



**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
TELECOMMUNICATION ENGINEERING CENTRE  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001**

## **CERTIFICATE OF DESIGNATION**

**M/s TUV Rheinland (India) Pvt. Ltd. Bengaluru**  
has been assessed and designated as Conformity Assessment Body (CAB)  
for its facilities at

**108, Beside ISBR Business School, Electronic City, Phase-I, Bengaluru,  
Karnataka - 560 100**

**In the field of Testing**

Certificate No. TEC/MRA/CAB/IND-D/60

Issue Date: 13/09/2022

Valid Until: 12/09/2025

**This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.**

(To see the scope of designation of this laboratory, you may also visit TEC website [www.tec.gov.in](http://www.tec.gov.in))

**Signed for and on behalf of TEC**

**Nitin Jain  
Deputy Director General (CA)  
For Designating Authority  
TEC**

Certificate No: TEC/MRA/CAB/IND-D/60 dated 13/09/2022 issued to  
M/s TUV Rheinland (India) Pvt. Ltd. Bengaluru  
108, Beside ISBR Business School, Electronic City, Phase-I,  
Bengaluru, Karnataka -560 100



Validity: - 13/09/2022 to 12/09/2025

### Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

Some of the conditions are reiterated as under:

#### **A. Obligations of the Designated CAB.**

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)\* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

\*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

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9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
  - a) Cessation of its business of conformity assessment for which it is Designated or accredited
  - b) Changes in its legal, commercial, or Organisational status
  - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
  - d) Change of premises

## **B. REFERENCE TO DESIGNATION STATUS**

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

## **C. POST-DESIGNATION SURVEILLANCE**

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

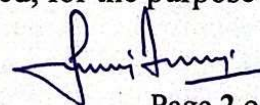
## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

1. DA shall suspend or withdraw the designation of a CAB if
  - a. Its accreditation is withdrawn.
  - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
  - c. It is guilty of any offence involving fraud or dishonesty.
  - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

## **E. AMENDMENT TO THE SCHEME**

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s TUV Rheinland (India) Pvt. Ltd., Bengaluru  
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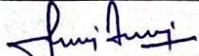
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**Validity:** 13/09/2022 to 12/09/2025

**Last Amended on:** \_\_\_\_

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
1.	EMI/EMC Testing for Telecom Equipment	Electrostatic Discharge Immunity Test IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Susceptibility Test IEC 61000-4-3	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient (EFT)/ Burst Immunity Test IEC 61000-4-4	TEC/SD/DD/EMC-221/05/OCT-16
		High Energy/ Telecom Surge Immunity Test IEC 61000-4-5	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted RF Immunity Test IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage dips, Short interruptions & Voltage variations immunity Test IEC 61000-4-11	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge Immunity Test [for carrying out the testing for CD Level-4] IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission Test CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16

  
Director (CA), TEC

  
AD (CA), TEC

**\*The validity of Certificate is up to 12/09/2025 or the continued validity of NABL Accreditation, whichever is earlier.**

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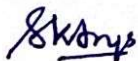
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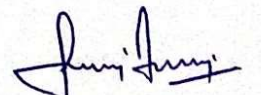
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**Last Amended on:** \_\_\_\_

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	EMI/EMC Testing for Telecom Equipment	Conducted Emission Test CISPR 22	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR 22	TEC/SD/DD/EMC-221/05/OCT-16
		DC Dips and Micro interruptions IEC 61000-4-29	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission Test CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission Test CISPR 14-1	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR 14-1	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission Test CISPR 25	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR 25	TEC/SD/DD/EMC-221/05/OCT-16



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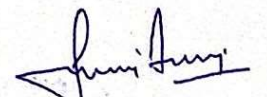
**Last Amended on:** \_\_\_\_

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
2.	Radio Conformance Testing for Equipment Operating in Frequency Band of 2.4 GHz and 5 GHz	Spurious Radiated Emissions and Restricted Bands of Operation (Cl. 15.209/15.205) (Cl. 15.407 (b)(6) & (7))	FCC (Part15) Subpart C (Cl. 15.209/15.205) FCC (Part 15) Subpart E (Cl. 15.407 (b)(6) & (7))
		Radiated Emissions and Field Strength of Fundamental Emissions [Cl. 15.225 (a)(b)(c)(d)] (Cl. 15.209)	FCC (Part15) Subpart C (Cl. 15.225 (a)(b)(c)(d)) FCC (Part 15) Subpart E (Cl. 15.209)
		Transmitter unwanted emission in the spurious domain Clause- 4.3.2.9, 4.3.1.10	ETSI EN 300 328
		Receiver spurious emissions Clause- 4.3.2.10 & 4.3.1.11	ETSI EN 300 328
		Transmitter unwanted emission outside the 5 GHz RLAN bands Clause- 4.2.4.1	ETSI EN 301 893



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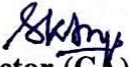
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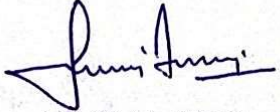
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Validity: 13/09/2022 to 12/09/2025

Last Amended on: \_\_\_\_

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Radio Conformance Testing for Equipment Operating in Frequency Band of 2.4 GHz and 5 GHz	Receiver spurious emissions Clause- 4.2.5	ETSI EN 301 893
		Transmitter unwanted emissions outside the 5725 MHz to 5875 MHz Clause- 4.2.3.1	ETSI EN 302 502
		Transmitter unwanted emissions External short circuit (battery) Clause- 4.2.5	ETSI EN 302 502

  
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