220	EKSTEENFONTEIN	17 E15 15	28 S49 27	61	791.25	N	0.004	VER	SBC3	OPE	PBS
221	EKULINDENI	31 E0 43	26 S3 22	65	823.25	N	0.003	VER	ETV	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
222	EKULINDENI	31	E0	43	26	S3	22	57	759.25	N	0.003	VER	SBC1	OPE	PBS
223	EKULINDENI	31	E0	43	26	S3	22	53	727.25	N	0.003	VER	SBC2	OPE	PBS
224	EKULINDENI	31	E0	43	26	S3	22	61	791.25	N	0.003	VER	SBC3	OPE	PBS
225	ELLISRAS	27	E57	34	23	S37	41	53	727.25	20M	0.1	VER	SBC3	OPE	PBS
226	FELIXTON	31	E53	48	28	S50	15	26	511.25	N	0.02	VER	SBC1	OPE	PBS
227	FELIXTON	31	E53	48	28	S50	15	22	479.25	N	0.02	VER	SBC2	OPE	PBS
228	FELIXTON	31	E53	48	28	S50	15	30	543.25	N	0.005	VER	MNET	OPE	CML
229	FELIXTON	31	E53	48	28	S50	15	30	543.25	N	0.02	VER	SBC3	OPE	PBS
230	FICKSBURG O62.1	27	E51	30	28	S52	30	23	487.25	N	0.025	VER	MNET	OPE	CML
231	FICKSBURG	27	E51	30	28	S52	30	27	519.25	N	0.003	VER	SBC1	OPE	PBS
232	FICKSBURG	27	E51	30	28	S52	30	31	551.25	N	0.003	VER	SBC3	OPE	PBS
233	FOCHVILLE ELANDSRAND	27	E21	35	26	S27	15	35	583.25	N	0.1	VER	MNET	OPE	CML
234	FORT BEAUFORT LORR	26	E39	33	32	S38	33	45	663.25	N	7E-04	VER	SBC2	OPE	PBS
235	FOURIESBURG	28	E12	53	28	S37	37	52	719.25	N	0.002	VER	SBC1	OPE	PBS
236	FOURIESBURG	28	E12	53	28	S37	37	40	623.25	N	0.002	VER	SBC2	OPE	PBS
237	FOURIESBURG	28	E12	53	28	S37	37	48	687.25	N	0.005	VER	MNET	OPE	CML
238	FRANKFORT	28	E30	27	27	S16	47	68	847.25	N	0.001	VER	SBC1	OPE	PBS
239	FRANKFORT	28	E30	27	27	S16	47	64	815.25	N	0.001	VER	SBC2	OPE	PBS
240	FRANKFORT	28	E30	27	27	S16	47	56	751.25	N	0.001	VER	SBC3	OPE	PBS
241	FRANKFORT	28	E30	27	27	S16	47	60	783.25	N	0.004	VER	MNET	OPE	CML
242	FRANSCHHOEK DRAKENSTEIN	19	E8	8	33	S55	15	33	567.25	N	0.004	VER	SBC2	OPE	PBS
243	FRANSCHOEK LA MOTTE	19	E4	29	33	S54	23	41	631.25	N	0.001	HOR	MNET	OPE	CML
244	FRANSCHOEK LA MOTTE	19	E4	29	33	S54	23	45	663.25	N	8E-04	HOR	SBC1	OPE	PBS
245	FRANSCHOEK LA MOTTE	19	E4	29	33	S54	23	32	559.25	N	8E-04	HOR	SBC2	OPE	PBS
246	FRANSCHOEK LA MOTTE	19	E4	29	33	S54	23	49	695.25	N	8E-04	HOR	SBC3	OPE	PBS
247	FRASERBURG	21	E30	27	31	S54	58	111	98.6	N	0.003	VER	2000	OPE	PBS
248	FRASERBURG	21	E30	27	31	S54	58	55	743.25	N	0.005	VER	ETV	OPE	CML
249	FRASERBURG	21	E30	27	31	S54	58	61	791.25	N	0.005	VER	SBC1	OPE	PBS
250	FRASERBURG	21	E30	27	31	S54	58	57	759.25	N	0.005	VER	SBC2	OPE	PBS
251	FRASERBURG	21	E30	27	31	S54	58	53	727.25	N	0.003	VER	MNET	OPE	CML
252	FRASERBURG	21	E30	27	31	S54	58	65	823.25	N	0.005	VER	SBC3	OPE	PBS
253	FRASERBURG BURGERPOS	21	E2	4	31	S48	47	33	567.25	N	0.001	VER	SBC2	OPE	PBS
254	FRASERBURG TAFELKOP	21	E12	21	32	S9	49	23	487.25	N	0.016	VER	SBC2	OPE	PBS
255	GARIES C30	17	E59	13	30	S33	31	36	591.25	N	0.001	VER	MNET	OPE	CML
256	GENADENDAL	19	E32	58	34	S1	39	21	471.25	N	0.002	VER	ETV	OPE	CML
257	GENADENDAL	19	E32	58	34	S1	39	24	495.25	N	0.002	VER	SBC1	OPE	PBS
258	GENADENDAL	19	E32	58	34	S1	39	28	527.25	N	0.002	VER	SBC2	OPE	PBS
259	GENADENDAL	19	E32	58	34	S1	39	32	559.25	N	0.002	VER	SBC3	OPE	PBS
260	GEORGE BERGPLAAS	22	E43	46	33	S53	8	41	631.25	N	0.013	VER	SBC1	OPE	PBS
261	GEORGE BERGPLAAS	22	E43	46	33	S53	8	37	599.25	N	0.013	VER	SBC2	OPE	PBS
262	GIYANI	30	E40	23	23	S19	37	21	471.28	20P	0.036	VER	MNET	OPE	CML
263	GLEN COWIE	29	E48	29	24	S50	33	68	847.25	N	6E-04	VER	ETV	OPE	CML
264	GLEN COWIE	29	E48	29	24	S50	33	56	751.25	N	6E-04	VER	SBC1	OPE	PBS
265	GLEN COWIE	29	E48	29	24	S50	33	60	783.25	N	6E-04	VER	SBC2	OPE	PBS
266	GLEN COWIE	29	E48	29	24	S50	33	64	815.25	N	6E-04	VER	SBC3	OPE	PBS
267	GLENMILL GLENDALE	31	E7	54	29	S19	4	48	687.25	N	0.002	VER	SBC1	OPE	PBS
268	GLENMILL GLENDALE	31	E7	54	29	S19	4	52	719.25	N	0.002	VER	SBC2	OPE	PBS
269	GLENMILL GLENDALE	31	E7	54	29	S19	4	44	655.25	N	0.002	VER	SBC3	OPE	PBS
270	GOODHOUSE	18	E14	1	28	S54	20	68	847.25	N	0.004	VER	ETV	OPE	CML
271	GOODHOUSE	18	E14	1	28	S54	20	56	751.25	N	0.004	VER	SBC1	OPE	PBS
272	GOODHOUSE	18	E14	1	28	S54	20	60	783.25	N	0.004	VER	SBC2	OPE	PBS
273	GOODHOUSE	18	E14	1	28	S54	20	64	815.25	N	0.004	VER	SBC3	OPE	PBS
274	GRAAFF-REINET	24	E30	11	32	S15	42	26	511.25	N	0.004	VER	SBC1	OPE	PBS
275	GRAAFF-REINET	24	E30	11	32	S15	42	34	575.25	N	0.004	VER	SBC2	OPE	PBS
276	GRAAF-REIN 2	24	E31	54	32	S14	31	22	479.25	N	0.04	VER	MNET	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
277	GRAAF-REIN 2	24	E31	54	32	S14	31	9	215.25	N	0.04	VER	SBC1	OPE	PBS
278	GRAAF-REIN 2	24	E31	54	32	S14	31	30	543.25	N	0.04	VER	SBC3	OPE	PBS
279	GRAHAMSTOWN	26	E30	4	33	S19	42	33	567.25	N	0.005	VER	MNET	OPE	CML
280	GRAHAMSTOWN	26	E30	4	33	S19	42	29	535.25	N	0.006	VER	SBC3	OPE	PBS
281	GRANAATBOSKOLK LOOP10	20	E8	47	30	S0	14	57	759.25	N	5E-04	VER	SBC2	OPE	PBS
282	GRAVELOTTE MURCHISON	30	E42	52	23	S53	8	49	695.25	N	5E-04	VER	SBC1	OPE	PBS
283	GREYLINGSTAD T124	28	E46	11	26	S44	17	54	735.25	N	0.002	HOR	MNET	OPE	CML
284	GREYLINGSTAD	28	E46	11	26	S44	17	62	799.25	N	5E-04	HOR	SBC1	OPE	PBS
285	GREYLINGSTAD	28	E46	11	26	S44	17	58	767.25	N	5E-04	HOR	SBC2	OPE	PBS
286	GREYTOWN N64.1	30	E36	47	29	S2	5	63	807.25	N	0.005	VER	MNET	OPE	CML
287	GREYTOWN MUDEN	30	E21	47	28	S56	58	25	503.25	N	0.001	VER	SBC1	OPE	PBS
288	GREYTOWN MUDEN	30	E21	47	28	S56	58	21	471.25	N	0.002	VER	SBC2	OPE	PBS
289	GRIEKWASTAD	23	E13	49	28	S49	13	65	823.25	N	1E-04	HOR	SBC1	OPE	PBS
290	GROBLERSHOOP	21	E44	12	28	S52	57	31	551.25	N	0.004	VER	ETV	OPE	CML
291	GROBLERSHOOP	21	E44	12	28	S52	57	23	487.25	N	0.004	VER	SBC1	OPE	PBS
292	GROBLERSHOOP	21	E44	12	28	S52	57	27	519.25	N	0.004	VER	SBC3	OPE	PBS
293	GROOT-BRAKRIVIER	22	E12	59	34	S2	33	31	551.25	20P	0.001	VER	ETV	OPE	CML
294	GROOTDERM BAKEN	16	E47	13	28	S25	11	100	97.5	N	1E-04	VER	2000	OPE	PBS
295	GROOTDERM BAKEN	16	E47	13	28	S25	11	30	543.25	N	0.003	VER	MNET	OPE	CML
296	GROOTDERM BAKEN	16	E47	13	28	S25	11	34	575.25	N	5E-04	VER	SBC2	OPE	PBS
297	GROOTDERM BRANDKAROS	16	E39	35	28	S29	28	64	815.25	N	1E-04	VER	SBC2	OPE	PBS
298	GROOTDERM KODASPIEK	16	E59	35	28	S13	39	27	519.25	N	0.005	VER	SBC2	OPE	PBS
299	GROOTDERM KUBOES	16	E59	20	28	S27	7	51	711.25	N	0.001	VER	ETV	OPE	CML
300	GROOTDERM KUBOES	16	E59	20	28	S27	7	43	647.25	N	0.001	VER	SBC1	OPE	PBS
301	GROOTDERM KUBOES	16	E59	20	28	S27	7	39	615.25	N	0.001	VER	SBC2	OPE	PBS
302	GROOTDERM KUBOES	16	E59	20	28	S27	7	46	671.25	N	0.001	VER	SBC3	OPE	PBS
303	GROOTDERM SENDELINGSDRIFT	16	E53	52	28	S7	24	24	495.25	N	0.001	VER	MNET	OPE	CML
304	GROOTDERM SENDELINGSDRIFT	16	E53	52	28	S7	24	32	559.25	N	1E-04	VER	SBC2	OPE	PBS
305	GROOTVLEI ESKOM	28	E28	40	26	S44	26	21	471.25	N	0.005	VER	MNET	OPE	CML
306	GROOTVLEI ESKOM	28	E28	40	26	S44	26	27	519.25	N	0.001	VER	ETV	OPE	CML
307	GROOTVLEI ESKOM	28	E28	40	26	S44	26	29	535.25	N	0.001	VER	SBC1	OPE	PBS
308	GROOTVLEI ESKOM	28	E28	40	26	S44	26	33	567.25	N	0.001	VER	SBC2	OPE	PBS
309	GROOTVLEI ESKOM	28	E28	40	26	S44	26	25	503.25	N	0.001	VER	SBC3	OPE	PBS
310	HANKEY	24	E53	9	33	S50	14	54	735.25	N	0.004	VER	MNET	OPE	CML
311	HARDING	29	E52	30	30	S35	0	29	535.25	N	0.003	VER	MNET	OPE	CML
312	HARDING	29	E52	24	30	S35	3	36	591.25	N	0.003	VER	ETV	OPE	CML
313	HARDING	29	E52	24	30	S35	3	25	503.25	N	0.003	VER	SBC1	OPE	PBS
314	HARDING	29	E52	24	30	S35	3	22	479.25	N	0.003	VER	SBC2	OPE	PBS
315	HARDING	29	E52	24	30	S35	3	34	575.25	N	0.003	VER	SBC3	OPE	PBS
316	HARDING WEZA	29	E44	43	30	S34	55	28	527.25	N	0.006	VER	SBC1	OPE	PBS
317	HARDING WEZA	29	E44	43	30	S34	55	36	591.25	N	0.006	VER	SBC2	OPE	PBS
318	HARRISMITH O74	29	E6	25	28	S15	18	21	471.25	20M	0.02	VER	MNET	OPE	CML
319	HARRISMITH STERKFONTEIN DAM	29	E2	45	28	S24	40	41	631.25	N	0.005	VER	SBC1	OPE	PBS
320	HARRISMITH STERKFONTEIN DAM	29	E2	45	28	S24	40	37	599.25	N	0.005	VER	SBC2	OPE	PBS
321	HARTSWATER	24	E48	29	27	S44	56	56	751.25	N	0.05	VER	MNET	OPE	CML
322	HECTORSPRUIT IVAURA	31	E39	16	25	S34	16	21	471.25	N	0.008	VER	SBC1	OPE	PBS
323	HECTORSPRUIT IVAURA	31	E39	16	25	S34	16	34	575.25	N	0.008	VER	SBC2	OPE	PBS
324	HEIDELBERG CP	20	E56	56	34	S5	53	28	527.25	N	0.004	VER	ETV	OPE	CML
325	HEIDELBERG CP	20	E56	56	34	S5	53	32	559.25	N	0.004	VER	SBC1	OPE	PBS
326	HEIDELBERG CP	20	E56	56	34	S5	53	24	495.25	N	0.004	VER	SBC3	OPE	PBS
327	HEIDELBERG WITSAND	20	E50	42	34	S23	43	52	719.25	N	0.003	VER	ETV	OPE	CML
328	HEIDELBERG WITSAND	20	E50	42	34	S23	43	40	623.25	N	0.005	VER	SBC1	OPE	PBS
329	HEIDELBERG WITSAND	20	E50	42	34	S23	43	44	655.25	N	0.005	VER	SBC2	OPE	PBS
330	HEIDELBERG WITSAND	20	E50	42	34	S23	43	48	687.25	N	0.005	VER	SBC3	OPE	PBS
331	HEILBRON	27	E57	53	27	S17	29	52	719.25	N	0.001	VER	SBC1	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
332	HEILBRON	27	E57	53	27	S17	29	44	655.25	N	0.001	VER	SBC2	OPE	PBS
333	HEILBRON	27	E57	53	27	S17	29	48	687.25	N	0.001	VER	SBC3	OPE	PBS
334	HELDERSATORM	19	E23	47	34	S5	24	35	583.25	N	0.004	VER	MNET	OPE	CML
335	HERMANUS * C2.1	19	E13	23	34	S24	47	36	591.25	20M	0.028	VER	MNET	OPE	CML
336	HEROLDSBAAI	22	E23	23	34	S3	13	38	607.25	N	0.003	VER	MNET	OPE	CML
337	HEROLDSBAAI	22	E23	23	34	S3	13	46	671.25	N	0.003	VER	SBC1	OPE	PBS
338	HEROLDSBAAI	22	E23	23	34	S3	13	42	639.25	N	0.003	VER	SBC2	OPE	PBS
339	HEROLDSBAAI	22	E23	23	34	S3	13	50	703.25	N	0.006	VER	SBC3	OPE	PBS
340	HERSCHEL	27	E11	11	30	S35	42	50	703.25	N	0.008	VER	ETV	OPE	CML
341	HERSCHEL	27	E11	11	30	S35	42	38	607.25	N	0.008	VER	SBC1	OPE	PBS
342	HERSCHEL	27	E11	11	30	S35	42	42	639.25	N	0.008	VER	SBC2	OPE	PBS
343	HERSCHEL	27	E11	11	30	S35	42	46	671.25	N	0.008	VER	SBC3	OPE	PBS
344	HEX RIVER VALLEY	19	E40	54	33	S28	40	27	519.25	N	0.025	VER	ETV	OPE	CML
345	HEX RIVER VALLEY	19	E40	54	33	S28	40	31	551.25	N	0.025	VER	SBC1	OPE	PBS
346	HEX RIVER VALLEY	19	E40	54	33	S28	40	35	583.25	N	0.025	VER	SBC3	OPE	PBS
347	HEXRIVIER SANDHILLS KANETVILLE	19	E32	8	33	S31	0	63	807.25	N	1E-04	VER	SBC2	OPE	PBS
348	HLOBANE ALPHA ANTHRACITE	31	E7	36	27	S43	27	62	799.25	N	5E-04	VER	SBC1	OPE	PBS
349	HLOBANE ALPHA ANTHRACITE	31	E7	36	27	S43	27	58	767.25	N	5E-04	VER	SBC2	OPE	PBS
350	HLOBANE COLLIERY	31	E2	5	27	S42	42	28	527.25	N	0.006	VER	SBC1	OPE	PBS
351	HLOBANE COLLIERY	31	E2	5	27	S42	42	32	559.25	N	0.006	VER	SBC2	OPE	PBS
352	HLOBANE COLLIERY	31	E2	5	27	S42	42	36	591.25	N	0.006	VER	SBC3	OPE	PBS
353	HLOBANE RUSTENBURG	31	E11	6	27	S47	29	55	743.25	N	0.01	VER	SBC2	OPE	PBS
354	HOEDSPRUIT T112	30	E52	19	24	S32	22	45	663.25	N	0.1	VER	MNET	OPE	CML
355	HONDEKLIPBAAI	17	E16	34	30	S19	2	38	607.25	N	0.005	VER	SBC1	OPE	PBS
356	HONDEKLIPBAAI	17	E16	34	30	S19	2	42	639.25	N	0.005	VER	SBC3	OPE	PBS
357	HOPETOWN	24	E5	6	29	S37	47	38	607.25	N	0.01	VER	ETV	OPE	CML
358	HOPETOWN	24	E5	6	29	S37	47	42	639.25	N	0.01	VER	SBC1	OPE	PBS
359	HOPETOWN	24	E5	6	29	S37	47	46	671.25	N	0.01	VER	SBC2	OPE	PBS
360	HOPETOWN	24	E5	6	29	S37	47	50	703.25	N	0.01	VER	SBC3	OPE	PBS
361	HOTAZEL	22	E57	51	27	S12	13	38	607.25	20M	0.05	VER	MNET	OPE	CML
362	HOTAZEL	22	E57	59	27	S12	20	42	639.25	N	0.05	VER	SBC3	OPE	PBS
363	HOTAZEL BLACK ROCK	22	E50	2	27	S7	33	46	671.25	N	0.013	VER	SBC3	OPE	PBS
364	HOTAZEL BLACK ROCK	22	E50	2	27	S7	33	50	703.25	N	0.008	VER	MNET	OPE	CML
365	HUMANSDORP EERSTERIV	24	E13	19	34	S4	11	39	615.25	N	0.002	VER	SBC2	OPE	PBS
366	HUMANSDORP OUBOSSTND	24	E11	25	34	S3	26	51	711.25	N	0.002	VER	SBC2	OPE	PBS
367	IFAFA MARINA	30	E38	23	30	S26	21	32	559.25	N	0.002	VER	SBC2	OPE	PBS
368	INDWE PINEGROVE	27	E18	6	31	S20	23	48	687.25	N	0.003	VER	SBC1	OPE	PBS
369	INDWE PINEGROVE	27	E18	6	31	S20	23	40	623.25	N	0.003	VER	SBC2	OPE	PBS
370	JAGERSFONTEIN	25	E25	52	29	S45	22	50	703.25	N	0.005	VER	SBC1	OPE	PBS
371	JAGERSFONTEIN	25	E25	52	29	S45	22	42	639.25	N	0.005	VER	SBC2	OPE	PBS
372	JAGERSFONTEIN	25	E25	52	29	S45	22	38	607.25	N	0.005	VER	SBC3	OPE	PBS
373	JAMESTOWN	26	E49	17	31	S6	53	23	487.25	N	0.001	VER	SBC2	OPE	PBS
374	JANKEMPDORP	24	E50	43	27	S54	51	38	607.25	N	0.02	VER	MNET	OPE	CML
375	JANSENVILLE	24	E40	5	32	S56	20	49	695.25	N	0.003	HOR	MNET	OPE	CML
376	JANSENVILLE	24	E40	5	32	S56	20	45	663.25	N	0.003	VER	SBC1	OPE	PBS
377	JANSENVILLE	24	E40	5	32	S56	20	53	727.25	N	0.001	VER	SBC2	OPE	PBS
378	JANSENVILLE	24	E40	5	32	S56	20	61	791.25	N	0.003	VER	SBC3	OPE	PBS
379	JANSENVILLE IVONIA	24	E44	36	32	S45	53	21	471.25	N	2E-04	VER	SBC2	OPE	PBS
380	JANSVILLE SCHIETPORT	24	E38	54	33	S13	20	67	839.25	N	0.007	VER	MNET	OPE	CML
381	JOUBERTINA	23	E52	21	33	S49	19	34	575.25	N	0.004	VER	SBC3	OPE	CML
382	JOUBERTINA	23	E52	21	33	S49	19	37	599.25	N	0.004	VER	ETV	OPE	PBS
383	JOUBERTINA	23	E52	21	33	S49	19	26	511.25	N	0.005	VER	MNET	OPE	CML
384	JOUBERTINA	23	E52	21	33	S49	19	22	479.25	N	0.004	VER	SBC1	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
385	JOUBERTINA	23 E52 21	33 S49 19	30	543.25	N	0.004	VER	SBC2	OPE	PBS
386	JOUBERTINA DIEPKLOOF	23 E51 0	33 S51 15	23	487.25	N	1E-04	VER	SBC2	OPE	PBS
387	KAKAMAS	20 E37 30	28 S47 6	37	599.25	N	0.005	VER	MNET	OPE	CML
388	KAKAMAS	20 E37 30	28 S47 6	49	695.25	N	0.008	VER	ETV	OPE	CML
389	KAKAMAS	20 E37 30	28 S47 6	41	631.25	N	0.008	VER	SBC1	OPE	PBS
390	KAKAMAS	20 E37 30	28 S47 6	45	663.25	N	0.008	VER	SBC3	OPE	PBS
391	KAKAMAS SEEKOEISTEEK	20 E2 49	28 S27 26	54	735.25	N	0.006	VER	SBC2	OPE	PBS
392	KANGWANE KANYAMAZANE	31 E11 13	25 S27 19	61	791.25	N	0.005	VER	SBC1	OPE	PBS
393	KANGWANE KANYAMAZANE	31 E11 13	25 S27 19	57	759.25	N	0.005	VER	SBC2	OPE	PBS
394	KANGWANE LOUIEVILLE	31 E16 35	25 S40 15	44	655.25	N	0.005	VER	SBC1	OPE	PBS
395	KANGWANE LOUIEVILLE	31 E16 35	25 S40 15	40	623.25	N	0.005	VER	SBC2	OPE	PBS
396	KANGWANE STEYNSDORP	30 E58 40	26 S7 20	47	679.25	N	0.001	VER	SBC1	OPE	PBS
397	KANGWANE STEYNSDORP	30 E58 40	26 S7 20	51	711.25	N	0.001	VER	SBC2	OPE	PBS
398	KANGWANE STEYNSDORP	30 E58 40	26 S7 20	43	647.25	N	0.001	VER	SBC3	OPE	PBS
399	KANGWANE SWALLOWNEST	30 E53 15	26 S13 15	57	759.25	N	0.01	VER	SBC1	OPE	PBS
400	KANGWANE SWALLOWNEST	30 E53 15	26 S13 15	53	727.25	N	0.01	VER	SBC2	OPE	PBS
401	KAREEDOUW	24 E17 15	33 S57 48	58	767.25	N	0.01	VER	MNET	OPE	CML
402	KAREEDOUW	24 E17 15	33 S57 48	62	799.25	N	0.01	VER	SBC1	OPE	PBS
403	KAREEDOUW	24 E17 15	33 S57 48	54	735.25	N	0.01	VER	SBC2	OPE	PBS
404	KAREEDOUW	24 E17 15	33 S57 48	66	831.25	N	0.01	VER	SBC3	OPE	PBS
405	KEIMOES	20 E59 50	28 S43 0	54	735.25	N	0.016	VER	ETV	OPE	CML
406	KEIMOES	20 E59 50	28 S43 0	56	751.25	N	0.016	VER	SBC1	OPE	PBS
407	KEIMOES	20 E59 50	28 S43 0	60	783.25	N	0.016	VER	SBC2	OPE	PBS
408	KEIMOES	20 E59 50	28 S43 0	64	815.25	N	0.016	VER	SBC3	OPE	PBS
409	KEIMOES	20 E59 50	28 S43 0	68	847.25	N	0.008	VER	MNET	OPE	CML
410	KENHARDT	21 E9 50	29 S20 50	53	727.25	N	0.004	VER	SBC1	OPE	PBS
411	KENHARDT	21 E9 50	29 S20 50	57	759.25	N	0.008	VER	SBC2	OPE	PBS
412	KENHARDT	21 E9 50	29 S20 50	61	791.25	N	0.008	VER	SBC3	OPE	PBS
413	KENHARDT	29 E9 50	29 S20 50	65	823.25	N	0.004	VER	MNET	OPE	CML
414	KESTELL	28 E42 51	28 S18 5	34	575.25	N	0.001	VER	SBC1	OPE	PBS
415	KESTELL	28 E42 51	28 S18 5	30	543.25	N	0.006	VER	SBC2	OPE	PBS
416	KIEPERSOL BOEREVERENIGING	31 E3 56	25 S3 28	53	727.25	N	0.05	VER	MNET	OPE	CML
417	KIEPERSOL BOEREVERENIGING	31 E3 56	25 S3 28	61	791.25	N	0.04	VER	SBC1	OPE	PBS
418	KIEPERSOL BOEREVERENIGING	31 E3 56	25 S3 28	57	759.25	N	0.04	VER	SBC2	OPE	PBS
419	KIEPERSOL BOEREVERENIGING	31 E3 56	25 S3 28	65	823.25	N	0.03	VER	SBC3	OPE	PBS
420	KING WILLIAMS TOWN	27 E24 50	32 S51 36	64	815.25	-20	0.012	HOR	MNET	OPE	CML
421	KING WILLIAMS TOWN	27 E24 50	32 S51 36	68	847.25	N	0.025	HOR	SBC3	OPE	PBS
422	KIRKWOOD	25 E26 53	33 S23 22	30	543.25	N	0.003	VER	MNET	OPE	CML
423	KIRKWOOD	25 E26 53	33 S23 22	26	511.25	N	0.003	VER	SBC1	OPE	PBS
424	KIRKWOOD	25 E26 53	33 S23 22	34	575.25	N	0.003	VER	SBC3	OPE	PBS
425	KKL CALITZDORP SPA	21 E46 8	33 S39 36	46	671.25	N	0.008	VER	SBC2	OPE	PBS
426	KKL KRAKEELRIVIER	23 E42 23	33 S47 28	35	583.25	N	0.003	VER	SBC2	OPE	PBS
427	KKL LOUTERWATER	23 E41 16	33 S48 36	53	727.25	N	0.01	VER	SBC1	OPE	PBS
428	KKL LOUTERWATER	23 E41 16	33 S48 36	61	791.25	N	0.01	VER	SBC2	OPE	PBS
429	KKL LOUTERWATER	23 E41 16	33 S48 36	57	759.25	N	0.01	VER	SBC3	OPE	PBS
430	KKL MISGUND I	23 E30 35	33 S47 38	24	495.25	N	0.002	VER	SBC2	OPE	PBS
431	KKL MISGUND II	23 E31 21	33 S45 0	59	775.25	N	0.01	VER	SBC1	OPE	PBS
432	KKL MISGUND II	23 E31 21	33 S45 0	55	743.25	N	0.01	VER	SBC2	OPE	PBS
433	KKL MISGUND II	23 E31 21	33 S45 0	63	807.25	N	0.01	VER	SBC3	OPE	PBS
434	KKL SAPTOU	23 E27 35	33 S40 13	41	631.25	N	0.032	VER	SBC2	OPE	PBS
435	KKL UITVLUGT	24 E2 29	33 S48 34	43	647.25	N	0.006	VER	SBC2	OPE	PBS
436	KLAARSTROOM	22 E31 39	33 S19 58	32	495.25	N	0.008	VER	SBC1	OPE	PBS
437	KLAARSTROOM	22 E31 39	33 S19 58	32	527.25	N	0.008	VER	SBC2	OPE	PBS
438	KLAARSTROOM	22 E31 39	33 S19 58	32	559.25	N	0.008	VER	SBC3	OPE	PBS

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NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
439	KLEINMOND	19	E0	54	34	S20	10	49	695.25	N	0.008	VER	ETV	OPE	CML
440	KLEINMOND	19	E0	54	34	S20	10	37	599.25	N	0.008	VER	SBC1	OPE	PBS
441	KLEINMOND	19	E0	54	34	S20	10	41	631.25	N	0.008	VER	SBC2	OPE	PBS
442	KLEINMOND	19	E0	54	34	S20	10	45	663.25	N	0.008	VER	SBC3	OPE	PBS
443	KLEINSEE	17	E4	19	29	S40	5	52	719.25	N	0.006	VER	ETV	OPE	CML
444	KLEINSEE	17	E4	19	29	S40	5	64	815.25	N	0.006	VER	SBC1	OPE	PBS
445	KLEINSEE	17	E4	19	29	S40	5	56	751.25	N	0.006	VER	SBC2	OPE	PBS
446	KLEINSEE	17	E4	19	29	S40	5	60	783.25	N	0.002	VER	MNET	OPE	CML
447	KLEINSEE	17	E4	19	29	S40	5	68	847.25	N	0.006	VER	SBC3	OPE	PBS
448	KLIPPLAAT	24	E20	1	33	S1	25	34	575.25	N	0.008	VER	ETV	OPE	CML
449	KLIPPLAAT	24	E20	1	33	S1	25	22	479.25	N	0.008	VER	SBC1	OPE	PBS
450	KLIPPLAAT	24	E20	1	33	S1	25	26	511.25	N	0.008	VER	SBC2	OPE	PBS
451	KLIPPLAAT	24	E20	1	33	S1	25	30	543.25	N	0.008	VER	SBC3	OPE	PBS
452	KNYSNA	23	E2	58	34	S4	38	54	735.25	N	0.04	VER	MNET	OPE	CML
453	KNYSNA BRENTON	23	E2	30	34	S1	50	47	679.25	N	0.01	VER	MNET	OPE	CML
454	KNYSNA BRENTON	23	E2	30	34	S1	50	43	647.25	N	0.004	VER	SBC1	OPE	PBS
455	KNYSNA BRENTON	23	E2	30	34	S1	50	39	615.25	N	0.004	VER	SBC2	OPE	PBS
456	KNYSNA BRENTON	23	E2	30	34	S1	50	51	711.25	N	0.004	VER	SBC3	OPE	PBS
457	KNYSNA NATURES VALLEY	23	E34	30	33	S58	26	54	735.25	N	0.003	VER	SBC1	OPE	PBS
458	KNYSNA NATURES VALLEY	23	E34	30	33	S58	26	58	767.25	N	0.003	VER	SBC2	OPE	PBS
459	KOFFIEFONTEIN	24	E59	29	29	S25	33	21	471.25	N	0.001	VER	SBC1	OPE	PBS
460	KOFFIEFONTEIN	24	E59	29	29	S25	33	25	503.25	N	0.001	VER	SBC2	OPE	PBS
461	KOFFIEFONTEIN	24	E59	29	29	S25	33	29	535.25	N	5E-04	VER	SBC3	OPE	PBS
462	KOFFIEFONTEIN	24	E59	29	29	S25	33	33	567.5	N	0.005	VER	MNET	OPE	CML
463	KOINGNAAS	17	E17	34	30	S11	37	43	647.25	N	0.002	VER	MNET	OPE	CML
464	KOINGNAAS	17	E17	34	30	S11	37	35	583.25	N	0.003	VER	ETV	OPE	CML
465	KOINGNAAS	17	E17	34	30	S11	37	47	679.25	N	0.003	VER	SBC1	OPE	PBS
466	KOINGNAAS	17	E17	34	30	S11	37	39	615.25	N	0.003	VER	SBC2	OPE	PBS
467	KOINGNAAS	17	E17	34	30	S11	37	51	711.25	N	0.003	VER	SBC3	OPE	PBS
468	KOKSTAD	29	E29	24	30	S36	42	50	703.25	N	0.15	VER	MNET	OPE	CML
469	KOKSTAD	29	E29	24	30	S36	42	34	575.25	N	0.1	VER	ETV	OPE	CML
470	KOKSTAD	29	E29	24	30	S36	42	46	671.25	20M	0.1	VER	SBC1	OPE	PBS
471	KOKSTAD	29	E29	24	30	S36	42	38	607.25	N	0.1	VER	SBC3	OPE	PBS
472	KOKSTAD LUCKNOW	29	E15	24	30	S34	30	25	503.25	N	0.002	VER	MNET	OPE	CML
473	KOMAGGAS	17	E29	11	29	S48	18	35	583.25	N	0.004	VER	ETV	OPE	CML
474	KOMAGGAS	17	E29	11	29	S48	18	23	487.25	N	0.004	VER	SBC1	OPE	PBS
475	KOMAGGAS	17	E29	11	29	S48	18	27	519.25	N	0.004	VER	SBC2	OPE	PBS
476	KOMAGGAS	17	E29	11	29	S48	18	31	551.25	N	0.004	VER	SBC3	OPE	PBS
477	KOMATIPOORT	31	E58	42	25	S27	24	62	799.25	N	0.003	VER	MNET	OPE	CML
478	KOMATIPOORT	31	E58	42	25	S27	24	58	767.25	N	0.025	VER	SBC1	OPE	PBS
479	KOMATIPOORT	31	E58	42	25	S27	24	54	735.25	N	0.025	VER	SBC2	OPE	PBS
480	KOMATIPOORT	31	E58	42	25	S27	24	66	831.25	N	0.025	VER	SBC3	OPE	PBS
481	KOPPIES	27	E34	28	27	S14	5	40	623.25	N	0.005	VER	MNET	OPE	CML
482	KOUEBOKKEVLD BRONAAR	19	E24	48	33	S0	40	28	527.25	N	5E-04	VER	SBC1	OPE	PBS
483	KOUEBOKKEVLD BRONAAR	19	E24	48	33	S0	40	36	591.25	N	5E-04	VER	SBC2	OPE	PBS
484	KURUMAN MUNICIPALITY	23	E25	41	27	S27	11	44	655.25	N	0.016	VER	SBC3	OPE	PBS
485	KURUMAN MUNICIPALITY	23	E25	42	27	S27	11	40	623.25	20P	0.016	VER	MNET	OPE	CML
486	LADISMITH	21	E16	12	33	S30	10	26	511.25	N	0.006	HOR	ETV	OPE	CML
487	LADISMITH	21	E16	12	33	S30	10	30	543.25	N	0.006	HOR	SBC1	OPE	PBS
488	LADISMITH	21	E16	12	33	S30	10	34	575.25	N	0.006	HOR	SBC3	OPE	PBS
489	LADISMITH ZOAR	21	E29	23	33	S29	28	31	551.25	N	0.001	VER	SBC2	OPE	PBS
490	LADY GREY	27	E12	35	30	S42	51	33	567.25	N	0.004	VER	ETV	OPE	CML
491	LADY GREY	27	E12	35	30	S42	51	21	471.25	N	0.004	VER	SBC1	OPE	PBS
492	LADY GREY	27	E12	35	30	S42	51	25	503.25	N	0.004	VER	SBC2	OPE	PBS
493	LADY GREY	27	E12	35	30	S42	51	29	535.25	N	0.004	VER	SBC3	OPE	PBS
494	LADYBRAND	27	E26	2	29	S11	36	62	799.25	N	0.004	HOR	MNET	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
495	LADYBRAND	27	E26	2	29	S11	36	53	727.25	N	0.016	HOR	SBC1	OPE	PBS
496	LADYBRAND	27	E26	2	29	S11	36	66	831.25	N	0.095	HOR	SBC2	OPE	PBS
497	LADYBRAND ALPHA	27	E36	46	29	S6	10	64	815.25	N	0.005	VER	SBC2	OPE	PBS
498	LAINGSBURG	20	E51	6	33	S11	18	37	599.25	N	5E-04	VER	SBC1	OPE	PBS
499	LAINGSBURG	20	E51	6	33	S11	18	41	631.25	N	5E-04	VER	SBC2	OPE	PBS
500	LAINGSBURG	20	E51	6	33	S11	18	45	663.25	N	5E-04	VER	SBC3	OPE	PBS
501	LAINGSBURG	20	E51	6	33	S11	18	59	695.25	N	0.004	VER	MNET	OPE	CML
502	LAINGSBURG DOORNKLOOF	21	E11	0	33	S21	33	54	735.25	N	1E-04	VER	SBC2	OPE	PBS
503	LAINGSBURG DRIEFONTEIN	21	E3	31	33	S25	24	27	519.25	N	0.004	VER	SBC2	OPE	PBS
504	LAINGSBURG FLORISKRAAL	20	E59	59	33	S17	35	64	815.25	N	0.005	VER	SBC2	OPE	PBS
505	LAINGSBURG WILGERBOME	20	E54	24	32	S45	49	35	583.25	N	0.063	VER	SBC2	OPE	PBS
506	LAMBERTS BAY	18	E18	46	32	S5	39	56	751.25	N	0.003	VER	SBC1	OPE	PBS
507	LAMBERTS BAY	18	E18	46	32	S5	39	60	783.25	N	0.003	VER	SBC3	OPE	PBS
508	LANGEBAAN	18	E2	10	33	S5	49	37	599.25	N	0.006	VER	ETV	OPE	CML
509	LANGEBAAN	18	E2	10	33	S5	49	40	623.25	N	0.006	VER	SBC1	OPE	PBS
510	LANGEBAAN	18	E2	10	33	S5	49	44	655.25	N	0.006	VER	SBC2	OPE	PBS
511	LANGEBAAN	18	E2	10	33	S5	49	48	687.25	N	0.006	VER	SBC3	OPE	PBS
512	LANGEBAANWEG	18	E9	57	32	S58	18	35	583.25	N	0.002	VER	MNET	OPE	CML
513	LEEU-GAMKA	21	E58	6	32	S46	12	32	495.25	N	0.008	VER	SBC1	OPE	PBS
514	LEEU-GAMKA	21	E58	6	32	S46	12	32	527.25	N	0.008	VER	SBC2	OPE	PBS
515	LEEU-GAMKA	21	E58	6	32	S46	12	32	559.25	N	0.008	VER	SBC3	OPE	PBS
516	LEKKERSING	17	E5	43	28	S59	52	67	839.25	N	0.004	VER	ETV	OPE	CML
517	LEKKERSING	17	E5	43	28	S59	52	54	735.25	N	0.004	VER	SBC1	OPE	PBS
518	LEKKERSING	17	E5	43	28	S59	52	58	767.25	N	0.004	VER	SBC2	OPE	PBS
519	LEKKERSING	17	E5	43	28	S59	52	62	799.25	N	0.004	VER	SBC3	OPE	PBS
520	LELIEFONTEIN	18	E5	0	30	S18	51	62	799.25	N	0.004	VER	ETV	OPE	CML
521	LELIEFONTEIN	18	E5	0	30	S18	51	54	735.25	N	0.004	VER	SBC1	OPE	PBS
522	LELIEFONTEIN	18	E5	0	30	S18	51	58	767.25	N	0.004	VER	SBC3	OPE	PBS
523	LIME ACRES	23	E27	54	28	S21	27	58	767.25	N	0.006	VER	ETV	OPE	CML
524	LIME ACRES	23	E27	54	28	S21	27	54	735.25	N	0.005	VER	MNET	OPE	CML
525	LIME ACRES	23	E27	54	28	S21	27	51	711.25	N	0.004	VER	SBC1	OPE	PBS
526	LIME ACRES	23	E27	54	28	S21	27	47	679.25	N	0.004	VER	SBC2	OPE	PBS
527	LIME ACRES	23	E27	54	28	S21	27	43	647.25	N	0.006	VER	SBC3	OPE	PBS
528	LINDLEY	27	E55	9	27	S52	3	44	655.25	N	0.002	VER	SBC1	OPE	PBS
529	LINDLEY	27	E55	9	27	S52	3	40	623.25	N	0.002	VER	SBC2	OPE	PBS
530	LINDLEY	27	E55	9	27	S52	3	48	687.25	N	0.002	VER	SBC3	OPE	PBS
531	LOERIESFONTEIN	19	E26	57	30	S56	38	30	543.25	N	0.008	VER	SBC1	OPE	PBS
532	LOERIESFONTEIN	19	E26	57	30	S56	38	26	511.25	N	0.008	VER	SBC2	OPE	PBS
533	LOERIESFONTEIN	19	E26	57	30	S56	38	34	575.25	N	0.008	VER	SBC3	OPE	PBS
534	LOHATLHA	23	E6	44	28	S2	34	43	647.25	N	0.016	VER	SBC3	OPE	PBS
535	LOSKOPDAM	29	E22	53	25	S25	7	47	679.25	N	0.006	VER	SBC1	OPE	PBS
536	LOSKOPDAM	29	E22	53	25	S25	7	51	711.25	N	0.006	VER	SBC2	OPE	PBS
537	LOSKOPDAM	29	E22	53	25	S25	7	43	647.25	N	0.006	VER	SBC3	OPE	PBS
538	LOUIS TRICHARDT	29	E54	7	22	S59	32	42	639.25	N	0.1	VER	MNET	OPE	CML
539	LOUIS TRICHARDT TIMBADOLA	30	E14	29	23	S1	34	58	767.25	N	0.005	VER	SBC1	OPE	PBS
540	LOUIS TRICHARDT TIMBADOLA	30	E14	29	23	S1	34	62	799.25	N	0.005	VER	SBC2	OPE	PBS
541	LOUWSBURG ITALA	31	E16	4	27	S34	45	33	567.25	N	0.002	VER	SBC2	OPE	PBS
542	LOUWSBURG MOOIBANK	31	E22	42	27	S35	33	24	495.25	N	0.008	VER	SBC1	OPE	PBS
543	LOUWSBURG MOOIBANK	31	E22	42	27	S35	33	28	527.25	N	0.008	VER	SBC2	OPE	PBS
544	LOUWSBURG SKUTARI	31	E9	29	27	S39	52	64	815.25	N	0.003	VER	SBC2	OPE	PBS
545	LOXTON	22	E21	19	31	S28	9	55	743.25	N	0.006	VER	SBC1	OPE	PBS
546	LOXTON	22	E21	19	31	S28	9	59	775.25	N	0.006	VER	SBC2	OPE	PBS
547	LOXTON	22	E21	19	31	S28	9	63	807.25	N	0.006	VER	SBC3	OPE	PBS
548	LYDENBURG	30	E26	4	25	S6	19	26	511.25	N	0.02	VER	SBC1	OPE	PBS
549	LYDENBURG	30	E26	4	25	S6	19	30	543.25	N	0.02	VER	SBC3	OPE	PBS
550	LYDENBURG	30	E26	4	25	S6	19	42	639.25	N	0.02	VER	MNET	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
551	LYDENBURG DOORNHOEK	30	E21	28	25	S21	23	40	623.25	N	0.003	VER	SBC2	OPE	PBS
552	LYDENBURG MASHISHING	30	E25	24	25	S5	19	59	775.25	N	0.003	VER	SBC1	OPE	PBS
553	MACHADODORP BOSCHHOEK	30	E25	52	25	S51	18	22	479.25	N	0.004	VER	MNET	OPE	CML
554	MACHADODORP BOSCHHOEK	30	E25	52	25	S51	18	26	511.25	N	0.003	VER	SBC1	OPE	PBS
555	MACHADODORP BOSCHHOEK	30	E25	52	25	S51	18	34	575.25	N	0.003	VER	SBC2	OPE	PBS
556	MACHADODORP BOSCHHOEK	30	E25	52	25	S51	18	30	543.25	N	0.003	VER	SBC3	OPE	PBS
557	MACHADODORP MAMRE	30	E34	13	25	S42	2	24	495.25	N	0.006	HOR	SBC2	OPE	PBS
558	MACHADODORP ONVERWAGT	30	E38	48	25	S44	41	55	743.25	N	1E-04	VER	SBC1	OPE	PBS
559	MACHADODORP ONVERWAGT	30	E38	48	25	S44	41	59	775.25	N	1E-04	VER	SBC2	OPE	PBS
560	MACLEAR	28	E21	53	31	S5	6	33	567.25	N	0.004	VER	ETV	OPE	CML
561	MACLEAR	28	E21	53	31	S5	6	21	471.25	N	0.004	VER	SBC1	OPE	PBS
562	MACLEAR	28	E21	53	31	S5	6	25	503.25	N	0.004	VER	SBC2	OPE	PBS
563	MACLEAR	28	E21	53	31	S5	6	29	535.25	N	0.004	VER	SBC3	OPE	PBS
564	MAGALIESBERGNAAUWPT	27	E20	18	25	S55	60	39	615.25	N	0.001	VER	MNET	OPE	CML
565	MALELANE I	31	E23	15	25	S55	52	30	543.25	20M	0.079	VER	SBC2	OPE	PBS
566	MALELANE II	31	E36	20	25	S28	47	38	631.25	N	0.1	VER	MNET	OPE	CML
567	MALELANE SCHOEMANSDAL	31	E33	51	25	S40	39	37	599.25	N	2E-04	VER	SBC2	OPE	PBS
568	MALMESBURY	18	E45	8	33	S28	52	52	719.25	N	0.005	VER	MNET	OPE	CML
569	MALMESBURY	18	E45	8	33	S28	52	52	719.25	N	0.005	VER	ETV	OPE	CML
570	MALMESBURY	18	E45	8	33	S28	52	63	807.25	N	0.005	VER	SBC1	OPE	PBS
571	MALMESBURY	18	E45	8	33	S28	52	55	743.25	N	0.005	VER	SBC2	OPE	PBS
572	MALMESBURY	18	E45	8	33	S28	52	67	839.25	N	0.005	VER	SBC3	OPE	PBS
573	MANDINI	31	E25	39	29	S9	22	63	807.25	N	0.006	VER	SBC1	OPE	PBS
574	MANDINI	31	E25	39	29	S9	22	59	775.25	N	0.006	VER	SBC2	OPE	PBS
575	MANDINI	31	E25	39	29	S9	22	55	743.25	N	0.006	VER	MNET	OPE	CML
576	MANDINI	31	E25	39	29	S9	22	67	839.25	N	0.006	VER	SBC3	OPE	PBS
577	MARYDALE	22	E5	39	29	S24	52	37	599.25	N	0.002	VER	ETV	OPE	CML
578	MARYDALE	22	E5	39	29	S24	52	41	631.25	N	0.002	VER	SBC1	OPE	PBS
579	MARYDALE	22	E5	39	29	S24	52	45	663.25	N	0.002	VER	SBC3	OPE	PBS
580	MATATIELE	28	E49	8	30	S20	11	60	783.25	N	0.004	VER	SBC1	OPE	PBS
581	MATATIELE	28	E49	8	30	S20	11	54	735.25	N	0.004	VER	SBC2	OPE	PBS
582	MATATIELE	28	E48	35	30	S19	47	64	815.25	N	0.004	VER	MNET	OPE	CML
583	MATATIELE	28	E49	8	30	S20	11	68	847.25	N	0.004	VER	SBC3	OPE	PBS
584	MELMOTH	31	E23	22	28	S35	53	22	479.25	N	0.004	VER	SBC1	OPE	PBS
585	MELMOTH	31	E23	22	28	S35	53	26	511.25	N	0.004	VER	SBC2	OPE	PBS
586	MELMOTH	31	E23	22	28	S35	53	52	719.25	N	0.004	VER	SBC3	OPE	PBS
587	MERWEVILLE	21	E30	29	32	S39	36	33	567.25	N	0.004	VER	ETV	OPE	CML
588	MERWEVILLE	21	E30	29	32	S39	36	21	471.25	N	0.004	VER	SBC1	OPE	PBS
589	MERWEVILLE	21	E30	29	32	S39	36	25	503.25	N	0.004	VER	SBC2	OPE	PBS
590	MERWEVILLE	21	E30	29	32	S39	36	29	535.25	N	0.004	VER	SBC3	OPE	PBS
591	MESSINA LINK	29	E57	43	22	S21	11	54	735.25	N	0.071	VER	MNET	OPE	CML
592	MESSINA T122	30	E1	19	22	S20	41	39	615.25	N	0.05	VER	MNET	OPE	CML
593	MESSINA	30	E1	19	22	S20	41	43	647.25	N	0.051	VER	SBC3	OPE	PBS
594	MIDDELBURG CP	24	E59	40	31	S28	49	50	703.25	N	0.005	VER	MNET	OPE	CML
595	MIDDELBURG CP	24	E59	38	31	S28	45	42	639.25	20P	0.05	HOR	ETV	OPE	CML
596	MIDDELBURG CP	24	E59	38	31	S28	45	66	831.25	20P	0.01	HOR	SBC1	OPE	PBS
597	MIDDELBURG CP	24	E59	38	31	S28	45	46	671.25	20P	0.01	HOR	SBC2	OPE	PBS
598	MIDDELBURG CP	24	E59	38	31	S28	45	38	607.25	20P	0.05	HOR	SBC3	OPE	PBS
599	MIDDELPOS	20	E13	31	31	S55	21	53	727.25	N	0.006	VER	SBC2	OPE	PBS
600	MIDMAR ESSELDENE	30	E3	27	29	S32	26	59	775.25	N	0.001	VER	SBC1	OPE	PBS
601	MIDMAR ESSELDENE	30	E3	27	29	S32	26	67	839.25	N	0.001	VER	SBC2	OPE	PBS
602	MIDMAR MPOPHOMENI	30	E10	0	29	S32	25	43	647.25	N	0.008	VER	SBC1	OPE	PBS
603	MIDMAR MPOPHOMENI	30	E10	0	29	S32	25	39	615.25	N	0.008	VER	SBC2	OPE	PBS
604	MIER	20	E20	25	26	S45	47	36	591.25	N	0.05	VER	ETV	OPE	CML
605	MIER	20	E20	25	26	S45	47	24	495.25	N	0.05	VER	SBC1	OPE	PBS
606	MIER	20	E20	25	26	S45	47	28	527.25	N	0.05	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
607	MIER	20 E20 25	26 S45 47	32	559.25	N	0.05	VER	SBC3	OPE	PBS
608	MOGOBOYA	30 E12 59	23 S59 36	37	599.25	N	0.05	VER	SBC1	OPE	PBS
609	MOGOBOYA	30 E12 59	23 S59 36	41	631.25	N	0.05	VER	SBC2	OPE	PBS
610	MOGOBOYA	30 E12 59	23 S59 36	49	695.25	N	0.05	VER	SBC3	OPE	PBS
611	MONTAGU	20 E8 37	33 S47 16	30	543.25	N	0.02	VER	MNET	OPE	CML
612	MONTAGU	20 E8 37	33 S47 14	37	599.25	N	0.008	VER	ETV	OPE	CML
613	MONTAGU	20 E8 37	33 S47 14	26	511.25	N	0.008	VER	SBC1	OPE	PBS
614	MONTAGU	20 E8 37	33 S47 14	34	575.25	N	0.008	VER	SBC3	OPE	PBS
615	MONTAGU HOTBATHS	20 E7 52	33 S45 52	24	495.25	N	0.004	VER	MNET	OPE	CML
616	MONTAGU HOTBATHS	20 E7 52	33 S45 52	21	471.25	N	0.004	VER	ETV	OPE	CML
617	MONTAGU HOTBATHS	20 E7 52	33 S45 52	36	591.25	N	0.004	VER	SBC1	OPE	PBS
618	MONTAGU HOTBATHS	20 E7 52	33 S45 52	32	559.25	N	0.004	VER	SBC2	OPE	PBS
619	MONTAGU HOTBATHS	20 E7 52	33 S45 52	28	527.25	N	0.004	VER	SBC3	OPE	PBS
620	MONTAGU KOO BOEREVERENIGING	19 E46 29	33 S39 16	55	743.25	N	0.003	VER	SBC2	OPE	PBS
621	MOOI RIVER	30 E0 26	29 S11 28	51	711.25	N	0.006	HOR	SBC1	OPE	PBS
622	MOOI RIVER	30 E0 26	29 S11 28	47	679.25	N	0.006	HOR	SBC2	OPE	PBS
623	MOOI RIVER BRUNTVILLE	29 E54 22	29 S12 37	41	631.25	N	0.013	HOR	SBC1	OPE	PBS
624	MOORREESBURG	18 E41 27	33 S07 56	31	551.25	N	0.005	VER	MNET	OPE	CML
625	MOSSELBAAI DANABAAI	22 E2 38	34 S11 35	43	647.25	N	0.02	VER	SBC1	OPE	PBS
626	MOSSELBAAI DANABAAI	22 E2 38	34 S11 35	39	615.25	N	0.025	VER	SBC2	OPE	PBS
627	MOSSELBAAI DANABAAI	22 E2 38	34 S11 35	45	663.25	20P	0.025	VER	SBC3	OPE	PBS
628	MOSSELBAAI DANABAAI	22 E2 38	34 S11 35	49	695.25	20P	0.018	VER	MNET	OPE	CML
629	MOUNT AUX SOURCES ROYAL PARK	28 E57 29	28 S41 36	44	655.25	N	8E-04	VER	SBC1	OPE	PBS
630	MOUNT AUX SOURCES ROYAL PARK	28 E57 29	28 S41 36	52	719.25	N	8E-04	VER	SBC2	OPE	PBS
631	MOUNT FLETCHER	28 E30 54	30 S41 37	34	575.25	N	0.008	VER	ETV	OPE	CML
632	MOUNT FLETCHER	28 E30 54	30 S41 37	22	479.25	N	0.008	VER	SBC1	OPE	PBS
633	MOUNT FLETCHER	28 E30 54	30 S41 37	26	511.25	N	0.008	VER	SBC2	OPE	PBS
634	MOUNT FLETCHER	28 E30 54	30 S41 37	30	543.25	N	0.008	VER	SBC3	OPE	PBS
635	MSAULI MINE	31 E4 56	26 S0 15	39	615.25	N	0.007	VER	SBC1	OPE	PBS
636	MSAULI MINE	31 E4 56	26 S0 15	46	671.25	N	0.007	VER	SBC2	OPE	PBS
637	MSAULI MINE	31 E4 56	26 S0 15	24	495.25	N	0.007	VER	SBC3	OPE	PBS
638	MSAULI MINE LINK	31 E7 31	25 S55 13	37	495.25	N	0.004	VER	MNET	OPE	CML
639	MSAULI MINE	31 E4 56	26 S0 15	37	599.25	N	0.004	VER	MNET	OPE	CML
640	MTUBATUBA	32 E10 37	28 S26 43	22	479.25	N	0.005	VER	MNET	OPE	CML
641	MURRAYSBURG	23 E46 1	31 S58 19	21	471.25	N	0.001	VER	SBC2	OPE	PBS
642	NABABEEP	17 E48 28	29 S35 5	48	687.25	20P	0.05	VER	ETV	OPE	CML
643	NABABEEP	17 E48 28	29 S35 5	40	623.25	20P	0.1	VER	SBC3	OPE	PBS
644	NABABEEP C42	17 E48 30	29 S35 5	44	655.25	20P	0.1	VER	MNET	OPE	CML
645	NATAL ANTHRACITE BOSHOEK	31 E2 43	27 S49 35	49	695.25	N	3E-04	VER	SBC1	OPE	PBS
646	NATAL ANTHRACITE BOSHOEK	31 E2 43	27 S49 35	45	663.25	N	3E-04	VER	SBC2	OPE	PBS
647	NATAL ANTHRACITE LANGKRANS	31 E2 43	27 S47 8	33	567.25	N	3E-04	VER	SBC1	OPE	PBS
648	NATAL ANTHRACITE LANGKRANS	31 E2 43	27 S47 8	29	535.25	N	0.001	VER	SBC2	OPE	PBS
649	NELSPOORT	23 E2 5	32 S6 36	65	823.25	N	0.008	VER	ETV	OPE	CML
650	NELSPOORT	23 E2 5	32 S6 36	53	727.25	N	0.008	VER	SBC1	OPE	PBS
651	NELSPOORT	23 E2 5	32 S6 36	61	791.25	N	0.008	VER	SBC2	OPE	PBS
652	NELSPOORT	23 E2 5	32 S6 36	57	759.25	N	0.008	VER	SBC3	OPE	PBS
653	NELSPOORT COURLANDSKLOOF	22 E56 56	32 S4 48	63	807.25	N	0.001	VER	SBC2	OPE	PBS
654	NELSPRUIT DENSA	30 E50 49	25 S16 11	26	511.25	N	0.005	VER	SBC1	OPE	PBS
655	NELSPRUIT DENSA	30 E50 49	25 S16 11	34	575.25	N	0.004	VER	MNET	OPE	CML
656	NELSPRUIT DENSA	30 E50 49	25 S16 11	21	471.25	N	0.005	VER	SBC2	OPE	PBS
657	NELSPRUIT STERKSPRUIT	30 E30 23	25 S23 29	67	839.25	N	0.002	VER	SBC2	OPE	PBS
658	NEW AMALFI VIELSALM	29 E9 13	30 S6 34	47	679.25	N	1E-04	VER	SBC1	OPE	PBS
659	NEWCASTLE KILBARCHAN	29 E57 24	27 S50 18	46	671.25	N	0.002	VER	SBC1	OPE	PBS
660	NEWCASTLE KILBARCHAN	29 E57 24	27 S50 18	50	703.25	N	0.002	VER	SBC2	OPE	PBS
661	NGODWANA	30 E39 9	25 S33 41	30	543.25	N	0.004	VER	SBC1	OPE	PBS
662	NGODWANA	30 E39 9	25 S33 41	34	575.25	N	0.004	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
663	NGODWANA	30 E39 9	25 S33 41	26	511.25	N	0.004	VER	SBC3	OPE	PBS
664	NGODWANA	30 E39 9	25 S33 41	22	479.25	N	0.004	VER	MNET	OPE	CML
665	NIEKERKSHOOP	22 E50 12	29 S19 9	49	695.25	N	0.004	VER	ETV	OPE	CML
666	NIEKERKSHOOP	22 E50 12	29 S19 9	37	599.25	N	0.004	VER	SBC1	OPE	PBS
667	NIEKERKSHOOP	22 E50 12	29 S19 9	41	631.25	N	0.004	VER	SBC2	OPE	PBS
668	NIEKERKSHOOP	22 E50 12	29 S19 9	45	663.25	N	0.004	VER	SBC3	OPE	PBS
669	NIEU-BETHESDA	24 E33 52	31 S52 6	22	479.25	N	0.002	VER	SBC1	OPE	PBS
670	NIEU-BETHESDA	24 E33 52	31 S52 6	26	511.25	N	0.002	VER	SBC2	OPE	PBS
671	NIEU-BETHESDA	24 E33 52	31 S52 6	30	543.25	N	0.002	VER	SBC3	OPE	PBS
672	NIEUWOUDTVILLE	19 E4 25	31 S22 45	67	839.25	N	0.02	VER	ETV	OPE	CML
673	NIEUWOUDTVILLE	19 E4 25	31 S22 45	55	743.25	N	0.02	VER	SBC1	OPE	PBS
674	NIEUWOUDTVILLE	19 E4 25	31 S22 45	59	775.25	N	0.02	VER	SBC2	OPE	PBS
675	NIEUWOUDTVILLE	19 E4 25	31 S22 45	63	807.25	N	0.02	VER	SBC3	OPE	PBS
676	NONGOMA SWARTUMFOLOZI	31 E19 55	27 S58 16	24	495.25	N	0.008	VER	SBC2	OPE	PBS
677	NORTHAM ZONDEREINDE	27 E20 53	24 S48 45	30	543.25	N	0.048	VER	ETV	OPE	CML
678	NORTHAM ZONDEREINDE	27 E20 53	24 S48 45	26	511.25	N	0.048	VER	SBC3	OPE	PBS
679	NORTHAM ZONDEREINDE	27 E20 53	24 S48 45	22	479.25	N	0.05	VER	MNET	OPE	CML
680	NOUPOORT	24 E57 33	31 S10 32	60	783.25	N	0.003	VER	SBC1	OPE	PBS
681	NOUPOORT	24 E57 33	31 S10 32	64	815.25	N	0.003	VER	SBC2	OPE	PBS
682	NOUPOORT	24 E57 33	31 S10 32	56	751.25	N	0.003	VER	SBC3	OPE	PBS
683	NYLSTROOM	28 E23 11	24 S42 29	53	727.25	N	0.013	VER	MNET	OPE	CML
684	OHRIGSTAD	30 E30 51	24 S46 3	30	543.25	N	0.005	VER	SBC2	OPE	PBS
685	OHRIGSTAD BRANDDRAAI	30 E38 21	24 S31 45	37	599.25	N	0.006	VER	SBC2	OPE	PBS
686	ONSEEPKANS	19 E19 13	28 S44 58	33	567.25	N	0.004	VER	ETV	OPE	CML
687	ONSEEPKANS	19 E19 13	28 S44 58	21	471.25	N	0.004	VER	SBC1	OPE	PBS
688	ONSEEPKANS	19 E19 13	28 S44 58	25	503.25	N	0.004	VER	SBC2	OPE	PBS
689	ONSEEPKANS	19 E19 13	28 S44 58	29	535.25	N	0.004	VER	SBC3	OPE	PBS
690	ONSEEPKANS SENDING	19 E16 31	28 S45 10	35	583.25	N	0.004	VER	ETV	OPE	CML
691	ONSEEPKANS SENDING	19 E16 31	28 S45 10	23	487.25	N	0.004	VER	SBC1	OPE	PBS
692	ONSEEPKANS SENDING	19 E16 31	28 S45 10	27	519.25	N	0.004	VER	SBC2	OPE	PBS
693	ONSEEPKANS SENDING	19 E16 31	28 S45 10	31	551.25	N	0.004	VER	SBC3	OPE	PBS
694	OUDTSHOORN	22 E13 35	33 S34 49	44	655.25	20P	0.016	VER	ETV	OPE	CML
695	OUDTSHOORN KANGO	22 E16 33	33 S24 44	21	471.25	N	0.002	VER	SBC1	OPE	PBS
696	OUDTSHOORN KANGO	22 E16 33	33 S24 44	25	503.25	N	0.002	VER	SBC2	OPE	PBS
697	OUDTSHOORN KANGO	22 E16 33	33 S24 44	29	535.25	N	0.002	VER	SBC3	OPE	PBS
698	OUTENIQUA GLENTANA	22 E15 38	34 S3 9	25	503.25	N	0.013	VER	SBC1	OPE	PBS
699	OUTENIQUA GLENTANA	22 E15 38	34 S3 9	21	471.25	N	0.013	VER	SBC2	OPE	PBS
700	PAFURI	31 E9 14	22 S23 34	40	623.25	N	0.005	HOR	SBC2	OPE	PBS
701	PATENSIE	24 E49 37	33 S45 39	62	799.25	N	0.008	VER	ETV	OPE	CML
702	PATENSIE BOERE	24 E47 39	33 S46 44	64	815.25	N	0.01	VER	MNET	OPE	CML
703	PAULPIETERSBURG	30 E50 28	27 S26 47	65	823.25	N	0.05	VER	ETV	OPE	CML
704	PAULPIETERSBURG	30 E50 28	27 S26 47	57	759.25	N	0.05	VER	SBC1	OPE	PBS
705	PAULPIETERSBURG	30 E50 28	27 S26 47	53	727.25	N	0.05	VER	SBC2	OPE	PBS
706	PAULPIETERSBURG	30 E50 28	27 S26 47	61	791.25	N	0.05	VER	SBC3	OPE	PBS
707	PAULSHOEK	18 E15 16	30 S21 53	68	847.25	N	0.004	VER	ETV	OPE	CML
708	PAULSHOEK	18 E15 16	30 S21 53	56	751.25	N	0.004	VER	SBC1	OPE	PBS
709	PAULSHOEK	18 E15 16	30 S21 53	60	783.25	N	0.004	VER	SBC2	OPE	PBS
710	PAULSHOEK	18 E15 16	30 S21 53	64	815.25	N	0.004	VER	SBC3	OPE	PBS
711	PEARSTON	25 E8 12	32 S35 22	61	791.25	N	0.004	VER	ETV	OPE	CML
712	PEARSTON	25 E8 12	32 S35 22	53	727.25	N	0.004	VER	SBC1	OPE	PBS
713	PEARSTON	25 E8 12	32 S35 22	57	759.25	N	0.004	VER	SBC2	OPE	PBS
714	PEARSTON	25 E8 12	32 S35 22	65	823.25	N	0.004	VER	SBC3	OPE	PBS
715	PEARSTON BUFFELSHOEK	25 E10 21	32 S27 52	46	671.25	N	2E-04	HOR	SBC2	OPE	PBS
716	PEARSTON SPIOENKOP	25 E8 20	32 S48 48	22	479.25	N	2E-04	VER	SBC2	OPE	PBS
717	PEARSTON WILGERFONTN	25 E13 30	32 S34 44	46	671.25	N	3E-04	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
718	PELGRIMSRUS GROOTFONTEIN	30 E44 0	24 S56 42	67	839.25	N	0.002	VER	SBC1	OPE	PBS
719	PELGRIMSRUS GROOTFONTEIN	30 E44 0	24 S56 42	63	807.25	N	0.002	VER	SBC2	OPE	PBS
720	PELLA MISSION	19 E9 21	29 S1 51	38	607.25	N	5E-04	VER	SBC1	OPE	PBS
721	PELLA MISSION	19 E9 21	29 S1 51	42	639.25	N	5E-04	VER	SBC2	OPE	PBS
722	PELLA MISSION	19 E9 21	29 S1 51	46	671.25	N	5E-04	VER	SBC3	OPE	PBS
723	PETRUSVILLE	24 E39 30	30 S5 8	51	711.25	N	0.004	VER	ETV	OPE	CML
724	PETRUSVILLE	24 E39 30	30 S5 8	39	615.25	N	0.004	VER	SBC1	OPE	PBS
725	PETRUSVILLE	24 E39 30	30 S5 8	43	647.25	N	0.004	VER	SBC2	OPE	PBS
726	PETRUSVILLE	24 E39 30	30 S5 8	47	679.25	N	0.004	VER	SBC3	OPE	PBS
727	PHILIPPOLIS	25 E16 19	30 S15 11	26	511.25	N	0.004	VER	SBC1	OPE	PBS
728	PHILIPPOLIS	25 E16 19	30 S15 11	21	471.25	N	0.004	VER	SBC2	OPE	PBS
729	PIET RETIEF KLIPWAL	31 E16 1	27 S25 34	41	631.25	N	6E-04	VER	SBC1	OPE	PBS
730	PIET RETIEF POTGIETERSHOEK	30 E57 20	26 S54 50	54	735.25	N	3E-04	VER	SBC2	OPE	PBS
731	PIKETBERG	18 E44 19	32 S54 57	65	823.25	N	0.126	VER	MNET	OPE	CML
732	PILGRIMSRUS BUFFELHK	30 E43 39	24 S41 16	55	743.25	N	0.006	VER	MNET	OPE	CML
733	PILGRIMSRUS VAALHOEK	30 E45 57	24 S44 37	37	599.25	N	0.004	VER	MNET	OPE	CML
734	PILGRIMSRUS VAKANSIE OORD	30 E43 5	24 S51 11	49	695.25	N	0.004	VER	SBC1	OPE	PBS
735	PILGRIMSRUS VAKANSIE OORD	30 E43 5	24 S51 11	43	647.25	N	0.004	VER	SBC2	OPE	PBS
736	PLETTENBERG BAY WITTEDRIF	23 E19 41	34 S0 23	38	607.25	N	0.004	VER	SBC1	OPE	PBS
737	PLETTENBERG BAY WITTEDRIF	23 E19 41	34 S0 23	42	639.25	N	0.004	VER	SBC2	OPE	PBS
738	PLETTENBERG BAY WITTEDRIF	23 E19 41	34 S0 23	46	671.25	N	0.004	VER	SBC3	OPE	PBS
739	POFADDER KLEINPELLA	18 E58 11	29 S0 19	39	615.25	N	0.003	VER	SBC2	OPE	PBS
740	POFADDER TOWN	19 E23 4	29 S5 24	45	663.25	N	0.079	VER	ETV	OPE	CML
741	POFADDER TOWN	19 E23 4	29 S5 24	37	599.25	N	0.079	VER	SBC1	OPE	PBS
742	POFADDER TOWN	19 E23 4	29 S5 24	49	695.25	N	0.079	VER	SBC2	OPE	PBS
743	POFADDER TOWN	19 E23 4	29 S5 24	41	631.25	N	0.079	VER	SBC3	OPE	PBS
744	POFADDER TOWN	19 E23 4	29 S5 24	4	175.25	20M	0.1	VER	SBC2	OPE	PBS
745	POFADDER WILLEM SE OPDAM	19 E49 5	29 S21 51	21	471.25	N	0.002	VER	SBC2	OPE	PBS
746	POMFRET	23 E31 37	25 S49 24	43	647.25	N	0.004	VER	SBC3	OPE	PBS
747	POMFRET	23 E31 37	25 S49 24	39	615.25	N	0.002	VER	MNET	OPE	CML
748	PORT ALFRED	26 E53 14	33 S36 0	53	727.25	N	0.005	VER	SBC3	OPE	PBS
749	PORT ALFRED	26 E53 14	33 S36 0	57	759.25	N	0.025	VER	TBNC	OPE	COM
750	PORT EDWARD EDEN	30 E11 23	31 S3 55	52	719.25	N	2E-04	VER	SBC1	OPE	PBS
751	PORT EDWARD EDEN	30 E11 23	31 S3 55	48	687.25	N	2E-04	VER	SBC2	OPE	PBS
752	PORT NOLLOTH	16 E52 14	29 S15 56	128	100.3	N	0.02	VER	2000	OPE	PBS
753	PORT NOLLOTH	16 E52 14	29 S15 56	21	471.25	N	0.008	VER	ETV	OPE	CML
754	PORT NOLLOTH	16 E52 14	29 S15 56	27	519.25	N	0.008	VER	SBC1	OPE	PBS
755	PORT NOLLOTH	16 E52 14	29 S15 56	23	487.25	N	0.008	VER	SBC2	OPE	PBS
756	PORT NOLLOTH	16 E52 14	29 S15 56	31	551.25	N	0.008	VER	SBC3	OPE	PBS
757	PORT NOLLOTH	16 E52 14	29 S15 43	35	583.25	N	0.005	VER	MNET	OPE	CML
758	POSTMASBURG	23 E3 59	28 S19 19	21	471.25	N	0.002	VER	MNET	OPE	CML
759	PRIESKA	22 E45 25	29 S40 7	43	647.25	N	0.001	VER	SBC1	OPE	PBS
760	PRIESKA	22 E45 25	29 S40 7	47	679.25	N	0.001	VER	SBC3	OPE	PBS
761	PRIESKA	22 E44 25	29 S40 7	39	615.25	N	0.005	VER	MNET	OPE	CML
762	PRINCE ALBERT	22 E1 48	33 S14 7	31	487.25	N	0.008	VER	SBC1	OPE	PBS
763	PRINCE ALBERT	22 E1 48	33 S14 7	31	519.25	N	0.008	VER	SBC2	OPE	PBS
764	PRINCE ALBERT	22 E1 48	33 S14 7	31	551.25	N	0.008	VER	SBC3	OPE	PBS
765	PUNDA MARIA	30 E59 13	22 S43 31	9	215.25	N	0.032	VER	SBC1	OPE	PBS
766	PUNDA MARIA	30 E59 13	22 S43 31	6	191.25	20M	0.032	VER	SBC2	OPE	PBS
767	QWA QWA RES 23	28 E48 4	28 S32 30	58	767.25	N	0.003	VER	SBC1	OPE	PBS
768	QWA QWA RES 23	28 E48 4	28 S32 30	54	735.25	N	0.003	VER	SBC2	OPE	PBS
769	QWAQWA BERGOORD	28 E53 43	28 S40 57	43	647.25	20P	0.063	VER	SBC1	OPE	PBS
770	QWAQWA BERGOORD	28 E53 43	28 S40 57	47	679.25	20P	0.063	VER	SBC2	OPE	PBS
771	QWAQWA BERGOORD	28 E53 43	28 S40 57	51	711.25	N	0.126	VER	SBC3	OPE	PBS
772	QWAQWA WITSIESHOEK	28 E50 49	28 S31 2	36	591.25	N	0.1	VER	SBC1	OPE	PBS
773	RAWSONVILLE GEVONDEN	19 E16 10	33 S42 10	59	775.25	N	0.004	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
774	REIVILO	24 E10 29	27 S33 55	53	727.25	N	0.003	VER	SBC3	OPE	PBS
775	REITZ	28 E27 0	27 S47 31	39	615.25	N	0.005	VER	MNET	OPE	CML
776	REIVILO	24 E10 29	27 S33 55	55	743.25	N	0.005	VER	MNET	OPE	CML
777	RHODES DONKERHOEK	27 E52 36	30 S51 52	44	655.25	N	0.006	VER	SBC2	OPE	PBS
778	RICHMOND CP	23 E57 56	31 S25 25	39	615.25	N	0.004	VER	ETV	OPE	CML
779	RICHMOND CP	23 E57 56	31 S25 25	43	647.25	N	0.004	VER	SBC1	OPE	PBS
780	RICHMOND CP	23 E57 56	31 S25 25	47	679.25	N	0.004	VER	SBC2	OPE	PBS
781	RICHMOND CP	23 E57 56	31 S25 25	51	711.25	N	0.004	VER	SBC3	OPE	PBS
782	RICHMOND GAME VALLEY	30 E4 38	29 S54 45	47	679.25	N	0.003	VER	SBC2	OPE	PBS
783	RICHTERSVELD KHUBUS	16 E59 40	28 S26 22	26	511.25	N	0.005	VER	SBC1	OPE	PBS
784	RICHTERSVELD KHUBUS	16 E59 40	28 S26 22	30	543.25	20P	0.005	VER	SBC2	OPE	PBS
785	RICHTERSVELD KHUBUS	16 E59 40	28 S26 22	34	575.25	20P	0.005	VER	SBC3	OPE	PBS
786	RIEMVASMAAK SENDING	20 E19 49	28 S27 37	65	823.25	N	0.004	VER	ETV	OPE	CML
787	RIEMVASMAAK SENDING	20 E19 49	28 S27 37	53	727.25	N	0.004	VER	SBC1	OPE	PBS
788	RIEMVASMAAK SENDING	20 E19 49	28 S27 37	57	759.25	N	0.004	VER	SBC2	OPE	PBS
789	RIEMVASMAAK SENDING	20 E19 49	28 S27 37	61	791.25	N	0.004	VER	SBC3	OPE	PBS
790	RIEMVASMAAK VREDESVALLEI	20 E11 1	28 S30 10	65	823.25	N	0.008	VER	ETV	OPE	CML
791	RIEMVASMAAK VREDESVALLEI	20 E11 1	28 S30 10	53	727.25	N	0.008	VER	SBC1	OPE	PBS
792	RIEMVASMAAK VREDESVALLEI	20 E11 1	28 S30 10	57	759.25	N	0.008	VER	SBC2	OPE	PBS
793	RIEMVASMAAK VREDESVALLEI	20 E11 1	28 S30 10	61	791.25	N	0.008	VER	SBC3	OPE	PBS
794	RIETSPRUIT MINE	29 E11 31	26 S10 32	67	839.25	N	0.003	VER	SBC1	OPE	PBS
795	RIETSPRUIT MINE	29 E11 31	26 S10 32	63	807.25	N	0.003	VER	SBC2	OPE	PBS
796	RIETSPRUIT MINE	29 E11 31	26 S10 32	55	743.25	N	0.003	VER	SBC3	OPE	PBS
797	RIETSPRUIT MINE	29 E11 31	26 S10 32	59	775.25	N	0.003	VER	MNET	OPE	CML
798	RIVERSDALE	21 E15 35	34 S6 3	25	503.25	N	0.008	VER	SBC3	OPE	PBS
799	RIVERSDALE	21 E15 35	34 S6 3	21	471.25	N	0.005	VER	MNET	OPE	CML
800	RIVIERSONDEREND	19 E54 54	34 S8 5	25	503.25	N	0.006	VER	ETV	OPE	CML
801	RIVIERSONDEREND	19 E54 54	34 S8 5	21	471.25	N	0.006	VER	SBC3	OPE	PBS
802	ROBERTSON ROOIBERG	19 E46 46	33 S44 55	56	751.25	N	0.001	VER	SBC2	OPE	PBS
803	ROOSSENEKAL MAPOCHS	29 E54 56	25 S11 51	50	703.25	N	0.002	VER	SBC1	OPE	PBS
804	ROOSSENEKAL MAPOCHS	29 E54 56	25 S11 51	42	639.25	N	0.002	VER	SBC2	OPE	PBS
805	ROOSSENEKAL MAPOCHS	29 E54 56	25 S11 51	46	671.25	N	0.002	VER	SBC3	OPE	PBS
806	ROOSSENEKAL MAPOCHS	29 E55 56	25 S11 51	38	607.25	N	0.002	VER	MNET	OPE	CML
807	RUSTENBURG PLAT AMANDLB	27 E20 13	24 S48 20	28	527.25	20M	0.02	VER	MNET	OPE	CML
808	RUSTENBURG PLAT SWRTKLP	27 E9 7	24 S56 39	55	743.25	N	0.005	VER	MNET	OPE	CML
809	SABIE	30 E45 33	25 S7 44	60	783.25	N	0.05	VER	SBC1	OPE	PBS
810	SABIE	30 E45 33	25 S7 44	53	727.25	N	0.05	VER	SBC3	OPE	PBS
811	SABIE	30 E45 33	25 S7 44	68	847.25	N	0.02	VER	MNET	OPE	CML
812	SABIE BERGVLIET	30 E51 48	25 S1 55	48	687.25	N	0.006	VER	SBC1	OPE	PBS
813	SABIE BERGVLIET	30 E51 48	25 S1 55	44	655.25	N	0.006	VER	SBC2	OPE	PBS
814	SABIE DOORNHOEK	30 E37 10	25 S8 56	40	623.25	N	0.018	VER	SBC2	OPE	PBS
815	SABIE HEBRON	30 E52 46	25 S7 55	67	839.25	N	0.006	VER	SBC1	OPE	PBS
816	SABIE HEBRON	30 E52 46	25 S7 55	63	807.25	N	0.003	VER	SBC2	OPE	PBS
817	SABIE MAUCHSBERG	30 E55 49	24 S59 42	26	511.25	N	0.002	VER	SBC1	OPE	PBS
818	SABIE RAMANAS	31 E0 26	24 S52 34	49	695.25	N	0.01	VER	SBC2	OPE	PBS
819	SCARBOROUGH CP	18 E20 46	34 S10 37	64	815.25	20M	0.025	VER	SBC1	OPE	PBS
820	SCARBOROUGH CP	18 E20 46	34 S10 37	60	783.25	20M	0.025	VER	SBC2	OPE	PBS
821	SCARBOROUGH CP	18 E20 46	34 S10 37	68	847.25	20M	0.025	VER	SBC3	OPE	PBS
822	SCARBOROUGH CP	18 E20 46	34 S10 37	56	751.25	20M	0.01	VER	MNET	OPE	CML
823	SCHWEIZER-RENEKE	25 E19 60	27 S10 49	53	727.25	20M	0.025	VER	MNET	OPE	CML
824	SENEKAL	27 E36 27	28 S19 18	52	719.25	20M	0.025	VER	MNET	OPE	CML
825	SISHEN/KATHU ISCOR	23 E1 36	27 S44 54	41	631.25	20M	0.02	VER	ETV	OPE	CML
826	SISHEN/KATHU ISCOR	23 E1 36	27 S44 54	45	663.25	20M	0.02	VER	SBC3	OPE	PBS
827	SISHEN/KATHU ISCOR	23 E1 36	27 S44 54	37	599.25	20M	0.02	VER	MNET	OPE	CML
828	SKUITBAAI	24 E14 58	34 S4 29	37	599.25	N	0.002	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
829	SKUKUZA	31	E35	41	24	S57	11	49	695.25	N	5E-04	VER	SBC1	OPE	PBS
830	SKUKUZA	31	E35	41	24	S57	11	37	599.25	N	5E-04	VER	SBC2	OPE	PBS
831	SKUKUZA	31	E35	41	24	S57	11	41	631.25	N	0.005	VER	SBC3	OPE	PBS
832	SKUKUZA	31	E35	41	24	S57	11	45	663.25	N	0.005	VER	MNET	OPE	CML
833	SLANGRIVIER	20	E51	25	34	S8	57	36	591.25	N	0.004	VER	ETV	OPE	CML
834	SLANGRIVIER	20	E51	25	34	S8	57	32	559.25	N	0.004	VER	SBC3	OPE	PBS
835	SLURRY PPC	25	E50	24	25	S48	54	61	791.25	N	0.002	VER	MNET	OPE	CML
836	SOMERSET EAST	25	E34	41	32	S42	45	68	847.25	N	0.004	VER	ETV	OPE	CML
837	SOMERSET EAST	25	E34	41	32	S42	45	65	823.25	N	0.005	VER	MNET	OPE	CML
838	SOMERSET EAST	25	E34	41	32	S42	45	61	791.25	N	0.01	VER	SBC1	OPE	PBS
839	SOMERSET EAST	25	E34	41	32	S42	45	65	823.25	N	0.005	VER	MNET	OPE	CML
840	SPRINGBOK BERGSIG	17	E53	2	29	S39	-20	40	623.25	N	0.001	VER	SBC1	OPE	PBS
841	SPRINGBOK BERGSIG	17	E53	2	29	S39	20	44	655.25	N	0.001	VER	SBC2	OPE	PBS
842	SPRINGBOK BERGSIG	17	E53	2	29	S39	20	48	687.25	N	0.001	VER	SBC3	OPE	PBS
843	SPRINGBOK MATJIESKLOOF	17	E52	45	29	S40	11	40	623.25	N	0.001	VER	SBC1	OPE	PBS
844	SPRINGBOK MATJIESKLOOF	17	E52	45	29	S40	11	44	655.25	N	0.001	VER	SBC2	OPE	PBS
845	SPRINGBOK MATJIESKLOOF	17	E52	45	29	S40	11	48	687.25	N	0.001	VER	SBC3	OPE	PBS
846	SPRINGBOK TOWN	17	E52	57	29	S39	31	31	551.25	N	0.025	VER	SBC1	OPE	PBS
847	SPRINGBOK TOWN	17	E52	57	29	S39	31	23	487.25	N	0.013	VER	SBC2	OPE	PBS
848	SPRINGBOK TOWN	17	E52	57	29	S39	31	35	583.25	N	0.025	VER	SBC3	OPE	PBS
849	SPRINGBOK TOWN	17	E52	57	29	S39	31	27	519.25	N	0.003	VER	MNET	OPE	CML
850	SPRINGFONTEIN	25	E46	5	30	S15	48	27	519.25	N	0.006	HOR	SBC1	OPE	PBS
851	SPRINGFONTEIN	25	E46	5	30	S15	48	23	487.25	N	0.006	HOR	SBC3	OPE	PBS
852	STEELPOORT LEKGOBO	30	E11	35	24	S41	10	30	543.25	20P	0.071	VER	SBC1	OPE	PBS
853	STEELPOORT LEKGOBO	30	E11	35	24	S41	10	22	479.25	20P	0.071	VER	SBC2	OPE	PBS
854	STEELPOORT LEKGOBO	30	E11	35	24	S41	10	34	575.25	20P	0.071	VER	SBC3	OPE	PBS
855	STEELPOORT LEKGOBO	30	E11	35	24	S41	10	26	511.25	20M	0.063	VER	MNET	OPE	CML
856	STEELPOORT MOKOME	30	E7	56	24	S46	50	28	527.25	20P	0.02	VER	SBC1	OPE	PBS
857	STEELPOORT MOKOME	30	E7	56	24	S46	50	32	559.25	20P	0.02	VER	SBC2	OPE	PBS
858	STEELPOORT MOKOME	30	E7	56	24	S46	50	24	495.25	20P	0.02	VER	SBC3	OPE	PBS
859	STEELPOORT MOKOME	30	E7	56	24	S46	50	36	591.25	20P	0.025	VER	MNET	OPE	CML
860	STEELPOORT MONTROSE	30	E8	20	24	S37	7	50	703.25	N	0.007	VER	SBC1	OPE	PBS
861	STEELPOORT MONTROSE	30	E8	20	24	S37	7	46	671.25	N	0.007	VER	SBC2	OPE	PBS
862	STEELPOORT MONTROSE	30	E8	20	24	S37	7	38	607.25	N	0.007	VER	SBC3	OPE	PBS
863	STEELPOORT MONTROSE	30	E8	20	24	S37	7	42	639.25	N	0.005	VER	MNET	OPE	CML
864	STEINKOPF	17	E44	17	29	S14	54	50	703.25	N	0.004	VER	ETV	OPE	CML
865	STEINKOPF	17	E44	17	29	S14	54	38	607.25	N	0.004	VER	SBC1	OPE	PBS
866	STEINKOPF	17	E44	17	29	S14	54	42	639.25	N	0.004	VER	SBC2	OPE	PBS
867	STEINKOPF	17	E44	17	29	S14	54	46	671.25	N	0.004	VER	SBC3	OPE	PBS
868	STEINKOPF HENKRIES	18	E5	0	28	S58	37	31	551.25	N	0.003	VER	SBC2	OPE	PBS
869	STEINKOPF VIOOLSDRIF	17	E37	5	28	S46	15	31	551.25	N	0.001	VER	SBC2	OPE	PBS
870	STELLA	24	E52	8	26	S33	19	56	751.25	N	0.005	VER	MNET	OPE	CML
871	STERKSPRUIT	27	E21	43	30	S31	59	49	695.25	N	0.016	VER	ETV	OPE	CML
872	STERKSPRUIT	27	E21	43	30	S31	59	45	663.25	N	0.016	VER	SBC3	OPE	PBS
873	STEYNSBURG	25	E48	38	31	S17	55	47	679.25	N	0.003	VER	SBC1	OPE	PBS
874	STEYNSBURG	25	E48	38	31	S17	55	43	647.25	N	0.003	VER	SBC2	OPE	PBS
875	STEYNSBURG	25	E48	38	31	S17	55	51	711.25	N	0.003	VER	SBC3	OPE	PBS
876	STEYTLERVILE BIKAMMA	24	E8	57	33	S11	58	49	695.25	N	0.001	VER	SBC2	OPE	PBS
877	STEYTLERVILLE	24	E20	41	33	S19	0	56	751.25	N	0.003	VER	SBC1	OPE	PBS
878	STEYTLERVILLE	24	E20	41	33	S19	0	60	783.25	N	0.003	VER	SBC2	OPE	PBS
879	STEYTLERVILLE	24	E20	41	33	S19	0	64	815.25	N	0.003	VER	SBC3	OPE	PBS
880	STEYTLERVILLE DE DAM	24	E38	39	33	S16	51	30	543.25	N	0.002	VER	SBC2	OPE	PBS
881	ST HELENABAAI	18	E9	10	32	S46	20	53	727.25	20P	0.1	VER	MNET	OPE	CML
882	STILBAAI	21	E25	25	34	S21	55	44	655.25	N	0.003	VER	SBC1	OPE	PBS
883	STILBAAI	21	E25	25	34	S21	55	52	719.25	N	0.003	VER	SBC2	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

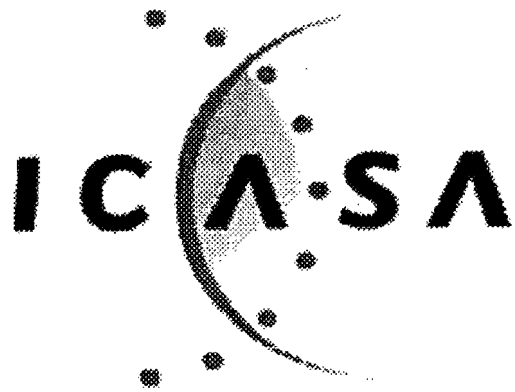
NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
884	STILBAAI	21	E25	25	34	S21	55	48	687.25	N	0.003	VER	SBC3	OPE	PBS
885	STILBAAI	21	E25	25	34	S21	55	40	623.25	N	0.006	VER	MNET	OPE	CML
886	STILBAAI JONGENSFONTEIN	21	E19	58	34	S25	48	30	543.25	N	0.005	VER	SBC1	OPE	PBS
887	STILBAAI JONGENSFONTEIN	21	E19	58	34	S25	48	26	511.25	N	0.005	VER	SBC2	OPE	PBS
888	STILBAAI JONGENSFONTEIN	21	E19	58	34	S25	48	22	479.25	N	0.005	VER	SBC3	OPE	PBS
889	STILBAAI MELKHOUTFONTEIN	21	E24	33	34	S20	0	32	559.25	N	0.003	VER	SBC1	OPE	PBS
890	STILBAAI MELKHOUTFONTEIN	21	E24	33	34	S20	0	28	527.25	N	0.003	VER	SBC2	OPE	PBS
891	STILBAAI MELKHOUTFONTEIN	21	E24	33	34	S20	0	24	495.25	N	0.003	VER	SBC3	OPE	PBS
892	ST LUCIA	32	E24	55	28	S22	19	56	751.25	N	0.005	VER	MNET	OPE	CML
893	STOFFBERG	29	E48	0	25	S25	3	25	503.25	N	0.005	VER	SBC1	OPE	PBS
894	STOFFBERG	29	E48	0	25	S25	3	21	471.25	N	0.004	VER	SBC2	OPE	PBS
895	STOFFBERG WELGEVONDEN	29	E53	54	25	S28	29	63	807.25	N	0.001	VER	SBC2	OPE	PBS
896	STORMS RIVER BOSKOR	23	E48	51	33	S58	20	57	759.25	N	0.002	VER	ETV	OPE	CML
897	STORMS RIVER BOSKOR	23	E48	51	33	S58	20	50	703.25	N	0.002	VER	SBC1	OPE	PBS
898	STORMS RIVER BOSKOR	23	E48	51	33	S58	20	38	607.25	N	0.002	VER	SBC2	OPE	PBS
899	STORMS RIVER BOSKOR	23	E48	51	33	S58	20	46	671.25	N	0.002	VER	SBC3	OPE	PBS
900	STORMS RIVER BOSKOR	23	E48	43	33	S58	22	52	639.25	N	0.001	VER	MNET	OPE	CML
901	STRANDFONTEIN CP	18	E13	43	31	S45	25	30	543.25	N	5E-04	VER	SBC1	OPE	PBS
902	STRANDFONTEIN CP	18	E13	43	31	S45	25	26	511.25	N	5E-04	VER	SBC2	OPE	PBS
903	SUTHERLAND	20	E39	59	32	S23	28	61	791.25	N	0.004	VER	ETV	OPE	CML
904	SUTHERLAND	20	E39	59	32	S23	28	57	759.25	N	0.004	VER	SBC1	OPE	PBS
905	SUTHERLAND	20	E39	59	32	S23	28	53	727.25	N	0.004	VER	SBC2	OPE	PBS
906	SUTHERLAND	20	E39	59	32	S23	28	65	823.25	N	0.004	VER	SBC3	OPE	PBS
907	SUTHERLAND ELANDSRIVIER	20	E45	31	31	S56	56	35	583.25	N	0.005	VER	SBC2	OPE	PBS
908	SUTHERLAND MERINO	20	E49	25	32	S20	47	36	591.25	N	0.002	VER	SBC2	OPE	PBS
909	SUTHERLAND MIDDEL RIETRIVIER	20	E51	29	32	S4	49	25	503.25	N	0.004	VER	SBC2	OPE	PBS
910	SUTHERLAND OBSERVATORY	20	E48	38	32	S22	41	46	671.25	N	0.003	VER	SBC2	OPE	PBS
911	SUTHERLAND RHEBOKSFONTEIN	20	E30	10	32	S20	52	48	687.25	N	0.013	VER	SBC2	OPE	PBS
912	SUTHERLAND RHENOSTER RIVIER	20	E41	29	32	S10	32	27	519.25	N	0.003	VER	SBC2	OPE	PBS
913	SUTHERLAND TAFELBERGPLAAT	21	E5	46	32	S15	11	57	759.25	N	0.004	VER	SBC2	OPE	PBS
914	SUTHERLAND VYFFONTEIN	20	E35	2	32	S25	18	29	535.25	N	1E-04	HOR	SBC2	OPE	PBS
915	SUTHERLAND WELGMOED	20	E47	55	32	S40	39	33	567.25	N	0.003	VER	SBC2	OPE	PBS
916	SUURBRAAK	20	E39	46	34	S0	35	64	815.25	N	0.003	VER	ETV	OPE	CML
917	SUURBRAAK	20	E39	46	34	S0	35	56	751.25	N	0.003	VER	SBC1	OPE	PBS
918	SUURBRAAK	20	E39	46	34	S0	35	58	767.25	N	0.003	VER	SBC2	OPE	PBS
919	SUURBRAAK	20	E39	46	34	S0	35	60	783.25	N	0.003	VER	SBC3	OPE	PBS
920	SWARTBERG BATHURST	29	E25	25	30	S1	25	39	615.25	N	0.002	VER	SBC2	OPE	PBS
921	SWARTBERG THE FIRS	29	E10	35	30	S9	5	60	783.25	N	0.003	VER	SBC2	OPE	PBS
922	SWARTUMFOLOZI KWASIPUNGA	31	E12	2	27	S51	52	40	623.25	N	8E-04	VER	SBC2	OPE	PBS
923	SWELLENDAM	20	E28	3	34	S0	34	33	567.25	N	0.016	VER	ETV	OPE	CML
924	SWELLENDAM	20	E28	3	34	S0	34	29	535.25	N	0.016	VER	SBC1	OPE	PBS
925	SWELLENDAM	20	E28	3	34	S0	34	25	503.25	N	0.016	VER	SBC2	OPE	PBS
926	SWELLENDAM	20	E28	3	34	S0	34	21	471.25	N	0.016	VER	SBC3	OPE	PBS
927	TARKASTAD	26	E15	47	32	S0	45	24	495.25	N	0.005	VER	MNET	OPE	CML
928	TARKASTAD	26	E15	47	32	S0	45	36	591.25	N	0.005	VER	SBC1	OPE	PBS
929	TARKASTAD	26	E15	47	32	S0	45	28	527.25	N	0.005	VER	SBC2	OPE	PBS
930	TARKASTAD	26	E15	47	32	S0	45	32	559.25	N	0.005	VER	SBC3	OPE	PBS
931	TARKASTAD	26	E15	47	32	S0	45	24	495.25	N	0.004	VER	MNET	OPE	CML
932	THABAZIMBI 11	27	E24	38	24	S36	20	44	655.25	N	0.04	VER	MNET	OPE	CML
933	THABAZIMBI ISCOR	27	E24	36	24	S36	21	42	639.25	20M	0.03	VER	SBC3	OPE	PBS
934	THABAZIMBI MUNICIPALITY	27	E24	38	24	S36	20	40	623.25	N	0.004	VER	SBC2	OPE	PBS
935	THOHOYANDOU	30	E26	50	22	S56	57	38	607.25	20P	0.1	VER	MNET	OPE	CML
936	TOUWSRIVER LINK	20	E2	43	33	S20	29	43	647.25	20M	0.005	VER	SBC1	OPE	PBS
937	TOUWSRIVIER	20	E1	12	33	S20	59	28	527.25	20M	0.012	VER	SBC1	OPE	PBS
938	TOUWSRIVIER	20	E1	12	33	S20	59	32	559.25	20P	0.012	VER	SBC3	OPE	PBS

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
939	TSHIKONDENI VENDA	30	E55	41	22	S31	31	26	511.25	N	0.025	VER	SBC1	OPE	PBS
940	TSHIKONDENI VENDA	30	E55	41	22	S31	31	30	543.25	N	0.025	VER	SBC2	OPE	PBS
941	TSHIKONDENI VENDA	30	E55	41	22	S31	31	34	575.25	N	0.025	VER	SBC3	OPE	PBS
942	TSHIKONDENI VENDA	30	E55	41	22	S31	31	22	479.25	N	0.01	VER	MNET	OPE	CML
943	TUGELA FERRY	30	E26	36	28	S44	38	35	583.25	N	0.05	VER	ETV	OPE	CML
944	TUGELA FERRY	30	E26	36	28	S44	38	23	487.25	N	0.05	VER	SBC1	OPE	PBS
945	TUGELA FERRY	30	E26	36	28	S44	38	27	519.25	N	0.05	VER	SBC2	OPE	PBS
946	TUGELA FERRY	30	E26	36	28	S44	38	31	551.25	N	0.05	VER	SBC3	OPE	PBS
947	TULBAGH	19	E3	54	33	S16	21	40	623.25	20P	0.025	VER	SBC3	OPE	PBS
948	TULBAGH	19	E4	7	33	S16	42	43	647.25	N	0.004	VER	MNET	OPE	CML
949	TZANEEN MAGOEBASKLOOF	30	E2	25	23	S51	16	28	527.25	N	5E-04	VER	SBC2	OPE	PBS
950	UGIE	28	E13	55	31	S12	28	36	591.25	N	0.004	VER	ETV	OPE	CML
951	UGIE	28	E13	55	31	S12	28	32	559.25	N	0.004	VER	SBC3	OPE	PBS
952	ULUNDI	31	E24	8	28	S26	23	30	543.25	20P	0.05	VER	ETV	OPE	CML
953	ULUNDI	31	E24	8	28	S26	23	60	783.25	20P	0.05	VER	SBC3	OPE	PBS
954	ULUNDI	31	E24	9	28	S26	19	56	751.25	20P	0.079	VER	MNET	OPE	CML
955	ULUNDI NDEVU	31	E39	25	28	S15	47	51	711.25	N	0.004	VER	SBC1	OPE	PBS
956	ULUNDI NDEVU	31	E39	25	28	S15	47	47	679.25	N	0.003	VER	SBC2	OPE	PBS
957	UNDERBERG	29	E30	38	29	S47	57	41	631.25	N	0.004	VER	SBC1	OPE	PBS
958	UNDERBERG	29	E30	38	29	S47	57	37	599.25	N	0.004	VER	SBC2	OPE	PBS
959	UNDERBERG CASTLE END	29	E16	22	29	S44	47	31	551.25	N	1E-04	VER	SBC2	OPE	PBS
960	UNDERBERG DRAKENSBERG GARDEI	29	E14	47	29	S44	52	28	527.25	N	0.001	VER	SBC1	OPE	PBS
961	UNDERBERG DRAKENSBERG GARDEI	29	E14	47	29	S44	52	24	495.25	N	0.001	VER	SBC2	OPE	PBS
962	UNDERBERG LONGLANDS	29	E34	19	29	S34	45	39	615.25	N	0.001	VER	SBC2	OPE	PBS
963	UNDERBERG PIERRE MONT	29	E40	2	29	S53	13	51	711.25	N	0.003	VER	SBC2	OPE	PBS
964	UNDERBERG SANI PASS	29	E28	47	29	S40	21	21	471.25	N	0.014	VER	SBC2	OPE	PBS
965	UNDERBERG SNOW HILL	29	E33	47	29	S42	3	32	559.25	N	0.003	VER	SBC2	OPE	PBS
966	UNIONDALE TOWN	23	E7	36	33	S38	46	34	575.25	20P	0.004	VER	ETV	OPE	CML
967	UNIONDALE TOWN	23	E7	36	33	S38	46	22	479.25	20P	0.004	VER	SBC1	OPE	PBS
968	UNIONDALE TOWN	23	E7	36	33	S38	46	26	511.25	20P	0.004	VER	SBC3	OPE	PBS
969	UPINGTON TOWN	21	E12	17	28	S30	24	33	567.25	20M	0.05	VER	ETV	OPE	CML
970	UPINGTON TOWN	21	E12	17	28	S30	24	29	535.25	20M	0.1	VER	SBC3	OPE	PBS
971	UTRECHT	30	E20	48	27	S39	39	21	471.25	N	0.01	VER	MNET	OPE	CML
972	UTRECHT GOEDEHOOP	30	E33	40	27	S44	48	59	775.25	N	0.001	VER	SBC1	OPE	PBS
973	UTRECHT GOEDEHOOP	30	E33	40	27	S44	48	55	743.25	N	0.001	VER	SBC2	OPE	PBS
974	VANDERKLOOF	24	E44	22	30	S0	13	42	639.25	N	0.004	VER	SBC1	OPE	PBS
975	VANDERKLOOF	24	E44	22	30	S0	13	46	671.25	N	0.004	VER	SBC2	OPE	PBS
976	VANDERKLOOF	24	E44	22	30	S0	13	50	703.25	N	0.004	VER	SBC3	OPE	PBS
977	VANWYKSDORP	21	E28	17	33	S43	6	21	471.25	N	0.005	VER	SBC2	OPE	PBS
978	VICTORIA WEST	23	E6	49	31	S24	26	25	503.25	N	0.004	VER	ETV	OPE	CML
979	VICTORIA WEST	23	E6	49	31	S24	26	27	519.25	N	0.004	VER	SBC1	OPE	PBS
980	VICTORIA WEST	23	E6	49	31	S24	26	23	487.25	N	4E-04	VER	SBC2	OPE	PBS
981	VICTORIA WEST	23	E6	49	31	S24	26	31	551.25	N	0.004	VER	SBC3	OPE	PBS
982	VICTORIA WEST	23	E6	36	31	S23	49	35	583.25	N	0.003	VER	MNET	OPE	CML
983	VILLIERS	28	E36	56	27	S2	8	64	815.25	N	0.004	VER	SBC1	OPE	PBS
984	VILLIERS	28	E36	56	27	S2	8	68	847.25	N	0.004	VER	SBC2	OPE	PBS
985	VILLIERS	28	E36	56	27	S2	8	60	783.25	N	0.004	VER	SBC3	OPE	PBS
986	VILLIERS	28	E36	56	27	S2	8	56	751.25	N	0.005	VER	MNET	OPE	CML
987	VILLIERSDORP ELANDSKLOOF	19	E16	43	33	S54	28	21	471.25	N	0.003	VER	ETV	OPE	CML
988	VILLIERSDORP ELANDSKLOOF	19	E16	43	33	S54	28	29	535.25	N	0.003	VER	SBC1	OPE	PBS
989	VILLIERSDORP ELANDSKLOOF	19	E16	43	33	S54	28	25	503.25	N	0.003	VER	SBC2	OPE	PBS
990	VILLIERSDORP ELANDSKLOOF	19	E16	43	33	S54	28	33	567.25	N	0.003	VER	SBC3	OPE	PBS
991	VILLIERSDORP TOWN	19	E16	58	33	S59	8	31	551.25	N	0.006	VER	SBC3	OPE	PBS
992	VOLKSRUST	29	E55	10	27	S21	38	37	599.25	N	0.05	VER	MNET	OPE	CML
993	VREDENBURG	17	E59	2	32	S55	2	27	559.25	20M	0.079	VER	MNET	OPE	CML
994	VREDENDAL	18	E41	24	31	S45	15	29	535.25	N	0.05	VER	ETV	OPE	CML

ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES						TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE			LATITUDE			CH	FREQ	OFFSET	ERP	POL	PROG	STAT	CAT
995	VREDENDAL	18	E41	24	31	S45	15	25	503.25	N	0.05	VER	SBC3	OPE	PBS
996	VREDENDAL	18	E41	24	31	S45	15	21	471.25	N	0.05	VER	MNET	OPE	CML
997	VRYBURG	24	E43	9	26	S56	50	59	775.25	20P	0.004	VER	SBC3	OPE	PBS
998	VRYBURG	24	E43	9	26	S56	50	63	807.25	20P	0.032	VER	MNET	OPE	CML
999	VRYHEID	30	E47	33	27	S44	36	43	647.25	N	0.01	HOR	SBC3	OPE	PBS
1000	VRYHEID GROOTGELUK	31	E18	28	27	S52	30	42	639.25	N	0.003	VER	SBC1	OPE	PBS
1001	VRYHEID GROOTGELUK	31	E18	28	27	S52	30	50	703.25	N	0.003	VER	SBC2	OPE	PBS
1002	VRYHEID LENJANE	30	E58	7	27	S53	0	41	631.25	N	0.002	VER	SBC2	OPE	PBS
1003	VRYHEID SCHOONUITZIGHT	31	E6	39	28	S10	18	46	671.25	N	0.001	VER	SBC2	OPE	PBS
1004	WAENHUISKRANS	20	E13	44	34	S40	27	24	495.25	N	0.005	VER	SBC3	OPE	PBS
1005	WAKKERSTROOM SKURWEKLIP	30	E15	23	27	S28	47	49	695.25	N	0.003	VER	SBC1	OPE	PBS
1006	WAKKERSTROOM SKURWEKLIP	30	E15	23	27	S28	47	41	631.25	N	0.003	VER	SBC2	OPE	PBS
1007	WARDEN	28	E58	32	27	S50	2	29	535.25	N	0.003	VER	SBC2	OPE	PBS
1008	WATERVAL BOVEN	30	E19	49	25	S38	54	59	775.25	N	0.002	VER	SBC1	OPE	PBS
1009	WATERVAL BOVEN	30	E19	49	25	S38	54	67	839.25	N	0.002	VER	SBC2	OPE	PBS
1010	WATERVAL BOVEN	30	E19	49	25	S38	54	63	807.25	N	0.002	VER	MNET	OPE	CML
1011	WELKOM N/CAPE	20	E36	31	26	S32	51	35	583.25	N	0.05	HOR	ETV	OPE	CML
1012	WELKOM N/CAPE	20	E36	31	26	S32	51	23	487.25	N	0.05	HOR	SBC1	OPE	PBS
1013	WELKOM N/CAPE	20	E36	31	26	S32	51	27	519.25	N	0.05	HOR	SBC2	OPE	PBS
1014	WELKOM N/CAPE	20	E36	31	26	S32	51	31	551.25	N	0.05	HOR	SBC3	OPE	PBS
1015	WEMMERSHOEK	19	E3	18	33	S51	7	66	831.25	N	0.004	VER	ETV	OPE	CML
1016	WEMMERSHOEK	19	E3	18	33	S51	7	54	735.25	N	0.004	VER	SBC1	OPE	PBS
1017	WEMMERSHOEK	19	E3	18	33	S51	7	58	767.25	N	0.004	VER	SBC2	OPE	PBS
1018	WEMMERSHOEK	19	E3	18	33	S51	7	62	799.25	N	0.004	VER	SBC3	OPE	PBS
1019	WEPENER WELBEDAGDAM	26	E50	22	29	S54	5	31	551.25	N	0.003	VER	SBC1	OPE	PBS
1020	WILLISTON	20	E55	7	31	S20	40	50	703.25	N	0.004	VER	ETV	OPE	CML
1021	WILLISTON	20	E55	7	31	S20	40	38	607.25	N	0.004	VER	SBC1	OPE	PBS
1022	WILLISTON	20	E55	7	31	S20	40	46	671.25	N	0.004	VER	SBC3	OPE	PBS
1023	WILLISTON GROOTMEESTERKLIP	21	E18	19	31	S4	11	63	807.25	N	0.004	VER	SBC2	OPE	PBS
1024	WILLISTON HEUNINGBERG	21	E0	25	30	S54	24	23	487.25	N	0.001	VER	SBC2	OPE	PBS
1025	WILLISTON LUKASFONTEIN	21	E17	7	31	S44	57	29	535.25	20P	0.079	VER	SBC2	OPE	PBS
1026	WILLISTON TWEEMIK	21	E9	22	30	S41	10	26	511.25	N	0.005	VER	SBC2	OPE	PBS
1027	WILLOWMORE	23	E27	36	33	S14	5	53	727.25	20M	0.221	HOR	SBC1	OPE	PBS
1028	WILLOWMORE II	23	E29	44	33	S17	33	21	471.25	N	0.003	VER	MNET	OPE	CML
1029	WILLOWMORE II	23	E29	44	33	S17	33	25	503.25	N	0.003	VER	SBC1	OPE	PBS
1030	WILLOWMORE II	23	E29	44	33	S17	33	29	535.25	N	0.003	VER	SBC3	OPE	PBS
1031	WILLOWMORE STUDTIS	24	E6	42	33	S37	35	26	511.25	N	0.004	VER	SBC2	OPE	PBS
1032	WINTERTON CATHKIN PEAK	29	E25	48	29	S0	15	46	671.25	N	0.003	VER	SBC1	OPE	PBS
1033	WINTERTON CATHKIN PEAK	29	E25	48	29	S0	15	42	639.25	N	0.003	VER	SBC2	OPE	PBS
1034	WITBANK LANDAU	29	E12	53	25	S56	44	60	783.25	N	0.002	VER	SBC1	OPE	PBS
1035	WITBANK LANDAU	29	E12	53	25	S56	44	56	751.25	N	0.002	VER	SBC2	OPE	PBS
1036	WITBANK LANDAU	29	E12	53	25	S56	44	68	847.25	N	0.002	VER	SBC3	OPE	PBS
1037	WITBANK LANDAU	29	E12	53	25	S56	44	64	815.25	N	0.001	VER	MNET	OPE	CML
1038	WITZENBERG EBENHAEZER	19	E14	58	33	S10	2	46	671.25	N	0.002	VER	SBC2	OPE	PBS
1039	WUPPERTAL	19	E14	58	32	S15	58	37	599.25	N	0.004	VER	SBC2	OPE	PBS
1040	ZEERUST	26	E4	0	25	S32	38	28	527.25	20P	0.02	VER	MNET	OPE	CML



ANNEXURE F

DTT FREQUENCY NETWORKS

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
1	ALEXANDER BAY	016E29 49	28S36 32	27	522	0.1	V	SPA	DTT1
2	ALEXANDER BAY	016E29 49	28S36 32	29	538	0.1	V	SPA	DTT2
3	ALIWAL NORTH	026E34 00	30S47 05	21	474	10	H	SPA	DTT1
4	ALIWAL NORTH	026E34 00	30S47 05	25	506	10	H	SPA	DTT2
5	AMANDA GLEN	018E40 33	33S51 18	38	610	0.02	V	SPA	DTT1
6	AMANDA GLEN	018E40 33	33S51 18	50	706	0.02	V	SPA	DTT2
7	ANDRIESKRAAL	024E42 33	33S46 37	32	562	0.01	V	SPA	DTT1
8	ANDRIESKRAAL	024E42 33	33S46 37	36	594	0.01	V	SPA	DTT2
9	AURORA	018E38 29	33S49 39	38	610	0.001	V	SPA	DTT1
10	AURORA	018E38 29	33S49 39	50	706	0.001	V	SPA	DTT2
11	BARKLY EAST	027E26 00	30S51 30	27	522	0.35	V	SPA	DTT1
12	BARKLY EAST	027E26 00	30S51 30	31	554	0.35	V	SPA	DTT2
13	BEAUFORT WEST	022E30 25	32S15 29	41	634	56.1	H	SPA	DTT1
14	BEAUFORT WEST	022E30 25	32S15 29	45	666	60	H	SPA	DTT2
15	BEDFORD	026E02 57	32S37 57	21	474	10	H	SPA	DTT1
16	BEDFORD	026E02 57	32S37 57	25	506	10	H	SPA	DTT2
17	BETHLEHEM	028E29 58	28S14 10	35	586	10	H	SPA	DTT1
18	BETHLEHEM	028E29 58	28S14 10	31	554	10	H	SPA	DTT2
19	BETHLEHEM (TOWN)	028E29 58	28S14 10	35	586	0.15	V	SPA	DTT1
20	BETHLEHEM (TOWN)	028E29 58	28S14 10	31	554	0.155	V	SPA	DTT2
21	BEZVALLEY	028E 05 04	26S11 41	54	738	0.07	V	SPA	DTT1
22	BEZVALLEY	028E 05 04	26S11 41	58	770	0.07	V	SPA	DTT2
23	BLOEMFONTEIN	026E13 50	29S06 13	52	722	100	H	SPA	DTT1
24	BLOEMFONTEIN	026E13 50	29S06 13	55	746	100	H	SPA	DTT2
25	BLOUBERG	028E59 12	23S04 19	37	602	2	V	SPA	DTT1
26	BLOUBERG	028E59 12	23S04 19	41	634	2	V	SPA	DTT2
27	BOESMANSKOP	027E12 55	30S00 28	35	586	10	H	SPA	DTT1
28	BOESMANSKOP	027E12 55	30S00 28	29	538	10	H	SPA	DTT2
29	BRONKHORSPRUIT	028E43 38	25S46 13	32	562	0.2	V	SPA	DTT1
30	BRONKHORSPRUIT	028E43 38	25S46 13	34	578	0.2	V	SPA	DTT2
31	BURGERSDORP	026E20 21	31S00 02	47	682	0.1	V	SPA	DTT1
32	BURGERSDORP	026E20 21	31S00 02	51	714	0.1	V	SPA	DTT2
33	BURGERSFORT	030E19 48	24S40 05	33	570	50	H	SPA	DTT1
34	BURGERSFORT	030E19 48	24S40 05	29	538	50	H	SPA	DTT2
35	BUTTERWORTH	028E12 25	32S16 35	23	490	10	H	SPA	DTT1
36	BUTTERWORTH	028E12 25	32S16 35	27	522	10	H	SPA	DTT2
37	CALA	027E45 02	31S33 15	46	674	10	V	SPA	DTT1
38	CALA	027E45 02	31S33 15	48	690	10	V	SPA	DTT2
39	CALVINIA	019E46 57	31S23 03	24	498	10	H	SPA	DTT1
40	CALVINIA	019E46 57	31S23 03	26	514	10	H	SPA	DTT2
41	CAPE TOWN	018E23 15	34S03 15	38	610	20	V	SPA	DTT1
42	CAPE TOWN	018E23 15	34S03 15	50	706	20	V	SPA	DTT2
43	CAROLINA	030E37 57	26S10 37	64	818	10	H	SPA	DTT1
44	CAROLINA	030E37 57	26S10 37	66	834	10	H	SPA	DTT2
45	CERES	019E27 32	33S15 10	25	506	11	V	SPA	DTT1
46	CERES	019E27 32	33S15 10	33	570	11	V	SPA	DTT2
47	CHRISTIANA	024E55 50	27S53 03	56	754	1	H	SPA	DTT1
48	CHRISTIANA	024E55 50	27S53 03	60	786	1	H	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

	TRANSMITTING	GEO. CO-ORDINATES			FREQ				
NO	STATION NAME	LONGITUDE	LATITUDE	CH	MHz	ERP(kW)	POL	STAT	CAT
49	CLIFTON	018E22 37	33S56 30	38	610	0.01	H	SPA	DTT1
50	CLIFTON	018E22 37	33S56 30	50	706	0.01	H	SPA	DTT2
51	COLESBERG	025E03 28	30S42 30	27	522	0.5	V	SPA	DTT1
52	COLESBERG	025E03 28	30S42 30	31	554	0.5	V	SPA	DTT2
53	CRADOCK	025E32 27	32S18 01	44	658	10	H	SPA	DTT1
54	CRADOCK	025E32 27	32S18 01	35	586	10	H	SPA	DTT2
55	DAVEL	029E37 26	26S27 30	40	626	50	H	SPA	DTT1
56	DAVEL	029E37 26	26S27 30	44	658	50	H	SPA	DTT2
57	DE AAR	023E59 16	30S27 49	56	754	50	H	SPA	DTT1
58	DE AAR	023E59 16	30S27 49	60	786	50	H	SPA	DTT2
59	DEBEERSRUS	022E12 00	26S36 00	54	738	50	H	SPA	DTT1
60	DEBEERSRUS	022E12 00	26S36 00	58	770	50	H	SPA	DTT2
61	DESPATCH	025E25 29	33S45 53	45	666	0.2	V	SPA	DTT1
62	DESPATCH	025E25 29	33S45 53	28	530	0.2	V	SPA	DTT2
63	DEWETSDORP	026E39 37	29S34 44	62	812	0.01	V	SPA	DTT1
64	DEWETSDORP	026E39 37	29S34 44	66	844	0.01	V	SPA	DTT2
65	DONNYBROOK	029E51 19	29S54 56	64	818	10	H	SPA	DTT1
66	DONNYBROOK	029E51 19	29S54 56	68	850	10	H	SPA	DTT2
67	DORINGKRUIN	026E41 00	26S49 05	24	498	1	V	SPA	DTT1
68	DORINGKRUIN	026E41 00	26S49 05	28	530	1	V	SPA	DTT2
69	DOUGLAS	023E31 49	29S04 14	55	746	10	H	SPA	DTT1
70	DOUGLAS	023E31 49	29S04 14	59	778	10	H	SPA	DTT2
71	DULLSTROOM	030E11 17	25S34 21	57	762	5	H	SPA	DTT1
72	DULLSTROOM	030E11 17	25S34 21	51	714	5	H	SPA	DTT2
73	DURBAN	030E43 00	29S46 11	46	674	100	H	SPA	DTT1
74	DURBAN	030E43 00	29S46 11	50	706	100	H	SPA	DTT2
75	DURBAN NORTH	031E02 24	29S45 52	46	674	1	V	SPA	DTT1
76	DURBAN NORTH	031E02 24	29S45 52	50	706	1	V	SPA	DTT2
77	DZAMBA	030E18 41	22S49 05	36	594	1	V	SPA	DTT1
78	DZAMBA	030E18 41	22S49 05	32	562	1	V	SPA	DTT2
79	EAST LONDON	027E48 58	32S56 20	58	770	50	H	SPA	DTT1
80	EAST LONDON	027E48 58	32S56 20	62	802	50	H	SPA	DTT2
81	ELANDS HEIGHT	028E07 10	30S47 44	47	682	10	V	SPA	DTT1
82	ELANDS HEIGHT	028E07 10	30S47 44	26	514	10	V	SPA	DTT2
83	ELLIOT	027E51 57	31S10 36	62	802	0.4	V	SPA	DTT1
84	ELLIOT	027E51 57	31S10 36	66	834	0.4	V	SPA	DTT2
85	ELLISRAS	027E39 46	23S42 22	25	506	0.24	V	SPA	DTT1
86	ELLISRAS	027E39 46	23S42 22	29	538	0.24	V	SPA	DTT2
87	EMPANGENI	031E53 30	28S44 40	60	786	0.05	V	SPA	DTT1
88	EMPANGENI	031E53 30	28S44 40	56	754	0.05	V	SPA	DTT2
89	ENGCOBO	028E00 34	31S39 20	44	658	10	V	SPA	DTT1
90	ENGCOBO	028E00 34	31S39 20	48	690	10	V	SPA	DTT2
91	ENTSHATSHONGO	028E40 10	32S08 39	23	490	50	V	SPA	DTT1
92	ENTSHATSHONGO	028E40 10	32S08 39	27	522	50	V	SPA	DTT2
93	ENZELSBURG	026E13 16	25S25 07	54	738	2	H	SPA	DTT1
94	ENZELSBURG	026E13 16	25S25 07	58	770	2	H	SPA	DTT2
95	ERMELO	029E59 57	26S30 35	57	762	0.05	V	SPA	DTT1
96	ERMELO	029E59 57	26S30 35	61	794	0.05	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

	TRANSMITTING	GEO. CO-ORDINATES			FREQ				
NO	STATION NAME	LONGITUDE	LATITUDE	CH	MHz	ERP(kW)	POL	STAT	CAT
97	ESHOWE	031E17 37	28S51 29	56	754	10	H	SPA	DTT1
98	ESHOWE	031E17 37	28S51 29	60	786	10	H	SPA	DTT2
99	ESTCOURT	029E51 56	29S00 55	22	482	0.05	V	SPA	DTT1
100	ESTCOURT	029E51 56	29S00 55	47	682	0.05	V	SPA	DTT2
101	FAANS GROVE	022E24 18	27S05 59	40	626	50	H	SPA	DTT1
102	FAANS GROVE	022E24 18	27S05 59	44	658	50	H	SPA	DTT2
103	FICKSBURG TOWN	027E51 27	28S52 36	41	634	0.05	V	SPA	DTT1
104	FICKSBURG TOWN	027E51 27	28S52 36	49	698	0.05	V	SPA	DTT2
105	FISHOEK	018E26 12	34S08 59	38	610	0.1	V	SPA	DTT1
106	FISHOEK	018E26 12	34S08 59	50	706	0.1	V	SPA	DTT2
107	FRANSCHHOEK	019E04 26	33S54 26	63	810	1	V	SPA	DTT1
108	FRANSCHHOEK	019E04 26	33S54 26	67	842	1	V	SPA	DTT2
109	GABA	030E42 25	22S47 02	36	594	4	V	SPA	DTT1
110	GABA	030E42 25	22S47 02	32	562	4	V	SPA	DTT2
111	GANYESA	024E16 00	26S36 12	30	546	30	H	SPA	DTT1
112	GANYESA	024E16 00	26S36 12	34	578	30	H	SPA	DTT2
113	GA-RANKUWA	028E01 25	25S36 12	54	738	12.5	V	SPA	DTT1
114	GA-RANKUWA	028E01 25	25S36 12	58	770	12.5	V	SPA	DTT2
115	GARIES	018E04 43	30S18 52	54	738	50	H	SPA	DTT1
116	GARIES	018E04 43	30S18 52	58	770	50	H	SPA	DTT2
117	GEORGE	022E27 04	33S55 38	64	818	112	H	SPA	DTT1
118	GEORGE	022E27 04	33S55 38	68	850	112	H	SPA	DTT2
119	GLENCOE	029E56 51	28S09 04	48	690	10	H	SPA	DTT1
120	GLENCOE	029E56 51	28S09 04	52	722	10	H	SPA	DTT2
121	GRAAFF-REINET	024E27 04	32S04 44	32	562	20	H	SPA	DTT1
122	GRAAFF-REINET	024E27 04	32S04 44	36	594	20	H	SPA	DTT2
123	GRABOUW	018E58 03	34S06 05	38	610	0.5	V	SPA	DTT1
124	GRABOUW	018E58 03	34S06 05	50	706	0.5	V	SPA	DTT2
125	GRAHAMSTOWN	026E42 31	33S17 15	50	706	20	H	SPA	DTT1
126	GRAHAMSTOWN	026E42 31	33S17 15	46	674	20	H	SPA	DTT2
127	GREYTOWN	030E32 10	29S00 46	58	770	10	H	SPA	DTT1
128	GREYTOWN	030E32 10	29S00 46	62	802	10	H	SPA	DTT2
129	GREYTOWN DORP	030E36 48	29S02 05	58	770	1	V	SPA	DTT1
130	GREYTOWN DORP	030E36 48	29S02 05	62	802	1	V	SPA	DTT2
131	GROOT BRAKRIVIER	022E13 00	34S02 31	31	554	0.025	V	SPA	DTT1
132	GROOT BRAKRIVIER	022E13 00	34S02 31	39	618	0.025	V	SPA	DTT2
133	GROOT MARICO	026E26 08	25S37 11	47	682	0.2	V	SPA	DTT1
134	GROOT MARICO	026E26 08	25S37 11	51	714	0.2	V	SPA	DTT2
135	GROOTDERM	017E05 00	28S26 00	27	522	1	H	SPA	DTT1
136	GROOTDERM	017E05 00	28S26 00	29	538	1	H	SPA	DTT2
137	HAENERTSBURG	029E56 48	23S59 54	23	490	20	H	SPA	DTT1
138	HAENERTSBURG	029E56 48	23S59 54	27	522	20	H	SPA	DTT2
139	HAMAKUYA	030E48 21	22S41 49	36	594	0.2	V	SPA	DTT1
140	HAMAKUYA	030E48 21	22S41 49	32	562	0.2	V	SPA	DTT2
141	HANKEY	024E52 13	33S49 52	36	594	0.04	V	SPA	DTT1
142	HANKEY	024E52 13	33S49 52	51	714	0.04	V	SPA	DTT2
143	HARRISMITH	029E06 25	28S15 18	40	626	50	V	SPA	DTT1
144	HARRISMITH	029E06 25	28S15 18	44	658	50	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

	TRANSMITTING	GEO. CO-ORDINATES			FREQ				
NO	STATION NAME	LONGITUDE	LATITUDE	CH	MHz	ERP(kW)	POL	STAT	CAT
145	HECTORSPRUIT	031E36 20	25S28 47	30	546	0.631	V	SPA	DTT1
146	HECTORSPRUIT	031E36 20	25S28 47	34	578	0.631	V	SPA	DTT2
147	HEIDELBERG	028E20 53	26S29 19	42	642	0.1		SPA	DTT1
148	HEIDELBERG	028E20 53	26S29 19	50	706	0.1		SPA	DTT2
149	HELDERKRUIN	027E51 32	26S06 05	54	738	1		SPA	DTT1
150	HELDERKRUIN	027E51 32	26S06 05	58	770	1	V	SPA	DTT2
151	HERMANUS	019E13 18	34S24 47	26	514	0.6	V	SPA	DTT1
152	HERMANUS	019E13 18	34S24 47	30	546	0.6	V	SPA	DTT2
153	HEXRIVIER	019E39 23	33S30 54	37	562	0.1	V	SPA	DTT2
154	HEXRIVIER	019E39 23	33S30 54	41	634	0.1	V	SPA	DTT1
155	HOEDSPRUIT	030E52 08	24S32 30	21	474	5	H	SPA	DTT1
156	HOEDSPRUIT	030E52 08	24S32 30	25	506	5	H	SPA	DTT2
157	HOLY CROSS	029E38 25	31S07 56	62	802	30	V	SPA	DTT1
158	HOLY CROSS	029E38 25	31S07 56	64	818	30	V	SPA	DTT2
159	HOUMOED	019E53 00	29S12 00	35	586	50	H	SPA	DTT2
160	HOUT BAY	018E20 56	34S00 44	38	610	4	V	SPA	DTT1
161	HOWICK	030E13 52	29S30 13	46	674	0.008	V	SPA	DTT1
162	HOWICK	030E13 52	29S30 13	50	706	0.008	V	SPA	DTT2
163	ITSOSENG	025E55 18	26S04 30	59	778	33	V	SPA	DTT1
164	ITSOSENG	025E55 18	26S04 30	63	810	33	V	SPA	DTT2
165	JOHANNESBURG	028E00 26	26S11 31	54	738	120	H	SPA	DTT1
166	JOHANNESBURG	028E00 26	26S11 31	58	770	120	H	SPA	DTT2
167	KALAHARI	021E40 00	27S21 00	28	530	20	H	SPA	DTT1
168	KALAHARI	021E40 00	27S21 00	36	594	20	H	SPA	DTT2
169	KAREEDOUW	024E25 48	34S01 29	40	626	5	H	SPA	DTT1
170	KAREEDOUW	024E25 48	34S01 29	48	690	5	H	SPA	DTT2
171	KIESEL	027E08 00	23S52 00	53	730	10	H	SPA	DTT1
172	KIESEL	027E08 00	23S52 00	57	762	10	H	SPA	DTT2
173	KIMBERLEY	024E54 19	28S51 14	28	530	10	H	SPA	DTT1
174	KIMBERLEY	024E54 19	28S51 14	36	594	10	H	SPA	DTT2
175	KING WILLIAMS TOWN	027E15 36	32S40 44	49	698	18	H	SPA	DTT1
176	KING WILLIAMS TOWN	027E15 36	32S40 44	45	666	18	H	SPA	DTT2
177	KIRKWOOD	025E26 53	33S23 22	26	514	0.02	V	SPA	DTT1
178	KIRKWOOD	025E26 53	33S23 22	34	578	0.02	V	SPA	DTT2
179	KLEINMOND	019E08 28	34S23 15	30	546	0.8	V	SPA	DTT1
180	KLEINMOND	019E08 28	34S23 15	26	514	0.6	V	SPA	DTT2
181	KLERKSDORP	026E24 29	26S45 14	56	754	10	H	SPA	DTT1
182	KLERKSDORP	026E24 29	26S45 14	60	786	10	H	SPA	DTT2
183	KLIPVOORDAM	027E45 42	25S09 18	36	594	0.01	V	SPA	DTT1
184	KLIPVOORDAM	027E45 42	25S09 18	32	562	0.01	V	SPA	DTT2
185	KNYSNA	023E02 35	34S04 18	24	498	0.5	V	SPA	DTT1
186	KNYSNA	023E02 35	34S04 18	28	530	0.5	V	SPA	DTT2
187	KOKSTAD	029E29 24	30S36 42	26	514	0.4	V	SPA	DTT1
188	KOKSTAD	029E29 24	30S36 42	30	546	0.4	V	SPA	DTT2
189	KROONSTAD	027E11 10	27S25 16	25	506	20	H	SPA	DTT1
190	KROONSTAD	027E11 10	27S25 16	29	538	20	H	SPA	DTT2
191	KURUMAN	023E18 49	27S21 05	23	490	5	H	SPA	DTT1
192	KURUMAN	023E18 49	27S21 05	27	522	5	H	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
193	KURUMAN HILLS	023E33 38	27S53 13	23	490	20	H	SPA	DTT1
194	KURUMAN HILLS	023E33 38	27S53 13	27	522	20	H	SPA	DTT2
195	KUTAMA	029E37 31	23S02 19	26	514	0.1	V	SPA	DTT1
196	KUTAMA	029E37 31	23S02 19	30	546	0.1	V	SPA	DTT2
197	LADISMITH (CAPE)	021E25 20	33S37 54	30	546	10	H	SPA	DTT1
198	LADISMITH (CAPE)	021E25 20	33S37 54	34	578	10	H	SPA	DTT2
199	LADYBRAND	027E22 42	29S10 18	32	562	1	H	SPA	DTT1
200	LADYBRAND	027E22 42	29S10 18	36	594	1	H	SPA	DTT2
201	LADYSMITH	029E47 19	28S35 23	38	610	1	V	SPA	DTT1
202	LADYSMITH	029E47 19	28S35 23	46	674	1	V	SPA	DTT2
203	LINMEYER	028E04 16	26S16 08	54	738	0.1	V	SPA	DTT1
204	LINMEYER	028E04 16	26S16 08	58	770	0.1	V	SPA	DTT2
205	LOMBAARDSVLAKTE	022E15 00	28S20 15	55	746	10	H	SPA	DTT1
206	LOMBAARDSVLAKTE	022E15 00	28S20 15	59	778	10	H	SPA	DTT2
207	LOSKOP	029E12 42	28S39 41	47	682	1.413	V	SPA	DTT1
208	LOSKOP	029E12 42	28S39 41	36	594	1	V	SPA	DTT2
209	LOUIS TRICHARDT	029E45 26	23S00 02	26	514	100	V	SPA	DTT1
210	LOUIS TRICHARDT	029E45 26	23S00 02	30	546	100	V	SPA	DTT2
211	LOUWSBURG	031E16 32	27S33 44	46	674	14.12	V	SPA	DTT1
212	LOUWSBURG	031E16 32	27S33 44	50	706	14.12	V	SPA	DTT2
213	LYDENBURG	030E26 04	25S06 19	26	514	0.04	V	SPA	DTT1
214	LYDENBURG	030E26 04	25S06 19	30	546	0.04	V	SPA	DTT2
215	MABOPANE	028E03 48	25S30 57	54	738	1	V	SPA	DTT1
216	MABOPANE	028E03 48	25S30 57	58	770	1	V	SPA	DTT2
217	MADIBOGO	025E15 14	26S27 28	59	778	4	H	SPA	DTT1
218	MADIBOGO	025E15 14	26S27 28	63	810	4	H	SPA	DTT2
219	MAKADIMA	025E49 23	25S26 47	54	738	12	H	SPA	DTT1
220	MAKADIMA	025E49 23	25S26 47	58	770	12	H	SPA	DTT2
221	MALAMBA	030E15 09	22S53 56	36	594	0.08	V	SPA	DTT1
222	MALAMBA	030E15 09	22S53 56	32	562	0.08	V	SPA	DTT2
223	MATATIELE	028E49 19	30S23 45	46	674	10	H	SPA	DTT1
224	MATATIELE	028E49 19	30S23 45	50	706	10	H	SPA	DTT2
225	MATJIESFONTEIN	020E30 20	33S16 52	47	682	10	H	SPA	DTT1
226	MATJIESFONTEIN	020E30 20	33S16 52	51	714	10	H	SPA	DTT2
227	MBUZINI	031E54 53	25S52 26	62	802	2	V	SPA	DTT1
228	MBUZINI	031E54 53	25S52 26	66	834	2	V	SPA	DTT2
229	MENLO PARK	028E16 09	25S46 15	54	738	0.04	V	SPA	DTT1
230	MENLO PARK	028E16 09	25S46 15	58	770	0.04	V	SPA	DTT2
231	MIDDELBURG	029E23 24	25S49 04	60	786	50	H	SPA	DTT1
232	MIDDELBURG	029E23 24	25S49 04	56	754	50	H	SPA	DTT2
233	MIER	020E18 15	26S41 30	53	730	50	H	SPA	DTT1
234	MIER	020E18 15	26S41 30	57	762	50	H	SPA	DTT2
235	MMABATHO	025E36 46	25S50 22	24	498	20	V	SPA	DTT1
236	MMABATHO	025E36 46	25S50 22	36	594	20	V	SPA	DTT2
237	MOGWASE	027E16 00	25S10 26	62	802	33	V	SPA	DTT1
238	MOGWASE	027E16 00	25S10 26	66	834	33	V	SPA	DTT2
239	MOLEMA	030E02 40	23S18 38	58	770	0.2	V	SPA	DTT1
240	MOLEMA	030E02 40	23S18 38	62	802	0.2	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
241	MONDEOR	027E59 52	26S16 52	54	738	0.02	V	SPA	DTT1
242	MONDEOR	027E59 52	26S16 52	58	770	0.02	V	SPA	DTT2
243	MONTAGU	020E08 37	33S47 16	26	514	0.05	V	SPA	DTT1
244	MONTAGU	020E08 37	33S47 16	30	546	0.05	V	SPA	DTT2
245	MOOI RIVER	029E52 04	29S11 07	47	682	10	H	SPA	DTT1
246	MOOI RIVER	029E52 04	29S11 07	67	842	10	H	SPA	DTT2
247	MORETELETSI	026E42 12	25S17 48	26	514	35	V	SPA	DTT1
248	MORETELETSI	026E42 12	25S17 48	34	578	35	V	SPA	DTT2
249	MOTSWEDI	025E52 18	25S16 55	54	738	7	V	SPA	DTT1
250	MOTSWEDI	025E52 18	25S16 55	58	770	7	V	SPA	DTT2
251	MOUNT AYLIFF	029E23 41	30S50 11	62	802	10	H	SPA	DTT1
252	MOUNT AYLIFF	029E23 41	30S50 11	64	818	10	H	SPA	DTT2
253	MOUNT FLETCHER	028E30 41	30S50 11	47	682	1	H	SPA	DTT1
254	MOUNT FLETCHER	028E30 41	30S50 11	26	514	1	H	SPA	DTT2
255	MULBARTON	028E03 56	26S17 36	54	738	0.03	V	SPA	DTT1
256	MULBARTON	028E03 56	26S17 36	58	770	0.03	V	SPA	DTT2
257	NAPIER	019E53 33	34S31 45	42	642	1	H	SPA	DTT1
258	NAPIER	019E53 33	34S31 45	46	674	1	H	SPA	DTT2
259	NELSPRUIT	030E46 35	25S30 55	54	738	10	H	SPA	DTT1
260	NELSPRUIT	030E46 35	25S30 55	58	770	10	H	SPA	DTT2
261	NEWCASTLE	029E57 12	27S43 07	37	602	1	V	SPA	DTT1
262	NEWCASTLE	029E57 12	27S43 07	41	634	1	V	SPA	DTT2
263	NGANGELIZWE	028E48 31	31S37 15	41	634	0.2	H	SPA	DTT1
264	NGANGELIZWE	028E48 31	31S37 15	34	578	0.2	H	SPA	DTT2
265	NOENIEPUT	020E18 30	27S35 00	30	546	10	H	SPA	DTT1
266	NOENIEPUT	020E18 30	27S35 00	34	578	10	H	SPA	DTT2
267	NONGOMA	031E39 27	27S54 18	33	570	10	H	SPA	DTT1
268	NONGOMA	031E39 27	27S54 18	31	554	10	H	SPA	DTT2
269	NOUPOORT	024E56 01	31S18 14	33	570	1	H	SPA	DTT1
270	NOUPOORT	024E56 01	31S18 14	37	602	1	H	SPA	DTT2
271	NQELENI	029E0734	31S4557	41	634	10	V	SPA	DTT1
272	NQELENI	029E0734	31S4557	34	578	10	V	SPA	DTT2
273	NQUTU	030E40 42	28S15 43	63	810	15.1	V	SPA	DTT1
274	NQUTU	030E40 42	28S15 43	40	626	15.1	V	SPA	DTT2
275	NYLSTROOM	028E25 59	24S47 58	22	482	1	V	SPA	DTT1
276	NYLSTROOM	028E25 59	24S47 58	26	514	1	V	SPA	DTT2
277	OUDTSHOORN	022E16 02	33S40 16	40	626	100	H	SPA	DTT1
278	OUDTSHOORN	022E16 02	33S40 16	48	690	100	H	SPA	DTT2
279	OVERPORT	030E59 54	29S50 02	46	674	1.3	V	SPA	DTT1
280	OVERPORT	030E59 54	29S50 02	50	706	1.3	V	SPA	DTT2
281	PAARL	018E56 24	33S42 53	38	610	2.5	V	SPA	DTT1
282	PAARL	018E56 24	33S42 53	50	706	2.5	V	SPA	DTT2
283	PANKOP	028E24 16	25S09 44	64	818	20	H	SPA	DTT1
284	PANKOP	028E24 16	25S09 44	68	850	20	H	SPA	DTT2
285	PATENSIE	024E49 43	33S45 37	36	594	0.01	V	SPA	DTT1
286	PATENSIE	024E49 43	33S45 37	51	714	0.01	V	SPA	DTT2
287	PAUL SAUER DAM	024E33 43	33S45 13	36	594	0.02	V	SPA	DTT1
288	PAUL SAUER DAM	024E33 43	33S45 13	51	714	0.02	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
289	PETRUS STEYN	028E19 06	27S31 00	36	594	10	H	SPA	DTT1
290	PETRUS STEYN	028E19 06	27S31 00	34	578	10	H	SPA	DTT2
291	PHALABORWA	031E08 24	23S57 02	26	514	0.2	V	SPA	DTT1
292	PHALABORWA	031E08 24	23S57 02	30	546	0.2	V	SPA	DTT2
293	PIET PLESSIS	024E49 55	26S14 56	46	674	10	H	SPA	DTT1
294	PIET PLESSIS	024E49 55	26S14 56	23	490	10	H	SPA	DTT2
295	PIET RETIEF	030E41 03	27S01 11	56	754	10	H	SPA	DTT1
296	PIET RETIEF	030E41 03	27S01 11	60	786	10	H	SPA	DTT2
297	PIETERMARITZBURG	030E19 49	29S34 47	46	674	1	V	SPA	DTT1
298	PIETERMARITZBURG	030E19 49	29S34 47	50	706	1	V	SPA	DTT2
299	PIKETBERG	018E44 19	32S49 09	29	538	120	H	SPA	DTT1
300	PIKETBERG	018E44 19	32S49 09	31	554	120	H	SPA	DTT2
301	PILANESBERG	027E05 35	25S21 07	57	762	16	V	SPA	DTT1
302	PILANESBERG	027E05 35	25S21 07	65	826	16	V	SPA	DTT2
303	PLETTENBERG BAY	023E22 30	34S03 32	47	682	0.125	V	SPA	DTT1
304	PLETTENBERG BAY	023E22 30	34S03 32	51	714	0.125	V	SPA	DTT2
305	POFADDER	018E56 25	29S14 30	55	746	10	H	SPA	DTT1
306	POFADDER	018E56 25	29S14 30	59	778	10	H	SPA	DTT2
307	POMFRET	023E34 44	25S49 52	40	626	1	V	SPA	DTT1
308	POMFRET	023E34 44	25S49 52	44	658	1	V	SPA	DTT2
309	PONGOLA	031E39 00	27S31 34	39	618	0.2	V	SPA	DTT1
310	PONGOLA	031E39 00	27S31 34	43	650	0.2	V	SPA	DTT2
311	PORT ELIZABETH	025E26 29	33S56 10	45	666	112	H	SPA	DTT1
312	PORT ELIZABETH	025E26 29	33S56 10	49	698	112	H	SPA	DTT2
313	PORT ELIZABETH CIT	025E35 31	33S55 28	45	666	2	V	SPA	DTT1
314	PORT ELIZABETH CIT	025E35 31	33S55 28	49	698	2	V	SPA	DTT2
315	PORT SHEPSTONE	030E17 17	30S44 07	40	626	10	H	SPA	DTT1
316	PORT SHEPSTONE	030E17 17	30S44 07	44	658	10	H	SPA	DTT2
317	PORTST JOHNS	029E31 39	31S36 39	41	634	10	H	SPA	DTT1
318	PORTST JOHNS	029E31 39	31S36 39	34	578	10	H	SPA	DTT2
319	POTCHEFSTROOM	027E04 32	26S41 46	56	754	0.1	V	SPA	DTT1
320	POTCHEFSTROOM	027E04 32	26S41 46	60	786	0.1	V	SPA	DTT2
321	POTGIETERSRUS	029E14 10	24S09 24	48	690	10	H	SPA	DTT1
322	POTGIETERSRUS	029E14 10	24S09 24	52	722	10	H	SPA	DTT2
323	PRETORIA	027E59 03	25S4120	54	738	100		SPA	DTT1
324	PRETORIA	027E59 03	25S4120	58	770	100	V	SPA	DTT2
325	PRETORIA NORTH	028E10 07	25S41 25	54	738	0.02	V	SPA	DTT1
326	PRETORIA NORTH	028E10 07	25S41 25	58	770	0.02	V	SPA	DTT2
327	PRIESKA	022E36 57	29S40 52	22	482	50	H	SPA	DTT1
328	PRIESKA	022E36 57	29S40 52	30	546	50	H	SPA	DTT2
329	PUNDA MARIA	030E59 19	22S43 28	32	562	10	H	SPA	DTT1
330	PUNDA MARIA	030E59 19	22S43 28	36	594	10	H	SPA	DTT2
331	QUDENI	030E51 59	28S38 03	60	786	15.1	V	SPA	DTT1
332	QUDENI	030E51 59	28S38 03	56	754	15.1	V	SPA	DTT2
333	QUEENSTOWN	026E47 05	31S43 56	26	514	50	H	SPA	DTT1
334	QUEENSTOWN	026E47 05	31S43 56	30	546	50	H	SPA	DTT2
335	QUEENSTOWN (DORP	026E47 05	31S43 56	26	514	0.1	H	SPA	DTT1
336	QUEENSTOWN (DORP	026E47 05	31S43 56	30	546	0.1	H	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

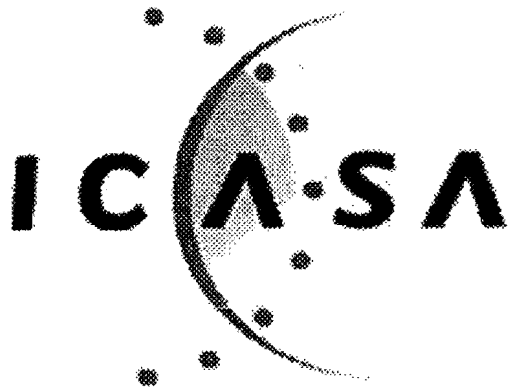
	TRANSMITTING	GEO. CO-ORDINATES			FREQ				
NO	STATION NAME	LONGITUDE	LATITUDE	CH	MHz	ERP(kW)	POL	STAT	CAT
337	RICHARDS BAY	032E06 24	28S47 10	60	786	0.19	V	SPA	DTT1
338	RICHARDS BAY	032E06 24	28S47 10	56	754	0.19	V	SPA	DTT2
339	RIVERSDALE	021E07 41	34S01 07	32	562	20	H	SPA	DTT1
340	RIVERSDALE	021E07 41	34S01 07	36	594	20	H	SPA	DTT2
341	RUSTENBURG	027E07 06	25S36 56	45	666	5	H	SPA	DTT1
342	RUSTENBURG	027E07 06	25S36 56	53	730	5	H	SPA	DTT2
343	RUSTENBURG (CASH	027E07 06	25S36 56	45	666	0.1	H	SPA	DTT1
344	RUSTENBURG (CASH	027E07 06	25S36 56	53	730	0.1	H	SPA	DTT2
345	SABIE	030E45 34	25S07 44	23	490	0.1	V	SPA	DTT1
346	SABIE	030E45 34	25S07 44	27	522	0.1	V	SPA	DTT2
347	SASOLBURG	027E49 35	26S47 45	37	602	0.05	V	SPA	DTT1
348	SASOLBURG	027E49 35	26S47 45	45	666	0.05	V	SPA	DTT2
349	SCHWEIZER RENEKE	025E13 07	27S08 13	21	474	100	H	SPA	DTT1
350	SCHWEIZER RENEKE	025E13 07	27S08 13	40	626	10	H	SPA	DTT2
351	SEA POINT	018E23 51	33S54 33	38	610	0.4	V	SPA	DTT1
352	SEA POINT	018E23 51	33S54 33	50	706	0.4	V	SPA	DTT2
353	SECUNDA	029E12 10	26S29 40	44	658	0.1	V	SPA	DTT1
354	SECUNDA	029E12 10	26S29 40	40	626	0.1	V	SPA	DTT2
355	SENEKAL	027E30 26	28S15 19	50	706	10	H	SPA	DTT1
356	SENEKAL	027E30 26	28S15 19	62	738	1	H	SPA	DTT2
357	SEVERN	023E04 00	26S24 00	48	690	10	H	SPA	DTT1
358	SEVERN	023E04 00	26S24 00	52	722	10	H	SPA	DTT2
359	SHANZHA	030E14 00	22S57 36	36	594	2	V	SPA	DTT1
360	SHANZHA	030E14 00	22S57 36	32	562	2	V	SPA	DTT2
361	SIBASA	030E26 54	22S56 57	36	594	8	V	SPA	DTT1
362	SIBASA	030E26 54	22S56 57	32	562	8	V	SPA	DTT2
363	SIMONSTOWN	018E25 37	34S11 54	38	610	0.25	V	SPA	DTT1
364	SIMONSTOWN	018E25 37	34S11 54	50	706	0.25	V	SPA	DTT2
365	SMITHFIELD	026E21 56	29S55 43	29	538	50	H	SPA	DTT1
366	SMITHFIELD	026E21 56	29S55 43	59	778	50	H	SPA	DTT2
367	SOMERSET EAST	025E34 41	32S42 45	61	794	0.05	V	SPA	DTT1
368	SOMERSET EAST	025E34 41	32S42 45	65	826	0.05	V	SPA	DTT2
369	SPRINGBOK	017E48 29	29S35 04	21	474	10	H	SPA	DTT1
370	SPRINGBOK	017E48 29	29S35 04	25	506	10	H	SPA	DTT2
371	SPRINGFONTEIN	025E46 08	30S16 14	42	642	10	H	SPA	DTT1
372	SPRINGFONTEIN	025E46 08	30S16 14	46	674	10	H	SPA	DTT2
373	STANDERTON	029E12 51	26S57 37	42	642	0.1	V	SPA	DTT1
374	STANDERTON	029E12 51	26S57 37	46	674	0.1	V	SPA	DTT2
375	STEINKOPF	017E35 00	29S05 00	38	610	10	H	SPA	DTT1
376	STEINKOPF	017E35 00	29S05 00	42	642	10	H	SPA	DTT2
377	STELLENBOSCH	018E52 11	33S54 56	38	610	0.5	V	SPA	DTT1
378	STELLENBOSCH	018E52 11	33S54 56	50	706	0.5	V	SPA	DTT2
379	STERKSPRUIT	027E16 14	30S41 44	45	666	20	V	SPA	DTT1
380	STERKSPRUIT	027E16 14	30S41 44	49	698	20	V	SPA	DTT2
381	STRAALHOEK	029E50 53	30S20 49	51	714	10	V	SPA	DTT1
382	STRAALHOEK	029E50 53	30S20 49	54	738	10	V	SPA	DTT2
383	SUIDRAND (KROONST	027E14 16	27S41 18	25	506	0.25	V	SPA	DTT1
384	SUIDRAND (KROONST	027E14 16	27S41 18	29	538	0.25	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
385	SUNNYSIDE	028E12 24	25S45 53	54	738	1	V	SPA	DTT1
386	SUNNYSIDE	028E12 24	25S45 53	58	770	1	V	SPA	DTT2
387	SUPINGSTAD	026E01 36	24S47 20	64	818	2	V	SPA	DTT1
388	SUPINGSTAD	026E01 36	24S47 20	68	850	2	V	SPA	DTT2
389	SUURBERG	025E34 29	33S14 55	38	610	5	H	SPA	DTT1
390	SUURBERG	025E34 29	33S14 55	42	642	5	H	SPA	DTT2
391	SWARTRUGGENS	026E48 09	25S40 59	47	682	0.5	V	SPA	DTT1
392	SWARTRUGGENS	026E48 09	25S40 59	51	714	0.5	V	SPA	DTT2
393	TABLE MOUNTAIN	018E24 13	33S57 25	38	610	0.2	V	SPA	DTT1
394	TABLE MOUNTAIN	018E24 13	33S57 25	50	706	0.5	V	SPA	DTT2
395	TAUNG	024E37 00	27S31 30	39	618	18	H	SPA	DTT1
396	TAUNG	024E37 00	27S31 30	51	714	174	H	SPA	DTT2
397	THABA NCHU	026E45 45	29S15 24	63	810	20	H	SPA	DTT1
398	THABA NCHU	026E45 45	29S15 24	67	842	20	H	SPA	DTT2
399	THABAZIMBI	027E36 51	24S27 59	46	674	10	H	SPA	DTT1
400	THABAZIMBI	027E36 51	24S27 59	50	706	10	H	SPA	DTT2
401	THE BLUFF	031E00 45	29S54 40	46	674	2.5	V	SPA	DTT1
402	THE BLUFF	031E00 45	29S54 40	50	706	2.5	V	SPA	DTT2
403	THEUNISSEN	026E34 50	28S11 55	30	546	10	H	SPA	DTT1
404	THEUNISSEN	026E34 50	28S11 55	34	578	10	H	SPA	DTT2
405	THLABANE	027E11 39	25S37 16	45	666	0.2	V	SPA	DTT1
406	THLABANE	027E11 39	25S37 16	53	730	1.3	V	SPA	DTT2
407	TOLWE	028E27 29	23S04 59	47	682	16	V	SPA	DTT1
408	TOLWE	028E27 29	23S04 59	51	714	16	V	SPA	DTT2
409	TOUWSRIVIER	020E01 12	33S20 59	32	562	0.02	V	SPA	DTT1
410	TOUWSRIVIER	020E01 12	33S20 59	36	594	0.02	V	SPA	DTT2
411	TSHAMAVUDZI	030E31 42	22S39 15	36	594	0.25	V	SPA	DTT1
412	TSHAMAVUDZI	030E31 42	22S39 15	32	562	0.25	V	SPA	DTT2
413	TYGERBERG	018E35 46	33S52 29	38	610	2	V	SPA	DTT1
414	TYGERBERG	018E35 46	33S52 29	50	706	2	V	SPA	DTT2
415	TZANEEN	030E00 17	23S47 06	58	770	20	H	SPA	DTT1
416	TZANEEN	030E00 17	23S47 06	62	802	20	H	SPA	DTT2
417	UBOMBO	032E04 52	27S33 42	53	730	10	H	SPA	DTT1
418	UBOMBO	032E04 52	27S33 42	57	762	10	H	SPA	DTT2
419	UGIE	027E58 26	31S11 28	39	618	0.5	V	SPA	DTT1
420	UGIE	027E58 26	31S11 28	43	650	0.5	V	SPA	DTT2
421	ULUNDI	031E23 38	28S27 00	60	786	10	V	SPA	DTT1
422	ULUNDI	031E23 38	28S27 00	56	754	10	V	SPA	DTT2
423	UMTATA	028E44 36	31S35 48	41	634	10	H	SPA	DTT1
424	UMTATA	028E44 36	31S35 48	34	578	10	H	SPA	DTT2
425	UNIONDALE	023E03 06	33S43 23	55	746	2.5	V	SPA	DTT1
426	UNIONDALE	023E03 06	33S43 23	36	594	1	V	SPA	DTT2
427	UNIONDALE (TOWN)	023E03 06	33S43 23	36	594	1	V	SPA	DTT1
428	UNIONDALE (TOWN)	023E03 06	33S43 23	55	746	1	V	SPA	DTT2
429	UPINGTON	021E44 12	28S52 56	33	570	50	H	SPA	DTT1
430	UPINGTON	021E44 12	28S52 56	29	538	50	H	SPA	DTT2
431	UPINGTON TOWN	021E12 00	28S30 25	29	538	0.4	V	SPA	DTT1
432	UPINGTON TOWN	021E12 00	28S30 25	33	570	0.38	V	SPA	DTT2

ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
433	VAN RHYNSDORP	018E41 24	31S45 16	48	690	50	H	SPA	DTT1
434	VAN RHYNSDORP	018E41 24	31S45 16	52	722	50	H	SPA	DTT2
435	VERULAM	031E02 19	29S38 25	46	674	0.01	V	SPA	DTT1
436	VERULAM	031E02 19	29S38 25	50	706	0.01	V	SPA	DTT2
437	VICTORIA WEST	023E13 50	31S41 15	43	650	10	H	SPA	DTT1
438	VICTORIA WEST	023E13 50	31S41 15	47	682	10	H	SPA	DTT2
439	VILLA NORA	028E21 00	23S42 00	24	498	10	H	SPA	DTT1
440	VILLA NORA	028E21 00	23S42 00	28	530	10	H	SPA	DTT2
441	VILLIERSDORP	019E30 25	33S58 09	53	730	10	H	SPA	DTT1
442	VILLIERSDORP	019E30 25	33S58 09	65	826	10	H	SPA	DTT2
443	VOLKSRUST	029E53 15	27S18 33	58	770	10	H	SPA	DTT1
444	VOLKSRUST	029E53 15	27S18 33	62	802	10	H	SPA	DTT2
445	VRYHEID	030E47 38	27S44 27	26	514	10	H	SPA	DTT1
446	VRYHEID	030E47 38	27S44 27	30	546	10	H	SPA	DTT2
447	VRYHEID TOWN	030E46 23	27S46 44	26	514	0.04	H	SPA	DTT1
448	VRYHEID TOWN	030E46 23	27S46 44	30	546	0.04	H	SPA	DTT2
449	WELVERDIEND	027E14 55	26S26 47	23	490	10	H	SPA	DTT1
450	WELVERDIEND	027E14 55	26S26 47	31	554	10	H	SPA	DTT2
451	WILLISTON	020E55 08	31S19 31	38	610	10	H	SPA	DTT1
452	WILLISTON	020E55 08	31S19 31	46	674	10	H	SPA	DTT2
453	WILLOWMORE	023E27 36	33S14 05	39	618	1	H	SPA	DTT1
454	WILLOWMORE	023E27 36	33S14 05	51	714	1	H	SPA	DTT2
455	WINDYBRIDGE	027E14 05	32S45 10	45	666	20	H	SPA	DTT1
456	WINDYBRIDGE	027E14 05	32S45 10	49	698	20	H	SPA	DTT2
457	WITSIESHOEK	028E50 52	28S31 02	34	562	0.25	V	SPA	DTT1
458	WITSIESHOEK	028E50 52	28S31 02	36	594	0.25	V	SPA	DTT2
459	ZEERUST	026E02 51	25S51 37	39	618	20	H	SPA	DTT1
460	ZEERUST	026E02 51	25S51 37	36	594	20	H	SPA	DTT2



ANNEXURE G

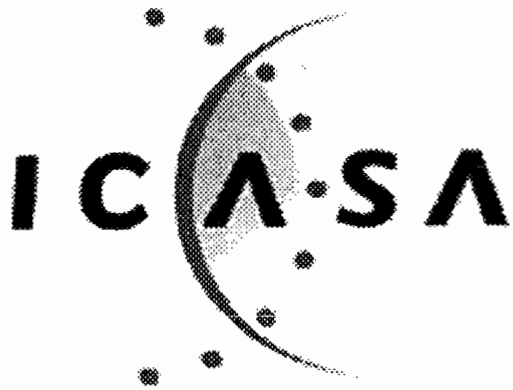
MOBILE DTT FREQUENCY NETWORKS

ANNEXURE G: Mobile DTT FREQUENCY NETWORKS 2009

	TRANSMITTING	GEO. CO-ORDINATES		FREQUENCY		ANTENNA		ADMIN RECORDS	
NO	STATION NAME	LONGITUDE	LATITUDE	CH	MHz	ERP(kW)	POL	STAT	MUX
1	AMANDA GLEN	018E40 33	33S51 18	28	530	0.2512	V		MDTT1
2	AMANDA GLEN	018E40 33	33S51 18	32	562	0.2512	V		MDTT2
3	AURORA	018E38 29	33S49 39	28	530	0.2512	V		MDTT1
4	AURORA	018E38 29	33S49 39	32	562	0.2512	V		MDTT2
5	BEZ VALLEY	028E05 04	26S11 41	35	586	0.2512	V		MDTT1
6	BEZ VALLEY	028E05 04	26S11 41	33	570	0.2512	V		MDTT2
7	BLOEMFONTEIN	026E13 50	29S06 13	33	570	50	H		MDTT1
8	BLOEMFONTEIN	026E13 50	29S06 13	47	682	50	H		MDTT2
9	CAPE TOWN	018E23 15	34S03 15	32	562	6.7999	H		MDTT2
10	CAPE TOWN	018E23 15	34S03 15	28	530	6.7999	H		MDTT1
11	DURBAN	030E43 00	29S46 11	33	570	199.526	H		MDTT1
12	DURBAN	030E43 00	29S46 11	25	506	12.2999	H		MDTT2
13	DURBAN NORTH	031E02 24	29S45 52	33	570	1	V		MDTT1
14	DURBAN NORTH	031E02 24	29S45 52	25	506	1	V		MDTT2
15	EAST LONDON	027E48 58	32S56 20	32	562	10	H		MDTT2
16	EAST LONDON	027E48 58	32S56 20	36	594	10	H		MDTT1
17	FISHHOEK	018E26 12	34S08 59	28	530	0.2512	V		MDTT1
18	FISHHOEK	018E26 12	34S08 59	32	562	0.2512	V		MDTT2
19	GEORGE	022E27 04	33S55 38	37	602	112	H		MDTT1
20	GEORGE	022E27 04	33S55 38	41	634	112	H		MDTT2
21	GRABOUW	018E58 03	34S06 05	28	530	0.5	V		MDTT1
22	GRABOUW	018E58 03	34S06 05	32	562	0.5	V		MDTT2
23	HELDERKRUIN	027E51 32	26S06 05	35	586	0.8	V		MDTT1
24	HELDERKRUIN	027E51 32	26S06 05	33	570	0.8	V		MDTT2
25	HOUT BAY	018E20 56	34S00 44	28	530	4.0004	V		MDTT1
26	HOUT BAY	018E20 56	34S00 44	32	562	4.0004	V		MDTT2
27	JOHANNESBURG	028E00 26	26S11 31	35	586	120.005	H		MDTT1
28	JOHANNESBURG	028E00 26	26S11 31	33	570	120.005	H		MDTT2
29	KIMBERLEY	024E54 19	28S51 14	38	610	50	H		MDTT1
30	KIMBERLEY	024E54 19	28S51 14	45	666	50	H		MDTT2
31	KLERKSDORP	026E24 29	26S45 14	24	498	5	H		MDTT1
32	KLERKSDORP	026E24 29	26S45 14	28	530	5	H		MDTT2
33	MENLO PARK	028E16 09	25S46 15	35	586	0.2512	V		MDTT1
34	MENLO PARK	028E16 09	25S46 15	33	570	0.2512	V		MDTT2
35	MIDDELBURG	029E23 24	25S49 04	27	522	10	H		MDTT2
36	MIDDELBURG	029E23 24	25S49 04	31	554	10	H		MDTT1
37	MONDEOR	027E59 34	26S16 52	35	586	0.2512	V		MDTT1
38	MONDEOR	027E59 34	26S16 52	33	570	0.2512	V		MDTT2
39	MULBARTON	028E03 56	26S17 36	35	586	0.2512	V		MDTT1
40	MULBARTON	028E03 56	26S17 36	33	570	0.2512	V		MDTT2
41	NELSPRUIT	030E46 35	25S30 55	45	666	50	H		MDTT1
42	NELSPRUIT	030E46 35	25S30 55	48	690	50	H		MDTT2
43	OVERPORT	030E59 54	29S50 02	33	570	1.2999	V		MDTT1
44	OVERPORT	030E59 54	29S50 02	25	506	1.2999	V		MDTT2
45	PAARL	018E56 24	33S42 53	28	530	2.4998	V		MDTT1
46	PAARL	018E56 24	33S42 53	32	562	2.4998	V		MDTT2
47	PIETERMARITZBURG	030E19 49	29S34 47	33	570	1	V		MDTT1
48	PIETERMARITZBURG	030E19 49	29S34 47	25	506	1	V		MDTT2

ANNEXURE G: Mobile DTT FREQUENCY NETWORKS 2009

49	Pietersburg	029E27 54	23S53 10.	34	578	5	H		MDTT1
50	Pietersburg	029E27 54	23S53 10.	39	618	5	H		MDTT2
51	PORT ELIZABETH	025E26 29	33S56 10	28	530	10	H		MDTT1
52	PORT ELIZABETH	025E26 29	33S56 10	32	562	10	H		MDTT2
53	PRETORIA	027E59 03	25S41 20	35	586	100	H		MDTT1
54	PRETORIA	027E59 03	25S41 20	33	570	100	H		MDTT2
55	PRETORIA NORTH	028E10 07	25S41 25	35	586	0.2512	V		MDTT1
56	PRETORIA NORTH	028E10 07	25S41 25	33	570	0.2512	V		MDTT2
57	RUSTENBURG	027E07 06	25S36 56	49	698	5	H		MDTT1
58	SEA POINT	018E29 19	33S56 09	28	530	0.4	V		MDTT1
59	SEA POINT	018E29 19	33S56 09	32	562	0.4	V		MDTT2
60	SIMONSTOWN	018E25 37	34S11 54	28	530	0.2512	V		MDTT1
61	SIMONSTOWN	018E25 37	34S11 54	32	562	0.2512	V		MDTT2
62	STELLENBOSCH	018E52 11	33S54 56	28	530	0.2512	V		MDTT1
63	STELLENBOSCH	018E52 11	33S54 56	32	562	0.2512	V		MDTT2
64	SUNNYSIDE	028E12 24	25S45 53	35	586	1	V		MDTT1
65	SUNNYSIDE	028E12 24	25S45 53	33	570	1	V		MDTT2
66	TABLE MOUNTAIN	018E24 13	33S57 25	28	530	0.2512	V		MDTT1
67	TABLE MOUNTAIN	018E24 13	33S57 25	32	562	0.5	V		MDTT2
68	THE BLUFF	031E00 45	29S54 40	33	570	2.4998	V		MDTT1
69	THE BLUFF	031E00 45	29S54 40	25	506	2.4998	V		MDTT2
70	THEUNISSEN	026E34 50	28S11 55	39	618	50	H		MDTT1
71	THEUNISSEN	026E34 50	28S11 55	43	650	50	H		MDTT2
72	TYGERBERG	018E35 46	33S52 29	28	530	1.9999	V		MDTT1
73	TYGERBERG	018E35 46	33S52 29	32	562	1.9999	V		MDTT2

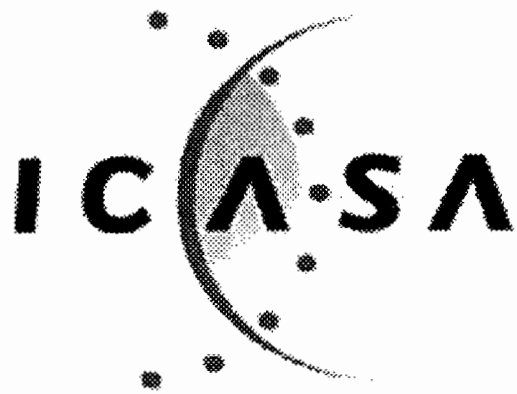


ANNEXURE H

FREQUENCY CHANGES

Annexure H: Frequency Changes 2009

No.	STATION NAME	GEO.CO-ORDINATES		FREQUENCY			New Freq	New Ch	ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ(MHz	FFSI	MHz	ERP(kW	POL	PROG	STAT	CAT	
1	PRETORIA NORTH	028E10 07	25S41 25	54	735.25	20	751.25	56	0.12	V	CSN	OPE	CML
2	RUSTENBURG CAS	027E14 33	25S41 26	54	735.25	0	551.25	31	0.1	V	MNET	OPE	CML
3	TABLE MOUNTAIN	018E24 13	33S57 25	28	511.25	0	647.25	43	0.2	V	SABC1	OPE	PBS
4	ANDRIESKRAAL	024E42 33	33S46 37	32	559.25	0	711.25	51	0.01	v	SABC3	OPE	PBS
5	LINMEYER	028E04 16	26S16 08	35	583.25	0	535.25	29	0.02	H	MNET	OPE	CML
6	VERULAM	031E02 19	29S38 25	25	503.25	0	487.25	23	0.01	V	SBC1	OPE	PBS
7	VERULAM	031E02 19	29S38 25	33	567.25	0	519.25	27	0.01	V	ETV	OPE	CML
8	SUIDRAND	027E14 16	27S41 18	25	503.25	0	591.25	36	0.25	V	MNET	OPE	CML
9	HOWICK	030E13 52	29S30 13	25	503.25	0	735.25	54	0.08	V	SBC1	OPE	PBS



ANNEXURE I

DIGITAL TECHNICAL PARAMETERS

ANNEXURE I

1. Digital Planning Parameters

The Technical standards and transmission characteristics for digital broadcasting will be in accordance with the GE06 plan. These Technical standards and transmission characteristics parameters will be used for all digital television coverage and interference planning. Generally the following parameters will used as the basis for the reference network. The following table clearly depicts the reference parameters as tabulated in the final act of ITU RRC-06 for digital network planning:

Table 1. FINAL ACTS OF ITU RRC-06 REFENCE PARAMETERS

Details	Final Acts of ITU RRC-06	Page Number
Definitions	CHAPTER 1 TO ANNEX 2	42-48
Propagation information	CHAPTER 2 TO ANNEX 2	49-78
Technical basis for the terrestrial broadcasting service Frequency bands, reception modes, antenna considerations, location correction factors, out-of-band spectrum masks	CHAPTER 3 TO ANNEX 2	160-171
System variants, channel numbering and channel boundaries,	Annex 3.1	172-183
C/N values and minimum median field-strength values of different DVB-T system variants for different reception conditions	ANNEX 3.2	184-185
Protection ratios for terrestrial broadcasting systems	ANNEX 3.3	186-200
Calculating of minimum median field strength	ANNEX 3.4	201-202
Reference planning configurations	ANNEX3.5	203-204
Reference networks	ANNEX 3.6	205-212
Calculating of interference for single frequency networks and allotments	ANNEX 3.7	213

ANNEXURE I

Figure.1 MODULATION STANDARDS, EMISSION BROADCASTING CHARECTERISTICS OF THE RADIATED SIGNAL FOR DIGITAL BROADCASTING

<table>
<tr><td colspan="7">2 CHARACTERISTICS</td></tr>
<tr><td>Nominal radio-frequency channel bandwidth (MHz)</td><td colspan="6">8</td></tr>
<tr><td>Nominal width of digital signal (MHz)</td><td colspan="6">7.61</td></tr>
<tr><td>Type of modulation</td><td colspan="6">COFDM</td></tr>
<tr><td rowspan="2">Number of carrier per channel</td><td colspan="3">3 8K MODE</td><td colspan="3">4 2K MODE</td></tr>
<tr><td colspan="3">6817</td><td colspan="3">1705</td></tr>
<tr><td rowspan="2">Carrier spacing</td><td colspan="3">5 8K MODE</td><td colspan="3">6 2K MODE</td></tr>
<tr><td colspan="3">1 kHz</td><td>4 kHz</td><td colspan="2"></td></tr>
<tr><td>Forward error correction rates (FEC)</td><td>1/2</td><td>2/3</td><td>3/4</td><td>5/6</td><td colspan="2">7/8</td></tr>
<tr><td>Guard interval</td><td>1/32</td><td colspan="2">1/16</td><td>1/8</td><td colspan="2">1/4</td></tr>
<tr><td>Carrier modulation scheme</td><td>64 QAM</td><td colspan="2">16-QAM</td><td colspan="3">QSPK</td></tr>
<tr><td rowspan="3">Hierarchical modulation</td><td>α = 1</td><td colspan="2">α = 2</td><td colspan="3">α = 4</td></tr>
<tr><td rowspan="2">Non-hierarchical</td><td colspan="2">-QPSK in non-uniform 16 QAM</td><td colspan="3">-QPSK in non-uniform 16 QAM</td></tr>
<tr><td colspan="2">-QPSK in non-uniform 64-QAM</td><td colspan="3">-QPSK in non-uniform 64-QAM</td></tr>
</table>

ANNEXURE I

2. Single Frequency Networks

SFN operation

The Final Acts of RRC-06 define a Single Frequency Network as "*A network of synchronized transmitting stations radiating identical signals in the same RF channel. SFNs are particularly suited to provide coverage of medium to large areas within which it is intended to provide a common set of programmes with all transmitters synchronized on a single frequency*"[1] (emphasis added)

SFNs offer greatly increased frequency efficiency as summarized in Figure 1 and transmitters operating within delay limits result in mutual addition of the signal powers at the receive point and thus network gain.

Self-interference in SFNs

The deployment of single frequency networks provides increased spectrum efficiency,, however, two restrictions must be adhered to limit the extent of the self interference in the network.*"Firstly, for a given receiving location, the main contributing signals in an SFN come from the nearby transmitters. In order to keep these contributions constructive the time delay between them must not exceed the guard interval to any significant extent, which means that neighbouring transmitters have to keep a certain upper limit for the distance between them.*

Secondly, even if the maximum separation distance for neighbouring transmitters is kept, more distant transmitters in the network may contribute destructively in such a way that ***a maximum size of the SFN service area must not be exceeded*** *in order to keep the number of relevant self-interfering transmitters small.*

The significance of self-interference, the resulting maximum separation distance between neighbouring transmitters and whether there is an overall maximum size of the SFN service area depends on the chosen guard interval, the sensitivity of the system with regard to self-interference (indicated by the relevant C/N value) and the density of the transmitters in the network.[2] (emphasis added).

[1] *Technical criteria of Digital Video Broadcasting Terrestrial (DVB-T) and Terrestrial – Digital Audio Broadcasting (T-DAB) allotment planning*, Electronic Communications Committee (ECC) within the European Conference of Postal and telecommunications Administrations (CEPT), ECC Report 49, Copenhagen, April 2004, Page 6.

[2] *Technical criteria of Digital Video Broadcasting Terrestrial (DVB-T) and Terrestrial – Digital Audio Broadcasting (T-DAB) allotment planning*, Electronic Communications Committee (ECC) within the European Conference of Postal and telecommunications Administrations (CEPT), ECC Report 49, Copenhagen, April 2004, Page 14.

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3 Single Frequency Network Optimization

Given the single frequency networks limitations, the SFN size optimization and the need to balance spectrum efficiency with self interference is vital. Whilst a larger SFN provides a higher spectrum efficiency it is also more prone to self-interference. The Institute für Rundfunktechnik analysis of the optimal SFN size for spectrum efficiency without self-interference is depicted in Figure. It shows that SFNs using 64QAM 2/3 FEC are typically limited to a service diameter of 100 to 150 km in order to restrict self-interference within the network.

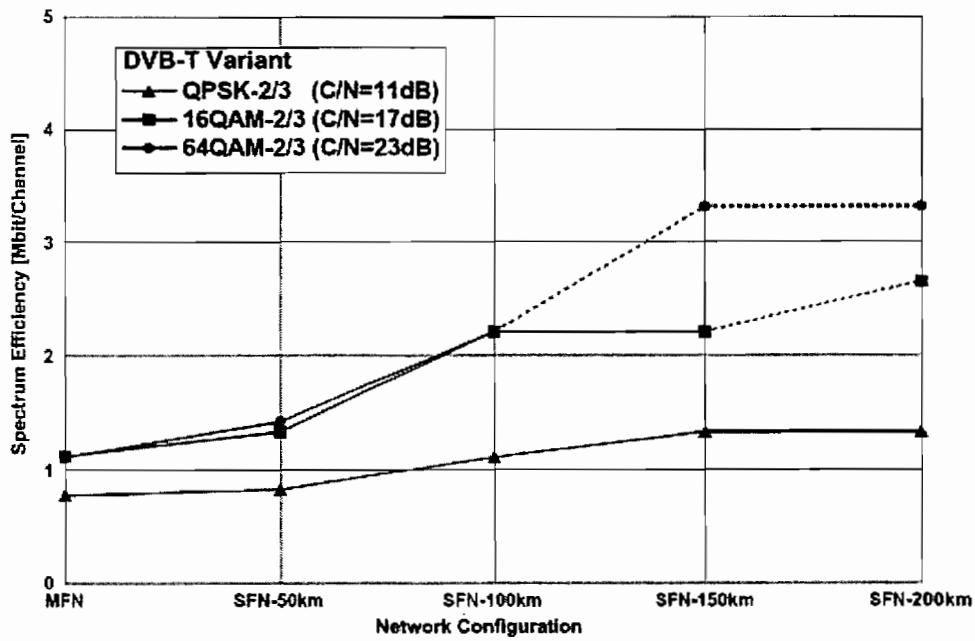

Figure.2: Spectrum efficiency of three DVB-T system variants shown in terms of possible SFN sizes (dotted lines indicate SFN sizes not considered realisable due to self-interference)[3]

Chapter 3 to Annex 2 of the Final Acts of RRC-06 defines reference networks to cover the different implementation requirements for DVB-T networks. Reference Network 1

[3] *Digitales Terrestrisches Fernseh: Einführungs-und Umstiegszenarien*, Dr Gerd Bock, Institute für Rundfunktechnik (IRT), parper presented to the FKTG - Fernseh- und Kinotechnische Gesellschaft at theTechnical University of Imenau, Germany, June 2000

ANNEXURE I

(RN 1) is indented for **large** service area SFN coverage. RN 1 assumes that main transmitter sites with an appropriate effective antenna height are used as a backbone for this type of network.

"For portable and mobile reception, ***the size of the real service areas for this type of SFN coverage is restricted to 150 to 200 km in diameter because of self-interference degradation****, unless very rugged DVB-T system variants are used or the concept of dense networks is employed"*[4] (emphasis added). Fixed reception may be aided by the directivity of a receive antenna and extend slightly beyond these limits.

The large service area parameters prescribed and agreed to at RRC-06 are listed in Table A.3.6-1 of Annex 3.6 to Chapter 3. The table is reproduced below for easier reference.

TABLE A.3.6-1

Parameters of RN 1 (large service area SFN)

RPC and reception type		RPC 1 Fixed antenna	RPC 2 Portable outdoor and mobile	RPC 3 Portable indoor
Type of network		Open	Open	Open
Geometry of service area		Hexagon	Hexagon	Hexagon
Number of transmitters		7	7	7
Geometry of transmitter lattice		Hexagon	Hexagon	Hexagon
Distance between transmitters *d* (km)		70	50	40
Service area diameter *D* (km)		161	115	92
Tx effective antenna height (m)		150	150	150
Tx antenna pattern		Non-directional	Non-directional	Non-directional
e.r.p.* (dBW)	Band III	34.1	36.2	40.0
	Bands IV/V	42.8	49.7	52.4

The e.r.p. is given for 200 MHz in Band III and 650 MHz in Bands IV/V; for other frequencies (*f* in MHz) the frequency correction factor to be added is: 20 $\log_{10}$ (*f*/200 or *f*/650) for RPC 1 and 30 $\log_{10}$ (*f*/200 or *f*/650) for RPC 2 and RPC 3.

* The e.r.p. values indicated in this table incorporate an additional power margin of 3 dB.

[4] Annex 2 Chapter 3 of the Final Acts of the ITU Regional Radiocommunication Conference for planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 470-862 MHz (RRC-06), page 205

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3. Protection ratio for Co-channel PAL-I analogue television being interfered with PAL-I analogue television

TABLE 3.11 – *Protection ratio*

Offset in multiples of 1/12 line frequency		0	1	2	3	4	5	6	7	8	9	10	11	12
Non-precision offset	Tropospheric interference	45	44	40	34	30	28	27	28	30	34	40	44	45
(Transmitter stability ± 500 Hz)	Continuous interference	52	51	48	44	40	36	33	36	40	44	48	51	52

(Value in the first column is only valid for 0/12 case. All other values between 1/12 and 12/12 are the same by addition or subtraction of integer multiples of 12/12 up to ± 36/12.)

4. Co-channel protection (PAL-I Interfered with DVB-T)

TABLE A.3.3-23

Co-channel protection ratios (dB) for a analogue terrestrial television signal interfered with by co-channel DVB-T signal

	Tropospheric interference	Continuous interference
DVB-T 8 MHz (UHF)	34	40
DVB-T 7 MHz (VHF)	35	41

ANNEXURE I

5. Co-channel protection (DVB-T Interfered with DVB-T)

TABLE A.3.3-1

Co-channel protection ratios (dB) for a DVB-T signal interfered with by a DVB-T signal for different DVB-T variants for the case of fixed reception (FX), portable outdoor reception (PO), portable indoor reception (PI) and mobile reception (MO)

DVB-T system variant	FX	PO	PI	MO
QPSK 1/2	6.00	8.00	8.00	11.00
QPSK 2/3	8.00	11.00	11.00	14.00
QPSK 3/4	9.30	11.70	11.70	14.70
QPSK 5/6	10.50	13.00	13.00	16.00
QPSK 7/8	11.50	14.10	14.10	17.10
16-QAM 1/2	11.00	13.00	13.00	16.00
16-QAM 2/3	14.00	16.00	16.00	19.00
16-QAM 3/4	15.00	18.00	18.00	21.00
16-QAM 5/6	16.90	19.40	19.40	22.40
16-QAM 7/8	17.50	20.10	20.10	23.10
64-QAM 1/2	17.00	19.00	19.00	22.00
64-QAM 2/3	20.00	23.00	23.00	26.00
64-QAM 3/4	21.00	25.00	25.00	28.00
64-QAM 5/6	23.30	25.80	25.80	28.80
64-QAM 7/8	24.30	26.90	26.90	29.90

6. Protection ratio for lower adjacent channel interference (PAL-I interfered with PAL-I)

ANNEXURE I

TABLE 3.III – *Protection ratio for lower adjacent-channel interference (UHF bands)*

Wanted signal \ Unwanted signal	Protection ratio (dB)			
	G	H	I	K1
G	– 9	– 9	– 9	– 9
H	– 9	– 9	– 9	+ 13
I	– 9	– 9	– 9	+ 13
K1	– 9	– 9	– 9	– 9

7. Protection ratio for upper adjacent channel interference (PAL-I interfered with PAL-I)

GE89 qualifies that the protection ratio for upper adjacent channel interference for all analogue TV systems is -12 dB.

8. Protection ratio for lower- and upper adjacent channel interference (PAL-I interfered with DVB-T)

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TABLE A.3.3-25

Protection ratios (dB) for analogue B, D, D1, G, H, K/PAL vision signals interfered with by a DVB-T 8 MHz signal (overlapping channels)

Centre frequency of the unwanted DVB-T signal minus the vision carrier frequency of the wanted analogue television signal (MHz)		Protection ratio	
		Tropospheric interference[1]	Continuous interference[1]
	−8.25	−16	−11
(*N* − 1)	−5.25	−9	−5
	−4.75	−4	3
	−4.25	12	20
	−3.75	24	30
	−3.25	29	36
	−2.25	33	39
	−1.25	34	40
(*N*)	2.75	34	40
	4.75	34	39
	5.75	30	37
	6.75	27	34
	7.75	25	32
	8.75	5	11
(*N* + 1)	9.75	−8	−5
	12.75	−8	−5

[1] The values for tropospheric and continuous interference have been arrived at from Table A.3.3-24 by calculation.

9. Protection ratio for lower- and upper adjacent channel interference (PAL-I interfered with DVB-T)

TABLE A.3.3-2

Protection ratios (dB) for a DVB-T signal interfered with by a DVB-T signal in the lower (*N* − 1) and upper (*N* + 1) adjacent channels

Channel	*N* − 1	*N* + 1
PR	–30	–30

ANNEXURE J

SQUARE KILOMETRE ARRAY (SKA)

AFFECTED FREQUENCIES

Annexure J: SKA affected frequencies

Table 1: Analysis of frequency assignments for VHF/FM sound broadcasting in the Northern Cape Province.

Station name	ERP(kW)	Operational assignments	Spare assign-ments	Existing station	Distance	RFI position
Vanwyksvlei	10	0	6	No	59	Critical
Sakrivier	10	0	6	No	78	Critical
Williston	0.02/2.0	1	5	Yes	79	Moderate
Carnarvon	10/50	3	3	Yes	103	Critical
Brandvlei	10	0	6	No	109	Critical
Prinshof	5	0	6	No	156	Critical
Fraserburg	30	0	6	No	161	Critical
Calvinia	1/10/50	2	4	Yes	165	Critical
Prieska	9	4	3	Yes	169	Critical
Loeriesfontein	10	0	1	No	182	Moderate
Granaatboskolk	10	0	10	No	184	Moderate
Beaufort West	0.5/1/10 /50	5	2	Yes	206	Moderate
Upington	1/8/10	4	3	Yes	207	Moderate
Victoria West	4/5	2	3	Yes	212	Moderate
Niekerkshoop	10	0	6	No	214	Moderate
Houmoed	50	0	6	No	217	Critical
Gamoep	1	0	5	No	251	Minor
Augrabies	10	0	6	No	256	Moderate
De Aar	10/1	3	4	Yes	257	Moderate
Van Rhynsdorp	3/17/50	4	2	Yes	276	Moderate
Lombaardsvlakte	10	0	6	No	278	Moderate
Douglas	9/10	3	3	Yes	280	Moderate
Pofadder	5	3	3	Yes	281	Moderate
Upington North	10	0	1	No	307	Moderate
Garies	2.6/3	3	3	Yes	314	Low
Danielskuil	50	0	5	No	352	Moderate
Springbok	17/50	3	3	Yes	360	Moderate
Noenieput	10	0	6	No	361	Low
Kalahari	10	0	4	No	375	Low
Kuruman Hills	11/1	4	3	Yes	381	Low
Kuruman 1	1	1	0	Yes	399	Minor
Steinkopf	10	0	1	No	403	Minor
Faans Grove	5	2	4	Yes	415	Minor
Kuruman	3.8/10	1	2	Yes	420	Minor
Mier	20	0	4	No	457	Minor
Debeersrus	10	0	6	No	465	Minor
Ganyesa	2/3/5	1	2	Yes	539	Negligible

Annexure J: SKA affected frequencies

Table 2: Analysis of analogue VHF and UHF television broadcasting in the Northern Cape Province

Station name	ERP(kW)	Operational assignments	Spare assign-ments	Existing station	Distance	RFI position
Vanwyksvlei	500	0	2	No	59	Extreme
Williston	0.5/1	1	5	Yes	79	Critical
Carnarvon	10	1	4	Yes	103	Critical
Brandvlei	500	0	2	No	109	Extreme
Fraserburg	10/500	0	5	No	161	Extreme
Calvinia	10	1	5	Yes	165	Critical
Prieska	10/500	1	4	Yes	169	Extreme
Sutherland	10/500	0	3	No	203	Extreme
Beaufort West	1.6/4/10 /13/56	3	2	Yes	206	Critical
Upington	100/112 /200	1	4	Yes	207	Extreme
Victoria West	0.5/500	1	2	Yes	212	Extreme
Niekerkshoop	500	0	2	No	214	Extreme
Houmoed	50	0	2	No	217	Critical
Upington Town	0.4	2	0	Yes	245	Low
Gamoep	500	0	2	No	251	Critical
Augrabies	500	0	2	No	256	Critical
De Aar	10/100 /500	2	3	Yes	257	Critical
Pofadder Dorp	0.1	1	0	Yes	259	Minor
Van Rhynsdorp	100/500	2	5	Yes	276	Critical
Lombaards-vlakte	10	0	2	No	278	Low
Douglas	10	0	6	Yes	280	Low
Pofadder	2.5/10	1	3	Yes	281	Low
Garies	13/200 /500	1	4	Yes	314	Critical
Noupoort	1/10	1	5	Yes	351	Low
Colesberg	0.5	1	1	Yes	357	Minor
Springbok	10	2	3	Yes	360	Low
Noenieput	200/500	0	4	No	361	Moderate
Kalahari	500	0	2	No	375	Moderate
Kuruman Hills	126/500	3	2	Yes	381	Moderate
Steinkopf	500	0	2	No	403	Moderate
Faans Grove	200/500	0	4	Yes	415	Moderate
Kuruman	5	0	2	Yes	420	Minor
Mier	500	0	2	No	457	Moderate
Debeersrus	500	0	2	No	465	Moderate
Grootderm	1	0	2	No	481	Negligible
Alexander Bay	0.1	4	0	Yes	521	Negligible

Annexure J: SKA affected frequencies

Table 3: Analysis of Analogue Self-Help television frequency assignments in the Northern Cape Province

Station name	ERP(kW)	Operational assignments	Distance	RFI position
Williston Tweemik	0.005	1	16	Critical
Williston Heuningberg	0.001	1	22	Critical
Williston Grootmeestersklip	0.004	1	40	Critical
Brandvlei Rode se Put	0.016	1	77	Critical
Williston	0.004	3	81	Moderate
Carnarvon	0.004	2	82	Moderate
Brandvlei	0.006	4	85	Moderate
Williston Lukasfontein	0.079	1	116	Moderate
Fraserburg Burgerpos	0.001	1	126	Minor
Loxton	0.006	3	130	Minor
Fraserburg	0.005	5	136	Minor
Granaatboskolk Loop 10	0.004	1	137	Minor

Annexure J: SKA affected frequencies

Sutherland Elandsrivier	0.005	1	148	Minor
Kenhardt	0.004/0.008	4	152	Minor
Bo-treintjiesplaas	0.004	1	153	Minor
Sutherland Middel Rietrivier	0.004	1	159	Minor
Marydale	0.002	3	162	Minor
Fraserburg Tafelkop	0.016	1	162	Moderate
Calvinia	0.032	3	169	Moderate
Middelpos	0.006	1	171	Minor
Sutherland Tafelbergplaat	0.004	1	173	Minor
Sutherland Renosterrivier	0.003	1	174	Minor
Prieska	0.001	3	180	Negligible
Loeriesfontein	0.008	3	181	Minor
Victoria West	0.004	5	188	Negligible
Sutherland Merino	0.002	1	188	Negligible
Calvinia Naresie	0.003	1	191	Negligible
Sutherland Observatory	0.003	1	192	Negligible
Sutherland	0.004	4	197	Negligible
Bo-visrivier	0.007	1	198	Negligible
Sutherland Rheboksfontein	0.013	1	198	Negligible
Sutherland Vyffontein	0.001	1	203	Negligible
Groblershoop	0.004	3	207	Negligible
Pofadder Willem se Opdam	0.002	1	208	Negligible
Bo-visrivier Driefontein	0.003	1	209	Negligible
Britstown	0.004	2	209	Negligible
Niekerkshoop	0.004	4	212	Negligible
Keimoes	0.016	5	223	Negligible
Kakamas	0.005/0.008	4	224	Negligible
Sutherland Welgemoed	0.003	1	225	Negligible
Nieuwoudtville	0.02	4	227	Negligible
Upington Town	0.05/0.1	2	245	Negligible
De Aar	0.005/0.016	3	258	Negligible
Pofadder Town	0.079/0.1	5	259	Negligible
Richmond NCP	0.004	4	264	Negligible
Riemvasmaak Sending	0.004	4	267	Negligible
Riemvasmaak Vredesvallei	0.008	4	269	Negligible
Kakamas Seekoeisteek	0.006	1	279	Negligible
Pella Mission	0.005	3	280	Negligible
Aggeneys Blackmountain	0.251	1	281	Negligible
Aggeneys Blackmountain 2	0.004	3	289	Negligible
Onseepkans	0.004	4	291	Negligible
Hopetown	0.01	4	291	Negligible
Onseepkans sending	0.004	4	294	Negligible
Pofadder Kleinpella	0.003	1	295	Negligible
Paulshoek	0.004	4	296	Negligible
Leleiefontein	0.004	3	313	Negligible
Postmasburg	0.002	1	314	Negligible
Strandfontein	0.005	2	316	Negligible
Gariesfontein	0.001	1	319	Negligible
Petrusville	0.004	4	327	Negligible
Lime Acres	0.006/0.005 /0.004	5	333	Negligible
Vanwyksdorp	0.005	1	335	Negligible
Vanderkloof	0.004	3	337	Negligible

Annexure J: SKA affected frequencies

Lohatlha	0.016	1	347	Negligible
Concordia	0.004	4	350	Negligible
Springbok Matjieskloof	0.001	3	350	Negligible
Springbok Bergsig	0.001	3	350	Negligible
Springbok Town	0.025/0.013 /0.003	4	350	Negligible
Noupoort	0.003	3	351	Negligible
Danielskuil	0.004/0.005	2	354	Negligible
Goodhouse	0.004	4	359	Negligible
Colesberg	0.004	2	360	Negligible
Nababeep	0.05/0.1	3	360	Negligible
Colesberg	0.006	1	361	Negligible
Steinkopf Henkries	0.003	1	367	Negligible
Sishen/Kathu ISCOR	0.02	3	368	Negligible
Buffelsrivier	0.004	4	375	Negligible
Steinkopf	0.004	4	381	Negligible
Komaggas	0.004	4	382	Negligible
Hondeklipbaai	0.005	2	390	Negligible
Koingnaas	0.003	5	390	Negligible
Askham	0.05	4	415	Negligible
Kuruman Municipality	0.016	2	416	Negligible
Steinkopf Vioolsdrif	0.001	1	417	Negligible
Hotazel	0.05	2	421	Negligible
Kleinsee	0.002/0.006	5	424	Negligible
Hotazel Black Rock	0.008/0.013	2	424	Negligible
Askham Bloukrans	0.025	1	427	Negligible
Mier	0.05	4	449	Negligible
Lekkersing	0.004	4	450	Negligible
Port Nolloth	0.008/0.005	5	458	Negligible
Grootderm Kuboes	0.002	4	488	Negligible
Richtersveld Khubus	0.005	3	488	Negligible
Grootderm Kodaspiek	0.005	1	501	Negligible
Grootderm Baken	0.003/0.005	2	507	Negligible
Grootderm Brandkaros	0.001	1	514	Negligible
Grootderm Sendelingsdrift	0.001	2	516	Negligible

Annexure J: SKA affected frequencies

Table 4: Analysis of Digital Terrestrial Television frequency assignments in the Northern Cape Province

Station name	ERP(kW)	Number of assignments	Existing station	Distance	RFI position
Vanwyksvlei	200	2	No	59	Extreme
Williston	10	2	Yes	79	Critical
Carnarvon	10	2	Yes	103	Critical
Brandvlei	200	2	No	109	Extreme
Fraserburg	10	2	No	161	Critical
Calvinia	10	2	Yes	165	Critical
Prieska	200	2	Yes	169	Extreme
Sutherland	10	2	No	203	Critical
Beaufort West	56.1/60	2	Yes	206	Critical
Upington	100	2	Yes	207	Critical
Victoria West	10	2	Yes	212	Critical
Niekerkshoop	10	2	No	214	Critical
Houmoed	50	2	No	217	Critical
Upington Town	0.4/0.38	2	Yes	245	Minor
Gamoep	200	2	No	251	Critical
Augrabies	200	2	No	256	Critical
De Aar	200	2	Yes	257	Critical
Van Rhynsdorp	200	2	Yes	276	Critical
Lombaardsvlakte	10	2	No	278	Low
Douglas	10	2	Yes	280	Low
Pofadder	10	2	Yes	281	Low
Garies	200	2	Yes	314	Moderate
Noupoort	1	2	Yes	351	Minor
Colesberg	0.5	2	Yes	357	Minor
Springbok	10	2	Yes	360	Low
Noenieput	10	2	No	361	Low
Kalahari	10	2	No	375	Low
Kuruman Hills	10	2	Yes	381	Low
Steinkopf	10	2	No	403	Minor
Faans Grove	200	2	Yes	415	Moderate
Kuruman	5	2	Yes	420	Minor
Mier	10	2	No	457	Minor
Debeersrus	200	2	No	465	Low
Grootderm	1	2	No	481	Negligible
Alexander Bay	0.1	2	Yes	521	Negligible