

75.2 – 87.5 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
75.2 - 87.5 MHz			
FIXED			
MOBILE except Aeronautical Mobile	MOBILE except Aeronautical Mobile	Mobile 2 MTX 75.2 - 76.175 MHz	Paired with 70 - 70.975 MHz
		Mobile 1 MTX 76.175 - 76.925 MHz	Paired with 69.25 - 70 MHz
		Mobile 3 MTX 76.925 - 77.975 MHz	Paired with 71.475 - 72.525 MHz
		Mobile 4 MTX 78.625 – 80 MHz	Paired with 73.425 - 74.8 MHz
		Mobile 5 BTX 77.975 - 78.625 MHz	Paired with 82.975 - 83.625 MHz
		Mobile 6 BTX 80 - 80.5 MHz	Paired with 87 - 87.5 MHz
		Single Frequency Mobile 80.5 – 81 MHz	

5.175 5.179 5.187	Mobile 7 BTX 81 - 81.625 MHz	Paired with 86.375 - 87 MHz
	Mobile 8 BTX 81.625 - 82.975 MHz	Paired with 85.025 - 86.375 MHz
	Mobile 5 MTX 82.975 - 83.625 MHz	Paired with 77.975 - 78.625 MHz
	Single Frequency Mobile 83.625 - 85.025 MHz	
	Mobile 8 MTX 85.025 - 86.375 MHz	Paired with 81.625 - 82.975 MHz
	Mobile 7 MTX 86.375 - 87 MHz	Paired with 81 - 81.625 MHz
	Mobile 6 MTX 87 - 87.5 MHz	Paired with 80 - 80.5 MHz

87.5 – 137.175 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
87.5 - 100 MHz BROADCASTING 5.190	BROADCASTING	Sound Broadcasting	
100 - 108 MHz BROADCASTING 5.194	BROADCASTING	Sound Broadcasting	
108 - 117.975 MHz AERONAUTICAL RADIONAVIGATION 5.197 5.197A	AERONAUTICAL RADIONAVIGATION 5.197A	108 - 112 MHz ILS localiser 112-117.975 MHz VOR (VHF Omnidirectional Range)	
117.975 - 137 MHz			

AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
5.111 5.200 5.201 5.202	5.111 5.200		
137 - 137.025 MHz			
SPACE OPERATION (space-to-Earth)	SPACE OPERATION (space-to-Earth)		
METEOROLOGICAL-SATELLITE (space-to-Earth)	METEOROLOGICAL-SATELLITE (space-to-Earth)	MET SAT	
MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.208B	MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.208B		
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)		
Fixed	FIXED		
Mobile except Aeronautical mobile (R)	Mobile except Aeronautical mobile (R)		
5.205 5.206 5.208	5.208		

137.025 - 137.175 MHz			
SPACE OPERATION (space-to-Earth)	SPACE OPERATION (space-to-Earth)		
METEOROLOGICAL-SATELLITE (space-to-Earth)	METEOROLOGICAL-SATELLITE (space-to-Earth)		
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)		
Fixed			
Mobile-satellite (space-to-Earth) 5.208A 5.209 5.208B	Mobile-satellite (space-to-Earth) 5.208A 5.209 5.208B		
Mobile except Aeronautical mobile (R)	Mobile except Aeronautical mobile (R)		
5.205 5.206 5.208	5.208		

137.175 – 143.6 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
137.175 - 137.825 MHz			
SPACE OPERATION (space-to-Earth)	SPACE OPERATION (space-to-Earth)		
METEOROLOGICAL-SATELLITE (space-to-Earth)	METEOROLOGICAL-SATELLITE (space-to-Earth)	NOAA meteorological satellite 137.5 - 137.62 MHz	
MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.208B	MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.208B		
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)		
Fixed			
Mobile except Aeronautical mobile (R)	Mobile except Aeronautical mobile (R)		
5.205 5.206 5.208	5.208		

137.825 - 138 MHz			
SPACE OPERATION (space-to-Earth)	SPACE OPERATION (space-to-Earth)		
METEOROLOGICAL-SATELLITE (space-to-Earth)	METEOROLOGICAL-SATELLITE (space-to-Earth)		
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)		
Fixed			
Mobile-satellite (space-to-Earth) 5.208A 5.209 5.208B	Mobile-satellite (space-to-Earth) 5.208A 5.209 5.208B		
Mobile except Aeronautical mobile (R)	Mobile except Aeronautical mobile (R)		
5.205 5.206 5.208	5.208		
138 - 143.6 MHz			

AERONAUTICAL MOBILE (OR)	Fixed	Single Frequency Alarms 140.5 – 141 MHz	
	MOBILE	Mobile 1 MTX 138 - 140.5 MHz	Paired with 141.5 - 144 MHz Allocation includes MTX assignments at 138 - 138.425 MHz and 138.475 - 138.95 MHz
		Single Frequency Mobile 141 - 141.5 MHz	
		Mobile 1 BTX 141.5 – 144 MHz	Paired with 138 - 140.5 MHz Allocation includes BTX assignments at 142.8 - 143.275 MHz and 143.325 - 143.975 MHz
		Remote control industrial apparatus 141 – 142 MHz	Government Gazette No 31290, Notice No 926 of 2008 refers
5.210 5.211 5.212 5.214	5.212		

143.6 – 149.9 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
143.6 – 143.65 MHz AERONAUTICAL MOBILE (OR)	MOBILE	Mobile 1 BTX 141.5 – 144 MHz	Paired with 138 - 140.5 MHz Allocation includes BTX assignments at 142.8 - 143.275 MHz and 143.325 - 143.975 MHz
SPACE RESEARCH (space-to-Earth) 5.211 5.212 5.214	SPACE RESEARCH (space-to-Earth) 5.212		
143.65 - 144 MHz AERONAUTICAL MOBILE (OR)			

5.210 5.211 5.212 5.214	MOBILE 5.212	Mobile 1 BTX 141.5 – 144 MHz	Paired with 138 - 140.5 MHz Allocation includes BTX assignments at 142.8 - 143.275 MHz and 143.325 - 143.975 MHz
144 - 146 MHz AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE		
146 - 148 MHz FIXED MOBILE except Aeronautical Mobile (R)	MOBILE except Aeronautical Mobile (R)	Mobile 2 MTX 146 – 148.95 MHz	Paired with 153.05 - 156 MHz
148 - 149.9 MHz FIXED			

MOBILE except Aeronautical mobile (R)	MOBILE except Aeronautical mobile (R) NF 7	Mobile 2 MTX 146 - 148.95 MHz	Paired with 153.05 – 156 MHz
		Single Frequency Mobile 148.950 - 151 MHz	
		Wildlife telemetry Tracking 148 – 152 MHz	Government Gazette No 31290, Notice No 926 of 2008 refers
MOBILE-SATELLITE (Earth-to- space) 5.209	MOBILE-SATELLITE (Earth-to- space) 5.209		
		Low Earth Orbit (Earth-to-space)	Systems are paired with either 137 – 138 MHz or 400.15 – 401 MHz
5.218 5.219 5.221	5.218 5.219 5.221		

149.9 – 154 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
149.9 - 150.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.224B 5.220 5.222 5.223	MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.224B 5.220 5.222 5.223	Low Earth Orbit	
150.05 - 153 MHz FIXED MOBILE except Aeronautical mobile	FIXED MOBILE except Aeronautical mobile NF8	Single Frequency Alarms 152.05-152.55 MHz Alarms, Single Frequency Mobile and Load shedding 148.950 - 151 MHz Government Services	Channels 150.550 MHz & 150.5625 MHz are used for load shedding Channels 150.625, 150.650 and 150.675 MHz are reserved for in-house paging

		Wildlife telemetry Tracking 148 – 152 MHz	Government Gazette No 26193, Notice 533 of 24 March 2004 refers
		Single Frequency Mobile 152.55 - 153.05 MHz	
RADIO ASTRONOMY	RADIO ASTRONOMY NF2		
5.149	5.149		
153 - 154 MHz			
FIXED			
MOBILE except Aeronautical mobile (R)	MOBILE except Aeronautical mobile (R)	Single Frequency Mobile 152.55 - 153.05 MHz	
		Mobile 2 BTX 153.05 – 156 MHz	Paired with 146 - 148.95 MHz
Meteorological Aids	Meteorological Aids		

154 – 174 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
154 - 156.4875 FIXED MOBILE except Aeronautical mobile (R)	MOBILE except Aeronautical mobile (R)	Mobile 2 BTX 153.05 – 156 MHz Mobile 3 MTX 156 - 156.7625 MHz	Paired with 146 - 148.95 MHz 156 - 156.375 MHz allocated to land mobile MTX in inland areas (paired with 160.6 - 160.975 MHz) 156.375 - 156.7625 MHz allocated to SF mobile in inland areas
156.4875 – 156.5625 MARITIME MOBILE (distress and calling via DSC)	MARITIME MOBILE (distress and calling via DSC) FIXED	Maritime Radionavigation and Location (Radar)	The use of this band by the Maritime services shall be in accordance with ITU Appendix 18. Non Interference basis and Non Protection Basis to Maritime Mobile Services

5.111 5.226	MOBILE	Single frequency mobile 156.375 MHz– 156.7625 MHz in inland areas	Non Interference basis and Non Protection Basis to Maritime Mobile Services
5.227	5.111 5.226		
156.5625 – 156.7625	5.227		
FIXED	FIXED		
MOBILE except Aeronautical mobile(R)	MOBILE except Aeronautical mobile(R)		
5.226	5.226		
156.7625 - 156.8375			
MARITIME MOBILE (distress and calling)	MARITIME MOBILE (distress and calling)	Maritime Radionavigation and Location (Radar)	
5.111 5.226	5.111 5.226		
156.8375 – 174			

FIXED					The use of this band by the Maritime services shall be in accordance with ITU Appendix 18
MOBILE except Aeronautical mobile (R)	MOBILE except aeronautical mobile (R)		Mobile 1 MTX-DF 161.475 - 165.0375 MHz		Paired with Mobile 1 BTX - DF 156.875 160.4375 MHz
			Single Frequency Mobile 160.45 - 161.4625 MHz		
			Mobile 2 MTX-DF 165.05 - 165.5375 MHz		Paired with Mobile 2 BTX - DF 170.50 - 170.5375 MHz
		Mobile Satellite Services (Earth to Space) 5.227A			
			Single frequency Mobile 168.95 - 170.0375 MHz		
	NF9		Mobile 3 MTX-DF 165.55 - 167.4875 MHz		Paired with Mobile 3 BTX- DF 172.05 - 173.9875 MHz
			Single Frequency Mobile 172 - 172 0375 MHz		

5.226 5.229. 5.227	5.226	Mobile 4 MTX-DF 167.5 - 168.9375 Non-specific SRD – Telecommand only 173.2125 – 173.2375 MHz Non-specific SRD 173.2375 – 173.2875 MHz Wireless microphones 173.7 – 175.1 MHz	Paired with Mobile 4 BTX 170.55 - 171.9875 MHz Government Gazette No 31290, Notice No 926 of 2008 refers Government Gazette No 26193, Notice 533 of 24 March 2004 refers Government Gazette No 26193, Notice 533 of 24 March 2004 refers The band 156.8375 - 156.875 MHz is allocated to SF mobile inland areas. Private maritime MTX at 157.45 - 157.95 MHz paired with 162.05 - 162.55 MHz
174 – 223 BROADCASTING	BROADCASTING	Television Broadcasting 174 - 238 MHz	

5.235 5.237 5.243	NF10		
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223 - 272 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
223 - 230 MHz BROADCASTING Fixed Mobile 5.243 5.246 5.247	BROADCASTING NF10	Television Broadcasting 174 - 238 MHz	Broadcasting Allocations in accordance with GE 89 plan in the process of conversion to GE 06
230 - 235 MHz FIXED MOBILE			

5.247 5.251 5.252	BROADCASTING 5.252 NF10	Television Broadcasting 174 - 238 MHz	Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06
235 - 267 MHz			
FIXED			
MOBILE	BROADCASTING 5.252 NF10	Television Broadcasting 246 - 254 MHz	Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06
		Digital Audio Broadcasting (T-DAB) 238.4 - 239.9 MHz	The allocation to T-DAB is temporary. This is to allow field testing on Eureka 147 standard to take place in South Africa.
	MOBILE	International Distress Frequency 242.95 – 243.05 MHz (centre at 243 MHz)	
		Public Trunking (MPT 1327) BTX 254 - 259.4 MHz	Paired with 262 – 267.4 MHz
		Government Services	

5.111 5.252 5.254 5.256 5.256A	5.111 5.256 5.524	Public Trunking (MPT 1327) MTX 262 - 267.4 MHz	Paired with 254 – 259.4 MHz
267 - 272 MHz			
FIXED			
MOBILE	MOBILE	Public Trunking (MPT 1327) MTX 262 - 267.4 MHz	Paired with 254 – 259.4 MHz
Space operation (space-to-Earth)			
5.254 5.257	5.254 5.257	Government Services	

272 – 390 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
272 - 273 MHz SPACE OPERATION (space-to-Earth) FIXED MOBILE 5.254	MOBILE 5.254	Government Services	
273 - 312 MHz FIXED MOBILE 5.254	MOBILE 5.254	Government Services Single Frequency Mobile 278 – 286 MHz	

312 - 315 MHz			
FIXED			
MOBILE	MOBILE	Government Services	
Mobile-satellite (Earth-to-space) 5.254 5.255	5.254		
315 - 322 MHz			
FIXED			
MOBILE	MOBILE	Government Services	
5.254	5.254		
322 - 328.6 MHz			
FIXED			
MOBILE	MOBILE	Government Services	
RADIO ASTRONOMY	RADIO ASTRONOMY		

5.149	5.149		
328.6 - 335.4 MHz			
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION	ILS Glide Path 328.6 - 335.4 MHz	
5.258 5.259	5.258		
335.4 - 387 MHz			
FIXED	FIXED NF11	FWA 336 - 346 MHz	Paired with 356 - 366 MHz
			364 - 366 MHz DSSS 344 - 346
		WAS 357-364 MHz	Paired with 337-344MHz
		336 - 337 MHz	Paired with 356 - 357 MHz
MOBILE 5.254	MOBILE 5.254		
		Digital Trunking (Emergency) 380 - 387 MHz	Paired with 390 - 397 MHz

	NF12		
387 - 390 MHz			
FIXED			
MOBILE	MOBILE	Digital Trunking 387 – 390 MHz	Paired with 397– 399.9 MHz
Mobile-satellite (space-to-Earth)			
5.208A 5.254 5.255 5.208B	5.208B 5.254		

PART C: 390 MHz - 890 MHz

390 - 402 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
390 - 399.9 MHz FIXED MOBILE 5.254	MOBILE 5.254 NF12	Digital Trunking (Emergency) 390 - 397 MHz Public Protection Digital Radio 380 - 385 MHz Digital Trunking 397-399.9 MHz	Paired with 380 – 387 MHz paired with 390 - 395 MHz Paired with 387– 390 MHz
399.9 – 400.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A	MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A		

RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260	RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260		
5.220	5.220		
400.05 - 400.15 MHz			
STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)		
5.261 5.262	5.261		
400.15 - 401 MHz			
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
METEOROLOGICAL-SATELLITE (space-to-Earth)	METEOROLOGICAL-SATELLITE (space-to-Earth)	Radio Sounding	
MOBILE-SATELLITE (space-to- Earth) 5.208A 5.209 5.208B	MOBILE-SATELLITE (space-to- Earth) 5.208A 5.209 5.208B		
SPACE RESEARCH (space-to- Earth) 5.263	SPACE RESEARCH (space-to- Earth) 5.263		

Space operation (space-to-Earth)	Space operation (space-to-Earth)		
5.262 5.264	5.264		
401-402 MHz			
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS	Radio Sondes	
		Data uplink to Geostationery Satellite Orbit.	
SPACE OPERATION (space-to-Earth)	SPACE OPERATION (space-to-Earth)		
EARTH EXPLORATION-SATELLITE (Earth-to-space)			
METEOROLOGICAL-SATELLITE (Earth-to-space)			
Fixed			
Mobile except aeronautical mobile			

402 – 410 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
402 - 403 MHz			
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS	Radio Sondes	
EARTH EXPLORATION- SATELLITE (Earth-to-space)			
METEOROLOGICAL-SATELLITE (Earth-to-space)			
Fixed			
Mobile except aeronautical mobile		Medical Implants 402 – 405 MHz	Government Gazette No 31290, Notice No 926 of 2008 refers
		Various SRD's 402 – 406 MHz	

403 - 4 06 MHz			
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS	Radiosondes	
Fixed			
Mobile except aeronautical mobile		Medical Implants 402 – 405 MHz	Government Gazette No 31290, Notice No 926 of 2008 refers
		Short Range Devices 402 – 406 MHz	
406 - 406.1 MHz			
MOBILE-SATELLITE (Earth-to-space)	MOBILE-SATELLITE (Earth-to-space)	Emergency Position Indicating Radio Beacon (EPIRB)	Public Locator Beacon
5.266 5.267	5.266 5.267		
406.1 - 410 MHz			

FIXED	FIXED	Fixed Links 406.1 – 407.625 MHz	Paired with 416.1 – 417.625 MHz
		Fixed links 407.625 – 410 MHz	Paired with 417.625 – 420 MHz
		Mobile MTX 406.1 - 407.625 MHz	Paired with 416.1 – 417.625 MHz
		Mobile MTX 407.625 – 410 MHz	Paired with 417.625 - 420 MHz Allocated for Government use and Disaster Relief
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile	Mobile MTX 410- 413 MHz	Paired with 420- 423 MHz Digital Trunking
	NF13		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149	5.149		