RF Test Report

Issued Date: Feb. 24, 2021

Applicant	:	Phonex Broadband Corporation dba ReadyNet
Product Type	:	Wireless Router
Trade Name	:	ReadyNet
Model Number	:	LTE520S
FCC ID	:	Y2P-LTE520S
EUT Rated Voltage	:	DC 12 V, 1 A
Test Voltage	:	120 Vac / 60 Hz
Receive Date	:	Dec. 24, 2020
Test Period	:	Jan. 29 ~ Feb. 01, 2021
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Test Result	:	Complied

Testing Laboratory

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http://www.atl-lab.com.tw/e-index.htm

American Association for Laboratory Accreditation number: 3464.02
Test Firm MRA designation number: CN1168

Approved By	:	Louis Shen	Reviewed By	:	Joyce Feng
(Manager)		(Louis Shen)	(Testing Engineer)		(Joyce Feng)

Revision History

Rev.	Issue Date	Revisions
00	Feb. 24, 2021	Initial Issue

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1 General Information

1.1 Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	-----
15.247(d) 15.209(a) 15.205	Transmitter Radiated Emissions	PASS	-----
15.247(b)(3)	Max. Output Power	PASS	-----
15.247(a)(2)	6dB RF Bandwidth	PASS	-----
15.247(e)	Maximum Power Spectral Density	PASS	-----
15.247(d)	Out of Band Conducted Spurious Emission	PASS	-----
15.203	Antenna Requirement	PASS	-----

Standard	Description
CFR47, Part 15, Subpart C §15.247	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB558074 D01 v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
KDB 662911 D01 v02r01	Emission Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc).

The test results of this report relate only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

A Test Lab Techno Corp. tested the above equipment under the requirements outlined in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. Based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

A Test Lab Techno Corp. will not be liable for any loss or damage resulting from false, inaccurate, inappropriate or incomplete product information provided by the customer.

This test report is electronically signed and valid without handwriting signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

1.2 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	9kHz ~ 150KHz	2.7
	150kHz ~ 30MHz	2.7
Radiated Emission	9kHz ~ 30MHz	1.7
	30MHz ~ 1000MHz	5.7
	1000MHz ~ 18000MHz	5.5
	18000MHz ~ 26500MHz	4.8
	26500MHz ~ 40000MHz	4.8
Conducted Output Power	+0.27 dB / -0.28 dB	
RF Bandwidth	4.96%	
Power Spectral Density	+0.71 dB / -0.77 dB	

2 EUT Description

Applicant	Phonex Broadband Corporation dba ReadyNet 6952 High Tech Drive Suite B, Midvale, Utah, United States				
Manufacturer	Phonex Broadband Corporation dba ReadyNet 6952 High Tech Drive Suite B, Midvale, Utah, United States				
Product Type	Wireless Router				
Trade Name	ReadyNet				
Model Number	LTE520S				
FCC ID	Y2P-LTE520S				
Operate Freq. Band	Frequency Range (MHz)		Modulation	Channel Bandwidth	Data Rate 400 / 800 GI (ns)
IEEE 802.11b	2412 ~ 2462		DSSS	20MHz	Up to 1Mbps
IEEE 802.11g	2412 ~ 2462		OFDM	20MHz	Up to 6Mbps
IEEE 802.11n 2.4GHz 20MHz	2412 ~ 2462		OFDM	20MHz	Up to 6.5Mbps
IEEE 802.11n 2.4GHz 40MHz	2422 ~ 2452		OFDM	40MHz	Up to 13.5Mbps
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)	
	ANT-0	12050023	Patch Antenna	2.2	
	ANT-1	12050023	Patch Antenna	2.1	
RF Cable information	Cable Loss(dB)		Provided by		
	1.3		□Manufacturer■Testing Laboratory		
Antenna Delivery	See section 3.1				
Operate Temp. Range	-10 ~ +50℃				

Frequency Band	Max. RF Output Power (W)
IEEE 802.11b	0.137
IEEE 802.11g	0.069
IEEE 802.11n 2.4GHz 20MHz	0.160(ant0+ant1)
IEEE 802.11n 2.4GHz 40MHz	0.142(ant0+ant1)

3 Test Methodology

3.1. Mode of Operation

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit mode
Mode 2: IEEE 802.11b Continuous TX mode
Mode 3: IEEE 802.11g Continuous TX mode
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in TX mode only.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that “X axis” position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Test Mode	ANT-0	ANT-1	ANT-0+1
Mode 2	V	V	---
Mode 3	V	V	---
Mode 4	V	V	V
Mode 5	V	V	V

Test Mode	Antenna Delivery	Data Rate	Test Channel
Mode 2	1TX / 1RX	1M	1, 6, 11
Mode 3	1TX / 1RX	6M	1, 6, 11
Mode 4	2TX / 2RX(MIMO)	6.5M	1, 6, 11
Mode 5	2TX / 2RX(MIMO)	13.5M	3, 6, 9

Mode	Date Rate	CH	Frequency (MHz)	RF power setting in Test SW		Test SW Version
				Ant 0	Ant 1	
802.11b	1M	1	2412	1B	1B	QATool_Dbg.exe 0.0.2.0
		6	2437	1B	1B	
		11	2462	1B	1B	
802.11g	6M	1	2412	0E	0E	
		6	2437	0E	0E	
		11	2462	0E	0E	
802.11n_HT20	6.5M	1	2412	0E	0E	
		6	2437	0E	0E	
		11	2462	0E	0E	
802.11n_HT40	13.5M	3	2422	10	10	
		6	2437	10	10	
		9	2452	10	10	

Duty cycle

ANT-0

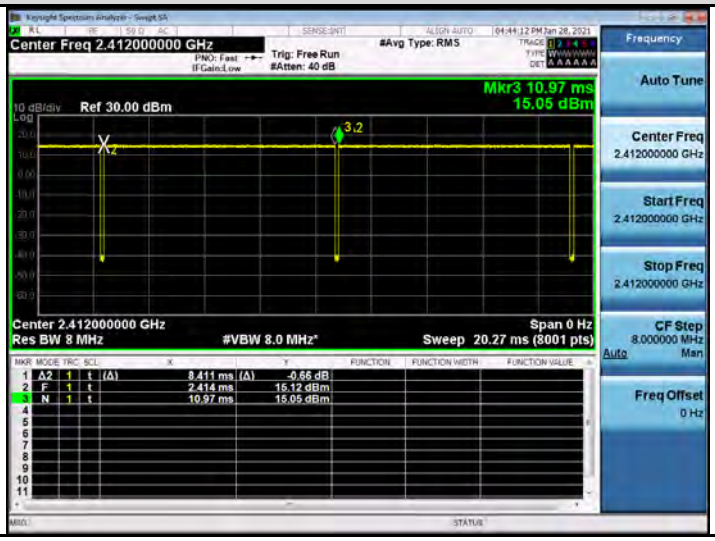
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412	8.411	10.970	0.767	1.154	0.119
Mode 3	2412	1.391	1.692	0.822	0.851	0.719
Mode 4	2412	1.305	1.968	0.663	1.784	0.766
Mode 5	2422	0.641	0.975	0.657	1.821	1.560

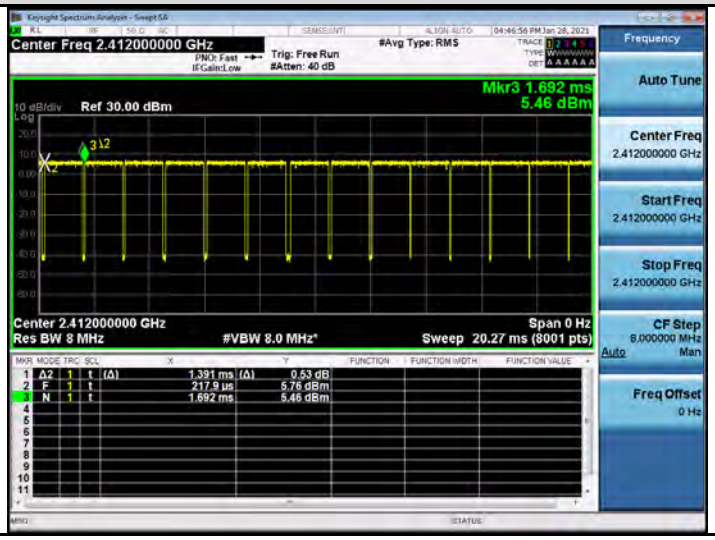
ANT-1

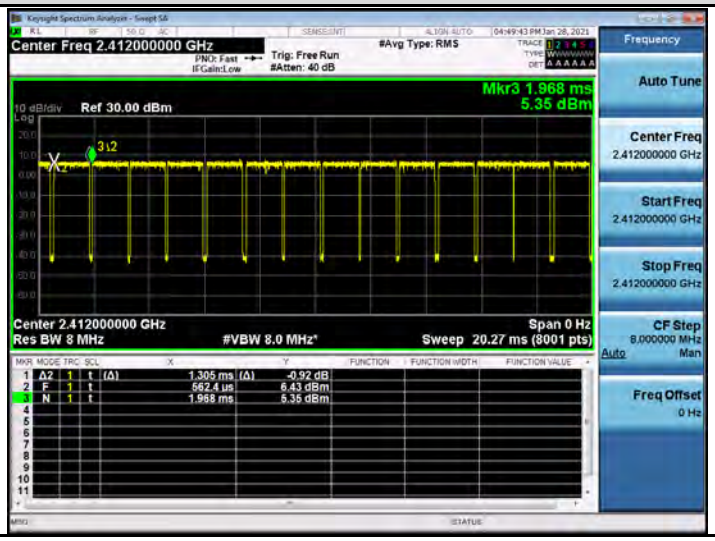
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412	8.411	10.570	0.796	0.992	0.119
Mode 3	2412	1.391	2.224	0.625	2.038	0.719
Mode 4	2412	1.302	2.303	0.565	2.477	0.768
Mode 5	2422	0.644	0.983	0.655	1.837	1.553

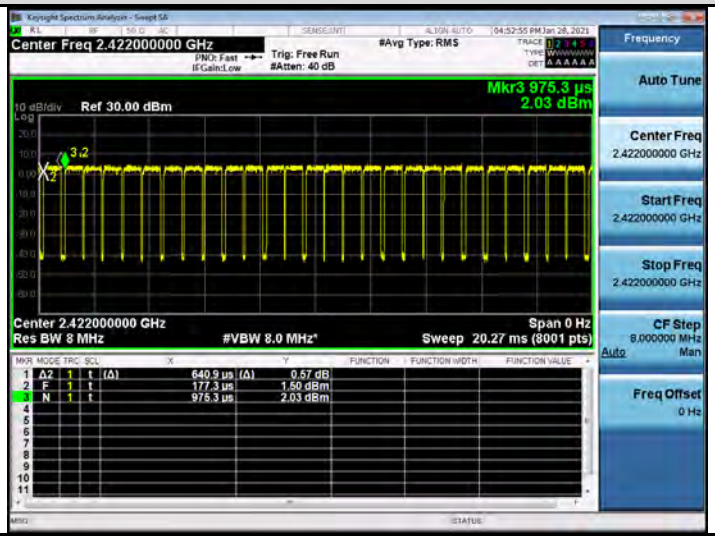
Duty Cycle Graphs

ANT-0

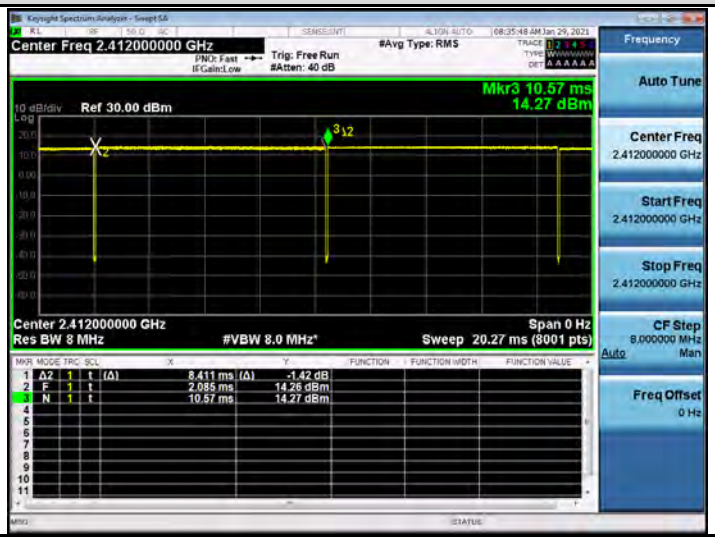
Mode 2: IEEE 802.11b Continuous TX mode	
Duty Cycle	

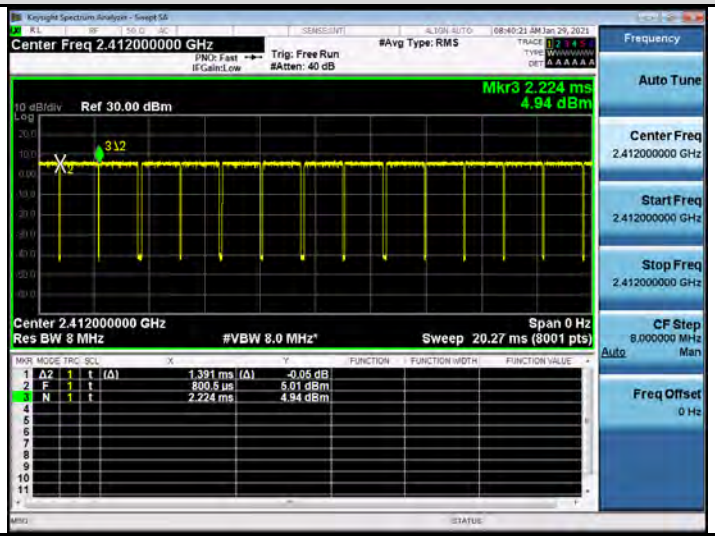
Mode 3: IEEE 802.11g Continuous TX mode	
Duty Cycle	

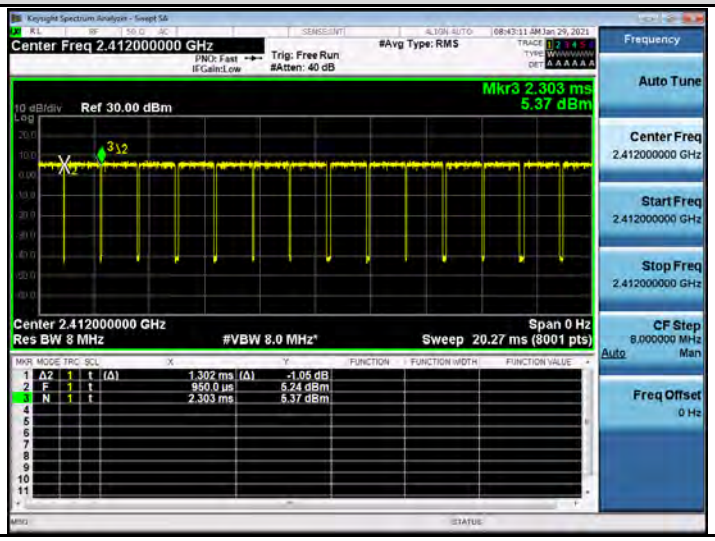
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode	
Duty Cycle	

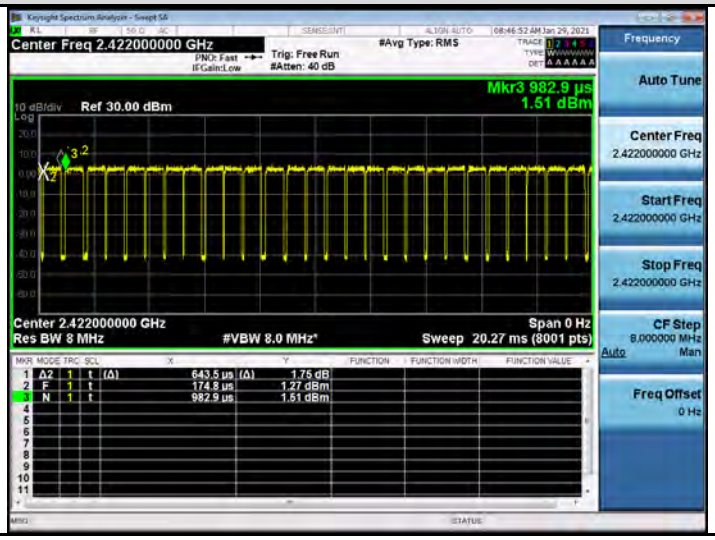
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode	
Duty Cycle	

ANT-1

Mode 2: IEEE 802.11b Continuous TX mode	
Duty Cycle	

Mode 3: IEEE 802.11g Continuous TX mode	
Duty Cycle	

Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode	
Duty Cycle	

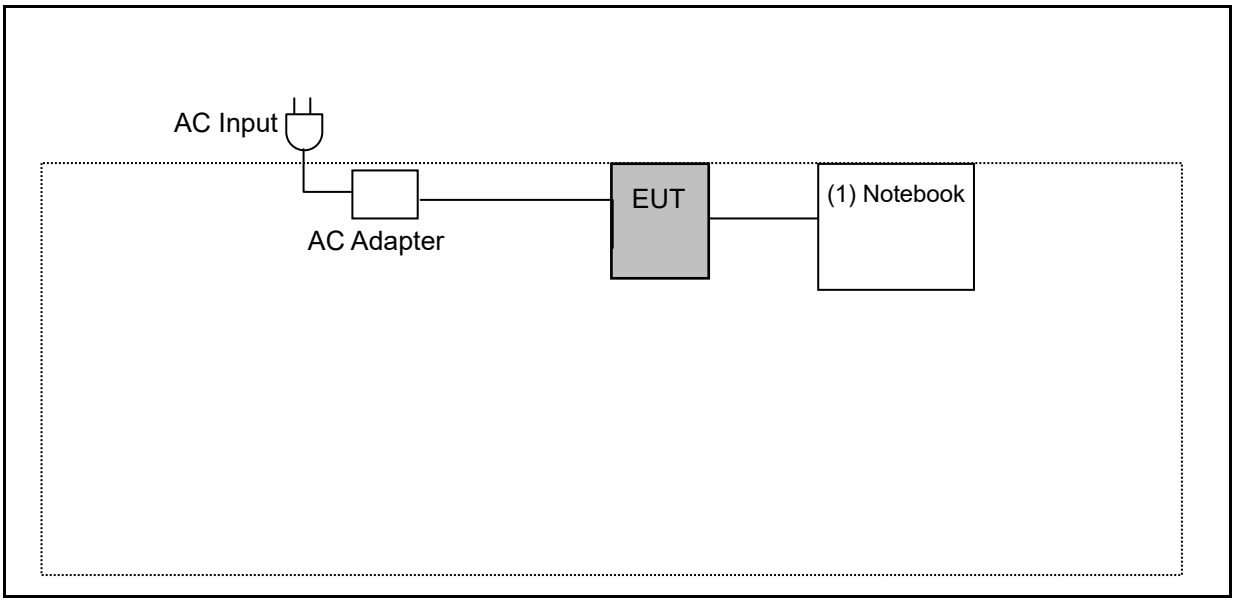
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode	
Duty Cycle	

3.2. EUT Test Step

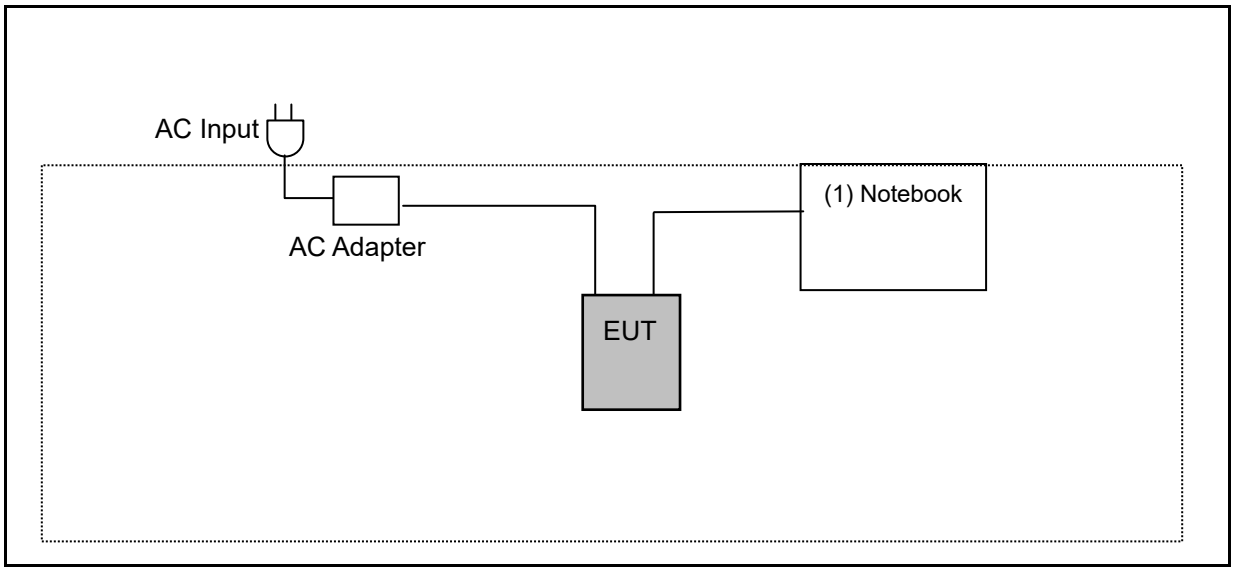
1. Setup the EUT shown on “Configuration of Test System Details”.
2. Turn on the power of all equipment.
3. Turn on TX function
4. EUT run test program.

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Network	LENOVO	ThinkPad E560	N/A	Non-Shielded, 0.8m

3.4. Test Instruments

For Conducted Emission

Test Period: Jan. 29, 2021

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESR3	101923	09/01/2020	1 year
LISN	R&S	ENV216	101942	09/01/2020	1 year
ISN	TESEQ	ISN T800	39216	09/01/2020	1 year
RF Cable	EMCI	EMCCFD400	433LFC	09/01/2020	1 year
Test Site	ATL	CE	CE	N.C.R.	-----
Measurement Software		EZ-EMC Ver. ATL-03A1-1			

For Radiated Emissions

Test Period: Jan. 29~ Feb, 01, 2021

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Preamplifier	EMCI	EMC001330	980300	09/01/2020	1 year
Preamplifier	EMCI	EMC012645SE	980318	09/01/2020	1 year
Bilog Antenna	Schwarzbeck	VULB 9168	672	10/16/2020	1 year
Horn Antenna	ETS	3117	00204949	10/16/2020	1 year
Receiver	Keysight	N9038A	MY51210179	09/01/2020	1 year
Cable	EMCI	N/A	1066LFC	09/01/2020	1 year
Cable	EMCI	N/A	160719	09/01/2020	1 year
Test Site	OuHeng	MFAC3M	RE-026	02/24/2020	1 year
Measurement Software		EZ-EMC Ver. ATL-ITC-3A1-1			

Note: N.C.R. = No Calibration Request.

Measurement Software	
CE	EZ-EMC Ver. ATL-03A1-1
RE	EZ-EMC Ver ATL-ITC-3A1-1 (for Conducted Emission)

For Conducted
Test Period: Jan. 29~ Feb, 01, 2021

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Power Sensor	Anritsu	MA2411B	1126022	08/28/2020	1 year
Power Meter	Anritsu	ML2495A	1135009	08/28/2020	1 year
Spectrum Analyzer (3Hz~13.2GHz)	Agilent	E4445A	MY45300744	12/19/2020	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1500	140303	02/22/2020	1 year
Spectrum Analyzer (9KHz~26.5GHz)	Agilent	E4408B	MY45107753	08/14/2020	1 year
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/17/2020	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

Note: N.C.R. = No Calibration Request.

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

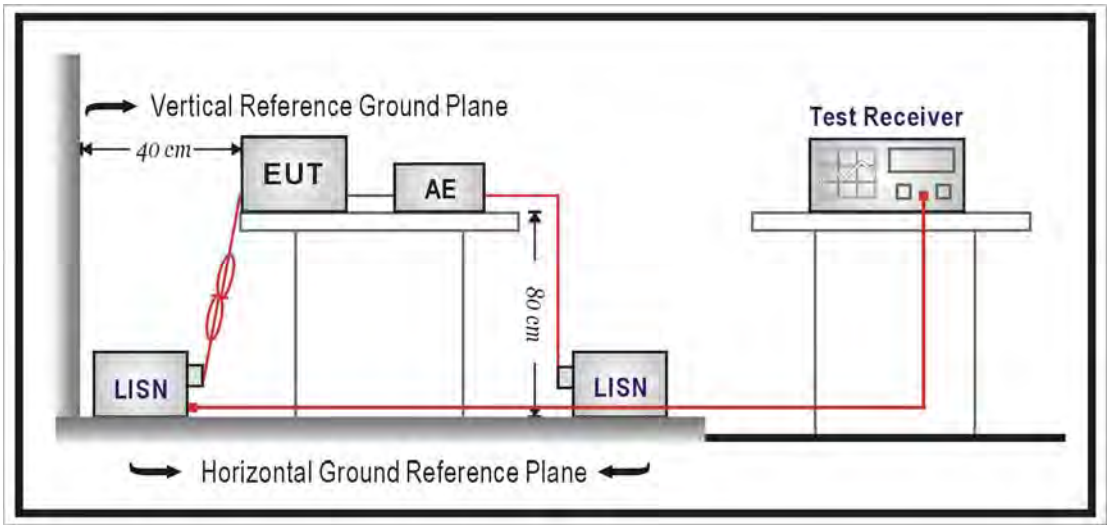
4 Measurement Procedure

4.1. AC Power Line Conducted Emission Measurement

■ **Limit**

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ **Test Setup**



■ **Test Procedure**

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50Ω// 50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50Ω// 50uH coupling impedance with 50ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150kHz to 30MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0,8 m from the AMN. If the mains power cable is longer than 1m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4m. All of interconnecting cables that hang closer than 40cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

4.2. Radiated Emission Measurement

■ **Limit**

According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m at meter)	Measurement Distance (meters)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

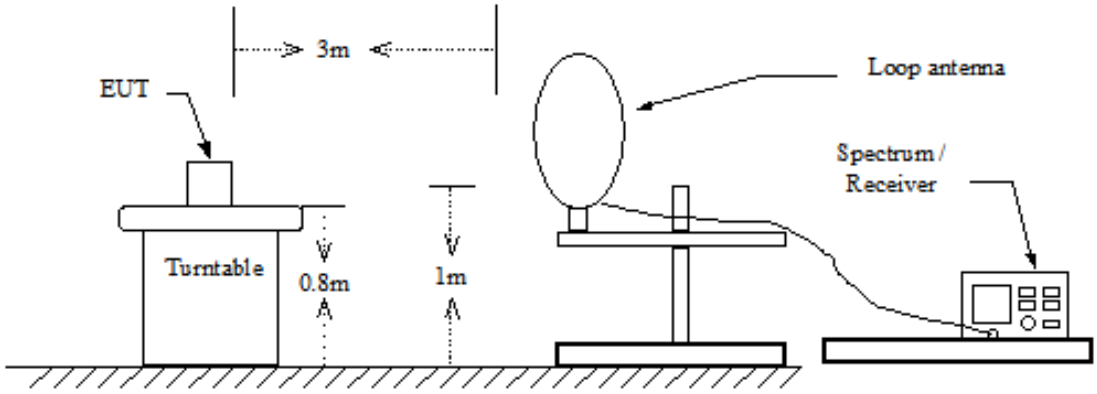
* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

According to §15.205(a), except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

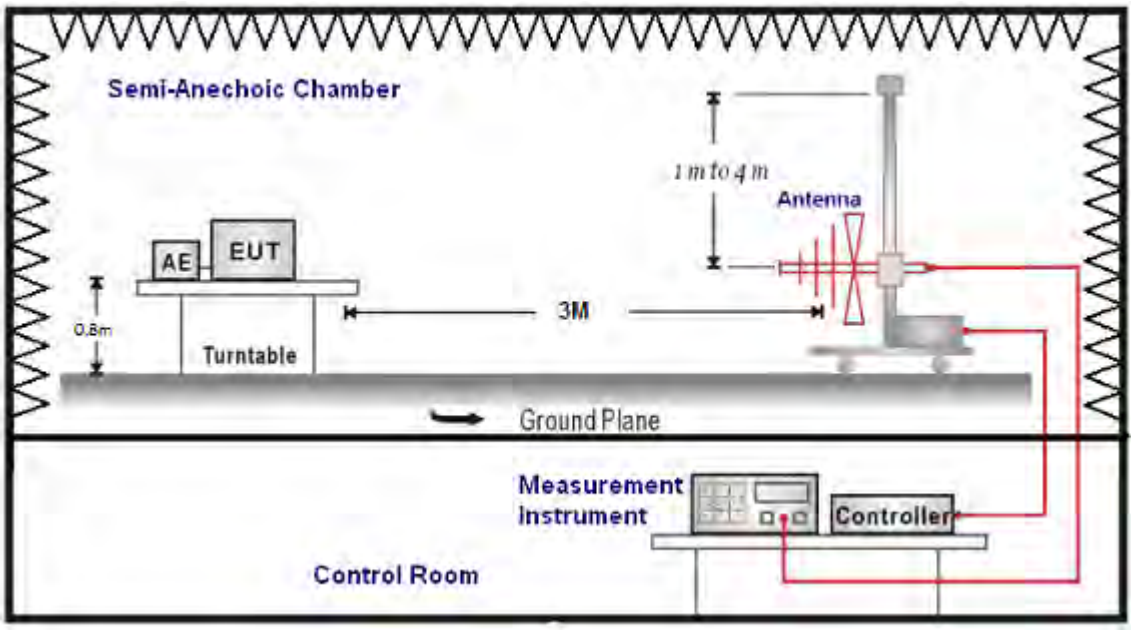
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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			

■ **Setup**

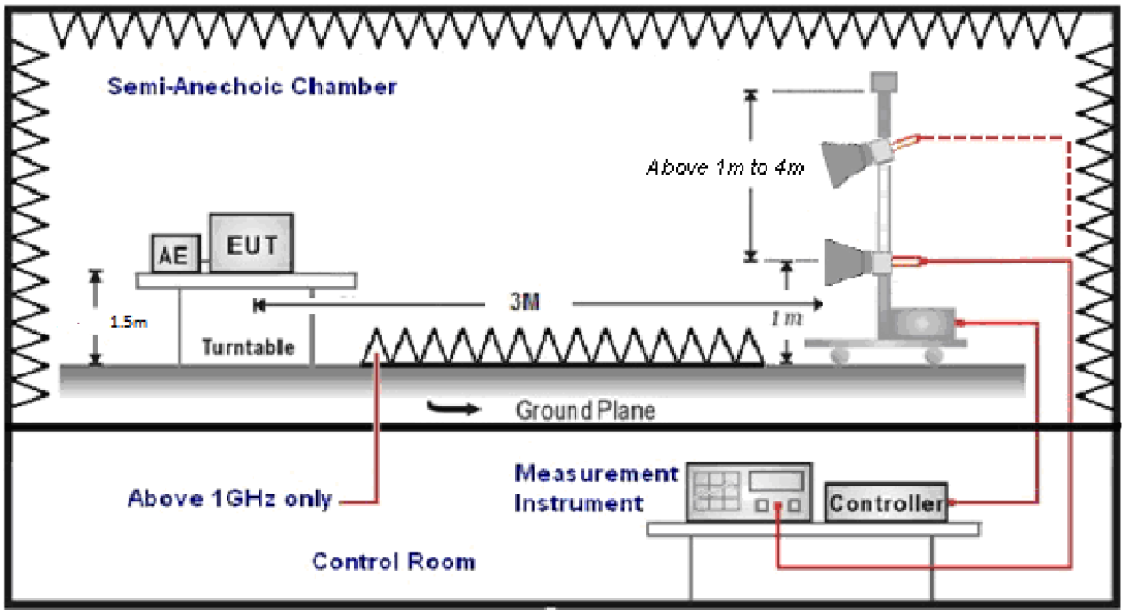
9kHz ~ 30MHz



Below 1GHz



Above 1GHz


Semi-Anechoic Chamber
Above 1m to 4m
AE
EUT
1.5m
Turntable
3M
1 m
Ground Plane
Above 1GHz only
Measurement
Instrument
Controller
Control Room

■ **Test Procedure**

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 26.5 GHzis investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >0.98 / 1/T for average measurements when Duty cycle <0.98. A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna was used in frequencies 1 –26.5 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).

For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer’s 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)
FI= Reading of the field intensity.
AF= Antenna factor.
CL= Cable loss.
P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
(a) For fundamental frequency : Transmitter Output < +30dBm
(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

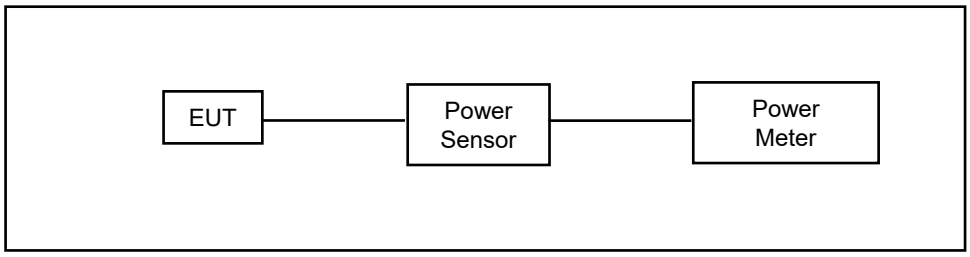
4.3. Maximum Conducted Output Power Measurement

■ **Limit**

For systems using digital modulation in the 2400-2483.5MHz, the limit for maximum output power is 30dBm.

And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

■ **Test Setup**



■ **Test Procedure**

The testing follows the Measurement Procedure of ANSI C63.10-2013 section 11.9.2.3 Method AVGPM.

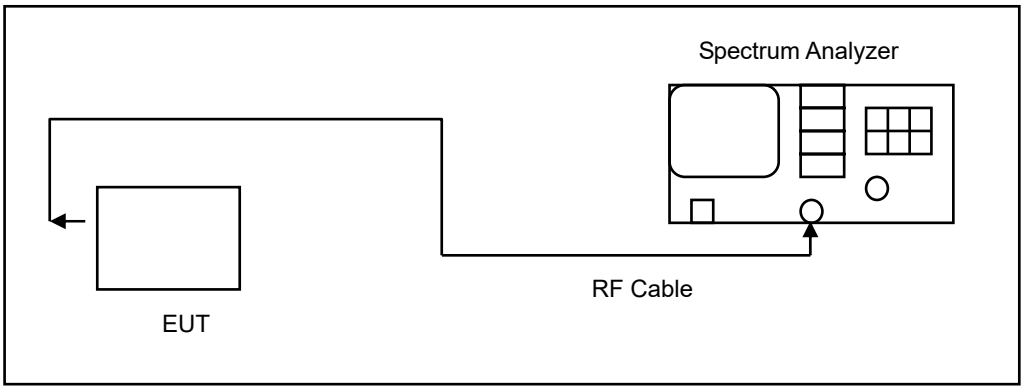
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

4.4. 6dB RF Bandwidth Measurement

■ **Limit**

6dB RF Bandwidth: Systems using digital modulation techniques may operate in the 2400–2483.5 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.

■ **Test Setup**



■ **Test Procedure**

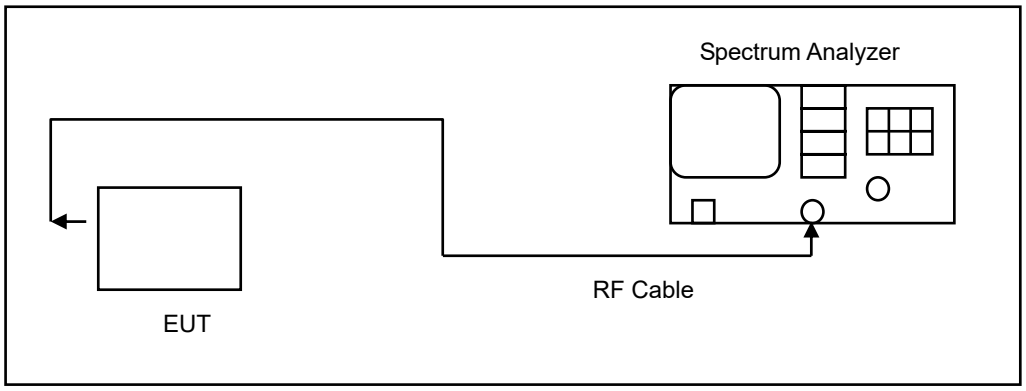
The EUT tested to DTS test procedure of KDB 558074 D01 for compliance to FCC 47CFR 15.247 requirements.
6dB RF Bandwidth: The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.
The test was performed at 3 channels (Channel low, middle, high)

4.5. Maximum Power Spectral Density Measurement

■ **Limit**

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

■ **Test Setup**



■ **Test Procedure**

The EUT tested to DTS test procedure of KDB 558074 D01 section 10.2 Method PKPSD for compliance to FCC 47CFR 15.247 requirements.

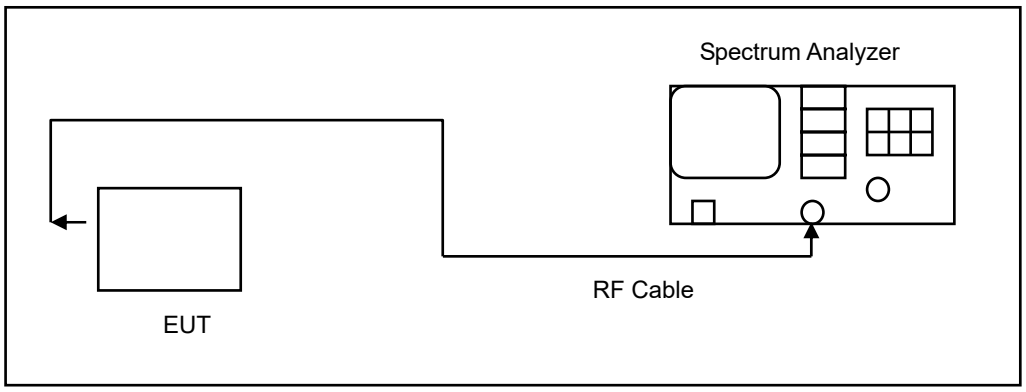
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
4. Set the VBW ≥ 3 × RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.6. Out of Band Conducted Emissions Measurement

■ **Limit**

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

■ **Test Setup**



■ **Test Procedure**

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 30 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.
All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band.
The test was performed at 3 channels.

4.7. Antenna Measurement

■ **Limit**

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

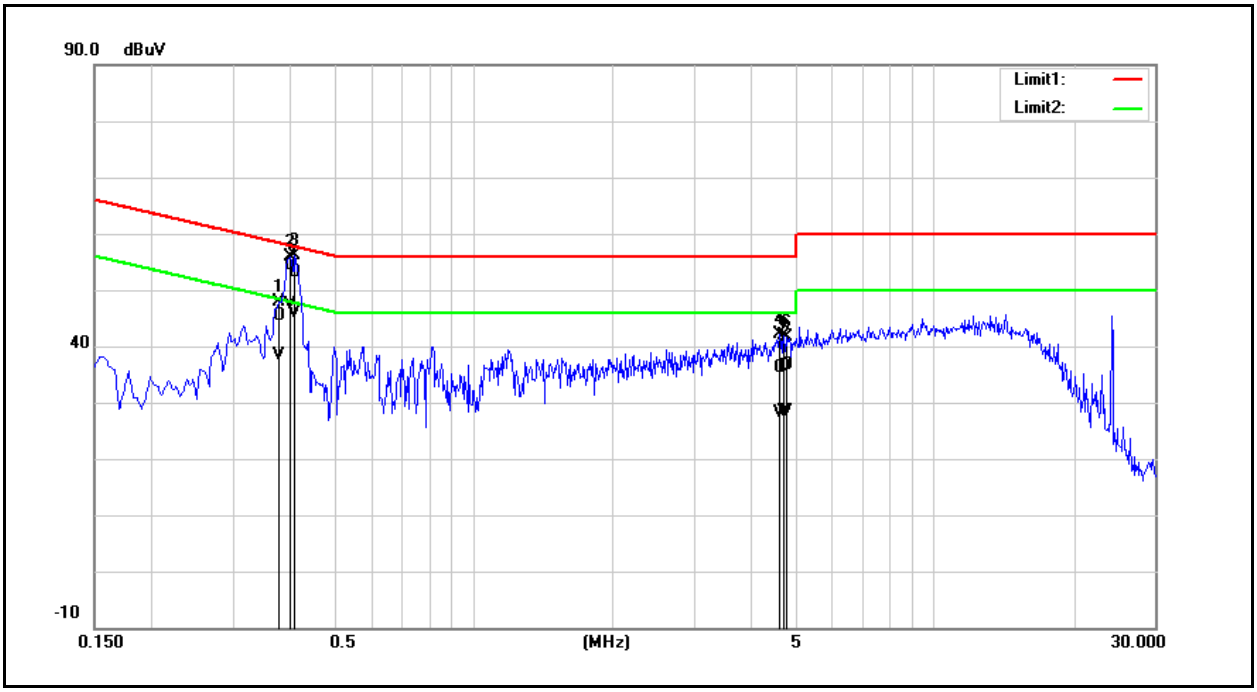
■ **Antenna Description**

See section 2 – antenna information.

5 Test Results

Annex A. Conducted Emission

Standard:	FCC Part 15.247	Line:	L1
Test Mode:	Mode 1	Power:	AC 120V/60Hz
		Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:			



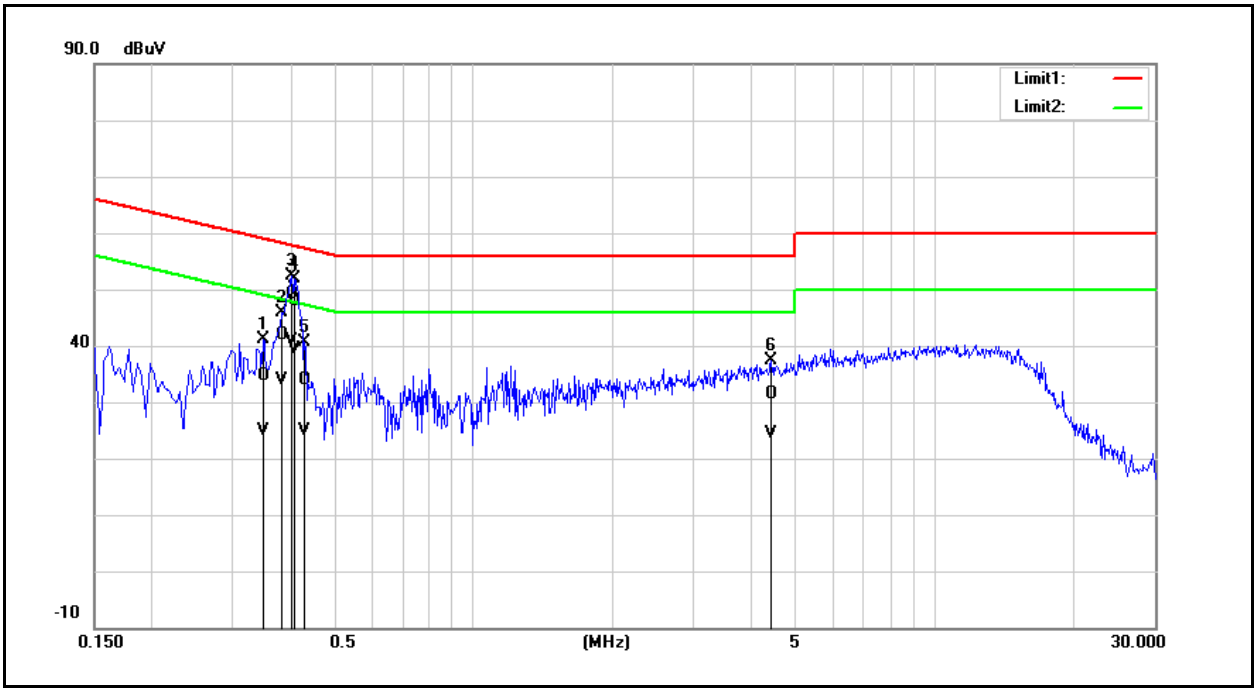
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3780	35.43	28.42	10.07	45.50	38.49	58.32	48.32	-12.82	-9.83	Pass
2	0.3980	44.43	37.42	10.05	54.48	47.47	57.90	47.90	-3.42	-0.43	Pass
3	0.4100	43.12	35.80	10.05	53.17	45.85	57.65	47.65	-4.48	-1.80	Pass
4	4.5980	26.04	18.10	10.13	36.17	28.23	56.00	46.00	-19.83	-17.77	Pass
5	4.7140	26.24	18.24	10.14	36.38	28.38	56.00	46.00	-19.62	-17.62	Pass
6	4.7780	26.41	18.20	10.15	36.56	28.35	56.00	46.00	-19.44	-17.65	Pass

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example:45.50=10.07+35.43

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.247	Line:	N
Test Mode:	Mode 1	Power:	AC 120V/60Hz
		Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3500	24.73	15.06	9.93	34.66	24.99	58.96	48.96	-24.30	-23.97	Pass
2	0.3820	31.84	23.94	9.94	41.78	33.88	58.24	48.24	-16.46	-14.36	Pass
3	0.4020	39.31	31.02	9.94	49.25	40.96	57.81	47.81	-8.56	-6.85	Pass
4	0.4100	37.99	29.56	9.94	47.93	39.50	57.65	47.65	-9.72	-8.15	Pass
5	0.4300	24.05	14.90	9.94	33.99	24.84	57.25	47.25	-23.26	-22.41	Pass
6	4.4260	21.16	14.18	10.15	31.31	24.33	56.00	46.00	-24.69	-21.67	Pass

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Annex B. Conducted Test Results

Maximum Conducted Output Power Measurement

ANT-0					
			Peak Output Power		
Test Mode	Data Rate (Mbps)	Frequency (MHz)	Measurement Results		Limit
			dBm	W	dBm
Mode 2	1	2412	21.36	0.137	≤ 30
		2437	21.15	0.130	≤ 30
		2462	21.34	0.136	≤ 30
Mode 3	6	2412	17.38	0.055	≤ 30
		2437	17.41	0.055	≤ 30
		2462	17.55	0.057	≤ 30
Mode 4	6.5	2412	18.53	0.071	≤ 30
		2437	18.51	0.071	≤ 30
		2462	18.65	0.073	≤ 30
Mode 5	13.5	2422	18.40	0.069	≤ 30
		2437	18.51	0.071	≤ 30
		2452	18.58	0.072	≤ 30

ANT-1					
			Peak Output Power		
Test Mode	Data Rate (Mbps)	Frequency (MHz)	Measurement Results		Limit
			dBm	W	dBm
Mode 2	1	2412	20.36	0.109	≤ 30
		2437	20.45	0.111	≤ 30
		2462	20.68	0.117	≤ 30
Mode 3	6	2412	18.25	0.067	≤ 30
		2437	18.30	0.068	≤ 30
		2462	18.38	0.069	≤ 30
Mode 4	6.5	2412	19.12	0.082	≤ 30
		2437	19.11	0.081	≤ 30
		2462	19.39	0.087	≤ 30
Mode 5	13.5	2422	18.32	0.068	≤ 30
		2437	18.35	0.068	≤ 30
		2452	18.44	0.070	≤ 30

Note: The relevant measured result has the offset with cable loss already.

ANT 0+1					
			Peak Output Power		
Test Mode	Data Rate (Mbps)	Frequency (MHz)	Measurement Results		Limit
			dBm	W	dBm
Mode 4	6.5	2412	21.85	0.153	≤ 30
		2437	21.83	0.152	≤ 30
		2462	22.05	0.160	≤ 30
Mode 5	13.5	2422	21.37	0.137	≤ 30
		2437	21.44	0.139	≤ 30
		2452	21.52	0.142	≤ 30

Note: The relevant measured result has the offset with cable loss already.

6dB RF Bandwidth Measurement

ANT-0

Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 2	2412	10050	> 500
	2437	9778	> 500
	2462	10030	> 500
Mode 3	2412	15010	> 500
	2437	15100	> 500
	2462	15100	> 500
Mode 4	2412	15090	> 500
	2437	15040	> 500
	2462	15100	> 500
Mode 5	2422	35060	> 500
	2437	35060	> 500
	2452	35080	> 500

ANT-1

Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 2	2412	10040	> 500
	2437	10010	> 500
	2462	10040	> 500
Mode 3	2412	15090	> 500
	2437	15090	> 500
	2462	15060	> 500
Mode 4	2412	15700	> 500
	2437	15680	> 500
	2462	15670	> 500
Mode 5	2422	35040	> 500
	2437	35020	> 500
	2452	33200	> 500

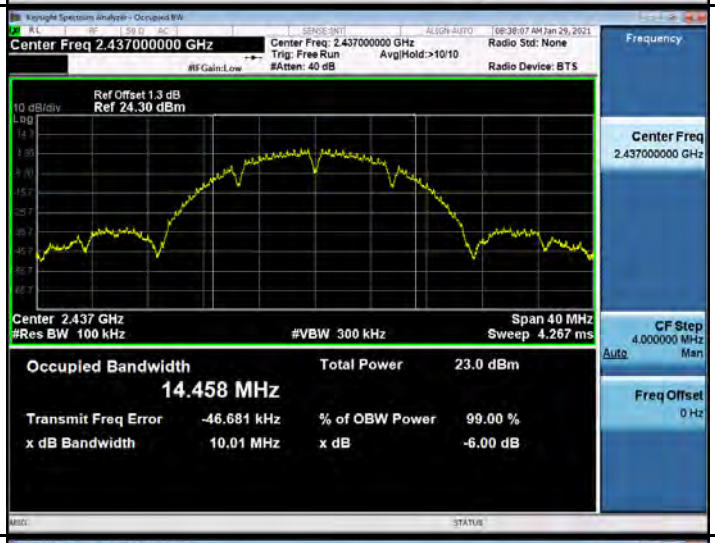
■ **Test Graphs**

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

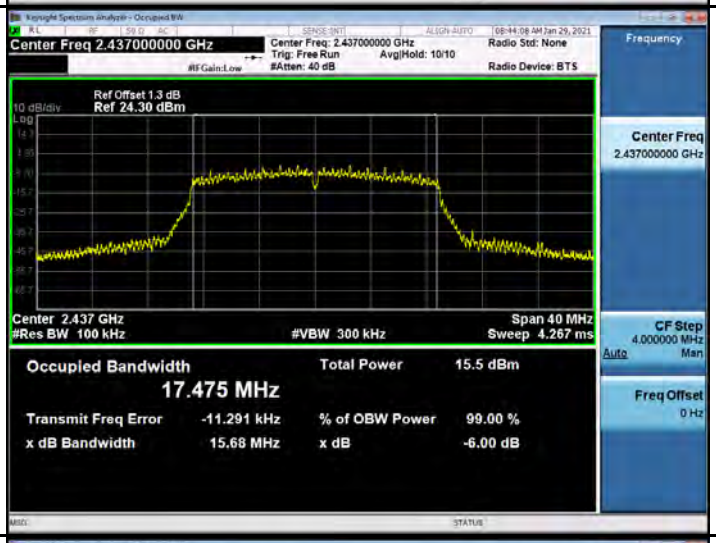
Mode 3: IEEE 802.11g Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

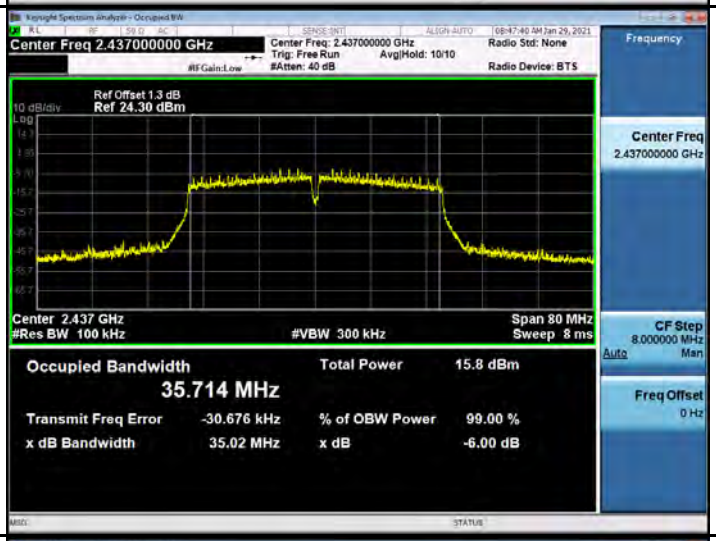
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-0			
2422 MHz			
2437 MHz			
2452 MHz			

Mode 2: IEEE 802.11b Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

Mode 3: IEEE 802.11g Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

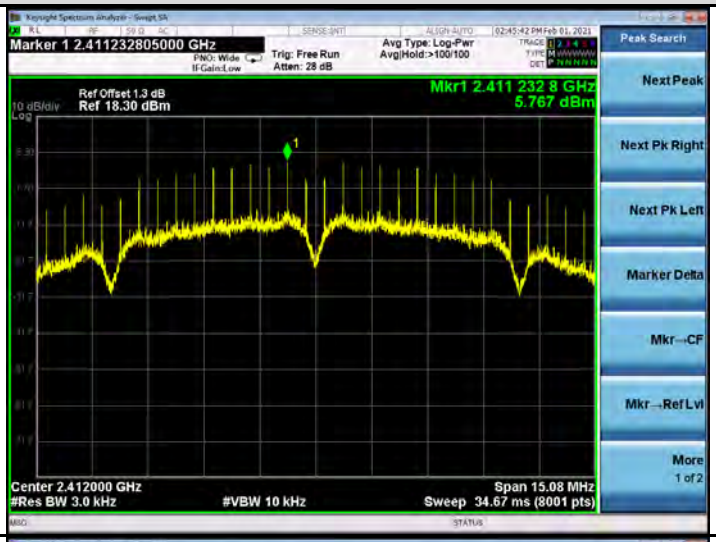
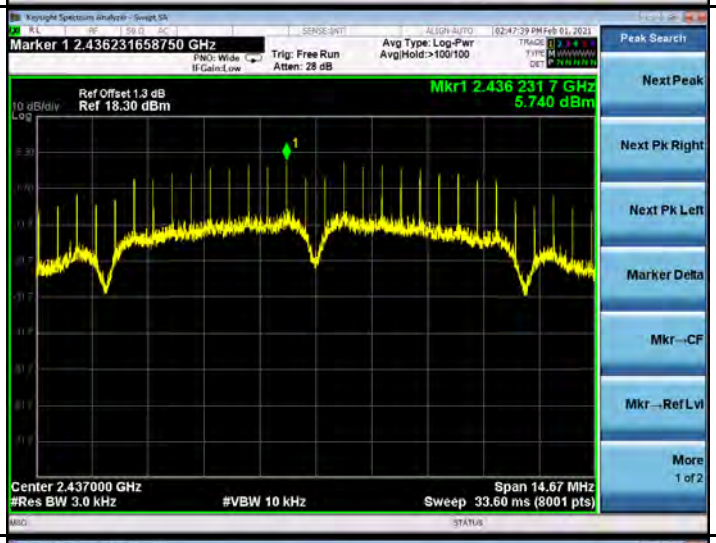
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-1			
2422 MHz			
2437 MHz			
2452 MHz			

Maximum Power Spectral Density Measurement

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3KHz)	Limit (dBm/3KHz)
Mode 2	2412	6.921	< 8
	2437	6.894	< 8
	2462	7.080	< 8
Mode 3	2412	-15.197	< 8
	2437	-14.873	< 8
	2462	-14.790	< 8
Mode 4	2412	-12.929	< 8
	2437	-13.099	< 8
	2462	-13.079	< 8
Mode 5	2422	-16.693	< 8
	2437	-16.223	< 8
	2452	-15.802	< 8

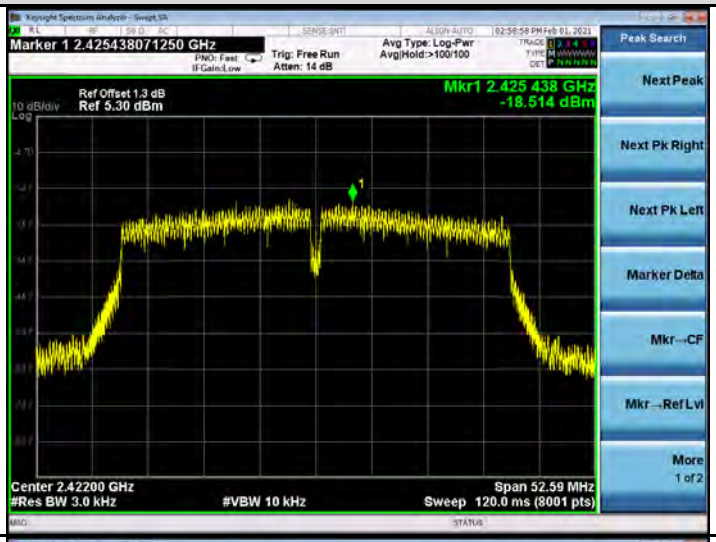
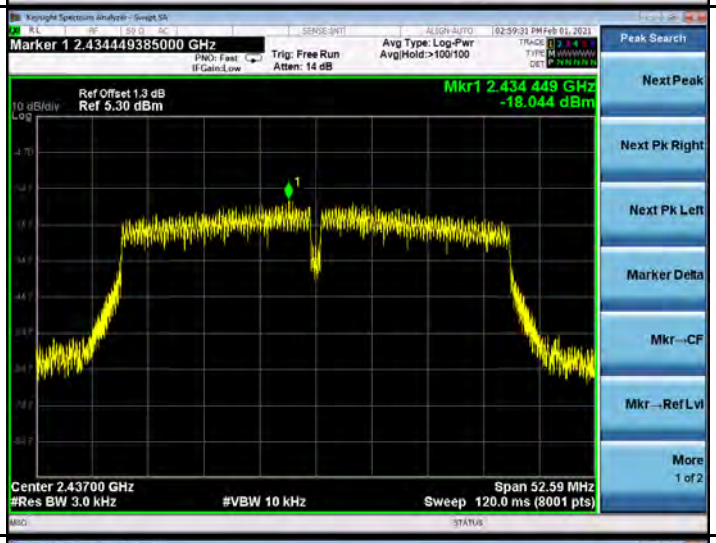
ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3KHz)	Limit (dBm/3KHz)
Mode 2	2412	6.782	< 8
	2437	6.771	< 8
	2462	6.954	< 8
Mode 3	2412	-14.561	< 8
	2437	-13.953	< 8
	2462	-14.007	< 8
Mode 4	2412	-13.203	< 8
	2437	-12.456	< 8
	2462	-12.025	< 8
Mode 5	2422	-16.373	< 8
	2437	-16.792	< 8
	2452	-16.339	< 8

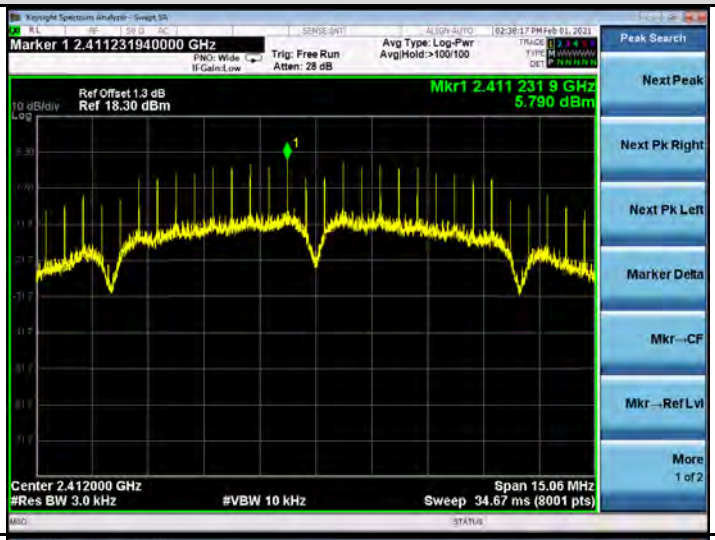
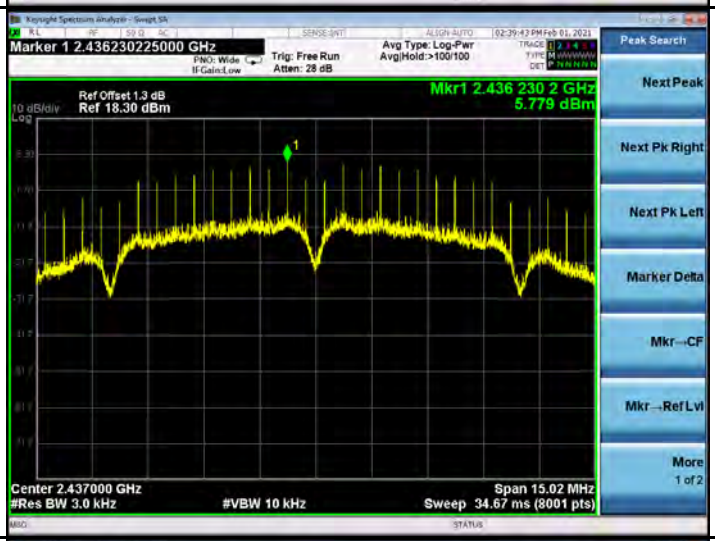
■ **Test Graphs**

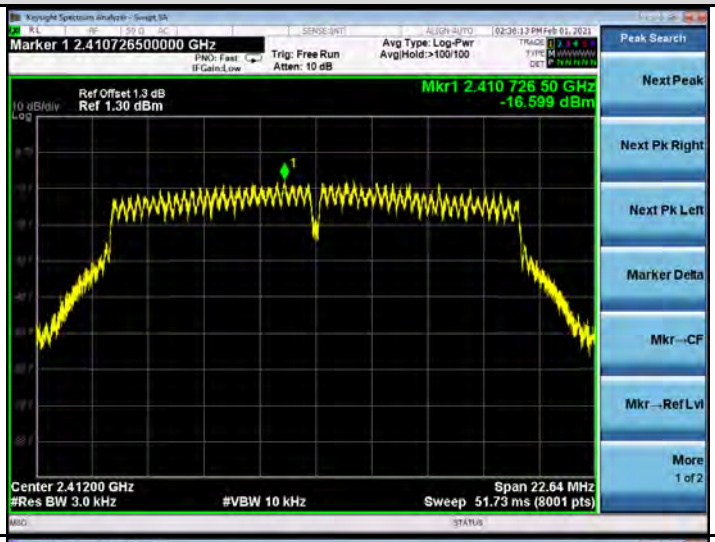
Mode 2: IEEE 802.11b Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

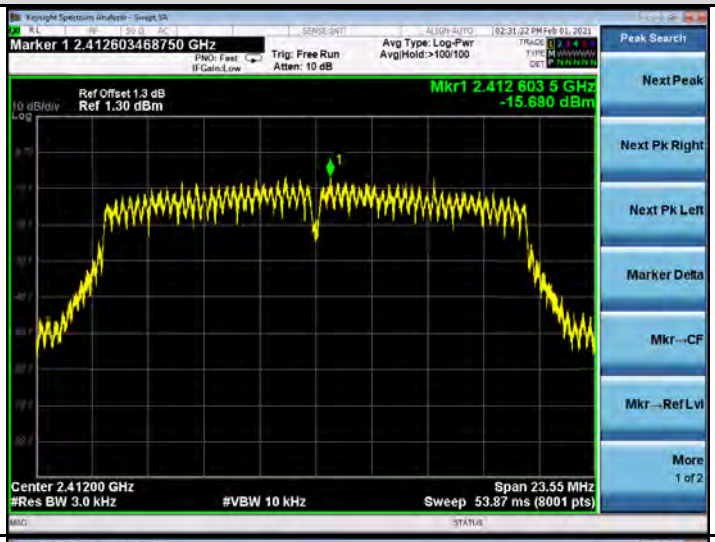
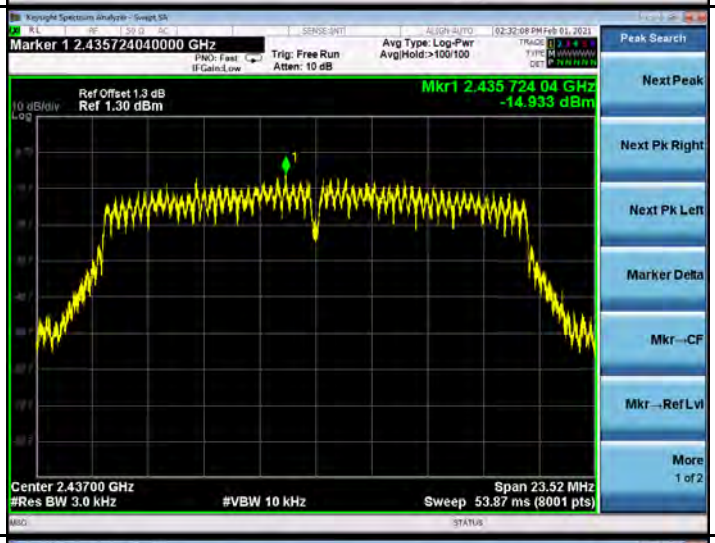
Mode 3: IEEE 802.11g Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

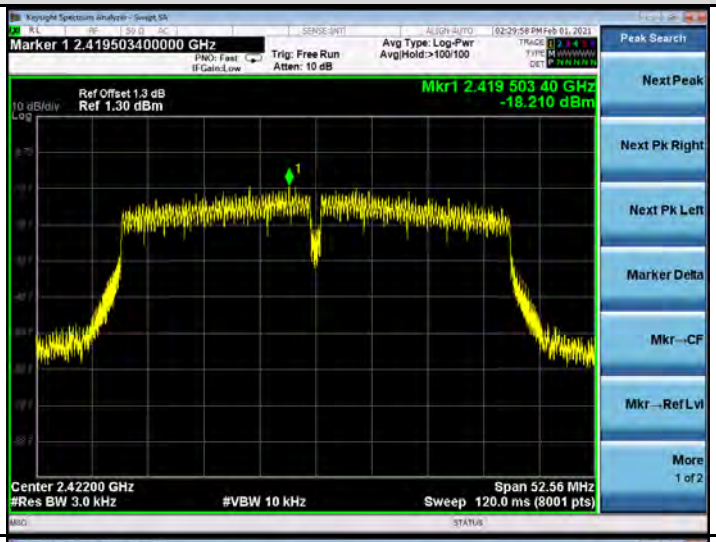
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-0			
2422 MHz			
2437 MHz			
2452 MHz			

Mode 2: IEEE 802.11b Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

Mode 3: IEEE 802.11g Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

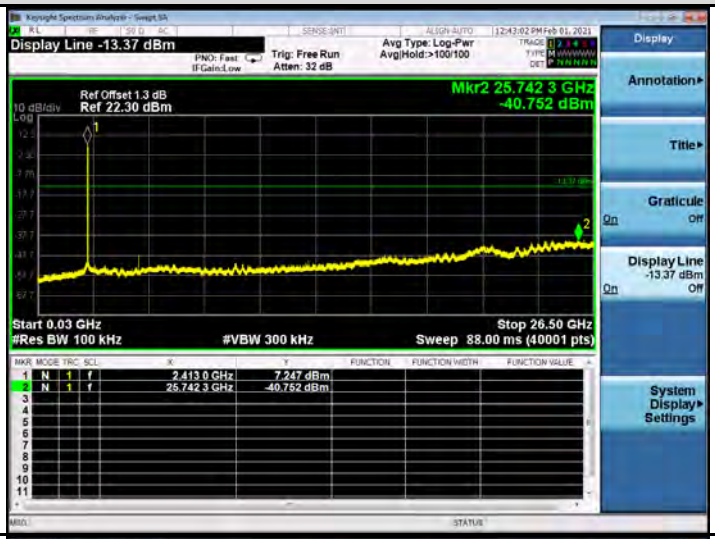
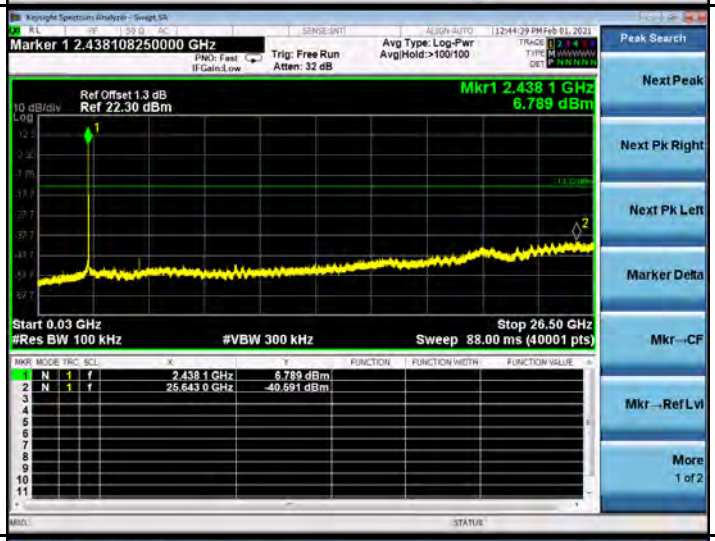
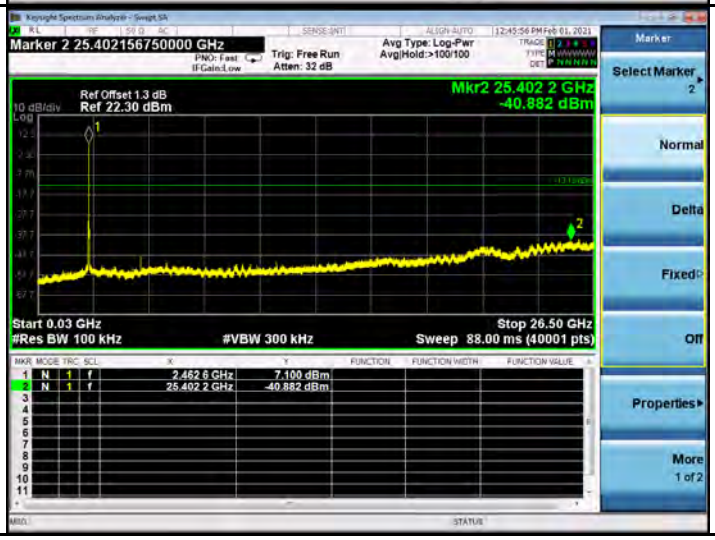
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

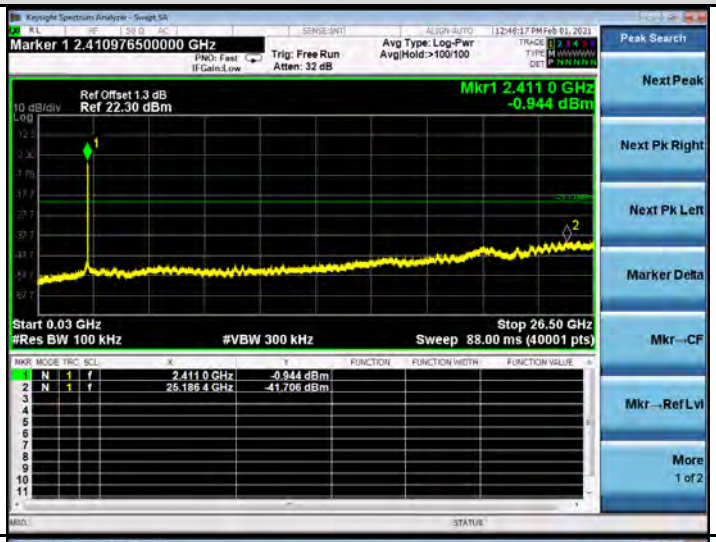
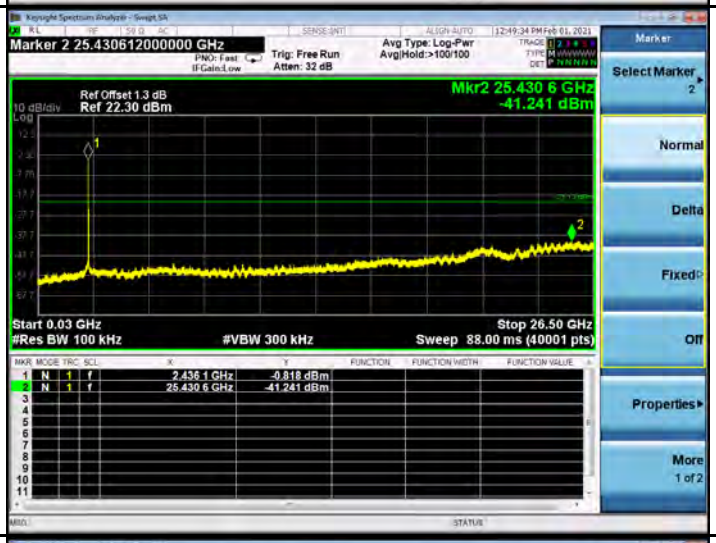
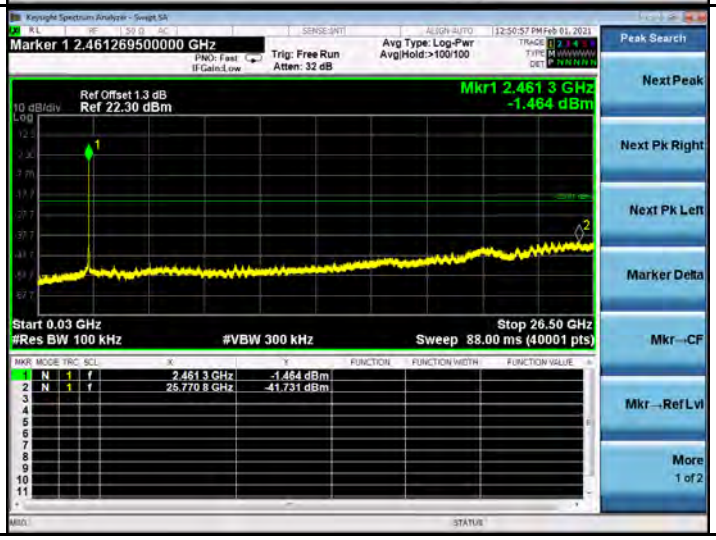
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-1			
2422 MHz			
2437 MHz			
2452 MHz			

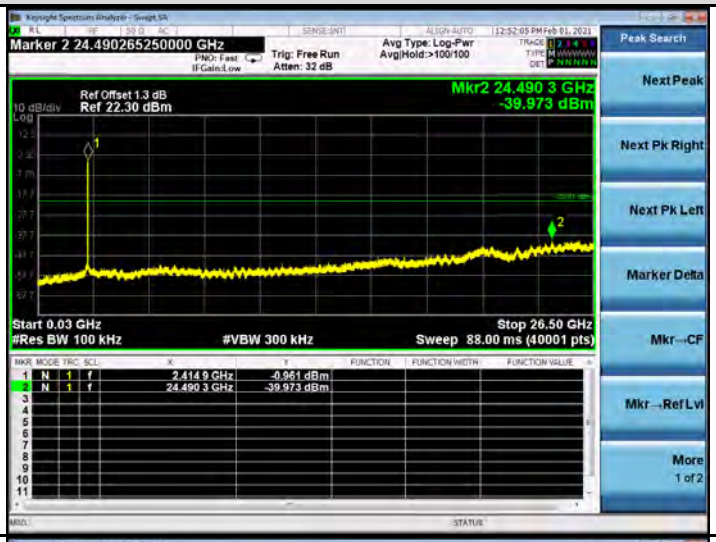
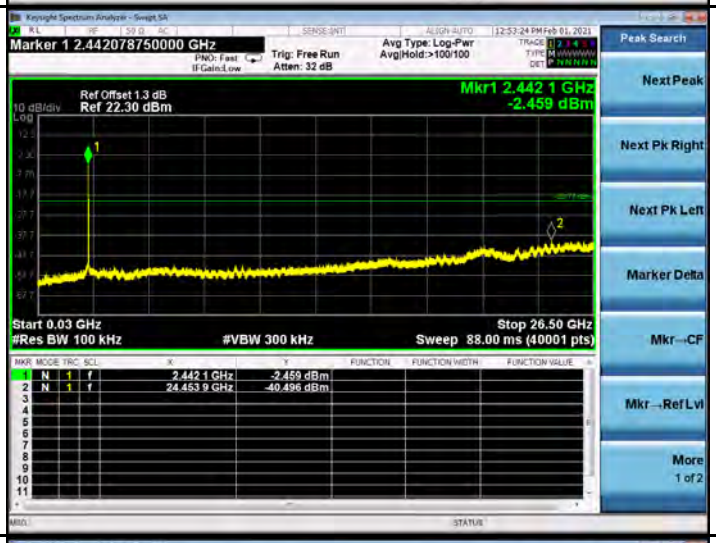
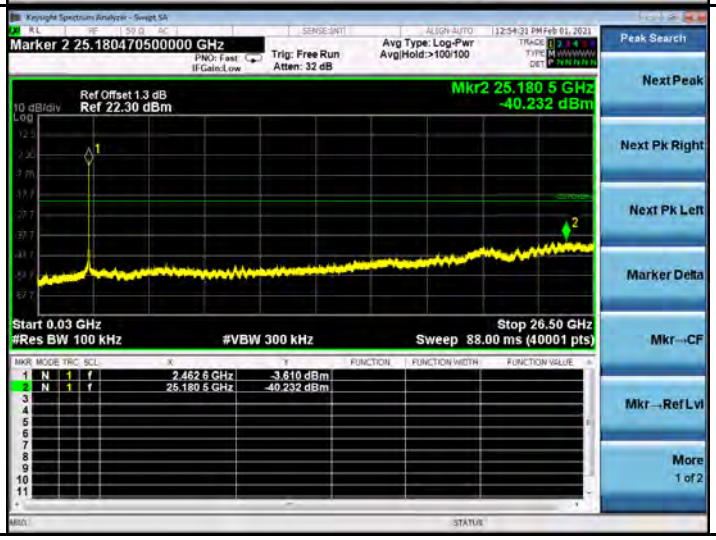
Out of Band Conducted Emissions Measurement

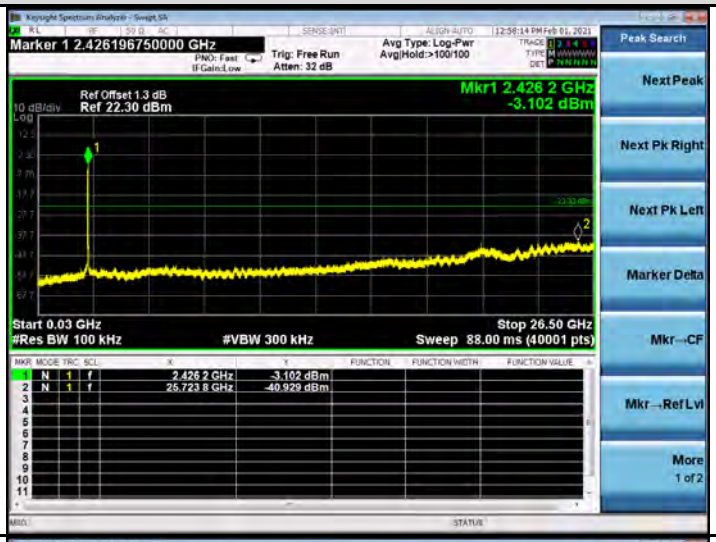
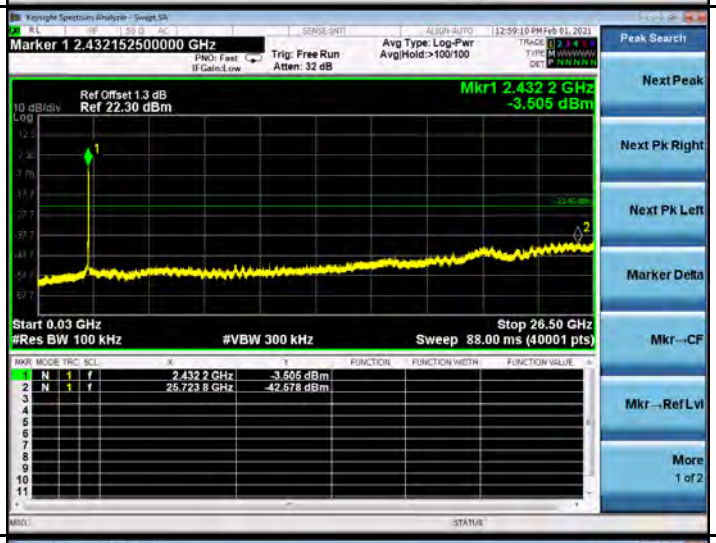
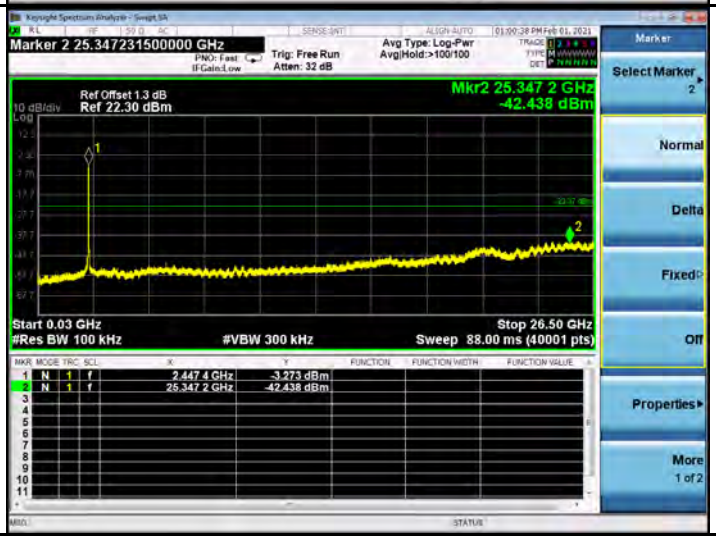
■ **Test Graphs**

Reference level

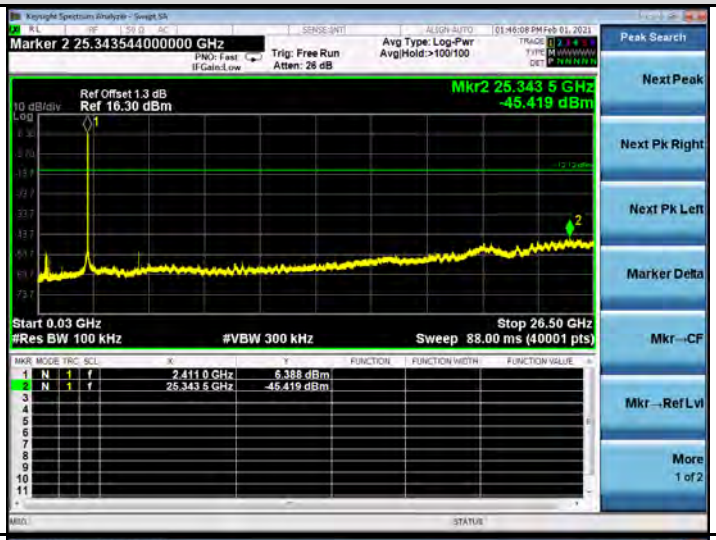
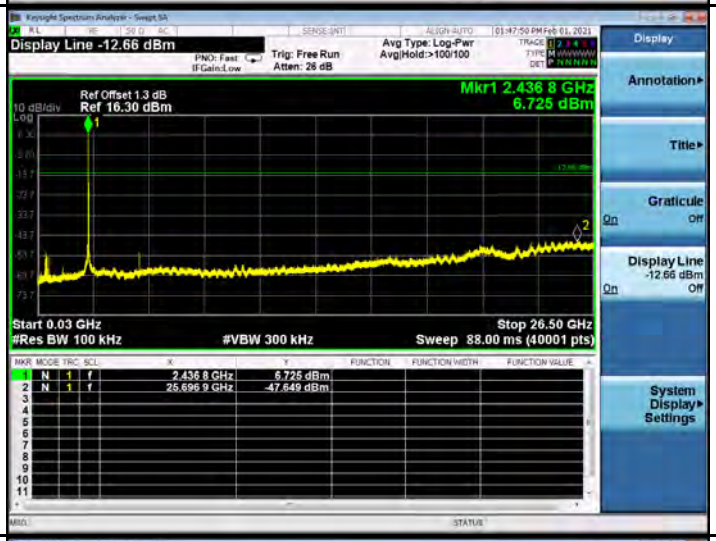
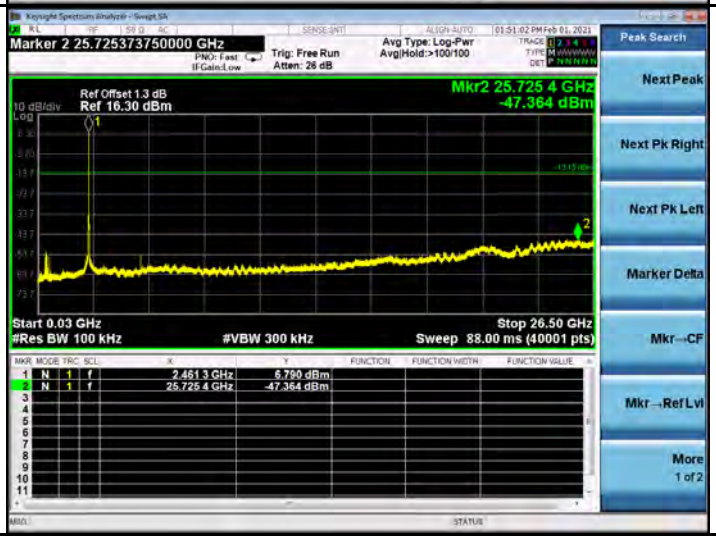
Mode 2: IEEE 802.11b Continuous TX mode_ANT-0		
2412 MHz		
2437 MHz		
2462 MHz		

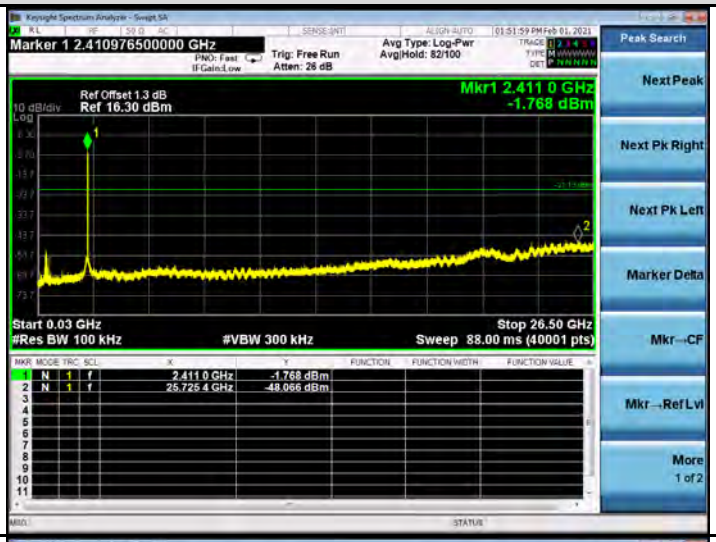
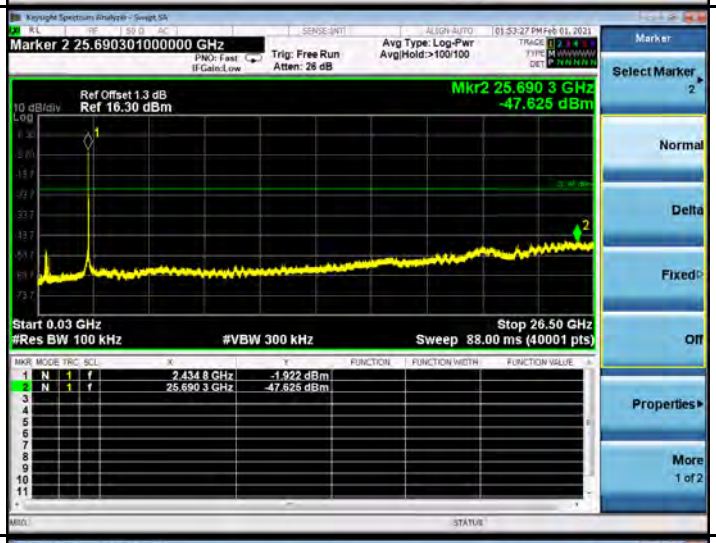
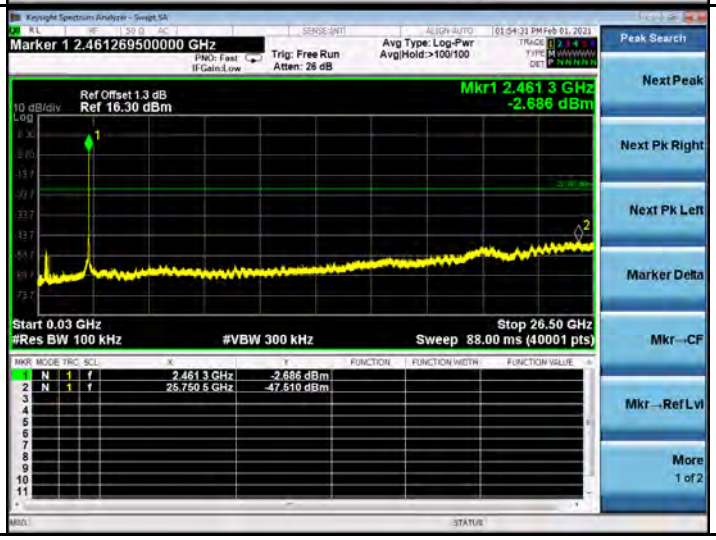
Mode 3: IEEE 802.11g Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

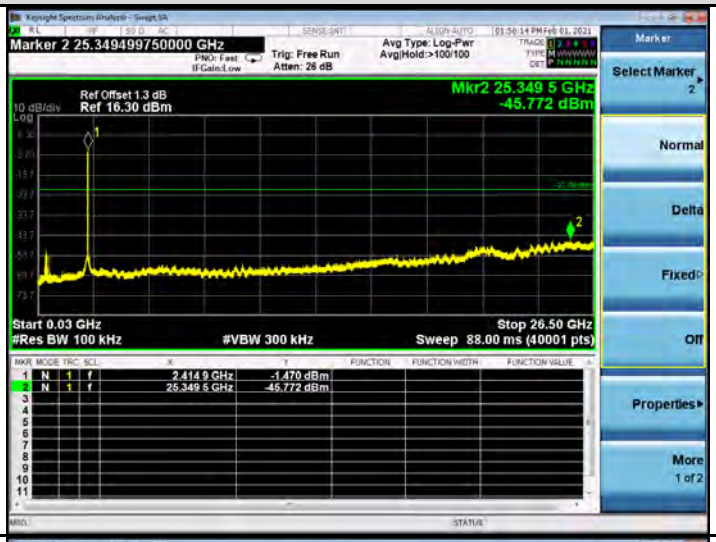
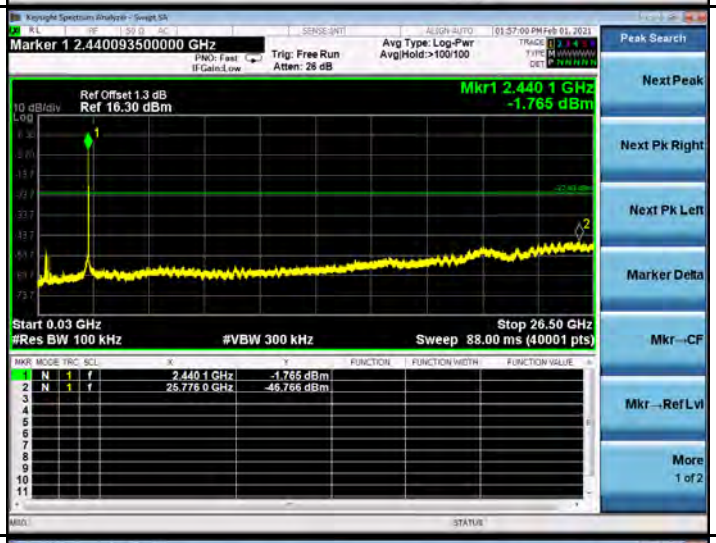
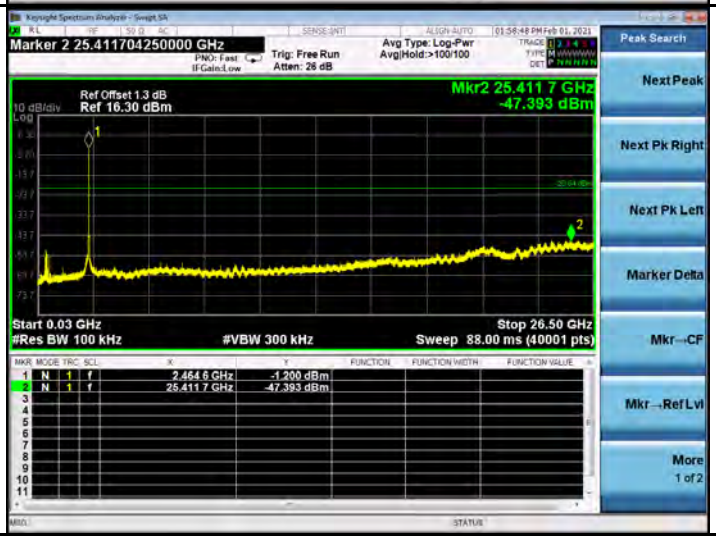
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-0			
2412 MHz			
2437 MHz			
2462 MHz			

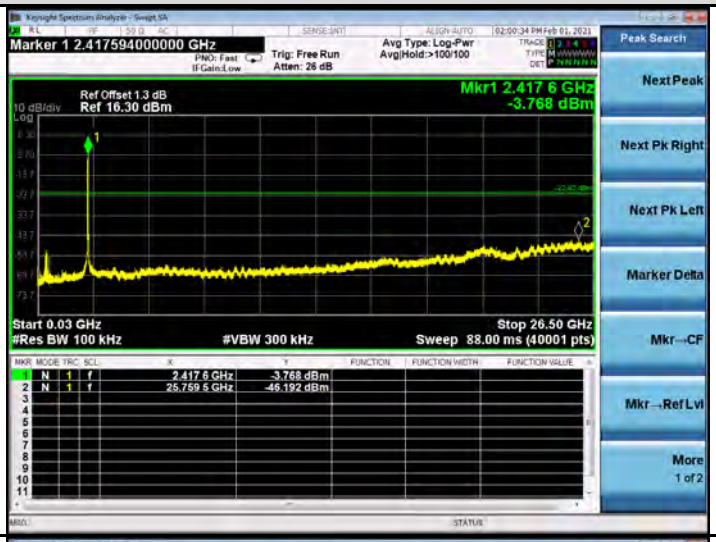
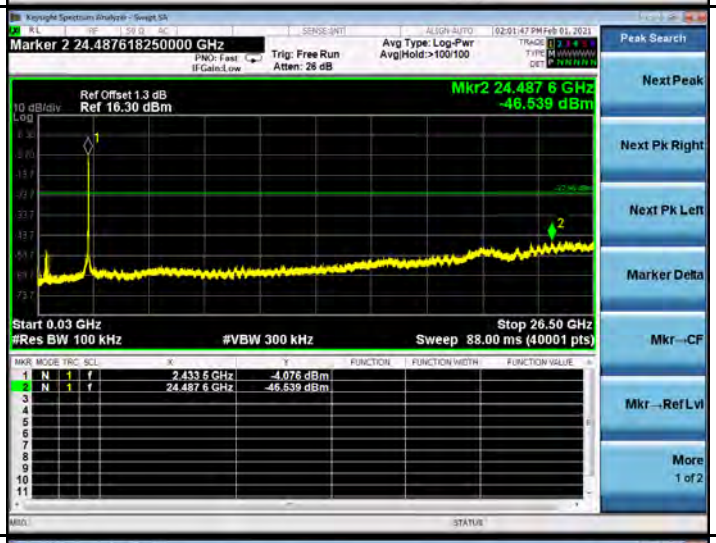
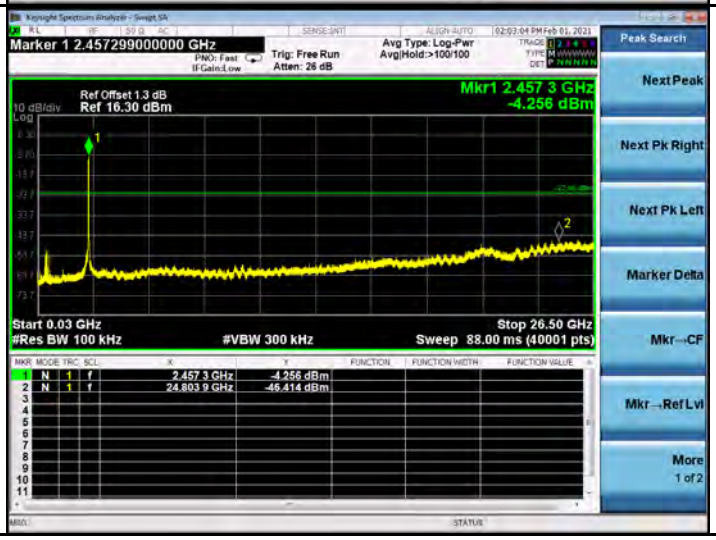
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-0			
2422 MHz			
2437 MHz			
2452 MHz			

Out of Band Conducted Emissions

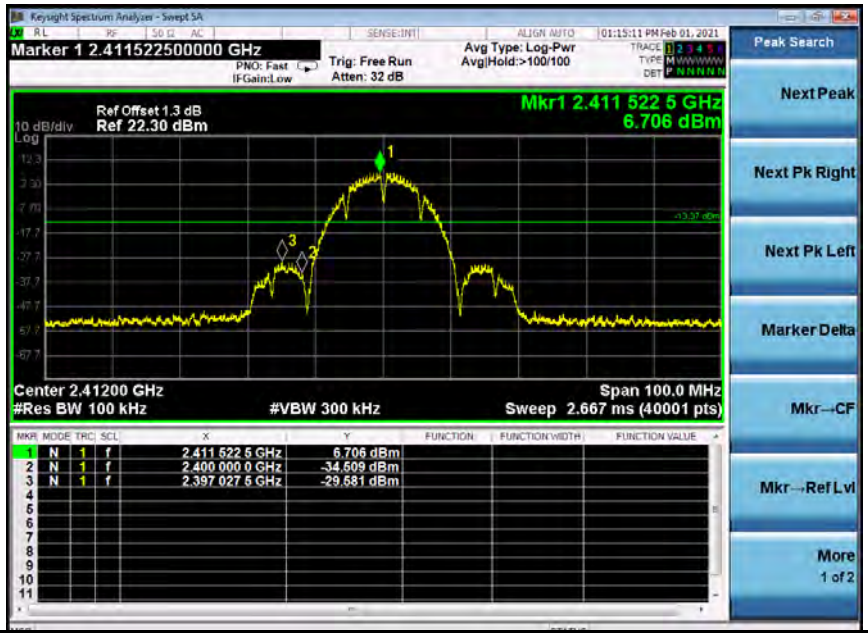
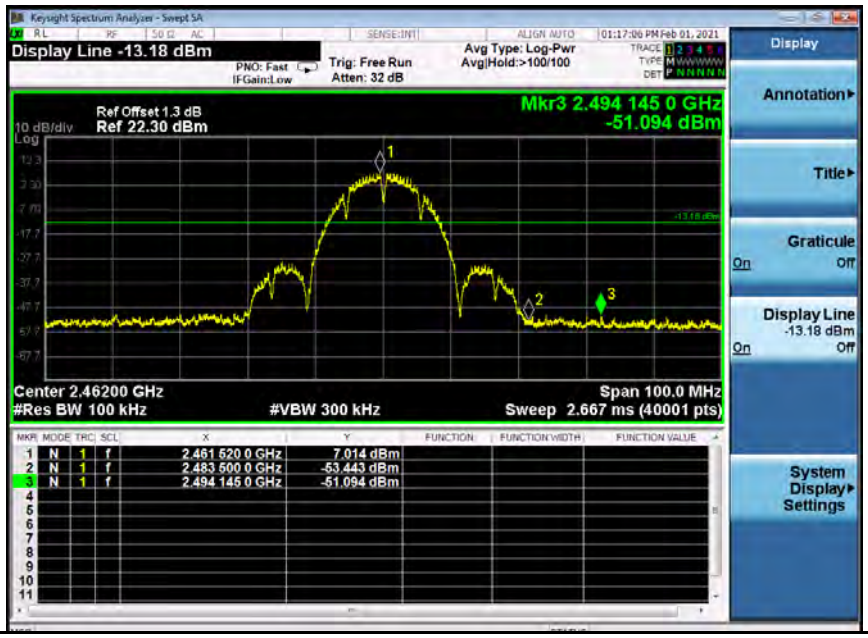
Mode 2: IEEE 802.11b Continuous TX mode_ANT-1		
2412 MHz		
2437 MHz		
2462 MHz		

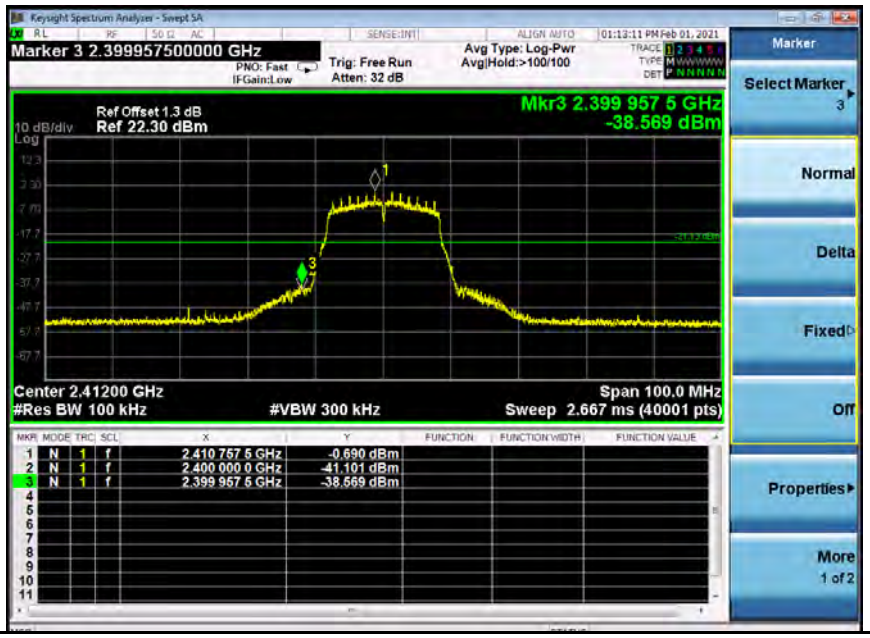
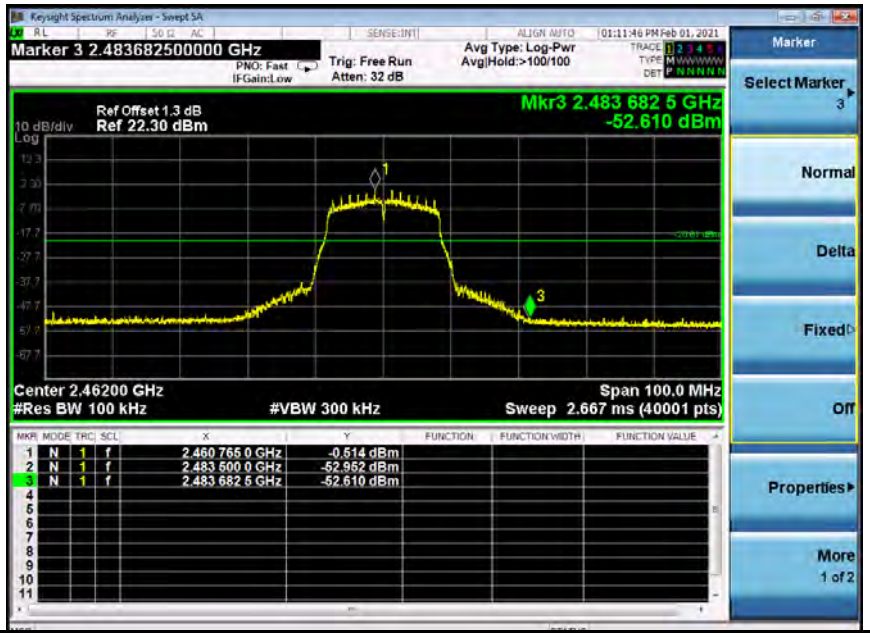
Mode 3: IEEE 802.11g Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

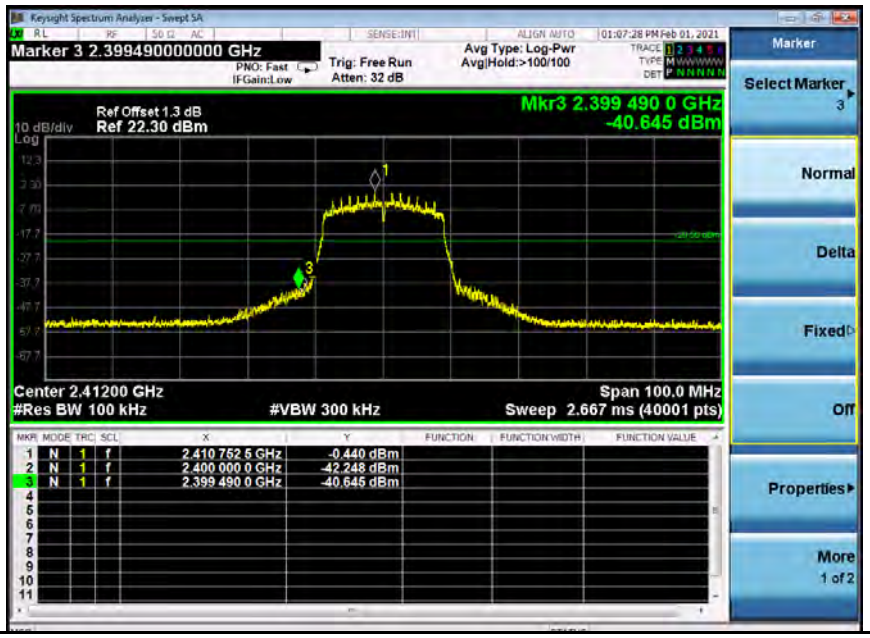
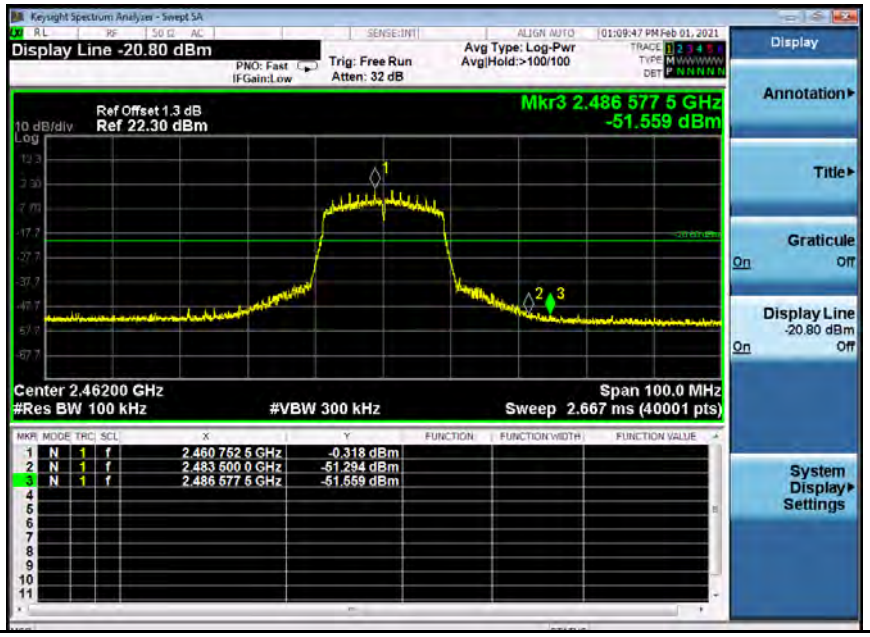
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

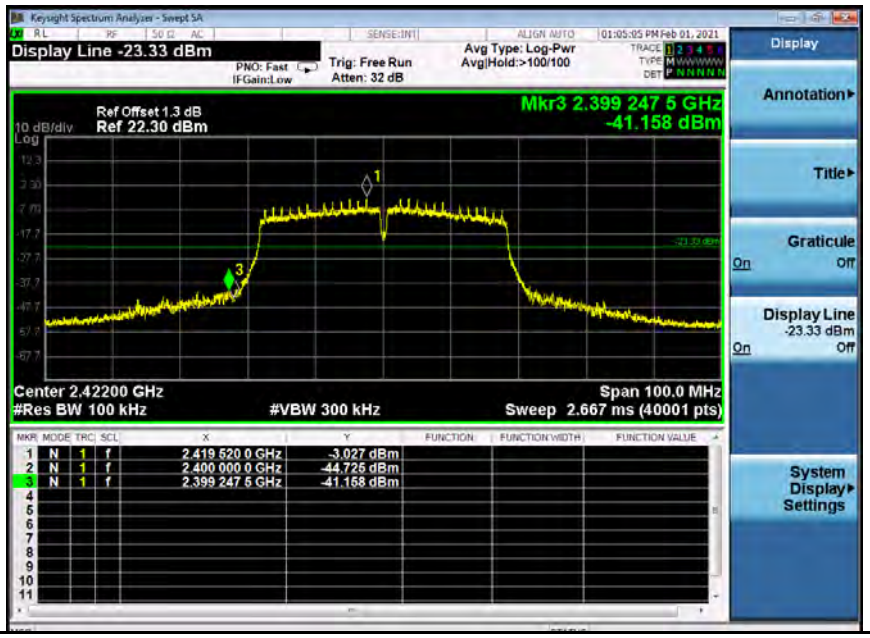
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-1			
2422 MHz			
2437 MHz			
2452 MHz			

Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0	
2412 MHz	
2462 MHz	

Mode 3: IEEE 802.11g Continuous TX mode_ANT-0	
2412 MHz	
2462 MHz	

Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-0	
2412 MHz	
2462 MHz	

Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-0	
2422 MHz	
2452 MHz	

Reference level

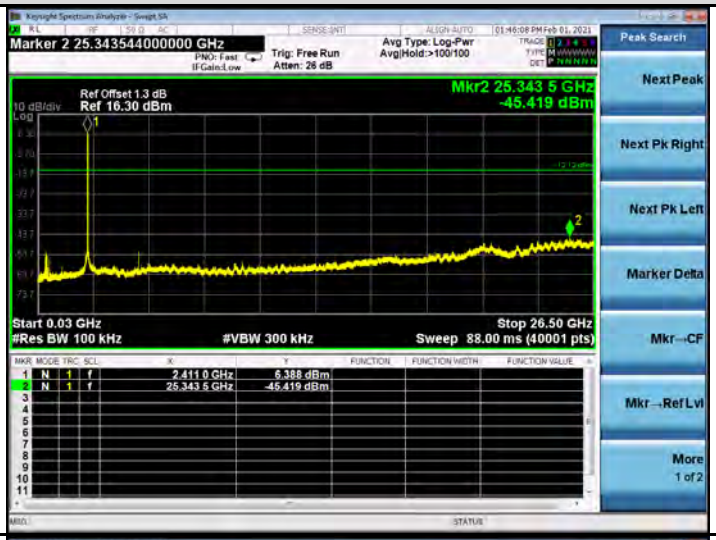
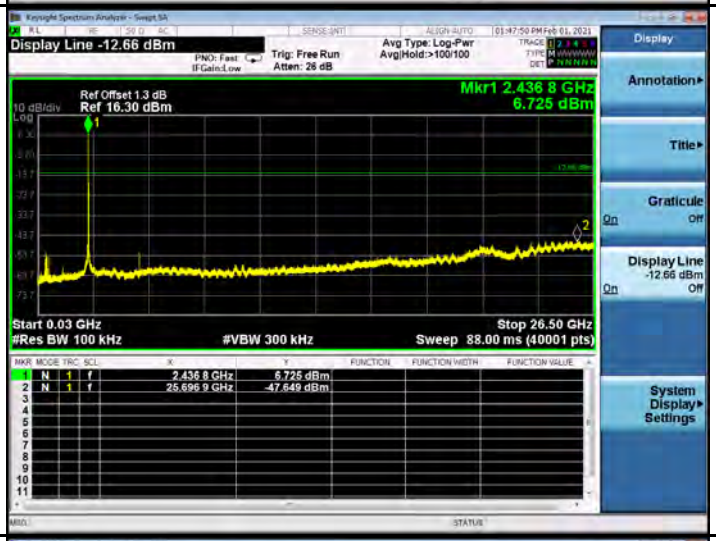
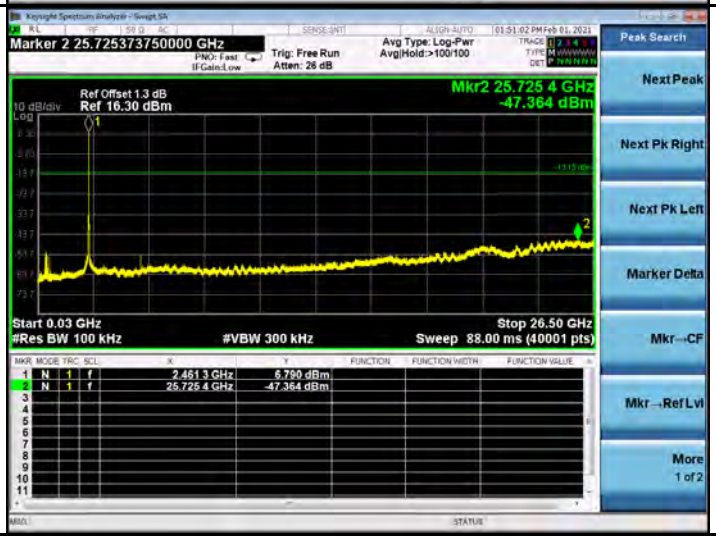
Mode 2: IEEE 802.11b Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

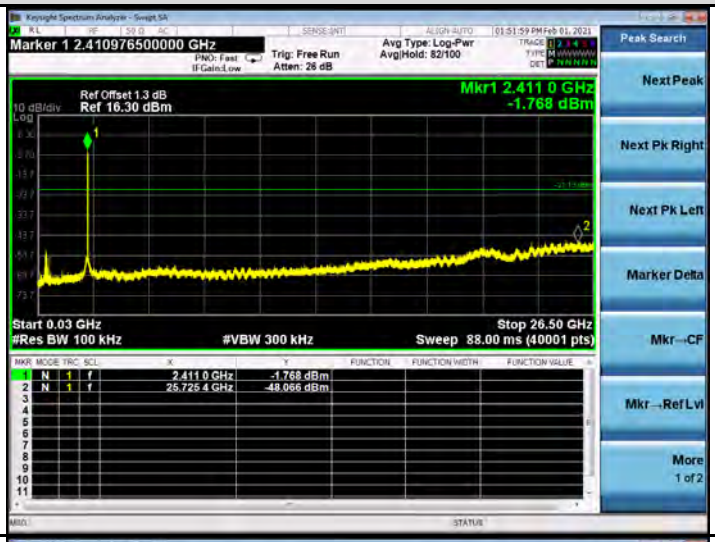
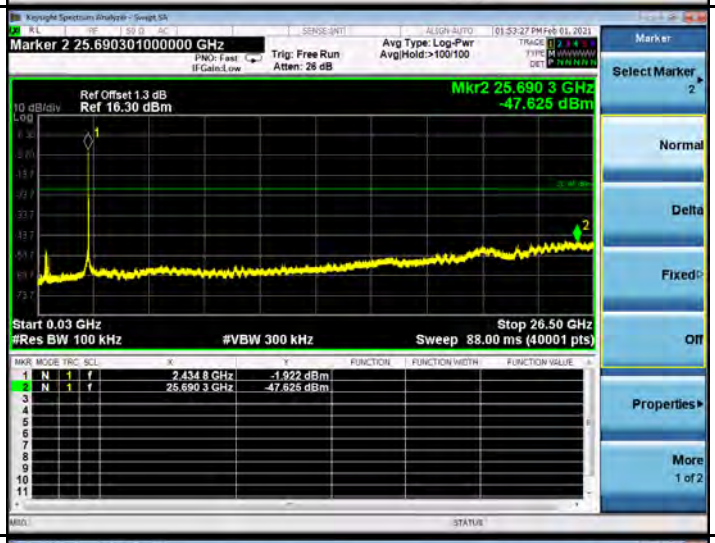
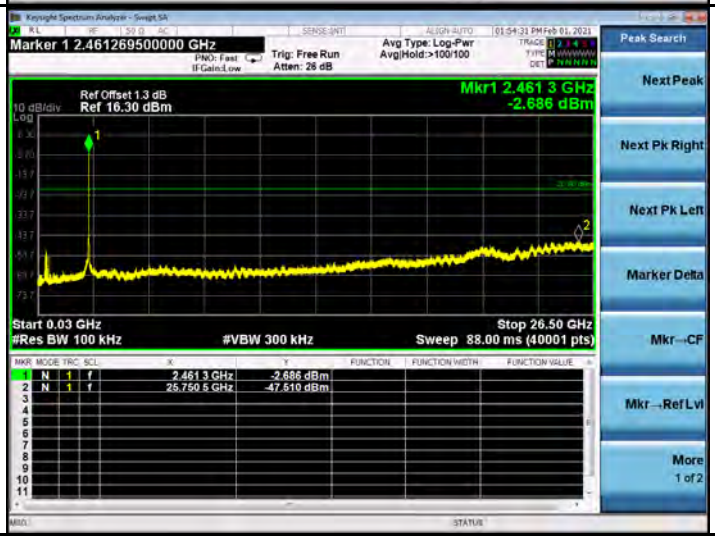
Mode 3: IEEE 802.11g Continuous TX mode_ ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

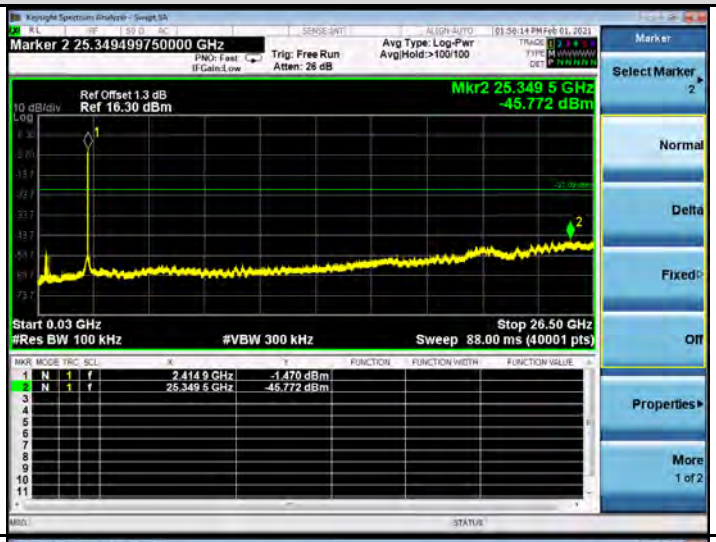
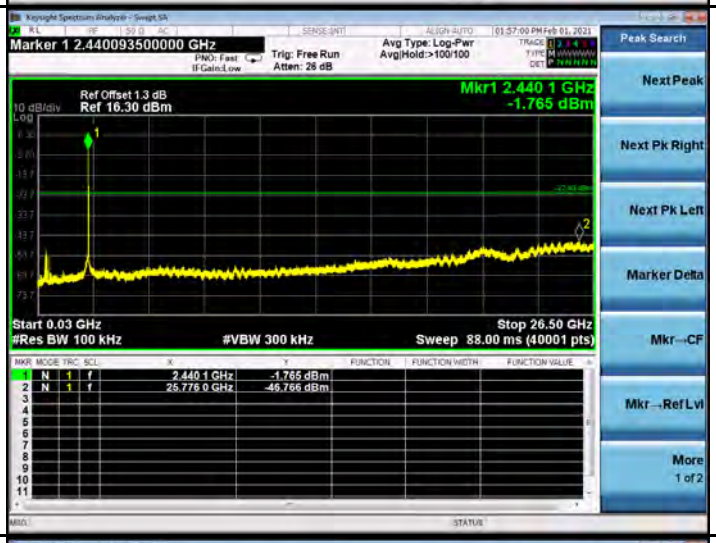
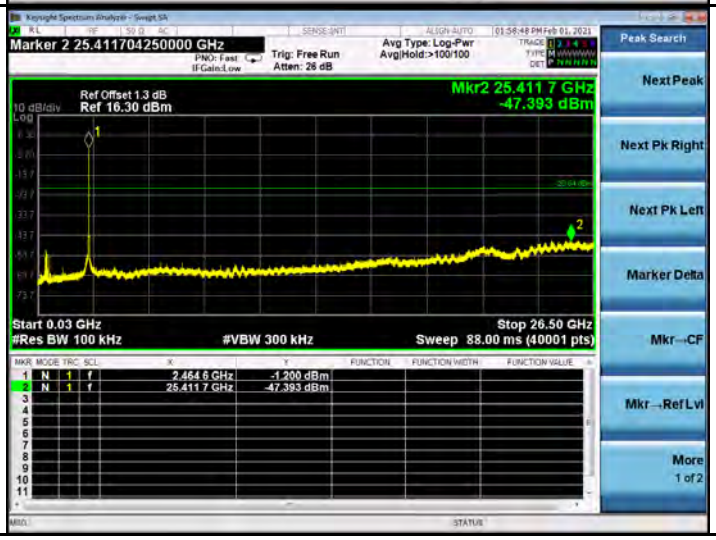
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

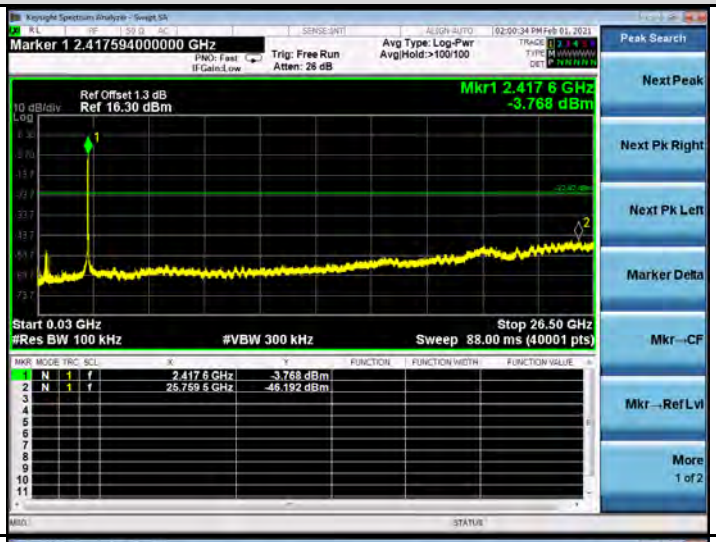
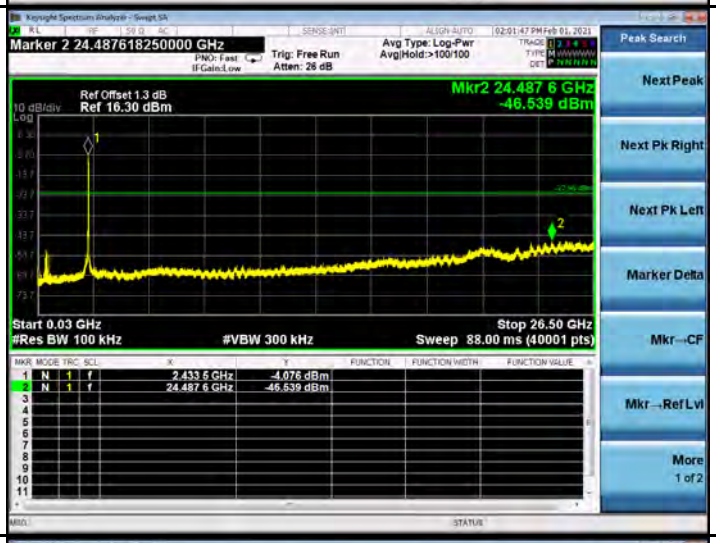
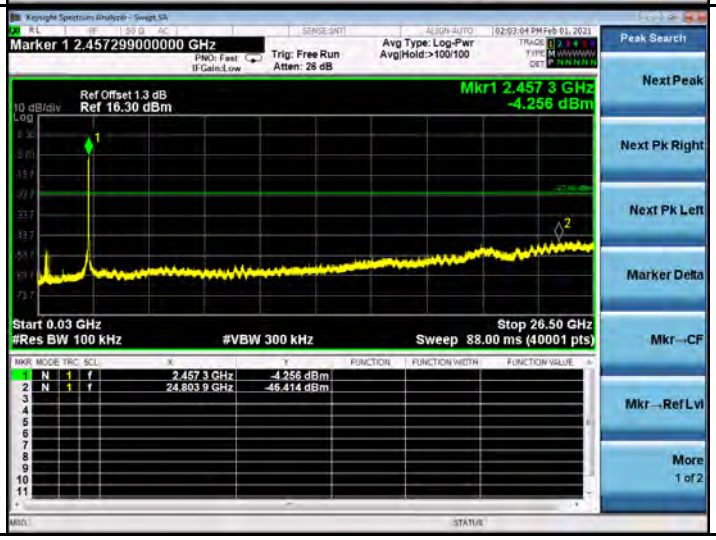
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ ANT-1			
2422 MHz			
2437 MHz			
2452 MHz			

Out of Band Conducted Emissions

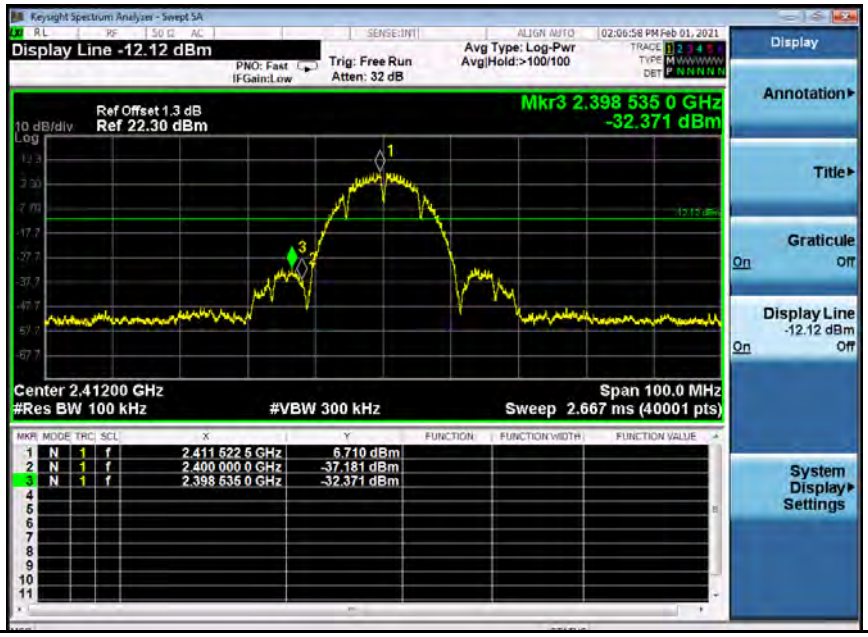
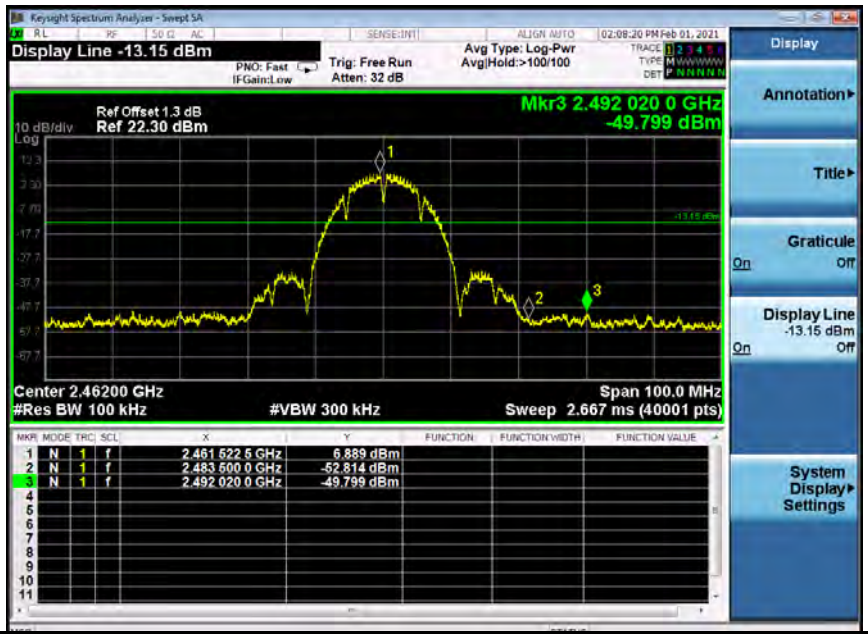
Mode 2: IEEE 802.11b Continuous TX mode_ANT-1		
2412 MHz		
2437 MHz		
2462 MHz		

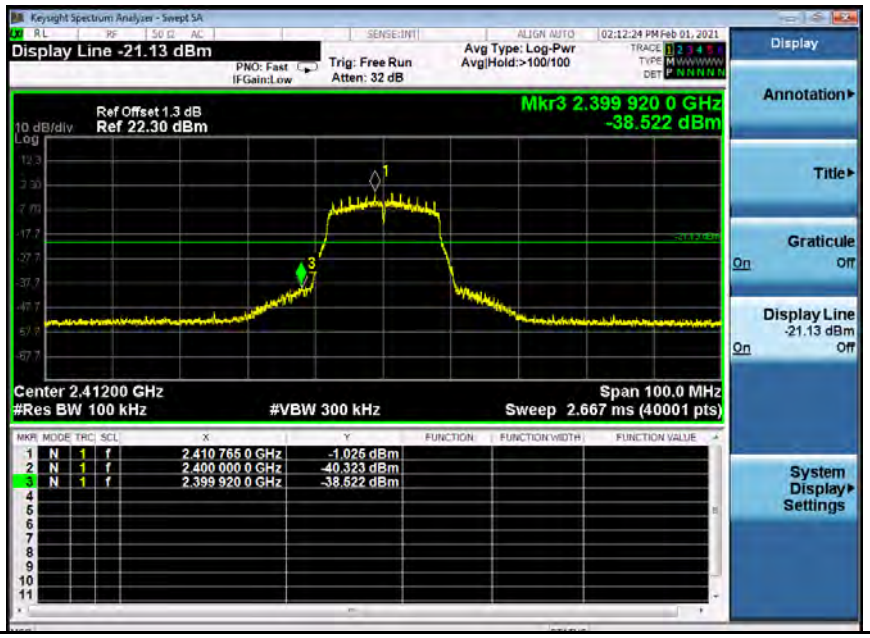
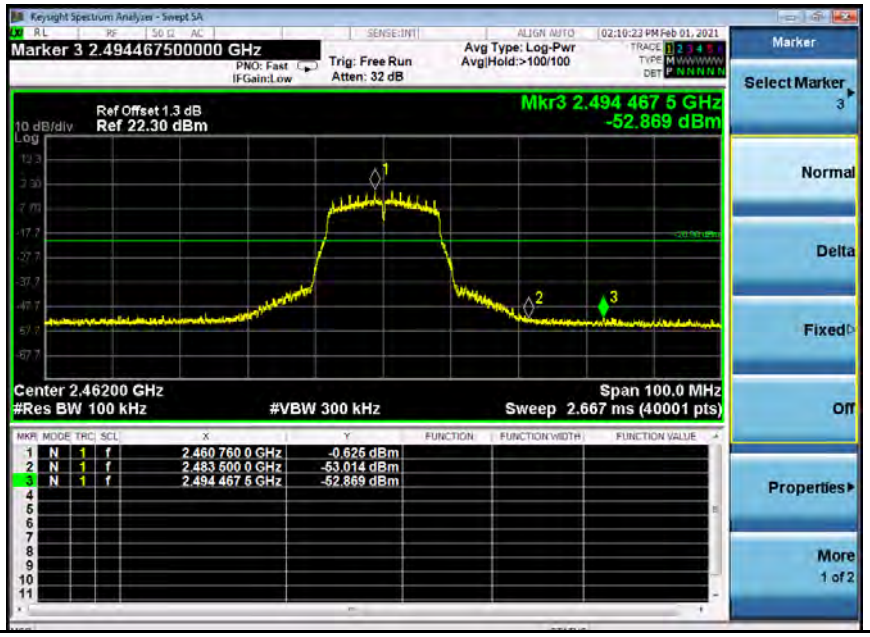
Mode 3: IEEE 802.11g Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

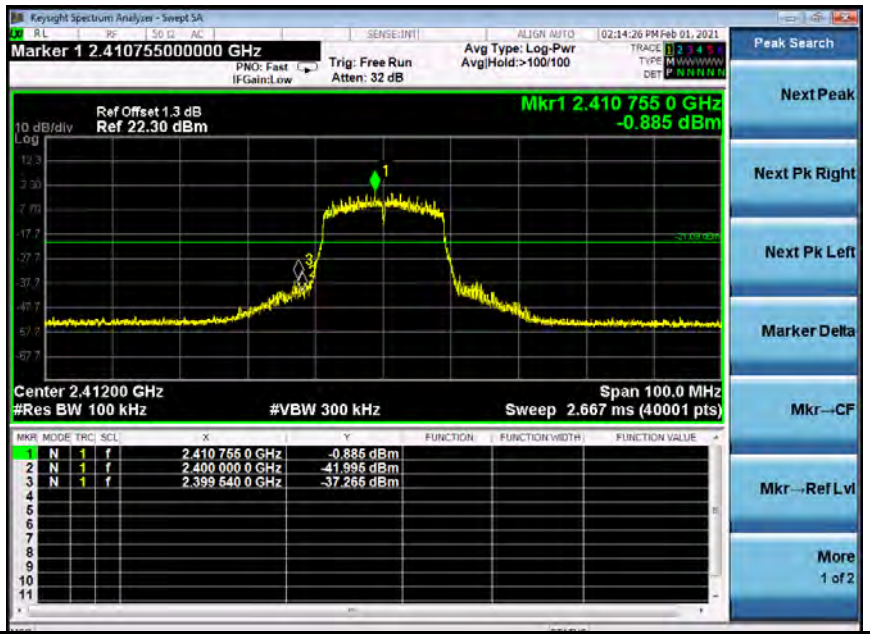
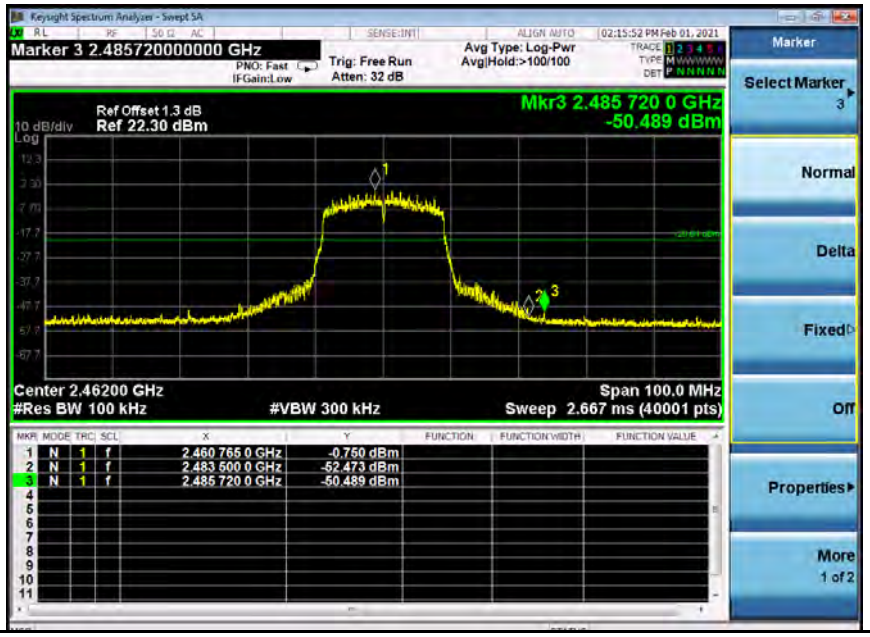
Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-1			
2412 MHz			
2437 MHz			
2462 MHz			

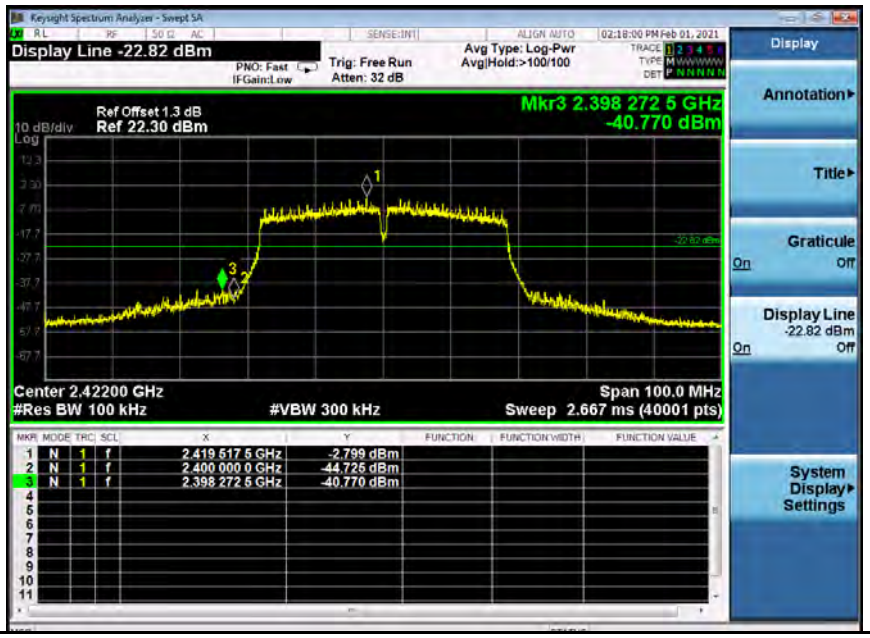
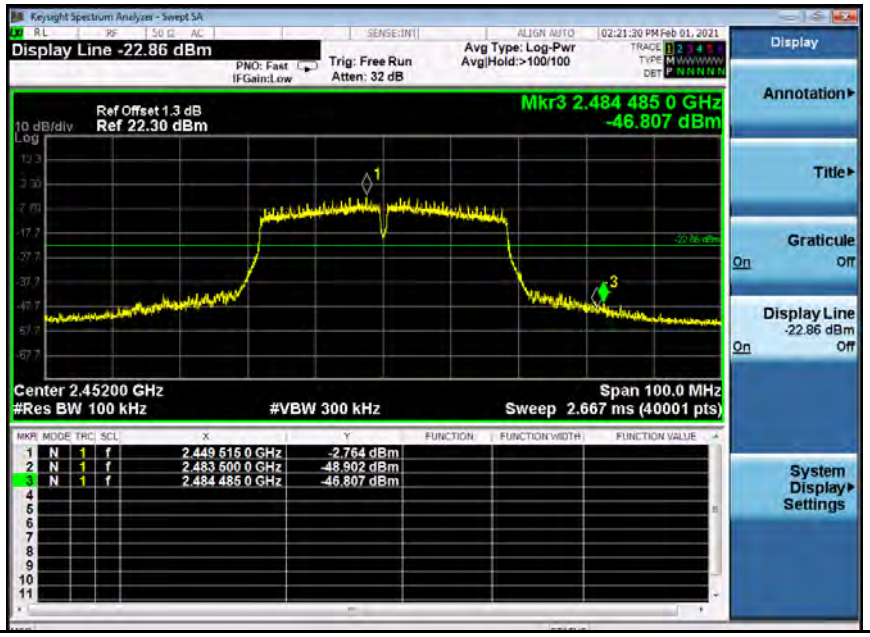
Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-1			
2422 MHz			
2437 MHz			
2452 MHz			

Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode_ANT-1	
2412 MHz	
2462 MHz	

Mode 3: IEEE 802.11g Continuous TX mode_ANT-1	
2412 MHz	
2462 MHz	

Mode 4: IEEE 802.11n 2.4GHz 20MHz Continuous TX mode_ANT-1	
2412 MHz	
2462 MHz	

Mode 5: IEEE 802.11n 2.4GHz 40MHz Continuous TX mode_ANT-1	
2422 MHz	
2452 MHz	

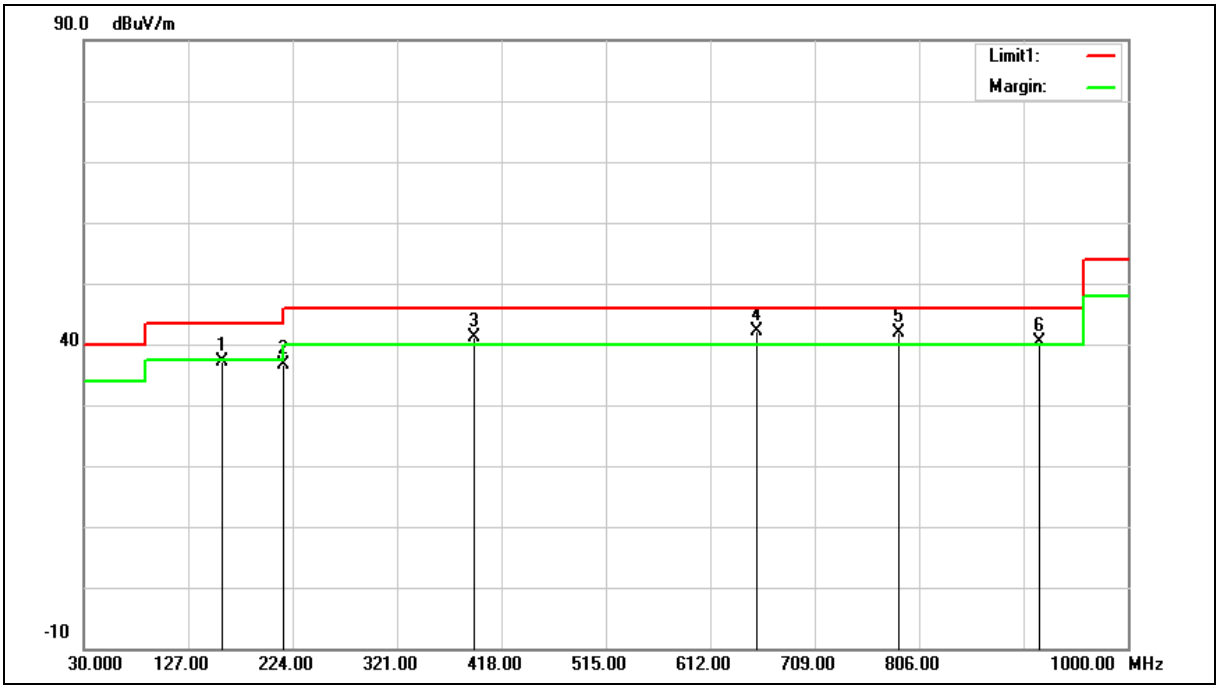
Annex C. Radiated Emission Test Results

Harmonic

Below 1GHz

Note: data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	159.0100	47.84	-10.60	37.24	43.50	-6.26	QP
2	215.2700	51.16	-14.65	36.51	43.50	-6.99	QP
3	392.7800	49.19	-8.13	41.06	46.00	-4.94	QP
4	655.6500	44.34	-2.09	42.25	46.00	-3.75	QP
5	786.6000	41.80	0.08	41.88	46.00	-4.12	QP
6	917.5500	39.18	1.19	40.37	46.00	-5.63	QP

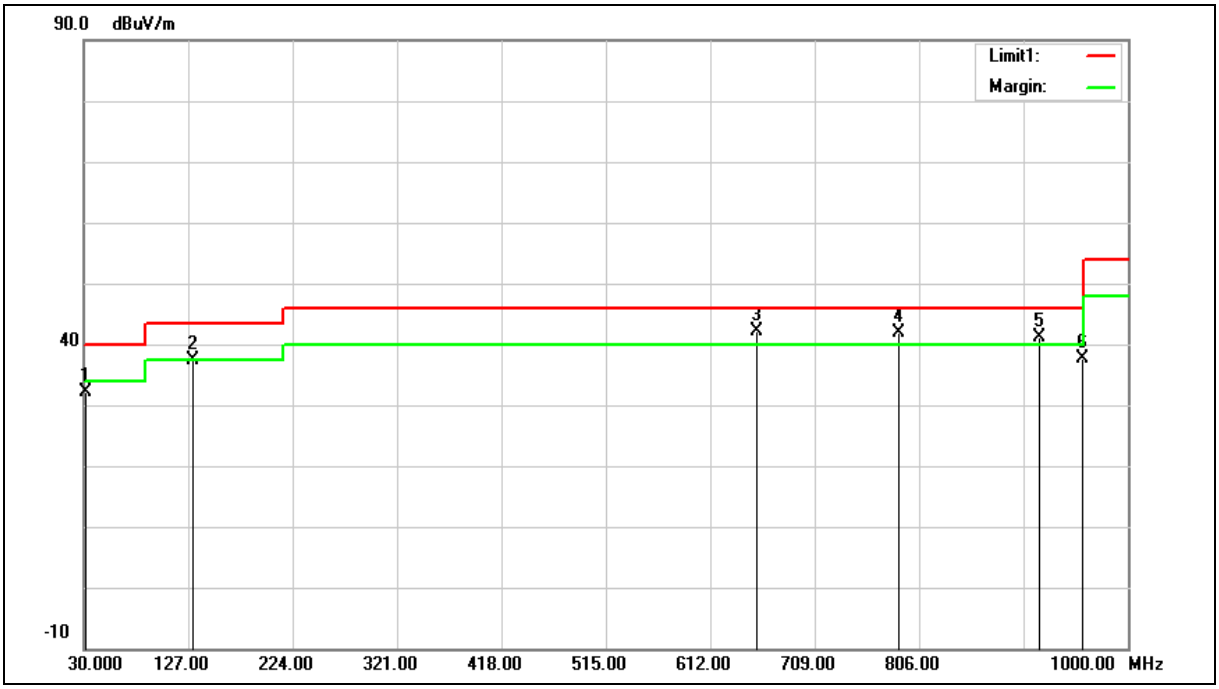
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 37.24=-10.60+47.84

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	44.79	-12.74	32.05	40.00	-7.95	QP
2	130.8800	49.36	-11.97	37.39	43.50	-6.11	QP
3	655.6500	44.10	-2.09	42.01	46.00	-3.99	QP
4	786.6000	41.75	0.08	41.83	46.00	-4.17	QP
5	917.5500	39.88	1.19	41.07	46.00	-4.93	QP
6	958.2900	36.07	1.56	37.63	46.00	-8.37	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

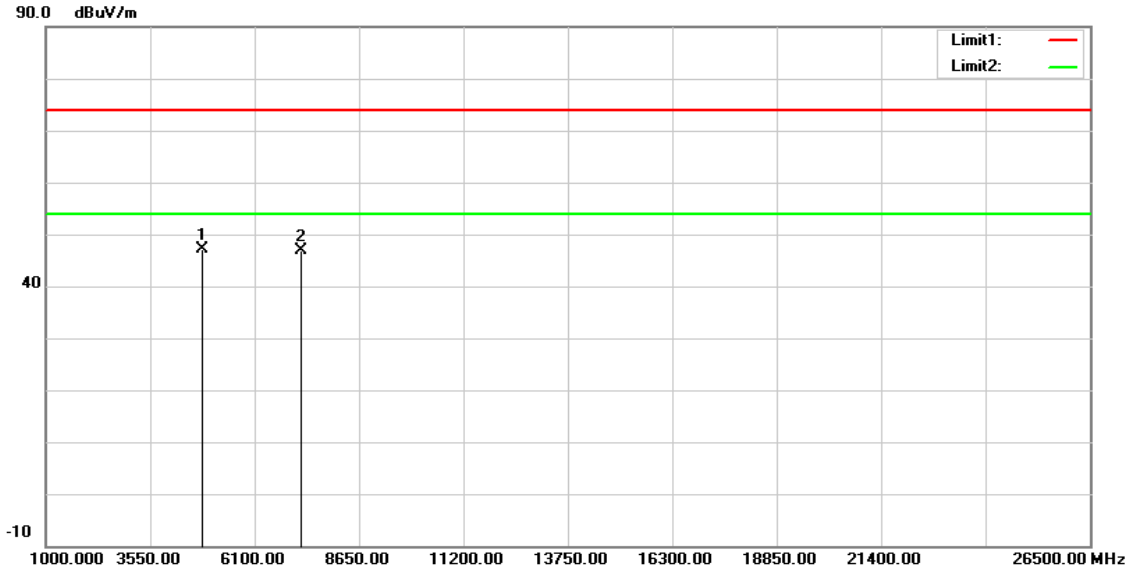
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Above 1GHz

ANT-0

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



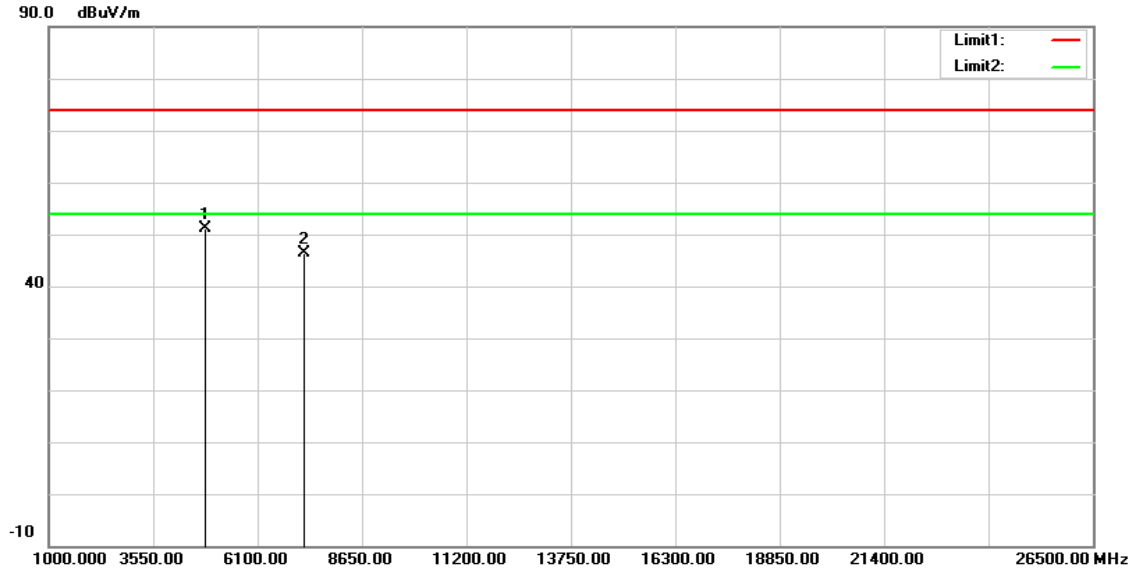
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	52.74	-5.54	47.20	74.00	-26.80	peak
2	7236.000	48.14	-1.32	46.82	74.00	-27.18	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



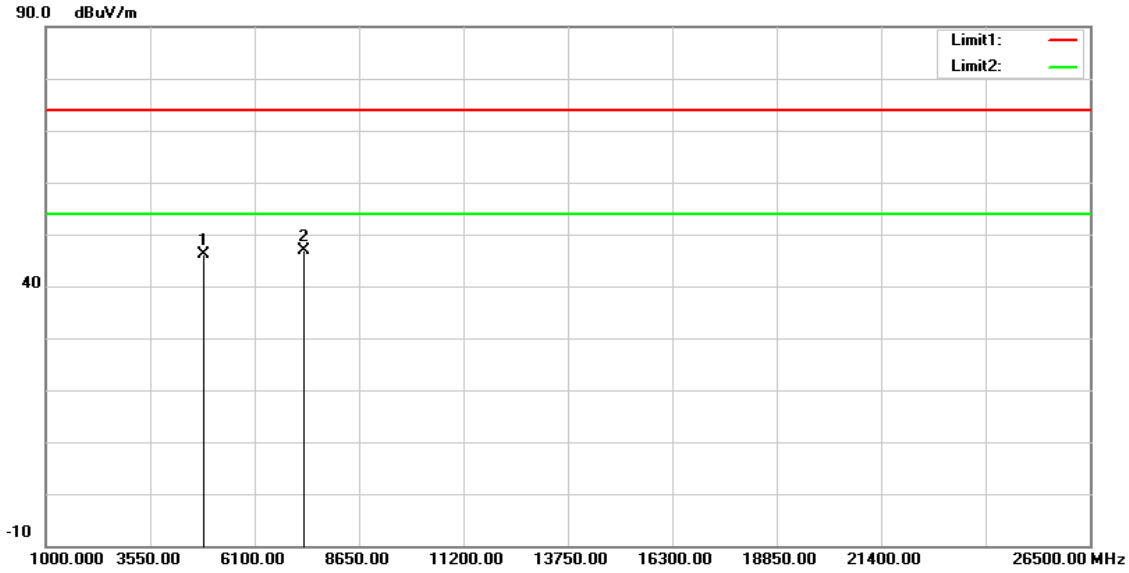
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	56.69	-5.54	51.15	74.00	-22.85	peak
2	7236.000	47.59	-1.32	46.27	74.00	-27.73	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



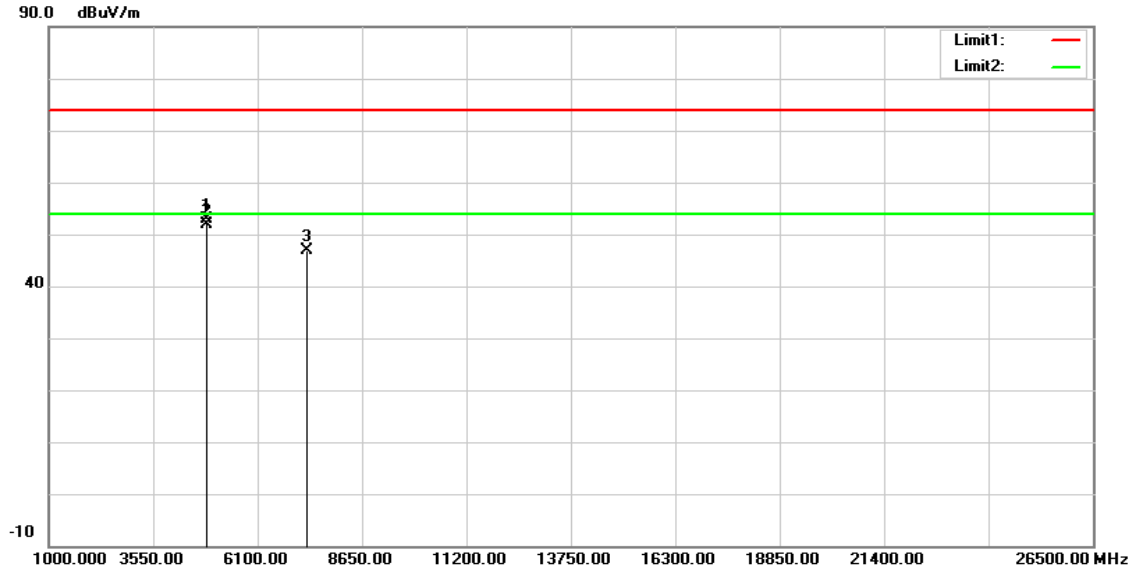
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.56	-5.46	46.10	74.00	-27.90	peak
2	7311.000	48.12	-1.21	46.91	74.00	-27.09	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



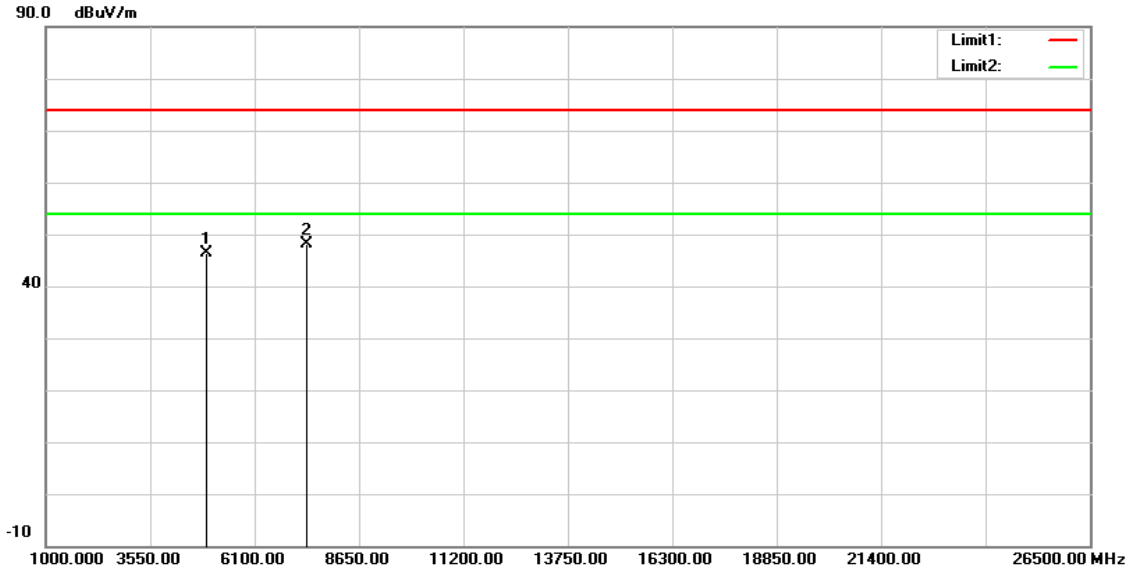
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	58.30	-5.46	52.84	74.00	-21.16	peak
2	4874.000	57.36	-5.46	51.90	54.00	-2.10	AVG
3	7311.000	48.01	-1.21	46.80	74.00	-27.20	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



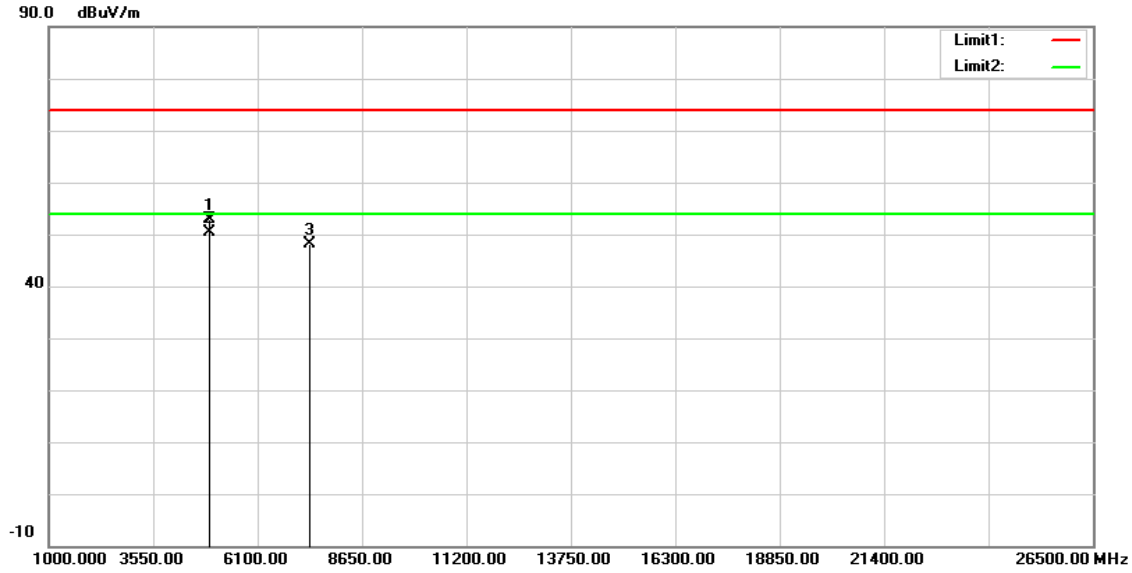
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.75	-5.39	46.36	74.00	-27.64	peak
2	7386.000	49.12	-1.09	48.03	74.00	-25.97	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



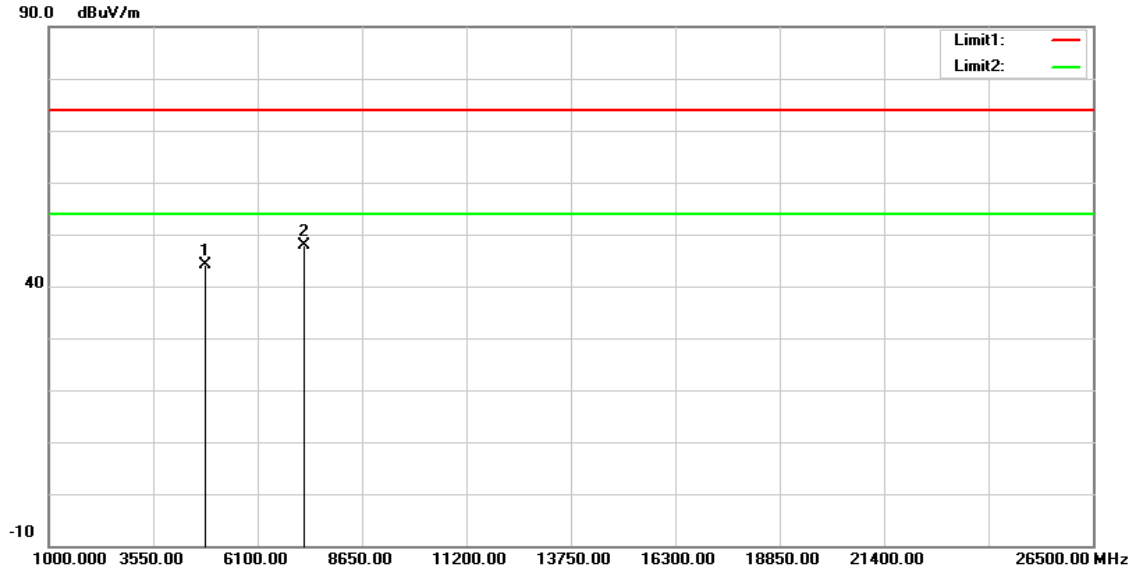
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	58.23	-5.39	52.84	74.00	-21.16	peak
2	4924.000	55.76	-5.39	50.37	54.00	-3.63	AVG
3	7386.000	49.24	-1.09	48.15	74.00	-25.85	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



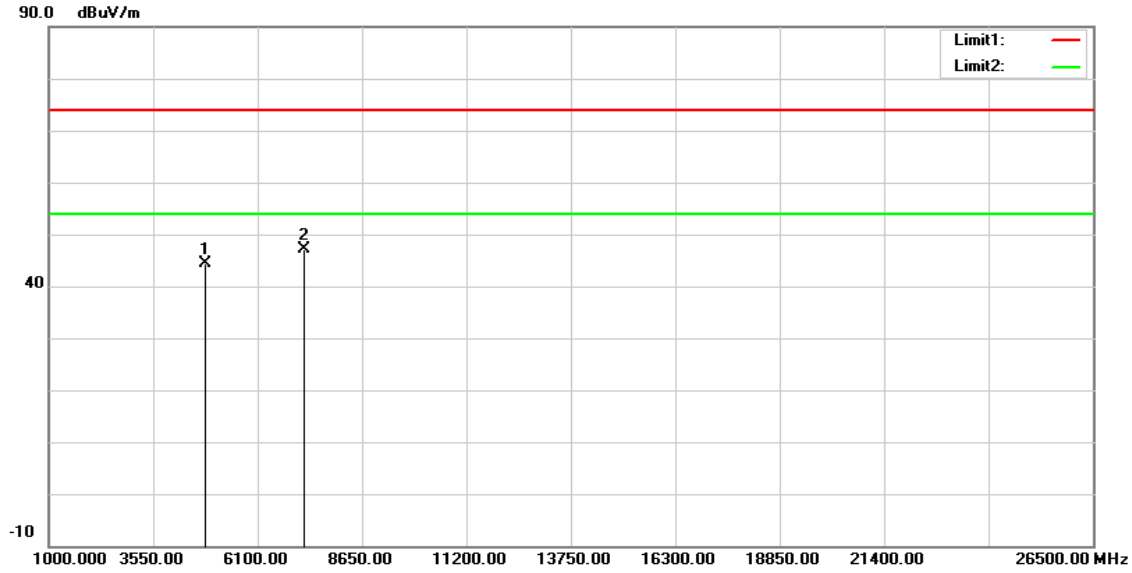
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	49.72	-5.54	44.18	74.00	-29.82	peak
2	7236.000	49.27	-1.32	47.95	74.00	-26.05	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



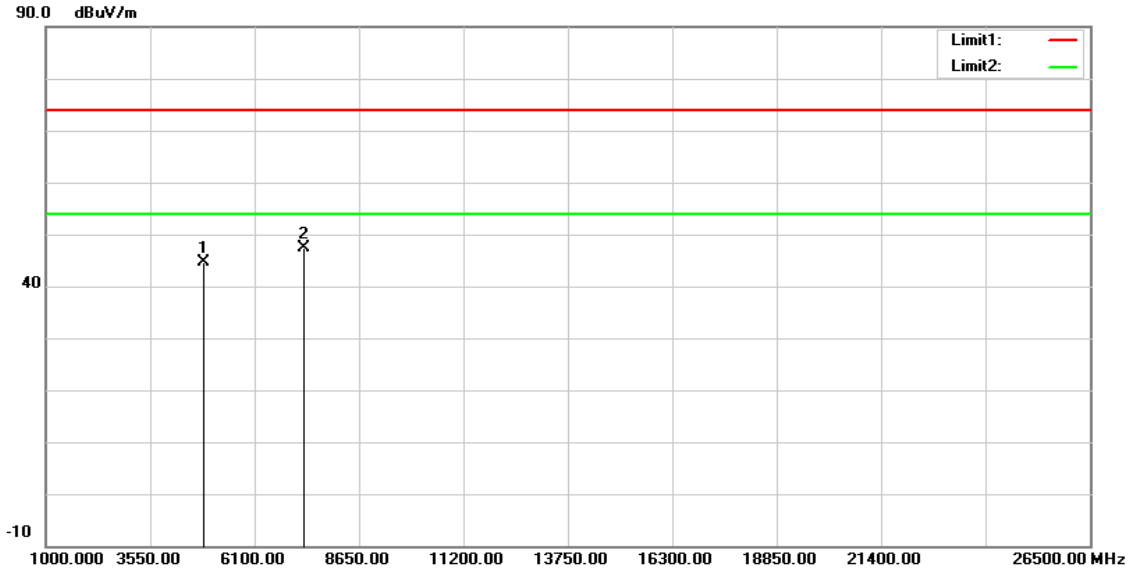
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	49.81	-5.54	44.27	74.00	-29.73	peak
2	7236.000	48.38	-1.32	47.06	74.00	-26.94	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



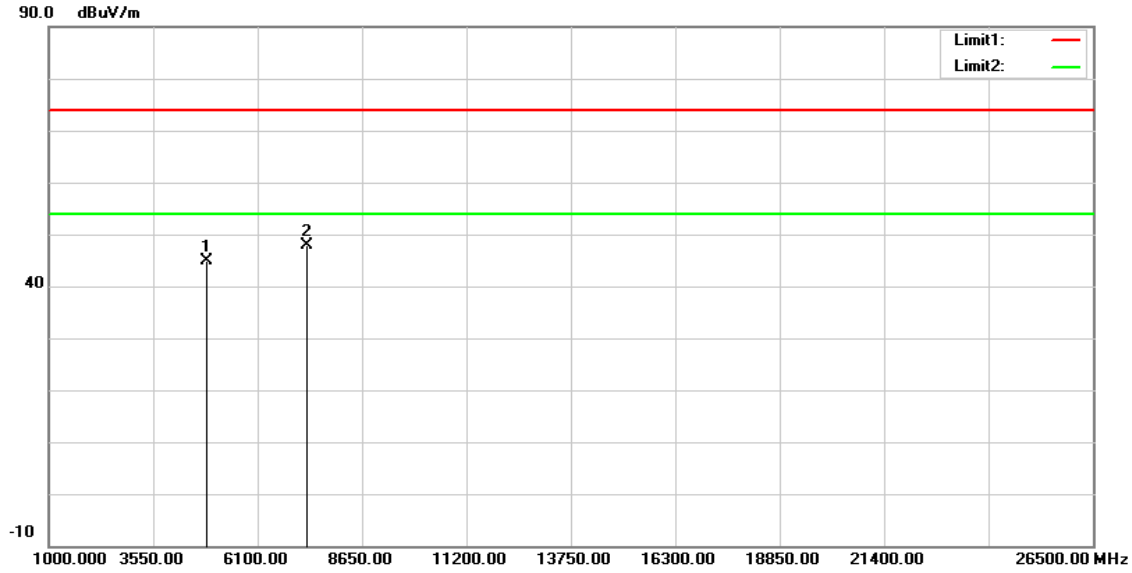
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	50.10	-5.46	44.64	74.00	-29.36	peak
2	7311.000	48.48	-1.21	47.27	74.00	-26.73	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



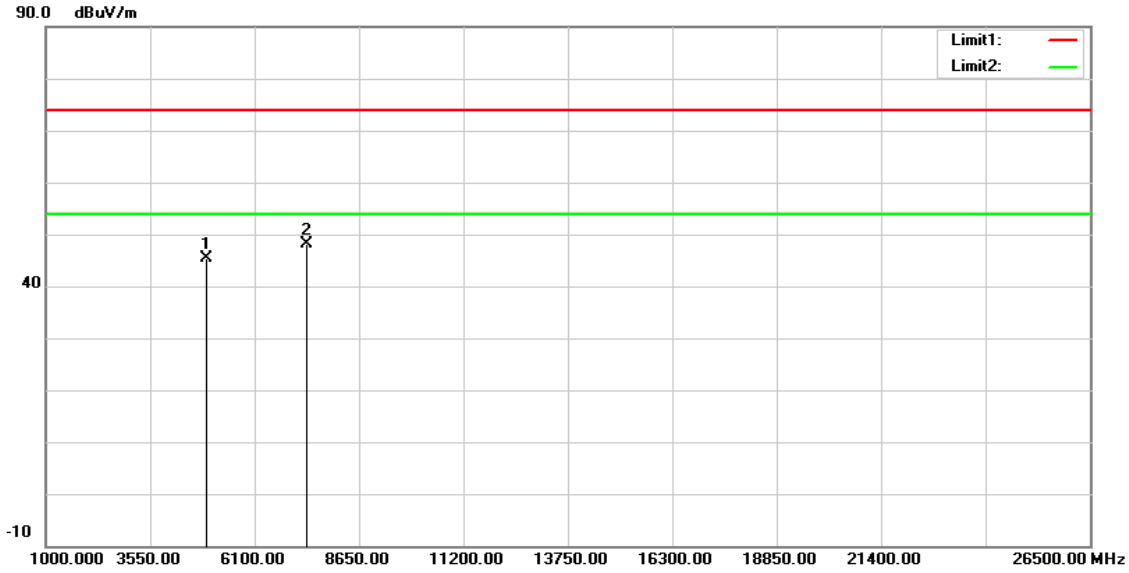
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	50.29	-5.46	44.83	74.00	-29.17	peak
2	7311.000	49.16	-1.21	47.95	74.00	-26.05	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



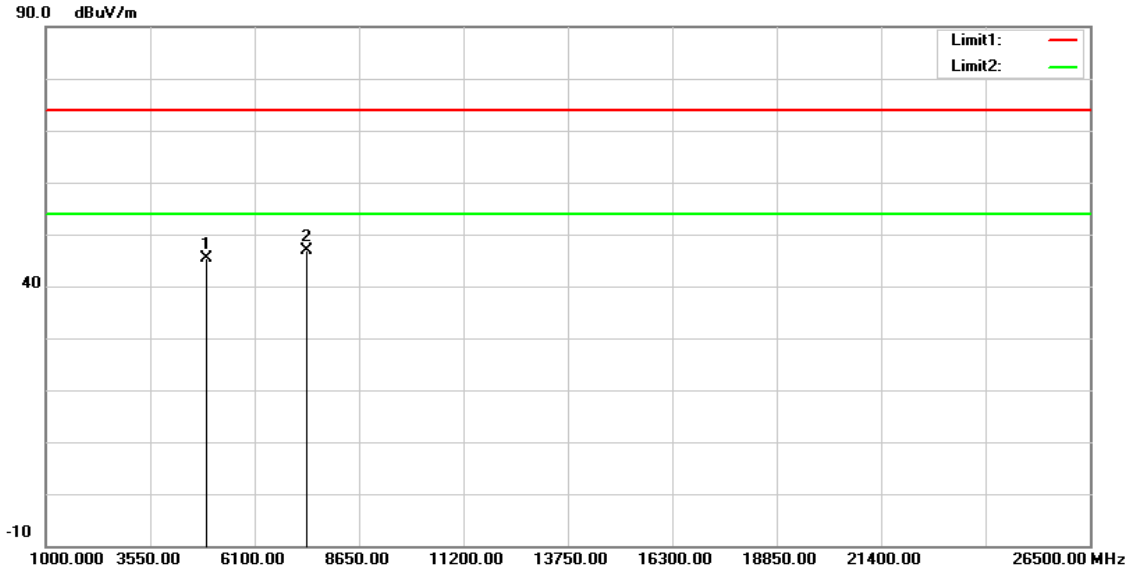
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.85	-5.39	45.46	74.00	-28.54	peak
2	7386.000	49.22	-1.09	48.13	74.00	-25.87	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.77	-5.39	45.38	74.00	-28.62	peak
2	7386.000	48.01	-1.09	46.92	74.00	-27.08	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

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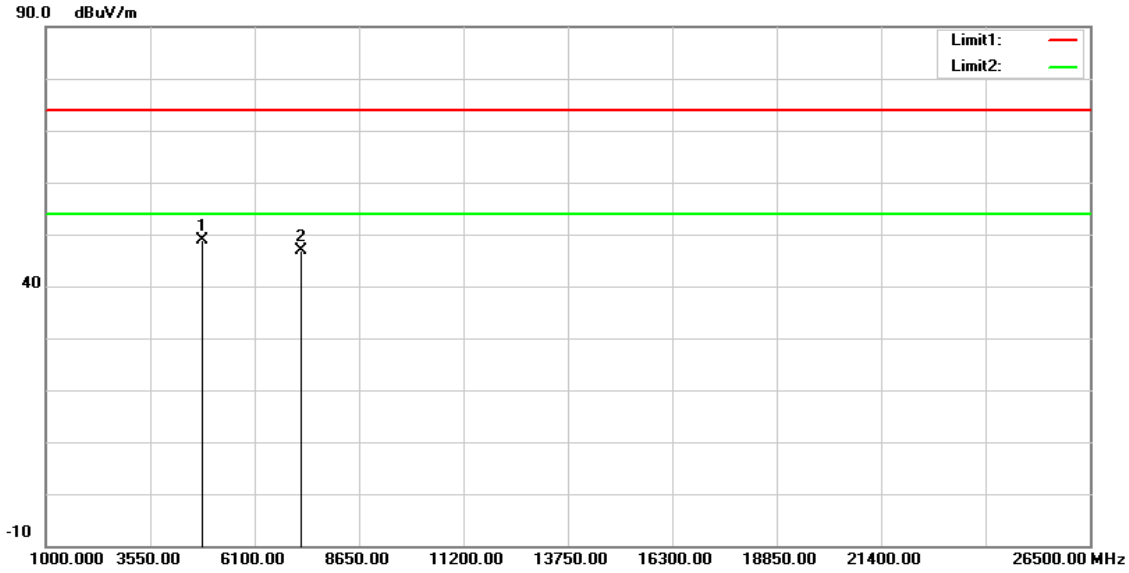
Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	54.40	-5.54	48.86	74.00	-25.14	peak
2	7236.000	48.27	-1.32	46.95	74.00	-27.05	peak

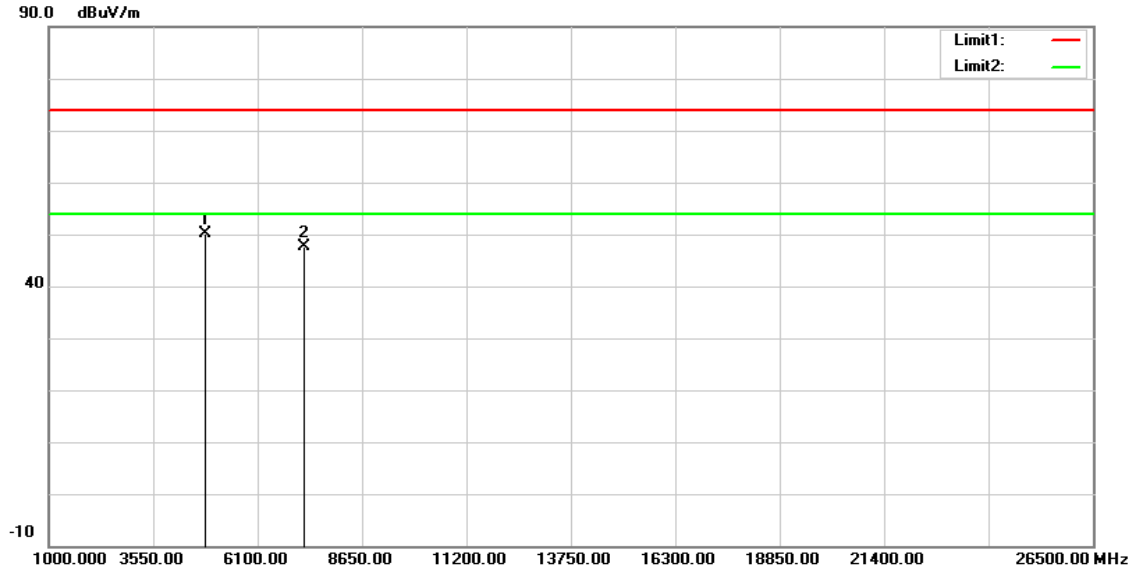
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 47.20=-5.54+52.74

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



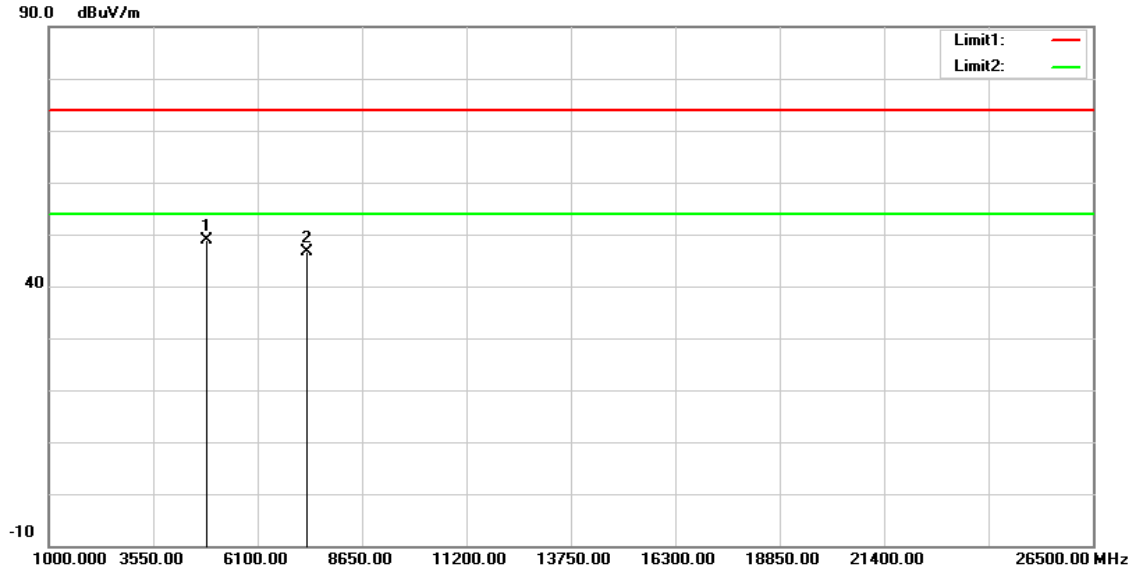
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	55.55	-5.54	50.01	74.00	-23.99	peak
2	7236.000	49.04	-1.32	47.72	74.00	-26.28	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



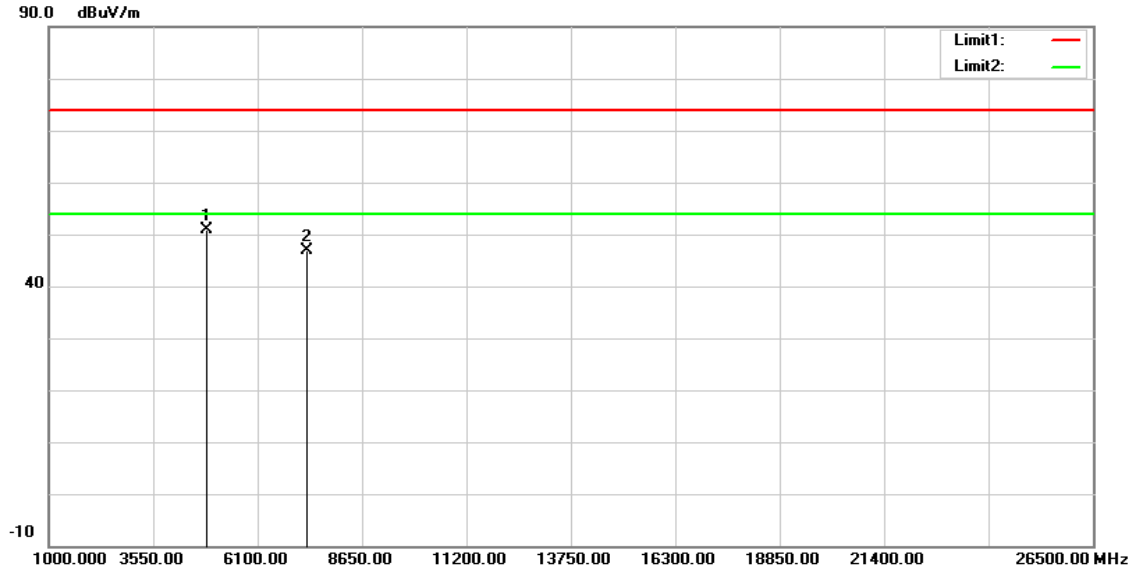
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	54.36	-5.46	48.90	74.00	-25.10	peak
2	7311.000	47.77	-1.21	46.56	74.00	-27.44	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



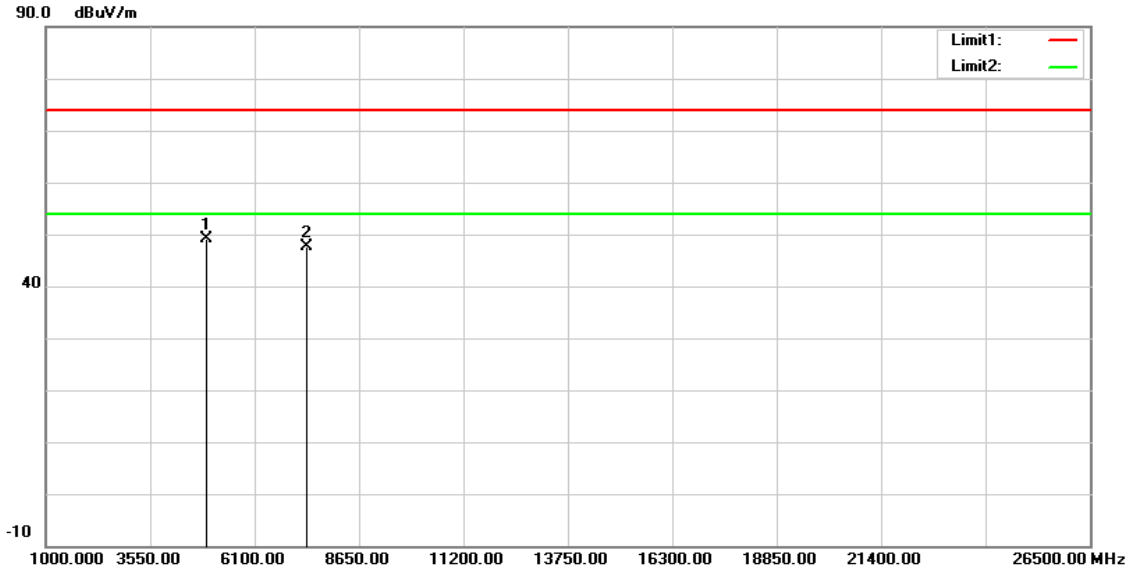
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.38	-5.46	50.92	74.00	-23.08	peak
2	7311.000	48.21	-1.21	47.00	74.00	-27.00	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



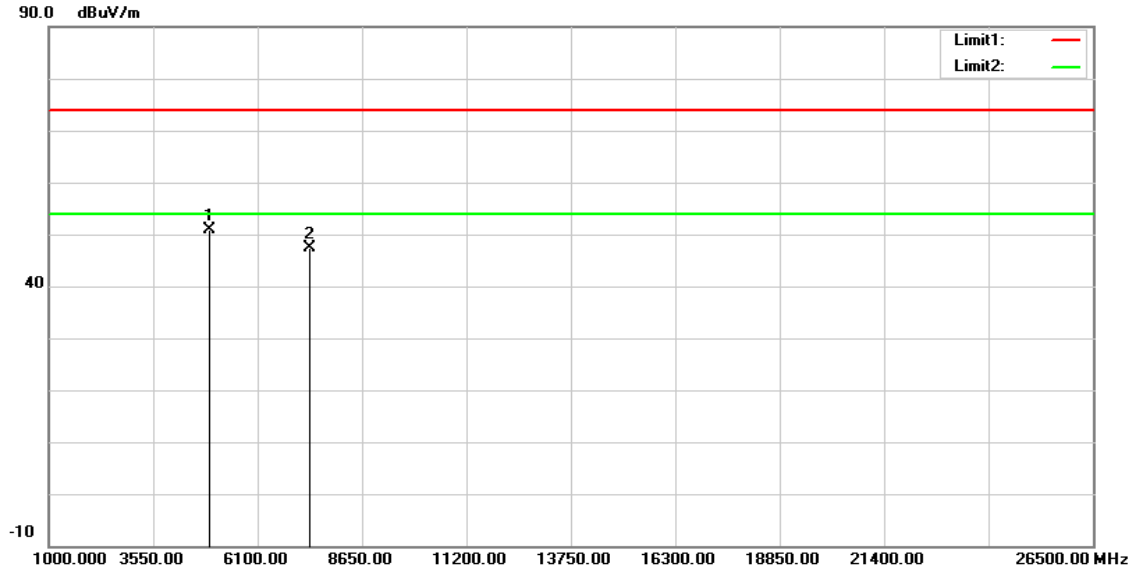
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	54.56	-5.39	49.17	74.00	-24.83	peak
2	7386.000	48.69	-1.09	47.60	74.00	-26.40	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



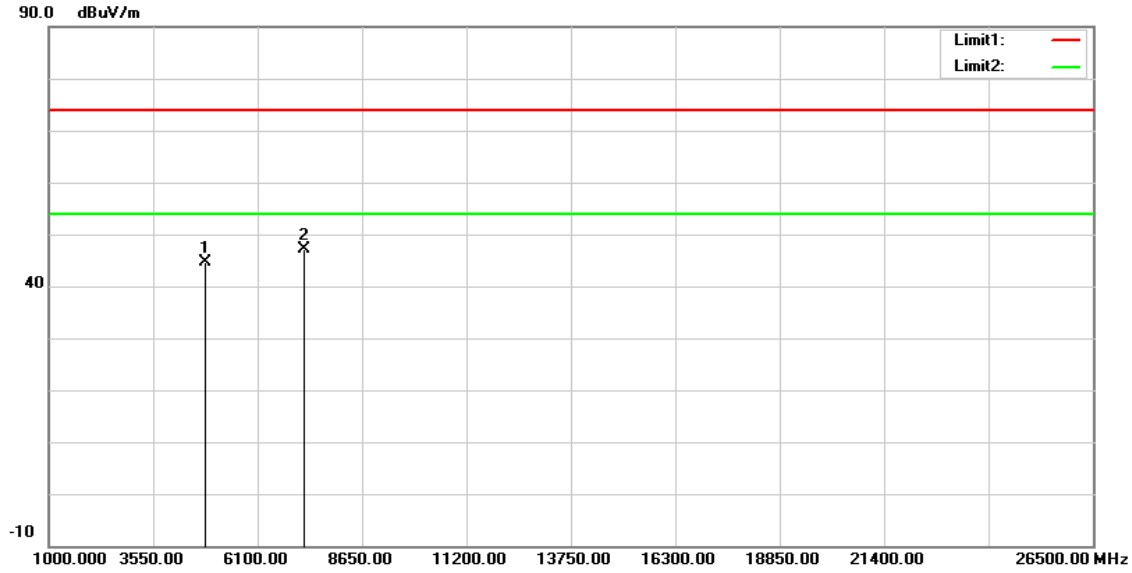
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.16	-5.39	50.77	74.00	-23.23	peak
2	7386.000	48.59	-1.09	47.50	74.00	-26.50	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



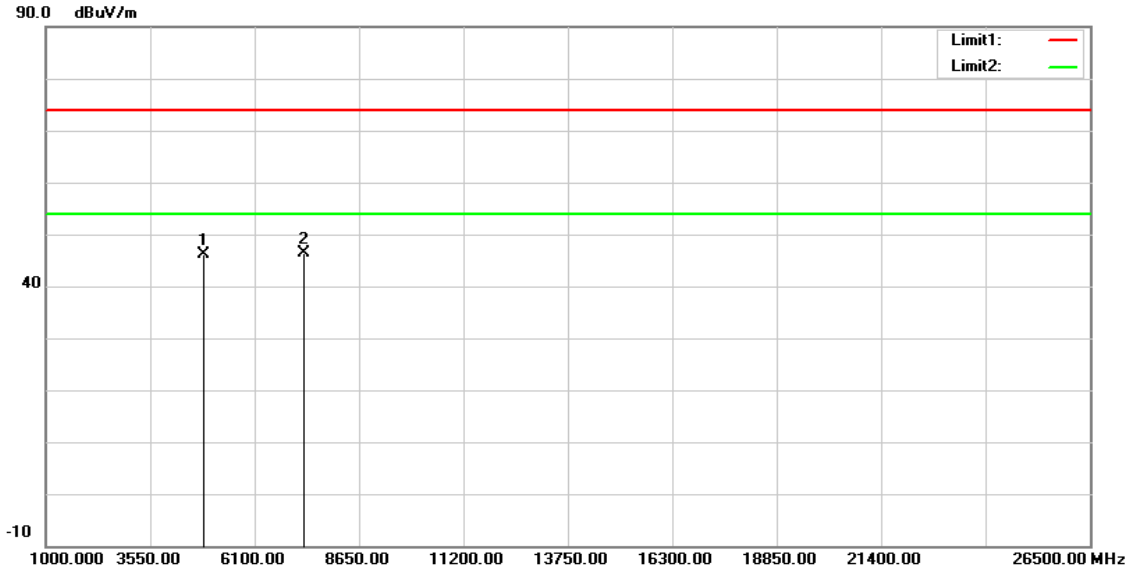
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	50.25	-5.54	44.71	74.00	-29.29	peak
2	7236.000	48.50	-1.32	47.18	74.00	-26.82	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



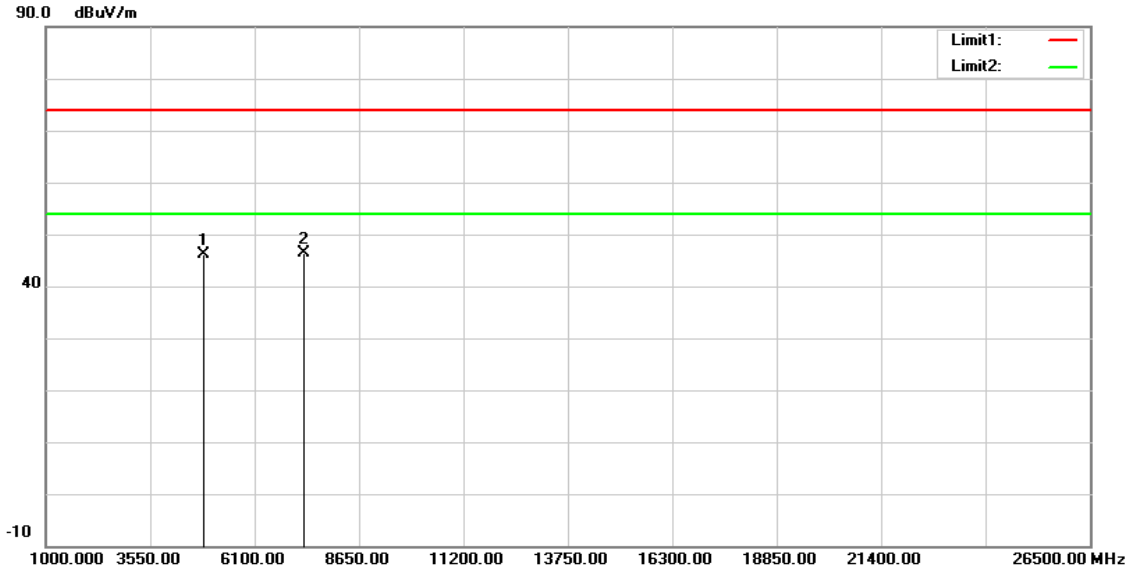
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.50	-5.46	46.04	74.00	-27.96	peak
2	7311.000	47.57	-1.21	46.36	74.00	-27.64	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



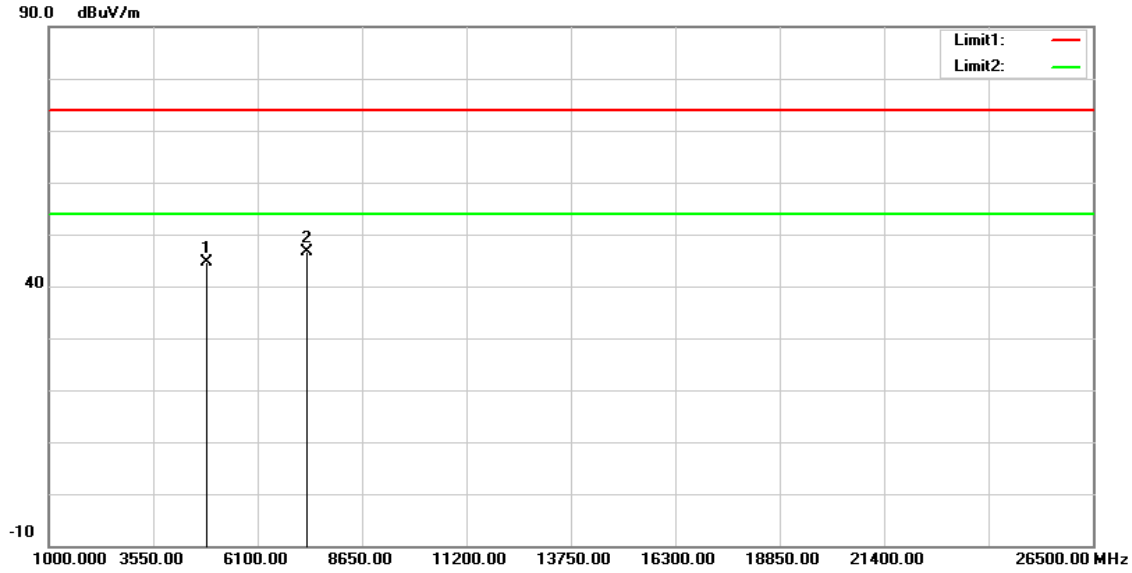
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.50	-5.46	46.04	74.00	-27.96	peak
2	7311.000	47.57	-1.21	46.36	74.00	-27.64	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



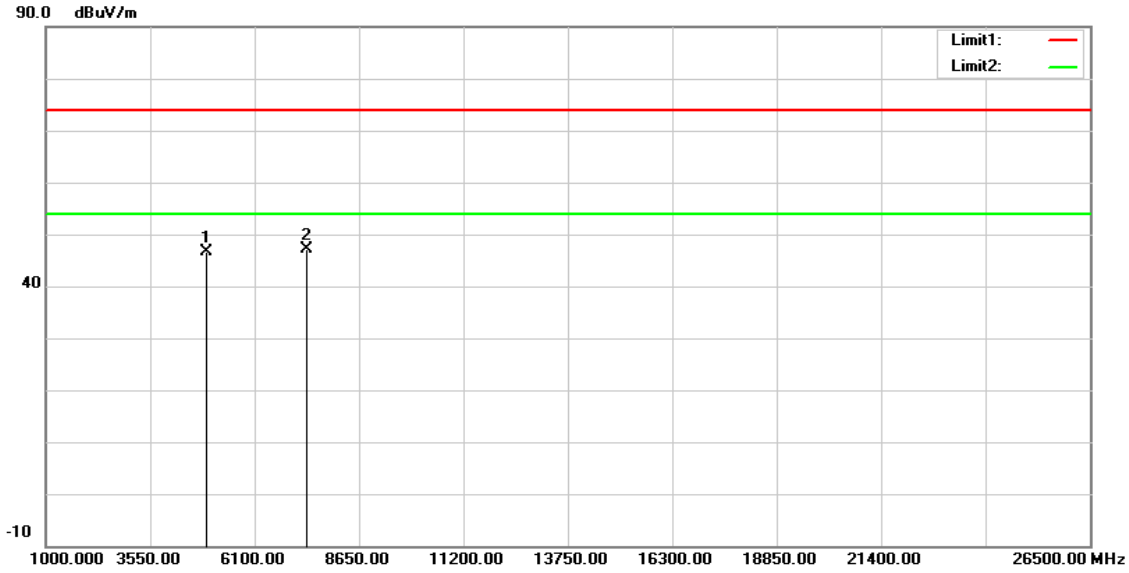
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	50.18	-5.46	44.72	74.00	-29.28	peak
2	7311.000	47.84	-1.21	46.63	74.00	-27.37	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



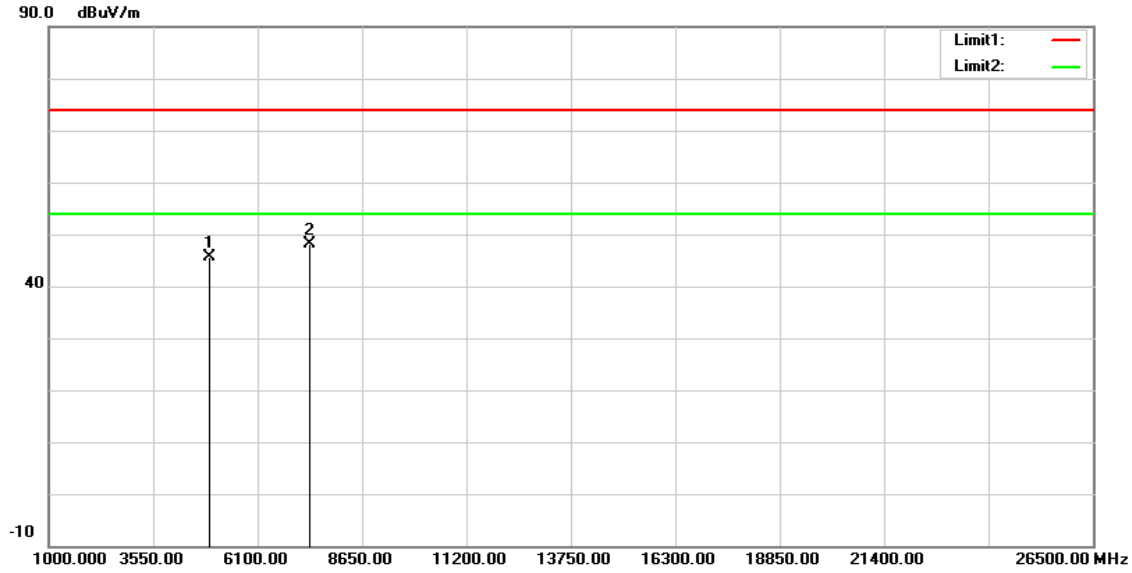
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	52.08	-5.39	46.69	74.00	-27.31	peak
2	7386.000	48.19	-1.09	47.10	74.00	-26.90	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.02	-5.39	45.63	74.00	-28.37	peak
2	7386.000	49.14	-1.09	48.05	74.00	-25.95	peak

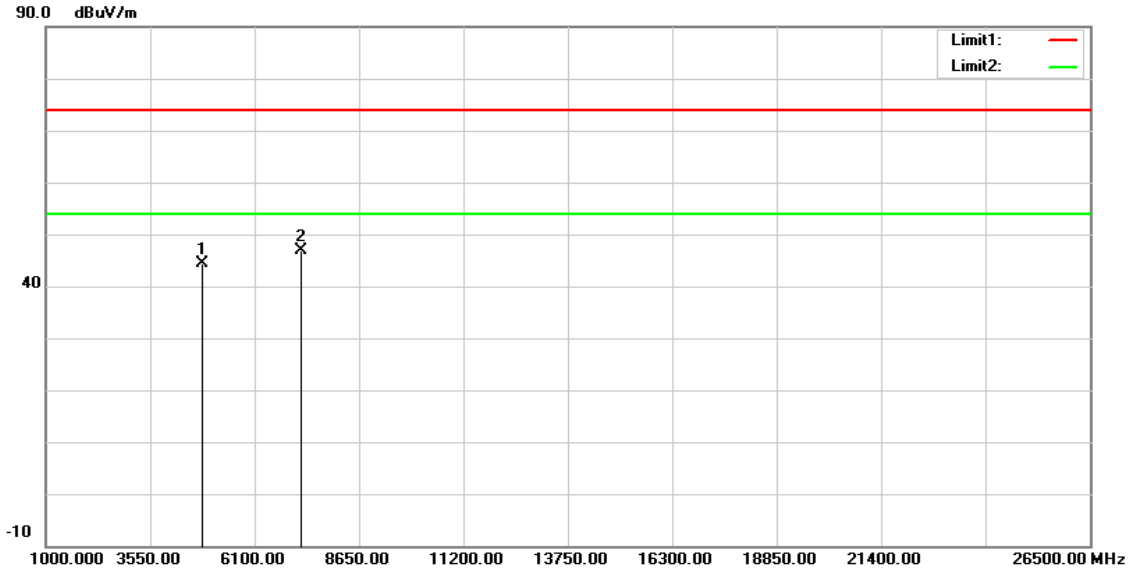
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

ANT-0+ANT-1

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



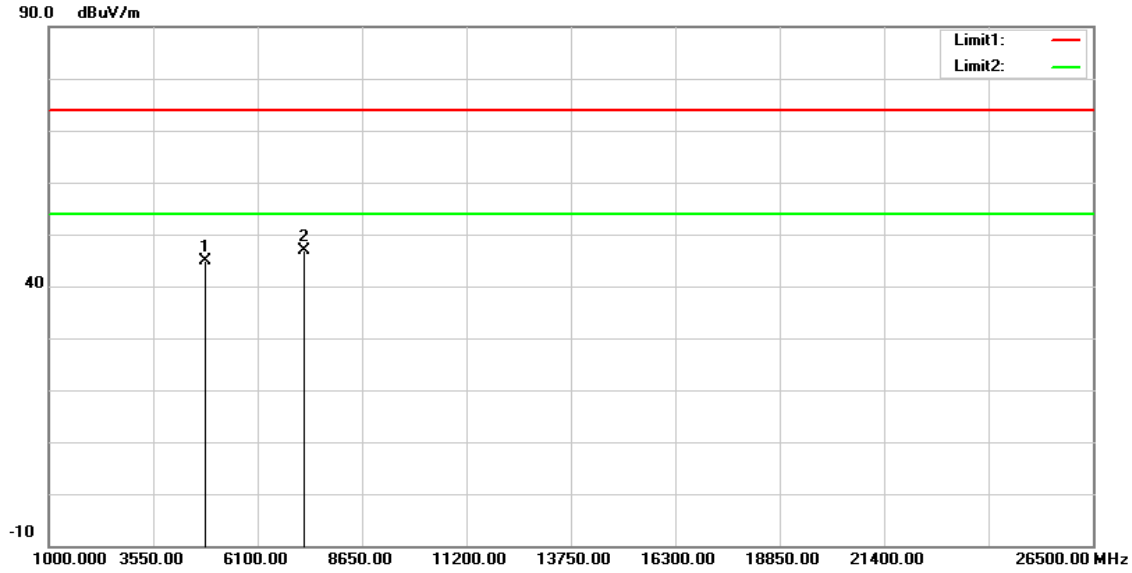
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	49.97	-5.54	44.43	74.00	-29.57	peak
2	7236.000	48.20	-1.32	46.88	74.00	-27.12	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



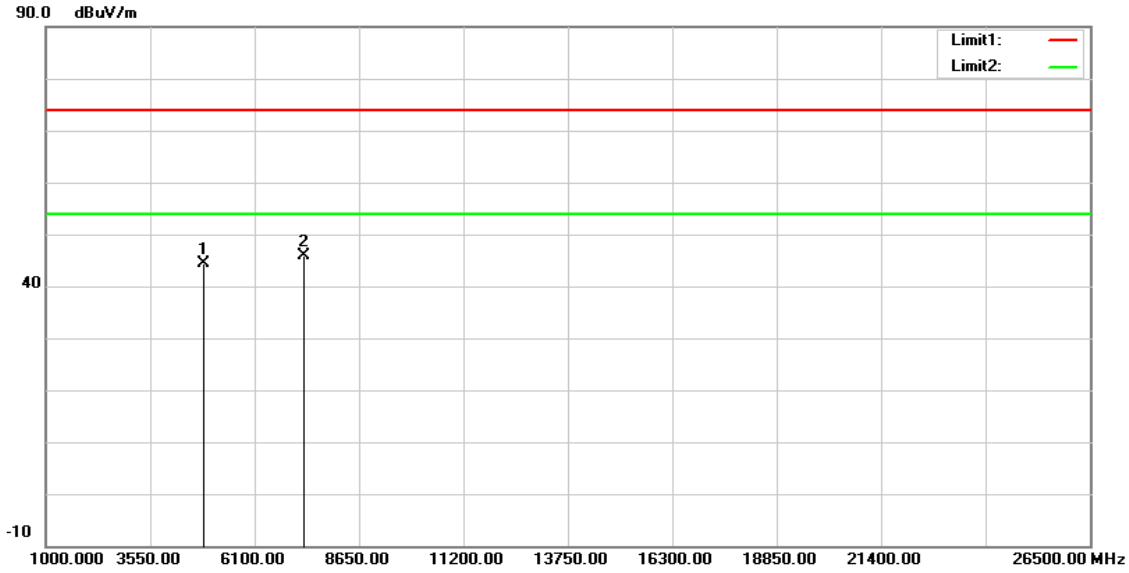
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	50.36	-5.54	44.82	74.00	-29.18	peak
2	7236.000	48.14	-1.32	46.82	74.00	-27.18	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



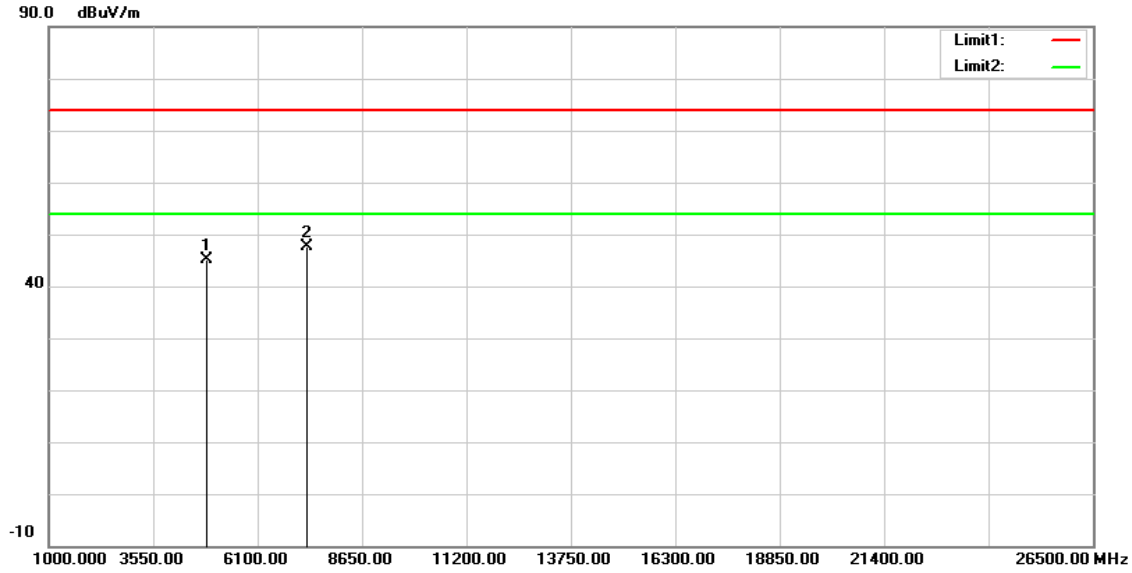
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.80	-5.46	44.34	74.00	-29.66	peak
2	7311.000	47.05	-1.21	45.84	74.00	-28.16	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



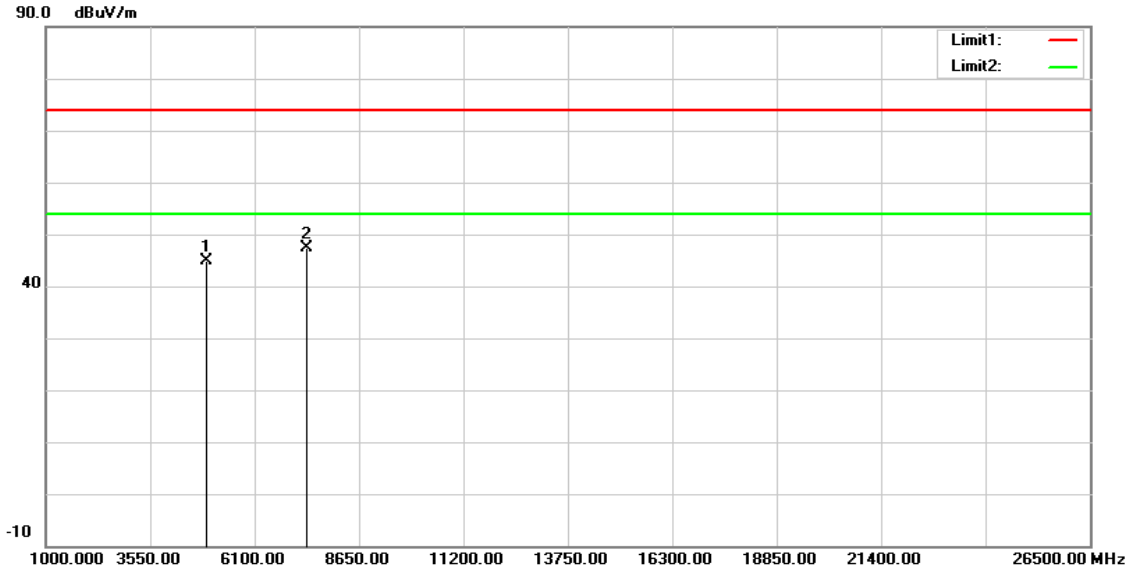
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	50.53	-5.46	45.07	74.00	-28.93	peak
2	7311.000	48.82	-1.21	47.61	74.00	-26.39	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



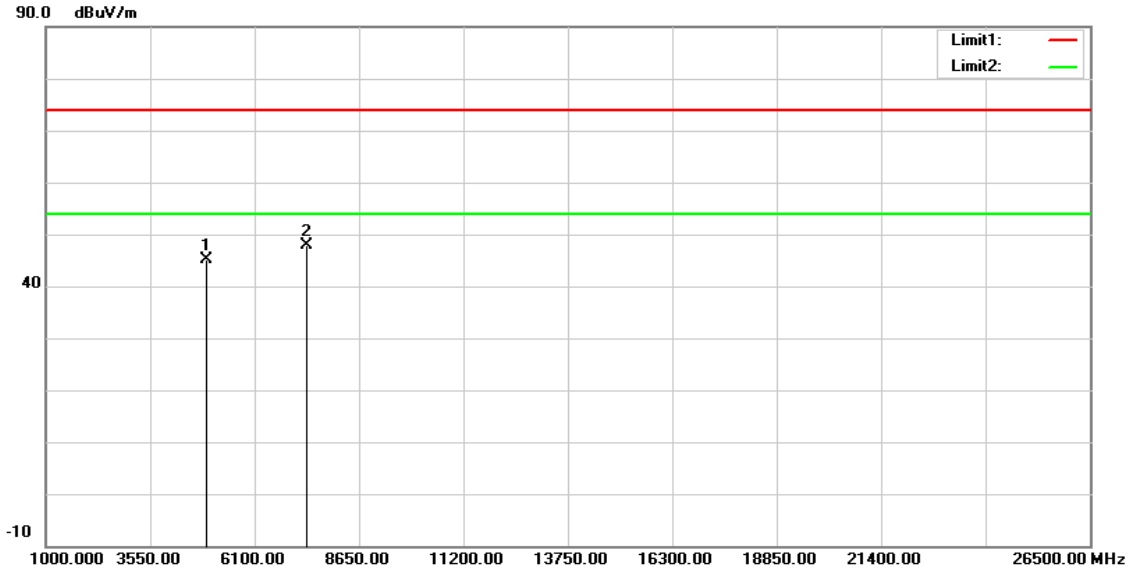
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.16	-5.39	44.77	74.00	-29.23	peak
2	7386.000	48.49	-1.09	47.40	74.00	-26.60	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



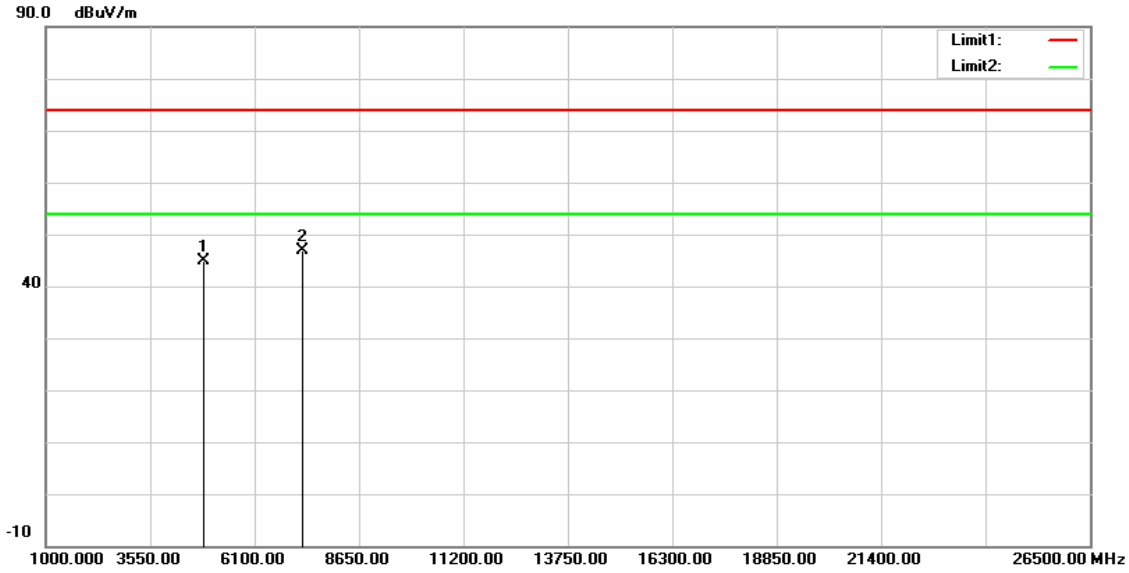
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.52	-5.39	45.13	74.00	-28.87	peak
2	7386.000	48.97	-1.09	47.88	74.00	-26.12	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2422MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



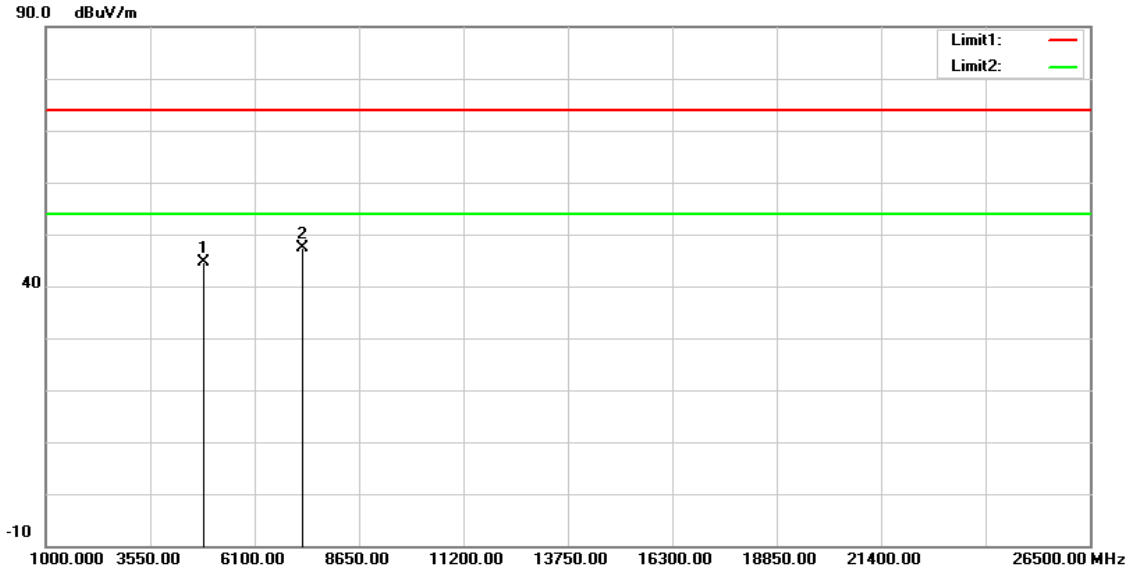
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	50.35	-5.51	44.84	74.00	-29.16	peak
2	7266.000	48.17	-1.27	46.90	74.00	-27.10	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2422MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



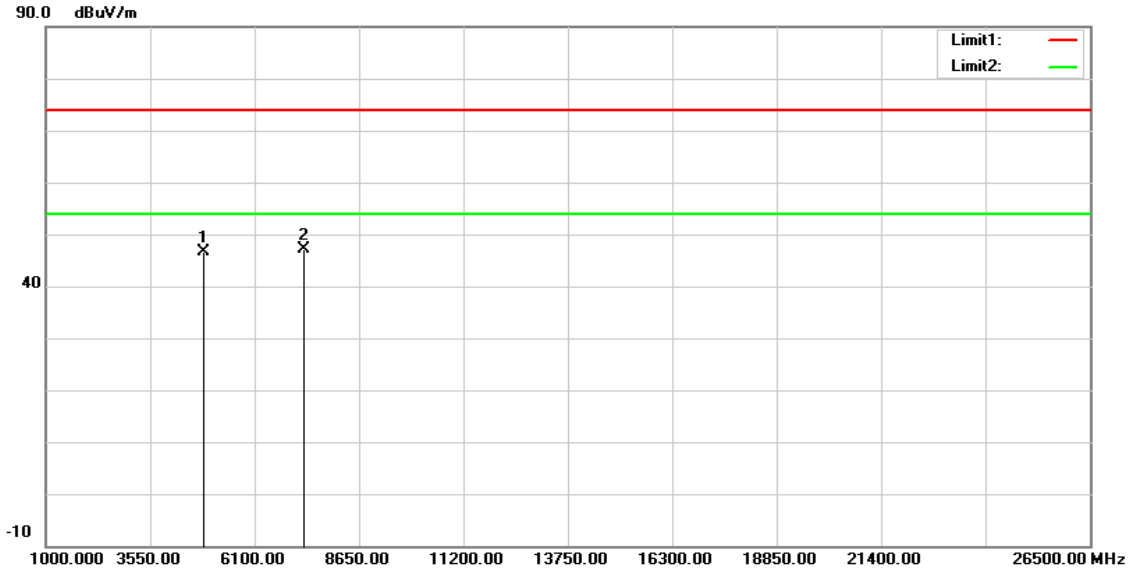
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	50.07	-5.51	44.56	74.00	-29.44	peak
2	7266.000	48.73	-1.27	47.46	74.00	-26.54	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



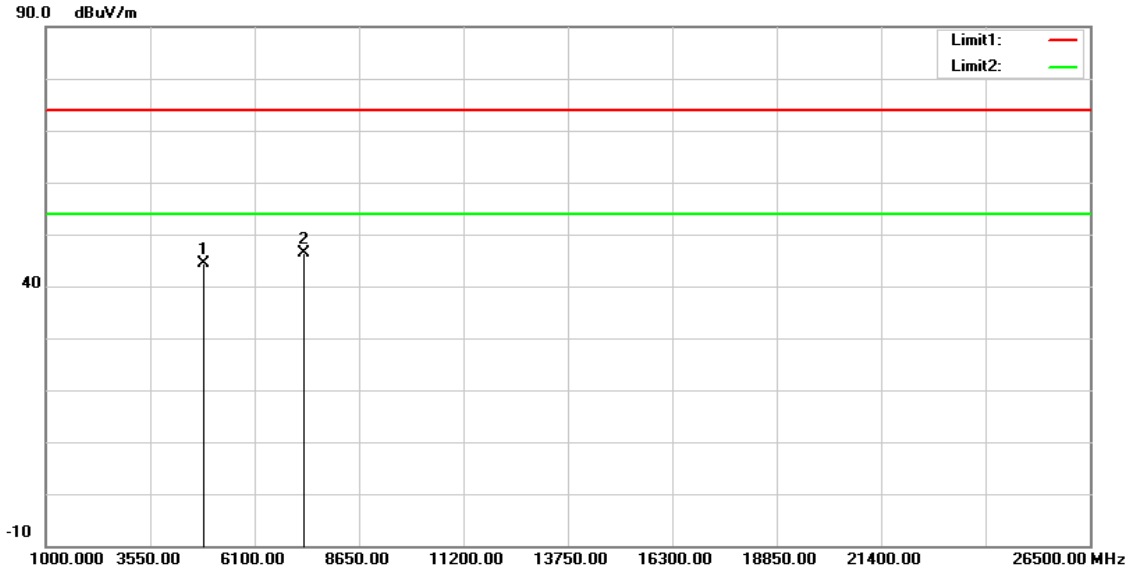
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	52.13	-5.46	46.67	74.00	-27.33	peak
2	7311.000	48.25	-1.21	47.04	74.00	-26.96	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2437MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



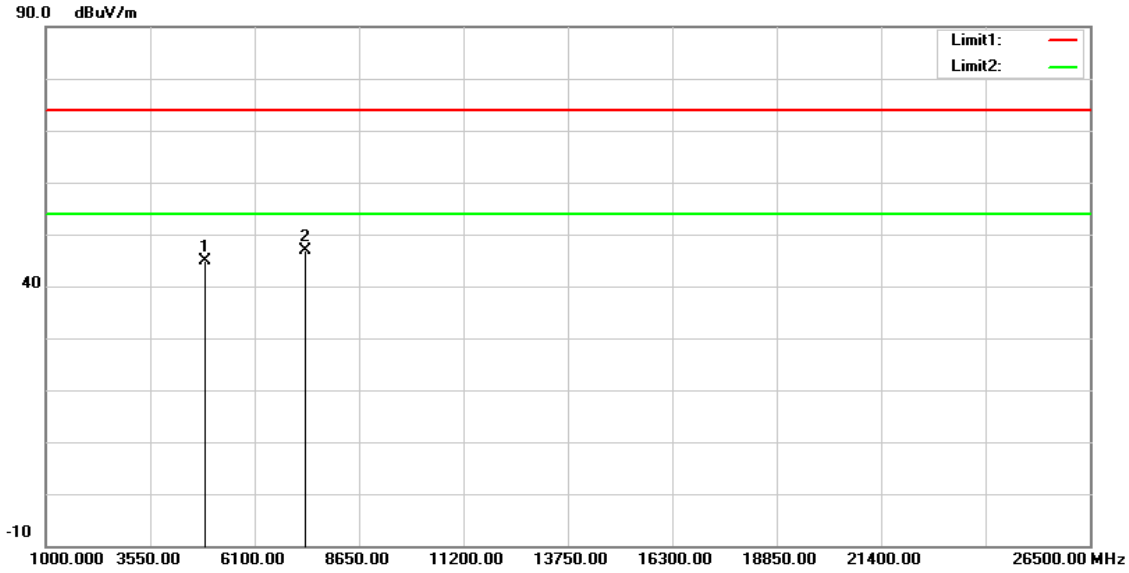
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.87	-5.46	44.41	74.00	-29.59	peak
2	7311.000	47.52	-1.21	46.31	74.00	-27.69	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2452MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



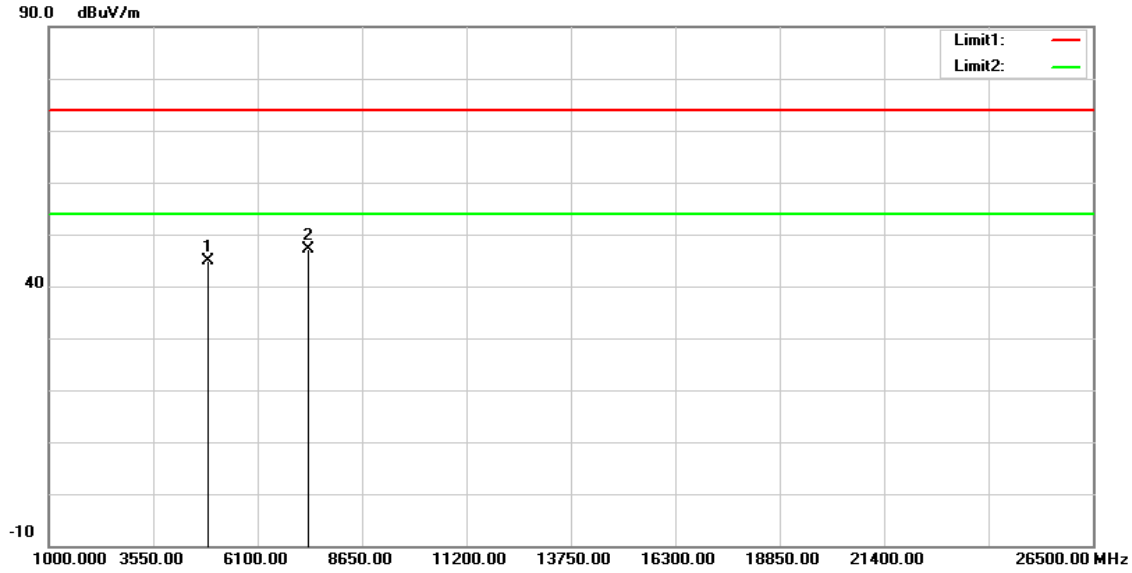
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	50.20	-5.42	44.78	74.00	-29.22	peak
2	7356.000	47.89	-1.13	46.76	74.00	-27.24	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	2452MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	50.42	-5.42	45.00	74.00	-29.00	peak
2	7356.000	48.16	-1.13	47.03	74.00	-26.97	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

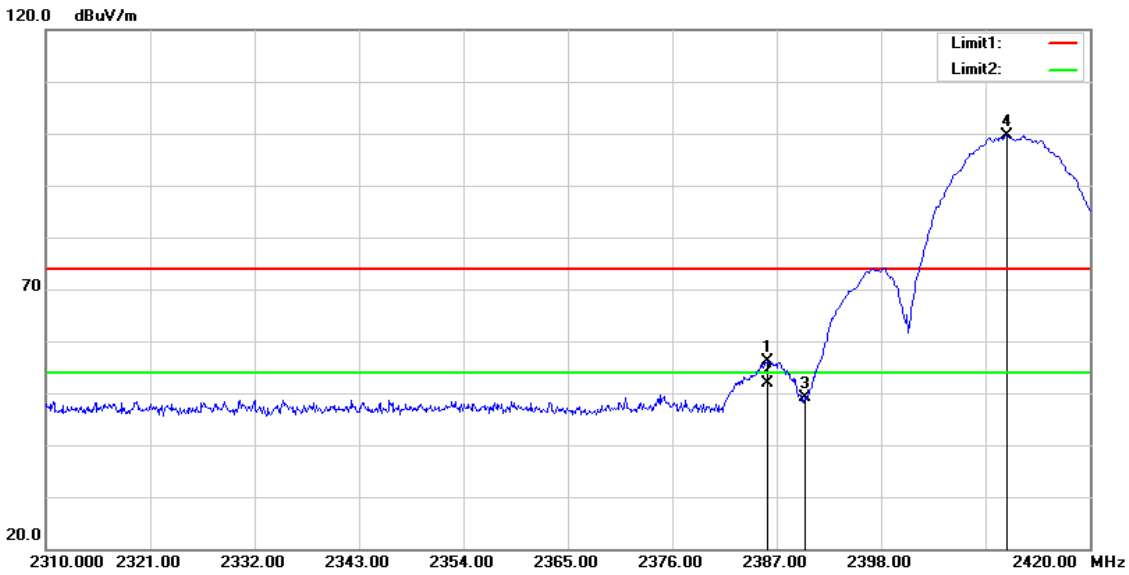
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Band Edge

ANT-0

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



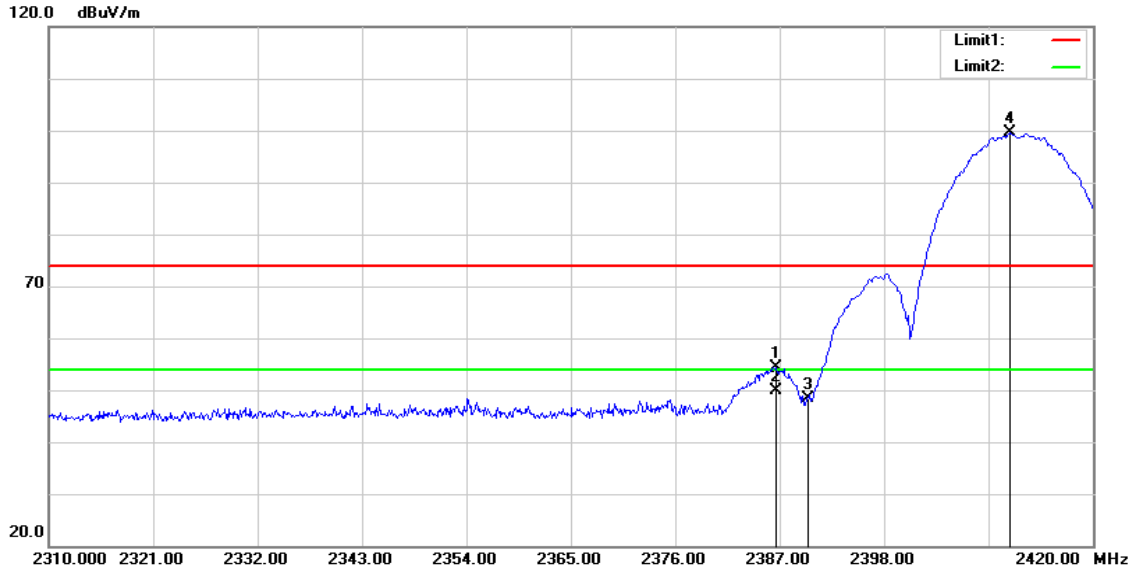
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.010	67.04	-10.85	56.19	74.00	-17.81	peak
2	2386.010	62.85	-10.85	52.00	54.00	-2.00	AVG
3	2390.000	60.09	-10.85	49.24	74.00	-24.76	peak
4	2411.200	110.52	-10.80	99.72	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



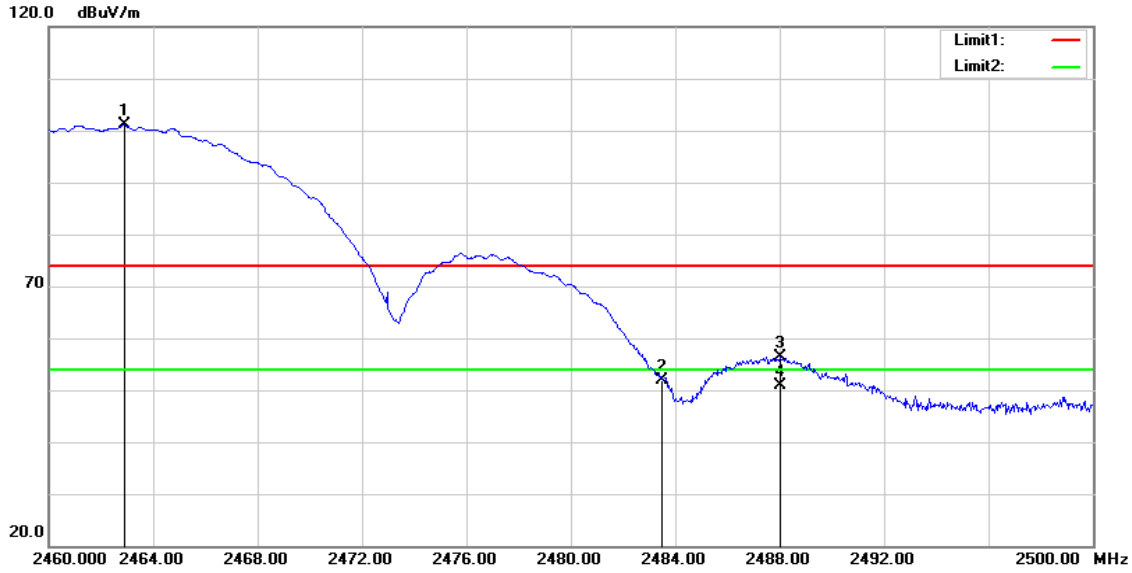
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.560	65.15	-10.85	54.30	74.00	-19.70	peak
2	2386.560	60.69	-10.85	49.84	54.00	-4.16	AVG
3	2390.000	59.32	-10.85	48.47	74.00	-25.53	peak
4	2411.200	110.32	-10.80	99.52	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



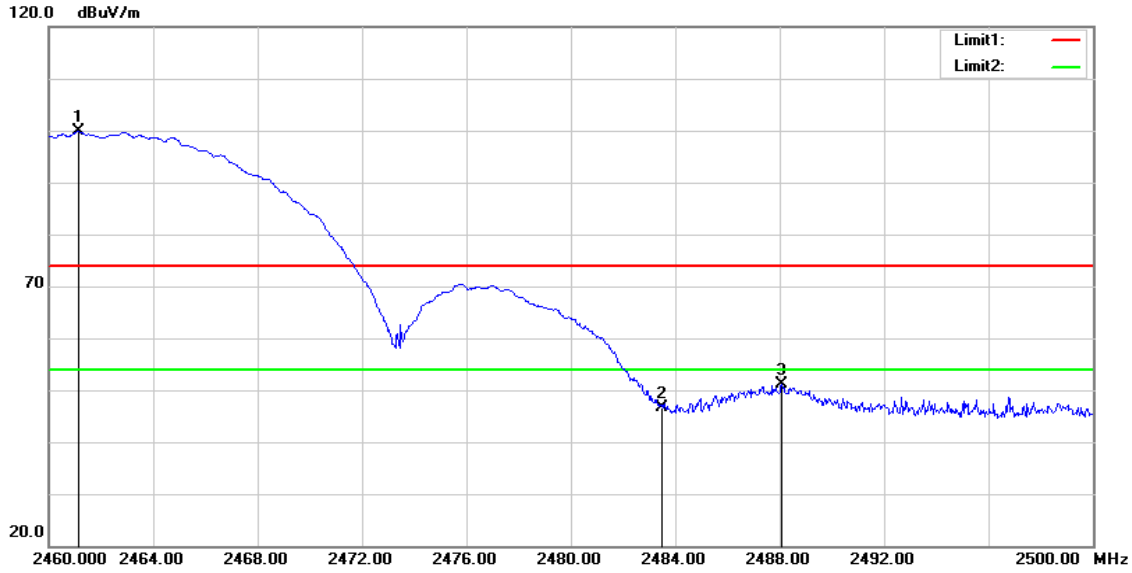
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.880	111.74	-10.70	101.04	---	---	peak
2	2483.500	62.48	-10.65	51.83	74.00	-22.17	peak
3	2488.040	66.92	-10.64	56.28	74.00	-17.72	peak
4	2488.040	61.45	-10.64	50.81	54.00	-3.19	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



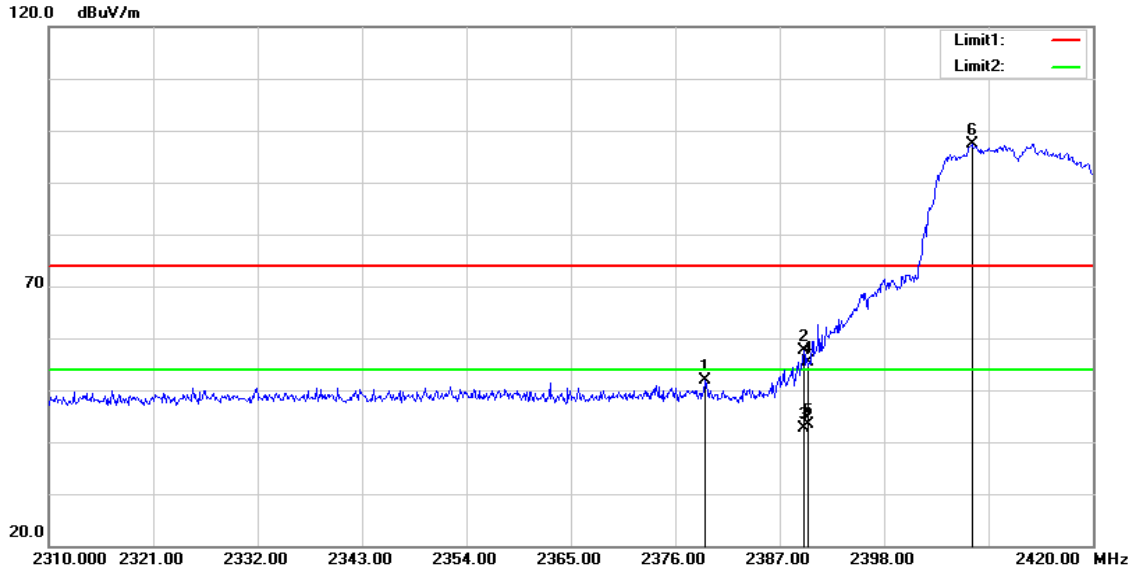
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.160	110.48	-10.70	99.78	---	---	peak
2	2483.500	57.29	-10.65	46.64	74.00	-27.36	peak
3	2488.080	61.76	-10.64	51.12	74.00	-22.88	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



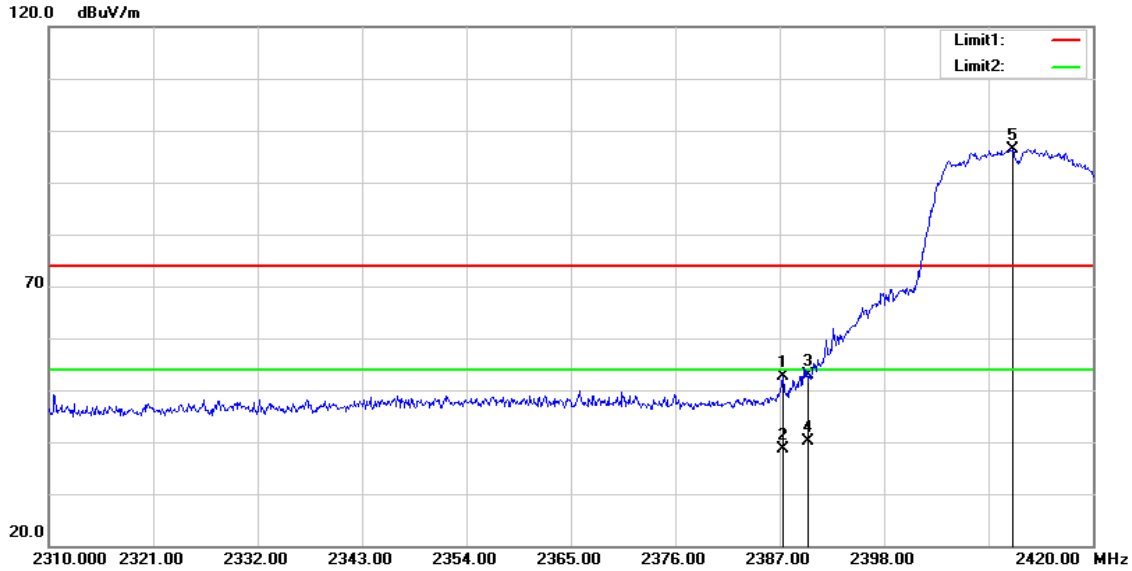
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2379.190	62.72	-10.87	51.85	74.00	-22.15	peak
2	2389.530	68.60	-10.85	57.75	74.00	-16.25	peak
3	2389.530	53.45	-10.85	42.60	54.00	-11.40	AVG
4	2390.000	66.22	-10.85	55.37	74.00	-18.63	peak
5	2390.000	54.26	-10.85	43.41	54.00	-10.59	AVG
6	2407.240	108.25	-10.81	97.44	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



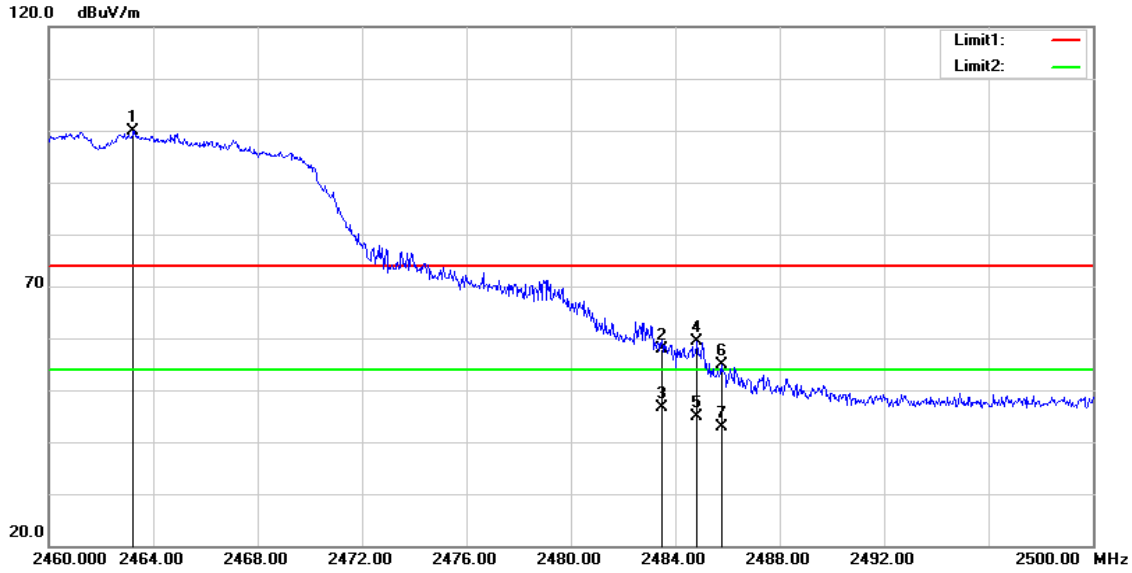
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.330	63.50	-10.85	52.65	74.00	-21.35	peak
2	2387.330	49.41	-10.85	38.56	54.00	-15.44	AVG
3	2390.000	63.79	-10.85	52.94	74.00	-21.06	peak
4	2390.000	50.96	-10.85	40.11	54.00	-13.89	AVG
5	2411.530	107.17	-10.80	96.37	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



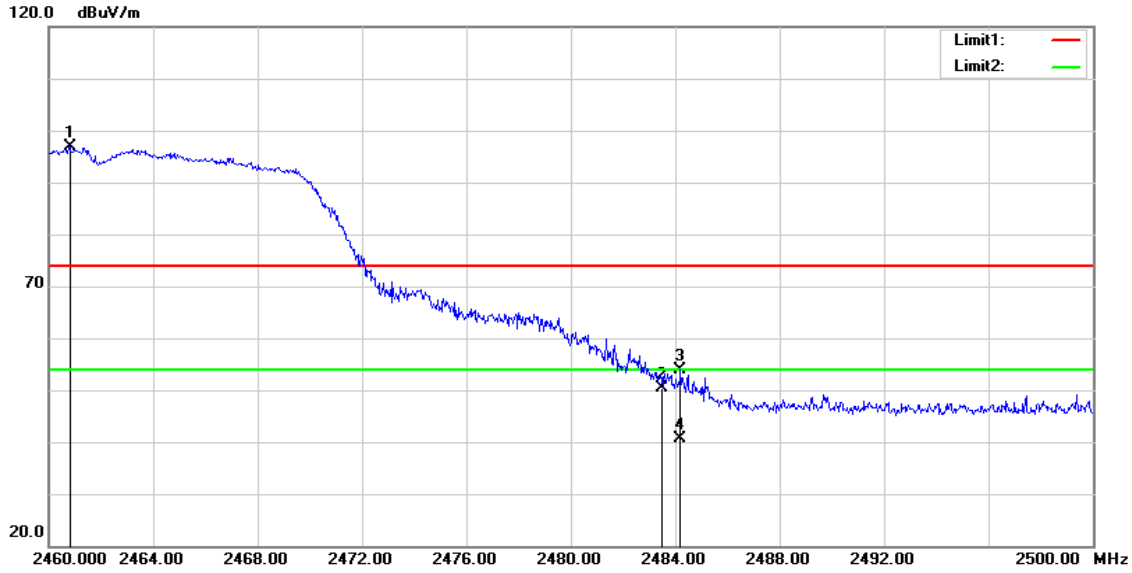
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.240	110.56	-10.70	99.86	---	---	peak
2	2483.500	68.50	-10.65	57.85	74.00	-16.15	peak
3	2483.500	57.27	-10.65	46.62	54.00	-7.38	AVG
4	2484.840	70.04	-10.65	59.39	74.00	-14.61	peak
5	2484.840	55.52	-10.65	44.87	54.00	-9.13	AVG
6	2485.760	65.59	-10.65	54.94	74.00	-19.06	peak
7	2485.760	53.51	-10.65	42.86	54.00	-11.14	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.800	107.65	-10.70	96.95	---	---	peak
2	2483.500	61.14	-10.65	50.49	74.00	-23.51	peak
3	2484.200	64.42	-10.65	53.77	74.00	-20.23	peak
4	2484.200	51.18	-10.65	40.53	54.00	-13.47	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

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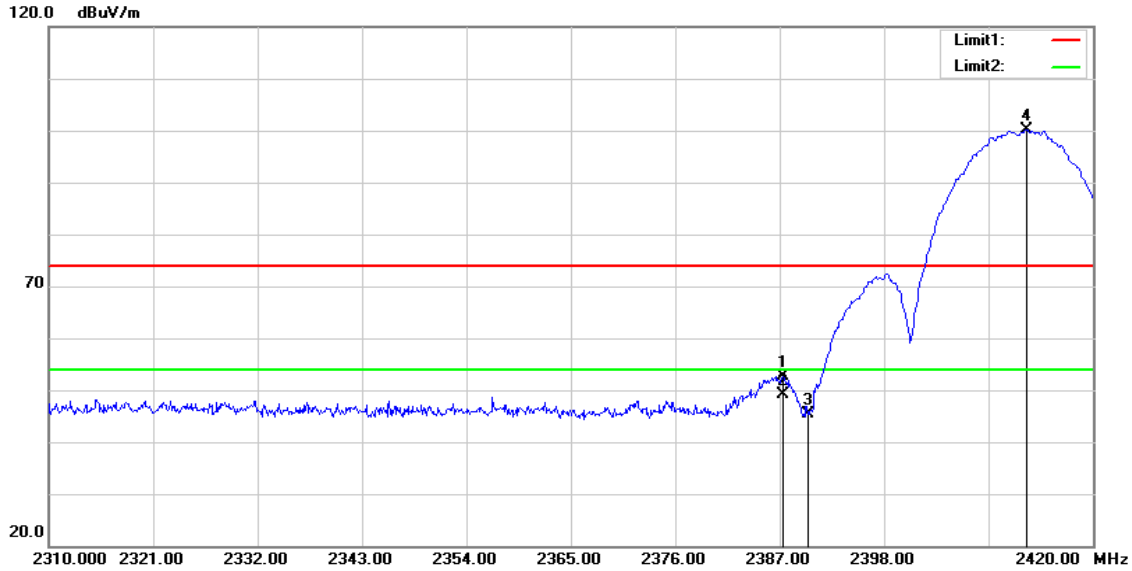
Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



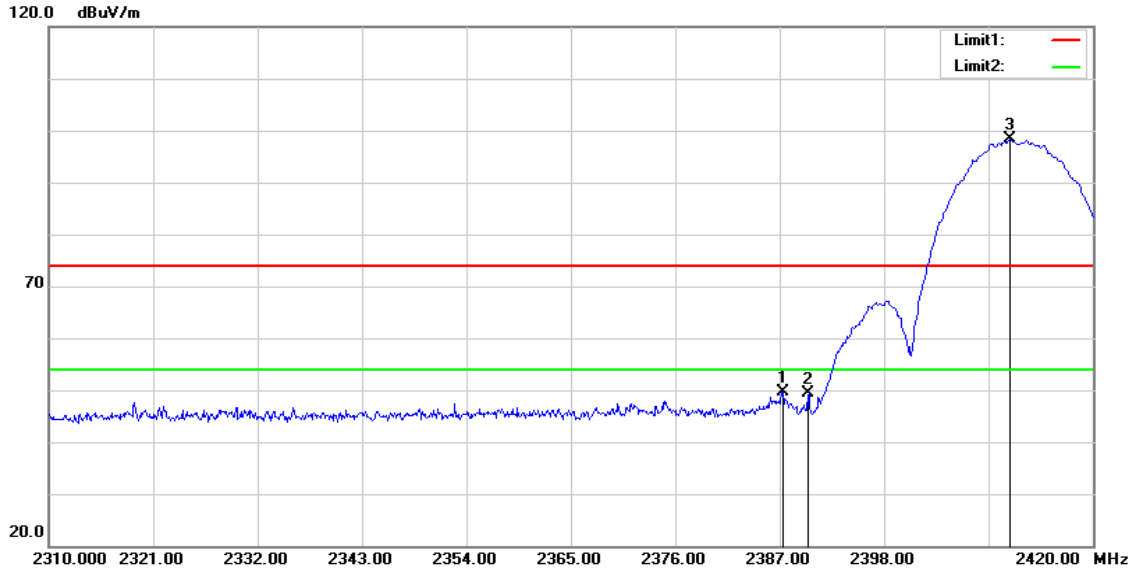
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.330	63.55	-10.85	52.70	74.00	-21.30	peak
2	2387.330	60.10	-10.85	49.25	54.00	-4.75	AVG
3	2390.000	56.23	-10.85	45.38	74.00	-28.62	peak
4	2413.070	111.04	-10.80	100.24	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



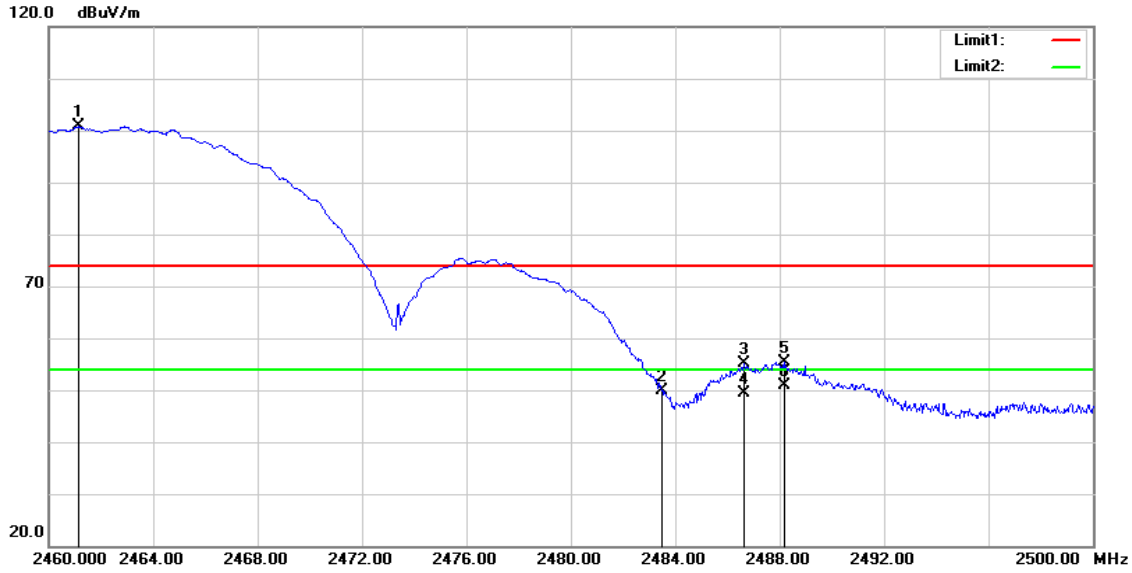
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.330	60.59	-10.85	49.74	74.00	-24.26	peak
2	2390.000	60.31	-10.85	49.46	74.00	-24.54	peak
3	2411.200	109.20	-10.80	98.40	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



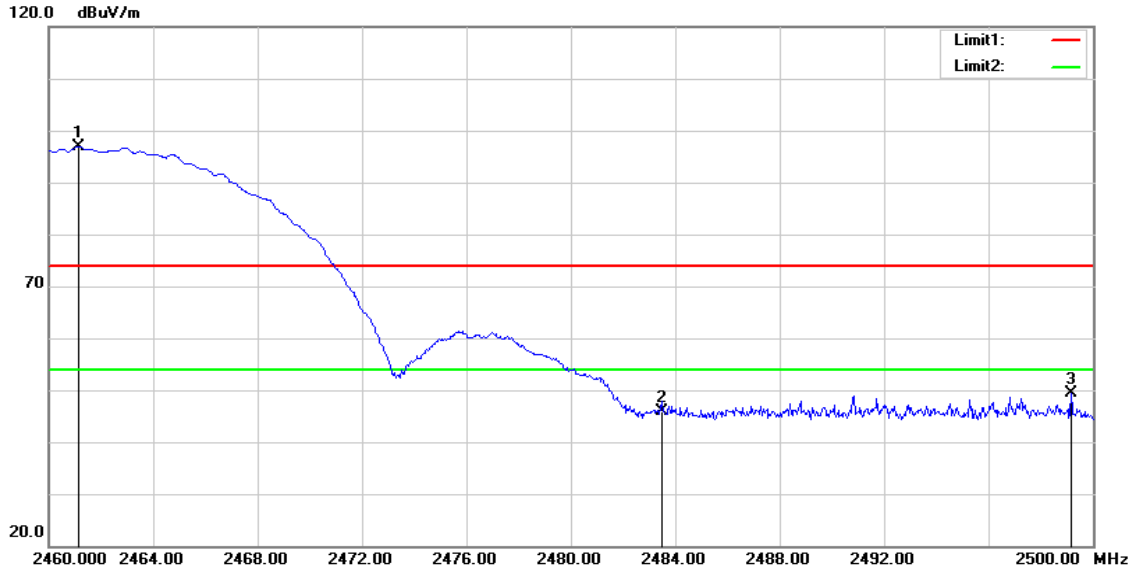
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.120	111.48	-10.70	100.78	---	---	peak
2	2483.500	60.44	-10.65	49.79	74.00	-24.21	peak
3	2486.640	65.72	-10.65	55.07	74.00	-18.93	peak
4	2486.640	59.97	-10.65	49.32	54.00	-4.68	AVG
5	2488.160	66.03	-10.64	55.39	74.00	-18.61	peak
6	2488.160	61.57	-10.64	50.93	54.00	-3.07	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



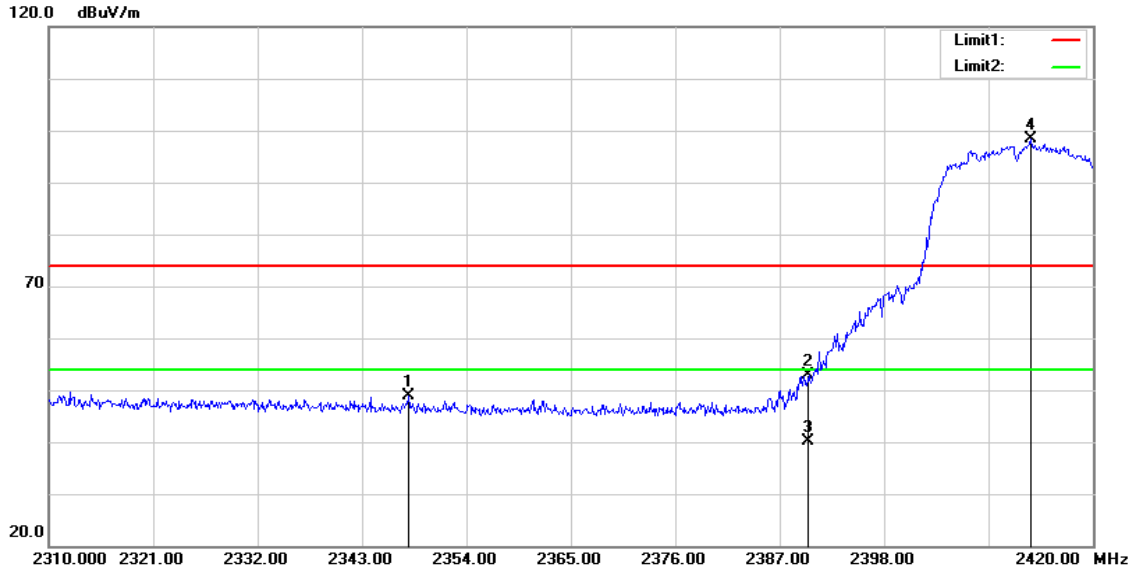
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.120	107.64	-10.70	96.94	---	---	peak
2	2483.500	56.52	-10.65	45.87	74.00	-28.13	peak
3	2499.160	59.97	-10.62	49.35	74.00	-24.65	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



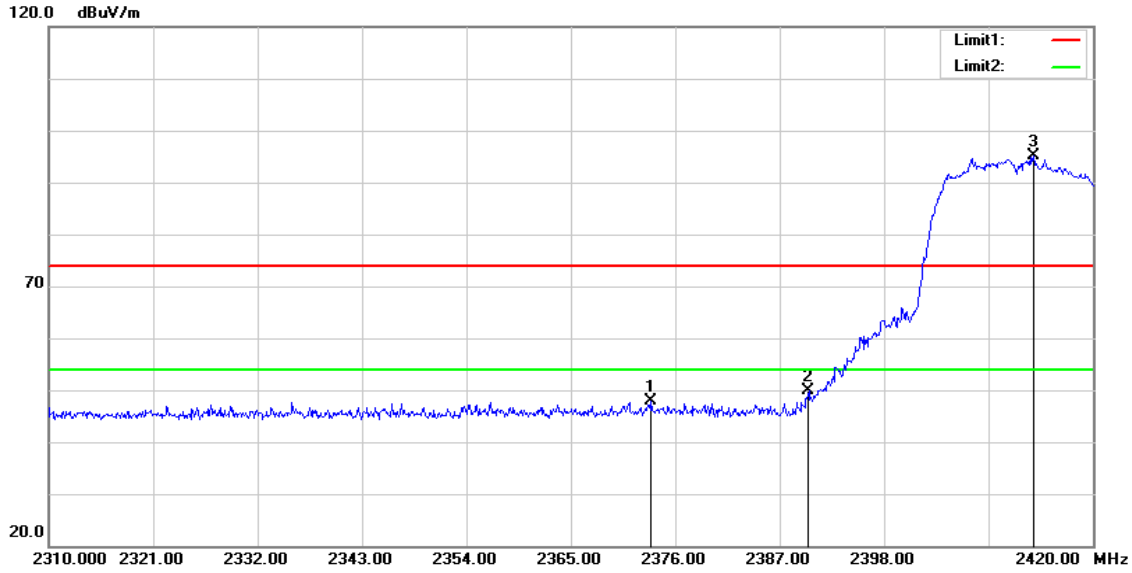
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2347.950	59.77	-10.93	48.84	74.00	-25.16	peak
2	2390.000	63.68	-10.85	52.83	74.00	-21.17	peak
3	2390.000	51.00	-10.85	40.15	54.00	-13.85	AVG
4	2413.510	109.14	-10.80	98.34	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



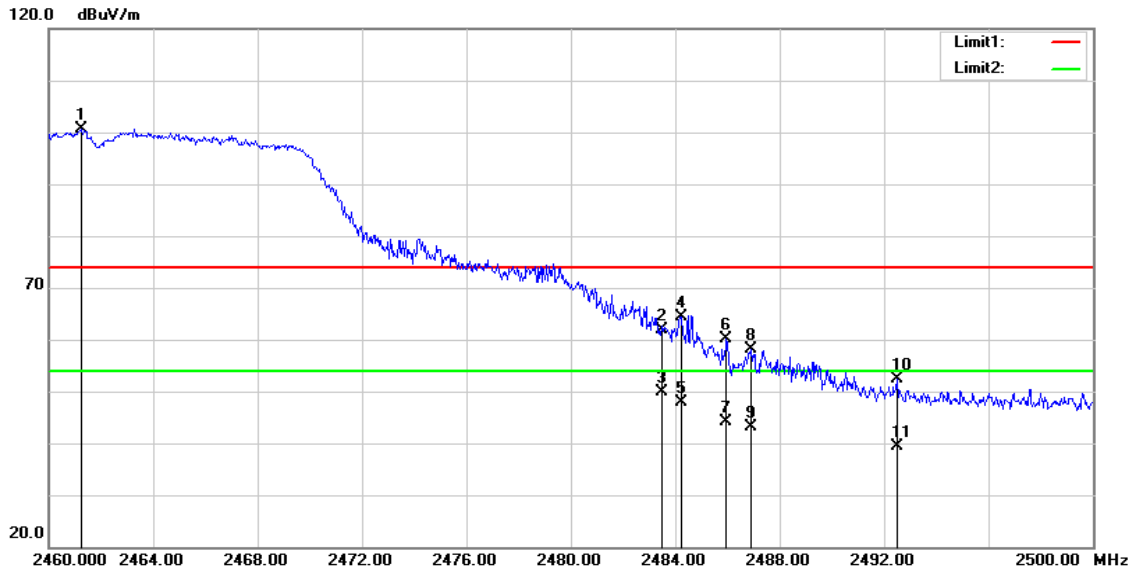
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2373.470	58.81	-10.88	47.93	74.00	-26.07	peak
2	2390.000	60.83	-10.85	49.98	74.00	-24.02	peak
3	2413.730	105.86	-10.80	95.06	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



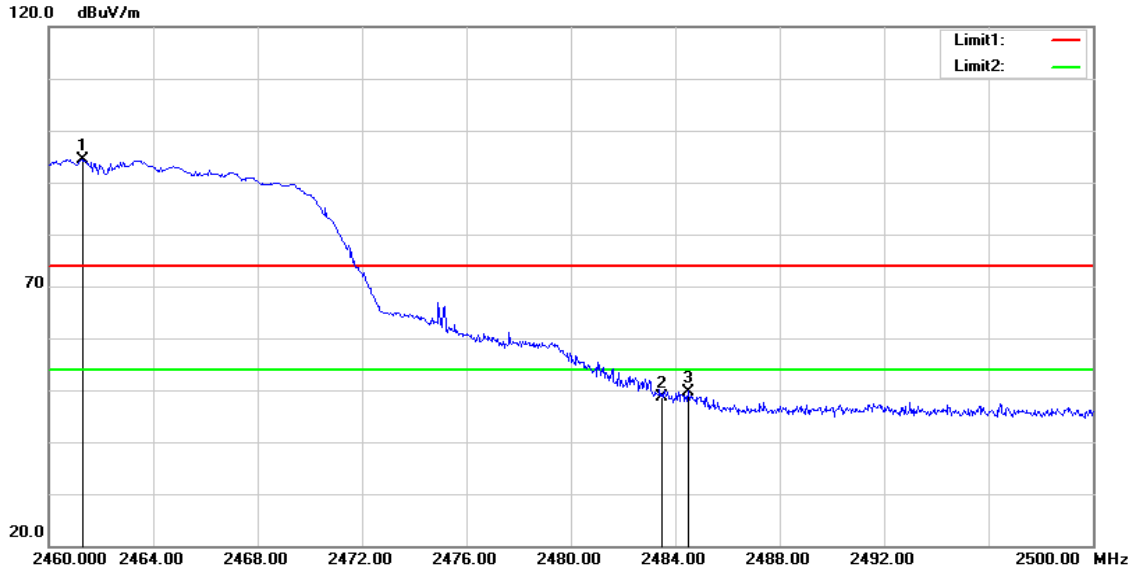
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.240	111.28	-10.70	100.58	---	---	peak
2	2483.500	72.52	-10.65	61.87	74.00	-12.13	peak
3	2483.500	60.61	-10.65	49.96	54.00	-4.04	AVG
4	2484.240	75.10	-10.65	64.45	74.00	-9.55	peak
5	2484.240	58.59	-10.65	47.94	54.00	-6.06	AVG
6	2485.960	70.89	-10.65	60.24	74.00	-13.76	peak
7	2485.960	54.74	-10.65	44.09	54.00	-9.91	AVG
8	2486.920	68.71	-10.65	58.06	74.00	-15.94	peak
9	2486.920	53.67	-10.65	43.02	54.00	-10.98	AVG
10	2492.520	63.09	-10.64	52.45	74.00	-21.55	peak
11	2492.520	49.95	-10.64	39.31	54.00	-14.69	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.280	105.05	-10.70	94.35	---	---	peak
2	2483.500	59.22	-10.65	48.57	74.00	-25.43	peak
3	2484.480	60.40	-10.65	49.75	74.00	-24.25	peak

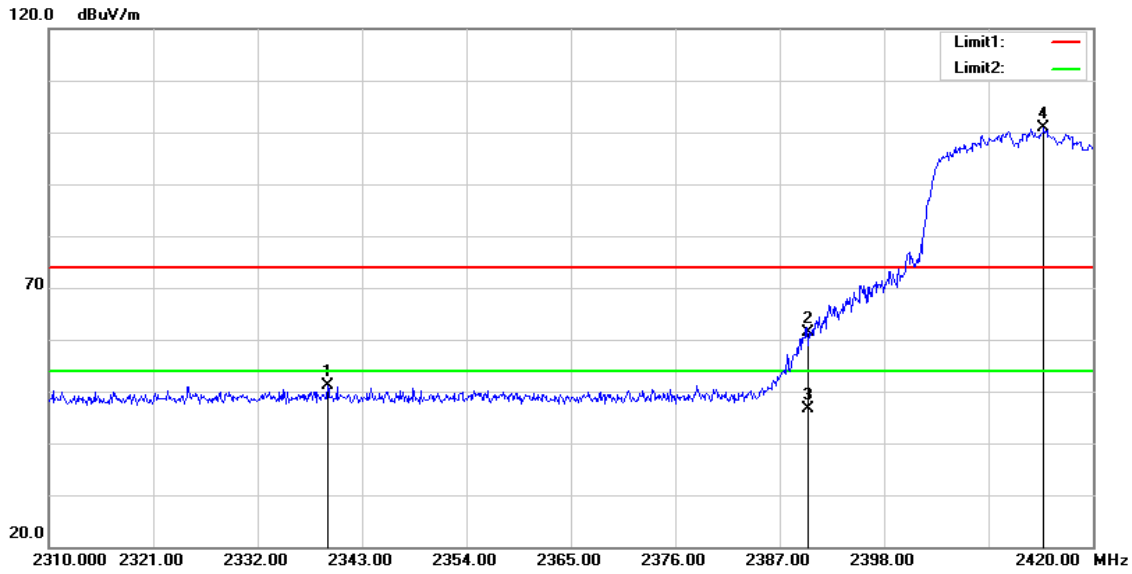
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

ANT-0+ANT-1

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



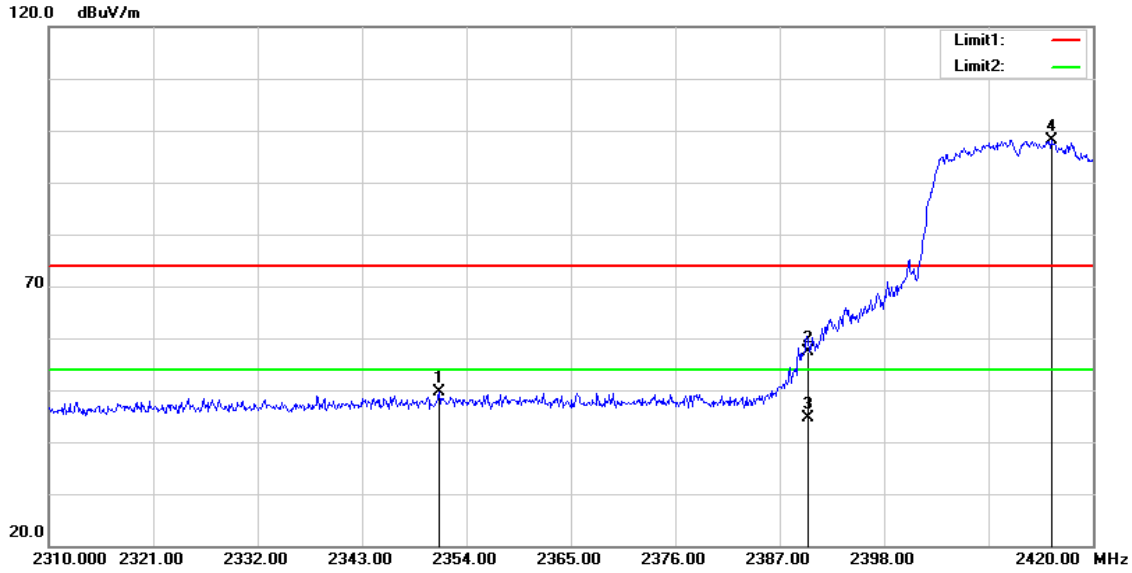
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2339.370	62.00	-10.95	51.05	74.00	-22.95	peak
2	2390.000	72.21	-10.85	61.36	74.00	-12.64	peak
3	2390.000	57.58	-10.85	46.73	54.00	-7.27	AVG
4	2414.830	111.57	-10.80	100.77	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2412MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



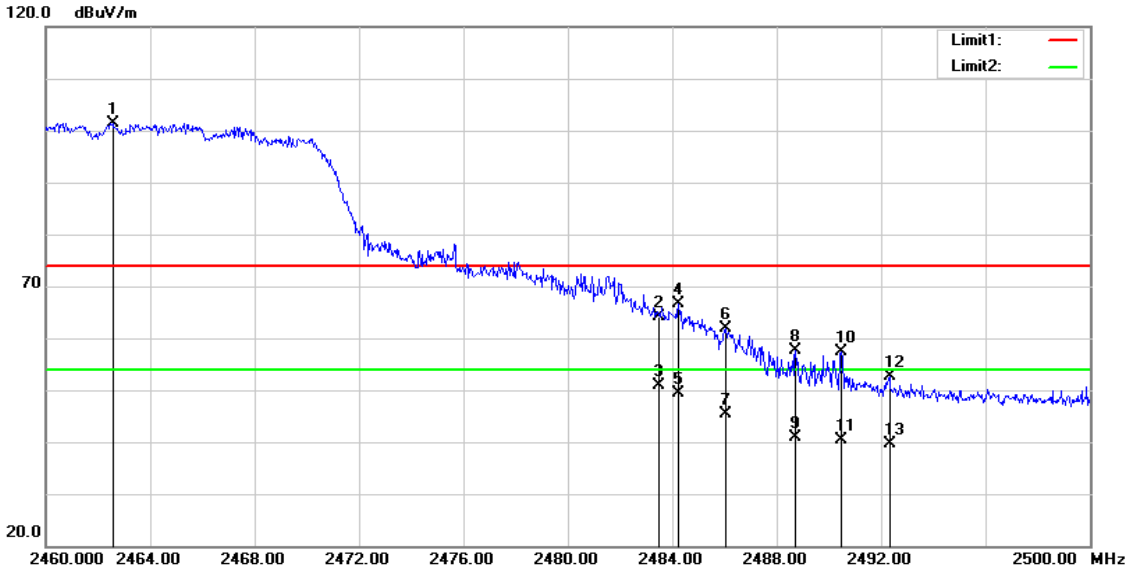
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2351.140	60.54	-10.92	49.62	74.00	-24.38	peak
2	2390.000	68.12	-10.85	57.27	74.00	-16.73	peak
3	2390.000	55.36	-10.85	44.51	54.00	-9.49	AVG
4	2415.600	108.95	-10.79	98.16	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



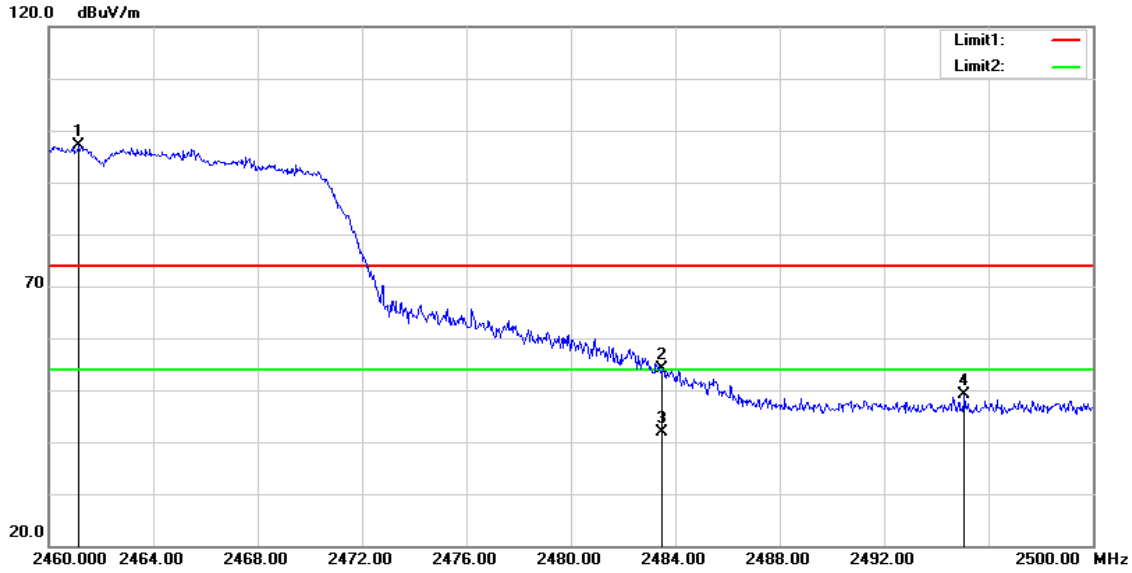
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.560	112.11	-10.70	101.41	---	---	peak
2	2483.500	74.86	-10.65	64.21	74.00	-9.79	peak
3	2483.500	61.55	-10.65	50.90	54.00	-3.10	AVG
4	2484.240	77.21	-10.65	66.56	74.00	-7.44	peak
5	2484.240	60.04	-10.65	49.39	54.00	-4.61	AVG
6	2486.040	72.63	-10.65	61.98	74.00	-12.02	peak
7	2486.040	56.13	-10.65	45.48	54.00	-8.52	AVG
8	2488.720	68.28	-10.64	57.64	74.00	-16.36	peak
9	2488.720	51.64	-10.64	41.00	54.00	-13.00	AVG
10	2490.480	68.00	-10.64	57.36	74.00	-16.64	peak
11	2490.480	50.91	-10.64	40.27	54.00	-13.73	AVG
12	2492.320	63.25	-10.64	52.61	74.00	-21.39	peak
13	2492.320	50.21	-10.64	39.57	54.00	-14.43	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2462MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



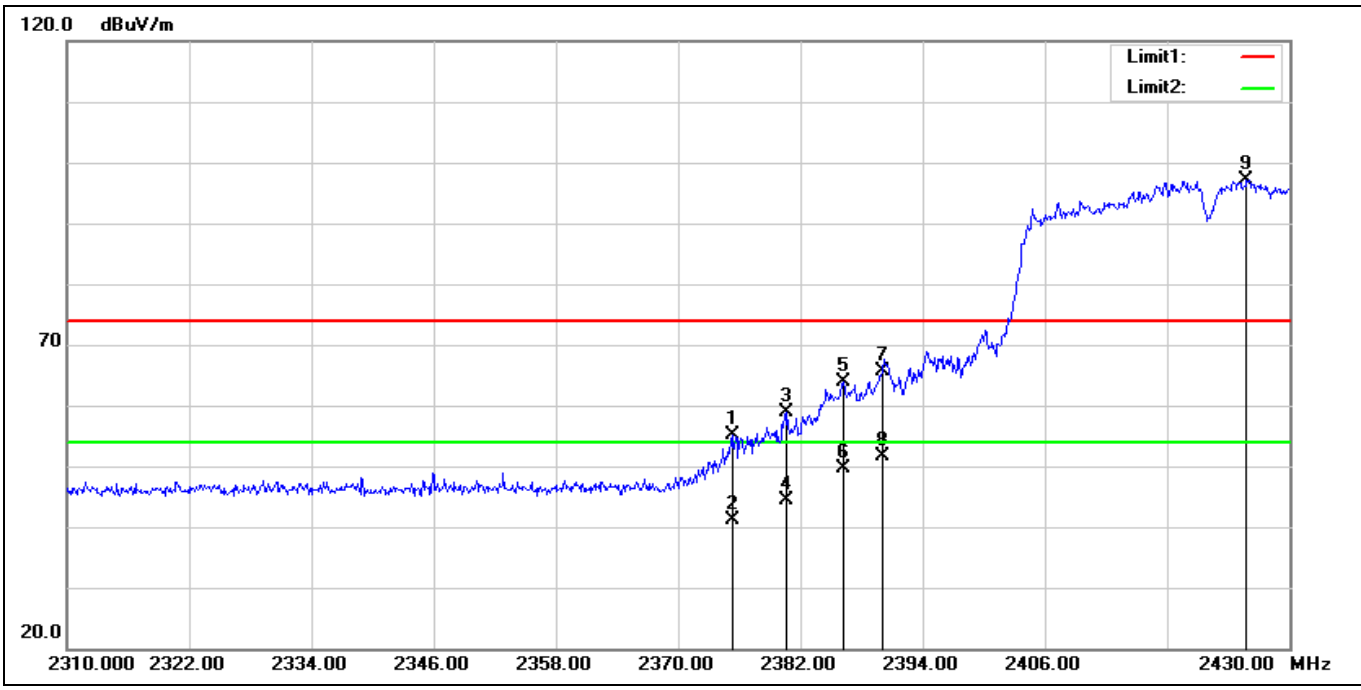
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.160	107.76	-10.70	97.06	---	---	peak
2	2483.500	64.76	-10.65	54.11	74.00	-19.89	peak
3	2483.500	52.49	-10.65	41.84	54.00	-12.16	AVG
4	2495.080	59.67	-10.63	49.04	74.00	-24.96	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2422MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



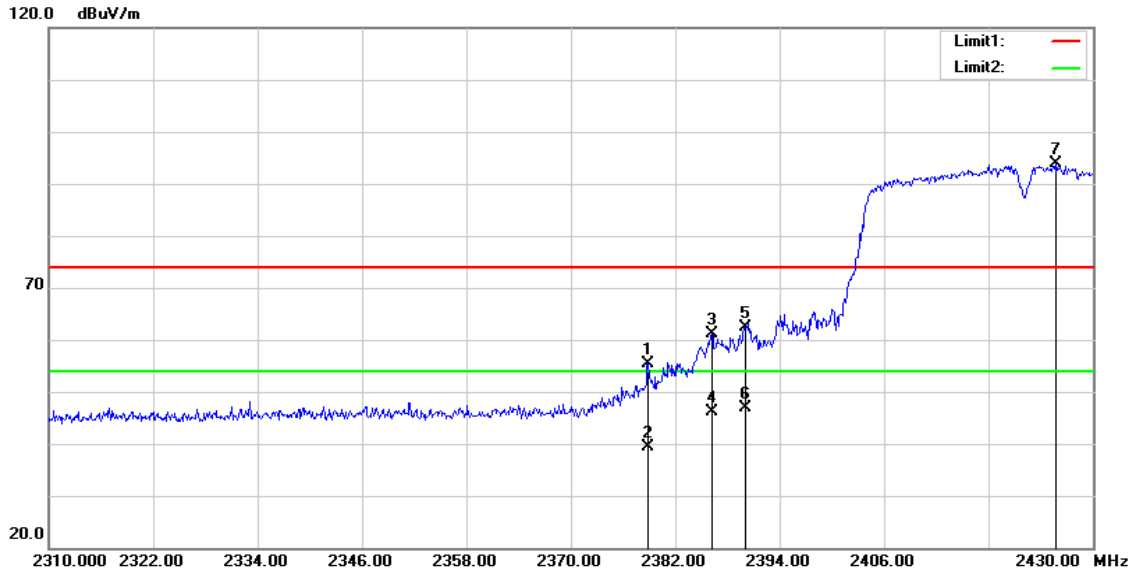
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.280	65.90	-10.87	55.03	74.00	-18.97	peak
2	2375.280	51.99	-10.87	41.12	54.00	-12.88	AVG
3	2380.680	69.86	-10.87	58.99	74.00	-15.01	peak
4	2380.680	55.24	-10.87	44.37	54.00	-9.63	AVG
5	2386.200	74.68	-10.85	63.83	74.00	-10.17	peak
6	2386.200	60.51	-10.85	49.66	54.00	-4.34	AVG
7	2390.000	76.54	-10.85	65.69	74.00	-8.31	peak
8	2390.000	62.48	-10.85	51.63	54.00	-2.37	AVG
9	2425.800	107.93	-10.77	97.16	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2422MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



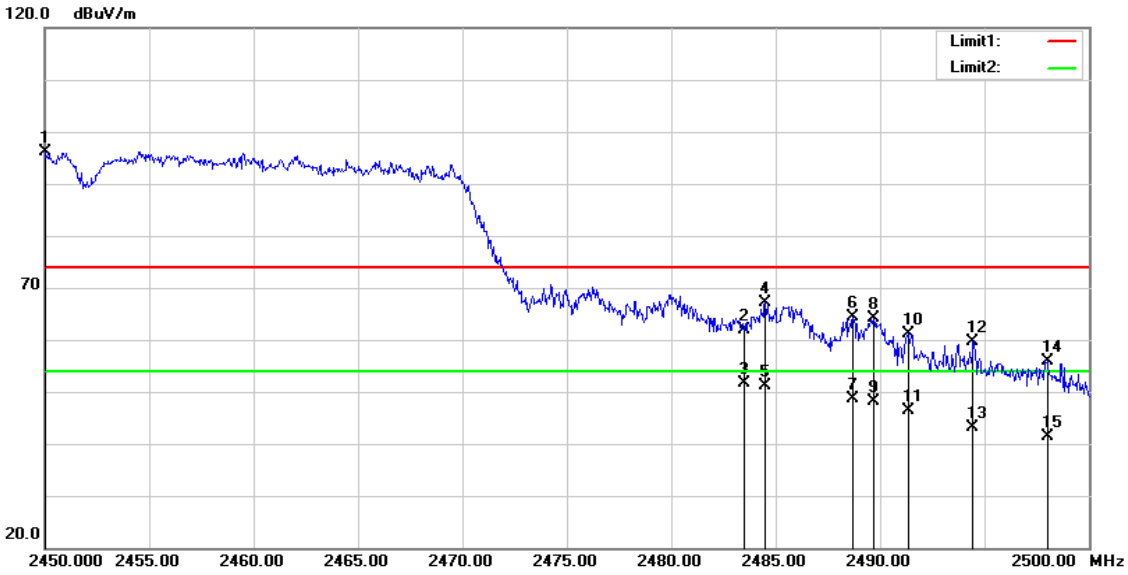
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.880	66.37	-10.87	55.50	74.00	-18.50	peak
2	2378.880	50.35	-10.87	39.48	54.00	-14.52	AVG
3	2386.200	71.88	-10.85	61.03	74.00	-12.97	peak
4	2386.200	57.06	-10.85	46.21	54.00	-7.79	AVG
5	2390.000	73.26	-10.85	62.41	74.00	-11.59	peak
6	2390.000	57.69	-10.85	46.84	54.00	-7.16	AVG
7	2425.800	104.53	-10.77	93.76	---	---	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2452MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



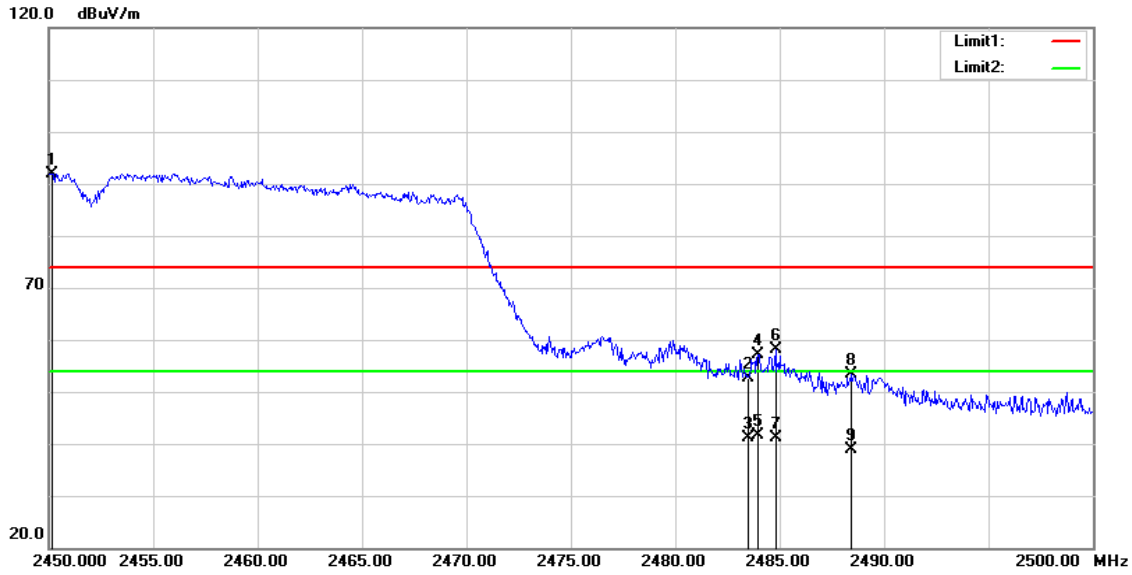
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.000	106.84	-10.72	96.12	---	---	peak
2	2483.500	72.41	-10.65	61.76	74.00	-12.24	peak
3	2483.500	62.26	-10.65	51.61	54.00	-2.39	AVG
4	2484.500	77.84	-10.65	67.19	74.00	-6.81	peak
5	2484.500	61.83	-10.65	51.18	54.00	-2.82	AVG
6	2488.700	74.93	-10.64	64.29	74.00	-9.71	peak
7	2488.700	59.22	-10.64	48.58	54.00	-5.42	AVG
8	2489.700	74.69	-10.64	64.05	74.00	-9.95	peak
9	2489.700	58.80	-10.64	48.16	54.00	-5.84	AVG
10	2491.350	71.72	-10.64	61.08	74.00	-12.92	peak
11	2491.350	56.92	-10.64	46.28	54.00	-7.72	AVG
12	2494.450	70.31	-10.63	59.68	74.00	-14.32	peak
13	2494.450	53.82	-10.63	43.19	54.00	-10.81	AVG
14	2498.000	66.52	-10.62	55.90	74.00	-18.10	peak
15	2498.000	51.96	-10.62	41.34	54.00	-12.66	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	2452MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.150	102.63	-10.72	91.91	---	---	peak
2	2483.500	63.40	-10.65	52.75	74.00	-21.25	peak
3	2483.500	51.83	-10.65	41.18	54.00	-12.82	AVG
4	2483.950	67.78	-10.65	57.13	74.00	-16.87	peak
5	2483.950	52.18	-10.65	41.53	54.00	-12.47	AVG
6	2484.800	68.69	-10.65	58.04	74.00	-15.96	peak
7	2484.800	51.79	-10.65	41.14	54.00	-12.86	AVG
8	2488.450	63.91	-10.64	53.27	74.00	-20.73	peak
9	2488.450	49.58	-10.64	38.94	54.00	-15.06	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.