
SEMI-ANECHOIC CHAMBER FOR EMC PRE-COMPLIANCE



The TLCSannio Testing Lab is equipped by an anechoic chamber to provide *pre-compliance* tests. *Pre-compliance* tests are very useful to analyze information technology equipment under development and to study EMC features of the EUT without recourse to a complete test. These tests are realized with simplified procedures than is required by law and are fundamental to analyze the behaviour of the Environment under test compared with emission and immunities limits.

MISSION

- Testing the compliance of electronic equipment to the EN55022 and EN55024 specifications.
- Radiated and conducted emission measurements.
- Radiated Immunity measurements

TECHNICAL DATA

- Length: 7m Weight: 4m Height: 3.5 m
- Access door dimensions: 2.5m X 1m
- Electric field strength up to 200 V/m in the frequency range 10 kHz – 1 GHz

- Ferrite tiles: 10cm x 10cm x 0.5cm
- Shielding efficiency:>100 dB

EQUIPMENT

- EMC Ultra-Log Antenna (30MHz – 3GHz)
- EMC Log Antenna (400MHz – 3GHz)
- Spectrum Analyzer with quasi-peak detector (30MHz – 1GHz, $P_{MAX} = 30dBm$)
- Vector Signal Analyzer with large IF Bandwidth (up to 120 MHz)
- Signal generator in the frequency range 300kHz – 3.3 GHz (CW and AM, FM, GSM and UMTS modulation)

TESTS

- Immunity emission test
- Radiated and conducted emissions tests
- Metrological characterization of Telecommunication Equipment

REFERENCE STANDARDS

- EN55022
- EN55024
- CISPR 16
- CEE 89/336

CONTACTS

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