

TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING CISPR 14-2:2020

Electromagnetic compatibility – Requirements for household appliances, Electric tools and similar apparatus – Part 2: Immunity – Product family standard

“R”	Required
“S”	May be subcontracted, see OD 2012
“SP”	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	Equipment Classification
5.1	Electrostatic discharge	See list of equipment for IEC 61000-4-2	ESD61000-2
5.2	Fast Transients	See list of equipment for IEC 61000-4-4	EFT61000-4
5.3	Injected currents, 0,15 MHz to 230 MHz	See list of equipment for IEC 61000-4-6 + CDNs suitable for the use up to 230 MHz	RFCI61000-6
5.4	Injected currents, 0,15 MHz to 80 MHz	See list of equipment for IEC 61000-4-6	
5.5	Radio frequency electromagnetic fields, 80 MHz to 1 GHz	See list of equipment for IEC 61000-4-3	AC-3M
5.5	Radio frequency electromagnetic fields, 80 MHz to 1 GHz	See list of equipment for IEC 61000-4-20	/
5.5	Radio frequency electromagnetic fields, 80 MHz to 1 GHz	See list of equipment for IEC 61000-4-22	/
5.5	Radio frequency electromagnetic fields, 1GHz to 6 GHz	See list of equipment for IEC 61000-4-3	AC-3M
5.5	Radio frequency electromagnetic fields, 1GHz to 6 GHz	See list of equipment for IEC 61000-4-20	/

Clause	Measurement/testing	Testing / measuring equipment / material needed	Equipment Classification
5.5	Radio frequency electromagnetic fields, 1GHz to 6 GHz	See list of equipment for IEC 61000-4-22	/
5.6	Surges	See list of equipment for IEC 61000-4-5	SG61000-5
5.7	Voltage Dips	See list of equipment for IEC 61000-4-11 (Equipment applicable for voltage interruptions is not required)	CSS61000-11

1) If the highest clock frequency of the test item is less than 15 MHz this test is not necessary. For many simple household appliances, the test for IEC 61000-4-6 up to 230 MHz is sufficient and therefore the test according 5.5 for radio frequency electromagnetic fields would not be necessary.

2) One of the test facilities (IEC 61000-4-3, IEC 61000-4-20 or IEC 61000-4-22) shall be available in the laboratory (R) if tests on products with a highest clock frequency \geq 15 MHz are performed.

3) If the highest clock frequency of the test item is less than 200 MHz this test is not necessary. For many less complex household appliances, the test up to 1 GHz is sufficient and therefore the test according 5.5 for radio frequency electromagnetic fields from 1 GHz to 6 GHz would not be necessary.

4) One of the test facilities (IEC 61000-4-3, IEC 61000-4-20 or IEC 61000-4-22) shall be available in the laboratory (R) if tests on products with a highest clock frequency \geq 200 MHz are performed.