

RF Test Report

Applicant : Control4

Product Type : 802.11ac 4x4 Wave 2 Access Point

Trade Name : pakedge

Model Number : WA-4200, WA-4200-1, WA-4200-C, WA-4200-C-1

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

Received Date : May 30, 2019

Test Period : Aug. 07 ~ Nov. 15, 2019

Issued Date : Nov. 21, 2019

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
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Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW0010

Note:

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



Revision History

Rev.	Issued Date	Revisions	Revised By
00	Oct. 01, 2019	Initial Issue	Tobey Cheng
01	Nov. 21, 2019	1. Removed EUT modify description. 2. Retest conducted and radiated emission (above 1GHz).	Tobey Cheng

Verification of Compliance

Issued Date: Nov. 21, 2019

Applicant : Control4
Product Type : 802.11ac 4x4 Wave 2 Access Point
Trade Name : pakedge
Model Number : WA-4200, WA-4200-1, WA-4200-C, WA-4200-C-1
FCC ID : R33WA4200
EUT Rated Voltage : DC 12 V, 2 A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Test Result : Complied
Performing Lab. : A Test Lab Techno Corp.

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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 : Fly Lu Reviewed By : Ken Yang
(Manager) (Fly Lu) (Testing Engineer) (Ken Yang)

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.407(b)(6) 15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Conducted Output Power	PASS	---
15.407(a)	26 dB RF Bandwidth & 99 % Occupied Bandwidth	Reference	---
15.407(e)	6 dB RF Bandwidth	PASS	---
15.407(a)	Maximum Power Spectral Density	PASS	---
15.407(c)	Automatically discontinue transmission	PASS	---
15.407(a) 15.203	Antenna Requirement	PASS	---

Standard	Description
CFR47, Part 15, Subpart C §15.247	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 v05	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

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.8
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.6
	18000 MHz ~ 26500 MHz	4.9
	26500 MHz ~ 40000 MHz	4.8
Conducted Output Power		+0.27 dB / -0.28 dB
RF Bandwidth		4.96 %
Power Spectral Density		+0.71 dB / -0.77 dB
Frequency Stability		+ 2.212 x 10 ⁻⁷ % / - 2.170 x 10 ⁻⁷
Duty Cycle		1.06 %
Time Occupancy		1.40 %

Decision Rule

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



2 EUT Description

Applicant	Control4 11734 S. Election Road, Draper, Utah, 84020, United States				
Manufacturer	Control4 11734 S. Election Road, Draper, Utah, 84020, United States				
Product Type	802.11ac 4x4 Wave 2 Access Point				
Trade Name	pakedge				
Model No.	WA-4200, WA-4200-1, WA-4200-C, WA-4200-C-1				
Difference description	Difference is due to selling region.				
FCC ID	R33WA4200				
Operate Frequency	Frequency Band			Frequency Range (MHz)	Number of Channels
	IEEE 802.11a	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band I	5190 – 5230	2	
		U-NII Band III	5755 – 5795	2	
IEEE 802.11ac 80 MHz	U-NII Band I	5210	1		
	U-NII Band III	5775	1		
Modulation Type	OFDM				
Equipment Type	Master				
Antenna information	Antenna	Model	Type	Frequency Range (MHz)	Max. Gain (dBi)
	ANT-0	5718A0350300	Metal PIFA Antenna	5150 – 5250	4.78
				5725 – 5850	5.07
	ANT-1	5718A0351300	Metal PIFA Antenna	5150 – 5250	4.61
				5725 – 5850	5.50
	ANT-2	5718A0352300	Metal PIFA Antenna	5150 – 5250	4.31
				5725 – 5850	5.36
	ANT-3	5718A0353300	Metal PIFA Antenna	5150 – 5250	4.15
5725 – 5850				5.84	
Antenna Delivery	Reference section 3.1				
Frequency stability specification	± 20 ppm				
Operate Temp. Range	0 ~ +50 °C				



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.182
	U-NII Band III	0.316
IEEE 802.11n 5 GHz 20 MHz	U-NII Band I	0.254
	U-NII Band III	0.213
IEEE 802.11n 5 GHz 40 MHz	U-NII Band I	0.248
	U-NII Band III	0.202
IEEE 802.11ac 20 MHz	U-NII Band I	0.271
	U-NII Band III	0.232
IEEE 802.11ac 40 MHz	U-NII Band I	0.262
	U-NII Band III	0.213
IEEE 802.11ac 80 MHz	U-NII Band I	0.112
	U-NII Band III	0.232

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.060
	U-NII Band III	0.053
IEEE 802.11ac 40 MHz	U-NII Band I	0.056
	U-NII Band III	0.046
IEEE 802.11ac 80 MHz	U-NII Band I	0.024
	U-NII Band III	0.050

Equipment Type		
Outdoor access point	point-to-point	---
	point-to-multipoint	---
Indoor access point		V
Fixed point-to-point access points		---
Client devices		---

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 802.11a Continuous TX mode
Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode
Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode
Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode
Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode
Mode 7: IEEE 802.11ac 80 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.

Note: Investigation has been done on all the possible configurations for searching the worst cases (VHT20/40 covers HT20/40). The table is a list of the test modes show in this test report.

Test Mode	ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
Mode 2	V	V	V	V	V
Mode 3	V	V	V	V	V
Mode 4	V	V	V	V	V
Mode 5	V	V	V	V	V
Mode 6	V	V	V	V	V
Mode 7	V	V	V	V	V



Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	4TX (CDD)	6	U-NII Band I	36, 40, 44, 48
			U-NII Band III	149, 153, 157, 161, 165
Mode 3	4TX (STBC)	26	U-NII Band I	36, 40, 44, 48
			U-NII Band III	149, 153, 157, 161, 165
Mode 4	4TX (STBC)	54	U-NII Band I	38, 46
			U-NII Band III	151, 159
Mode 5	4TX (STBC/Beamforming on)	26	U-NII Band I	36, 40, 44, 48
			U-NII Band III	149, 153, 157, 161, 165
Mode 6	4TX (STBC/Beamforming on)	54	U-NII Band I	38, 46
			U-NII Band III	151, 159
Mode 7	4TX (STBC/Beamforming on)	117.2	U-NII Band I	42
			U-NII Band III	155

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	5180.0	2.050	2.090	0.981	0.084	0.010
Mode 5	5180.0	5.010	5.040	0.994	0.026	0.010
Mode 6	5190.0	2.440	2.480	0.984	0.071	0.010
Mode 7	5210.0	1.160	1.200	0.967	0.147	0.862

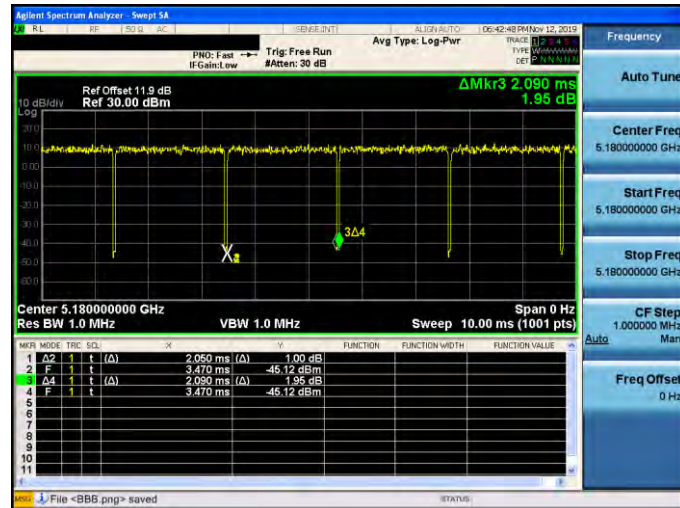
Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 5	5180.0	5.010	5.040	0.994	0.026	0.010
Mode 6	5190.0	2.440	2.480	0.984	0.071	0.010
Mode 7	5210.0	1.160	1.200	0.967	0.147	0.862

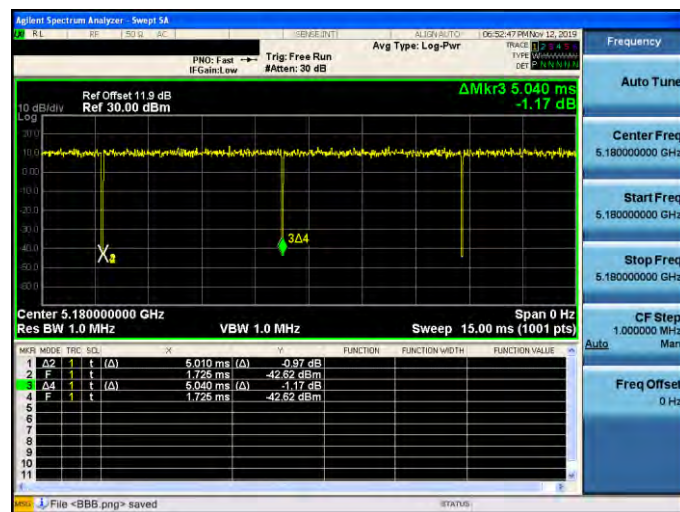


Duty Cycle Graphs

Mode 2: IEEE 802.11a Continuous TX mode

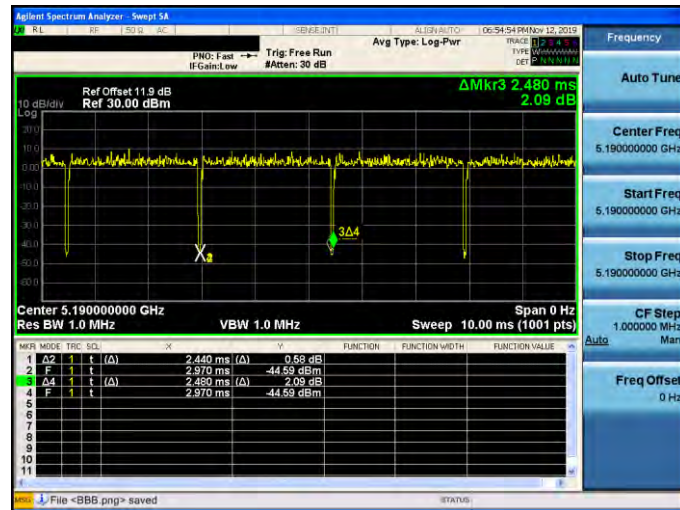


Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode

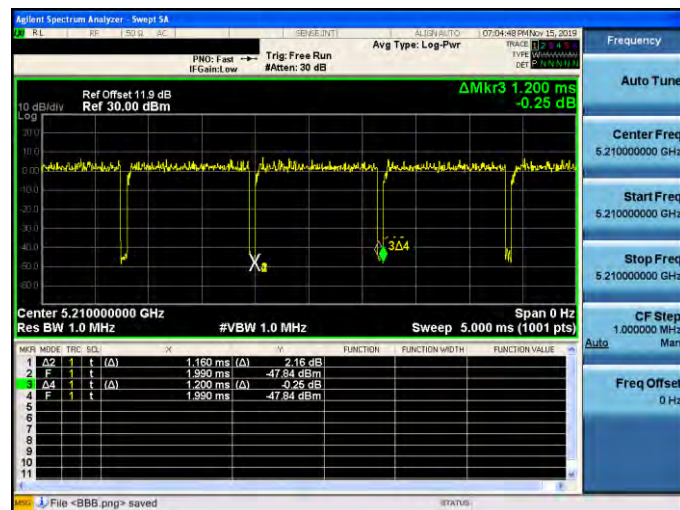




Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode

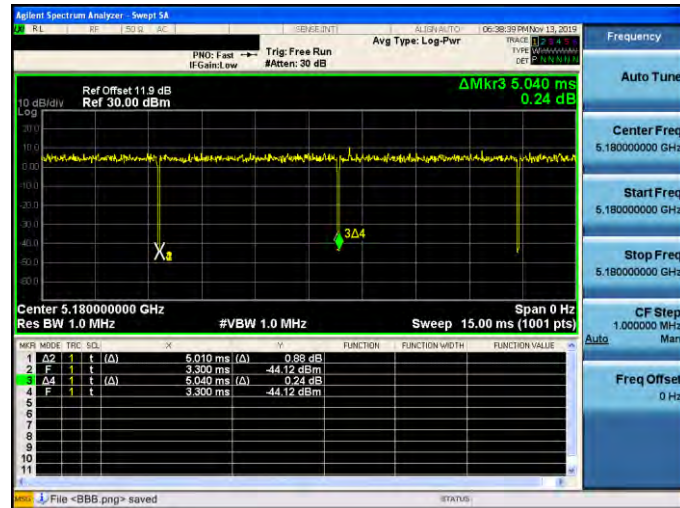


Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode

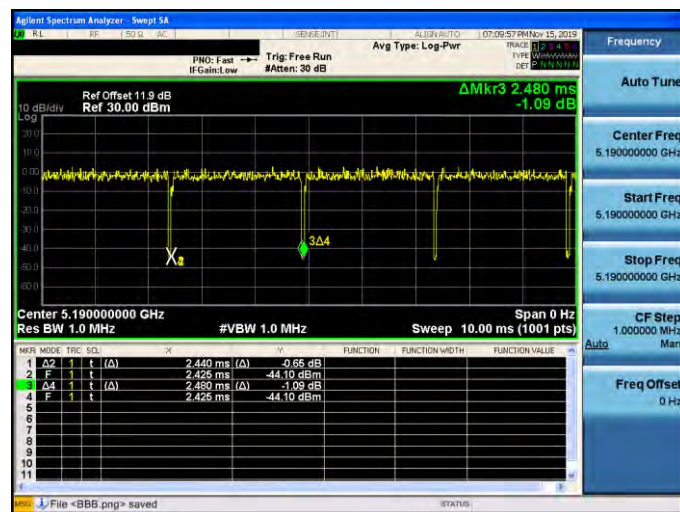


Beamforming on

Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode

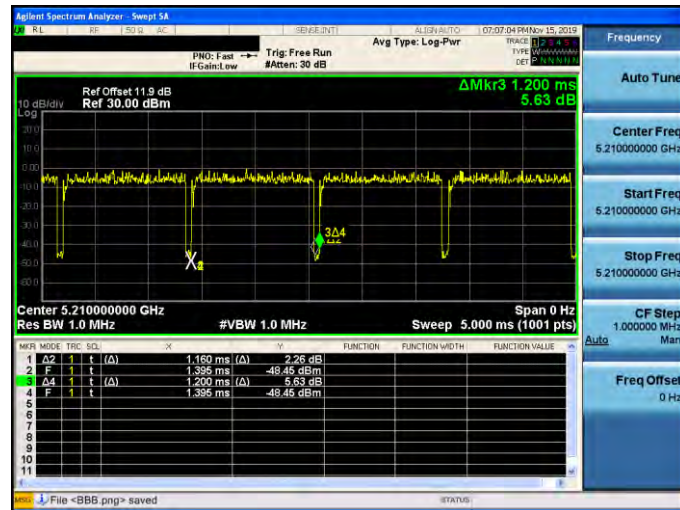


Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode





Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode



3.2. EUT Test Step

The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement.

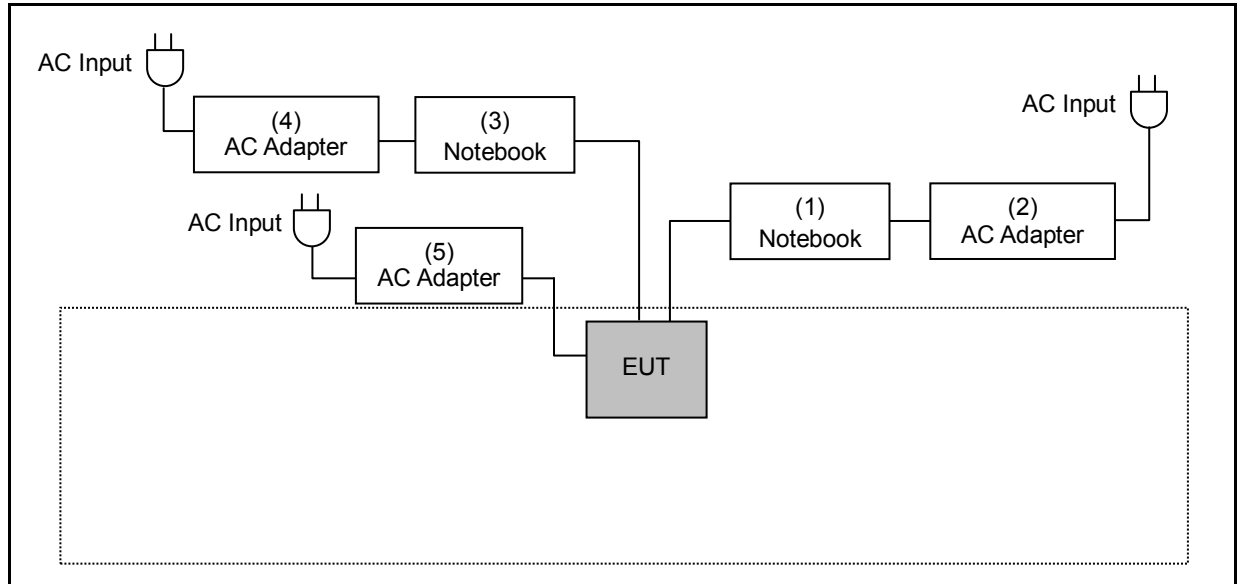
According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

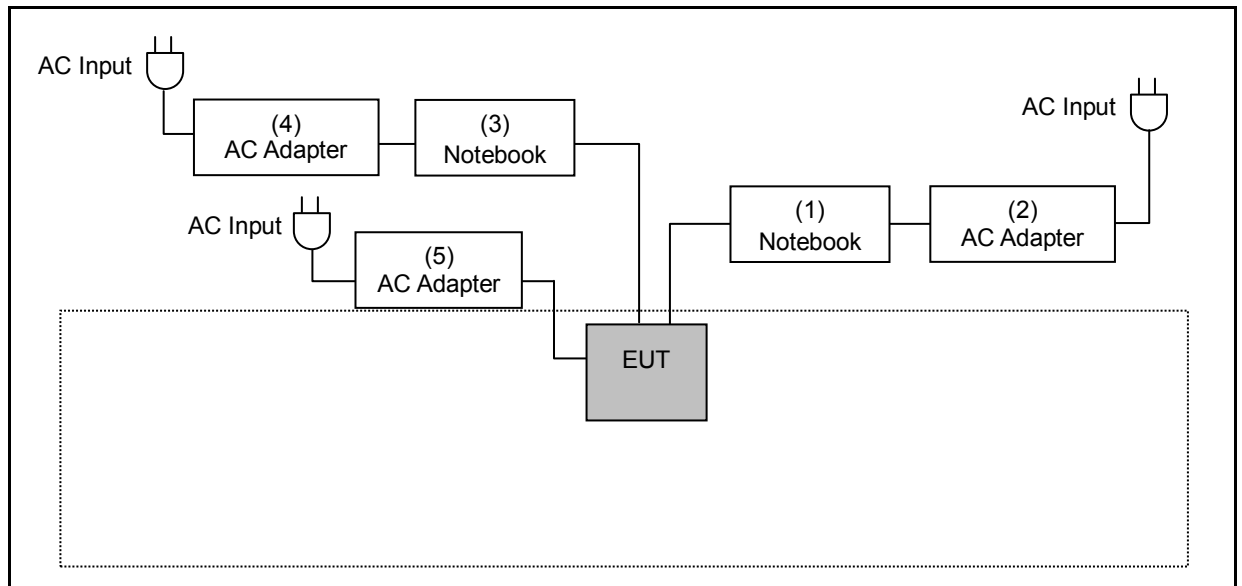
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	HP	PROBOOK 4421s	CNF1182X1G	---
(2)	AC Adapter	HP	Series PPP012H-S	---	Non-Shielded, 1.7 m
(3)	Notebook	DELL	LATITUDE E5440	BRTQXY1	---
(4)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(5)	AC Adapter	APD	WB-24J12R	---	I/P: 100-240 VAC, 50-60 Hz, 0.7 A O/P: 12 VDC, 2 A
(6)	AC Adapter	APD	WB-24J12FU	---	I/P: 100-240 VAC, 50-60 Hz, 0.7 A O/P: 12 VDC, 2 A

Note : The device used two models of adapter, adapter number: WB-24J12R is worst case to perform testing.

3.4. Test Instruments

For Conducted Emission

Test Period: Aug. 07, 2019

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	101040	04/03/2019	1 year
LISN	R&S	ENV216	101041	03/28/2019	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/23/2019	1 year

For Radiated Emissions

Test Period: Nov. 08 ~ Nov. 10, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/14/2019	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	01/14/2019	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/23/2019	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	02/20/2019	1 year
Microwave Cable	EMCI	EMC104-SM -SM-13000	170814	10/29/2019	1 year
Microwave Cable	EMCI	EMC102-KM -KM-14000	151001	02/20/2019	1 year

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



For Conducted

Test Period: Nov. 11 ~ Nov. 15, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year
Power Sensor	Anritsu	MA2411B	1126022	09/03/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/03/2019	1 year

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

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	990

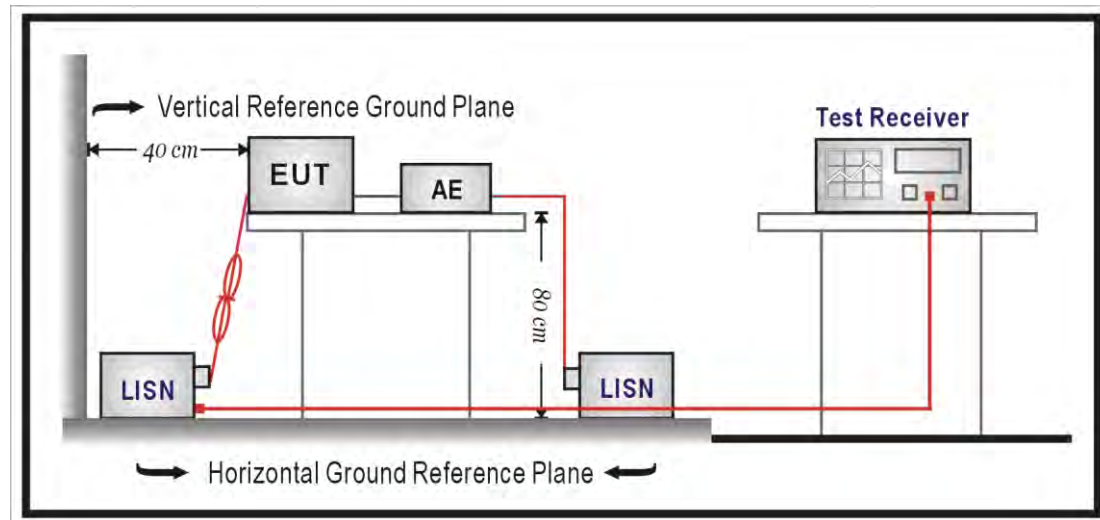
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance with 50 ohm termination.

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

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

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

(1)Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (a)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (b)For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (c)For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (d)For transmitters operating in the 5.725-5.85 GHz band:
 - (i)All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2)Limits of Radiated Emission Measurement

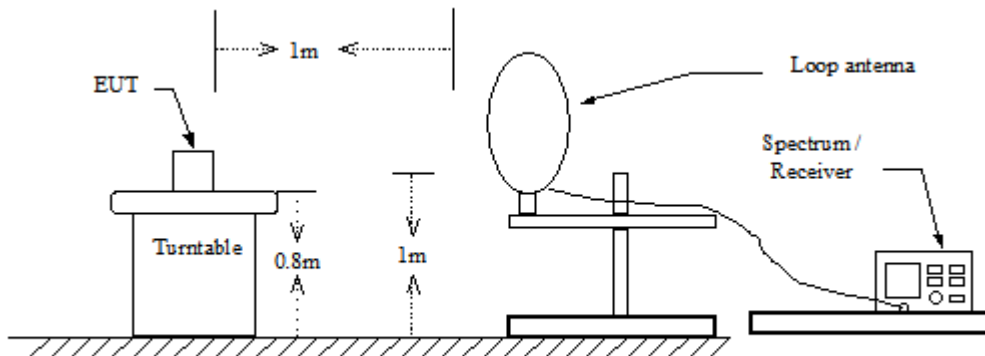
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequency Range (MHz)	Field Strength (microvolts/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	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

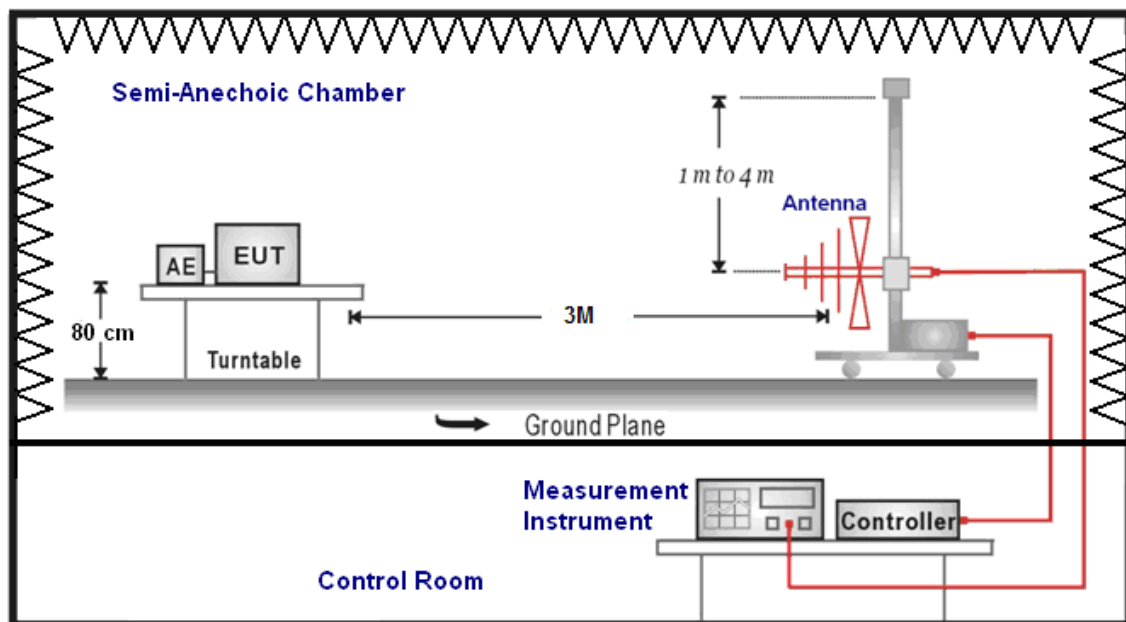
- Note:
1. The lower limit shall apply at the transition frequencies.
 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
 3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

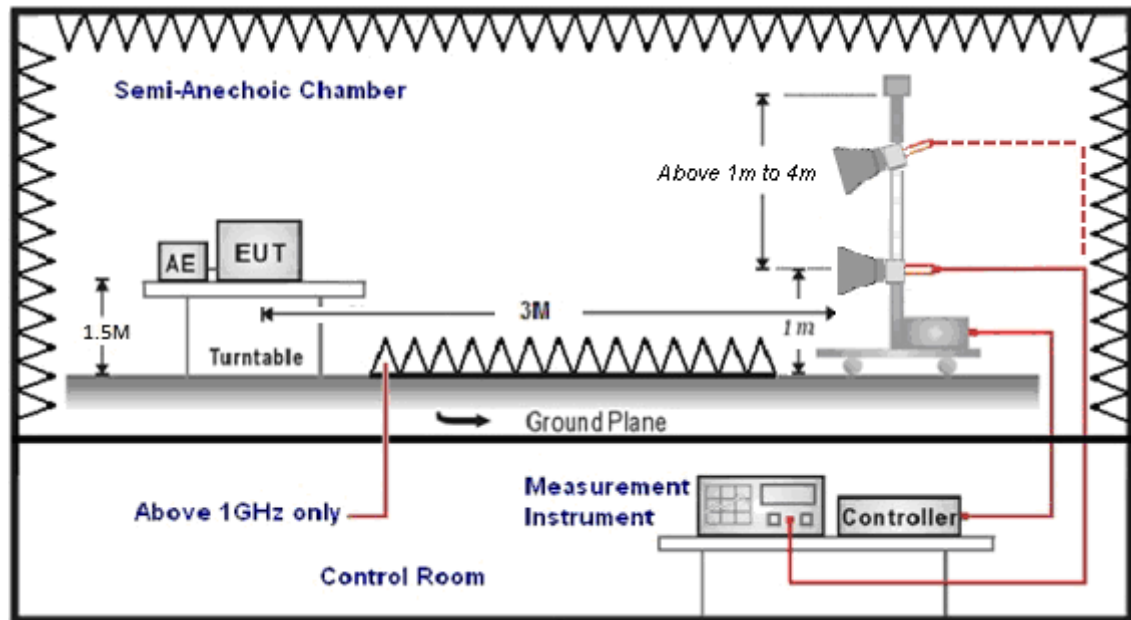
9 kHz ~ 30 MHz



30 MHz ~ 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 (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), 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 40 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 restricted 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.

For out of band 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.

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 Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antenna Schwarzbeck Mess-Elektronik Broadband Horn Antenna was used in frequencies 1 – 40 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 per meter (uV/m).

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

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

(1) $\text{Amplitude (dBuV/m)} = \text{FI (dBuV)} + \text{AF (dBuV)} + \text{CL (dBuV)} - \text{Gain (dB)}$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

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

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

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

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

Measuring Instruments and setting

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW/VBW(Emission in restricted band)	1 MHz / 3 MHz for Peak 1 MHz / (1/T) for Average
RBW/VBW(Emission in non-restricted band)	1 MHz / 3 MHz for Peak

4.3. Maximum Conducted Output Power Measurement

■ Limit

Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit
	Master
5.150 ~ 5.250 GHz	The lesser of 1 W (30 dBm)
5.725 ~ 5.850 GHz	The lesser of 1 W (30 dBm)

According FCC KDB 662911 D01 v02r01 – for power measurements on IEEE802.11 devices,

IEEE 802.11a/IEEE 802.11n 5 GHz 20 MHz/IEEE 802.11n 5 GHz 40 MHz/IEEE 802.11ac 20 MHz/
IEEE 802.11ac 40 MHz/ IEEE 802.11ac 80 MHz

Band I :

* Directional Gain = $10 \cdot \log\left[\frac{10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}}{NANT}\right] = 4.47 \text{ dBi} < 6 \text{ dBi}$

* Power Limit = 30 dBm

Band III :

* Directional Gain = $10 \cdot \log\left[\frac{10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}}{NANT}\right] = 5.45 \text{ dBi} < 6 \text{ dBi}$

* Power Limit = 30 dBm

Beamforming on

IEEE 802.11ac 20 MHz/IEEE 802.11ac 40 MHz/ IEEE 802.11ac 80 MHz

Band I :

* Directional Gain = $10 \cdot \log\left[\frac{10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}}{NANT}\right]^2 = 10.49 \text{ dBi} > 6 \text{ dBi}$

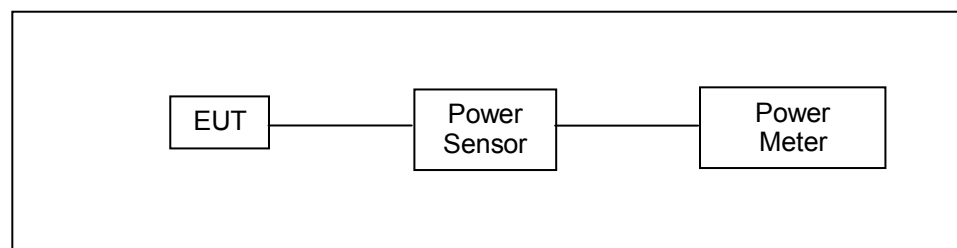
* Power Limit = $30 - 4.49 = 25.51 \text{ dBm}$

Band III :

* Directional Gain = $10 \cdot \log\left[\frac{10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}}{NANT}\right]^2 = 11.47 \text{ dBi} > 6 \text{ dBi}$

* Power Limit = $30 - 5.47 = 24.53 \text{ dBm}$

■ Test Setup



■ Test Procedure

The test is performed in accordance with ANSI C63.10:2013 section 12.3.3.2, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

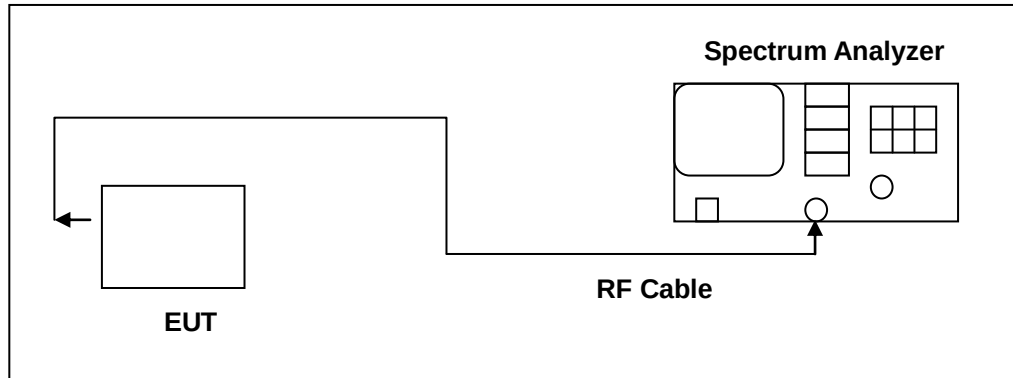
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.4, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	>26 dB Bandwidth
RBW	Approximately 1 % of the emission bandwidth
VBW	VBW > RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

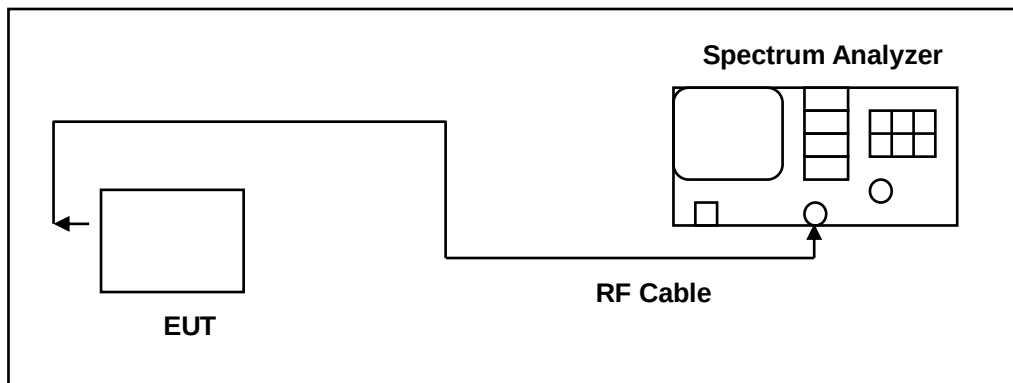
4.5. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth

Systems using digital modulation techniques may operate in the 5725~5850 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.

■ Test Setup



■ Test Procedure

6 dB RF Bandwidth

The EUT tested to UNII test procedure of ANSI C63.10:2013 section 6.9.2 for compliance to FCC 47CFR 15.407 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW 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.

4.6. Maximum Power Spectral Density Measurement

■ Limit

Conducted power spectral density

Frequency Range (MHz)	FCC Limit
	Client
5.150 ~ 5.250 GHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz

According FCC KDB 662911 D01 v02r01 – for power spectral density measurements on IEEE802.11 devices,

IEEE 802.11a

Band I :

* Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 10.49 dBi > 6 dBi

* Conducted Power Spectral Density Limit = 17 - 4.49 = 12.51 dBm/MHz

Band III :

* Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 11.47 dBi > 6 dBi

* Conducted Power Spectral Density Limit = 30 - 5.47 = 24.53 dBm/500 kHz

IEEE 802.11ac 20 MHz/IEEE 802.11ac 40 MHz/ IEEE 802.11ac 80 MHz

Band I :

* Directional Gain = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 4.47 dBi < 6 dBi

* Conducted Power Spectral Density Limit = 17 dBm/MHz

Band III :

* Directional Gain = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 5.45 dBi < 6 dBi

* Conducted Power Spectral Density Limit = 30 dBm/500 kHz

Beamforming on

IEEE 802.11ac 20 MHz/IEEE 802.11ac 40 MHz/ IEEE 802.11ac 80 MHz

Band I :

* Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 10.49 dBi > 6 dBi;

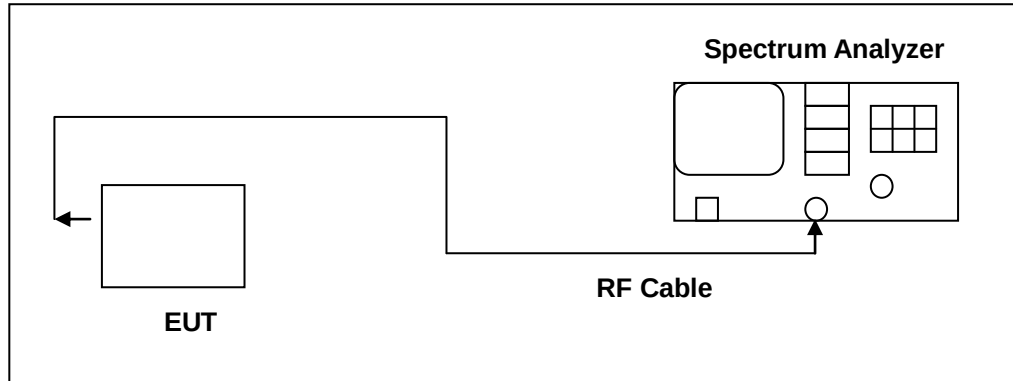
* Conducted Power Spectral Density Limit = 17 - 4.49 = 12.51 dBm/MHz

Band III :

* Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 11.47 dBi > 6 dBi

* Conducted Power Spectral Density Limit = 30 - 5.47 = 24.53 dBm/500 KHz

■ Test Setup



■ Test Procedure

The test is performed in accordance with ANSI C63.10:2013 section 12.5, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz (5725 ~ 5850 MHz use 100 kHz)
VBW	3 MHz (5725 ~ 5850 MHz use 300 kHz)
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log(500 \text{ kHz}/100 \text{ kHz})$ to the measured result.	

4.7. Automatically discontinue transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

■ Declare

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

4.8. Antenna Requirement

■ 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 15.407 (a), 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 Connector Construction

See section 2 – antenna information.

■ Directional Gain Calculated

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11n 5 GHz 20 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11n 5 GHz 40 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11ac 20 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11ac 40 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11ac 80 MHz	U-NII Band I	4.47
	U-NII Band III	5.45



Beamforming on

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	10.49
	U-NII Band III	11.47
IEEE 802.11ac 40 MHz	U-NII Band I	10.49
	U-NII Band III	11.47
IEEE 802.11ac 80 MHz	U-NII Band I	10.49
	U-NII Band III	11.47

For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	10.49
	U-NII Band III	11.47
IEEE 802.11ac 20 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11ac 40 MHz	U-NII Band I	4.47
	U-NII Band III	5.45
IEEE 802.11ac 80 MHz	U-NII Band I	4.47
	U-NII Band III	5.45

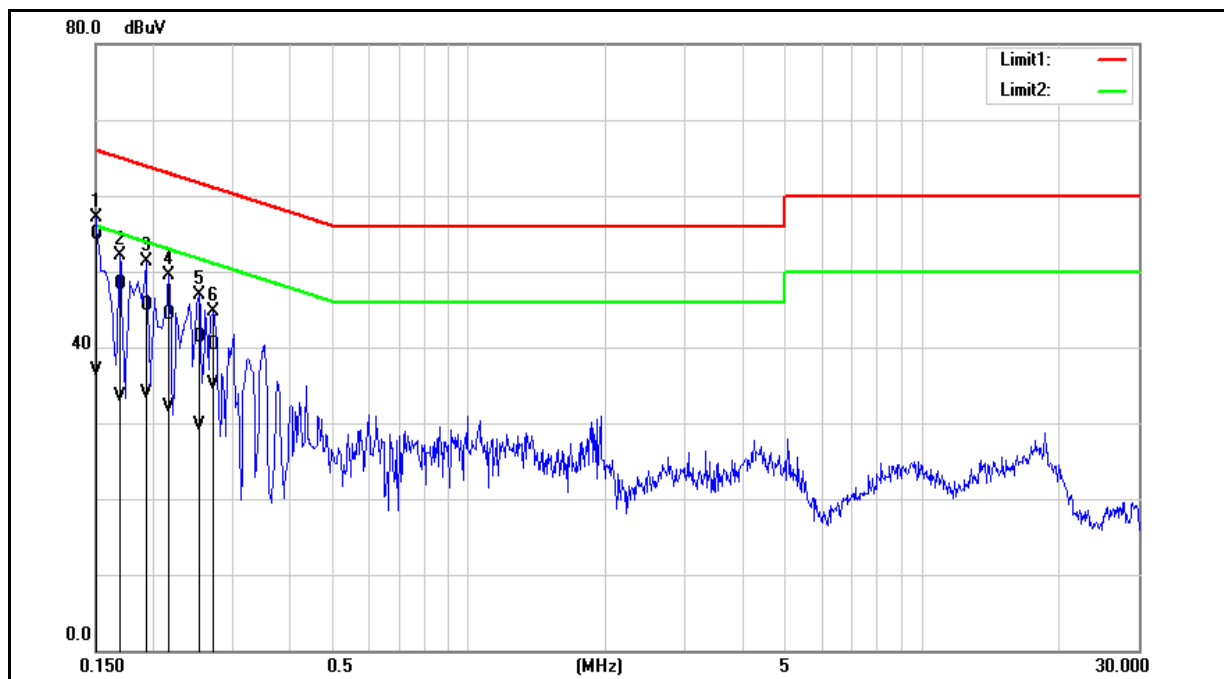
Beamforming on

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	10.49
	U-NII Band III	11.47
IEEE 802.11ac 40 MHz	U-NII Band I	10.49
	U-NII Band III	11.47
IEEE 802.11ac 80 MHz	U-NII Band I	10.49
	U-NII Band III	11.47

5 Test Results

Annex A. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			

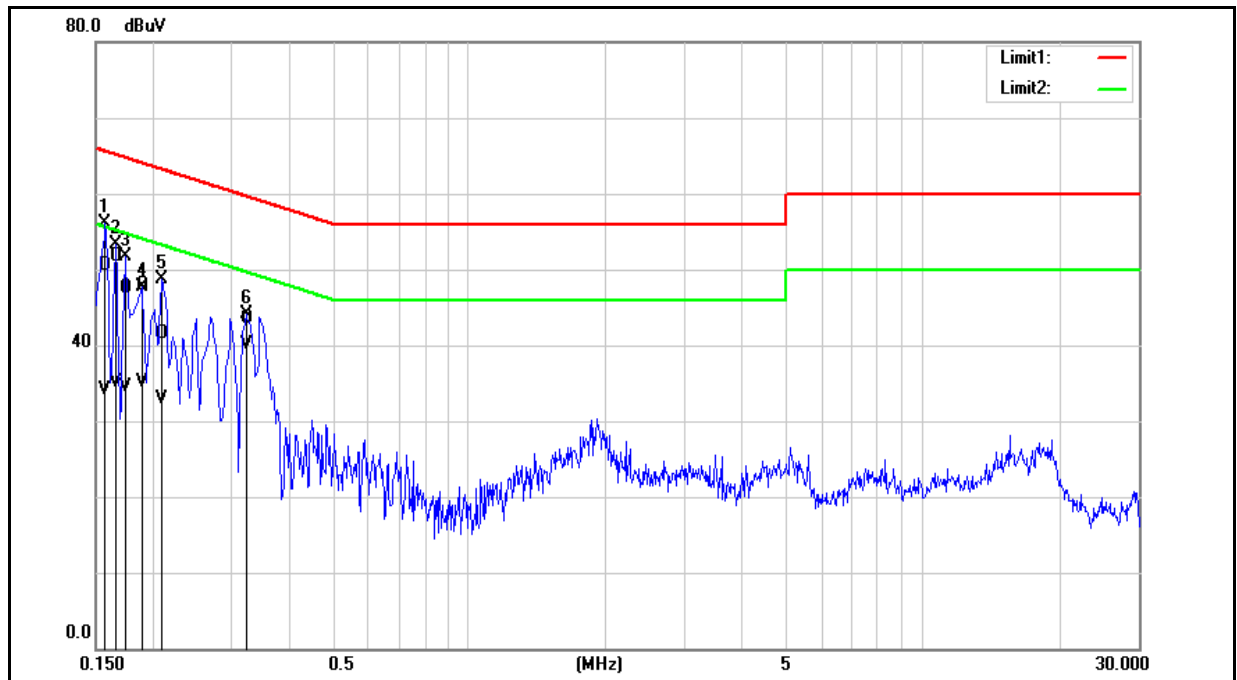


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	45.17	27.23	9.65	54.82	36.88	66.00	56.00	-11.18	-19.12	Pass
2	0.1700	38.70	23.93	9.65	48.35	33.58	64.96	54.96	-16.61	-21.38	Pass
3	0.1940	35.91	24.28	9.64	45.55	33.92	63.86	53.86	-18.31	-19.94	Pass
4	0.2180	34.69	22.47	9.64	44.33	32.11	62.89	52.89	-18.56	-20.78	Pass
5	0.2540	31.63	20.05	9.64	41.27	29.69	61.63	51.63	-20.36	-21.94	Pass
6	0.2740	30.66	25.54	9.64	40.30	35.18	61.00	51.00	-20.70	-15.82	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 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test 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	0.1580	40.86	24.40	9.68	50.54	34.08	65.57	55.57	-15.03	-21.49	Pass
2	0.1660	41.94	25.43	9.68	51.62	35.11	65.16	55.16	-13.54	-20.05	Pass
3	0.1740	37.92	24.77	9.68	47.60	34.45	64.77	54.77	-17.17	-20.32	Pass
4	0.1900	38.23	25.51	9.67	47.90	35.18	64.04	54.04	-16.14	-18.86	Pass
5	0.2100	31.89	23.18	9.67	41.56	32.85	63.21	53.21	-21.65	-20.36	Pass
6	0.3220	33.78	30.40	9.68	43.46	40.08	59.66	49.66	-16.20	-9.58	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. Radiated Emission Measurement

Harmonic

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
224.9700	50.82	-7.39	43.43	46.00	-2.57	QP	H
248.2500	48.81	-6.20	42.61	46.00	-3.39	QP	H
400.5400	40.44	-2.25	38.19	46.00	-7.81	QP	H
434.4900	37.88	-1.35	36.53	46.00	-9.47	QP	H
500.4500	40.15	-0.32	39.83	46.00	-6.17	QP	H
875.8400	36.00	6.97	42.97	46.00	-3.03	QP	H
76.5600	45.96	-10.22	35.74	40.00	-4.26	QP	V
226.9100	50.32	-7.33	42.99	46.00	-3.01	QP	V
247.2800	49.27	-6.22	43.05	46.00	-2.95	QP	V
500.4500	41.16	-0.32	40.84	46.00	-5.16	QP	V
529.5500	38.87	0.18	39.05	46.00	-6.95	QP	V
875.8400	37.16	6.97	44.13	46.00	-1.87	QP	V

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

Example: 43.43 = -7.39 + 50.82

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

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

Beamforming on

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
226.9100	52.09	-7.33	44.76	46.00	-1.24	QP	H
248.2500	48.95	-6.20	42.75	46.00	-3.25	QP	H
418.9700	38.92	-1.76	37.16	46.00	-8.84	QP	H
495.6000	39.71	-0.39	39.32	46.00	-6.68	QP	H
529.5500	34.33	0.18	34.51	46.00	-11.49	QP	H
875.8400	36.56	6.97	43.53	46.00	-2.47	QP	H
229.8200	52.04	-7.26	44.78	46.00	-1.22	QP	V
248.2500	47.78	-6.20	41.58	46.00	-4.42	QP	V
417.0300	39.42	-1.81	37.61	46.00	-8.39	QP	V
491.7200	40.81	-0.44	40.37	46.00	-5.63	QP	V
525.6700	38.20	0.11	38.31	46.00	-7.69	QP	V
875.8400	35.65	6.97	42.62	46.00	-3.38	QP	V

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

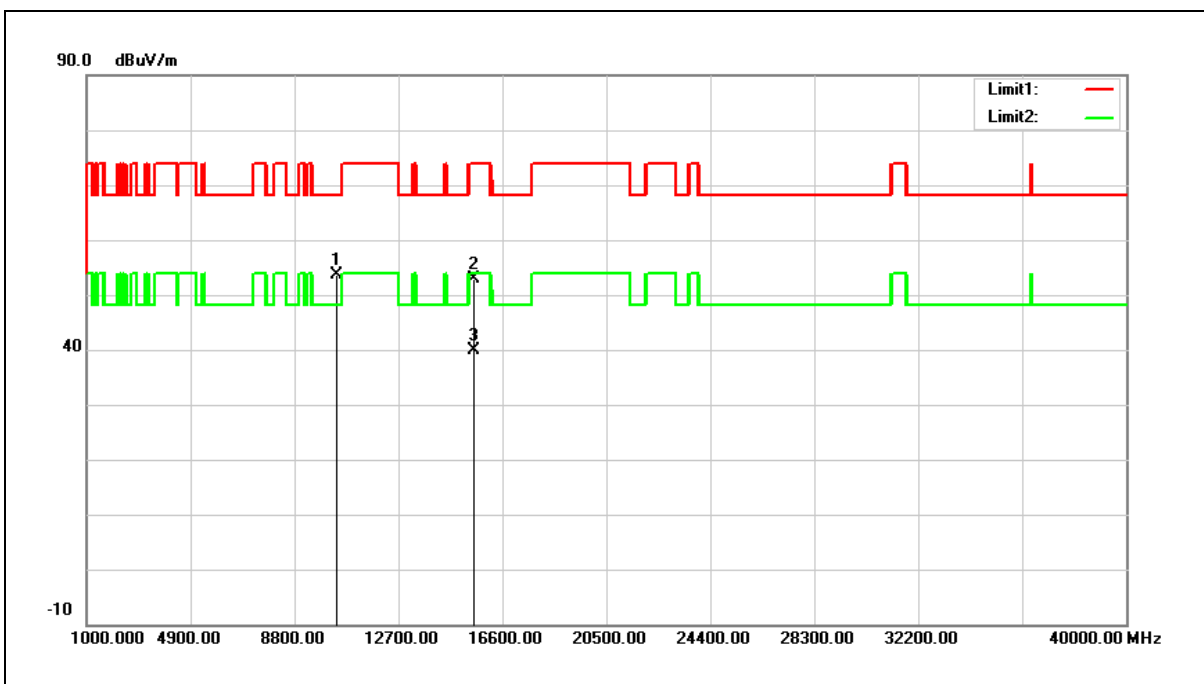
Example: $44.76 = -7.33 + 52.09$

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

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

Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 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	10360.000	36.49	17.24	53.73	68.20	-14.47	peak
2	15540.000	32.11	20.75	52.86	74.00	-21.14	peak
3	15540.000	19.01	20.75	39.76	54.00	-14.24	AVG

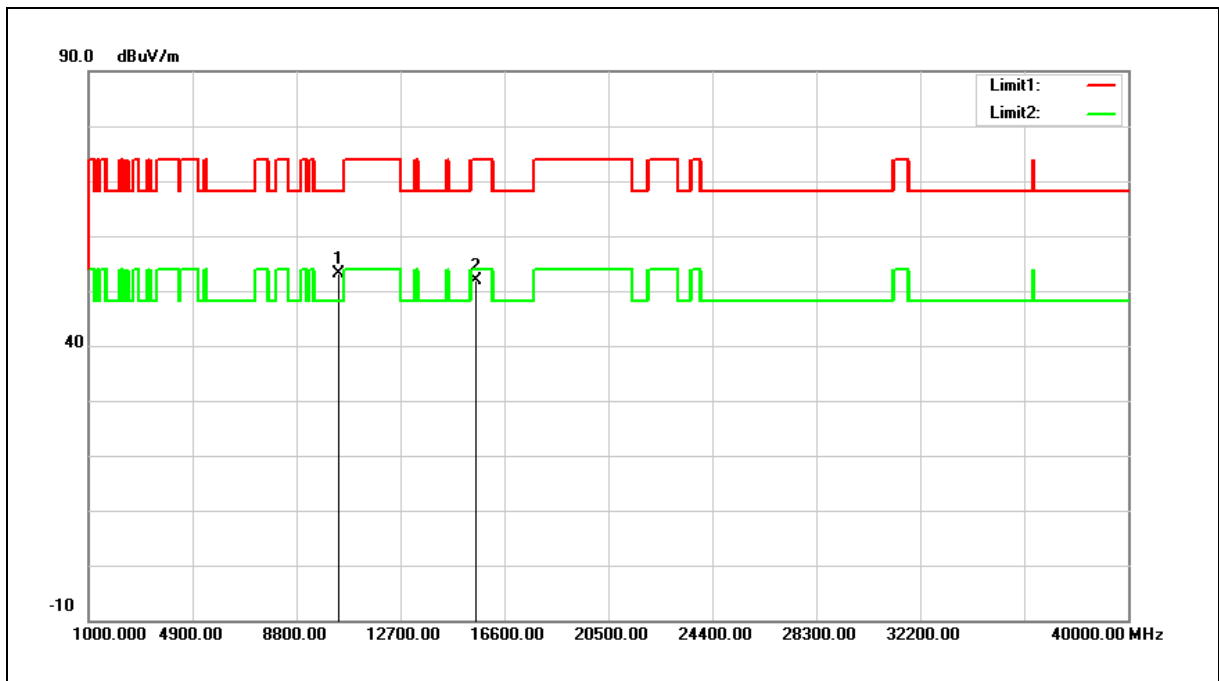
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $53.73 = 17.24 + 36.49$

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 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	10360.000	35.79	17.24	53.03	68.20	-15.17	peak
2	15540.000	31.01	20.75	51.76	74.00	-22.24	peak

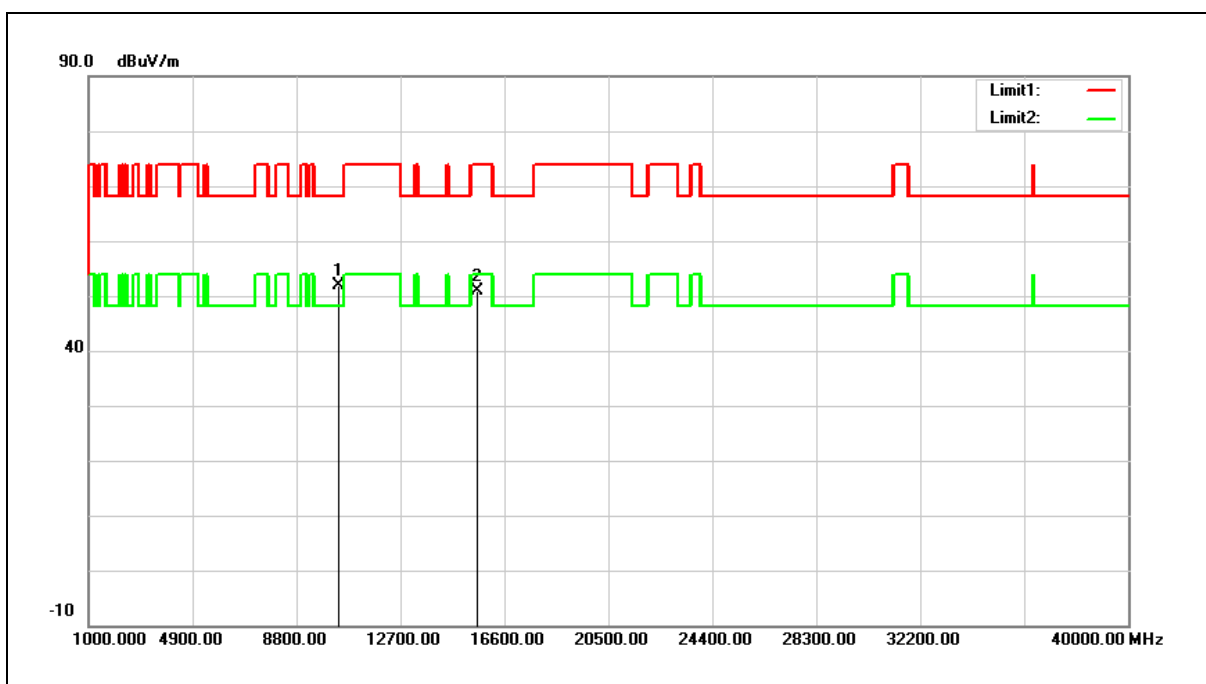
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 53.03 = 17.24 + 35.79

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.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



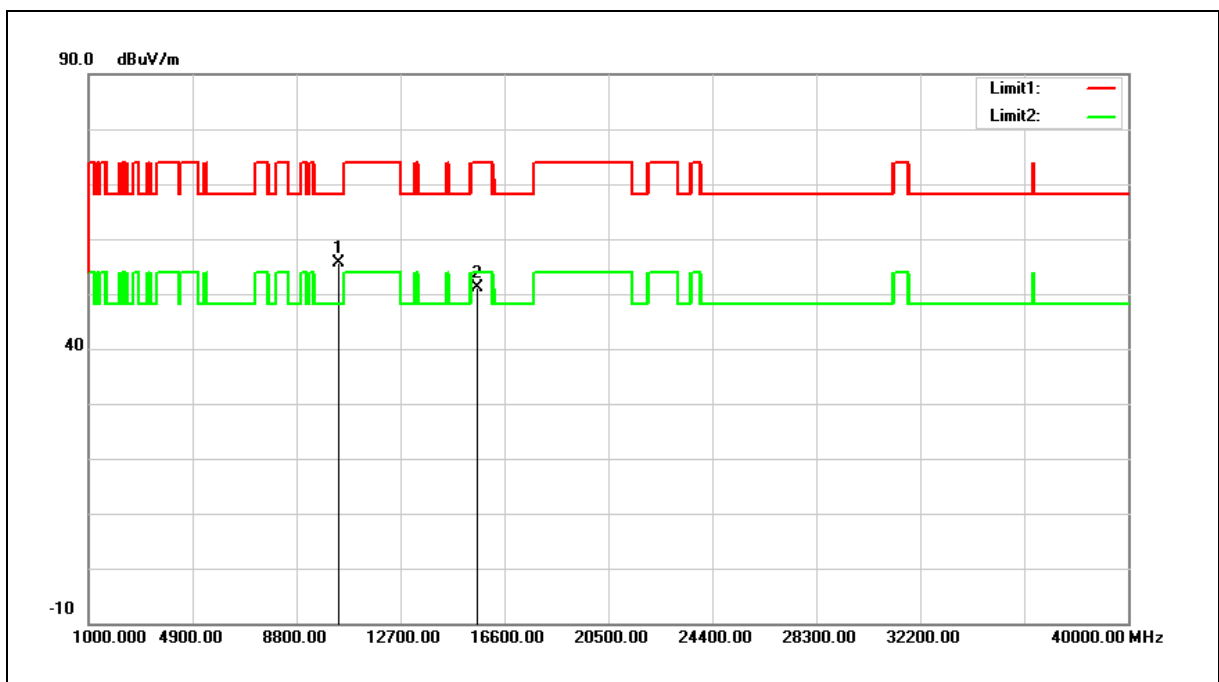
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	34.55	17.36	51.91	68.20	-16.29	peak
2	15600.000	30.24	20.59	50.83	74.00	-23.17	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 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	10400.000	38.17	17.36	55.53	68.20	-12.67	peak
2	15600.000	30.42	20.59	51.01	74.00	-22.99	peak

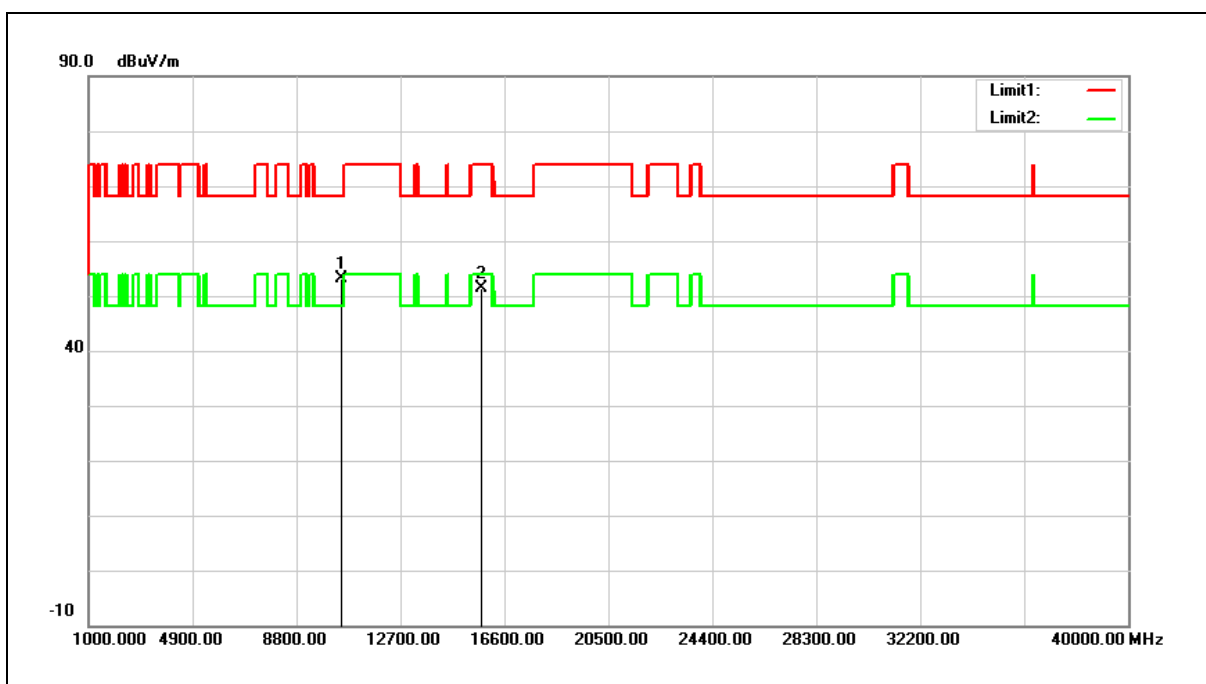
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



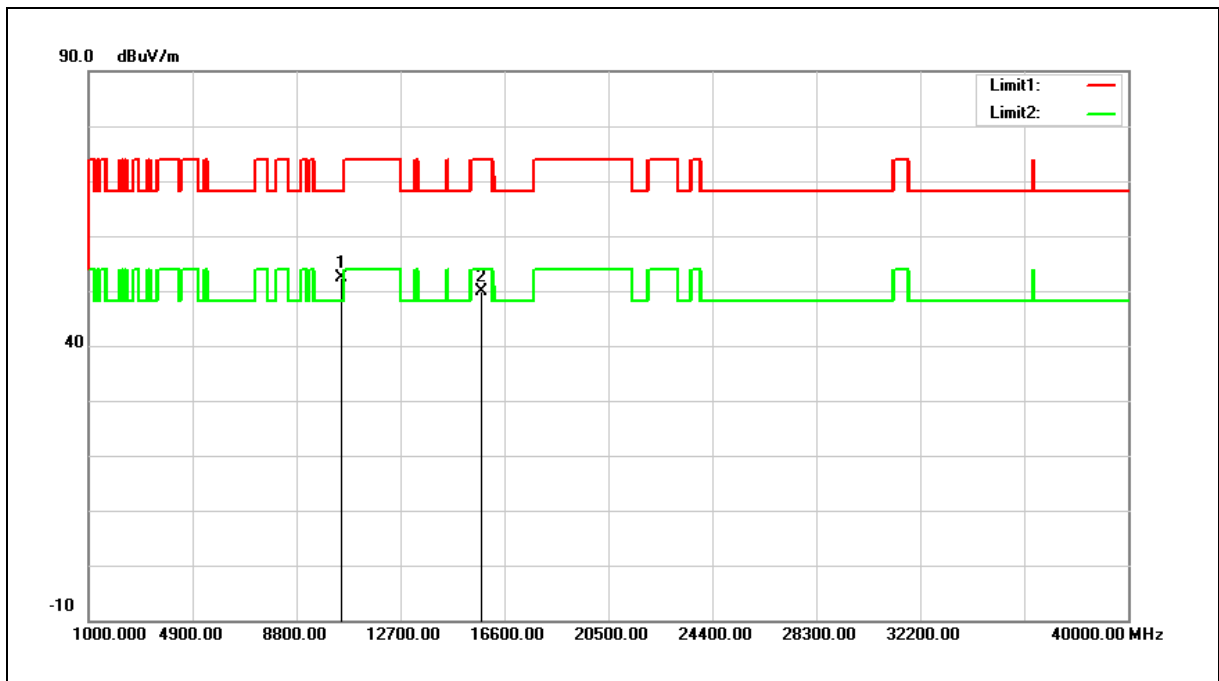
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.51	17.62	53.13	68.20	-15.07	peak
2	15720.000	31.12	20.29	51.41	74.00	-22.59	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



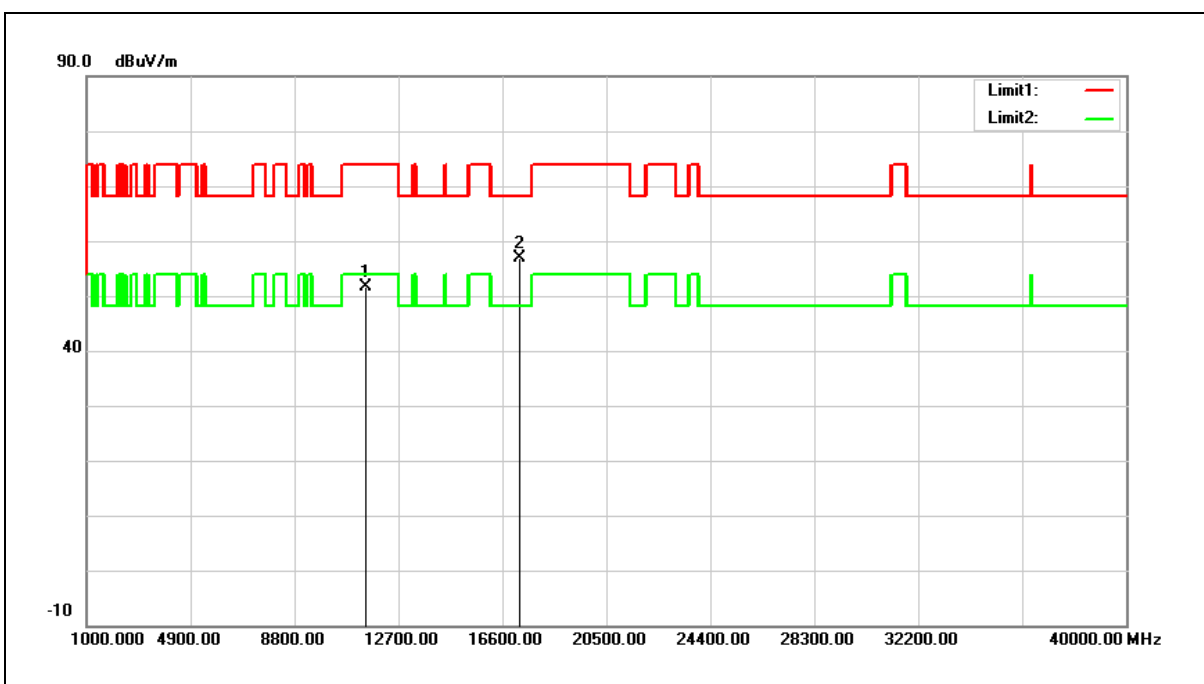
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	34.81	17.62	52.43	68.20	-15.77	peak
2	15720.000	29.67	20.29	49.96	74.00	-24.04	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



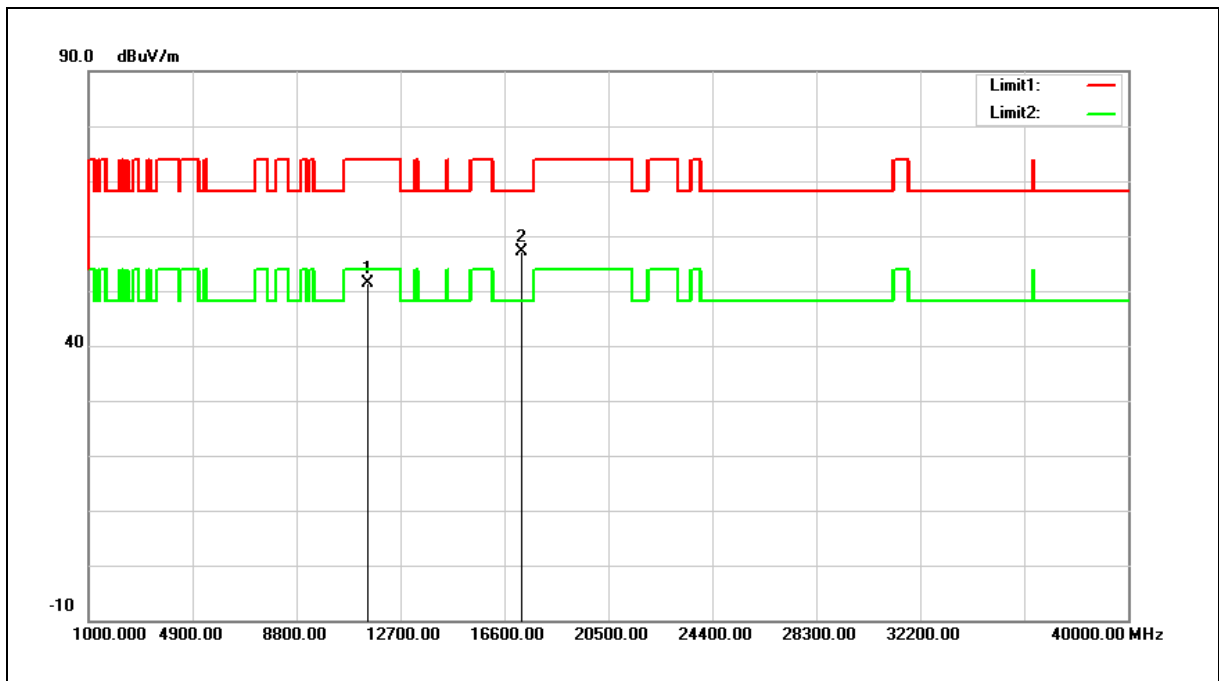
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.55	19.07	51.62	74.00	-22.38	peak
2	17235.000	32.07	24.88	56.95	68.20	-11.25	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



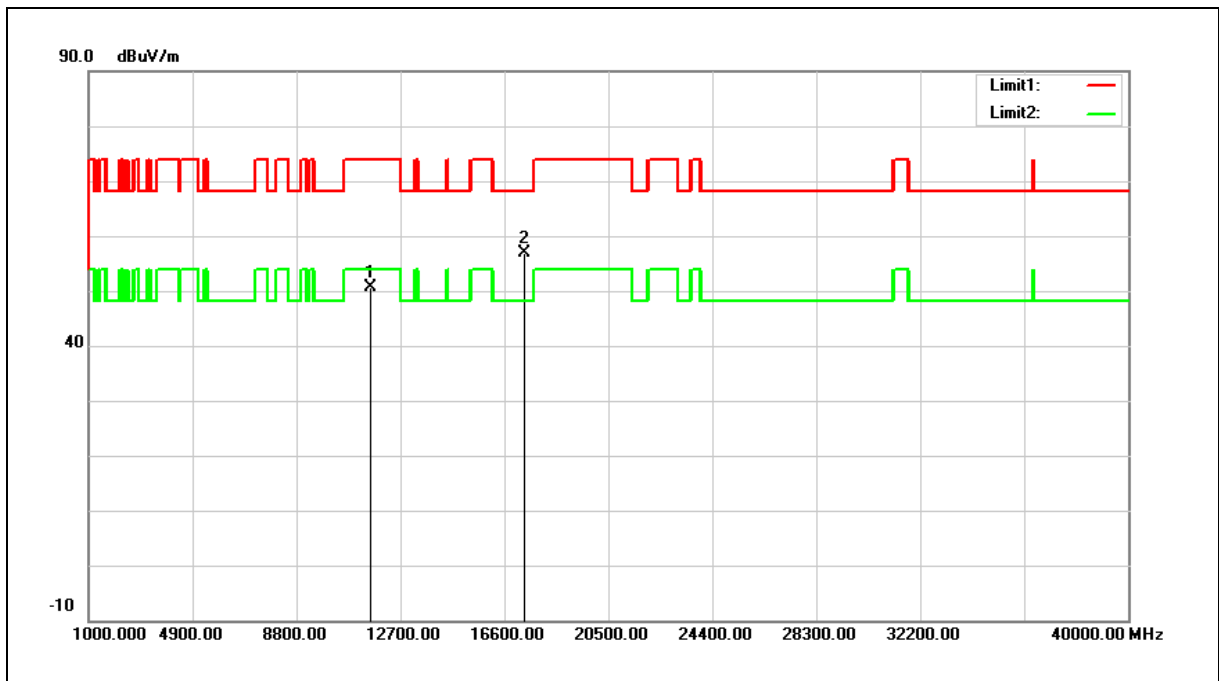
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.33	19.07	51.40	74.00	-22.60	peak
2	17235.000	32.26	24.88	57.14	68.20	-11.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



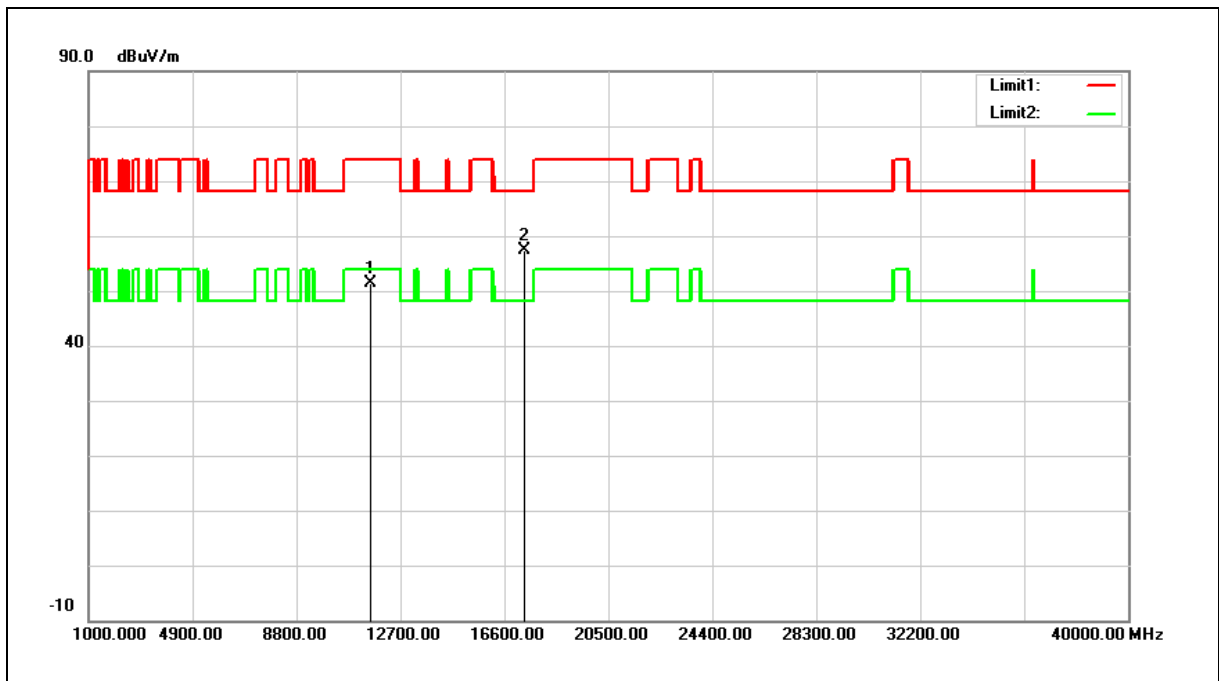
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.51	19.02	50.53	74.00	-23.47	peak
2	17355.000	31.66	25.29	56.95	68.20	-11.25	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



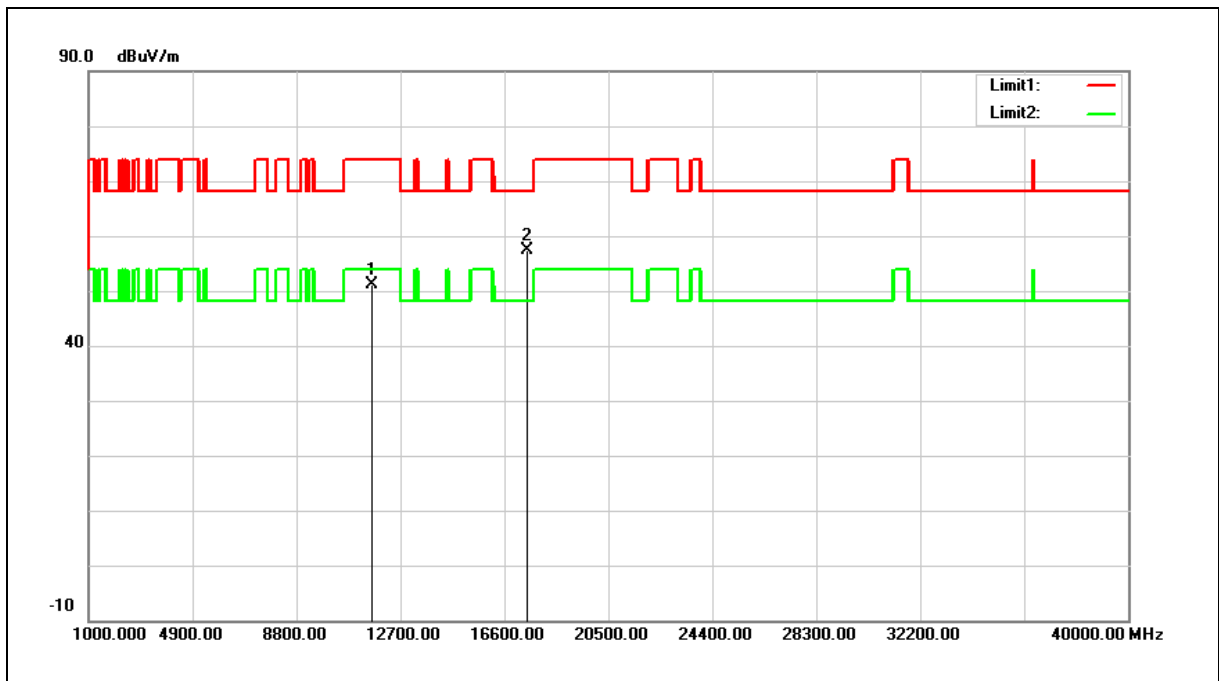
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.46	19.02	51.48	74.00	-22.52	peak
2	17355.000	32.20	25.29	57.49	68.20	-10.71	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



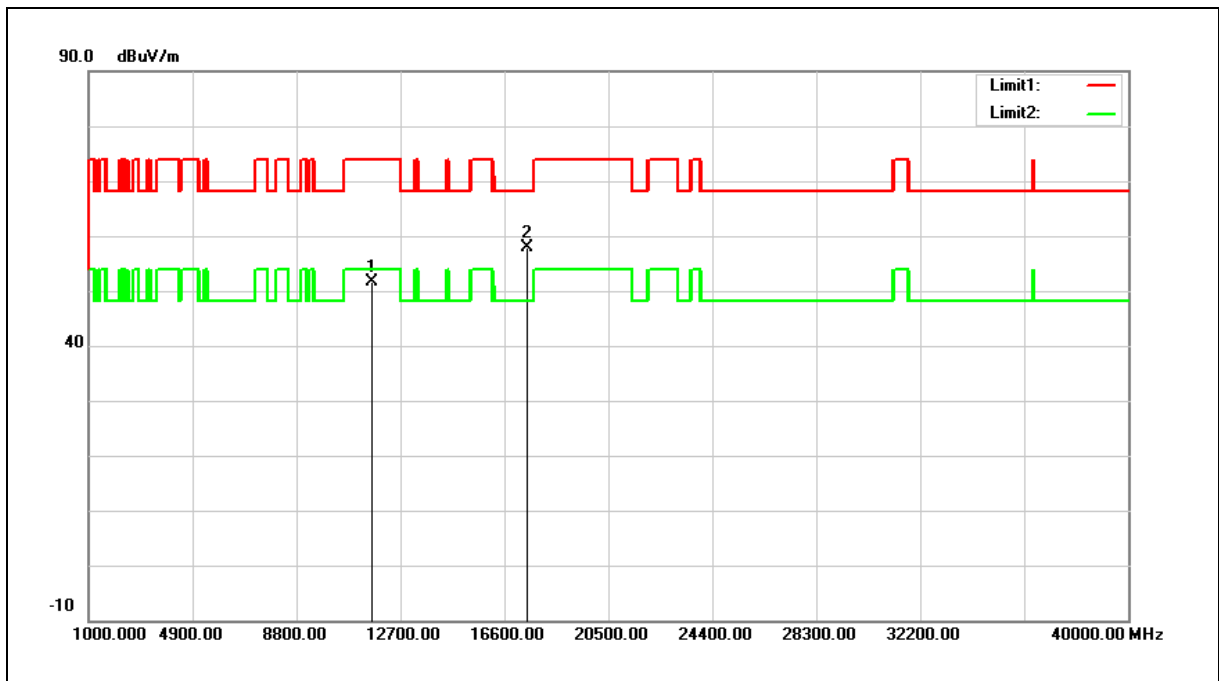
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.05	18.97	51.02	74.00	-22.98	peak
2	17475.000	31.70	25.68	57.38	68.20	-10.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



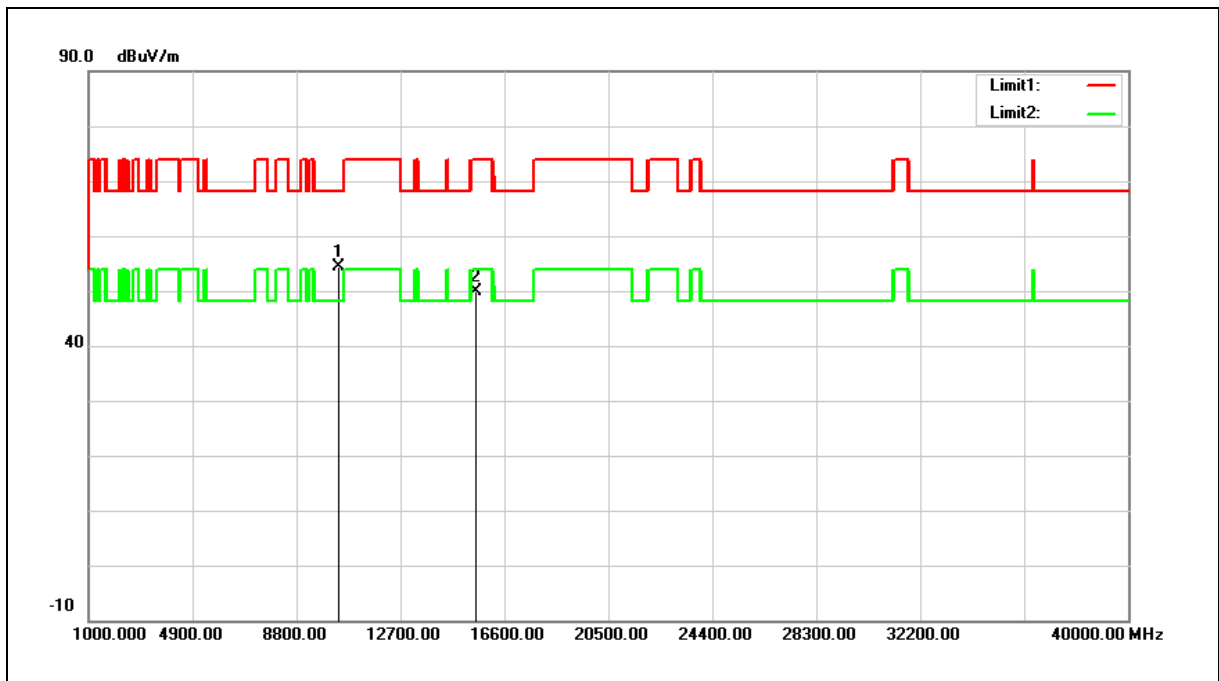
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.60	18.97	51.57	74.00	-22.43	peak
2	17475.000	32.27	25.68	57.95	68.20	-10.25	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



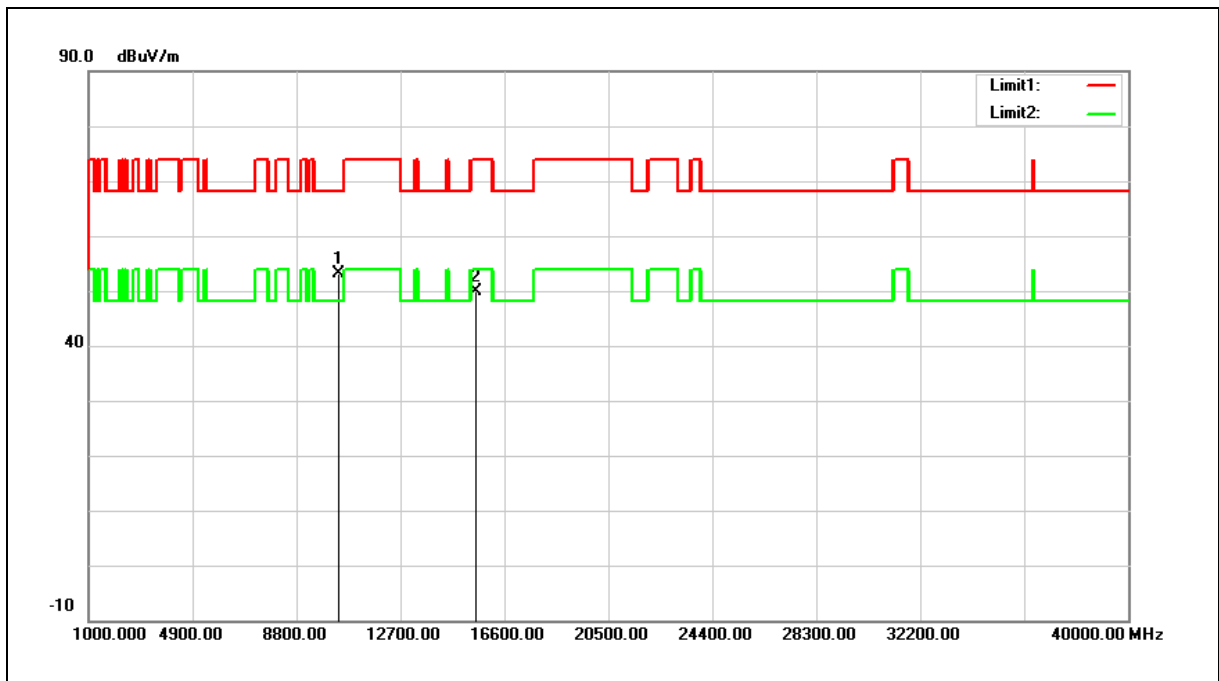
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	37.26	17.24	54.50	68.20	-13.70	peak
2	15540.000	29.16	20.75	49.91	74.00	-24.09	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 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	10360.000	35.81	17.24	53.05	68.20	-15.15	peak
2	15540.000	29.21	20.75	49.96	74.00	-24.04	peak

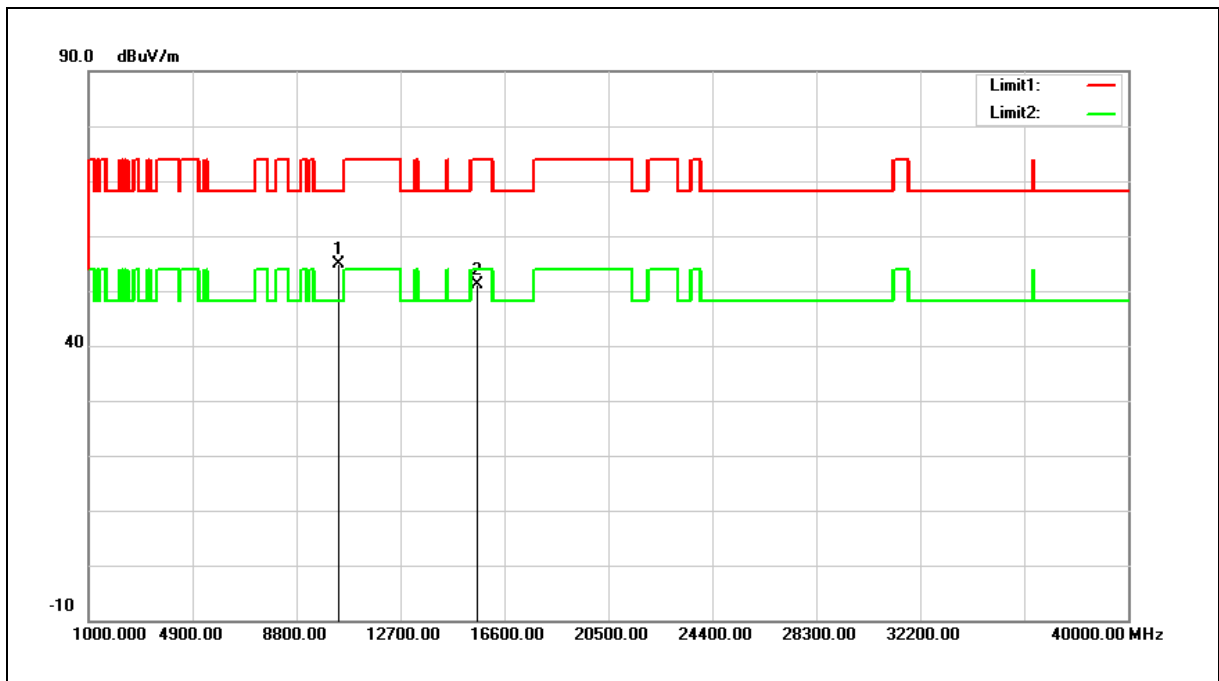
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



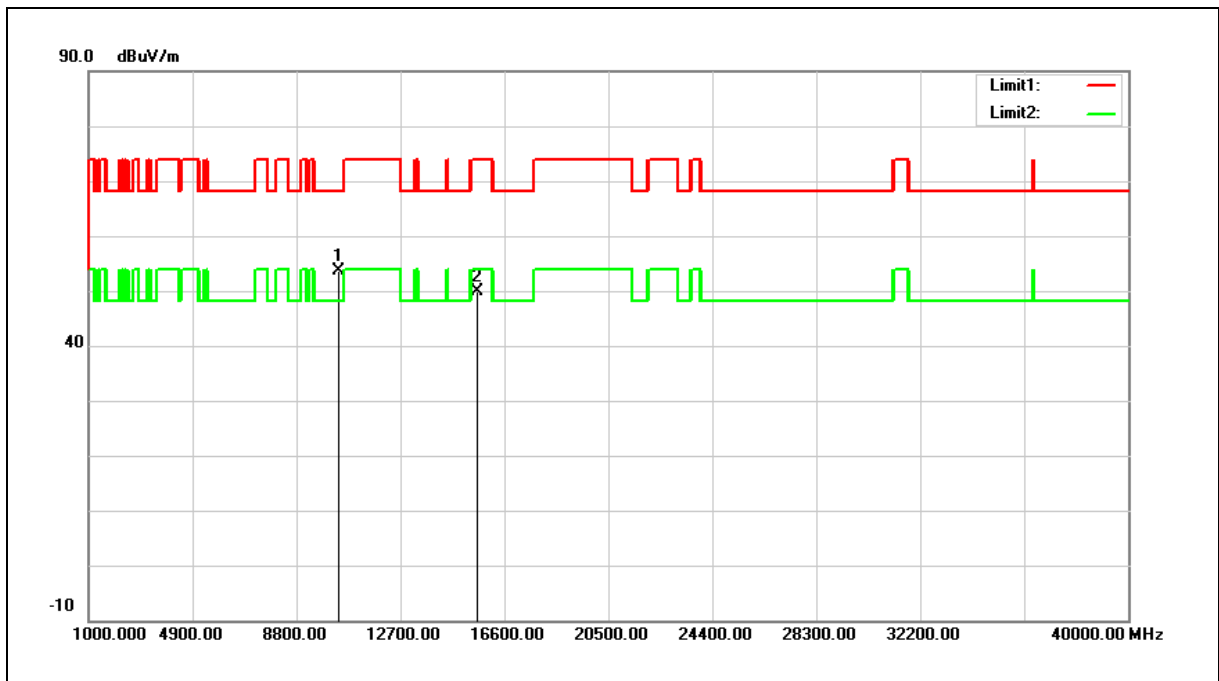
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	37.62	17.36	54.98	68.20	-13.22	peak
2	15600.000	30.54	20.59	51.13	74.00	-22.87	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 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	10400.000	36.37	17.36	53.73	68.20	-14.47	peak
2	15600.000	29.34	20.59	49.93	74.00	-24.07	peak

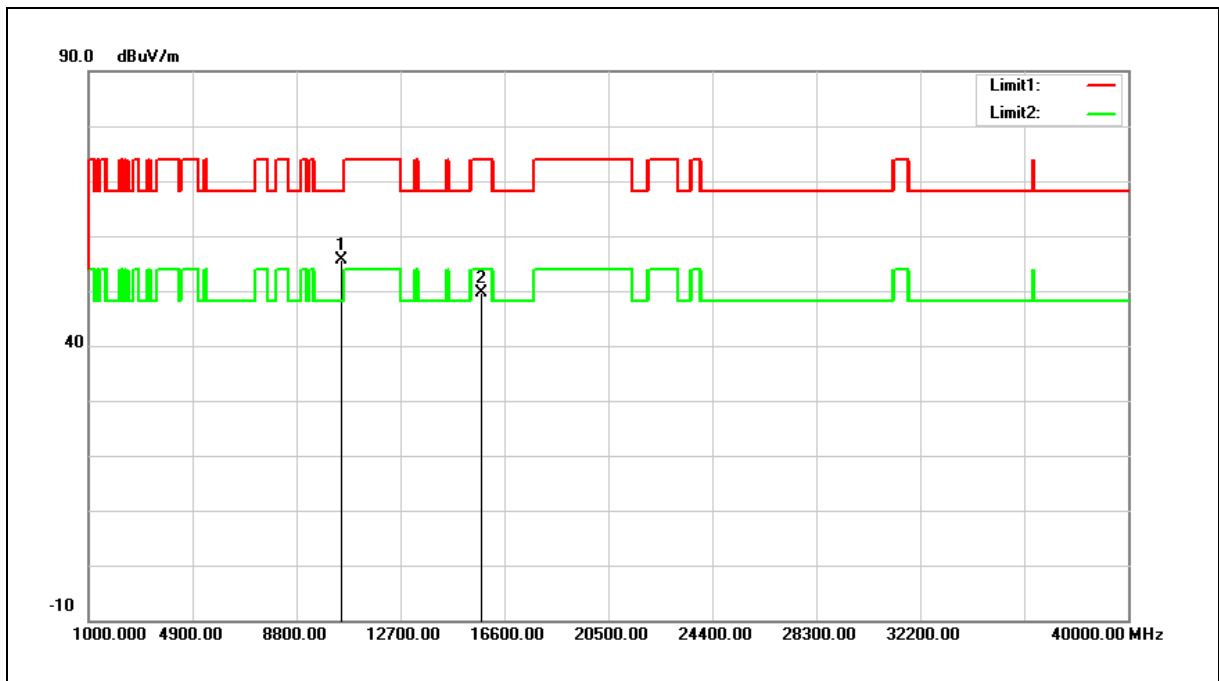
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



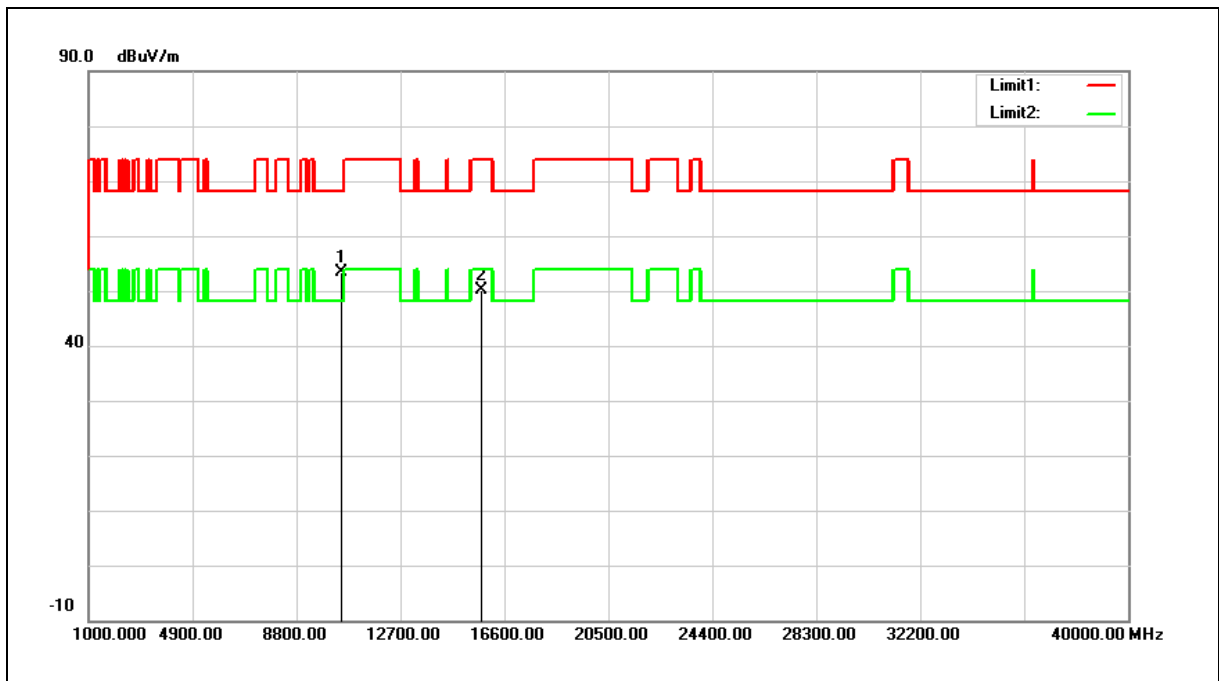
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	38.07	17.62	55.69	68.20	-12.51	peak
2	15720.000	29.27	20.29	49.56	74.00	-24.44	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



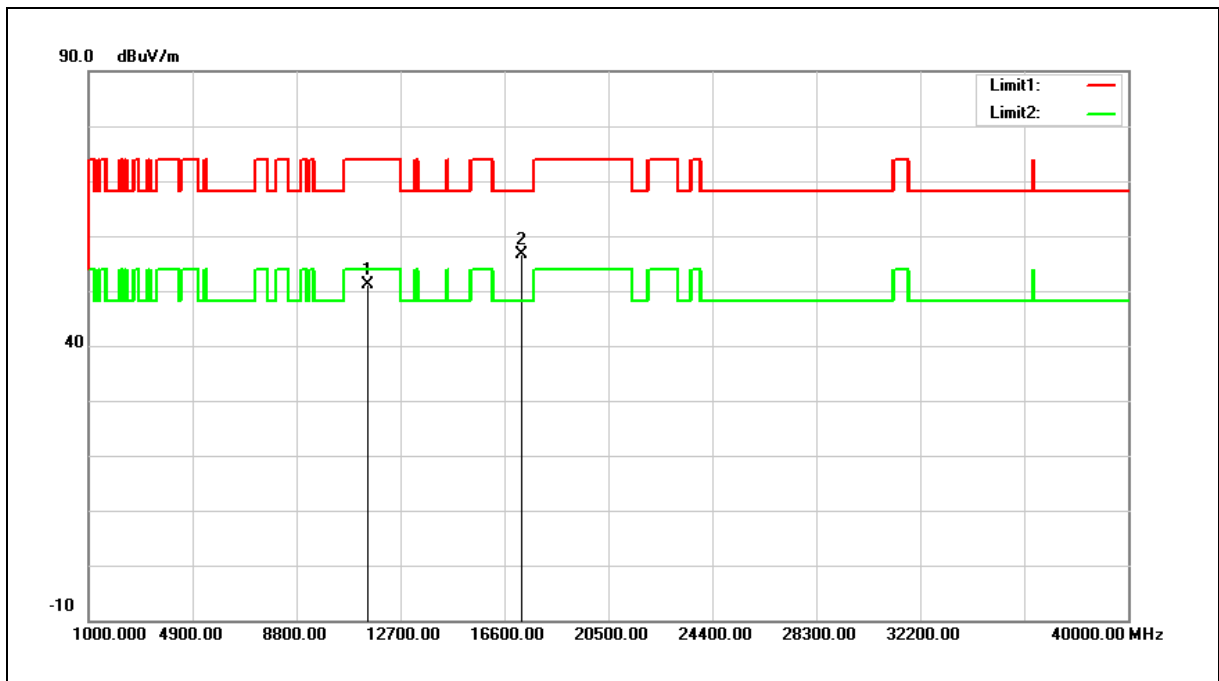
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.64	17.62	53.26	68.20	-14.94	peak
2	15720.000	29.79	20.29	50.08	74.00	-23.92	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



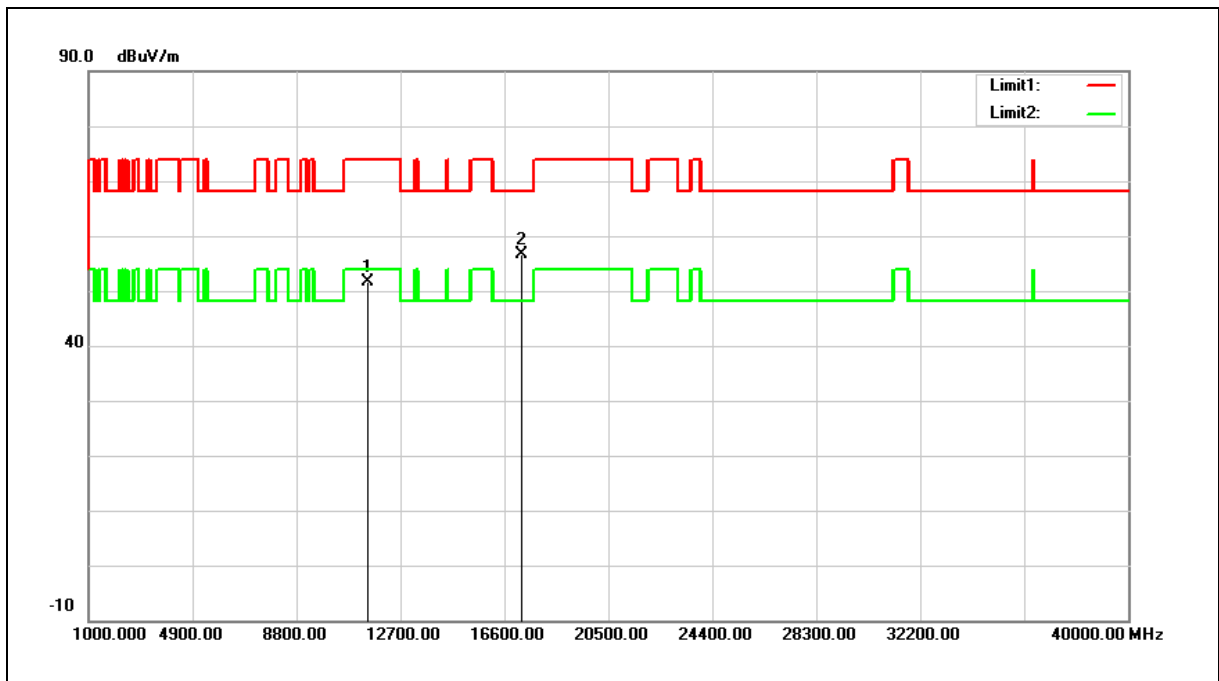
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.97	19.07	51.04	74.00	-22.96	peak
2	17235.000	31.84	24.88	56.72	68.20	-11.48	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



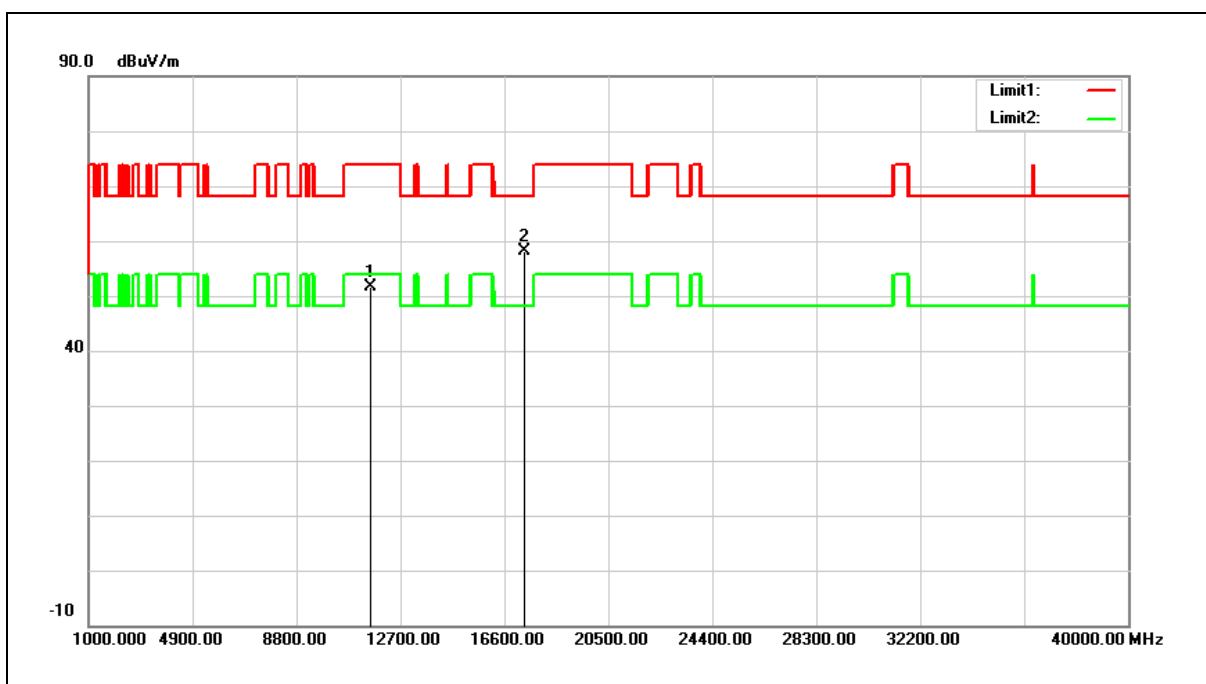
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.61	19.07	51.68	74.00	-22.32	peak
2	17235.000	31.70	24.88	56.58	68.20	-11.62	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



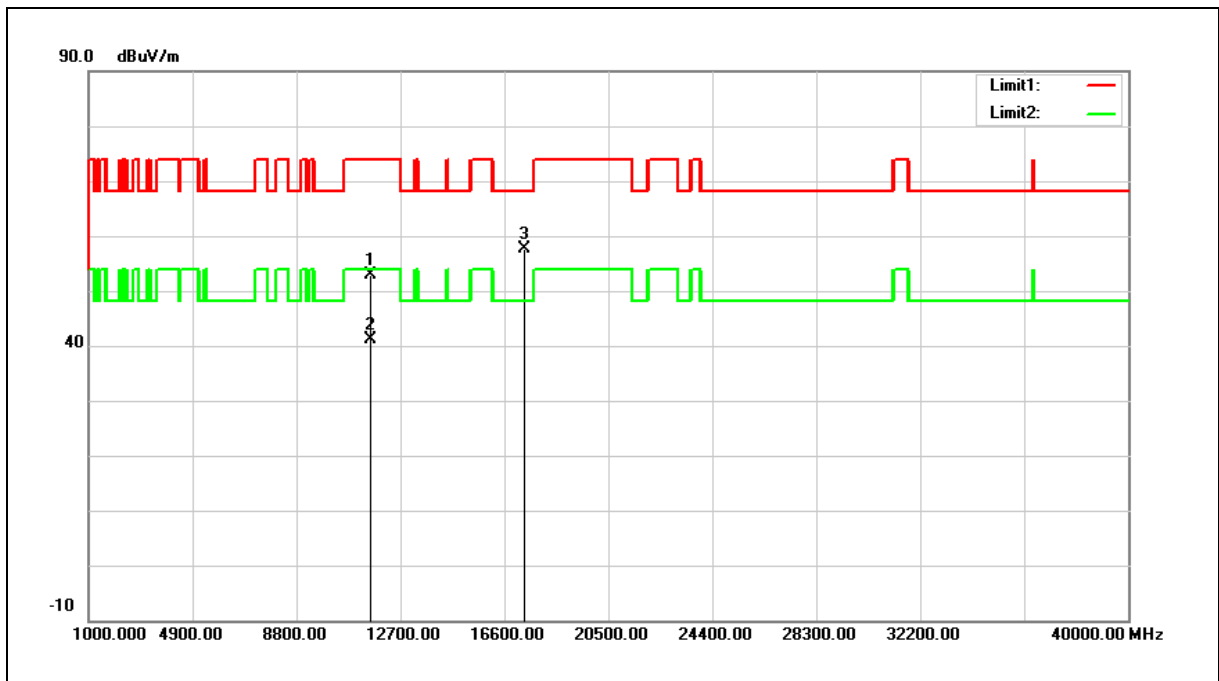
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.72	19.02	51.74	74.00	-22.26	peak
2	17355.000	32.77	25.29	58.06	68.20	-10.14	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



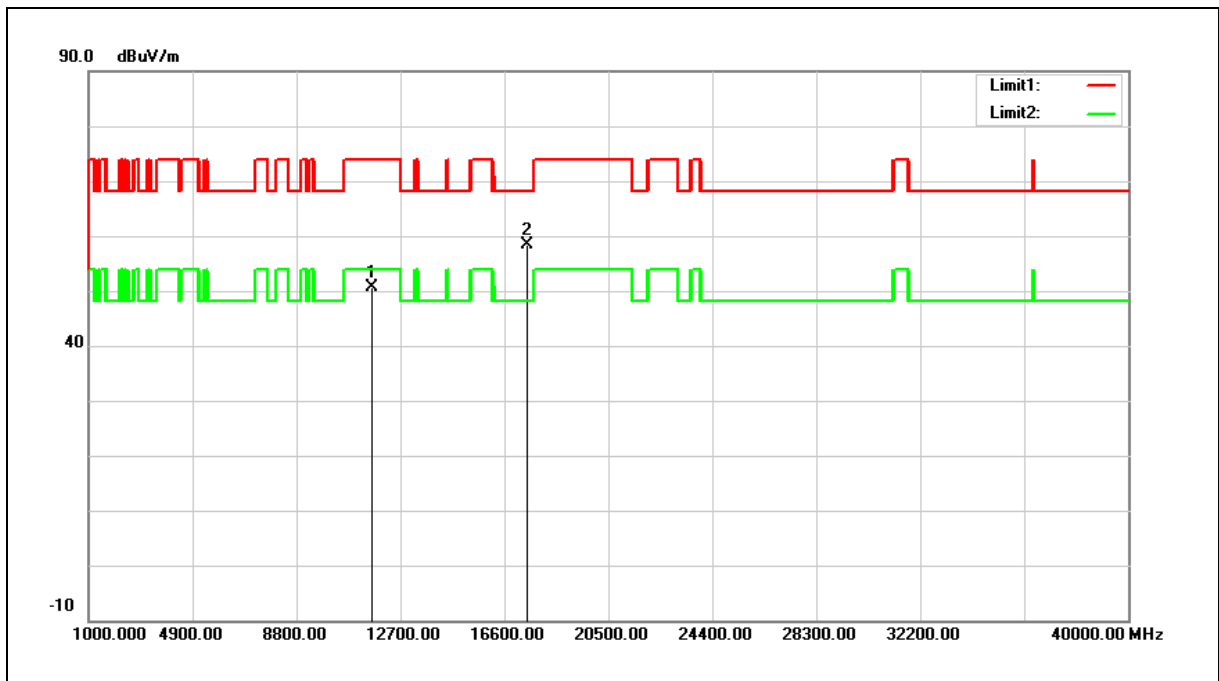
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	33.74	19.02	52.76	74.00	-21.24	peak
2	11570.000	22.04	19.02	41.06	54.00	-12.94	AVG
3	17355.000	32.35	25.29	57.64	68.20	-10.56	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



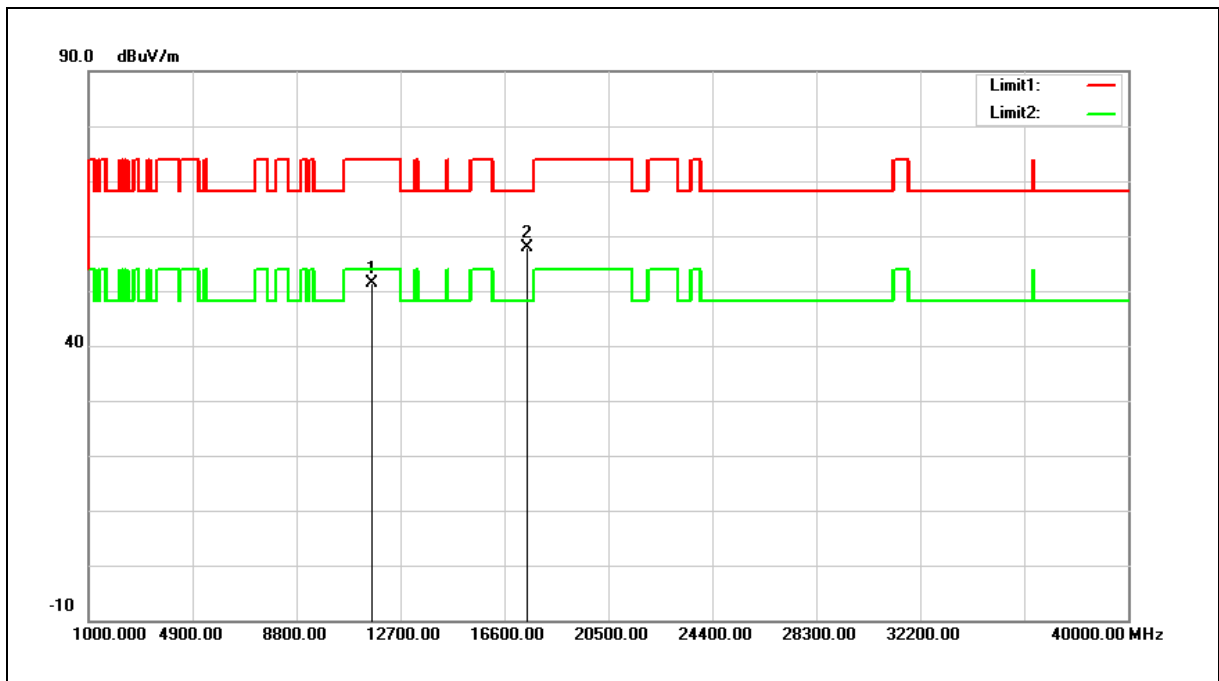
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.59	18.97	50.56	74.00	-23.44	peak
2	17475.000	32.74	25.68	58.42	68.20	-9.78	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



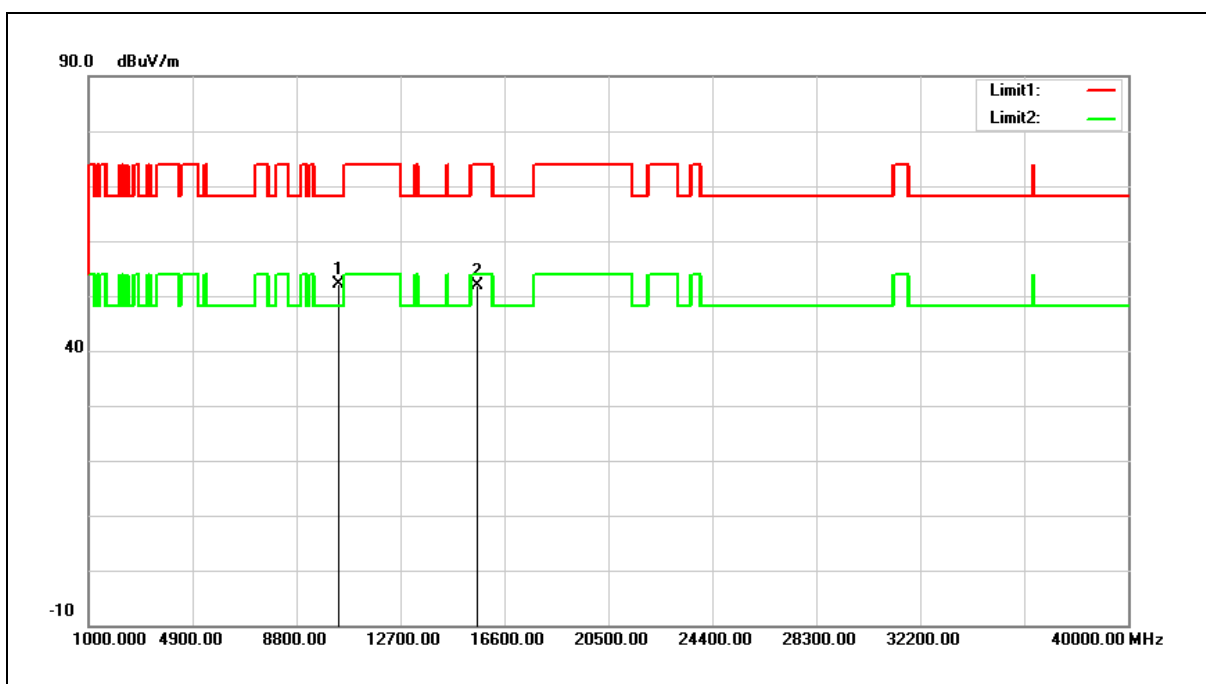
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.53	18.97	51.50	74.00	-22.50	peak
2	17475.000	32.29	25.68	57.97	68.20	-10.23	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



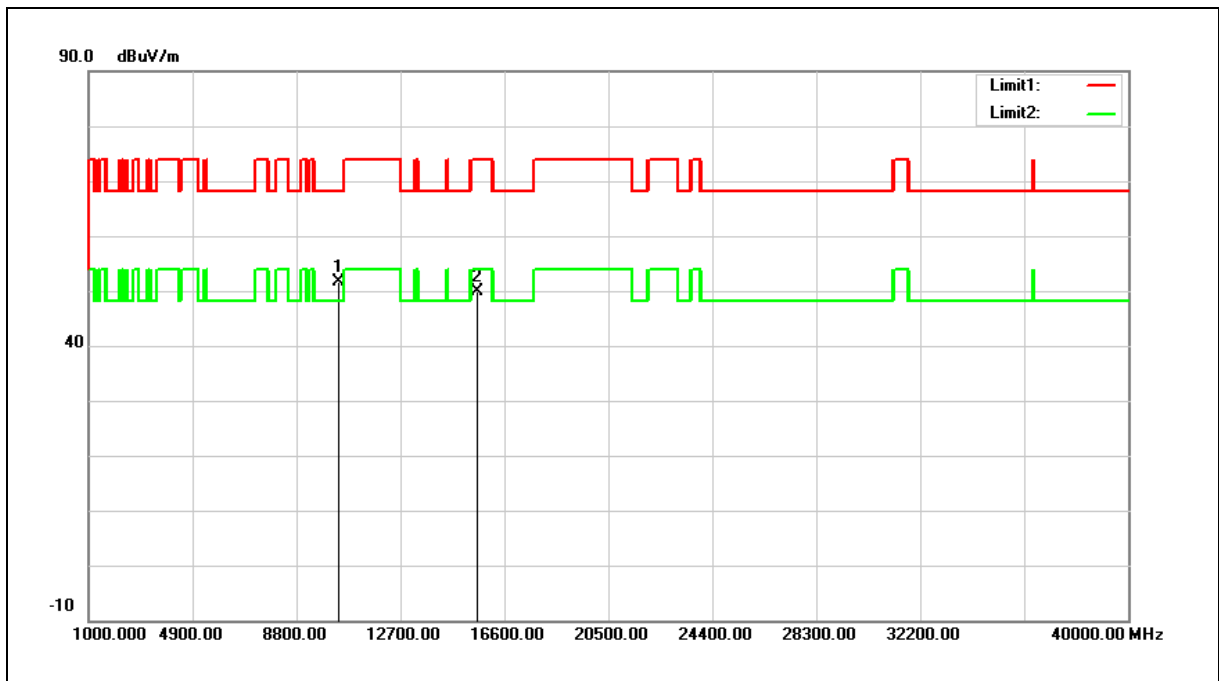
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	34.83	17.30	52.13	68.20	-16.07	peak
2	15570.000	31.20	20.68	51.88	74.00	-22.12	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	34.24	17.30	51.54	68.20	-16.66	peak
2	15570.000	29.11	20.68	49.79	74.00	-24.21	peak

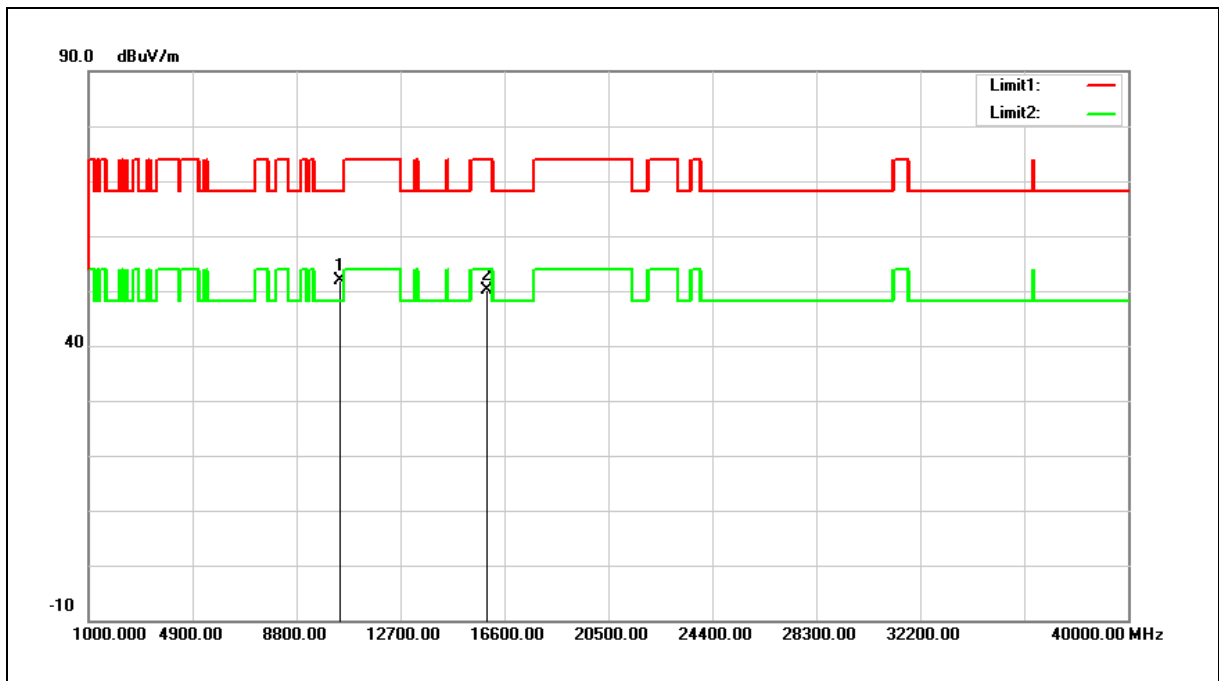
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



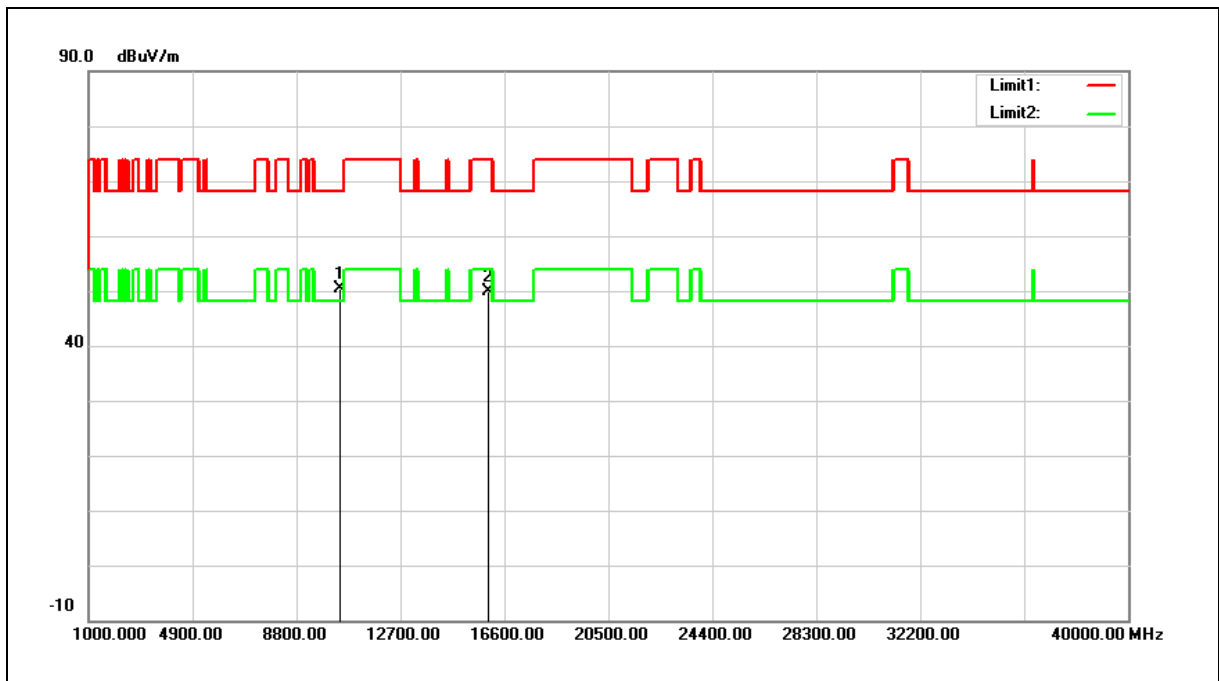
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	34.22	17.56	51.78	68.20	-16.42	peak
2	15960.000	30.35	19.68	50.03	74.00	-23.97	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.86	17.56	50.42	68.20	-17.78	peak
2	15960.000	30.13	19.68	49.81	74.00	-24.19	peak

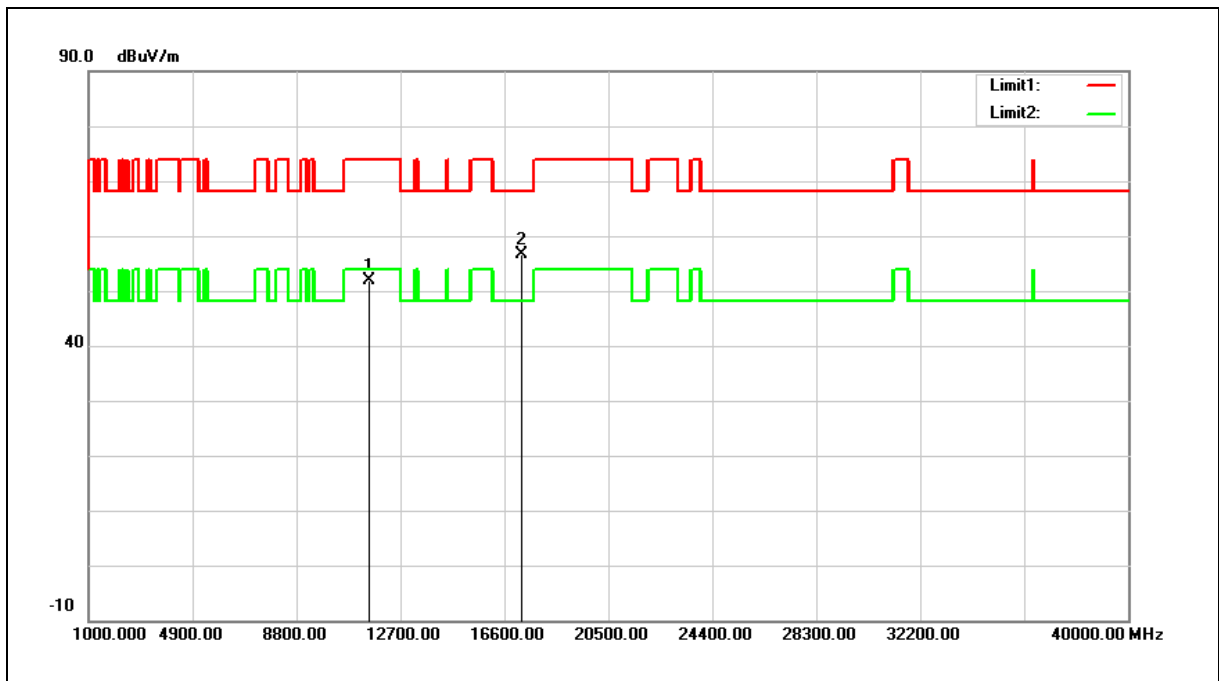
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



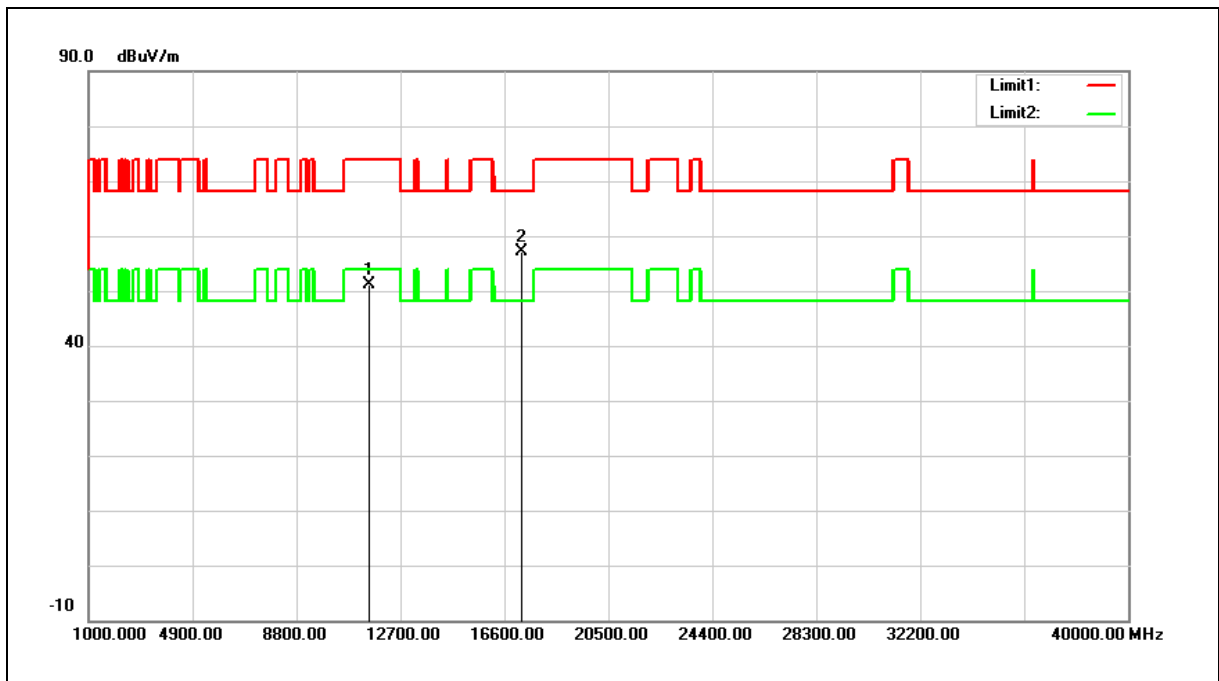
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.76	19.07	51.83	74.00	-22.17	peak
2	17265.000	31.58	24.98	56.56	68.20	-11.64	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



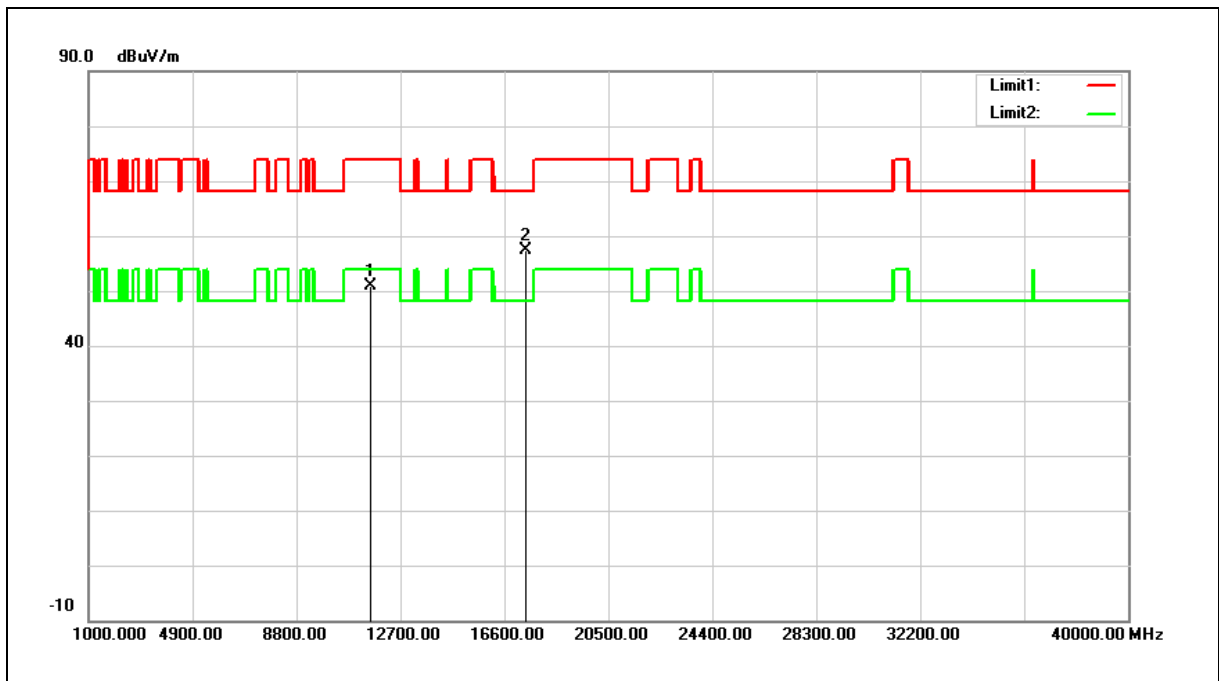
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.18	19.07	51.25	74.00	-22.75	peak
2	17265.000	32.10	24.98	57.08	68.20	-11.12	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.77	19.01	50.78	74.00	-23.22	peak
2	17385.000	32.12	25.38	57.50	68.20	-10.70	peak

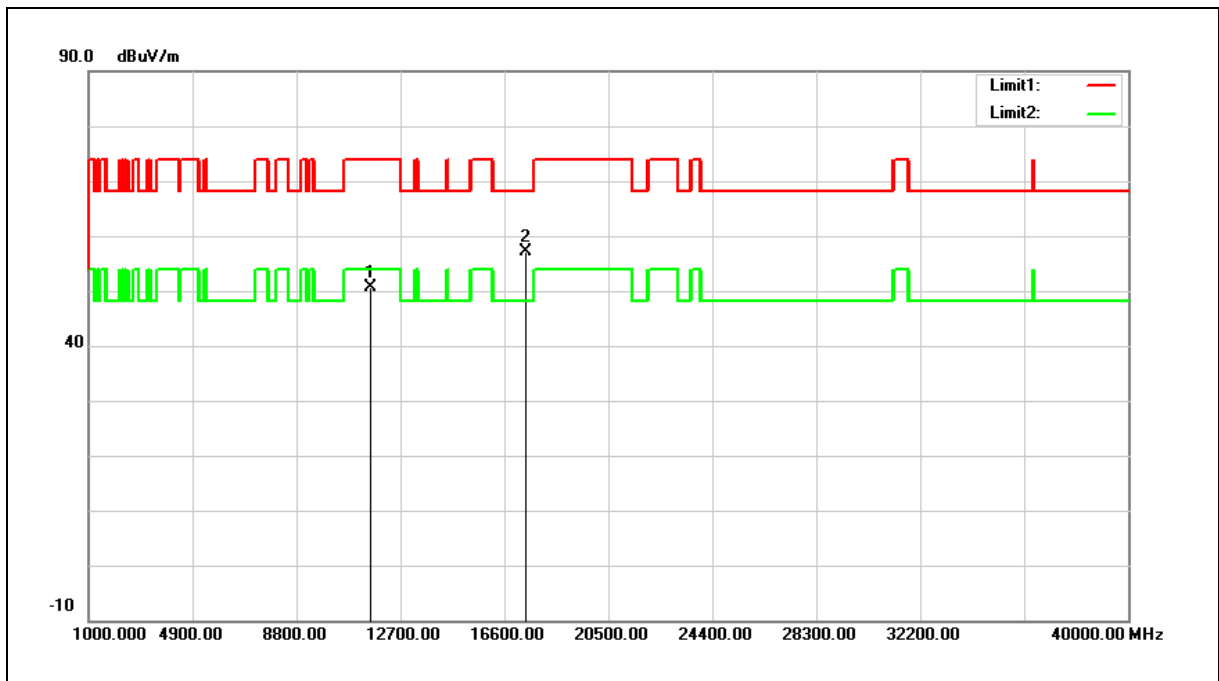
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



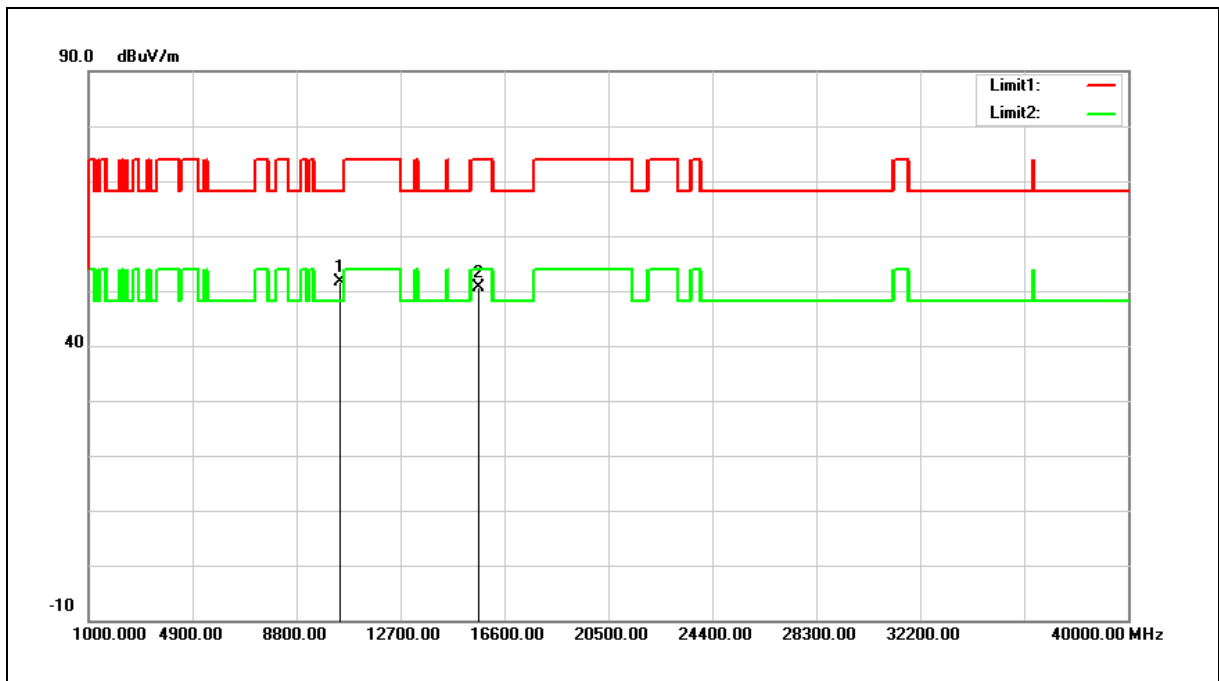
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.65	19.01	50.66	74.00	-23.34	peak
2	17385.000	31.75	25.38	57.13	68.20	-11.07	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



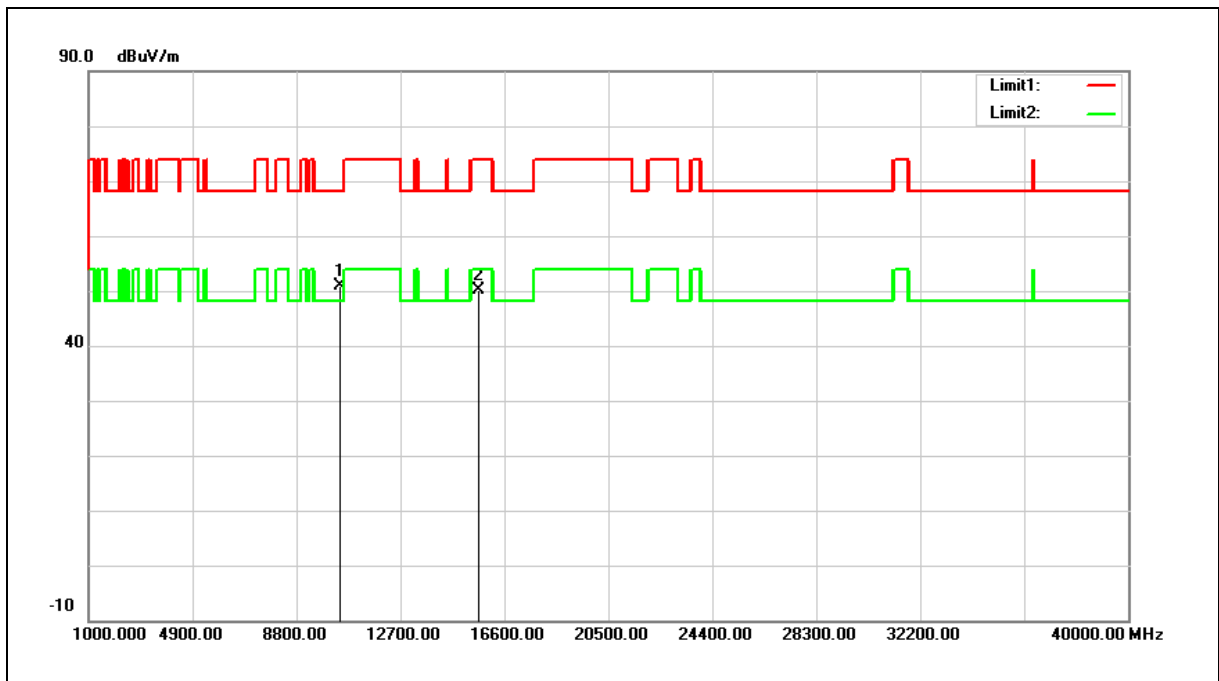
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	34.26	17.43	51.69	68.20	-16.51	peak
2	15630.000	30.23	20.52	50.75	74.00	-23.25	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



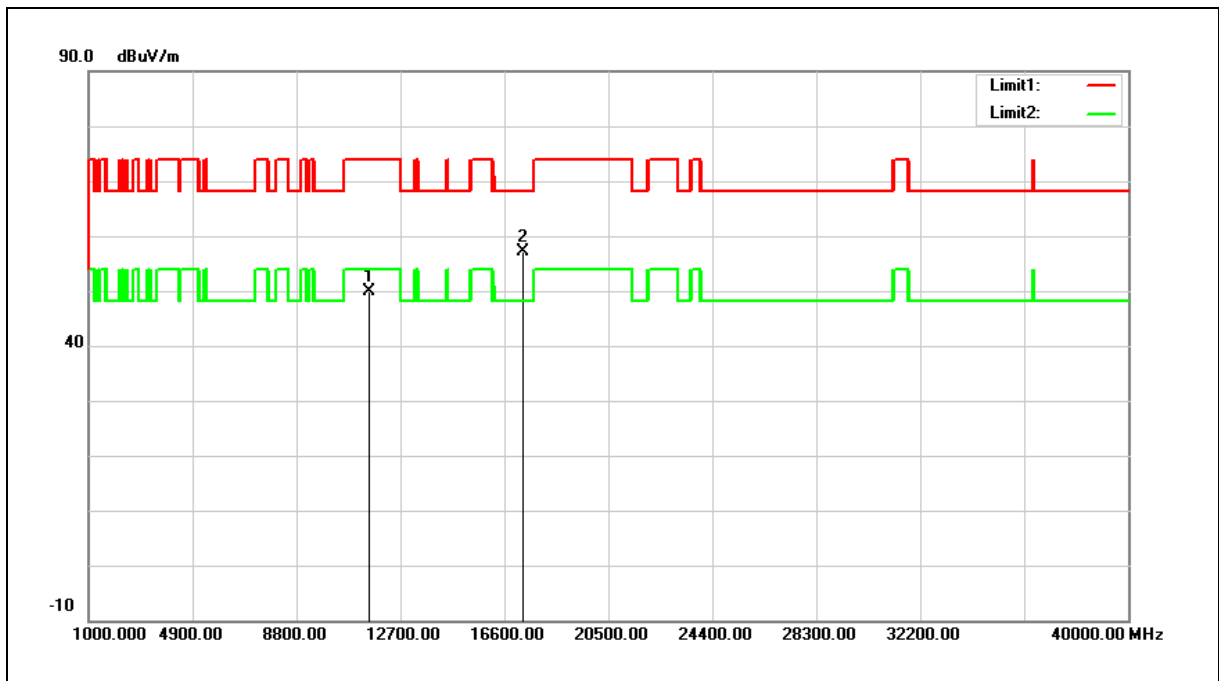
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	33.57	17.43	51.00	68.20	-17.20	peak
2	15630.000	29.59	20.52	50.11	74.00	-23.89	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



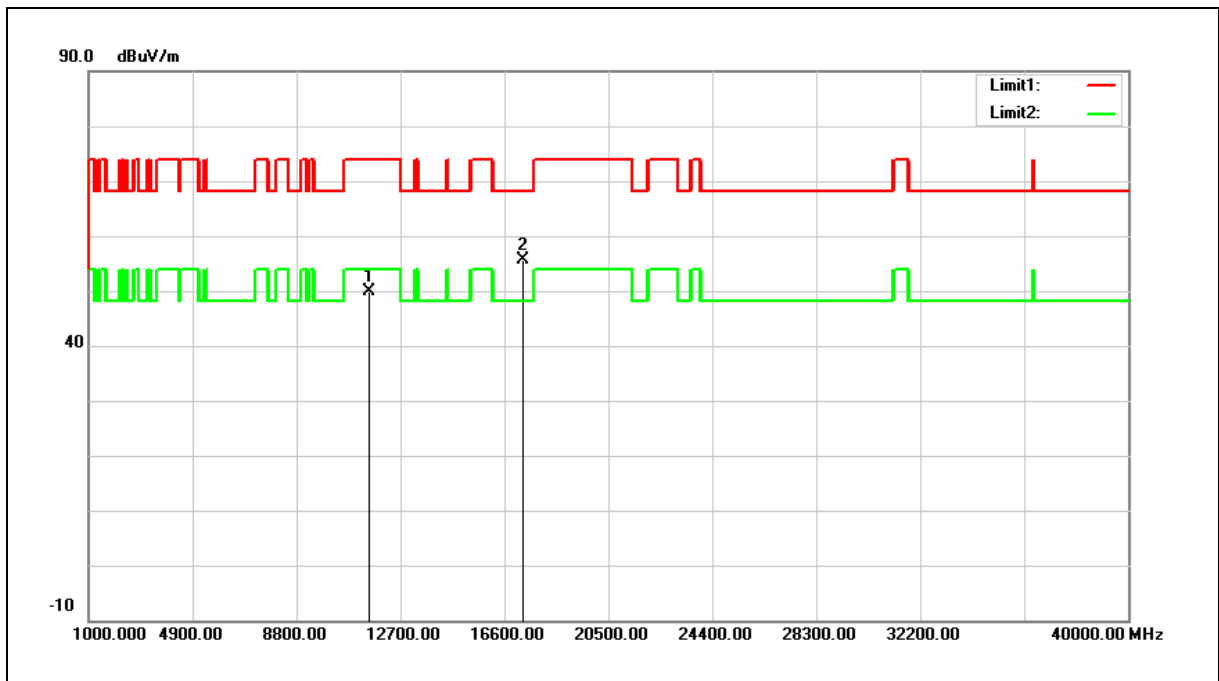
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	30.78	19.05	49.83	74.00	-24.17	peak
2	17325.000	31.91	25.18	57.09	68.20	-11.11	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



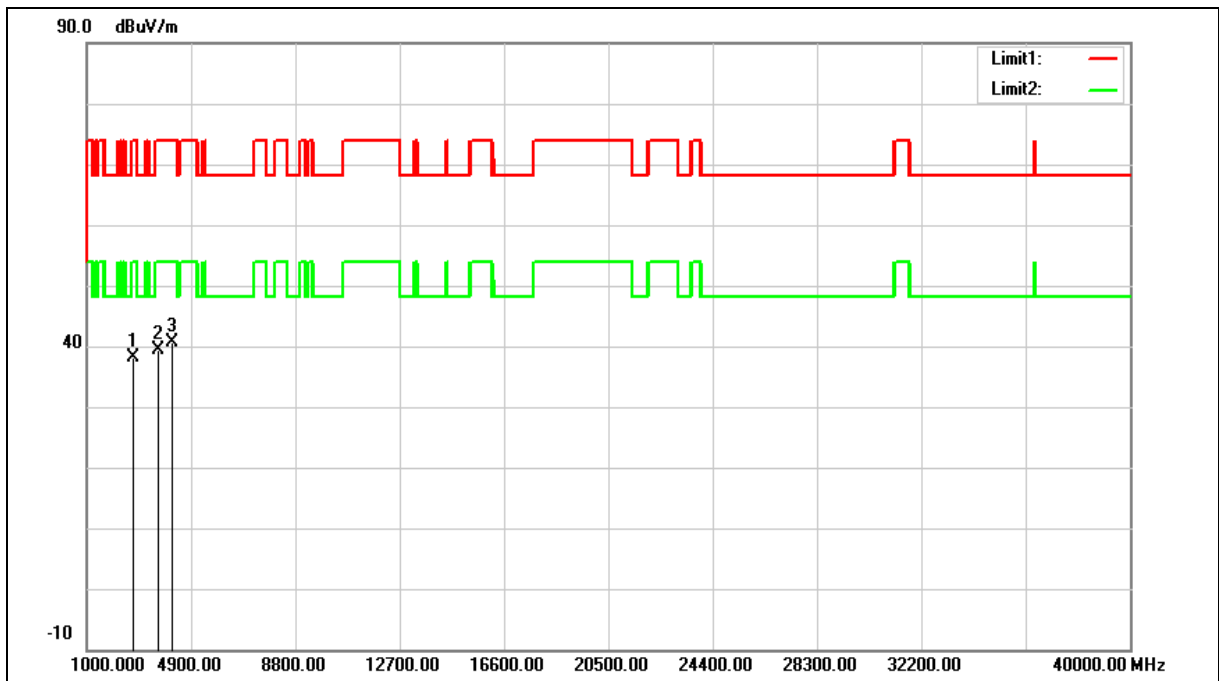
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	30.94	19.05	49.99	74.00	-24.01	peak
2	17325.000	30.53	25.18	55.71	68.20	-12.49	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions	Power:	AC 120 V/60 Hz
Frequency:	Simultaneous Transmitting	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	(WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Horizontal		



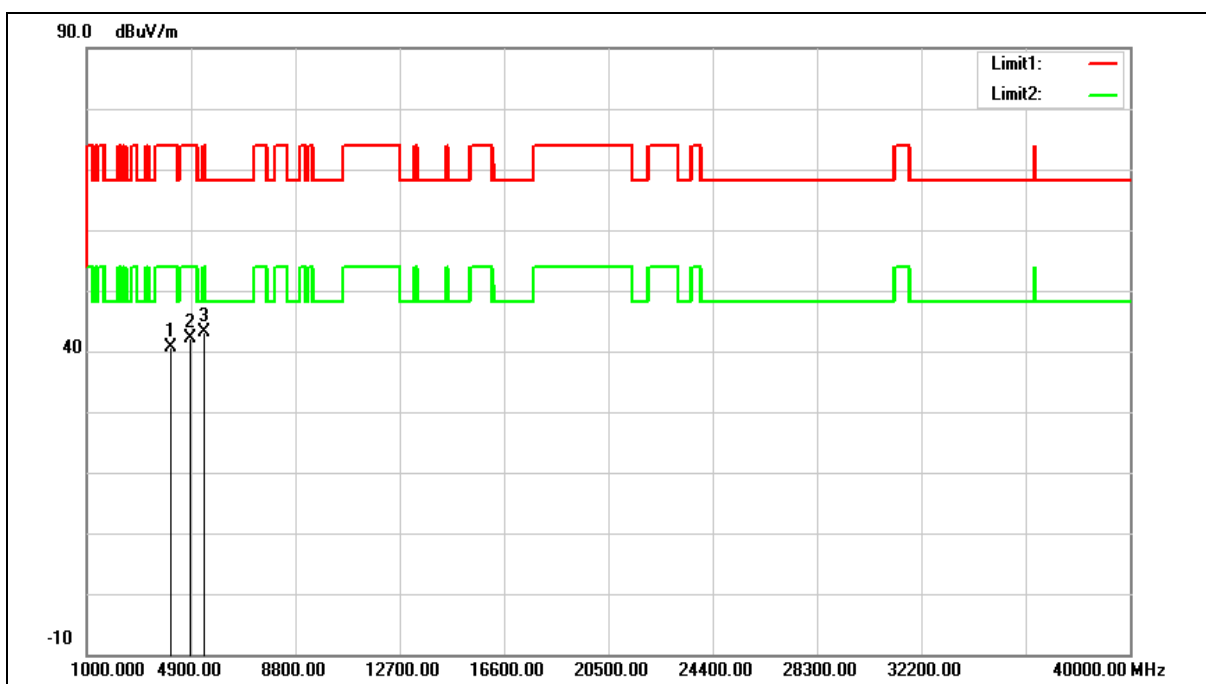
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2717.000	37.76	0.34	38.10	74.00	-35.90	peak
2	3669.000	36.41	2.88	39.29	74.00	-34.71	peak
3	4162.000	36.12	4.44	40.56	74.00	-33.44	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions	Power:	AC 120 V/60 Hz
Frequency:	Simultaneous Transmitting	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	(WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4111.000	36.39	4.30	40.69	74.00	-33.31	peak
2	4859.000	36.01	6.11	42.12	74.00	-31.88	peak
3	5386.000	35.63	7.56	43.19	74.00	-30.81	peak

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

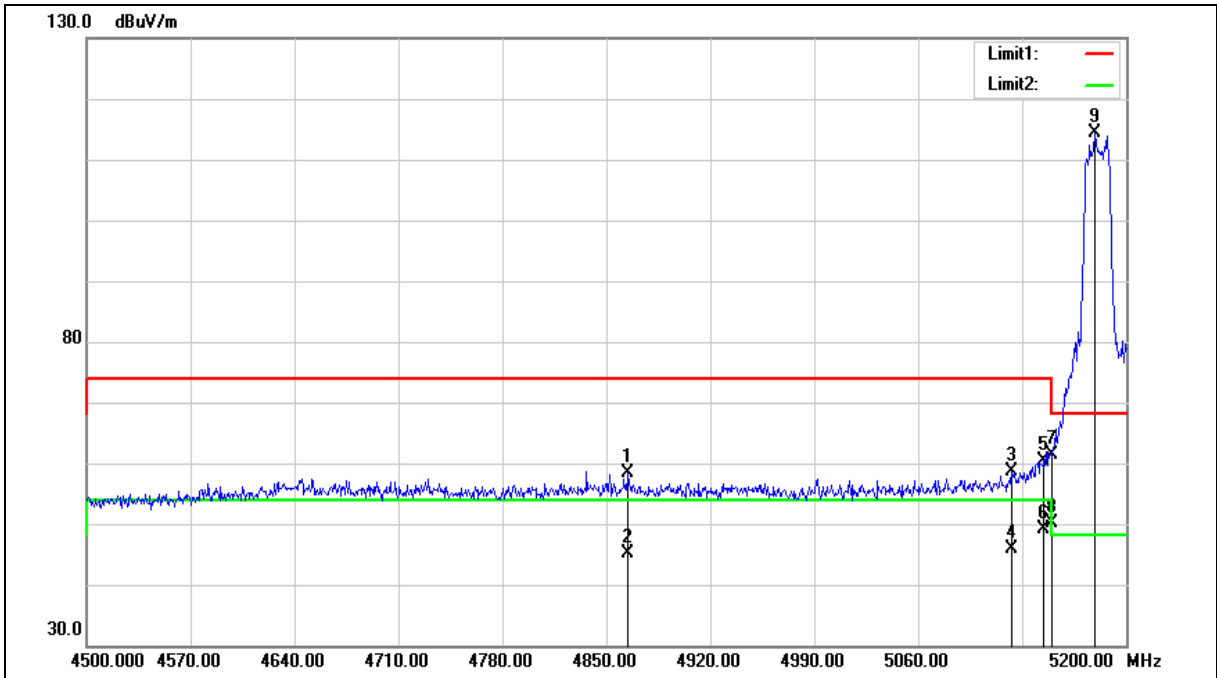
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4864.700	52.14	6.12	58.26	74.00	-15.74	peak
2	4864.700	39.03	6.12	45.15	54.00	-8.85	AVG
3	5123.000	51.82	6.77	58.59	74.00	-15.41	peak
4	5123.000	39.23	6.77	46.00	54.00	-8.00	AVG
5	5144.700	53.42	6.84	60.26	74.00	-13.74	peak
6	5144.700	42.31	6.84	49.15	54.00	-4.85	AVG
7	5150.000	54.42	6.86	61.28	74.00	-12.72	peak
8	5150.000	43.37	6.86	50.23	54.00	-3.77	AVG
9	5179.000	107.34	6.94	114.28	--	--	peak

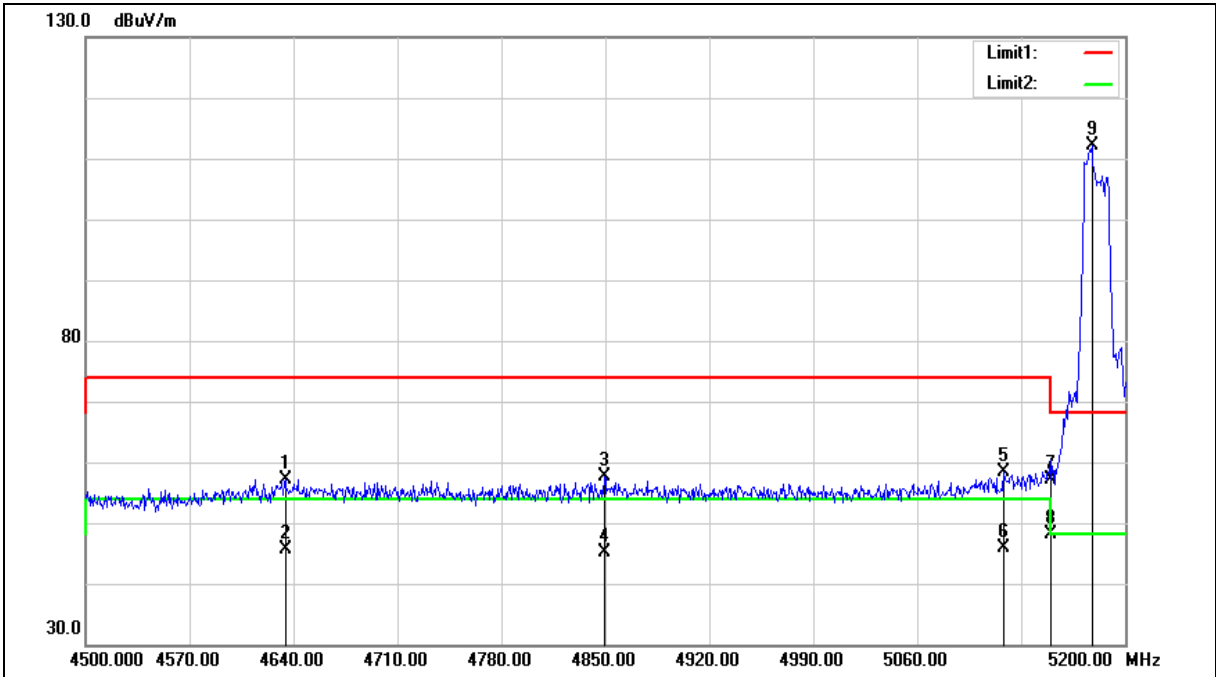
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4634.400	51.59	5.64	57.23	74.00	-16.77	peak
2	4634.400	39.95	5.64	45.59	54.00	-8.41	AVG
3	4849.300	51.46	6.10	57.56	74.00	-16.44	peak
4	4849.300	39.00	6.10	45.10	54.00	-8.90	AVG
5	5118.100	51.59	6.76	58.35	74.00	-15.65	peak
6	5118.100	39.17	6.76	45.93	54.00	-8.07	AVG
7	5150.000	50.16	6.86	57.02	74.00	-16.98	peak
8	5150.000	41.35	6.86	48.21	54.00	-5.79	AVG
9	5177.600	105.14	6.94	112.08	--	--	peak

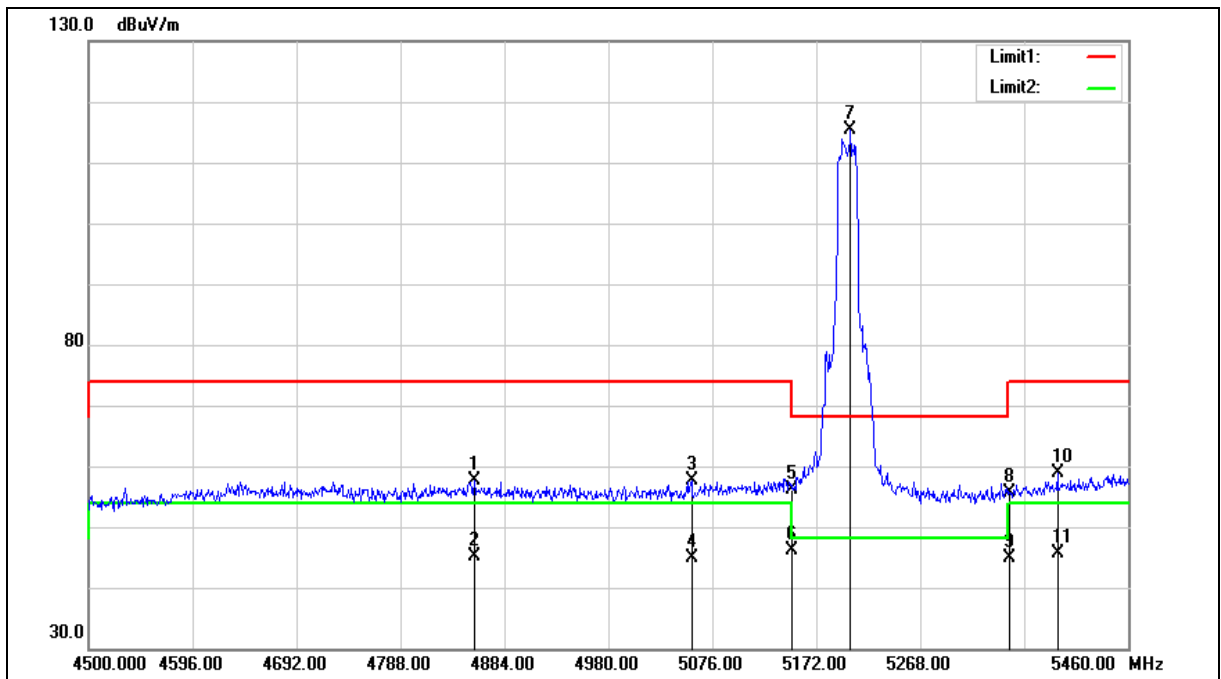
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4856.160	51.47	6.10	57.57	74.00	-16.43	peak
2	4856.160	39.03	6.10	45.13	54.00	-8.87	AVG
3	5056.800	50.98	6.58	57.56	74.00	-16.44	peak
4	5056.800	38.41	6.58	44.99	54.00	-9.01	AVG
5	5150.000	49.31	6.86	56.17	74.00	-17.83	peak
6	5150.000	39.38	6.86	46.24	54.00	-7.76	AVG
7	5203.680	108.31	7.01	115.32	--	--	peak
8	5350.000	48.15	7.44	55.59	74.00	-18.41	peak
9	5350.000	37.34	7.44	44.78	54.00	-9.22	AVG
10	5394.720	51.25	7.58	58.83	74.00	-15.17	peak
11	5394.720	38.10	7.58	45.68	54.00	-8.32	AVG

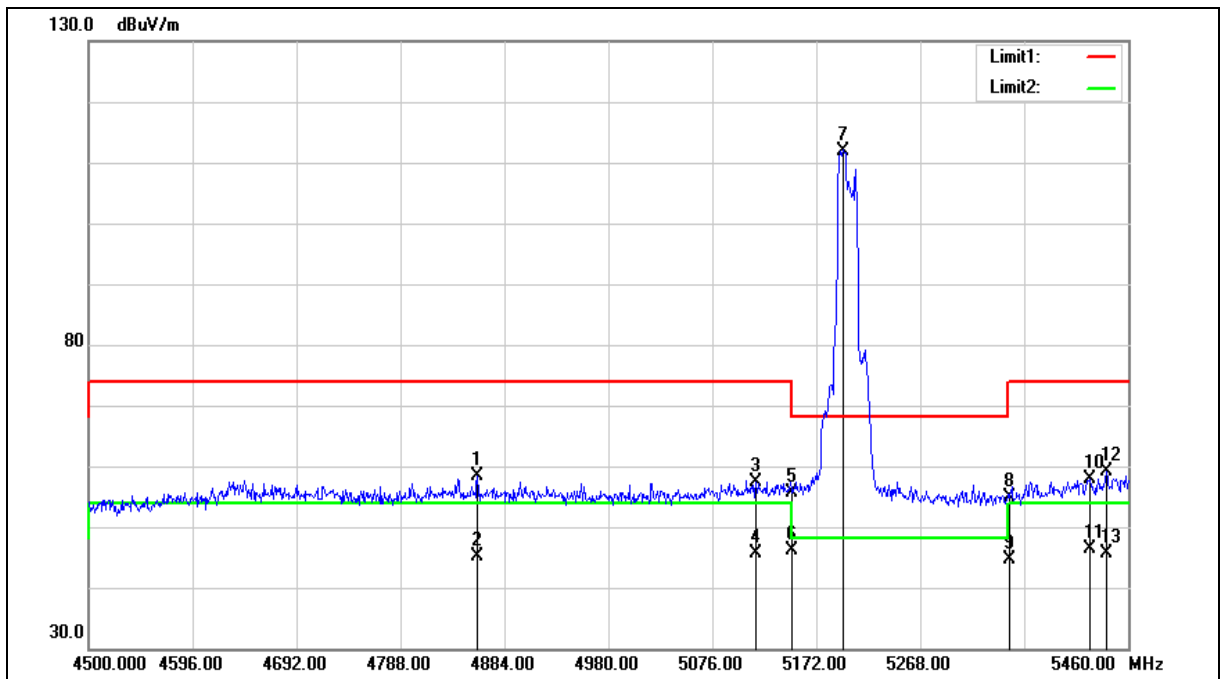
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4859.040	52.33	6.11	58.44	74.00	-15.56	peak
2	4859.040	39.11	6.11	45.22	54.00	-8.78	AVG
3	5116.320	50.53	6.75	57.28	74.00	-16.72	peak
4	5116.320	38.91	6.75	45.66	54.00	-8.34	AVG
5	5150.000	48.89	6.86	55.75	74.00	-18.25	peak
6	5150.000	39.21	6.86	46.07	54.00	-7.93	AVG
7	5196.960	105.00	7.00	112.00	--	--	peak
8	5350.000	47.36	7.44	54.80	74.00	-19.20	peak
9	5350.000	37.22	7.44	44.66	54.00	-9.34	AVG
10	5424.480	50.18	7.67	57.85	74.00	-16.15	peak
11	5424.480	38.63	7.67	46.30	54.00	-7.70	AVG
12	5439.840	51.31	7.71	59.02	74.00	-14.98	peak
13	5439.840	37.88	7.71	45.59	54.00	-8.41	AVG

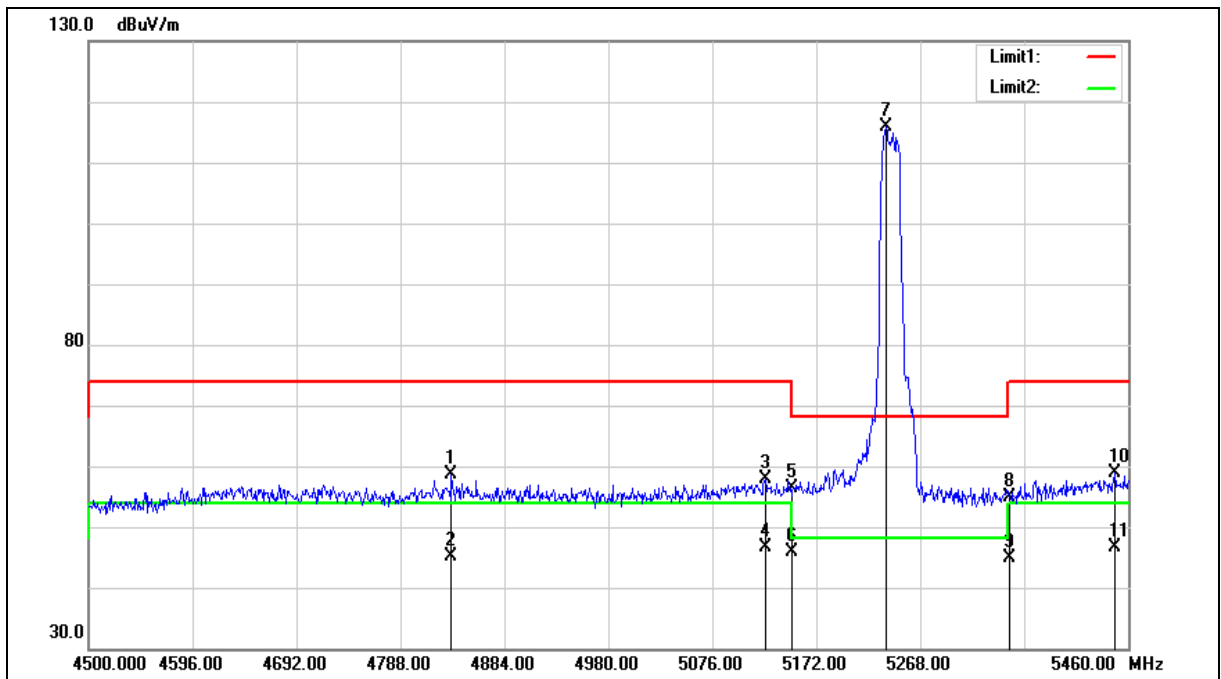
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 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	4835.040	52.64	6.06	58.70	74.00	-15.30	peak
2	4835.040	39.06	6.06	45.12	54.00	-8.88	AVG
3	5124.960	51.21	6.77	57.98	74.00	-16.02	peak
4	5124.960	39.91	6.77	46.68	54.00	-7.32	AVG
5	5150.000	49.45	6.86	56.31	74.00	-17.69	peak
6	5150.000	39.06	6.86	45.92	54.00	-8.08	AVG
7	5236.320	108.84	7.11	115.95	--	--	peak
8	5350.000	47.33	7.44	54.77	74.00	-19.23	peak
9	5350.000	37.34	7.44	44.78	54.00	-9.22	AVG
10	5447.520	51.16	7.74	58.90	74.00	-15.10	peak
11	5447.520	38.89	7.74	46.63	54.00	-7.37	AVG

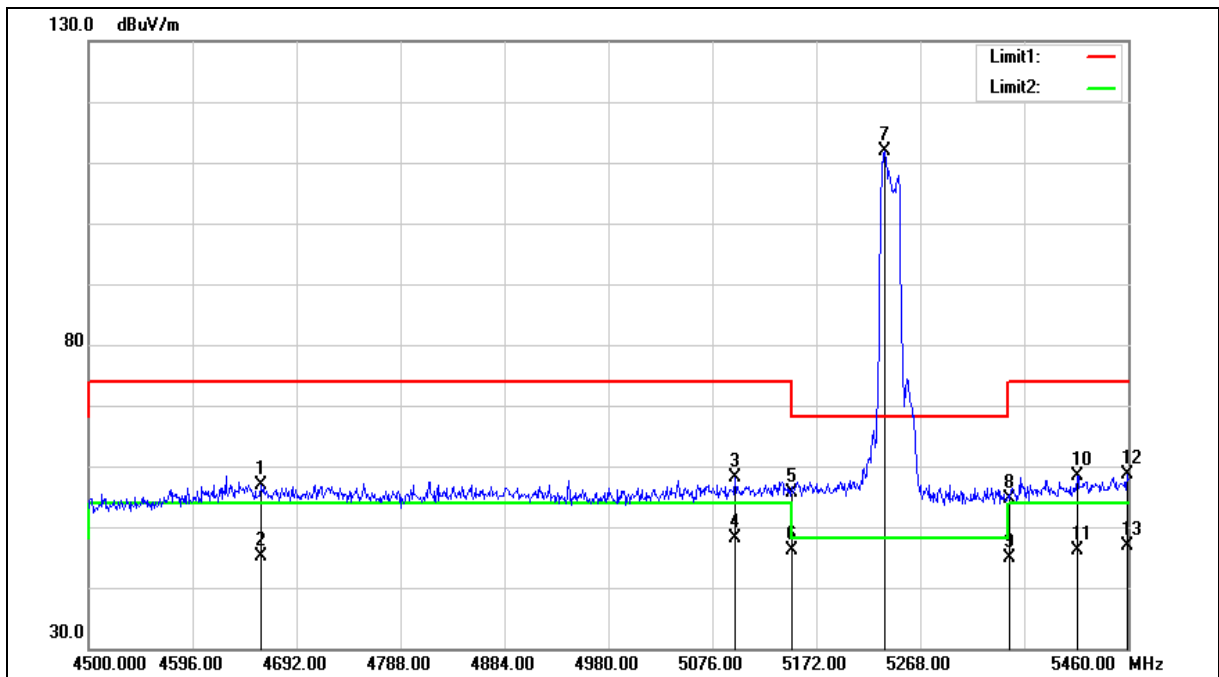
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

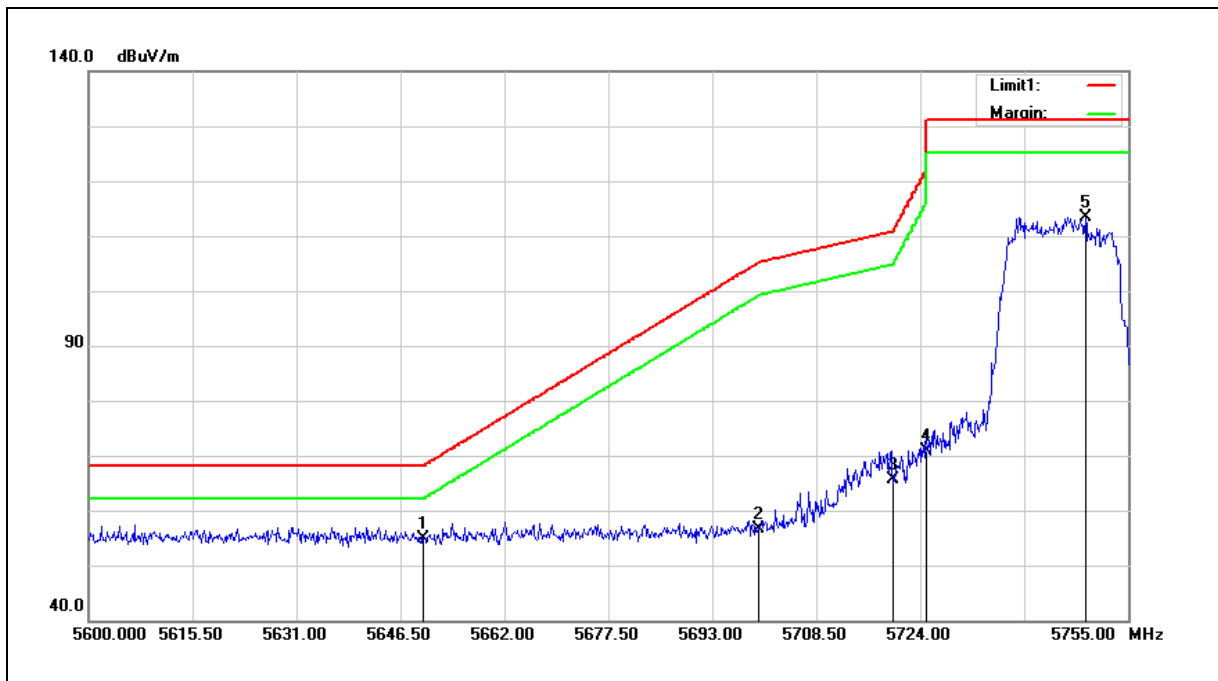
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4659.360	51.11	5.69	56.80	74.00	-17.20	peak
2	4659.360	39.38	5.69	45.07	54.00	-8.93	AVG
3	5097.120	51.48	6.70	58.18	74.00	-15.82	peak
4	5097.120	41.54	6.70	48.24	54.00	-5.76	AVG
5	5150.000	48.65	6.86	55.51	74.00	-18.49	peak
6	5150.000	39.27	6.86	46.13	54.00	-7.87	AVG
7	5235.360	104.77	7.11	111.88	--	--	peak
8	5350.000	47.18	7.44	54.62	74.00	-19.38	peak
9	5350.000	37.47	7.44	44.91	54.00	-9.09	AVG
10	5412.960	50.87	7.63	58.50	74.00	-15.50	peak
11	5412.960	38.44	7.63	46.07	54.00	-7.93	AVG
12	5459.040	50.79	7.77	58.56	74.00	-15.44	peak
13	5459.040	39.00	7.77	46.77	54.00	-7.23	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



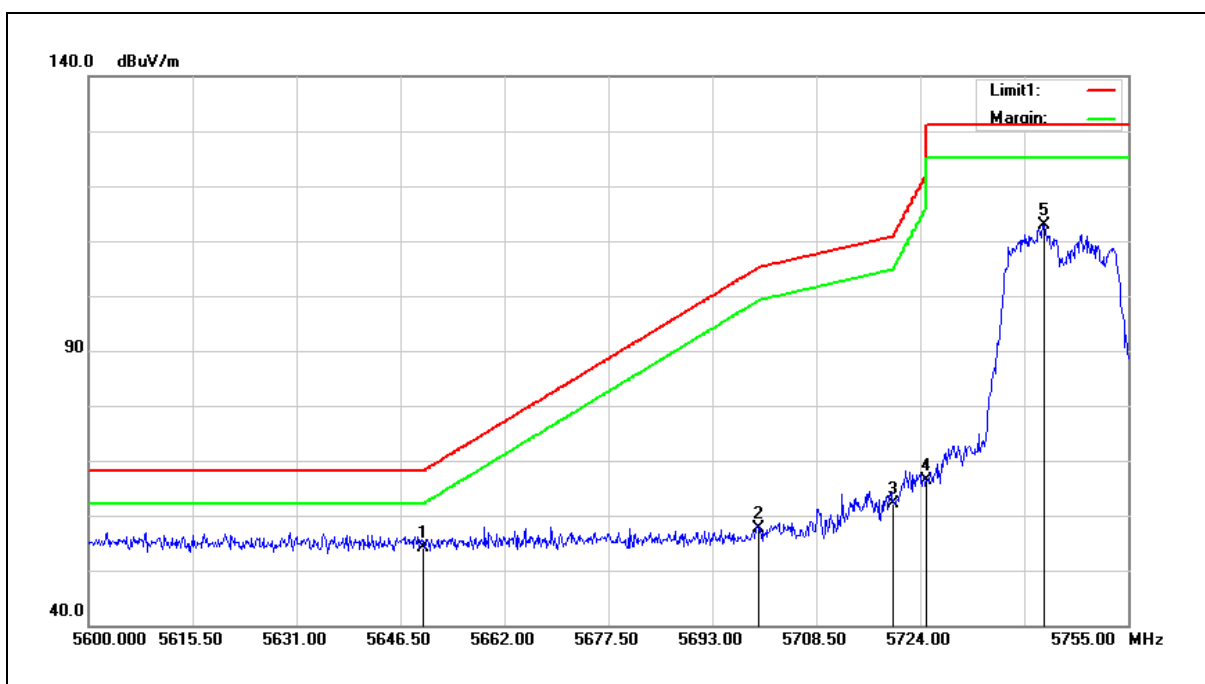
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.85	8.12	54.97	68.20	-13.23	peak
2	5700.000	48.41	8.19	56.60	105.20	-48.60	peak
3	5720.000	57.44	8.22	65.66	110.80	-45.14	peak
4	5725.000	62.53	8.23	70.76	122.20	-51.44	peak
5	5748.645	105.16	8.26	113.42	--	--	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 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	5650.000	46.10	8.12	54.22	68.20	-13.98	peak
2	5700.000	49.40	8.19	57.59	105.20	-47.61	peak
3	5720.000	53.94	8.22	62.16	110.80	-48.64	peak
4	5725.000	58.15	8.23	66.38	122.20	-55.82	peak
5	5742.445	104.70	8.25	112.95	--	--	peak

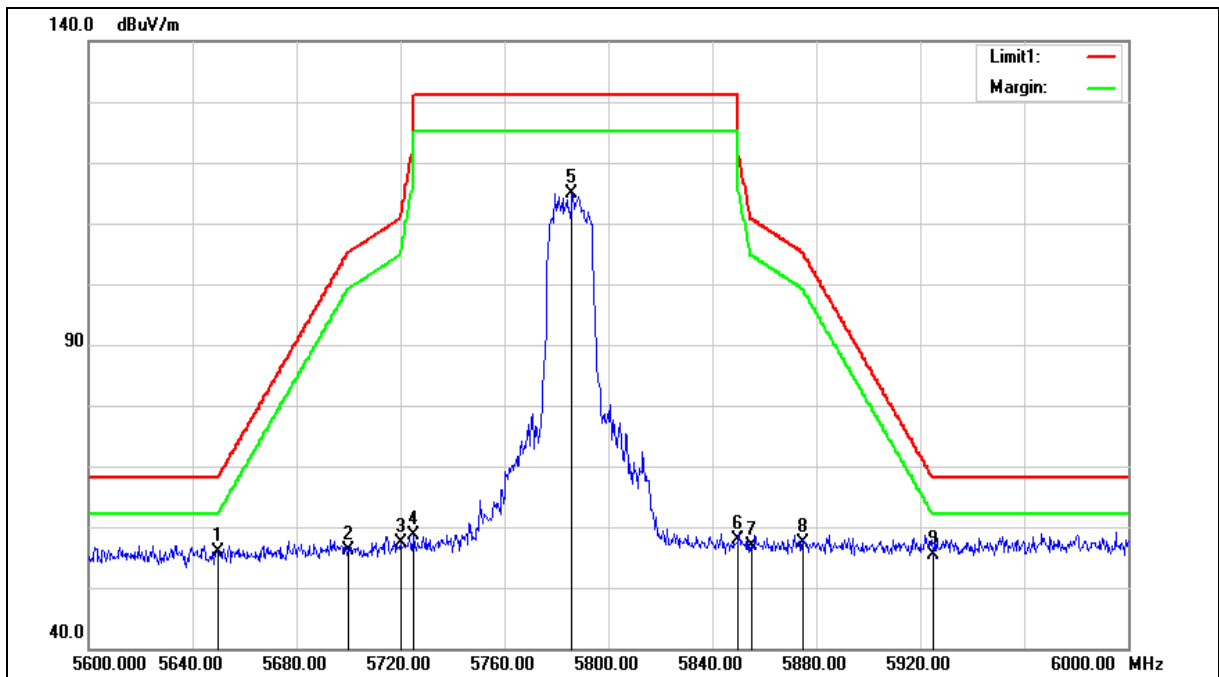
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 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	5650.000	47.76	8.12	55.88	68.20	-12.32	peak
2	5700.000	47.94	8.19	56.13	105.20	-49.07	peak
3	5720.000	49.21	8.22	57.43	110.80	-53.37	peak
4	5725.000	50.48	8.23	58.71	122.20	-63.49	peak
5	5786.000	106.63	8.32	114.95	--	--	peak
6	5850.000	49.58	8.40	57.98	122.20	-64.22	peak
7	5855.000	48.59	8.41	57.00	110.80	-53.80	peak
8	5875.000	49.00	8.44	57.44	105.20	-47.76	peak
9	5925.000	46.98	8.52	55.50	68.20	-12.70	peak

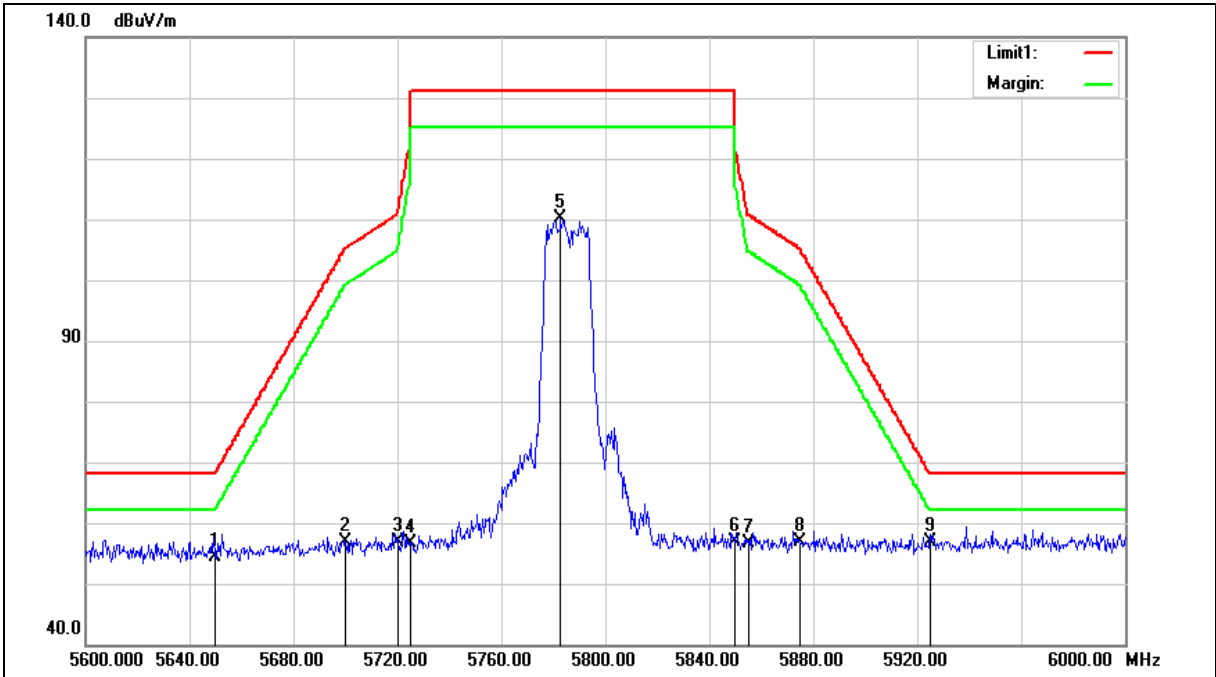
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 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	5650.000	46.15	8.12	54.27	68.20	-13.93	peak
2	5700.000	48.71	8.19	56.90	105.20	-48.30	peak
3	5720.000	48.76	8.22	56.98	110.80	-53.82	peak
4	5725.000	48.47	8.23	56.70	122.20	-65.50	peak
5	5782.800	101.81	8.30	110.11	--	--	peak
6	5850.000	48.44	8.40	56.84	122.20	-65.36	peak
7	5855.000	48.14	8.41	56.55	110.80	-54.25	peak
8	5875.000	48.33	8.44	56.77	105.20	-48.43	peak
9	5925.000	48.39	8.52	56.91	68.20	-11.29	peak

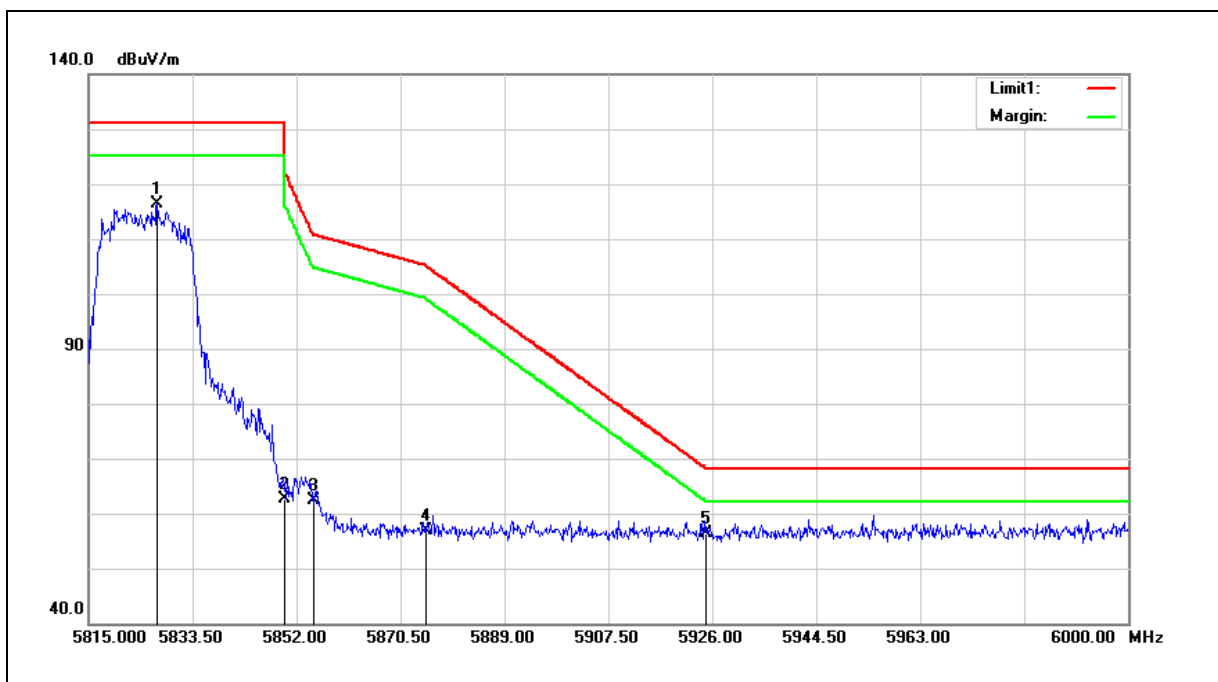
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



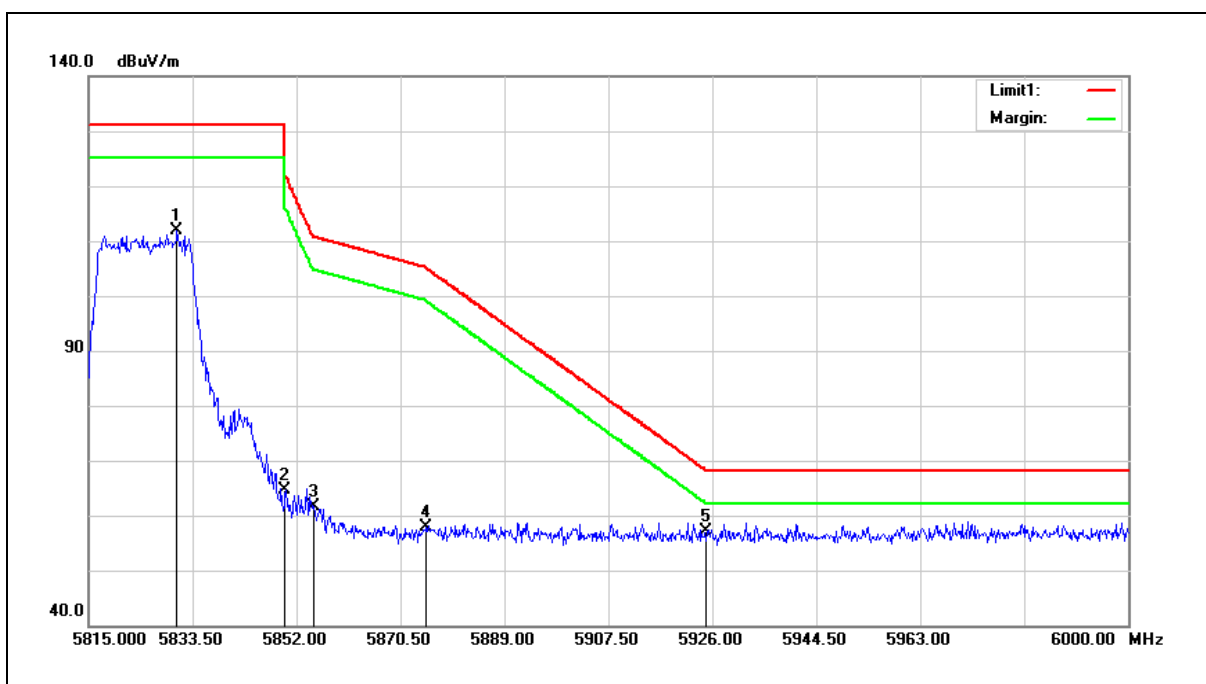
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.210	107.99	8.37	116.36	--	--	peak
2	5850.000	54.14	8.40	62.54	122.20	-59.66	peak
3	5855.000	54.05	8.41	62.46	110.80	-48.34	peak
4	5875.000	48.54	8.44	56.98	105.20	-48.22	peak
5	5925.000	47.91	8.52	56.43	68.20	-11.77	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 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	5830.725	103.51	8.38	111.89	--	--	peak
2	5850.000	56.34	8.40	64.74	122.20	-57.46	peak
3	5855.000	53.22	8.41	61.63	110.80	-49.17	peak
4	5875.000	49.39	8.44	57.83	105.20	-47.37	peak
5	5925.000	48.58	8.52	57.10	68.20	-11.10	peak

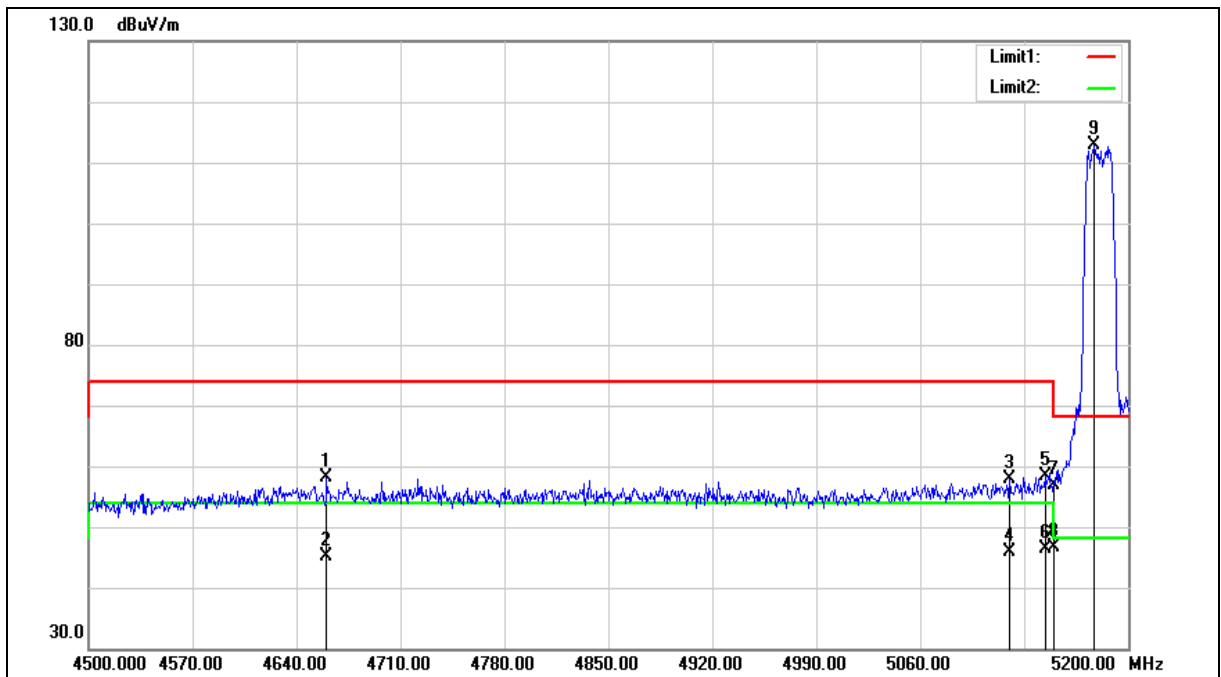
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4660.300	52.53	5.69	58.22	74.00	-15.78	peak
2	4660.300	39.45	5.69	45.14	54.00	-8.86	AVG
3	5120.200	51.02	6.76	57.78	74.00	-16.22	peak
4	5120.200	39.07	6.76	45.83	54.00	-8.17	AVG
5	5144.000	51.65	6.84	58.49	74.00	-15.51	peak
6	5144.000	39.66	6.84	46.50	54.00	-7.50	AVG
7	5150.000	50.02	6.86	56.88	74.00	-17.12	peak
8	5150.000	39.81	6.86	46.67	54.00	-7.33	AVG
9	5176.900	105.84	6.94	112.78	--	--	peak

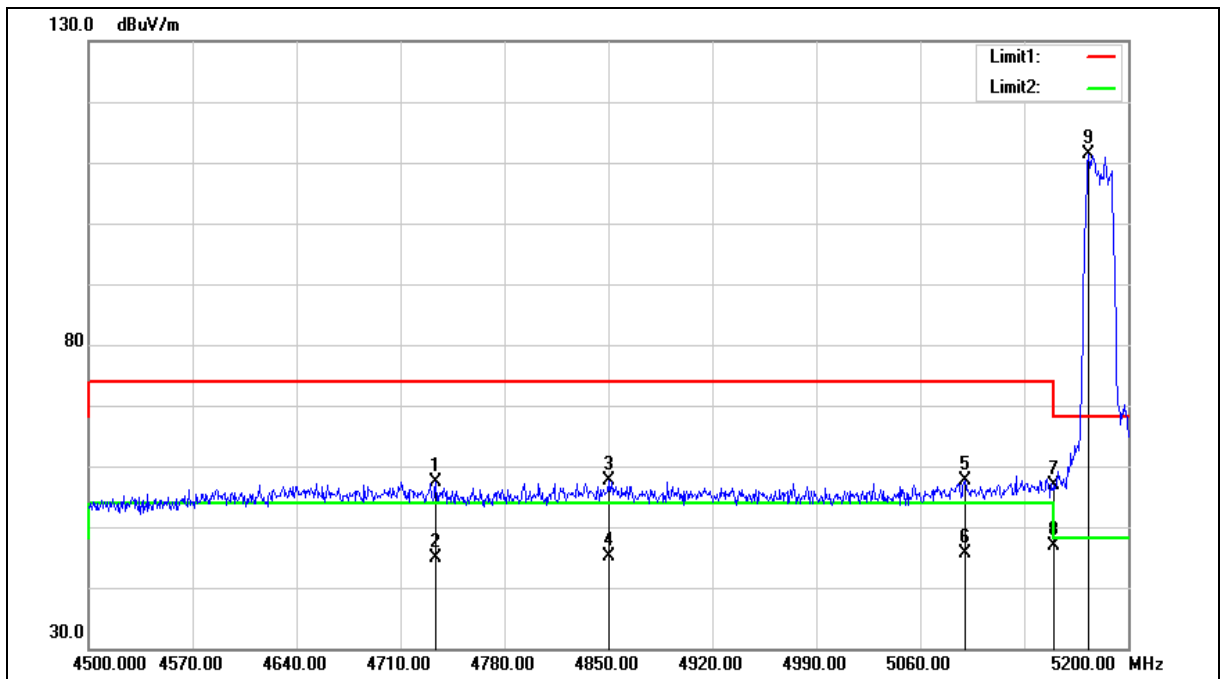
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4733.800	51.56	5.84	57.40	74.00	-16.60	peak
2	4733.800	39.07	5.84	44.91	54.00	-9.09	AVG
3	4850.000	51.63	6.10	57.73	74.00	-16.27	peak
4	4850.000	39.00	6.10	45.10	54.00	-8.90	AVG
5	5090.100	50.85	6.67	57.52	74.00	-16.48	peak
6	5090.100	38.87	6.67	45.54	54.00	-8.46	AVG
7	5150.000	50.12	6.86	56.98	74.00	-17.02	peak
8	5150.000	40.02	6.86	46.88	54.00	-7.12	AVG
9	5173.400	104.55	6.92	111.47	--	--	peak

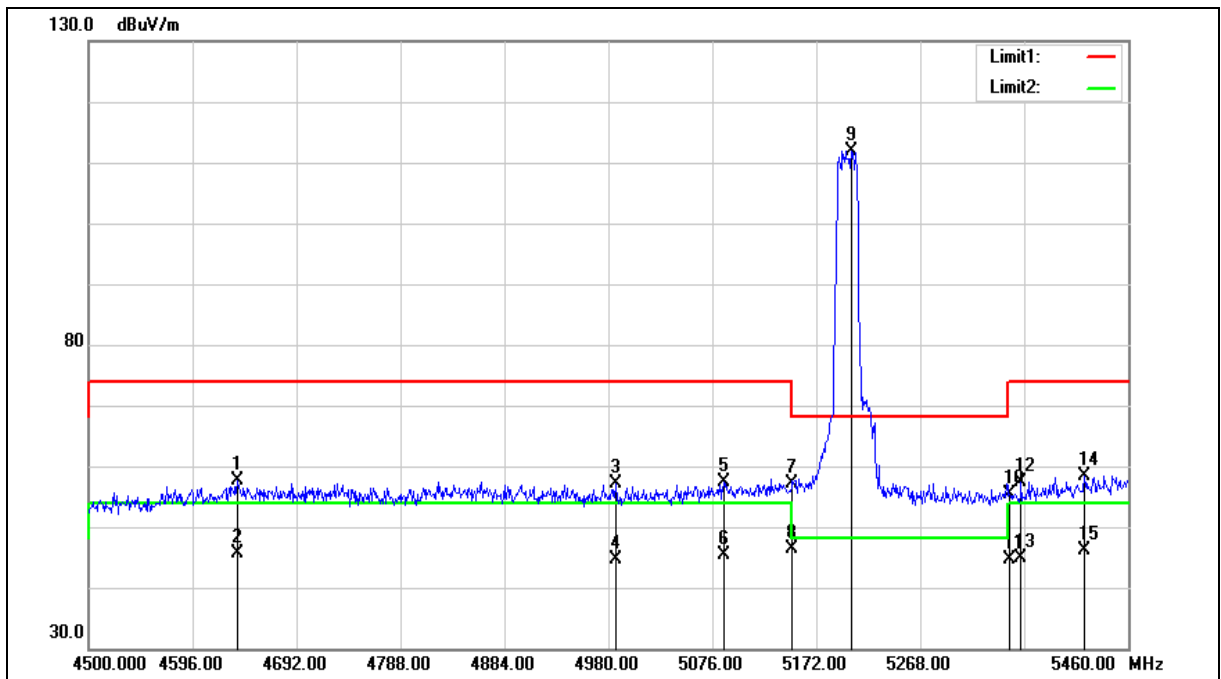
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4637.280	52.04	5.64	57.68	74.00	-16.32	peak
2	4637.280	40.03	5.64	45.67	54.00	-8.33	AVG
3	4986.720	50.86	6.38	57.24	74.00	-16.76	peak
4	4986.720	38.15	6.38	44.53	54.00	-9.47	AVG
5	5086.560	50.63	6.67	57.30	74.00	-16.70	peak
6	5086.560	38.62	6.67	45.29	54.00	-8.71	AVG
7	5150.000	50.23	6.86	57.09	74.00	-16.91	peak
8	5150.000	39.61	6.86	46.47	54.00	-7.53	AVG
9	5204.640	104.92	7.01	111.93	--	--	peak
10	5350.000	48.06	7.44	55.50	74.00	-18.50	peak
11	5350.000	37.24	7.44	44.68	54.00	-9.32	AVG
12	5361.120	49.80	7.47	57.27	74.00	-16.73	peak
13	5361.120	37.47	7.47	44.94	54.00	-9.06	AVG
14	5419.680	50.79	7.66	58.45	74.00	-15.55	peak
15	5419.680	38.49	7.66	46.15	54.00	-7.85	AVG

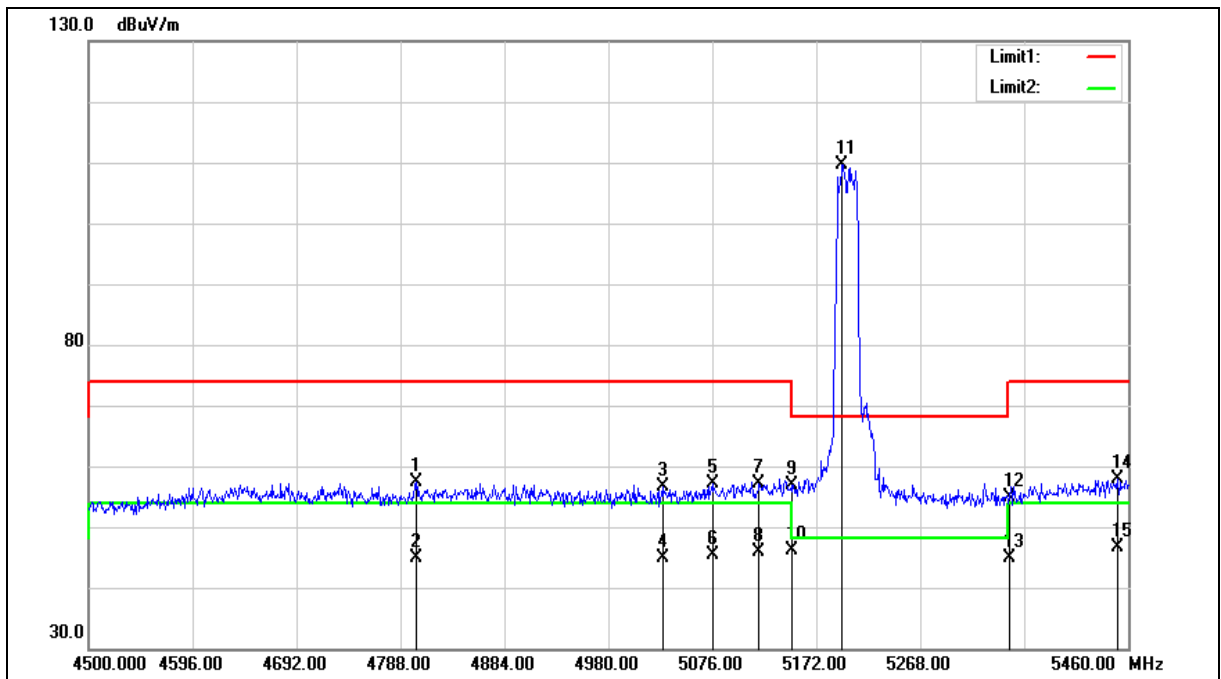
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4802.400	51.34	6.00	57.34	74.00	-16.66	peak
2	4802.400	38.84	6.00	44.84	54.00	-9.16	AVG
3	5029.920	50.11	6.50	56.61	74.00	-17.39	peak
4	5029.920	38.29	6.50	44.79	54.00	-9.21	AVG
5	5076.000	50.41	6.64	57.05	74.00	-16.95	peak
6	5076.000	38.66	6.64	45.30	54.00	-8.70	AVG
7	5119.200	50.33	6.76	57.09	74.00	-16.91	peak
8	5119.200	39.10	6.76	45.86	54.00	-8.14	AVG
9	5150.000	49.92	6.86	56.78	74.00	-17.22	peak
10	5150.000	39.34	6.86	46.20	54.00	-7.80	AVG
11	5196.000	102.75	7.00	109.75	--	--	peak
12	5350.000	47.40	7.44	54.84	74.00	-19.16	peak
13	5350.000	37.37	7.44	44.81	54.00	-9.19	AVG
14	5450.400	50.22	7.74	57.96	74.00	-16.04	peak
15	5450.400	38.90	7.74	46.64	54.00	-7.36	AVG

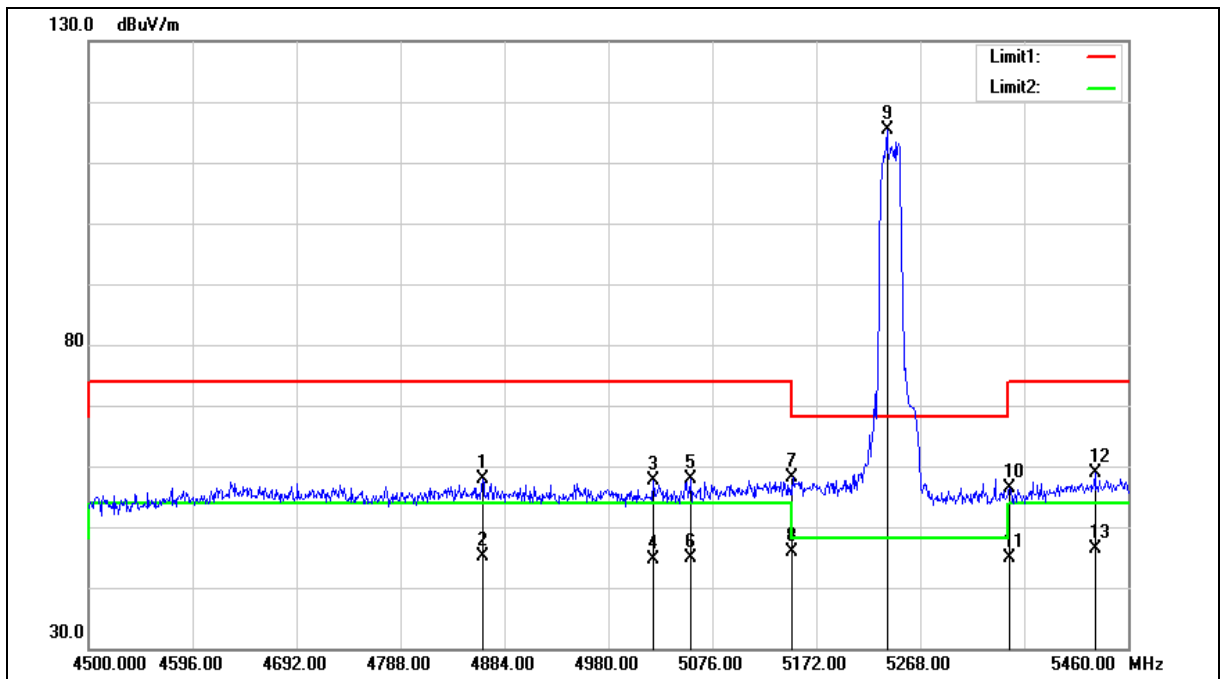
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 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	4863.840	51.64	6.12	57.76	74.00	-16.24	peak
2	4863.840	39.03	6.12	45.15	54.00	-8.85	AVG
3	5021.280	51.04	6.47	57.51	74.00	-16.49	peak
4	5021.280	38.21	6.47	44.68	54.00	-9.32	AVG
5	5055.840	51.29	6.58	57.87	74.00	-16.13	peak
6	5055.840	38.42	6.58	45.00	54.00	-9.00	AVG
7	5150.000	51.19	6.86	58.05	74.00	-15.95	peak
8	5150.000	39.10	6.86	45.96	54.00	-8.04	AVG
9	5237.280	108.23	7.12	115.35	--	--	peak
10	5350.000	48.96	7.44	56.40	74.00	-17.60	peak
11	5350.000	37.33	7.44	44.77	54.00	-9.23	AVG
12	5429.280	51.15	7.68	58.83	74.00	-15.17	peak
13	5429.280	38.65	7.68	46.33	54.00	-7.67	AVG

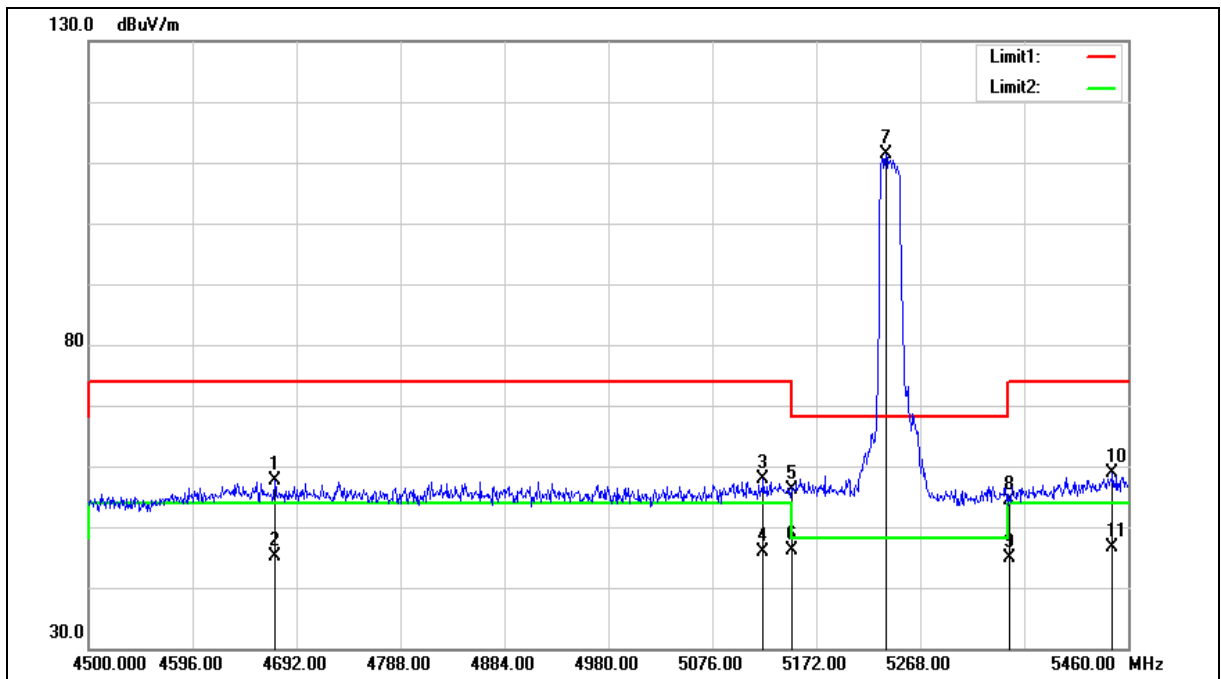
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

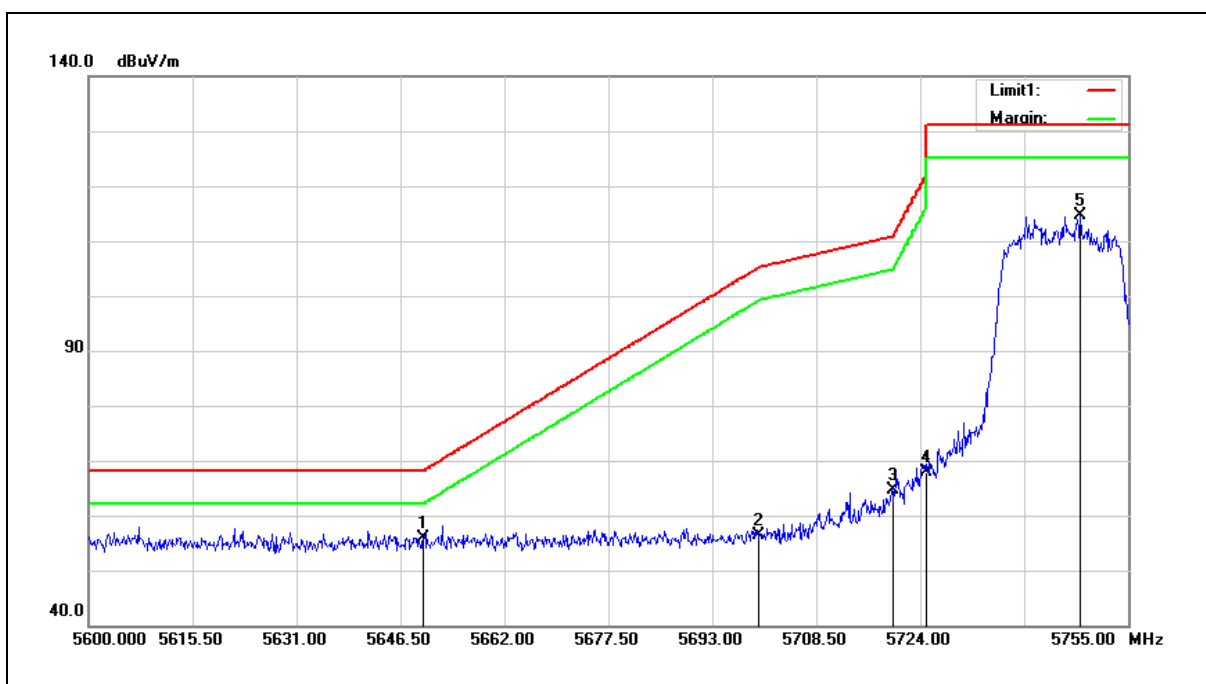
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4671.840	51.87	5.72	57.59	74.00	-16.41	peak
2	4671.840	39.36	5.72	45.08	54.00	-8.92	AVG
3	5123.040	51.00	6.77	57.77	74.00	-16.23	peak
4	5123.040	39.01	6.77	45.78	54.00	-8.22	AVG
5	5150.000	49.26	6.86	56.12	74.00	-17.88	peak
6	5150.000	39.17	6.86	46.03	54.00	-7.97	AVG
7	5236.320	104.21	7.11	111.32	--	--	peak
8	5350.000	47.03	7.44	54.47	74.00	-19.53	peak
9	5350.000	37.44	7.44	44.88	54.00	-9.12	AVG
10	5445.600	51.04	7.74	58.78	74.00	-15.22	peak
11	5445.600	38.88	7.74	46.62	54.00	-7.38	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



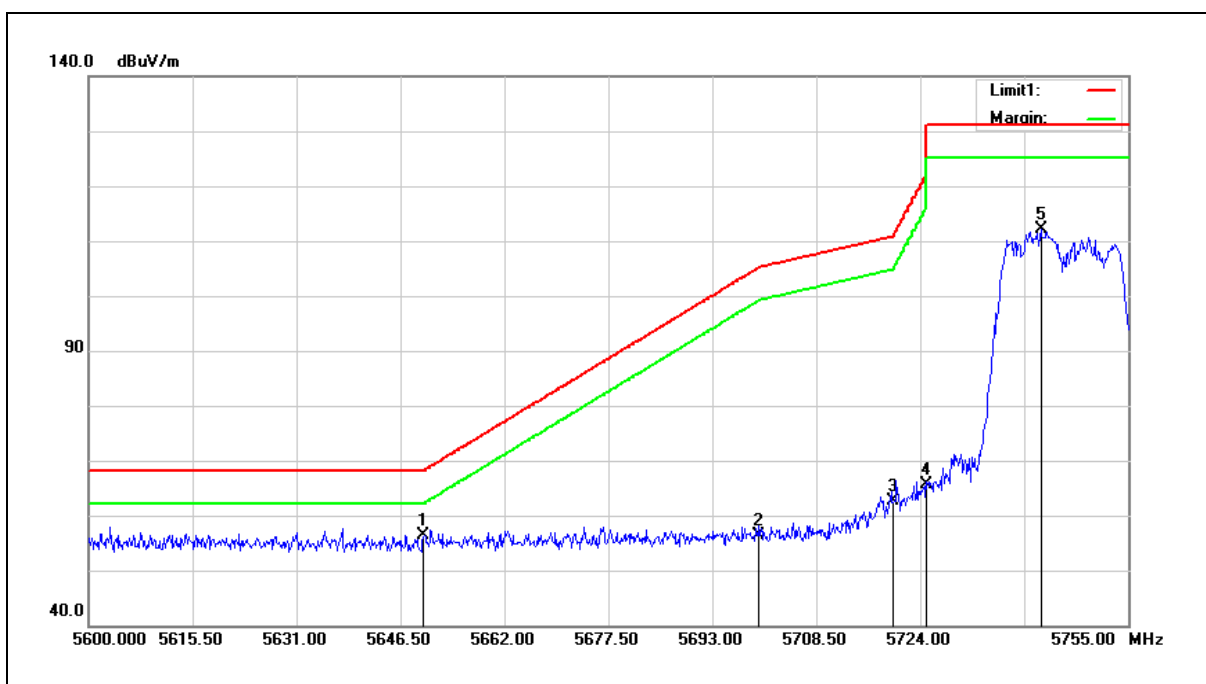
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.72	8.12	55.84	68.20	-12.36	peak
2	5700.000	48.16	8.19	56.35	105.20	-48.85	peak
3	5720.000	56.35	8.22	64.57	110.80	-46.23	peak
4	5725.000	59.55	8.23	67.78	122.20	-54.42	peak
5	5747.870	106.38	8.26	114.64	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 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	5650.000	48.32	8.12	56.44	68.20	-11.76	peak
2	5700.000	48.17	8.19	56.36	105.20	-48.84	peak
3	5720.000	54.44	8.22	62.66	110.80	-48.14	peak
4	5725.000	57.52	8.23	65.75	122.20	-56.45	peak
5	5741.980	103.79	8.25	112.04	--	--	peak

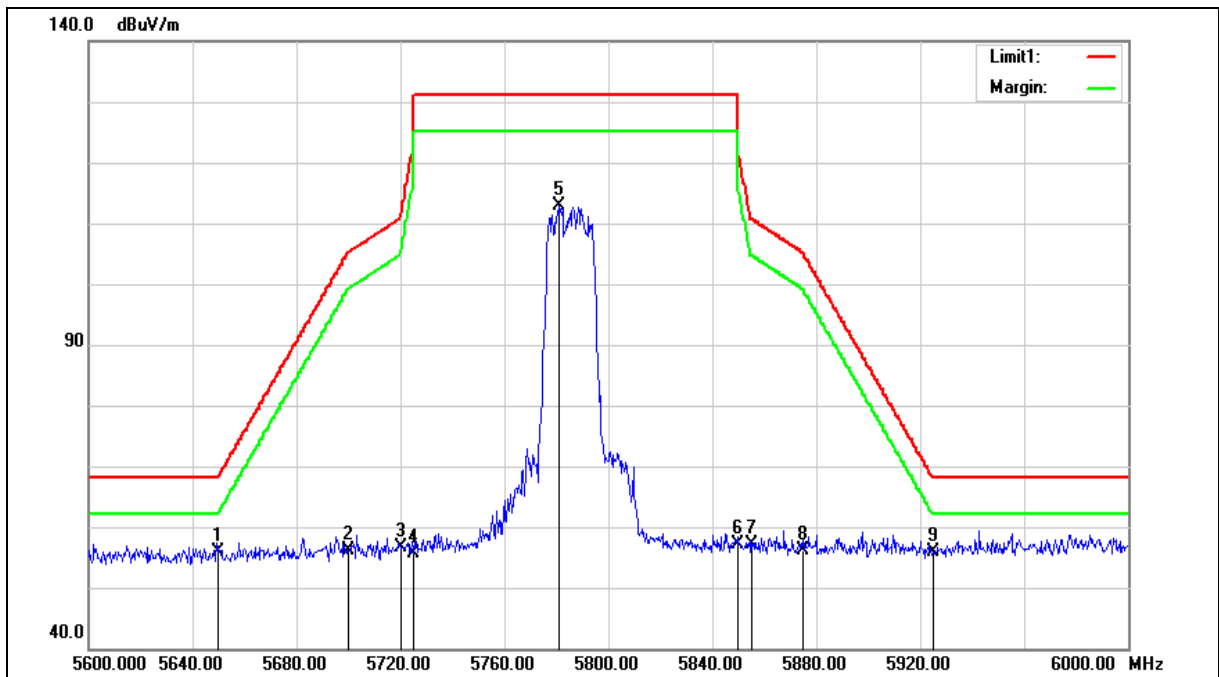
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 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	5650.000	47.72	8.12	55.84	68.20	-12.36	peak
2	5700.000	47.98	8.19	56.17	105.20	-49.03	peak
3	5720.000	48.32	8.22	56.54	110.80	-54.26	peak
4	5725.000	47.36	8.23	55.59	122.20	-66.61	peak
5	5781.200	104.62	8.30	112.92	--	--	peak
6	5850.000	48.85	8.40	57.25	122.20	-64.95	peak
7	5855.000	48.64	8.41	57.05	110.80	-53.75	peak
8	5875.000	47.77	8.44	56.21	105.20	-48.99	peak
9	5925.000	47.36	8.52	55.88	68.20	-12.32	peak

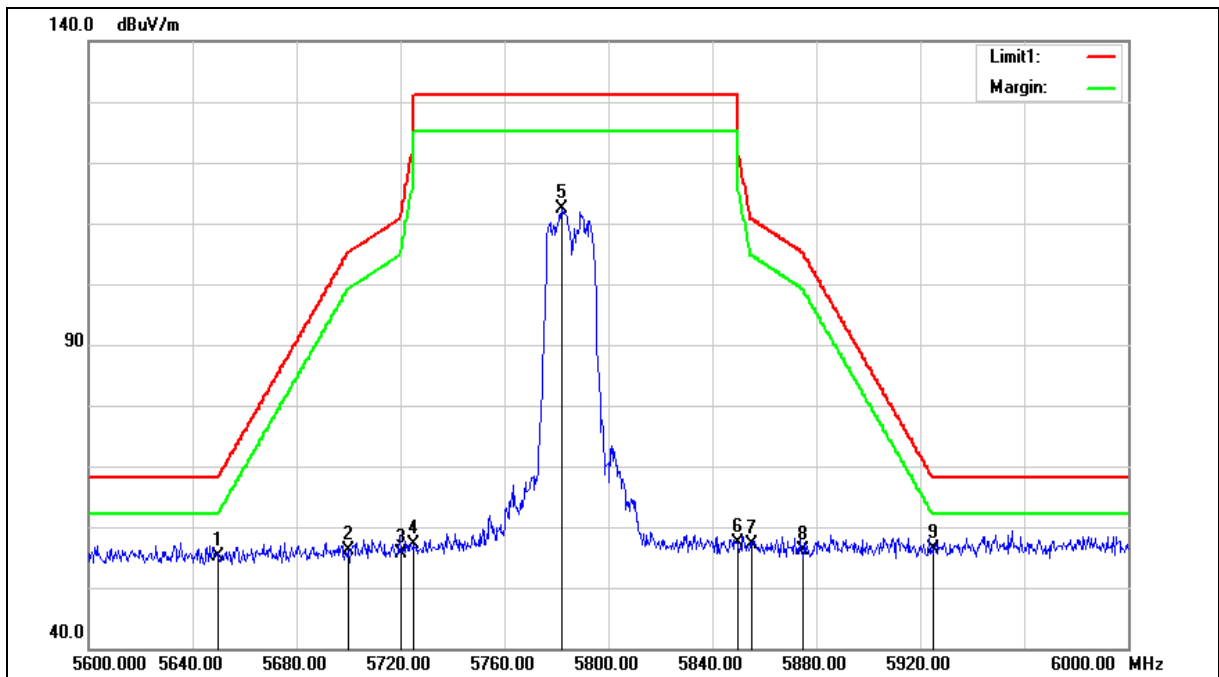
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

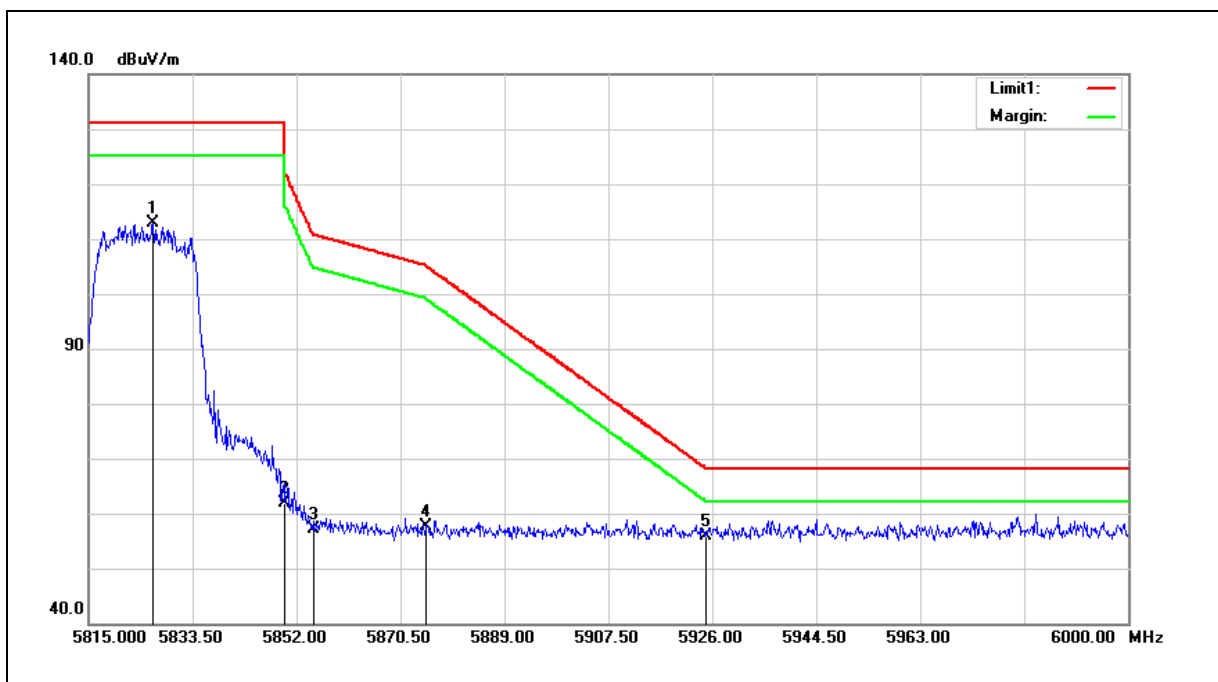
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.98	8.12	55.10	68.20	-13.10	peak
2	5700.000	47.90	8.19	56.09	105.20	-49.11	peak
3	5720.000	47.40	8.22	55.62	110.80	-55.18	peak
4	5725.000	48.96	8.23	57.19	122.20	-65.01	peak
5	5782.000	104.15	8.30	112.45	--	--	peak
6	5850.000	48.93	8.40	57.33	122.20	-64.87	peak
7	5855.000	48.81	8.41	57.22	110.80	-53.58	peak
8	5875.000	47.60	8.44	56.04	105.20	-49.16	peak
9	5925.000	47.75	8.52	56.27	68.20	-11.93	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



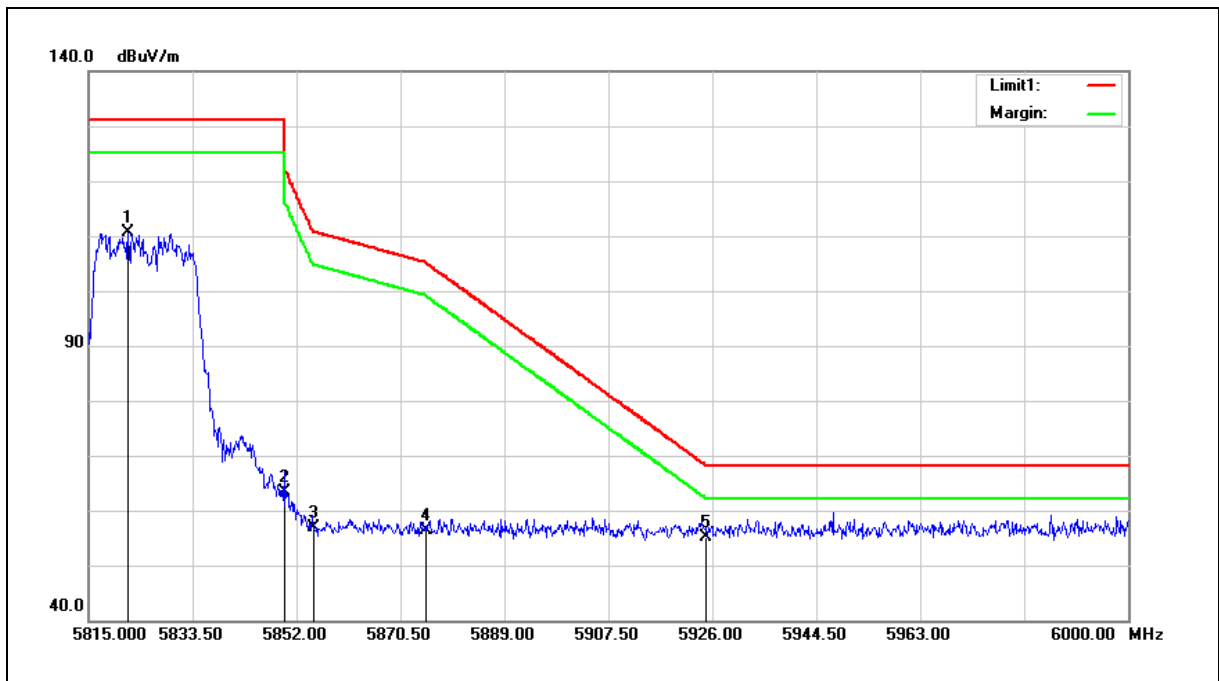
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.470	104.49	8.37	112.86	--	--	peak
2	5850.000	53.41	8.40	61.81	122.20	-60.39	peak
3	5855.000	48.76	8.41	57.17	110.80	-53.63	peak
4	5875.000	49.12	8.44	57.56	105.20	-47.64	peak
5	5925.000	47.37	8.52	55.89	68.20	-12.31	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 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	5822.030	102.22	8.36	110.58	--	--	peak
2	5850.000	55.08	8.40	63.48	122.20	-58.72	peak
3	5855.000	48.50	8.41	56.91	110.80	-53.89	peak
4	5875.000	48.02	8.44	56.46	105.20	-48.74	peak
5	5925.000	46.73	8.52	55.25	68.20	-12.95	peak

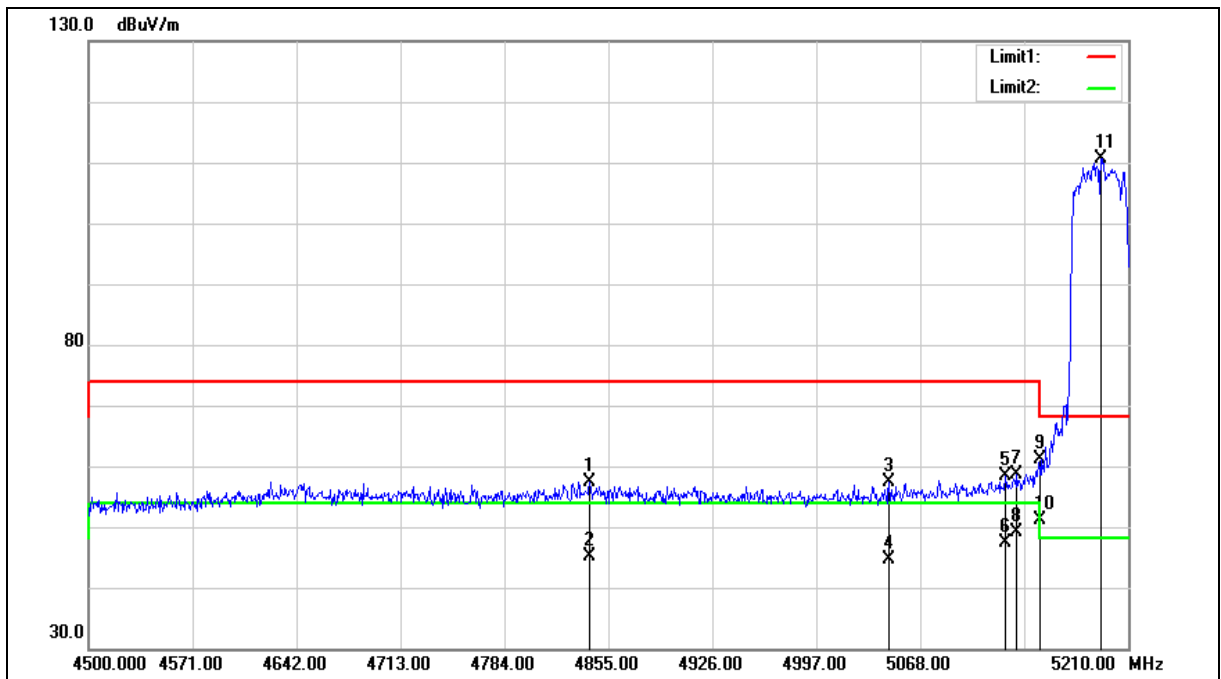
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4842.220	51.39	6.07	57.46	74.00	-16.54	peak
2	4842.220	38.97	6.07	45.04	54.00	-8.96	AVG
3	5046.700	50.72	6.55	57.27	74.00	-16.73	peak
4	5046.700	38.17	6.55	44.72	54.00	-9.28	AVG
5	5126.220	51.51	6.79	58.30	74.00	-15.70	peak
6	5126.220	40.56	6.79	47.35	54.00	-6.65	AVG
7	5134.030	51.75	6.81	58.56	74.00	-15.44	peak
8	5134.030	42.30	6.81	49.11	54.00	-4.89	AVG
9	5150.000	54.20	6.86	61.06	74.00	-12.94	peak
10	5150.000	44.18	6.86	51.04	54.00	-2.96	AVG
11	5191.540	103.55	6.98	110.53	--	--	peak

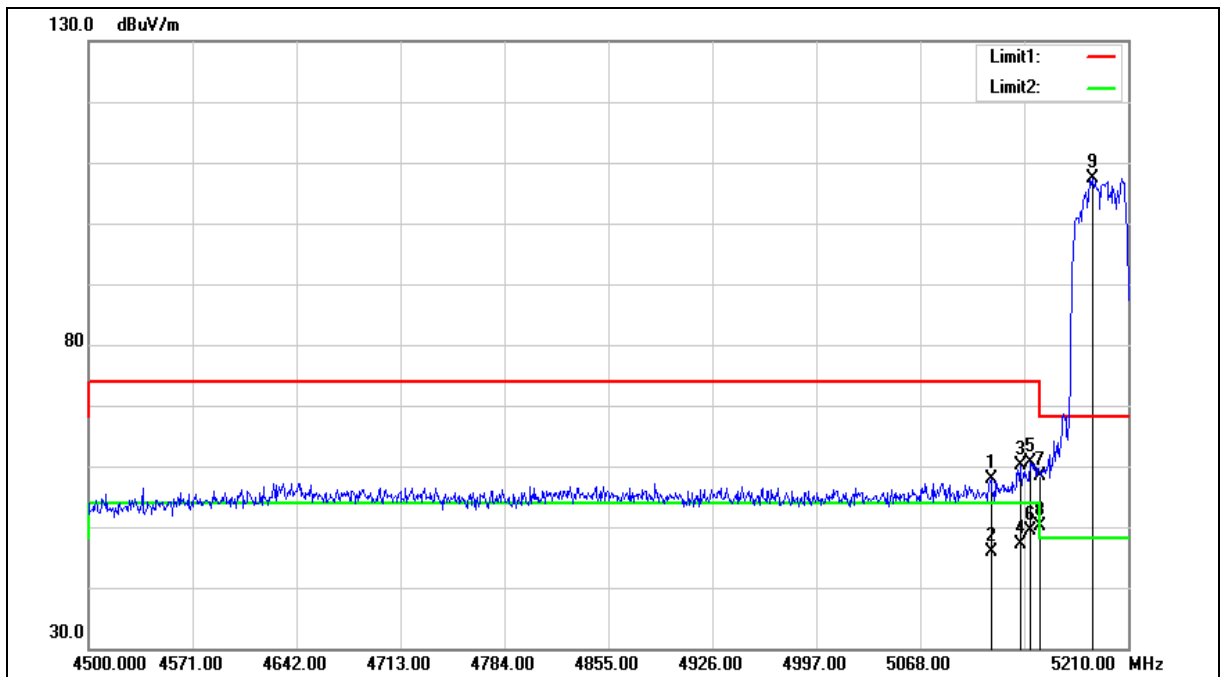
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5116.280	51.10	6.75	57.85	74.00	-16.15	peak
2	5116.280	39.17	6.75	45.92	54.00	-8.08	AVG
3	5136.160	53.23	6.82	60.05	74.00	-13.95	peak
4	5136.160	40.19	6.82	47.01	54.00	-6.99	AVG
5	5143.260	53.67	6.84	60.51	74.00	-13.49	peak
6	5143.260	42.55	6.84	49.39	54.00	-4.61	AVG
7	5150.000	51.64	6.86	58.50	74.00	-15.50	peak
8	5150.000	43.34	6.86	50.20	54.00	-3.80	AVG
9	5185.860	100.42	6.97	107.39	--	--	peak

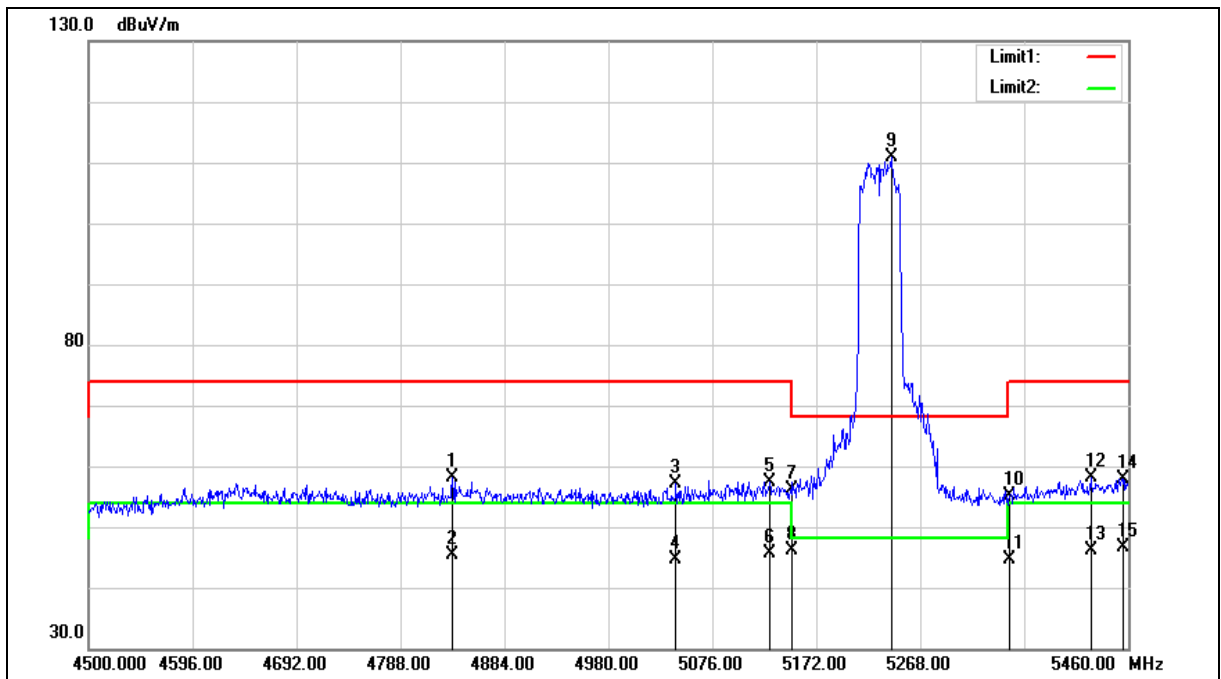
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4836.000	51.99	6.06	58.05	74.00	-15.95	peak
2	4836.000	39.20	6.06	45.26	54.00	-8.74	AVG
3	5042.400	50.48	6.53	57.01	74.00	-16.99	peak
4	5042.400	38.02	6.53	44.55	54.00	-9.45	AVG
5	5128.800	50.65	6.80	57.45	74.00	-16.55	peak
6	5128.800	38.91	6.80	45.71	54.00	-8.29	AVG
7	5150.000	49.30	6.86	56.16	74.00	-17.84	peak
8	5150.000	39.27	6.86	46.13	54.00	-7.87	AVG
9	5241.120	103.88	7.12	111.00	--	--	peak
10	5350.000	47.66	7.44	55.10	74.00	-18.90	peak
11	5350.000	37.15	7.44	44.59	54.00	-9.41	AVG
12	5425.440	50.51	7.68	58.19	74.00	-15.81	peak
13	5425.440	38.47	7.68	46.15	54.00	-7.85	AVG
14	5455.200	50.13	7.76	57.89	74.00	-16.11	peak
15	5455.200	38.81	7.76	46.57	54.00	-7.43	AVG

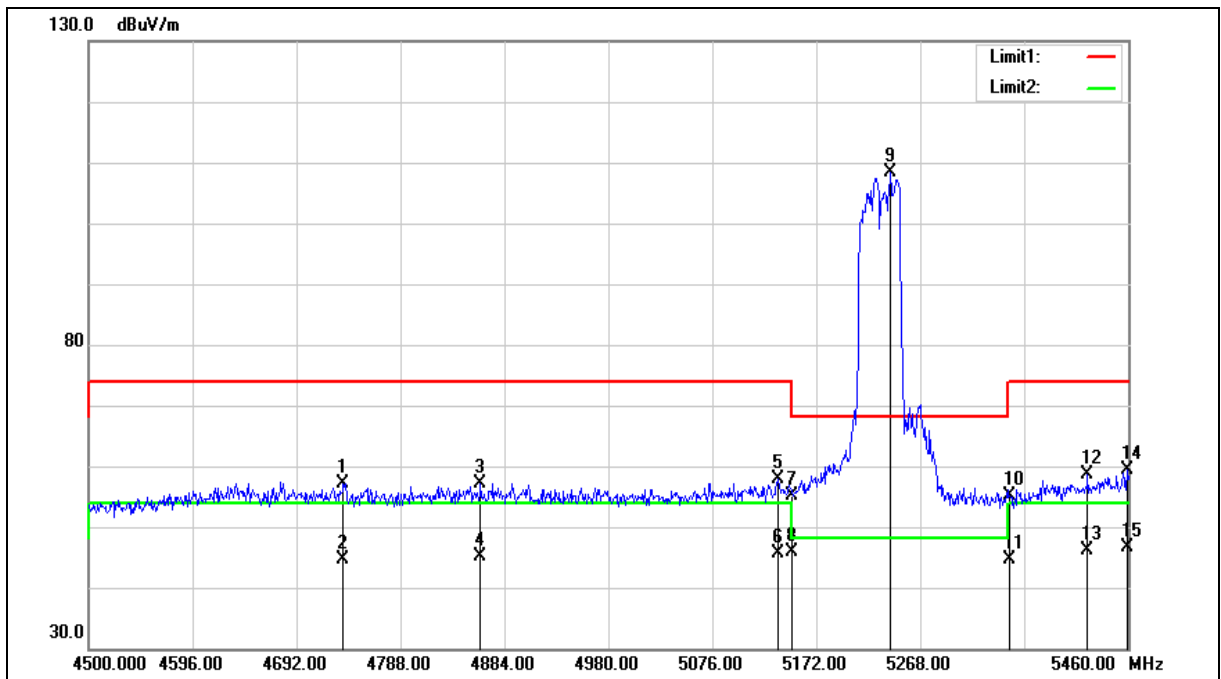
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

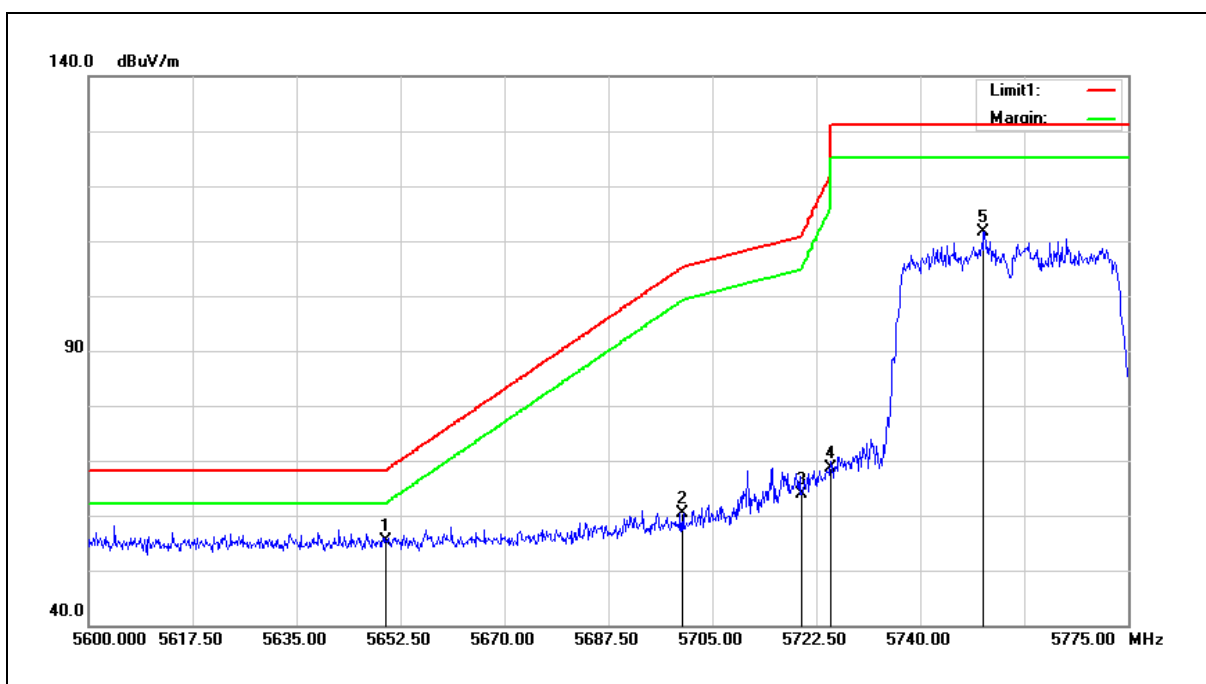
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4735.200	51.38	5.85	57.23	74.00	-16.77	peak
2	4735.200	38.77	5.85	44.62	54.00	-9.38	AVG
3	4861.920	51.12	6.12	57.24	74.00	-16.76	peak
4	4861.920	39.00	6.12	45.12	54.00	-8.88	AVG
5	5136.480	51.07	6.82	57.89	74.00	-16.11	peak
6	5136.480	38.69	6.82	45.51	54.00	-8.49	AVG
7	5150.000	48.33	6.86	55.19	74.00	-18.81	peak
8	5150.000	38.93	6.86	45.79	54.00	-8.21	AVG
9	5240.160	101.33	7.12	108.45	--	--	peak
10	5350.000	47.79	7.44	55.23	74.00	-18.77	peak
11	5350.000	37.21	7.44	44.65	54.00	-9.35	AVG
12	5422.560	50.98	7.66	58.64	74.00	-15.36	peak
13	5422.560	38.40	7.66	46.06	54.00	-7.94	AVG
14	5459.040	51.53	7.77	59.30	74.00	-14.70	peak
15	5459.040	38.84	7.77	46.61	54.00	-7.39	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



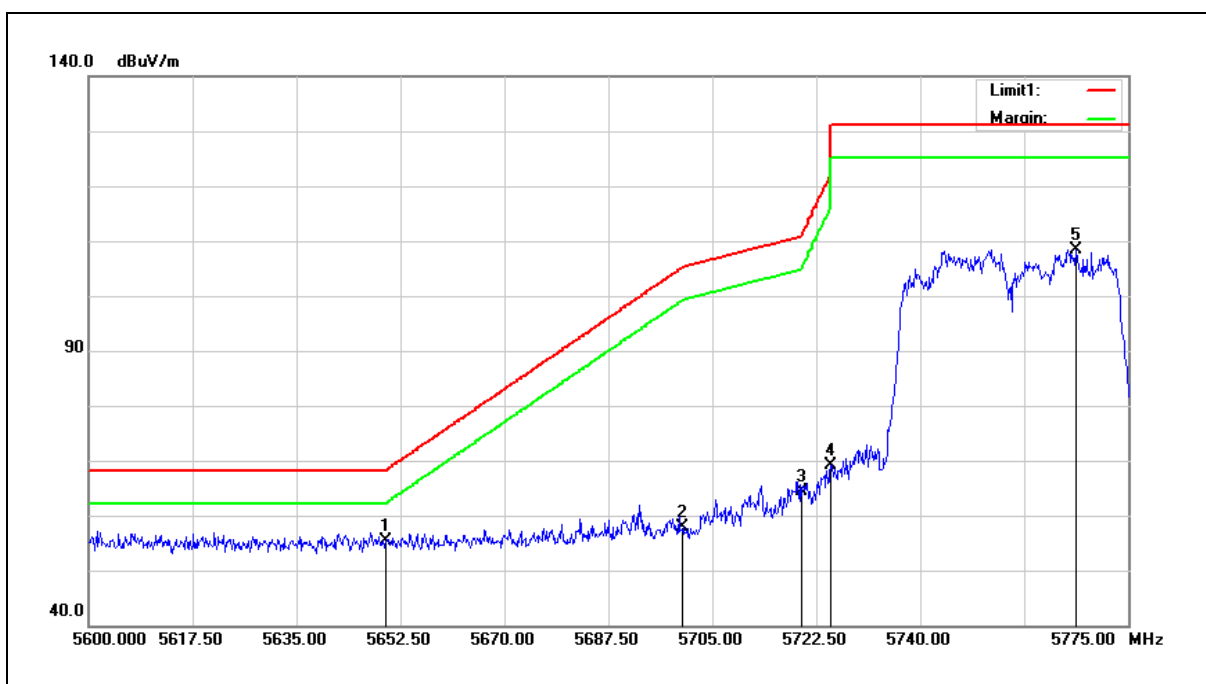
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.30	8.12	55.42	68.20	-12.78	peak
2	5700.000	52.30	8.19	60.49	105.20	-44.71	peak
3	5720.000	55.70	8.22	63.92	110.80	-46.88	peak
4	5725.000	60.51	8.23	68.74	122.20	-53.46	peak
5	5750.675	103.48	8.26	111.74	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



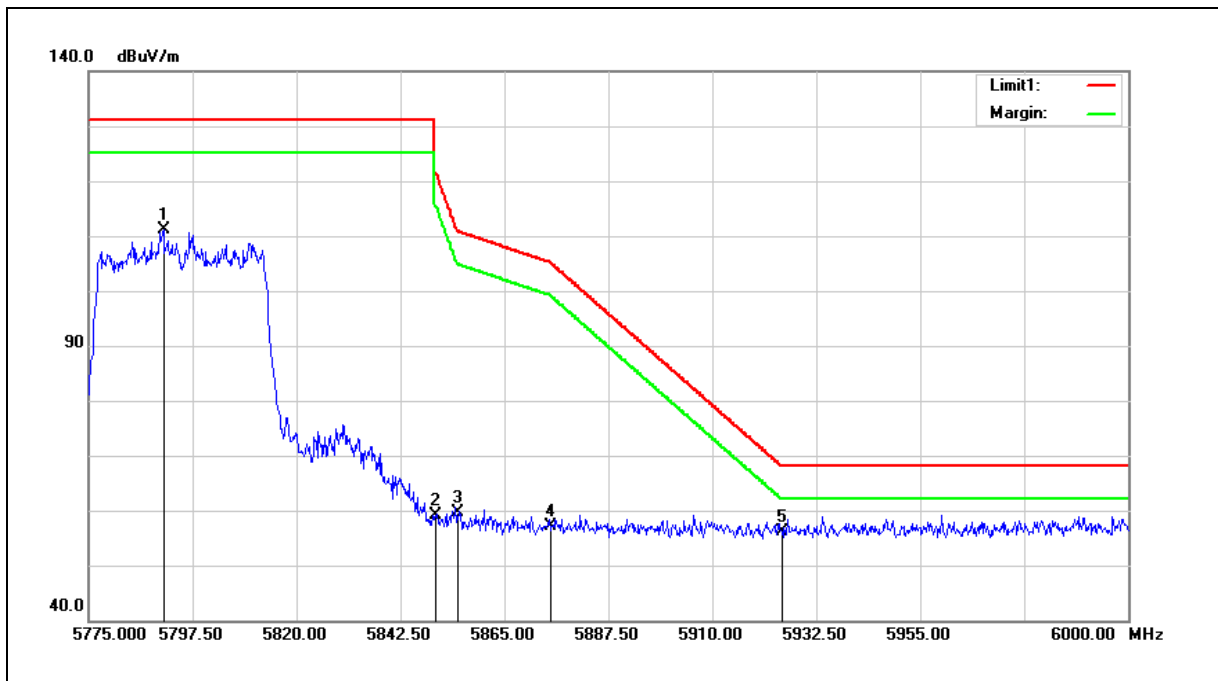
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.32	8.12	55.44	68.20	-12.76	peak
2	5700.000	49.70	8.19	57.89	105.20	-47.31	peak
3	5720.000	56.17	8.22	64.39	110.80	-46.41	peak
4	5725.000	60.96	8.23	69.19	122.20	-53.01	peak
5	5766.250	100.18	8.29	108.47	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5791.200	102.77	8.32	111.09	--	--	peak
2	5850.000	50.74	8.40	59.14	122.20	-63.06	peak
3	5855.000	51.13	8.41	59.54	110.80	-51.26	peak
4	5875.000	48.75	8.44	57.19	105.20	-48.01	peak
5	5925.000	47.50	8.52	56.02	68.20	-12.18	peak

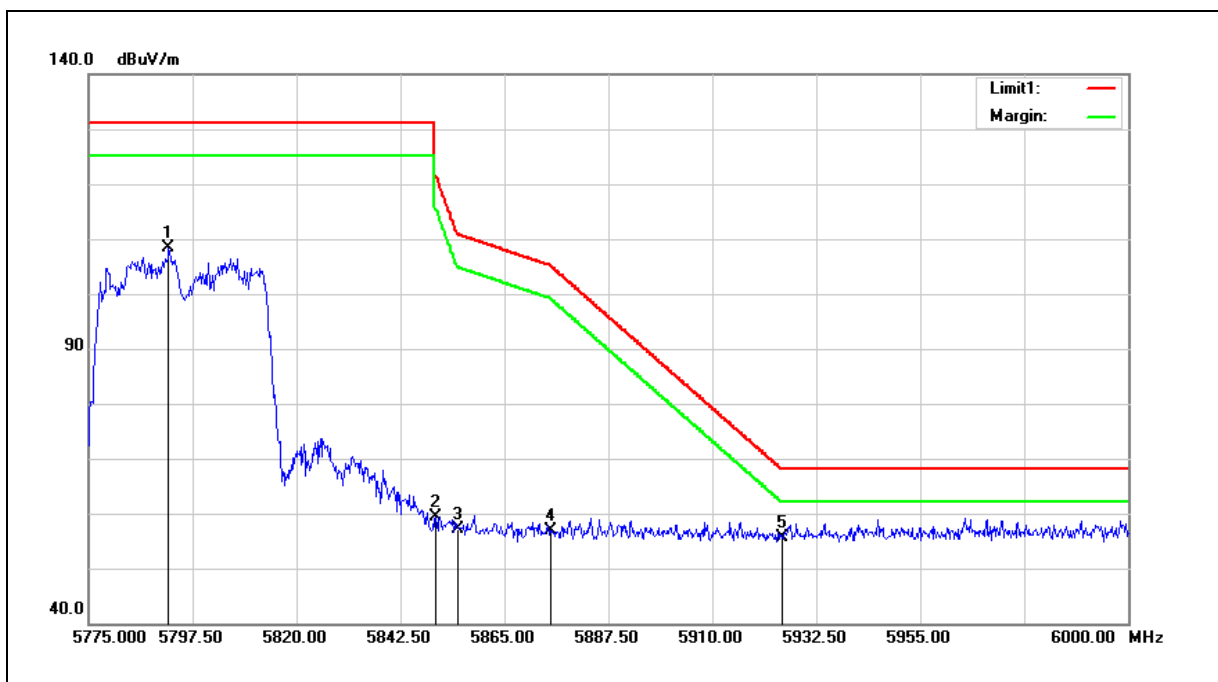
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5792.325	100.10	8.32	108.42	--	--	peak
2	5850.000	50.88	8.40	59.28	122.20	-62.92	peak
3	5855.000	48.73	8.41	57.14	110.80	-53.66	peak
4	5875.000	48.34	8.44	56.78	105.20	-48.42	peak
5	5925.000	47.10	8.52	55.62	68.20	-12.58	peak

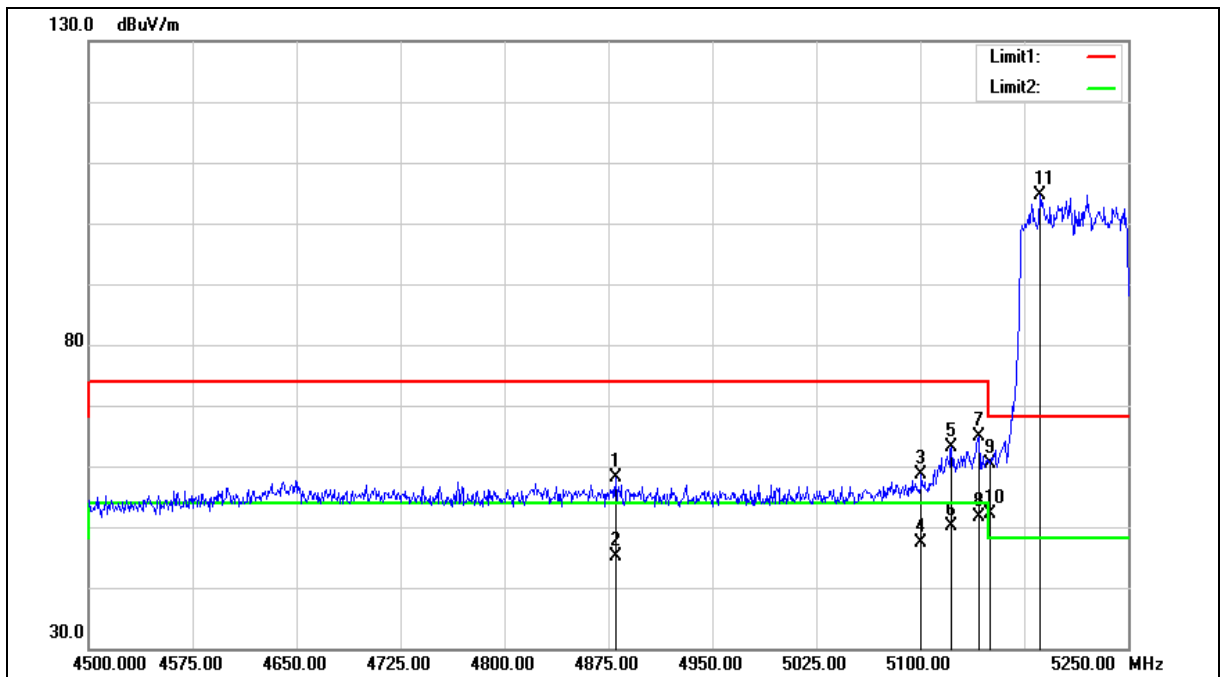
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.250	52.05	6.16	58.21	74.00	-15.79	peak
2	4880.250	38.96	6.16	45.12	54.00	-8.88	AVG
3	5100.750	51.98	6.70	58.68	74.00	-15.32	peak
4	5100.750	40.75	6.70	47.45	54.00	-6.55	AVG
5	5122.500	56.34	6.77	63.11	74.00	-10.89	peak
6	5122.500	43.47	6.77	50.24	54.00	-3.76	AVG
7	5142.750	58.05	6.83	64.88	74.00	-9.12	peak
8	5142.750	44.90	6.83	51.73	54.00	-2.27	AVG
9	5150.000	53.45	6.86	60.31	74.00	-13.69	peak
10	5150.000	45.15	6.86	52.01	54.00	-1.99	AVG
11	5186.250	97.76	6.97	104.73	--	--	peak

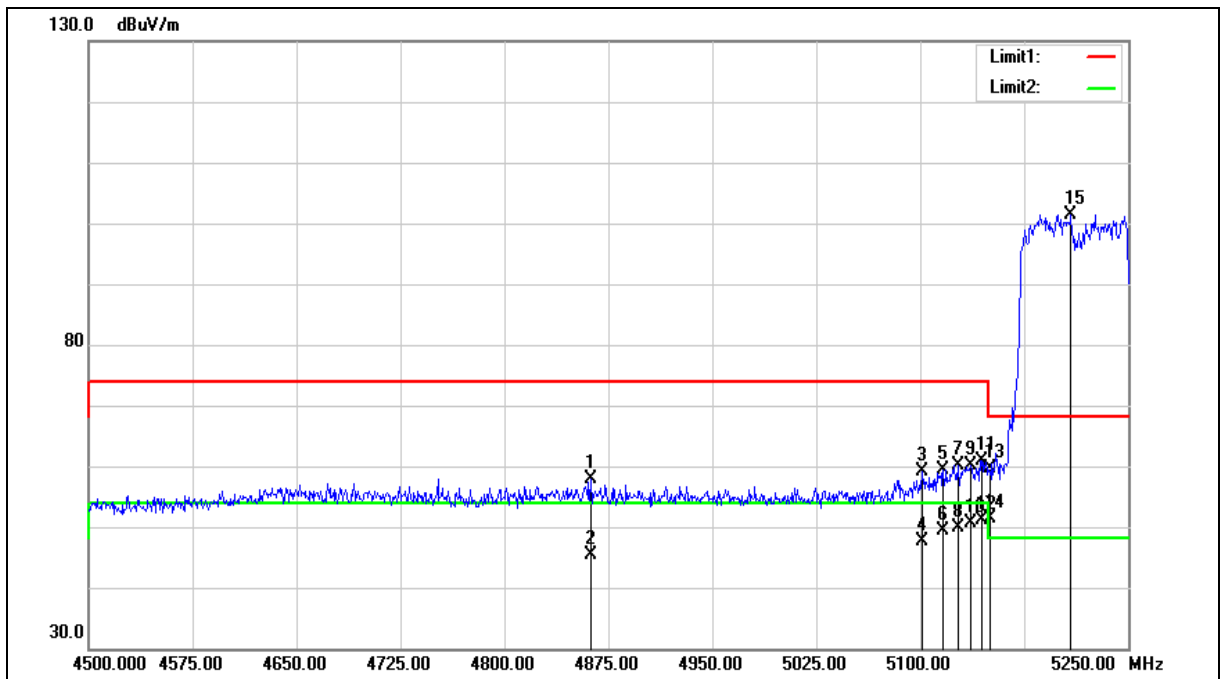
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4862.250	51.74	6.12	57.86	74.00	-16.14	peak
2	4862.250	39.28	6.12	45.40	54.00	-8.60	AVG
3	5101.500	52.33	6.70	59.03	74.00	-14.97	peak
4	5101.500	41.01	6.70	47.71	54.00	-6.29	AVG
5	5116.500	52.59	6.75	59.34	74.00	-14.66	peak
6	5116.500	42.63	6.75	49.38	54.00	-4.62	AVG
7	5127.000	53.33	6.79	60.12	74.00	-13.88	peak
8	5127.000	43.14	6.79	49.93	54.00	-4.07	AVG
9	5136.750	53.28	6.82	60.10	74.00	-13.90	peak
10	5136.750	43.82	6.82	50.64	54.00	-3.36	AVG
11	5144.250	54.13	6.84	60.97	74.00	-13.03	peak
12	5144.250	44.23	6.84	51.07	54.00	-2.93	AVG
13	5150.000	52.65	6.86	59.51	74.00	-14.49	peak
14	5150.000	44.59	6.86	51.45	54.00	-2.55	AVG
15	5208.750	94.46	7.03	101.49	--	--	peak

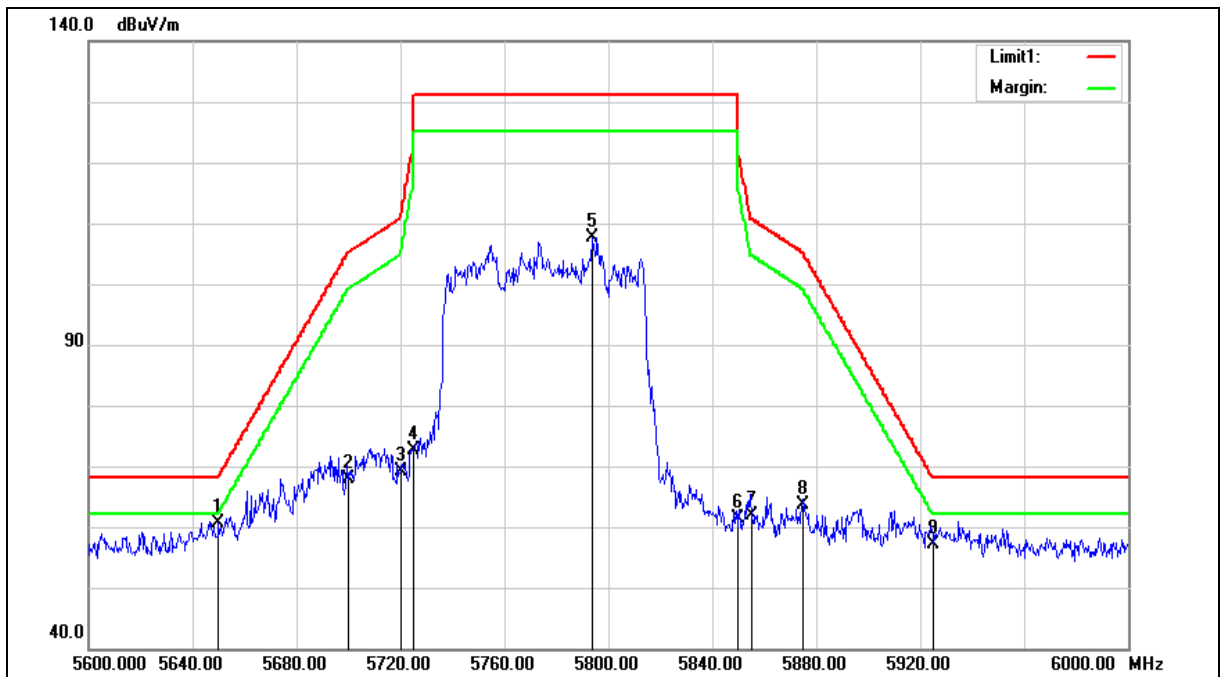
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	52.60	8.12	60.72	68.20	-7.48	peak
2	5700.000	59.57	8.19	67.76	105.20	-37.44	peak
3	5720.000	60.83	8.22	69.05	110.80	-41.75	peak
4	5725.000	64.31	8.23	72.54	122.20	-49.66	peak
5	5793.600	99.35	8.32	107.67	--	--	peak
6	5850.000	53.00	8.40	61.40	122.20	-60.80	peak
7	5855.000	53.38	8.41	61.79	110.80	-49.01	peak
8	5875.000	55.27	8.44	63.71	105.20	-41.49	peak
9	5925.000	48.63	8.52	57.15	68.20	-11.05	peak

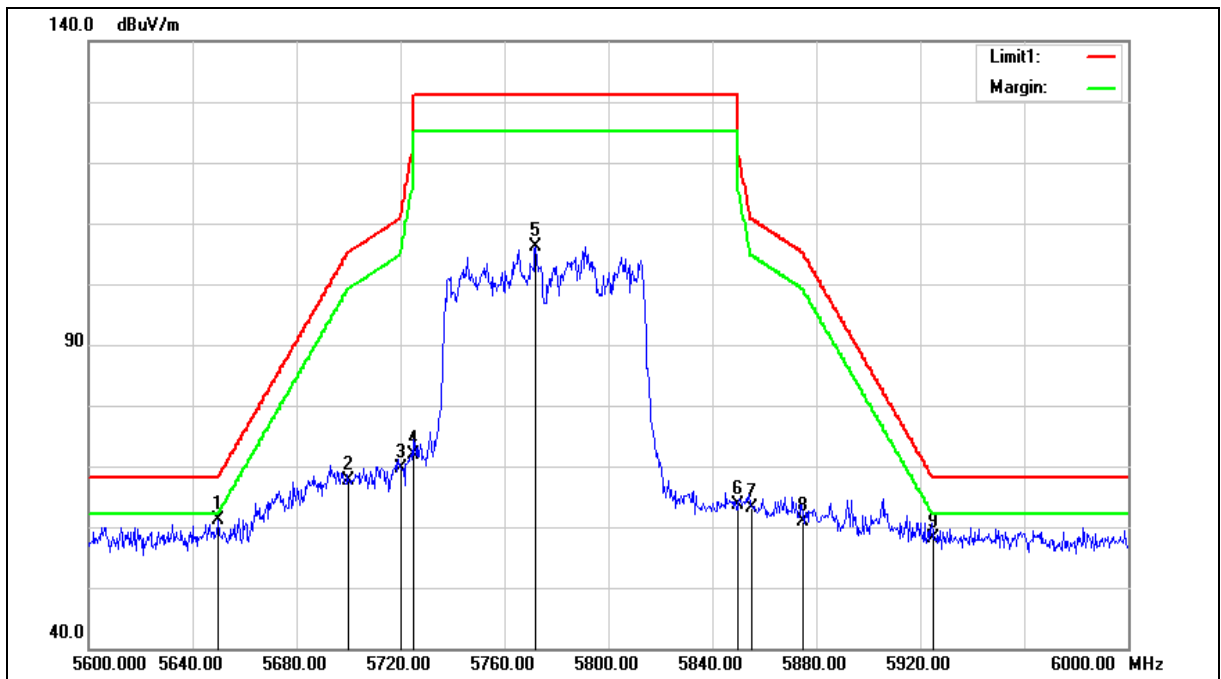
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	53.02	8.12	61.14	68.20	-7.06	peak
2	5700.000	59.48	8.19	67.67	105.20	-37.53	peak
3	5720.000	61.32	8.22	69.54	110.80	-41.26	peak
4	5725.000	63.57	8.23	71.80	122.20	-50.40	peak
5	5772.000	97.83	8.29	106.12	--	--	peak
6	5850.000	55.19	8.40	63.59	122.20	-58.61	peak
7	5855.000	54.84	8.41	63.25	110.80	-47.55	peak
8	5875.000	52.46	8.44	60.90	105.20	-44.30	peak
9	5925.000	49.61	8.52	58.13	68.20	-10.07	peak

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

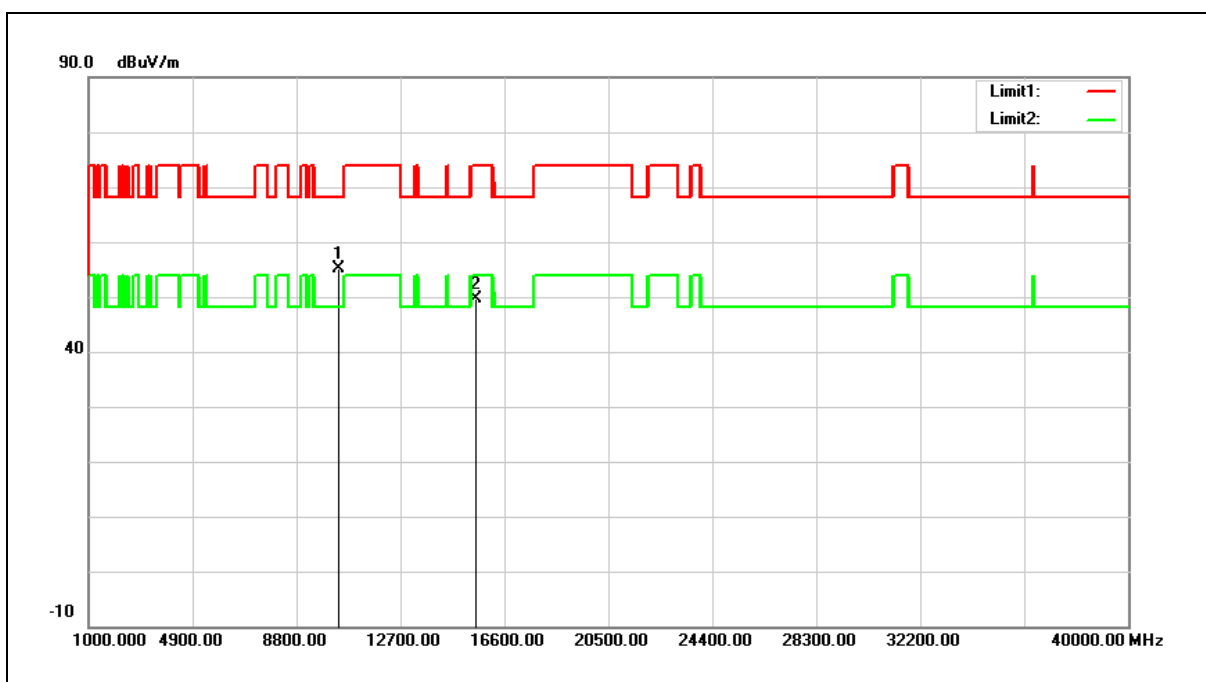
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Beamforming on

Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



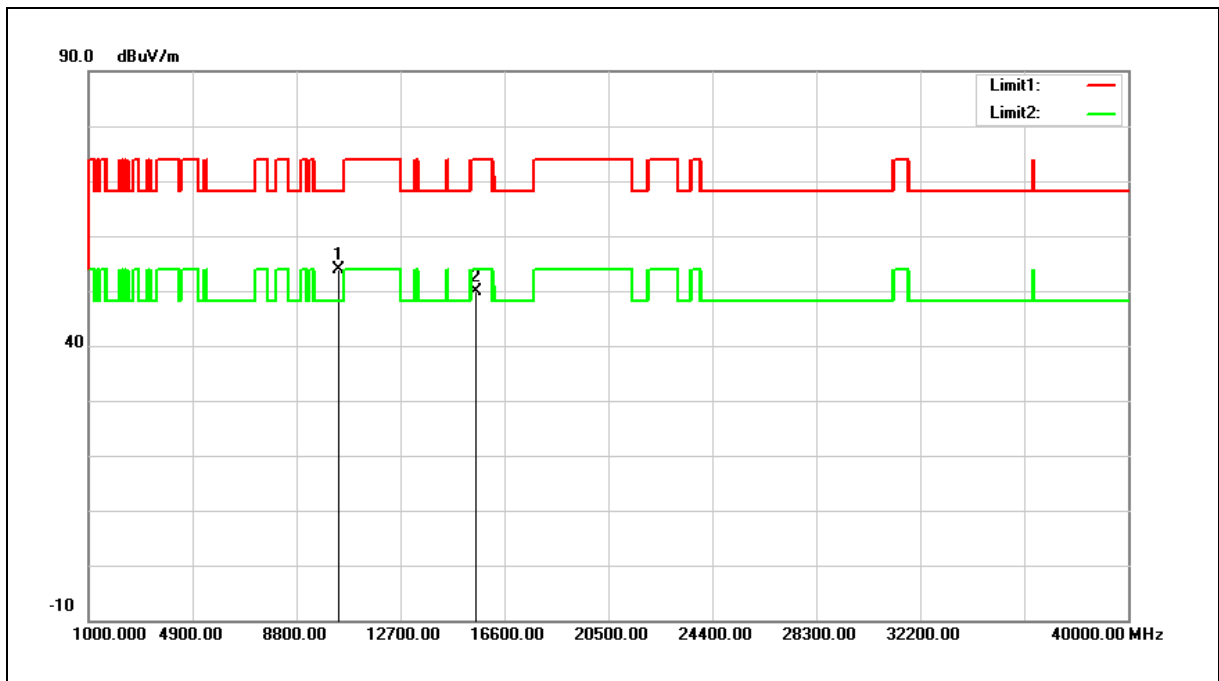
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	37.96	17.24	55.20	68.20	-13.00	peak
2	15540.000	28.84	20.75	49.59	74.00	-24.41	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 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	10360.000	36.69	17.24	53.93	68.20	-14.27	peak
2	15540.000	29.11	20.75	49.86	74.00	-24.14	peak

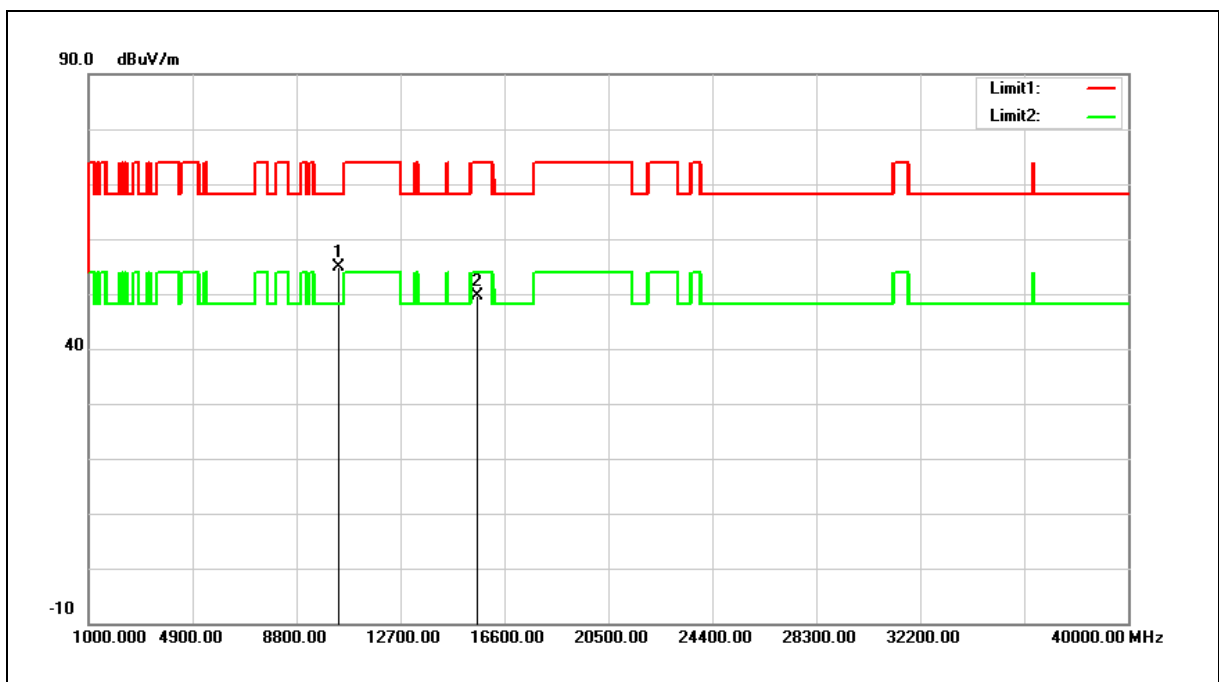
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 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	10400.000	37.58	17.36	54.94	68.20	-13.26	peak
2	15600.000	29.14	20.59	49.73	74.00	-24.27	peak

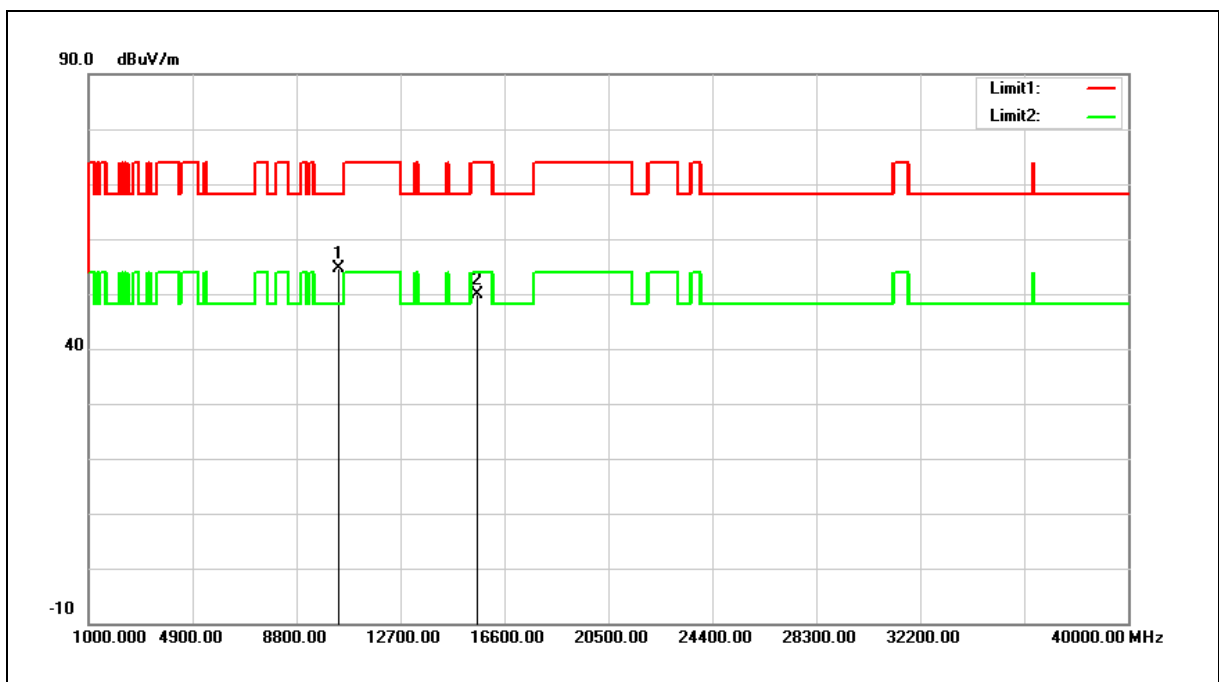
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 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	10400.000	37.35	17.36	54.71	68.20	-13.49	peak
2	15600.000	29.30	20.59	49.89	74.00	-24.11	peak

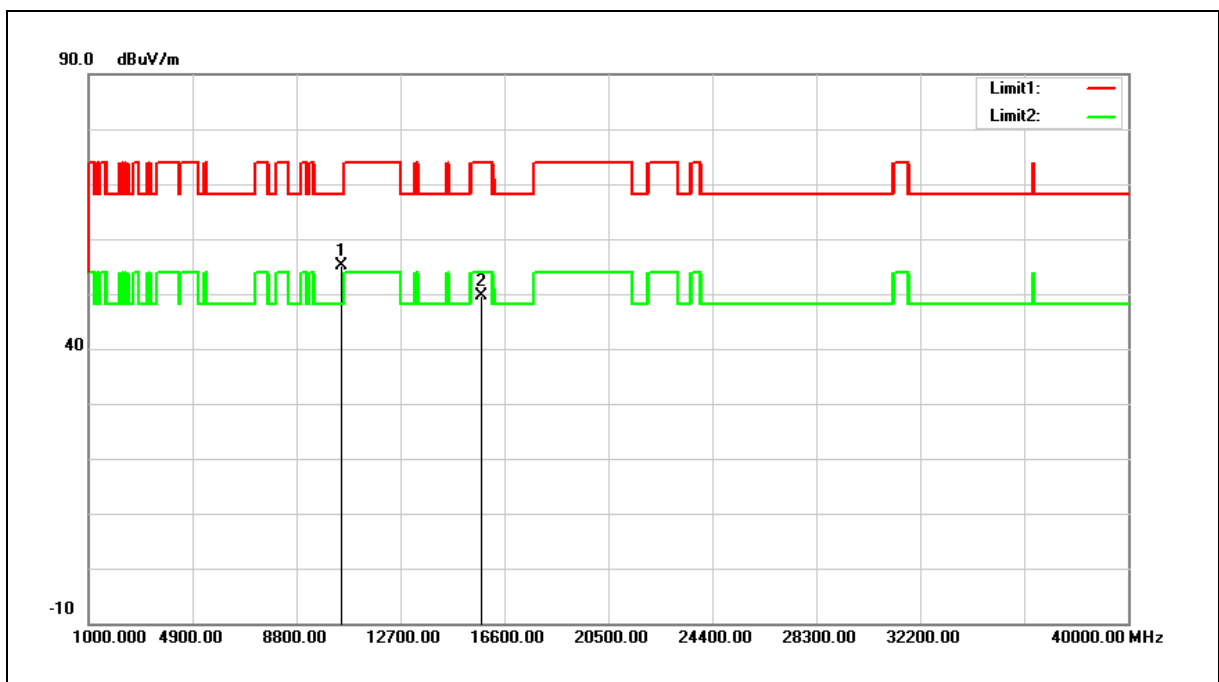
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



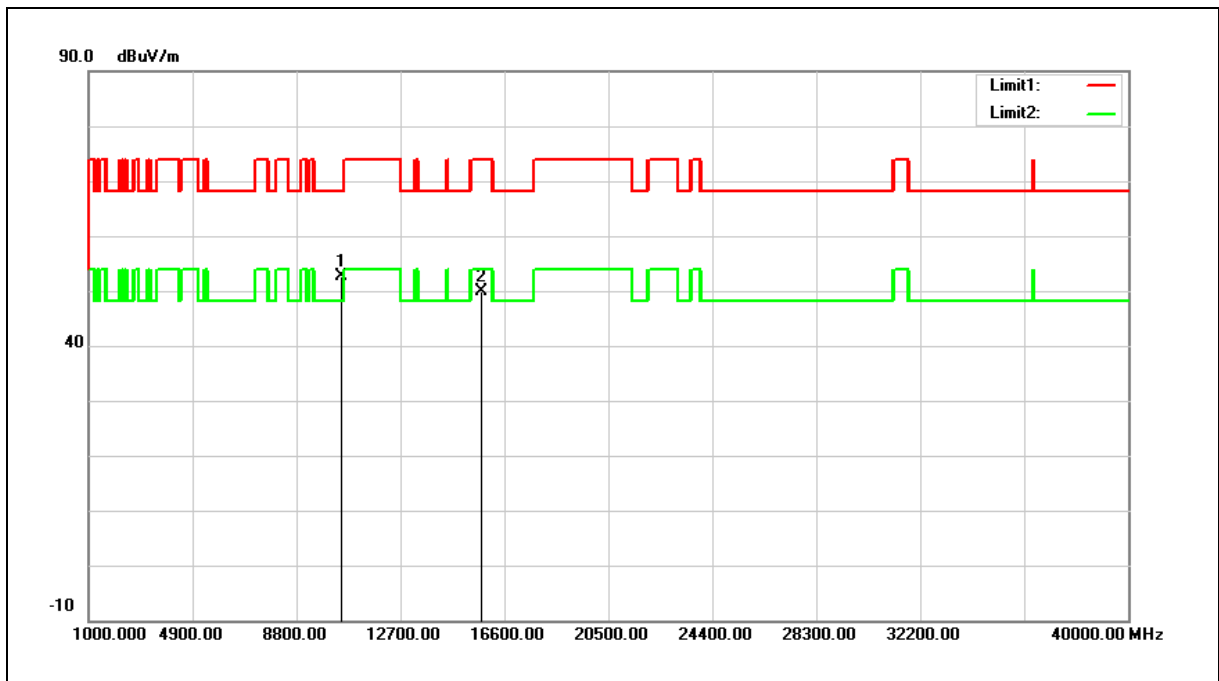
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	37.51	17.62	55.13	68.20	-13.07	peak
2	15720.000	29.22	20.29	49.51	74.00	-24.49	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



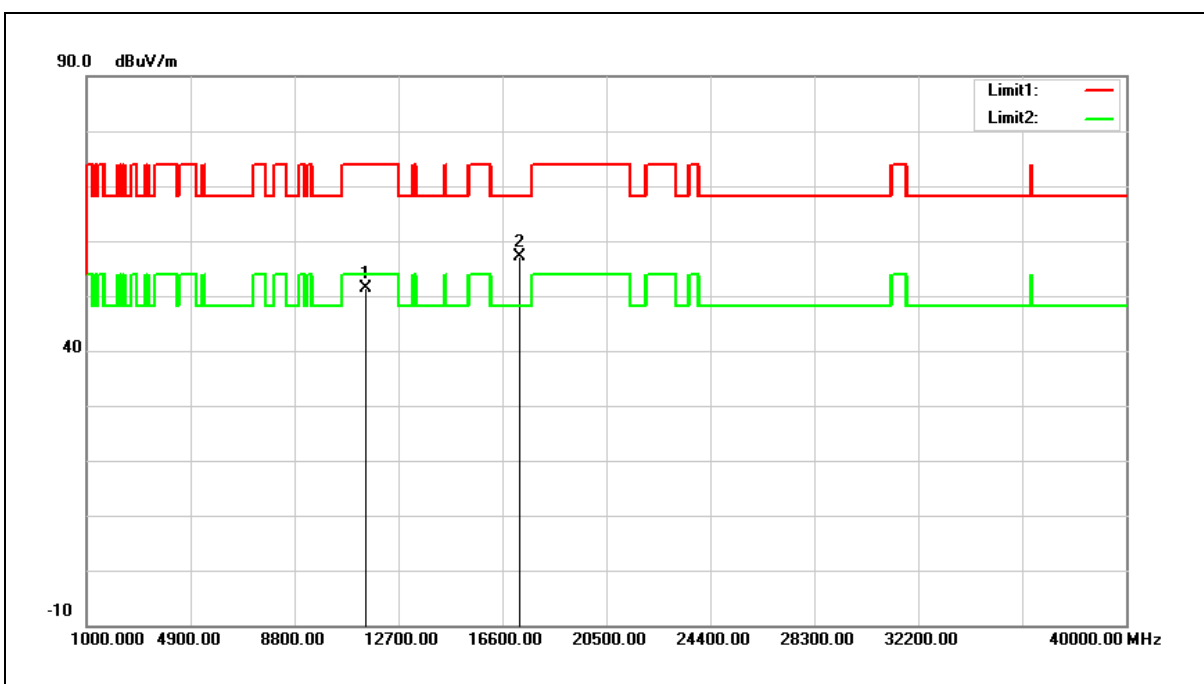
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.07	17.62	52.69	68.20	-15.51	peak
2	15720.000	29.61	20.29	49.90	74.00	-24.10	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



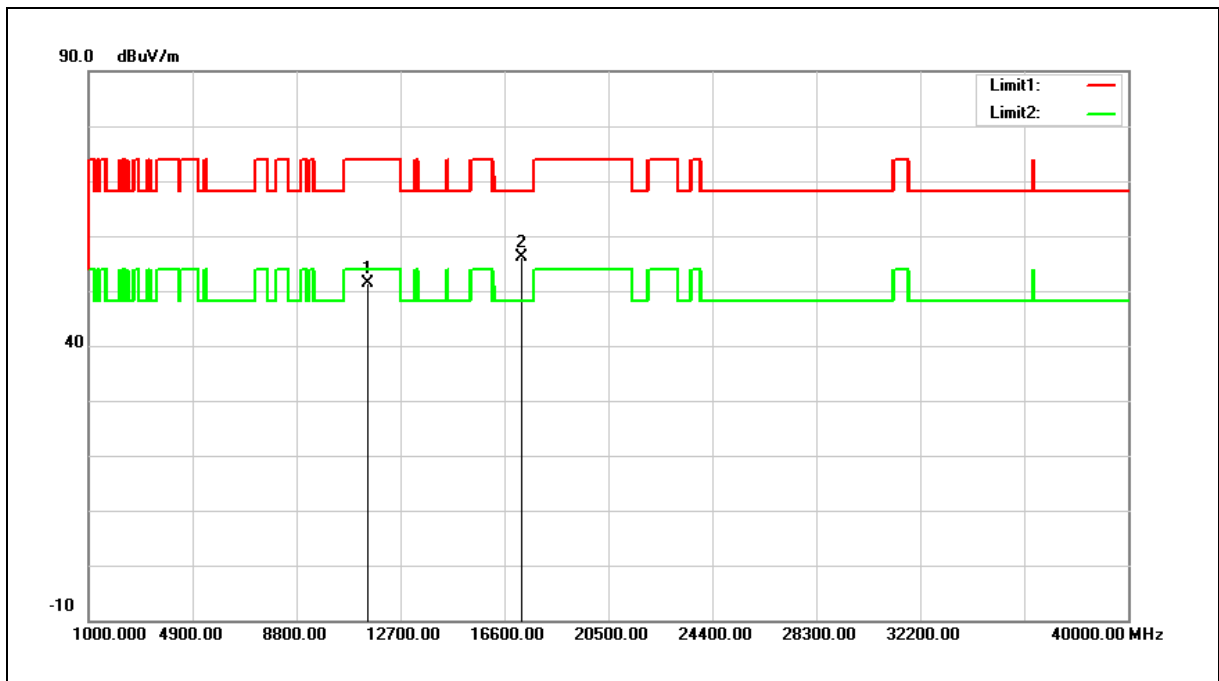
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.38	19.07	51.45	74.00	-22.55	peak
2	17235.000	32.30	24.88	57.18	68.20	-11.02	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



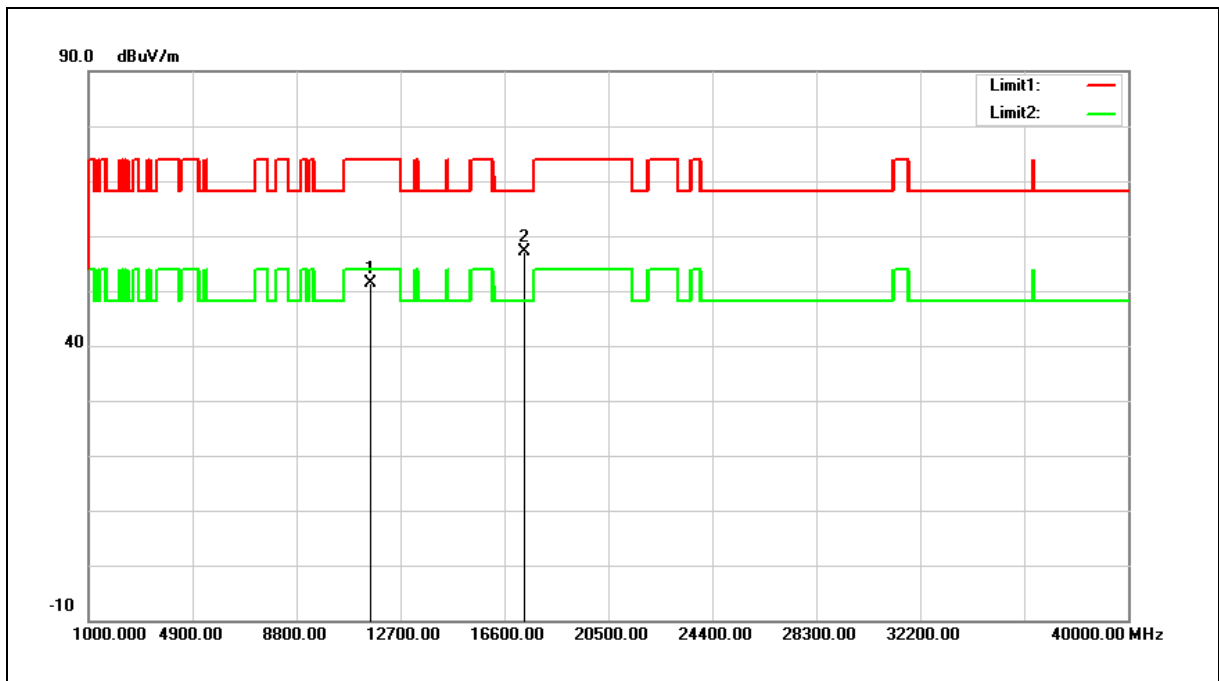
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.27	19.07	51.34	74.00	-22.66	peak
2	17235.000	31.33	24.88	56.21	68.20	-11.99	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



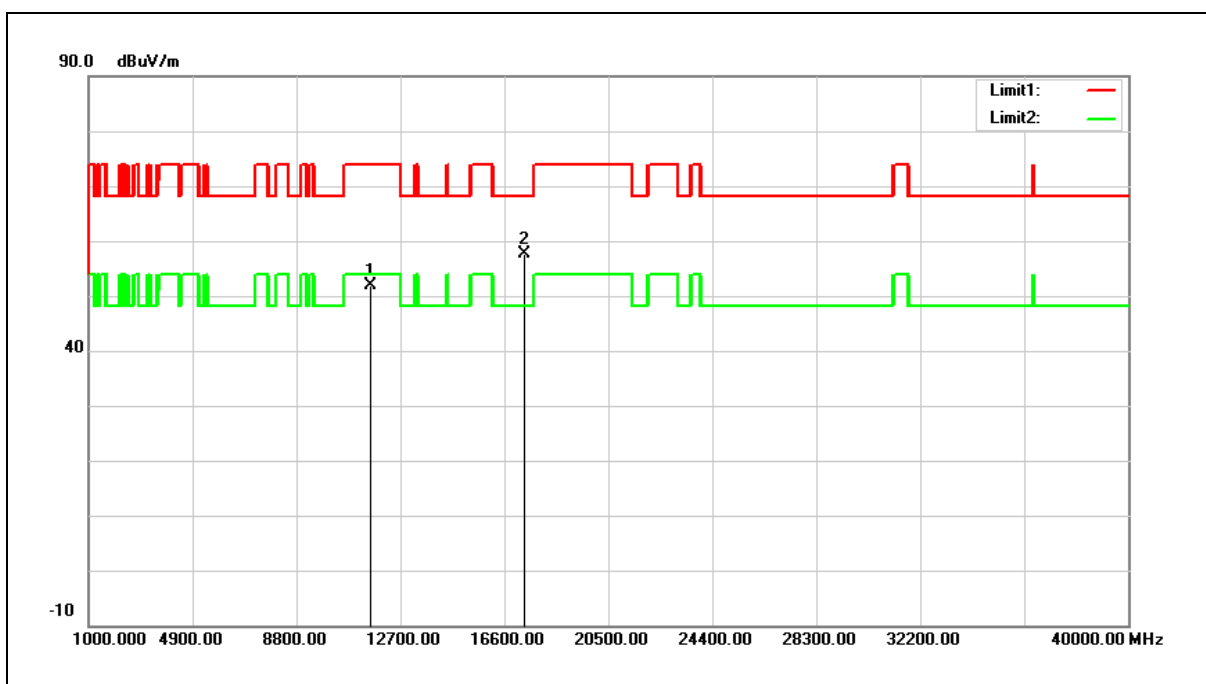
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.40	19.02	51.42	74.00	-22.58	peak
2	17355.000	31.94	25.29	57.23	68.20	-10.97	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 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	11570.000	32.94	19.02	51.96	74.00	-22.04	peak
2	17355.000	32.25	25.29	57.54	68.20	-10.66	peak

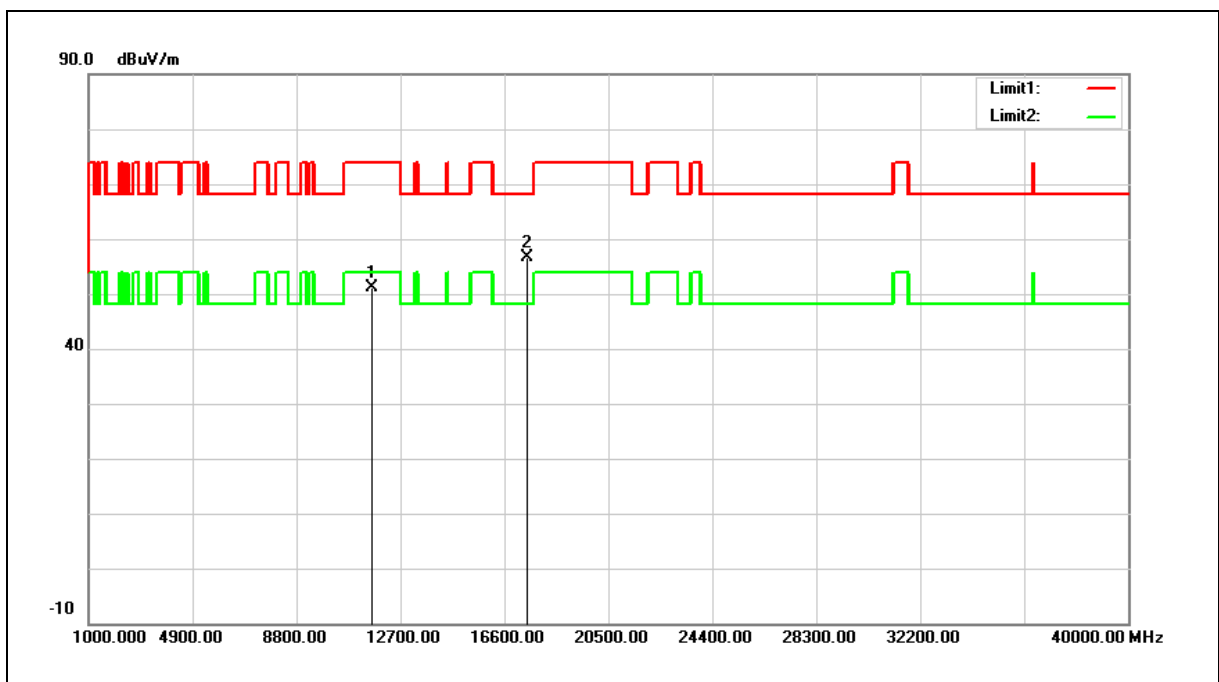
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



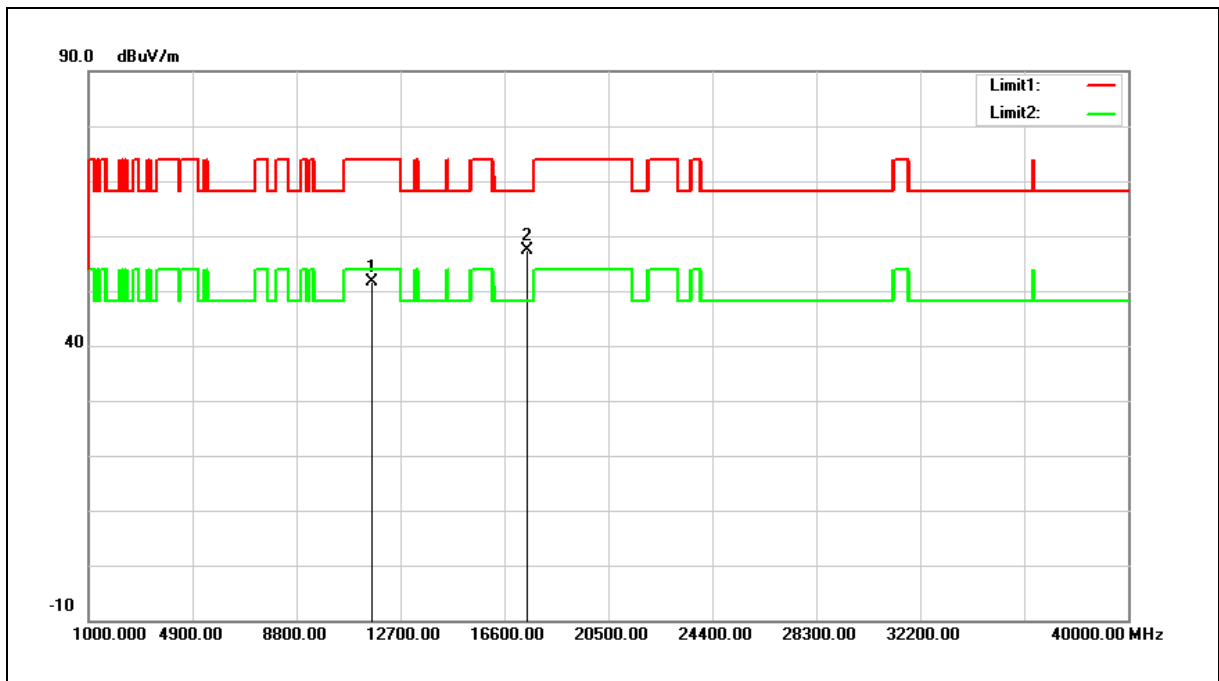
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.16	18.97	51.13	74.00	-22.87	peak
2	17475.000	30.84	25.68	56.52	68.20	-11.68	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



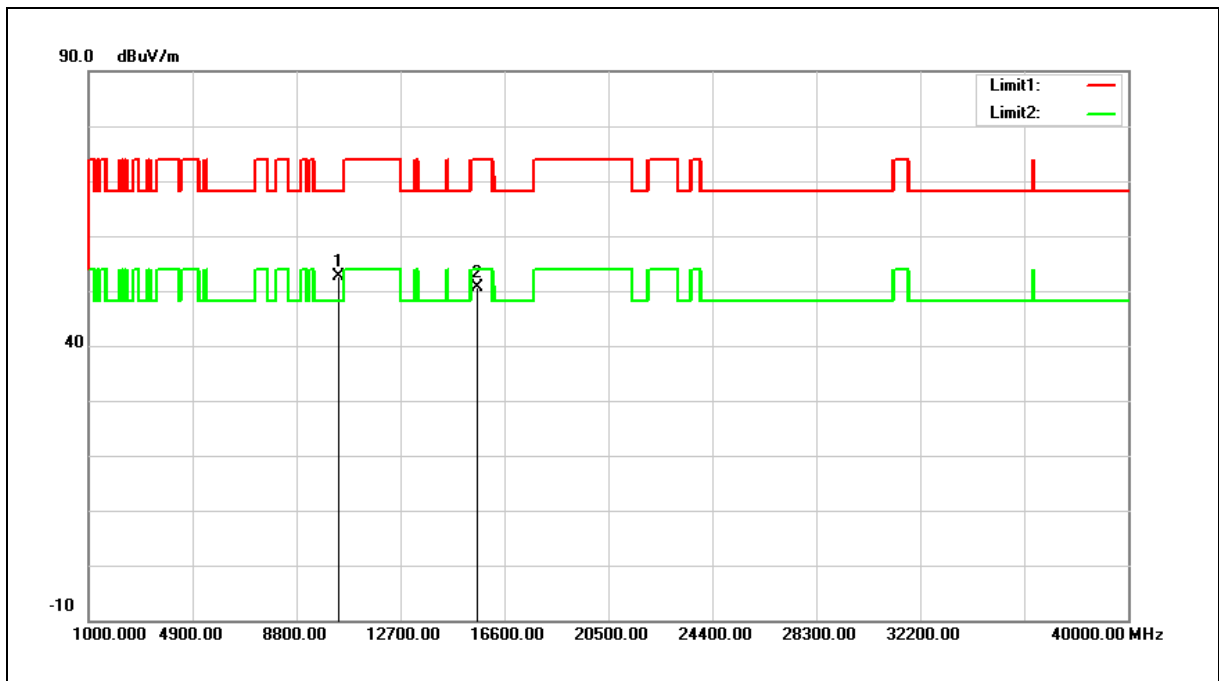
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.66	18.97	51.63	74.00	-22.37	peak
2	17475.000	31.77	25.68	57.45	68.20	-10.75	peak

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	35.21	17.30	52.51	68.20	-15.69	peak
2	15570.000	30.06	20.68	50.74	74.00	-23.26	peak

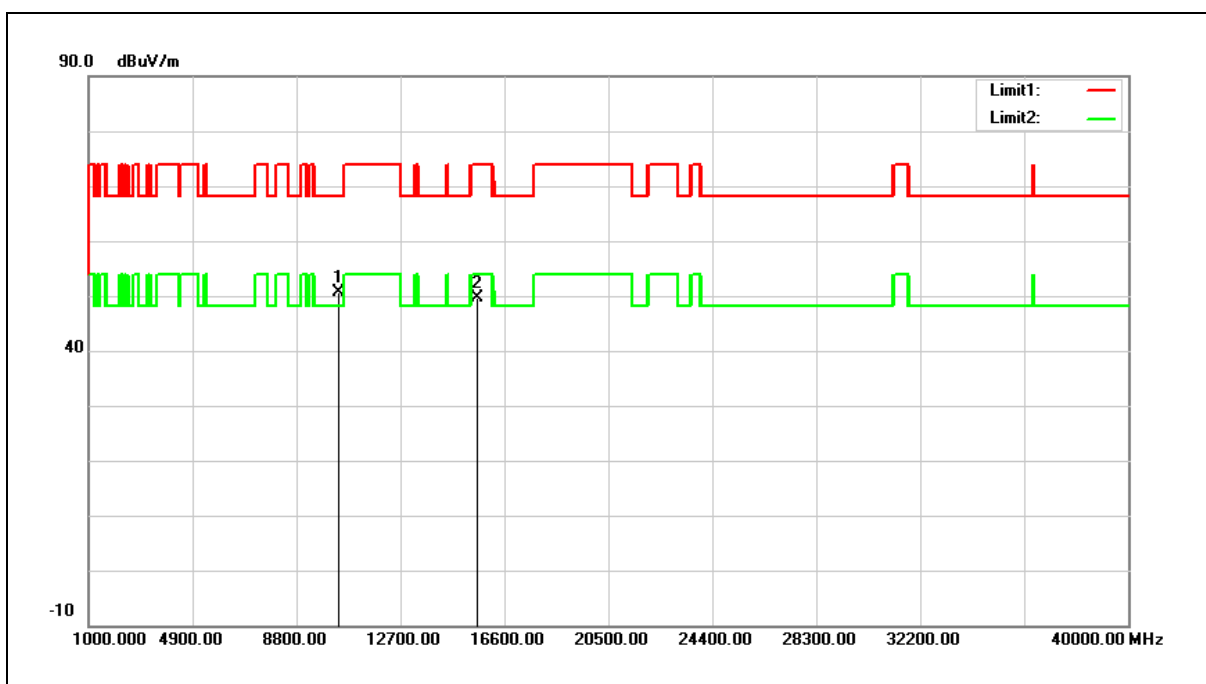
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	33.41	17.30	50.71	68.20	-17.49	peak
2	15570.000	28.93	20.68	49.61	74.00	-24.39	peak

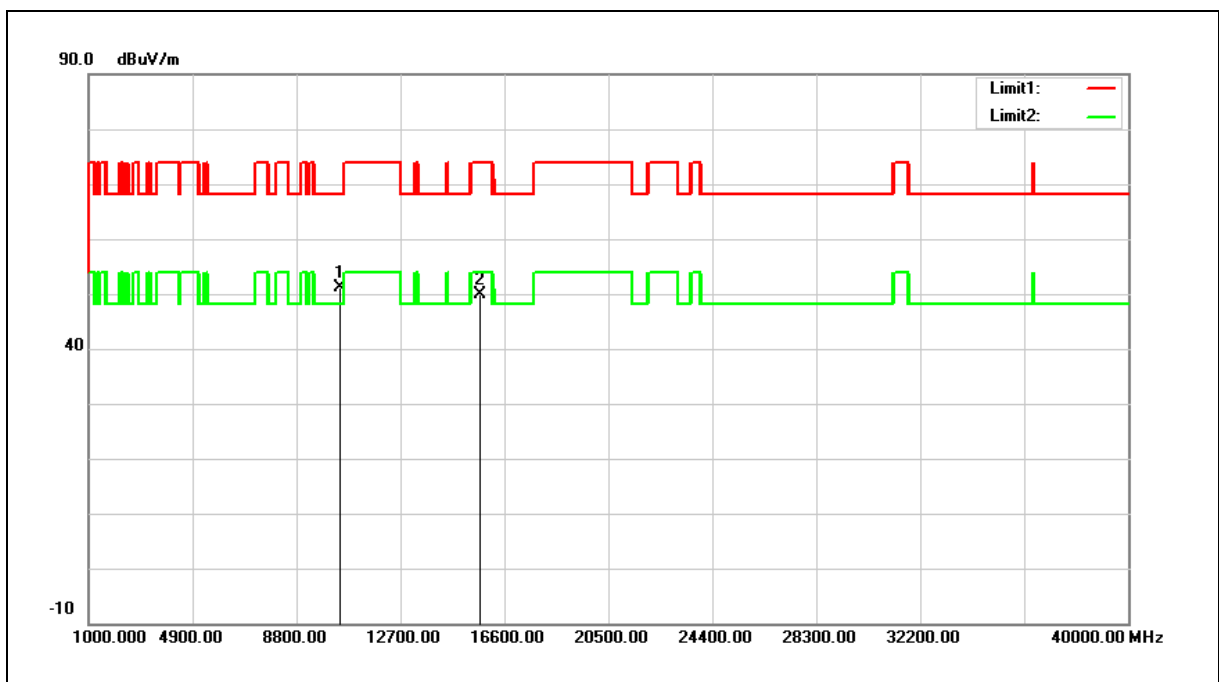
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	33.59	17.56	51.15	68.20	-17.05	peak
2	15690.000	29.43	20.36	49.79	74.00	-24.21	peak

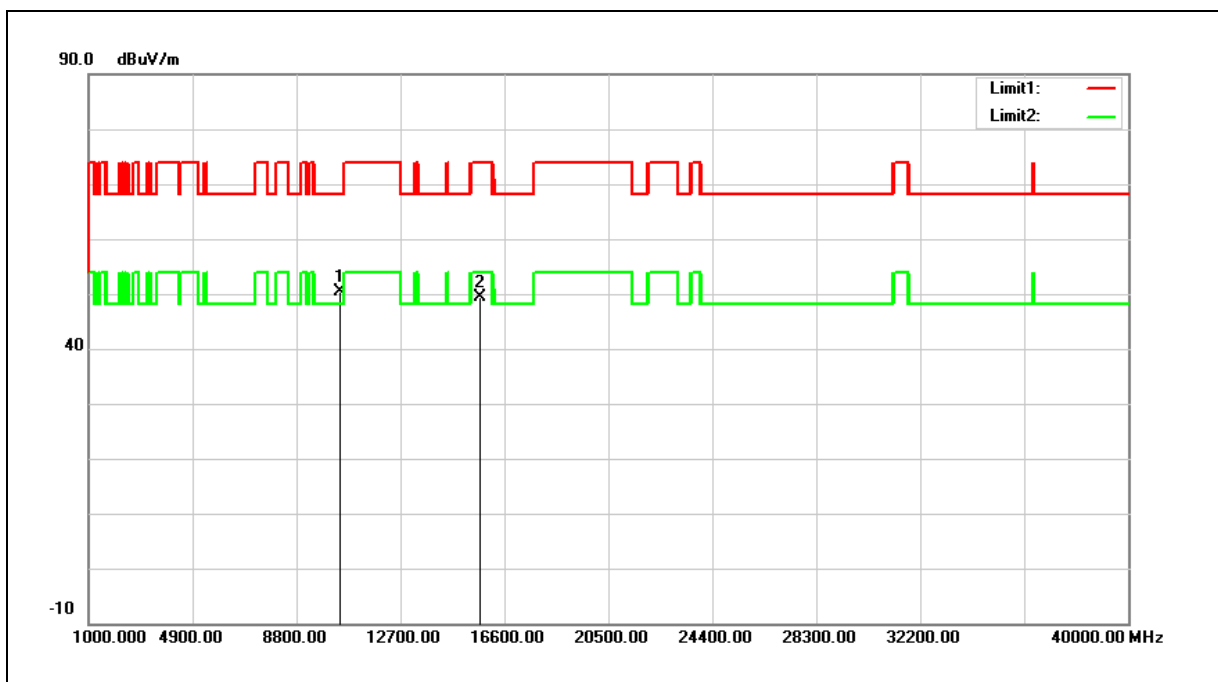
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.90	17.56	50.46	68.20	-17.74	peak
2	15690.000	29.05	20.36	49.41	74.00	-24.59	peak

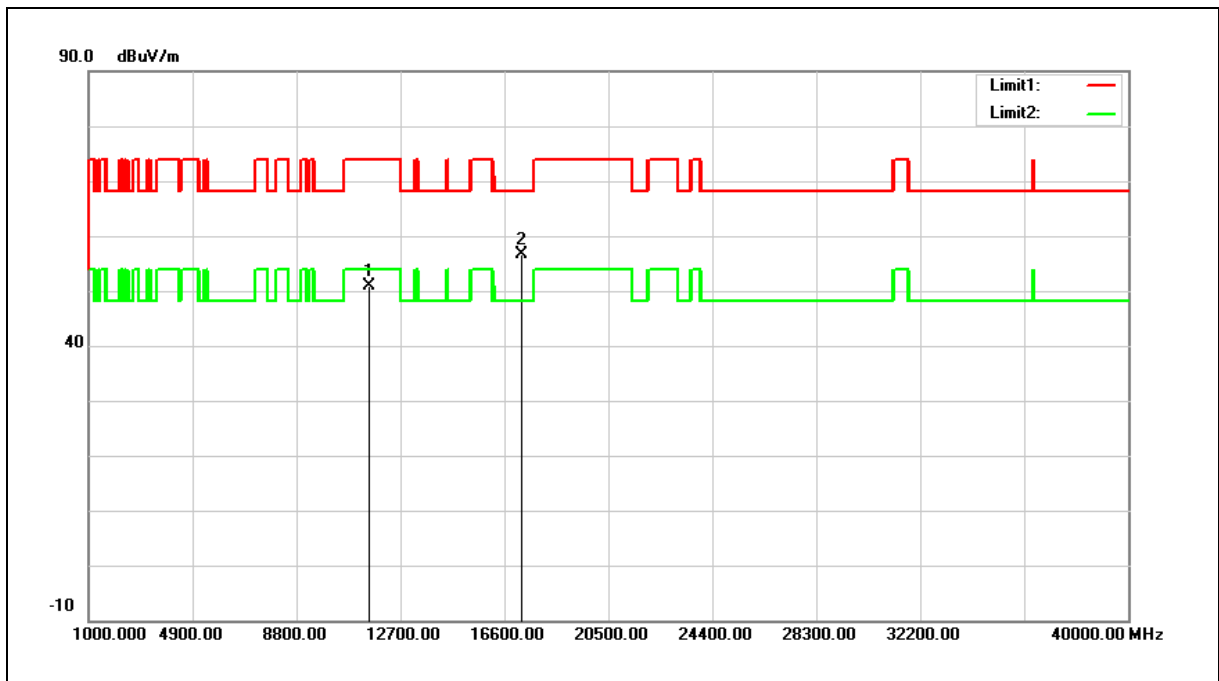
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



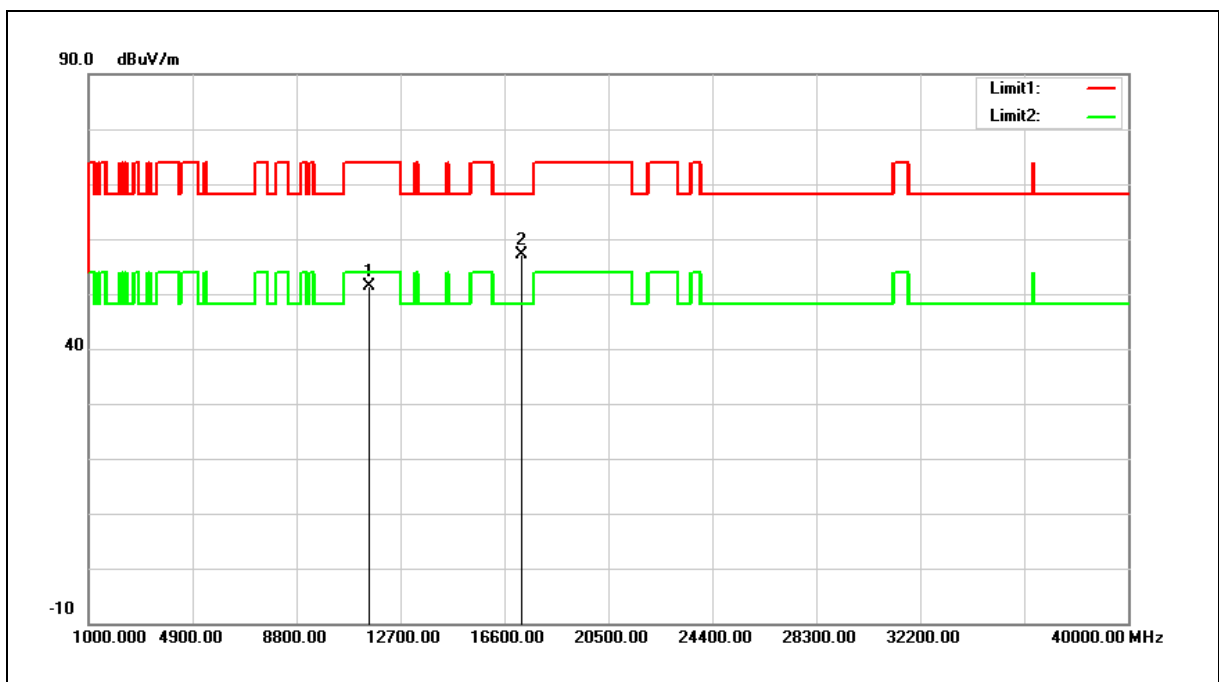
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	31.76	19.07	50.83	74.00	-23.17	peak
2	17265.000	31.75	24.98	56.73	68.20	-11.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.19	19.07	51.26	74.00	-22.74	peak
2	17265.000	32.12	24.98	57.10	68.20	-11.10	peak

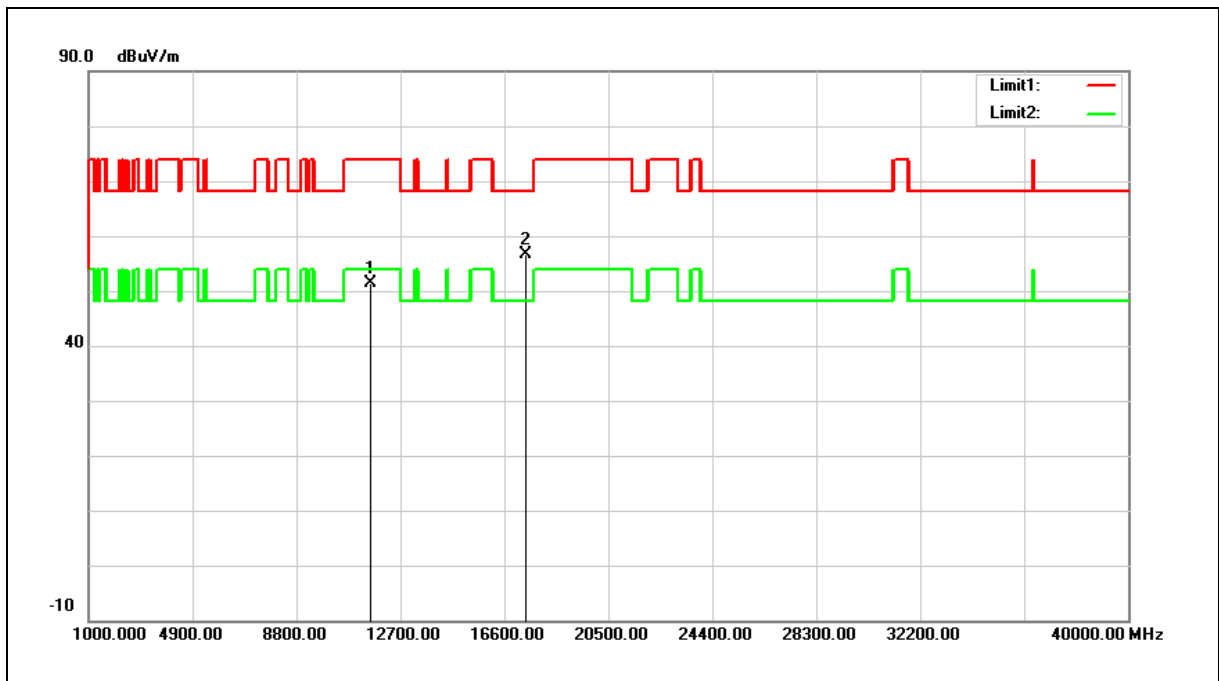
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



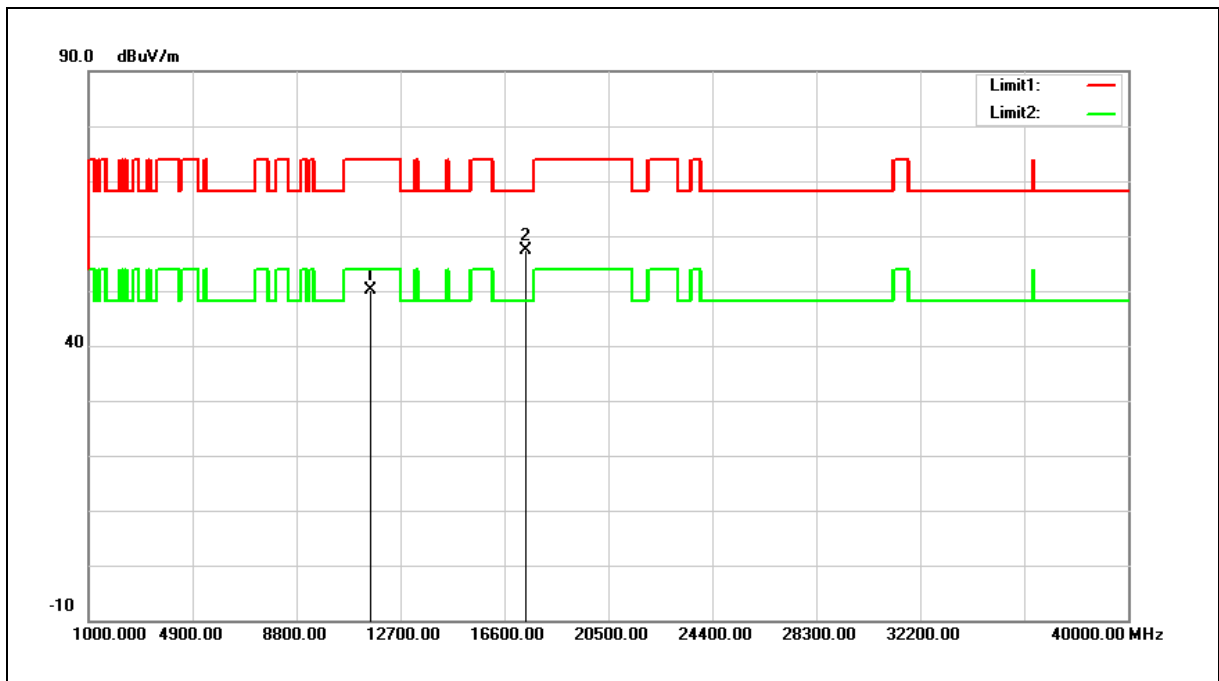
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	32.26	19.01	51.27	74.00	-22.73	peak
2	17385.000	31.23	25.38	56.61	68.20	-11.59	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.09	19.01	50.10	74.00	-23.90	peak
2	17385.000	31.99	25.38	57.37	68.20	-10.83	peak

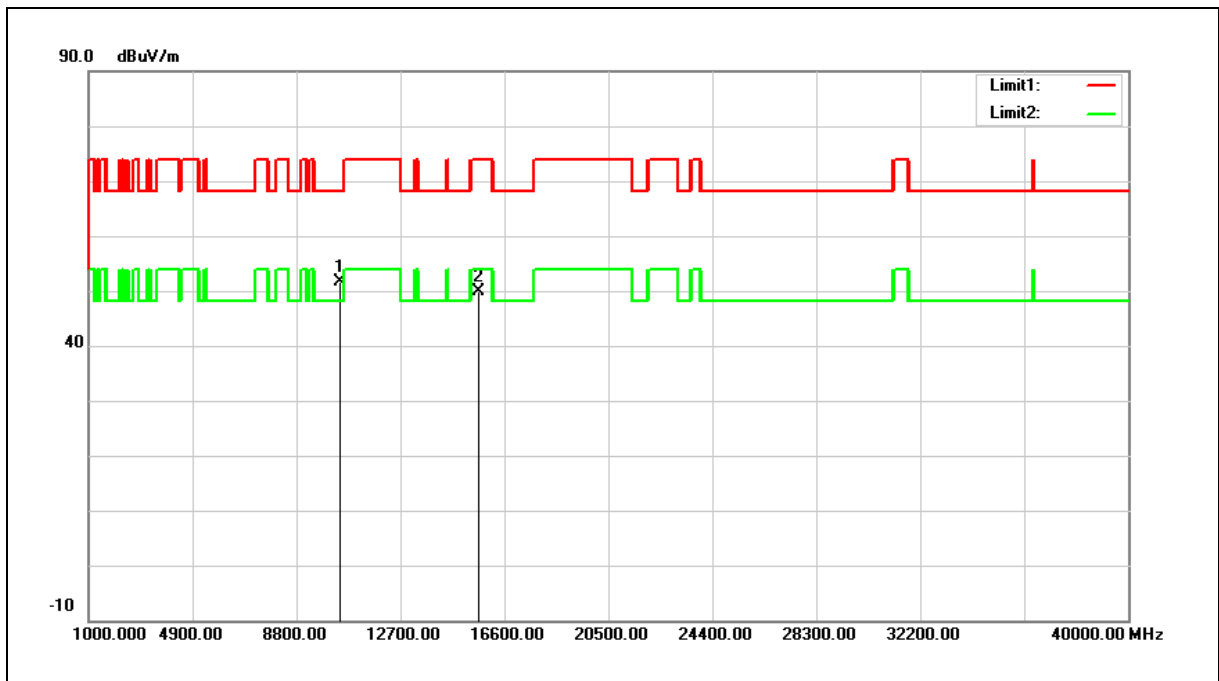
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	34.08	17.43	51.51	68.20	-16.69	peak
2	15630.000	29.32	20.52	49.84	74.00	-24.16	peak

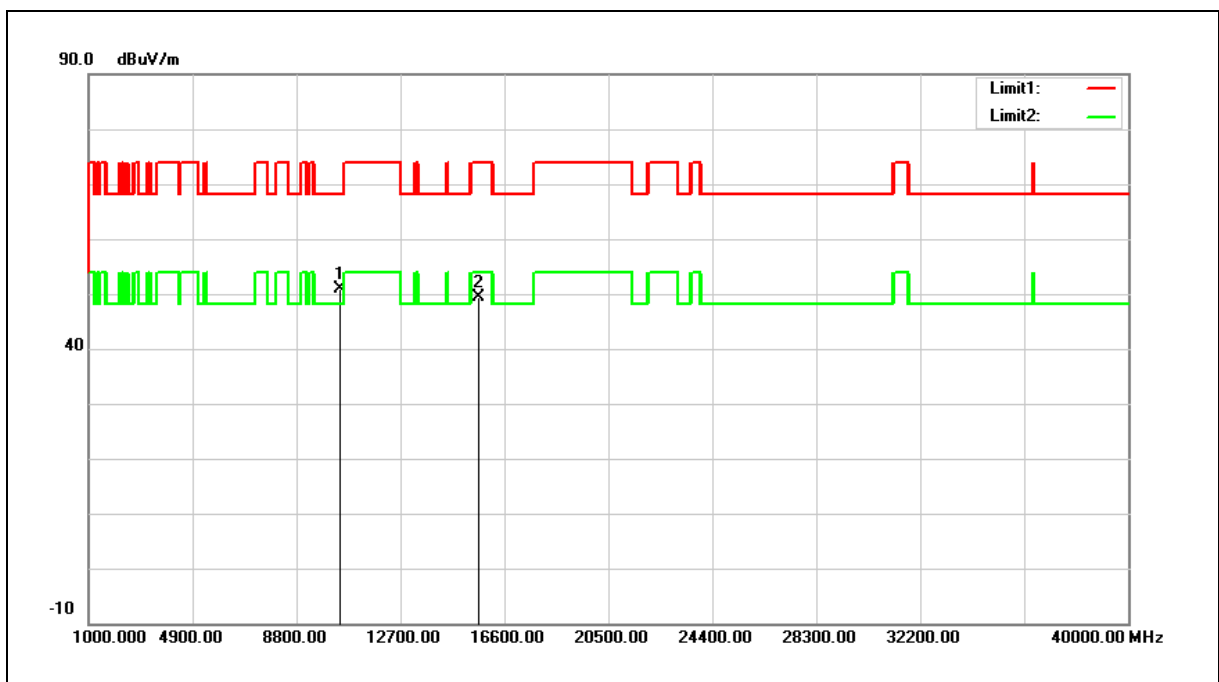
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	33.34	17.43	50.77	68.20	-17.43	peak
2	15630.000	28.82	20.52	49.34	74.00	-24.66	peak

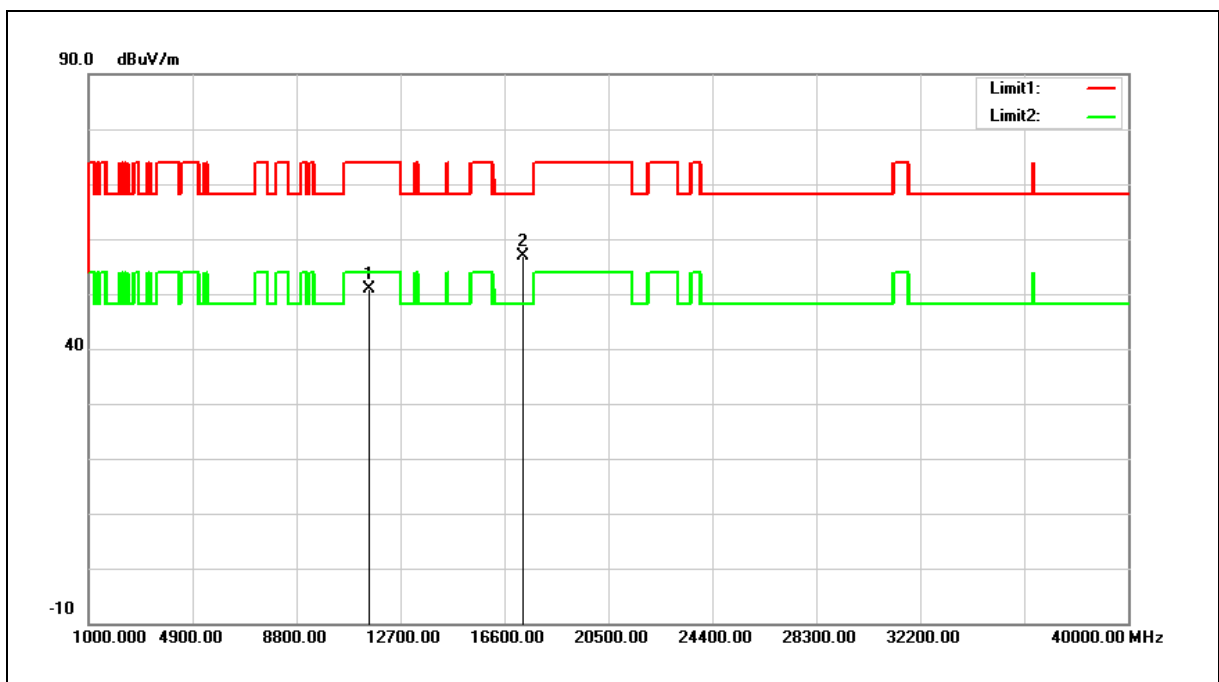
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.84	19.05	50.89	74.00	-23.11	peak
2	17325.000	31.58	25.18	56.76	68.20	-11.44	peak

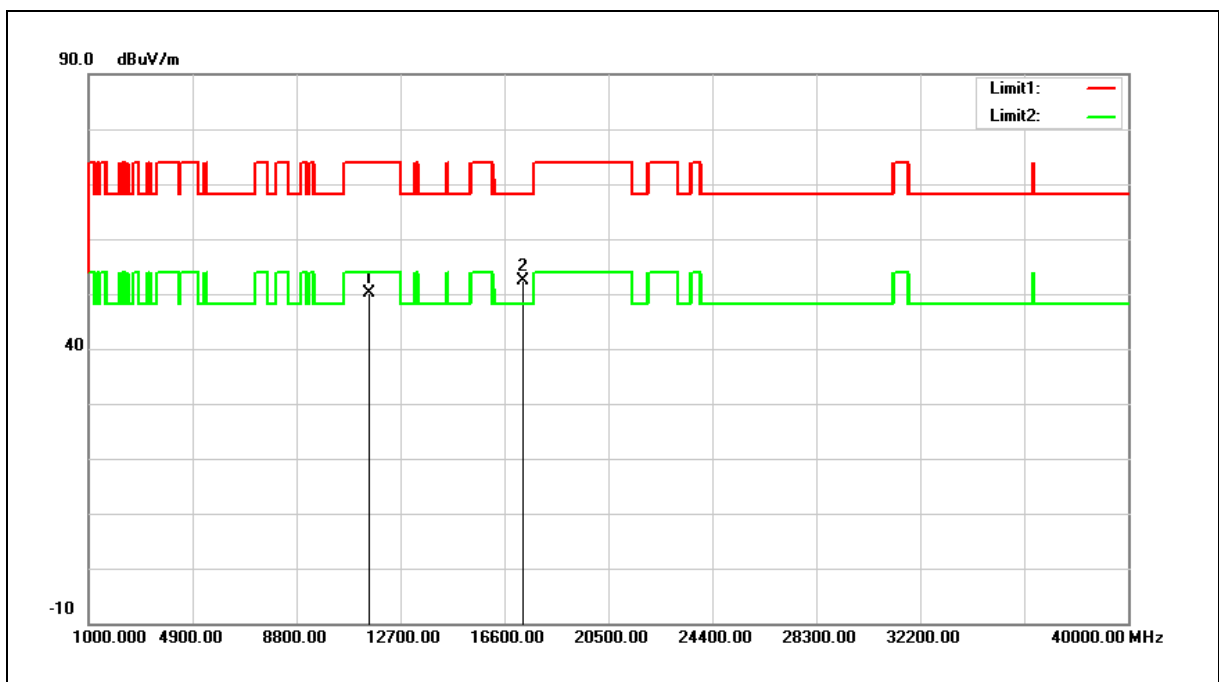
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



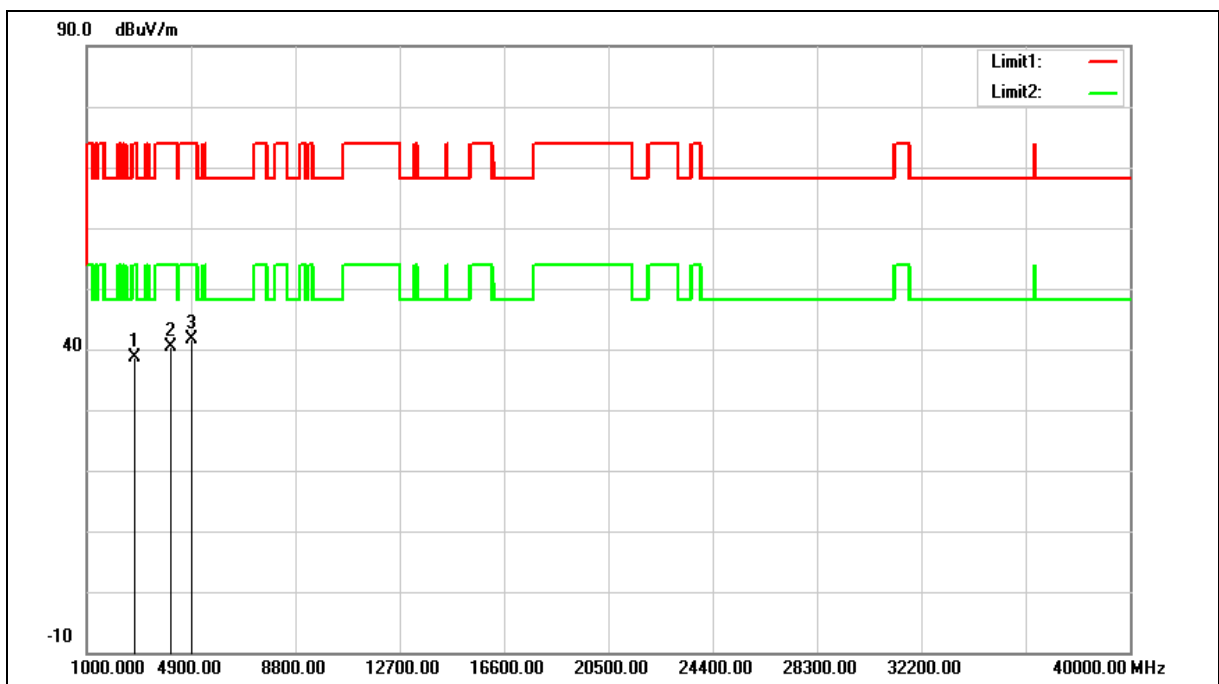
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	30.97	19.05	50.02	74.00	-23.98	peak
2	17325.000	27.10	25.18	52.28	68.20	-15.92	peak

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 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions	Power:	AC 120 V/60 Hz
Frequency:	Simultaneous Transmitting	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	(WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Horizontal		



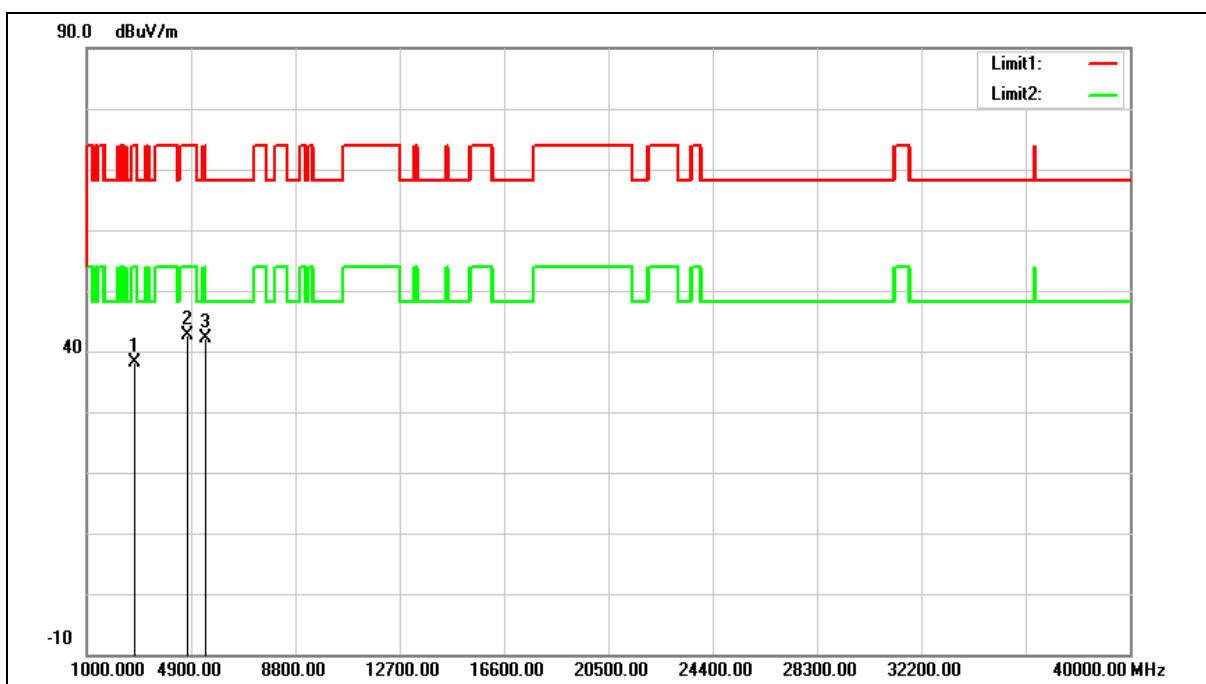
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	37.95	0.58	38.53	74.00	-35.47	peak
2	4145.000	35.93	4.38	40.31	74.00	-33.69	peak
3	4910.000	35.30	6.22	41.52	74.00	-32.48	peak

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 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions	Power:	AC 120 V/60 Hz
Frequency:	Simultaneous Transmitting	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	(WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	37.47	0.64	38.11	74.00	-35.89	peak
2	4757.000	36.75	5.90	42.65	74.00	-31.35	peak
3	5437.000	34.30	7.71	42.01	74.00	-31.99	peak

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

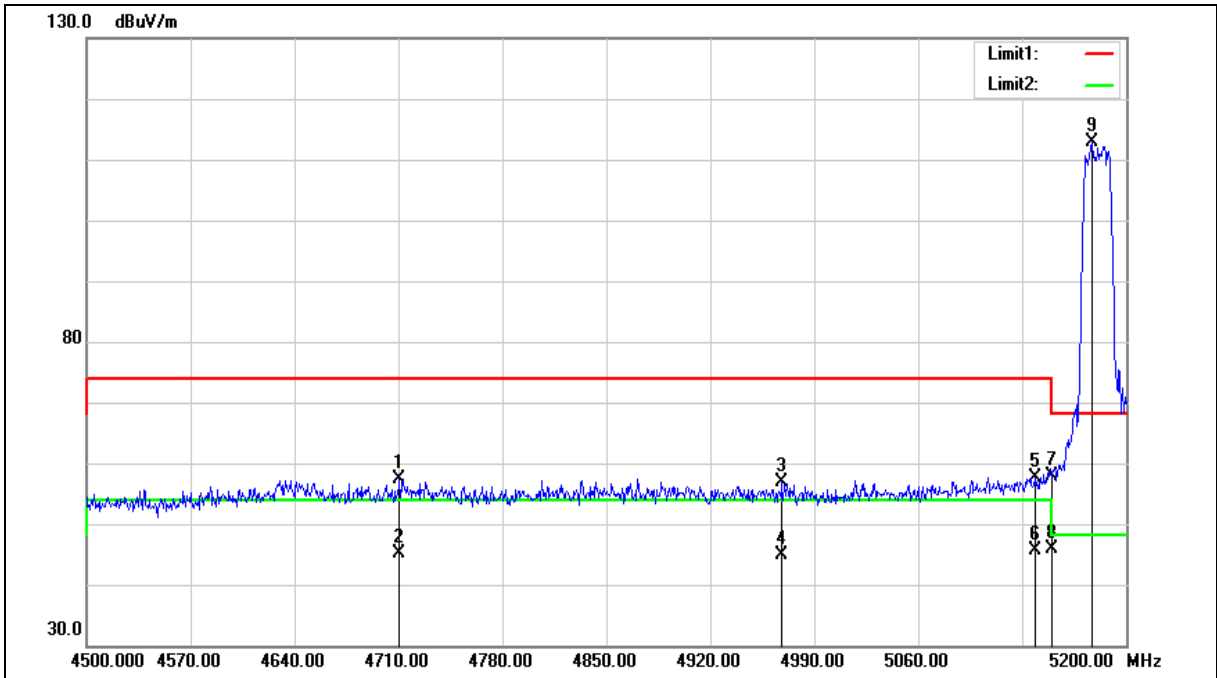
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4710.700	51.59	5.79	57.38	74.00	-16.62	peak
2	4710.700	39.31	5.79	45.10	54.00	-8.90	AVG
3	4968.300	50.57	6.34	56.91	74.00	-17.09	peak
4	4968.300	38.48	6.34	44.82	54.00	-9.18	AVG
5	5138.400	50.82	6.83	57.65	74.00	-16.35	peak
6	5138.400	38.87	6.83	45.70	54.00	-8.30	AVG
7	5150.000	51.05	6.86	57.91	74.00	-16.09	peak
8	5150.000	39.11	6.86	45.97	54.00	-8.03	AVG
9	5176.900	106.03	6.94	112.97	--	--	peak

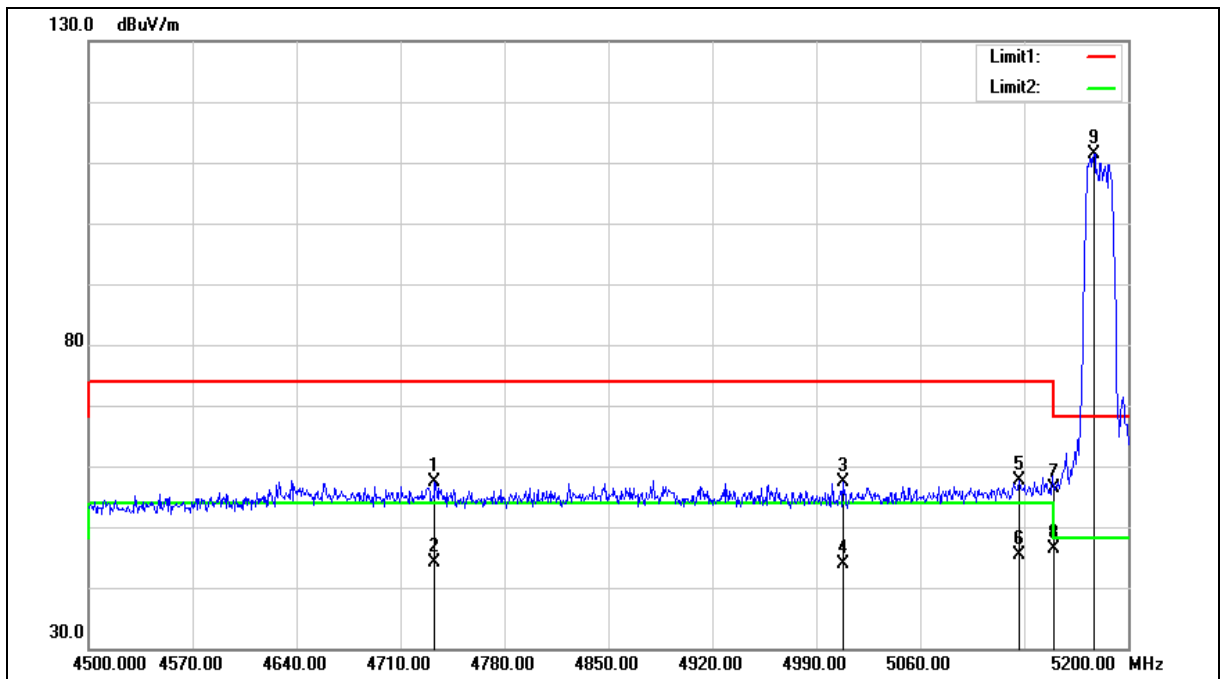
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 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	4733.100	51.42	5.84	57.26	74.00	-16.74	peak
2	4733.100	38.35	5.84	44.19	54.00	-9.81	AVG
3	5008.200	50.85	6.44	57.29	74.00	-16.71	peak
4	5008.200	37.54	6.44	43.98	54.00	-10.02	AVG
5	5126.500	50.72	6.79	57.51	74.00	-16.49	peak
6	5126.500	38.61	6.79	45.40	54.00	-8.60	AVG
7	5150.000	49.55	6.86	56.41	74.00	-17.59	peak
8	5150.000	39.46	6.86	46.32	54.00	-7.68	AVG
9	5176.900	104.54	6.94	111.48	--	--	peak

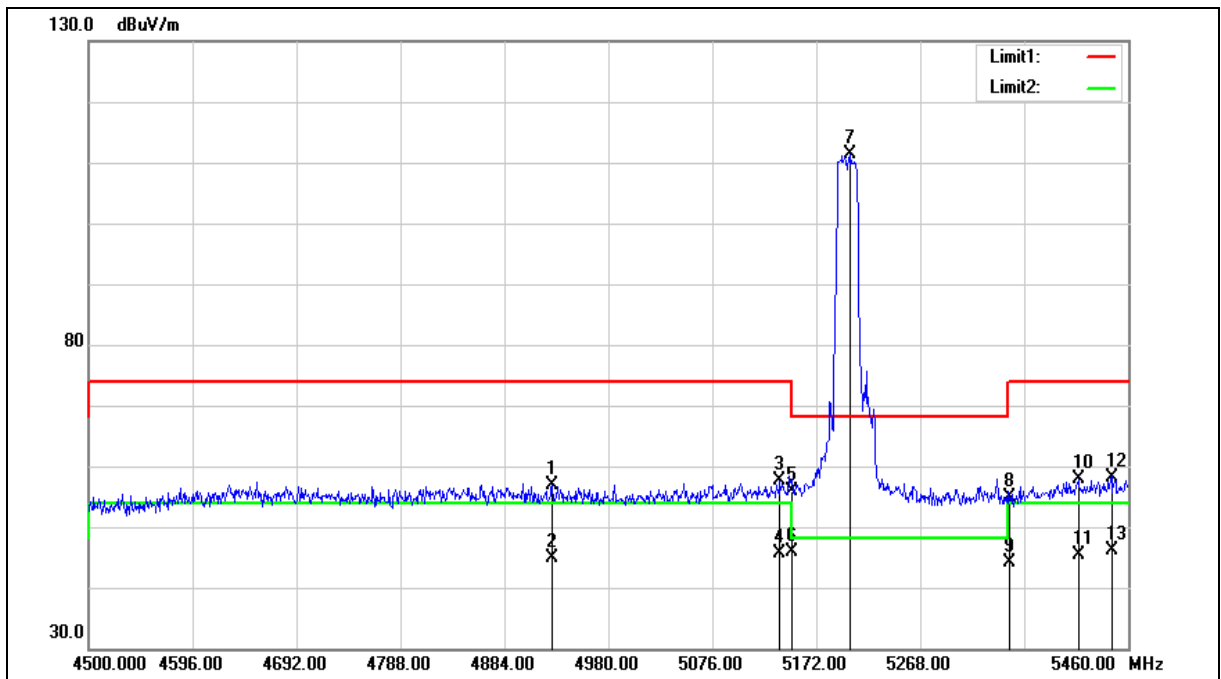
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4928.160	50.66	6.26	56.92	74.00	-17.08	peak
2	4928.160	38.63	6.26	44.89	54.00	-9.11	AVG
3	5138.400	50.84	6.83	57.67	74.00	-16.33	peak
4	5138.400	38.74	6.83	45.57	54.00	-8.43	AVG
5	5150.000	48.98	6.86	55.84	74.00	-18.16	peak
6	5150.000	39.05	6.86	45.91	54.00	-8.09	AVG
7	5203.680	104.45	7.01	111.46	--	--	peak
8	5350.000	47.37	7.44	54.81	74.00	-19.19	peak
9	5350.000	36.80	7.44	44.24	54.00	-9.76	AVG
10	5413.920	50.22	7.63	57.85	74.00	-16.15	peak
11	5413.920	37.86	7.63	45.49	54.00	-8.51	AVG
12	5444.640	50.53	7.72	58.25	74.00	-15.75	peak
13	5444.640	38.34	7.72	46.06	54.00	-7.94	AVG

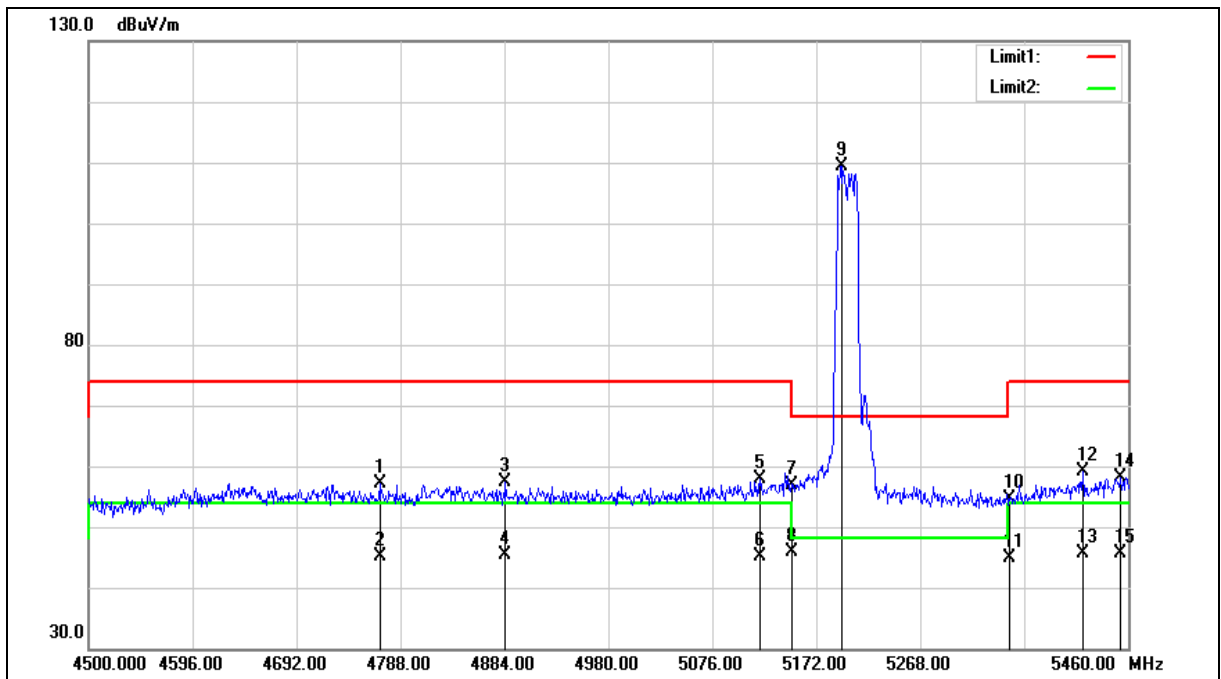
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 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	4768.800	51.11	5.92	57.03	74.00	-16.97	peak
2	4768.800	39.10	5.92	45.02	54.00	-8.98	AVG
3	4884.960	51.28	6.17	57.45	74.00	-16.55	peak
4	4884.960	39.10	6.17	45.27	54.00	-8.73	AVG
5	5120.160	51.07	6.76	57.83	74.00	-16.17	peak
6	5120.160	38.39	6.76	45.15	54.00	-8.85	AVG
7	5150.000	49.90	6.86	56.76	74.00	-17.24	peak
8	5150.000	38.96	6.86	45.82	54.00	-8.18	AVG
9	5195.040	102.43	6.99	109.42	--	--	peak
10	5350.000	47.30	7.44	54.74	74.00	-19.26	peak
11	5350.000	37.49	7.44	44.93	54.00	-9.07	AVG
12	5418.720	51.44	7.65	59.09	74.00	-14.91	peak
13	5418.720	37.86	7.65	45.51	54.00	-8.49	AVG
14	5453.280	50.43	7.75	58.18	74.00	-15.82	peak
15	5453.280	37.91	7.75	45.66	54.00	-8.34	AVG

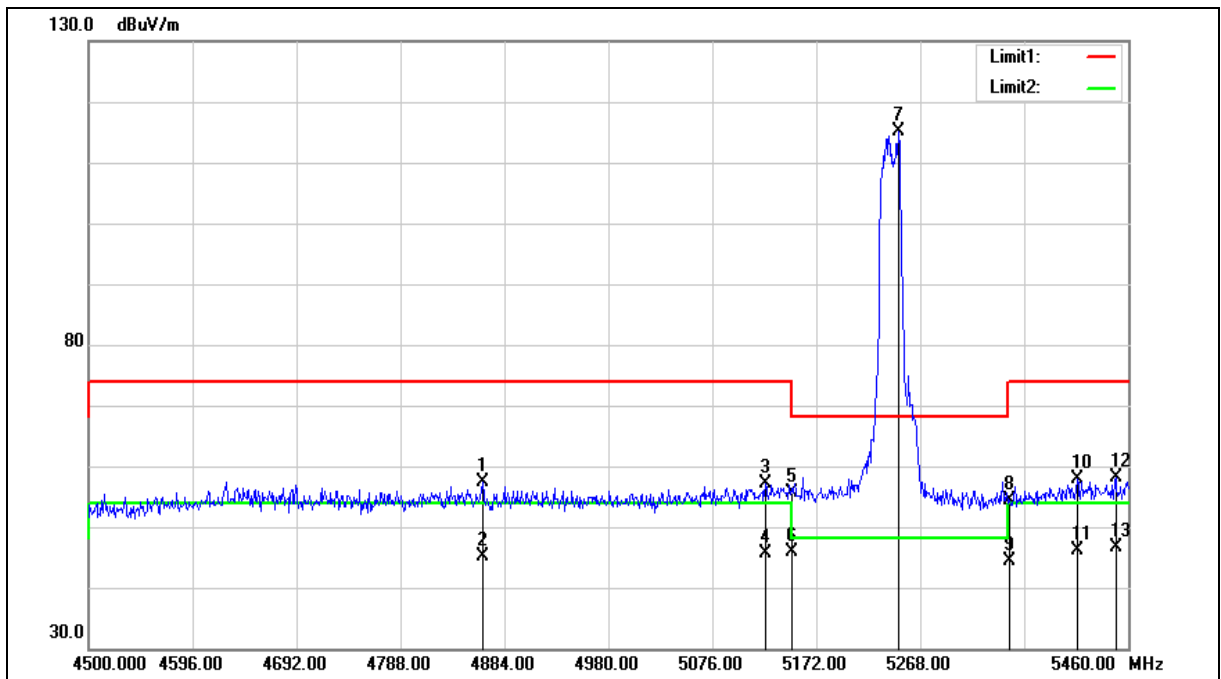
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 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	4863.840	51.28	6.12	57.40	74.00	-16.60	peak
2	4863.840	38.94	6.12	45.06	54.00	-8.94	AVG
3	5124.960	50.28	6.77	57.05	74.00	-16.95	peak
4	5124.960	38.91	6.77	45.68	54.00	-8.32	AVG
5	5150.000	48.77	6.86	55.63	74.00	-18.37	peak
6	5150.000	38.97	6.86	45.83	54.00	-8.17	AVG
7	5247.840	108.04	7.15	115.19	--	--	peak
8	5350.000	46.94	7.44	54.38	74.00	-19.62	peak
9	5350.000	36.95	7.44	44.39	54.00	-9.61	AVG
10	5412.960	50.25	7.63	57.88	74.00	-16.12	peak
11	5412.960	38.41	7.63	46.04	54.00	-7.96	AVG
12	5448.480	50.42	7.74	58.16	74.00	-15.84	peak
13	5448.480	38.83	7.74	46.57	54.00	-7.43	AVG

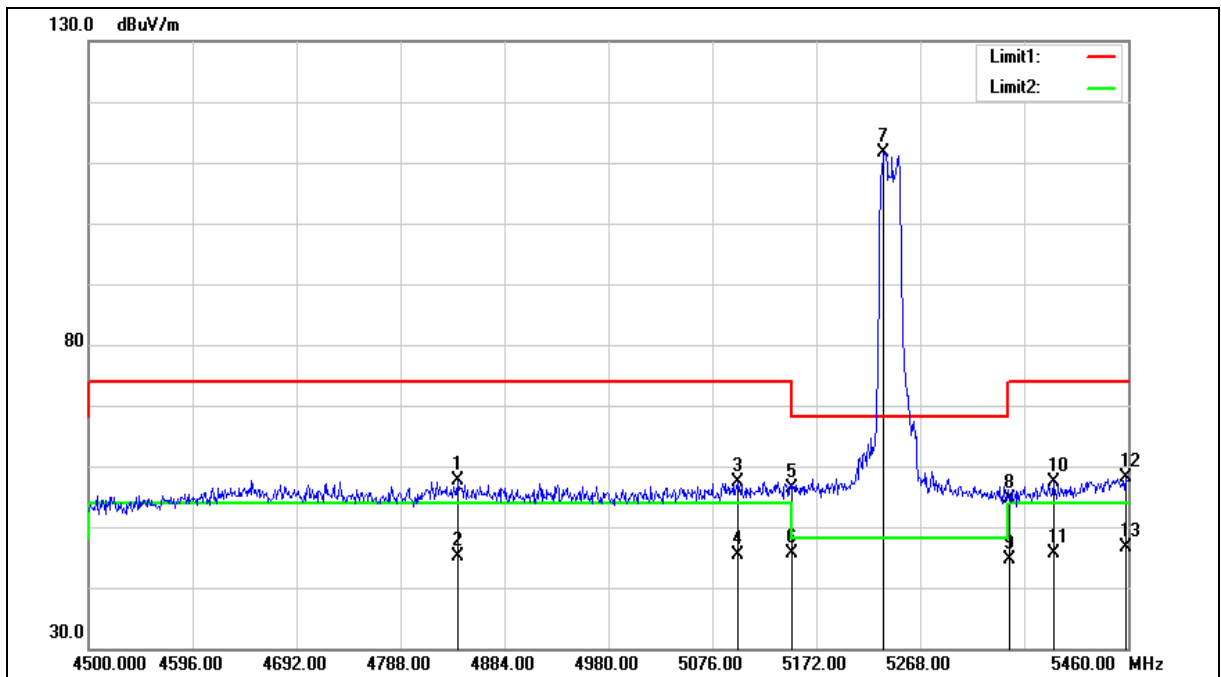
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

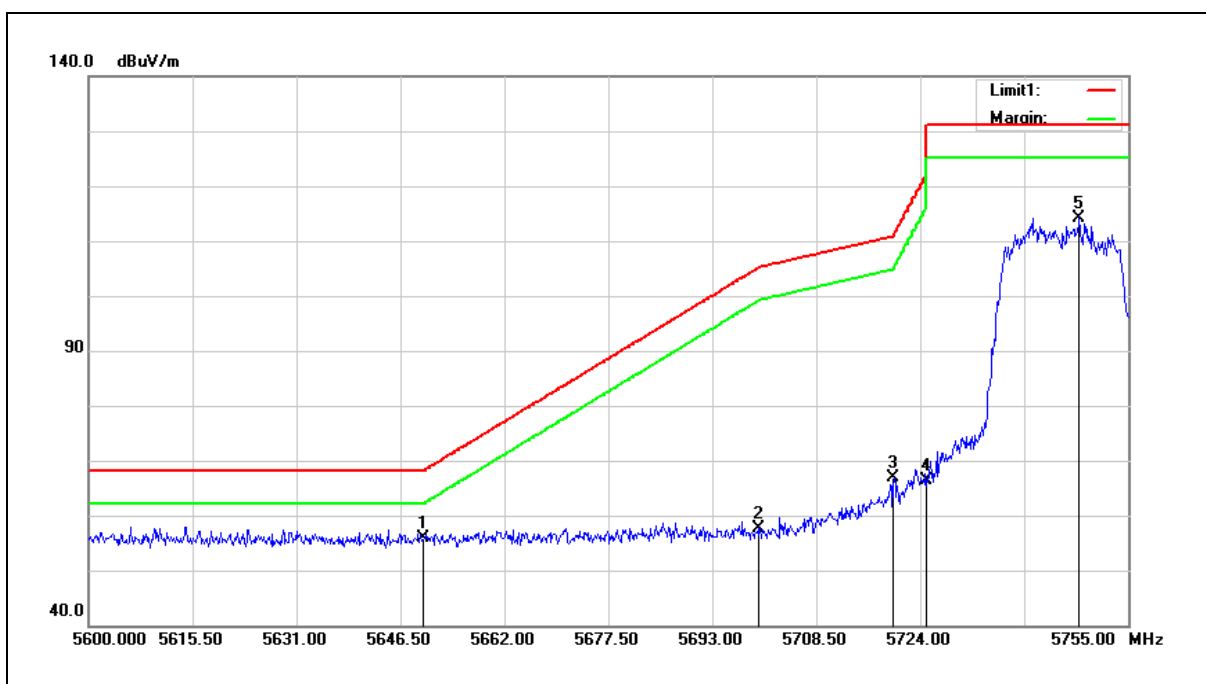
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4840.800	51.60	6.07	57.67	74.00	-16.33	peak
2	4840.800	39.12	6.07	45.19	54.00	-8.81	AVG
3	5100.000	50.71	6.70	57.41	74.00	-16.59	peak
4	5100.000	38.62	6.70	45.32	54.00	-8.68	AVG
5	5150.000	49.64	6.86	56.50	74.00	-17.50	peak
6	5150.000	38.69	6.86	45.55	54.00	-8.45	AVG
7	5234.400	104.57	7.10	111.67	--	--	peak
8	5350.000	47.29	7.44	54.73	74.00	-19.27	peak
9	5350.000	37.19	7.44	44.63	54.00	-9.37	AVG
10	5390.880	49.73	7.57	57.30	74.00	-16.70	peak
11	5390.880	38.00	7.57	45.57	54.00	-8.43	AVG
12	5458.080	50.25	7.77	58.02	74.00	-15.98	peak
13	5458.080	38.83	7.77	46.60	54.00	-7.40	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



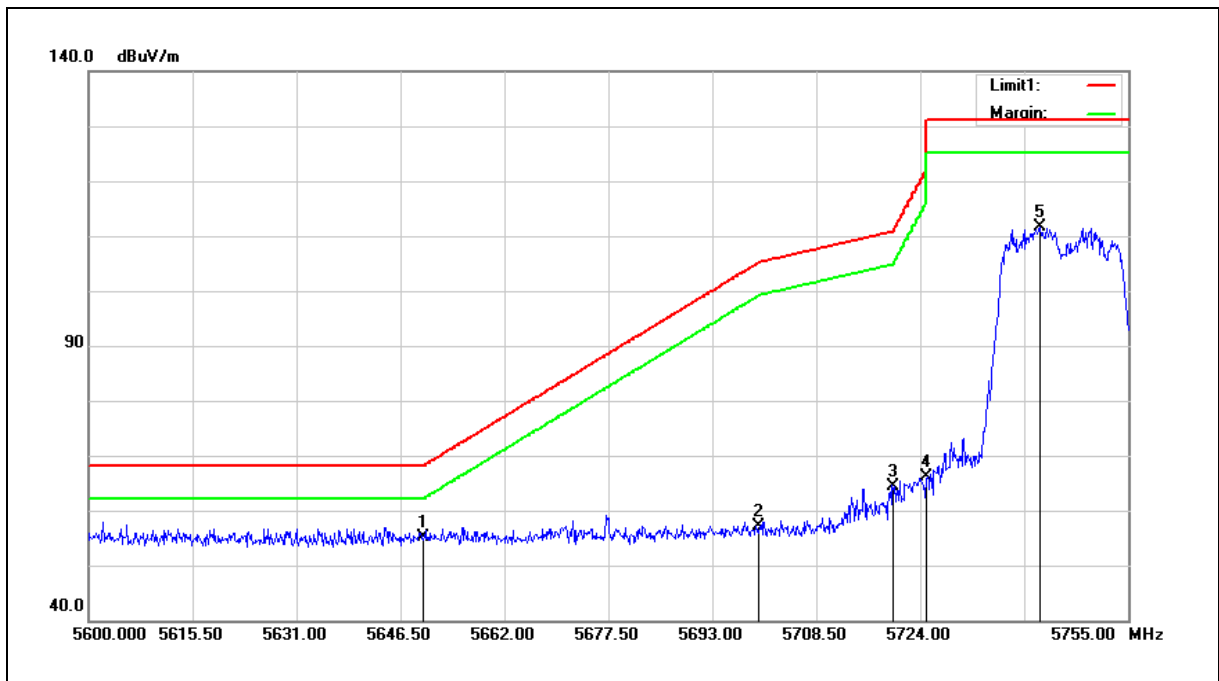
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.73	8.12	55.85	68.20	-12.35	peak
2	5700.000	49.54	8.19	57.73	105.20	-47.47	peak
3	5720.000	58.64	8.22	66.86	110.80	-43.94	peak
4	5725.000	58.27	8.23	66.50	122.20	-55.70	peak
5	5747.715	105.99	8.26	114.25	--	--	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 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	5650.000	46.92	8.12	55.04	68.20	-13.16	peak
2	5700.000	48.98	8.19	57.17	105.20	-48.03	peak
3	5720.000	56.12	8.22	64.34	110.80	-46.46	peak
4	5725.000	57.88	8.23	66.11	122.20	-56.09	peak
5	5741.825	103.31	8.25	111.56	--	--	peak

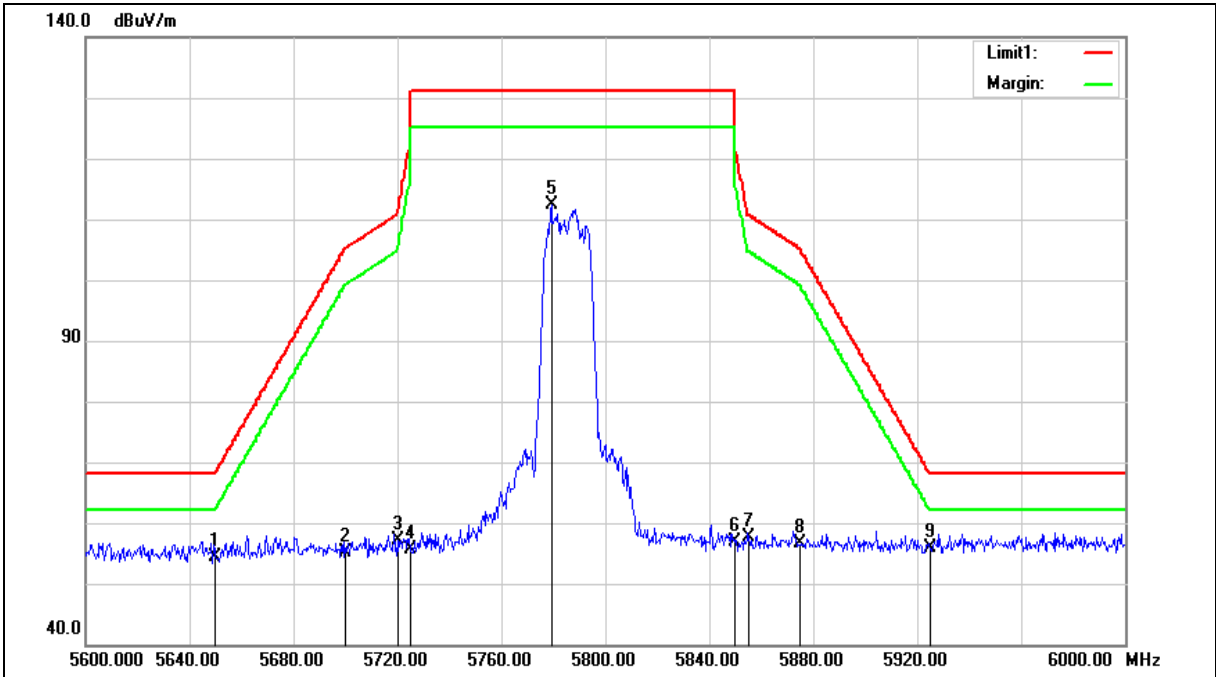
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 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	5650.000	46.29	8.12	54.41	68.20	-13.79	peak
2	5700.000	47.06	8.19	55.25	105.20	-49.95	peak
3	5720.000	48.81	8.22	57.03	110.80	-53.77	peak
4	5725.000	47.38	8.23	55.61	122.20	-66.59	peak
5	5779.200	104.19	8.30	112.49	--	--	peak
6	5850.000	48.50	8.40	56.90	122.20	-65.30	peak
7	5855.000	49.25	8.41	57.66	110.80	-53.14	peak
8	5875.000	48.29	8.44	56.73	105.20	-48.47	peak
9	5925.000	47.32	8.52	55.84	68.20	-12.36	peak

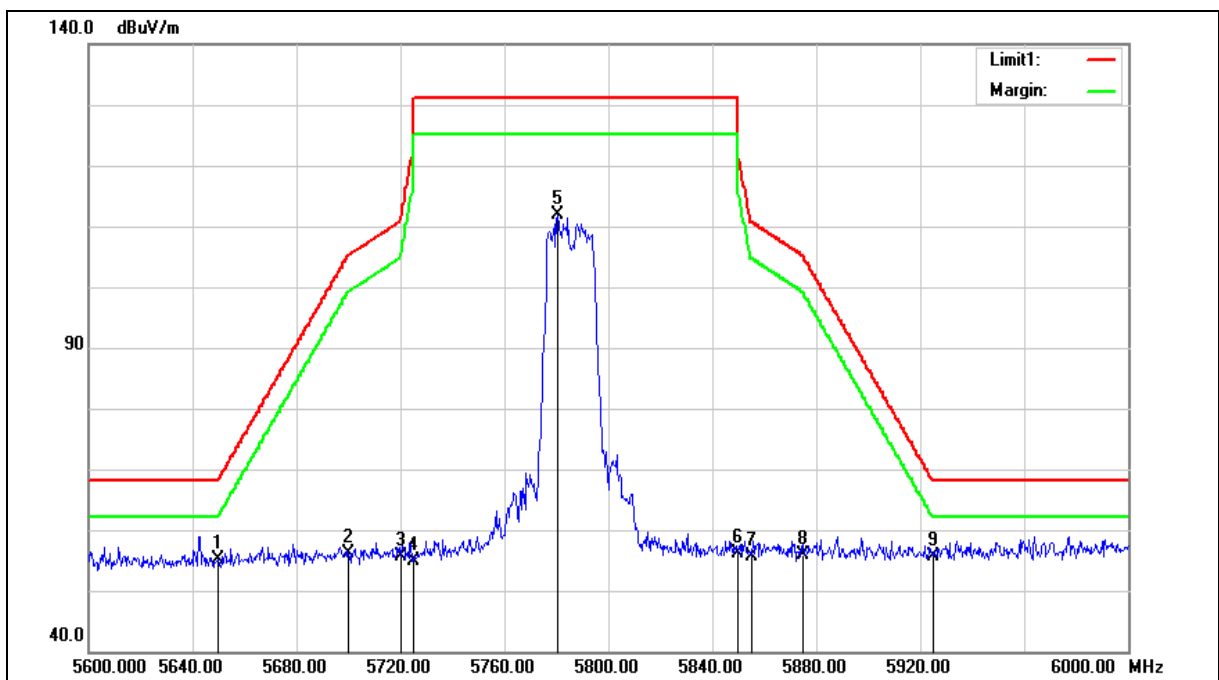
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

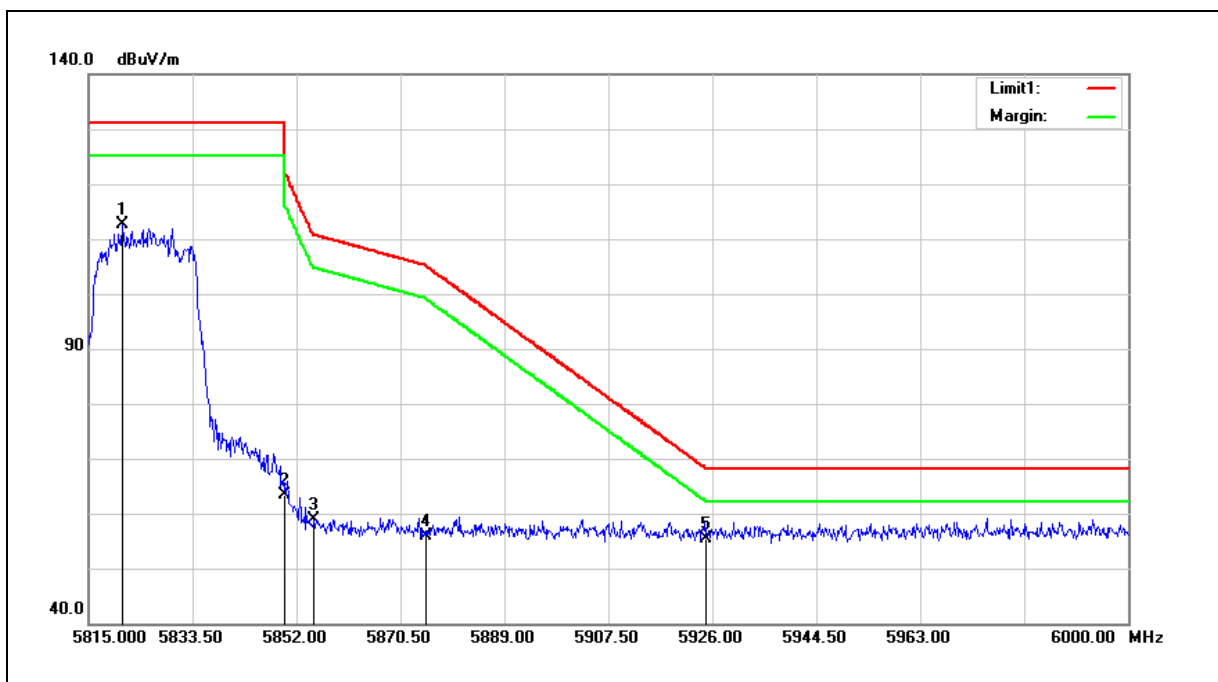
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.90	8.12	55.02	68.20	-13.18	peak
2	5700.000	48.05	8.19	56.24	105.20	-48.96	peak
3	5720.000	47.39	8.22	55.61	110.80	-55.19	peak
4	5725.000	46.66	8.23	54.89	122.20	-67.31	peak
5	5780.400	103.61	8.30	111.91	--	--	peak
6	5850.000	47.84	8.40	56.24	122.20	-65.96	peak
7	5855.000	47.22	8.41	55.63	110.80	-55.17	peak
8	5875.000	47.56	8.44	56.00	105.20	-49.20	peak
9	5925.000	47.19	8.52	55.71	68.20	-12.49	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



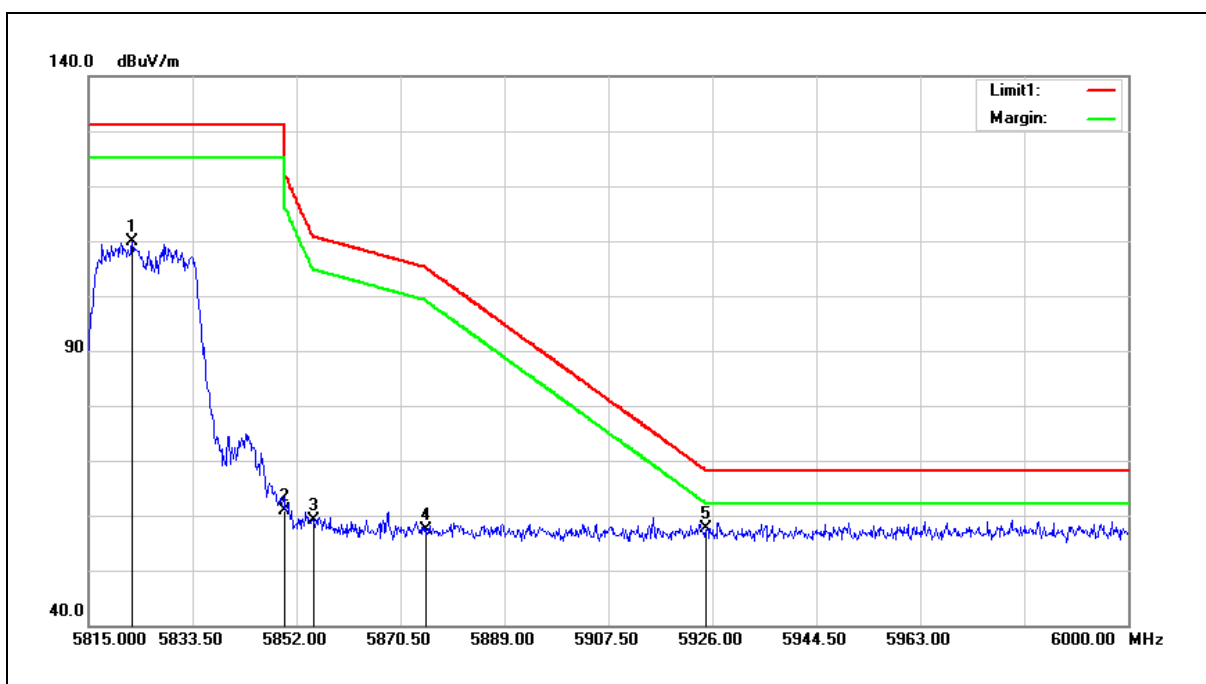
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5820.920	104.39	8.36	112.75	--	--	peak
2	5850.000	55.05	8.40	63.45	122.20	-58.75	peak
3	5855.000	50.48	8.41	58.89	110.80	-51.91	peak
4	5875.000	47.44	8.44	55.88	105.20	-49.32	peak
5	5925.000	46.89	8.52	55.41	68.20	-12.79	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 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	5822.770	101.60	8.36	109.96	--	--	peak
2	5850.000	52.50	8.40	60.90	122.20	-61.30	peak
3	5855.000	50.67	8.41	59.08	110.80	-51.72	peak
4	5875.000	48.90	8.44	57.34	105.20	-47.86	peak
5	5925.000	49.18	8.52	57.70	68.20	-10.50	peak

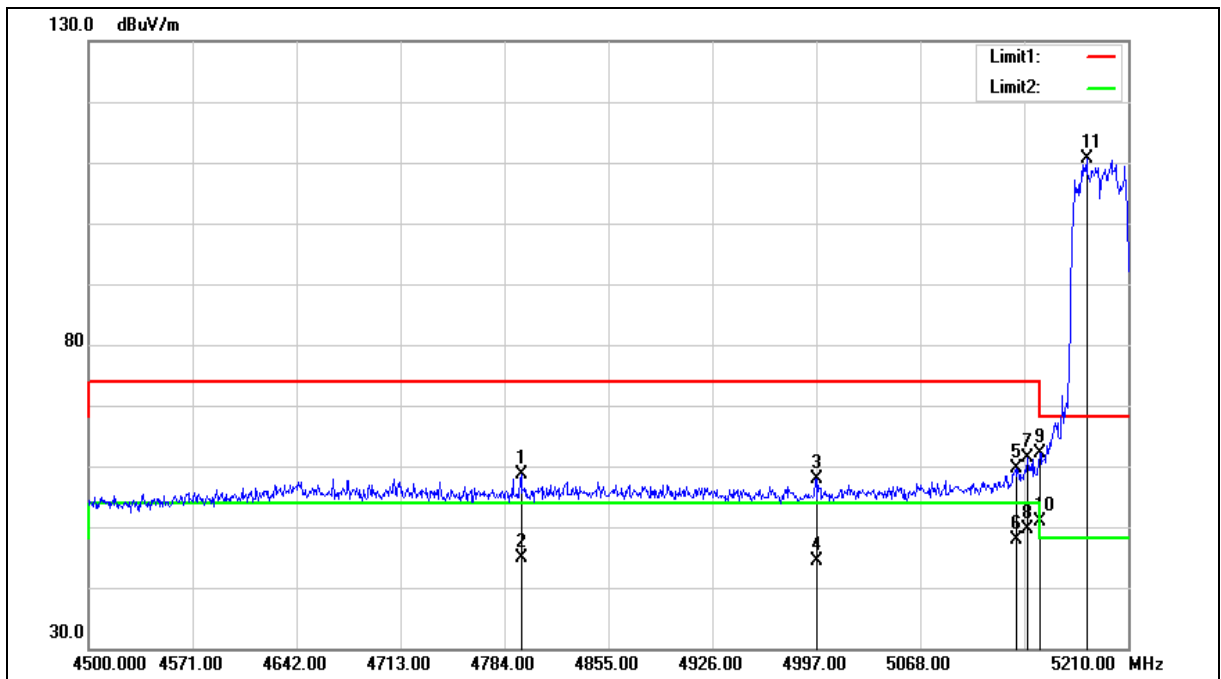
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4795.360	52.62	5.98	58.60	74.00	-15.40	peak
2	4795.360	38.80	5.98	44.78	54.00	-9.22	AVG
3	4997.000	51.40	6.40	57.80	74.00	-16.20	peak
4	4997.000	38.07	6.40	44.47	54.00	-9.53	AVG
5	5133.320	52.81	6.81	59.62	74.00	-14.38	peak
6	5133.320	41.18	6.81	47.99	54.00	-6.01	AVG
7	5141.130	54.46	6.83	61.29	74.00	-12.71	peak
8	5141.130	42.73	6.83	49.56	54.00	-4.44	AVG
9	5150.000	55.35	6.86	62.21	74.00	-11.79	peak
10	5150.000	43.91	6.86	50.77	54.00	-3.23	AVG
11	5181.600	103.71	6.95	110.66	--	--	peak

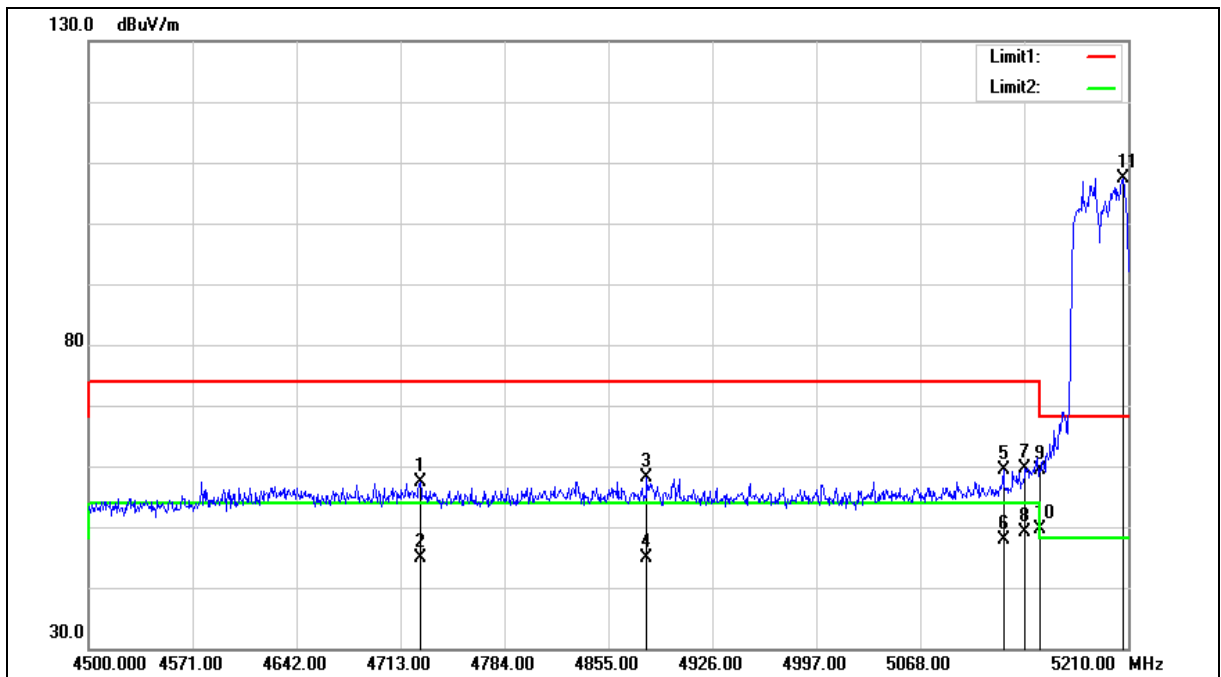
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4726.490	51.44	5.84	57.28	74.00	-16.72	peak
2	4726.490	39.02	5.84	44.86	54.00	-9.14	AVG
3	4881.270	51.86	6.16	58.02	74.00	-15.98	peak
4	4881.270	38.74	6.16	44.90	54.00	-9.10	AVG
5	5124.800	52.58	6.77	59.35	74.00	-14.65	peak
6	5124.800	41.06	6.77	47.83	54.00	-6.17	AVG
7	5139.710	52.73	6.83	59.56	74.00	-14.44	peak
8	5139.710	42.39	6.83	49.22	54.00	-4.78	AVG
9	5150.000	52.57	6.86	59.43	74.00	-14.57	peak
10	5150.000	42.86	6.86	49.72	54.00	-4.28	AVG
11	5206.450	100.29	7.03	107.32	--	--	peak

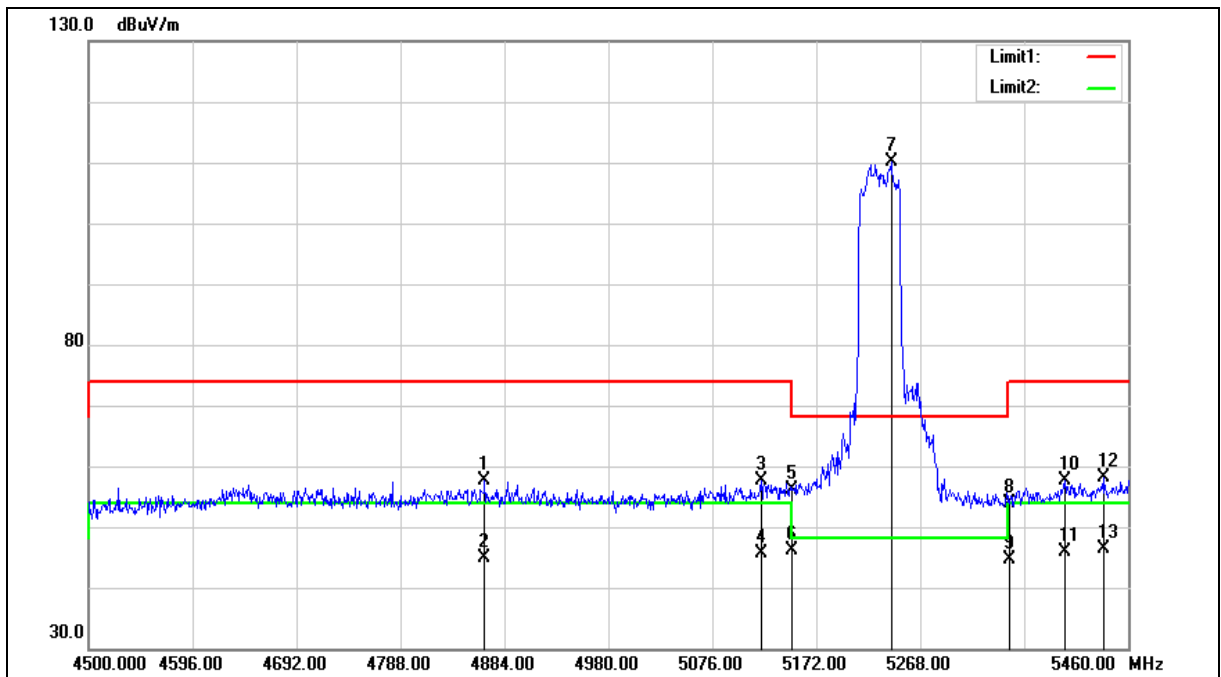
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4865.760	51.52	6.12	57.64	74.00	-16.36	peak
2	4865.760	38.88	6.12	45.00	54.00	-9.00	AVG
3	5121.120	50.86	6.76	57.62	74.00	-16.38	peak
4	5121.120	38.83	6.76	45.59	54.00	-8.41	AVG
5	5150.000	49.29	6.86	56.15	74.00	-17.85	peak
6	5150.000	39.20	6.86	46.06	54.00	-7.94	AVG
7	5241.120	103.09	7.12	110.21	--	--	peak
8	5350.000	46.53	7.44	53.97	74.00	-20.03	peak
9	5350.000	37.21	7.44	44.65	54.00	-9.35	AVG
10	5401.440	50.05	7.60	57.65	74.00	-16.35	peak
11	5401.440	38.18	7.60	45.78	54.00	-8.22	AVG
12	5437.920	50.35	7.71	58.06	74.00	-15.94	peak
13	5437.920	38.59	7.71	46.30	54.00	-7.70	AVG

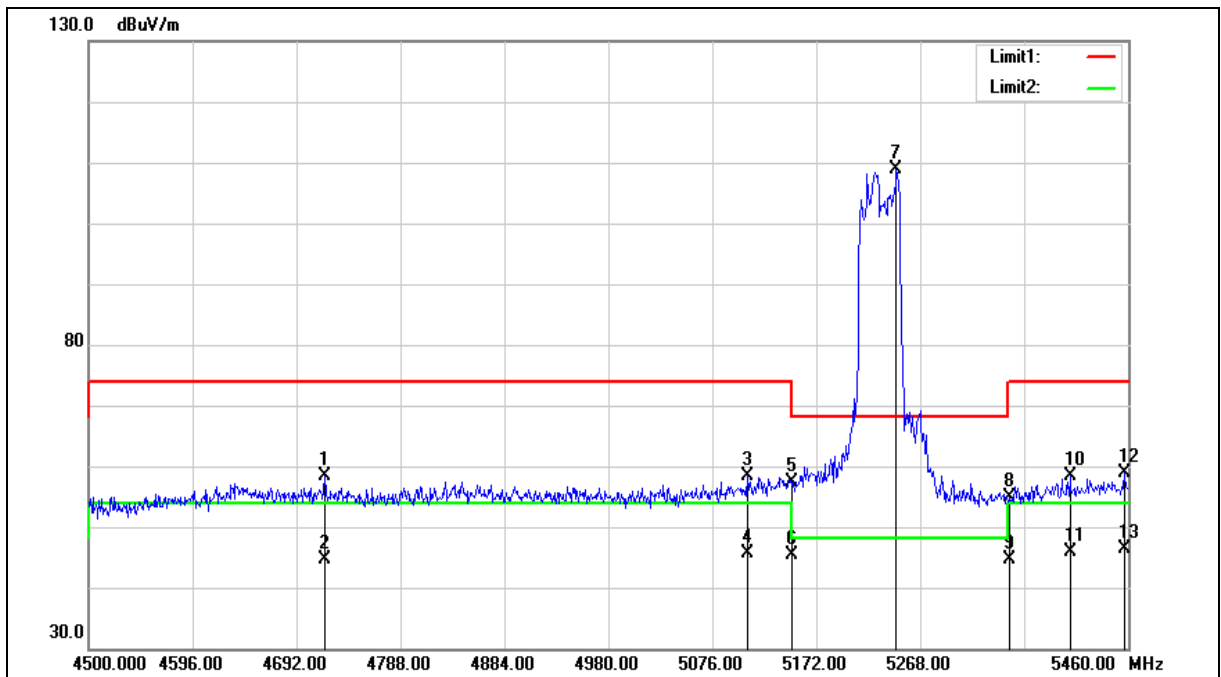
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

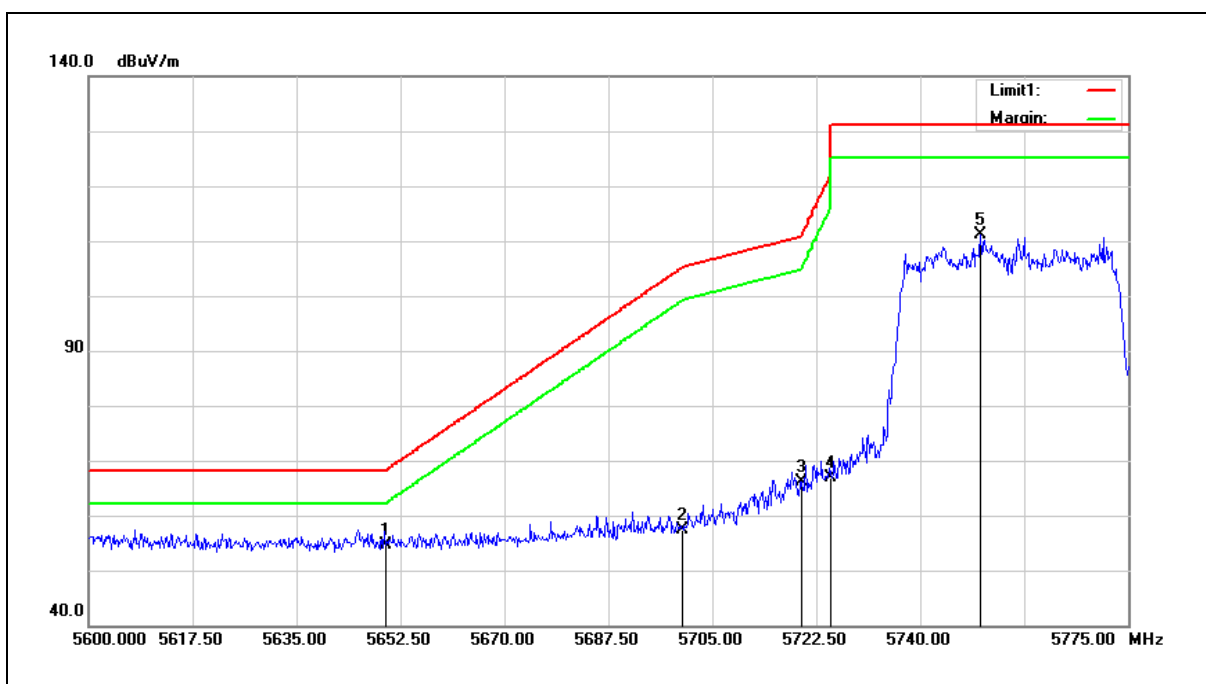
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4717.920	52.45	5.81	58.26	74.00	-15.74	peak
2	4717.920	38.84	5.81	44.65	54.00	-9.35	AVG
3	5108.640	51.53	6.73	58.26	74.00	-15.74	peak
4	5108.640	38.80	6.73	45.53	54.00	-8.47	AVG
5	5150.000	50.45	6.86	57.31	74.00	-16.69	peak
6	5150.000	38.55	6.86	45.41	54.00	-8.59	AVG
7	5245.920	101.75	7.14	108.89	--	--	peak
8	5350.000	47.32	7.44	54.76	74.00	-19.24	peak
9	5350.000	37.31	7.44	44.75	54.00	-9.25	AVG
10	5406.240	50.76	7.62	58.38	74.00	-15.62	peak
11	5406.240	38.18	7.62	45.80	54.00	-8.20	AVG
12	5456.160	51.02	7.77	58.79	74.00	-15.21	peak
13	5456.160	38.70	7.77	46.47	54.00	-7.53	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



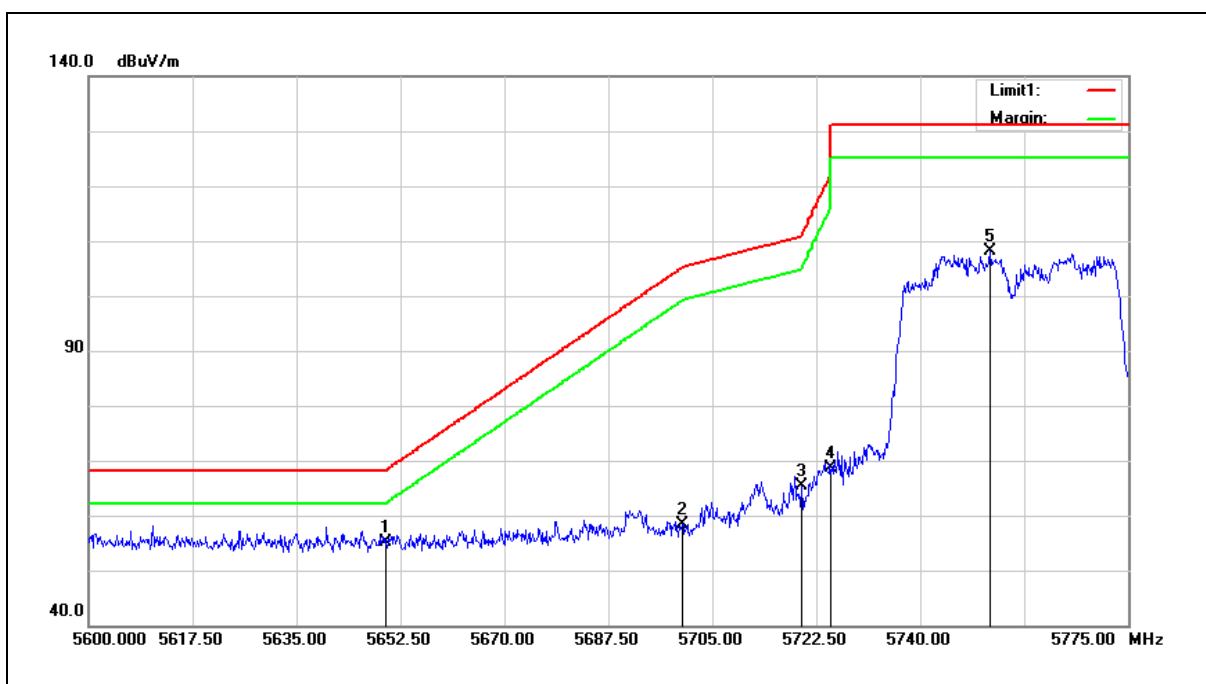
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.61	8.12	54.73	68.20	-13.47	peak
2	5700.000	49.16	8.19	57.35	105.20	-47.85	peak
3	5720.000	57.86	8.22	66.08	110.80	-44.72	peak
4	5725.000	58.72	8.23	66.95	122.20	-55.25	peak
5	5750.150	102.80	8.26	111.06	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



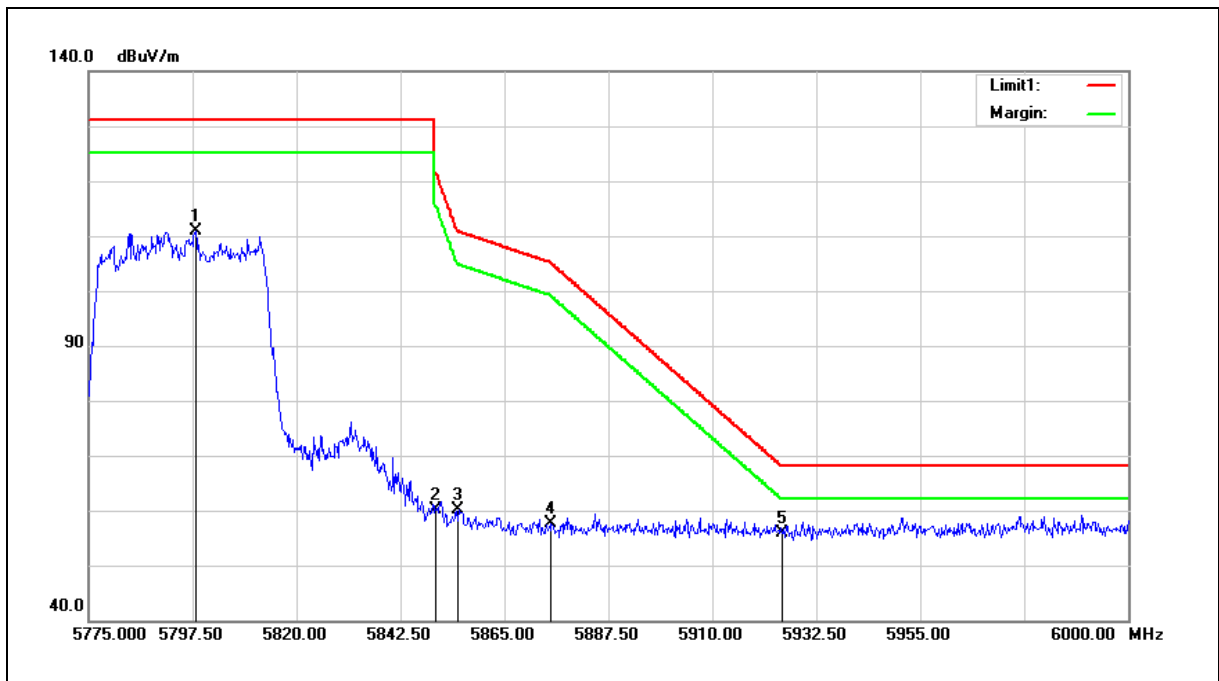
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.96	8.12	55.08	68.20	-13.12	peak
2	5700.000	50.08	8.19	58.27	105.20	-46.93	peak
3	5720.000	57.27	8.22	65.49	110.80	-45.31	peak
4	5725.000	60.44	8.23	68.67	122.20	-53.53	peak
5	5751.725	99.90	8.26	108.16	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



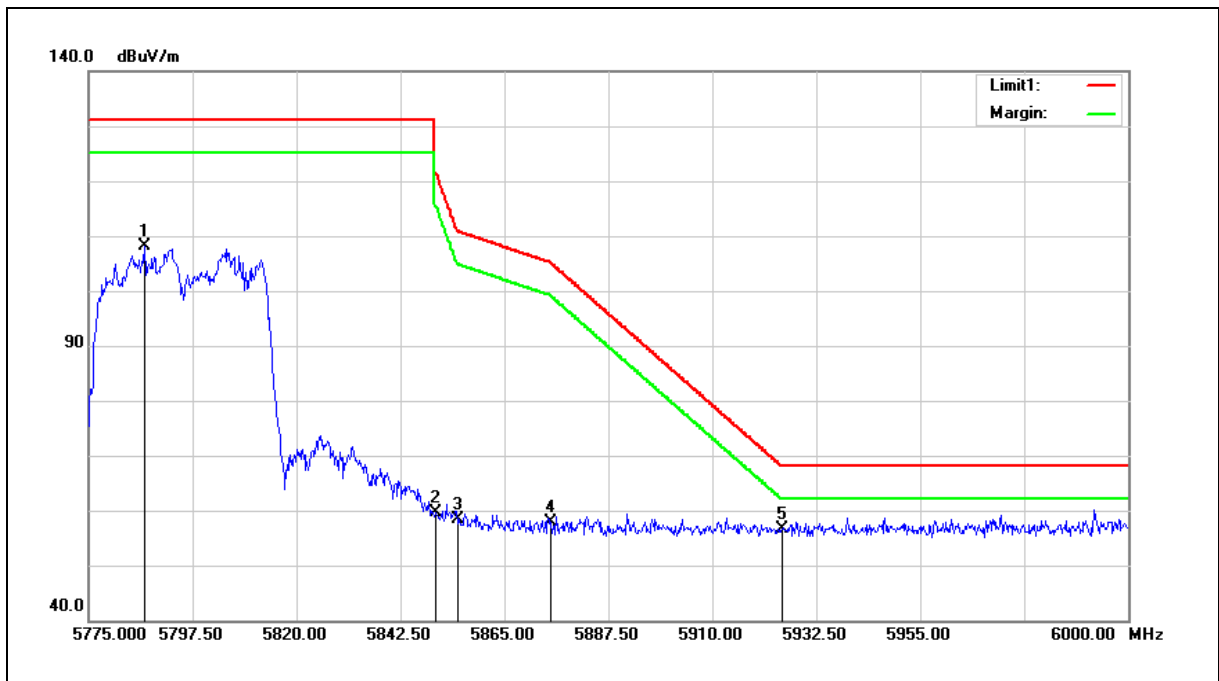
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5798.175	102.47	8.33	110.80	--	--	peak
2	5850.000	51.73	8.40	60.13	122.20	-62.07	peak
3	5855.000	51.67	8.41	60.08	110.80	-50.72	peak
4	5875.000	49.24	8.44	57.68	105.20	-47.52	peak
5	5925.000	47.32	8.52	55.84	68.20	-12.36	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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5787.150	99.86	8.32	108.18	--	--	peak
2	5850.000	51.27	8.40	59.67	122.20	-62.53	peak
3	5855.000	50.03	8.41	58.44	110.80	-52.36	peak
4	5875.000	49.43	8.44	57.87	105.20	-47.33	peak
5	5925.000	48.15	8.52	56.67	68.20	-11.53	peak

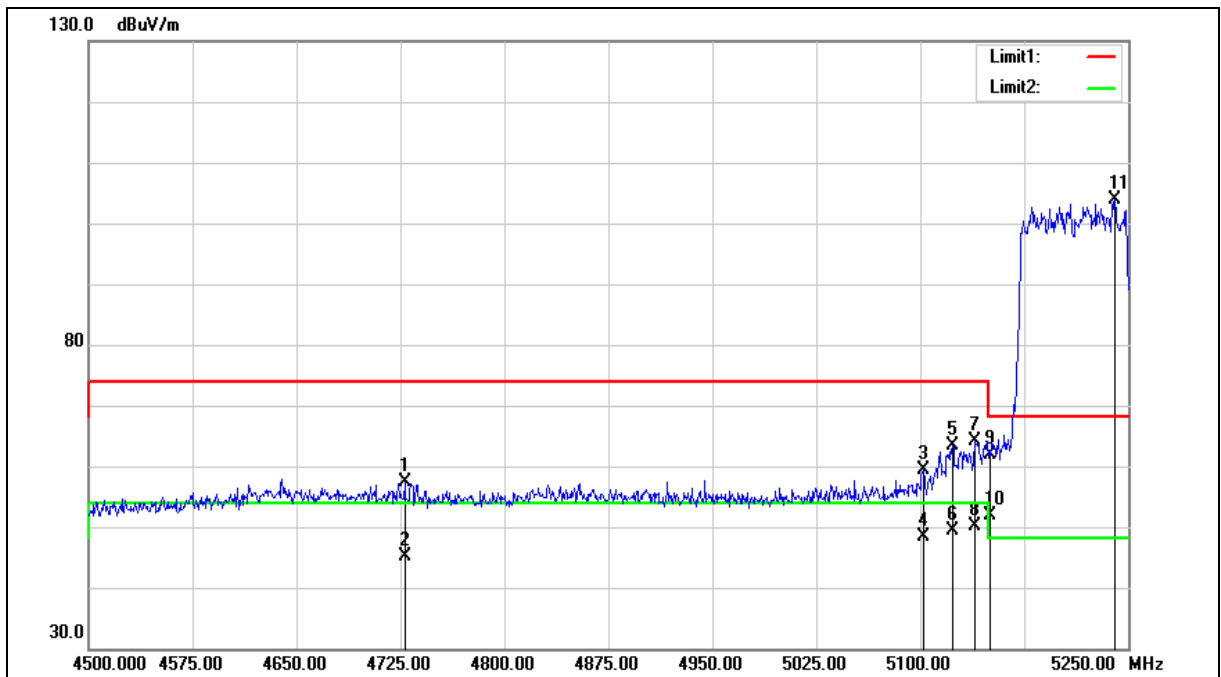
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4728.000	51.57	5.84	57.41	74.00	-16.59	peak
2	4728.000	39.33	5.84	45.17	54.00	-8.83	AVG
3	5102.250	52.73	6.71	59.44	74.00	-14.56	peak
4	5102.250	41.64	6.71	48.35	54.00	-5.65	AVG
5	5123.250	56.71	6.77	63.48	74.00	-10.52	peak
6	5123.250	42.50	6.77	49.27	54.00	-4.73	AVG
7	5139.000	57.30	6.83	64.13	74.00	-9.87	peak
8	5139.000	43.32	6.83	50.15	54.00	-3.85	AVG
9	5150.000	55.01	6.86	61.87	74.00	-12.13	peak
10	5150.000	44.90	6.86	51.76	54.00	-2.24	AVG
11	5240.250	96.74	7.12	103.86	--	--	peak

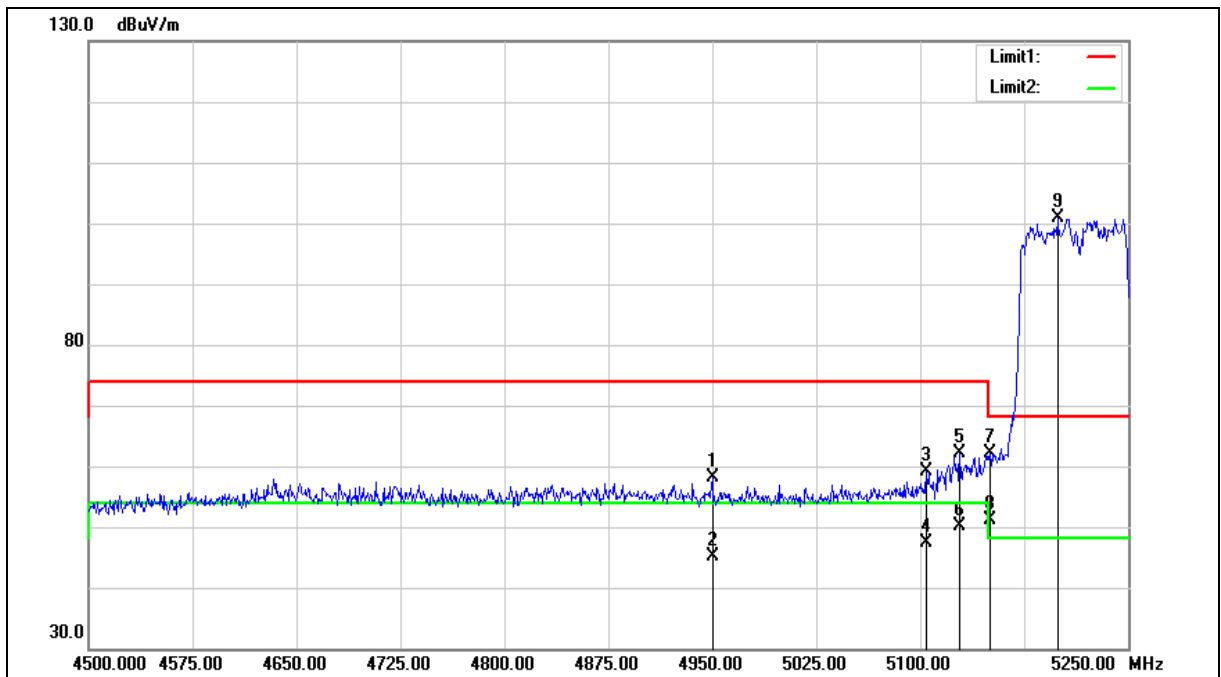
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4950.000	51.92	6.30	58.22	74.00	-15.78	peak
2	4950.000	38.74	6.30	45.04	54.00	-8.96	AVG
3	5104.500	52.39	6.71	59.10	74.00	-14.90	peak
4	5104.500	40.67	6.71	47.38	54.00	-6.62	AVG
5	5128.500	55.29	6.80	62.09	74.00	-11.91	peak
6	5128.500	43.42	6.80	50.22	54.00	-3.78	AVG
7	5150.000	55.31	6.86	62.17	74.00	-11.83	peak
8	5150.000	44.20	6.86	51.06	54.00	-2.94	AVG
9	5199.000	93.92	7.00	100.92	--	--	peak

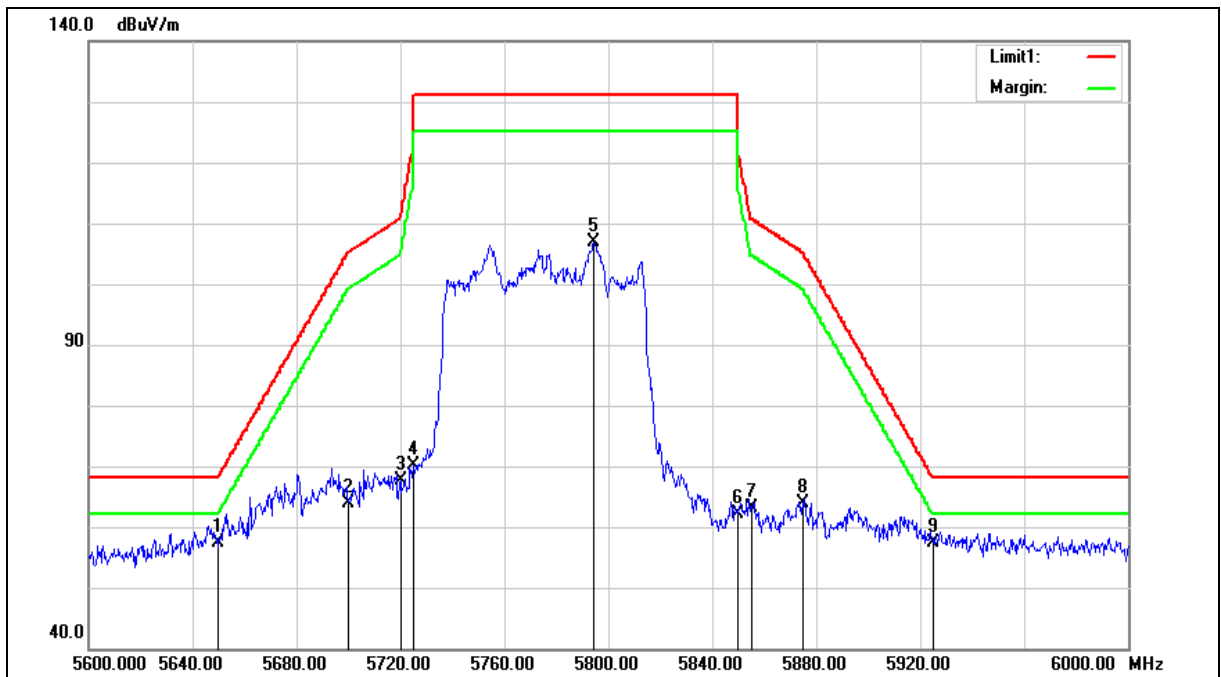
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	49.31	8.12	57.43	68.20	-10.77	peak
2	5700.000	55.72	8.19	63.91	105.20	-41.29	peak
3	5720.000	59.35	8.22	67.57	110.80	-43.23	peak
4	5725.000	61.89	8.23	70.12	122.20	-52.08	peak
5	5794.400	98.59	8.32	106.91	--	--	peak
6	5850.000	53.66	8.40	62.06	122.20	-60.14	peak
7	5855.000	54.79	8.41	63.20	110.80	-47.60	peak
8	5875.000	55.32	8.44	63.76	105.20	-41.44	peak
9	5925.000	48.88	8.52	57.40	68.20	-10.80	peak

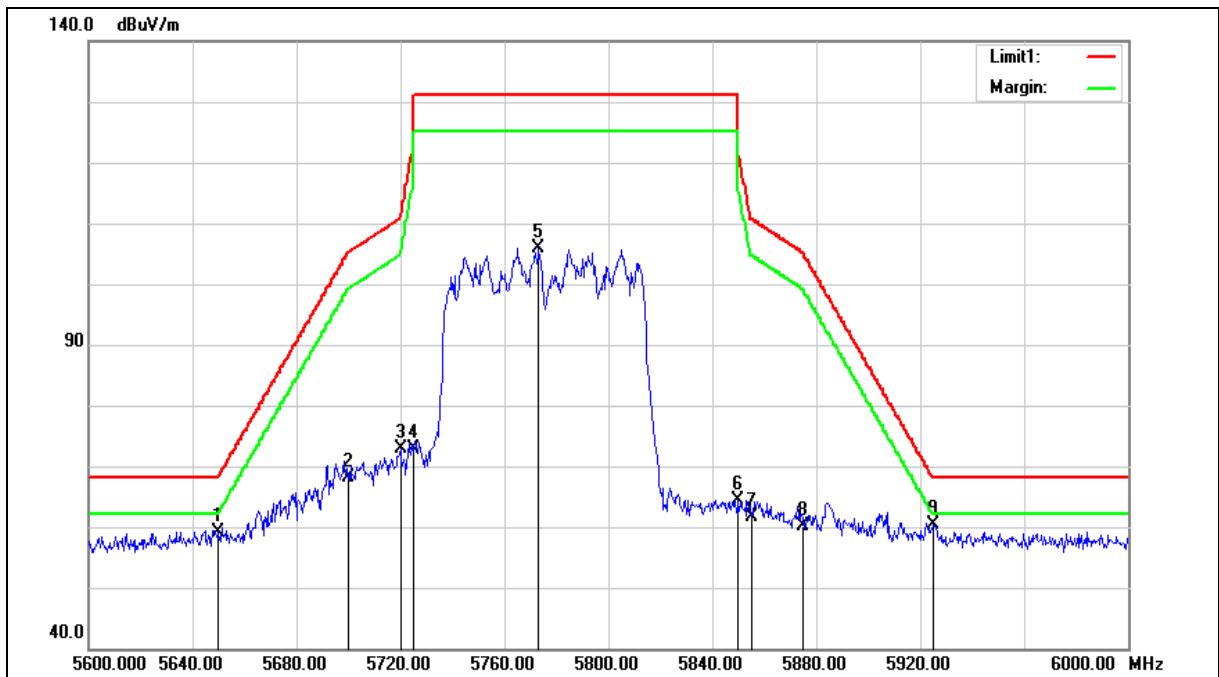
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	51.03	8.12	59.15	68.20	-9.05	peak
2	5700.000	60.01	8.19	68.20	105.20	-37.00	peak
3	5720.000	64.55	8.22	72.77	110.80	-38.03	peak
4	5725.000	64.53	8.23	72.76	122.20	-49.44	peak
5	5773.200	97.58	8.29	105.87	--	--	peak
6	5850.000	55.90	8.40	64.30	122.20	-57.90	peak
7	5855.000	53.11	8.41	61.52	110.80	-49.28	peak
8	5875.000	51.65	8.44	60.09	105.20	-45.11	peak
9	5925.000	51.84	8.52	60.36	68.20	-7.84	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.



Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	17.35	0.054	16.94	0.049	16.04	0.040	15.40	0.035	≤ 30
5200		17.41	0.055	17.09	0.051	16.06	0.040	15.54	0.036	
5220		17.43	0.055	17.05	0.051	16.01	0.040	15.62	0.036	
5240		17.51	0.056	17.03	0.050	15.94	0.039	15.60	0.036	
5745		19.46	0.088	19.12	0.082	18.56	0.072	18.70	0.074	≤ 30
5765		19.28	0.085	19.16	0.082	18.51	0.071	18.53	0.071	
5785		19.20	0.083	19.21	0.083	18.48	0.070	18.39	0.069	
5805		19.01	0.080	19.33	0.086	18.53	0.071	18.27	0.067	
5825		18.82	0.076	19.52	0.090	18.60	0.072	17.97	0.063	

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5180	6 M	22.52	0.179	≤ 30	
5200		22.61	0.182		
5220		22.61	0.182		
5240		22.61	0.182		
5745		25.00	0.316	≤ 30	
5765		24.90	0.309		
5785		24.86	0.306		
5805		24.83	0.304		
5825		24.78	0.301		

Note:1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	18.85	0.077	18.34	0.068	17.37	0.055	16.72	0.047	≤ 30
5200		18.68	0.074	18.67	0.074	17.37	0.055	17.12	0.052	
5220		18.83	0.076	18.42	0.070	17.37	0.055	17.00	0.050	
5240		18.78	0.076	18.44	0.070	17.36	0.054	16.94	0.049	
5745		17.58	0.057	17.47	0.056	16.69	0.047	17.23	0.053	≤ 30
5765		17.38	0.055	17.54	0.057	17.16	0.052	16.86	0.049	
5785		17.34	0.054	17.59	0.057	16.99	0.050	16.63	0.046	
5805		17.20	0.052	17.76	0.060	16.84	0.048	16.98	0.050	
5825		17.37	0.055	17.66	0.058	16.89	0.049	16.61	0.046	

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)
		(dBm)	(W)	
5180	26 M	23.92	0.247	≤ 30
5200		24.04	0.254	
5220		23.99	0.251	
5240		23.97	0.249	
5745		23.28	0.213	≤ 30
5765		23.26	0.212	
5785		23.17	0.208	
5805		23.23	0.210	
5825		23.17	0.208	

Note: 1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.



Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	18.75	0.075	18.24	0.067	17.38	0.055	16.96	0.050	≤ 30
5230		18.81	0.076	18.44	0.070	17.17	0.052	16.98	0.050	
5755		17.32	0.054	17.24	0.053	16.51	0.045	16.77	0.048	
5795		17.30	0.054	17.42	0.055	16.64	0.046	16.70	0.047	

Test Mode		Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5190	54 M	23.91	0.246	≤ 30	
5230		23.94	0.248		
5755		22.99	0.199		
5795		23.05	0.202		

Note:1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.

Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	19.02	0.080	18.64	0.073	17.81	0.060	17.16	0.052	≤ 30
5200		19.08	0.081	18.65	0.073	17.90	0.062	17.23	0.053	
5220		19.04	0.080	18.68	0.074	17.94	0.062	17.38	0.055	
5240		19.03	0.080	18.71	0.074	17.88	0.061	17.31	0.054	
5745		18.03	0.064	17.85	0.061	17.17	0.052	17.42	0.055	≤ 30
5765		17.85	0.061	17.73	0.059	17.17	0.052	17.25	0.053	
5785		17.78	0.060	17.85	0.061	17.15	0.052	17.12	0.052	
5805		17.66	0.058	18.02	0.063	17.18	0.052	17.01	0.050	
5825		17.58	0.057	17.95	0.062	17.24	0.053	16.74	0.047	

Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5180	26 M	24.24	0.265	≤ 30	
5200		24.29	0.269		
5220		24.33	0.271		
5240		24.31	0.269		
5745		23.65	0.232	≤ 30	
5765		23.53	0.225		
5785		23.51	0.224		
5805		23.51	0.224		
5825		23.42	0.220		

Note: 1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.



Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	18.98	0.079	18.50	0.071	17.63	0.058	17.02	0.050	≤ 30
5230		18.92	0.078	18.71	0.074	17.60	0.058	17.16	0.052	
5755		17.65	0.058	17.51	0.056	16.81	0.048	17.04	0.051	
5795		17.46	0.056	17.68	0.059	16.85	0.048	16.75	0.047	

Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5190	54 M	24.12	0.258	≤ 30	
5230		24.18	0.262		
5755		23.29	0.213	≤ 30	
5795		23.22	0.210		

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2 M	15.29	0.034	14.91	0.031	13.92	0.025	13.44	0.022	≤ 30
5775		17.97	0.063	18.02	0.063	17.22	0.053	17.30	0.054	

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5210	117.2 M	20.47	0.112	≤ 30	
5775		23.66	0.232	≤ 30	

Note: 1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.

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Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26 M	12.41	0.017	11.89	0.015	11.28	0.013	10.77	0.012	≤ 25.51
5200		12.44	0.018	12.06	0.016	11.41	0.014	10.74	0.012	
5220		12.46	0.018	12.22	0.017	11.42	0.014	10.91	0.012	
5240		12.34	0.017	12.03	0.016	11.29	0.013	10.83	0.012	
5745		11.32	0.014	11.02	0.013	10.73	0.012	10.94	0.012	≤ 24.53
5765		11.18	0.013	10.98	0.013	10.74	0.012	10.78	0.012	
5785		11.01	0.013	11.06	0.013	10.71	0.012	10.71	0.012	
5805		10.90	0.012	11.17	0.013	10.76	0.012	10.62	0.012	
5825		10.82	0.012	12.55	0.018	10.82	0.012	10.34	0.011	

Test Mode		Mode 5: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5180	26 M	17.65	0.058	≤ 25.51	
5200		17.73	0.059		
5220		17.82	0.060		
5240		17.68	0.059		
5745		17.03	0.050	≤ 24.53	
5765		16.94	0.049		
5785		16.90	0.049		
5805		16.89	0.049		
5825		17.24	0.053		

Note:1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.

Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54 M	12.22	0.017	11.70	0.015	10.91	0.012	10.42	0.011	≤ 25.51
5230		12.19	0.017	11.89	0.015	10.85	0.012	10.68	0.012	
5755		11.02	0.013	10.80	0.012	10.05	0.010	10.60	0.011	≤ 24.53
5795		10.80	0.012	10.91	0.012	10.05	0.010	10.29	0.011	

Test Mode		Mode 6: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5190	54 M	17.39	0.055	≤ 25.51	
5230		17.47	0.056		
5755		16.65	0.046	≤ 24.53	
5795		16.55	0.045		

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode								
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-2		ANT-3		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2 M	8.65	0.007	8.14	0.007	7.51	0.006	6.87	0.005	≤ 25.51
5775		11.36	0.014	11.27	0.013	10.55	0.011	10.73	0.012	≤ 24.53

Test Mode		Mode 7: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	Data Rate	ANT-0+1+2+3		FCC Limit (dBm)	
		(dBm)	(W)		
5210	117.2 M	13.86	0.024	≤ 25.51	
5775		17.01	0.050	≤ 24.53	

Note: 1. The relevant measured result has the offset with cable loss already.

2. Evaluated high and low data rate, the report record worst case low data rate measurement results.