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# Accredited Laboratory

A2LA has accredited

## HERMON LABORATORIES

*Binyamina, Israel*

for technical competence in the field of

### Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 10th day of June 2009.



A handwritten signature in black ink, appearing to read "Peter Abaya".

President & CEO  
For the Accreditation Council  
Certificate Number 0839.01  
Valid to March 31, 2011

*For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ELECTRICAL

Valid to: March 31, 2011

Certificate Number: 0839.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic compatibility, radio, telecom, product safety and environmental tests:

<u>Test Technology</u>	<u>Test Method</u>
<b>Radio tests</b>	
Radio frequency device	CFR 47:08 Part 15 subparts C/E/F using, ANSI C63.4:03; CFR 47:08 Parts 21, 22, 24, 27, 95, 101
Private Land Mobile radio services	CFR 47:08 Part 90 using, TIA/EIA 603-C:04
Low power license-exempt radio communication devices (all frequency bands)	RSS-210:07 Issue 7; RSS Gen Issue 2:07
Land Mobile and Fixed Radio Transmitters and Receivers, 27.41 MHz to 960.0 MHz	RSS-119:07 Issue 9
Canada Radio Standards Specification	RSS-102 Issue 2:05; ( <i>Excluding SAR</i> ); RSS-102 Issue 3:09; ( <i>Excluding SAR</i> ); RSS-118 Issue 2:90; RSS-123 Issue 1:99; RSS-125 Issue 2:00; RSS-193 Issue 1:03; RSS-195 Issue 1:04; RSS-310 Issue 2:07; RSS-137 Issue 2:09
Radio equipment and systems - Short range devices	AS/NZS 4268:08
Analogue speech (angle modulated) equipment operating in land mobile and fixed services bands in the frequency range 29.7 MHz to 1 GHz	AS/NZS 4295:04 + A1:06
Data transmission equipment operating in the 900 MHz, 2.4 GHz and 5.8 GHz bands and using spread spectrum modulation techniques	AS/NZS 4771:00 + A1:03
Digital radio equipment operating in land mobile and fixed services bands in the frequency range 29.7 MHz to 1 GHz Part 1	AS/NZS 4768.1:06; AS/NZS 4768.2:03
Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW	EN 300 220-1 V2.1.1:06; EN 300 220-2 V2.1.2:07
Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz	EN 300 330-2 V1.3.1:06; EN 300 330-1 V1.3.1:06

<b>Test Technology</b>	<b>Test Method</b>
Radio equipment to be used in the 1 GHz to 40 GHz frequency range	EN 300 440-1 V1.4.1:08; EN 300 440-2 V1.2.1:08
Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech	EN 300 086-1 V1.3.1:08; EN 300 086-2 V1.2.1:08
Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector	EN 300 113-1 V1.6.1:07; EN 300 113-2 V1.4.1:07
Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna	EN 300 390-1 V1.2.1:00; EN 300 390-2 V1.1.1:00
WB Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques	EN 300 328 V1.7.1:06
Fixed Radio Systems; Point-to-point equipment	EN 301 126-1 V1.1.2:99
Fixed Radio Systems; Conformance testing	EN 301 126-2-1 V.1.1.1:00
Point-to-Multipoint equipment- FDMA equipment	EN 301 126-2-2 V.1.1.1:00
Point-to-Multipoint equipment - Test procedures for TDMA equipment	EN 301 126-2-3 V.1.2.1:04
Point-to-Multipoint equipment - Test procedures for FH-CDMA equipment	EN 301 126-2-4 V.1.1.1:00
Point-to-Multipoint equipment - Test procedures for DS-CDMA equipment	EN 301 126-2-5 V.1.1.1:00
Point-to-Multipoint equipment - Test procedures for MC-TDMA equipment	EN 301 126-2-6 V.1.1.1:02
Fixed Radio Systems; Point-to-Multipoint Systems; Spurious emissions and receiver immunity limits at equipment/antenna port of digital Fixed Radio Systems	EN 301 390 V1.2.1:03
Point-to-multipoint equipment and antennas	EN 302 326-2 V1.2.2:07
Fixed Radio Systems; Characteristics and requirements for point to point equipment/antennas	EN 302 217-2-2 V1.2.3:07; EN 302 217-3 V1.1.3:05
Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN	EN 301 893 V1.4.1:07; EN 301 893 V1.5.1:08
Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive	EN 301 511 V9.0.2:03; (Spurious Emissions)
Broadband Radio Access Networks (BRAN); 5,8 GHz fixed broadband data transmitting systems	EN 302 502 V1.2.1:08
Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operation in the band 865 MHz to 868 MHz with power level up to 2 W	EN 302 208-1 V1.2.1:08; EN 302 208-2 V1.2.1:08
Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	EN 301 839-2 V1.2.1:07

<b>Test Technology</b>	<b>Test Method</b>
Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Medical Data Service Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	EN 302 537-2 V1.1.2:07
Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive	EN 302 291-2 V1.1.1:05
Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (Repeaters) covering essential requirements of article 3.2 of the R&TTE Directive	EN 301 908-11 V3.2.1:07
Product standard to demonstrate the compliances of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz to 40 GHz) - General public	EN 50385:02 ( <i>Excluding SAR</i> )
Broadband Data Transmission Systems operating in the 2500 MHz to 2690 MHz frequency band; Part 1: TDD Base Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	EN 302 544-1 V1.1.1:09
Broadband Data Transmission Systems operating in the 2 500 MHz to 2 690 MHz frequency band; Part 2: TDD User Equipment Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	EN 302 544-2 V1.1.1:09
<b>EMC Tests</b>	
Radiated and Conducted Emission	EN 55011:98 + A1:99 + A2:02; EN 55011:07 + A2:07; CISPR 11:03 + A1:04 + A2:06; CISPR 11:09; AS/NZS CISPR 11:2004; CFR 47:08 Part 18 using MP-5; ICES-001:06; EN 55014-1:00 + A1:01 + A2:02; EN 55014-1:06; CISPR 14-1:05 + A1(08); AS/NZS CISPR 14.1:03; EN 55014-2:97 + A1:01 + A2:08 CISPR 14-2:01 + A1:01 + A2:08; AS/NZS CISPR 14.2:03; EN 55015:00 + A1:01 + A2:02; EN 55015:06 + A1:07; CISPR 15:07 + A2:08; AS/NZS CISPR 15:02;

<b>Test Technology</b>	<b>Test Method</b>
Radiated and Conducted Emission ( <i>continued</i> )	AS/NZS CISPR 15:06; EN 55022:98 + A1:00 + A2:03; EN 55022:06 + A1:07; CISPR 22:05 + A1:05 + A2:06; CISPR 22:08; AS/NZS CISPR22:06 (09); ICES-003:04; CAN/CSA-CEI/IEC CISPR 22:02; CFR 47:08 Part 15, Subpart B (using ANSI 63.4:03); VCCI V-3; EN 300 132-1:96; EN 300 132-2 V2.2.2:07; EN 300 132-3 V1.2.1:03
Disturbances Power	EN 55014-1:00 + A1:01 + A2:02; EN 55014-1:06; CISPR 14-1:05 + A1:08; AS/NZS CISPR 14.1:03
Harmonic current emissions	EN 61000-3-2:00 + A2:05; EN 61000-3-2:06; IEC 61000-3-2:05 + A1:08 + A2:09; EN 61000-3-12:05; IEC 61000-3-12:04
Voltage changes, voltage fluctuations and flicker	EN 61000-3-3:95 + A1:01 + A2:05; EN 61000-3-3:08; IEC 61000-3-3:08; EN 61000-3-11:00; IEC 61000-3-11:00
<b><i>Immunity</i></b>	
Electrostatic discharge	EN 61000-4-2:95 + A1:98 + A2:01; EN 61000-4-2:09; IEC 61000-4-2:01; IEC 61000-4-2:08; IEEE Std C62.38-1994
Radiated, radio-frequency, electromagnetic field	EN 61000-4-3:06 + A1:08; IEC 61000-4-3:06 + A1:07
Electrical fast transient/burst immunity test.	EN 61000-4-4:04; IEC 61000-4-4:04
Surge immunity test	EN 61000-4-5:06; IEC 61000-4-5:05; IEEE Std C62.41-1991 (Combination Wave)
Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6:96 + A1:01; EN 61000-4-6:07; IEC 61000-4-6:06; IEC 61000-4-6:08
Power frequency magnetic field immunity test	EN 61000-4-8:93 + A1:01; IEC 61000-4-8:01
Pulse magnetic field immunity test	EN 61000-4-9:93 + A1:01; IEC 61000-4-9:01
Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11:04; IEC 61000-4-11:04
Voltage sag immunity	SEMI F42-0999; SEMI F47-0200; SEMI F47-0706

<b>Test Technology</b>	<b>Test Method</b>
Power supply interface	ETS 300 132-1:96; EN 300 132-2 V2.2.2:07; EN 300 132-3 V1.2.1:03
Immunity requirements for components of fire, intruder and social alarm systems	EN 50130-4:95 + A1:98 + A2:03
Alarm systems - Intrusion and hold-up systems - Part 1: System requirements	EN 50131-1:06
Alarm systems - Intrusion systems - Part 2-2: Requirements for passive infrared detectors	EN 50131-2-2:08
Alarm systems - Intrusion systems - Part 2-4: Requirements for combined passive infrared and microwave detectors	EN 50131-2-4:08
Alarm systems - Intrusion systems - Part 2-6: Requirements for opening contacts (magnetic)	EN 50131-2-6:08; CLC/TS 50131-2-6:04
Alarm systems - Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency technique	EN 50131-5-3:05 + A1:08
Alarm systems - Intrusion systems - Part 6: Power supplies	EN 50131-6:08
Resistibility of telecommunication equipment	ITU-T Rec. K.20:08; ITU-T Rec. K.21:08; ITU-T Rec. K.41:98; ITU-T Rec. K.44:03; ITU-T Rec. K.44:08; ITU-T Rec. K.45:08
Radio Disturbance and Immunity	CISPR 16-2-1:05; CISPR 16-2-1:08; CISPR 16-2-2:05; CISPR 16-3-1:06
<b><i>Generic and Product Specific EMC Standards</i></b>	
Industrial environments	EN 50081-2:93; EN 61000-6-4:07; IEC 61000-6-4:06; EN 50082-2:95; EN 61000-6-2:05; IS 961part 6.1; IS 961 part 6.2
Residential, commercial and light-industrial environments	EN 50082-1:97; EN 61000-6-1:07; EN 50081-1:92; EN 61000-6-3:07
Information technology equipment	EN 55022:98 + A1:00 + A2:03; EN 55022:06 + A1:07; CISPR 22 (3 <sup>rd</sup> edition); CISPR 22:05 + A1:05 + A2:06; CISPR 22:08; AS/NZS CISPR22:06; AS/NZS CISPR22:09; ICES-003:04; CAN/CSA-CEI/IEC CISPR 22:02 CFR 47:08 Part 15, Subpart B (using ANSI C63.4:03) VCCI V-3; IS 961part 6.1; IS 961part 6.2; EN 55024:98 + A1:01 + A2:03; CISPR 24:97 + A1:01 + A2:02; AS/NZS CISPR 24:02

<b>Test Technology</b>	<b>Test Method</b>
Household appliances, electric tools and similar apparatus	EN 55014-1:00 + A1:01 + A2:02; EN 55014-1:06; CISPR 14-1:05+A1:08; AS/NZS CISPR 14.1:03; EN 55014-2:97 + A1:01 + A2:08; CISPR 14-2:01 + A1:01 + A2:08; AS/NZS CISPR 14.2:03
Industrial, scientific and medical equipment	EN 55011:98 + A1:99 + A2:02; EN 55011:07 + A2:07; CISPR 11 (3 <sup>rd</sup> edition) CISPR 11:03 + A1:04 + A2:06; CISPR 11:09; AS/NZS CISPR 11:2004; CFR 47:08 Part 18; ICES-001:06
Electrical lighting and similar equipment	EN 55015:00 + A1:01 + A2:02; EN 55015:06 + A1:07; CISPR 15:07 + A1:08; AS/NZS CISPR 15:02; EN 61547:1995 + A1:00
Equipment for measurement control and laboratory use	EN 61326:97 + A1:98 + A2:01 + A3:03; EN 61326-1:06; IEC 61326:05
Adjustable speed electrical power drive systems	EN 61800-3:04
Railway applications. Electromagnetic compatibility. Rolling stock. Apparatus	EN 50121-3-2:06
Railway applications Signaling and telecommunications apparatus	EN 50121-1:06
Railway applications. Electromagnetic compatibility. Part 4: Emissions and immunity of the telecommunications apparatus	EN 50121-4:00; EN 50121-4:06
Specification for semiconductor manufacturing facility electromagnetic compatibility	SEMI E33-94
Medical electrical equipment	EN 60601-1-2:93; EN 60601-1-2:01 + A1:06; EN 60601-1-2:07; IEC 60601-1-2:01 + A1:04; IEC 60601-1-2:07; CAN/CSA-C22.2 NO.60601-1-2-03 + A1:06
Telecommunication equipment	EN 300 386 V1.3.2:03; EN 300 386 V1.3.3:05; EN 300 386 V1.4.1:08; 1TR9:01 rev.05; 1TR9:08; GR-1089-CORE:06
Audio, video, audio-visual and entertainment lighting control apparatus for professional use	EN 55103-1:96; EN 55103-2:96
Sound and television broadcast receivers and associated equipment	EN 55013:01 + A1:03 + A2:06
Uninterruptible power supply	EN 50091-2:95
Radio equipment and services	EN 301 489-1 V1.5.1:04; EN 301 489-1 V1.6.1:05; EN 301 489-1 V1.8.1:08
Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz	EN 301 489-3 V1.4.1:02

<b>Test Technology</b>	<b>Test Method</b>
Fixed radio links and ancillary equipment and services	EN 301 489-4 V1.3.1:02
Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech)	EN 301 489-5 V1.3.1:02
Digital Enhanced Cordless Telecommunications (DECT) equipment	EN 301 489-6 V1.3.1:08
Mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)	EN 301 489-7 V1.3.1:05
GSM base stations	EN 301 489-8 V1.2.1:02
Analogue cellular radio communications equipment, mobile and portable	EN 301 489-16 V1.2.1:02
2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment	EN 301 489-17 V1.3.2:08
Terrestrial Trunked Radio (TETRA) equipment	EN 301 489-18 V1.3.1:02
<b>EMC Tests Automotive/Vehicle</b>	
Automotive/Vehicle, Vehicles, motorboats and spark-ignited engine-driven devices	CISPR 12:97; CISPR 12:07 + A1:09
Limits and methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicle	CISPR 25:08
Road vehicles	ISO 7637-1:02 + A1:08; ISO 7637-2:04 + A1:08; ISO 7637-3:95; ISO 7637-3:07; ISO 11452-1:05; ISO 11452-2:04; ISO 11452-4:05
Vehicles, Boats (up to 15 m), and Machines (Except Aircraft), Vehicle Components, Receivers used on Board Vehicles	SAE J1113-1:06; SAE J1113-2:04; SAE J1113-4:04; SAE J1113-11:07; SAE J1113-12:06; SAE J1113-13:04; SAE J1113-21:05; SAE J1113-22:03; SAE J1113-41:06; SAE J1113-42:06
EMC tests Military and airborne equipment	MIL-STD-461 A/B/C: RE01, RE02, CE01, CE03, CE06, CE07, RS01, RS02, RS03, CS01, CS02, CS03, CS04, CS05, CS06, CS07, CS09; MIL-STD-461 D/E/F: RE101, RE102, RE103, CE101, CE102, CE106, CS101, CS103, CS104, CS105, CS106, CS109, CS114, CS115, CS116, RS101, RS103; MIL-STD-462; MIL-STD-462D; MIL-STD-704 A/B/C/D/E; MIL-STD-1275A/B/C/D; MIL-STD-285; RTCA/DO-160D:97 + change 1:00 + change 2:01 + change 3:02, RTCA/DO-160E:04; RTCA/DO-160F:07
<b>Telecommunication tests</b>	
Specification of Terminal Equipment Interconnected to the Analog Public Telephone Network Requirements for Type Approval	Israeli MoC Spec. 23/96

<b>Test Technology</b>	<b>Test Method</b>
Analogue interworking and non-interference requirements for Customer Equipment for connection to the Public Switched Telephone Network	AS/ACIF S002:05
Requirements for analogue telecommunications equipment	PTC200 issue No.2: 97 + A1:98
Access and Terminals (AT); Harmonized basic attachment requirements for Terminals for connection to analogue interfaces of the Telephone Networks; Update of the technical contents of TBR 021, EN 301 437, TBR 015, TBR 017; Part 1: General aspects	ETSI ES 203 021-1:05; ETSI ES 203 021-2:06; ETSI ES 203 021-3:06; TBR 021:98
Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signaling	TBR21:98 (History)
A guide to the application of TBR 21	ETSI EG 201 121 V 1.1.3:00
Type Approval Specification (including Checklist) for Terminal Equipment for connection to Public Switched Telephone Network (PSTN)	IDA TS PSTN Issue 1, Rev 1, Mar 2007
Network connection specification for connection of customer premises equipment (CPE) to Direct Exchange Lines (DEL) of the public switched telephone network (PSTN) in Hong Kong	HKTA 2011:03; HKTA 2011:09
Technical Specifications for Terminal Equipment for Connection to Public Switched Telephone Network in Taiwan	PSTN01:03
Standards Specification for telecommunication-line terminal equipment for connection to the public switched telecommunication network	DPT -TE-001
Connection of Customer-Provided Terminal Equipment to the Telephone Network	47CFR part 68:07
Technical Requirements for Connection of Terminal Equipment to the Telephone Network	ANSI/TIA -968-A:02; ANSI/TIA-968-A -1:03; ANSI/TIA-968-A -2:04; ANSI/TIA-968-A -3:04; ANSI/TIA-968-A -4:06; ANSI/TIA-968-A -5:07
Certification Specification for Terminal Equipment, Terminal Systems, Network protection devices, connection arrangements and hearing aids compatibility	CS-03 issue 9:04 (Parts I - A3:06, VII -A3:06, VIII - A3:07)
Customer switching, multiplexing and ancillary equipment for connection to a Telecommunications Network	AS/ACIF S003:08
Voice frequency performance requirements for Customer Equipment	AS/ACIF S004:08
General Requirements for Customer Equipment Connected to Hierarchical Digital Interfaces Requirements for DSL Customer equipment for connection to the Public Switched Telephone Network	AS/ACIF S016:01; AS/ACIF S041:2005

<b>Test Technology</b>	<b>Test Method</b>
Requirements for Customer Equipment for connection to a metallic local loop interface of a Telecommunications Network - Broadband	AS/ACIF S043.2:05
Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE supporting the voice telephony service in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signaling	ETSI EN 301 437 V1.1.1:99
Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access	TBR 004 edition 1:95 + A1:97
Business Telecommunications (BT); Open Network Provision (ONP) technical requirements; 2048 kbit/s digital unstructured leased line (D2048U) Attachment requirements for terminal equipment interface	TBR 012 edition 1:93 + A1:96
Business Telecommunications (BTC); 2048 kbit/s digital structured leased lines (D2048S); Attachment requirements for terminal equipment interface	TBR 013 edition 1:96
Public Switched Telephone Network (PSTN); Attachment requirements for a terminal equipment incorporating an analogue handset function capable of supporting the justified case service when connected to the analogue interface of the PSTN in Europe	TBR 38 edition 1:98
Business Telecommunications (BTC); Ordinary and Special quality voice bandwidth 2-wire analogue leased lines (A2O and A2S); Attachment requirements for terminal equipment interface	TBR 15:97
Business Telecommunications (BTC); Ordinary and Special quality voice bandwidth 4-wire analogue leased lines (A4O and A4S); Attachment requirements for terminal equipment interface Digital Enhanced Cordless Telecommunication (DECT); General terminal attachment requirements; Telephony applications	TBR 17:97  TBR 10:1999
Transmission and Multiplexing (TM); Access transmission systems on metallic access cables; Very high speed Digital Subscriber Line (VDSL); Part 1: Functional requirements	ETSI TS 101 270-1V1.2.1:99

<b>Test Technology</b>	<b>Test Method</b>
Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON) Technology Compliance Specification; Draft IETF SIP RFC 3261; Part 2: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) performance specification Transmission and Multiplexing (TM); Access transmission system on metallic access cables; Asymmetric Digital Subscriber Line (ADSL) - European specific requirements	ETSI TS 102 027 V2.1.1:03; ETSI TS 101 388, V1.4.1:07
Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Short Message Communication between a fixed network Short Message Terminal Equipment and a Short Message Service Centre	ETSI ES 201 912:02
Technical Specification for Asymmetric Digital Subscriber Line Modems	IDA TS ADSL:00
Blue book and Green Book (Analog and Digital)	JATE
Network connection specification for connection of customer premises equipment (CPE) to the public telecommunications networks (PTN) in Hong Kong over digital trunk at 1544 kbit/s at using DTMF signaling	HKTA 2017:03
Access and Terminal (AT); Analogue access to the Public Switched Telephone Network (PSTN); Subscriber line protocol over the local loop for display (and related) services; Part 1: On-hook data transmission	ETSI EN 300 659-1 V1.3.1 (2001-01) (CID)
Type Approval Specification (including Checklist) For Asymmetric Digital Subscriber Line (full-rate ADSL) Modems	ADSL1:00 (Issue 1, Rev 1, June 2000)
Official Mexican Standard Project PROY-NOM-152-SCT1-1999, Digital Interface to Public Networks (Digital Interface at 2 048 kbit/s).	PROY-NOM -152-SCT1-1999
Telecommunication Industry standard of PRC (China)	YDT 514-1:98
The specifications of automatic telephone set (China)	GB/T 15279-2002
Digital terminal equipments - General Physical/electrical characteristics of hierarchical digital interfaces	ITU-T G.703:01
Digital Networks. The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy	ITU-T G.823:00
Transmission characteristics for cordless and mobile digital terminals	ITU-T P 313:99
Transmission characteristics and speech quality parameters of hands-free terminals	ITU-T P 340:00
Telecommunications telephone terminal equipment transmission requirements for narrowband Voice-over IP and Voice-over PCM digital wireline telephones	ANSI/TIA/EIA-810-A:2000

<b>Test Technology</b>	<b>Test Method</b>
Telecommunications telephone terminal equipment transmission requirements for narrowband digital telephones	ANSI/TIA-810-B:06
Telecommunications telephone terminal equipment handsfree acoustic performance requirements working meeting document	ANSI/TIA-470.120-C (11.2004)
Telecommunications telephone terminal equipment transmission requirements for wideband digital wireline telephones	TIA-920:2002
Series G: Transmission systems and media, digital systems and networks	ITU-T G.991.2 (12/2003); ITU-T G.992.1 (03.03); ITU-T G.992.3 (01/2005); ITU-T G.992.5 (01/2005); ITU-T G.993.1 (06-2004)
Requirement for Private Voice Networks connected to the PSTN/ISDN (New Zealand)	PTC220:2003; PTC220:2008
Technical requirements for telephone terminal equipment	CNC-St2-44.01 V02.1.1:2003
Minimum requirements for certification of terminal equipment with analog interfacing form the public telephone network	NET 001/92 (Analog TE, Brazil, Dir. 322)
User Interface-Network, and Public switched telephone service terminal regulation	Attachment to Resolution No. 392, February 17, 2005
Electro-Acoustic Recommended Minimum Performance Specification for cdma2000 Mobile Stations	3GPP2 C.S0056-0 v1.0:05
Digital cellular telecommunications system (Phase 2+) Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system (GSM 03.50 version 8.1.1 Release 1999)	ETSI EN 300 903 V8.1.1:00
Universal Mobile Telecommunications System (UMTS); Terminal acoustic characteristics for telephony; Requirements (3GPP TS 26.131 version 4.2.0 Release 4)	ETSI TS 126 131 V4.2.0:02
Universal Mobile Telecommunications System (UMTS); Terminal acoustic characteristics for telephony; Requirements (3GPP TS 26.131 version 5.2.0 Release 5)	ETSI TS 126 131 V5.2.0:02
Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (3GPP TS 51.010-1 version 7.9.0 Release 7)	ETSI TS 151 010-1 V7.9.0:08 (Section 30 only, <i>Excluding 30.19</i> )
Electro-Acoustic Recommended Minimum Performance Specification for cdma2000 Mobile Station	TIA - 1042:05
SERIES P: Telephone transmission quality, Telephone installation, Local line networks	ITU - T P.342:00; ITU - T P.360:06

Test Technology	Test Method
<b>Product Safety</b>	
Information technology equipment	EN 60950:00, IEC 60950:99; UL 60950: 3rd edition; CAN/CSA-C22.2 NO.60950-03; AS/NZS 60950:00 + A1:03; IS 1121:98; IEC 60950-1:01; EN 60950-1:01 + A11:04; IEC 60950-1:05; EN 60950-1:06; UL 60950-1: 2nd edition; CAN/CSA-C22.2 No. 60950-1:07; AS/NZS 60950.1:03 + A1:06 + A2:08 + A3:08; IS 60950 part 1:03; IEC 60950-21:02; EN 60950-21:03; UL 60950-21: 1st edition; IEC 60950-22:05; EN 60950-22:06 + A11:08; UL 60950-22: 1st edition; UL 50:07
Equipment to be connected to telecommunication network	EN 41003:99
Audio, video and similar electronic apparatus	IEC60065:01 + A1:05; EN 60065:02 + A1:06; UL 60065:07; AS/NZS 60065:03 + A1:08
Household and similar electrical appliances	EN 60335-1:02 + A1:04 + A11:04 + A12:06 + A2:06; IEC 60335-1: 01 + A1:04 + A2:06; AS/NZS 60335.1:02 + A1:04 + A2:07 + A3:07; UL 60335-1: 4th edition; IS 900:94; EN 60335-2-2:2003 + A1:04 + A2:06; IEC 60335-2-2:2002 + A2:06; EN 60335-2-6:2003 + A1:05; IEC 60335-2-6:2002 + A1:04; EN 60335-2-17:2002 + A1:06; IEC 60335-2-17:2002 + A1:06; EN 60335-2-23:2003; IEC 60335-2-23:2003; EN 60335-2-24:2002 + A11:04 + A1:05 + A2:07; IEC 60335-2-24:2002 + A1:05 + A2:07; EN 60335-2-36:2002 +A1:04; IEC 60335-2-36:2002 +A1:04; EN 60335-2-41:2003 +A1:04; IEC 60335-2-41:2002 +A1:04; EN 60335-2-60:2003 + A1:05; IEC 60335-2-60:2002 + A1:04; EN 60335-2-75:2004 + A1:05 + A2:08; IEC 60335-2-75:2002 + A1:04 + A2:08; EN 60335-2-96:2002 + A1:04; IEC 60335-2-96:2002 + A1:03

<b>Test Technology</b>	<b>Test Method</b>
Electrical equipment for measurement, control, and laboratory use	EN 61010-1:01; IEC 61010-1:01 + Corr1:02 + Corr2:03; UL 61010-1:04, edition 2:08; UL 61010A-1:02 1st edition; UL 61010B-1:03; UL 61010C-1; CAN/CSA-C22.2 No. 61010-1:04; AS 61010.1:03; IS 61010 part 1:02; UL 61010A-2-031; UL 61010B-2-041
Heating of material	EN 61010-2-010:2003; IEC 61010-2-010:2003
Sterilizers and washer-disinfectors used to treat medical materials	EN 61010-2-040:2005; IEC 61010-2-040:2005
Vitro diagnostic (IVD) medical equipment	IEC 61010-2-101:2002; EN 61010-2-101:2002
Automatic electrical controls for household and similar use	EN 60730-1:00 + A1:04 + A12:03 + A13:04 + A14:05 + A15:07; UL 60730-1A:02; EN 60730-2-8:95 + A1:97 + A2:97; EN 60730-2-9 + A1:96 + A11:97 + A2:97
Laser products	IEC 60825-1:93 + A1:97 + A2:01; EN 60825-1:94 + A1:02 + A2:01; IEC 60825-1:07; EN 60825-1:07 ; IEC 60825-2:00 ; IEC 60825-2:04 + A1:06 ; EN 60825-2:04 + A1:07 ; 21 CFR 1040
Sealing, Wrapping, and Marking Equipment Power Units	UL 963:06
Swimming Pool Pumps, Filters, and Chlorinators	UL 1081: 6 <sup>th</sup> edition (excluding clauses 38 and 44)
Power Units Other Than Class 2	UL 1012:05
Burglar-Alarm Systems, Household Burglar-Alarm System Units	UL 365:05; UL 603:08; UL 609:05; UL1023:04; UL 1076:05; UL 1610:05; UL 1637:06
Alarm Units and Systems	UL 636:08; UL 985:08; UL 1635:05
Intrusion-Detection Units	UL 639:07
Antitheft Alarms and Devices	UL1037:04
Luminaires - Part 1: General requirements and tests	IEC 60598-1:99; IEC 60598-1:03 + A1:06; EN 60598-1:2000 + A11:00 + A12:02; EN 60598-1:2004 + A1:06;
Luminaires - Part 2: Fixed general purpose luminaires	EN 60598-2-1:79 + A1:87



<b>Test Technology</b>	<b>Test Method</b>
Lung ventilators, Pulse oximeters	EN 794-1:97 + A1:00; ISO 10651-1:93; IEC 60601-2-12:01; ISO 10651-2:04; ISO 10651-3:97; EN/ISO 9919:05; ASTM F1415:00
Electrical apparatus for potentially explosive atmospheres	EN 60079-0:04; EN 50020:02
Safety of machinery	EN 60204-1:98; EN 60204-1:06; IEC 60204-1:05; EN ISO 12100-1:03; EN ISO 12100-2:03; EN 1037:95 + A1:08; EN 1088:95 + A1:07; EN 1837:99; EN ISO 13857:08; EN ISO 7731:05; EN 547-1:96; EN 547-2:96; EN 547-3:96; EN 563:94 + A1:99; EN 61310-1:95; EN 61310-2:95; EN 61310-3:99; EN 614-1:06; EN 614-2:00; EN 842:96; EN 894-1:97; EN 894-2:97; EN 983:96; EN 999:98; EN ISO 7250:98; EN 953:97; EN 981:96; EN 982:96
Electronic equipment for use in power installations	EN 50178:97
Semiconductor manufacturing equipment	SEMI S2-0200E; SEMI S2-0706; SEMI S8-0701; SEMI S9-1101; SEMI S14; SEMI S10; SEMI S22; SEMI S23-0705
<b><i>Alarm System Performance Testing</i></b>	
Alarm systems - Intrusion and hold-up systems - Part 1: System requirements	EN 50131-1:06+A1:09
Alarm systems - Intrusion systems - Part 2-2: Requirements for passive infrared detectors	EN 50131-2-2:08; CLC/TS 50131-2-2:08
Alarm systems Part 5: Environmental test methods	EN 50130-5:98
Alarm systems - Intrusion systems - Part 2-3: Requirements for microwave detectors	EN 50131-2-3:08; CLC/TS 50131-2-3:04
Alarm systems - Intrusion systems - Part 2-4: Requirements for combined passive infrared and microwave detectors	EN 50131-2-4:08; CLC/TS 50131-2-4:04
Alarm systems - Intrusion systems - Part 2-5: Requirements for combined passive infrared and ultrasonic detectors	EN 50131-2-5:08; CLC/TS 50131-2-5:04
Alarm systems - Intrusion systems - Part 2-6: Requirements for opening contacts (magnetic)	EN 50131-2-6:08; CLC/TS 50131-2-6:04
<b><i>Alarm System Performance Testing</i></b>	
Alarm systems - Intrusion systems - Part 3: Control and indicating equipment	EN 50131-3:09; CLC/TS 50131-3:2003
Alarm systems - Intrusion systems - Part 4: Warning devices	prEN 50131-4:05; CLC/TS 50131-4:07
Alarm systems - Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency techniques	EN 50131-5-3:05 + A1:08

<b>Test Technology</b>	<b>Test Method</b>
Alarm systems - Intrusion systems - Part 6: Power supplies	EN 50131-6:08
Alarm systems - Intrusion systems - Part 7: Application Guidelines Alarm systems - Alarm transmission systems and equipment - Part 1-1: General requirements for alarm transmission systems Alarm systems - Alarm transmission systems and equipment - Part 1-1: General requirements for alarm transmission equipment	CLC/TS 50131-7:03  EN 50136-1-1:98 + A2:08  EN 50136-2-1:98 + A1:01
<b>Telecommunication equipment</b>	
Environmental conditions and environmental tests for telecommunications equipment	ETSI EN 300 019-1-0 V2.1.2 (2003-09); ETSI EN 300 019-1-1 V2.1.4 (2003-04); ETSI EN 300 019-1-2 V2.1.4 (2003-04); ETSI EN 300 019-1-3 V2.2.2 (2004-07); ETSI EN 300 019-1-4 V2.1.2 (2003-04); ETSI EN 300 019-1-5 V2.1.4 (2003-04); ETSI EN 300 019-1-6 V2.1.4 (2003-04); ETSI EN 300 019-1-7 V2.1.4 (2003-04); ETSI EN 300 019-1-8 V2.1.4 (2003-04); ETSI EN 300 019-2-0 V2.1.2 (2003-09); ETSI EN 300 019-2-1 V2.1.2 (2000-09); ETSI EN 300 019-2-2 V2.1.2 (1999-09); ETSI EN 300 019-2-3 V2.2.2 (2003-04); ETSI EN 300 019-2-4 V2.2.2 (2003-04); ETSI EN 300 019-2-5 V3.0.0 (2002-12); ETSI EN 300 019-2-6 V3.0.0 (2002-12); ETSI EN 300 019-2-7 V3.0.1 (2003-04); ETSI EN 300 019-2-8 V2.1.2 (1999-09); ETSI EN 300 019-4
<b>Generic standards</b>	
Guidance for the correlation and transformation of environmental condition classes of IEC 60721-3 to the environmental tests of IEC 60068	IEC 60721-4-1:2001; IEC 60721-4-2:2001; IEC 60721-4-3:2001; IEC 60721-4-4:2001; IEC 60721-4-5:2001; IEC 60721-4-7:2001
<b>Altitude &amp; pressure</b>	
Network Equipment - Building System (NEBS) requirements: Physical Protection. Clause 5.1.3 - Operating Altitude	GR-63-CORE:06
Test methods for electronic and electrical component Parts Method 105C Barometric Pressure - Test Conditions A, B, C, F	MIL-STD-202F:80, Notice 1 to 13
Method 105C Barometric pressure - Test conditions A, B, C, F	MIL-STD-202G:02 + W/C1:03
Environmental Engineering Considerations and Laboratory Tests Method 500.1 Procedure I/II	MIL-STD-810C:75
Method 500.3 Procedure I/II	MIL-STD-810E: 89 + Notice 1

<b>Test Technology</b>	<b>Test Method</b>
Method 500.4 Procedure I/II Method 500.5 Procedure I/II	MIL-STD-810F: 00 + W/C3:03; MIL-STD-810G:08
Section 4.0 Temperature and Altitude test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
<b>Temperature and Humidity</b>	
Environmental testing - Part 2: Tests – Tests A: Cold	IEC 60068-2-1:90 + A2:94
Environmental testing - Part 2: Tests - Tests B: Dry Heat	IEC 60068-2-2:74 + A1:93 + A2:94
Environmental testing - Part 2: Tests - Test N: Change of temperature	IEC 60068-2-14:84 + A1:86
Environmental testing - Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)	IEC 60068-2-30:80 + A1:85
Environmental testing - Part 2: Tests - Test Z/AD: Composite temperature/humidity cyclic test	IEC 60068-2-38:74
Network Equipment - Building System (NEBS) requirements: Physical Protection Clause 5.1.1.1/2/3; Clause 5.1.2	GR-63-CORE:06
Test methods for electronic and electrical component Parts Method 103B Humidity, Test conditions A, B, C, D Method 106F/G Moisture resistance; Method 108A High temperature (Life); Method 107G Thermal shock.	MIL-STD-202F:80, Notice 1 to 13; MIL-STD-202G:02 + W/C1:03
Environmental Engineering Considerations and Laboratory Tests Method 501.1, Procedure I/II Method 502.1, Procedure I/II/III Method 503.1, Procedure I Method 507.1, Procedures I-V	MIL-STD-810C:75
Method 501.3, Procedure I/II Method 502.3, Procedure I/II/III Method 503.3, Procedure I; Method 507.3, Procedure I	MIL-STD-810E:89 + Notice 1
Method 501.4, Procedure I/II Method 502.4, Procedure I/II/III Method 503.4, Procedure I/II Method 507.4 Procedure I Method 501.5, Procedure I/II Method 502.5, Procedure I/II/III Method 503.5, Procedure I/II Method 507.5, Procedure I	MIL-STD-810F:00 + W/C3:03  MIL-STD-810G:08
Section 5.0 Temperature Variation test Section 6.0 Humidity test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
Section 5.5 Temperature tests	GMW3172: 2005
Section 4.2.6; 4.2.7 HALT, HASS	GMW3172: 2005
Section 5.6 Humidity test	GMW3172: 2005
Preferred atmosphere	ASTM D 4332-01

<b>Test Technology</b>	<b>Test Method</b>
Specification for Environmental testing of Switching and Transmission Equipment at India Paragraph 8.0, Category A, B, C, D, Humidity Paragraph 10.0, Category A, B, C, D, Humidity Paragraph 6.0, Category A, B, C, D, Low Temperature Paragraph 7.0, Category A, B, C, D, High Temperature Paragraph 9.0, Category A, B, C, D, Thermal Shock	QM-333
<b><i>Mechanical Shock</i></b>	
Environmental testing - Part 2: Tests - Test Ea and guidance: Shock	IEC 60068-2-27:87
Environmental testing - Part 2: Tests - Test Eb and guidance: Bump	IEC 60068-2-29:87
Environmental testing - Part 2: Tests - Test Eh: Hammer tests	IEC 60068-2-75:97
Method 213B Shock (Specified pulse)	MIL-STD-202F:80, Notice 1 to 13
Method 213B Shock (Specified pulse)	MIL-STD-202G:02 + W/C1:03
Environmental engineering considerations and laboratory tests Method 516.2 Procedure I/III/IV	MIL-STD-810C:75
Method 516.4 Procedure I/II/V/VIII	MIL-STD-810E:89 + Notice 1
Method 516.5 Procedure I/II/III/V/VIII	MIL-STD-810F: 00 + W/C3:03
Method 516.6 Procedure I/II/III/V/VIII	MIL-STD-810G: 08
Section 7.0 Operational Shock and crash safety test	RTCA/DO-160: 97 + C3:02, RTCA/DO-160D/E/F
Section 5.4.2 Mechanical shock	GMW3172: 2005
<b><i>Vibration testing</i></b>	
Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)	IEC 60068-2-6:95
Environmental testing – Part 2: Tests – Test Fh: Vibration, broad-band random (digital control) and guidance	IEC 60068-2-64:93
Network Equipment - Building System (NEBS) requirements: Physical Protection Clause 5.4.2 - Office vibration Clause 5.4.3 - Transportation vibration	GR-63-CORE:06
Test methods for electronic and electrical component parts Method 201A Sinusoidal vibration Method 204D Sinusoidal vibration Test Conditions A, B, C, E, G, H Method 214A Random vibration Condition I/II Test conditions A, B, C, E, F, G, H, J, K	MIL-STD-202F:80, Notice 1 (1996)
Specification for Environmental testing of Switching and Transmission Equipment at India Paragraph 12.0, Category A, B, C, D, Sine Vibration	QM-333

Test Technology	Test Method
Test methods for electronic and electrical component parts Method 201A Sinusoidal vibration Method 204D Sinusoidal vibration Test Conditions A, B, C, E, G, H Method 214A Random vibration Condition I/II Test conditions A, B, C, E, F, G, H, J, K	MIL-STD-202G:02 + W/C1:03
Environmental Engineering Considerations and Laboratory Tests Method 514.2 Sinusoidal vibration Procedure I Method 514.2 Random vibration Procedure IA, IIA, IIB Method 514.2 Sine & random vibration Procedures V, VI, VII Method 514.2 Sinusoidal vibration Procedure VIII Method 519.2 Gunfire vibration	MIL-STD-810C:75
Method 514.4, Random vibration Procedure I, IV Categories 1, 4, 5, 6, 7A, 7B, 7C, 8, 9 Method 514.4, Sine & random vibration Procedure I, Category 10 Method 519.4, Gunfire vibration	MIL-STD-810E:89 + Notice 1
Method 514.5, Random vibration, Categories 1, 2, 3, 23, 25 Method 514.5, Random vibration, Procedure I, Categories 4, 7, 8, 9, 10-14, 16, 17, 18, 20, 22 Method 514.5, Random vibration, Procedure III, Category 20 Method 514.5, Random vibration, Procedure III, Categories 15, 17-19 Method 514.5, Sine vibration, Category 24 Method 519.5, Gunfire vibration Method 514.6, Random vibration, Categories 1, 2, 3, 23, 25 Method 514.6, Random vibration, Procedure I, Categories 4, 7, 8, 9, 10-14, 16, 17, 18, 20, 22 Method 514.6, Random vibration, Procedure III, Category 20 Method 514.6, Random vibration, Procedure III, Categories 15, 17-19 Method 514.6, Sine vibration, Category 24 Method 519.6, Gunfire vibration	MIL-STD-810F: 00 + W/C3:03; MIL-STD-810G: 08
Section 8.0 Vibration test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
Schedule D, E - Stacked vibration	ASTM D 4169-99; ASTM D 4169-08

<b>Test Technology</b>	<b>Test Method</b>
Vibration testing	ASTM D 999-01; ASTM D 999-08; GMW3172: 2005, Section 5.4.1 (Vibration test)
<b><i>Fire Resistance and flammability</i></b>	
Network Equipment - Building System (NEBS) requirements: Physical Protection - Clause 5.2 Fire resistance methods	GR-63-CORE:06
Test methods for electronic and electrical component Parts Method 111A Flammability	MIL-STD-202F:80, Notice 1 to 13
Test for Flammability of Plastic Materials for Parts in Devices and Appliances	UL 94:06
Flammability test	GMW3172: 2005, Section 4.3.5.1.2
<b><i>Rain or water (immersion), dust and salt fog</i></b>	
Environmental testing - Part 2: Tests - Test Ka: Salt mist	IEC 60068-2-11: 81 + CRGD 99
Environmental testing - Part 2: Tests - Test R and guidance: Water	IEC 60068-2-18:00
Environmental testing. Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)	IEC 60068-2-52:96
Degrees of protection provided by enclosure (IP code)	IEC 60529:01
Test methods for electronic and electrical component Parts Method 101D Salt spray, Test conditions A & D Method 104A Immersion Method 110A Sand & dust	MIL-STD-202F: 80, Notice 1 to 13
Test methods for electronic and electrical component Parts Method 101E Salt atmosphere, Test conditions A to D Method 104A Immersion, Method 110A Sand & dust	MIL-STD-202G:02 + W/C1:03
Environmental Engineering Considerations and Laboratory Tests Method 506.1, Rain Procedures I/II Method 509.1 Salt fog, Procedure I Method 510.1, Dust, Procedure	MIL-STD-810C:75
Method 506.3, Rain Procedures I/II/III Method 509.3 Salt fog, Procedure I Method 510.3, Sand & dust, Procedures I/II/III	MIL-STD-810E:89 + Notice 1
Method 506.4, Rain Procedures I/II/III Method 509.4, Salt fog, Procedure I Method 510.4, Sand & dust, Procedures I/II/III Method 512.4, Immersion Method 506.5, Rain Procedures I/ /III Method 509.5, Salt fog, Procedure I Method 510.5, Sand & dust, Procedures I/II/ Method 512.4, Immersion	MIL-STD-810F: 00 + W/C3 (03)  MIL-STD-810G: 08
Section 10.0 Water proofness test Section 12.0 Sand and dust test Section 14.0 Salt fog test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
Section 3.28.4 Weathertightness	GR-487-CORE:00
Section 5.8.1 Dust tests	GMW3172:2005
Section 5.8.2 Water tests	GMW3172:2005

<b>Test Technology</b>	<b>Test Method</b>
<b><i>Free fall/drop</i></b>	
Environmental testing. Part 2: Tests - Test Ec: Topple	IEC 60068-2-31:69 + A1:82
Environmental testing. Part 2: Tests - Test Ed: Free fall (Procedure 1)	IEC 60068-2-32:75 + A1:88 + A2:90
Network Equipment - Building System (NEBS) requirements: Physical Protection - Clause 5.3.1 Handling drop tests - Packaging equipment Clause 5.3.2 Unpackaged equipment drop test	GR-63-CORE:06 MIL-STD-810C:75
Environmental Engineering Considerations and Laboratory Tests Method 516.2 Shock, Procedure II Transit drop	MIL-STD-810C:75
Method 516.4 Shock, Procedure IV Transit drop	MIL-STD-810E:89 + Notice 1
Method 516.5, Shock, Procedure IV Transit drop Method 516.6 Shock, Procedure IV Transit drop Paragraph 13.0, Category A, B, C, D	MIL-STD-810F: 00 + W/C3:03; MIL-STD-810G: 08; QM-333
Free Fall	GMW3172:2005, (Section 4.3.3.4.3)
Handling drop	ASTM D 4169-99; ASTM D 4169-08
Drop Test of Loaded Containers by Free Fall	ASTM D 5276-98
<b><i>Contamination by Fluids</i></b>	
Method 504, Contamination by fluids Method 504.1, Contamination by fluids	MIL-STD-810F:00; MIL-STD-810G:08
Section 11.0 Fluids susceptibility test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
<b><i>Explosive Atmosphere</i></b>	
Method 109.C Explosion	MIL-STD-202G:02
Method 511.2 Explosive Atmosphere	MIL-STD-810D:83
Method 511.3 Explosive Atmosphere	MIL-STD-810E:89 + Notice 1
Method 511.4 Explosive Atmosphere Method 511.5 Explosive Atmosphere	MIL-STD-810F:00 + W/C3:03; MIL-STD-810G: 08
Section 11.0 Explosive proofness test	RTCA/DO-160: 97 + C3:02; RTCA/DO-160D/E/F
<b><i>Sound level</i></b>	
Section 12.5.1	IEC 61010:01
Section 4.6 Acoustic noise, Section 5.6.2 - Test 2 (Maximum sound pressure)	GR-63-CORE:06

<b>Test Technology</b>	<b>Test Method</b>
<b><i>Highly accelerated Life Test</i></b>	
Cold Temperature Steps Hot Temperature Steps Cold Stat Test Temperature Cycling Random Vibration - 3 Axis Temperature and Vibration Combined Cycling Temperature Measurements Vibration Measurements Highly Accelerated Stress Simulation (HASS) Stress Profile Definition Analyzing POS Stage Mounting Jig Assembly Running Multi-Tester Jig Set-Up for Mass production Temperature and Vibration Combined Cycling	GM Worldwide Engineering Standards Test Procedure Analysis GMW8287
On-Site testing <u>(Customer Facility)</u>	IEEE STD 299:97; MIL Std 285; ANSI/IEEE C95.1-1991; SS 436 14 90; ENV 50166-1; ENV 50166-2; EN 50364:01; EN 50371:02; CLC/TS 50131-2-2:08, para. 6.4; EN 50131-2-4:08, para. 6.4; EN 50131-2-5:08, para. 6.4; SEMI S2-0200E; SEMI S8-0701; SEMI S9-1101; SEMI S10; SEMI S14; SEMI S22; IEC/EN/UL 60950 (except 2.9.2, 4.6.5 clauses); IEC/EN 60335-1 (except 15.3 clause); IEC/EN 60601-1 (except 44.5 clause); IEC/EN 61010-1 (except 6.8.2 clause); IEC/EN 60204 (except 4.4.4 clause)