

## **BAND EDGE COMPLIANCE (Base)**

**Standard:** FCC part 15.247

**Test procedure:** Public Notice DA 00-705, Delta Marker method.

### **Test equipment used:**

<b>TYPE</b>	<b>MANUFACTURER</b>	<b>EMITECH NUMBER</b>
Spectrum analyzer FSP 40	Rohde & Schwarz	4088
Antenna RGA-60	Electrometrics	1204
Variac R2123	Dereix	1419

### **Measured condition:**

Requirements: Emissions that fall in the restricted bands (part 15.205). These emissions must be less than or equal to 500  $\mu\text{V/m}$  (54  $\text{dB}\mu\text{V/m}$ ). Part 15.35b applies in the restricted bands.

Test procedure: An in band field strength measurement of the fundamental Emission using the RBw and detector function required by C63.4-2003 and FCC Rules.

### **Test operating condition of the equipment:**

The equipment is locked in frequency hopping mode

### **Results:**

Lower Band Edge: from 2310 MHz to 2390 MHz (see curve n°1)

Upper Band Edge: from 2483.5 MHz to 2500 MHz (see curve n°2)

#### Sample n° 1:

Fundamental Frequency (MHz)	Field Strength Level of fundamental ( $\text{dB}\mu\text{V/m}$ )	Peak Or Average	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB)*	Calculated Max Out of Band Emission Level ( $\text{dB}\mu\text{V/m}$ **)	Limit ( $\text{dB}\mu\text{V/m}$ )	Margin (dB)
2402	106.43	Peak	2399	-53.8	52.63 <sup>(1)</sup>	74	21.37
2480	107.67	Peak	2488.1	-59.39	48.28 <sup>(1)</sup>	74	25.72

\* According to step 2 of Marker-Delta Method DA 00-705

\*\* According to step 3 of Marker-Delta Method:

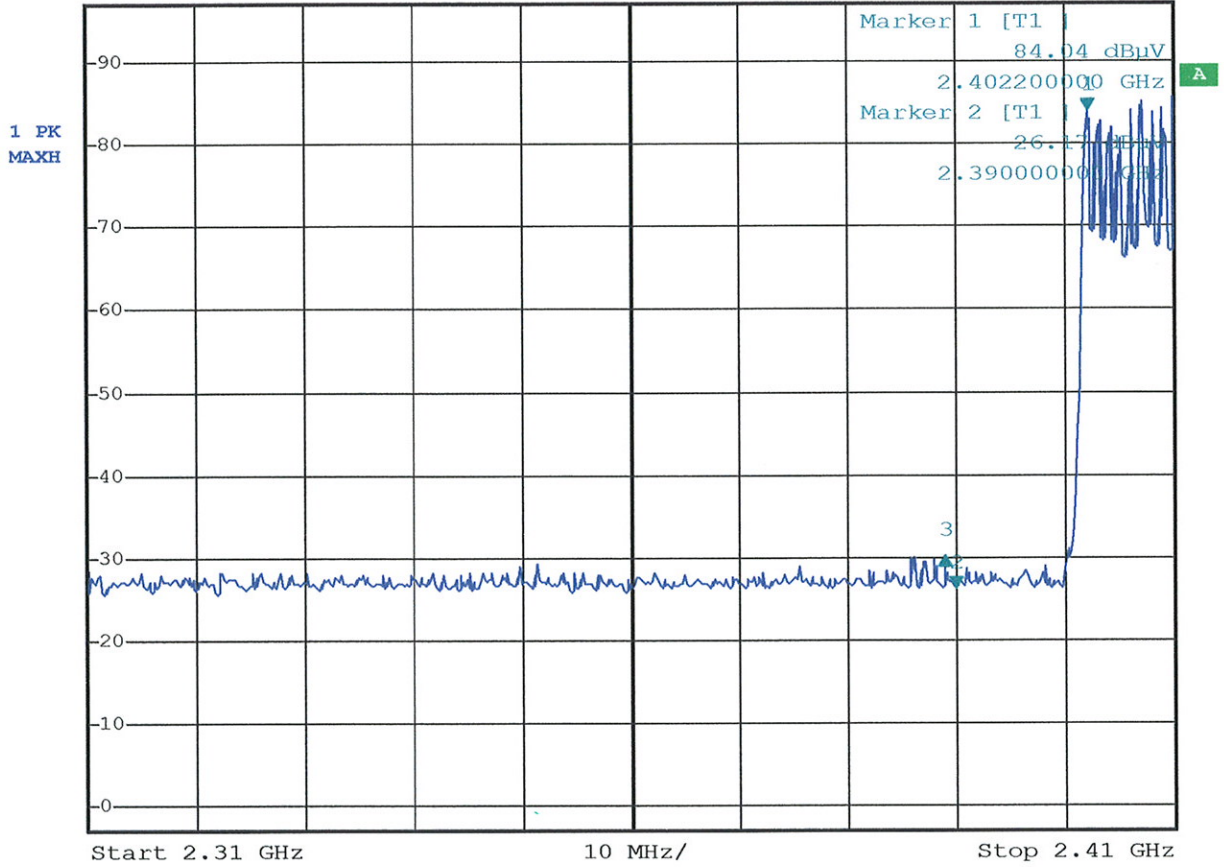
Calculated Emission Level = Field Strength Level – Delta Marker Level

(1) the level is lower than the average limit (54  $\text{dB}\mu\text{V/m}$ )

### **Test conclusion:**

**RESPECTED PUBLIC NOTICE**

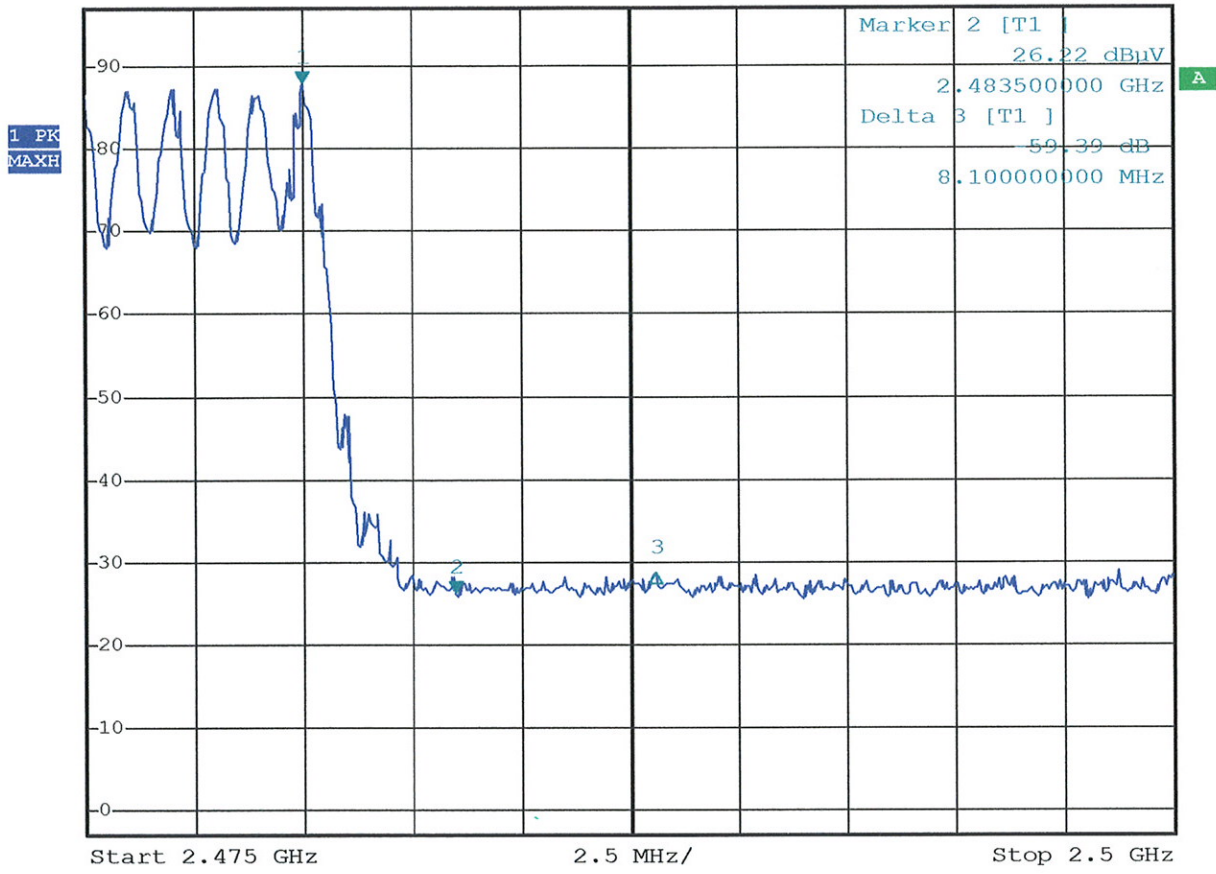
Ref 97 dB $\mu$ V      \*Att 0 dB      \*RBW 100 kHz      Delta 3 [T1 ]  
VBW 300 kHz      -53.80 dB  
SWT 10 ms      -13.20000000 MHz



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Base.  
Curve no 1

Ref 97 dB $\mu$ V      \*Att 0 dB      \*RBW 100 kHz      Marker 1 [T1 ]  
VBW 300 kHz      87.93 dB $\mu$ V  
SWT 2.5 ms      2.480000000 GHz



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Base  
Curve n° 2.