



Telecom Devices

- BTH is equipped with complete testing facilities for Telecom Devices as per National & International Standards .



BHARAT TEST HOUSE Pvt. Ltd.

NABL ACCREDITED & BIS RECOGNISED, ISO 9001, ISO 14001 & ISO 45001 CERTIFIED LAB



Recognised



Telecom Devices



Telecommunication Engineering Centre, Department of Telecom has implemented Mandatory Testing and Certification of Telecom Equipment (MTCTE). Telecom equipment manufacturers are obliged to go for TEC registration by getting their products tested as per listed Essential Requirements (ER's) and applying for registration with TEC.

The Essential Requirements (ER) to be complied for the purpose of certification under this procedure include:

1. **General Requirements:** (a) EMI/EMC (b) Safety
2. **Security Requirements**
3. **Technical Requirements**
4. **Other Requirements:** SAR, ROHS, IPv6, etc.

Facility covers National and International standards namely :

RFC 791, RFC 793,
RFC 2719, RFC 2460,
RFC 3261, RFC 3550,
RFC 3551, RFC 4213,
RFC 4960, IS 13252,
IS 16046, RFC 768,
IEEE 802.3, EN 55022,
IEC 621333, IEC 62368-1,
IEC 60950-1, IEC 61000-4-2,
IEC 61000-4-3,4,5,6,11,29

ITU-T-G 703,
ITU-T-G 823,
CISPR 22/32,
ETSI TBC 21,
ETSI EN 300 001,
ETSI EN 300 328,
ETSI EN 300 330,
ETSI EN 301 893,
etc.

BTH test facility was designated as domestic **CAB** (Conformity Assessment Body) by **TEC** (Telecom Engineering Center) **DOT** (Department of Telecom) Govt. in India, in 2016. Telecom facility is equipped with Combined Telecom Equipment Tester (Herman Laboratory Tele-conformance Analyzer). The facility covering wide range of Essential Requirements (ER's) also includes EMC Compliance such as CISPR 11 and CISPR 22, CISPR 32, ITU Standard Testing, SAR, IPv6, RoHS and testing as per CE Marking requirements for Telecom Equipment.

BTH covers the following Test and parameters for Telecom Equipments:

- **Surge**
- **Pulse Shape**
- **B8DZ Coding**
- **HDB3 Coding**
- **Jitter Tolerance**
- **Leakage Current**
- **Bit rate accuracy**
- **Line Rate accuracy**
- **Transverse Balance**
- **Receiver Sensitivity**
- **On Hook Impedance**
- **Longitudinal Balance**
- **Pulse Code Modulation**
- **Signal Power Limitations**
- **Return Loss at input port**
- **Return Loss at output port**
- **Immunity against signal reflections**
- **Maximum peak to peak jitter at output port**

Telephones, Analog And Digital Modems & T1/E1/ADSL, etc.

Radio Frequency & Optical Tele-Communication Products, etc.

Antenna, Optical Testing, etc.

Tele-communication, Analog, Digital & XDSL ADSL Devices Interface at 1544 kbits/s 2048 kbits/s, etc.

WE OFFER SINGLE WINDOW SERVICE

Lab 1:
781, HSIIDC,
Industrial Estate,
Rai, Distt. Sonipat,
Haryana-131029.



Lab 2:
1474, HSIIDC,
Industrial Estate,
Rai, Distt. Sonipat,
Haryana-131029.

Lab 3:
1668, HSIIDC,
Industrial Estate,
Rai, Distt. Sonipat,
Haryana-131029.

Lab 4:
1668(DIV-II), HSIIDC,
Industrial Estate,
Rai, Distt. Sonipat,
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Lab 5:
26, Wazirpur,
Industrial Area,
Wazirpur,
Delhi-110052.