

1 TEST CONDITIONS AND RESULTS

1.1 Conducted emissions

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

1.1.1 Description of the test location

Test location: NONE

Remarks: The EUT has no AC mains connection.

1.2 Field strength of the fundamental wave

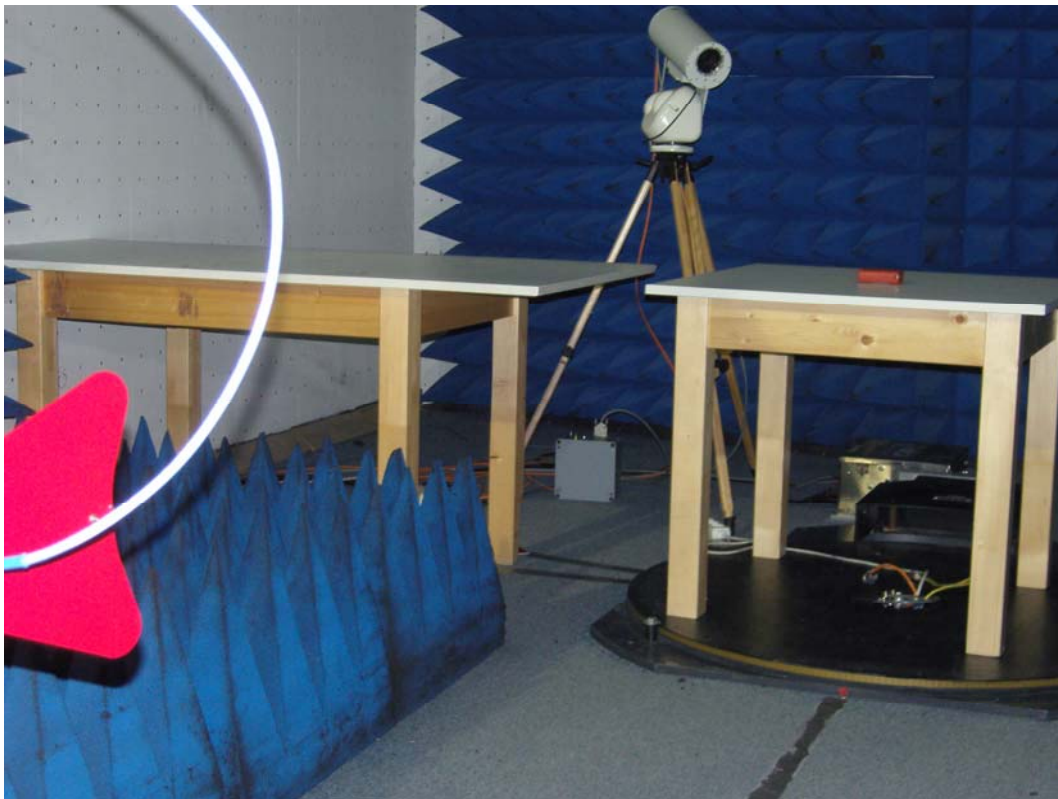
For test instruments and accessories used see section 6 Part CPR 3.

1.2.1 Description of the test location

Test location: Anechoic Chamber A2

Test distance: 3 metres

1.2.2 Photo documentation of the test set-up



1.2.1 Spurious emissions radiated

For test instruments and accessories used see section 6 Part **SER1**, **SER 2**, **SER 3**.

1.2.2 Description of the test location

Test location: OATS1
Test location: Anechoic Chamber A2

Test distance: 3 metres

1.2.3 Photo documentation of the test set-up

Test setup for 9 kHz to 30 MHz



Test setup for 30 MHz to 300 MHz



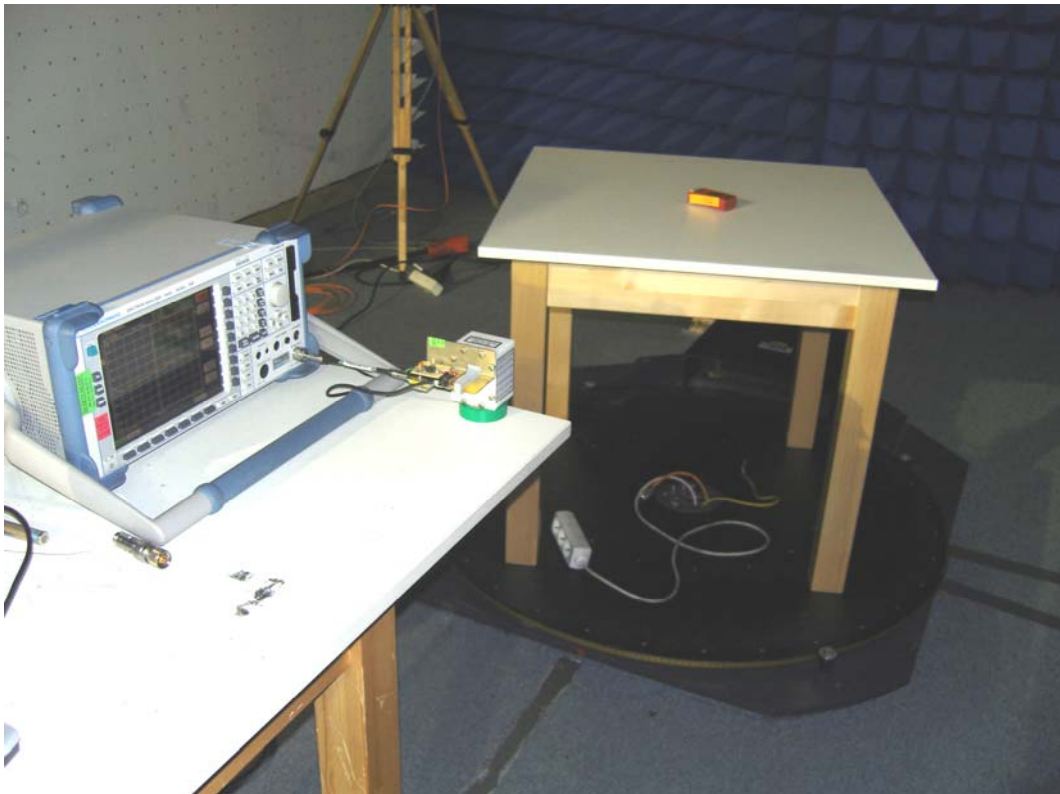
Test setup for 300 MHz to 1000 MHz



Test setup for 1 GHz to 18 GHz



Test setup for 18 GHz to 26 GHz



1.2.4 20 dB bandwidth

For test instruments and accessories used see section 6 Part MB.

1.2.5 Description of the test location

Test location: Anechoic Chamber A2

1.2.6 Photo documentation of the test set-up



1.2.7 Applicable standard

According to FCC Part 15, Section 15.215(c):

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in Section 15.217 through Section 15.257, must be designed to ensure that the 20 dB bandwidth of the emission is contained within the frequency band designated in the rule section under which the equipment is operated.

1.2.8 Description of Measurement

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio of -20 dB. The reference level is the level of the highest signal amplitude observed from the transmitter at the fundamental frequency. Alternative is the x-dB-down function of the analyser used. The EBW is then directly shown in the marker display. The measurement is performed with normal modulation and a transfer rate means the worst case.

Spectrum analyser settings:

RBW: 100 kHz

VBW: 300 kHz

Span: 5 MHz

1.2.9 Occupied bandwidth

For test instruments and accessories used see section 6 Part **MB**.

1.2.10 Description of the test location

Test location: Anechoic Chamber A2

1.2.11 Photo documentation of the test set-up



1.2.12 Applicable standard

According to RSS-Gen, 4.6.1:

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

1.2.13 Description of Measurement

The bandwidth was measured with the function “bandwidth measurement” of the spectrum analyser and recorded.
Spectrum analyser settings: RBW: 100 kHz, VBW: 300 kHz;