

3 Table of frequency allocations

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
Below 8.3 kHz (Not allocated) 5.53 5.54	Below 8.3 kHz (Not allocated) 5.53 5.54		
8.3-9 kHz METEOROLOGICAL AIDS 5.54A 5.54B 5.54C	8.3-9 kHz METEOROLOGICAL AIDS 5.54A 5.54B 5.54C		
9-11.3 kHz METEOROLOGICAL AIDS 5.54A RADIONAVIGATION	9-11.3 kHz METEOROLOGICAL AIDS 5.54A RADIONAVIGATION	Nav. Aids Inductive Loop Systems (9 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011).
11.3-14 kHz RADIONAVIGATION	11.3-14 kHz RADIONAVIGATION	Nav. Aids Inductive Loop Systems (9 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011).
14-19.95 kHz FIXED MARITIME MOBILE 5.57 5.55 5.56	14-19.95 kHz FIXED MARITIME MOBILE 5.57 5.56	Inductive Loop Systems (9 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011).
19.95-20.05 kHz STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)	19.95-20.05 kHz STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
		Inductive Loop Systems (9 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
20.05-70 kHz FIXED MARITIME MOBILE 5.57 5.56 5.58	20.05-70 kHz FIXED MARITIME MOBILE 5.57 5.56	Inductive Loop Systems (9 – 135 kHz) RFID (59.75 – 60.25 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
70-72 kHz RADIONAVIGATION 5.60	70-72 kHz RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
72-84 kHz FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.60 5.56	72-84 kHz FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.60 5.56	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
84-86 kHz	84-86 kHz		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
86-90 kHz FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.56	86-90 kHz FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.56	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
90-110 kHz RADIONAVIGATION 5.62 Fixed 5.64	90-110 kHz RADIONAVIGATION 5.62 Fixed 5.64	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
110-112 kHz FIXED MARITIME MOBILE RADIONAVIGATION	110-112 kHz FIXED MARITIME MOBILE RADIONAVIGATION	Inductive Loop Systems (9 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
5.64	5.64	RFID (70 – 135 kHz)	B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
112-115 kHz RADIONAVIGATION 5.60	112-115 kHz RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
115-117.6 kHz RADIONAVIGATION 5.60 Fixed Maritime mobile	115-117.6 kHz RADIONAVIGATION 5.60 Fixed Maritime mobile	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
5.64 5.66	5.64		
117.6-126 kHz FIXED MARITIME MOBILE RADIONAVIGATION 5.60	117.6-126 kHz FIXED MARITIME MOBILE RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011). Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
5.64	5.64		
126-129 kHz RADIONAVIGATION 5.60	126-129 kHz RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
129-130 kHz FIXED MARITIME MOBILE RADIONAVIGATION 5.60	129-130 kHz FIXED MARITIME MOBILE RADIONAVIGATION 5.60	Nav. Aids Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
5.64	5.64		
130-135.7 kHz FIXED MARITIME MOBILE	130-135.7 kHz FIXED MARITIME MOBILE	Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
5.64 5.67	5.64		
135.7-137.8 kHz FIXED	135.7-137.8 kHz FIXED		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
MARITIME MOBILE Amateur 5.67A 5.64 5.67 5.67B	MARITIME MOBILE Amateur 5.67A 5.64		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
137.8-148.5 kHz FIXED MARITIME MOBILE 5.64 5.67	137.8-148.5 kHz FIXED MARITIME MOBILE 5.64		
148.5-255 kHz BROADCASTING 5.68 5.69 5.70	148.5-160 kHz BROADCASTING		
	160-200 kHz FIXED 5.68		
	200-255 kHz AERONAUTICAL RADIONAVIGATION 5.70		
255-283.5 kHz BROADCASTING AERONAUTICAL RADIONAVIGATION 5.70 5.71	255-283.5 kHz AERONAUTICAL RADIONAVIGATION 5.70	Nav. Aids	
283.5-315 kHz AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73 5.74	283.5-315 kHz AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73 5.74		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
315-325 kHz AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) 5.73 5.75	315-325 kHz AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) 5.73	Nav. Aids Coast Radio Telegraph Stations Radionavigation	
325-405 kHz AERONAUTICAL RADIONAVIGATION	325-405 kHz AERONAUTICAL RADIONAVIGATION		
405-415 kHz RADIONAVIGATION 5.76	405-415 kHz RADIONAVIGATION 5.76	Nav. Aids	
415-435 kHz MARITIME MOBILE 5.79 AERONAUTICAL RADIONAVIGATION	415-435 kHz MARITIME MOBILE 5.79 AERONAUTICAL RADIONAVIGATION 5.82		
435-472 kHz MARITIME MOBILE 5.79 Aeronautical radionavigation 5.77 5.82	435-472 kHz MARITIME MOBILE 5.79 Aeronautical radionavigation 5.82		
472-479 kHz MARITIME MOBILE 5.79 Amateur 5.80A Aeronautical radionavigation 5.77 5.80B 5.82	472-479 kHz MARITIME MOBILE 5.79 Amateur 5.80A Aeronautical radionavigation 5.82		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
479-495 kHz MARITIME MOBILE 5.79 5.79A Aeronautical radionavigation 5.77 5.82	479-495 kHz MARITIME MOBILE 5.79 5.79A Aeronautical radionavigation 5.82	NAVTEX service on 490 kHz Article 31 and 32	
495-505 kHz MARITIME MOBILE	495-505 kHz MARITIME MOBILE		
505-526.5 kHz MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	505-526.5 kHz MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	Maritime Radio Telegraphy NAVTEX service on 518 kHz Article 31 and 32	
526.5-1 606.5 kHz BROADCASTING 5.87 5.87A	526.5-1 606.5 kHz BROADCASTING	Medium Wave Sound Broadcasting (535.5 - 1606.5 kHz) Inductive Loop Systems (740 – 8800 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
1 606.5-1 625 kHz FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92	1 606.5-1 625 kHz FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92		
1 625-1 635 kHz RADIOLOCATION 5.93	1 625-1 635 kHz RADIOLOCATION	Nav. Aids	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
1 635-1 800 kHz FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92 5.96	1 635-1 800 kHz FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92	Maritime Radio Telephony	
1 800-1 810 kHz RADIOLOCATION 5.93	1 800-1 810 kHz RADIOLOCATION	Nav. Aids	
1 810-1 850 kHz AMATEUR 5.98 5.99 5.100	1 810-1 850 kHz AMATEUR		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
1 850-2 000 kHz FIXED MOBILE except aeronautical mobile 5.92 5.96 5.103	1 850-2 000 kHz FIXED MOBILE except aeronautical mobile 5.92 5.103	Maritime mobile applications	1850-1950 kHz is used for Maritime Coast Stations; 1950-2045 kHz is used by ship stations SSB Radio Telephony
2 000-2 025 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103	2 000-2 025 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103	Maritime mobile applications	1950-2045 kHz is used by ship stations SSB Radio Telephony
2 025-2 045 kHz FIXED	2 025-2 045 kHz FIXED		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
MOBILE except aeronautical mobile (R) Meteorological aids 5.104 5.92 5.103	MOBILE except aeronautical mobile (R) Meteorological aids 5.104 5.92 5.103	Maritime mobile applications Limited to Oceanographic buoy stations	1950-2045 kHz is used by ship stations SSB Radio Telephony
2 045-2 160 kHz FIXED MARITIME MOBILE LAND MOBILE 5.92	2 045-2 160 kHz FIXED MARITIME MOBILE LAND MOBILE 5.92		
2 160-2 170 kHz RADIOLOCATION 5.93 5.107	2 160-2 170 kHz RADIOLOCATION	Nav. Aids	
2 170-2 173.5 kHz MARITIME MOBILE	2 170-2 173.5 kHz MARITIME MOBILE		
2 173.5-2 190.5 kHz MOBILE (distress and calling) 5.108 5.109 5.110 5.111	2 173.5-2 190.5 kHz MOBILE (distress and calling) 5.108 5.109 5.110 5.111	Distress & Watch keeping (2182 kHz)	
2 190.5-2 194 kHz MARITIME MOBILE	2 190.5-2 194 kHz MARITIME MOBILE		
2 194-2 300 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103 5.112	2 194-2 300 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
2 300-2 498 kHz FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.103	2 300-2 498 kHz FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.103	Land Mobile and Maritime applications Sound Broadcasting	
2 498-2 501 kHz STANDARD FREQUENCY AND TIME SIGNAL (2 500 kHz)	2 498-2 501 kHz STANDARD FREQUENCY AND TIME SIGNAL (2 500 kHz)		
2 501-2 502 kHz STANDARD FREQUENCY AND TIME SIGNAL Space Research	2 501-2 502 kHz STANDARD FREQUENCY AND TIME SIGNAL Space Research		
2 502-2 625 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103 5.114	2 502-2 625 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103	Land Mobile and Maritime applications	
2 625-2 650 kHz MARITIME MOBILE MARITIME RADIONAVIGATION 5.92	2 625-2 650 kHz MARITIME MOBILE MARITIME RADIONAVIGATION 5.92	Buoys	
2 650-2 850 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103	2 650-2 850 kHz FIXED MOBILE except aeronautical mobile (R) 5.92 5.103	PTP links	
2 850-3 025 kHz AERONAUTICAL MOBILE (R) 5.111 5.115	2 850-3 025 kHz AERONAUTICAL MOBILE (R) 5.111 5.115		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
3 025-3 155 kHz AERONAUTICAL MOBILE (OR)	3 025-3 155 kHz AERONAUTICAL MOBILE (OR)		
3 155-3 200 kHz FIXED MOBILE except aeronautical mobile (R) 5.116 5.117	3 155-3 200 kHz FIXED MOBILE except aeronautical mobile (R) 5.116		
3 200-3 230 kHz FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.116	3 200-3 230 kHz FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.116	Sound Broadcasting	
3 230-3 400 kHz FIXED MOBILE except aeronautical mobile BROADCASTING 5.113 5.116 5.118	3 230-3 400 kHz FIXED MOBILE except aeronautical mobile BROADCASTING 5.113 5.116	Sound Broadcasting	
3 400-3 500 kHz AERONAUTICAL MOBILE (R)	3 400-3 500 kHz AERONAUTICAL MOBILE (R)		
3 500-3 800 kHz AMATEUR FIXED MOBILE except aeronautical mobile 5.92	3 500-3 800 kHz AMATEUR FIXED MOBILE except aeronautical mobile 5.92		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
3 800-3 900 kHz FIXED AERONAUTICAL MOBILE (OR)	3 800-3 900 kHz FIXED AERONAUTICAL MOBILE (OR)		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
LAND MOBILE	LAND MOBILE		
3 900-3 950 kHz AERONAUTICAL MOBILE (OR) 5.123	3 900-3 950 kHz AERONAUTICAL MOBILE (OR) BROADCASTING 5.123		
3 950-4 000 kHz FIXED BROADCASTING	3 950-4 000 kHz FIXED BROADCASTING	Sound Broadcasting	
4 000-4 063 kHz FIXED MARITIME MOBILE 5.127 5.126	4 000-4 063 kHz FIXED MARITIME MOBILE 5.127	Ship Stations Radiotelephony	
4 063-4 438 kHz MARITIME MOBILE 5.79A 5.109 5.110 5.130 5.131 5.132 5.128	4 063-4 438 kHz MARITIME MOBILE 5.79A 5.109 5.110 5.130 5.131 5.132	Public Correspondence DSC watch keeping (4207.5 kHz) NAVTEX service on 4209.5 kHz Article 31 and 32	See Section 7 for details
4 438-4 488 kHz FIXED MOBILE except aeronautical mobile (R) Radiolocation 5.132A 5.132B	4 438-4 488 kHz FIXED MOBILE except aeronautical mobile (R) Radiolocation 5.132A		
4 488-4 650 kHz FIXED MOBILE except aeronautical mobile (R)	4 488-4 650 kHz FIXED MOBILE except aeronautical mobile (R)		
4 650-4 700 kHz AERONAUTICAL MOBILE (R)	4 650-4 700 kHz AERONAUTICAL MOBILE (R)		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
4 700-4 750 kHz AERONAUTICAL MOBILE (OR)	4 700-4 750 kHz AERONAUTICAL MOBILE (OR)		
4 750-4 850 kHz FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING 5.113	4 750-4 850 kHz FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING 5.113	Sound Broadcasting	
4 850-4 995 kHz FIXED LAND MOBILE BROADCASTING 5.113	4 850-4 995 kHz FIXED LAND MOBILE BROADCASTING 5.113	Sound Broadcasting	
4 995-5 003 kHz STANDARD FREQUENCY AND TIME SIGNAL (5 000 kHz)	4 995-5 003 kHz STANDARD FREQUENCY AND TIME SIGNAL (5 000 kHz)		
5 003-5 005 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research	5 003-5 005 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research		
5 005-5 060 kHz FIXED BROADCASTING 5.113	5 005-5 060 kHz FIXED BROADCASTING 5.113	Sound Broadcasting	
5 060-5 250 kHz FIXED Mobile except aeronautical mobile 5.133	5 060-5 250 kHz FIXED Mobile except aeronautical mobile		
5 250-5 275 kHz FIXED	5 250-5 275 kHz FIXED		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
MOBILE except aeronautical mobile Radiolocation 5.132A 5.133A	MOBILE except aeronautical mobile Radiolocation 5.132A		
5 275-5 450 kHz FIXED MOBILE except aeronautical mobile	5 275-5 450 kHz FIXED MOBILE except aeronautical mobile		
5 450-5 480 kHz FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5 450-5 480 kHz FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE		
5 480-5 680 kHz AERONAUTICAL MOBILE (R) 5.111 5.115	5 480-5 680 kHz AERONAUTICAL MOBILE (R) 5.111 5.115		
5 680-5 730 kHz AERONAUTICAL MOBILE (OR) 5.111 5.115	5 680-5 730 kHz AERONAUTICAL MOBILE (OR) 5.111 5.115		
5 730-5 900 kHz FIXED LAND MOBILE	5 730-5 900 kHz FIXED LAND MOBILE		
5 900-5 950 kHz BROADCASTING 5.134 5.136	5 900-5 950 kHz BROADCASTING 5.134 Fixed 5.136 Land Mobile 5.136	Sound Broadcasting	
5 950-6 200 kHz BROADCASTING	5 950-6 200 kHz BROADCASTING	Sound Broadcasting	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
6 200-6 525 kHz MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137	6 200-6 525 kHz MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137	DSC (GMDSS) Distress Watch (6 312 kHz). Public Correspondence	Appendix 15 of ITU RR See Section 7 for details
6 525-6 685 kHz AERONAUTICAL MOBILE (R)	6 525-6 685 kHz AERONAUTICAL MOBILE (R)		
6 685-6 765 kHz AERONAUTICAL MOBILE (OR)	6 685-6 765 kHz AERONAUTICAL MOBILE (OR)		
6 765-7 000 kHz FIXED MOBILE except aeronautical mobile (R) 5.138 5.138A 5.139	6 765-7 000 kHz FIXED MOBILE except aeronautical mobile (R) 5.138 5.138A	Inductive Loop Systems (6765 – 6795 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
7 000-7 100 kHz AMATEUR AMATEUR-SATELLITE 5.140 5.141 5.141A	7 000-7 100 kHz AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
7 100-7 200 kHz AMATEUR 5.141A 5.141B 5.141C 5.142	7 100-7 200 kHz AMATEUR 5.141C 5.142		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
7 200-7 300 kHz BROADCASTING	7 200-7 300 kHz BROADCASTING	Sound Broadcasting	
7 300-7 400 kHz BROADCASTING 5.134	7 300-7 400 kHz BROADCASTING 5.134	Sound Broadcasting	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
5.143 5.143A 5.143B 5.143C 5.143D	Fixed 5.143 (7300-7350 kHz) Land mobile 5.143 (7300-7350 kHz) 5.143B		NINP basis to broadcasting NINP basis to broadcasting
7 400-7 450 kHz BROADCASTING 5.143B 5.143C	7 400-7 450 kHz BROADCASTING 5.143B	Inductive Loop Systems (7400 – 8800 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
7 450-8 100 kHz FIXED MOBILE except aeronautical mobile (R) 5.143E	7 450-8 100 kHz FIXED MOBILE except aeronautical mobile (R) 5.143E	Inductive Loop Systems (7400 – 8800 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
8 100-8 195 kHz FIXED MARITIME MOBILE	8 100-8 195 kHz FIXED MARITIME MOBILE	Inductive Loop Systems (7400 – 8800 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
8 195-8 815 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145 5.111	8 195-8 815 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145 5.111	DSC (GMDSS) Distress Watch keeping on 8414.5 kHz Public Correspondence and transmission of meteorological bulletins and notices to navigators Inductive Loop Systems (7400 – 8800 kHz)	Appendix 15 of ITU RR See Section 7 for details Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
8 815-8 965 kHz AERONAUTICAL MOBILE (R)	8 815-8 965 kHz AERONAUTICAL MOBILE (R)		
8 965-9 040 kHz AERONAUTICAL MOBILE (OR)	8 965-9 040 kHz AERONAUTICAL MOBILE (OR)		
9 040-9 305 kHz FIXED	9 040-9 305 kHz FIXED		
9 305-9 355 kHz FIXED Radiolocation 5.145A 5.145B	9 305-9 355 kHz FIXED Radiolocation 5.145A		
9 355-9 400 kHz FIXED	9 355-9 400 kHz FIXED		
9 400-9 500 kHz BROADCASTING 5.134 5.146	9 400-9 500 kHz BROADCASTING 5.134 5.146	Sound Broadcasting	
9 500-9 900 kHz BROADCASTING 5.147	9 500-9 900 kHz BROADCASTING 5.147	Sound Broadcasting	
9 900-9 995 kHz FIXED	9 900-9 995 kHz FIXED		
9 995-10 003 kHz STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) 5.111	9 995-10 003 kHz STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) 5.111		
10 003-10 005 kHz	10 003-10 005 kHz		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	Passive sensing	
10 005-10 100 kHz AERONAUTICAL MOBILE (R) 5.111	10 005-10 100 kHz AERONAUTICAL MOBILE (R) 5.111		
10 100-10 150 kHz FIXED Amateur	10 100-10 150 kHz FIXED Amateur		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
10 150-11 175 kHz FIXED Mobile except aeronautical mobile (R)	10 150-11 175 kHz FIXED Mobile except aeronautical mobile (R)		
11 175-11 275 kHz AERONAUTICAL MOBILE (OR)	11 175-11 275 kHz AERONAUTICAL MOBILE (OR)		
11 275-11 400 kHz AERONAUTICAL MOBILE (R)	11 275-11 400 kHz AERONAUTICAL MOBILE (R)		
11 400-11 600 kHz FIXED	11 400-11 600 kHz FIXED		
11 600-11 650 kHz BROADCASTING 5.134 5.146	11 600-11 650 kHz BROADCASTING 5.134 5.146	Sound Broadcasting	
11 650-12 050 kHz BROADCASTING 5.147	11 650-12 050 kHz BROADCASTING 5.147	Sound Broadcasting	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
12 050-12 100 kHz BROADCASTING 5.134 5.146	12 050-12 100 kHz BROADCASTING 5.134 5.146	Sound Broadcasting	
12 100-12 230 kHz FIXED	12 100-12 230 kHz FIXED		
12 230-13 200 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145	12 230-13 200 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145	DSC (GMDSS) Distress Watch keeping (12 577 kHz) Public Correspondence and transmission of meteorological bulletins and notices to navigators	Appendix 15 of ITU RR See Section 7 for details
13 200-13 260 kHz AERONAUTICAL MOBILE (OR)	13 200-13 260 kHz AERONAUTICAL MOBILE (OR)		
13 260-13 360 kHz AERONAUTICAL MOBILE (R)	13 260-13 360 kHz AERONAUTICAL MOBILE (R)		
13 360-13 410 kHz FIXED RADIO ASTRONOMY 5.149	13 360-13 410 kHz FIXED RADIO ASTRONOMY 5.149		
13 410-13 450 kHz FIXED Mobile except aeronautical mobile (R)	13 410-13 450 kHz FIXED Mobile except aeronautical mobile (R)		
13 450-13 550 kHz FIXED Mobile except aeronautical mobile (R)	13 450-13 550 kHz FIXED Mobile except aeronautical mobile (R)		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
Radiolocation 5.132A 5.149A	Radiolocation 5.132A		
13 550-13 570 kHz FIXED Mobile except aeronautical mobile (R) 5.150	13 550-13 570 kHz FIXED Mobile except aeronautical mobile (R) 5.150	Inductive Loop Systems (13 553 – 13 567 kHz) RFID and EAS systems (13 553 – 13 567 kHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)
13 570-13 600 kHz BROADCASTING 5.134 5.151	13 570-13 600 kHz BROADCASTING 5.134 5.151	Sound Broadcasting	
13 600-13 800 kHz BROADCASTING	13 600-13 800 kHz BROADCASTING	Sound Broadcasting	
13 800-13 870 kHz BROADCASTING 5.134 5.151	13 800-13 870 kHz BROADCASTING 5.134 5.151	Sound Broadcasting	
13 870-14 000 kHz FIXED Mobile except aeronautical mobile (R)	13 870-14 000 kHz FIXED Mobile except aeronautical mobile (R)		
14 000-14 250 kHz AMATEUR AMATEUR-SATELLITE	14 000-14 250 kHz AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
14 250-14 350 kHz AMATEUR	14 250-14 350 kHz AMATEUR		Radio Frequency Spectrum Regulations (Annex

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
5.152			l) (GG. No. 34172, 31 March 2011)
14 350-14 990 kHz FIXED Mobile except aeronautical mobile (R)	14 350-14 990 kHz FIXED Mobile except aeronautical mobile (R)		
14 990-15 005 kHz STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 5.111	14 990-15 005 kHz STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 5.111		
15 005-15 010 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research	15 005-15 010 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research		
15 010-15 100 kHz AERONAUTICAL MOBILE (OR)	15 010-15 100 kHz AERONAUTICAL MOBILE (OR)		
15 100-15 600 kHz BROADCASTING	15 100-15 600 kHz BROADCASTING	Sound Broadcasting	
15 600-15 800 kHz BROADCASTING 5.134 5.146	15 600-15 800 kHz BROADCASTING 5.134 5.146	Sound Broadcasting	
15 800-16 100 kHz FIXED	15 800-16 100 kHz FIXED		
16 100-16 200 kHz FIXED Radiolocation 5.145A 5.145B	16 100-16 200 kHz FIXED Radiolocation 5.145A		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
16 200-16 360 kHz FIXED	16 200-16 360 kHz FIXED		
16 360-17 410 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145	16 360-17 410 kHz MARITIME MOBILE 5.109 5.110 5.132 5.145	DSC (GMDSS) Distress Watch keeping (16 804.5 kHz) Public Correspondence and transmission of meteorological bulletins and notices to navigators	Appendix 15 of ITU RR See Section 7 for details
17 410-17 480 kHz FIXED	17 410-17 480 kHz FIXED		
17 480-17 550 kHz BROADCASTING 5.134 5.146	17 480-17 550 kHz BROADCASTING 5.134 5.146	Sound Broadcasting	
17 550-17 900 kHz BROADCASTING	17 550-17 900 kHz BROADCASTING		
17 900-17 970 kHz AERONAUTICAL MOBILE (R)	17 900-17 970 kHz AERONAUTICAL MOBILE (R)		
17 970-18 030 kHz AERONAUTICAL MOBILE (OR)	17 970-18 030 kHz AERONAUTICAL MOBILE (OR)		
18 030-18 052 kHz FIXED	18 030-18 052 kHz FIXED		
18 052-18 068 kHz FIXED Space research	18 052-18 068 kHz FIXED Space research		
18 068-18 168 kHz	18 068-18 168 kHz		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
AMATEUR AMATEUR-SATELLITE 5.154	AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
18 168-18 780 kHz FIXED Mobile except aeronautical mobile	18 168-18 780 kHz FIXED Mobile except aeronautical mobile		
18 780-18 900 kHz MARITIME MOBILE	18 780-18 900 kHz MARITIME MOBILE		
18 900-19 020 kHz BROADCASTING 5.134 5.146	18 900-19 020 kHz BROADCASTING 5.134 5.146		
19 020-19 680 kHz FIXED	19 020-19 680 kHz FIXED		
19 680-19 800 kHz MARITIME MOBILE 5.132	19 680-19 800 kHz MARITIME MOBILE 5.132		
19 800-19 990 kHz FIXED	19 800-19 990 kHz FIXED		
19 990-19 995 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	19 990-19 995 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111		
19 995-20 010 kHz STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz) 5.111	19 995-20 010 kHz STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz) 5.111		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
20 010-21 000 kHz FIXED Mobile	20 010-21 000 kHz FIXED Mobile		
21 000-21 450 kHz AMATEUR AMATEUR-SATELLITE	21 000-21 450 kHz AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
21 450-21 850 kHz BROADCASTING	21 450-21 850 kHz BROADCASTING	Sound Broadcasting	
21 850-21 870 kHz FIXED 5.155A 5.155	21 850-21 870 kHz FIXED		
21 870-21 924 kHz FIXED 5.155B	21 870-21 924 kHz FIXED 5.155B		
21 924-22 000 kHz AERONAUTICAL MOBILE (R)	21 924-22 000 kHz AERONAUTICAL MOBILE (R)		
22 000-22 855 kHz MARITIME MOBILE 5.132 5.156	22 000-22 855 kHz MARITIME MOBILE 5.132	Public correspondence	See Section 7 for details
22 855-23 000 kHz FIXED 5.156	22 855-23 000 kHz FIXED		
23 000-23 200 kHz FIXED Mobile except aeronautical mobile (R) 5.156	23 000-23 200 kHz FIXED Mobile except aeronautical mobile (R)		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
23 200-23 350 kHz FIXED 5.156A AERONAUTICAL MOBILE (OR)	23 200-23 350 kHz FIXED 5.156A AERONAUTICAL MOBILE (OR)		
23 350-24 000 kHz FIXED MOBILE except aeronautical mobile 5.157	23 350-24 000 kHz FIXED MOBILE except aeronautical mobile 5.157		
24 000-24 450 kHz FIXED LAND MOBILE	24 000-24 450 kHz FIXED LAND MOBILE		
24 450-24 600 kHz FIXED LAND MOBILE Radiolocation 5.132A 5.158	24 450-24 600 kHz FIXED LAND MOBILE Radiolocation 5.132A		
24 600-24 890 kHz FIXED LAND MOBILE	24 600-24 890 kHz FIXED LAND MOBILE		
24 890-24 990 kHz AMATEUR AMATEUR-SATELLITE	24 890-24 990 kHz AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
24 990-25 005 kHz STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)	24 990-25 005 kHz STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)		
25 005-25 010 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research	25 005-25 010 kHz STANDARD FREQUENCY AND TIME SIGNAL Space research		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
25 010-25 070 kHz FIXED MOBILE except aeronautical mobile	25 010-25 070 kHz FIXED MOBILE except aeronautical mobile		
25 070-25 210 kHz MARITIME MOBILE	25 070-25 210 kHz MARITIME MOBILE		
25 210-25 550 kHz FIXED MOBILE except aeronautical mobile	25 210-25 550 kHz FIXED MOBILE except aeronautical mobile		
25 550-25 670 kHz RADIO ASTRONOMY 5.149	25 550-25 670 kHz RADIO ASTRONOMY 5.149		
25 670-26 100 kHz BROADCASTING	25 670-26 100 kHz BROADCASTING	Sound Broadcasting	
26 100-26 175 kHz MARITIME MOBILE 5.132	26 100-26 175 kHz MARITIME MOBILE 5.132		
26 175-26 200 kHz FIXED MOBILE except aeronautical mobile	26 175-26 200 kHz FIXED MOBILE except aeronautical mobile	Single Frequency Mobile	
26 200-26 350 kHz FIXED MOBILE except aeronautical mobile Radiolocation 5.132A 5.133A	26 200-26 350 kHz FIXED MOBILE except aeronautical mobile Radiolocation 5.132A	Single Frequency Mobile	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
26 350-27 500 kHz FIXED MOBILE except aeronautical mobile 5.150	26 350-27 500 kHz FIXED MOBILE except aeronautical mobile 5.150	Single Frequency Mobile Inductive Loop Systems, Non-specific SRD's (26.957 – 27.283 MHz) Surface Model Control (26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz)	Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
27.5-28 MHz METEOROLOGICAL AIDS FIXED MOBILE	27.5-28 MHz METEOROLOGICAL AIDS FIXED MOBILE	Radio Sounding	
28-29.7 MHz AMATEUR AMATEUR-SATELLITE	28-29.7 MHz AMATEUR AMATEUR-SATELLITE		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
29.7-30.005 MHz FIXED MOBILE	29.7-30.005 MHz FIXED MOBILE Amateur NF1	Single frequency mobile (29.7-29.99 MHz) Government Services	Amateur – disaster and emergencies Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
30.005-30.01 MHz SPACE OPERATION (satellite identification) FIXED MOBILE	30.005-30.01 MHz SPACE OPERATION (satellite identification) FIXED MOBILE	Government Services	