

No. 5-5/2024-TC/TEC
Government of India
Department of Telecommunications
Telecommunication Engineering Centre
Khurshid Lal Bhawan, New Delhi-110001
Telecom Certification Division

Dated: 26 June, 2025

Subject: Exemption pertaining to various parameters/ Interfaces of ERs under MTCTE-reg.

In continuation to this office letter No. 5-5/2024-TC/TEC dated 01.01.2025 and addendum dated 29.01.2025 with reference to the above mentioned subject, a generic exemption from submission of test reports for below mentioned test parameters/interfaces pertaining to various ERs under MTCTE has been extended/granted upto **31.12.2025** or till further orders.

S. No.	Product / ER Variant	Parameters/ Interfaces Name (as per ER)	Standard Name (as per ER)	Remarks
1.	Mobile Radio Trunking System	Frequency Band for MRTS	NFAP, Annex-C1	Exempted for - ETSI EN 300 390, ETSI EN 300 296, ETSI EN 300 341 & ETSI EN 302 561
		Conformance to standards for MRTS	ETSI EN 300 xxx, i.e. 300-086/219/113 /390 /296/341 ETSI EN 301 xxx, i.e. 301-166 ETSI EN 302 xxx. i.e. 302-561 Annex-C3	
		Max RF Power Output for MRTS Base Stn.	As per DoT/WPC license conditions, Annex C2	
2.	Repeater for Cellular Network	GSM Repeater Station Operating Frequency	NFAP. Annex-F	Exempted
		GSM Repeater Station Parameters	3GPP TS 51.026 and TS 45.005. Annex-F6	
		WCDMA Repeater Station Parameters	3GPP TS 25.143. Annex-F7	
		WCDMA Repeater Station Operating Frequency	NFAP. Annex-F	
		LTE Repeater Station Operating Frequency	NFAP. Annex-F	
		LTE Repeater Station Parameters	3GPP TS 36.143. Annex-F8	

3.	Precision Timing Protocol Grand Master Equipment	Max Peak Voltage for 10 MHz Interface	G.703 Annex-I	Exempted
		Min Peak Voltage for 10 MHz Interface	G.703 Annex-I	
		Profile for frequency synchronisation	Annex-P11	
		Profile for time and phase synchronisation with full timing support	Annex-P11	
		Profile for time and phase synchronisation with partial timing support	Annex-P11	
		Pulse Shape for 10 MHz Interface	G.703 Annex-I	
		Pulse Width for 1 PPS Interface	G.703 Annex-I	
		Rise Time for 1 PPS Interface	G.703 Annex-I	
4.	VHF UHF Radio System Equipment	Frequency for VHF or UHF equipment	NFAP. Annex-C1	Exempted for – ETSI EN 300 390, ETSI EN 300 296, ETSI EN 300 341, ETSI EN 300 698, ETSI EN 300 783, ETSI EN 300 720, ETSI EN 301 925, ETSI EN 301 178
		Conformance to standards for VHF or UHF Radio Systems	ETSI EN 300xxx i.e. 300-113/ 086/219/390/ 296/341/698/783/720 ETSI SN 301-xxx i.e.301- 783/ 925/178 Annex-C3	
		Max Transmit Power for VHF or UHF HH Stn.	As per DoT/WPC license conditions. AnnexC2	
5.	PTP PMP Microwave Fixed Radio Systems	Transmit Power for PMP Radio Interface	As per DoT/WPC license conditions. AnnexC2	Exempted
6.	ADSLx	Bit Rate for ADSLx Int.	Annex-J1	Exempted
		Bit Rate for ADSLx Int.	Annex-J1	
		Insulation Test for ADSL Int.	Annex-J1	
		Line Port impedance for ADSLx Int.	Annex-J1	
		Loop resistance for ADSLx	ETSI EN 300 001. Annex-J1	
		PSD for ADSLx Int.	Annex-J1	
		Transmitted Power At ATU-C for ADSLx Int.	Annex-J1	

7.	VDSLx	Bit Rate for VDSLx Int.	G.993.1 or G.993.2. Annex-J1	Exempted
		Line Port impedance for VDSLx Int.	G.993.1 or G.993.2 Annex-J1	
		Loop resistance for VDSLx	ETSI EN 300 001. Annex-J1	
		Profiles for VDSLx	G.993.1 or G.993.2 Annex-J1	
		PSD for VDSLx Int.	G.993.1 (Cl 6.2). G.993.2 (Cl 7.2) Ann-A B C. Annex-J1	
		Return Loss for VDSLx	G.993.1 or G.993.2 Annex-J1	
		Transmitted Power At ATU-C for VDSLx Int.	G.993.1 or G.993.2 Annex-J1	
8.	Optical Fibre (Single Mode)	Mechanical Characteristics Proof test for minimum strain level	As per variants of ER	Exempted
		Material Properties- Fiber Materials- The substances of which the fibres are made	As per variants of ER	
9.	Optical Fibre Cable	Lightning Test	FOTP-181, ITU-T K-47	Exempted
		DC Resistance	IEEE 1138: 2009	
		Short Circuit Test	IEEE 1138 : 2009/ IEC 60794- 1-2-H1	
		Lightning Arc Test	IEEE 1138 : 2009	
		Flame Spread- Bunched cable	IEC/EN 60332-3-24:2018, Cat C	
		Smoke Test / Smoke Density Test	IEC/EN 61034-2	
		Acid gas (Toxicity) (Test on toxic gases evolved during combustion of materials from cables)	IEC/EN 60754-2	
		Flame retardant	IEC TR62222 IEC 60332-1-2	
		Electrical Characteristics – Power Feeding Wires	IEC 60228, IEC 60502-1, IEC 60227-1, IEC 61156-1 IEC 61196-1-10x BS EN 50525, BS EN 60304	
		Transfer impedance and Coupling attenuation	IEC 61156-1	
		Requirements for fire performance of Optical/metallic hybrid cables should meet fire safety regulations	IEC TR 62222	

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10.	HF Radio System	Conformance to standards for HF Radio Systems	ETSI EN 300xxx i.e. 300-433 ETSI EN 301-xxx i.e. 301- 783 ETSI EN 303-xxx. i.e. 303-402 / FCC CFR47 Part 90 Annex-C3	Exempted for ETSI EN 303 402 FCC CFR47 Part 90
		Frequency for HF equipment	NFAP. Annex-C1	
		Max Transmit Power for HF Base Stn	As per DoT/WPC license conditions. Annex-C2	
		SAR for HF equipment	As per Clause 4.2.2 of TEC 13016:2023	Exempted
11.	GSO VSAT/ GSO User Terminal	Conformance to standards for Satellite	ETSI EN 301 443 ETSI EN 301 428 ETSI EN 301 459 ETSI EN 301 447 ETSI EN 302 186 ETSI EN 302 340 ETSI EN 302 977 ETSI EN 303 978 Annex-C3	Exempted
		Transmit Power - Satellite Equipment	As per DoT/WPC license conditions. Annex-C2	
12.	NGSO Terminal/ NGSO Integrated Gateway	Conformance to standards for Satellite-NGSO	ETSI EN 303 981 ETSI EN 303 980 ETSI EN 303 979 ETSI EN 303 699 Annex-C3	Exempted
13.	All applicable ERs	ER Interfaces- i) 5G NR- FR1 and FR2 interworking with other Radios ii) 5G NR (FR2)	All the parameters corresponding to these interfaces in ER	Exempted
		Insulation Resistance for SHDSL Int	G.991.2. Annex-J1	
		LCL for SHDSL Interface	G.991.2. Annex-J1	
		PSD for SHDSL Int	G.991.2. Annex-J1	
		Return Loss for SHDSL	G.991.2. Annex-J1	
		Throughput for SHDSL Interface	G.991.2. Annex-J1	
		Transmitted Power for SHDSL Int	G.991.2. Annex-J1	

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	Frequency Stability-NB-IOT	3GPP TS 36.521-1 Clause 6.5.1F	
	Maximum output power-NB-IOT	3GPP TS 36.521-1 Clause 6.2.2F	
	Operating Frequency-NB-IOT-Device Equip. shall be capable of operating in at least one of the frequency bands as per the National Freq. Allocation plan	National Frequency Allocation Plan- 2018 Frequency Allocation Table (IND 16)	
	Power Control Absolute Power Tolerance-NB-IOT	3GPP TS 36.521-1 Clause 6.3.5F.1	
	Receiver Adjacent Channel Selectivity (ACS) -NB-IOT	3GPP TS 36.521-1 Clause 7.5F	
	Receiver In-band blocking-NB-IOT	3GPP TS 36.521-1 Clause 7.6.1F	
	Receiver Reference Sensitivity level-NB-IOT	3GPP TS 36.521-1 Clause 7.3F	
	Receiver spurious emission-NB-IOT	3GPP TS 36.521-1 Clause 7.9F	
	Spectrum emissions mask-NB-IOT	3GPP TS 36.521-1 Clause 6.6.2.1F	
	Spurious emissions-NB-IOT	3GPP TS 36.521-1 Clause 6.6.3F.1-6.6.3F.2	

2. This letter may be uploaded against the respective parameters/interfaces as mentioned above on the MTCTE Portal.

This issues with the approval of Competent Authority

Rakesh
26/06/2025

(Rakesh Goyal)

Director (TC-II)

E-Mail: adgtc2-tec-dot@gov.in

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