

Marquistech

Marquistech
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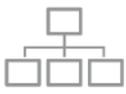


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ABOUT US

We are a team of skilled engineers and business strategists from diverse cultures and unique perspectives. We focus on streamlining the market strategy for terminal devices for our extensive customer portfolio of more than 27 OEMs/ODMs, chipset manufacturers, corporate companies, and telecom operators around the world. Marquistech is an independent organization with an impressive track record of providing best-in-class services to customers across the globe for the past 20+ years. We focus on a single goal: inventing breakthrough techniques to test devices and technologies ensuring maximum overall satisfaction. Our pool of experienced engineers has displayed finesse over the years in handling all kinds of projects and services offered. We go out of our way to enable enterprises to maintain above-par performance and establish benchmarking standards across the business geography of the enterprise.



Working with Tier 1 OEM/ODM and all major chipset companies



20+ Year's of experience



GCF Conformance
BIS Lab Testing,
Testing



Automation Testing



3500+ Devices , IoTs ,
Wearables connected,
Cars Tested



IOT Device Testing



1000+ Engineers worldwide



70+ Countries

EMI/EMC TEST SERVICES IMMUNITY TEST STANDARD

S NO.	SCOPE	STANDARD
1	Electrostatic Discharge	IEC/EN 61000-4-2
2	Radiated RF Electromagnetic Field	IEC/EN 61000-4-3
3	Burst/Electrical Fast Transient	IEC/EN 61000-4-4
4	Surge	IEC/EN 61000-4-5
5	Conducted Disturbances Induced by RF Fields	IEC/EN 61000-4-6
6	Voltage Dips, Short Interruptions and Voltage Variations on A.C. input power port immunity tests	IEC/EN 61000-4-11
7	Voltage dips, short interruptions and voltage variations on input power port immunity tests	IEC/EN 61000-4-29

EMI/EMC TEST SERVICES AS PER CISPR STANDARD

S NO.	SCOPE	STANDARD	DESCRIPTION
1	Conducted and Radiated Emission Test	CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement
2	Conducted and Radiated Emission Test	CISPR 32	Electromagnetic compatibility of multimedia equipment –Emission requirements.
3	Conducted and Radiated Emission Test	CISPR 15	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment's.
4	Conducted and Radiated Emission Test	CISPR 14-1	Requirements for household appliances, electric tools and similar apparatus

ITSAR (CYBER SECURITY TESTING)

S NO.	PRODUCT CATEGORY	STANDARD NAME
1	IOT / Router / CPE Devices	OWASP / NIST SP 800 / CIS V8 / CWE
2	Customer Premises Equipment	

ENVIRONMENTAL & MECHANICAL TESTING STANDARDS

ENVIRONMENTAL TESTING SCOPE

- BEE Schedule 14 (Laptop / Notebook Computers)
- IS/IEC 60068-2-38:2009 – Composite Temperature & Humidity Cyclic Test
- IEC 60068-2-30 : 2005 – Damp Heat Cyclic Test (12 h + 12 h Cycle)
- IS 60068-2-1 : 2007 – Cold Test
- ASTM B117 : 2019 – Salt Spray
- IEC 62262 : 2002 – IK Code
- IEC 60068-2-2 : 2007 – Dry Heat Test
- JSS 55555 : 2012 – Environmental Test Methods for Electronics & Electrical Equipment
- QM 333 : 1988 – Environmental Testing for Telecommunication Equipment

BATTERY & EV RELIABILITY STANDARDS

- IS 16893 (Part 2): 2018 / IEC 62660-2:2010 – Secondary Lithium-Ion Cells for Propulsion of Electric Road Vehicles – Part 2: Reliability and Abuse Testing

MECHANICAL TESTS (SHOCK, IMPACT & VIBRATION)

- IS 9000 (Part 8) : 1981 – Vibration Test
- IEC 61373 : 2010 – Shock & Vibration Test
- IS 9000 (Part 7 / Sec 1) : 2018 – Impact & Shock Test

DEFENSE & MILITARY STANDARDS

- JSS 0256-01 :1992 –Ministry of Defence Joint Services Specification on Environmental Test Methods for Missile Systems
- MIL-STD-167-1A : 2005 – Mechanical Vibrations of Shipboard Equipment Type I: Environmental Vibration Type II: Internally Excited Vibration
- MIL-STD-810H:Department of Defense's environmental engineering standard for testing equipment's durability against harsh conditions like temperature extremes, shock, humidity, and vibration

INGRESS PROTECTION (IP) TESTING

- IEC 60529 – Degrees of Protection Provided by Enclosures (IP Code)

NABL ACCREDITED – BATTERY TESTING STANDARDS

- IS 16047 (Part 3): 2018 – Secondary Lithium Cells for Portable Applications (Prismatic & Cylindrical)
- IS 16048-1 / IEC 61951-1: 2021 – Secondary Sealed Cells & Batteries (Nickel-Cadmium)
- IS 16048-2 / IEC 61951-2: 2021 – Secondary Cells & Batteries (Nickel-Metal Hydride)
- IS 16270: 2014 – Secondary Cells & Batteries for Solar Photovoltaic Applications
- UN 38.3: 2019 – Manual of Tests & Criteria for Lithium Batteries

BIS SAFETY TESTING STANDARDS

LED LUMINAIRES

- IS 10322 (Part 5/Section 1): 2012 – Fixed General Purpose LED Luminaires
- IS 10322 (Part 5/Section 2): 2012 – Recessed LED Luminaires
- IS 10322 (Part 5/Section 3): 2012 – LED Luminaires for Road and Street Lighting
- IS 10322 (Part 5/Section 5): 2013 – LED Flood Lights
- IS 10322 (Part 5/Section 8): 2013 – LED Luminaires for Emergency Lighting

BATTERY SAFETY STANDARDS

- IS 16046 (Part 1): 2018 – Secondary Cells and Batteries – Nickel Systems
- IS 16046 (Part 2): 2018 – Secondary Cells and Batteries – Lithium Systems

POWER & IT EQUIPMENT SAFETY STANDARDS

- IS 13252 (Part 1): 2010 – Information Technology Equipment – Safety Requirements
- IS 616: 2017 – Audio, Video, and Similar Electronic Apparatus – Safety Requirements
- IS 16242 (Part 1): 2014 – Uninterruptible Power Systems (UPS) – Safety Requirements
- IS 16333 (Part 3): 2022 – Indian Language Support for Mobile Phones

LED CONTROLGEAR & LAMPS

- IS 15885 (Part 2/Section 13): 2012 – DC or AC Supplied Electronic Controlgear for LED Modules
- IS 16102 (Part 1): 2012 – Self-ballasted LED Lamps for General Lighting Services
- IS 16106: 2012 / LM-79-2019 is the Indian Standard for Electrical and Photometric Measurements of Solid State Lighting (LED) Products

GLOBAL PRESENCE

LAB ADDRESS :

A 43, SECTOR 67,
BLOCK A, NOIDA (UP),
INDIA - 201301

8 BRANCH OFFICES,
RELATIVELY LOCAL
PRESENCE IN ALL
STATE IN INDIA

10 ASIA
25 EUROPE
13 NORTH AMERICA
12 MIDDLE EAST & AFRICA



GCF ACCREDITED SCOPE

SIGNALLING CONFORMANCE

- 3GPP TS 36.523-1 - E-UTRA / NB-IoT / NB-NTN / Cat-M
- 3GPP TS 51.010-1 - GERAN
- 3GPP TS 34.123-1 - UMTS
- 3GPP TS 38.523-1 - 5G NR / RedCap

RF CONFORMANCE

- 3GPP TS 38.521-4-5G NR/ RedCap
- 3GPP TS 38.521-1-5G NR/ RedCap
- 3GPP TS 36.521-4-E-UTRA NB-IoT
- 3GPP TS 36.521-1-E-UTRA/ NB-IoT / NB-NTN/ Cat-M
- 3GPP TS 38.521-3 - 5G NR
- 3GPP TS 34.121-1 - UMTS

RRM CONFORMANCE

- 3GPP TS 38.533 - 5G NR/ RedCap
- 3GPP TS 36.521-3 - E-UTRA/ NB-NTN / Cat-M

LOCATION SERVICES

- SUPL-OMA-ETS-SUPL V1.0
- SUPL-OMA-ETS-SUPL V2.0
- 3GPP TS 37.571-1 - LTE / 5G Positioning
- 3GPP TS 37.571-2 - LTE / 5G Positioning

GCF CELLULAR FIELD TRIALS

- GCF-CC Annex F 5.1,F 5.2,F 5.3, F 5.4, F 5.5 (Cellular, IMS, AE, MIoT, MCS Field Trials)

DATA PERFORMANCE

- 3GPP TR 37.901-5 - 5G NR
- 3GPP TR 37.901-1 - LTE

IMS SIGNALLING

- 3GPP TS 34.229-1 - E-UTRA
- 3GPP TS 34.229-5 - 5G NR

UICC TESTING

- 3GPP TS 31.121 - 2G/ 3G/ 4G/ 5G/ Cat-M/ NB-IoT/ RedCap/ NB-NTN
- 3GPP TS 31.124 - 2G/ 3G/4G/ 5G/ Cat-M/ NB-IoT/ RedCap/ NB-NTN
- ETSI TS 102 230-1 - NI- UICC & NI-USIM
- ETSI TS 102 695-1
- ETSI TS 102 694-1
- ETSI TS 102 384
- GSMA TS.35
- GSMA TS.27

MCS & RSP

- GSMA SGP.23-1 - eUICC Remote SIM Provisioning
- 3GPP TS 37.579-2 - Mission Critical Services

PTCRB ACCREDITED SCOPE

SIGNALLING CONFORMANCE

- 3GPP TS 38.523-1 - 5G NR/ RedCap
- 3GPP TS 36.523-1 - E-UTRA/ NB-IoT / NB-NTN / Cat-M

UICC TESTING

- 3GPP TS 31.121 - E-UTRA/ NR / Cat-M/ NB-IoT/ RedCap/ NB-NTN
- 3GPP TS 31.124 - E-UTRA / NR/ Cat-M/ NB-IoT/ RedCap/ NB-NTN
- ETSI TS 102 230-1-NI-UICC,NI-USIM

RRM CONFORMANCE

- 3GPP TS 38.533 - 5G NR/ RedCap
- 3GPP TS 36.521-3 - E-UTRA/ NB-NTN / Cat-M

MCS & RSP

- GSMA SGP.23-1 - eUICC Remote SIM Provisioning
- 3GPP TS 37.579-2 - Mission Critical Services

POSITIONING SERVICES

- SUPL - OMA-ETS-SUPL V1.0
- SUPL - OMA-ETS-SUPL V2.0
- 3GPP TS 37.571-1 - LTE / 5G Positioning
- 3GPP TS 37.571-2 - LTE / 5G Positioning

IMS SIGNALLING

- 3GPP TS 34.229-1 - E-UTRA
- 3GPP TS 34.229-5 - 5G NR

RF CONFORMANCE

- 3GPP TS 38.521-4 - 5G NR/ RedCap
- 3GPP TS 38.521-1 - 5G NR/ RedCap
- 3GPP TS 36.521-4 - E-UTRA NB-IoT
- 3GPP TS 36.521-1 - E-UTRA/ NB-IoT / NB-NTN / Cat-M
- 3GPP TS 38.521-3 - 5G NR

DATA PERFORMANCE

- 3GPP TR 37.901-1 - E-UTRA

UICC BASED NFC

- ETSI TS 102 695-1
- ETSI TS 102 694-1
- ETSI TS 102 384
- GSMA TS.27
- GSMA TS.35