

RF Test Report

Applicant : Adtran

Product Type : Intellifi AP/Router

Trade Name : ADTRAN

Model Number : SE81ac

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

Received Date : Nov. 06, 2019

Test Period : Nov. 15, 2019 ~ Jun. 08, 2020

Issued Date : Jun. 15, 2020

Issued by

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

Note:

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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	Jun. 15, 2020	Initial Issue	Tobey Cheng

Verification of Compliance

Issued Date: Jun. 15, 2020

Applicant : Adtran
Product Type : Intellifi AP/Router
Trade Name : ADTRAN
Model Number : SE81ac
FCC ID : HDC-SE81AC
EUT Rated Voltage : DC 12 V, 1 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

(Manager)

(Fly Lu)

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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	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power		0.92 dB
RF Bandwidth		4.79 %
Power Spectral Density		0.92 dB
Frequency Stability		4.1×10^{-8}
Duty Cycle		1.06 %
Time Occupancy		1.40 %

Decision Rule

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



2 EUT Description

Applicant	Adtran 901 Explorer Boulevard, Huntsville, AL 35806-2807, United States				
Manufacturer	Adtran 901 Explorer Boulevard, Huntsville, AL 35806-2807, United States				
Product Type	Intellifi AP/Router				
Trade Name	ADTRAN				
Model Number	SE81ac				
FCC ID	HDC-SE81AC				
Operate Frequency	Frequency Band			Frequency Range (MHz)	Number of Channels
	IEEE 802.11a	U-NII Band I		5180 – 5240	3
		U-NII Band III		5745 – 5825	3
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I		5180 – 5240	3
		U-NII Band III		5745 – 5825	3
	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	Max. Gain (dBi)	
	ANT-0	5718A0401300	Metal PIFA Antenna	U-NII Band I	4.97
				U-NII Band III	4.06
	ANT-1	5718A0402300	Metal PIFA Antenna	U-NII Band I	4.60
				U-NII Band III	4.58
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ 40 °C				



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.201
	U-NII Band III	0.260
IEEE 802.11ac 20 MHz	U-NII Band I	0.209
	U-NII Band III	0.267
IEEE 802.11ac 40 MHz	U-NII Band I	0.245
	U-NII Band III	0.296
IEEE 802.11ac 80 MHz	U-NII Band I	0.089
	U-NII Band III	0.278

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.098
	U-NII Band III	0.119
IEEE 802.11ac 40 MHz	U-NII Band I	0.110
	U-NII Band III	0.128
IEEE 802.11ac 80 MHz	U-NII Band I	0.050
	U-NII Band III	0.126

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 802.11ac 20 MHz Continuous TX mode
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode
Mode 5: 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.

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	2TX (CDD)	6	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 3	2TX (MIMO/Beamforming on)	13	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 4	2TX (MIMO/Beamforming on)	27	U-NII Band I	38, 46
			U-NII Band III	151, 159
Mode 5	2TX (MIMO/Beamforming on)	58.6	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	2.100	0.976	0.105	0.488
Mode 3	5180.0	5.000	5.060	0.988	0.052	0.010
Mode 4	5190.0	2.440	2.500	0.976	0.106	0.410
Mode 5	5210.0	1.150	1.210	0.950	0.221	0.870

Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 3	5180.0	5.000	5.060	0.988	0.052	0.010
Mode 4	5190.0	2.440	2.500	0.976	0.106	0.410
Mode 5	5210.0	1.150	1.210	0.950	0.221	0.870



Duty Cycle Graphs

Mode 2: IEEE 802.11a Continuous TX mode

On+off time



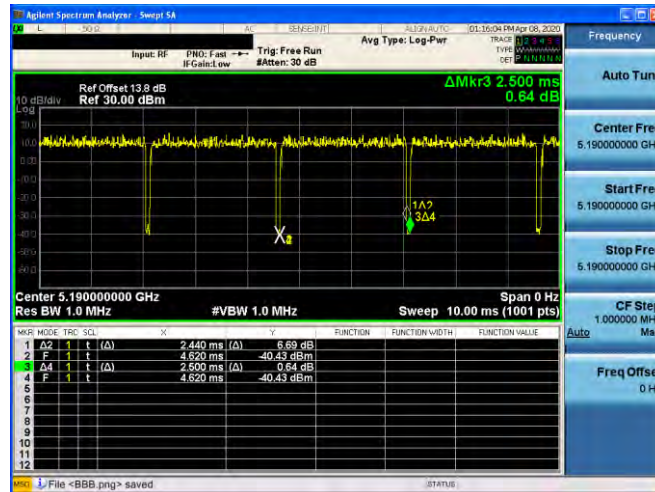
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

On+off time



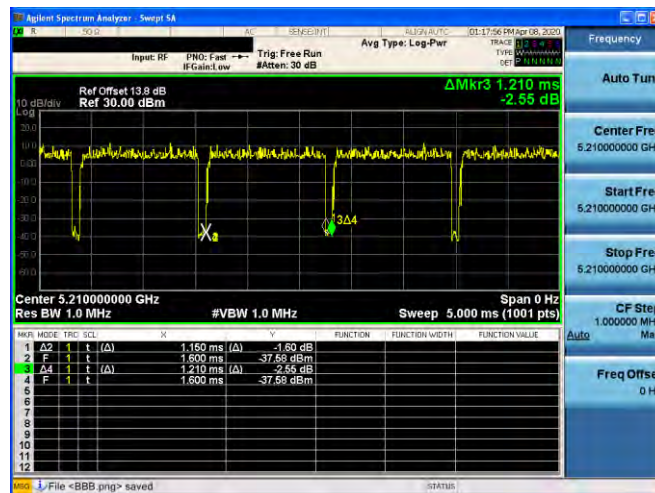
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode

On+off time



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

On+off time



Beamforming on

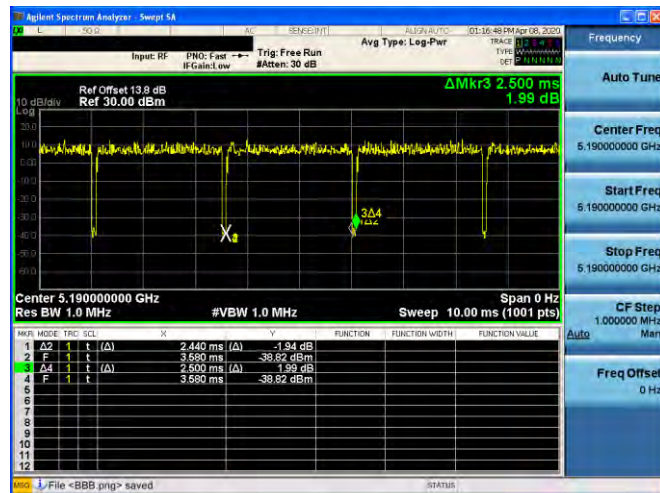
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

On+off time



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode

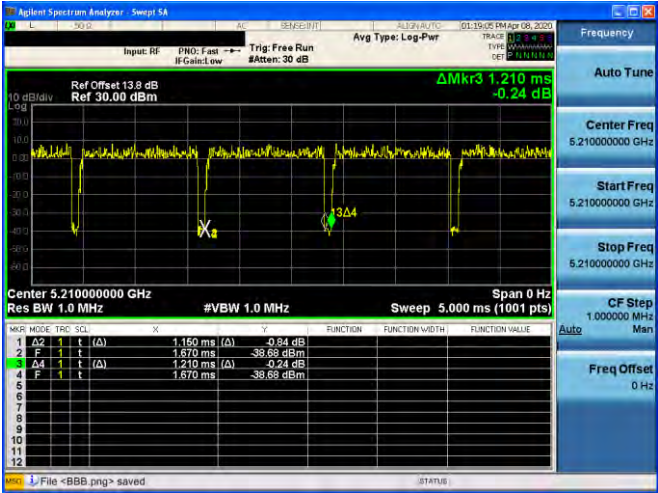
On+off time





Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

On+off time



3.2. EUT Test Step

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

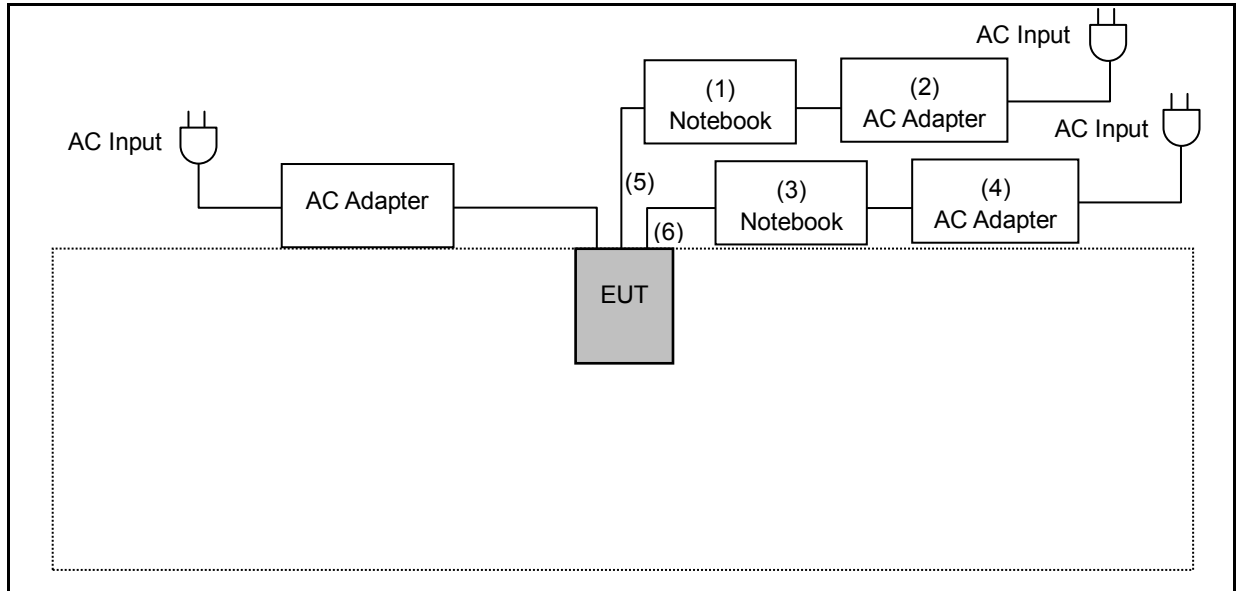
According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

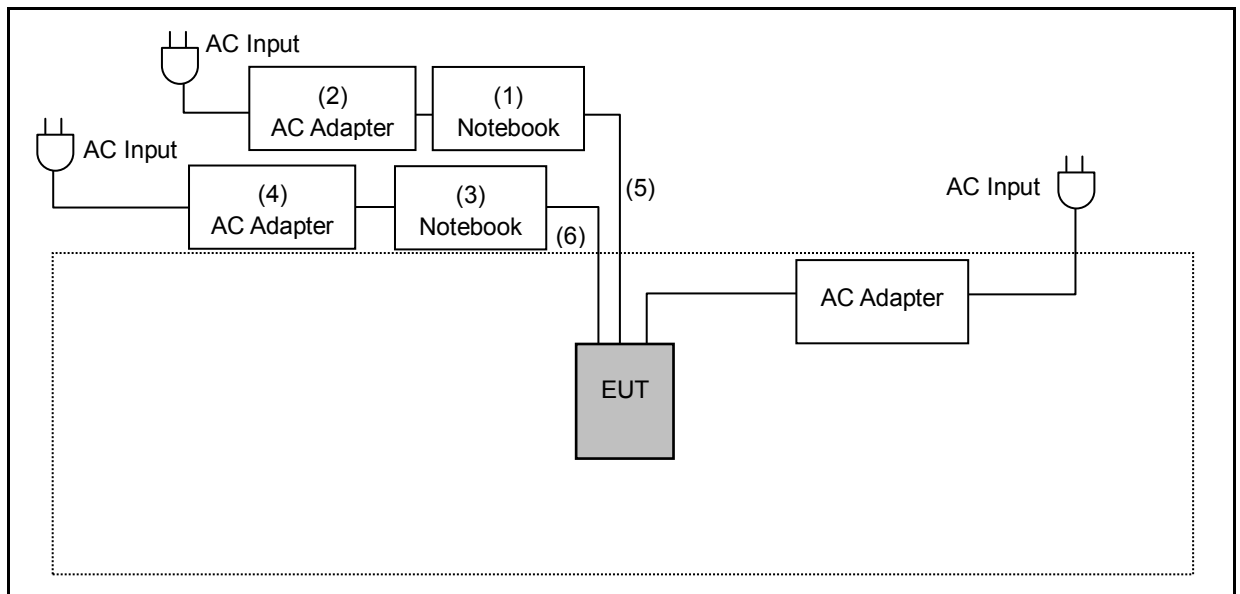
3.3. Configuration of Test System Details

Conducted Emission



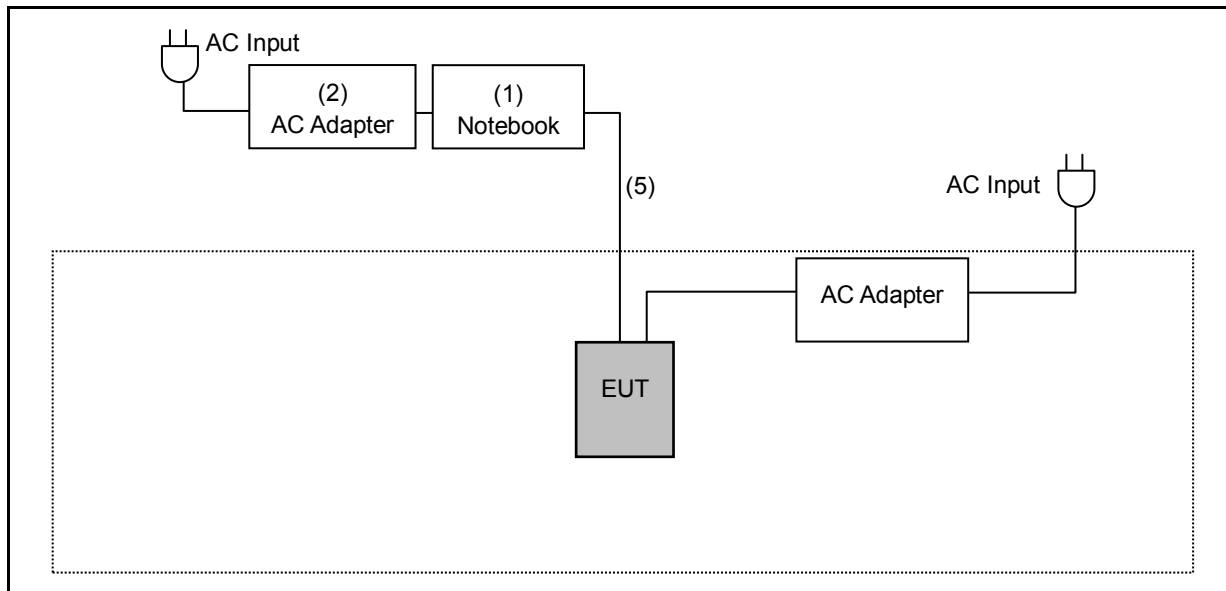
Radiated Emission

Below 1 GHz



Radiated Emission

Above 1 GHz



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	DELL	LATITUDE E6440	5HZBD72	---
(2)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(3)	Notebook	DELL	LATITUDE E5440	BRTQXY1	---
(4)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(5)	LAN Cable	HUAWEI	HUAWEI UL2464	---	---
(6)	LAN Cable	HUAWEI	HUAWEI UL2464	---	---

3.4. Test Instruments

For Conducted Emission

Test Period: Jun. 05, 2020

Testing Engineer: Louis Shen

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/23/2020	1 year
LISN	R&S	ENV216	101040	03/23/2020	1 year
LISN	R&S	ENV216	101041	04/06/2020	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/26/2020	1 year

For Radiated Emissions

Test Period: Nov. 15, 2019 ~ Jun. 08, 2020

Testing Engineer: Ricky Liu, Andy Lu, Marc Ye, Js liao

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/14/2019	1 year
				01/13/2020	
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
				01/15/2020	
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
				03/27/2020	
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2019	1 year
				02/20/2020	
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
				02/20/2020	

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



For Conducted

Test Period: Apr. 08 ~ Apr. 09, 2020

Testing Engineer: Negi Chiu

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	20-30
Humidity (%RH)	25-75	45-75
Barometric pressure (mbar)	860-1060	990-1005

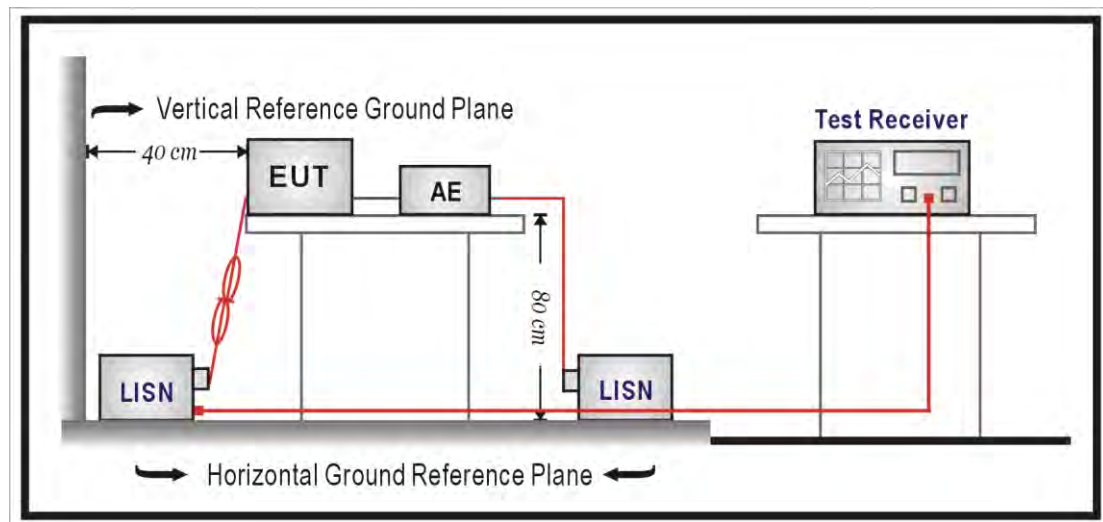
4 Measurement Procedure

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

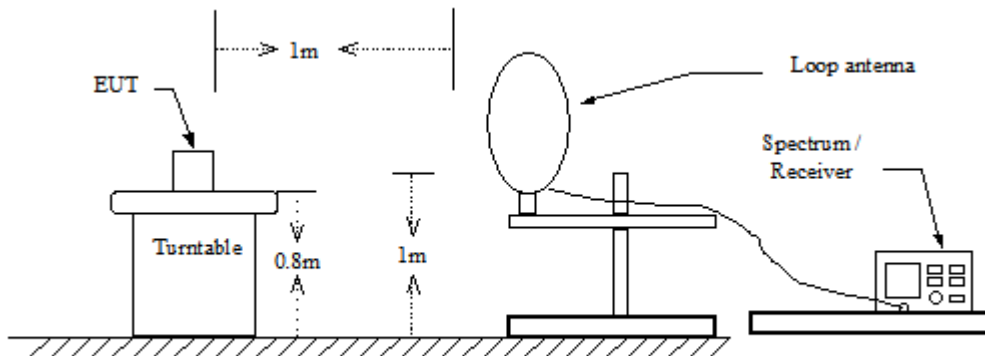
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

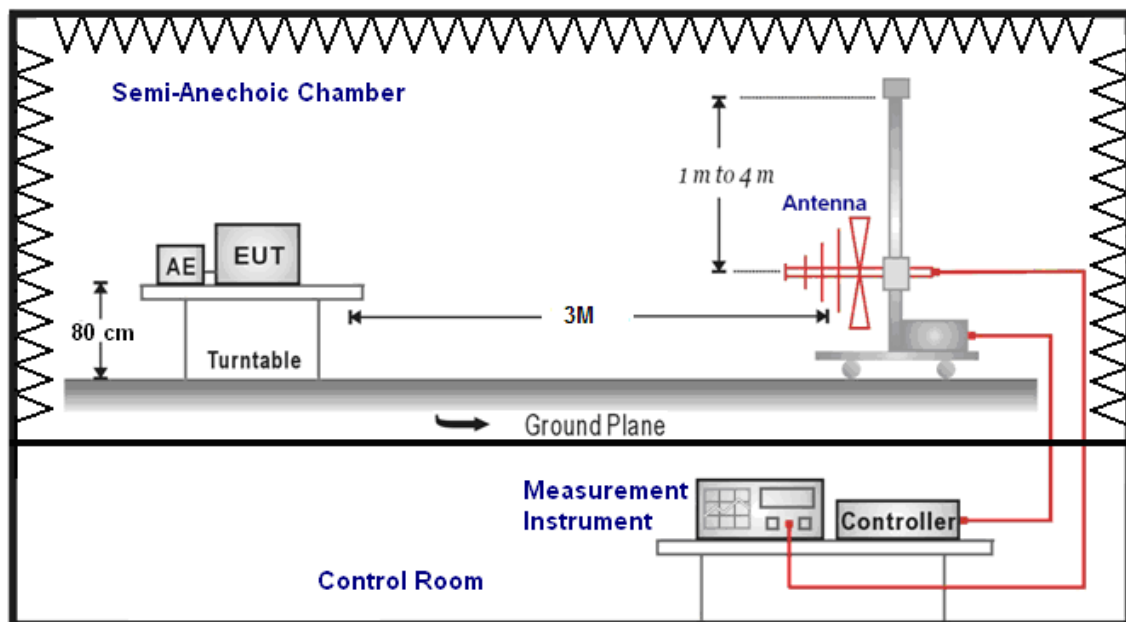
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed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

■ Setup

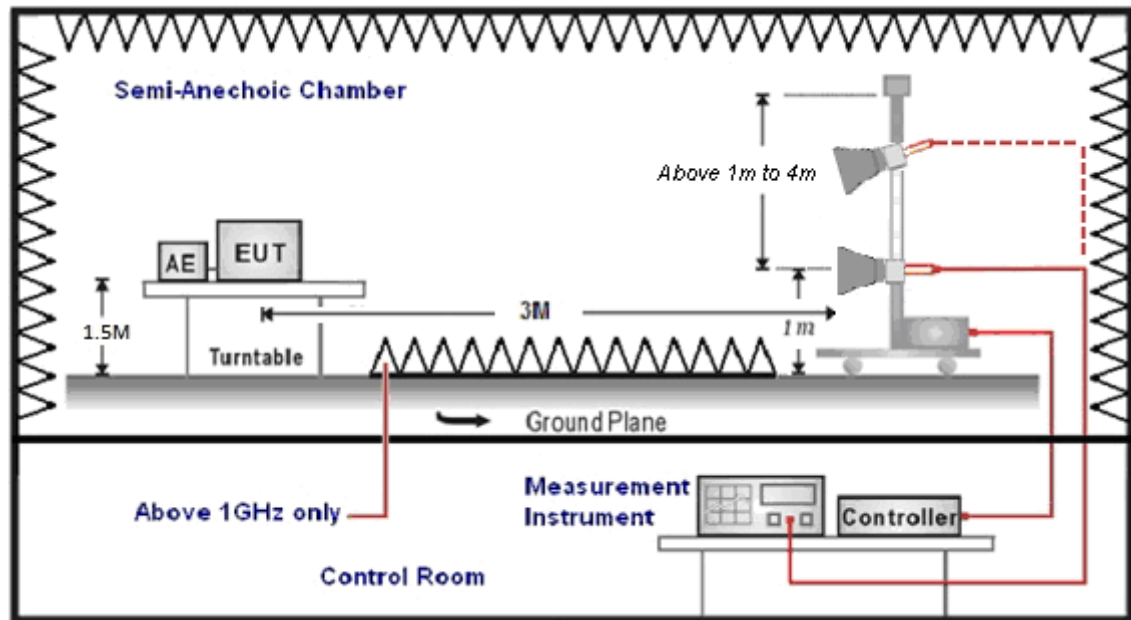
9 kHz ~ 30 MHz



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,

CDD mode:

Directional = $G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / NANT\} = 4.79 \text{ dBi} < 6 \text{ dBi}$ (5.150 ~ 5.250 GHz)

Directional = $G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / NANT\} = 4.33 \text{ dBi} < 6 \text{ dBi}$ (5.725 ~ 5.850 GHz)

MIMO / BF mode:

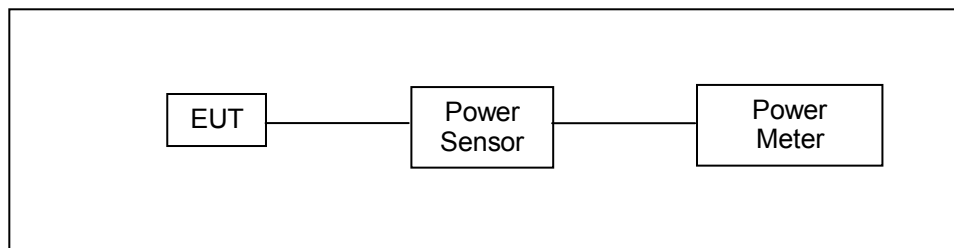
Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 7.8 \text{ dBi} > 6 \text{ dBi}$

* power limit shall be reduced = $30 - 1.8 = 28.2 \text{ dBm}$ (5.150 ~ 5.250 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 7.33 \text{ dBi} > 6 \text{ dBi}$

* power limit shall be reduced = $30 - 1.33 = 28.67 \text{ dBm}$ (5.725 ~ 5.850 GHz)

■ 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)

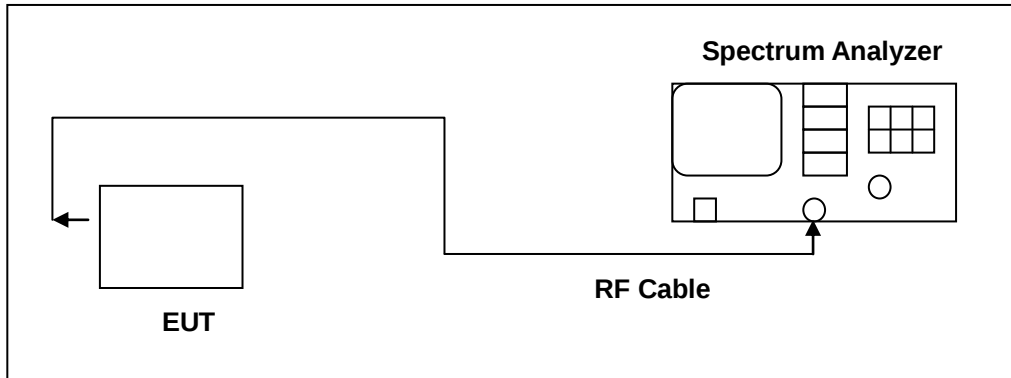
b) Method PM-G (Measurement using a gated RF average power meter)

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

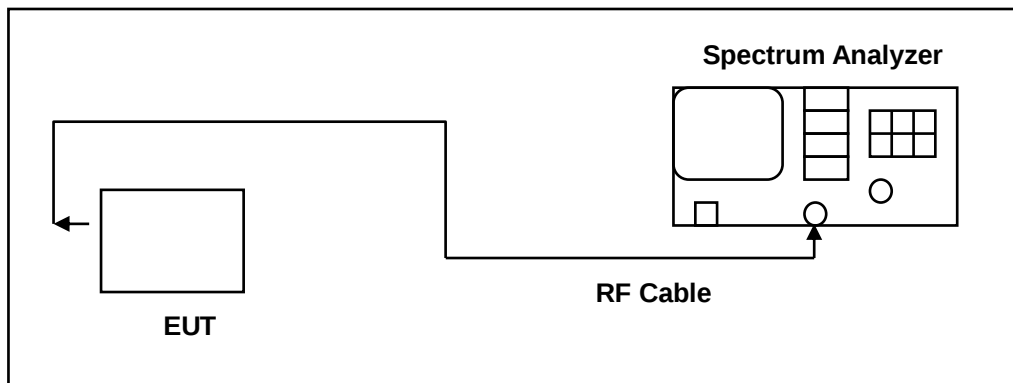
4.5. 6 dB RF Bandwidth Measurement

■ 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

Frequency Range (MHz)	FCC Limit
	Master
5.150 ~ 5.250 GHz	17 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,

CDD/MIMO/BF mode:

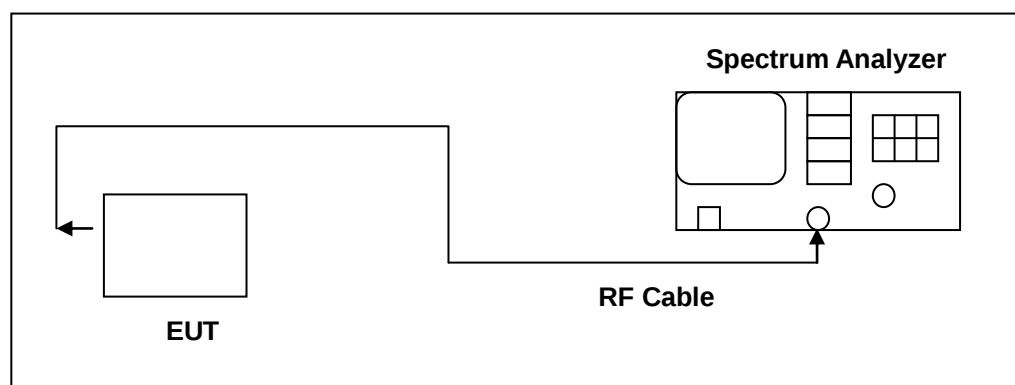
Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\} = 7.8 \text{ dBi} > 6 \text{ dBi}$

* power spectral density limit shall be reduced = $17 - 1.8 = 15.2 \text{ dBm/MHz}$ (5.150 ~ 5.250 GHz)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\} = 7.33 \text{ dBi} > 6 \text{ dBi}$

* power spectral density limit shall be reduced = $30 - 1.33 = 28.67 \text{ dBm/500 kHz}$ (5.725 ~ 5.850 GHz)

■ 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	4.79
	U-NII Band III	4.33
IEEE 802.11ac 20 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 40 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 80 MHz	U-NII Band I	7.80
	U-NII Band III	7.33

For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 40 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 80 MHz	U-NII Band I	7.80
	U-NII Band III	7.33



Beamforming on

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 40 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 80 MHz	U-NII Band I	7.80
	U-NII Band III	7.33

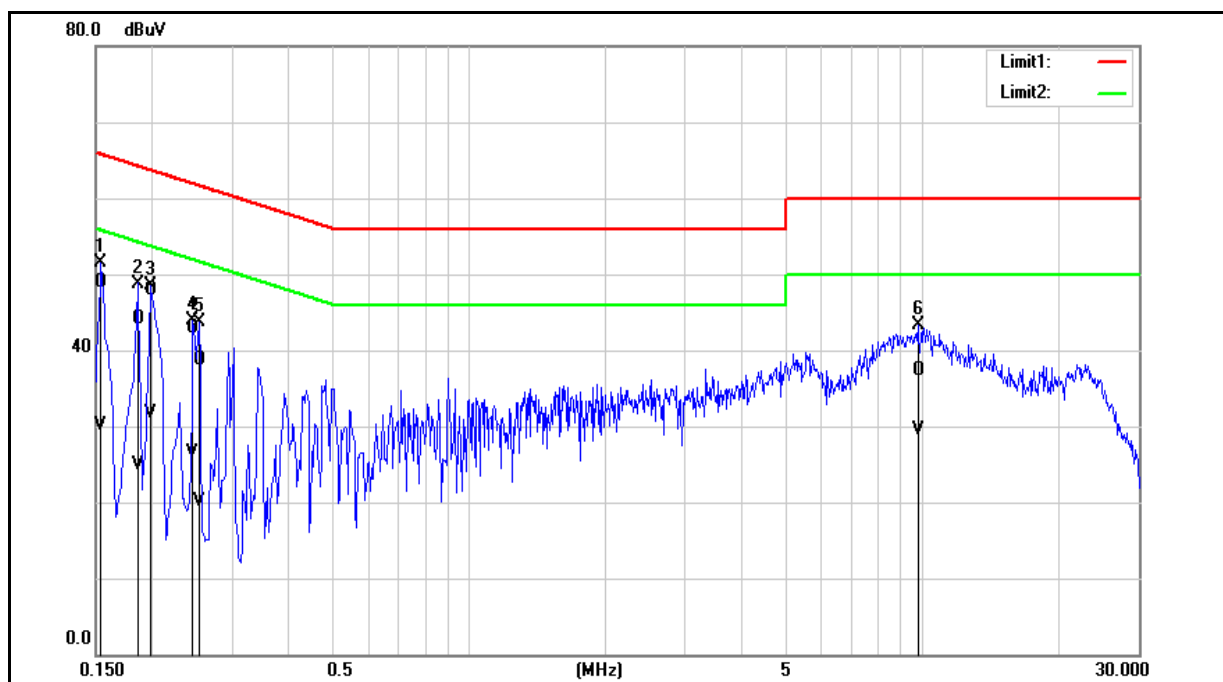
For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 40 MHz	U-NII Band I	7.80
	U-NII Band III	7.33
IEEE 802.11ac 80 MHz	U-NII Band I	7.80
	U-NII Band III	7.33

5 Test Results

Annex A. Conducted Emission

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

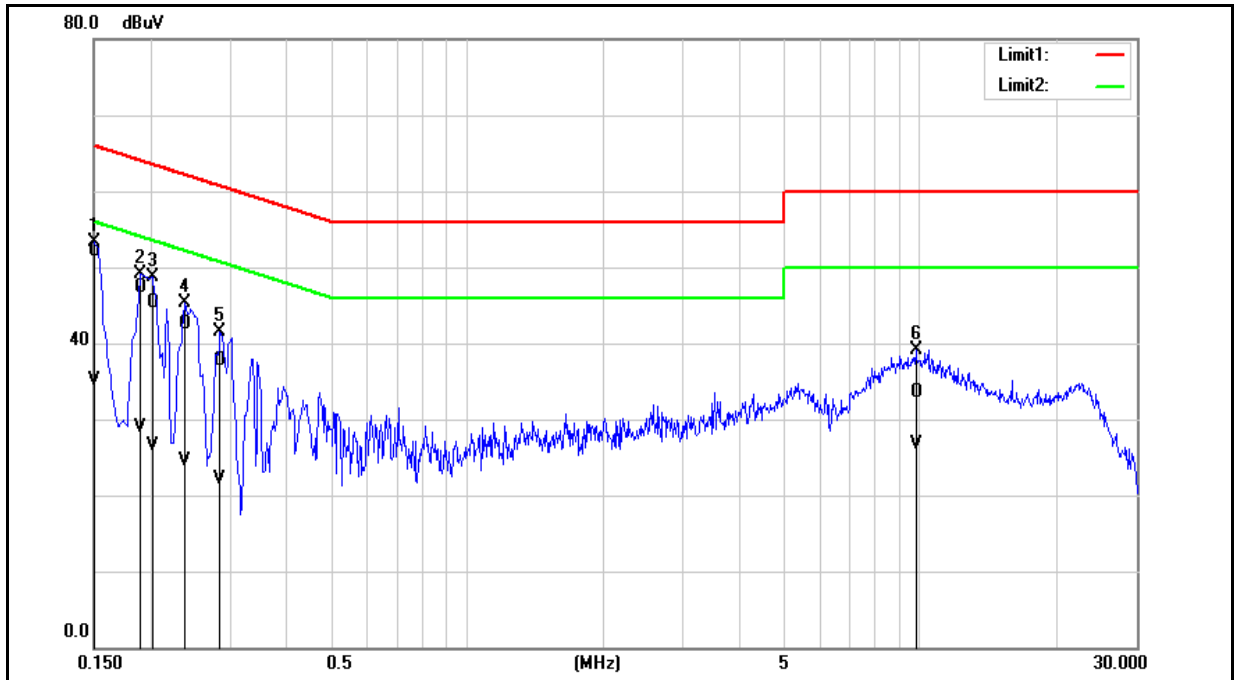


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	39.25	20.36	9.70	48.95	30.06	65.78	55.78	-16.83	-25.72	Pass
2	0.1860	34.43	15.20	9.70	44.13	24.90	64.21	54.21	-20.08	-29.31	Pass
3	0.1980	38.14	21.99	9.70	47.84	31.69	63.69	53.69	-15.85	-22.00	Pass
4	0.2460	33.27	16.89	9.70	42.97	26.59	61.89	51.89	-18.92	-25.30	Pass
5	0.2540	29.00	10.44	9.70	38.70	20.14	61.63	51.63	-22.93	-31.49	Pass
6	9.7740	27.47	19.65	9.88	37.35	29.53	60.00	50.00	-22.65	-20.47	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
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	42.48	25.32	9.69	52.17	35.01	66.00	56.00	-13.83	-20.99	Pass
2	0.1900	37.60	19.12	9.69	47.29	28.81	64.04	54.04	-16.75	-25.23	Pass
3	0.2020	35.62	16.87	9.69	45.31	26.56	63.53	53.53	-18.22	-26.97	Pass
4	0.2380	32.85	14.74	9.69	42.54	24.43	62.17	52.17	-19.63	-27.74	Pass
5	0.2860	27.96	12.35	9.70	37.66	22.05	60.64	50.64	-22.98	-28.59	Pass
6	9.7980	23.54	16.85	9.88	33.42	26.73	60.00	50.00	-26.58	-23.27	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

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Radiated Emission		Power:		AC 120 V/60 Hz	
Frequency:		5200 MHz		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Mode:		Mode 3					
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
155.1300	30.90	-5.57	25.33	43.50	-18.17	QP	H
383.0800	28.24	-2.53	25.71	46.00	-20.29	QP	H
516.9400	31.93	0.26	32.19	46.00	-13.81	QP	H
522.7600	31.39	0.40	31.79	46.00	-14.21	QP	H
775.9300	29.42	5.53	34.95	46.00	-11.05	QP	H
863.2300	27.43	6.90	34.33	46.00	-11.67	QP	H
91.1100	38.96	-11.90	27.06	43.50	-16.44	QP	V
159.9800	31.04	-5.41	25.63	43.50	-17.87	QP	V
516.9400	35.02	0.26	35.28	46.00	-10.72	QP	V
522.7600	33.02	0.40	33.42	46.00	-12.58	QP	V
777.8700	28.97	5.55	34.52	46.00	-11.48	QP	V
862.2600	28.15	6.88	35.03	46.00	-10.97	QP	V

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

Example: 25.33 = -5.57 + 30.90

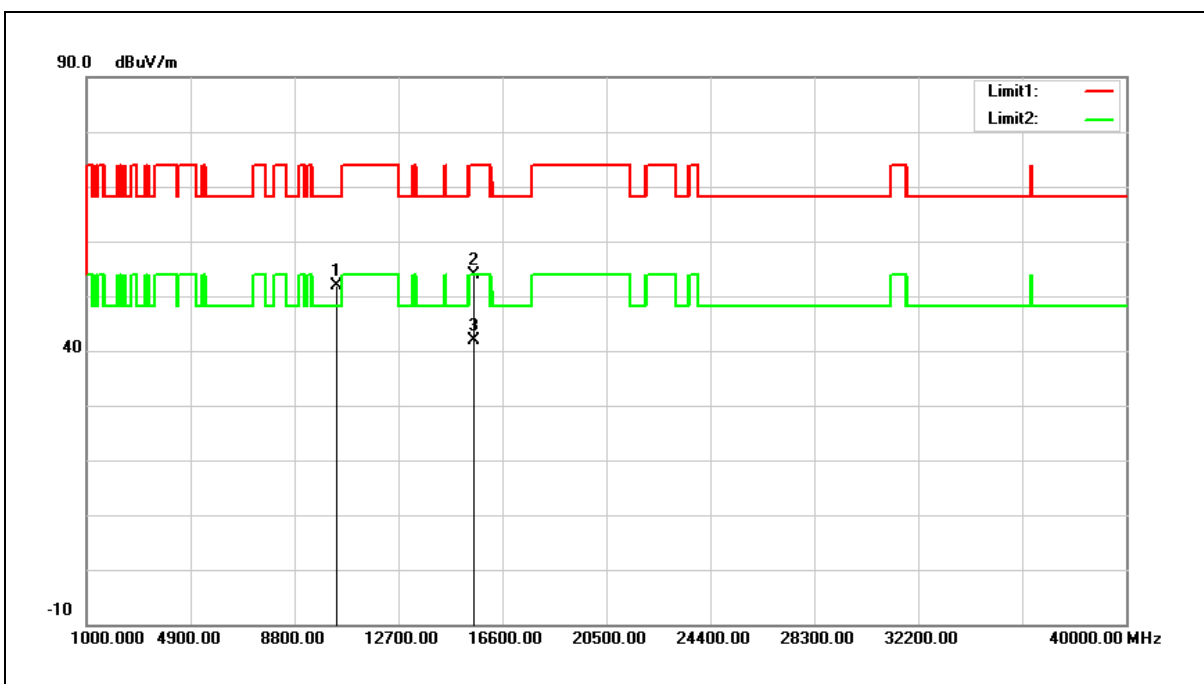
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

Standard:	FCC Part 15.407	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	34.45	17.33	51.78	68.20	-16.42	peak
2	15540.000	32.97	20.84	53.81	74.00	-20.19	peak
3	15540.000	20.99	20.84	41.83	54.00	-12.17	AVG

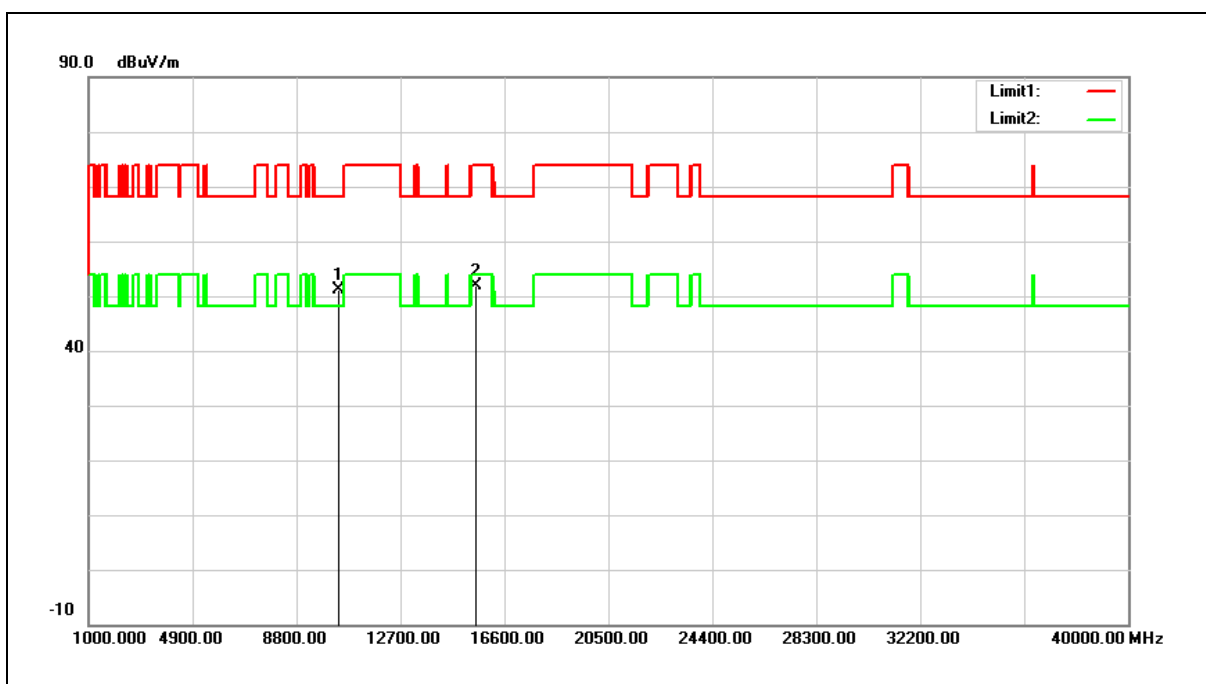
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 51.78 = 17.33 + 34.45

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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	33.80	17.33	51.13	68.20	-17.07	peak
2	15540.000	30.92	20.84	51.76	74.00	-22.24	peak

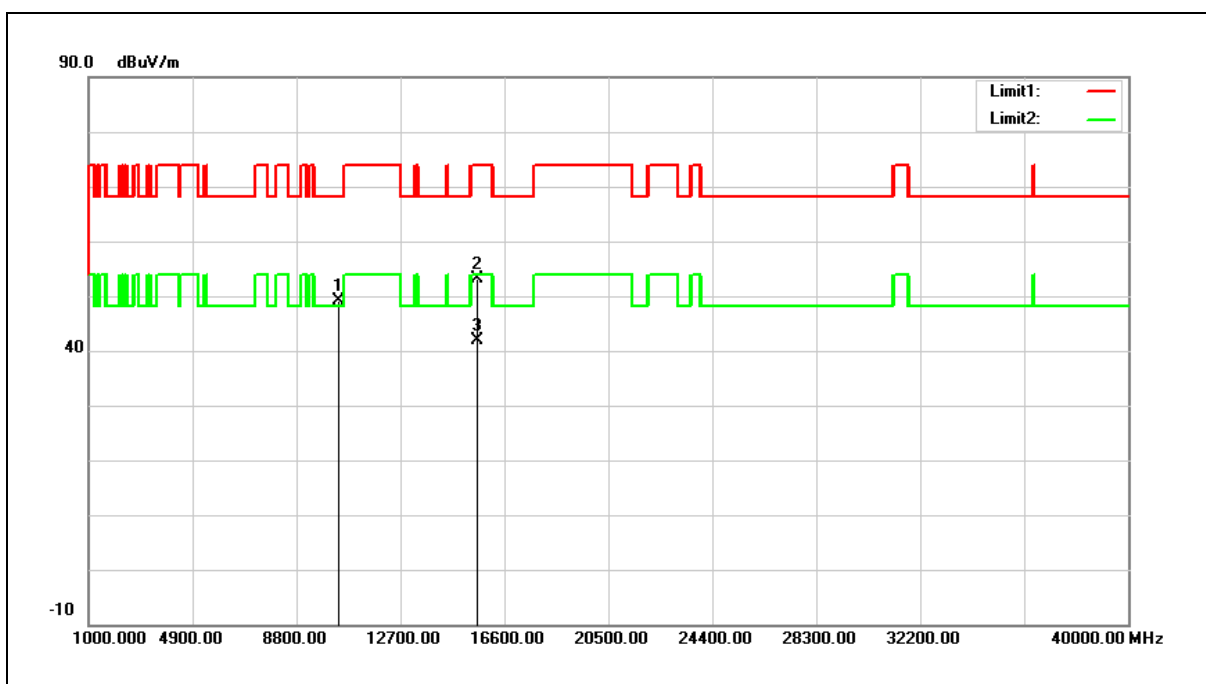
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 51.13 = 17.33 + 33.80

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



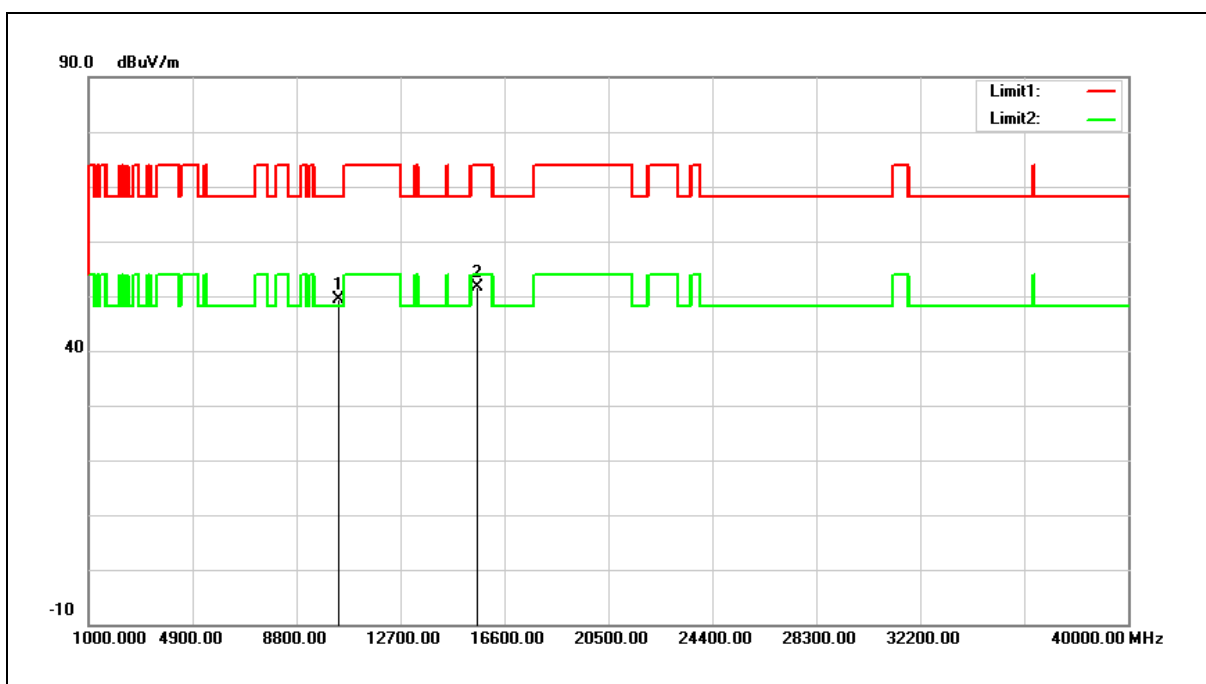
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.84	17.40	49.24	68.20	-18.96	peak
2	15600.000	32.48	20.60	53.08	74.00	-20.92	peak
3	15600.000	21.22	20.60	41.82	54.00	-12.18	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



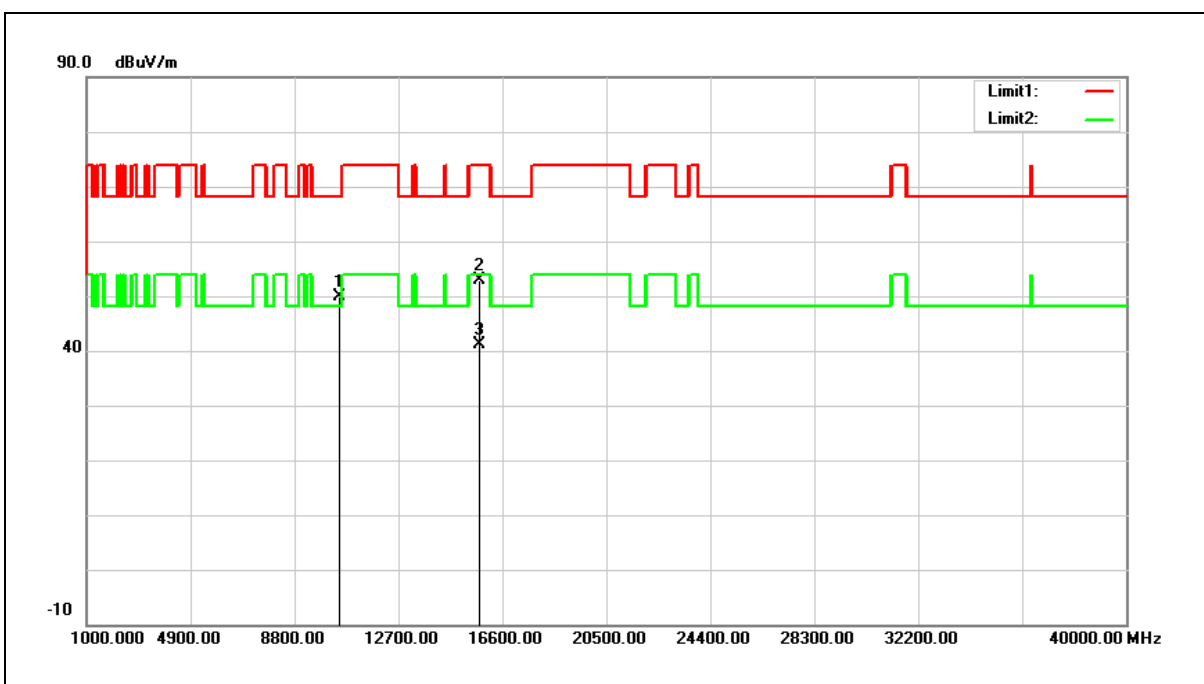
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.01	17.40	49.41	68.20	-18.79	peak
2	15600.000	31.03	20.60	51.63	74.00	-22.37	peak

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

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

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

Standard:	FCC Part 15.407	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		



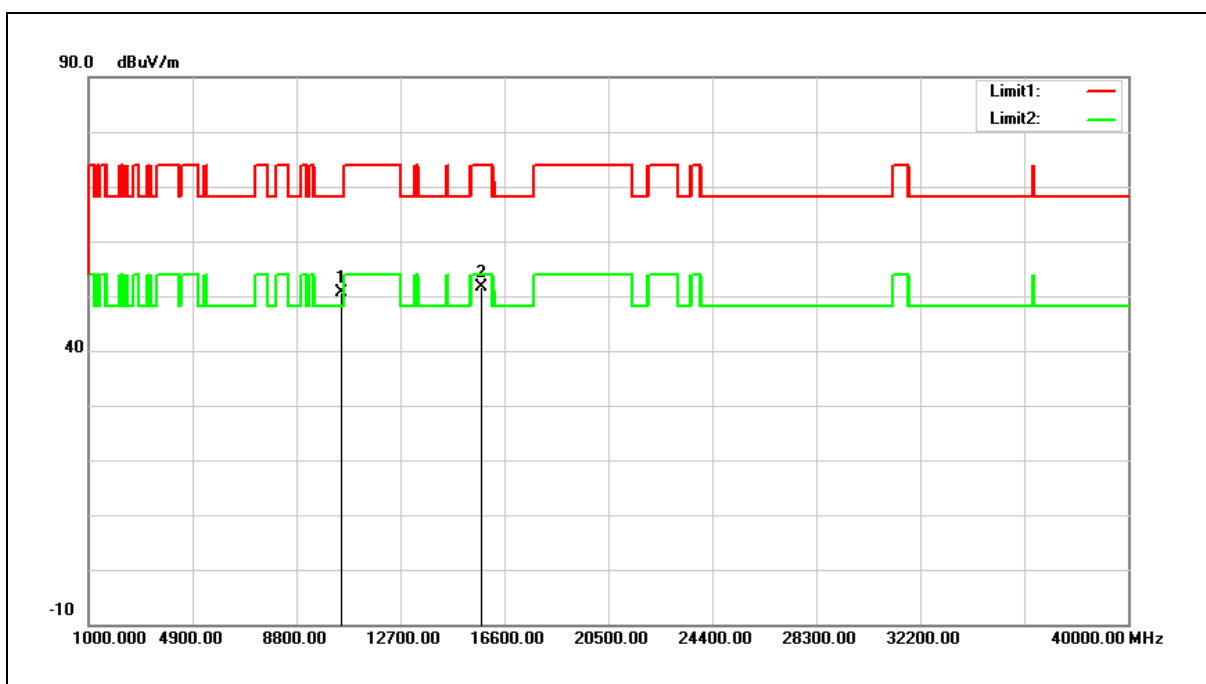
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.16	17.64	49.80	68.20	-18.40	peak
2	15720.000	32.52	20.30	52.82	74.00	-21.18	peak
3	15720.000	20.95	20.30	41.25	54.00	-12.75	AVG

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

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

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

Standard:	FCC Part 15.407	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		



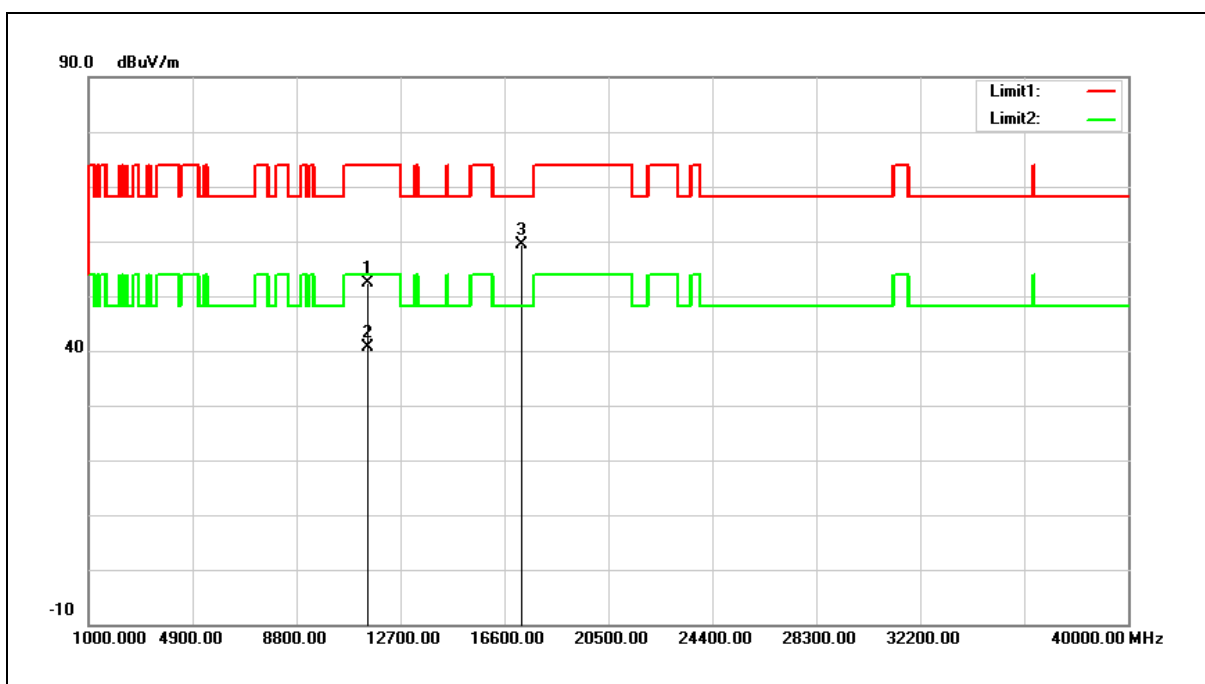
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.97	17.64	50.61	68.20	-17.59	peak
2	15720.000	31.44	20.30	51.74	74.00	-22.26	peak

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:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



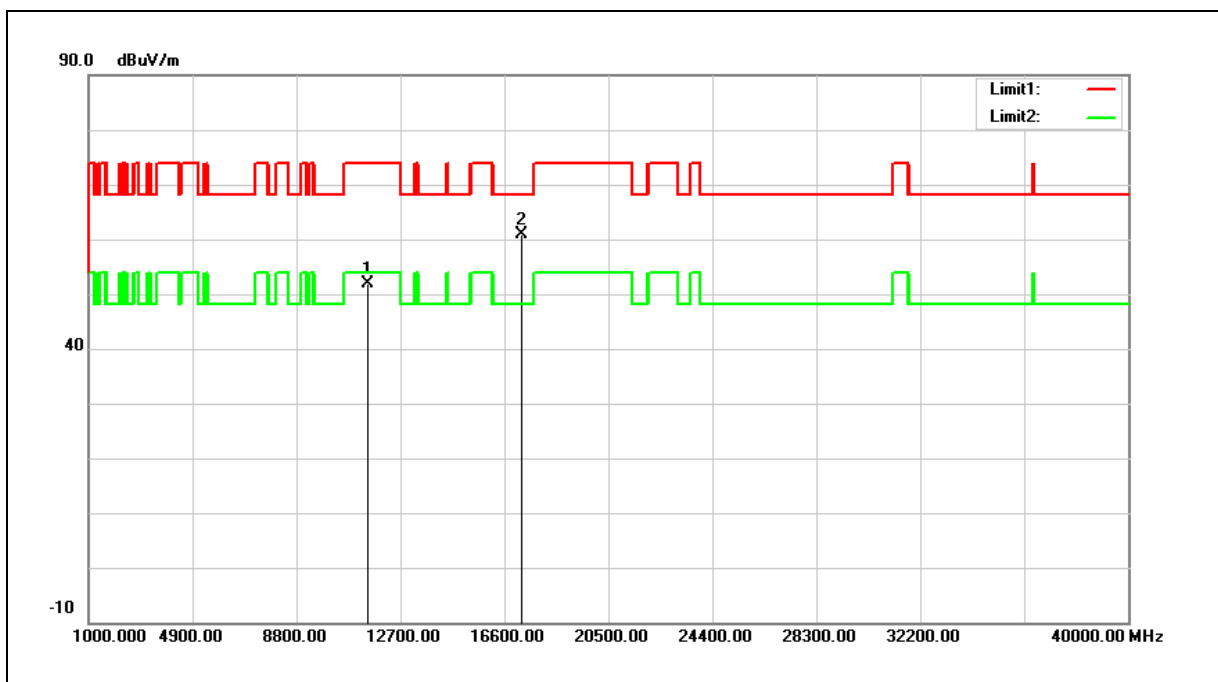
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.18	19.30	52.48	74.00	-21.52	peak
2	11490.000	21.45	19.30	40.75	54.00	-13.25	AVG
3	17235.000	34.25	25.04	59.29	68.20	-8.91	peak

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		



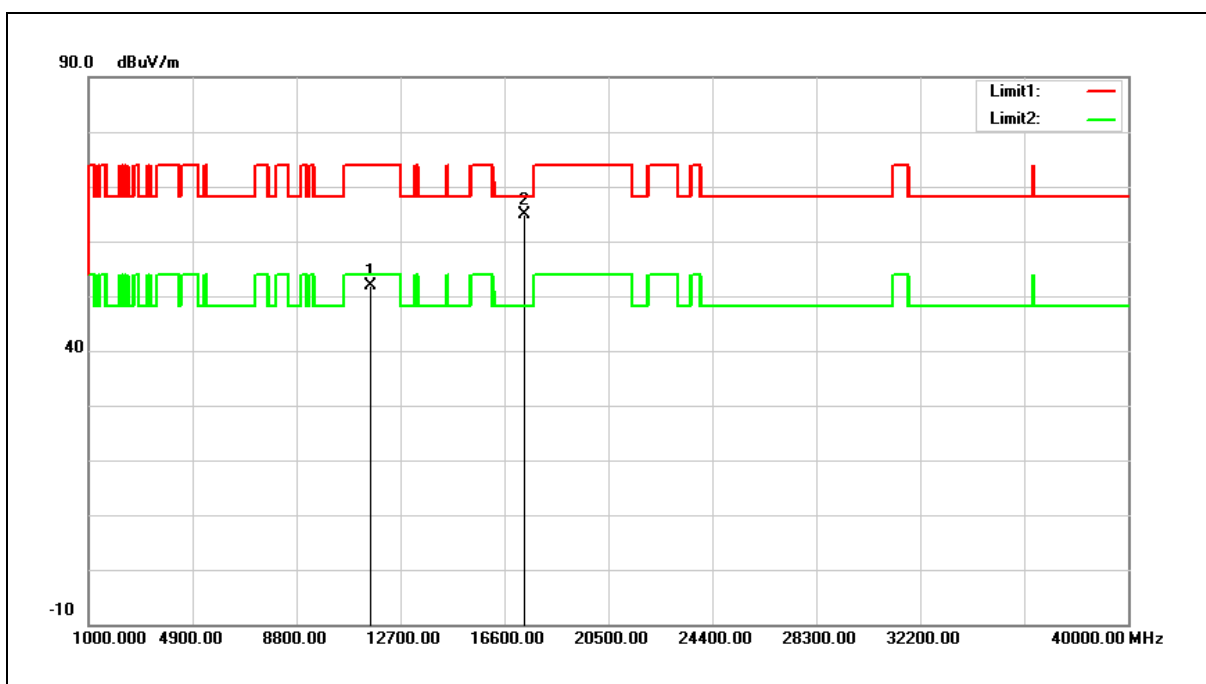
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.64	19.30	51.94	74.00	-22.06	peak
2	17235.000	35.83	25.04	60.87	68.20	-7.33	peak

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

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

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

Standard:	FCC Part 15.407	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		



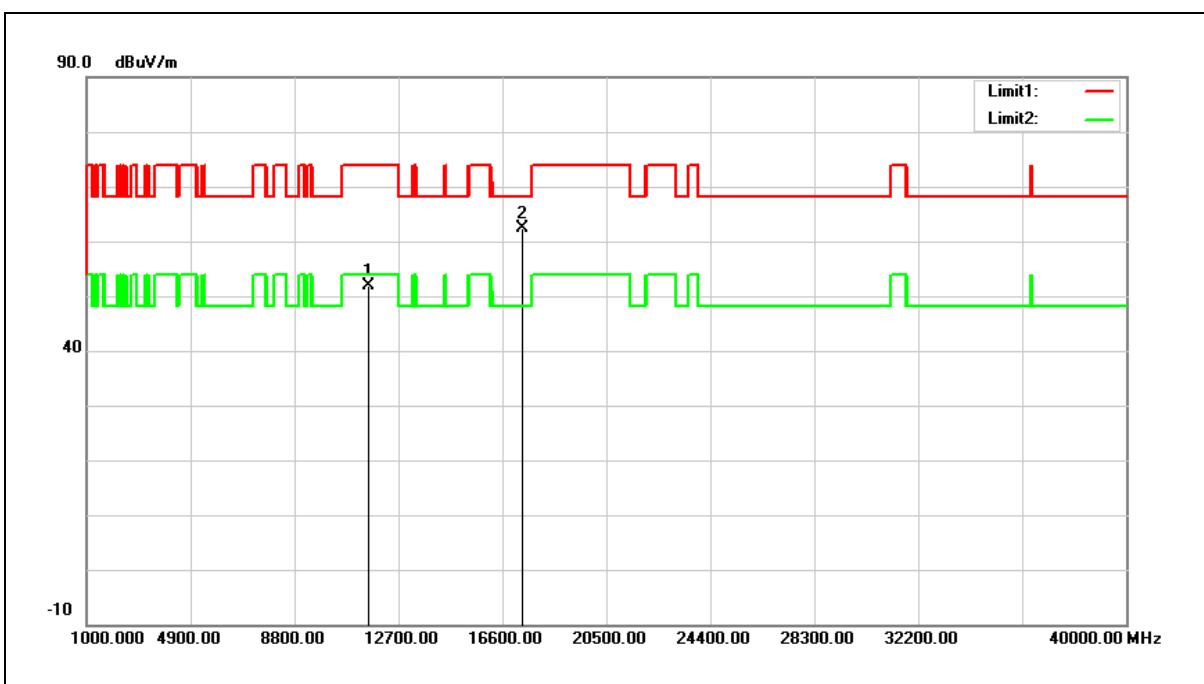
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.61	19.39	52.00	74.00	-22.00	peak
2	17355.000	39.46	25.34	64.80	68.20	-3.40	peak

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

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

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

Standard:	FCC Part 15.407	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		



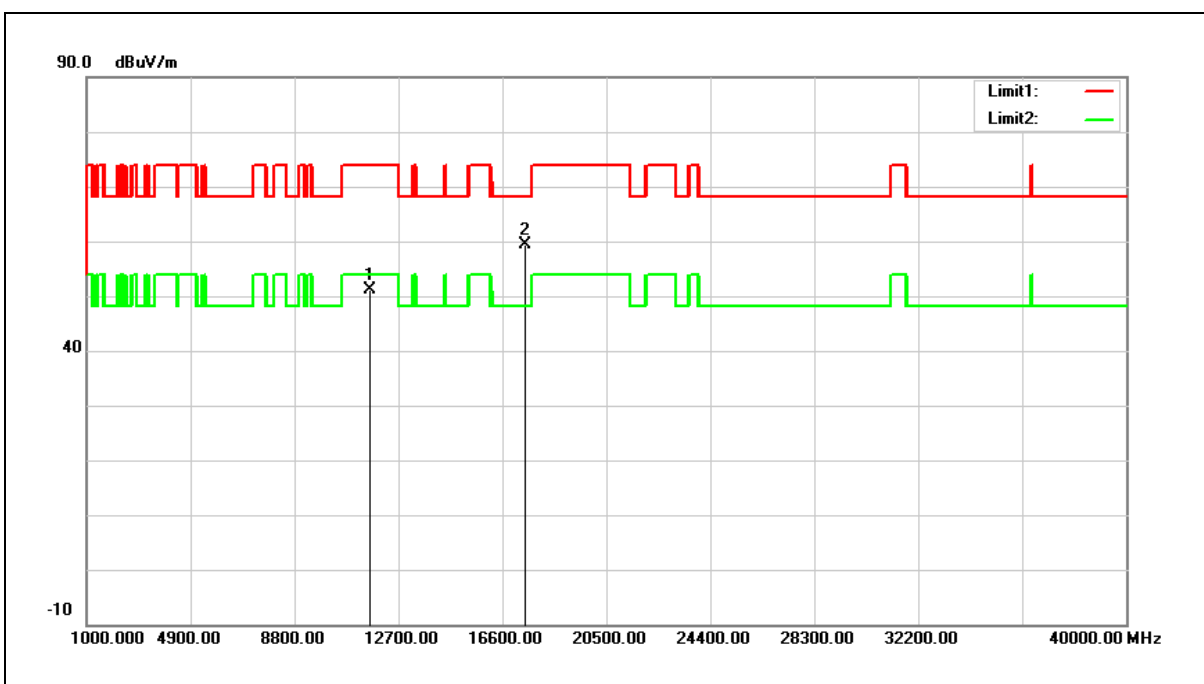
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.46	19.39	51.85	74.00	-22.15	peak
2	17355.000	37.02	25.34	62.36	68.20	-5.84	peak

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.

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		



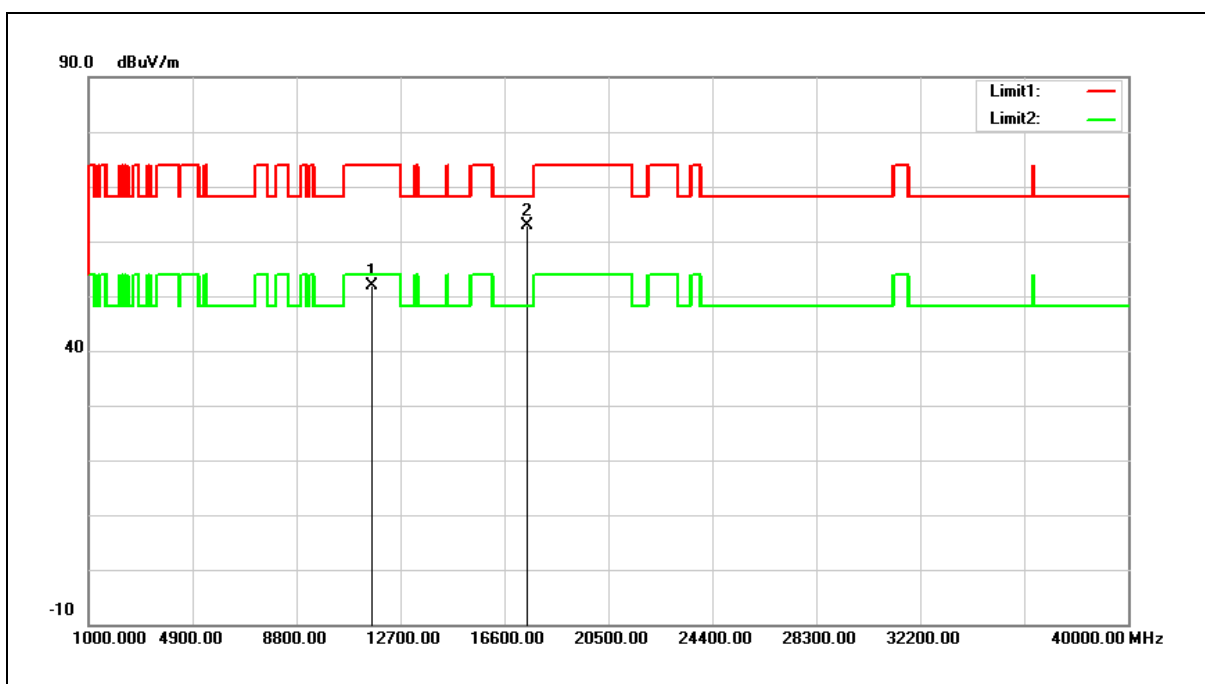
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.96	19.23	51.19	74.00	-22.81	peak
2	17475.000	33.66	25.74	59.40	68.20	-8.80	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



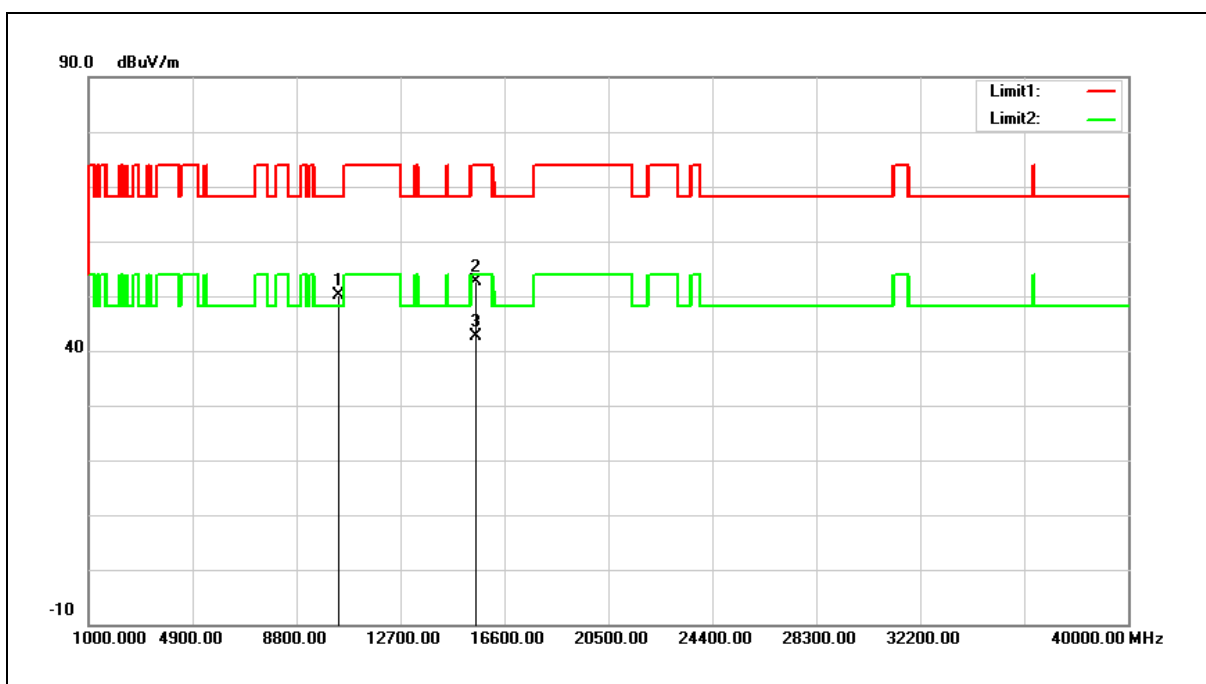
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.61	19.23	51.84	74.00	-22.16	peak
2	17475.000	37.02	25.74	62.76	68.20	-5.44	peak

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:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



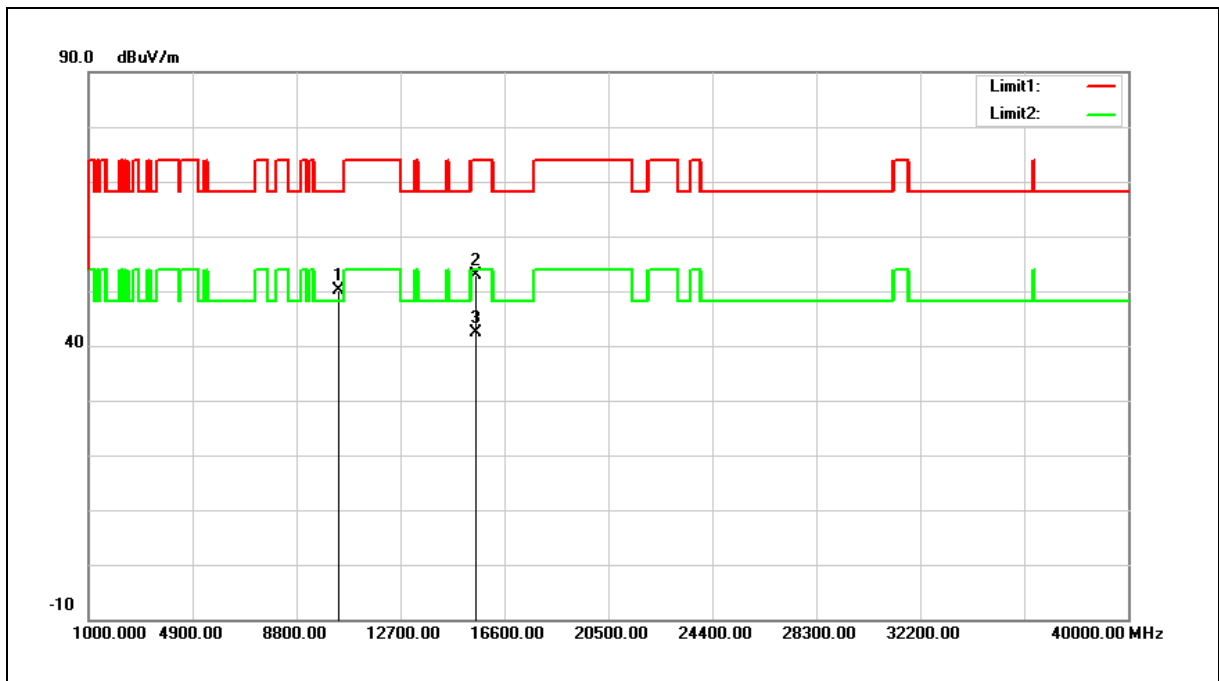
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.79	17.29	50.08	68.20	-18.12	peak
2	15540.000	31.94	20.75	52.69	74.00	-21.31	peak
3	15540.000	21.81	20.75	42.56	54.00	-11.44	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



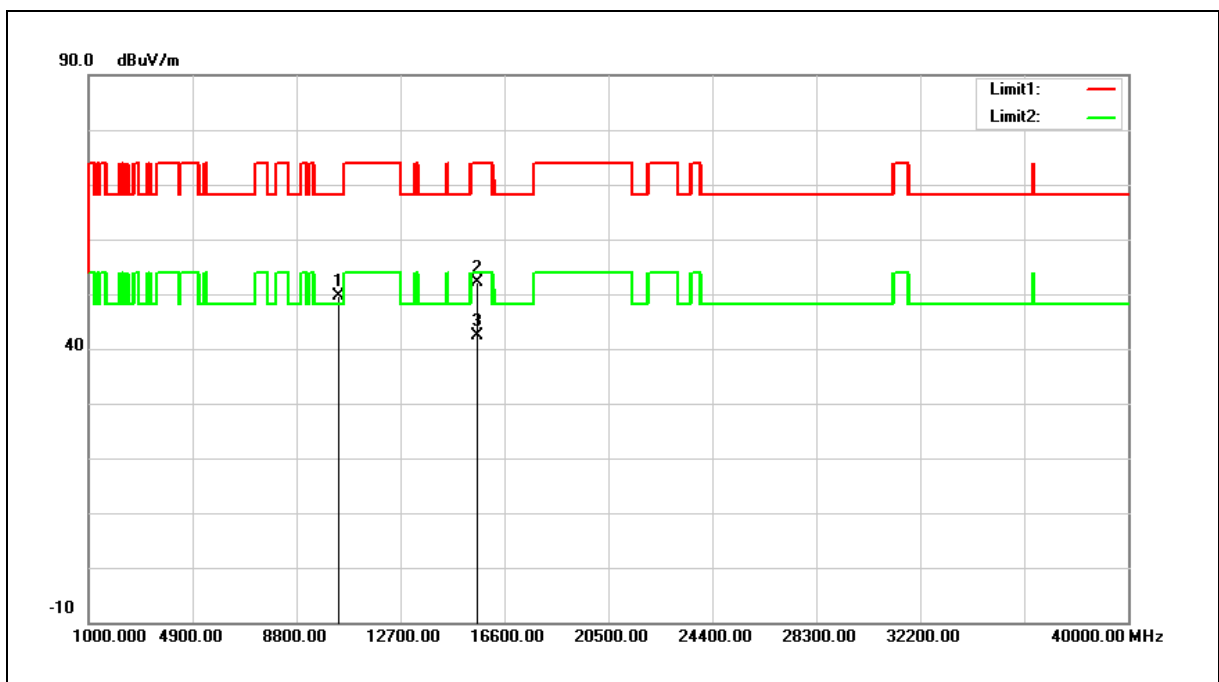
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.81	17.29	50.10	68.20	-18.10	peak
2	15540.000	32.06	20.75	52.81	74.00	-21.19	peak
3	15540.000	21.66	20.75	42.41	54.00	-11.59	AVG

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



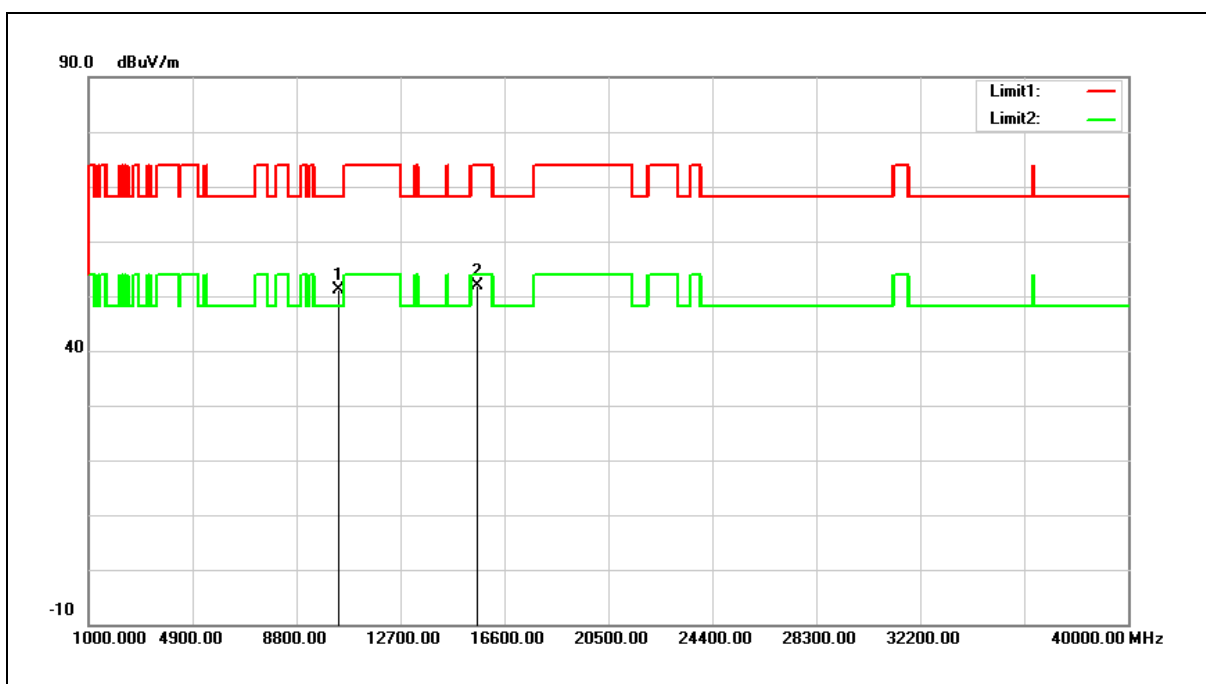
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.31	17.40	49.71	68.20	-18.49	peak
2	15600.000	31.42	20.60	52.02	74.00	-21.98	peak
3	15600.000	21.75	20.60	42.35	54.00	-11.65	AVG

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

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

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

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 3		
Ant.Polar.:	Vertical		



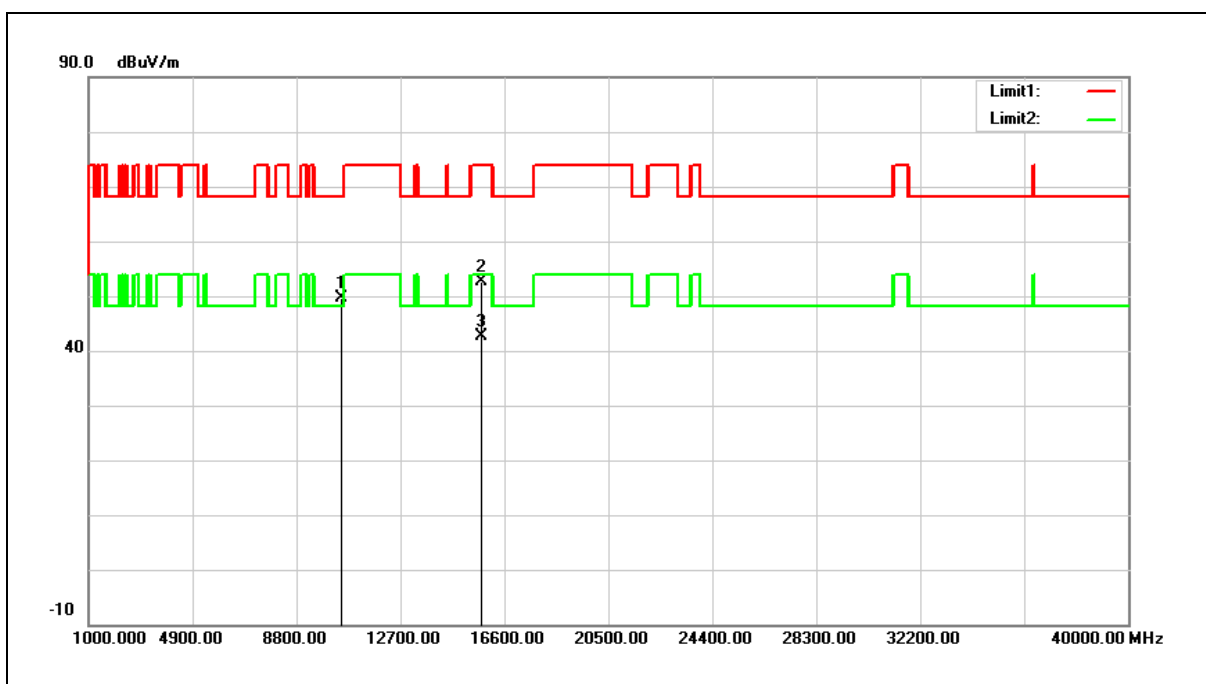
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	33.71	17.40	51.11	68.20	-17.09	peak
2	15600.000	31.38	20.60	51.98	74.00	-22.02	peak

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:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



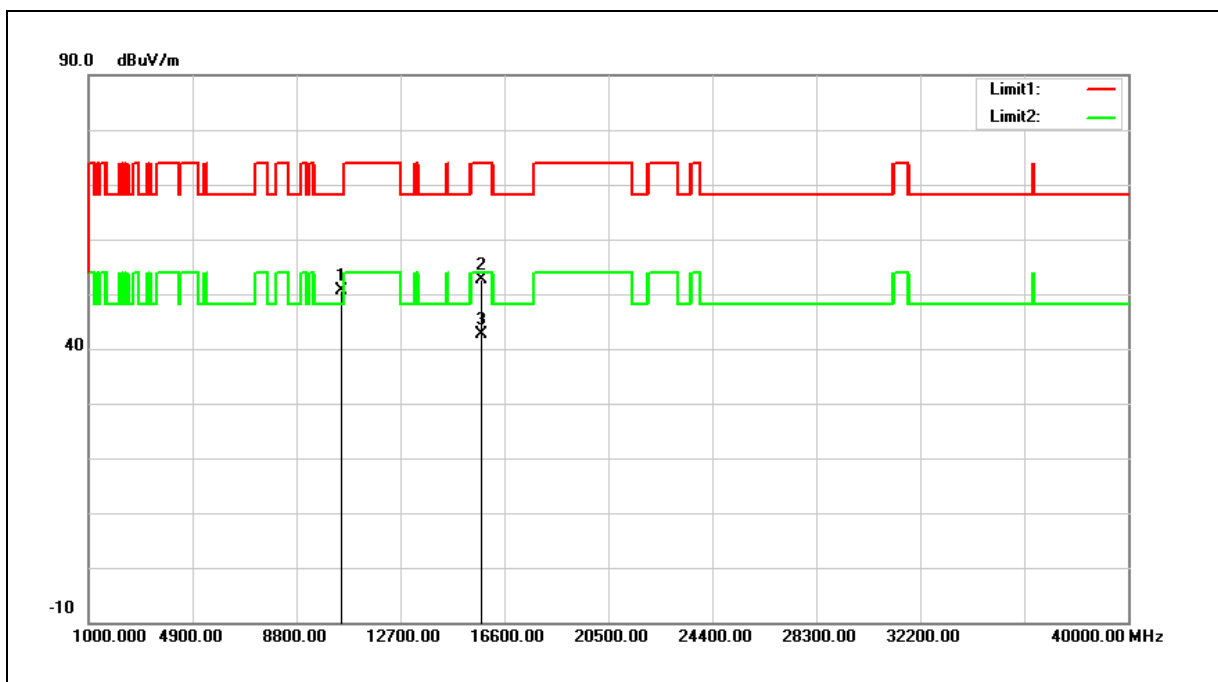
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.10	17.64	49.74	68.20	-18.46	peak
2	15720.000	32.25	20.30	52.55	74.00	-21.45	peak
3	15720.000	22.41	20.30	42.71	54.00	-11.29	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



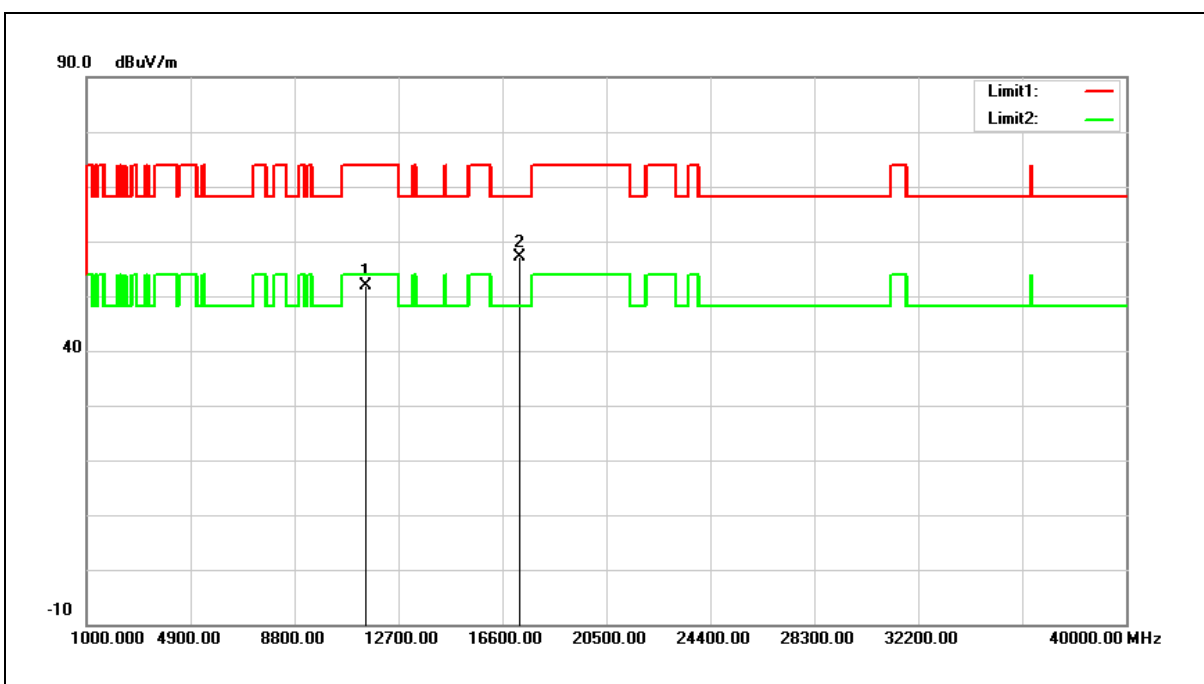
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.94	17.64	50.58	68.20	-17.62	peak
2	15720.000	32.39	20.30	52.69	74.00	-21.31	peak
3	15720.000	22.22	20.30	42.52	54.00	-11.48	AVG

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

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

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

Standard:	FCC Part 15.407	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 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.52	19.45	51.97	74.00	-22.03	peak
2	17235.000	32.24	25.01	57.25	68.20	-10.95	peak

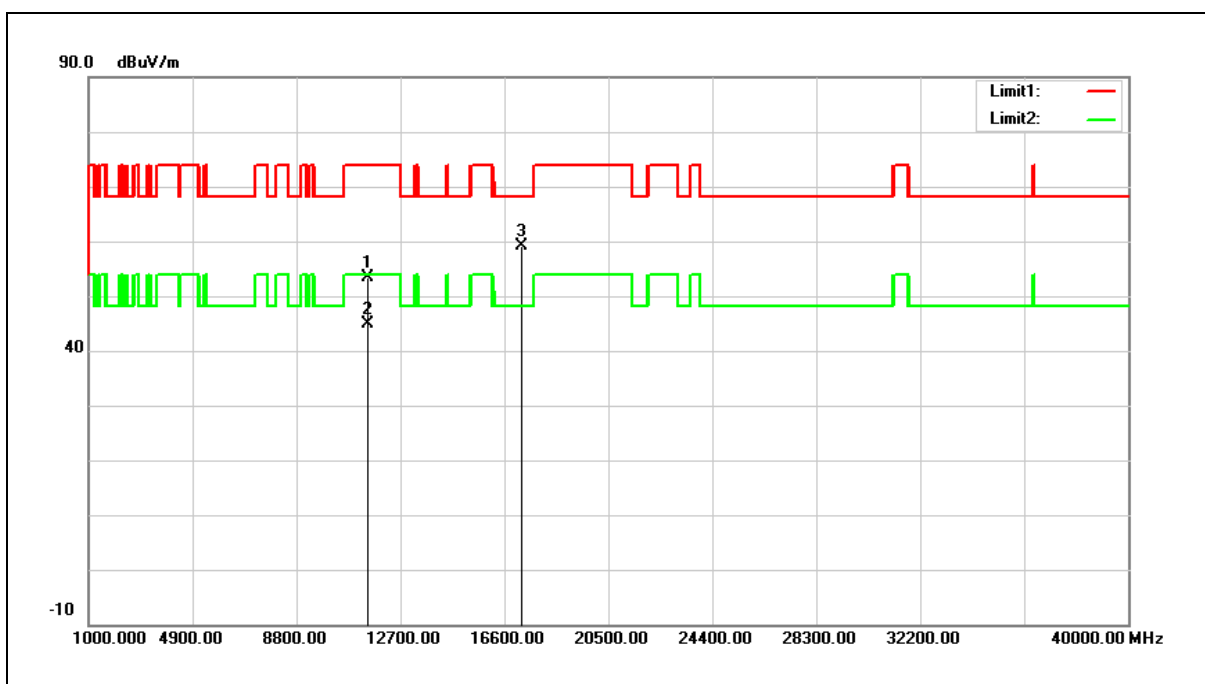
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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



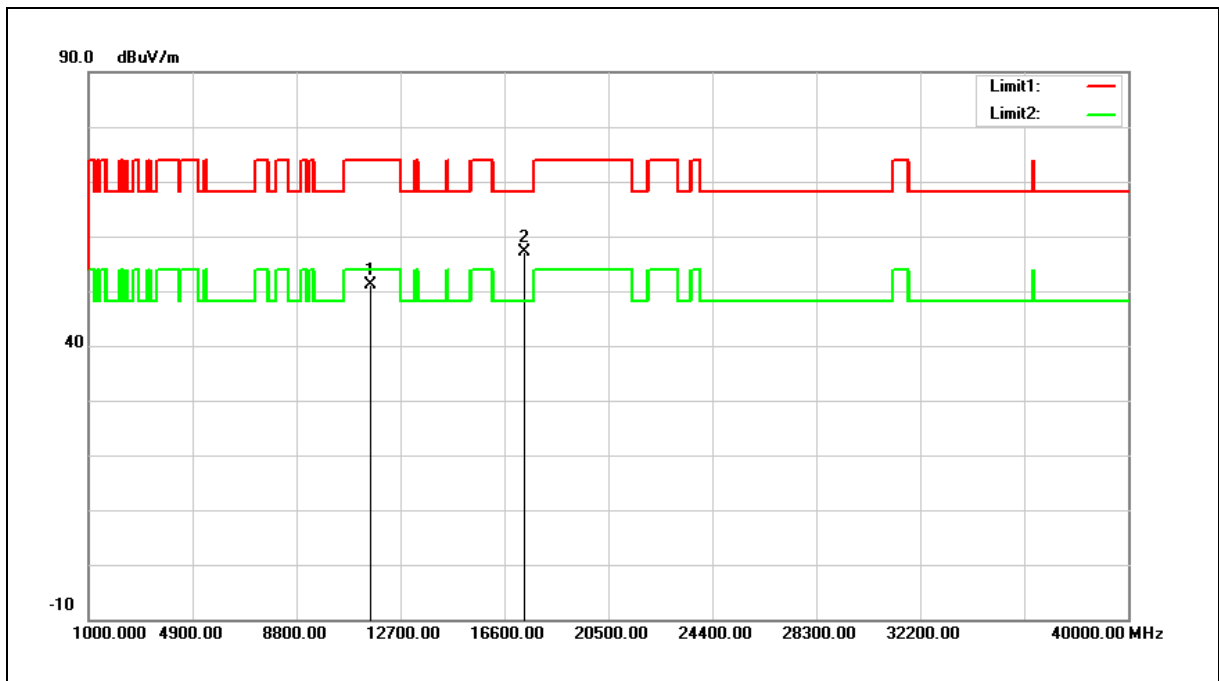
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	34.03	19.45	53.48	74.00	-20.52	peak
2	11490.000	25.35	19.45	44.80	54.00	-9.20	AVG
3	17235.000	34.01	25.01	59.02	68.20	-9.18	peak

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



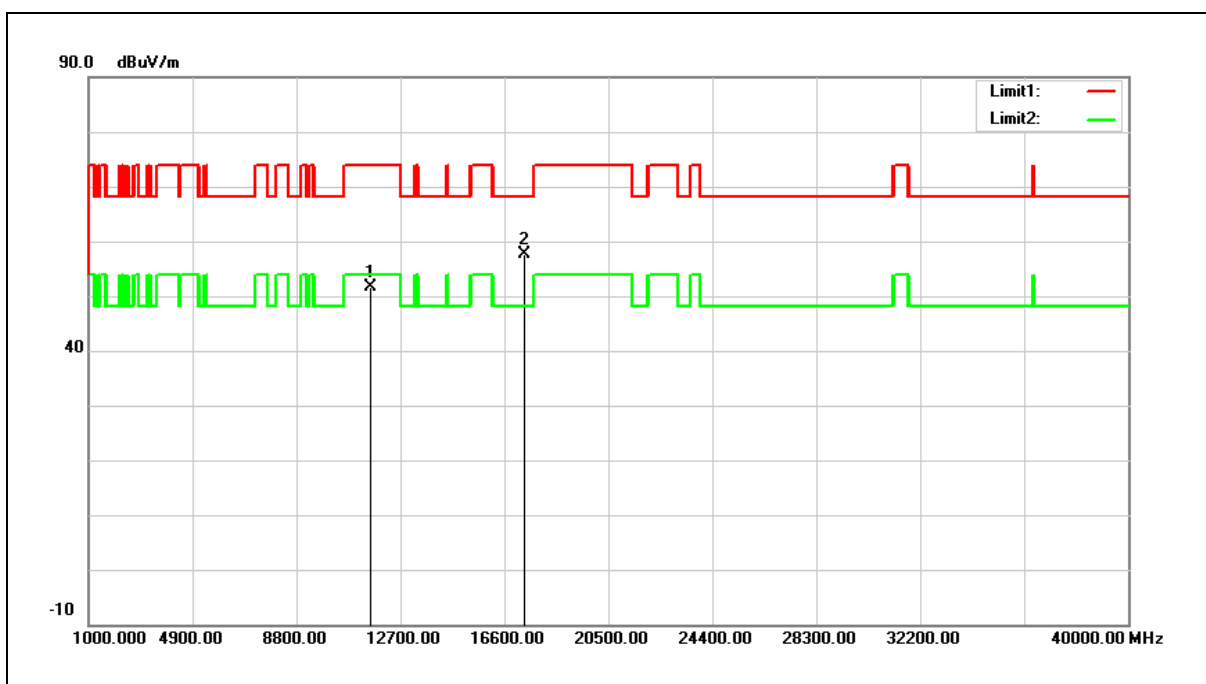
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.74	19.39	51.13	74.00	-22.87	peak
2	17355.000	31.81	25.34	57.15	68.20	-11.05	peak

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



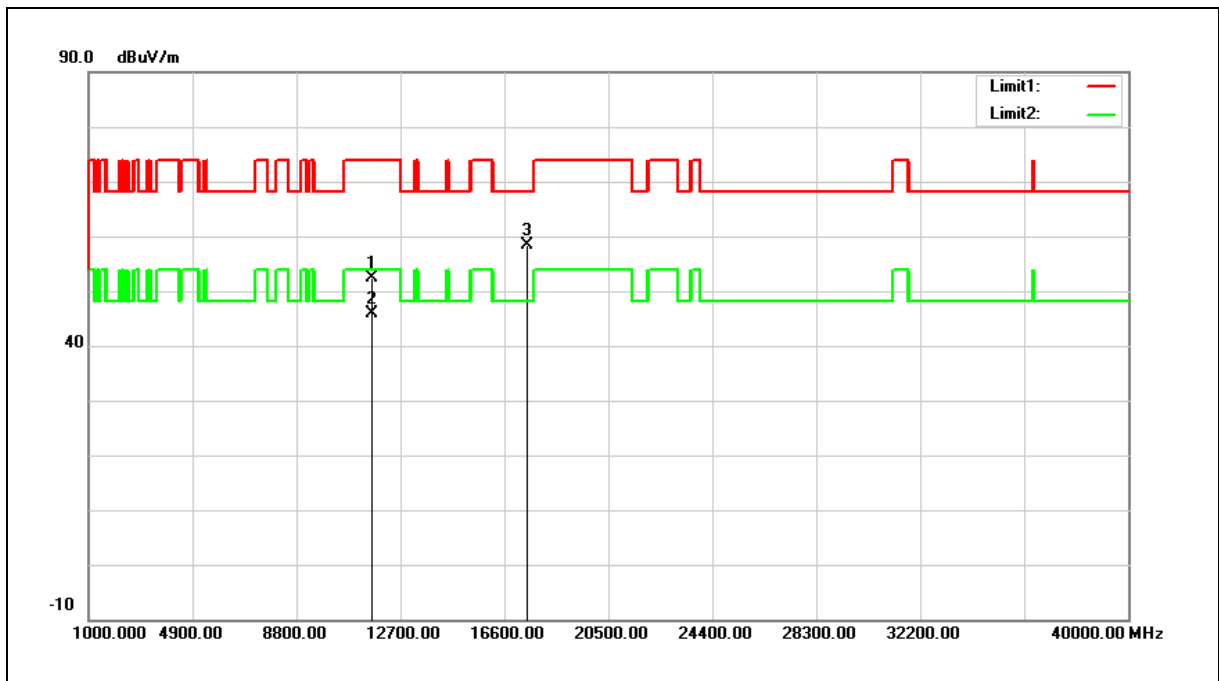
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.14	19.39	51.53	74.00	-22.47	peak
2	17355.000	32.32	25.34	57.66	68.20	-10.54	peak

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

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

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

Standard:	FCC Part 15.407	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 3		
Ant.Polar.:	Horizontal		



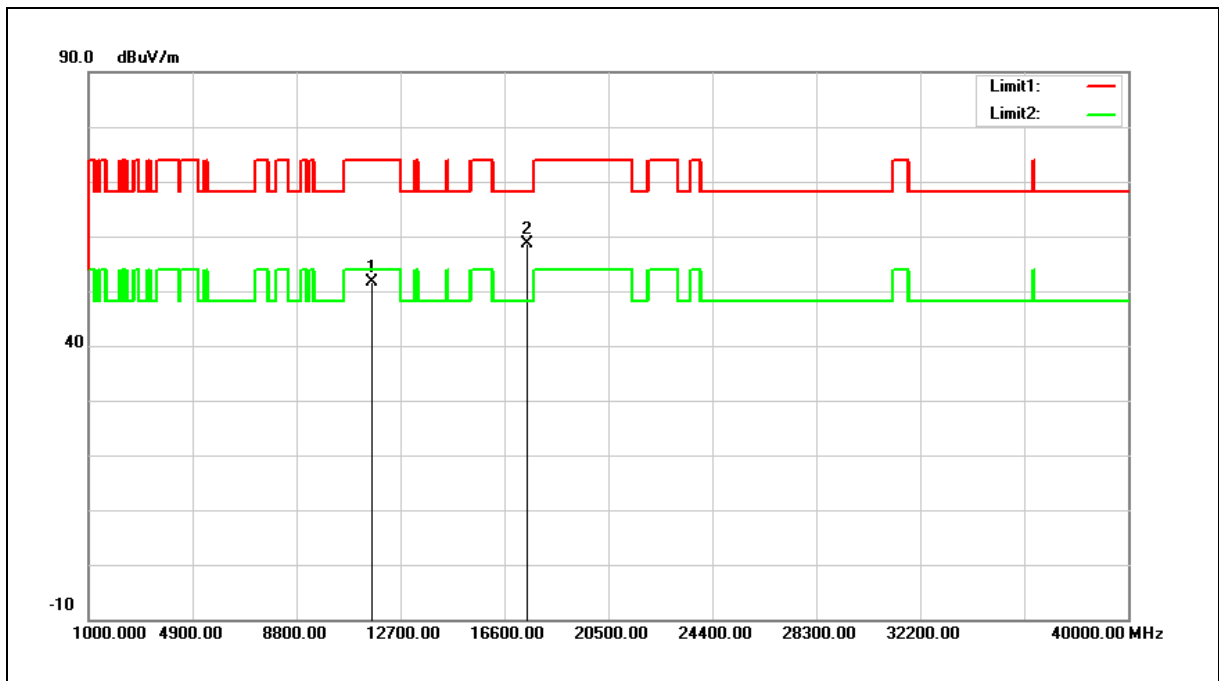
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	33.06	19.32	52.38	74.00	-21.62	peak
2	11650.000	26.47	19.32	45.79	54.00	-8.21	AVG
3	17475.000	32.72	25.65	58.37	68.20	-9.83	peak

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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



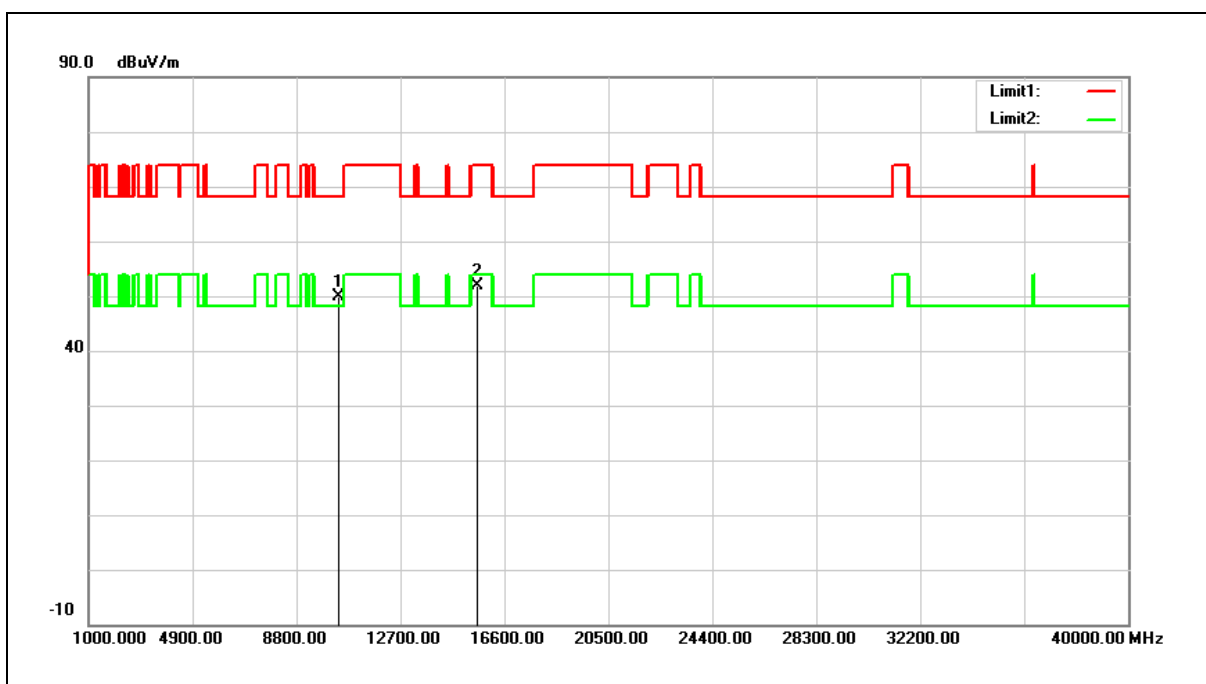
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.38	19.32	51.70	74.00	-22.30	peak
2	17475.000	33.04	25.65	58.69	68.20	-9.51	peak

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 4		
Ant.Polar.:	Horizontal		



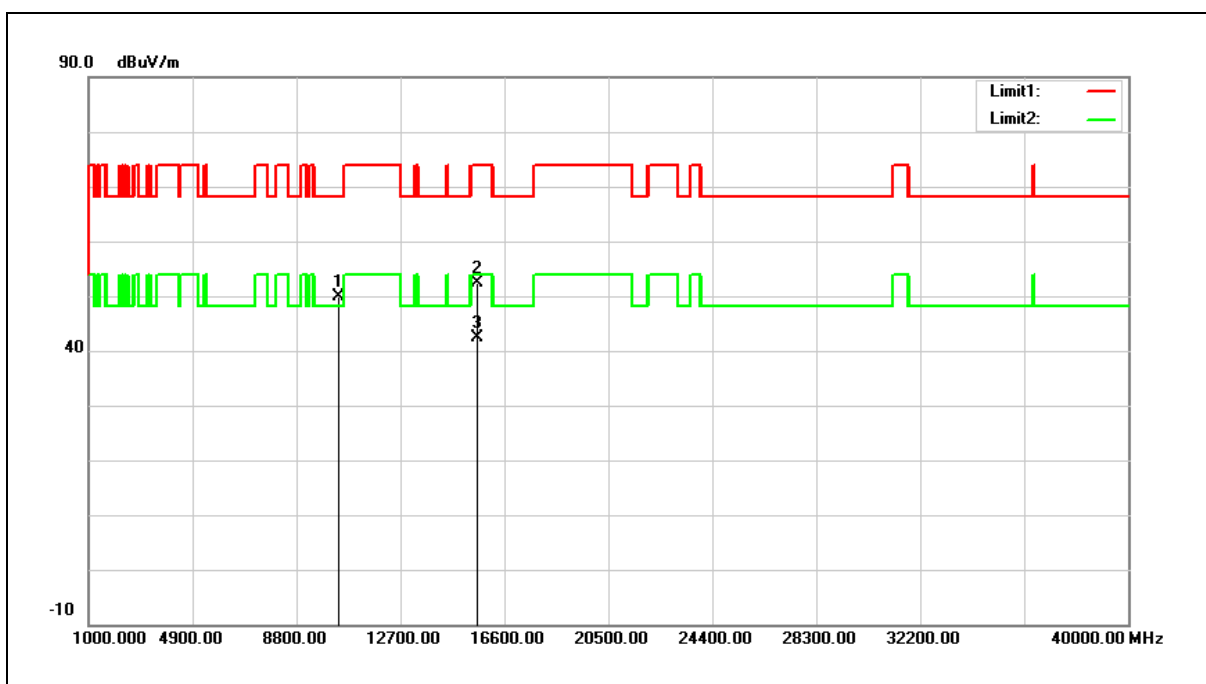
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.41	17.35	49.76	68.20	-18.44	peak
2	15570.000	31.13	20.68	51.81	74.00	-22.19	peak

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:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



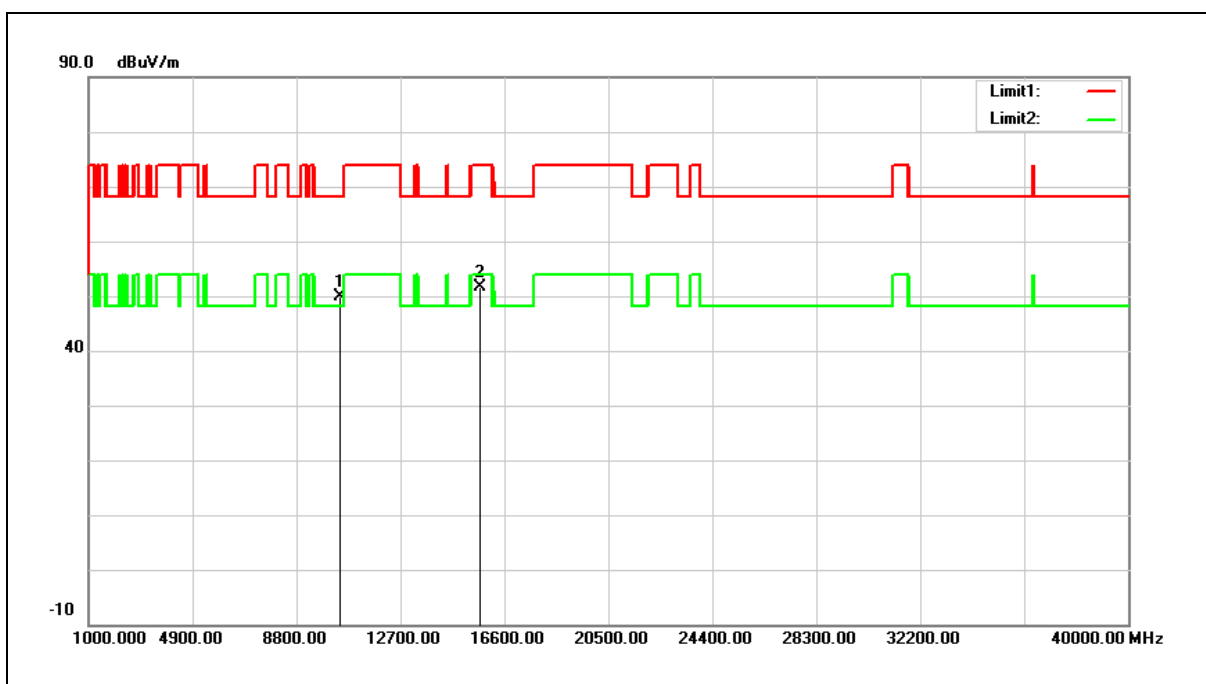
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.65	17.35	50.00	68.20	-18.20	peak
2	15570.000	31.61	20.68	52.29	74.00	-21.71	peak
3	15570.000	21.62	20.68	42.30	54.00	-11.70	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.32	17.59	49.91	68.20	-18.29	peak
2	15690.000	31.15	20.37	51.52	74.00	-22.48	peak

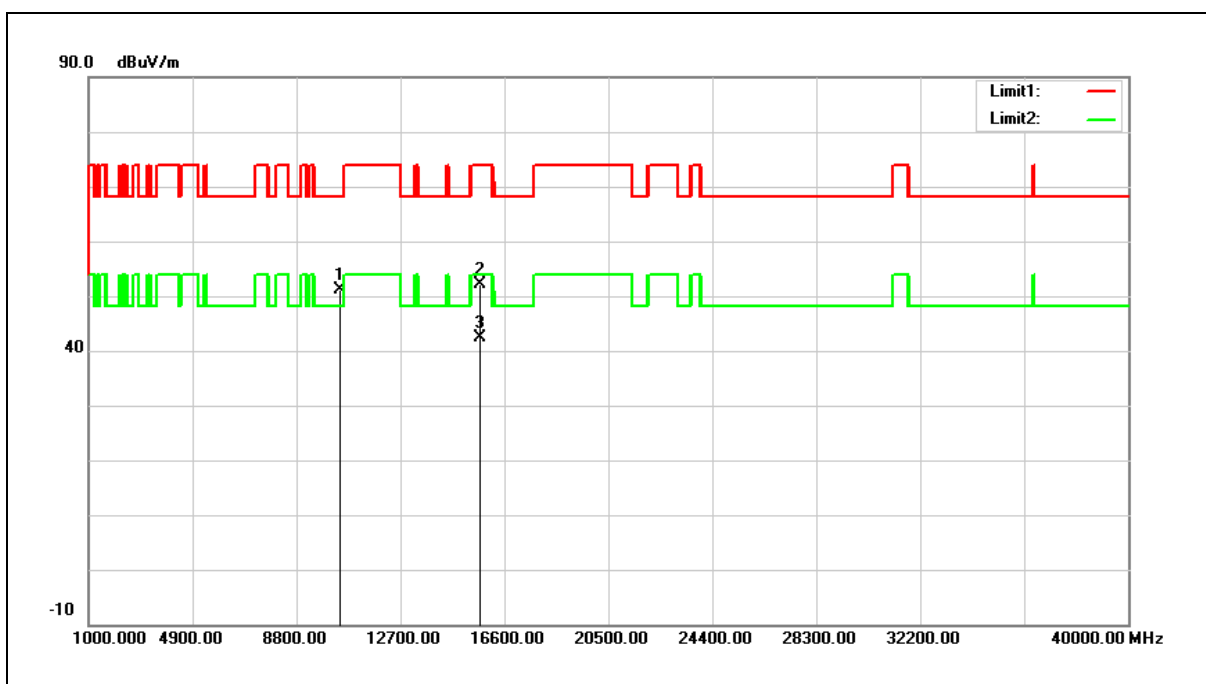
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



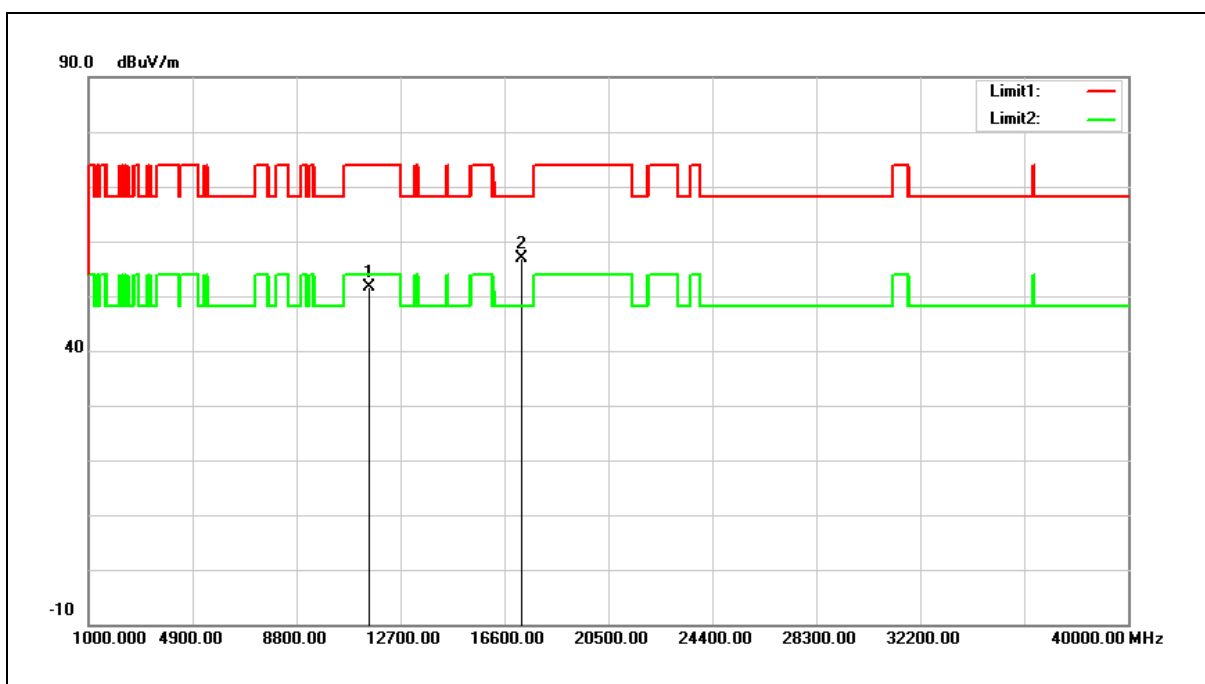
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	33.59	17.59	51.18	68.20	-17.02	peak
2	15690.000	31.75	20.37	52.12	74.00	-21.88	peak
3	15690.000	21.90	20.37	42.27	54.00	-11.73	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



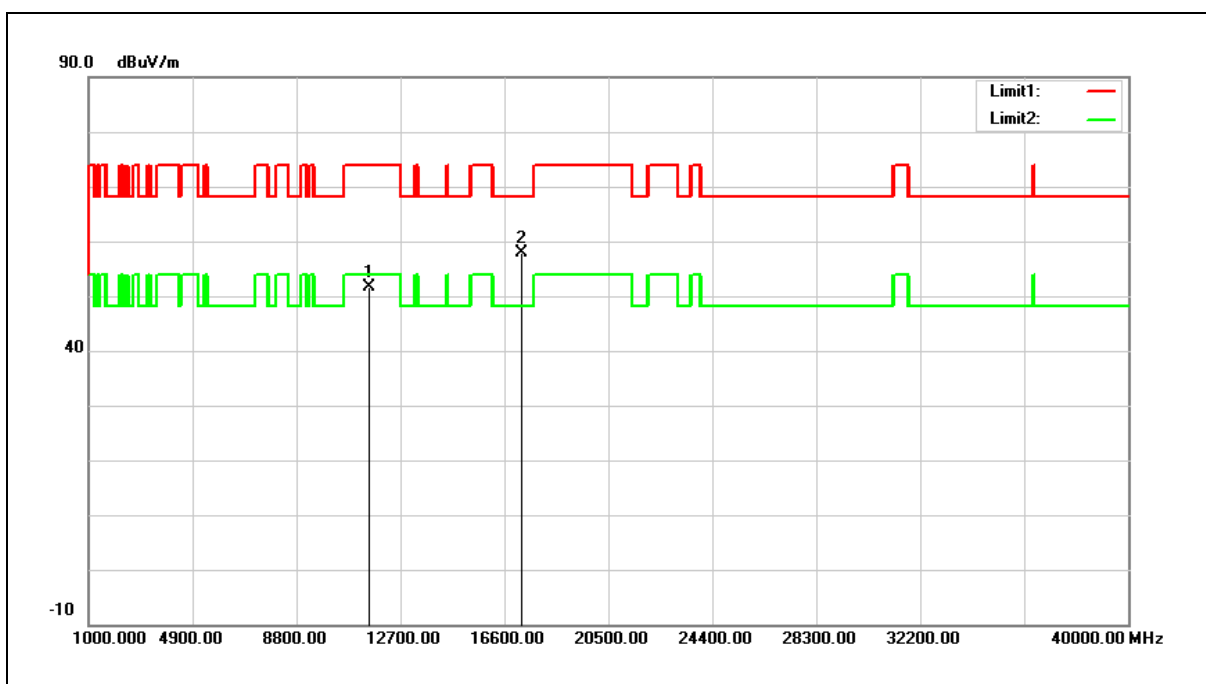
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.28	19.46	51.74	74.00	-22.26	peak
2	17265.000	31.68	25.09	56.77	68.20	-11.43	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Vertical		



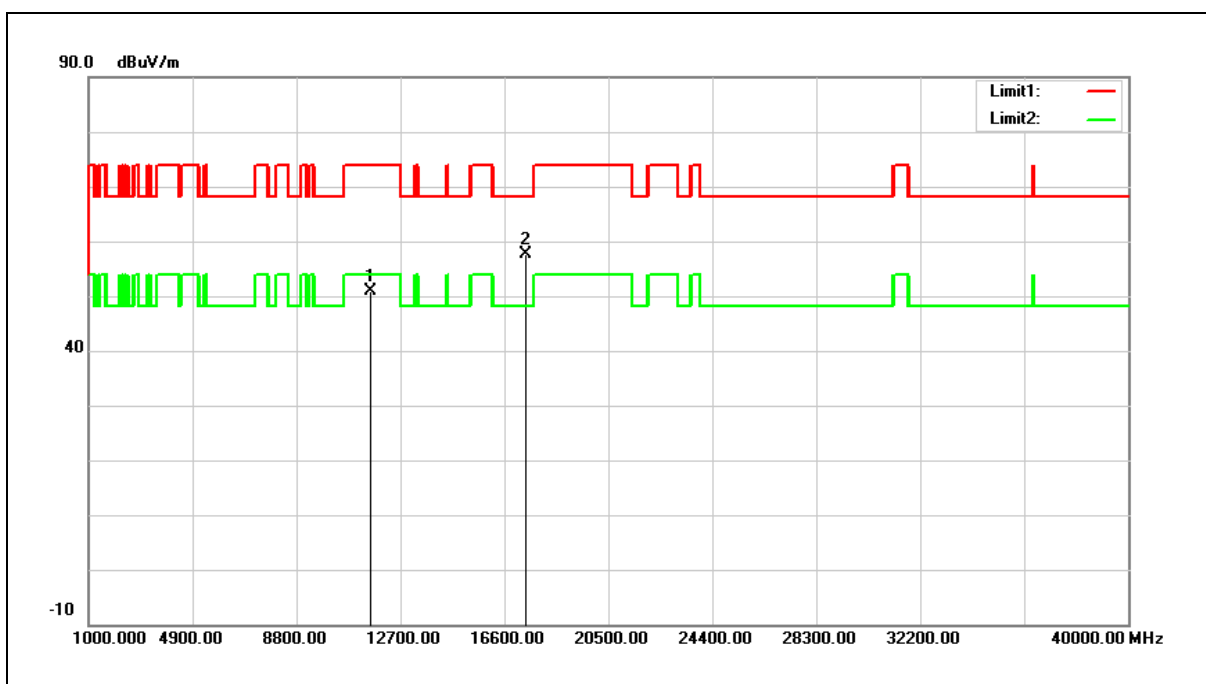
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.14	19.46	51.60	74.00	-22.40	peak
2	17265.000	32.91	25.09	58.00	68.20	-10.20	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Horizontal		



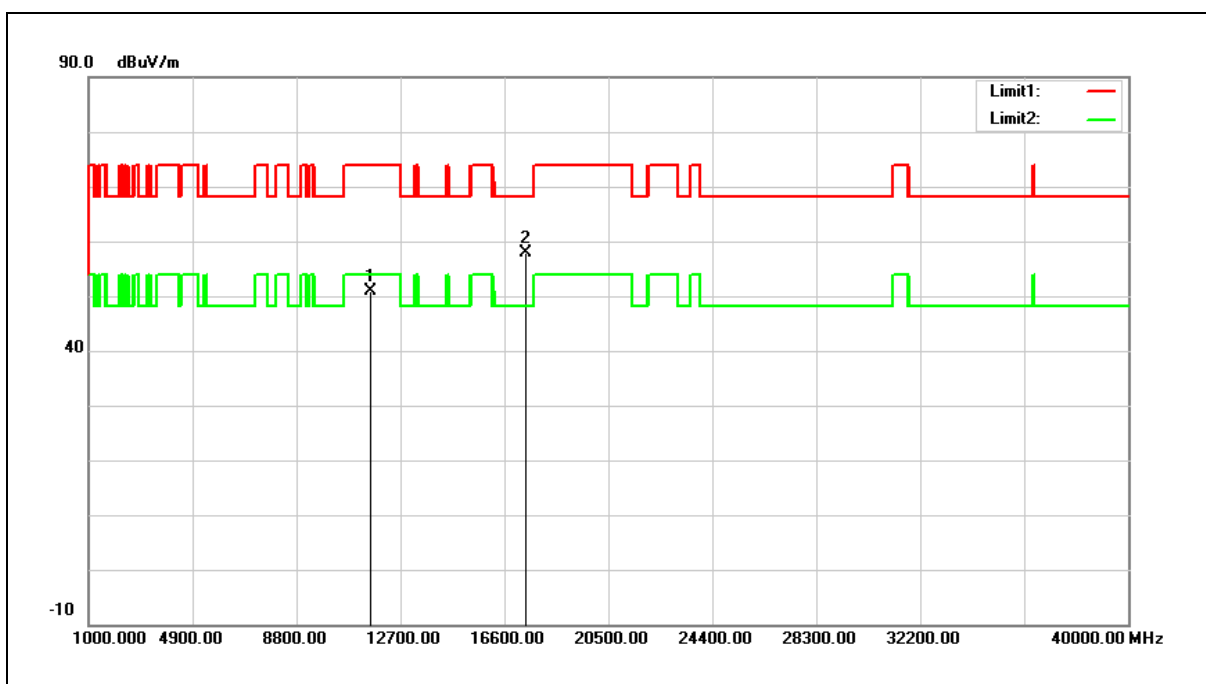
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.42	19.38	50.80	74.00	-23.20	peak
2	17385.000	32.32	25.41	57.73	68.20	-10.47	peak

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:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



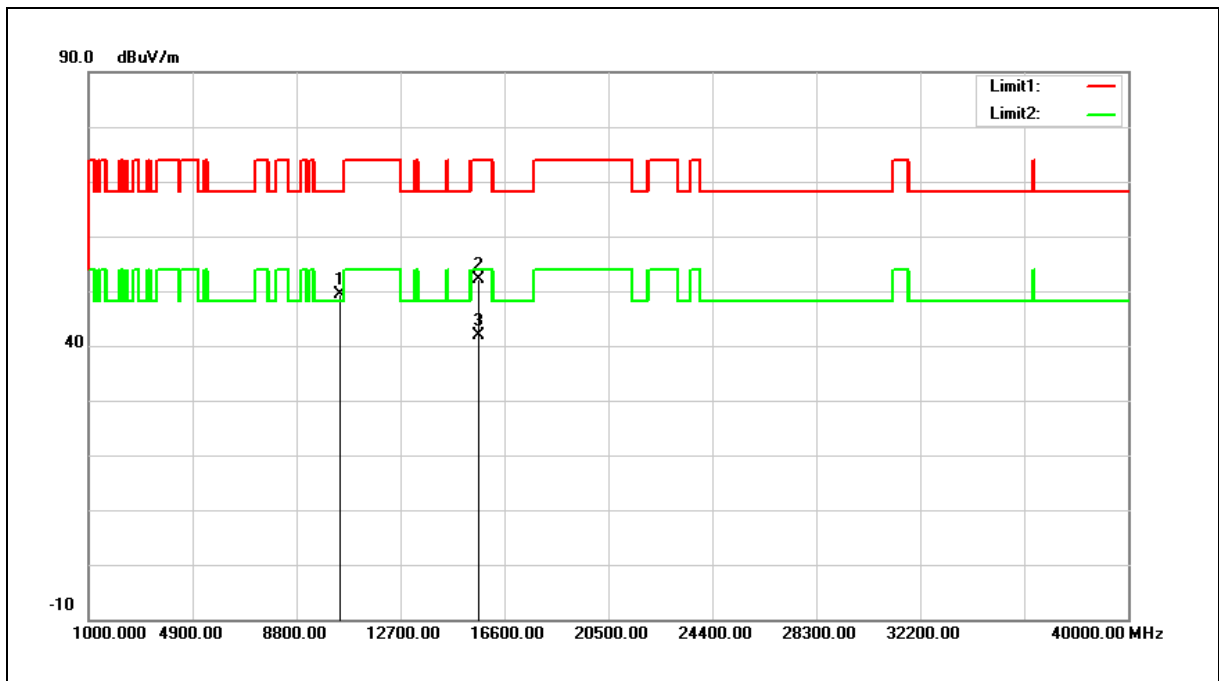
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.58	19.38	50.96	74.00	-23.04	peak
2	17385.000	32.50	25.41	57.91	68.20	-10.29	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



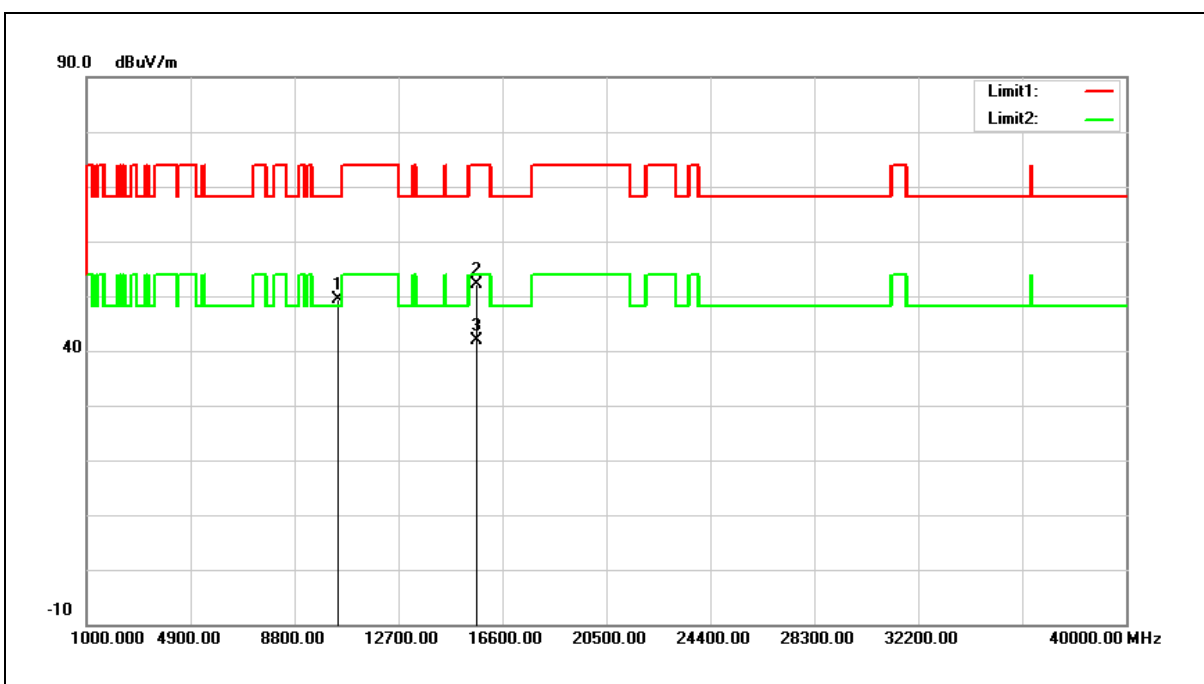
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.95	17.46	49.41	68.20	-18.79	peak
2	15630.000	31.54	20.53	52.07	74.00	-21.93	peak
3	15630.000	21.35	20.53	41.88	54.00	-12.12	AVG

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

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

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

Standard:	FCC Part 15.407	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 5		
Ant.Polar.:	Vertical		



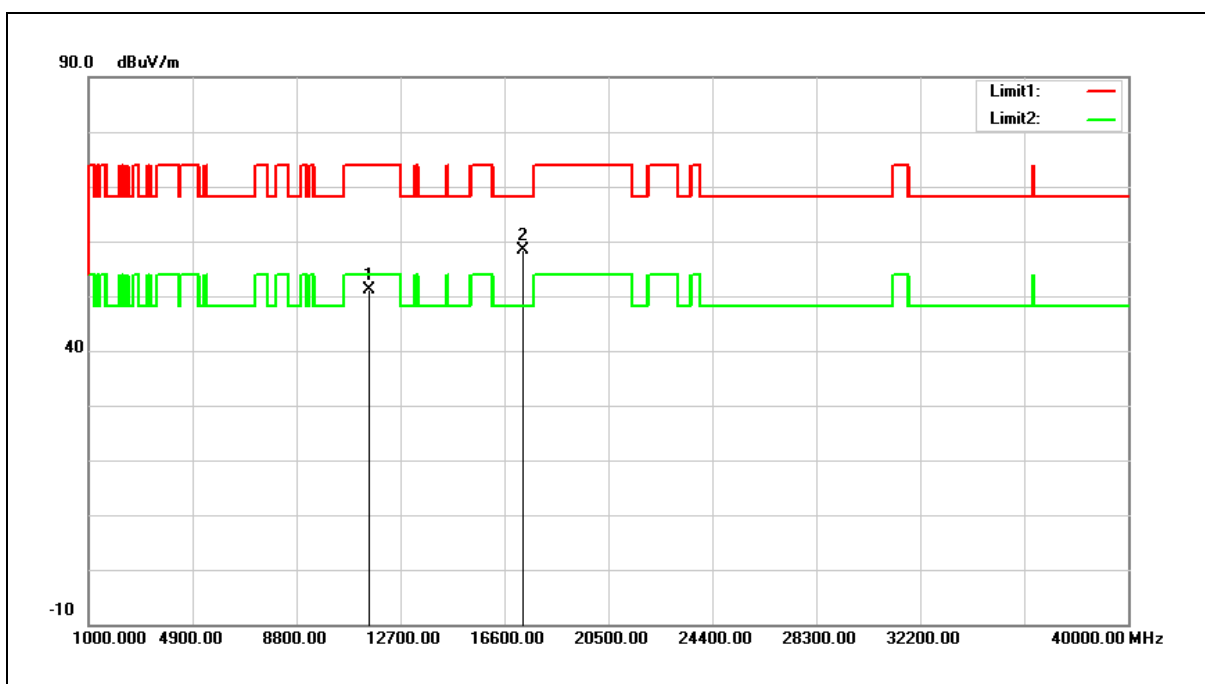
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.97	17.46	49.43	68.20	-18.77	peak
2	15630.000	31.68	20.53	52.21	74.00	-21.79	peak
3	15630.000	21.45	20.53	41.98	54.00	-12.02	AVG

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

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

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

Standard:	FCC Part 15.407	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 5		
Ant.Polar.:	Horizontal		



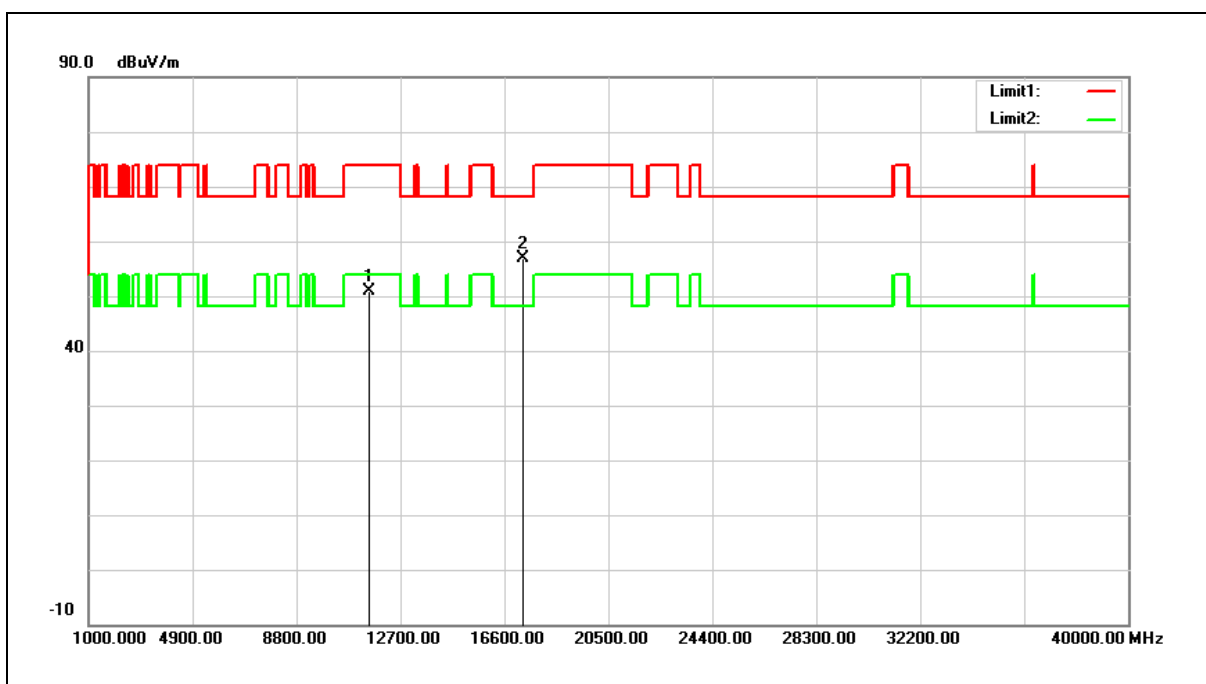
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.76	19.42	51.18	74.00	-22.82	peak
2	17325.000	33.23	25.25	58.48	68.20	-9.72	peak

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

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

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

Standard:	FCC Part 15.407	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 5		
Ant.Polar.:	Vertical		



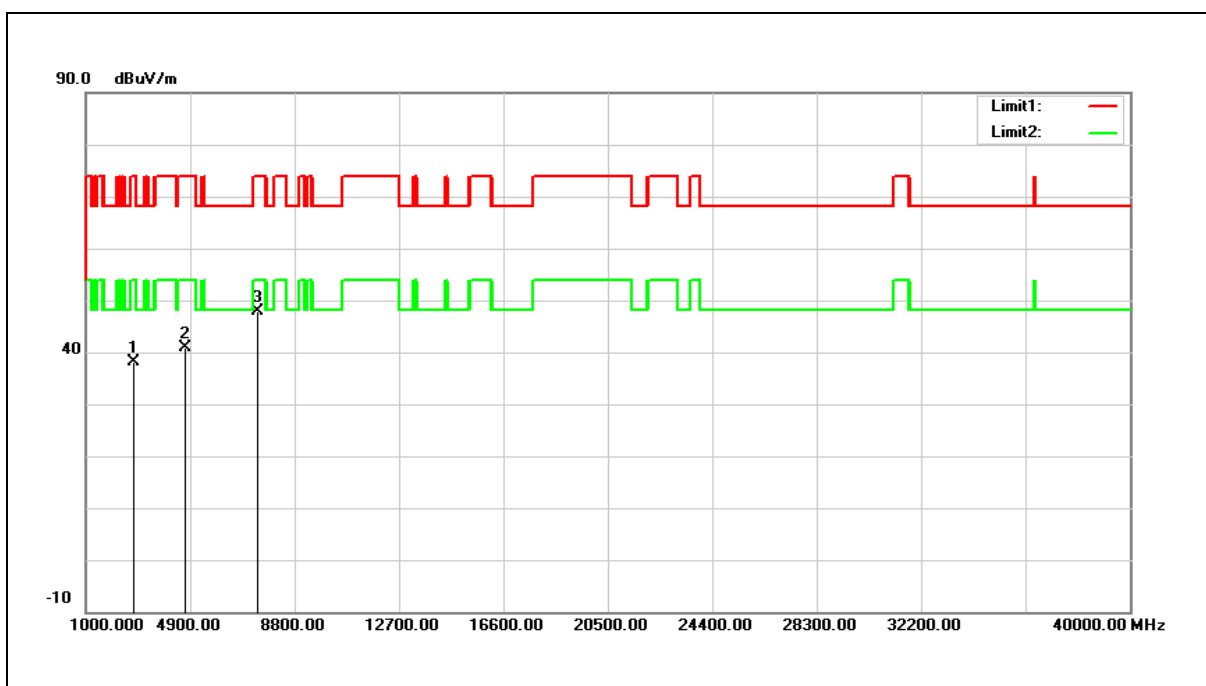
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.36	19.42	50.78	74.00	-23.22	peak
2	17325.000	31.53	25.25	56.78	68.20	-11.42	peak

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



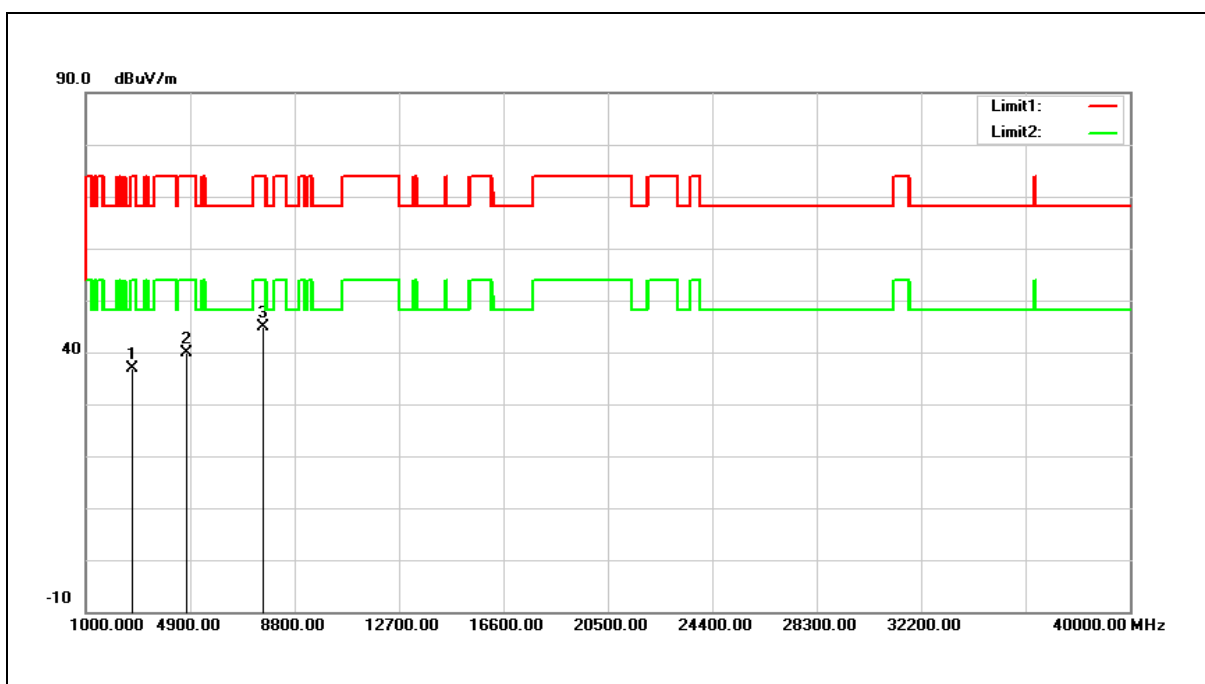
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	37.62	0.52	38.14	74.00	-35.86	peak
2	4689.000	35.21	5.56	40.77	74.00	-33.23	peak
3	7426.000	34.64	13.13	47.77	74.00	-26.23	peak

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	36.47	0.42	36.89	74.00	-37.11	peak
2	4774.000	33.96	5.81	39.77	74.00	-34.23	peak
3	7630.000	31.35	13.65	45.00	74.00	-29.00	peak

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

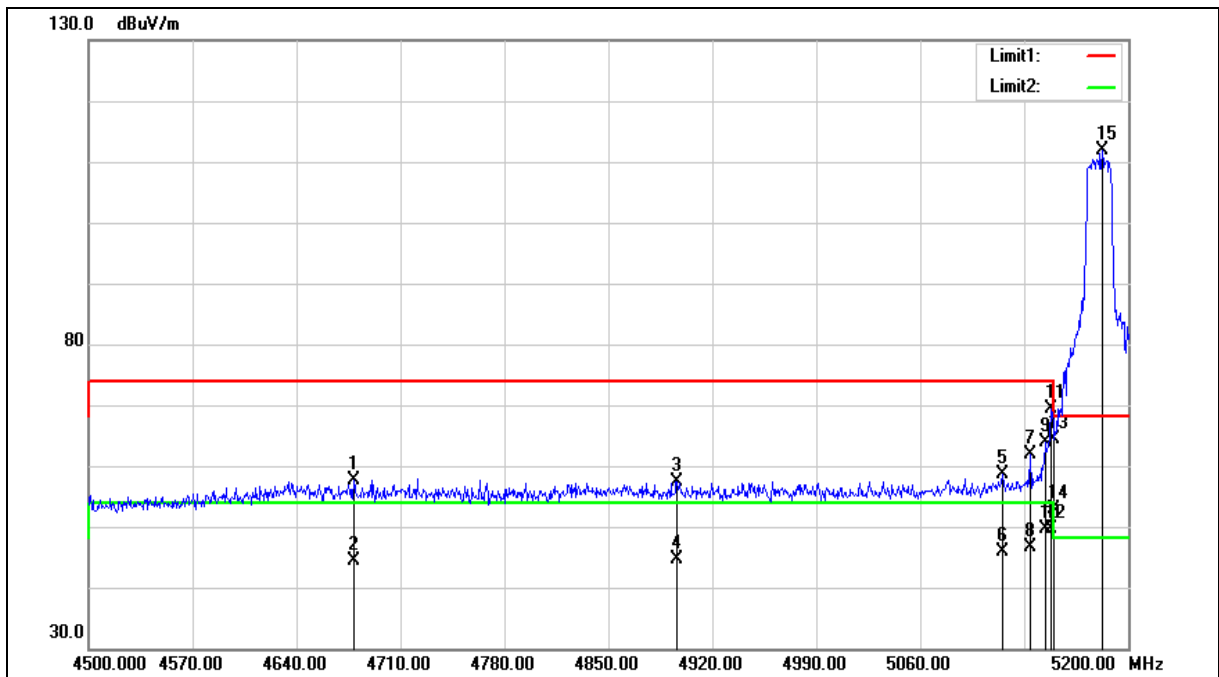
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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	4678.500	52.20	5.46	57.66	74.00	-16.34	peak
2	4678.500	38.92	5.46	44.38	54.00	-9.62	AVG
3	4896.200	51.33	6.09	57.42	74.00	-16.58	peak
4	4896.200	38.47	6.09	44.56	54.00	-9.44	AVG
5	5115.300	51.82	6.73	58.55	74.00	-15.45	peak
6	5115.300	39.14	6.73	45.87	54.00	-8.13	AVG
7	5134.200	55.07	6.79	61.86	74.00	-12.14	peak
8	5134.200	39.86	6.79	46.65	54.00	-7.35	AVG
9	5144.700	57.12	6.82	63.94	74.00	-10.06	peak
10	5144.700	42.81	6.82	49.63	54.00	-4.37	AVG
11	5148.200	62.57	6.84	69.41	74.00	-4.59	peak
12	5148.200	42.71	6.84	49.55	54.00	-4.45	AVG
13	5150.000	57.58	6.84	64.42	74.00	-9.58	peak
14	5150.000	46.09	6.84	52.93	54.00	-1.07	AVG
15	5182.500	104.99	6.93	111.92	--	--	peak

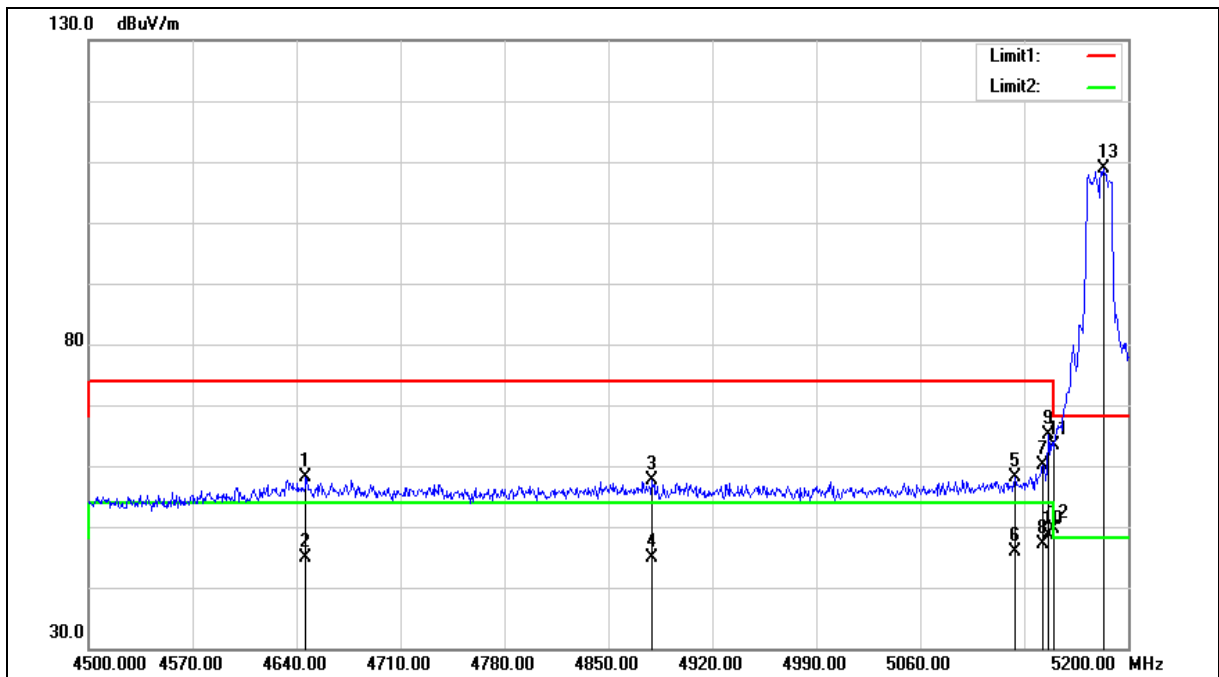
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	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	4646.300	52.73	5.36	58.09	74.00	-15.91	peak
2	4646.300	39.43	5.36	44.79	54.00	-9.21	AVG
3	4879.400	51.70	6.04	57.74	74.00	-16.26	peak
4	4879.400	38.90	6.04	44.94	54.00	-9.06	AVG
5	5123.700	51.35	6.75	58.10	74.00	-15.90	peak
6	5123.700	39.10	6.75	45.85	54.00	-8.15	AVG
7	5142.600	53.19	6.82	60.01	74.00	-13.99	peak
8	5142.600	40.32	6.82	47.14	54.00	-6.86	AVG
9	5146.100	58.29	6.83	65.12	74.00	-8.88	peak
10	5146.100	41.85	6.83	48.68	54.00	-5.32	AVG
11	5150.000	56.58	6.84	63.42	74.00	-10.58	peak
12	5150.000	42.76	6.84	49.60	54.00	-4.40	AVG
13	5183.900	101.97	6.93	108.90	--	--	peak

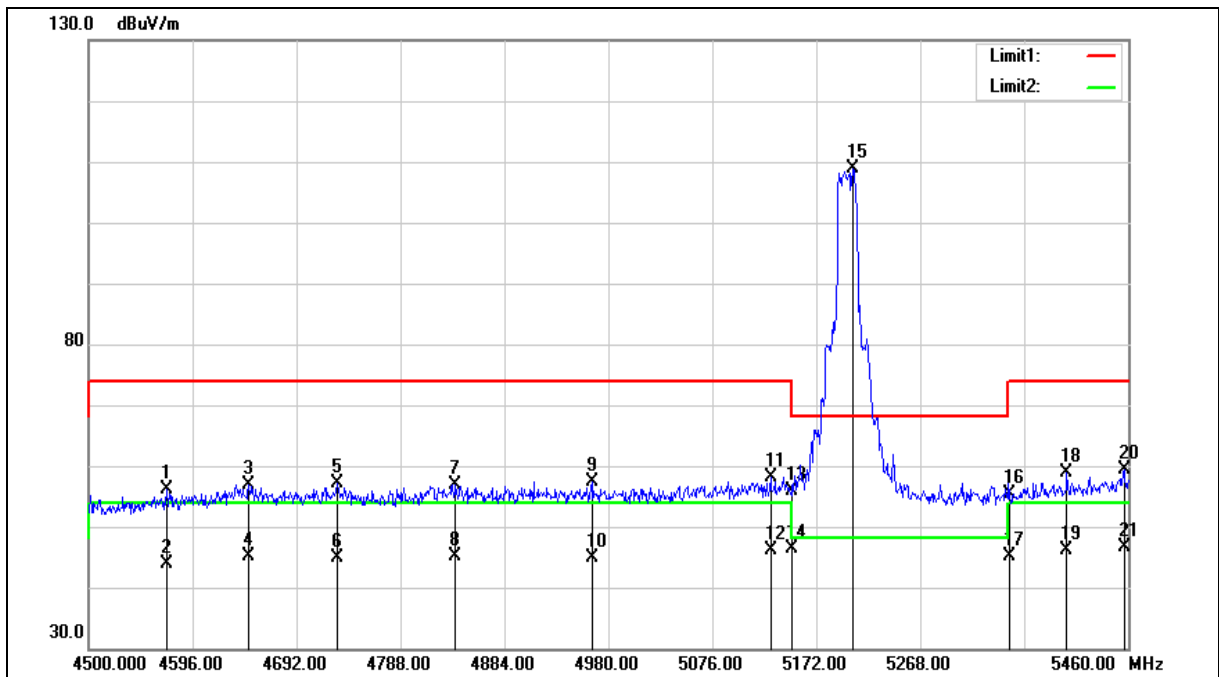
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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	4572.000	50.91	5.20	56.11	74.00	-17.89	peak
2	4572.000	38.56	5.20	43.76	54.00	-10.24	AVG
3	4647.840	51.47	5.43	56.90	74.00	-17.10	peak
4	4647.840	39.77	5.43	45.20	54.00	-8.80	AVG
5	4729.440	51.41	5.68	57.09	74.00	-16.91	peak
6	4729.440	39.12	5.68	44.80	54.00	-9.20	AVG
7	4838.880	50.98	6.02	57.00	74.00	-17.00	peak
8	4838.880	39.05	6.02	45.07	54.00	-8.93	AVG
9	4965.600	51.05	6.40	57.45	74.00	-16.55	peak
10	4965.600	38.42	6.40	44.82	54.00	-9.18	AVG
11	5129.760	51.36	6.88	58.24	74.00	-15.76	peak
12	5129.760	39.22	6.88	46.10	54.00	-7.90	AVG
13	5150.000	48.95	6.94	55.89	74.00	-18.11	peak
14	5150.000	39.40	6.94	46.34	54.00	-7.66	AVG
15	5205.600	101.69	7.10	108.79	--	--	peak
16	5350.000	47.96	7.50	55.46	74.00	-18.54	peak
17	5350.000	37.55	7.50	45.05	54.00	-8.95	AVG
18	5403.360	51.14	7.66	58.80	74.00	-15.20	peak
19	5403.360	38.51	7.66	46.17	54.00	-7.83	AVG
20	5456.160	51.61	7.81	59.42	74.00	-14.58	peak
21	5456.160	38.91	7.81	46.72	54.00	-7.28	AVG

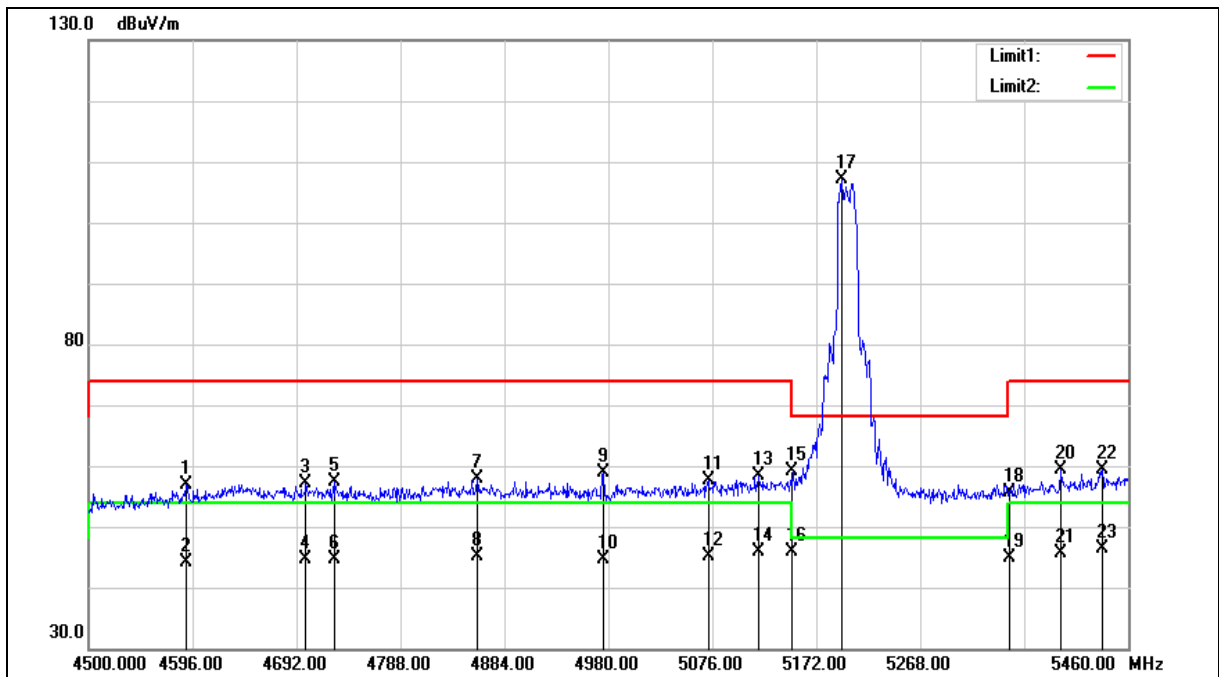
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		



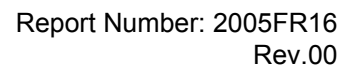
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4590.240	51.67	5.25	56.92	74.00	-17.08	peak
2	4590.240	38.79	5.25	44.04	54.00	-9.96	AVG
3	4700.640	51.51	5.59	57.10	74.00	-16.90	peak
4	4700.640	39.01	5.59	44.60	54.00	-9.40	AVG
5	4727.520	51.80	5.68	57.48	74.00	-16.52	peak
6	4727.520	38.96	5.68	44.64	54.00	-9.36	AVG
7	4859.040	51.88	6.08	57.96	74.00	-16.04	peak
8	4859.040	38.99	6.08	45.07	54.00	-8.93	AVG
9	4975.200	52.34	6.44	58.78	74.00	-15.22	peak
10	4975.200	38.21	6.44	44.65	54.00	-9.35	AVG
11	5072.160	51.04	6.71	57.75	74.00	-16.25	peak
12	5072.160	38.54	6.71	45.25	54.00	-8.75	AVG
13	5119.200	51.65	6.84	58.49	74.00	-15.51	peak
14	5119.200	38.93	6.84	45.77	54.00	-8.23	AVG
15	5150.000	52.13	6.94	59.07	74.00	-14.93	peak
16	5150.000	38.91	6.94	45.85	54.00	-8.15	AVG
17	5196.000	100.17	7.07	107.24	--	--	peak
18	5350.000	48.20	7.50	55.70	74.00	-18.30	peak
19	5350.000	37.37	7.50	44.87	54.00	-9.13	AVG
20	5397.600	51.75	7.65	59.40	74.00	-14.60	peak
21	5397.600	38.06	7.65	45.71	54.00	-8.29	AVG
22	5436.000	51.64	7.75	59.39	74.00	-14.61	peak
23	5436.000	38.74	7.75	46.49	54.00	-7.51	AVG

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

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

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





Standard:	FCC Part 15.407	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	4642.080	52.24	5.41	57.65	74.00	-16.35	peak
2	4642.080	39.86	5.41	45.27	54.00	-8.73	AVG
3	4701.600	51.50	5.59	57.09	74.00	-16.91	peak
4	4701.600	38.97	5.59	44.56	54.00	-9.44	AVG
5	4860.000	50.97	6.08	57.05	74.00	-16.95	peak
6	4860.000	38.96	6.08	45.04	54.00	-8.96	AVG
7	4925.280	50.69	6.29	56.98	74.00	-17.02	peak
8	4925.280	38.59	6.29	44.88	54.00	-9.12	AVG
9	5076.960	50.78	6.73	57.51	74.00	-16.49	peak
10	5076.960	38.70	6.73	45.43	54.00	-8.57	AVG
11	5132.640	51.97	6.89	58.86	74.00	-15.14	peak
12	5132.640	39.12	6.89	46.01	54.00	-7.99	AVG
13	5150.000	48.94	6.94	55.88	74.00	-18.12	peak
14	5150.000	39.20	6.94	46.14	54.00	-7.86	AVG
15	5246.880	103.70	7.21	110.91	--	--	peak
16	5350.000	48.00	7.50	55.50	74.00	-18.50	peak
17	5350.000	37.44	7.50	44.94	54.00	-9.06	AVG
18	5395.680	50.90	7.64	58.54	74.00	-15.46	peak
19	5395.680	38.31	7.64	45.95	54.00	-8.05	AVG
20	5410.080	50.64	7.68	58.32	74.00	-15.68	peak
21	5410.080	38.54	7.68	46.22	54.00	-7.78	AVG
22	5435.040	50.31	7.75	58.06	74.00	-15.94	peak
23	5435.040	38.76	7.75	46.51	54.00	-7.49	AVG

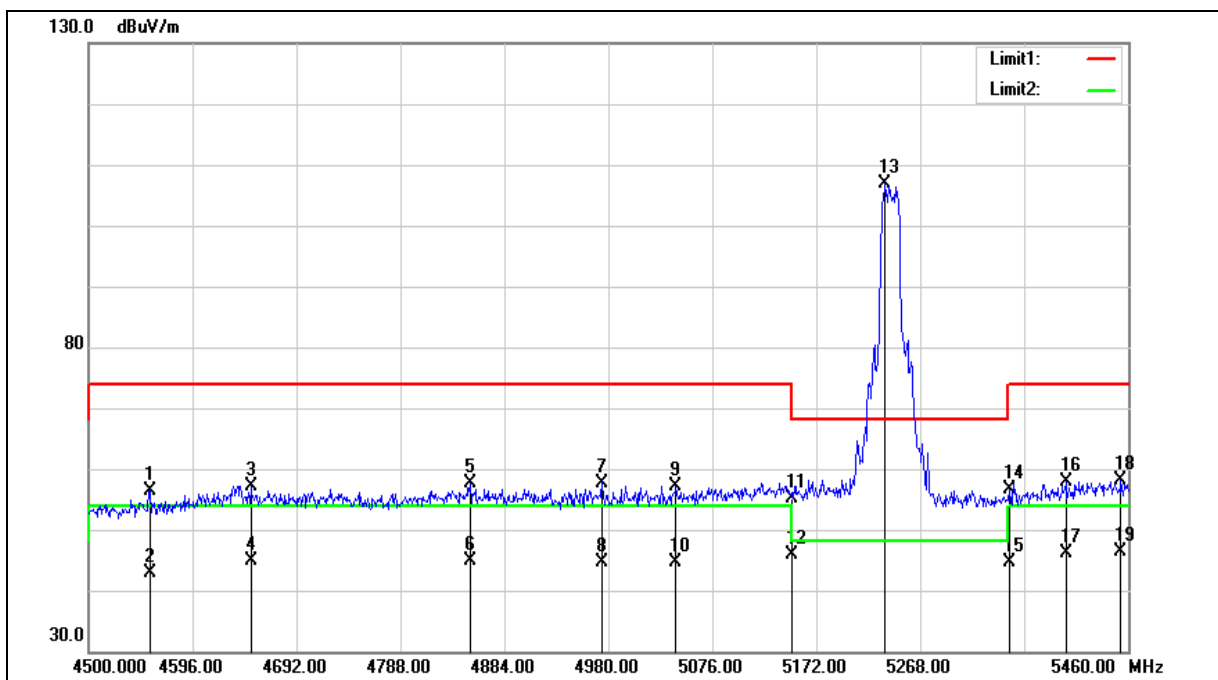
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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		

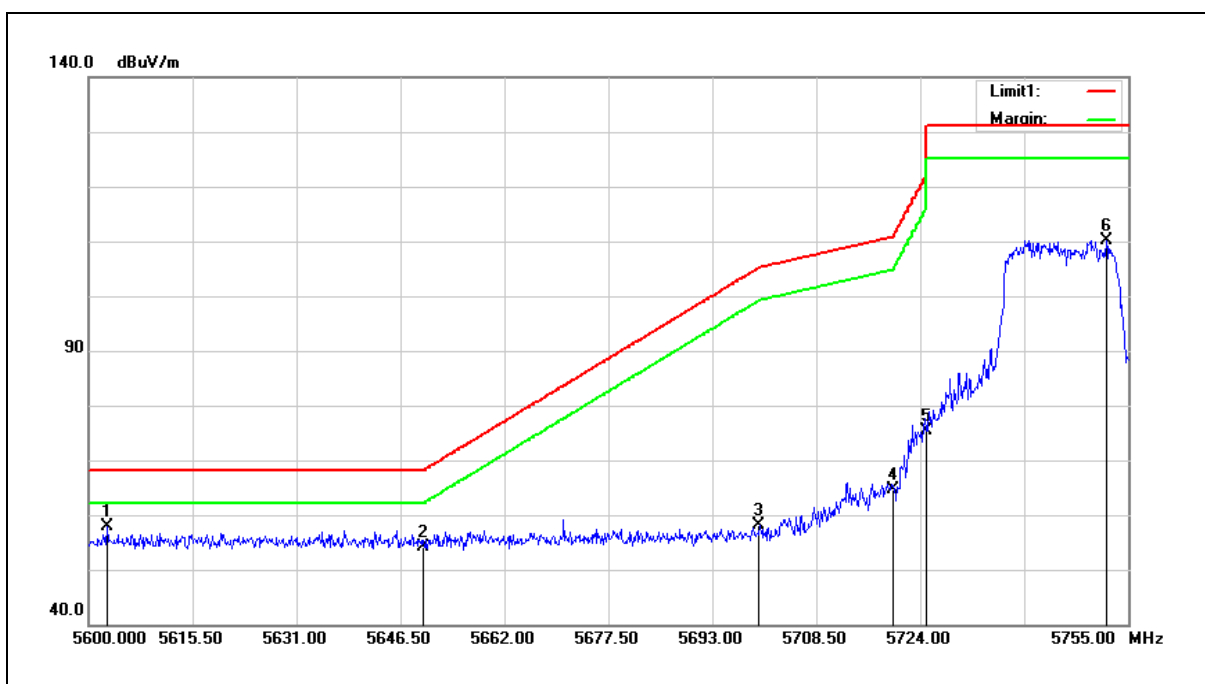
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4556.640	51.30	5.15	56.45	74.00	-17.55	peak
2	4556.640	37.72	5.15	42.87	54.00	-11.13	AVG
3	4649.760	51.76	5.43	57.19	74.00	-16.81	peak
4	4649.760	39.52	5.43	44.95	54.00	-9.05	AVG
5	4852.320	51.51	6.07	57.58	74.00	-16.42	peak
6	4852.320	38.71	6.07	44.78	54.00	-9.22	AVG
7	4974.240	51.32	6.43	57.75	74.00	-16.25	peak
8	4974.240	38.11	6.43	44.54	54.00	-9.46	AVG
9	5042.400	50.54	6.63	57.17	74.00	-16.83	peak
10	5042.400	38.00	6.63	44.63	54.00	-9.37	AVG
11	5150.000	48.19	6.94	55.13	74.00	-18.87	peak
12	5150.000	38.97	6.94	45.91	54.00	-8.09	AVG
13	5235.360	99.72	7.18	106.90	--	--	peak
14	5350.000	49.23	7.50	56.73	74.00	-17.27	peak
15	5350.000	37.09	7.50	44.59	54.00	-9.41	AVG
16	5402.400	50.32	7.65	57.97	74.00	-16.03	peak
17	5402.400	38.37	7.65	46.02	54.00	-7.98	AVG
18	5453.280	50.22	7.80	58.02	74.00	-15.98	peak
19	5453.280	38.63	7.80	46.43	54.00	-7.57	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		



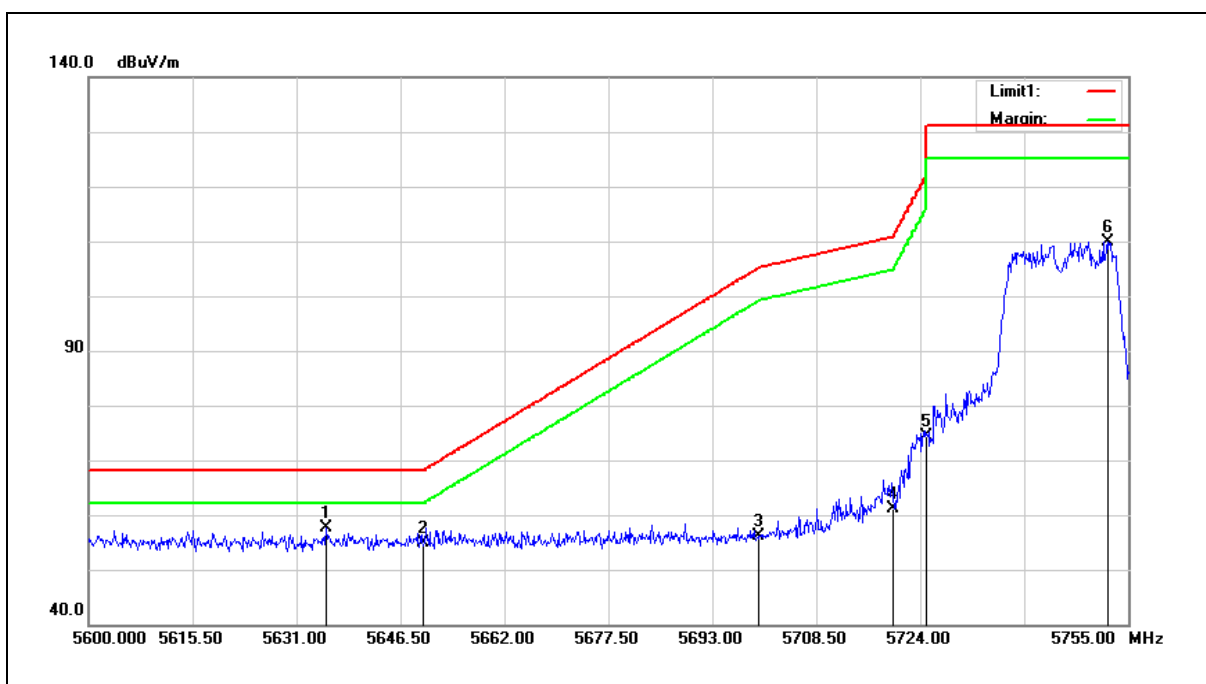
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5602.790	49.73	8.05	57.78	68.20	-10.42	peak
2	5650.000	46.02	8.16	54.18	68.20	-14.02	peak
3	5700.000	49.76	8.26	58.02	105.20	-47.18	peak
4	5720.000	56.36	8.30	64.66	110.80	-46.14	peak
5	5725.000	67.06	8.31	75.37	122.20	-46.83	peak
6	5751.745	101.83	8.36	110.19	--	--	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:	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	5635.340	49.56	8.13	57.69	68.20	-10.51	peak
2	5650.000	46.63	8.16	54.79	68.20	-13.41	peak
3	5700.000	47.75	8.26	56.01	105.20	-49.19	peak
4	5720.000	52.81	8.30	61.11	110.80	-49.69	peak
5	5725.000	66.01	8.31	74.32	122.20	-47.88	peak
6	5751.900	101.59	8.36	109.95	--	--	peak

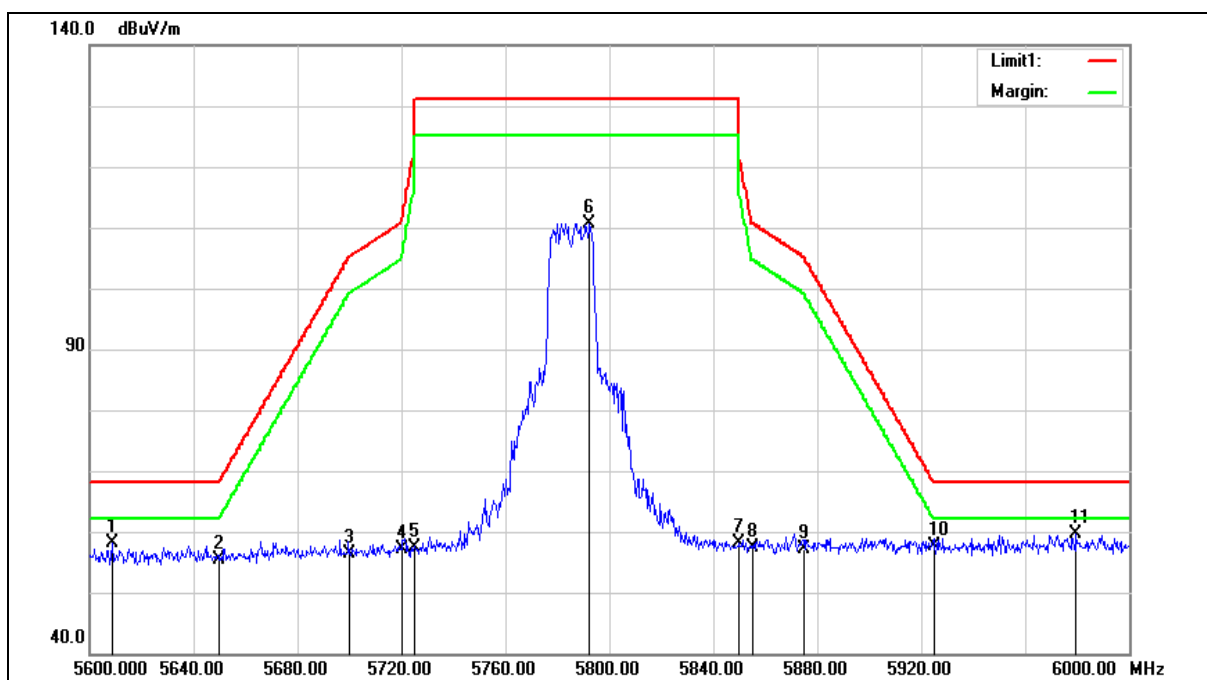
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

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	5608.800	50.08	8.15	58.23	68.20	-9.97	peak
2	5650.000	47.08	8.24	55.32	68.20	-12.88	peak
3	5700.000	48.15	8.34	56.49	105.20	-48.71	peak
4	5720.000	48.65	8.38	57.03	110.80	-53.77	peak
5	5725.000	49.01	8.39	57.40	122.20	-64.80	peak
6	5792.400	102.19	8.52	110.71	--	--	peak
7	5850.000	49.47	8.63	58.10	122.20	-64.10	peak
8	5855.000	48.65	8.64	57.29	110.80	-53.51	peak
9	5875.000	48.53	8.69	57.22	105.20	-47.98	peak
10	5925.000	48.93	8.79	57.72	68.20	-10.48	peak
11	5979.600	50.70	8.90	59.60	68.20	-8.60	peak

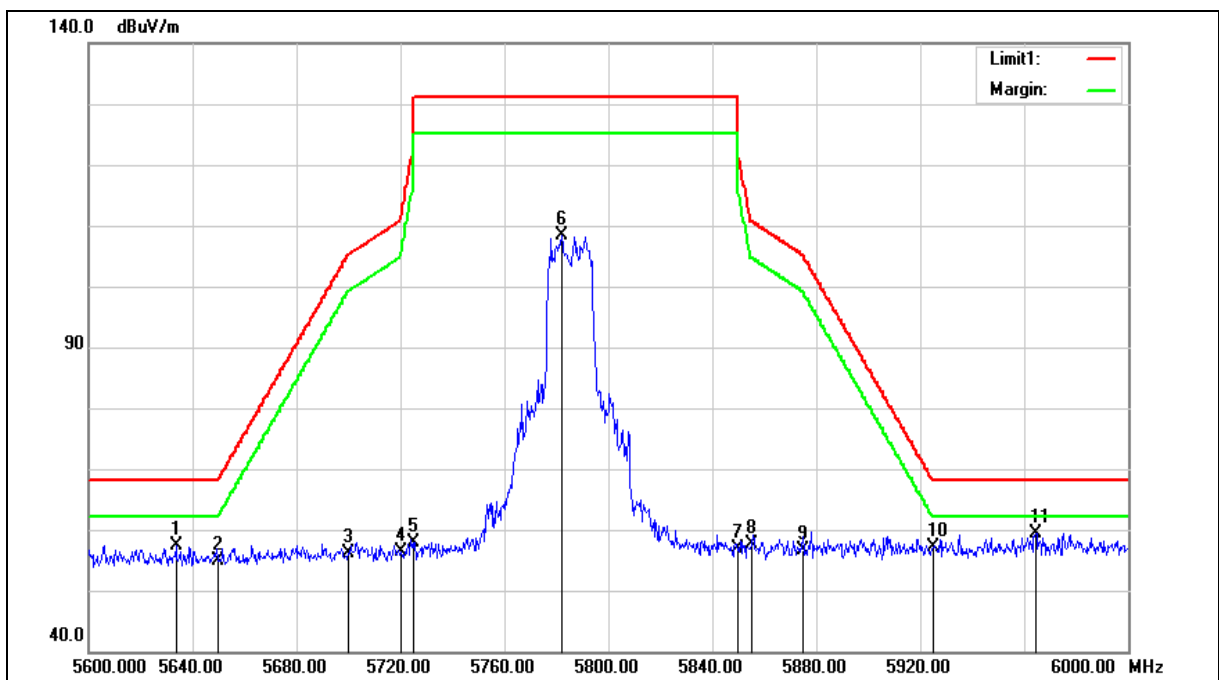
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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		

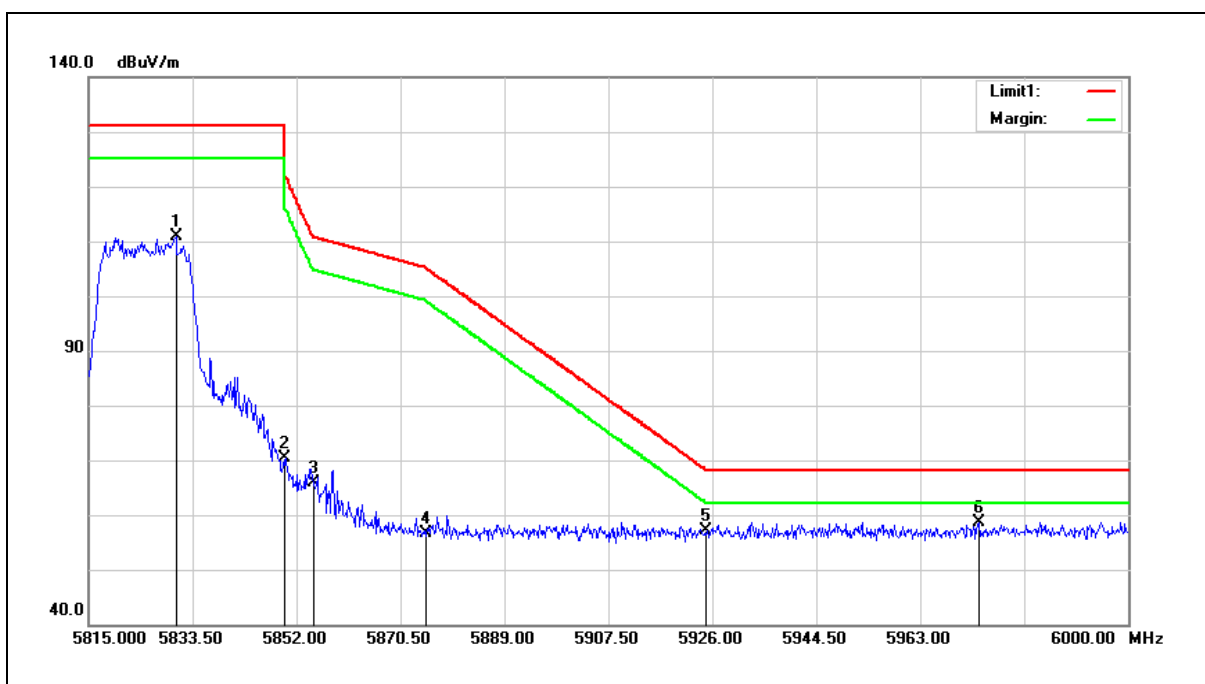
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5633.600	49.24	8.20	57.44	68.20	-10.76	peak
2	5650.000	46.71	8.24	54.95	68.20	-13.25	peak
3	5700.000	47.77	8.34	56.11	105.20	-49.09	peak
4	5720.000	47.93	8.38	56.31	110.80	-54.49	peak
5	5725.000	49.57	8.39	57.96	122.20	-64.24	peak
6	5782.000	99.85	8.50	108.35	--	--	peak
7	5850.000	48.26	8.63	56.89	122.20	-65.31	peak
8	5855.000	49.07	8.64	57.71	110.80	-53.09	peak
9	5875.000	47.89	8.69	56.58	105.20	-48.62	peak
10	5925.000	48.42	8.79	57.21	68.20	-10.99	peak
11	5964.400	50.53	8.87	59.40	68.20	-8.80	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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



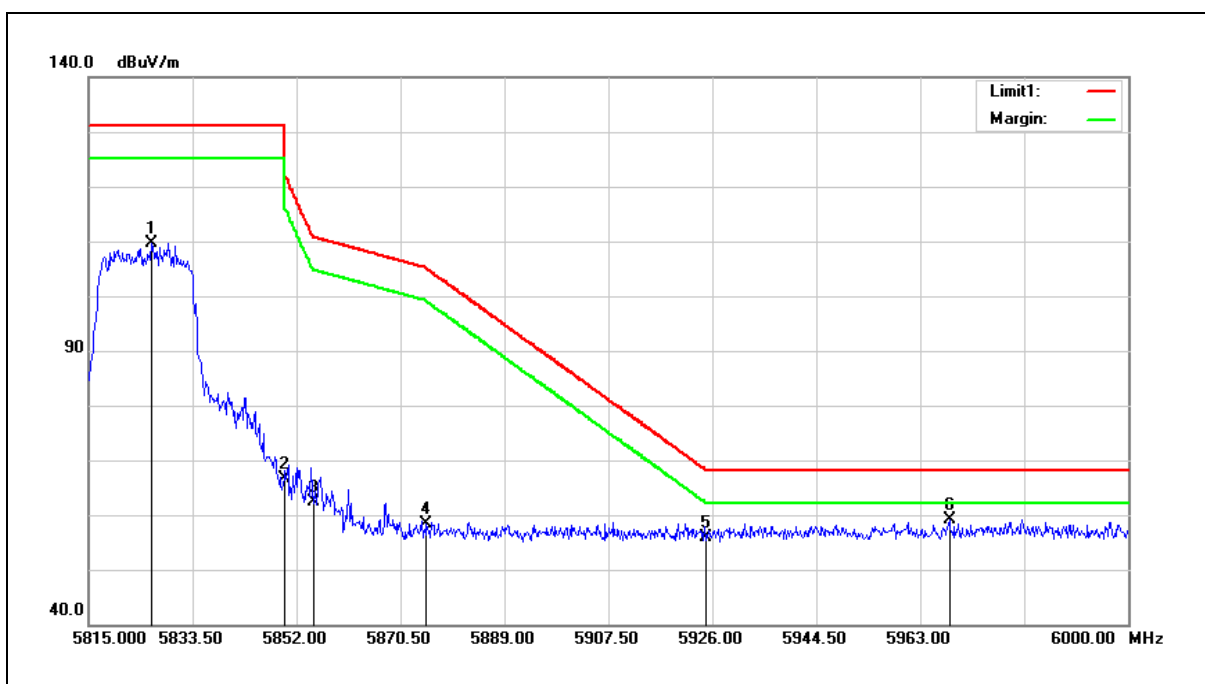
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5830.540	102.48	8.51	110.99	--	--	peak
2	5850.000	61.79	8.55	70.34	122.20	-51.86	peak
3	5855.000	57.32	8.56	65.88	110.80	-44.92	peak
4	5875.000	48.06	8.61	56.67	105.20	-48.53	peak
5	5925.000	48.50	8.71	57.21	68.20	-10.99	peak
6	5973.545	49.84	8.80	58.64	68.20	-9.56	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:	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	5826.285	101.22	8.51	109.73	--	--	peak
2	5850.000	58.03	8.55	66.58	122.20	-55.62	peak
3	5855.000	53.83	8.56	62.39	110.80	-48.41	peak
4	5875.000	49.75	8.61	58.36	105.20	-46.84	peak
5	5925.000	47.08	8.71	55.79	68.20	-12.41	peak
6	5968.180	50.40	8.80	59.20	68.20	-9.00	peak

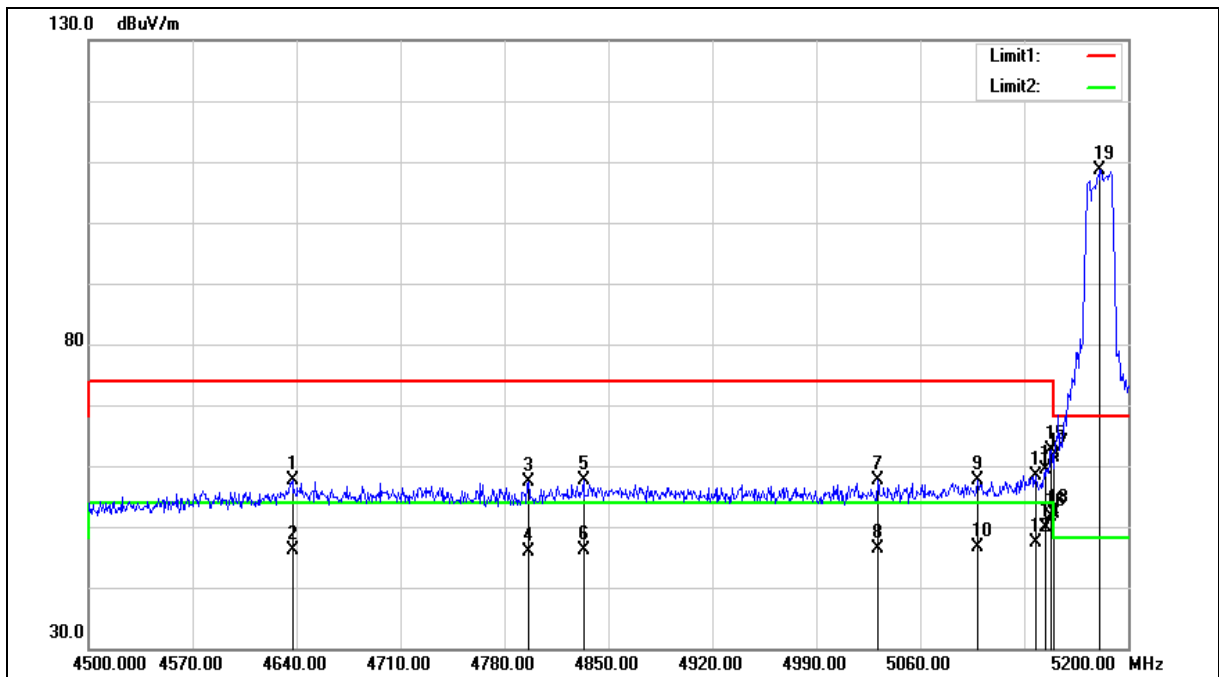
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4637.200	52.34	5.40	57.74	74.00	-16.26	peak
2	4637.200	40.77	5.40	46.17	54.00	-7.83	AVG
3	4796.100	51.57	5.89	57.46	74.00	-16.54	peak
4	4796.100	40.02	5.89	45.91	54.00	-8.09	AVG
5	4833.200	51.75	5.99	57.74	74.00	-16.26	peak
6	4833.200	40.21	5.99	46.20	54.00	-7.80	AVG
7	5031.300	51.03	6.60	57.63	74.00	-16.37	peak
8	5031.300	39.66	6.60	46.26	54.00	-7.74	AVG
9	5098.500	50.80	6.79	57.59	74.00	-16.41	peak
10	5098.500	39.93	6.79	46.72	54.00	-7.28	AVG
11	5137.700	51.52	6.91	58.43	74.00	-15.57	peak
12	5137.700	40.38	6.91	47.29	54.00	-6.71	AVG
13	5144.700	52.53	6.92	59.45	74.00	-14.55	peak
14	5144.700	43.07	6.92	49.99	54.00	-4.01	AVG
15	5148.200	55.62	6.94	62.56	74.00	-11.44	peak
16	5148.200	44.57	6.94	51.51	54.00	-2.49	AVG
17	5150.000	54.40	6.94	61.34	74.00	-12.66	peak
18	5150.000	45.30	6.94	52.24	54.00	-1.76	AVG
19	5181.100	101.56	7.03	108.59	--	--	peak

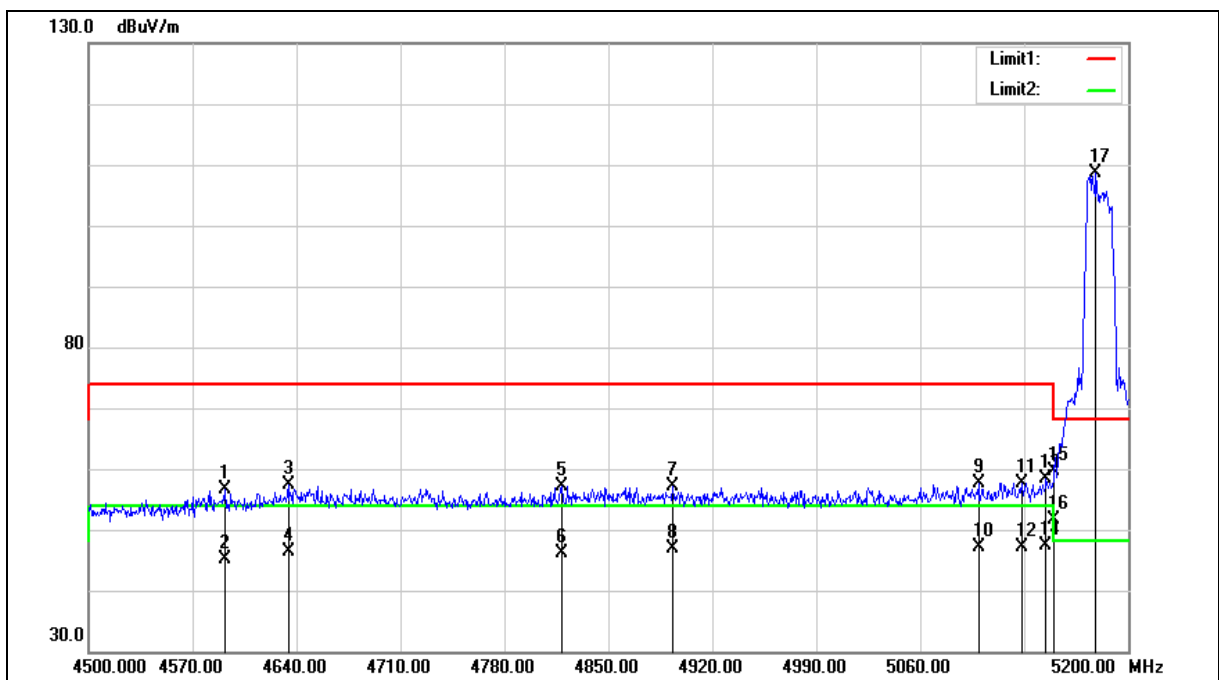
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4591.700	51.41	5.25	56.66	74.00	-17.34	peak
2	4591.700	39.95	5.25	45.20	54.00	-8.80	AVG
3	4634.400	51.92	5.39	57.31	74.00	-16.69	peak
4	4634.400	40.97	5.39	46.36	54.00	-7.64	AVG
5	4818.500	51.25	5.95	57.20	74.00	-16.80	peak
6	4818.500	40.20	5.95	46.15	54.00	-7.85	AVG
7	4893.400	50.83	6.19	57.02	74.00	-16.98	peak
8	4893.400	40.72	6.19	46.91	54.00	-7.09	AVG
9	5099.200	50.83	6.79	57.62	74.00	-16.38	peak
10	5099.200	40.44	6.79	47.23	54.00	-6.77	AVG
11	5128.600	50.83	6.88	57.71	74.00	-16.29	peak
12	5128.600	40.16	6.88	47.04	54.00	-6.96	AVG
13	5144.700	51.42	6.92	58.34	74.00	-15.66	peak
14	5144.700	40.56	6.92	47.48	54.00	-6.52	AVG
15	5150.000	52.76	6.94	59.70	74.00	-14.30	peak
16	5150.000	44.68	6.94	51.62	54.00	-2.38	AVG
17	5178.300	101.64	7.02	108.66	--	--	peak

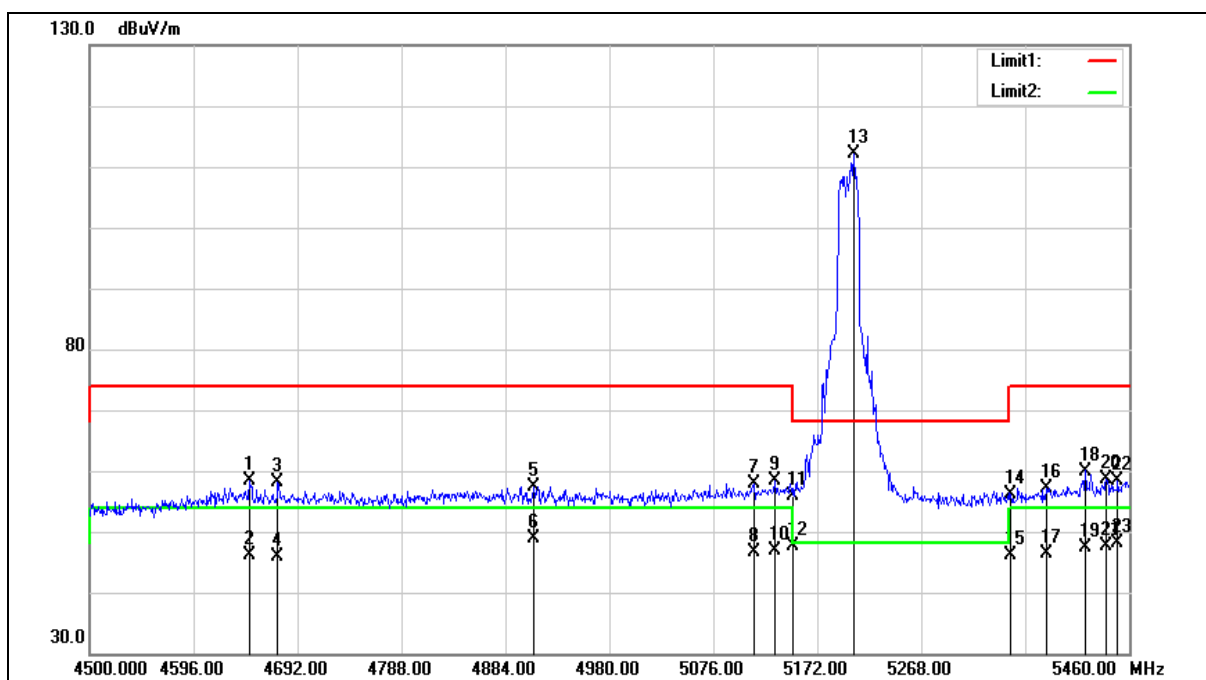
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4647.840	52.91	5.43	58.34	74.00	-15.66	peak
2	4647.840	40.72	5.43	46.15	54.00	-7.85	AVG
3	4673.760	52.64	5.51	58.15	74.00	-15.85	peak
4	4673.760	40.34	5.51	45.85	54.00	-8.15	AVG
5	4909.920	51.06	6.24	57.30	74.00	-16.70	peak
6	4909.920	42.57	6.24	48.81	54.00	-5.19	AVG
7	5113.440	51.04	6.82	57.86	74.00	-16.14	peak
8	5113.440	39.87	6.82	46.69	54.00	-7.31	AVG
9	5132.640	51.55	6.89	58.44	74.00	-15.56	peak
10	5132.640	40.05	6.89	46.94	54.00	-7.06	AVG
11	5150.000	48.90	6.94	55.84	74.00	-18.16	peak
12	5150.000	40.73	6.94	47.67	54.00	-6.33	AVG
13	5205.600	105.15	7.10	112.25	--	--	peak
14	5350.000	48.65	7.50	56.15	74.00	-17.85	peak
15	5350.000	38.55	7.50	46.05	54.00	-7.95	AVG
16	5383.200	49.59	7.60	57.19	74.00	-16.81	peak
17	5383.200	38.83	7.60	46.43	54.00	-7.57	AVG
18	5419.680	52.29	7.71	60.00	74.00	-14.00	peak
19	5419.680	39.68	7.71	47.39	54.00	-6.61	AVG
20	5438.880	50.78	7.76	58.54	74.00	-15.46	peak
21	5438.880	39.95	7.76	47.71	54.00	-6.29	AVG
22	5449.440	50.68	7.79	58.47	74.00	-15.53	peak
23	5449.440	40.23	7.79	48.02	54.00	-5.98	AVG

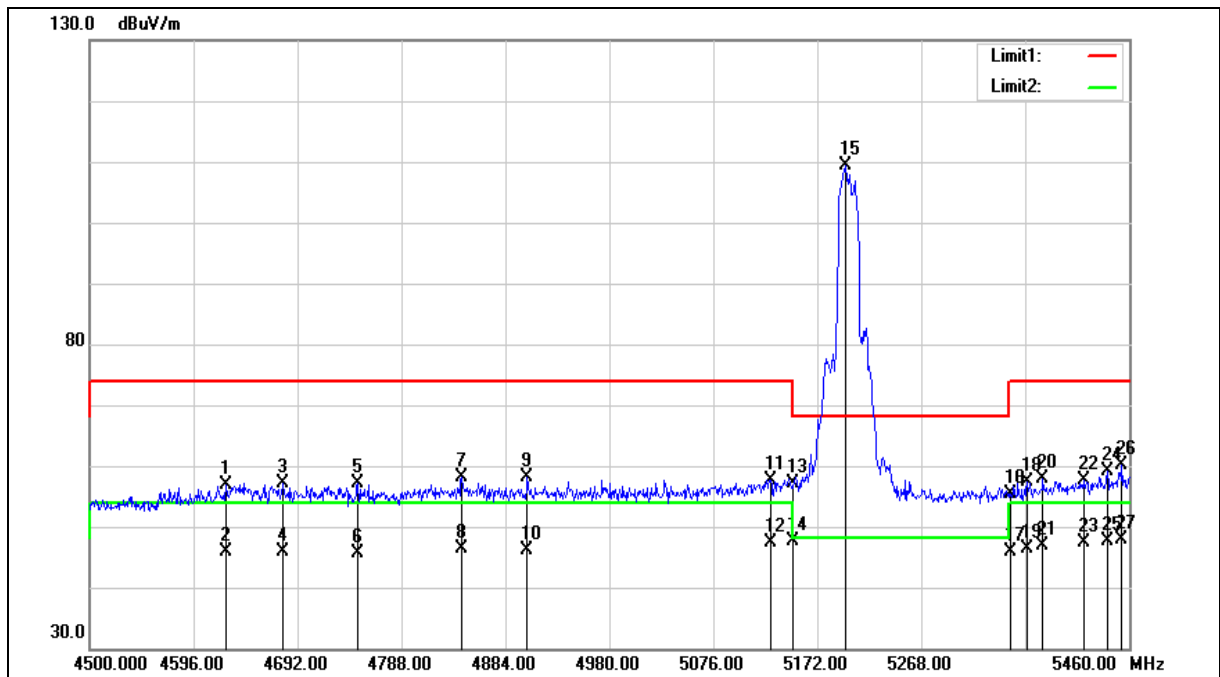
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 3		
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 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4625.760	51.50	5.37	56.87	74.00	-17.13	peak
2	4625.760	40.58	5.37	45.95	54.00	-8.05	AVG
3	4678.560	51.57	5.52	57.09	74.00	-16.91	peak
4	4678.560	40.40	5.52	45.92	54.00	-8.08	AVG
5	4747.680	51.47	5.73	57.20	74.00	-16.80	peak
6	4747.680	40.02	5.73	45.75	54.00	-8.25	AVG
7	4843.680	52.02	6.03	58.05	74.00	-15.95	peak
8	4843.680	40.46	6.03	46.49	54.00	-7.51	AVG
9	4904.160	52.03	6.21	58.24	74.00	-15.76	peak
10	4904.160	39.98	6.21	46.19	54.00	-7.81	AVG
11	5128.800	50.81	6.88	57.69	74.00	-16.31	peak
12	5128.800	40.45	6.88	47.33	54.00	-6.67	AVG
13	5150.000	50.14	6.94	57.08	74.00	-16.92	peak
14	5150.000	40.67	6.94	47.61	54.00	-6.39	AVG
15	5197.920	102.30	7.08	109.38	--	--	peak
16	5350.000	47.87	7.50	55.37	74.00	-18.63	peak
17	5350.000	38.47	7.50	45.97	54.00	-8.03	AVG
18	5365.920	49.75	7.55	57.30	74.00	-16.70	peak
19	5365.920	38.83	7.55	46.38	54.00	-7.62	AVG
20	5380.320	50.19	7.59	57.78	74.00	-16.22	peak
21	5380.320	39.22	7.59	46.81	54.00	-7.19	AVG
22	5417.760	50.01	7.70	57.71	74.00	-16.29	peak
23	5417.760	39.68	7.70	47.38	54.00	-6.62	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 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	5439.840	51.43	7.76	59.19	74.00	-14.81	peak
25	5439.840	39.86	7.76	47.62	54.00	-6.38	AVG
26	5453.280	52.39	7.80	60.19	74.00	-13.81	peak
27	5453.280	40.02	7.80	47.82	54.00	-6.18	AVG

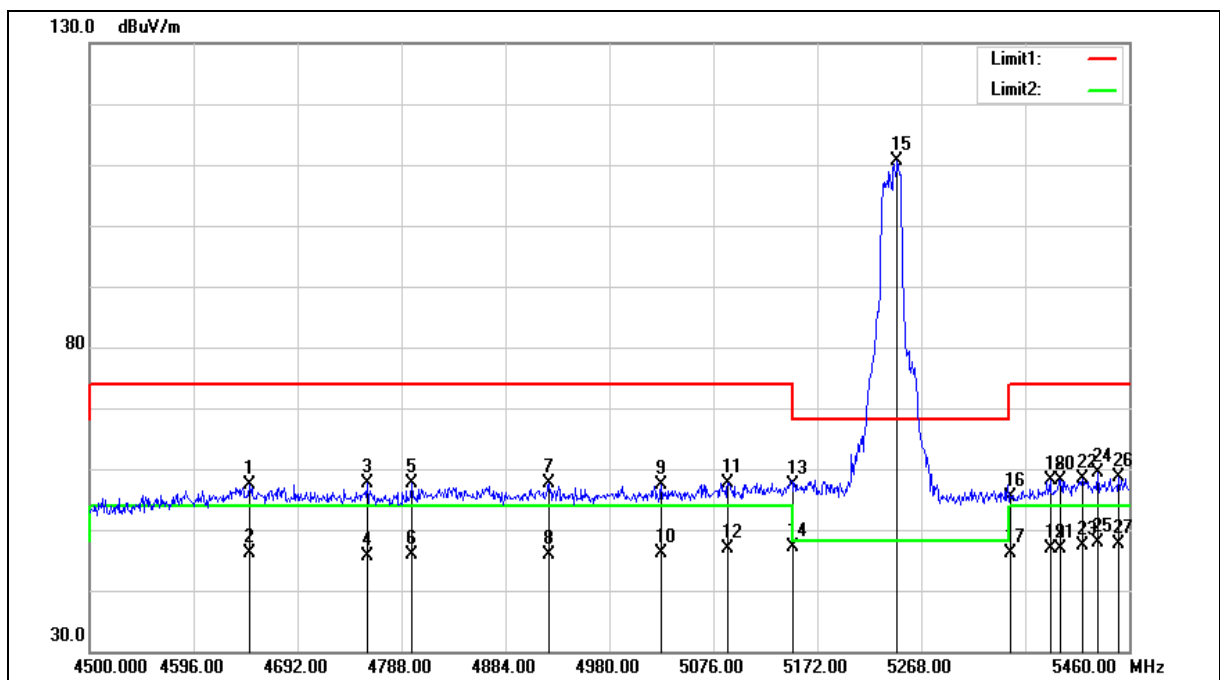
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4647.840	51.84	5.43	57.27	74.00	-16.73	peak
2	4647.840	40.73	5.43	46.16	54.00	-7.84	AVG
3	4756.320	51.83	5.76	57.59	74.00	-16.41	peak
4	4756.320	39.97	5.76	45.73	54.00	-8.27	AVG
5	4797.600	51.76	5.89	57.65	74.00	-16.35	peak
6	4797.600	40.04	5.89	45.93	54.00	-8.07	AVG
7	4924.320	51.23	6.28	57.51	74.00	-16.49	peak
8	4924.320	39.60	6.28	45.88	54.00	-8.12	AVG
9	5028.000	50.89	6.59	57.48	74.00	-16.52	peak
10	5028.000	39.45	6.59	46.04	54.00	-7.96	AVG
11	5089.440	50.94	6.76	57.70	74.00	-16.30	peak
12	5089.440	40.05	6.76	46.81	54.00	-7.19	AVG
13	5150.000	50.56	6.94	57.50	74.00	-16.50	peak
14	5150.000	40.11	6.94	47.05	54.00	-6.95	AVG
15	5245.920	103.51	7.21	110.72	--	--	peak
16	5350.000	47.77	7.50	55.27	74.00	-18.73	peak
17	5350.000	38.56	7.50	46.06	54.00	-7.94	AVG
18	5387.040	50.61	7.62	58.23	74.00	-15.77	peak
19	5387.040	39.21	7.62	46.83	54.00	-7.17	AVG
20	5396.640	50.52	7.64	58.16	74.00	-15.84	peak
21	5396.640	39.31	7.64	46.95	54.00	-7.05	AVG
22	5416.800	50.71	7.70	58.41	74.00	-15.59	peak
23	5416.800	39.67	7.70	47.37	54.00	-6.63	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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	5431.200	51.73	7.74	59.47	74.00	-14.53	peak
25	5431.200	40.04	7.74	47.78	54.00	-6.22	AVG
26	5450.400	50.77	7.79	58.56	74.00	-15.44	peak
27	5450.400	39.93	7.79	47.72	54.00	-6.28	AVG

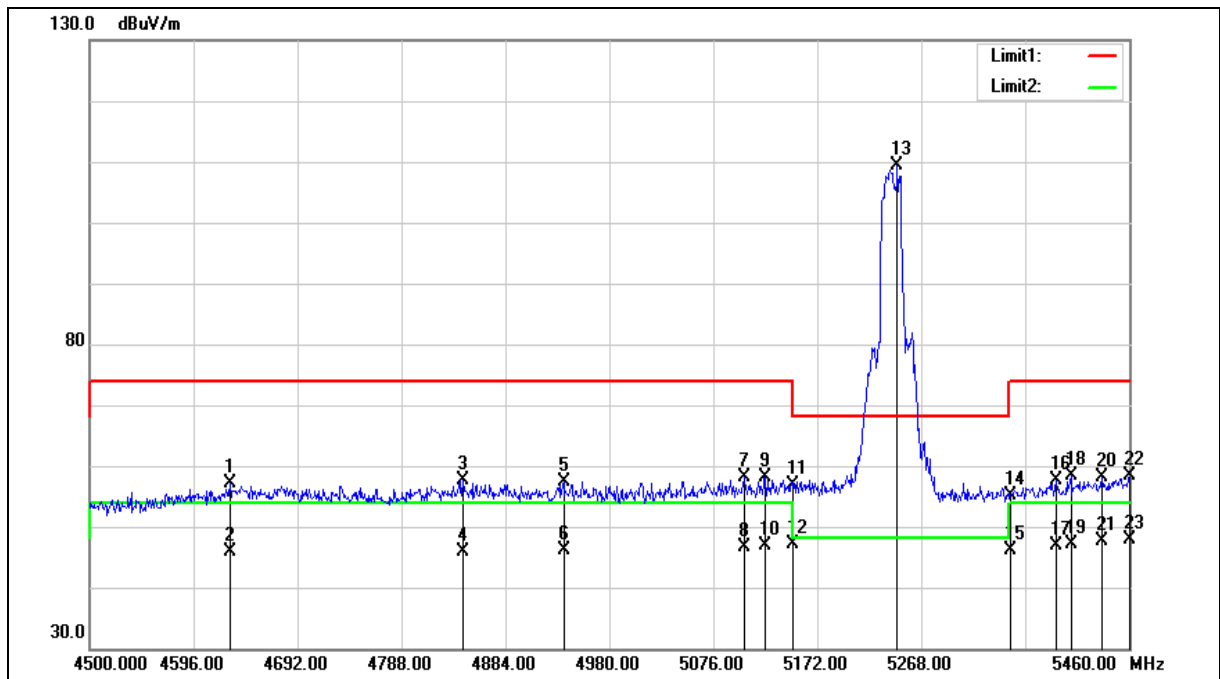
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Vertical		

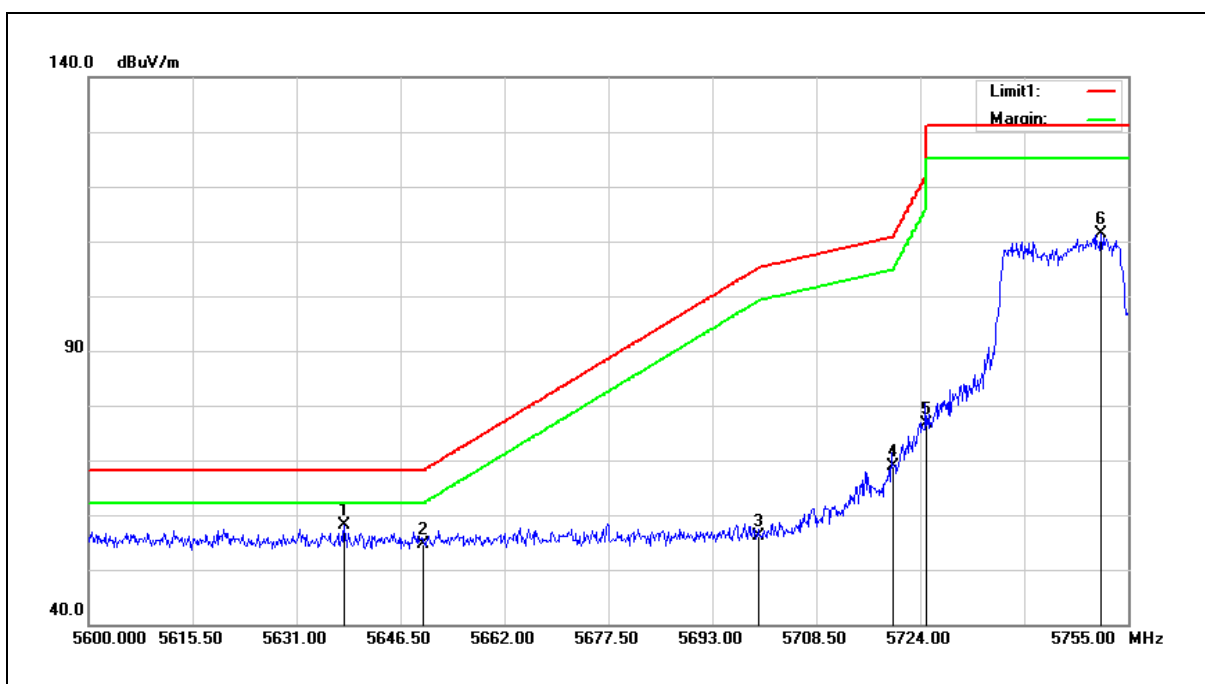
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4629.600	51.71	5.38	57.09	74.00	-16.91	peak
2	4629.600	40.55	5.38	45.93	54.00	-8.07	AVG
3	4844.640	51.65	6.04	57.69	74.00	-16.31	peak
4	4844.640	39.90	6.04	45.94	54.00	-8.06	AVG
5	4937.760	51.09	6.32	57.41	74.00	-16.59	peak
6	4937.760	39.72	6.32	46.04	54.00	-7.96	AVG
7	5104.800	51.36	6.80	58.16	74.00	-15.84	peak
8	5104.800	39.92	6.80	46.72	54.00	-7.28	AVG
9	5124.000	51.27	6.85	58.12	74.00	-15.88	peak
10	5124.000	40.08	6.85	46.93	54.00	-7.07	AVG
11	5150.000	49.85	6.94	56.79	74.00	-17.21	peak
12	5150.000	40.26	6.94	47.20	54.00	-6.80	AVG
13	5245.920	102.16	7.21	109.37	--	--	peak
14	5350.000	47.54	7.50	55.04	74.00	-18.96	peak
15	5350.000	38.55	7.50	46.05	54.00	-7.95	AVG
16	5392.800	49.96	7.63	57.59	74.00	-16.41	peak
17	5392.800	39.22	7.63	46.85	54.00	-7.15	AVG
18	5406.240	50.80	7.67	58.47	74.00	-15.53	peak
19	5406.240	39.41	7.67	47.08	54.00	-6.92	AVG
20	5435.040	50.46	7.75	58.21	74.00	-15.79	peak
21	5435.040	39.99	7.75	47.74	54.00	-6.26	AVG
22	5460.000	50.50	7.82	58.32	74.00	-15.68	peak
23	5460.000	40.18	7.82	48.00	54.00	-6.00	AVG

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

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

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

Standard:	FCC Part 15.407	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 3		
Ant.Polar.:	Horizontal		



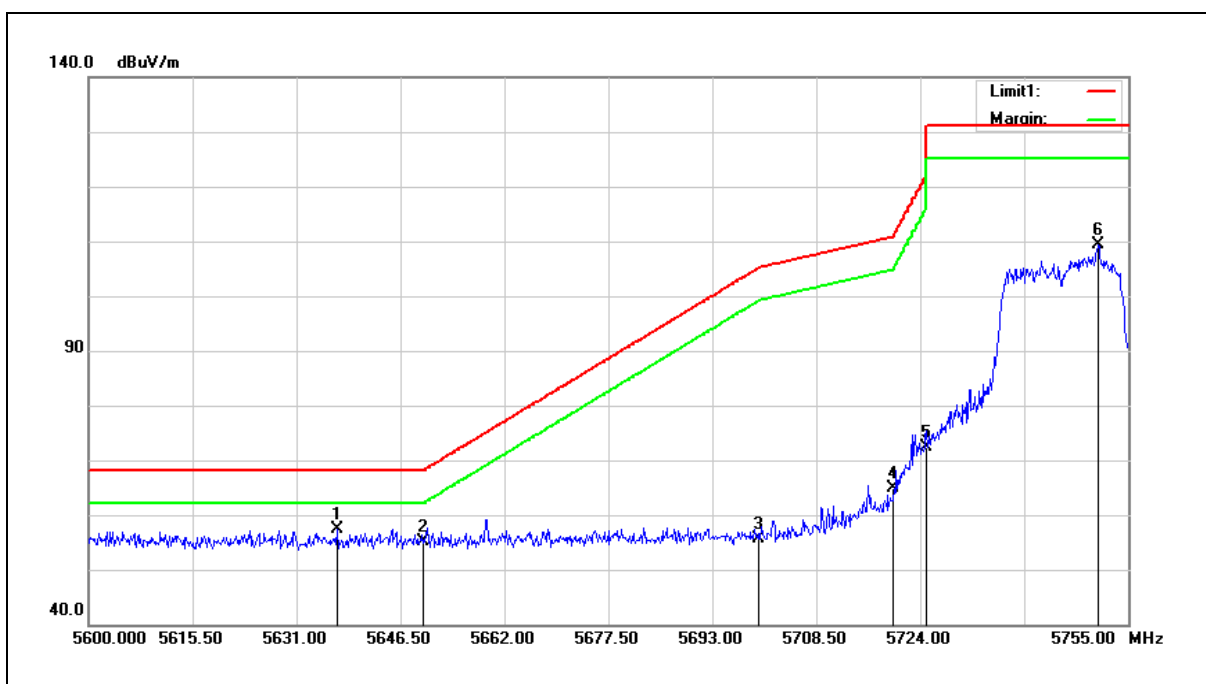
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5638.130	49.79	8.22	58.01	68.20	-10.19	peak
2	5650.000	46.48	8.24	54.72	68.20	-13.48	peak
3	5700.000	47.87	8.34	56.21	105.20	-48.99	peak
4	5720.000	60.57	8.38	68.95	110.80	-41.85	peak
5	5725.000	68.27	8.39	76.66	122.20	-45.54	peak
6	5750.970	102.83	8.44	111.27	--	--	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5637.045	49.27	8.21	57.48	68.20	-10.72	peak
2	5650.000	46.94	8.24	55.18	68.20	-13.02	peak
3	5700.000	47.34	8.34	55.68	105.20	-49.52	peak
4	5720.000	56.39	8.38	64.77	110.80	-46.03	peak
5	5725.000	63.93	8.39	72.32	122.20	-49.88	peak
6	5750.505	100.92	8.44	109.36	--	--	peak

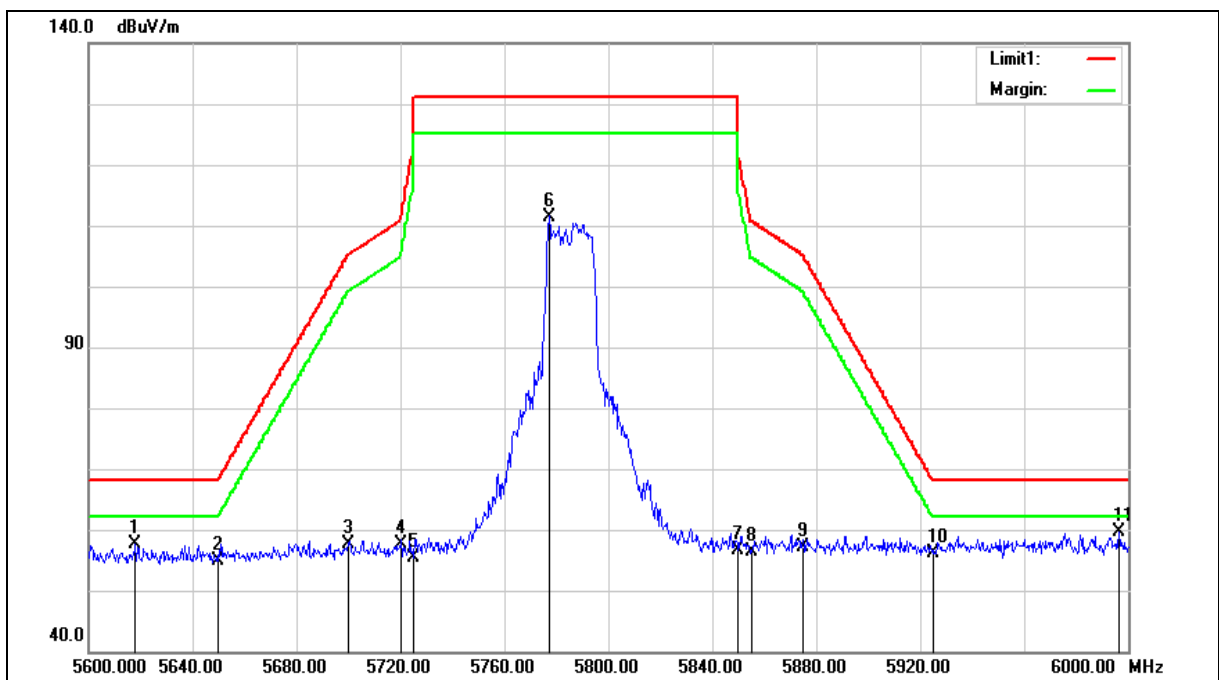
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5618.000	49.46	8.17	57.63	68.20	-10.57	peak
2	5650.000	46.56	8.24	54.80	68.20	-13.40	peak
3	5700.000	49.35	8.34	57.69	105.20	-47.51	peak
4	5720.000	49.19	8.38	57.57	110.80	-53.23	peak
5	5725.000	47.04	8.39	55.43	122.20	-66.77	peak
6	5777.200	103.01	8.49	111.50	--	--	peak
7	5850.000	48.11	8.63	56.74	122.20	-65.46	peak
8	5855.000	47.70	8.64	56.34	110.80	-54.46	peak
9	5875.000	48.43	8.69	57.12	105.20	-48.08	peak
10	5925.000	47.28	8.79	56.07	68.20	-12.13	peak
11	5996.400	50.77	8.94	59.71	68.20	-8.49	peak

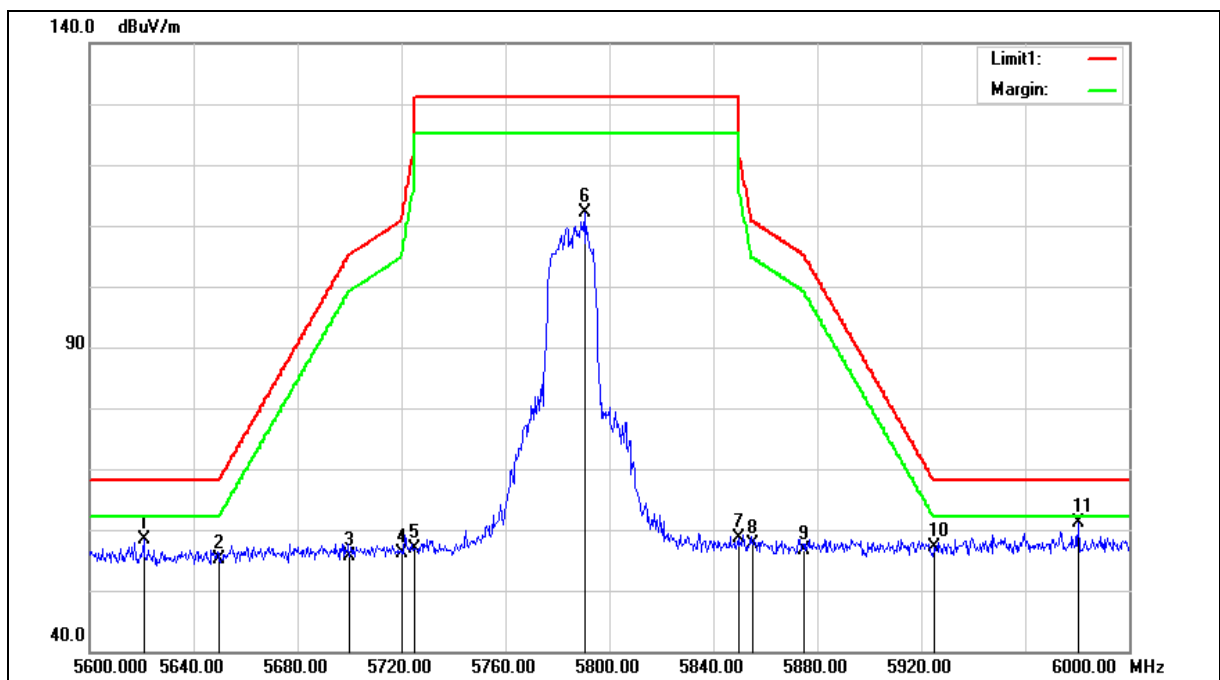
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
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 3		
Ant.Polar.:	Vertical		

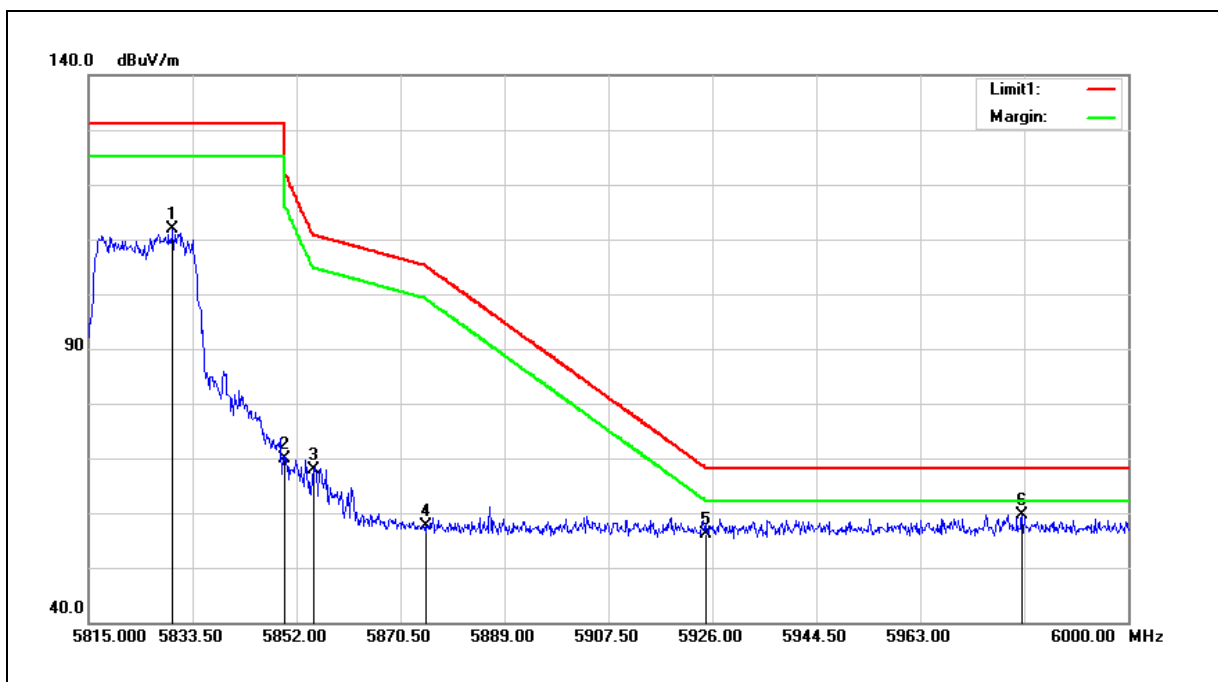
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.800	50.17	8.17	58.34	68.20	-9.86	peak
2	5650.000	46.94	8.24	55.18	68.20	-13.02	peak
3	5700.000	47.25	8.34	55.59	105.20	-49.61	peak
4	5720.000	47.66	8.38	56.04	110.80	-54.76	peak
5	5725.000	48.53	8.39	56.92	122.20	-65.28	peak
6	5790.400	103.72	8.51	112.23	--	--	peak
7	5850.000	49.96	8.63	58.59	122.20	-63.61	peak
8	5855.000	49.02	8.64	57.66	110.80	-53.14	peak
9	5875.000	47.87	8.69	56.56	105.20	-48.64	peak
10	5925.000	48.45	8.79	57.24	68.20	-10.96	peak
11	5980.400	52.14	8.90	61.04	68.20	-7.16	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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



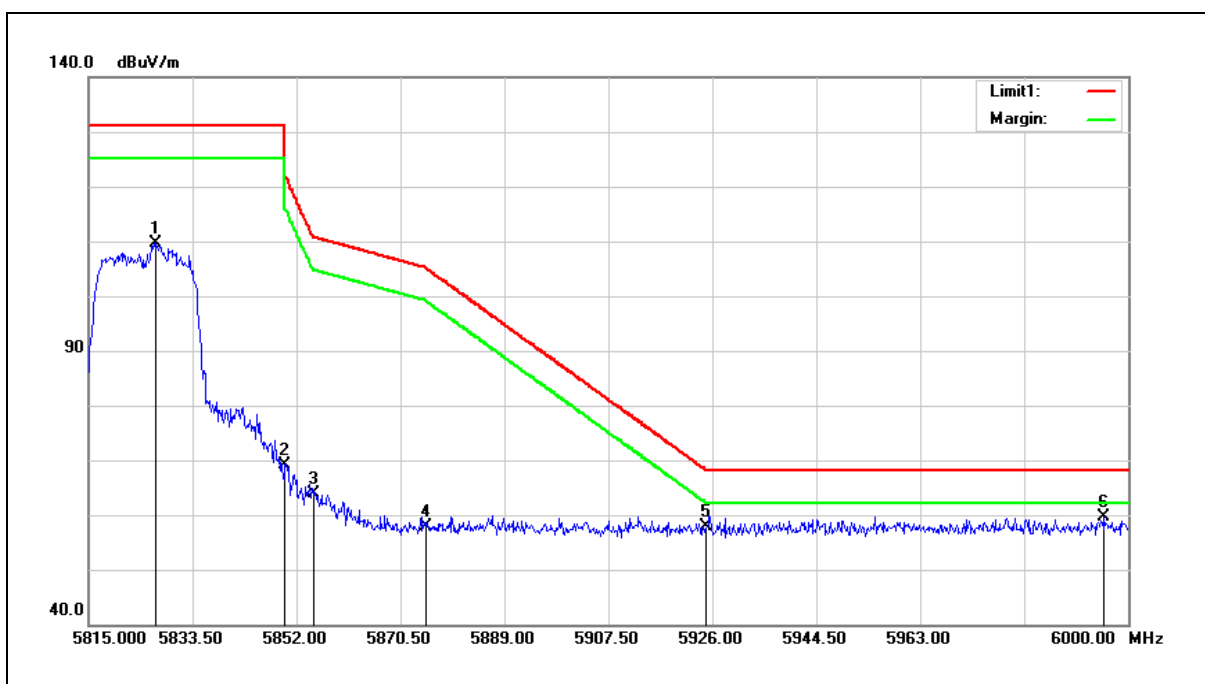
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5829.985	103.19	8.59	111.78	--	--	peak
2	5850.000	61.27	8.63	69.90	122.20	-52.30	peak
3	5855.000	59.35	8.64	67.99	110.80	-42.81	peak
4	5875.000	48.91	8.69	57.60	105.20	-47.60	peak
5	5925.000	47.44	8.79	56.23	68.20	-11.97	peak
6	5981.130	50.77	8.90	59.67	68.20	-8.53	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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.025	101.16	8.59	109.75	--	--	peak
2	5850.000	60.61	8.63	69.24	122.20	-52.96	peak
3	5855.000	55.31	8.64	63.95	110.80	-46.85	peak
4	5875.000	49.31	8.69	58.00	105.20	-47.20	peak
5	5925.000	48.98	8.79	57.77	68.20	-10.43	peak
6	5995.745	50.71	8.94	59.65	68.20	-8.55	peak

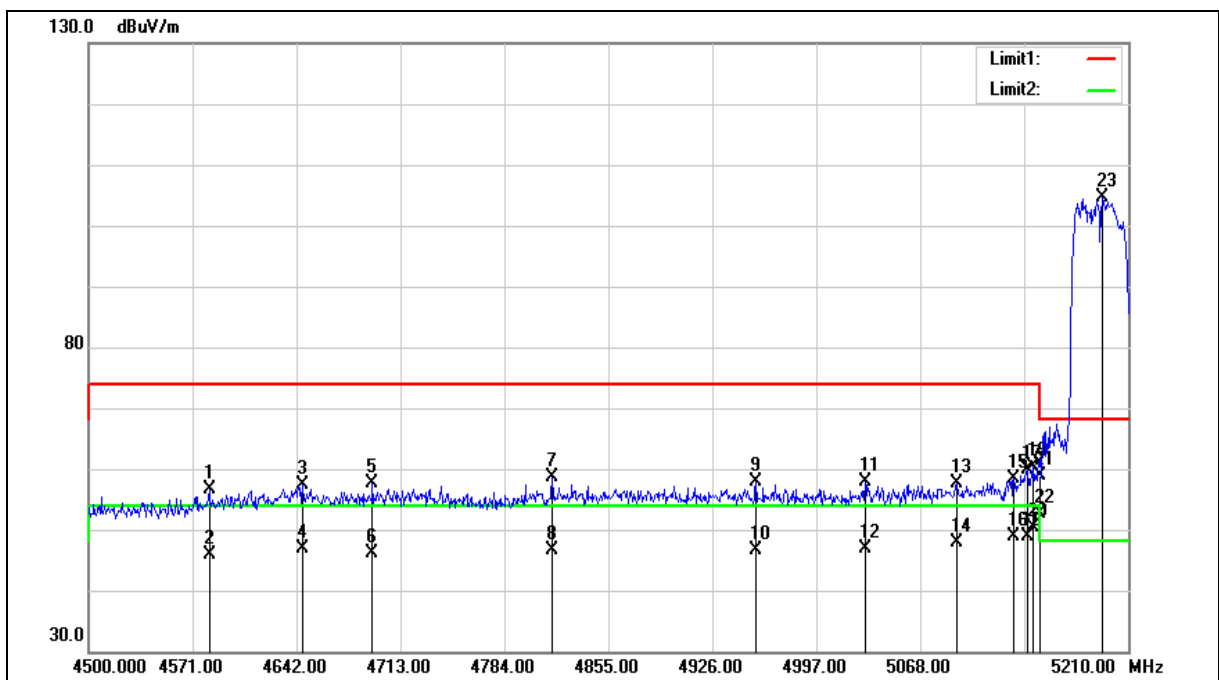
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 4		
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 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4582.360	51.31	5.23	56.54	74.00	-17.46	peak
2	4582.360	40.59	5.23	45.82	54.00	-8.18	AVG
3	4646.260	52.06	5.42	57.48	74.00	-16.52	peak
4	4646.260	41.40	5.42	46.82	54.00	-7.18	AVG
5	4693.830	52.03	5.58	57.61	74.00	-16.39	peak
6	4693.830	40.55	5.58	46.13	54.00	-7.87	AVG
7	4816.660	52.65	5.95	58.60	74.00	-15.40	peak
8	4816.660	40.66	5.95	46.61	54.00	-7.39	AVG
9	4955.820	51.62	6.37	57.99	74.00	-16.01	peak
10	4955.820	40.20	6.37	46.57	54.00	-7.43	AVG
11	5030.370	51.37	6.59	57.96	74.00	-16.04	peak
12	5030.370	40.25	6.59	46.84	54.00	-7.16	AVG
13	5092.850	50.92	6.77	57.69	74.00	-16.31	peak
14	5092.850	41.04	6.77	47.81	54.00	-6.19	AVG
15	5131.900	51.42	6.89	58.31	74.00	-15.69	peak
16	5131.900	42.04	6.89	48.93	54.00	-5.07	AVG
17	5141.130	53.07	6.91	59.98	74.00	-14.02	peak
18	5141.130	41.92	6.91	48.83	54.00	-5.17	AVG
19	5145.390	53.37	6.93	60.30	74.00	-13.70	peak
20	5145.390	43.55	6.93	50.48	54.00	-3.52	AVG
21	5150.000	52.00	6.94	58.94	74.00	-15.06	peak
22	5150.000	45.69	6.94	52.63	54.00	-1.37	AVG
23	5192.250	97.53	7.06	104.59	--	--	peak

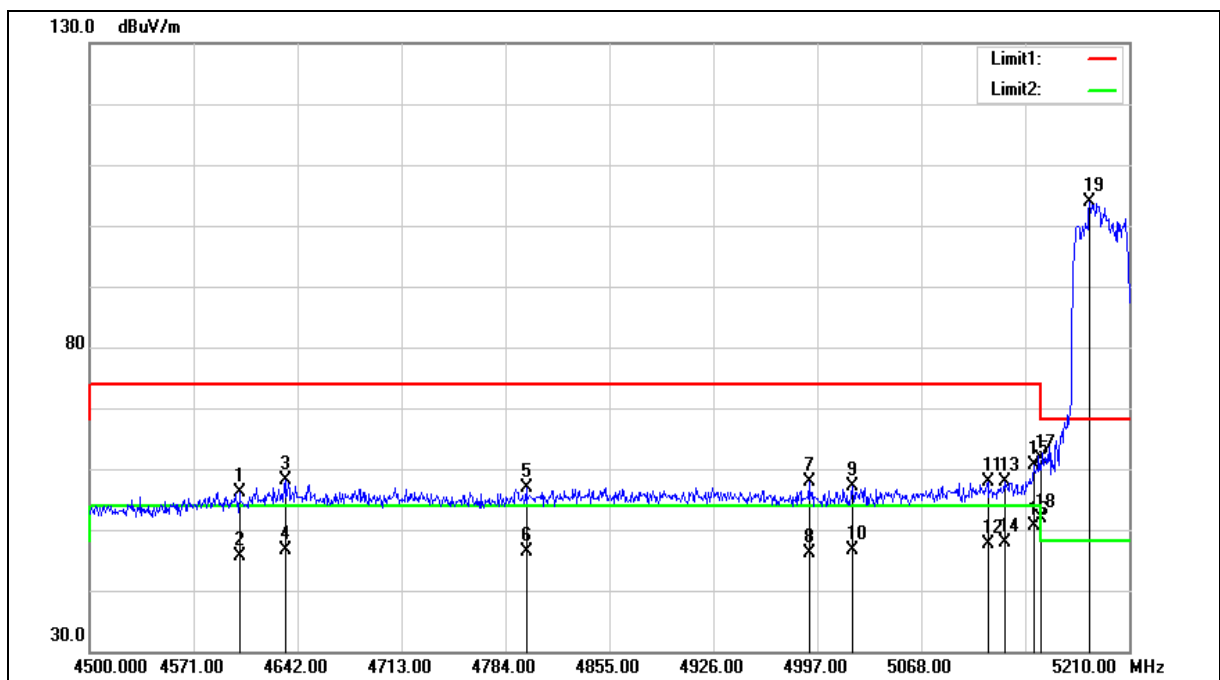
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
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 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4602.240	50.82	5.29	56.11	74.00	-17.89	peak
2	4602.240	40.43	5.29	45.72	54.00	-8.28	AVG
3	4633.480	52.77	5.38	58.15	74.00	-15.85	peak
4	4633.480	41.21	5.38	46.59	54.00	-7.41	AVG
5	4798.200	50.87	5.90	56.77	74.00	-17.23	peak
6	4798.200	40.48	5.90	46.38	54.00	-7.62	AVG
7	4991.320	51.49	6.48	57.97	74.00	-16.03	peak
8	4991.320	39.70	6.48	46.18	54.00	-7.82	AVG
9	5021.140	50.55	6.57	57.12	74.00	-16.88	peak
10	5021.140	40.16	6.57	46.73	54.00	-7.27	AVG
11	5113.440	51.14	6.82	57.96	74.00	-16.04	peak
12	5113.440	40.75	6.82	47.57	54.00	-6.43	AVG
13	5124.800	51.06	6.85	57.91	74.00	-16.09	peak
14	5124.800	41.09	6.85	47.94	54.00	-6.06	AVG
15	5144.680	53.83	6.92	60.75	74.00	-13.25	peak
16	5144.680	43.64	6.92	50.56	54.00	-3.44	AVG
17	5150.000	54.74	6.94	61.68	74.00	-12.32	peak
18	5150.000	44.91	6.94	51.85	54.00	-2.15	AVG
19	5183.020	96.75	7.03	103.78	--	--	peak

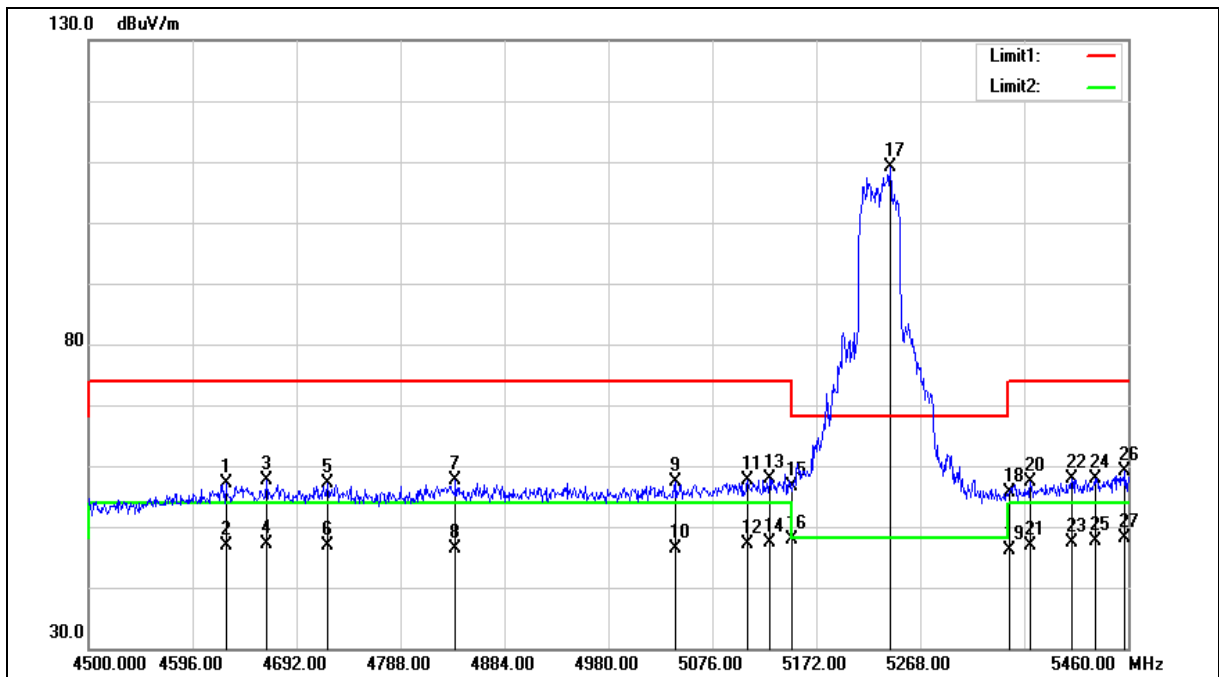
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
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 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4626.720	51.78	5.37	57.15	74.00	-16.85	peak
2	4626.720	41.44	5.37	46.81	54.00	-7.19	AVG
3	4664.160	52.12	5.48	57.60	74.00	-16.40	peak
4	4664.160	41.61	5.48	47.09	54.00	-6.91	AVG
5	4720.800	51.35	5.66	57.01	74.00	-16.99	peak
6	4720.800	41.24	5.66	46.90	54.00	-7.10	AVG
7	4838.880	51.58	6.02	57.60	74.00	-16.40	peak
8	4838.880	40.41	6.02	46.43	54.00	-7.57	AVG
9	5042.400	50.68	6.63	57.31	74.00	-16.69	peak
10	5042.400	39.77	6.63	46.40	54.00	-7.60	AVG
11	5108.640	50.87	6.82	57.69	74.00	-16.31	peak
12	5108.640	40.31	6.82	47.13	54.00	-6.87	AVG
13	5128.800	51.06	6.88	57.94	74.00	-16.06	peak
14	5128.800	40.60	6.88	47.48	54.00	-6.52	AVG
15	5150.000	49.76	6.94	56.70	74.00	-17.30	peak
16	5150.000	40.92	6.94	47.86	54.00	-6.14	AVG
17	5240.160	101.95	7.19	109.14	--	--	peak
18	5350.000	48.18	7.50	55.68	74.00	-18.32	peak
19	5350.000	38.71	7.50	46.21	54.00	-7.79	AVG
20	5369.760	49.92	7.56	57.48	74.00	-16.52	peak
21	5369.760	39.38	7.56	46.94	54.00	-7.06	AVG
22	5408.160	50.09	7.67	57.76	74.00	-16.24	peak
23	5408.160	39.80	7.67	47.47	54.00	-6.53	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:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	5429.280	50.06	7.73	57.79	74.00	-16.21	peak
25	5429.280	39.99	7.73	47.72	54.00	-6.28	AVG
26	5457.120	51.29	7.81	59.10	74.00	-14.90	peak
27	5457.120	40.42	7.81	48.23	54.00	-5.77	AVG

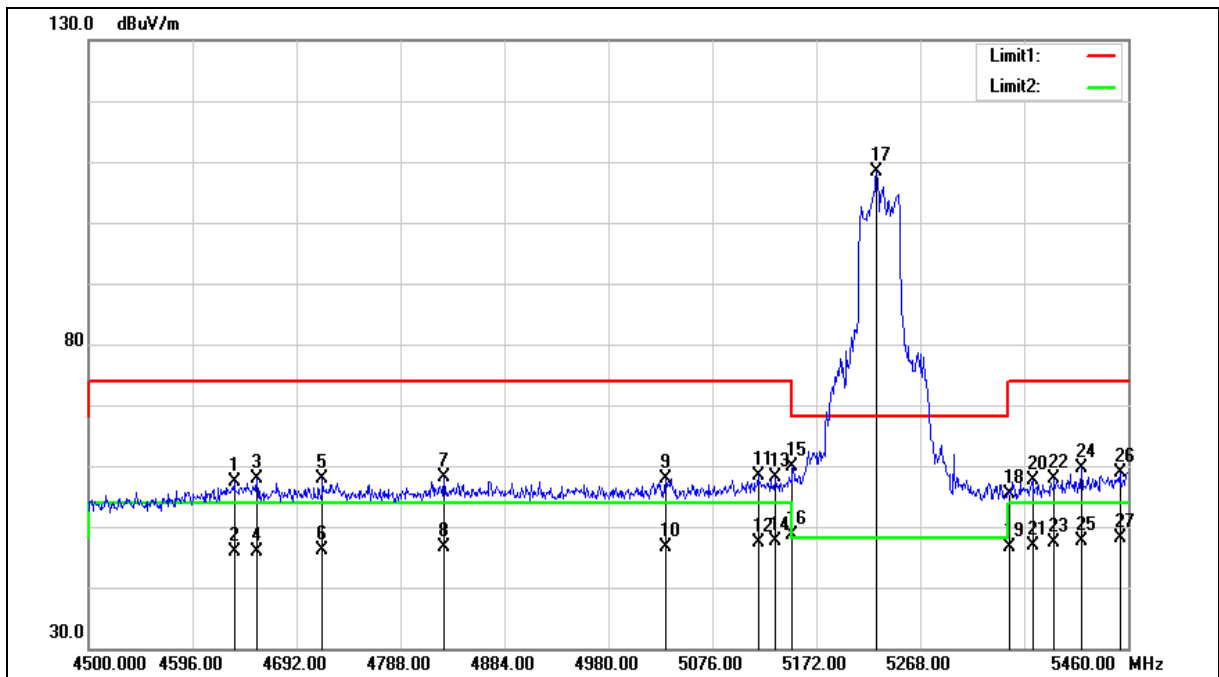
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 4		
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 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4634.400	51.88	5.39	57.27	74.00	-16.73	peak
2	4634.400	40.43	5.39	45.82	54.00	-8.18	AVG
3	4655.520	52.31	5.45	57.76	74.00	-16.24	peak
4	4655.520	40.52	5.45	45.97	54.00	-8.03	AVG
5	4716.000	52.20	5.64	57.84	74.00	-16.16	peak
6	4716.000	40.60	5.64	46.24	54.00	-7.76	AVG
7	4828.320	52.07	5.98	58.05	74.00	-15.95	peak
8	4828.320	40.54	5.98	46.52	54.00	-7.48	AVG
9	5032.800	51.32	6.60	57.92	74.00	-16.08	peak
10	5032.800	39.97	6.60	46.57	54.00	-7.43	AVG
11	5118.240	51.64	6.84	58.48	74.00	-15.52	peak
12	5118.240	40.47	6.84	47.31	54.00	-6.69	AVG
13	5134.560	51.27	6.89	58.16	74.00	-15.84	peak
14	5134.560	40.81	6.89	47.70	54.00	-6.30	AVG
15	5150.000	52.89	6.94	59.83	74.00	-14.17	peak
16	5150.000	41.80	6.94	48.74	54.00	-5.26	AVG
17	5227.680	101.26	7.16	108.42	--	--	peak
18	5350.000	48.00	7.50	55.50	74.00	-18.50	peak
19	5350.000	39.07	7.50	46.57	54.00	-7.43	AVG
20	5371.680	50.06	7.56	57.62	74.00	-16.38	peak
21	5371.680	39.27	7.56	46.83	54.00	-7.17	AVG
22	5391.840	50.26	7.63	57.89	74.00	-16.11	peak
23	5391.840	39.77	7.63	47.40	54.00	-6.60	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 4		
Ant.Polar.:	Vertical		

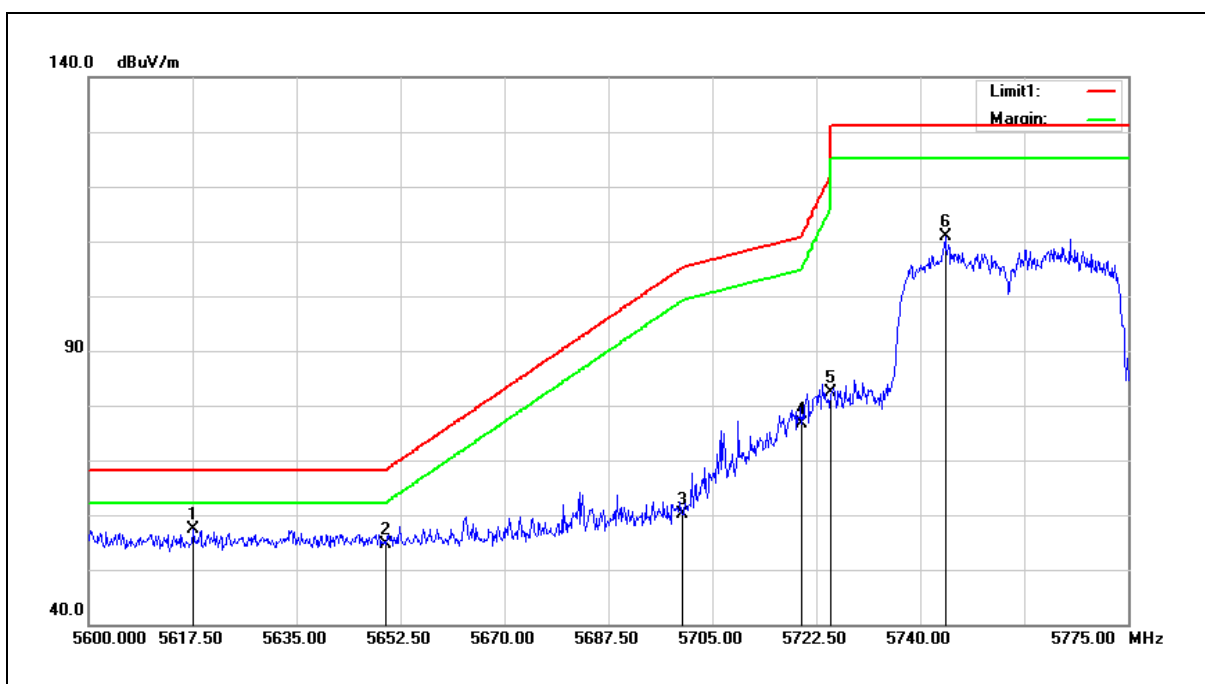
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	5416.800	51.88	7.70	59.58	74.00	-14.42	peak
25	5416.800	40.01	7.70	47.71	54.00	-6.29	AVG
26	5452.320	51.17	7.79	58.96	74.00	-15.04	peak
27	5452.320	40.46	7.79	48.25	54.00	-5.75	AVG

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Horizontal		



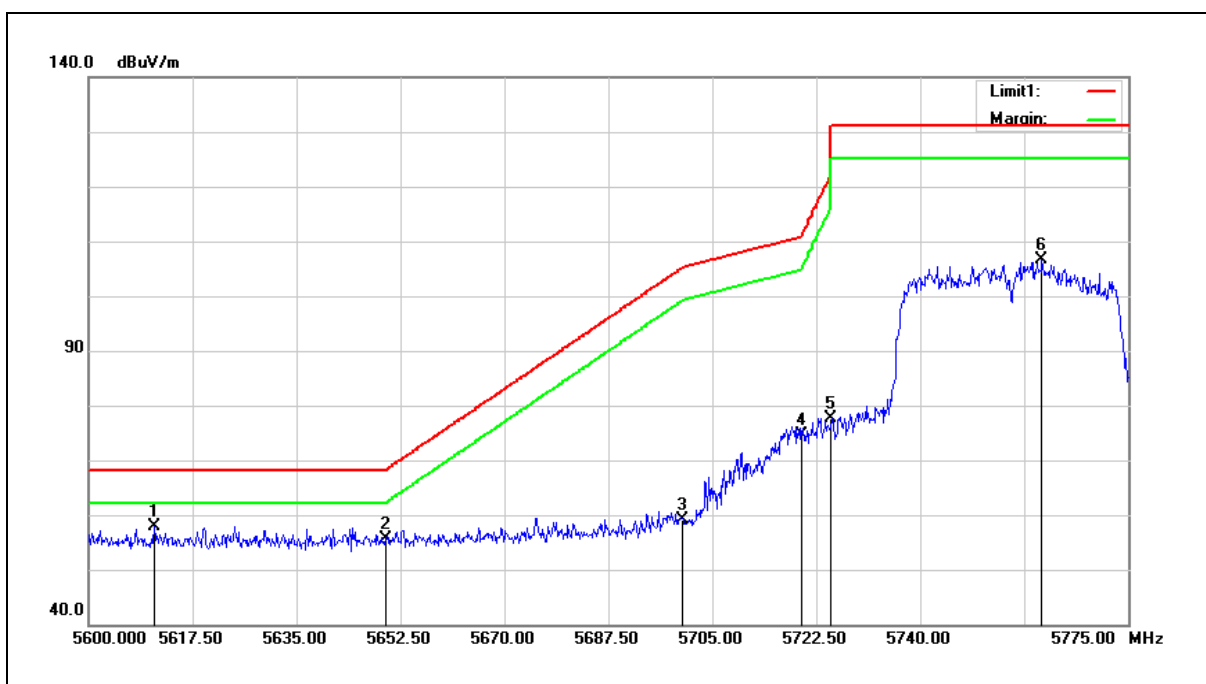
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.675	49.17	8.17	57.34	68.20	-10.86	peak
2	5650.000	46.27	8.24	54.51	68.20	-13.69	peak
3	5700.000	51.73	8.34	60.07	105.20	-45.13	peak
4	5720.000	68.25	8.38	76.63	110.80	-34.17	peak
5	5725.000	73.91	8.39	82.30	122.20	-39.90	peak
6	5744.200	102.56	8.42	110.98	--	--	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Vertical		



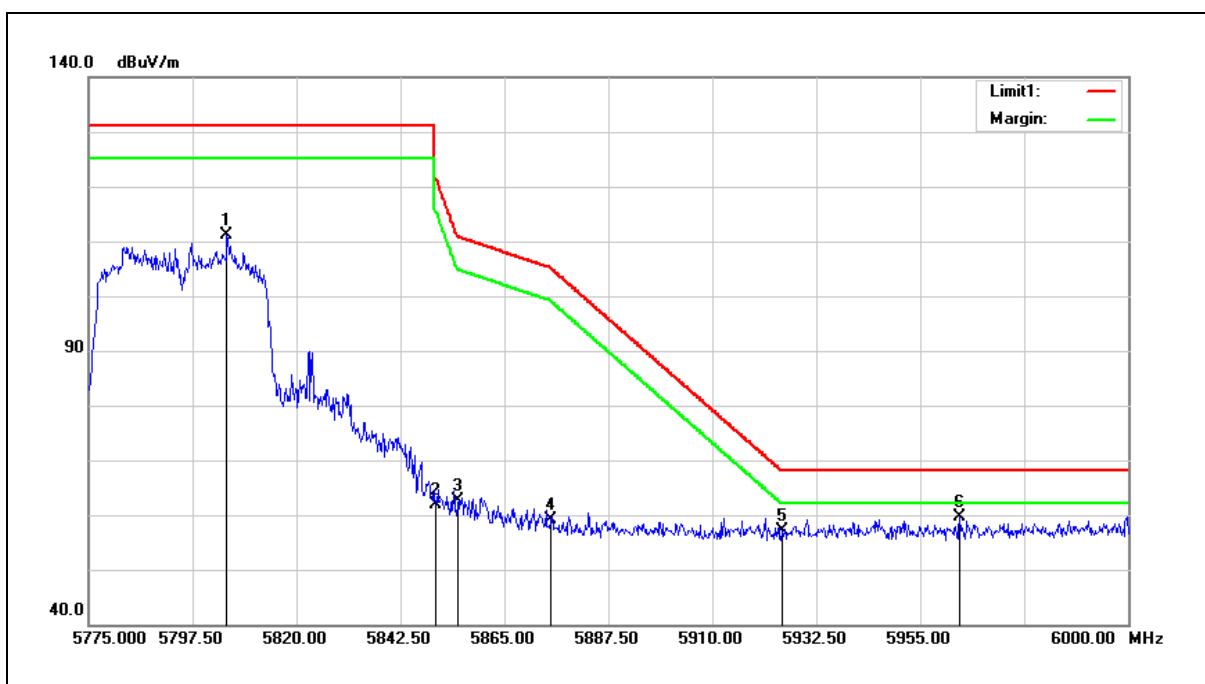
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5611.025	49.72	8.15	57.87	68.20	-10.33	peak
2	5650.000	47.38	8.24	55.62	68.20	-12.58	peak
3	5700.000	50.88	8.34	59.22	105.20	-45.98	peak
4	5720.000	66.27	8.38	74.65	110.80	-36.15	peak
5	5725.000	69.24	8.39	77.63	122.20	-44.57	peak
6	5760.475	98.14	8.46	106.60	--	--	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Horizontal		



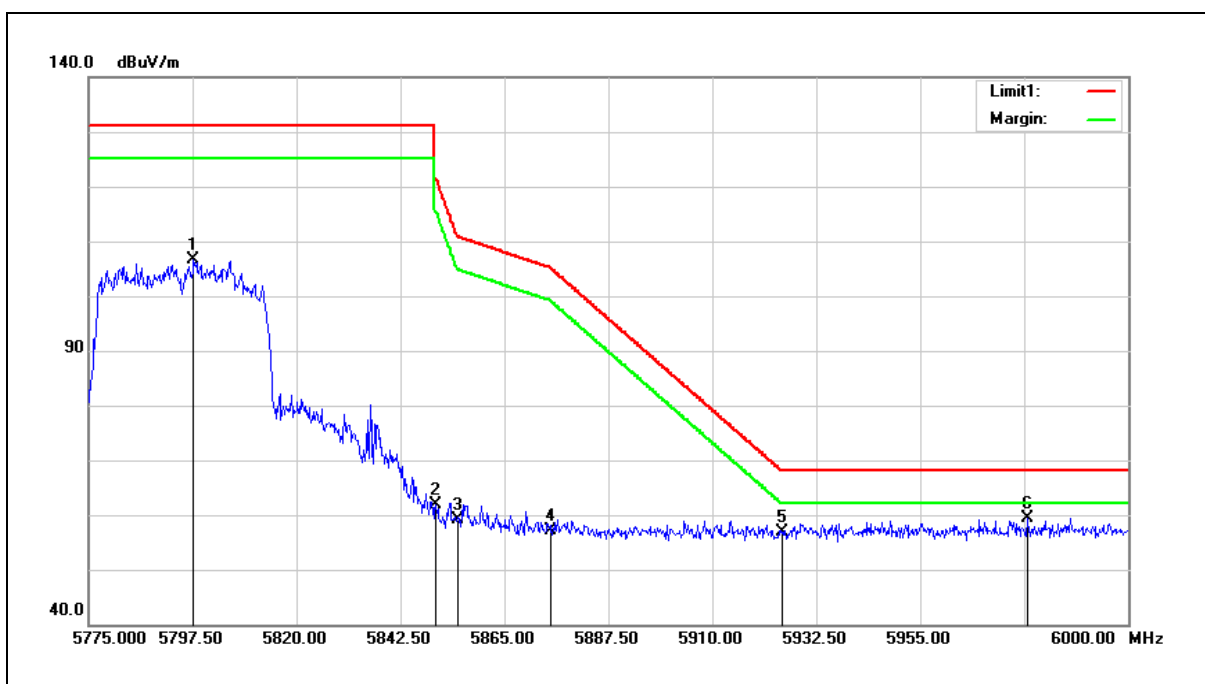
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5804.925	102.66	8.54	111.20	--	--	peak
2	5850.000	53.31	8.63	61.94	122.20	-60.26	peak
3	5855.000	53.94	8.64	62.58	110.80	-48.22	peak
4	5875.000	50.43	8.69	59.12	105.20	-46.08	peak
5	5925.000	48.25	8.79	57.04	68.20	-11.16	peak
6	5963.550	50.67	8.86	59.53	68.20	-8.67	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5797.725	98.01	8.53	106.54	--	--	peak
2	5850.000	53.35	8.63	61.98	122.20	-60.22	peak
3	5855.000	50.47	8.64	59.11	110.80	-51.69	peak
4	5875.000	48.44	8.69	57.13	105.20	-48.07	peak
5	5925.000	48.15	8.79	56.94	68.20	-11.26	peak
6	5978.175	50.46	8.90	59.36	68.20	-8.84	peak

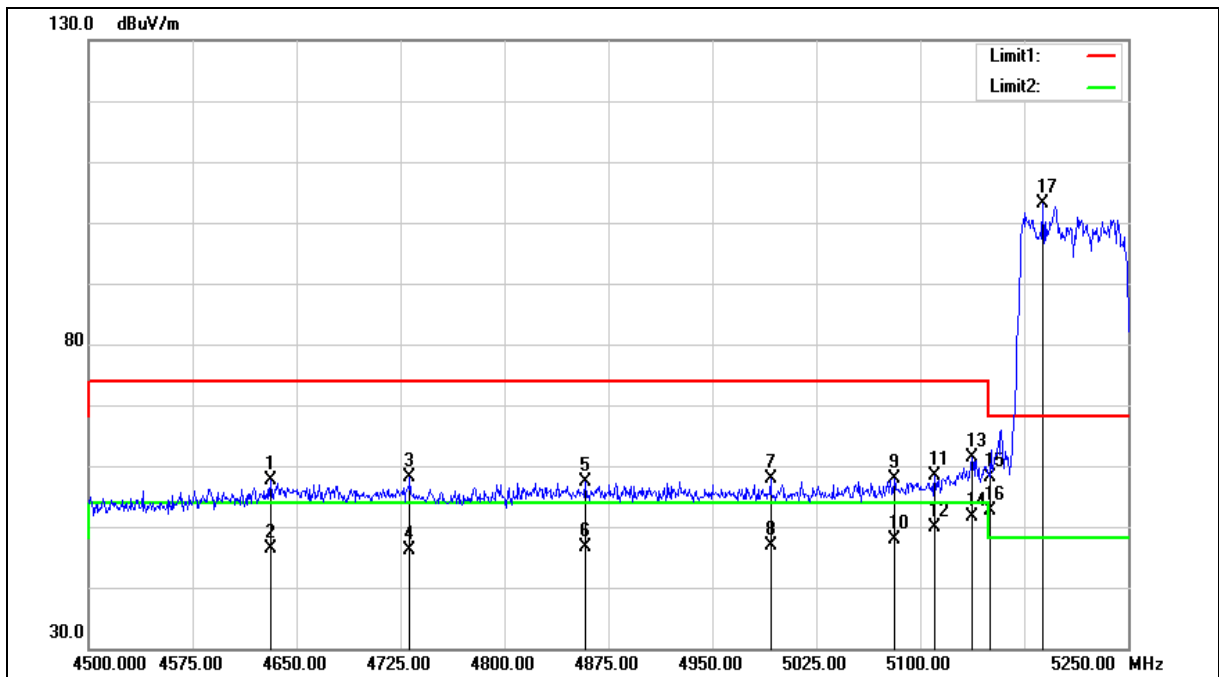
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.



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 5		
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 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4631.250	52.33	5.38	57.71	74.00	-16.29	peak
2	4631.250	40.89	5.38	46.27	54.00	-7.73	AVG
3	4731.750	52.43	5.69	58.12	74.00	-15.88	peak
4	4731.750	40.37	5.69	46.06	54.00	-7.94	AVG
5	4858.500	51.38	6.08	57.46	74.00	-16.54	peak
6	4858.500	40.43	6.08	46.51	54.00	-7.49	AVG
7	4992.000	51.30	6.48	57.78	74.00	-16.22	peak
8	4992.000	40.34	6.48	46.82	54.00	-7.18	AVG
9	5081.250	51.18	6.74	57.92	74.00	-16.08	peak
10	5081.250	41.13	6.74	47.87	54.00	-6.13	AVG
11	5110.500	51.46	6.82	58.28	74.00	-15.72	peak
12	5110.500	43.11	6.82	49.93	54.00	-4.07	AVG
13	5137.500	54.58	6.91	61.49	74.00	-12.51	peak
14	5137.500	44.81	6.91	51.72	54.00	-2.28	AVG
15	5150.000	51.21	6.94	58.15	74.00	-15.85	peak
16	5150.000	45.59	6.94	52.53	54.00	-1.47	AVG
17	5188.500	95.97	7.05	103.02	--	--	peak

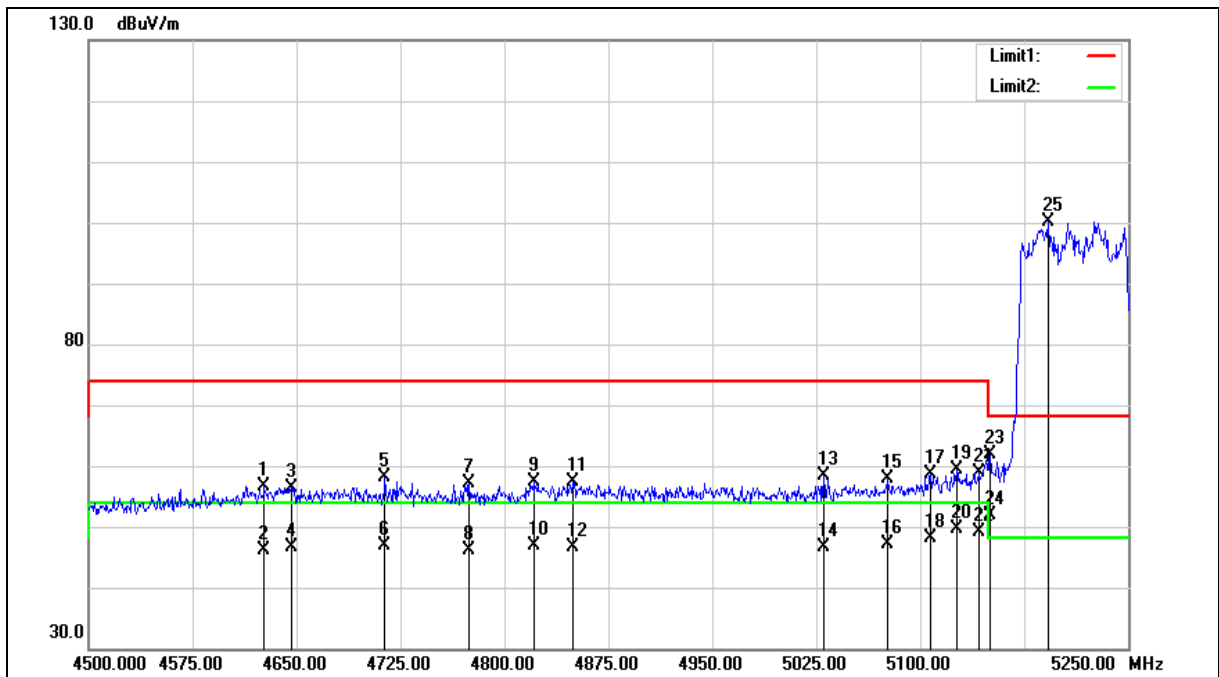
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 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:	5210 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	4626.750	51.25	5.37	56.62	74.00	-17.38	peak
2	4626.750	40.77	5.37	46.14	54.00	-7.86	AVG
3	4646.250	51.06	5.42	56.48	74.00	-17.52	peak
4	4646.250	41.32	5.42	46.74	54.00	-7.26	AVG
5	4713.750	52.40	5.63	58.03	74.00	-15.97	peak
6	4713.750	41.20	5.63	46.83	54.00	-7.17	AVG
7	4774.500	51.34	5.81	57.15	74.00	-16.85	peak
8	4774.500	40.41	5.81	46.22	54.00	-7.78	AVG
9	4821.000	51.44	5.96	57.40	74.00	-16.60	peak
10	4821.000	40.92	5.96	46.88	54.00	-7.12	AVG
11	4849.500	51.43	6.05	57.48	74.00	-16.52	peak
12	4849.500	40.67	6.05	46.72	54.00	-7.28	AVG
13	5030.250	51.87	6.59	58.46	74.00	-15.54	peak
14	5030.250	40.12	6.59	46.71	54.00	-7.29	AVG
15	5076.750	51.07	6.73	57.80	74.00	-16.20	peak
16	5076.750	40.38	6.73	47.11	54.00	-6.89	AVG
17	5107.500	51.89	6.81	58.70	74.00	-15.30	peak
18	5107.500	41.28	6.81	48.09	54.00	-5.91	AVG
19	5126.250	52.54	6.88	59.42	74.00	-14.58	peak
20	5126.250	42.72	6.88	49.60	54.00	-4.40	AVG
21	5142.000	51.95	6.92	58.87	74.00	-15.13	peak
22	5142.000	42.30	6.92	49.22	54.00	-4.78	AVG
23	5150.000	54.91	6.94	61.85	74.00	-12.15	peak
24	5150.000	44.94	6.94	51.88	54.00	-2.12	AVG
25	5192.250	93.18	7.06	100.24	--	--	peak

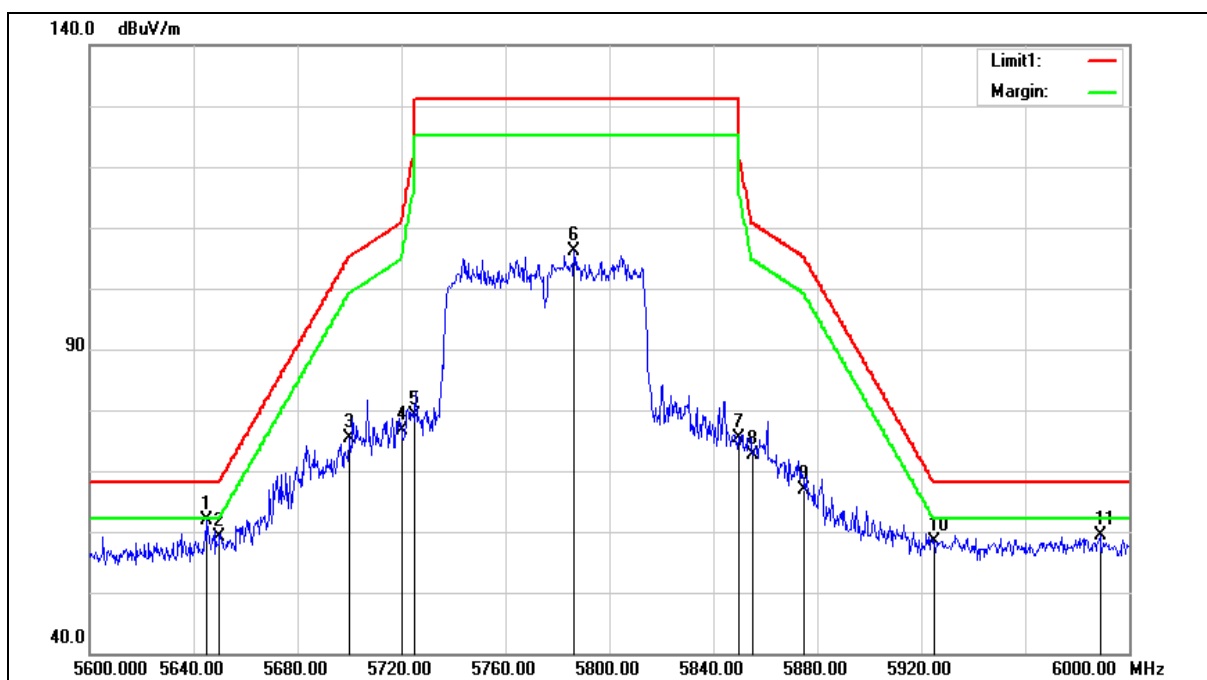
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 5		
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 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.200	53.56	8.23	61.79	68.20	-6.41	peak
2	5650.000	50.84	8.24	59.08	68.20	-9.12	peak
3	5700.000	66.99	8.34	75.33	105.20	-29.87	peak
4	5720.000	68.15	8.38	76.53	110.80	-34.27	peak
5	5725.000	70.72	8.39	79.11	122.20	-43.09	peak
6	5786.400	97.72	8.51	106.23	--	--	peak
7	5850.000	66.83	8.63	75.46	122.20	-46.74	peak
8	5855.000	63.97	8.64	72.61	110.80	-38.19	peak
9	5875.000	58.10	8.69	66.79	105.20	-38.41	peak
10	5925.000	49.48	8.79	58.27	68.20	-9.93	peak
11	5988.800	50.46	8.92	59.38	68.20	-8.82	peak

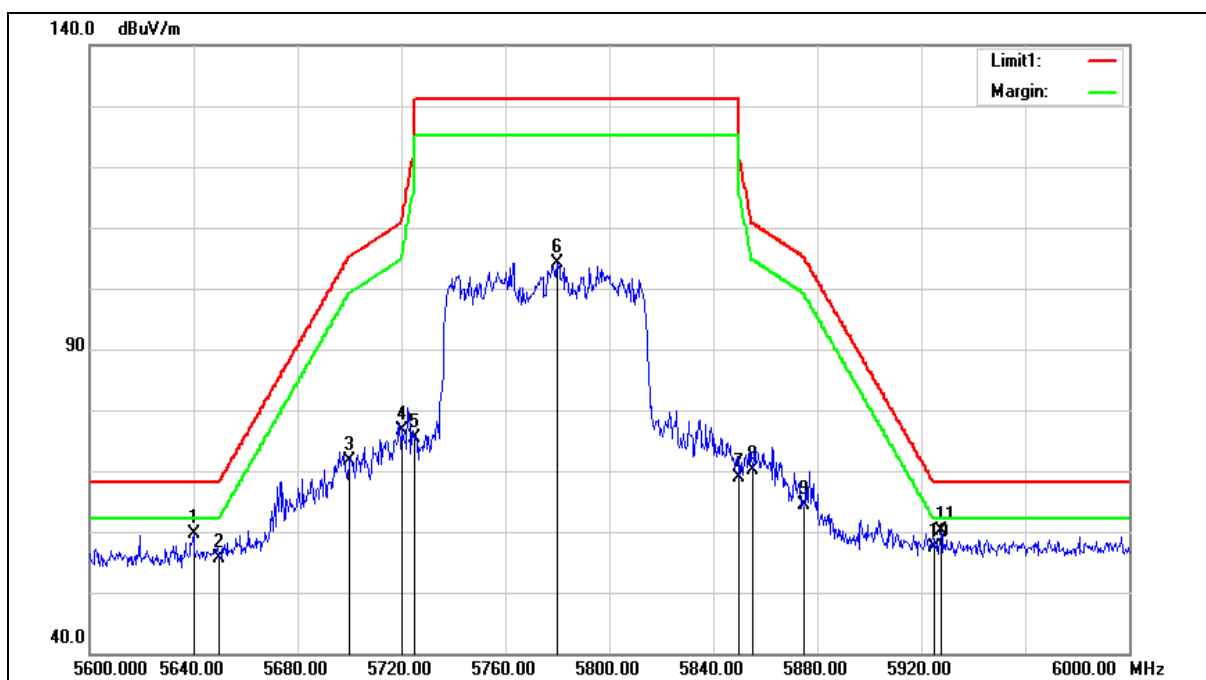
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 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:	5775 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	5640.000	51.52	8.22	59.74	68.20	-8.46	peak
2	5650.000	47.29	8.24	55.53	68.20	-12.67	peak
3	5700.000	63.27	8.34	71.61	105.20	-33.59	peak
4	5720.000	68.25	8.38	76.63	110.80	-34.17	peak
5	5725.000	66.94	8.39	75.33	122.20	-46.87	peak
6	5780.000	95.73	8.49	104.22	--	--	peak
7	5850.000	60.37	8.63	69.00	122.20	-53.20	peak
8	5855.000	61.40	8.64	70.04	110.80	-40.76	peak
9	5875.000	55.70	8.69	64.39	105.20	-40.81	peak
10	5925.000	48.61	8.79	57.40	68.20	-10.80	peak
11	5927.600	51.29	8.80	60.09	68.20	-8.11	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.

Beamforming on

Below 1 GHz

Standard:	FCC Part 15.407			Test Distance:	3 m		
Test item:	Radiated Emission			Power:	AC 120 V/60 Hz		
Frequency:	5200 MHz			Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH		
Mode:	Mode 3						
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
93.0500	33.98	-11.67	22.31	43.50	-21.19	QP	H
157.0700	29.48	-5.51	23.97	43.50	-19.53	QP	H
522.7600	35.15	0.40	35.55	46.00	-10.45	QP	H
593.5700	28.31	2.30	30.61	46.00	-15.39	QP	H
777.8700	29.48	5.55	35.03	46.00	-10.97	QP	H
870.0200	28.69	7.03	35.72	46.00	-10.28	QP	H
91.1100	37.98	-11.90	26.08	43.50	-17.42	QP	V
159.9800	30.55	-5.41	25.14	43.50	-18.36	QP	V
360.7700	27.33	-3.11	24.22	46.00	-21.78	QP	V
498.5100	32.65	-0.15	32.50	46.00	-13.50	QP	V
620.7300	28.63	2.66	31.29	46.00	-14.71	QP	V
777.8700	29.39	5.55	34.94	46.00	-11.06	QP	V

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

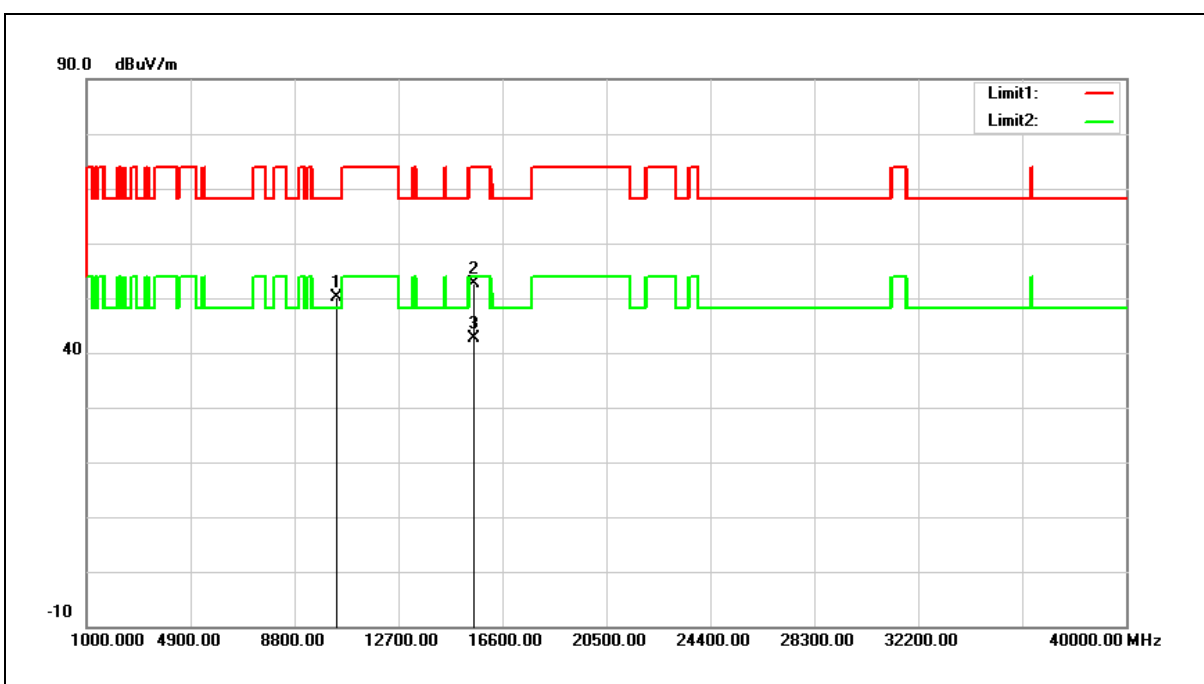
Example: 22.31 = -11.67 + 33.98

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

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

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 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.86	17.29	50.15	68.20	-18.05	peak
2	15540.000	31.78	20.75	52.53	74.00	-21.47	peak
3	15540.000	21.84	20.75	42.59	54.00	-11.41	AVG

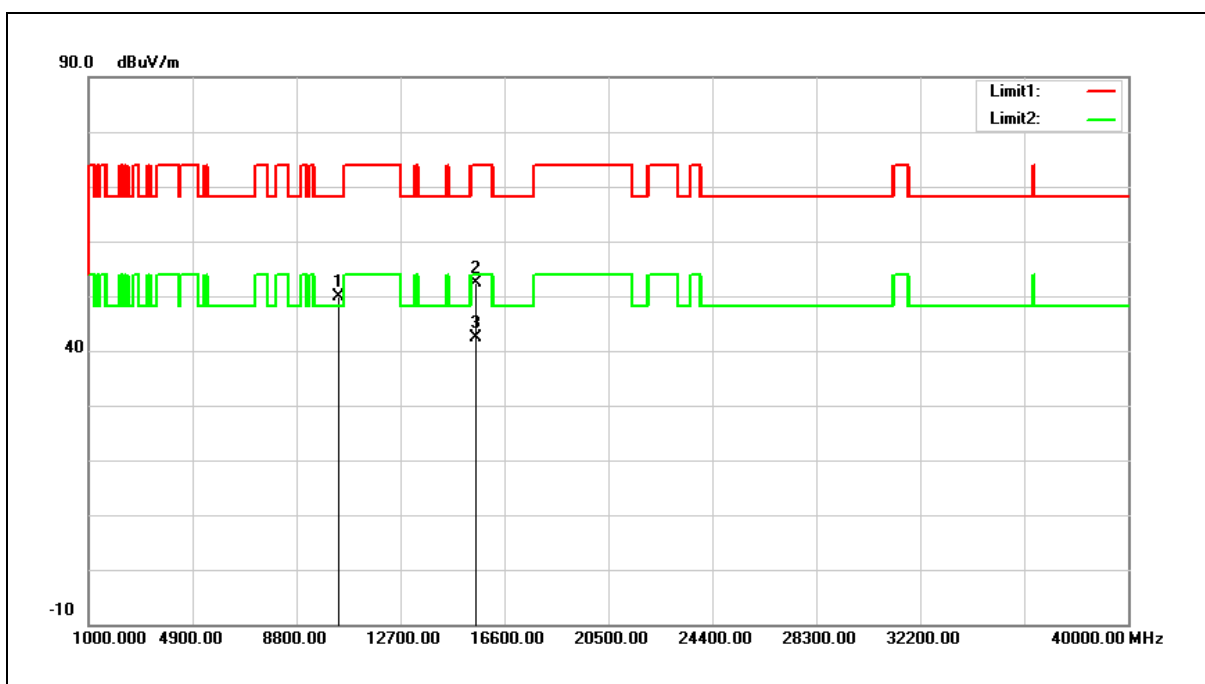
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.15 = 17.29 + 32.86

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.66	17.29	49.95	68.20	-18.25	peak
2	15540.000	31.60	20.75	52.35	74.00	-21.65	peak
3	15540.000	21.51	20.75	42.26	54.00	-11.74	AVG

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

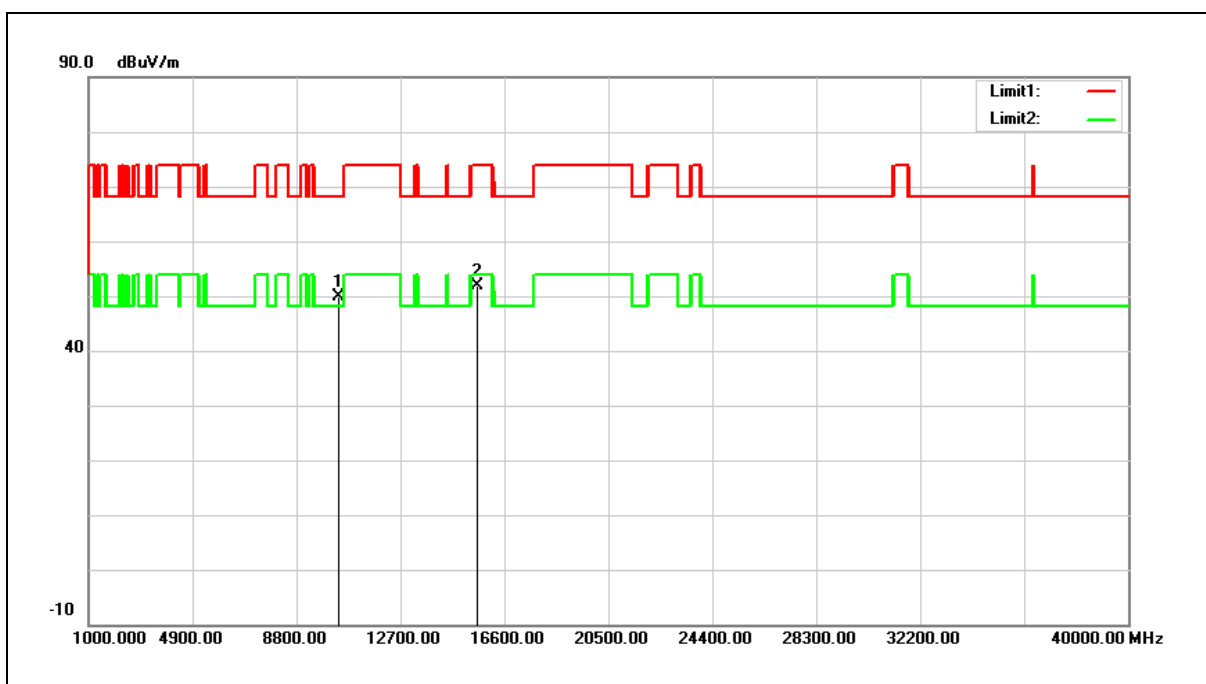
Example: 49.95 = 17.29 + 32.66

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.45	17.40	49.85	68.20	-18.35	peak
2	15600.000	31.29	20.60	51.89	74.00	-22.11	peak

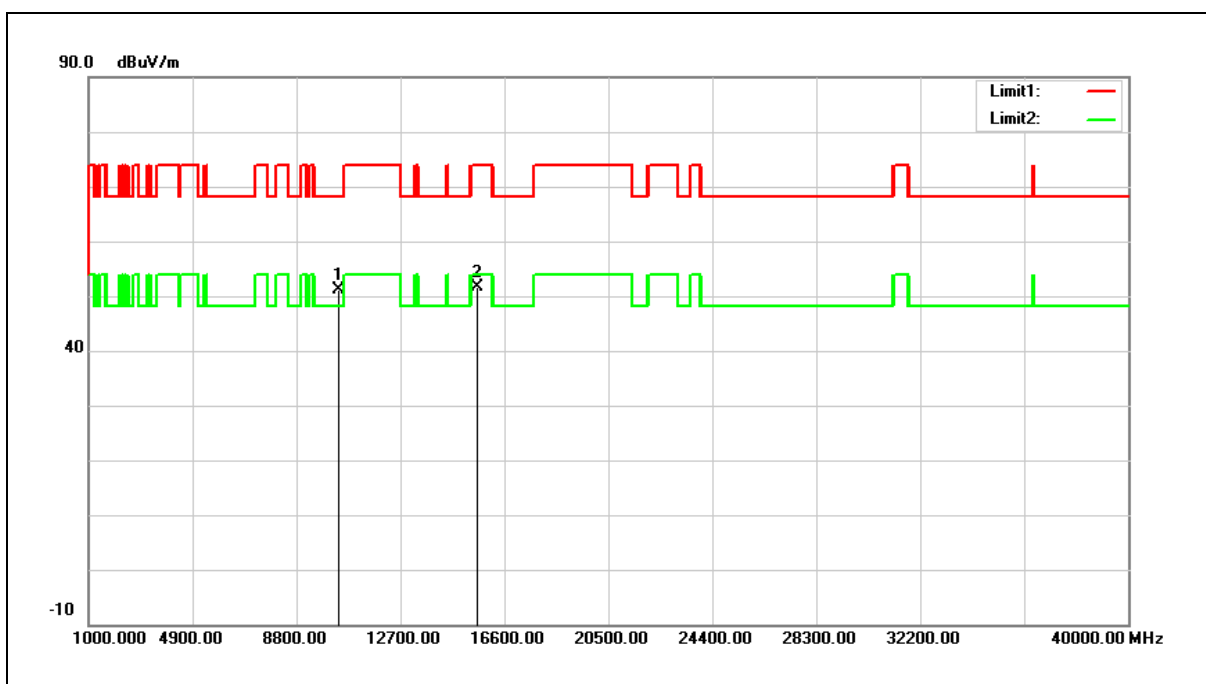
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



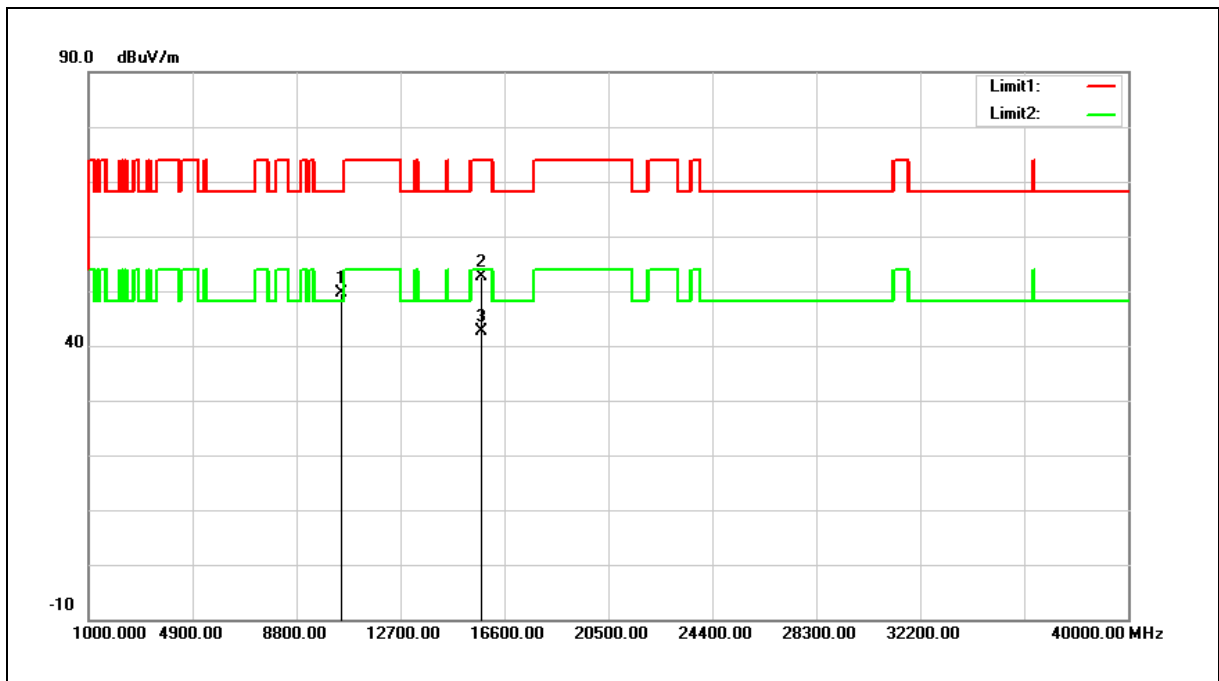
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	33.82	17.40	51.22	68.20	-16.98	peak
2	15600.000	31.13	20.60	51.73	74.00	-22.27	peak

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:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



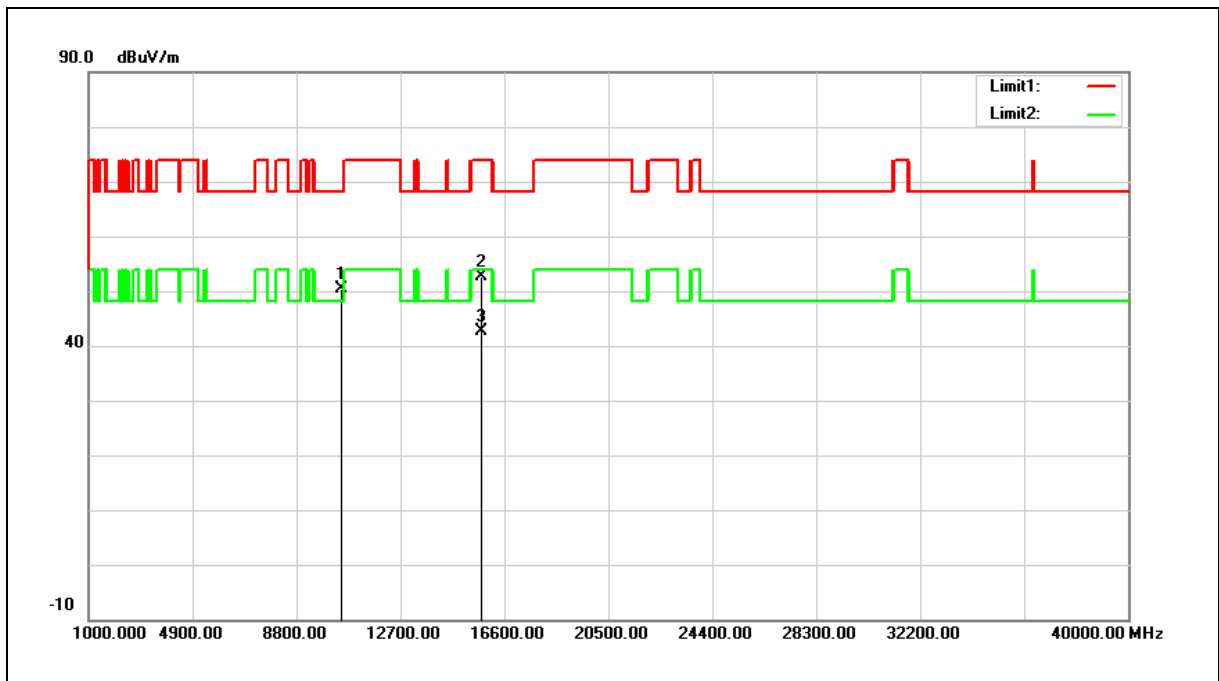
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.98	17.64	49.62	68.20	-18.58	peak
2	15720.000	32.30	20.30	52.60	74.00	-21.40	peak
3	15720.000	22.31	20.30	42.61	54.00	-11.39	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



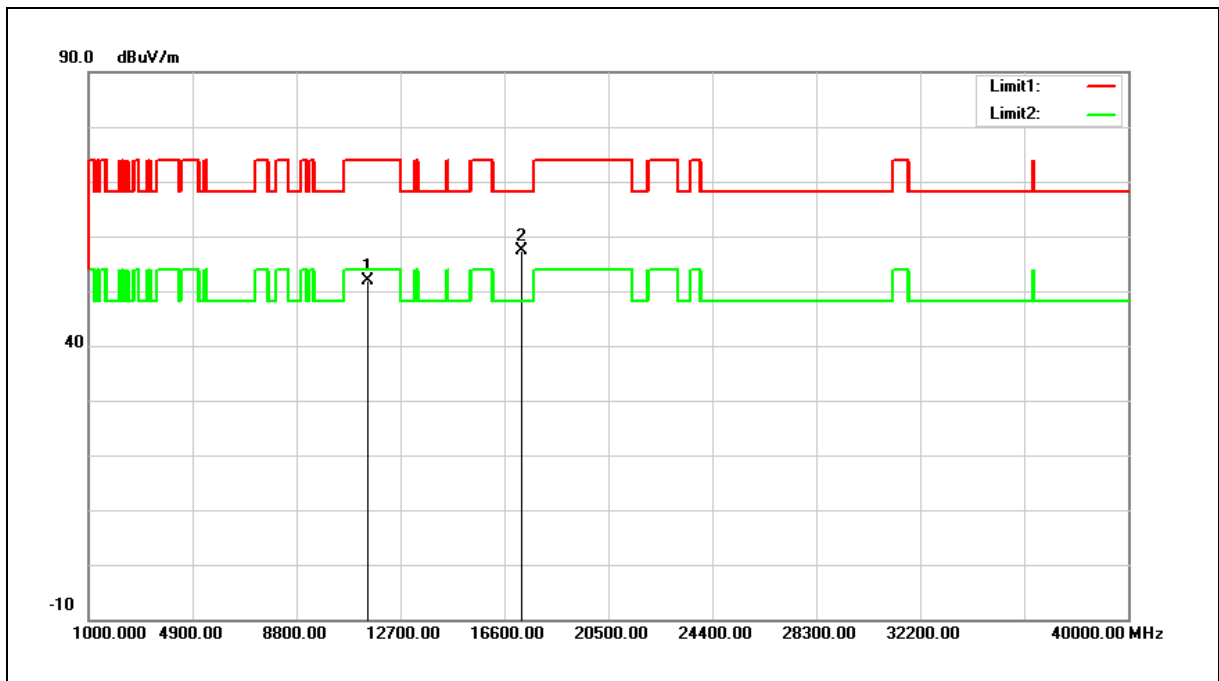
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.76	17.64	50.40	68.20	-17.80	peak
2	15720.000	32.25	20.30	52.55	74.00	-21.45	peak
3	15720.000	22.33	20.30	42.63	54.00	-11.37	AVG

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



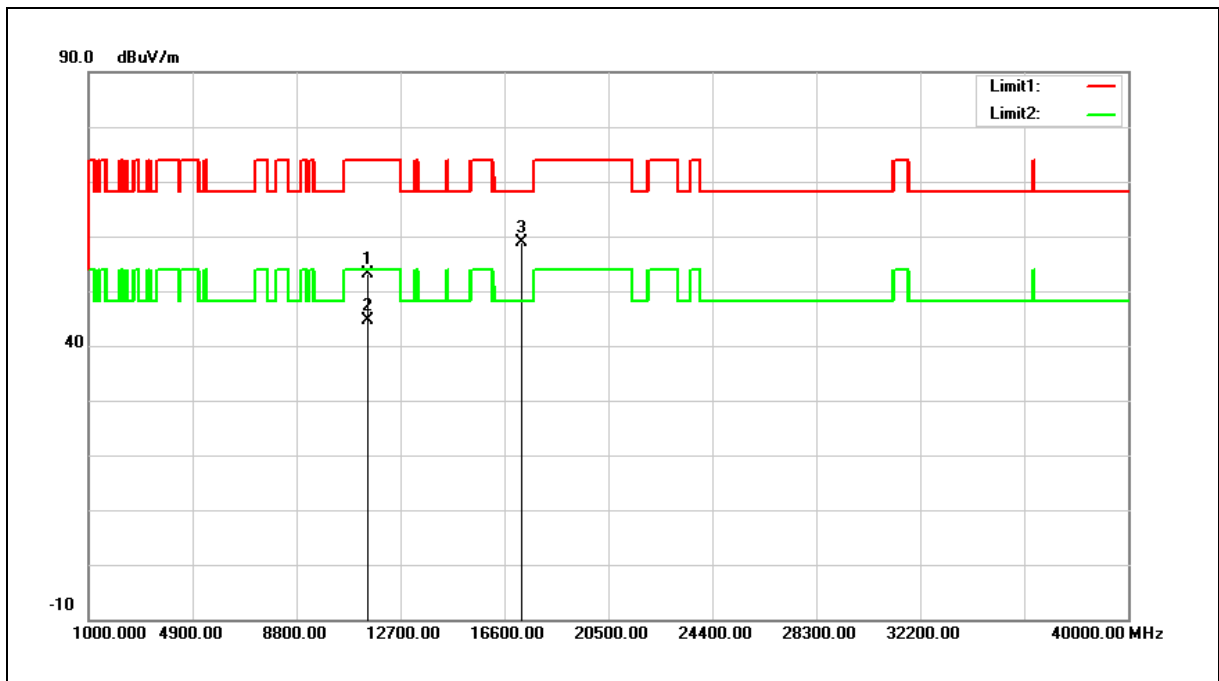
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.37	19.45	51.82	74.00	-22.18	peak
2	17235.000	32.41	25.01	57.42	68.20	-10.78	peak

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:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



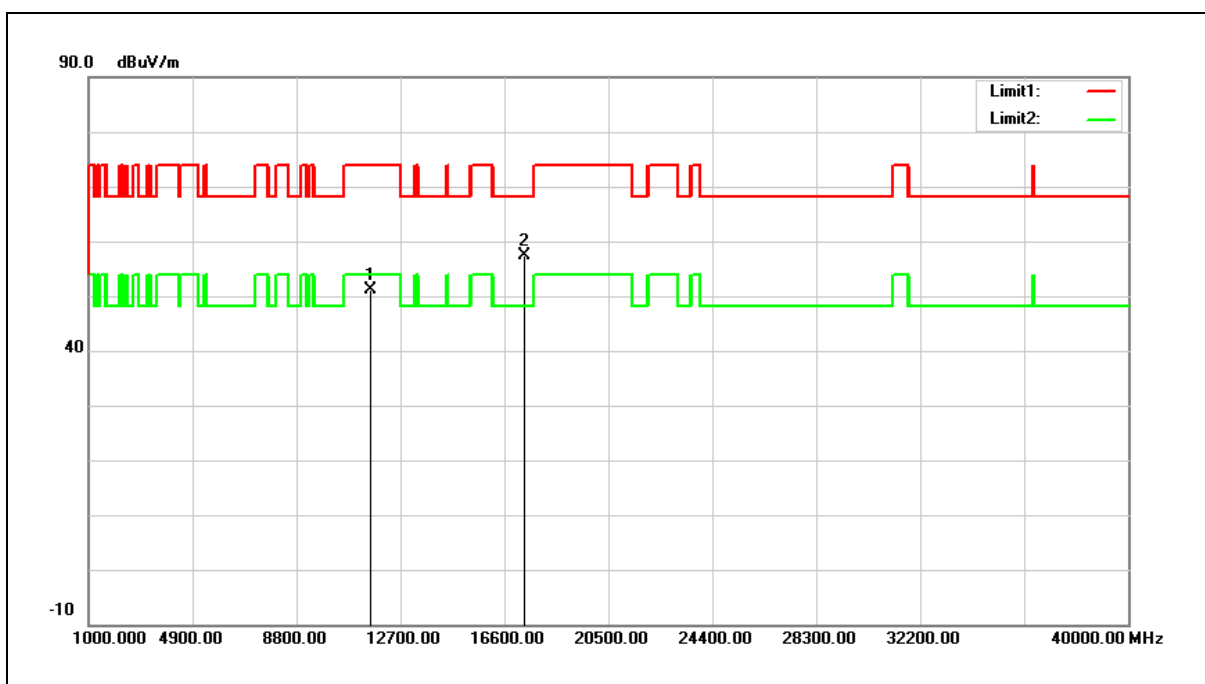
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.77	19.45	53.22	74.00	-20.78	peak
2	11490.000	25.17	19.45	44.62	54.00	-9.38	AVG
3	17235.000	33.86	25.01	58.87	68.20	-9.33	peak

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

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

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

Standard:	FCC Part 15.407	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 3		
Ant.Polar.:	Horizontal		



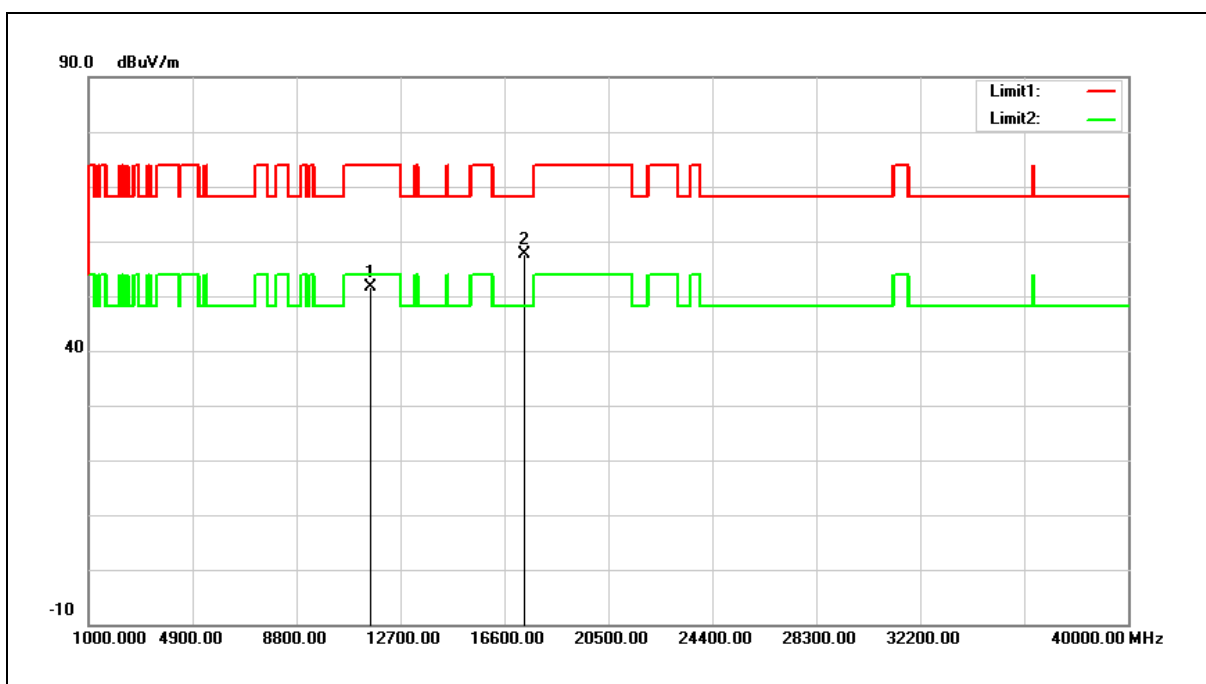
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.83	19.39	51.22	74.00	-22.78	peak
2	17355.000	32.06	25.34	57.40	68.20	-10.80	peak

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



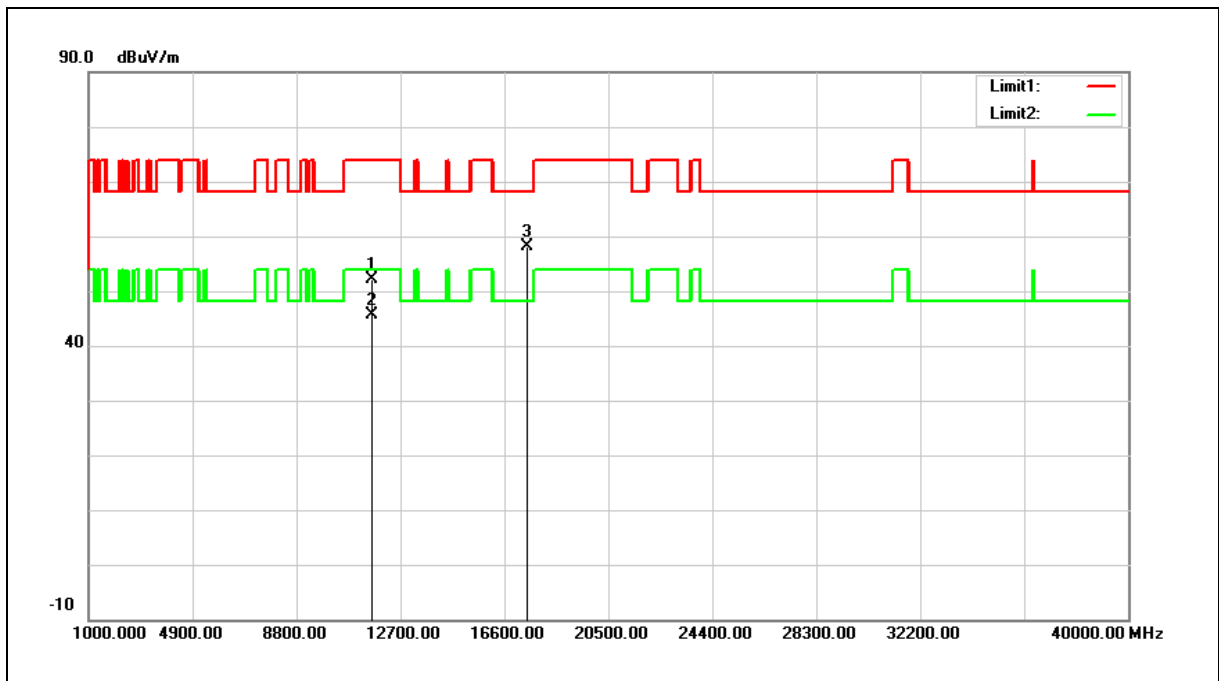
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.16	19.39	51.55	74.00	-22.45	peak
2	17355.000	32.27	25.34	57.61	68.20	-10.59	peak

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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



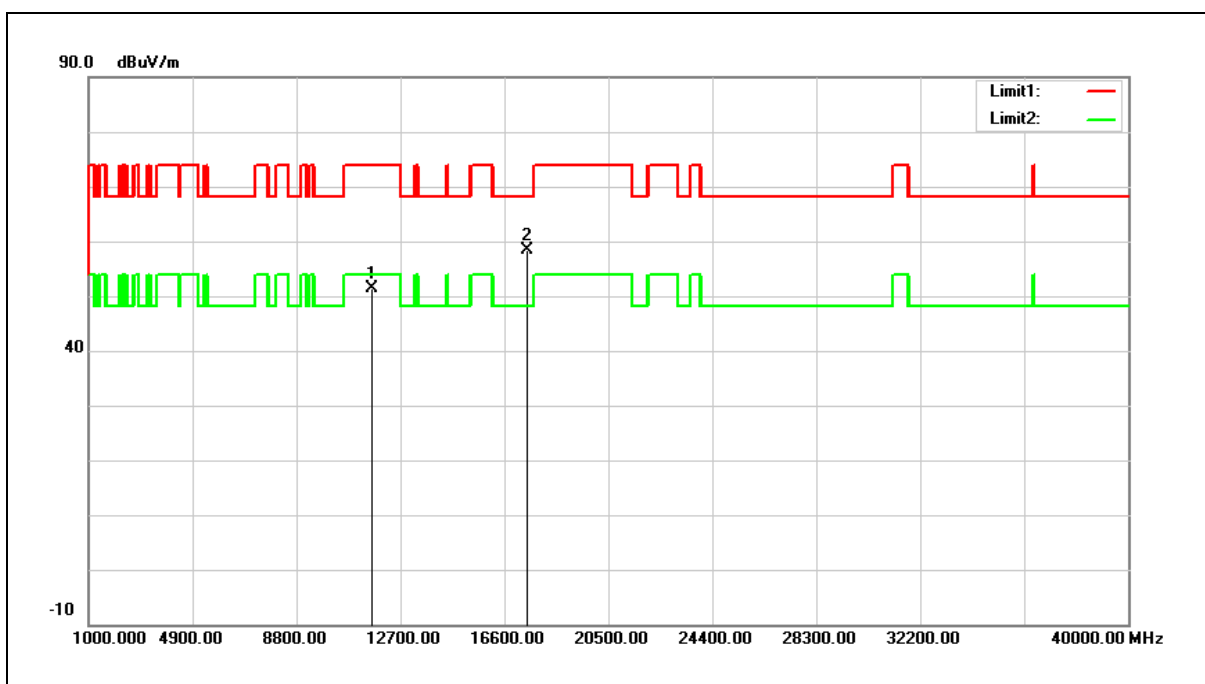
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.87	19.32	52.19	74.00	-21.81	peak
2	11650.000	26.30	19.32	45.62	54.00	-8.38	AVG
3	17475.000	32.55	25.65	58.20	68.20	-10.00	peak

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 3		
Ant.Polar.:	Vertical		



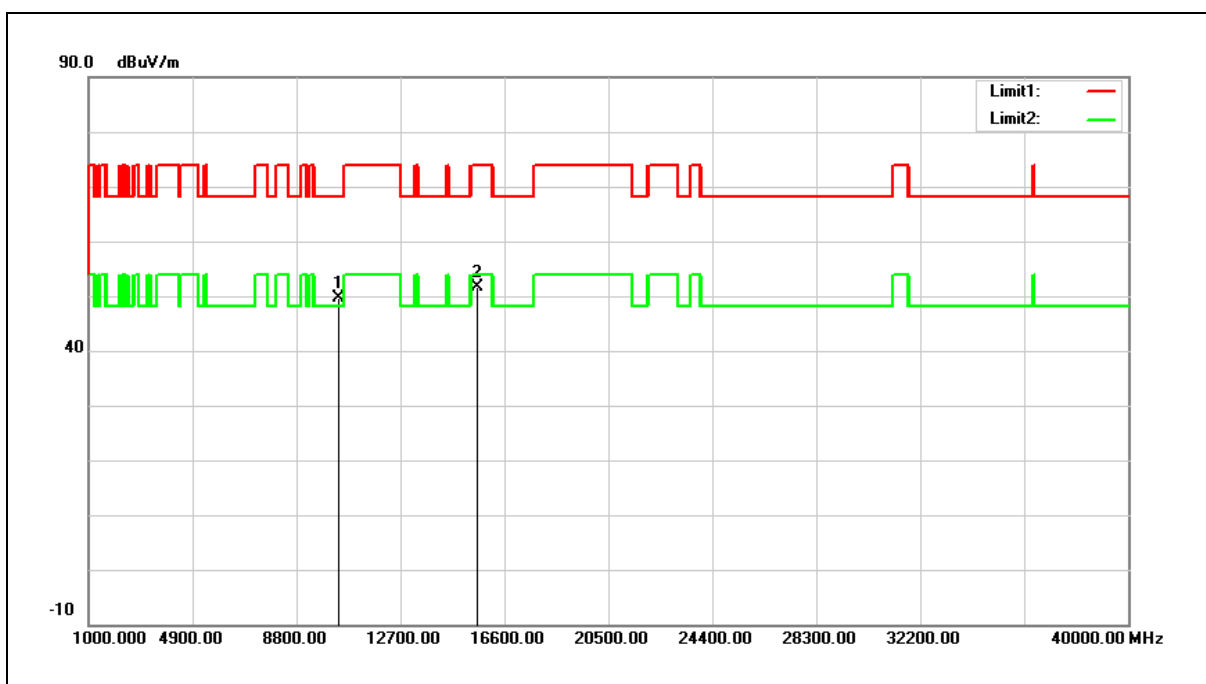
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.17	19.32	51.49	74.00	-22.51	peak
2	17475.000	32.85	25.65	58.50	68.20	-9.70	peak

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:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



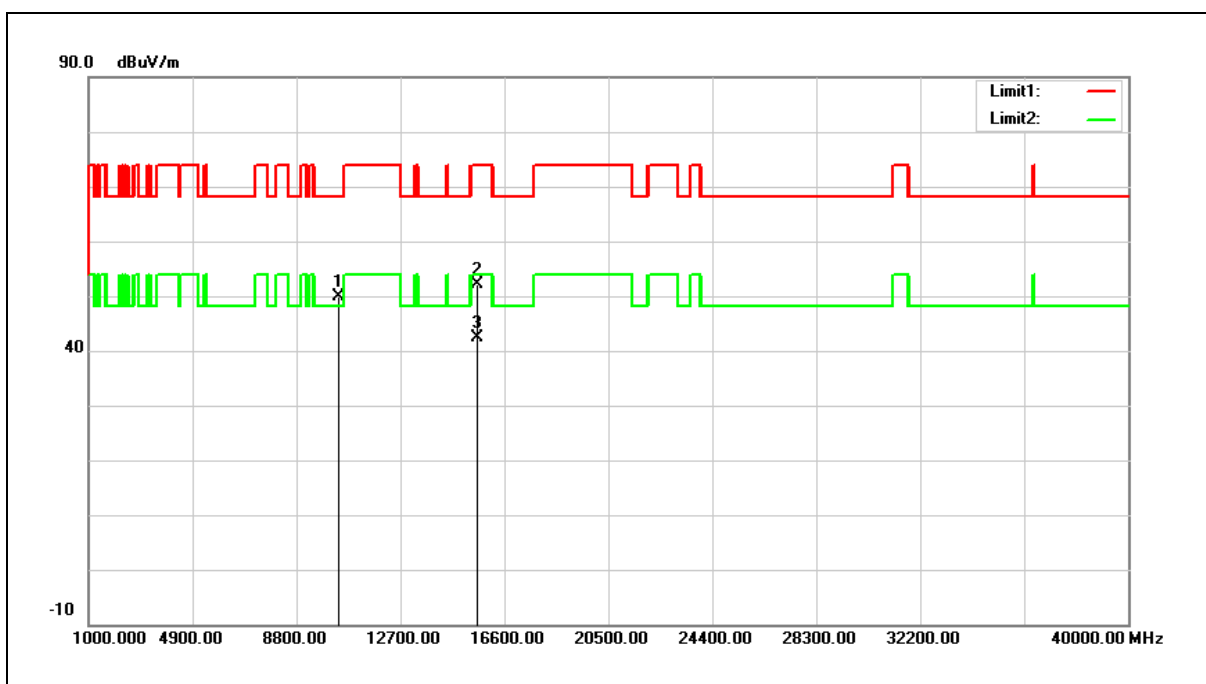
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.25	17.35	49.60	68.20	-18.60	peak
2	15570.000	31.05	20.68	51.73	74.00	-22.27	peak

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:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.51	17.35	49.86	68.20	-18.34	peak
2	15570.000	31.42	20.68	52.10	74.00	-21.90	peak
3	15570.000	21.65	20.68	42.33	54.00	-11.67	AVG

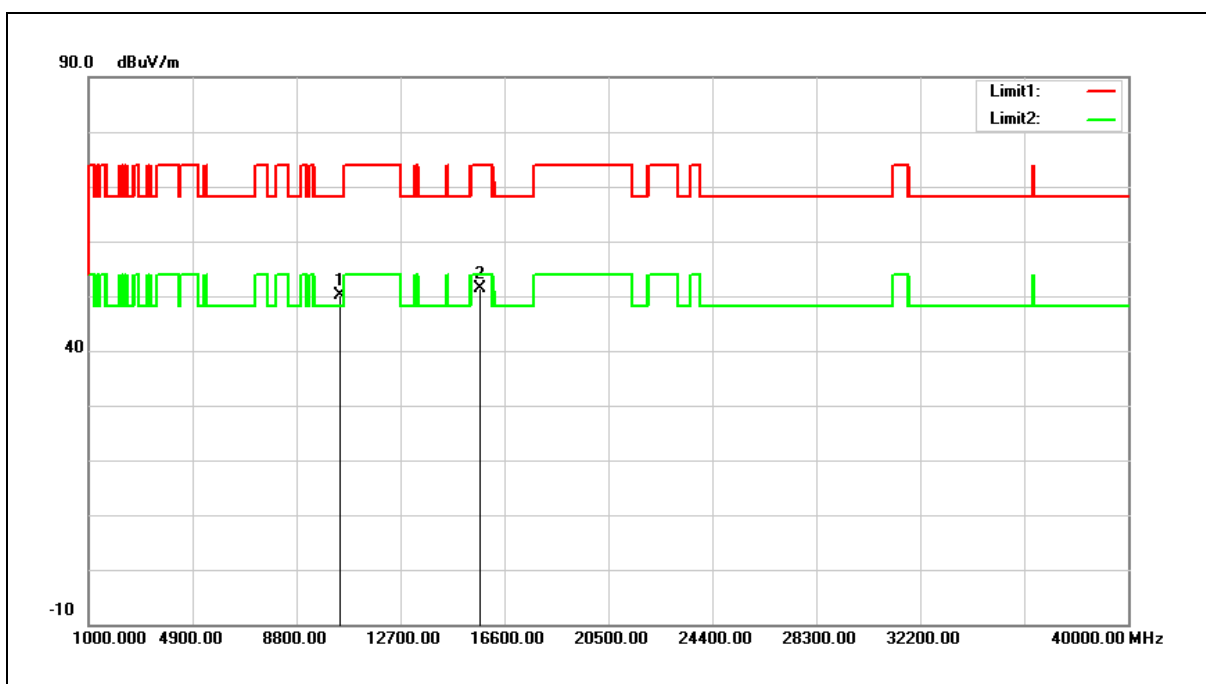
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



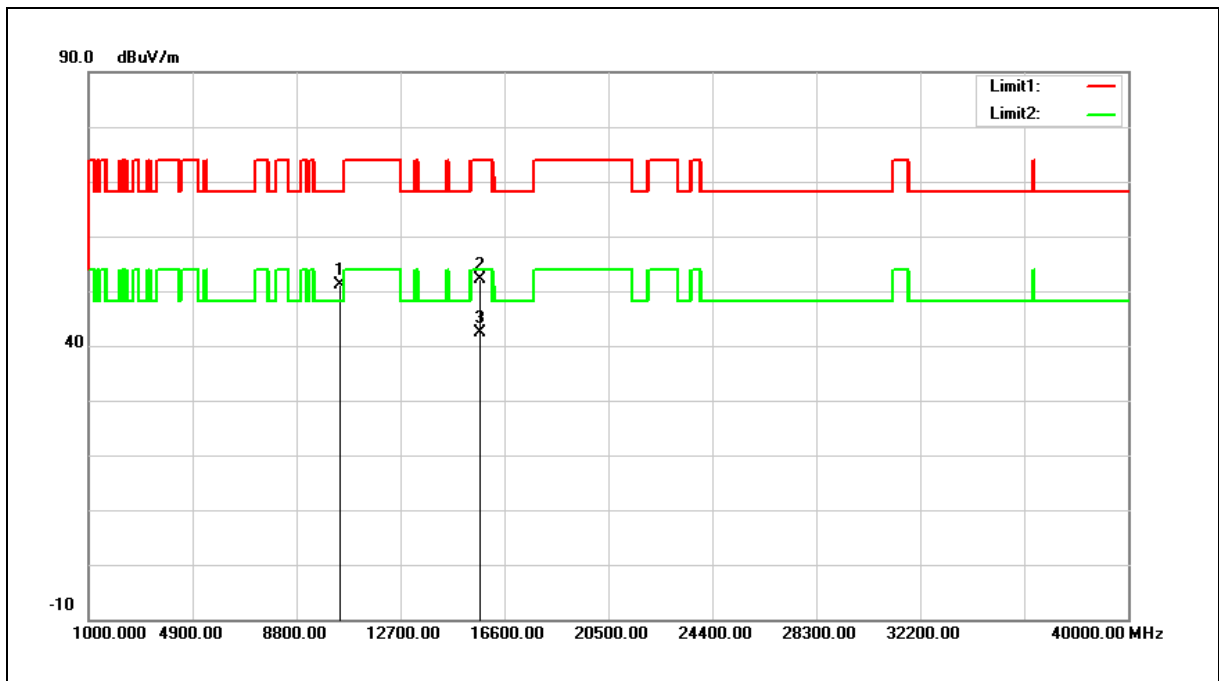
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.43	17.59	50.02	68.20	-18.18	peak
2	15690.000	31.08	20.37	51.45	74.00	-22.55	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Vertical		



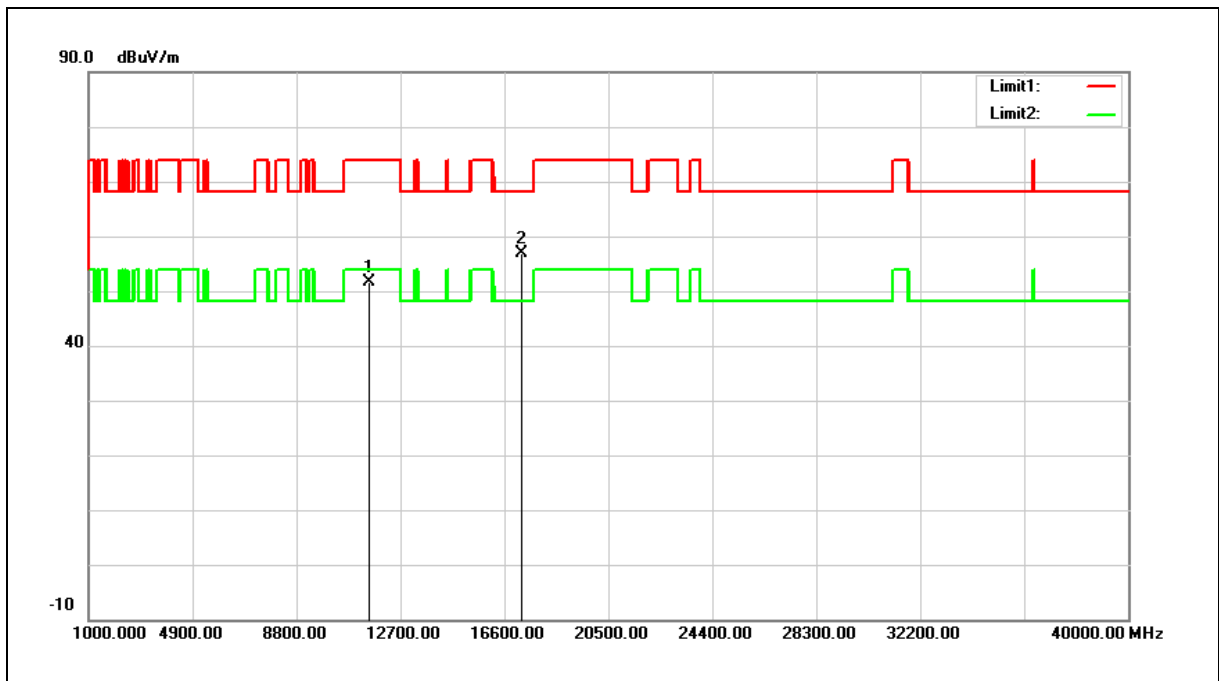
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	33.65	17.59	51.24	68.20	-16.96	peak
2	15690.000	31.65	20.37	52.02	74.00	-21.98	peak
3	15690.000	21.99	20.37	42.36	54.00	-11.64	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



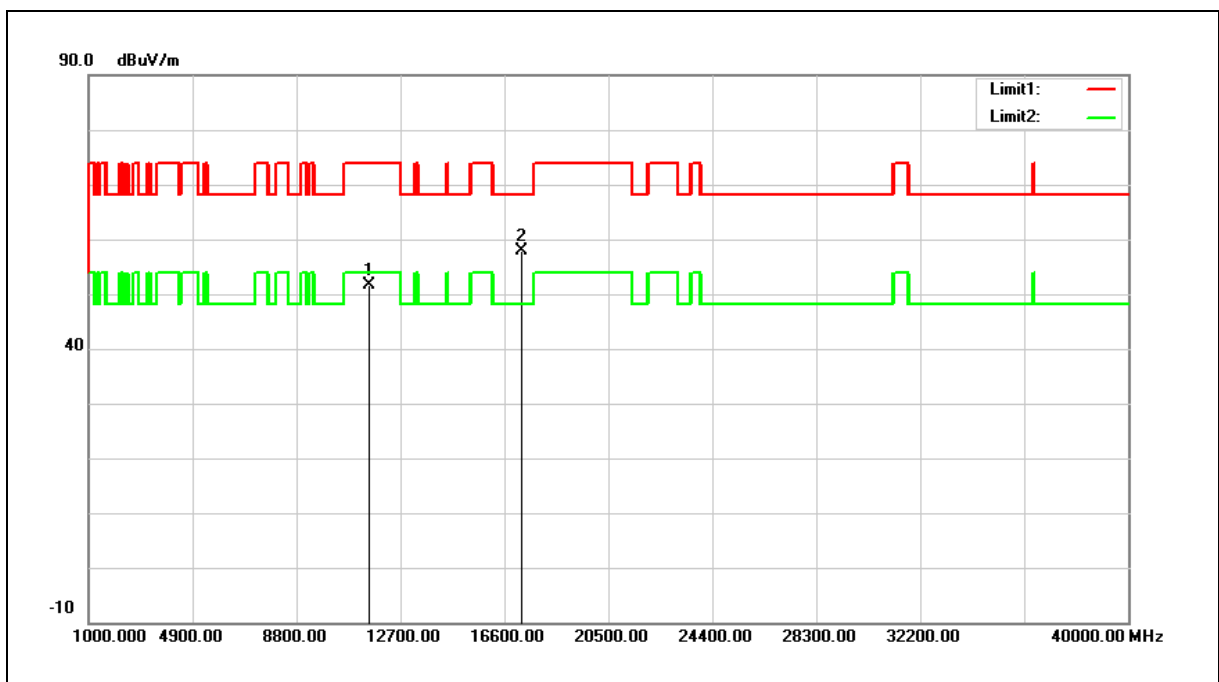
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.16	19.46	51.62	74.00	-22.38	peak
2	17265.000	31.71	25.09	56.80	68.20	-11.40	peak

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Vertical		



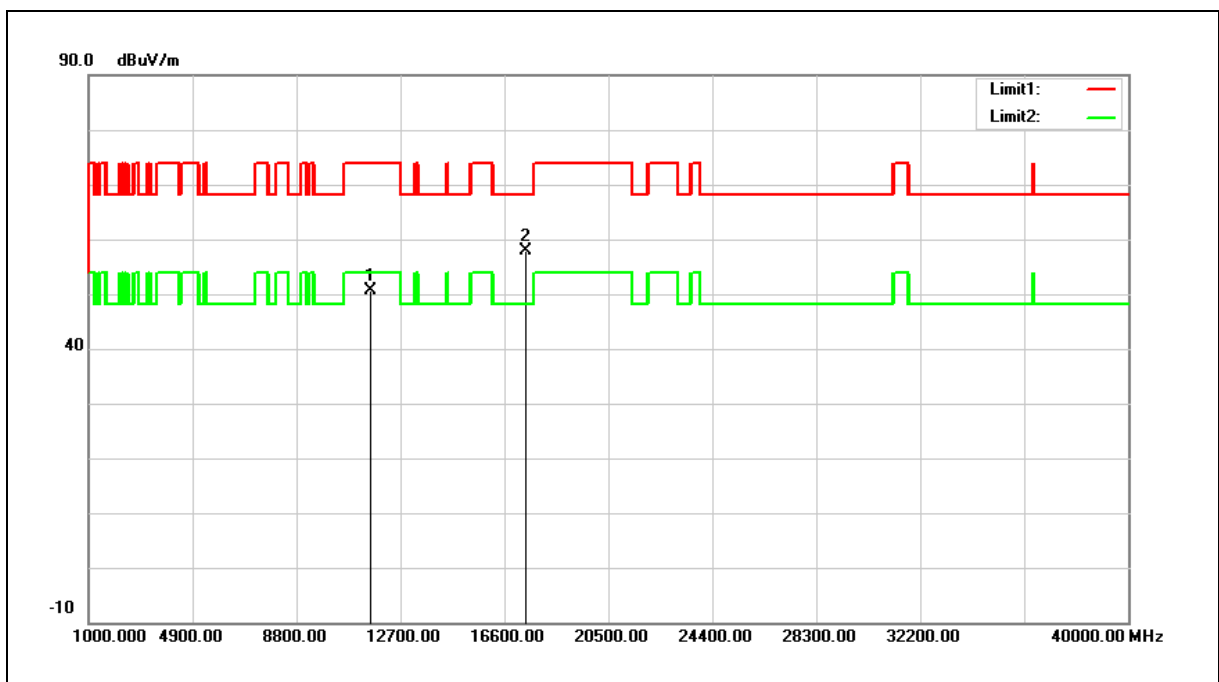
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.27	19.46	51.73	74.00	-22.27	peak
2	17265.000	32.70	25.09	57.79	68.20	-10.41	peak

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:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



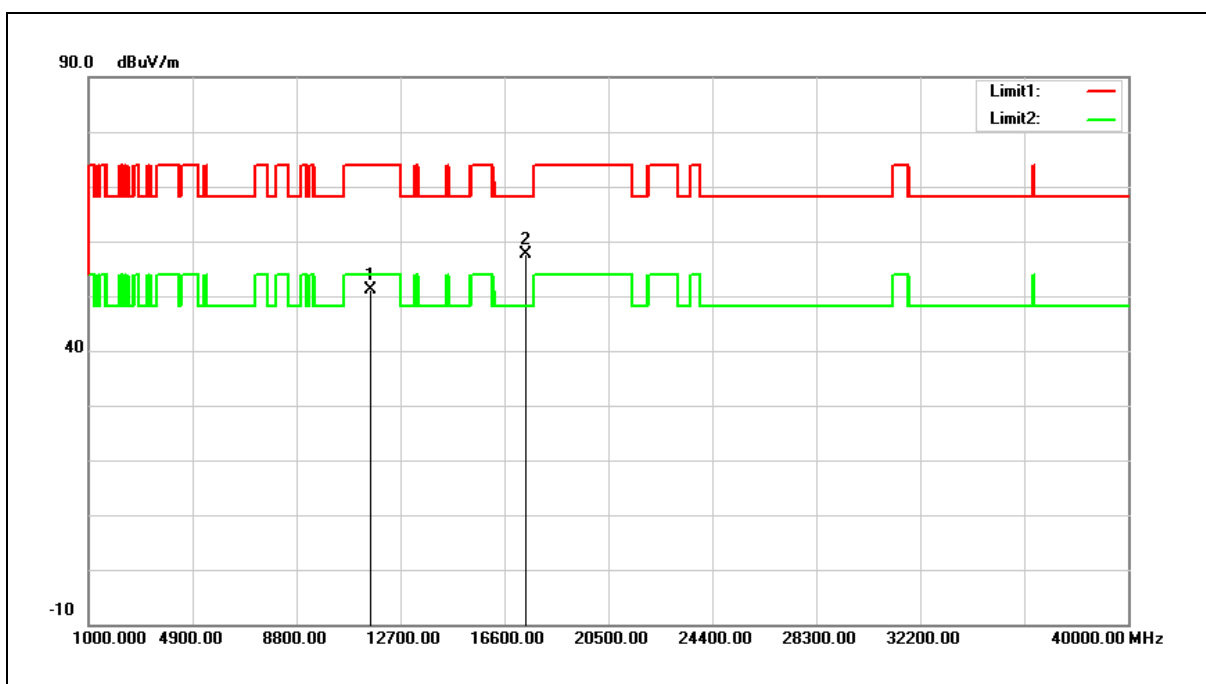
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.28	19.38	50.66	74.00	-23.34	peak
2	17385.000	32.40	25.41	57.81	68.20	-10.39	peak

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:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.72	19.38	51.10	74.00	-22.90	peak
2	17385.000	32.34	25.41	57.75	68.20	-10.45	peak

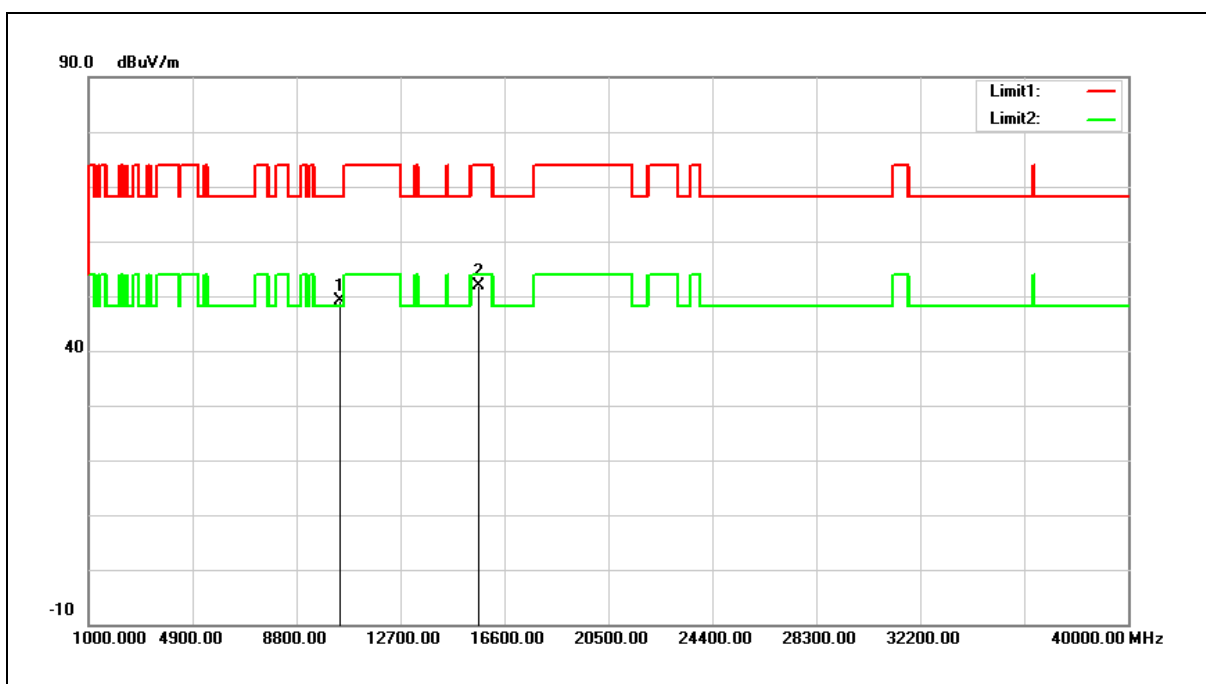
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 5		
Ant.Polar.:	Horizontal		



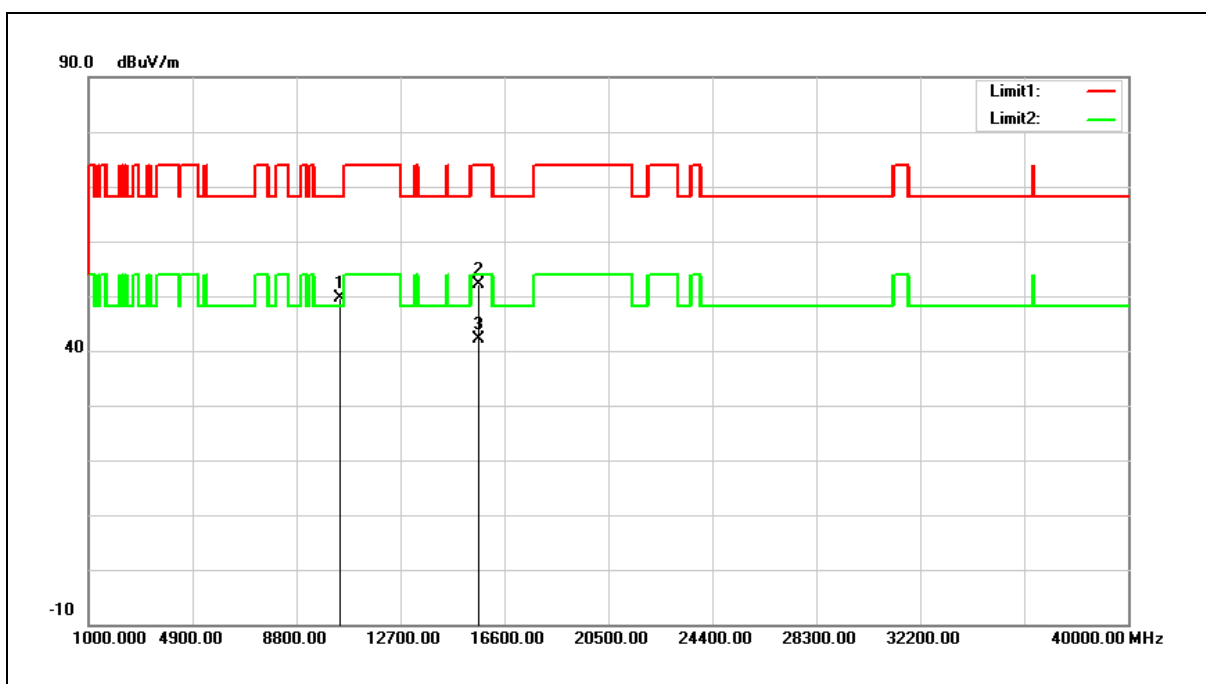
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.72	17.46	49.18	68.20	-19.02	peak
2	15630.000	31.42	20.53	51.95	74.00	-22.05	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



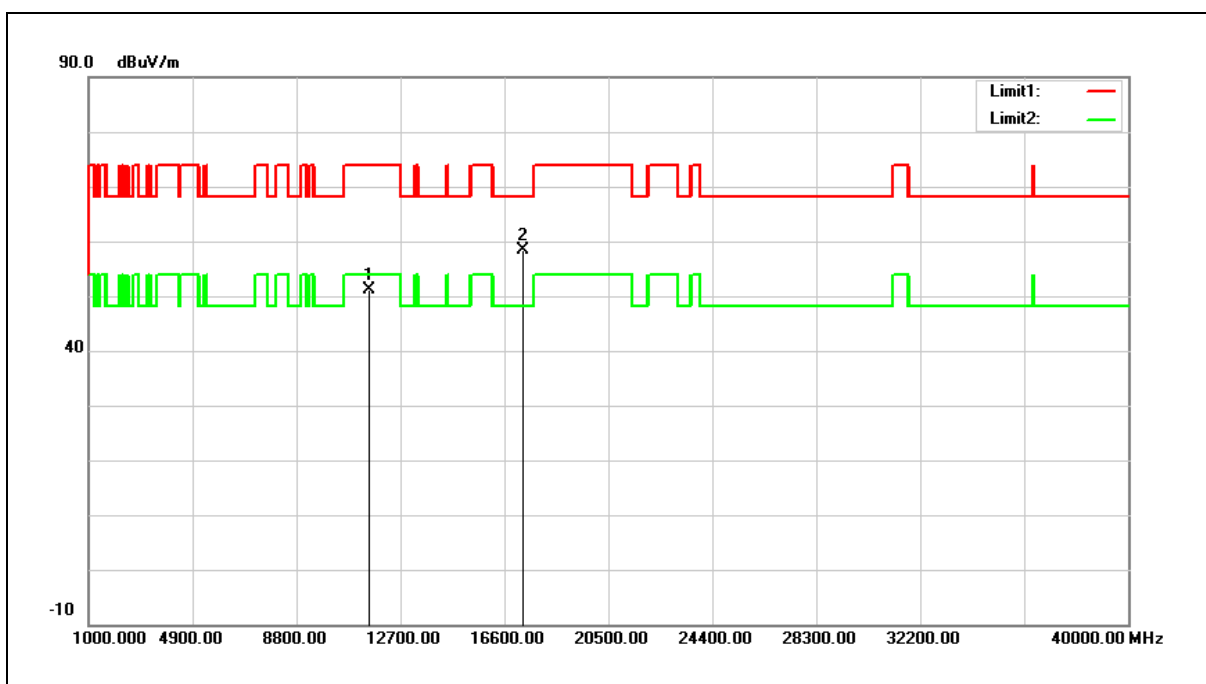
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.09	17.46	49.55	68.20	-18.65	peak
2	15630.000	31.62	20.53	52.15	74.00	-21.85	peak
3	15630.000	21.48	20.53	42.01	54.00	-11.99	AVG

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 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	11550.000	31.79	19.42	51.21	74.00	-22.79	peak
2	17325.000	33.14	25.25	58.39	68.20	-9.81	peak

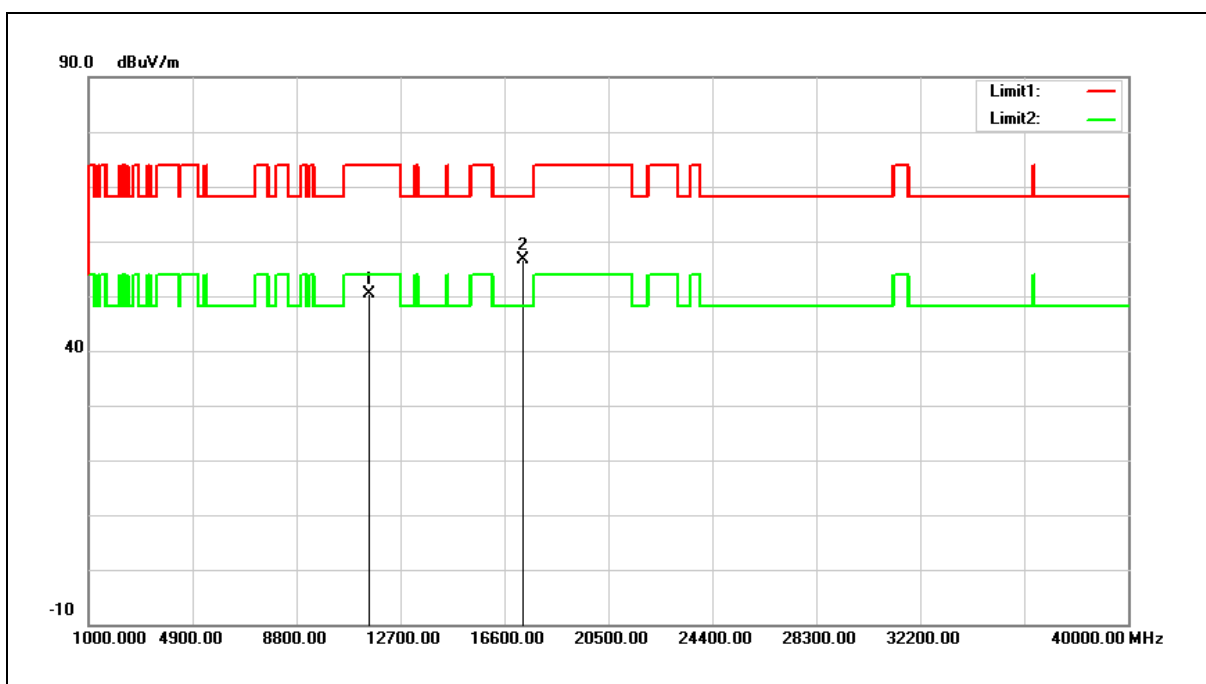
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.



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 5		
Ant.Polar.:	Vertical		



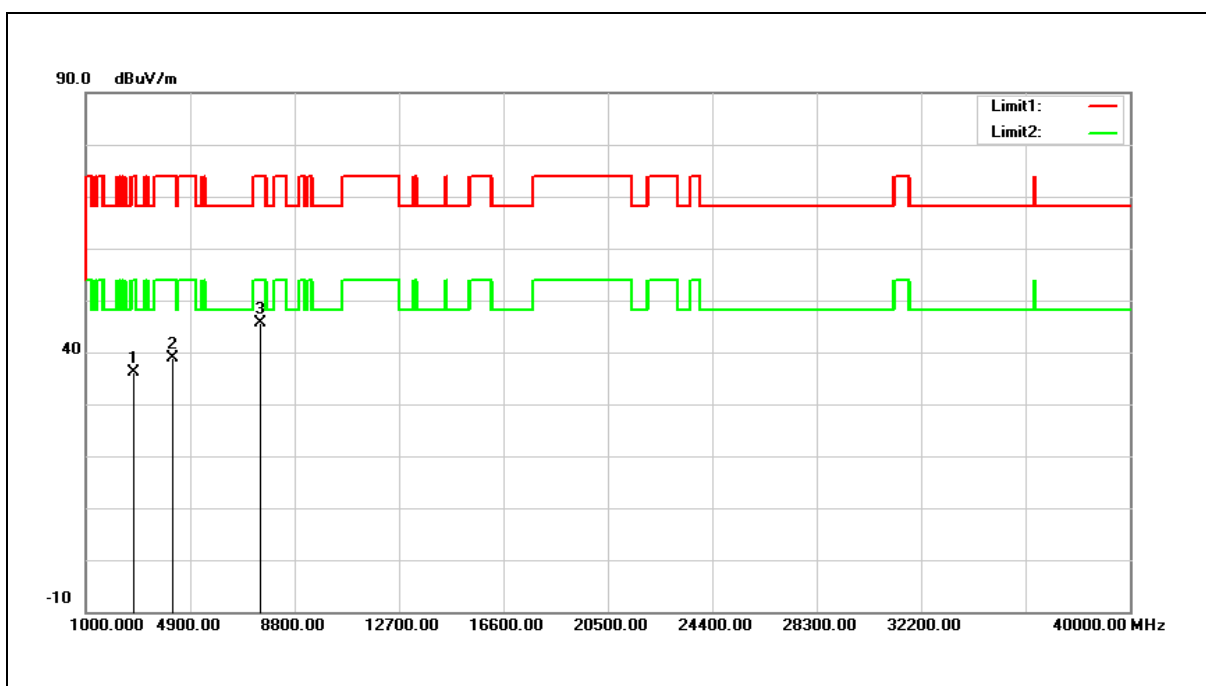
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.05	19.42	50.47	74.00	-23.53	peak
2	17325.000	31.44	25.25	56.69	68.20	-11.51	peak

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
Test Mode:	Simultaneous Transmitting (WLAN 2.4 + 5 GHz)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



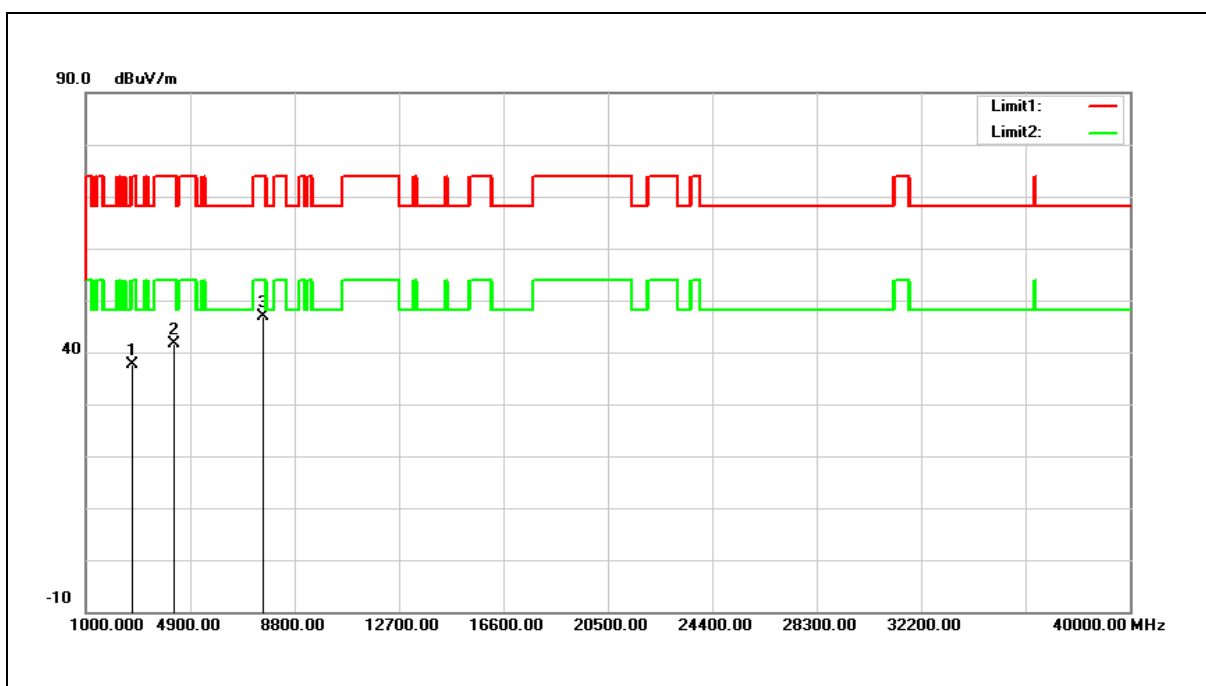
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	35.68	0.56	36.24	74.00	-37.76	peak
2	4230.000	34.43	4.46	38.89	74.00	-35.11	peak
3	7477.000	32.33	13.30	45.63	74.00	-28.37	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	37.27	0.42	37.69	74.00	-36.31	peak
2	4298.000	37.08	4.60	41.68	74.00	-32.32	peak
3	7630.000	33.13	13.65	46.78	74.00	-27.22	peak

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

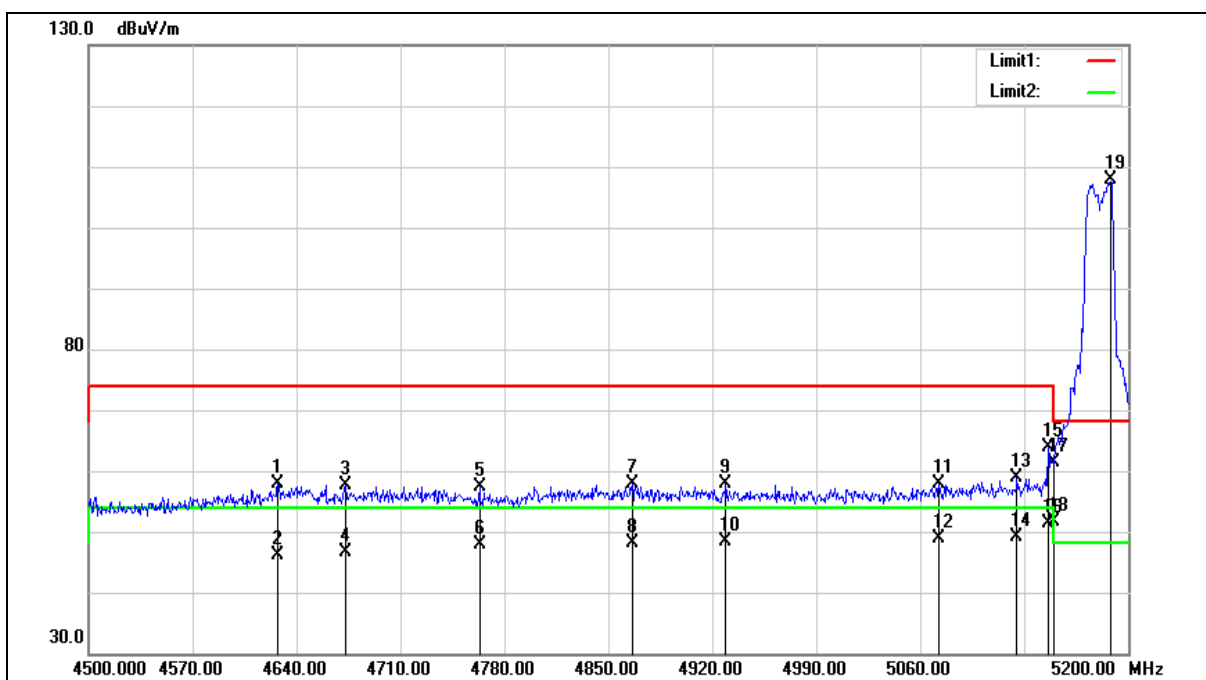
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4627.400	52.40	5.37	57.77	74.00	-16.23	peak
2	4627.400	40.79	5.37	46.16	54.00	-7.84	AVG
3	4672.900	52.18	5.51	57.69	74.00	-16.31	peak
4	4672.900	41.05	5.51	46.56	54.00	-7.44	AVG
5	4763.200	51.51	5.78	57.29	74.00	-16.71	peak
6	4763.200	42.04	5.78	47.82	54.00	-6.18	AVG
7	4866.100	51.72	6.11	57.83	74.00	-16.17	peak
8	4866.100	41.91	6.11	48.02	54.00	-5.98	AVG
9	4929.100	51.64	6.29	57.93	74.00	-16.07	peak
10	4929.100	42.07	6.29	48.36	54.00	-5.64	AVG
11	5072.600	51.15	6.71	57.86	74.00	-16.14	peak
12	5072.600	42.05	6.71	48.76	54.00	-5.24	AVG
13	5125.100	51.89	6.88	58.77	74.00	-15.23	peak
14	5125.100	42.35	6.88	49.23	54.00	-4.77	AVG
15	5146.100	56.91	6.93	63.84	74.00	-10.16	peak
16	5146.100	44.38	6.93	51.31	54.00	-2.69	AVG
17	5150.000	54.33	6.94	61.27	74.00	-12.73	peak
18	5150.000	44.62	6.94	51.56	54.00	-2.44	AVG
19	5188.100	100.87	7.05	107.92	--	--	peak

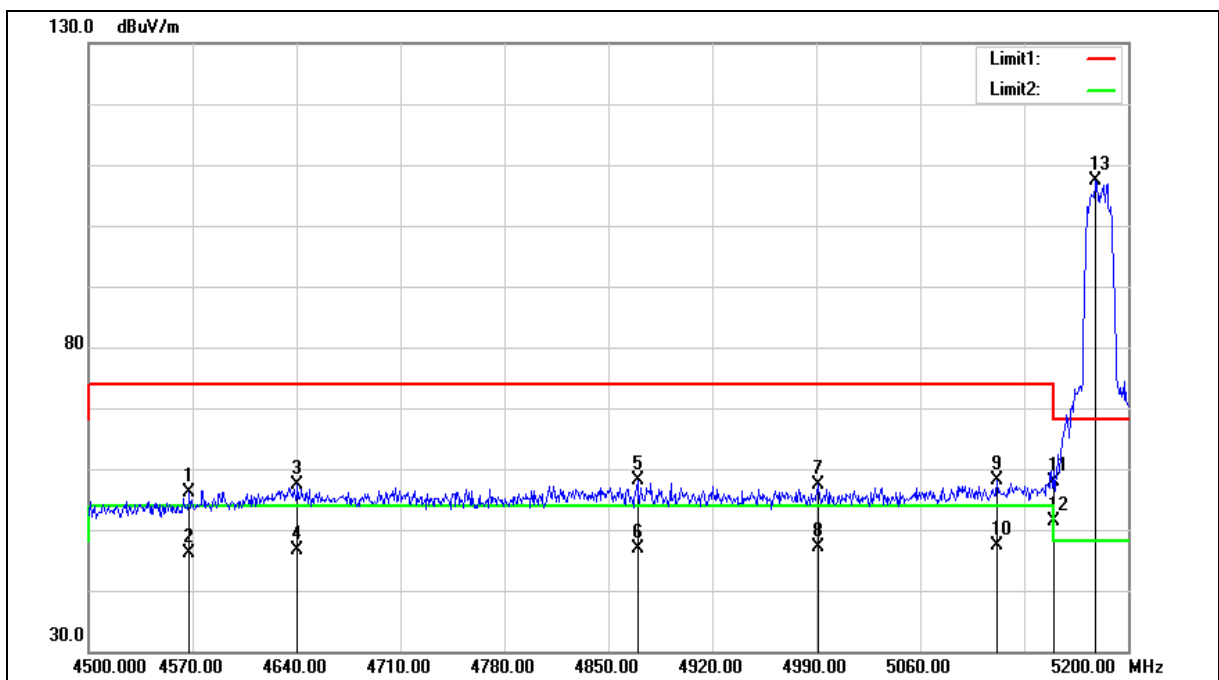
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
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 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4567.900	50.89	5.19	56.08	74.00	-17.92	peak
2	4567.900	40.91	5.19	46.10	54.00	-7.90	AVG
3	4640.700	52.04	5.41	57.45	74.00	-16.55	peak
4	4640.700	41.14	5.41	46.55	54.00	-7.45	AVG
5	4869.600	51.90	6.11	58.01	74.00	-15.99	peak
6	4869.600	40.78	6.11	46.89	54.00	-7.11	AVG
7	4991.400	51.01	6.48	57.49	74.00	-16.51	peak
8	4991.400	40.68	6.48	47.16	54.00	-6.84	AVG
9	5111.800	51.25	6.82	58.07	74.00	-15.93	peak
10	5111.800	40.49	6.82	47.31	54.00	-6.69	AVG
11	5150.000	51.01	6.94	57.95	74.00	-16.05	peak
12	5150.000	44.56	6.94	51.50	54.00	-2.50	AVG
13	5178.300	100.32	7.02	107.34	--	--	peak

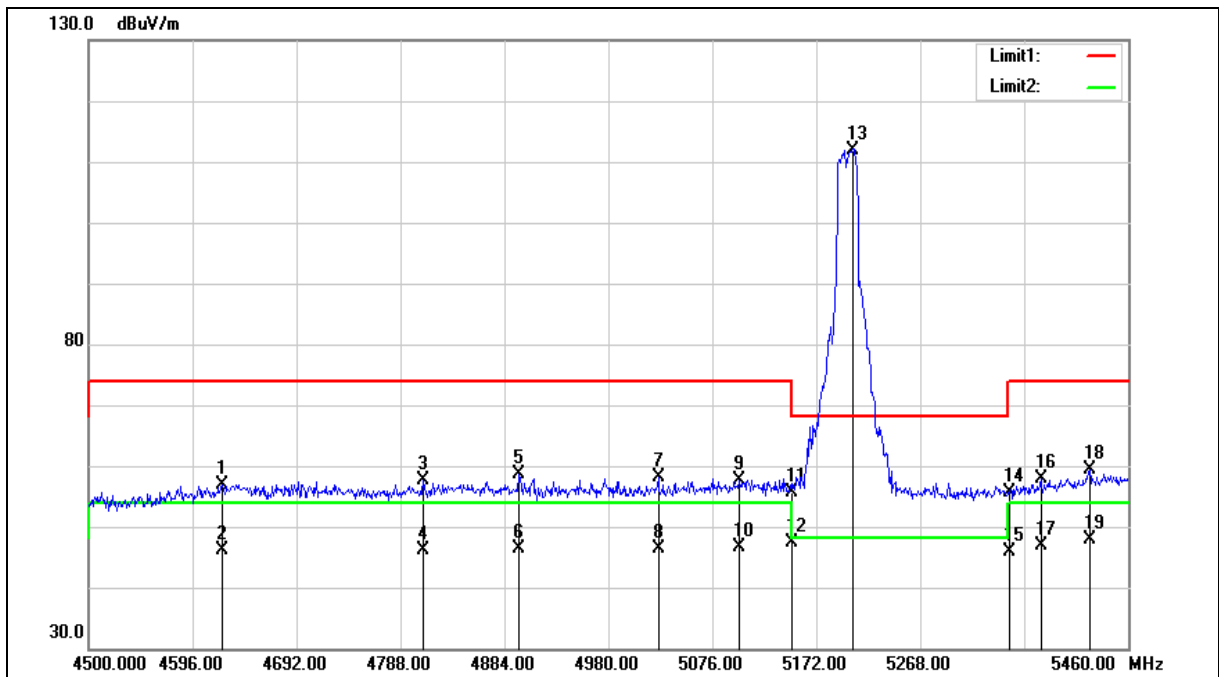
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4622.880	51.61	5.36	56.97	74.00	-17.03	peak
2	4622.880	40.73	5.36	46.09	54.00	-7.91	AVG
3	4809.120	51.69	5.93	57.62	74.00	-16.38	peak
4	4809.120	40.21	5.93	46.14	54.00	-7.86	AVG
5	4897.440	52.47	6.19	58.66	74.00	-15.34	peak
6	4897.440	40.11	6.19	46.30	54.00	-7.70	AVG
7	5026.080	51.50	6.59	58.09	74.00	-15.91	peak
8	5026.080	39.89	6.59	46.48	54.00	-7.52	AVG
9	5100.960	50.85	6.79	57.64	74.00	-16.36	peak
10	5100.960	39.73	6.79	46.52	54.00	-7.48	AVG
11	5150.000	48.67	6.94	55.61	74.00	-18.39	peak
12	5150.000	40.49	6.94	47.43	54.00	-6.57	AVG
13	5205.600	104.79	7.10	111.89	--	--	peak
14	5350.000	48.24	7.50	55.74	74.00	-18.26	peak
15	5350.000	38.32	7.50	45.82	54.00	-8.18	AVG
16	5379.360	50.35	7.59	57.94	74.00	-16.06	peak
17	5379.360	39.23	7.59	46.82	54.00	-7.18	AVG
18	5424.480	51.60	7.71	59.31	74.00	-14.69	peak
19	5424.480	40.25	7.71	47.96	54.00	-6.04	AVG

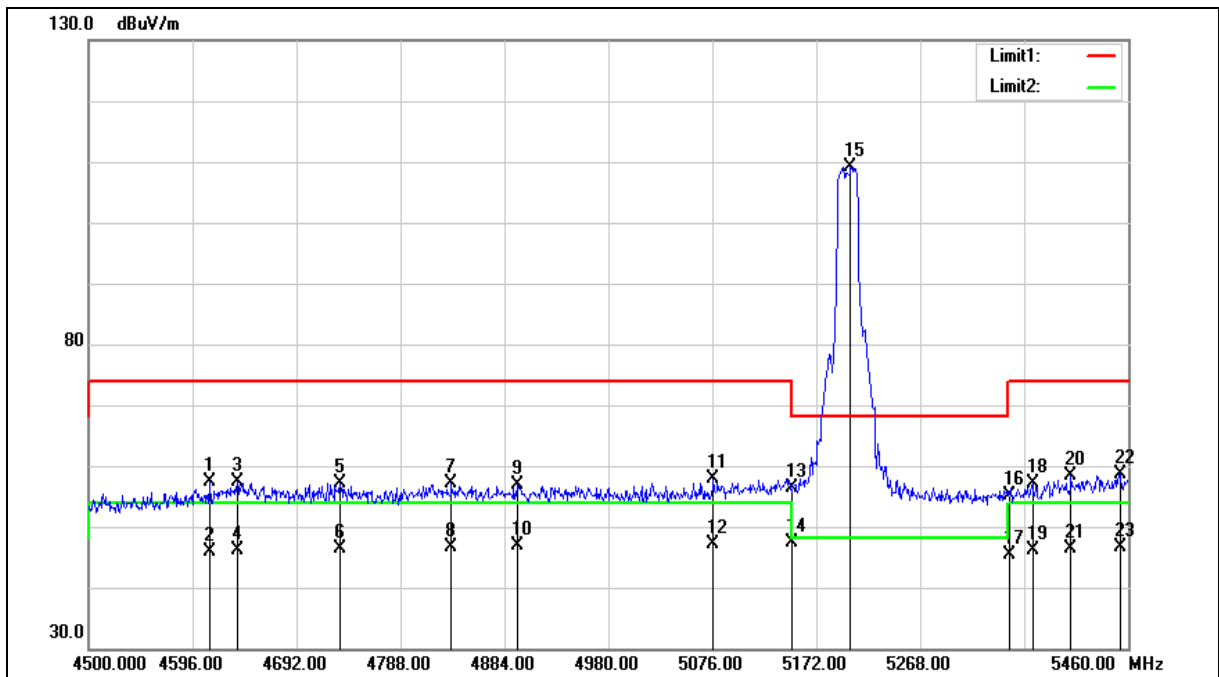
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4612.320	52.07	5.33	57.40	74.00	-16.60	peak
2	4612.320	40.49	5.33	45.82	54.00	-8.18	AVG
3	4637.280	52.07	5.40	57.47	74.00	-16.53	peak
4	4637.280	40.68	5.40	46.08	54.00	-7.92	AVG
5	4732.320	51.56	5.69	57.25	74.00	-16.75	peak
6	4732.320	40.71	5.69	46.40	54.00	-7.60	AVG
7	4835.040	51.10	6.00	57.10	74.00	-16.90	peak
8	4835.040	40.63	6.00	46.63	54.00	-7.37	AVG
9	4896.480	50.61	6.19	56.80	74.00	-17.20	peak
10	4896.480	40.63	6.19	46.82	54.00	-7.18	AVG
11	5076.960	51.09	6.73	57.82	74.00	-16.18	peak
12	5076.960	40.31	6.73	47.04	54.00	-6.96	AVG
13	5150.000	49.41	6.94	56.35	74.00	-17.65	peak
14	5150.000	40.48	6.94	47.42	54.00	-6.58	AVG
15	5203.680	101.92	7.09	109.01	--	--	peak
16	5350.000	47.71	7.50	55.21	74.00	-18.79	peak
17	5350.000	37.89	7.50	45.39	54.00	-8.61	AVG
18	5371.680	49.51	7.56	57.07	74.00	-16.93	peak
19	5371.680	38.54	7.56	46.10	54.00	-7.90	AVG
20	5407.200	50.74	7.67	58.41	74.00	-15.59	peak
21	5407.200	38.69	7.67	46.36	54.00	-7.64	AVG
22	5452.320	50.94	7.79	58.73	74.00	-15.27	peak
23	5452.320	38.96	7.79	46.75	54.00	-7.25	AVG

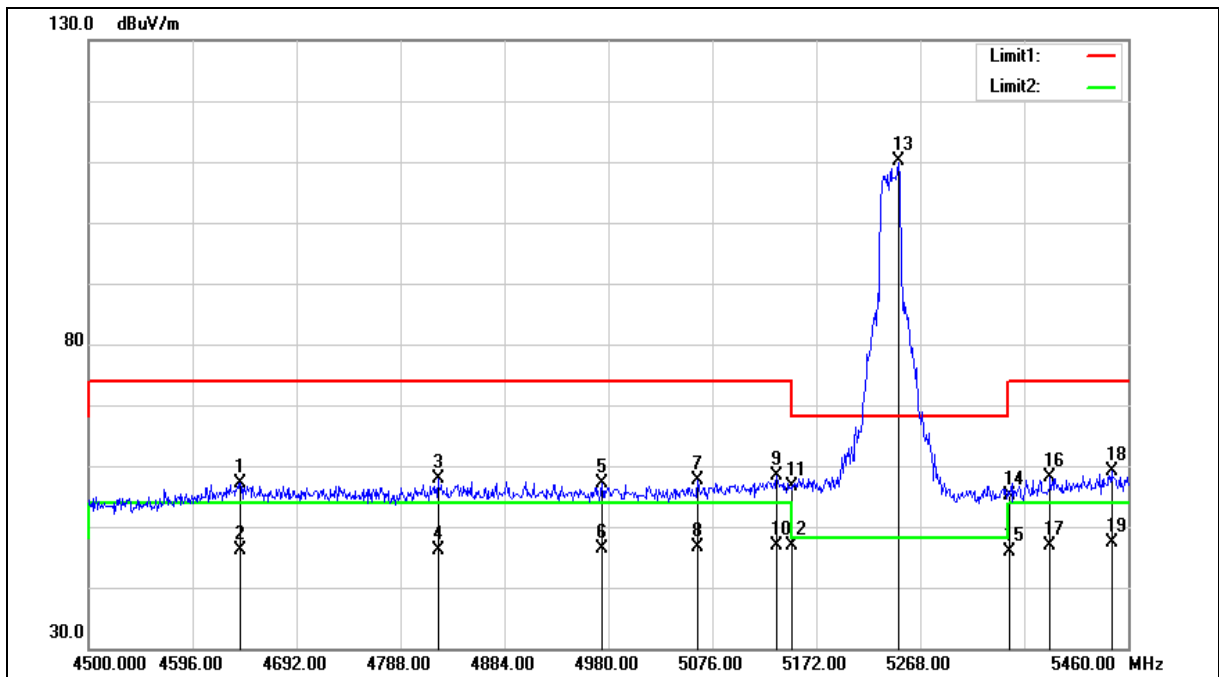
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 3		
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 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4640.160	51.78	5.41	57.19	74.00	-16.81	peak
2	4640.160	40.67	5.41	46.08	54.00	-7.92	AVG
3	4822.560	52.01	5.97	57.98	74.00	-16.02	peak
4	4822.560	40.28	5.97	46.25	54.00	-7.75	AVG
5	4974.240	50.81	6.43	57.24	74.00	-16.76	peak
6	4974.240	39.98	6.43	46.41	54.00	-7.59	AVG
7	5062.560	50.85	6.68	57.53	74.00	-16.47	peak
8	5062.560	39.91	6.68	46.59	54.00	-7.41	AVG
9	5135.520	51.54	6.90	58.44	74.00	-15.56	peak
10	5135.520	39.87	6.90	46.77	54.00	-7.23	AVG
11	5150.000	49.66	6.94	56.60	74.00	-17.40	peak
12	5150.000	39.97	6.94	46.91	54.00	-7.09	AVG
13	5247.840	103.01	7.22	110.23	--	--	peak
14	5350.000	47.63	7.50	55.13	74.00	-18.87	peak
15	5350.000	38.36	7.50	45.86	54.00	-8.14	AVG
16	5388.000	50.56	7.62	58.18	74.00	-15.82	peak
17	5388.000	39.31	7.62	46.93	54.00	-7.07	AVG
18	5444.640	51.24	7.77	59.01	74.00	-14.99	peak
19	5444.640	39.73	7.77	47.50	54.00	-6.50	AVG

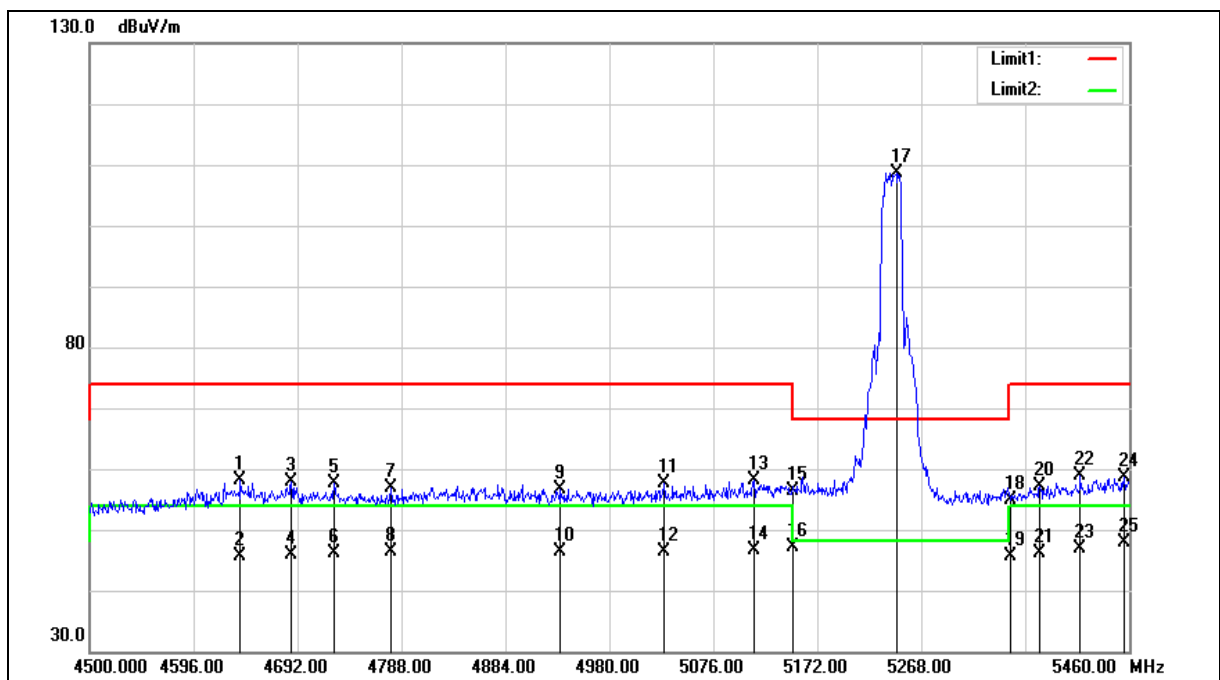
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	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 3		
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 3		
Ant.Polar.:	Vertical		

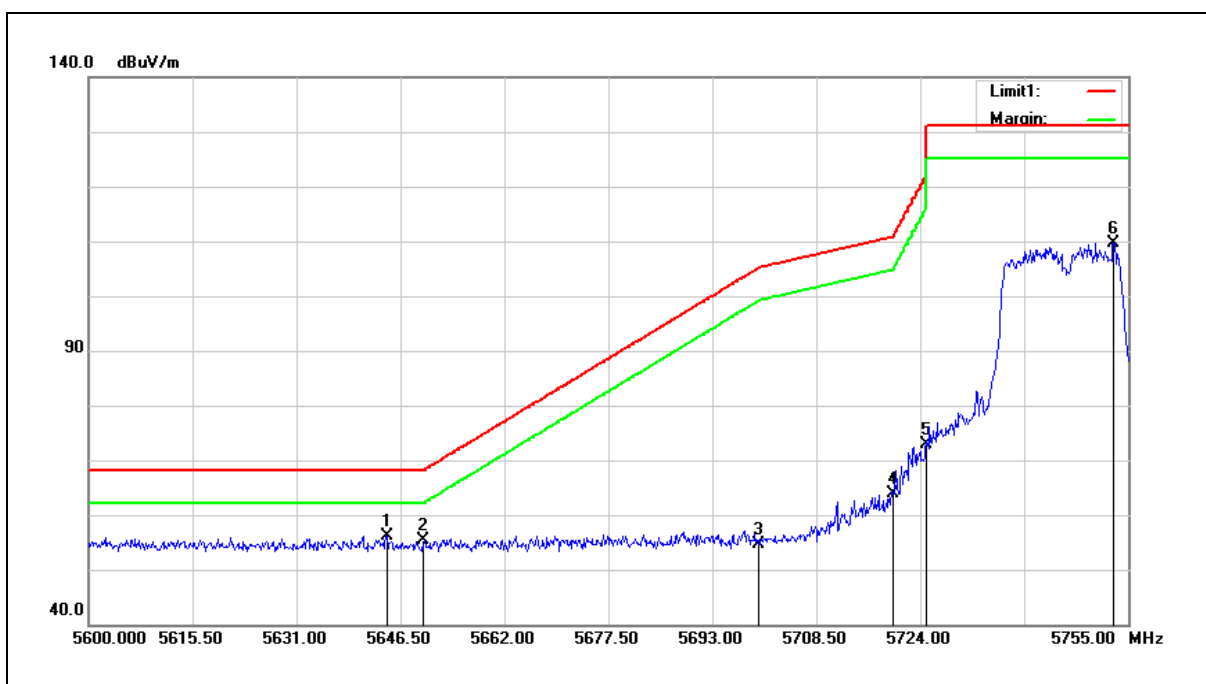
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4639.200	52.67	5.41	58.08	74.00	-15.92	peak
2	4639.200	40.28	5.41	45.69	54.00	-8.31	AVG
3	4686.240	52.40	5.55	57.95	74.00	-16.05	peak
4	4686.240	40.32	5.55	45.87	54.00	-8.13	AVG
5	4725.600	52.00	5.68	57.68	74.00	-16.32	peak
6	4725.600	40.45	5.68	46.13	54.00	-7.87	AVG
7	4778.400	51.12	5.82	56.94	74.00	-17.06	peak
8	4778.400	40.58	5.82	46.40	54.00	-7.60	AVG
9	4934.880	50.28	6.31	56.59	74.00	-17.41	peak
10	4934.880	40.11	6.31	46.42	54.00	-7.58	AVG
11	5030.880	51.05	6.60	57.65	74.00	-16.35	peak
12	5030.880	39.90	6.60	46.50	54.00	-7.50	AVG
13	5113.440	51.41	6.82	58.23	74.00	-15.77	peak
14	5113.440	39.86	6.82	46.68	54.00	-7.32	AVG
15	5150.000	49.54	6.94	56.48	74.00	-17.52	peak
16	5150.000	40.10	6.94	47.04	54.00	-6.96	AVG
17	5244.960	101.48	7.20	108.68	--	--	peak
18	5350.000	47.47	7.50	54.97	74.00	-19.03	peak
19	5350.000	38.23	7.50	45.73	54.00	-8.27	AVG
20	5377.440	49.56	7.59	57.15	74.00	-16.85	peak
21	5377.440	38.66	7.59	46.25	54.00	-7.75	AVG
22	5414.880	51.27	7.69	58.96	74.00	-15.04	peak
23	5414.880	39.30	7.69	46.99	54.00	-7.01	AVG
24	5455.200	50.75	7.81	58.56	74.00	-15.44	peak
25	5455.200	39.99	7.81	47.80	54.00	-6.20	AVG

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

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

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

Standard:	FCC Part 15.407	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 3		
Ant.Polar.:	Horizontal		



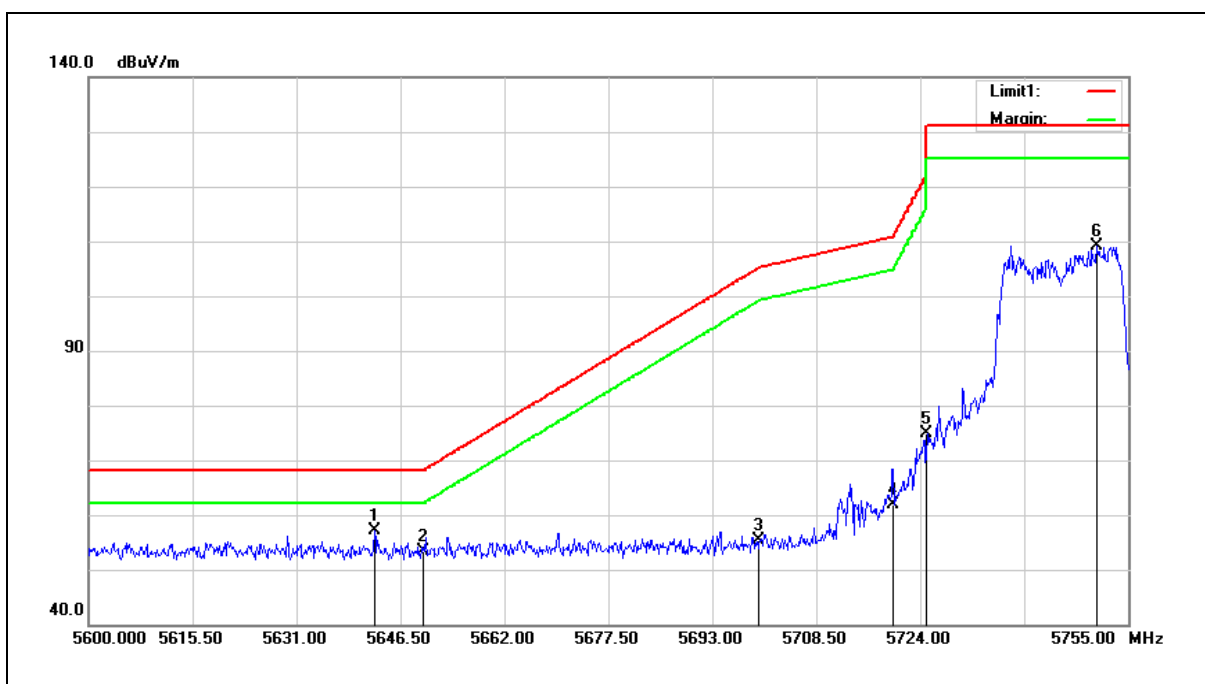
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5644.485	48.03	8.22	56.25	68.20	-11.95	peak
2	5650.000	47.22	8.24	55.46	68.20	-12.74	peak
3	5700.000	46.20	8.34	54.54	105.20	-50.66	peak
4	5720.000	55.46	8.38	63.84	110.80	-46.96	peak
5	5725.000	64.43	8.39	72.82	122.20	-49.38	peak
6	5752.830	101.27	8.44	109.71	--	--	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5642.625	48.86	8.22	57.08	68.20	-11.12	peak
2	5650.000	45.13	8.24	53.37	68.20	-14.83	peak
3	5700.000	47.02	8.34	55.36	105.20	-49.84	peak
4	5720.000	53.44	8.38	61.82	110.80	-48.98	peak
5	5725.000	66.40	8.39	74.79	122.20	-47.41	peak
6	5750.350	100.63	8.44	109.07	--	--	peak

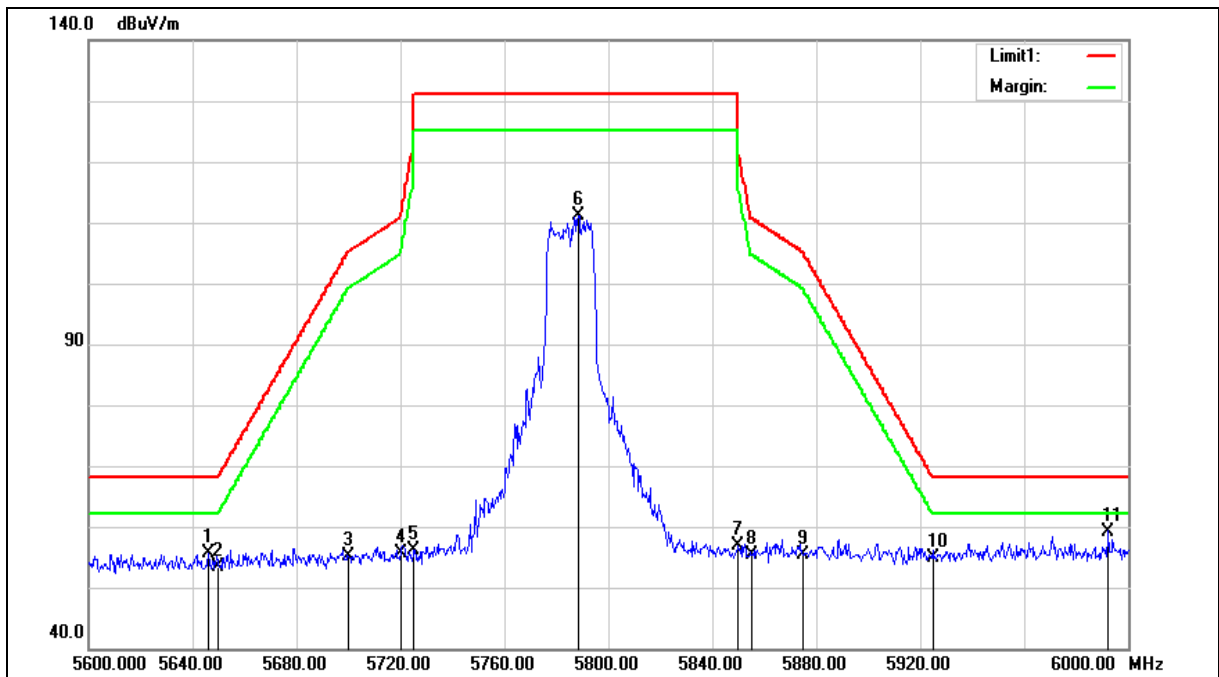
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5646.000	47.51	8.23	55.74	68.20	-12.46	peak
2	5650.000	45.26	8.24	53.50	68.20	-14.70	peak
3	5700.000	46.76	8.34	55.10	105.20	-50.10	peak
4	5720.000	47.14	8.38	55.52	110.80	-55.28	peak
5	5725.000	47.72	8.39	56.11	122.20	-66.09	peak
6	5788.400	102.53	8.51	111.04	--	--	peak
7	5850.000	48.17	8.63	56.80	122.20	-65.40	peak
8	5855.000	46.84	8.64	55.48	110.80	-55.32	peak
9	5875.000	46.62	8.69	55.31	105.20	-49.89	peak
10	5925.000	46.13	8.79	54.92	68.20	-13.28	peak
11	5992.400	50.33	8.92	59.25	68.20	-8.95	peak

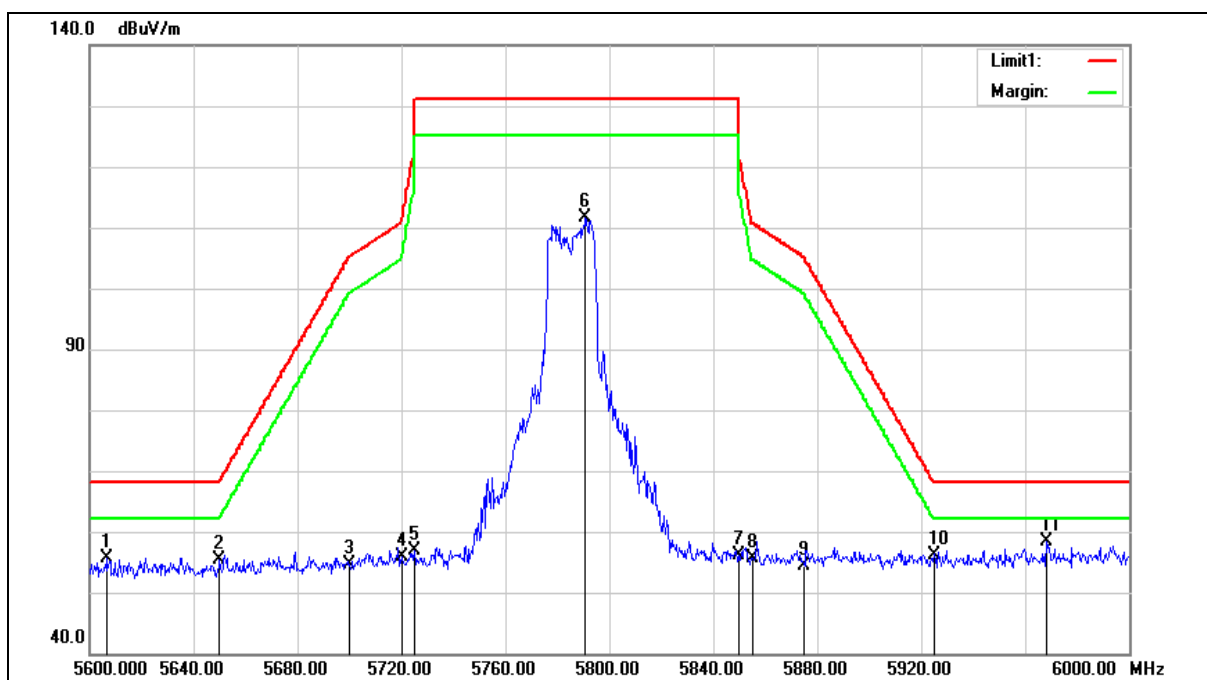
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 3		
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 3		
Ant.Polar.:	Vertical		

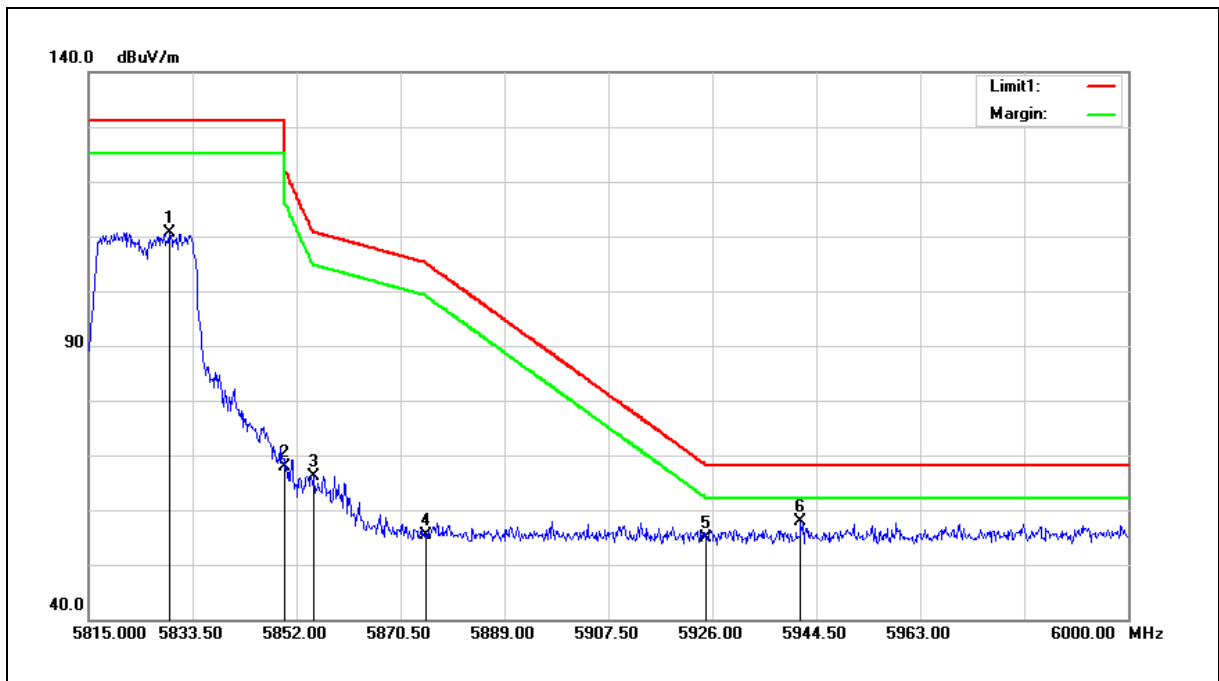
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5606.800	47.56	8.14	55.70	68.20	-12.50	peak
2	5650.000	47.14	8.24	55.38	68.20	-12.82	peak
3	5700.000	46.32	8.34	54.66	105.20	-50.54	peak
4	5720.000	47.54	8.38	55.92	110.80	-54.88	peak
5	5725.000	48.59	8.39	56.98	122.20	-65.22	peak
6	5790.800	103.03	8.51	111.54	--	--	peak
7	5850.000	47.44	8.63	56.07	122.20	-66.13	peak
8	5855.000	46.99	8.64	55.63	110.80	-55.17	peak
9	5875.000	45.81	8.69	54.50	105.20	-50.70	peak
10	5925.000	47.45	8.79	56.24	68.20	-11.96	peak
11	5968.000	49.55	8.88	58.43	68.20	-9.77	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 3		
Ant.Polar.:	Horizontal		



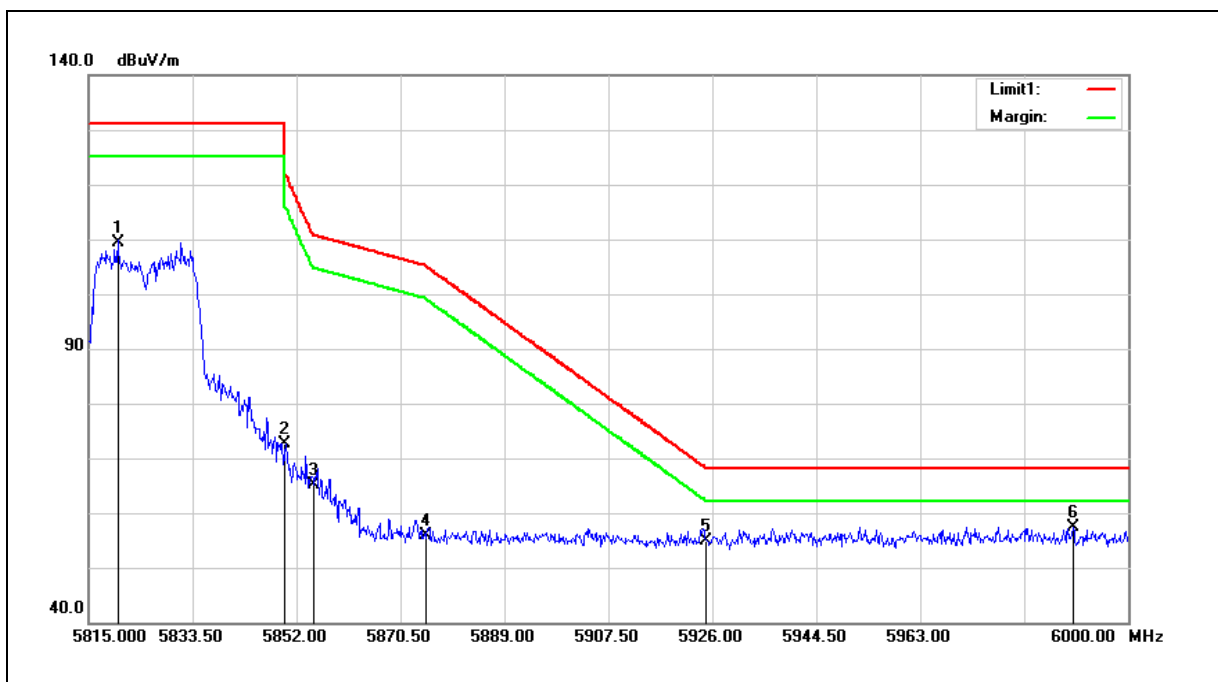
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5829.430	102.14	8.59	110.73	--	--	peak
2	5850.000	59.22	8.63	67.85	122.20	-54.35	peak
3	5855.000	57.37	8.64	66.01	110.80	-44.79	peak
4	5875.000	46.69	8.69	55.38	105.20	-49.82	peak
5	5925.000	46.00	8.79	54.79	68.20	-13.41	peak
6	5941.725	48.99	8.82	57.81	68.20	-10.39	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:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5820.180	100.78	8.57	109.35	--	--	peak
2	5850.000	63.99	8.63	72.62	122.20	-49.58	peak
3	5855.000	56.38	8.64	65.02	110.80	-45.78	peak
4	5875.000	47.13	8.69	55.82	105.20	-49.38	peak
5	5925.000	46.04	8.79	54.83	68.20	-13.37	peak
6	5990.195	48.53	8.92	57.45	68.20	-10.75	peak

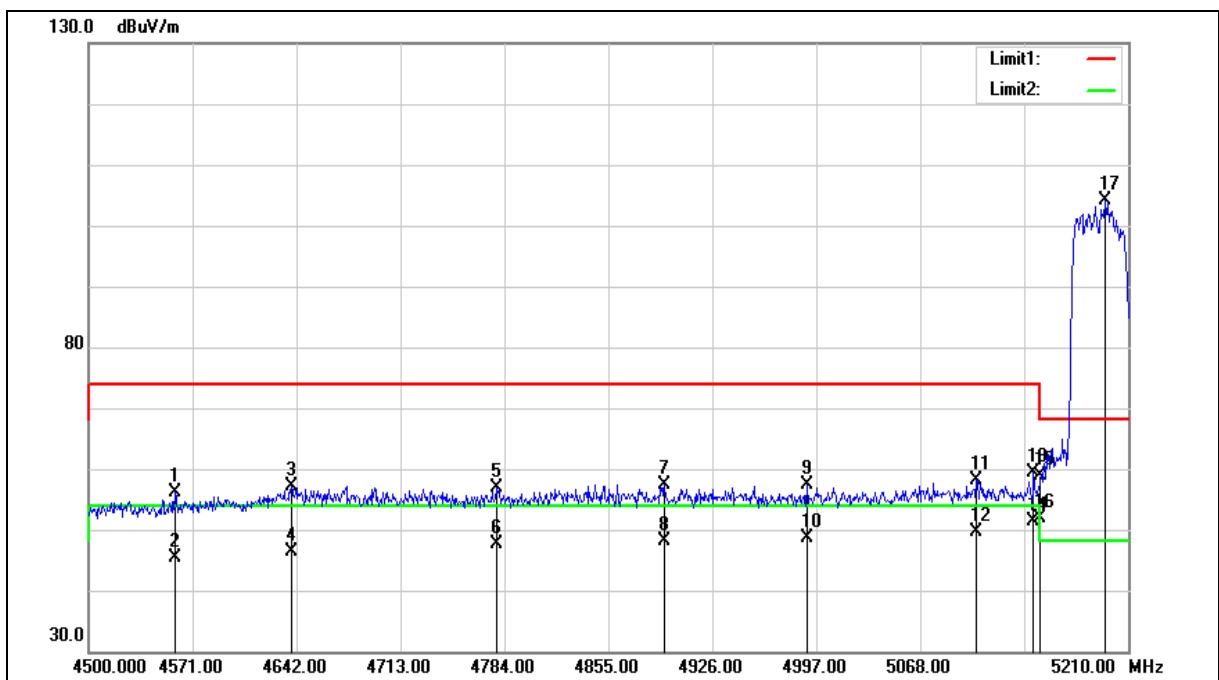
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
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 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4558.930	50.88	5.16	56.04	74.00	-17.96	peak
2	4558.930	40.23	5.16	45.39	54.00	-8.61	AVG
3	4638.450	51.72	5.40	57.12	74.00	-16.88	peak
4	4638.450	41.10	5.40	46.50	54.00	-7.50	AVG
5	4779.030	51.06	5.83	56.89	74.00	-17.11	peak
6	4779.030	41.86	5.83	47.69	54.00	-6.31	AVG
7	4893.340	51.28	6.19	57.47	74.00	-16.53	peak
8	4893.340	41.84	6.19	48.03	54.00	-5.97	AVG
9	4990.610	50.83	6.48	57.31	74.00	-16.69	peak
10	4990.610	42.14	6.48	48.62	54.00	-5.38	AVG
11	5106.340	51.36	6.81	58.17	74.00	-15.83	peak
12	5106.340	42.91	6.81	49.72	54.00	-4.28	AVG
13	5145.390	52.54	6.93	59.47	74.00	-14.53	peak
14	5145.390	44.54	6.93	51.47	54.00	-2.53	AVG
15	5150.000	51.86	6.94	58.80	74.00	-15.20	peak
16	5150.000	44.85	6.94	51.79	54.00	-2.21	AVG
17	5194.380	96.99	7.06	104.05	--	--	peak

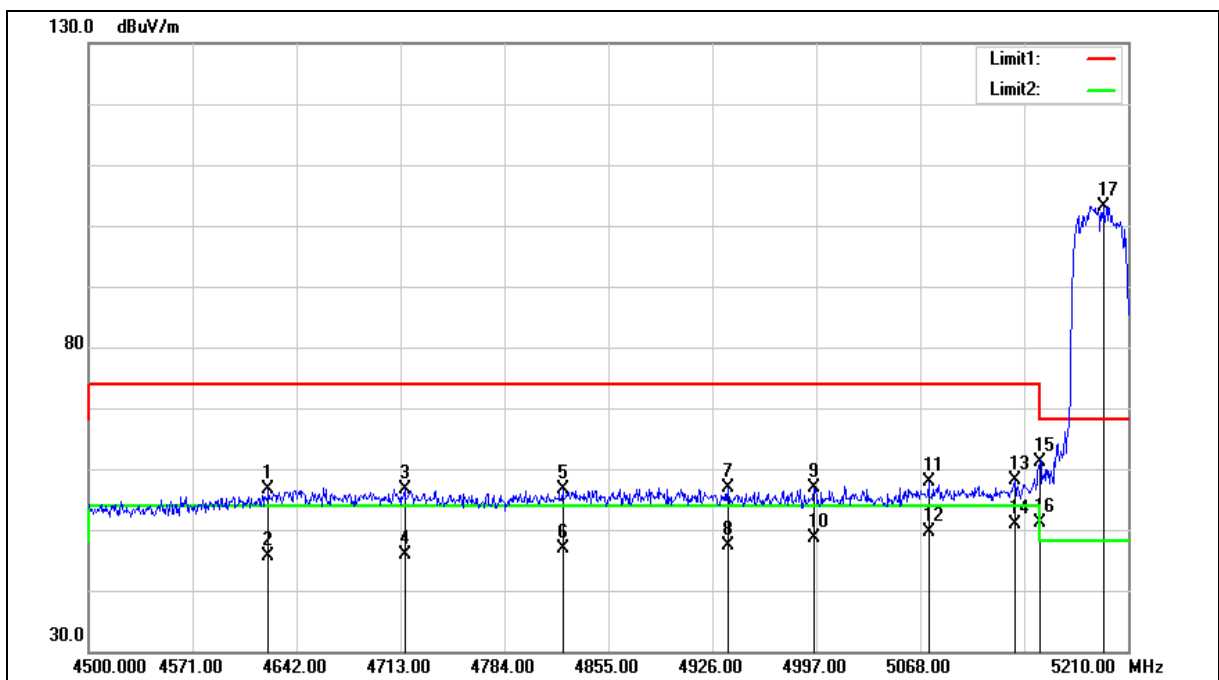
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
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 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4622.830	51.30	5.36	56.66	74.00	-17.34	peak
2	4622.830	40.17	5.36	45.53	54.00	-8.47	AVG
3	4715.840	50.90	5.63	56.53	74.00	-17.47	peak
4	4715.840	40.16	5.63	45.79	54.00	-8.21	AVG
5	4823.760	50.57	5.97	56.54	74.00	-17.46	peak
6	4823.760	40.99	5.97	46.96	54.00	-7.04	AVG
7	4936.650	50.49	6.32	56.81	74.00	-17.19	peak
8	4936.650	41.02	6.32	47.34	54.00	-6.66	AVG
9	4995.580	50.30	6.50	56.80	74.00	-17.20	peak
10	4995.580	42.11	6.50	48.61	54.00	-5.39	AVG
11	5073.680	51.07	6.71	57.78	74.00	-16.22	peak
12	5073.680	43.00	6.71	49.71	54.00	-4.29	AVG
13	5132.610	51.27	6.89	58.16	74.00	-15.84	peak
14	5132.610	43.97	6.89	50.86	54.00	-3.14	AVG
15	5150.000	54.31	6.94	61.25	74.00	-12.75	peak
16	5150.000	44.27	6.94	51.21	54.00	-2.79	AVG
17	5192.960	96.17	7.06	103.23	--	--	peak

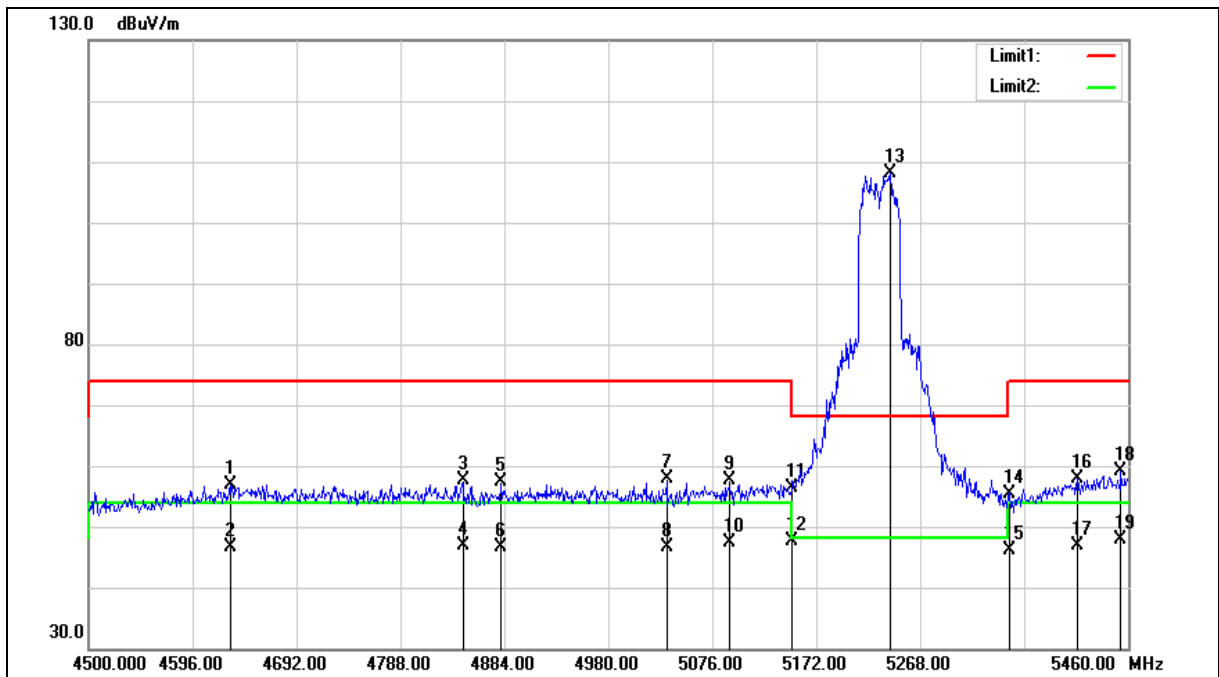
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
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 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4630.560	51.42	5.38	56.80	74.00	-17.20	peak
2	4630.560	41.14	5.38	46.52	54.00	-7.48	AVG
3	4845.600	51.71	6.04	57.75	74.00	-16.25	peak
4	4845.600	40.84	6.04	46.88	54.00	-7.12	AVG
5	4881.120	51.13	6.15	57.28	74.00	-16.72	peak
6	4881.120	40.54	6.15	46.69	54.00	-7.31	AVG
7	5033.760	51.38	6.60	57.98	74.00	-16.02	peak
8	5033.760	40.12	6.60	46.72	54.00	-7.28	AVG
9	5092.320	50.79	6.77	57.56	74.00	-16.44	peak
10	5092.320	40.49	6.77	47.26	54.00	-6.74	AVG
11	5150.000	49.56	6.94	56.50	74.00	-17.50	peak
12	5150.000	40.69	6.94	47.63	74.00	-26.37	peak
13	5240.160	100.89	7.19	108.08	--	--	peak
14	5350.000	47.89	7.50	55.39	74.00	-18.61	peak
15	5350.000	38.51	7.50	46.01	54.00	-7.99	AVG
16	5412.960	50.26	7.68	57.94	74.00	-16.06	peak
17	5412.960	39.25	7.68	46.93	54.00	-7.07	AVG
18	5453.280	51.43	7.80	59.23	74.00	-14.77	peak
19	5453.280	40.09	7.80	47.89	54.00	-6.11	AVG

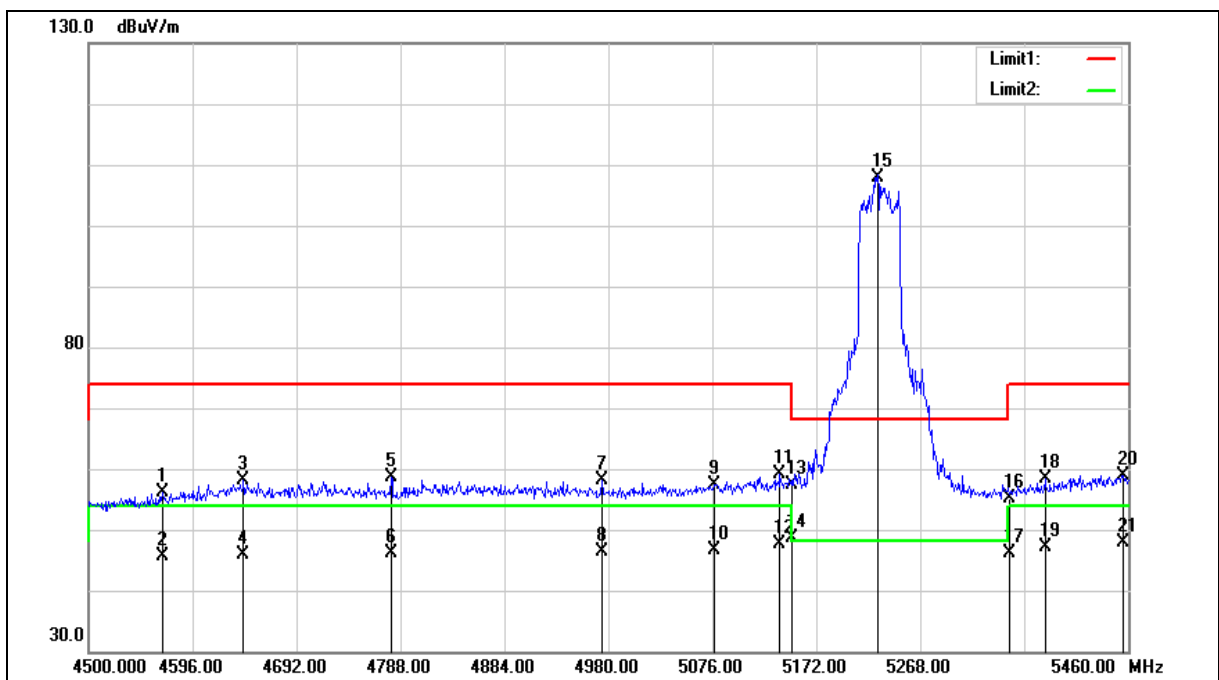
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 4		
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 4		
Ant.Polar.:	Vertical		

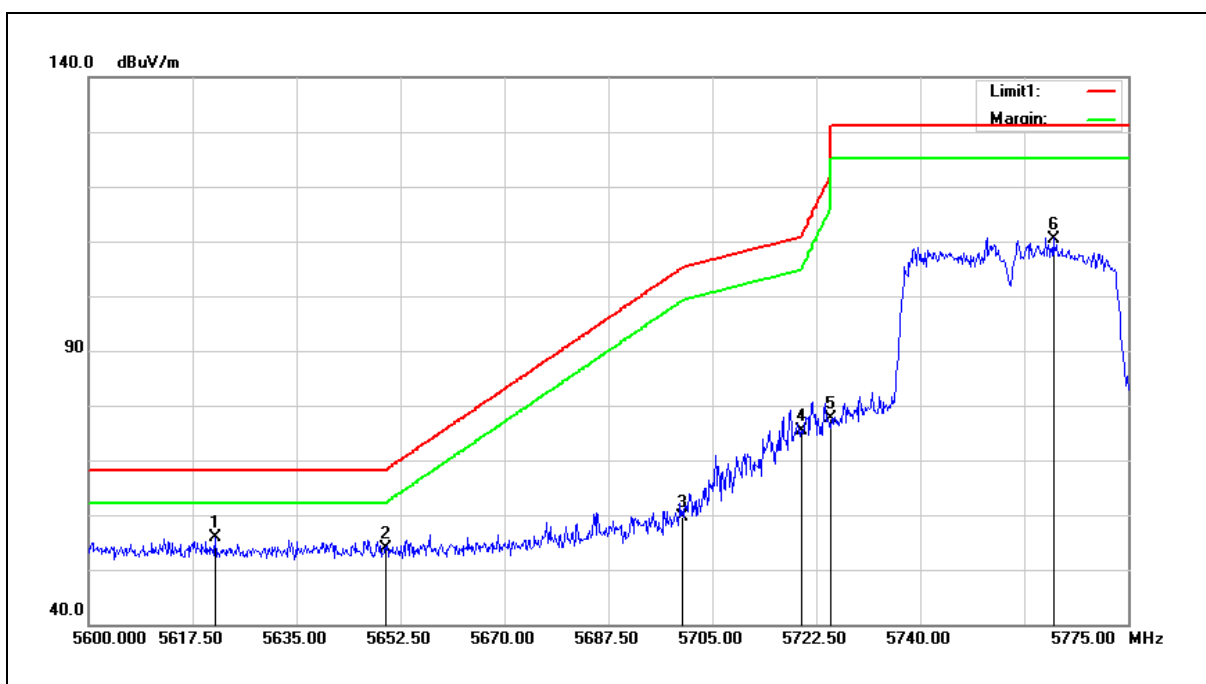
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4568.160	51.01	5.19	56.20	74.00	-17.80	peak
2	4568.160	40.48	5.19	45.67	54.00	-8.33	AVG
3	4643.040	52.61	5.41	58.02	74.00	-15.98	peak
4	4643.040	40.44	5.41	45.85	54.00	-8.15	AVG
5	4779.360	52.82	5.83	58.65	74.00	-15.35	peak
6	4779.360	40.25	5.83	46.08	54.00	-7.92	AVG
7	4974.240	51.65	6.43	58.08	74.00	-15.92	peak
8	4974.240	39.98	6.43	46.41	54.00	-7.59	AVG
9	5077.920	50.70	6.73	57.43	74.00	-16.57	peak
10	5077.920	40.00	6.73	46.73	54.00	-7.27	AVG
11	5138.400	52.15	6.91	59.06	74.00	-14.94	peak
12	5138.400	40.72	6.91	47.63	54.00	-6.37	AVG
13	5150.000	50.48	6.94	57.42	74.00	-16.58	peak
14	5150.000	41.59	6.94	48.53	54.00	-5.47	AVG
15	5228.640	100.83	7.16	107.99	--	--	peak
16	5350.000	47.60	7.50	55.10	74.00	-18.90	peak
17	5350.000	38.62	7.50	46.12	54.00	-7.88	AVG
18	5383.200	50.74	7.60	58.34	74.00	-15.66	peak
19	5383.200	39.42	7.60	47.02	54.00	-6.98	AVG
20	5455.200	51.09	7.81	58.90	74.00	-15.10	peak
21	5455.200	40.12	7.81	47.93	54.00	-6.07	AVG

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

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

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

Standard:	FCC Part 15.407	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 4		
Ant.Polar.:	Horizontal		



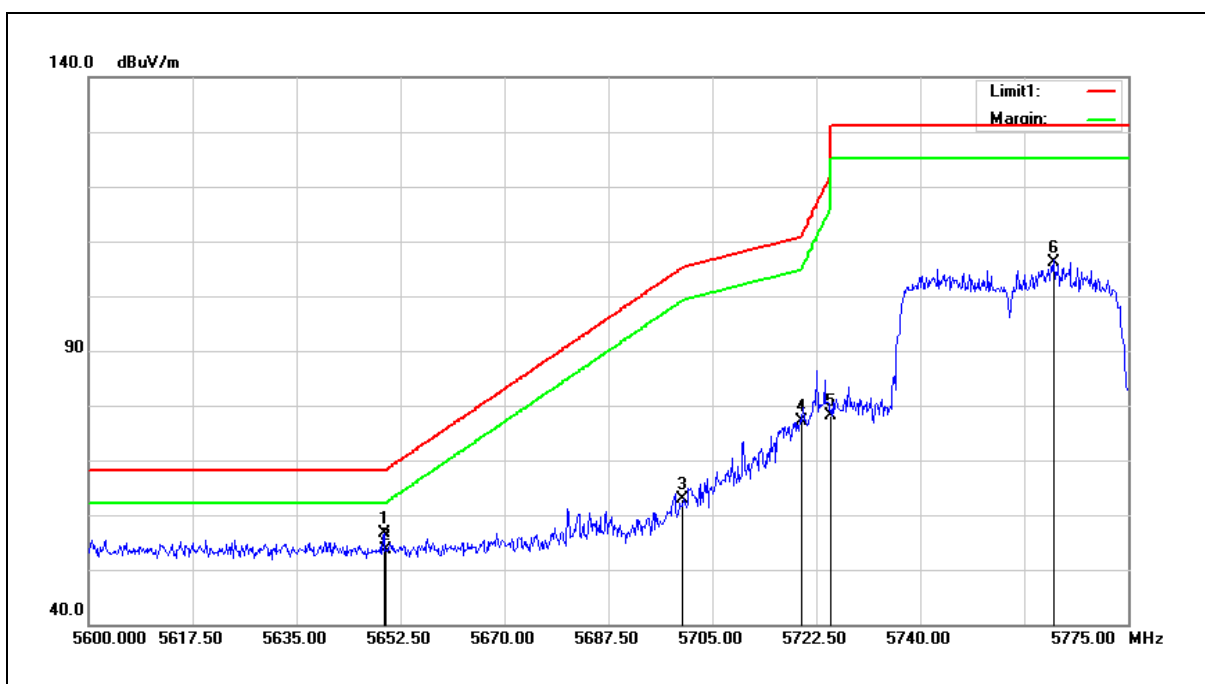
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.350	47.82	8.17	55.99	68.20	-12.21	peak
2	5650.000	45.60	8.24	53.84	68.20	-14.36	peak
3	5700.000	51.23	8.34	59.57	105.20	-45.63	peak
4	5720.000	66.90	8.38	75.28	110.80	-35.52	peak
5	5725.000	69.30	8.39	77.69	122.20	-44.51	peak
6	5762.400	102.03	8.46	110.49	--	--	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:	5755 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



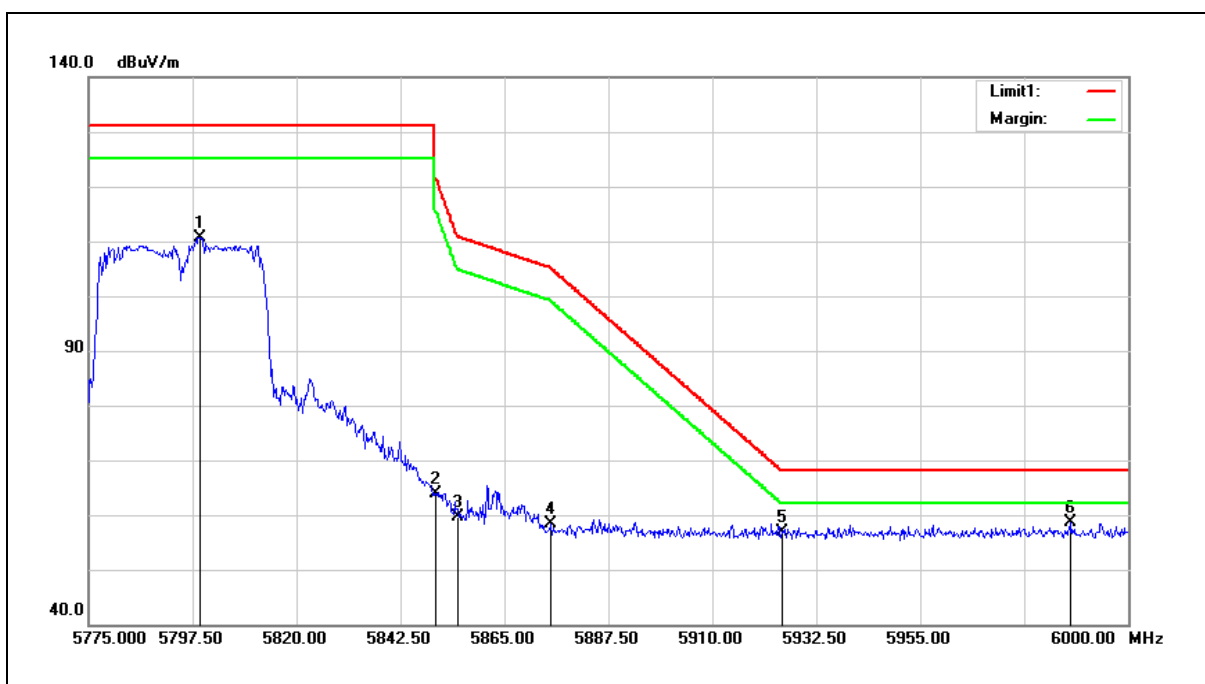
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5649.700	48.34	8.24	56.58	68.20	-11.62	peak
2	5650.000	45.41	8.24	53.65	68.20	-14.55	peak
3	5700.000	54.47	8.34	62.81	105.20	-42.39	peak
4	5720.000	68.69	8.38	77.07	110.80	-33.73	peak
5	5725.000	69.80	8.39	78.19	122.20	-44.01	peak
6	5762.400	97.75	8.46	106.21	--	--	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



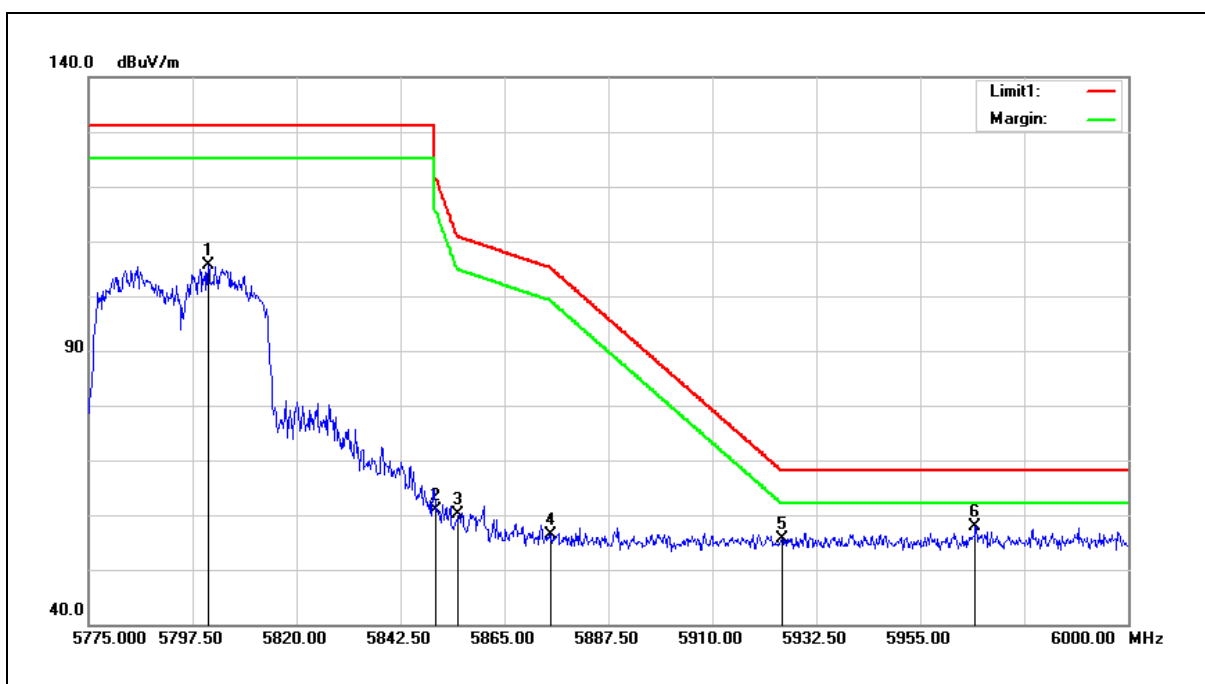
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5799.075	102.09	8.53	110.62	--	--	peak
2	5850.000	55.31	8.63	63.94	122.20	-58.26	peak
3	5855.000	51.00	8.64	59.64	110.80	-51.16	peak
4	5875.000	49.74	8.69	58.43	105.20	-46.77	peak
5	5925.000	47.98	8.79	56.77	68.20	-11.43	peak
6	5987.625	49.62	8.92	58.54	68.20	-9.66	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:	5795 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5800.875	97.20	8.53	105.73	--	--	peak
2	5850.000	52.32	8.63	60.95	122.20	-61.25	peak
3	5855.000	51.41	8.64	60.05	110.80	-50.75	peak
4	5875.000	47.61	8.69	56.30	105.20	-48.90	peak
5	5925.000	46.93	8.79	55.72	68.20	-12.48	peak
6	5966.925	49.04	8.88	57.92	68.20	-10.28	peak

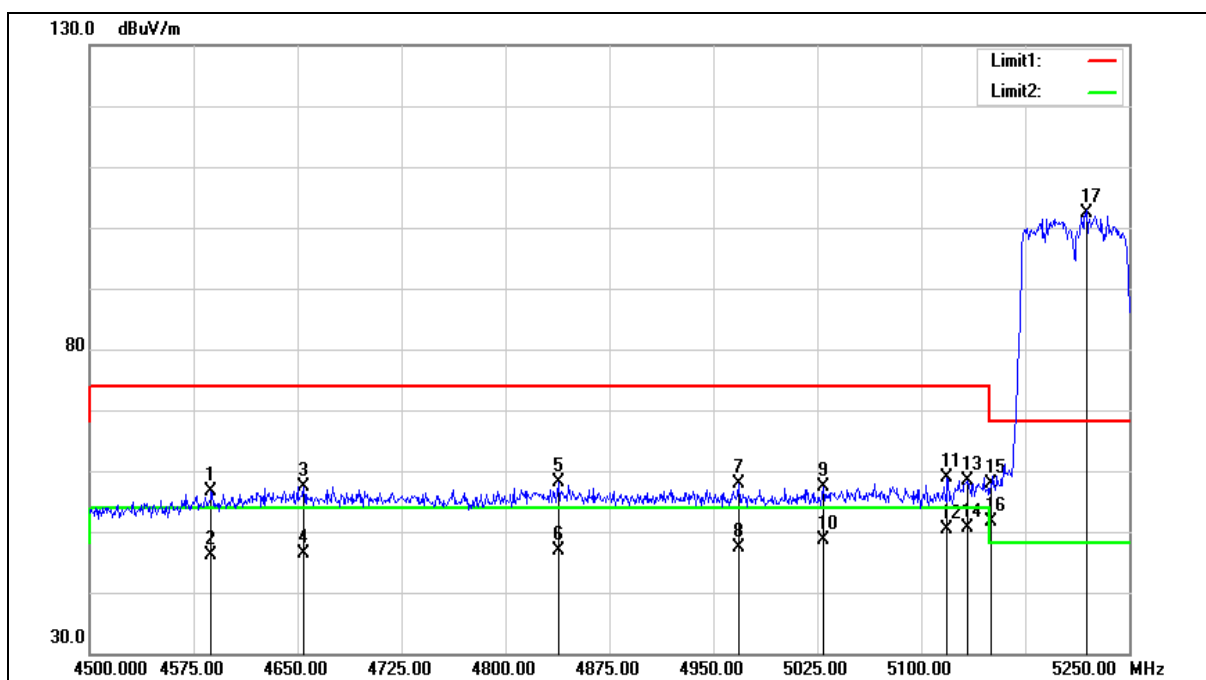
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5210 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:	5210 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	4587.750	51.28	5.24	56.52	74.00	-17.48	peak
2	4587.750	40.78	5.24	46.02	54.00	-7.98	AVG
3	4654.500	52.03	5.45	57.48	74.00	-16.52	peak
4	4654.500	40.91	5.45	46.36	54.00	-7.64	AVG
5	4838.250	52.03	6.01	58.04	74.00	-15.96	peak
6	4838.250	40.90	6.01	46.91	54.00	-7.09	AVG
7	4968.750	51.55	6.41	57.96	74.00	-16.04	peak
8	4968.750	40.94	6.41	47.35	54.00	-6.65	AVG
9	5029.500	50.71	6.59	57.30	74.00	-16.70	peak
10	5029.500	41.92	6.59	48.51	54.00	-5.49	AVG
11	5118.750	51.95	6.84	58.79	74.00	-15.21	peak
12	5118.750	43.62	6.84	50.46	54.00	-3.54	AVG
13	5133.750	51.59	6.89	58.48	74.00	-15.52	peak
14	5133.750	43.84	6.89	50.73	54.00	-3.27	AVG
15	5150.000	51.04	6.94	57.98	74.00	-16.02	peak
16	5150.000	44.79	6.94	51.73	54.00	-2.27	AVG
17	5219.250	95.19	7.13	102.32	--	--	peak

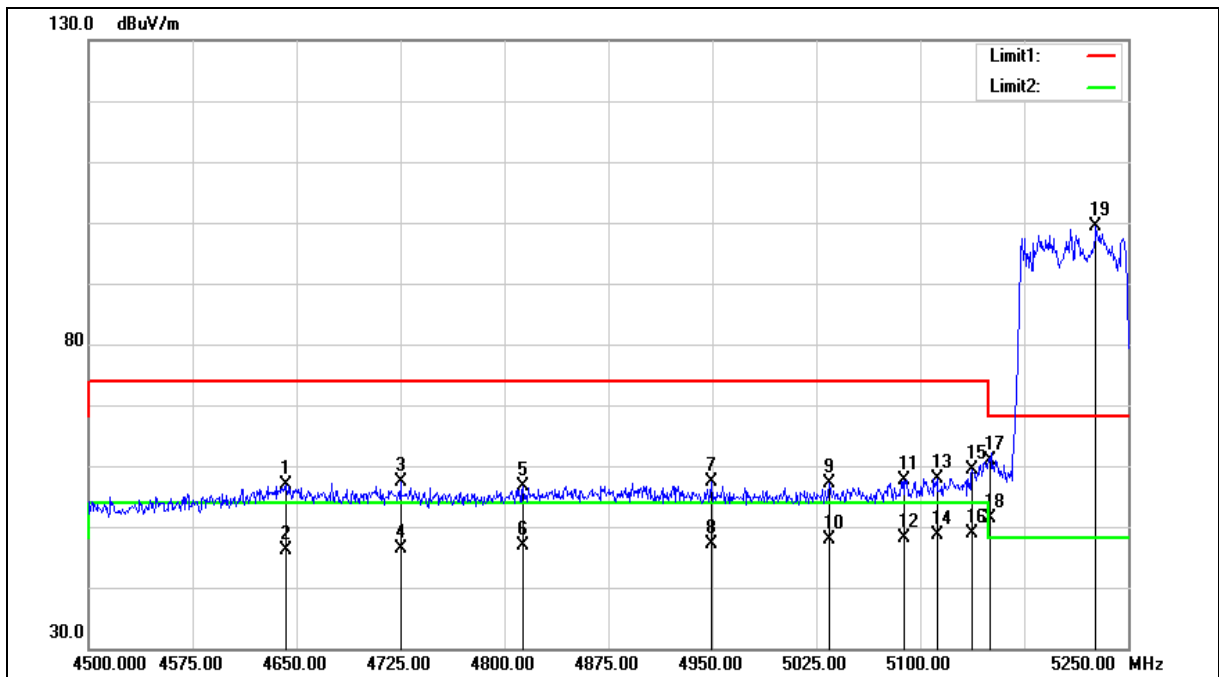
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5210 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:	5210 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	4642.500	51.37	5.41	56.78	74.00	-17.22	peak
2	4642.500	40.60	5.41	46.01	54.00	-7.99	AVG
3	4725.000	51.59	5.67	57.26	74.00	-16.74	peak
4	4725.000	40.69	5.67	46.36	54.00	-7.64	AVG
5	4813.500	50.66	5.94	56.60	74.00	-17.40	peak
6	4813.500	40.84	5.94	46.78	54.00	-7.22	AVG
7	4949.250	51.04	6.35	57.39	74.00	-16.61	peak
8	4949.250	40.66	6.35	47.01	54.00	-6.99	AVG
9	5034.000	50.58	6.60	57.18	74.00	-16.82	peak
10	5034.000	41.29	6.60	47.89	54.00	-6.11	AVG
11	5088.750	50.80	6.76	57.56	74.00	-16.44	peak
12	5088.750	41.48	6.76	48.24	54.00	-5.76	AVG
13	5112.000	51.15	6.82	57.97	74.00	-16.03	peak
14	5112.000	41.90	6.82	48.72	54.00	-5.28	AVG
15	5137.500	52.54	6.91	59.45	74.00	-14.55	peak
16	5137.500	42.01	6.91	48.92	54.00	-5.08	AVG
17	5150.000	53.95	6.94	60.89	74.00	-13.11	peak
18	5150.000	44.33	6.94	51.27	54.00	-2.73	AVG
19	5226.750	92.29	7.16	99.45	--	--	peak

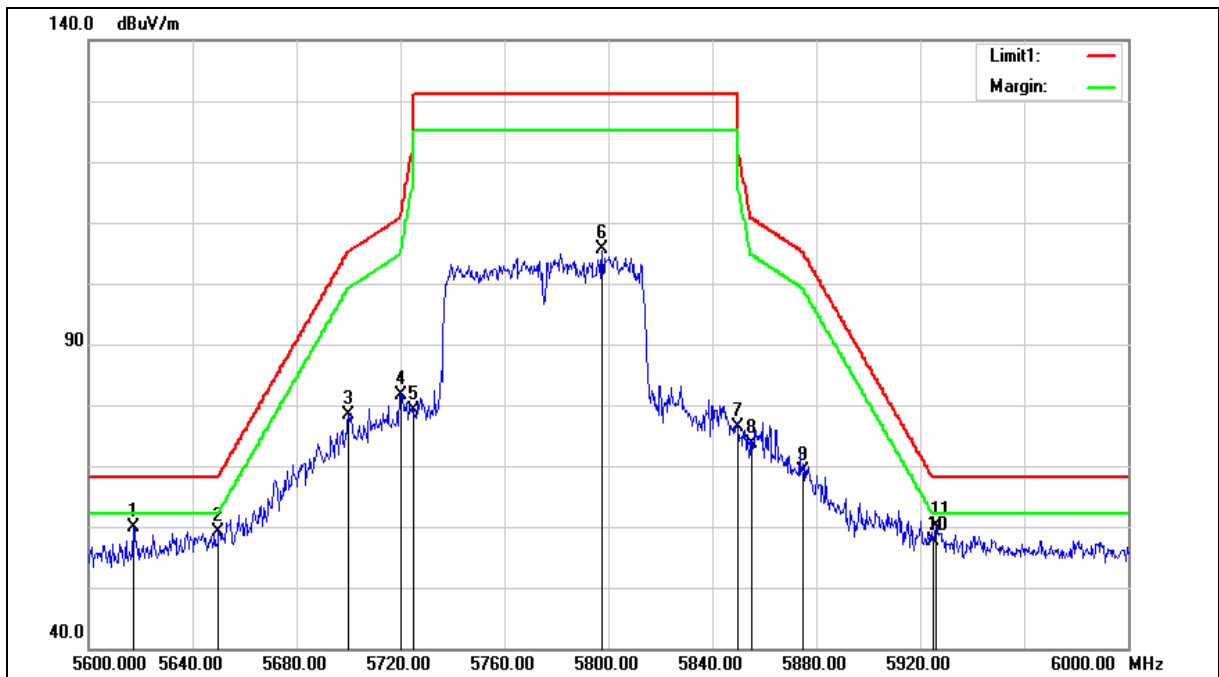
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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 5		
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 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.200	51.65	8.16	59.81	68.20	-8.39	peak
2	5650.000	50.84	8.24	59.08	68.20	-9.12	peak
3	5700.000	70.10	8.34	78.44	105.20	-26.76	peak
4	5720.000	73.13	8.38	81.51	110.80	-29.29	peak
5	5725.000	70.66	8.39	79.05	122.20	-43.15	peak
6	5797.600	97.20	8.53	105.73	--	--	peak
7	5850.000	67.87	8.63	76.50	122.20	-45.70	peak
8	5855.000	65.07	8.64	73.71	110.80	-37.09	peak
9	5875.000	60.50	8.69	69.19	105.20	-36.01	peak
10	5925.000	48.96	8.79	57.75	68.20	-10.45	peak
11	5926.000	51.45	8.80	60.25	68.20	-7.95	peak

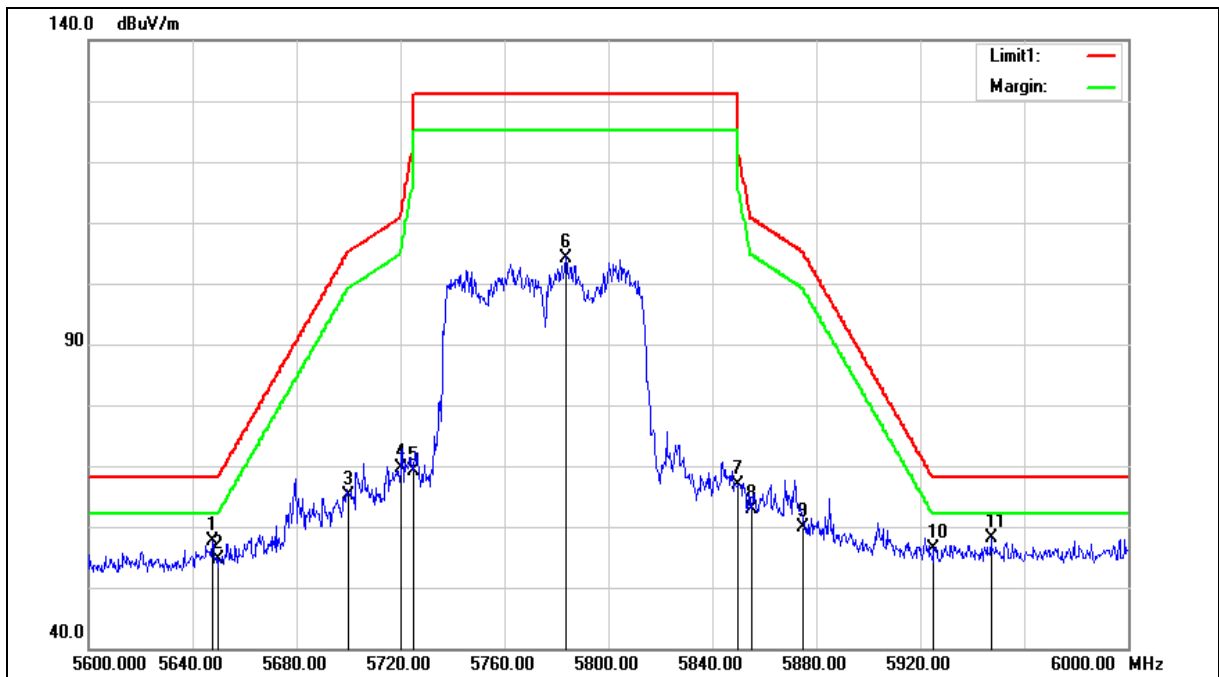
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5775 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:	5775 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	5647.600	49.40	8.23	57.63	68.20	-10.57	peak
2	5650.000	46.39	8.24	54.63	68.20	-13.57	peak
3	5700.000	56.79	8.34	65.13	105.20	-40.07	peak
4	5720.000	61.31	8.38	69.69	110.80	-41.11	peak
5	5725.000	60.69	8.39	69.08	122.20	-53.12	peak
6	5783.600	95.66	8.50	104.16	--	--	peak
7	5850.000	58.34	8.63	66.97	122.20	-55.23	peak
8	5855.000	54.35	8.64	62.99	110.80	-47.81	peak
9	5875.000	51.28	8.69	59.97	105.20	-45.23	peak
10	5925.000	47.59	8.79	56.38	68.20	-11.82	peak
11	5947.200	49.41	8.84	58.25	68.20	-9.95	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.

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		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	19.10	0.081	≤ 30.00
5200.0		20.06	0.101	≤ 30.00
5220.0		19.99	0.100	≤ 30.00
5240.0		19.93	0.098	≤ 30.00
5745.0		20.81	0.121	≤ 30.00
5765.0		20.91	0.123	≤ 30.00
5785.0		20.85	0.122	≤ 30.00
5805.0		20.71	0.118	≤ 30.00
5825.0		20.81	0.121	≤ 30.00
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	19.16	0.082	≤ 30.00
5200.0		19.99	0.100	≤ 30.00
5220.0		19.95	0.099	≤ 30.00
5240.0		19.91	0.098	≤ 30.00
5745.0		21.38	0.137	≤ 30.00
5765.0		21.09	0.129	≤ 30.00
5785.0		21.41	0.138	≤ 30.00
5805.0		21.13	0.130	≤ 30.00
5825.0		21.00	0.126	≤ 30.00
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	22.14	0.164	≤ 30.00
5200.0		23.04	0.201	≤ 30.00
5220.0		22.98	0.199	≤ 30.00
5240.0		22.93	0.196	≤ 30.00
5745.0		24.11	0.258	≤ 30.00
5765.0		24.01	0.252	≤ 30.00
5785.0		24.15	0.260	≤ 30.00
5805.0		23.94	0.247	≤ 30.00
5825.0		23.92	0.246	≤ 30.00

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

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	18.81	0.076	≤ 28.20
5200.0		20.18	0.104	≤ 28.20
5220.0		20.42	0.110	≤ 28.20
5240.0		20.36	0.109	≤ 28.20
5745.0		21.10	0.129	≤ 28.67
5765.0		21.05	0.127	≤ 28.67
5785.0		21.07	0.128	≤ 28.67
5805.0		20.99	0.126	≤ 28.67
5825.0		20.69	0.117	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	18.51	0.071	≤ 28.20
5200.0		19.94	0.099	≤ 28.20
5220.0		19.95	0.099	≤ 28.20
5240.0		19.85	0.097	≤ 28.20
5745.0		21.39	0.138	≤ 28.67
5765.0		21.29	0.135	≤ 28.67
5785.0		21.25	0.133	≤ 28.67
5805.0		20.94	0.124	≤ 28.67
5825.0		20.88	0.122	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	21.67	0.147	≤ 28.20
5200.0		23.07	0.203	≤ 28.20
5220.0		23.20	0.209	≤ 28.20
5240.0		23.12	0.205	≤ 28.20
5745.0		24.26	0.267	≤ 28.67
5765.0		24.18	0.262	≤ 28.67
5785.0		24.17	0.261	≤ 28.67
5805.0		23.98	0.250	≤ 28.67
5825.0		23.80	0.240	≤ 28.67

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

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	17.12	0.052	≤ 28.20
5230.0		21.04	0.127	≤ 28.20
5755.0		21.45	0.140	≤ 28.67
5795.0		21.54	0.143	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	17.05	0.051	≤ 28.20
5230.0		20.72	0.118	≤ 28.20
5755.0		21.95	0.157	≤ 28.67
5795.0		21.86	0.153	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	20.10	0.102	≤ 28.20
5230.0		23.89	0.245	≤ 28.20
5755.0		24.72	0.296	≤ 28.67
5795.0		24.71	0.296	≤ 28.67

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	16.51	0.045	≤ 28.20
5775.0		21.28	0.134	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	16.44	0.044	≤ 28.20
5775.0		21.57	0.144	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	19.49	0.089	≤ 28.20
5775.0		24.44	0.278	≤ 28.67

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

Beamforming on

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	15.69	0.037	≤ 28.20
5200.0		16.83	0.048	≤ 28.20
5220.0		17.09	0.051	≤ 28.20
5240.0		17.00	0.050	≤ 28.20
5745.0		17.68	0.059	≤ 28.67
5765.0		17.52	0.056	≤ 28.67
5785.0		17.58	0.057	≤ 28.67
5805.0		17.63	0.058	≤ 28.67
5825.0		17.65	0.058	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	15.41	0.035	≤ 28.20
5200.0		16.68	0.047	≤ 28.20
5220.0		16.75	0.047	≤ 28.20
5240.0		16.61	0.046	≤ 28.20
5745.0		17.82	0.061	≤ 28.67
5765.0		17.78	0.060	≤ 28.67
5785.0		17.91	0.062	≤ 28.67
5805.0		17.86	0.061	≤ 28.67
5825.0		17.75	0.060	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5180.0	13 M	18.56	0.072	≤ 28.20
5200.0		19.77	0.095	≤ 28.20
5220.0		19.93	0.098	≤ 28.20
5240.0		19.82	0.096	≤ 28.20
5745.0		20.76	0.119	≤ 28.67
5765.0		20.66	0.116	≤ 28.67
5785.0		20.76	0.119	≤ 28.67
5805.0		20.76	0.119	≤ 28.67
5825.0		20.71	0.118	≤ 28.67

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

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	13.81	0.024	≤ 28.20
5230.0		17.47	0.056	≤ 28.20
5755.0		17.84	0.061	≤ 28.67
5795.0		17.90	0.062	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	13.71	0.023	≤ 28.20
5230.0		17.35	0.054	≤ 28.20
5755.0		18.29	0.067	≤ 28.67
5795.0		18.13	0.065	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5190.0	27 M	16.77	0.048	≤ 28.20
5230.0		20.42	0.110	≤ 28.20
5755.0		21.08	0.128	≤ 28.67
5795.0		21.03	0.127	≤ 28.67

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	13.19	0.021	≤ 28.20
5775.0		17.77	0.060	≤ 28.67
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	14.59	0.029	≤ 28.20
5775.0		18.23	0.067	≤ 28.67
Frequency (MHz)	Data Rate	ANT-0+1		Limit (dBm)
		(dBm)	(W)	
5210.0	58.6 M	16.96	0.050	≤ 28.20
5775.0		21.02	0.126	≤ 28.67

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