

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
<p><b>890-942 MHz</b></p> <p>FIXED MOBILE except aeronautical mobile 5.317A</p> <p>BROADCASTING 5.322 Radiolocation</p> <p>5.323</p>	<p><b>890-942 MHz</b></p> <p>MOBILE except aeronautical mobile 5.317A NF9 NF10 NF11</p>	<p>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) 915-921 MHz</p>	<p>Paired with 877.695 – 880 MHz Paired with 925 – 960 MHz Paired with 880 – 915 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Paired with 876-880 MHz</p>
		<p>921-925 MHz GSM-R</p>	
		<p>925-960 MHz IMT</p>	<p>Paired with 880-915 MHz</p>

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<b>942-960 MHz</b>	<b>942-960 MHz</b>		
FIXED MOBILE except aeronautical mobile 5.317A  BROADCASTING 5.322  5.323	MOBILE except aeronautical mobile 5.317A NF9	IMT900 BTX (925 – 960 MHz)	Paired with 880 – 915 MHz Recommendation ITU-R M.1036
<b>960-1 164 MHz</b>  AERONAUTICAL MOBILE (R) 5.327A  AERONAUTICAL RADIONAVIGATION 5.328 5.328  5.328AA	<b>960-1 164 MHz</b>  AERONAUTICAL MOBILE (R) 5.327A  AERONAUTICAL RADIONAVIGATION 5.328 5.328  5.328AA	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	<b>1 164-1 215 MHz</b>  AERONAUTICAL RADIONAVIGATION 5.328  RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B	Galileo (1164 – 1214 MHz) GLONASS (1190.3 – 1213.8 MHz)	

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5.328A	5.328A		
<p><b>1 215-1 240 MHz</b></p> <p>EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION</p> <p>RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A</p> <p>SPACE RESEARCH (active)</p>	<p><b>1 215-1 240 MHz</b></p> <p>EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION</p> <p>RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A</p> <p>SPACE RESEARCH (active)</p>	<p>Radar/navigation systems (1215 – 1300 MHz)</p> <p>GPS (1215 – 1260 MHz) GLONASS (1237.8-1253.8 MHz)</p>	
5.330 5.331 5.332	5.331 5.332		
<p><b>1 240-1 300 MHz</b></p> <p>EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION</p> <p>RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A</p> <p>SPACE RESEARCH (active)</p> <p>Amateur</p>	<p><b>1 240-1 300 MHz</b></p> <p>EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION</p> <p>RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A</p> <p>SPACE RESEARCH (active)</p> <p>Amateur</p>	<p>Air Traffic Control Radar (1 240 – 1 350 MHz)</p> <p>Radar/navigation systems (1215 – 1300 MHz)</p> <p>GPS (1215 – 1260 MHz) GLONASS (1237.8 – 1253.8 MHz) Galileo (1260 – 1300 MHz)</p> <p>Amateur (1 240 – 1 300 MHz)</p>	

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5.282 5.330 5.331 5.332 5.335 5.335A	5.282 5.331 5.332 5.335A		
<p><b>1 300-1 350 MHz</b></p> <p>AERONAUTICAL RADIONAVIGATION 5.337</p> <p>RADIOLOCATION</p> <p>RADIONAVIGATION- SATELLITE (Earth-to-space)</p> <p>5.149 5.337A</p>	<p><b>1 300-1 350 MHz</b></p> <p>AERONAUTICAL RADIONAVIGATION 5.337</p> <p>RADIOLOCATION</p> <p>RADIONAVIGATION- SATELLITE (Earth-to-space)</p> <p>Radio Astronomy</p> <p>5.149 5.337A</p>	Air Traffic Control Radar (1 240 – 1 350 MHz)	
<p><b>1 350-1 400 MHz</b></p> <p>FIXED</p>	<p><b>1 350-1 400 MHz</b></p> <p>FIXED NF 14</p>	<p>1 350-1 375 MHz Fixed links (duplex)</p> <p>1 375-1 400 MHz Fixed links (duplex)</p>	<p>Paired with 1492-1517 MHz; ITU-R F.1242 refers. Paired with 1427-1452 MHz;</p>

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MOBILE RADIOLOCATION  5.149 5.338 5.338A 5.339	MOBILE RADIOLOCATION Radio Astronomy  5.149 5.338A 5.339		ITU-R F.1242 refers.
<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 5,341A  5.338A 5.341	<b>1 427-1 429 MHz</b>  SPACE OPERATION (Earth-to-space) FIXED NF14  MOBILE except aeronautical mobile 5,341A  5.338A 5.341	1 427-1 452 MHz Fixed links (duplex)	Paired with 1 375 – 1 400 MHz In accordance with Recommendation ITU-R F.1242  ITU Res. 223 (Rev.WRC-15)

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<p><b>1 429-1 452 MHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile 5.341A</p> <p>5.338A 5.341 5.342</p>	<p><b>1 429-1 452 MHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile 5.341A</p> <p>5.338A 5.341</p>	<p>1 427-1 452 MHz</p> <p>Fixed links (duplex)</p>	<p>Paired with 1 375 – 1 400 MHz) In accordance with Recommendation ITU-R F.1242</p>
<p><b>1 452-1 492 MHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile 5.346</p> <p>BROADCASTING</p> <p>BROADCASTING-SATELLITE 5.208B</p> <p>5.341 5.342 5.345</p>	<p><b>1 452-1 492 MHz</b></p> <p>FIXED NF14</p> <p>MOBILE except aeronautical mobile 5.346</p> <p>BROADCASTING</p> <p>BROADCASTING-SATELLITE 5.208B</p> <p>5.341 5.345 NF12</p>	<p>)</p>	<p>studies called for Resolution <b>761 (WRC-15)</b> on the “Compatibility of International Mobile Telecommunications and broadcasting-satellite service and take appropriate regulatory and technical studies, with a view to ensuring the compatibility of IMT and BSS (sound) are undertaken within the ITU-R</p> <p>ITU-R Res. 223 (Rev.WRC-15)</p> <p>ITU-R Res. 223 (Rev.WRC-15)</p>
<p><b>1 492-1 518 MHz</b></p>	<p><b>1 492-1 518 MHz</b></p>		

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<p>FIXED</p> <p>MOBILE except aeronautical mobile 5.341A</p> <p>5.341 5.342</p>	<p>FIXED</p> <p>MOBILE except aeronautical mobile 5.341A</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 In accordance with Recommendation ITU-R F.1242</p> <p>ITU-R Res. 223 (Rev.WRC-15) (Sharing and Compatibility Studies called for by Resolution 223 (Rev. WRC-15) are underway within the ITU-R)</p>
<p><b>1 518-1 525 MHz</b></p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A</p> <p>5.341 5.342</p>	<p><b>1 518-1 525 MHz</b></p> <p>FIXED</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.351A</p> <p>5.341</p>	<p>IMT Satellite component</p>	<p>The band 1518-1559 MHz is identified for satellite component of IMT; Res.225 applies.</p>

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<p><b>1 525-1 530 MHz</b></p> <p>SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A</p> <p>Earth exploration-satellite Mobile except aeronautical mobile 5.349</p> <p>5.341 5.342 5.350 5.351 5.352A 5.354</p>	<p><b>1 525-1 530 MHz</b></p> <p>SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A</p> <p>Earth exploration-satellite Mobile except aeronautical mobile</p> <p>5.341 5.351 5.354</p>	<p>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)</p>	<p>Paired with 1 626.5 – 1 660.5 MHz The band 1518-1559 MHz is identified for satellite component of IMT; Res.225 applies.</p>
<p><b>1 530-1 535 MHz</b></p> <p>SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A 5.353A</p> <p>Earth exploration-satellite Fixed</p>	<p><b>1 530-1 535 MHz</b></p> <p>SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A 5.353A</p> <p>Earth exploration-satellite Fixed</p>	<p>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)</p>	<p>Paired with 1 626.5 – 1 660.5 MHz The band 1518-1559 MHz is identified for satellite component of IMT; Res.225 applies. In the band 1530-1544 MHz priority for maritime mobile distress, urgency and safety communications (GMDSS); Res.222 applies.</p>



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Mobile except aeronautical mobile  5.341 5.342 5.351 5.354	Mobile except aeronautical mobile  5.341 5.351 5.354		
<b>1 535-1 559 MHz</b>  MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A  5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359	<b>1 535-1 559 MHz</b>  MOBILE-SATELLITE (space-to-Earth) 5.208B 5.351A  5.341 5.351 5.353A 5.354 5.356 5.357 5.357A	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 The band 1518-1559 MHz is identified for satellite component of IMT; Res.225 applies. In the band 1530-1544 MHz priority for maritime mobile distress, urgency and safety communications (GMDSS); Res.222 applies.
<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	<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 (1 563.42 – 1 587.42 MHz) GALILEO (1559.42 – 1591.42 MHz), GLONAS (1592.9 – 1610.5 MHz)	

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<p><b>1 610-1 610.6 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>AERONAUTICAL RADIONAVIGATION</p> <p>5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372</p>	<p><b>1 610-1 610.6 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>AERONAUTICAL RADIONAVIGATION</p> <p>5.341 5.364 5.366 5.367 5.368 5.371 5.372</p>	<p>MSS (1 610 – 1 626.5 MHz)</p> <p>GLONASS (1 592.9 – 1610.5 MHz)</p>	<p>Paired with 2 483.5 – 2 500 MHz for some systems</p> <p>The band 1610-1645.5 MHz is identified for satellite component of IMT; Res.225 applies.</p> <p>This band is designated world-wide for the MSS. Paired with 2483.5-2484.1 MHz for some systems.</p>
<p><b>1 610.6-1 613.8 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION</p> <p>5.149 5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372</p>	<p><b>1 610.6-1 613.8 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION</p> <p>5.149 5.341 5.364 5.366 5.367 5.368 5.371 5.372</p>	<p>MSS (1 610 – 1 626.5 MHz)</p>	<p>Paired with 2 483.5 – 2 500 MHz for some systems</p> <p>The band 1610-1645.5 MHz is identified for satellite component of IMT; Res.225 applies.</p> <p>This band is designated world-wide for the MSS. Paired with 2484.1-2487.3 MHz for some systems.</p>
<p><b>1 613.8-1 626.5 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>AERONAUTICAL RADIONAVIGATION</p>	<p><b>1 613.8-1 626.5 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>AERONAUTICAL RADIONAVIGATION</p>	<p>MSS (1 610 – 1 626.5 MHz)</p>	<p>Paired with 2 483.5 – 2 500 MHz for some systems</p> <p>The band 1610-1645.5 MHz is identified for satellite component of IMT; Res.225 applies.</p>

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<p>Mobile-satellite (space-to-Earth) 5.208B</p> <p>5.341 5.355 5.359 5.364 5.365 5.366 5.367 5.368 5.369 5.371 5.372</p>	<p>Mobile-satellite (space-to-Earth) 5.208B</p> <p>5.341 5.364 5.365 5.366 5.367 5.368 5.371 5.372</p>		<p>Paired with 1593-1594 MHz for aeronautical public correspondence</p>
<p><b>1 626.5-1 660 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>5.341 5.351 5.353A 5.354 5.355 5.357A 5.359 5.374 5.375 5.376</p>	<p><b>1 626.5-1 660 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>5.341 5.351 5.353A 5.354 5.357A 5.374 5.375 5.376</p>	<p>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)</p>	<p>Paired with 1 626.5 – 1 660.5 MHz</p> <p>The bands 1610-1645.5 MHz and 1646.5-1660.5 MHz are identified for satellite component of IMT; Res.225 applies.</p> <p>In the band 1626.5-1645.5 MHz priority is given to maritime mobile distress, urgency and safety communications (GMDSS) ; Res.222 applies.</p>
<p><b>1 660-1 660.5 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>RADIO ASTRONOMY</p>	<p><b>1 660-1 660.5 MHz</b></p> <p>MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>RADIO ASTRONOMY</p>	<p>GMDSS Maritime satellite (1 525 – 1 544 MHz) Mobile satellite (1544 – 1545 MHz) Aeronautical Mobile satellite (1545 – 1555 MHz)</p>	<p>Paired with 1 626.5 – 1 660.5 MHz</p> <p>The band 1610-1645.5 MHz and 1646.5-1660.5 MHz are identified for satellite component of IMT; Res.225 applies.</p>

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5.149 5.341 5.351 5.354 5.376A	5.149 5.341 5.351 5.354 5.376A	Land Mobile satellite (1555 – 1559 MHz)	
<b>1 660.5-1 668 MHz</b> RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	<b>1 660.5-1 668 MHz</b> RADIO ASTRONOMY SPACE RESEARCH (passive) 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)	The band 1668-1675 MHz is identified for satellite component of IMT; Res.225 applies.
<b>1 668.4-1 670 MHz</b> METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile	<b>1 668.4-1 670 MHz</b> METEOROLOGICAL AIDS MOBILE except aeronautical mobile	Radiosonde (1 668 – 1 700 MHz)	The band 1668-1675 MHz is identified for satellite component of IMT; Res.225 applies.

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MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY  5.149 5.341 5.379D 5.379E	MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY  5.149 5.341 5.379D 5.379E	IMT satellite component (1 668 – 1 675 MHz)	
<p><b>1 670-1 675 MHz</b></p> 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	<p><b>1 670-1 675 MHz</b></p> 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	Radiosonde (1 668 – 1 700 MHz)  IMT satellite component (1 668 – 1 675 MHz)	The band 1668-1675 MHz is identified for satellite component of IMT; Res.225 applies.
<p><b>1 675-1 690 MHz</b></p> METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile	<p><b>1 675-1 690 MHz</b></p> METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile	Radiosonde (1 668 – 1 700 MHz)	

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

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1 710-1 930 MHz	1 710-1 930 MHz		
FIXED	FIXED	FWA (1880 – 1900 MHz) FWA TDD (1900 – 1920 MHz) Fixed Broadband data applications (1 785 – 1 805 MHz)	Paired with BTX 1805 – 1880 MHz Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015).
MOBILE 5.384A 5.388A 5.388B	MOBILE 5.384A 5.388A NF9	IMT1800 MTX (1710 – 1785 MHz) Cordless telephones (1880 – 1900 MHz) IMT1900 TDD (1900 – 1920 MHz) IMT2100 MTX (1920 – 1980 MHz)	
		1 805-1 880 MHz IMT	Paired with 1710-1785 MHz IMT TDD applications
		1 920-1 980 MHz IMT (terrestrial)	Paired with BTX 2110 – 2170 MHz  Paired with 2110-2170 MHz
5.149 5.341 5.385 5.387 5.388	5.149 5.341 5.385 5.388		

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<p><b>1 930-1 970 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B</p> <p>5.388</p>	<p><b>1 930-1 970 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p> <p>5.388</p>	<p>IMT2100 MTX (1920 – 1980 MHz)</p>	<p>Paired with 2110 – 2170 MHz</p>
<p><b>1 970-1 980 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B</p> <p>5.388</p>	<p><b>1 970-1 980 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p> <p>5.388</p>	<p>IMT2100 MTX (1920 – 1980 MHz)</p>	<p>Paired with 2110 – 2170 MHz</p>
<p><b>1 980-2 010 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>5.388 5.389A 5.389B 5.389F</p>	<p><b>1 980-2 010 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A</p> <p>5.388 5.389A NF13</p>	<p>Fixed links (1980 – 2010 MHz) CGC/ATC fixed systems (1980 – 2010 MHz) IMT-satellite IMT (satellite) (1980-2010 MHz)</p>	<p>Paired with 2170 – 2200 MHz ) The development of satellites for IMT services to be monitored.</p>
<p><b>2 010-2 025 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B</p> <p>5.388</p>	<p><b>2 010-2 025 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p> <p>5.388</p>	<p>IMT TDD (2010 – 2025 MHz)</p>	<p>IMT TDD applications Recommendation ITU-R M.1036</p>
<p><b>2 025-2 110 MHz</b></p> <p>SPACE OPERATION (Earth-to-space) (space-to-space)</p>	<p><b>2 025-2 110 MHz</b></p>		



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<p>EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED</p> <p>MOBILE 5.391 SPACE RESEARCH (Earth-to-space) (space-to-space)</p> <p>5.392</p>	<p>FIXED NF14</p> <p>5.392</p>	<p>Fixed Links (2025 – 2110 MHz)</p>	<p>Paired with 2200 – 2285 MHz Radio Frequency channel arrangement according to ITU-R F.1098.</p>
<p><b>2 110-2 120 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B SPACE RESEARCH (deep space) (Earth-to-space)</p> <p>5.388</p>	<p><b>2 110-2 120 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p> <p>5.388</p>	<p>IMT2100 BTX (2110 – 2170 MHz)</p>	<p>Paired with 1920 – 1980 MHz Recommendation ITU-R M.1036</p>
<p><b>2 120-2 160 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B</p> <p>5.388</p>	<p><b>2 120-2 160 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p> <p>5.388</p>	<p>IMT-2100 BTX (2110 – 2170 MHz)</p>	<p>Paired with 1920 – 1980 MHz Recommendation ITU-R M.1036</p>
<p><b>2 160-2 170 MHz</b></p> <p>FIXED MOBILE 5.388A 5.388B</p>	<p><b>2 160-2 170 MHz</b></p> <p>FIXED MOBILE 5.388A NF9</p>	<p>IMT2100 BTX (2110 – 2170 MHz)</p>	<p>Paired with 1920 – 1980 MHz Recommendation ITU-R M.1036</p>

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
5.388	5.388		
<p><b>2 170-2 200 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A</p> <p>5.388 5.389A 5.389F</p>	<p><b>2 170-2 200 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A</p> <p>5.388 5.389A 5.389F NF13</p>	<p>Fixed Links (2170 – 2200 MHz) CGC/ATC fixed systems (1980 – 2010 MHz)</p> <p>IMT (satellite) (2170-2200 MHz)</p>	<p>Paired with 1980 – 2010 MHz</p>
<p><b>2 200-2 290 MHz</b></p> <p>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)</p> <p>5.392</p>	<p><b>2 200-2 290 MHz</b></p> <p>SPACE OPERATION (space-to-Earth) (space-to-space)</p> <p>FIXED NF14 MOBILE 5.391</p> <p>5.392</p>	<p>TT&amp;C received from space</p> <p>Fixed Links (2025 – 2110 MHz paired with 2200 – 2285) Fixed Links (2200 – 2285 MHz) BFWA (2 285-2 300 MHz)</p>	<p>Radio Frequency Channel arrangements in accordance with ITU-R F.1098 Paired with 2025 – 2110 MHz ITU-R Rec. F.1098 refers.</p>

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
<p><b>2 290-2 300 MHz</b></p> <p>FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)</p>	<p><b>2 290-2 300 MHz</b></p> <p>FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)</p>	<p>Fixed Links, BFWA (2 285-2 300 MHz)</p> <p>(Coordination is expected prior to the implementation of these services)</p>	
<p><b>2 300-2 450 MHz</b></p> <p>FIXED</p> <p>MOBILE 5.384A</p> <p>Amateur Radiolocation 5.150 5.282 5.395</p>	<p><b>2 300-2 450 MHz</b></p> <p>FIXED</p> <p>MOBILE 5.384A NF9</p> <p>Amateur 5.150 5.282</p>	<p>FWA (PTP/PTMP) (2307-2387 MHz)</p> <p>FWA (PTP/PTMP) (2401 – 2481 MHz)</p> <p>IMT2300 TDD (2300 – 2400 MHz)</p> <p>WLAN, FDDA and model ctrl. (2400 – 2483.5 MHz)</p> <p>Non-Specific SRDs and low power video surveillance (2400 – 2483.5 MHz)</p> <p>RFID (2 400 – 2 483.5 MHz)</p> <p>ISM applications (2400 – 2483.5 MHz)</p>	<p>Paired with 2401 – 2481 MHz 28 MHz channels OB links. Frequency co-ordination 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>International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015). Recommendation ITU-R M.1036</p>

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
<p><b>2 450-2 483.5 MHz</b></p> <p>FIXED MOBILE</p> <p>Radiolocation</p> <p>5.150</p>	<p><b>2 450-2 483.5 MHz</b></p> <p>FIXED MOBILE</p> <p>Radiolocation</p> <p>5.150</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>ISM applications (2400 – 2483.5 MHz)</p>	<p>Paired with 2307-2387 MHz</p> <p>Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015).</p>
<p><b>2 483.5-2 500 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A</p> <p>RADIODETERMINATION-SATELLITE (space-to-Earth) 5.398</p> <p>Radiolocation 5.398A</p>	<p><b>2 483.5-2 500 MHz</b></p> <p>FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A</p> <p>RADIODETERMINATION-SATELLITE (space-to-Earth) 5.398</p>	<p>Aeronautical Mobile Video surveillance</p> <p>MSS (2483.5 – 2500 MHz) 2400-2500 MHz</p> <p>Fixed links PTP/PTMP</p> <p>The band 2 400-2 500 MHz is designated for ISM applications (5.150).</p> <p>SRD applications (2 400-2 483.5 MHz)</p>	<p>Unmanned aerial vehicles only</p> <p>Some systems are paired with 1610 – 1626.5 MHz</p> <p>FS paired with 2300-2400 MHz</p> <p>The band 2483.5-2500 MHz is identified for satellite component of IMT; Res.225 applies.</p> <p>Common international SRD band; see ITU-R Rec. SM.1896</p>

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
5.150 5.399 5.401 5.402	5.150 5.399 5.402		
<b>2 500-2 520 MHz</b>  FIXED 5.410 MOBILE except aeronautical mobile 5.384A  5.412	<b>2 500-2 520 MHz</b>  MOBILE except aeronautical mobile 5.384A NF9	IMT2600 MTX (2500 – 2570 MHz)	Paired with 2620 – 2690 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Recommendation ITU-R M.1036
<b>2 520-2 655 MHz</b>  FIXED 5.410 MOBILE except aeronautical mobile 5.384A  BROADCASTING-SATELLITE 5.413 5.416  5.339 5.412 5.418B 5.418C	<b>2 520-2 655 MHz</b>  MOBILE except aeronautical mobile 5.384A NF9  5.339	IMT2600 MTX (2500 – 2570 MHz) IMT2600 TDD (2570 – 2620 MHz) IMT2600 BTX (2620 – 2690 MHz) IMT (2500-2690 MHz)	Paired with 2620 – 2690 MHz  Paired with 2500 – 2570 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Recommendation ITU-R M.1036 The band 2 500-2 690 MHz is also used for BFWA in some SADC countries

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
<p><b>2 655-2 670 MHz</b></p> <p>FIXED 5.410 MOBILE except aeronautical mobile 5.384A</p> <p>BROADCASTING-SATELLITE 5.208B 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)</p> <p>5.149 5.412</p>	<p><b>2 655-2 670 MHz</b></p> <p>MOBILE except aeronautical mobile 5.384A NF9</p> <p>Radio astronomy</p> <p>5.149</p>	<p>IMT2600 BTX (2620 – 2690 MHz); IMT (2500-2690 MHz)</p>	<p>Paired with MTX 2500 – 2570 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Recommendation ITU-R M.1036</p>
<p><b>2 670-2 690 MHz</b></p> <p>FIXED 5.410 MOBILE except aeronautical mobile 5.384A Earth exploration-satellite (passive) Radio astronomy Space research (passive)</p> <p>5.149 5.412</p>	<p><b>2 670-2 690 MHz</b></p> <p>MOBILE except aeronautical mobile 5.384A</p> <p>Radio astronomy</p> <p>5.149</p>	<p>IMT2600 MTX (2620 – 2690 MHz)</p>	<p>Paired with 2500 – 2570 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Recommendation ITU-R M.1036</p>
<p><b>2 690-2 700 MHz</b></p>	<p><b>2 690-2 700 MHz</b></p> <p>RADIO ASTRONOMY</p>		

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  5.340 5.422	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	Government Services	
<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		
<b>3 300-3 400 MHz</b>  RADIOLOCATION	<b>3 300-3 400 MHz</b>  RADIOLOCATION	Government Services	

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
5.149 5.429 5.429A 5.429B 5.430	5.149 5.429A 5.429B	IMT Res. 223 (Rev.WRC-15)	Subject to outcome of the sharing and compatibility studies called for by Resolution 223 (WRC-15) currently underway within the ITU-R, there might be a need to migrate Radars out of this band. This will be addressed through an update of the migration plan.
<p><b>3 400-3 600 MHz</b></p> <p>FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 5.430A</p> <p>Radiolocation</p> <p>5.431</p>	<p><b>3 400-3 600 MHz</b></p> <p>FIXED MOBILE 5.430A NF9</p>	IMT3500 TDD (3400 – 3600 MHz)	<p>International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015. Recommendation ITU-R M.1036 The band 3400 -3600 MHz is also used for BFWA in some SADC countries</p>
<p><b>3 600-4 200 MHz</b></p> <p>FIXED FIXED-SATELLITE (space-to-Earth)</p>	<p><b>3 600-4 200 MHz</b></p> <p>FIXED FIXED-SATELLITE (space-to-Earth)</p>	Fixed links (4 GHz) (3600 – 4200 MHz)	The sub-band 3 600-3 800 MHz could be used for BFWA where



ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
Mobile	NF14	C-band downlink (VSAT/SNG/PTP links)	frequency sharing with FS PTP and/or FSS is feasible. The channelling arrangement for PTP links in this band is based on ITU-R Recommendation F.635 Annex 1. The sub-band 3 600-4 200 MHz is used for medium and high capacity PTP links and FSS. In the band 3 600-3 800 MHz, FS PTP and FSS applications will have to operate on coordinated basis.
<b>4 200-4 400 MHz</b>  AERONAUTICAL MOBILE (R) 5.436 AERONAUTICAL RADIONAVIGATION 5.438  5.437 5.439 5.440	<b>4 200-4 400 MHz</b>  AERONAUTICAL MOBILE (R) 5.436 AERONAUTICAL RADIONAVIGATION 5.438  5.437 5.440	Radio altimeters onboard aircraft Radars	
<b>4 400-4 500 MHz</b>  FIXED  MOBILE	<b>4 400-4 500 MHz</b>  FIXED NF14  MOBILE	Fixed links (4.8 GHz) (4400 – 5000 MHz) Government services Outside Broadcast links Electronic News Gathering	
<b>4 500-4 800 MHz</b>  FIXED	<b>4 500-4 800 MHz</b>  FIXED NF14		Appendix 30B Plan

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE 5.440A	FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE NF15	Fixed links (4.8 GHz) (4400 – 5000 MHz) Government services Outside Broadcast links Electronic News Gathering	The band 4 500-4 800 MHz is part of the APP30B Plan (FSS space-to-Earth). Refer to Annex B.
<b>4 800-4 990 MHz</b>  FIXED  MOBILE 5.440A 5.442 Radio astronomy  5.149 5.339 5.443	<b>4 800-4 990 MHz</b>  FIXED NF14  MOBILE 5.442 Radio astronomy  5.149 5.339 NF15	Fixed links (4.8 GHz) (4400 – 5000 MHz) Government services  Outside Broadcast Links Electronic News Gathering Radio astronomy on 4825 – 4835 MHz and 4950 – 4990 MHz	
<b>4 990-5 000 MHz</b>  FIXED  MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive)  5.149	<b>4 990-5 000 MHz</b>  FIXED NF14  MOBILE except aeronautical mobile RADIO ASTRONOMY  5.149 NF15	Fixed links (4.8 GHz) (4400 – 5000 MHz) Government services Outside Broadcast links Electronic News Gathering	
<b>5 000-5 010 MHz</b>  AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA AERONAUTICAL RADIONAVIGATION	<b>5 000-5 010 MHz</b>  AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA AERONAUTICAL RADIONAVIGATION		