FCC 47 CFR PART 15 SUBPART C

CERTIFICATION TEST REPORT

For

NAVIGATOR X1550

MODEL NUMBER: DH-UAV-Aircraft-X1550

FCC ID: SVNX1550

REPORT NUMBER: 4788322398-3-3

ISSUE DATE: July 19, 2018

Prepared for

Zhejiang Dahua Vision Technology Co., Ltd.
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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
--	07/19/2018	Initial Issue	

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd.
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

Manufacturer Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd.
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

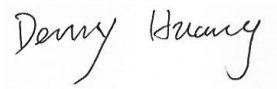
Factory Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd.
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

EUT Name: NAVIGATOR X1550
Brand: alhua
Model: DH-UAV-Aircraft-X1550
Serial Model: See chapter 5.1
Sample Received Date: November 20, 2017
Date of Tested: April 10, 2017 ~ June 26,2018

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Pass

Prepared By:



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Checked By:

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Approved By:

Stephen Guo

Laboratory Manager

2.TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15 and ANSI C63.10-2013.

3.FACILITIES AND ACCREDITATION

Accreditation Certificate	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **IAS (Lab Code: TL-702)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories **FCC (FCC Designation No.: CN1187)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration of Conformity (DoC) and Certification rules **IC(Company No.: 21320)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320. **VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011

Note:

1. All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OATS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.90dB
Uncertainty for Radiation Emission test(include Fundamental emission) (9KHz-30MHz)	2.2dB
Uncertainty for Radiation Emission test(include Fundamental emission) (30MHz-1GHz)	4.52dB
Uncertainty for Radiation Emission test (1GHz to 26GHz)(include Fundamental emission)	5.04dB(1-6GHz)
	5.30dB (6GHz-18Gz)
	5.23dB (18GHz-26Gz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5.EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Equipment	NAVIGATOR X1550
Model Name	DH-UAV-Aircraft-X1550
Series Model	OEM-UAV-Aircraft-X1550,UAV-Aircraft-X1550,DHI-UAV-Aircraft-X1550,DHI-UAV-Aircraft-X1550-1023,DHI-UAV-Aircraft-X1550-1033, UAV-Aircraft-X1550-1023, UAV-Aircraft-X1550-1033
Model Difference	All the same except for the appearance of the different color and graphic pattern.
Operation frequency	2413MHz~2475MHz
Modulation	QPSK, OFDM
Bandwidth	10M/20M
Rated Input Voltage	DC 44.4V
Battery	DC 22.2V, 27000mAh*2

5.2. MAXIMUM EMISSIONS FIELD STRENGTH

Frequency Range (MHz)	Number of Transmit Chains (NTX)	Frequency (MHz)	Max. Emissions Field Strength (dBµV/m)
2413 ~ 2475	1	2413 ~ 2475	109.81

5.3. TEST CHANNEL CONFIGURATION

Bandwidth	Low	Middle	High
10M	59830	60140	60450
	2413MHz	2444MHz	2475MHz
20M	59880	60140	60400
	2418MHz	2444MHz	2470MHz

5.4. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests	
Relative Humidity	55 ~ 65%	
Atmospheric Pressure:	1025Pa	
Temperature	TN	23 ~ 28°C
Voltage :	VL	N/A
	VN	DC 44.4V
	VH	N/A

Note: VL= Lower Extreme Test Voltage
VN= Nominal Voltage
VH= Upper Extreme Test Voltage
TN= Normal Temperature

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

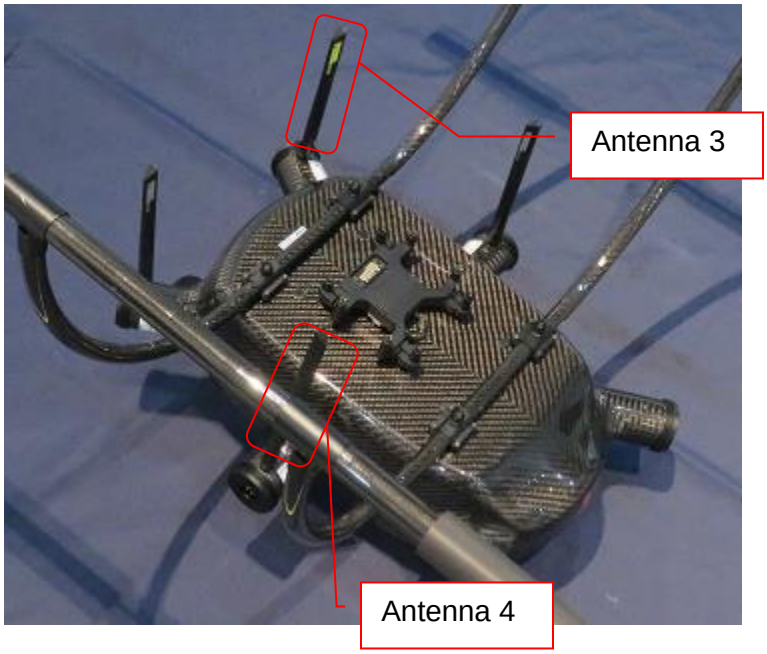
Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
3	2413MHz~2475MHz	External Antenna	3.86

Test Mode	Transmit and Receive Mode	Description
QPSK, OFDM	☒ 1TX, 1RX	Chain 3 can be used as transmitting/receiving antenna.

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
4	2413MHz~2475MHz	External Antenna	3.86

Test Mode	Transmit and Receive Mode	Description
QPSK, OFDM	☒ 1RX	Chain 4 can be used as receiving antenna.

Note: The antenna 3 can be used to transmitting and receiving when Chain 4 can be used to receiving only.



5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter				
Test Software Version		10M Bandwidth Test Channel		
Modulation Type	Transmit Antenna Number	CH 59830	CH 60140	CH 60450
QPSK	3	75	75	75
OFDM	3	75	75	75

The Worse Case Power Setting Parameter				
Test Software Version		20M Bandwidth Test Channel		
Modulation Type	Transmit Antenna Number	CH 59880	CH 60140	CH 60400
QPSK	3	68	68	68
OFDM	3	70	70	70

5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	Laptop	ThinkPad	T460S	SL10K24796 JS

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	N/A	N/A	N/A	N/A	N/A

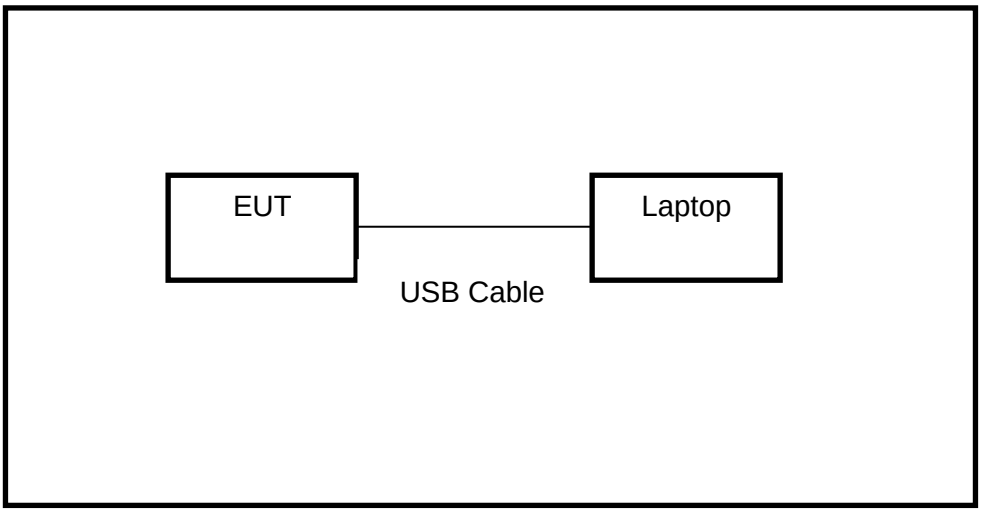
ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	N/A	N/A	N/A	N/A

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS



5.8. MEASURING INSTRUMENT AND SOFTWARE USED

Conducted Emissions						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☑	EMI Test Receiver	R&S	ESR3	101961	Dec.12,2017	Dec.11,2018
☑	Two-Line V-Network	R&S	ENV216	101983	Dec.12,2017	Dec.11,2018
☑	Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Dec.12,2017	Dec.11,2018
Software						
Used	Description		Manufacturer	Name	Version	
☑	Test Software for Conducted disturbance		Farad	EZ-EMC	Ver. UL-3A1	
Radiated Emissions						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☑	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Dec.12,2017	Dec.11,2018
☑	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Jan.09, 2016	Jan.09, 2019
☑	Preamplifier	HP	8447D	2944A09099	Dec.12,2017	Dec.11,2018
☑	EMI Measurement Receiver	R&S	ESR26	101377	Dec.12,2017	Dec.11,2018
☑	Horn Antenna	TDK	HRN-0118	130939	Jan. 09, 2016	Jan. 09, 2019
☑	High Gain Horn Antenna	Schwarzbeck	BBHA-9170	691	Jan.06, 2016	Jan.06, 2019
☑	Preamplifier	TDK	PA-02-0118	TRS-305-00066	Dec.12,2017	Dec.11,2018
☑	Preamplifier	TDK	PA-02-2	TRS-307-00003	Dec.12,2017	Dec.11,2018
☑	Loop antenna	Schwarzbeck	1519B	00008	Mar. 26, 2016	Mar. 25, 2019
Software						
Used	Description		Manufacturer	Name	Version	
☑	Test Software for Radiated disturbance		Farad	EZ-EMC	Ver. UL-3A1	
Other instruments						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☑	Spectrum Analyzer	Keysight	N9030A	MY55410512	Dec.12,2017	Dec.11,2018
☑	Power Meter	Keysight	N1911A	MY55416024	Dec.12,2017	Dec.11,2018
☑	Power Sensor	Keysight	N1921A	MY51100041	Dec.12,2017	Dec.11,2018

6. SUMMARY OF TEST RESULTS

Summary of Test Results			
Clause	Test Items	FCC/IC Rules	Test Results
1	20dB Bandwidth	FCC 15.215	Pass
2	TX Spurious Emission	FCC 15.249 (a)(d)(e) FCC 15.209 FCC 15.205	Pass
3	Conducted Emission Test For AC Power Port	FCC 15.207	N/A

7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

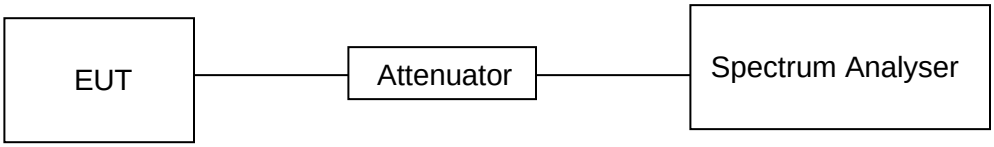
LIMITS

None; for reporting purposes only

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP

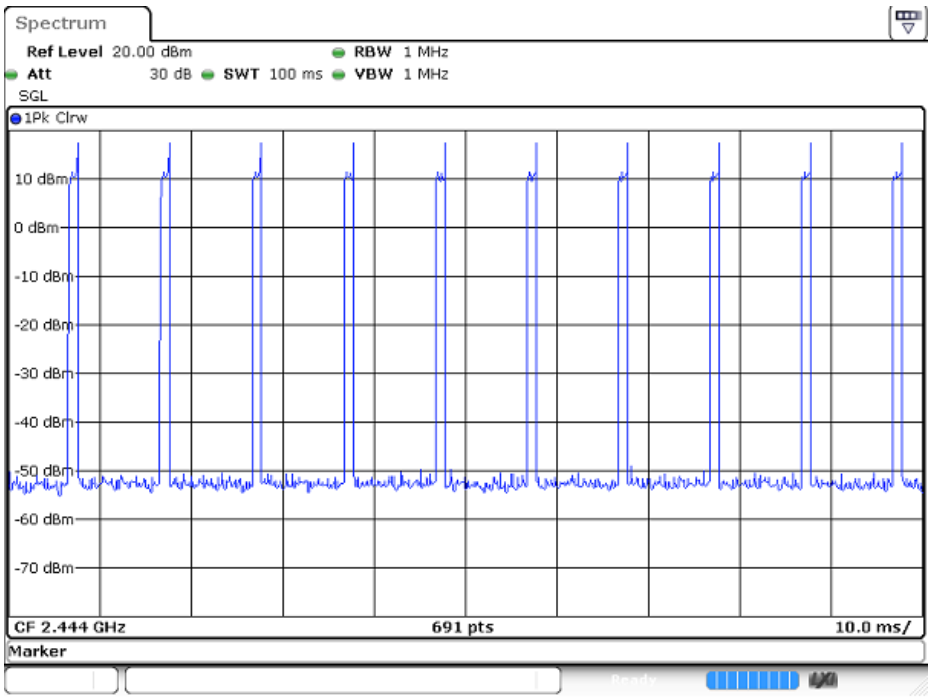


RESULTS

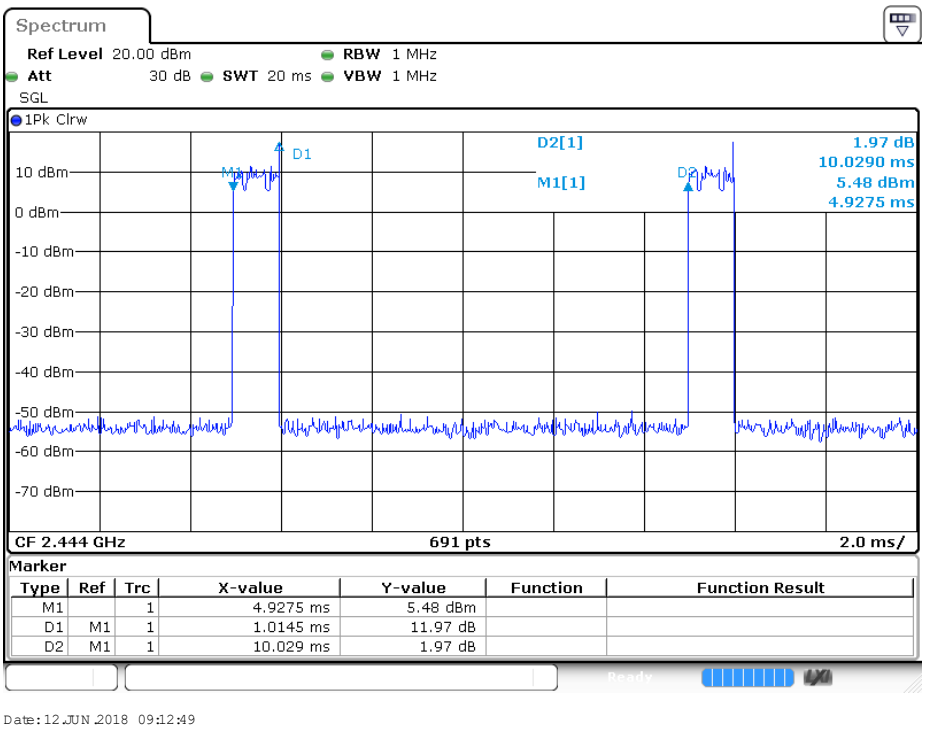
Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)	1/T Minimum VBW (KHz)
QPSK	1.0145	10.029	0.10	10%	9.95	1

Note: Duty Cycle Correction Factor=10log(1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time (transmit duration)

ON TIME AND DUTY CYCLE MID CH PLOT-1



ON TIME AND DUTY CYCLE MID CH PLOT-2



Note: The duty cycle of all modulations and bandwidths are the same, so we only report one mode and this will apply for all other mode.

7.2.20 dB BANDWIDTH

LIMITS

FCC Part15 (15.249) , Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.249(d)	Bandwidth	for reporting purposes only	2400-2483.5

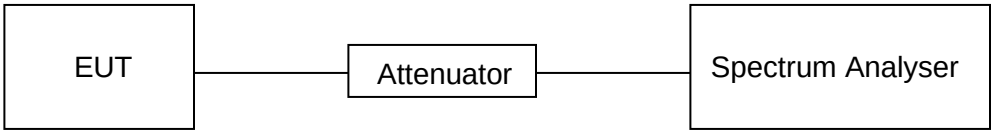
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	approximately 3×RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP



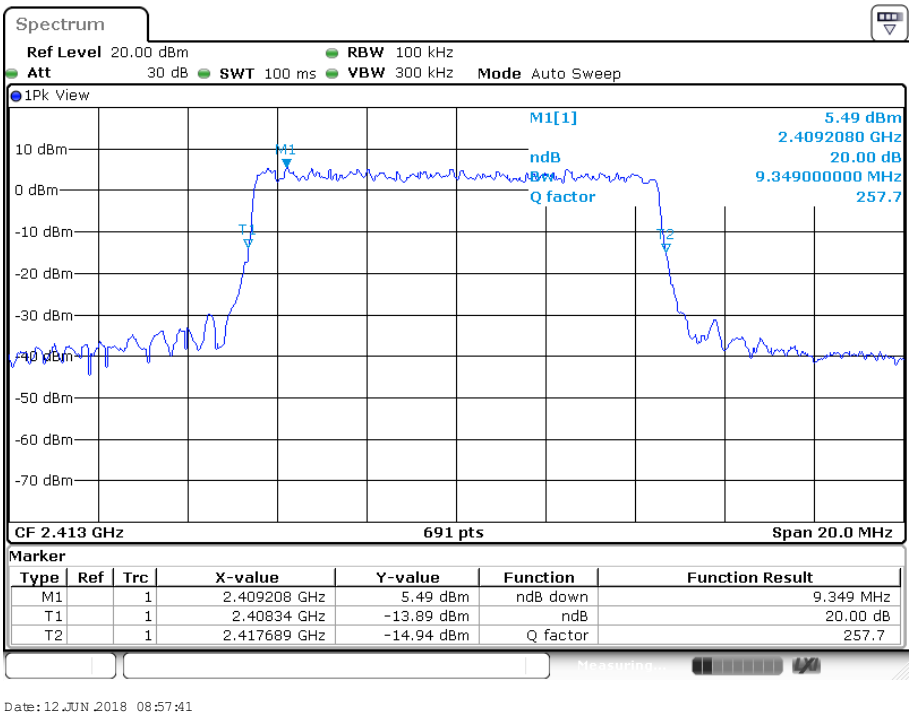
RESULTS

Note: All the modes had been tested, but only the worst data recorded in the report.

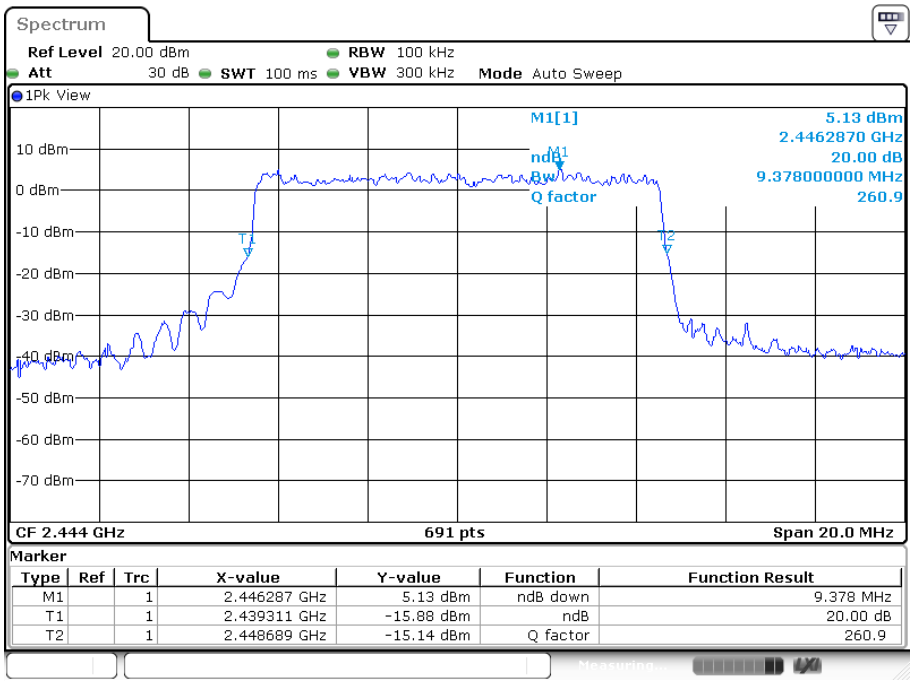
QPSK 10MHz Bandwidth Mode

Channel	Frequency (MHz)	20dB bandwidth (MHz)	Result
Low	2413	9.349	Pass
Middle	2444	9.378	Pass
High	2475	9.291	Pass

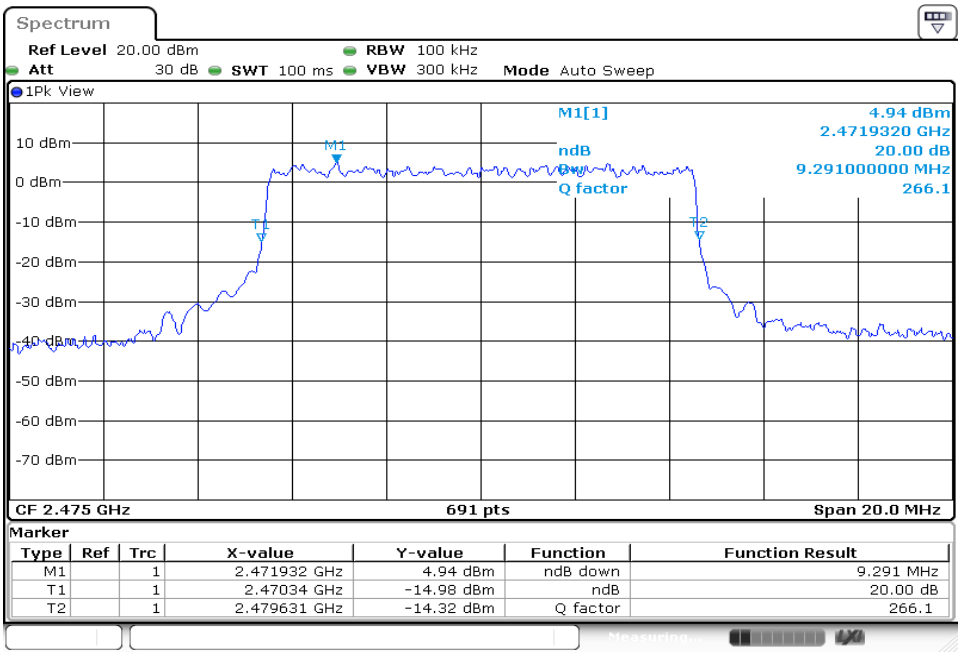
20 dB BANDWIDTH LOW CH



20 dB BANDWIDTH MID CH



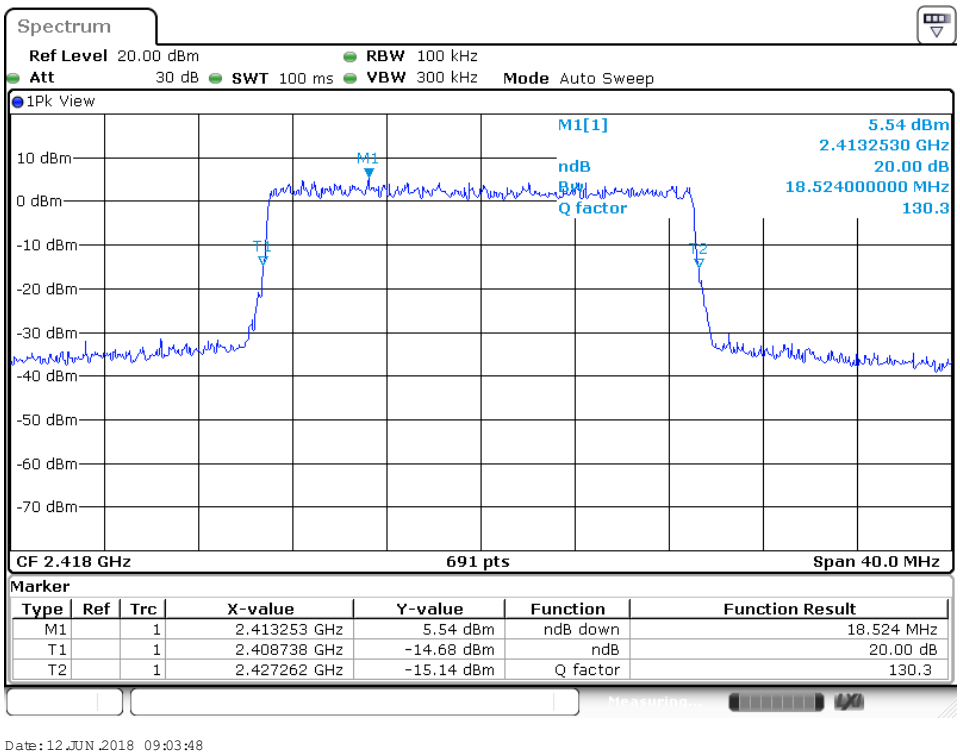
20 dB BANDWIDTH HIGH CH



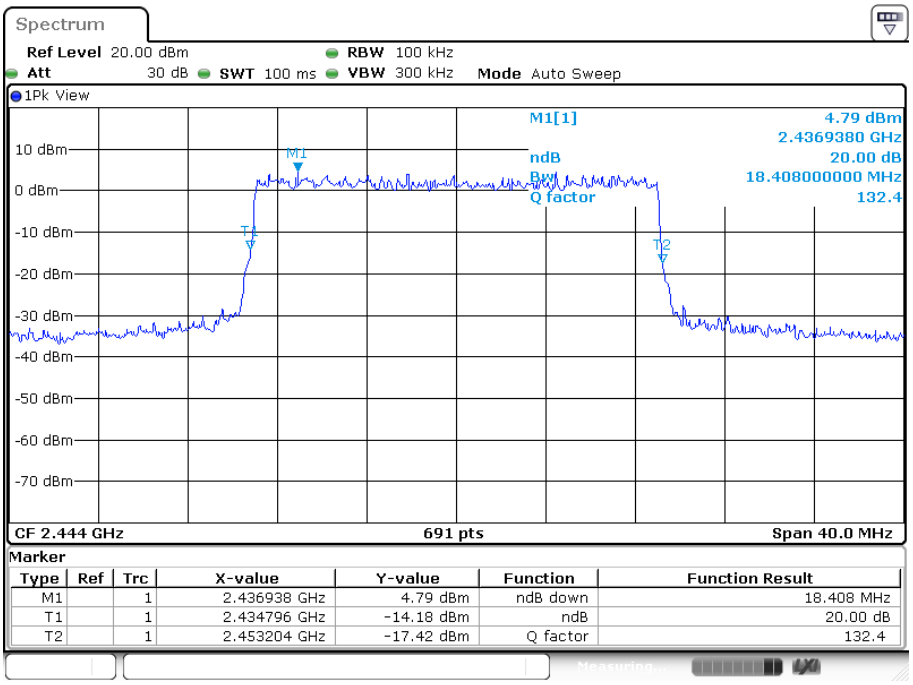
QPSK 20MHz Bandwidth Mode

Channel	Frequency (MHz)	20dB bandwidth (MHz)	Result
Low	2418	18.524	Pass
Middle	2444	18.408	Pass
High	2470	18.292	Pass

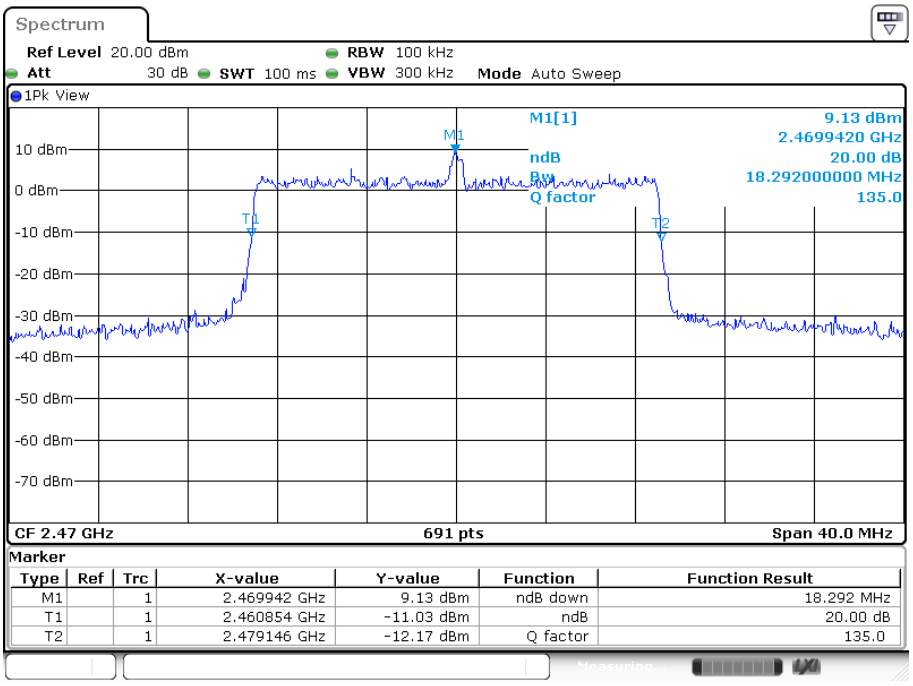
20 dB BANDWIDTH LOW CH



20 dB BANDWIDTH MID CH



20 dB BANDWIDTH HIGH CH



8. RADIATED TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

Please refer to FCC §15.205 and §15.209
Please refer to FCC §15.249 (a)(d)(e)

The field strength of emissions from intentional radiators operated within these frequency bands			
Frequency (MHz)	Field strength of Fundamental	Field strength of Harmonics	Distance (m)
902 - 928	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3
2400 – 2483.5	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3
5725 – 5875	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3

Emissions radiated outside of the specified frequency bands			
Frequency Range (MHz) 30 - 88	Field Strength Limit (uV/m) at 3 m 100	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

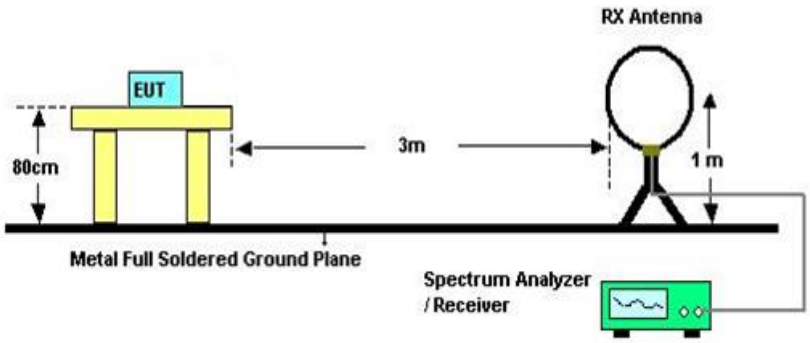
Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Note: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6

TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 and 414788 D01 Radiated Test Site v01.

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80cm meter above ground.

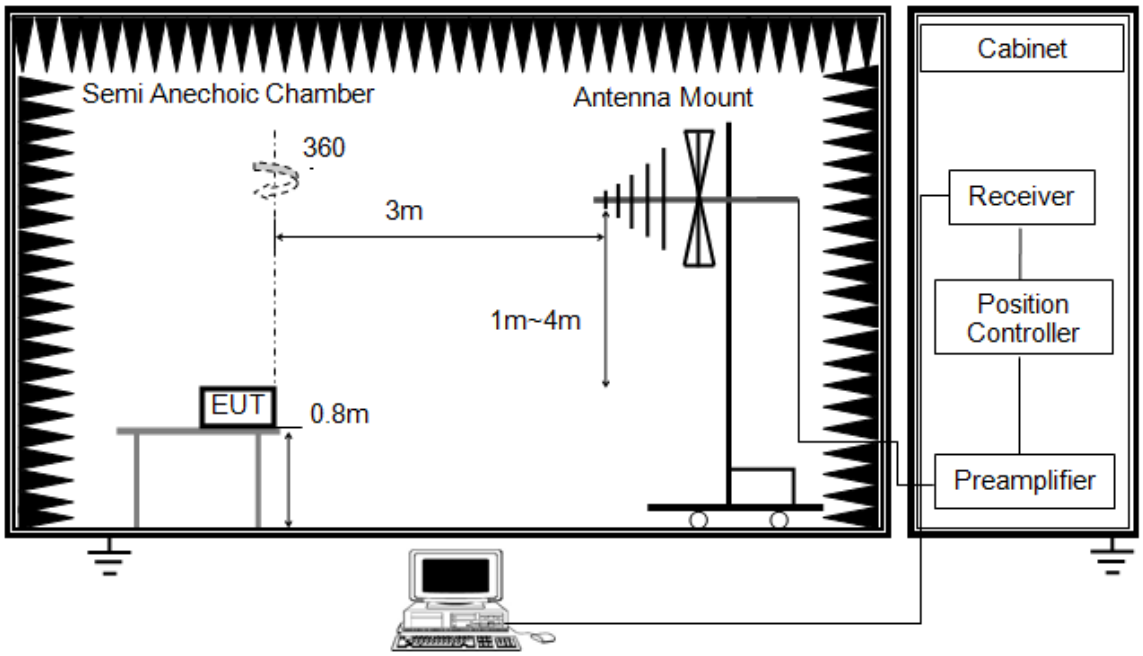
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1G



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

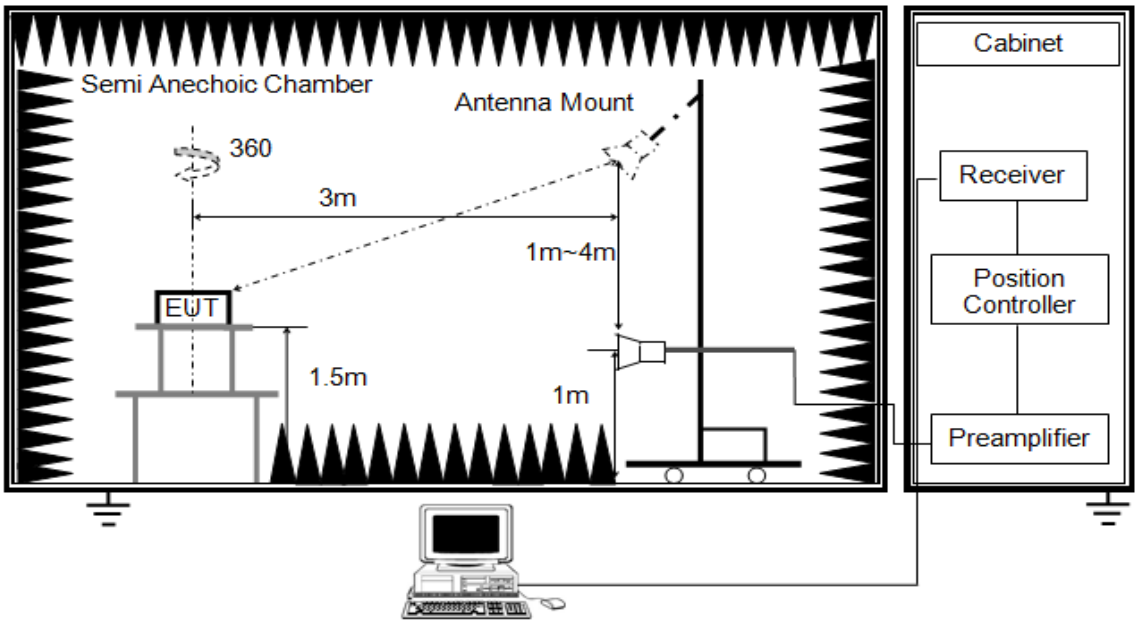
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

ABOVE 1G



The setting of the spectrum analyser

RBW	1M MHz
VBW	PEAK: 3M AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

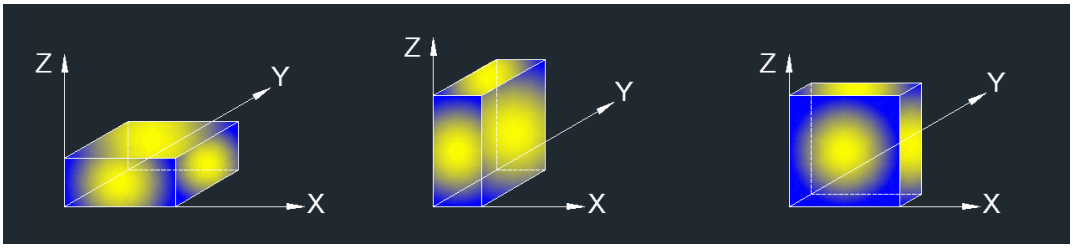
3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector. For the Duty Cycle please refer to clause 6.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

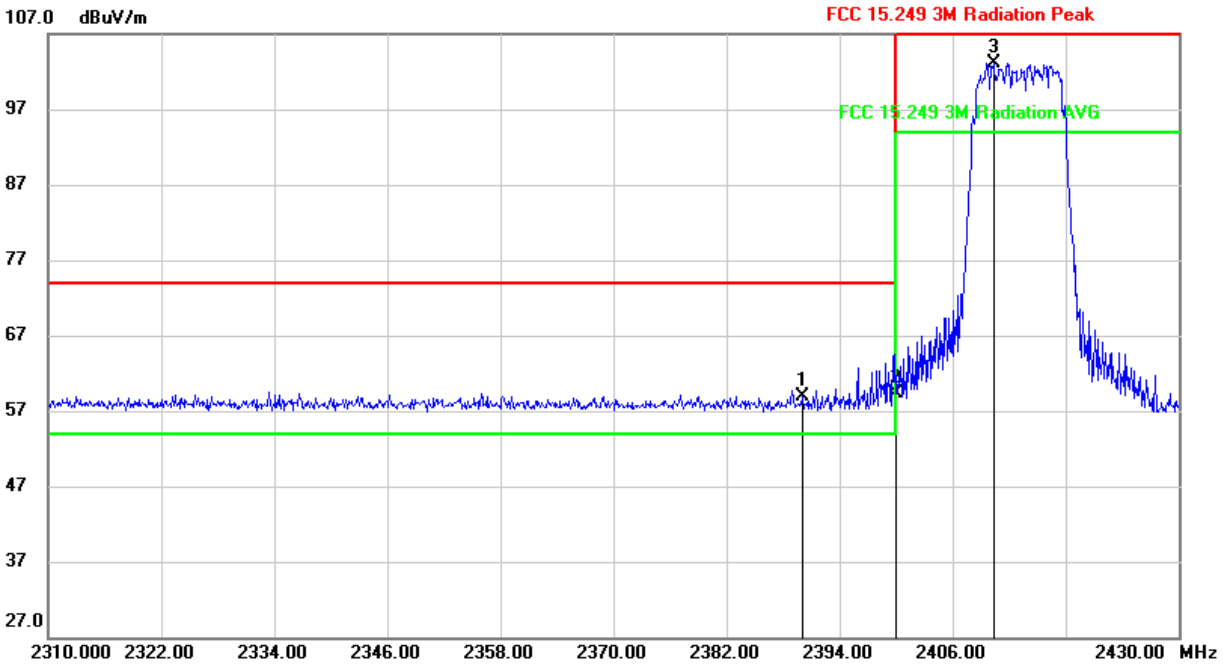
Note 2: All the EUT's emissions had been evaluated for simultaneous transmission with the other 915MHz transmitter and there were no any additional or worse emissions found.

8.2. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

QPSK 10MHz Bandwidth Mode

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)

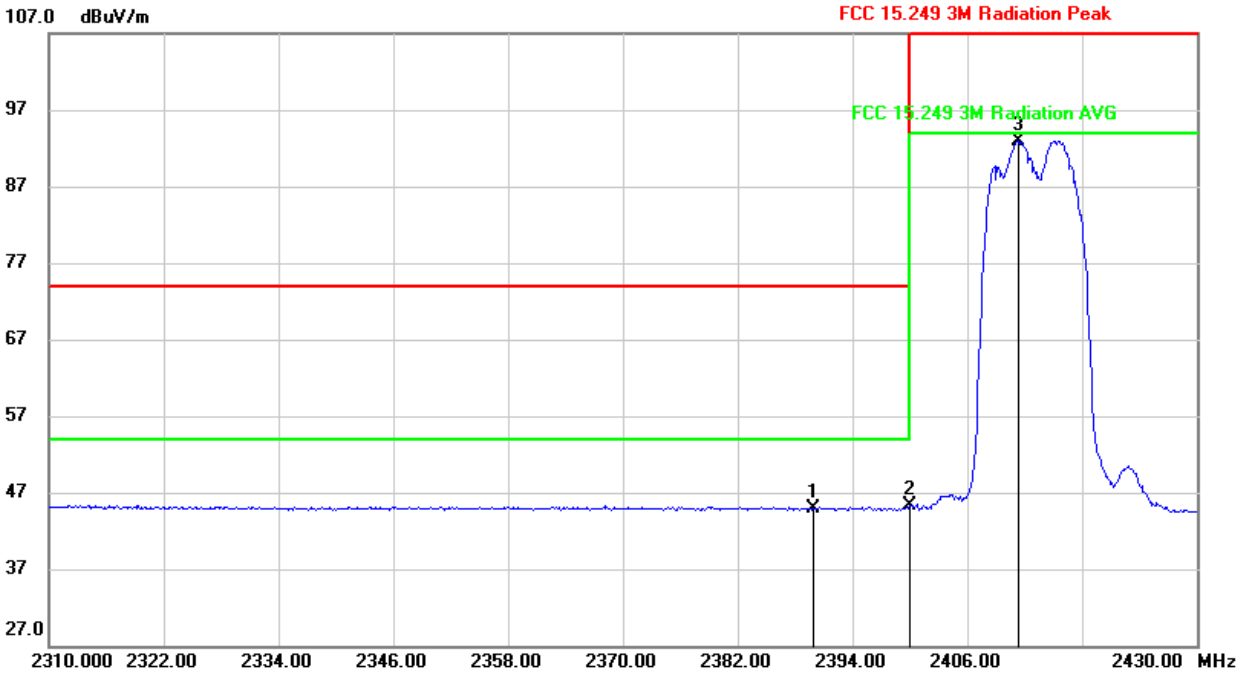
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	25.75	33.14	58.89	74.00	-15.11	peak
2	2400.000	26.24	33.07	59.31	74.00	-14.69	peak
3	2410.320	70.17	33.02	103.19	114.00	-10.81	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

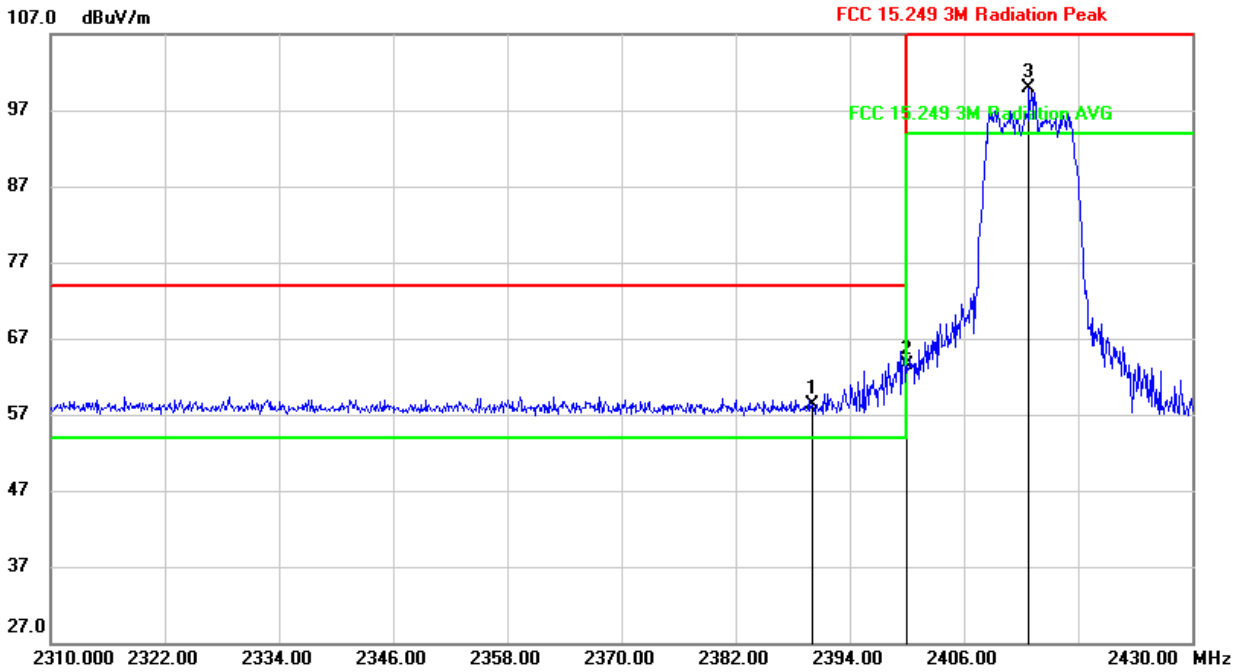


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.69	33.14	44.83	54.00	-9.17	AVG
2	2400.000	12.26	33.07	45.33	54.00	-8.67	AVG
3	2411.400	59.96	33.01	92.97	94.00	-1.03	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, VERTICAL)

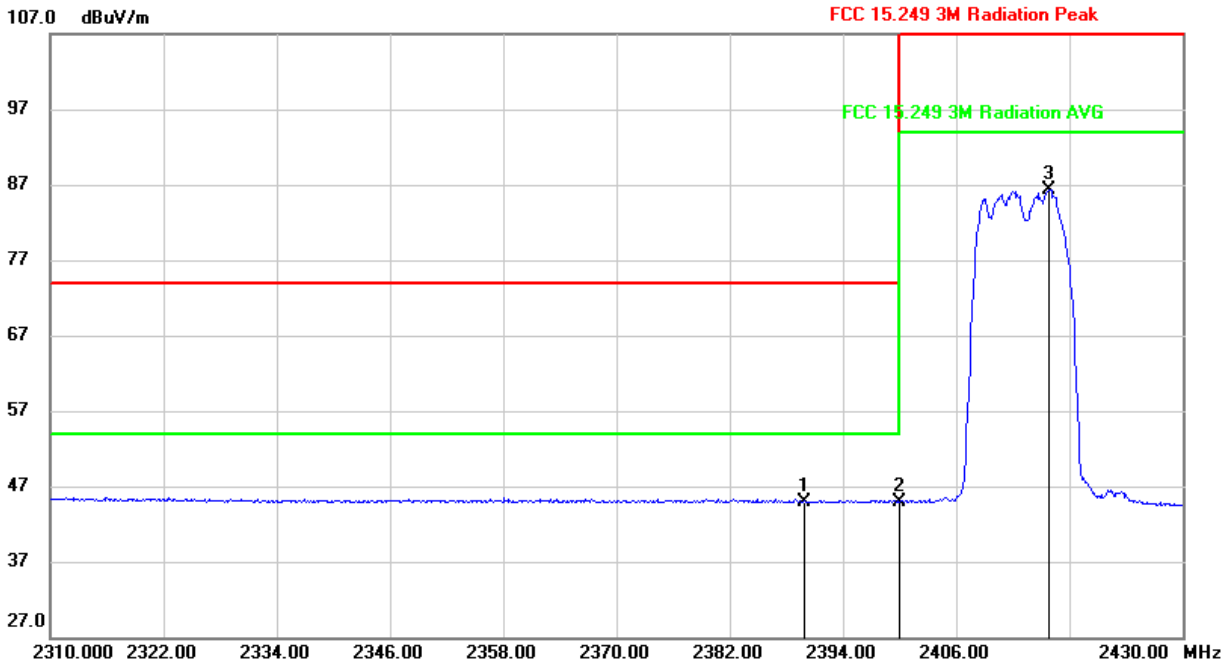
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	25.08	33.24	58.32	74.00	-15.68	peak
2	2400.000	30.38	33.17	63.55	74.00	-10.45	peak
3	2412.840	66.75	33.10	99.85	114.00	-14.15	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

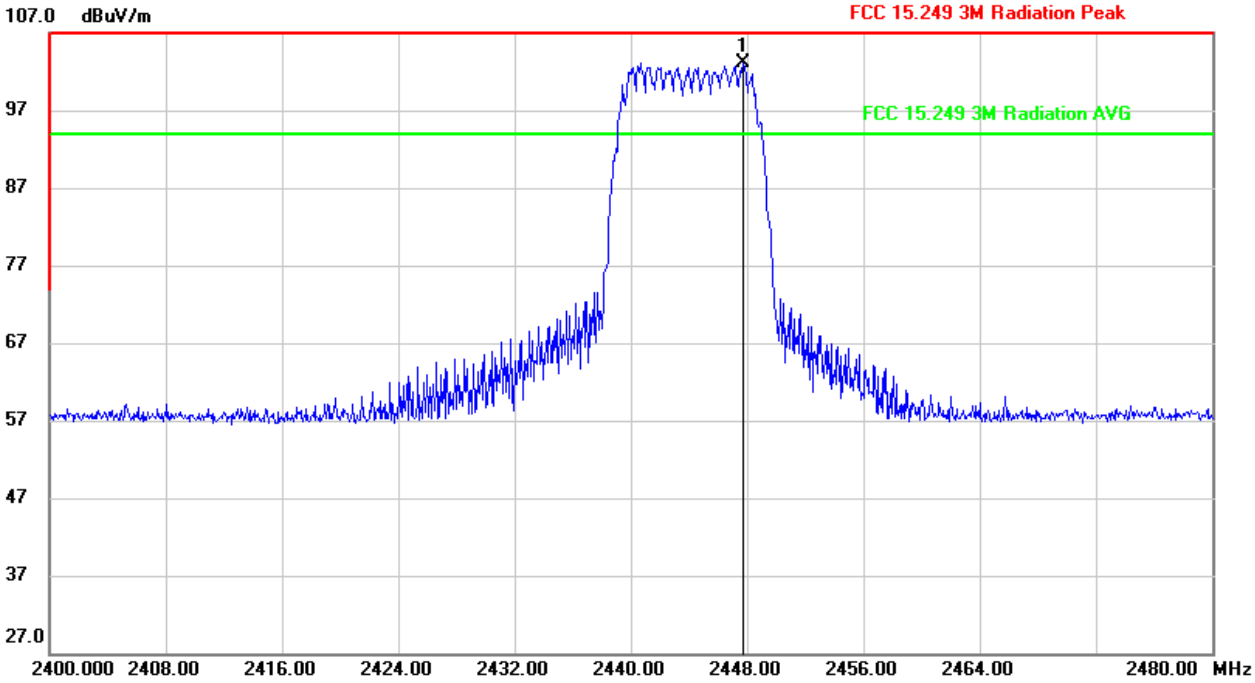


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.67	33.24	44.91	54.00	-9.09	AVG
2	2400.000	11.70	33.17	44.87	54.00	-9.13	AVG
3	2415.840	53.27	33.09	86.36	94.00	-7.64	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, HORIZONTAL)

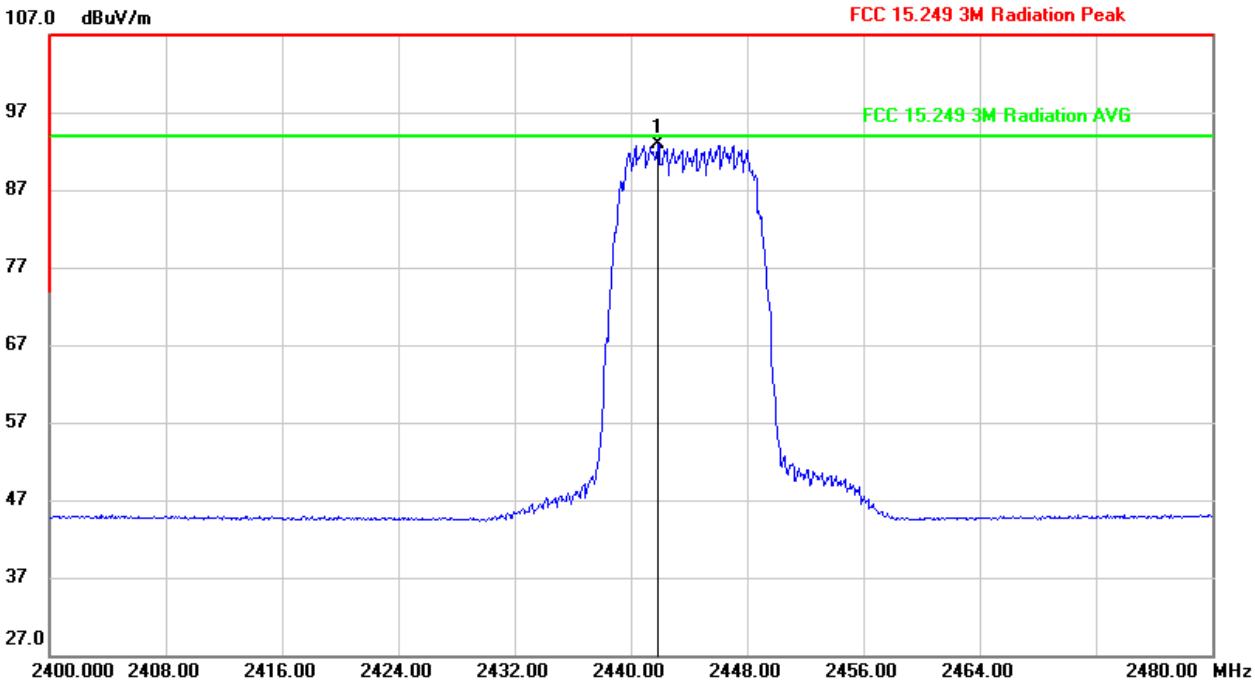
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2447.680	70.31	32.83	103.14	114.00	-10.86	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

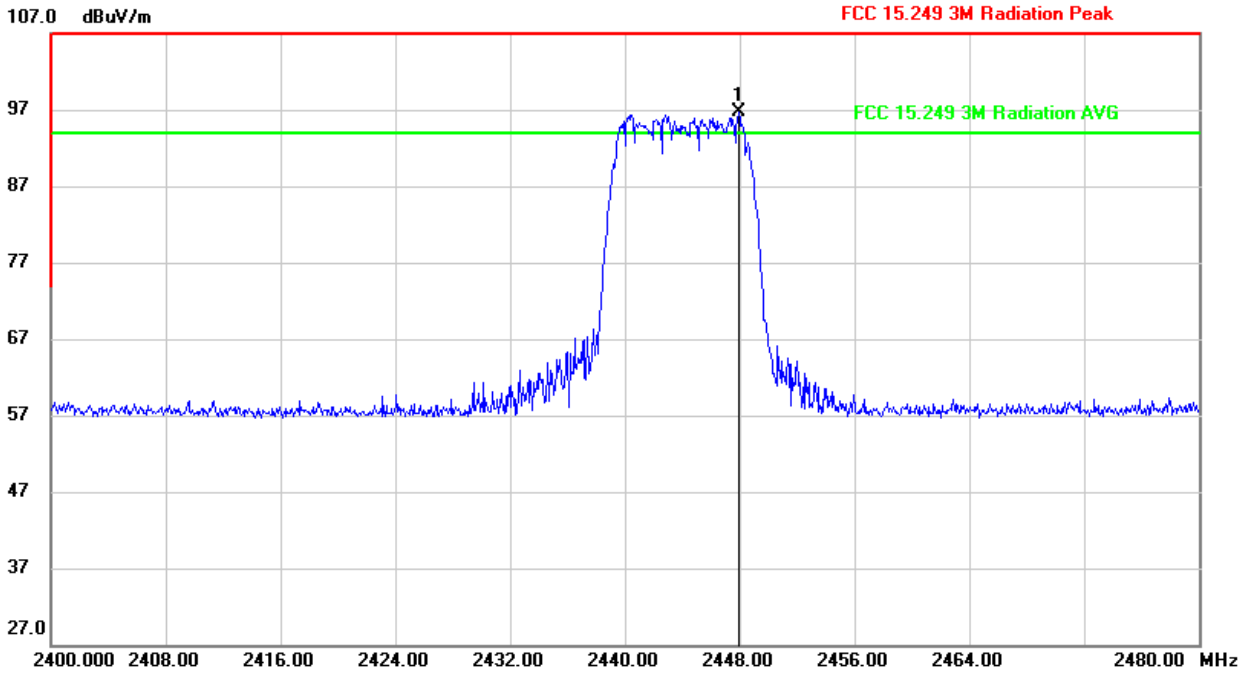


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2441.840	60.10	32.86	92.96	94.00	-1.04	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, VERTICAL)

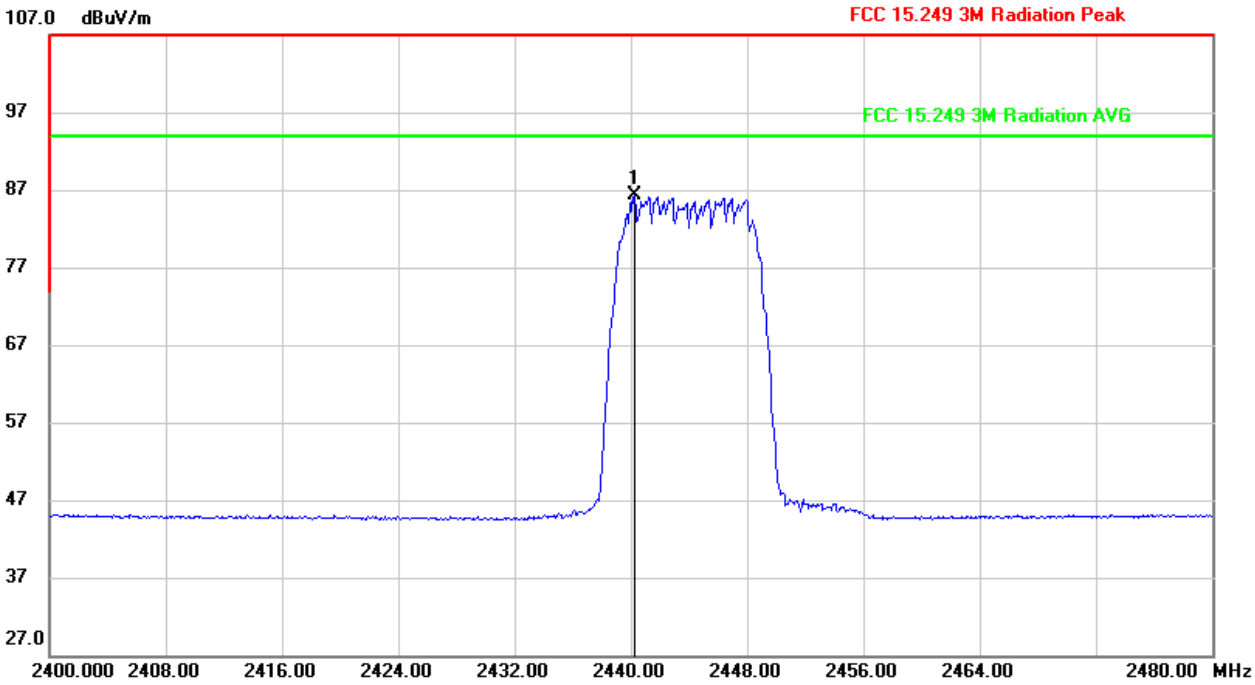
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2447.920	63.82	32.93	96.75	114.00	-17.25	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

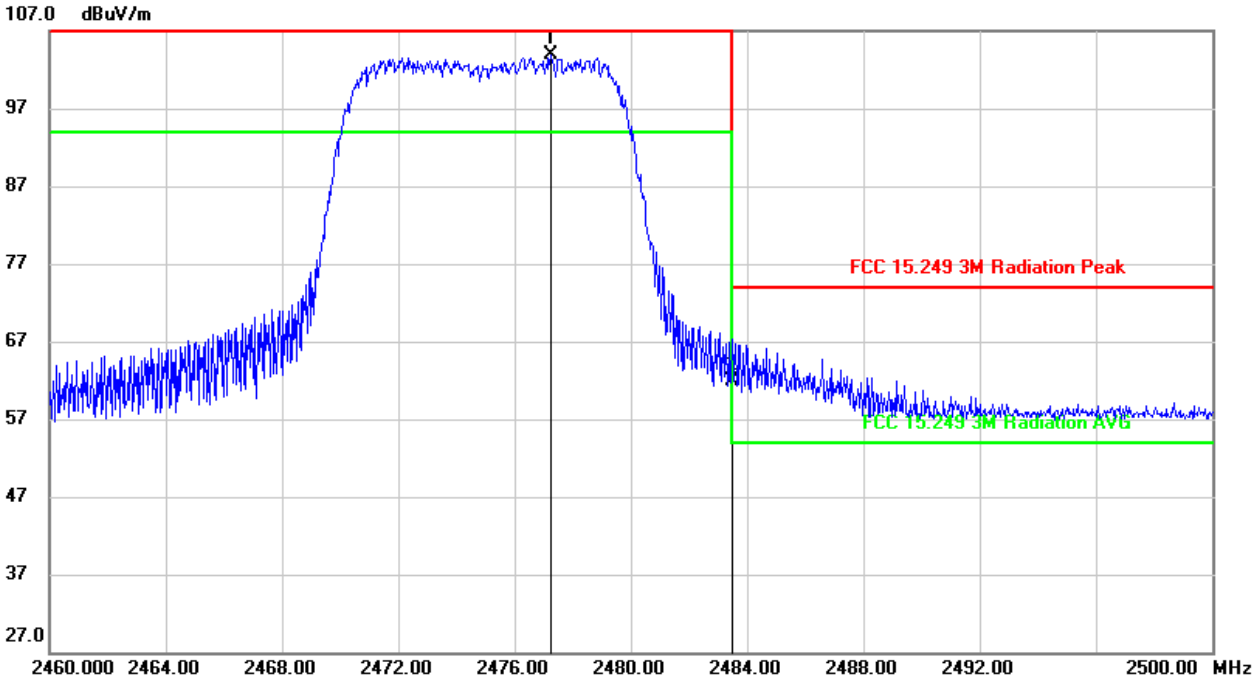


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2440.240	53.25	32.97	86.22	94.00	-7.78	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

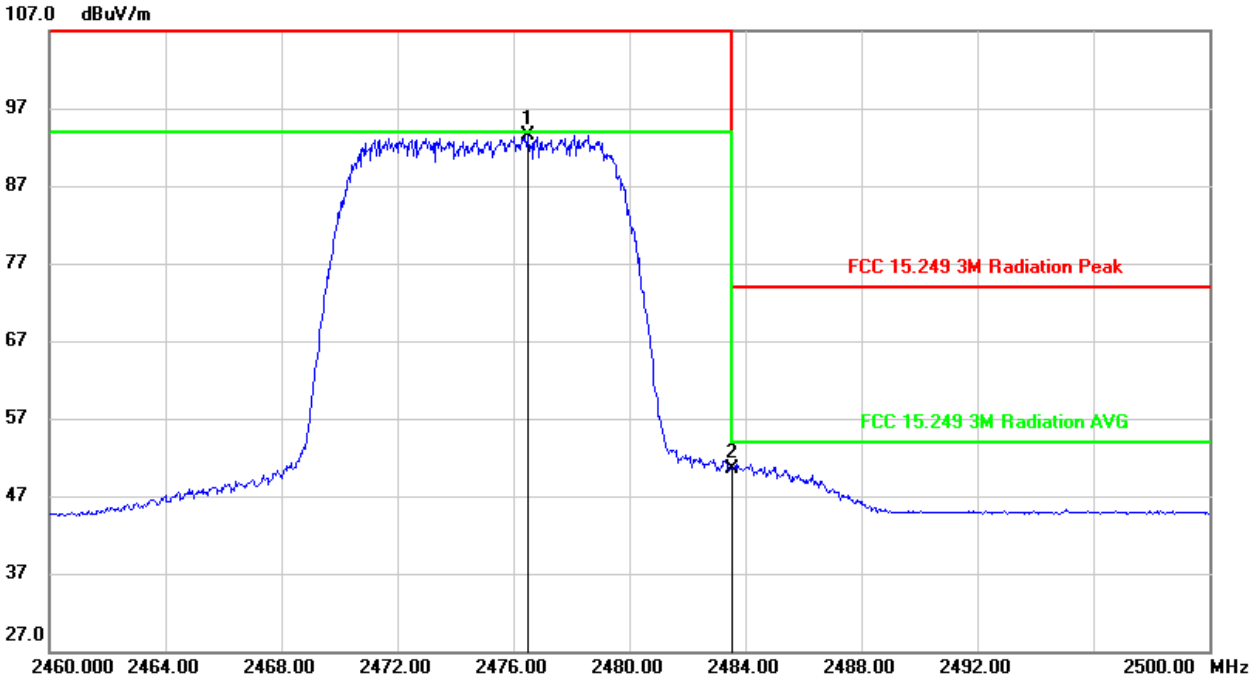
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2477.240	71.15	32.80	103.95	114.00	-10.05	peak
2	2483.500	29.13	32.78	61.91	74.00	-12.09	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

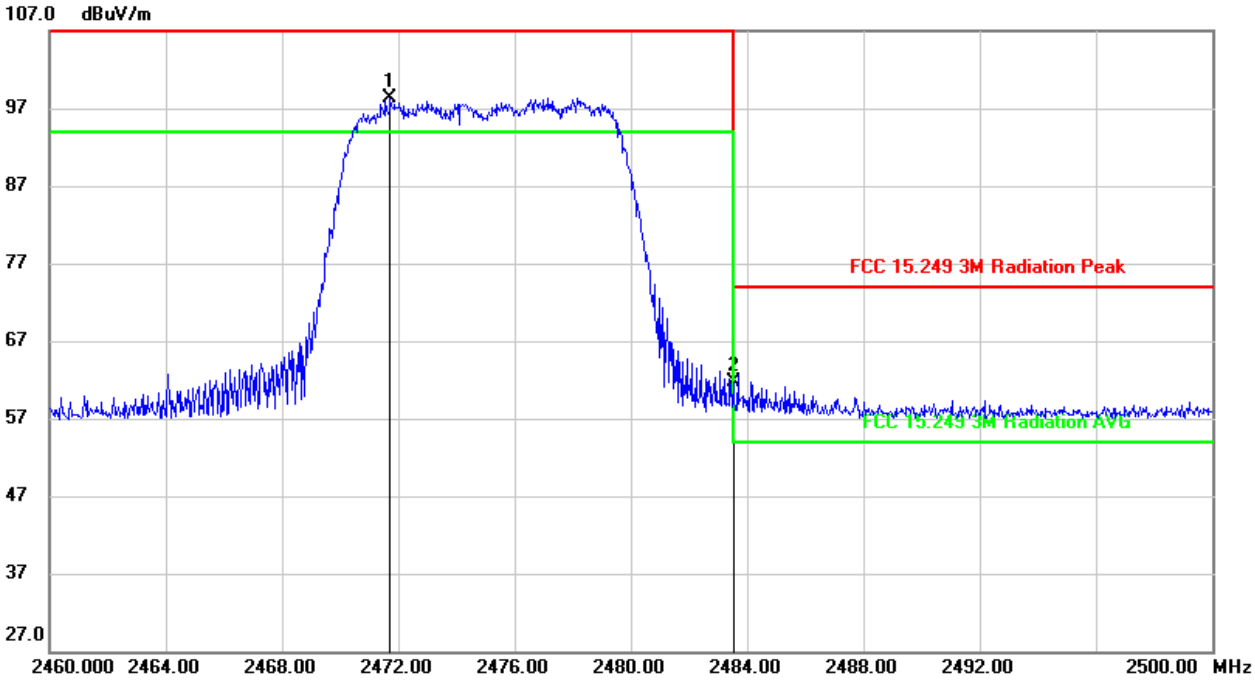


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2476.480	60.64	32.80	93.44	94.00	-0.56	AVG
2	2483.500	17.81	32.78	50.59	54.00	-3.41	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)

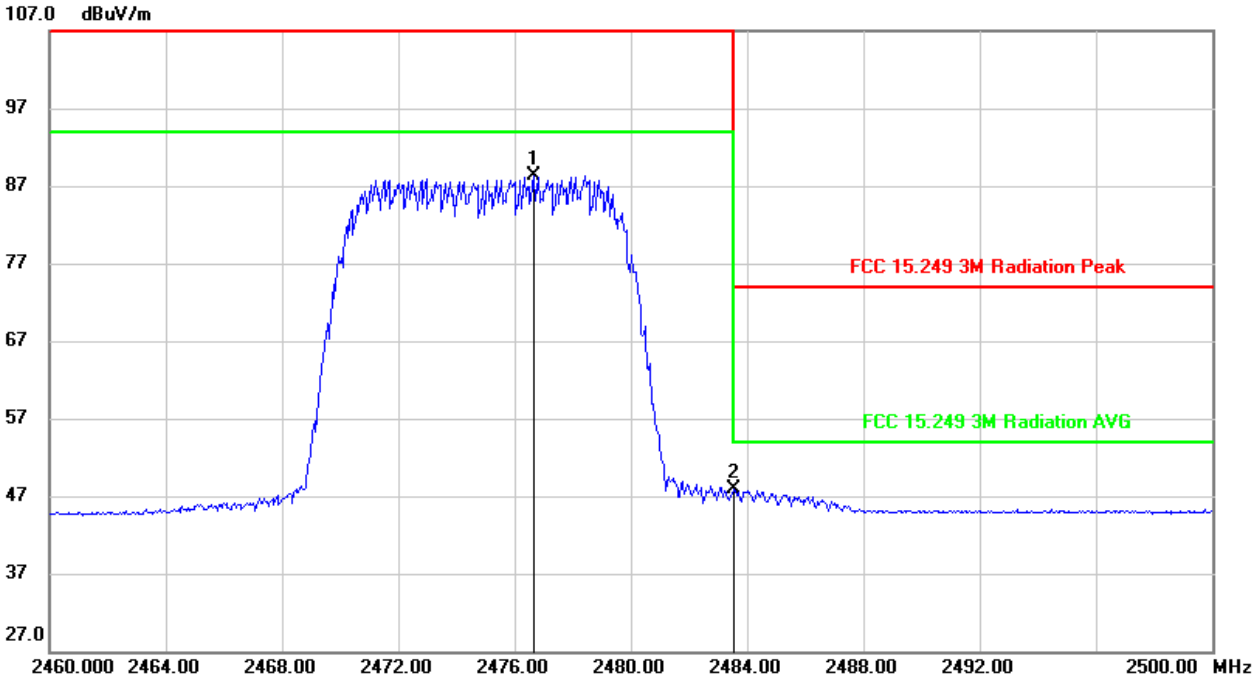
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2471.720	65.37	32.90	98.27	114.00	-15.73	peak
2	2483.500	28.78	32.88	61.66	74.00	-12.34	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



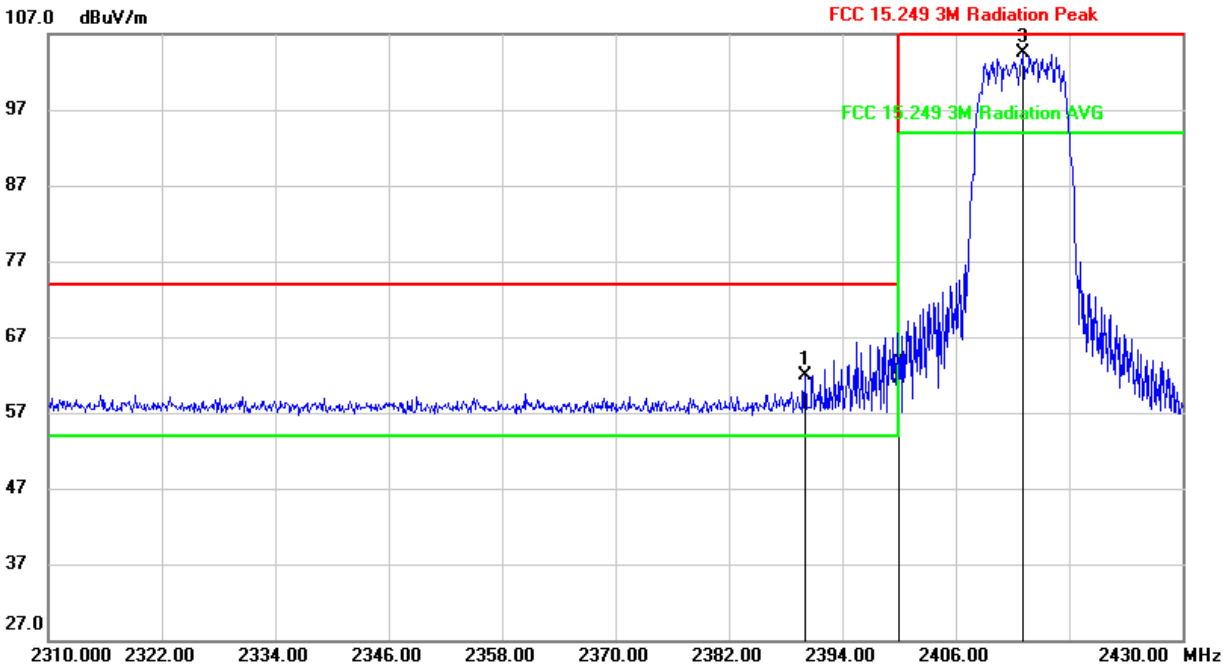
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2476.680	55.45	32.90	88.35	94.00	-5.65	AVG
2	2483.500	15.08	32.88	47.96	54.00	-6.04	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

OFDM 10MHz Bandwidth Mode

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.74	33.14	61.88	74.00	-12.12	peak
2	2400.000	28.49	33.07	61.56	74.00	-12.44	peak
3	2413.080	71.58	33.00	104.58	114.00	-9.42	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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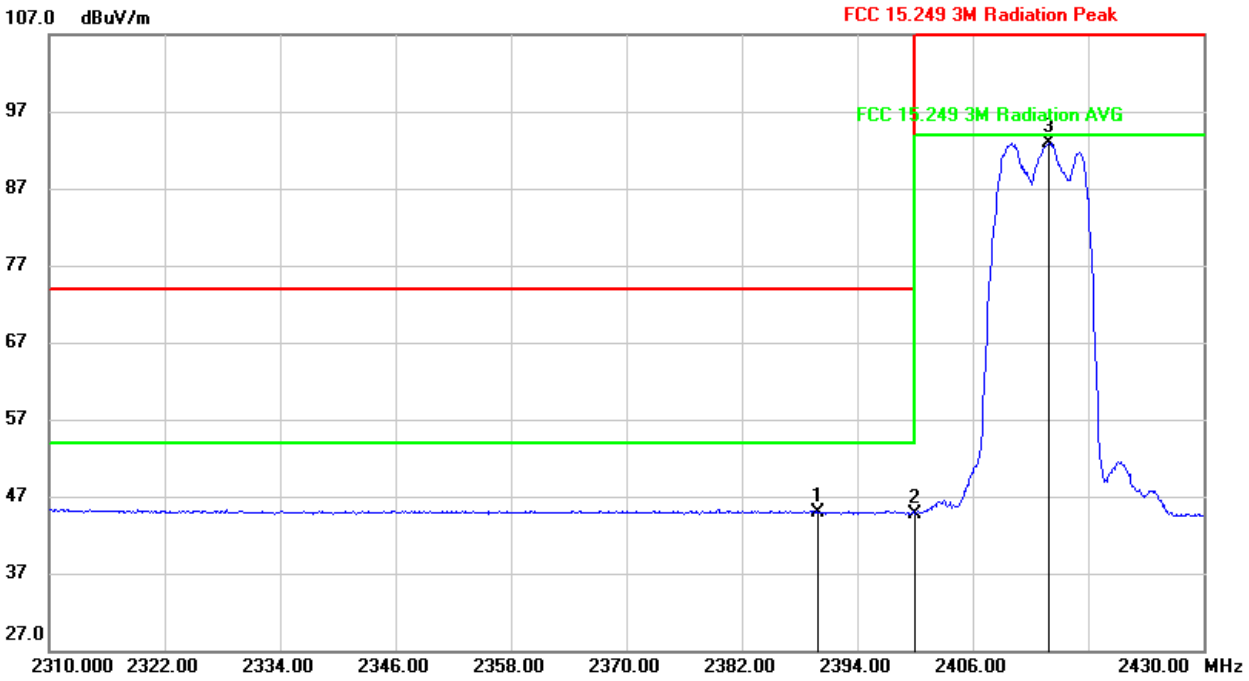
AVG

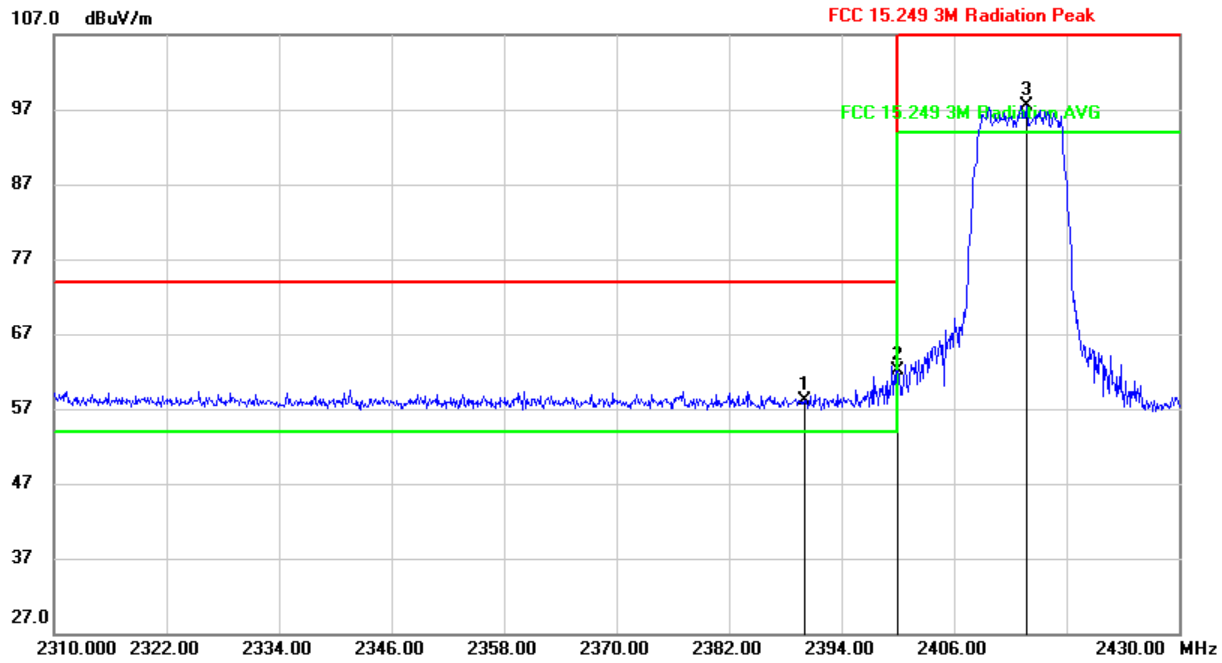


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	11.75	33.14	44.89	54.00	-9.11	AVG
2	2400.000	11.69	33.07	44.76	54.00	-9.24	AVG
3	2413.920	59.97	33.00	92.97	94.00	-1.03	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, VERTICAL)

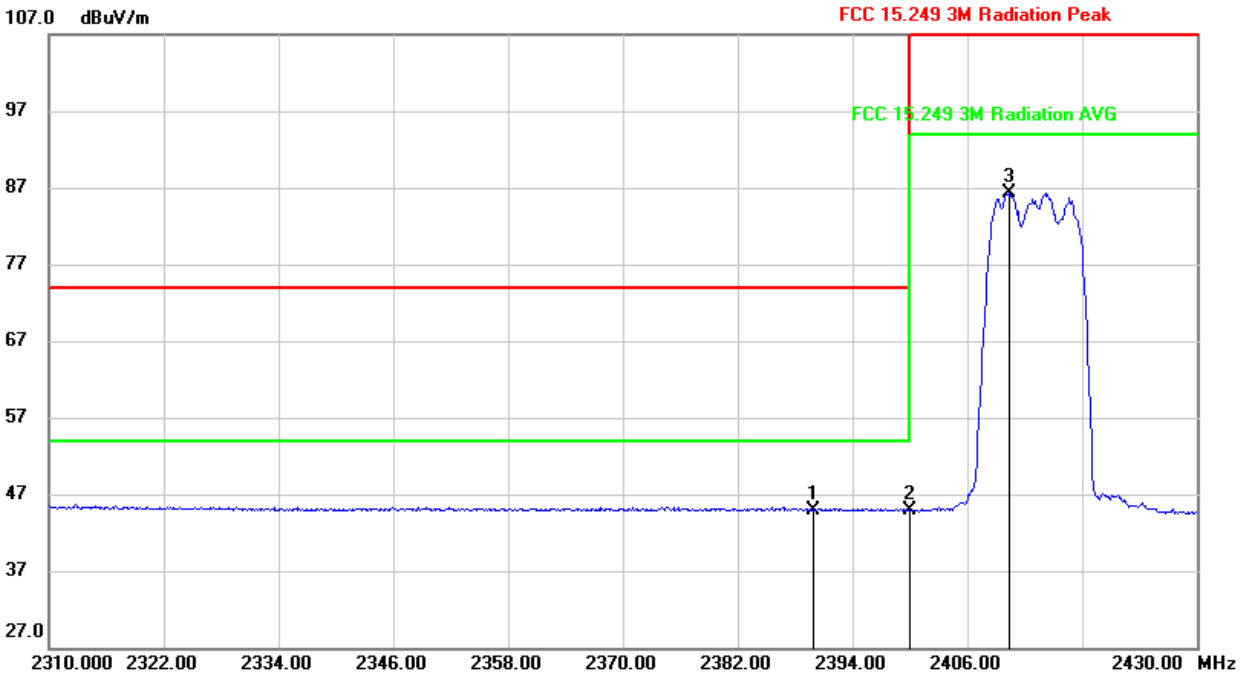
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	24.90	33.24	58.14	74.00	-15.86	peak
2	2400.000	28.84	33.17	62.01	74.00	-11.99	peak
3	2413.680	64.39	33.10	97.49	114.00	-16.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

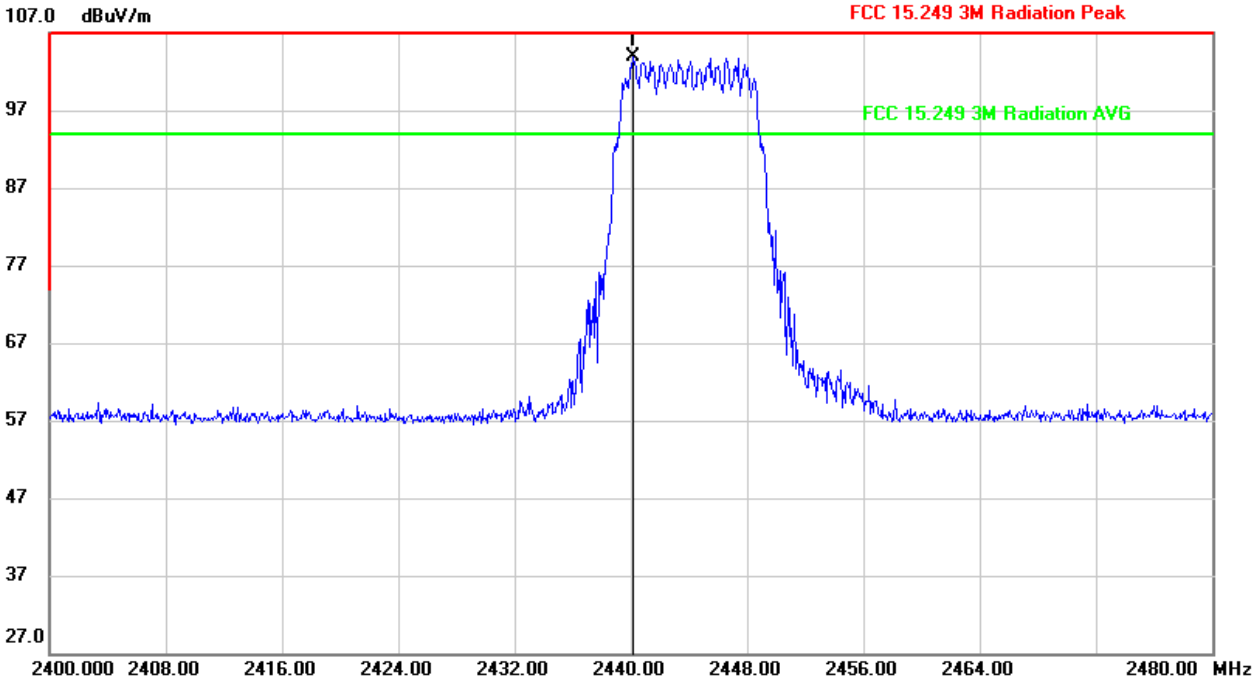


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.71	33.24	44.95	54.00	-9.05	AVG
2	2400.000	11.75	33.17	44.92	54.00	-9.08	AVG
3	2410.320	53.19	33.12	86.31	94.00	-7.69	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, HORIZONTAL)

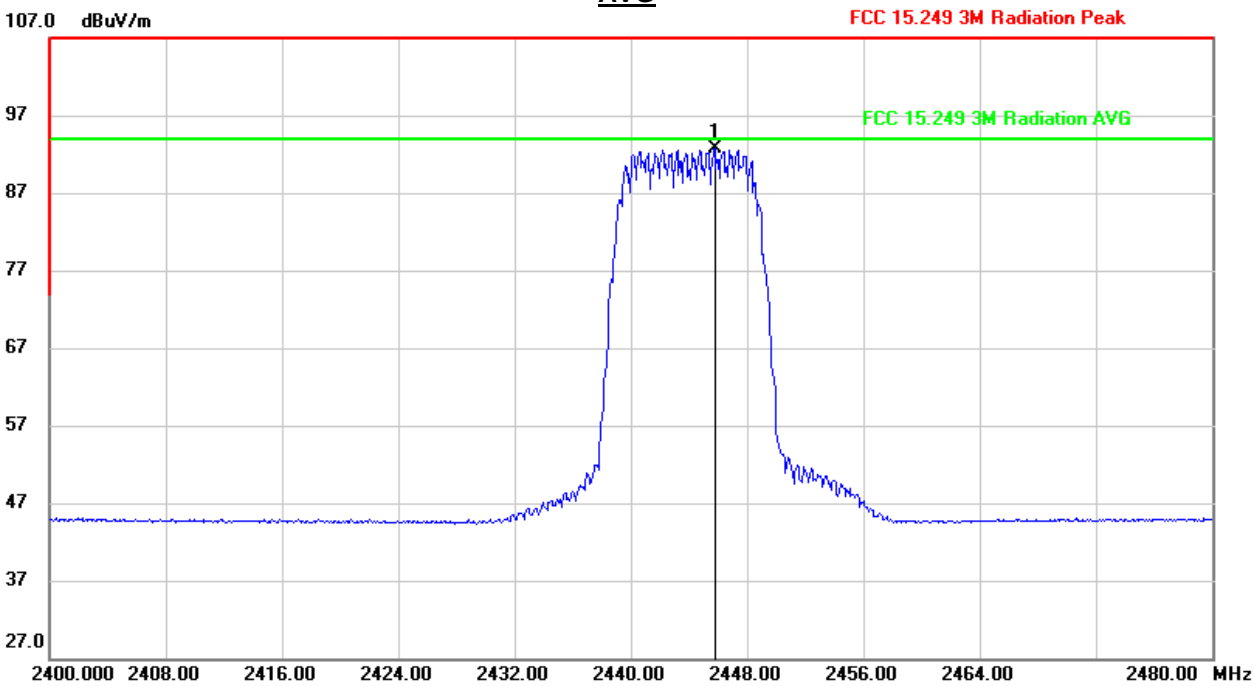
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2440.160	70.99	32.87	103.86	114.00	-10.14	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

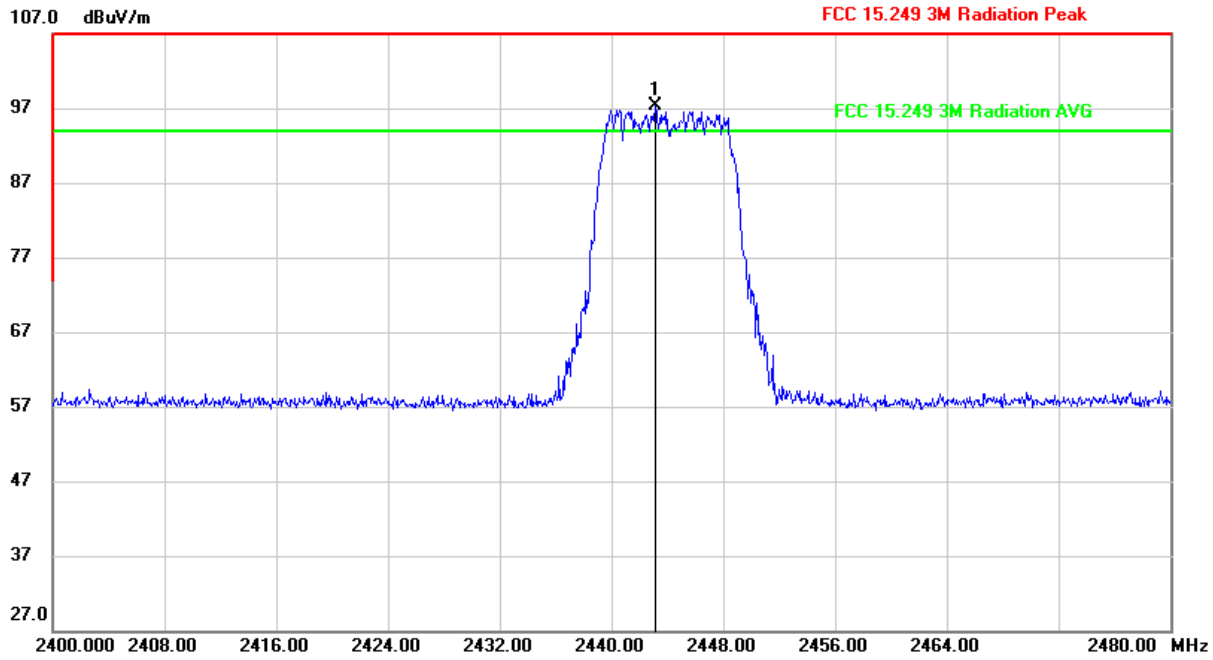


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2445.760	59.92	32.85	92.77	94.00	-1.23	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, VERTICAL)

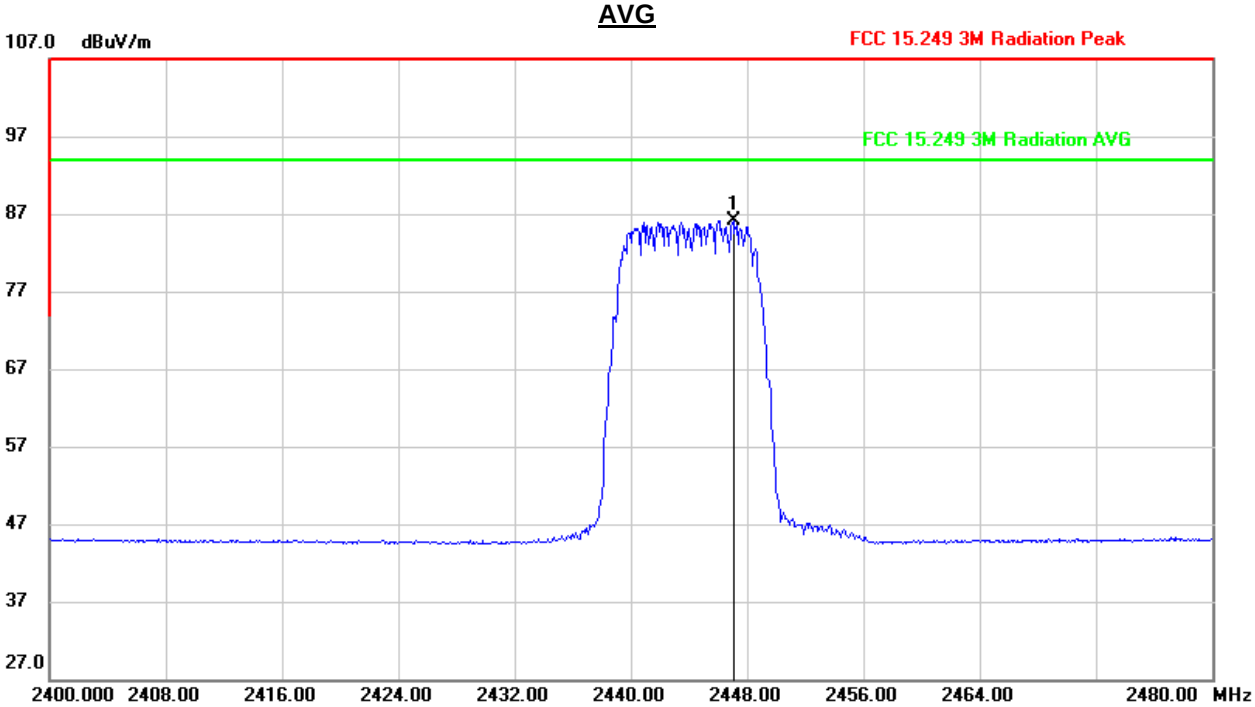
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2443.120	64.33	32.95	97.28	114.00	-16.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

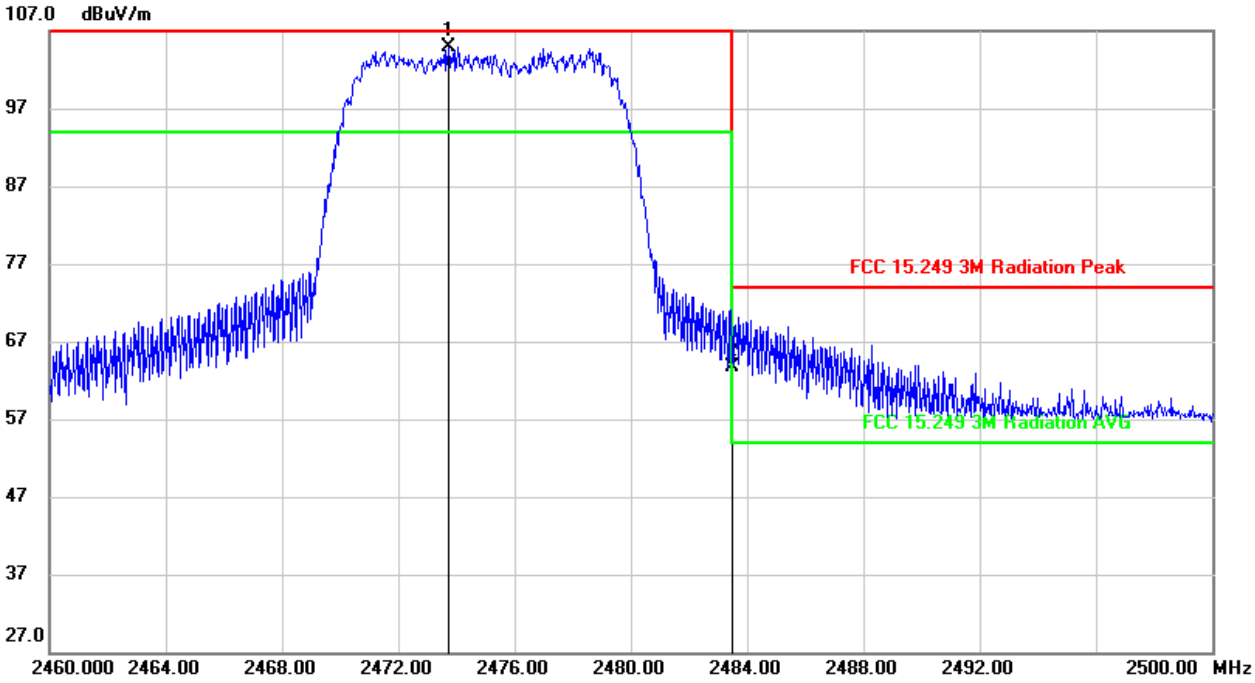


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2447.040	53.12	32.94	86.06	94.00	-7.94	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

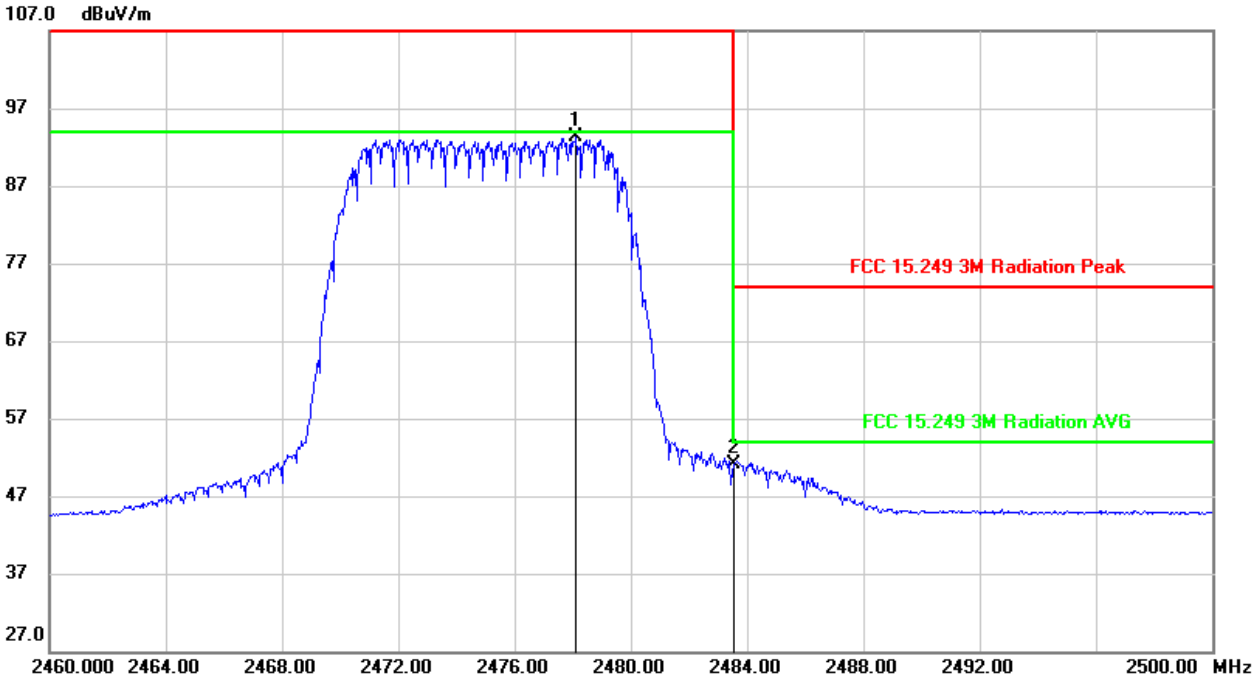
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2473.720	72.20	32.79	104.99	114.00	-9.01	peak
2	2483.500	31.02	32.78	63.80	74.00	-10.20	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

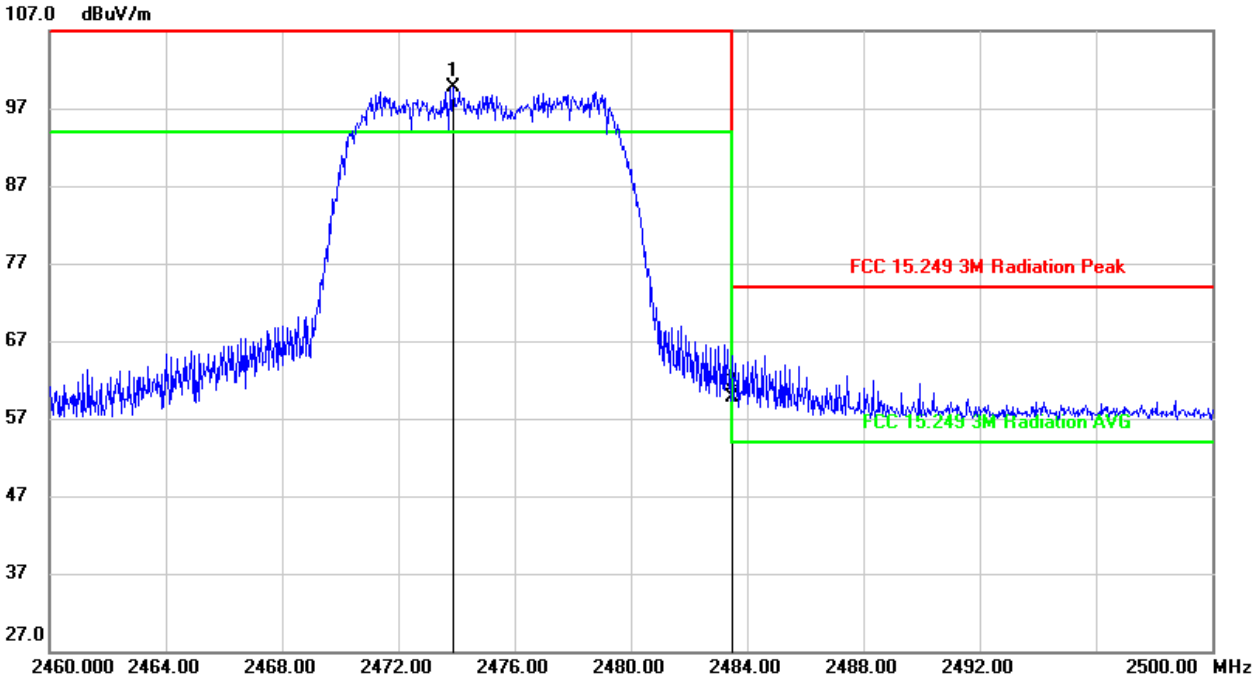


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2478.120	60.42	32.79	93.21	94.00	-0.79	AVG
2	2483.500	18.32	32.78	51.10	54.00	-2.90	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)

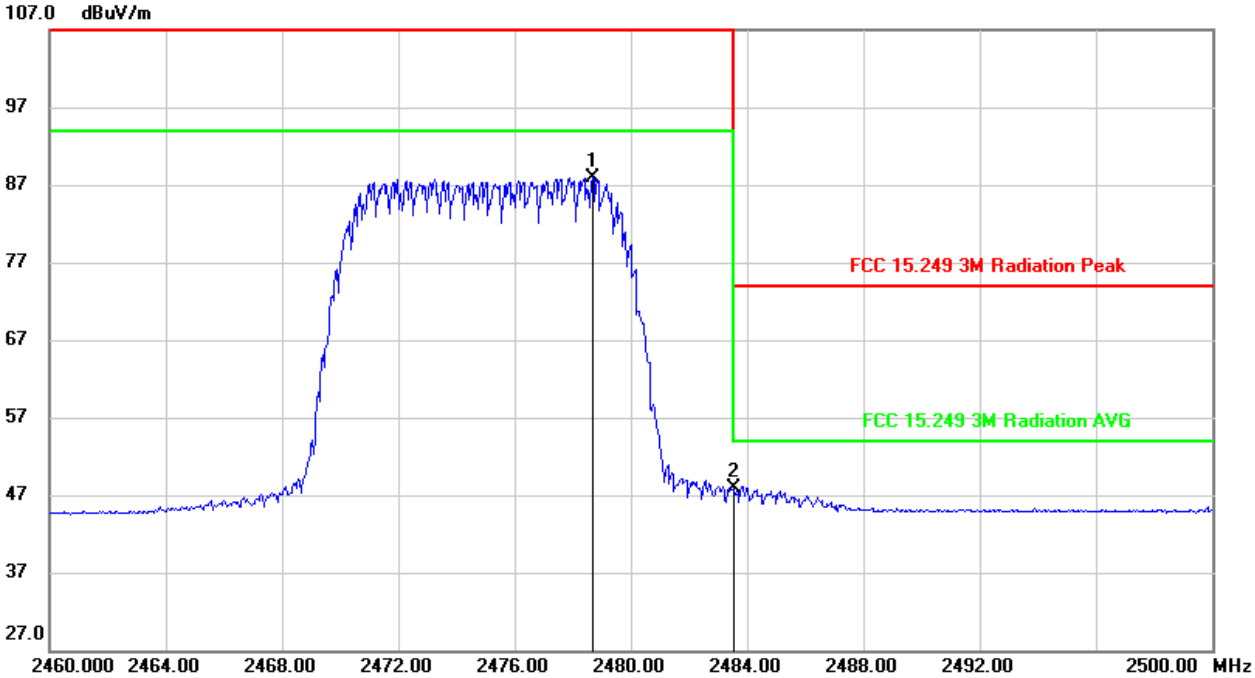
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2473.880	66.84	32.89	99.73	114.00	-14.27	peak
2	2483.500	26.82	32.88	59.70	74.00	-14.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



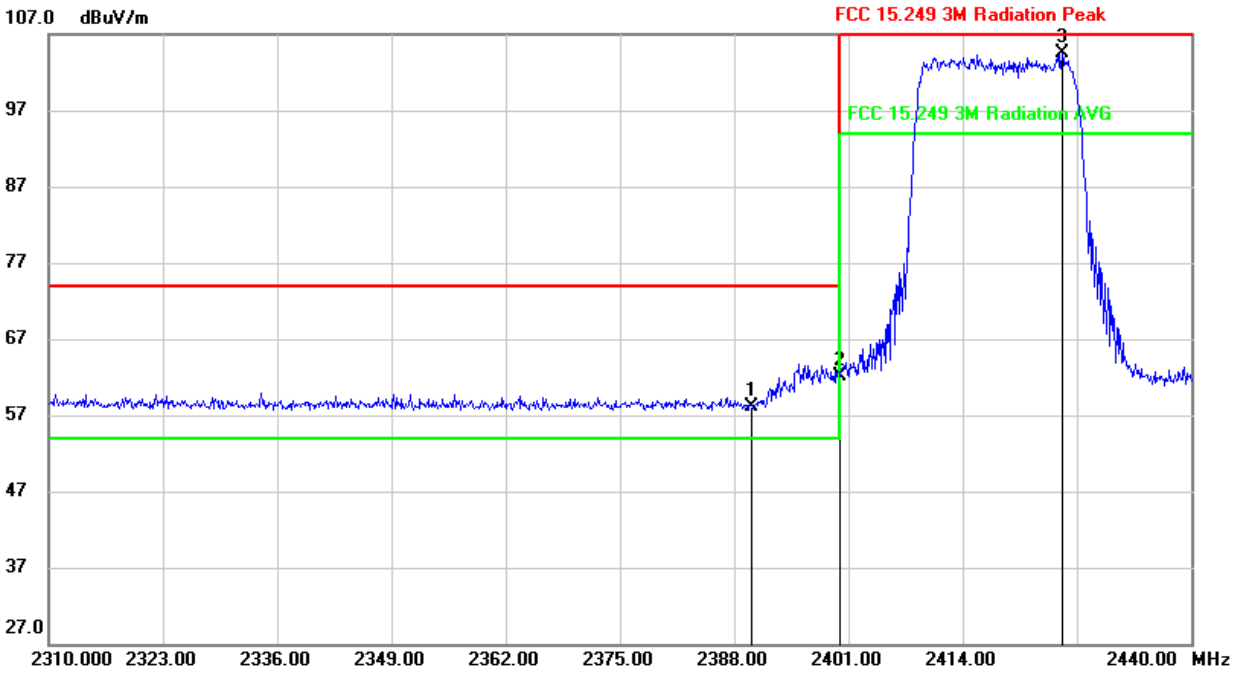
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2478.680	55.11	32.89	88.00	94.00	-6.00	AVG
2	2483.500	14.94	32.88	47.82	54.00	-6.18	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

QPSK 20MHz Bandwidth Mode

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)

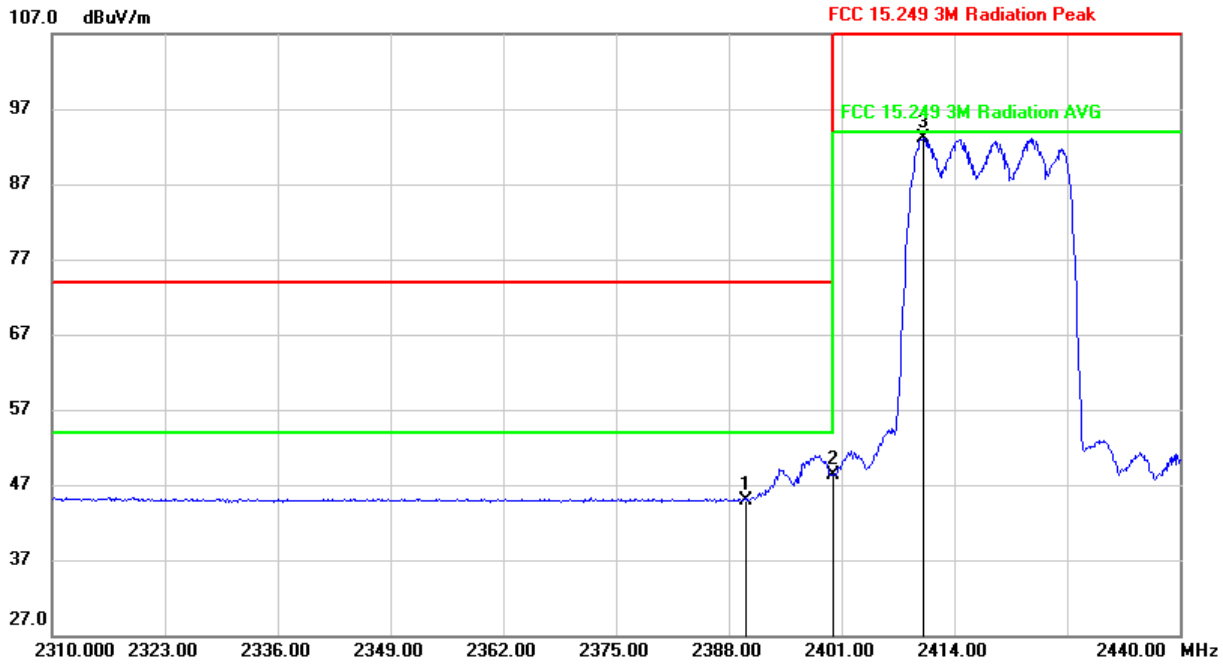
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	25.05	33.14	58.19	74.00	-15.81	peak
2	2400.000	29.13	33.07	62.20	74.00	-11.80	peak
3	2425.310	71.64	32.95	104.59	114.00	-9.41	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

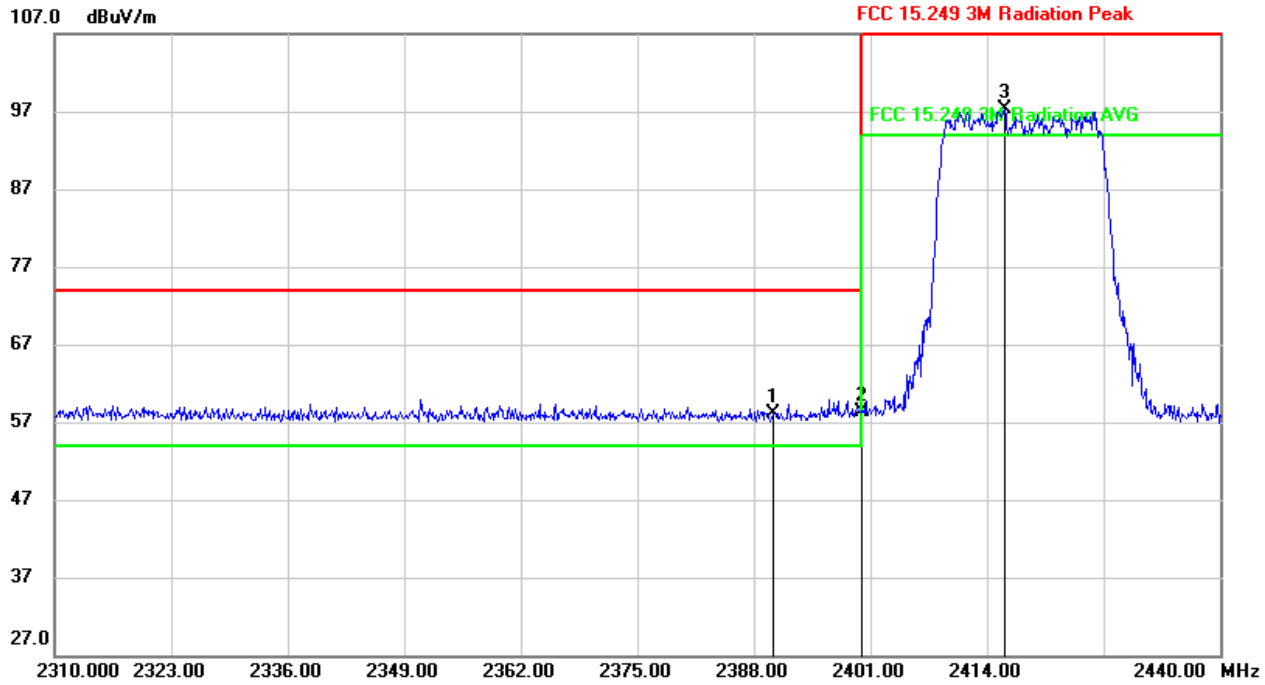


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.79	33.14	44.93	54.00	-9.07	AVG
2	2400.000	15.30	33.07	48.37	54.00	-5.63	AVG
3	2410.490	60.17	33.02	93.19	94.00	-0.81	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, VERTICAL)

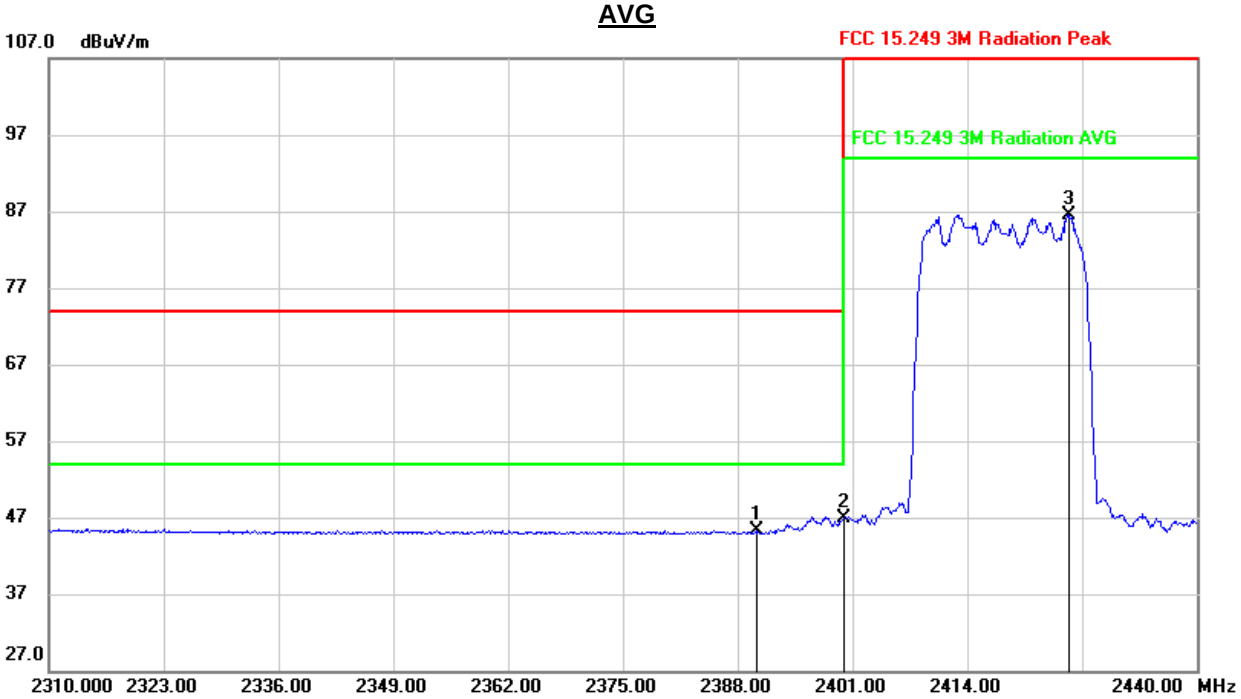
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	24.93	33.24	58.17	74.00	-15.83	peak
2	2400.000	25.07	33.17	58.24	74.00	-15.76	peak
3	2415.950	64.17	33.09	97.26	114.00	-16.74	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

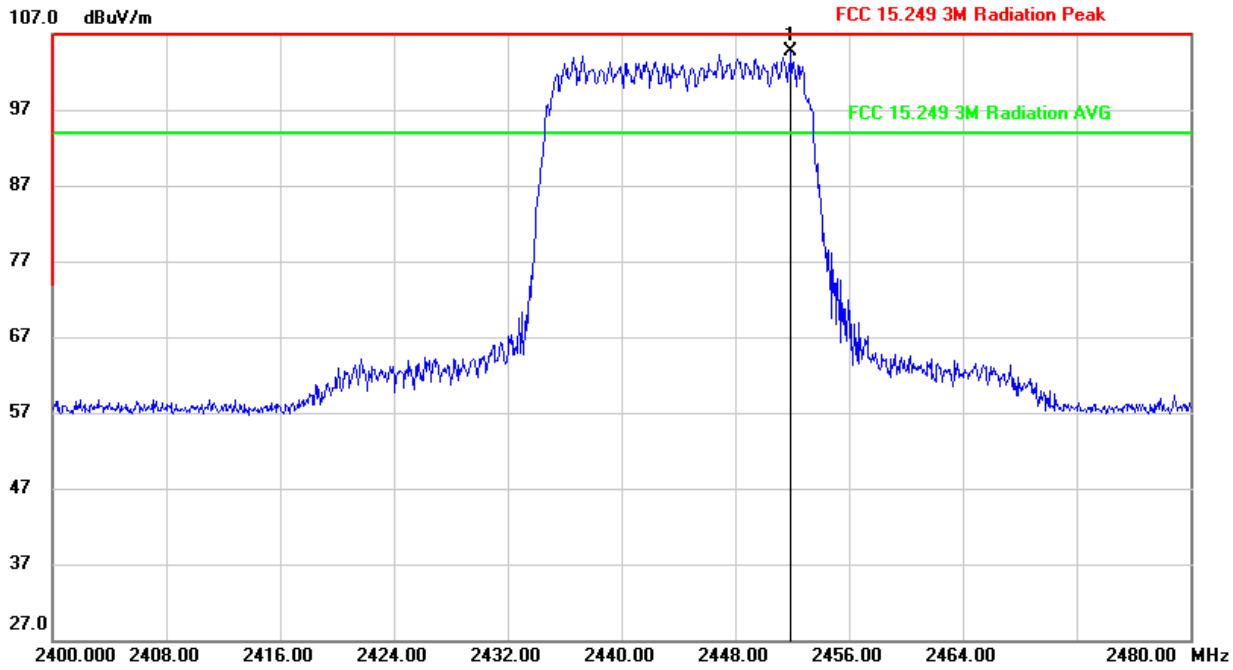


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	11.98	33.24	45.22	54.00	-8.78	AVG
2	2400.000	13.65	33.17	46.82	54.00	-7.18	AVG
3	2425.570	53.50	33.05	86.55	94.00	-7.45	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, HORIZONTAL)

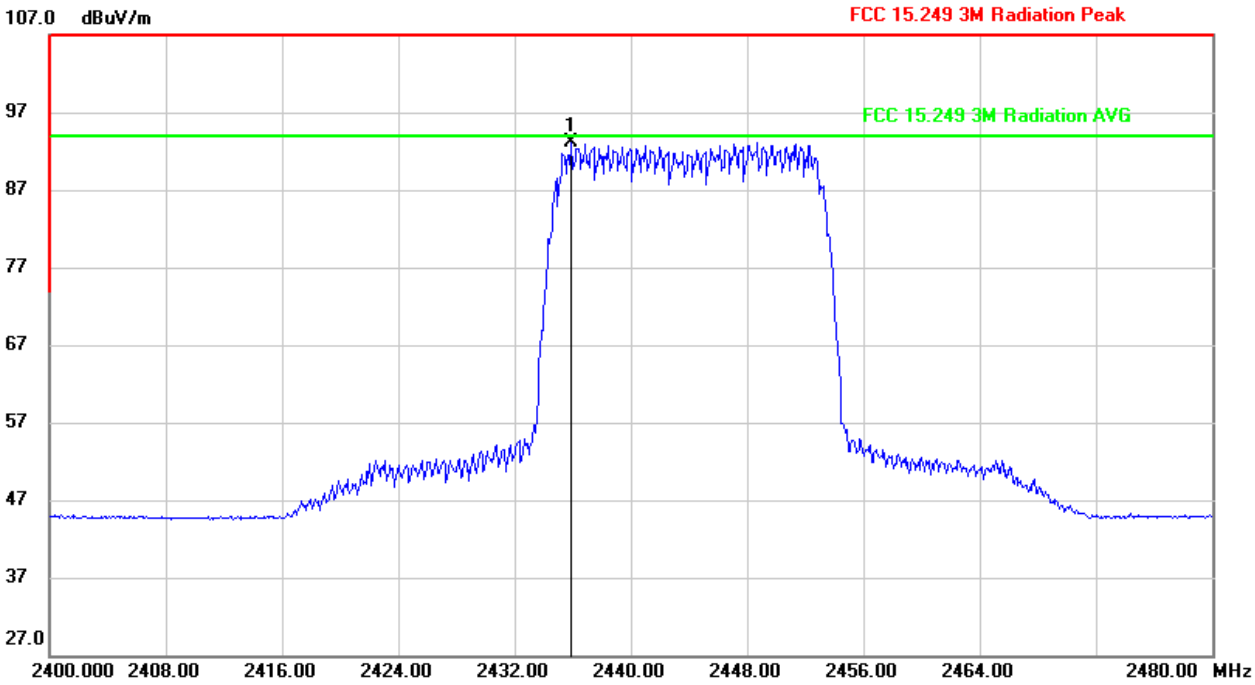
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2451.920	71.82	32.82	104.64	114.00	-9.36	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

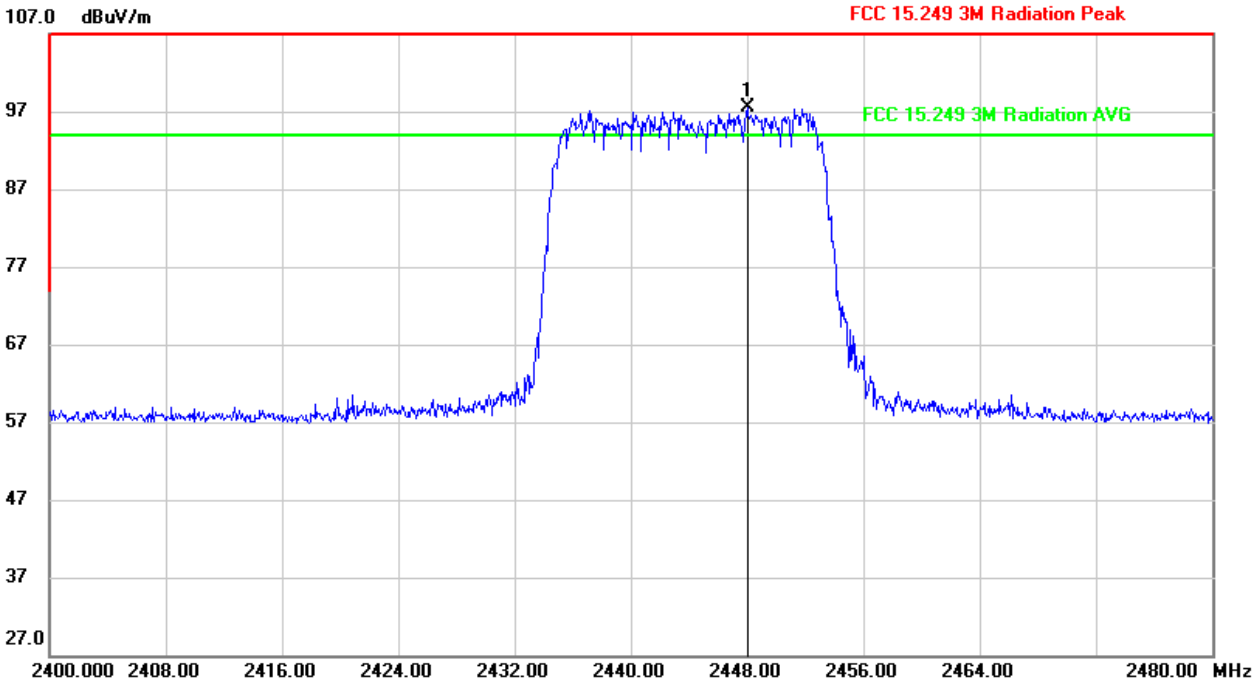


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2435.920	60.17	32.89	93.06	94.00	-0.94	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, VERTICAL)

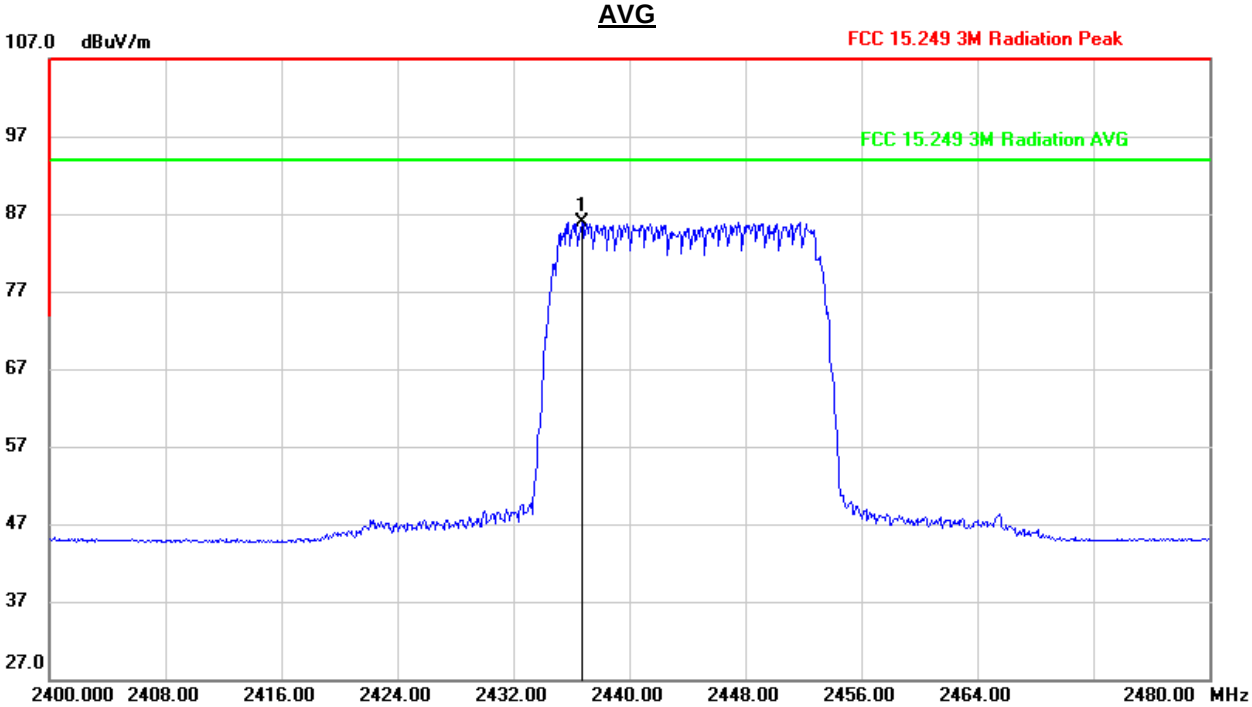
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2448.000	64.54	32.93	97.47	114.00	-16.53	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

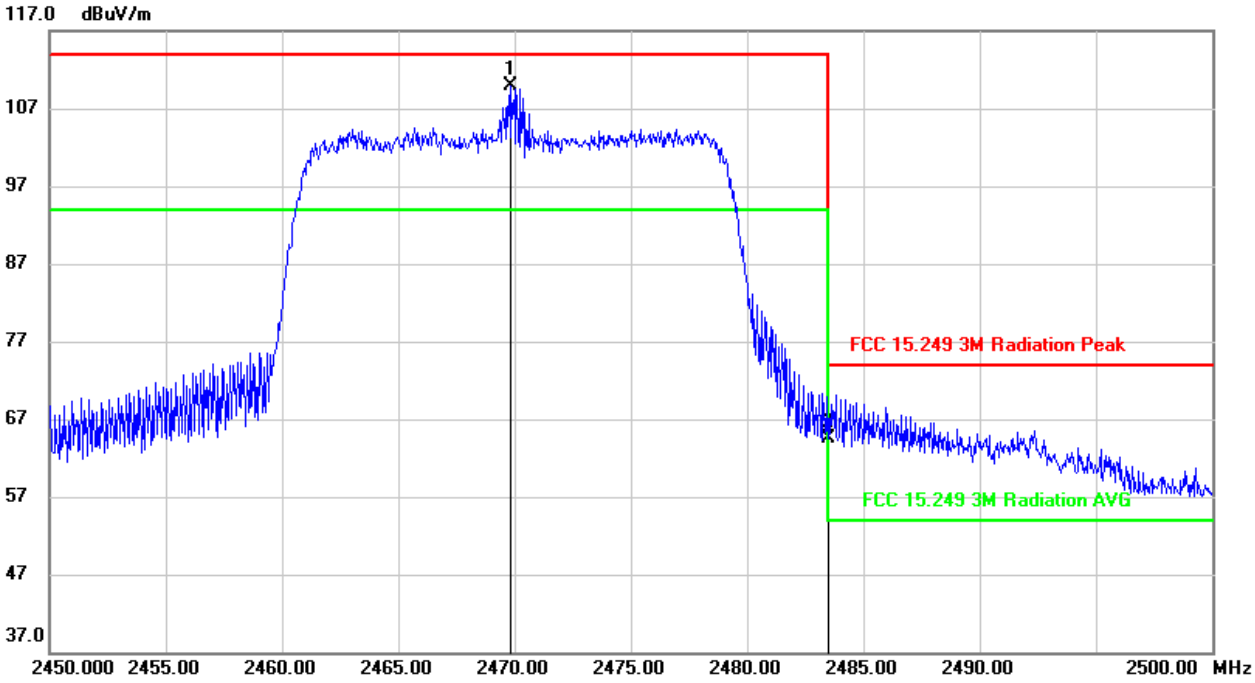


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2436.720	53.01	32.99	86.00	94.00	-8.00	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

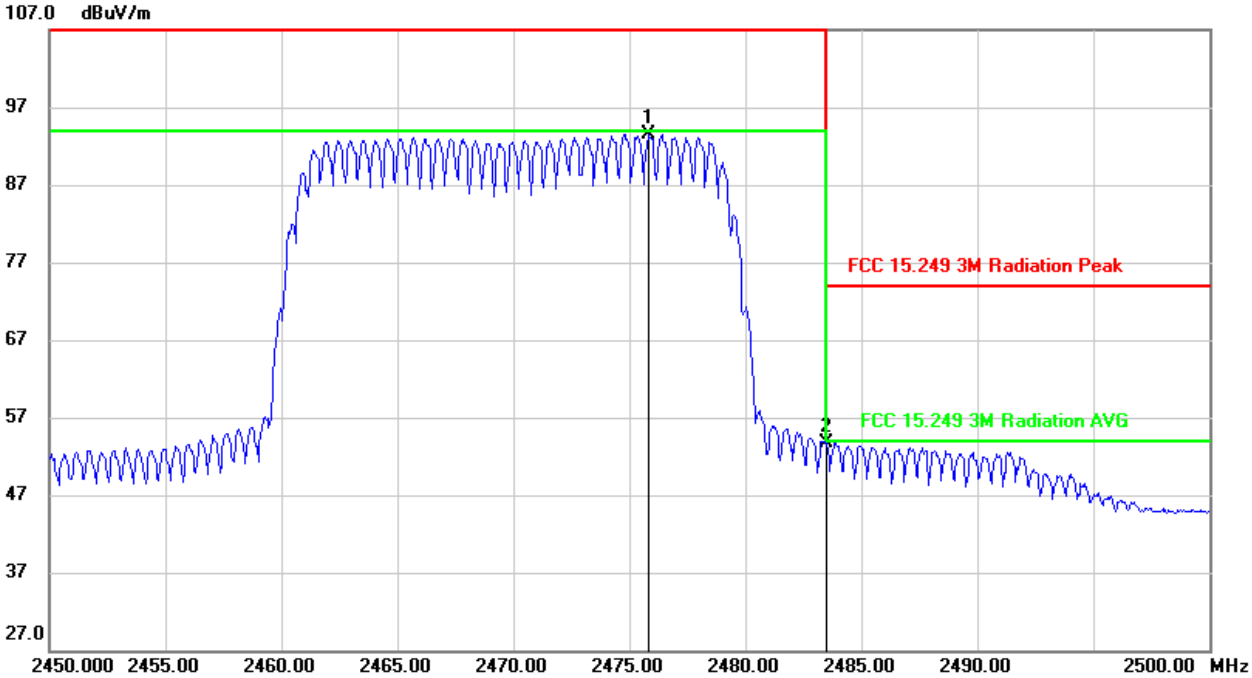
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2469.850	77.01	32.80	109.81	114.00	-4.19	peak
2	2483.500	31.71	32.78	64.49	74.00	-9.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

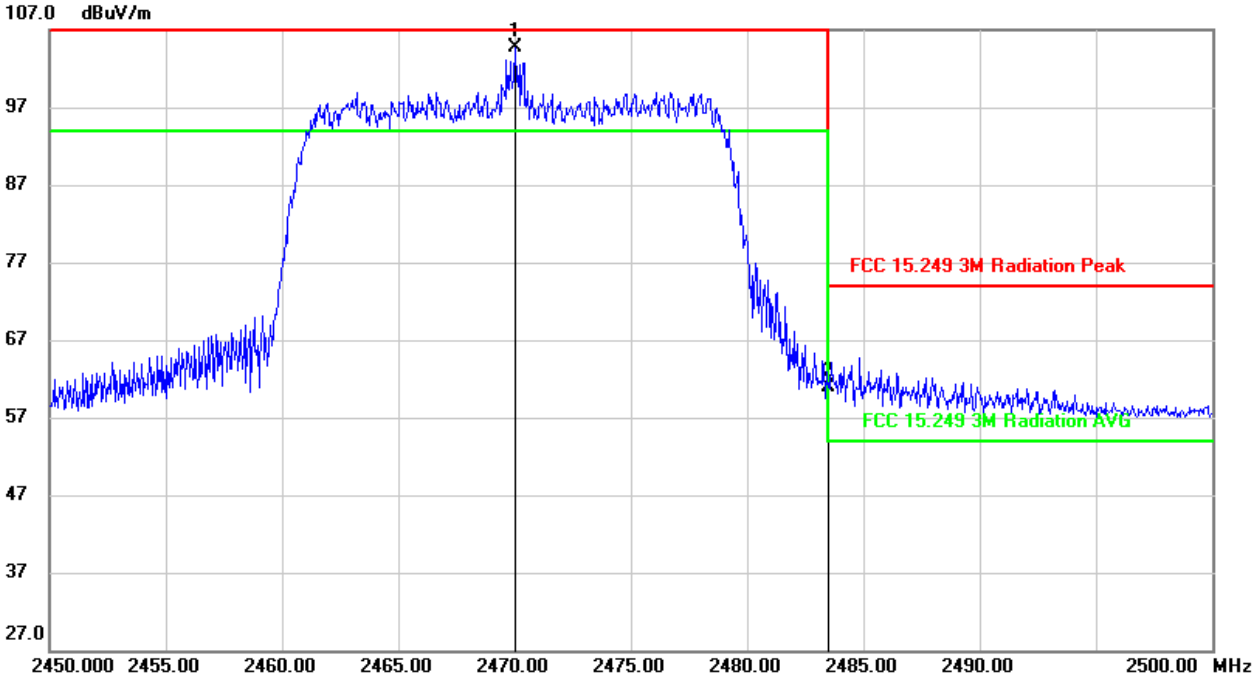


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2475.850	60.69	32.80	93.49	94.00	-0.51	AVG
2	2483.500	20.88	32.78	53.66	54.00	-0.34	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)

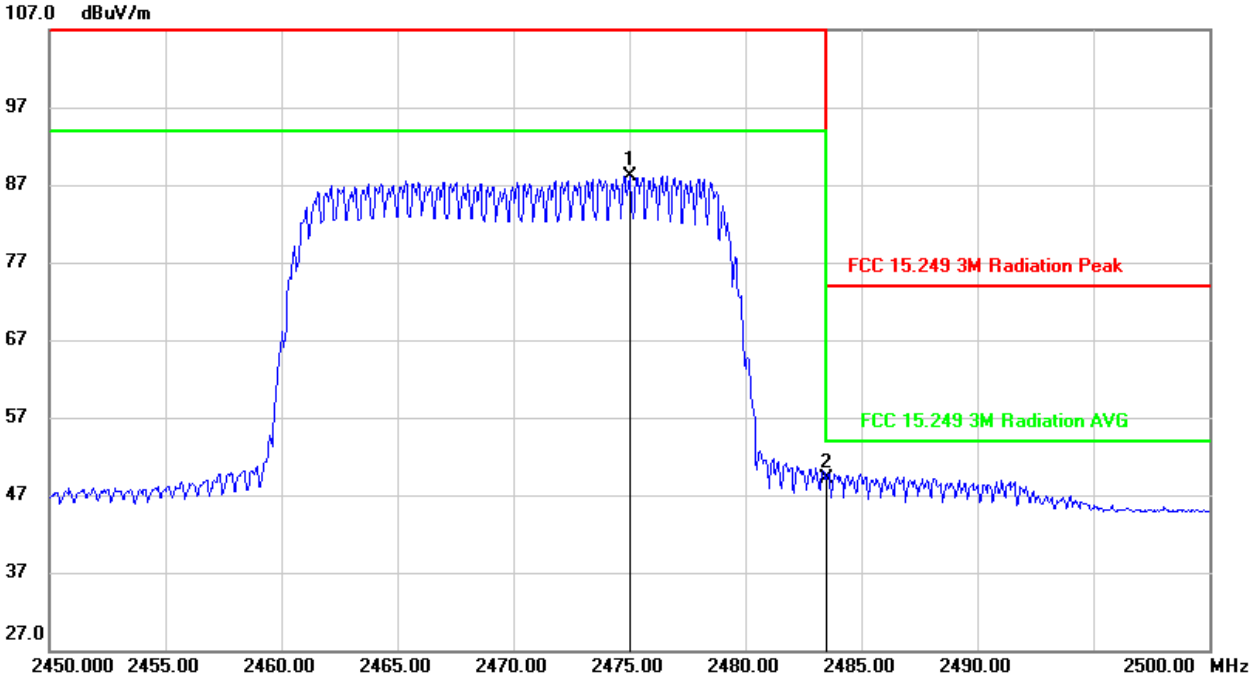
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2470.000	71.83	32.90	104.73	114.00	-9.27	peak
2	2483.500	28.12	32.88	61.00	74.00	-13.00	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



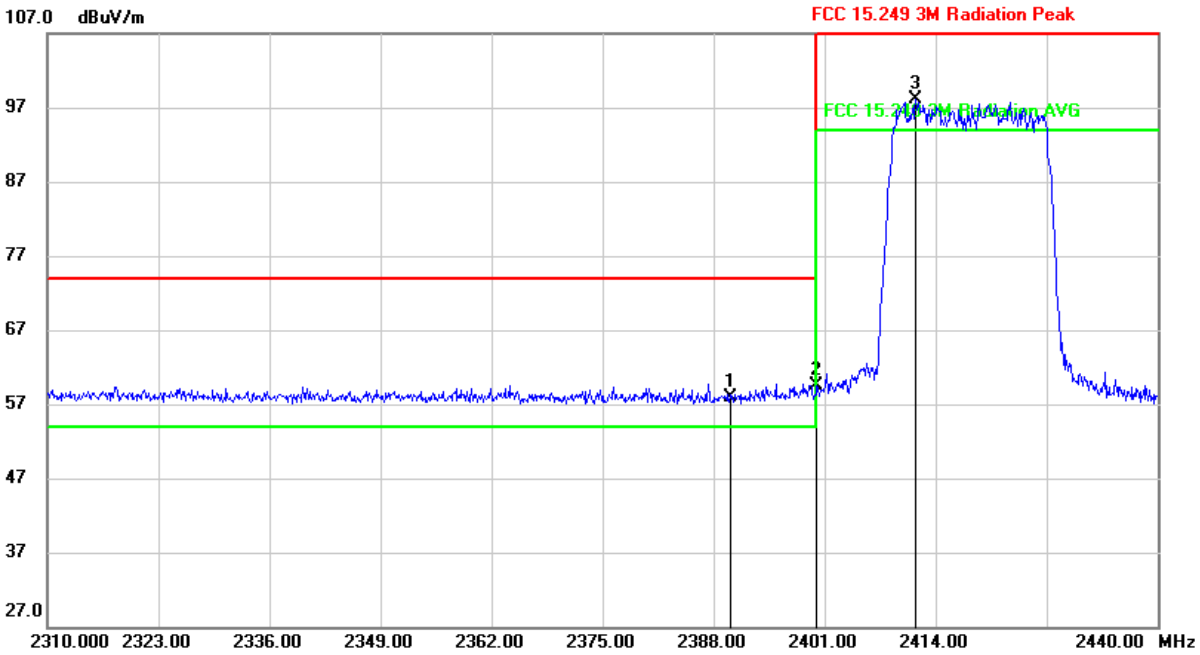
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2475.000	55.28	32.89	88.17	94.00	-5.83	AVG
2	2483.500	16.16	32.88	49.04	54.00	-4.96	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

OFDM 20MHz Bandwidth Mode

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)

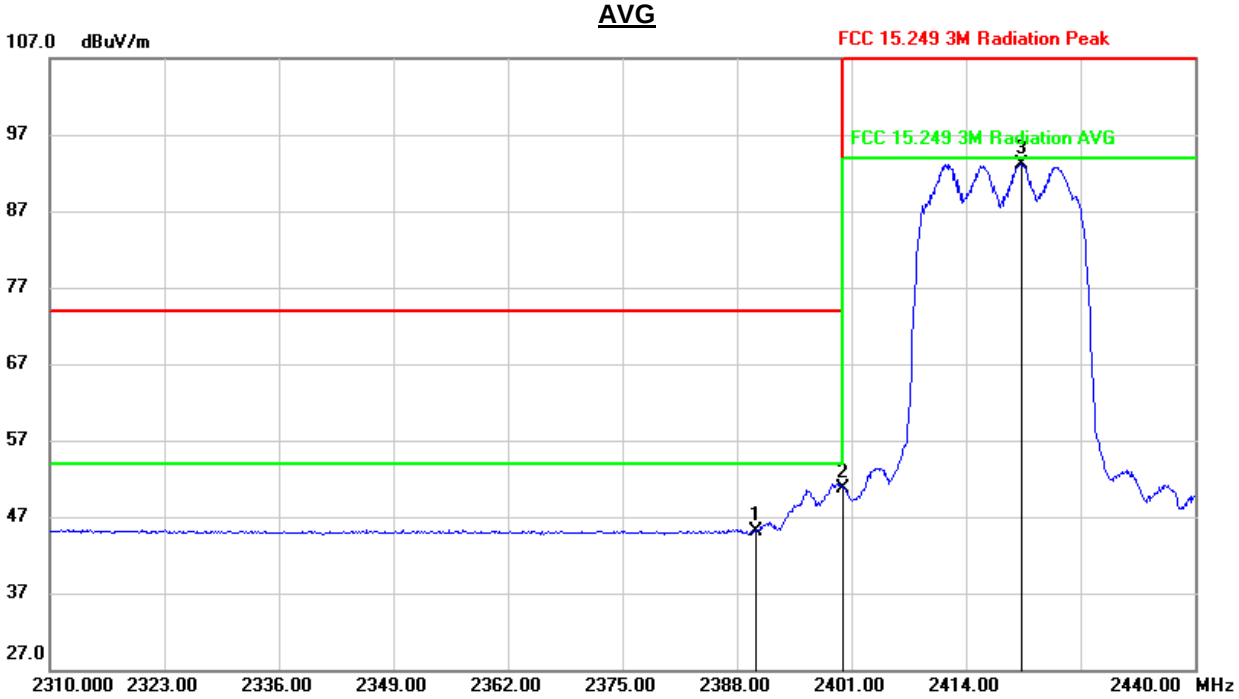
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	24.66	33.24	57.90	74.00	-16.10	peak
2	2400.000	26.38	33.17	59.55	74.00	-14.45	peak
3	2411.660	64.94	33.11	98.05	114.00	-15.95	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

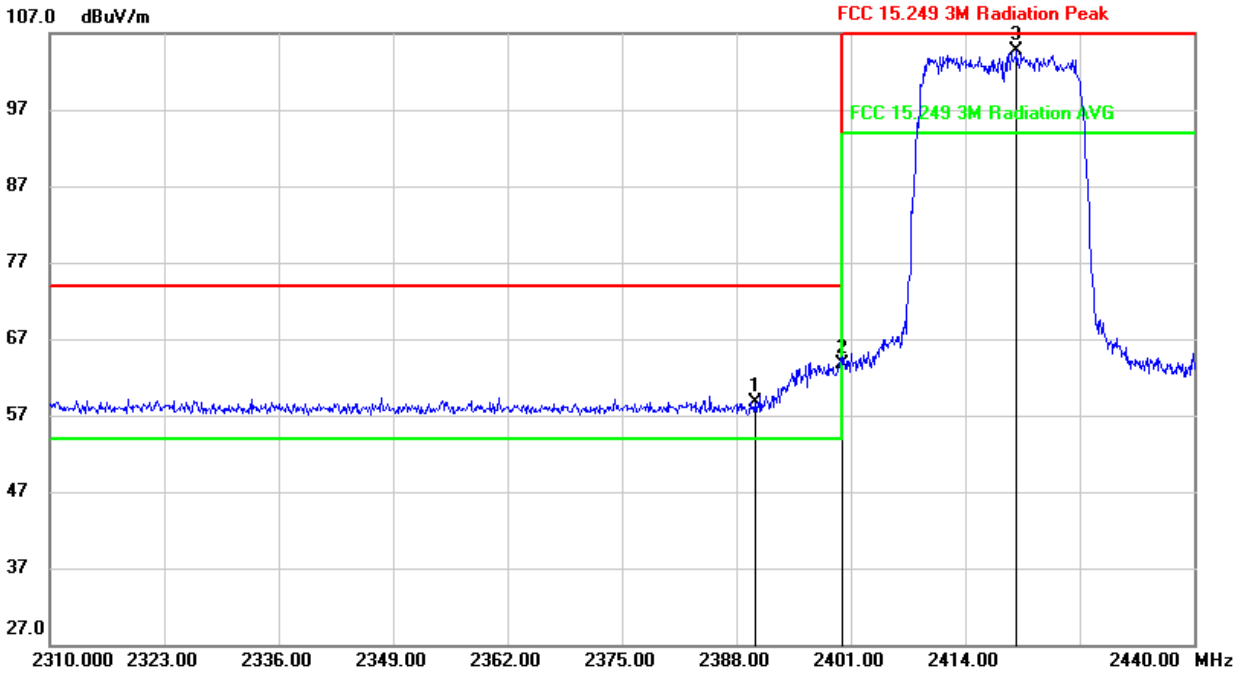


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.98	33.14	45.12	54.00	-8.88	AVG
2	2400.000	17.70	33.07	50.77	54.00	-3.23	AVG
3	2420.370	60.17	32.97	93.14	94.00	-0.86	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, VERTICAL)

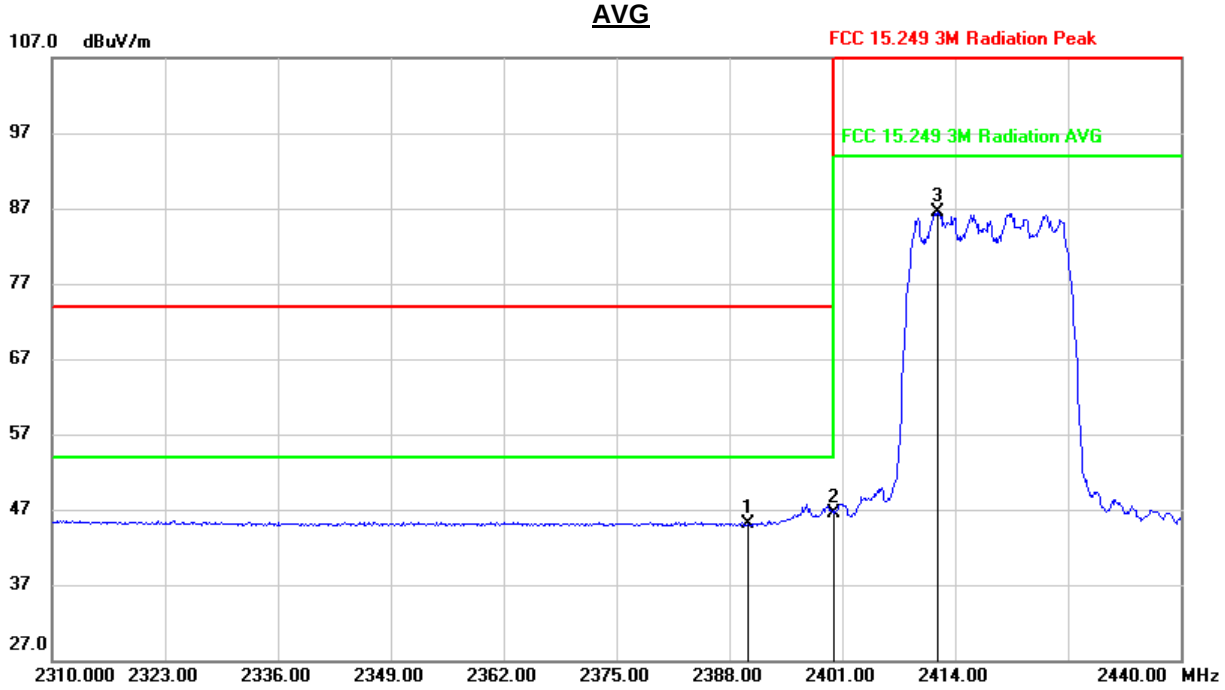
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	25.52	33.14	58.66	74.00	-15.34	peak
2	2400.000	30.56	33.07	63.63	74.00	-10.37	peak
3	2419.850	71.82	32.97	104.79	114.00	-9.21	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

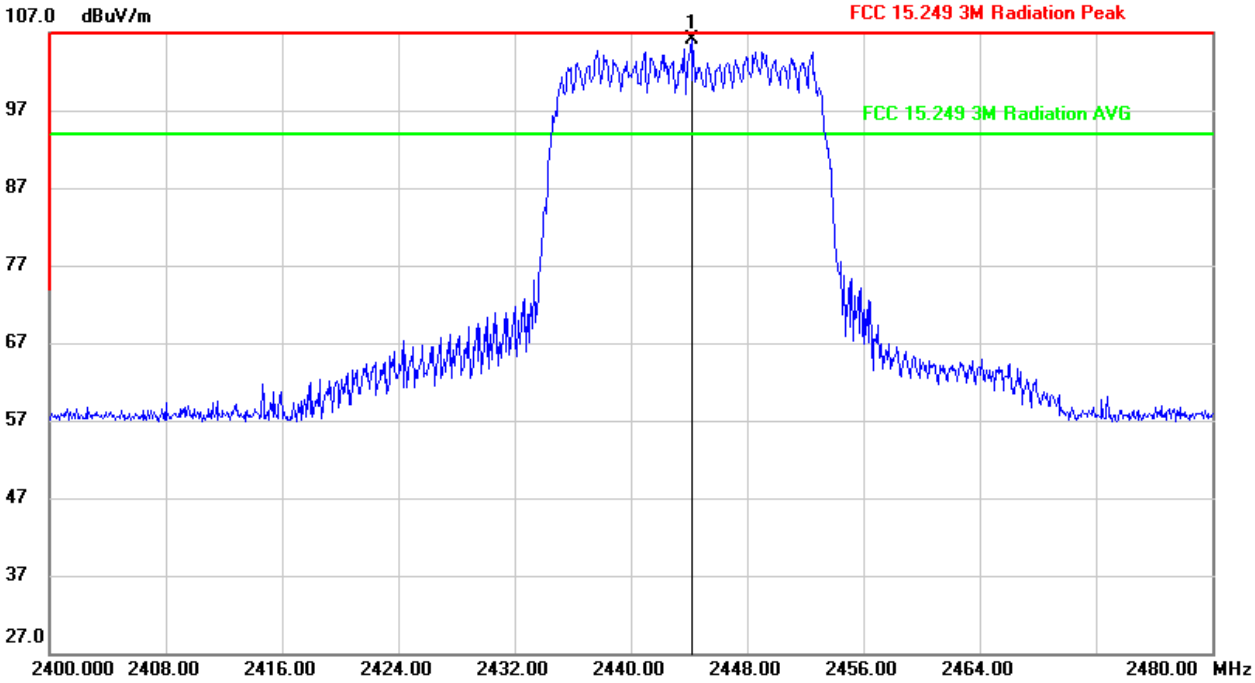


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	11.80	33.24	45.04	54.00	-8.96	AVG
2	2400.000	13.32	33.17	46.49	54.00	-7.51	AVG
3	2411.920	53.43	33.11	86.54	94.00	-7.46	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, HORIZONTAL)

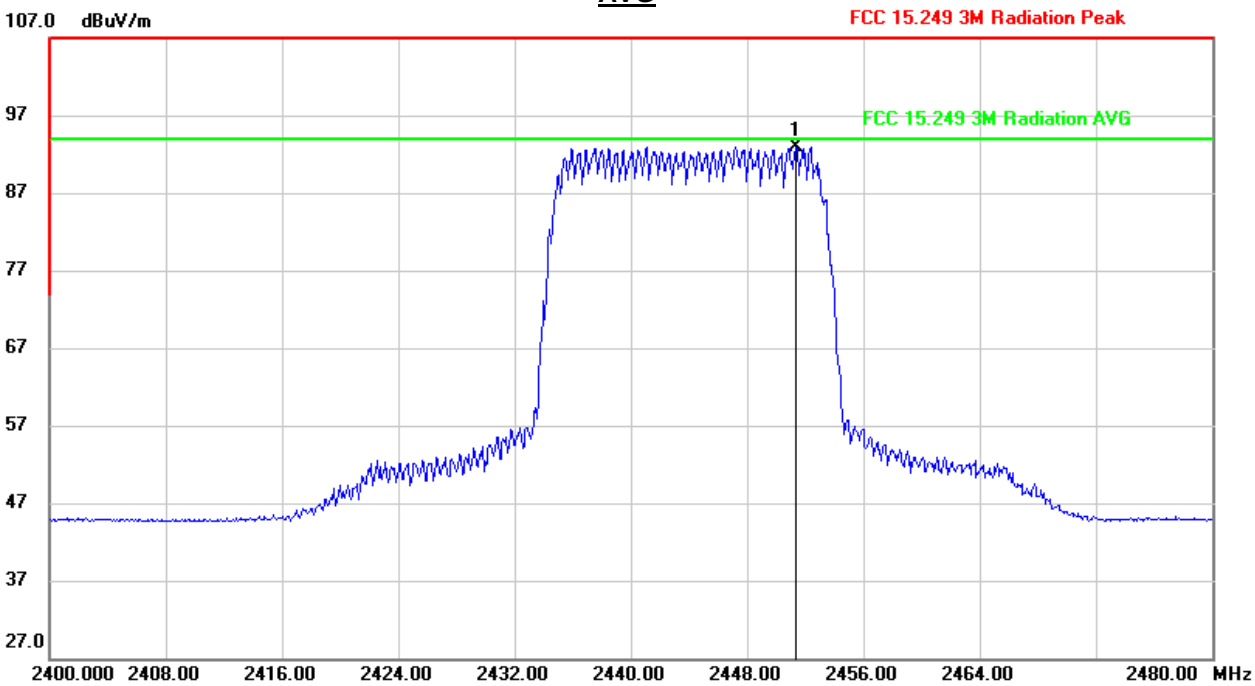
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2444.160	73.28	32.85	106.13	114.00	-7.87	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2451.360	60.08	32.82	92.90	94.00	-1.10	AVG

Note: 1. Measurement = Reading Level + Correct Factor.

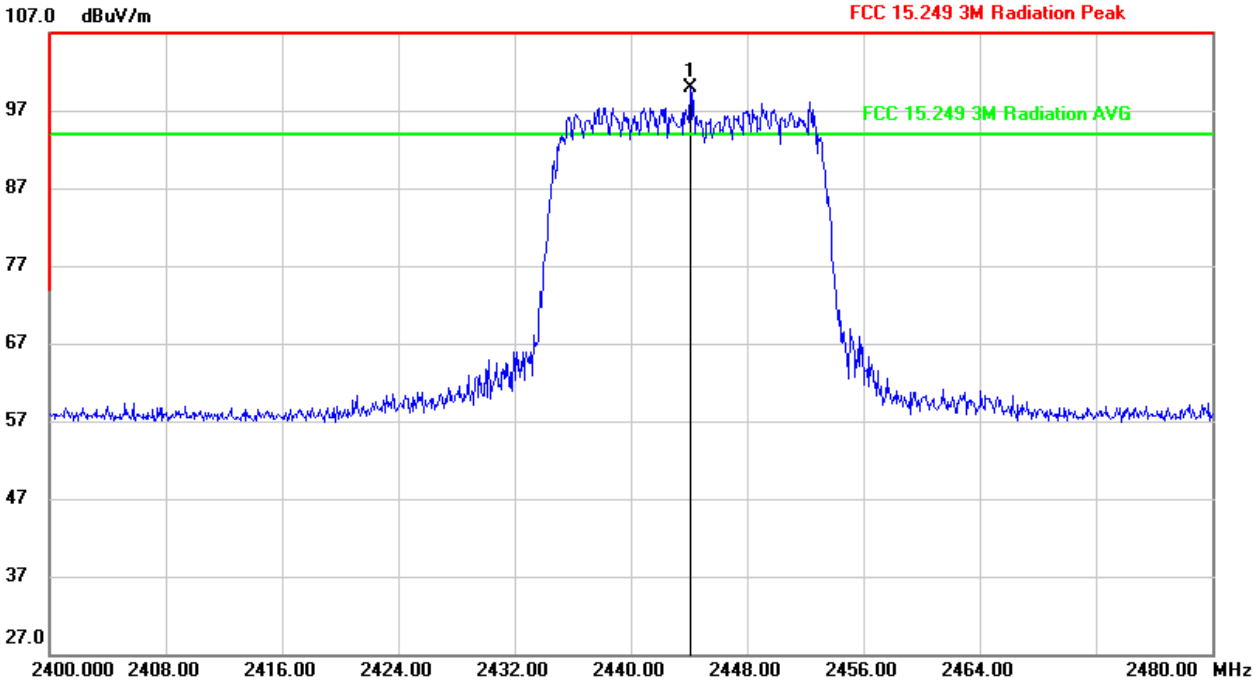
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, VERTICAL)

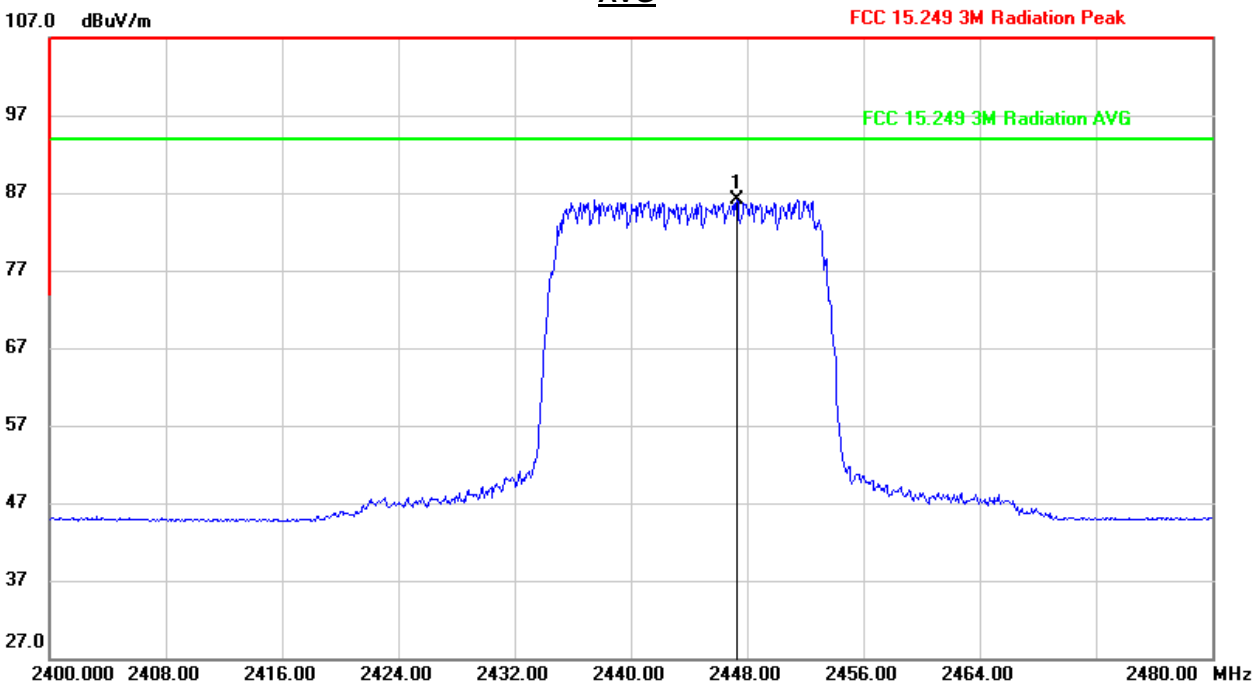
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2444.080	66.94	32.95	99.89	114.00	-14.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

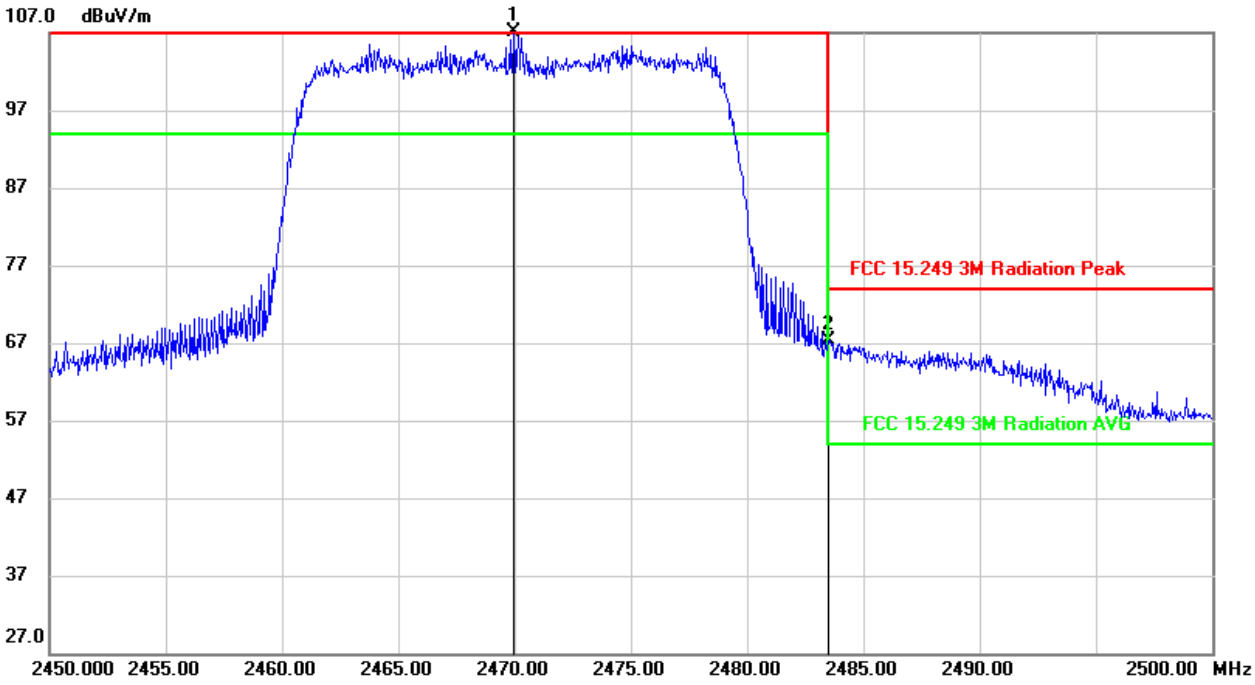


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2447.280	53.20	32.94	86.14	94.00	-7.86	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

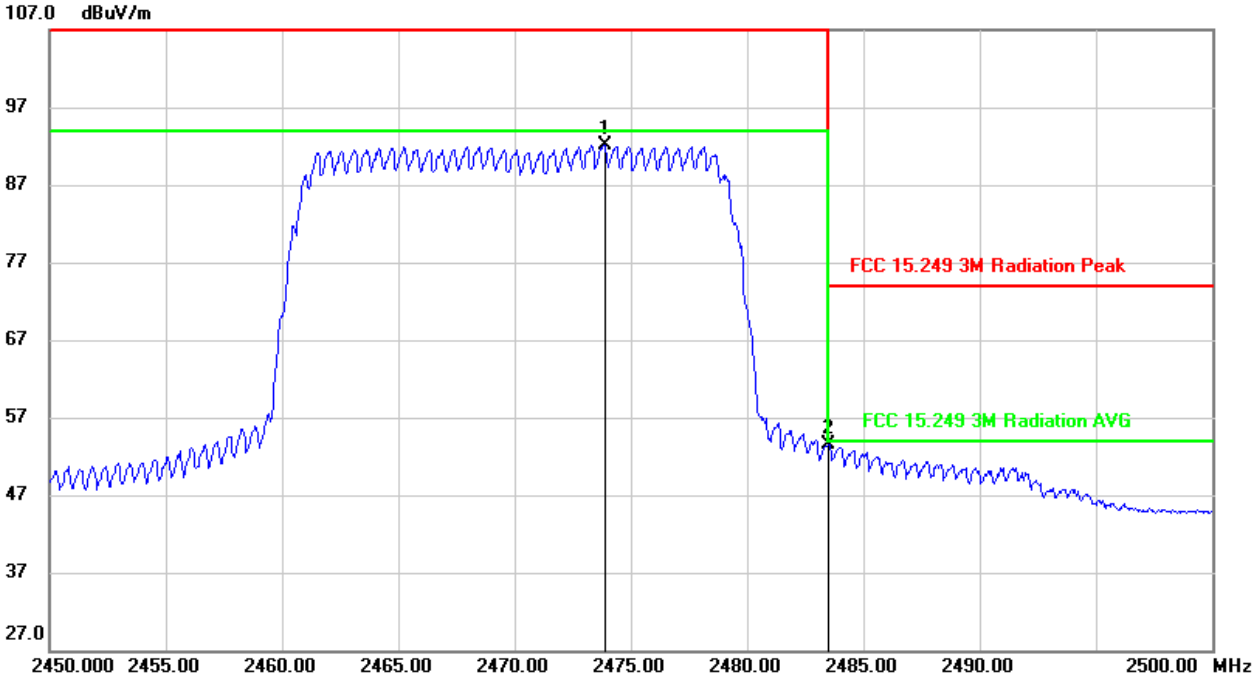
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2469.950	74.34	32.80	107.14	114.00	-6.86	peak
2	2483.500	34.46	32.78	67.24	74.00	-6.76	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

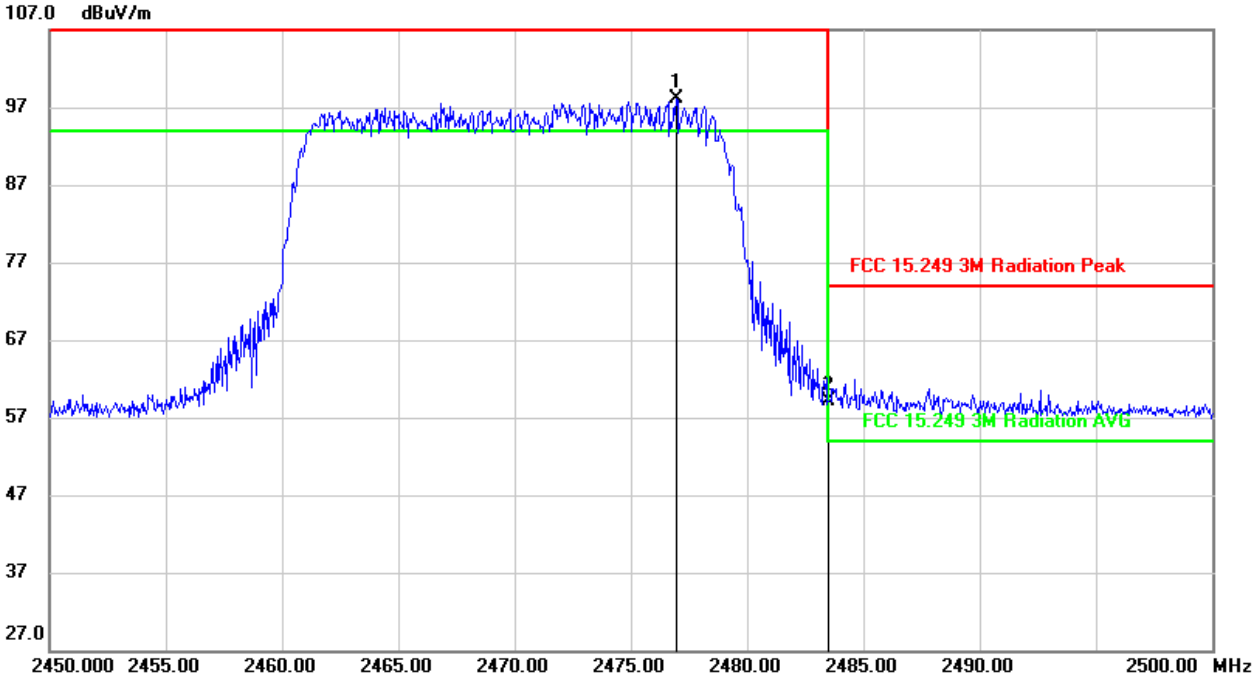


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2473.900	59.33	32.79	92.12	114.00	-21.88	AVG
2	2483.500	20.70	32.78	53.48	54.00	-0.52	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)

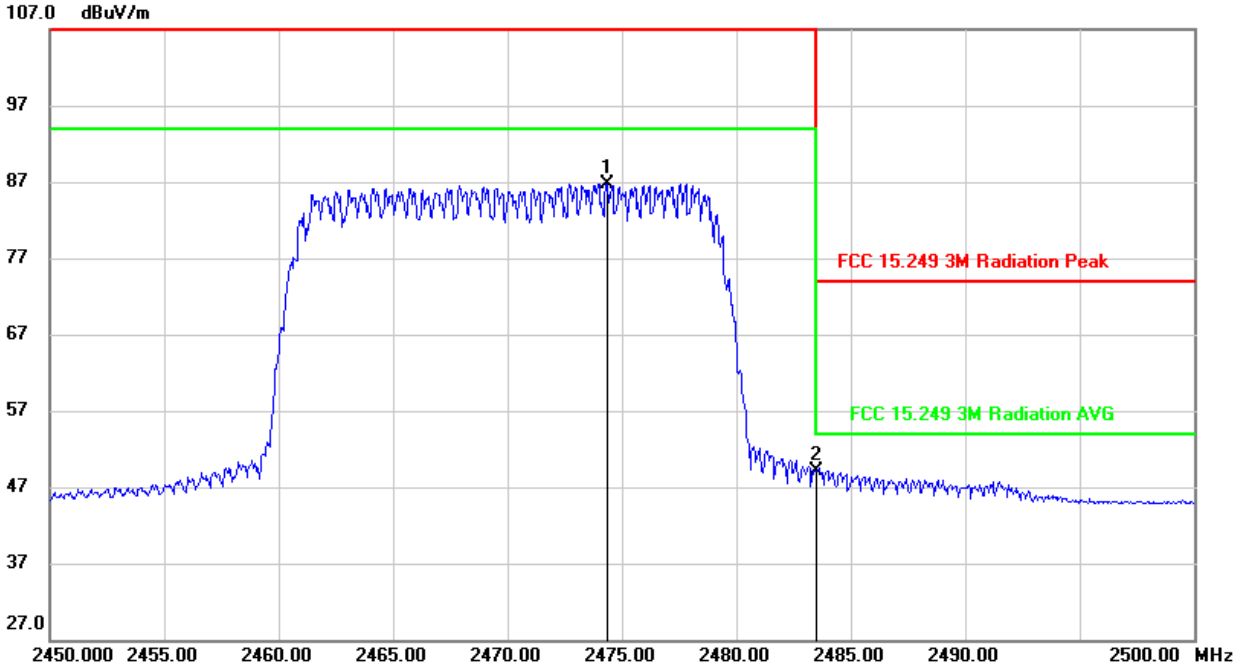
PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2476.950	65.22	32.90	98.12	114.00	-15.88	peak
2	2483.500	26.30	32.88	59.18	74.00	-14.82	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Only the worst case emission recorded in the report, if Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2474.350	53.86	32.89	86.75	114.00	-27.25	AVG
2	2483.500	16.18	32.88	49.06	74.00	-24.94	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton=1K, where: Ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. About the AVG value of fundamental frequency, we only mark the worse frequency point, the others point are deemed to comply with AV limit include the point mark in the Peak result.

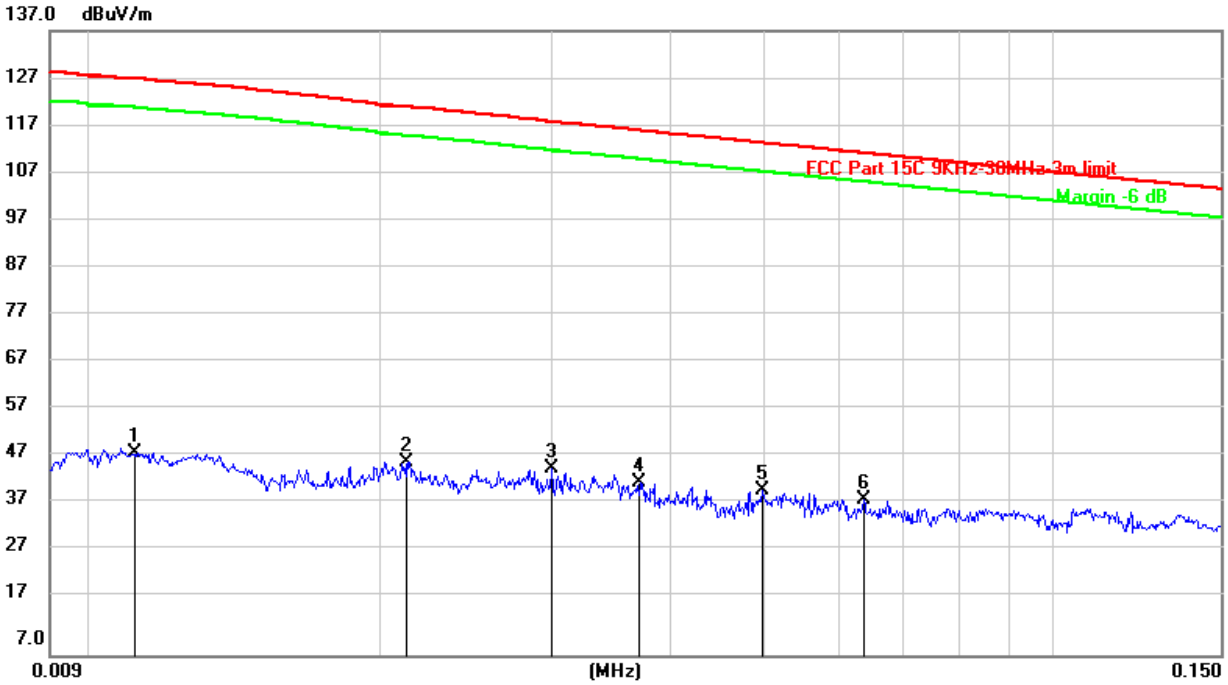
Note: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

8.3. SPURIOUS EMISSIONS BELOW 30M (WORST-CASE CONFIGURATION)

QPSK 20MHz Bandwidth Mode

SPURIOUS EMISSIONS BELOW 30MHz (HIGH CHANNEL, HORIZONTAL)

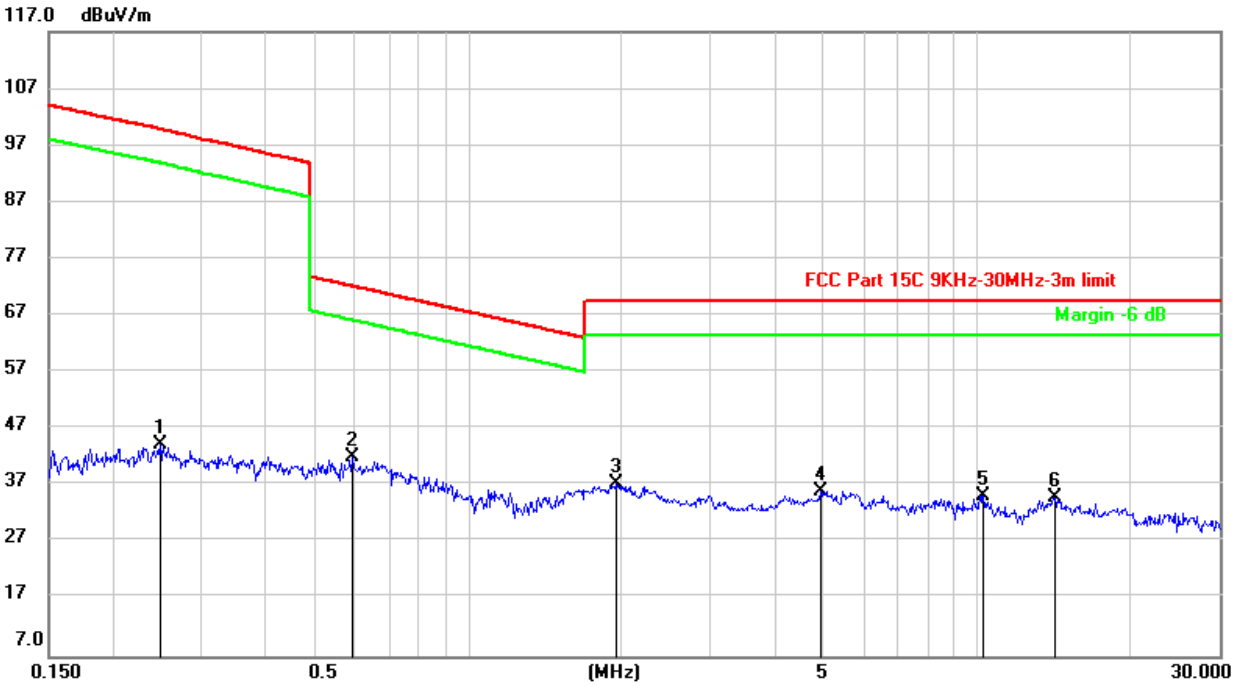
9KHz~150KHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0111	28.86	20.22	49.08	126.94	-77.86	peak
2	0.0212	26.93	20.31	47.24	121.16	-73.92	peak
3	0.0300	25.42	20.31	45.73	118.06	-72.33	peak
4	0.0371	22.57	20.31	42.88	116.28	-73.40	peak
5	0.0497	21.10	20.31	41.41	113.68	-72.27	peak
6	0.0636	19.14	20.31	39.45	111.56	-72.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Peak: Peak detector.

150KHz~30MHz

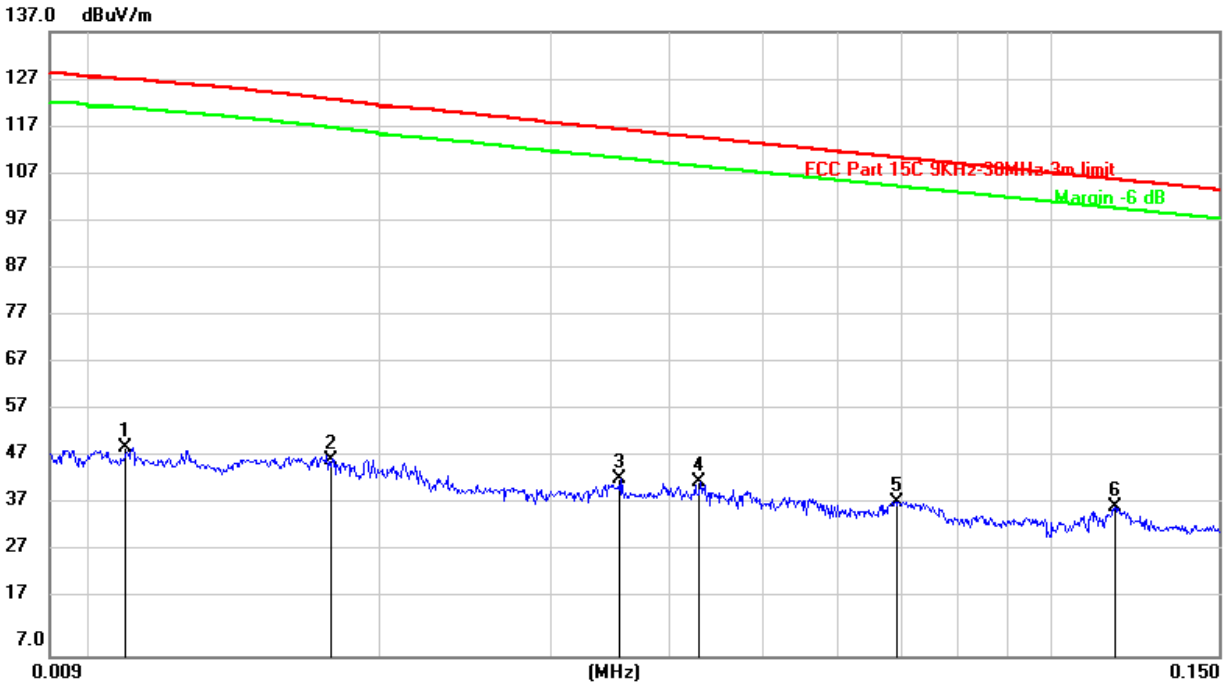


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.2479	23.91	20.32	44.23	99.89	-55.66	peak
2	0.5916	21.90	20.29	42.19	72.17	-29.98	peak
3	1.9489	16.56	20.71	37.27	69.54	-32.27	peak
4	4.9256	15.24	20.84	36.08	69.54	-33.46	peak
5	10.2873	14.15	21.05	35.20	69.54	-34.34	peak
6	14.2126	14.05	20.95	35.00	69.54	-34.54	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Peak: Peak detector.

SPURIOUS EMISSIONS BELOW 30MHz (HIGH CHANNEL, VERTICAL)

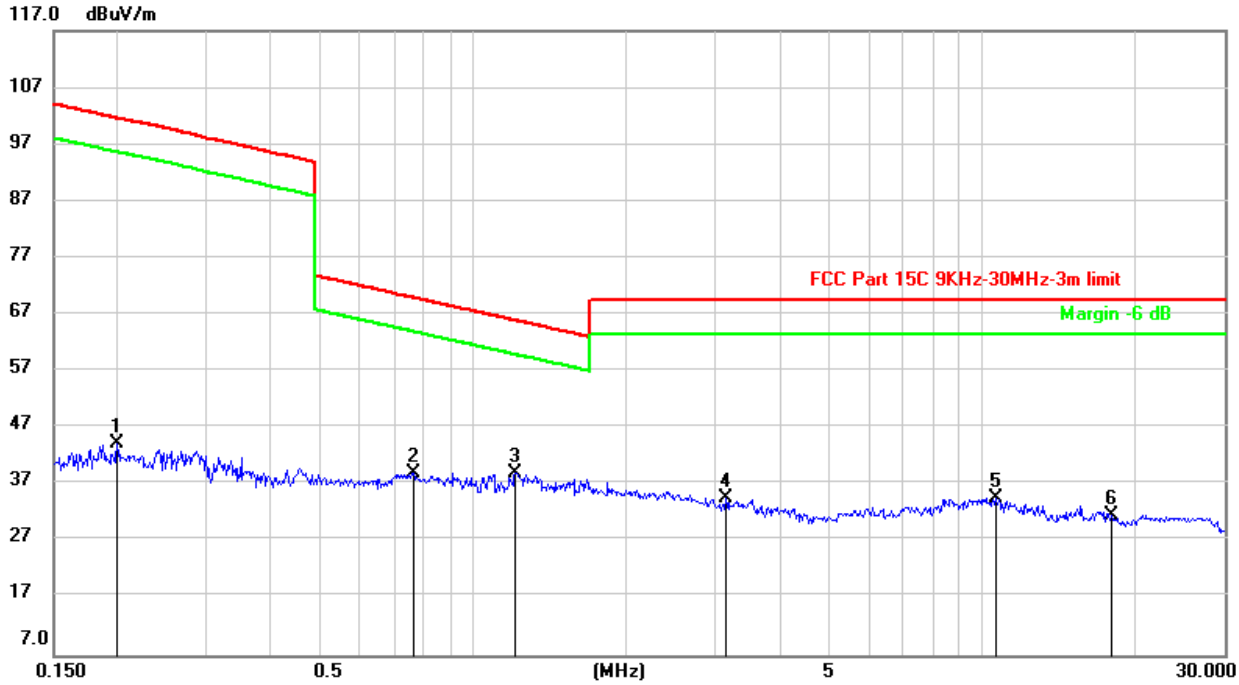
9KHz~150KHz



No.	Frequency (KHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0108	30.08	20.22	50.30	127.12	-76.82	peak
2	0.0177	27.61	20.29	47.90	122.96	-75.06	peak
3	0.0354	23.47	20.31	43.78	116.71	-72.93	peak
4	0.0429	23.03	20.31	43.34	115.00	-71.66	peak
5	0.0690	18.86	20.31	39.17	110.83	-71.66	peak
6	0.1168	17.74	20.29	38.03	106.26	-68.23	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Peak: Peak detector.

150KHz~30MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1995	23.85	20.37	44.22	101.60	-57.38	peak
2	0.7630	18.66	20.36	39.02	69.97	-30.95	peak
3	1.2096	18.53	20.44	38.97	65.95	-26.98	peak
4	3.1396	13.82	20.91	34.73	69.54	-34.81	peak
5	10.6196	13.50	21.05	34.55	69.54	-34.99	peak
6	17.9435	10.72	20.99	31.71	69.54	-37.83	peak

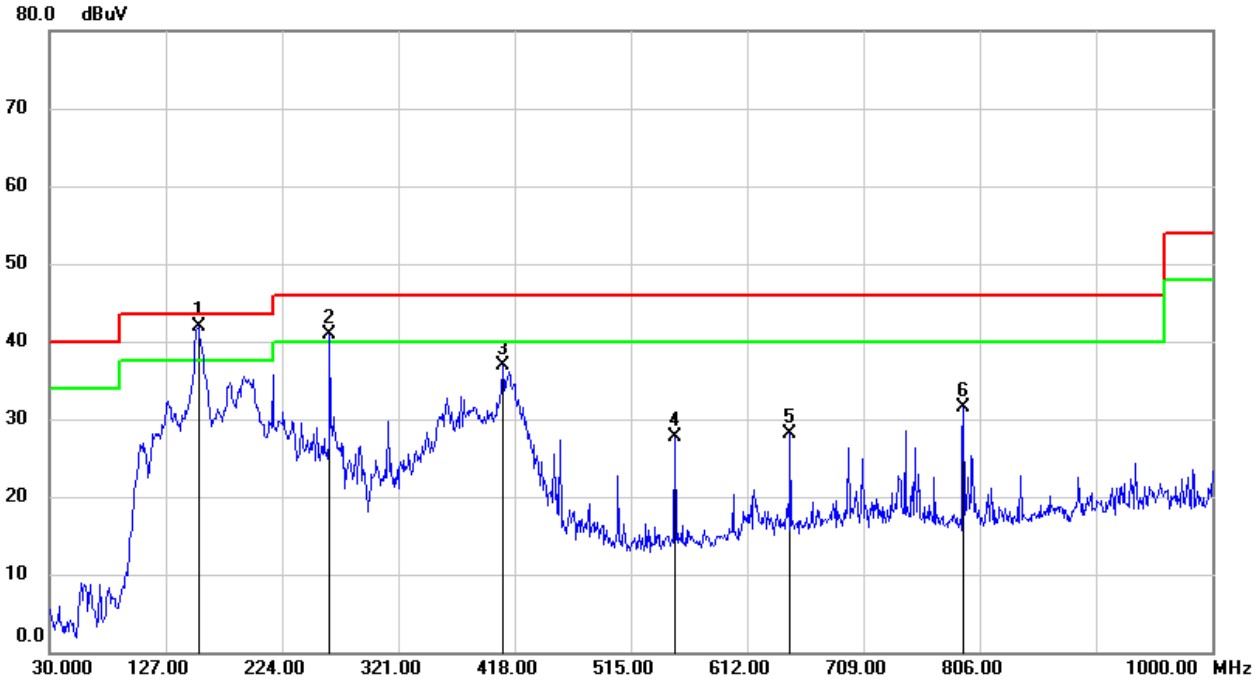
Note: 1. Measurement = Reading Level + Correct Factor.
2. Peak: Peak detector.

Note 2: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

8.4. SPURIOUS EMISSIONS BELOW 1 GHz (WORST-CASE CONFIGURATION)

QPSK 20MHz Bandwidth Mode

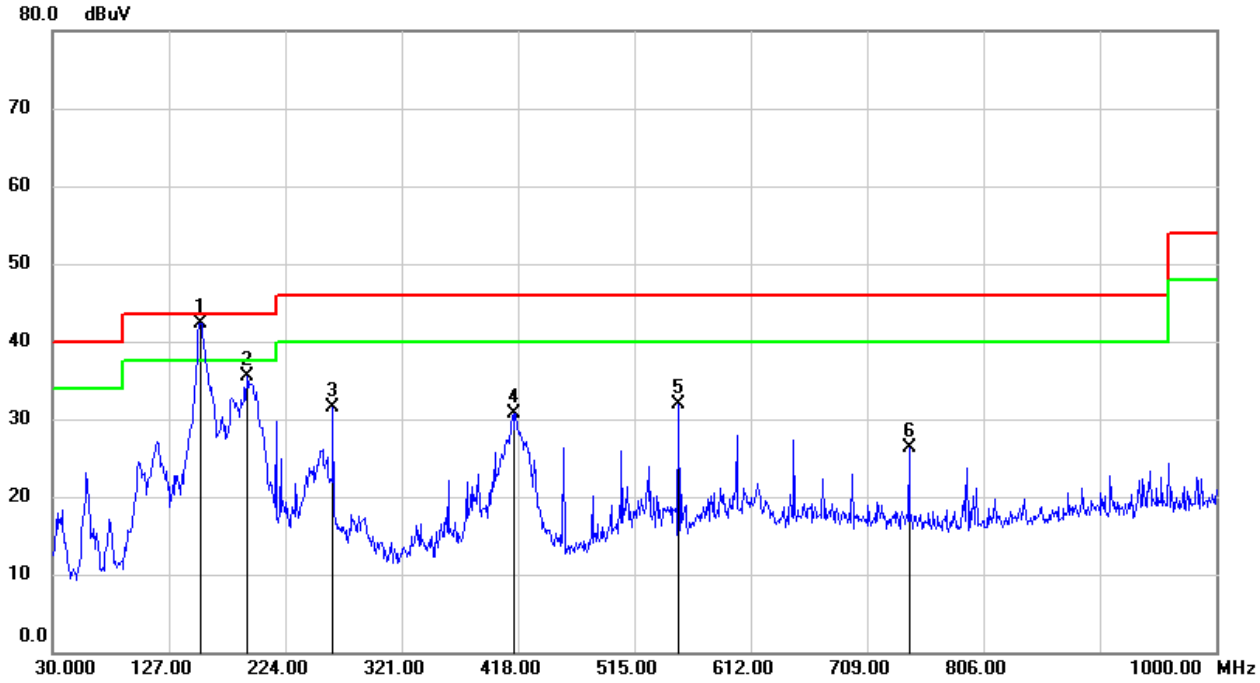
SPURIOUS EMISSIONS BELOW 1GHZ (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	154.1600	58.99	-17.01	41.98	43.50	-1.52	QP
2	263.7700	57.90	-16.92	40.98	46.00	-5.02	QP
3	408.3000	49.21	-12.23	36.98	46.00	-9.02	QP
4	551.8600	37.77	-10.08	27.69	46.00	-18.31	QP
5	647.8900	36.66	-8.59	28.07	46.00	-17.93	QP
6	792.4200	38.61	-7.14	31.47	46.00	-14.53	QP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

SPURIOUS EMISSIONS BELOW 1GHz (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	153.1900	59.47	-17.09	42.38	43.50	-1.12	QP
2	191.9900	50.44	-14.98	35.46	43.50	-8.04	QP
3	263.7700	48.46	-16.92	31.54	46.00	-14.46	QP
4	414.1200	42.93	-12.15	30.78	46.00	-15.22	QP
5	551.8600	41.96	-10.08	31.88	46.00	-14.12	QP
6	743.9200	33.92	-7.58	26.34	46.00	-19.66	QP

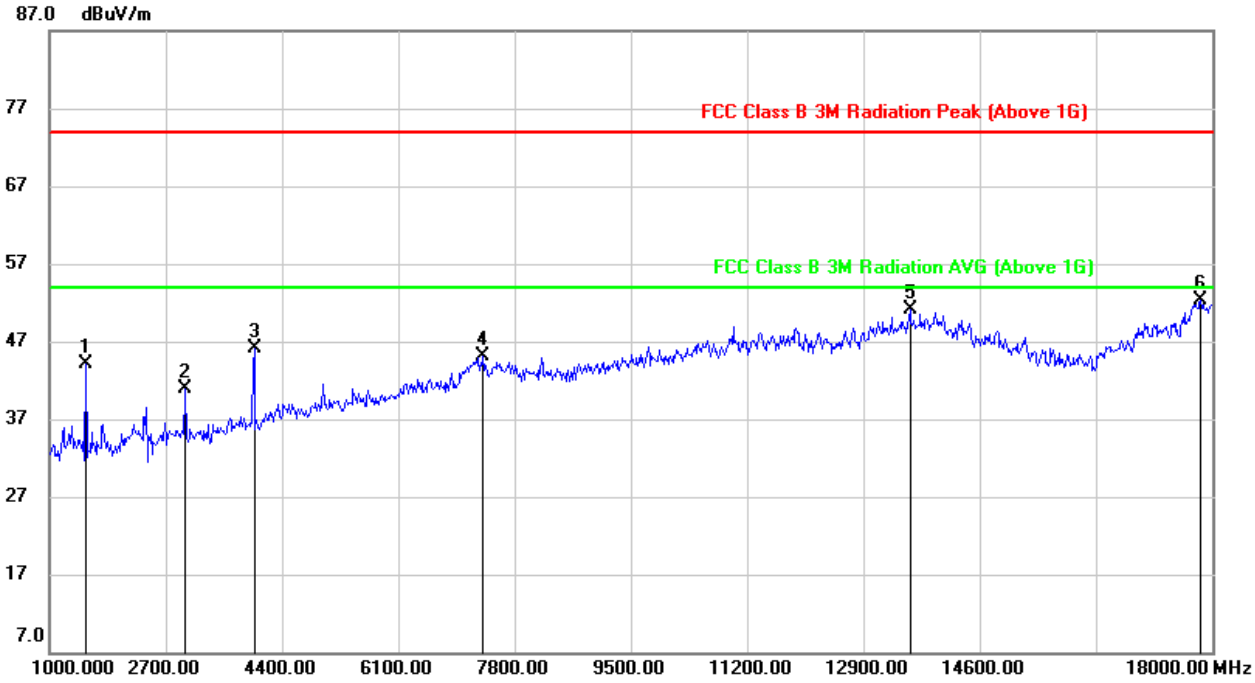
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Note 2: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

8.5. SPURIOUS EMISSIONS 1~18GHz

QPSK 10MHz Bandwidth Mode

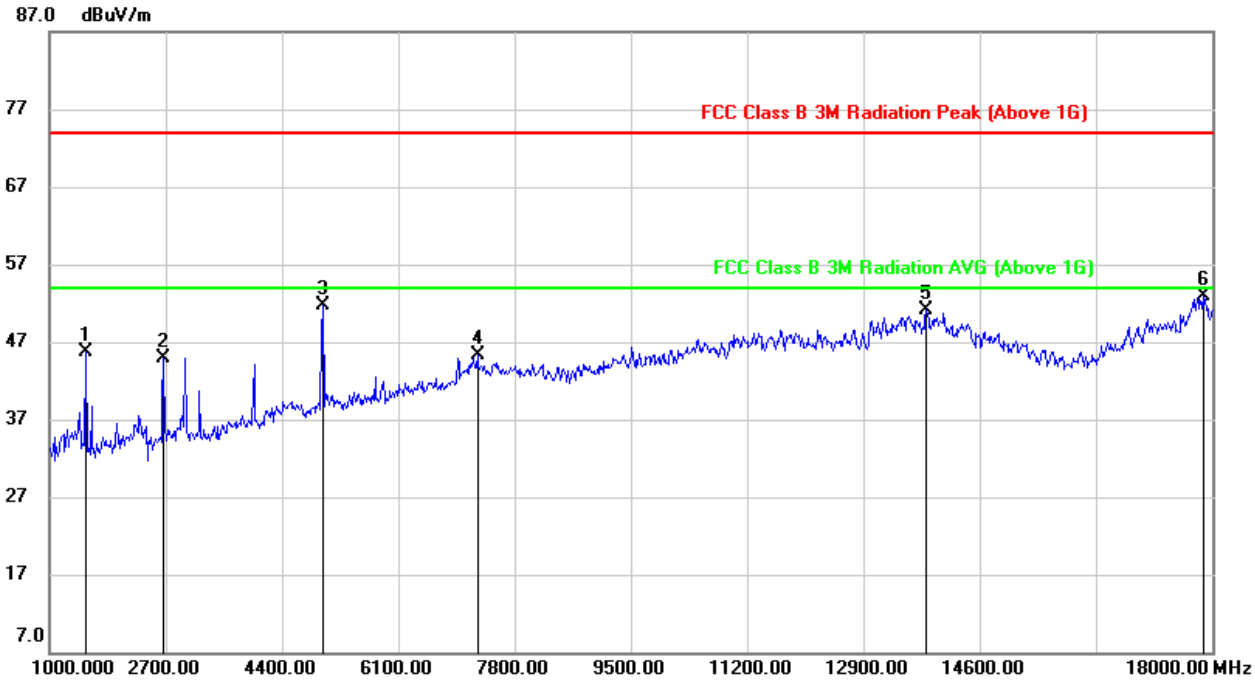
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.92	-12.75	44.17	74.00	-29.83	peak
2	2989.000	48.28	-7.29	40.99	74.00	-33.01	peak
3	3992.000	50.66	-4.54	46.12	74.00	-27.88	peak
4	7341.000	39.09	6.01	45.10	74.00	-28.90	peak
5	13580.000	32.64	18.44	51.08	74.00	-22.92	peak
6	17830.000	28.03	24.25	52.28	74.00	-21.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

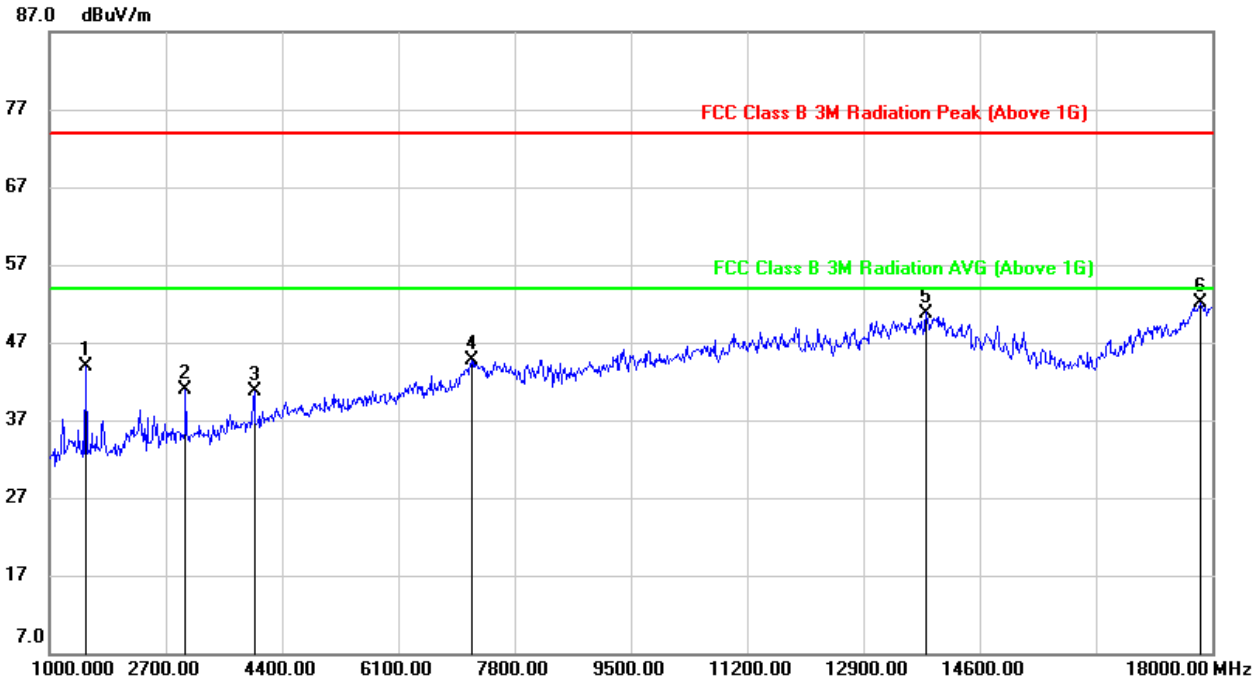
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.47	-12.74	45.73	74.00	-28.27	peak
2	2666.000	53.55	-8.55	45.00	74.00	-29.00	peak
3	4995.000	52.47	-0.78	51.69	74.00	-22.31	peak
4	7256.000	38.87	6.36	45.23	74.00	-28.77	peak
5	13818.000	32.11	18.96	51.07	74.00	-22.93	peak
6	17864.000	28.90	23.98	52.88	74.00	-21.12	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

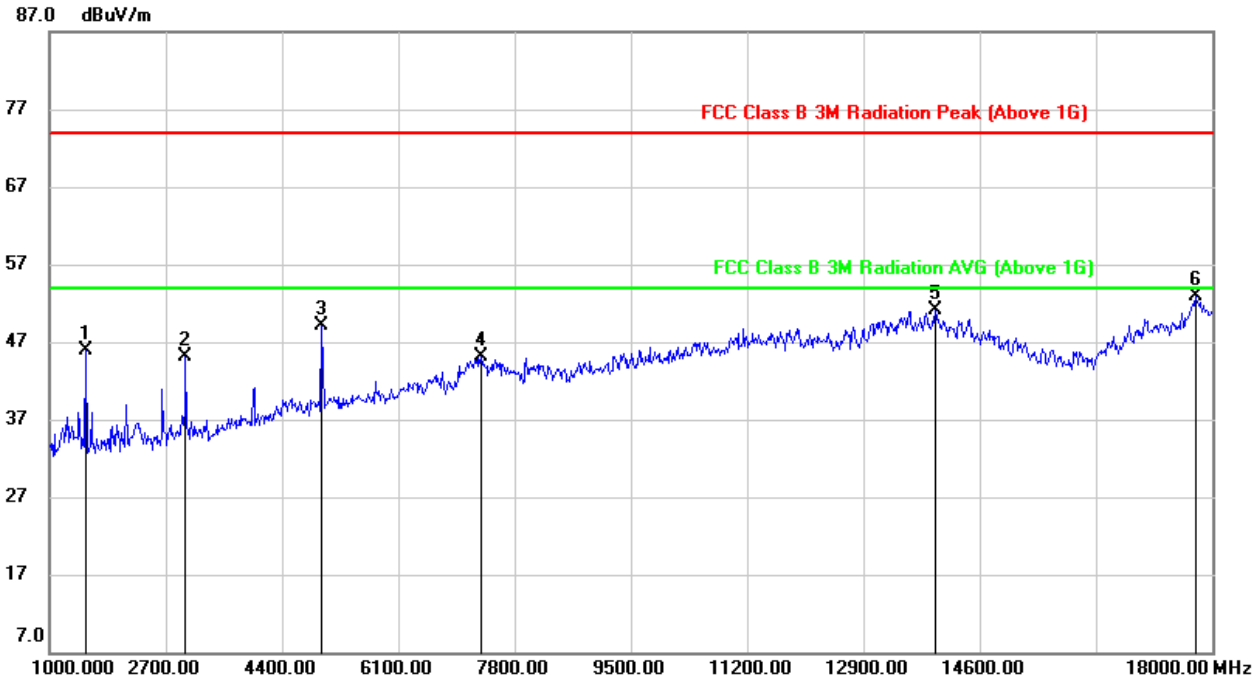
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.62	-12.75	43.87	74.00	-30.13	peak
2	2989.000	48.12	-7.29	40.83	74.00	-33.17	peak
3	3992.000	45.32	-4.54	40.78	74.00	-33.22	peak
4	7171.000	38.34	6.36	44.70	74.00	-29.30	peak
5	13818.000	32.23	18.57	50.80	74.00	-23.20	peak
6	17830.000	27.82	24.25	52.07	74.00	-21.93	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

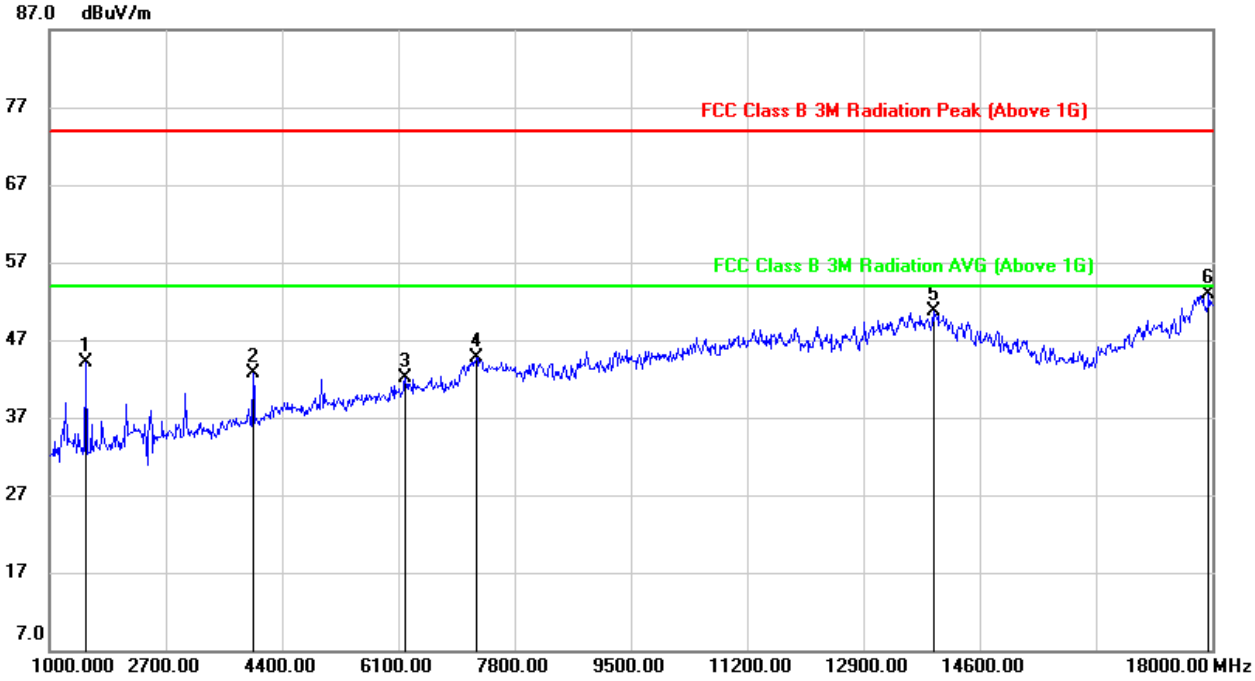
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.63	-12.74	45.89	74.00	-28.11	peak
2	2989.000	52.44	-7.29	45.15	74.00	-28.85	peak
3	4978.000	49.87	-0.77	49.10	74.00	-24.90	peak
4	7307.000	38.64	6.40	45.04	74.00	-28.96	peak
5	13954.000	32.55	18.65	51.20	74.00	-22.80	peak
6	17762.000	28.75	24.14	52.89	74.00	-21.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

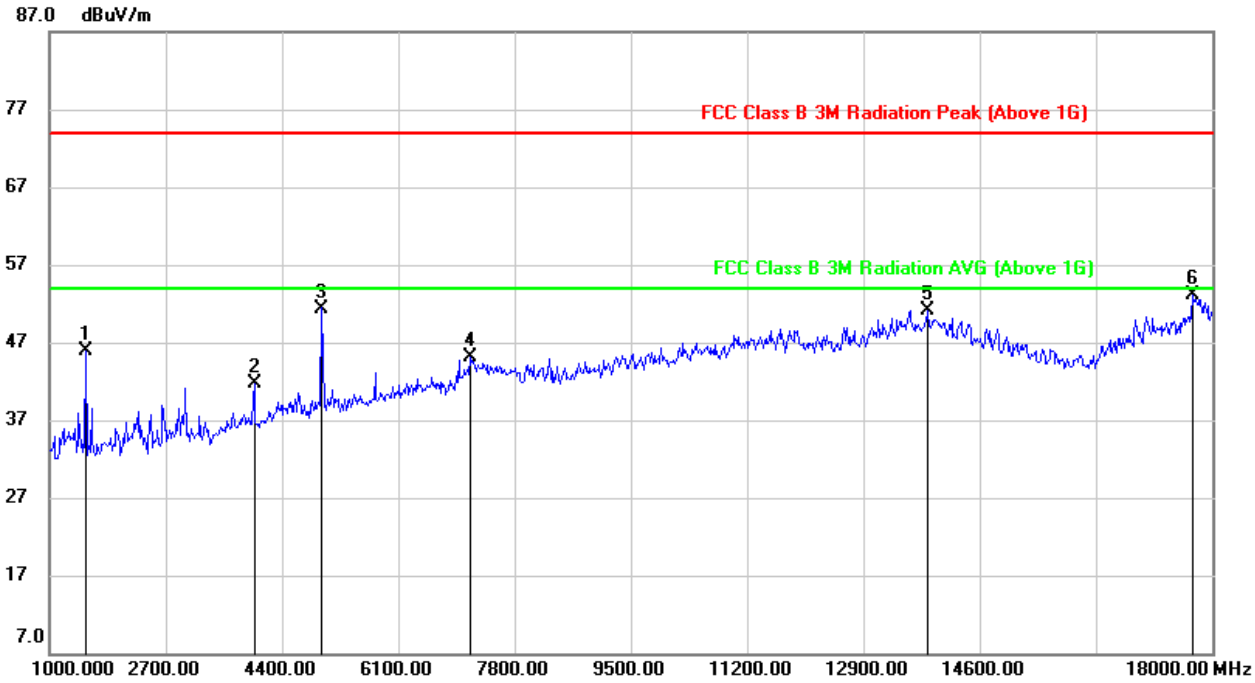
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.85	-12.75	44.10	74.00	-29.90	peak
2	3975.000	47.34	-4.54	42.80	74.00	-31.20	peak
3	6202.000	39.30	2.85	42.15	74.00	-31.85	peak
4	7239.000	38.20	6.42	44.62	74.00	-29.38	peak
5	13920.000	32.06	18.55	50.61	74.00	-23.39	peak
6	17949.000	28.12	24.78	52.90	74.00	-21.10	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, VERTICAL)

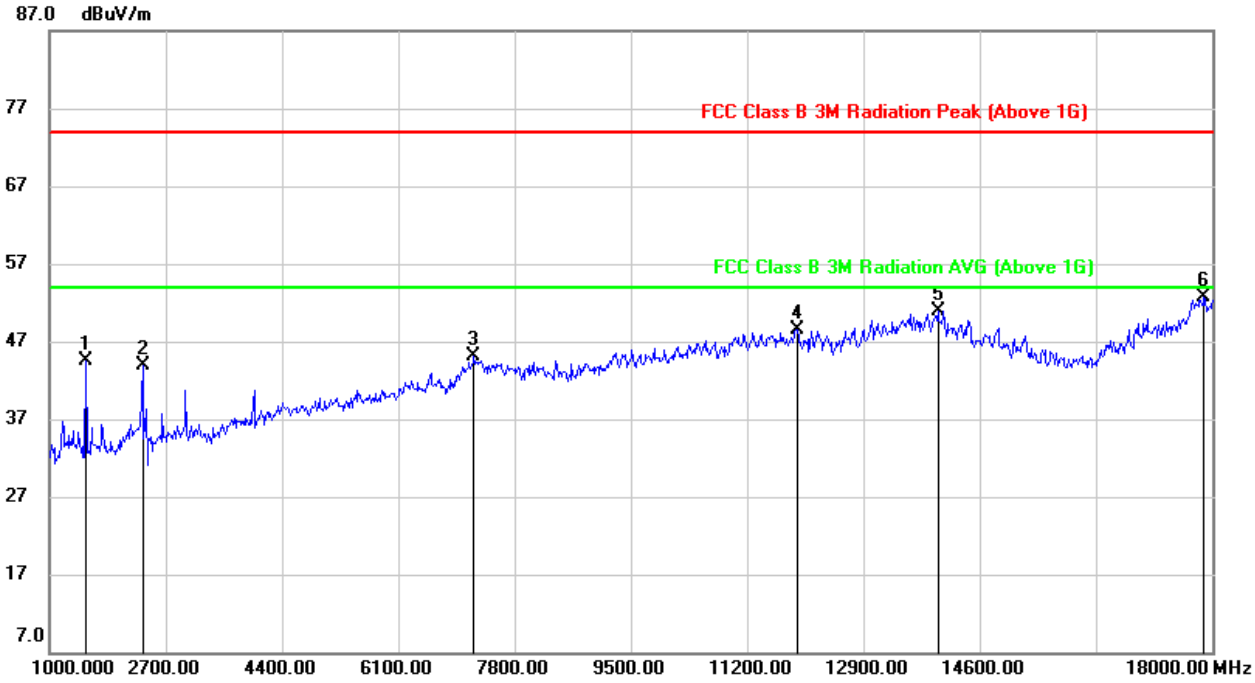


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.67	-12.74	45.93	74.00	-28.07	peak
2	3992.000	46.28	-4.54	41.74	74.00	-32.26	peak
3	4978.000	52.17	-0.77	51.40	74.00	-22.60	peak
4	7154.000	38.58	6.47	45.05	74.00	-28.95	peak
5	13835.000	32.20	18.86	51.06	74.00	-22.94	peak
6	17711.000	29.61	23.47	53.08	74.00	-20.92	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

OFDM 10MHz Bandwidth Mode

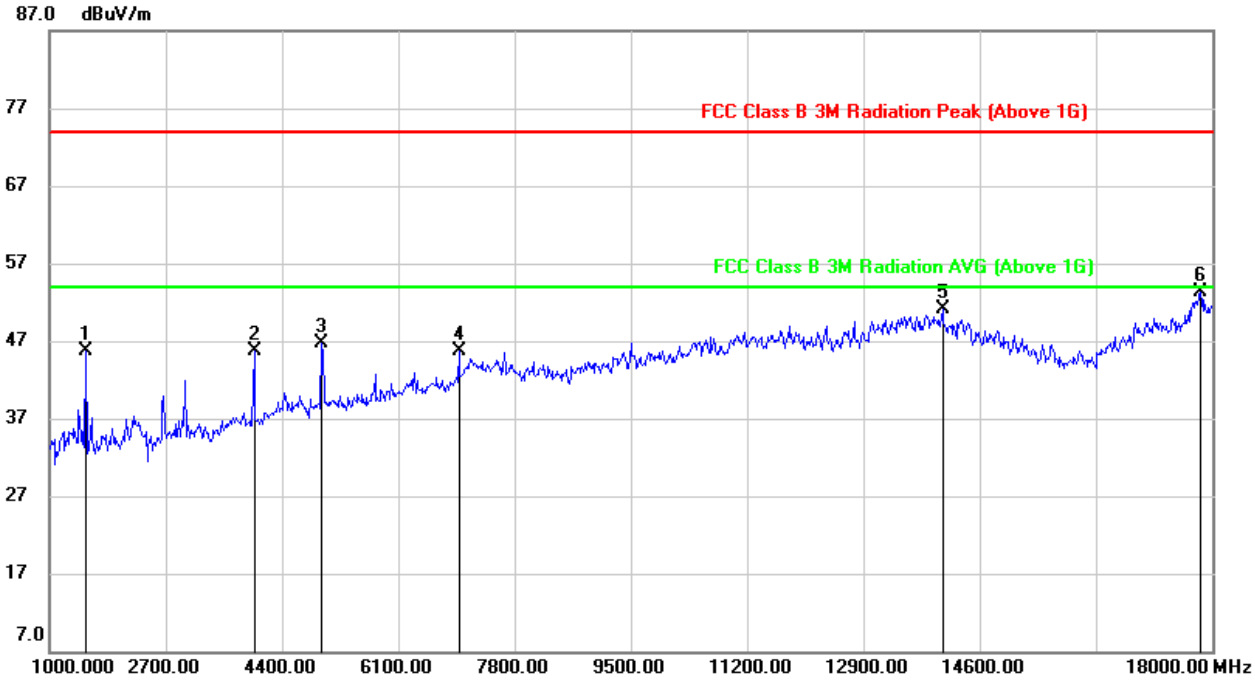
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1527.000	57.21	-12.75	44.46	74.00	-29.54	peak
2	2360.000	52.57	-8.76	43.81	74.00	-30.19	peak
3	7205.000	38.78	6.35	45.13	74.00	-28.87	peak
4	11931.000	33.80	14.76	48.56	74.00	-25.44	peak
5	13988.000	32.46	18.49	50.95	74.00	-23.05	peak
6	17881.000	28.63	24.09	52.72	74.00	-21.28	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

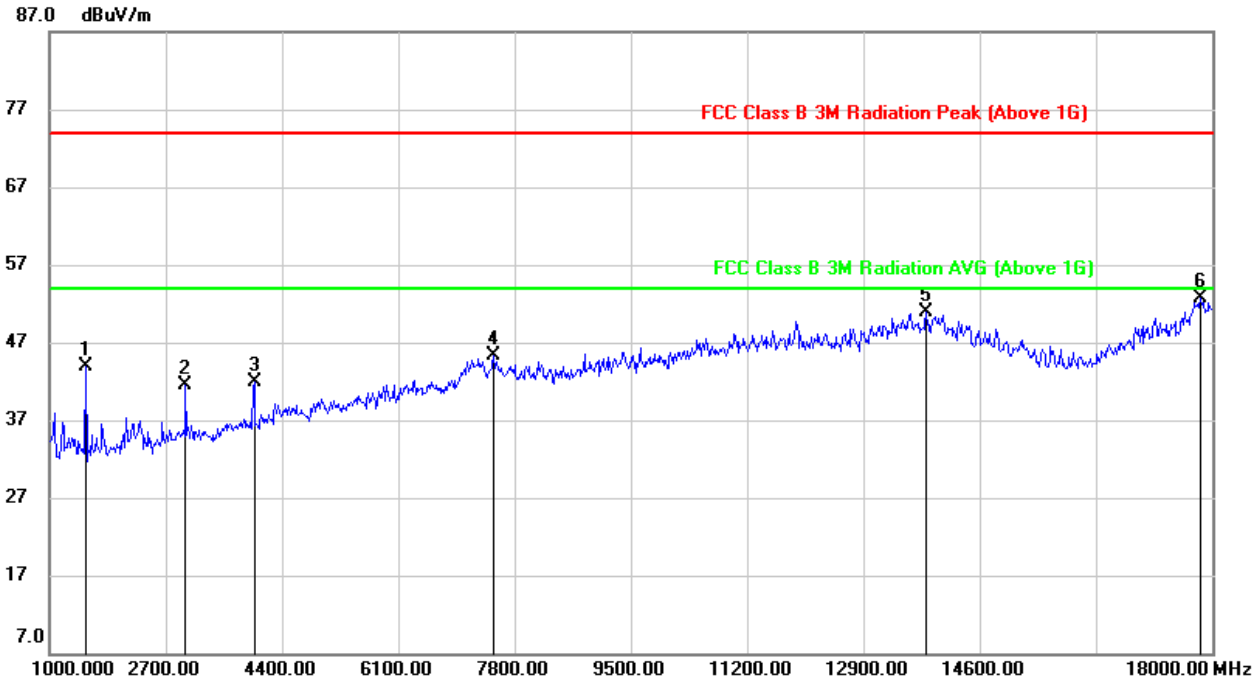
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1527.000	58.46	-12.74	45.72	74.00	-28.28	peak
2	3992.000	50.20	-4.54	45.66	74.00	-28.34	peak
3	4978.000	47.39	-0.77	46.62	74.00	-27.38	peak
4	6984.000	40.41	5.33	45.74	74.00	-28.26	peak
5	14056.000	32.79	18.39	51.18	74.00	-22.82	peak
6	17830.000	29.22	24.17	53.39	74.00	-20.61	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

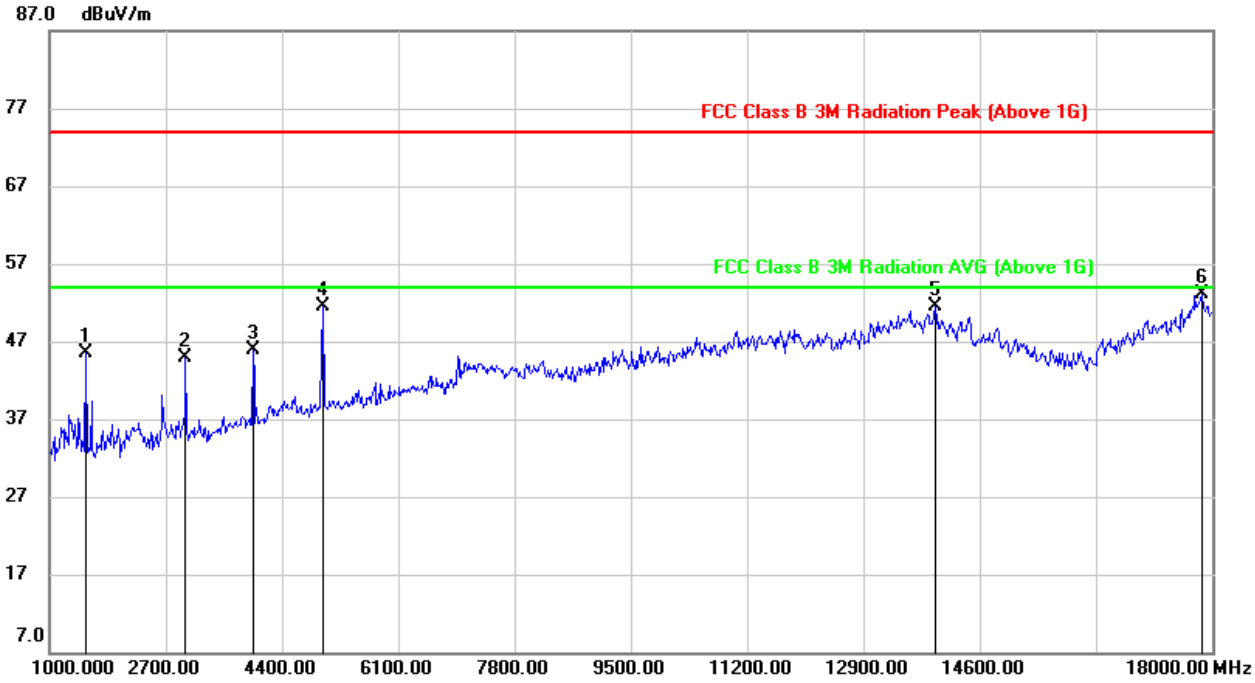
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.75	-12.75	44.00	74.00	-30.00	peak
2	2989.000	48.76	-7.29	41.47	74.00	-32.53	peak
3	3992.000	46.48	-4.54	41.94	74.00	-32.06	peak
4	7494.000	38.62	6.70	45.32	74.00	-28.68	peak
5	13818.000	32.43	18.57	51.00	74.00	-23.00	peak
6	17830.000	28.54	24.25	52.79	74.00	-21.21	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

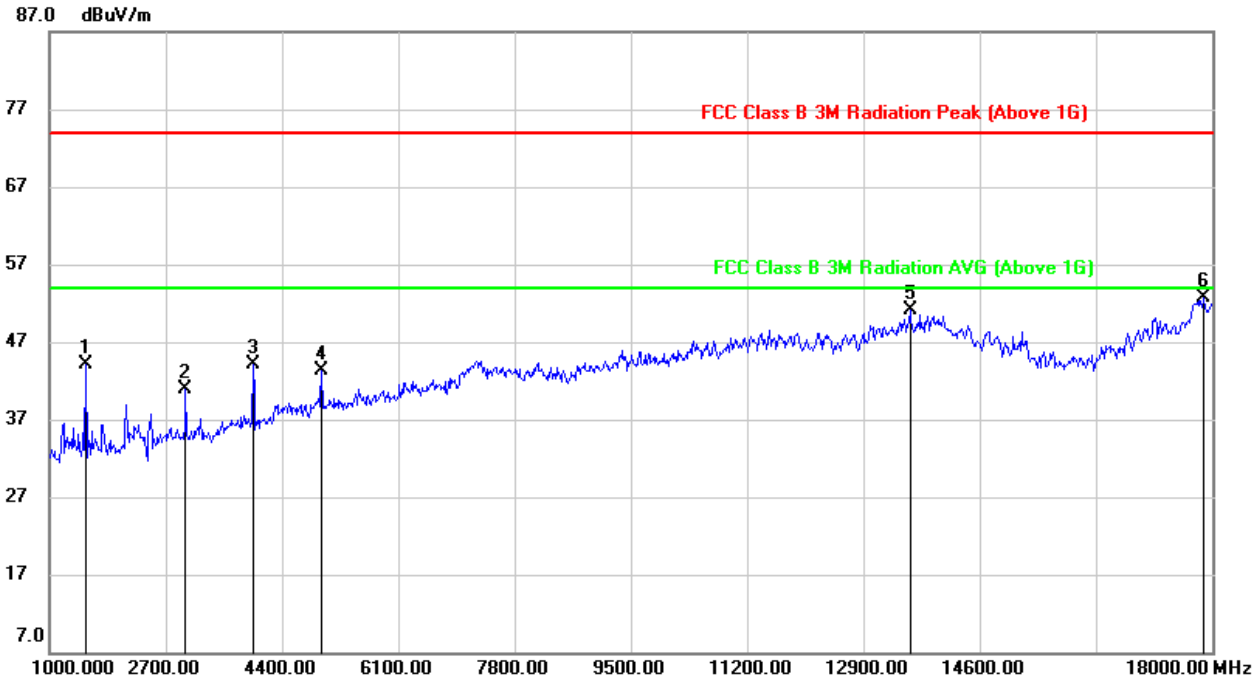
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.22	-12.74	45.48	74.00	-28.52	peak
2	2989.000	52.24	-7.29	44.95	74.00	-29.05	peak
3	3975.000	50.50	-4.54	45.96	74.00	-28.04	peak
4	4995.000	52.33	-0.78	51.55	74.00	-22.45	peak
5	13954.000	32.89	18.65	51.54	74.00	-22.46	peak
6	17847.000	29.24	23.90	53.14	74.00	-20.86	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

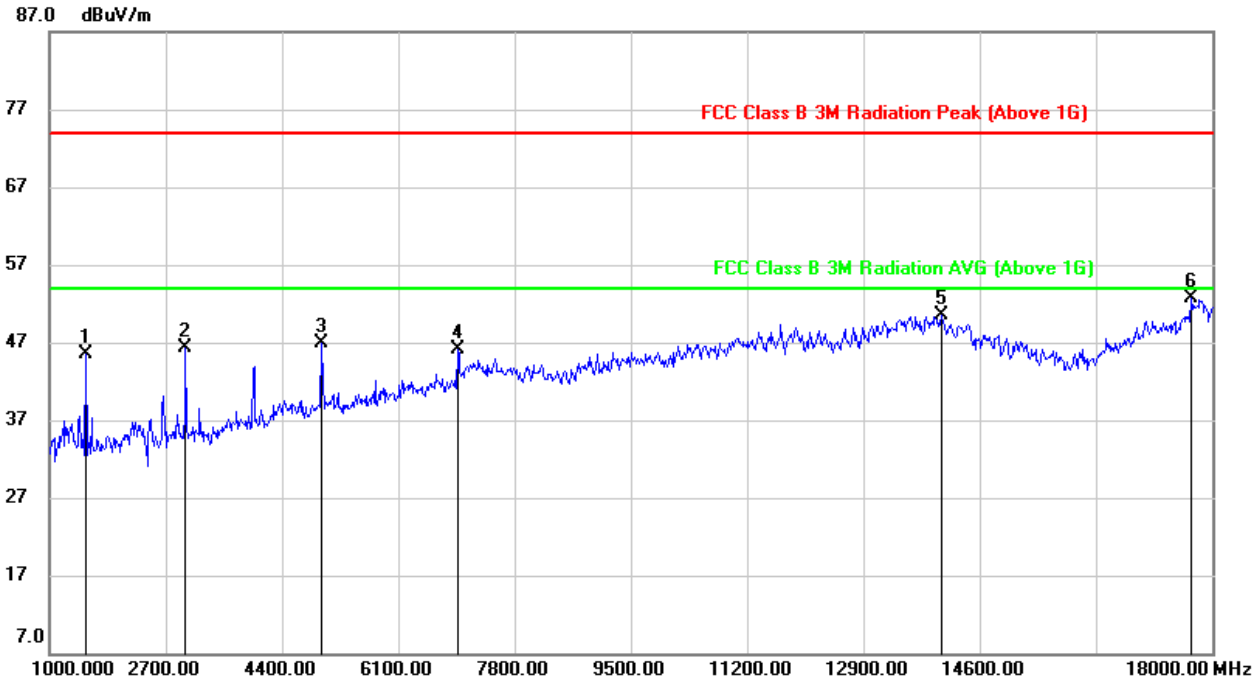
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.88	-12.75	44.13	74.00	-29.87	peak
2	2989.000	48.12	-7.29	40.83	74.00	-33.17	peak
3	3975.000	48.62	-4.54	44.08	74.00	-29.92	peak
4	4978.000	44.09	-0.83	43.26	74.00	-30.74	peak
5	13580.000	32.73	18.44	51.17	74.00	-22.83	peak
6	17881.000	28.60	24.09	52.69	74.00	-21.31	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, VERTICAL)

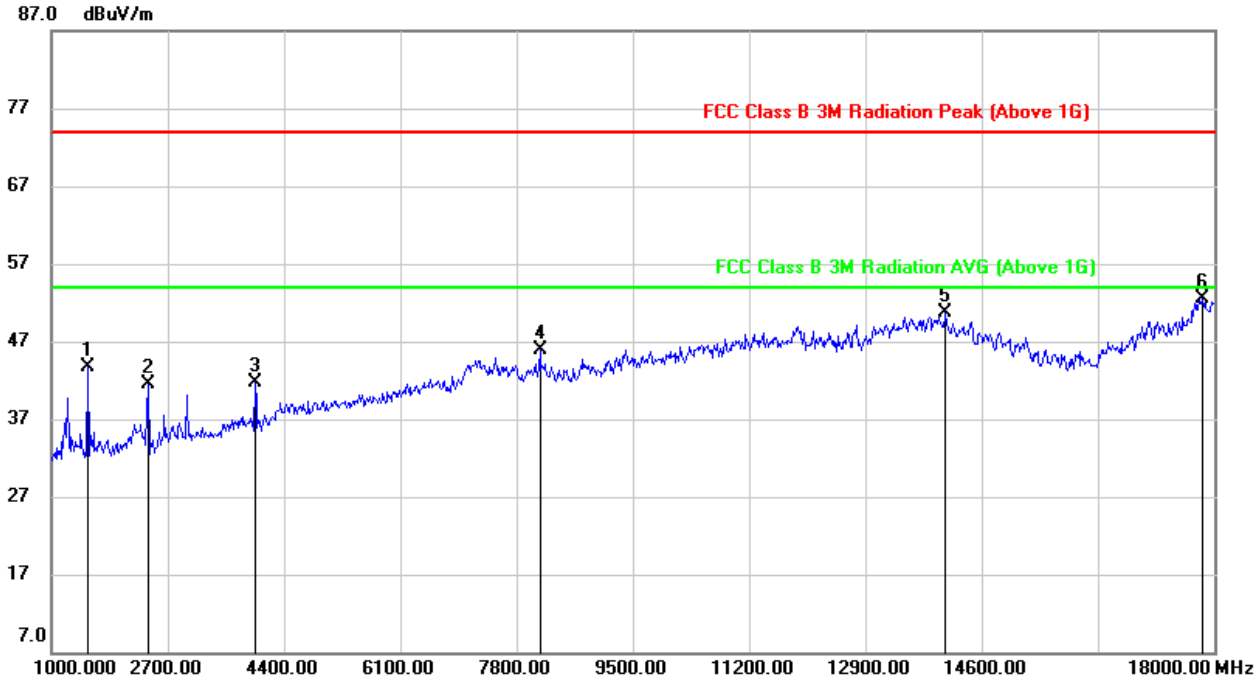


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.22	-12.74	45.48	74.00	-28.52	peak
2	2989.000	53.69	-7.29	46.40	74.00	-27.60	peak
3	4978.000	47.62	-0.77	46.85	74.00	-27.15	peak
4	6967.000	40.84	5.27	46.11	74.00	-27.89	peak
5	14039.000	32.10	18.42	50.52	74.00	-23.48	peak
6	17694.000	29.47	23.26	52.73	74.00	-21.27	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

QPSK 20MHz Bandwidth Mode

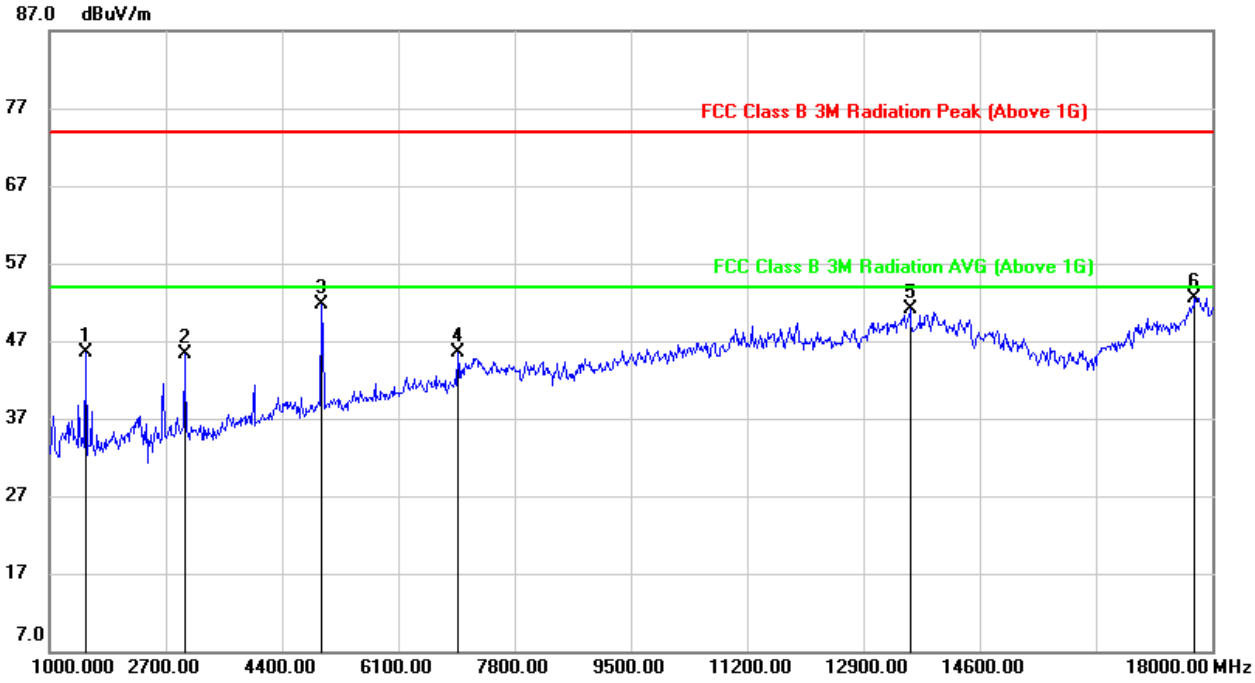
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	56.40	-12.75	43.65	74.00	-30.35	peak
2	2411.000	50.51	-9.08	41.43	74.00	-32.57	peak
3	3975.000	46.33	-4.54	41.79	74.00	-32.21	peak
4	8140.000	38.93	6.89	45.82	74.00	-28.18	peak
5	14073.000	32.22	18.47	50.69	74.00	-23.31	peak
6	17830.000	28.33	24.25	52.58	74.00	-21.42	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

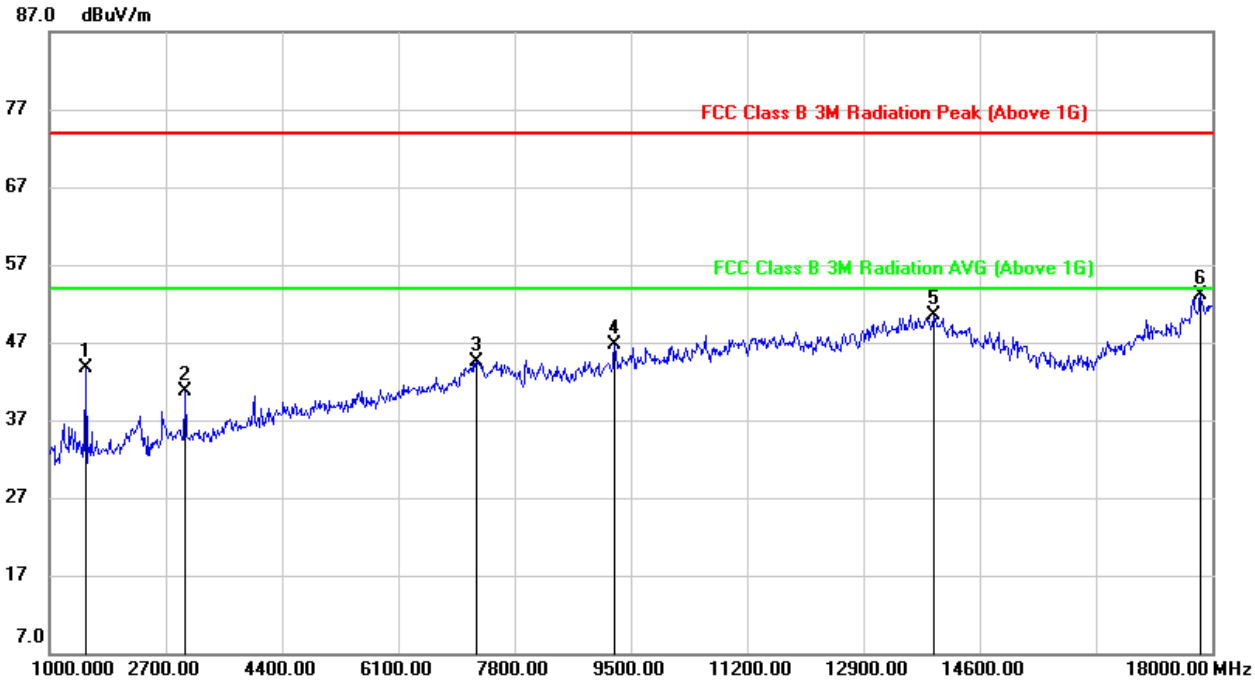
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1527.000	58.28	-12.74	45.54	74.00	-28.46	peak
2	2972.000	52.58	-7.28	45.30	74.00	-28.70	peak
3	4978.000	52.43	-0.77	51.66	74.00	-22.34	peak
4	6967.000	40.24	5.27	45.51	74.00	-28.49	peak
5	13580.000	32.45	18.56	51.01	74.00	-22.99	peak
6	17745.000	28.64	23.91	52.55	74.00	-21.45	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

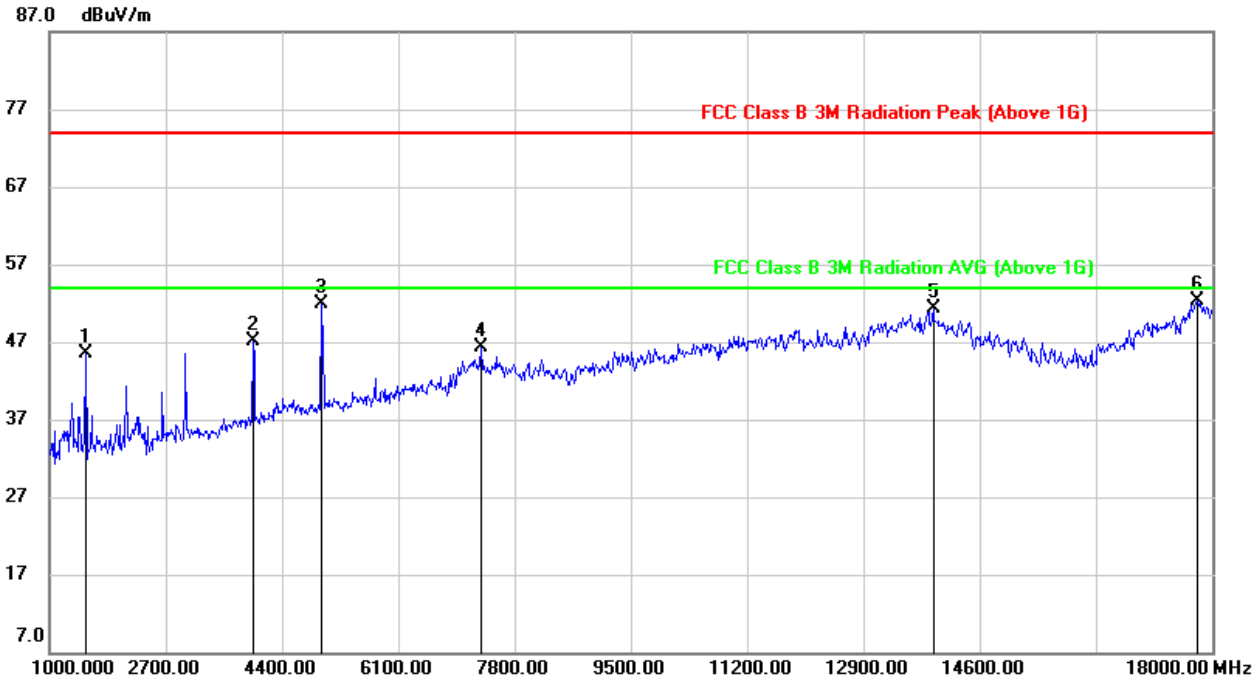
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1527.000	56.48	-12.75	43.73	74.00	-30.27	peak
2	2989.000	47.99	-7.29	40.70	74.00	-33.30	peak
3	7239.000	38.17	6.42	44.59	74.00	-29.41	peak
4	9262.000	37.88	8.86	46.74	74.00	-27.26	peak
5	13937.000	32.04	18.55	50.59	74.00	-23.41	peak
6	17830.000	28.82	24.25	53.07	74.00	-20.93	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

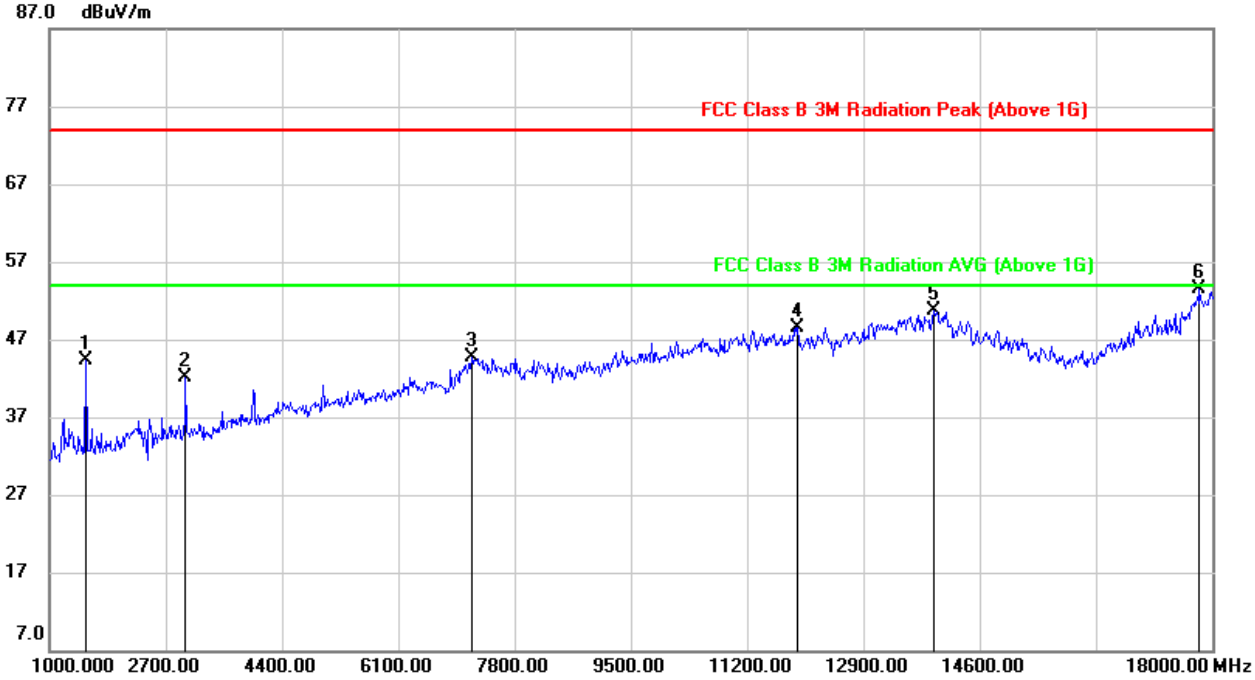
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	58.26	-12.74	45.52	74.00	-28.48	peak
2	3975.000	51.56	-4.54	47.02	74.00	-26.98	peak
3	4978.000	52.60	-0.77	51.83	74.00	-22.17	peak
4	7307.000	39.85	6.40	46.25	74.00	-27.75	peak
5	13920.000	32.62	18.71	51.33	74.00	-22.67	peak
6	17779.000	28.04	24.36	52.40	74.00	-21.60	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

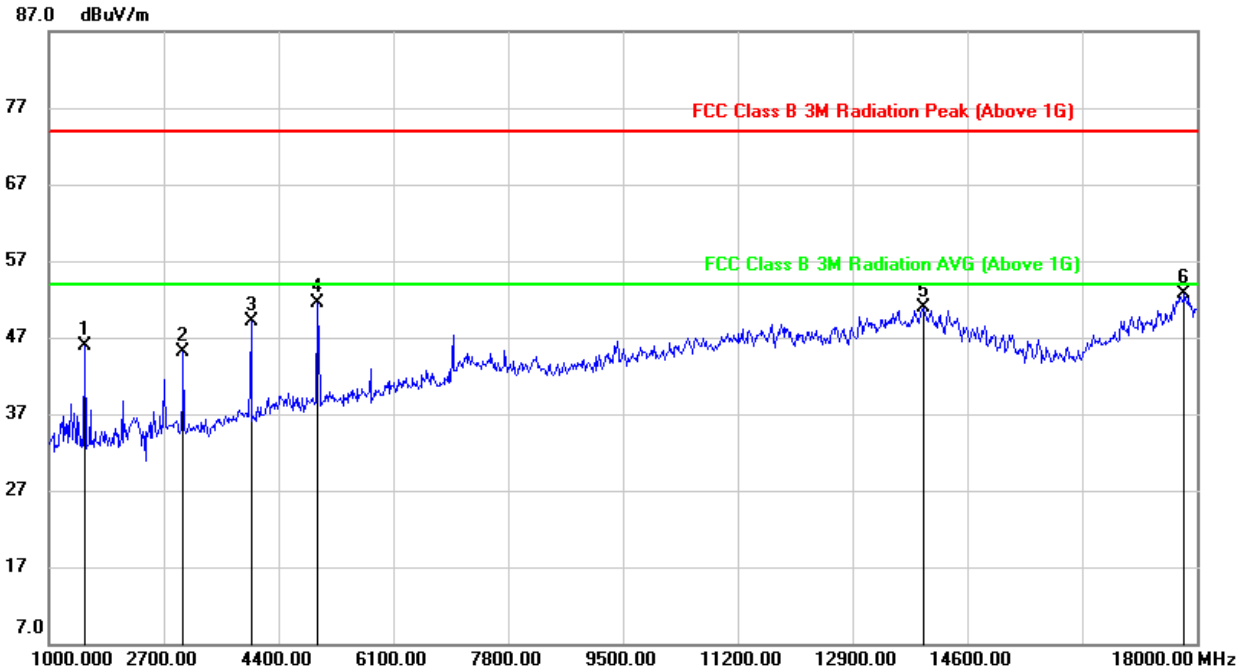
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1527.000	57.04	-12.75	44.29	74.00	-29.71	peak
2	2989.000	49.41	-7.29	42.12	74.00	-31.88	peak
3	7171.000	38.28	6.36	44.64	74.00	-29.36	peak
4	11931.000	33.81	14.76	48.57	74.00	-25.43	peak
5	13937.000	32.15	18.55	50.70	74.00	-23.30	peak
6	17813.000	29.21	24.25	53.46	74.00	-20.54	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, VERTICAL)

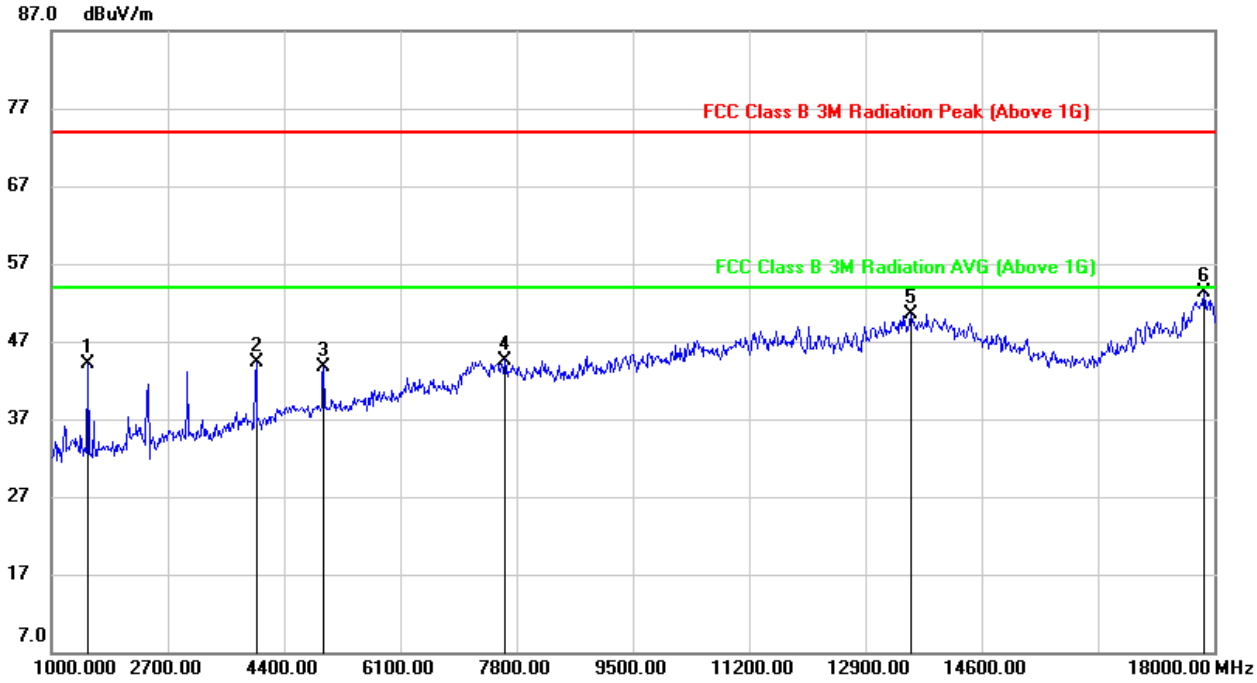


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1527.000	58.60	-12.74	45.86	74.00	-28.14	peak
2	2989.000	52.34	-7.29	45.05	74.00	-28.95	peak
3	3992.000	53.56	-4.54	49.02	74.00	-24.98	peak
4	4978.000	52.35	-0.77	51.58	74.00	-22.42	peak
5	13954.000	32.24	18.65	50.89	74.00	-23.11	peak
6	17813.000	28.26	24.44	52.70	74.00	-21.30	peak

Note: 1. Result = Reading + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

OFDM 20MHz Bandwidth Mode

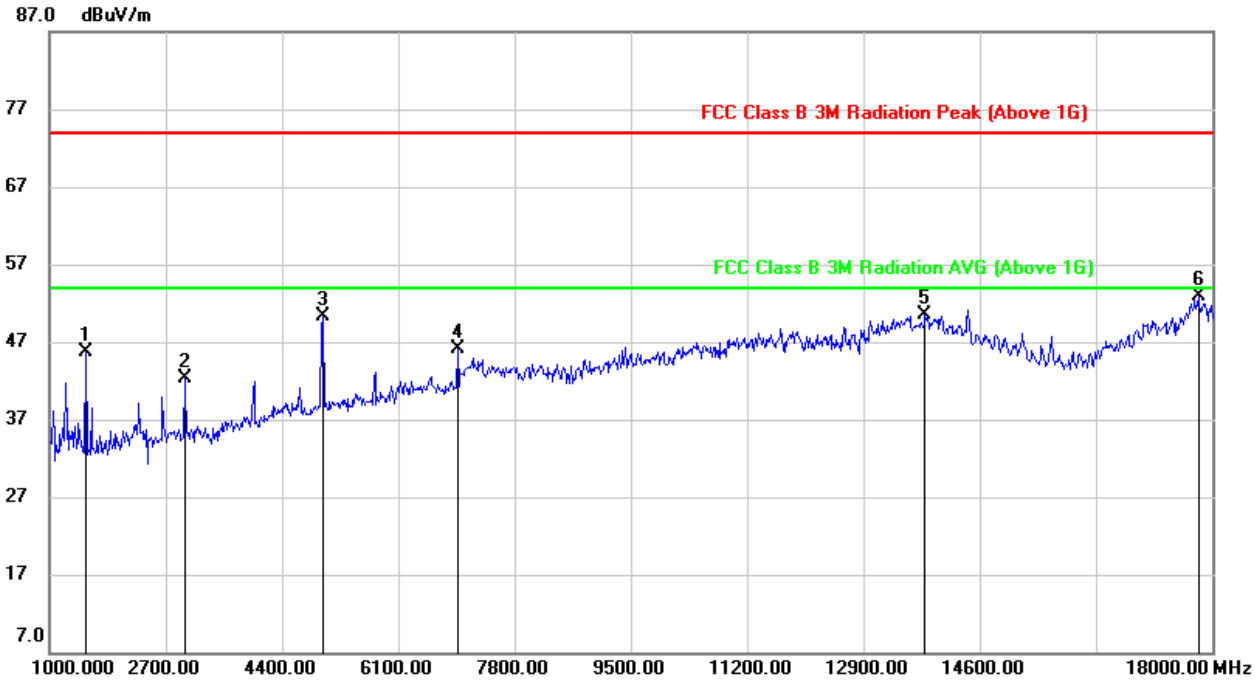
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1536.633	56.88	-12.80	44.08	74.00	-29.92	peak
2	3993.133	48.80	-4.54	44.26	74.00	-29.74	peak
3	4991.600	44.55	-0.86	43.69	74.00	-30.31	peak
4	7632.267	38.13	6.47	44.60	74.00	-29.40	peak
5	13567.533	32.15	18.38	50.53	74.00	-23.47	peak
6	17852.100	29.07	24.25	53.32	74.00	-20.68	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

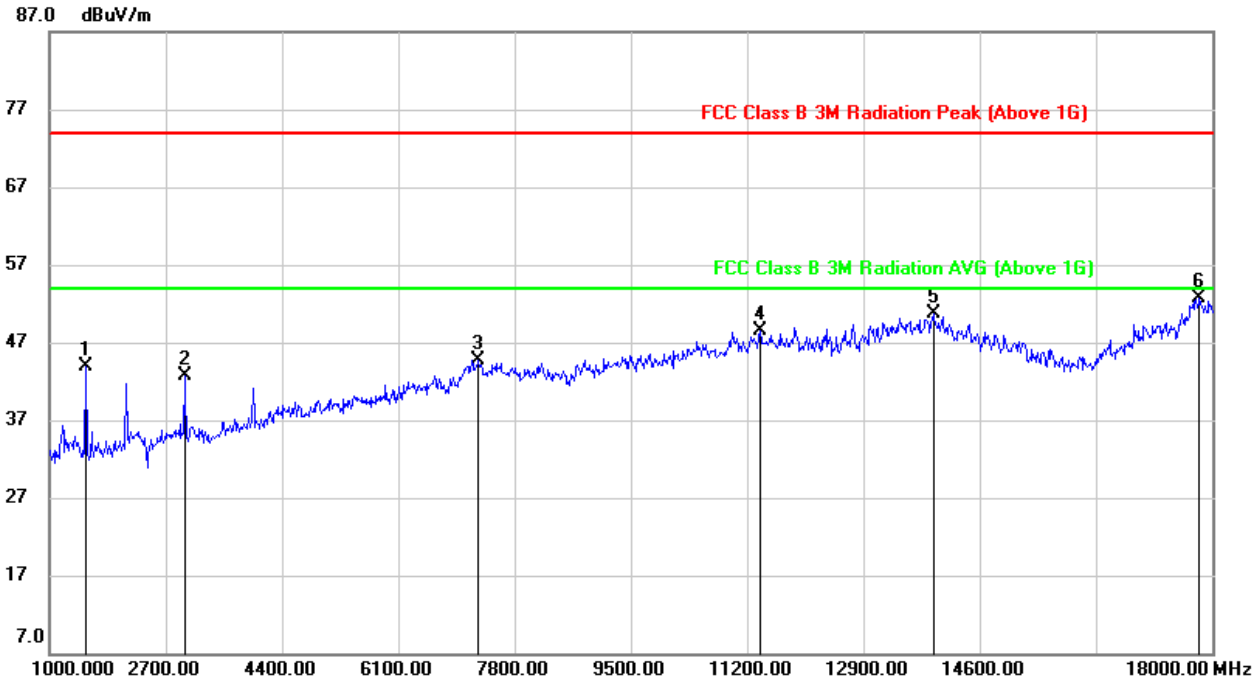
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.633	58.43	-12.75	45.68	74.00	-28.32	peak
2	2986.733	49.60	-7.29	42.31	74.00	-31.69	peak
3	4999.533	51.17	-0.78	50.39	74.00	-23.61	peak
4	6972.100	40.86	5.29	46.15	74.00	-27.85	peak
5	13807.233	31.50	19.00	50.50	74.00	-23.50	peak
6	17809.600	28.47	24.49	52.96	74.00	-21.04	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

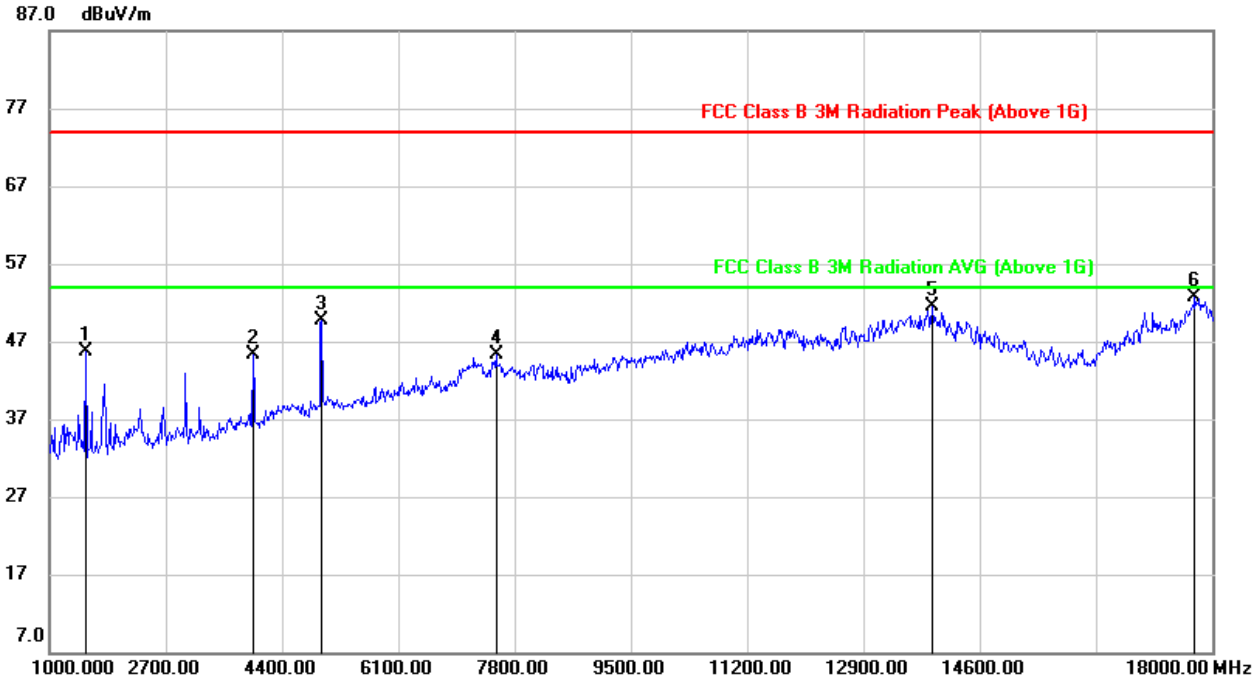
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1536.633	56.70	-12.80	43.90	74.00	-30.10	peak
2	2986.167	50.02	-7.29	42.73	74.00	-31.27	peak
3	7275.267	38.34	6.46	44.80	74.00	-29.20	peak
4	11398.900	34.69	13.72	48.41	74.00	-25.59	peak
5	13934.167	32.12	18.55	50.67	74.00	-23.33	peak
6	17815.267	28.37	24.25	52.62	74.00	-21.38	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

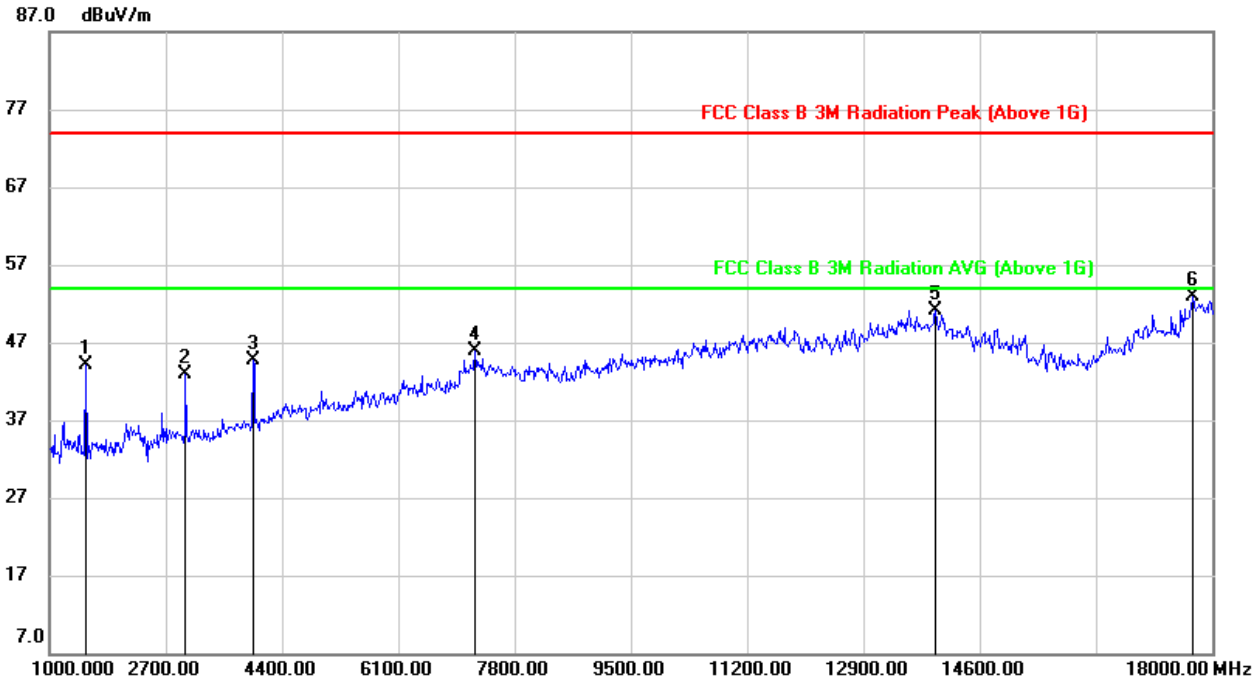
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (MIDDLE CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.633	58.39	-12.75	45.64	74.00	-28.36	peak
2	3983.500	49.85	-4.54	45.31	74.00	-28.69	peak
3	4991.033	50.48	-0.78	49.70	74.00	-24.30	peak
4	7534.233	38.56	6.80	45.36	74.00	-28.64	peak
5	13919.433	32.81	18.71	51.52	74.00	-22.48	peak
6	17754.067	28.77	24.03	52.80	74.00	-21.20	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

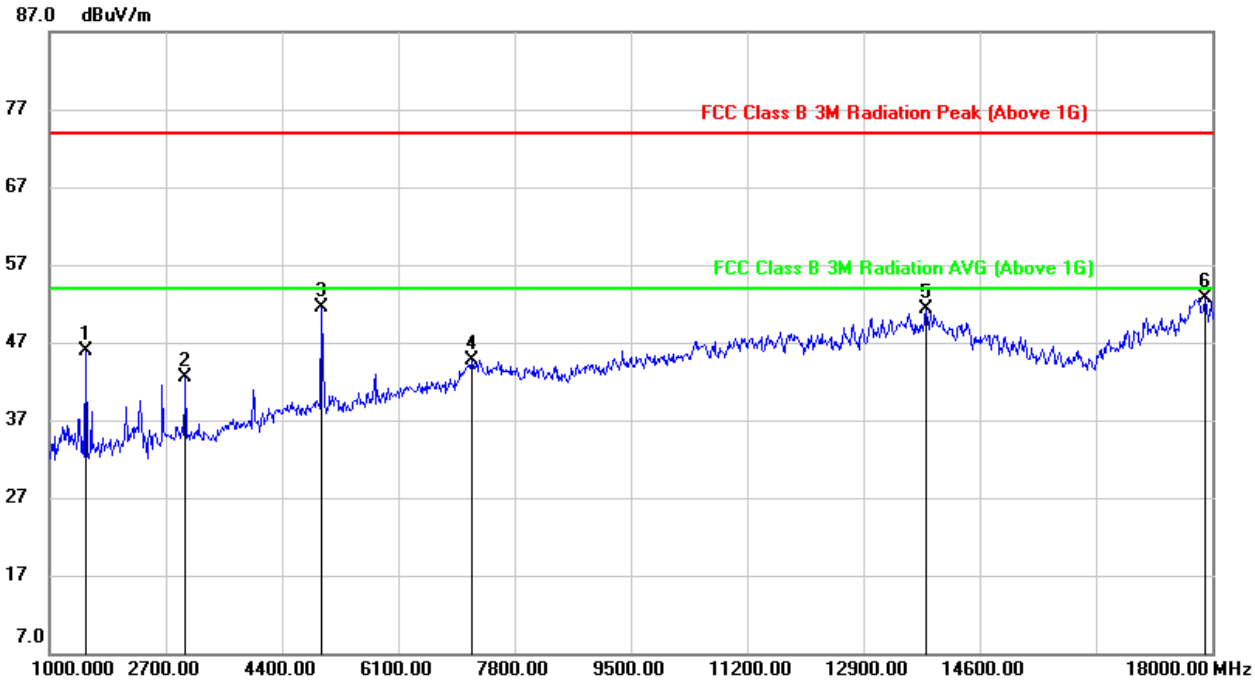
HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.633	56.82	-12.80	44.02	74.00	-29.98	peak
2	2992.967	50.24	-7.29	42.95	74.00	-31.05	peak
3	3983.500	49.15	-4.54	44.61	74.00	-29.39	peak
4	7231.067	39.42	6.40	45.82	74.00	-28.18	peak
5	13959.667	32.58	18.54	51.12	74.00	-22.88	peak
6	17721.767	29.32	23.49	52.81	74.00	-21.19	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS 1G~18GHz (HIGH CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.633	58.68	-12.75	45.93	74.00	-28.07	peak
2	2995.800	49.78	-7.29	42.49	74.00	-31.51	peak
3	4989.333	52.21	-0.78	51.43	74.00	-22.57	peak
4	7183.467	38.24	6.45	44.69	74.00	-29.31	peak
5	13818.567	32.31	18.96	51.27	74.00	-22.73	peak
6	17909.333	28.55	24.15	52.70	74.00	-21.30	peak

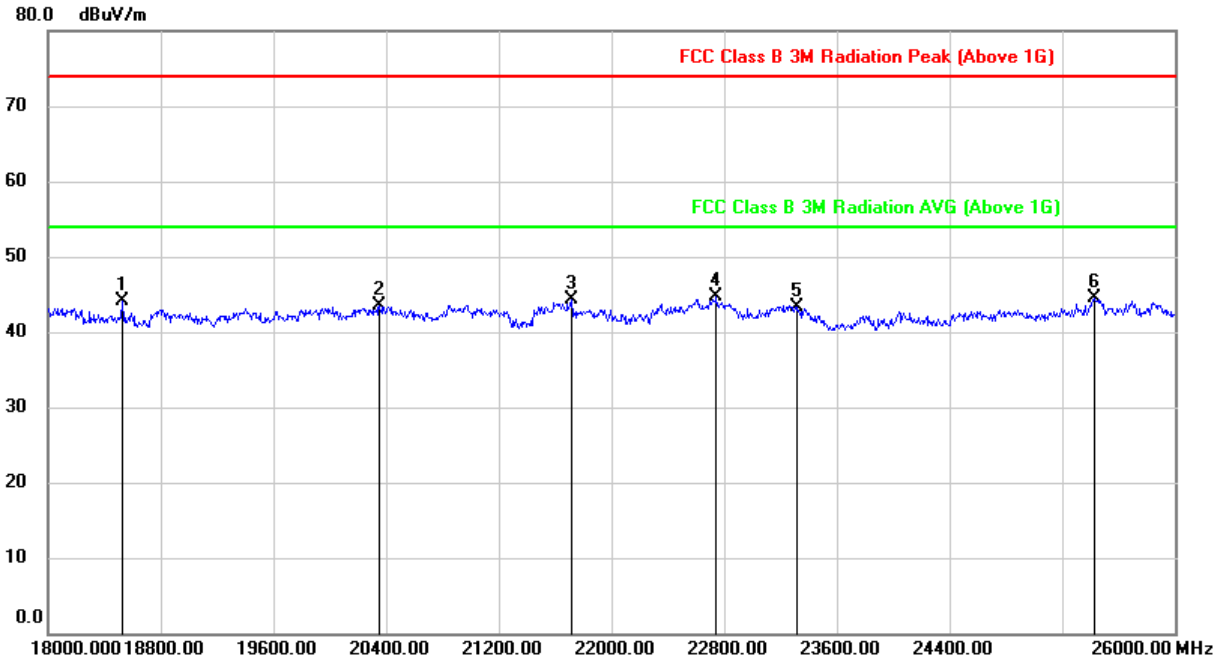
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

8.1. SPURIOUS EMISSIONS 18G ~ 26GHz (WORST-CASE CONFIGURATION)

QPSK 10MHz Bandwidth Mode

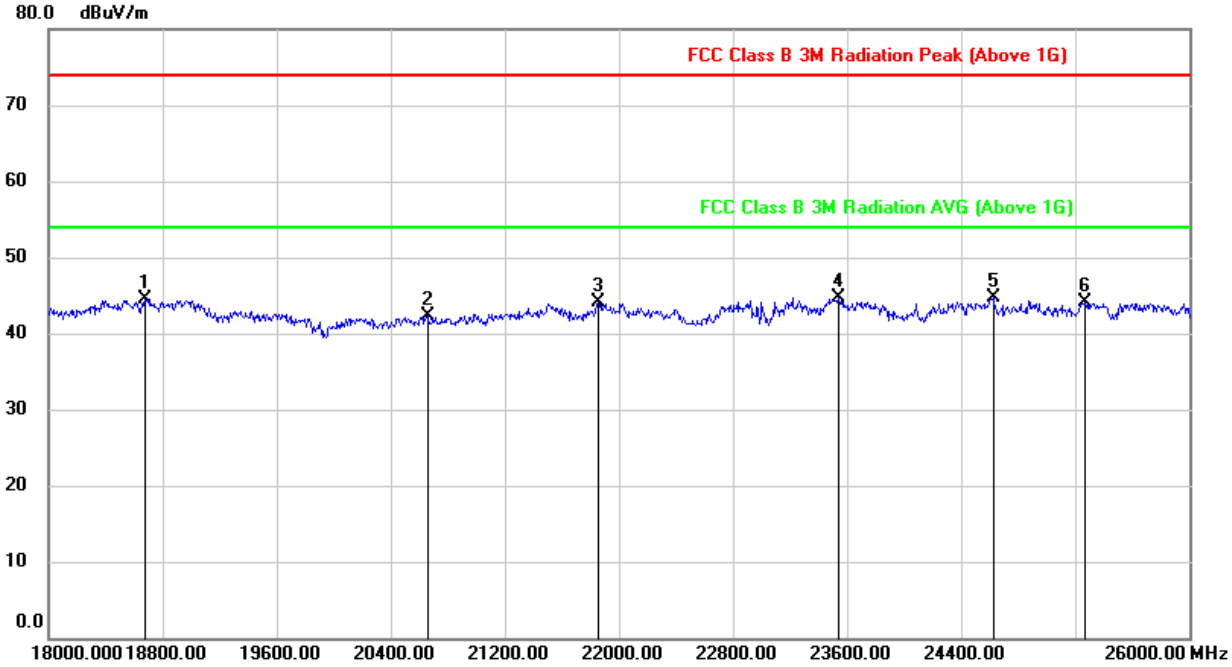
SPURIOUS EMISSIONS 18GHz TO 26GHz (MIDDLE CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18528.000	49.41	-5.26	44.15	74.00	-29.85	peak
2	20352.000	49.01	-5.50	43.51	74.00	-30.49	peak
3	21720.000	48.61	-4.37	44.24	74.00	-29.76	peak
4	22744.000	48.43	-3.69	44.74	74.00	-29.26	peak
5	23320.000	46.54	-3.30	43.24	74.00	-30.76	peak
6	25432.000	46.21	-1.75	44.46	74.00	-29.54	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS 18GHz TO 26GHz (MIDDLE CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18672.000	49.89	-5.38	44.51	74.00	-29.49	peak
2	20656.000	47.59	-5.20	42.39	74.00	-31.61	peak
3	21856.000	48.45	-4.39	44.06	74.00	-29.94	peak
4	23536.000	47.84	-3.15	44.69	74.00	-29.31	peak
5	24624.000	46.99	-2.33	44.66	74.00	-29.34	peak
6	25272.000	45.73	-1.67	44.06	74.00	-29.94	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

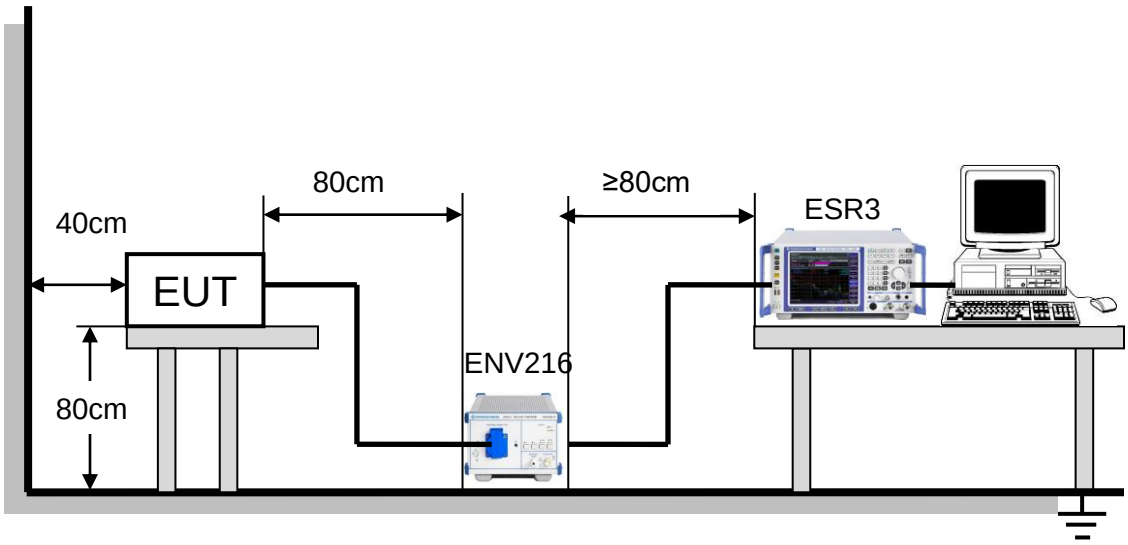
9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) and RSS-Gen Clause 8.8.

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 0.8m high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). An EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

Temperature	22.8°C	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 44.4V

RESULTS

Not Applicable.

Note: The EUT is powered by battery and can’t charge directly.

10. ANTENNA REQUIREMENTS

PPLICABLE REQUIREMENTS

Please refer to FCC §15.203

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

ANTENNA CONNECTOR

EUT has an external antenna with antenna connector.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.

END OF REPORT