FCC Test Report

for

Interactive Pen

Brand Name	:	**Qisda**
Model No.	:	**LBW**
FCC ID	:	**VRSLBW**
IC	:	**8729A-LBW**
Report Number	:	**RF-Q045-1006-307**
Date of Receipt	:	**June 23, 2010**
Date of Report	:	**Aug. 4, 2010**

Prepared for

Qisda Corporation

157 Shan-Ying Road, Gueishan, Taoyuan 333, Taiwan, R.O.C.

Prepared by

Central Research Technology Co.

EMC Test Laboratory

No.11, Lane41, Fushuen St., Jungshan Chiu, Taipei, Taiwan, 104, R.O.C.

NVLAP LAB CODE 200575-0

Verification of Compliance

Brand Name	**: Qisda**
Equipment under Test	**: Interactive Pen**
Model No.	**: LBW**
FCC ID	**: VRSLBW**
IC	**: 8729A-LBW**
Manufacturer	**: Qisda Corporation**
Applicant	**: Qisda Corporation**
Address	**: 157 Shan-Ying Road, Gueishan, Taoyuan 333, Taiwan, R.O.C.**
Applicable Standards	**: 47 CFR part 15, Subpart C RSS 210 Issue 7**
Date of Testing	**: July 7~10, 2010**
Deviation	**: N/A**
Condition of Test Sample	**: Prototype**

We, **Central Research Technology Co**., hereby certify that one sample of the designated product was tested in our facility during the period mentioned above. The test records, data evaluation and Equipment Under Test (EUT) configurations shown in the present report are true and accurate representation of the measurements of the sample's RF characteristics under the conditions herein specified.

The test results show that the EUT as described in the present report is in compliance with the requirements set forth in the standards mentioned above and apply to the tested sample identified in the present report only. The test report shall not be reproduced, except in its entirety, without the written approval of Central Research Technology Co.

PREPARED BY : Cathy Chen , **DATE :** Aug 4, 2010
(Cathy Chen/ Technical Manager)

APPROVED BY : J. Y. Shih , **DATE :** Aug. 4, 2010
(Tsun-Yu Shih/General Manager)

Contents

1 General Description

1.1 General Description of EUT

Equipment under Test : Interactive Pen

Model No. : LBW

Power in : 3.7Vdc internal Battery

Test Voltage : 120Vac/50Hz to the notebook

Manufacturer : Qisda Corporation

Channel Numbers : 28

Frequency Range : 2401MHz~2481MHz

Channel :

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2401	8	2427	15	2448	22	2473
1	2402	9	2428	16	2458	23	2476
2	2403	10	2432	17	2462	24	2477
3	2407	11	2433	18	2463	25	2478
4	2408	12	2442	19	2467	26	2479
5	2417	13	2442	20	2468	27	2480
6	2422	14	2447	21	2472	28	2481
7	2423						

Modulation : MSK

Function Description :

The EUT is used to transmit and receive both control command and data. Please refer to the user's manual for the details.

The devices (supplied by the manufacturer) installed inside the EUT are listed below

Items	Model Number
Antenna Chip	BT-5020
RF chip	CC2500
Main Board	5E.14817

Perform the function of EUT continuously by executing the test program supplied by manufacturer.

Test Mode	Description
Mode 1	Power supplied by the battery.
Mode 2	Power supplied by the notebook with 3m USB cable.
Mode 3	Power supplied by the adapter with 5m USB cable.

According to the preliminary test, it was found that Mode 2 is the worst mode. It was taken as the representative condition for testing and its data are recorded in the present document.

Since the EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axes. There for only the test configuration of the worse case- X axis was used for Radiated test.

1.2 Applied standards

(1) Conduction Emission Requirement

For intentional device, according to §15.207(a) line conduction emission limit is as below table.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

* Decreases with the logarithm of the frequency.

(2) Field strength of emissions

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 (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
902 - 928 MHz	50	500
2400 - 2483.5 MHz	50	500
5725 - 5875 MHz	50	500
24.0 - 24.25 GHz	250	2500

(3) Radiated Emission Requirement

According to 15.249(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 Section 15.209, whichever is the lesser attenuation.

For intentional device, according to §15.209, the general requirement of field strength of radiated emissions from intentional radiator at a distance of 3 meters shall not exceed the below table.

Frequency (MHz)	Measurement Distance (m)	Field Strength (uV/m)	Field Strength (dBuV/m)
30 – 88	3	100	40.0
88 – 216	3	150	43.5
216 – 960	3	200	46.0
960 – 1610	3	500	54.0
above 1610	3	500	54.0

Note 1- The lower limit shall apply at the transition frequency.

(4) Occupied Bandwidth

The device must be designed to ensure that the 99% bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates..

(5) Restricted Band

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
[2]1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41			

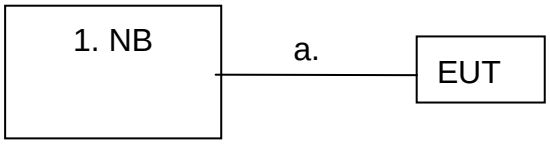
[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

1.3 The Support Units

No.	Unit	Model No./ Serial No.	Trade Name	Power Cord	Supported by lab.
1.	Notebook	LATITUDE D400/5FL891S	DELL	0.8m	V

1.4 Layout of Setup



Connecting Cables :

No.	Cable	Length	Shielded	Core	Shielded Backshell	Supported by lab.	Note
a.	USB Cable	3m		V			*

Justification :

For both conducted and radiated emission below 1GHz, the system was configured for typical fashion as a customer could normal use it. The peripherals other than EUT was connected in normally standing by situation. Measurement was performed under the conduction that a computer program was excited to simulate data communication of EUT, and the transmission rate was setup maximum allowed by EUT.

For line conducted emission, only measurement of TX/RX operated, for the digital circuits portion also function normally whenever TX or RX is operated. For radiated emission, measurement of radiated emission from digital circuit is performed with lowest, middle and highest channels by transmitting mode.

1.5 Test Capability

Test Facility

The test facility used for evaluating the conformance of the EUT with each standard in the present report meets what required in CISPR16-1-4, CISPR16-2-3 and ANSI C63.4:2003.

Test site	Type of Test site	Descriptions
TR1	10m semi-anechoic chamber (23m×14m×9m)	Complying with the NSA requirements in documents CISPR 22 and ANSI C63.4:2003 for the radiated emission measurement.
TR11	3m semi-anechoic chamber (9m × 6m × 6m)	
TR13	Test Site	For the RF conducted emission measurement.
TR5	Shielding Room (8m×5m×4m)	For the conducted emission measurement.

Test Laboratory Competence Information

Central Research Technology Co. has been accredited / filed / authorized by the agencies listed in the following table.

Certificate	Nation	Agency	Code	Mark
Accreditation Certificate	USA	NVLAP	200575-0	ISO/IEC 17025
	R.O.C. (Taiwan)	TAF	0905	ISO/IEC 17025
	R.O.C. (Taiwan)	BSMI	SL2-IN-E-0033, SL2-IS-E-0033, SL2-R1/R2-E-0033, SL2-A1-E-0033	ISO/IEC 17025
Site Filing Document	USA	FCC	474046, TW1053	Test facility list & NSA Data
	Canada	IC	4699A-1, -3	Test facility list & NSA Data
	Japan	VCCI	R-1527,C-1609,T-131,T-1441, G-10	Test facility list & NSA Data
Authorization Certificate	Germany	TUV	10021687-2010	ISO/IEC 17025
	Norway	Nemko	ELA212	ISO/IEC 17025

The copy of each certificate can be downloaded from our web site: www.crc-lab.com

1.6 Measurement Uncertainty

The assessed measurement uncertainty with a suitable coverage factor K to ensure 95% confidence level for the normal distribution are shown as below, the values are less than U_{cispr} in table 1 of CISPR 16-4-2.

Test Item	Measurement Uncertainty	
Peak Output Power	1.1dB	
Radiated Emission: (30MHz~200MHz)	Horizontal 3.5dB；Vertical 4.0 dB	
Radiated Emission: (200MHz~1GHz)	Horizontal 4.2dB；Vertical 3.9dB	
Radiated Emission: (1GHz~18GHz)	Horizontal 2.5dB；Vertical 2.5dB	
Radiated Emission: (18GHz~26.5GHz)	Horizontal 4.0dB；Vertical 4.0dB	
Line Conducted Emission	ESH2-Z5	3.1dB
	ENV 4200	3.8dB

2 Field Strength of Fundamental

Result: Pass

2.1 Applied standard

Fundamental Frequency	Peak	Average
☐ 902 – 928 MHz	500mV/m (**114dBuV/m**)	50mV/m (**94dBuV/m**)
☑ 2400 – 2483.5 MHz	500 mV/m (**114dBuV/m**)	50 mV/m (**94dBuV/m**)
☐ 5725 – 5875 MHz	500 mV/m (**114dBuV/m**)	50 mV/m (**94dBuV/m**)
☐ 24.0 – 24.25 GHz	2500 mV/m (**128dBuV/m**)	250 mV/m (**108dBuV/m**)

2.2 Test Instruments

Test Site and Equipment	Manufacturer	Model No./ Serial No.	Last Calibration Date	Calibration Due Date
Spectrum Analyzer	Agilent	E4407B/ MY45106795	2010/5/4	2011/5/3
Antenna	EMCO	3117/57416	2010/3/5	2011/3/4
RF Cable	N/A	N/A/C0083+C0071	2010/5/28	2011/5/27
Semi - anechoic Chamber	ETS. LINDGREN	TR11/ 906-A	2010/4/20	2011/4/19

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR:No Calibration Required.

Instrument Setting

RBW	VBW	Detector	Trace	Comment
1MHz	1MHz	Peak	Maxhold	Peak
1MHz	10Hz	Peak	Maxhold	Average

Climatic Condition

Ambient Temperature：24℃ Relative Humidity : 54%

2.3 Measurement Procedure

a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.

b. A software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

c. If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 meters above the reference ground plane in the semi-anechoic chamber. If the EUT is floor-standing equipment, it was placed on a non-conducted support with a height of 12 millimeters above the reference ground plane in the semi-anechoic chamber.

d. The EUT was set 3m away from the interference receiving antenna.

e. Rapidly sweep the signal in the test frequency range by using the spectrum through the Maximum-peak detector.

f. Rotate the EUT from 0° to 360° and position the receiving antenna at heights from 1 to 4 meters above the reference ground plane continuously to determine higher emission level and record it.

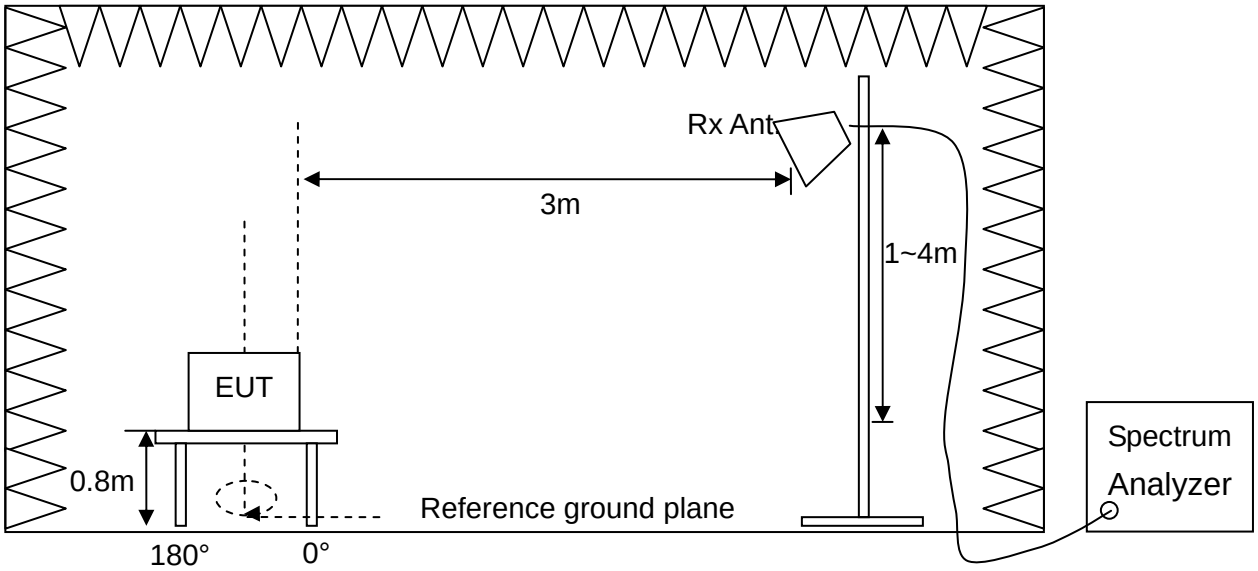
g. Then measure frequency found from step f. by using the spectrum with rotating the EUT and positioning the receiving antenna height to determine the maximum level.

h. Set the spectrum detector to be Peak or Average to find out the maximum level occurred.

i. Record frequency, azimuth angle of the turntable, height, and polarization of the receiving antenna and compare the maximum level with the required limit.

j. Change the receiving antenna to another polarization to measure radiated emission by following step e. to i. again.

2.4 Test configuration



2.5 Test Data

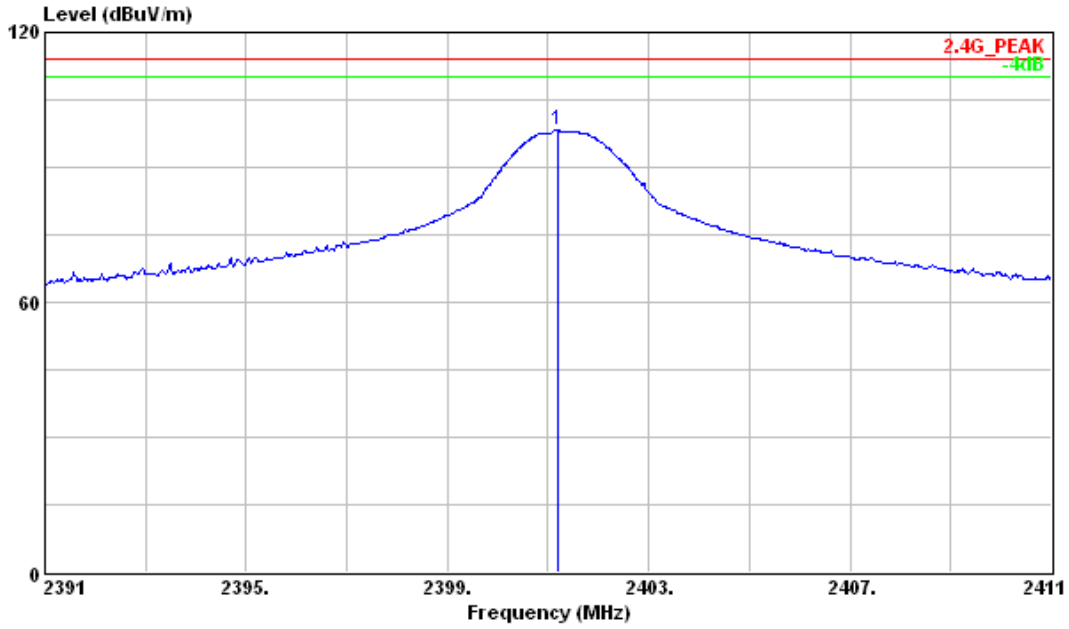
Test Mode : Continuous Transmitting **Tester :** Bill

Frequency (MHz)	Polarization	Reading Data (dBuV)		Correction Factor (dB/m)	Output Field Strength (dBμV/m)		Limit (dBμV/m)		Margin (dB)	
		PK	AV		PK	AV	PK	AV	PK	AV
2401.2	V	93.92	54.92	4.25	98.17	59.17	114	94	15.83	34.83
	H	92.74	54.32	4.25	96.99	58.57	114	94	17.01	35.43
2447.20	V	90.57	54.06	4.21	94.78	58.27	114	94	19.22	35.73
	H	91.32	54.42	4.21	95.53	58.63	114	94	18.47	35.37
2481.10	V	90.06	53.61	4.18	94.24	57.79	114	94	19.76	36.21
	H	90.66	55.30	4.18	94.84	59.48	114	94	19.16	34.52

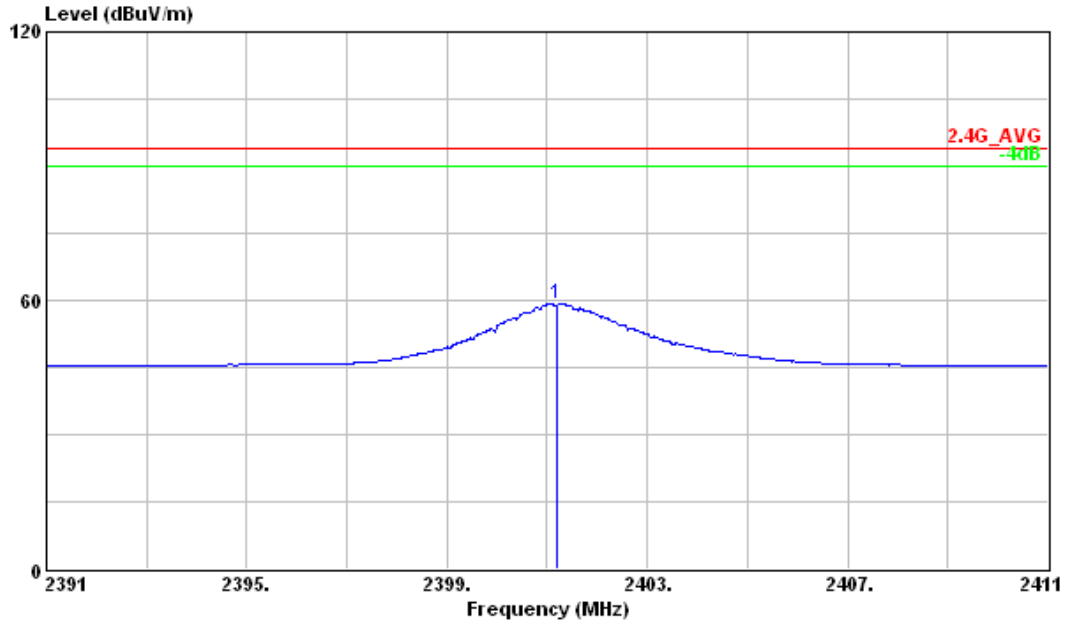
Note：

1. Correction Factor (dB/m) = Cable Loss + Antenna Factor
2. Output Field Strength (dBuV/m) = Reading Data + Correction Factor
3. Margin (dB) = Limit – Output Field Strength

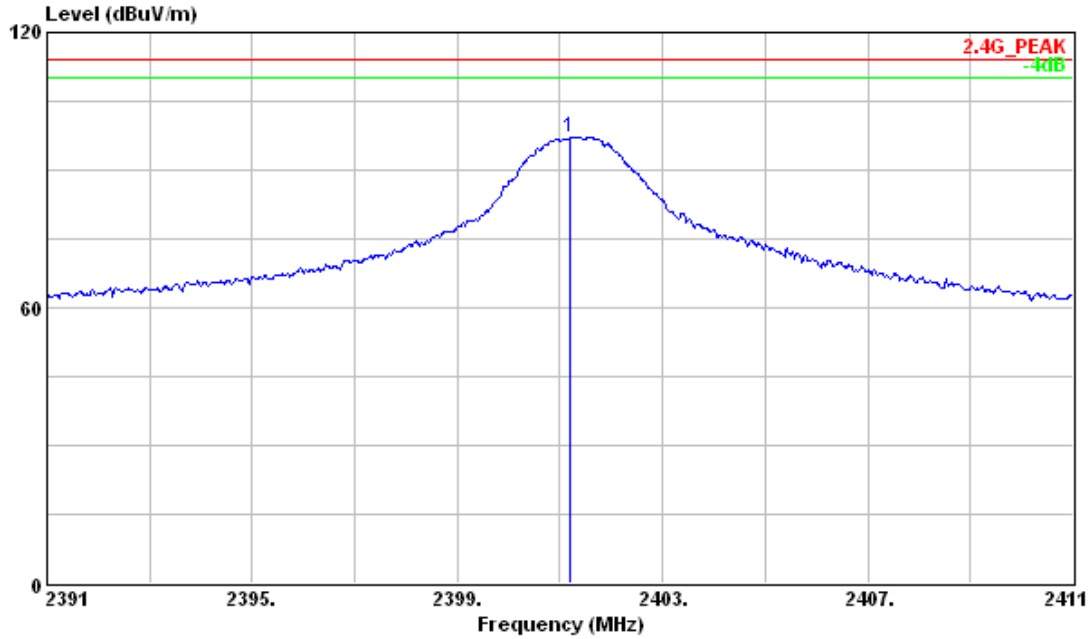
2401MHz
Vertical Polarization - Peak



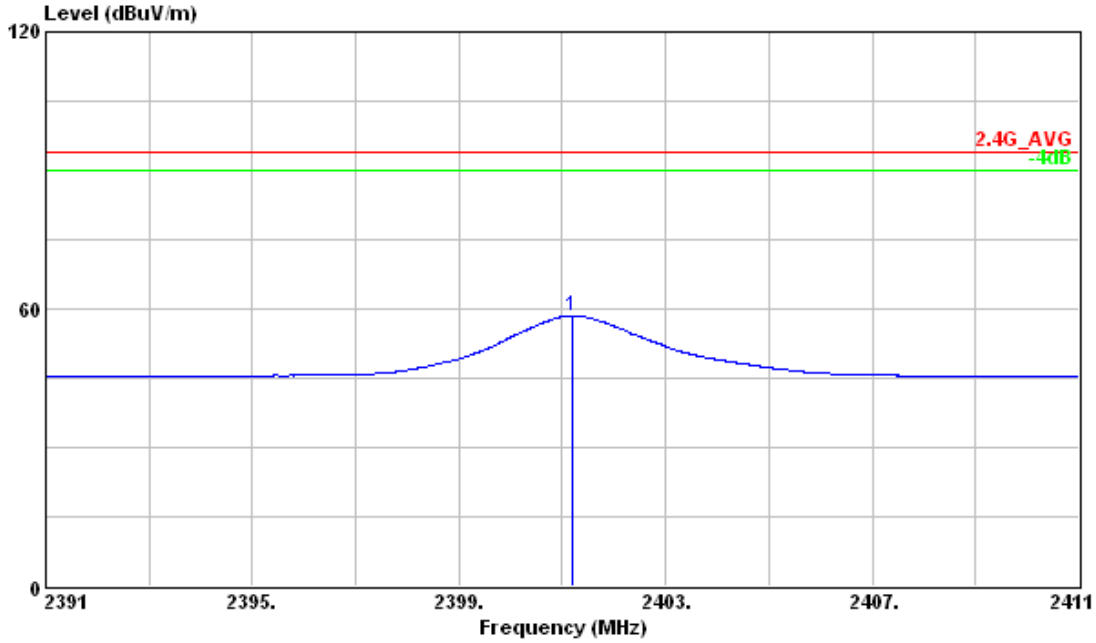
Vertical Polarization - Average



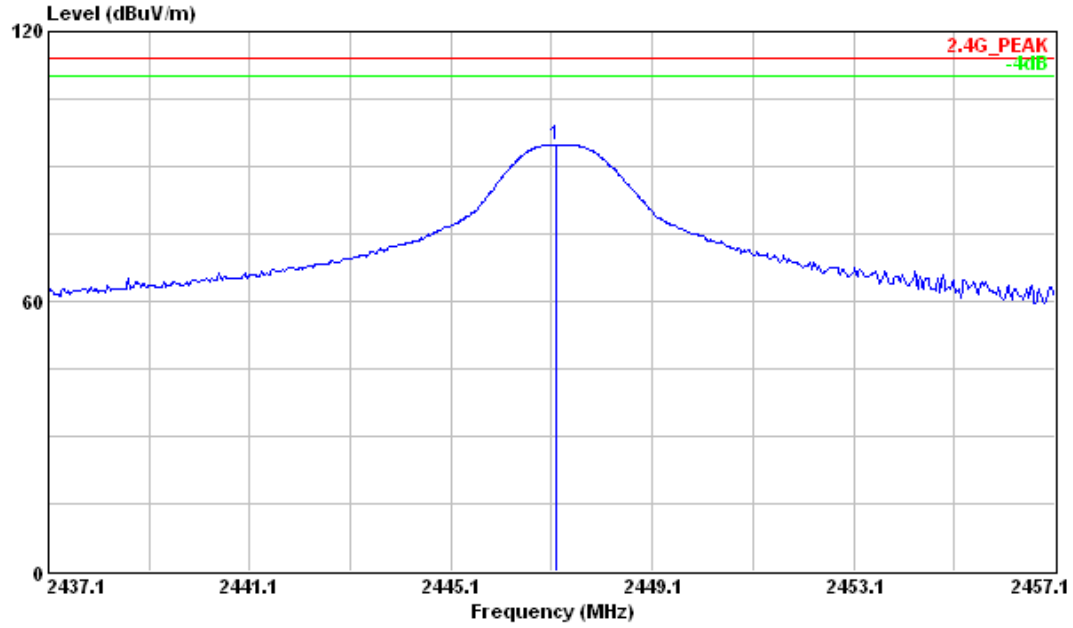
Horizontal Polarization - Peak



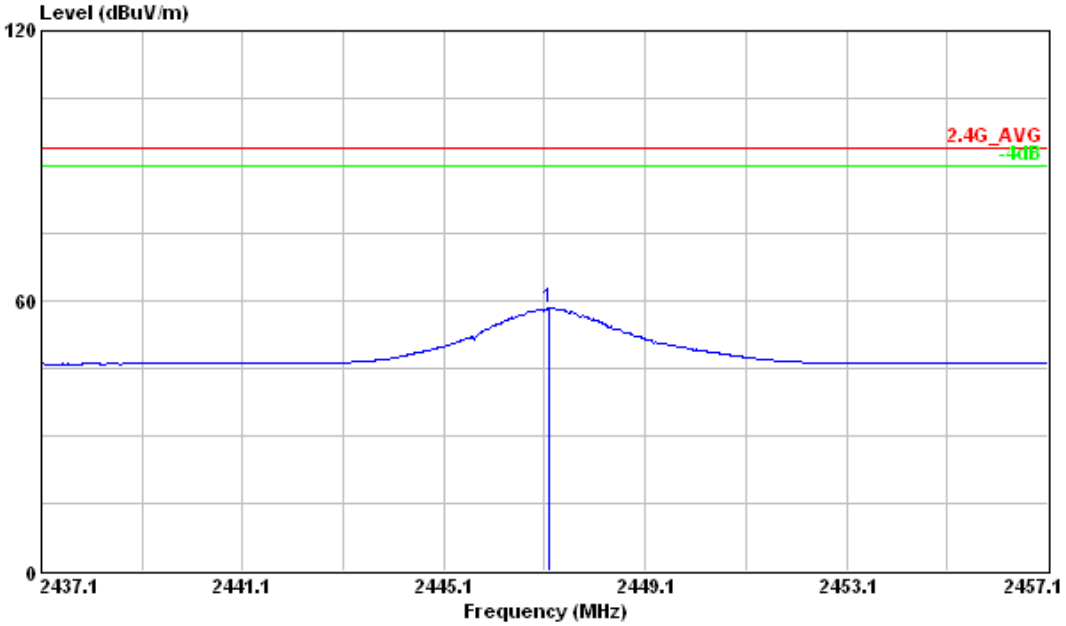
Horizontal Polarization - Average



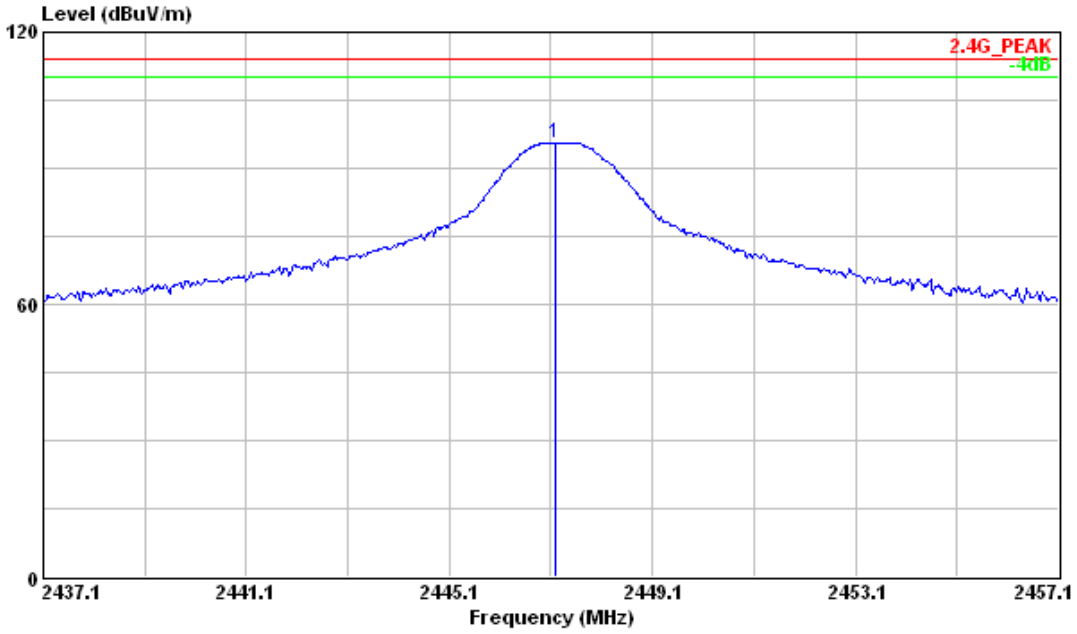
2447MHz
Vertical Polarization - Peak



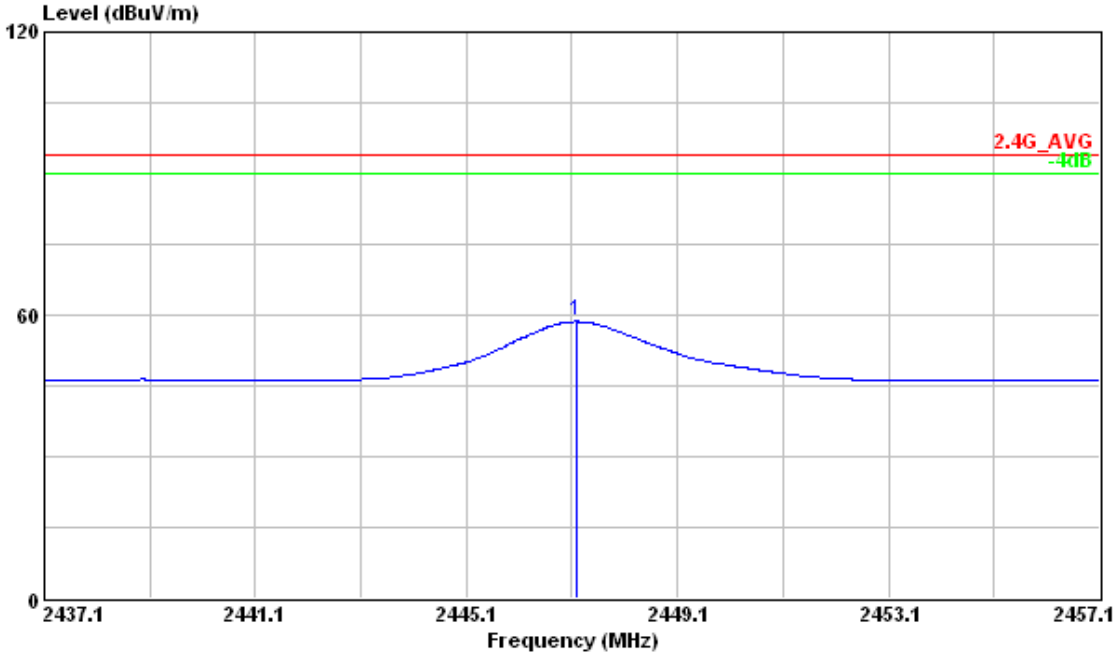
Vertical Polarization - Average



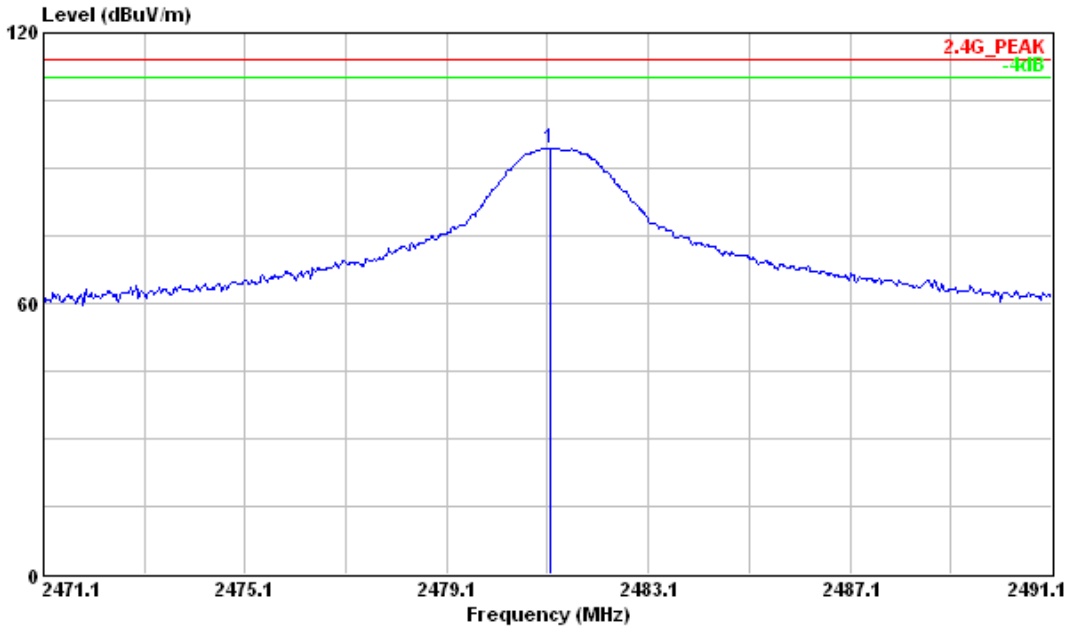
Horizontal Polarization - Peak



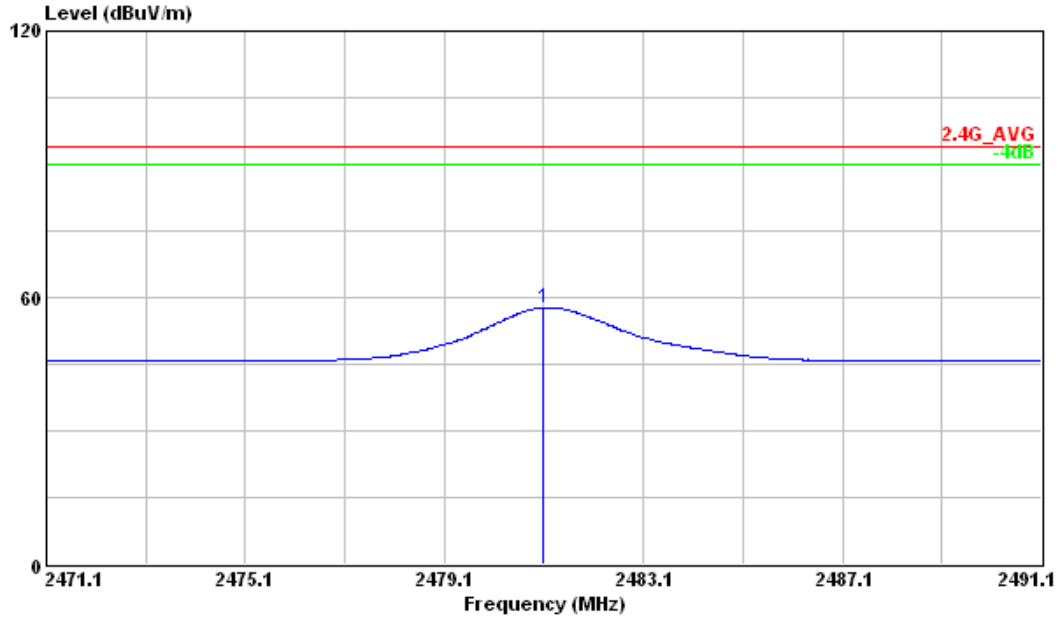
Horizontal Polarization - Average



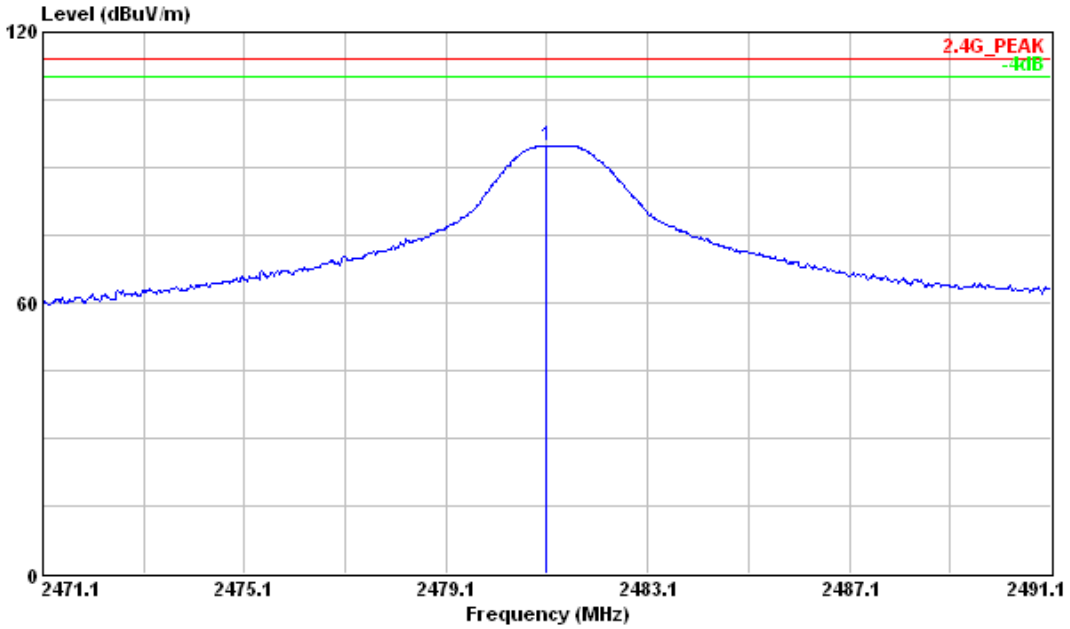
2481MHz
Vertical Polarization - Peak



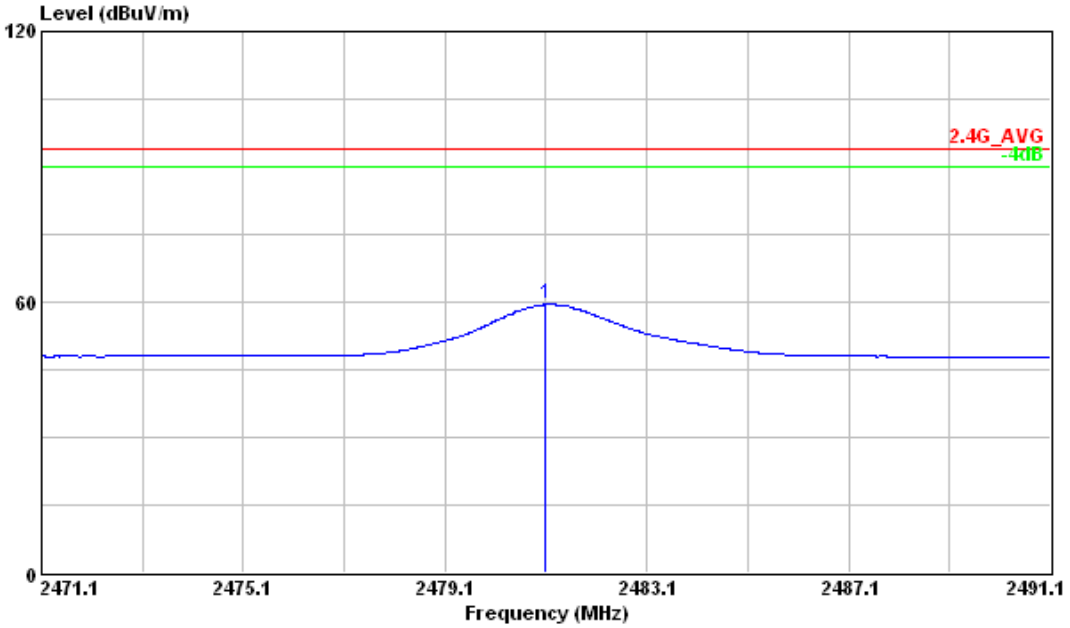
Vertical Polarization - Average



Horizontal Polarization - Peak



Horizontal Polarization - Average



3 Radiated Emission Measurement

Result: PASS

3.1 Limit for Radiated Emission Measurement

Limit for Harmonics Radiation Emission Measurement

Fundamental Frequency	Field Strength of Harmonics
☐ 902 – 928 MHz	500 uV/m (54dBuV/m)
☑ 2400 – 2483.5 MHz	500 uV/m (54dBuV/m)
☐ 5725 – 5875 MHz	500 uV/m (54dBuV/m)
☐ 24.0 – 24.25 GHz	2500 uV/m(68dBuV/m)

Limit for Other Emissions except Harmonics

Frequency (MHz)	Quasi-peak (dBμV/m)	
30 to 88	40	
88 to 216	43.5	
216 to 960	46	
960 to 1000	54	
Frequency (MHz)	**Peak (dBμV/m)**	**Average (dBμV/m)**
Above 1000	74	54

Note 1- The lower limit shall apply at the transition frequency.
Note 2- Additional provisions may be required for cases where interference occurs.

3.2 Test Instruments

Test Site and Equipment	Manufacturer	Model No./ Serial No.	Last Calibration Date	Calibration Due Date
Spectrum Analyzer	Agilent	E4407B/ MY45106795	2010/5/4	2011/5/3
EMI Test Receiver	R&S	ESCI/100019	2009/11/30	2010/11/29
Broadband Antenna	EMCO	3142C/52088	2009/7/22	2010/7/21
Antenna	EMCO	3117/57416	2010/3/5	2011/3/4
PRE-AMPLIFIER	MITEQ	AFS6-02001800-35 -10P-6/949196	2009/9/11	2010/09/10
Pre-Amplifier	Mini Circuit	ZKL-2/004	2010/8/8	2010/8/7
Semi - anechoic Chamber	ETS. LINDGREN	TR11/ 906-A	2010/4/20	2011/4/19

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR:No Calibration Required.

Instrument Setting

RBW	VBW	Detector	Trace	Comment
120kHz	N/A	Quasi-Peak	Maxhold	Below 1GHz
1MHz	1MHz	Peak	Maxhold	Above 1GHz Peak
1MHz	10Hz	Peak	Maxhold	Above 1GHz Average

Climatic Condition

Ambient Temperature：23°C; Relative Humidity ：52%

3.3 Test Procedures

a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.

b. A software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

c. If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 meters above the reference ground plane in the semi-anechoic chamber. If the EUT is floor-standing equipment, it was placed on a non-conducted support with a height of 12 millimeters above the reference ground plane in the semi-anechoic chamber.

d. The EUT was set 3m away from the interference receiving antenna.

e. Rapidly sweep the signal in the test frequency range by using the spectrum through the Maximum-peak detector.

f. Rotate the EUT from 0° to 360° and position the receiving antenna at heights from 1 to 4 meters above the reference ground plane continuously to determine at least six frequencies associated with higher emission levels and record them.

g. Then measure each frequency found from step f. by using the spectrum with rotating the EUT and positioning the receiving antenna height to determine the maximum level.

h. For measurement of frequency below 1000MHz, set the receiver detector to be Quasi-Peak per CISPR 16-1 to find out the maximum level occurred.

i. For measurement of frequency above 1000MHz, set the spectrum detector to be Peak or Average to find out the maximum level occurred, if any.

j. Record frequency, azimuth angle of the turntable, height, and polarization of the receiving antenna and compare the maximum level with the required limit.

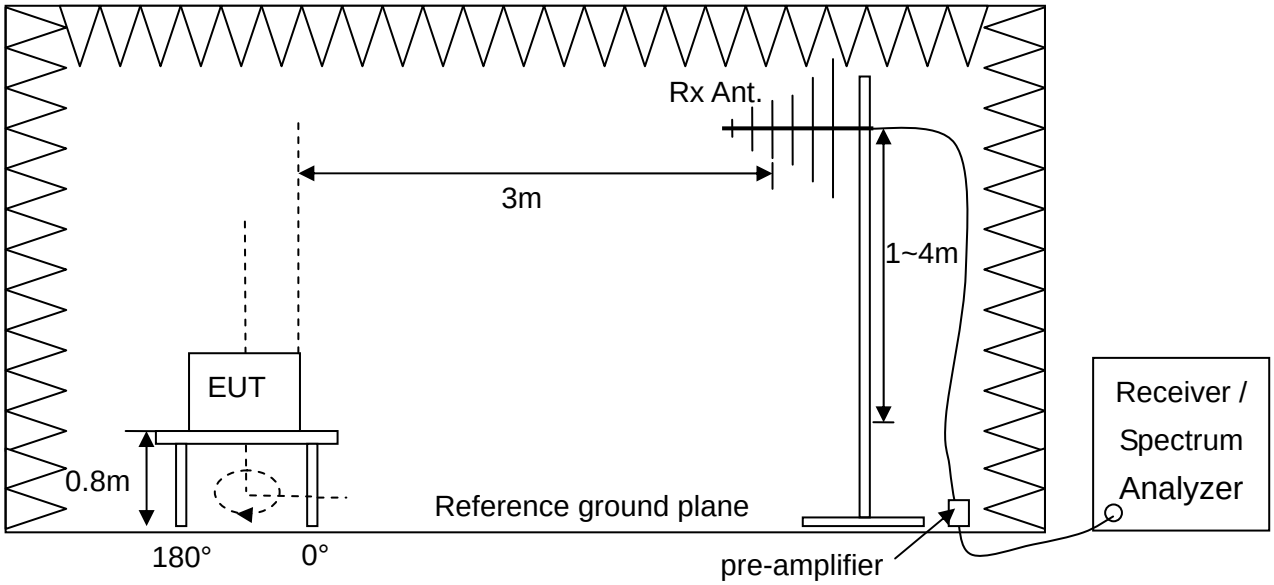
k. Change the receiving antenna to another polarization to measure radiated emission by following step e. to j. again.

l. If the peak emission level below 1000MHz measured from step f. is 4dB lower than the limit specified, then the emission values presented will be the peak value only. Otherwise, accurate Q.P. value will be measured and presented.

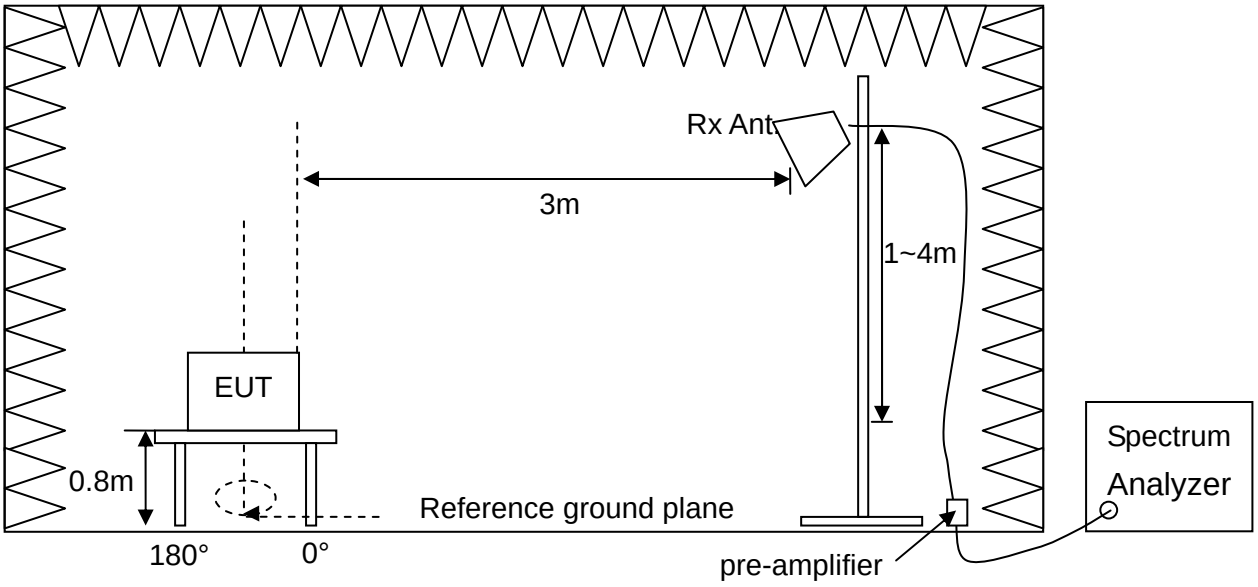
m. If the peak emission level above 1000MHz measured from step f. is 20dB lower than the limit specified, then the emission values presented will be the peak value only. Otherwise, accurate A.V. value will be measured and presented.

3.4 Test Configuration

Radiated Emission Measurement below 1000MHz



Radiated Emission Measurement above 1000MHz



3.5 Test Results

Band Edge

Test Mode **: Continuous Transmitting**

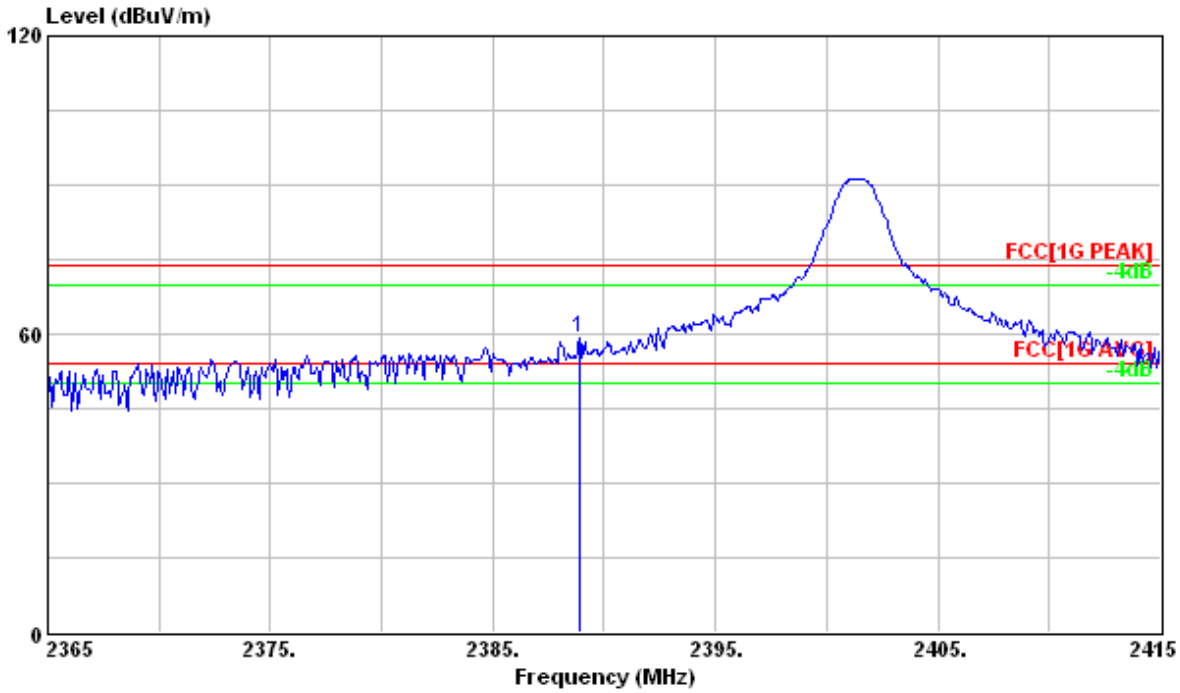
Test Distance **:** 3m **Tester** **:** Bill

Test Range	Polarization	Frequency (MHz)	Reading Data (dBuV)		Correction Factor (dB/m)	Emission (dBuV/m)		Limit (dBuV/m)		Margin (dB)	
			PK.	AV.		PK.	AV.	PK.	AV.	PK.	AV.
Lowest	V	2388.90	88.63	62.04	-29.48	59.15	32.56	74	54	14.85	21.44
	H	2388.90	86.17	62.07	-29.48	56.69	32.59	74	54	17.31	21.41
Highest	V	2483.5	95.02	63.33	-29.53	65.49	33.80	74	54	8.51	20.20
	H	2483.5	96.76	69.16	-29.53	67.23	39.63	74	54	6.77	14.37

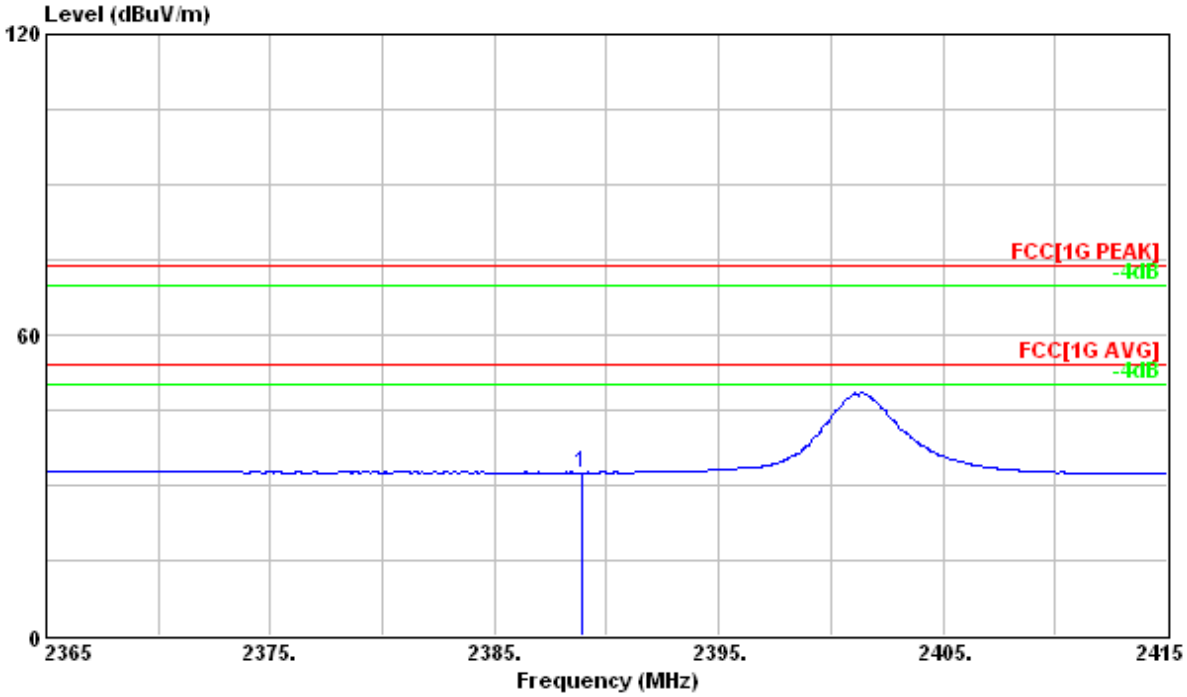
Note:

1. Correction Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier
2. Emission Level (dBuV/m) = Reading Data + Correction Factor
3. Margin (dB) = Limit – Emission Level

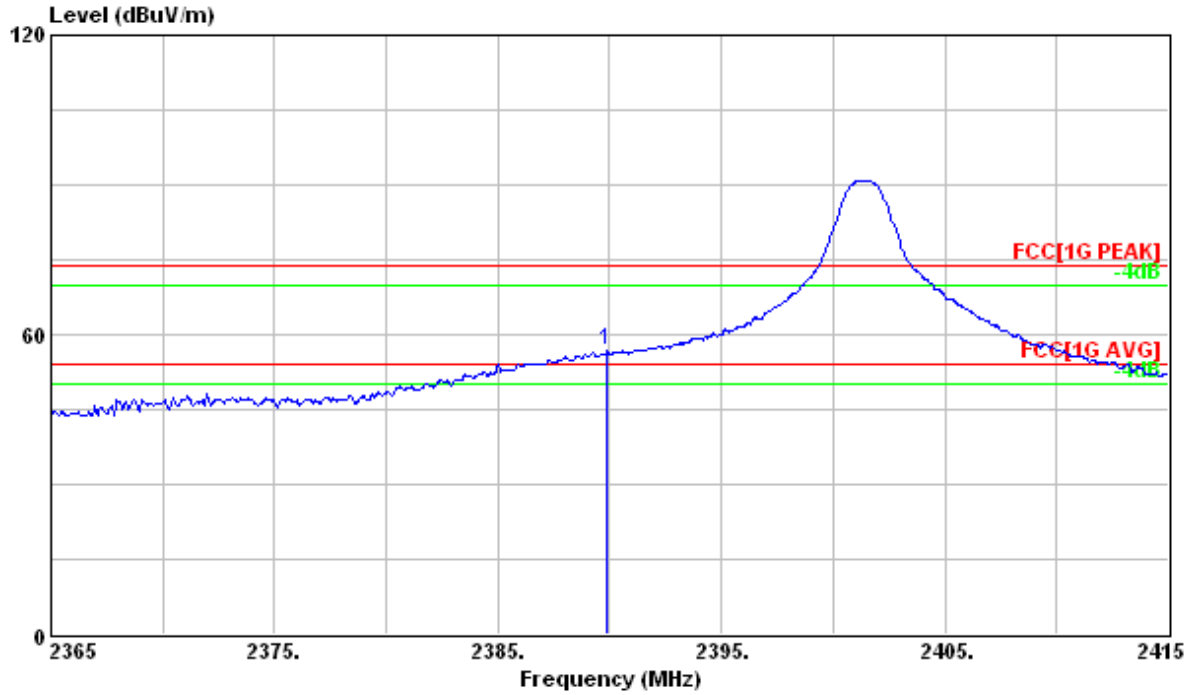
Lowest Channel, Vertical - Peak



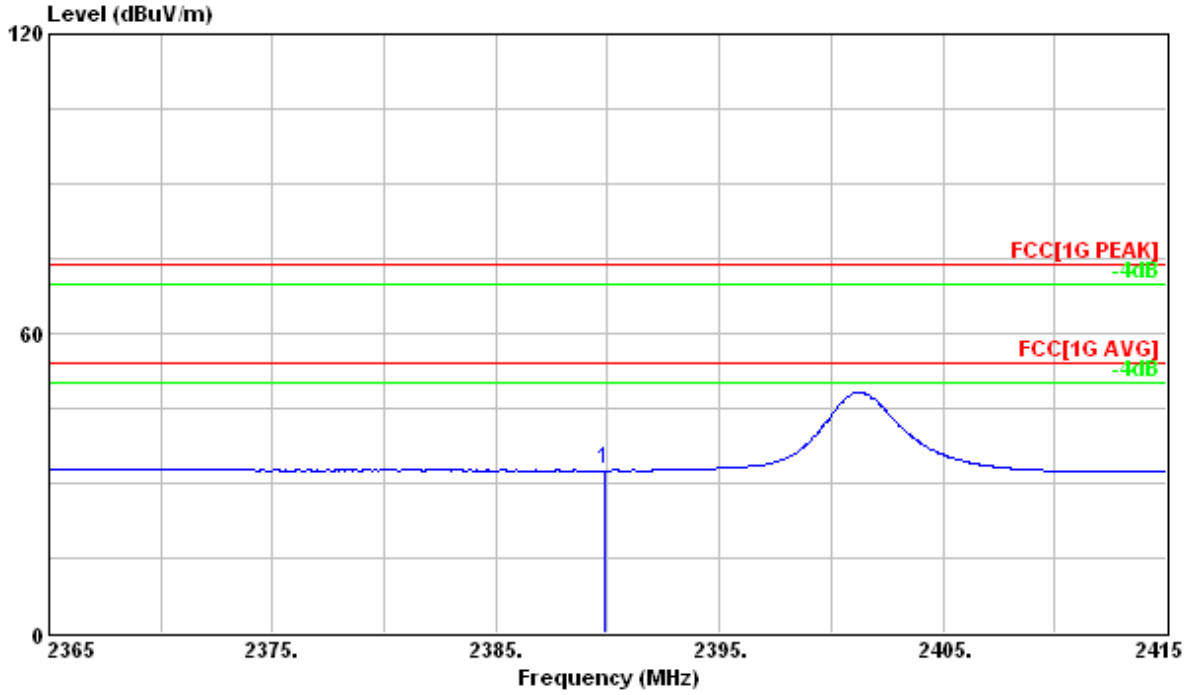
Lowest Channel, Vertical - Average



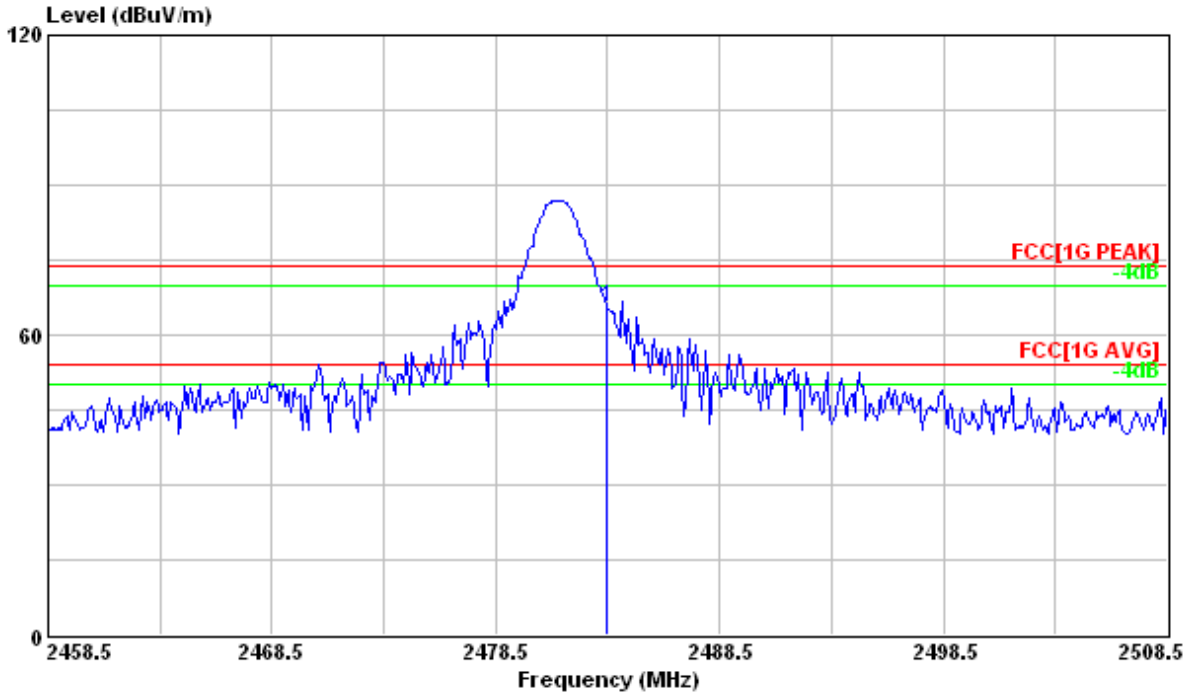
Lowest Channel, Horizontal - Peak



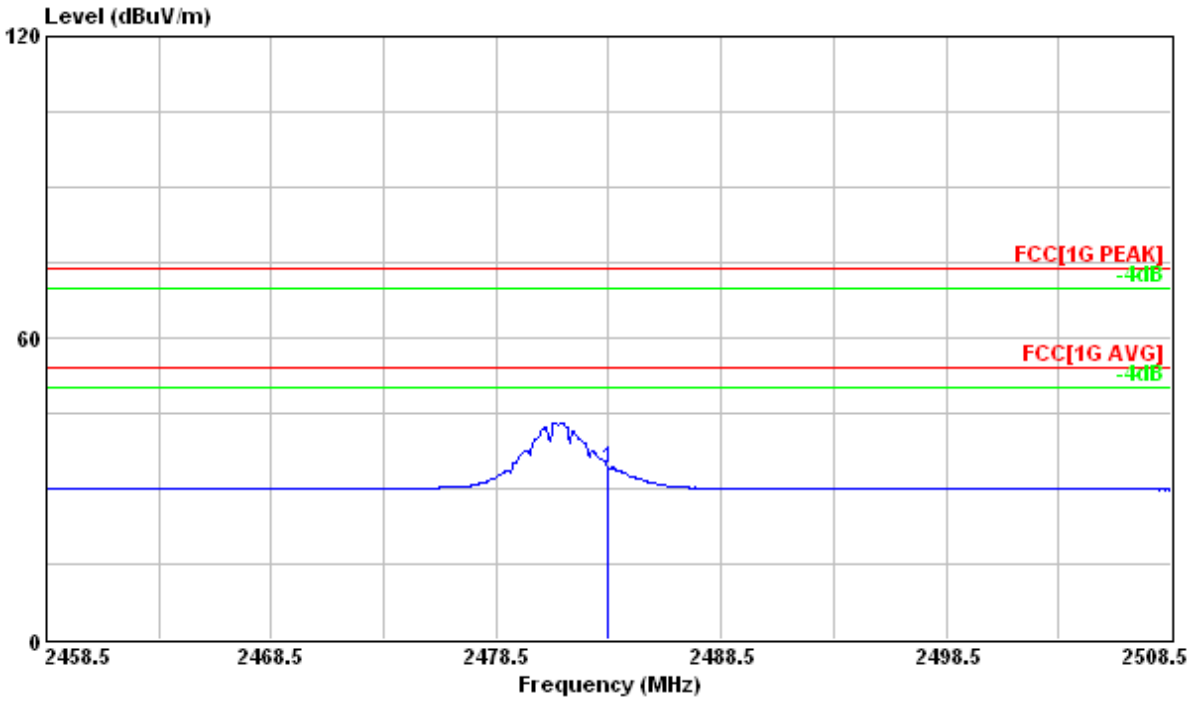
Lowest Channel, Horizontal - Average



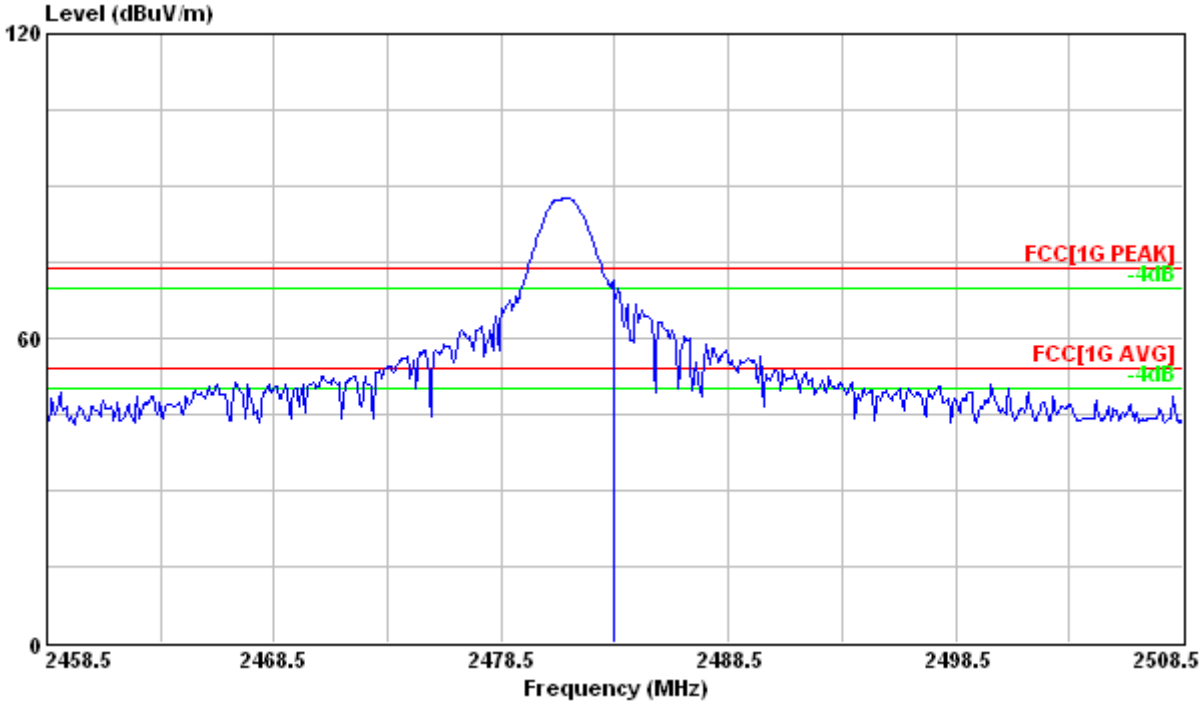
Highest Channel, Vertical - Peak



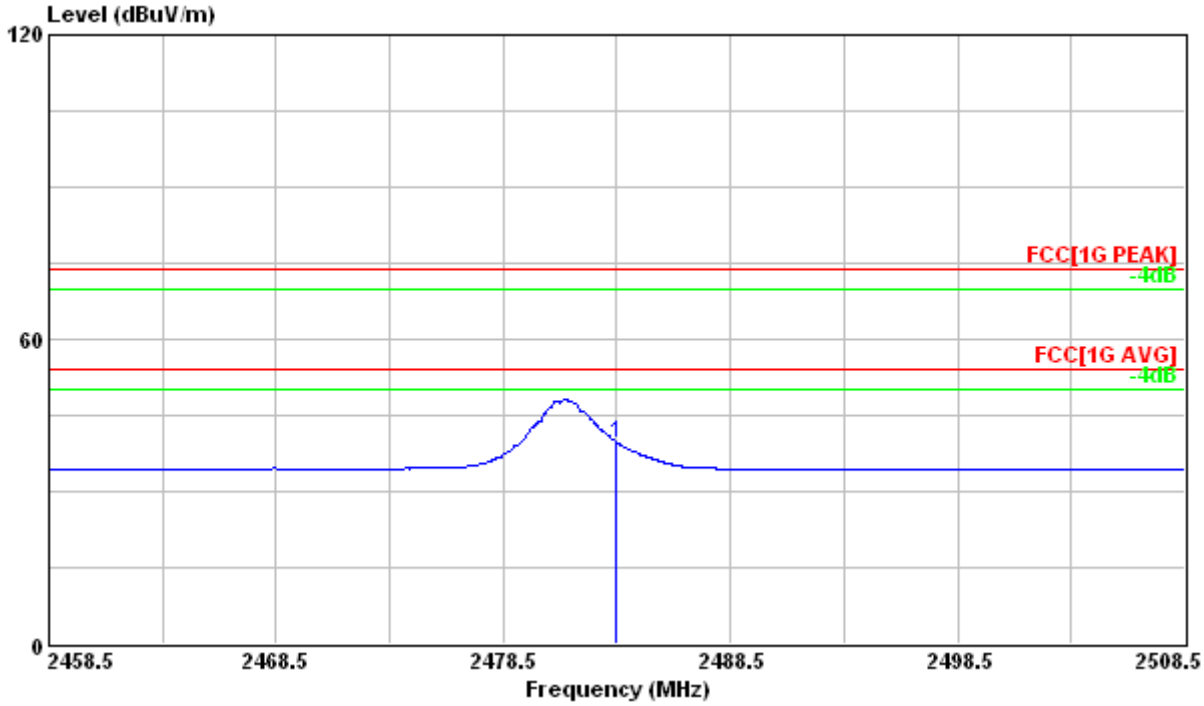
Highest Channel, Vertical - Average



Highest Channel, Horizontal - Peak



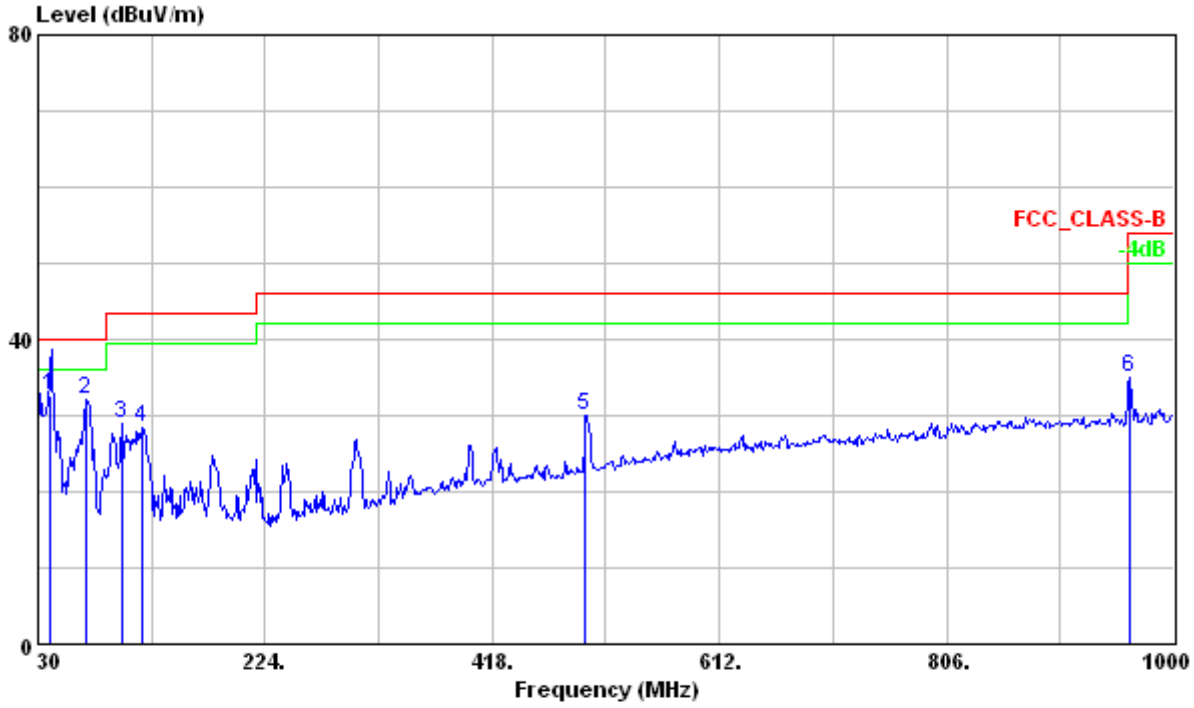
Highest Channel, Horizontal - Average



Transmitter Radiated Emission Measurement

Below 1000MHz

Test Mode	:	**Continuous Transmitting, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

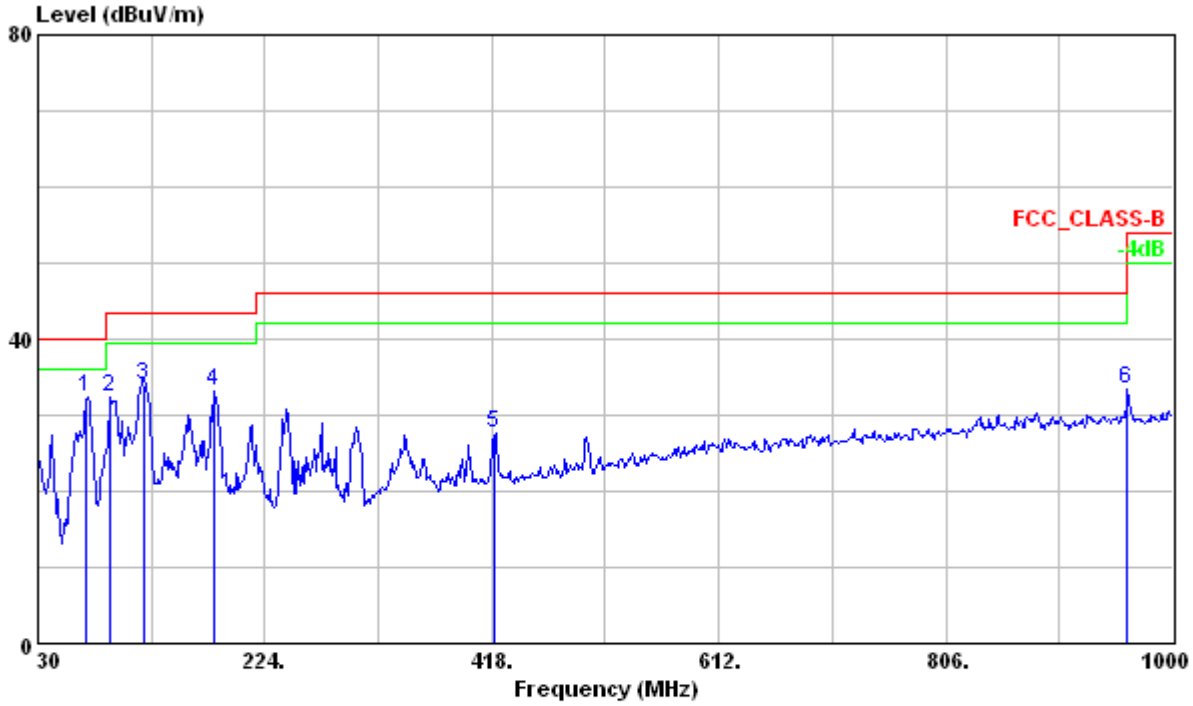


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	40.953	32.62	-14.56	47.18	40.00	-7.38	100	138	VERTICAL	QP
2	71.040	32.06	-19.71	51.77	40.00	-7.94	---	---	VERTICAL	Peak
3	101.550	28.96	-18.70	47.66	43.50	-14.54	---	---	VERTICAL	Peak
4	118.560	28.54	-19.39	47.93	43.50	-14.96	---	---	VERTICAL	Peak
5	497.400	30.04	-7.22	37.26	46.00	-15.96	---	---	VERTICAL	Peak
6	962.900	35.04	-0.46	35.50	54.00	-18.96	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous Transmitting, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz

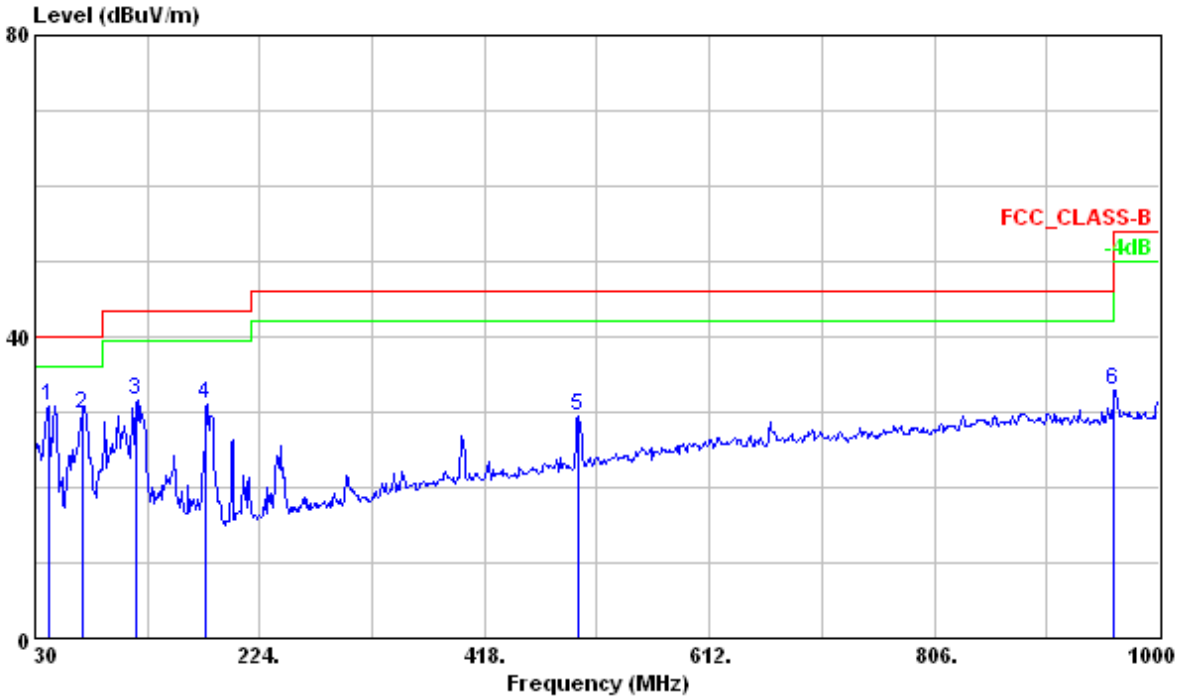


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	71.850	32.26	-19.73	51.99	40.00	-7.74	---	---	HORIZONTAL	Peak
2	92.100	32.26	-19.23	51.49	43.50	-11.24	---	---	HORIZONTAL	Peak
3	119.910	33.85	-19.46	53.31	43.50	-9.65	199	201	HORIZONTAL	QP
4	180.660	33.19	-16.28	49.47	43.50	-10.31	---	---	HORIZONTAL	Peak
5	420.400	27.73	-8.66	36.39	46.00	-18.27	---	---	HORIZONTAL	Peak
6	960.800	33.43	-0.48	33.91	54.00	-20.57	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous Transmitting, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

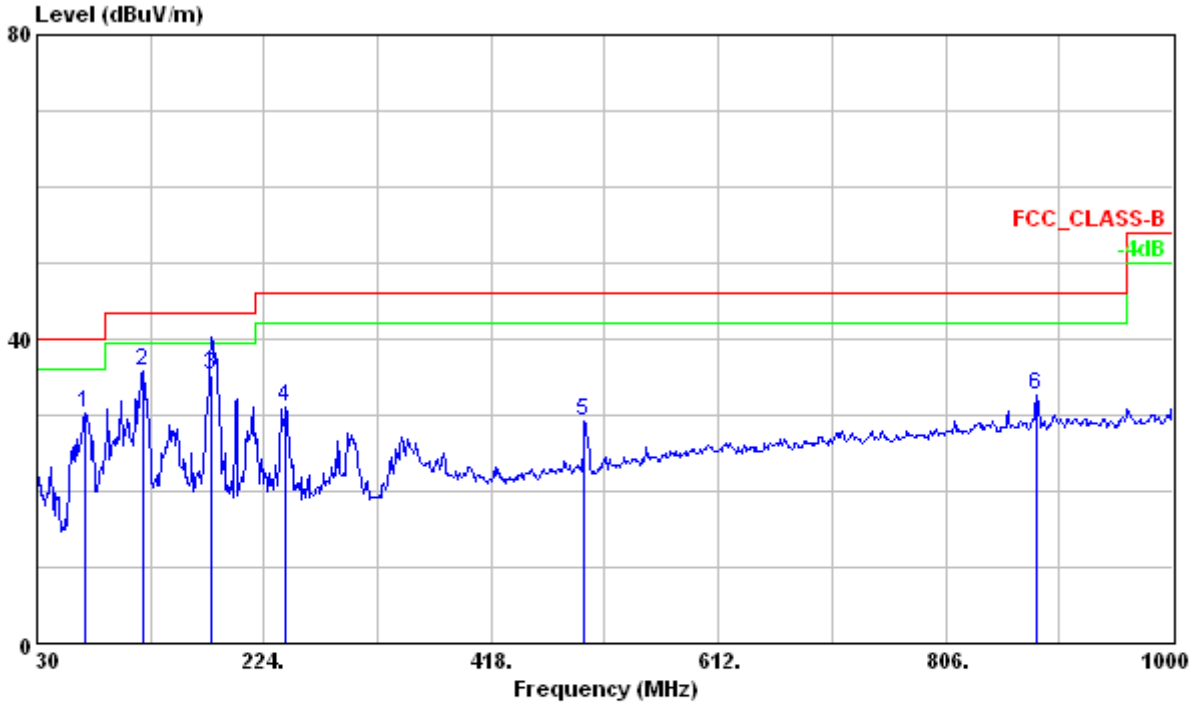


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1 @	41.340	30.83	-14.73	45.56	40.00	-9.17	---	---	VERTICAL	Peak
2	71.850	29.62	-19.73	49.35	40.00	-10.38	100	248	VERTICAL	QP
3	117.750	31.64	-19.36	51.00	43.50	-11.86	---	---	VERTICAL	Peak
4	177.960	30.97	-16.39	47.36	43.50	-12.53	---	---	VERTICAL	Peak
5	499.500	29.49	-7.18	36.67	46.00	-16.51	---	---	VERTICAL	Peak
6	960.800	32.97	-0.48	33.45	54.00	-21.03	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous Transmitting, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz

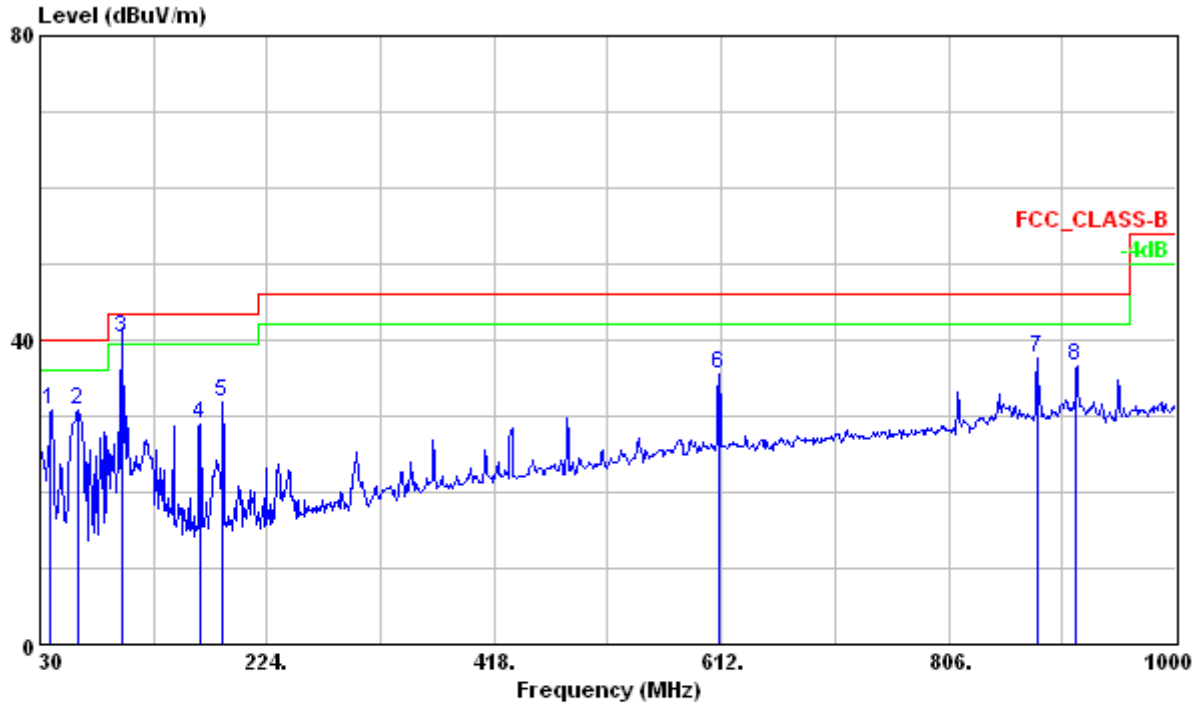


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	71.040	30.39	-19.71	50.10	40.00	-9.61	---	---	HORIZONTAL	Peak
2 @	120.450	35.92	-19.45	55.37	43.50	-7.58	---	---	HORIZONTAL	Peak
3 @	179.260	35.35	-16.33	51.68	43.50	-8.15	100	0	HORIZONTAL	QP
4	242.220	31.01	-14.26	45.27	46.00	-14.99	---	---	HORIZONTAL	Peak
5	497.400	29.24	-7.22	36.46	46.00	-16.76	---	---	HORIZONTAL	Peak
6	883.800	32.72	-0.93	33.65	46.00	-13.28	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous Transmitting, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

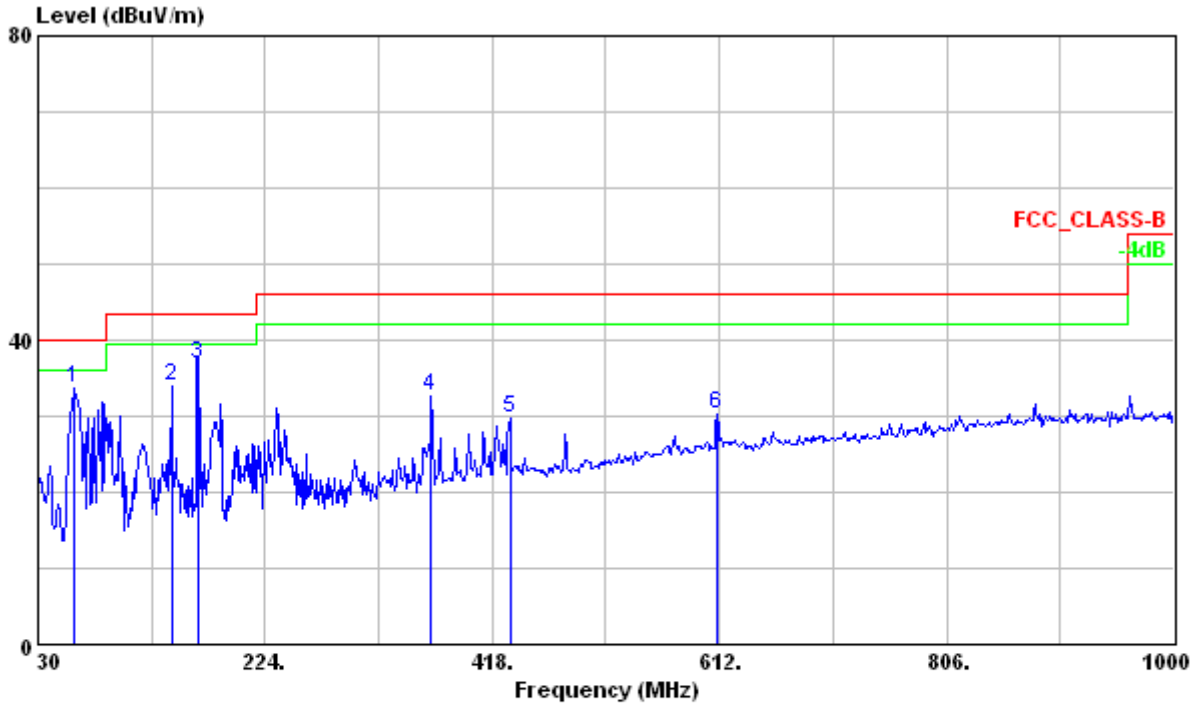


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	39.180	30.71	-13.73	44.44	40.00	-9.29	---	---	VERTICAL	Peak
2	62.400	30.92	-19.34	50.26	40.00	-9.08	---	---	VERTICAL	Peak
3 @	99.901	40.24	-18.66	58.90	43.50	-3.26	100	227	VERTICAL	QP
4	166.620	28.85	-16.89	45.74	43.50	-14.65	---	---	VERTICAL	Peak
5	186.060	31.85	-16.10	47.95	43.50	-11.65	---	---	VERTICAL	Peak
6	610.100	35.44	-4.66	40.10	46.00	-10.56	---	---	VERTICAL	Peak
7	881.700	37.69	-0.96	38.65	46.00	-8.31	---	---	VERTICAL	Peak
8	915.300	36.57	-0.68	37.25	46.00	-9.43	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous Transmitting, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz



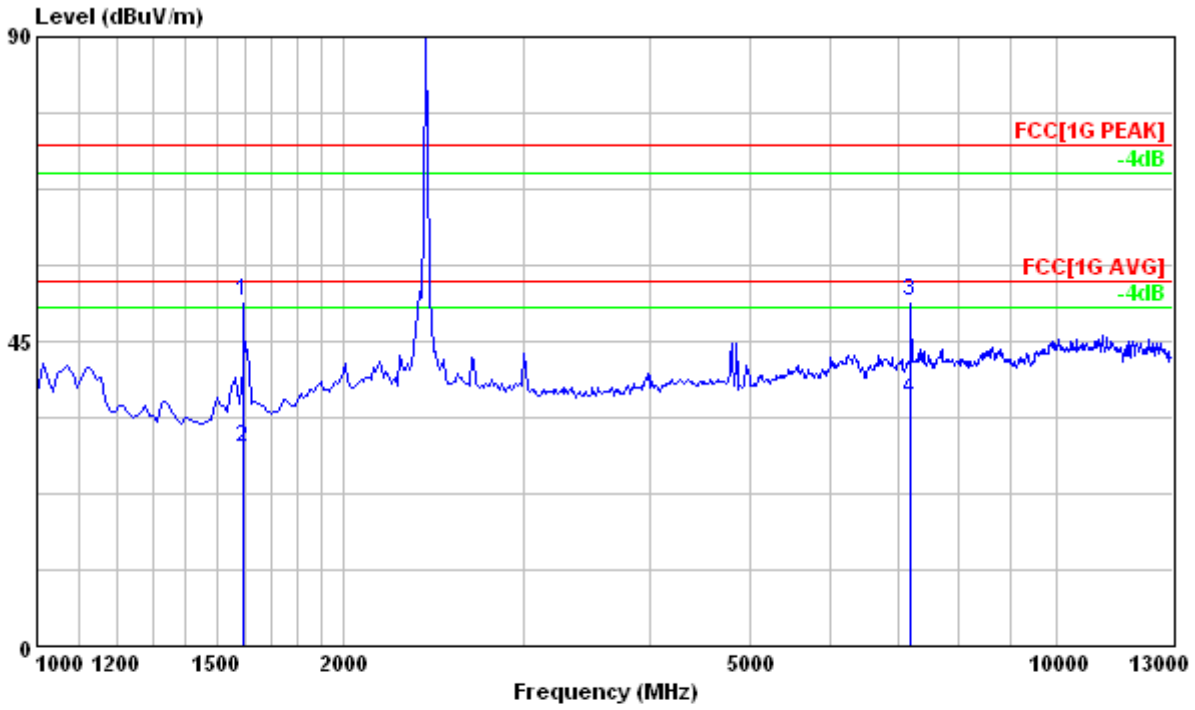
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	60.240	33.61	-19.24	52.85	40.00	-6.39	---	---	HORIZONTAL	Peak
2	144.210	33.85	-18.23	52.08	43.50	-9.65	---	---	HORIZONTAL	Peak
3	166.620	36.74	-16.89	53.63	43.50	-6.76	100	99	HORIZONTAL	QP
4	365.800	32.54	-10.02	42.56	46.00	-13.46	---	---	HORIZONTAL	Peak
5	433.520	29.66	-8.41	38.07	46.00	-16.34	---	---	HORIZONTAL	Peak
6	610.100	30.30	-4.66	34.96	46.00	-15.70	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Above 1000MHz

Test Mode	:	**Continuous transmitting, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	1GHz ~ 25GHz



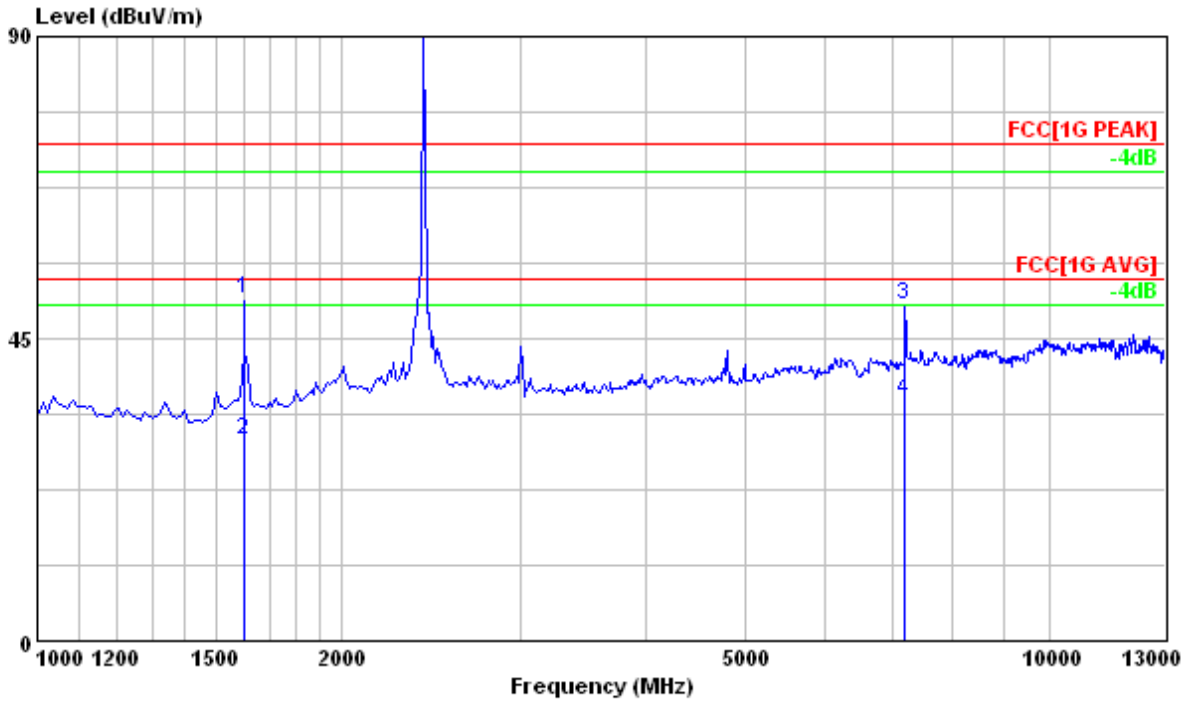
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1596.980	50.99	-33.37	84.36	74.00	-23.01	130	298	VERTICAL	Peak
2	1596.980	29.32	-33.37	62.69	54.00	-24.68	130	298	VERTICAL	Average
3	7203.500	50.98	-23.96	74.94	74.00	-23.02	100	18	VERTICAL	Peak
4 @	7203.500	36.54	-23.96	60.50	54.00	-17.46	100	18	VERTICAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous transmitting, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	1GHz ~ 25GHz



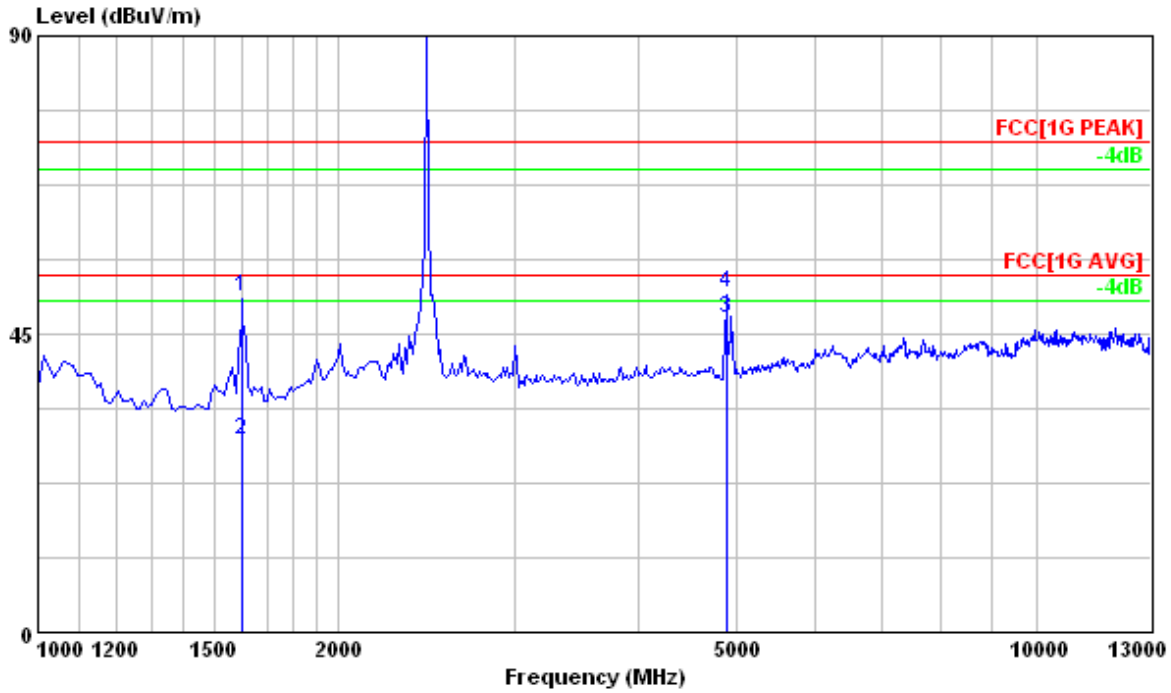
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1598.200	50.89	-33.36	84.25	74.00	-23.11	128	36	HORIZONTAL	Peak
2	1598.200	29.83	-33.36	63.19	54.00	-24.17	128	36	HORIZONTAL	Average
3	7203.475	50.12	-23.96	74.08	74.00	-23.88	113	25	HORIZONTAL	Peak
4	7203.475	35.84	-23.96	59.80	54.00	-18.16	113	25	HORIZONTAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous transmitting, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	1GHz ~ 25GHz



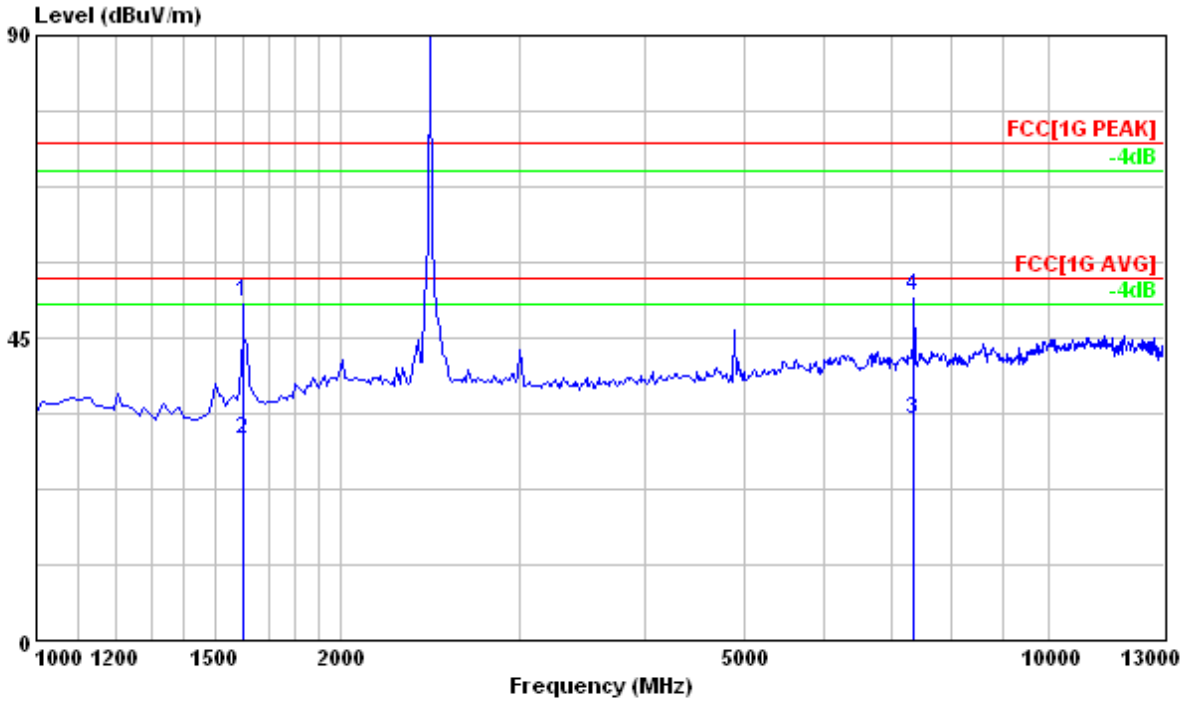
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1598.475	50.54	-33.36	83.90	74.00	-23.46	102	112	VERTICAL	Peak
2	1598.475	28.89	-33.36	62.25	54.00	-25.11	102	112	VERTICAL	Average
3	4893.550	47.36	-27.57	74.93	54.00	-6.64	113	68	VERTICAL	Average
4	4893.550	51.24	-27.57	78.81	74.00	-22.76	113	68	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous transmitting, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	1GHz ~ 25GHz



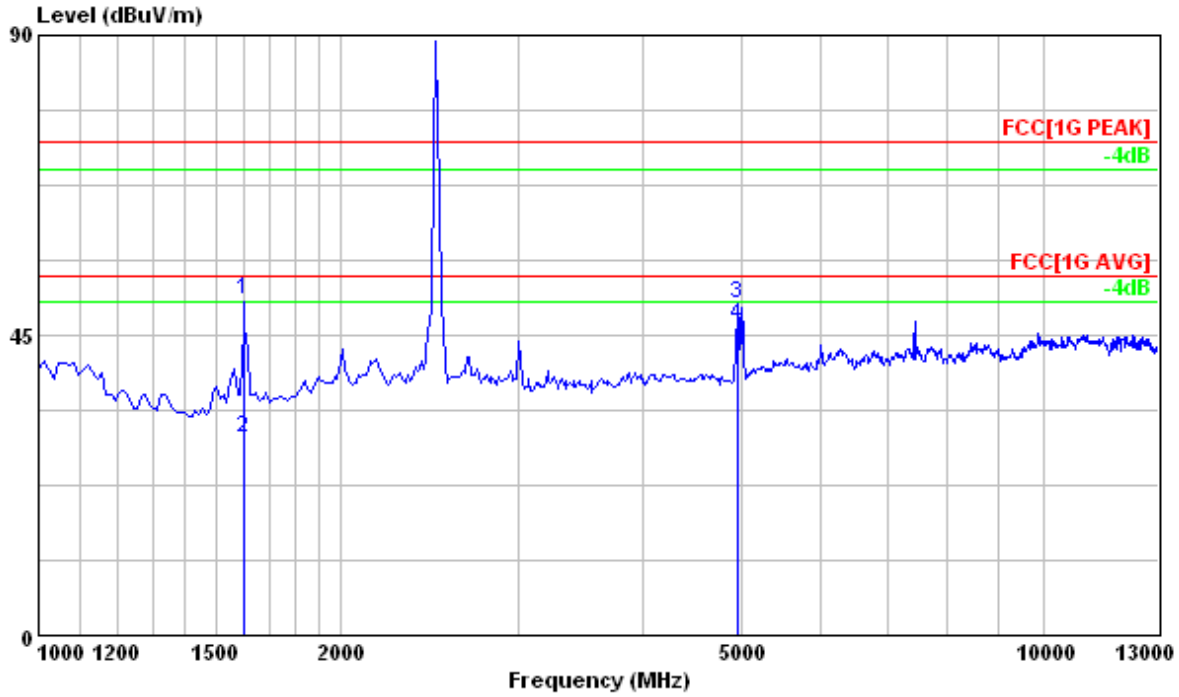
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1602.000	50.40	-33.33	83.73	74.00	-23.60	144	296	HORIZONTAL	Peak
2	1602.000	29.92	-33.33	63.25	54.00	-24.08	144	296	HORIZONTAL	Average
3	7341.375	32.87	-24.09	56.96	54.00	-21.13	172	344	HORIZONTAL	Average
4	7341.375	51.20	-24.09	75.29	74.00	-22.80	172	344	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous transmitting, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	1GHz ~ 25GHz



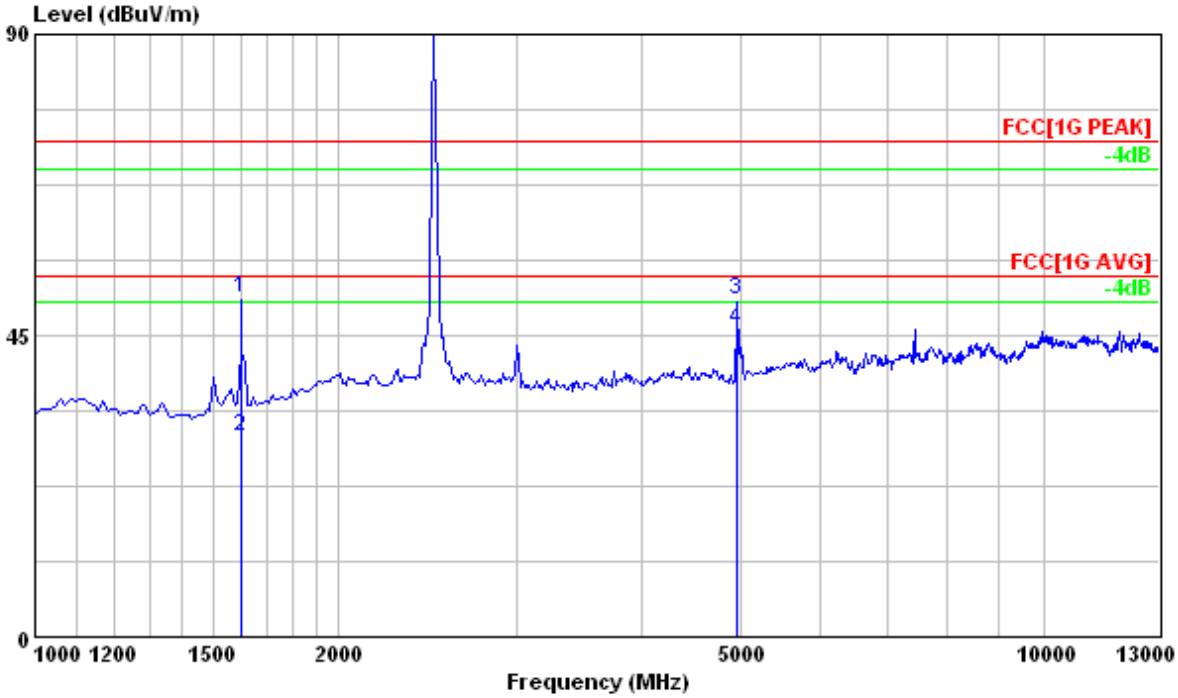
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1598.000	50.27	-33.37	83.64	74.00	-23.73	100	359	VERTICAL	Peak
2	1598.000	29.73	-33.37	63.10	54.00	-24.27	100	359	VERTICAL	Average
3	4961.675	49.64	-27.48	77.12	74.00	-24.36	100	93	VERTICAL	Peak
4	4961.675	46.51	-27.48	73.99	54.00	-7.49	100	93	VERTICAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	**:**	**Continuous transmitting, 2481MHz**			
Test Distance	**:**	3m	**Tester**	**:**	Bill
Polarization	**:**	Horizontal	**Frequency Range**	**:**	1GHz ~ 25GHz



	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1597.800	50.76	-33.37	84.13	74.00	-23.24	100	51	HORIZONTAL	Peak
2	1597.800	29.93	-33.37	63.30	54.00	-24.07	100	51	HORIZONTAL	Average
3	4961.650	50.35	-27.48	77.83	74.00	-23.65	124	319	HORIZONTAL	Peak
4	4961.650	45.93	-27.48	73.41	54.00	-8.07	124	319	HORIZONTAL	Average

Note:

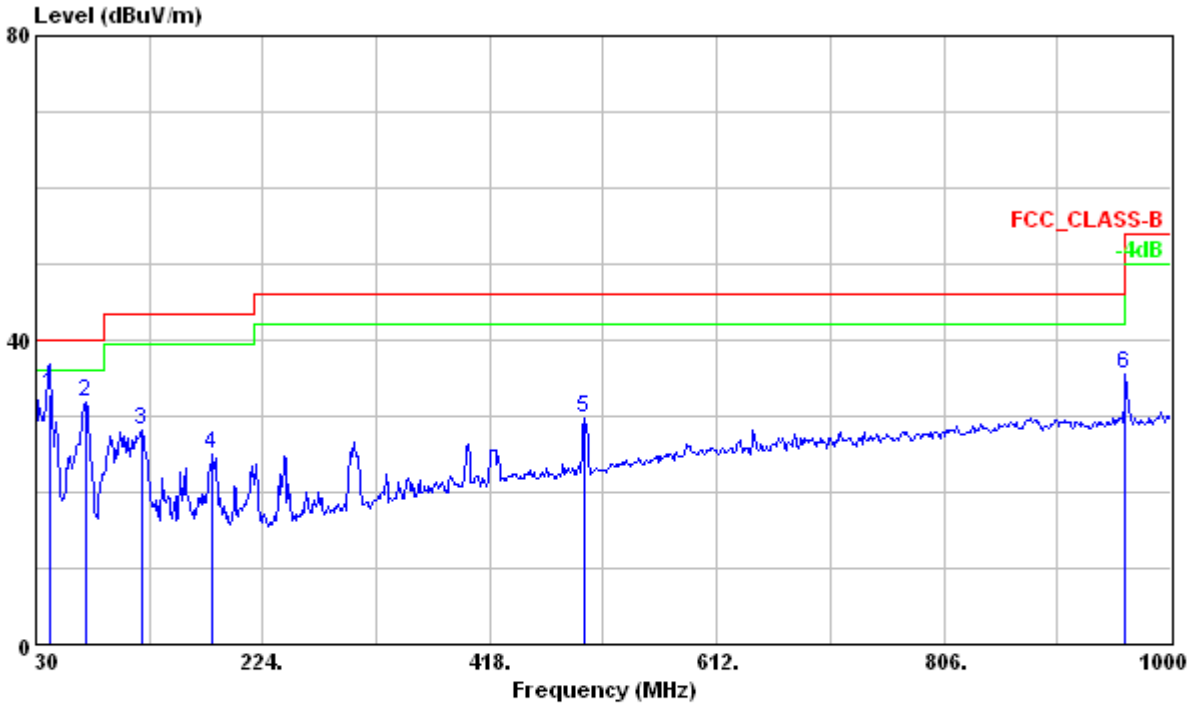
1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Receiver Radiated Emission Measurement

Below 1000MHz

Test Mode	:	**Continuous receiving, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

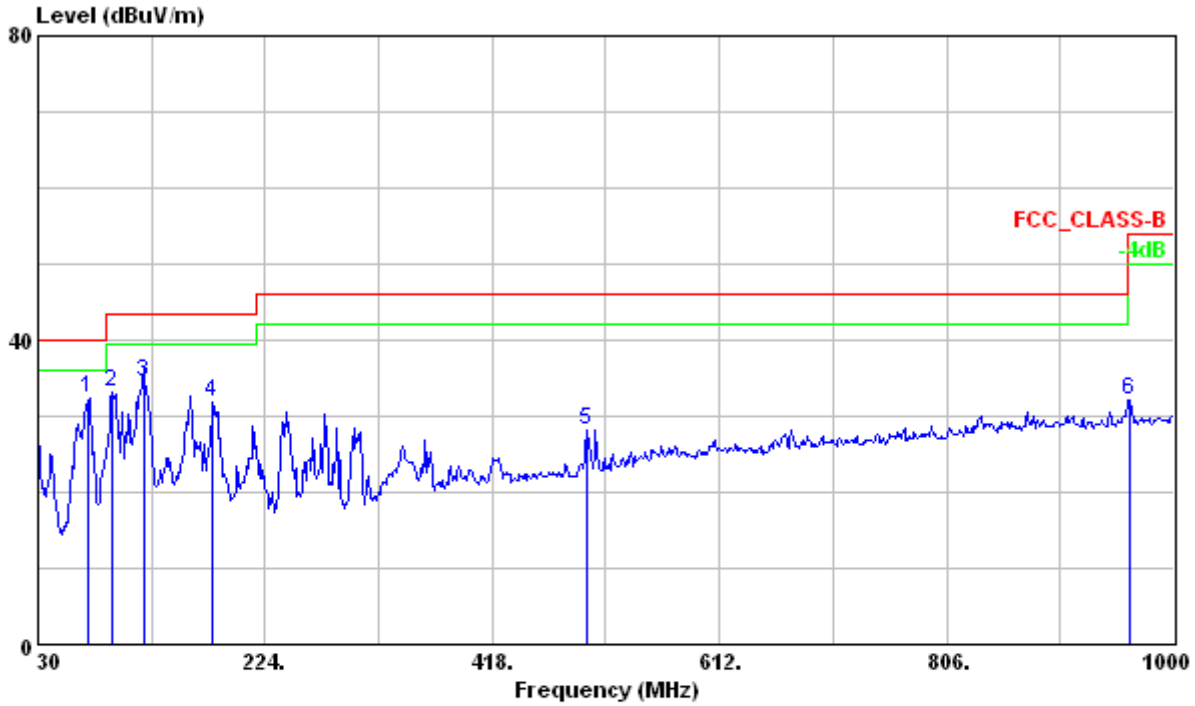


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1 @	41.340	32.85	-14.73	47.58	40.00	-7.15	100	180	VERTICAL	QP
2	72.390	31.74	-19.74	51.48	40.00	-8.26	---	---	VERTICAL	Peak
3	119.910	28.27	-19.46	47.73	43.50	-15.23	---	---	VERTICAL	Peak
4	180.660	25.04	-16.28	41.32	43.50	-18.46	---	---	VERTICAL	Peak
5	499.500	29.68	-7.18	36.86	46.00	-16.32	---	---	VERTICAL	Peak
6	960.800	35.52	-0.48	36.00	54.00	-18.48	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous receiving, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz

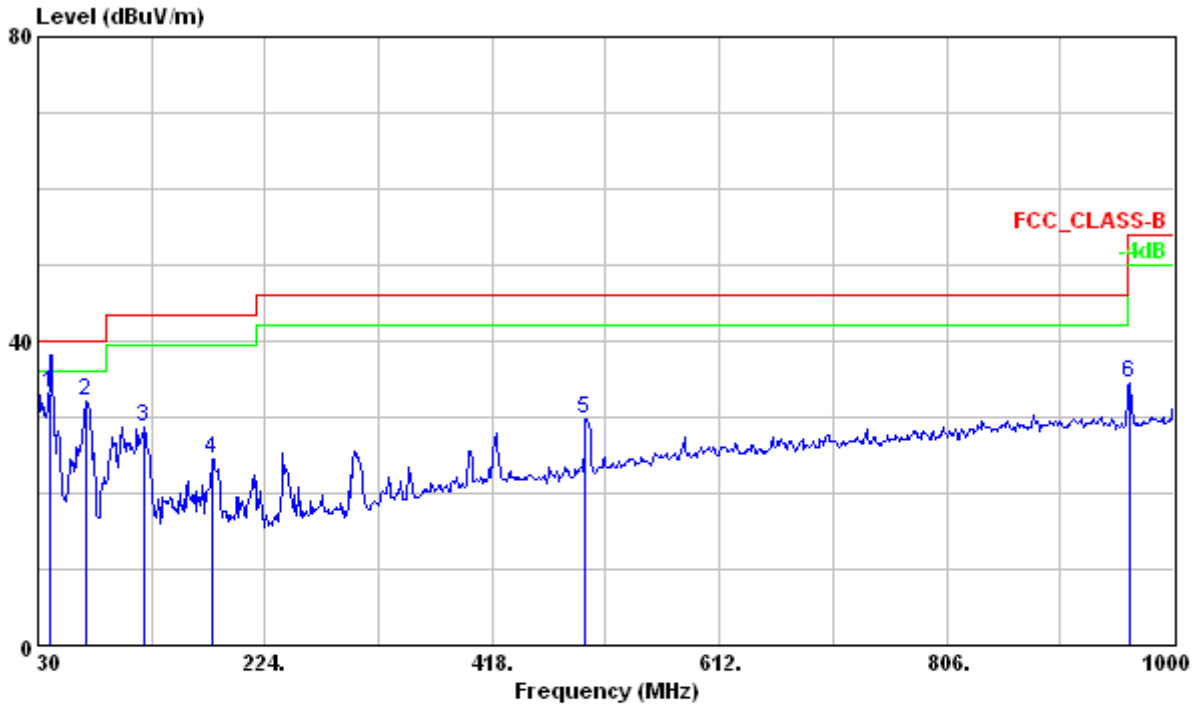


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	73.200	32.41	-19.75	52.16	40.00	-7.59	---	---	HORIZONTAL	Peak
2	93.450	33.10	-19.14	52.24	43.50	-10.40	---	---	HORIZONTAL	Peak
3	119.910	34.41	-19.46	53.87	43.50	-9.09	122	32	HORIZONTAL	QP
4	179.310	31.93	-16.33	48.26	43.50	-11.57	---	---	HORIZONTAL	Peak
5	499.500	28.26	-7.18	35.44	46.00	-17.74	---	---	HORIZONTAL	Peak
6	962.900	32.03	-0.46	32.49	54.00	-21.97	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous receiving, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

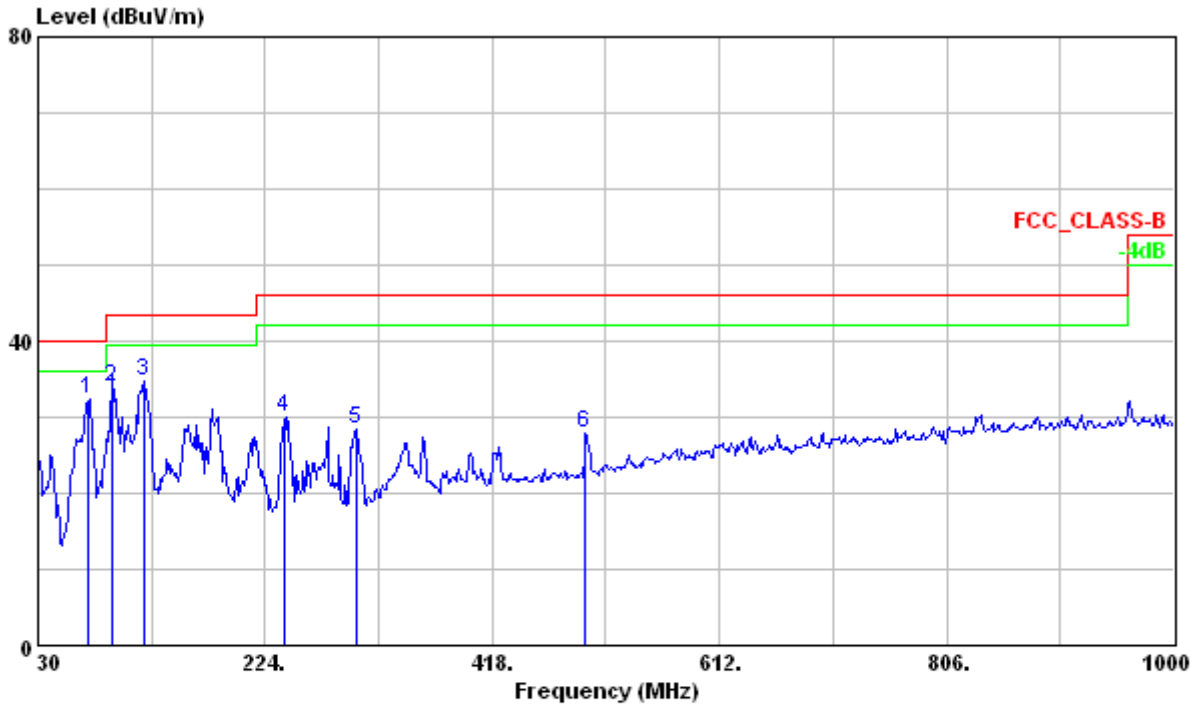


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1 @	40.530	33.06	-14.38	47.44	40.00	-6.94	100	212	VERTICAL	QP
2	71.040	32.23	-19.71	51.94	40.00	-7.77	---	---	VERTICAL	Peak
3	121.260	28.69	-19.44	48.13	43.50	-14.81	---	---	VERTICAL	Peak
4	179.310	24.58	-16.33	40.91	43.50	-18.92	---	---	VERTICAL	Peak
5	497.400	29.67	-7.22	36.89	46.00	-16.33	---	---	VERTICAL	Peak
6	962.900	34.35	-0.46	34.81	54.00	-19.65	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous receiving, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz

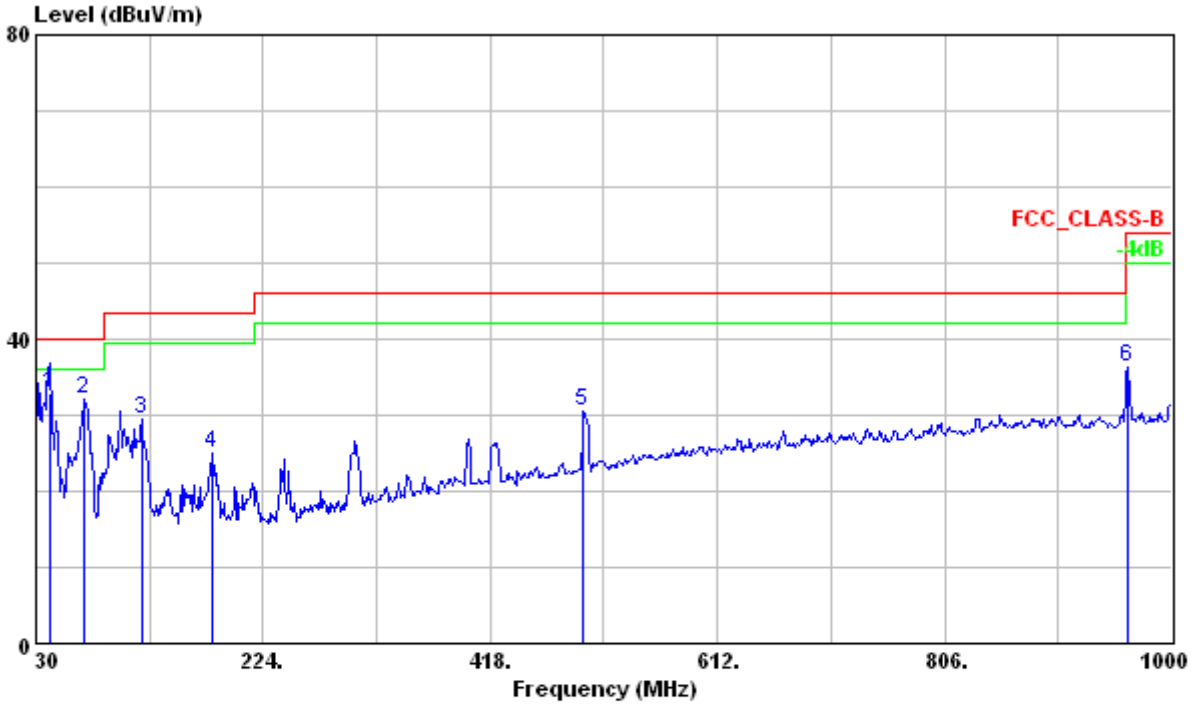


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	73.200	32.45	-19.75	52.20	40.00	-7.55	---	---	HORIZONTAL	Peak
2	93.450	33.86	-19.14	53.00	43.50	-9.64	158	66	HORIZONTAL	QP
3	119.910	34.81	-19.46	54.27	43.50	-8.69	---	---	HORIZONTAL	Peak
4	240.870	30.08	-14.30	44.38	46.00	-15.92	---	---	HORIZONTAL	Peak
5	301.400	28.30	-12.31	40.61	46.00	-17.70	---	---	HORIZONTAL	Peak
6	497.400	27.96	-7.22	35.18	46.00	-18.04	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous receiving, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	30MHz~1000MHz

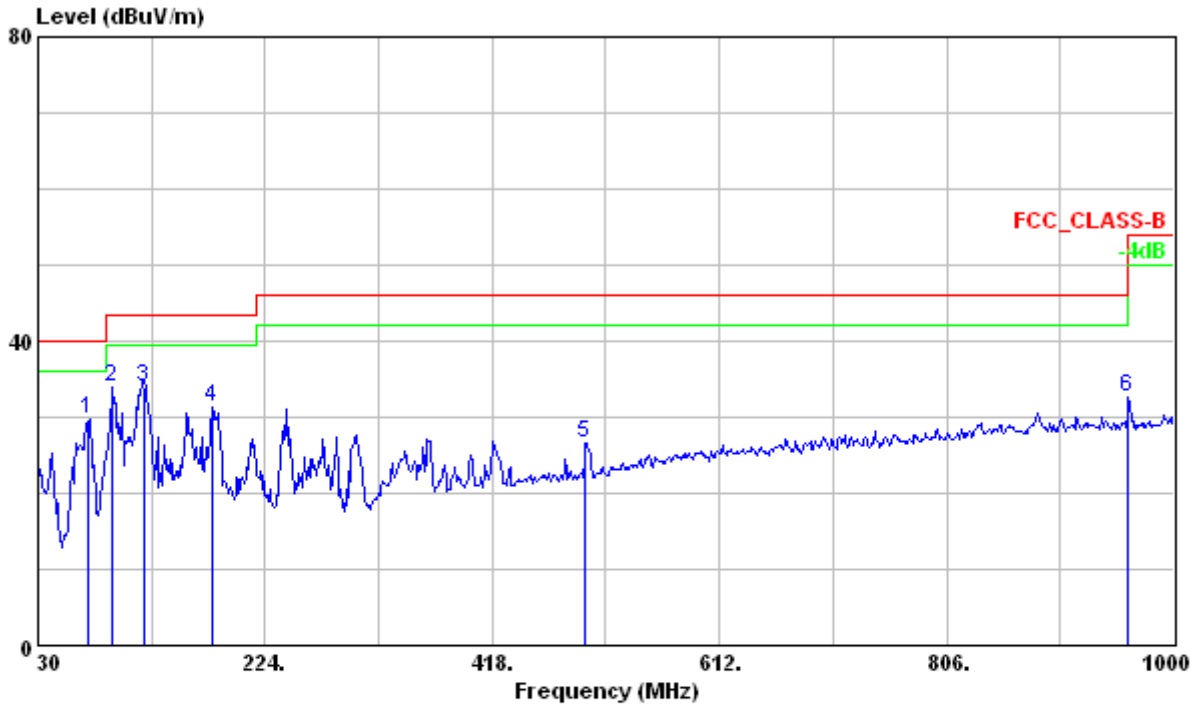


	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1 @	41.880	32.83	-14.96	47.79	40.00	-7.17	100	186	VERTICAL	QP
2	71.040	32.14	-19.71	51.85	40.00	-7.86	---	---	VERTICAL	Peak
3	119.910	29.60	-19.46	49.06	43.50	-13.90	---	---	VERTICAL	Peak
4	180.660	25.02	-16.28	41.30	43.50	-18.48	---	---	VERTICAL	Peak
5	497.400	30.54	-7.22	37.76	46.00	-15.46	---	---	VERTICAL	Peak
6	962.900	36.25	-0.46	36.71	54.00	-17.75	---	---	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Test Mode	:	**Continuous receiving, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	30MHz~1000MHz



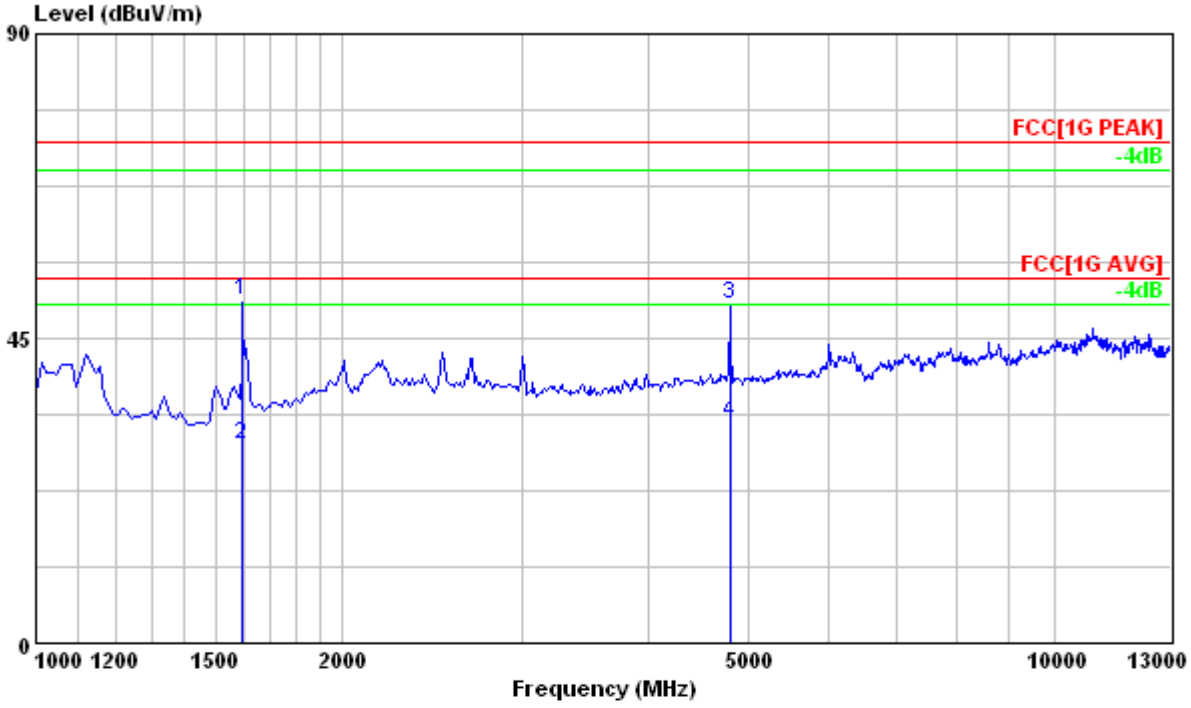
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	73.200	29.61	-19.75	49.36	40.00	-10.39	---	---	HORIZONTAL	Peak
2	93.450	34.07	-19.14	53.21	43.50	-9.43	---	---	HORIZONTAL	Peak
3	121.260	34.05	-19.44	53.49	43.50	-9.45	120	22	HORIZONTAL	QP
4	179.310	31.35	-16.33	47.68	43.50	-12.15	---	---	HORIZONTAL	Peak
5	497.400	26.70	-7.22	33.92	46.00	-19.30	---	---	HORIZONTAL	Peak
6	960.800	32.52	-0.48	33.00	54.00	-21.48	---	---	HORIZONTAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.
3. Q.P is abbreviation of quasi-peak.

Above 1000MHz

Test Mode	:	**Continuous receiving, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Vertical	**Frequency Range**	:	1GHz ~ 25GHz



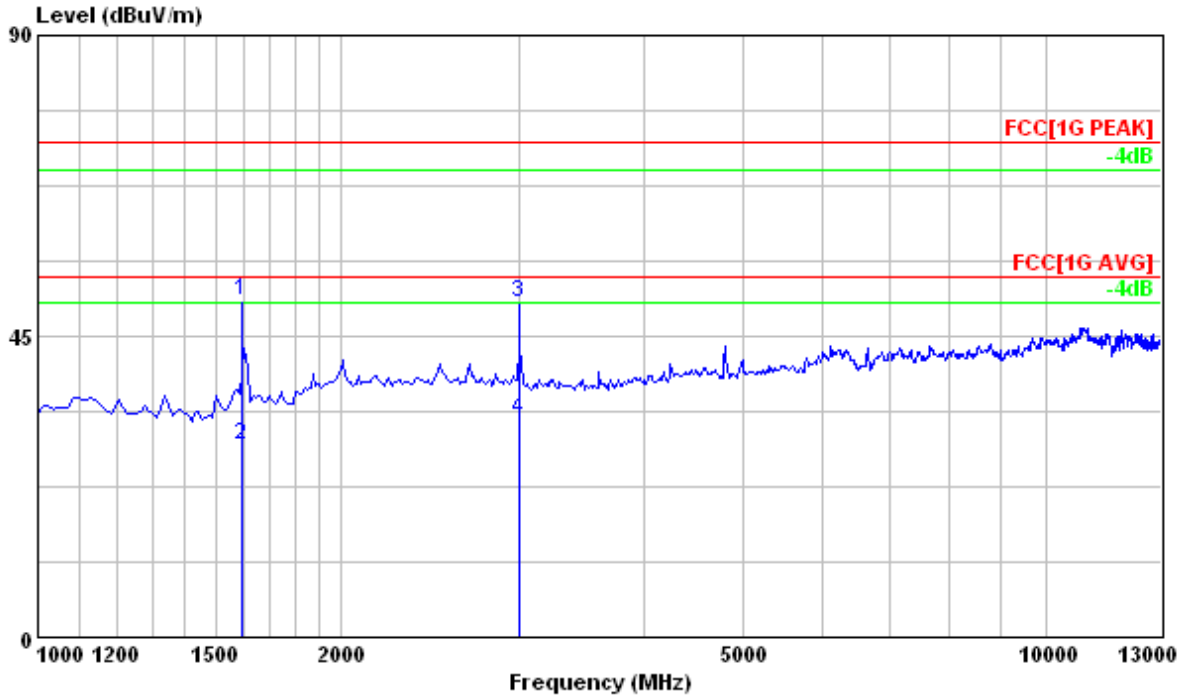
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1596.800	50.58	-33.38	83.96	74.00	-23.42	100	20	VERTICAL	Peak
2	1596.800	29.42	-33.38	62.80	54.00	-24.58	100	20	VERTICAL	Average
3	4804.200	50.18	-27.65	77.83	74.00	-23.82	106	276	VERTICAL	Peak
4	4804.200	32.63	-27.65	60.28	54.00	-21.37	106	276	VERTICAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous receiving, 2401MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	1GHz ~ 25GHz



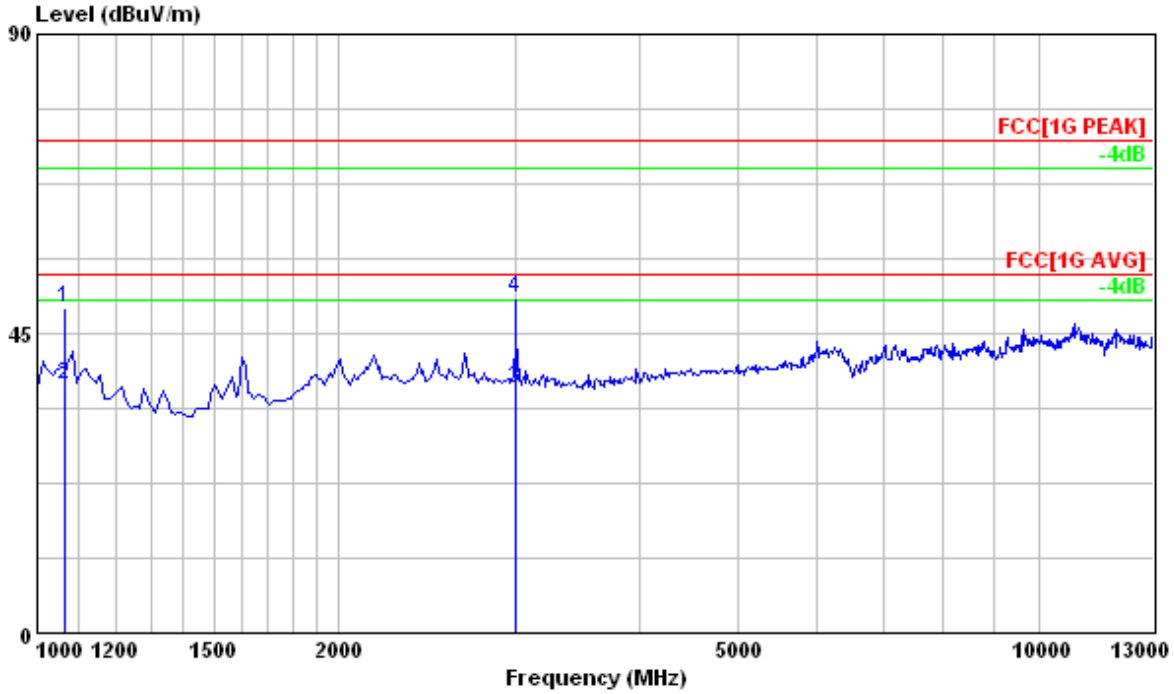
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1596.700	50.37	-33.38	83.75	74.00	-23.63	100	38	HORIZONTAL	Peak
2	1596.700	28.72	-33.38	62.10	54.00	-25.28	100	38	HORIZONTAL	Average
3	3000.200	50.16	-29.04	79.20	74.00	-23.84	122	200	HORIZONTAL	Peak
4	3000.200	32.51	-29.04	61.55	54.00	-21.49	122	200	HORIZONTAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	**:**	**Continuous receiving, 2447MHz**			
Test Distance	**:**	3m	**Tester**	**:**	Bill
Polarization	**:**	Vertical	**Frequency Range**	**:**	1GHz ~ 25GHz



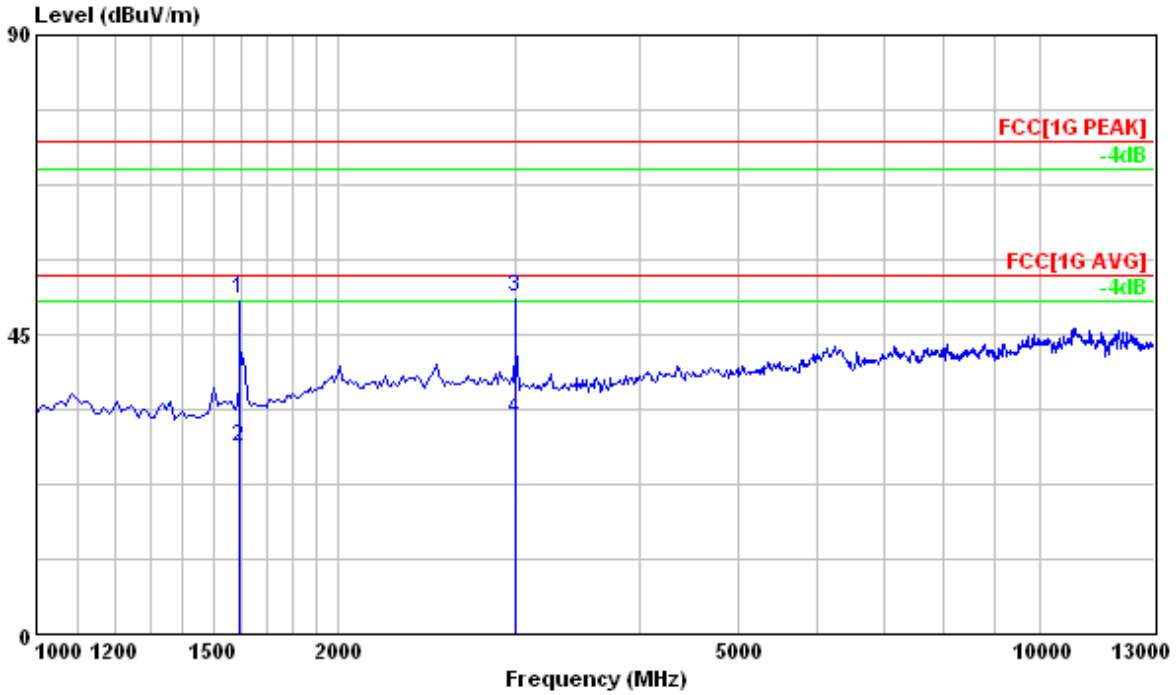
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1066.000	48.89	-34.40	83.29	74.00	-25.11	165	1	VERTICAL	Peak
2	1066.000	37.35	-34.40	71.75	54.00	-16.65	165	1	VERTICAL	Average
3	3000.100	36.64	-29.04	65.68	54.00	-17.36	142	1	VERTICAL	Average
4	3000.100	50.33	-29.04	79.37	74.00	-23.67	142	1	VERTICAL	Peak

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous receiving, 2447MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	1GHz ~ 25GHz



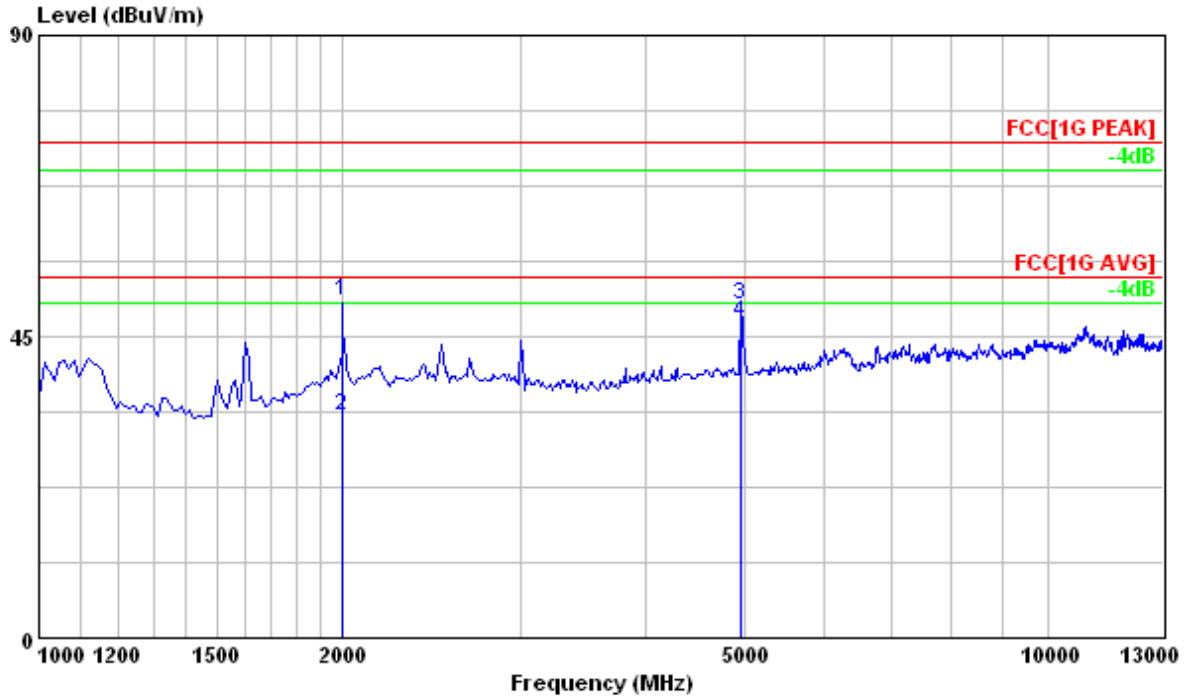
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1596.650	50.24	-33.38	83.62	74.00	-23.76	100	35	HORIZONTAL	Peak
2	1596.650	28.24	-33.38	61.62	54.00	-25.76	100	35	HORIZONTAL	Average
3	3000.150	50.63	-29.04	79.67	74.00	-23.37	123	312	HORIZONTAL	Peak
4	3000.150	32.19	-29.04	61.23	54.00	-21.81	123	312	HORIZONTAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	**:**	**Continuous receiving, 2481MHz**			
Test Distance	**:**	3m	**Tester**	**:**	Bill
Polarization	**:**	Vertical	**Frequency Range**	**:**	1GHz ~ 25GHz



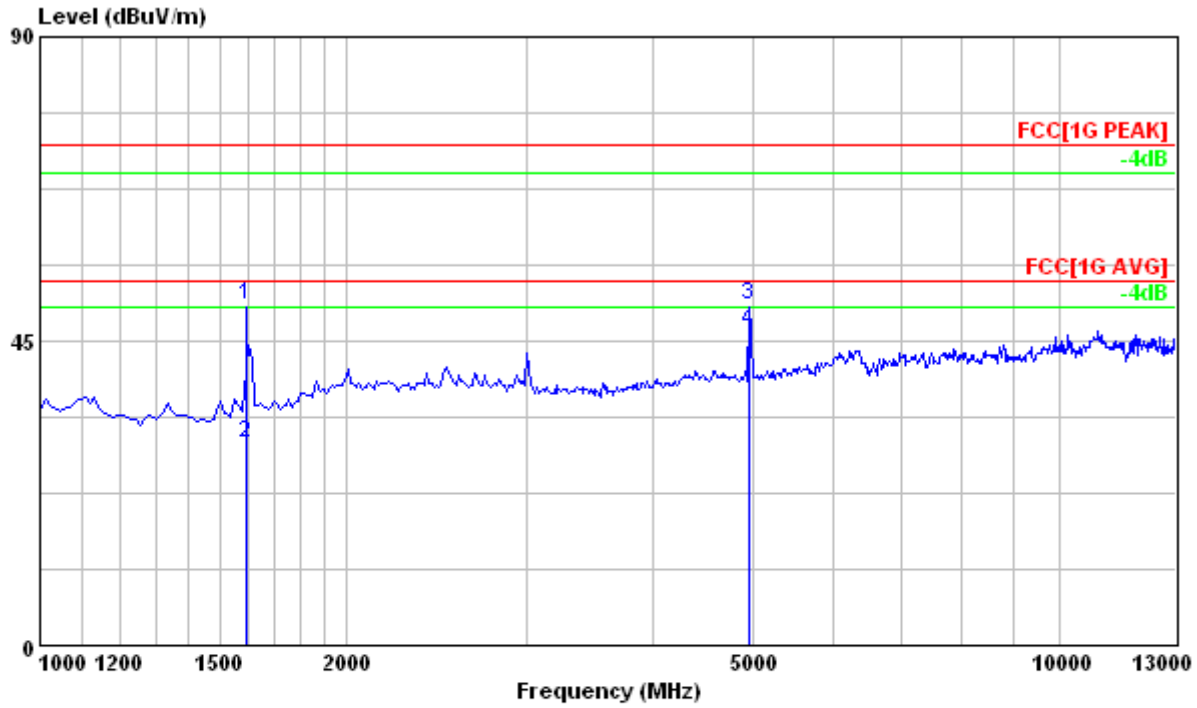
	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1996.625	50.26	-30.11	80.37	74.00	-23.74	100	47	VERTICAL	Peak
2	1996.625	33.25	-30.11	63.36	54.00	-20.75	100	47	VERTICAL	Average
3	4961.612	49.86	-27.48	77.34	74.00	-24.14	100	188	VERTICAL	Peak
4	4961.612	47.00	-27.48	74.48	54.00	-7.00	100	188	VERTICAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

Test Mode	:	**Continuous receiving, 2481MHz**			
Test Distance	:	3m	**Tester**	:	Bill
Polarization	:	Horizontal	**Frequency Range**	:	1GHz ~ 25GHz



	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Ant Pos	Table Pos	Pol/Phase	Remark
	MHz	dBuV/m	dB/m	dBuV	dBuV/m	dB	cm	deg		
1	1596.450	50.32	-33.38	83.70	74.00	-23.68	100	185	HORIZONTAL	Peak
2	1596.450	29.82	-33.38	63.20	54.00	-24.18	100	185	HORIZONTAL	Average
3	4961.800	50.27	-27.48	77.75	74.00	-23.73	100	67	HORIZONTAL	Peak
4	4961.800	46.46	-27.48	73.94	54.00	-7.54	100	67	HORIZONTAL	Average

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + antenna factor – gain of pre-amplifier.

No signal can be detected from 13GHz to 25GHz, so the graphs are omitted above 13GHz.

4 Occupied Bandwidth

Result: Pass

4.1 Applied Standard

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

4.2 Test Instruments

Test Site and Equipment	Manufacturer	Model No./ Serial No.	Last Calibration Date	Calibration Due Date
Spectrum Analyzer	Agilent	E4405B/ MY45106706	2010/3/25	2011/3/24
Test Site	N.A.	TR13	NCR	NCR

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR : No Calibration Required.

Instrument Setting

RBW	VBW	Detector	Trace	Comment
100kHz	300kHz	Sample	Maxhold	

Climatic Condition

Ambient Temperature：24°C; Relative Humidity ：55%

4.3 Measurement Procedure

a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage described in the user's manual supported by the manufacturer in test site.

b. Measure the 99% bandwidth by using the spectrum analyzer and following the test conditions described in RSS-Gen.

c. Record the frequency and bandwidth.

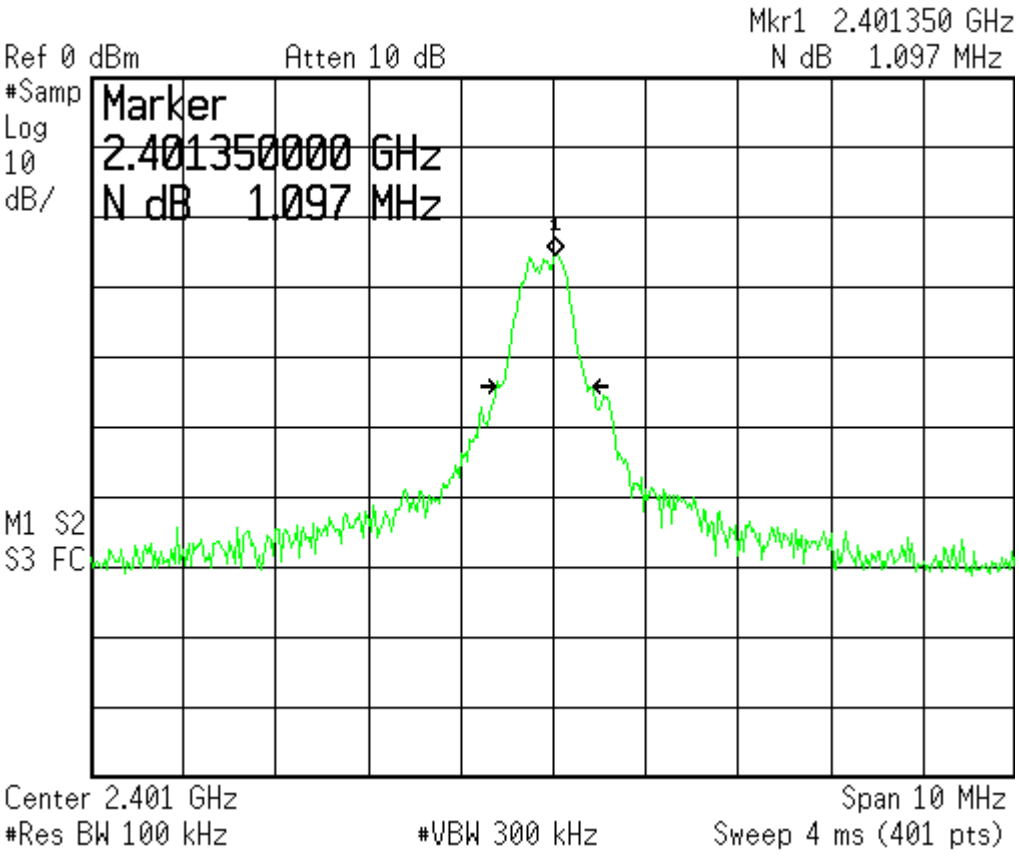
4.4 Test Configuration

4.5 Test Data

Test Mode **: Continuous transmitting, 2401MHz**

Tester **:** Bill

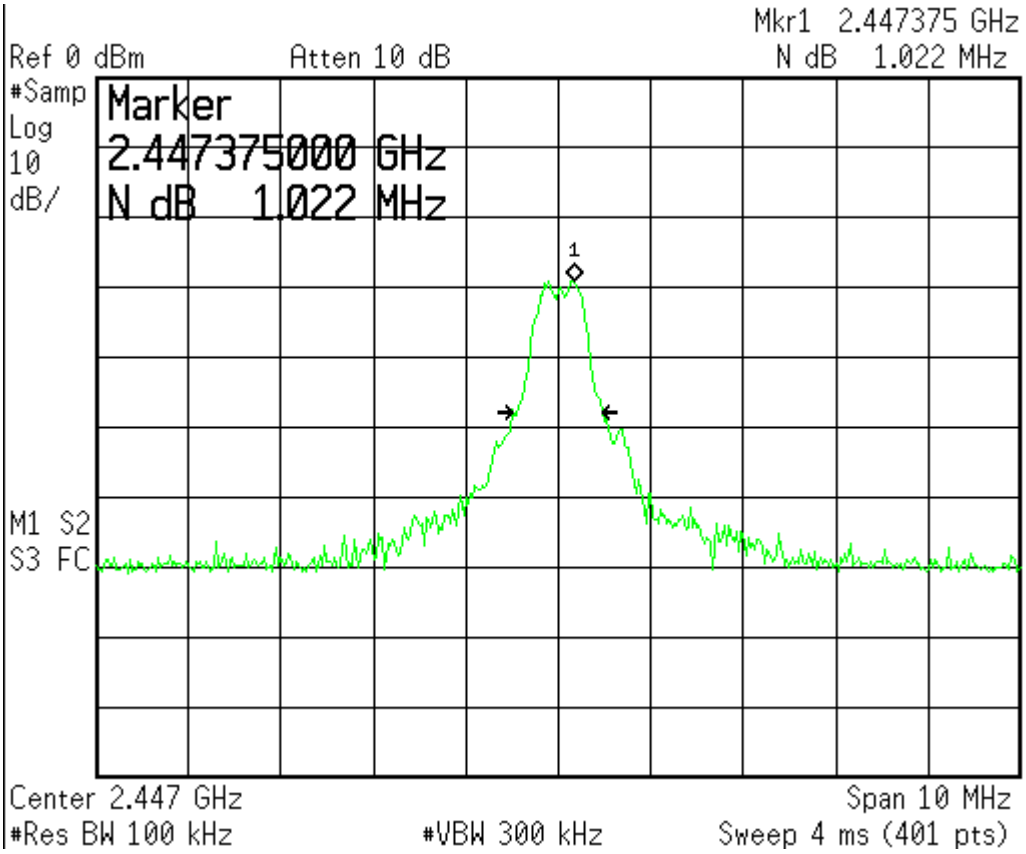
Operating Frequency (MHz)	Measured Valued (MHz)	Limit (kHz)
2401.35	1.097	—



Test Mode : **Continuous transmitting, 2447MHz**

Tester : Bill

Operating Frequency (MHz)	Measured Valued (MHz)	Limit (kHz)
2447.38	1.022	—



Test Mode : **Continuous transmitting, 2481MHz**

Tester : Bill

Operating Frequency (MHz)	Measured Valued (MHz)	Limit (kHz)
2481.33	0.997	—