

FCC PART 15.249

MEASUREMENT AND TEST REPORT

FOR

Shenzhen C&D Electronics Co., Ltd

**Building 2, XiaYouSong Mountaintop Industrial Di YouSong Village, Longhua
Town, Bao'an District, ShenZhen, Guangdong, China**

FCC ID: S4X-RF061A

Report Concerns: Original Report	Equipment Type: DTA 171HD
Model:	<u>RF061A</u>
Report No.:	<u>STR12038014I</u>
Test Date:	<u>2012-03-02 to 2012-03-08</u>
Issue Date:	<u>2012-03-12</u>
Tested By:	<u>Vigoss Xiong / Engineer</u> <i>Vigoss Xiong</i>
Reviewed By:	<u>Lahm Peng / EMC Manager</u> <i>Lahm peng</i>
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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by SEM.Test Compliance Service Co., Ltd.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen C&D Electronics., Ltd
 Address of applicant: Building 2, XiaYouSong Mountaintop Industrial District, Di YouSong Village, Longhua Town, Bao'an District, ShenZhen, Guangdong, China

Manufacturer: Shenzhen C&D Electronics., Ltd
 Address of manufacturer: Building 2, XiaYouSong Mountaintop Industrial District, Di YouSong Village, Longhua Town, Bao'an District, ShenZhen, Guangdong, China

General Description of E.U.T

Items	Description
EUT Description:	DTA 171HD
Trade Name:	CISCO
Model No.:	RF061A
Rated Voltage:	DC 3V
Rated Current:	30mA
Frequency Range:	2425-2475MHz
No. of Channel:	3
Antenna Type:	Integral Antenna (Antenna 1 or Antenna 2)
For more information refer to the circuit diagram form and the user's manual.	

The test data is gathered from a production sample, provided by the manufacturer.

1.2 Test Standards

The following report is prepared on behalf of the Shenzhen C&D Electronics Co., Ltd in accordance with FCC Part 15, Subpart B, Subpart C, and section 15.107, 15.203, 15.205, 15.207, 15.209 and 15.249 of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart C, and section 15.107,15.203, 15.205, 15.207, 15.209 and 15.249 of the Federal Communication Commissions rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which results in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted according to the Operating Instructions and let the EUT keep transmitting.

1.4 Test Facility

- **FCC – Registration No.: 994117**

SEM.Test Compliance Services Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 994117.

- **Industry Canada (IC) Registration No.: 7673A**

The 3m Semi-anechoic chamber of SEM.Test Compliance Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 7673A.

- **CNAS Registration No.: L4062**

Shenzhen SEM.Test Electronics Service Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 3/F, Jinbao Commerce Building, Xin'an Fanshen Road, Bao'an District, Shenzhen, P.R.C (518101)

1.5 EUT Exercise Software

The EUT exercise program used during the testing was designed to exercise the system components. The test software is started while the whole system is on.

1.6 Accessories Equipment List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

1.7 EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

2. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.203	Antenna Requirement	Compliant
§15.207 (a)	Conducted Emission	N/A
§15.205	Restricted Band of Operation	Compliant
§15.209	Radiated Emission	Compliant
§15.249(a)	Field Strength	Compliant
§15.249(d)	Out of Band Emission	Compliant

3. §15.203 - ANTENNA REQUIREMENT

3.1 Standard Applicable

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has an integral antenna, fulfill the requirement of this section.

4. §15.205, §15.209, §15.249 (a)- RADIATED EMISSION

4.1 Measurement Uncertainty

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is ± 5.10 dB.

4.2 Standard Applicable

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of fundamental (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

4.3 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2011-12-20	2012-12-19
EMI Test Receiver	R&S	ESVB	825471/005	2011-12-20	2012-12-19
Pre-amplifier	Agilent	8447F	3113A06717	2011-12-20	2012-12-19
Pre-amplifier	Compliance Direction	PAP-0118	24002	2011-12-20	2012-12-19
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2012-01-09	2013-01-08
Horn Antenna	ETS	3117	00086197	2012-01-09	2013-01-08
Loop Antenna	SCHWARZECK	HFRA 5165	9365	2011-01-09	2012-01-08

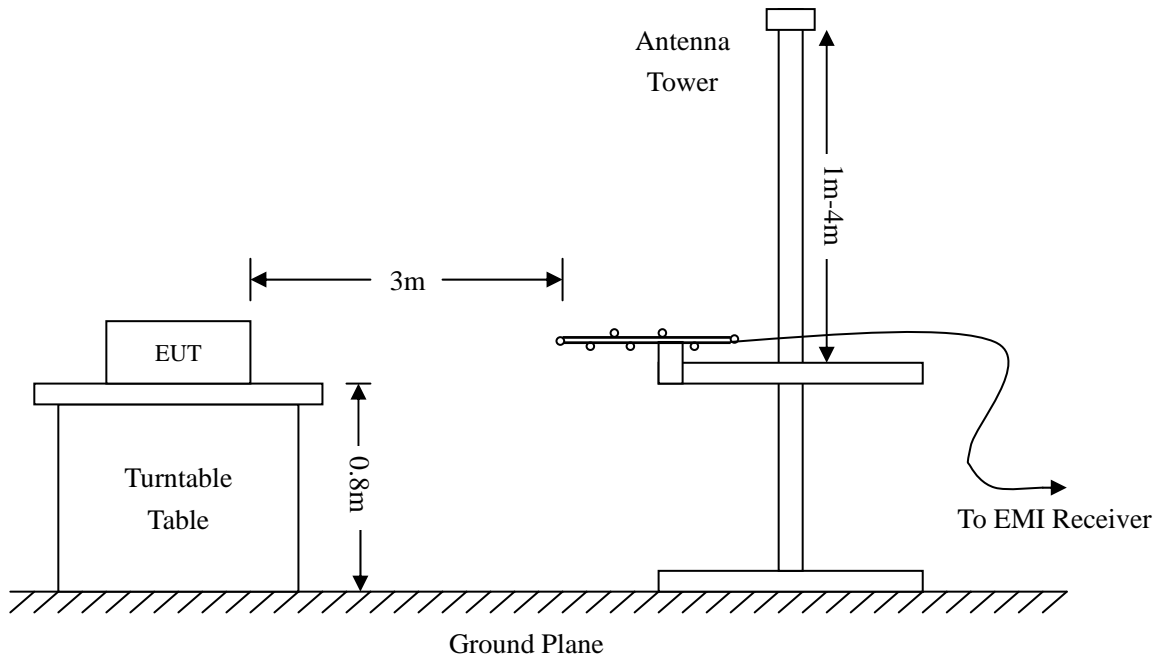
Statement of Traceability: All calibrations have been performed per the NVLAP requirements traceable to the NIST.

4.4 Test Procedure

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.205 15.249(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.



4.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

4.6 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	60 %
ATM Pressure:	1012 mbar

4.7 Summary of Test Results/Plots

According to the data below, the FCC Part 15.205, 15.209 and 15.249 standards, and had the worst margin of:

-5.66 dB μ V at 887.6099 MHz in the Horizontal polarization, Middle Channel of Antenna 1, 30 MHz to 25 GHz, 3Meters

Plot of Radiation Emissions Test

Radiated Disturbance

EUT: DTA 171HD

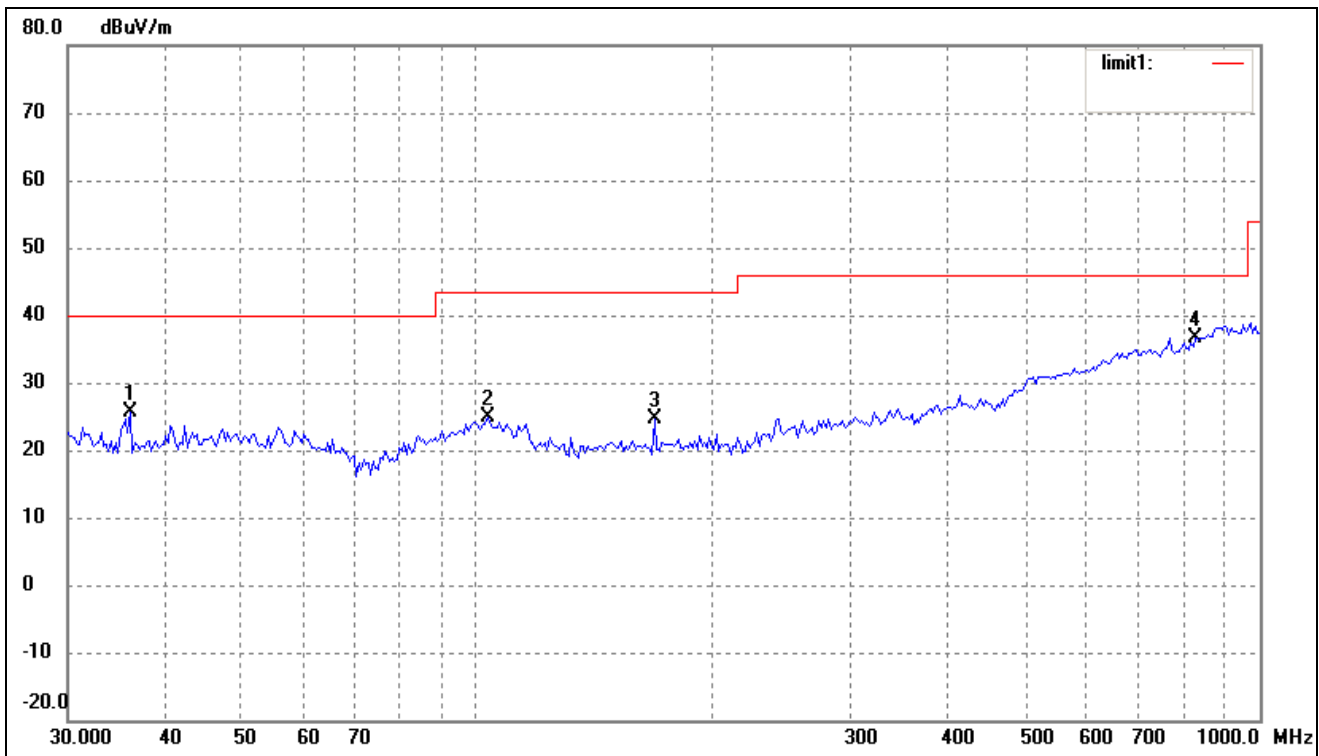
M/N: RF061A

Operating Condition: Transmitting under the Antenna 1

Test Specification: Horizontal & Vertical

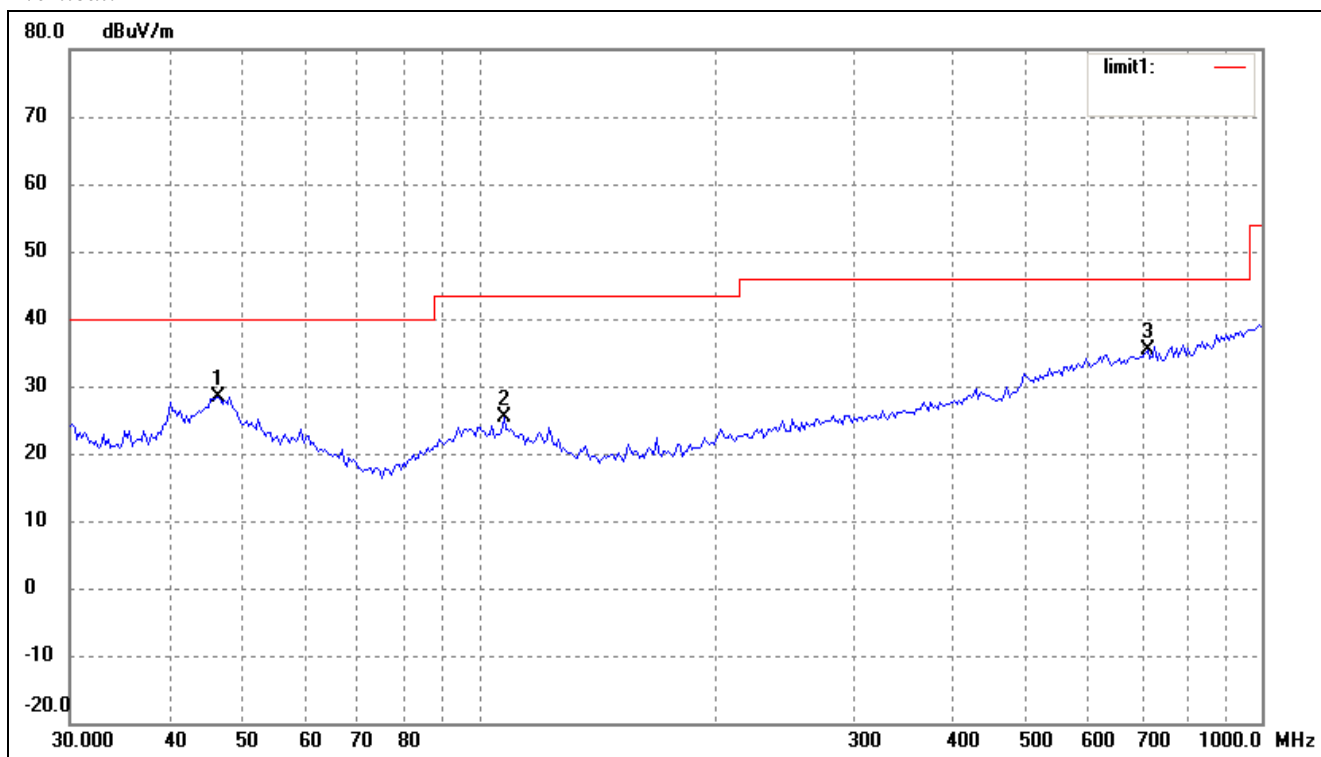
Low Channel -2425MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.0007	18.60	7.05	25.65	40.00	-14.35	145	100	peak
2	103.0800	16.65	8.18	24.83	43.50	-18.67	96	100	peak
3	168.4138	19.91	4.84	24.75	43.50	-18.75	359	200	peak
4	827.4934	17.13	19.53	36.66	46.00	-9.34	359	150	peak

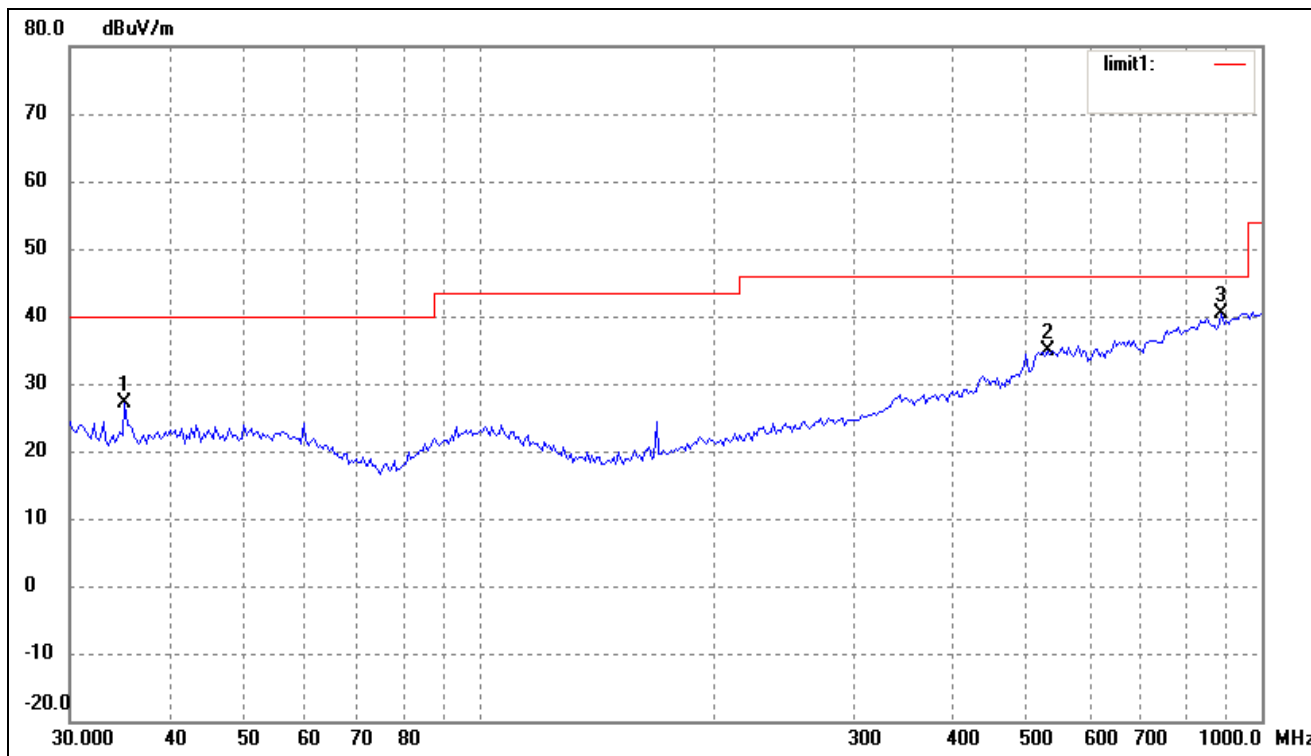
Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	46.3402	20.27	8.16	28.43	40.00	-11.57	315	100	peak
2	107.5101	17.65	7.80	25.45	43.50	-18.05	76	100	peak
3	714.1734	17.60	17.71	35.31	46.00	-10.69	359	100	peak

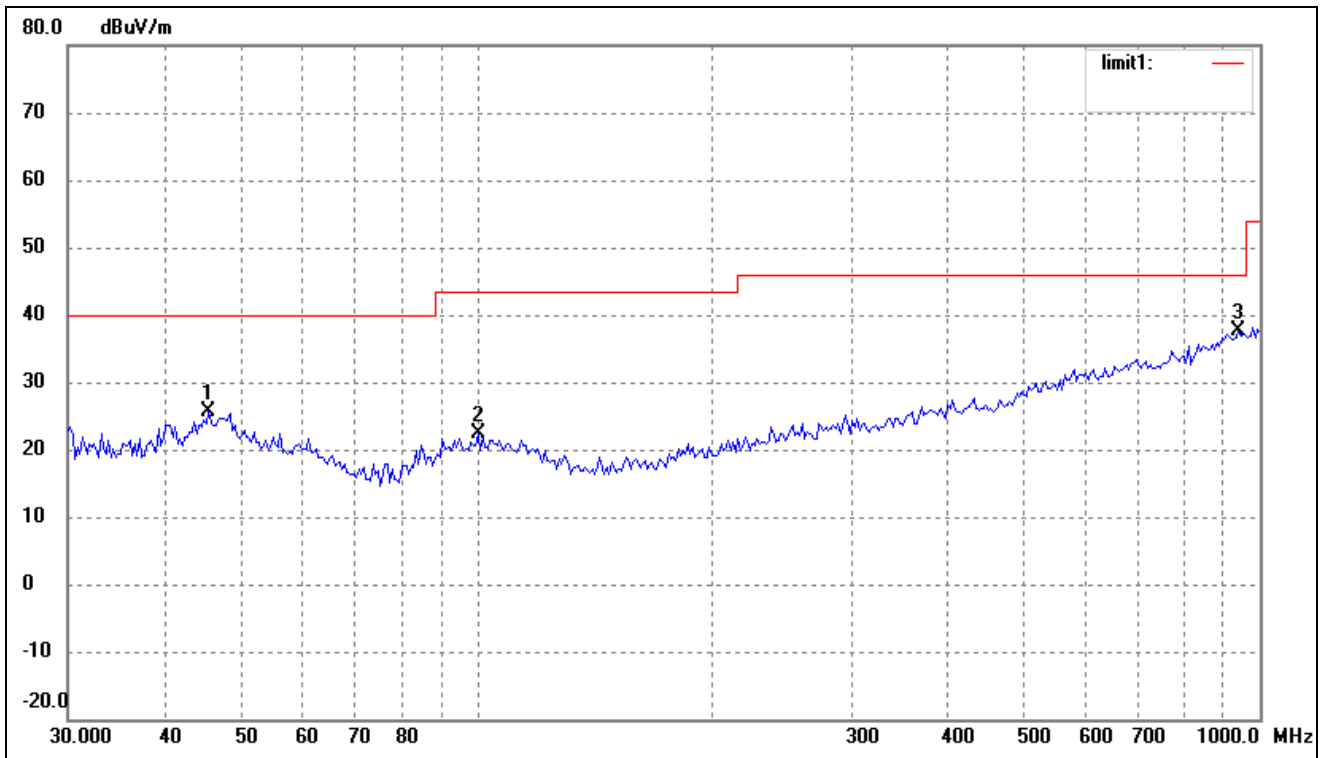
Middle Channel -2450MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.2512	20.41	6.83	27.24	40.00	-12.76	145	100	peak
2	531.9635	19.82	15.12	34.94	46.00	-11.06	96	100	peak
3	887.6099	19.67	20.67	40.34	46.00	-5.66	359	200	peak

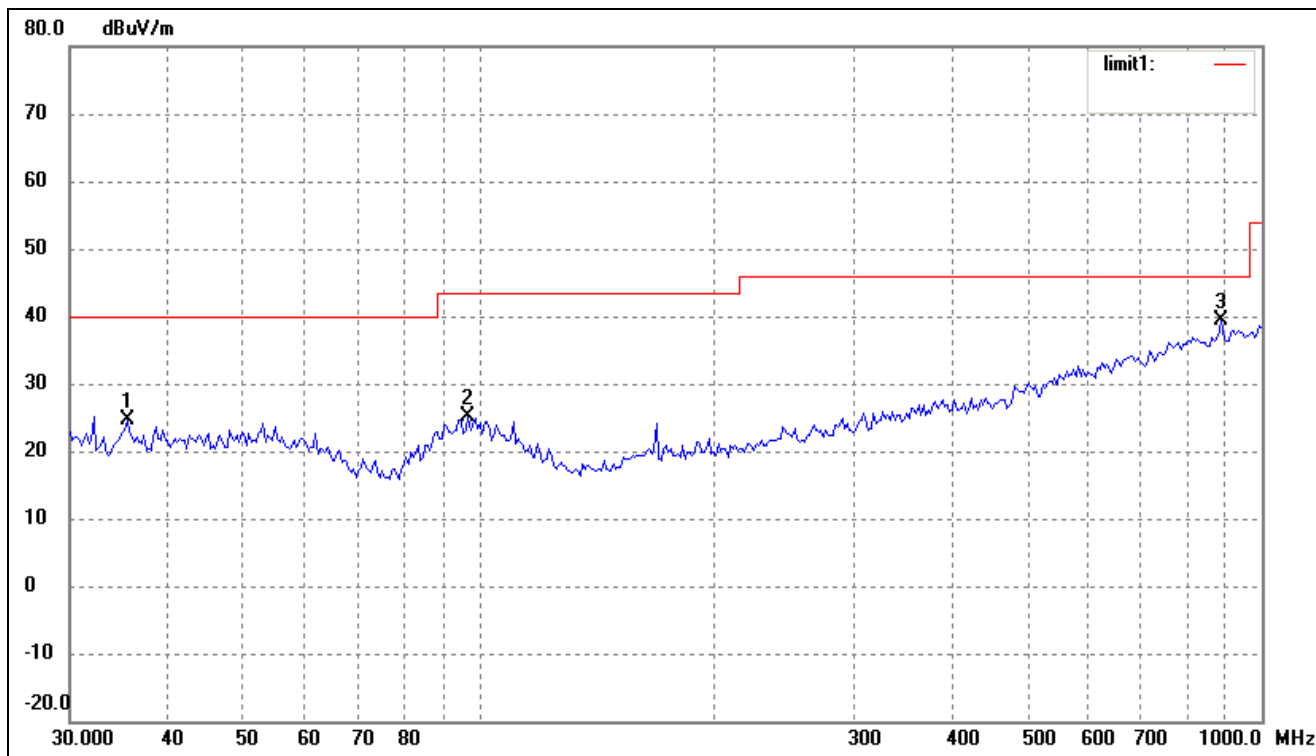
Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	45.3755	17.53	8.21	25.74	40.00	-14.26	315	100	peak
2	100.2286	14.02	8.41	22.43	43.50	-21.07	76	100	peak
3	938.8326	16.13	21.61	37.74	46.00	-8.26	359	100	peak

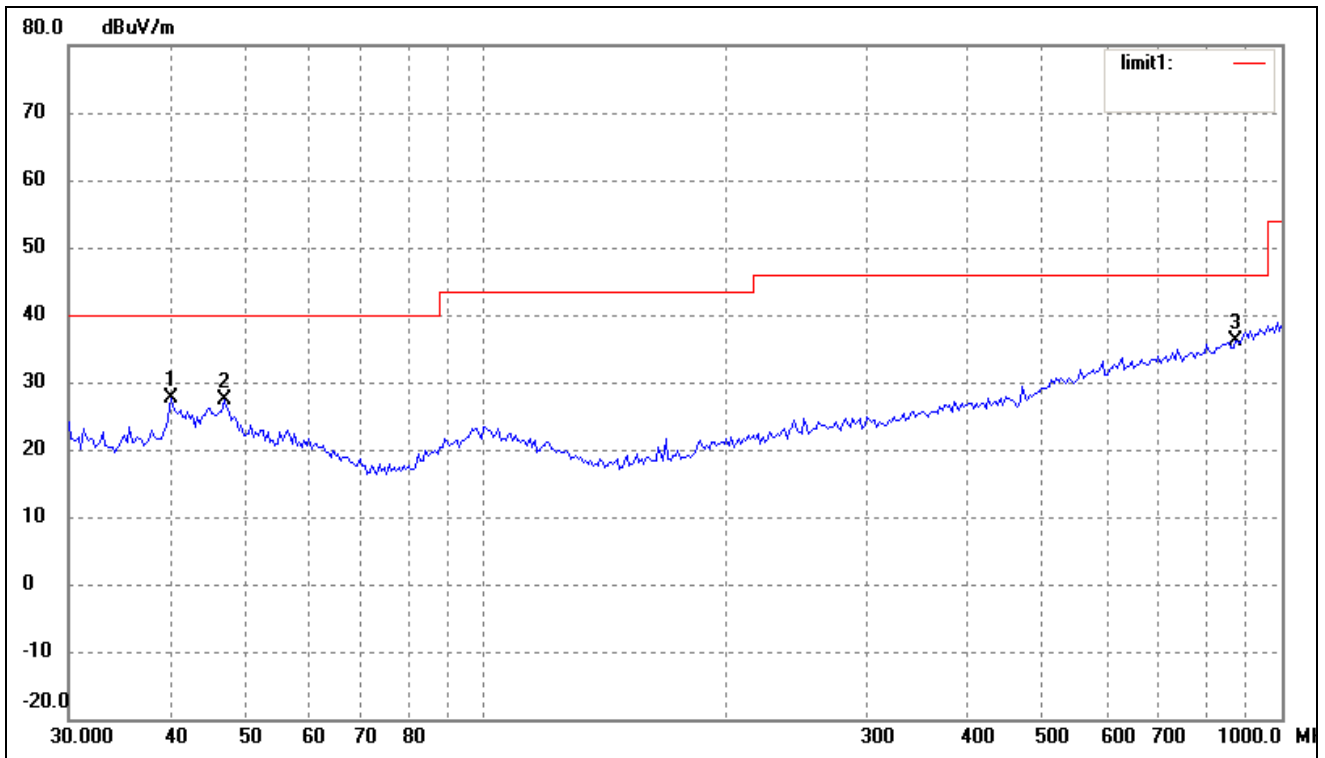
High Channel -2475MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.4993	17.62	6.90	24.52	40.00	-15.48	145	100	peak
2	96.7749	16.83	8.19	25.02	43.50	-18.48	96	100	peak
3	887.6099	18.67	20.67	39.34	46.00	-6.66	359	200	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.2757	19.57	8.15	27.72	40.00	-12.28	315	100	peak
2	46.9948	19.22	8.13	27.35	40.00	-12.65	76	100	peak
3	875.2470	15.67	20.44	36.11	46.00	-9.89	359	100	peak

Plot of Radiation Emissions Test

Radiated Disturbance

EUT: DTA 171HD

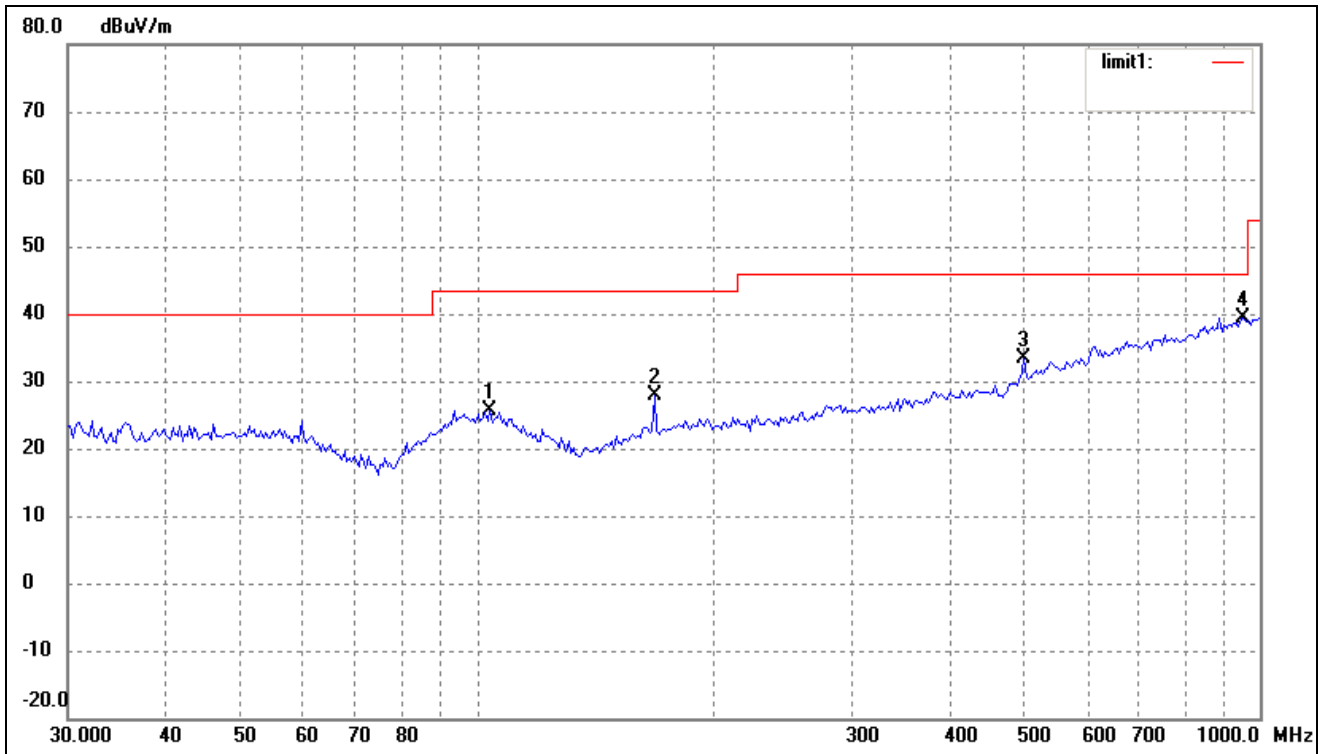
M/N: RF061A

Operating Condition: Transmitting under the Antenna 2

Test Specification: Horizontal & Vertical

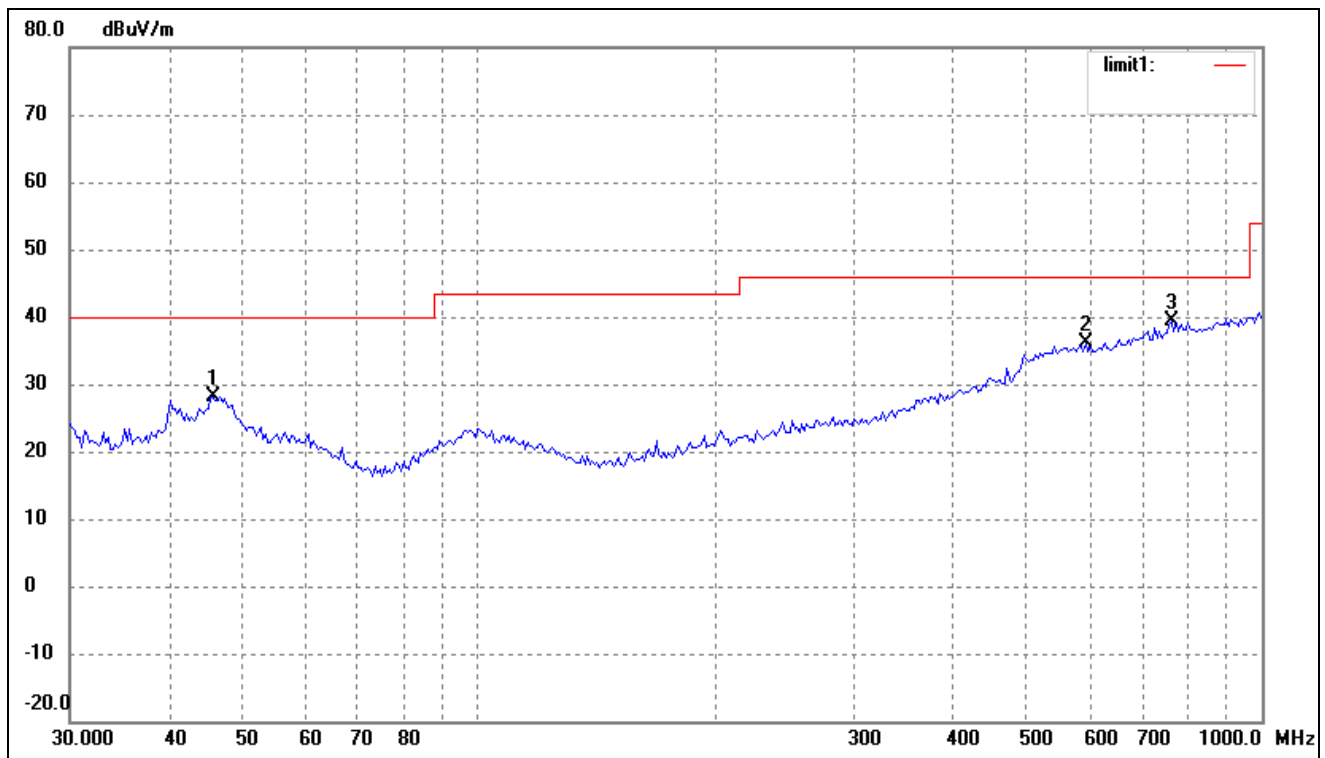
Low Channel -2425MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	103.8055	17.61	8.11	25.72	43.50	-17.78	145	100	peak
2	168.4138	23.13	4.84	27.97	43.50	-15.53	96	100	peak
3	499.4247	18.91	14.36	33.27	46.00	-12.73	359	200	peak
4	952.0937	17.61	21.86	39.47	46.00	-6.53	359	150	peak

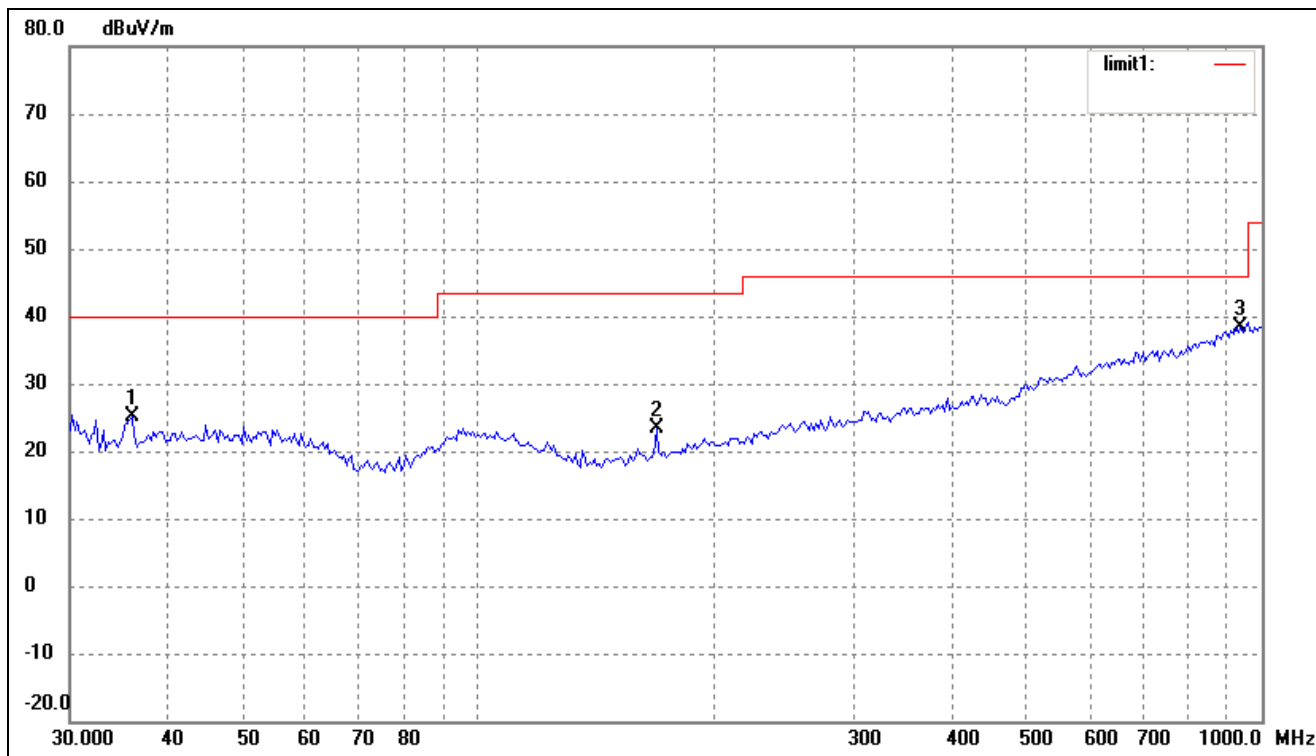
Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	45.6948	19.89	8.20	28.09	40.00	-11.91	315	100	peak
2	595.1329	19.49	16.55	36.04	46.00	-9.96	76	100	peak
3	766.0572	20.79	18.51	39.30	46.00	-6.70	359	100	peak

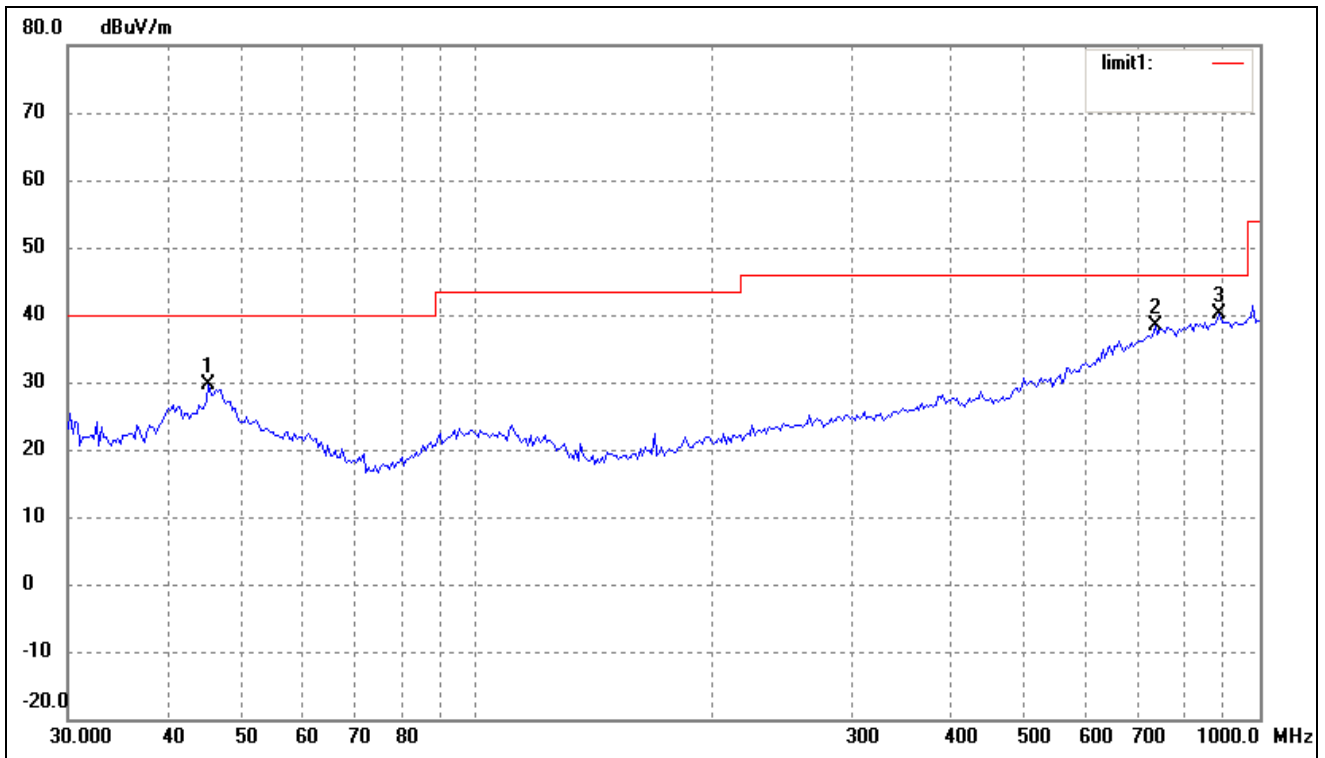
Middle Channel -2450MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.0007	18.13	7.05	25.18	40.00	-14.82	145	100	peak
2	168.4138	18.43	4.84	23.27	43.50	-20.23	96	100	peak
3	938.8326	16.88	21.61	38.49	46.00	-7.51	359	200	peak

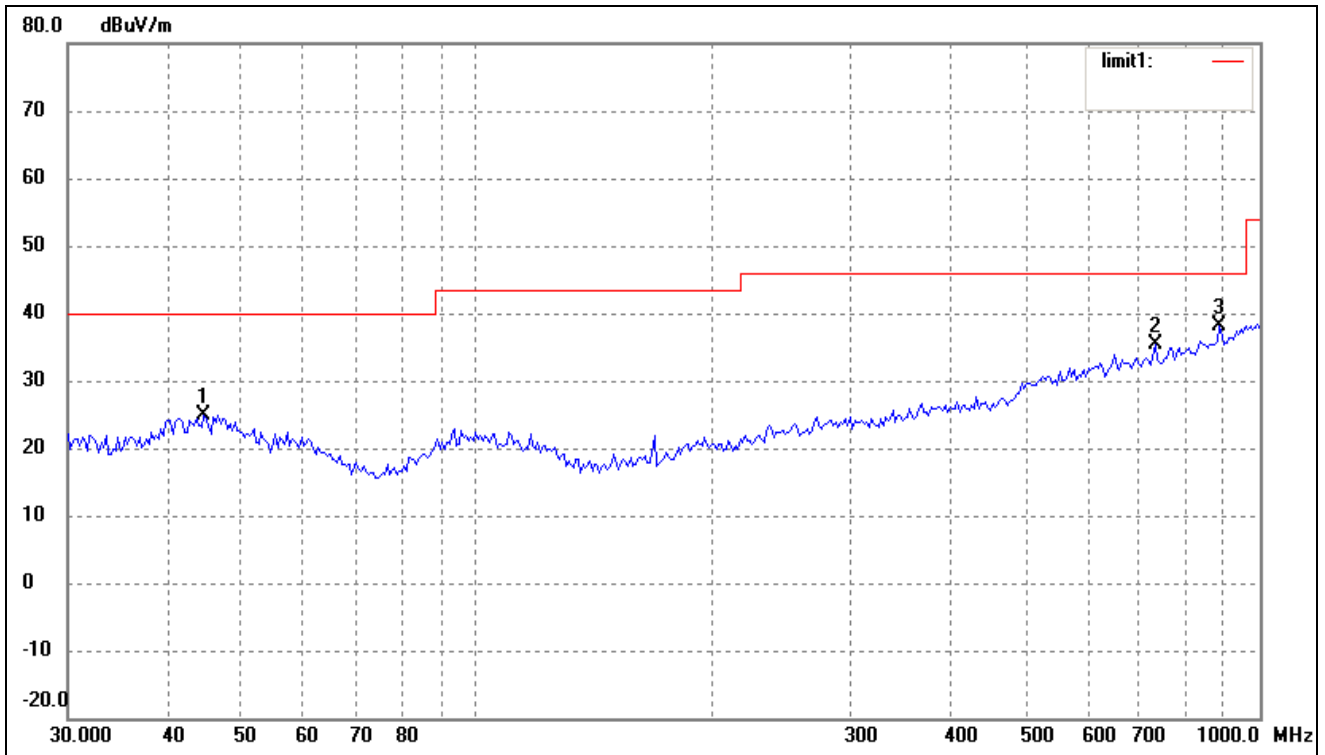
Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	45.3755	21.34	8.21	29.55	40.00	-10.45	315	100	peak
2	734.4913	20.47	18.02	38.49	46.00	-7.51	76	100	peak
3	887.6099	19.34	20.67	40.01	46.00	-5.99	359	100	peak

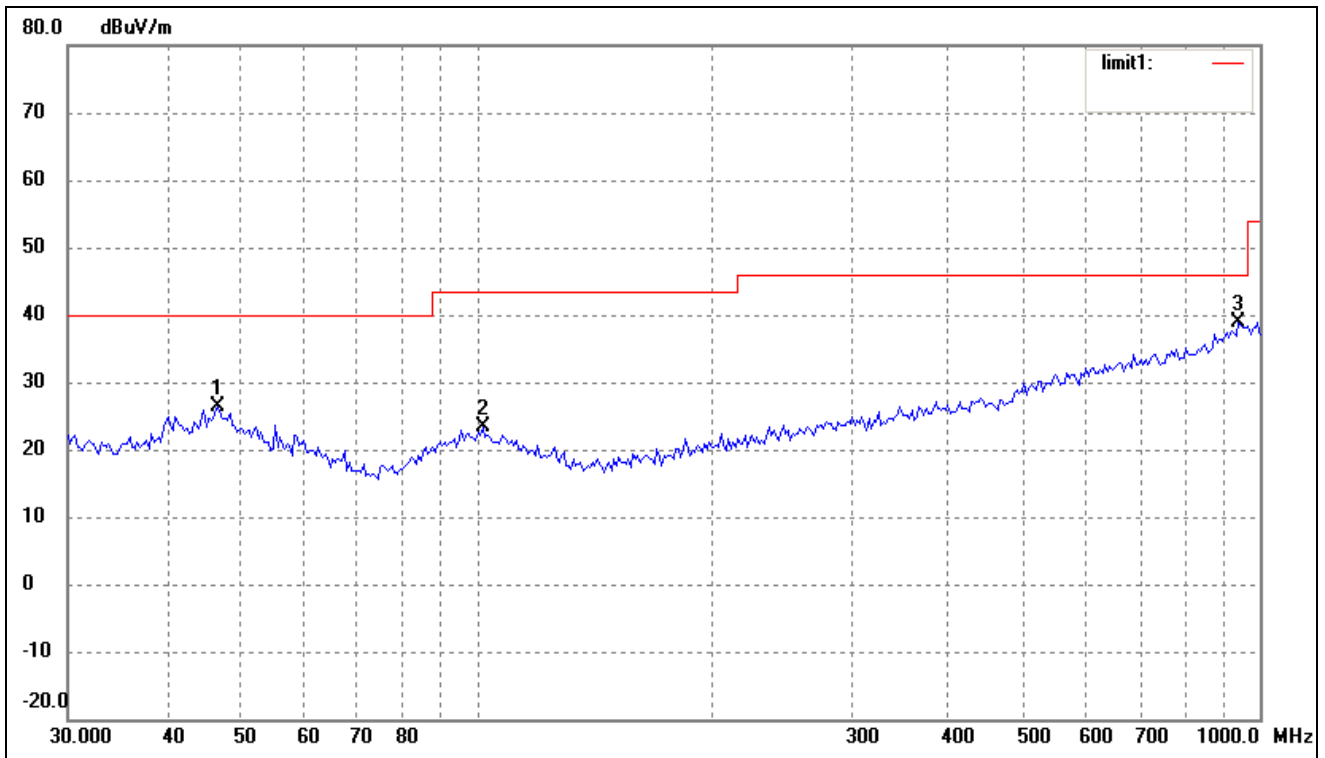
High Channel -2475MHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	44.7434	16.78	8.22	25.00	40.00	-15.00	145	100	peak
2	734.4913	17.47	18.02	35.49	46.00	-10.51	96	100	peak
3	887.6099	17.34	20.67	38.01	46.00	-7.99	359	200	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	46.6664	18.15	8.14	26.29	40.00	-13.71	315	100	peak
2	101.6443	15.01	8.29	23.30	43.50	-20.20	76	100	peak
3	938.8326	17.23	21.61	38.84	46.00	-7.16	359	100	peak

*Spurious Emission Above 1GHz**Test Mode: Antenna 2*

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel – 2425MHz										
2425	PK	84.61	360	H	29.1	3.7	34	83.41	114	-30.59
2425	PK	79.00	360	V	29.1	3.7	34	77.80	114	-36.20
2425	AV	67.77	360	H	29.1	3.7	34	66.57	94	-27.43
2425	AV	62.19	360	V	29.1	3.7	34	60.99	94	-33.01
4850	PK	41.84	360	H	34.1	5.2	33	48.14	74	-25.86
4850	PK	39.30	360	V	34.1	5.2	33	45.60	74	-28.40
4850	AV	27.29	360	H	34.1	5.2	33	33.59	54	-20.41
4850	AV	27.09	360	V	34.1	5.2	33	33.39	54	-20.61
Middle Channel – 2450MHz										
2450	PK	83.69	360	H	29.1	3.7	34	82.49	114	-31.51
2450	PK	83.18	360	V	29.1	3.7	34	81.98	114	-32.02
2450	AV	66.72	360	H	29.1	3.7	34	65.52	94	-28.48
2450	AV	66.13	360	V	29.1	3.7	34	64.93	94	-29.07
4900	PK	41.98	360	H	34.1	5.2	33	48.28	74	-25.72
4900	PK	41.49	360	V	34.1	5.2	33	47.79	74	-26.21
4900	AV	27.61	360	H	34.1	5.2	33	33.91	54	-20.09
4900	AV	27.48	360	V	34.1	5.2	33	33.78	54	-20.22
High Channel – 2475MHz										
2475	PK	85.63	360	H	29.1	3.7	34	84.43	114	-29.57
2475	PK	80.05	360	V	29.1	3.7	34	78.85	114	-35.15
2475	AV	69.03	360	H	29.1	3.7	34	67.83	94	-26.17
2475	AV	63.44	360	V	29.1	3.7	34	62.24	94	-31.76
4950	PK	41.76	360	H	34.1	5.2	33	48.06	74	-25.94
4950	PK	40.44	360	V	34.1	5.2	33	46.74	74	-27.26
4950	AV	27.29	360	H	34.1	5.2	33	33.59	54	-20.41
4950	AV	27.58	360	V	34.1	5.2	33	33.88	54	-20.12

Test Mode: Antenna 1

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel – 2425MHz										
2425	PK	77.94	360	H	29.1	3.7	34	76.74	114	-37.26
2425	PK	71.52	360	V	29.1	3.7	34	70.32	114	-43.68
2425	AV	61.16	360	H	29.1	3.7	34	59.96	94	-34.04
2425	AV	54.88	360	V	29.1	3.7	34	53.68	94	-40.32
4850	PK	37.87	360	H	34.1	5.2	33	44.17	74	-29.83
4850	PK	39.26	360	V	34.1	5.2	33	45.56	74	-28.44
4850	AV	26.29	360	H	34.1	5.2	33	32.59	54	-21.41
4850	AV	27.07	360	V	34.1	5.2	33	33.37	54	-20.63
Middle Channel – 2450MHz										
2450	PK	79.16	360	H	29.1	3.7	34	77.96	114	-36.04
2450	PK	70.97	360	V	29.1	3.7	34	69.77	114	-44.23
2450	AV	62.19	360	H	29.1	3.7	34	60.99	94	-33.01
2450	AV	54.15	360	V	29.1	3.7	34	52.95	94	-41.05
4900	PK	38.72	360	H	34.1	5.2	33	45.02	74	-28.98
4900	PK	38.41	360	V	34.1	5.2	33	44.71	74	-29.29
4900	AV	26.13	360	H	34.1	5.2	33	32.43	54	-21.57
4900	AV	26.33	360	V	34.1	5.2	33	32.63	54	-21.37
High Channel – 2475MHz										
2475	PK	80.23	360	H	29.1	3.7	34	79.03	114	-34.97
2475	PK	76.09	360	V	29.1	3.7	34	74.89	114	-39.11
2475	AV	63.67	360	H	29.1	3.7	34	62.47	94	-31.53
2475	AV	59.55	360	V	29.1	3.7	34	58.35	94	-35.65
4950	PK	39.38	360	H	34.1	5.2	33	45.68	74	-28.32
4950	PK	38.43	360	V	34.1	5.2	33	44.73	74	-29.27
4950	AV	26.43	360	H	34.1	5.2	33	32.73	54	-21.27
4950	AV	26.33	360	V	34.1	5.2	33	32.63	54	-21.37

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 5th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz..

5. §15.249(b) OUT OF BAND EMISSIONS

5.1 Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2011-12-20	2012-12-19
EMI Test Receiver	R&S	ESVB	825471/005	2011-12-20	2012-12-19
Positioning Controller	C&C	CC-C-1F	N/A	2011-12-20	2012-12-19
RF Switch	EM	EMSW18	SW060023	2011-12-20	2012-12-19
Pre-amplifier	Agilent	8447F	3113A06717	2011-12-20	2012-12-19
Pre-amplifier	Compliance Direction	PAP-0118	24002	2011-12-20	2012-12-19
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2012-01-09	2013-01-08
Horn Antenna	ETS	3117	00086197	2012-01-09	2013-01-08

Statement of Traceability: All calibrations have been performed per the NVLAP requirements traceable to the NIST.

5.3 Test Procedure

As the radiation test, set the Lowest and Highest Transmitting Channel, observed the outside band of 2400MHz to 2438.5MHz, than mark the higher-level emission for comparing with the FCC rules.

5.4 Environmental Conditions

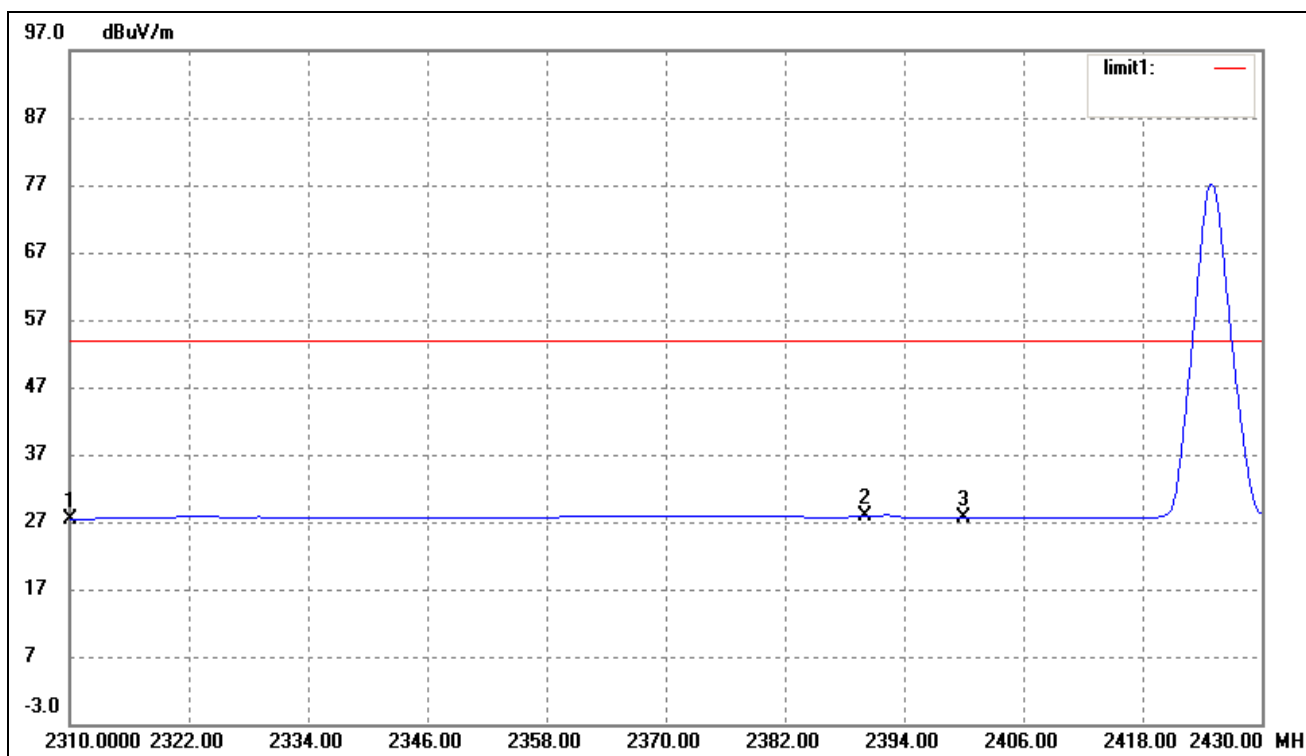
Temperature:	24 °C
Relative Humidity:	60 %
ATM Pressure:	1012 mbar

5.5 Summary of Test Results/Plots

Frequency MHz	Limit dBuV	Result
Low Edge	<54	Pass
High Edge	<54	Pass

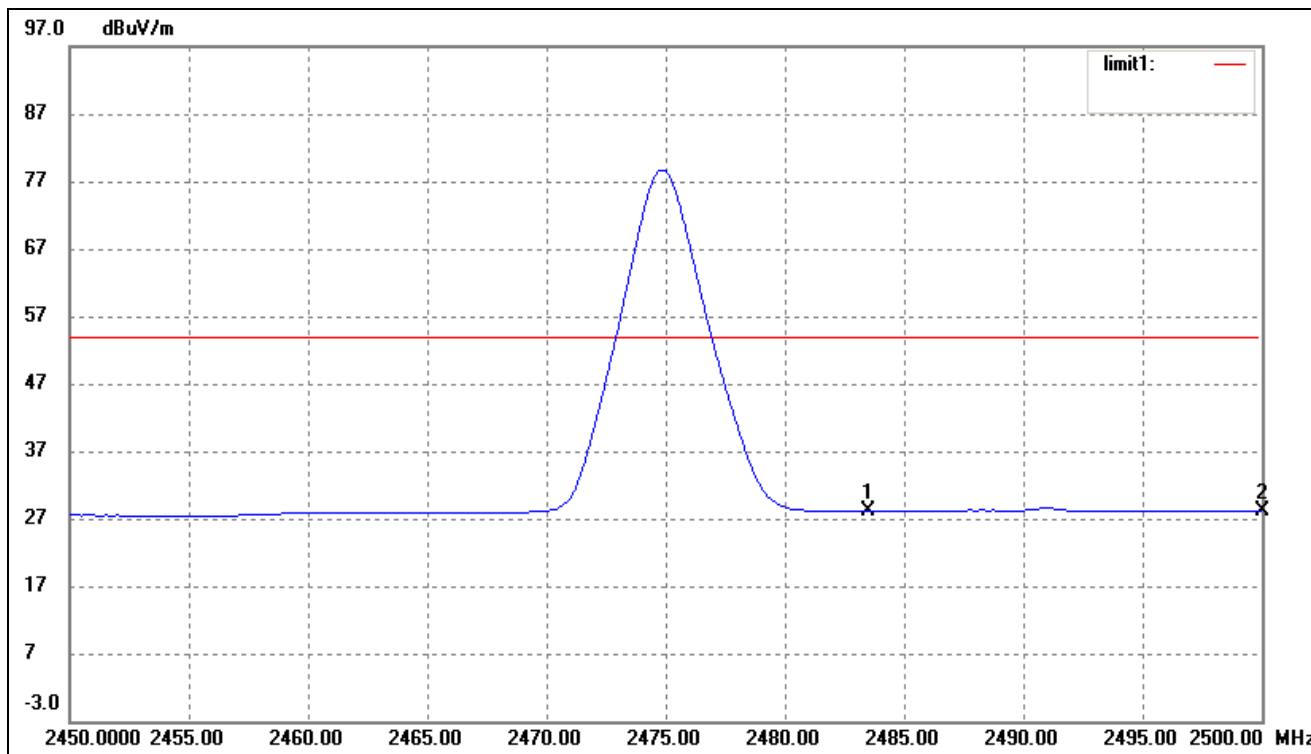
The edge emissions are below the FCC 15.209 Limits. Please refer to the test plots below.

Test Mode: Antenna 1
 Lowest Bandedge



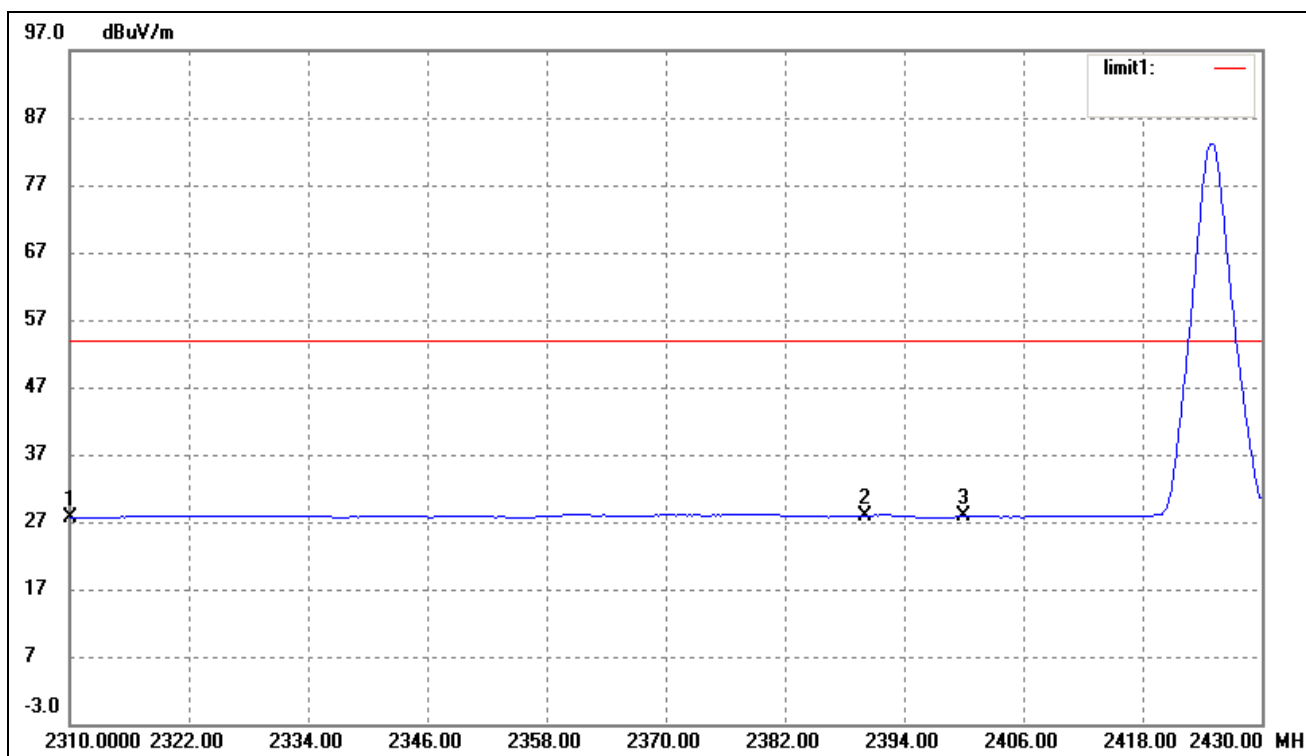
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	34.93	-7.51	27.42	54.00	-26.58	Ave Detector
	2310.000	50.97	-7.51	43.46	74.00	-30.54	Peak Detector
2	2390.000	35.17	-7.34	27.83	54.00	-26.17	Ave Detector
	2390.000	41.20	-7.34	43.86	74.00	-30.14	Peak Detector
3	2400.000	34.97	-7.31	27.66	54.00	-26.34	Ave Detector
	2400.000	49.84	-7.31	42.53	74.00	-31.47	Peak Detector

Highest Bandedge



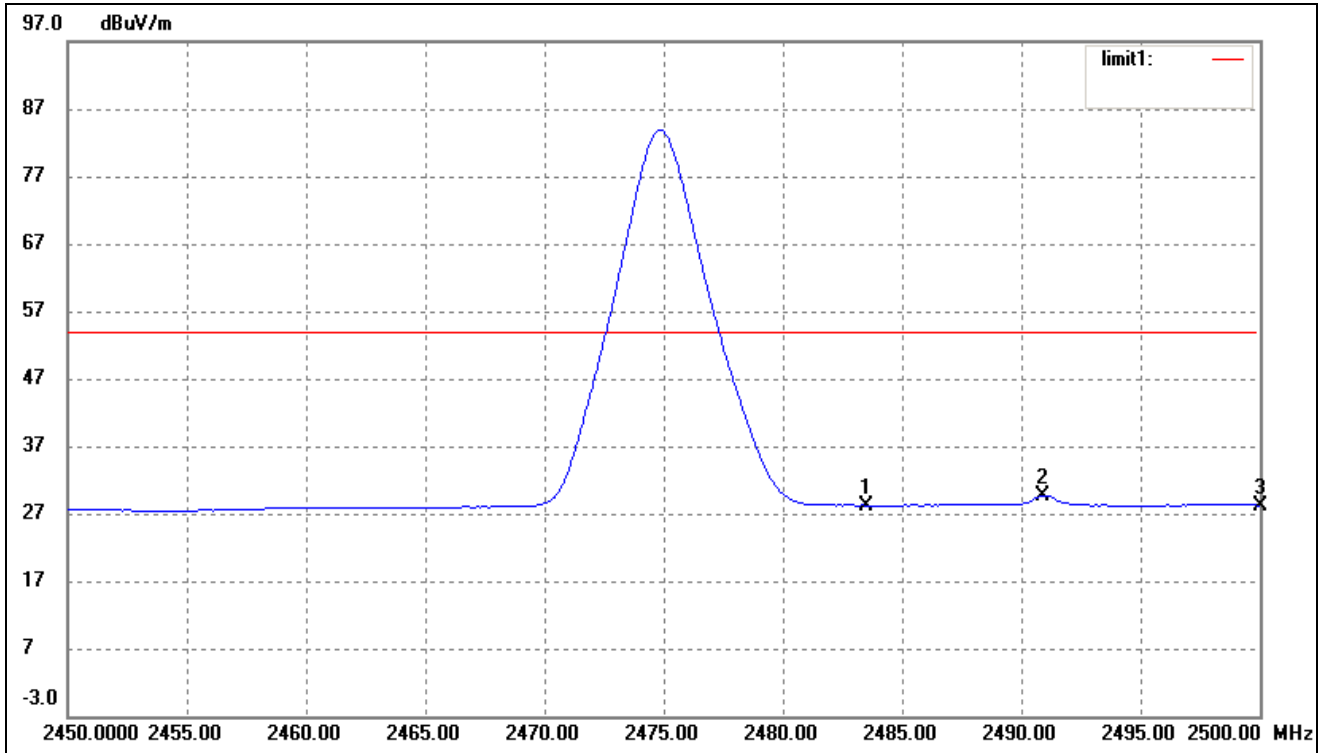
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	35.24	-7.13	28.11	54.00	-25.89	Ave Detector
	2483.500	49.54	-7.13	42.41	74.00	-31.59	Peak Detector
2	2500.000	35.18	-7.08	28.10	54.00	-25.90	Ave Detector
	2500.000	49.06	-7.08	41.98	74.00	-32.02	Peak Detector

Test Mode: Antenna 2
 Lowest Bandedge



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	35.08	-7.51	27.57	54.00	-26.43	Ave Detector
	2310.000	48.01	-7.51	40.50	74.00	-33.50	Peak Detector
2	2390.000	35.30	-7.34	27.96	54.00	-26.04	Ave Detector
	2390.000	48.42	-7.34	41.08	74.00	-32.92	Peak Detector
3	2400.000	35.11	-7.31	27.80	54.00	-26.20	Ave Detector
	2400.000	48.58	-7.31	41.27	74.00	-32.73	Peak Detector

Highest Bandedge



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	35.32	-7.13	28.19	54.00	-25.81	Ave Detector
	2483.500	47.88	-7.13	40.75	74.00	-33.25	Peak Detector
2	2490.925	36.73	-7.10	29.63	54.00	-24.37	Ave Detector
	2490.925	48.08	-7.10	40.98	74.00	-33.02	Peak Detector
3	2500.000	35.33	-7.08	28.25	54.00	-25.75	Ave Detector
	2500.000	48.56	-7.08	41.48	74.00	-32.52	Peak Detector

***** END OF REPORT *****