



# FCC COMPLIANCE TEST REPORT

Technical Statement of Conformity  
in accordance with 47 CFR Part 15 Subpart C

## The product

**Equipment Under Test** : smartScanndy AutoID  
**Model Number** : smartScanndy 2  
**Product Series** : N/A  
**Report Number** : HA130548-FD  
**Issue Date** : 15-Oct-2013  
**Test Result** : Compliance

is produced by

**advanced PANMOBIL Systems GmbH & Co. KG**  
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**FCC Designation No.:** TW1071  
**TAF Accreditation No.:** 1163  
**VCCI Registration No.:** R-2156, C-2329, T-219

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# Test Result Certification

<b>Applicant</b>	: advanced PANMOBIL Systems GmbH & Co. KG
<b>Address of Applicant</b>	: Hansestrasse 91, D- 51149 Koeln, Germany
<b>Manufacturer</b>	: advanced PANMOBIL Systems GmbH & Co. KG
<b>Address of Manufacturer</b>	: Hansestrasse 91, D- 51149 Koeln, Germany
<b>Trade Name</b>	: N/A
<b>Equipment Under Test</b>	: smartScanndy AutOID
<b>Model Number</b>	: smartScanndy 2
<b>Product Series</b>	: N/A
<b>FCC ID</b>	: 2AACD-SMARTSCANNDY
<b>Filing Type</b>	: Certification
<b>Sample Received Date</b>	: 17-Sep-2013
<b>Test Standard</b>	:

FCC Part 15 Subpart C §15.247

**Deviations from standard test methods & any other specifications : NONE**

**Remark:**

1. This report details the results of the test carried out on one sample.
2. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.203, 15.207, 15.209, 15.247.
3. This report applies to the above sample only and shall not be reproduced in part without written approval of HongAn Technology Co., Ltd.

**Documented by:**

2013-11-29

Kay Wang/ ADM. Dept Staff

**Tested by:**

2013-10-09

Kidd Liao/ ENG. Dept. Staff

**Approved by:**

**Date:** 2013-11-29

Peter Chin / Section Manager

## Summary of Test Result

	<b>Test Item</b>	<b>Applicable Standard</b>	<b>Test Result</b>
1	Antenna Requirement	FCC part 15 subpart C §203	Compliance
2	Conducted limits	FCC part 15 subpart C §207	Compliance
3	Radiated emission limits	FCC part 15 subpart C §209	Compliance
4	Hopping Frequency Separation	FCC part 15 subpart C §247(a)(1)	Compliance
5	Number of Hopping Channels	FCC part 15 subpart C §247(a)(1)	Compliance
6	Average Time of Occupancy	FCC part 15 subpart C §247(a)(1)(iii)	Compliance
7	Peak Output Power	FCC part 15 subpart C §247(b)	Compliance
8	100kHz Bandwidth of Band Edges	FCC part 15 subpart C §247(d)	Compliance

## 1 General Description

### 1.1 Description of EUT

<b>Equipment Under Test</b>	:	smartScanndy AutoID							
<b>Model Number of EUT</b>	:	smartScanndy 2							
<b>Product Series</b>	:	N/A							
<b>Power Supply</b>	:	Input : USB 5 Vdc Li-ion Battery Pack Output : Input <u>3.6</u> Vdc, <u>1050</u> mAh.							
<b>Frequency Range</b>	:	2402~2480 MHz							
<b>Transmit Power</b>	:	2.61 dBm							
<b>Number of Channels</b>	:	79 Channels							
<b>Carrier Frequency of Each Channel</b>	:	00	2402	20	2422	40	2442	60	2462
		01	2403	21	2423	41	2443	61	2463
		02	2404	22	2424	42	2444	62	2464
		03	2405	23	2425	43	2445	63	2465
		04	2406	24	2426	44	2446	64	2466
		05	2407	25	2427	45	2447	65	2467
		06	2408	26	2428	46	2448	66	2468
		07	2409	27	2429	47	2449	67	2469
		08	2410	28	2430	48	2450	68	2470
		09	2411	29	2431	49	2451	69	2471
		10	2412	30	2432	50	2452	70	2472
		11	2413	31	2433	51	2453	71	2473
		12	2414	32	2434	52	2454	72	2474
		13	2415	33	2435	53	2455	73	2475
		14	2416	34	2436	54	2456	74	2476
		15	2417	35	2437	55	2457	75	2477
		16	2418	36	2438	56	2458	76	2478
		17	2419	37	2439	57	2459	77	2479
		18	2420	38	2440	58	2460	78	2480
		19	2421	39	2441	59	2461	-	-
<b>Antenna Specification</b>	:	Printed Antenna/ Gain: 1.8 dBi							
<b>Modulation Technique</b>	:	FHSS Bluetooth : GFSK Bluetooth EDR : π/4-DQPSK, 8-DPSK							
<b>Transmit Data Rate</b>	:	Bluetooth : 1Mbps Bluetooth EDR : 2/3 Mbps							



<b>Specification</b>	<p><b>Dimensions</b> : 115 mm (L) X 53 mm (W) X 30 mm (H) <b>Weight</b> : 90g : <b>Function</b> : The EUT is a barcode scanner, using BT as its wireless transmitting technology. ※For more detail specification, please refer to the User Manual.</p>
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## 1.2 Test Instruments

### 3.3.1. Instruments Used for Measurement

HA1

Instrument Name	Manufacture Mode	Model Number	Serial Number	Last Cal. Date	Next Cal. Date
RF Amplifier	AR	15S1G3	306578	11-AUG-2012	11-AUG-2013
EMI Receiver	R&S	ESCI	100615	03-MAR-2013	03-MAR-2014
Spectrum Analyzer	R&S	FSL6	100323	11-JUN-2012	11-JUN-2013
Spectrum Analyzer	Advantest	R3172	101202158	24-JUN-2012	24-JUN-2013
Preamplifier	WIRELESS	FPA-6592G	060009	09-JUL-2012	09-JUL-2013
Preamplifier	HD	HD17187	004	04-AUG-2012	04-AUG-2013
Bilog Antenna	TESEQ	CBL6111D	25769	03-MAR-2013	03-MAR-2014
Bilog Antenna	Schaffner	CBL6112B	2860	12-AUG-2012	12-AUG-2013
Double-Ridged Waveguide Horn	EMCO	3115	9912-5992	04-MAY-2013	04-MAY-2014
Temp. & Humidity Chamber	Giant Force	GTH-150-20-SP-AR	MMA0907-012	22-JUL-2012	22-JUL-2013

※ The test equipments used are calibrated and can be traced to National ITRI and International Standards.

### 1.3 Auxiliary Equipments

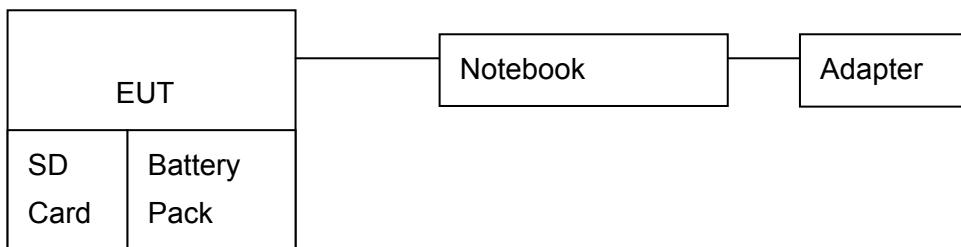
1.3.1. Provided by HongAn Technology Co., Ltd. for Emission Test.

No.	Equipment	Model No.	Serial No.	EMC Approved	Brand	Description	
						Data Cable	Power Cable
01	Notebook	N61J	N61JV-021A520M	CE, FCC, C-TICK N13219, BSMI R31018	ASUS	Adapter to Notebook Unshielded*1.8 m	AC to Adapter Unshielded*1.8 m

1.3.2. Provided by the Manufacturer

No.	Equipment	Model No.	Serial No.	EMC Approved	Brand	Description	
						Data Cable	Power Cable
01	MicroSD Card	MM8GR01GJCCA-MGI	F0230000050	CE	Transcend	N/A	N/A

### 1.4 EUT SETUP



Note: Main Test Sample: smartScannndy 2

### 1.5 Identifying the Final Test Mode

1. Mode 1: TX BT mode (1Mbps) CH 00.
2. Mode 2: TX BT mode (1Mbps) CH 39.
3. Mode 3: TX BT mode (1Mbps) CH 78.
4. Mode 4: TX BT EDR mode (2Mbps) CH 00.
5. Mode 5: TX BT EDR mode (2Mbps) CH 39.
6. Mode 6: TX BT EDR mode (2Mbps) CH 78.
7. Mode 7: TX BT EDR mode (3Mbps) CH 00.
8. Mode 8: TX BT EDR mode (3Mbps) CH 39.
9. Mode 9: TX BT EDR mode (3Mbps) CH 78.
10. Mode 10: RX mode.

Note:

1. To access into different Bluetooth modes, the EUT is connected to Notebook through USB cable. Notebook executes PUTTY testing program to control the Bluetooth function.
2. EUT has been evaluated placing in all three orthogonal directions. In horizontal position, the EUT

was most likely to cause maximum unwanted disturbance. Therefore, the final assessments were performed in horizontal position.

3. After pre-test, we identified that the Mode 9 (the worst case) was most likely to cause maximum unwanted disturbance on 30~1GHz. Mode 10 (the worst case) was most likely to cause maximum unwanted disturbance on 1~26.5 GHz. Therefore, the Final Assessments were performed for the worst cases, respectively. All pre-test data show at appendix.
4. Channel Low (2402 MHz), Mid (2441 MHz) and High (2480 MHz) were chosen for full testing.
5. According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

Remark:

The EUT could perform scanning function through USB connection. In real world, however, when using USB mode, Bluetooth function will be disabled. In other words, Bluetooth function could only work when powering by battery.

## 1.6 Final Test Mode

1. Radiated Emission (30~960MHz): Mode 9.
2. Radiated Emission (above 960MHz): Mode 10.
3. Conducted Emission: Mode 5.

## 1.7 Condition of Power Supply

DC 3.6 V, 1050 mAh (Li-ion battery pack)

## 1.8 EUT Configuration

1. Setup the EUT as shown in Sec.1.4 Block Diagram.
2. Turn on the power of all equipments.
3. Activate the selected Final Test Mode.

## 1.9 Test Methodology

The tests documented in this report were performed in accordance with ANSI C63.4 (2009) and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.203, 15.207, 15.209 and 15.247.

## 1.10 General Test Procedures

### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.3 of ANSI C63.4 (2009) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and average detector modes.

### Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was

to be maximized by changing the polarization of receiving antenna both horizontal and vertical. The EUT was designed to be mounted on back of front seat, according to the requirements in Section 13.4.1 of ANSI C 63.4 (2009), only one axe of the EUT has to be measured.

## 1.11 Modification

N/A

## 1.12 FCC Part 15.205 restricted bands of operations

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 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
8.37635-8.38675	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	( <sup>2</sup> )
13.36-13.41			

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

<sup>2</sup> Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

## 1.13 Qualification of Test Facility

<b>BSMI Certificate No.</b>	: SL2-IS-E-0023, SL2-IN-E-0023, SL2-R1-E-0023, SL2-R2-E-0023, SL2-A1-E-0023, SL2-L1-E-0023.
<b>FCC Designation No.</b>	: TW1071
<b>TAF Accreditation No.</b>	: 1163
<b>VCCI Certificate No.</b>	: R-2156, C-2329, T-219

## 2 Power line Conducted Emission Measurement

### 2.1 Test Instruments

Refer to Sec. 1.2 Test Instruments.

### 2.2 Test Arrangement and Procedure

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

### 2.3 Limit (§ 15.207)

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency (MHz)	Limits (dBuV)	
	Q.P. (Quasi-Peak)	A.V. (Average)
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### 2.4 Test Result

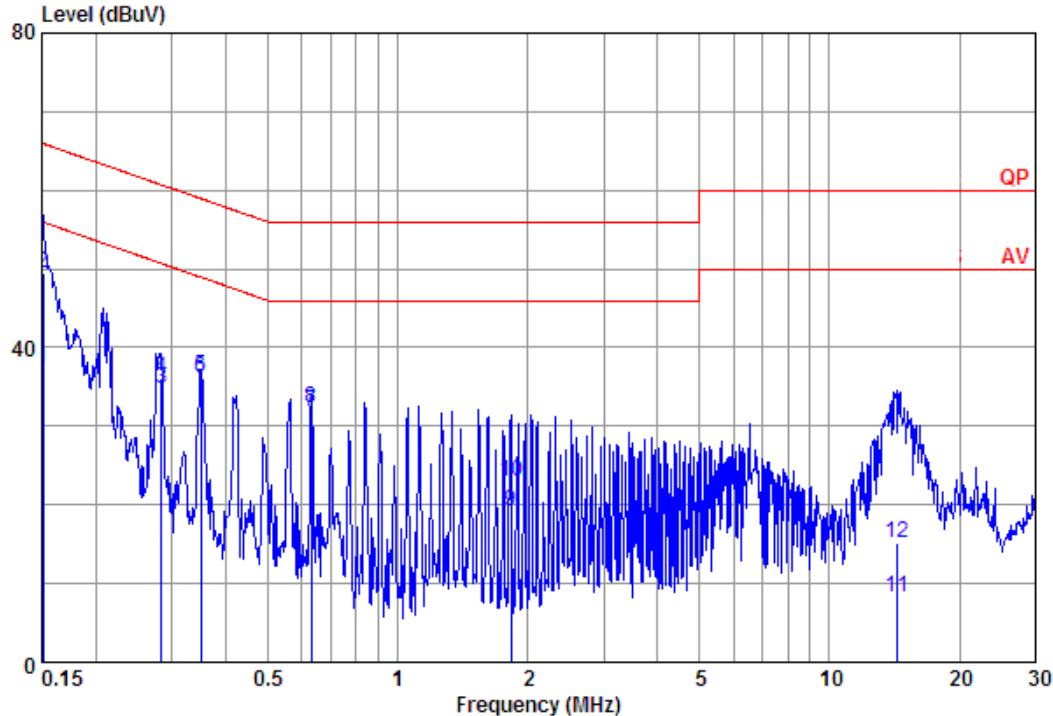
N/A.

#### Compliance

The final test data are shown on the following page(s).

**Conducted Emission Test Data**

Test Date : 2013-11-08 Power Line : Line  
Temperature : 26°C Humidity : 33%

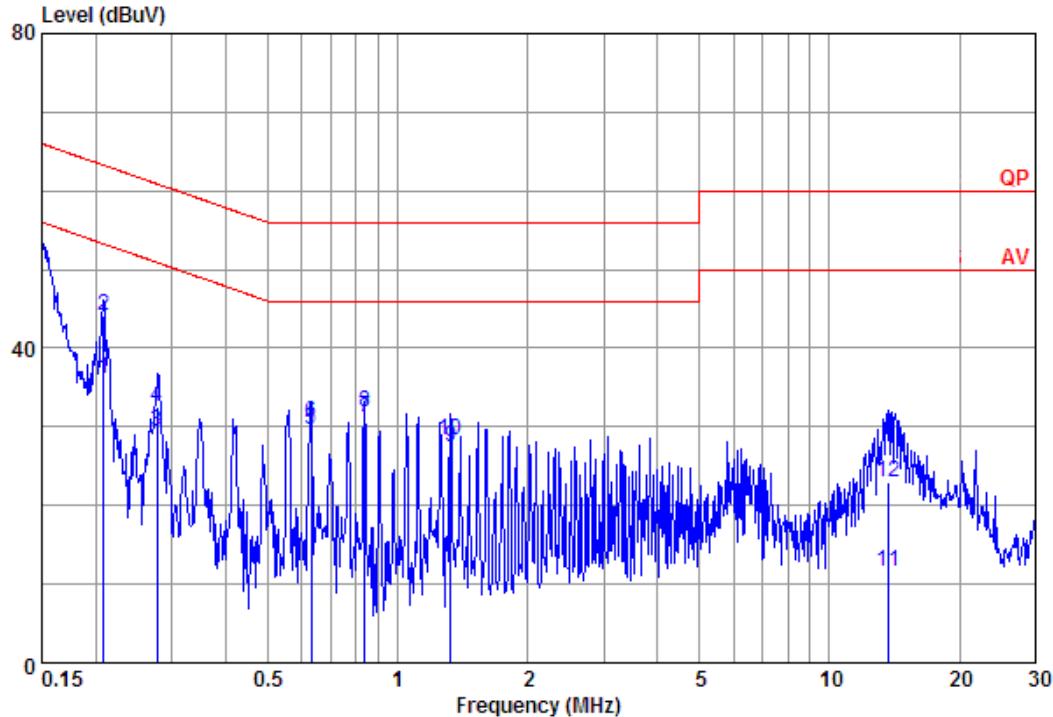


	Freq	Reading	C.F	Result	Limit	Margin	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.151	37.27	0.10	37.37	55.96	-18.59	Average
2	0.151	49.34	0.10	49.44	65.96	-16.52	QP
3	0.283	34.39	0.41	34.80	50.72	-15.92	Average
4	0.283	35.72	0.41	36.13	60.72	-24.59	QP
5	*	36.03	0.22	36.25	48.96	-12.71	Average
6	0.350	35.90	0.22	36.12	58.96	-22.84	QP
7	0.630	31.85	0.10	31.95	46.00	-14.05	Average
8	0.630	32.27	0.10	32.37	56.00	-23.63	QP
9	1.829	19.00	0.14	19.14	46.00	-26.86	Average
10	1.829	22.90	0.14	23.04	56.00	-32.96	QP
11	14.288	7.38	0.76	8.14	50.00	-41.86	Average
12	14.288	14.46	0.76	15.22	60.00	-44.78	QP

Remark : All readings are Quasi-Peak and Average values.

**Conducted Emission Test Data**

Test Date : 2013-11-08 Power Line : Neutral  
Temperature : 26°C Humidity : 33%



	Freq	Reading	C.F	Result	Limit	Margin	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.208	35.93	0.10	36.03	53.27	-17.24	Average
2	0.208	43.98	0.10	44.08	63.27	-19.19	QP
3	0.277	29.25	0.09	29.34	50.90	-21.56	Average
4	0.277	32.48	0.09	32.57	60.90	-28.33	QP
5	0.630	29.57	0.09	29.66	46.00	-16.34	Average
6	0.630	30.39	0.09	30.48	56.00	-25.52	QP
7	* 0.839	31.11	0.10	31.21	46.00	-14.79	Average
8	0.839	31.73	0.10	31.83	56.00	-24.17	QP
9	1.324	27.29	0.11	27.40	46.00	-18.60	Average
10	1.324	28.22	0.11	28.33	56.00	-27.67	QP
11	13.623	10.89	0.75	11.64	50.00	-38.36	Average
12	13.623	22.09	0.75	22.84	60.00	-37.16	QP

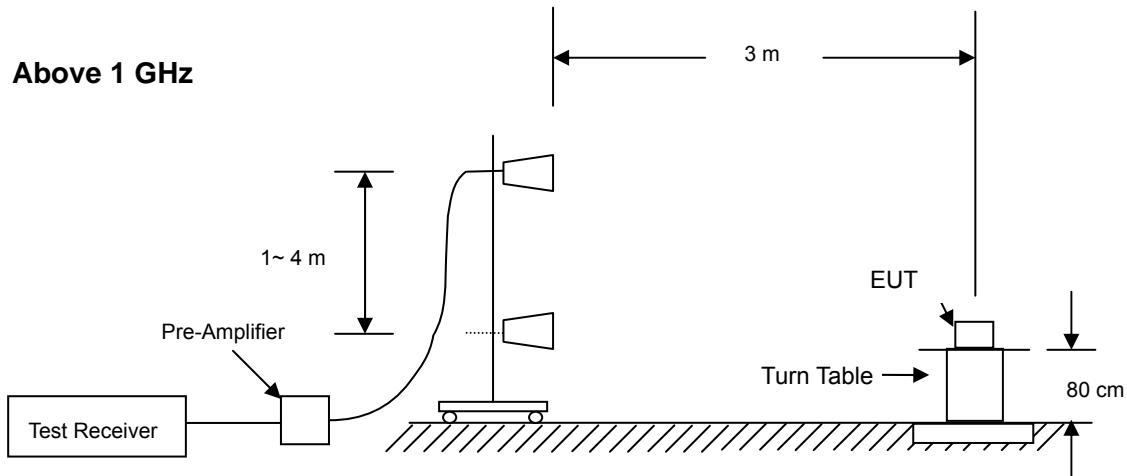
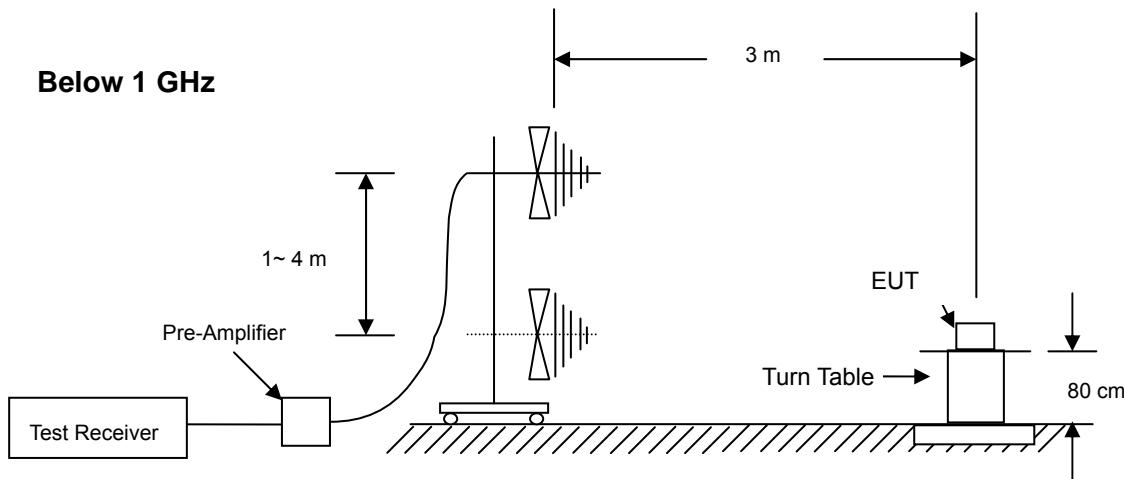
Remark : All readings are Quasi-Peak and Average values.

### 3 Radiated Emission Test

#### 3.1 Test Instruments

Refer to Sec. 1.2 Test Instruments.

#### 3.2 Test Arrangement and Procedure



1. The EUT is placed on a turntable, which is 0.8 m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:
  - (a) Below 1 GHz: RBW = 100 kHz/ VBW = 1 MHz/ Sweep = AUTO.
  - (b) Above 1 GHz: Peak: RBW = VBW = 1MHz/ Sweep = AUTO; Average: RBW = 1MHz/ VBW =

10Hz/ Sweep = AUTO.

7. Repeat above procedures until the measurements for all frequencies are complete.

### 3.3 Limit (§ 15.205 & § 15.209)

#### 3.3.1. Limit of Restricted Band of Operation (§ 15.205)

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

Frequency Band			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 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	
13.36-13.41			

### 3.3.2. Limit of Spurious Emission (§ 15.209)

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 lesser attenuation.

Frequency (MHz)	Field strength (microvolts/ meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g §§ 15.231 and 15.241.

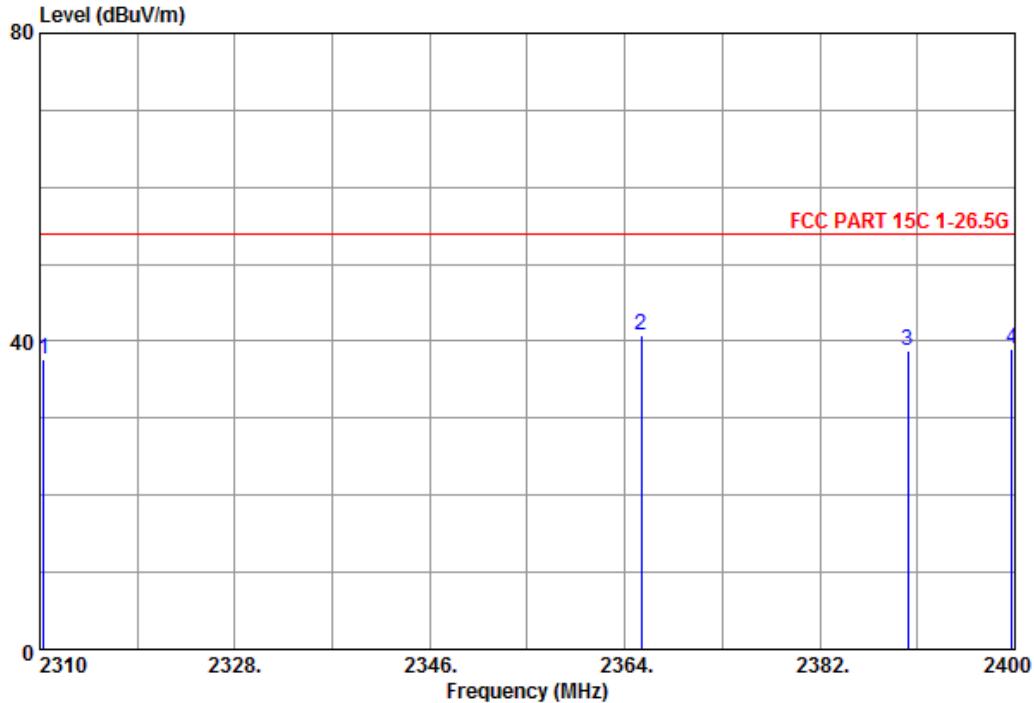
## 3.4 Test Result

### Compliance

The final test data are shown on the following page(s).

### Radiated Emission Test Data (Restricted Band Edge)

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 1



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2310.360	45.48	-7.88	37.60	54.00	-16.40	---	---	
2 @2365.530	48.41	-7.74	40.67	54.00	-13.33	---	---	
3 2390.100	46.31	-7.63	38.68	54.00	-15.32	---	---	
4 2399.730	46.56	-7.63	38.93	54.00	-15.07	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ :Maximum Data    x :Over limit

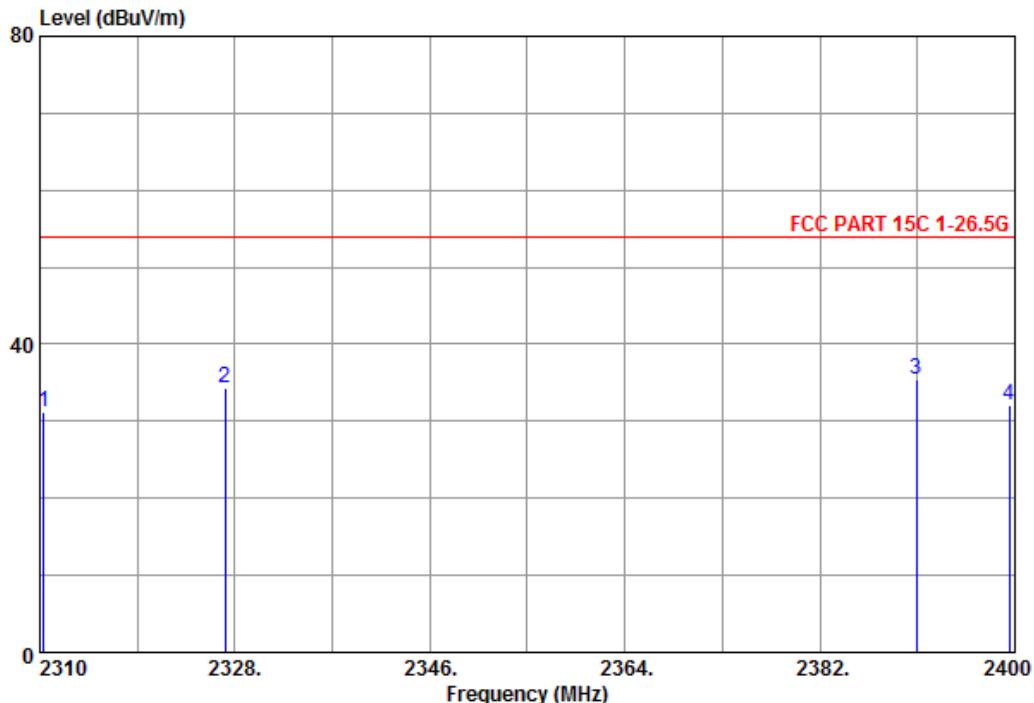
Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Restricted Band Edge)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 1

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 00



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2310.360	39.03	-7.88	31.15	54.00	-22.85	---	---	
2 2327.100	42.11	-7.84	34.27	54.00	-19.73	---	---	
3 @2390.910	43.11	-7.63	35.48	54.00	-18.52	---	---	
4 2399.500	39.65	-7.63	32.02	54.00	-21.98	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

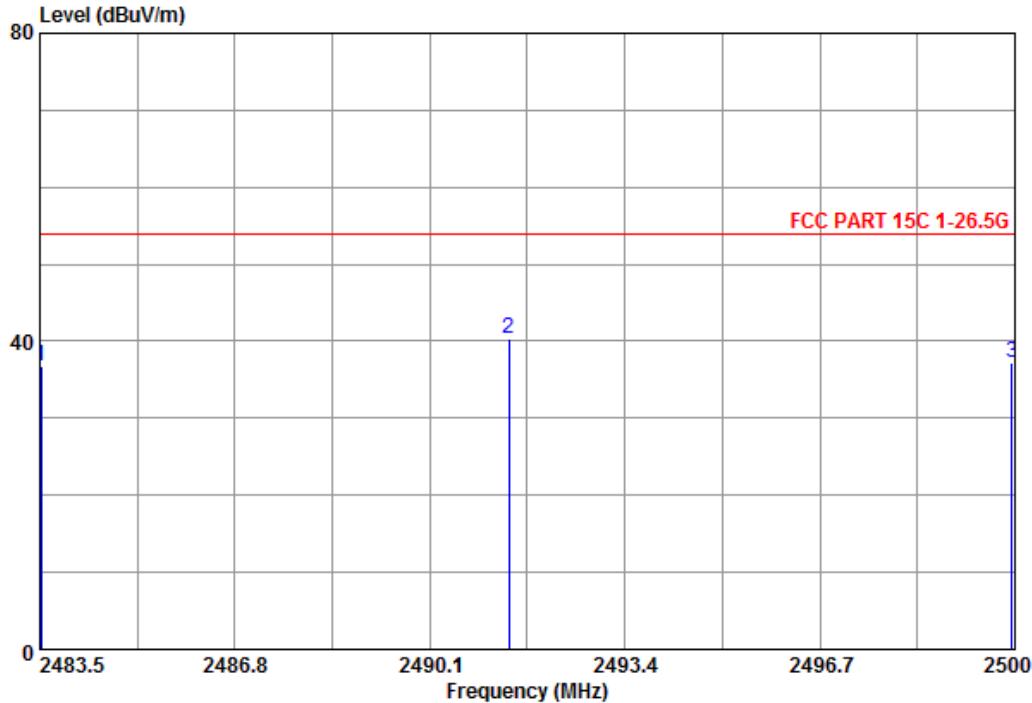
@ : Maximum Data x : Over limit

Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 78
Test Mode	: Mode 3		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.517	44.17	-7.39	36.78	54.00	-17.22	---	---	
2 @2491.437	47.66	-7.33	40.33	54.00	-13.67	---	---	
3 2499.950	44.47	-7.33	37.14	54.00	-16.86	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

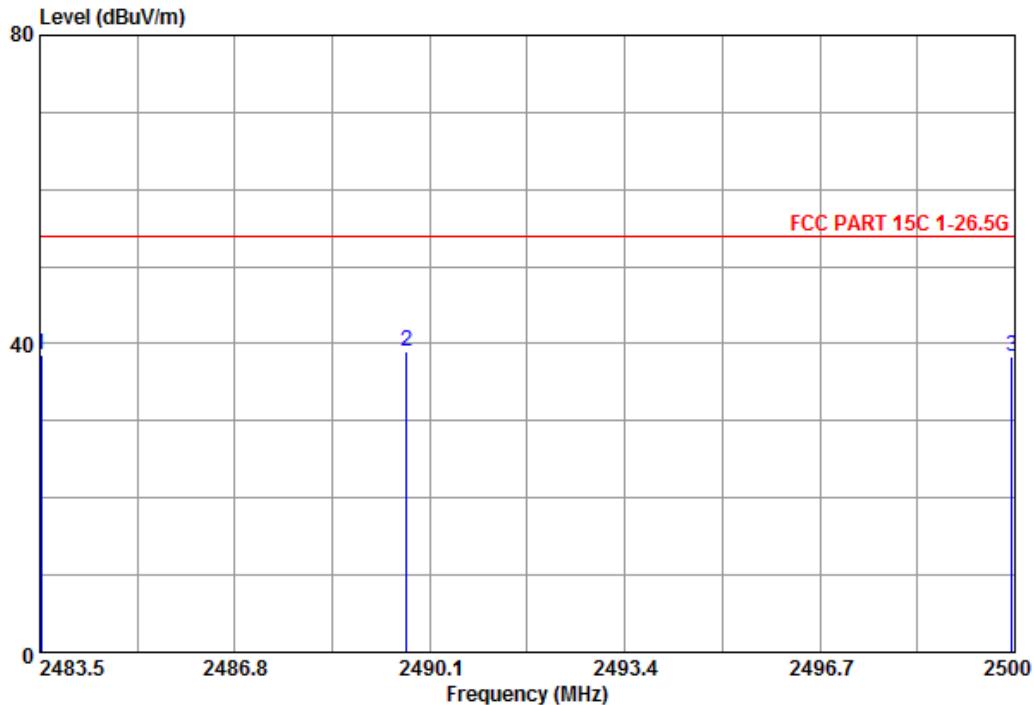
@ :Maximum Data      x :Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Vertical	Channel	: 78
Test Mode	: Mode 3		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.517	45.91	-7.39	38.52	54.00	-15.48	---	---	
2 2489.704	46.38	-7.33	39.05	54.00	-14.95	---	---	
3 2499.950	45.77	-7.33	38.44	54.00	-15.56	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

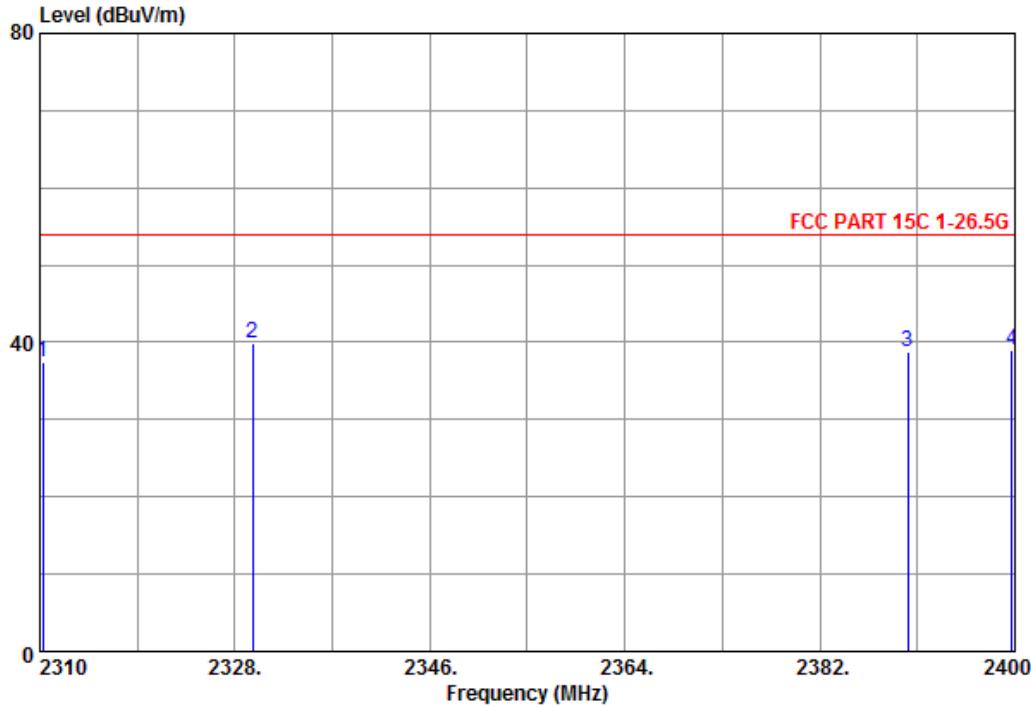
@ : Maximum Data      x : Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 00
Test Mode	: Mode 4		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 2310.270	45.36	-7.88	37.48	54.00	-16.52	---	---	
2 @2329.620	47.73	-7.84	39.89	54.00	-14.11	---	---	
3 2390.100	46.31	-7.63	38.68	54.00	-15.32	---	---	
4 2399.730	46.56	-7.63	38.93	54.00	-15.07	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

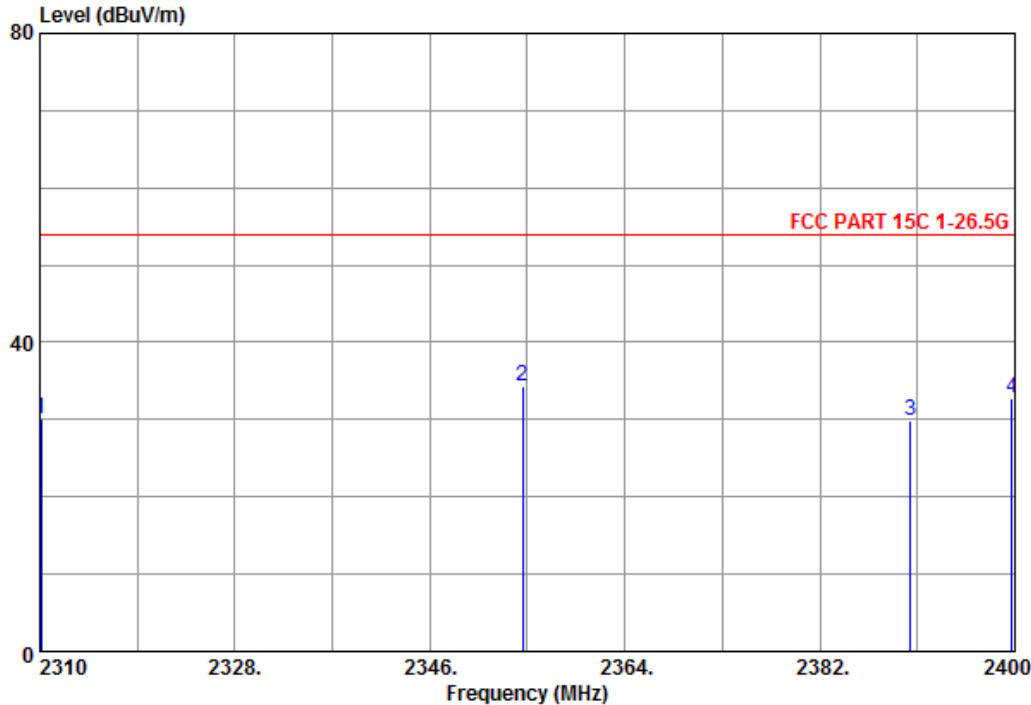
@ :Maximum Data x :Over Limit

#### Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Vertical	Channel	: 00
Test Mode	: Mode 4		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2310.090	38.04	-7.88	30.16	54.00	-23.84	---	---	
2 @2354.550	41.95	-7.74	34.21	54.00	-19.79	---	---	
3 2390.370	37.52	-7.63	29.89	54.00	-24.11	---	---	
4 2399.730	40.36	-7.63	32.73	54.00	-21.27	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

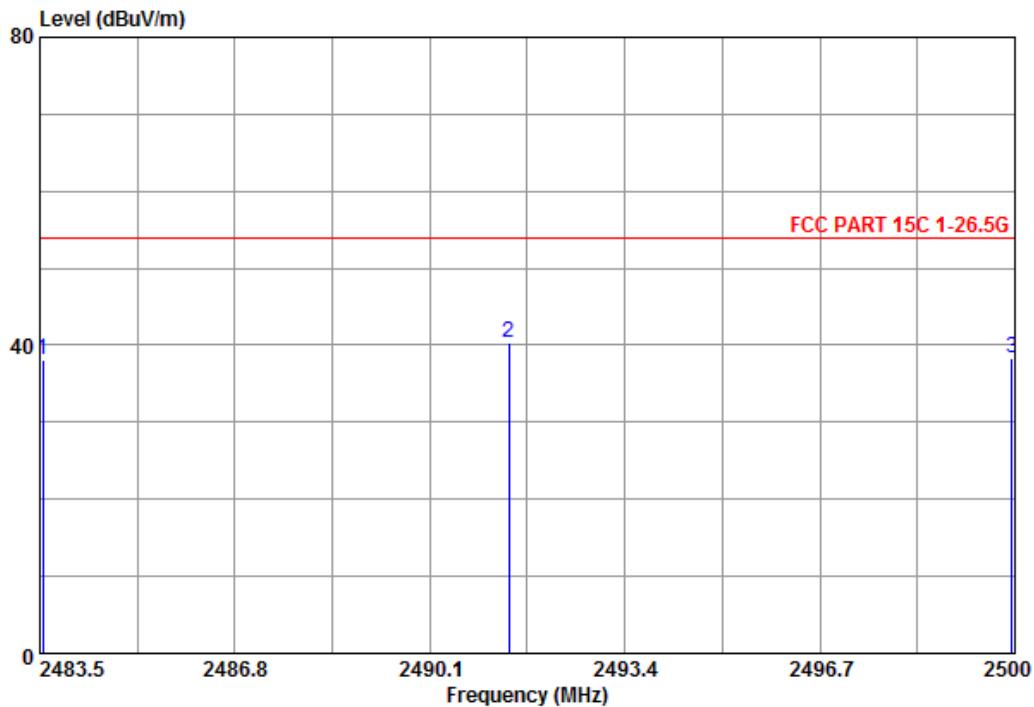
@ :Maximum Data      x :Over Limit

#### Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 78  
Test Mode : Mode 6



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.550	45.59	-7.39	38.20	54.00	-15.80	---	---	
2 @2491.437	47.66	-7.33	40.33	54.00	-13.67	---	---	
3 2499.950	45.75	-7.33	38.42	54.00	-15.58	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

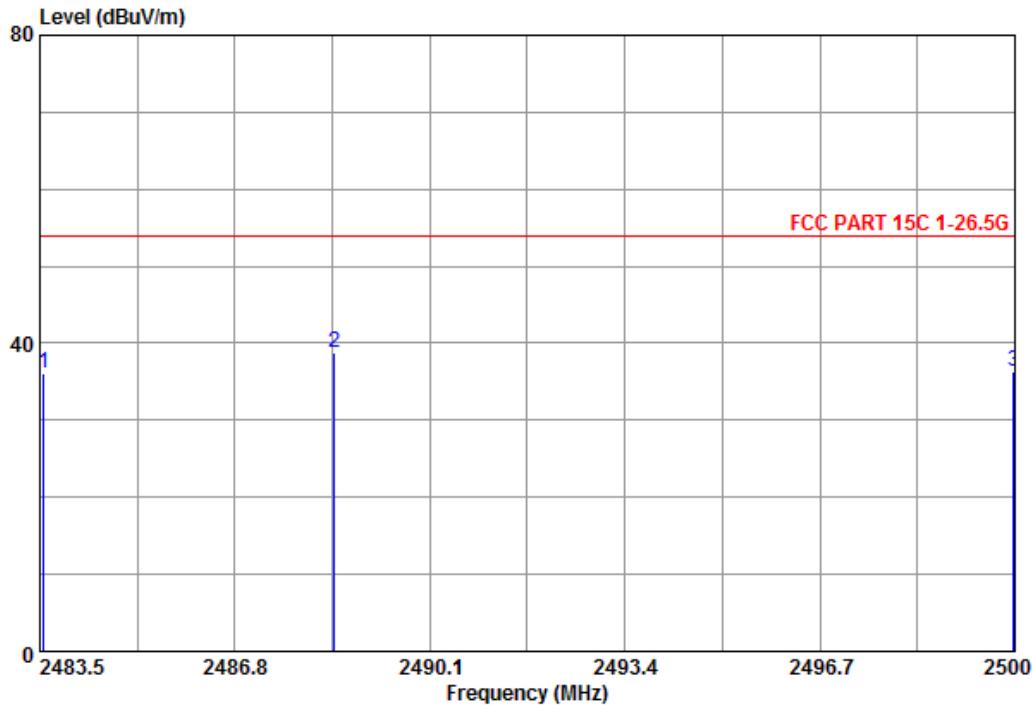
@ :Maximum Data    x :Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 78  
Test Mode : Mode 6



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.566	43.59	-7.39	36.20	54.00	-17.80	---	---	
2 @2488.483	46.00	-7.33	38.67	54.00	-15.33	---	---	
3 2499.983	43.65	-7.33	36.32	54.00	-17.68	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

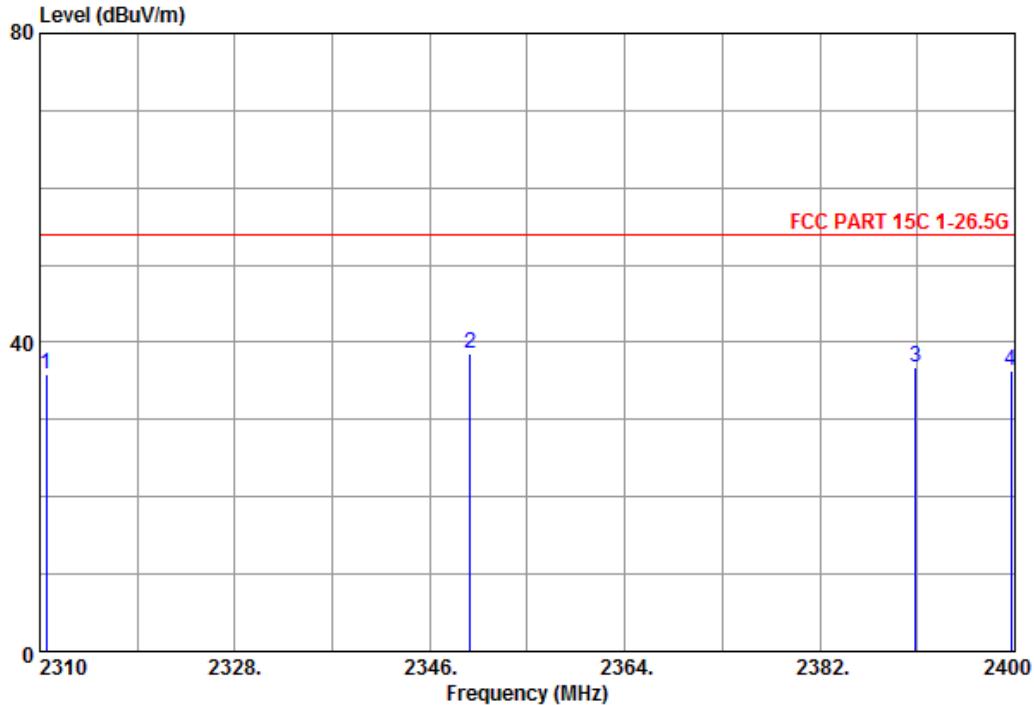
@ : Maximum Data    x : Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 00
Test Mode	: Mode 7		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2310.630	43.84	-7.88	35.96	54.00	-18.04	---	---	
2 2349.690	46.28	-7.79	38.49	54.00	-15.51	---	---	
3 2390.820	44.50	-7.63	36.87	54.00	-17.13	---	---	
4 2399.640	43.96	-7.63	36.33	54.00	-17.67	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

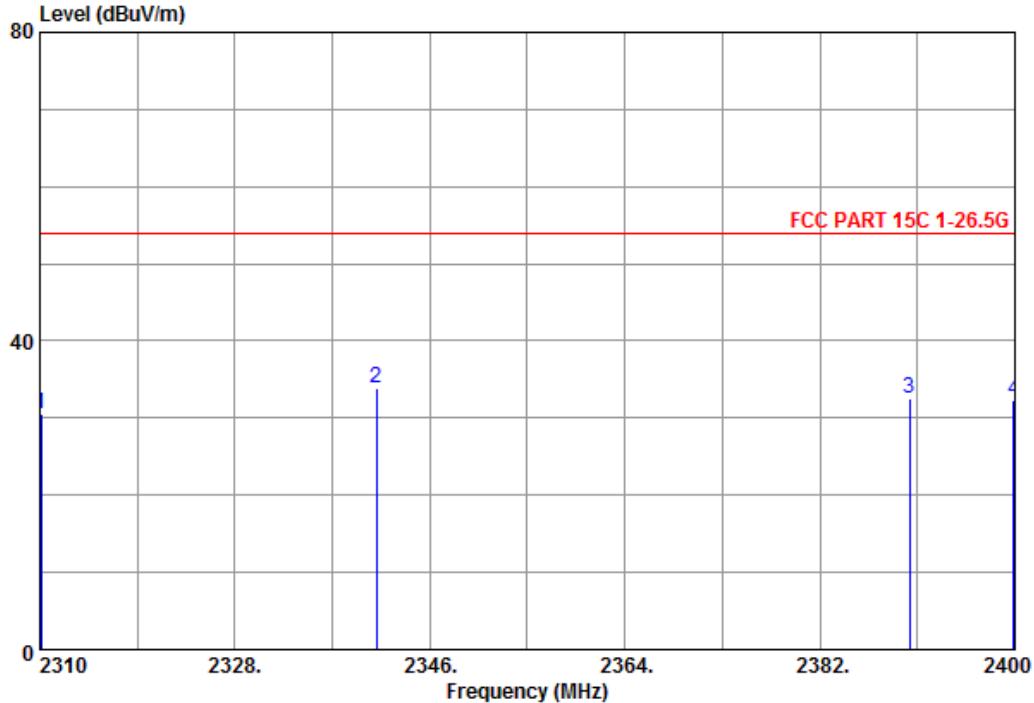
@ :Maximum Data      x :Over Limit

#### Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Vertical	Channel	: 00
Test Mode	: Mode 7		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2310.090	38.43	-7.88	30.55	54.00	-23.45	---	---	
2 @2341.050	41.64	-7.79	33.85	54.00	-20.15	---	---	
3 2390.280	40.18	-7.63	32.55	54.00	-21.45	---	---	
4 2399.910	40.01	-7.63	32.38	54.00	-21.62	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

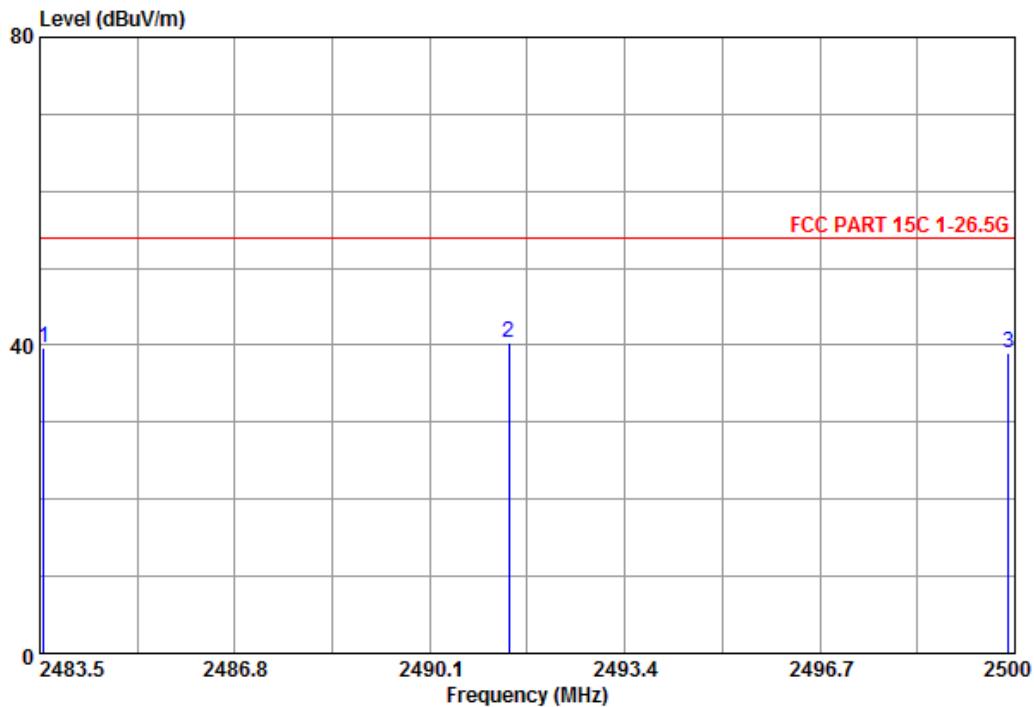
@ :Maximum Data      x :Over Limit

#### Remark :

1. Measuring frequencies from 2310 to 2400 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 78
Test Mode	: Mode 9		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.566	47.02	-7.39	39.63	54.00	-14.37	---	---	
2 2491.437	47.66	-7.33	40.33	54.00	-13.67	---	---	
3 2499.885	46.23	-7.33	38.90	54.00	-15.10	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

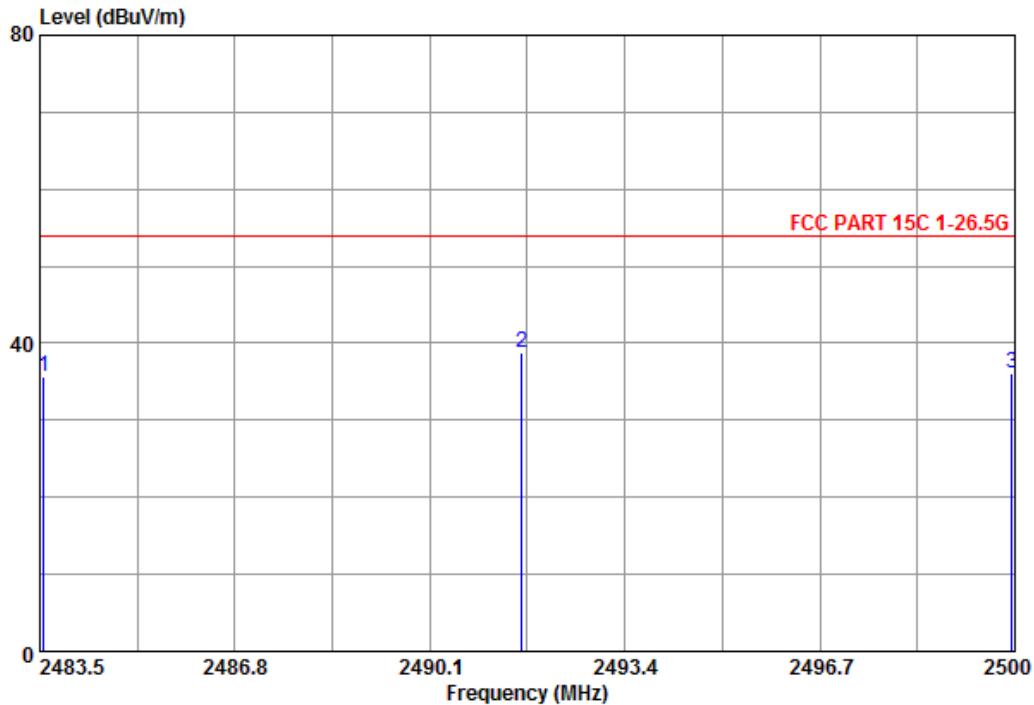
@ : Maximum Data    x : Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Restricted Band Edge)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Vertical	Channel	: 78
Test Mode	: Mode 9		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 2483.566	43.11	-7.39	35.72	54.00	-18.28	---	---	
2 @2491.651	46.12	-7.33	38.79	54.00	-15.21	---	---	
3 2499.950	43.47	-7.33	36.14	54.00	-17.86	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

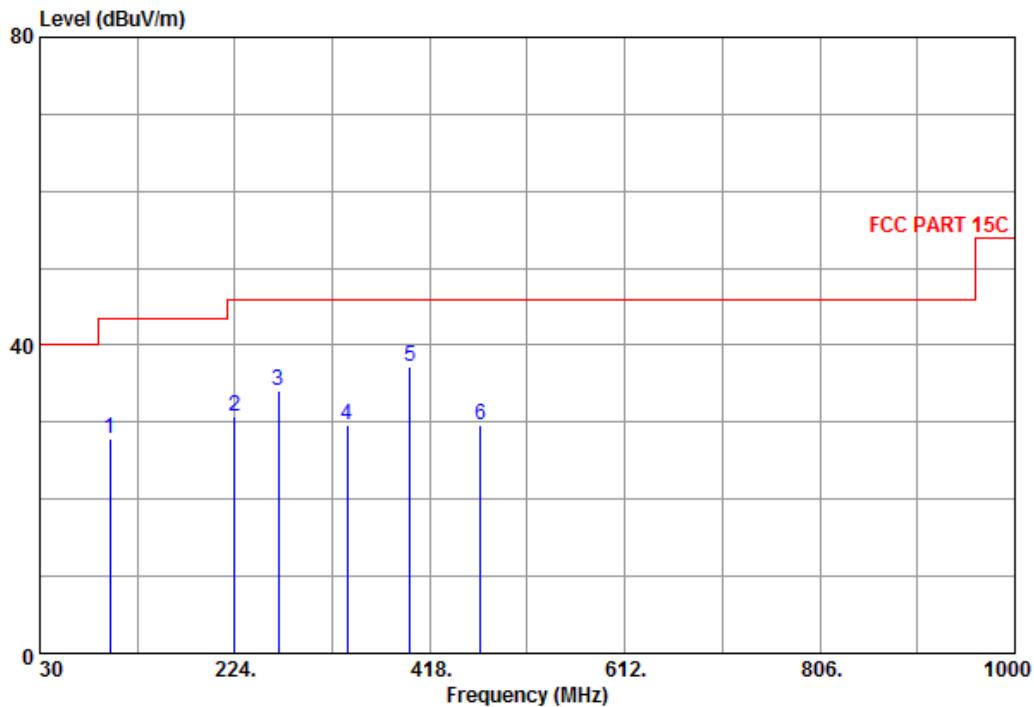
@ :Maximum Data    x :Over Limit

#### Remark :

1. Measuring frequencies from 2483.5 to 2500 MHz.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 1



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	50.17	-22.28	27.89	43.50	-15.61	---	---	
2 224.000	48.86	-18.17	30.69	46.00	-15.31	---	---	
3 267.650	52.96	-18.92	34.04	46.00	-11.96	---	---	
4 335.550	44.83	-15.25	29.58	46.00	-16.42	---	---	
5 @ 398.600	51.09	-13.85	37.24	46.00	-8.76	---	---	
6 468.440	42.43	-12.75	29.68	46.00	-16.32	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

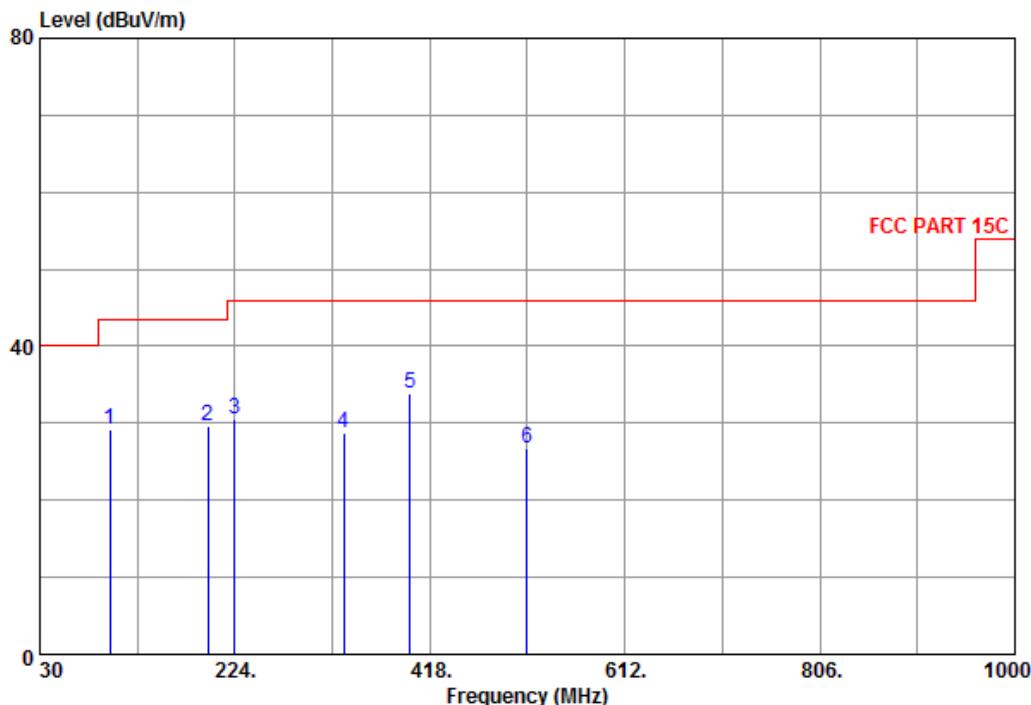
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 00  
Test Mode : Mode 1



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	51.57	-22.28	29.29	43.50	-14.21	---	---	
2 196.840	47.00	-17.28	29.72	43.50	-13.78	---	---	
3 224.000	48.65	-18.17	30.48	46.00	-15.52	---	---	
4 332.640	44.16	-15.44	28.72	46.00	-17.28	---	---	
5 @ 398.600	47.72	-13.85	33.87	46.00	-12.13	---	---	
6 515.000	37.55	-10.87	26.68	46.00	-19.32	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

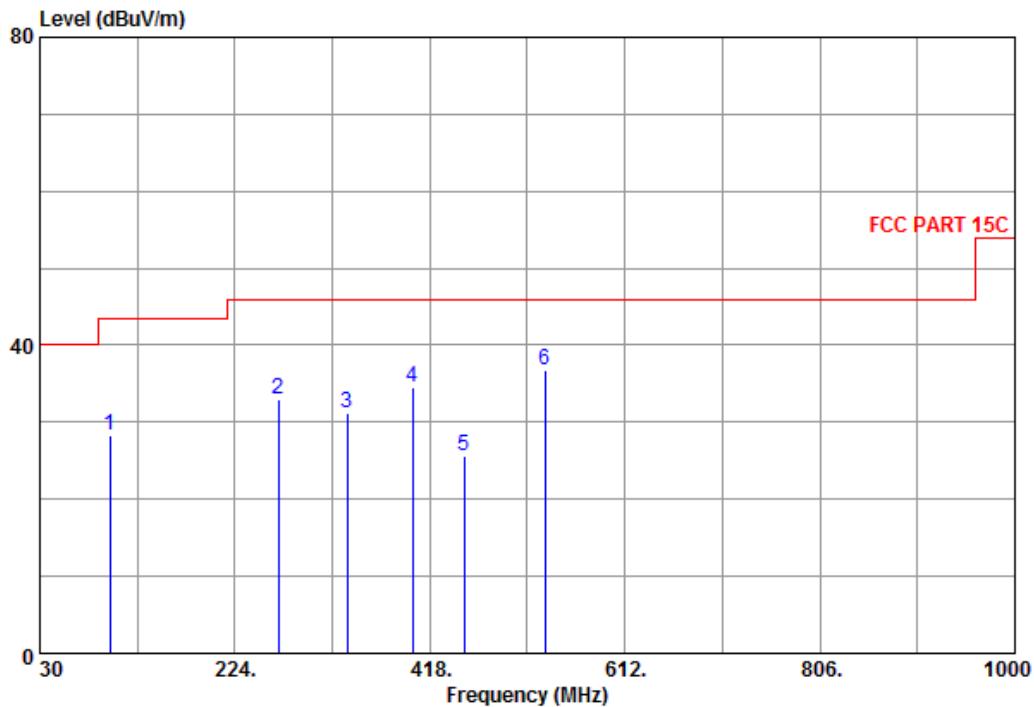
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 39  
Test Mode : Mode 2



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	50.65	-22.28	28.37	43.50	-15.13	---	---	
2 267.650	51.80	-18.92	32.88	46.00	-13.12	---	---	
3 335.550	46.56	-15.25	31.31	46.00	-14.69	---	---	
4 400.540	48.45	-13.97	34.48	46.00	-11.52	---	---	
5 451.950	38.37	-12.84	25.53	46.00	-20.47	---	---	
6 @ 532.460	47.33	-10.60	36.73	46.00	-9.27	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

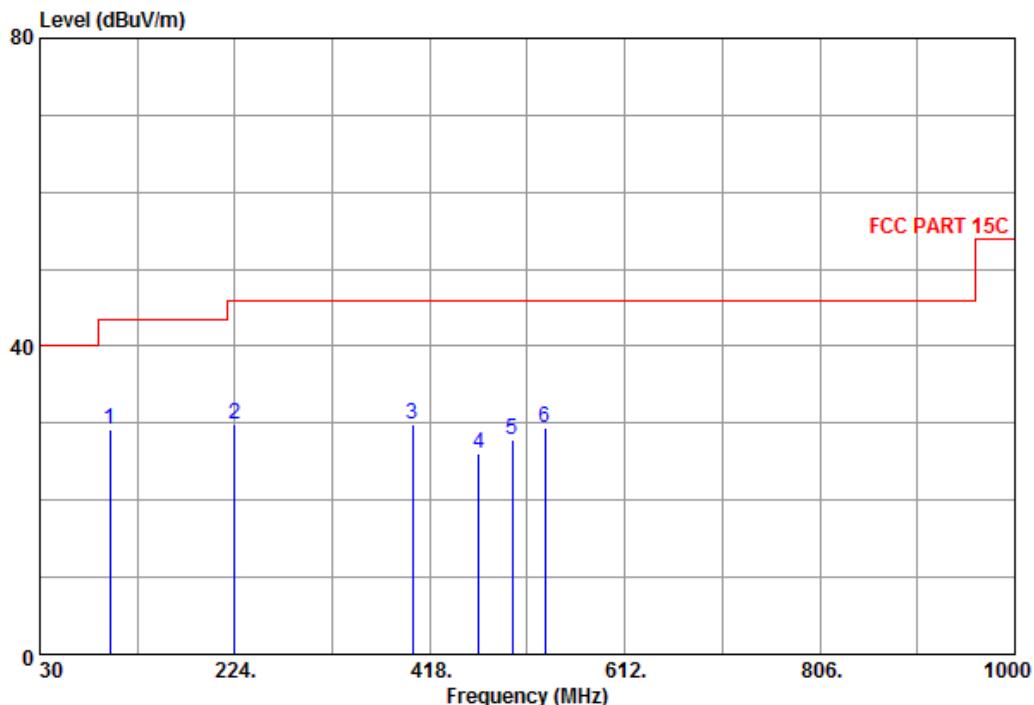
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature	:	26°C	Humidity	:	33%
Test Date	:	09-Oct-2013	Tested by	:	Kidd Liao
Polarization	:	Vertical	Channel	:	39
Test Mode	:	Mode 2			



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 @ 99.840	51.43	-22.28	29.15	43.50	-14.35	---	---	
2 224.000	48.08	-18.17	29.91	46.00	-16.09	---	---	
3 400.540	43.79	-13.97	29.82	46.00	-16.18	---	---	
4 466.500	38.85	-12.76	26.09	46.00	-19.91	---	---	
5 500.450	39.11	-11.25	27.86	46.00	-18.14	---	---	
6 532.460	40.04	-10.60	29.44	46.00	-16.56	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

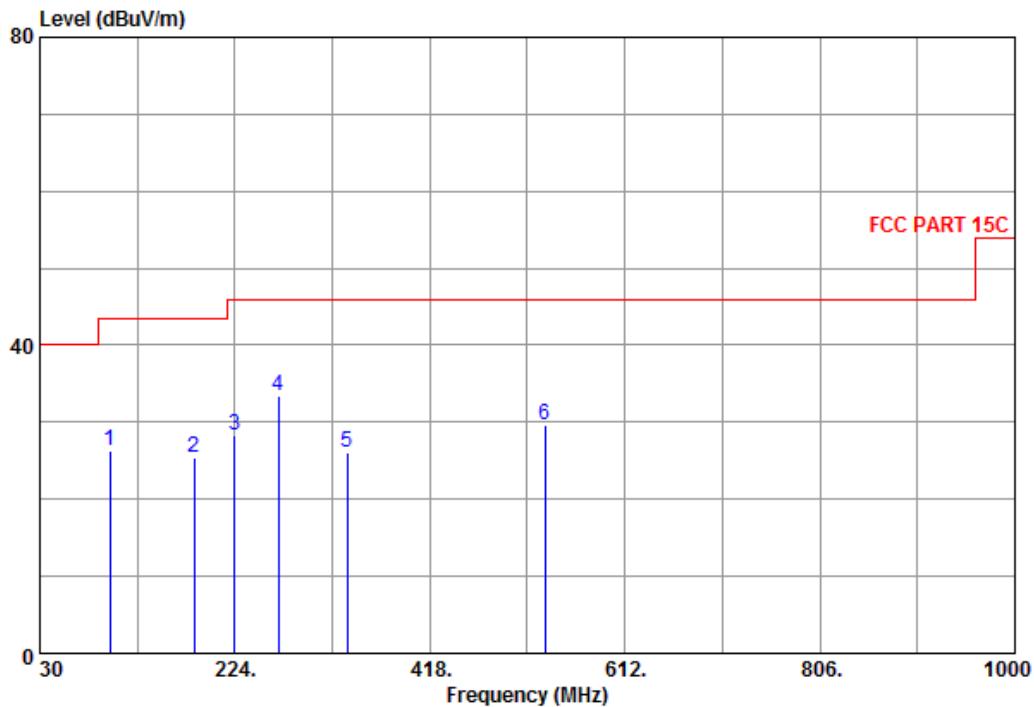
@ : Maximum Data      x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 78  
Test Mode : Mode 3



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	48.67	-22.28	26.39	43.50	-17.11	---	---	
2 183.260	42.89	-17.38	25.51	43.50	-17.99	---	---	
3 224.000	46.39	-18.17	28.22	46.00	-17.78	---	---	
4 @ 267.650	52.29	-18.92	33.37	46.00	-12.63	---	---	
5 335.550	41.23	-15.25	25.98	46.00	-20.02	---	---	
6 532.460	40.22	-10.60	29.62	46.00	-16.38	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

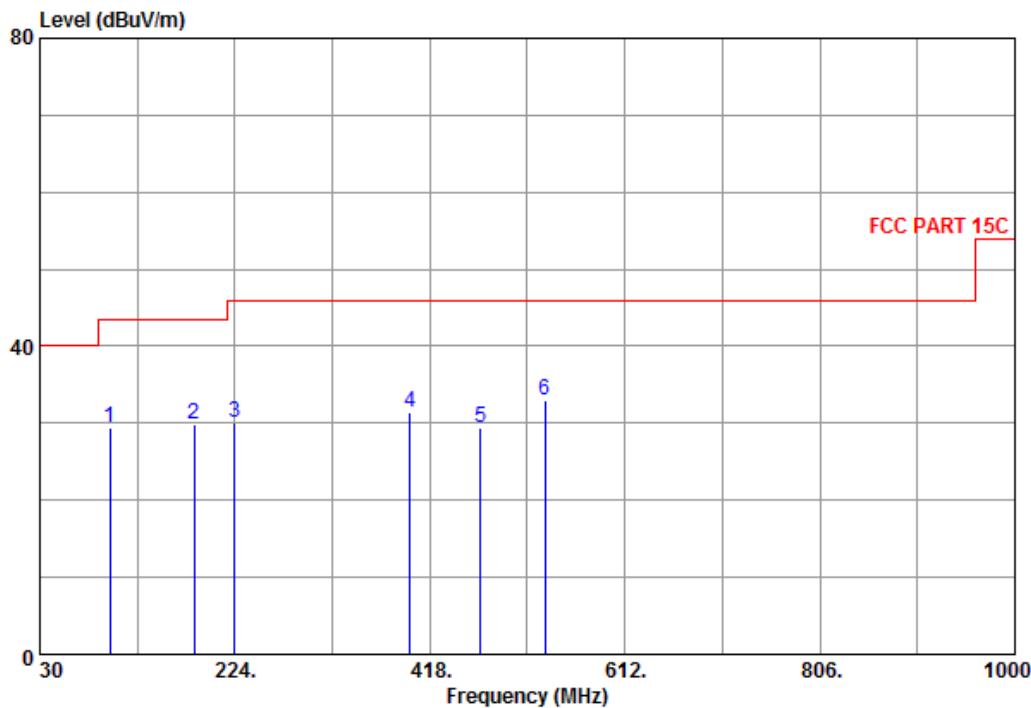
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 78  
Test Mode : Mode 3



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	51.73	-22.28	29.45	43.50	-14.05	---	---	
2 183.260	47.25	-17.38	29.87	43.50	-13.63	---	---	
3 224.000	48.27	-18.17	30.10	46.00	-15.90	---	---	
4 398.600	45.17	-13.85	31.32	46.00	-14.68	---	---	
5 468.440	42.15	-12.75	29.40	46.00	-16.60	---	---	
6 @ 532.460	43.55	-10.60	32.95	46.00	-13.05	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

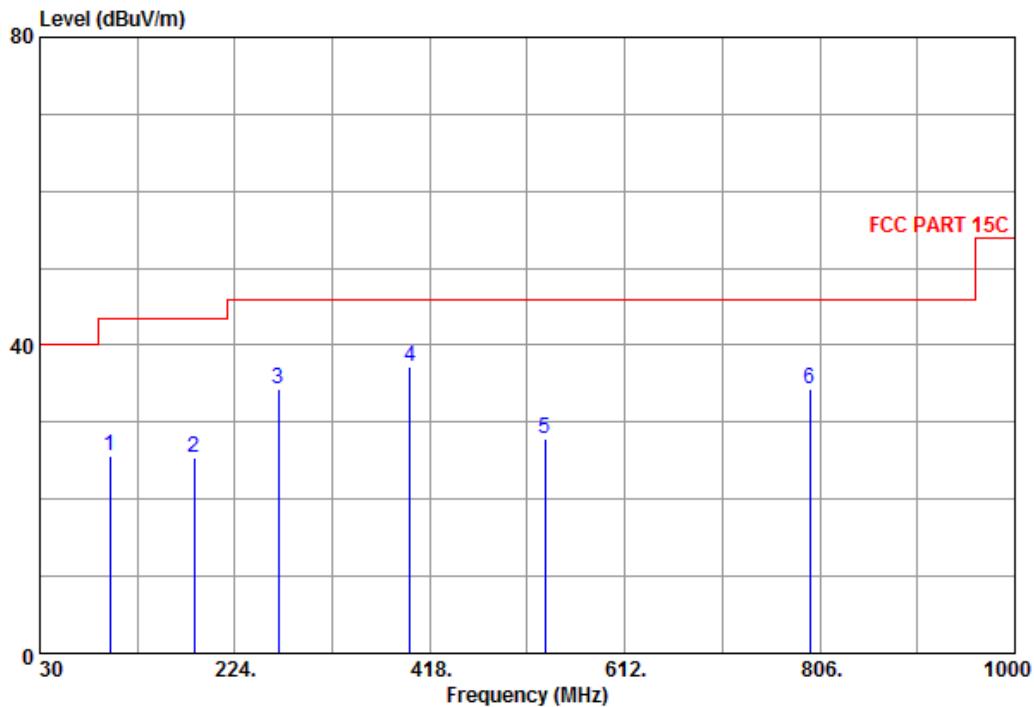
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 4



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	47.92	-22.28	25.64	43.50	-17.86	---	---	
2 183.260	42.77	-17.38	25.39	43.50	-18.11	---	---	
3 267.650	53.34	-18.92	34.42	46.00	-11.58	---	---	
4 @ 398.600	51.02	-13.85	37.17	46.00	-8.83	---	---	
5 532.460	38.40	-10.60	27.80	46.00	-18.20	---	---	
6 796.300	39.88	-5.61	34.27	46.00	-11.73	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

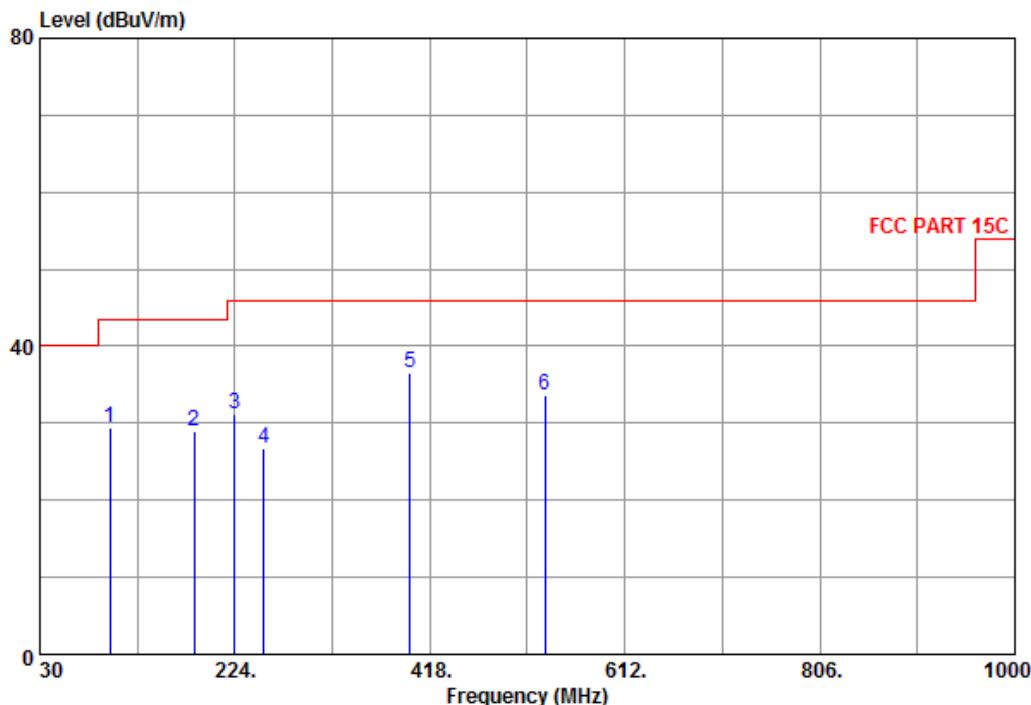
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown "—" in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 00  
Test Mode : Mode 4



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	51.69	-22.28	29.41	43.50	-14.09	---	---	
2 183.260	46.32	-17.38	28.94	43.50	-14.56	---	---	
3 224.000	49.28	-18.17	31.11	46.00	-14.89	---	---	
4 253.100	46.00	-19.19	26.81	46.00	-19.19	---	---	
5 @ 398.600	50.37	-13.85	36.52	46.00	-9.48	---	---	
6 532.460	44.29	-10.60	33.69	46.00	-12.31	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

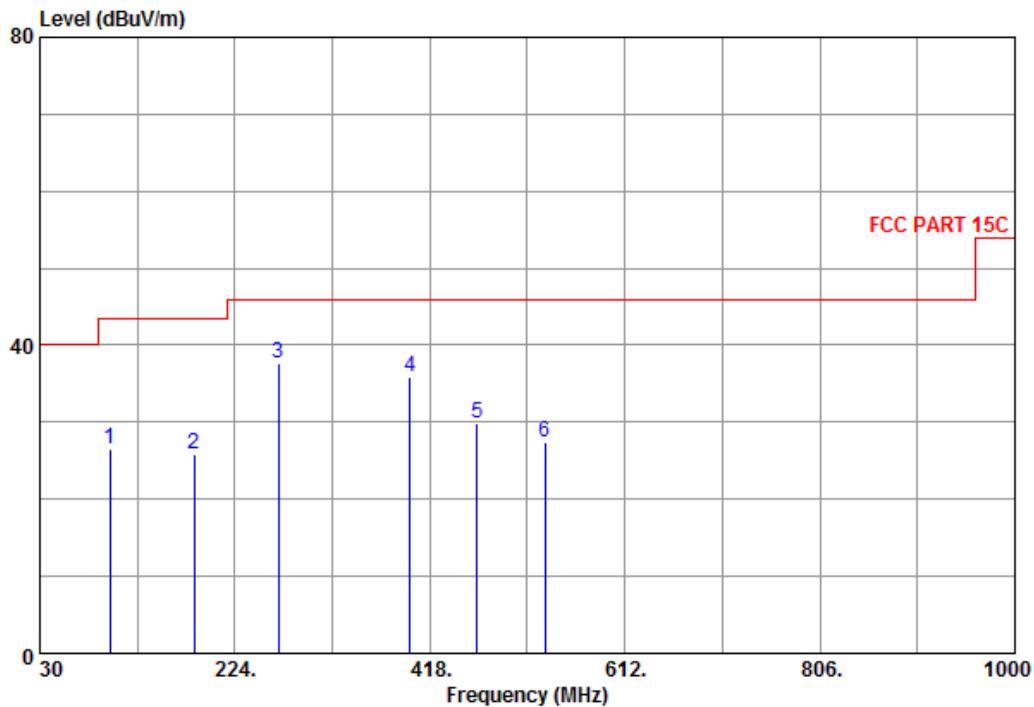
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 39  
Test Mode : Mode 5



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	48.69	-22.28	26.41	43.50	-17.09	---	---	
2 183.260	43.22	-17.38	25.84	43.50	-17.66	---	---	
3 @ 267.650	56.48	-18.92	37.56	46.00	-8.44	---	---	
4 398.600	49.83	-13.85	35.98	46.00	-10.02	---	---	
5 464.560	42.57	-12.78	29.79	46.00	-16.21	---	---	
6 532.460	38.03	-10.60	27.43	46.00	-18.57	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

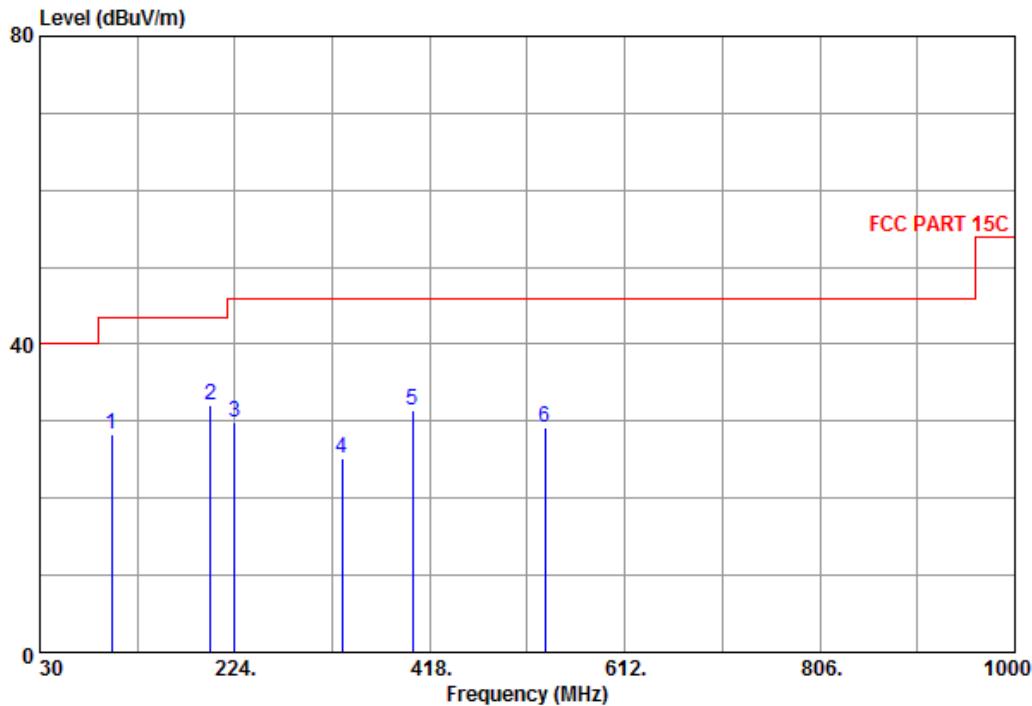
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 38  
Test Mode : Mode 5



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 101.780	51.47	-23.21	28.26	43.50	-15.24	---	---	
2 @ 199.750	49.25	-17.24	32.01	43.50	-11.49	---	---	
3 224.000	47.94	-18.17	29.77	46.00	-16.23	---	---	
4 330.700	40.68	-15.58	25.10	46.00	-20.90	---	---	
5 400.540	45.48	-13.97	31.51	46.00	-14.49	---	---	
6 532.460	39.88	-10.60	29.28	46.00	-16.72	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

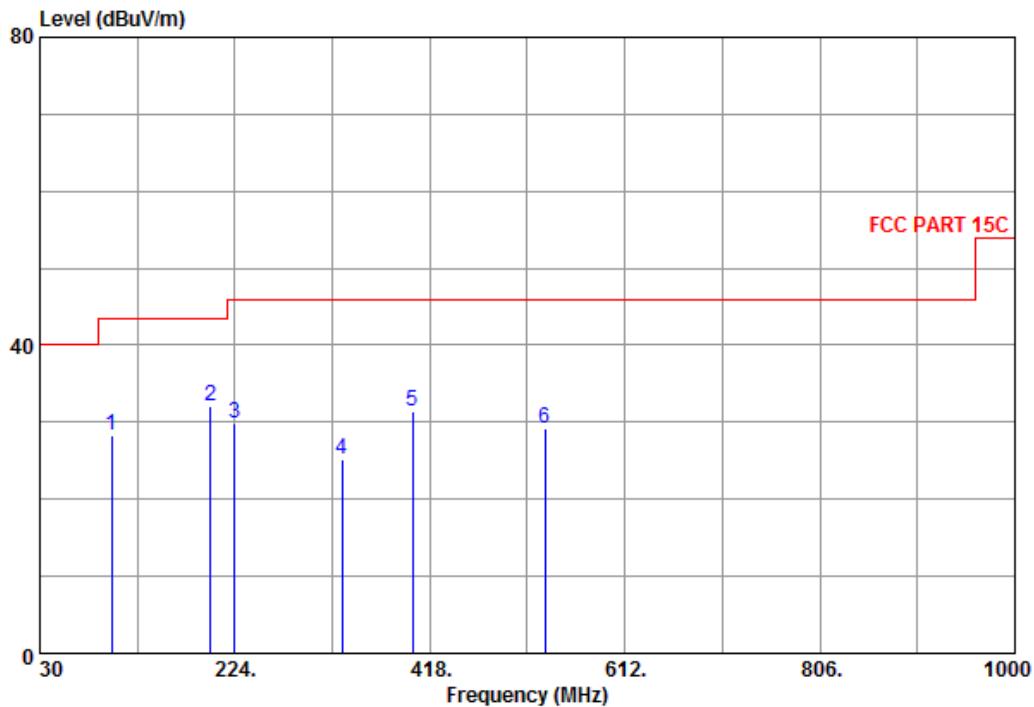
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 38  
Test Mode : Mode 5



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 101.780	51.47	-23.21	28.26	43.50	-15.24	---	---	
2 @ 199.750	49.25	-17.24	32.01	43.50	-11.49	---	---	
3 224.000	47.94	-18.17	29.77	46.00	-16.23	---	---	
4 330.700	40.68	-15.58	25.10	46.00	-20.90	---	---	
5 400.540	45.48	-13.97	31.51	46.00	-14.49	---	---	
6 532.460	39.88	-10.60	29.28	46.00	-16.72	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

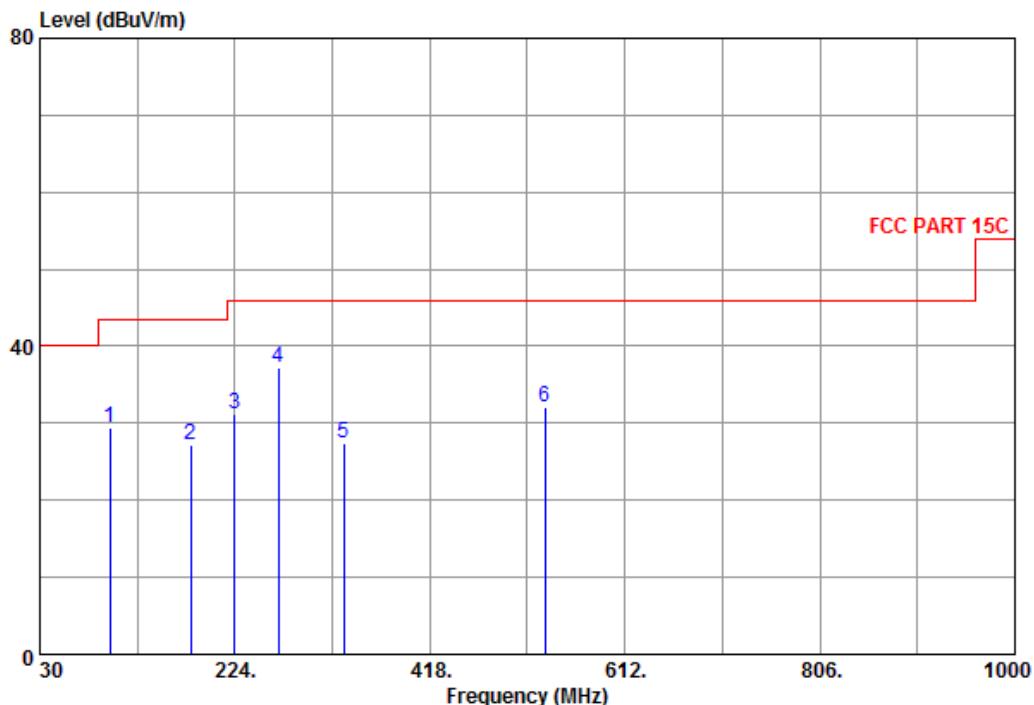
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 79  
Test Mode : Mode 6



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	51.59	-22.28	29.31	43.50	-14.19	---	---	
2 180.350	44.69	-17.39	27.30	43.50	-16.20	---	---	
3 224.000	49.32	-18.17	31.15	46.00	-14.85	---	---	
4 @ 267.650	56.13	-18.92	37.21	46.00	-8.79	---	---	
5 332.640	42.74	-15.44	27.30	46.00	-18.70	---	---	
6 532.460	42.74	-10.60	32.14	46.00	-13.86	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

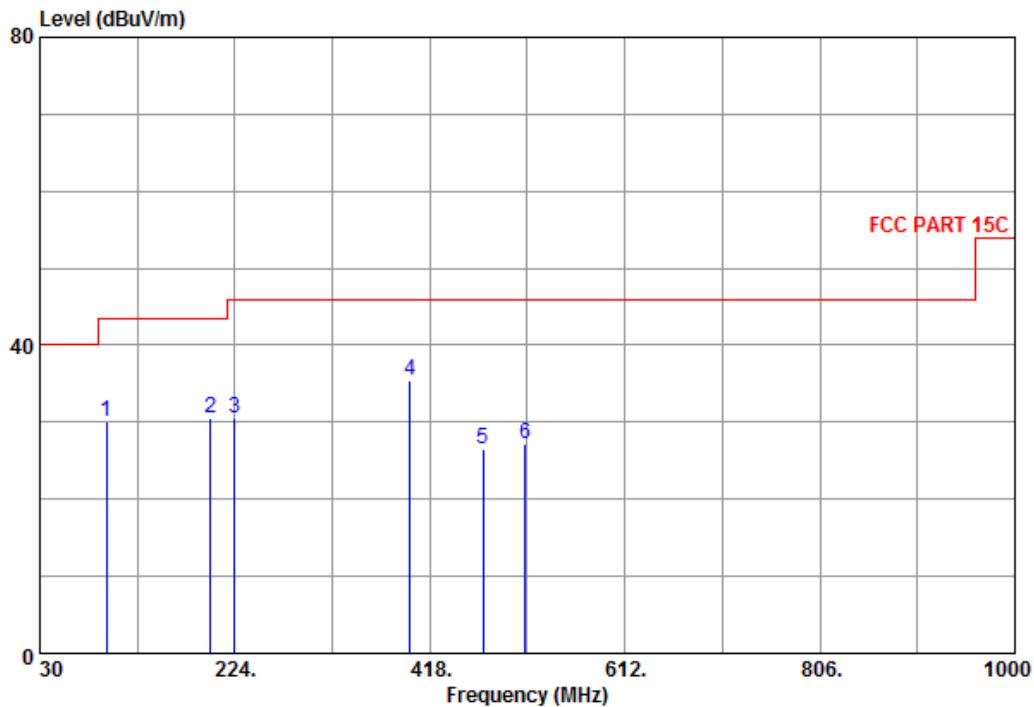
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 79  
Test Mode : Mode 6



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 95.960	53.12	-23.07	30.05	43.50	-13.45	---	---	
2 199.750	47.75	-17.24	30.51	43.50	-12.99	---	---	
3 224.000	48.69	-18.17	30.52	46.00	-15.48	---	---	
4 @ 398.600	49.24	-13.85	35.39	46.00	-10.61	---	---	
5 471.350	39.21	-12.73	26.48	46.00	-19.52	---	---	
6 513.060	38.22	-10.92	27.30	46.00	-18.70	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

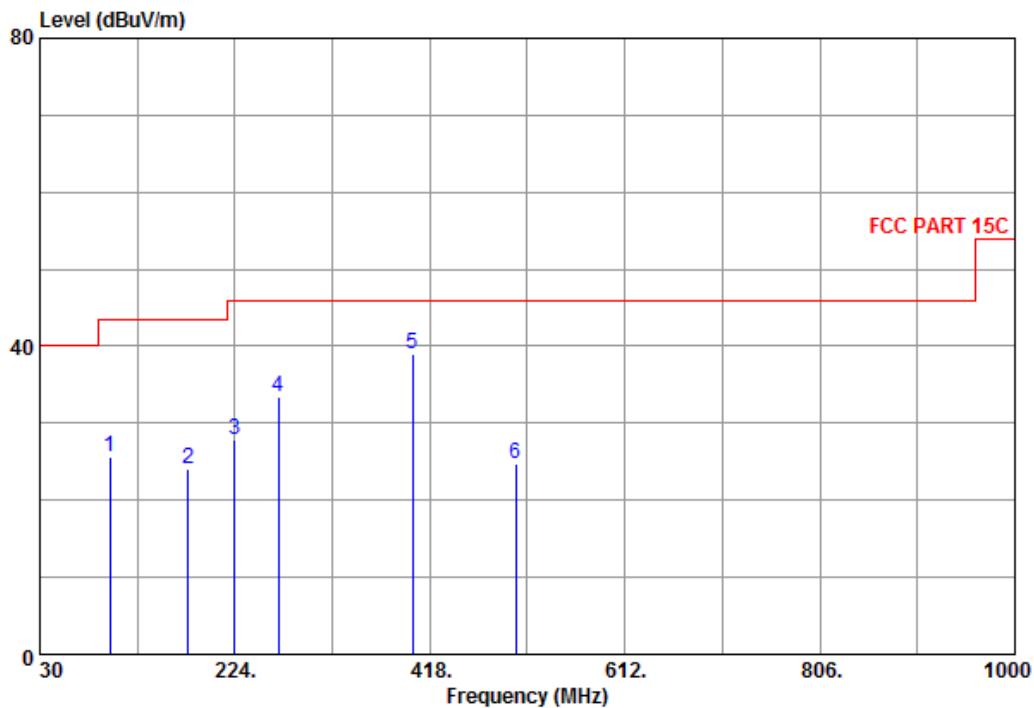
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 7



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	47.82	-22.28	25.54	43.50	-17.96	---	---	
2 177.440	42.82	-18.74	24.08	43.50	-19.42	---	---	
3 224.000	46.13	-18.17	27.96	46.00	-18.04	---	---	
4 267.650	52.41	-18.92	33.49	46.00	-12.51	---	---	
5 @ 400.540	52.95	-13.97	38.98	46.00	-7.02	---	---	
6 503.360	35.99	-11.18	24.81	46.00	-21.19	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

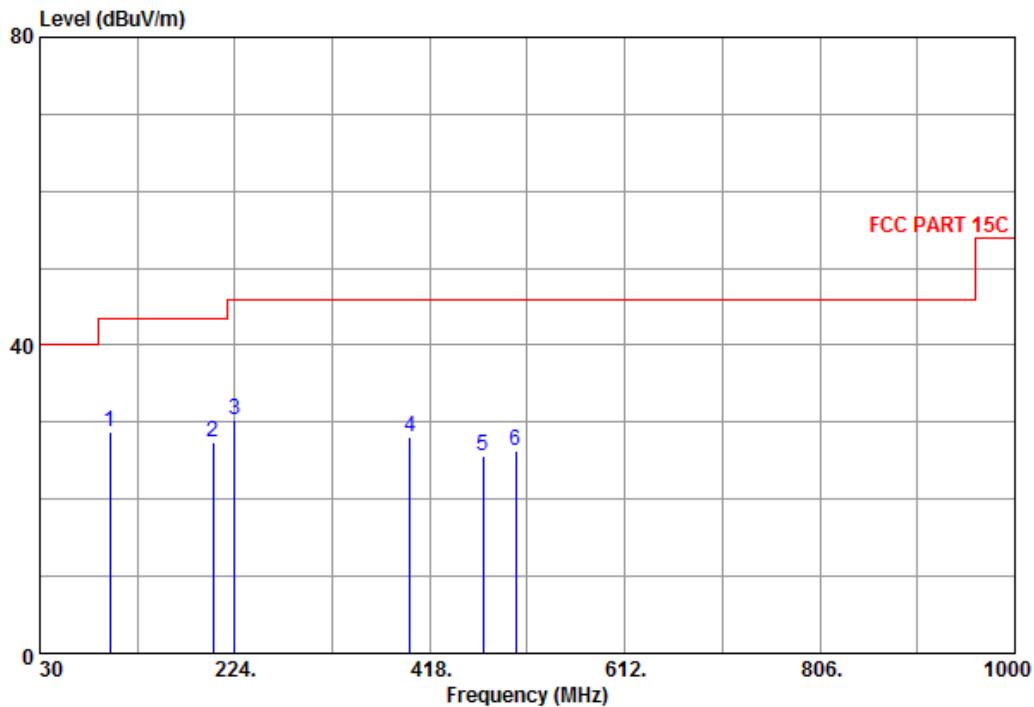
@ : Maximum Data      x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 00  
Test Mode : Mode 7



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 0 99.840	50.93	-22.28	28.65	43.50	-14.85	---	---	
2 202.660	44.65	-17.33	27.32	43.50	-16.18	---	---	
3 224.000	48.57	-18.17	30.40	46.00	-15.60	---	---	
4 398.600	41.87	-13.85	28.02	46.00	-17.98	---	---	
5 471.350	38.26	-12.73	25.53	46.00	-20.47	---	---	
6 503.360	37.52	-11.18	26.34	46.00	-19.66	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

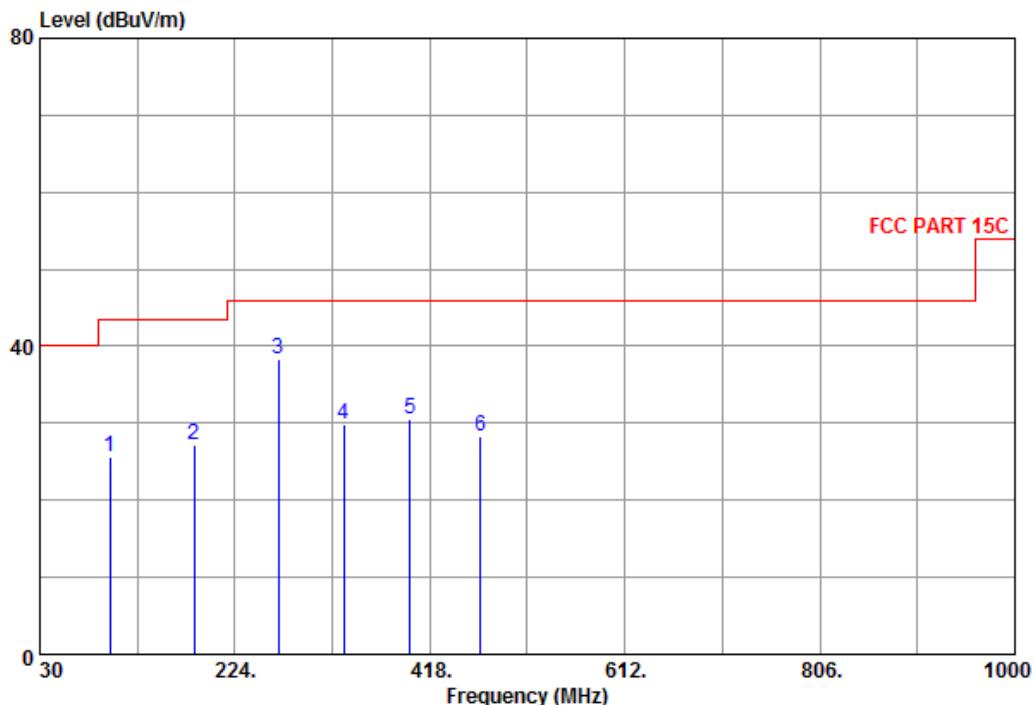
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 39  
Test Mode : Mode 8



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	47.87	-22.28	25.59	43.50	-17.91	---	---	
2 183.260	44.51	-17.38	27.13	43.50	-16.37	---	---	
3 @ 267.650	57.18	-18.92	38.26	46.00	-7.74	---	---	
4 332.640	45.29	-15.44	29.85	46.00	-16.15	---	---	
5 398.600	44.45	-13.85	30.60	46.00	-15.40	---	---	
6 468.440	40.98	-12.75	28.23	46.00	-17.77	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

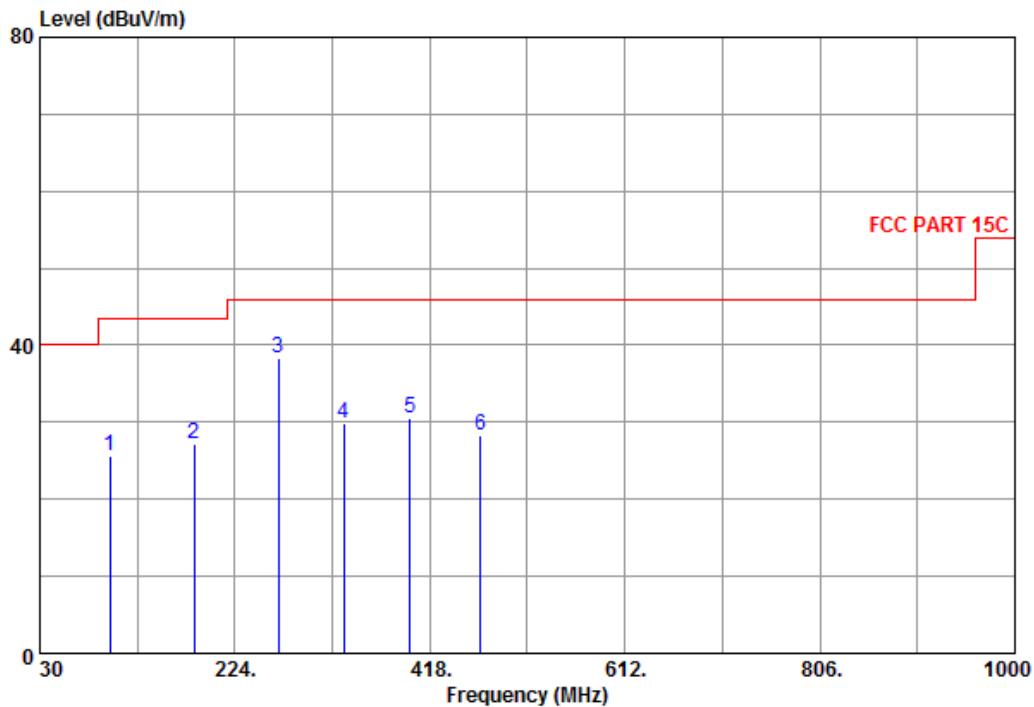
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Vertical	Channel	: 39
Test Mode	: Mode 8		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 99.840	47.87	-22.28	25.59	43.50	-17.91	---	---	
2 183.260	44.51	-17.38	27.13	43.50	-16.37	---	---	
3 @ 267.650	57.18	-18.92	38.26	46.00	-7.74	---	---	
4 332.640	45.29	-15.44	29.85	46.00	-16.15	---	---	
5 398.600	44.45	-13.85	30.60	46.00	-15.40	---	---	
6 468.440	40.98	-12.75	28.23	46.00	-17.77	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

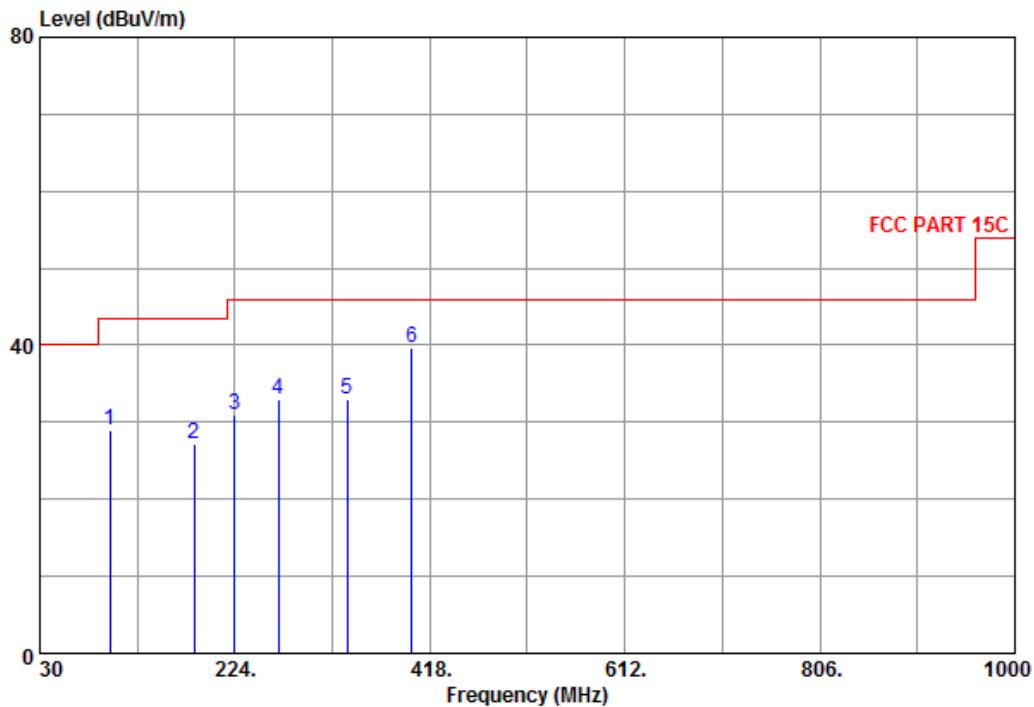
@ :Maximum Data x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 78  
Test Mode : Mode 9



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	51.15	-22.28	28.87	43.50	-14.63	---	---	
2 183.260	44.63	-17.38	27.25	43.50	-16.25	---	---	
3 224.000	49.18	-18.17	31.01	46.00	-14.99	---	---	
4 267.650	51.98	-18.92	33.06	46.00	-12.94	---	---	
5 335.550	48.31	-15.25	33.06	46.00	-12.94	---	---	
6 @ 399.570	53.46	-13.86	39.60	46.00	-6.40	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

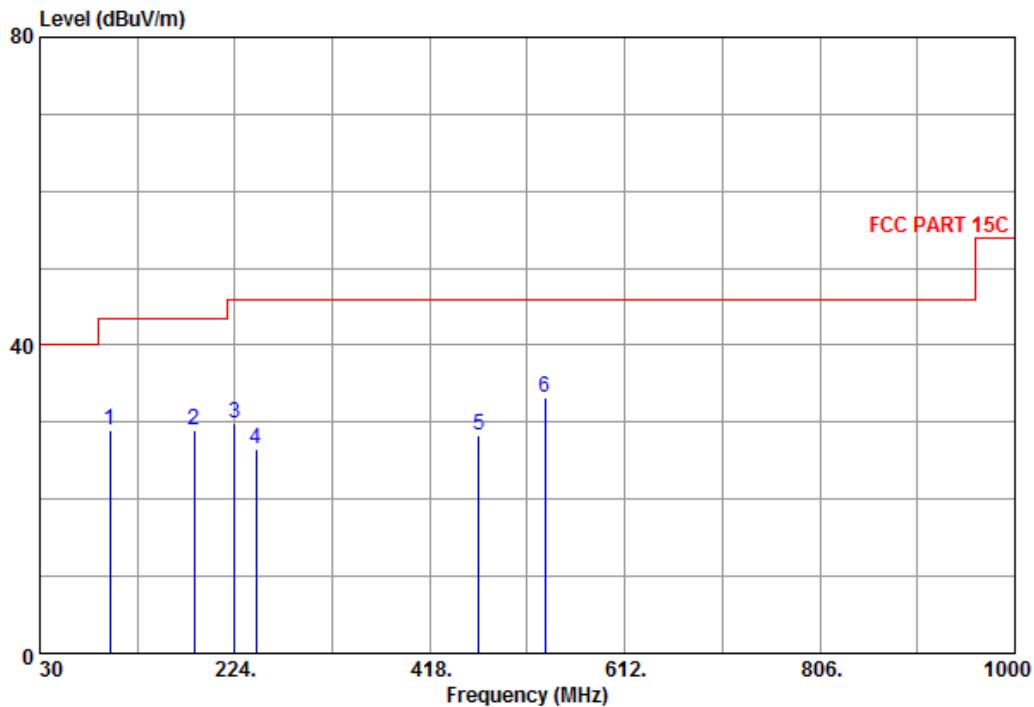
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 78  
Test Mode : Mode 9



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	51.17	-22.28	28.89	43.50	-14.61	---	---	
2 183.260	46.41	-17.38	29.03	43.50	-14.47	---	---	
3 224.000	47.97	-18.17	29.80	46.00	-16.20	---	---	
4 245.340	45.62	-19.07	26.55	46.00	-19.45	---	---	
5 466.500	40.97	-12.76	28.21	46.00	-17.79	---	---	
6 @ 532.460	43.89	-10.60	33.29	46.00	-12.71	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

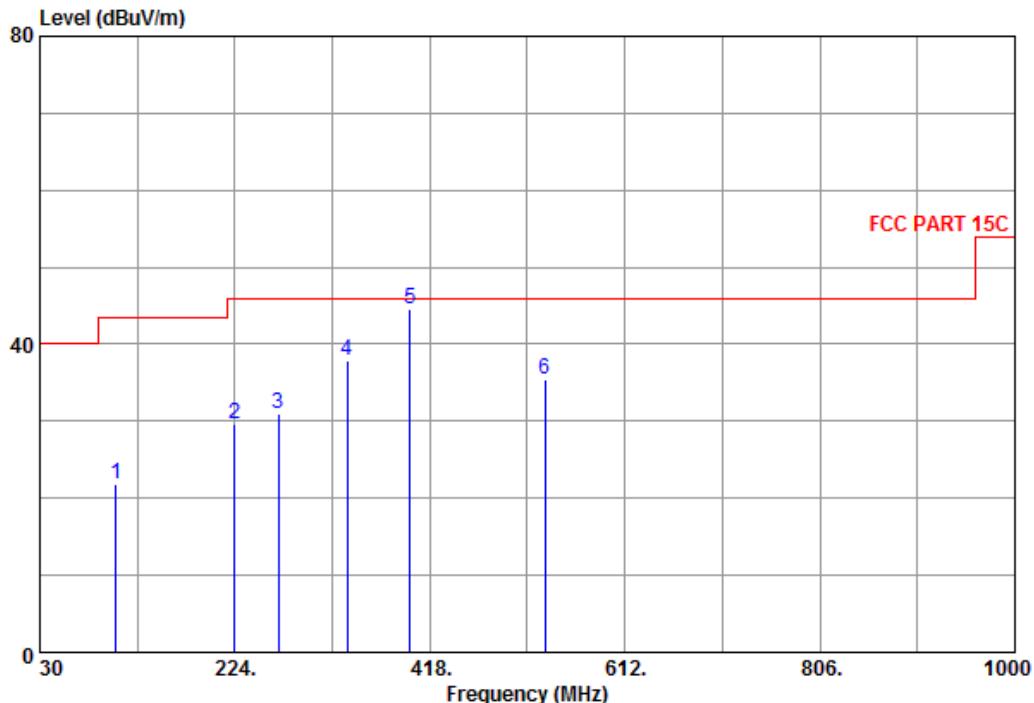
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature	:	26°C	Humidity	:	33%
Test Date	:	09-Oct-2013	Tested by	:	Kidd Liao
Polarization	:	Horizontal	Channel	:	RX
Test Mode	:	Mode 10			



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 105.660	46.36	-24.47	21.89	43.50	-21.61	---	---	
2 224.000	47.80	-18.17	29.63	46.00	-16.37	---	---	
3 267.650	49.93	-18.92	31.01	46.00	-14.99	---	---	
4 335.550	53.15	-15.25	37.90	46.00	-8.10	---	---	
5 @ 398.600	58.48	-13.85	44.63	46.00	-1.37	---	---	
6 532.460	46.13	-10.60	35.53	46.00	-10.47	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

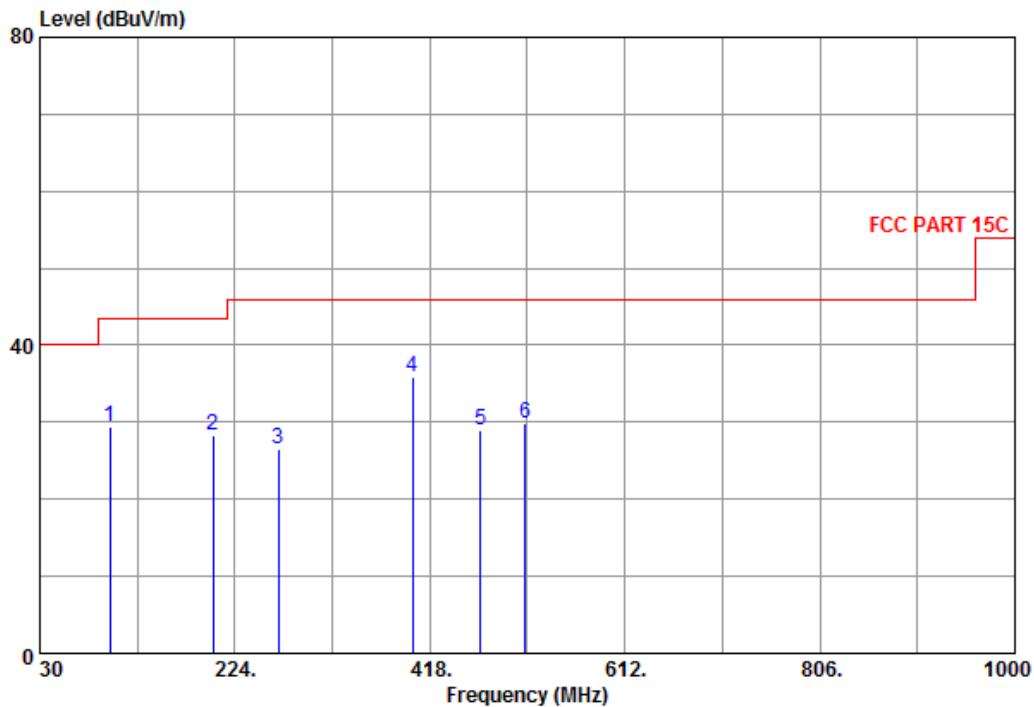
@ :Maximum Data      x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

**Radiated Emission Test Data (Below 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : RX  
Test Mode : Mode 10



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1 99.840	51.73	-22.28	29.45	43.50	-14.05	---	---	
2 202.660	45.61	-17.33	28.28	43.50	-15.22	---	---	
3 267.650	45.54	-18.92	26.62	46.00	-19.38	---	---	
4 @ 400.540	49.76	-13.97	35.79	46.00	-10.21	---	---	
5 468.440	41.66	-12.75	28.91	46.00	-17.09	---	---	
6 513.060	40.71	-10.92	29.79	46.00	-16.21	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

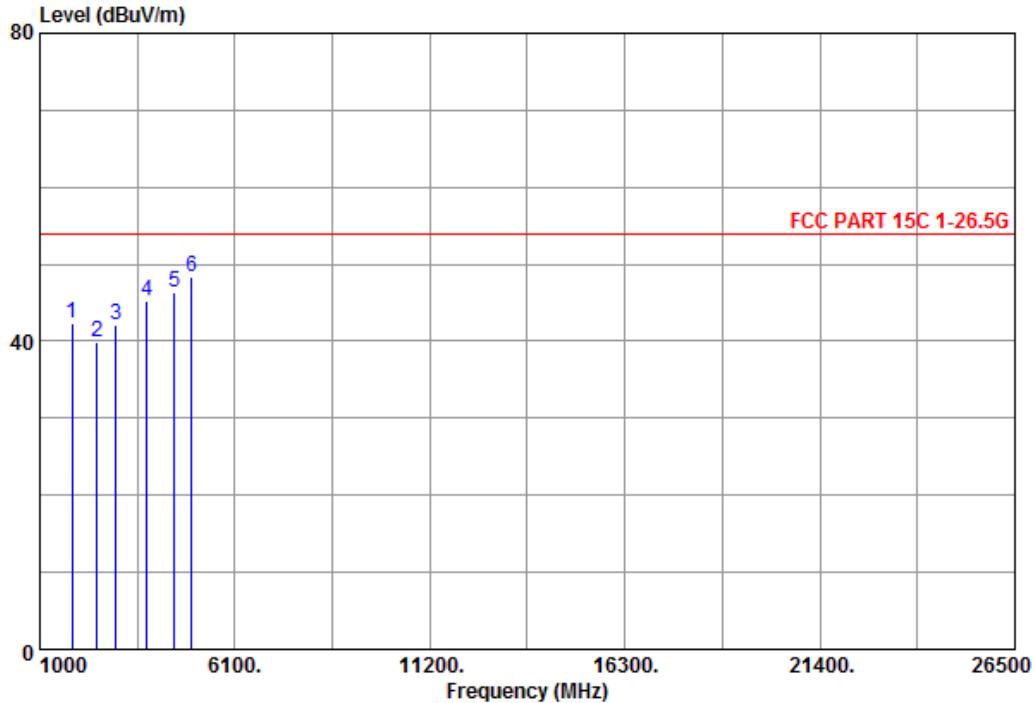
@ :Maximum Data    x :Over Limit

**Remark :**

1. Measuring frequencies from 30 MHz to 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Q.P. detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30 MHz to 1 GHz was 100 kHz.

### Radiated Emission Test Data (Above 1 GHz)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 00
Test Mode	: Mode 1		



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1	1841.500	51.71	-9.47	42.24	54.00	-11.76	---	---	
2	2504.500	47.27	-7.33	39.94	54.00	-14.06	---	---	
3	2989.000	48.01	-5.88	42.13	54.00	-11.87	---	---	
4	3805.000	48.70	-3.52	45.18	54.00	-8.82	---	---	
5	4519.000	47.03	-0.74	46.29	54.00	-7.71	---	---	
6	04978.000	47.06	1.22	48.28	54.00	-5.72	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data      x : Over Limit

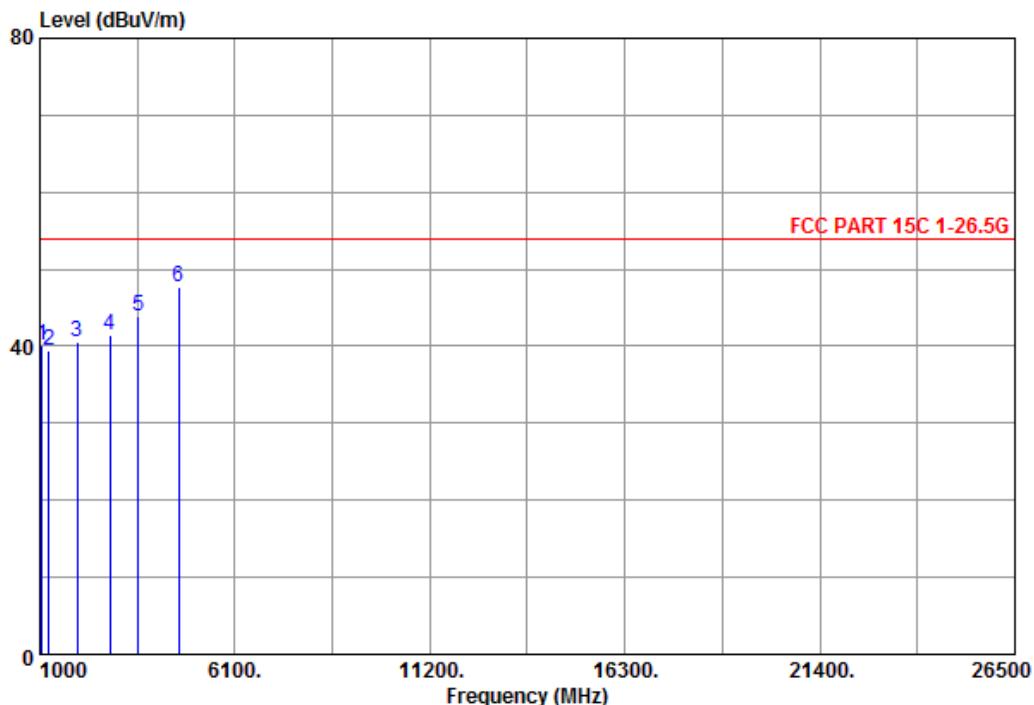
#### Remark :

- Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
- Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
- Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
- Spectrum setting:
  - Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 1

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 00



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1051.000	53.11	-13.10	40.01	54.00	-13.99	---	---	
2 1229.500	51.65	-12.25	39.40	54.00	-14.60	---	---	
3 1969.000	49.51	-8.94	40.57	54.00	-13.43	---	---	
4 2836.000	47.88	-6.34	41.54	54.00	-12.46	---	---	
5 3575.500	48.07	-4.17	43.90	54.00	-10.10	---	---	
6 04621.000	48.07	-0.30	47.77	54.00	-6.23	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

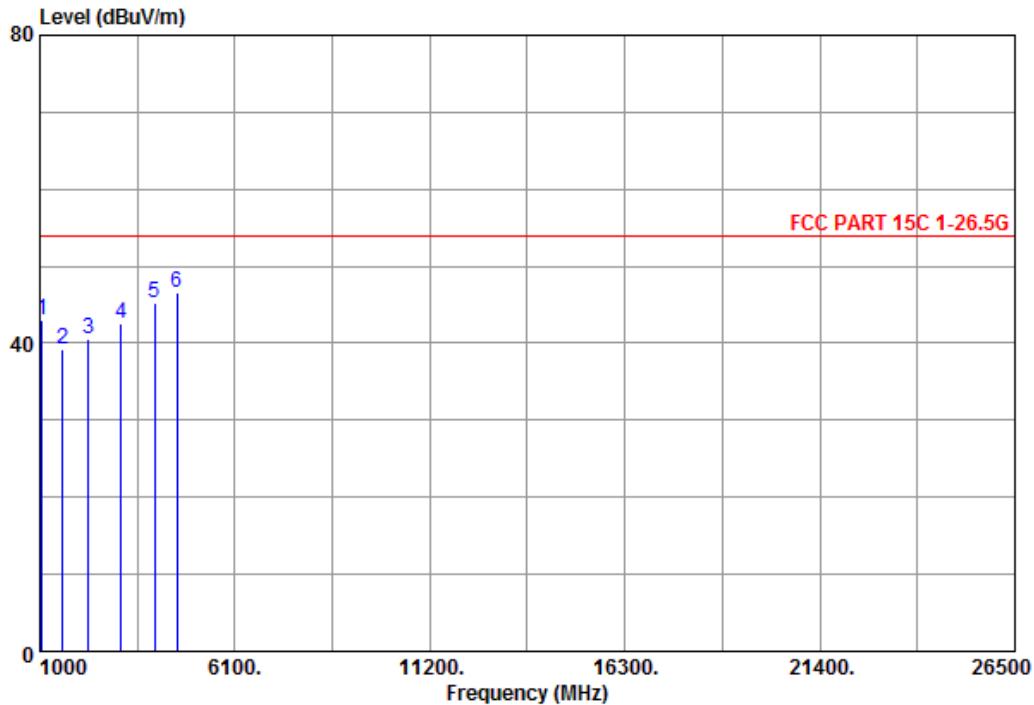
@ : Maximum Data      x : Over Limit

**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Above 1 GHz)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 39
Test Mode	: Mode 2		



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1	1051.000	56.05	-13.10	42.95	54.00	-11.05	---	---	
2	1586.500	49.95	-10.70	39.25	54.00	-14.75	---	---	
3	2275.000	48.57	-7.98	40.59	54.00	-13.41	---	---	
4	3116.500	48.03	-5.54	42.49	54.00	-11.51	---	---	
5	4009.000	48.04	-2.91	45.13	54.00	-8.87	---	---	
6	04595.500	46.97	-0.38	46.59	54.00	-7.41	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

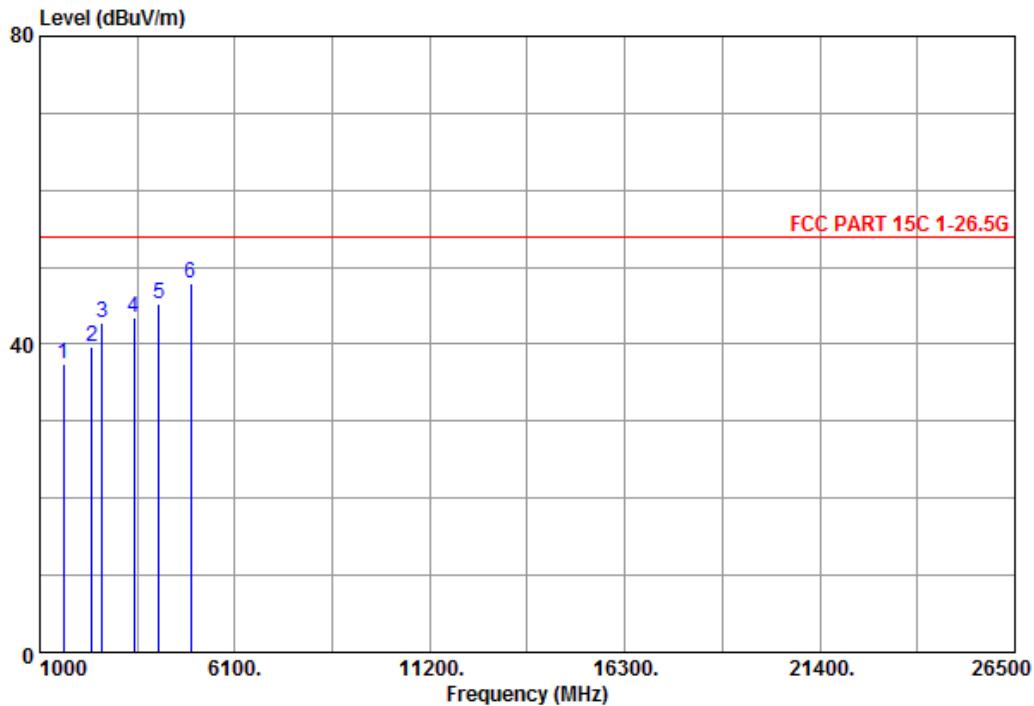
@ : Maximum Data      x : Over Limit

#### Remark :

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Above 1 GHz)

Temperature	:	26°C	Humidity	:	33%
Test Date	:	09-Oct-2013	Tested by	:	Kidd Liao
Polarization	:	Vertical	Channel	:	39
Test Mode	:	Mode 2			



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1	1612.000	47.92	-10.55	37.37	54.00	-16.63	---	---	
2	2351.500	47.33	-7.74	39.59	54.00	-14.41	---	---	
3	2632.000	49.75	-6.93	42.82	54.00	-11.18	---	---	
4	3473.500	47.86	-4.46	43.40	54.00	-10.60	---	---	
5	4111.000	47.77	-2.48	45.29	54.00	-8.71	---	---	
6	04952.500	46.79	1.08	47.87	54.00	-6.13	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

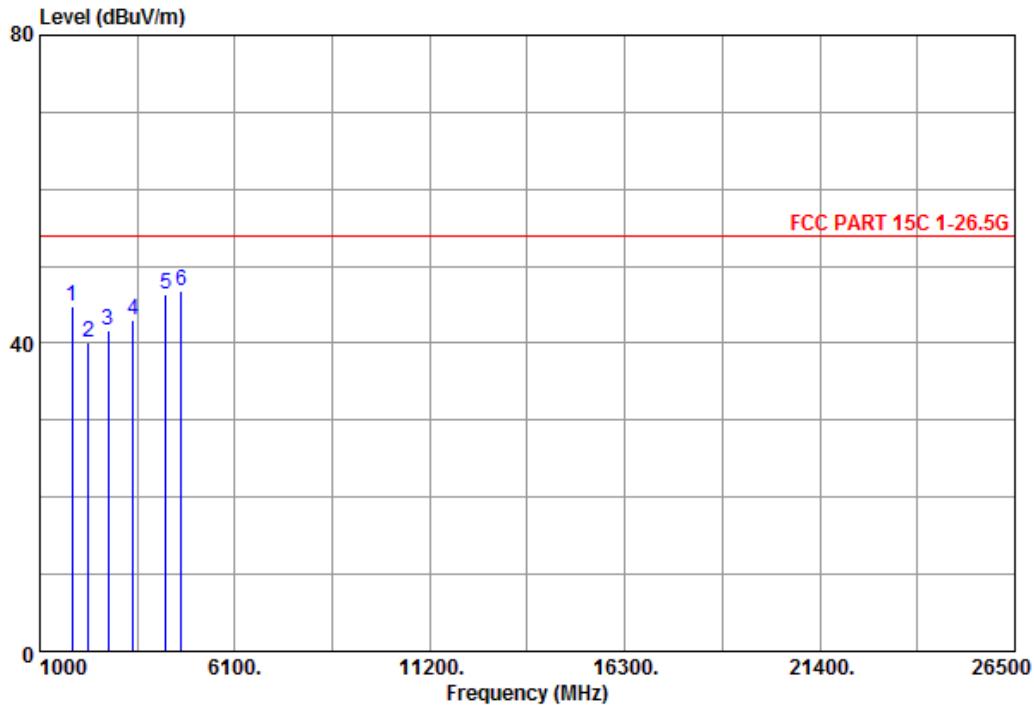
@ : Maximum Data      x : Over Limit

Remark :

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

### Radiated Emission Test Data (Above 1 GHz)

Temperature	: 26°C	Humidity	: 33%
Test Date	: 09-Oct-2013	Tested by	: Kidd Liao
Polarization	: Horizontal	Channel	: 78
Test Mode	: Mode 3		



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1841.500	54.34	-9.47	44.87	54.00	-9.13	---	---	
2 2275.000	48.12	-7.98	40.14	54.00	-13.86	---	---	
3 2785.000	48.11	-6.49	41.62	54.00	-12.38	---	---	
4 3448.000	47.58	-4.56	43.02	54.00	-10.98	---	---	
5 4289.500	48.04	-1.68	46.36	54.00	-7.64	---	---	
6 04697.500	46.62	0.07	46.69	54.00	-7.31	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data      x : Over Limit

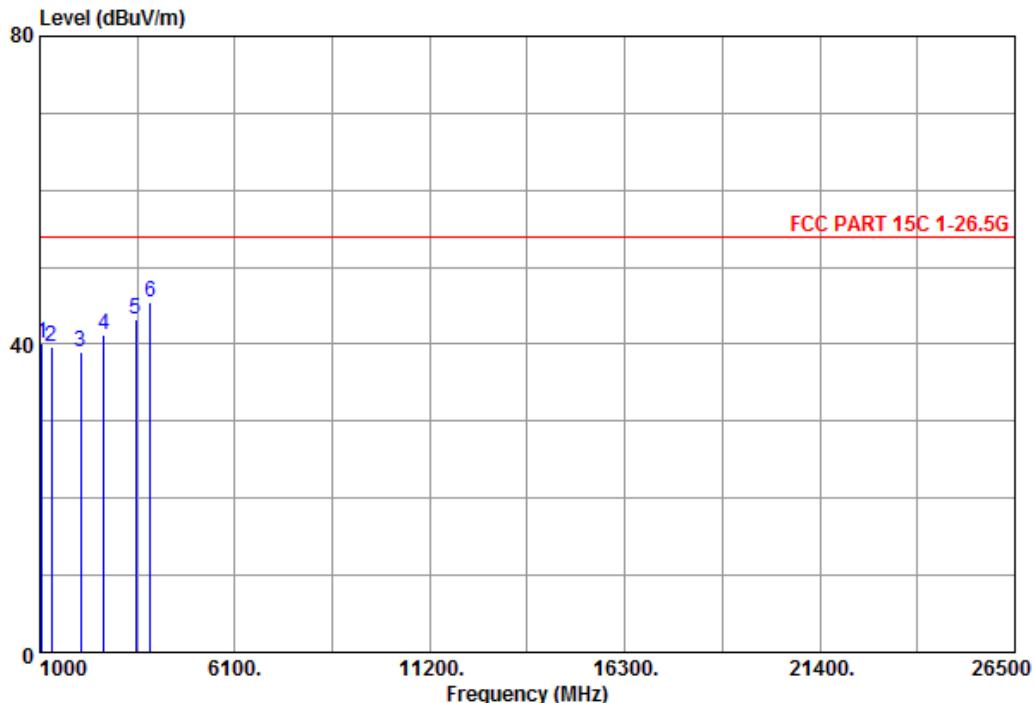
#### Remark :

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 3

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 78



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1051.000	53.28	-13.10	40.18	54.00	-13.82	---	---	
2 1306.000	51.71	-11.93	39.78	54.00	-14.22	---	---	
3 2071.000	47.52	-8.58	38.94	54.00	-15.06	---	---	
4 2683.000	47.95	-6.78	41.17	54.00	-12.83	---	---	
5 3499.000	47.60	-4.40	43.20	54.00	-10.80	---	---	
6 03881.500	48.78	-3.29	45.49	54.00	-8.51	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

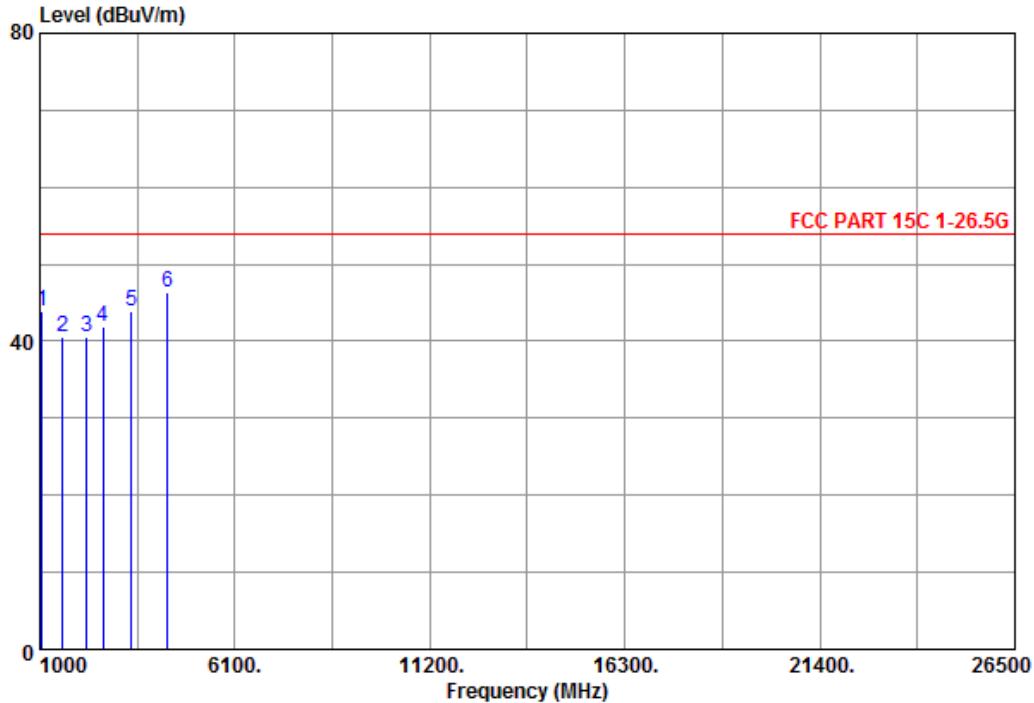
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - i. Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - ii. Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 4



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB			
1	1051.000	56.94	-13.10	43.84	54.00	-10.16	---	---	
2	1586.500	51.31	-10.70	40.61	54.00	-13.39	---	---	
3	2224.000	48.73	-8.13	40.60	54.00	-13.40	---	---	
4	2657.500	48.71	-6.83	41.88	54.00	-12.12	---	---	
5	3397.000	48.63	-4.70	43.93	54.00	-10.07	---	---	
6	04340.500	47.84	-1.53	46.31	54.00	-7.69	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

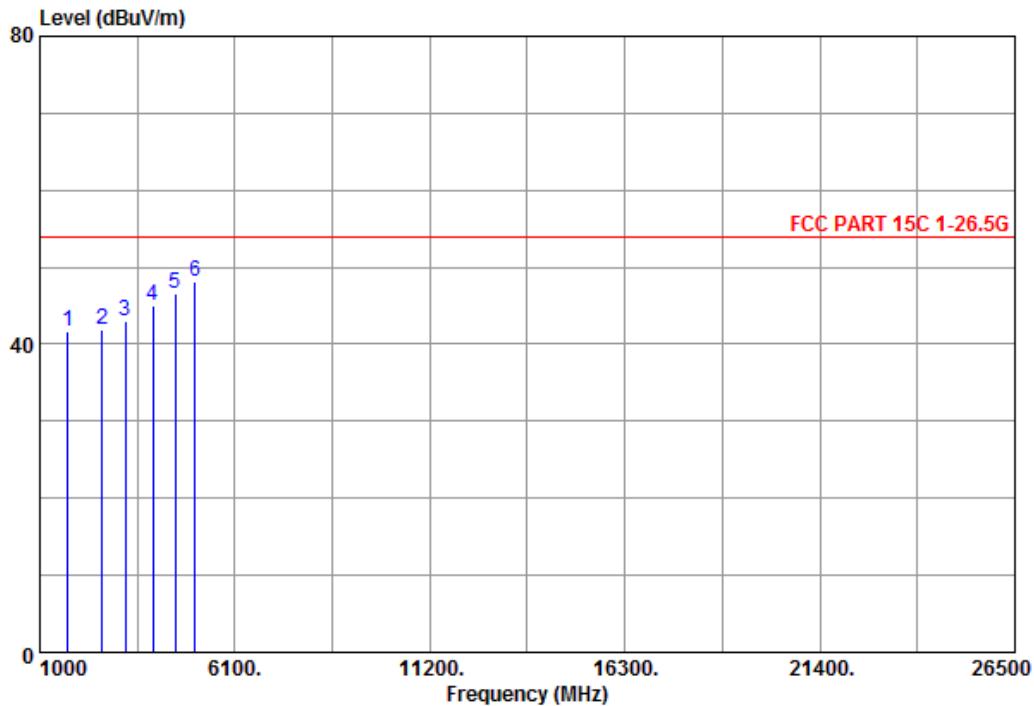
@ : Maximum Data    x : Over Limit

Remark :

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Vertical      Channel : 00  
Test Mode : Mode 4



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1	1739.500	51.66	-9.94	41.72	54.00	-12.28	---	---	
2	2632.000	48.79	-6.93	41.86	54.00	-12.14	---	---	
3	3244.000	48.06	-5.15	42.91	54.00	-11.09	---	---	
4	3958.000	47.99	-3.08	44.91	54.00	-9.09	---	---	
5	4544.500	47.27	-0.66	46.61	54.00	-7.39	---	---	
6	05054.500	46.62	1.43	48.05	54.00	-5.95	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data      x : Over Limit

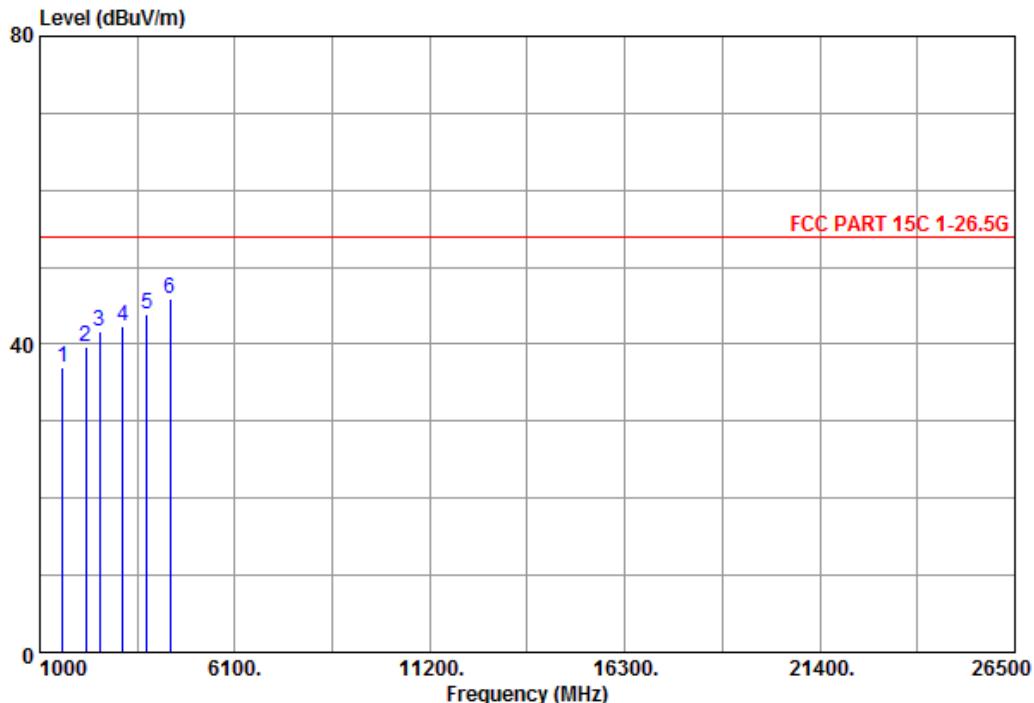
Remark :

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Horizontal  
Test Mode : Mode 5

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 39



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1586.500	47.63	-10.70	36.93	54.00	-17.07	---	---	
2 2198.500	47.83	-8.23	39.60	54.00	-14.40	---	---	
3 2555.500	48.70	-7.13	41.57	54.00	-12.43	---	---	
4 3167.500	47.62	-5.35	42.27	54.00	-11.73	---	---	
5 3805.000	47.51	-3.52	43.99	54.00	-10.01	---	---	
6 4417.000	47.01	-1.17	45.84	54.00	-8.16	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data    x : Over Limit

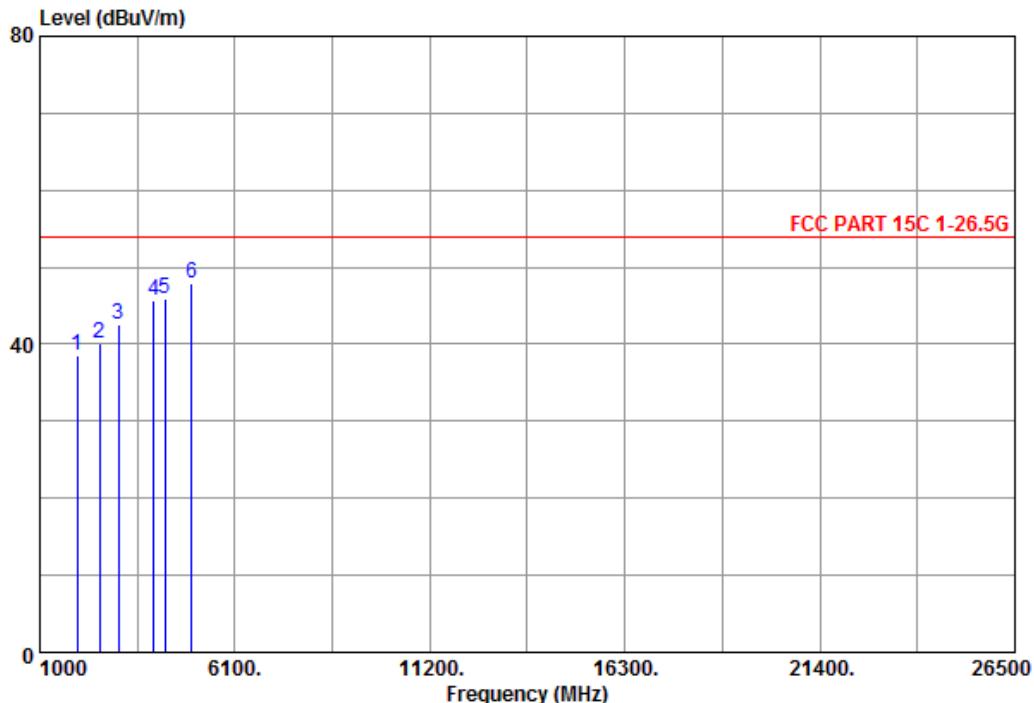
**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 5

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 38



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1969.000	47.59	-8.94	38.65	54.00	-15.35	---	---	
2 2555.500	47.27	-7.13	40.14	54.00	-13.86	---	---	
3 3065.500	48.18	-5.64	42.54	54.00	-11.46	---	---	
4 3983.500	48.78	-2.99	45.79	54.00	-8.21	---	---	
5 4264.000	47.74	-1.83	45.91	54.00	-8.09	---	---	
6 04978.000	46.76	1.22	47.98	54.00	-6.02	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data    x : Over Limit

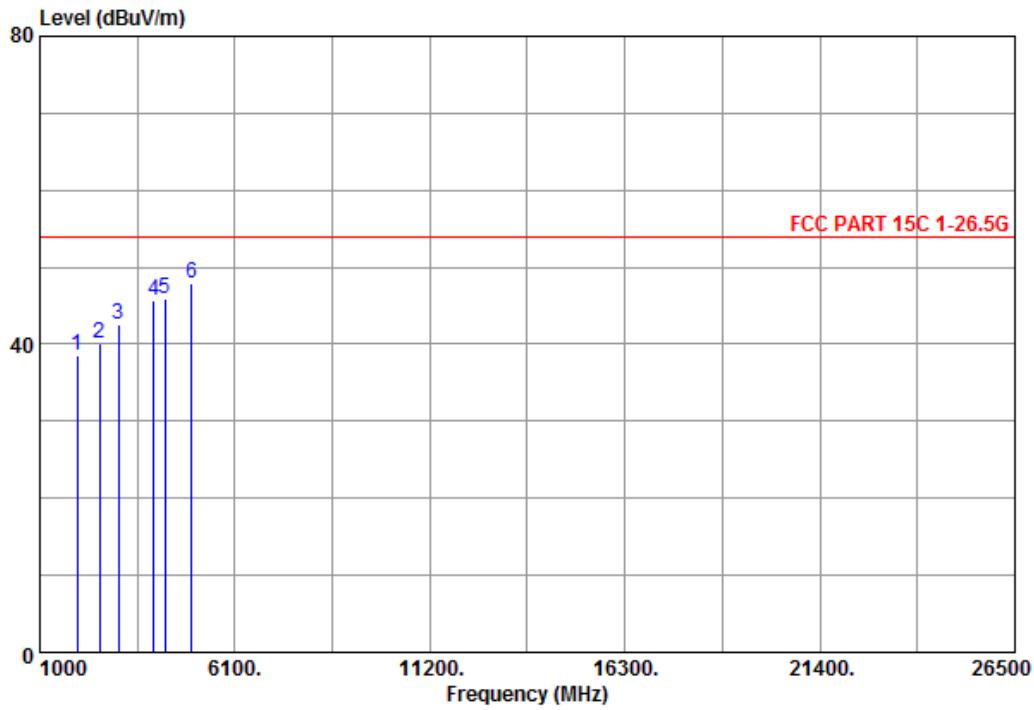
**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Horizontal  
Test Mode : Mode 5

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 38



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1969.000	47.59	-8.94	38.65	54.00	-15.35	---	---	
2 2555.500	47.27	-7.13	40.14	54.00	-13.86	---	---	
3 3065.500	48.18	-5.64	42.54	54.00	-11.46	---	---	
4 3983.500	48.78	-2.99	45.79	54.00	-8.21	---	---	
5 4264.000	47.74	-1.83	45.91	54.00	-8.09	---	---	
6 64978.000	46.76	1.22	47.98	54.00	-6.02	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data    x : Over Limit

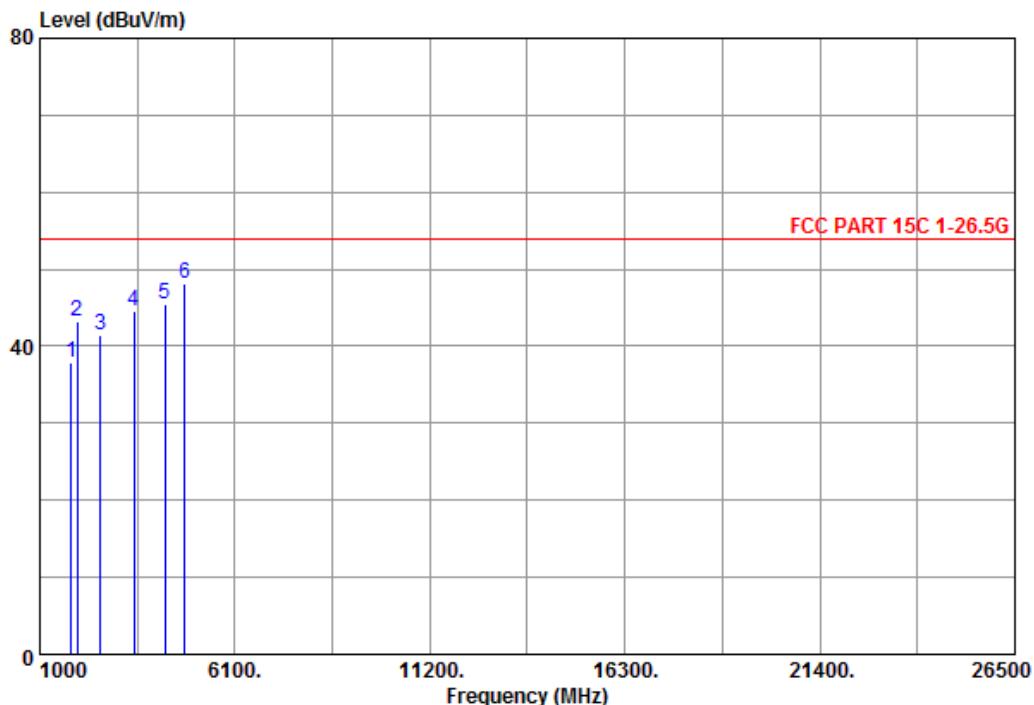
**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Horizontal  
Test Mode : Mode 6

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 79



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1816.000	47.55	-9.63	37.92	54.00	-16.08	---	---	
2 1969.000	52.11	-8.94	43.17	54.00	-10.83	---	---	
3 2581.000	48.55	-7.09	41.46	54.00	-12.54	---	---	
4 3473.500	48.95	-4.46	44.49	54.00	-9.51	---	---	
5 4264.000	47.33	-1.83	45.50	54.00	-8.50	---	---	
6 04799.500	47.55	0.49	48.04	54.00	-5.96	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data    x : Over Limit

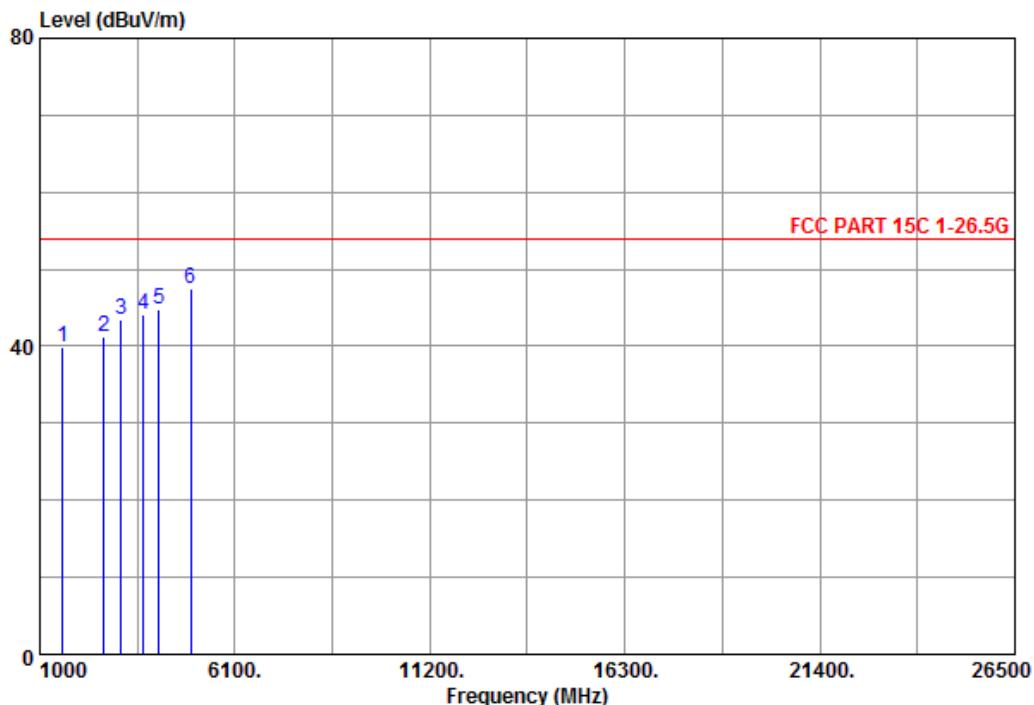
**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 6

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 79



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1586.500	50.69	-10.70	39.99	54.00	-14.01	---	---	
2 2683.000	47.90	-6.78	41.12	54.00	-12.88	---	---	
3 3116.500	49.05	-5.54	43.51	54.00	-10.49	---	---	
4 3703.000	47.89	-3.82	44.07	54.00	-9.93	---	---	
5 4111.000	47.28	-2.48	44.80	54.00	-9.20	---	---	
6 04952.500	46.42	1.08	47.50	54.00	-6.50	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

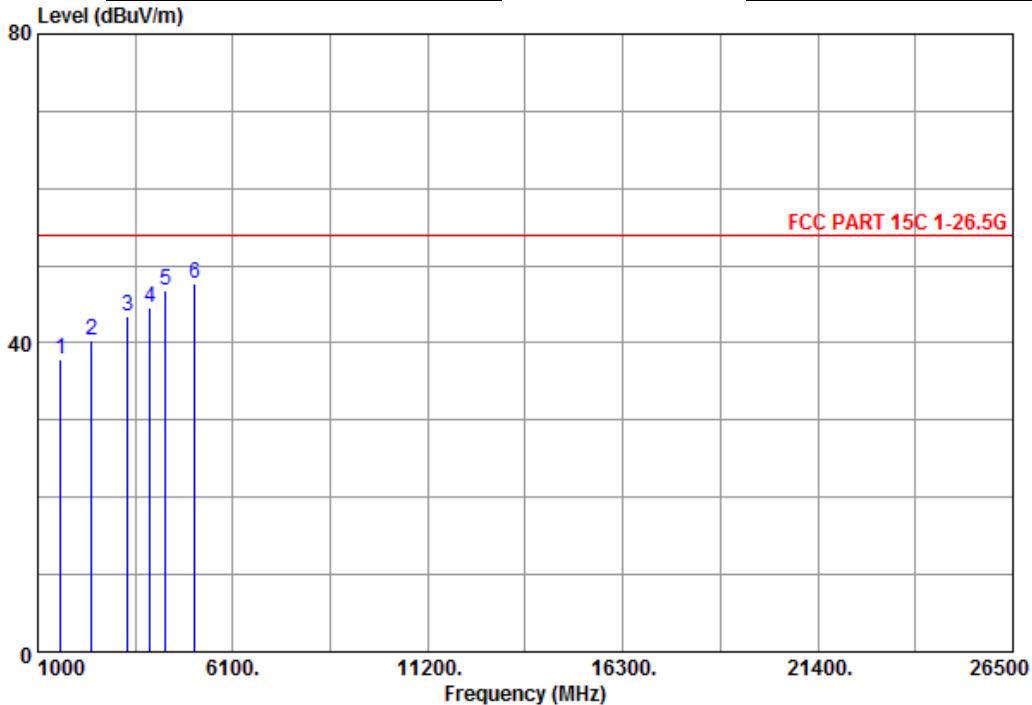
@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - i. Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - ii. Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C      Humidity : 33%  
Test Date : 09-Oct-2013      Tested by : Kidd Liao  
Polarization : Horizontal      Channel : 00  
Test Mode : Mode 7



	Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1	1586.500	48.61	-10.70	37.91	54.00	-16.09	---	---	
2	2402.500	48.02	-7.63	40.39	54.00	-13.61	---	---	
3	3346.000	48.38	-4.85	43.53	54.00	-10.47	---	---	
4	3932.500	47.75	-3.19	44.56	54.00	-9.44	---	---	
5	4340.500	48.23	-1.53	46.70	54.00	-7.30	---	---	
6	05105.500	46.16	1.61	47.77	54.00	-6.23	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data      x : Over Limit

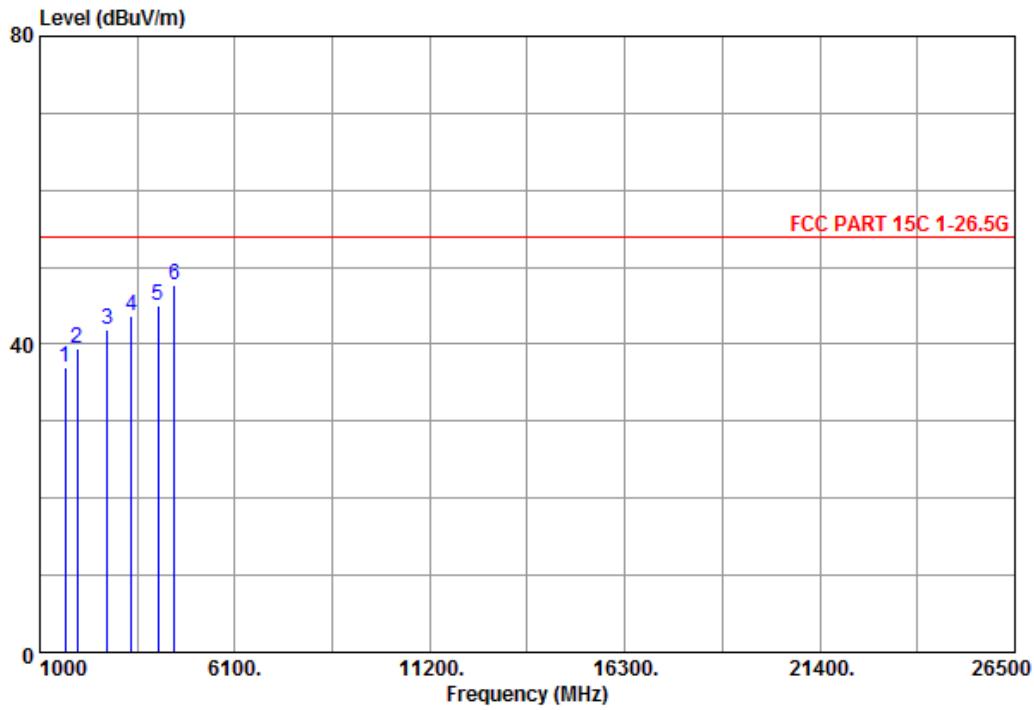
**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.

**Radiated Emission Test Data (Above 1 GHz)**

Temperature : 26°C  
Test Date : 09-Oct-2013  
Polarization : Vertical  
Test Mode : Mode 7

Humidity : 33%  
Tested by : Kidd Liao  
Channel : 00



Freq	Reading	C.F	Result	Limit	Margin	A/pos	T/pos	Remark
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1 1663.000	47.37	-10.32	37.05	54.00	-16.95	---	---	
2 1969.000	48.47	-8.94	39.53	54.00	-14.47	---	---	
3 2759.500	48.36	-6.54	41.82	54.00	-12.18	---	---	
4 3397.000	48.47	-4.70	43.77	54.00	-10.23	---	---	
5 4085.500	47.50	-2.55	44.95	54.00	-9.05	---	---	
6 04519.000	48.42	-0.74	47.68	54.00	-6.32	---	---	

C.F = Antenna Factor + Cable Loss - Preamp gain  
Result = Reading + C.F ; Margin = Result - Limit

@ : Maximum Data    x : Over Limit

**Remark :**

1. Measuring frequencies from 1 GHz to the 10<sup>th</sup> harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. All readings are Peak values. None of the peak value reading exceeds the A.V. limit. Hence, A.V. reading was not measured.
5. Spectrum setting:
  - (a) Peak Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = VBW = 1MHz, Sweep = AUTO.
  - (b) Average Setting 1GHz to 10<sup>th</sup> harmonics of fundamental, RBW = 1MHz, VBW = 10Hz, Sweep = AUTO.