

### 3 Table of frequency allocations

| ITU Region 1 allocations and footnotes                               | South African allocations and footnotes                              | Typical Applications  | Notes and Comments  |
|--|--|---|---|
| <b>Below 8.3 kHz</b><br>(Not allocated)<br>5.53 5.54                 | <b>Below 8.3 kHz</b><br>(Not allocated)<br>5.53 5.54                 |   | Frequency bands below 8.3 kHz are not allocated in South Africa   |
| <b>8.3-9 kHz</b><br>METEOROLOGICAL AIDS<br>5.54A 5.54B 5.54C         | <b>8.3-9 kHz</b><br>METEOROLOGICAL AIDS<br>5.54A 5.54B 5.54C         | Thunderstorm detection stations   |   |
| <b>9-11.3 kHz</b><br>METEOROLOGICAL AIDS<br>5.54A<br>RADIONAVIGATION | <b>9-11.3 kHz</b><br>METEOROLOGICAL AIDS<br>5.54A<br>RADIONAVIGATION | Thunderstorm detection stations<br><br>Navigational Aids<br>Inductive Loop Systems (9 – 135 kHz)                                  | Radio Frequency Spectrum Regulations as amended () (GG. No. 38641, 30 March 2015).  |
| <b>11.3-14 kHz</b><br>RADIONAVIGATION                                | <b>11.3-14 kHz</b><br>RADIONAVIGATION                                | Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 <sup>4</sup> |
| <b>14-19.95 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>5.55 5.56    | <b>14-19.95 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>5.56         | Maritime mobile communications<br><br>Inductive Loop Systems (9 – 135 kHz) SRDs – inductive short-                                | Radio Frequency Spectrum Régulations as amended (Annexe B)  |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes  | Typical Applications  | Notes and Comments   |
|---|--|---|--|
|   |  | range radiocommunications (9 kHz-135 kHz)   | (GG. No. 38641, 30 March 2015). SRDs - see ITU-R Rec.SM. 2153  |
| <b>19.95-20.05 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)                                     | <b>19.95-20.05 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)                                | Inductive Loop Systems (9 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)  | Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015) SRDs - see ITU-R Rec.SM. 1896     |
| <b>20.05-70 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br><br><br><br><br><br><br><br><br><br><br>5.56 5.58 | <b>20.05-70 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br><br><br><br><br><br><br><br><br><br><br>5.56 | Maritime mobile communications<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (59.75 – 60.25 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No., 38641 March 2015) SRDs - see ITU-R Rec.SM. 1896        |
| <b>70-72 kHz</b><br>RADIONAVIGATION 5.60  | <b>70-72 kHz</b><br>RADIONAVIGATION 5.60   | Navigational Aids<br><br>Inductive Loop Systems (9-135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)                     | Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 386410 March 2015)<br><br>SRDs - see ITU-R Rec.SM. 1896 |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications  | Notes and Comments   |
|---|---|---|--|
| <b>72-84 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>RADIONAVIGATION 5.60<br><br>5.56 | <b>72-84 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>RADIONAVIGATION 5.60<br><br>5.56 | Maritime mobile communications<br>Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>84-86 kHz</b><br>RADIONAVIGATION 5.60  | <b>84-86 kHz</b><br>RADIONAVIGATION 5.60  | Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)                                   | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). SRDs - see ITU-R Rec.SM. 1896                |
| <b>86-90 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>RADIONAVIGATION                  | <b>86-90 kHz</b><br>FIXED<br>MARITIME MOBILE 5.57<br>RADIONAVIGATION                  | Maritime mobile communications<br>Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015)<br>SRDs - see ITU-R Rec.SM. 1896              |

| ITU Region 1 allocations and footnotes                            | South African allocations and footnotes                           | Typical Applications  | Notes and Comments  |
|---|---|---|---|
| 5.56  | 5.56  |   |   |
| <b>90-110 kHz</b><br>RADIONAVIGATION 5.62<br>Fixed                | <b>90-110 kHz</b><br>RADIONAVIGATION 5.62<br>Fixed                | Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications(9 kHz-135 kHz)                                    | Radio Frequency Spectrum Regulations (Annexe B) (GG. No. 38641, 30 March 2015). |
| 5.64  | 5.64  |   |   |
| <b>110-112 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION | <b>110-112 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION | Maritime mobile communications<br>Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No. 38641, 30 March 2015).  |
| 5.64  | 5.64  |   |   |
| <b>112-115 kHz</b><br>RADIONAVIGATION 5.60                        | <b>112-115 kHz</b><br>RADIONAVIGATION 5.60                        | Navigational Aids   |   |
| 5.60  | 5.60  |   |   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes  | Typical Applications  | Notes and Comments   |
|---|--|---|--|
|   |  | Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)  | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>115-117.6 kHz</b><br>RADIONAVIGATION 5.60<br>Fixed<br>Maritime mobile<br><br>5.64 5.66 | <b>115-117.6 kHz</b><br>RADIONAVIGATION 5.60<br>Fixed<br>Maritime mobile<br><br>5.64 | Navigational Aids<br><br>Maritime mobile communications<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>117.6-126 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION 5.60<br><br>5.64      | <b>117.6-126 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION 5.60<br><br>5.64 | Maritime mobile communications<br>Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)     | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>126-129 kHz</b><br>RADIONAVIGATION 5.60  | <b>126-129 kHz</b><br>RADIONAVIGATION 5.60   | Navigational Aids   |  |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications  | Notes and Comments   |
|--|--|---|--|
|  |  | Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)  | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>129-130 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION 5.60<br><br>5.64 | <b>129-130 kHz</b><br>FIXED<br>MARITIME MOBILE<br>RADIONAVIGATION 5.60<br><br>5.64 | Maritime mobile communications<br>Navigational Aids<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>130-135.7 kHz</b><br>FIXED<br>MARITIME MOBILE<br><br>5.64 5.67                  | <b>130-135.7 kHz</b><br>FIXED<br>MARITIME MOBILE<br><br>5.64                       | Maritime mobile communications<br><br>Inductive Loop Systems (9 – 135 kHz) RFID (70 – 135 kHz)<br>SRDs – inductive short-range radiocommunications (9 kHz-135 kHz)                      | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>SRDs - see ITU-R Rec.SM. 1896 |
| <b>135.7-137.8 kHz</b><br><br>FIXED  | <b>135.7-137.8 kHz</b><br><br>FIXED  |   |  |

| ITU Region 1 allocations and footnotes                                  | South African allocations and footnotes                            | Typical Applications                      | Notes and Comments  |
|---|--|---|---|
| MARITIME MOBILE<br>Amateur 5.67A<br><br>5.64 5.67 5.67B                 | MARITIME MOBILE<br>Amateur 5.67A<br><br>5.64                       | Maritime mobile communications<br>Amateur | Amateur (135.7-137.8 kHz) services are limited to maximum radiated power of 1 W (e.i.r.p).<br><br>Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>137.8-148.5 kHz</b><br><br>FIXED<br>MARITIME MOBILE<br><br>5.64 5.67 | <b>137.8-148.5 kHz</b><br><br>FIXED<br>MARITIME MOBILE<br><br>5.64 | Maritime mobile communications            |   |
| <b>148.5-255 kHz</b><br><br>BROADCASTING<br>5.68 5.69 5.70              | <b>148.5-160 kHz</b><br><br>BROADCASTING                           | Broadcasting                              | The Terrestrial Broadcasting Frequency Plan as amended (GG No.36321) 02 April 2013. Frequency Assignment Plan (GE75) applies.   |
|   | <b>160-200 kHz</b><br>FIXED<br>5.68                                |   |   |
|   | <b>200-255 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION<br>5.70  |   |   |
| <b>255-283.5 kHz</b><br><br>BROADCASTING                                | <b>255-283.5 kHz</b>   |   |   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications   | Notes and Comments |
|---|---|--|--------------------|
| AERONAUTICAL<br>RADIONAVIGATION<br><br>5.70 5.71  | AERONAUTICAL<br>RADIONAVIGATION<br><br>5.70   | Navigational Aids  |                    |
| <b>283.5-315 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION<br>MARITIME<br>RADIONAVIGATION<br>(radiobeacons) 5.73<br><br>5.74 | <b>283.5-315 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION<br>MARITIME<br>RADIONAVIGATION<br>(radiobeacons) 5.73<br><br>5.74 | Navigational Aids  |                    |
| <b>315-325 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION<br>Maritime radionavigation<br>(radiobeacons) 5.73<br><br>5.75      | <b>315-325 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION<br>Maritime radionavigation<br>(radiobeacons) 5.73                  | Navigational Aids<br>Coast Radio Telegraph Stations<br>Radionavigation |                    |
| <b>325-405 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION   | <b>325-405 kHz</b><br><br>AERONAUTICAL<br>RADIONAVIGATION   | Navigational Aids  |                    |
| <b>405-415 kHz</b><br><br>RADIONAVIGATION 5.76  | <b>405-415 kHz</b><br><br>RADIONAVIGATION 5.76  | Navigational Aids  |                    |



| ITU Region 1 allocations and footnotes   | South African allocations and footnotes   | Typical Applications  | Notes and Comments |
|--|---|---|--------------------|
| <b>415-435 kHz</b><br><br>MARITIME MOBILE 5.79<br>AERONAUTICAL<br>RADIONAVIGATION                                      | <b>415-435 kHz</b><br><br>MARITIME MOBILE 5.79<br>AERONAUTICAL<br>RADIONAVIGATION<br><br>5.82               | Maritime mobile communications<br><br>Under the MMS the use of the band 415-495 kHz is limited to radiotelegraphy   |                    |
| <b>435-472 kHz</b><br><br>MARITIME MOBILE 5.79<br>Aeronautical radionavigation 5.77<br><br>5.82                        | <b>435-472 kHz</b><br><br>MARITIME MOBILE 5.79<br>Aeronautical radionavigation<br><br>5.82                  | Maritime mobile communications<br>Coast Stations in the NAVTEX service on 490 kHz; Res.339 applies. Transmission of navigational and meteorological warnings and urgent info for ships (NBDP telegraphy). Articles 31 and 52 apply. |                    |
| <b>472-479 kHz</b><br><br>MARITIME MOBILE 5.79<br>Amateur 5.80A<br>Aeronautical radionavigation 5.77<br><br>5.80B 5.82 | <b>472-479 kHz</b><br><br>MARITIME MOBILE 5.79<br>Amateur 5.80A<br>Aeronautical radionavigation<br><br>5.82 | Navigational Aids   |                    |
| <b>479-495 kHz</b><br><br>MARITIME MOBILE 5.79 5.79A<br>Aeronautical radionavigation 5.77<br><br>5.82                  | <b>479-495 kHz</b><br><br>MARITIME MOBILE 5.79 5.79A<br>Aeronautical radionavigation<br><br>5.82            | NAVTEX service on 490 kHz<br>Article 31 and 32  |                    |
| <b>495-505 kHz</b>   | <b>495-505 kHz</b>  |   |                    |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications  | Notes and Comments   |
|---|---|---|--|
| MARITIME MOBILE   | MARITIME MOBILE   | Limited to radiotelegraphy;<br>Articles 31 and 52 apply.  |  |
| <b>505-526.5 kHz</b><br><br>MARITIME MOBILE 5.79 5.79A<br>5.84<br><br><br>AERONAUTICAL<br>RADIONAVIGATION | <b>505-526.5 kHz</b><br><br>MARITIME MOBILE 5.79 5.79A<br>5.84<br><br><br>AERONAUTICAL<br>RADIONAVIGATION | Maritime mobile communications<br>Maritime Radio Telegraphy<br>NAVTEX service on 518 kHz<br>Article 31 and 32<br>Coast Stations in the NAVTEX<br>service on 518 kHz; Res.339<br>applies. Articles 31 and 52<br>apply. Under the MMS the use<br>of the band 505-526.5 kHz is<br>limited to radiotelegraphy.<br><br>Navigational Aids |  |
| <b>526.5-1 606.5 kHz</b><br><br>BROADCASTING<br><br><br><br><br><br>5.87 5.87A                            | <b>526.5-1 606.5 kHz</b><br><br>BROADCASTING  | Medium Wave Sound<br>Broadcasting (535.5 -1606.5<br>kHz)<br><br>Inductive Loop Systems (740 –<br>8800 kHz)  | The Terrestrial Broadcasting<br>Frequency Plan as amended (GG<br>No. 36321) 02 April 2013<br><br>Radio Frequency Spectrum<br>Regulations (Annex B) (GG.<br>No.38641, 30 March 2015). |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes  | Typical Applications   | Notes and Comments |
|---|--|--|--------------------|
| <b>1 606.5-1 625 kHz</b><br><br>FIXED<br>MARITIME MOBILE 5.90<br>LAND MOBILE<br><br>5.92    | <b>1 606.5-1 625 kHz</b><br><br>FIXED<br>MARITIME MOBILE 5.90<br>LAND MOBILE<br><br>5.92 | Maritime mobile communications<br>Land mobile communications |                    |
| <b>1 625-1 635 kHz</b><br><br>RADIOLOCATION<br><br>5.93                                     | <b>1 625-1 635 kHz</b><br><br>RADIOLOCATION  | Navigational Aids  |                    |
| <b>1 635-1 800 kHz</b><br><br>FIXED<br>MARITIME MOBILE 5.90<br>LAND MOBILE<br><br>5.92 5.96 | <b>1 635-1 800 kHz</b><br><br>FIXED<br>MARITIME MOBILE 5.90<br>LAND MOBILE<br><br>5.92   | Maritime mobile communications<br>Land mobile communications |                    |
| <b>1 800-1 810 kHz</b><br><br>RADIOLOCATION<br><br>5.93                                     | <b>1 800-1 810 kHz</b><br><br>RADIOLOCATION  | Navigational Aids  |                    |
| <b>1 810-1 850 kHz</b><br><br>AMATEUR   | <b>1 810-1 850 kHz</b><br><br>AMATEUR  | Amateur communications                                       |                    |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications  | Notes and Comments   |
|---|---|---|--|
| 5.98 5.99 5.100   |   |   | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).  |
| <b>1 850-2 000 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile                                      | <b>1 850-2 000 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile                                      | Maritime mobile applications.<br>Maritime mobile communications<br>Land mobile communications<br>Amateur communications | 1850-1950 kHz is used for Maritime Coast Stations; 1950-2045 kHz is used by ship stations SSB Radio Telephony. Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| 5.92 5.96 5.103   | 5.92 5.103  |   |  |
| <b>2 000-2 025 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)                                  | <b>2 000-2 025 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)                                  | Maritime mobile communications<br>Land mobile communications  | 1950-2045 kHz is used by ship stations SSB Radio Telephony   |
| 5.92 5.103  | 5.92 5.103  |   |  |
| <b>2 025-2 045 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)<br><br>Meteorological aids 5.104 | <b>2 025-2 045 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)<br><br>Meteorological aids 5.104 | Maritime mobile communications<br><br>Limited to Oceanographic buoy stations  | 1950-2045 kHz is used by ship stations SSB Radio Telephony   |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments         |
|--|--|--|----------------------------|
| 5.92 5.103   | 5.92 5.103   |  |                            |
| <b>2 045-2 160 kHz</b><br><br>FIXED<br>MARITIME MOBILE<br>LAND MOBILE<br><br>5.92          | <b>2 045-2 160 kHz</b><br><br>FIXED<br>MARITIME MOBILE<br>LAND MOBILE<br><br>5.92          | Maritime mobile communications<br>Land mobile communications   |                            |
| <b>2 160-2 170 kHz</b><br><br>RADIOLOCATION<br><br>5.93 5.107                              | <b>2 160-2 170 kHz</b><br><br>RADIOLOCATION  | Navigational Aids  |                            |
| <b>2 170-2 173.5 kHz</b><br><br>MARITIME MOBILE  | <b>2 170-2 173.5 kHz</b><br><br>MARITIME MOBILE  | Maritime mobile communications   |                            |
| <b>2 173.5-2 190.5 kHz</b><br><br>MOBILE (distress and calling)<br>5.108 5.109 5.110 5.111 | <b>2 173.5-2 190.5 kHz</b><br><br>MOBILE (distress and calling)<br>5.108 5.109 5.110 5.111 | Distress & Watch keeping (2182 kHz)<br>2 182 kHz is an international distress and calling frequency for radiotelephony.<br>2 187.5 kHz – DSC for distress and calling; Article 31 applies. | Articles 31 and 52 applies |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications  | Notes and Comments                              |
|---|---|---|---|
|   |   | 2 174.5 kHz – international distress frequency for NBDP telegraphy; Article 31 applies. |   |
| <b>2 190.5-2 194 kHz</b><br>MARITIME MOBILE   | <b>2 190.5-2 194 kHz</b><br>MARITIME MOBILE   | Maritime mobile communications  |   |
| <b>2 194-2 300 kHz</b><br>FIXED<br>MOBILE except aeronautical mobile (R)<br><br>5.92 5.103 5.112            | <b>2 194-2 300 kHz</b><br>FIXED<br>MOBILE except aeronautical mobile (R)<br><br>5.92 5.103                  | Maritime mobile communications<br>Land mobile communications                            |   |
| <b>2 300-2 498 kHz</b><br>FIXED<br>MOBILE except aeronautical mobile (R)<br>BROADCASTING 5.113<br><br>5.103 | <b>2 300-2 498 kHz</b><br>FIXED<br>MOBILE except aeronautical mobile (R)<br>BROADCASTING 5.113<br><br>5.103 | Land Mobile and Maritime applications<br>Sound Broadcasting                             | Terrestrial Broadcasting<br>Frequency Plan 2013 |
| <b>2 498-2 501 kHz</b><br>STANDARD FREQUENCY<br>AND TIME SIGNAL (2 500 kHz)                                 | <b>2 498-2 501 kHz</b><br>STANDARD FREQUENCY<br>AND TIME SIGNAL (2 500 kHz)                                 |   |   |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments |
|--|--|--|--------------------|
| <p><b>2 501-2 502 kHz</b></p> <p>STANDARD FREQUENCY AND TIME SIGNAL<br/>Space Research</p>                   | <p><b>2 501-2 502 kHz</b></p> <p>STANDARD FREQUENCY AND TIME SIGNAL<br/>Space Research</p>             |  |                    |
| <p><b>2 502-2 625 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile (R)</p> <p>5.92 5.103 5.114</p> | <p><b>2 502-2 625 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile (R)</p> <p>5.92 5.103</p> | Land Mobile and Maritime applications  |                    |
| <p><b>2 625-2 650 kHz</b></p> <p>MARITIME MOBILE<br/>MARITIME<br/>RADIONAVIGATION</p> <p>5.92</p>            | <p><b>2 625-2 650 kHz</b></p> <p>MARITIME MOBILE<br/>MARITIME<br/>RADIONAVIGATION</p> <p>5.92</p>      | Sonobuoys<br>Maritime mobile communications  |                    |
| <p><b>2 650-2 850 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile (R)</p> <p>5.92 5.103</p>       | <p><b>2 650-2 850 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile (R)</p> <p>5.92 5.103</p> | Fixed Services links<br>Maritime mobile communications<br>Land mobile communications |                    |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications  | Notes and Comments  |
|--|--|---|---|
| <p><b>2 850-3 025 kHz</b></p> <p>AERONAUTICAL MOBILE (R)</p> <p>5.111 5.115</p>                            | <p><b>2 850-3 025 kHz</b></p> <p>AERONAUTICAL MOBILE (R)</p> <p>5.111 5.115</p>                      | <p>Aeronautical mobile (R)</p> <p>3 023 kHz may be used under the MMS for search and rescue operations (see Article 31)</p>           | <p>Appendix 27 Allotment Plan applies</p>   |
| <p><b>3 025-3 155 kHz</b></p> <p>AERONAUTICAL MOBILE (OR)</p>  | <p><b>3 025-3 155 kHz</b></p> <p>AERONAUTICAL MOBILE (OR)</p>  | <p>Aeronautical mobile (OR)</p>   | <p>Appendix 26 Allotment Plan applies</p>   |
| <p><b>3 155-3 200 kHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile (R)</p> <p>5.116 5.117</p> | <p><b>3 155-3 200 kHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile (R)</p> <p>5.116</p> | <p>Maritime mobile communications</p> <p>Land mobile communications</p> <p>SRD<sup>5</sup></p> <p>Low power wireless hearing aids</p> | <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).</p> <p>Worldwide channel for low power hearing aids (3155 to 3195 kHz). Additional channels may be assigned in the band 3155 – 3400 kHz.</p> |
| <p><b>3 200-3 230 kHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile (R)</p>                    | <p><b>3 200-3 230 kHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile (R)</p>              | <p>Maritime mobile communications</p>   |   |

<sup>5</sup> [http://www.crasa.org/common\\_up/crasa-setup/06-07-2015\\_SADC%20FREQUENCIES%20FOR%20SHORT%20RANGE%20DEVICE%20\(SRDs\)%20CRASA%20%202011%20-ANNEXURE%20B%20AND%20C.pdf](http://www.crasa.org/common_up/crasa-setup/06-07-2015_SADC%20FREQUENCIES%20FOR%20SHORT%20RANGE%20DEVICE%20(SRDs)%20CRASA%20%202011%20-ANNEXURE%20B%20AND%20C.pdf)



| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications   | Notes and Comments   |
|---|---|--|--|
| BROADCASTING 5.113<br><br>5.116   | BROADCASTING 5.113<br><br>5.116   | Land mobile communications<br><br>HF Sound Broadcasting<br>Low power wireless hearing aids | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>Worldwide channel for low power hearing aids (3155 to 3195 kHz).<br>Additional channels may be assigned in the band 3155 – 3400 kHz. |
| <b>3 230-3 400 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile<br>BROADCASTING 5.113<br><br>5.116 | <b>3 230-3 400 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile<br>BROADCASTING 5.113<br><br>5.116 | HF Sound Broadcasting<br>Low power wireless hearing aids                                   | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>Worldwide channel for low power hearing aids (3155 to 3195 kHz).<br>Additional channels may be assigned in the band 3155 – 3400 kHz.  |
| <b>3 400-3 500 kHz</b><br><br>AERONAUTICAL MOBILE (R)   | <b>3 400-3 500 kHz</b><br><br>AERONAUTICAL MOBILE (R)   | Aeronautical mobile (R)  | Appendix 27 Allotment Plan applies   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications  | Notes and Comments  |
|---|---|---|---|
| <b>3 500-3 800 kHz</b><br><br>AMATEUR<br>FIXED<br>MOBILE except aeronautical mobile<br><br>5.92 | <b>3 500-3 800 kHz</b><br><br>AMATEUR<br>FIXED<br>MOBILE except aeronautical mobile<br><br>5.92 | Amateur communications<br><br>Maritime communications<br>Land mobile communications | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>3 800-3 900 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE                  | <b>3 800-3 900 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE                  | Aeronautical mobile (OR)  | Appendix 26 Allotment Plan applies  |
| <b>3 900-3 950 kHz</b><br><br>AERONAUTICAL MOBILE (OR)<br><br>5.123                             | <b>3 900-3 950 kHz</b><br><br>AERONAUTICAL MOBILE (OR)<br>BROADCASTING 5.123                    | Aeronautical mobile (OR)  | Appendix 26 Allotment Plan applies  |
| <b>3 950-4 000 kHz</b><br><br>FIXED<br>BROADCASTING   | <b>3 950-4 000 kHz</b><br><br>FIXED<br>BROADCASTING   | HF Sound Broadcasting   | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013       |
| <b>4 000-4 063 kHz</b><br><br>FIXED   | <b>4 000-4 063 kHz</b><br><br>FIXED   |   |   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes  | Typical Applications  | Notes and Comments  |
|---|--|---|---|
| MARITIME MOBILE 5.127<br><br>5.126  | MARITIME MOBILE 5.127  | Maritime mobile communications<br>Use of the band 4000-4063 kHz by the MMS is limited to ship stations using radiotelephony   |   |
| <b>4 063-4 438 kHz</b><br><br>MARITIME MOBILE 5.79A<br>5.109 5.110 5.130 5.131 5.132<br><br>5.128 | <b>4 063-4 438 kHz</b><br><br>MARITIME MOBILE 5.79A 5.109<br>5.110 5.130 5.131 5.132 | Maritime mobile communications<br>4209.5 kHz - Coast Stations in the NAVTEX service; Res.339 applies. Articles 31 and 52 apply.<br>4207.5 kHz – DSC for distress and calling; Article 31 applies.<br>4177.5 kHz – international distress frequency for NBDP telegraphy; Article 31 applies.<br>4125 kHz – use of this frequency prescribed in Article 31.<br>4209.5 kHz – exclusive for transmission by coast stations of meteorological and navigational warnings and urgent information to ships (NBDP).<br>4210 kHz – maritime safety information (MSI); App.17 applies. | See Section 7 for details<br>ITU RR Appendix 17 Channelling Plan applies<br>ITU RR Appendix 25 Allotment Plan applies |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications                                  | Notes and Comments                 |
|--|--|---|------------------------------------|
| <b>4 438-4 488 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)<br>Radiolocation 5.132A<br><br>5.132B | <b>4 438-4 488 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)<br>Radiolocation 5.132A | Maritime communications<br>Land mobile communications |                                    |
| <b>4 488-4 650 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)                                       | <b>4 488-4 650 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R)                         | Aeronautical mobile                                   | Appendix 27 Allotment Plan applies |
| <b>4 650-4 700 kHz</b><br><br>AERONAUTICAL MOBILE (R)  | <b>4 650-4 700 kHz</b><br><br>AERONAUTICAL MOBILE (R)  | Aeronautical mobile                                   | Appendix 26 Allotment Plan applies |
| <b>4 700-4 750 kHz</b><br><br>AERONAUTICAL MOBILE (OR)   | <b>4 700-4 750 kHz</b><br><br>AERONAUTICAL MOBILE (OR)   | Aeronautical mobile                                   | Appendix 26 Allotment Plan applies |
| <b>4 750-4 850 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE                                     | <b>4 750-4 850 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE                       | Aeronautical mobile<br>Land mobile                    | Appendix 26 Allotment Plan applies |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications                 | Notes and Comments  |
|---|---|--------------------------------------|---|
| BROADCASTING 5.113  | BROADCASTING 5.113  | HF Sound Broadcasting                | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013 |
| <b>4 850-4 995 kHz</b><br><br>FIXED<br>LAND MOBILE<br>BROADCASTING 5.113              | <b>4 850-4 995 kHz</b><br><br>FIXED<br>LAND MOBILE<br>BROADCASTING 5.113              | Land mobile<br>HF Sound Broadcasting | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013 |
| <b>4 995-5 003 kHz</b><br><br>STANDARD FREQUENCY AND<br>TIME SIGNAL (5 000 kHz)       | <b>4 995-5 003 kHz</b><br><br>STANDARD FREQUENCY AND<br>TIME SIGNAL (5 000 kHz)       |                                      |   |
| <b>5 003-5 005 kHz</b><br><br>STANDARD FREQUENCY AND<br>TIME SIGNAL<br>Space research | <b>5 003-5 005 kHz</b><br><br>STANDARD FREQUENCY AND<br>TIME SIGNAL<br>Space research |                                      |   |
| <b>5 005-5 060 kHz</b><br><br>FIXED<br>BROADCASTING 5.113                             | <b>5 005-5 060 kHz</b><br><br>FIXED<br>BROADCASTING 5.113                             | HF Sound Broadcasting                | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013 |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments  |
|--|--|--|---|
| <b>5 060-5 250 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile<br><br>5.133                          | <b>5 060-5 250 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile                         | SADC harmonised HF frequencies for cross-border mobile communications;                                     |   |
| <b>5 250-5 275 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile<br>Radiolocation 5.132A<br><br>5.133A | <b>5 250-5 275 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile<br>Radiolocation 5.132A | SADC <sup>6</sup> harmonised HF frequencies for cross-border mobile communications;<br>Oceanographic Radar | Oceanographic Radars are used in accordance with ITU Resolution 612 (Rev WRC-12). |
| <b>5 275-5 351.5 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile                                     | <b>5 275- 5 351.5 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile<br>Amateur NF0       | Amateur communications   |   |
| 5 351.5-5 366.5 kHz  | 5 351.5-5 366.5 kHz  |  |   |

<sup>6</sup> [http://www.crasa.org/common\\_up/crasa-setup/10-03-2015\\_SADC%20FREQUENCY%20BAND%20%202013.pdf](http://www.crasa.org/common_up/crasa-setup/10-03-2015_SADC%20FREQUENCY%20BAND%20%202013.pdf)

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments   |
|--|--|------------------------|--|
| FIXED<br>MOBILE except aeronautical mobile<br>Amateur 5.133B                   | FIXED<br>MOBILE except aeronautical mobile<br>Amateur 5.133B NF0               | Amateur communications |  |
| 5 366.5-5 450 kHz<br><br>FIXED<br>MOBILE except aeronautical mobile            | 5 366.5-5 450 kHz<br><br>FIXED<br>MOBILE except aeronautical mobile            |                        |  |
| <b>5 450-5 480 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE | <b>5 450-5 480 kHz</b><br><br>FIXED<br>AERONAUTICAL MOBILE (OR)<br>LAND MOBILE | Aeronautical mobile    | Appendix 27 Allotment plan applies   |
| <b>5 480-5 680 kHz</b><br><br>AERONAUTICAL MOBILE (R)<br><br>5.111 5.115       | <b>5 480-5 680 kHz</b><br><br>AERONAUTICAL MOBILE (R)<br><br>5.111 5.115       | Aeronautical mobile    | Appendix 27 Allotment plan applies   |
| <b>5 680-5 730 kHz</b><br><br>AERONAUTICAL MOBILE (OR)                         | <b>5 680-5 730 kHz</b><br><br>AERONAUTICAL MOBILE (OR)                         | Aeronautical mobile    | Appendix 27 Allotment plan applies<br>Common international SRD band;<br>see ITU-R Rec.SM |

| ITU Region 1 allocations and footnotes                        | South African allocations and footnotes  | Typical Applications  | Notes and Comments   |
|---|--|---|--|
| 5.111 5.115   | 5.111 5.115  | 5 680 kHz may be used under the MMS for search and rescue operations (see Article 31).<br>6215 kHz – use of this frequency prescribed in Article 31.<br>SRD <sup>7</sup> applications (6 765-6 795 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).  |
| <b>5 730-5 900 kHz</b><br><br>FIXED<br>LAND MOBILE            | <b>5 730-5 900 kHz</b><br><br>FIXED<br>LAND MOBILE                                   | Land mobile communications  |  |
| <b>5 900-5 950 kHz</b><br><br>BROADCASTING 5.134<br><br>5.136 | <b>5 900-5 950 kHz</b><br><br>BROADCASTING 5.134<br>Fixed 5.136<br>Land Mobile 5.136 | HF Sound Broadcasting   | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>Article 12 Planning Procedures and Res.517 apply. |
| <b>5 950-6 200 kHz</b><br><br>BROADCASTING                    | <b>5 950-6 200 kHz</b><br><br>BROADCASTING   | HF Sound Broadcasting   | Article 12 Planning Procedures and Res.517 apply.  |

<sup>7</sup> [http://www.crasa.org/common\\_up/crasa-setup/06-07-2015\\_FRAME%20WORK%20FOR%20HARMONISATION%20FREQUENCIES%20FOR%20SHORT%20RANGE%20DEVICES%20OF%20SHORT%20RANGE%20DEVICES%20\(SRDs\)%20-%20ANNEXURE%20A.pdf](http://www.crasa.org/common_up/crasa-setup/06-07-2015_FRAME%20WORK%20FOR%20HARMONISATION%20FREQUENCIES%20FOR%20SHORT%20RANGE%20DEVICES%20OF%20SHORT%20RANGE%20DEVICES%20(SRDs)%20-%20ANNEXURE%20A.pdf)



| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments   |
|--|--|--|--|
| <p><b>6 200-6 525 kHz</b></p> <p>MARITIME MOBILE 5.109 5.110<br/>5.130 5.132</p> <p>5.137</p>                      | <p><b>6 200-6 525 kHz</b></p> <p>MARITIME MOBILE 5.109 5.110<br/>5.130 5.132</p> <p>5.137</p>                | <p>Maritime mobile communications<br/>6312 kHz and 6215 kHz – DSC<br/>for distress and calling; Article<br/>31 applies<br/>6268 kHz – international distress<br/>frequency for NBDP<br/>telegraphy; Article 31 applies.<br/>6314 kHz – maritime safety<br/>information (MSI); App.17<br/>applies</p> | <p>ITU RR Appendix 17 Channelling<br/>Plan applies<br/>ITU RR Appendix 25 Allotment<br/>Plan applies</p> |
| <p><b>6 525-6 685 kHz</b></p> <p>AERONAUTICAL MOBILE (R)</p>   | <p><b>6 525-6 685 kHz</b></p> <p>AERONAUTICAL MOBILE (R)</p>   | <p>Aeronautical mobile<br/>communications</p>  | <p>Appendix 27 Allotment Plan applies</p>  |
| <p><b>6 685-6 765 kHz</b></p> <p>AERONAUTICAL MOBILE (OR)</p>  | <p><b>6 685-6 765 kHz</b></p> <p>AERONAUTICAL MOBILE (OR)</p>  | <p>Aeronautical mobile<br/>communications</p>  | <p>Appendix 26 Allotment Plan applies</p>  |
| <p><b>6 765-7 000 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical<br/>mobile (R)</p> <p>5.138 5.138A 5.139</p> | <p><b>6 765-7 000 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical<br/>mobile (R)</p> <p>5.138 5.138A</p> | <p>Inductive Loop Systems (6765 –<br/>6795 kHz)</p>  |  |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications                                       | Notes and Comments   |
|--|--|--|--|
| <b>7 000-7 100 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE<br><br>5.140 5.141 5.141A | <b>7 000-7 100 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE   | Amateur communications<br>Amateur-satellite communications | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).  |
| <b>7 100-7 200 kHz</b><br><br>AMATEUR<br><br>5.141A 5.141B 5.141C 5.142              | <b>7 100-7 200 kHz</b><br><br>AMATEUR<br><br>5.141C 5.142  | Amateur communications                                     | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).  |
| <b>7 200-7 300 kHz</b><br><br>BROADCASTING   | <b>7 200-7 300 kHz</b><br><br>BROADCASTING   | HF Sound Broadcasting                                      | ITU RR Article 12 Planning Procedures applies  |
| <b>7 300-7 400 kHz</b><br><br>BROADCASTING 5.134<br><br>5.143 5.143A 5.143B 5.143C   | <b>7 300-7 400 kHz</b><br><br>BROADCASTING 5.134<br>Fixed 5.143 (7300-7350 kHz)<br>Land mobile 5.143 (7300-7350 kHz)<br><br>5.143B | HF Sound Broadcasting                                      | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>Article 12 Planning Procedures and Res.517 apply.<br>NINP basis to broadcasting<br>NINP basis to broadcasting |
| <b>7 400-7 450 kHz</b>   | <b>7 400-7 450 kHz</b>   |  |  |

| ITU Region 1 allocations and footnotes                                       | South African allocations and footnotes                                      | Typical Applications   | Notes and Comments  |
|--|--|--|---|
| BROADCASTING<br><br>5.143B 5.143C  | BROADCASTING<br><br>5.143B   | HF Sound Broadcasting<br><br>Inductive Loop Systems (7400 – 8800 kHz)  | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>Article 12 Planning Procedures and Res.517 apply.<br>Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>7 450-8 100 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R) | <b>7 450-8 100 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile (R) | Inductive Loop Systems (7400 – 8800 kHz)<br>SADC harmonised HF frequencies for cross-border mobile communications; | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).   |
| <b>8 100-8 195 kHz</b><br><br>FIXED<br>MARITIME MOBILE                       | <b>8 100-8 195 kHz</b><br><br>FIXED<br>MARITIME MOBILE                       | Maritime mobile communications<br><br>Inductive Loop Systems (7400 – 8800 kHz)                                     | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).   |
| <b>8 195-8 815 kHz</b><br>MARITIME MOBILE 5.109 5.110 5.132 5.145            | <b>8 195-8 815 kHz</b><br>MARITIME MOBILE 5.109 5.110 5.132 5.145            | Digital Selective Calling (GMDSS) Distress Watch keeping on 8414.5 kHz   | Appendix 15 of ITU RR<br><br>See Section 7 for details  |

| ITU Region 1 allocations and footnotes             | South African allocations and footnotes            | Typical Applications  | Notes and Comments  |
|--|--|---|---|
| 5.111  | 5.111  | Transmission of meteorological bulletins and notices to navigators<br>Inductive Loop Systems (7400 – 8800 kHz)<br>Maritime mobile communications<br>8414.5 kHz – DSC for distress and calling; Article 31 applies<br>8 376.5 kHz – international distress frequency for NBDP telegraphy; Article 31 applies.<br>8416.5 kHz – maritime safety information (MSI); App.17 applies. | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br><br>ITU RR Appendix 17 Channelling Plan applies<br>ITU RR Appendix 25 Allotment Plan applies |
| <b>8 815-8 965 kHz</b><br>AERONAUTICAL MOBILE (R)  | <b>8 815-8 965 kHz</b><br>AERONAUTICAL MOBILE (R)  | Aeronautical mobile communications  | Appendix 27 Allotment Plan applies  |
| <b>8 965-9 040 kHz</b><br>AERONAUTICAL MOBILE (OR) | <b>8 965-9 040 kHz</b><br>AERONAUTICAL MOBILE (OR) | Aeronautical mobile communications  | Appendix 26 Allotment Plan applies  |
| <b>9 040-9 305 kHz</b><br>FIXED                    | <b>9 040-9 305 kHz</b><br>FIXED                    | Fixed   |   |
| <b>9 305-9 355 kHz</b>                             | <b>9 305-9 355 kHz</b>                             |   |   |

| ITU Region 1 allocations and footnotes                        | South African allocations and footnotes                       | Typical Applications  | Notes and Comments   |
|---|---|-----------------------|--|
| FIXED<br>Radiolocation 5.145A<br><br>5.145B                   | FIXED<br>Radiolocation 5.145A                                 | Fixed                 |  |
| <b>9 355-9 400 kHz</b><br><br>FIXED                           | <b>9 355-9 400 kHz</b><br><br>FIXED                           |                       |  |
| <b>9 400-9 500 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146 | <b>9 400-9 500 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146 | HF Sound Broadcasting | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013  |
| <b>9 500-9 900 kHz</b><br><br>BROADCASTING<br><br>5.147       | <b>9 500-9 900 kHz</b><br><br>BROADCASTING<br><br>5.147       | HF Sound Broadcasting | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>ITU RR Article 12 Planning Procedures applies |
| <b>9 900-9 995 kHz</b><br><br>FIXED                           | <b>9 900-9 995 kHz</b><br><br>FIXED                           | Fixed                 |  |
| <b>9 995-10 003 kHz</b>                                       | <b>9 995-10 003 kHz</b>                                       |                       |  |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications   | Notes and Comments  |
|---|---|--|---|
| STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz)<br>5.111  | STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz)<br>5.111  |  |   |
| <b>10 003-10 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research<br><br>5.111 | <b>10 003-10 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research<br><br>5.111 | Passive sensing  |   |
| <b>10 005-10 100 kHz</b><br><br>AERONAUTICAL MOBILE (R)<br><br>5.111                              | <b>10 005-10 100 kHz</b><br><br>AERONAUTICAL MOBILE (R)<br><br>5.111                              | Aeronautical mobile communications                                     | Appendix 27 Allotment Plan applies  |
| <b>10 100-10 150 kHz</b><br><br>FIXED<br>Amateur  | <b>10 100-10 150 kHz</b><br><br>FIXED<br>Amateur  | Fixed<br>Amateur communications  | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>10 150-11 175 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile (R)                    | <b>10 150-11 175 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile (R)                    | SADC harmonised HF frequencies for cross-border mobile communications; |   |

| ITU Region 1 allocations and footnotes                      | South African allocations and footnotes                     | Typical Applications               | Notes and Comments                                |
|---|---|------------------------------------|---|
| <b>11 175-11 275 kHz</b><br>AERONAUTICAL MOBILE (OR)        | <b>11 175-11 275 kHz</b><br>AERONAUTICAL MOBILE (OR)        | Aeronautical mobile communications | Appendix 26 Allotment Plan applies                |
| <b>11 275-11 400 kHz</b><br>AERONAUTICAL MOBILE (R)         | <b>11 275-11 400 kHz</b><br>AERONAUTICAL MOBILE (R)         | Aeronautical mobile communications | Appendix 27 Allotment Plan applies                |
| <b>11 400-11 600 kHz</b><br>FIXED                           | <b>11 400-11 600 kHz</b><br>FIXED                           | Fixed                              |   |
| <b>11 600-11 650 kHz</b><br>BROADCASTING 5.134<br><br>5.146 | <b>11 600-11 650 kHz</b><br>BROADCASTING 5.134<br><br>5.146 | HF Sound Broadcasting              | Article 12 Planning Procedures and Res.517 apply. |
| <b>11 650-12 050 kHz</b><br>BROADCASTING<br><br>5.147       | <b>11 650-12 050 kHz</b><br>BROADCASTING<br><br>5.147       | HF Sound Broadcasting              | ITU RR Article 12 Planning Procedures applies     |
| <b>12 050-12 100 kHz</b><br>BROADCASTING 5.134              | <b>12 050-12 100 kHz</b><br>BROADCASTING 5.134              | HF Sound Broadcasting              | Article 12 Planning Procedures and Res.517 apply. |

| ITU Region 1 allocations and footnotes                   | South African allocations and footnotes                  | Typical Applications   | Notes and Comments   |
|--|--|--|--|
| 5.146  | 5.146  |  |  |
| <b>12 100-12 230 kHz</b><br><br>FIXED                    | <b>12 100-12 230 kHz</b><br><br>FIXED                    | Fixed  |  |
| <b>12 230-13 200 kHz</b><br><br>MARITIME MOBILE 5.109    | <b>12 230-13 200 kHz</b><br><br>MARITIME MOBILE 5.109    | Maritime mobile communications<br><br>Digital Selective Calling(GMDSS) Distress Watch keeping (12 577 kHz)<br>Transmission of meteorological bulletins and notices to navigators<br>12 577 kHz – DSC for distress and calling; Article 31 applies<br>12 520 kHz – international distress frequency for NBDP telegraphy; Article 31 applies.<br>12 579 kHz – maritime safety information (MSI); App.17 applies. | Appendix 15 of ITU RR<br><br>See Section 7 for details<br>ITU RR Appendix 17 Channelling Plan applies<br>ITU RR Appendix 25 Allotment Plan applies |
| 5.110 5.132 5.145  | 5.110 5.132 5.145  |  |  |
| <b>13 200-13 260 kHz</b><br><br>AERONAUTICAL MOBILE (OR) | <b>13 200-13 260 kHz</b><br><br>AERONAUTICAL MOBILE (OR) | Aeronautical mobile communications   | Appendix 26 Allotment Plan applies   |



| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments   |
|--|--|--|--|
| <b>13 260-13 360 kHz</b><br>AERONAUTICAL MOBILE (R)  | <b>13 260-13 360 kHz</b><br>AERONAUTICAL MOBILE (R)  | Aeronautical mobile communications   | Appendix 27 Allotment Plan applies   |
| <b>13 360-13 410 kHz</b><br>FIXED<br>RADIO ASTRONOMY<br><br>5.149                                  | <b>13 360-13 410 kHz</b><br>FIXED<br>RADIO ASTRONOMY<br><br>5.149                                  | Radio astronomy  |  |
| <b>13 410-13 450 kHz</b><br>FIXED<br>Mobile except aeronautical mobile (R)                         | <b>13 410-13 450 kHz</b><br>FIXED<br>Mobile except aeronautical mobile (R)                         | Maritime and/or land mobile communications<br>The band 13 553-13 567 kHz is designated for ISM applications (5.150).<br>SRD <sup>8</sup> applications (13 553-13 567kHz) | Common international SRD band; see ITU-R Rec. SM. 1896 Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>13 450-13 550 kHz</b><br>FIXED<br>Mobile except aeronautical mobile (R)<br>Radiolocation 5.132A | <b>13 450-13 550 kHz</b><br>FIXED<br>Mobile except aeronautical mobile (R)<br>Radiolocation 5.132A |  |  |

<sup>8</sup> [http://www.crasa.org/common\\_up/crasa-setup/06-07-2015\\_SADC%20FREQUENCIES%20%20FOR%20SHORT%20RANGE%20%20DEVICES%20CRASA%202011.pdf](http://www.crasa.org/common_up/crasa-setup/06-07-2015_SADC%20FREQUENCIES%20%20FOR%20SHORT%20RANGE%20%20DEVICES%20CRASA%202011.pdf)

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications  | Notes and Comments  |
|--|--|---|---|
| 5.149A   |  |   |   |
| <b>13 550-13 570 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile (R) | <b>13 550-13 570 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile (R) | 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.38641, 30 March 2015). |
| 5.150  | 5.150  |   |   |
| <b>13 570-13 600 kHz</b><br><br>BROADCASTING 5.134                             | <b>13 570-13 600 kHz</b><br><br>BROADCASTING 5.134                             | HF Sound Broadcasting   | Article 12 Planning Procedures and Res.517 apply.                             |
| 5.151  | 5.151  |   |   |
| <b>13 600-13 800 kHz</b><br><br>BROADCASTING                                   | <b>13 600-13 800 kHz</b><br><br>BROADCASTING                                   | HF Sound Broadcasting   | ITU RR Article 12 Planning Procedures applies                                 |
| <b>13 800-13 870 kHz</b><br><br>BROADCASTING 5.134                             | <b>13 800-13 870 kHz</b><br><br>BROADCASTING 5.134                             | HF Sound Broadcasting   | Article 12 Planning Procedures and Res.517 apply.                             |
| 5.151  | 5.151  |   |   |
| <b>13 870-14 000 kHz</b>   | <b>13 870-14 000 kHz</b>   |   |   |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments  |
|--|--|--|---|
| FIXED<br>Mobile except aeronautical mobile<br>(R)  | FIXED<br>Mobile except aeronautical mobile<br>(R)  | Land mobile communications<br>Maritime communications                  |   |
| <b>14 000-14 250 kHz</b><br>AMATEUR<br>AMATEUR-SATELLITE                                     | <b>14 000-14 250 kHz</b><br>AMATEUR<br>AMATEUR-SATELLITE                                     | Amateur communications<br>Amateur-satellite communications             | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>14 250-14 350 kHz</b><br><br>AMATEUR<br><br>5.152   | <b>14 250-14 350 kHz</b><br><br>AMATEUR  | Amateur communications   | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>14 350-14 990 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile<br>(R)            | <b>14 350-14 990 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile<br>(R)            | SADC harmonised HF frequencies for cross-border mobile communications; |   |
| <b>14 990-15 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz)<br><br>5.111 | <b>14 990-15 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz)<br><br>5.111 |  |   |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications               | Notes and Comments  |
|--|--|------------------------------------|---|
| <b>15 005-15 010 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research | <b>15 005-15 010 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research |                                    |   |
| <b>15 010-15 100 kHz</b><br><br>AERONAUTICAL MOBILE (OR)                             | <b>15 010-15 100 kHz</b><br><br>AERONAUTICAL MOBILE (OR)                             | Aeronautical mobile communications | Appendix 26 Allotment Plan applies  |
| <b>15 100-15 600 kHz</b><br><br>BROADCASTING   | <b>15 100-15 600 kHz</b><br><br>BROADCASTING   | HF Sound Broadcasting              | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>ITU RR Article 12 Planning Procedures applies     |
| <b>15 600-15 800 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146                      | <b>15 600-15 800 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146                      | HF Sound Broadcasting              | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>Article 12 Planning Procedures and Res.517 apply. |
| <b>15 800-16 100 kHz</b><br><br>FIXED  | <b>15 800-16 100 kHz</b><br><br>FIXED  | Fixed                              |   |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications   | Notes and Comments   |
|--|--|--|--|
| <b>16 100-16 200 kHz</b><br><br>FIXED<br>Radiolocation 5.145A<br><br>5.145B    | <b>16 100-16 200 kHz</b><br><br>FIXED<br>Radiolocation 5.145A                  |  |  |
| <b>16 200-16 360 kHz</b><br><br>FIXED  | <b>16 200-16 360 kHz</b><br><br>FIXED  | Fixed  |  |
| <b>16 360-17 410 kHz</b><br><br>MARITIME MOBILE 5.109<br><br>5.110 5.132 5.145 | <b>16 360-17 410 kHz</b><br><br>MARITIME MOBILE 5.109<br><br>5.110 5.132 5.145 | Maritime mobile communications<br>Digital Selective Calling (GMDSS) Distress Watch keeping (16 804.5 kHz)<br>Transmission of meteorological bulletins and notices to navigators.<br>16 804.5kHz – DSC for distress and calling; Article 31 applies.<br>16 695 kHz – international distress frequency for NBDP telegraphy; Article 31 applies.<br>16 806.5 kHz – maritime | Appendix 15 of ITU RR<br><br>See Section 7 for details<br><br>ITU RR Appendix 17 Channelling Plan applies<br>ITU RR Appendix 25 Allotment Plan applies |
| <b>17 410-17 480 kHz</b><br><br>FIXED  | <b>17 410-17 480 kHz</b><br><br>FIXED  | Fixed  |  |

| ITU Region 1 allocations and footnotes                              | South African allocations and footnotes                             | Typical Applications               | Notes and Comments  |
|---|---|------------------------------------|---|
| <b>17 480-17 550 kHz</b><br><br>BROADCASTING 5.134<br><br><br>5.146 | <b>17 480-17 550 kHz</b><br><br>BROADCASTING 5.134<br><br><br>5.146 | HF Sound Broadcasting              | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>Article 12 Planning Procedures and Res.517 apply. |
| <b>17 550-17 900 kHz</b><br><br>BROADCASTING                        | <b>17 550-17 900 kHz</b><br><br>BROADCASTING                        | HF Sound Broadcasting              | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>ITU RR Article 12 Planning Procedures applies     |
| <b>17 900-17 970 kHz</b><br><br>AERONAUTICAL MOBILE (R)             | <b>17 900-17 970 kHz</b><br><br>AERONAUTICAL MOBILE (R)             | Aeronautical mobile communications | Appendix 27 Allotment Plan applies  |
| <b>17 970-18 030 kHz</b><br><br>AERONAUTICAL MOBILE (OR)            | <b>17 970-18 030 kHz</b><br><br>AERONAUTICAL MOBILE (OR)            | Aeronautical mobile communications | Appendix 26 Allotment Plan applies  |
| <b>18 030-18 052 kHz</b><br><br>FIXED                               | <b>18 030-18 052 kHz</b><br><br>FIXED                               | Fixed                              |   |
| <b>18 052-18 068 kHz</b>  | <b>18 052-18 068 kHz</b>  |                                    |   |

| ITU Region 1 allocations and footnotes                                     | South African allocations and footnotes                                    | Typical Applications                                       | Notes and Comments  |
|--|--|--|---|
| FIXED<br>Space research  | FIXED<br>Space research  | Fixed  |   |
| <b>18 068-18 168 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE<br><br>5.154  | <b>18 068-18 168 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE               | Amateur communications<br>Amateur-satellite communications | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).   |
| <b>18 168-18 780 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile | <b>18 168-18 780 kHz</b><br><br>FIXED<br>Mobile except aeronautical mobile | Land mobile communications                                 |   |
| <b>18 780-18 900 kHz</b><br><br>MARITIME MOBILE                            | <b>18 780-18 900 kHz</b><br><br>MARITIME MOBILE                            | Maritime communications                                    | ITU RR Appendix 17 Channelling Plan applies   |
| <b>18 900-19 020 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146            | <b>18 900-19 020 kHz</b><br><br>BROADCASTING 5.134<br><br>5.146            | HF Sound Broadcasting                                      | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>Article 12 Planning Procedures and Res.517 apply. |
| <b>19 020-19 680 kHz</b><br><br>FIXED                                      | <b>19 020-19 680 kHz</b><br><br>FIXED                                      | Fixed  |   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes   | Typical Applications   | Notes and Comments   |
|---|---|--|--|
| <b>19 680-19 800 kHz</b><br>MARITIME MOBILE 5.132   | <b>19 680-19 800 kHz</b><br>MARITIME MOBILE 5.132   | 19 680.5 kHz – maritime safety information (MSI); App.17 applies | The frequency 19 680.5 kHz is the international frequency for transmission of MSI. |
| <b>19 800-19 990 kHz</b><br>FIXED   | <b>19 800-19 990 kHz</b><br>FIXED   | Fixed  |  |
| <b>19 990-19 995 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research<br>5.111 | <b>19 990-19 995 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research<br>5.111 |  |  |
| <b>19 995-20 010 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)<br>5.111      | <b>19 995-20 010 kHz</b><br>STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)<br>5.111      |  |  |
| <b>20 010-21 000 kHz</b><br>FIXED<br>Mobile   | <b>20 010-21 000 kHz</b><br>FIXED<br>Mobile   |  |  |



| ITU Region 1 allocations and footnotes                       | South African allocations and footnotes                      | Typical Applications                                       | Notes and Comments  |
|--|--|--|---|
| <b>21 000-21 450 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE | <b>21 000-21 450 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE | Amateur communications<br>Amateur-satellite communications | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).   |
| <b>21 450-21 850 kHz</b><br><br>BROADCASTING                 | <b>21 450-21 850 kHz</b><br><br>BROADCASTING                 | HF Sound Broadcasting                                      | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013.<br>ITU RR Article 12 Planning Procedures applies |
| <b>21 850-21 870 kHz</b><br><br>FIXED 5.155A<br><br>5.155    | <b>21 850-21 870 kHz</b><br><br>FIXED                        | Fixed <sup>9</sup>   |   |
| <b>21 870-21 924 kHz</b><br><br>FIXED 5.155B                 | <b>21 870-21 924 kHz</b><br><br>FIXED 5.155B                 | Fixed  | This band is used by the FS for services related to aircraft flight safety (5.155B)                                       |
| <b>21 924-22 000 kHz</b><br><br>AERONAUTICAL MOBILE (R)      | <b>21 924-22 000 kHz</b><br><br>AERONAUTICAL MOBILE (R)      | Aeronautical mobile communications                         | Appendix 27 Allotment Plan applies  |

<sup>9</sup> [http://www.crasa.org/common\\_up/crasa-setup/10-03-2015\\_FREQUENCY%20CHANNELING%20ARRANGEMENTS%20FOR%20TERRESTRIAL%20FIXED%20AND%20MOBILE%202011.pdf](http://www.crasa.org/common_up/crasa-setup/10-03-2015_FREQUENCY%20CHANNELING%20ARRANGEMENTS%20FOR%20TERRESTRIAL%20FIXED%20AND%20MOBILE%202011.pdf)

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes   | Typical Applications  | Notes and Comments   |
|--|---|---|--|
| <p><b>22 000-22 855 kHz</b></p> <p>MARITIME MOBILE 5.132</p> <p>5.156</p>                              | <p><b>22 000-22 855 kHz</b></p> <p>MARITIME MOBILE 5.132</p>                              | <p>22 376 kHz – maritime safety information (MSI); App.17 applies</p> | <p>ITU RR Appendix 17 Channelling Plan applies.</p> <p>ITU RR Appendix 25 Allotment Plan applies.</p> <p>The frequency 22 376 kHz is the international frequency for transmission of MSI.</p> <p>See Section 7 for details</p> |
| <p><b>22 855-23 000 kHz</b></p> <p>FIXED</p> <p>5.156</p>  | <p><b>22 855-23 000 kHz</b></p> <p>FIXED</p>  | <p>Fixed</p>  |  |
| <p><b>23 000-23 200 kHz</b></p> <p>FIXED</p> <p>Mobile except aeronautical mobile (R)</p> <p>5.156</p> | <p><b>23 000-23 200 kHz</b></p> <p>FIXED</p> <p>Mobile except aeronautical mobile (R)</p> |   |  |
| <p><b>23 200-23 350 kHz</b></p> <p>FIXED 5.156A</p> <p>AERONAUTICAL MOBILE (OR)</p>                    | <p><b>23 200-23 350 kHz</b></p> <p>FIXED 5.156A</p> <p>AERONAUTICAL MOBILE (OR)</p>       | <p>Aeronautical mobile communications</p>                             | <p>The use of this band by the FS is limited to the provision of services related to aircraft flight safety (5.156A)</p>   |

| ITU Region 1 allocations and footnotes  | South African allocations and footnotes  | Typical Applications | Notes and Comments  |
|---|--|----------------------|---|
| <b>23 350-24 000 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile 5.157          | <b>23 350-24 000 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile 5.157 |                      | The use of this band by the MMS is limited to inter-ship radiotelegraphy (5.157). |
| <b>24 000-24 450 kHz</b><br><br>FIXED<br>LAND MOBILE                                      | <b>24 000-24 450 kHz</b><br><br>FIXED<br>LAND MOBILE                             |                      |   |
| <b>24 450-24 600 kHz</b><br><br>FIXED<br>LAND MOBILE<br>Radiolocation 5.132A<br><br>5.158 | <b>24 450-24 600 kHz</b><br><br>FIXED<br>LAND MOBILE<br>Radiolocation 5.132A     |                      |   |
| <b>24 600-24 890 kHz</b><br><br>FIXED<br>LAND MOBILE                                      | <b>24 600-24 890 kHz</b><br><br>FIXED<br>LAND MOBILE                             |                      |   |
| <b>24 890-24 990 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE                              | <b>24 890-24 990 kHz</b><br><br>AMATEUR<br>AMATEUR-SATELLITE                     |                      | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).     |

| <b>ITU Region 1 allocations and footnotes</b>  | <b>South African allocations and footnotes</b>                                       | <b>Typical Applications</b>    | <b>Notes and Comments</b>                   |
|--|--|--------------------------------|---|
| <b>24 990-25 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)      | <b>24 990-25 005 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)      |                                |   |
| <b>25 005-25 010 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research | <b>25 005-25 010 kHz</b><br><br>STANDARD FREQUENCY AND TIME SIGNAL<br>Space research |                                |   |
| <b>25 010-25 070 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile           | <b>25 010-25 070 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile           |                                |   |
| <b>25 070-25 210 kHz</b><br><br>MARITIME MOBILE                                      | <b>25 070-25 210 kHz</b><br><br>MARITIME MOBILE                                      | Maritime mobile communications | ITU RR Appendix 17 Channelling Plan applies |
| <b>25 210-25 550 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile           | <b>25 210-25 550 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile           |                                |   |
| <b>25 550-25 670 kHz</b><br><br>RADIO ASTRONOMY                                      | <b>25 550-25 670 kHz</b><br><br>RADIO ASTRONOMY                                      | Radio astronomy                |   |

| ITU Region 1 allocations and footnotes                                     | South African allocations and footnotes                                    | Typical Applications   | Notes and Comments   |
|--|--|--|--|
| 5.149  | 5.149  |  |  |
| <b>25 670-26 100 kHz</b><br><br>BROADCASTING                               | <b>25 670-26 100 kHz</b><br><br>BROADCASTING                               | HF Sound Broadcasting  | The Terrestrial Broadcasting Frequency Plan (GG no.36321) 02 April 2013<br>ITU RR Article 12 Planning Procedures applies.  |
| <b>26 100-26 175 kHz</b><br><br>MARITIME MOBILE 5.132                      | <b>26 100-26 175 kHz</b><br><br>MARITIME MOBILE 5.132                      | 26 100.5 kHz – maritime safety information (MSI); App.17 applies   | ITU RR Appendix 17 Channelling Plan applies.<br>ITU RR Appendix 25 Allotment Plan applies.<br>The frequency 26 100.5 kHz is the international frequency for transmission of MSI. |
| <b>26 175-26 200 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile | <b>26 175-26 200 kHz</b><br><br>FIXED<br>MOBILE except aeronautical mobile | Single Frequency Mobile Mobile systems (single frequency)<br>CB Radio (26.96-27.410 MHz)<br>ISM applications (26.975-27.283 MHz)<br>SRD applications (26 957-27 283 kHz) | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br>Common international SRD band; see ITU-R Rec. SM. 1896  |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications  | Notes and Comments   |
|--|--|---|--|
| <p><b>26 200-26 350 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile</p> <p>Radiolocation 5.132A</p> <p>5.133A</p> | <p><b>26 200-26 350 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile</p> <p>Radiolocation 5.132A</p> | <p>Single Frequency Mobile</p>  |  |
| <p><b>26 350-27 500 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile</p> <p>5.150</p>                              | <p><b>26 350-27 500 kHz</b></p> <p>FIXED<br/>MOBILE except aeronautical mobile</p> <p>5.150</p>                | <p>Single Frequency Mobile<br/>Inductive Loop Systems, Non-specific SRD's (26.957 – 27.283 MHz)<br/>Surface Model Control (26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz)</p> | <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).</p> |
| <p><b>27.5-28 MHz</b></p> <p>METEOROLOGICAL AIDS<br/>FIXED<br/>MOBILE</p>  | <p><b>27.5-28 MHz</b></p> <p>METEOROLOGICAL AIDS<br/>FIXED<br/>MOBILE</p>                                      | <p>Radiosondes</p>  |  |
| <p><b>28-29.7 MHz</b></p> <p>AMATEUR<br/>AMATEUR-SATELLITE</p>   | <p><b>28-29.7 MHz</b></p> <p>AMATEUR<br/>AMATEUR-SATELLITE</p>   | <p>Amateur communications<br/>Amateur-satellite communications</p>  |  |

| ITU Region 1 allocations and footnotes   | South African allocations and footnotes  | Typical Applications  | Notes and Comments  |
|--|--|---|---|
|  |  |   | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).   |
| <b>29.7-30.005 MHz</b><br><br>FIXED<br>MOBILE  | <b>29.7-30.005 MHz</b><br><br>FIXED<br>MOBILE<br>Amateur NF1   | Single frequency mobile (29.7-29.99 MHz)<br>Government Services   | Amateur – disaster and emergencies<br><br>Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015). |
| <b>30.005-30.01 MHz</b><br><br>SPACE OPERATION (satellite identification)<br>FIXED<br>MOBILE<br>SPACE RESEARCH | <b>30.005-30.01 MHz</b><br><br>SPACE OPERATION (satellite identification)<br>FIXED<br>MOBILE<br>SPACE RESEARCH | Government Services   |   |
| <b>30.01-37.5 MHz</b><br><br>FIXED<br>MOBILE   | <b>30.01-37.5 MHz</b><br><br>MOBILE  | Single Frequency Mobile (32 – 32.325 MHz)<br>Government Services<br>Mobile 1 MTX (32.325 – 33.675 MHz)<br>Single Frequency Mobile (33.675 – 34.175 MHz)<br>Mobile 2 MTX (34.175 – 35 MHz) | Paired with 41.65 – 43 MHz<br><br>Paired with 40.625 – 41.25 MHz<br>Exclusive use by Model Aircraft Control             |

| ITU Region 1 allocations and footnotes                                       | South African allocations and footnotes                             | Typical Applications  | Notes and Comments   |
|--|---|---|--|
|  |   | Model Aircraft Control (35 – 35.5 MHz)<br><br>Wireless microphone (36.65 – 36.75 MHz)<br>Single Frequency Mobile (33.25 – 33.5 MHz)<br>Mobile 3 BTX 35.5 – 36.825 MHz<br>Single Frequency Mobile 36.825 – 38.5 MHz<br>PMR <sup>10</sup> | Radio Frequency Spectrum Regulations (Annex B) (GG. No.38641, 30 March 2015).<br><br>Paired with 38.5 – 39.825 MHz |
| <b>37.5-38.25 MHz</b><br><br>FIXED<br>MOBILE<br>Radio astronomy<br><br>5.149 | <b>37.5-38.25 MHz</b><br><br>MOBILE<br>Radio astronomy<br><br>5.149 | Single Frequency Mobile (36.825 – 38.5 MHz)<br>Government Services  |  |
| <b>38.25-39 MHz</b><br><br>FIXED<br>MOBILE                                   | <b>38.25-39 MHz</b><br><br>MOBILE                                   | Single Frequency Mobile (36.825 – 38.5 MHz)<br>Government Services  | Paired with 35.5 – 36.825 MHz  |

<sup>10</sup>[http://www.crasa.org/common\\_up/crasa-setup/10-03-2015\\_GUIDELINES%20%20ON%20PMR%202014.pdf](http://www.crasa.org/common_up/crasa-setup/10-03-2015_GUIDELINES%20%20ON%20PMR%202014.pdf)