



सत्यमेव जयते

GOVERNMENT OF INDIA
TELECOMMUNICATION ENGINEERING CENTRE
(Department of Telecommunications)
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

Certificate No. TEC/MRA/CAB/IND-D/10-I

Dated: 29/03/2019

This is to certify that M/s TUV Rheinland (India) Pvt. Ltd., Bangalore, has qualified the criteria for designation as CONFORMITY ASSESSMENT BODY (CAB), as described below, to carry out product testing activities specified in the Annex-I (A) subject to the term and condition specified in Annex-II.

CAB DESCRIPTION

Name of CAB : M/s TUV Rheinland (India) Pvt. Ltd., Bangalore
Address of CAB : **27/B, 2nd Cross Road, Electronics City Phase-I
Bengaluru-560100**
CAB Identification : IND0010
Date of Issue : 29/03/2019
Date of Expiry : Valid up to 21/11/2020 or till the validity of
Certificate issued by NABL, whichever is earlier.

D. K. Khanna
Deputy Director General (MRA)
For Designating Authority
TEC



Annexure-I (A) on dated 29/03/2019

Certificate No: TEC/MRA/CAB/IND-D/10-I dated 29/03/2019 issued to M/s TUV Rheinland (India) Pvt. Ltd., Bangalore.

Sl No	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1	Safety testing	Testing only of the following as covered in technical regulation mentioned in column 3 1. Markings & Instructions 2. Protection from electric shock & energy hazards (Protection against access to live parts) 3. Power input and current 4. Thermal Requirements (Temperature Rise) 5. Touch Current & protective conductor current (Leakage Current) 6. Electric Strength (High Voltage Test) 7. Humidity Conditioning (Humidity Test) 8. Cord anchorage and strain relief (Mechanical Strength) 9. Resistance of earthing conductors and their terminations (Earth Bond Test) 10. Clearances, creepage distances and distances through insulation 11. Resistance to abnormal heat (Ball pressure test) 12. Impulse Test	IEC 60950-1	22/11/2017


29/03/2019

		<ul style="list-style-type: none"> 13. Discharge of capacitors in equipment (Capacitor Discharge) 14. Abnormal operating and fault conditions 15. Adhesives for constructional purposes 16. Tests for resistance to heat and fire 17. Limits/ Connections of TNV circuits to other circuits (Limits of TNV circuits) 18. Voltage under normal conditions 	
2	Standards for Environmental testing of telecom equipment	<p>Testing only for the following as covered in technical regulation mentioned in column 3</p> <ul style="list-style-type: none"> 1. Free Fall test 2. Drop test 3. Topple test 4. Water Immersion test 5. Cold (Low Temperature Test) 6. Dry Heat (High Temperature Test) 7. Damp Heat Steady State test 8. Damp Heat Cyclic Test 9. Rapid Cyclic Temp Change Test 10. Salt Spray Test (Resistance against Corrosion) 11. High Altitude Test 	QM-333 ISSUE MARCH-2010
3	SAR (Specific Absorption Rate) Measurement System	All type of Testing Covered in technical regulation mentioned in Column 3	TEC/GR/SAR/001/01.MAR-09
4	New Standard on Radio Devices in unlicensed band (2.4 GHz)	All types of testing covered in technical regulations mentioned in column 3	SD/RAD-01/01.SEP 2005


29/03/2019