

RF Test Report

Applicant : i-Waylink Inc.
Product Type : Mobile Computer
Trade Name : iMotion or 
Model Number : MC401
Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013
Received Date : Feb. 27, 2020
Test Period : Mar. 25 ~ Apr. 07, 2020
Issued Date : Jun. 29, 2020

Issued by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW0010

Note:

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Revision History

Rev.	Issued Date	Revisions	Revised By
00	Jun. 29, 2020	Initial Issue	Nina Lin

Verification of Compliance

Issued Date: Jun. 29, 2020

Applicant : i-Waylink Inc.
Product Type : Mobile Computer
Trade Name : iMotion or 
Model Number : MC401
FCC ID : SPYMC401
EUT Rated Voltage : DC 5 V, 2.5 A / DC 9 V, 2 A
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,
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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.

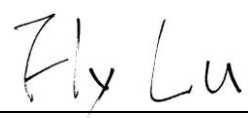
Approved By : 
(Manager) (Fly Lu)

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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)

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	

Decision Rule

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

2 EUT Description

Applicant	i-Waylink Inc. 6F., NO. 288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110, Taiwan			
Manufacturer	i-Waylink Inc. 6F., NO. 288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110, Taiwan			
Product Type	Mobile Computer			
Trade Name	iMotion or 			
Model Number	MC401			
FCC ID	SPYMC401			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate 400 / 800 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	PACM-5 main	Internal Antenna	0.99
	ANT-1	PACM-5 AUX	Internal Antenna	0.98
Antenna Delivery	See section 3.1			
Operate Temp. Range	-20 ~ +50 °C			

Frequency Band	Max. RF Output Power (W)
IEEE 802.11b	0.215
IEEE 802.11g	0.190
IEEE 802.11n 2.4 GHz 20 MHz	0.182
IEEE 802.11n 2.4 GHz 40 MHz	0.231

3 Test Methodology

3.1. Mode of Operation

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

Test Mode
Mode 1: Transmit mode
Mode 2: IEEE 802.11b Continuous TX mode
Mode 3: IEEE 802.11g Continuous TX mode
Mode 4: IEEE 802.11n 2.4 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	V	V
Mode 3	V	V	V
Mode 4	V	V	V
Mode 5	V	V	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	2TX (CDD)	1	1, 6, 11
Mode 3	2TX (CDD)	6	1, 6, 11
Mode 4	2TX (MIMO)	13	1, 6, 11
Mode 5	2TX (MIMO)	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	12.270	12.330	0.995	0.021	0.010
Mode 3	2412.0	2.050	2.130	0.962	0.166	0.488
Mode 4	2412.0	0.980	1.060	0.925	0.341	1.020
Mode 5	2422.0	0.494	0.592	0.834	0.786	2.024



Duty Cycle Graphs

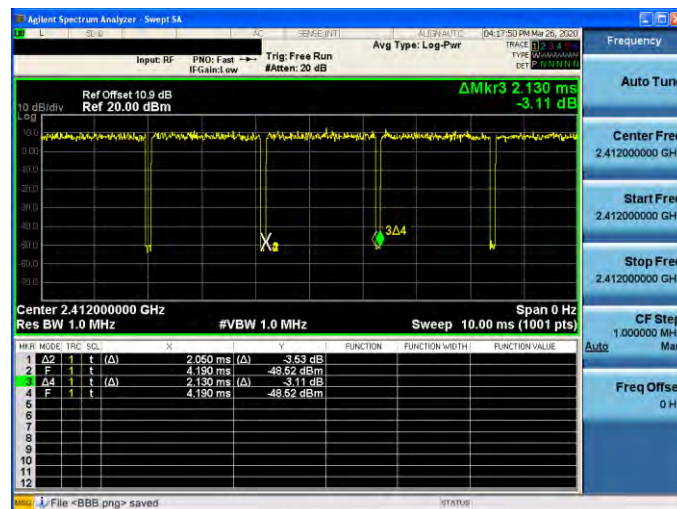
Mode 2: IEEE 802.11b Continuous TX mode

On+off time



Mode 3: IEEE 802.11g Continuous TX mode

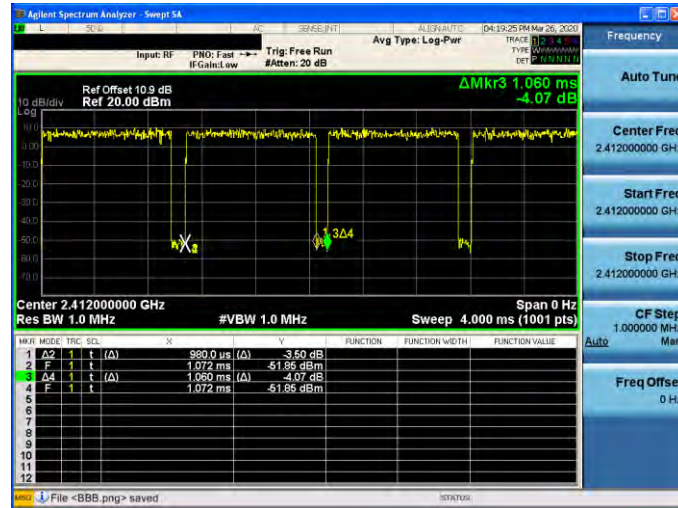
On+off time





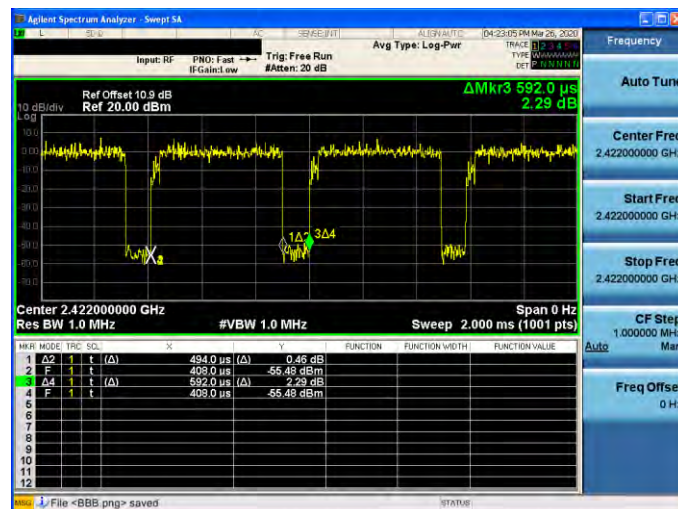
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

On+off time



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

On+off time





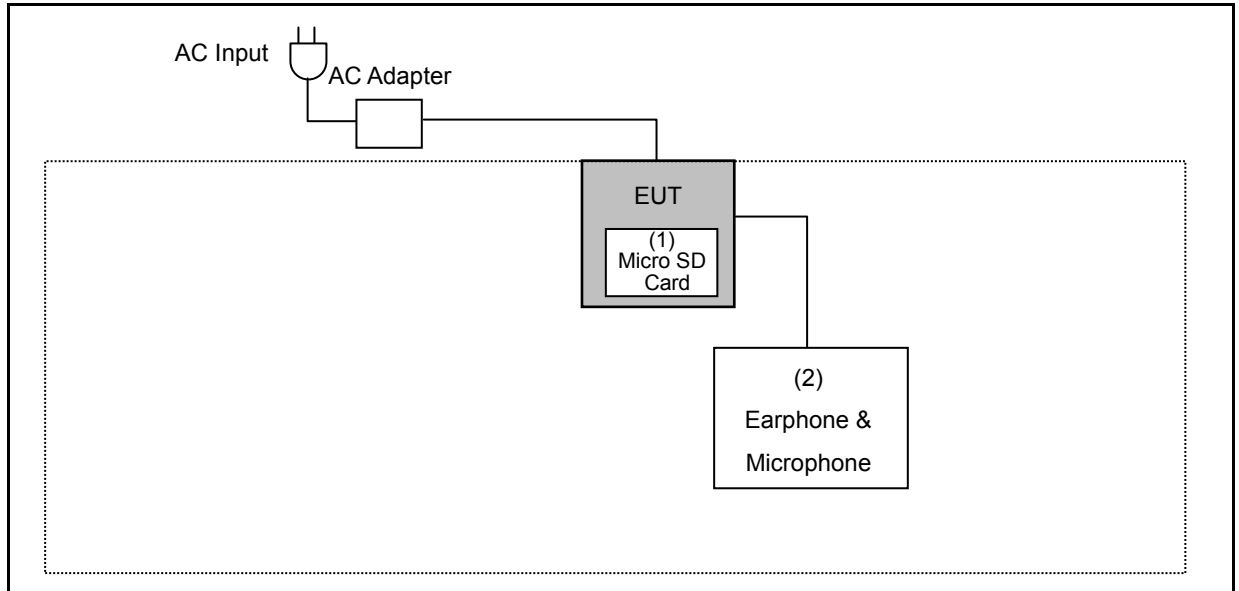
3.2. EUT Test Step

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.

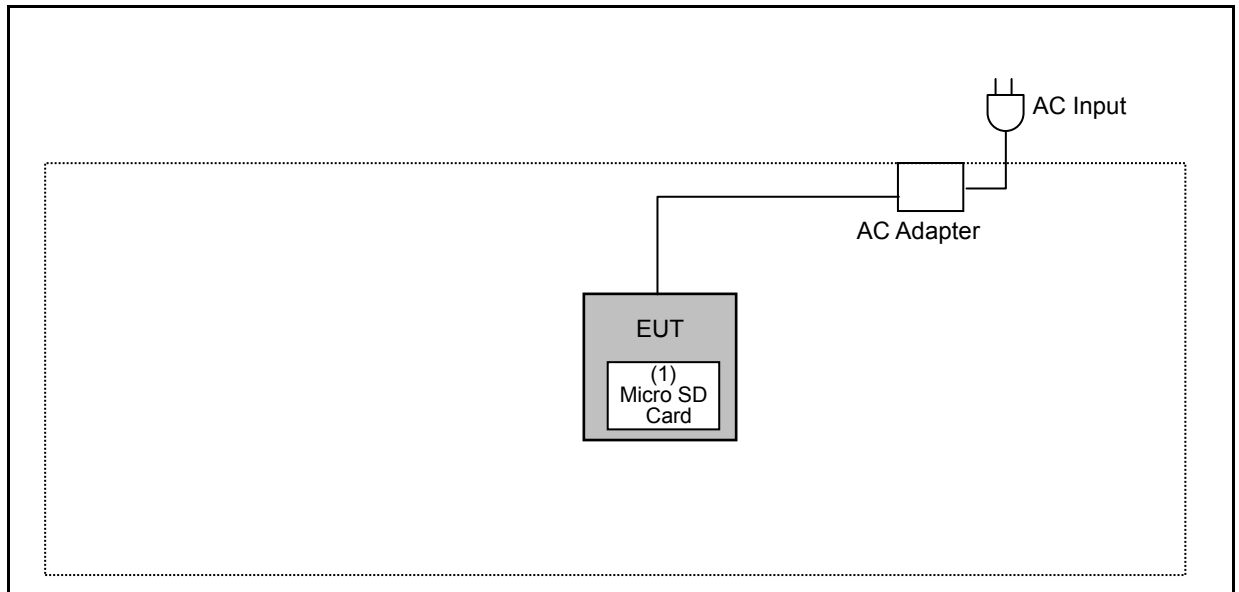
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Micro SD Card	Transcend	9153BA 8G 07DS1	---	---
(2)	Earphone & Microphone	HUAWEI	22040296	---	---



3.4. Test Instruments

For Conducted Emission

Test Period: Apr. 07, 2020

Testing Engineer: Andy Lu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/23/2019	1 year
LISN	R&S	ENV216	101041	03/23/2020	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/23/2019	1 year

For Radiated Emissions

Test Period: Mar. 25 ~ Mar. 26, 2020

Testing Engineer: Js.Liao

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/13/2020	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	416	10/23/2019	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/29/2019	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2020	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 3000	170814	10/29/2019	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2020	1 year

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



For Conducted

Test Period: Mar. 26 ~ Apr. 06, 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
Barometric pressure (mbar)	860-1060	990-1005

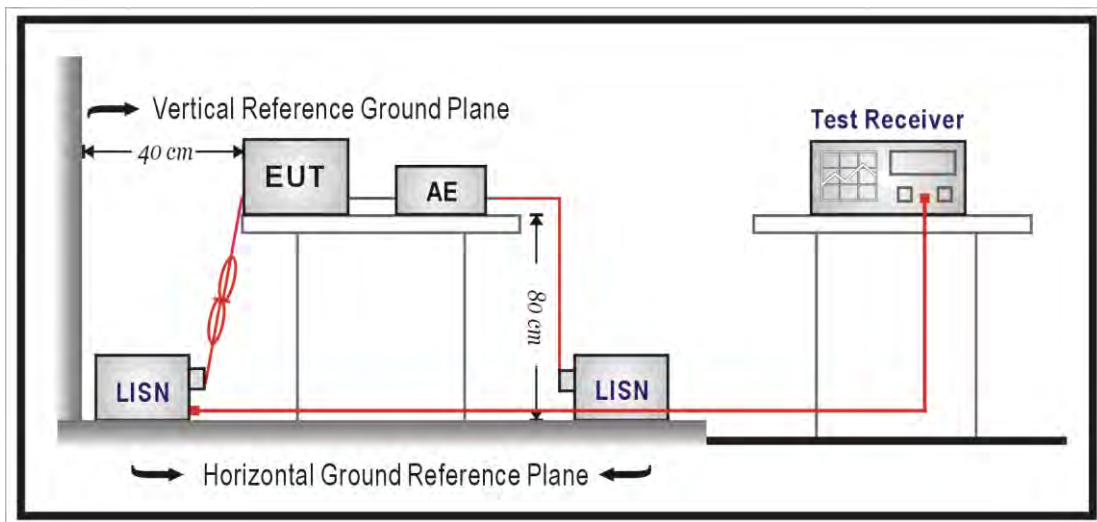
4 Measurement Procedure

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 $50\ \Omega$ ports of the LISN shall be resistively terminated into $50\ \Omega$ 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

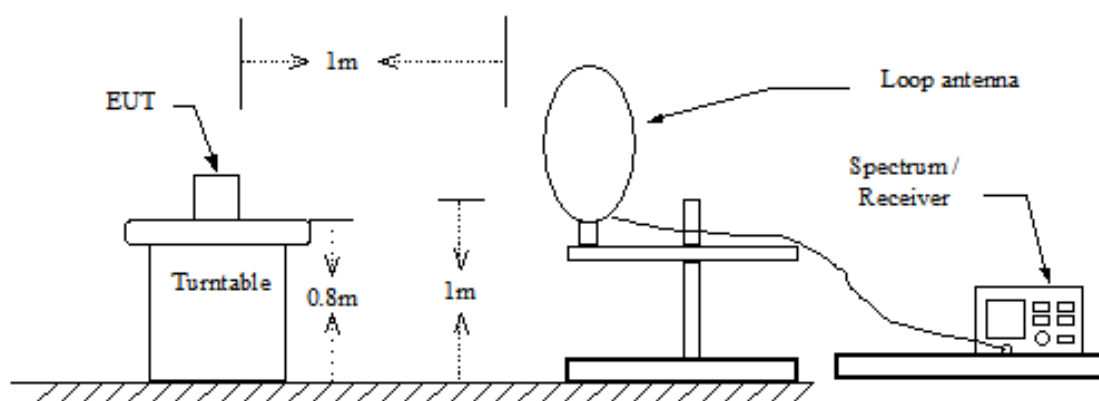
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

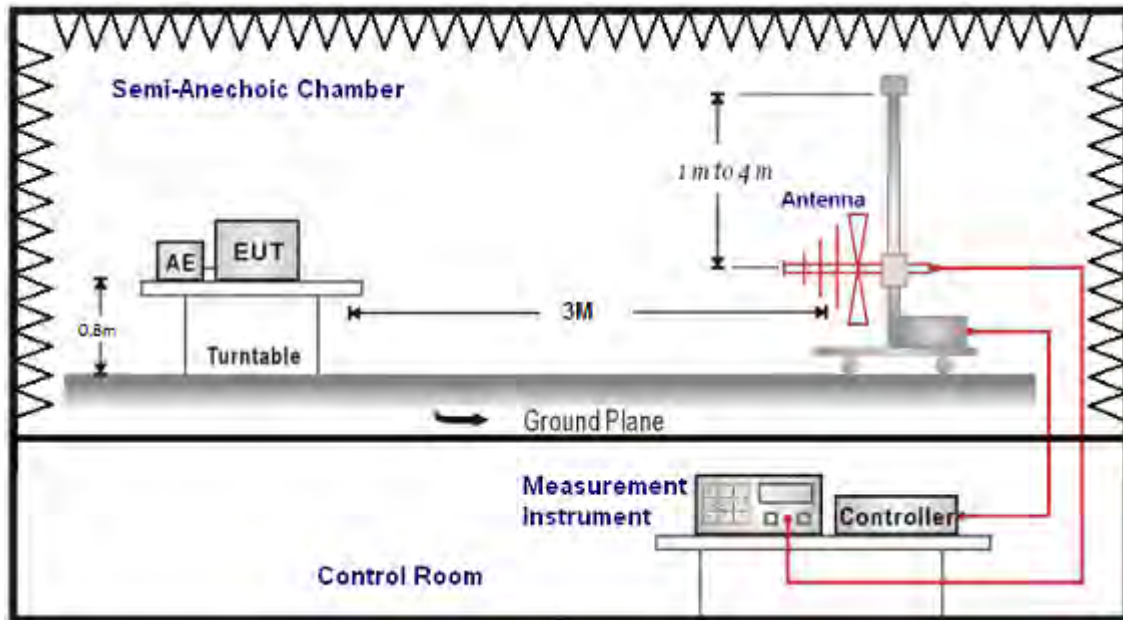
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

■ Setup

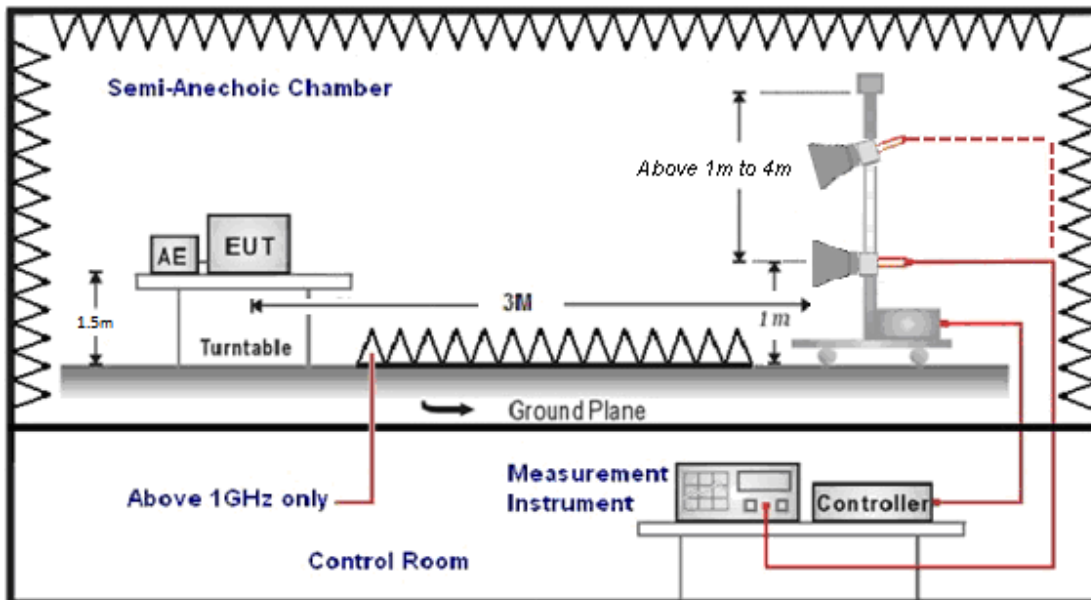
9 kHz ~ 30 MHz



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 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.

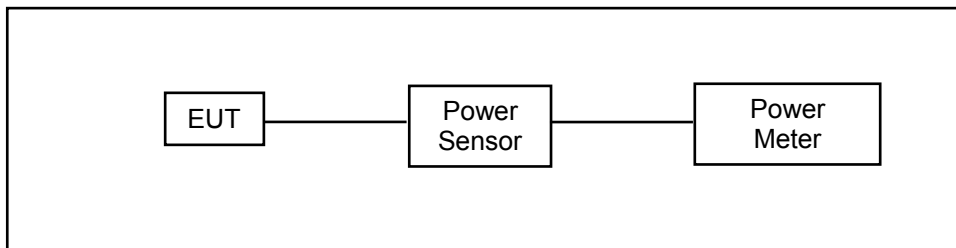
CCD mode :

$$\text{Directional Gain} = G_{\text{ANT}} = 10 \cdot \log\{[10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_n/10}] / N_{\text{ANT}}\} = 0.99 \text{ dBi} < 6 \text{ dBi}$$

MIMO mode :

$$\text{Directional Gain} = 10 \cdot \log\{[10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_n/20}]^2 / N_{\text{ANT}}\} = 4 \text{ dBi} < 6 \text{ dBi}$$

■ Test Setup



■ Test Procedure

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

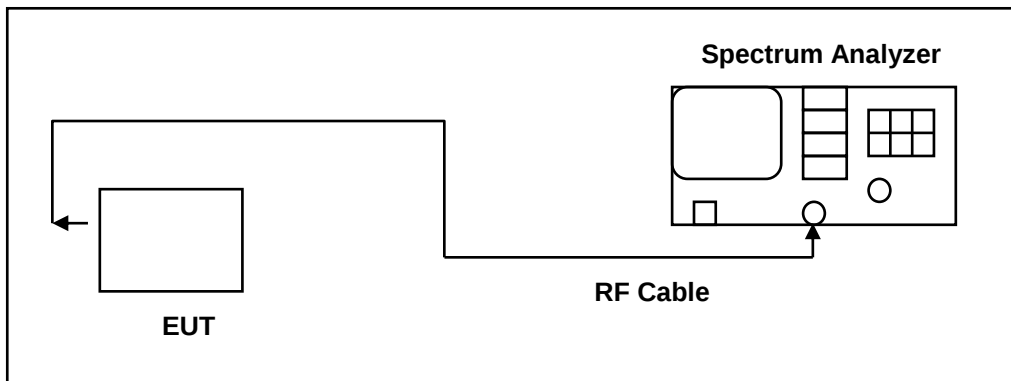
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

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

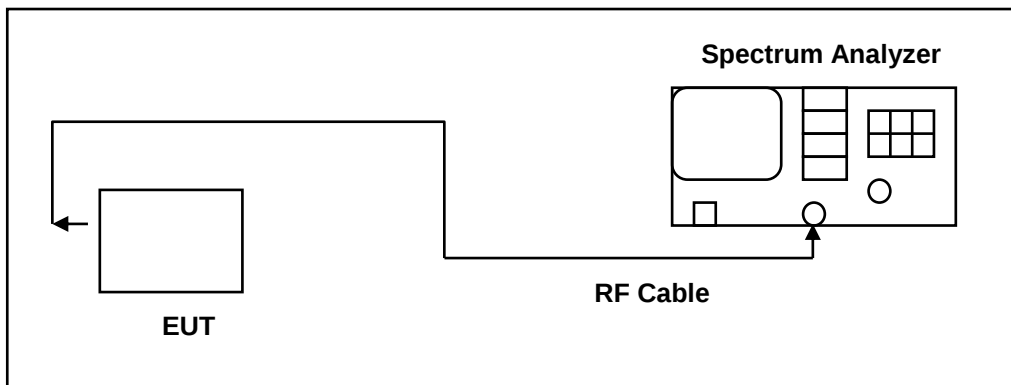
■ Limit

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.

CDD/MIMO mode :

$$\text{Directional Gain} = 10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / N_{ANT}\} = 4 \text{ dBi} < 6 \text{ dBi}$$

■ 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.

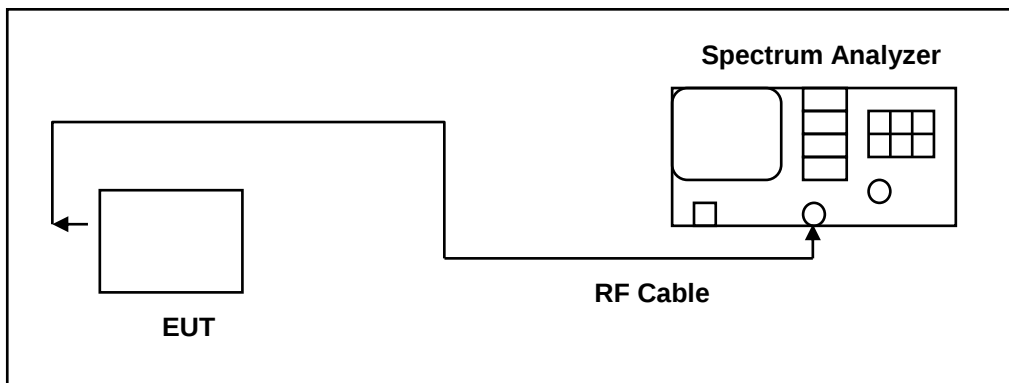
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
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 20 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 20 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

For Maximum Conducted Output Power

Operate Freq. Band	Directional Gain (dBi)
IEEE 802.11b	0.99
IEEE 802.11g	0.99
IEEE 802.11n 2.4 GHz 20 MHz	4
IEEE 802.11n 2.4 GHz 40 MHz	4

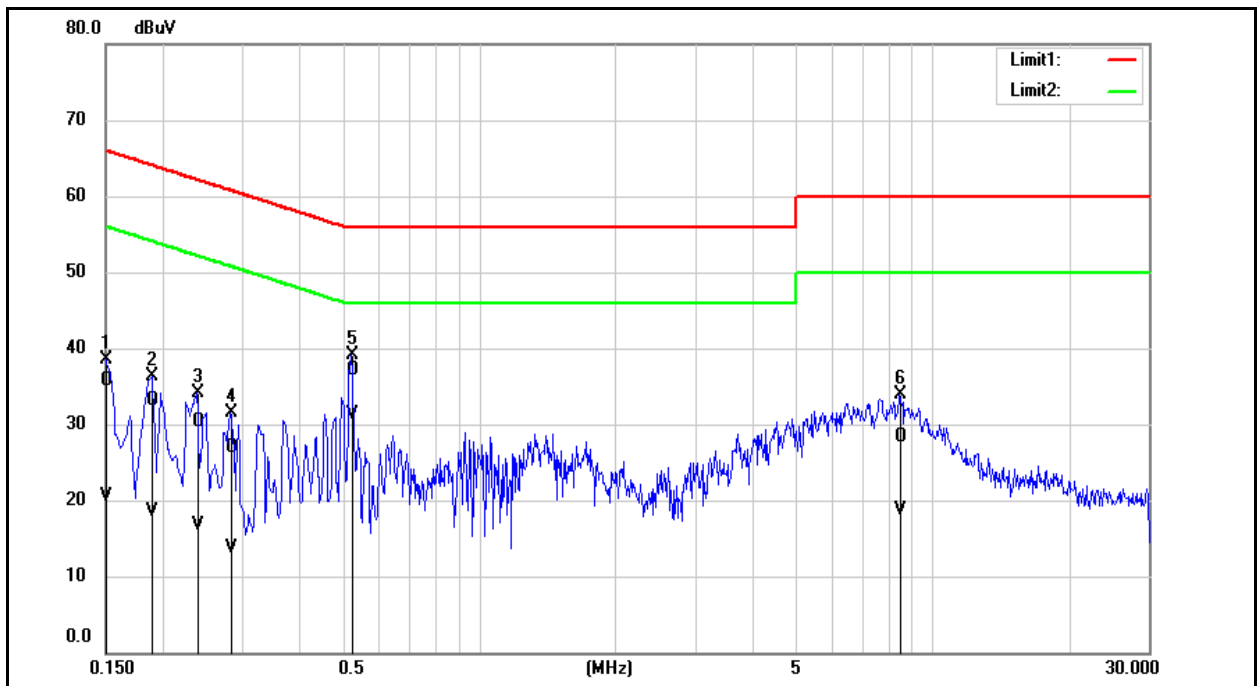
For Maximum Power Density

Operate Freq. Band	Directional Gain (dBi)
IEEE 802.11b	4
IEEE 802.11g	4
IEEE 802.11n 2.4 GHz 20 MHz	4
IEEE 802.11n 2.4 GHz 40 MHz	4

5 Test Results

Annex A. Conducted Emission

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

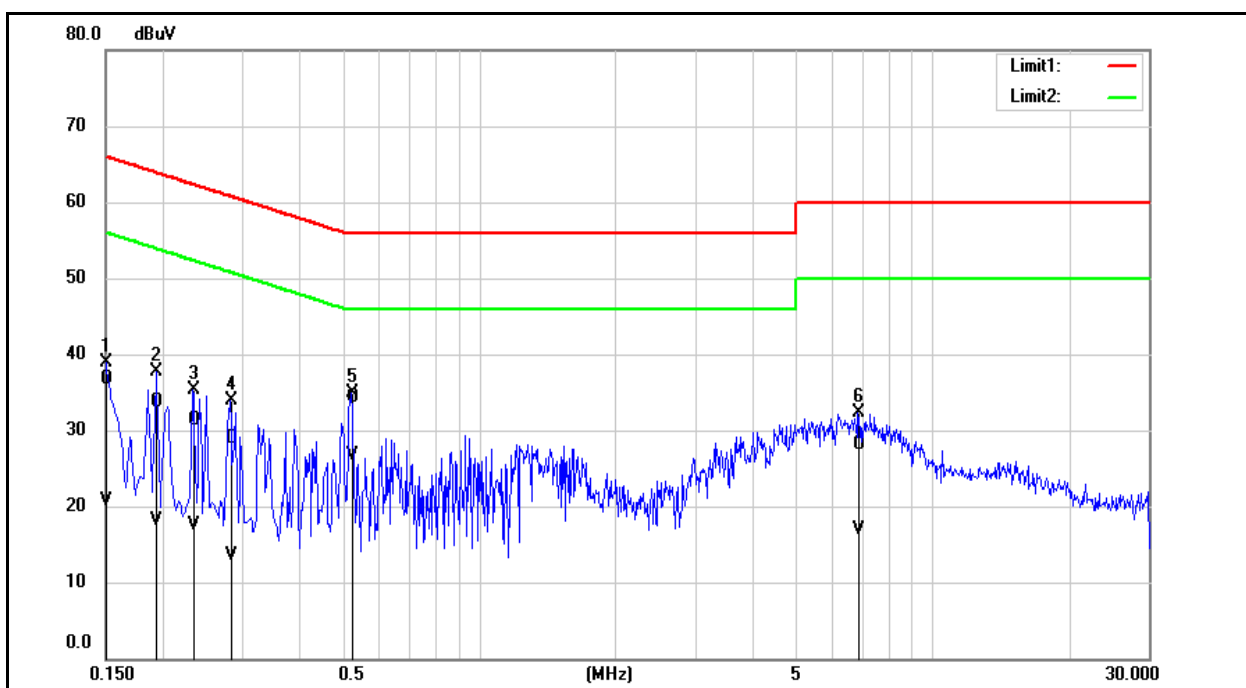


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	26.07	10.82	9.65	35.72	20.47	66.00	56.00	-30.28	-35.53	Pass
2	0.1900	23.44	8.94	9.64	33.08	18.58	64.04	54.04	-30.96	-35.46	Pass
3	0.2380	20.69	7.03	9.64	30.33	16.67	62.17	52.17	-31.84	-35.50	Pass
4	0.2820	17.30	4.01	9.65	26.95	13.66	60.76	50.76	-33.81	-37.10	Pass
5	0.5220	27.47	21.70	9.66	37.13	31.36	56.00	46.00	-18.87	-14.64	Pass
6	8.4620	18.52	8.87	9.86	28.38	18.73	60.00	50.00	-31.62	-31.27	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	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	26.98	11.08	9.68	36.66	20.76	66.00	56.00	-29.34	-35.24	Pass
2	0.1940	24.05	8.50	9.67	33.72	18.17	63.86	53.86	-30.14	-35.69	Pass
3	0.2340	21.59	7.79	9.67	31.26	17.46	62.31	52.31	-31.05	-34.85	Pass
4	0.2820	19.29	3.86	9.68	28.97	13.54	60.76	50.76	-31.79	-37.22	Pass
5	0.5220	24.64	17.06	9.69	34.33	26.75	56.00	46.00	-21.67	-19.25	Pass
6	6.8620	18.23	7.04	9.88	28.11	16.92	60.00	50.00	-31.89	-33.08	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		Peak Output Power		
			Measurement Results		Measurement Results		Limit
			dBm	W	dBm	W	dBm
Mode 2	2412	1 M	17.71	0.059	20.13	0.103	≤ 30
	2437		17.39	0.055	19.93	0.098	≤ 30
	2462		17.69	0.059	20.06	0.101	≤ 30
Mode 3	2412	6 M	15.68	0.037	19.51	0.089	≤ 30
	2437		15.64	0.037	19.49	0.089	≤ 30
	2462		15.62	0.036	19.48	0.089	≤ 30
Mode 4	2412	13 M	14.98	0.031	18.94	0.078	≤ 30
	2437		15.59	0.036	19.48	0.089	≤ 30
	2462		15.65	0.037	19.54	0.090	≤ 30
Mode 5	2422	27 M	12.71	0.019	17.95	0.062	≤ 30
	2437		15.51	0.036	20.54	0.113	≤ 30
	2452		12.19	0.017	17.52	0.056	≤ 30

ANT-1							
Test Mode	Frequency (MHz)	Data Rate	Average Output Power		Peak Output Power		
			Measurement Results		Measurement Results		Limit
			dBm	W	dBm	W	dBm
Mode 2	2412	1 M	17.82	0.061	20.51	0.112	≤ 30
	2437		17.22	0.053	19.91	0.098	≤ 30
	2462		17.42	0.055	20.13	0.103	≤ 30
Mode 3	2412	6 M	15.82	0.038	20.02	0.100	≤ 30
	2437		15.71	0.037	19.92	0.098	≤ 30
	2462		15.58	0.036	19.64	0.092	≤ 30
Mode 4	2412	13 M	15.07	0.032	19.38	0.087	≤ 30
	2437		15.55	0.036	19.71	0.094	≤ 30
	2462		15.42	0.035	19.42	0.087	≤ 30
Mode 5	2422	27 M	12.73	0.019	18.01	0.063	≤ 30
	2437		15.58	0.036	20.71	0.118	≤ 30
	2452		12.11	0.016	17.45	0.056	≤ 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		Peak Output Power		
			Measurement Results		Measurement Results		Limit
			dBm	W	dBm	W	dBm
Mode 2	2412	1 M	20.78	0.120	23.33	0.215	≤ 30
	2437		20.32	0.108	22.93	0.196	≤ 30
	2462		20.57	0.114	23.11	0.204	≤ 30
Mode 3	2412	6 M	18.76	0.075	22.78	0.190	≤ 30
	2437		18.69	0.074	22.72	0.187	≤ 30
	2462		18.61	0.073	22.57	0.181	≤ 30
Mode 4	2412	13 M	18.04	0.064	22.18	0.165	≤ 30
	2437		18.58	0.072	22.61	0.182	≤ 30
	2462		18.55	0.072	22.49	0.177	≤ 30
Mode 5	2422	27 M	15.73	0.037	20.99	0.126	≤ 30
	2437		18.56	0.072	23.64	0.231	≤ 30
	2452		15.16	0.033	20.50	0.112	≤ 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	8553	≥ 500
	2437	7591	≥ 500
	2462	7613	≥ 500
Mode 3	2412	15822	≥ 500
	2437	15752	≥ 500
	2462	15765	≥ 500
Mode 4	2412	16650	≥ 500
	2437	15724	≥ 500
	2462	15494	≥ 500
Mode 5	2422	35214	≥ 500
	2437	35179	≥ 500
	2452	35803	≥ 500

ANT-1			
Test Mode	Frequency (MHz)	Measurement (kHz)	Limit (kHz)
Mode 2	2412	7140	≥ 500
	2437	7105	≥ 500
	2462	7575	≥ 500
Mode 3	2412	16029	≥ 500
	2437	15683	≥ 500
	2462	15899	≥ 500
Mode 4	2412	16317	≥ 500
	2437	16348	≥ 500
	2462	15752	≥ 500
Mode 5	2422	35936	≥ 500
	2437	35167	≥ 500
	2452	36376	≥ 500

Test Graphs

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.41200000 GHz Span 40 MHz Occupied Bandwidth: 13.7504 MHz Total Power: 13.22 dBm Transmit Freq Error: 76.7693 kHz x dB Bandwidth: 8.553 MHz
CH06	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Span 40 MHz Occupied Bandwidth: 13.0260 MHz Total Power: 13.13 dBm Transmit Freq Error: -49.1652 kHz x dB Bandwidth: 7.591 MHz
CH11	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.46200000 GHz Span 40 MHz Occupied Bandwidth: 13.4093 MHz Total Power: 13.09 dBm Transmit Freq Error: -109.8489 kHz x dB Bandwidth: 7.613 MHz

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01



CH06



CH11



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

CH01



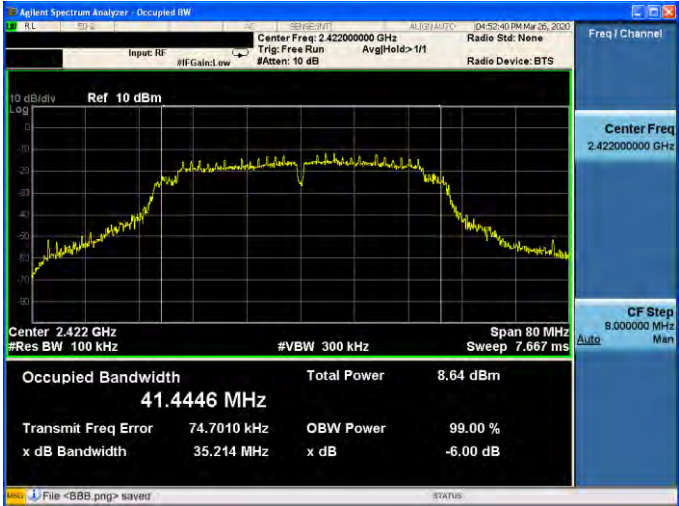
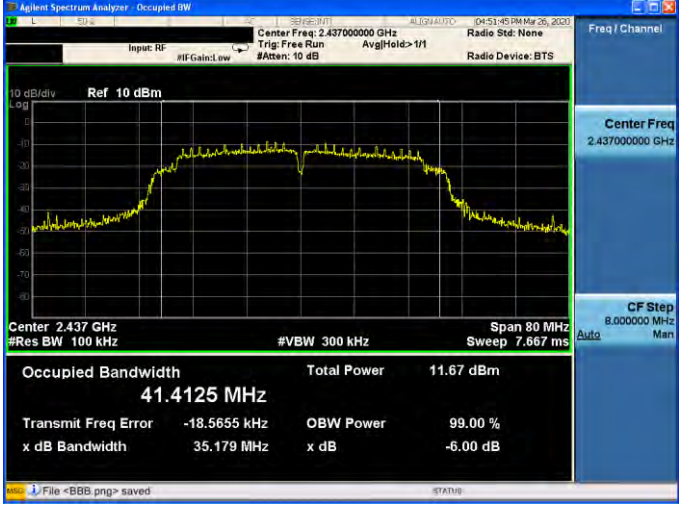
CH06



CH11



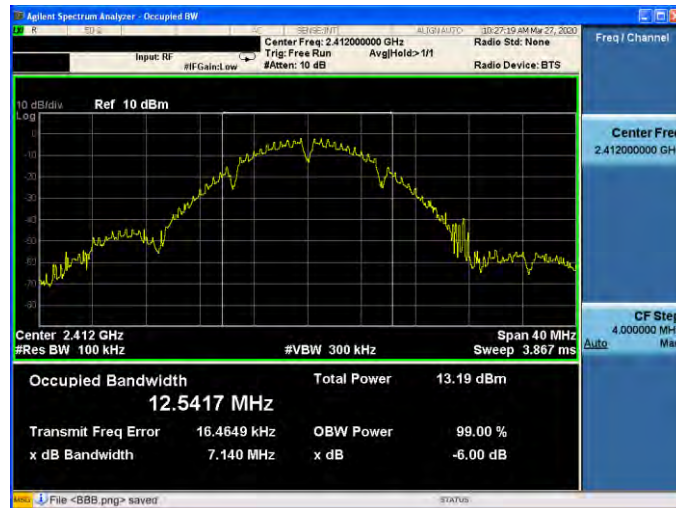
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

CH03	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.42200000 GHz Trig: Free Run #Att: 10 dB Avg/Hold: 1/1 Radio Device: BTS Ref 10 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.4446 MHz Total Power 8.64 dBm Transmit Freq Error 74.7010 kHz OBW Power 99.00 % x dB Bandwidth 35.214 MHz x dB -6.00 dB File <BBB.png> saved
CH06	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Trig: Free Run #Att: 10 dB Avg/Hold: 1/1 Radio Device: BTS Ref 10 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.4125 MHz Total Power 11.67 dBm Transmit Freq Error -18.5655 kHz OBW Power 99.00 % x dB Bandwidth 35.179 MHz x dB -6.00 dB File <BBB.png> saved
CH09	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.45200000 GHz Trig: Free Run #Att: 10 dB Avg/Hold: 1/1 Radio Device: BTS Ref 10 dBm Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.9838 MHz Total Power 8.19 dBm Transmit Freq Error -281.1719 kHz OBW Power 99.00 % x dB Bandwidth 35.803 MHz x dB -6.00 dB File <BBB.png> saved

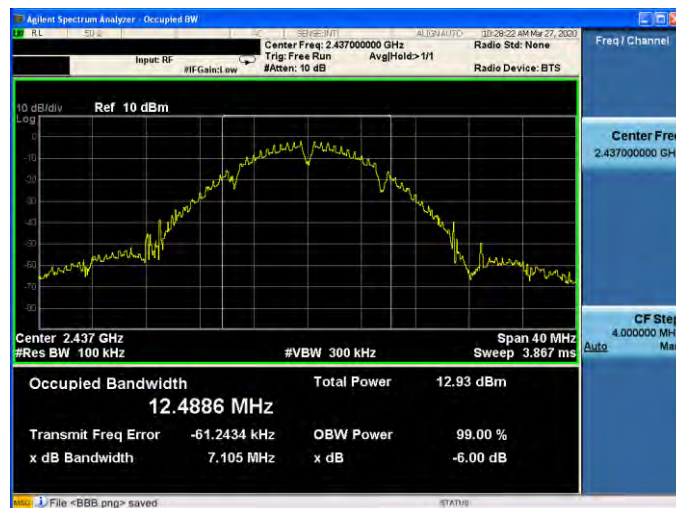


Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1

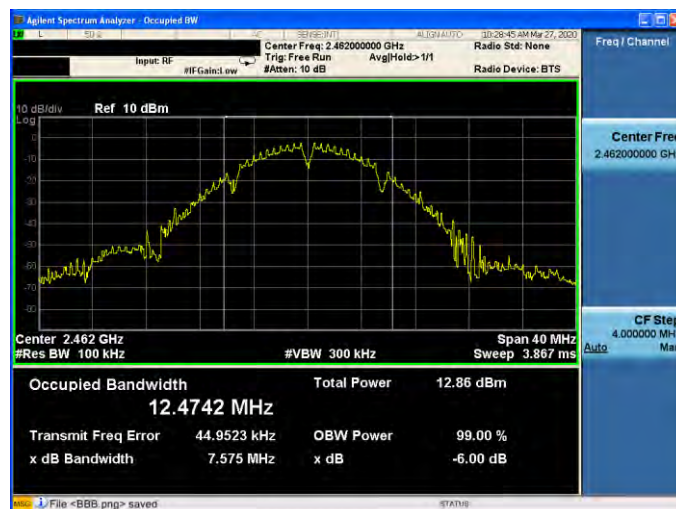
CH01



CH06



CH11



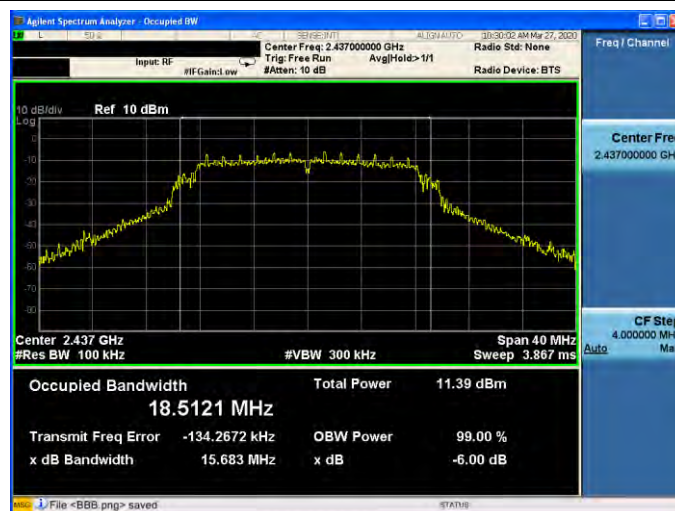


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

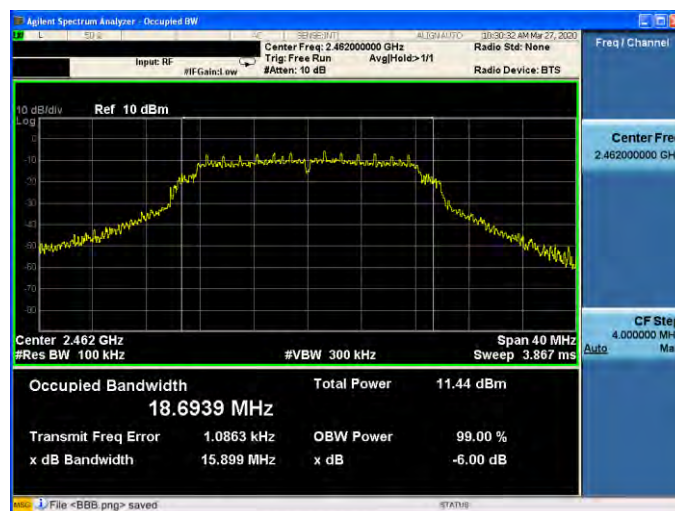
CH01



CH06



CH11



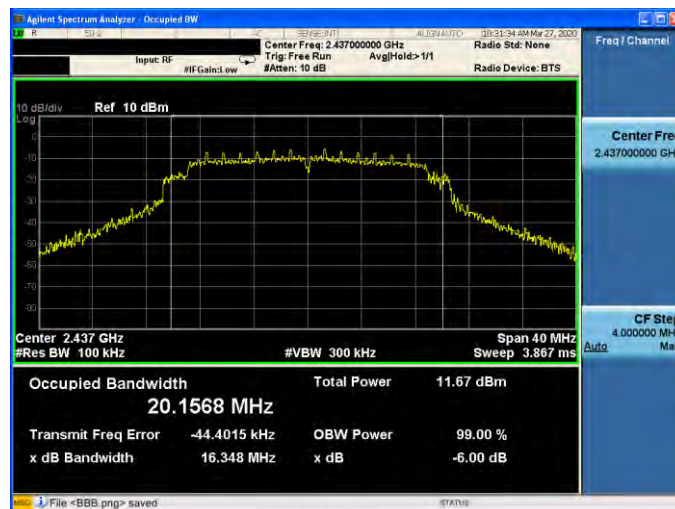


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

CH01



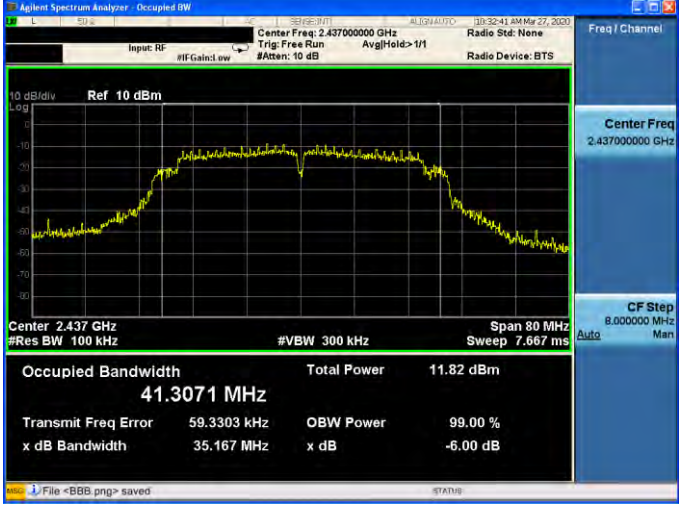
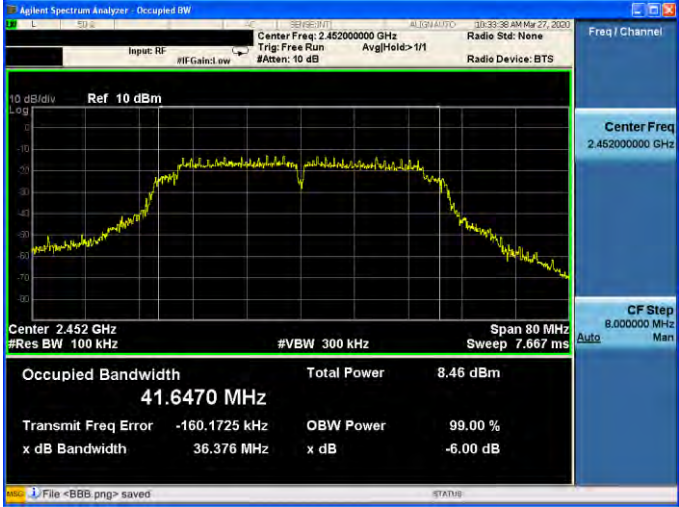
CH06



CH11



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

CH03	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.42200000 GHz Trig: Free Run #Attenu: 10 dB Radio Device: BTS Ref 10 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.5165 MHz Total Power 8.91 dBm Transmit Freq Error 14.1282 kHz OBW Power 99.00 % x dB Bandwidth 35.936 MHz x dB -6.00 dB File <BBB.png> saved
CH06	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Trig: Free Run #Attenu: 10 dB Radio Device: BTS Ref 10 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.3071 MHz Total Power 11.82 dBm Transmit Freq Error 59.3303 kHz OBW Power 99.00 % x dB Bandwidth 35.167 MHz x dB -6.00 dB File <BBB.png> saved
CH09	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.45200000 GHz Trig: Free Run #Attenu: 10 dB Radio Device: BTS Ref 10 dBm Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms Occupied Bandwidth 41.6470 MHz Total Power 8.46 dBm Transmit Freq Error -160.1725 kHz OBW Power 99.00 % x dB Bandwidth 36.376 MHz x dB -6.00 dB File <BBB.png> saved

Maximum Power Spectral Density Measurement

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 2	2412	-4.762	≤ 8
	2437	-5.660	≤ 8
	2462	-5.165	≤ 8
Mode 3	2412	-10.199	≤ 8
	2437	-10.351	≤ 8
	2462	-9.716	≤ 8
Mode 4	2412	-11.703	≤ 8
	2437	-10.456	≤ 8
	2462	-11.393	≤ 8
Mode 5	2422	-16.676	≤ 8
	2437	-13.933	≤ 8
	2452	-17.284	≤ 8

ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 2	2412	-5.409	≤ 8
	2437	-5.600	≤ 8
	2462	-5.527	≤ 8
Mode 3	2412	-10.262	≤ 8
	2437	-9.678	≤ 8
	2462	-8.229	≤ 8
Mode 4	2412	-10.377	≤ 8
	2437	-10.902	≤ 8
	2462	-10.848	≤ 8
Mode 5	2422	-16.545	≤ 8
	2437	-13.241	≤ 8
	2452	-16.714	≤ 8



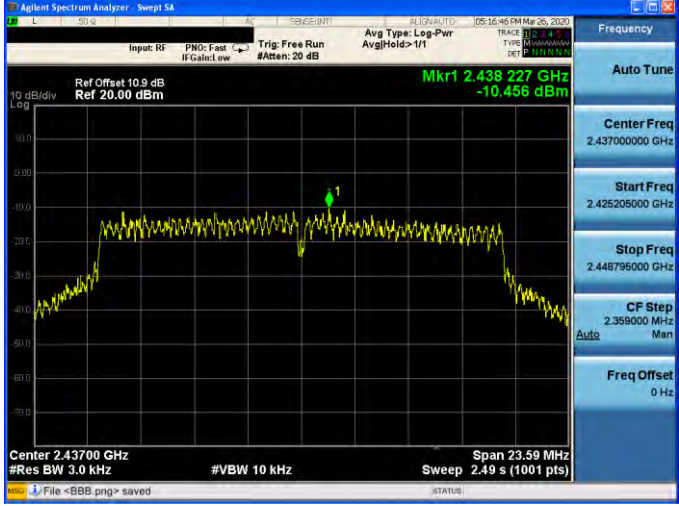
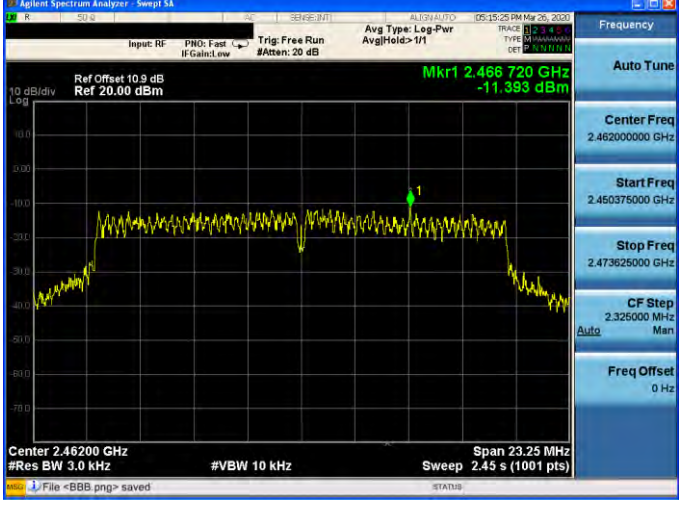
ANT-0+1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 2	2412	-2.063	≤ 8
	2437	-2.620	≤ 8
	2462	-2.332	≤ 8
Mode 3	2412	-7.220	≤ 8
	2437	-6.991	≤ 8
	2462	-5.899	≤ 8
Mode 4	2412	-7.979	≤ 8
	2437	-7.663	≤ 8
	2462	-8.102	≤ 8
Mode 5	2422	-13.600	≤ 8
	2437	-10.563	≤ 8
	2452	-13.979	≤ 8

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

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

CH01	
CH06	
CH11	

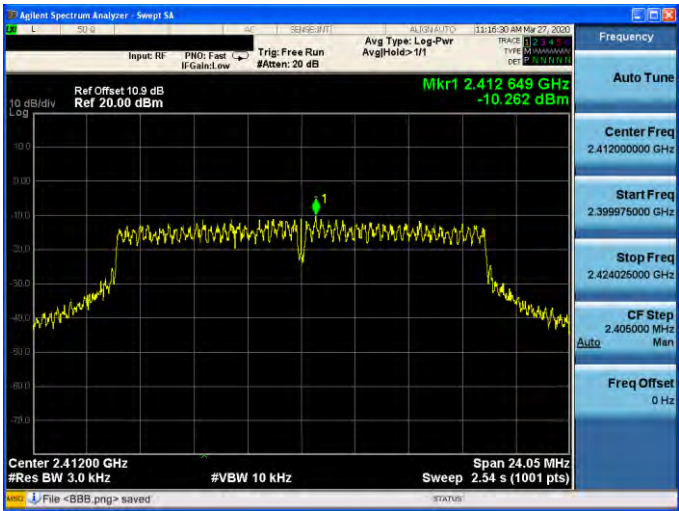
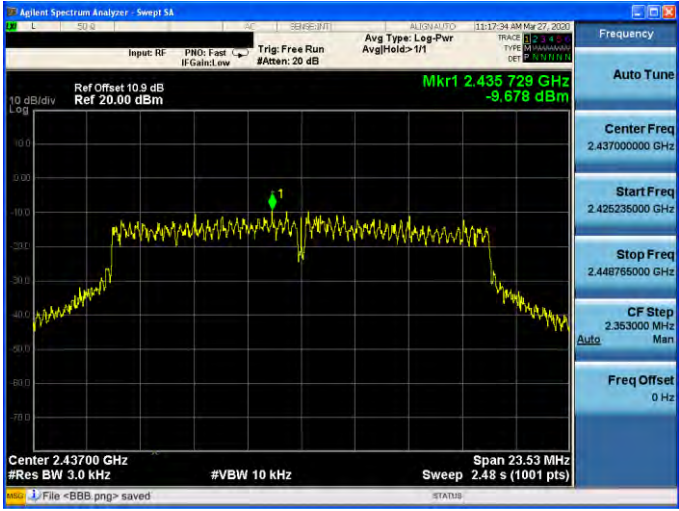
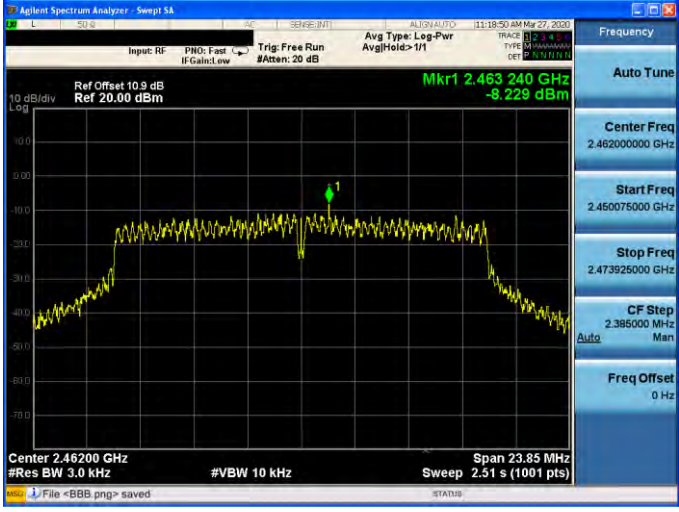


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

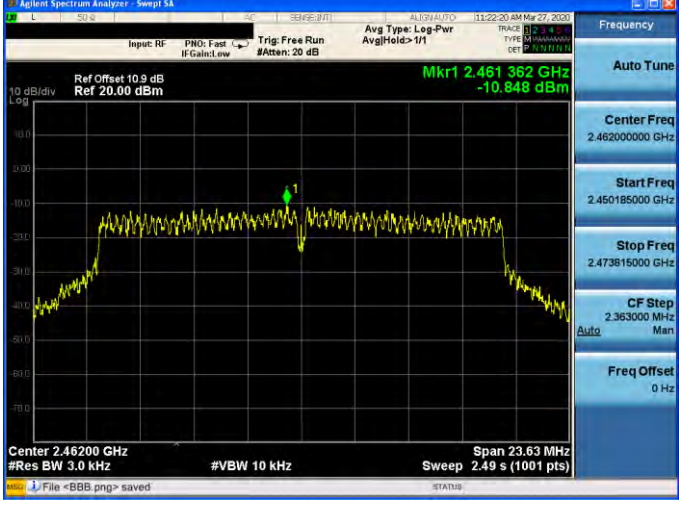
CH03	
CH06	
CH09	

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

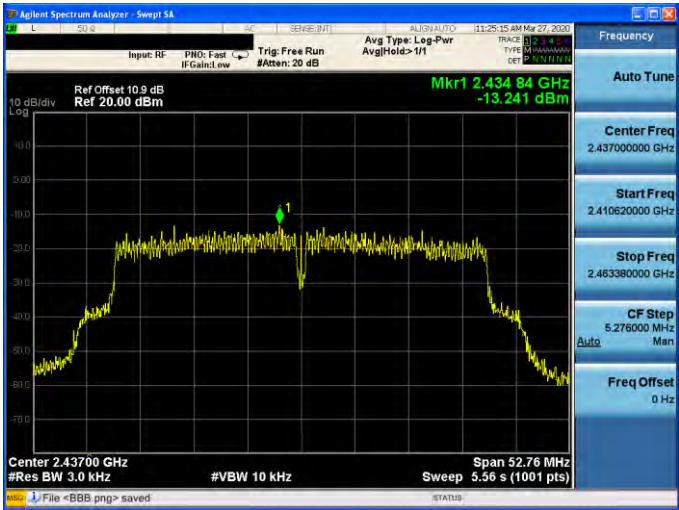
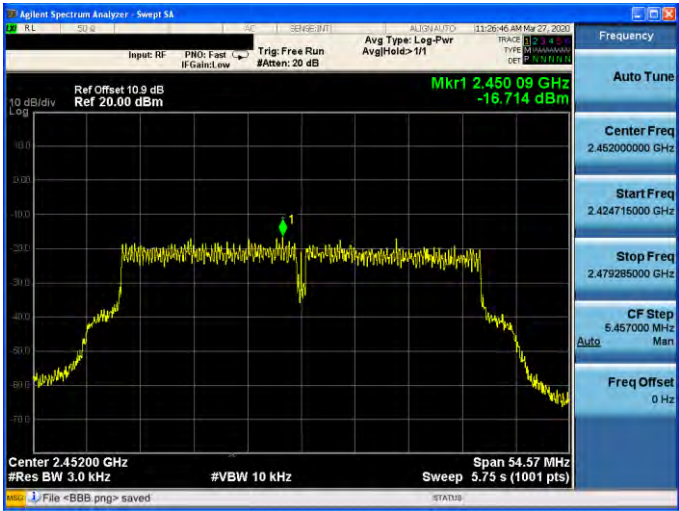


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

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

CH01	 Agilent Spectrum Analyzer - Swept SA Input RF: PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.416113 GHz -10.377 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 24.48 MHz Sweep 2.58 s (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq 2.399780000 GHz Stop Freq 2.424240000 GHz CF Step 2.448000 MHz Man Freq Offset 0 Hz
CH06	 Agilent Spectrum Analyzer - Swept SA Input RF: PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.435749 GHz -10.902 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 24.53 MHz Sweep 2.59 s (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.424735000 GHz Stop Freq 2.449265000 GHz CF Step 2.453000 MHz Man Freq Offset 0 Hz
CH11	 Agilent Spectrum Analyzer - Swept SA Input RF: PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.461362 GHz -10.848 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 23.63 MHz Sweep 2.49 s (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.450185000 GHz Stop Freq 2.473815000 GHz CF Step 2.363000 MHz Man Freq Offset 0 Hz



Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	
CH06	
CH09	

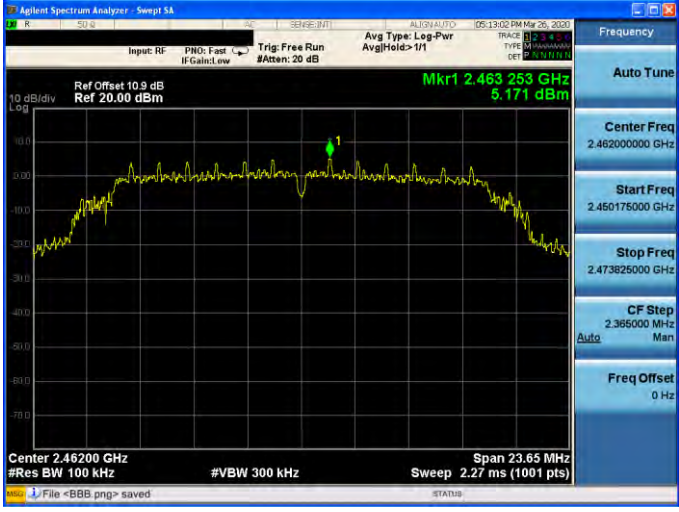
Out of Band Conducted Emissions Measurement

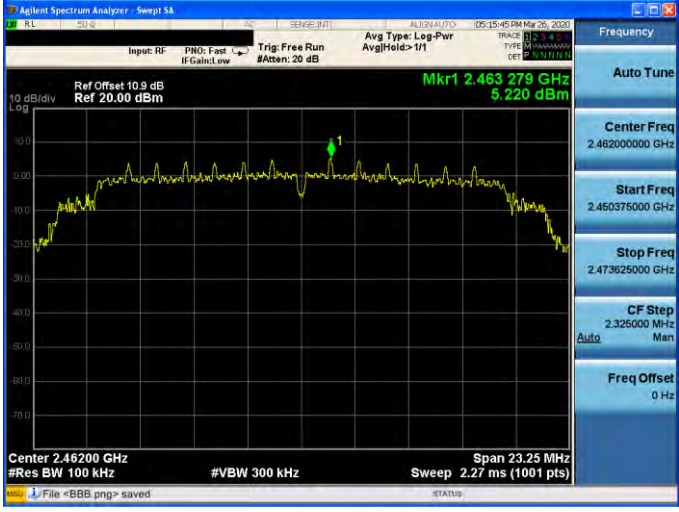
■ Test Graphs

Reference level

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

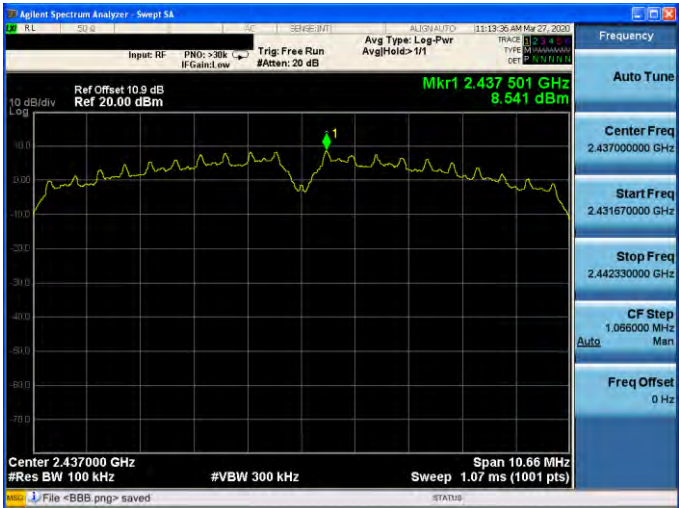


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.413 249 GHz 4.917 dBm Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.40 ms (1001 pts) Span 24.98 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.399510000 GHz Stop Freq 2.424490000 GHz CF Step 2.498000 MHz Man Freq Offset 0 Hz
CH06	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.438 274 GHz 5.376 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.27 ms (1001 pts) Span 23.59 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.425205000 GHz Stop Freq 2.448795000 GHz CF Step 2.359000 MHz Man Freq Offset 0 Hz
CH11	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.463 279 GHz 5.220 dBm Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.27 ms (1001 pts) Span 23.25 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.462000000 GHz Start Freq 2.460375000 GHz Stop Freq 2.473625000 GHz CF Step 2.325000 MHz Man Freq Offset 0 Hz

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

CH03	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Leg-Pwr #Att: 20 dB Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.42575 GHz -0.854 dBm Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.83 MHz Sweep 5.07 ms (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq 2.395585000 GHz Stop Freq 2.448415000 GHz CF Step 5.283000 MHz Auto Man Freq Offset 0 Hz
CH06	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Leg-Pwr #Att: 20 dB Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.43199 GHz 1.765 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.77 MHz Sweep 5.07 ms (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.410515000 GHz Stop Freq 2.463385000 GHz CF Step 5.277000 MHz Auto Man Freq Offset 0 Hz
CH09	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Leg-Pwr #Att: 20 dB Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.44700 GHz -2.026 dBm Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 53.71 MHz Sweep 5.13 ms (1001 pts) File <BBB.png> saved Frequency Auto Tune Center Freq 2.45200000 GHz Start Freq 2.425145000 GHz Stop Freq 2.478855000 GHz CF Step 5.371000 MHz Auto Man Freq Offset 0 Hz

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

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

CH01	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset: 10.9 dB Ref 20.00 dBm Mkr1 2.413 273 GHz 4.980 dBm Center 2.41200 GHz #Res BW 100 kHz Span 24.48 MHz Sweep 2.40 ms (1001 pts) #VBW 300 kHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.399780000 GHz Stop Freq 2.424240000 GHz CF Step 2.448000 MHz Man Freq Offset 0 Hz
CH06	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset: 10.9 dB Ref 20.00 dBm Mkr1 2.438 251 GHz 5.150 dBm Center 2.43700 GHz #Res BW 100 kHz Span 24.53 MHz Sweep 2.40 ms (1001 pts) #VBW 300 kHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.424735000 GHz Stop Freq 2.449265000 GHz CF Step 2.453000 MHz Man Freq Offset 0 Hz
CH11	 Agilent Spectrum Analyzer - Swept SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg Hold: 1/1 Ref Offset: 10.9 dB Ref 20.00 dBm Mkr1 2.463 252 GHz 5.347 dBm Center 2.46200 GHz #Res BW 100 kHz Span 23.63 MHz Sweep 2.27 ms (1001 pts) #VBW 300 kHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.462000000 GHz Start Freq 2.450185000 GHz Stop Freq 2.473815000 GHz CF Step 2.363000 MHz Man Freq Offset 0 Hz



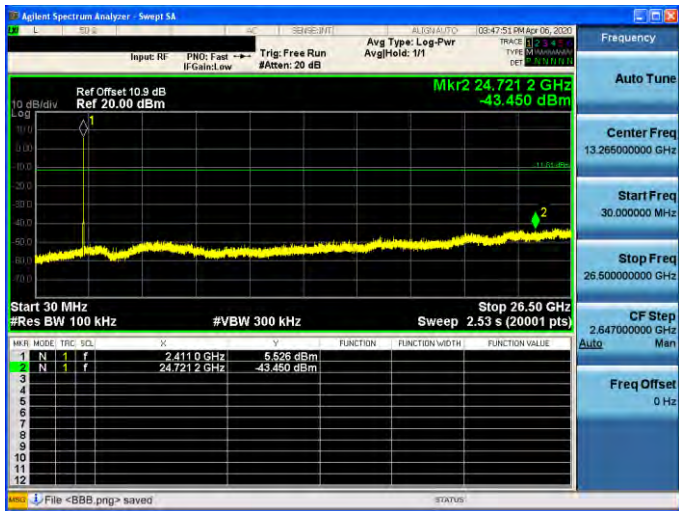
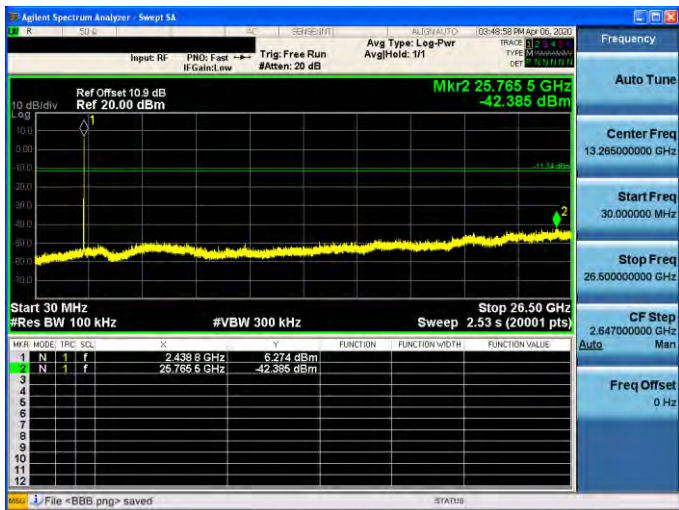
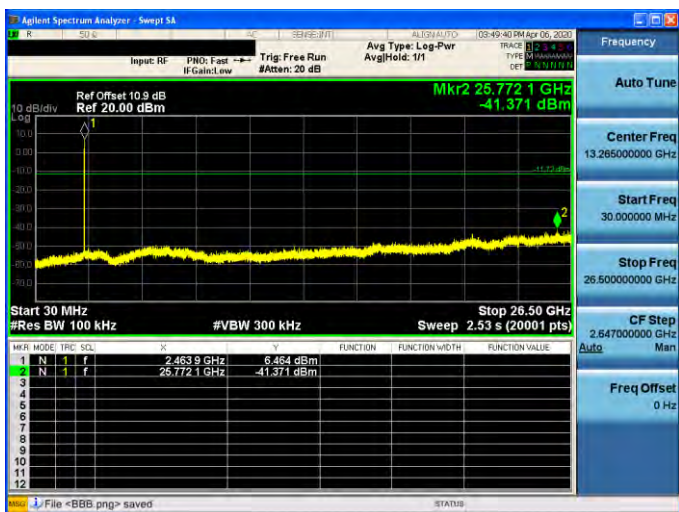
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

CH03	
CH06	
CH09	



Out of Band Conducted Emissions

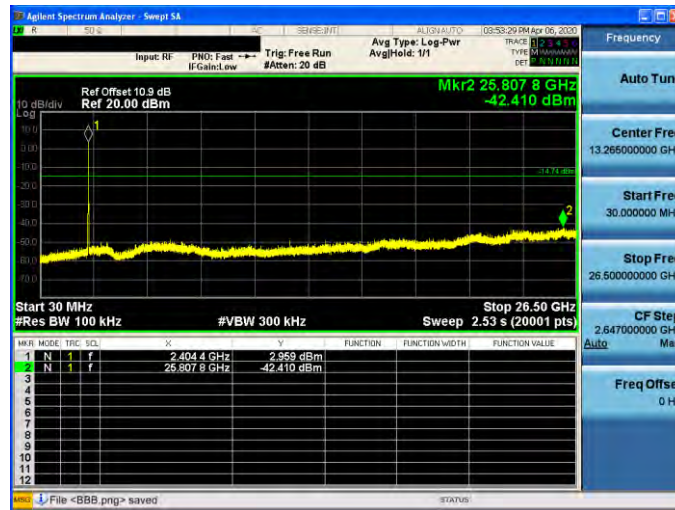
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01	 <table><tr><th>PKR</th><th>MODE</th><th>FREQ</th><th>SQL</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>24.721 2 GHz</td><td>5.526 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>24.721 2 GHz</td><td>-43.450 dBm</td><td></td><td></td><td></td></tr></table>	PKR	MODE	FREQ	SQL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	24.721 2 GHz	5.526 dBm				2	N	24.721 2 GHz	-43.450 dBm			
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CH06	 <table><tr><th>PKR</th><th>MODE</th><th>FREQ</th><th>SQL</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>25.765 5 GHz</td><td>6.274 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>25.765 5 GHz</td><td>-42.385 dBm</td><td></td><td></td><td></td></tr></table>	PKR	MODE	FREQ	SQL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	25.765 5 GHz	6.274 dBm				2	N	25.765 5 GHz	-42.385 dBm			
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CH11	 <table><tr><th>PKR</th><th>MODE</th><th>FREQ</th><th>SQL</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>25.772 1 GHz</td><td>6.484 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>25.772 1 GHz</td><td>-41.371 dBm</td><td></td><td></td><td></td></tr></table>	PKR	MODE	FREQ	SQL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	25.772 1 GHz	6.484 dBm				2	N	25.772 1 GHz	-41.371 dBm			
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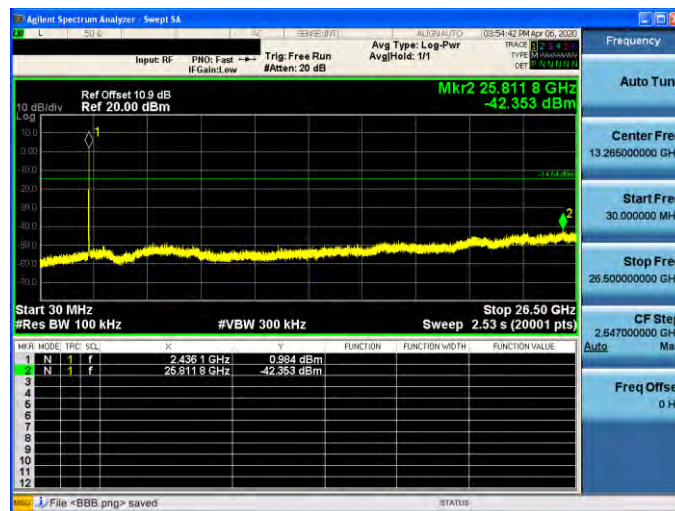


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

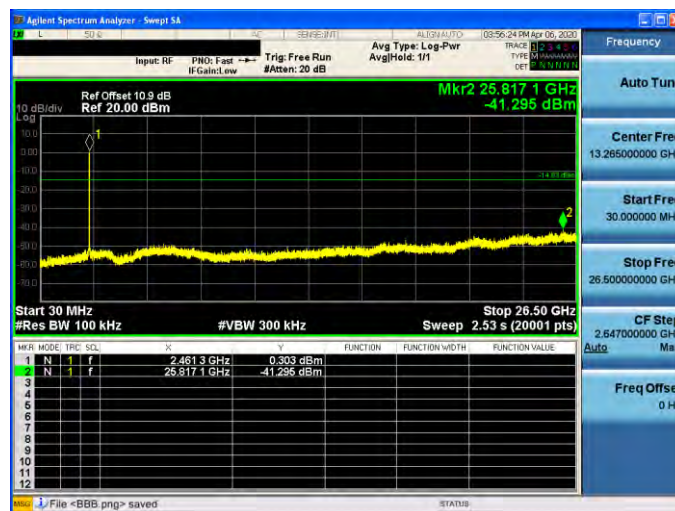
CH01



CH06



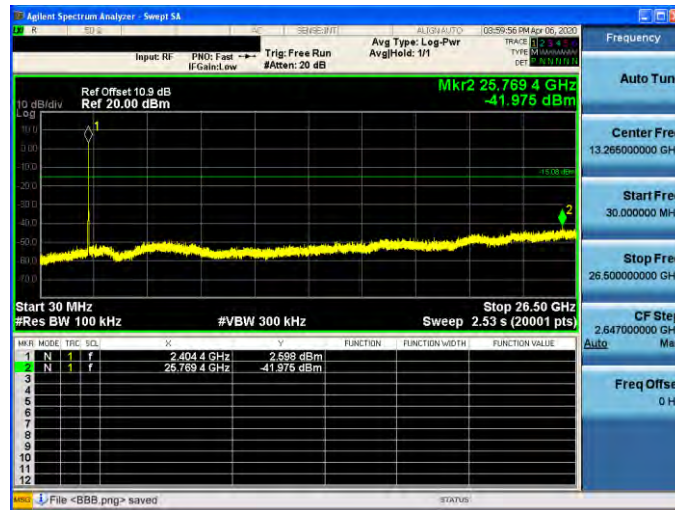
CH11



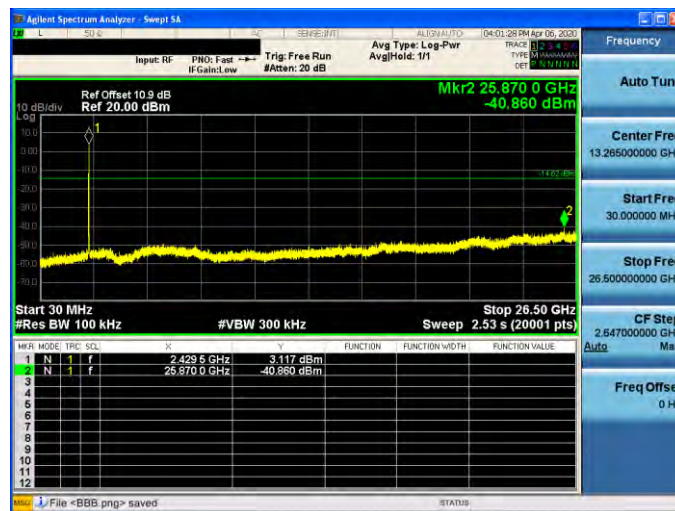


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

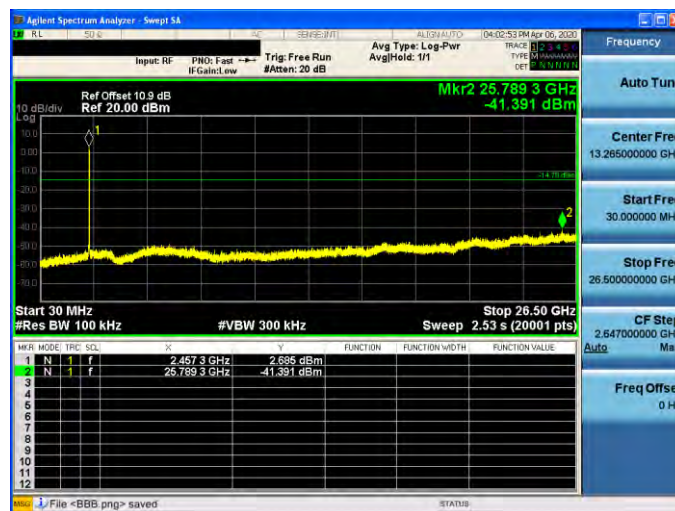
CH01



CH06



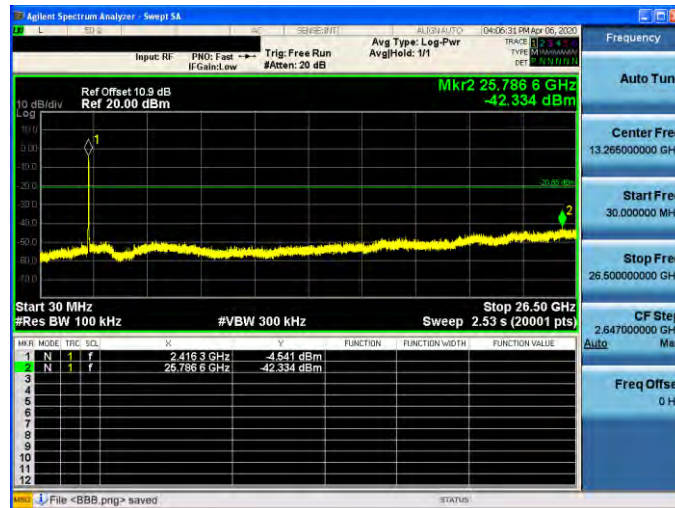
CH11



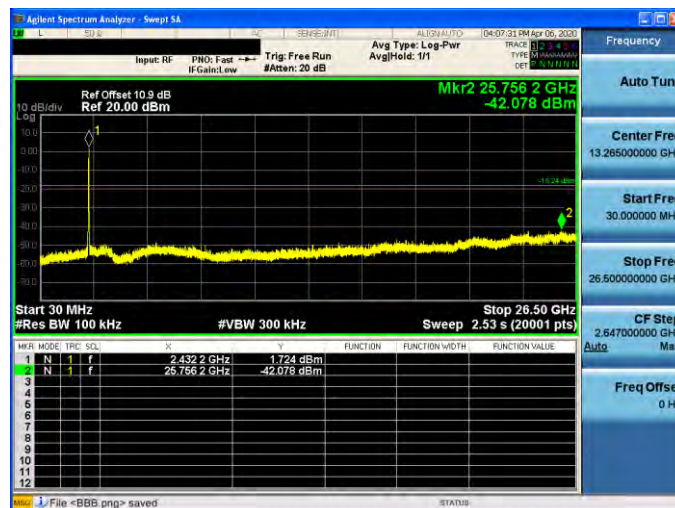


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

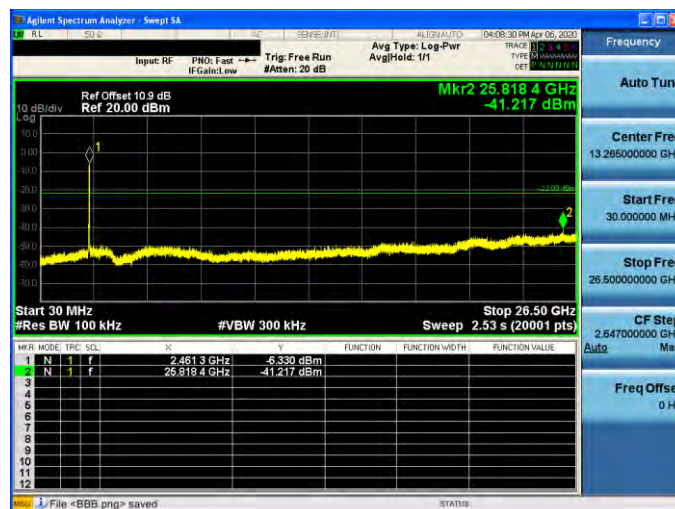
CH03



CH06

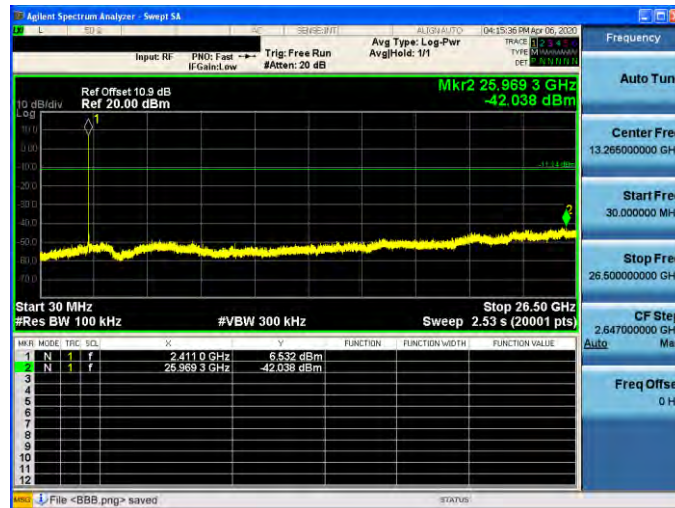


CH09

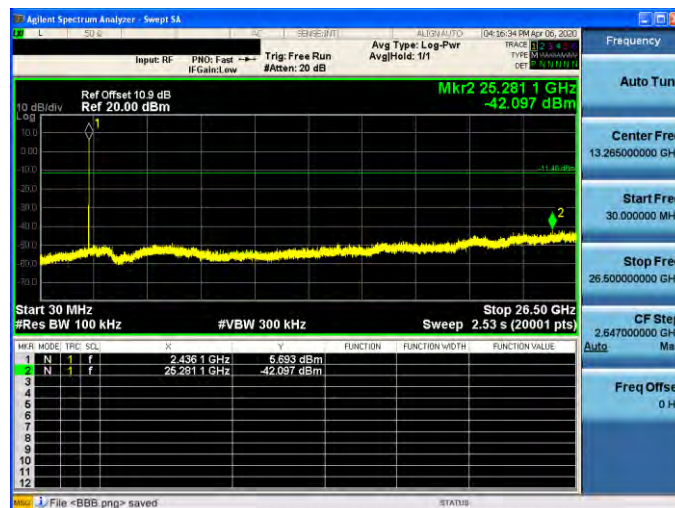


Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1

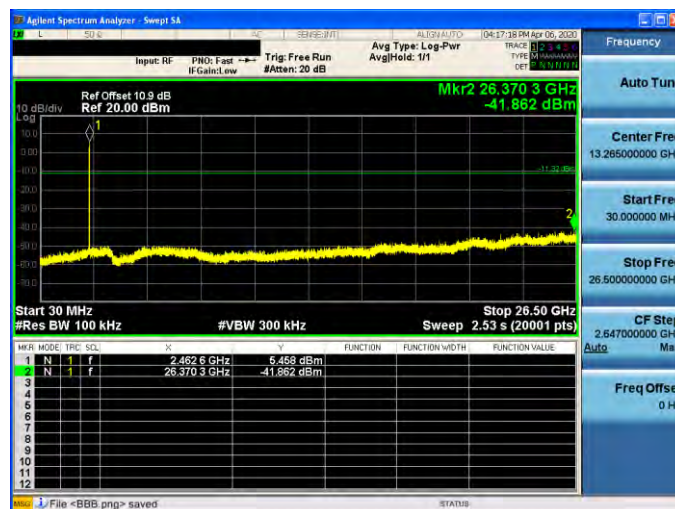
CH01



CH06



CH11

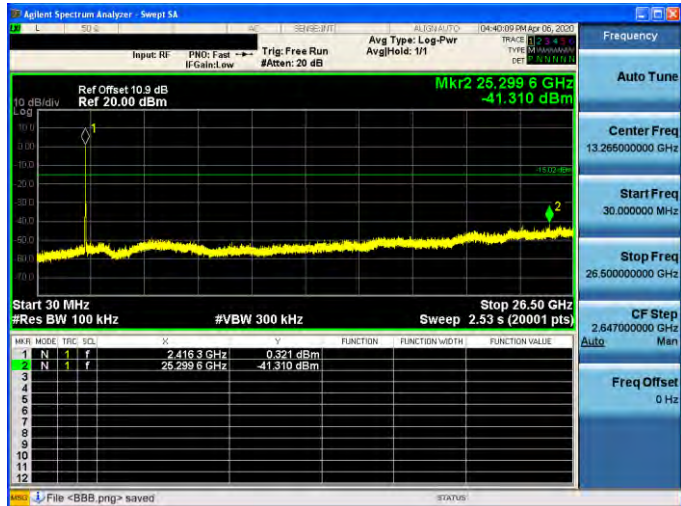
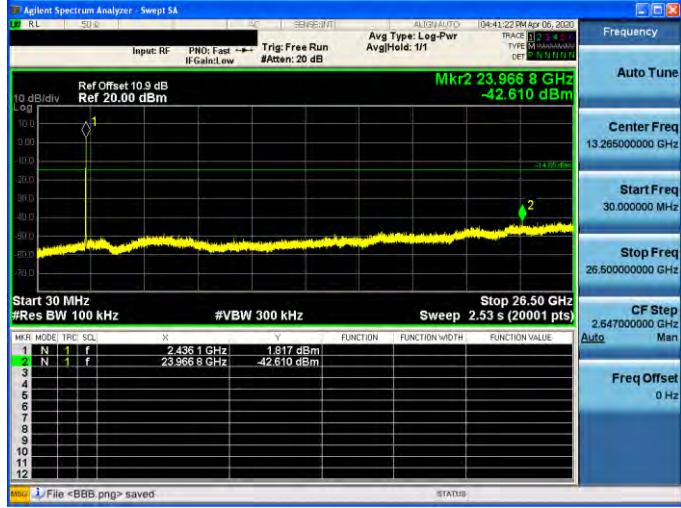
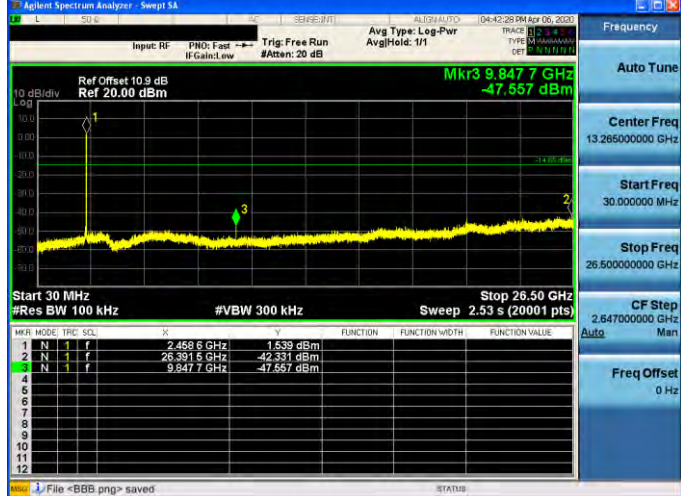




Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01	Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr3 9.647 4 GHz -47.106 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>Scl</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.411 0 GHz</td><td>3.745 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>26.777 4 GHz</td><td>-41.222 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>9.647 4 GHz</td><td>-47.106 dBm</td><td></td><td></td><td></td></tr></table>	Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value	1	N	1	f	2.411 0 GHz	3.745 dBm				2	N	1	f	26.777 4 GHz	-41.222 dBm				3	N	1	f	9.647 4 GHz	-47.106 dBm			
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2	N	1	f	26.777 4 GHz	-41.222 dBm																																
3	N	1	f	9.647 4 GHz	-47.106 dBm																																
CH06	Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr2 25.883 2 GHz -42.633 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>Scl</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.437 4 GHz</td><td>0.185 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>26.883 2 GHz</td><td>-42.633 dBm</td><td></td><td></td><td></td></tr></table>	Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value	1	N	1	f	2.437 4 GHz	0.185 dBm				2	N	1	f	26.883 2 GHz	-42.633 dBm												
Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value																													
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CH11	Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr2 23.429 5 GHz -42.670 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>Scl</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.463 9 GHz</td><td>-0.333 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>23.429 5 GHz</td><td>-42.670 dBm</td><td></td><td></td><td></td></tr></table>	Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value	1	N	1	f	2.463 9 GHz	-0.333 dBm				2	N	1	f	23.429 5 GHz	-42.670 dBm												
Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value																													
1	N	1	f	2.463 9 GHz	-0.333 dBm																																
2	N	1	f	23.429 5 GHz	-42.670 dBm																																

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

CH01	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr2 25.299 6 GHz -41.310 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2416.3 GHz</td><td>0.321 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>25.299 6 GHz</td><td>-41.310 dBm</td><td></td><td></td><td></td></tr></table> File <BBB.png> saved	MKR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2416.3 GHz	0.321 dBm				2	N	1	f	25.299 6 GHz	-41.310 dBm												
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CH06	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr2 23.966 8 GHz -42.610 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2436.1 GHz</td><td>1.817 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>23.966 8 GHz</td><td>-42.610 dBm</td><td></td><td></td><td></td></tr></table> File <BBB.png> saved	MKR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2436.1 GHz	1.817 dBm				2	N	1	f	23.966 8 GHz	-42.610 dBm												
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CH11	 Agilent Spectrum Analyzer - Sweep SA Input: RF PNO: Fast Trig: Free Run Avg Type: Log-Pwr IF Gain: Low #Atten: 20 dB Avg/Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr3 9.847 7 GHz -47.557 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Sweep 2.53 s (20001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2468.6 GHz</td><td>1.539 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>26.391 6 GHz</td><td>-42.331 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>9.847 7 GHz</td><td>-47.557 dBm</td><td></td><td></td><td></td></tr></table> File <BBB.png> saved	MKR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2468.6 GHz	1.539 dBm				2	N	1	f	26.391 6 GHz	-42.331 dBm				3	N	1	f	9.847 7 GHz	-47.557 dBm			
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Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

CH03	Agilent Spectrum Analyzer - Sweep 5A Input RF: PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: Log-Pwr Avg/Hold: 1/1 Ref Offset: 10.9 dB Ref: 20.00 dBm Mkr2 26.001 0 GHz -41.694 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.53 s (20001 pts) <table><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>Scl</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>26.001 0 GHz</td><td>-41.694 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>26.001 0 GHz</td><td>-41.694 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> File <BBB.png> saved STATUS Frequency Auto Tune Center Freq 13.265000000 GHz Start Freq 30.000000 MHz Stop Freq 26.500000000 GHz CF Step 2.647000000 GHz Man Freq Offset 0 Hz	Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value	1	N	1	f	26.001 0 GHz	-41.694 dBm				2	N	1	f	26.001 0 GHz	-41.694 dBm				3									4									5									6									7									8									9									10									11									12								
Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value																																																																																																														
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1	N	1	f	26.781 3 GHz	-41.702 dBm																																																																																																																	
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CH09	Agilent Spectrum Analyzer - Sweep 5A Input RF: PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB Avg Type: Log-Pwr Avg/Hold: 1/1 Ref Offset: 10.9 dB Ref: 20.00 dBm Mkr2 26.819 7 GHz -42.567 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.53 s (20001 pts) <table><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>Scl</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>26.819 7 GHz</td><td>-42.567 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>26.819 7 GHz</td><td>-42.567 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> File <BBB.png> saved STATUS Frequency Auto Tune Center Freq 13.265000000 GHz Start Freq 30.000000 MHz Stop Freq 26.500000000 GHz CF Step 2.647000000 GHz Man Freq Offset 0 Hz	Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value	1	N	1	f	26.819 7 GHz	-42.567 dBm				2	N	1	f	26.819 7 GHz	-42.567 dBm				3									4									5									6									7									8									9									10									11									12								
Mkr	Mode	Trc	Scl	X	Y	Function	Function Width	Function Value																																																																																																														
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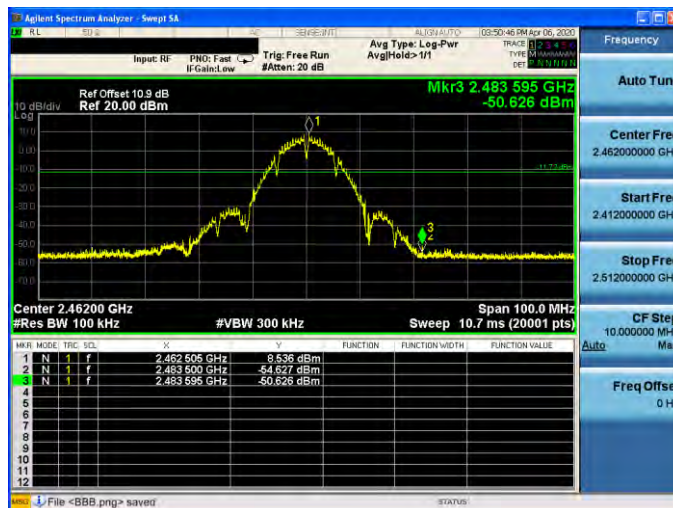
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01



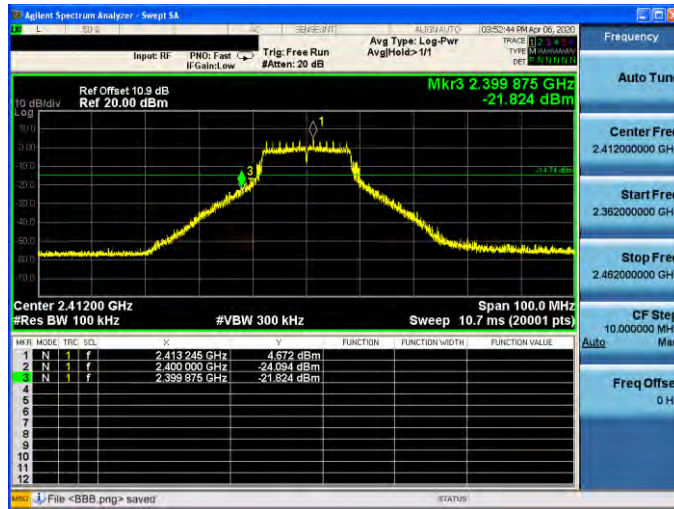
CH11



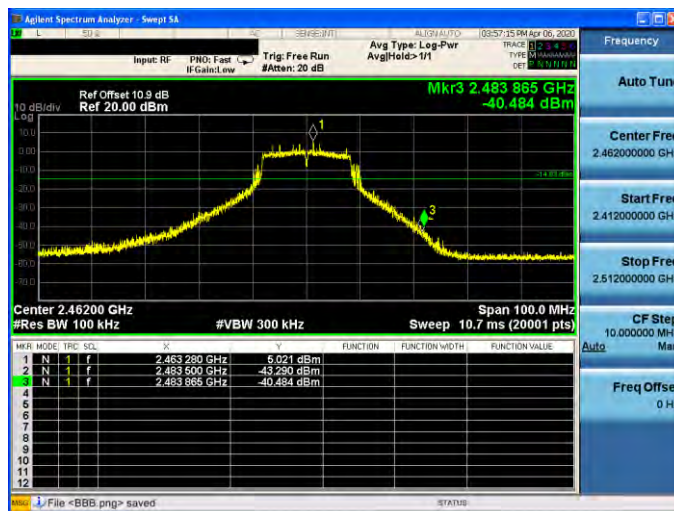


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01

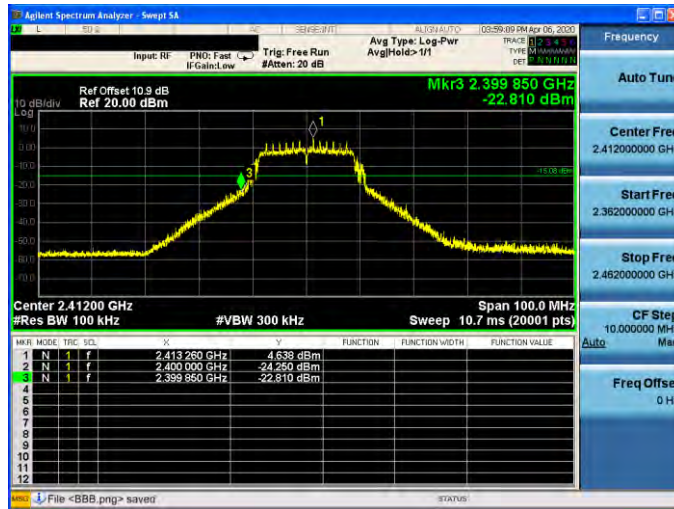


CH11



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

CH01



CH11



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

CH03



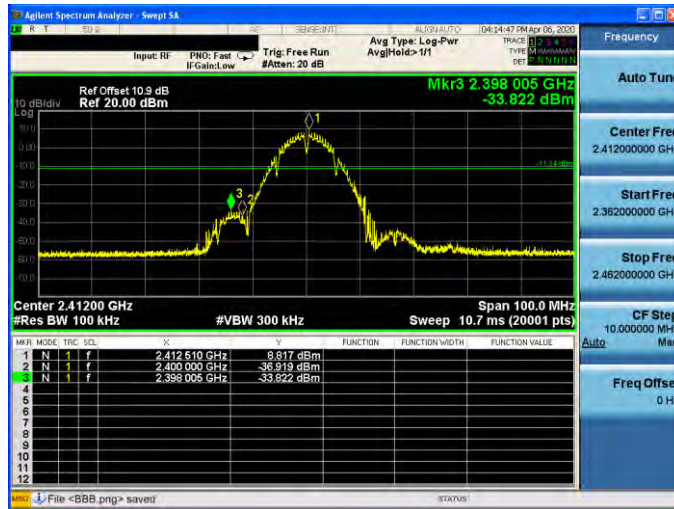
CH09



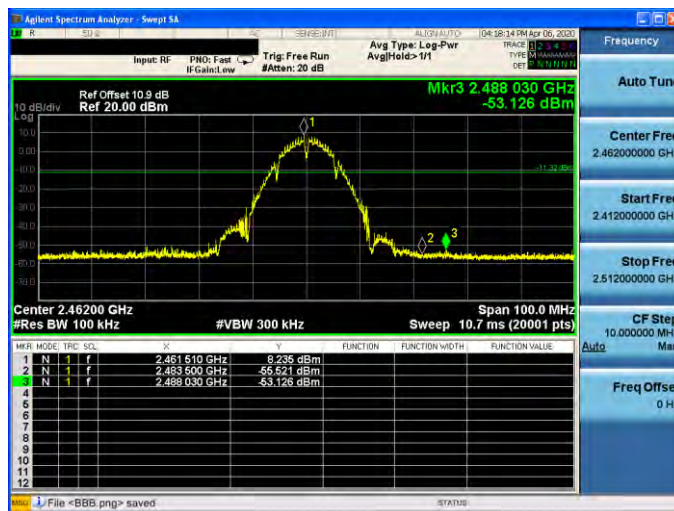


Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1

CH01



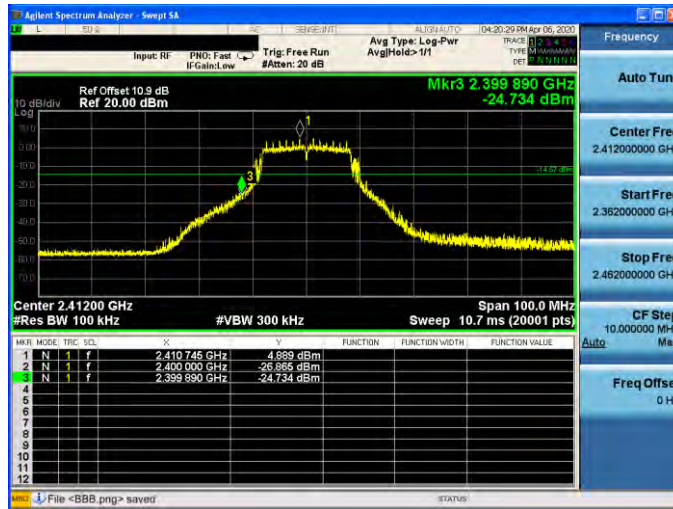
CH11



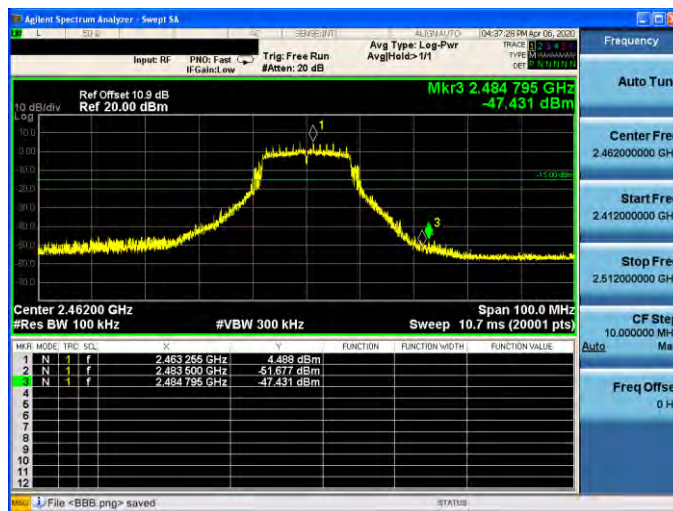


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01

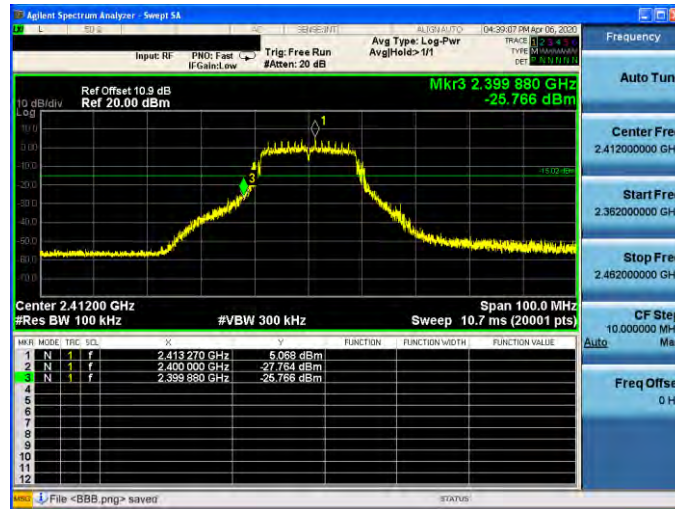


CH11

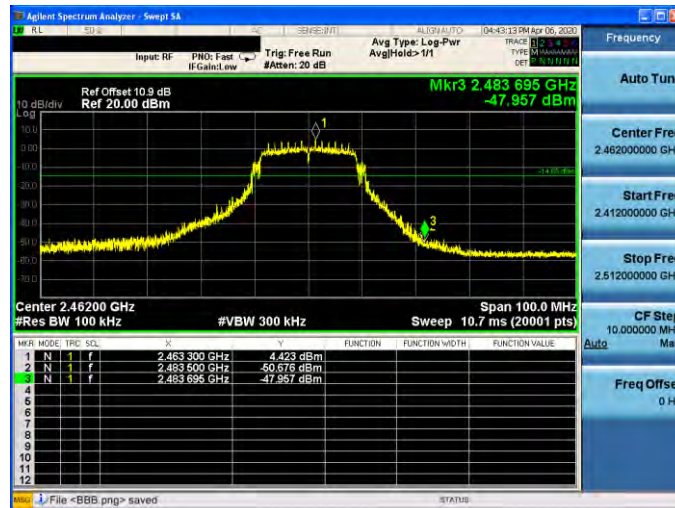


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

CH01

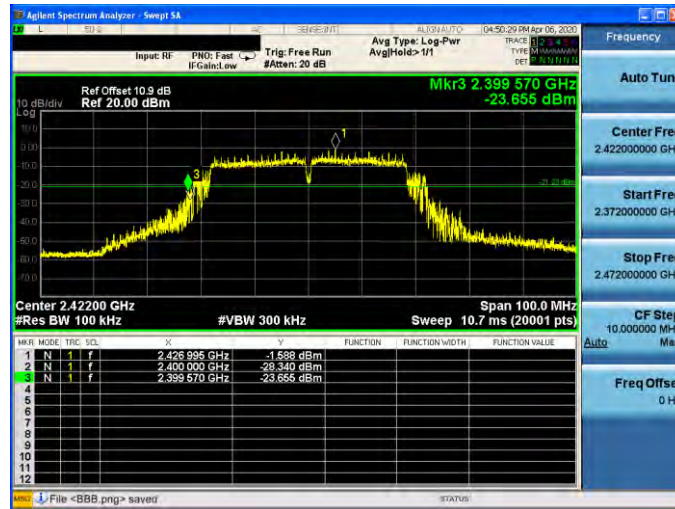


CH11

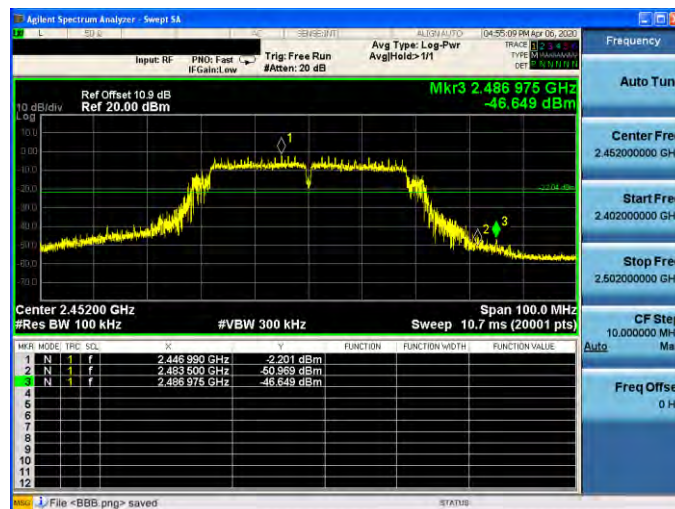


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

CH03



CH09



Annex C. Radiated Emission Measurement

Below 1 GHz

Standard:	FCC Part 15.247			Test Distance:	3 m		
Test item:	Radiated Emission			Power:	AC 120 V/60 Hz		
Frequency:	2412 MHz			Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH		
Mode:	Mode 2						
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
235.6400	45.79	-6.53	39.26	46.00	-6.74	QP	H
407.3300	39.93	-1.88	38.05	46.00	-7.95	QP	H
455.8300	38.06	-0.63	37.43	46.00	-8.57	QP	H
503.3600	38.29	-0.06	38.23	46.00	-7.77	QP	H
550.8900	36.38	1.06	37.44	46.00	-8.56	QP	H
599.3900	37.05	2.48	39.53	46.00	-6.47	QP	H
220.1200	40.02	-7.13	32.89	46.00	-13.11	QP	V
455.8300	40.09	-0.63	39.46	46.00	-6.54	QP	V
503.3600	37.90	-0.06	37.84	46.00	-8.16	QP	V
550.8900	38.22	1.06	39.28	46.00	-6.72	QP	V
599.3900	34.35	2.48	36.83	46.00	-9.17	QP	V
770.1100	31.72	5.46	37.18	46.00	-8.82	QP	V

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

Example: $39.26 = -6.53 + 45.79$.

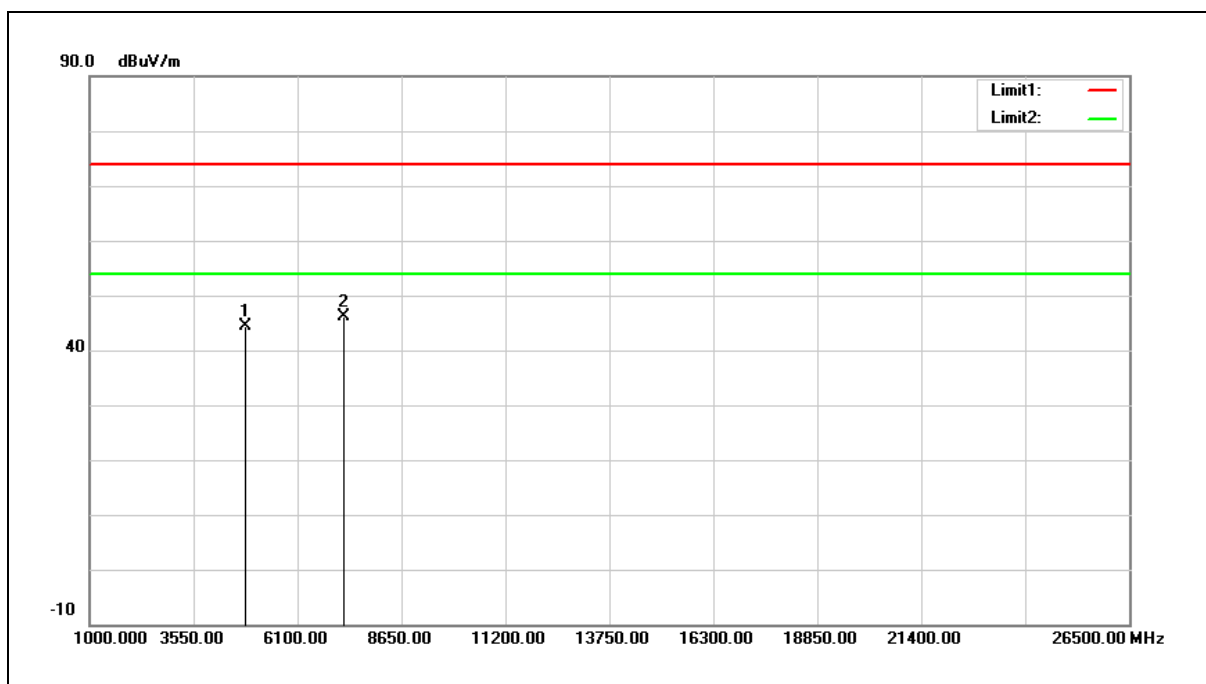
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.30	5.97	44.27	74.00	-29.73	peak
2	7236.000	33.67	12.48	46.15	74.00	-27.85	peak

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

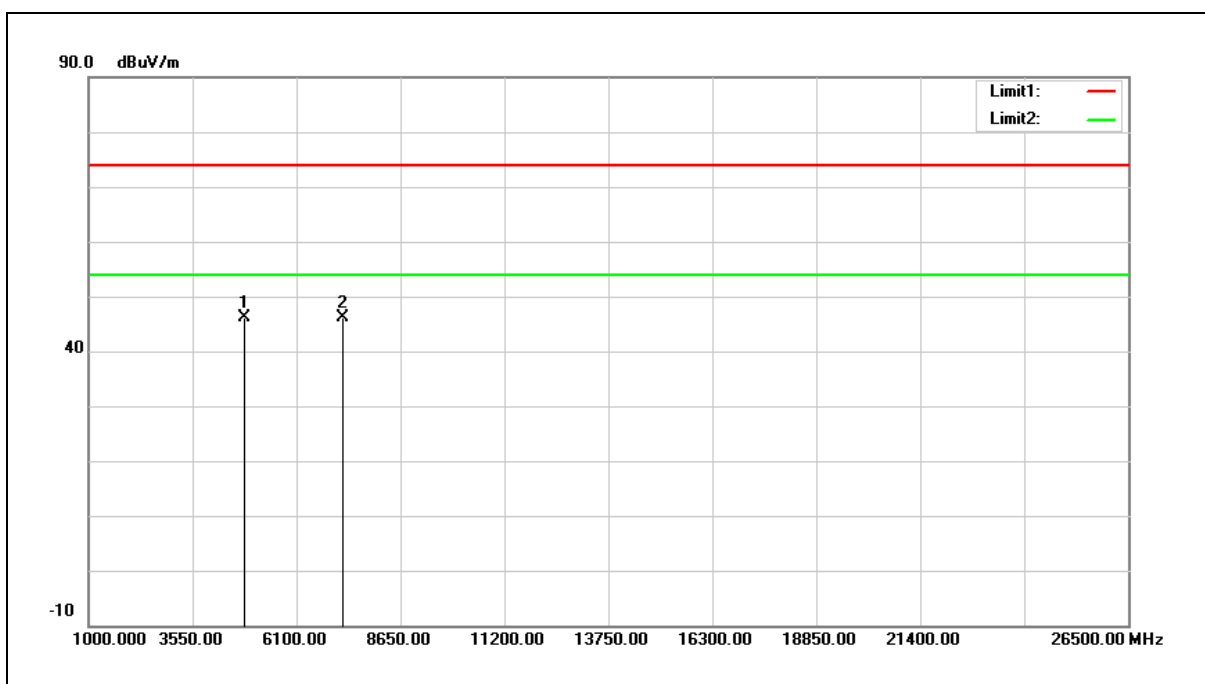
Example: $44.27 = 5.97 + 38.30$.

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	40.27	5.97	46.24	74.00	-27.76	peak
2	7236.000	33.64	12.48	46.12	74.00	-27.88	peak

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

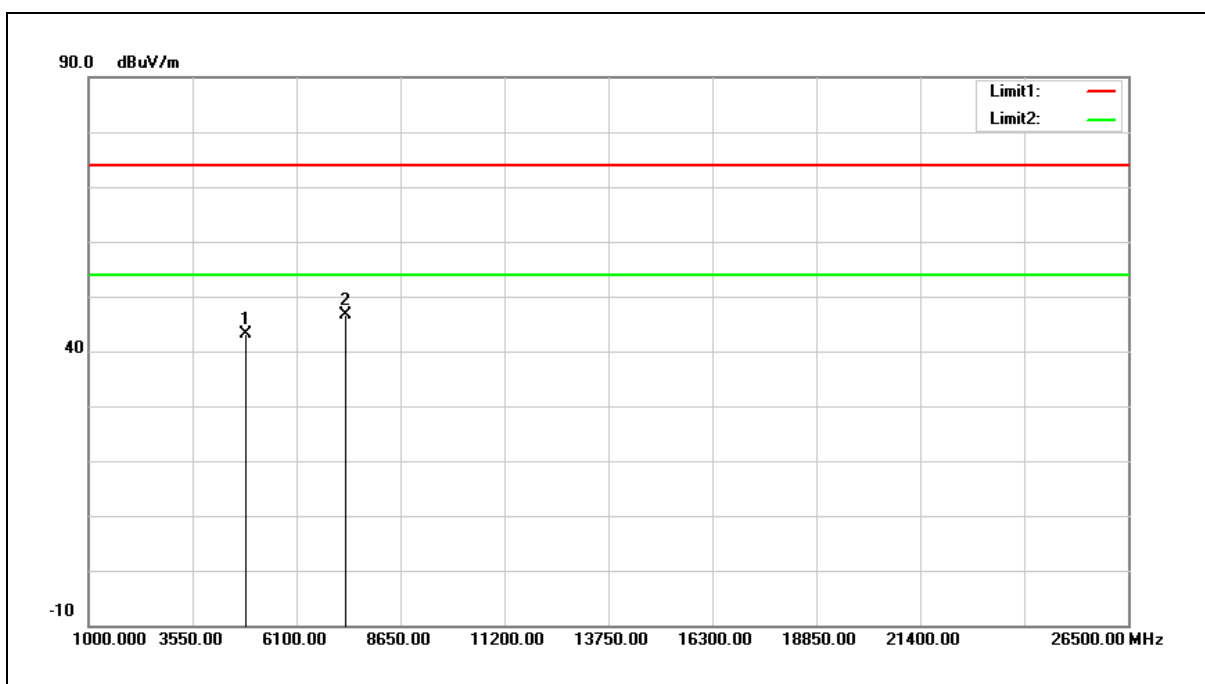
Example: $46.24 = 5.97 + 40.27$.

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



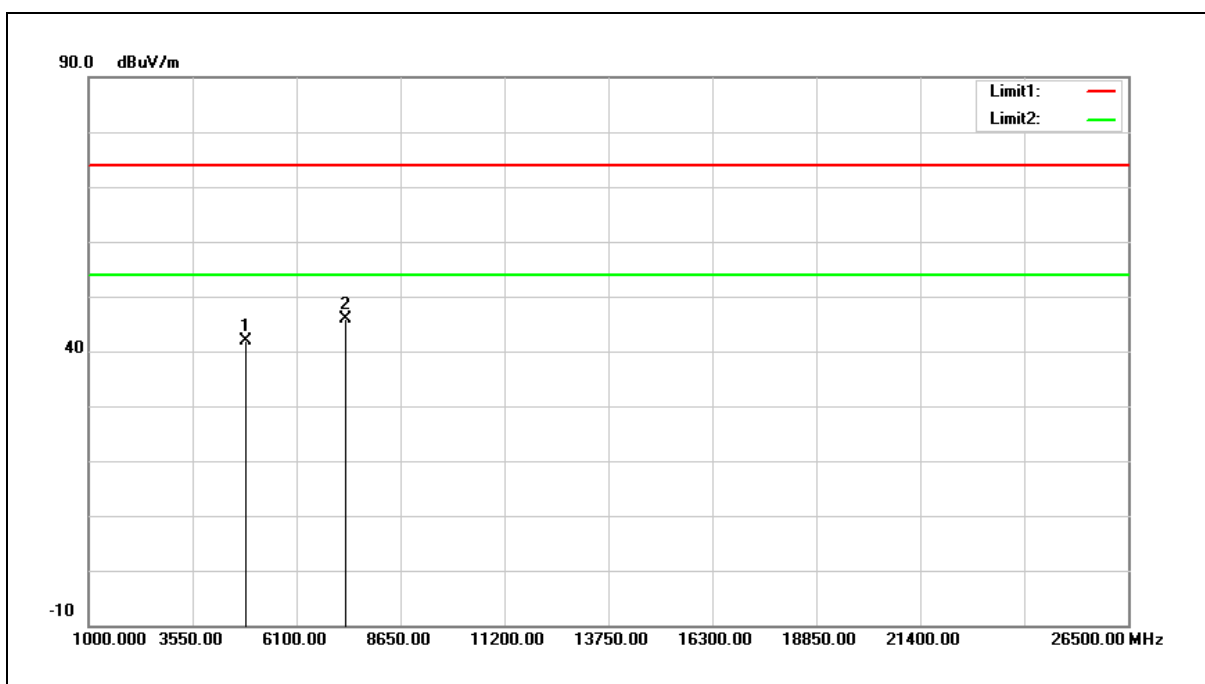
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.97	6.12	43.09	74.00	-30.91	peak
2	7311.000	33.87	12.73	46.60	74.00	-27.40	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.76	6.12	41.88	74.00	-32.12	peak
2	7311.000	33.22	12.73	45.95	74.00	-28.05	peak

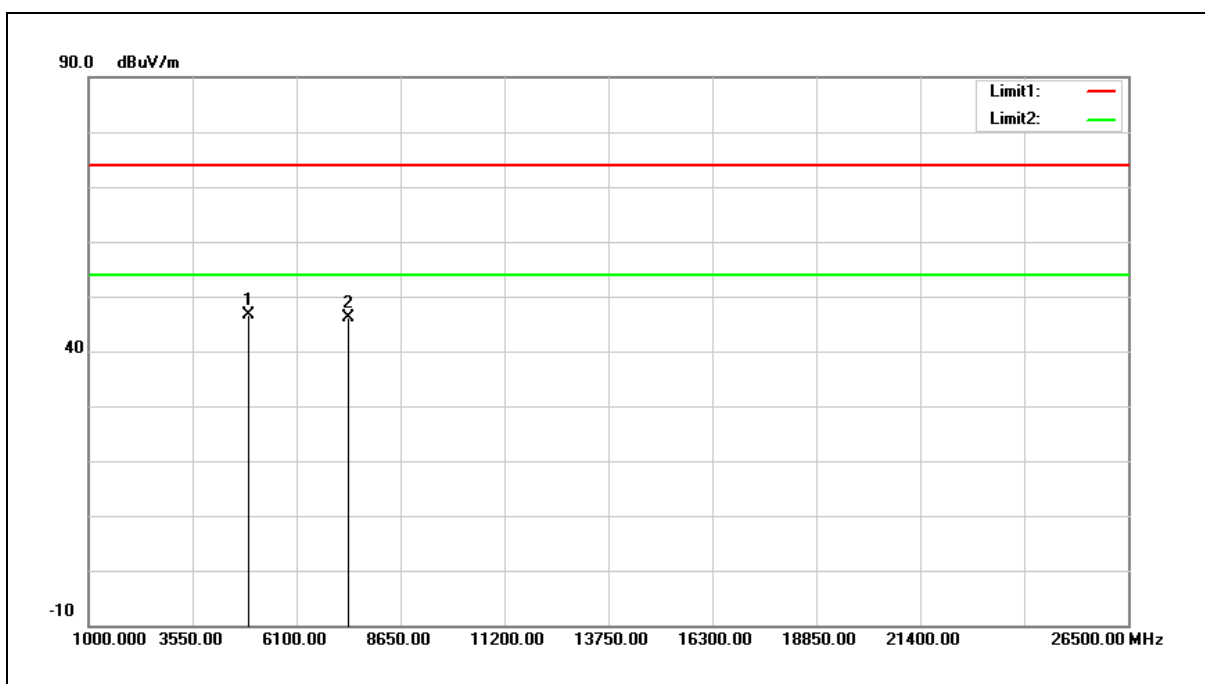
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



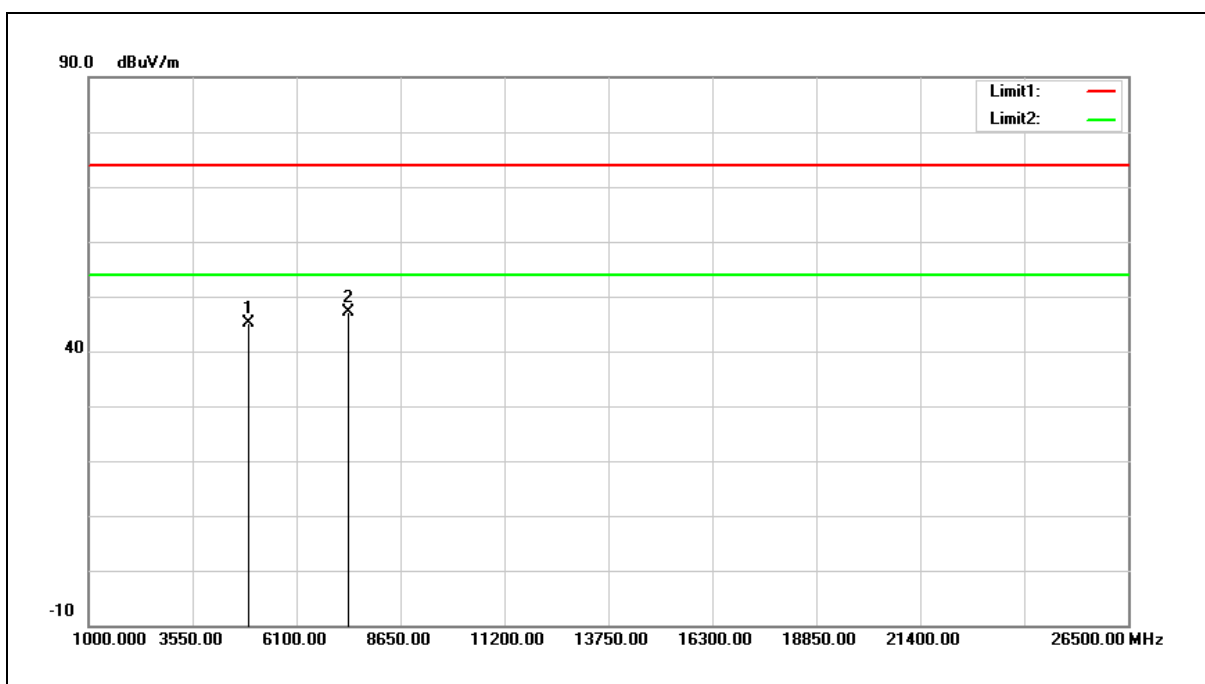
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.29	6.28	46.57	74.00	-27.43	peak
2	7386.000	33.11	12.99	46.10	74.00	-27.90	peak

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

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

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

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



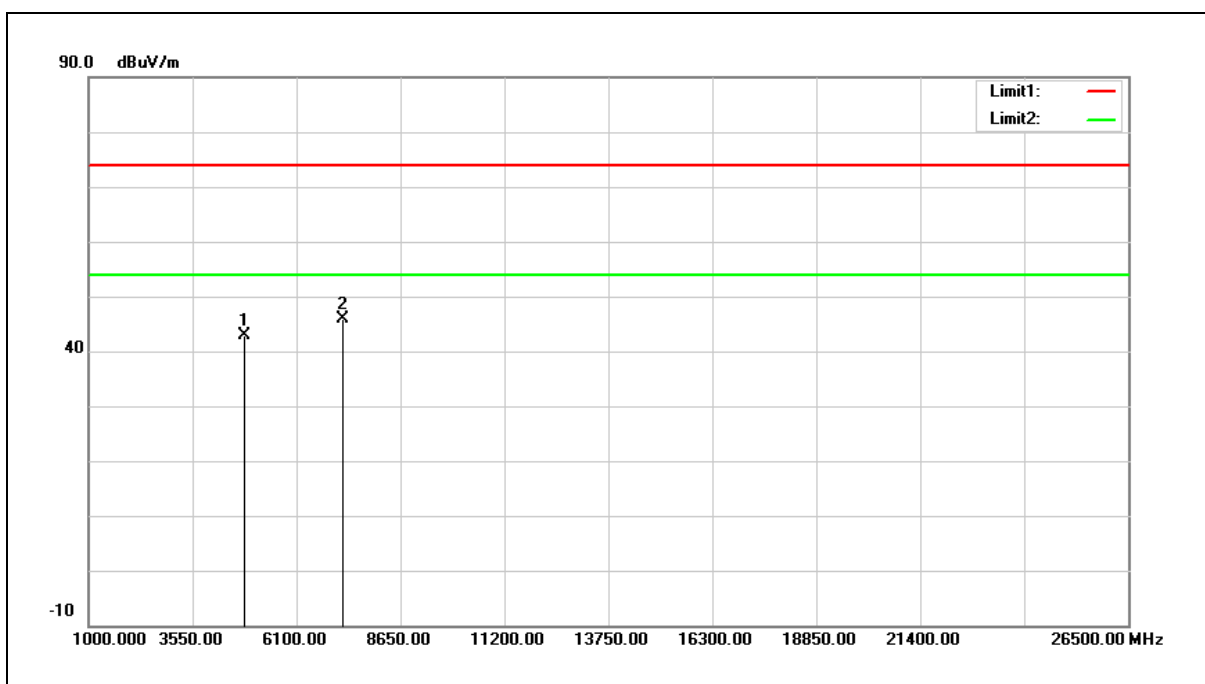
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.80	6.28	45.08	74.00	-28.92	peak
2	7386.000	34.02	12.99	47.01	74.00	-26.99	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



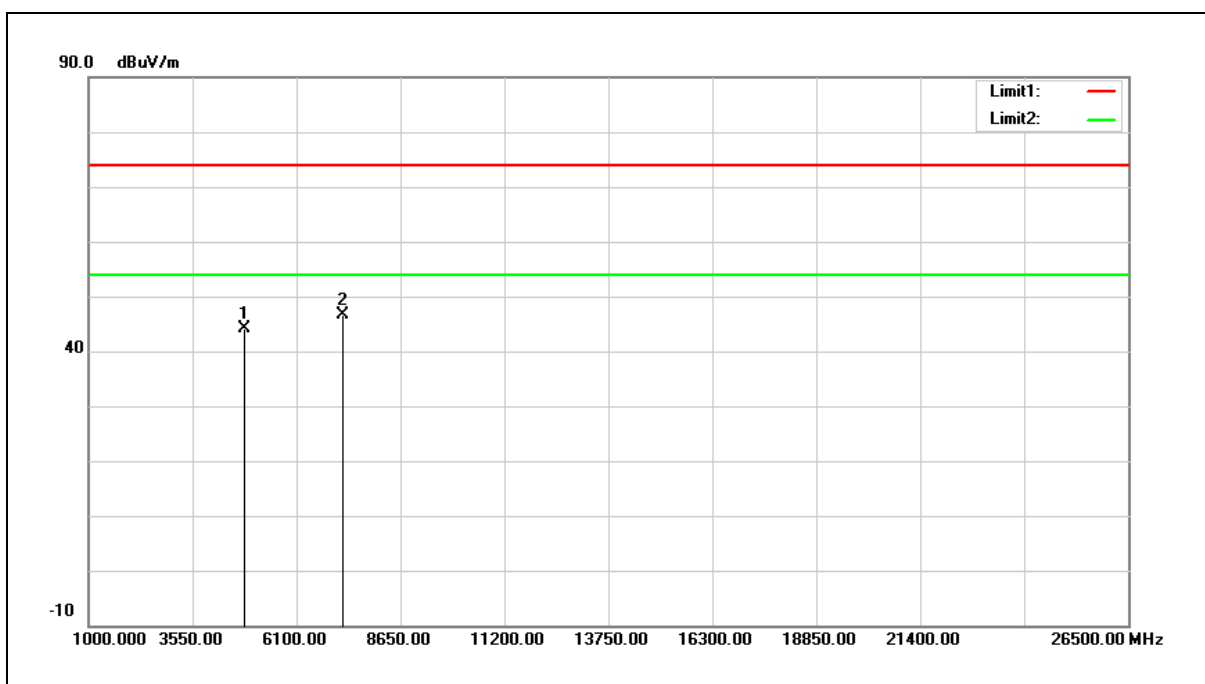
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	36.84	5.97	42.81	74.00	-31.19	peak
2	7236.000	33.47	12.48	45.95	74.00	-28.05	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



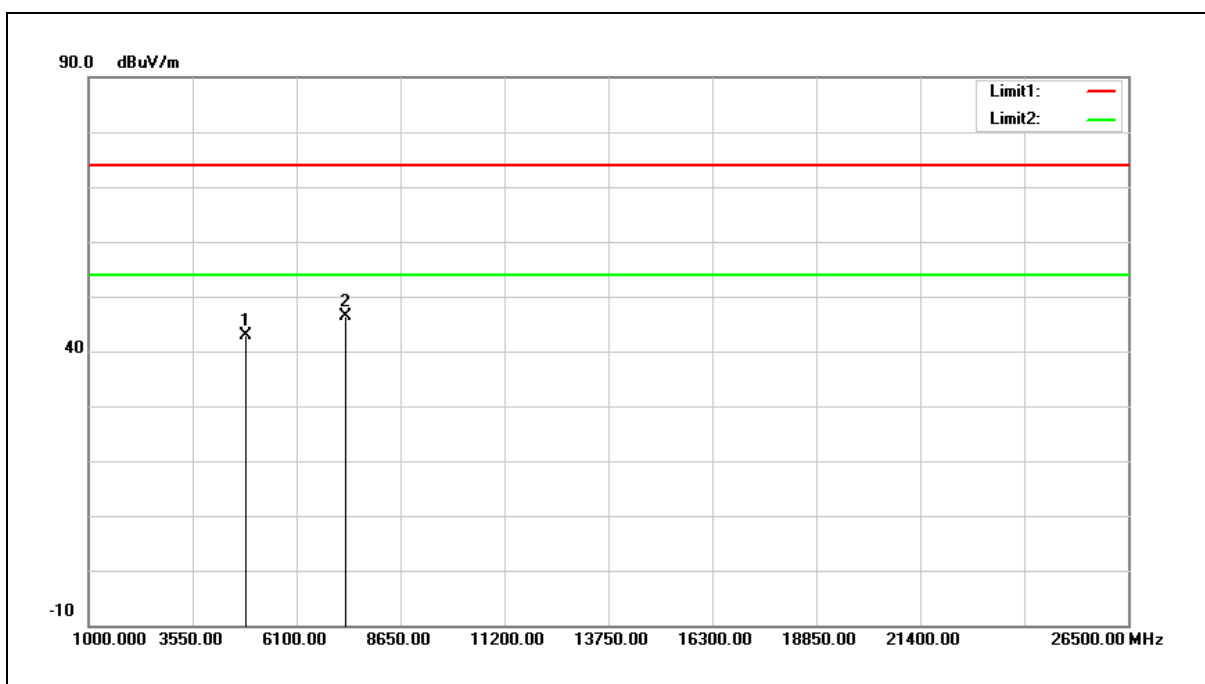
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.23	5.97	44.20	74.00	-29.80	peak
2	7236.000	34.25	12.48	46.73	74.00	-27.27	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



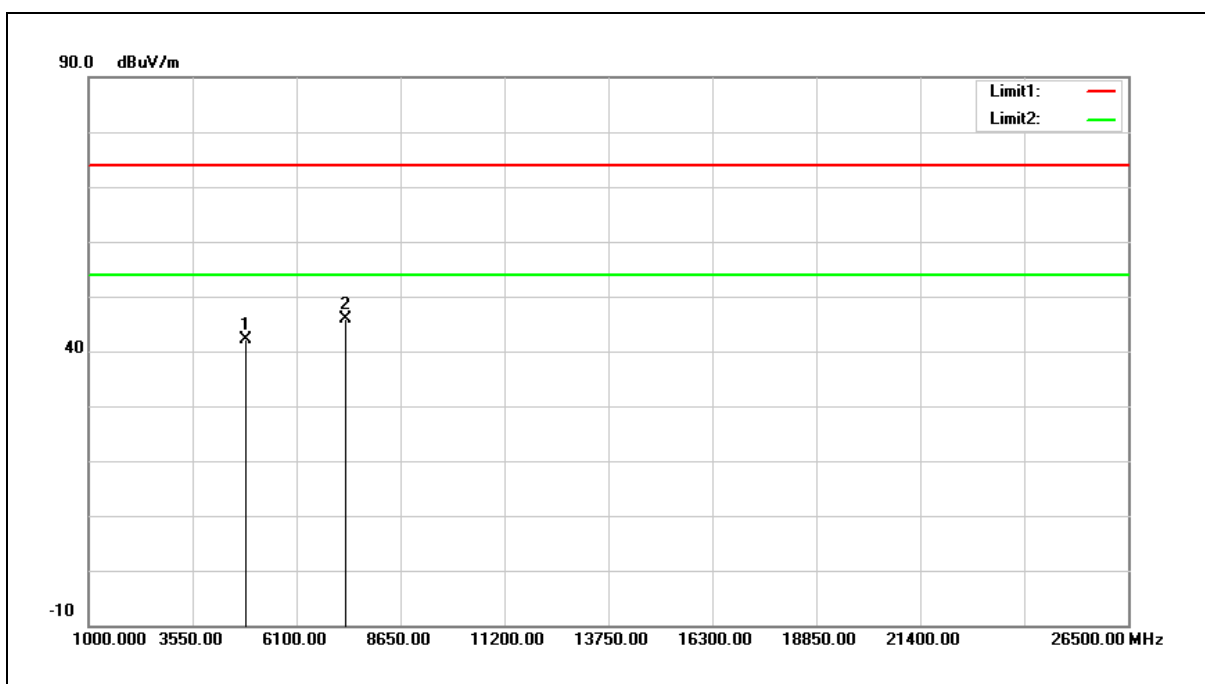
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.77	6.12	42.89	74.00	-31.11	peak
2	7311.000	33.72	12.73	46.45	74.00	-27.55	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



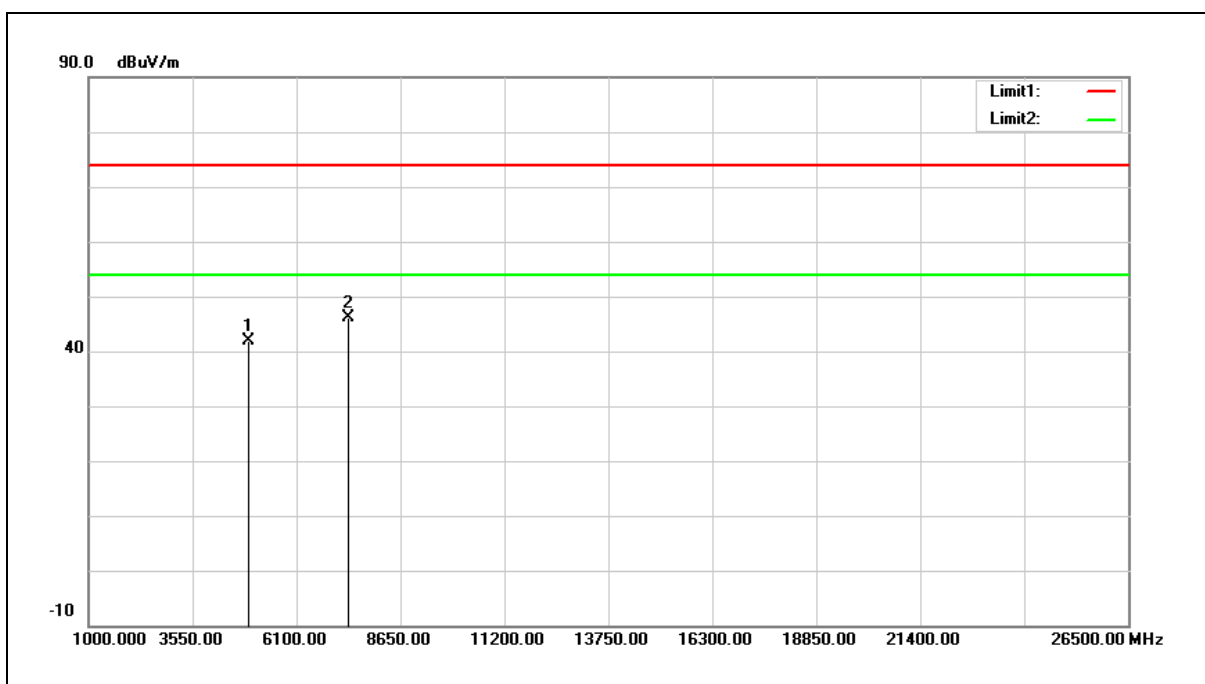
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.12	6.12	42.24	74.00	-31.76	peak
2	7311.000	33.17	12.73	45.90	74.00	-28.10	peak

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

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

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

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



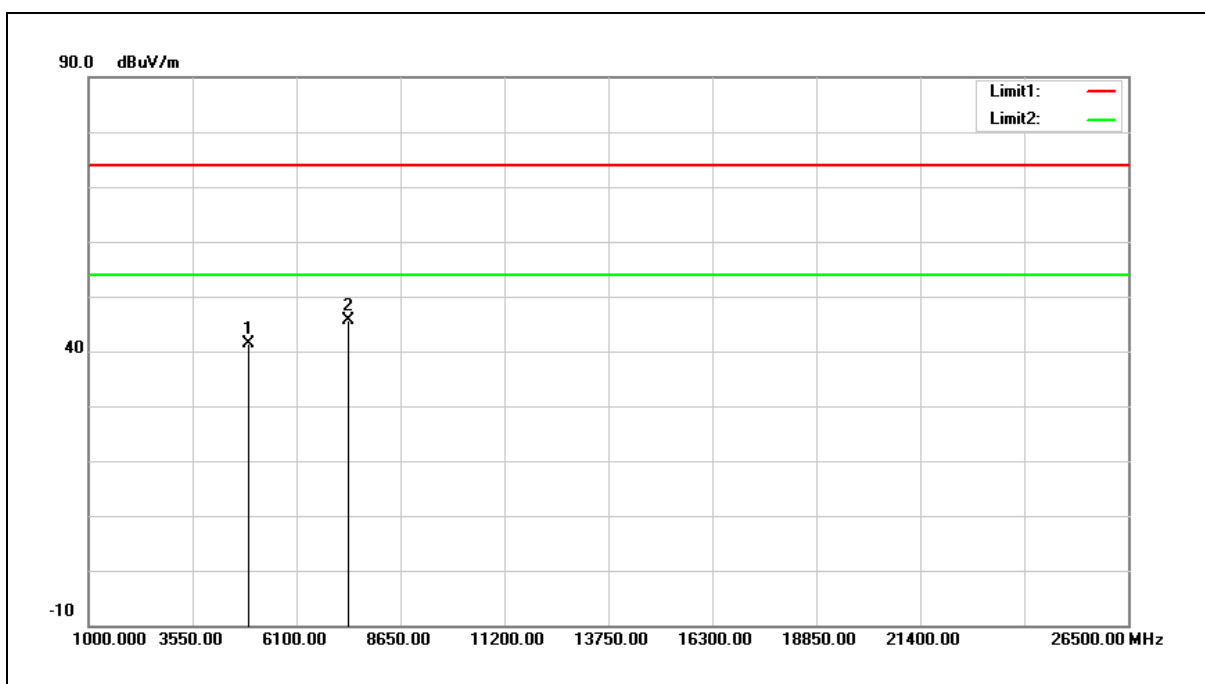
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.54	6.28	41.82	74.00	-32.18	peak
2	7386.000	33.04	12.99	46.03	74.00	-27.97	peak

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

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

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

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



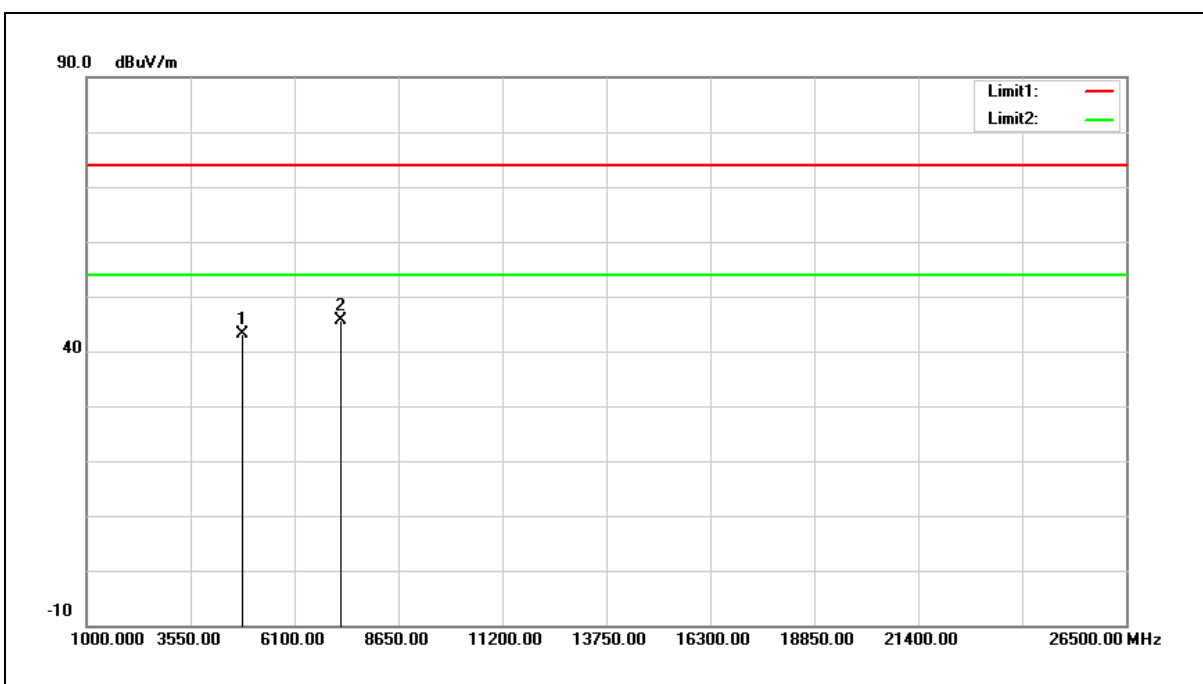
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.01	6.28	41.29	74.00	-32.71	peak
2	7386.000	32.60	12.99	45.59	74.00	-28.41	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



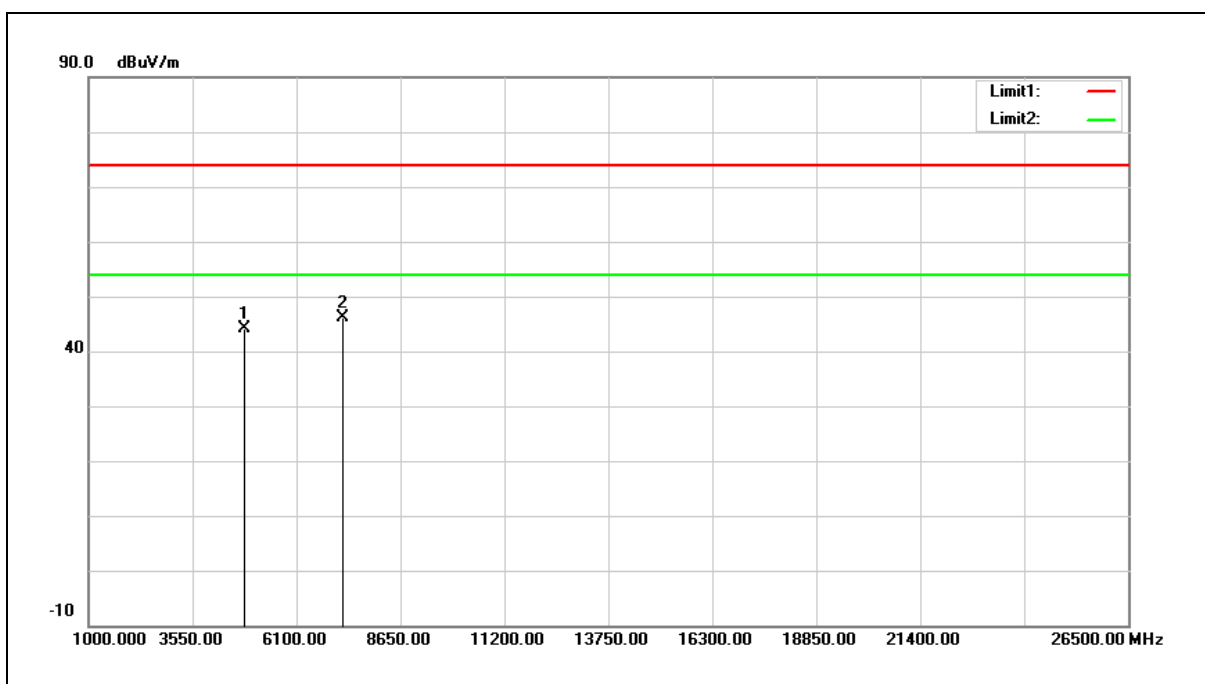
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.08	5.97	43.05	74.00	-30.95	peak
2	7236.000	33.19	12.48	45.67	74.00	-28.33	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



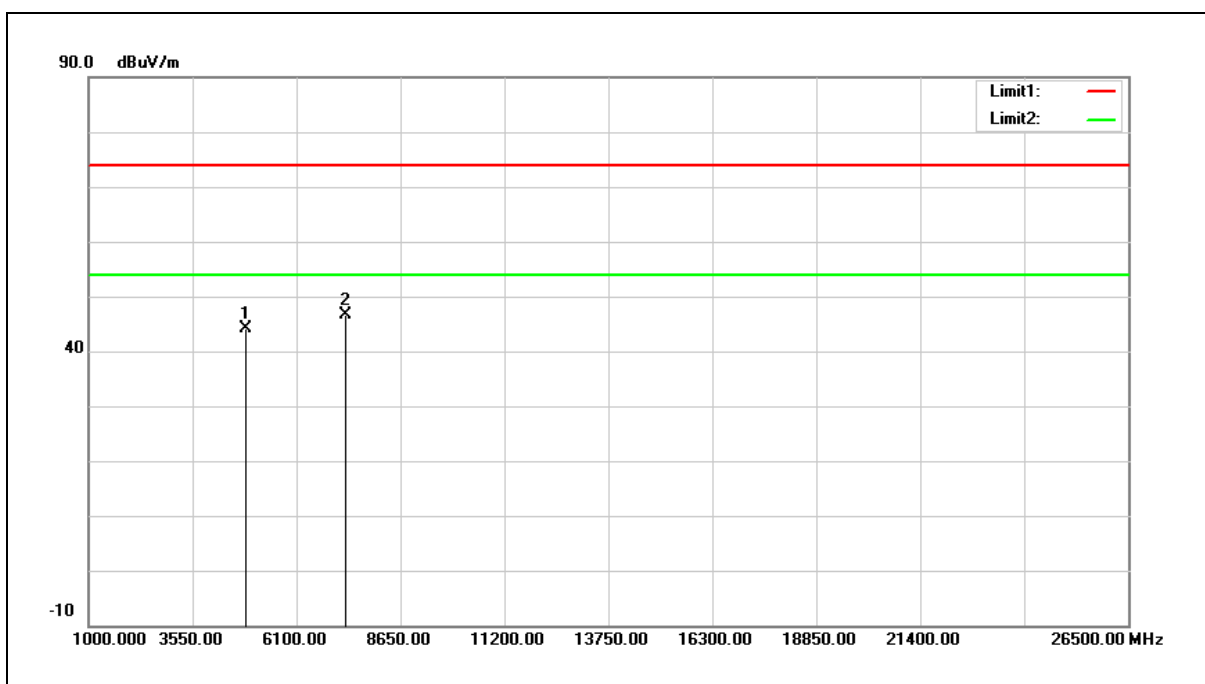
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.06	5.97	44.03	74.00	-29.97	peak
2	7236.000	33.75	12.48	46.23	74.00	-27.77	peak

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

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

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

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



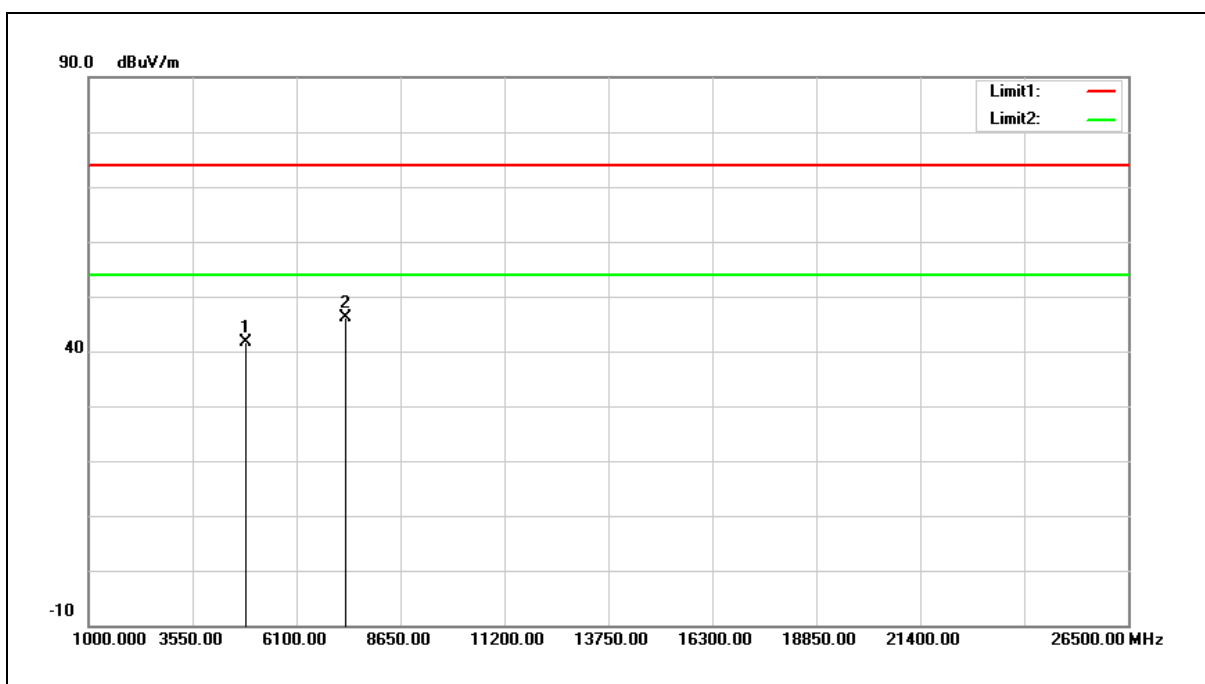
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.94	6.12	44.06	74.00	-29.94	peak
2	7311.000	33.89	12.73	46.62	74.00	-27.38	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



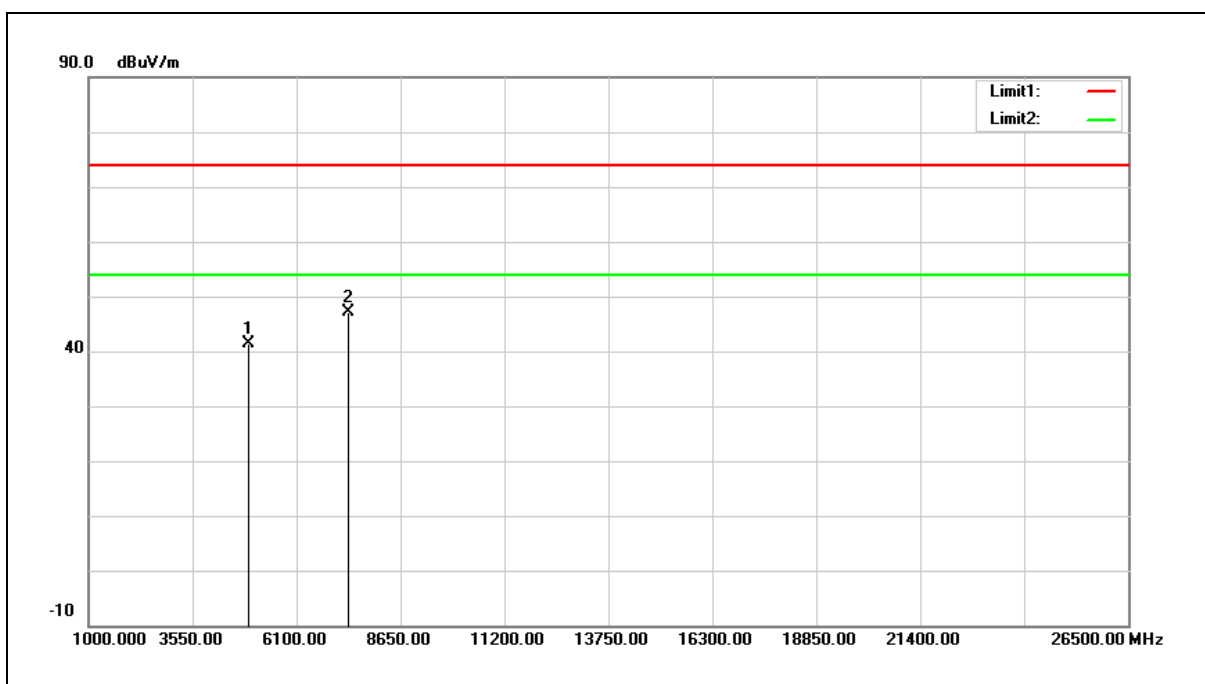
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.43	6.12	41.55	74.00	-32.45	peak
2	7311.000	33.47	12.73	46.20	74.00	-27.80	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



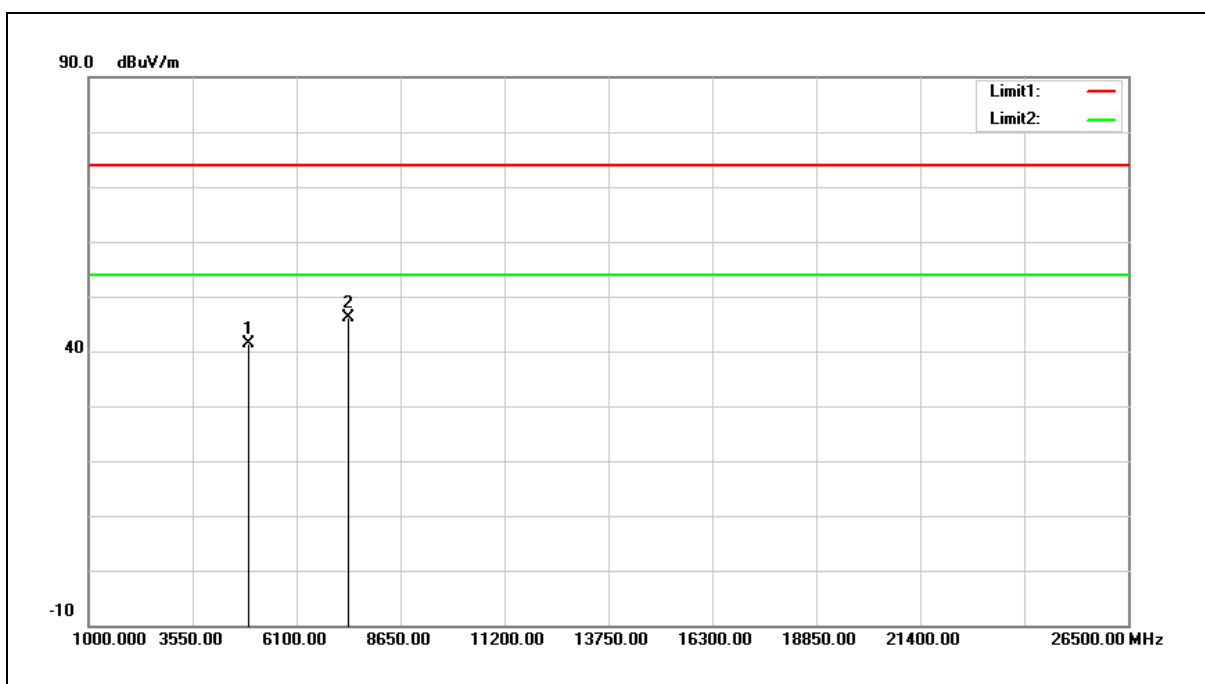
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.20	6.28	41.48	74.00	-32.52	peak
2	7386.000	34.08	12.99	47.07	74.00	-26.93	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



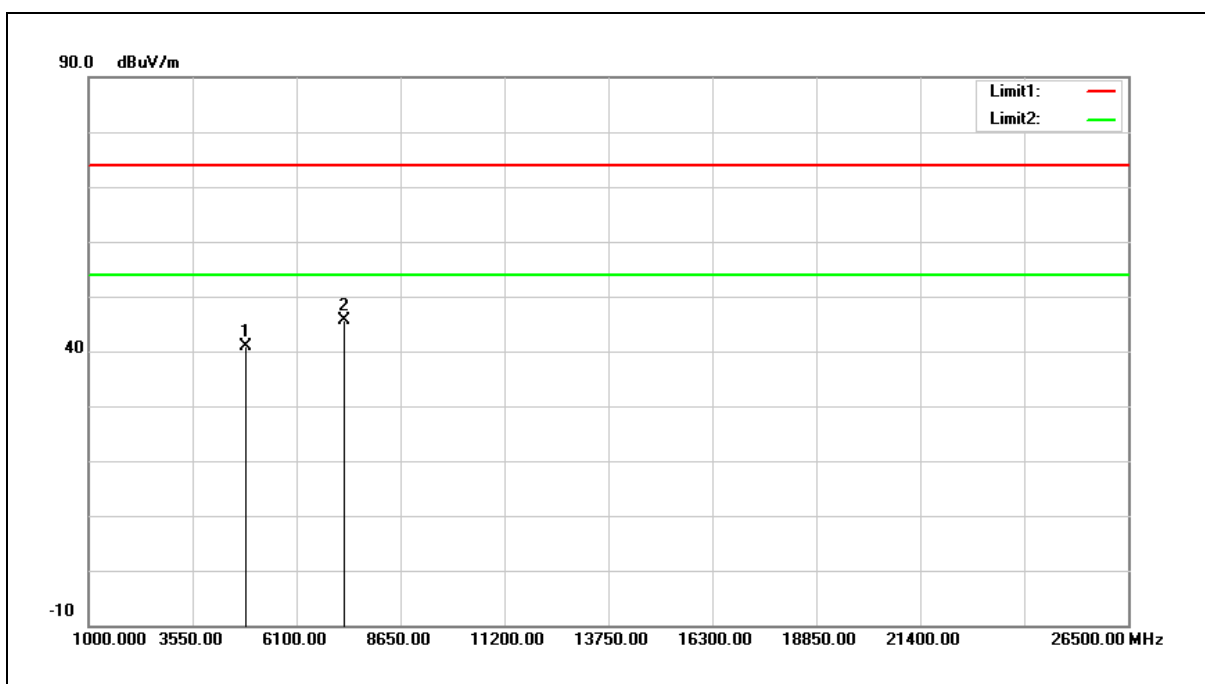
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.17	6.28	41.45	74.00	-32.55	peak
2	7386.000	33.25	12.99	46.24	74.00	-27.76	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



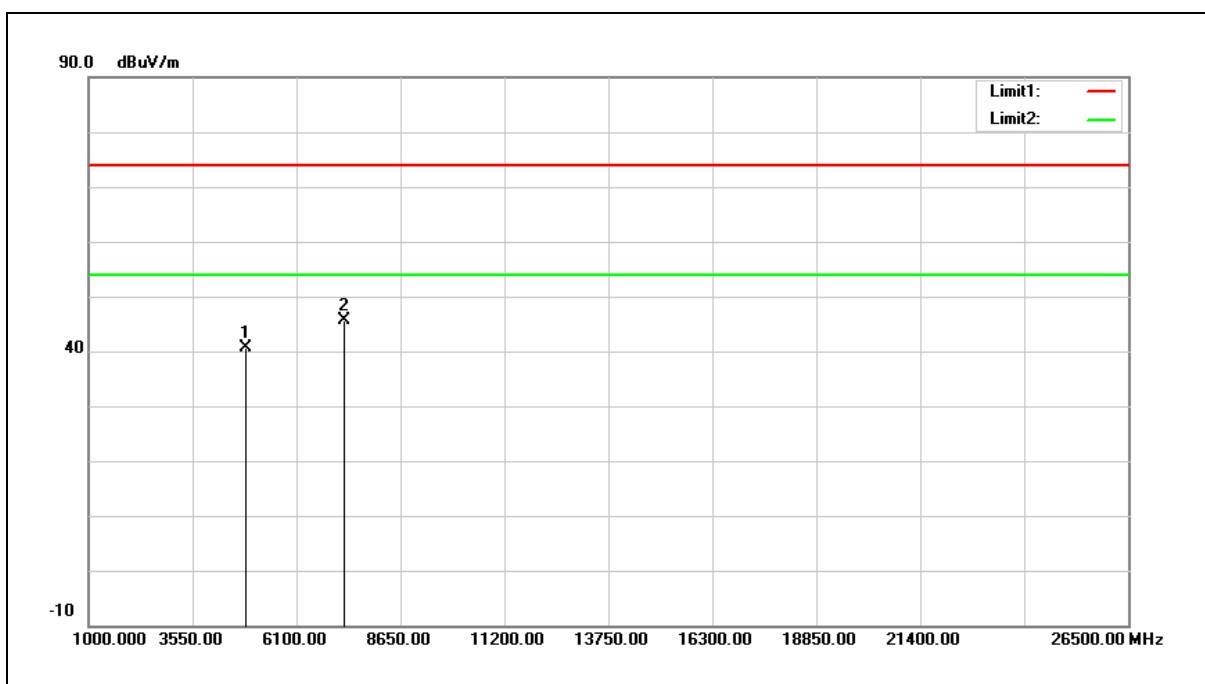
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.89	6.04	40.93	74.00	-33.07	peak
2	7266.000	33.00	12.59	45.59	74.00	-28.41	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



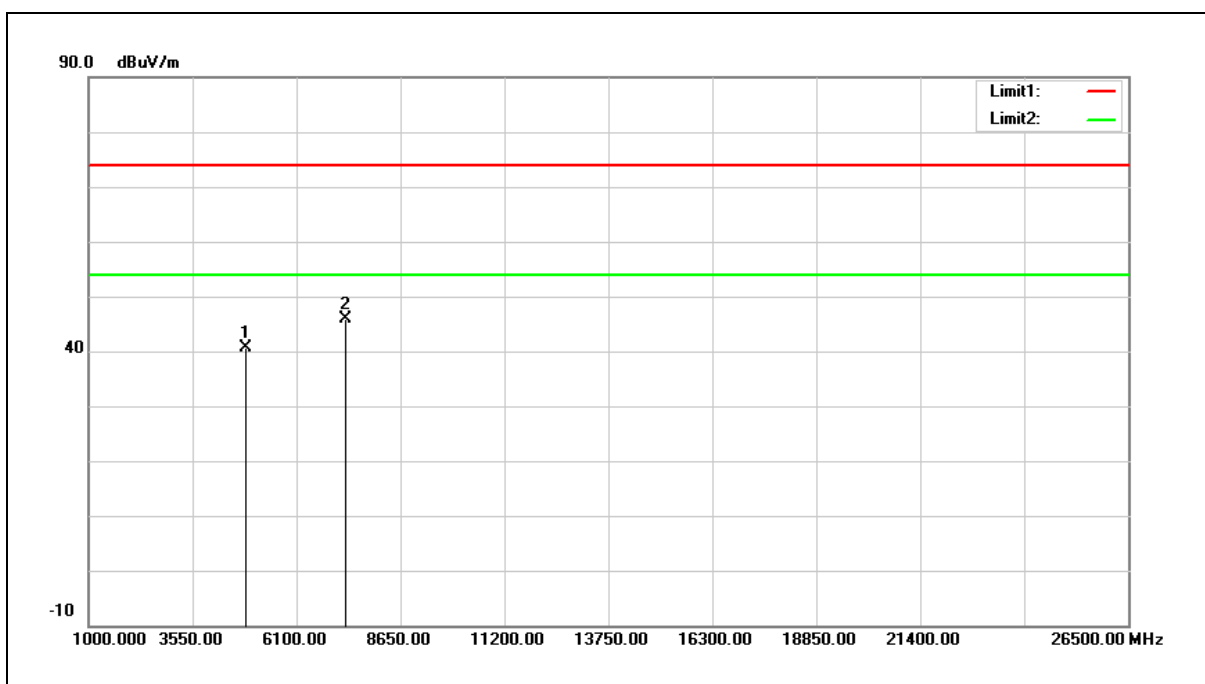
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.68	6.04	40.72	74.00	-33.28	peak
2	7266.000	33.16	12.59	45.75	74.00	-28.25	peak

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

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

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

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



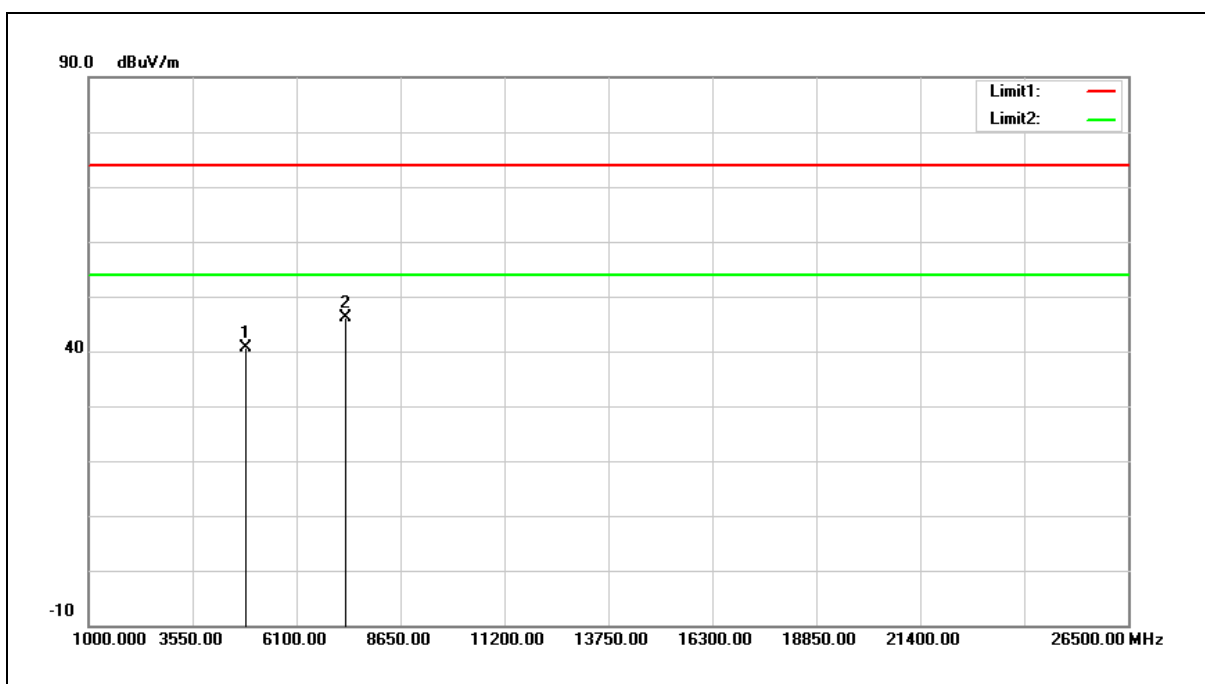
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.59	6.12	40.71	74.00	-33.29	peak
2	7311.000	33.23	12.73	45.96	74.00	-28.04	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



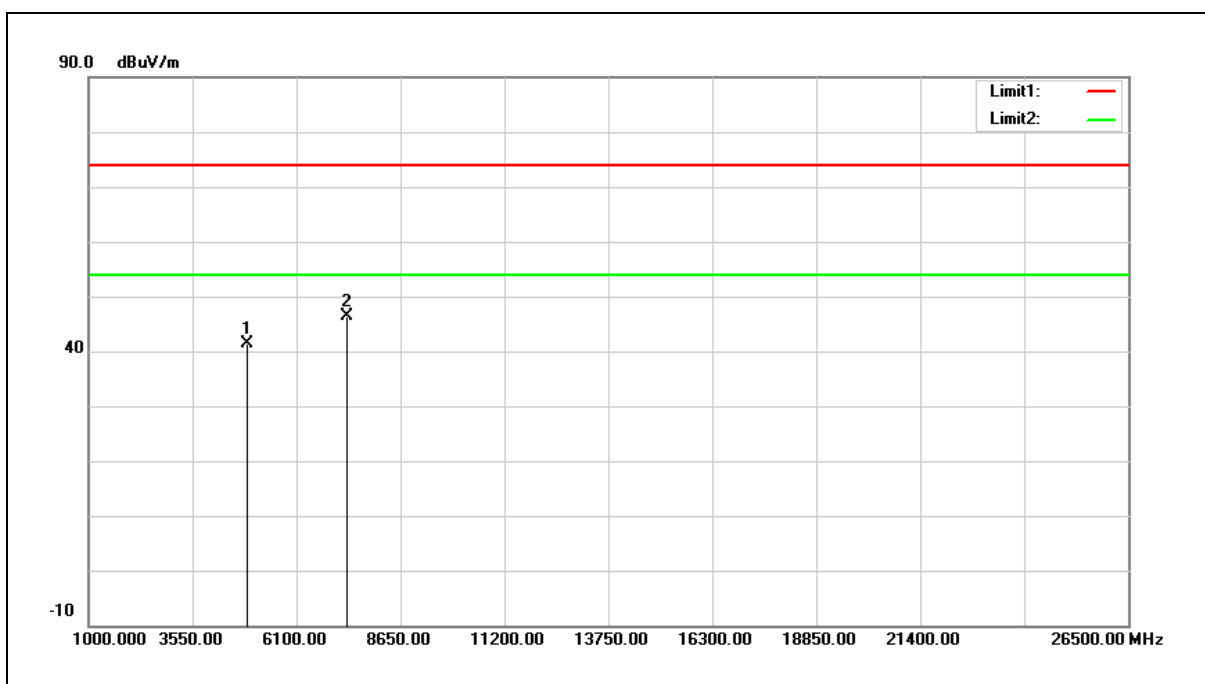
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.44	6.12	40.56	74.00	-33.44	peak
2	7311.000	33.47	12.73	46.20	74.00	-27.80	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



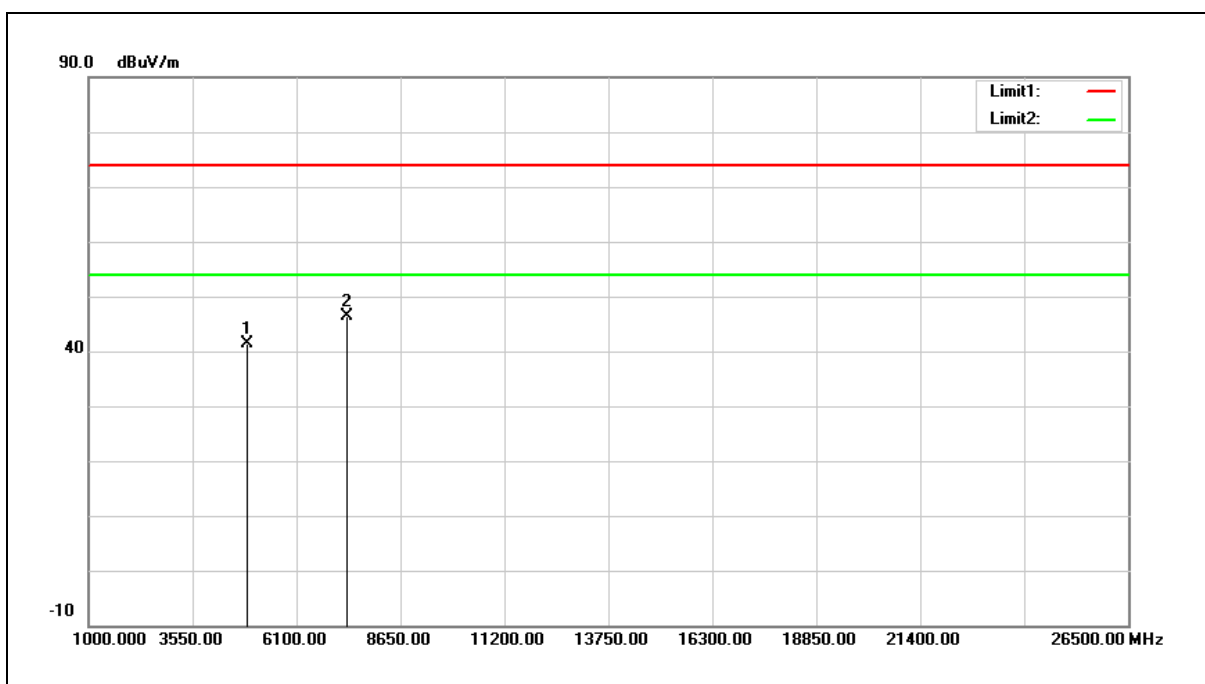
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	35.18	6.21	41.39	74.00	-32.61	peak
2	7356.000	33.58	12.89	46.47	74.00	-27.53	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



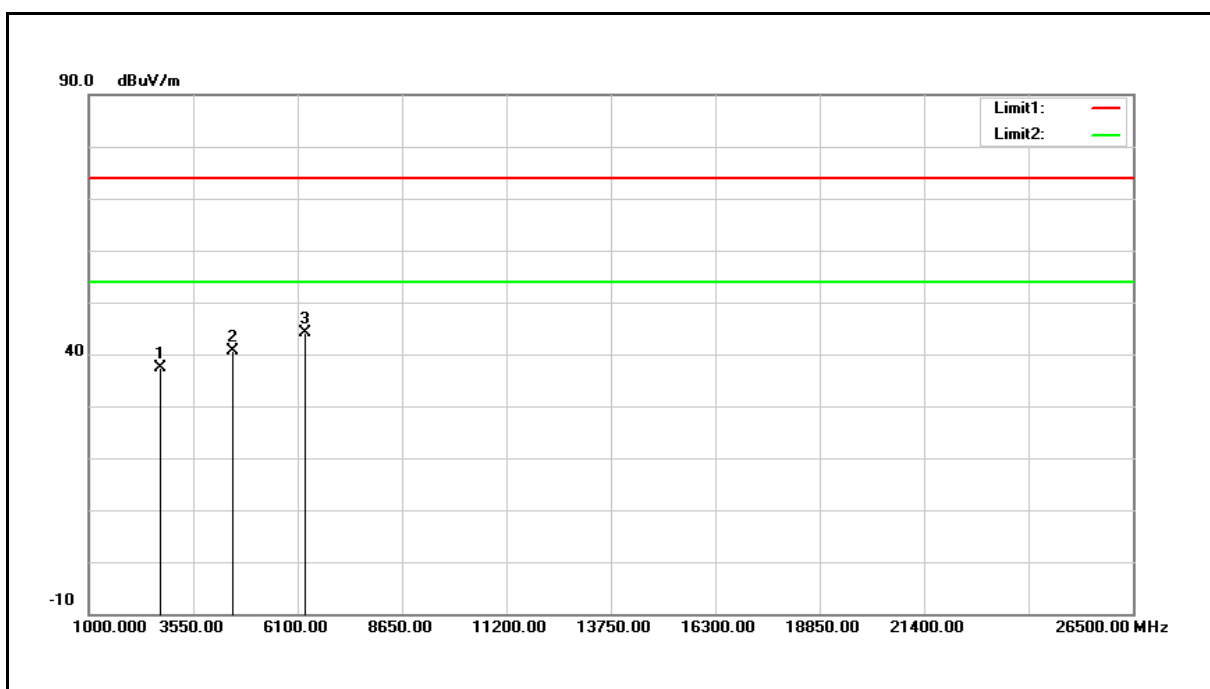
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	35.23	6.21	41.44	74.00	-32.56	peak
2	7356.000	33.44	12.89	46.33	74.00	-27.67	peak

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:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



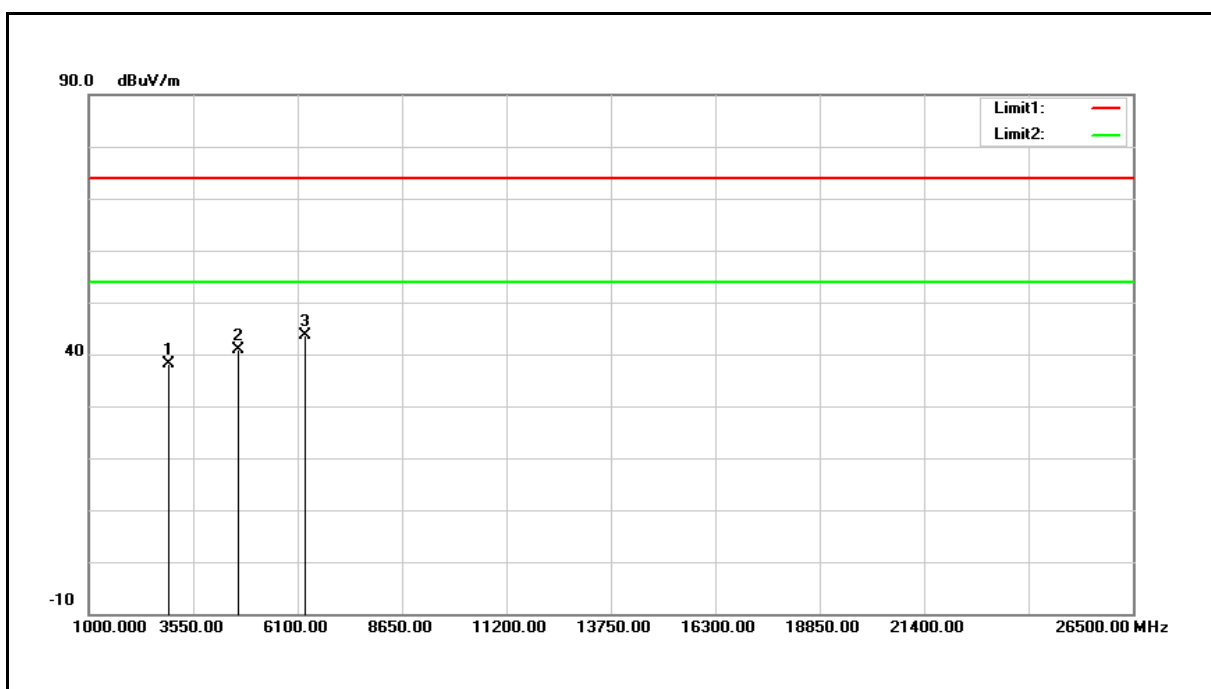
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	36.99	0.42	37.41	74.00	-36.59	peak
2	4519.000	35.49	5.03	40.52	74.00	-33.48	peak
3	6270.000	34.31	9.74	44.05	74.00	-29.95	peak

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

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

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

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2921.000	37.12	0.91	38.03	74.00	-35.97	peak
2	4638.000	35.53	5.40	40.93	74.00	-33.07	peak
3	6287.000	33.74	9.80	43.54	74.00	-30.46	peak

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

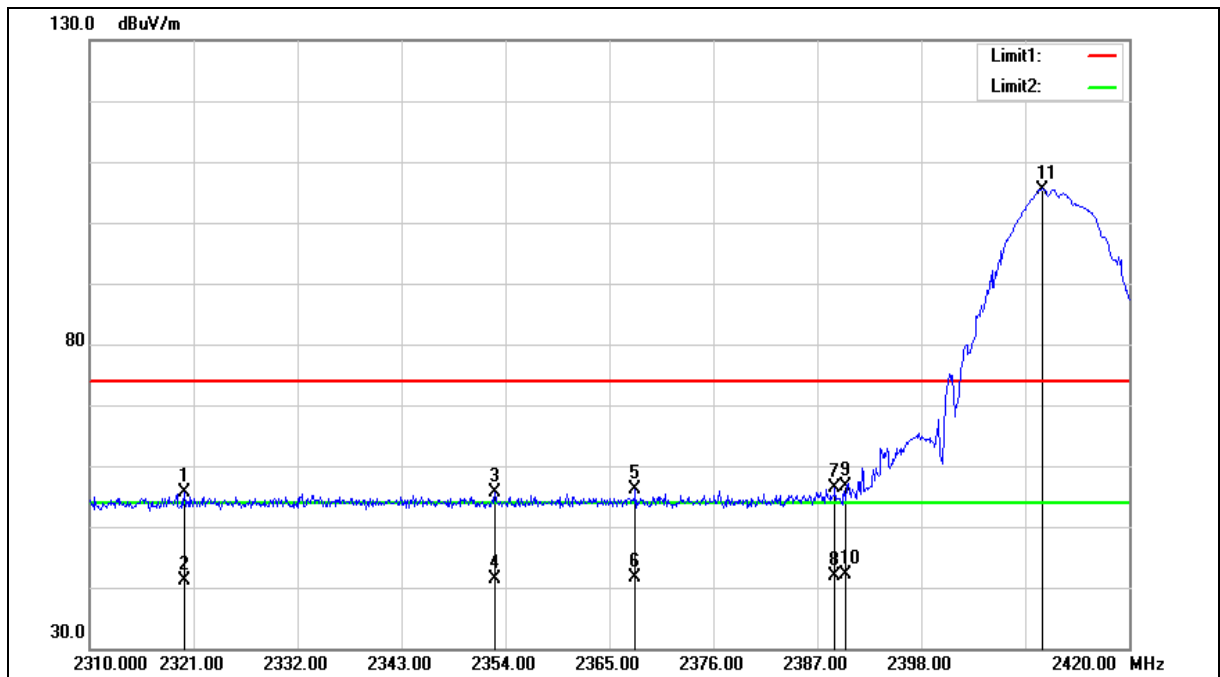
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





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

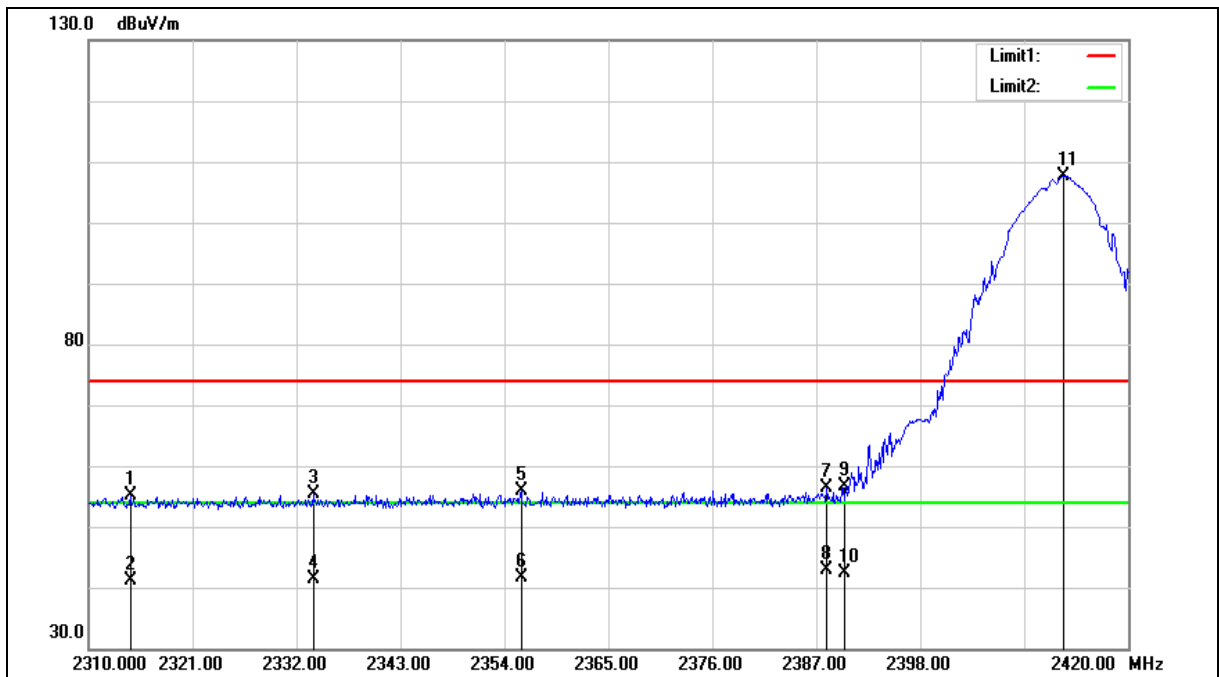
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2320.010	56.82	-1.22	55.60	74.00	-18.40	peak
2	2320.010	42.32	-1.22	41.10	54.00	-12.90	AVG
3	2352.900	56.58	-1.05	55.53	74.00	-18.47	peak
4	2352.900	42.48	-1.05	41.43	54.00	-12.57	AVG
5	2367.750	57.08	-0.99	56.09	74.00	-17.91	peak
6	2367.750	42.62	-0.99	41.63	54.00	-12.37	AVG
7	2388.870	57.35	-0.88	56.47	74.00	-17.53	peak
8	2388.870	42.84	-0.88	41.96	54.00	-12.04	AVG
9	2390.000	57.62	-0.87	56.75	74.00	-17.25	peak
10	2390.000	43.06	-0.87	42.19	54.00	-11.81	AVG
11	2410.870	106.26	-0.76	105.50	--	--	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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.400	56.48	-1.25	55.23	74.00	-18.77	peak
2	2314.400	42.26	-1.25	41.01	54.00	-12.99	AVG
3	2333.760	56.57	-1.16	55.41	74.00	-18.59	peak
4	2333.760	42.51	-1.16	41.35	54.00	-12.65	AVG
5	2355.760	56.82	-1.04	55.78	74.00	-18.22	peak
6	2355.760	42.68	-1.04	41.64	54.00	-12.36	AVG
7	2388.100	57.30	-0.88	56.42	74.00	-17.58	peak
8	2388.100	43.66	-0.88	42.78	54.00	-11.22	AVG
9	2390.000	57.59	-0.87	56.72	74.00	-17.28	peak
10	2390.000	43.19	-0.87	42.32	54.00	-11.68	AVG
11	2413.180	108.51	-0.76	107.75	--	--	peak

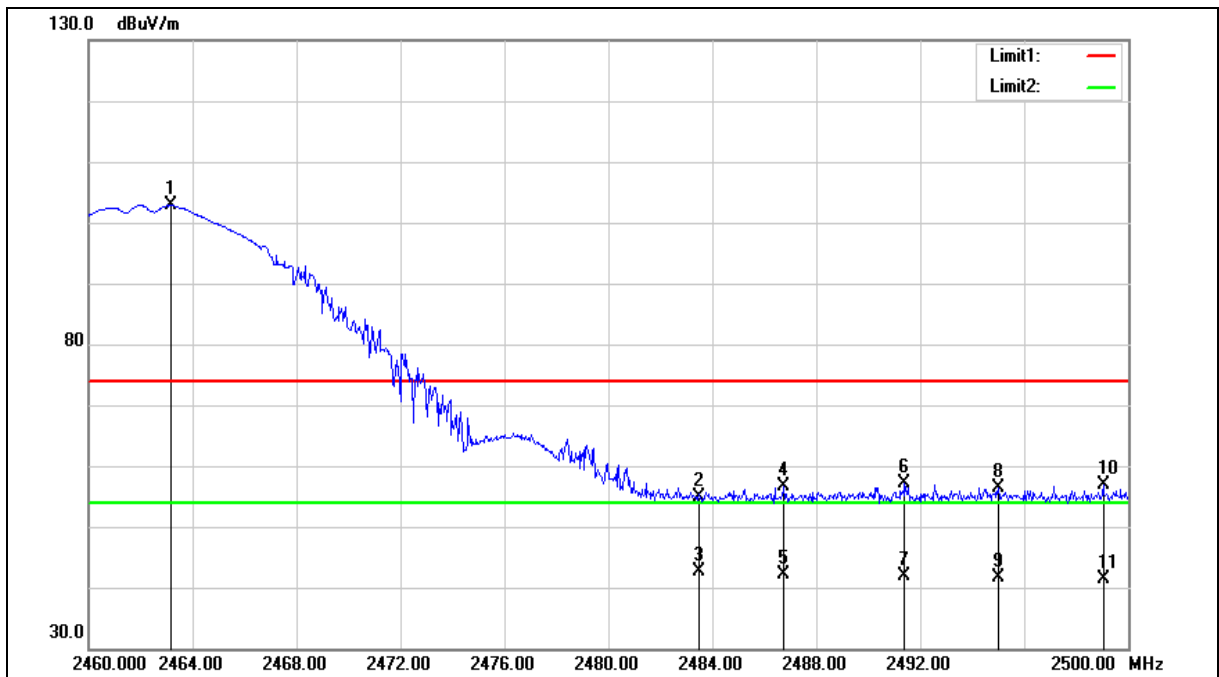
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.160	103.33	-0.50	102.83	--	--	peak
2	2483.500	55.18	-0.40	54.78	74.00	-19.22	peak
3	2483.500	42.98	-0.40	42.58	54.00	-11.42	AVG
4	2486.760	56.95	-0.38	56.57	74.00	-17.43	peak
5	2486.760	42.51	-0.38	42.13	54.00	-11.87	AVG
6	2491.400	57.60	-0.35	57.25	74.00	-16.75	peak
7	2491.400	42.21	-0.35	41.86	54.00	-12.14	AVG
8	2495.000	56.73	-0.34	56.39	74.00	-17.61	peak
9	2495.000	42.06	-0.34	41.72	54.00	-12.28	AVG
10	2499.040	57.19	-0.31	56.88	74.00	-17.12	peak
11	2499.040	41.80	-0.31	41.49	54.00	-12.51	AVG

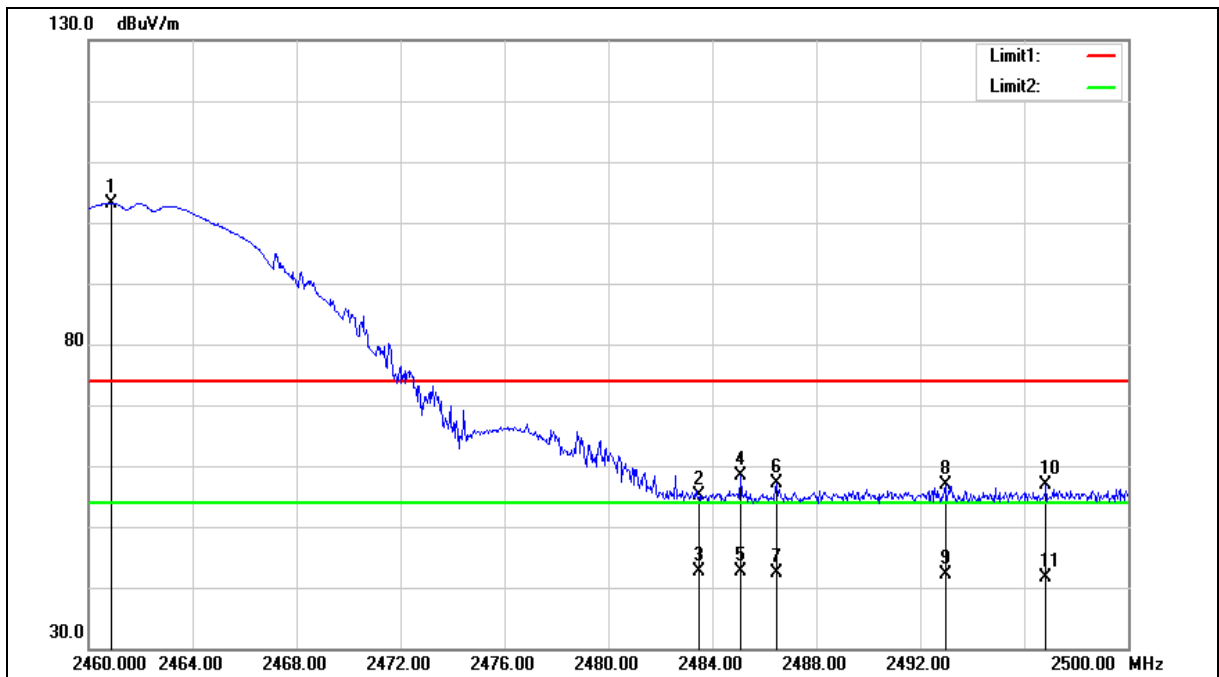
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.880	103.73	-0.51	103.22	--	--	peak
2	2483.500	55.56	-0.40	55.16	74.00	-18.84	peak
3	2483.500	43.09	-0.40	42.69	54.00	-11.31	AVG
4	2485.080	58.87	-0.39	58.48	74.00	-15.52	peak
5	2485.080	43.09	-0.39	42.70	54.00	-11.30	AVG
6	2486.480	57.50	-0.38	57.12	74.00	-16.88	peak
7	2486.480	42.73	-0.38	42.35	54.00	-11.65	AVG
8	2492.960	57.11	-0.34	56.77	74.00	-17.23	peak
9	2492.960	42.37	-0.34	42.03	54.00	-11.97	AVG
10	2496.840	57.31	-0.33	56.98	74.00	-17.02	peak
11	2496.840	42.06	-0.33	41.73	54.00	-12.27	AVG

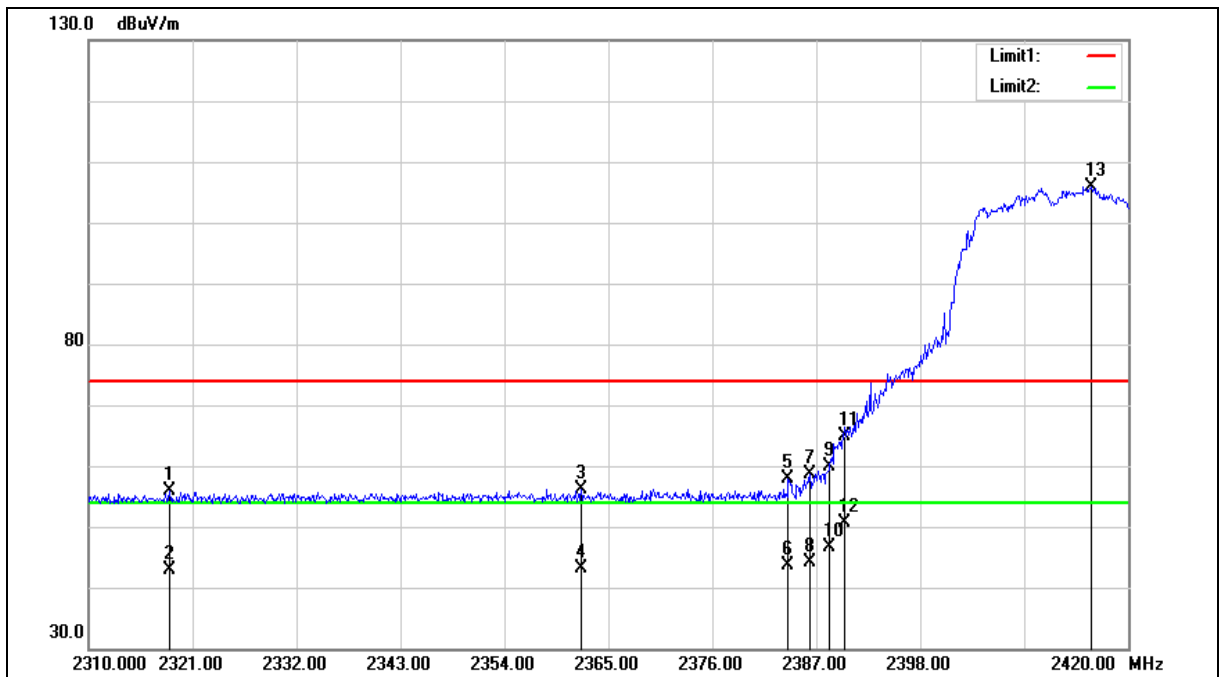
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2318.580	57.20	-1.23	55.97	74.00	-18.03	peak
2	2318.580	44.19	-1.23	42.96	54.00	-11.04	AVG
3	2362.140	57.22	-1.02	56.20	74.00	-17.80	peak
4	2362.140	44.22	-1.02	43.20	54.00	-10.80	AVG
5	2384.030	58.80	-0.90	57.90	74.00	-16.10	peak
6	2384.030	44.44	-0.90	43.54	54.00	-10.46	AVG
7	2386.340	59.65	-0.90	58.75	74.00	-15.25	peak
8	2386.340	44.91	-0.90	44.01	54.00	-9.99	AVG
9	2388.430	60.79	-0.88	59.91	74.00	-14.09	peak
10	2388.430	47.48	-0.88	46.60	54.00	-7.40	AVG
11	2390.000	65.64	-0.87	64.77	74.00	-9.23	peak
12	2390.000	51.40	-0.87	50.53	54.00	-3.47	AVG
13	2416.040	106.68	-0.74	105.94	--	--	peak

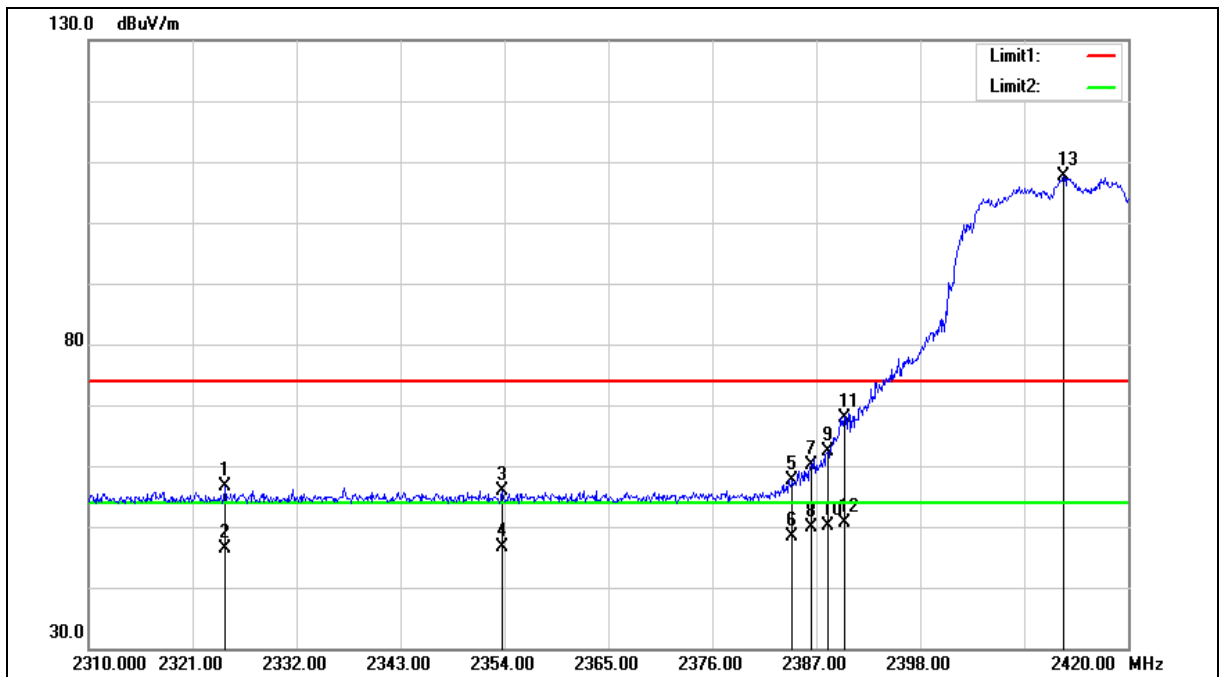
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2324.410	57.74	-1.20	56.54	74.00	-17.46	peak
2	2324.410	47.50	-1.20	46.30	54.00	-7.70	AVG
3	2353.780	57.03	-1.05	55.98	74.00	-18.02	peak
4	2353.780	47.58	-1.05	46.53	54.00	-7.47	AVG
5	2384.470	58.53	-0.90	57.63	74.00	-16.37	peak
6	2384.470	49.33	-0.90	48.43	54.00	-5.57	AVG
7	2386.450	60.93	-0.90	60.03	74.00	-13.97	peak
8	2386.450	50.72	-0.90	49.82	54.00	-4.18	AVG
9	2388.210	63.32	-0.88	62.44	74.00	-11.56	peak
10	2388.210	51.01	-0.88	50.13	54.00	-3.87	AVG
11	2390.000	68.86	-0.87	67.99	74.00	-6.01	peak
12	2390.000	51.50	-0.87	50.63	54.00	-3.37	AVG
13	2413.180	108.34	-0.76	107.58	--	--	peak

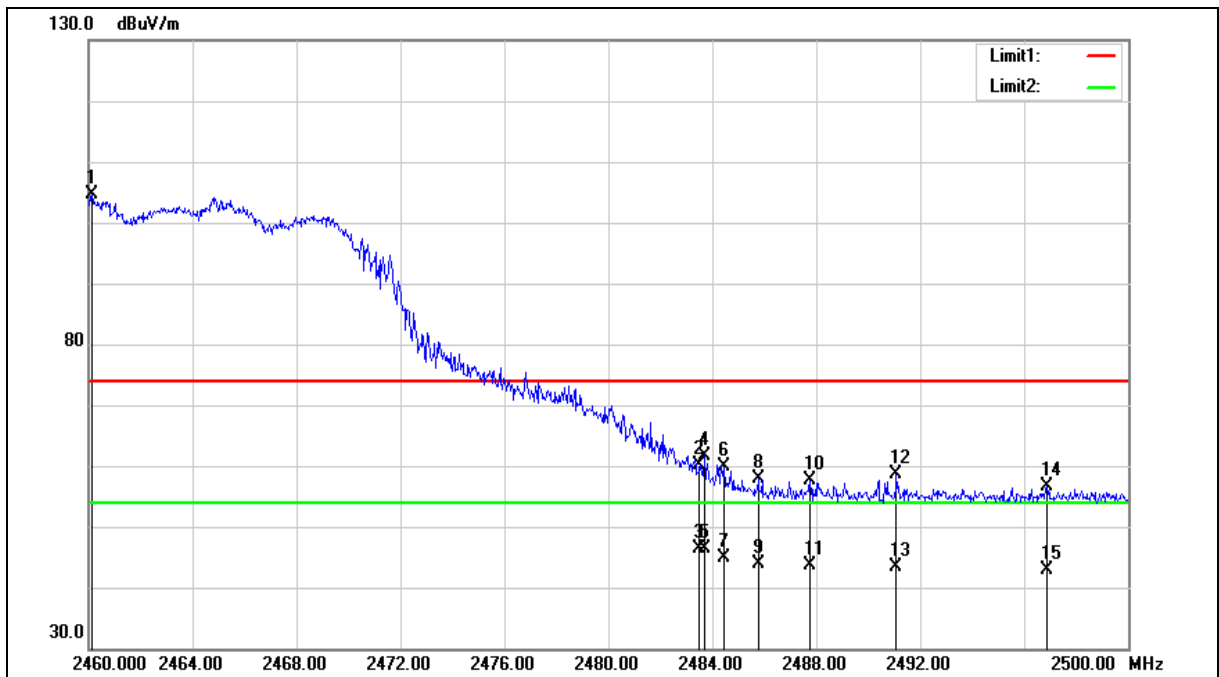
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.120	105.13	-0.52	104.61	--	--	peak
2	2483.500	60.60	-0.40	60.20	74.00	-13.80	peak
3	2483.500	46.66	-0.40	46.26	54.00	-7.74	AVG
4	2483.720	62.13	-0.40	61.73	74.00	-12.27	peak
5	2483.720	46.77	-0.40	46.37	54.00	-7.63	AVG
6	2484.440	60.28	-0.39	59.89	74.00	-14.11	peak
7	2484.440	45.34	-0.39	44.95	54.00	-9.05	AVG
8	2485.760	58.23	-0.38	57.85	74.00	-16.15	peak
9	2485.760	44.18	-0.38	43.80	54.00	-10.20	AVG
10	2487.760	58.03	-0.37	57.66	74.00	-16.34	peak
11	2487.760	44.01	-0.37	43.64	54.00	-10.36	AVG
12	2491.080	58.93	-0.36	58.57	74.00	-15.43	peak
13	2491.080	43.74	-0.36	43.38	54.00	-10.62	AVG
14	2496.880	56.92	-0.33	56.59	74.00	-17.41	peak
15	2496.880	43.30	-0.33	42.97	54.00	-11.03	AVG

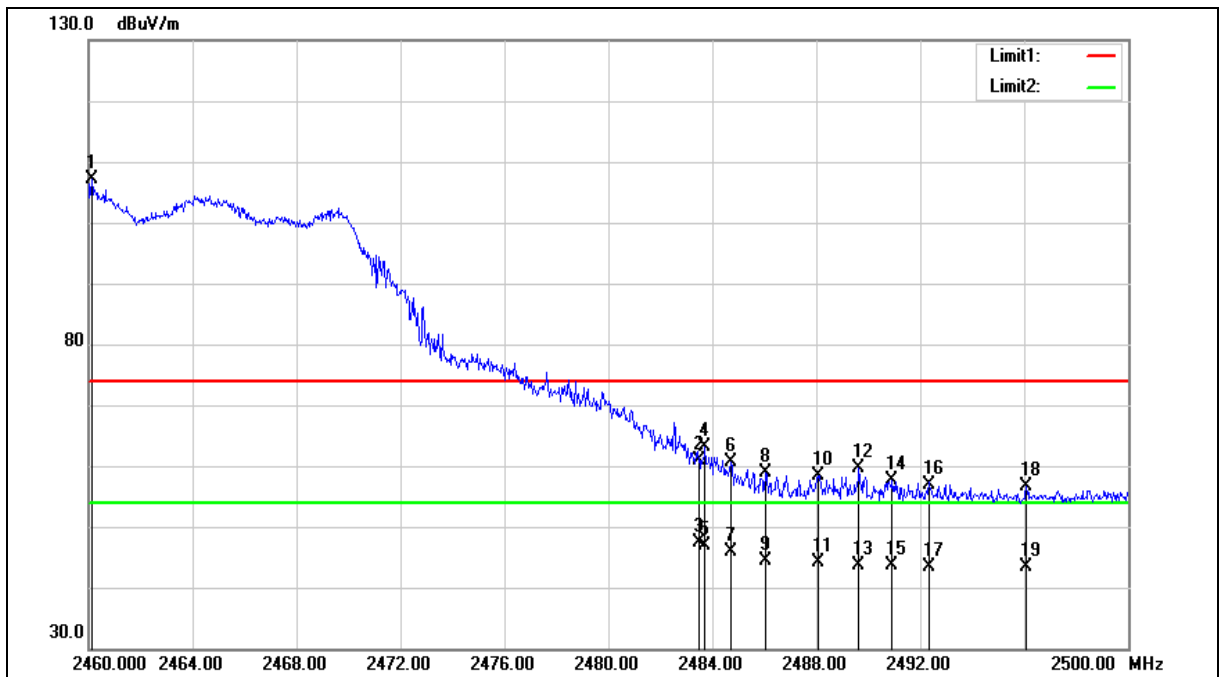
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.120	107.63	-0.52	107.11	--	--	peak
2	2483.500	61.21	-0.40	60.81	74.00	-13.19	peak
3	2483.500	47.81	-0.40	47.41	54.00	-6.59	AVG
4	2483.720	63.61	-0.40	63.21	74.00	-10.79	peak
5	2483.720	47.18	-0.40	46.78	54.00	-7.22	AVG
6	2484.720	61.13	-0.39	60.74	74.00	-13.26	peak
7	2484.720	46.23	-0.39	45.84	54.00	-8.16	AVG
8	2486.040	59.27	-0.38	58.89	74.00	-15.11	peak
9	2486.040	44.70	-0.38	44.32	54.00	-9.68	AVG
10	2488.080	58.75	-0.37	58.38	74.00	-15.62	peak
11	2488.080	44.41	-0.37	44.04	54.00	-9.96	AVG
12	2489.640	59.88	-0.37	59.51	74.00	-14.49	peak
13	2489.640	44.10	-0.37	43.73	54.00	-10.27	AVG
14	2490.920	57.90	-0.36	57.54	74.00	-16.46	peak
15	2490.920	43.90	-0.36	43.54	54.00	-10.46	AVG
16	2492.360	57.22	-0.35	56.87	74.00	-17.13	peak
17	2492.360	43.84	-0.35	43.49	54.00	-10.51	AVG
18	2496.080	56.93	-0.33	56.60	74.00	-17.40	peak
19	2496.080	43.65	-0.33	43.32	54.00	-10.68	AVG

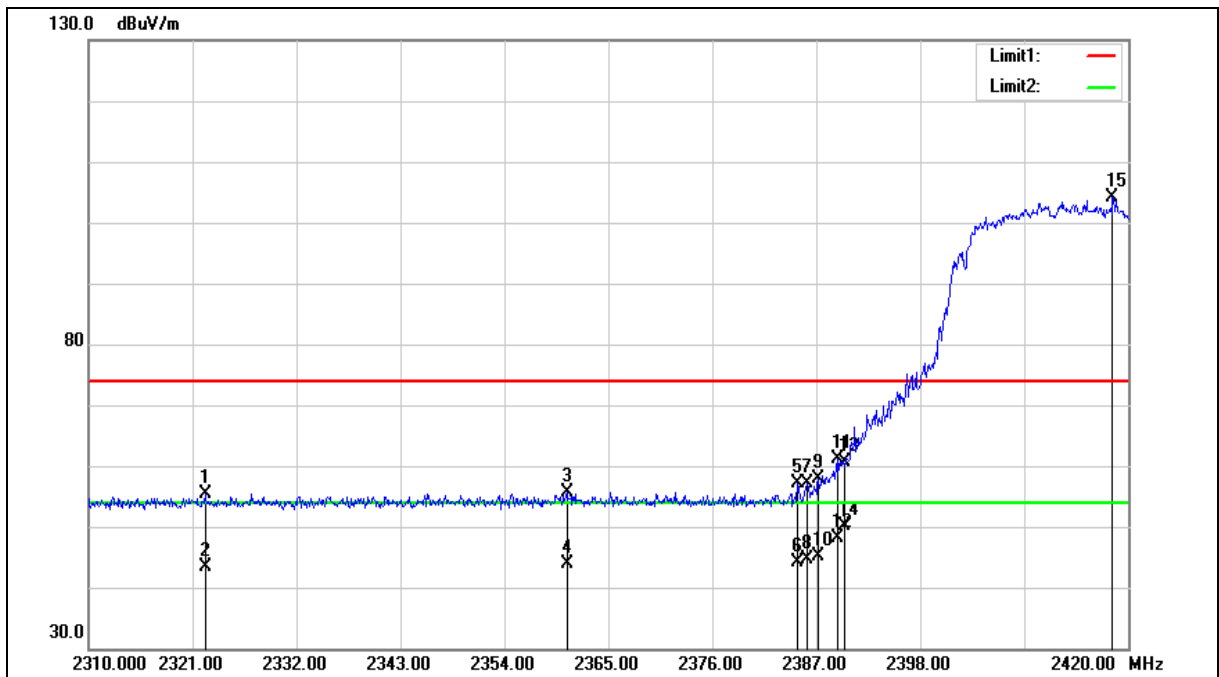
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2322.320	56.68	-1.21	55.47	74.00	-18.53	peak
2	2322.320	44.63	-1.21	43.42	54.00	-10.58	AVG
3	2360.600	56.59	-1.02	55.57	74.00	-18.43	peak
4	2360.600	44.96	-1.02	43.94	54.00	-10.06	AVG
5	2385.020	58.07	-0.90	57.17	74.00	-16.83	peak
6	2385.020	45.09	-0.90	44.19	54.00	-9.81	AVG
7	2386.010	58.10	-0.90	57.20	74.00	-16.80	peak
8	2386.010	45.46	-0.90	44.56	54.00	-9.44	AVG
9	2387.220	58.72	-0.88	57.84	74.00	-16.16	peak
10	2387.220	45.98	-0.88	45.10	54.00	-8.90	AVG
11	2389.200	61.91	-0.88	61.03	74.00	-12.97	peak
12	2389.200	49.03	-0.88	48.15	54.00	-5.85	AVG
13	2390.000	61.50	-0.87	60.63	74.00	-13.37	peak
14	2390.000	50.91	-0.87	50.04	54.00	-3.96	AVG
15	2418.350	104.96	-0.73	104.23	--	--	peak

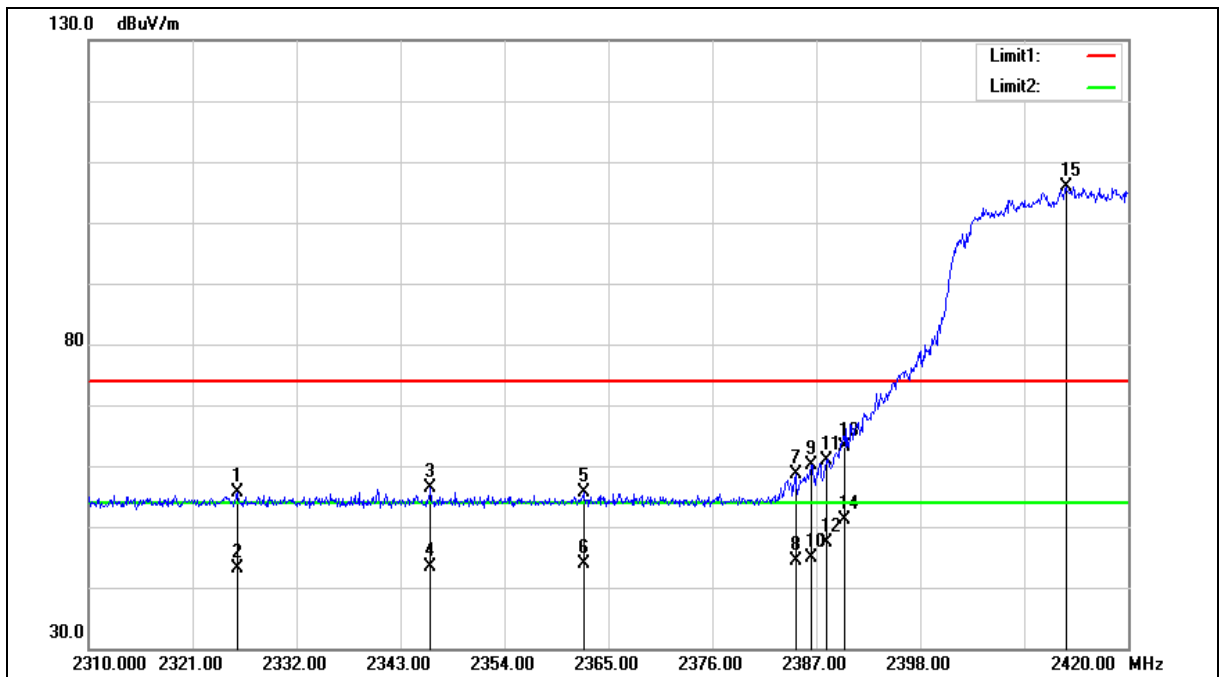
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.730	56.74	-1.19	55.55	74.00	-18.45	peak
2	2325.730	44.24	-1.19	43.05	54.00	-10.95	AVG
3	2346.190	57.56	-1.08	56.48	74.00	-17.52	peak
4	2346.190	44.49	-1.08	43.41	54.00	-10.59	AVG
5	2362.360	56.64	-1.02	55.62	74.00	-18.38	peak
6	2362.360	44.88	-1.02	43.86	54.00	-10.14	AVG
7	2384.800	59.61	-0.90	58.71	74.00	-15.29	peak
8	2384.800	45.35	-0.90	44.45	54.00	-9.55	AVG
9	2386.450	61.13	-0.90	60.23	74.00	-13.77	peak
10	2386.450	45.71	-0.90	44.81	54.00	-9.19	AVG
11	2388.100	61.78	-0.88	60.90	74.00	-13.10	peak
12	2388.100	48.37	-0.88	47.49	54.00	-6.51	AVG
13	2390.000	63.97	-0.87	63.10	74.00	-10.90	peak
14	2390.000	51.96	-0.87	51.09	54.00	-2.91	AVG
15	2413.400	106.70	-0.75	105.95	--	--	peak

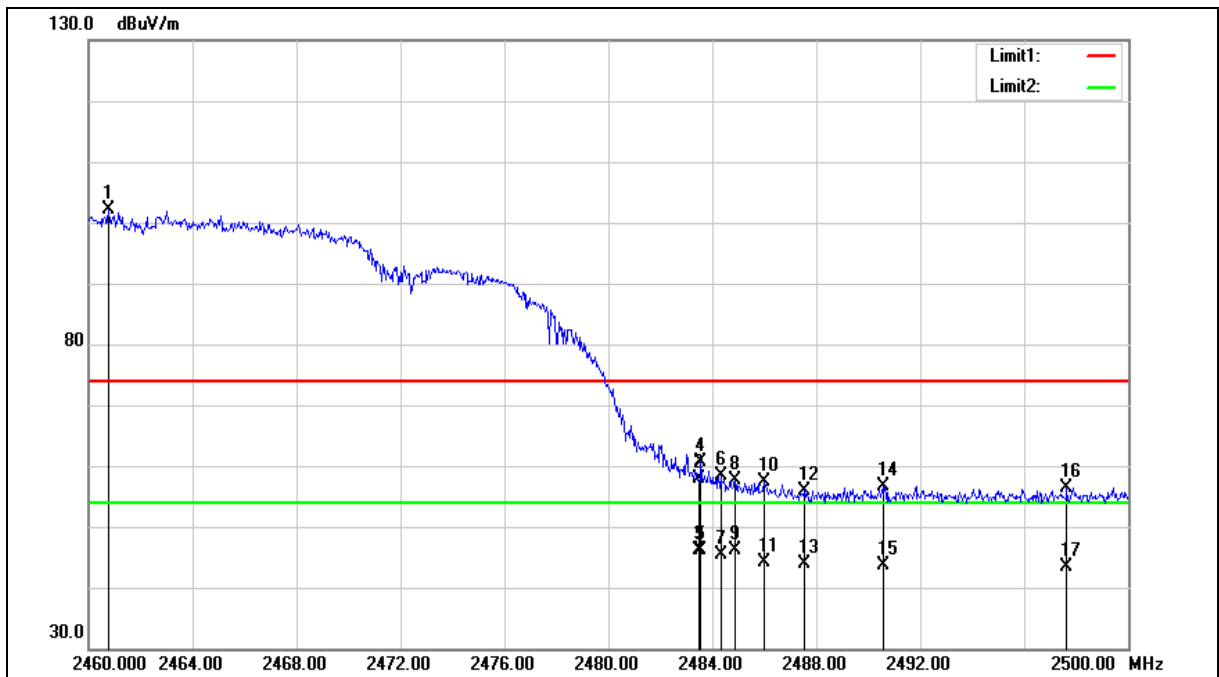
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.760	102.61	-0.51	102.10	--	--	peak
2	2483.500	58.38	-0.40	57.98	74.00	-16.02	peak
3	2483.500	46.52	-0.40	46.12	54.00	-7.88	AVG
4	2483.560	61.08	-0.40	60.68	74.00	-13.32	peak
5	2483.560	46.58	-0.40	46.18	54.00	-7.82	AVG
6	2484.320	58.83	-0.39	58.44	74.00	-15.56	peak
7	2484.320	45.88	-0.39	45.49	54.00	-8.51	AVG
8	2484.880	58.07	-0.39	57.68	74.00	-16.32	peak
9	2484.880	46.41	-0.39	46.02	54.00	-7.98	AVG
10	2486.000	57.79	-0.38	57.41	74.00	-16.59	peak
11	2486.000	44.48	-0.38	44.10	54.00	-9.90	AVG
12	2487.520	56.33	-0.37	55.96	74.00	-18.04	peak
13	2487.520	44.16	-0.37	43.79	54.00	-10.21	AVG
14	2490.600	57.05	-0.36	56.69	74.00	-17.31	peak
15	2490.600	43.89	-0.36	43.53	54.00	-10.47	AVG
16	2497.640	56.77	-0.32	56.45	74.00	-17.55	peak
17	2497.640	43.64	-0.32	43.32	54.00	-10.68	AVG

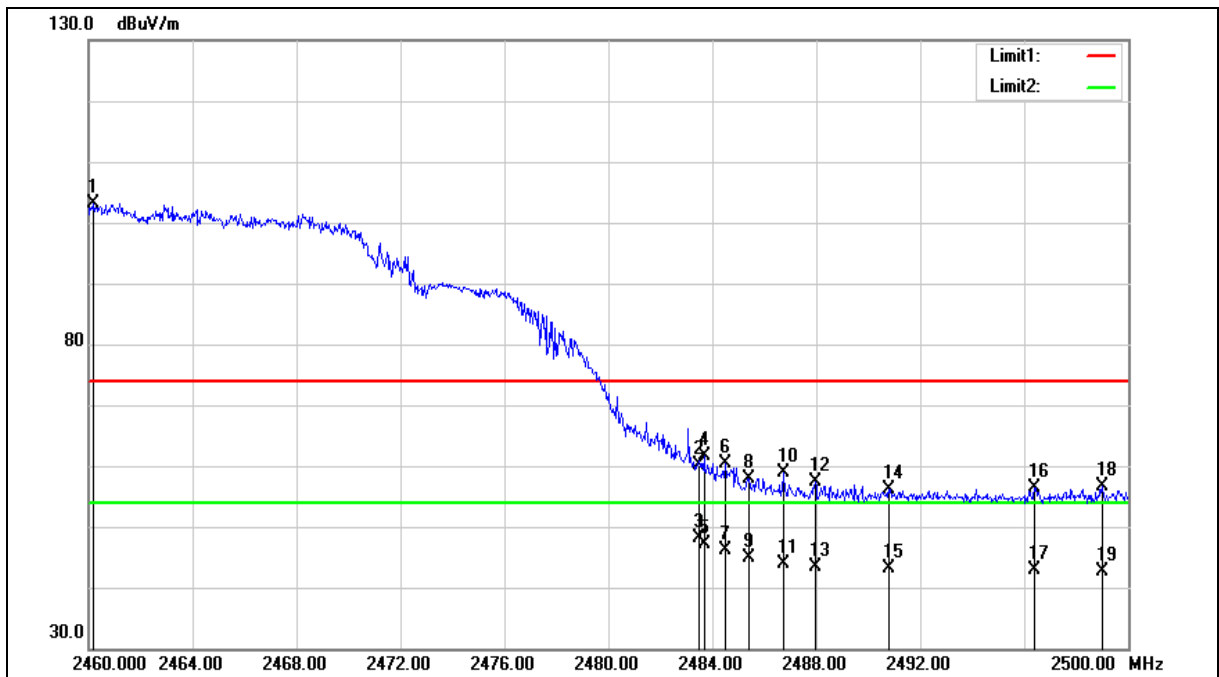
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.200	103.59	-0.52	103.07	--	--	peak
2	2483.500	60.52	-0.40	60.12	74.00	-13.88	peak
3	2483.500	48.48	-0.40	48.08	54.00	-5.92	AVG
4	2483.680	62.08	-0.40	61.68	74.00	-12.32	peak
5	2483.680	47.50	-0.40	47.10	54.00	-6.90	AVG
6	2484.520	60.65	-0.39	60.26	74.00	-13.74	peak
7	2484.520	46.44	-0.39	46.05	54.00	-7.95	AVG
8	2485.400	58.34	-0.39	57.95	74.00	-16.05	peak
9	2485.400	45.31	-0.39	44.92	54.00	-9.08	AVG
10	2486.720	59.14	-0.38	58.76	74.00	-15.24	peak
11	2486.720	44.30	-0.38	43.92	54.00	-10.08	AVG
12	2487.960	57.75	-0.37	57.38	74.00	-16.62	peak
13	2487.960	43.78	-0.37	43.41	54.00	-10.59	AVG
14	2490.800	56.61	-0.36	56.25	74.00	-17.75	peak
15	2490.800	43.41	-0.36	43.05	54.00	-10.95	AVG
16	2496.400	56.60	-0.33	56.27	74.00	-17.73	peak
17	2496.400	43.16	-0.33	42.83	54.00	-11.17	AVG
18	2499.000	56.90	-0.31	56.59	74.00	-17.41	peak
19	2499.000	42.82	-0.31	42.51	54.00	-11.49	AVG

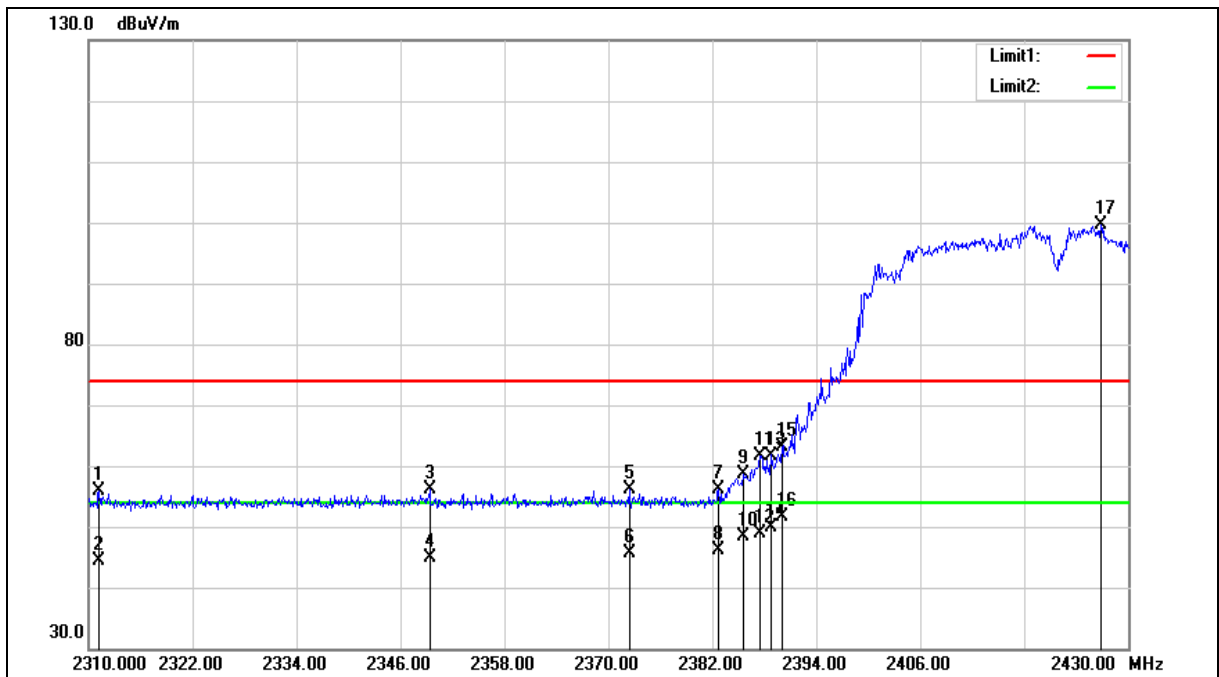
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2311.200	57.09	-1.26	55.83	74.00	-18.17	peak
2	2311.200	45.56	-1.26	44.30	54.00	-9.70	AVG
3	2349.360	57.23	-1.07	56.16	74.00	-17.84	peak
4	2349.360	45.96	-1.07	44.89	54.00	-9.11	AVG
5	2372.400	57.06	-0.96	56.10	74.00	-17.90	peak
6	2372.400	46.65	-0.96	45.69	54.00	-8.31	AVG
7	2382.720	57.10	-0.91	56.19	74.00	-17.81	peak
8	2382.720	47.14	-0.91	46.23	54.00	-7.77	AVG
9	2385.600	59.49	-0.90	58.59	74.00	-15.41	peak
10	2385.600	49.33	-0.90	48.43	54.00	-5.57	AVG
11	2387.520	62.56	-0.88	61.68	74.00	-12.32	peak
12	2387.520	49.75	-0.88	48.87	54.00	-5.13	AVG
13	2388.720	62.63	-0.88	61.75	74.00	-12.25	peak
14	2388.720	50.84	-0.88	49.96	54.00	-4.04	AVG
15	2390.000	63.96	-0.87	63.09	74.00	-10.91	peak
16	2390.000	52.43	-0.87	51.56	54.00	-2.44	AVG
17	2426.880	100.38	-0.69	99.69	--	--	peak

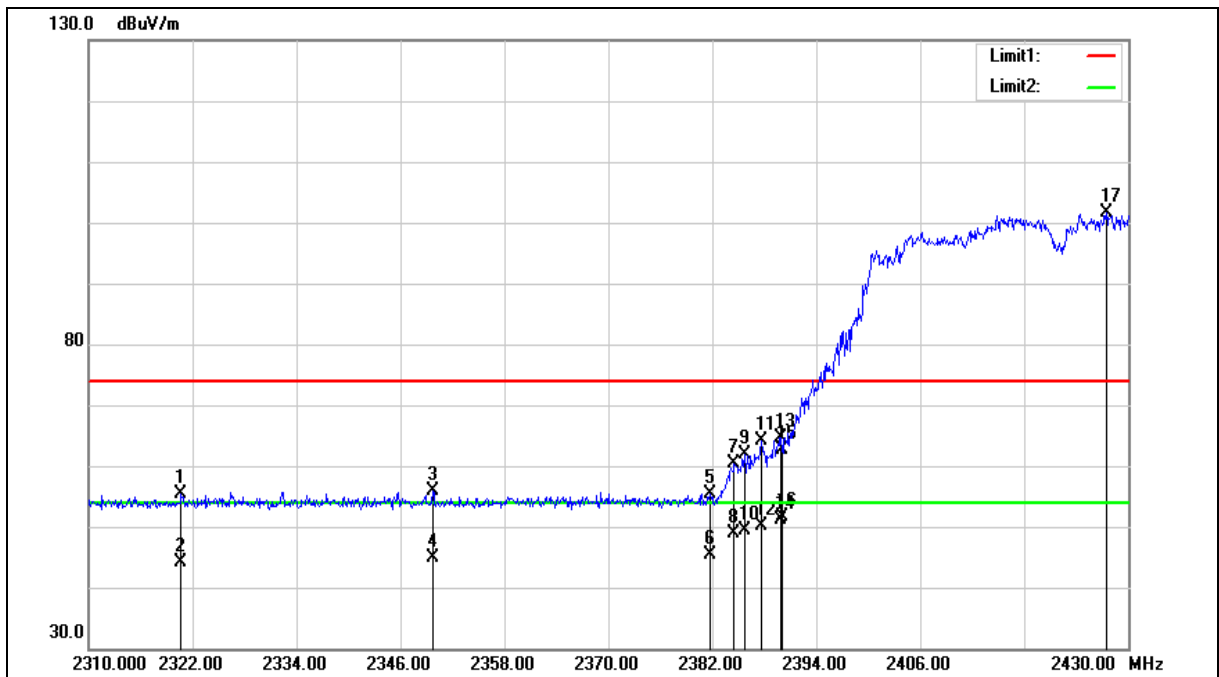
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2320.680	56.56	-1.22	55.34	74.00	-18.66	peak
2	2320.680	45.32	-1.22	44.10	54.00	-9.90	AVG
3	2349.720	56.88	-1.07	55.81	74.00	-18.19	peak
4	2349.720	45.89	-1.07	44.82	54.00	-9.18	AVG
5	2381.760	56.32	-0.91	55.41	74.00	-18.59	peak
6	2381.760	46.27	-0.91	45.36	54.00	-8.64	AVG
7	2384.520	61.24	-0.90	60.34	74.00	-13.66	peak
8	2384.520	49.68	-0.90	48.78	54.00	-5.22	AVG
9	2385.720	62.77	-0.90	61.87	74.00	-12.13	peak
10	2385.720	50.34	-0.90	49.44	54.00	-4.56	AVG
11	2387.640	65.03	-0.88	64.15	74.00	-9.85	peak
12	2387.640	51.06	-0.88	50.18	54.00	-3.82	AVG
13	2389.920	65.46	-0.87	64.59	74.00	-9.41	peak
14	2389.920	51.97	-0.87	51.10	54.00	-2.90	AVG
15	2390.000	63.46	-0.87	62.59	74.00	-11.41	peak
16	2390.000	52.39	-0.87	51.52	54.00	-2.48	AVG
17	2427.480	102.37	-0.68	101.69	--	--	peak

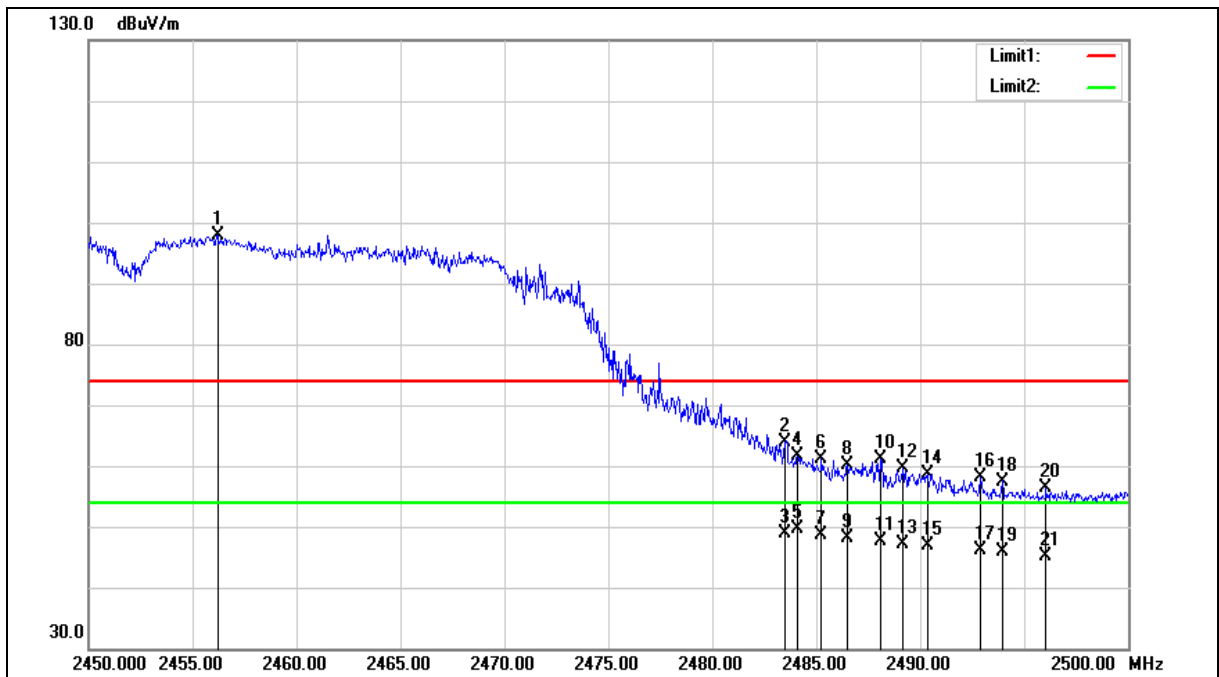
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2456.200	98.42	-0.54	97.88	--	--	peak
2	2483.500	64.39	-0.40	63.99	74.00	-10.01	peak
3	2483.500	49.29	-0.40	48.89	54.00	-5.11	AVG
4	2484.100	61.96	-0.39	61.57	74.00	-12.43	peak
5	2484.100	49.91	-0.39	49.52	54.00	-4.48	AVG
6	2485.250	61.49	-0.39	61.10	74.00	-12.90	peak
7	2485.250	48.91	-0.39	48.52	54.00	-5.48	AVG
8	2486.500	60.47	-0.38	60.09	74.00	-13.91	peak
9	2486.500	48.41	-0.38	48.03	54.00	-5.97	AVG
10	2488.100	61.42	-0.37	61.05	74.00	-12.95	peak
11	2488.100	47.96	-0.37	47.59	54.00	-6.41	AVG
12	2489.150	60.01	-0.37	59.64	74.00	-14.36	peak
13	2489.150	47.45	-0.37	47.08	54.00	-6.92	AVG
14	2490.350	59.01	-0.36	58.65	74.00	-15.35	peak
15	2490.350	47.23	-0.36	46.87	54.00	-7.13	AVG
16	2492.900	58.41	-0.34	58.07	74.00	-15.93	peak
17	2492.900	46.44	-0.34	46.10	54.00	-7.90	AVG
18	2493.950	57.84	-0.34	57.50	74.00	-16.50	peak
19	2493.950	46.10	-0.34	45.76	54.00	-8.24	AVG
20	2496.050	56.80	-0.33	56.47	74.00	-17.53	peak
21	2496.050	45.56	-0.33	45.23	54.00	-8.77	AVG

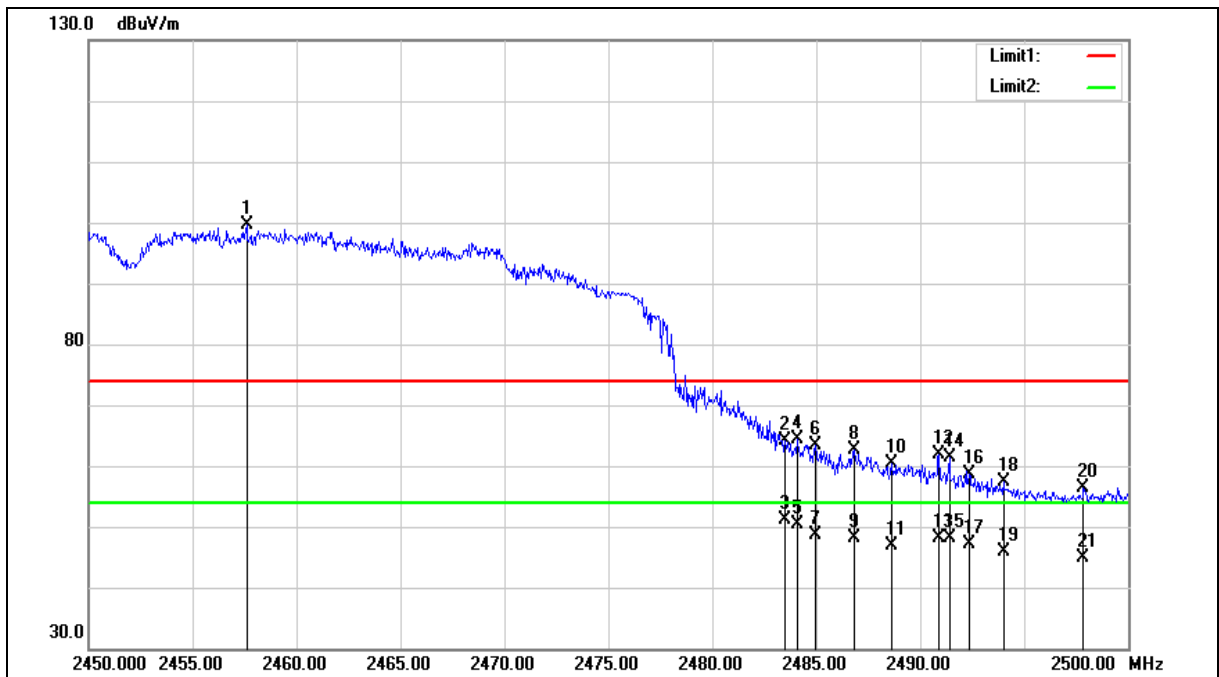
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2457.600	100.05	-0.52	99.53	--	--	peak
2	2483.500	64.45	-0.40	64.05	74.00	-9.95	peak
3	2483.500	51.52	-0.40	51.12	54.00	-2.88	AVG
4	2484.100	64.77	-0.39	64.38	74.00	-9.62	peak
5	2484.100	50.67	-0.39	50.28	54.00	-3.72	AVG
6	2484.950	63.66	-0.39	63.27	74.00	-10.73	peak
7	2484.950	49.14	-0.39	48.75	54.00	-5.25	AVG
8	2486.800	63.08	-0.37	62.71	74.00	-11.29	peak
9	2486.800	48.45	-0.37	48.08	54.00	-5.92	AVG
10	2488.600	60.86	-0.37	60.49	74.00	-13.51	peak
11	2488.600	47.30	-0.37	46.93	54.00	-7.07	AVG
12	2490.900	62.14	-0.36	61.78	74.00	-12.22	peak
13	2490.900	48.59	-0.36	48.23	54.00	-5.77	AVG
14	2491.400	61.62	-0.35	61.27	74.00	-12.73	peak
15	2491.400	48.45	-0.35	48.10	54.00	-5.90	AVG
16	2492.350	59.10	-0.35	58.75	74.00	-15.25	peak
17	2492.350	47.58	-0.35	47.23	54.00	-6.77	AVG
18	2494.000	57.83	-0.34	57.49	74.00	-16.51	peak
19	2494.000	46.10	-0.34	45.76	54.00	-8.24	AVG
20	2497.850	56.82	-0.32	56.50	74.00	-17.50	peak
21	2497.850	45.23	-0.32	44.91	54.00	-9.09	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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