



**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 SUNREN TELECOM LABORATORY, MUMBAI

(A Division of M/s Sunren Technical Solutions Pvt. Ltd.)

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

C-475 TTC Industrial Area Pawane, MIDC Navi Mumbai, Maharashtra-400705

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/68

Issue Date: 19/05/2026

Validity: 19/05/2026 to 11/01/2027

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

Digitally signed by
Sanjeev Kumar Arya
Date: 19-05-2026
11:59:59

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

Certificate No: TEC/MRA/CAB/IND-D/68 dated 19/05/2026 issued to
M/s Sunren Telecom Laboratory, Mumbai
(A Division of M/s Sunren Technical Solutions Pvt. Ltd.)
C-475 TTC Industrial Area Pawane, MIDC Navi Mumbai,
Maharashtra-400705



Validity: - 19/05/2026 to 11/01/2027

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.

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s Sunren Telecom Laboratory, Mumbai
(A Division of M/s Sunren Technical Solutions Pvt. Ltd.)
C-475 TTC Industrial Area Pawane, MIDC Navi Mumbai,
Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68

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Validity: 19/05/2026 to 11/01/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
1	IoT Gateway	Interface 5: 5G NR (FR1)	Additional spectrum emission mask-Transmitter 3GPP TS 38.521-1 Clause- 6.5.2.3
2.			Additional spurious emissions 3GPP TS 38.521-1 Clause-6.5.3.3
3.			Adjacent channel selectivity 3GPP TS 38.521-1 Clause - 7.5
4.			Adjacent channel selectivity for 2DL CA 3GPP TS 38.521-1 Clause- 7.5A.1
5.			General spurious emissions-Transmitter 3GPP TS 38.521-1 Clause- 6.5.3.1
6.			In-band Blocking for CA-2DL CA 3GPP TS 38.521-1 Clause-7.6A.2.1
7.			Inband Blocking 3GPP TS 38.521-1 Clause- 7.6.2
8.			Narrow band blocking 3GPP TS 38.521-1 Clause- 7.6.4

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
9.	IoT Gateway	Interface 5: 5G NR (FR1)	Narrow band blocking for CA-2DL C A 3GPP TS 38.521-1 Clause- 7.6A.4.1
10.			TEC ER No. TEC24492408
11.		NR ACLR 3GPP TS 38.521-1 Clause- 6.5.2.4.1	TEC ER No. T EC24492408
12.		Out-of-band blocking 3GPP TS 38.521-1 Clause 7.6.3	TEC ER No. T EC24492408
13.		Reference sensitivity power level 3GPP TS 38.521-1 Clause 7.3.2	TEC ER No. T EC24492408
14.		Reference sensitivity power level for 2 DL CA without exception 3GPP TS 38.521-1 Clause7.3A.1	TEC ER No. TEC24492408
15.		Spectrum Emission Mask-5G NR FR1 3GPP TS 38.521-1 Clause-6.5.2.2	TEC ER No. T EC24492408
16.		Spurious emission for 2DL CA 3GPP TS 38.521-1 Clause-7.9A.1	TEC ER No. T EC24492408
		Spurious emission for UE co-existence 3GPP TS 38.521-1 Clause 6.5.3.2	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
17.	IoT Gateway	Interface 5: 5G NR (FR1)	Spurious emissions-5G NR FR1 3GPP TS 38.521-1 Clause- 7.9	TEC ER No. T EC24492408
18.			Spurious response 3GPP TS 38.521-1 Clause-7.7	TEC ER No. TEC24492408
19.			Spurious response for 2DL CA 3GPP TS 38.521-1 Clause- 7.7A.1	TEC ER No. TEC24492408
20.			UE Maximum Output Power 3GPP TS 38.521-1 Clause- 6.2.1	TEC ER No. T EC24492408
21			UTRA ACLR 3GPP TS 38.521-1 Clause 6.5.2.4.2	TEC ER No. T EC24492408
22			Wide band Intermodulation 3GPP TS 38.521-1 Clause- 7.8.2	TEC ER No. T EC24492408
23			Wide band Intermodulation for CA-2D L CA 3GPP TS 38.521-1 Clause- 7.8A.2.1	TEC ER No. TEC24492408
24				Interface 21: NB-IoT

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
25	IoT Gateway	Interface 21: NB-IoT	Maximum output power-NB-IoT 3GPP TS 36.521-1 Clause-6.2.2F TEC ER No. TEC24492408
26			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) TEC ER No. TEC24492408
27			Power Control Absolute Power Tolerance-NB-IoT 3GPP TS 36.521-1 Clause- 6.3.5F.1 TEC ER No. TEC24492408
28			Receiver Adjacent Channel Selectivity (ACS) -NB-IoT 3GPP TS 36.521-1 Clause- 7.5F TEC ER No. TEC24492408
29			Receiver In-band blocking-NB-IoT 3GPP TS 36.521-1 Clause 7.6.1F TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
30	IoT Gateway	Interface 21: NB-IoT	Receiver Reference Sensitivity level-NB-IoT 3GPP TS 36.521-1 Clause- 7.3F
31		Receiver spurious emission-NB-IoT 3GPP TS 36.521-1 Clause- 7.9F	TEC ER No. TEC24492408
32		Spectrum emissions mask- NB-IoT 3GPP TS 36.521-1 Clause-6.6.2.1F	TEC ER No. TEC24492408
33		Spurious emissions- NB-IoT 3GPP TS 36.521-1 Clause- 6.6.3F.1-6.6.3F.2	TEC ER No. TEC24492408

Digitally signed by
Buddha Priya Rahul
Date: 19-05-2026
12:44:51

AD (CA-II), TEC

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