

Vodacom's Presentation on the draft NRFP 2017

9 February 2017





Bands designated in the ITA

678 to 790 MHz IMT700

Key:
Remove
Add

694 – 790 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
		IMT700 (694 – 790 MHz) IMT750 (733 – 758 MHz)	



790 – 863 MHz IMT800

Key:
Remove
Add

790 – 862 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	790-862 MHz FIXED MOBILE except aeronautical mobile 5.316B 5.317A	Fixed Links (856— 864.1 MHz) Mobile Wireless Access (827.775— 832.695 MHz) Television Broadcasting (470— 854 MHz) IMT850	



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Other IMT bands



450 – 470 MHz IMT450

Key:
Remove
Add

450-470 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
			<i>Typical applications will be restricted to IMT only, as of the 1st of April 2022 in accordance with the IMT450 Radio Frequency Assignment Plan (GG N. 38640) as amended 30 March 2015</i>



1427 – 1518 MHz IMT1400

Key:
Remove
Add

1427 - 1518 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	NF9	<i>IMT1400 subject to the outcome of studies under WRC-15 resolution 223.</i>	<i>IMT Res. 223 (Rev.WRC-15). This band has been identified for IMT. Typical applications will be restricted to IMT only, once the IMT1400 RFSAP has been finalized and existing services have been</i>



1710-1785 MHz // 1805-1880 MHz IMT1800

Key:
Remove
Add

1710-1930 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
		IMT 1 710-1 785 MHz IMT BFWA 1787 – 1797 MHz* 1785-1805 MHz BFWA	



1920 – 1980 MHz // 2110 – 2170 MHz IMT2100 FDD

1920 – 1980 MHz // 2110 – 2170 MHz

Vodacom requests that the Authority proceeds with the finalization of the RFSAP for IMT2100.



1900 – 1920; 2010-2025 MHz IMT2100 TDD

Key:
Remove
Add

1710-1930 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
		FWA TDD (1900— 1920 MHz) IMT1900 TDD (1880 – 1920 MHz) IMT1900 TDD (1900 — 1920 MHz)	
		1 880-1 900 MHz FWA	



3300 – 3400 MHz IMT3300

Key:
Remove
Add

3300 - 3400 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	-3300-3 400 MHz MOBILE RADIOLOCATION 5.149 5.429A 5.429B		



3400 – 3600 MHz IMT3500

Key:
Remove
Add

3400 - 3600 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	3 400-3 600 MHz FIXED MOBILE 5.430A NF9	FWA (3400 – 3600 MHz) IMT3500 (3410 – 3490 MHz) IMT3500 (3510 – 3590 MHz) IMT3500 (3400 – 3600 MHz) TDD	Paired with 3510 – 3590 MHz Paired with 3410 – 3490 MHz International Mobile Telecommunication Roadmap (GG No.38213) 14 November 2014. 3400 -3600 MHz TDD



3600 – 3800 MHz

Key:
Remove
Add

3600 - 3800 MHz			
WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	MOBILE	Terrestrial Mobile IMT	



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Digital Terrestrial Television Bands



470 – 694 MHz

470 – 694 MHz

Vodacom notes and supports the Authority's allocation of this band to Digital Terrestrial Television





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Bands Considered for 5G

5150 – 5925 MHz

Key:
Remove
Add

5150 – 5350 MHz; 5650 -5725 MHz

WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
		(indoor use only)	



24.25 – 27.5 GHz

Key:
Remove
Add

24.25 – 27.5 GHz			
WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
	MOBILE		



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V-Band



57 – 66 GHz V-band

Key:
Remove
Add

57 – 66 GHz			
WRC-15 Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
		<i>Multi-gigabit wireless systems</i>	<i>Radio Frequency Spectrum Regulations as amended (Annex B) (GG. No. 38641, 30 March 2015). Radio Frequency Spectrum Regulations Amendments, (Government Gazette Number</i>





Thank you