

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Comments
387-390 MHz FIXED MOBILE Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.254 5.255	387-390 MHz MOBILE NF7 Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.254 5.255	Digital Trunking (387 – 390 MHz) (Govt.)	Paired with 397 – 399.9 MHz
390-399.9 MHz FIXED MOBILE 5.254	390-399.9 MHz MOBILE NF7 5.254	Digital Trunking (Emergency) (390 – 397 MHz) (PPDR) Digital Trunking (397 – 399.9 MHz) (Govt.)	Paired with 380 – 387 MHz Paired with 387 – 390 MHz
399.9-400.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260 5.220	399.9-400.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260 5.220		
400.05-400.15 MHz STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) 5.261 5.262	400.05-400.15 MHz STANDARD FREQUENCY AND TIME SIGNAL- SATELLITE (400.1 MHz) 5.261		
400.15-401 MHz METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to- Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A	400.15-401 MHz METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to- Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A	Radio Sounding	

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5.208B 5.209 SPACE RESEARCH (space-to-Earth) 5.263 Space operation (space-to-Earth) 5.262 5.264	5.208B 5.209 SPACE RESEARCH (space-to-Earth) 5.263 Space operation (space-to-Earth) 5.264		
401-402 MHz METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	401-402 MHz METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth)	Radio Sondes Data uplink to Geostationary Satellite orbit	
402-403 MHz METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	402-403 MHz METEOROLOGICAL AIDS Mobile except aeronautical mobile	Radio Sondes Medical implants (402 – 405 MHz) Various SRD's (402 – 406 MHz)	Radio Frequency Spectrum Regulations (Annex B) (GG, No. 34172, 31 March 2011)
403-406 MHz METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	403-406 MHz METEOROLOGICAL AIDS Mobile except aeronautical mobile	Radio Sondes Medical implants (402 – 405 MHz)	Radio Frequency Spectrum Regulations (Annex

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		Various SRD's (402 – 406 MHz)	B) (GG. No. 34172, 31 March 2011)
406-406.1 MHz MOBILE-SATELLITE (Earth-to-space) 5.266 5.267	406-406.1 MHz MOBILE-SATELLITE (Earth-to-space) 5.266 5.267	EPIRB (Emergency Position Indicating Radio Beacon)	Public Locator Beacon
406.1-410 MHz FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149	406.1-410 MHz FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149	Fixed Links (406.1 – 407.625 MHz) Fixed Links (407.625 – 410 MHz) Mobile MTX (406.1 – 407.625 MHz) Mobile MTX (407.625 – 410 MHz)	Paired with 416.1 – 417.625 MHz Paired with 417.625 – 420 MHz Paired with 416.1 – 417.625 MHz Paired with 417.625 – 420 MHz (Government use for public safety)
410-420 MHz FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) 5.268	410-420 MHz FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) 5.268	Mobile MTX (410 – 413 MHz) Mobile MTX Digital Trunking (410 – 413 MHz) Mobile Data MTX (413-413.7625 MHz) Public Digital Trunking MTX (413.7625 – 416.1 MHz) Mobile BTX (416.1 – 417.625 MHz)	Paired with 420 – 423 MHz (Government Services) Paired with 420 – 423 MHz Paired with 423-423.7625 MHz Paired with 423.7625 – 426.1 MHz Paired with 406.1 – 407.625 MHz
420-430 MHz	420-430 MHz		

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<p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>Radiolocation 5.269 5.270 5.271</p>	<p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>Radiolocation</p>	<p>Single Frequency Links (426.1 – 430 MHz)</p> <p>Digital Trunked Mobile BTX (420 – 423 MHz)</p> <p>Public Mobile Data BTX (423 – 423.7625 MHz)</p> <p>Digital Public Trunking BTX (423.7625 – 426.1 MHz)</p>	<p>Frequencies will only be assigned for SF links where migration above 1 GHz would be impractical</p> <p>Paired with 410 - 413 MHz (Government use)</p> <p>Paired with 413 – 413.7625 MHz</p> <p>Paired with 413.7626 – 416.1 MHz</p>
<p>430-432 MHz</p> <p>AMATEUR</p> <p>RADIOLOCATION</p> <p>5.271 5.274 5.275 5.276 5.277</p>	<p>430-432 MHz</p> <p>AMATEUR NF8</p> <p>RADIOLOCATION</p>		<p>Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)</p>
<p>432-438 MHz</p> <p>AMATEUR</p> <p>RADIOLOCATION</p> <p>Earth exploration-satellite (active) 5.279A</p> <p>5.138 5.271 5.276 5.277 5.280 5.281 5.282</p>	<p>432-438 MHz</p> <p>AMATEUR NF8</p> <p>Amateur satellite (435 – 438 MHz)</p> <p>RADIOLOCATION</p> <p>Earth exploration-satellite (active) 5.279A</p> <p>5.138 5.282</p>	<p>Non Specific SRD including RFID (433.05 – 434.79 MHz)</p> <p>Non-Specific SRD's (433.05 – 434.79 MHz) ISM applications</p>	<p>Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)</p> <p>Spectrum Re-allocation for RFID (GG No. 31127, 5 June 2008)</p> <p>Subject to conditions in 5.282</p> <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)</p>

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438-440 MHz AMATEUR RADIOLOCATION 5.271 5.274 5.275 5.276 5.277 5.283	438-440 MHz AMATEUR NF8		Radio Frequency Spectrum Regulations (Annex I) (GG. No. 34172, 31 March 2011)
440-450 MHz FIXED MOBILE except aeronautical mobile Radiolocation 5.269 5.270 5.271 5.284 5.285 5.286	440-450 MHz FIXED MOBILE except aeronautical mobile 5.286	Telemetry / Data BTX (440 – 441 MHz) Telemetry / Data MTX (445 – 446 MHz) Single Frequency Mobile (441 – 441.1 MHz) Mobile BTX (441.1 – 445 MHz) PMR 446 (446 – 446.1 MHz) Mobile 446.1 – 450 MHz	Paired with 445 – 446 MHz (MTX) Channels 440.0125, 440.3625, 445.0125 and 445.3625 MHz are used for Agricultural Telemetry. Paired with 440 – 441 MHz (BTX) Channels 440 - 440.100 MHz and 445 – 445.1 MHz are used as simplex. Channels 440.275 MHz, 440.2875 MHz, 445.2750 MHz, 445.2875 MHz, 440.375 MHz and 445.375 MHz are roving simplex channels. Paired with 446.1 – 450 MHz (MTX) 8 channels - Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011) Paired with 441.1 – 445 MHz

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450-455 MHz FIXED MOBILE 5.286AA 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E	450-455 MHz FIXED MOBILE 5.286AA NF9 5.209 5.286 5.286A	Fixed links (450 – 453 MHz) Single Frequency Mobile (453 – 454 MHz) Paging (454 – 454.425 MHz) Trunked Mobile BTX (454.425 – 460 MHz) IMT450 (450 – 470 MHz)	Paired with 460 – 463 MHz Government Services Paired with 464.425 – 470 MHz
455-456 MHz FIXED MOBILE 5.286AA 5.209 5.271 5.286A 5.286B 5.286C 5.286E	455-456 MHz FIXED MOBILE 5.286AA NF9 5.209 5.286A	Trunked mobile BTX (454.425 – 460 MHz) IMT450 (450 – 470 MHz) Government Services	Paired with 464.425 – 470 MHz
456-459 MHz FIXED MOBILE 5.286AA 5.271 5.287 5.288	456-459 MHz FIXED MOBILE 5.286AA NF9 5.287	Trunked mobile BTX (454.425 – 460 MHz) IMT450 (450 – 470 MHz) Government Services	Paired with 464.425 – 470 MHz
459-460 MHz FIXED MOBILE 5.286AA 5.209 5.271 5.286A 5.286B 5.286C 5.286E	459-460 MHz FIXED MOBILE 5.286AA NF9 5.209 5.271 5.286A	Trunked Mobile BTX 454.425 – 460 MHz IMT450 (450 – 470 MHz) Government Services	Paired with 464.425 – 470 MHz

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<p>460-470 MHz FIXED MOBILE 5.286AA</p> <p>Meteorological-satellite (space-to-Earth) 5.287 5.288 5.289 5.290</p>	<p>460-470 MHz FIXED MOBILE 5.286AA NF9</p> <p>5.287 5.289</p>	<p>Fixed Links (460 – 463 MHz) Single Frequency Mobile (463.025 – 463.975 MHz) Low Power Mobile Radio (463.975 MHz, 464.125 MHz, 464.175 MHz, 464.325 MHz, 464.375 MHz) Single Frequency Mobile (464.375 – 464.425 MHz) Trunked Mobile MTX (464.425 – 470 MHz) IMT450 (450 – 470 MHz) Security Systems (464.5375 MHz) Non-specific SRDs (464.5 – 464.5875 MHz) Government Services</p>	<p>Paired with 450 – 453 MHz</p> <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011).</p> <p>Paired with 454.425 – 460 MHz</p> <p>Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011).</p>
<p>470-790 MHz (694 – 790) BROADCASTING</p>	<p>470-790 MHz BROADCASTING</p>	<p>Television Broadcasting (470 – 854 MHz)</p>	<p>Broadcasting Allotments in accordance with GE89 plan in the process of conversion to GE06. Broadcast assignments in accordance with the latest version of the Terrestrial Broadcasting Frequency Plan. The use of 'White Spaces' in this band is under consideration (subject to NINP basis to users under a primary allocation).</p>

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5.149 5.291A 5.294 5.296 5.300 5.304 5.306 5.311A 5.312 5.312A	RADIO ASTRONOMY 5.304 MOBILE except aeronautical mobile NF9 5.149 5.311A 5.312A	Radio Astronomy (606 – 614 MHz) IMT700 (694 – 790 MHz)	
790-862 MHz FIXED MOBILE except aeronautical mobile 5.316B 5.317A BROADCASTING 5.312 5.314 5.315 5.316 5.316A 5.319	790-862 MHz FIXED MOBILE except aeronautical mobile 5.316B 5.317A NF9 BROADCASTING 5.316A	Fixed Links (856 – 864.1 MHz) IMT800 BTX (791 – 821 MHz) Mobile Wireless Access (827.775 – 832.695 MHz) IMT800 MTX (832 – 862 MHz) Television Broadcasting (470 – 854 MHz)	The fixed links will be migrated along with the broadcasting service in line with Radio Frequency Migration Plan. Paired with 832 – 862 MHz Paired with Access (872.775 – 877.695 MHz) Paired with 791 – 821 MHz Broadcasting Allotments in accordance with GE89 plan in the process of conversion to GE06. Broadcast assignments in accordance with the latest version of the Terrestrial Broadcasting Frequency Plan.
862-890 MHz FIXED MOBILE except aeronautical mobile 5.317A	862-890 MHz FIXED MOBILE except aeronautical mobile 5.317A NF9 NF10	Fixed Links (856 – 864.1 MHz) Mobile Wireless Access (872.775 – 877.695 MHz) GSM-R (MTX) (877.695 – 880 MHz) NF10 IMT900 MTX (880 – 915 MHz) Wireless Audio systems and Wireless microphones (863 – 865 MHz) CT2 cordless phones (864.1 – 868.1 MHz) CT2 FWA (864.1 – 868.1 MHz)	Paired with 868.1 – 876 MHz Paired with 827.775 – 832.695 MHz Paired with 921 – 925 MHz Paired with 925 – 960 MHz Radio Frequency Spectrum Regulations (Annex B) (GG. No. 34172, 31 March 2011)

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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		