



**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 TATA ADVANCED SYSTEMS LIMITED, BENGALURU

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

42-43 Electronics City Phase 1, Hosur Road, Bengaluru-560100

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/15-1

Issue Date: 18/07/2025

Validity: 21/07/2025 to 20/07/2028

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/15-1 dated 18/07/2025 issued to
M/s TATA Advanced Systems Limited, Bengaluru
42-43 Electronics City Phase 1, Hosur Road, Bengaluru-560100**



Validity: - 21/07/2025 to 20/07/2028

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESSMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESSMENT 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 TATA Advanced Systems Limited, Bengaluru
42-43 Electronics City Phase 1, Hosur Road, Bengaluru-560100

Certificate Number: TEC/MRA/CAB/IND-D/15-I

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Validity: 21/07/2025 to 20/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
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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 CISPR 32 CISPR 14-1 CISPR 25	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission Test CISPR11 CISPR 32 CISPR 14-1 CISPR 25	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests IEC 61000-4-29	TEC/SD/DD/EMC-221/05/OCT-16
2.	Equipment operating in 2.4 GHz & 5 GHz Frequency bands	RF Output Power Clause- 4.3.1.2 and 4.3.2.2	ETSI EN 300 328
		Power Spectral Density Clause- 4.3.2.3	ETSI EN 300 328
		Duty cycle, Tx-Sequence, Tx-gap Clause- 4.3.1.3 or 4.3.2.4	ETSI EN 300 328
		Accumulated Transmit Time, Frequency occupation & Hopping Sequence Clause- 5.4.4	ETSI EN 300 328
		Hopping Frequency Separation Clause- 5.4.5	ETSI EN 300 328

***The validity of Certificate is up to 20/07/2028 or the continued validity of NABL Accreditation, whichever is earlier.**

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz & 5 GHz Frequency bands	Adaptivity Clause- 5.4.6	ETSI EN 300 328
		Occupied Channel Bandwidth Clause- 4.3.1.8 and 4.3.2.7	ETSI EN 300 328
		Transmitter unwanted emissions in the out-of-band domain Clause- 4.3.1.9 and 4.3.2.8	ETSI EN 300 328
		Transmitter unwanted emissions in the spurious domain Clause- 4.3.1.10 and 4.3.2.9	ETSI EN 300 328
		Receiver Spurious Emissions Clause- 4.3.1.11 and 4.3.2.10	ETSI EN 300 328
		Receiver Blocking Clause- 4.3.1.12 and 4.3.2.11	ETSI EN 300 328
		Geo-location capability Clause- 4.3.1.13 and 4.3.2.12	ETSI EN 300 328
		Medium Utilization Clause- 4.3.1.6 and 4.3.2.5	ETSI EN 300 328
		Designation of Centre Frequencies and Frequency Error Clause- 4.2.1	ETSI EN 301 893
		Occupied Channel Bandwidth Clause- 4.2.2	ETSI EN 301 893
		RF Output Power Clause- 4.2.3	ETSI EN 301 893

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz & 5 GHz Frequency bands	Transmit Power Control (TPC) Clause- 4.2.3	ETSI EN 301 893
		Power Density Clause- 4.2.3	ETSI EN 301 893
		Adaptivity (Channel access mechanism) both Conducted and Radiated Clause- 4.2.7	ETSI EN 301 893
		Receiver Blocking Clause- 4.2.8	ETSI EN 301 893
		Geo-location capability Clause- 4.2.10	ETSI EN 301 893
		Transmitter Unwanted Emissions outside the 5 GHz RLAN bands Clause- 4.2.4.1	ETSI EN 301 893
		Transmitter unwanted emissions within the 5 GHz RLAN bands Clause- 4.2.4.2	ETSI EN 301 893
		Dynamic frequency Selection Clause- 4.2.6	ETSI EN 301 893
		Receiver spurious emissions Clause- 4.2.5	ETSI EN 301 893
		Designation of Centre Frequencies and frequency error Clause- 4.2.1	ETSI EN 302 502

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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz & 5 GHz Frequency bands	RF Output Power, Maximum Effective Radiated Power Spectral density Clause- 4.2.2	ETSI EN 302 502
		Transmitter unwanted emissions Clause- 4.2.3	ETSI EN 302 502
		Transmitter Power Control Clause- 4.2.4	ETSI EN 302 502
		Receiver Spurious Emissions Clause- 4.2.5	ETSI EN 302 502
		Dynamic Frequency Selection (DFS) Clause- 4.2.6	ETSI EN 302 502
		Receiver Blocking Clause- 4.2.7	ETSI EN 302 502

AD (CA), TEC

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