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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 YADAV MEASUREMENTS PVT. LTD., UDAIPUR

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

Plot No. 373-375, RIICO Bhamashah Industrial Area, Kaladwas,
Udaipur- 313 003

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/27

Issue Date: 01/08/2024 **Validity: 02/08/2024 to 01/08/2027**

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

Signed by Sanjeev Kumar Arya
Date: 01-08-2024 17:11:39

Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/27 dated 01/08/2024 issued to
M/s Yadav Measurements Pvt. Ltd., Udaipur
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003.

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Validity: 02/08/2024 to 01/08/2027

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 recognized 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 Organizational 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 Yadav Measurements Pvt. Ltd., Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003.

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 1 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	**Information Technology Equipment- Safety Requirement**	Power Interface Clause- 1.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Marking and Instruction (Durability) Clause- 1.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Access to Energized Parts Clause- 2.1.1.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Access to ELV wiring Clause- 2.1.1.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Access to Hazardous Voltage Circuit Wiring Clause- 2.1.1.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Energy Hazards Clause- 2.1.1.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Manual Controls Clause- 2.1.1.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Discharge of Capacitors in Equipment Clause- 2.1.1.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Energy Hazard Clause- 2.1.1.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection in Service Access Areas Clause- 2.1.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection in Restricted Access Locations Clause- 2.1.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		SELV Circuit Clause- 2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 2 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	SELV Circuit Clause- 2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage under Normal Conditions Clause- 2.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage under Fault Conditions Clause- 2.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		TNV Circuit Clause- 2.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by Basic Insulation Clause- 2.3.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by Earthing Clause- 2.3.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by Other Construction Clause- 2.3.2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of TNV Circuits to Other Circuits Clause- 2.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Operating Voltages generated Externally Clause- 2.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Limit Values Clause- 2.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of Limited Current Circuits to Other Circuits Clause- 2.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protective Earthing Clause- 2.6.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Plot No. 373-375, RIICO Bhamashah Industrial Area,
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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 3 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Size of Protective Earthing Conductors Clause- 2.6.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Size of Protective Bonding Conductor Clause- 2.6.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance of Earthing Conductors and their Terminations Clause- 2.6.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protective Earthing and Bonding Terminals Clause- 2.6.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Short-Circuit Backup Protection Clause- 2.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection Requirements Clause- 2.8.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Inadvertent reactivation Clause- 2.8.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Switches and Relays Clause- 2.8.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Contacts gaps Clause- 2.8.7.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Overload Clause- 2.8.7.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Endurance Clause- 2.8.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength Clause – 2.8.7.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Plot No. 373-375, RIICO Bhamashah Industrial Area,
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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 4 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Humidity Conditioning Test Clause- 2.9.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Reduced Values for Functional Insulation Clause- 2.10.1.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation in Circuits generating Starting Pulses Clause-2.10.1.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Determination of Working Voltage Clause-2.10.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances: General Clause- 2.10.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances in Primary Circuits Clause- 2.10.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances in Secondary Circuits Clause- 2.10.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances in Circuits having Starting Pulses Clause- 2.10.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from an a.c. Mains Supply Clause- 2.10.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from a d.c. Mains Supply Clause- 2.10.3.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from Telecommunication Networks and Cable Distribution Systems Clause- 2.10.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Plot No. 373-375, RIICO Bhamashah Industrial Area,
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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 5 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Transient Voltages Clause- 2.10.3.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Creepage Distances Clause- 2.10.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Distances through Insulation Clause- 2.10.5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulating Compound as Solid Insulation Clause- 2.10.5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation in Wound Components Clause-2.10.5.11	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wire in Wound Components Clause-2.10.5.12	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wire with Solvent based Enamel in Wound Components Clause-2.10.5.13	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Uncoated Printed Boards Clause-2.10.6.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation between Conductors on Different Surfaces of a Printed Board Clause-2.10.6.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Conditioning Clause-2.10.8.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength Clause-2.10.8.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Cycling Clause-2.10.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 6 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Test for Pollution Degree 1 Environment and for Insulating Compound Clause-2.10.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Tests for Semiconductor Devices and for Cemented Joints Clause-2.10.11	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Enclosed and Sealed Parts Clause-2.10.12	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Current Rating and Over Current Protection Clause-3.1.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation of Conductors Clause-3.1.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Beads and Ceramic Insulators Clause-3.1.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Termination of Conductors Clause-3.1.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Multiple Supply Connections Clause-3.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Appliance Inlets Clause-3.2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Power Supply Cords Clause-3.2.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Cord Guards Clause-3.2.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 7 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Supply Wiring Space Clause-3.2.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stranded Wire Clause-3.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of Non- detachable Power Supply Cords Clause-3.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Conductor Sizes to be Connected Clause-3.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wiring Terminal Sizes Clause-3.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wiring Terminal Design Clause-3.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stability Test Clause-4.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force Test 10 N Clause-4.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force Test 30 N Clause-4.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force Test 250 N Clause-4.2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impact Test Clause-4.2.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Drop Test Clause-4.2.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 8 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Wall or Ceiling Clause- 4.2.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Handles and Manual Controls Clause- 4.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection in Operator Access Areas Clause- 4.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Temperature Tests Clause- 4.5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Temperature Limits for Materials Clause- 4.5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Touch Temperature Limits Clause- 4.5.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance to Abnormal Heat Clause- 4.5.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Adhesives for Constructional Purposes Clause- 4.6.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Materials (Resistance to Fire) Clause- 4.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electrical Requirements and Simulated Abnormal Conditions, Touch Current and Protective Conductor Current Clause- 5.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength Test Clause- 5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Abnormal Operating and Fault Conditions Clause- 5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 9 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Transformers Clause- 5.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Functional Insulation Clause- 5.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Audio Amplifiers in Information Technology Equipment Clause- 5.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Compliance Criteria for Abnormal Operating and Fault Conditions- During the Tests, After the Tests Clause- 5.3.9.1, 5.3.9.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation of the Telecommunication Network from Earth Clause- 6.1.2, 6.1.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation Requirements Clause- 6.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impulse Clause- 6.2.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady State Clause- 6.2.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection of Cable Distribution System Service Persons and Users of Other Equipment Connected to the System from Hazardous Voltages in the Equipment Clause- 7.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection of Equipment Users from Over Voltages on the Cable Distribution System Clause- 7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 10 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Voltage Surge Test Clause- 7.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impulse Test Clause- 7.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
2.	**Electromagnetic Compatibility Standard for Telecommunication Equipment**	Conducted Emission Test CISPR 11	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 32	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge (ESD) Test IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		RF Radiated Immunity Test IEC 61000-4-3	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient (EFT) Test IEC 61000-4-4	TEC/SD/DD/EMC-221/05/OCT-16
		Surge Immunity Test IEC 61000-4-5 (Power Port & Telecom Port)	TEC/SD/DD/EMC-221/05/OCT-16
		RF Conducted Immunity Test IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16

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ISO 9001:2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Pvt. Ltd., Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003.

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 11 of 11**

Validity:02/08/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Electromagnetic Compatibility Standard for Telecommunication Equipment	Voltage Dips and Short Interruptions IEC 61000-4-11 (limited to testing range of 2A only)	TEC/SD/DD/EMC-221/05/OCT-16

Signed by Sanjay Bhardwaj
Date: 01-08-2024 17:33:07

AD (CA), TEC

***The validity of Certificate is up to 01/08/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

Government of India
Department of Telecommunications
Telecommunication Engineering Centre
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

No. 1-31/2024-CA/TEC **Dated: 04.11.2024**

To,
M/s YADAV MEASUREMENTS PRIVATE LIMITED, UDAIPUR
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313003
Ph.: +91 8005787030,
E-Mail Id: sandeep.teemarva@yadavmeasurements.com

[Kind attention to Shri Sandeep Teemarva, Quality Manager]

Subject: Enhancement of Scope of CAB Designation of M/s YADAV MEASUREMENTS PRIVATE LIMITED, UDAIPUR

Ref: 1. TEC CAB Designation Certificate no. TEC/MRA/CAB/IND-D/27 dated 01.08.2024
2. Your application for renewal and enhancement of Scope of CAB Designation vide SWS ID- SW2870941739 dated 07.05.2024 submitted on NSWS CAB Designation Portal.

This is in reference to your application for renewal and enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/27 dated 02.08.2021 submitted vide SWS ID- SW2870941739 dated 07.05.2024 on NSWS CAB Designation Portal.

2. The renewal of the existing scope of designation mentioned in CAB designation certificate No. TEC/MRA/CAB/IND-D/27 dated 02.08.2021, valid upto 01.08.2024 was issued vide certificate No. TEC/MRA/CAB/IND-D/27 on dated 01.08.2024, valid upto 01.08.2027.

3. In reference to the recommendations of Site visit assessment team, the scope of designation of CAB Certificate no. TEC/MRA/CAB/IND-D/27 on dated 01.08.2024 is hereby enhanced in respect of test parameters as per detail mentioned in Annexure attached.

4. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/27 dated 01.08.2024 shall remain unchanged.

5. This issues with the approval of Competent Authority.

Digitally signed by
Sanjeev Kumar Arya
Date: 04-11-2024 10:34:27

Encl: as above

(Sanjeev Kumar Arya)
Director (CA), TEC

Copy to:
1. DDG (TC), TEC, New Delhi for kind information and necessary action please.
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information please.

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ISO 9001:2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 1 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
1.	**Electromagnetic Compatibility Standard for Telecommunication Equipment**	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's operating in 2.4 GHz and 5 GHz Frequency Bands**	**Interface: Wi-Fi**	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC59432407
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC59432407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC59432407
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC59432407
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC59432407
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC59432407

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 2 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
3.	**Mobile User Equipment**	**Interface: Wi-Fi**	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC47722408
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC47722408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC47722408
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC47722408
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC47722408
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC47722408
4.	**Smart Watch**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.2 or 4.3.2.2 ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC47722408
			Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC47722408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 3 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Smart Watch	**Interface: BLE**	Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC47722408
			Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC47722408
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.10 or 4.3.2.9	TEC ER No. TEC47722408
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.11 or 4.3.2.10	TEC ER No. TEC47722408
		Interface: Wi-Fi	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC47722408
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC47722408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC47722408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 4 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Smart Watch	**Interface: Wi-Fi**	Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC47722408
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC47722408
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC47722408
5.	**IoT Gateway**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.2 or 4.3.2.2) ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC24492408
			Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC24492408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07 Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC24492408
			Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC24492408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 5 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	IoT Gateway	**Interface: BLE**	Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.10 or 4.3.2.9	TEC ER No. TEC24492408
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.11 or 4.3.2.10	TEC ER No. TEC24492408
		Interface: LoRa	RF Output Power (EIRP) (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) < 4 W WPC GSR 564 (E)	TEC ER No. TEC24492408
			TX Max e. r. p. Spectral Density (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause- 4.3.2 (Applies to EUT using Annex B bands I, L. Applies to EUT using DSSS or wideband)	TEC ER No. TEC24492408
			Occupied Channel Bandwidth (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) 200 KHz (As per GSR 564 (E)) (Ref: ETSI EN 300 220-2 V3.2.1 Clause- 4.3.4)	TEC ER No. TEC24492408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 6 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	IoT Gateway	**Interface: LoRa**	TX out of Band Emissions (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) Clause- 4.3.5 (Applies to EUT with OCW > 25 KHz.)	TEC ER No. TEC24492408
			Unwanted Emissions in the Spurious Domain (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause- 4.2.2	TEC ER No. TEC24492408
		Interface: Wi-Fi	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC24492408
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC24492408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC24492408
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC24492408
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC24492408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 7 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: Wi-Fi** Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC24492408
6.	**Smart Electricity Meter**	**Interface: LoRa** RF Output Power (EIRP) (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) < 4 W WPC GSR 564 (E)	TEC ER No. TEC28362408
		TX Max e r p Spectral Density (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause- 4.3.2 (Applies to EUT using annex B bands I, L. Applies to EUT using DSSS or wideband)	TEC ER No. TEC28362408
		Occupied Channel Bandwidth (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) 200 KHz (As per GSR 564 (E)) (Ref: ETSI EN 300 220-2 V3.2.1 Clause- 4.3.4	TEC ER No. TEC28362408
		TX out of Band Emissions (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) Clause 4.3.5 (Applies to EUT with OCW > 25 KHz.)	TEC ER No. TEC28362408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 8 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Smart Electricity Meter	**Interface: LoRa**	Unwanted Emissions in the Spurious Domain (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause 4.2.2	TEC ER No. TEC28362408
7.	**Smart Camera**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.2 or 4.3.2.2 ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC28822407
			Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC28822407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC28822407
			Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC28822407
			Transmitter unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.10 or 4.3.2.9	TEC ER No. TEC28822407
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.11 or 4.3.2.10	TEC ER No. TEC28822407

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 9 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Smart Camera	**Interface: Wi-Fi**	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC28822407
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC28822407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC28822407
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC28822407
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC28822407
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC28822407
8	**Point of Sale Devices**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.2 or 4.3.2.2) ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC17672407

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 10 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Point of Sale Devices	**Interface: BLE**	Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC17672407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC17672407
			Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC17672407
			Transmitter unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.10 or 4.3.2.9	TEC ER No. TEC17672407
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.11 or 4.3.2.10	TEC ER No. TEC17672407
		Interface: Wi-Fi	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC17672407
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC17672407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC17672407

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
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Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 11 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Point of Sale Devices	**Interface: Wi-Fi**	Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC17672407
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC17672407
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC17672407
9.	**Tracking Device**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.2 or 4.3.2.2) ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC28732408
			Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC28732408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC28732408
			Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC28732408

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ISO 9001:2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Yadav Measurements Private Limited, Udaipur**
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003

Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 12 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Tracking Device	**Interface: BLE**	Transmitter unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.10 or 4.3.2.9	TEC ER No. TEC28732408
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.11 or 4.3.2.10	TEC ER No. TEC28732408
		Interface: LoRa	RF Output Power (EIRP) (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) < 4 W WPC GSR 564 (E)	TEC ER No. TEC28732408
			TX Max e. r. p. Spectral Density (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause- 4.3.2 (Applies to EUT using annex B bands I, L. Applies to EUT using DSSS or wideband)	TEC ER No. TEC28732408
			Occupied Channel Bandwidth (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) 200 KHz (As per GSR 564 (E)) (Ref: ETSI EN 300 220-2 V3.2.1 Clause- 4.3.4)	TEC ER No. TEC28732408

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 13 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Tracking Device	**Interface: LoRa**	TX out of Band Emissions (Conducted Mode) ETSI EN 300 220-2 V3.2.1 (2018-06) Clause- 4.3.5 (Applies to EUT with OCW > 25 kHz.)	TEC ER No. TEC28732408
			Unwanted Emissions in the Spurious Domain (Conducted Mode) ETSI EN 300 220-2 V3.2.1 Clause- 4.2.2	TEC ER No. TEC28732408
		Interface: Wi-Fi	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC28732408
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC28732408
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC28732408
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC28732408
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC28732408

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 14 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Tracking Device	**Interface: Wi-Fi** Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC28732408
10	**IP Multimedia Conferencing Equipment**	**Interface: Wi-Fi** RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC34622401
		Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC34622401
		Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC34622401
		Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC34622401
		Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC34622401
		Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC34622401
11	**Router**	**Interface: Wi-Fi** RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC37682410
		Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC37682410

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 15 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Router	**Interface: Wi-Fi**	Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC37682410
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC37682410
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC37682410
			Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC37682410
12.	**Conferencing and Presentation Equipment**	**Interface: BLE**	RF Output Power (EIRP) ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.1.2 or 4.3.2.2) ≤ 1 W (30dBm) As per WPC GSR 45(E)	TEC ER No. TEC12832407
			Power Spectral Density ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.2.3 (Only for non-FHSS equipment)	TEC ER No. TEC12832407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.8 or 4.3.2.7	TEC ER No. TEC12832407

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 16 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Conferencing and Presentation Equipment	**Interface: BLE**	Transmitter Unwanted Emissions in OOB Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.9 or 4.3.2.8	TEC ER No. TEC12832407
			Transmitter unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.10 or 4.3.2.9	TEC ER No. TEC12832407
			Receiver Spurious Emission ETSI EN 300 328 V2.2.2 (2019-07) Clause- 4.3.1.11 or 4.3.2.10	TEC ER No. TEC12832407
		Interface: Wi-Fi	RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC12832407
			Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC12832407
			Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC12832407
			Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC12832407
			Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC12832407

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Certificate Number: TEC/MRA/CAB/IND-D/27 **Page 17 of 17**

Validity: 04/11/2024 to 01/08/2027 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Conferencing and Presentation Equipment	**Interface: Wi-Fi** Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC12832407
13.	**PON Family of Broadband Equipment**	**Interface: Wi-Fi** RF Output Power ETSI EN 300 328 V2.2.2 Clause- 4.3.1.2, 4.3.2.2, 5.4.2	TEC ER No. TEC14762407
		Power Spectral Density ETSI EN 300 328 V2.2.2, Clause- 4.3.2.3, 5.4.3	TEC ER No. TEC14762407
		Occupied Channel Bandwidth ETSI EN 300 328 V2.2.2, Clause- 4.3.1.8, 4.3.2.7, 5.4.7	TEC ER No. TEC14762407
		Transmitter Unwanted Emissions in the Out-of-Band Domain (Conducted/ Radiated mode) ETSI EN 300 328 V2.2.2, Clause- 4.3.1.9, 4.3.2.8, 5.4.8	TEC ER No. TEC14762407
		Transmitter Unwanted Emissions in the Spurious Domain ETSI EN 300 328 V2.2.2, Clause- 4.3.1.10, 4.3.2.9, 5.4.9	TEC ER No. TEC14762407
		Receiver Spurious Emissions ETSI EN 300 328 V2.2.2, Clause- 4.3.1.11, 4.3.2.10, 5.4.10	TEC ER No. TEC14762407

Digitally signed by Sanjay Bhardwaj
Date: 04-11-2024 10:42:15

AD (CA), TEC

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