



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING CISPR 11 : 2009

Industrial, scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of Measurement

R = Required by Lab

S = May be subcontracted

W = Witness testing

3PPS = Three Phase Power Supply required

Clause	Measurement/testing	Testing/ measuring equipment / material needed	Subcontracting
8.2	Measurement of conducted disturbances on the mains	CISPR 16-1 compliant Test Receiver, AMN	R
8.3	Measurement of Radiated disturbances 9 KHz-1GHz	Triple loop Antenna , Active loop antenna Test Receiver, Spectrum analyzer + Preselector + QP adapter, a suitable test site	R



8.4	Measurement of Radiated disturbances 30 MHz – 1 GHz	Biconical Antenna and Logperiodic antenna or Bilog antenna, Test Receiver or Spectrum analyzer + Preselector + QP adapter, Semi- anechoic chamber or Open area test site	R
9	Measurement of Radiated disturbances 1GHz-18GHz	Double ridge horn Antenna, Spectrum analyzer , RF Amplifier, Anechoic chamber	R

Note: The presence of equipment alone does not indicate a satisfactory situation. Assessors must evaluate the equipment design, calibration, uncertainty and documentation to ensure compliance with the directions of the standard. The requirements of ISO IEC 17025 regarding validation are applicable, as the tests of this standard are not standardised tests.