

5 TEST CONDITIONS AND RESULTS

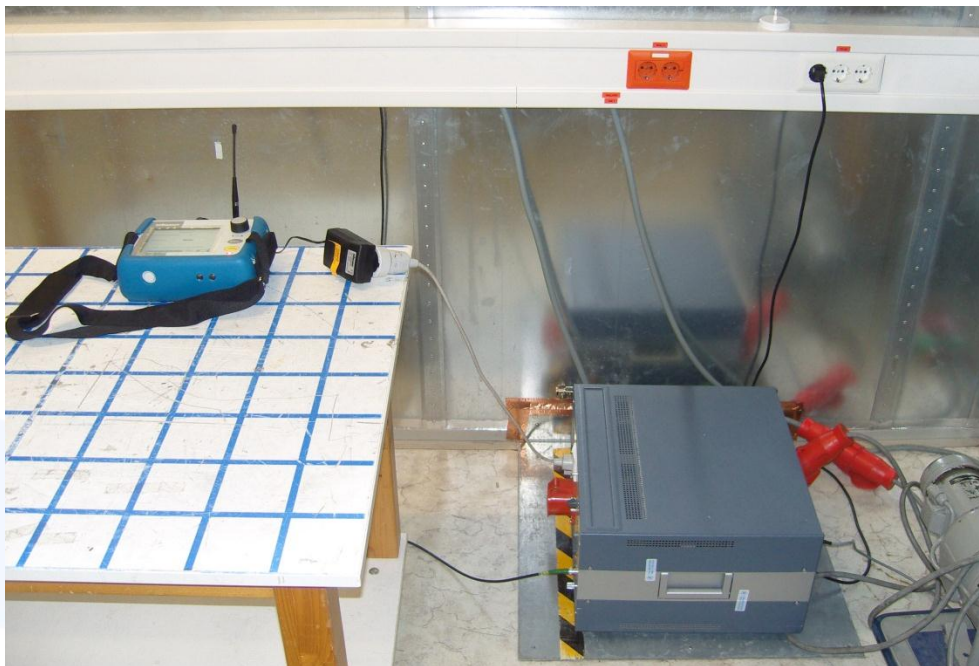
5.1 Conducted emission

For test instruments and accessories used see section 6 Part A 4.

5.1.1 Description of the test location

Test location: Shielded Room S2

5.1.2 Photo documentation of the test set-up



5.2 Radiated emission

For test instruments and accessories used see section 6 Part **SER 2**, **SER 3**.

5.2.1 Description of the test location

Test location: OATS 1
Test location: Anechoic chamber 2

Test distance: 3 m

5.2.2 Photo documentation of the test setup



Dipole antenna



Magnetic socket antenna



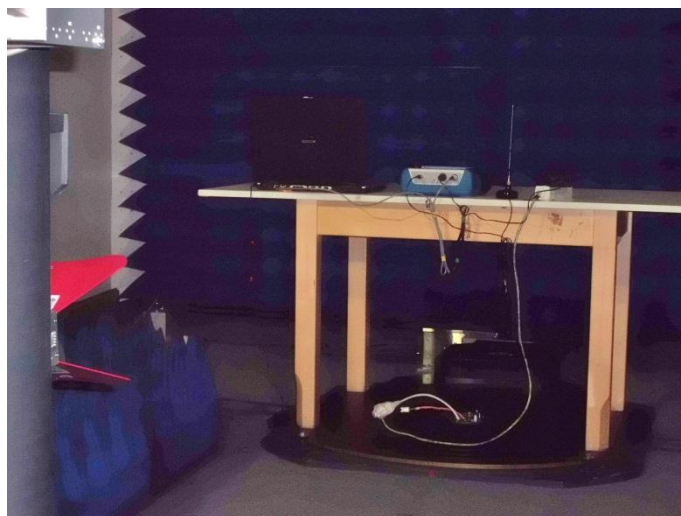
Dipole antenna



Magnetic socket antenna



Dipole antenna



Magnetic socket antenna

5.2.3 Applicable standard

According to FCC Part 15B, Section 15.109 (a):

Except for Class A digital devices, the field strength of radiated emission from unintentional radiators at a distance of 3 m shall not exceed the given limit.

5.2.4 Description of Measurement

The radiated power of the spurious emission from the EUT is measured in a test setup following the procedures set out in ANSI C63.4. If the emission level of the EUT in peak mode complies with the average/quasipeak limit is 20 dB lower, then testing will be stopped and peak values of the EUT will be reported, otherwise the emission will be measured in average/quasipeak mode again and reported.

Instrument settings:

30 MHz – 1000 MHz: RBW: 120 kHz
1000 MHz – 18000 MHz RBW: 1 MHz

5.2.5 Test result

f < 1 GHz:

Dipole antenna / Magnetic socket antenna

Frequency (MHz)	Level QP (dBμV)	Level AV (dBμV)	Bandwidth (kHz)	Correct. factor (dB)	Level QP (dBμV/m)	Level AV (dBμV/m)	Limit (dBμV/m)	Delta (dB)
46.94	19.0	-	120	14.9	33.9	-	40.0	-6.1
174.38	18.9	-	120	13.0	31.9	-	43.5	-11.6
199.28	31.0	-	120	11.2	42.2	-	43.5	-1.3
224.19	32.1	-	120	12.3	44.4	-	46.0	-1.6
231.90	23.9	-	120	12.7	36.6	-	46.0	-9.4
274.00	21.3	-	120	14.9	36.2	-	46.0	-9.8
298.94	22.8	-	120	15.8	38.6	-	46.0	-7.4
373.64	18.5	-	120	17.9	36.4	-	46.0	-9.6
398.57	17.5	-	120	18.8	36.3	-	46.0	-9.7
597.86	12.4	-	120	24.2	36.6	-	46.0	-9.4
697.50	11.0	-	120	25.1	36.1	-	46.0	-9.9