

FCC Test Report

FCC EVALUATION REPORT FOR CERTIFICATION	
Project Reference No.	248448
Product	MIRROR ²
Brand Name	N/A
Model	PF328
Alternate Model	N/A
Tested according to	FCC Rules and Regulations Part 15 Subpart C 2013, 15.247 ANSI C63.4-2009

Tested in period	2013-12-05 to 2013-12-13
Issued date	2013-12-15
Name and address of the Test House	 Nemko Shanghai Ltd Shenzhen Branch Unit CD, Floor 10, Tower 2, Kefa Road 8#, Hi-Technology Park, Nanshan District, Shenzhen, China Phone : +86 755 8221 0420 Fax : +86 755 8221 3363
Tested by	 2013-12-15 Zone Peng date
Verified by	 2013-12-16 Daria Liu date

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1. Client Information

1.1 Applicant

Company Name:	Platform2 International Limited
Company Address:	ROOM 905, SEAPOWER CENTRE, 73 LEI MUK ROAD, KWAI CHUNG, N.T., Hongkong

1.2 Manufacturer

Company Name:	Plastoform Electronics (Shenzhen) Company Limited
Company Address:	Building 16, 21, B District The 1st Industrial Zone, Gonghe Community, Shajing Street, Baoan District, China

1.3 Scope

- Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission under FCC part 15.247.



2. Equipment under Test (EUT)

2.1 Identification of EUT

Category: Bluetooth
Name: MIRROR²
Model Name: PF328
Alternate model: N/A
Brand name: N/A

2.2 Detail spec:

Carrier Frequency: 2402MHz~2480MHz

Number of Channel: 79

Output Power: -2.393dBm

Modulation Type: Bluetooth(GFSK, $\pi/4$ DQPSK, 8DPSK)

Mode of operation (duplex, simplex, half duplex) : duplex

Antenna Type: Integral Antenna

Antenna gain: 2 dBi

2.3 Additional Information Related to Testing

CHL : CH 1 2402MHz

CHM : CH 39 2441MHz

CHH : CH 79 2480MHz

3. General Test Conditions

3.1 Location

AUDIX Technology (Shenzhen) Co., Ltd-ELA 135

No.6, Ke Feng Rd.,52 Block ,Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

FCC Registration No.:90454

Industry Canada Registration No.: 5183

Note: all test are witnessed by NEMKO engineer

3.2 Operating Environment

All tests and measurements were performed in a shielded enclosure or a controlled environment suitable for the tests conducted. The climatic conditions in the test area are automatically controlled and recorded continuously.

Parameters	Recording during test	Accepted deviation
Ambient temperature	20-25°C	15 – 35 °C
Relative humidity	45-55%	30 - 60%
Atmospheric pressure	101.2 kPa -101.3kPa	86-106kPa

3.3 Operating During Test

Test mode: 5Vdc 1A Full charged battery

TM1 : continuance TX MODE

TM2: Hopping on mode

Remark : When measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, have been performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. No findable change appear.

And only choose the worse mode to be the representative test mode

3.4 Test Equipment

The test equipments used in testing are calibrated on a regular basis. For most of the testing equipments accredited calibration is conducted once a year. For certain equipment the calibration interval is longer. Between the calibrations all test equipment are controlled and verified on a regular basis. The test equipments used are defined in each test section of this report.

AE Equipment:

USB Cable: Shielded, Detachable, 1.8m(Bonded two ferrite cores) X1

Power Cord : Unshielded, Detachable, 1.8m (3pins) X2

Manufacturer	Description	Model	Serial Number	Approval
DELL	Notebook	Vostro 1400	027948	FCC DOC

4. Measurement Uncertainty

The Measurement Uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 with the confidence level of 95 %.

Conducted Emission : 0.15~30MHz 3.45dB

Radiated Emission: 30MHz~1000MHz 4.50dB

1GHz-18GHz 4.70dB

5. Conducted Emission (150 KHz to 30 MHz)

5.1 Test Procedure

An intentional radiator that 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 the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15–0.5	66 to 56*	56 to 46*
0.5–5	56	46
5–30	60	50
*-Decreases with the logarithm of the frequency.		

5.2 Measurement Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 13	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 13	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 13	1 Year
4.	Terminator	Hubersuhner	50 Ω	No. 1	May.08, 13	1 Year
5.	Terminator	Hubersuhner	50 Ω	No. 2	May.08, 13	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 13	1Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 13	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 13	1 Year
9.	Oscilloscope	Tektronix	TDS3052B	B026036	May.20, 13	1 Year

5.3 Test Result

The EUT was placed on a non-metallic table, 80cm above the ground plane. The other peripheral devices power cord connected to the power mains through another line impedance stabilization network. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2009 on conducted Emission test.

Preview measurements:

0.15 MHz to 30 MHz

Receiver settings: PK&AV detector

RBW:9 kHz

Final measurement:

0.15 MHz to 30 MHz

Receiver settings:QP&AV detector

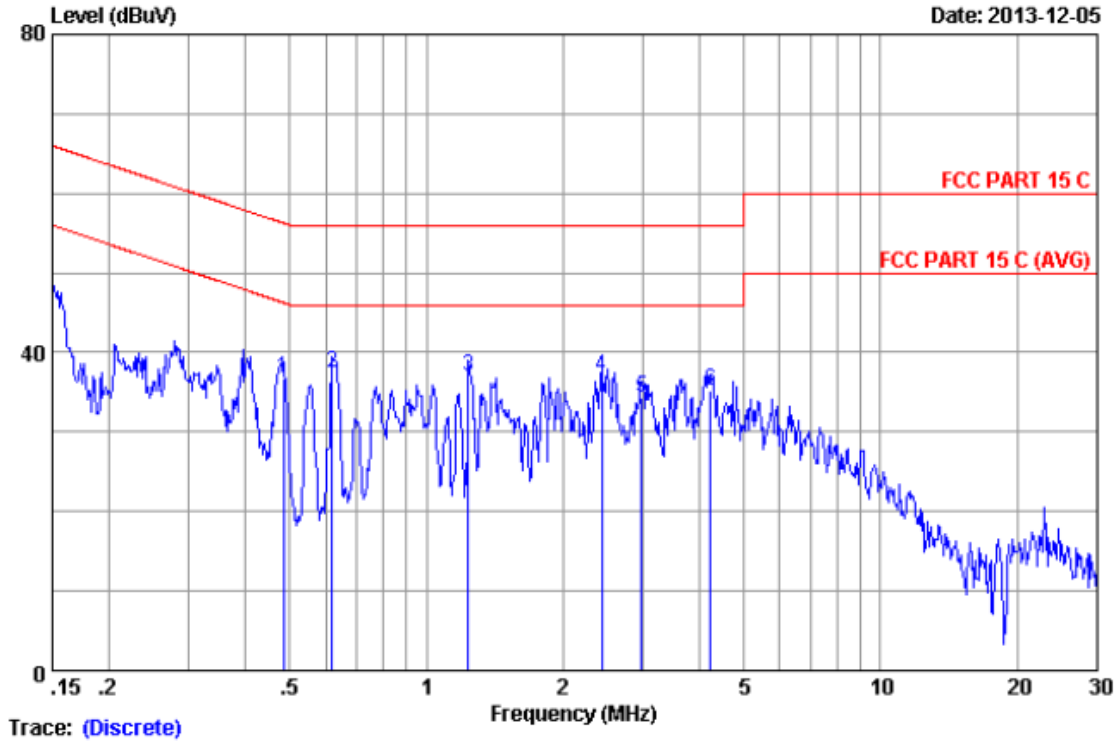
Test mode	Power Line	Test Data	Test Result
TX MODE	Line	Diagram 5-1	Pass
	Neutral	Diagram 5-2	Pass

NOTES:

- Measurements using CISPR quasi-peak mode & average mode.

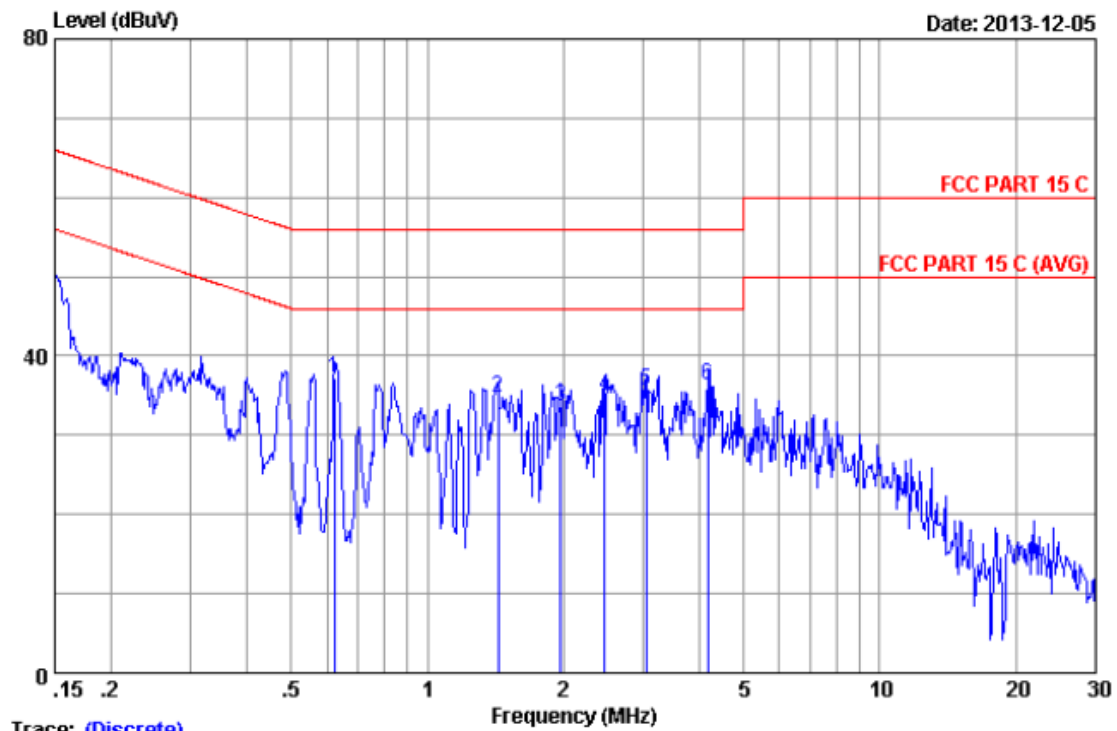
2. All modes of operation were investigated and the worst -case emission are reported.
3: If PK value is lower than AV limit then no reading value listed in report .If QP value is Lower than AV limit ,then AV value don't listed in report.

5.3.1 Diagram 5-1



No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.48375	0.23	0.02	36.54	36.79	56.27	19.48	QP
2	0.62054	0.24	0.02	37.10	37.36	56.00	18.64	QP
3	1.236	0.25	0.03	36.74	37.02	56.00	18.98	QP
4	2.435	0.29	0.04	36.62	36.95	56.00	19.05	QP
5	2.978	0.31	0.05	34.02	34.38	56.00	21.62	QP
6	4.224	0.33	0.06	34.92	35.31	56.00	20.69	QP

5.3.2 Diagram 5-2



No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.62383	0.20	0.02	37.00	37.22	56.00	18.78	QP
2	1.433	0.23	0.03	34.40	34.66	56.00	21.34	QP
3	1.970	0.24	0.04	33.26	33.54	56.00	22.46	QP
4	2.461	0.26	0.04	34.73	35.03	56.00	20.97	QP
5	3.041	0.27	0.05	35.24	35.56	56.00	20.44	QP
6	4.158	0.30	0.06	36.02	36.38	56.00	19.62	QP

6. Radiated Electromagnetic Disturbances

6.1 Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast.

The EUT were rotated 0 to 360 degree and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. The test result are reported as below.

For below 1GHz

RBW=120 kHz; VBW=300KHz. The frequency range from 30MHz to 1000MHz is checked using QP detector .

For above 1GHz. The frequency range from 1GHz to 25GHz(10th harmonics) is checked.

RBW=1MHz ; VBW=1MHz, PK detector for peak emissions measurement above 1GHz

6.2 Measurement Equipment

For Radiation Test 30MHz-1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.24, 13	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 13	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 13	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 13	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Dec.26, 13	2.0 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 13	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 13	1 Year

For Radiated Emission Test 1GHz-25GHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 13	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	June.05, 13	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 13	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 13	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 13	1 Year

6.3 Test Result

Mode	Freq range		Test ANT polarity	Diagram	Test Result
TX	30MHz-1GHz:		H	6-1	Pass
	30MHz-1GHz:		V	6-2	Pass
Mode	Freq range	Channel	Test ANT polarity	Diagram	Test Result
GFSK	1GHz-4GHz: 4GHz-18GHz:	CH LOW	H	6-3	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH LOW	V	6-4	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	H	6-5	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	V	6-6	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	H	6-7	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	V	6-8	Pass
Mode	Freq range	Channel	Test ANT polarity	Diagram	Test Result
8DPSK	1GHz-4GHz: 4GHz-18GHz:	CH LOW	H	6-9	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH LOW	V	6-10	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	H	6-11	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	V	6-12	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	H	6-13	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	V	6-14	Pass
Mode	Freq range	Channel	Test ANT polarity	Diagram	Test Result
$\pi/4$ DQPSK	1GHz-4GHz: 4GHz-18GHz:	CH LOW	H	6-15	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH LOW	V	6-16	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	H	6-17	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH MID	V	6-18	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	H	6-19	Pass
	1GHz-4GHz: 4GHz-18GHz:	CH HIGH	V	6-20	Pass

Remark:

If PK value is lower than AV limit , then Both PK and AV deem to comply their own limit .

- 1) GFSK ,8DPSK and $\pi/4$ DQPSK of operation were investigated , only the worse mode are reported.

- 2) All restriction band have been tested at both CHL,M and H , only reported the worse case as plots shown as below
- 3) No emission found at 9kHz to 30MHz and 18GHz to 25GHz.

NOTES:

- 1.All modes were measured and the worst case emission was reported.
2. H =Horizontal V=Vertical
3. Emission = Reading +Antenna Factor + Cable Loss –Amp Factor
4. Emission level dBμV = 20 log Emission level μV/m
5. The lower limit shall apply at the transition frequencies
6. All the emissions appearing within 15.205 Restricted bands shall not exceed the limits shown in 15.209,all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

Remark :

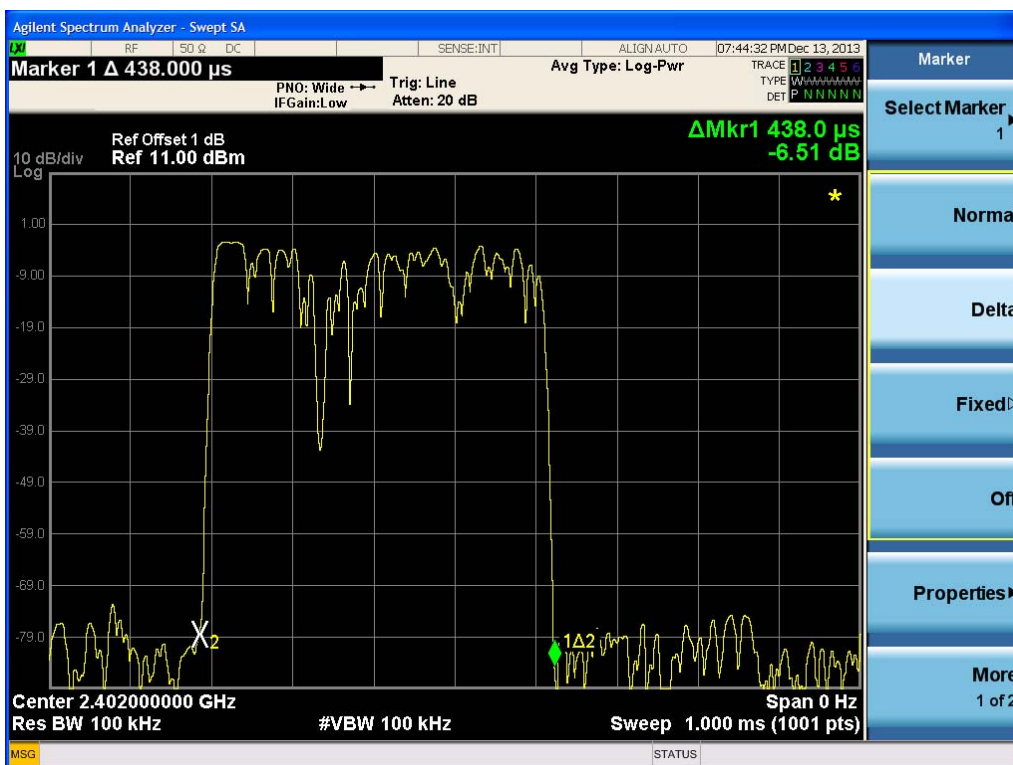
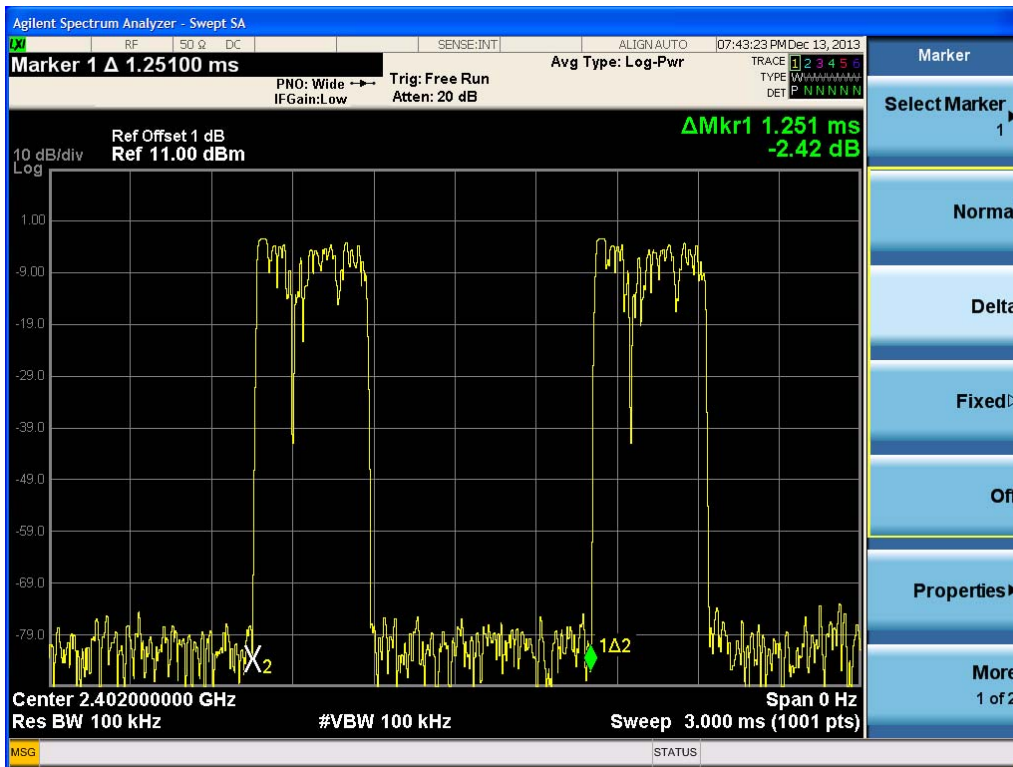
The limit of 15.209(a) of 3 meter distance is

Frequency MHz	Distance m	Field strength		Distance m	Field strength dBμV/m(QP)
		μV/m	dBμV/m(QP)		
30-88	3	100	40.0	10	30.0
88-216	3	150	43.5	10	33.5
216-960	3	200	46.0	10	36.0
960-1000	3	500	54.0	10	44.0
Above 1000	3	74.0 dBμV/m (PK) 54.0 dBμV/m (AV)		/	/

15.205 Restricted bands of operation:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

Worse Duty cycle and duty cycle factor calculate

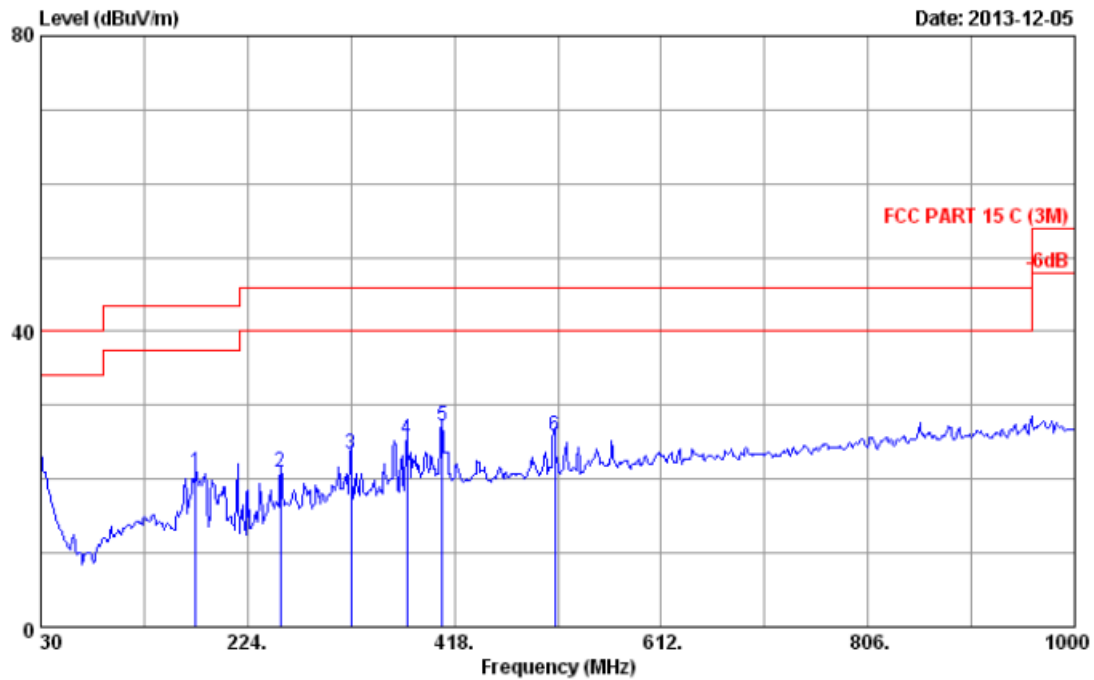


duty cycle=438/1251=35%

duty cycle Factor(abbreviation F)= $20\log(1/0.35)$ =9.12

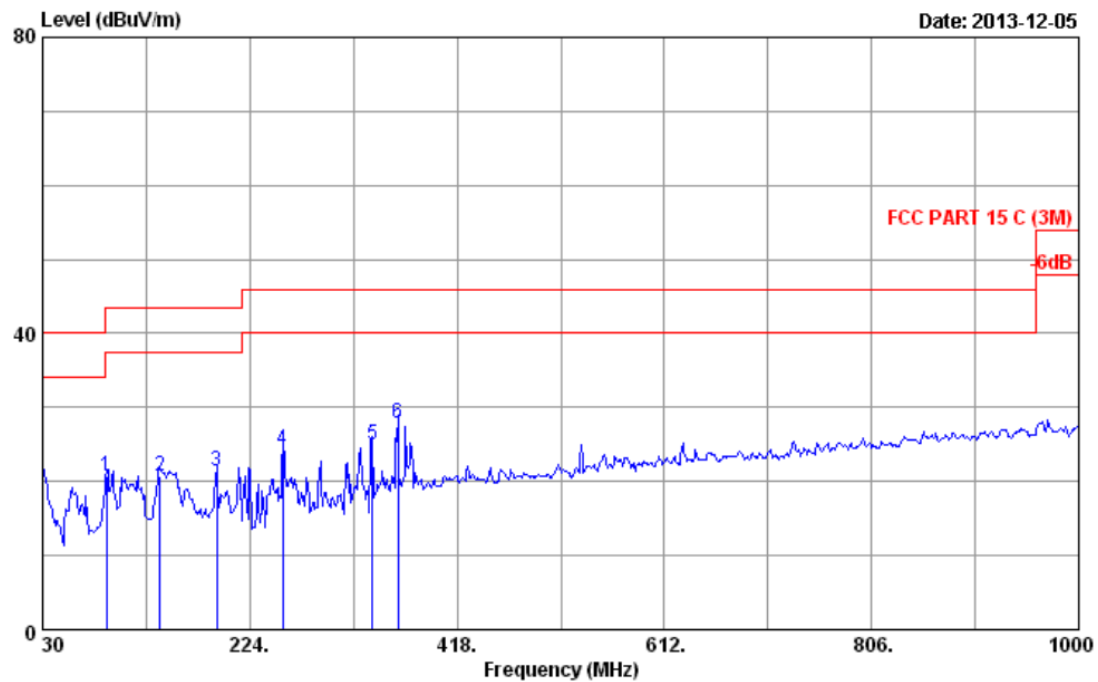
AV=Peak-F

6.3.1 Diagram 6-1



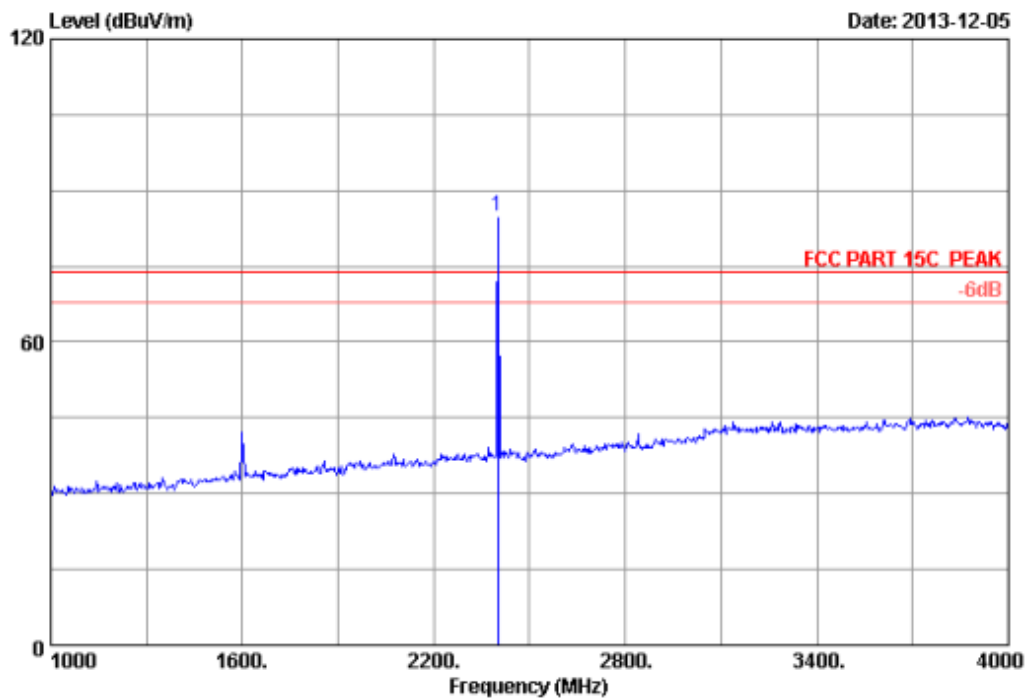
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	175.500	9.92	1.70	9.24	20.86	43.50	22.64	QP
2	255.040	13.46	2.00	5.46	20.92	46.00	25.08	QP
3	321.000	14.42	2.23	6.81	23.46	46.00	22.54	QP
4	373.380	15.77	2.38	7.29	25.44	46.00	20.56	QP
5	406.360	16.95	2.48	7.67	27.10	46.00	18.90	QP
6	512.090	18.20	2.78	4.93	25.91	46.00	20.09	QP

6.3.2 Diagram 6-2

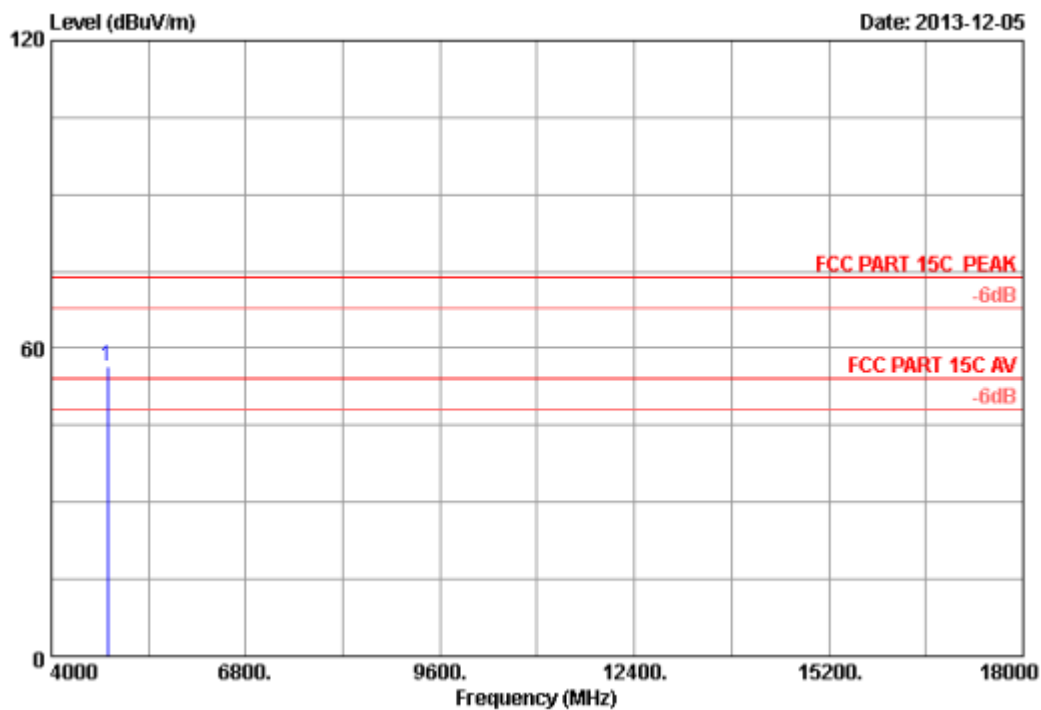
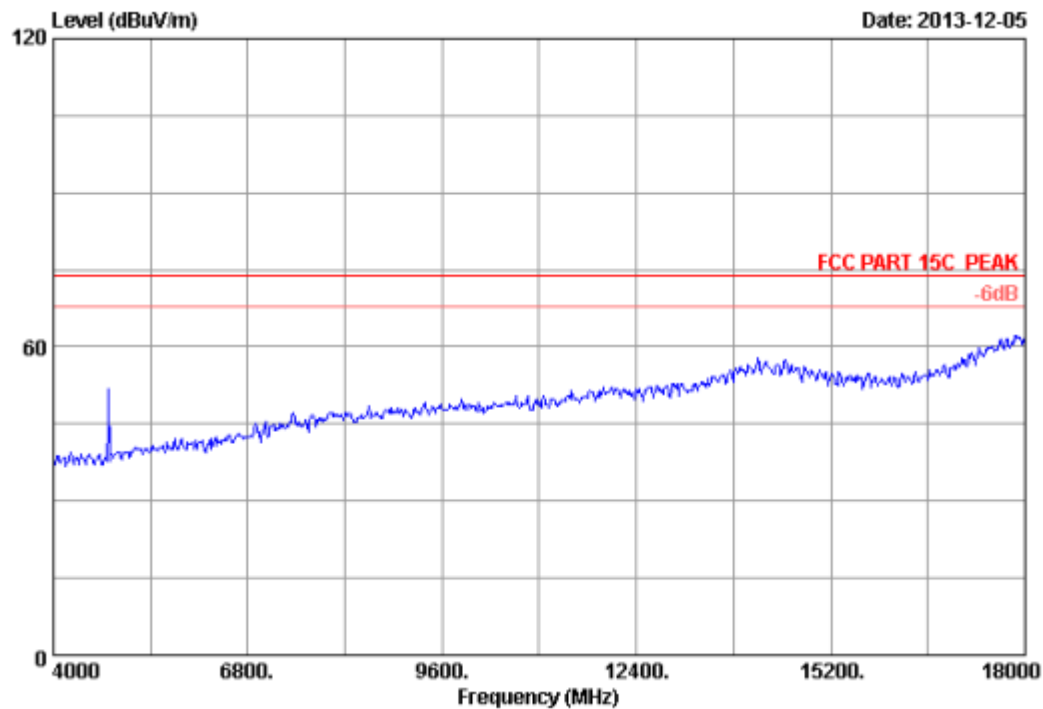


No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	90.140	9.43	1.37	9.86	20.66	43.50	22.84	QP
2	139.610	12.20	1.56	7.07	20.83	43.50	22.67	QP
3	192.960	9.75	1.76	9.77	21.28	43.50	22.22	QP
4	255.040	13.46	2.00	8.81	24.27	46.00	21.73	QP
5	338.460	14.94	2.28	7.74	24.96	46.00	21.04	QP
6	362.710	15.70	2.35	9.82	27.87	46.00	18.13	QP

6.3.3 Diagram 6-3

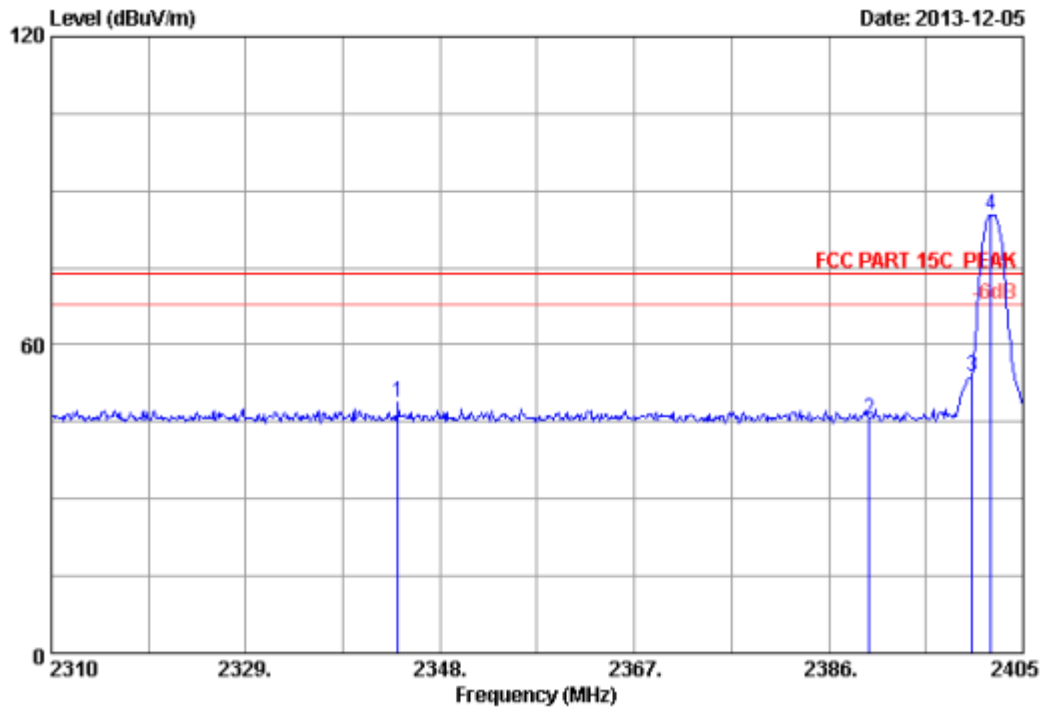


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.18	5.80	35.70	86.57	84.85			Peak



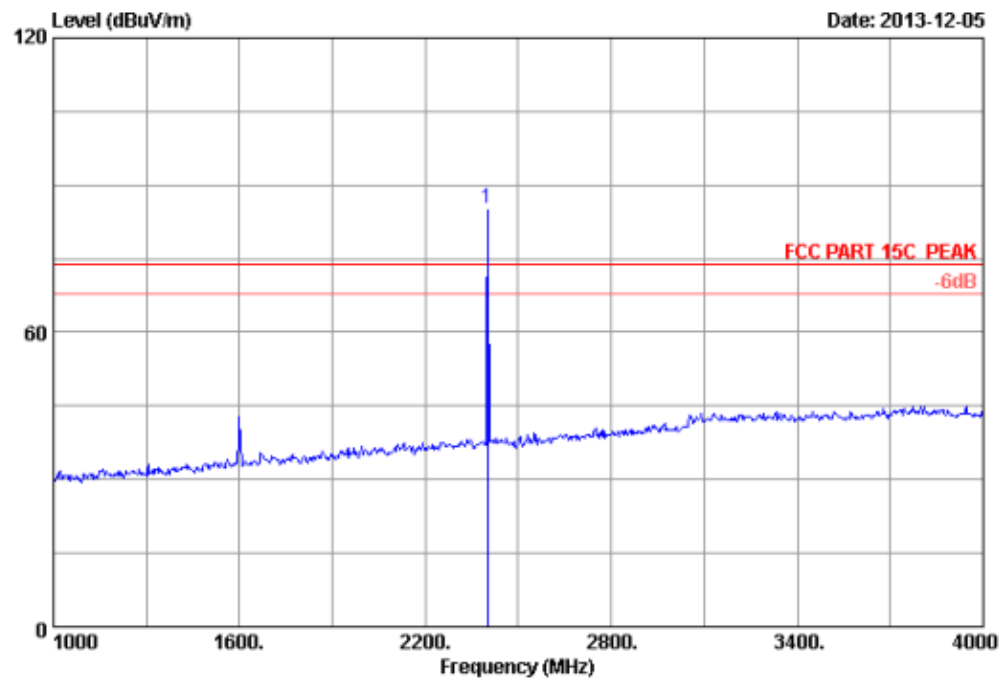
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	50.64	56.35	74.00	17.65	Peak

AV result of 4804.00MHz is Peak-F= 47.23dBuV/m

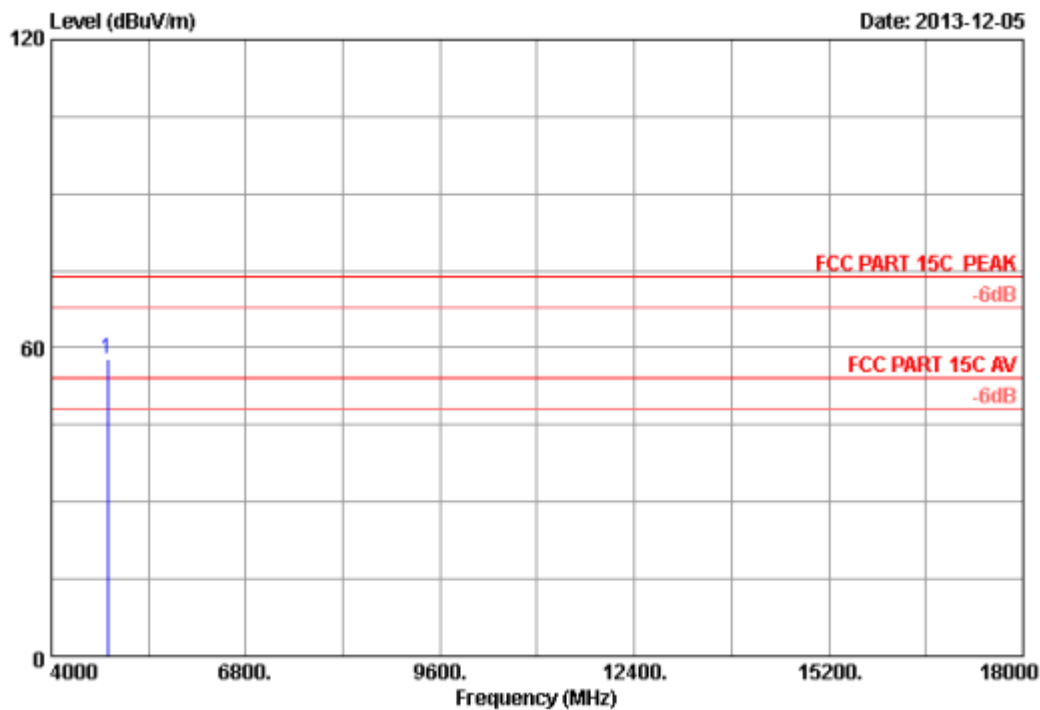
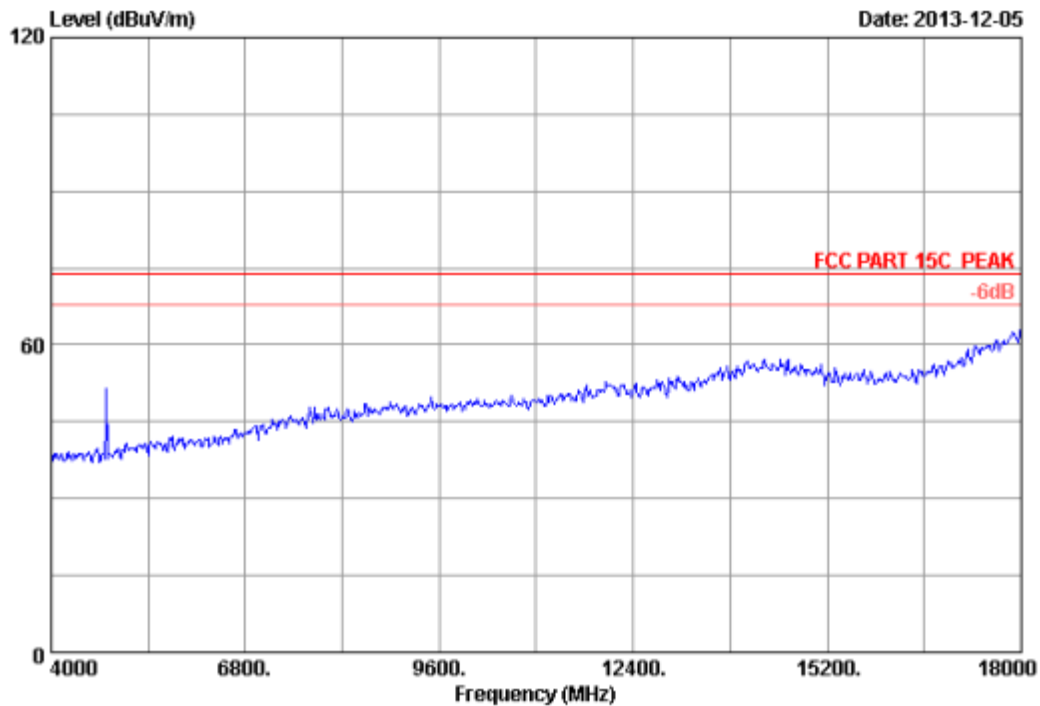


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2343.915	28.06	5.72	35.70	50.64	48.72	74.00	25.28	Peak
2	2390.000	28.16	5.78	35.70	47.23	45.47	74.00	28.53	Peak
3	2400.000	28.18	5.80	35.70	55.55	53.83	74.00	20.17	Peak
4	2401.865	28.18	5.80	35.70	86.94	85.22			Peak

6.3.4 Diagram 6-4

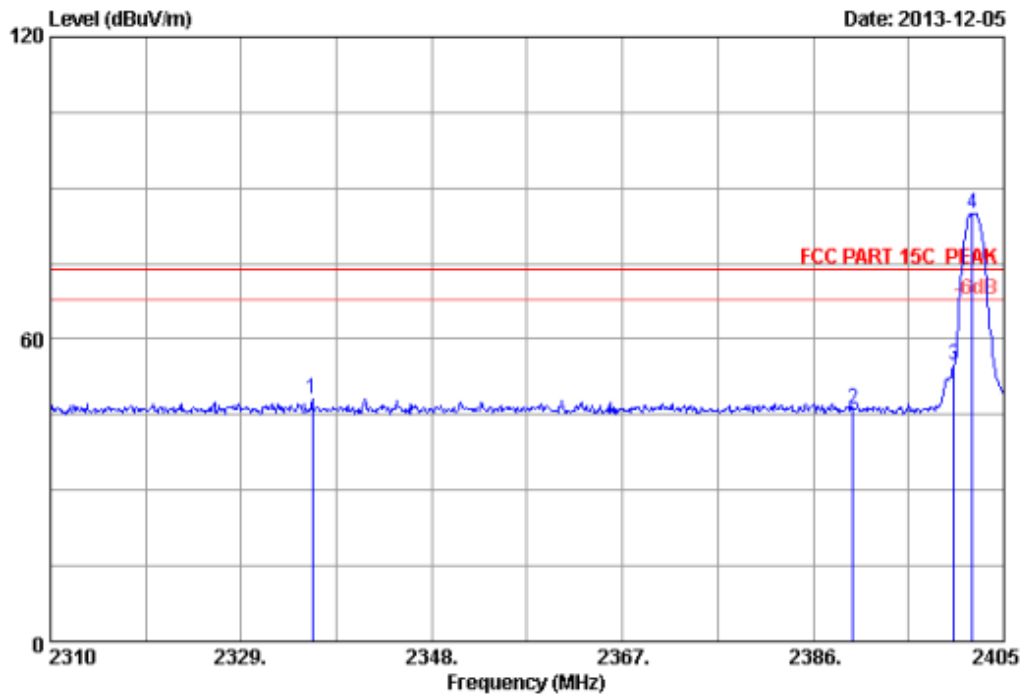


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.18	5.80	35.70	87.09	85.37			Peak



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	52.13	57.84	74.00	16.16	Peak

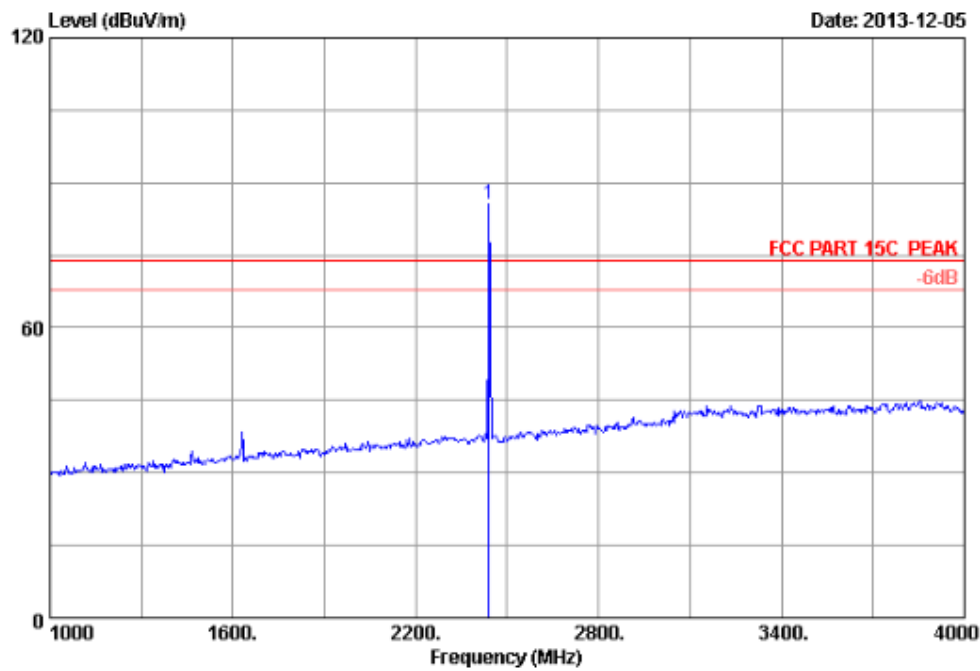
AV result of 4804.00MHz is Peak-F=48.72dBuV/m



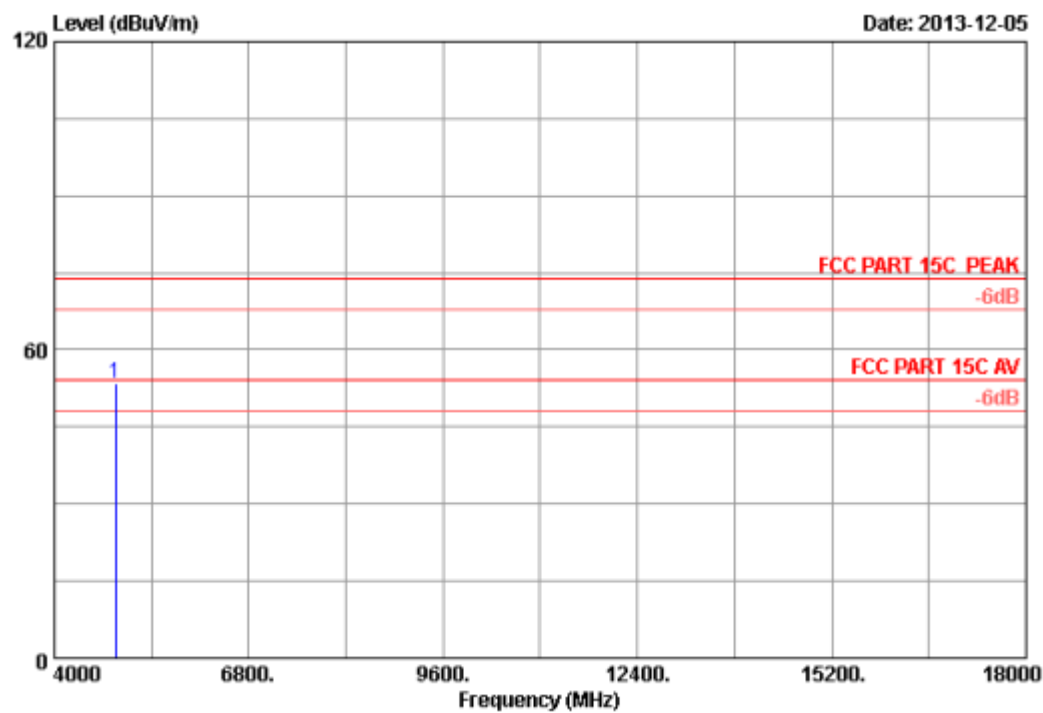
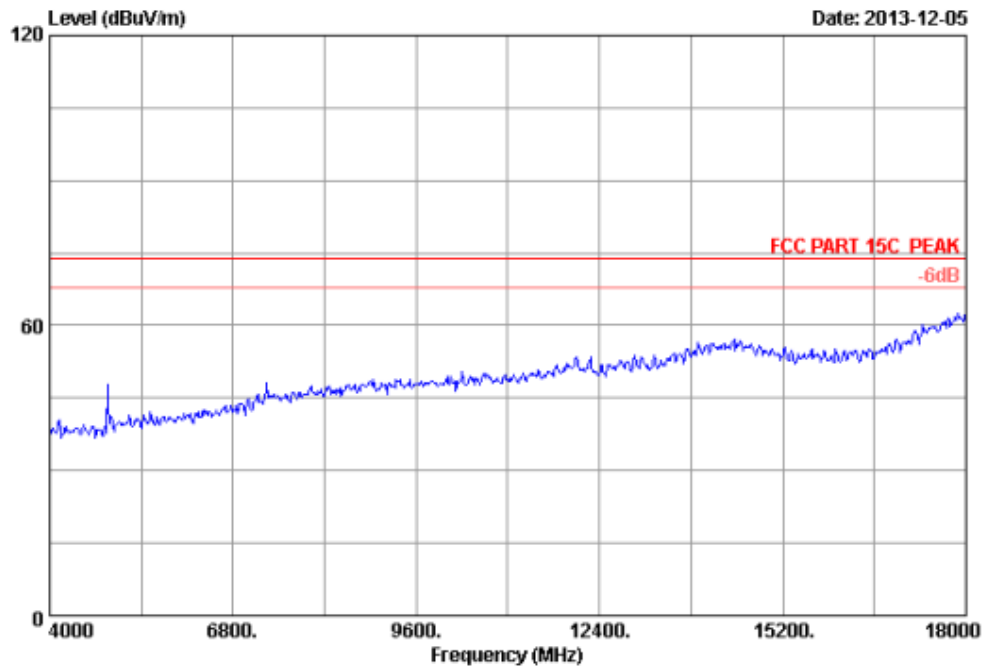
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2336.125	28.04	5.70	35.70	50.18	48.22	74.00	25.78	Peak
2	2390.000	28.16	5.78	35.70	47.95	46.19	74.00	27.81	Peak
3	2400.000	28.18	5.80	35.70	56.51	54.79	74.00	19.21	Peak
4	2401.865	28.18	5.80	35.70	86.71	84.99			Peak

AV result of 2400MHz is Peak-F=45.67 dBuV/m

6.3.5 Diagram 6-5

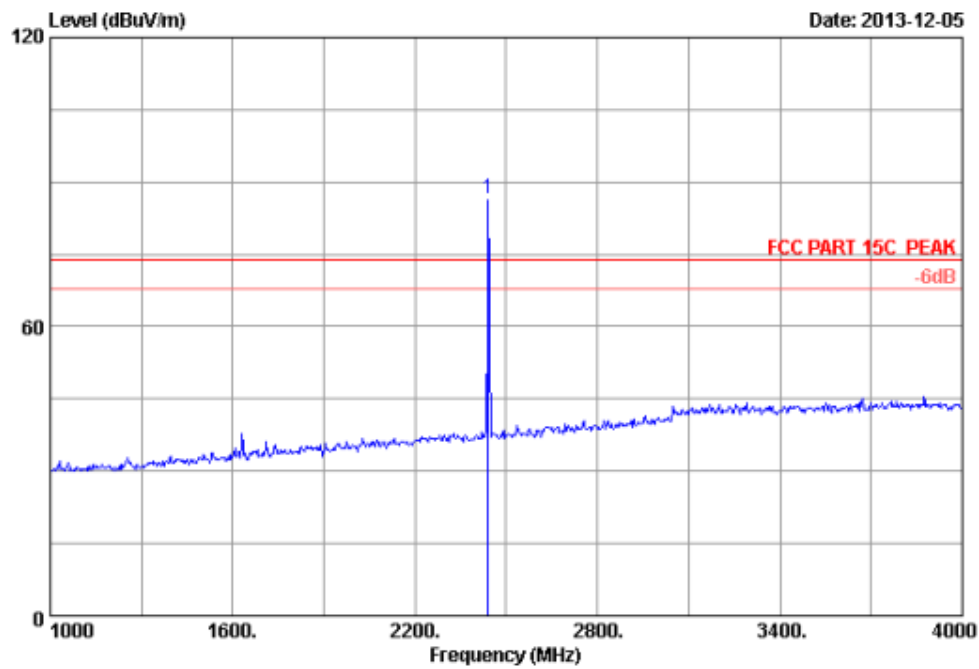


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.27	5.86	35.70	87.26	85.69			Peak

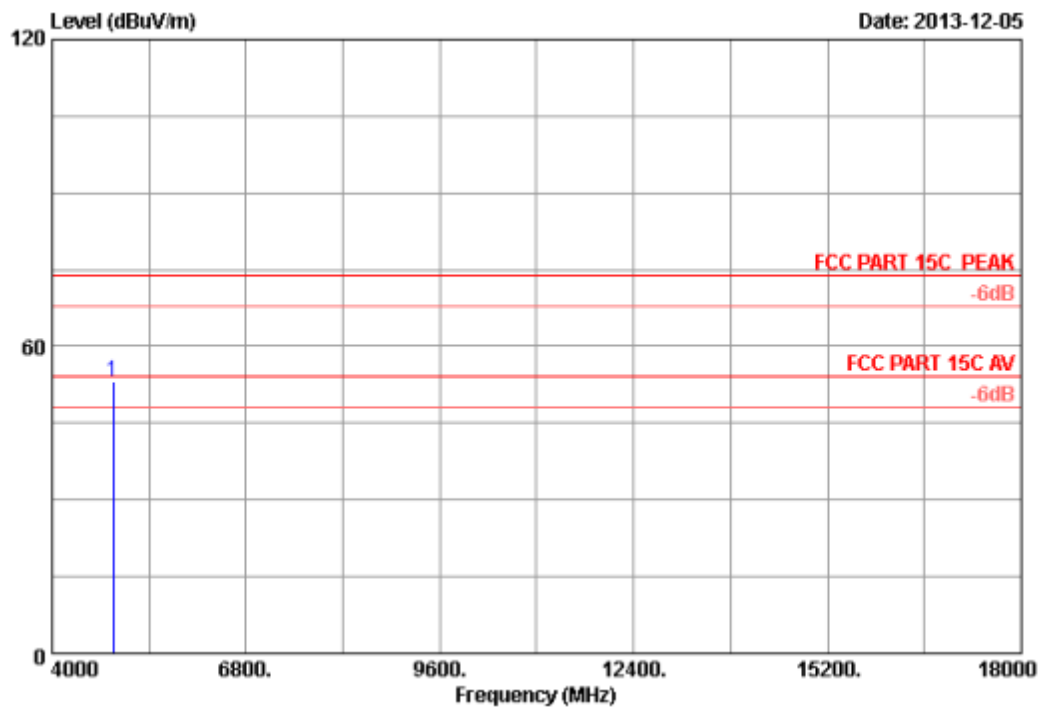
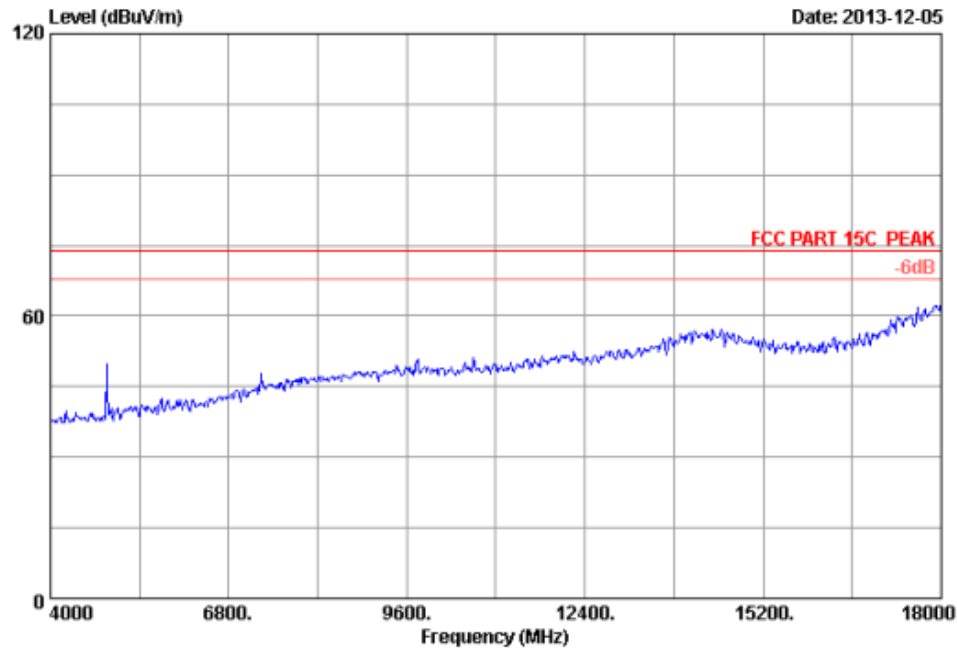


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.99	8.64	35.70	47.70	53.63	74.00	20.37	Peak

6.3.6 Diagram 6-6

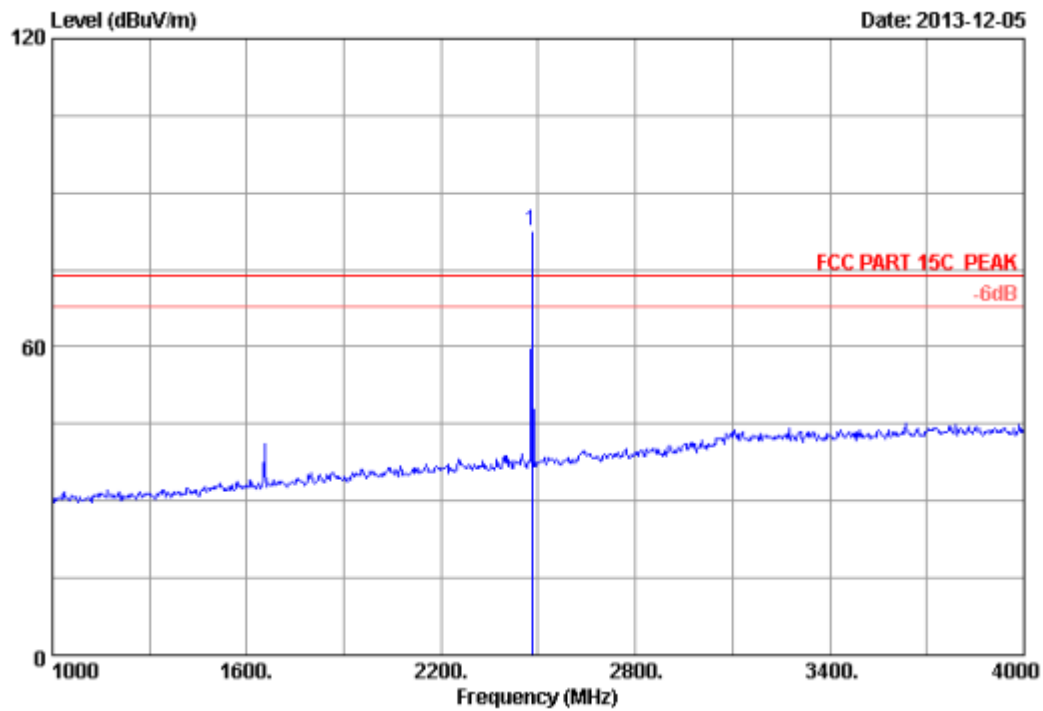


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.27	5.86	35.70	87.98	86.41			Peak

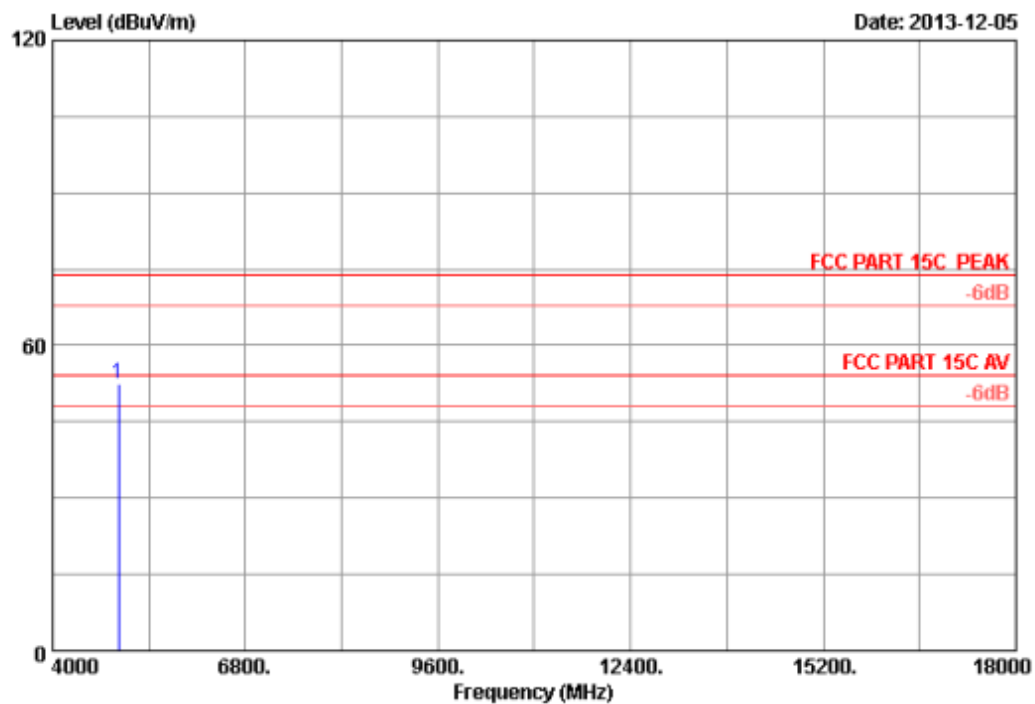
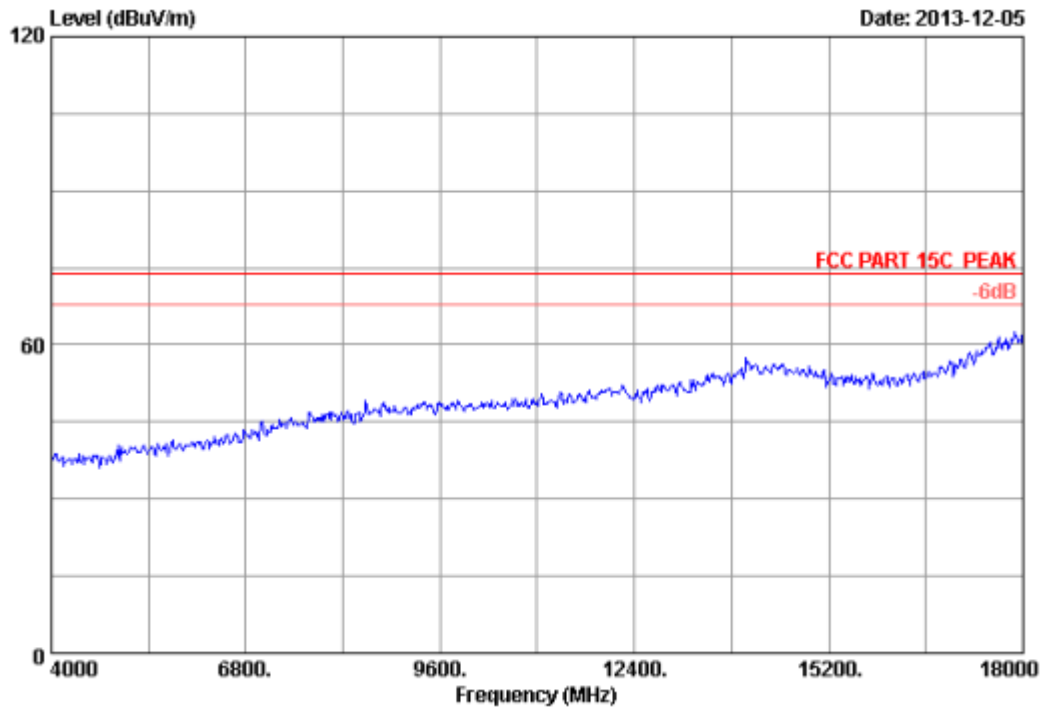


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.99	8.64	35.70	47.10	53.03	74.00	20.97	Peak

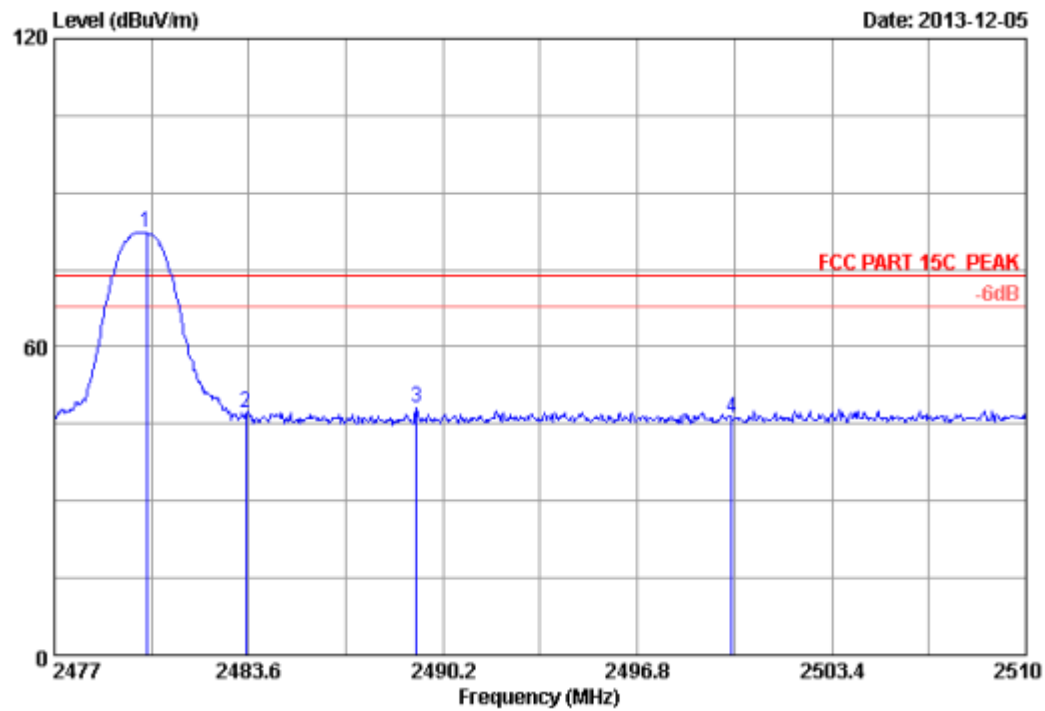
6.3.7 Diagram 6-7



		ant.	cable	amp.	EMISSION				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	28.36	5.91	35.70	84.07	82.64			Peak

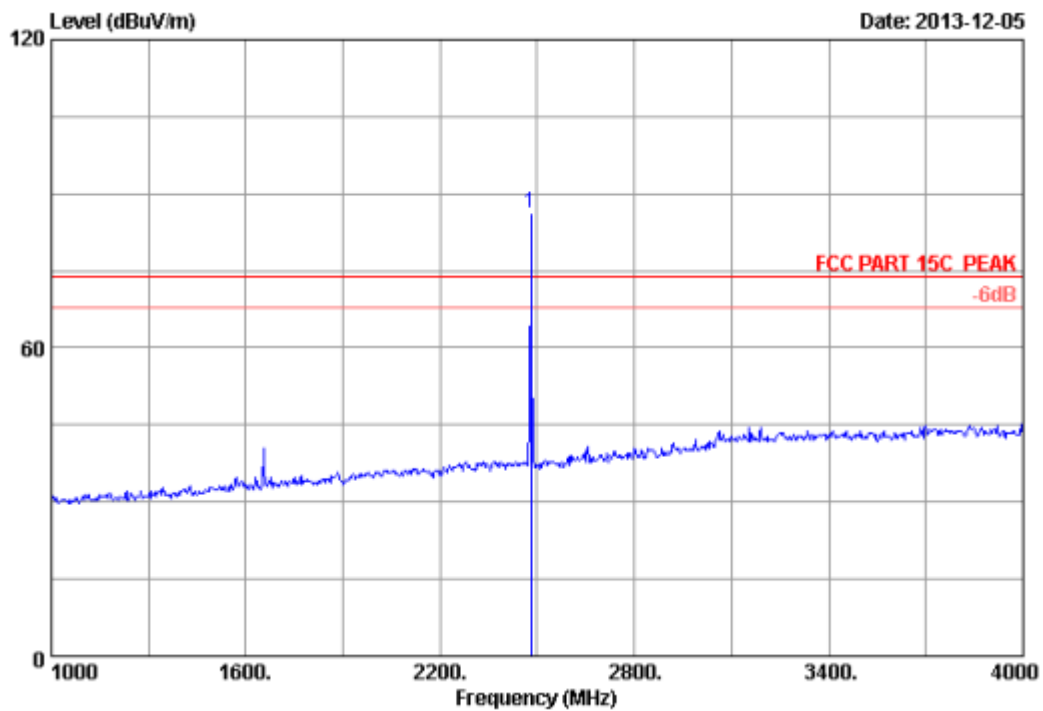


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	46.22	52.37	74.00	21.63	Peak

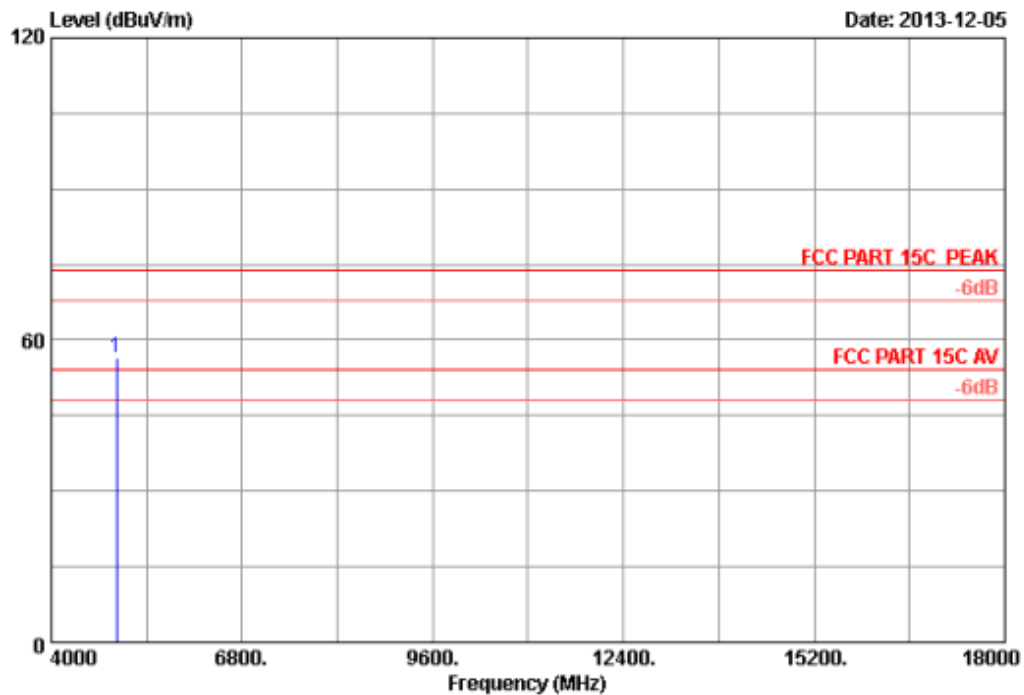
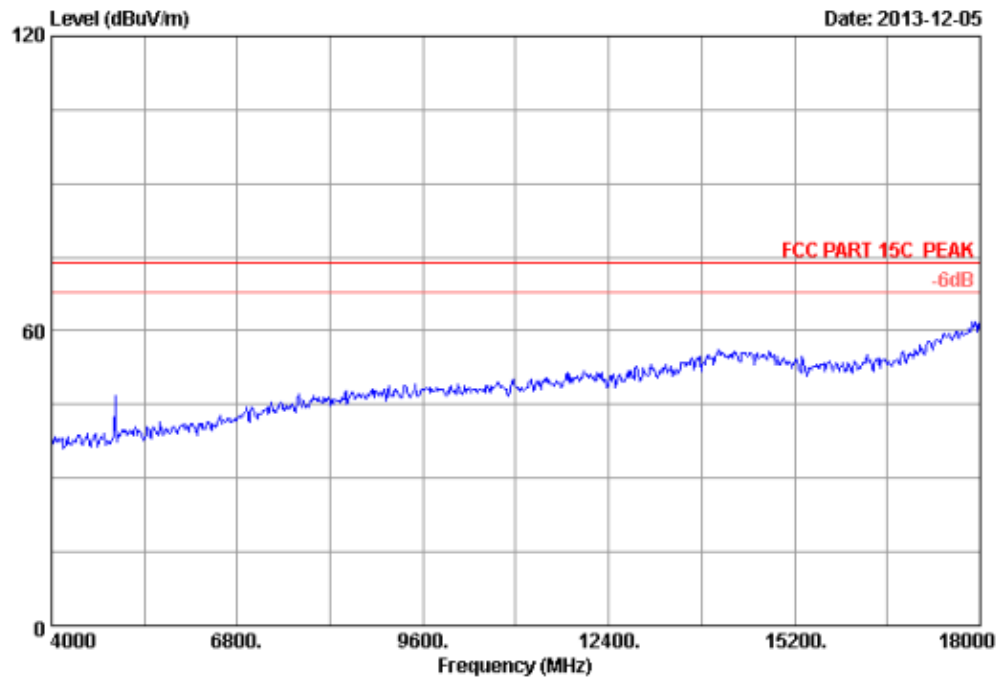


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.135	28.36	5.91	35.70	83.59	82.16			Peak
2	2483.500	28.36	5.92	35.70	48.41	46.99	74.00	27.01	Peak
3	2489.309	28.38	5.93	35.70	49.46	48.07	74.00	25.93	Peak
4	2500.000	28.40	5.94	35.70	47.47	46.11	74.00	27.89	Peak

6.3.8 Diagram 6-8

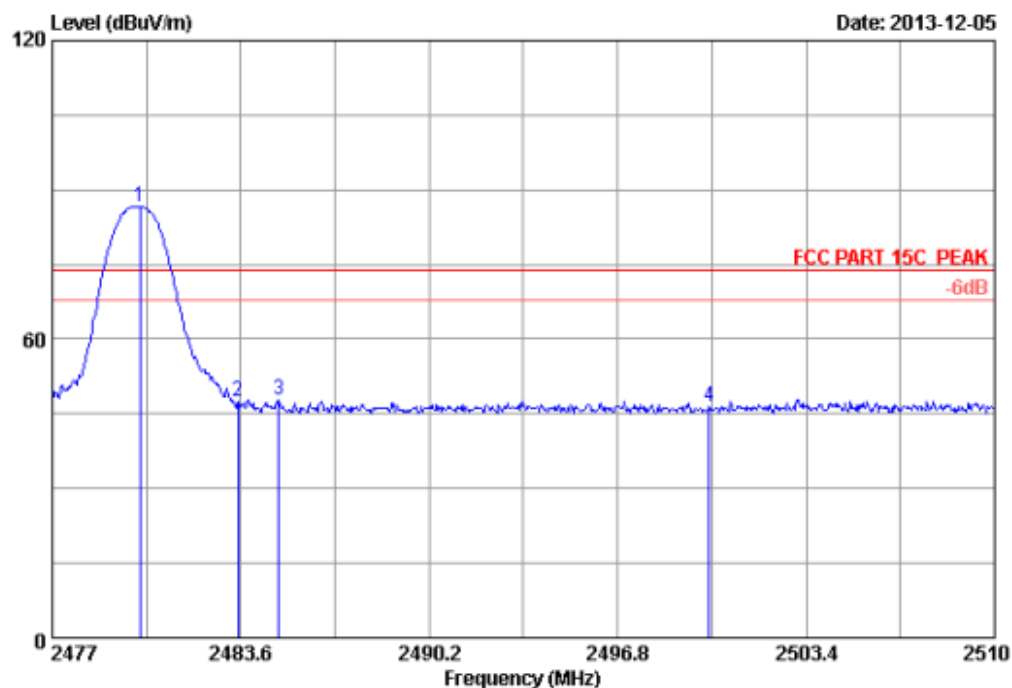


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	87.69	86.26			Peak



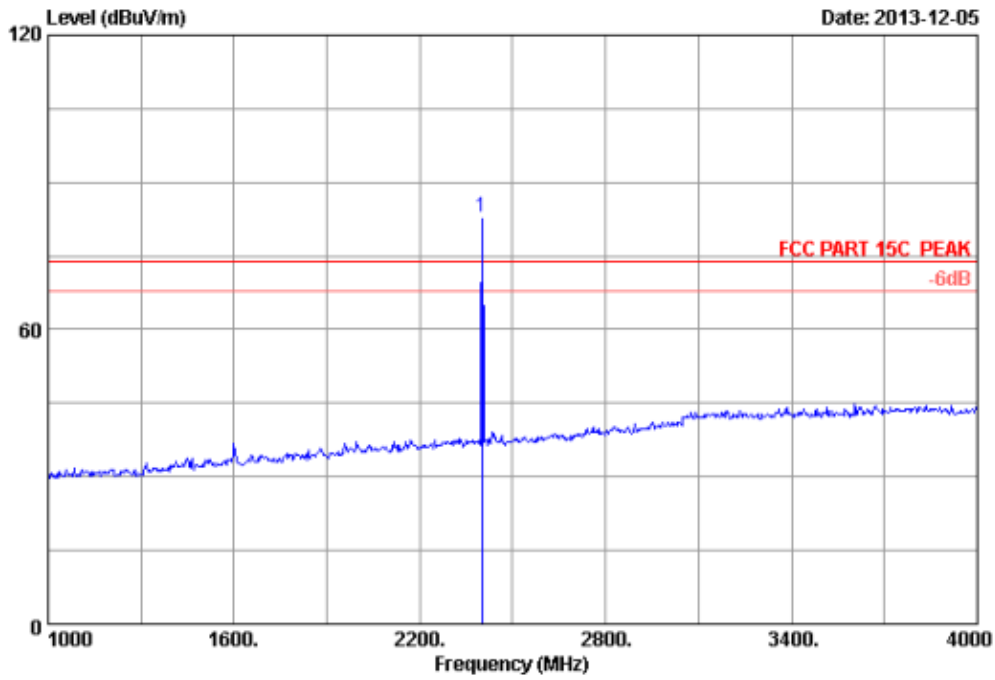
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	50.36	56.51	74.00	17.49	Peak

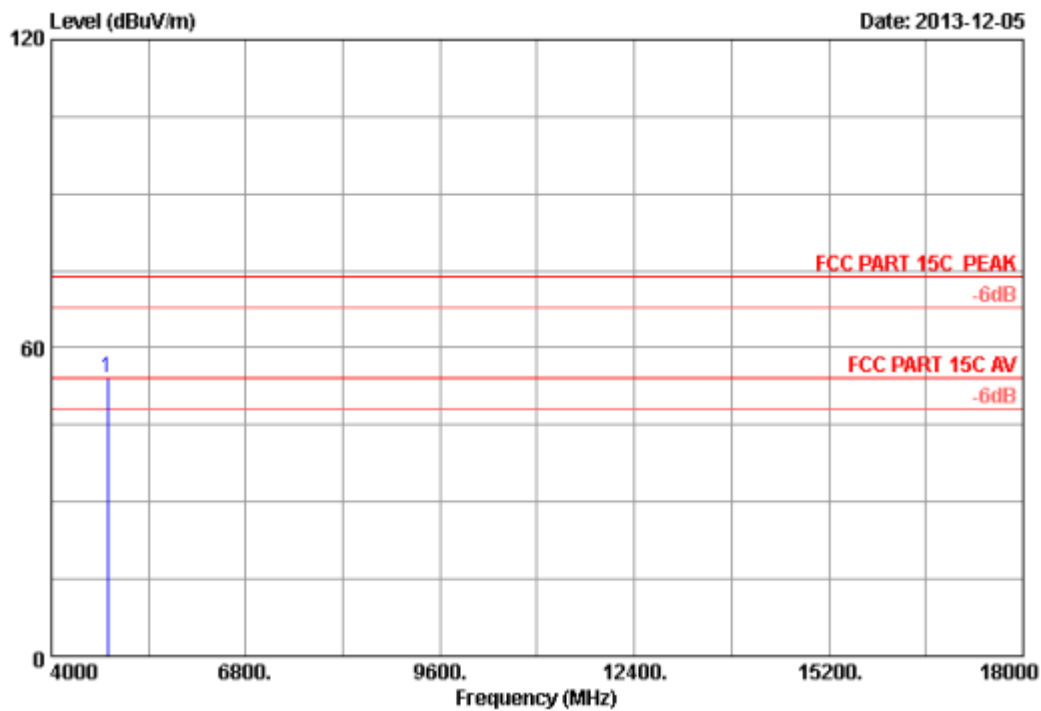
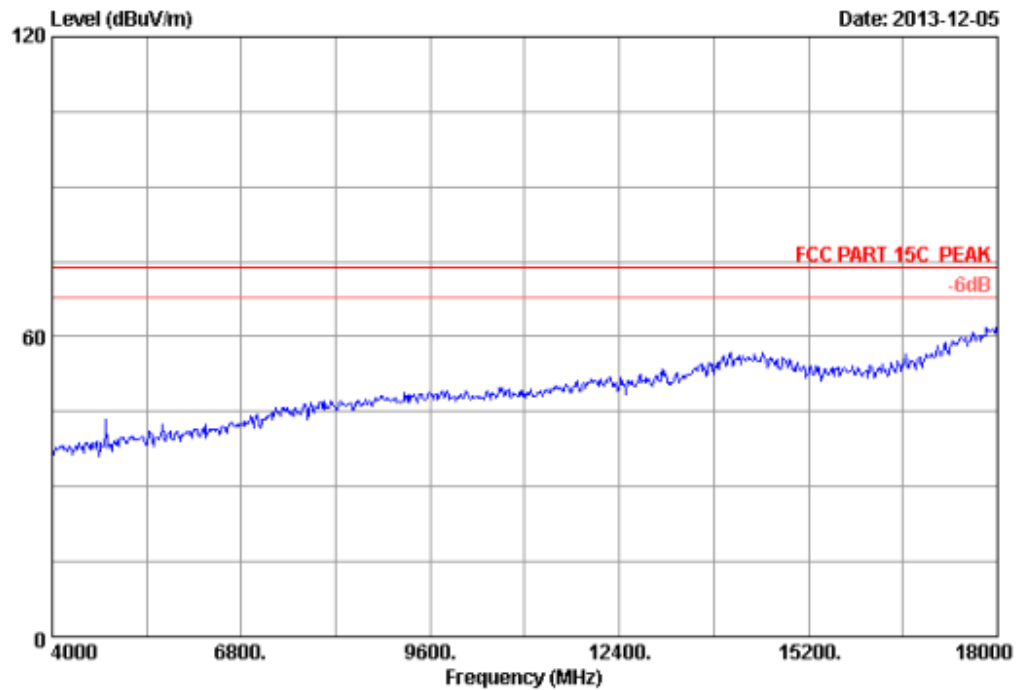
AV result of 4804.00MHz is Peak-F=47.39dBuV/m



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.069	28.36	5.91	35.70	87.92	86.49			Peak
2	2483.500	28.36	5.92	35.70	48.80	47.38	74.00	26.62	Peak
3	2484.920	28.37	5.92	35.70	49.14	47.73	74.00	26.27	Peak
4	2500.000	28.40	5.94	35.70	47.77	46.41	74.00	27.59	Peak

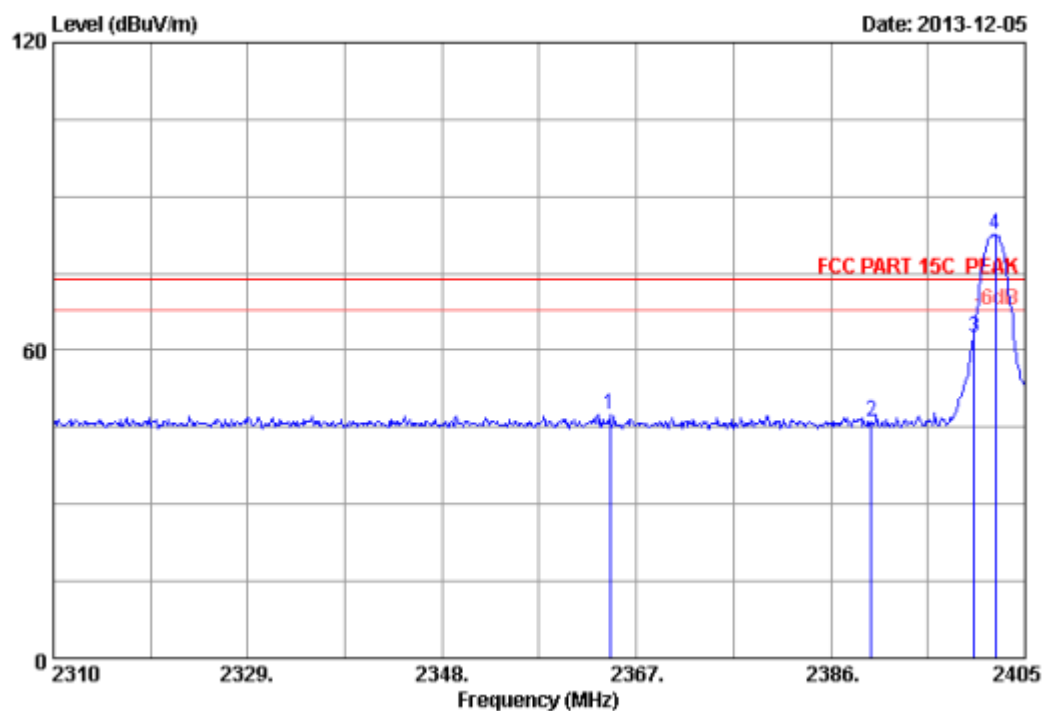
6.3.9 Diagram 6-9





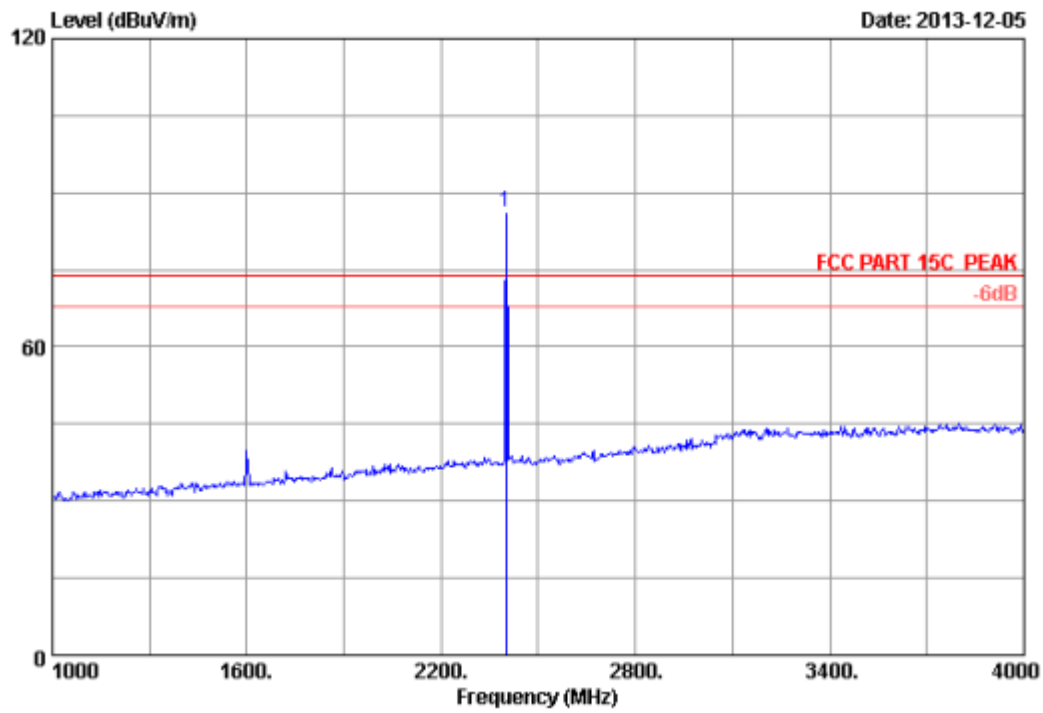
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	48.56	54.27	74.00	19.73	Peak

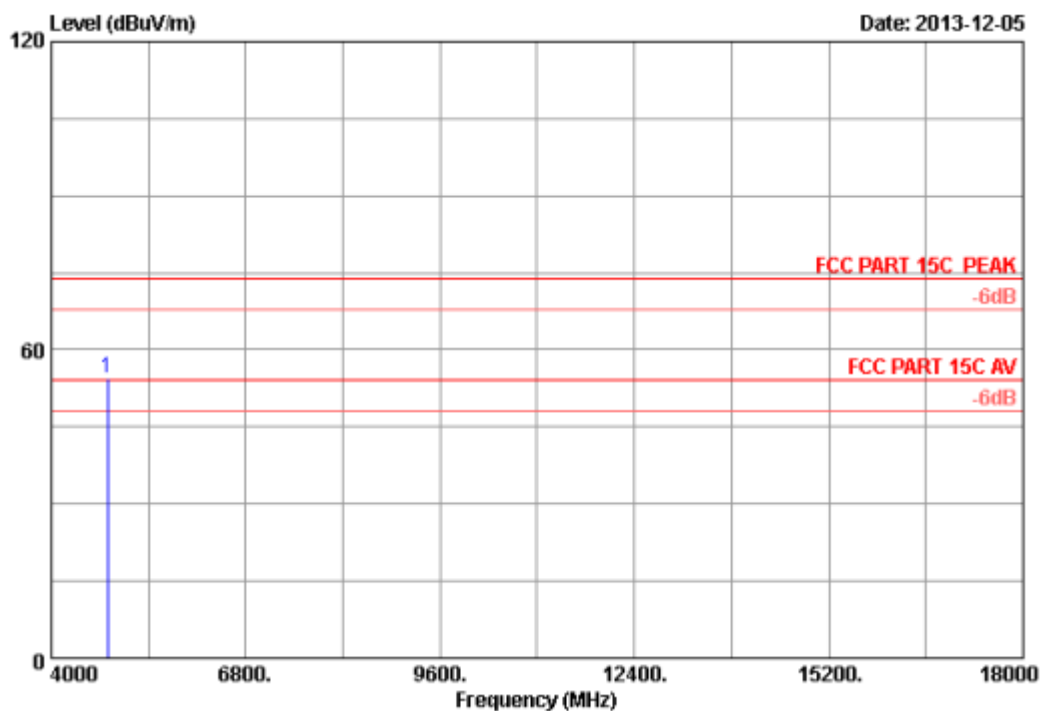
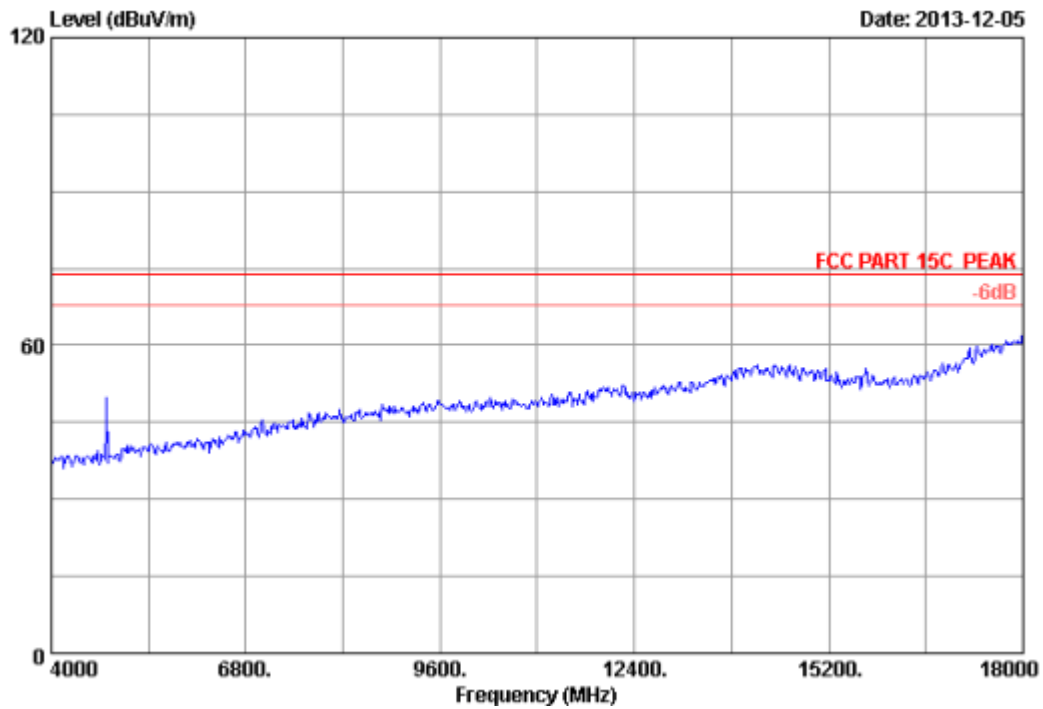
AV result of 4804.00MHz is Peak-F=45.15dBuV/m



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2364.435	28.10	5.75	35.70	49.29	47.44	74.00	26.56	Peak
2	2390.000	28.16	5.78	35.70	47.81	46.05	74.00	27.95	Peak

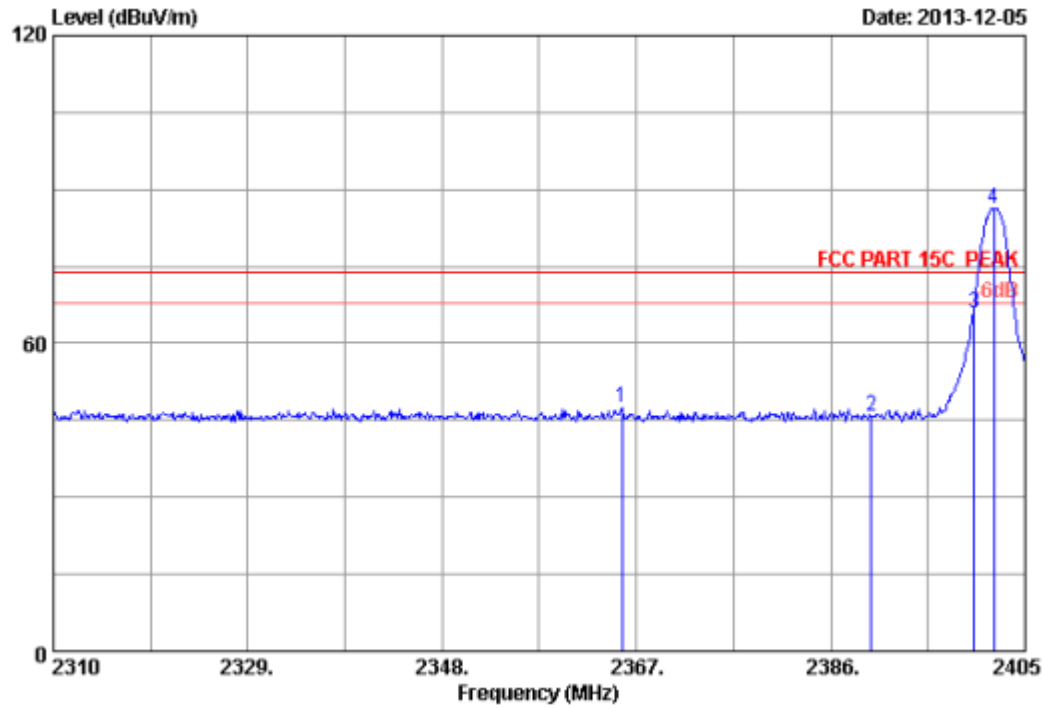
6.3.10 Diagram 6-10





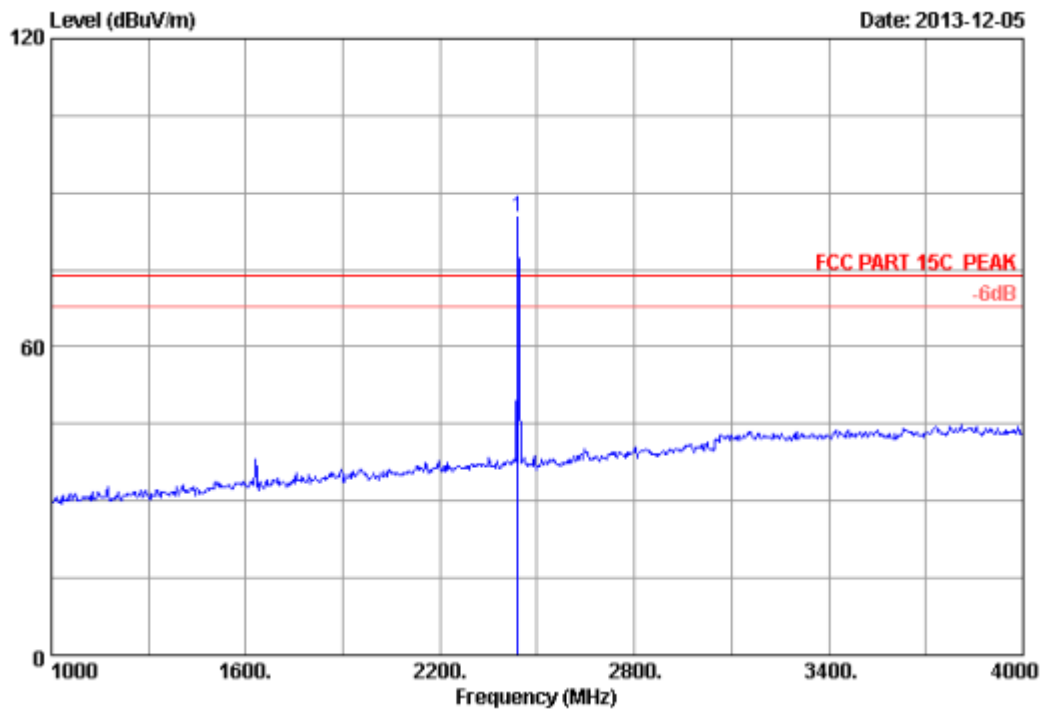
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	48.77	54.48	74.00	19.52	Peak

AV result of 4804.00MHz is Peak-F=45.36dBuV/m

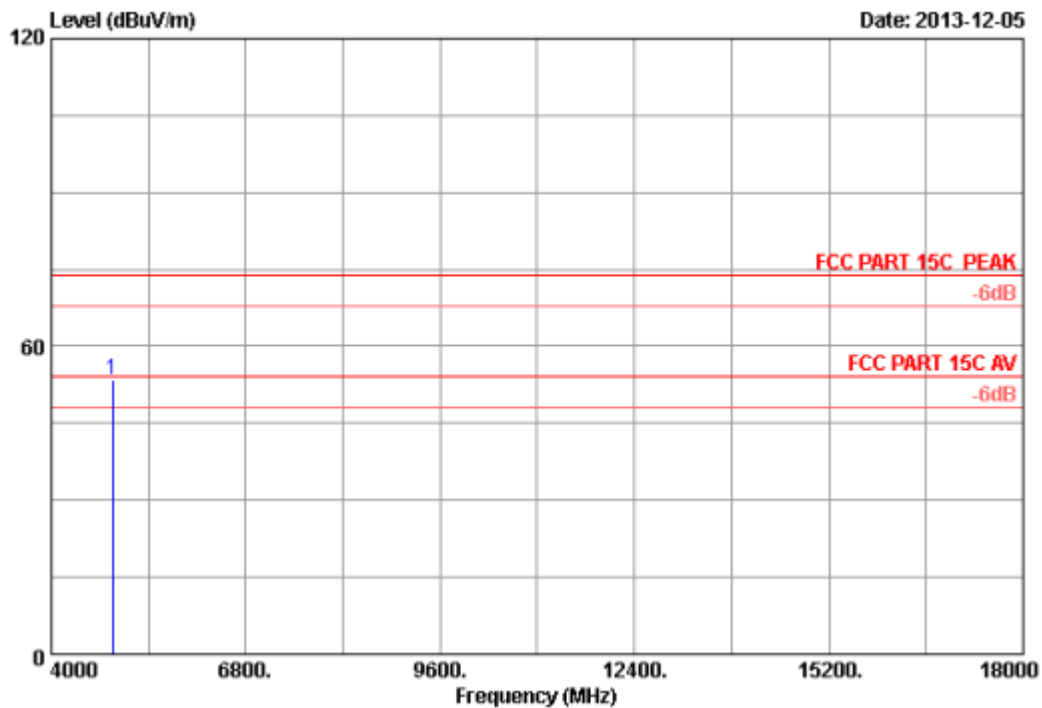
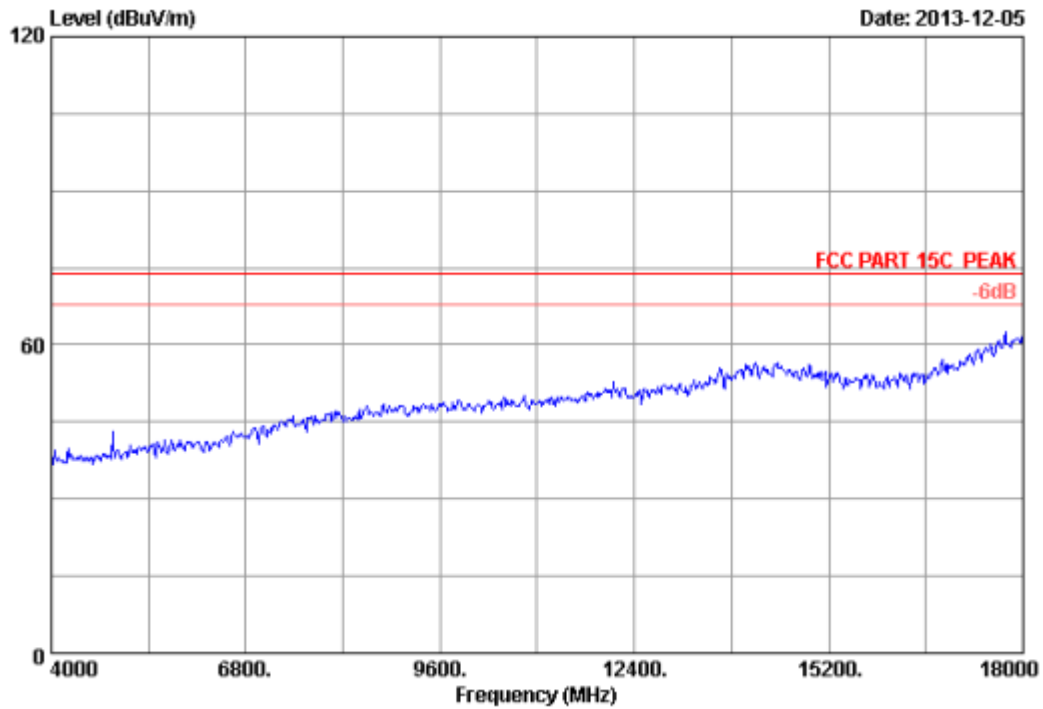


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2365.575	28.10	5.75	35.70	49.18	47.33	74.00	26.67	Peak
2	2390.000	28.16	5.78	35.70	47.43	45.67	74.00	28.33	Peak

6.3.11 Diagram 6-11

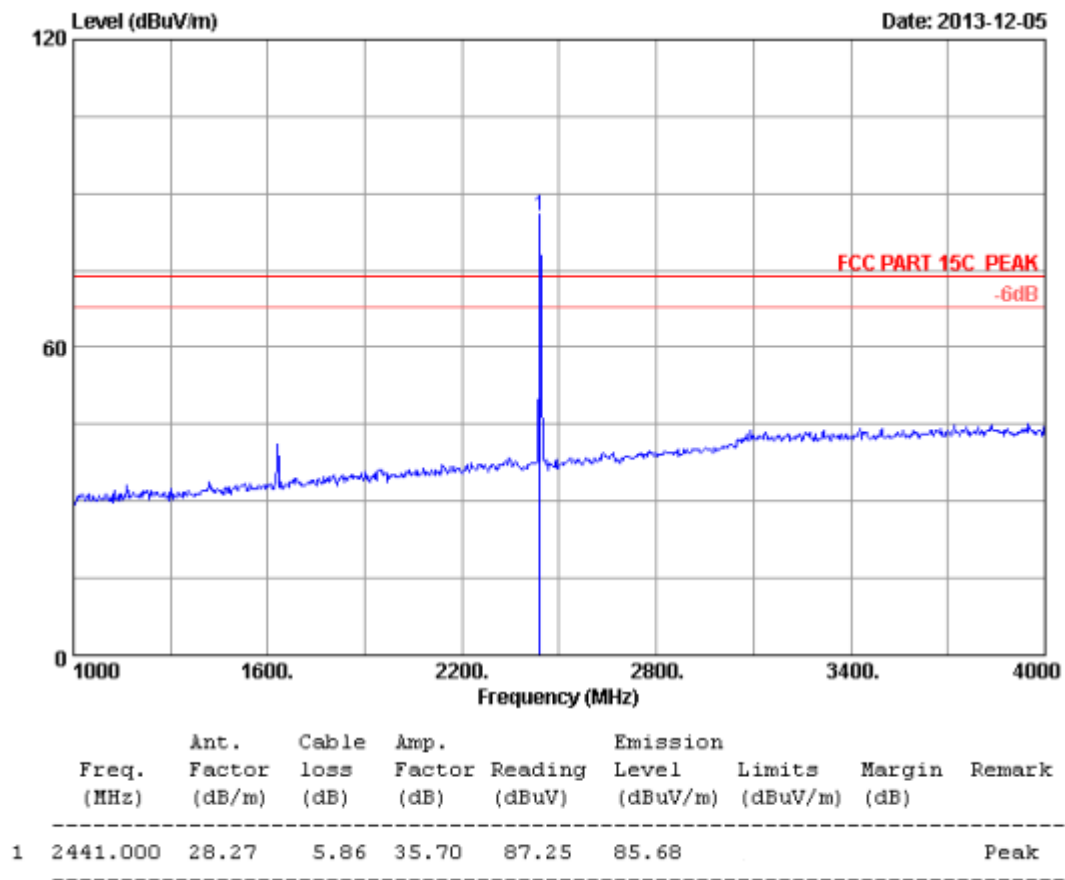


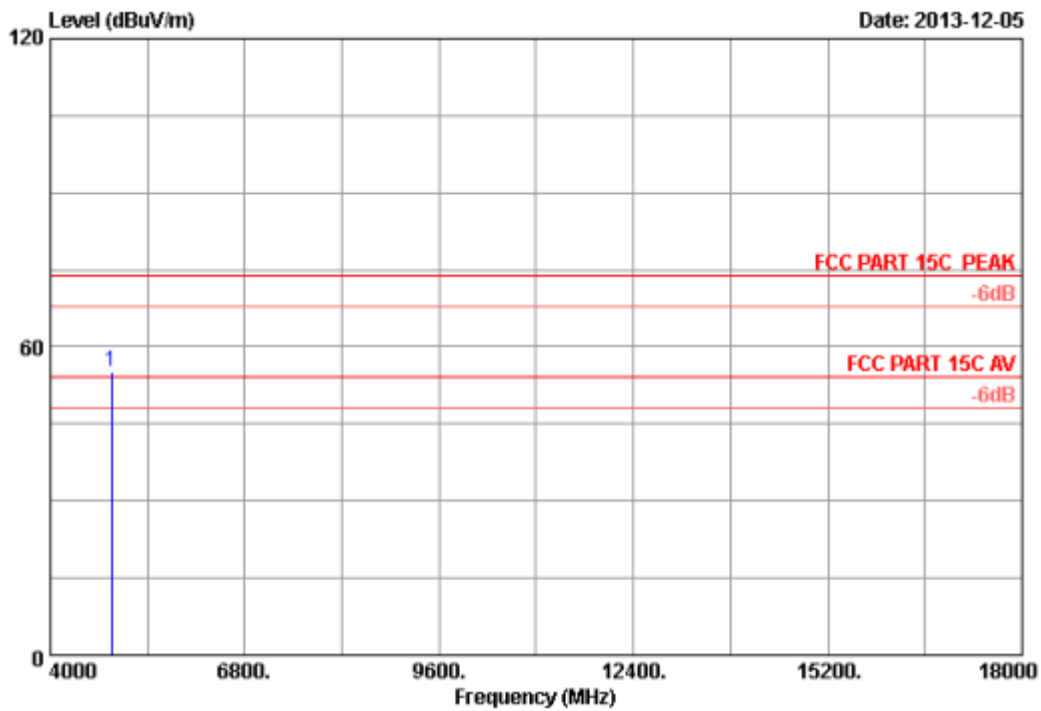
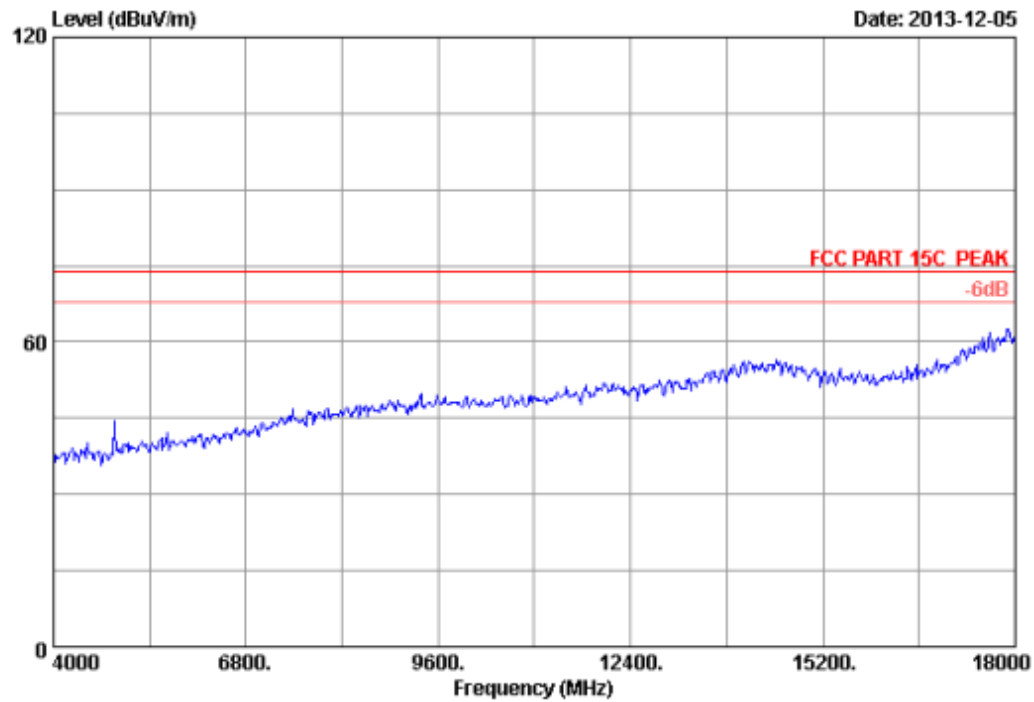
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.27	5.86	35.70	86.84	85.27			Peak



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4881.000	32.99	8.64	35.70	47.69	53.62	74.00	20.38	Peak

6.3.12 Diagram 6-12

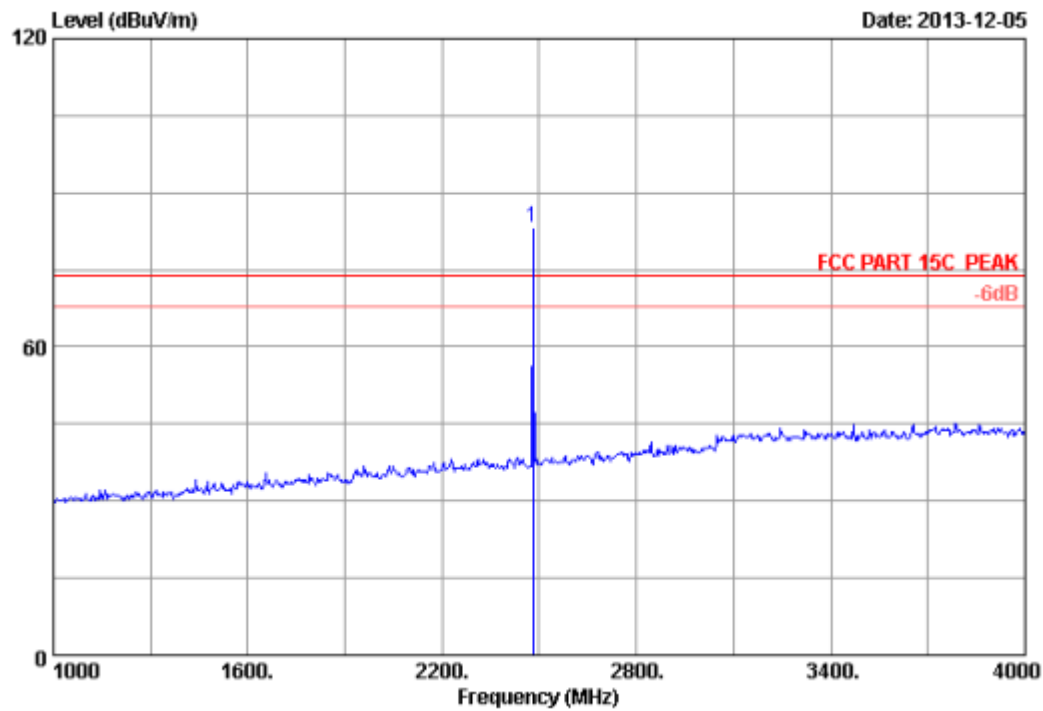




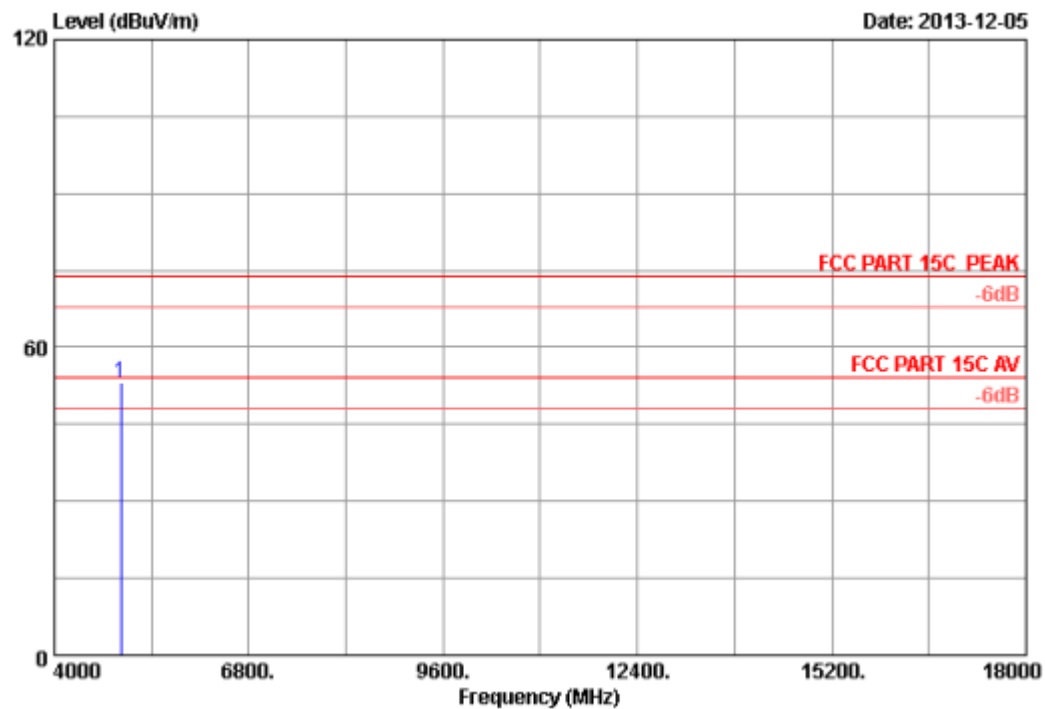
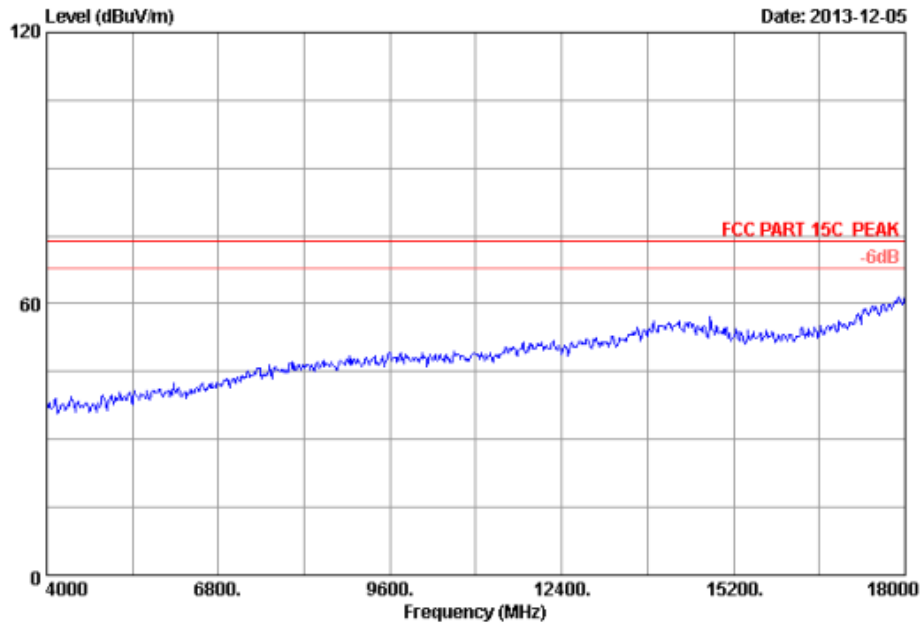
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.99	8.64	35.70	49.15	55.08	74.00	18.92	Peak

AV result of 4882.000MHz is Peak-F=45.96dBuV/m

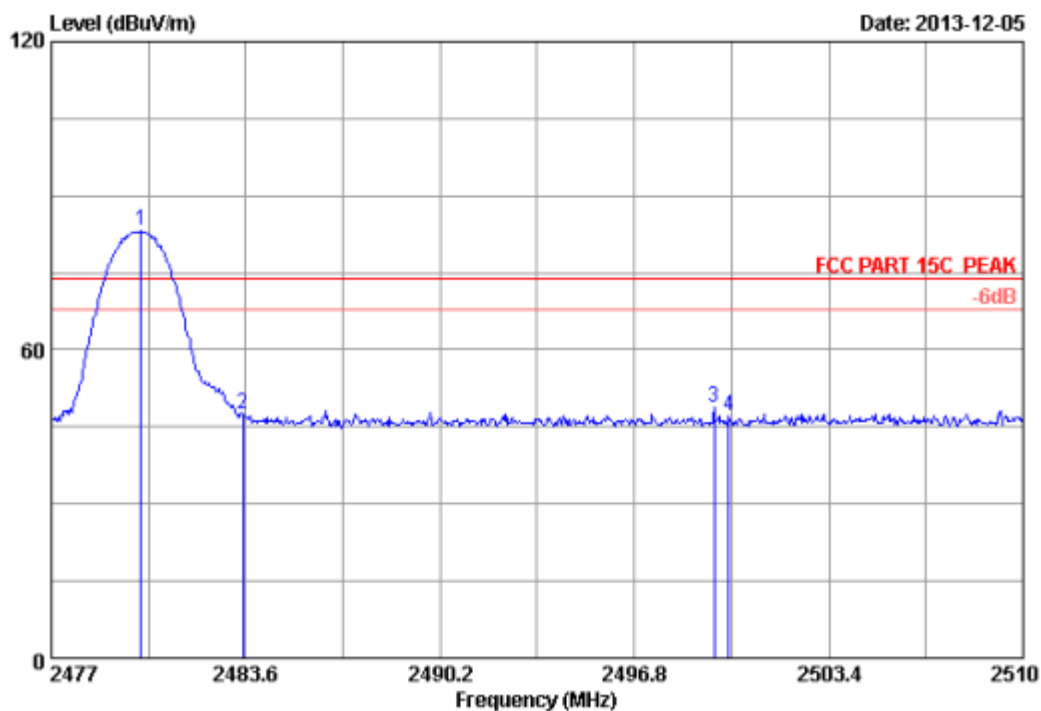
6.3.13 Diagram 6-13



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	84.76	83.33			Peak

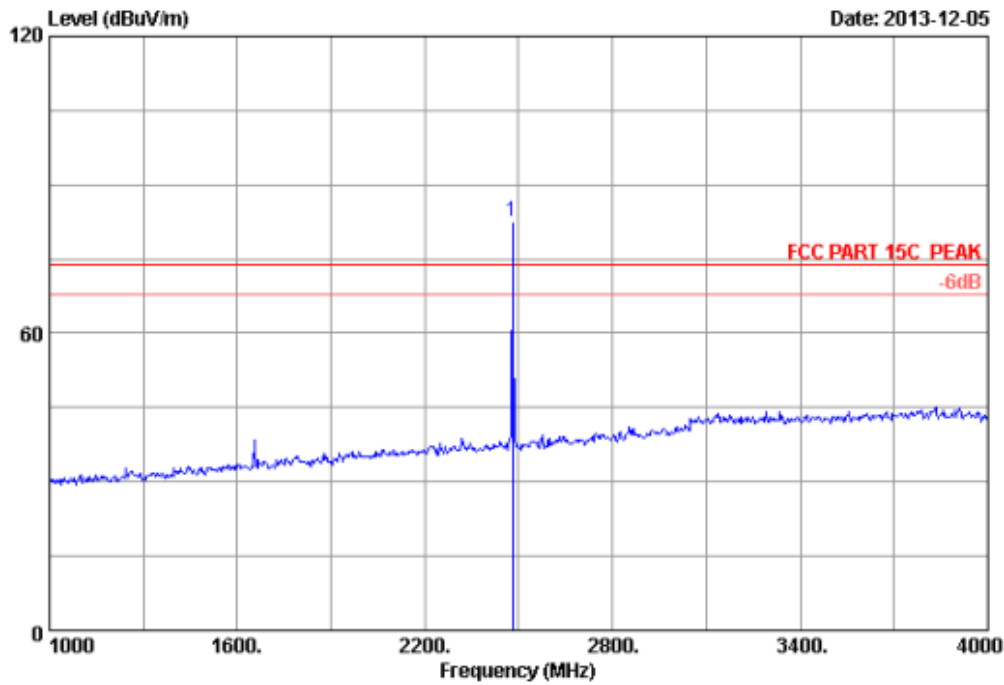


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	46.99	53.14	74.00	20.86	Peak

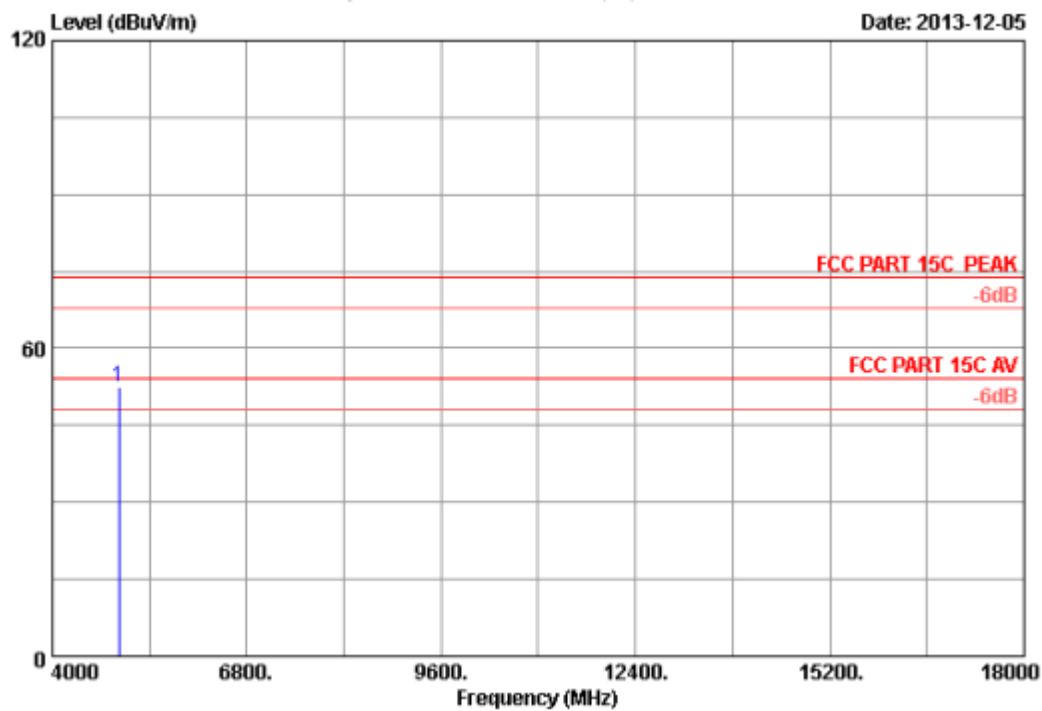
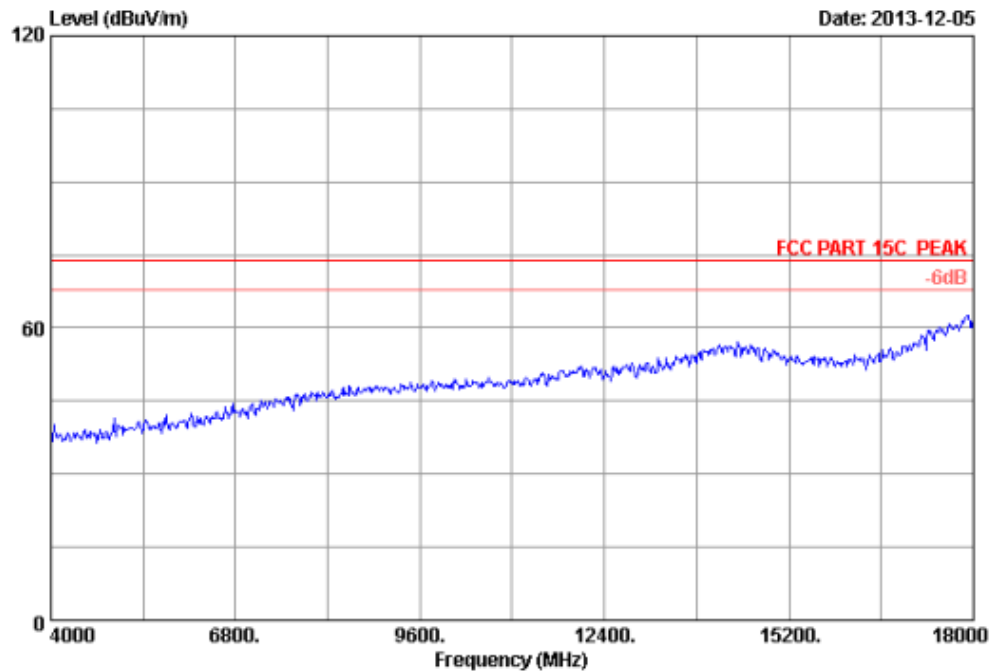


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.036	28.36	5.91	35.70	84.75	83.32			Peak
2	2483.500	28.36	5.92	35.70	48.95	47.53	74.00	26.47	Peak
3	2499.506	28.40	5.94	35.70	50.02	48.66	74.00	25.34	Peak
4	2500.000	28.40	5.94	35.70	48.40	47.04	74.00	26.96	Peak

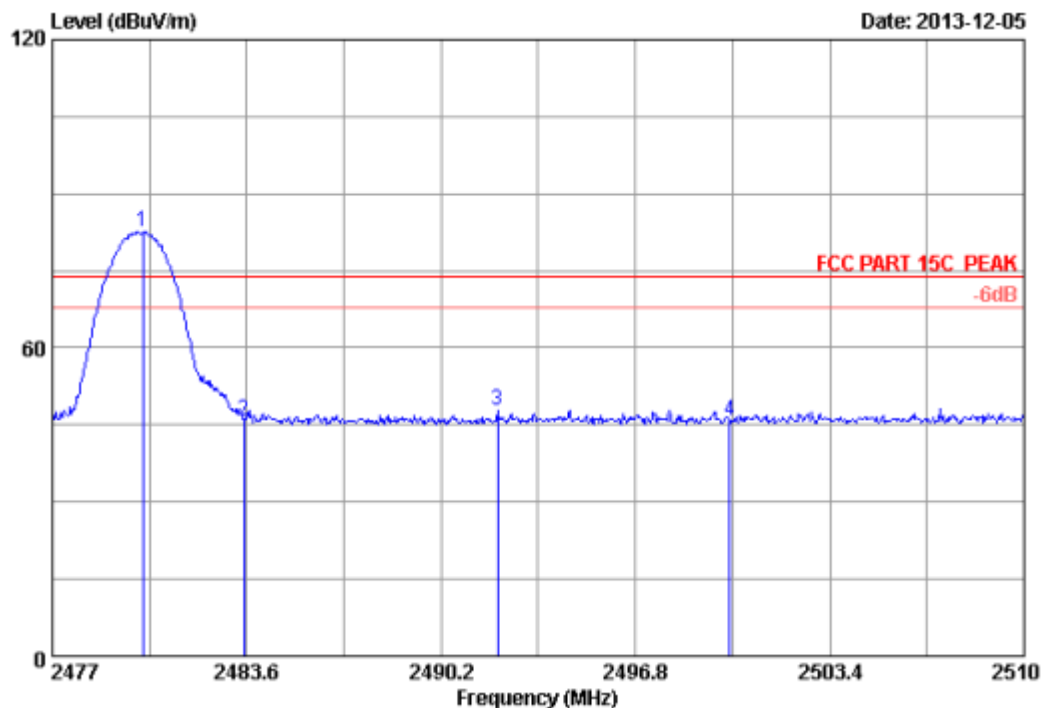
6.3.14 Diagram 6-14



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	83.98	82.55			Peak

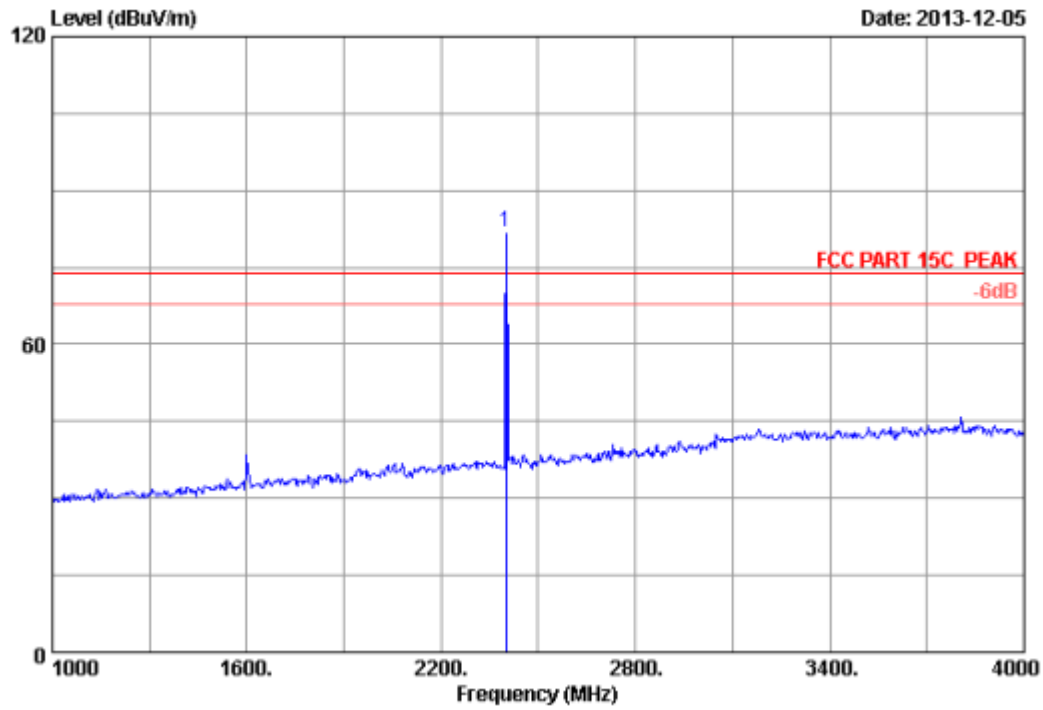


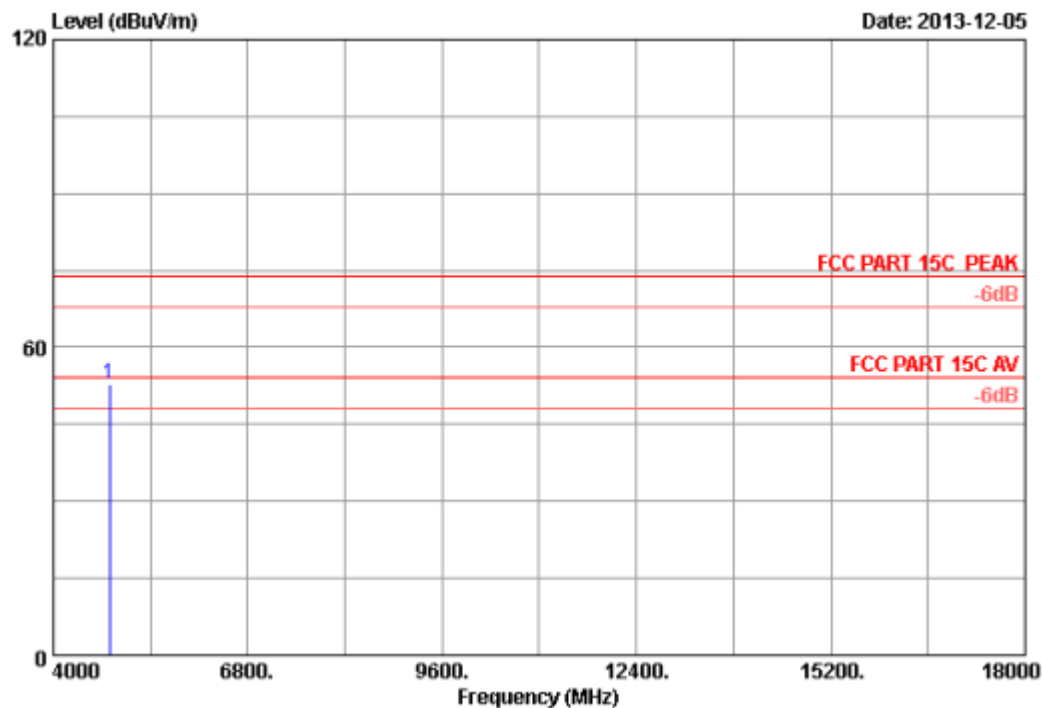
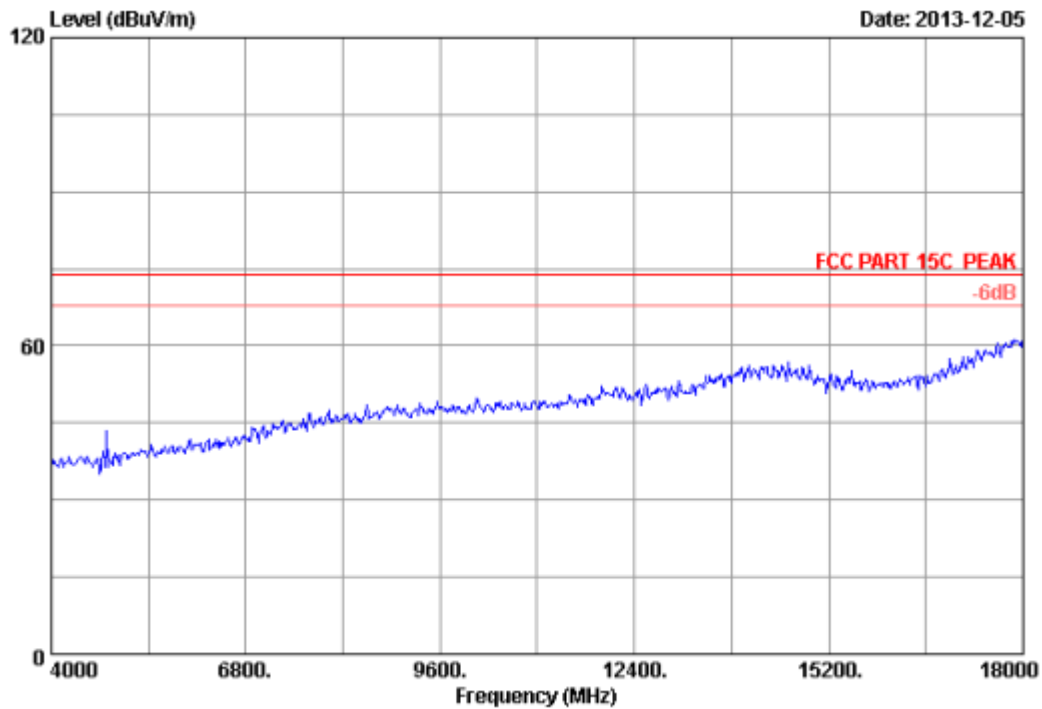
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	46.36	52.51	74.00	21.49	Peak



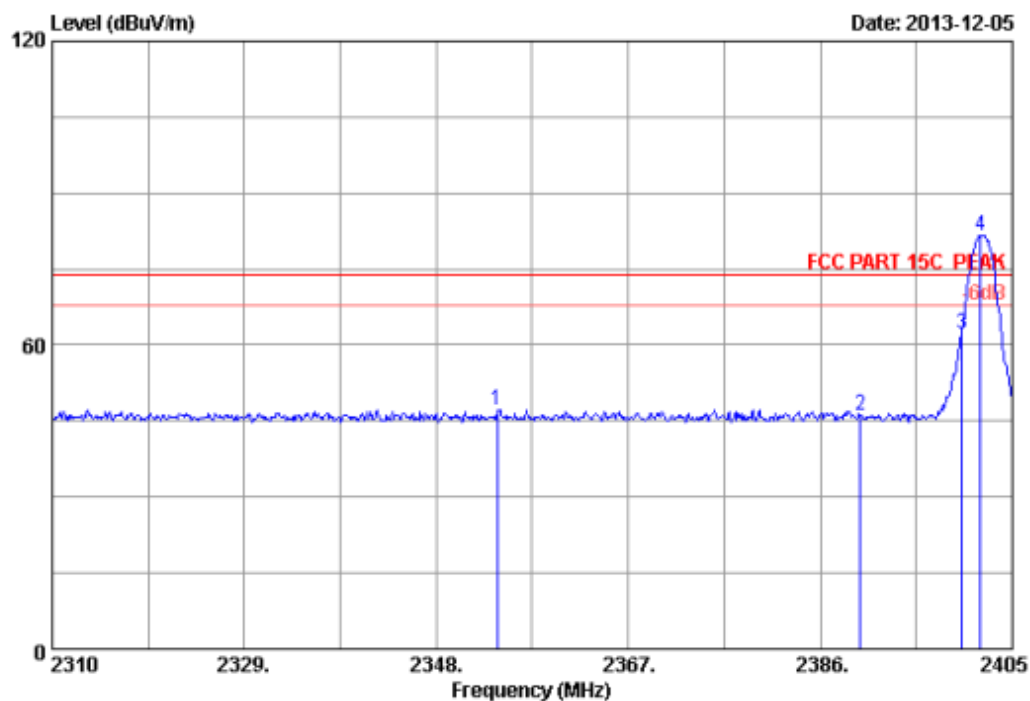
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.069	28.36	5.91	35.70	83.98	82.55			Peak
2	2483.500	28.36	5.92	35.70	47.31	45.89	74.00	28.11	Peak
3	2492.114	28.38	5.93	35.70	49.29	47.90	74.00	26.10	Peak
4	2500.000	28.40	5.94	35.70	47.20	45.84	74.00	28.16	Peak

6.3.15 Diagram 6-15



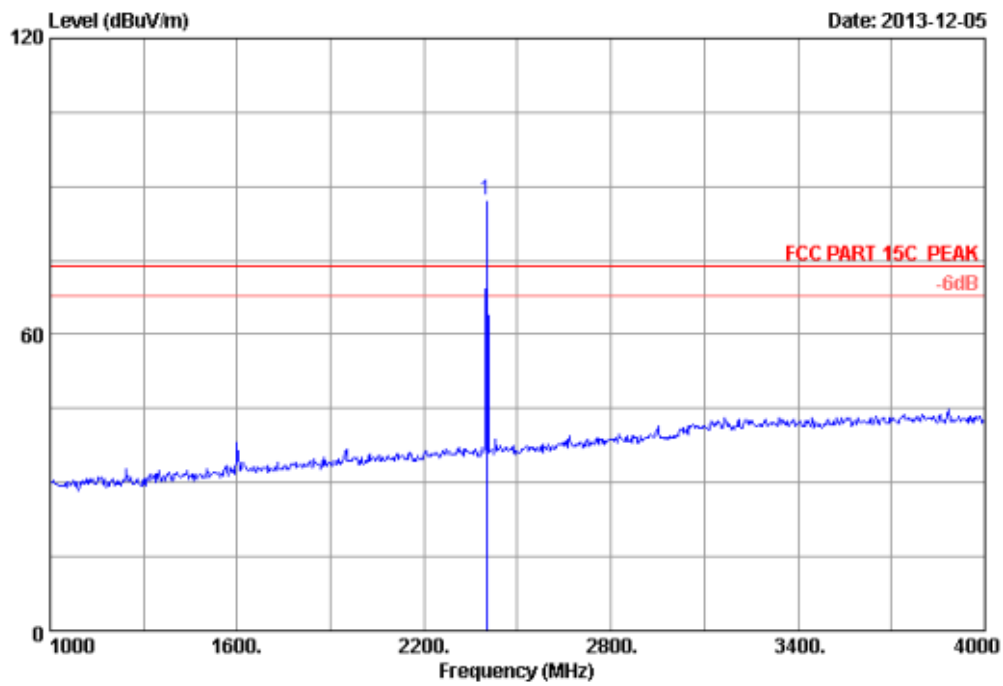


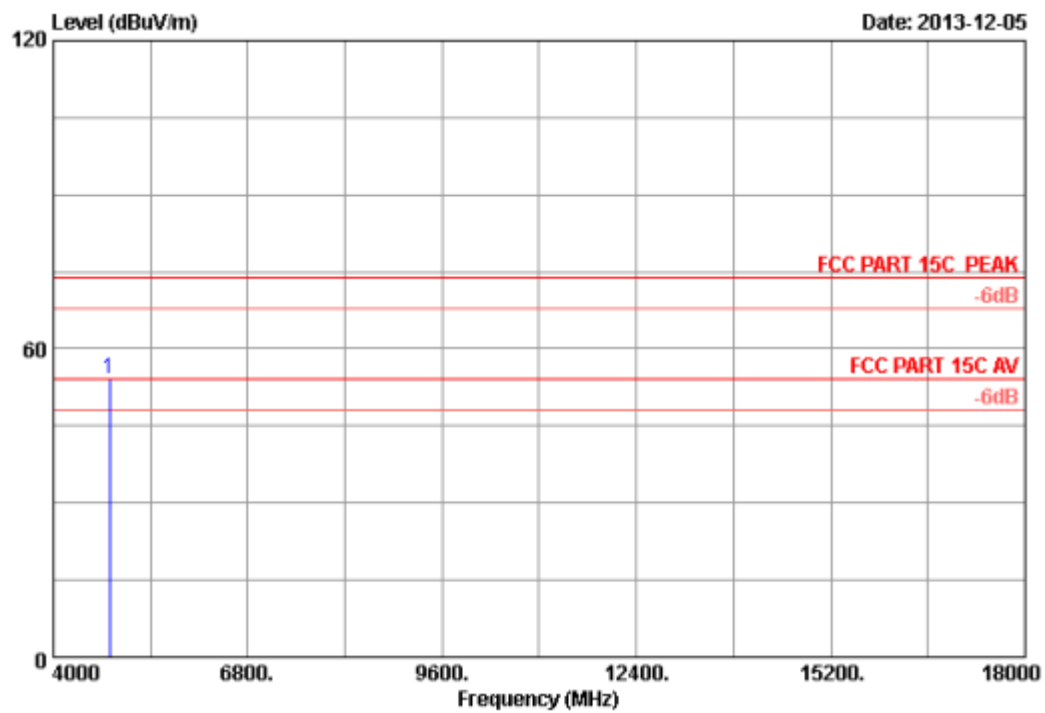
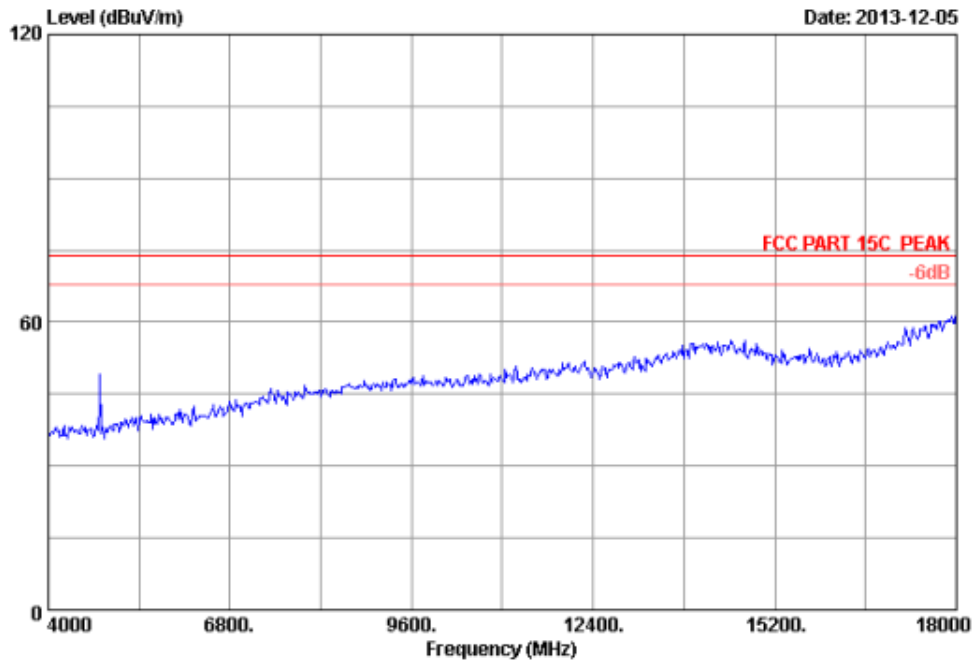
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	47.11	52.82	74.00	21.18	Peak



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2353.985	28.08	5.73	35.70	49.17	47.28	74.00	26.72	Peak
2	2390.000	28.16	5.78	35.70	47.77	46.01	74.00	27.99	Peak

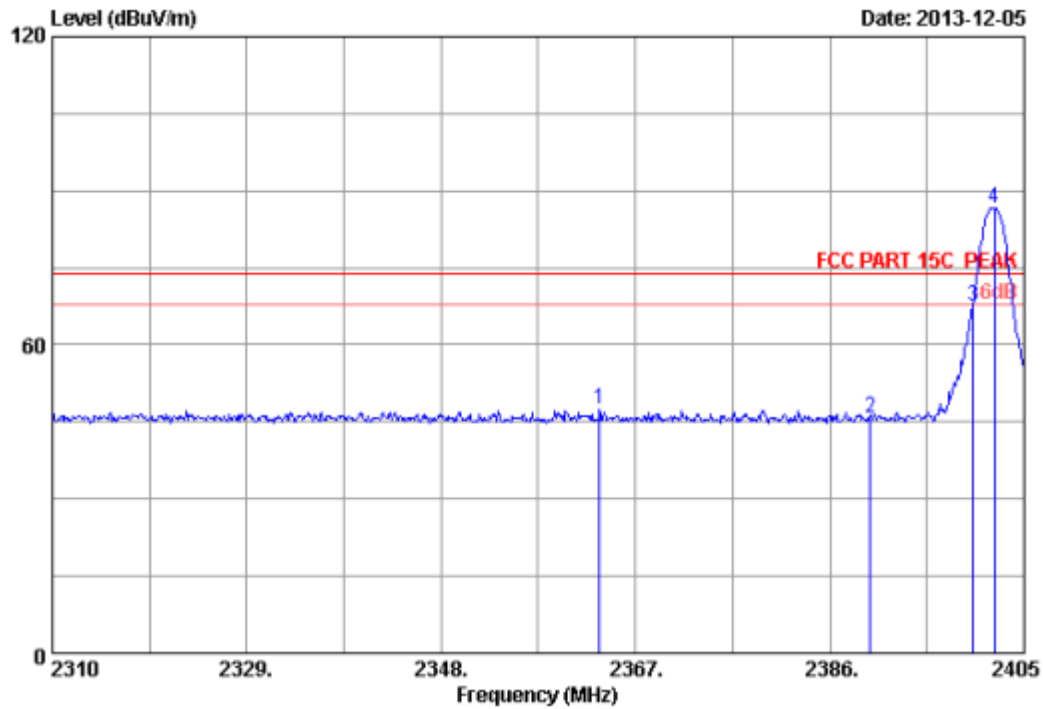
6.3.16 Diagram 6-16





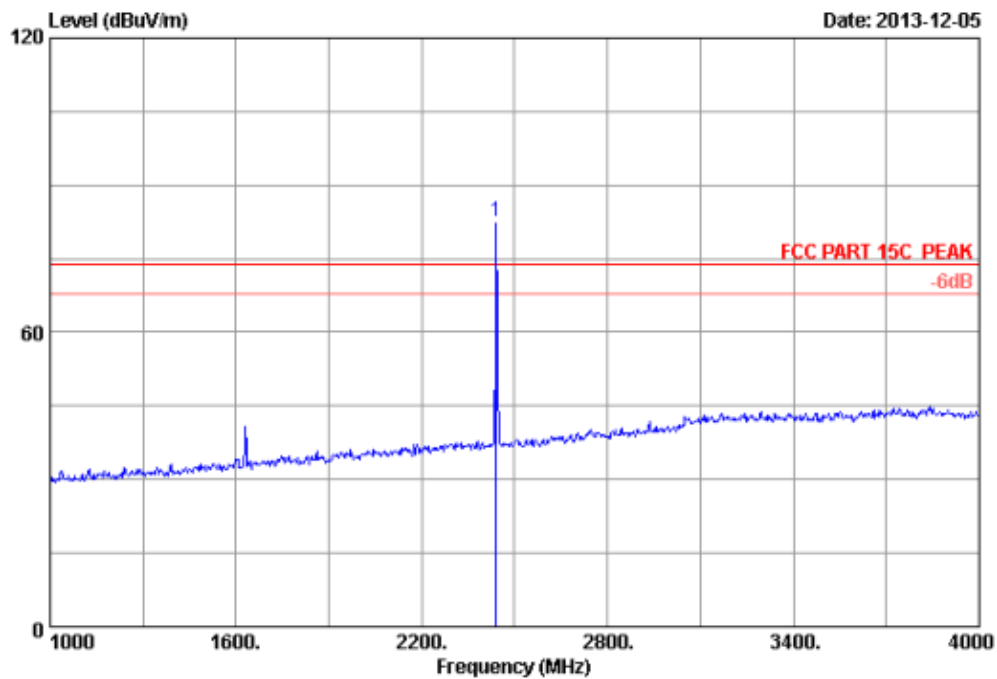
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4804.000	32.85	8.56	35.70	48.54	54.25	74.00	19.75	Peak

AV result of 4804.000MHz is Peak-F= 45.13dBuV/m



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2363.485	28.10	5.74	35.70	49.19	47.33	74.00	26.67	Peak
2	2390.000	28.16	5.78	35.70	47.58	45.82	74.00	28.18	Peak

6.3.17 Diagram 6-17



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.27	5.86	35.70	84.23	82.66			Peak