

# 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	<b>ESD61000-2</b>
5.2	Fast Transients	See list of equipment for IEC 61000-4-4	<b>EFT61000-4</b>
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	<b>RFCI61000-6</b>
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	<b>AC-3M</b>
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	<b>AC-3M</b>
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	<b>SG61000-5</b>
5.7	Voltage Dips	See list of equipment for IEC 61000-4-11 (Equipment applicable for voltage interruptions is not required)	<b>CSS61000-11</b>
<p>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.</p> <p>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 <math>\geq 15</math> MHz are performed.</p> <p>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.</p> <p>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 <math>\geq 200</math> MHz are performed.</p>			