



**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
CISPR 11: 2009 + A1: 2010 Edition 5.1
Industrial, scientific and medical (ISM) radio-frequency equipment
Electromagnetic disturbance characteristics – Limits and methods of Measurement**

“R” Required
 “S” May be subcontracted, see OD 2012
 “SF” 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
6.2.1.3 6.3.1.3	Measurement of conducted disturbances on the mains	Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), AMN, RF Coaxial Cable, RGP	R
		High Pass Filter, Attenuator	S
6.3.2.2	Measurement of Radiated disturbances 9 kHz-150kHz (induction cooking)	Triple loop Antenna , Loop antenna Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), RF Coaxial Cable, a suitable test site	SF
		Attenuator, Filter, RF Amplifier	S

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
6.3.2.3	Measurement of Radiated disturbances 150 kHz-30MHz	Loop antenna Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), RF Coaxial Cable, a suitable test site	SF
		Attenuator, Filter, RF Amplifier	S
6.2.2.3 6.3.2.3	Measurement of Radiated disturbances 30 MHz – 1 GHz	Biconical Antenna and Logperiodic antenna or Bilog antenna, Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), RF Coaxial Cable, Semi- anechoic chamber or Open area test site	R
		Attenuator, Filter, RF Amplifier	S
6.3.2.4	Measurement of Radiated disturbances 1GHz-18GHz	LPDA antenna or Standard gain horn or Double ridge horn Antenna, Receiver or Spectrum analyzer (CISPR 16-1-1 compliant), RF Amplifier, Band reject filter, Anechoic chamber or Semi – anechoic chamber and Absorber or Open area test site	R
7.3.3	Measurement of conducted disturbances on the mains when the AMN can not be used.	Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), Voltage probe, RF Coaxial Cable	S