

Product Suitability- EMC

Product Type

The test services are suitable for manufacturers, importers and suppliers of electrical equipment, such as:

- Information Technology equipment
- Security equipment
- Analogue and digital Telecommunication Terminal Equipment
- Laboratory equipment
- Electronic toys and games
- Small domestic appliances
- Medical and scientific equipment
- Fire and smoke equipment
- Other commercial products

Please note there are restrictions on the size of equipment we are able to test. This is governed by the size of the test chamber, as detailed below.

EMC Chamber Capacity

Chamber door dimensions: 900 x 2050 mm (WxH)

Test table dimensions: 0.8 m x 0.8 m x 0.8 m (WxDxH)

Test table max. load: 100kg

EMC Chamber Equipment Information

Equipment	Model	Applications	Specification
EMC Test Chamber	Albatross Projects 3m Semi Anechoic	<ul style="list-style-type: none"> • Radiated Emissions • Radiated Immunity 	<ul style="list-style-type: none"> • Chamber dimensions: 8.5m x 4.6m x 6m (LxWxH) • CISPR 16-1 compliant • Fully automated 1.2m diameter turntable with 1-4m adjustable antenna mast • Chamber door dimensions: 900 x 2050 mm (WxH) • Test table dimensions: 0.8 m x 0.8 m x 0.8 m (WxDxH) • Test table max. load 100 kg
EMI Test Receiver	Rohde & Schwarz ESRP7	<ul style="list-style-type: none"> • Radiated Emissions • Conducted Emissions 	<ul style="list-style-type: none"> • 9 kHz to 7 GHz • Compatible with EMC32 automation software
Two-Line V-Network (LISN)	Rohde & Schwarz ENV216	<ul style="list-style-type: none"> • Conducted Emissions 	<ul style="list-style-type: none"> • 9 kHz to 30 MHz • 16A capacity
Antenna	Rohde & Schwarz HL562E	<ul style="list-style-type: none"> • Radiated Emissions • Radiated Immunity 	<ul style="list-style-type: none"> • 30 MHz to 6 GHz
Signal Generator	Rohde & Schwarz SMB100A	<ul style="list-style-type: none"> • Radiated Immunity at 3V/m and 10V/m • Conducted Immunity at 3V and 10V 	<ul style="list-style-type: none"> • 9 kHz to 6 GHz
Broadband Amplifier	Rohde & Schwarz BBA150	<ul style="list-style-type: none"> • Radiated Immunity at 3V/m and 10V/m • Conducted Immunity at 3V and 10V 	<ul style="list-style-type: none"> • 9 kHz to 6 GHz • 250W
Power Meter	Rohde & Schwarz NRP2	<ul style="list-style-type: none"> • Radiated Immunity • Conducted Immunity 	<ul style="list-style-type: none"> • 8 kHz to 6 GHz

EMC Immunity Bench Test Equipment Information

ESD Simulator	Teseq NSG 435	<ul style="list-style-type: none"> Electrostatic Discharge 	<ul style="list-style-type: none"> Air-discharge: 200 V to 16.5 kV Contact-discharge: 200 V to 9 kV
EMC Generator	Teseq NSG 3040	<ul style="list-style-type: none"> Surge EFT/Burst 	<ul style="list-style-type: none"> Surge voltage to 4.4 kV EFT/Burst to 4.8 kV / 1 MHz
Capacitive Clamp	Teseq CDN 8015-M Capacitive Clamp	<ul style="list-style-type: none"> To couple Burst/EFT pulses to data lines. 	<ul style="list-style-type: none"> 1m length 8 kV