

## 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



FCC ID: KR5 5WK45144

### 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

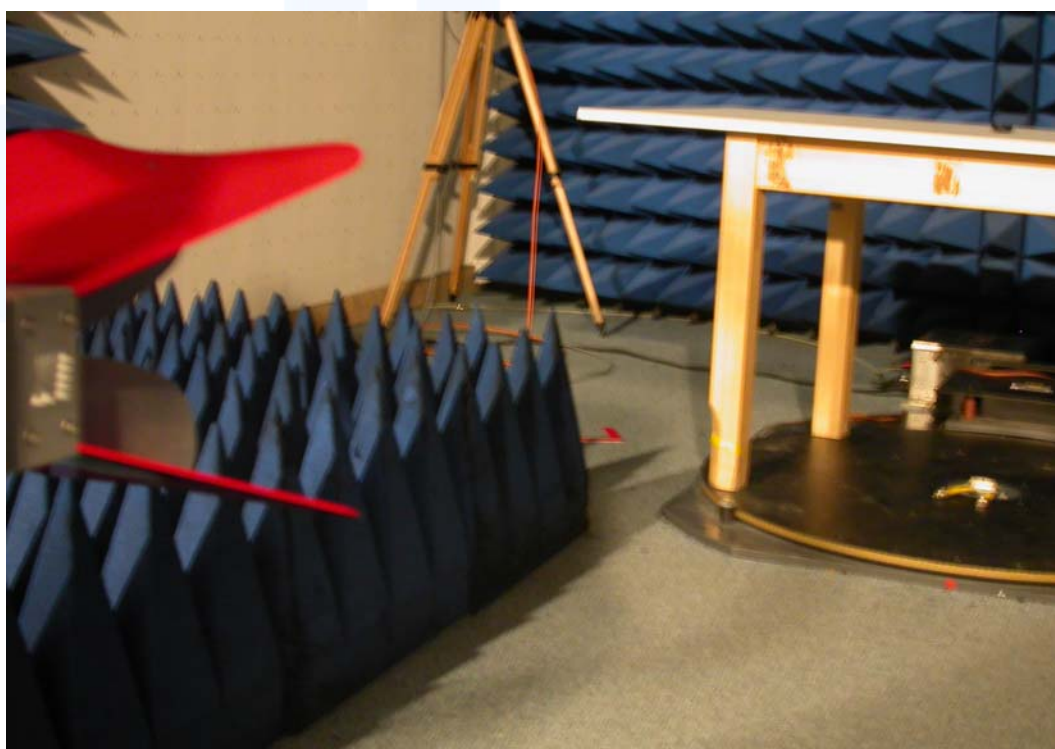
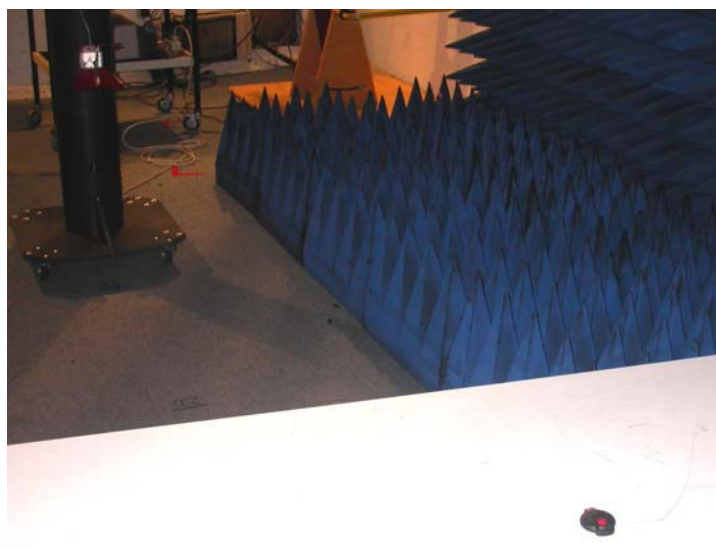
Test location: OATS1  
Test location: Anechoic Chamber A2

Test distance: 3 metres

#### 5.3.2 Photo documentation of the test set-up



FCC ID: KR5 5WK45144



## 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:

$$KE = 20 \log [(t_{IB} \cdot p) / T_w]$$

- KE: pulse operation correction factor [dB]
- $t_{IW}$ : pulse duration for one complete pulse track [msec]
- $t_{IB}$ : pulse duration for one pulse [ $\mu$ sec]
- $T_w$ : a period of the pulse track [msec]
- $p$ : number of pulses in one train



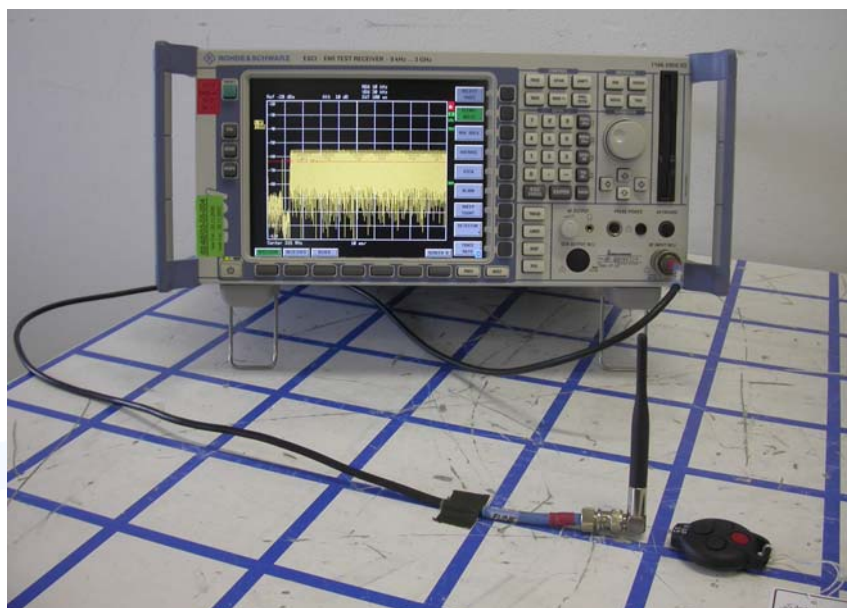
## 5.5 Emission Bandwidth

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] | 20dB Bandwidth F1 | 20dB Bandwidth F2 | Measured Bandwidth | LIMIT Fundamental $f \cdot 0,0025$ |
|-------------------|-------------------|-------------------|--------------------|------------------------------------|
| 314.9733          | 314.9594          | 314.9866          | 0.027              | 0.787                              |

Limit according to FCC Part 15 Subpart 15.231(c):

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

The requirements are **FULFILLED**.

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

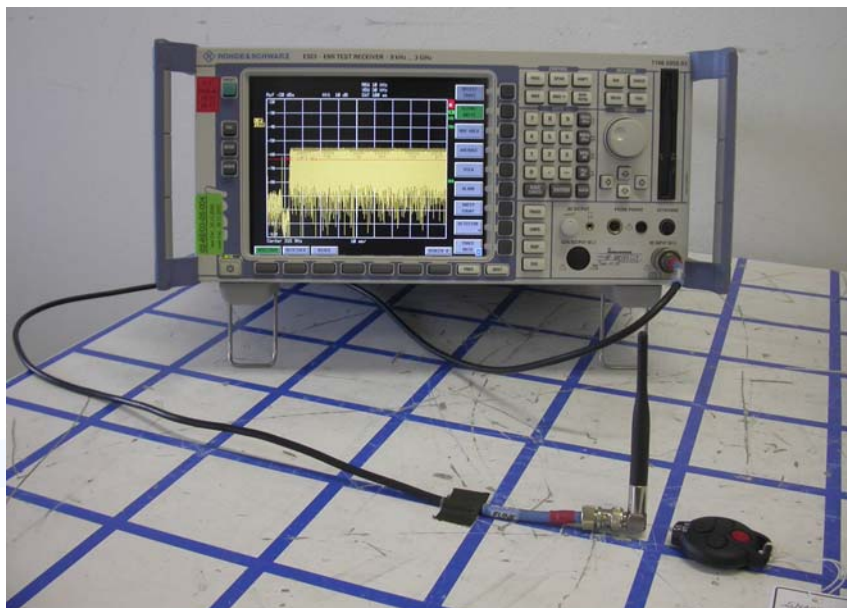
## 5.6 Signal deactivation

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 516.60 milliseconds each time the button is pushed which meets the requirement of ceasing transmission within 5 seconds of the button being released.

Limit according to FCC Part 15 Subpart 15.231(a):

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released and a transmitter activated automatically shall cease transmission within 5 seconds after activation.

The requirements are **FULFILLED**.

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