



**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
IEC 61000-6-4: 2006 + A1: 2010 Edition 2.1
Electromagnetic compatibility (EMC) – Part 6-4: Generic standards –
Emission standard for industrial environments**

“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
2.1	<i>Measurement of conducted disturbances on the mains</i>	<i>Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), AMN, RF Coaxial Cable, RGP</i>	R
		<i>High Pass Filter, Attenuator</i>	S
4.1	<i>Measurement of conducted common mode disturbance on telecommunications/network ports (CISPR 22)</i>	<i>Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), AAN ,ISN, RF Coaxial Cable, RGP</i>	R
		<i>current probe, voltage probe, 150 Ω to 50 Ω adaptor, CMAD (substitutes for AAN)</i>	S

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
2.1	Measurement of Discontinuous disturbance (terminal voltage)	AMN, RF Coaxial Cable, Clickmeter Receiver 150kHz Receiver 500kHz Receiver 1,4 MHz Receiver 30 MHz Oscilloscope	SF
1.1, 1.2	Measurement of Radiated disturbances up to 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, NSA Verification Test Site (SAC Semi- anechoic chamber, OATS Open area test site, FAR Full anechoic chamber), CMAD	R
		Attenuator, Filter, RF Amplifier	S
1.3	Measurement of Radiated disturbances according to IEC 61000-4-20	Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), RF Coaxial Cable, TEM (substitutes for SAC, OATS or FAR)	S
1.4	Measurement of Radiated disturbances above 1 GHz	Suitable Broadband Linearly Polarised Antenna (e.g. Standard Horn, Double Ridged Guide Antenna, etc), Receiver or Spectrum analyzer + Preselector + QP adapter (CISPR 16-1-1 compliant), RF Coaxial Cable, Verification Test Site (SAC Semi- anechoic chamber, OATS Open area test site, FAR Full anechoic chamber)	R
		Attenuator, Filter, RF Amplifier	S