

अनिवार्य आवश्यकतायें
संख्या: TEC4772418

Essential Requirements
ER No.: TEC4772418

Mobile Handset

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Essential Requirements for:

Mobile Handset

Certification Scheme: **GCS**

Product Fee Group: **C**

This ER covers all types of Mobile Device including Handsets, Tablets with SIM and Data Card

This product has the following variants:

1. Mobile Handset
2. Mobile Data Card or Dongle

Variant 1 : Mobile Handset

Parameters Linked with Product Variant

Parameter Name	Standard Name
IT Equipment Safety	IS 13252. IEC:60950-1. Annex-A2
Battery Safety	IS 16046. EN/IEC 62133. Annex-A3
Conducted And Radiated Emission - Class B	TEC EMI EMC Standard, CISPR 22, CISPR 32. Annex-B
Immunity to Electrostatic Discharge	TEC EMI EMC Standard, IEC:61000-4-2. Annex-B
Immunity to Radiated RF	TEC EMI EMC Standard, IEC:61000-4-3. Annex-B
IPV6 Header Parameters	RFC 2460. Annex-P5
IPV6 Extn Header Parameters	RFC 2460. Annex-P5
Dual IP Layer Operation RFC 4213 - DNS	"RFC 4213 Clause 2.1. Annex-P5"
SAR Display for Mobile Handset	Annex-M
Mobile device - Non Zero IMEI/MEID/ESN	Annex-M
Mobile Device Indian Language Support	IS 16333 (Part 3). Annex-M
Mobile Emergency Support - Call on 112	DoT order, 3GPP2 C.S0023, TS 22.101, TS 24.008. Annex-M
Mobile Emergency Support - GPS Location	G.S.R. No. 1441 (E) dated 23-11-2017. Annex-M
Mobile Emergency Support - Panic Button	G.S.R. No. 436 (E) , 3GPP TS 22.101, C.S0023. Annex-M
SAR Value for Mobile Handset	IEC 62209-1:2005, TEC/GR/SAR/001/01.MAR.09. Annex-M
Dual IP Layer Operation RFC 4213	"RFC 4213 Clause 2.1. Annex-P"

Interface 1 : CDMA

Parameter Name	Standard Name
CDMA Int Parameters	1xS0011 or EN 301 908-04 CDMA. Annex-F9
Operating Frequency for CDMA Int	NFAP. Annex-F

Interface 2 : GSM GPRS

Parameter Name	Standard Name
GSM Int Parameters	3GPP TS 51 010-1 or EN 301 511. Annex-F10
Operating Frequency for GSM Int	NFAP. Annex-F

Interface 3 : 3G

Parameter Name	Standard Name
WCDMA Int Parameters	3GPP TS 34.121-1 or EN 301 908-2. Annex-F11
Operating Frequency for 3G Int	NFAP. Annex-F

Interface 4 : LTE

Parameter Name	Standard Name
LTE Int Parameters	3GPP TS 36.521-1 or EN 301 908-13. Annex-F12
Operating Frequency for 4G Int	NFAP. Annex-F

Interface 5 : WiFi

Parameter Name	Standard Name
2.4 GHz Wideband Data Transmission Reqt	ETSI EN 300 328. FCC CFR47 pt 15.247. pt 15.249. Annex-C3
5 GHz Wireless Access Requirements	ETSI EN 301 893. FCC CFR47 pt 15.407. pt 15.249. Annex-C3
EIRP for Wifi Interface	WPC GSR. Annex-G2
Frequency for WiFi equipments	NFAP. Annex-G1

Interface 6 : Bluetooth Low Energy

Parameter Name	Standard Name
Frequency of Operation for BLE Interface	NFAP. Annex-G1
EIRP for BLE Interface	WPC GSR. Annex-G2

Variant 2 : Mobile Data Card or Dongle

Parameters Linked with Product Variant

Parameter Name	Standard Name
IT Equipment Safety	IS 13252. IEC:60950-1. Annex-A2
Conducted And Radiated Emission - Class B	TEC EMI EMC Standard, CISPR 22, CISPR 32. Annex-B
Immunity to Electrostatic Discharge	TEC EMI EMC Standard, IEC:61000-4-2. Annex-B
Immunity to Radiated RF	TEC EMI EMC Standard, IEC:61000-4-3. Annex-B

Interface 1 : CDMA

Parameter Name	Standard Name
CDMA Int Parameters	1xS0011 or EN 301 908-04 CDMA. Annex-F9
Operating Frequency for CDMA Int	NFAP. Annex-F

Interface 2 : GSM GPRS

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GSM Int Parameters	3GPP TS 51 010-1 or EN 301 511. Annex-F10
Operating Frequency for GSM Int	NFAP. Annex-F

Interface 3 : 3G

Parameter Name	Standard Name
WCDMA Int Parameters	3GPP TS 34.121-1 or EN 301 908-2. Annex-F11
Operating Frequency for 3G Int	NFAP. Annex-F

Interface 4 : LTE

Parameter Name	Standard Name
LTE Int Parameters	3GPP TS 36.521-1 or EN 301 908-13. Annex-F12
Operating Frequency for 4G Int	NFAP. Annex-F