



**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 Alpha Test House Private Limited, Bahadurgarh, Haryana
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/69

Issue Date: 22/03/2024

Validity: 15/03/2024 to 14/03/2027

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. This Certificate is issued on account of acquisition of existing business of M/s Alpha Test House, Bhadurgarh (Partnership firm) by M/s Alpha Test House Private Limited, Bhadurgarh.

(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

**Vijay Dixit
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/69 dated 22/03/2024 issued to
M/s Alpha Test House Private Limited,
198-199, M.I.E., Phase-I, Bhadurgarh-124507, Haryana**



Validity: - 15/03/2024 to 14/03/2027

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.

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



ISO 9001: 2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 1 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
1	Information Technology Equipment- Safety Requirement	Verification of Components Clause- 1.5 except 1.5.3, 1.5.6, 1.5.9.1	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Power Interface Clause- 1.6	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Verification of Markings and Instructions Clause- 1.7	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Protection from Hazards (Electric Shock & Energy Hazard) Clause- 2.1	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		SELV Circuits Clause- 2.2	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		TNV Circuit Clause- 2.3	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Limited Current Circuit Clause- 2.4	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Limited Power Sources Clause- 2.5	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Provisions for Earthing and Bonding Clause- 2.6	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Over Current and Earth Fault Protection in Primary Circuits Clause- 2.7	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Safety Interlocks Clause- 2.8 except 2.8.5, 2.8.7	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Electrical Insulation Clause- 2.9	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Clearances and Creepage Distances and Distance through Insulation Clause- 2.10 except 2.10.5.4	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Wiring, Connections and Supply Clause- 3.1	IEC 60950-1: 2005 +A1 :2009 + A2:2013

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 2 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Connections to main supply Clause- 3.2	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Disconnection from main supply Clause- 3.4	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Interconnection of Equipment Clause- 3.5	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Physical Requirements Stability Clause- 4.1	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Mechanical Strength Clause- 4.2 except 4.2.8	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Verification of Design and Construction Clause- 4.3 except 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Protection against Hazardous Moving Parts Clause- 4.4	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Thermal Requirements Clause- 4.5	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Opening in Enclosure Clause- 4.6	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Resistance to Fire Clause- 4.7	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Electrical Requirements & Simulated Abnormal Conditions, Touch Current and Protective Conductor Current Clause- 5.1	IEC 60950-1: 2005 +A1 :2009 + A2:2013
		Electric Strength 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
		Connection to Telecommunication Network Clause- 6.0	IEC 60950-1: 2005 +A1 :2009 + A2:2013

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 3 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Information Technology Equipment- Safety Requirement	Connection to Cable Distribution Networks Clause- 7.0	IEC 60950-1: 2005 +A1 :2009 + A2:2013
2.	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Energy Source Classification Clause- 4.2	IEC-62368-1: 2018
		Protection against Energy Sources Clause- 4.3	IEC-62368-1: 2018
		Safeguards Clause- 4.4	IEC-62368-1: 2018
		Fixing of Conductors Clause- 4.6	IEC-62368-1: 2018
		Equipment for Direct Insertion into Mains Socket-Outlets Clause- 4.7	IEC-62368-1: 2018
		Stress Relief Test Clause- 4.8.4.2	IEC-62368-1: 2018
		Battery Replacement Test Clause- 4.8.4.3	IEC-62368-1: 2018
		Drop Test Clause- 4.8.4.4	IEC-62368-1: 2018
		Impact Test Clause- 4.8.4.5	IEC-62368-1: 2018
		Crush Test Clause- 4.8.4.6	IEC-62368-1: 2018
		Compliance Criteria (Force Test) Clause- 4.8.5	IEC-62368-1: 2018
		Likelihood of Fire or Shock due to Entry of Conductive Object Clause- 4.9	IEC-62368-1: 2018

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE**
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



ISO 9001: 2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 4 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Components Requirements Clause- 4.10	IEC-62368-1: 2018
		Steady-State Voltage and Current Limits Clause- 5.2.2.2	IEC-62368-1: 2018
		Accessibility to Electrical Energy Sources and Safeguards Clause- 5.3.2	IEC-62368-1: 2018
		Maximum Operating Temperature (Temperature Measurement) Clause- 5.4.1.4	IEC-62368-1: 2018
		RMS Working Voltage/Peak Working Voltage (Working Voltage) Clause- 5.4.1.8.2/5.4.1.8.3	IEC-62368-1: 2018
		Insulating Surfaces Clause- 5.4.1.9	IEC-62368-1: 2018
		Vicat Softening test Clause- 5.4.1.10.2	IEC-62368-1: 2018
		Ball Pressure Test Clause- 5.4.1.10.3	IEC-62368-1: 2018
		Clearance, Creepage Clause- 5.4.2, 5.4.3, 5.4.4	IEC-62368-1: 2018
		Solid Insulation Clause- 5.4.4	IEC-62368-1: 2018
		Antenna Terminal Insulation Clause- 5.4.5	IEC-62368-1: 2018
		Insulation of Internal Wire Clause- 5.4.6	IEC-62368-1: 2018
		Humidity Conditioning Clause- 5.4.8	IEC-62368-1: 2018
		Electric Strength Test Clause- 5.4.9	IEC-62368-1: 2018

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 5 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Impulse Test Clause- 5.4.10.2.2	IEC-62368-1: 2018
		Steady State Test (Electric Strength Test) Clause- 5.4.10.2.3	IEC-62368-1: 2018
		Separation between External Circuits and Earth Clause-5.4.11	IEC-62368-1: 2018
		Components as Safeguards Clause- 5.5	IEC-62368-1: 2018
		Corrosion Clause- 5.6.5.2	IEC-62368-1: 2018
		Resistance of the Protective Bonding System (Earth Bond Test) Clause- 5.6.6	IEC-62368-1: 2018
		Prospective Touch Voltage, Touch Current and Protective Conductor Current Clause- 5.7	IEC-62368-1: 2018
		Power Source Circuit Classification Clause- 6.2.2.2	IEC-62368-1: 2018
		Classification of Potential Ignition Source Clause 6.2.3	IEC-62368-1: 2018
		Safeguards against Fire under Normal Operating Conditions and Abnormal Operating Conditions Clause- 6.3	IEC-62368-1: 2018
		Safeguards against Fire under Single Fault Conditions Clause- 6.4	IEC-62368-1: 2018
		Fire Enclosures and Fire Batteries Clause- 6.4.8	IEC-62368-1: 2018

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 6 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Top Opening and Top Opening Properties Clause- 6.4.8.3.3	IEC-62368-1: 2018
		Internal and External Wiring Clause- 6.5	IEC-62368-1: 2018
		Safeguards against Fire due to the Connection of Additional Equipment Clause- 6.6	IEC-62368-1: 2018
		Mechanical Energy Source Classification Clause-8.2	IEC-62368-1: 2018
		Safeguards against Parts with Sharp Edges and Corners Clause- 8.4	IEC-62368-1: 2018
		Safeguards against Moving Parts Clause- 8.5.1, 8.5.2, 8.5.3	IEC-62368-1: 2018
		Special Categories of Equipment containing Moving Parts Clause- 8.5.4	IEC-62368-1: 2018
		Stability of Equipment Clause- 8.6	IEC-62368-1: 2018
		Glass Side Test Clause-8.6.4	IEC-62368-1: 2018
		Horizontal Force Test Clause- 8.6.5	IEC-62368-1: 2018
		Equipment Mounted to a Wall or Ceiling Clause- 8.7	IEC-62368-1: 2018
		Handle Strength Clause- 8.8	IEC-62368-1: 2018
		Wheels or Casters attachment Requirements Clause- 8.9	IEC-62368-1: 2018
Cart, Stand or Carrier Loading Test Clause- 8.10.3	IEC-62368-1: 2018		

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE**
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 7 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Mounted means for Rack Mounted Equipment Clause- 8.11	IEC-62368-1: 2018
		Telescoping or Rod Antennas Clause- 8.12 (Annex T.11)	IEC-62368-1: 2018
		Touch Temperature Limit Clause-9.3	IEC-62368-1: 2018
		Safeguards against Thermal Energy Sources Clause- 9.4	IEC-62368-1: 2018
		Requirements for Safeguards Clause- 9.5	IEC-62368-1: 2018
		Requirements for Wireless Power Transmitters Clause- 9.6	IEC-62368-1: 2018
		Input Test (Annex B.2.5)	IEC-62368-1: 2018
		Test conditions for Equipment Containing Audio Amplifiers (Annex E)	IEC-62368-1: 2018
		Equipment Markings, Instructions and Instructional Safeguards (Annex F)	IEC-62368-1: 2018
		Criteria for Telephone Ringing Signals (TNV Circuit Test) Annex H	IEC-62368-1: 2018

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**



SCOPE OF DESIGNATION (ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 8 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
3.	Safety Requirement for Electrical Equipment for Measurement, Control and Laboratory use	Marking and Documentation Clause- 5	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Determination of Accessible Parts Clause- 6.2	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Limit Values for Accessible Parts Clause- 6.3	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Primary Means of Protection Clause- 6.4	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Additional means of Protection in case of Single Fault Condition Clause- 6.5	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Connection to External Circuit Clause- 6.6	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Insulation Requirements (Clearance & Creepage Distances) Clause- 6.7	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Procedure for Voltage Test Clause- 6.8	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Constructional Requirements for Protection against Electric Shock Clause- 6.9	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Connection to the Mains Supply Source and Connection between Parts of Equipment Cord Entry Test Clause- 6.10	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Disconnection of Main Supply Clause- 6.11	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Sharp Edges Clause- 7.2	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Moving Parts Clause- 7.3	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 9 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
	Safety Requirement for Electrical Equipment for Measurement, Control and Laboratory use	Stability Clause- 7.4	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Provision for Lifting and Carrying Clause- 7.5	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Wall Mounting Clause- 7.6	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Expelled Parts Clause- 7.7	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Enclosure Rigidity Tests Clause- 8.2	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Drop Test Clause- 8.3	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Elimination or Reducing the Source of Ignition within the Equipment Clause- 9.2	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Contamination of Fire within Equipment Clause- 9.3	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Limited Energy Circuit Clause- 9.4	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Requirements for Equipment containing or using Flammable Liquids Clause- 9.5	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Over Current Protection Clause- 9.6	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Equipment Temperature Limits and Resistance to Heat Clause- 10	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Components and Sub-Assemblies Clause- 14	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Protection by Interlocks Clause- 15	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE**
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



ISO 9001: 2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 10 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
	Safety Requirement for Electrical Equipment for Measurement, Control and Laboratory use	Hazards Resulting from Application Clause- 16	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
		Risk Assessment Clause- 17	IEC 61010-1 (Ed 3.1): 2010 + A1: 2016
4.	EMI/EMC Testing for Telecom Equipment	Electrostatic Discharge Immunity Test IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated, Radio-Frequency, Electromagnetic Field Immunity Test IEC 61000-4-3	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient/Burst Immunity 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
		Immunity to Conducted Disturbances, induced by Radio-Frequency Fields IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage Dips, Short Interruption and Voltage Variations Immunity Tests IEC 61000-4-11	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage Dips Short Interruption & Voltage Variations Immunity Test on DC Input Power Port Immunity Tests IEC 61000-4-29	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 22	TEC/SD/DD/EMC-221/05/OCT-16

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 11 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	EMI/EMC Testing for Telecom Equipment	Conducted Emission CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 14-1	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 22	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 14-1	TEC/SD/DD/EMC-221/05/OCT-16
5. Equipment Operating in 2.4 GHz and 5GHz Frequency Bands	Accumulated Transmit Time, Frequency Occupation and Hopping Sequence Clause- 4.3.1.4 & 5.3.4	ETSI EN 300 328	
	Adaptivity Clause- 4.3.1.7 or 4.3.2.6 & 5.3.7	ETSI EN 300 328	
	Duty Cycle, Tx Sequence, Tx-gap Clause- 4.3.1.3, 4.3.2.4 & 5.3.2	ETSI EN 300 328	
	Hopping Frequency Separation Clause- 4.3.1.5 & 5.3.5	ETSI EN 300 328	
	Medium Utilization Clause- 4.3.1.6, 4.3.2.5 & 5.3.2	ETSI EN 300 328	
	Occupied Channel Bandwidth Clause- 4.3.1.8, 4.3.2.7 & 5.3.8	ETSI EN 300 328	
	Power Spectral Density (Conductive only) Clause- 4.3.2.3 & 5.3.3	ETSI EN 300 328	
	Receiver Blocking Clause- 4.3.1.12, 4.3.2.11 & 5.3.7	ETSI EN 300 328	

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

(ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 12 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/ Specification
	Equipment Operating in 2.4 GHz and 5GHz Frequency Bands	Receiver Spurious Emission Clause- 4.3.1.11, 4.3.2.10 & 5.3.11	ETSI EN 300 328
		RF output Power (Conductive only) Clause- 4.3.1.2 & 4.3.2.2, 5.3.2	ETSI EN 300 328
		Transmitter unwanted Emission in Spurious Domain Clause- 4.3.1.10, 4.3.2.9 & 5.3.10	ETSI EN 300 328
		Transmitter unwanted Emission in OOB Domain Clause- 4.3.1.9, 4.3.2.8 & 5.3.9	ETSI EN 300 328
		RF Power output, Transmit Power Control (TPC), Power Density Clause- 4.2.3	ETSI EN 301 893
		Adaptivity Clause- 4.2.7	ETSI EN 301 893
		Carrier Frequencies Clause- 4.2.1	ETSI EN 301 893
		Dynamic Frequency Selection (DFS) Clause- 4.2.6	ETSI EN 301 893
		Nominal and Occupied Channel Bandwidth Clause- 4.2.2	ETSI EN 301 893
		Receiver Blocking Clause- 4.2.8	ETSI EN 301 893
		Receiver Spurious Emission Clause- 4.2.5	ETSI EN 301 893
		Transmitter Unwanted Emissions outside the 5GHz RLAN Bands Clause- 4.2.4.1	ETSI EN 301 893

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION (ANNEXURE)

Laboratory Name: M/s Alpha Test House Private Limited
198-199, M.I.E., Phase-I, Bahadurgarh-124507, Haryana

Certificate Number: TEC/MRA/CAB/IND-D/69

Page 13 of 13

Validity: 15/03/2024 to 14/03/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Equipment Operating in 2.4 GHz and 5GHz Frequency Bands	Transmitter Unwanted Emissions within the 5GHz RLAN Bands Clause- 4.2.4.2	ETSI EN 301 893
		Designation of Centre Frequencies and Frequency Error Clause- 4.2.1	ETSI EN 302 502
		Dynamic Frequency Selection (DFS) Clause- 4.2.6	ETSI EN 302 502
		Transmitter Power Control (Conductive only) Clause- 4.2.4	ETSI EN 302 502
		Transmitter RF Output Power, EIRP and EIRP Spectral Density (Conductive only) Clause- 4.2.2	ETSI EN 302 502

AD (CA), TEC

***The validity of Certificate is up to 14/03/2027 or the continued validity of NABL Accreditation, whichever is earlier.**