

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
BROADCASTING 5.322 5.319 5.323		RFID (865 – 868 MHz) Non-specific SRD and RFID (869.4 – 869.65 MHz) Non Specific SRDs (868 – 868.6 MHz, 868.7 – 869.2 MHz, 869.4 – 869.65 MHz, 869.7 – 870.0 MHz) Alarms (868.6 – 868.7 MHz, 869.25 – 869.3 MHz, 869.65 – 869.7 MHz)	Spectrum Re-allocation for RFID (GG. No. 31127, 5 June 2008) Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)
890-942 MHz FIXED MOBILE except aeronautical mobile 5.317A  BROADCASTING 5.322 Radiolocation 5.323	890-942 MHz  MOBILE except aeronautical mobile 5.317A NF9 NF10 NF11	GSM-R (BTX) (921 - 925 MHz) IMT900 MTX (880 – 915 MHz) IMT900 BTX (925 – 960 MHz) RFID (including, passive tags and vehicle location (915.1 – 921 MHz)	Paired with 877.695 – 880 MHz Paired with 925 – 960 MHz Paired with 880 – 915 MHz Spectrum Re-allocation for RFID (GG. No. 31127, 5 June 2008)
942-960 MHz FIXED MOBILE except aeronautical mobile 5.317A  BROADCASTING 5.322 5.323	942-960 MHz  MOBILE except aeronautical mobile 5.317A NF9	IMT900 BTX (925 – 960 MHz)	Paired with 880 – 915 MHz
960-1 164 MHz	960-1 164 MHz		

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AERONAUTICAL RADIONAVIGATION 5.328 AERONAUTICAL MOBILE (R) 5.327A	AERONAUTICAL RADIONAVIGATION 5.328 AERONAUTICAL MOBILE (R) 5.327A	Distance measuring equipment / Secondary surveillance radar	
<b>1 164-1 215 MHz</b> AERONAUTICAL RADIONAVIGATION 5.328 RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.328A	<b>1 164-1 215 MHz</b> AERONAUTICAL RADIONAVIGATION 5.328 RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.328A	Galileo (1164 – 1214 MHz) GLONASS (1190.3 – 1213.8 MHz)	
<b>1 215-1 240 MHz</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) 5.330 5.331 5.332	<b>1 215-1 240 MHz</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION ) RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) 5.331 5.332	Radar/navigation systems (1215 – 1300 MHz)  GPS (1215 – 1260 MHz) GLONASS (1237.8-1253.8 MHz)	
<b>1 240-1 300 MHz</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) Amateur 5.282 5.330 5.331 5.332 5.335 5.335A	<b>1 240-1 300 MHz</b> EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) Amateur 5.282 5.331 5.332 5.335A	Air Traffic Control Radar (1 240 – 1 350 MHz) Radar/navigation systems (1215 – 1300 MHz) GPS (1215 – 1260 MHz) GLONASS (1237.8 – 1253.8 MHz) Galileo (1260 – 1300 MHz)  Amateur (1 240 – 1 300 MHz)	

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<b>1 300-1 350 MHz</b> AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION RADIONAVIGATION-SATELLITE (Earth-to-space)  5.149 5.337A	<b>1 300-1 350 MHz</b> AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION RADIONAVIGATION-SATELLITE (Earth-to-space) Radio Astronomy 5.149 5.337A	Air Traffic Control Radar (1 240 – 1 350 MHz)	
<b>1 350-1 400 MHz</b> FIXED  MOBILE RADIOLOCATION  5.149 5.338 5.338A 5.339	<b>1 350-1 400 MHz</b> FIXED NF 14  MOBILE RADIOLOCATION Radio Astronomy 5.149 5.338A 5.339	Fixed links low capacity (1 350 – 1 375 MHz)  Fixed links low capacity (1 375 – 1 400 MHz)	Paired with 1 492 – 1 517 MHz (ITU-R Rec. F.1242, Recommends 1) Paired with 1 427 – 1 452 MHz (ITU-R Rec. F.1242, Recommends 2)
<b>1 400-1 427 MHz</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.341	<b>1 400-1 427 MHz</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.341	Passive sensing	
<b>1 427-1 429 MHz</b> SPACE OPERATION (Earth-to-space) FIXED  MOBILE except aeronautical mobile 5.338A 5.341	<b>1 427-1 429 MHz</b> SPACE OPERATION (Earth-to-space) FIXED NF14  MOBILE except aeronautical mobile 5.338A 5.341	Fixed links low capacity (1 427 – 1 452 MHz)	Paired with 1 375 – 1 400 MHz (CEPT T/R 13-01 Annex B refers)

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<p>1 429-1 452 MHz FIXED</p> <p>MOBILE except aeronautical mobile 5.338A 5.341 5.342</p>	<p>1 429-1 452 MHz FIXED</p> <p>MOBILE except aeronautical mobile 5.338A 5.341</p>	<p>Fixed links low capacity (1 427 – 1 452 MHz)</p>	<p>Paired with 1 375 – 1 400 MHz (CEPT T/R 13-01 Annex B refers)</p>
<p>1 452-1 492 MHz FIXED</p> <p>MOBILE except aeronautical mobile BROADCASTING 5.345</p> <p>BROADCASTING-SATELLITE 5.208B 5.345</p> <p>5.341 5.342</p>	<p>1 452-1 492 MHz FIXED NF14</p> <p>MOBILE except aeronautical mobile BROADCASTING 5.345</p> <p>BROADCASTING-SATELLITE 5.208B 5.345</p> <p>5.341 NF12</p>	<p>Terrestrial Digital Audio Broadcasting (T-DAB) (1 452 – 1 479.5 MHz)</p> <p>Satellite Digital Audio Broadcasting (S-DAB) (1 479.5 – 1 492 MHz)</p>	<p>SD, UMD, UMTS, LTE</p>
<p>1 492-1 518 MHz FIXED</p> <p>MOBILE except aeronautical mobile 5.341 5.342</p>	<p>1 492-1 518 MHz FIXED</p> <p>5.341</p>	<p>Fixed Links (1 492 – 1 517 MHz)</p> <p>Single Frequency Links (1 517 – 1 525 MHz)</p>	<p>Paired with 1 350 – 1 375 MHz (CEPT T/R 13-01 Annex A refers)</p>
<p>1 518-1 525 MHz FIXED</p> <p>MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A 5.341 5.342</p>	<p>1 518-1 525 MHz FIXED</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.351A 5.341</p>	<p>Single Frequency Links (1 517 – 1 525 MHz)</p> <p>IMT Satellite component</p>	<p>CEPT T/R 13-01 refers</p>

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<b>1 525-1 530 MHz</b> SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A  Earth exploration-satellite Mobile except aeronautical mobile 5.349 5.341 5.342 5.350 5.351 5.352A 5.354	<b>1 525-1 530 MHz</b> SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A  Earth exploration-satellite Mobile except aeronautical mobile 5.341 5.351 5.354	GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz) Land Mobile satellite (1555 – 1559 MHz)	Paired with 1 626.5 – 1 660.5 MHz
<b>1 530-1 535 MHz</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A 5.353A  Earth exploration-satellite Fixed Mobile except aeronautical mobile 5.341 5.342 5.351 5.354	<b>1 530-1 535 MHz</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A 5.353A  Earth exploration-satellite Fixed Mobile except aeronautical mobile 5.341 5.351 5.354	GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz) Land Mobile satellite (1555 – 1559 MHz)	Paired with 1 626.5 – 1 660.5 MHz
<b>1 535-1 559 MHz</b> MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A	<b>1 535-1 559 MHz</b> MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A	GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz)	Paired with 1 626.5 – 1 660.5 MHz

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5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359 5.362A	5.341 5.351 5.353A 5.354 5.356 5.357 5.357A	MHz) Land Mobile satellite (1555 – 1559 MHz)	
<b>1 559-1 610 MHz</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.208B 5.328B 5.329A 5.341 5.362B 5.362C	<b>1 559-1 610 MHz</b> AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.208B 5.328B 5.329A 5.341	Global Positioning System (1 559 – 1 610 MHz)	
<b>1 610-1 610.6 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  AERONAUTICAL RADIONAVIGATION 5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372	<b>1 610-1 610.6 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  AERONAUTICAL RADIONAVIGATION 5.341 5.364 5.366 5.367 5.368 5.371 5.372	MSS (1 610 – 1 626.5 MHz)	Paired with 2 483.5 – 2 500 MHz for some systems
<b>1 610.6-1 613.8 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION 5.149 5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372	<b>1 610.6-1 613.8 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION 5.149 5.341 5.364 5.366 5.367 5.368 5.371 5.372	MSS (1 610 – 1 626.5 MHz)	Paired with 2 483.5 – 2 500 MHz for some systems

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<b>1 613.8-1 626.5 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth) 5.208B 5.341 5.355 5.359 5.364 5.365 5.366 5.367 5.368 5.369 5.371 5.372	<b>1 613.8-1 626.5 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A  AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth) 5.208B 5.341 5.364 5.365 5.366 5.367 5.368 5.371 5.372	MSS (1 610 – 1 626.5 MHz)	Paired with 2 483.5 – 2 500 MHz for some systems
<b>1 626.5-1 660 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A     5.341 5.351 5.353A 5.354 5.355 5.357A 5.359 5.374 5.375 5.376	<b>1 626.5-1 660 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A     5.341 5.351 5.353A 5.354 5.357A 5.374 5.375 5.376	GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz) Land Mobile satellite (1555 – 1559 MHz)	Paired with 1 626.5 – 1 660.5 MHz ... ... ...
<b>1 660-1 660.5 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A     RADIO ASTRONOMY 5.149 5.341 5.351 5.354 5.376A	<b>1 660-1 660.5 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A     RADIO ASTRONOMY 5.149 5.341 5.351 5.354 5.376A	GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz) Land Mobile satellite (1555 – 1559 MHz)	Paired with 1 626.5 – 1 660.5 MHz
<b>1 660.5-1 668 MHz</b> RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed	<b>1 660.5-1 668 MHz</b> RADIO ASTRONOMY SPACE RESEARCH (passive)		

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Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	5.149 5.341 5.379A		
<b>1 668-1 668.4 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	<b>1 668-1 668.4 MHz</b> MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY SPACE RESEARCH (passive)  5.149 5.341 5.379A	IMT satellite component (1 668 – 1 675 MHz)	
<b>1 668.4-1 670 MHz</b> METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	<b>1 668.4-1 670 MHz</b> METEOROLOGICAL AIDS  MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	Radio Sondes (1 668 – 1 700 MHz)  IMT satellite component (1 668 – 1 675 MHz)	
<b>1 670-1 675 MHz</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.341 5.379D 5.379E 5.380A	<b>1 670-1 675 MHz</b> METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.341 5.379D 5.379E 5.380A	Radio Sondes (1 668 – 1 700 MHz)  IMT satellite component (1 668 – 1 675 MHz)	



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<b>1 675-1 690 MHz</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.341	<b>1 675-1 690 MHz</b> METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.341	Radio Sondes (1 668 – 1 700 MHz)	
<b>1 690-1 700 MHz</b> METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile 5.289 5.341 5.382	<b>1 690-1 700 MHz</b> METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth)  5.289 5.341	Radio Sondes (1 668 – 1 700 MHz)	Channels 1695.6938 MHz; 1695.7250 MHz; 1695.7562 MHz; 1695.7874 MHz; 1691 MHz and 1694.5 MHz
<b>1 700-1 710 MHz</b> FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.289 5.341	<b>1 700-1 710 MHz</b> METEOROLOGICAL-SATELLITE (space-to-Earth)  5.289 5.341		

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<b>1 710-1 930 MHz</b> FIXED  MOBILE 5.384A 5.388A 5.388B  5.149 5.341 5.385 5.386 5.387 5.388	<b>1 710-1 930 MHz</b> FIXED  MOBILE 5.384A 5.388A NF9  5.149 5.341 5.385 5.388	DECT FWA (1880 – 1900 MHz) FWA TDD (1900 – 1920 MHz) Fixed Broadband data applications (1 785 – 1 805 MHz) IMT1800 MTX (1710 – 1785 MHz) DECT Cordless telephones (1880 – 1900 MHz) IMT1900 TDD (1900 – 1920 MHz) IMT2100 MTX (1920 – 1980 MHz)	Paired with BTX 1805 – 1880 MHz. GG No.34172, dated 31 March 2011 (Annex B) as is or as amended IMT TDD applications (Future) Paired with BTX 2110 – 2170 MHz.
<b>1 930-1 970 MHz</b> FIXED MOBILE 5.388A 5.388B 5.388	<b>1 930-1 970 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT2100 MTX (1920 – 1980 MHz)	Paired with 2110 – 2170 MHz.
<b>1 970-1 980 MHz</b> FIXED MOBILE 5.388A 5.388B 5.388	<b>1 970-1 980 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT2100 MTX (1920 – 1980 MHz)	Paired with 2110 – 2170 MHz.
<b>1 980-2 010 MHz</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.388 5.389A 5.389B 5.389F	<b>1 980-2 010 MHz</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.388 5.389A NF13	Fixed links (1980 – 2010 MHz) CGC/ATC fixed systems (1980 – 2010 MHz) IMT-satellite	Paired with 2170 – 2200 MHz Paired with 2170 – 2200 MHz (future)

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<b>2 010-2 025 MHz</b> FIXED MOBILE 5.388A 5.388B 5.388	<b>2 010-2 025 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT TDD (2010 – 2025 MHz)	IMT TDD applications (Future)
<b>2 025-2 110 MHz</b> SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE 5.391 SPACE RESEARCH (Earth-to-space) (space-to-space) 5.392	<b>2 025-2 110 MHz</b> FIXED NF14 5.392	Fixed Links (2025 – 2110 MHz)	Paired with 2200 – 2285 MHz. ITU-R Rec. F.1098 refers.
<b>2 110-2 120 MHz</b> FIXED MOBILE 5.388A 5.388B SPACE RESEARCH (deep space) (Earth-to-space) 5.388	<b>2 110-2 120 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT2100 BTX (2110 – 2170 MHz)	Paired with 1920 – 1980 MHz.
<b>2 120-2 160 MHz</b> FIXED MOBILE 5.388A 5.388B 5.388	<b>2 120-2 160 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT-2100 BTX (2110 – 2170 MHz)	Paired with 1920 – 1980 MHz.

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<b>2 160-2 170 MHz</b> FIXED MOBILE 5.388A 5.388B 5.388	<b>2 160-2 170 MHz</b> FIXED MOBILE 5.388A NF9 5.388	IMT2100 BTX (2110 – 2170 MHz)	Paired with 1920 – 1980 MHz.
<b>2 170-2 200 MHz</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A 5.388 5.389A 5.389F	<b>2 170-2 200 MHz</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A 5.388 5.389A 5.389F NF13	Fixed Links (2170 – 2200 MHz) CGC/ATC fixed systems (1980 – 2010 MHz) IMT-satellite	Paired with 1980 – 2010 MHz Paired with 2170 – 2200 MHz (future)
<b>2 200-2 290 MHz</b> SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE 5.391 SPACE RESEARCH (space-to-Earth) (space-to-space) 5.392	<b>2 200-2 290 MHz</b> SPACE OPERATION (space-to-Earth) (space-to-space) FIXED NF14 MOBILE 5.391 5.392	TT&C received from space Fixed Links (2200 – 2285 MHz)	Paired with 2025 – 2110 MHz ITU-R Rec. F.1098 refers.
<b>2 290-2 300 MHz</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)	<b>2 290-2 300 MHz</b> FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)	Fixed Links	

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<p>2 300-2 450 MHz FIXED</p> <p>MOBILE 5.384A</p> <p>Amateur Radiolocation 5.150 5.282 5.395</p>	<p>2 300-2 450 MHz FIXED</p> <p>MOBILE 5.384A NF9</p> <p>Amateur 5.150 5.282</p>	<p>FWA (PTP/PTMP) (2307-2387 MHz) Outside Broadcast Links</p> <p>FWA (PTP/PTMP) (2401 – 2481 MHz) IMT2300 TDD (2300 – 2400 MHz) WLAN, FDDA and model ctrl. (2400 – 2483.5 MHz) Non-Specific SRDs and low power video surveillance (2400 – 2483.5 MHz) RFID (2 400 – 2 483.5 MHz) ISM applications (2400 – 2500 MHz)</p>	<p>Paired with 2401 – 2481 MHz 28 MHz channels OB links. Frequency coordination with other systems operating in the band is mandatory on a case-by-case basis. Primary basis: 2377 MHz and 2471 MHz. Secondary basis: 2321 MHz, 2349 MHz, 2415 MHz and 2443 MHz Paired with 2307-2387 MHz</p> <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)</p> <p>Spectrum Re-allocation for RFID (GG. No. 31127, 5 June 2008)</p>
<p>2 450-2 483.5 MHz FIXED MOBILE</p> <p>Radiolocation</p>	<p>2 450-2 483.5 MHz FIXED MOBILE</p> <p>Radiolocation</p>	<p>FWA (PTP/PTMP) (2401 – 2481 MHz)</p> <p>WLAN and RFID (2400 – 2483.5 MHz)</p> <p>Non-Specific SRDs and low power video surveillance (2400 – 2483.5 MHz)</p>	<p>Paired with 2307-2387 MHz</p> <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)</p>

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5.150	5.150	ISM applications (2400 – 2500 MHz)	
2 483.5-2 500 MHz FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A  RADIODETERMINATION-SATELLITE (space-to-Earth) 5.398 Radiolocation 5.398A 5.150 5.399 5.401 5.402	2 483.5-2 500 MHz FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A  RADIODETERMINATION-SATELLITE (space-to-Earth) 5.398  5.150 5.399 5.402	Aeronautical Mobile Video surveillance MSS (2483.5 – 2500 MHz)	Unmanned aerial vehicles only Some systems are paired with 1610 – 1626.5 MHz
2 500-2 520 MHz FIXED 5.410 MOBILE except aeronautical mobile 5.384A  5.412	2 500-2 520 MHz  MOBILE except aeronautical mobile 5.384A NF9	IMT2600 MTX (2500 – 2570 MHz)	Paired with 2620 – 2690 MHz
2 520-2 655 MHz FIXED 5.410 MOBILE except aeronautical mobile 5.384A   BROADCASTING-SATELLITE 5.413 5.416 5.339 5.412 5.417C 5.417D 5.418B 5.418C	2 520-2 655 MHz  MOBILE except aeronautical mobile 5.384A NF9   5.339	IMT2600 MTX (2500 – 2570 MHz) IMT2600 TDD (2570 – 2620 MHz) IMT2600 BTX (2620 – 2690 MHz)	Paired with 2620 – 2690 MHz  Paired with 2500 – 2570 MHz

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<b>2 655-2 670 MHz</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A  BROADCASTING-SATELLITE 5.208B 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.412	<b>2 655-2 670 MHz</b>  MOBILE except aeronautical mobile 5.384A NF9  Radio astronomy  5.149	IMT2600 BTX (2620 – 2690 MHz)	Paired with 2500 – 2570 MHz
<b>2 670-2 690 MHz</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.412	<b>2 670-2 690 MHz</b>  MOBILE except aeronautical mobile 5.384A  Radio astronomy  5.149	IMT2600 MTX (2620 – 2690 MHz)	Paired with 2500 – 2570 MHz
<b>2 690-2 700 MHz</b> EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.422	<b>2 690-2 700 MHz</b>  RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340	Passive sensing	
<b>2 700-2 900 MHz</b> AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.423	<b>2 700-2 900 MHz</b> AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.423		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
<b>2 900-3 100 MHz</b> RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427	<b>2 900-3 100 MHz</b> RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427		
<b>3 100-3 300 MHz</b> RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428	<b>3 100-3 300 MHz</b> RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149	Government Services	
<b>3 300-3 400 MHz</b> RADIOLOCATION 5.149 5.429 5.430	<b>3 300-3 400 MHz</b> RADIOLOCATION 5.149	Government Services	
<b>3 400-3 600 MHz</b> FIXED FIXED-SATELLITE (space-to-Earth) Mobile 5.430A  Radiolocation 5.431	<b>3 400-3 600 MHz</b> FIXED  MOBILE 5.430A NF9	FWA (3400 – 3600 MHz)  IMT3500 (3410 – 3490 MHz) IMT3500 (3510 – 3590 MHz)	Paired with 3510 – 3590 MHz Paired with 3410 – 3490 MHz
<b>3 600-4 200 MHz</b> FIXED FIXED-SATELLITE (space-to-Earth) Mobile	<b>3 600-4 200 MHz</b> FIXED FIXED-SATELLITE (space-to-Earth) NF14	Fixed links (4 GHz) (3600 – 4200 MHz) C-band downlink (VSAT/SNG/PTP links)	
<b>4 200-4 400 MHz</b> AERONAUTICAL RADIONAVIGATION 5.438 5.439 5.440	<b>4 200-4 400 MHz</b> AERONAUTICAL RADIONAVIGATION 5.438 5.440	Altimeters	



ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
<p><b>4 400-4 500 MHz</b> FIXED</p> <p>MOBILE</p>	<p><b>4 400-4 500 MHz</b> FIXED NF14</p> <p>MOBILE</p>	<p>Fixed links (4.8 GHz) (4400 – 5000 MHz)</p> <p>Outside Broadcast links</p> <p>Electronic News Gathering</p>	Government services
<p><b>4 500-4 800 MHz</b> FIXED</p> <p>FIXED-SATELLITE (space-to-Earth) 5.441</p> <p>MOBILE 5.440A</p>	<p><b>4 500-4 800 MHz</b> FIXED NF14</p> <p>FIXED-SATELLITE (space-to-Earth) 5.441</p> <p>MOBILE</p> <p>NF15</p>	<p>Fixed links (4.8 GHz) (4400 – 5000 MHz)</p> <p>Outside Broadcast links</p> <p>Electronic News Gathering</p>	<p>Government services</p> <p>Appendix 30B Plan</p>
<p><b>4 800-4 990 MHz</b> FIXED</p> <p>MOBILE 5.440A 5.442</p> <p>Radio astronomy</p> <p>5.149 5.339 5.443</p>	<p><b>4 800-4 990 MHz</b> FIXED NF14</p> <p>MOBILE 5.442</p> <p>Radio astronomy</p> <p>5.149 5.339 NF15</p>	<p>Fixed links (4.8 GHz) (4400 – 5000 MHz)</p> <p>Outside Broadcast links Electronic News Gathering</p> <p>Radio astronomy on 4825 – 4835 MHz and 4950 – 4990 MHz</p>	Government services
<p><b>4 990-5 000 MHz</b> FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>RADIO ASTRONOMY</p> <p>Space research (passive)</p> <p>5.149</p>	<p><b>4 990-5 000 MHz</b> FIXED NF14</p> <p>MOBILE except aeronautical mobile</p> <p>RADIO ASTRONOMY</p> <p>5.149 NF15</p>	<p>Fixed links (4.8 GHz) (4400 – 5000 MHz)</p> <p>Outside Broadcast links</p> <p>Electronic News Gathering</p>	Government services
<p><b>5 000-5 010 MHz</b> AERONAUTICAL MOBILE-SATELLITE (R)</p>	<p><b>5 000-5 010 MHz</b> AERONAUTICAL MOBILE-SATELLITE (R)</p>		