

RF Test Report

Applicant : Edimax Technology Co., Ltd.
Product Type : 11ac 2T2R Wireless Dual-Band USB Adapter
Trade Name : EDIMAX
Model Number : EW-7822UAC V2.0A, EW-7822UAD
Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013
Received Date : Aug. 06, 2020
Test Period : Aug. 14 ~ Aug. 18, 2020
Issued Date : Nov. 02, 2020

Issued by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz
Test Firm MRA designation number: TW0010

Note:

- 1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
- 2.This report shall not be reproduced except in full, without the written approval of A Test Lab Technology Corporation.
- 3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.



Revision History

Rev.	Issued Date	Revisions	Revised By
00	Nov. 02, 2020	Initial Issue	Yu Chiang

Verification of Compliance

Applicant : Edimax Technology Co., Ltd.

Product Type : 11ac 2T2R Wireless Dual-Band USB Adapter

Trade Name : EDIMAX

Model Number : EW-7822UAC V2.0A, EW-7822UAD

FCC ID : NDD9578222003

EUT Rated Voltage : DC 5 V, 900 mA

Test Voltage : 120 Vac / 60 Hz

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth 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. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Ken Yang
(Manager) (Ken Yang)

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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)	Transmitter Radiated Emissions	PASS	-----
15.247(b)(3)	Max. Output Power	PASS	-----
15.247(a)(2)	6 dB 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	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance 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	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power	0.92 dB	
RF Bandwidth	4.79 %	
Power Spectral Density	0.92 dB	

2 EUT Description

Applicant	Edimax Technology Co., Ltd. No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan			
Manufacturer	Edimax Technology Co., Ltd. No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan			
Product Type	11ac 2T2R Wireless Dual-Band USB Adapter			
Trade Name	EDIMAX			
Model Number	EW-7822UAC V2.0A, EW-7822UAD			
FCC ID	NDD9578222003			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate 400 GI (ns)
IEEE 802.11b	2412 ~ 2462	DSSS	20 MHz	Up to 11 Mbps
IEEE 802.11g	2412 ~ 2462	OFDM	20 MHz	Up to 54 Mbps
IEEE 802.11n 2.4 GHz 20 MHz	2412 ~ 2462	OFDM	20 MHz	Up to 144.4 Mbps
IEEE 802.11n 2.4 GHz 40 MHz	2422 ~ 2452	OFDM	40 MHz	Up to 300 Mbps
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)
	ANT-0	GY121HT632-003	Dipole Antenna	1.32
	ANT-1	GY121HT632-003	Dipole Antenna	2.09
Antenna Delivery	See section 3.1			
Operate Temp. Range	0 ~ +40 °C			

Frequency Band	Max. RF Output Power (W)
IEEE 802.11b	0.053
IEEE 802.11g	0.078
IEEE 802.11n 2.4 GHz 20 MHz	0.118
IEEE 802.11n 2.4 GHz 40 MHz	0.050

Beamforming on

Frequency Band	Max. RF Output Power (W)
IEEE 802.11n 2.4 GHz 20 MHz	0.058
IEEE 802.11n 2.4 GHz 40 MHz	0.024

3 Test Methodology

3.1. Mode of Operation

In the test report use EUT model: EW-7822UAC V2.0A to operate testing.

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 2.4 GHz 20 MHz Continuous TX mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz 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.

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	---	---
Mode 3	V	---	---
Mode 4	V	V	V
Mode 5	V	V	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	1TX / 1RX	1	1, 6, 11
Mode 3	1TX / 1RX	6	1, 6, 11
Mode 4	2TX / 2RX (MIMO/Beamforming on)	13	1, 6, 11
Mode 5	2TX / 2RX (MIMO/Beamforming on)	27	3, 6, 9

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412.0	8.240	8.260	0.998	0.011	0.010
Mode 3	2412.0	1.370	1.415	0.968	0.140	0.730
Mode 4	2412.0	0.669	0.714	0.937	0.283	1.495
Mode 5	2422.0	0.346	0.394	0.878	0.564	2.890

Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 4	2412.0	0.669	0.714	0.937	0.283	1.495
Mode 5	2422.0	0.346	0.394	0.878	0.564	2.890



Duty Cycle Graphs

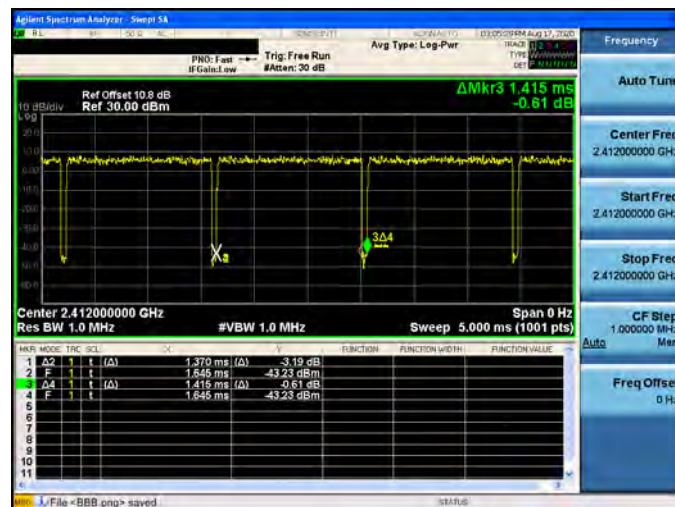
Mode 2: IEEE 802.11b Continuous TX mode

On+off time



Mode 3: IEEE 802.11g Continuous TX mode

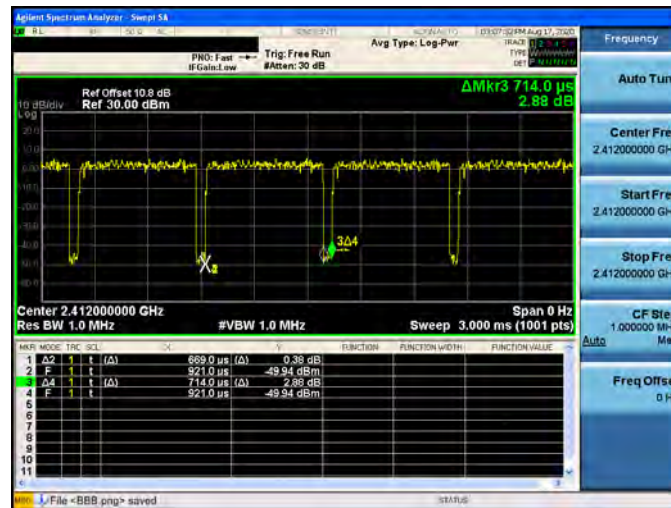
On+off time





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

On+off time



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

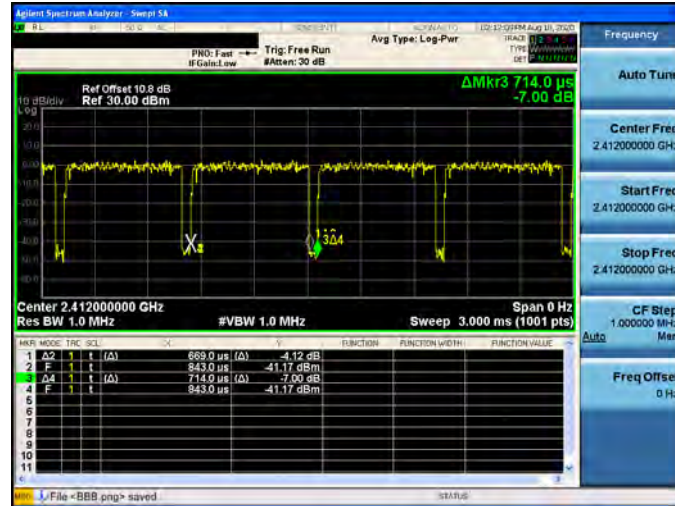
On+off time



Beamforming on

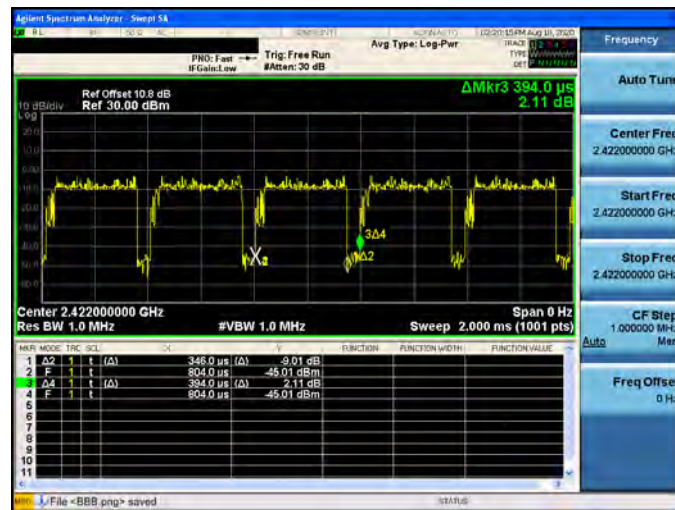
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

On+off time



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

On+off time





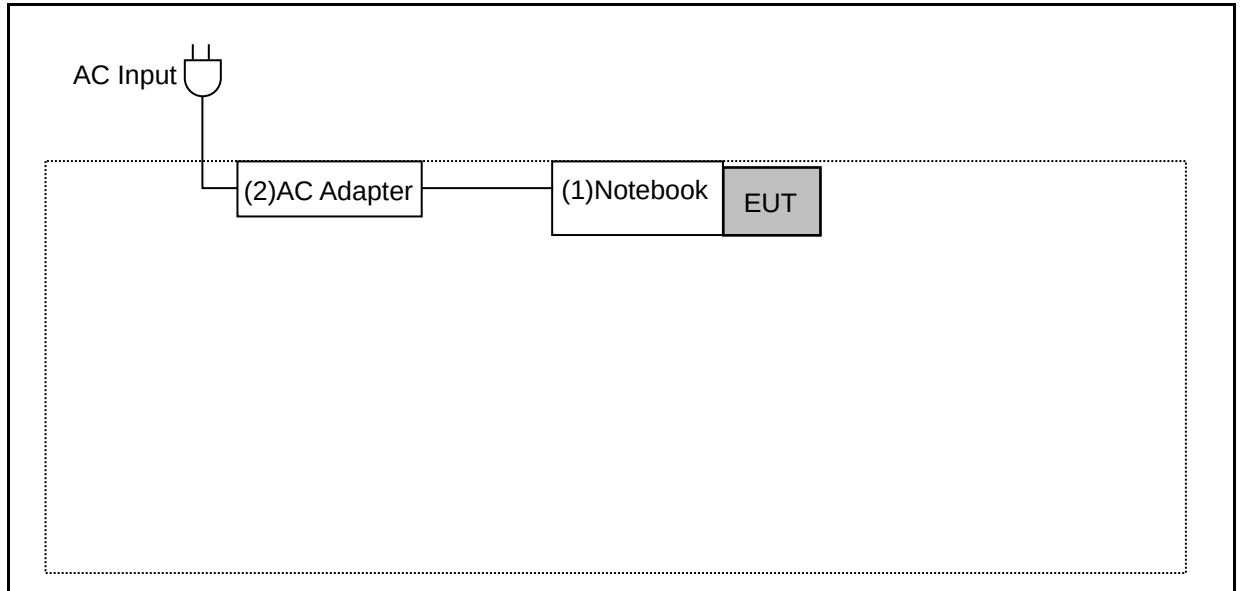
3.2. EUT Test Step

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.

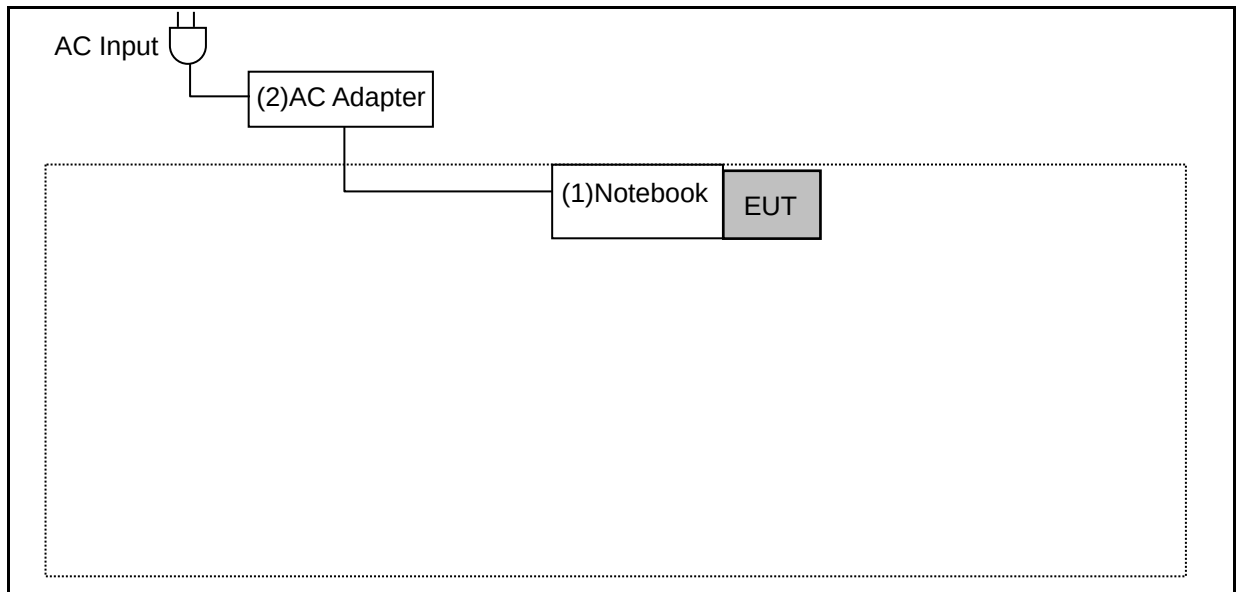
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission





Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power cord
(1)	Notebook	ASUS	P2430U	GANXCV04H86940A	---
(2)	AC Adapter	ASUS	ADP-65GD B	---	Non-Shielded, 0.8 m

3.4. Test Instruments

For Conducted Emission

Test Period: Aug. 18, 2020

Testing Engineer: Paul Chiu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/25/2020	1 year
LISN	R&S	ENV216	101040	03/23/2020	1 year
LISN	R&S	ENV216	101041	04/06/2020	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/25/2020	1 year

For Radiated Emissions

Test Period: Aug. 14 ~ Aug. 15, 2020

Testing Engineer: JS Liao

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	04/14/2020	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/18/2019	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/15/2020	1 year
Broadband Antenna	Schwarzbeck	VULB9168	01146	07/03/2020	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	02207	06/30/2020	1 year
Horn Antenna (18~40 GHz)	ETS	3116	00086467	12/13/2019	1 year
Coaxial Cable	Titan	T0710AT327A10A 100	J11005	08/13/2020	1 year
Coaxial Cable	Titan	T0710AT327A10A 900	J11004	08/13/2020	1 year
Coaxial Cable	Titan	T0712AT340A12A 900	J11002	08/13/2020	1 year

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



For Conducted

Test Period: Aug. 17 ~ Aug. 18, 2020

Testing Engineer: Peter Shui

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Power Sensor	Anritsu	MA2411B	1126022	09/02/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/02/2019	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year

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

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

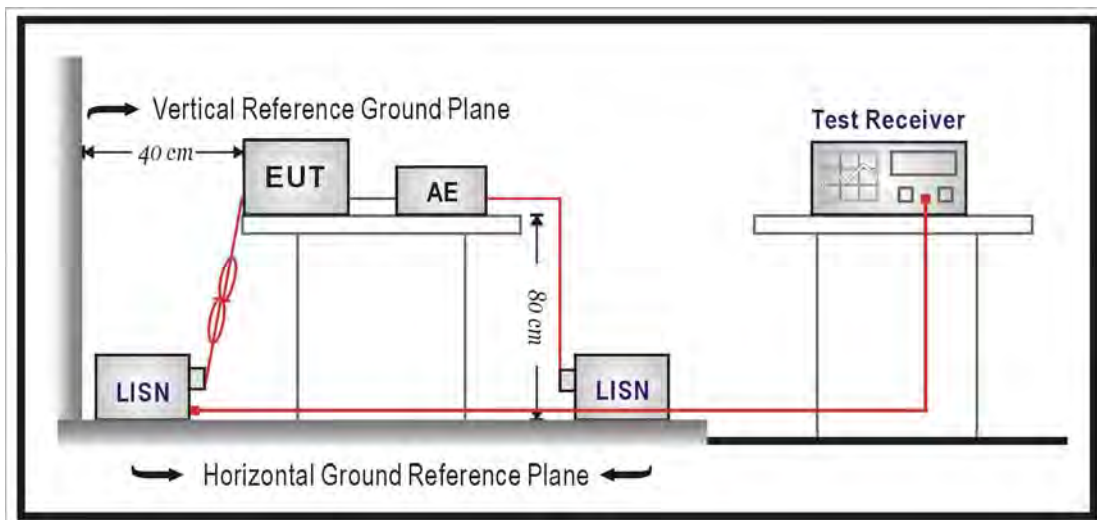
4 Measurement Procedure

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 $50\ \Omega // 50\ \mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance with 50 ohm 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 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm 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 150 kHz to 30 MHz 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 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm 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 0.1 m. 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

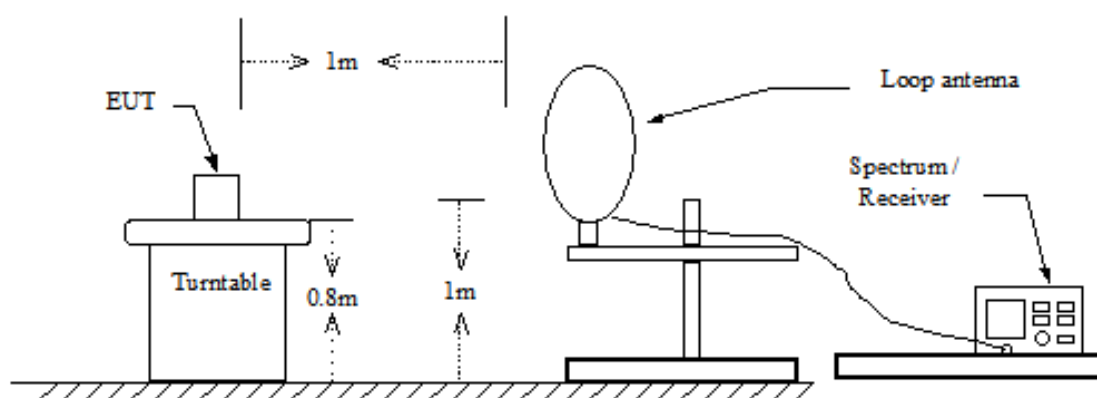
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$ 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

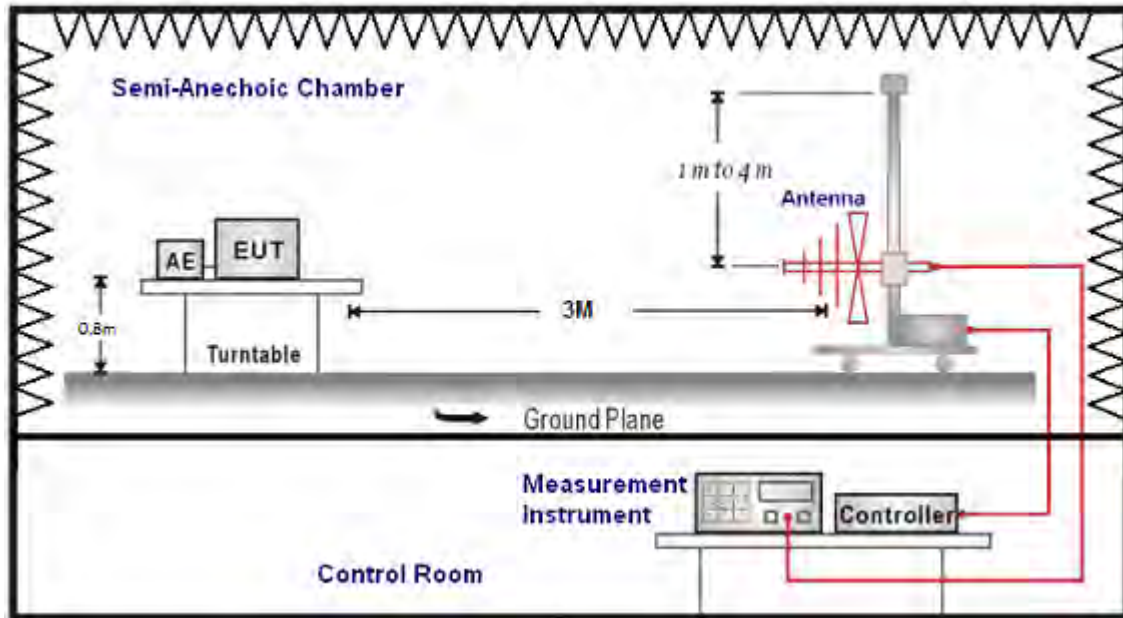
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

■ Setup

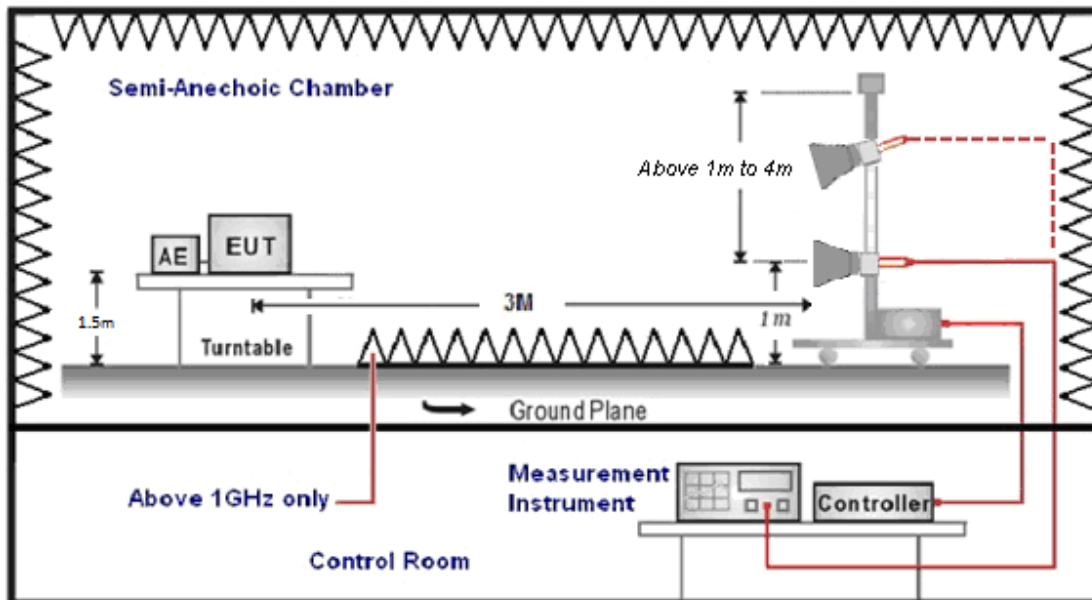
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz



■ 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 GHz is 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 3 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 three 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 (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB 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 volts 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) $\text{Amplitude (dBuV/m)} = \text{FI (dBuV)} + \text{AF (dBuV)} + \text{CL (dBuV)} - \text{Gain (dB)}$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

(2) $\text{Actual Amplitude (dBuV/m)} = \text{Amplitude (dBuV)} - \text{Dis(dB)}$

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30 dBm

(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 20 dB 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 2400-2483.5 MHz, the limit for maximum output power is 30 dBm.

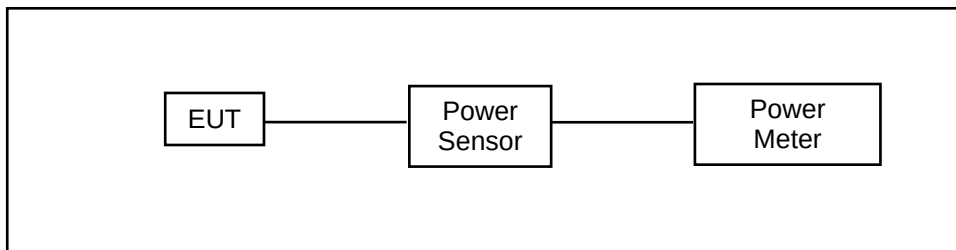
And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

IEEE 802.11n 2.4 GHz 20 MHz / IEEE 802.11n 2.4 GHz 40 MHz

MIMO mode:

Directional = $G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\} = 1.72 \text{ dBi} < 6 \text{ dBi}$

■ Test Setup



■ Test Procedure

The testing follows the Measurement Procedure of ANSI C63.10:2013 section 11.9.2.3.2 Method AVGPM.

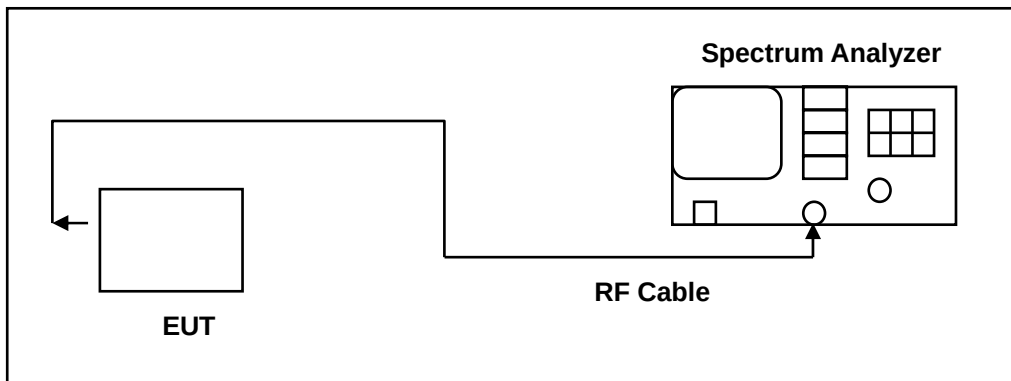
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

4.4. 6 dB RF Bandwidth Measurement

■ Limit

6 dB 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 ANSI C63.10:2013 section 11.8.2 option2 for compliance to FCC 47CFR 15.247 requirements.

6 dB 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

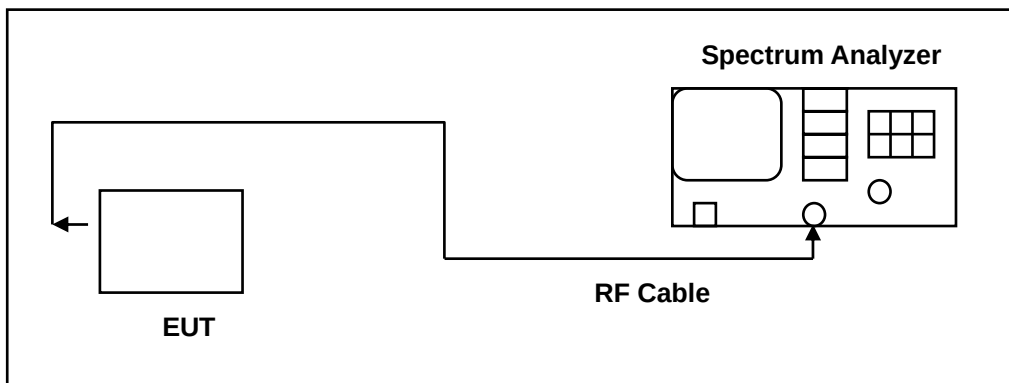
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz / IEEE 802.11n 2.4 GHz 40 MHz

MIMO mode:

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 4.72 dBi < 6dBi

■ Test Setup



■ Test Procedure

The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.10.2 Method PKPSD for compliance to FCC 47CFR 15.247 requirements.

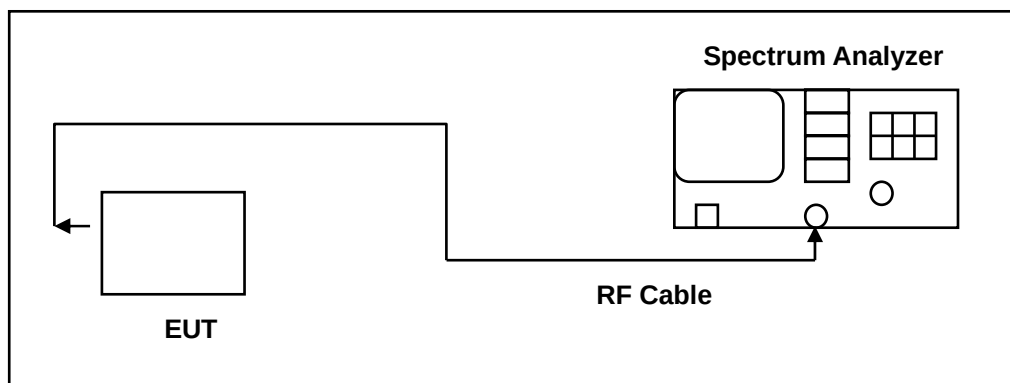
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
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 6 dBi.

■ Antenna Description

See section 2 – antenna information.

■ Directional Gain Calculated

Operate Freq. Band	Directional Gain (dBi)
IEEE 802.11b	1.32
IEEE 802.11g	1.32
IEEE 802.11n 2.4 GHz 20 MHz	1.72
IEEE 802.11n 2.4 GHz 40 MHz	1.72

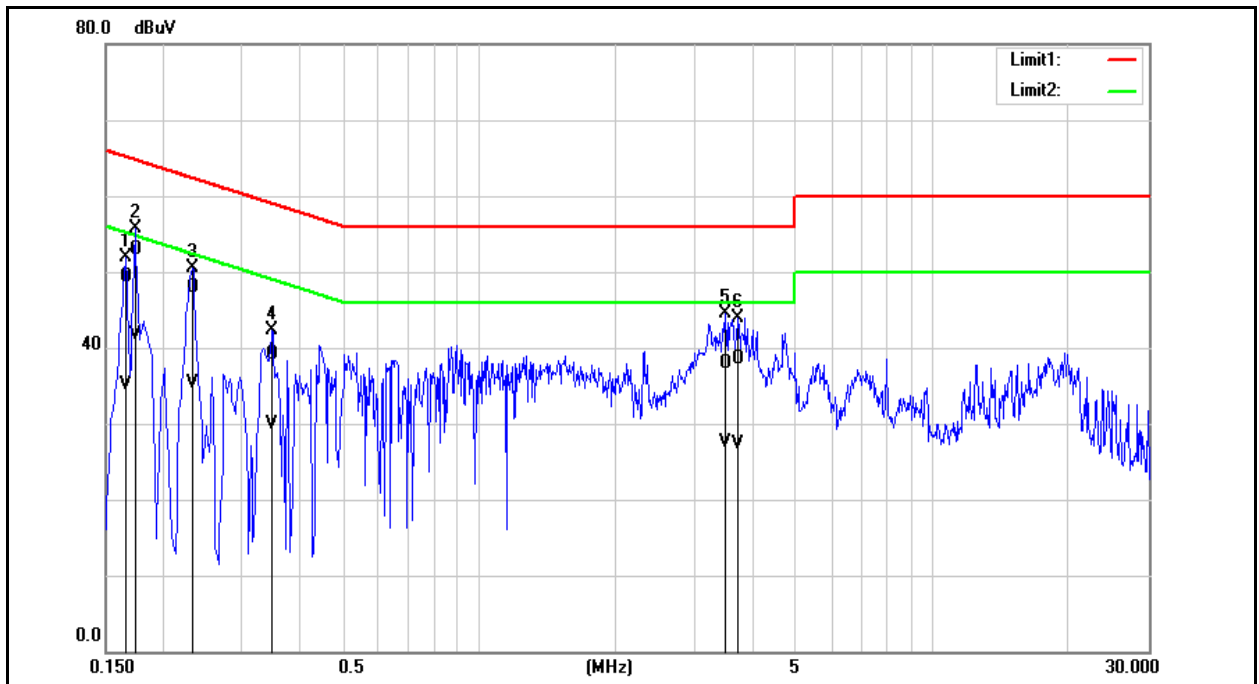
Beamforming on

Operate Freq. Band	Directional Gain (dBi)
IEEE 802.11n 2.4 GHz 20 MHz	1.72
IEEE 802.11n 2.4 GHz 40 MHz	1.72

5 Test Results

Annex A. Conducted Emission

Standard:	FCC Part 15.247	Line:	L1
Test item:	Conducted Emission		AC 120 V/60 Hz
Mode:	Mode 1		
Description:			

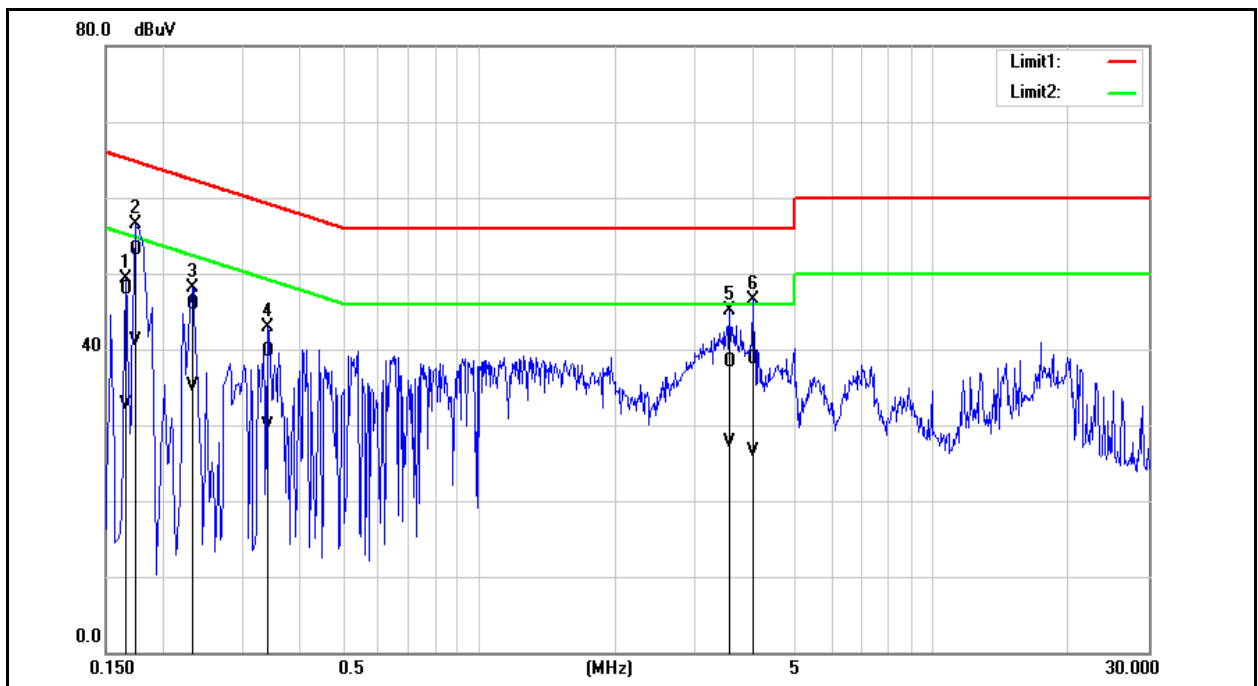


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1660	39.69	25.53	9.65	49.34	35.18	65.16	55.16	-15.82	-19.98	Pass
2	0.1740	43.31	32.15	9.65	52.96	41.80	64.77	54.77	-11.81	-12.97	Pass
3	0.2340	38.25	25.64	9.64	47.89	35.28	62.31	52.31	-14.42	-17.03	Pass
4	0.3500	29.49	20.28	9.65	39.14	29.93	58.96	48.96	-19.82	-19.03	Pass
5	3.5020	28.08	17.78	9.77	37.85	27.55	56.00	46.00	-18.15	-18.45	Pass
6	3.7220	28.67	17.54	9.77	38.44	27.31	56.00	46.00	-17.56	-18.69	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

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

Standard:	FCC Part 15.247	Line:	N
Test item:	Conducted Emission		AC 120 V/60 Hz
Mode:	Mode 1		
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	0.1660	38.27	22.97	9.68	47.95	32.65	65.16	55.16	-17.21	-22.51	Pass
2	0.1740	43.51	31.51	9.68	53.19	41.19	64.77	54.77	-11.58	-13.58	Pass
3	0.2340	36.26	25.39	9.67	45.93	35.06	62.31	52.31	-16.38	-17.25	Pass
4	0.3420	29.99	20.15	9.68	39.67	29.83	59.15	49.15	-19.48	-19.32	Pass
5	3.5780	28.50	17.83	9.80	38.30	27.63	56.00	46.00	-17.70	-18.37	Pass
6	4.0260	28.84	16.61	9.80	38.64	26.41	56.00	46.00	-17.36	-19.59	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + 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					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 2	2412	1 M	17.02	0.050	≤ 30
	2437		17.21	0.053	≤ 30
	2462		16.80	0.048	≤ 30
Mode 3	2412	6 M	16.72	0.047	≤ 30
	2437		18.94	0.078	≤ 30
	2462		16.51	0.045	≤ 30
Mode 4	2412	13 M	13.04	0.020	≤ 30
	2437		16.72	0.047	≤ 30
	2462		12.72	0.019	≤ 30
Mode 5	2422	27 M	12.75	0.019	≤ 30
	2437		13.22	0.021	≤ 30
	2452		12.04	0.016	≤ 30

ANT-1					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 4	2412	13 M	14.44	0.028	≤ 30
	2437		18.54	0.071	≤ 30
	2462		14.32	0.027	≤ 30
Mode 5	2422	27 M	14.14	0.026	≤ 30
	2437		14.64	0.029	≤ 30
	2452		13.62	0.023	≤ 30

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

ANT-0+1					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 4	2412	13 M	16.81	0.048	≤ 30
	2437		20.73	0.118	≤ 30
	2462		16.60	0.046	≤ 30
Mode 5	2422	27 M	16.51	0.045	≤ 30
	2437		17.00	0.050	≤ 30
	2452		15.91	0.039	≤ 30

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

Beamforming on

ANT-0					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 4	2412	13 M	9.56	0.009	≤ 30
	2437		13.64	0.023	≤ 30
	2462		9.17	0.008	≤ 30
Mode 5	2422	27 M	9.12	0.008	≤ 30
	2437		10.03	0.010	≤ 30
	2452		8.71	0.007	≤ 30

ANT-1					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 4	2412	13 M	11.14	0.013	≤ 30
	2437		15.38	0.035	≤ 30
	2462		10.97	0.013	≤ 30
Mode 5	2422	27 M	10.88	0.012	≤ 30
	2437		11.54	0.014	≤ 30
	2452		10.46	0.011	≤ 30

ANT-0+1					
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		
			Measurement Results		
			dBm	W	dBm
Mode 4	2412	13 M	13.43	0.022	≤ 30
	2437		17.61	0.058	≤ 30
	2462		13.17	0.021	≤ 30
Mode 5	2422	27 M	13.10	0.020	≤ 30
	2437		13.86	0.024	≤ 30
	2452		12.68	0.019	≤ 30

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



6 dB RF Bandwidth Measurement

ANT-0			
Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 2	2412	9084	≥ 500
	2437	9096	≥ 500
	2462	8590	≥ 500
Mode 3	2412	16350	≥ 500
	2437	16360	≥ 500
	2462	16390	≥ 500
Mode 4	2412	17090	≥ 500
	2437	16840	≥ 500
	2462	16970	≥ 500
Mode 5	2422	36330	≥ 500
	2437	36140	≥ 500
	2452	35860	≥ 500

ANT-1			
Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 4	2412	17560	≥ 500
	2437	16980	≥ 500
	2462	16960	≥ 500
Mode 5	2422	35860	≥ 500
	2437	35840	≥ 500
	2452	35980	≥ 500

Beamforming on

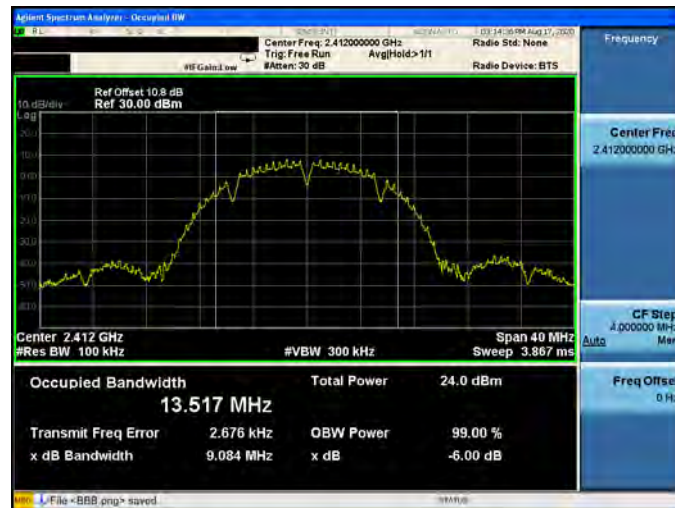
ANT-0			
Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 4	2412	16950	≥ 500
	2437	16960	≥ 500
	2462	17300	≥ 500
Mode 5	2422	36140	≥ 500
	2437	36120	≥ 500
	2452	35900	≥ 500

ANT-1			
Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 4	2412	16970	≥ 500
	2437	17540	≥ 500
	2462	17190	≥ 500
Mode 5	2422	35830	≥ 500
	2437	36030	≥ 500
	2452	35860	≥ 500

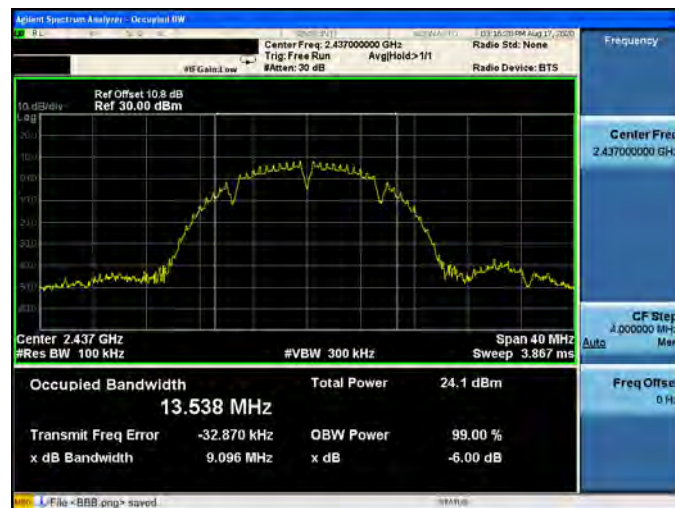
■ Test Graphs

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

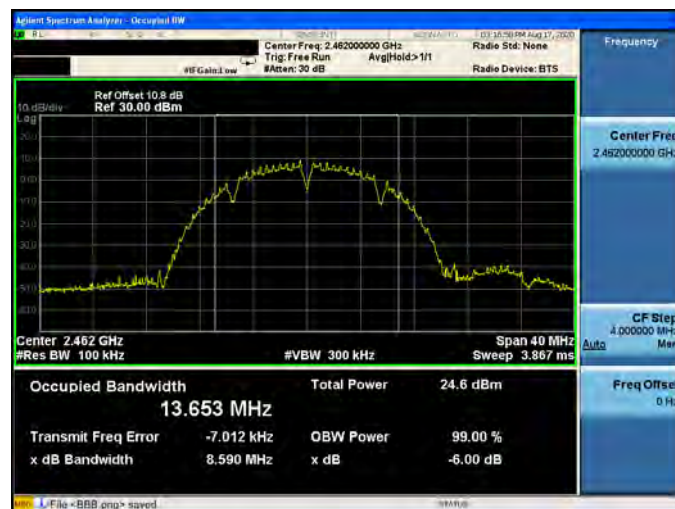
2412 MHz



2437 MHz

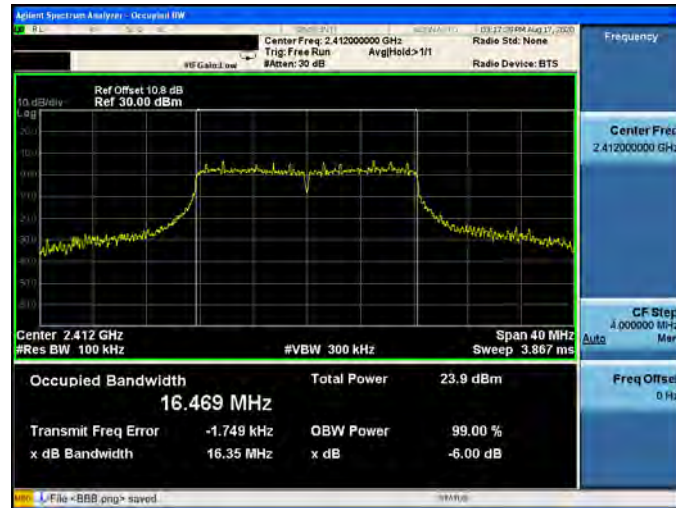


2462 MHz

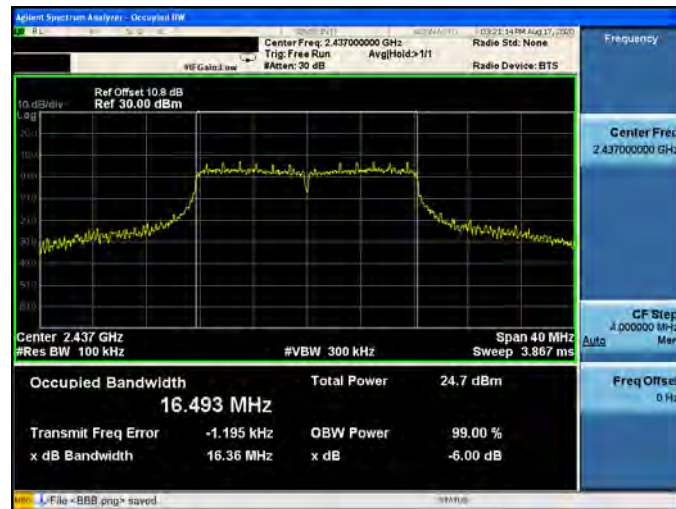


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

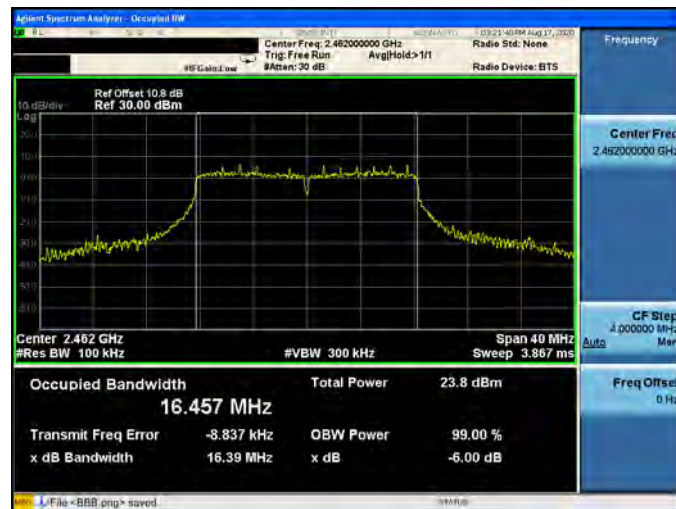
2412 MHz



2437 MHz

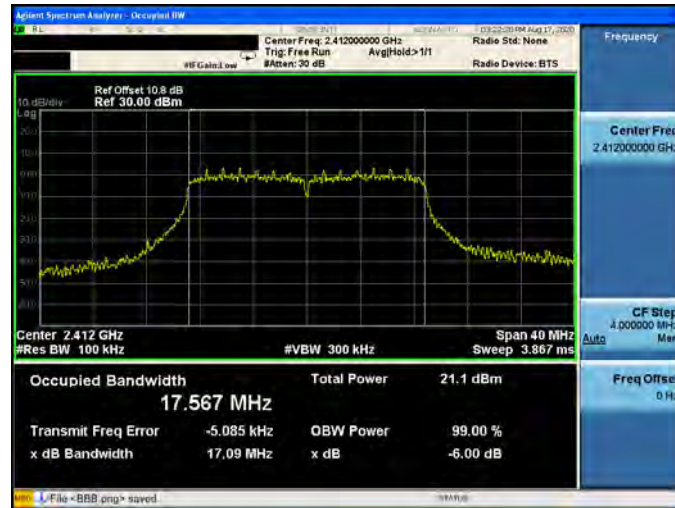


2462 MHz

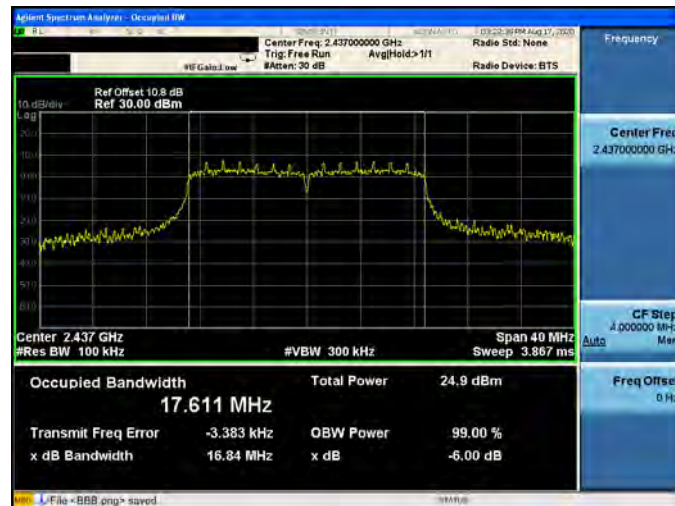


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-0

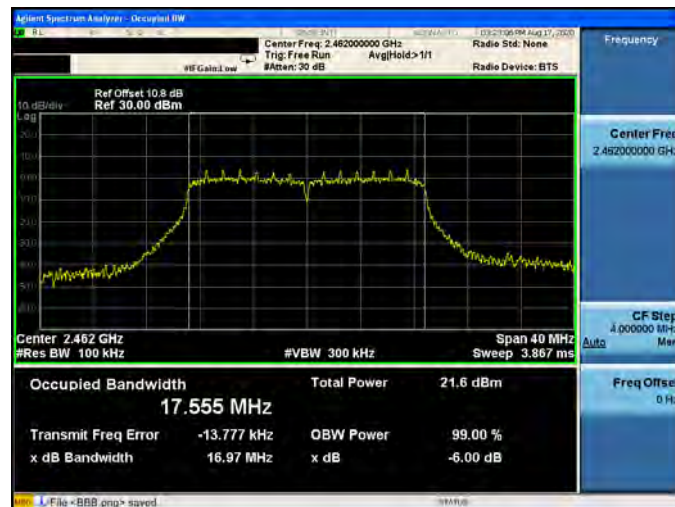
2412 MHz



2437 MHz

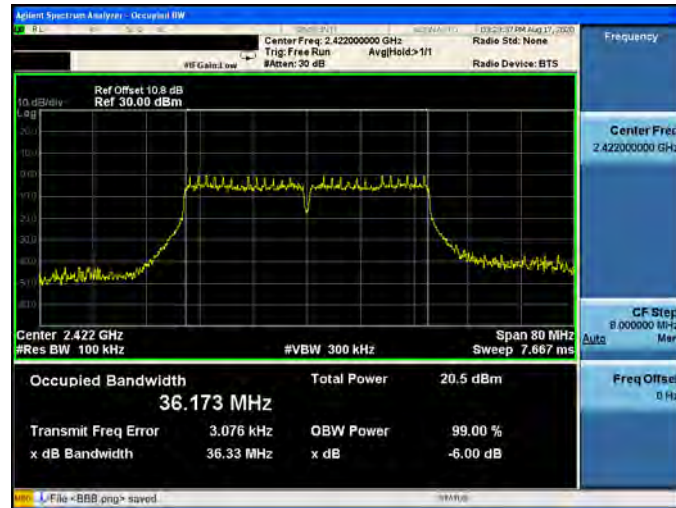


2462 MHz

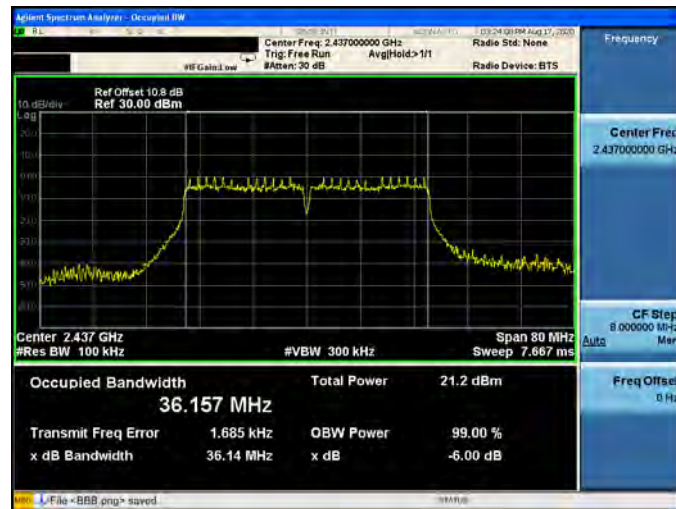


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode_ANT-0

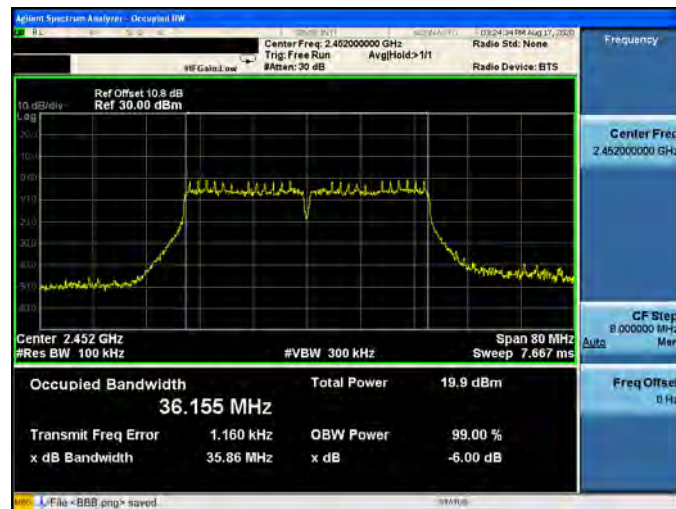
2422 MHz



2437 MHz

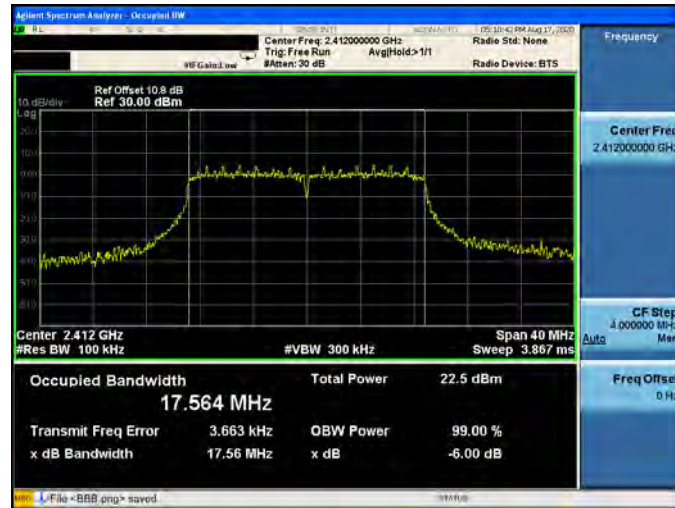


2452 MHz

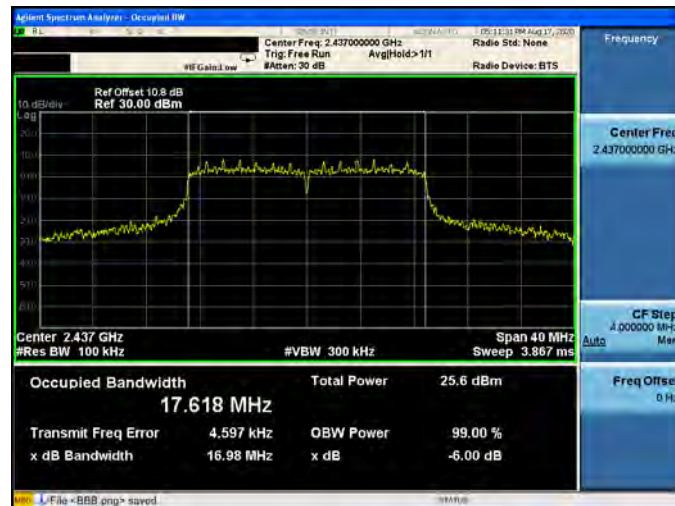


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

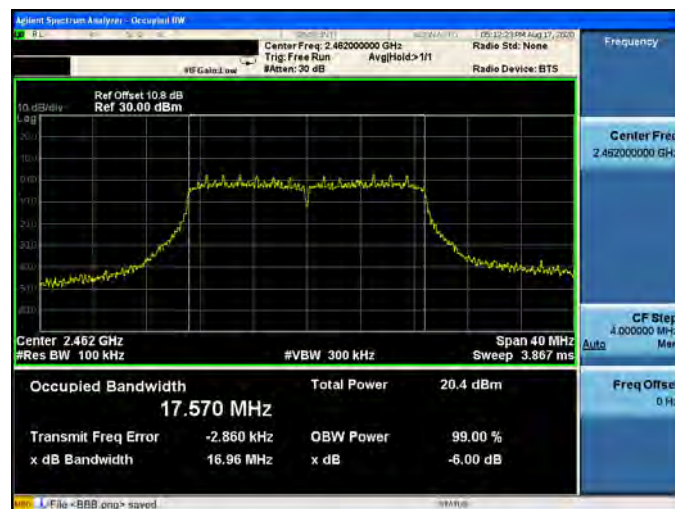
2412 MHz



2437 MHz

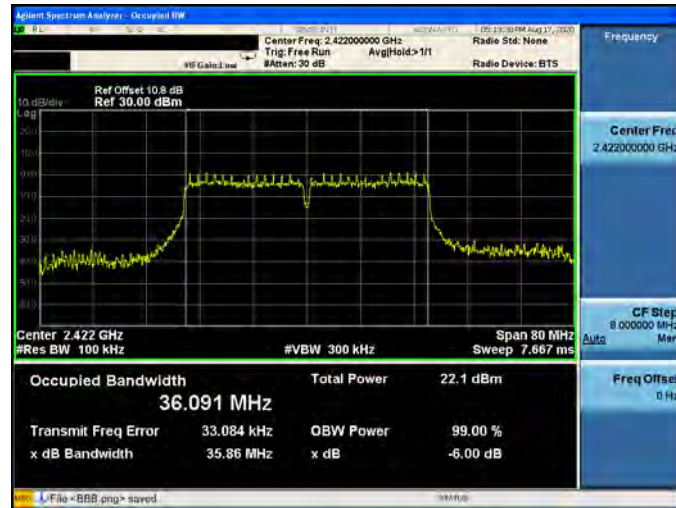


2462 MHz

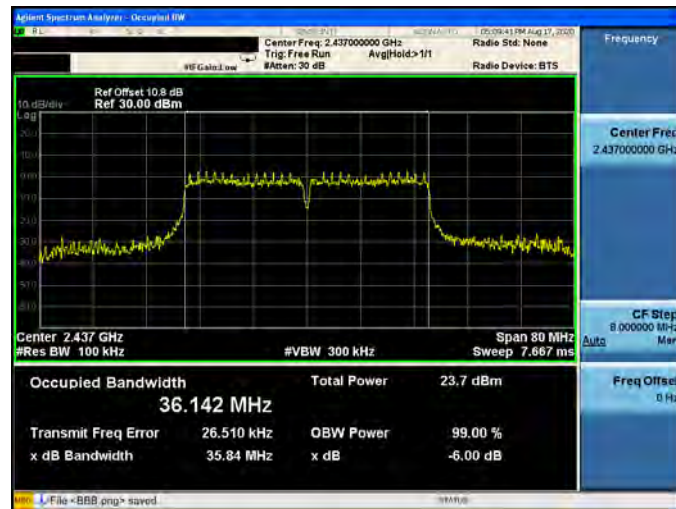


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

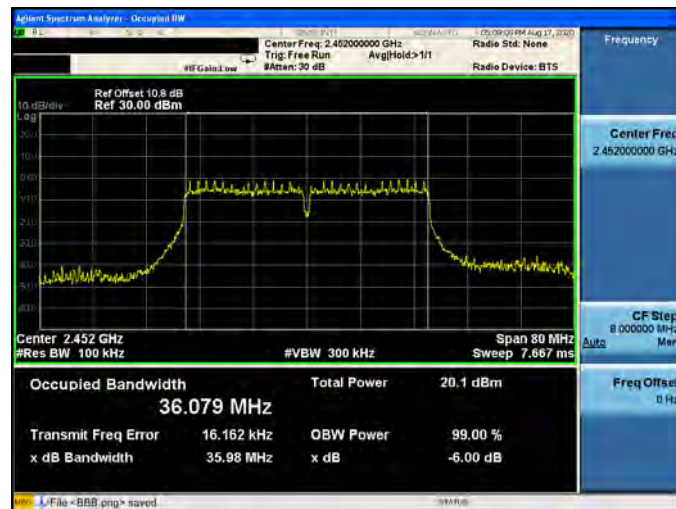
2422 MHz



2437 MHz



2452 MHz

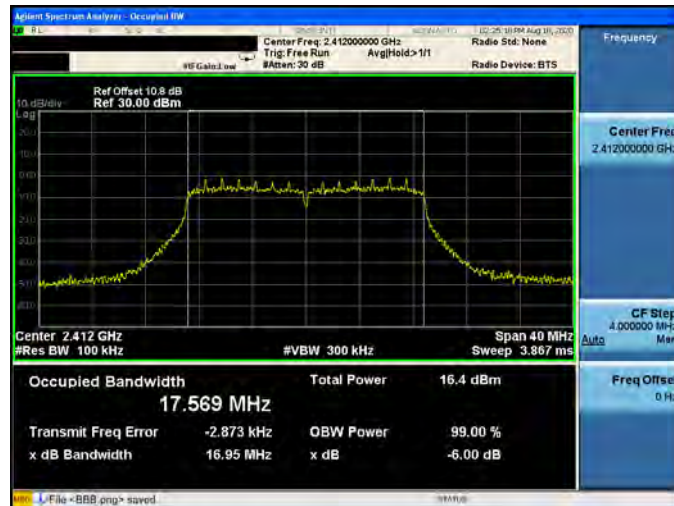




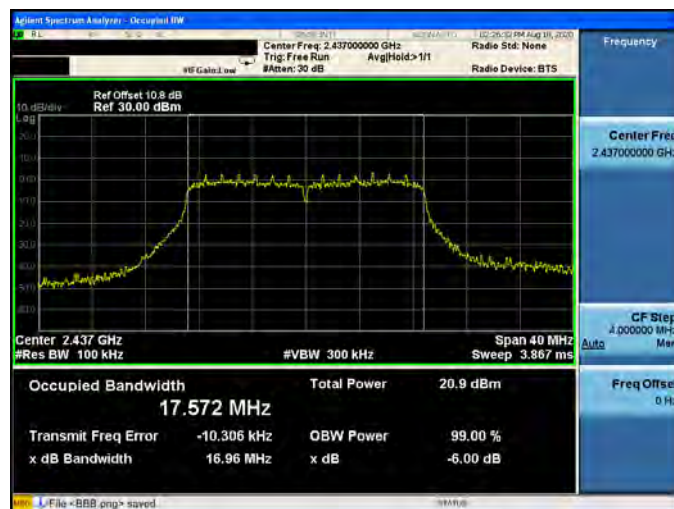
Beamforming on

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

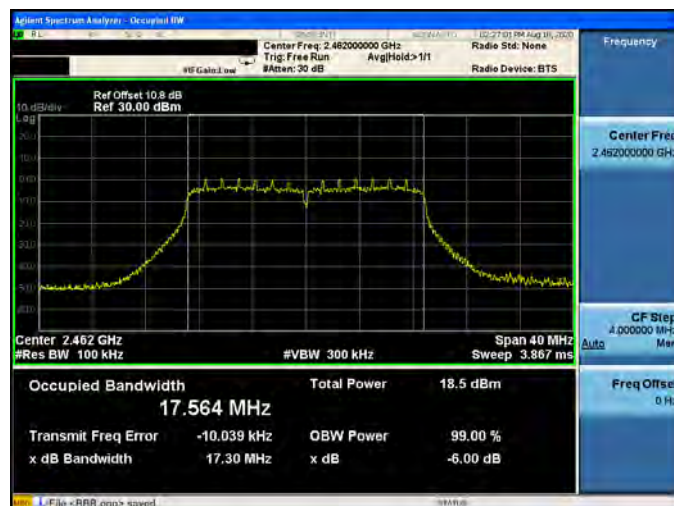
2412 MHz



2437 MHz

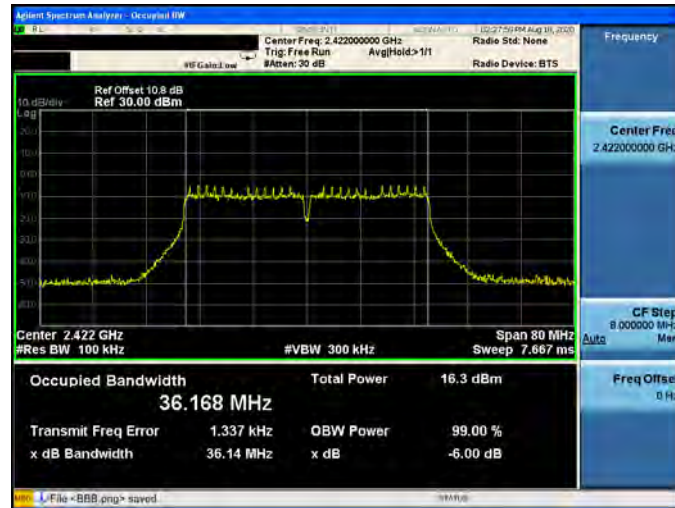


2462 MHz

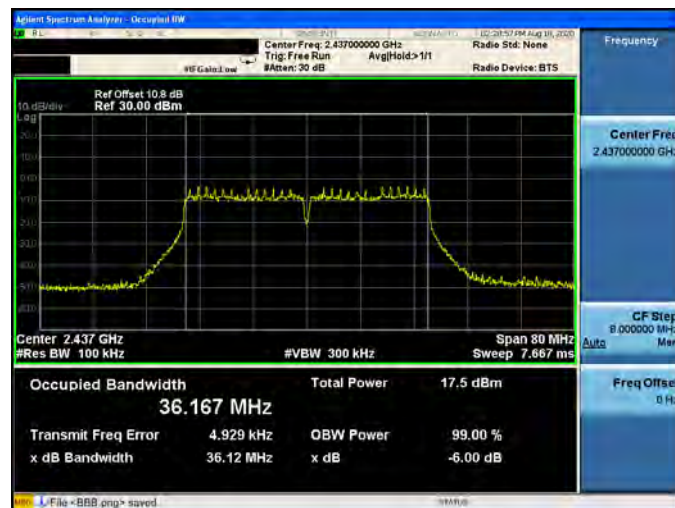


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode_ANT-0

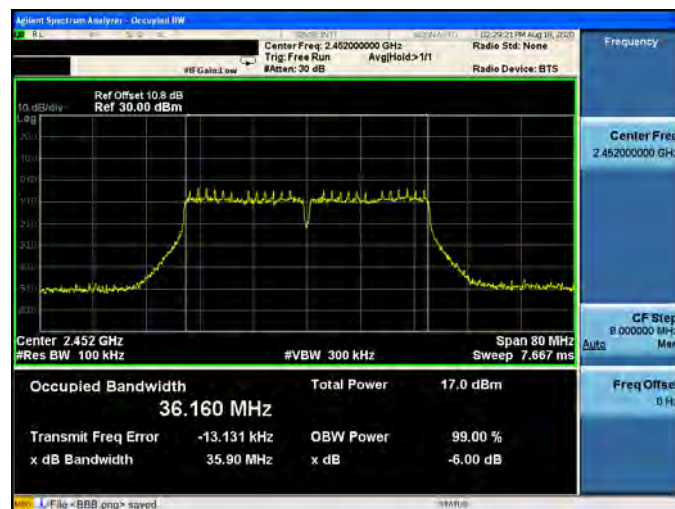
2422 MHz



2437 MHz



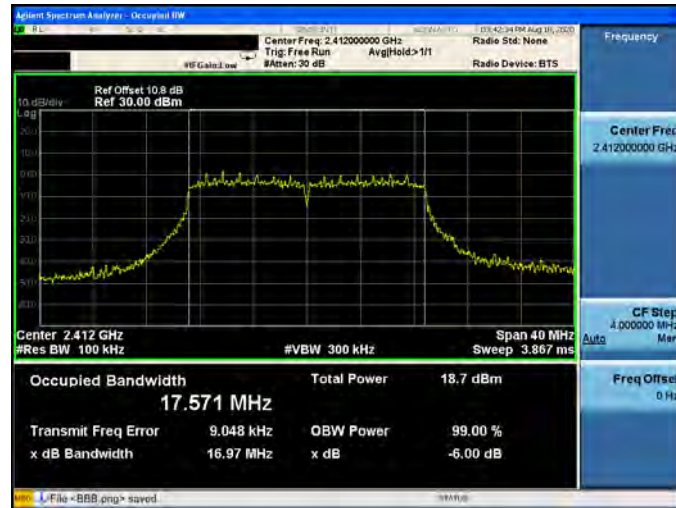
2452 MHz



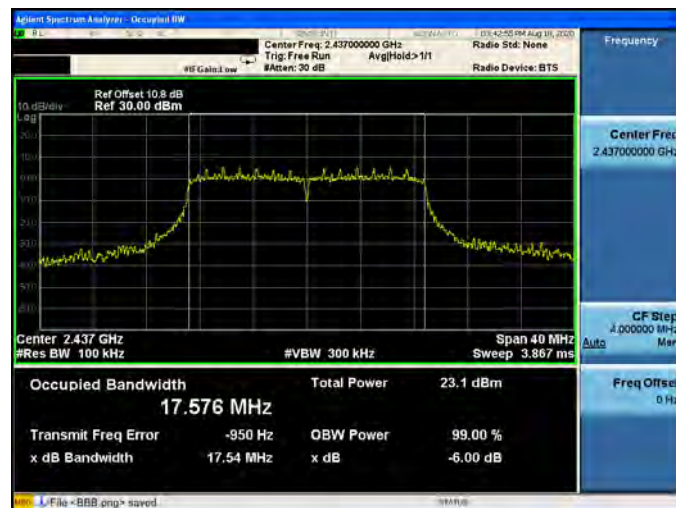


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

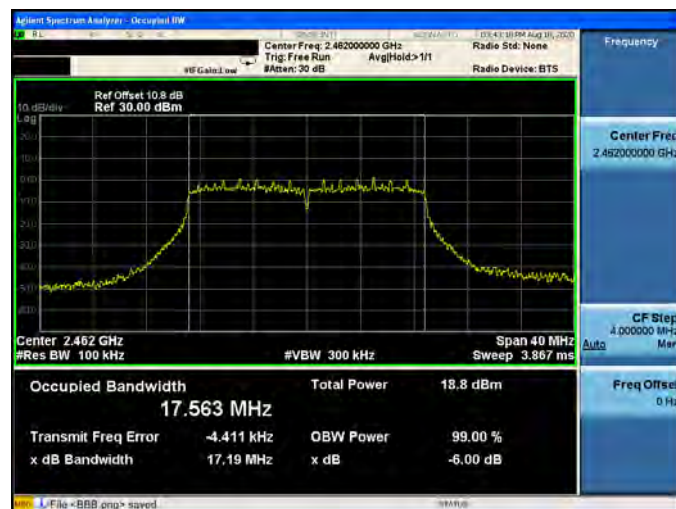
2412 MHz



2437 MHz

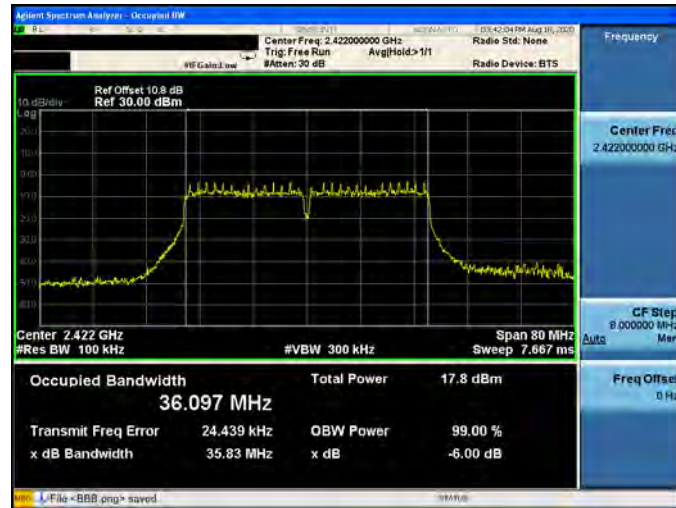


2462 MHz

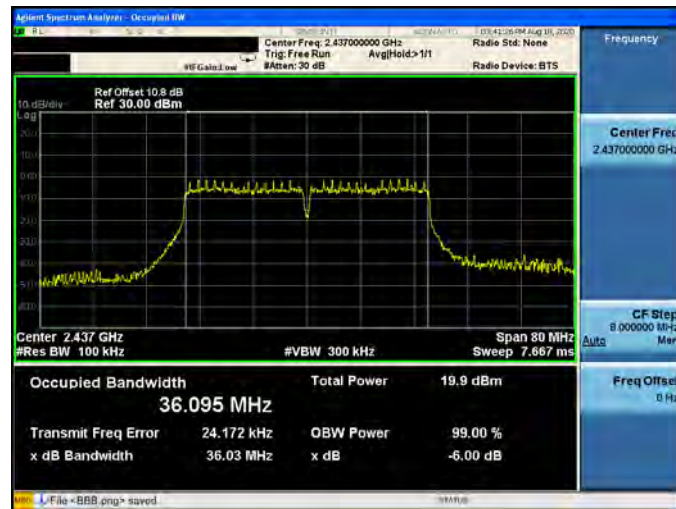


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

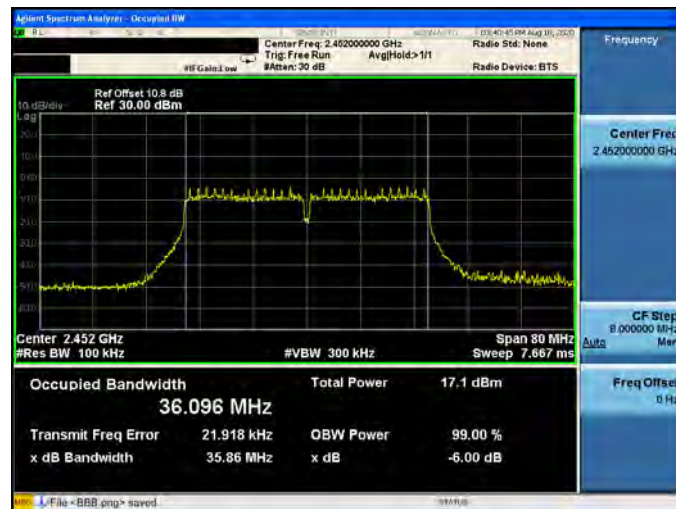
2422 MHz



2437 MHz



2452 MHz



Maximum Power Spectral Density Measurement

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 2	2412	-5.261	≤ 8
	2437	-5.343	≤ 8
	2462	-5.723	≤ 8
Mode 3	2412	-8.176	≤ 8
	2437	-6.543	≤ 8
	2462	-8.876	≤ 8
Mode 4	2412	-12.705	≤ 8
	2437	-8.397	≤ 8
	2462	-12.746	≤ 8
Mode 5	2422	-14.789	≤ 8
	2437	-14.570	≤ 8
	2452	-15.844	≤ 8

ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 4	2412	-10.794	≤ 8
	2437	-7.454	≤ 8
	2462	-12.052	≤ 8
Mode 5	2422	-14.229	≤ 8
	2437	-13.386	≤ 8
	2452	-14.767	≤ 8

ANT-0+1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 4	2412	-8.635	≤ 8
	2437	-4.890	≤ 8
	2462	-9.375	≤ 8
Mode 5	2422	-11.490	≤ 8
	2437	-10.927	≤ 8
	2452	-12.262	≤ 8

Beamforming on

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 4	2412	-16.195	≤ 8
	2437	-10.510	≤ 8
	2462	-15.608	≤ 8
Mode 5	2422	-18.266	≤ 8
	2437	-16.511	≤ 8
	2452	-18.277	≤ 8

ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 4	2412	-14.097	≤ 8
	2437	-10.696	≤ 8
	2462	-15.383	≤ 8
Mode 5	2422	-17.555	≤ 8
	2437	-16.953	≤ 8
	2452	-17.142	≤ 8

ANT-0+1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 4	2412	-12.010	≤ 8
	2437	-7.592	≤ 8
	2462	-12.484	≤ 8
Mode 5	2422	-14.886	≤ 8
	2437	-13.716	≤ 8
	2452	-14.662	≤ 8



Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

2412 MHz



2437 MHz



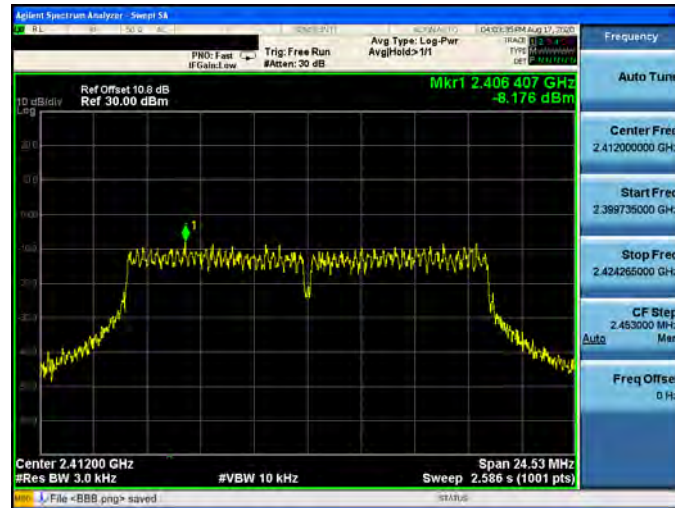
2462 MHz



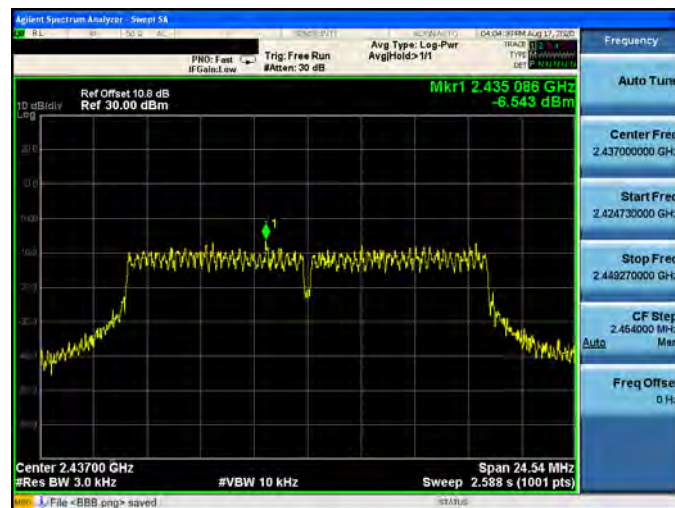


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

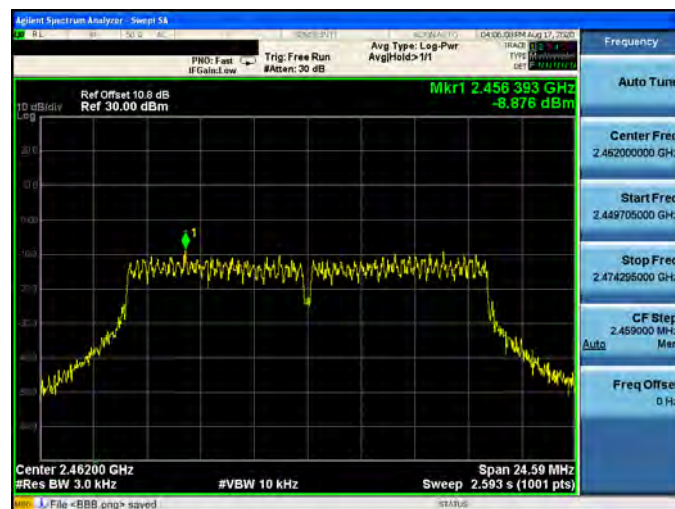
2412 MHz



2437 MHz



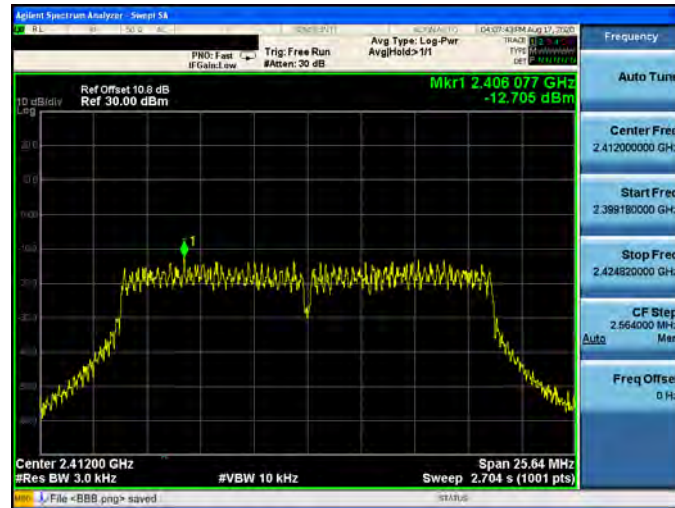
2462 MHz



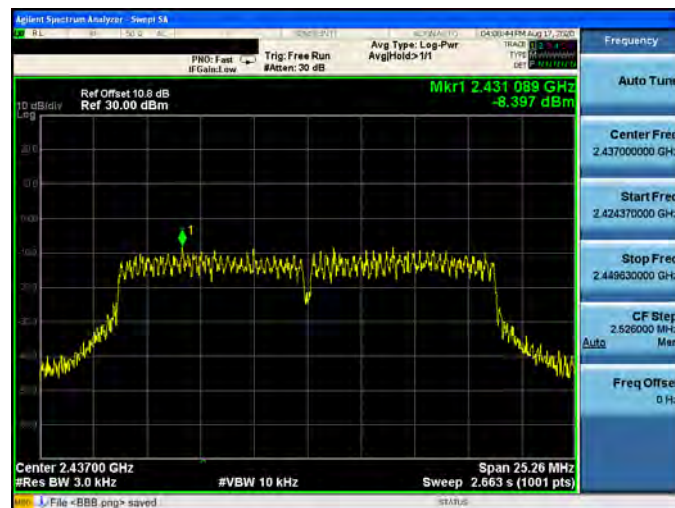


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-0

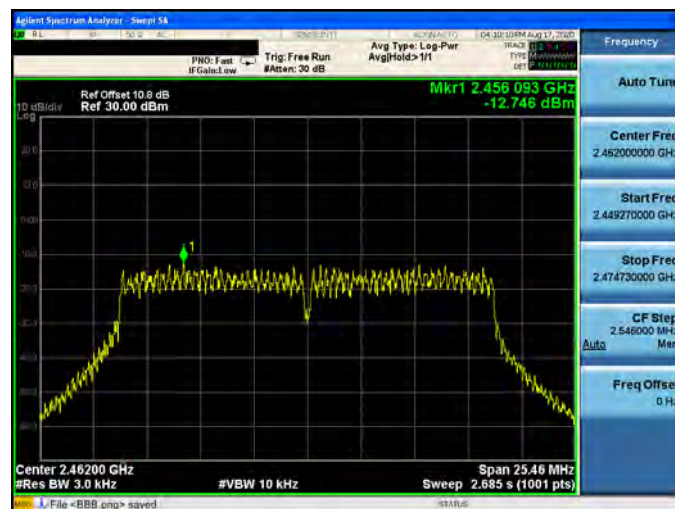
2412 MHz



2437 MHz



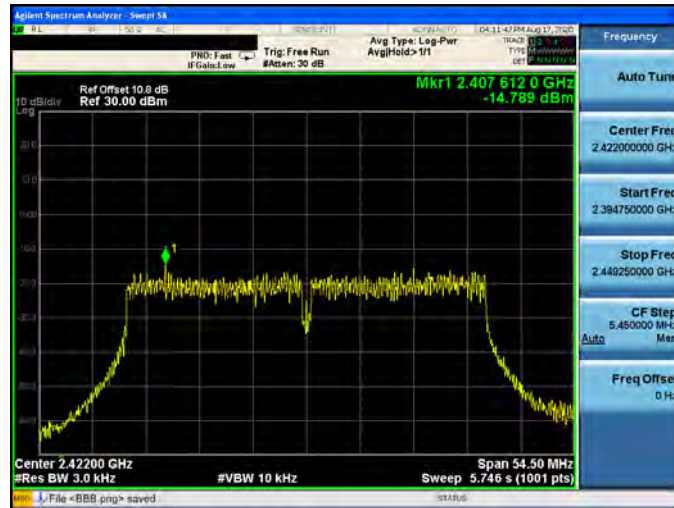
2462 MHz



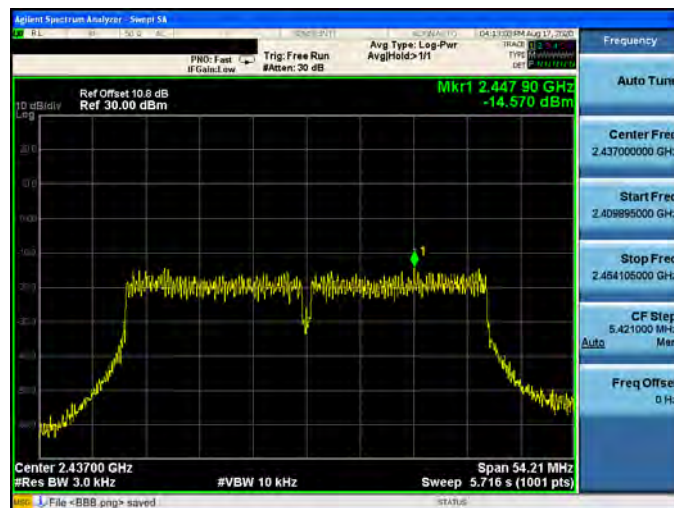


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

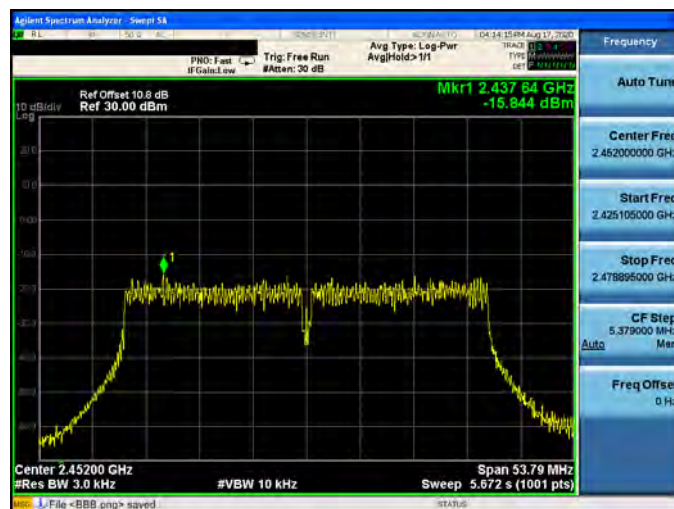
2422 MHz



2437 MHz

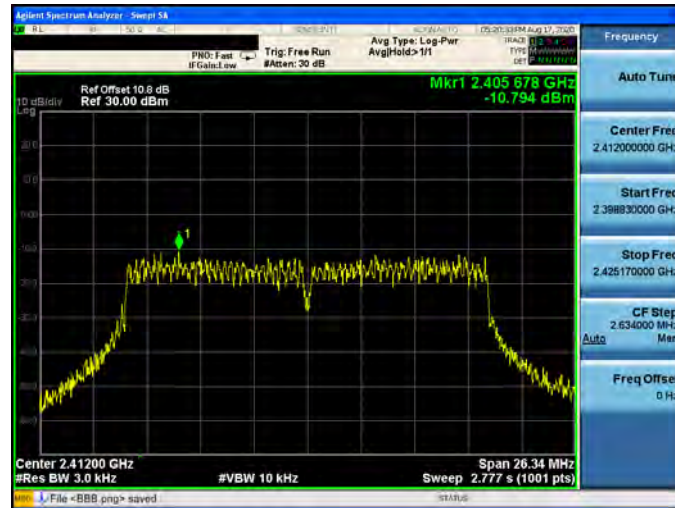


2452 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

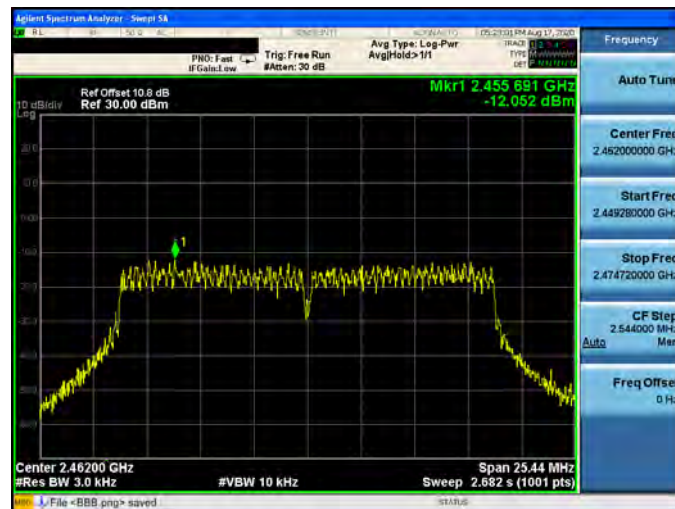
2412 MHz



2437 MHz

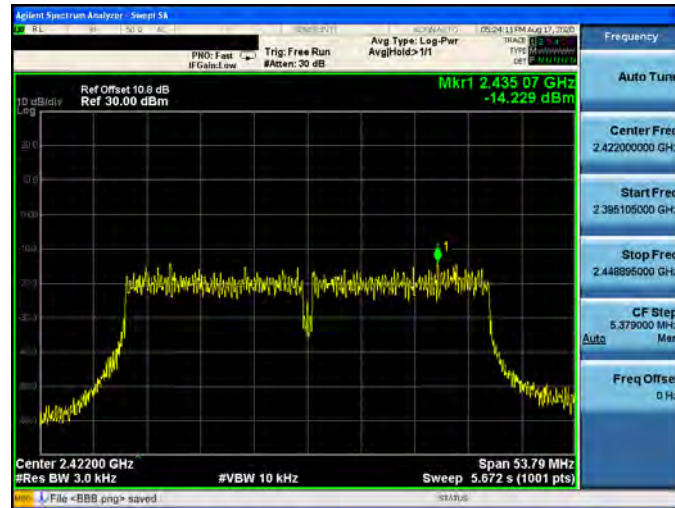


2462 MHz

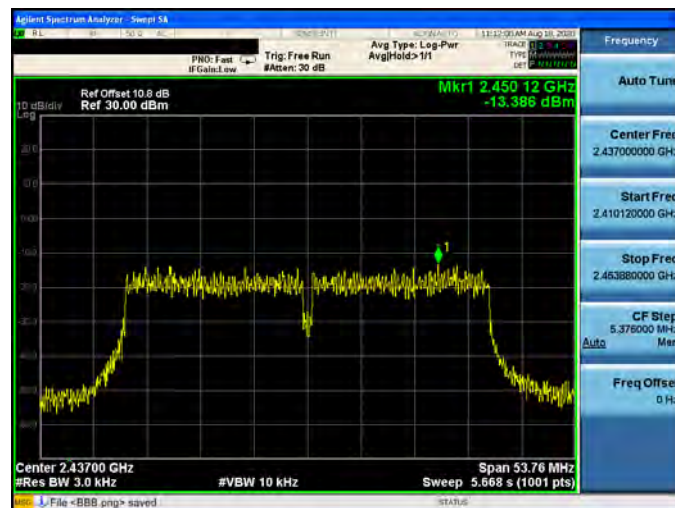


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

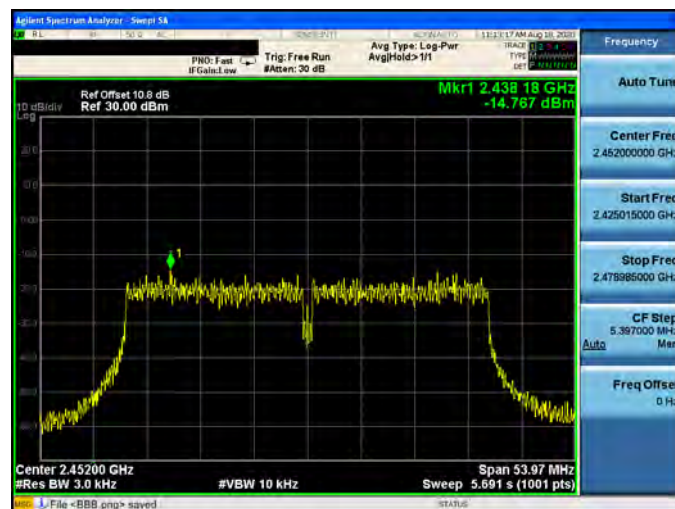
2422 MHz



2437 MHz



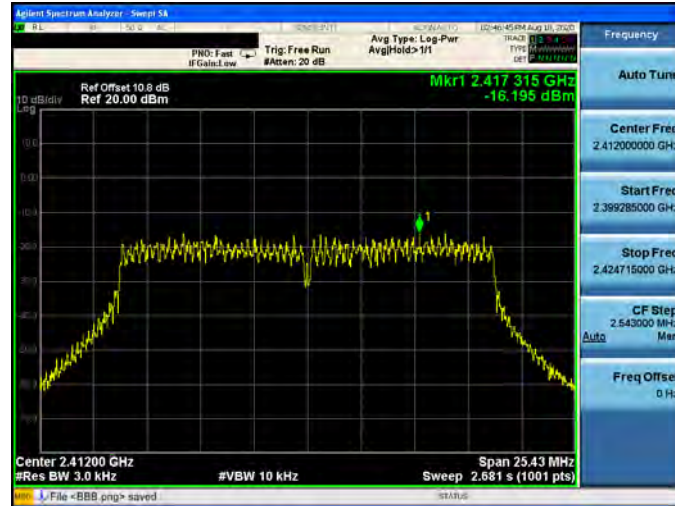
2452 MHz



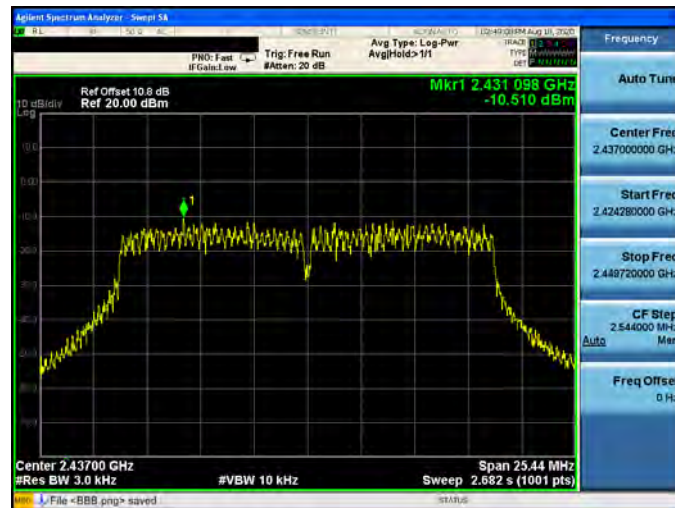
Beamforming on

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

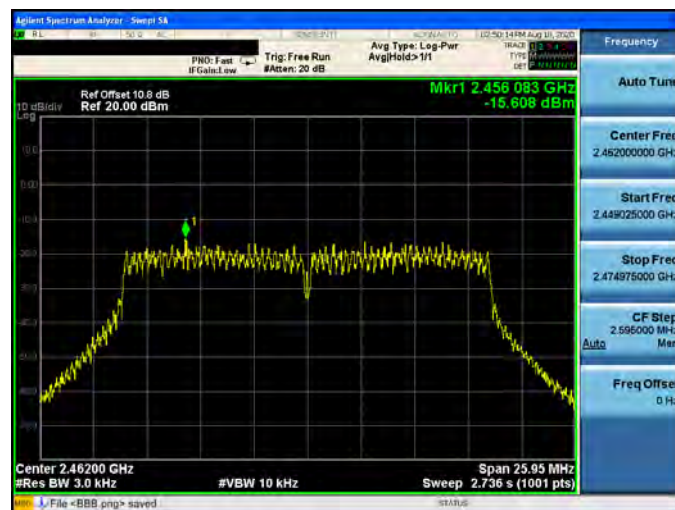
2412 MHz



2437 MHz



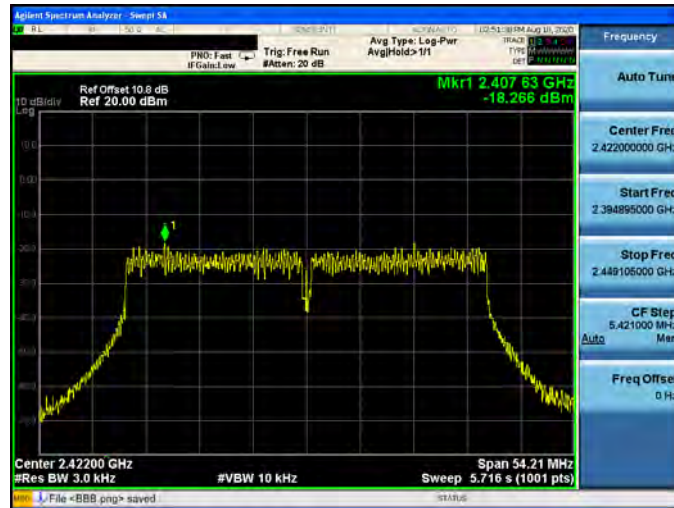
2462 MHz



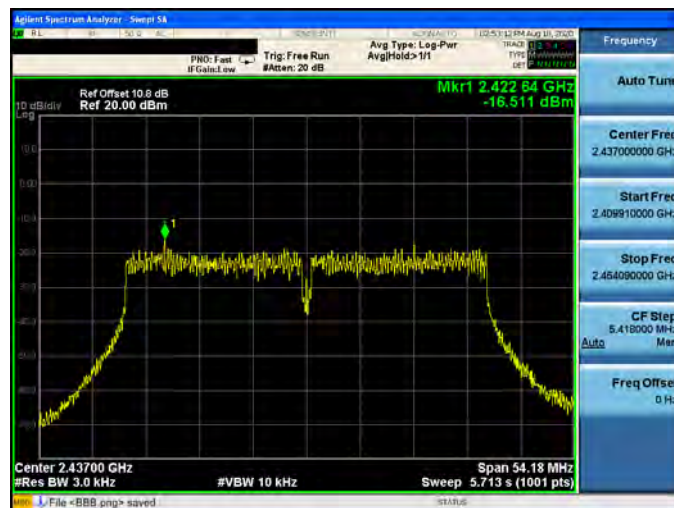


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

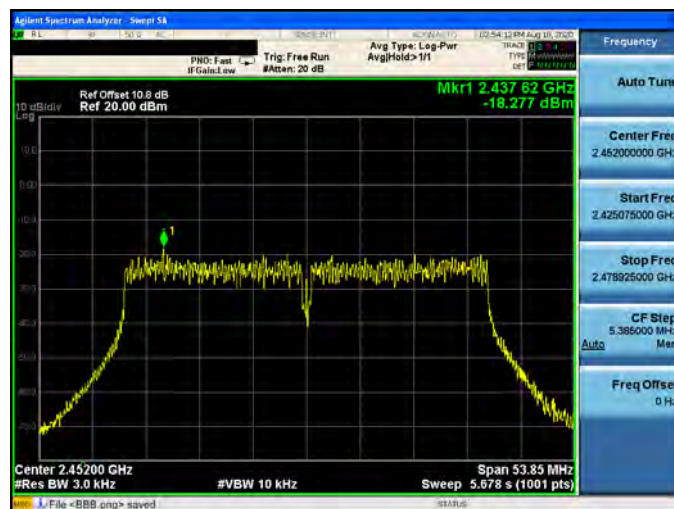
2422 MHz



2437 MHz



2452 MHz





Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

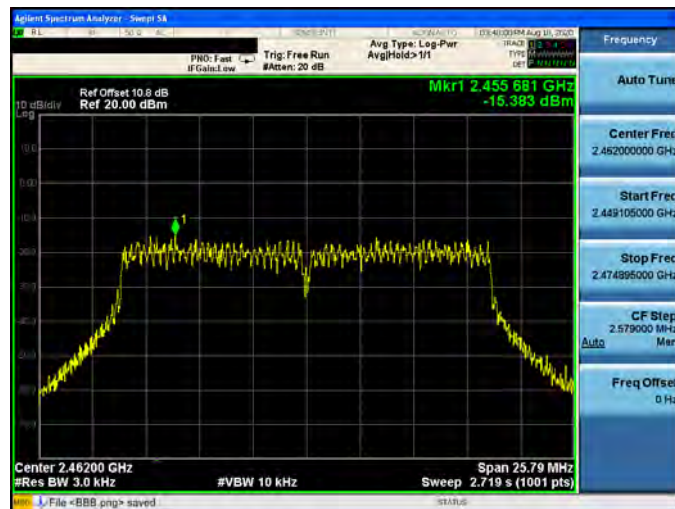
2412 MHz



2437 MHz

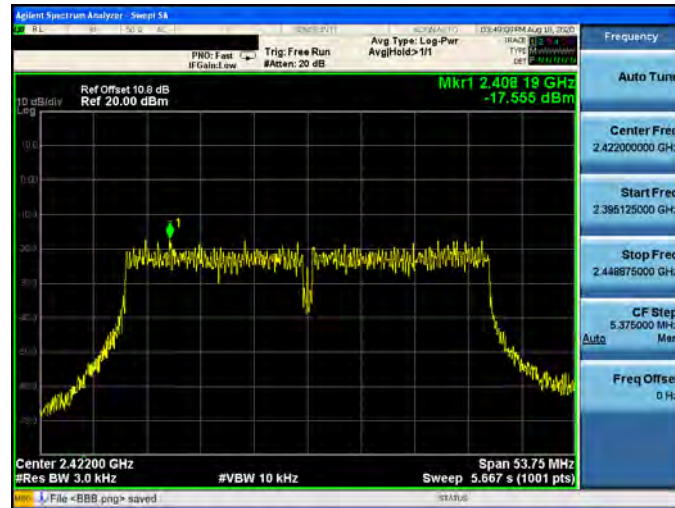


2462 MHz

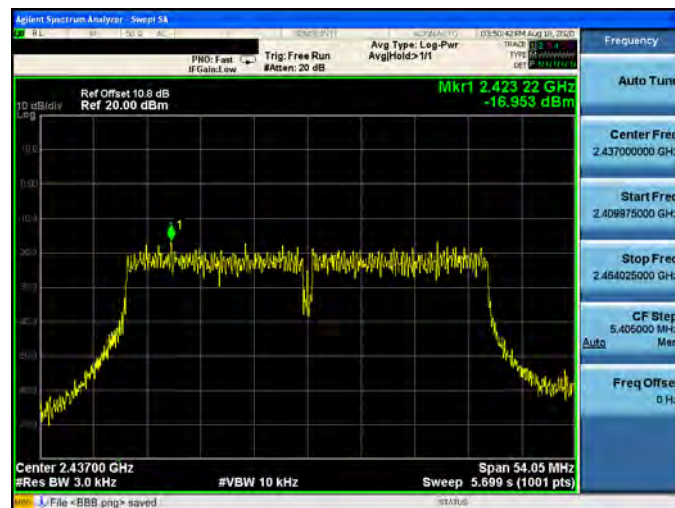


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

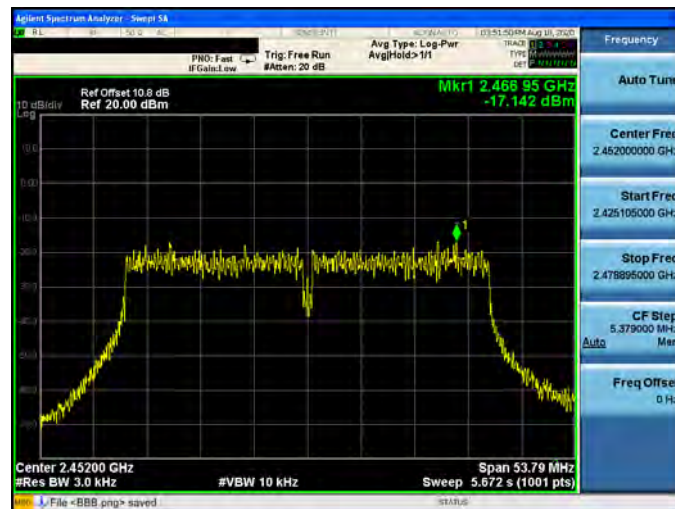
2422 MHz



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 2.4 GHz 20 MHz Continuous TX mode _ANT-0

2412 MHz



2437 MHz



2462 MHz





Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

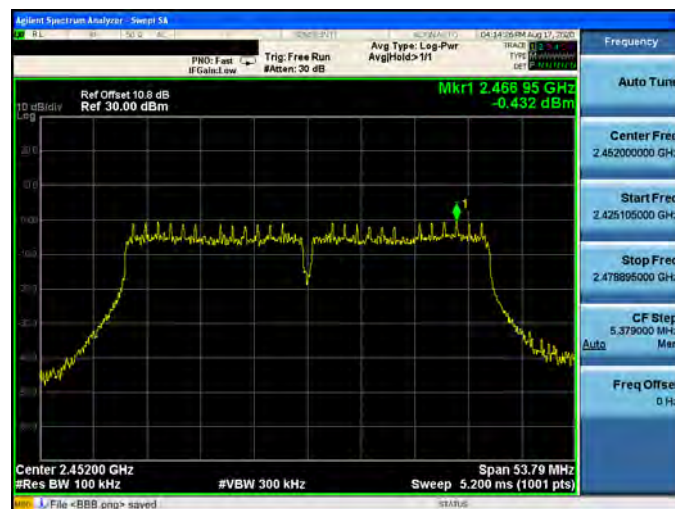
2422 MHz



2437 MHz



2452 MHz





Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

2412 MHz



2437 MHz



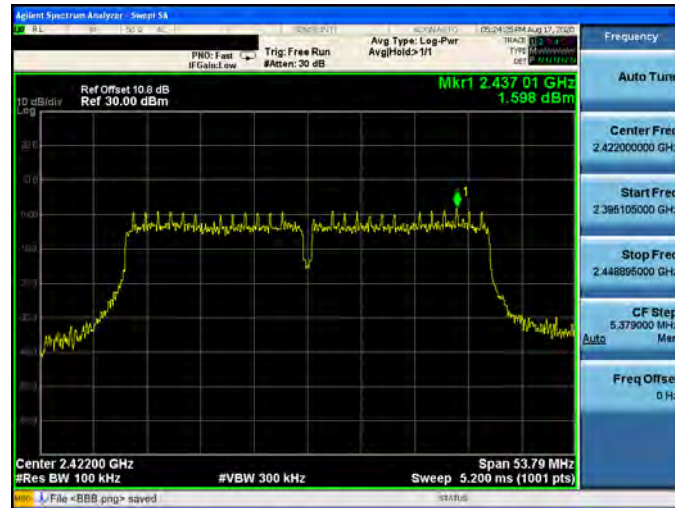
2462 MHz





Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

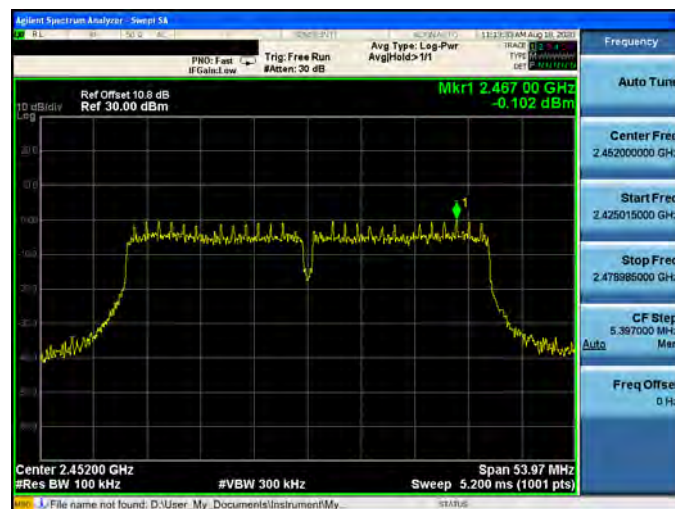
2422 MHz



2437 MHz



2452 MHz

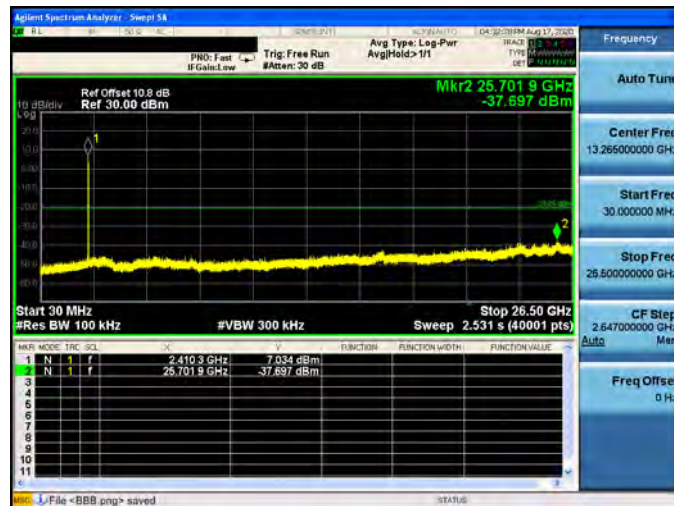




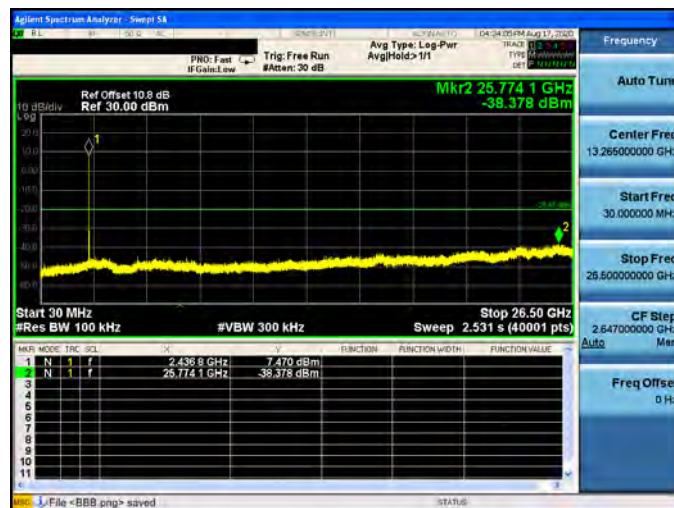
Out of Band Conducted Emissions

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

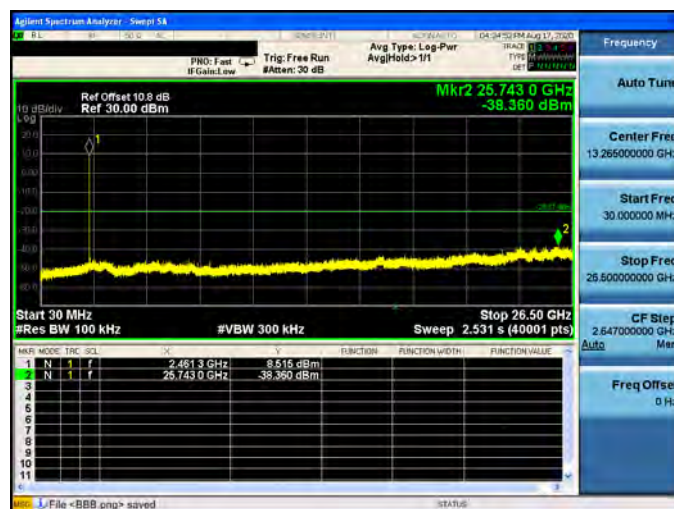
2412 MHz



2437 MHz



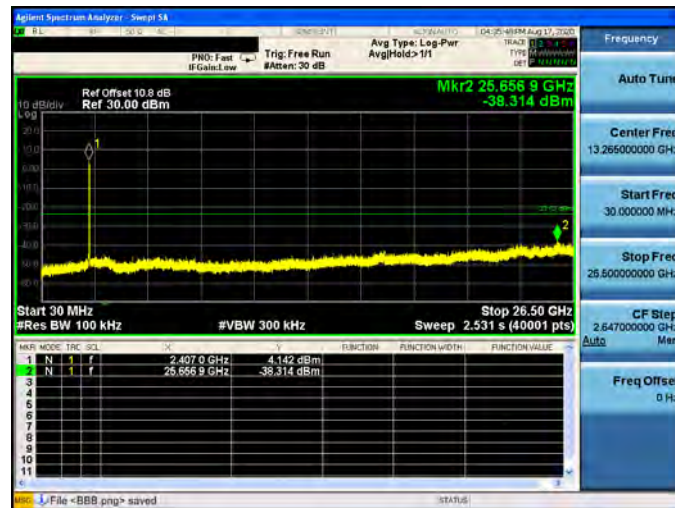
2462 MHz



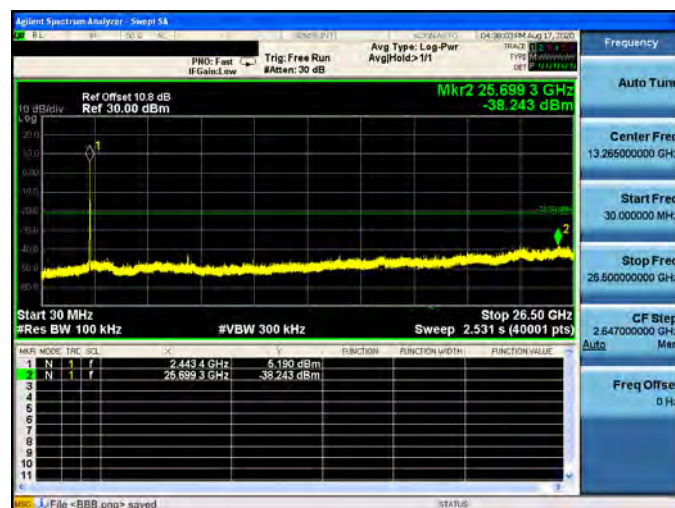


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

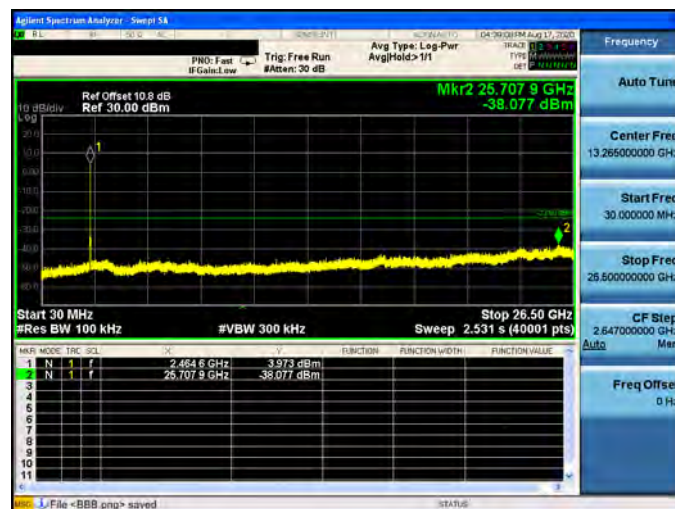
2412 MHz



2437 MHz



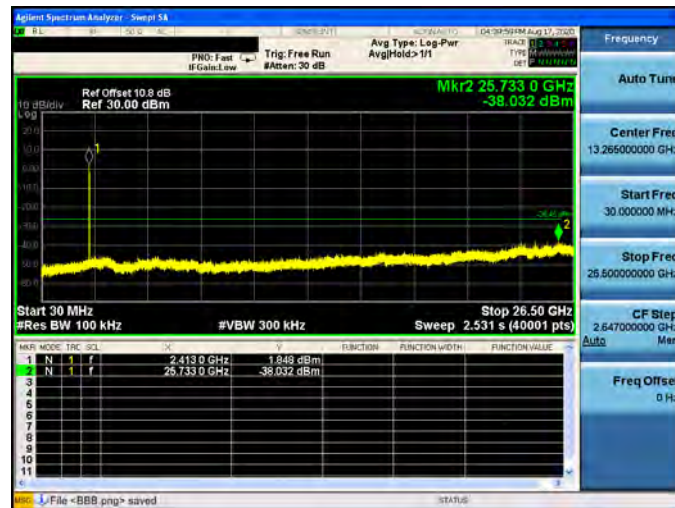
2462 MHz



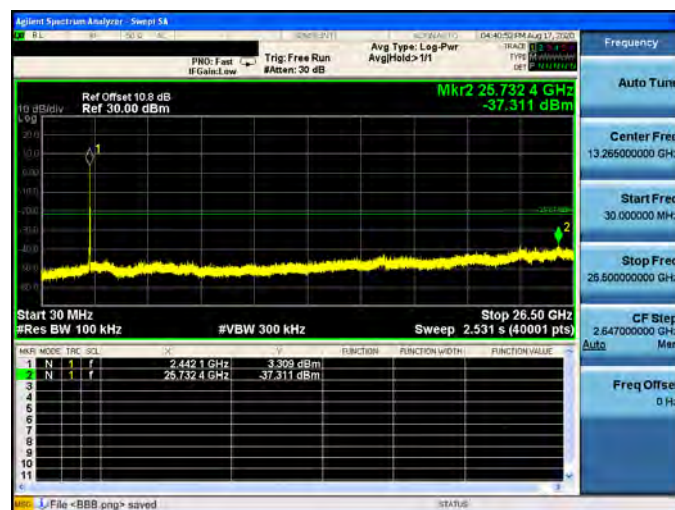


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-0

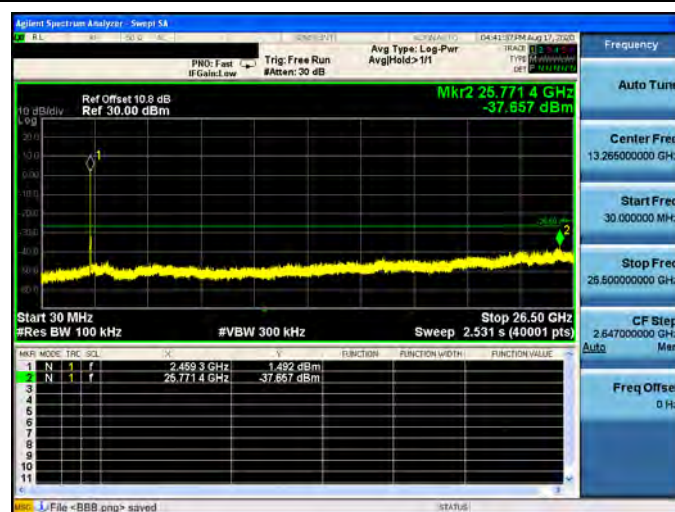
2412 MHz



2437 MHz



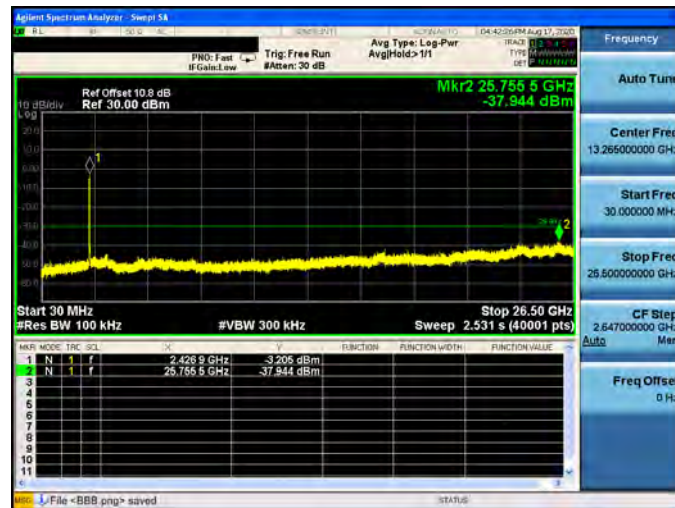
2462 MHz



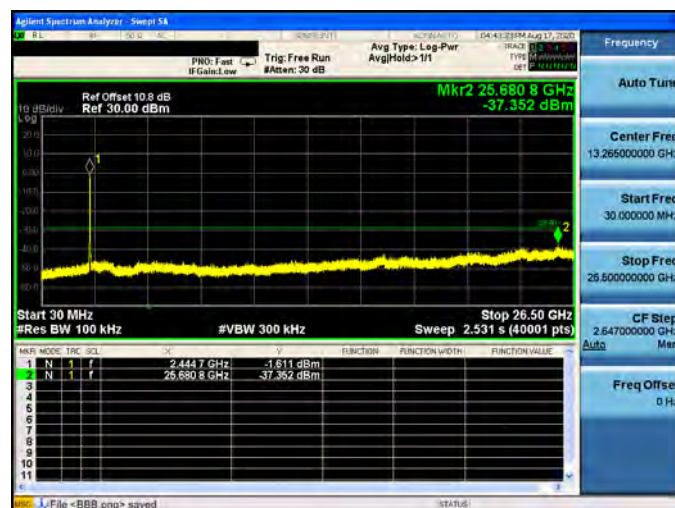


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

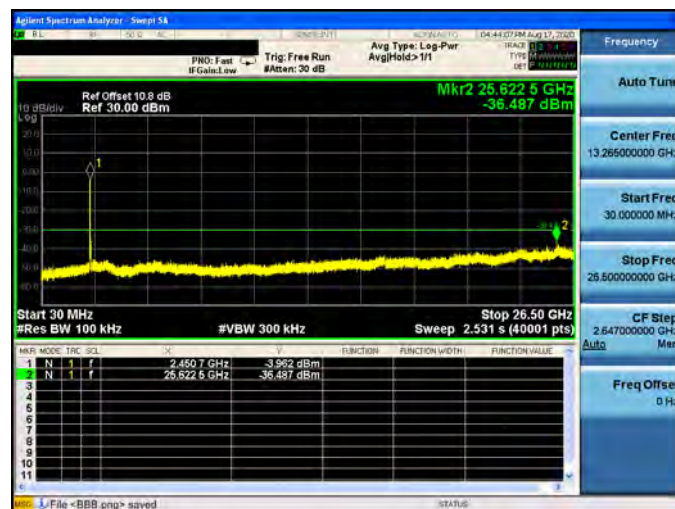
2422 MHz



2437 MHz



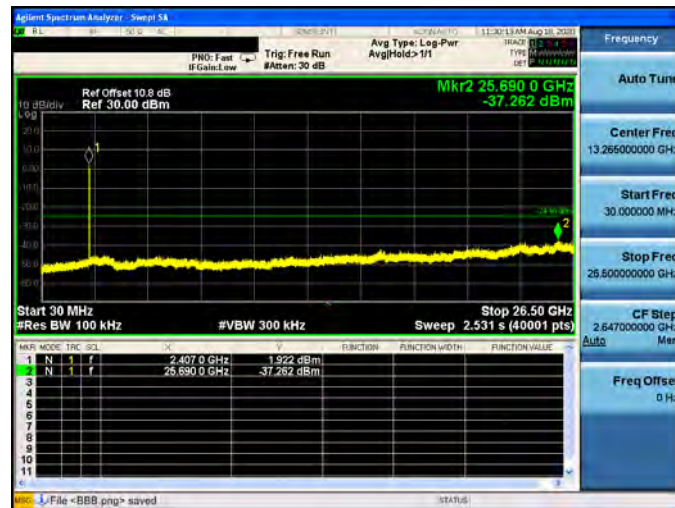
2452 MHz



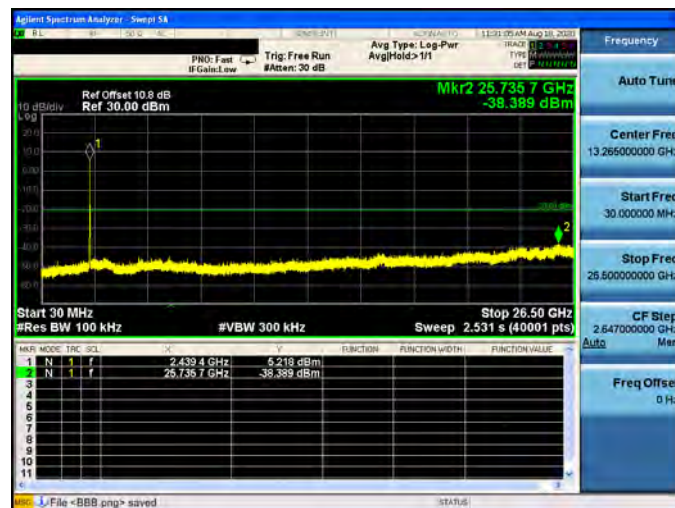


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode_ANT-1

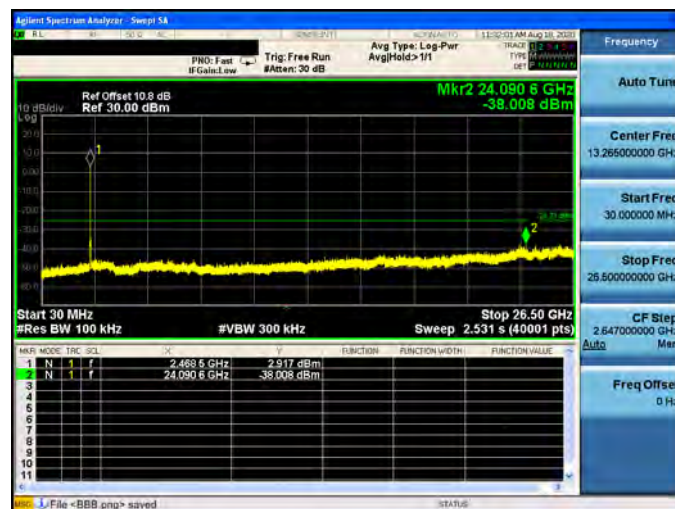
2412 MHz



2437 MHz



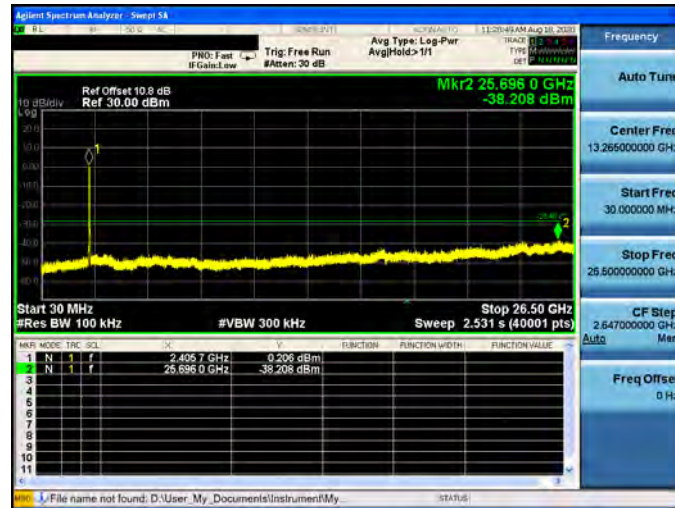
2462 MHz



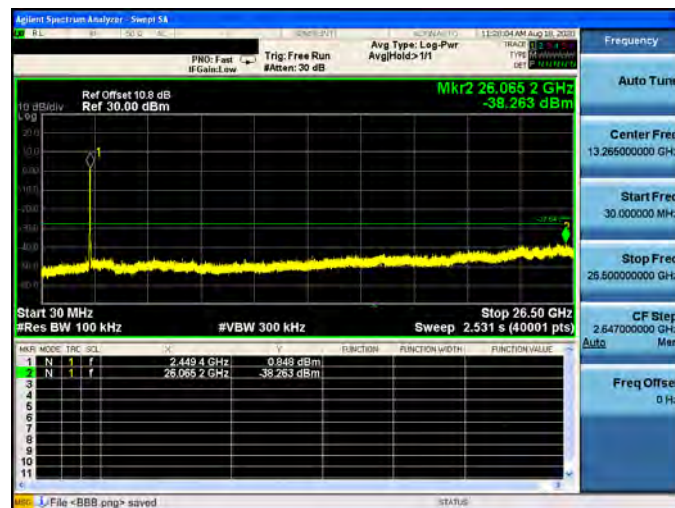


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

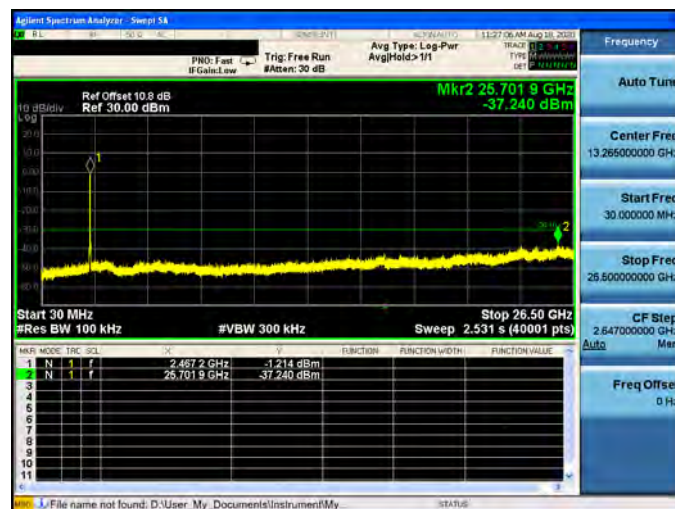
2422 MHz



2437 MHz



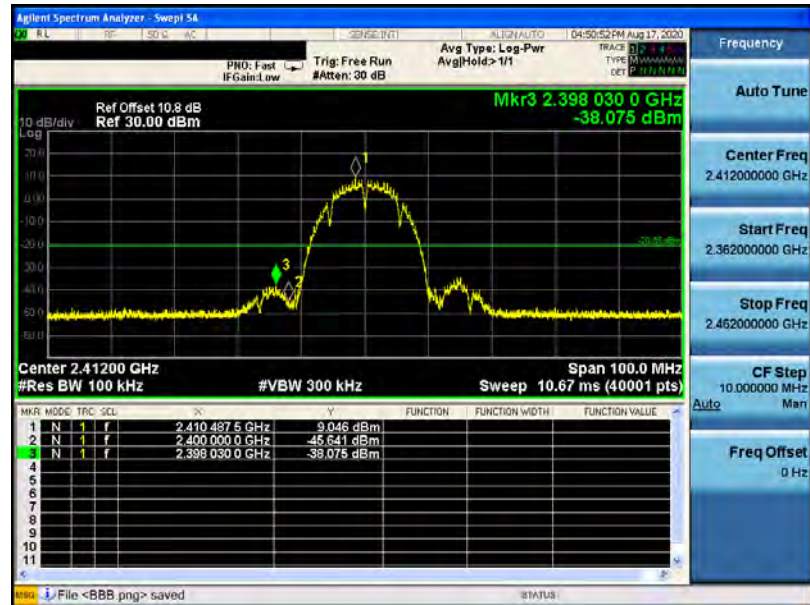
2452 MHz



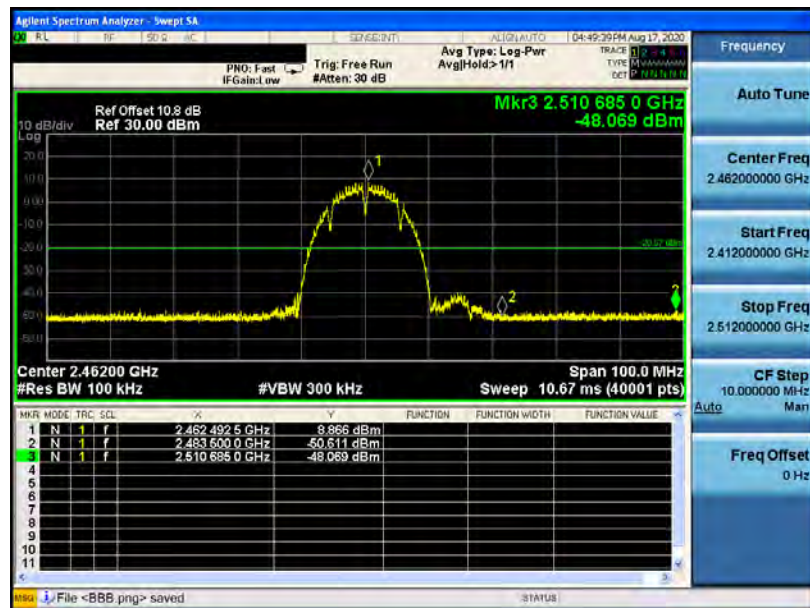
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

2412 MHz

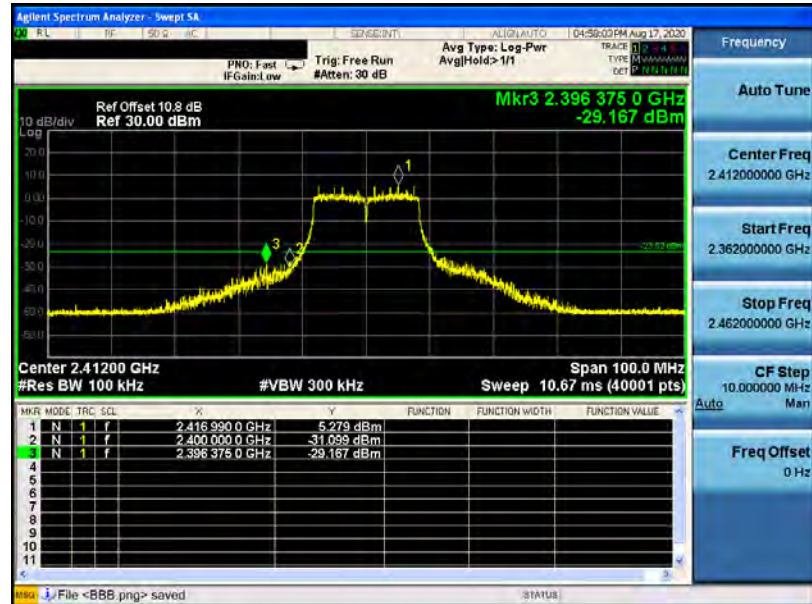


2462 MHz

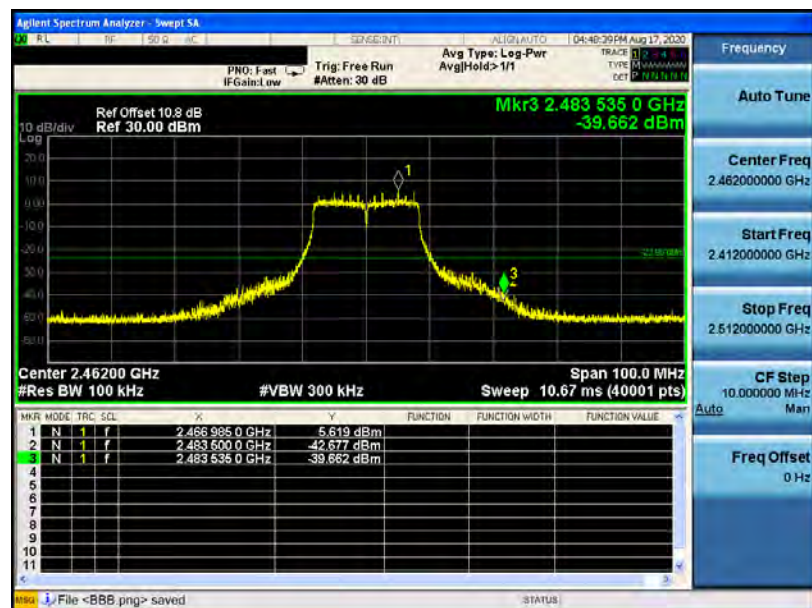


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

2412 MHz



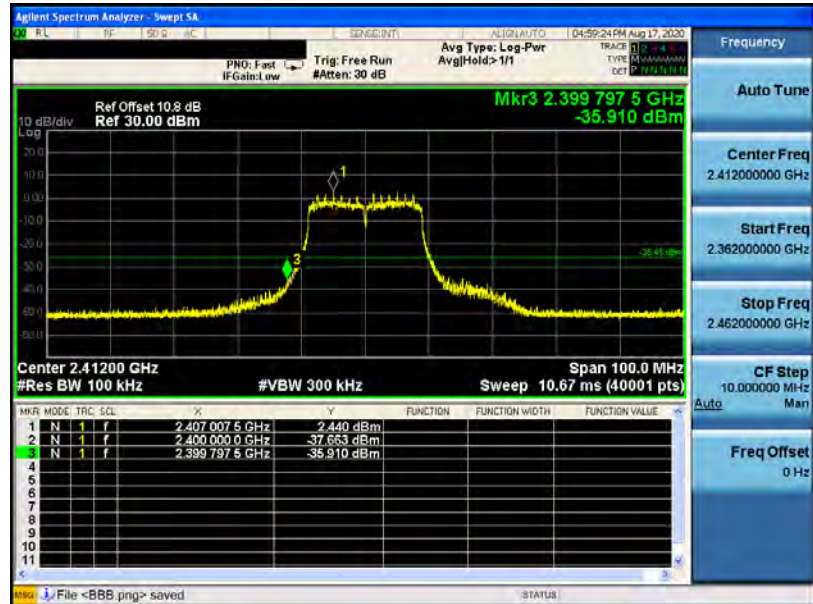
2462 MHz



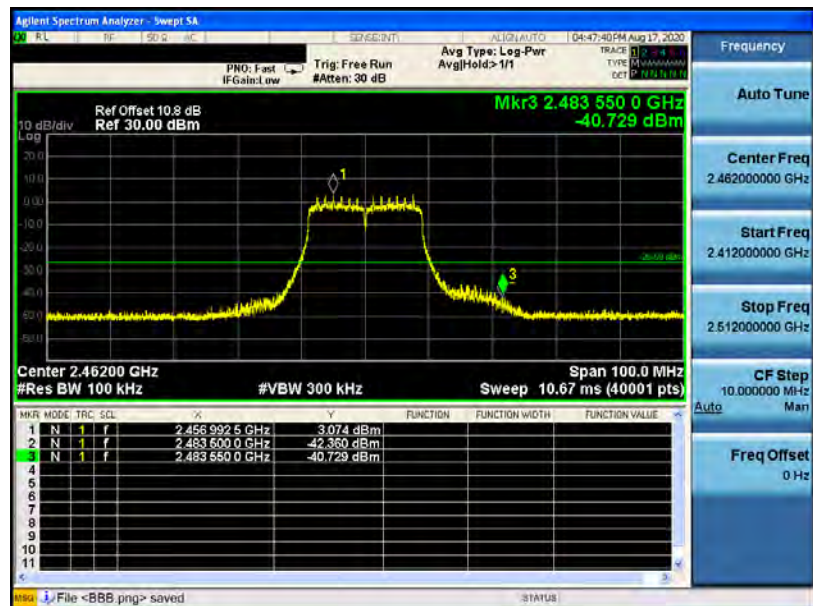


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-0

2412 MHz



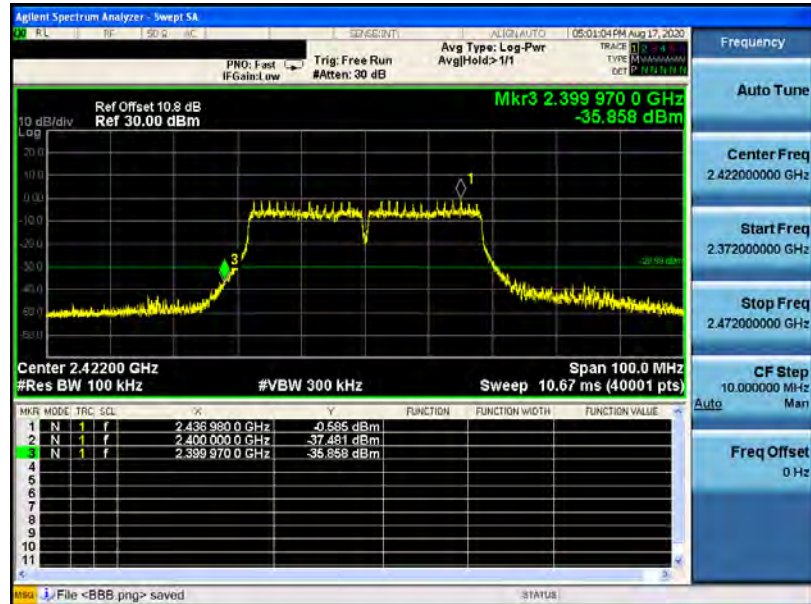
2462 MHz



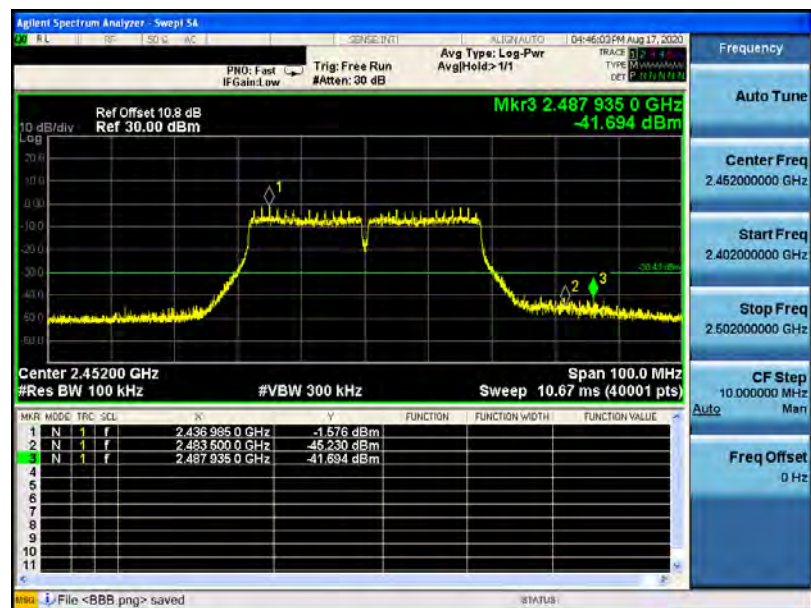


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

2422 MHz



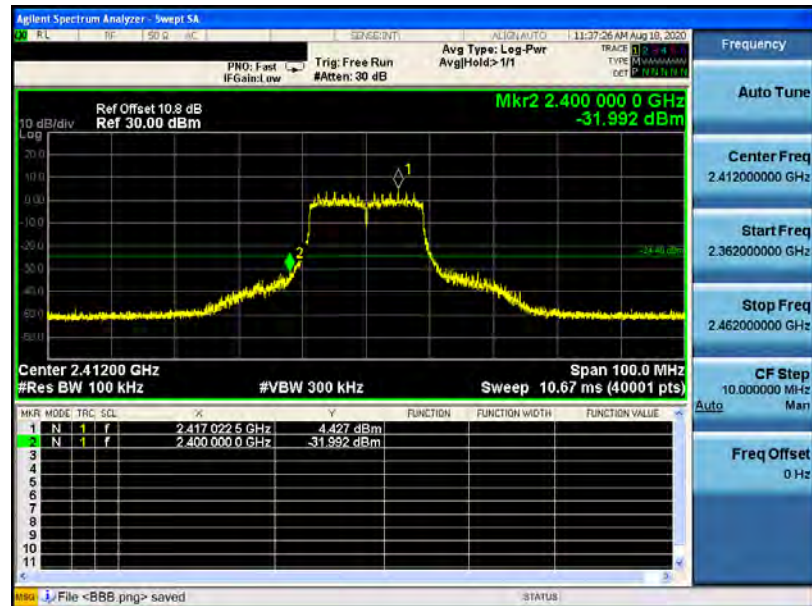
2452 MHz



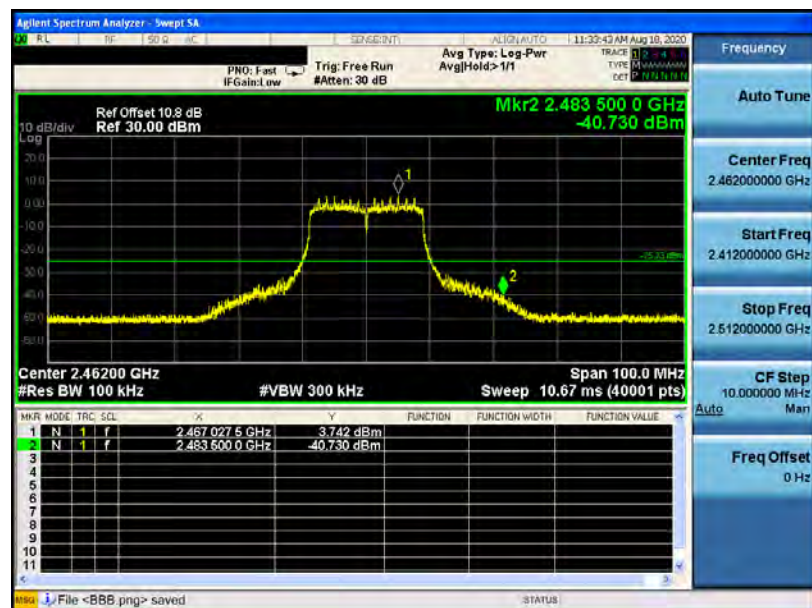


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

2412 MHz

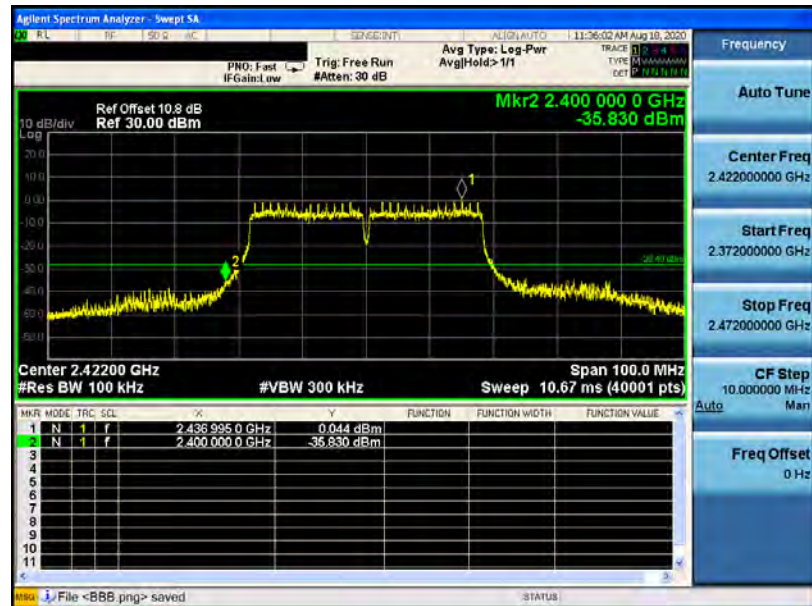


2462 MHz

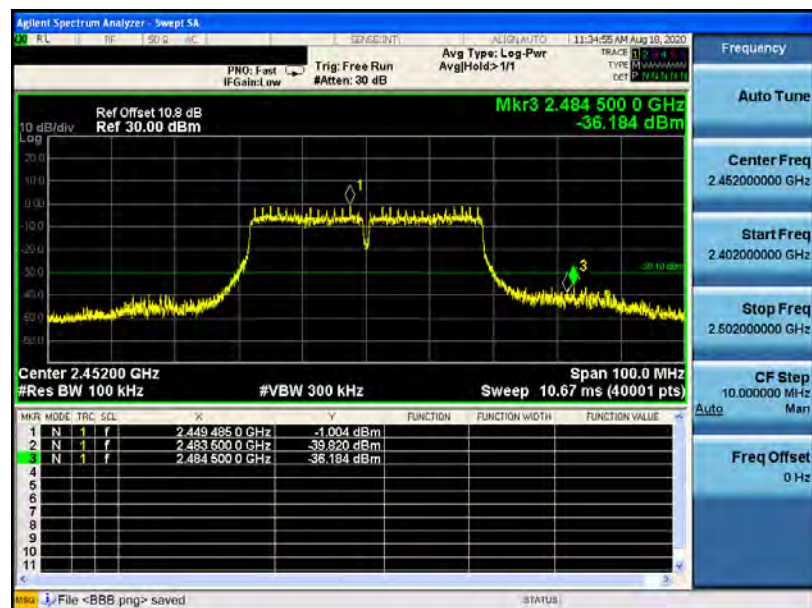


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

2422 MHz



2452 MHz



Beamforming on

Reference level

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

2412 MHz



2437 MHz



2462 MHz





Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

2422 MHz



2437 MHz



2452 MHz





Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

2412 MHz



2437 MHz



2462 MHz





Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

2422 MHz



2437 MHz



2452 MHz

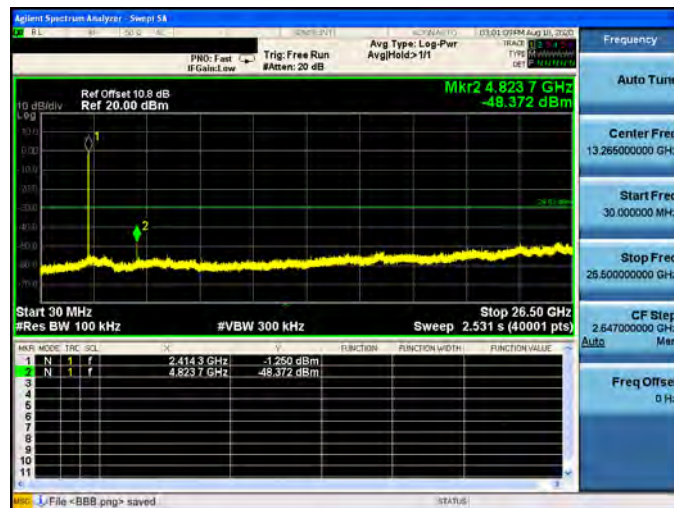




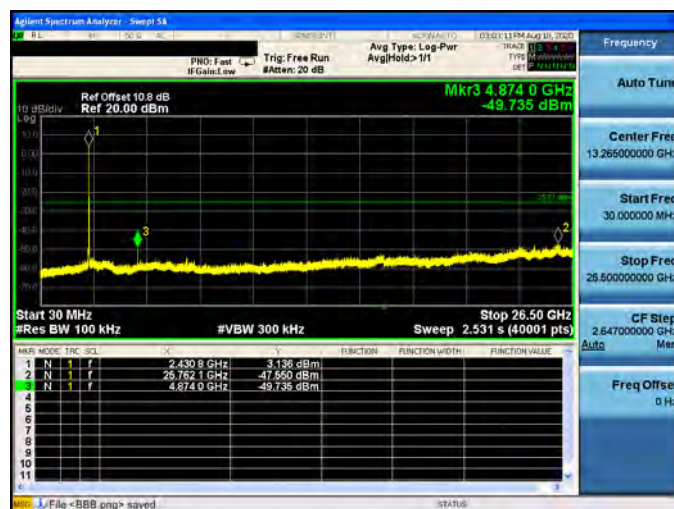
Out of Band Conducted Emissions

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

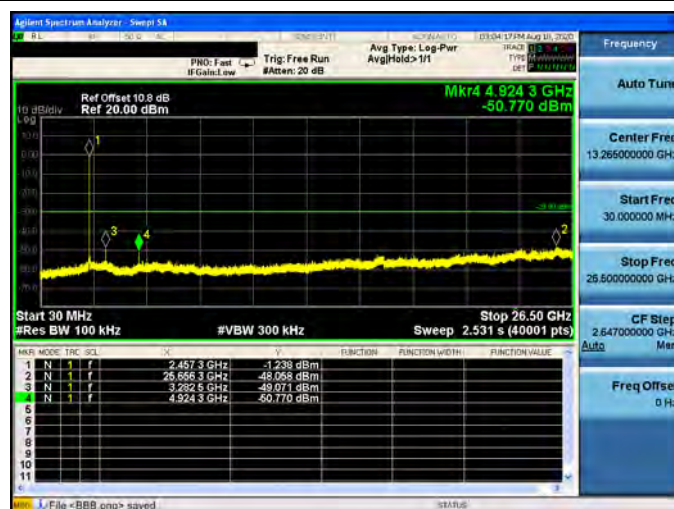
2412 MHz



2437 MHz



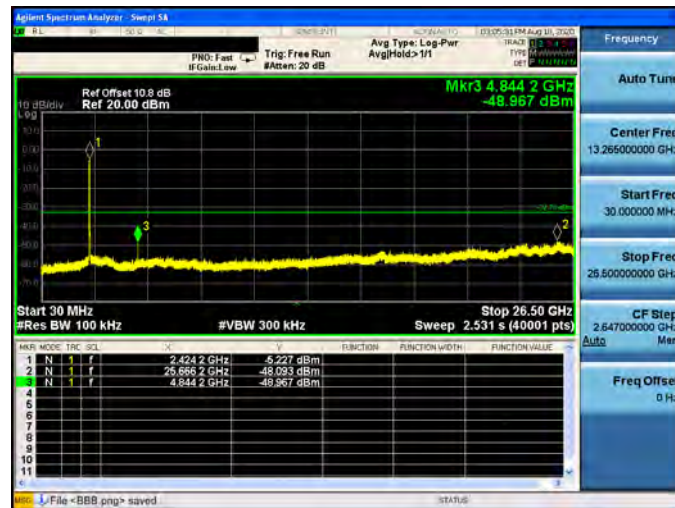
2462 MHz



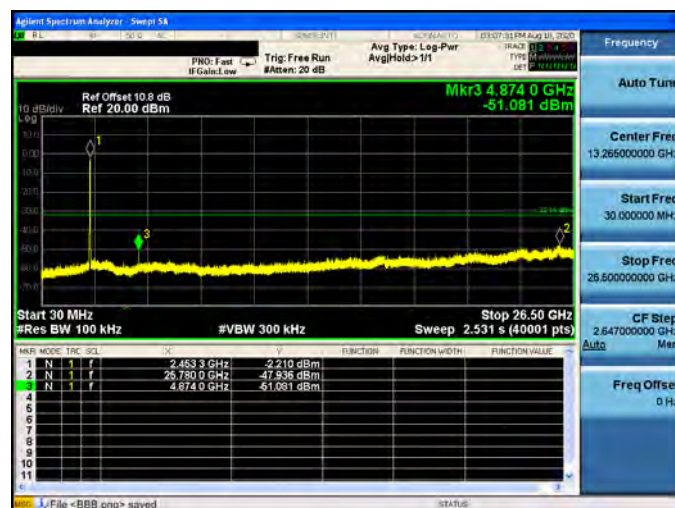


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

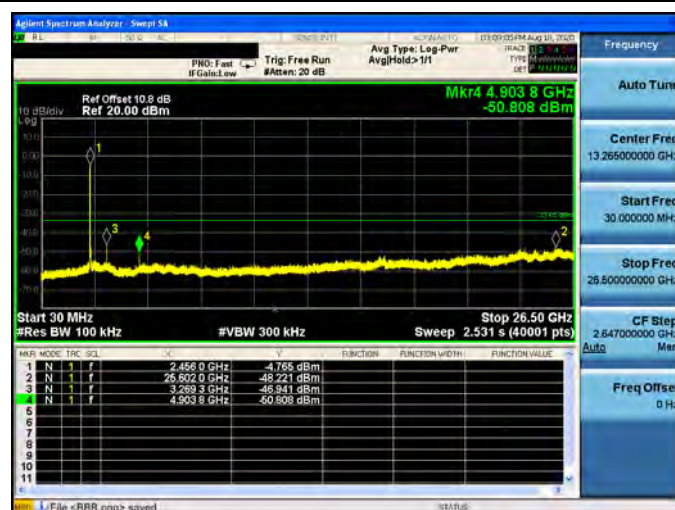
2422 MHz



2437 MHz

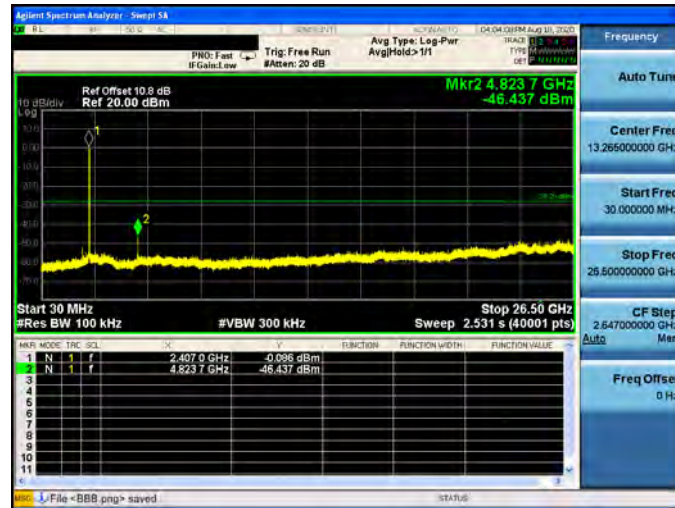


2452 MHz

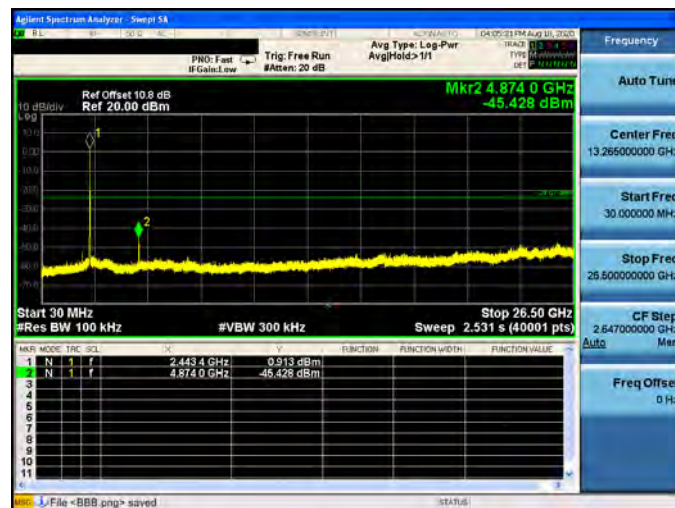


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

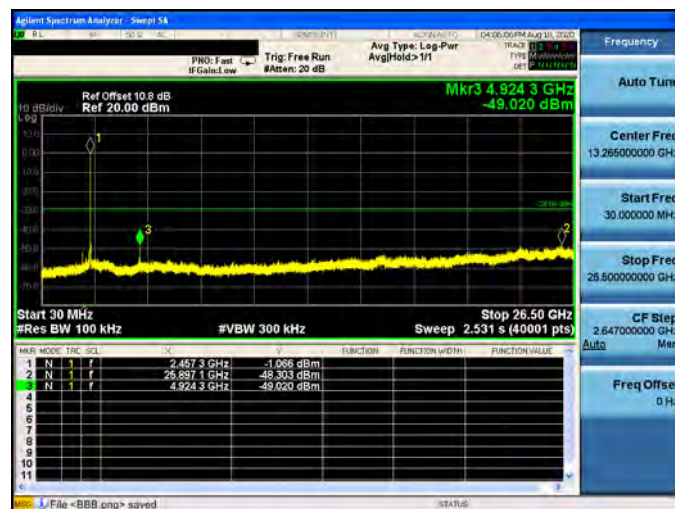
2412 MHz



2437 MHz



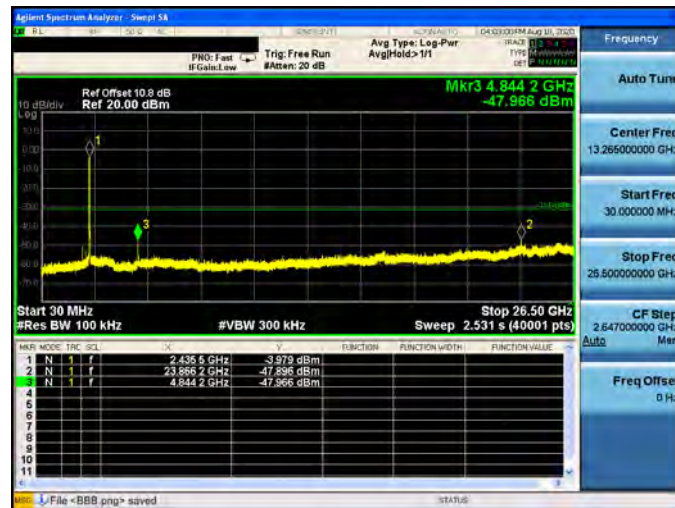
2462 MHz



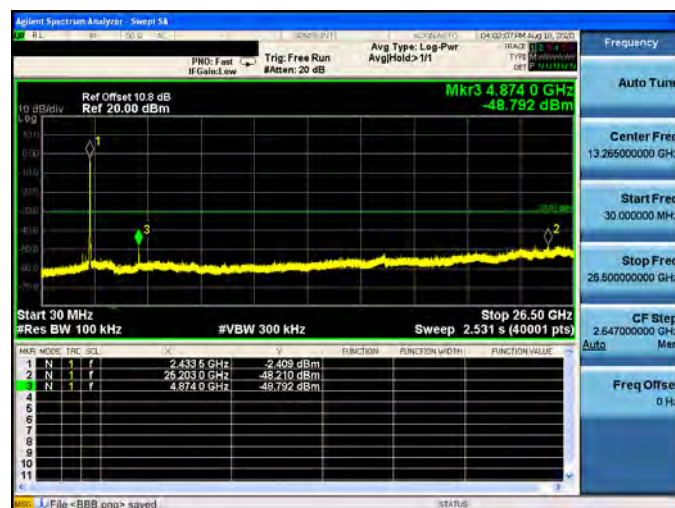


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

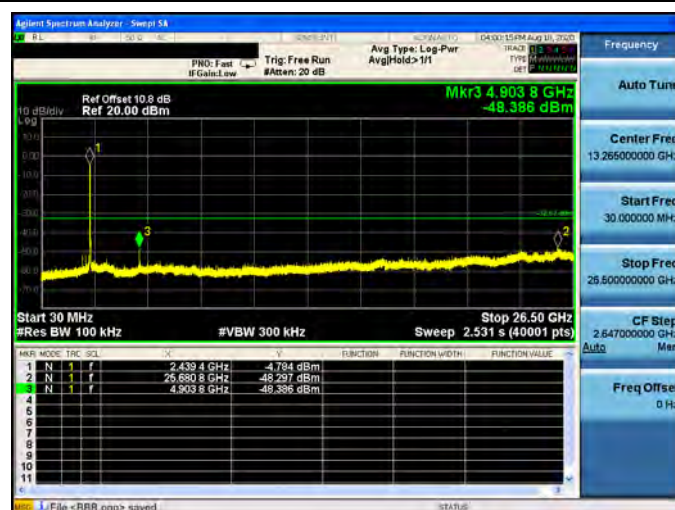
2422 MHz



2437 MHz



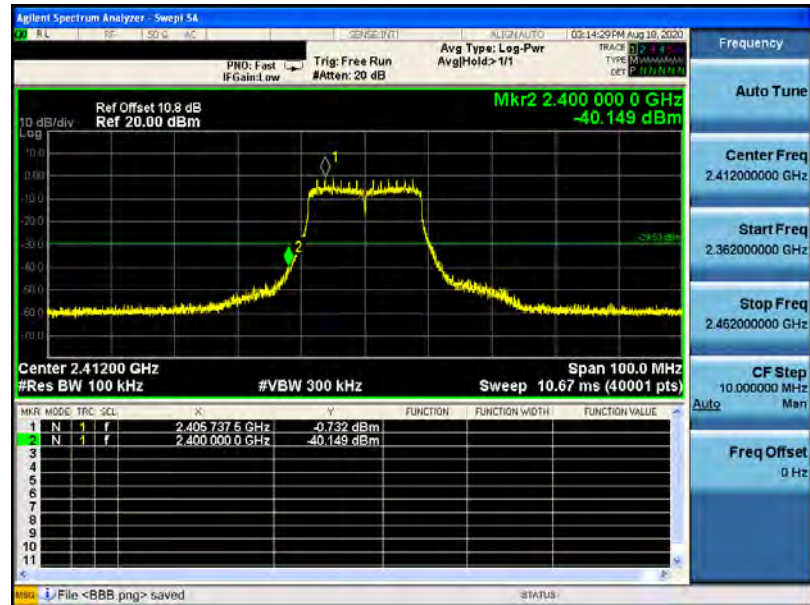
2452 MHz



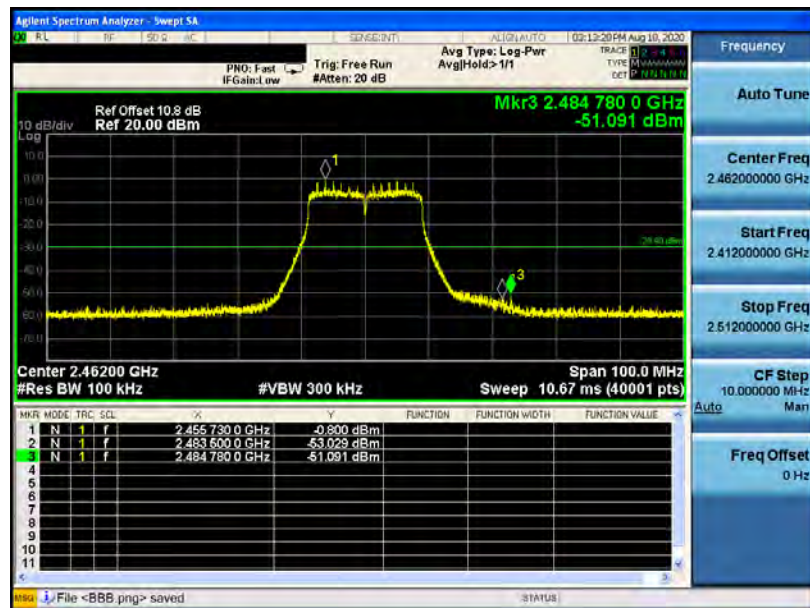
Conducted Band Edge

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

2412 MHz

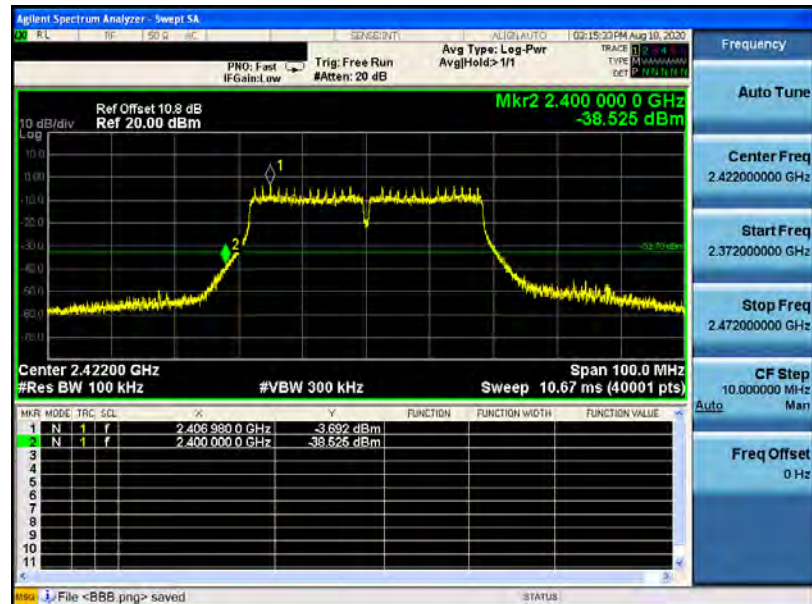


2462 MHz

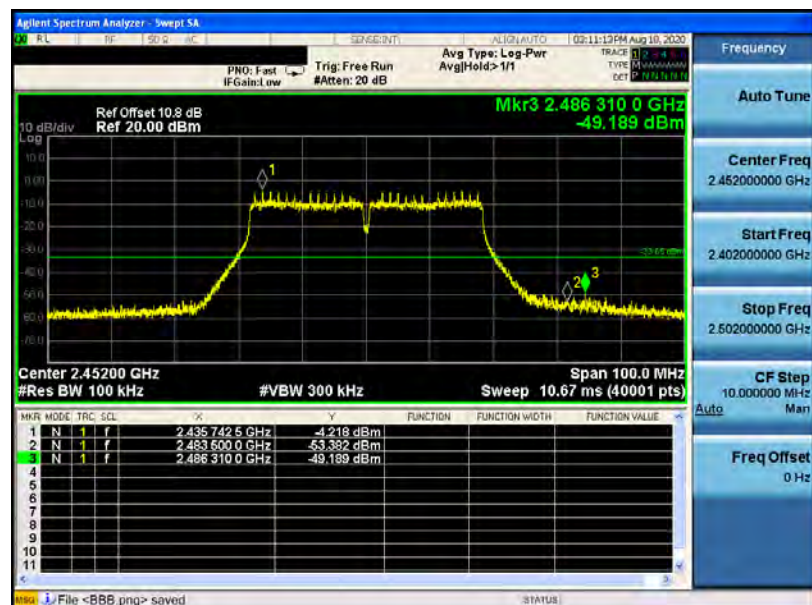


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-0

2422 MHz



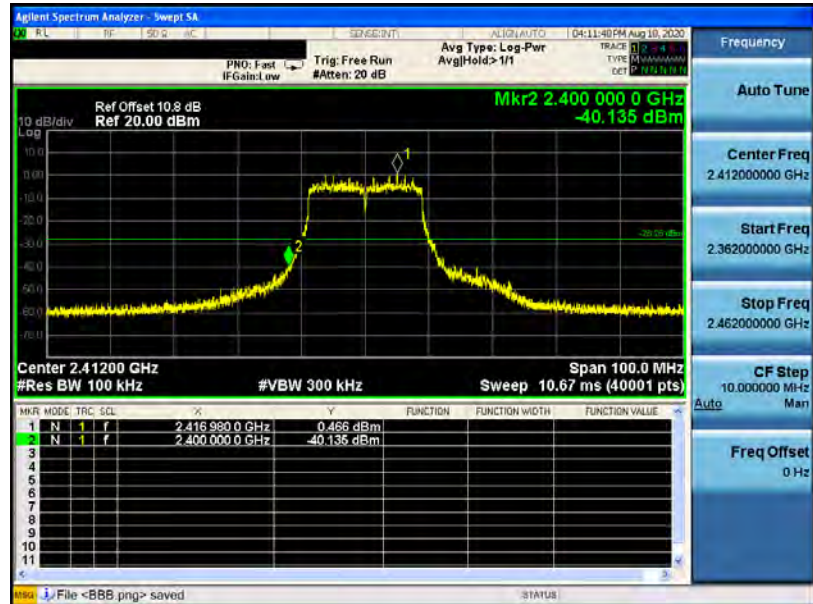
2452 MHz



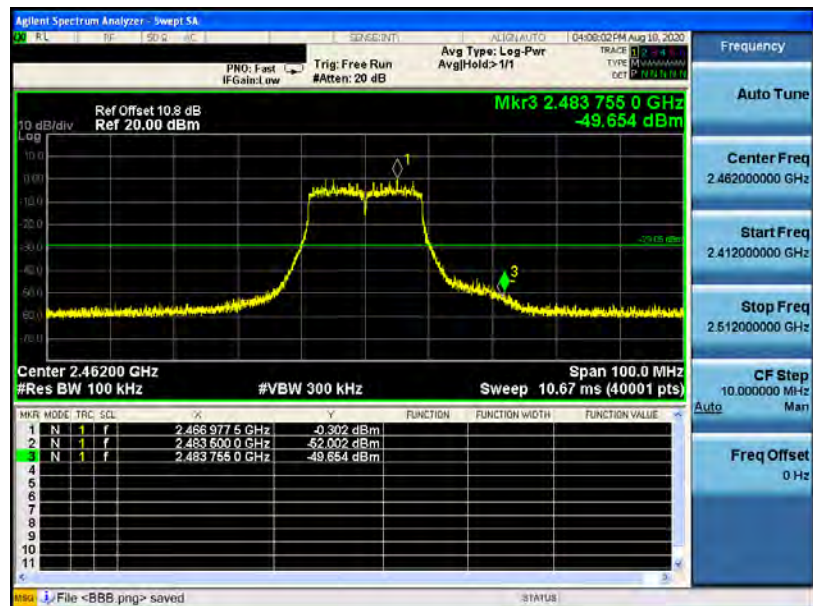


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode _ANT-1

2412 MHz



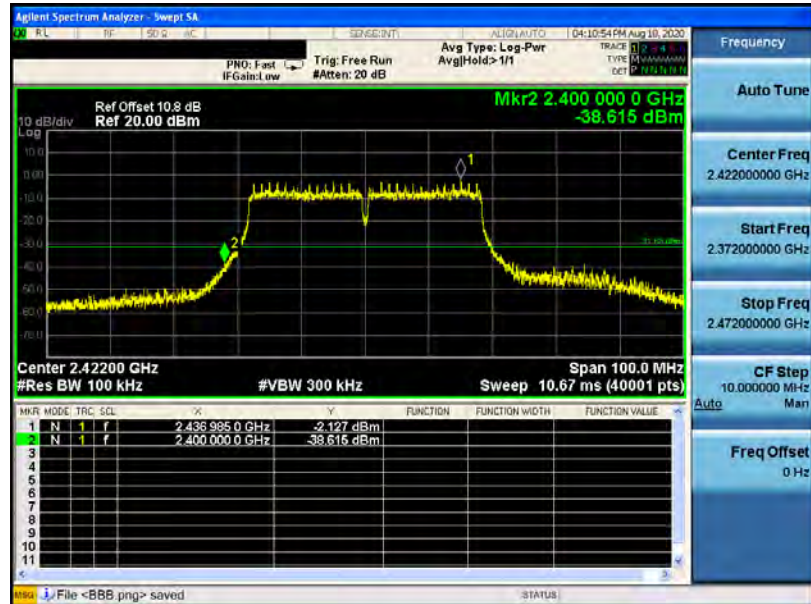
2462 MHz



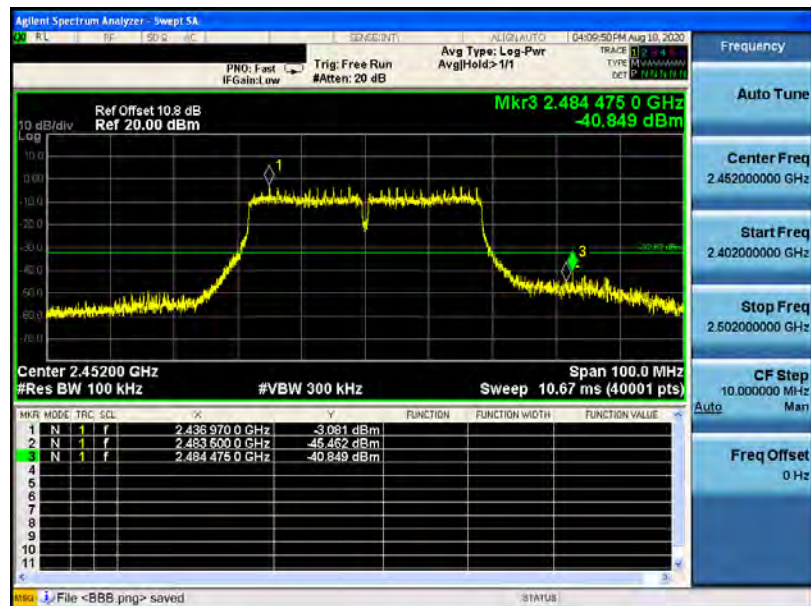


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode _ANT-1

2422 MHz



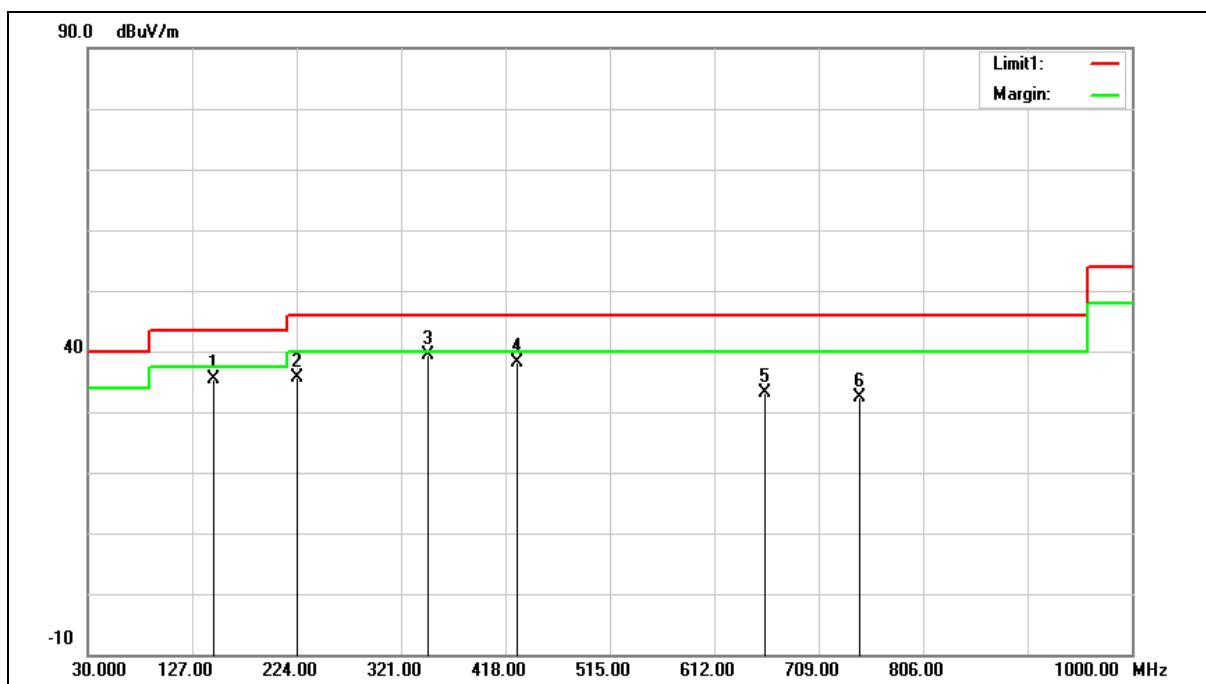
2452 MHz



Annex C. Radiated Emission Measurement

Below 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3m
Frequency:	2437 MHz		
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	147.3700	43.20	-7.79	35.41	43.50	-8.09	QP
2	224.0000	45.00	-9.43	35.57	46.00	-10.43	QP
3	346.2200	45.03	-5.72	39.31	46.00	-6.69	QP
4	428.6700	42.40	-4.32	38.08	46.00	-7.92	QP
5	658.5600	33.68	-0.66	33.02	46.00	-12.98	QP
6	746.8300	31.61	0.71	32.32	46.00	-13.68	QP

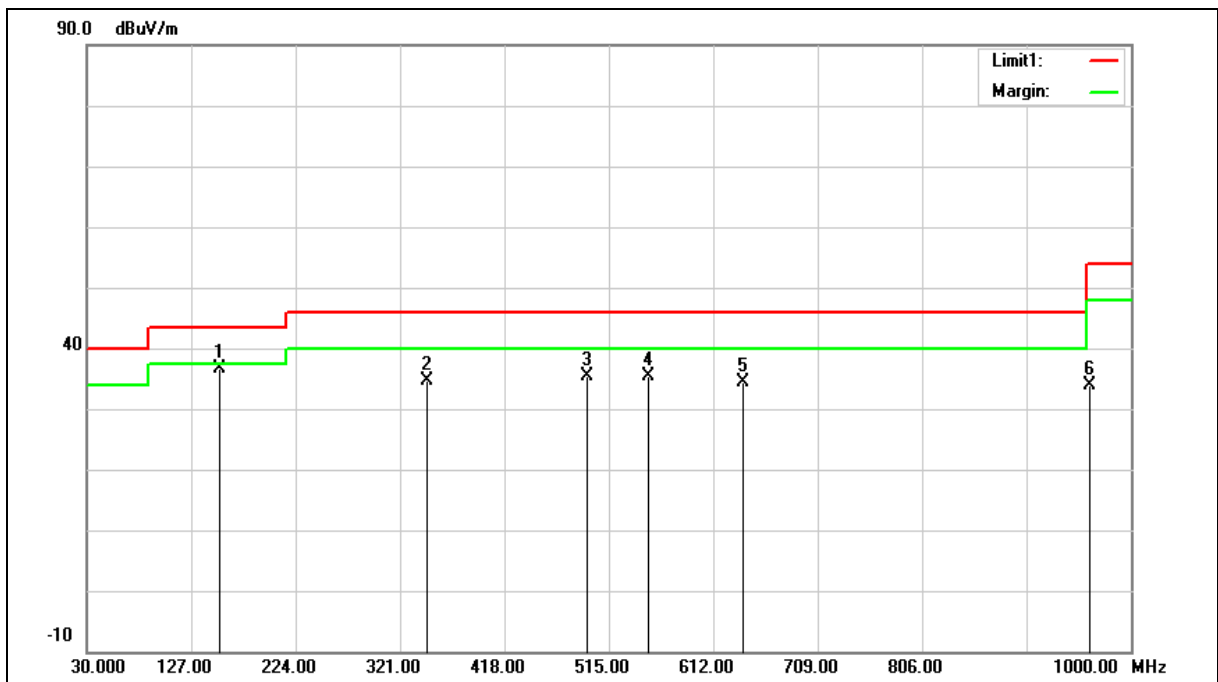
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 35.41 = -7.79 + 43.20.

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
Frequency:	2437 MHz		
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	153.1900	44.36	-7.67	36.69	43.50	-6.81	QP
2	346.2200	40.44	-5.72	34.72	46.00	-11.28	QP
3	494.6300	39.19	-3.73	35.46	46.00	-10.54	QP
4	551.8600	37.80	-2.48	35.32	46.00	-10.68	QP
5	639.1600	35.25	-0.90	34.35	46.00	-11.65	QP
6	961.2000	30.01	3.96	33.97	54.00	-20.03	QP

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

Example: $36.69 = -7.67 + 44.36$.

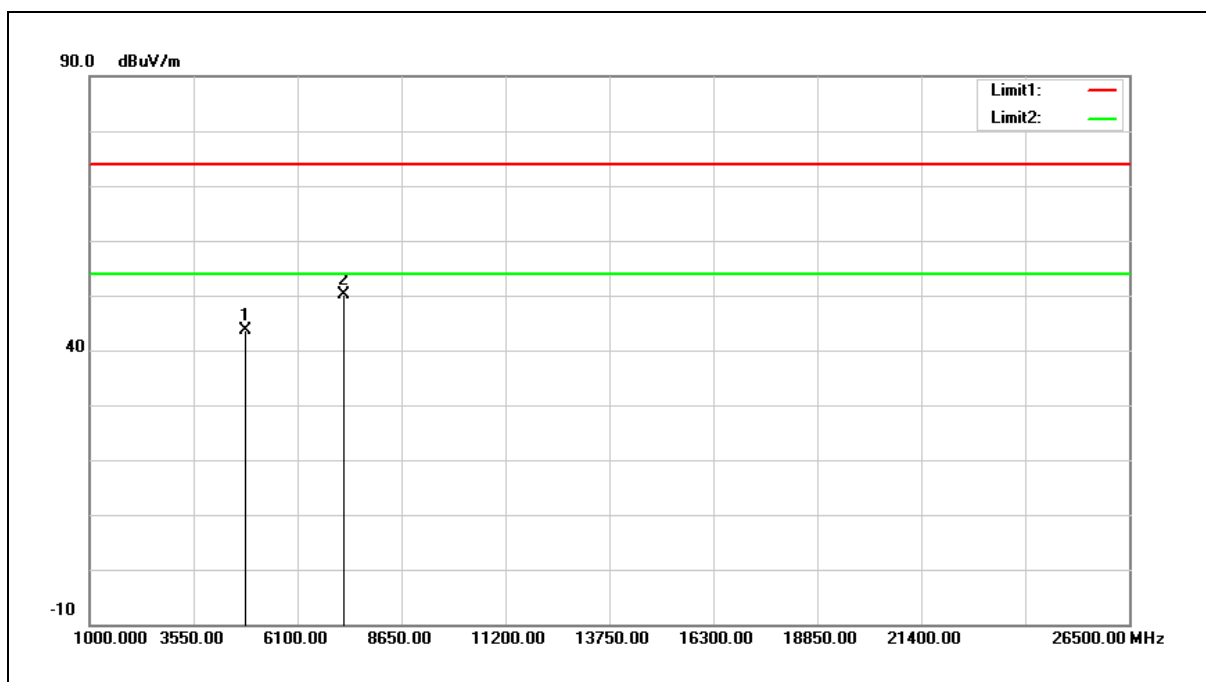
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2412 MHz		
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	40.70	2.87	43.57	74.00	-30.43	peak
2	7236.000	41.62	8.47	50.09	74.00	-23.91	peak

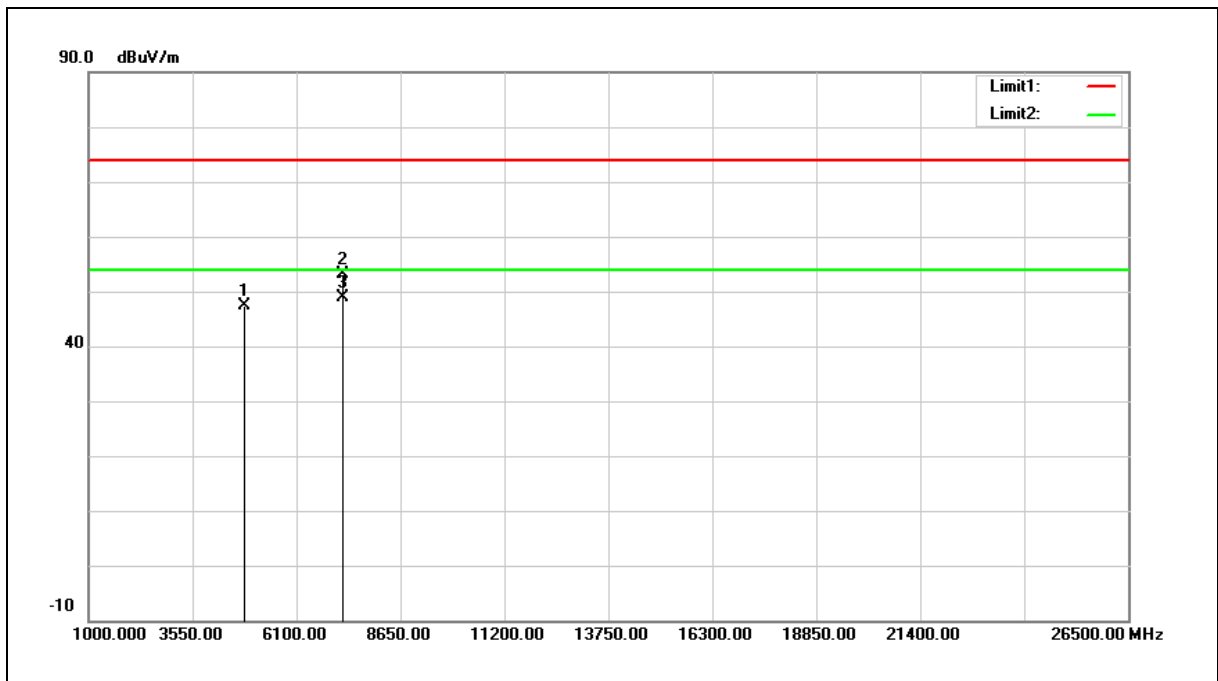
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $43.57 = 2.87 + 40.70$.

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		
Frequency:	2412 MHz		
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	44.57	2.87	47.44	74.00	-26.56	peak
2	7236.000	44.76	8.47	53.23	74.00	-20.77	peak
3	7236.000	40.52	8.47	48.99	54.00	-5.01	AVG

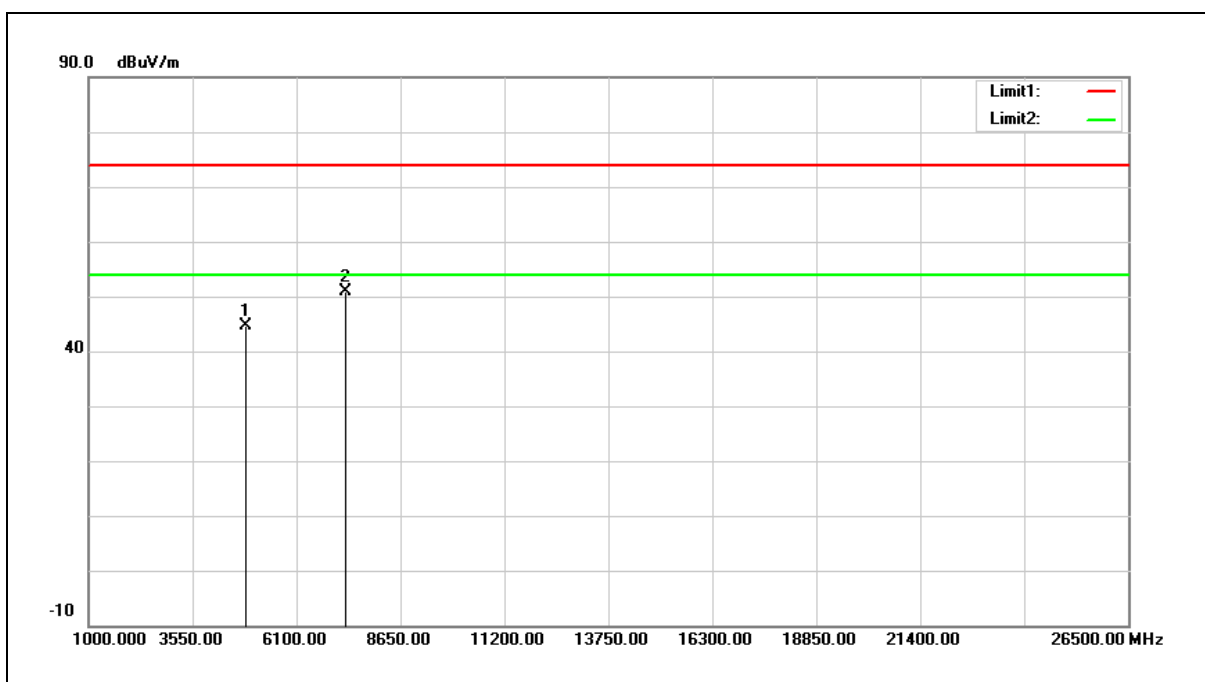
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $47.44 = 2.87 + 44.57$.

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		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



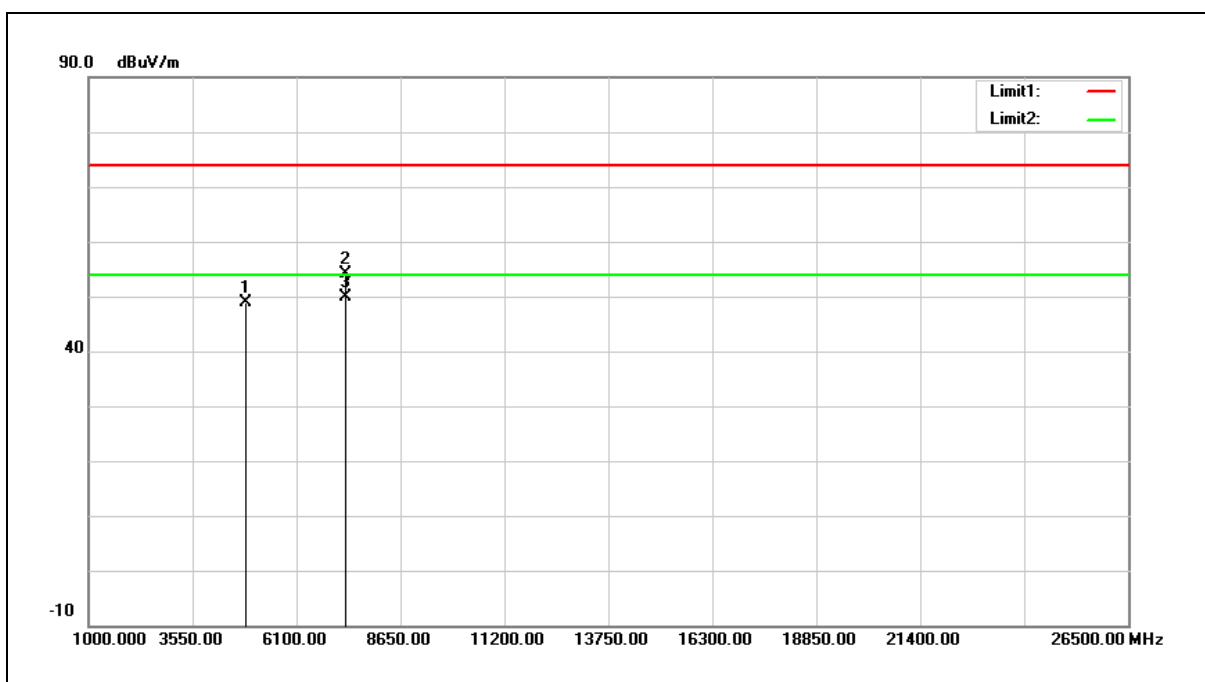
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.60	3.01	44.61	74.00	-29.39	peak
2	7311.000	42.28	8.65	50.93	74.00	-23.07	peak

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		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



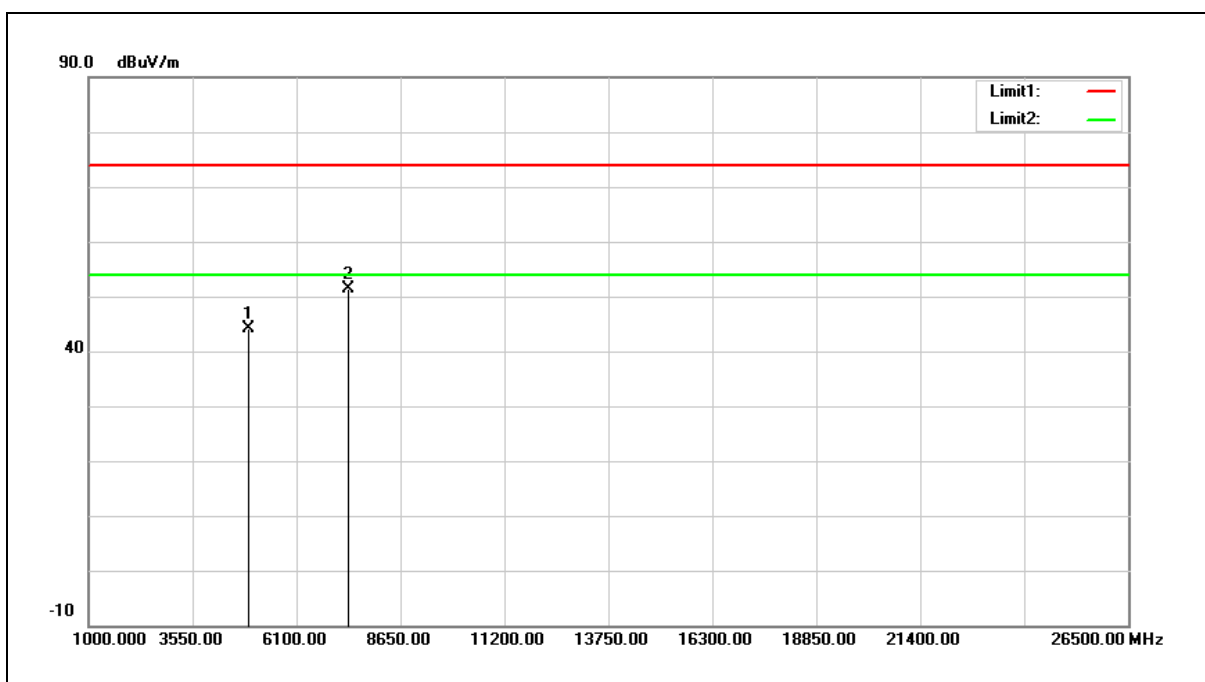
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	45.83	3.01	48.84	74.00	-25.16	peak
2	7311.000	45.43	8.65	54.08	74.00	-19.92	peak
3	7311.000	41.13	8.65	49.78	54.00	-4.22	AVG

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		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



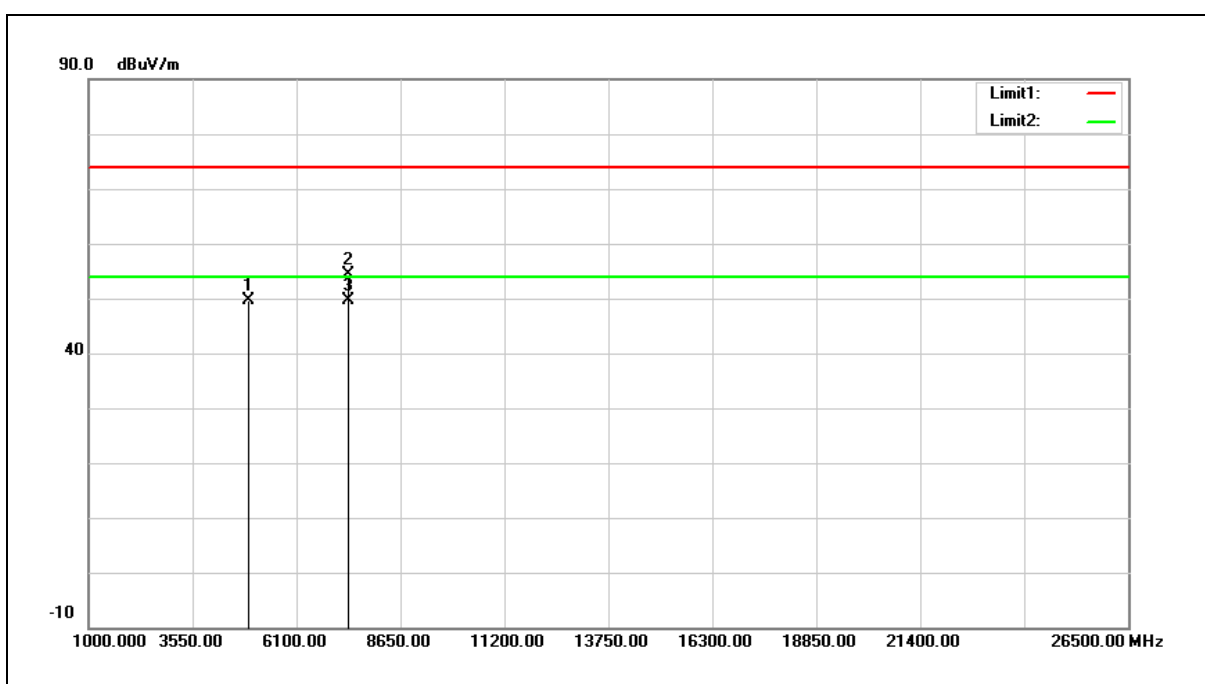
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	41.05	3.15	44.20	74.00	-29.80	peak
2	7386.000	42.51	8.85	51.36	74.00	-22.64	peak

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		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



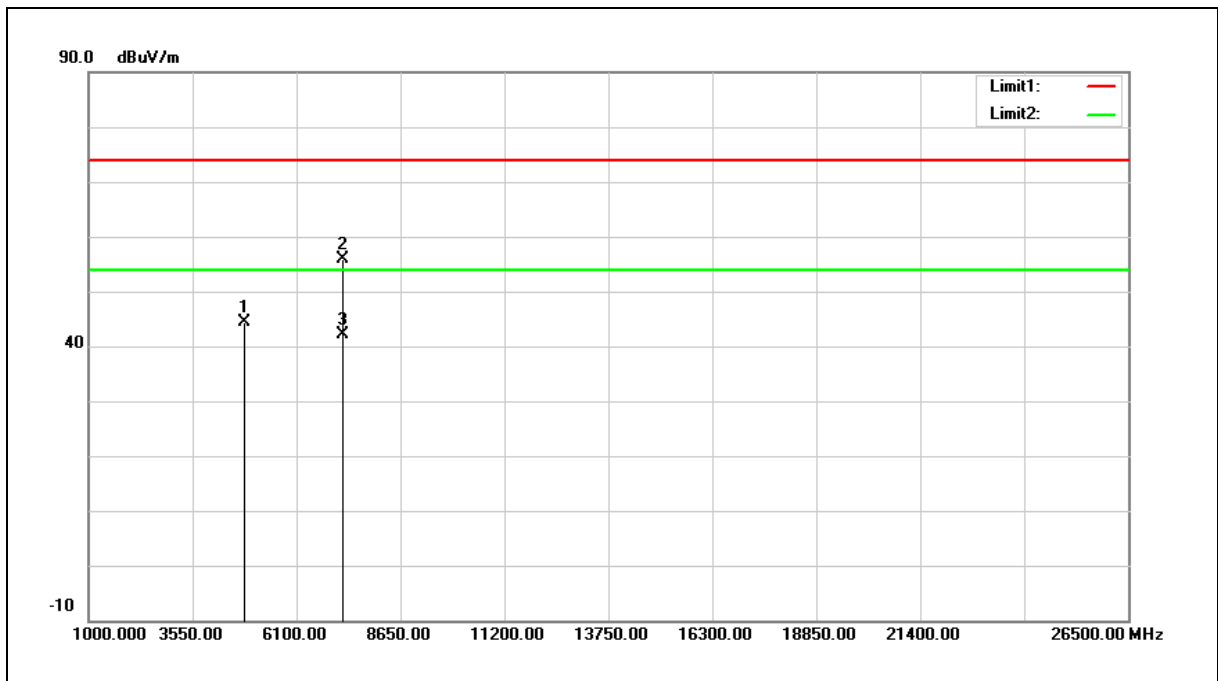
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	46.48	3.15	49.63	74.00	-24.37	peak
2	7386.000	45.46	8.85	54.31	74.00	-19.69	peak
3	7386.000	40.90	8.85	49.75	54.00	-4.25	AVG

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		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



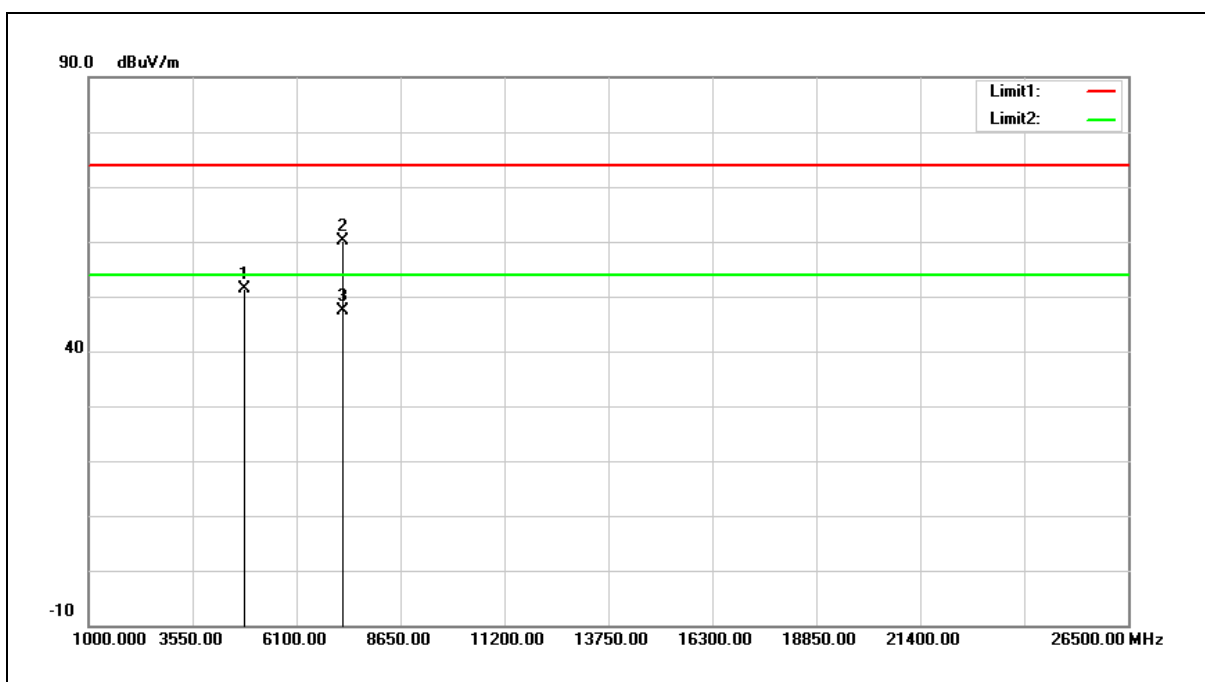
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	41.51	2.87	44.38	74.00	-29.62	peak
2	7236.000	47.51	8.47	55.98	74.00	-18.02	peak
3	7236.000	33.55	8.47	42.02	54.00	-11.98	AVG

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		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



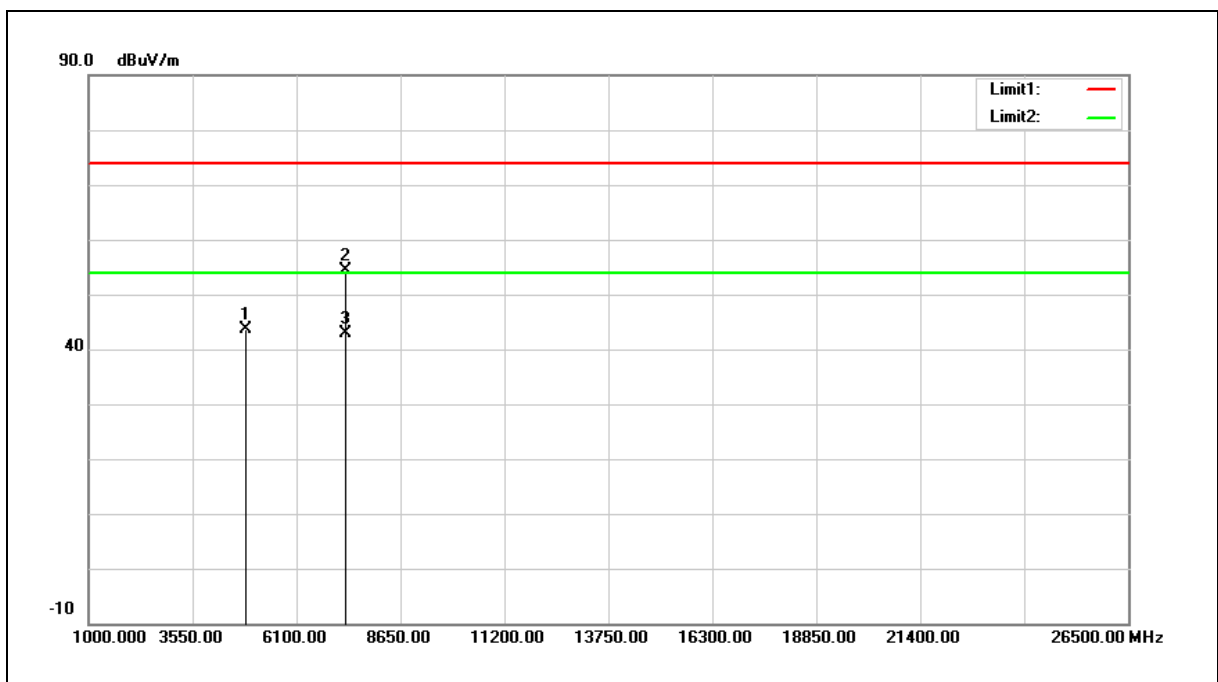
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	48.61	2.87	51.48	74.00	-22.52	peak
2	7236.000	51.61	8.47	60.08	74.00	-13.92	peak
3	7236.000	38.86	8.47	47.33	54.00	-6.67	AVG

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		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



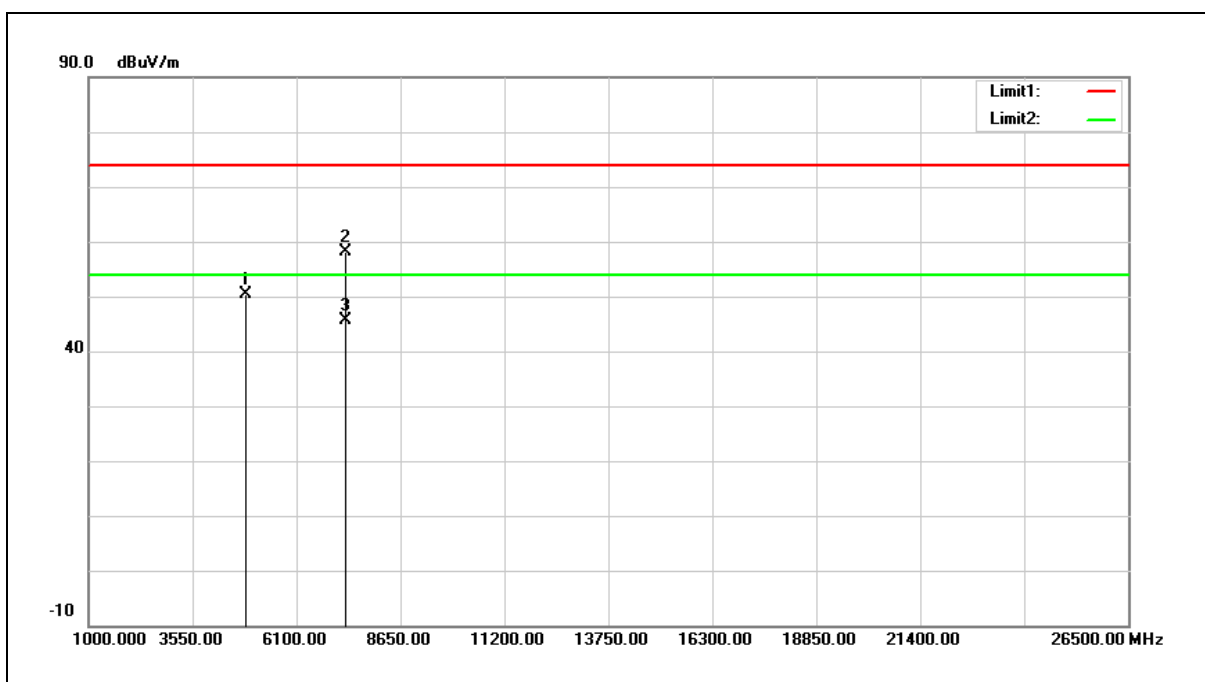
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.56	3.01	43.57	74.00	-30.43	peak
2	7311.000	45.79	8.65	54.44	74.00	-19.56	peak
3	7311.000	34.33	8.65	42.98	54.00	-11.02	AVG

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		
Frequency:	2437 MHz		
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	47.42	3.01	50.43	74.00	-23.57	peak
2	7311.000	49.43	8.65	58.08	74.00	-15.92	peak
3	7311.000	36.94	8.65	45.59	54.00	-8.41	AVG

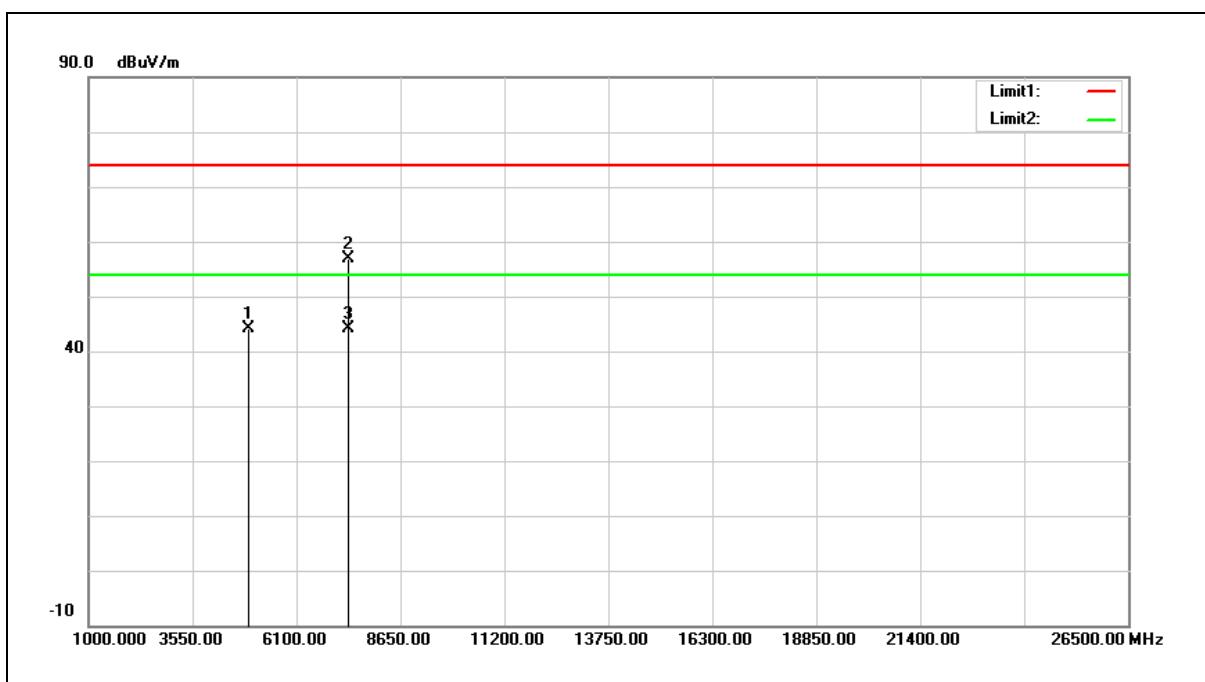
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



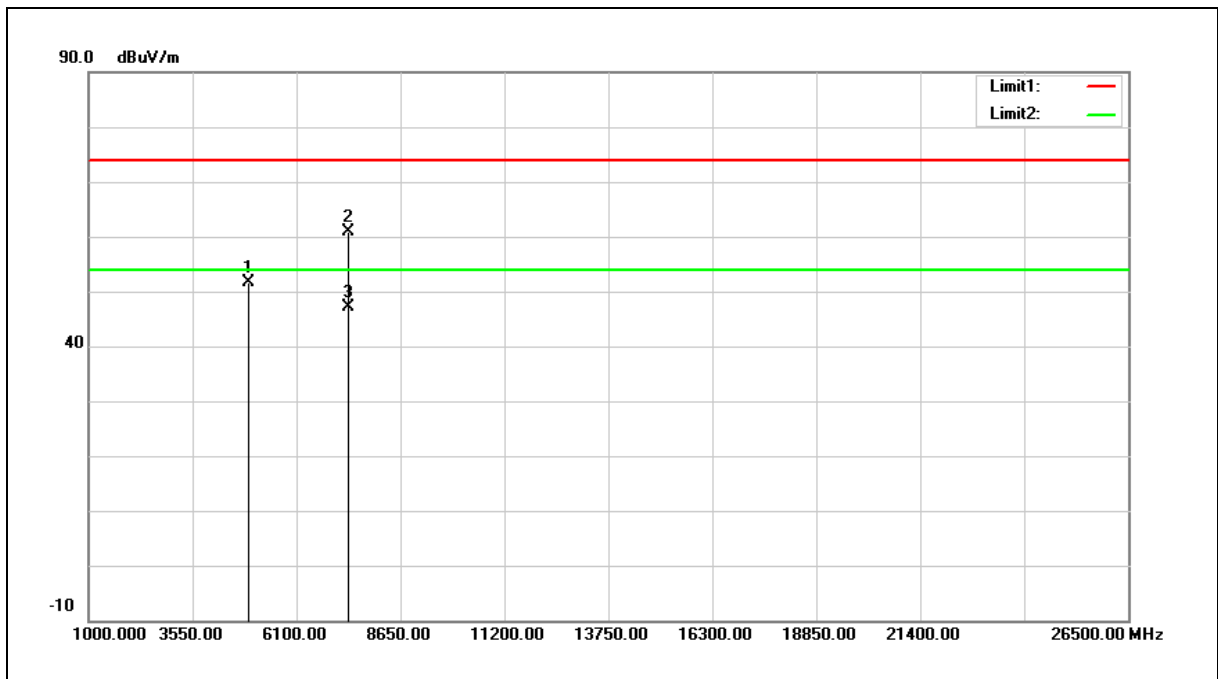
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.94	3.15	44.09	74.00	-29.91	peak
2	7386.000	48.04	8.85	56.89	74.00	-17.11	peak
3	7386.000	35.36	8.85	44.21	54.00	-9.79	AVG

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		
Frequency:	2462 MHz		
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	48.60	3.15	51.75	74.00	-22.25	peak
2	7386.000	52.04	8.85	60.89	74.00	-13.11	peak
3	7386.000	38.38	8.85	47.23	54.00	-6.77	AVG

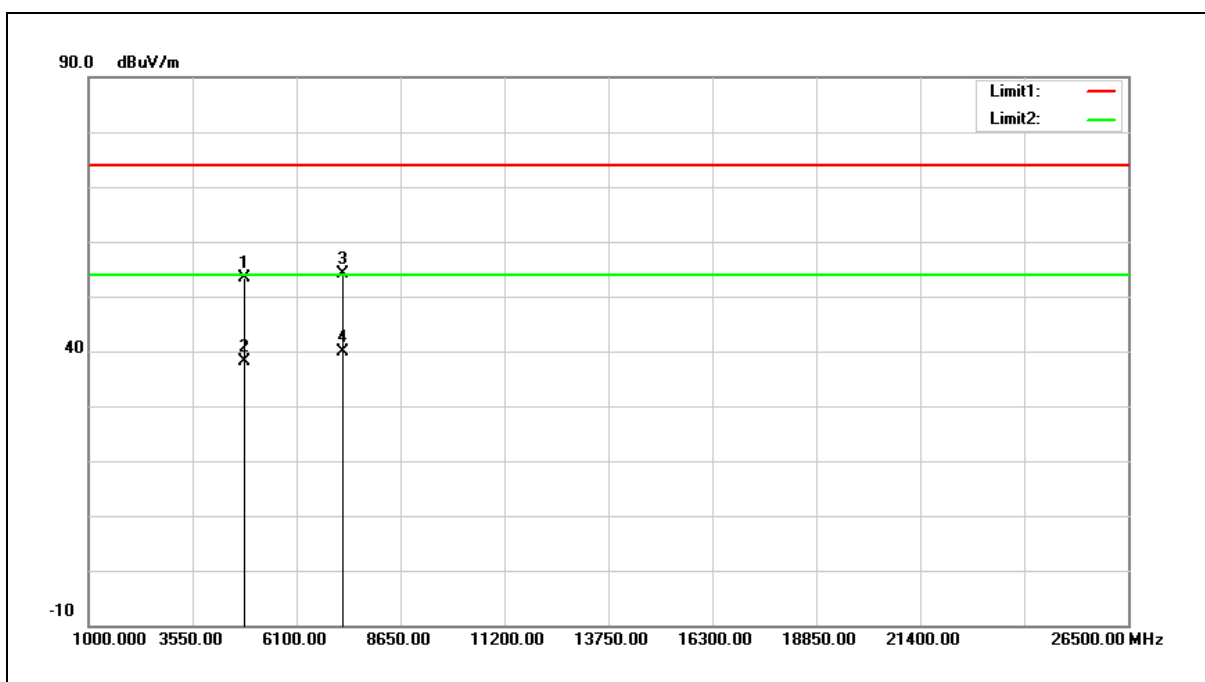
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



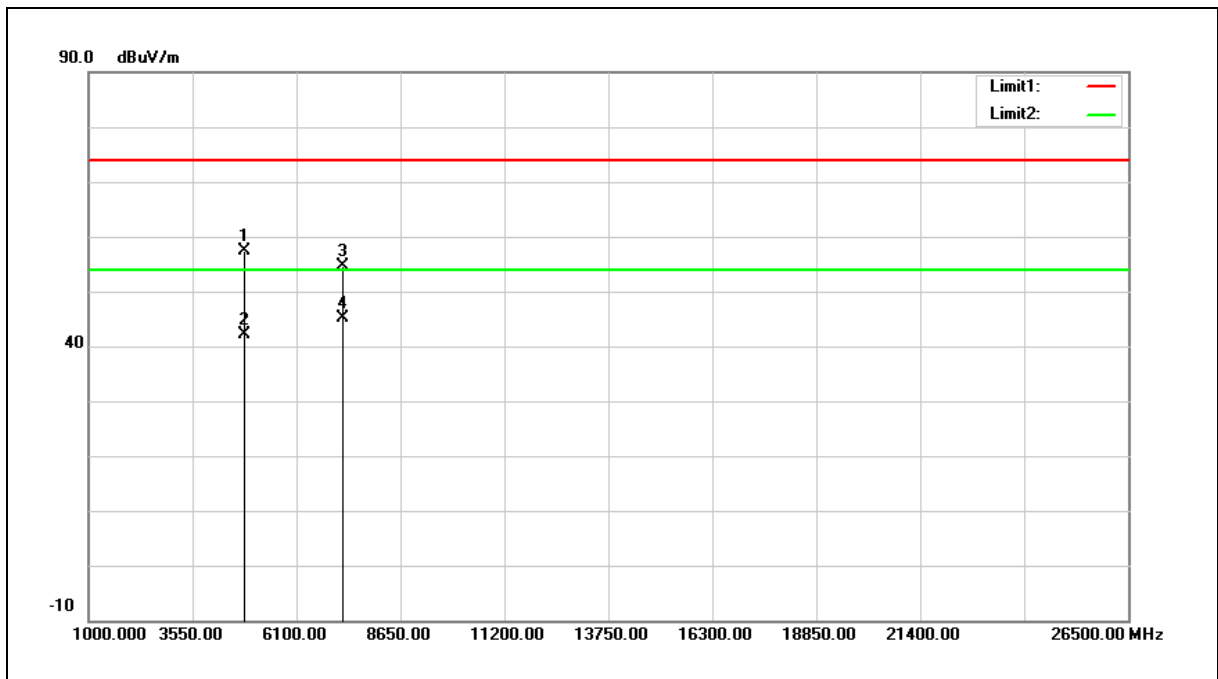
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	50.42	2.84	53.26	74.00	-20.74	peak
2	4824.000	35.33	2.84	38.17	54.00	-15.83	AVG
3	7236.000	45.20	8.91	54.11	74.00	-19.89	peak
4	7236.000	30.85	8.91	39.76	54.00	-14.24	AVG

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		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



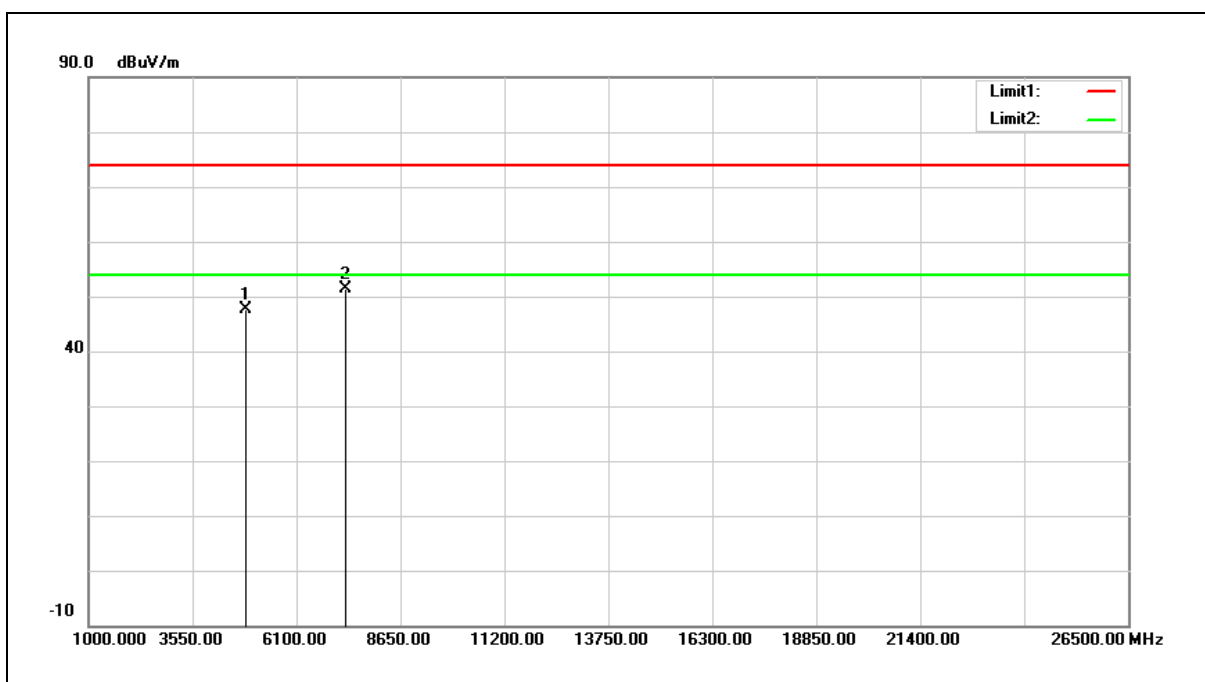
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	54.50	2.84	57.34	74.00	-16.66	peak
2	4824.000	39.23	2.84	42.07	54.00	-11.93	AVG
3	7236.000	45.83	8.91	54.74	74.00	-19.26	peak
4	7236.000	36.33	8.91	45.24	54.00	-8.76	AVG

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



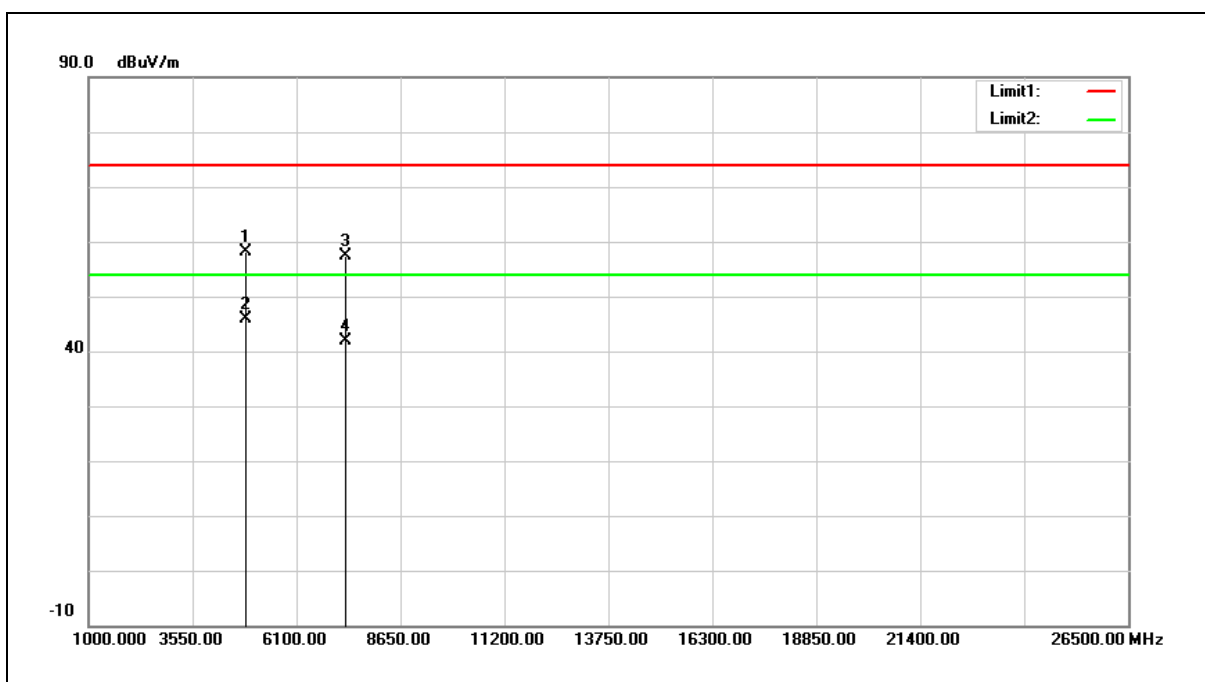
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	44.65	2.96	47.61	74.00	-26.39	peak
2	7311.000	42.24	9.14	51.38	74.00	-22.62	peak

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



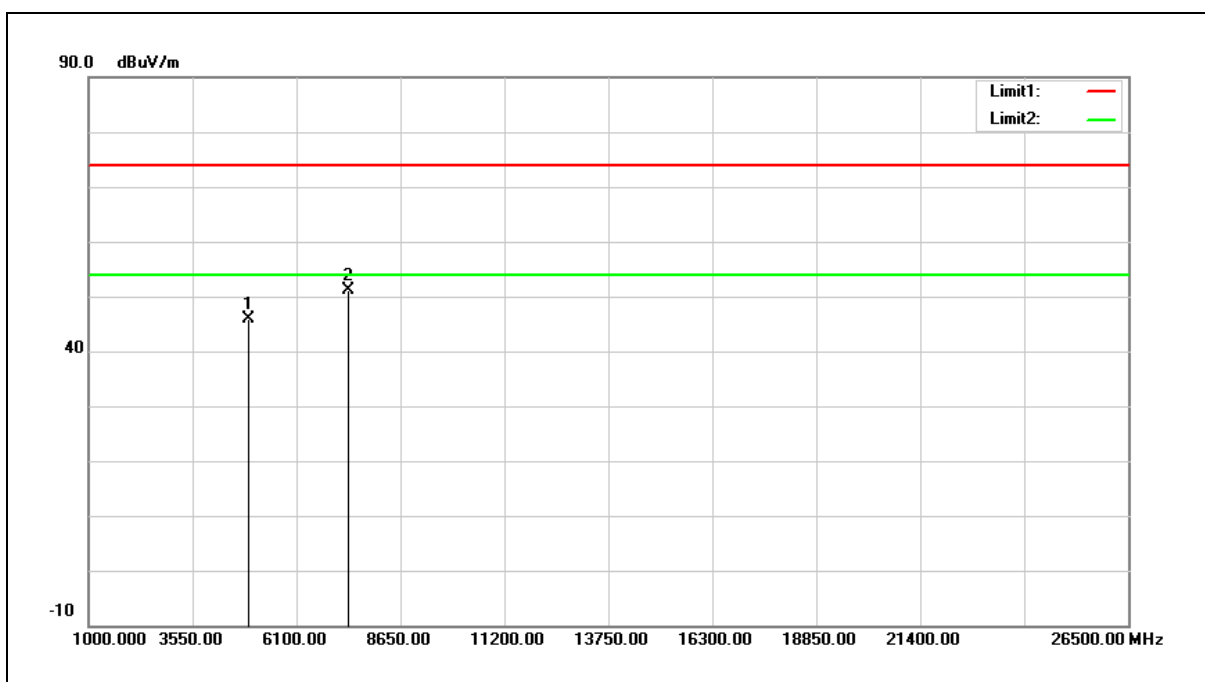
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	55.11	2.96	58.07	74.00	-15.93	peak
2	4874.000	42.86	2.96	45.82	54.00	-8.18	AVG
3	7311.000	48.32	9.14	57.46	74.00	-16.54	peak
4	7311.000	32.66	9.14	41.80	54.00	-12.20	AVG

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



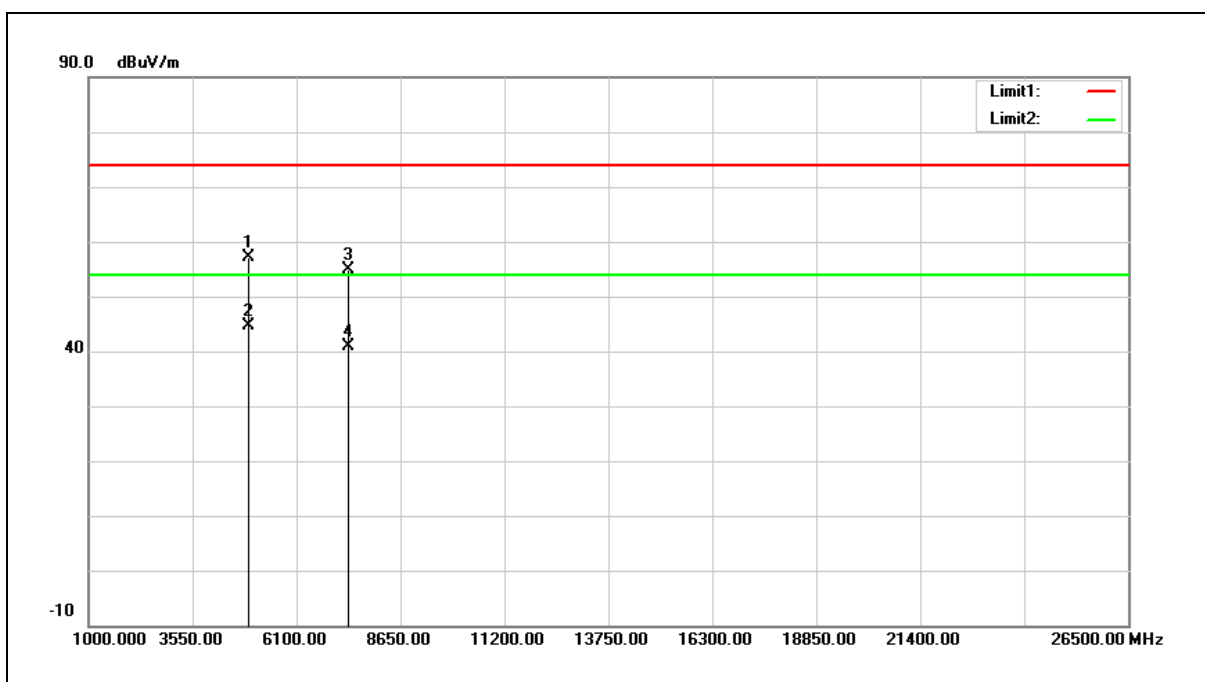
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	42.78	3.08	45.86	74.00	-28.14	peak
2	7386.000	41.77	9.38	51.15	74.00	-22.85	peak

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



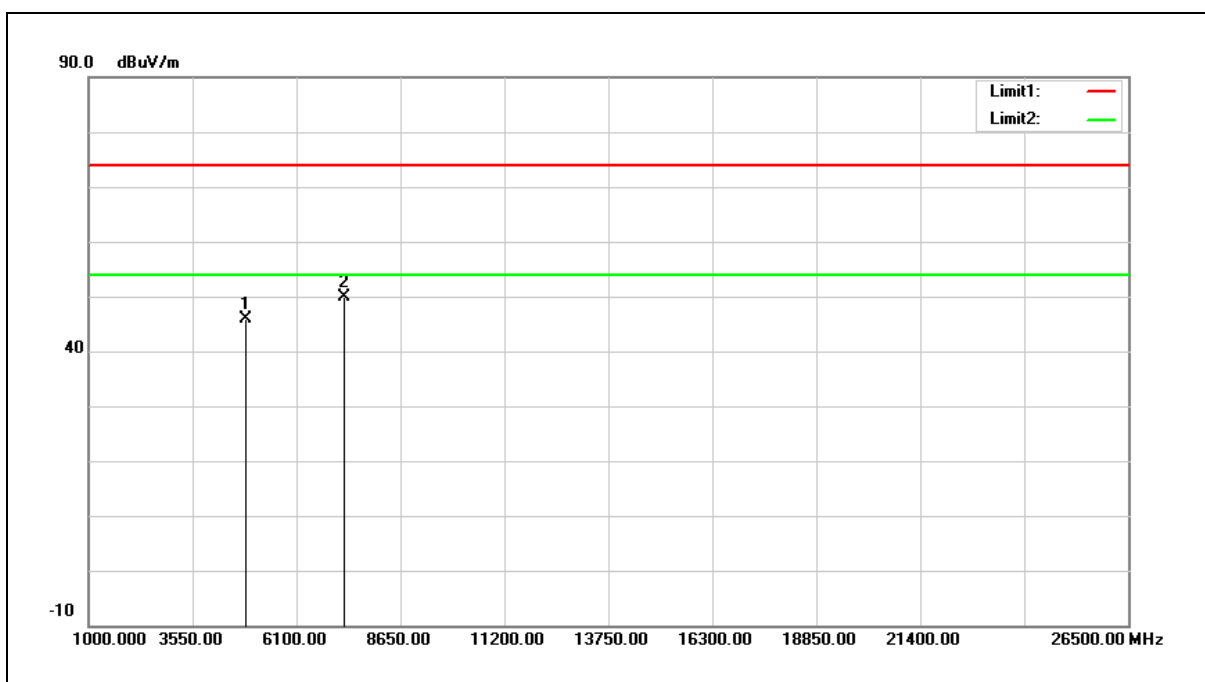
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	54.00	3.08	57.08	74.00	-16.92	peak
2	4924.000	41.61	3.08	44.69	54.00	-9.31	AVG
3	7386.000	45.40	9.38	54.78	74.00	-19.22	peak
4	7386.000	31.48	9.38	40.86	54.00	-13.14	AVG

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:	Harmonic		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



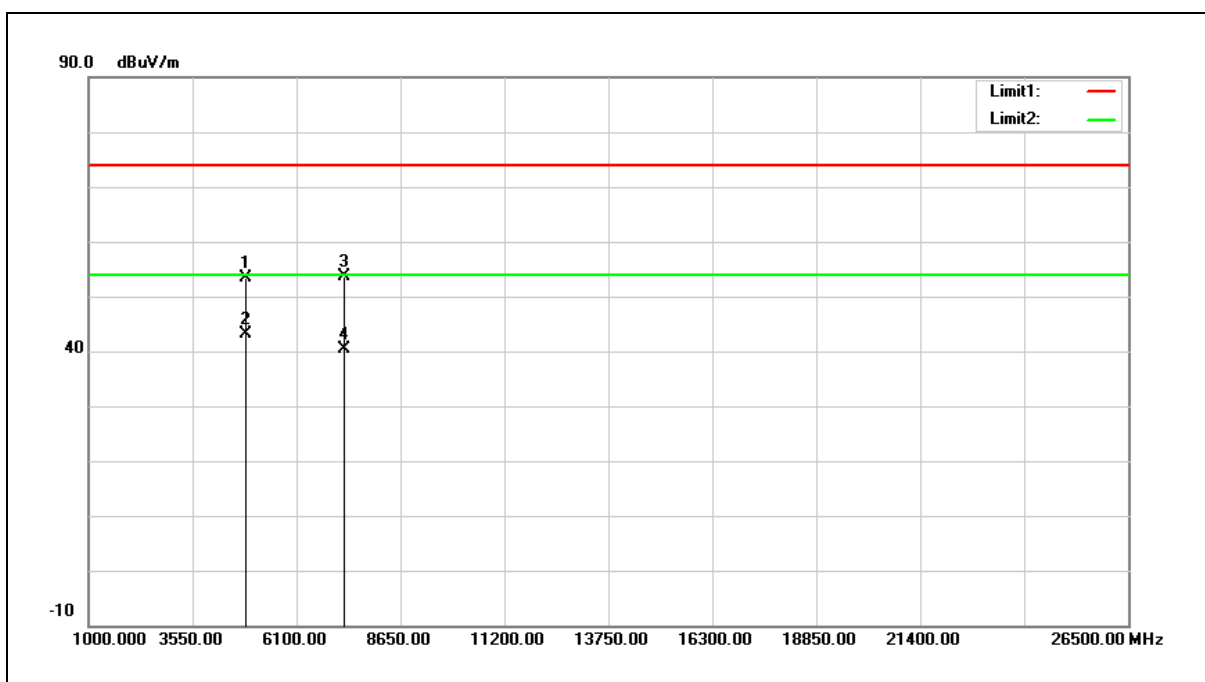
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	43.07	2.90	45.97	74.00	-28.03	peak
2	7266.000	40.95	9.00	49.95	74.00	-24.05	peak

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



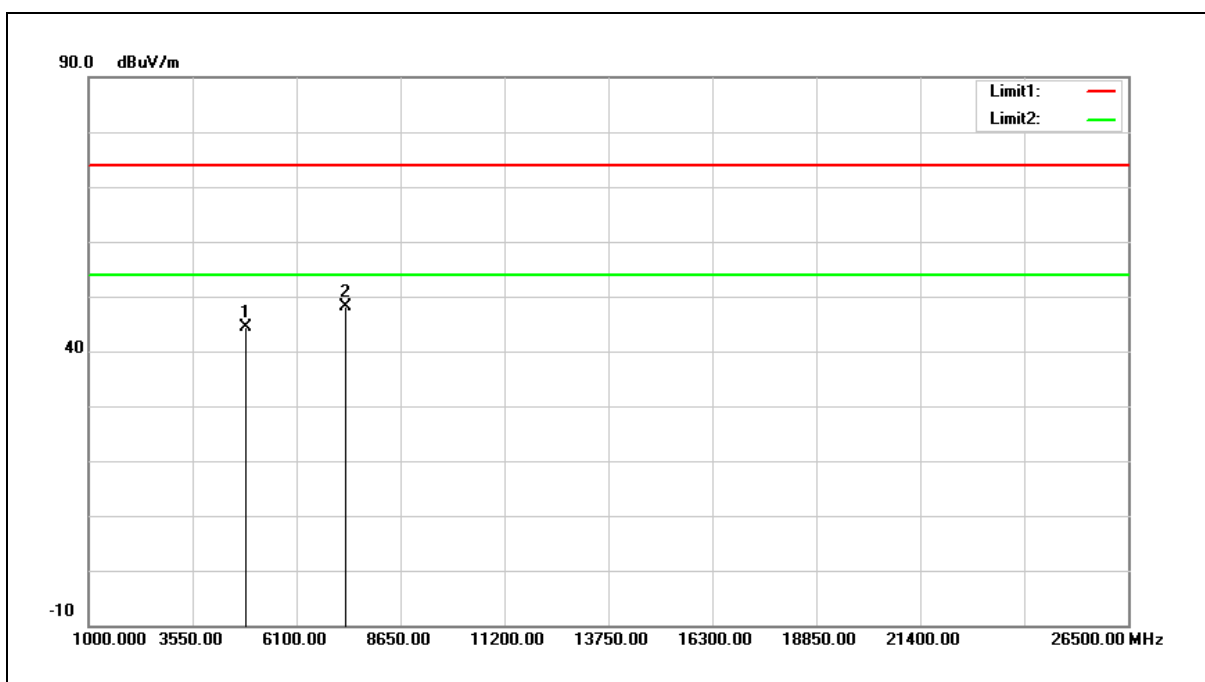
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	50.57	2.90	53.47	74.00	-20.53	peak
2	4844.000	40.11	2.90	43.01	54.00	-10.99	AVG
3	7266.000	44.73	9.00	53.73	74.00	-20.27	peak
4	7266.000	31.48	9.00	40.48	54.00	-13.52	AVG

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



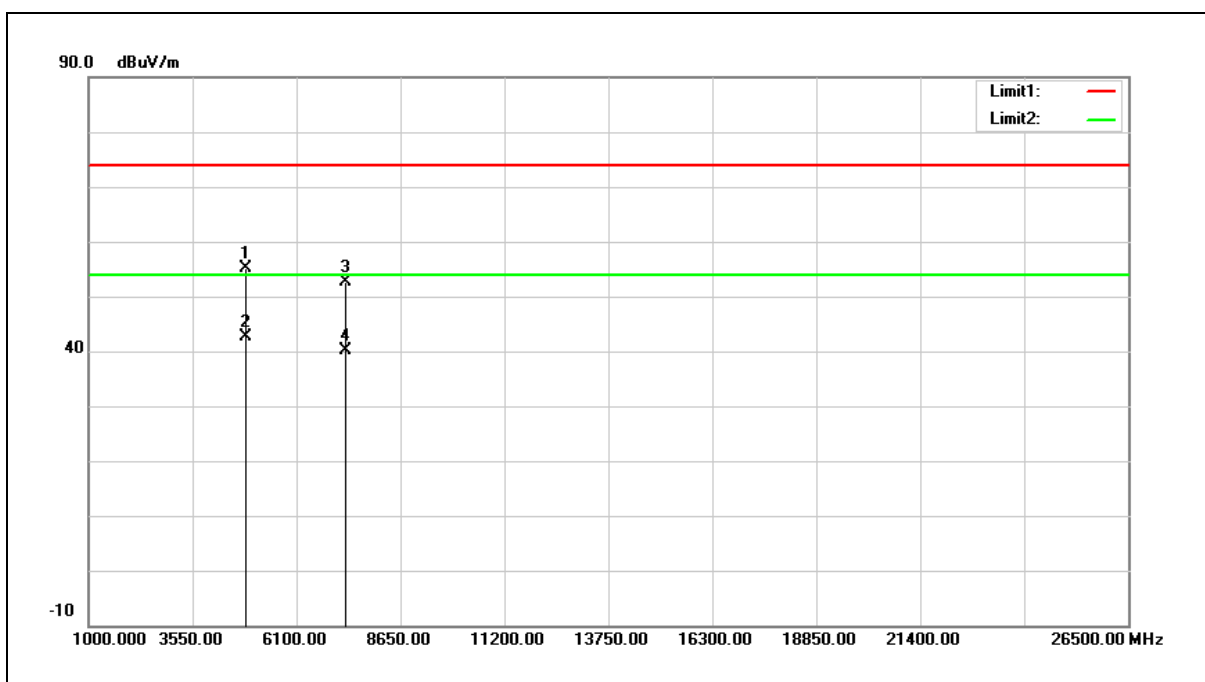
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.32	2.96	44.28	74.00	-29.72	peak
2	7311.000	38.87	9.14	48.01	74.00	-25.99	peak

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



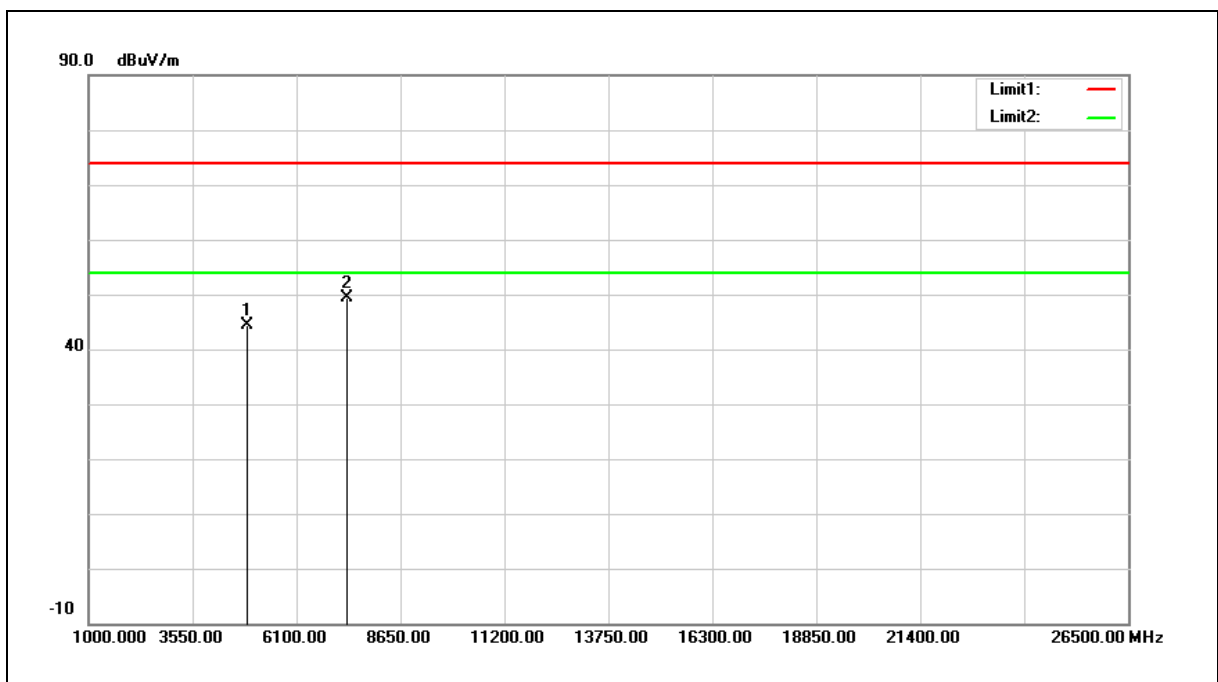
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	52.14	2.96	55.10	74.00	-18.90	peak
2	4874.000	39.76	2.96	42.72	54.00	-11.28	AVG
3	7311.000	43.61	9.14	52.75	74.00	-21.25	peak
4	7311.000	30.91	9.14	40.05	54.00	-13.95	AVG

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		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



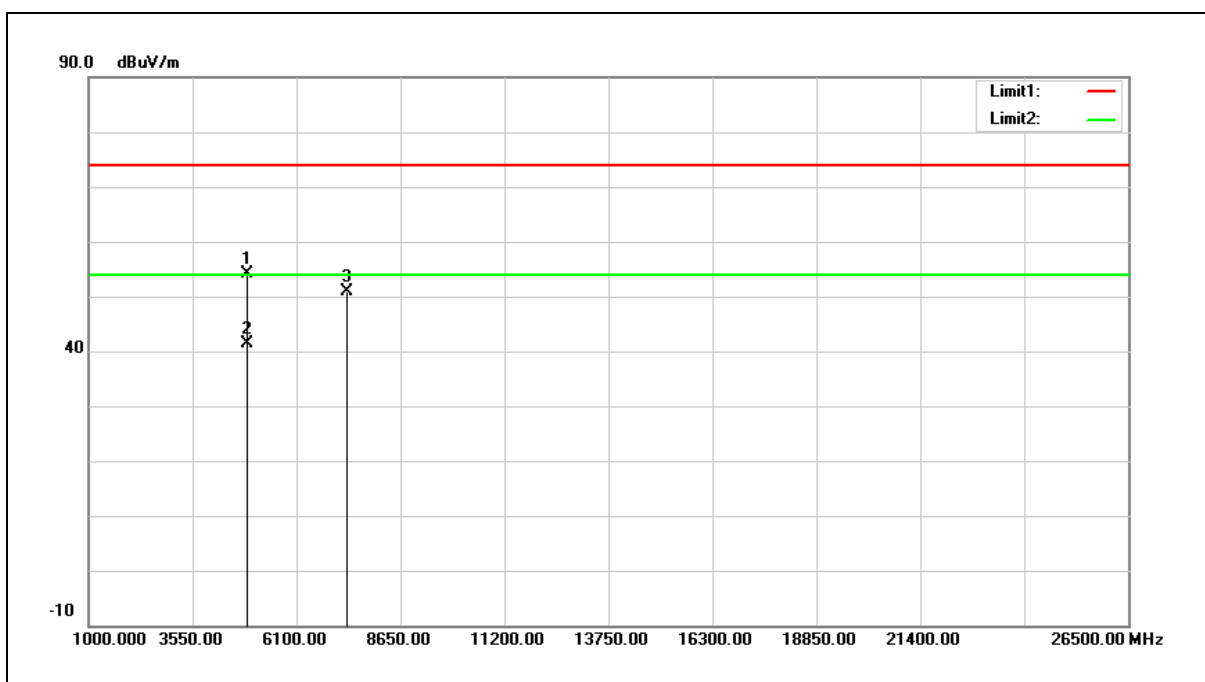
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	41.33	3.03	44.36	74.00	-29.64	peak
2	7356.000	40.21	9.29	49.50	74.00	-24.50	peak

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		
Frequency:	2452 MHz		
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	51.09	3.03	54.12	74.00	-19.88	peak
2	4904.000	38.42	3.03	41.45	54.00	-12.55	AVG
3	7356.000	41.47	9.29	50.76	74.00	-23.24	peak

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

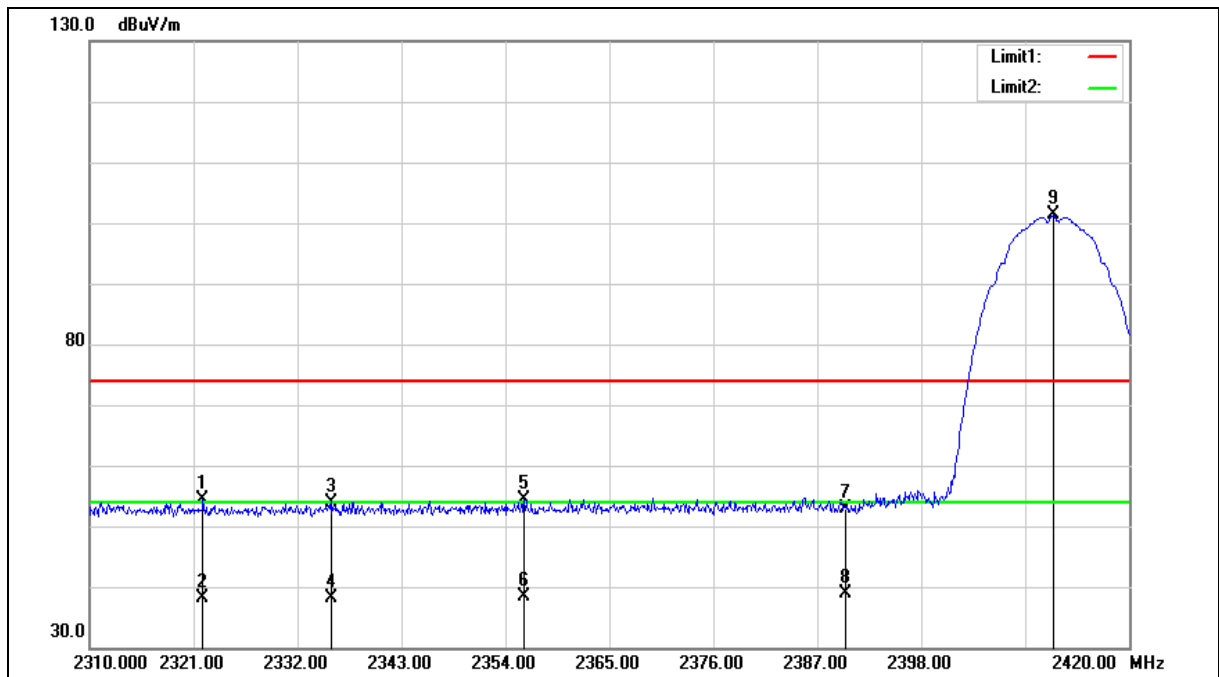
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2321.990	57.81	-3.52	54.29	74.00	-19.71	peak
2	2321.990	41.60	-3.52	38.08	54.00	-15.92	AVG
3	2335.630	57.47	-3.47	54.00	74.00	-20.00	peak
4	2335.630	41.60	-3.47	38.13	54.00	-15.87	AVG
5	2355.980	57.81	-3.40	54.41	74.00	-19.59	peak
6	2355.980	41.72	-3.40	38.32	54.00	-15.68	AVG
7	2390.000	56.15	-3.28	52.87	74.00	-21.13	peak
8	2390.000	42.24	-3.28	38.96	54.00	-15.04	AVG
9	2411.970	104.54	-3.20	101.34	--	--	peak

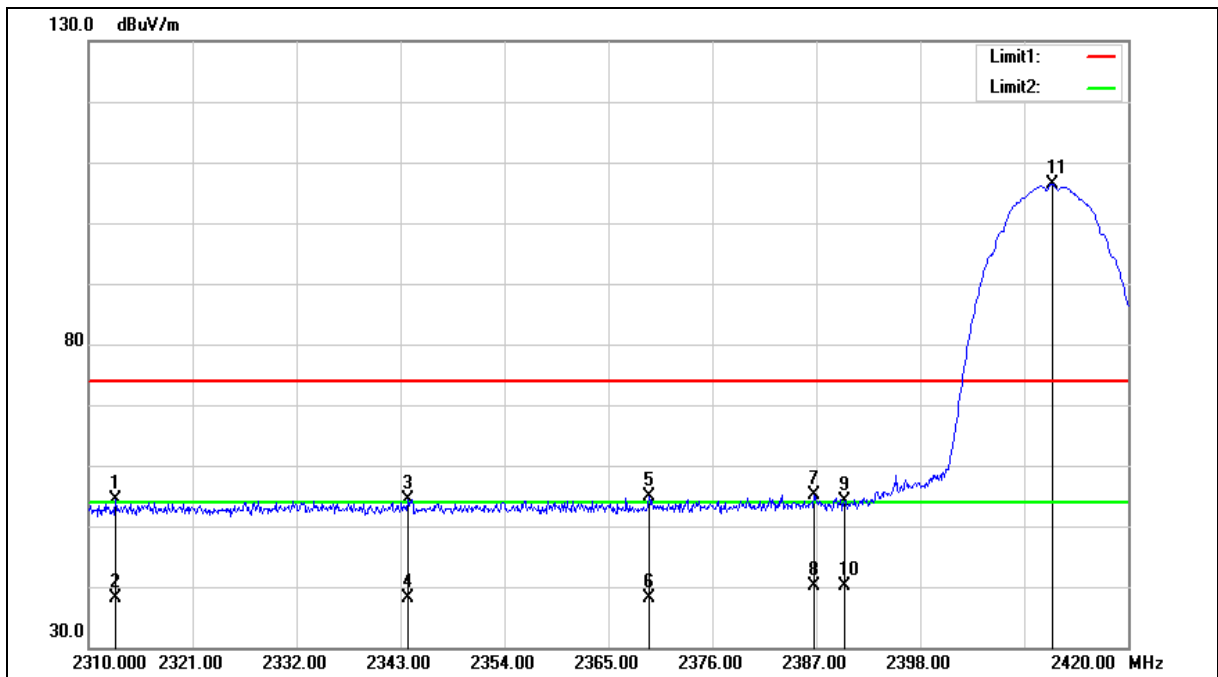
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2312.860	58.05	-3.56	54.49	74.00	-19.51	peak
2	2312.860	41.75	-3.56	38.19	54.00	-15.81	AVG
3	2343.770	57.89	-3.45	54.44	74.00	-19.56	peak
4	2343.770	41.69	-3.45	38.24	54.00	-15.76	AVG
5	2369.290	58.25	-3.36	54.89	74.00	-19.11	peak
6	2369.290	41.57	-3.36	38.21	54.00	-15.79	AVG
7	2386.780	58.37	-3.29	55.08	74.00	-18.92	peak
8	2386.780	43.39	-3.29	40.10	54.00	-13.90	AVG
9	2390.000	57.31	-3.28	54.03	74.00	-19.97	peak
10	2390.000	43.33	-3.28	40.05	54.00	-13.95	AVG
11	2411.970	109.63	-3.20	106.43	--	--	peak

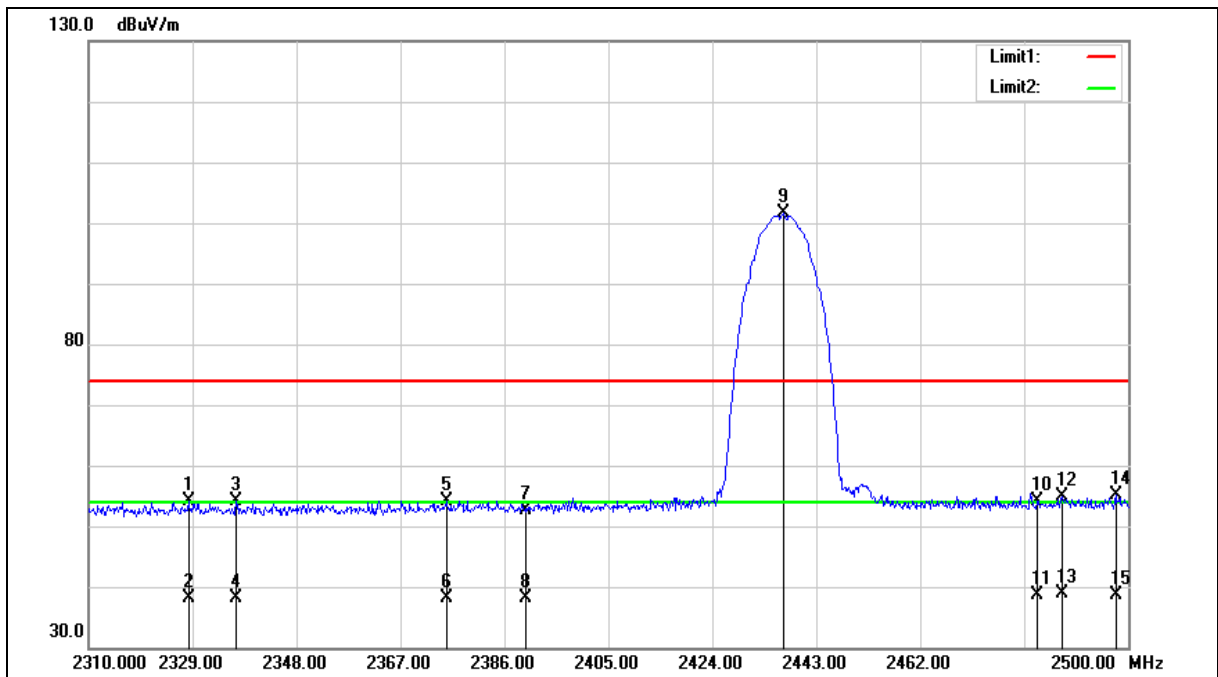
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2328.240	57.67	-3.51	54.16	74.00	-19.84	peak
2	2328.240	41.70	-3.51	38.19	54.00	-15.81	AVG
3	2336.980	57.58	-3.47	54.11	74.00	-19.89	peak
4	2336.980	41.54	-3.47	38.07	54.00	-15.93	AVG
5	2375.360	57.38	-3.33	54.05	74.00	-19.95	peak
6	2375.360	41.51	-3.33	38.18	54.00	-15.82	AVG
7	2390.000	55.83	-3.28	52.55	74.00	-21.45	peak
8	2390.000	41.52	-3.28	38.24	54.00	-15.76	AVG
9	2436.920	104.83	-3.11	101.72	--	--	peak
10	2483.500	57.04	-2.93	54.11	74.00	-19.89	peak
11	2483.500	41.61	-2.93	38.68	54.00	-15.32	AVG
12	2488.030	57.87	-2.92	54.95	74.00	-19.05	peak
13	2488.030	41.69	-2.92	38.77	54.00	-15.23	AVG
14	2497.720	57.91	-2.88	55.03	74.00	-18.97	peak
15	2497.720	41.51	-2.88	38.63	54.00	-15.37	AVG

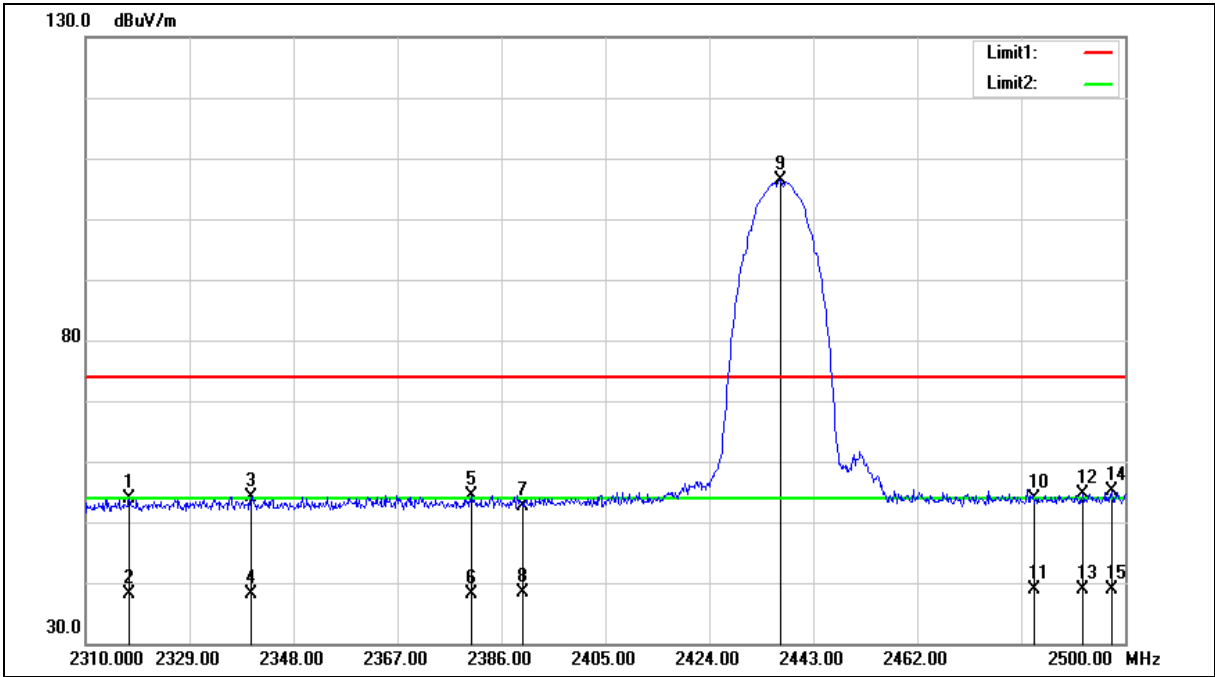
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2317.980	57.34	-3.54	53.80	74.00	-20.20	peak
2	2317.980	41.71	-3.54	38.17	54.00	-15.83	AVG
3	2340.210	57.61	-3.46	54.15	74.00	-19.85	peak
4	2340.210	41.66	-3.46	38.20	54.00	-15.80	AVG
5	2380.490	57.61	-3.32	54.29	74.00	-19.71	peak
6	2380.490	41.47	-3.32	38.15	54.00	-15.85	AVG
7	2390.000	55.83	-3.28	52.55	74.00	-21.45	peak
8	2390.000	41.74	-3.28	38.46	54.00	-15.54	AVG
9	2436.920	109.49	-3.11	106.38	--	--	peak
10	2483.500	56.91	-2.93	53.98	74.00	-20.02	peak
11	2483.500	41.89	-2.93	38.96	54.00	-15.04	AVG
12	2492.210	57.60	-2.90	54.70	74.00	-19.30	peak
13	2492.210	41.74	-2.90	38.84	54.00	-15.16	AVG
14	2497.530	58.01	-2.88	55.13	74.00	-18.87	peak
15	2497.530	41.76	-2.88	38.88	54.00	-15.12	AVG

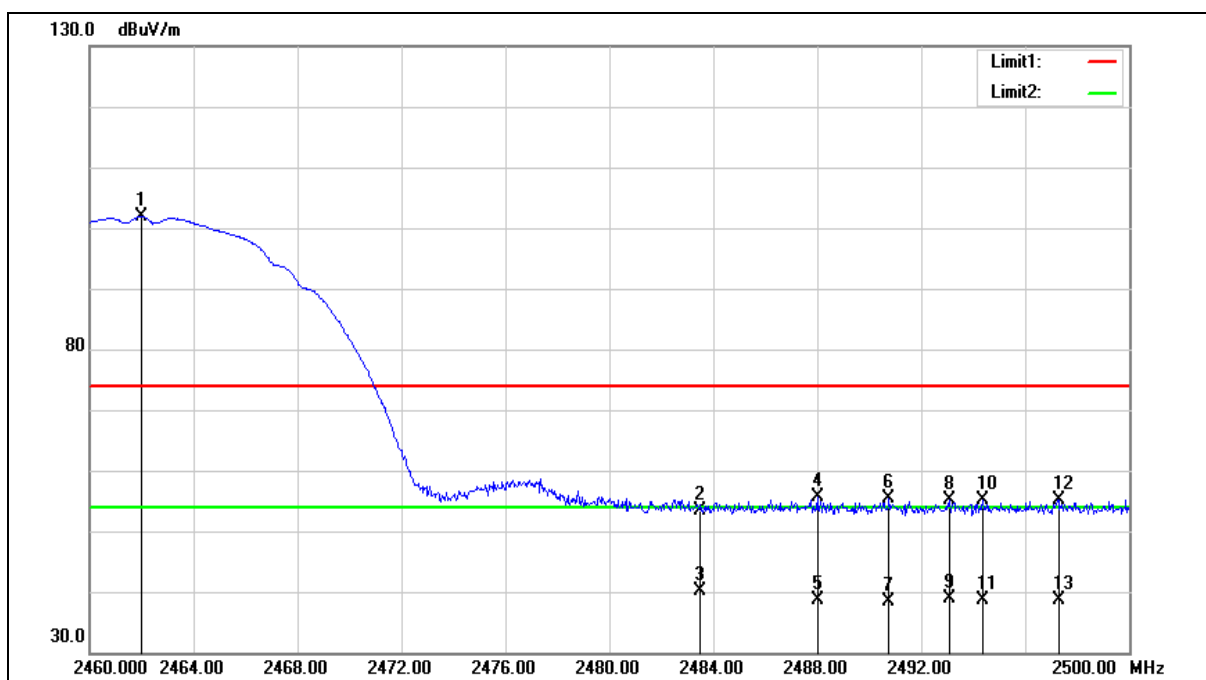
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2462.000	105.01	-3.01	102.00	--	--	peak
2	2483.500	56.38	-2.93	53.45	74.00	-20.55	peak
3	2483.500	43.02	-2.93	40.09	54.00	-13.91	AVG
4	2488.000	58.61	-2.92	55.69	74.00	-18.31	peak
5	2488.000	41.65	-2.92	38.73	54.00	-15.27	AVG
6	2490.760	58.32	-2.91	55.41	74.00	-18.59	peak
7	2490.760	41.37	-2.91	38.46	54.00	-15.54	AVG
8	2493.080	58.07	-2.90	55.17	74.00	-18.83	peak
9	2493.080	41.66	-2.90	38.76	54.00	-15.24	AVG
10	2494.360	57.94	-2.89	55.05	74.00	-18.95	peak
11	2494.360	41.50	-2.89	38.61	54.00	-15.39	AVG
12	2497.280	57.94	-2.88	55.06	74.00	-18.94	peak
13	2497.280	41.43	-2.88	38.55	54.00	-15.45	AVG

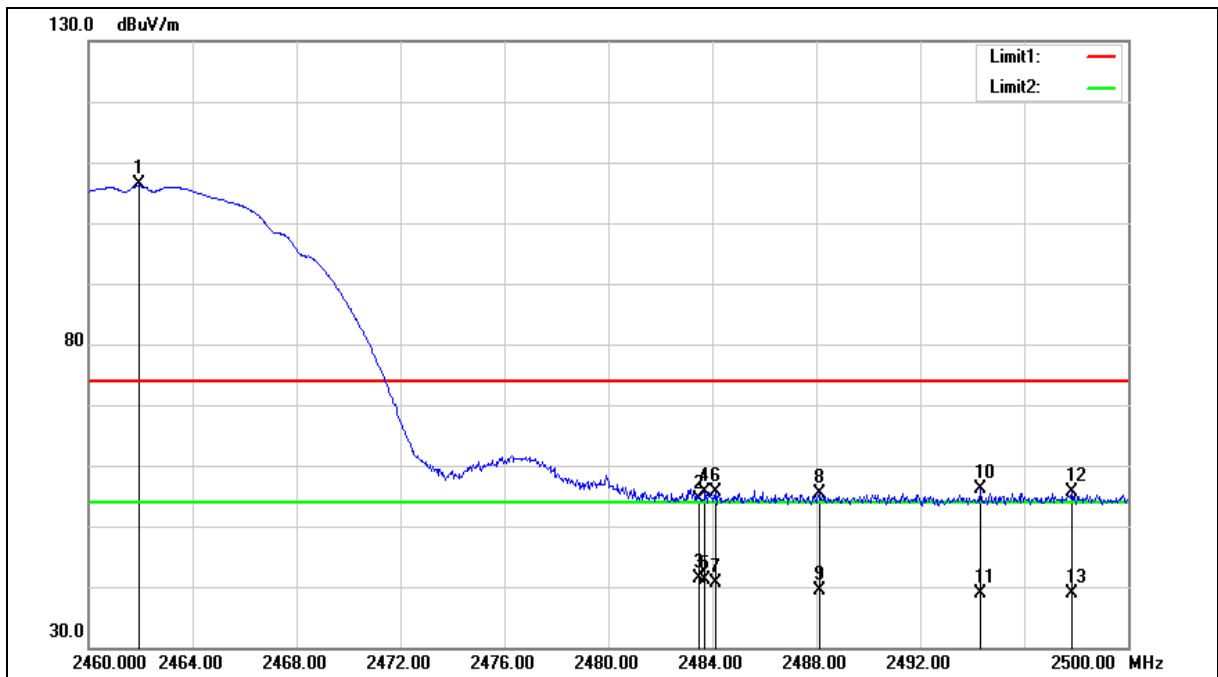
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2461.920	109.28	-3.01	106.27	--	--	peak
2	2483.500	57.33	-2.93	54.40	74.00	-19.60	peak
3	2483.500	44.36	-2.93	41.43	54.00	-12.57	AVG
4	2483.720	58.57	-2.93	55.64	74.00	-18.36	peak
5	2483.720	44.02	-2.93	41.09	54.00	-12.91	AVG
6	2484.120	58.60	-2.93	55.67	74.00	-18.33	peak
7	2484.120	43.54	-2.93	40.61	54.00	-13.39	AVG
8	2488.120	58.28	-2.92	55.36	74.00	-18.64	peak
9	2488.120	42.40	-2.92	39.48	54.00	-14.52	AVG
10	2494.320	58.94	-2.89	56.05	74.00	-17.95	peak
11	2494.320	41.79	-2.89	38.90	54.00	-15.10	AVG
12	2497.840	58.53	-2.88	55.65	74.00	-18.35	peak
13	2497.840	41.83	-2.88	38.95	54.00	-15.05	AVG

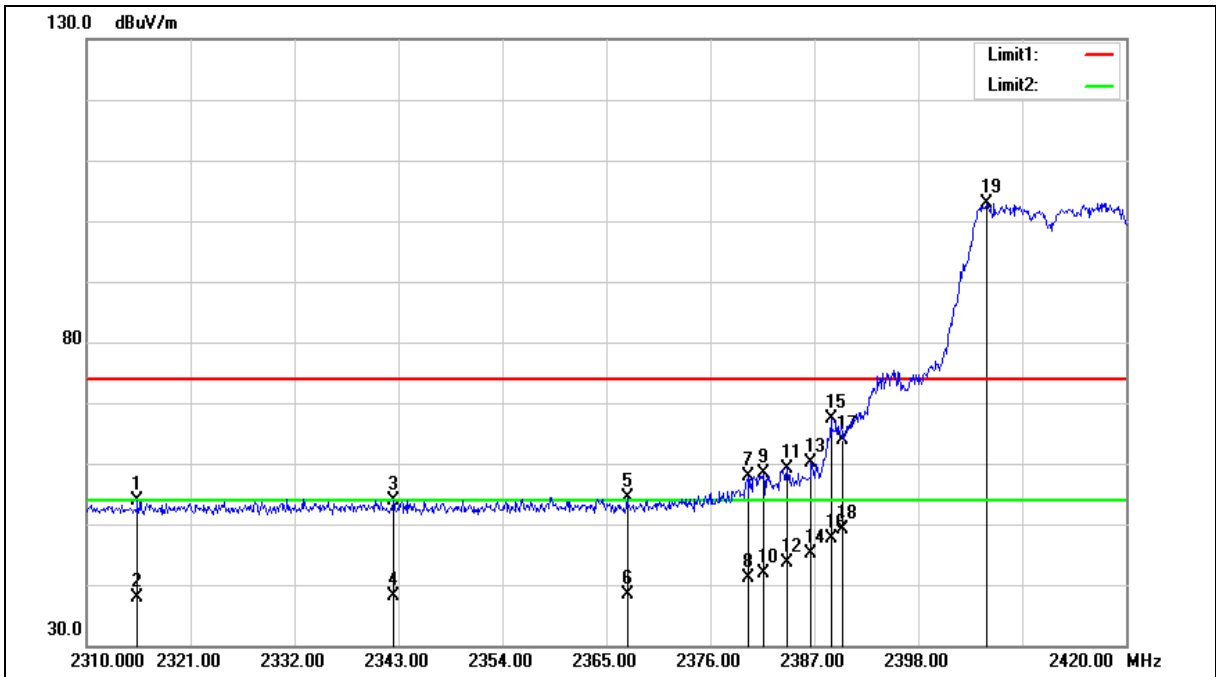
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2315.390	57.53	-3.55	53.98	74.00	-20.02	peak
2	2315.390	41.45	-3.55	37.90	54.00	-16.10	AVG
3	2342.450	57.42	-3.45	53.97	74.00	-20.03	peak
4	2342.450	41.46	-3.45	38.01	54.00	-15.99	AVG
5	2367.200	57.71	-3.37	54.34	74.00	-19.66	peak
6	2367.200	41.84	-3.37	38.47	54.00	-15.53	AVG
7	2379.960	61.15	-3.32	57.83	74.00	-16.17	peak
8	2379.960	44.49	-3.32	41.17	54.00	-12.83	AVG
9	2381.610	61.58	-3.32	58.26	74.00	-15.74	peak
10	2381.610	45.25	-3.32	41.93	54.00	-12.07	AVG
11	2384.140	62.56	-3.31	59.25	74.00	-14.75	peak
12	2384.140	46.95	-3.31	43.64	54.00	-10.36	AVG
13	2386.670	63.32	-3.29	60.03	74.00	-13.97	peak
14	2386.670	48.39	-3.29	45.10	54.00	-8.90	AVG
15	2388.760	70.54	-3.28	67.26	74.00	-6.74	peak
16	2388.760	50.90	-3.28	47.62	54.00	-6.38	AVG
17	2390.000	67.09	-3.28	63.81	74.00	-10.19	peak
18	2390.000	52.30	-3.28	49.02	54.00	-4.98	AVG
19	2405.260	106.21	-3.22	102.99	--	--	peak

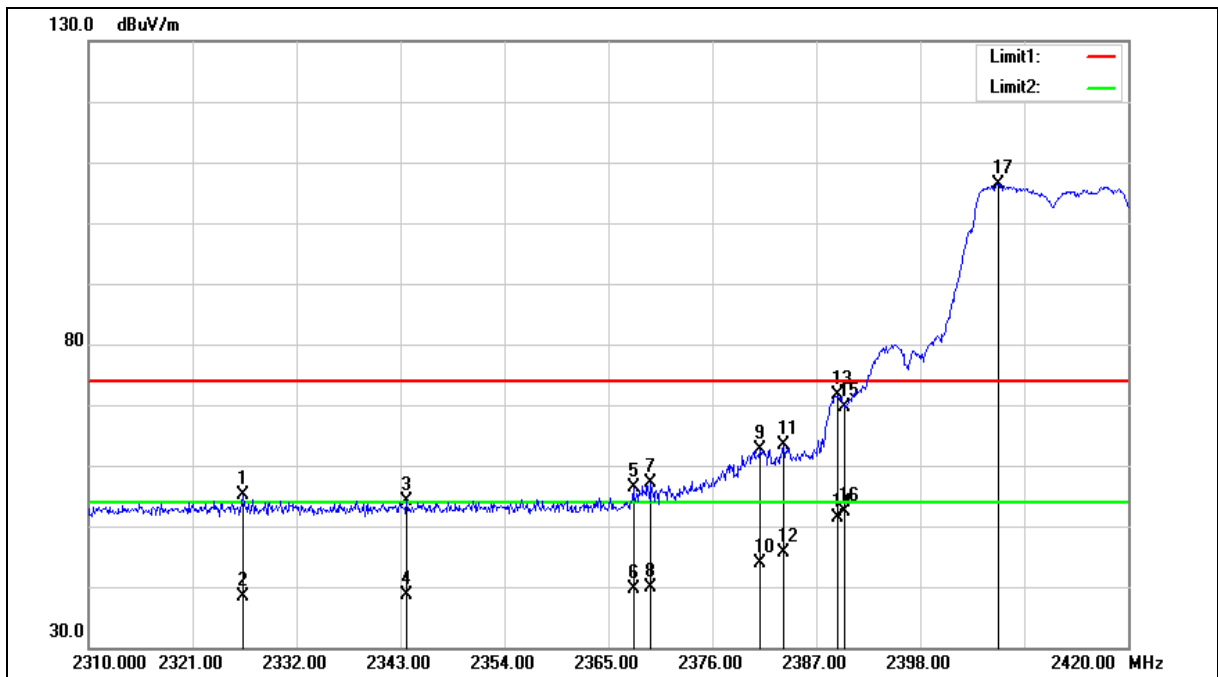
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2326.280	58.64	-3.51	55.13	74.00	-18.87	peak
2	2326.280	42.00	-3.51	38.49	54.00	-15.51	AVG
3	2343.660	57.47	-3.45	54.02	74.00	-19.98	peak
4	2343.660	41.99	-3.45	38.54	54.00	-15.46	AVG
5	2367.640	59.74	-3.37	56.37	74.00	-17.63	peak
6	2367.640	42.92	-3.37	39.55	54.00	-14.45	AVG
7	2369.510	60.58	-3.36	57.22	74.00	-16.78	peak
8	2369.510	43.25	-3.36	39.89	54.00	-14.11	AVG
9	2381.060	65.93	-3.32	62.61	74.00	-11.39	peak
10	2381.060	47.28	-3.32	43.96	54.00	-10.04	AVG
11	2383.480	66.73	-3.31	63.42	74.00	-10.58	peak
12	2383.480	49.04	-3.31	45.73	54.00	-8.27	AVG
13	2389.310	74.87	-3.28	71.59	74.00	-2.41	peak
14	2389.310	54.78	-3.28	51.50	54.00	-2.50	AVG
15	2390.000	72.94	-3.28	69.66	74.00	-4.34	peak
16	2390.000	55.68	-3.28	52.40	54.00	-1.60	AVG
17	2406.250	109.60	-3.22	106.38	--	--	peak

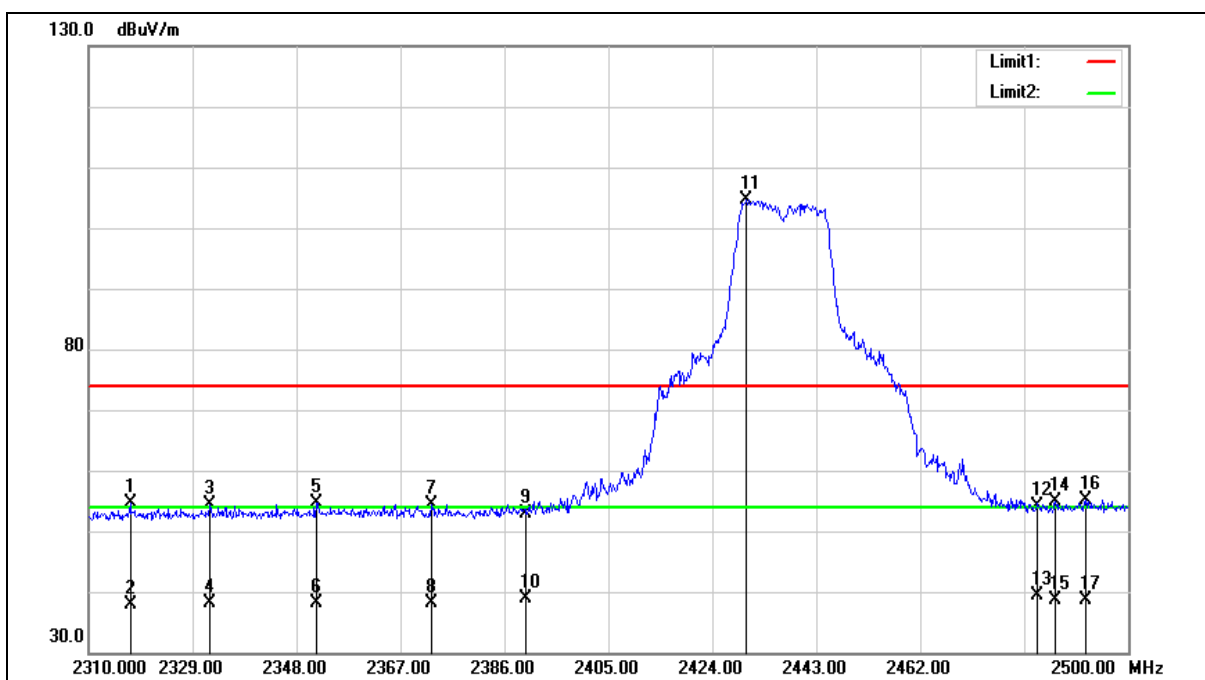
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2317.600	58.11	-3.54	54.57	74.00	-19.43	peak
2	2317.600	41.51	-3.54	37.97	54.00	-16.03	AVG
3	2332.230	57.79	-3.48	54.31	74.00	-19.69	peak
4	2332.230	41.49	-3.48	38.01	54.00	-15.99	AVG
5	2351.610	58.14	-3.42	54.72	74.00	-19.28	peak
6	2351.610	41.51	-3.42	38.09	54.00	-15.91	AVG
7	2372.700	57.75	-3.34	54.41	74.00	-19.59	peak
8	2372.700	41.51	-3.34	38.17	54.00	-15.83	AVG
9	2390.000	56.18	-3.28	52.90	74.00	-21.10	peak
10	2390.000	42.19	-3.28	38.91	54.00	-15.09	AVG
11	2430.270	107.72	-3.13	104.59	--	--	peak
12	2483.500	57.13	-2.93	54.20	74.00	-19.80	peak
13	2483.500	42.32	-2.93	39.39	54.00	-14.61	AVG
14	2486.700	57.73	-2.92	54.81	74.00	-19.19	peak
15	2486.700	41.57	-2.92	38.65	54.00	-15.35	AVG
16	2492.210	58.06	-2.90	55.16	74.00	-18.84	peak
17	2492.210	41.47	-2.90	38.57	54.00	-15.43	AVG

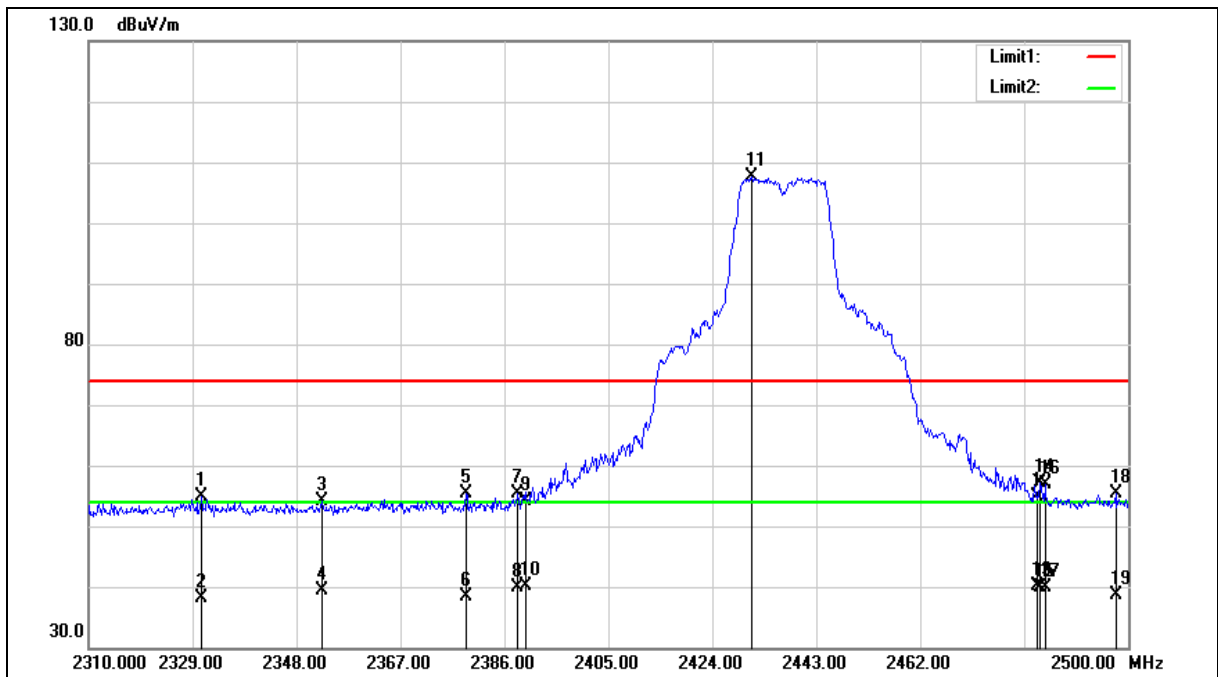
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





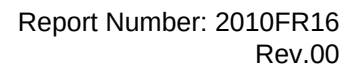
Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2330.710	58.44	-3.50	54.94	74.00	-19.06	peak
2	2330.710	41.51	-3.50	38.01	54.00	-15.99	AVG
3	2352.560	57.64	-3.41	54.23	74.00	-19.77	peak
4	2352.560	42.90	-3.41	39.49	54.00	-14.51	AVG
5	2378.970	58.58	-3.32	55.26	74.00	-18.74	peak
6	2378.970	41.64	-3.32	38.32	54.00	-15.68	AVG
7	2388.470	58.54	-3.28	55.26	74.00	-18.74	peak
8	2388.470	43.05	-3.28	39.77	54.00	-14.23	AVG
9	2390.000	57.40	-3.28	54.12	74.00	-19.88	peak
10	2390.000	43.35	-3.28	40.07	54.00	-13.93	AVG
11	2431.220	110.65	-3.13	107.52	--	--	peak
12	2483.500	57.77	-2.93	54.84	74.00	-19.16	peak
13	2483.500	42.97	-2.93	40.04	54.00	-13.96	AVG
14	2483.850	60.07	-2.93	57.14	74.00	-16.86	peak
15	2483.850	42.90	-2.93	39.97	54.00	-14.03	AVG
16	2484.800	59.75	-2.93	56.82	74.00	-17.18	peak
17	2484.800	42.86	-2.93	39.93	54.00	-14.07	AVG
18	2497.720	58.18	-2.88	55.30	74.00	-18.70	peak
19	2497.720	41.63	-2.88	38.75	54.00	-15.25	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		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2466.960	104.92	-2.99	101.93	--	--	peak
2	2483.500	67.81	-2.93	64.88	74.00	-9.12	peak
3	2483.500	52.01	-2.93	49.08	54.00	-4.92	AVG
4	2483.840	69.01	-2.93	66.08	74.00	-7.92	peak
5	2483.840	51.48	-2.93	48.55	54.00	-5.45	AVG
6	2484.800	66.59	-2.93	63.66	74.00	-10.34	peak
7	2484.800	49.69	-2.93	46.76	54.00	-7.24	AVG
8	2485.720	63.21	-2.92	60.29	74.00	-13.71	peak
9	2485.720	48.18	-2.92	45.26	54.00	-8.74	AVG
10	2486.520	62.43	-2.92	59.51	74.00	-14.49	peak
11	2486.520	47.09	-2.92	44.17	54.00	-9.83	AVG
12	2487.400	61.79	-2.92	58.87	74.00	-15.13	peak
13	2487.400	46.52	-2.92	43.60	54.00	-10.40	AVG
14	2487.960	61.45	-2.92	58.53	74.00	-15.47	peak
15	2487.960	46.12	-2.92	43.20	54.00	-10.80	AVG
16	2494.280	60.39	-2.89	57.50	74.00	-16.50	peak
17	2494.280	43.09	-2.89	40.20	54.00	-13.80	AVG
18	2497.000	58.48	-2.88	55.60	74.00	-18.40	peak
19	2497.000	42.32	-2.88	39.44	54.00	-14.56	AVG

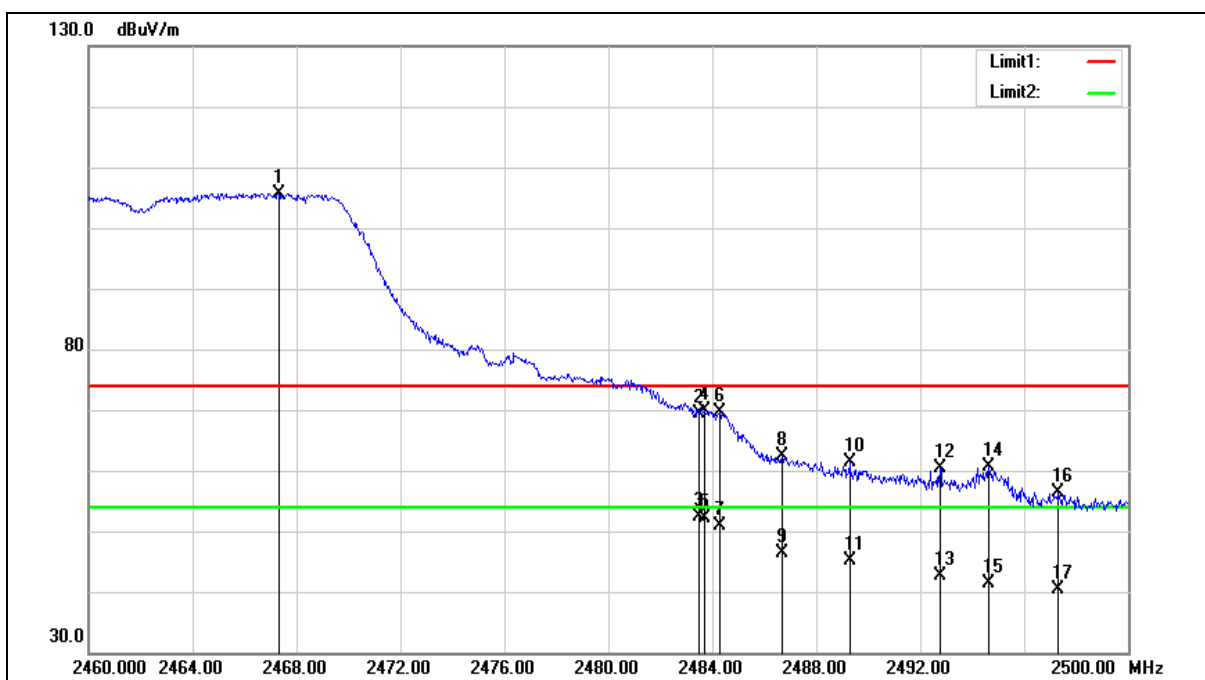
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2467.320	108.70	-2.99	105.71	--	--	peak
2	2483.500	72.40	-2.93	69.47	74.00	-4.53	peak
3	2483.500	55.41	-2.93	52.48	54.00	-1.52	AVG
4	2483.680	72.86	-2.93	69.93	74.00	-4.07	peak
5	2483.680	55.08	-2.93	52.15	54.00	-1.85	AVG
6	2484.280	72.50	-2.93	69.57	74.00	-4.43	peak
7	2484.280	53.78	-2.93	50.85	54.00	-3.15	AVG
8	2486.680	65.22	-2.92	62.30	74.00	-11.70	peak
9	2486.680	49.25	-2.92	46.33	54.00	-7.67	AVG
10	2489.280	64.36	-2.91	61.45	74.00	-12.55	peak
11	2489.280	47.97	-2.91	45.06	54.00	-8.94	AVG
12	2492.760	63.28	-2.90	60.38	74.00	-13.62	peak
13	2492.760	45.43	-2.90	42.53	54.00	-11.47	AVG
14	2494.640	63.41	-2.89	60.52	74.00	-13.48	peak
15	2494.640	44.17	-2.89	41.28	54.00	-12.72	AVG
16	2497.320	59.28	-2.88	56.40	74.00	-17.60	peak
17	2497.320	43.37	-2.88	40.49	54.00	-13.51	AVG

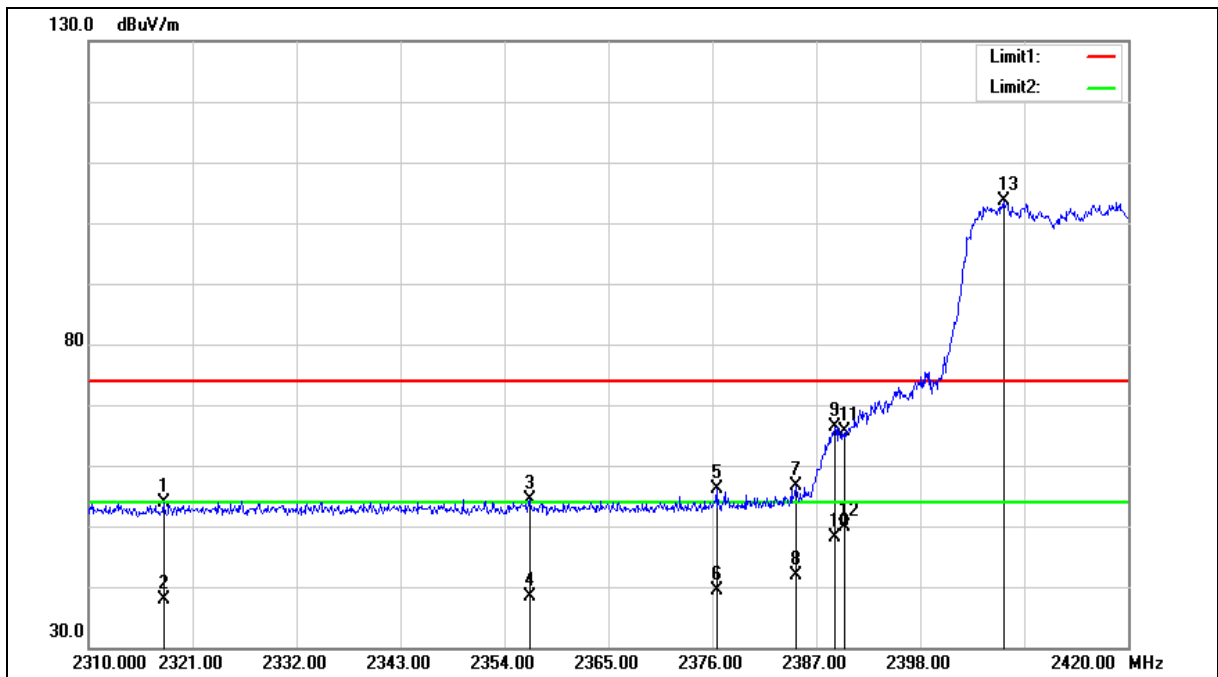
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2317.920	57.31	-3.54	53.77	74.00	-20.23	peak
2	2317.920	41.54	-3.54	38.00	54.00	-16.00	AVG
3	2356.750	57.78	-3.40	54.38	74.00	-19.62	peak
4	2356.750	41.72	-3.40	38.32	54.00	-15.68	AVG
5	2376.440	59.55	-3.33	56.22	74.00	-17.78	peak
6	2376.440	42.61	-3.33	39.28	54.00	-14.72	AVG
7	2384.800	60.04	-3.31	56.73	74.00	-17.27	peak
8	2384.800	45.22	-3.31	41.91	54.00	-12.09	AVG
9	2388.980	69.77	-3.28	66.49	74.00	-7.51	peak
10	2388.980	51.43	-3.28	48.15	54.00	-5.85	AVG
11	2390.000	68.96	-3.28	65.68	74.00	-8.32	peak
12	2390.000	53.24	-3.28	49.96	54.00	-4.04	AVG
13	2406.800	106.91	-3.22	103.69	--	--	peak

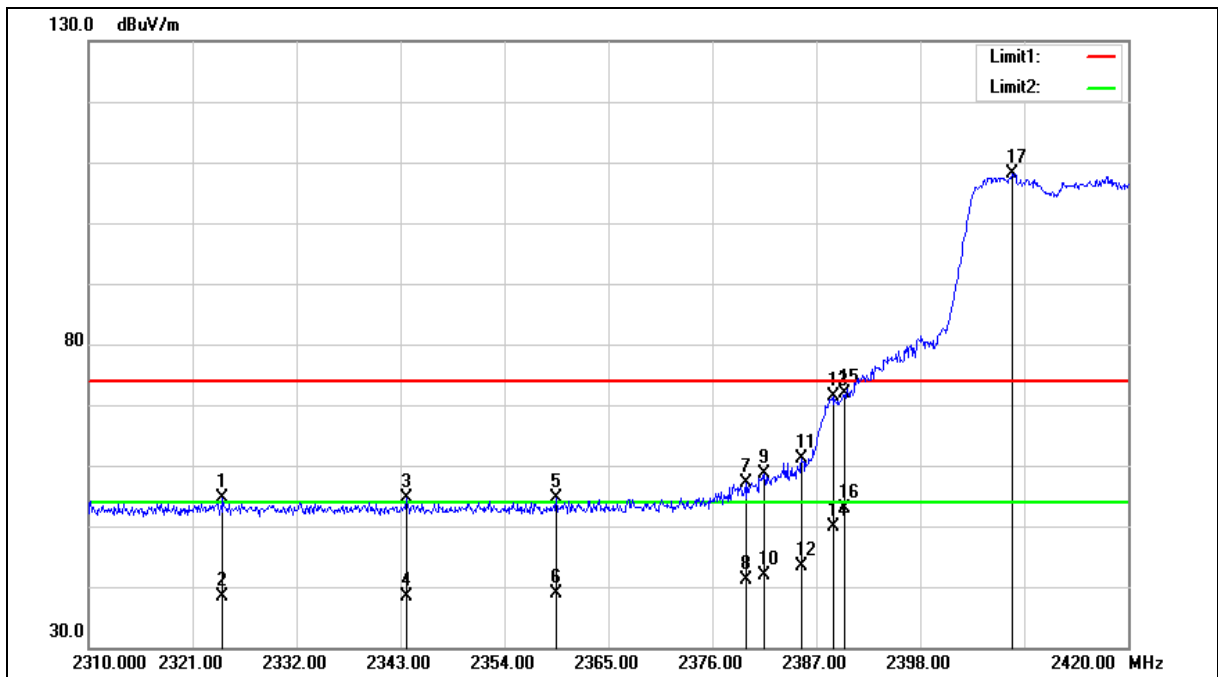
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2324.190	58.09	-3.52	54.57	74.00	-19.43	peak
2	2324.190	41.86	-3.52	38.34	54.00	-15.66	AVG
3	2343.660	57.96	-3.45	54.51	74.00	-19.49	peak
4	2343.660	41.88	-3.45	38.43	54.00	-15.57	AVG
5	2359.500	57.98	-3.39	54.59	74.00	-19.41	peak
6	2359.500	42.16	-3.39	38.77	54.00	-15.23	AVG
7	2379.520	60.37	-3.32	57.05	74.00	-16.95	peak
8	2379.520	44.45	-3.32	41.13	54.00	-12.87	AVG
9	2381.500	62.02	-3.32	58.70	74.00	-15.30	peak
10	2381.500	45.32	-3.32	42.00	54.00	-12.00	AVG
11	2385.460	64.49	-3.29	61.20	74.00	-12.80	peak
12	2385.460	46.60	-3.29	43.31	54.00	-10.69	AVG
13	2388.760	74.72	-3.28	71.44	74.00	-2.56	peak
14	2388.760	53.04	-3.28	49.76	54.00	-4.24	AVG
15	2390.000	75.06	-3.28	71.78	74.00	-2.22	peak
16	2390.000	56.15	-3.28	52.87	54.00	-1.13	AVG
17	2407.680	111.33	-3.22	108.11	--	--	peak

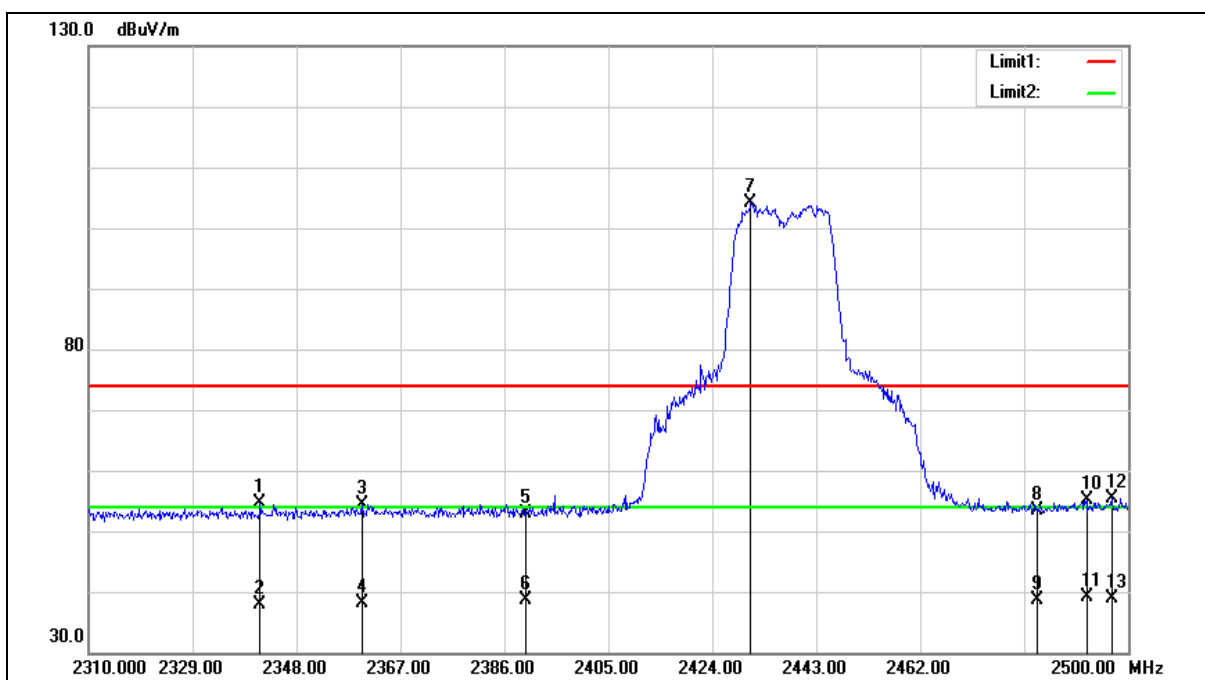
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2341.350	57.98	-3.46	54.52	74.00	-19.48	peak
2	2341.350	41.42	-3.46	37.96	54.00	-16.04	AVG
3	2359.970	57.72	-3.39	54.33	74.00	-19.67	peak
4	2359.970	41.50	-3.39	38.11	54.00	-15.89	AVG
5	2390.000	56.08	-3.28	52.80	74.00	-21.20	peak
6	2390.000	41.91	-3.28	38.63	54.00	-15.37	AVG
7	2431.030	107.25	-3.13	104.12	--	--	peak
8	2483.500	56.37	-2.93	53.44	74.00	-20.56	peak
9	2483.500	41.68	-2.93	38.75	54.00	-15.25	AVG
10	2492.400	58.00	-2.90	55.10	74.00	-18.90	peak
11	2492.400	41.93	-2.90	39.03	54.00	-14.97	AVG
12	2496.960	58.36	-2.88	55.48	74.00	-18.52	peak
13	2496.960	41.85	-2.88	38.97	54.00	-15.03	AVG

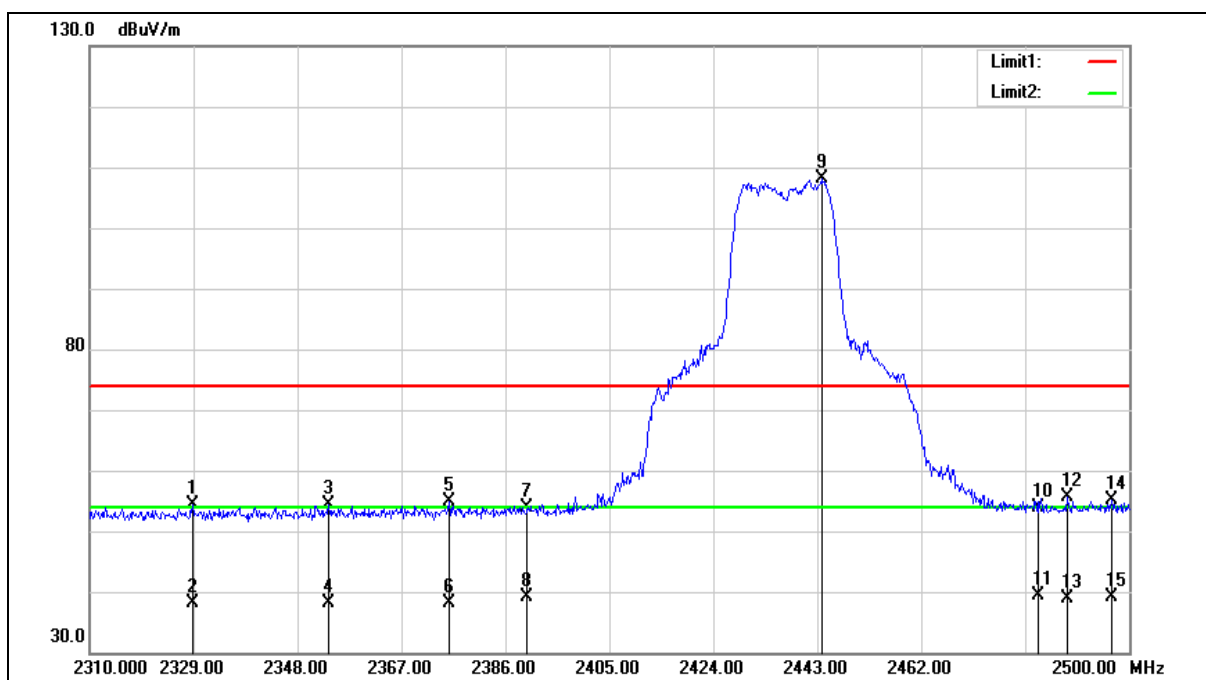
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2328.810	57.83	-3.50	54.33	74.00	-19.67	peak
2	2328.810	41.60	-3.50	38.10	54.00	-15.90	AVG
3	2353.700	57.84	-3.41	54.43	74.00	-19.57	peak
4	2353.700	41.57	-3.41	38.16	54.00	-15.84	AVG
5	2375.740	58.15	-3.33	54.82	74.00	-19.18	peak
6	2375.740	41.56	-3.33	38.23	54.00	-15.77	AVG
7	2390.000	57.14	-3.28	53.86	74.00	-20.14	peak
8	2390.000	42.32	-3.28	39.04	54.00	-14.96	AVG
9	2443.760	111.23	-3.08	108.15	--	--	peak
10	2483.500	56.92	-2.93	53.99	74.00	-20.01	peak
11	2483.500	42.41	-2.93	39.48	54.00	-14.52	AVG
12	2488.600	58.52	-2.91	55.61	74.00	-18.39	peak
13	2488.600	41.75	-2.91	38.84	54.00	-15.16	AVG
14	2496.770	58.03	-2.88	55.15	74.00	-18.85	peak
15	2496.770	41.98	-2.88	39.10	54.00	-14.90	AVG

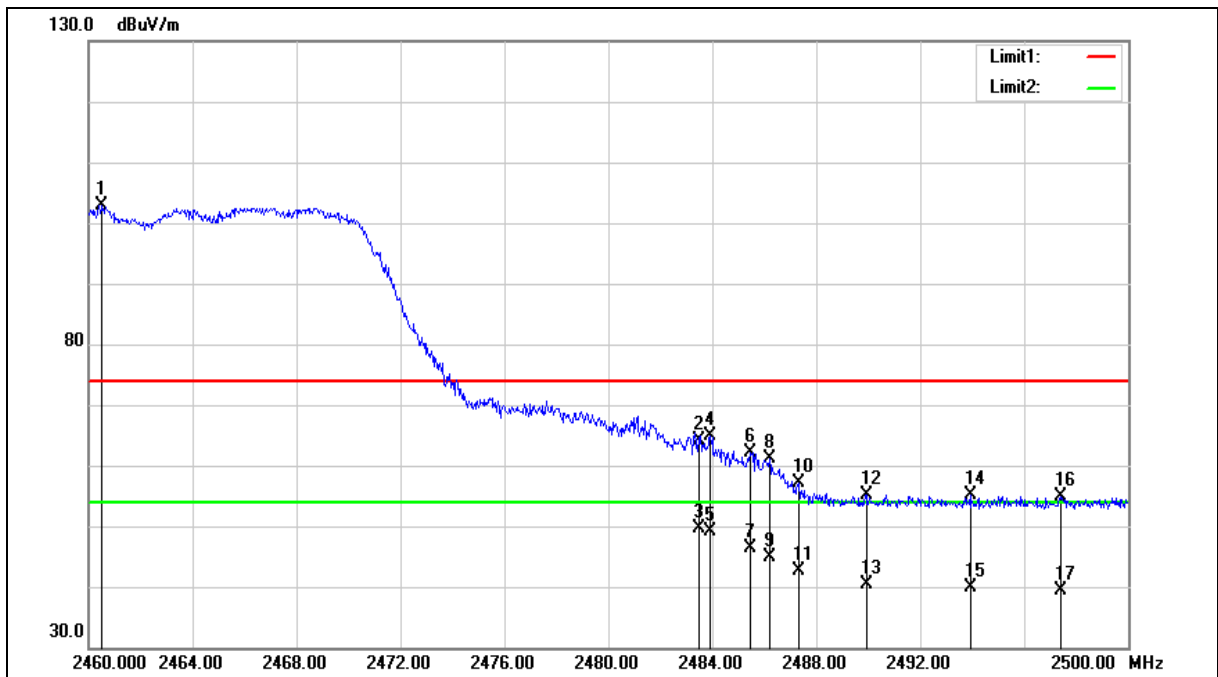
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2460.520	105.85	-3.02	102.83	--	--	peak
2	2483.500	67.04	-2.93	64.11	74.00	-9.89	peak
3	2483.500	52.60	-2.93	49.67	54.00	-4.33	AVG
4	2483.920	67.74	-2.93	64.81	74.00	-9.19	peak
5	2483.920	51.96	-2.93	49.03	54.00	-4.97	AVG
6	2485.440	65.12	-2.92	62.20	74.00	-11.80	peak
7	2485.440	49.33	-2.92	46.41	54.00	-7.59	AVG
8	2486.200	64.04	-2.92	61.12	74.00	-12.88	peak
9	2486.200	47.85	-2.92	44.93	54.00	-9.07	AVG
10	2487.320	60.02	-2.92	57.10	74.00	-16.90	peak
11	2487.320	45.54	-2.92	42.62	54.00	-11.38	AVG
12	2489.920	58.16	-2.91	55.25	74.00	-18.75	peak
13	2489.920	43.27	-2.91	40.36	54.00	-13.64	AVG
14	2493.920	57.93	-2.89	55.04	74.00	-18.96	peak
15	2493.920	42.71	-2.89	39.82	54.00	-14.18	AVG
16	2497.400	57.69	-2.88	54.81	74.00	-19.19	peak
17	2497.400	42.37	-2.88	39.49	54.00	-14.51	AVG

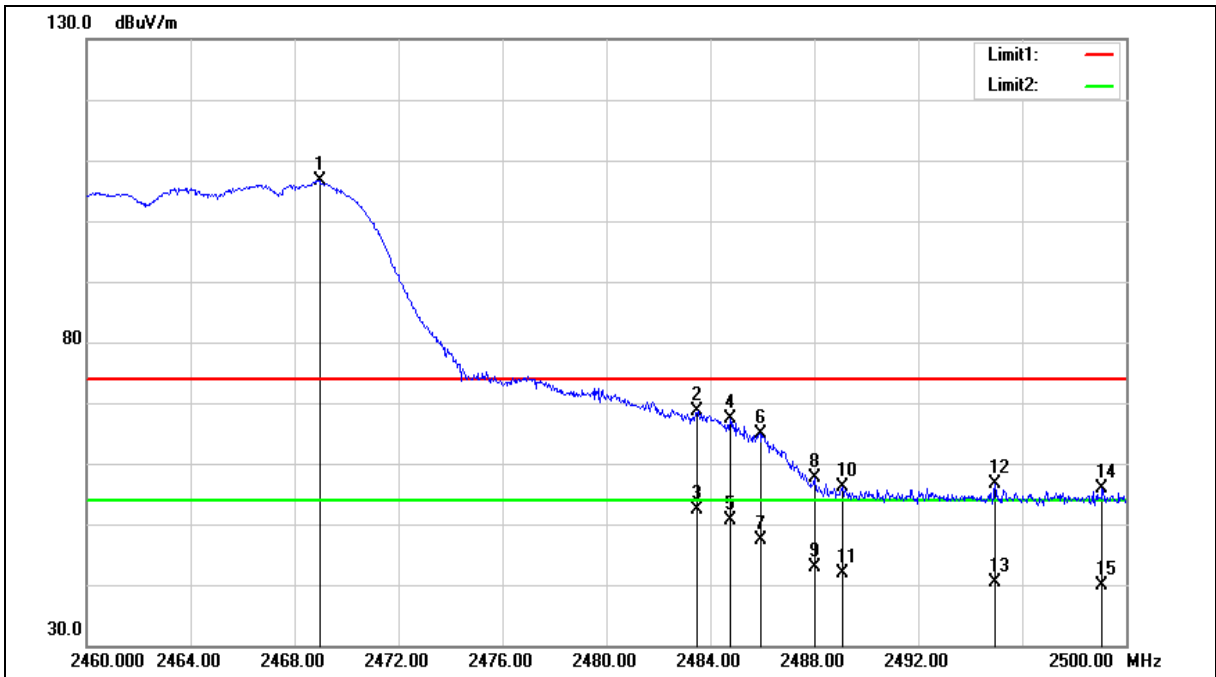
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2468.960	109.65	-2.98	106.67	--	--	peak
2	2483.500	71.51	-2.93	68.58	74.00	-5.42	peak
3	2483.500	55.38	-2.93	52.45	54.00	-1.55	AVG
4	2484.760	70.35	-2.93	67.42	74.00	-6.58	peak
5	2484.760	53.52	-2.93	50.59	54.00	-3.41	AVG
6	2485.920	67.89	-2.92	64.97	74.00	-9.03	peak
7	2485.920	50.22	-2.92	47.30	54.00	-6.70	AVG
8	2488.040	60.46	-2.92	57.54	74.00	-16.46	peak
9	2488.040	45.69	-2.92	42.77	54.00	-11.23	AVG
10	2489.080	58.92	-2.91	56.01	74.00	-17.99	peak
11	2489.080	44.69	-2.91	41.78	54.00	-12.22	AVG
12	2494.960	59.48	-2.89	56.59	74.00	-17.41	peak
13	2494.960	43.16	-2.89	40.27	54.00	-13.73	AVG
14	2499.080	58.70	-2.87	55.83	74.00	-18.17	peak
15	2499.080	42.66	-2.87	39.79	54.00	-14.21	AVG

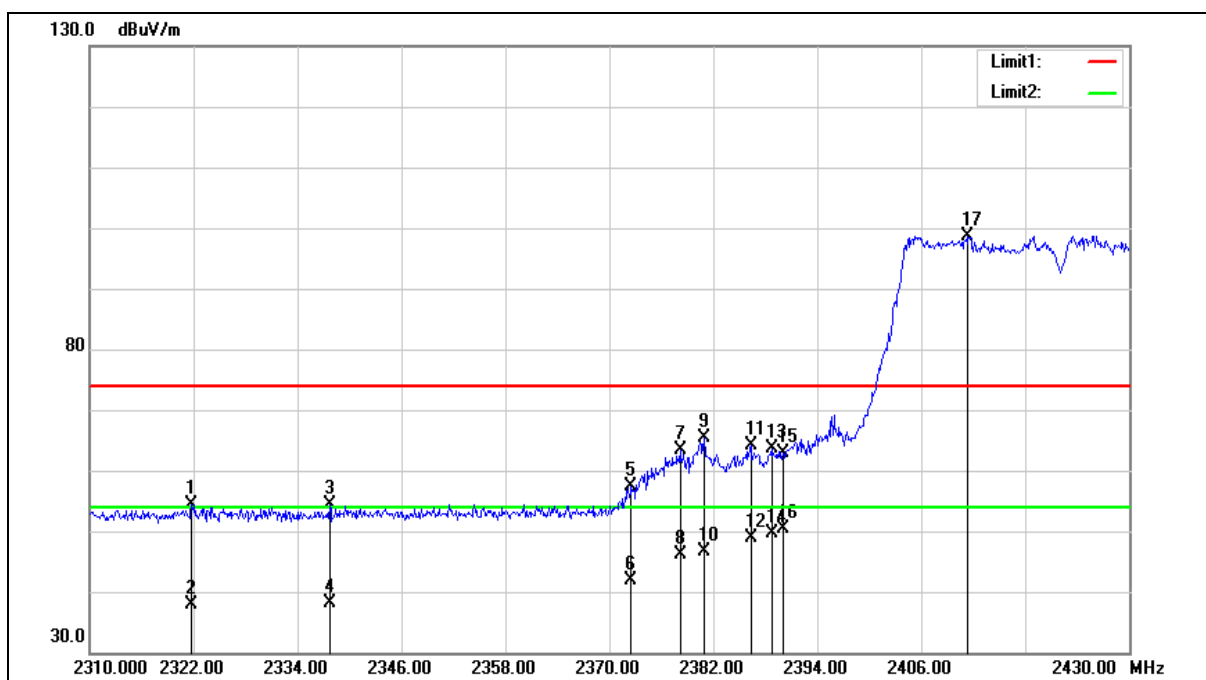
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz	Temp.(°C)/Hum.(%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	2321.760	57.84	-3.52	54.32	74.00	-19.68	peak
2	2321.760	41.42	-3.52	37.90	54.00	-16.10	AVG
3	2337.720	57.74	-3.47	54.27	74.00	-19.73	peak
4	2337.720	41.55	-3.47	38.08	54.00	-15.92	AVG
5	2372.520	60.60	-3.34	57.26	74.00	-16.74	peak
6	2372.520	45.11	-3.34	41.77	54.00	-12.23	AVG
7	2378.160	66.59	-3.33	63.26	74.00	-10.74	peak
8	2378.160	49.36	-3.33	46.03	54.00	-7.97	AVG
9	2380.920	68.65	-3.32	65.33	74.00	-8.67	peak
10	2380.920	49.99	-3.32	46.67	54.00	-7.33	AVG
11	2386.320	67.45	-3.29	64.16	74.00	-9.84	peak
12	2386.320	52.08	-3.29	48.79	54.00	-5.21	AVG
13	2388.720	66.81	-3.28	63.53	74.00	-10.47	peak
14	2388.720	53.01	-3.28	49.73	54.00	-4.27	AVG
15	2390.000	66.09	-3.28	62.81	74.00	-11.19	peak
16	2390.000	53.75	-3.28	50.47	54.00	-3.53	AVG
17	2411.400	101.95	-3.21	98.74	--	--	peak

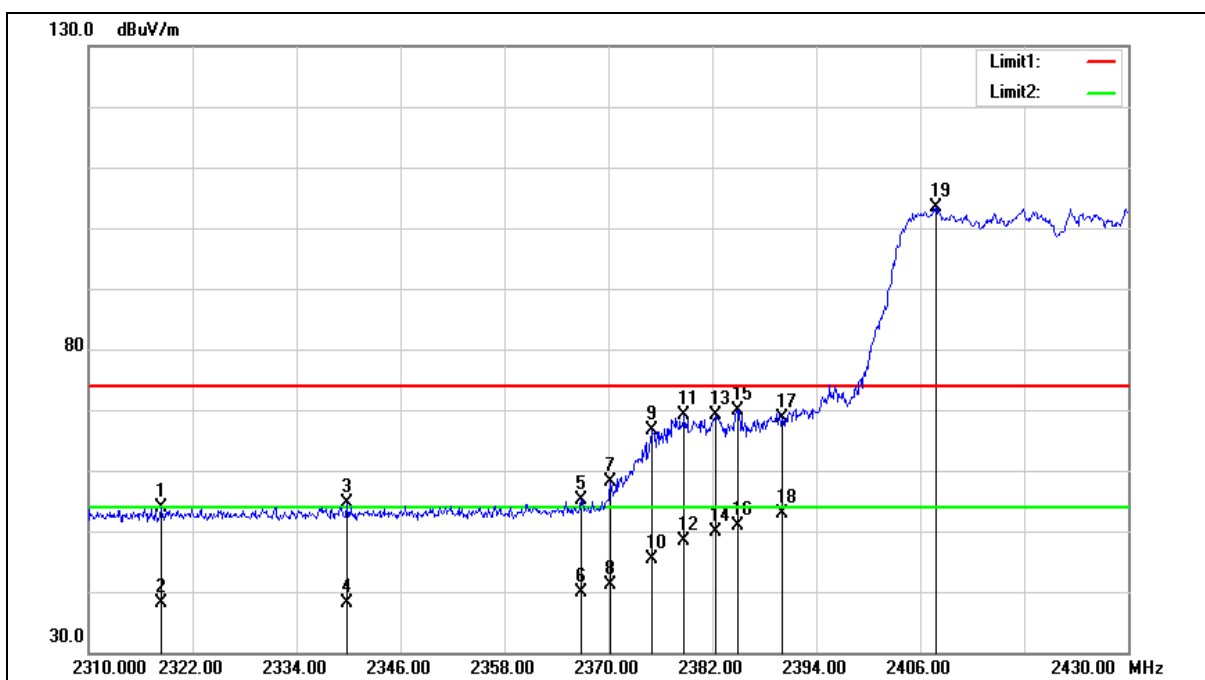
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz	Temp.(°C)/Hum.(%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	2318.400	57.42	-3.53	53.89	74.00	-20.11	peak
2	2318.400	41.56	-3.53	38.03	54.00	-15.97	AVG
3	2339.760	58.00	-3.46	54.54	74.00	-19.46	peak
4	2339.760	41.66	-3.46	38.20	54.00	-15.80	AVG
5	2366.880	58.51	-3.37	55.14	74.00	-18.86	peak
6	2366.880	43.21	-3.37	39.84	54.00	-14.16	AVG
7	2370.240	61.38	-3.36	58.02	74.00	-15.98	peak
8	2370.240	44.49	-3.36	41.13	54.00	-12.87	AVG
9	2375.040	69.99	-3.33	66.66	74.00	-7.34	peak
10	2375.040	48.69	-3.33	45.36	54.00	-8.64	AVG
11	2378.760	72.44	-3.32	69.12	74.00	-4.88	peak
12	2378.760	51.61	-3.32	48.29	54.00	-5.71	AVG
13	2382.360	72.47	-3.31	69.16	74.00	-4.84	peak
14	2382.360	53.29	-3.31	49.98	54.00	-4.02	AVG
15	2384.880	73.18	-3.31	69.87	74.00	-4.13	peak
16	2384.880	54.13	-3.31	50.82	54.00	-3.18	AVG
17	2390.000	71.96	-3.28	68.68	74.00	-5.32	peak
18	2390.000	56.11	-3.28	52.83	54.00	-1.17	AVG
19	2407.800	106.69	-3.22	103.47	--	--	peak

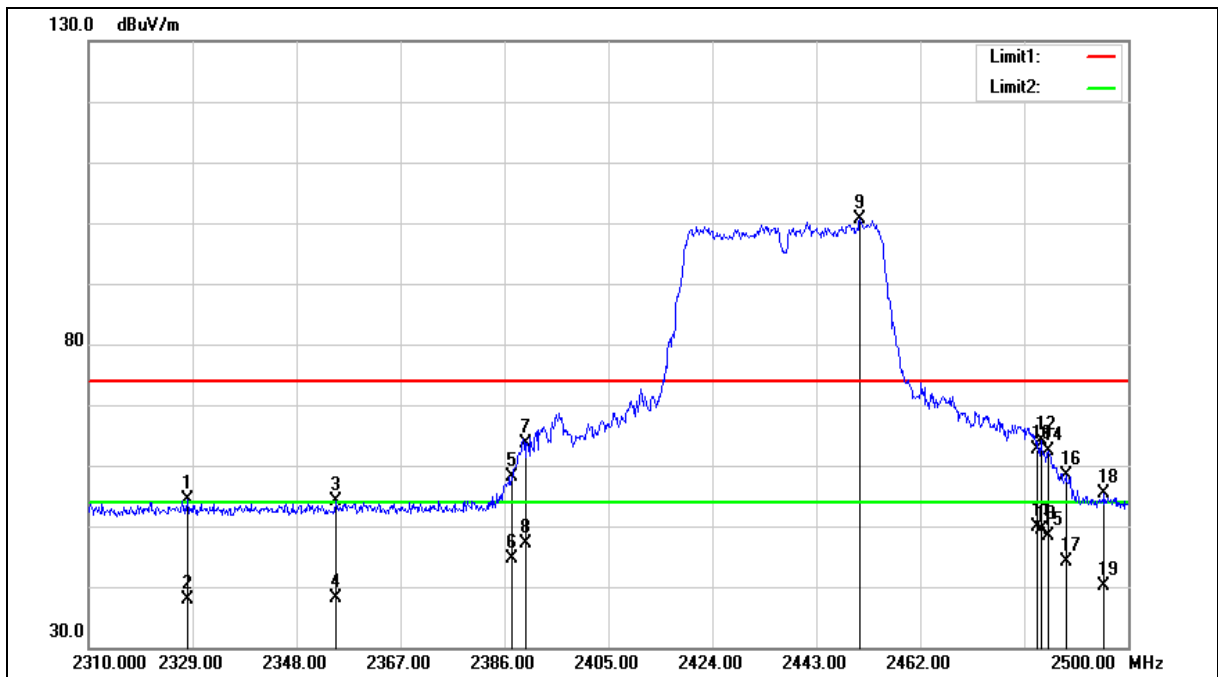
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2328.050	57.95	-3.51	54.44	74.00	-19.56	peak
2	2328.050	41.51	-3.51	38.00	54.00	-16.00	AVG
3	2355.220	57.42	-3.40	54.02	74.00	-19.98	peak
4	2355.220	41.62	-3.40	38.22	54.00	-15.78	AVG
5	2387.330	61.51	-3.29	58.22	74.00	-15.78	peak
6	2387.330	47.98	-3.29	44.69	54.00	-9.31	AVG
7	2390.000	66.89	-3.28	63.61	74.00	-10.39	peak
8	2390.000	50.52	-3.28	47.24	54.00	-6.76	AVG
9	2450.980	103.74	-3.06	100.68	--	--	peak
10	2483.500	65.58	-2.93	62.65	74.00	-11.35	peak
11	2483.500	52.76	-2.93	49.83	54.00	-4.17	AVG
12	2484.040	66.99	-2.93	64.06	74.00	-9.94	peak
13	2484.040	52.26	-2.93	49.33	54.00	-4.67	AVG
14	2485.370	65.18	-2.92	62.26	74.00	-11.74	peak
15	2485.370	51.37	-2.92	48.45	54.00	-5.55	AVG
16	2488.600	61.31	-2.91	58.40	74.00	-15.60	peak
17	2488.600	47.10	-2.91	44.19	54.00	-9.81	AVG
18	2495.630	58.14	-2.88	55.26	74.00	-18.74	peak
19	2495.630	42.99	-2.88	40.11	54.00	-13.89	AVG

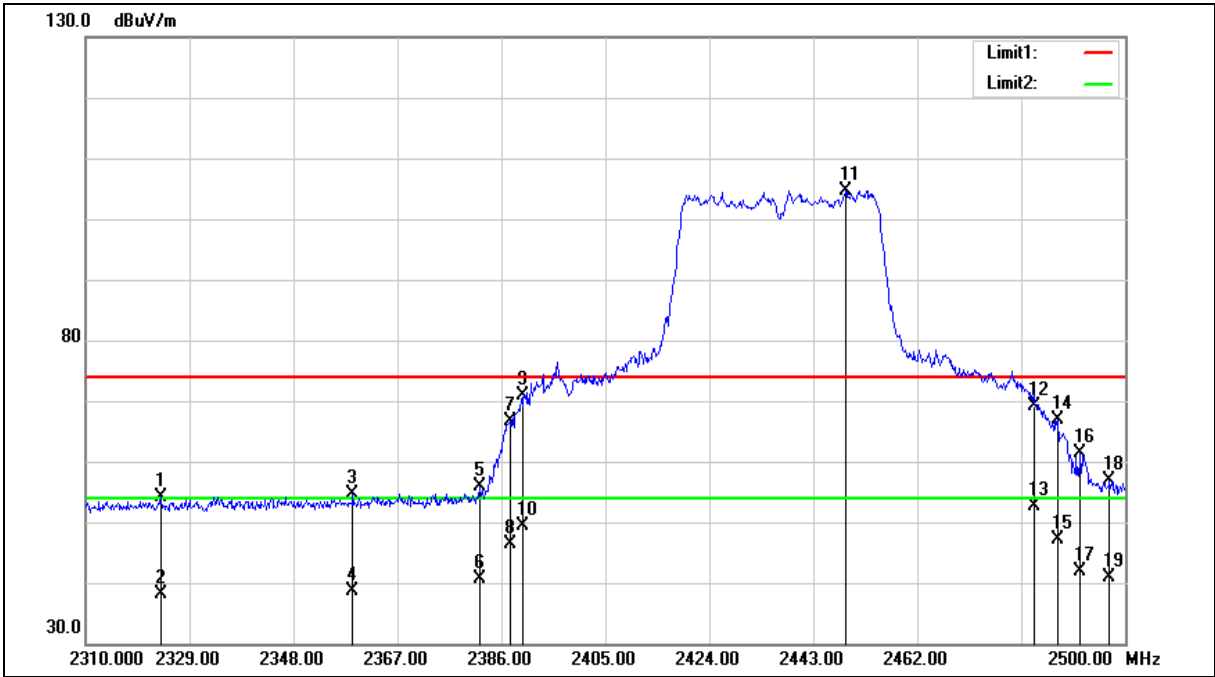
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2323.680	57.69	-3.52	54.17	74.00	-19.83	peak
2	2323.680	41.67	-3.52	38.15	54.00	-15.85	AVG
3	2358.830	58.03	-3.39	54.64	74.00	-19.36	peak
4	2358.830	42.06	-3.39	38.67	54.00	-15.33	AVG
5	2382.010	59.25	-3.31	55.94	74.00	-18.06	peak
6	2382.010	43.89	-3.31	40.58	54.00	-13.42	AVG
7	2387.520	70.03	-3.29	66.74	74.00	-7.26	peak
8	2387.520	49.68	-3.29	46.39	54.00	-7.61	AVG
9	2390.000	74.15	-3.28	70.87	74.00	-3.13	peak
10	2390.000	52.63	-3.28	49.35	54.00	-4.65	AVG
11	2448.890	107.79	-3.06	104.73	--	--	peak
12	2483.500	72.00	-2.93	69.07	74.00	-4.93	peak
13	2483.500	55.65	-2.93	52.72	54.00	-1.28	AVG
14	2487.650	69.69	-2.92	66.77	74.00	-7.23	peak
15	2487.650	50.05	-2.92	47.13	54.00	-6.87	AVG
16	2491.830	64.24	-2.90	61.34	74.00	-12.66	peak
17	2491.830	44.88	-2.90	41.98	54.00	-12.02	AVG
18	2497.150	59.64	-2.88	56.76	74.00	-17.24	peak
19	2497.150	43.85	-2.88	40.97	54.00	-13.03	AVG

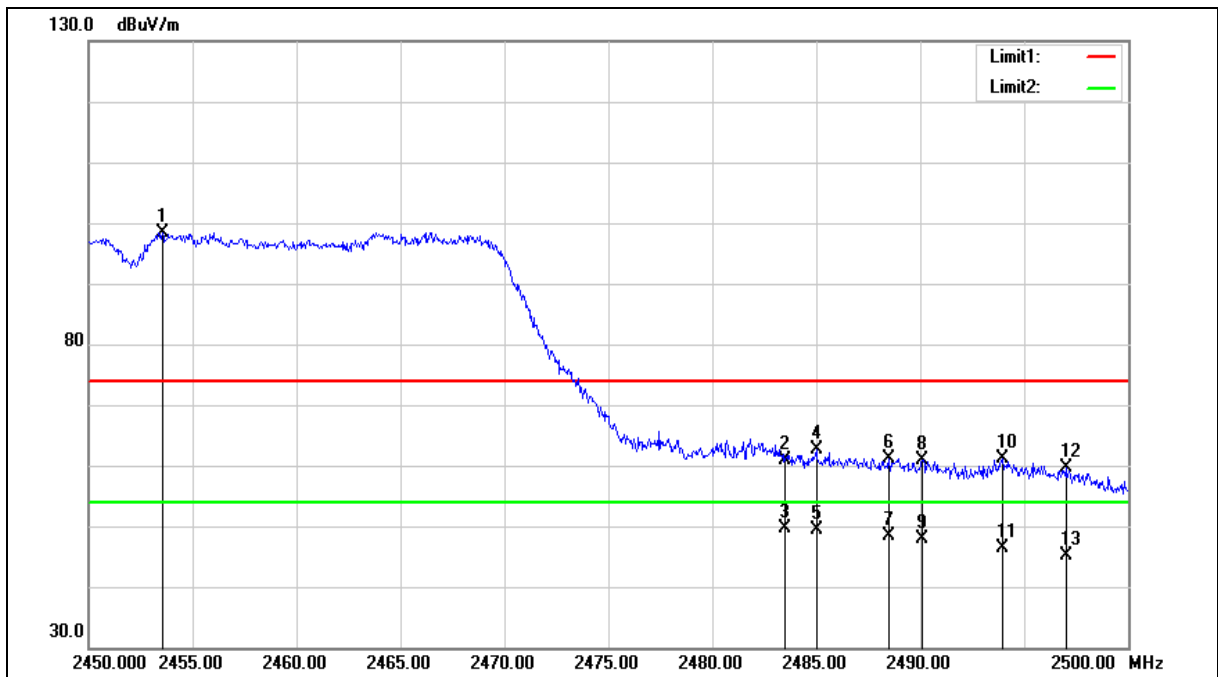
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz	Temp.(°C)/Hum.(%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	2453.550	101.51	-3.04	98.47	--	--	peak
2	2483.500	63.87	-2.93	60.94	74.00	-13.06	peak
3	2483.500	52.49	-2.93	49.56	54.00	-4.44	AVG
4	2485.000	65.51	-2.93	62.58	74.00	-11.42	peak
5	2485.000	52.31	-2.93	49.38	54.00	-4.62	AVG
6	2488.500	64.10	-2.91	61.19	74.00	-12.81	peak
7	2488.500	51.29	-2.91	48.38	54.00	-5.62	AVG
8	2490.100	63.88	-2.91	60.97	74.00	-13.03	peak
9	2490.100	50.72	-2.91	47.81	54.00	-6.19	AVG
10	2493.950	64.06	-2.89	61.17	74.00	-12.83	peak
11	2493.950	49.25	-2.89	46.36	54.00	-7.64	AVG
12	2497.000	62.45	-2.88	59.57	74.00	-14.43	peak
13	2497.000	48.12	-2.88	45.24	54.00	-8.76	AVG

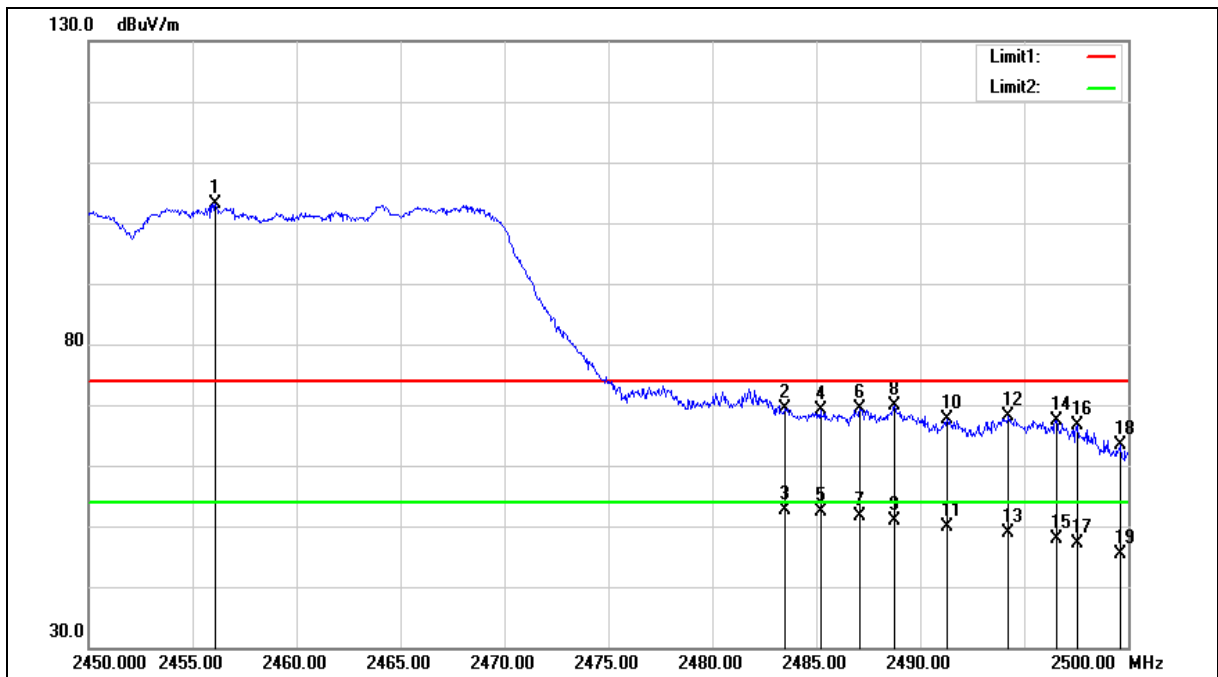
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz	Temp.(°C)/Hum.(%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	2456.100	106.20	-3.03	103.17	--	--	peak
2	2483.500	72.25	-2.93	69.32	74.00	-4.68	peak
3	2483.500	55.62	-2.93	52.69	54.00	-1.31	AVG
4	2485.200	72.00	-2.92	69.08	74.00	-4.92	peak
5	2485.200	55.20	-2.92	52.28	54.00	-1.72	AVG
6	2487.100	72.26	-2.92	69.34	74.00	-4.66	peak
7	2487.100	54.63	-2.92	51.71	54.00	-2.29	AVG
8	2488.750	72.90	-2.91	69.99	74.00	-4.01	peak
9	2488.750	53.78	-2.91	50.87	54.00	-3.13	AVG
10	2491.300	70.43	-2.91	67.52	74.00	-6.48	peak
11	2491.300	52.71	-2.91	49.80	54.00	-4.20	AVG
12	2494.250	71.12	-2.89	68.23	74.00	-5.77	peak
13	2494.250	51.67	-2.89	48.78	54.00	-5.22	AVG
14	2496.550	70.28	-2.88	67.40	74.00	-6.60	peak
15	2496.550	50.85	-2.88	47.97	54.00	-6.03	AVG
16	2497.550	69.58	-2.88	66.70	74.00	-7.30	peak
17	2497.550	50.02	-2.88	47.14	54.00	-6.86	AVG
18	2499.650	66.17	-2.87	63.30	74.00	-10.70	peak
19	2499.650	48.21	-2.87	45.34	54.00	-8.66	AVG

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

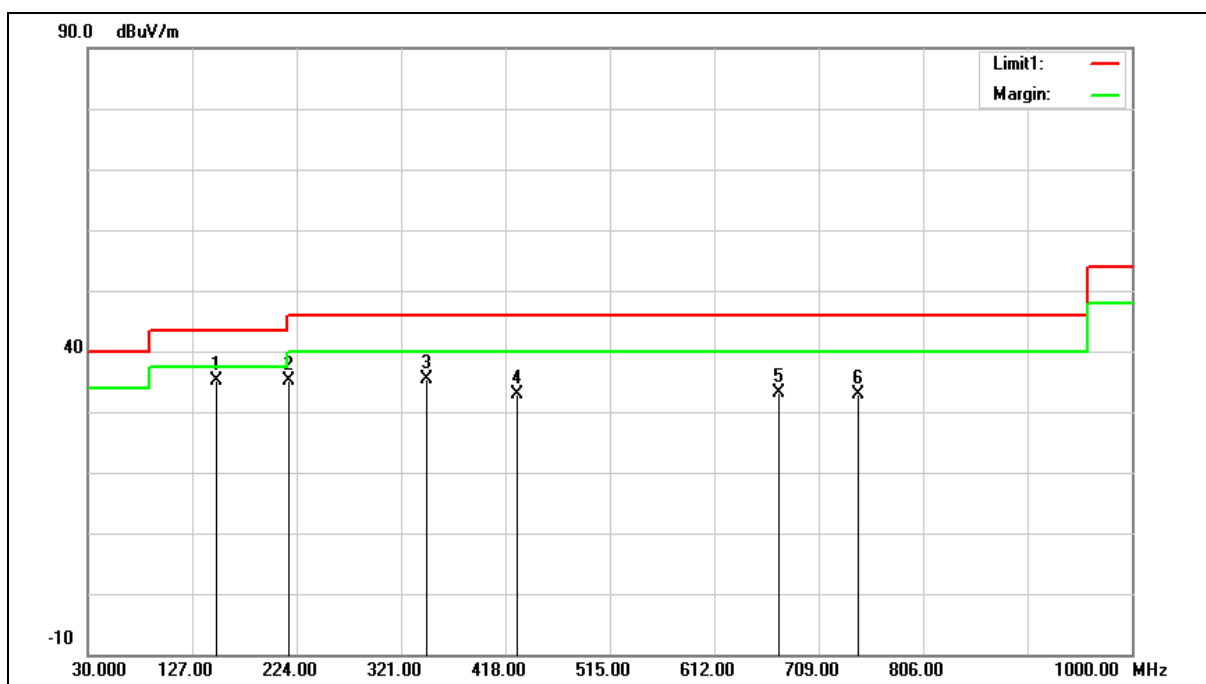
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Beamforming on

Below 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3m
Frequency:	2412 MHz		
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	149.3100	42.74	-7.73	35.01	43.50	-8.49	QP
2	216.2400	44.82	-9.74	35.08	46.00	-10.92	QP
3	345.2500	41.10	-5.75	35.35	46.00	-10.65	QP
4	428.6700	37.31	-4.32	32.99	46.00	-13.01	QP
5	672.1400	33.63	-0.47	33.16	46.00	-12.84	QP
6	745.8600	32.30	0.69	32.99	46.00	-13.01	QP

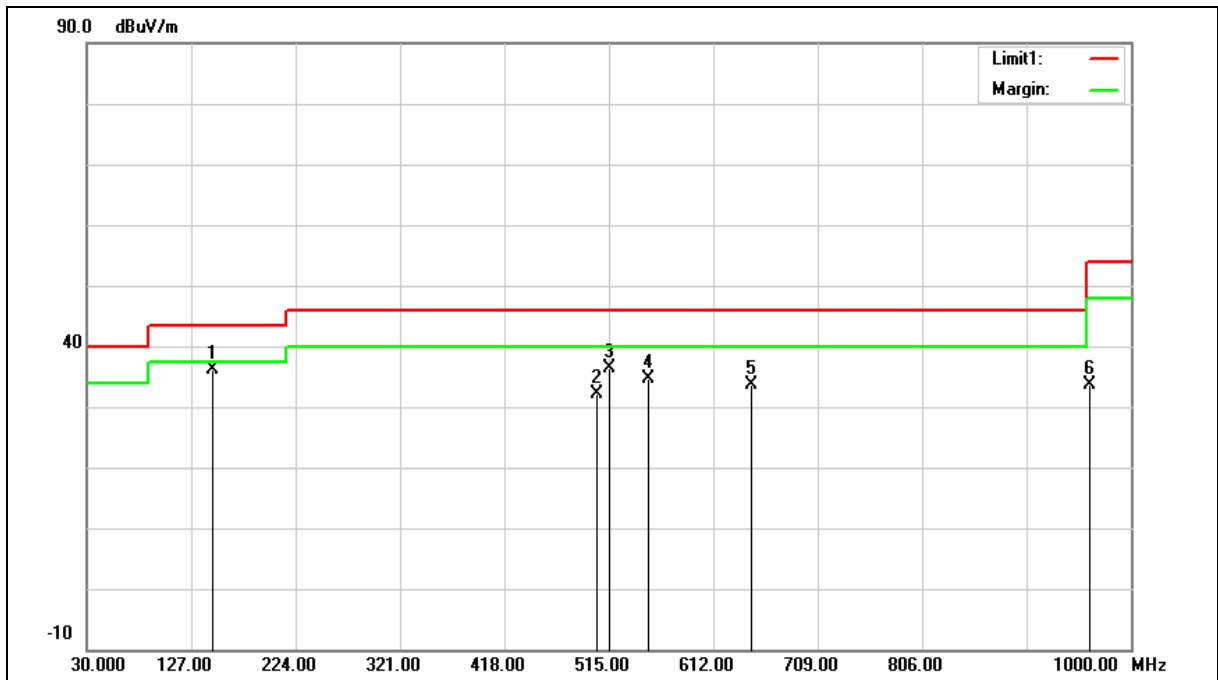
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 35.01 = -7.73 + 42.74.

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
Frequency:	2412 MHz		
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	147.3700	43.98	-7.79	36.19	43.50	-7.31	QP
2	504.3300	35.80	-3.60	32.20	46.00	-13.80	QP
3	515.0000	39.80	-3.35	36.45	46.00	-9.55	QP
4	551.8600	37.22	-2.48	34.74	46.00	-11.26	QP
5	647.8900	34.46	-0.81	33.65	46.00	-12.35	QP
6	962.1700	29.77	3.97	33.74	54.00	-20.26	QP

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

Example: 36.19 = -7.79 + 43.98.

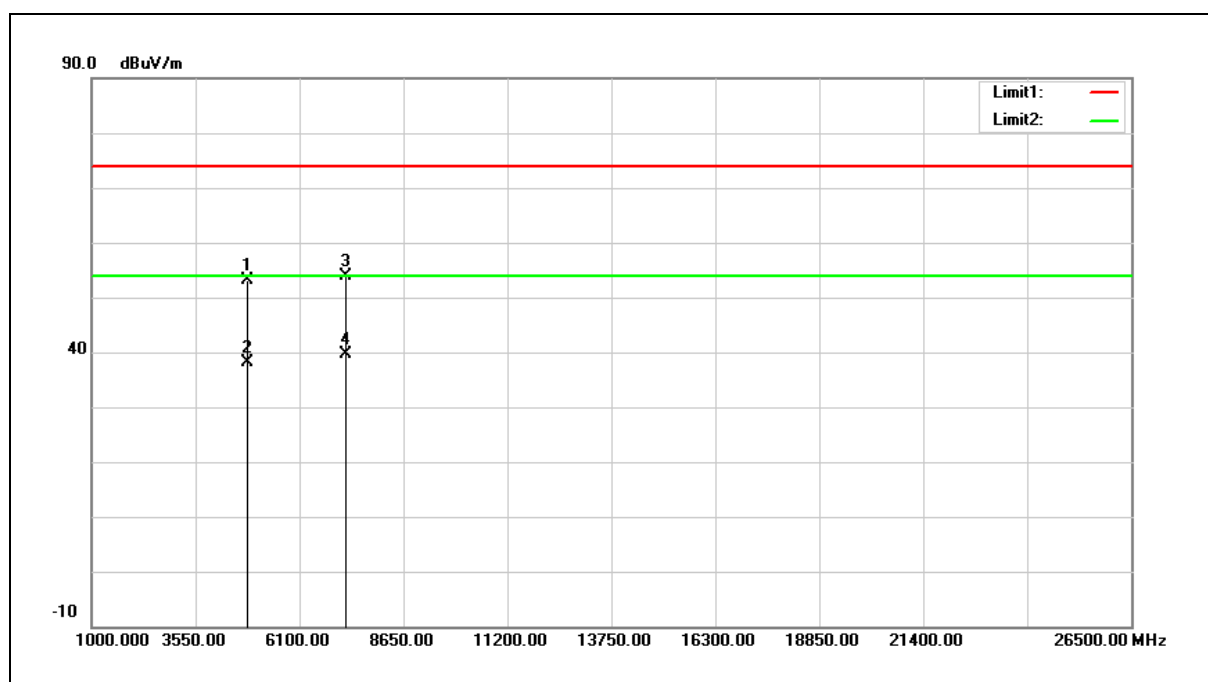
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2412 MHz		
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	50.26	2.84	53.10	74.00	-20.90	peak
2	4824.000	35.20	2.84	38.04	54.00	-15.96	AVG
3	7236.000	45.04	8.91	53.95	74.00	-20.05	peak
4	7236.000	30.67	8.91	39.58	54.00	-14.42	AVG

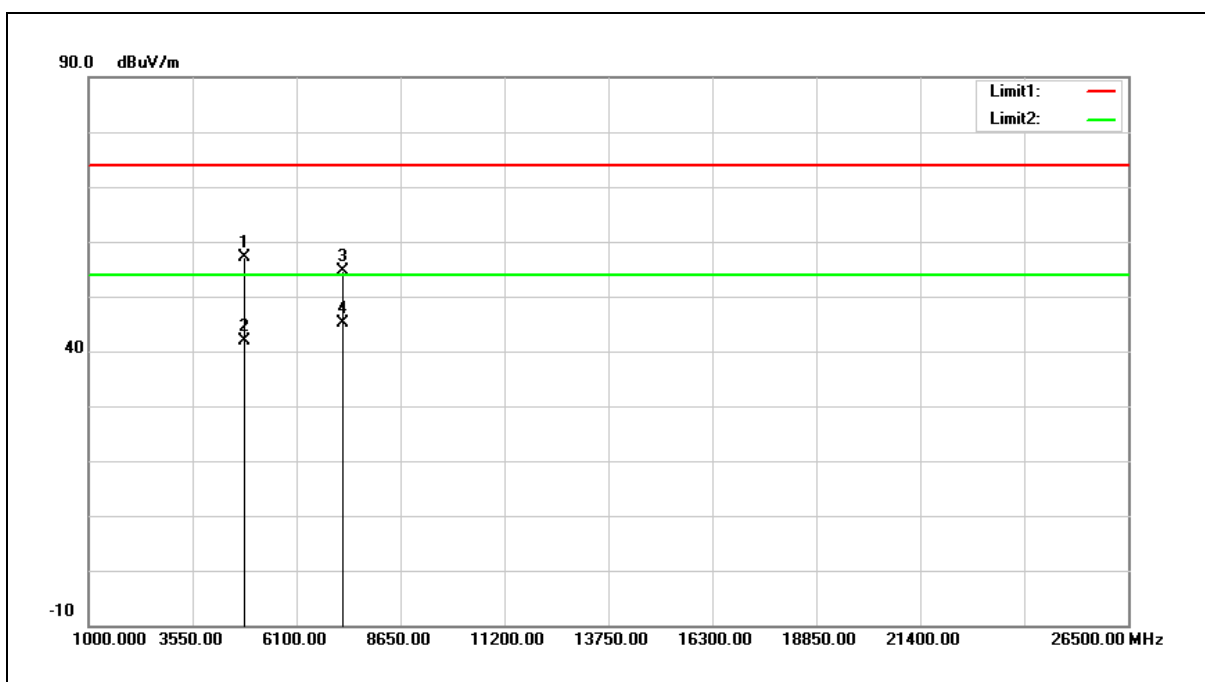
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $53.10 = 2.84 + 50.26$.

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		
Frequency:	2412 MHz		
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	54.36	2.84	57.20	74.00	-16.80	peak
2	4824.000	39.11	2.84	41.95	54.00	-12.05	AVG
3	7236.000	45.76	8.91	54.67	74.00	-19.33	peak
4	7236.000	36.12	8.91	45.03	54.00	-8.97	AVG

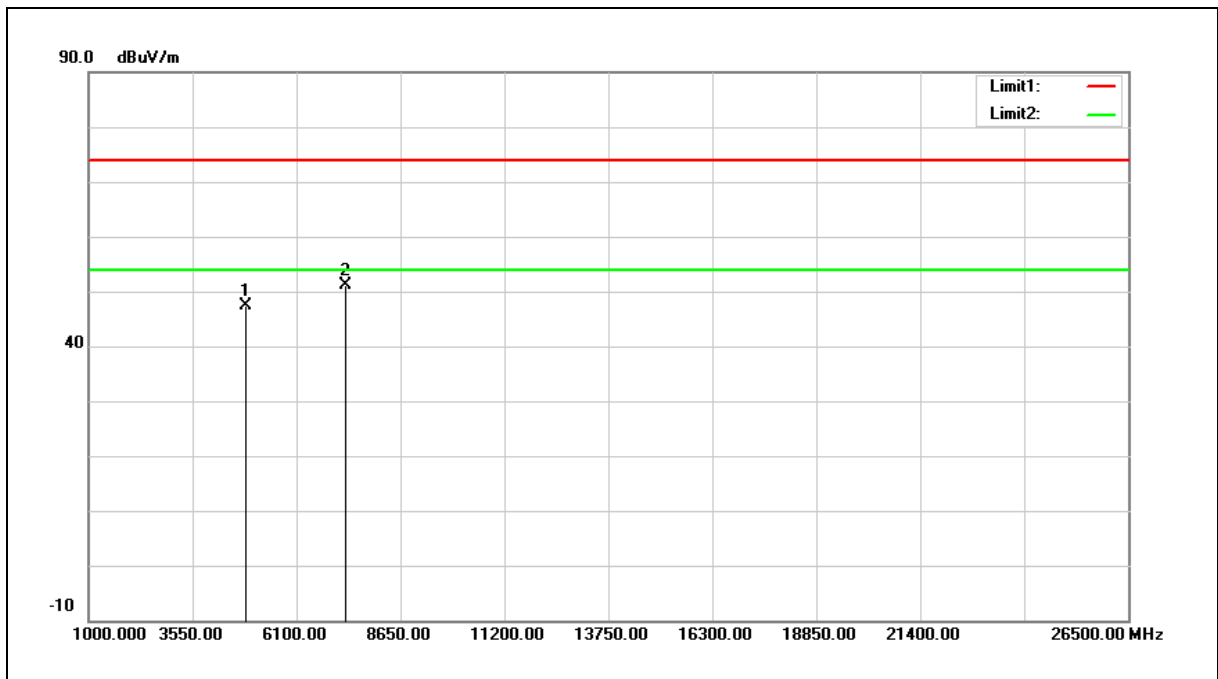
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $57.20 = 2.84 + 54.36$.

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



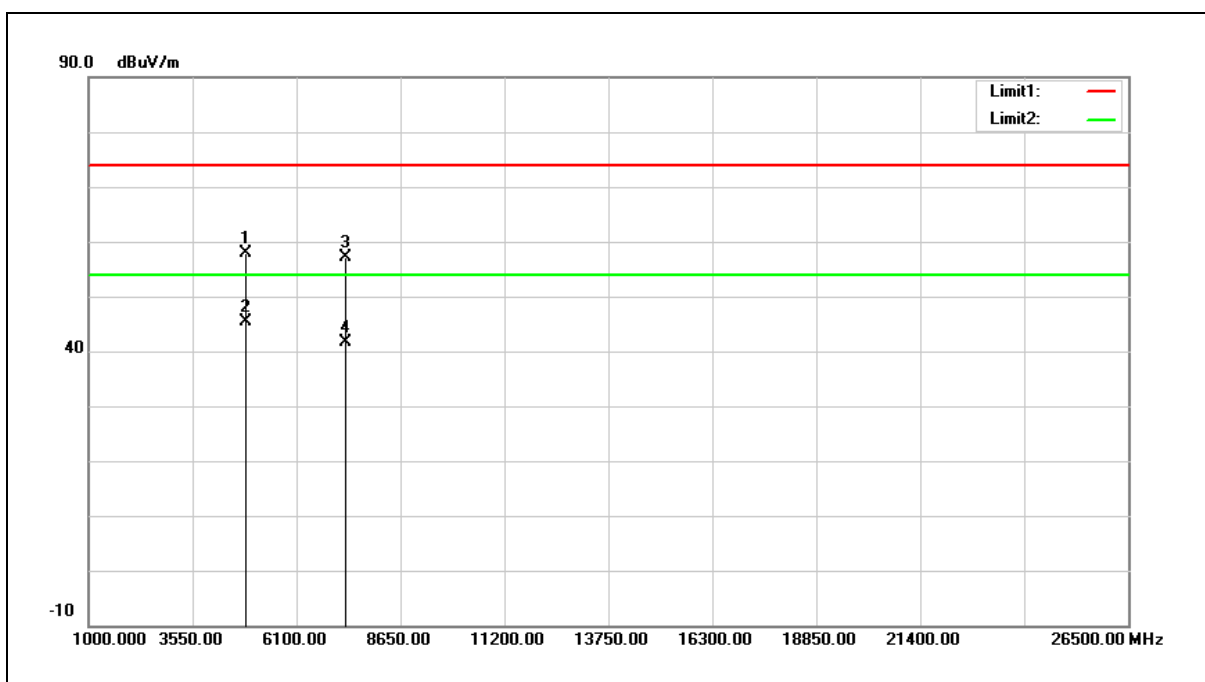
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	44.46	2.96	47.42	74.00	-26.58	peak
2	7311.000	42.10	9.14	51.24	74.00	-22.76	peak

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:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



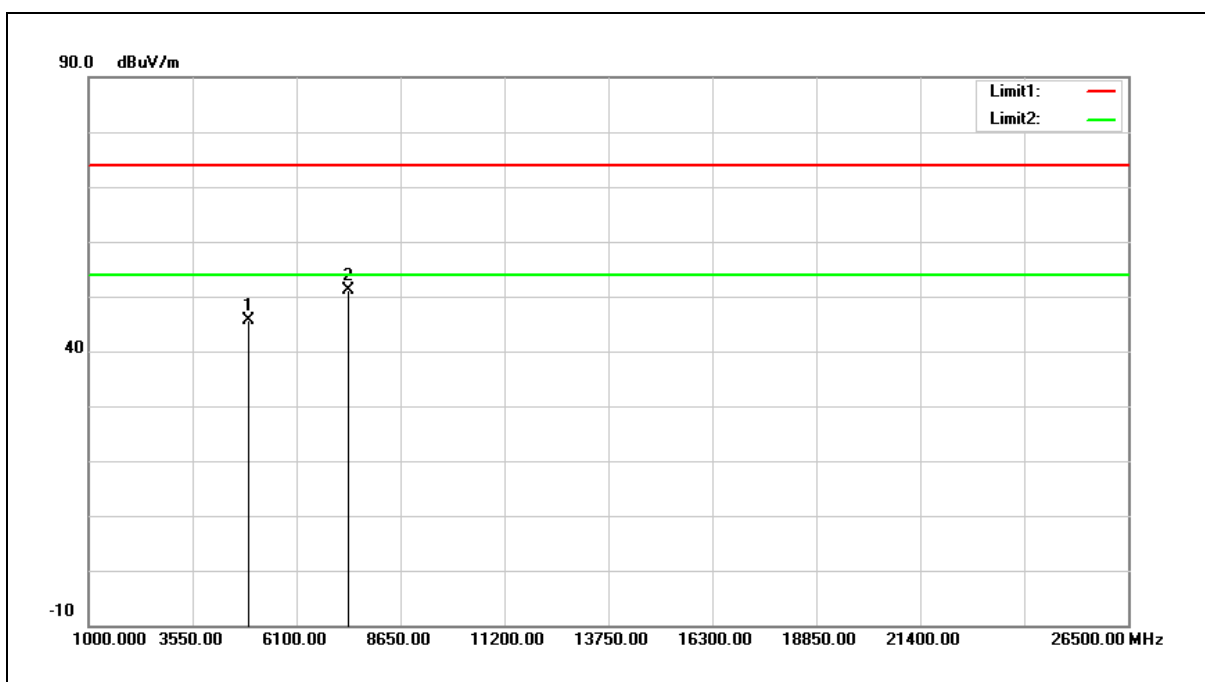
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	54.80	2.96	57.76	74.00	-16.24	peak
2	4874.000	42.52	2.96	45.48	54.00	-8.52	AVG
3	7311.000	48.01	9.14	57.15	74.00	-16.85	peak
4	7311.000	32.52	9.14	41.66	54.00	-12.34	AVG

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



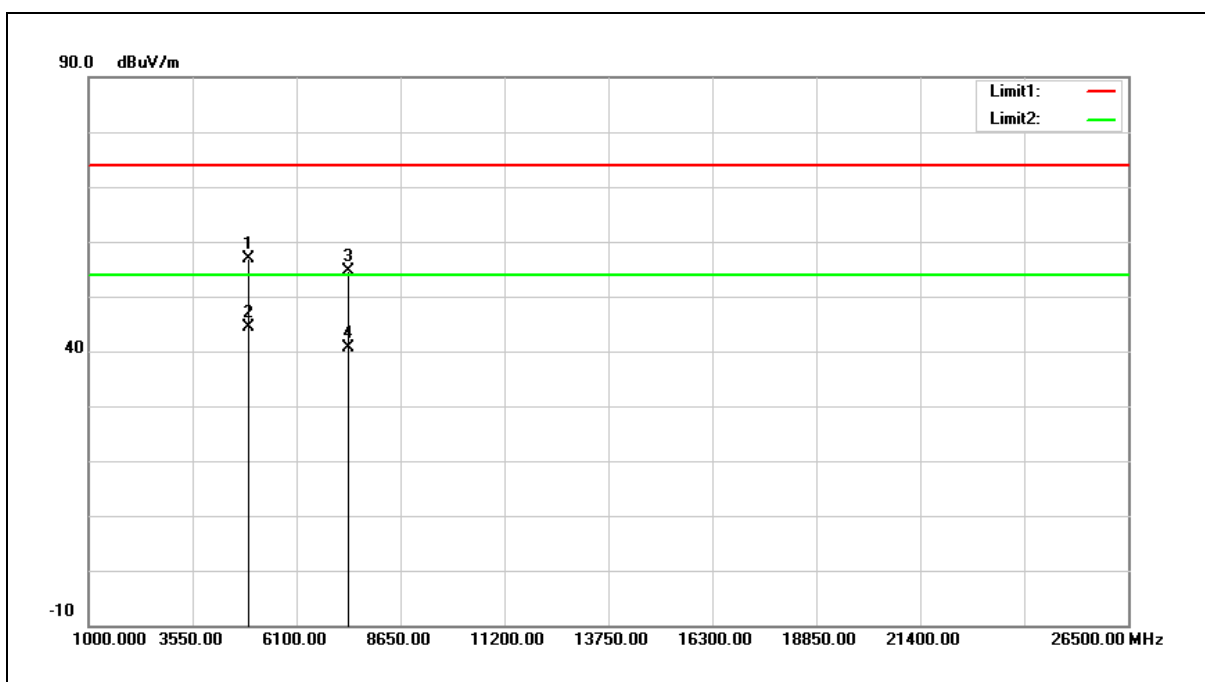
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	42.46	3.08	45.54	74.00	-28.46	peak
2	7386.000	41.63	9.38	51.01	74.00	-22.99	peak

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



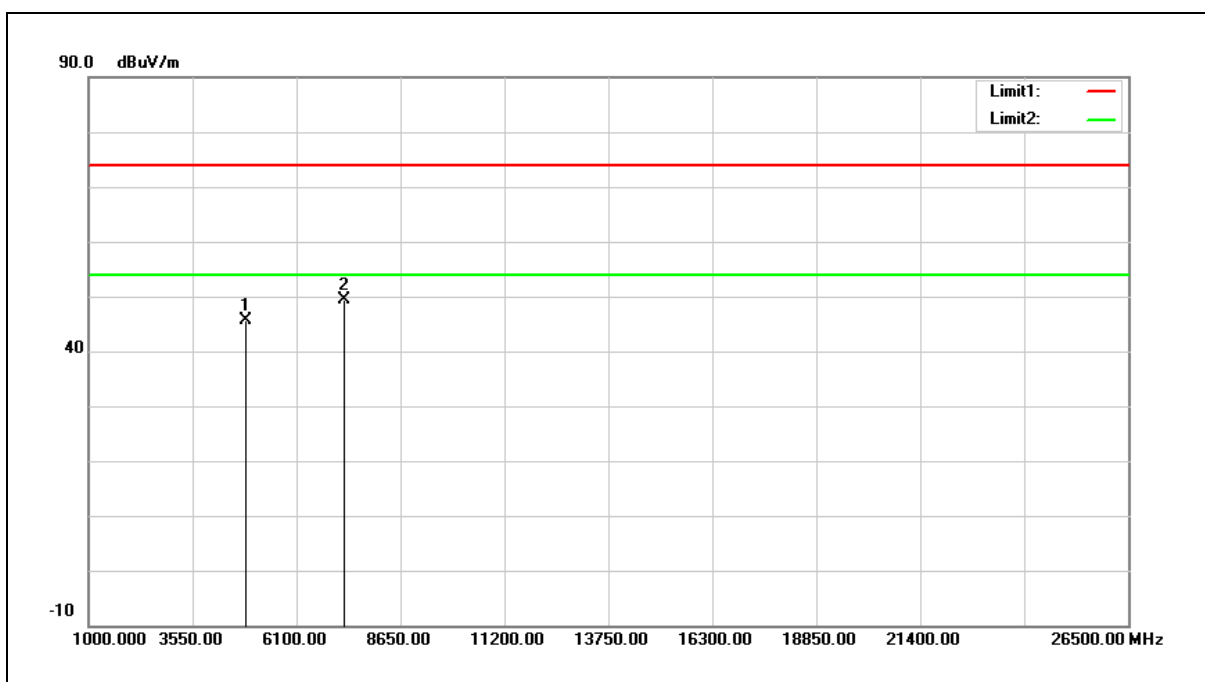
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	53.70	3.08	56.78	74.00	-17.22	peak
2	4924.000	41.35	3.08	44.43	54.00	-9.57	AVG
3	7386.000	45.18	9.38	54.56	74.00	-19.44	peak
4	7386.000	31.24	9.38	40.62	54.00	-13.38	AVG

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



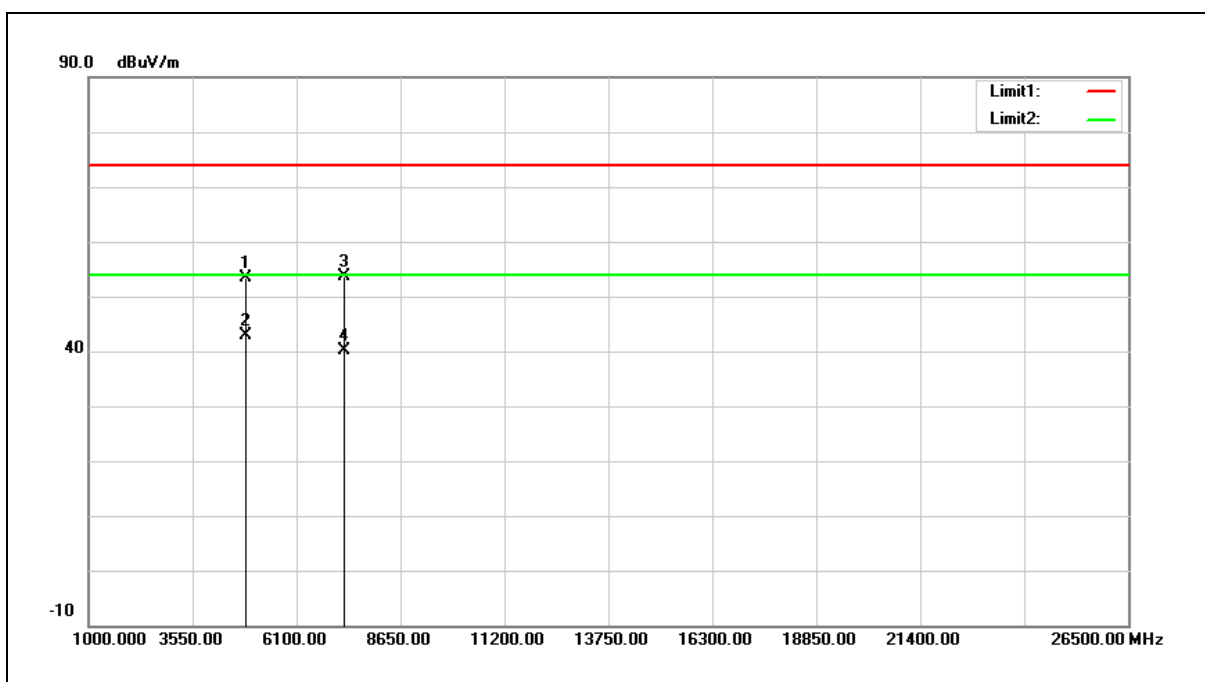
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	42.77	2.90	45.67	74.00	-28.33	peak
2	7266.000	40.41	9.00	49.41	74.00	-24.59	peak

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		
Frequency:	2422 MHz		
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	50.38	2.90	53.28	74.00	-20.72	peak
2	4844.000	39.89	2.90	42.79	54.00	-11.21	AVG
3	7266.000	44.56	9.00	53.56	74.00	-20.44	peak
4	7266.000	31.25	9.00	40.25	54.00	-13.75	AVG

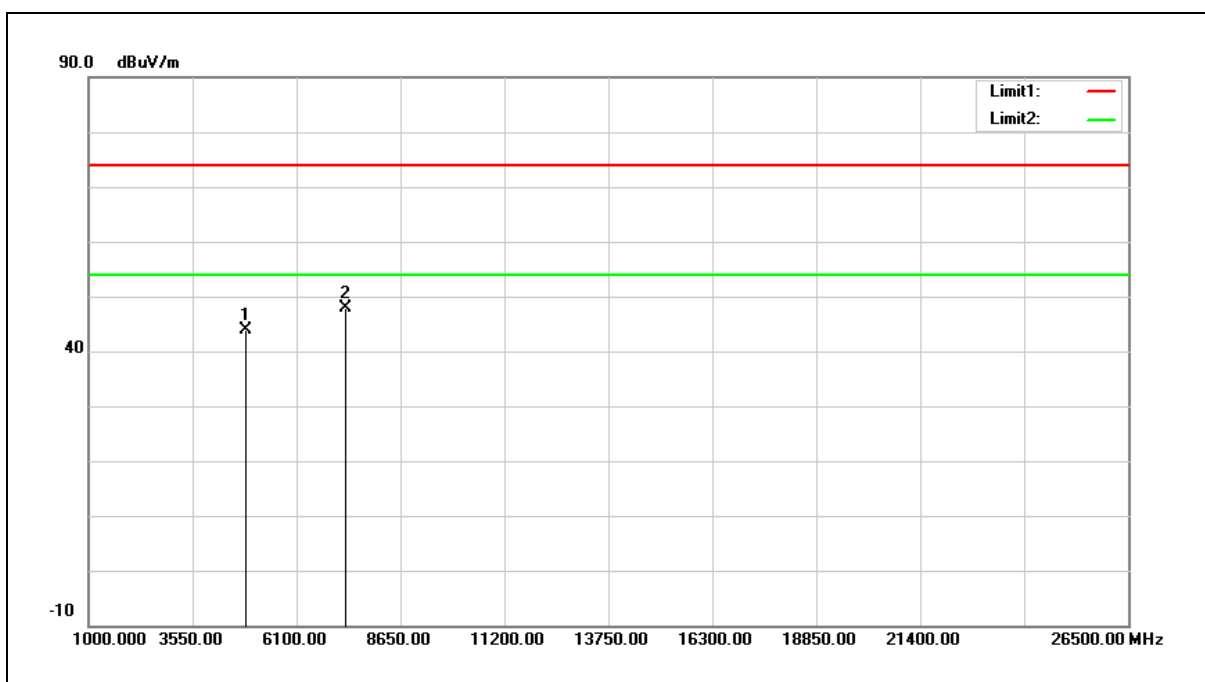
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



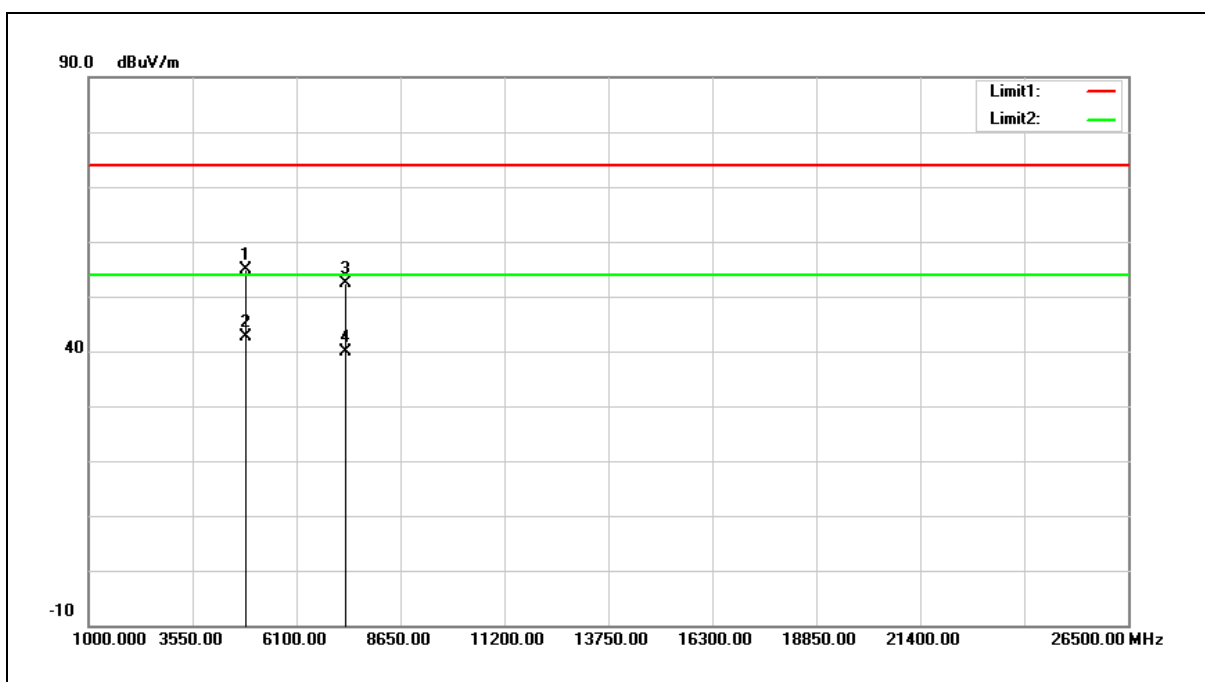
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.00	2.96	43.96	74.00	-30.04	peak
2	7311.000	38.69	9.14	47.83	74.00	-26.17	peak

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		
Frequency:	2437 MHz		
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	51.84	2.96	54.80	74.00	-19.20	peak
2	4874.000	39.61	2.96	42.57	54.00	-11.43	AVG
3	7311.000	43.28	9.14	52.42	74.00	-21.58	peak
4	7311.000	30.71	9.14	39.85	54.00	-14.15	AVG

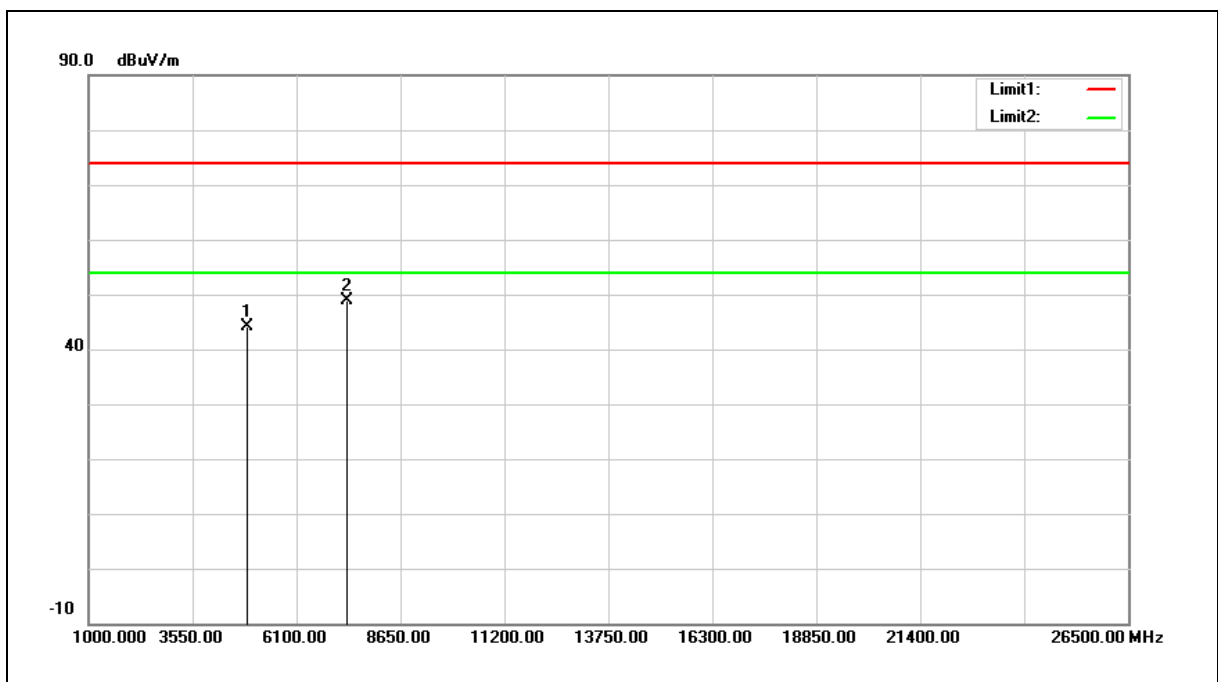
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
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	41.21	3.03	44.24	74.00	-29.76	peak
2	7356.000	39.68	9.29	48.97	74.00	-25.03	peak

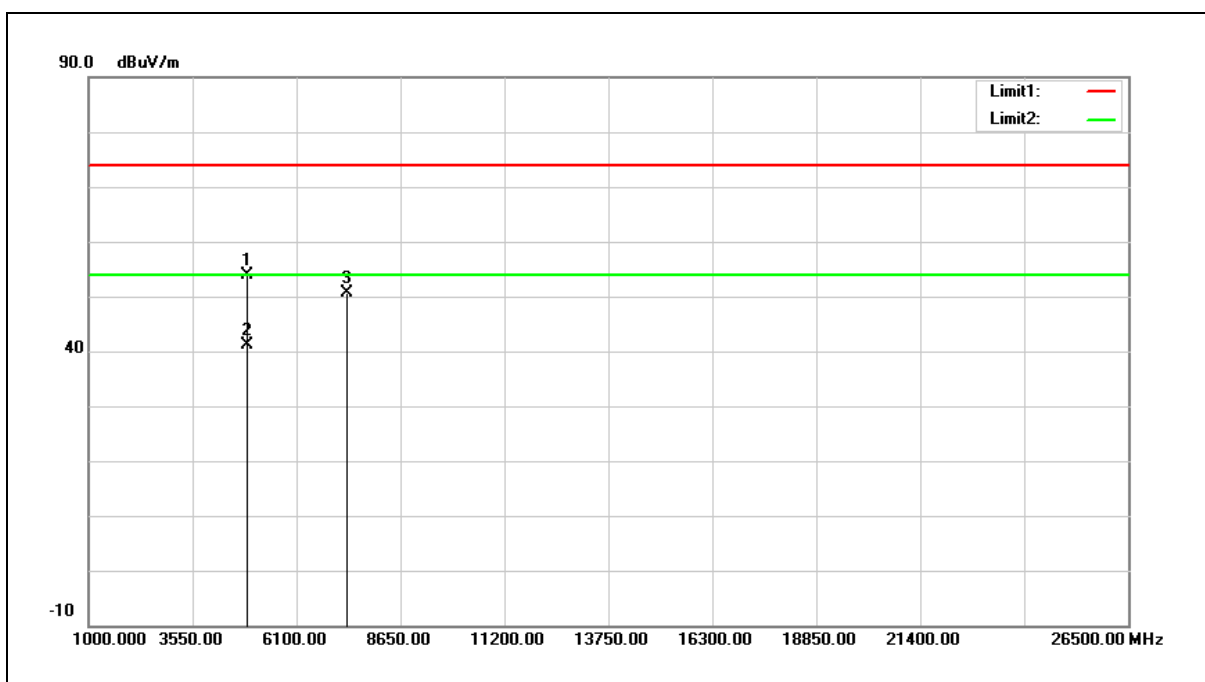
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
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	50.73	3.03	53.76	74.00	-20.24	peak
2	4904.000	38.09	3.03	41.12	54.00	-12.88	AVG
3	7356.000	41.24	9.29	50.53	74.00	-23.47	peak

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

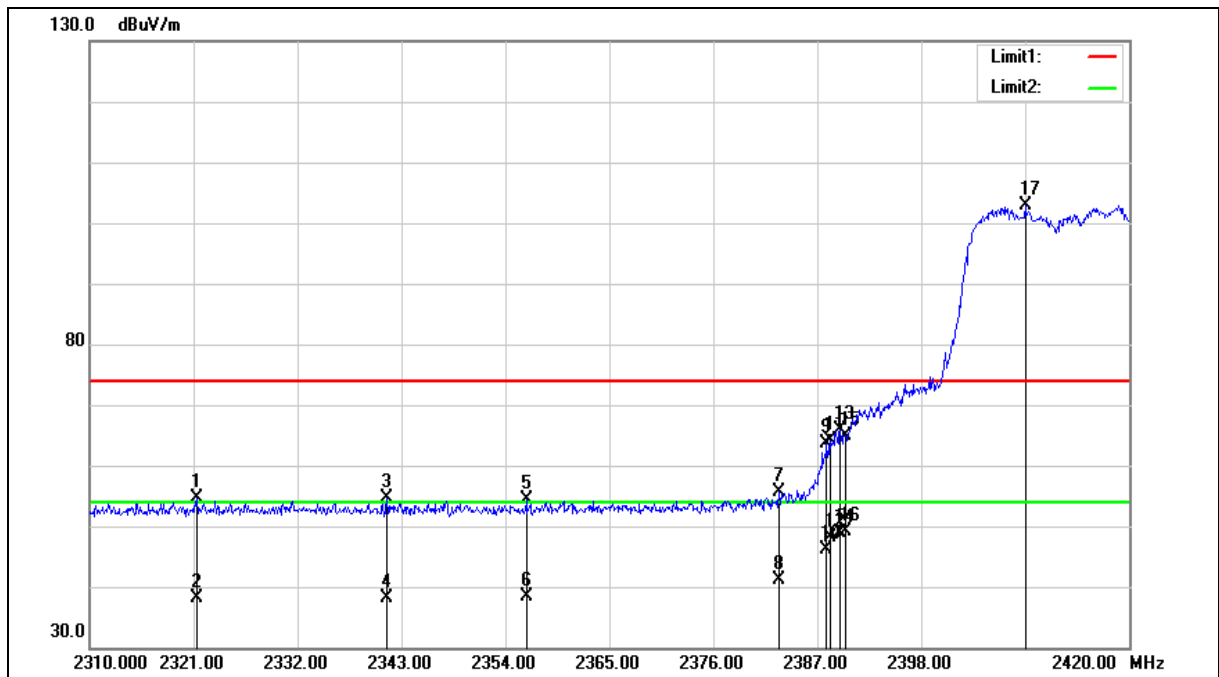
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2321.330	58.06	-3.53	54.53	74.00	-19.47	peak
2	2321.330	41.58	-3.53	38.05	54.00	-15.95	AVG
3	2341.460	58.08	-3.46	54.62	74.00	-19.38	peak
4	2341.460	41.54	-3.46	38.08	54.00	-15.92	AVG
5	2356.200	57.88	-3.40	54.48	74.00	-19.52	peak
6	2356.200	41.66	-3.40	38.26	54.00	-15.74	AVG
7	2382.930	59.05	-3.31	55.74	74.00	-18.26	peak
8	2382.930	44.48	-3.31	41.17	54.00	-12.83	AVG
9	2387.990	66.85	-3.29	63.56	74.00	-10.44	peak
10	2387.990	49.35	-3.29	46.06	54.00	-7.94	AVG
11	2388.320	67.52	-3.29	64.23	74.00	-9.77	peak
12	2388.320	51.44	-3.29	48.15	54.00	-5.85	AVG
13	2389.420	69.08	-3.28	65.80	74.00	-8.20	peak
14	2389.420	52.10	-3.28	48.82	54.00	-5.18	AVG
15	2390.000	68.04	-3.28	64.76	74.00	-9.24	peak
16	2390.000	52.51	-3.28	49.23	54.00	-4.77	AVG
17	2409.000	106.19	-3.21	102.98	--	--	peak

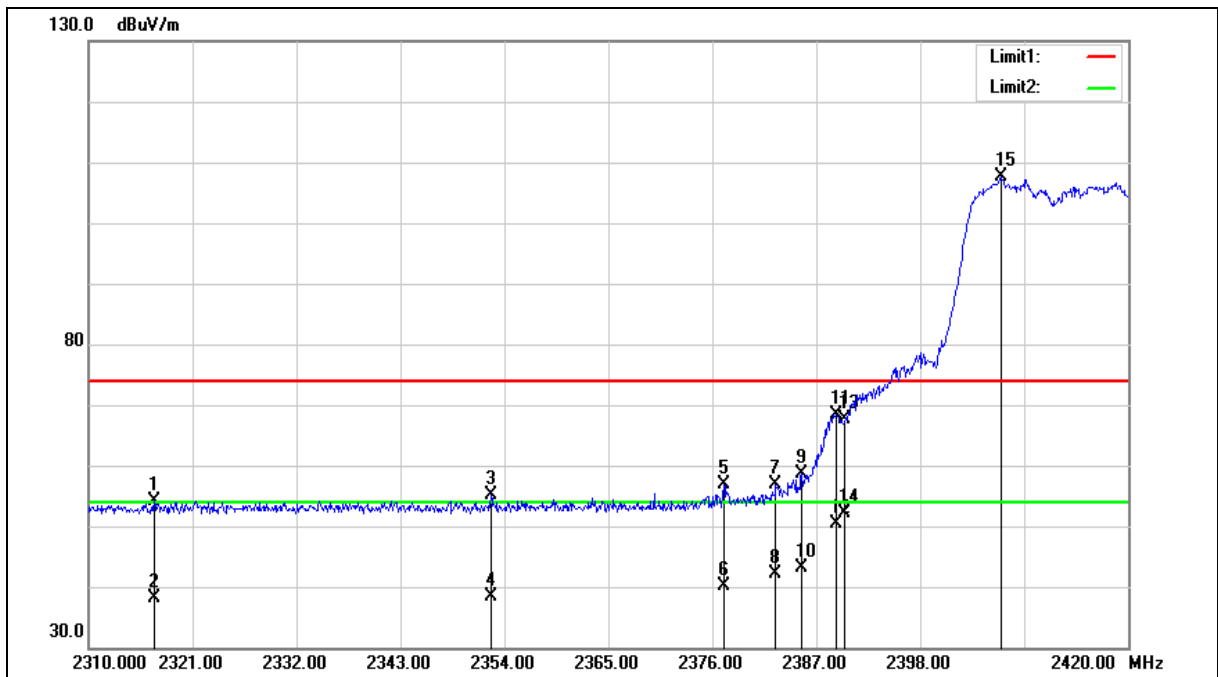
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2412 MHz	Temp.(°C)/Hum.(%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	2316.930	57.70	-3.55	54.15	74.00	-19.85	peak
2	2316.930	41.69	-3.55	38.14	54.00	-15.86	AVG
3	2352.570	58.62	-3.41	55.21	74.00	-18.79	peak
4	2352.570	41.84	-3.41	38.43	54.00	-15.57	AVG
5	2377.210	60.09	-3.33	56.76	74.00	-17.24	peak
6	2377.210	43.45	-3.33	40.12	54.00	-13.88	AVG
7	2382.710	60.13	-3.31	56.82	74.00	-17.18	peak
8	2382.710	45.33	-3.31	42.02	54.00	-11.98	AVG
9	2385.460	61.86	-3.29	58.57	74.00	-15.43	peak
10	2385.460	46.52	-3.29	43.23	54.00	-10.77	AVG
11	2389.090	71.78	-3.28	68.50	74.00	-5.50	peak
12	2389.090	53.58	-3.28	50.30	54.00	-3.70	AVG
13	2390.000	71.03	-3.28	67.75	74.00	-6.25	peak
14	2390.000	55.35	-3.28	52.07	54.00	-1.93	AVG
15	2406.580	110.83	-3.22	107.61	--	--	peak

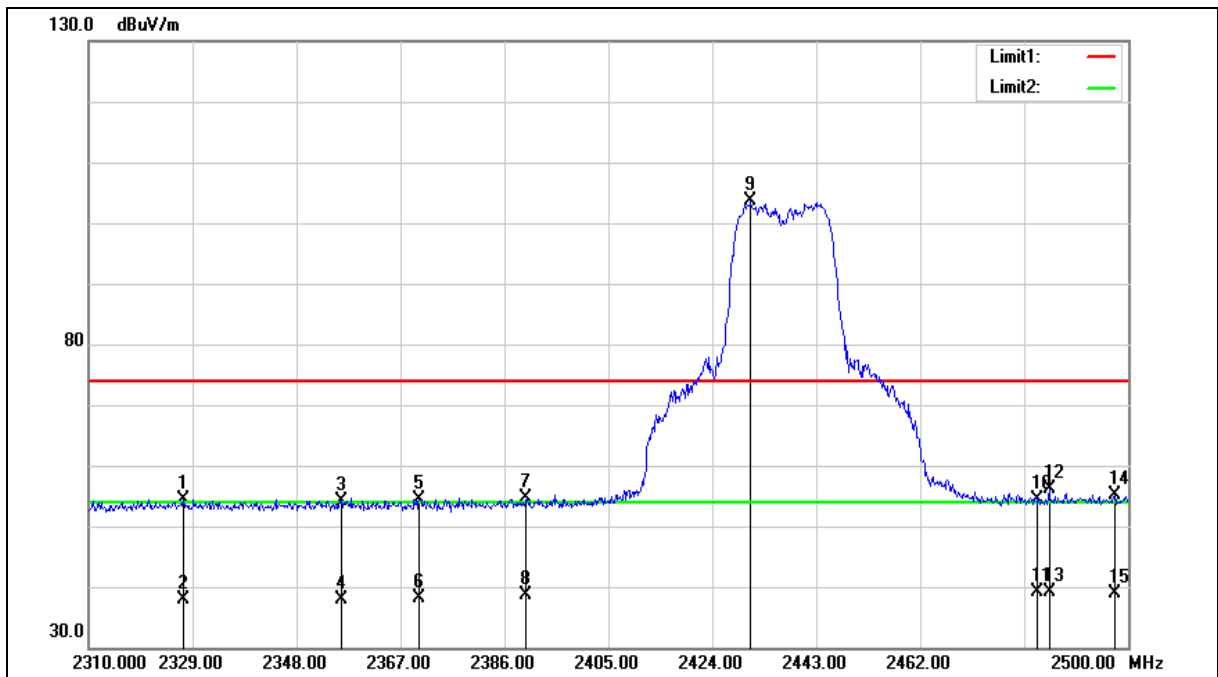
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

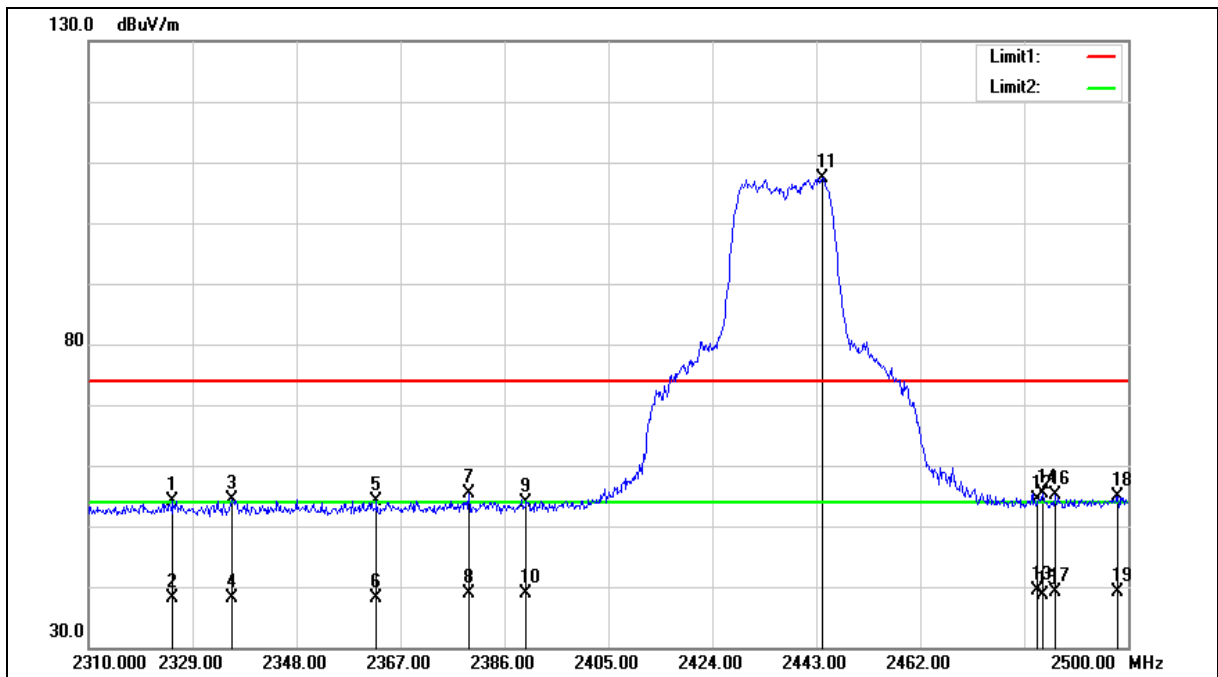
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2327.290	57.95	-3.51	54.44	74.00	-19.56	peak
2	2327.290	41.41	-3.51	37.90	54.00	-16.10	AVG
3	2356.170	57.58	-3.40	54.18	74.00	-19.82	peak
4	2356.170	41.39	-3.40	37.99	54.00	-16.01	AVG
5	2370.420	57.84	-3.36	54.48	74.00	-19.52	peak
6	2370.420	41.51	-3.36	38.15	54.00	-15.85	AVG
7	2390.000	57.84	-3.28	54.56	74.00	-19.44	peak
8	2390.000	41.85	-3.28	38.57	54.00	-15.43	AVG
9	2431.030	106.76	-3.13	103.63	--	--	peak
10	2483.500	57.32	-2.93	54.39	74.00	-19.61	peak
11	2483.500	41.97	-2.93	39.04	54.00	-14.96	AVG
12	2485.560	59.13	-2.92	56.21	74.00	-17.79	peak
13	2485.560	41.94	-2.92	39.02	54.00	-14.98	AVG
14	2497.530	58.12	-2.88	55.24	74.00	-18.76	peak
15	2497.530	41.80	-2.88	38.92	54.00	-15.08	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		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2325.390	57.64	-3.51	54.13	74.00	-19.87	peak
2	2325.390	41.52	-3.51	38.01	54.00	-15.99	AVG
3	2336.220	57.73	-3.47	54.26	74.00	-19.74	peak
4	2336.220	41.56	-3.47	38.09	54.00	-15.91	AVG
5	2362.630	57.40	-3.38	54.02	74.00	-19.98	peak
6	2362.630	41.53	-3.38	38.15	54.00	-15.85	AVG
7	2379.540	58.69	-3.32	55.37	74.00	-18.63	peak
8	2379.540	42.13	-3.32	38.81	54.00	-15.19	AVG
9	2390.000	57.27	-3.28	53.99	74.00	-20.01	peak
10	2390.000	42.18	-3.28	38.90	54.00	-15.10	AVG
11	2444.140	110.58	-3.08	107.50	--	--	peak
12	2483.500	57.22	-2.93	54.29	74.00	-19.71	peak
13	2483.500	42.41	-2.93	39.48	54.00	-14.52	AVG
14	2484.420	58.42	-2.93	55.49	74.00	-18.51	peak
15	2484.420	41.67	-2.93	38.74	54.00	-15.26	AVG
16	2486.700	57.96	-2.92	55.04	74.00	-18.96	peak
17	2486.700	42.12	-2.92	39.20	54.00	-14.80	AVG
18	2498.100	57.83	-2.88	54.95	74.00	-19.05	peak
19	2498.100	42.00	-2.88	39.12	54.00	-14.88	AVG

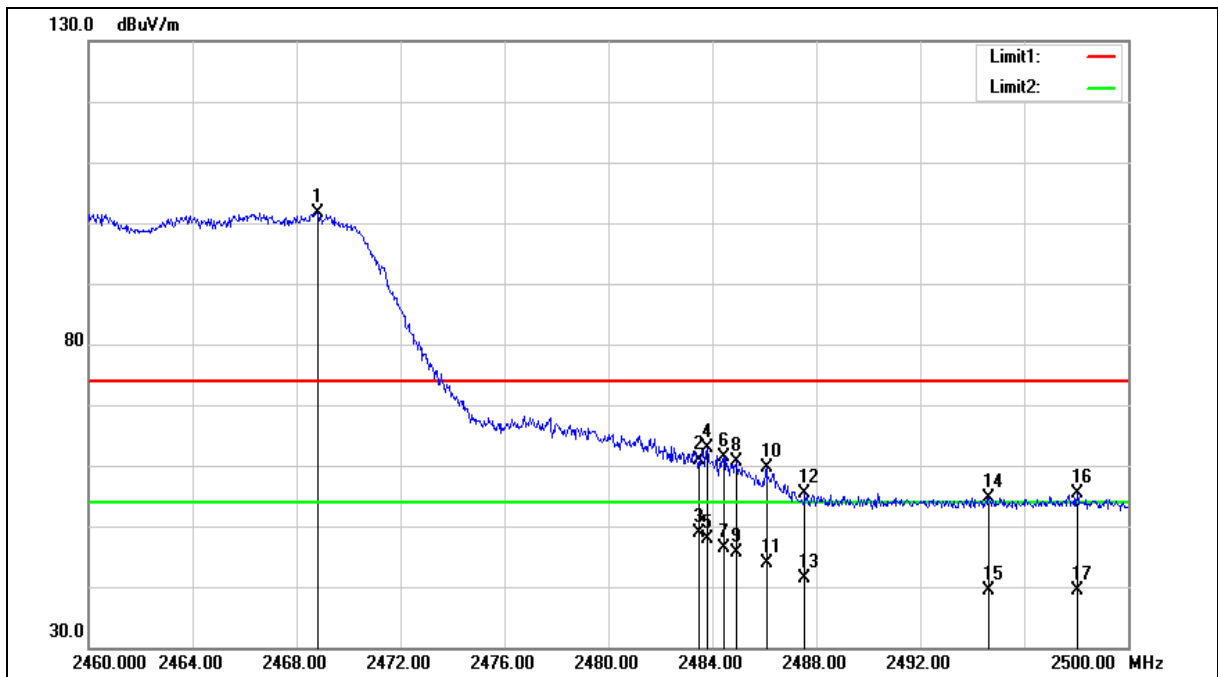
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2468.840	104.73	-2.98	101.75	--	--	peak
2	2483.500	63.82	-2.93	60.89	74.00	-13.11	peak
3	2483.500	51.74	-2.93	48.81	54.00	-5.19	AVG
4	2483.800	65.83	-2.93	62.90	74.00	-11.10	peak
5	2483.800	50.72	-2.93	47.79	54.00	-6.21	AVG
6	2484.440	64.40	-2.93	61.47	74.00	-12.53	peak
7	2484.440	49.28	-2.93	46.35	54.00	-7.65	AVG
8	2484.920	63.60	-2.93	60.67	74.00	-13.33	peak
9	2484.920	48.59	-2.93	45.66	54.00	-8.34	AVG
10	2486.080	62.58	-2.92	59.66	74.00	-14.34	peak
11	2486.080	46.77	-2.92	43.85	54.00	-10.15	AVG
12	2487.560	58.34	-2.92	55.42	74.00	-18.58	peak
13	2487.560	44.22	-2.92	41.30	54.00	-12.70	AVG
14	2494.640	57.50	-2.89	54.61	74.00	-19.39	peak
15	2494.640	42.36	-2.89	39.47	54.00	-14.53	AVG
16	2498.040	58.22	-2.88	55.34	74.00	-18.66	peak
17	2498.040	42.16	-2.88	39.28	54.00	-14.72	AVG

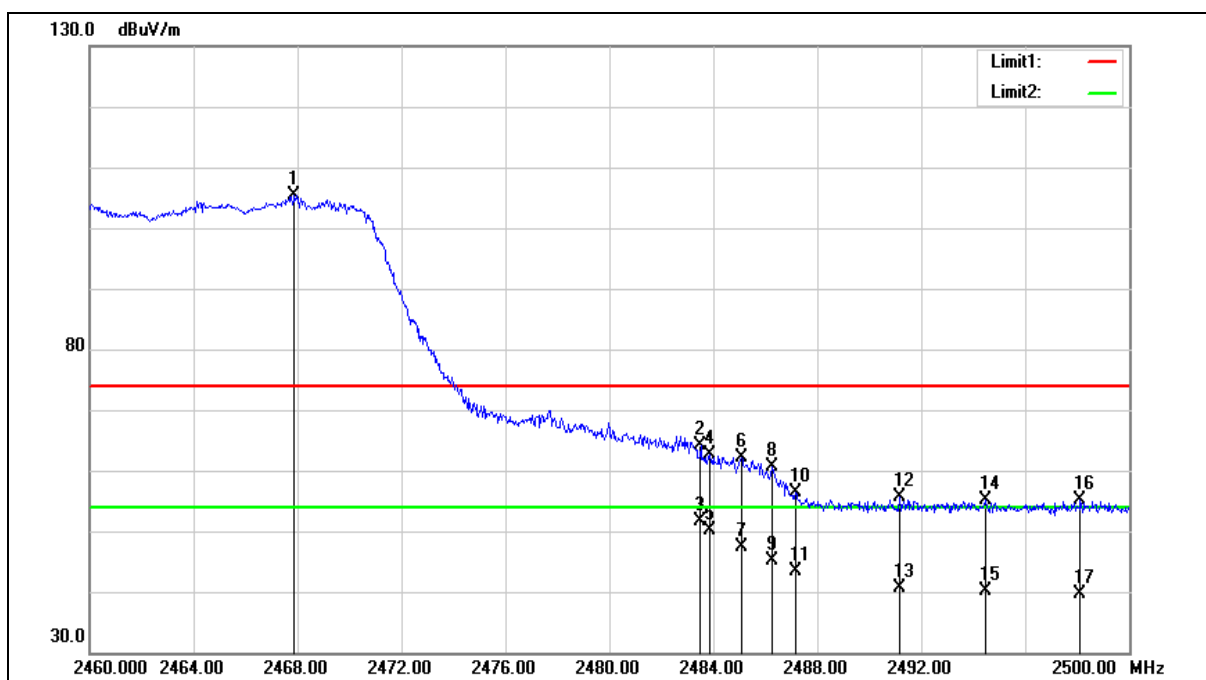
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 MHz	Temp.(°C)/Hum.(%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	2467.880	108.33	-2.99	105.34	--	--	peak
2	2483.500	66.99	-2.93	64.06	74.00	-9.94	peak
3	2483.500	54.54	-2.93	51.61	54.00	-2.39	AVG
4	2483.840	65.55	-2.93	62.62	74.00	-11.38	peak
5	2483.840	52.96	-2.93	50.03	54.00	-3.97	AVG
6	2485.080	65.08	-2.92	62.16	74.00	-11.84	peak
7	2485.080	50.28	-2.92	47.36	54.00	-6.64	AVG
8	2486.280	63.46	-2.92	60.54	74.00	-13.46	peak
9	2486.280	48.04	-2.92	45.12	54.00	-8.88	AVG
10	2487.160	59.21	-2.92	56.29	74.00	-17.71	peak
11	2487.160	46.30	-2.92	43.38	54.00	-10.62	AVG
12	2491.160	58.47	-2.91	55.56	74.00	-18.44	peak
13	2491.160	43.47	-2.91	40.56	54.00	-13.44	AVG
14	2494.480	57.99	-2.89	55.10	74.00	-18.90	peak
15	2494.480	42.95	-2.89	40.06	54.00	-13.94	AVG
16	2498.120	57.98	-2.88	55.10	74.00	-18.90	peak
17	2498.120	42.54	-2.88	39.66	54.00	-14.34	AVG

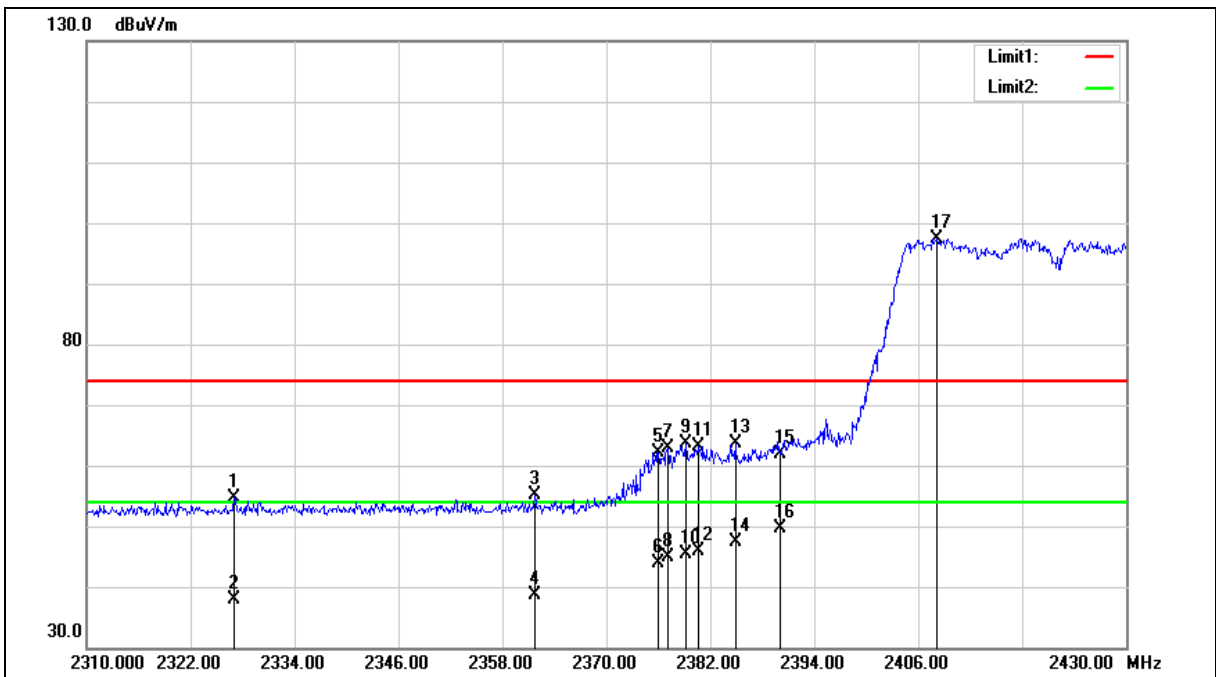
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz	Temp.(°C)/Hum.(%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	2327.040	58.12	-3.51	54.61	74.00	-19.39	peak
2	2327.040	41.47	-3.51	37.96	54.00	-16.04	AVG
3	2361.720	58.39	-3.38	55.01	74.00	-18.99	peak
4	2361.720	42.06	-3.38	38.68	54.00	-15.32	AVG
5	2376.000	65.50	-3.33	62.17	74.00	-11.83	peak
6	2376.000	47.18	-3.33	43.85	54.00	-10.15	AVG
7	2377.080	66.10	-3.33	62.77	74.00	-11.23	peak
8	2377.080	48.14	-3.33	44.81	54.00	-9.19	AVG
9	2379.120	67.05	-3.32	63.73	74.00	-10.27	peak
10	2379.120	48.74	-3.32	45.42	54.00	-8.58	AVG
11	2380.560	66.50	-3.32	63.18	74.00	-10.82	peak
12	2380.560	49.25	-3.32	45.93	54.00	-8.07	AVG
13	2384.880	66.91	-3.31	63.60	74.00	-10.40	peak
14	2384.880	50.76	-3.31	47.45	54.00	-6.55	AVG
15	2390.000	65.27	-3.28	61.99	74.00	-12.01	peak
16	2390.000	52.81	-3.28	49.53	54.00	-4.47	AVG
17	2408.160	100.71	-3.22	97.49	--	--	peak

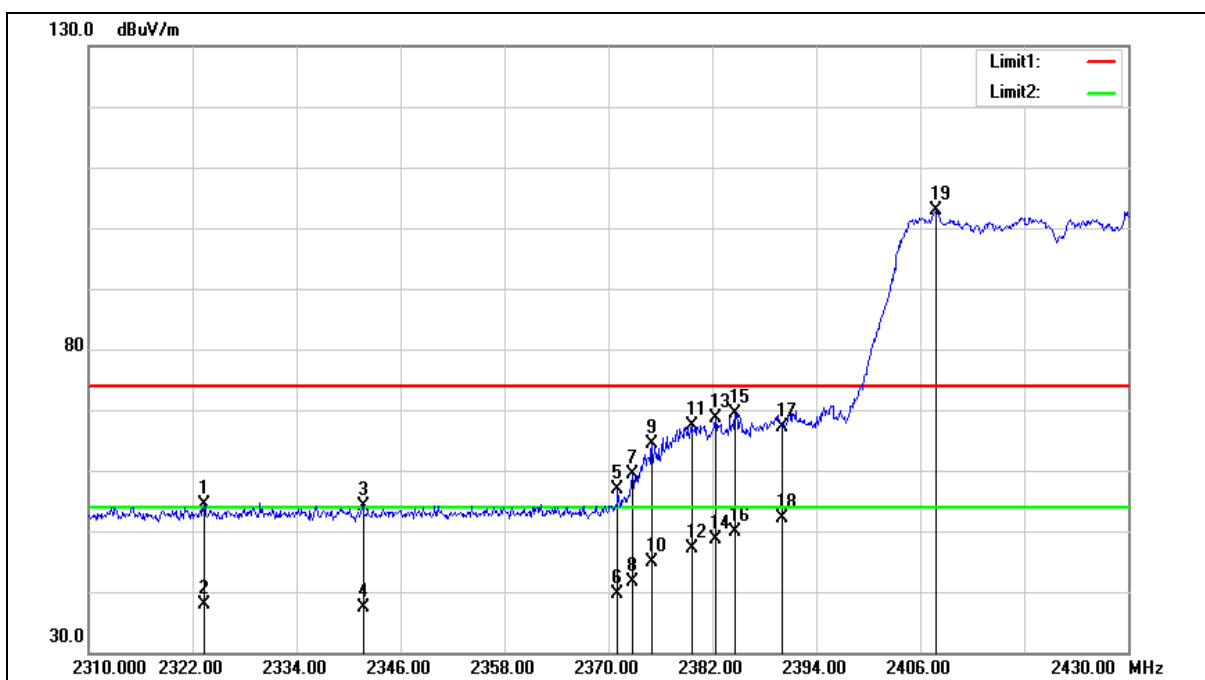
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz	Temp.(°C)/Hum.(%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	2323.320	57.93	-3.52	54.41	74.00	-19.59	peak
2	2323.320	41.46	-3.52	37.94	54.00	-16.06	AVG
3	2341.680	57.68	-3.45	54.23	74.00	-19.77	peak
4	2341.680	40.85	-3.45	37.40	54.00	-16.60	AVG
5	2371.080	60.16	-3.36	56.80	74.00	-17.20	peak
6	2371.080	42.99	-3.36	39.63	54.00	-14.37	AVG
7	2372.760	62.60	-3.34	59.26	74.00	-14.74	peak
8	2372.760	44.95	-3.34	41.61	54.00	-12.39	AVG
9	2375.040	67.75	-3.33	64.42	74.00	-9.58	peak
10	2375.040	48.25	-3.33	44.92	54.00	-9.08	AVG
11	2379.600	70.66	-3.32	67.34	74.00	-6.66	peak
12	2379.600	50.53	-3.32	47.21	54.00	-6.79	AVG
13	2382.360	71.82	-3.31	68.51	74.00	-5.49	peak
14	2382.360	51.84	-3.31	48.53	54.00	-5.47	AVG
15	2384.640	72.79	-3.31	69.48	74.00	-4.52	peak
16	2384.640	53.30	-3.31	49.99	54.00	-4.01	AVG
17	2390.000	70.40	-3.28	67.12	74.00	-6.88	peak
18	2390.000	55.33	-3.28	52.05	54.00	-1.95	AVG
19	2407.800	106.11	-3.22	102.89	--	--	peak

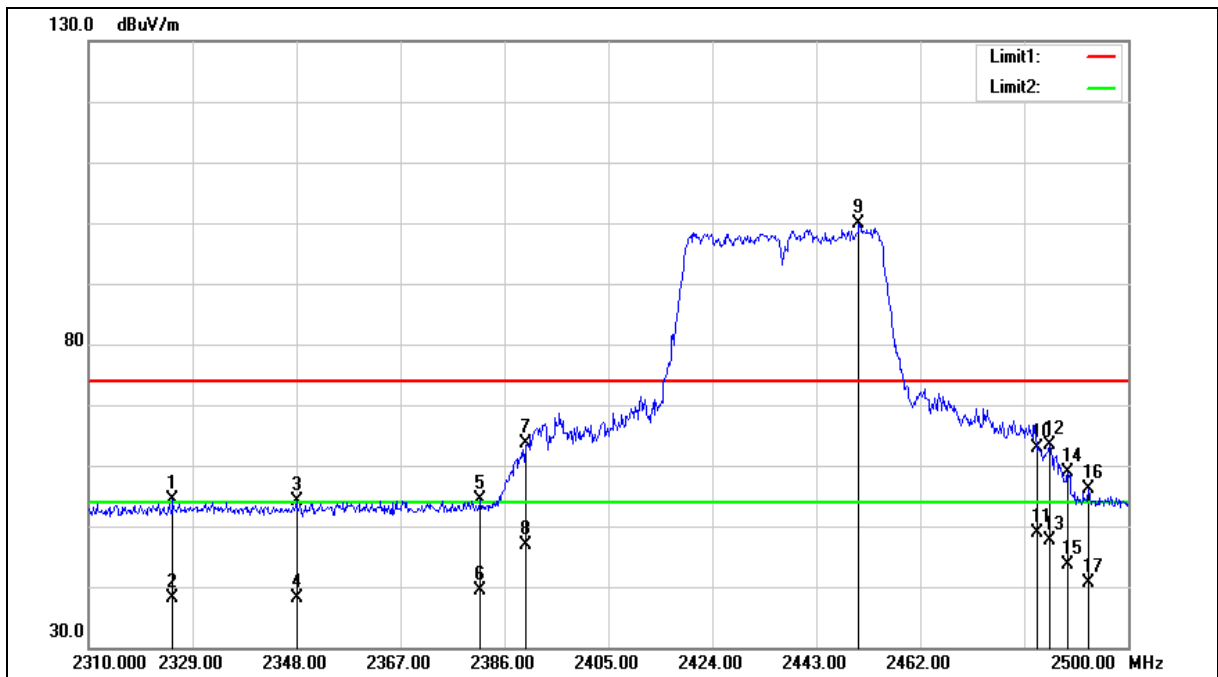
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2325.390	57.84	-3.51	54.33	74.00	-19.67	peak
2	2325.390	41.64	-3.51	38.13	54.00	-15.87	AVG
3	2348.000	57.46	-3.43	54.03	74.00	-19.97	peak
4	2348.000	41.57	-3.43	38.14	54.00	-15.86	AVG
5	2381.630	57.59	-3.32	54.27	74.00	-19.73	peak
6	2381.630	42.67	-3.32	39.35	54.00	-14.65	AVG
7	2390.000	66.94	-3.28	63.66	74.00	-10.34	peak
8	2390.000	50.14	-3.28	46.86	54.00	-7.14	AVG
9	2450.790	102.88	-3.06	99.82	--	--	peak
10	2483.500	65.69	-2.93	62.76	74.00	-11.24	peak
11	2483.500	51.82	-2.93	48.89	54.00	-5.11	AVG
12	2485.560	66.35	-2.92	63.43	74.00	-10.57	peak
13	2485.560	50.58	-2.92	47.66	54.00	-6.34	AVG
14	2488.980	61.85	-2.91	58.94	74.00	-15.06	peak
15	2488.980	46.48	-2.91	43.57	54.00	-10.43	AVG
16	2492.780	58.94	-2.90	56.04	74.00	-17.96	peak
17	2492.780	43.42	-2.90	40.52	54.00	-13.48	AVG

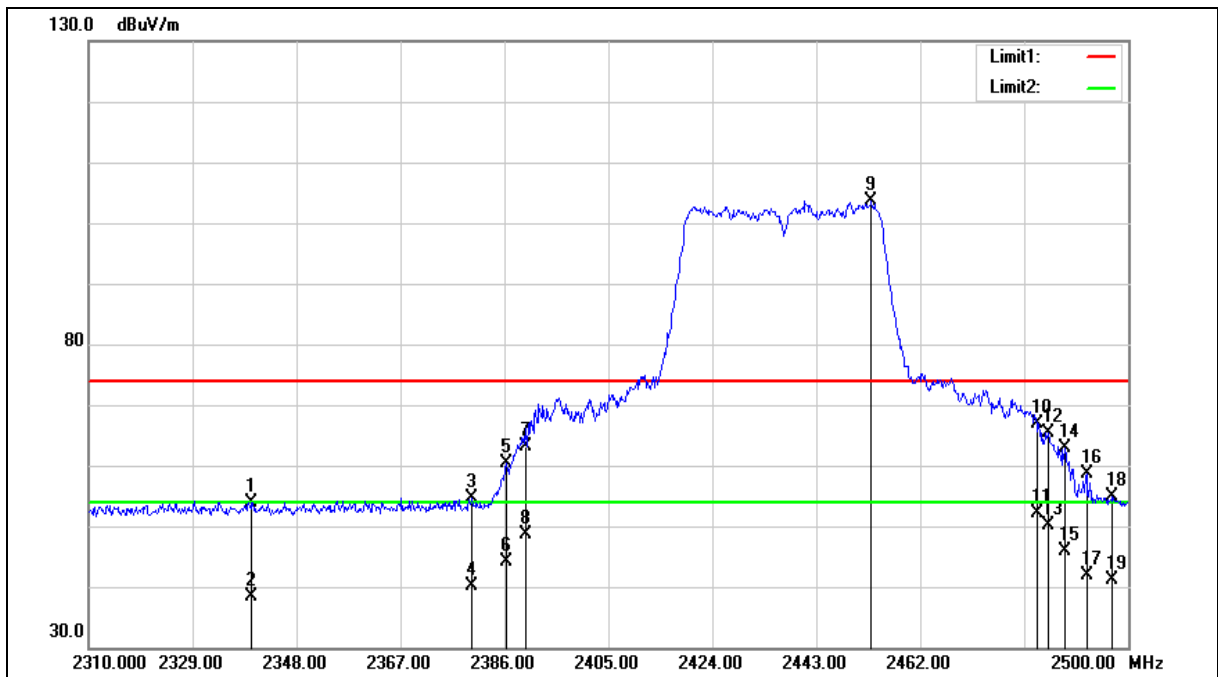
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz	Temp.(°C)/Hum.(%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	2339.830	57.36	-3.46	53.90	74.00	-20.10	peak
2	2339.830	41.86	-3.46	38.40	54.00	-15.60	AVG
3	2380.110	58.00	-3.32	54.68	74.00	-19.32	peak
4	2380.110	43.40	-3.32	40.08	54.00	-13.92	AVG
5	2386.380	63.59	-3.29	60.30	74.00	-13.70	peak
6	2386.380	47.54	-3.29	44.25	54.00	-9.75	AVG
7	2390.000	66.46	-3.28	63.18	74.00	-10.82	peak
8	2390.000	52.01	-3.28	48.73	54.00	-5.27	AVG
9	2453.070	106.63	-3.04	103.59	--	--	peak
10	2483.500	69.72	-2.93	66.79	74.00	-7.21	peak
11	2483.500	54.97	-2.93	52.04	54.00	-1.96	AVG
12	2485.370	68.35	-2.92	65.43	74.00	-8.57	peak
13	2485.370	53.08	-2.92	50.16	54.00	-3.84	AVG
14	2488.410	65.80	-2.91	62.89	74.00	-11.11	peak
15	2488.410	48.82	-2.91	45.91	54.00	-8.09	AVG
16	2492.400	61.55	-2.90	58.65	74.00	-15.35	peak
17	2492.400	44.70	-2.90	41.80	54.00	-12.20	AVG
18	2497.150	57.72	-2.88	54.84	74.00	-19.16	peak
19	2497.150	44.03	-2.88	41.15	54.00	-12.85	AVG

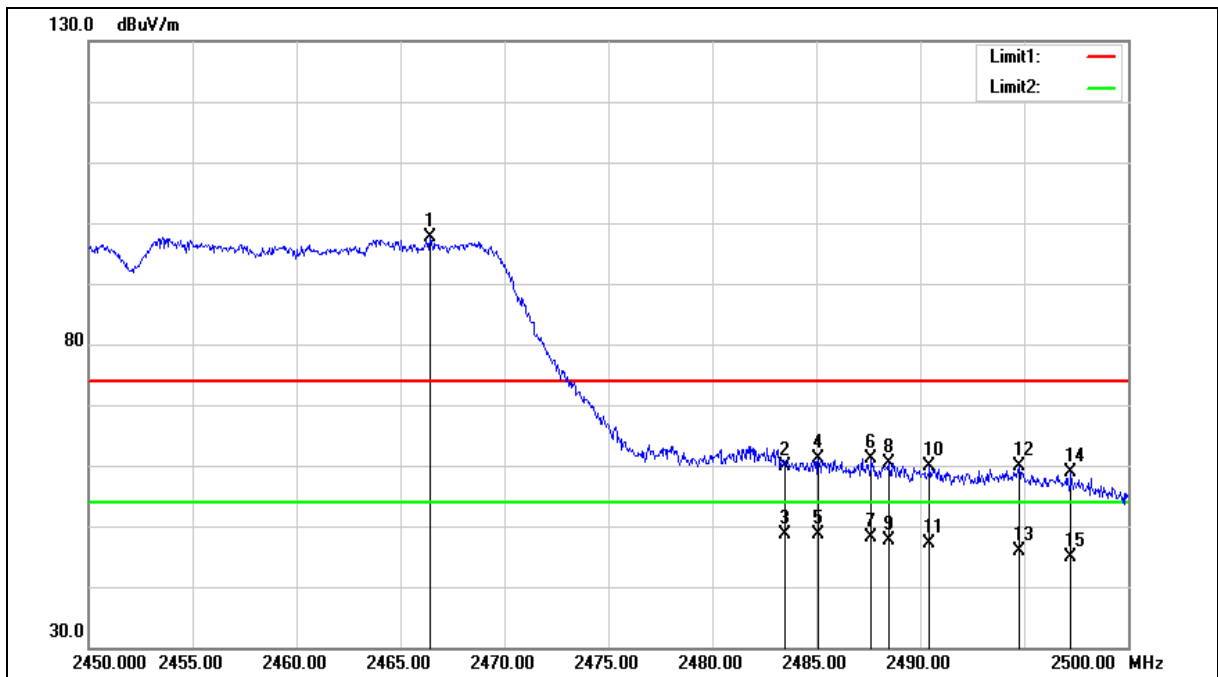
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz	Temp.(°C)/Hum.(%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	2466.400	100.55	-2.99	97.56	--	--	peak
2	2483.500	62.87	-2.93	59.94	74.00	-14.06	peak
3	2483.500	51.67	-2.93	48.74	54.00	-5.26	AVG
4	2485.100	64.07	-2.92	61.15	74.00	-12.85	peak
5	2485.100	51.47	-2.92	48.55	54.00	-5.45	AVG
6	2487.650	64.07	-2.92	61.15	74.00	-12.85	peak
7	2487.650	51.05	-2.92	48.13	54.00	-5.87	AVG
8	2488.500	63.35	-2.91	60.44	74.00	-13.56	peak
9	2488.500	50.64	-2.91	47.73	54.00	-6.27	AVG
10	2490.450	62.75	-2.91	59.84	74.00	-14.16	peak
11	2490.450	49.98	-2.91	47.07	54.00	-6.93	AVG
12	2494.750	62.74	-2.89	59.85	74.00	-14.15	peak
13	2494.750	48.78	-2.89	45.89	54.00	-8.11	AVG
14	2497.250	61.85	-2.88	58.97	74.00	-15.03	peak
15	2497.250	47.87	-2.88	44.99	54.00	-9.01	AVG

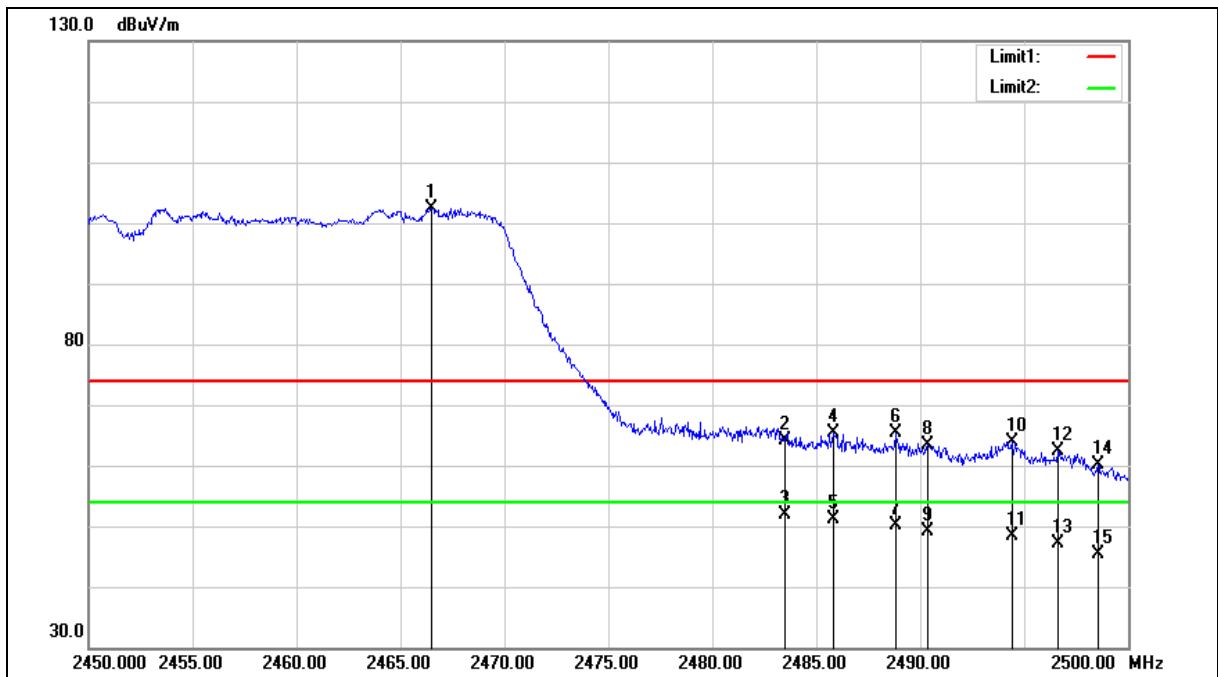
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.247	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz	Temp.(°C)/Hum.(%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	2466.500	105.38	-2.99	102.39	--	--	peak
2	2483.500	67.10	-2.93	64.17	74.00	-9.83	peak
3	2483.500	54.69	-2.93	51.76	54.00	-2.24	AVG
4	2485.850	68.22	-2.92	65.30	74.00	-8.70	peak
5	2485.850	54.07	-2.92	51.15	54.00	-2.85	AVG
6	2488.850	68.22	-2.91	65.31	74.00	-8.69	peak
7	2488.850	53.01	-2.91	50.10	54.00	-3.90	AVG
8	2490.350	66.33	-2.91	63.42	74.00	-10.58	peak
9	2490.350	52.16	-2.91	49.25	54.00	-4.75	AVG
10	2494.400	66.67	-2.89	63.78	74.00	-10.22	peak
11	2494.400	51.21	-2.89	48.32	54.00	-5.68	AVG
12	2496.650	65.24	-2.88	62.36	74.00	-11.64	peak
13	2496.650	50.05	-2.88	47.17	54.00	-6.83	AVG
14	2498.550	63.09	-2.87	60.22	74.00	-13.78	peak
15	2498.550	48.22	-2.87	45.35	54.00	-8.65	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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