



**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 COSMIC COMPLIANCE TEST LAB PRIVATE LIMITED,
BANGALORE**

has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Sy. No.192/1, A-1, Munireddy Industrial Estate, 3rd Phase, Bommasandra
Village, Attibele Hobli, Anekal Taluk, Karnataka, Bangalore- 560 099**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/104

Issue Date: 26/12/2024

Validity: 26/12/2024 to 25/12/2027

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)

Signed for and on behalf of TEC

**Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/104 dated 26/12/2024 issued to
M/s Cosmic Compliance Test Lab Private Limited, Bangalore
Sy No.192/1, A-1, Munireddy Industrial Estate, 3rd Phase,
Bommasandra Village, Attibele Hobli, Anekal Taluk,
Karnataka, Bangalore- 560 099**



Validity: - 26/12/2024 to 25/12/2027

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 3 NO. TEC 04019:2023.

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.

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.

SCOPE OF DESIGNATION

(ANNEXURE)

Laboratory Name: M/s Cosmic Compliance Test Lab Private Limited, Bangalore
Sy No.192/1, A-1, Munireddy Industrial Estate, 3rd Phase,
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Certificate Number: TEC/MRA/CAB/IND-D/104

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Validity: 26/12/2024 to 25/12/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Electromagnetic Compatibility Standard for Telecommunication Equipment	Conducted Emission Test CISPR 11	TEC/SD/ DD/EMC-221/05/ OCT-16
		Conducted Emission Test CISPR 14-1	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 11	TEC/SD/ DD/EMC-221/05/ OCT-16
		Radiated Emission Test CISPR 14-1	TEC/SD/ DD/EMC-221/05/ OCT-16
		Radiated Emission Test CISPR 32	TEC/SD/ DD/EMC-221/05/ OCT-16
		Electrostatic Discharge Test IEC 61000-4-2	TEC/SD/ DD/EMC-221/05/ OCT-16
		Immunity to Radiated RF IEC 61000-4-3	TEC/SD/ DD/EMC-221/05/ OCT-16
		Immunity to Fast Transients (Burst) Test IEC 61000-4-4	TEC/SD/ DD/EMC-221/05/ OCT-16
		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
		AC Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests IEC 61000-4-11	TEC/SD/ DD/EMC-221/05/ OCT-16

***The validity of Certificate is up to 25/12/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

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Validity: 26/12/2024 to 25/12/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
2.	Equipment's Operating in 2.4 GHz and 5 GHz Frequency Bands	RF Output Power ETSI EN 300 328 V2.2.2 Clause: 4.3.1.2 or 4.3.2.2	TEC ER No. TEC594432407
		Occupied Bandwidth ETSI EN 300 328 V2.2.2 Clause: 4.3.1.8 or 4.3.2.7	TEC ER No. TEC594432407
		Transmitter Unwanted Emissions in the OOB Domain ETSI EN 300 328 V2.2.2 Clause: 4.3.1.9 or 4.3.2.8	TEC ER No. TEC594432407
		Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 Clause: 4.3.1.10 or 4.3.2.9	TEC ER No. TEC594432407
		Receiver Spurious Emissions ETSI EN 300 328 V2.2.2 Clause: 4.3.1.11 or 4.3.2.10	TEC ER No. TEC594432407
		Medium Utilization ETSI EN 300 328 V2.2.2 Clause: 4.3.1.6 or 4.3.2.5	TEC ER No. TEC594432407
		Geo Location Capability ETSI EN 300 328 V2.2.2 Clause: 4.3.1.13 or 4.3.2.12	TEC ER No. TEC594432407
		Occupied Bandwidth ETSI EN 301 893 V2.1.1 Clause- 4.2.2	TEC ER No. TEC594432407
		RF Output Power ETSI EN 301 893 V2.1.1 Clause- 4.2.3	TEC ER No. TEC594432407

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment's Operating in 2.4 GHz and 5 GHz Frequency Bands	Receiver Spurious Emissions ETSI EN 301 893 V2.1.1 Clause- 4.2.5	TEC ER No. TEC594432407
		Carrier Frequencies ETSI EN 301 893 V2.1.1 Clause- 4.2.1	TEC ER No. TEC594432407
		Power Density ETSI EN 301 893 V2.1.1 Clause- 4.2.3	TEC ER No. TEC594432407
		Transmitter Unwanted Emissions Outside the 5 GHz RLAN Bands ETSI EN 301 893 V2.1.1 Clause- 4.2.4.1	TEC ER No. TEC594432407
		Transmitter Unwanted Emissions Within the 5GHz RLAN Bands ETSI EN 301 893 V2.1.1 Clause- 4.2.4.2	TEC ER No. TEC594432407
		Designation of Centre Frequencies and Frequency Error ETSI EN 302 502 V2.1.1 Clause-4.2.1	TEC ER No. TEC594432407
		Transmitter RF output Power, EIRP, EIRP Spectral Density ETSI EN 302 502 V2.1.1 Clause-4.2.2	TEC ER No. TEC594432407
		Receiver Spurious Emissions ETSI EN 302 502 V2.1.1 Clause-4.2.5	TEC ER No. TEC594432407

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment's Operating in 2.4 GHz and 5 GHz Frequency Bands	RF Output Power ETSI EN 302 502 V2.1.1 Clause-4.2.2	TEC ER No. TEC594432407
3.	IoT Gateway	Interface: LPWAN - LoRa	
		Occupied Bandwidth 200 KHz (As per GSR 564 (E) ETSI EN 300 220-1 V3.1.1 Clause- 5.6.3	TEC ER No. TEC24492408
		Operating Frequency Latest NFAP 865 MHz to 867 MHz (As per WPC GSR 564(E))	TEC ER No. TEC24492408
		Effective Radiated Power ETSI EN 300 220-2 V3.2.1 Clause- 4.3.1	TEC ER No. TEC24492408
		Maximum Effective Radiated Power Spectral Density ETSI EN 300 220-2 V3.2.1 Clause- 4.3.2	TEC ER No. TEC24492408
		Duty Cycle ETSI EN 300 220-2 V3.2.1 Clause- 4.3.3	TEC ER No. TEC24492408
		Duty Cycle ETSI EN 300 220-2 V3.2.1 Clause- 4.3.3	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification	
	IoT Gateway	Interface: LPWAN – LoRa	Tx Out of Band Emissions ETSI EN 300 220-2 V3.2.1 Clause- 4.3.5 (Applies to EUT with OCW > 25 kHz.)	TEC ER No. TEC24492408
			Unwanted Emissions in the Spurious Domain ETSI EN 300 220-2 V3.2.1 Clause- 4.2.2	TEC ER No. TEC24492408
			Adjacent Channel Power ETSI EN 300 220-2 V3.2.1 Clause- 4.3.7 (Applies to EUT with OCW ≤ 25 kHz)	TEC ER No. TEC24492408
			Tx Behaviour Under Low Voltage Condition ETSI EN 300 220-2 V3.2.1 Clause- 4.3.8 (Applies to battery powered EUT.)	TEC ER No. TEC24492408
			Adaptive Power Control ETSI EN 300 220-2 V3.2.1 Clause- 4.3.9	TEC ER No. TEC24492408
			Rx Sensitivity Level ETSI EN 300 220-2 V3.2.1 Clause- 4.4.1 (Applies to EUT with polite spectrum access.)	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	Interface: LPWAN – LoRa Blocking ETSI EN 300 220-2 V3.2.1 Clause- 4.4.2	TEC ER No. TEC24492408
		Interface: NFC Receiver Spurious Emissions ETSI EN 300 330 V2.1.1 (2017-02) Clause-4.4.2	TEC ER No. TEC24492408
		Permitted Range of Operating Frequencies Latest NFAP 50 KHz to 200 KHz and/or 13.553 MHz to 13.567 MHz As per ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.1	TEC ER No. TEC24492408
		Modulation Bandwidth ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.3	TEC ER No. TEC24492408
		Transmitter H-Field 50 KHz to 200 KHz (As per WPC GSR 90 (E)) or 13.553 MHz to 13.567 MHz (As per WPC GSR 884(E)) As per ETSI EN 300 330 V2.1.1 (2017-02) Clause-4.3.4	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification	
	IoT Gateway	Interface: NFC	Transmitter Radiated E-Field ETSI EN 300 330 V2.1.1 (2017-02) Clause-4.3.6 (Only for equipment under class 3 in Clause 6.1.2)	TEC ER No. TEC24492408
		Transmitter Conducted Spurious Emissions ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.7 (Only for equipment under class 3 in Clause 6.1.2)	TEC ER No. TEC24492408	
		Transmitter Radiated Spurious Domain Emission Limits <30 MHz ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.8	TEC ER No. TEC24492408	
		Transmitter Radiated Spurious Domain Emission Limits > 30 MHz ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.9 (For equipment under class 1, 2 and 4 in Clause 6.1.2)	TEC ER No. TEC24492408	

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification	
	IoT Gateway	Interface: NFC	Transmitter Frequency Stability ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.3.10 (Only for Channelized Systems)	TEC ER No. TEC24492408
		Adjacent Channel Selectivity ETSI EN 300 330 V2.1.1 (2017-02) Clause- 4.4.3 (Only for Channelized Systems in Clause 4.4.1)	TEC ER No. TEC24492408	

AD (CA), TEC

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