

## **BAND EDGE COMPLIANCE**

**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
Power source E3610A	Hewlett Packard	4195
Antenna RGA60	Electrometrics	1938

### **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

Upper Band Edge: From 2483.5 MHz to 2500 MHz

### **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)
2480	85.14	Peak	2483.6	45.11	40.03	74	33.97
2402	86.41	Peak	2390	41.41	45	74	29

\* 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

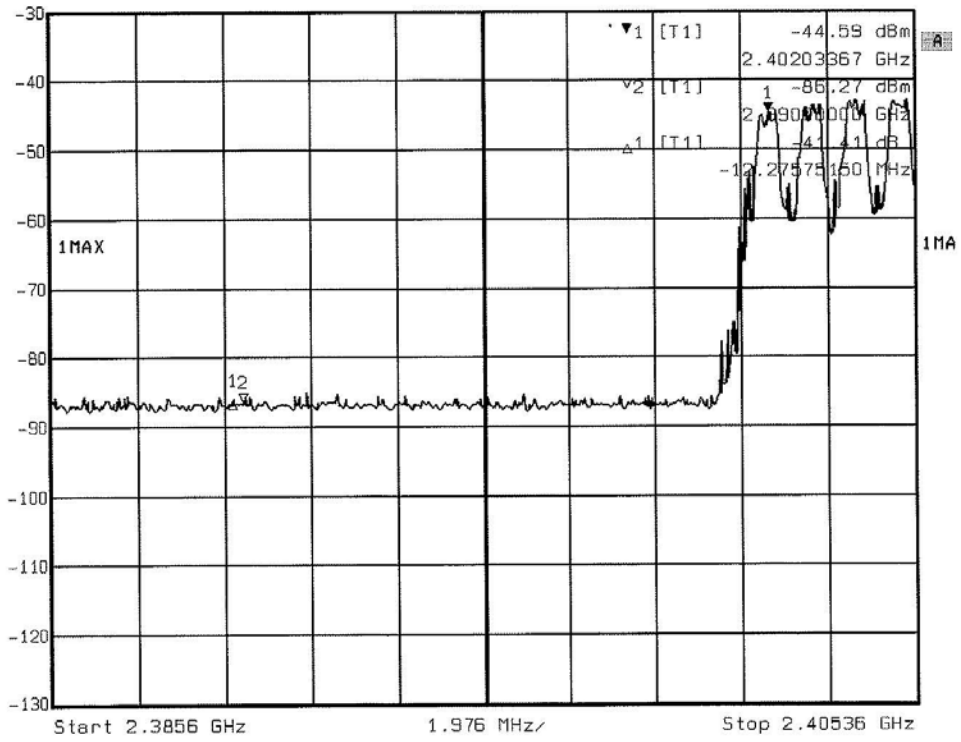
Curve 1: Lower Band Edge

Curve 2: Upper Band Edge

**Test conclusion:** Respected public notice



Ref Lvl -30 dBm  
Marker 1 [T1] 2.40203367 GHz -44.59 dBm  
RBW 100 kHz RF Att 0 dB  
VBW 300 kHz  
SWT 5 ms Unit dBm



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Curve 1  
CK3400LS  
RA 0624014  
Bandedge Compliance



Ref Lvl  
-30 dBm

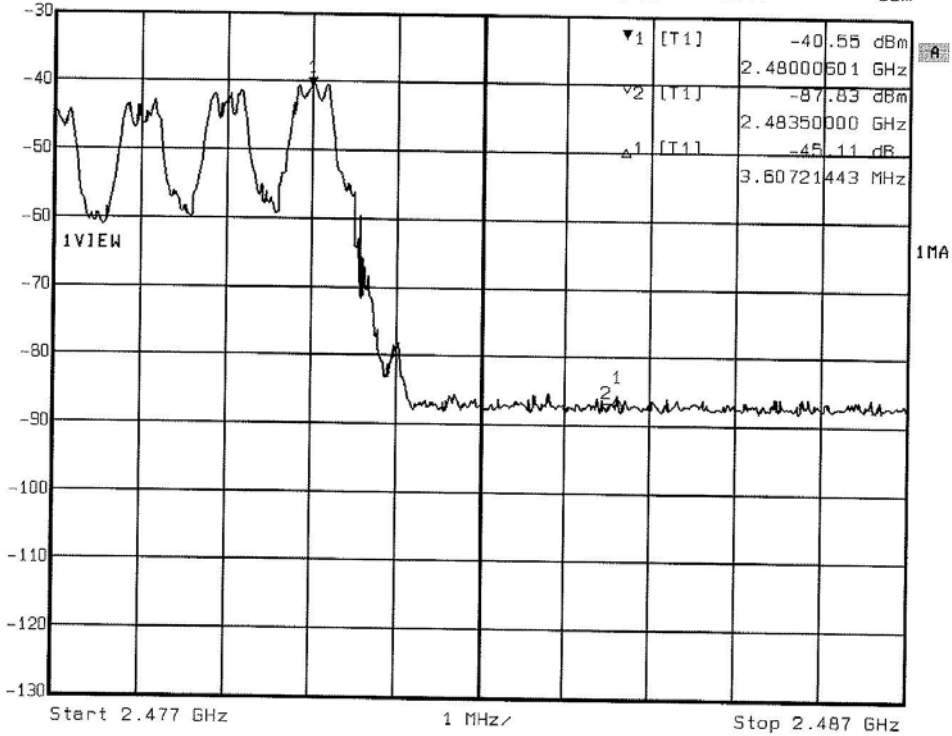
Marker 1 [T1]

-40.55 dBm  
2.48000601 GHz

RBW 100 kHz  
VBW 300 kHz  
SWT 5 ms

RF Att 0 dB

Unit dBm



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*Curve 2*  
*CR3400LS*  
*RA0624014*  
*Bandedge Compliance*