

**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING  
CISPR 35:2016 - Edition 1.0**

**Electromagnetic compatibility of multimedia equipment - Immunity requirements**

- “R” Required
- “S” May be subcontracted, see OD 2012
- “SPTL” Specialized Facility, see IECEE 02-2
- “W” Witness testing in the categories “MED” and “MEAS”
- “3PPS” Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
4.2.1	Electrostatic discharges (IEC 61000-4-2)	ESD simulator, VCP, HCP, RGP, 470 kOhm resistors (2)	R
4.2.2.2	Continuous radiated radio frequency disturbance (IEC 61000-4-3, IEC 61000-4-20 and IEC 61000-4-21)	Signal generator, RF power amplifier, Biconical antenna and logperiodic antenna or Bilog antenna, Millivoltmeter (or Power Meter with Power Sensor), Isotropic Field Probe, Directional coupler, RF Coaxial Cable, Controller (e.g. PC and Controller software). Anechoic chamber or Semi-Anechoic chamber (61000-4-3) or Transverse ElectroMagnetic (TEM) waveguides (61000-4-21) or Reverberation chamber, tuner/stirrer assembly, receiver antennas (61000-4-21).	R
		EMI Filter, Additional absorbers, Function generator	S
4.2.2.3	Continuous radio frequency disturbance (IEC 61000-4-6)	Signal generator, RF power amplifier, Coupler, Coupling/decoupling network, RF Coaxial Cable, Attenuator, Power meter with Power Sensor or Spectrum Analyzer, EM clamp, Current clamp, 100 Ω to 50 Ω adaptor and direct injection device, RGP, clamp test jig	R
		Decoupling network, Decoupling device, Artificial hand, 50 Ω Termination, EMI Filter	S



**IEC SYSTEM FOR CONFIRMITY TESTING AND CERTIFICATION  
OF ELECTROTECHNICAL EQUIPMENT AND COMPONENTS**

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
4.2.3	Power frequency magnetic fields (IEC 61000-4-8)	Test Generator, Square Coil and/or Rectangular Coil and/or Other inductive Coil, and/or Helmholtz Coil, Magnetic Field Tester, Magnetic Field Probe	R
		Decoupling network, Back filter	S
4.2.4	Electrical fast transients (IEC 61000-4-4)	Burst Generator, Coupling/Decoupling Network, Capacitive clamp, 33 nF capacitor for direct injection, RGP	R
4.2.5	Surges (IEC 61000-4-5)	Surge generator (1.2/50 $\mu$ s), Coupling/decoupling network, RGP	R
		Surge generator (10/700 $\mu$ s), Coupling/decoupling network for signal	S
4.2.6	Voltage dips and interruptions (IEC 61000-4-11)	Test generator, oscilloscope	R
4.2.7	Broadband impulsive conducted disturbances (CISPR 35)	Signal generator, Arbitrary waveform source, RF power amplifier, Coupler, Coupling/decoupling network with ACL >60dB, RF Coaxial Cable, Attenuator, Power meter with Power Sensor, DSLAM, Line simulator and RGP	S