

Electronic voting system HM Campus (transmitter)

BAND EDGE COMPLIANCE

Standard: FCC part 15.247

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

Test equipment used:

TYPE	MANUFACTURER	EMITECH NUMBER
Spectrum analyzer FSEA	Rohde & Schwarz	5071
Antenna RGA-60	Electrometrics	1204

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:

Upper Band Edge:

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)
2401	94.3	Peak	2388.17	-49.49	44.81 (1)	73.98	29.17
2482	94.23	Peak	2483.56	-36.61	57.62	73.98	16.36
2482	91.36	Average	2483.61	-49.42	41.94	53.98	12.04

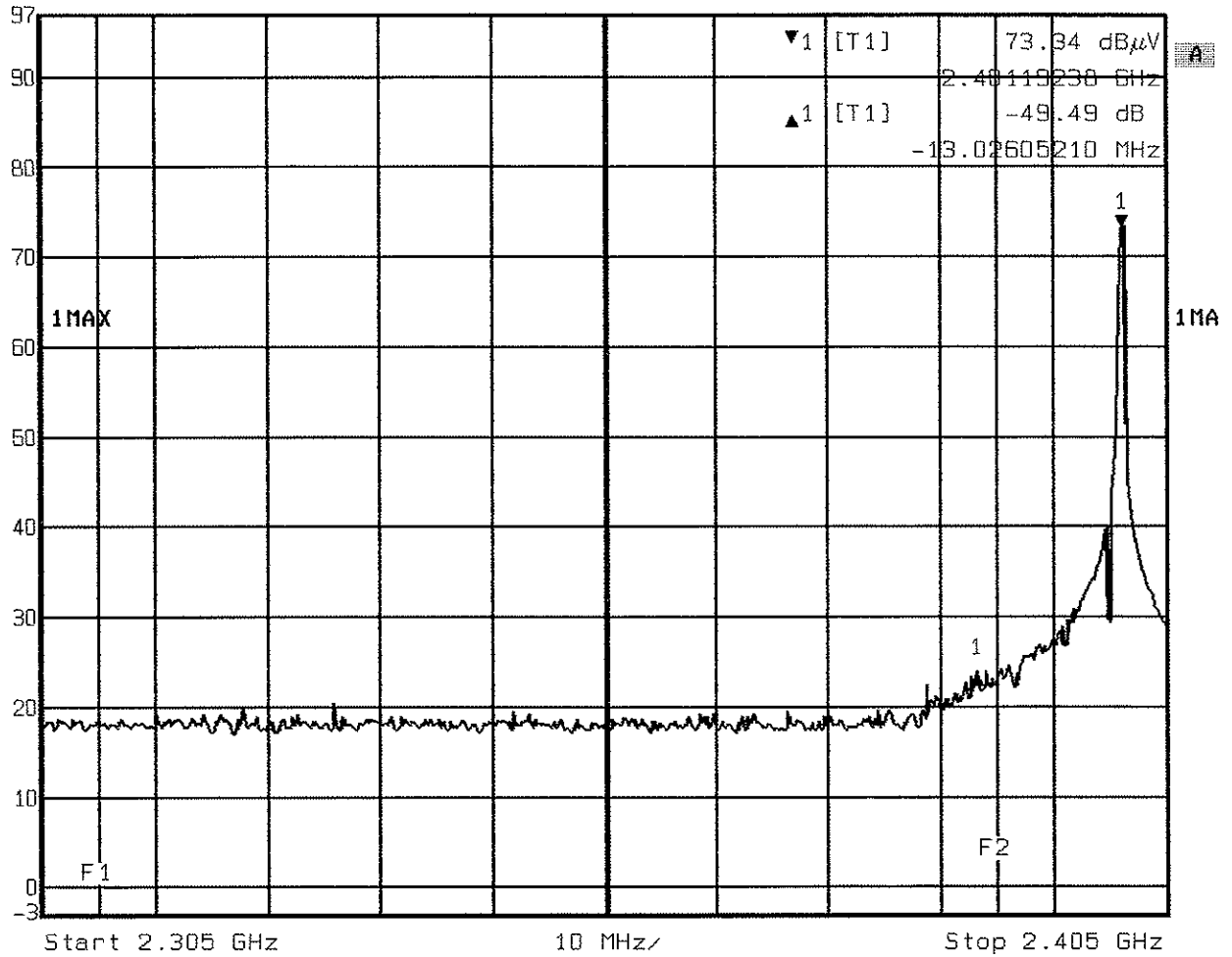
* According to step 2 of Marker-Delta Method DA 00-705

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

Calculated Emission Level = Field Strength Level – Delta Marker Level

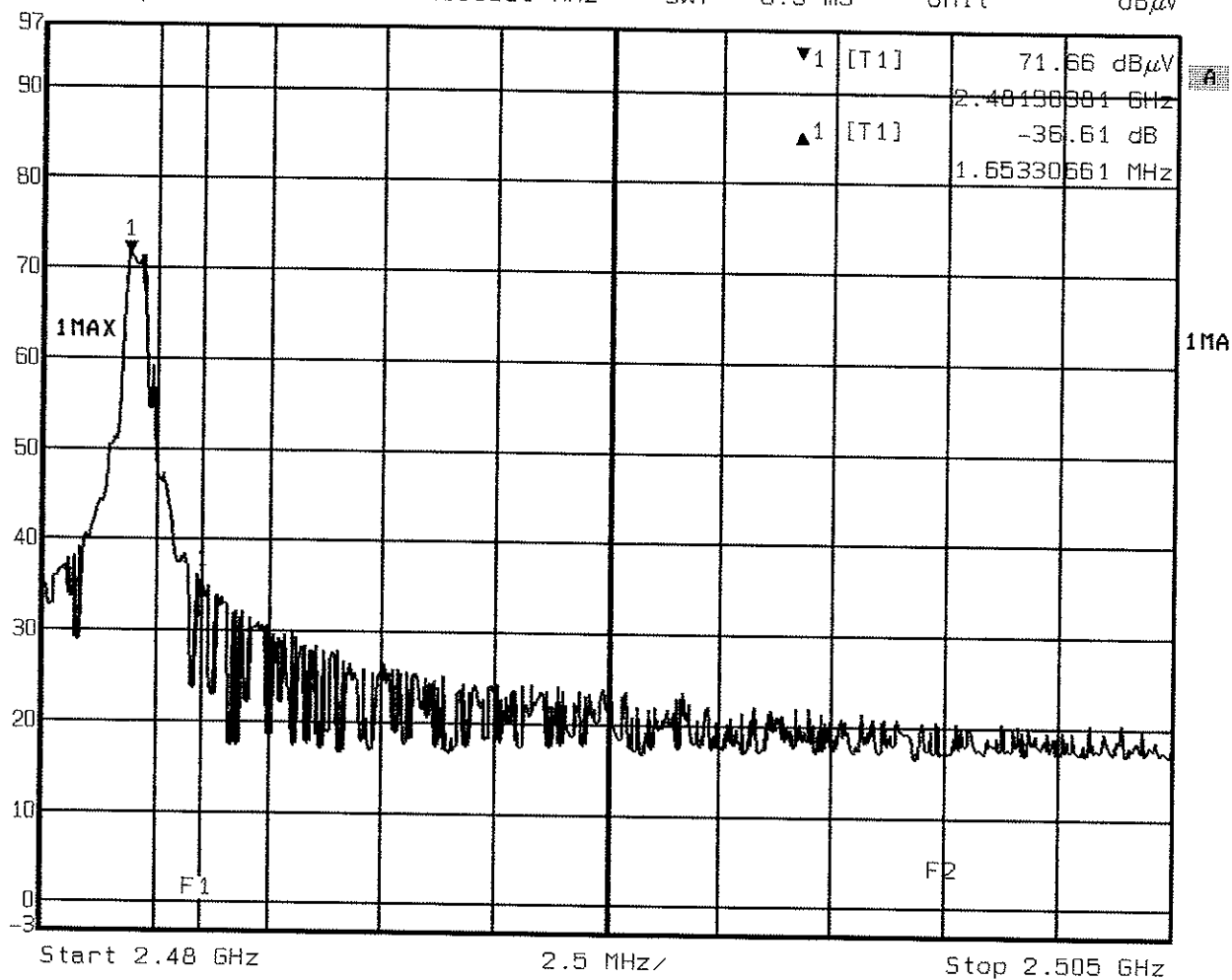
(1) The peak level is below the average limit

	Delta 1 [T1]	RBW	100 kHz	RF Att	0 dB
Ref Lvl	-49.49 dB	VBW	300 kHz		
97 dB μ V	-13.02605210 MHz	SWT	25 ms	Unit	dB μ V



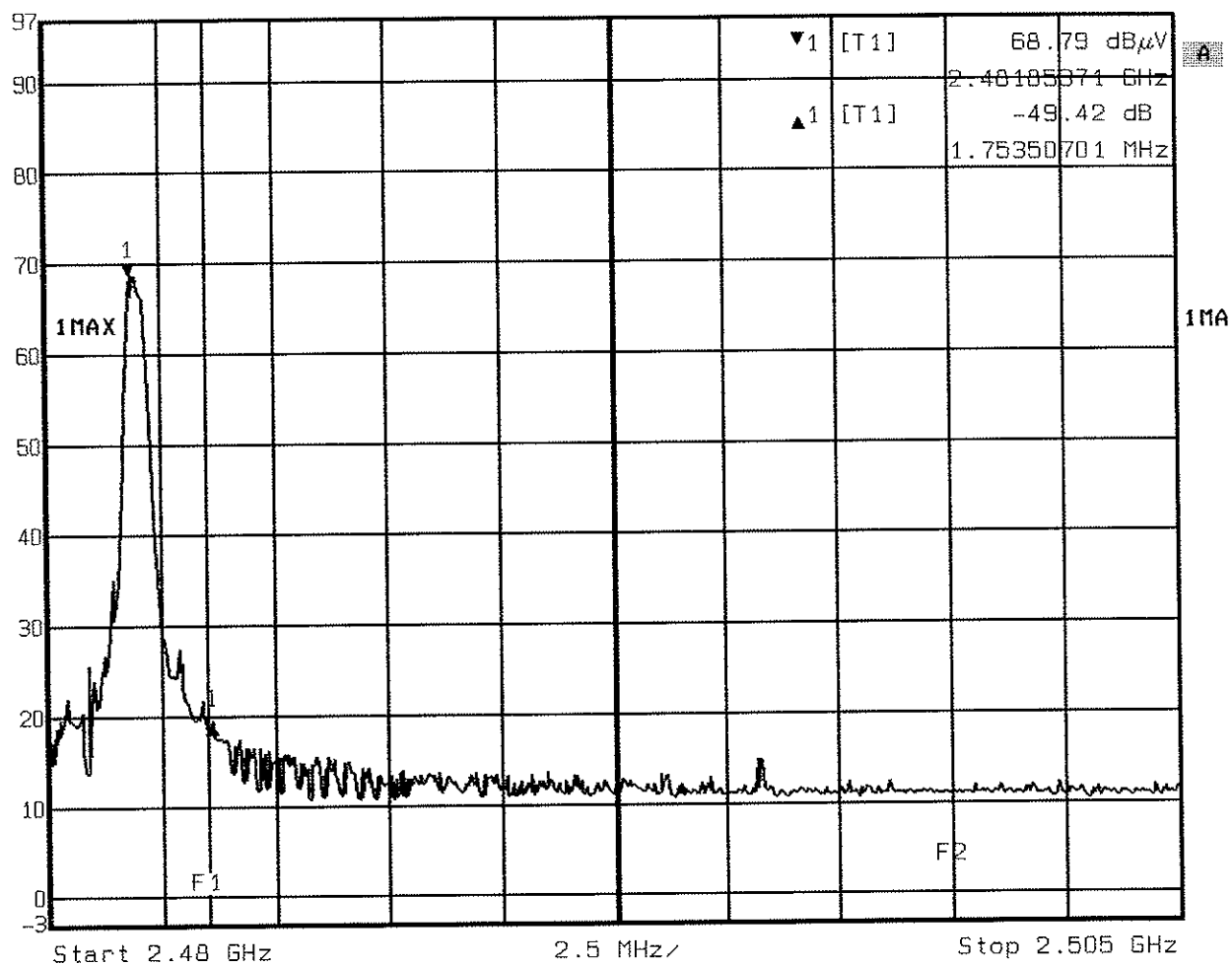
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	Delta 1 [T1]	RBW	100 kHz	RF Att	0 dB
Ref Lvl	-36.61 dB	VBW	300 kHz		
97 dB μ V	1.65330661 MHz	SWT	6.5 ms	Unit	dB μ V



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	Delta 1 [T1]	RBW	100 kHz	RF Att	0 dB
Ref Lvl	-49.42 dB	VBW	10 Hz		
97 dB μ V	1.75350701 MHz	SWT	64 s	Unit	dB μ V



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