

## 5.2 Field strength of the fundamental wave

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

### 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



### 5.2.1 Applicable standard

According to FCC Part 15C, Section 15.209:

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

### 5.2.2 Description of Measurement

The magnetic field strength from the EUT is measured on an open area test site in the frequency range of 9 kHz to 30 MHz using a tuned receiver and a shielded loop antenna. The set up of the Equipment under test is in accordance to ANSI C63.4. The shielded loop antenna was turned to locate the maximum of the emissions. In the case where larger measuring distances are required the results are extrapolated based on the values measured on the closer distances according to Section 15.31(f)(2)(2). The final measurement is performed with an EMI Receiver set to quasi peak detector except for the frequency bands 9 kHz to 90 kHz and 110 to 490 kHz where an average detector will be used according to Section 15.209(d)(2).

### 5.3 Spurious emissions radiated (magnetic field) 9 kHz – 30 MHz

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

#### 5.3.1 Description of the test location

Test location: OATS1

Test distance: 3 metres

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



#### 5.3.3 Applicable standard

According to FCC Part 15C, Section 15.209:

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

#### 5.3.4 Description of Measurement

The magnetic field strength from the EUT is measured on an open area test site in the frequency range of 9 kHz to 30 MHz using a tuned receiver and a shielded loop antenna. The set up of the Equipment under test is in accordance to ANSI C63.4. The shielded loop antenna was turned to locate the maximum of the emissions. In the case where larger measuring distances are required the results are extrapolated based on the values measured on the closer distances according to Section 15.31(f)(2)(2). The final measurement is performed with an EMI Receiver set to quasi peak detector except for the frequency bands 9 kHz to 90 kHz and 110 to 490 kHz where an average detector will be used according to Section 15.209(d)(2).

## 5.4 Emission Bandwidth

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

### 5.4.1 Description of the test location

Test location: Anechoic Chamber A1

Test distance: 3 metres

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



### 5.4.3 Test result of the door antenna

Center frequency (kHz)	20dB Bandwidth f1 (kHz)	20dB Bandwidth f2 (kHz)	Measured Bandwidth (kHz)	LIMIT Fundamental
19	14.5	21.5	7.0	-

### 5.4.4 Test result of the trunk antenna

Center frequency (kHz)	20dB Bandwidth f1 (kHz)	20dB Bandwidth f2 (kHz)	Measured Bandwidth (kHz)	LIMIT Fundamental
19	14.6	21.4	6.8	-

**Remarks:** There is no limit according to FCC Part 15C Subpart 15.209.

For detailed results, please see the test protocol below.