

FCC ID: LTQFI5AM433TX

5.4 Spurious emissions radiated (electric field)

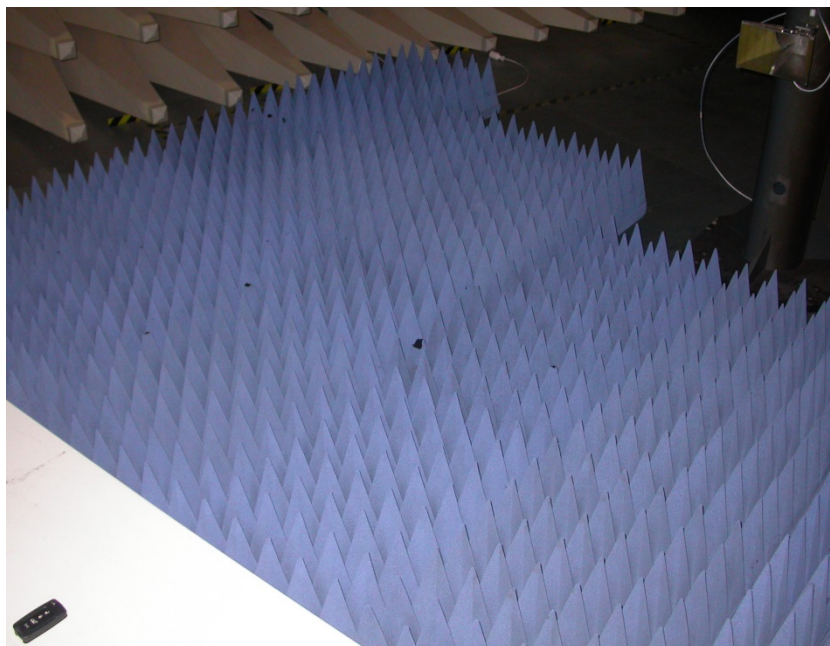
For test instruments and accessories used see section 6 Part **SER 2**, **SER 3**.

5.4.1 Description of the test location

Test location: OATS1
Anechoic Chamber A1

Test distance: 3 metres

5.4.2 Photo documentation of the test set-up



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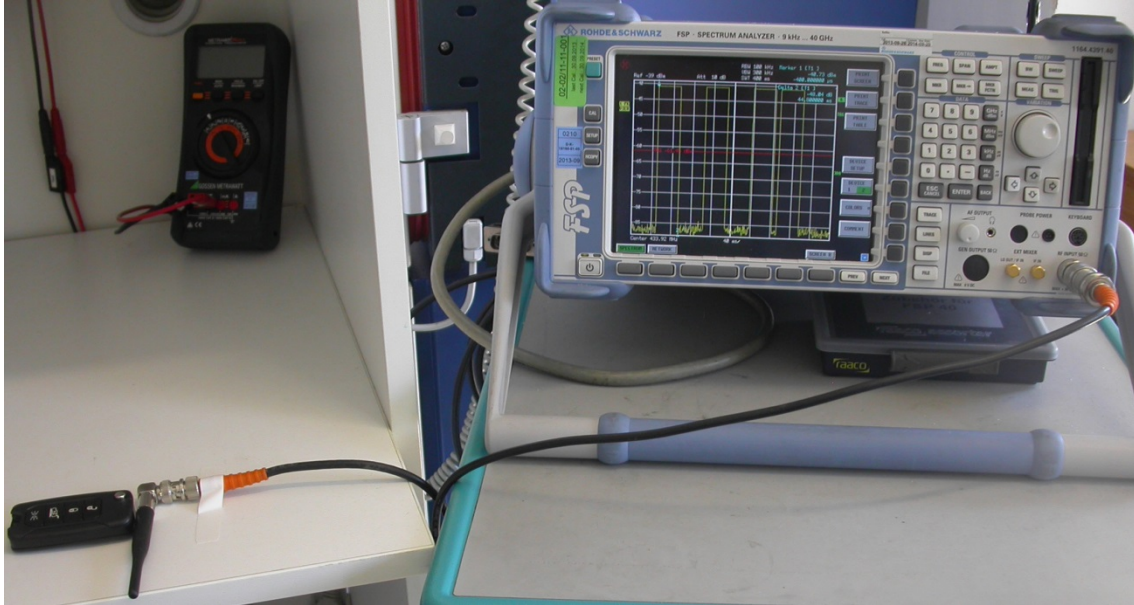
5.5 Correction for pulse operation (duty cycle)

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

5.5.1 Description of the test location

Test location: AREA4

5.5.2 Photo documentation of the test set-up



5.5.3 Applicable standard

According to FCC Part 15C, Section 15.35(c):

The emissions from intentional radiators shall not exceed the effective field strength limits.

5.5.4 Test result

The Duty cycle factor (dB) is calculated applying the following formula:

$$KE = 20 \log \left(\frac{t_{IB}}{100} \right)$$

KE : pulse operation correction factor (dB)
 t_{IB} : pulse duration for one pulse (ms)

Maximum transmitting duration in every 100ms period:

$$KE = 20 \log \left(\frac{89.6^*}{100} \right) = -0.95 \text{ dB}$$

Remarks: The pulse train (T_w) exceeds 100 ms, therefore the duty cycle have been calculated by averaging the sum of the pulse widths over the 100 ms width with the highest average value.

For detailed results, please see the test protocol below.