

EMC & RF TESTING

FULLY EQUIPPED FOR ALL MAJOR MARKETS

THE CHALLENGE

Most electrical/electronic, automotive and wireless/IoT products need to comply with electromagnetic compatibility (EMC) and radio frequency (RF) requirements in order to sell in global markets. With the increased use of wireless communications, the potential for interference from digital devices is also increasing.

EMC test processes are designed to verify that the electromagnetic interference transmitted by your product is within the accepted range and that your product and its functionalities are themselves not negatively influenced by electromagnetic interferences.

Non-compliant products are at risk of being recalled or stopped at customs, which can negatively impact brand image. Thus, verifying EMC compliance for your products becomes critical for your company's success



Move Forward with Confidence

**BUREAU
VERITAS**

OUR SOLUTION

MARKET ACCESS INFORMATION

EMC testing is a mandatory requirement in most markets, including Europe, the US, China, Korea, Australia and New Zealand. It helps you meet regulatory requirements, improve product performance and reduce the risk of non-compliance. We can advise you on your target country requirements and help develop a rationalized test plan.

FAST MARKET ACCESS

Avoid failures and delays to market acceptance with the services from Bureau Veritas. Our EMC and RF specialists and test environments get actionable test result data to give you the confidence you need to go through testing quickly and without delay.

TECHNICAL SPECIALISTS

Our technical advisory team can help you debug a failed product supporting your design team in addressing the failure within the product re-design.

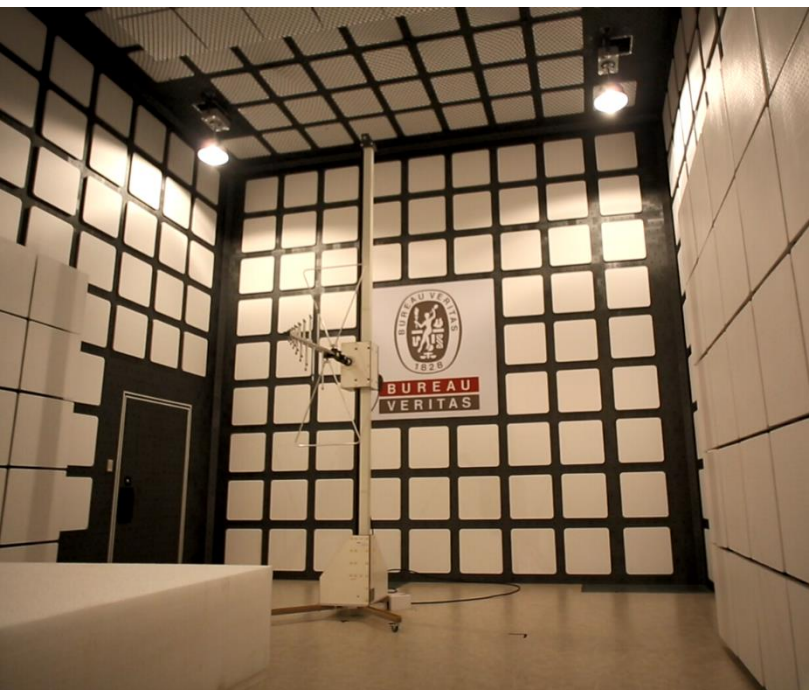
ALWAYS UP-TO-DATE

Our accredited, high-tech laboratories are continuously updated with the latest testing requirements and specifications for all types of electrical/electronic, automotive and wireless products for countries worldwide.

EMC/RF TESTING SERVICES

- **EMC Emissions Testing:** A test to measure the electromagnetic interference (EMI) caused by an electrical device
- **EMC Immunity Testing:** A test to measure the susceptibility of a product to electromagnetic interference from other sources.
- **Electrostatic Discharge (ESD) Testing:** The release of static electricity when two objects come into contact. Examples of ESD includes the static electricity you sometimes feel after drying clothes in a clothes dryer or a lightning bolt.
- **Conducted Immunity Testing:** The injecting of current into the input and output cables of a system under test.
- **Conducted Emissions Testing:** The RF energy that is transmitted from an electrical device through the power cord and back into the electrical system.
- **Radio Frequency Testing:** The testing is required for wireless equipment to test they are using the radio spectrum effectively by not interfering with other users of the radio frequency spectrum. It covers technologies such as RFID, NFC, Bluetooth, Wi-Fi, DSRC, CBRS, Zigbee, LoRa, SigFox & 2G/3G/4G/5G.

5M EMC TEST CHAMBER



OUR VALUE

- **Network:** Strong Americas Footprint & Global Network
- **Scale:** 1,000+ highly skilled personnel | 400+ test environments worldwide. 200 personnel in USA.
- **Reputation:** 100+ accreditations / recognitions | Competent in all key wireless technologies & regulatory requirements for 200+ territories
- **Segment Leadership:** Address all key technology markets (Electrical/Electronics, Automotive & Wireless) with active participation in all key technical / industry working groups
- **Complete Service:** Conformance, Performance and Regulatory, Smart Payment & Cybersecurity. Fast Access to 200 Countries/Territories