Conducted emissions on the DC power interface of the EuT are measured in the frequency range of 150 kHz to 30 MHz. The measurements are performed using a receiver, which has CISPR characteristic bandwidth and quasi-peak detection, and a Line Impedance Stabilization Network (LISN), with 50Ω/50 μH (CISPR 16) characteristics. Table top equipment is placed on a non-conducting table 80 centimeter's above the floor and is positioned 40 centimeter's from the vertical ground plane (wall) of the screen room. If the minimum passing margin appears to be less than 20 dB with a peak mode measurement, the emissions are remeasured using a tuned receiver with quasi-peak and average detection and recorded on the data sheets.

Remarks: The measurement is not applicable because the EuT is not powered by the system, but it is separated powered by a 3.0 V battery.

5.2 Radiated power of the fundamental wave

For test instruments and accessories used see section 6 Part **CPR 2**.

5.2.1 Description of the test location

Test location: OATS1

Test distance: 3 metres

5.2.2 Photo documentation of the test set-up

5.3 Radiated emissions (electric field) 30 MHz – 18 GHz

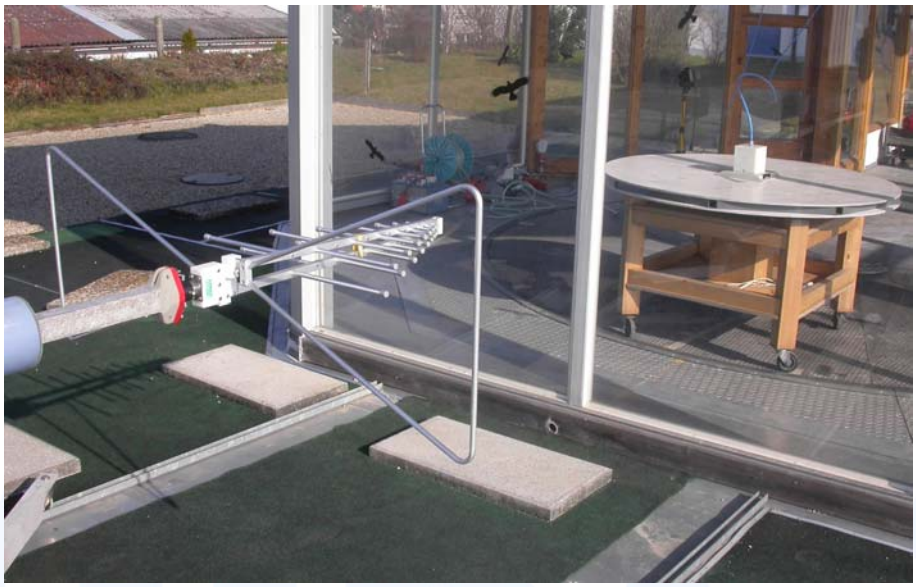
For test instruments and accessories used see section 6 Part **SER 2, SER 3**.

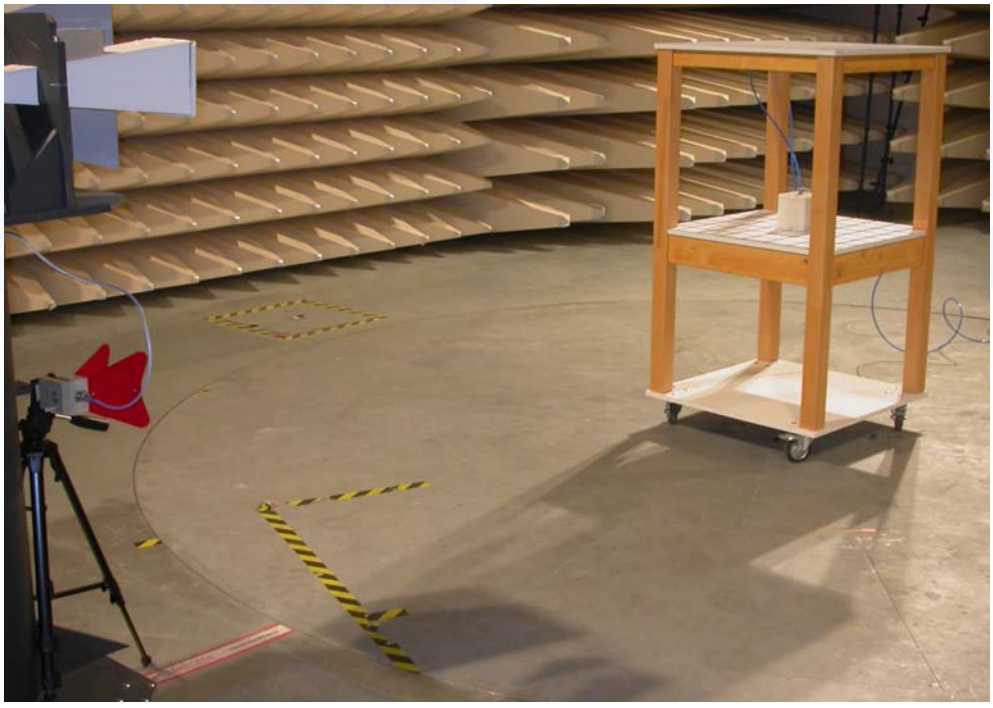
5.3.1 Description of the test location

Test location: OATS1
Anechoic Chamber A2

Test distance: 3 metres

5.3.2 Photo documentation of the test set-up





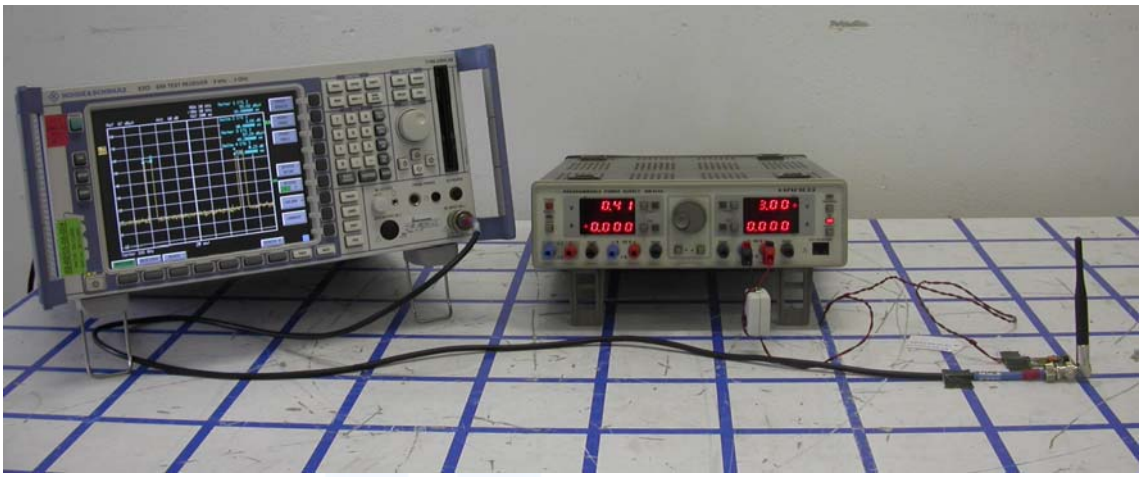
5.4 Correction for Pulse Operation (Duty Cycle)

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

5.4.1 Description of the test location

Test location: AREA4

5.4.2 Photo documentation of the test set-up



5.4.3 Description of Measurement

The Duty cycle factor, expressed in dB, is arrived by taking the following formula:

$$K_E = 20 \log [(t_{iB} * p)/T_w]$$

K_E: pulse operation correction factor [dB]
t_{iw} pulse duration for one complete pulse track [µsec]
t_{iB} pulse duration for one pulse [µsec]
T_w a period of the pulse track [msec]
p number of pulses in one train

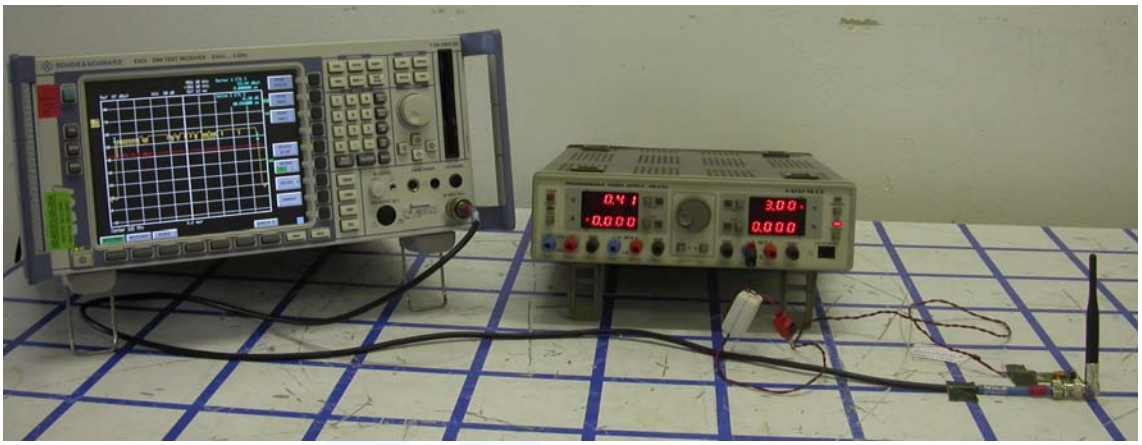
5.5 Bandwidth of Momentary Signals

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

5.5.1 Description of the test location

Test location: AREA4

5.5.2 Photo documentation of the test set-up



5.5.3 Test result

Fundamental [MHz]	Duty Cycle	99% Bandwidth F1	99% Bandwidth F2	Measured Bandwidth	LIMIT Fundamental f*0,0025
315.0	10.65	314.9280	315.0774	149.40	787.5

Limit according to RSS 210, Annex 1, section A1.1.3:

The 99% bandwidth shall be no wider than 0.25% of the center frequency for devices operating between 70 MHz - 900 MHz.

The requirements are **FULFILLED.**

Remarks: For detailed results, please see the test protocol below.

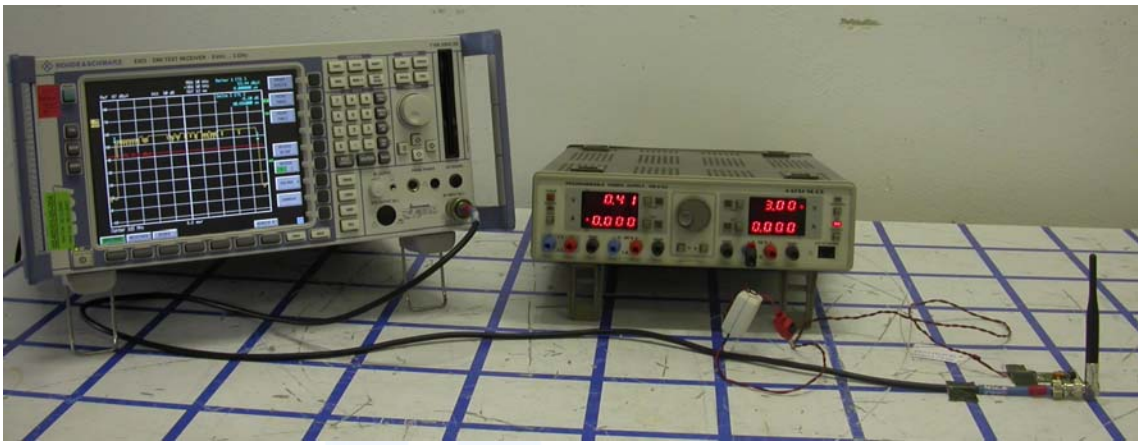
5.6 Signal deactivation

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

5.6.1 Description of the test location

Test location: AREA4

5.6.2 Photo documentation of the test set-up



5.6.3 Test result

The duration of the transmission is 10,35 milliseconds each time the Trigger Transmitter TSSTSb triggered the EuT which meets the requirement of ceasing transmission within 5 seconds.

Limit according to RSS 210, Annex A, section A1.1.1:

A manually operated transmitter shall employ a push-to-operate switch and be under manual control at all transmission times. When released, the transmitter shall cease transmission (holdover time of up to 5 seconds is permitted).

A transmitter activated automatically shall cease transmission within 5 seconds after activation (i.e. maximum 5 seconds of operation).
The requirements are **FULFILLED.**

Remarks: For detailed test results, please see the test protocol below.

6.2 Radiated emissions (electric field)

For test instruments and accessories used see section 6 Part **SER 1.**

6.2.1 Description of the test location

Test location: OATS1

6.2.2 Photo documentation of the test set-up