RF Test Report

Applicant	:	Emplus Technologies, Inc
Product Type	:	Dual Band AC1300 Access Point
Trade Name	:	emplus, EnGenius
Model Number	:	WAP551, ECW115
Test Specification	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Receive Date	:	Aug. 22, 2019
Test Period	:	Sep. 04 ~ Oct. 04, 2019
Issue Date	:	Oct. 09, 2019

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
Tel：+86-3-2710188 / Fax：+86-3-2710190

Testing Laboratory
1330

Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW0010

Note:

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

Revision History

Rev.	Issue Date	Revisions	Revised By
00	Oct. 09, 2019	Initial Issue	Tobey Cheng

Verification of Compliance

Issued Date: Oct. 09, 2019

Applicant	:	Emplus Technologies, Inc
Product Type	:	Dual Band AC1300 Access Point
Trade Name	:	emplus, EnGenius
Model Number	:	WAP551, ECW115
FCC ID	:	2AL6XWAP551
EUT Rated Voltage	:	DC 12 V, 1 A (DC Jack in) DC 54 V, 0.6 A (PoE In) DC 50 V, 0.275 mA (PoE Out)
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. No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C.) Tel：+86-3-2710188 / Fax：+86-3-2710190 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 : Jet Lu

(Manager) (Jet Lu)

TABLE OF CONTENTS

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	Intentional Radiators
CFR47, Part 15, Subpart E	Unlicensed National Information Infrastructure Devices
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB789033: D02	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
KDB 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)

1.2. Measurement Uncertainty

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

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

2 EUT Description

Applicant	Emplus Technologies, Inc Bld B, 10F, No.209 Nangang Rd., Taipei City, Taiwan				
Manufacturer	Emplus Technologies, Inc 10F., Building B, No.209, Sec. 1, Nangang Rd., Nangang Dist., Taipei City 115, Taiwan (R.O.C.)				
Product Type	Dual Band AC1300 Access Point				
Trade Name	emplus, EnGenius				
Model Number	WAP551, ECW115				
Difference description of trade name/model number	Differences are due to selling region. * WAP551 for emplus apply, ECW115 for EnGenius apply.				
FCC ID	2AL6XWAP551				
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels	
	IEEE 802.11a	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band I	5190 – 5230	2	
		U-NII Band III	5755 – 5795	2	
	IEEE 802.11ac 80 MHz	U-NII Band I	5210	1	
		U-NII Band III	5775	1	
Modulation Type	OFDM				
Equipment Type	Master				
Antenna information	Antenna	Model	Type	Max. Gain (dBi)	
	ANT-0	5718A0435300	Metal PCB Antenna	U-NII Band I	4.52
				U-NII Band III	4.56
	ANT-1	5718A0434300	Metal PCB Antenna	U-NII Band I	4.89
				U-NII Band III	4.37
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ 40 ℃				

Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.206
	U-NII Band III	0.178
IEEE 802.11ac 20 MHz	U-NII Band I	0.214
	U-NII Band III	0.173
IEEE 802.11ac 40 MHz	U-NII Band I	0.205
	U-NII Band III	0.186
IEEE 802.11ac 80 MHz	U-NII Band I	0.108
	U-NII Band III	0.149

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.102
	U-NII Band III	0.083
IEEE 802.11ac 40 MHz	U-NII Band I	0.099
	U-NII Band III	0.086
IEEE 802.11ac 80 MHz	U-NII Band I	0.053
	U-NII Band III	0.073

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

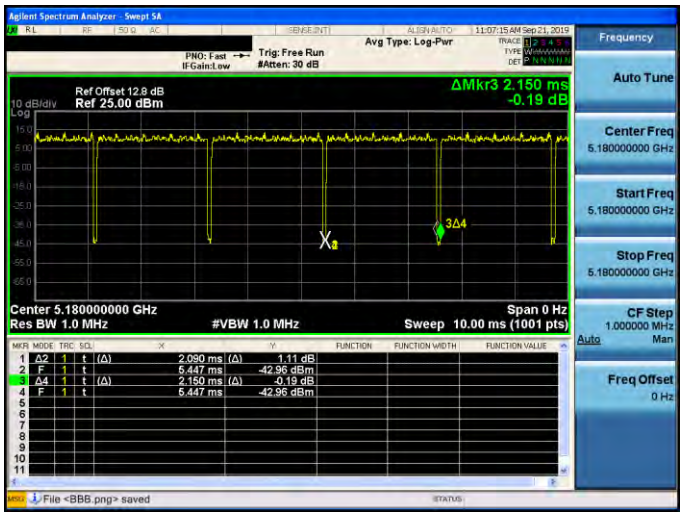
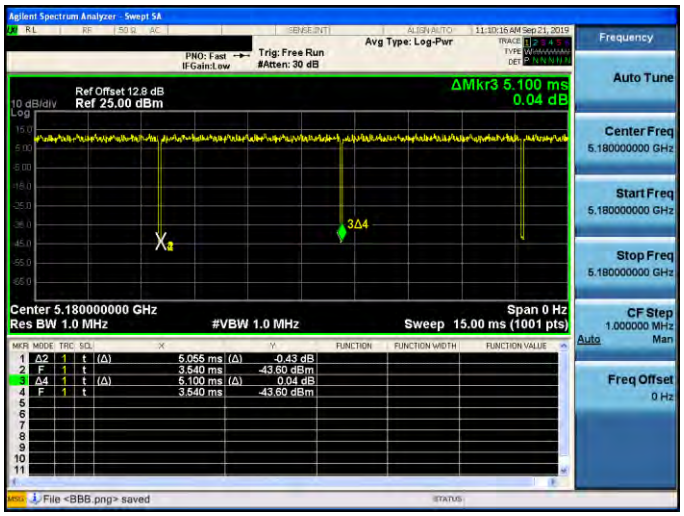
Duty cycle

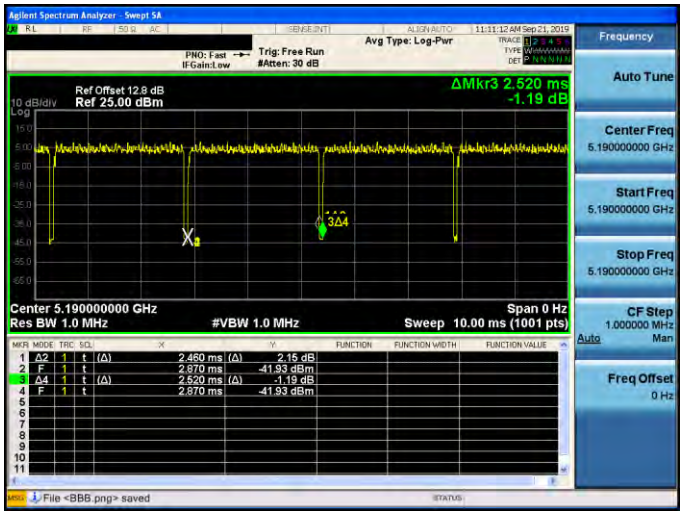
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	2.090	2.150	0.972	0.123	0.478
Mode 3	5180.0	5.055	5.100	0.991	0.038	0.010
Mode 4	5190.0	2.460	2.520	0.976	0.105	0.407
Mode 5	5210.0	1.160	1.225	0.947	0.237	0.862

Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 3	5180.0	5.055	5.100	0.991	0.038	0.010
Mode 4	5190.0	2.460	2.520	0.976	0.105	0.407
Mode 5	5210.0	1.160	1.225	0.947	0.237	0.862

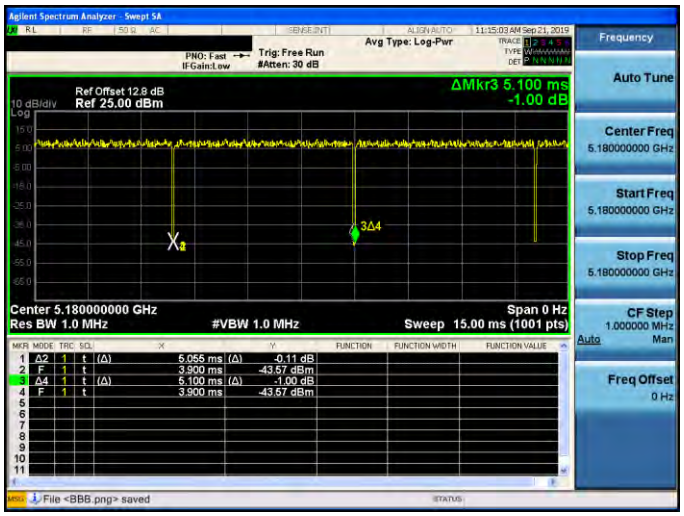
Duty Cycle Graphs

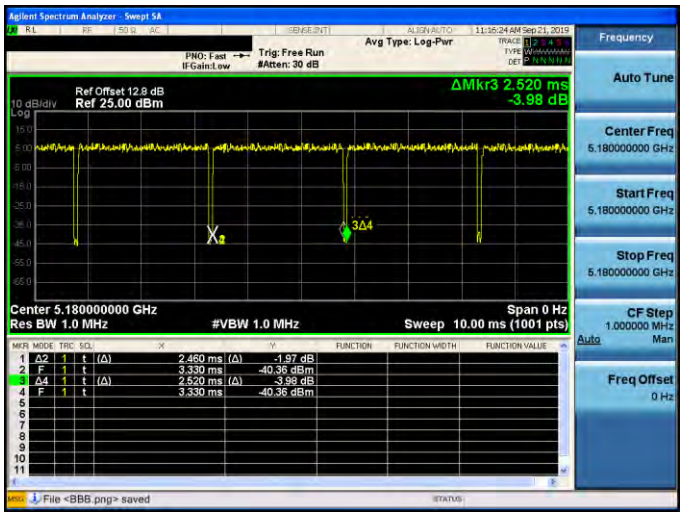
Mode 2: IEEE 802.11a Continuous TX mode

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode


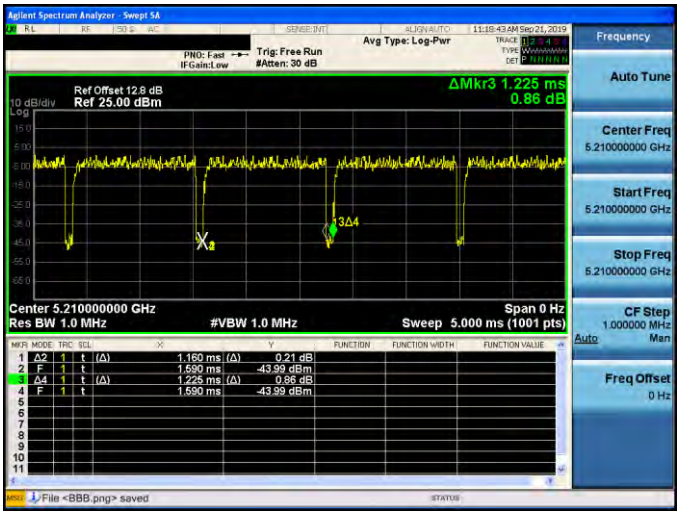
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode


Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode


Beamforming on

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


3.2. EUT Test Step

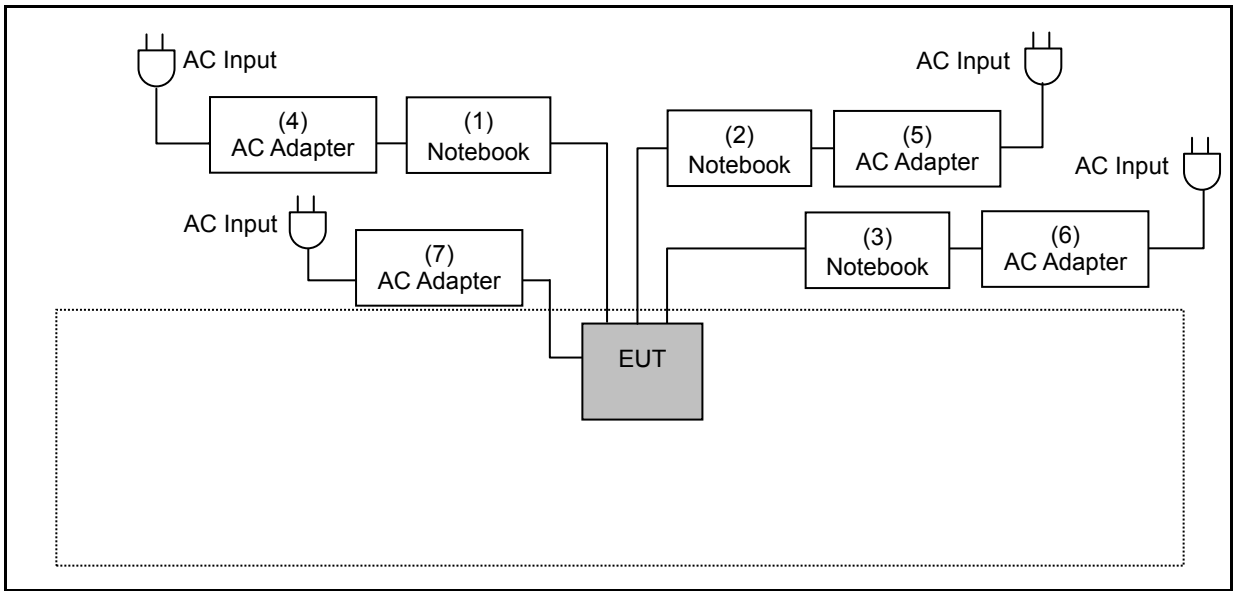
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

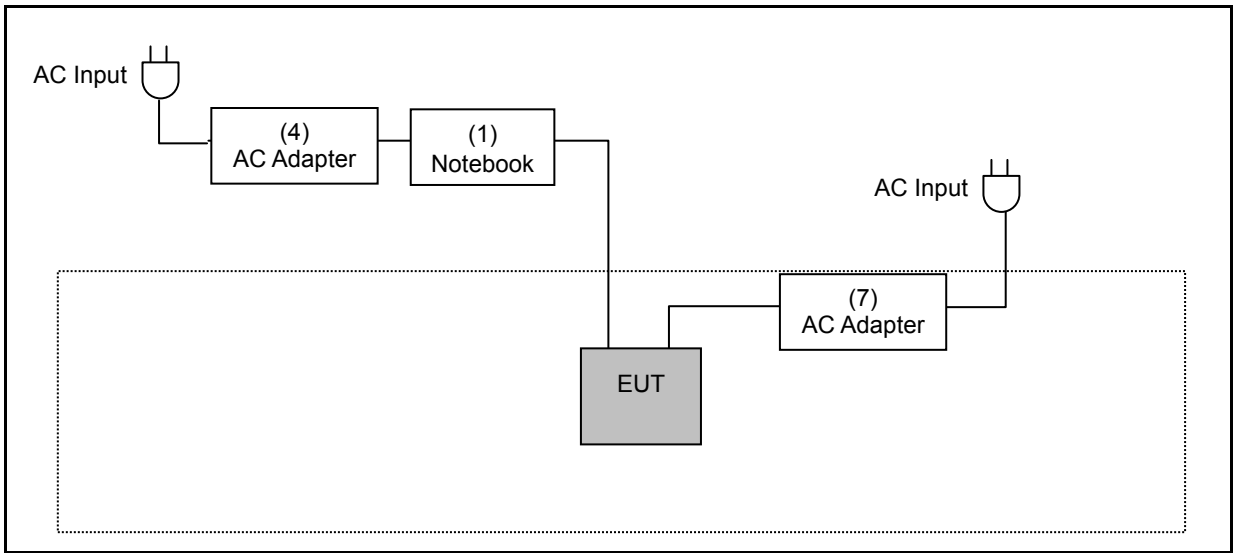
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Remark
(1)	Notebook	DELL	LATITUDE E5440	BRTQXY1	---
(2)	Notebook	DELL	LATITUDE E6440	5HZBD72	---
(3)	Notebook	DELL	LATITUDE E6440	48GBD72	---
(4)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(5)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(6)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m
(7)	AC Adapter	Powertron Electronics Corp.	PS1012-120HUB100	---	I/P: 100-240 VAC, 50-60 Hz, 0.4 A O/P: 12 VDC, 1.25 A
(8)	PoE Adapter	emplus	EPA5006GP	---	I/P: 100-240 VAC, 50-60 Hz, 0.8 A O/P: 54 VDC, 0.6 A

Note：The device used two models of adapter, adapter number: PS1012-120HUB100 is worst case to perform testing.

3.4. Test Instruments

For Conducted Emission
Test Period: Oct. 04, 2019
Testing Engineer: Louis Shen

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/23/2019	1 year
LISN	R&S	ENV216	101040	04/03/2019	1 year
LISN	R&S	ENV216	101041	03/28/2019	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/23/2019	1 year

For Radiated Emissions
Test Period: Sep. 04 ~ Sep. 06, 2019
Testing Engineer: Ricky Liu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/14/2019	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/16/2018	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/14/2019	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/19/2018	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
Broadband Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/29/2019	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2019	1 year
Microwave Cable	EMCI	EMC104-SM-SM -13000	170814	10/30/2018	1 year
Microwave Cable	EMCI	EMC102-KM-KM -14000	151001	02/20/2019	1 year

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

For Conducted
Test Period: Sep. 19 ~ Sep. 21, 2019
Testing Engineer: Negi Chiu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9030A	MY53120541	01/22/2019	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	23-26
Humidity (%RH)	25-75	55-60
Barometric pressure (mbar)	860-1060	990

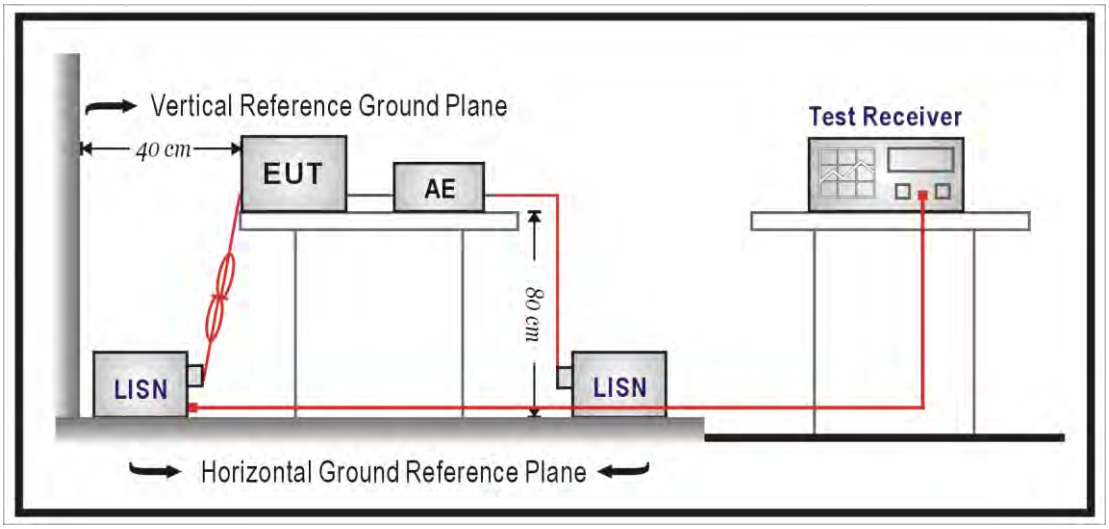
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ **Limit**

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

■ **Test Setup**



■ **Test Procedure**

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

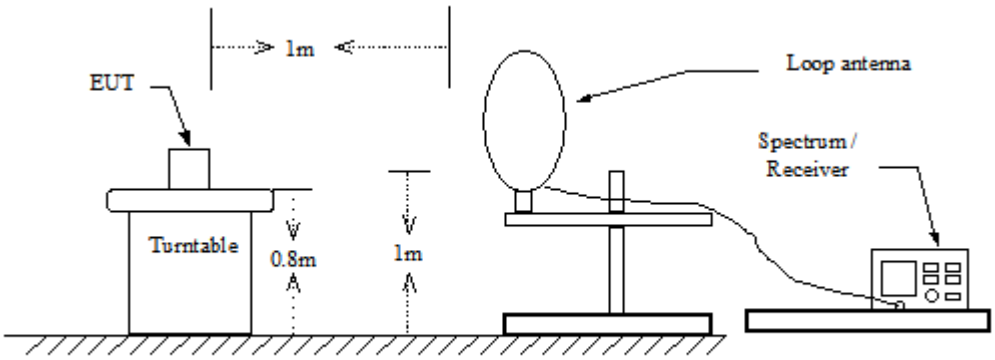
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

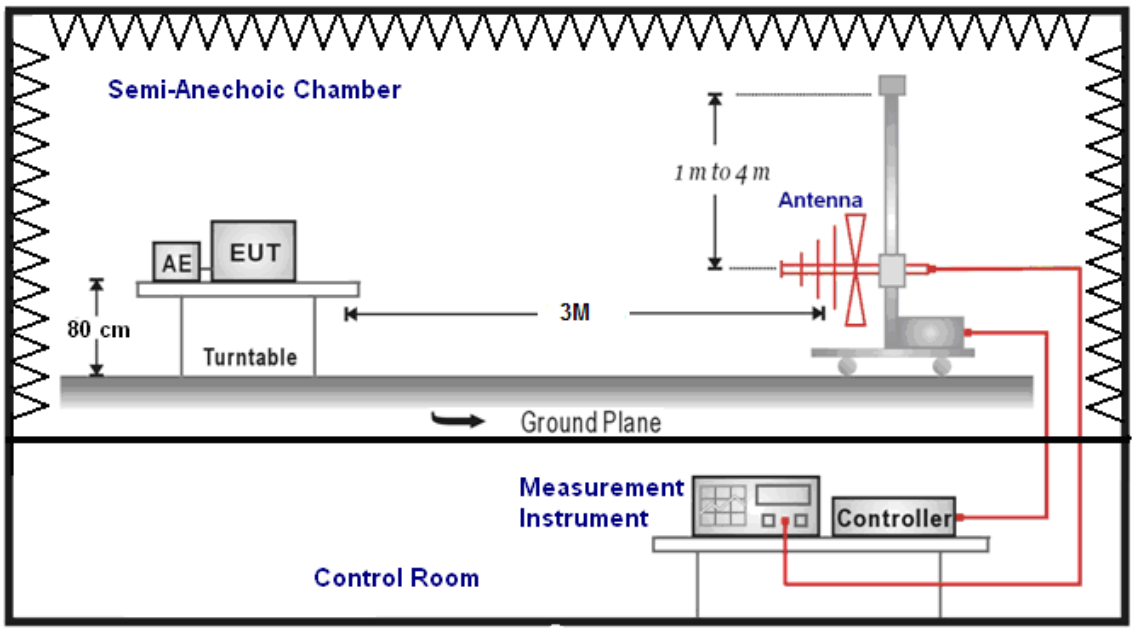
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed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

■ **Setup**

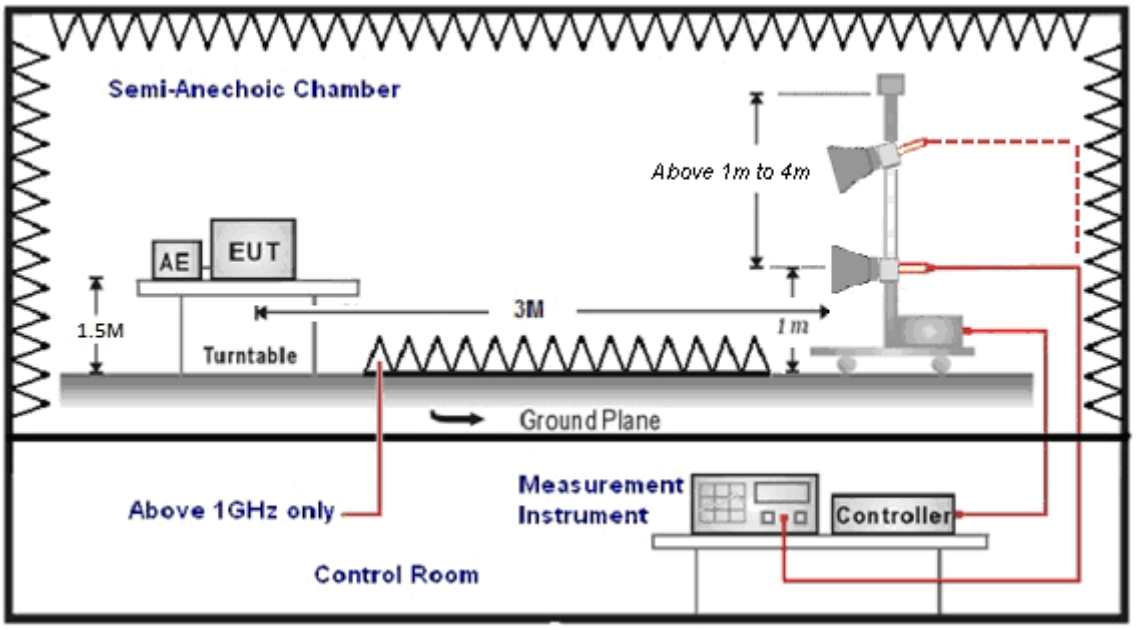
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz


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

■ **Test Procedure**

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height(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 tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antnna 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 pre meter (uV/m).

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

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

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

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

Measuring Instruments and setting

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

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

4.3. Maximum Conducted Output Power Measurement

■ **Limit**

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

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

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

CDD mode:

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.71 dBi < 6dBi (5.150 ~ 5.250 GHz)

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.47 dBi < 6dBi (5.725 ~ 5.850 GHz)

MIMO or BF mode:

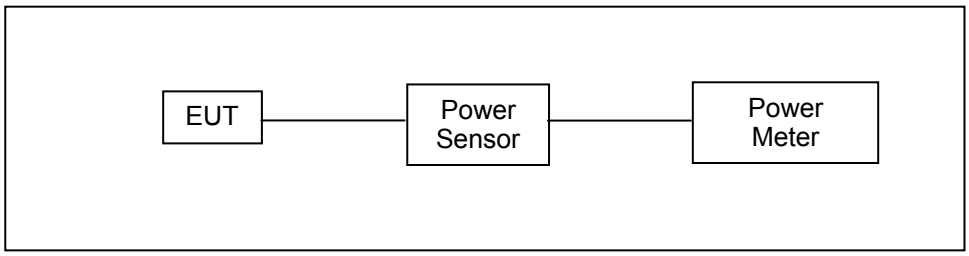
Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 7.72 dBi > 6 dBi

＊ power limit shall be reduced = 30 - 1.72 = 28.28 dBm (5.150 ~ 5.250 GHz)

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 7.48 dBi > 6 dBi

＊ power limit shall be reduced = 30 - 1.48 = 28.52 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)

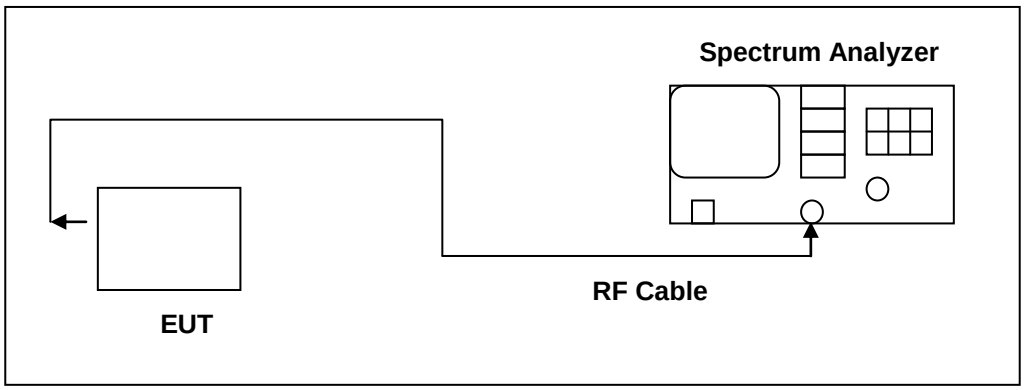
b) Method PM-G (Measurement using a gated RF average power meter)

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

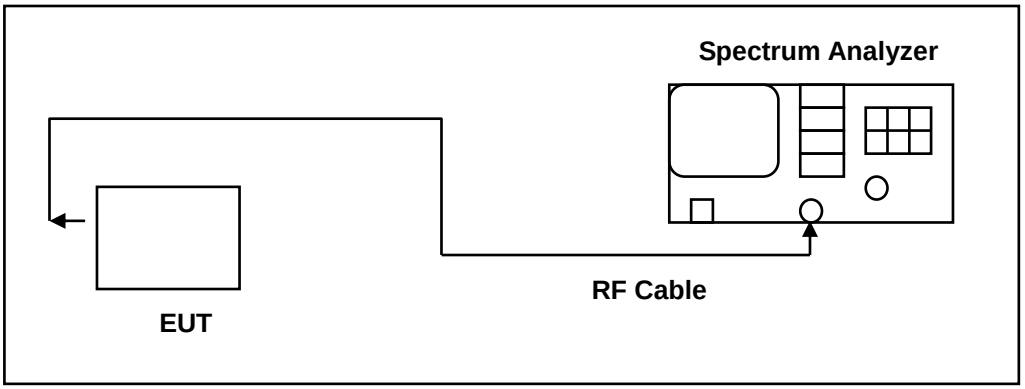
4.5. 6 dB RF Bandwidth Measurement

■ **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**

Conducted power spectral density

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,

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

CDD/MIMO/BF mode:

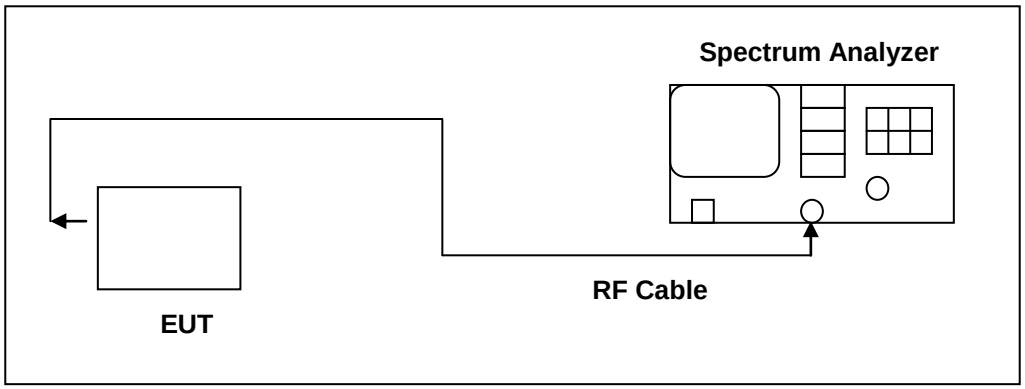
Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 7.72 dBi > 6 dBi

∗ Conducted Power Spectral Density Limit = 17 - 1.72 = 15.28 dBm/MHz (5.150 ~ 5.250 GHz)

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 7.48 dBi > 6 dBi

∗ Conducted Power Spectral Density Limit = 30 - 1.48 = 28.52 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 kHz/100 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	4.71
	U-NII Band III	4.47
IEEE 802.11ac 20 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 40 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 80 MHz	U-NII Band I	7.72
	U-NII Band III	7.48

For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 40 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 80 MHz	U-NII Band I	7.72
	U-NII Band III	7.48

Beamforming on

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 40 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 80 MHz	U-NII Band I	7.72
	U-NII Band III	7.48

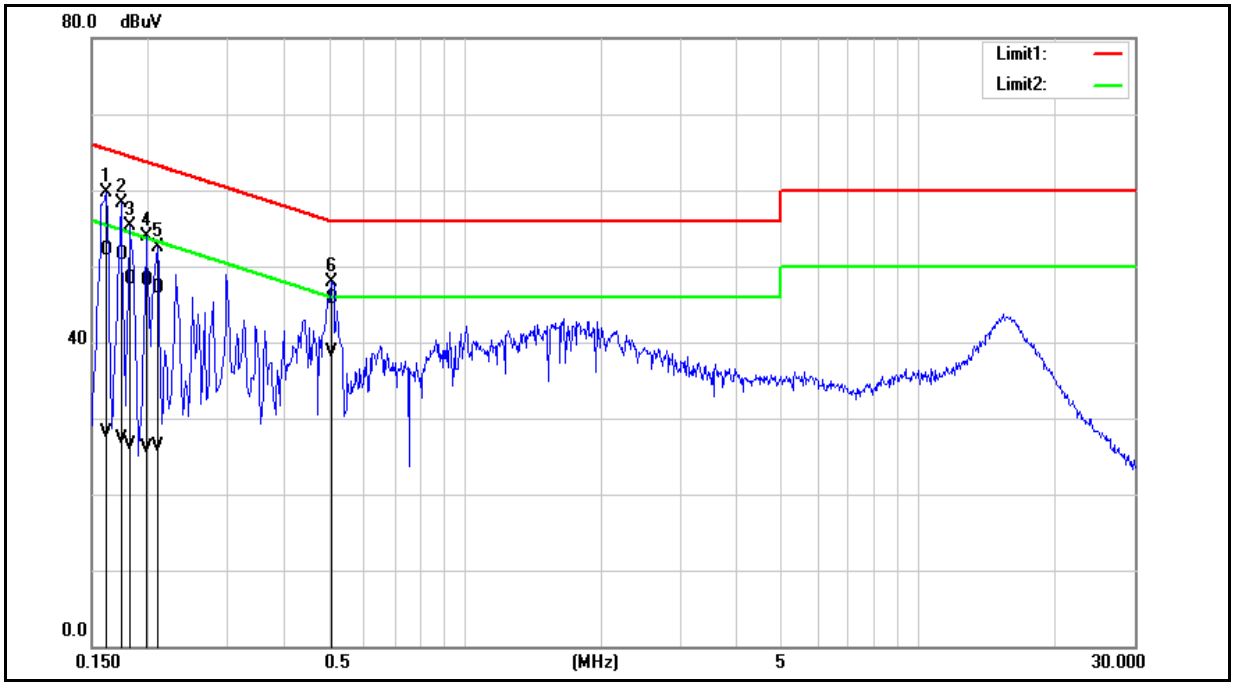
For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 20 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 40 MHz	U-NII Band I	7.72
	U-NII Band III	7.48
IEEE 802.11ac 80 MHz	U-NII Band I	7.72
	U-NII Band III	7.48

5 Test Results

Annex A. Conducted Emission

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

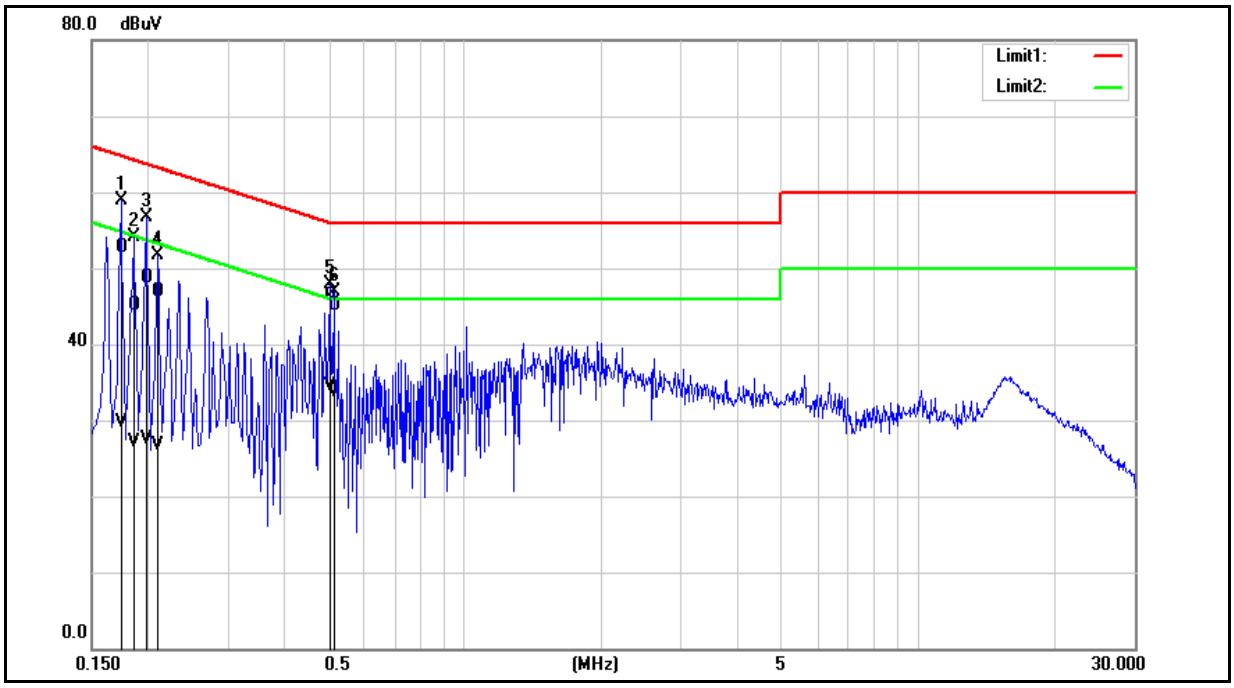


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	42.48	18.52	9.65	52.13	28.17	65.36	55.36	-13.23	-27.19	Pass
2	0.1740	41.86	17.59	9.65	51.51	27.24	64.77	54.77	-13.26	-27.53	Pass
3	0.1820	38.62	16.86	9.64	48.26	26.50	64.39	54.39	-16.13	-27.89	Pass
4	0.1980	38.38	16.54	9.64	48.02	26.18	63.69	53.69	-15.67	-27.51	Pass
5	0.2100	37.52	16.58	9.64	47.16	26.22	63.21	53.21	-16.05	-26.99	Pass
6	0.5100	36.00	29.11	9.66	45.66	38.77	56.00	46.00	-10.34	-7.23	Pass

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

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1740	43.10	19.93	9.68	52.78	29.61	64.77	54.77	-11.99	-25.16	Pass
2	0.1860	35.38	17.34	9.67	45.05	27.01	64.21	54.21	-19.16	-27.20	Pass
3	0.1980	39.06	17.81	9.67	48.73	27.48	63.69	53.69	-14.96	-26.21	Pass
4	0.2100	37.31	17.09	9.67	46.98	26.76	63.21	53.21	-16.23	-26.45	Pass
5	0.5020	36.58	24.73	9.69	46.27	34.42	56.00	46.00	-9.73	-11.58	Pass
6	0.5140	35.47	23.94	9.69	45.16	33.63	56.00	46.00	-10.84	-12.37	Pass

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

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

Annex B. Radiated Emission Measurement

Harmonic

Below 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Test Mode:	Mode 2		

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
36.7900	42.78	-7.35	35.43	40.00	-4.57	QP	H
71.7100	41.32	-9.07	32.25	40.00	-7.75	QP	H
114.3900	44.42	-9.00	35.42	43.50	-8.08	QP	H
166.7700	43.05	-5.96	37.09	43.50	-6.41	QP	H
232.7300	45.40	-7.02	38.38	46.00	-7.62	QP	H
482.0200	37.68	-0.55	37.13	46.00	-8.87	QP	H
31.9400	42.90	-7.83	35.07	40.00	-4.93	QP	V
116.3300	44.17	-8.83	35.34	43.50	-8.16	QP	V
140.5800	43.46	-6.39	37.07	43.50	-6.43	QP	V
167.7400	42.02	-5.99	36.03	43.50	-7.47	QP	V
231.7600	44.52	-7.11	37.41	46.00	-8.59	QP	V
482.0200	38.55	-0.55	38.00	46.00	-8.00	QP	V

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

Example: 35.43 = -7.35 + 42.78

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

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

Beamforming on

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

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
140.5800	40.57	-6.39	34.18	43.50	-9.32	QP	H
172.5900	45.15	-6.27	38.88	43.50	-4.62	QP	H
189.0800	45.40	-7.77	37.63	43.50	-5.87	QP	H
218.1800	44.91	-7.56	37.35	46.00	-8.65	QP	H
302.5700	39.14	-4.00	35.14	46.00	-10.86	QP	H
333.6100	39.63	-3.48	36.15	46.00	-9.85	QP	H
36.7900	35.41	-7.35	28.06	40.00	-11.94	QP	V
149.3100	37.80	-5.90	31.90	43.50	-11.60	QP	V
169.6800	41.11	-6.03	35.08	43.50	-8.42	QP	V
190.0500	40.50	-7.86	32.64	43.50	-10.86	QP	V
224.9700	40.44	-7.39	33.05	46.00	-12.95	QP	V
288.0200	38.09	-4.48	33.61	46.00	-12.39	QP	V

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

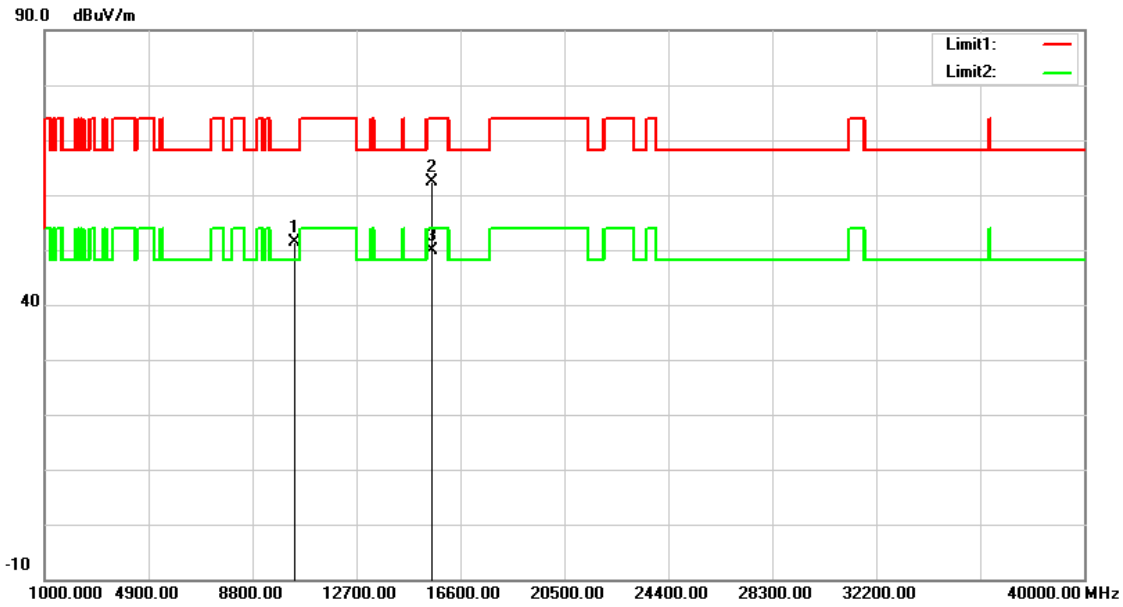
Example: 34.18 = -6.39 + 40.57

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

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

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	34.18	17.18	51.36	68.20	-16.84	peak
2	15540.000	41.71	20.68	62.39	74.00	-11.61	peak
3	15540.000	29.25	20.68	49.93	54.00	-4.07	AVG

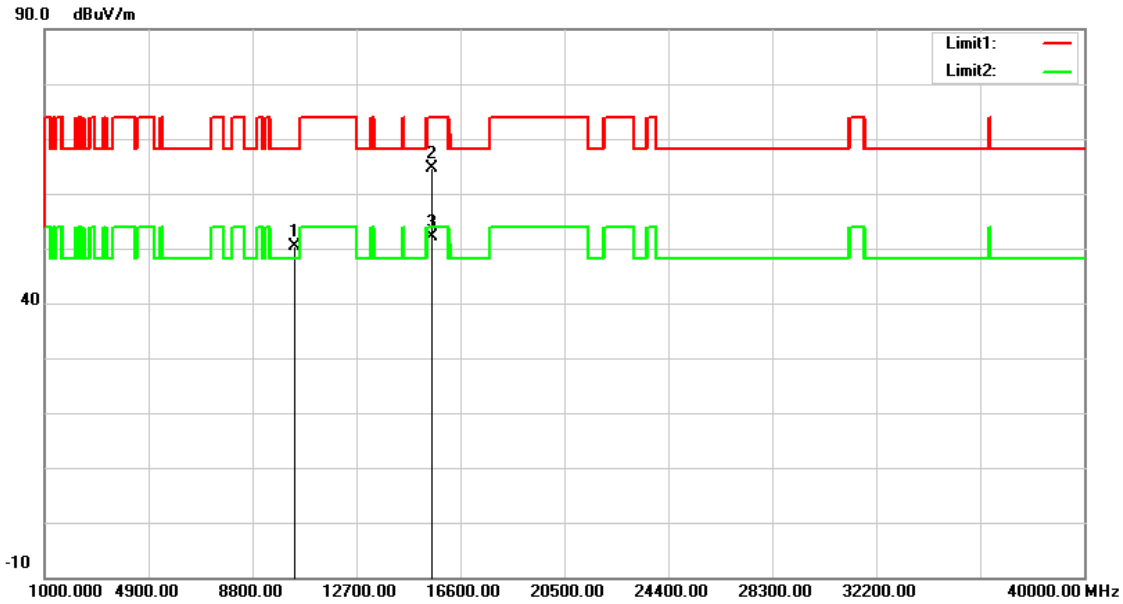
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 51.36 = 17.18 + 34.18

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.31	17.18	50.49	68.20	-17.71	peak
2	15540.000	43.87	20.68	64.55	74.00	-9.45	peak
3	15540.000	31.48	20.68	52.16	54.00	-1.84	AVG

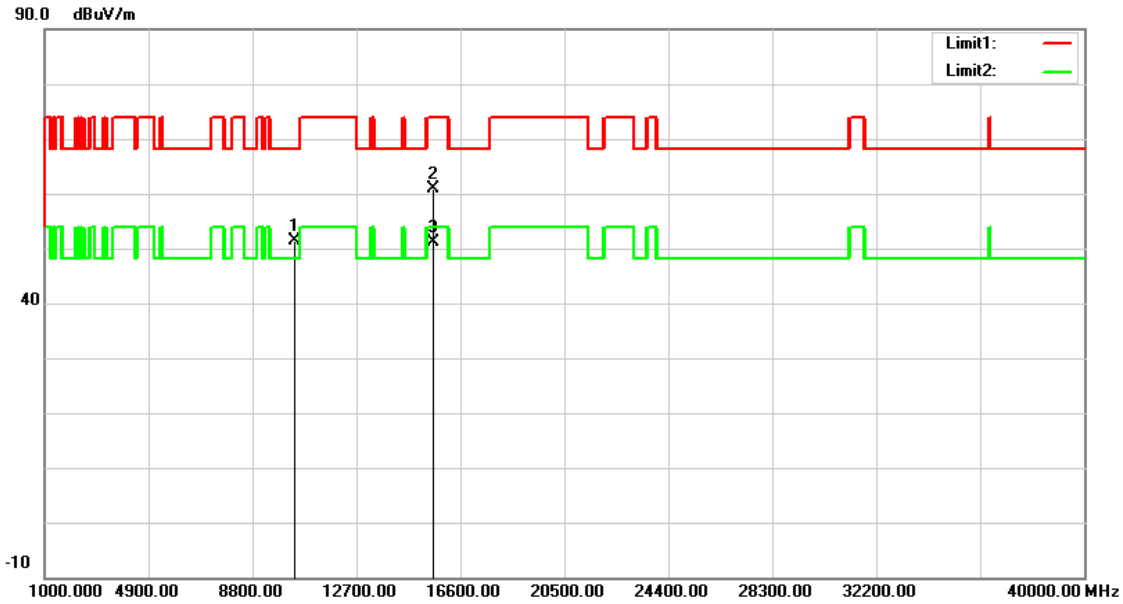
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.49 = 17.18 + 33.31

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



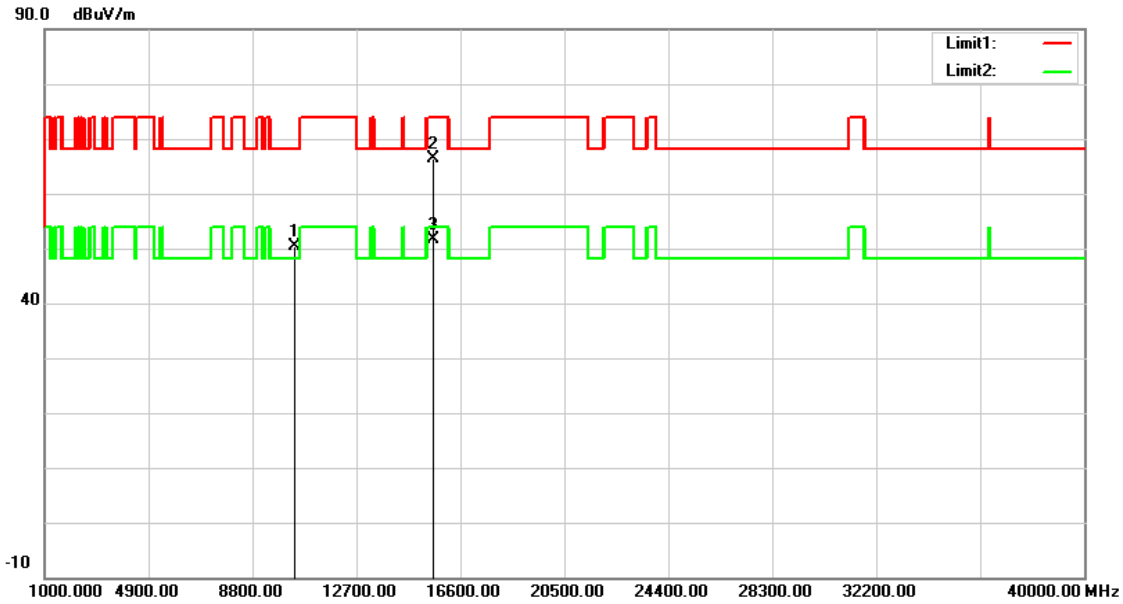
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	34.10	17.30	51.40	68.20	-16.80	peak
2	15600.000	40.26	20.52	60.78	74.00	-13.22	peak
3	15600.000	30.72	20.52	51.24	54.00	-2.76	AVG

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

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

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

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



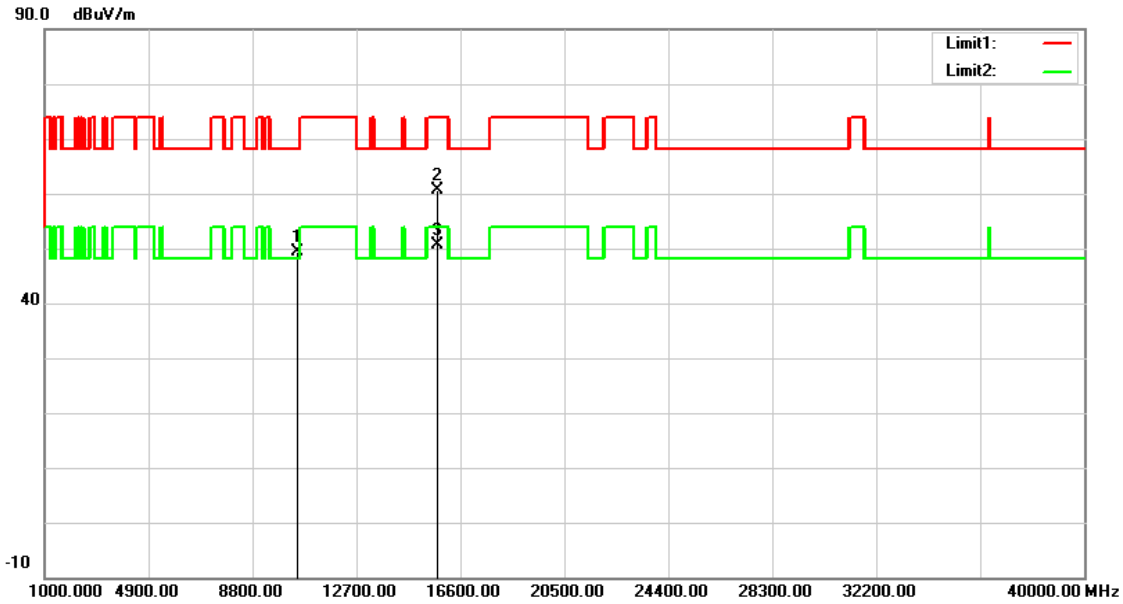
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	33.09	17.30	50.39	68.20	-17.81	peak
2	15600.000	45.82	20.52	66.34	74.00	-7.66	peak
3	15600.000	31.14	20.52	51.66	54.00	-2.34	AVG

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

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

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

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



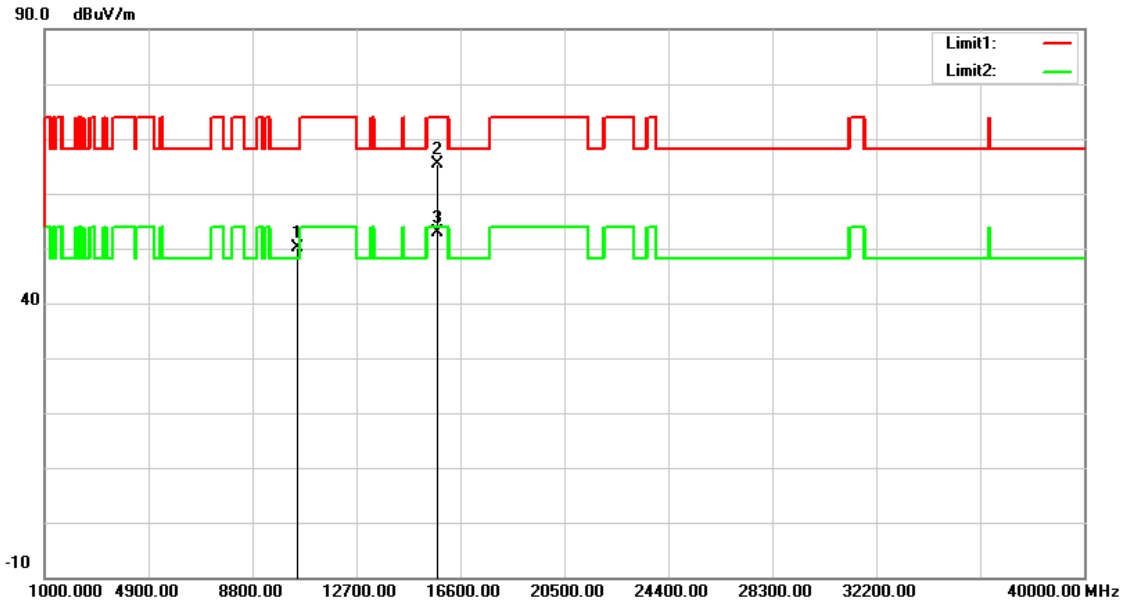
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.73	17.56	49.29	68.20	-18.91	peak
2	15720.000	40.51	20.21	60.72	74.00	-13.28	peak
3	15720.000	30.34	20.21	50.55	54.00	-3.45	AVG

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

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

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

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



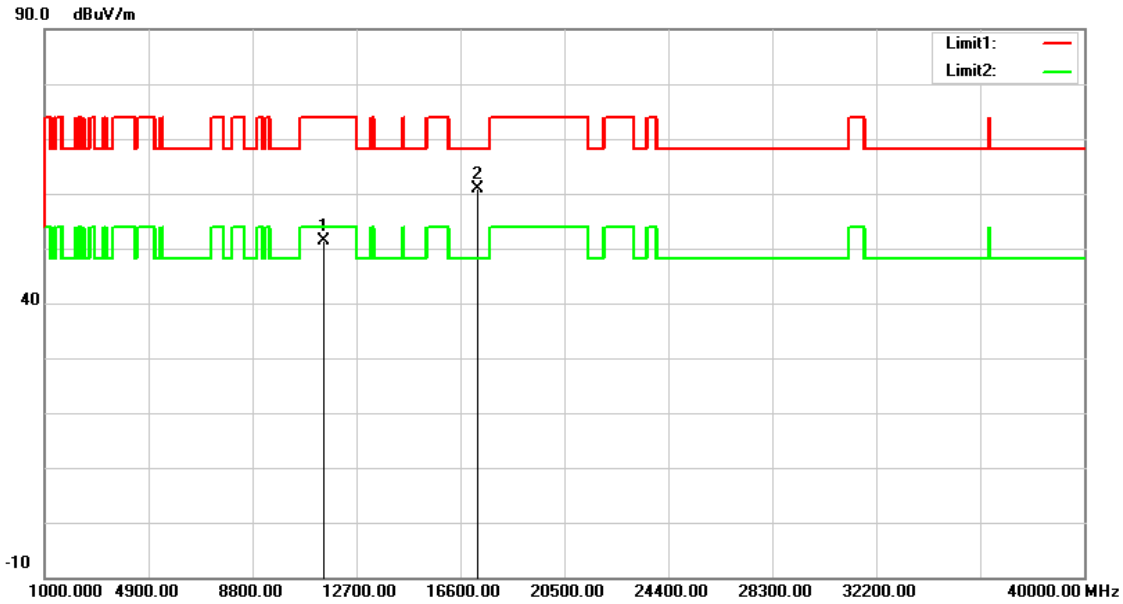
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.47	17.56	50.03	68.20	-18.17	peak
2	15720.000	45.27	20.21	65.48	74.00	-8.52	peak
3	15720.000	32.65	20.21	52.86	54.00	-1.14	AVG

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

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

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

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



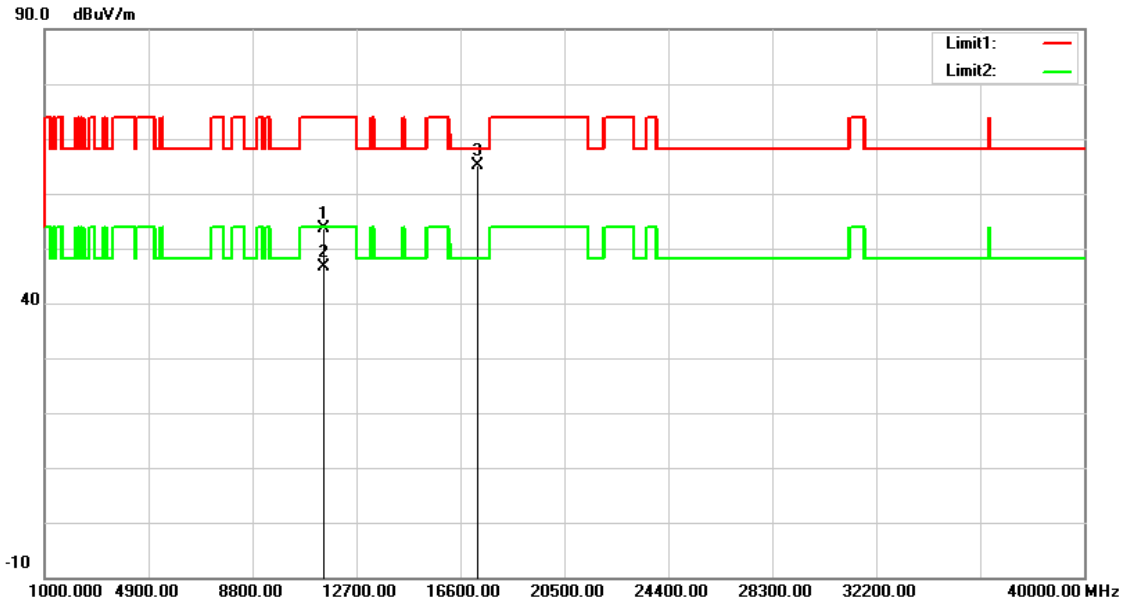
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.51	18.99	51.50	74.00	-22.50	peak
2	17235.000	36.17	24.77	60.94	68.20	-7.26	peak

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



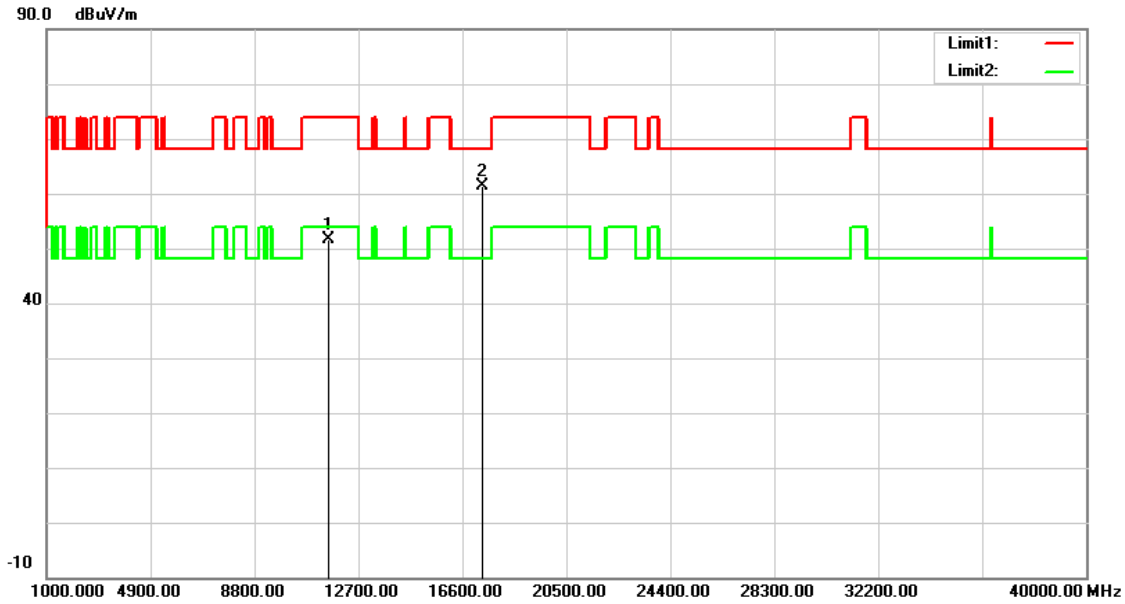
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	34.62	18.99	53.61	74.00	-20.39	peak
2	11490.000	27.56	18.99	46.55	54.00	-7.45	AVG
3	17235.000	40.25	24.77	65.02	68.20	-3.18	peak

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



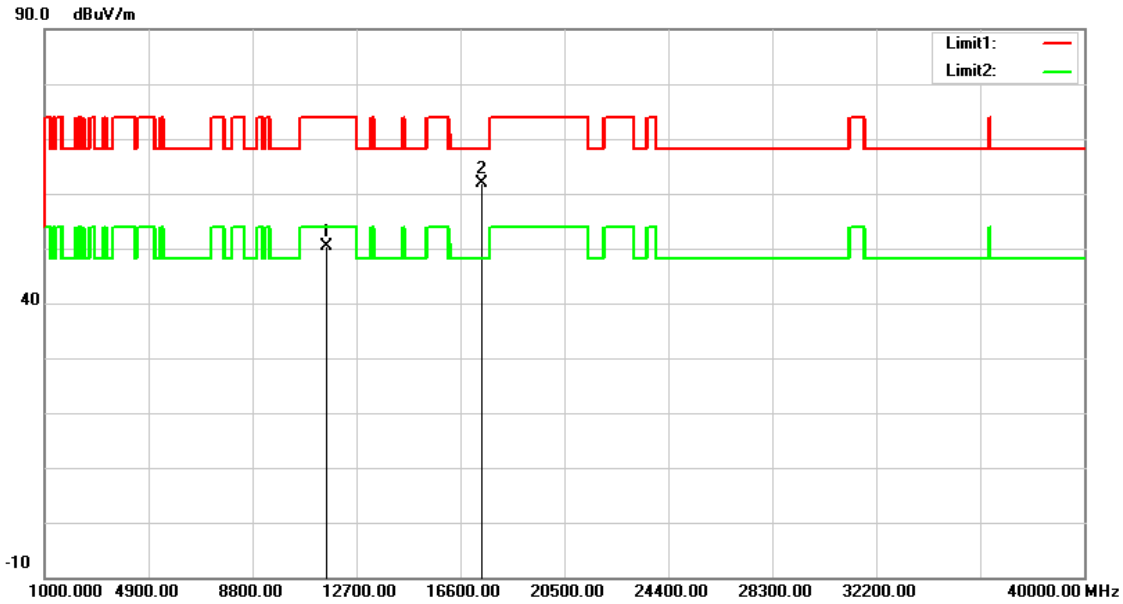
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.72	18.94	51.66	74.00	-22.34	peak
2	17355.000	36.23	25.18	61.41	68.20	-6.79	peak

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

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

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

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



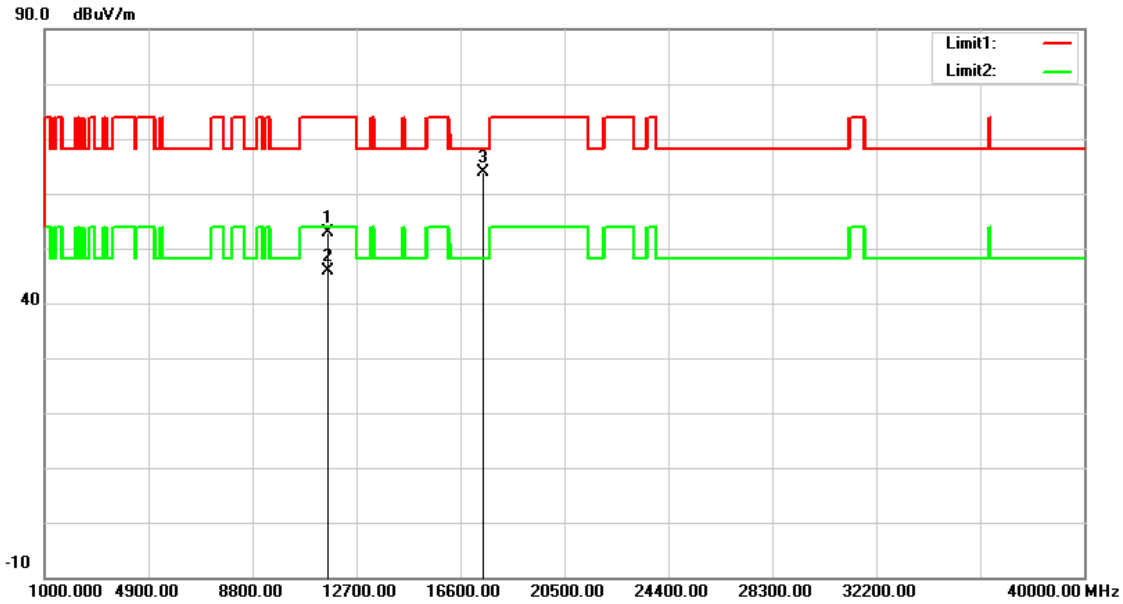
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.36	18.94	50.30	74.00	-23.70	peak
2	17355.000	36.77	25.18	61.95	68.20	-6.25	peak

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

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

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

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



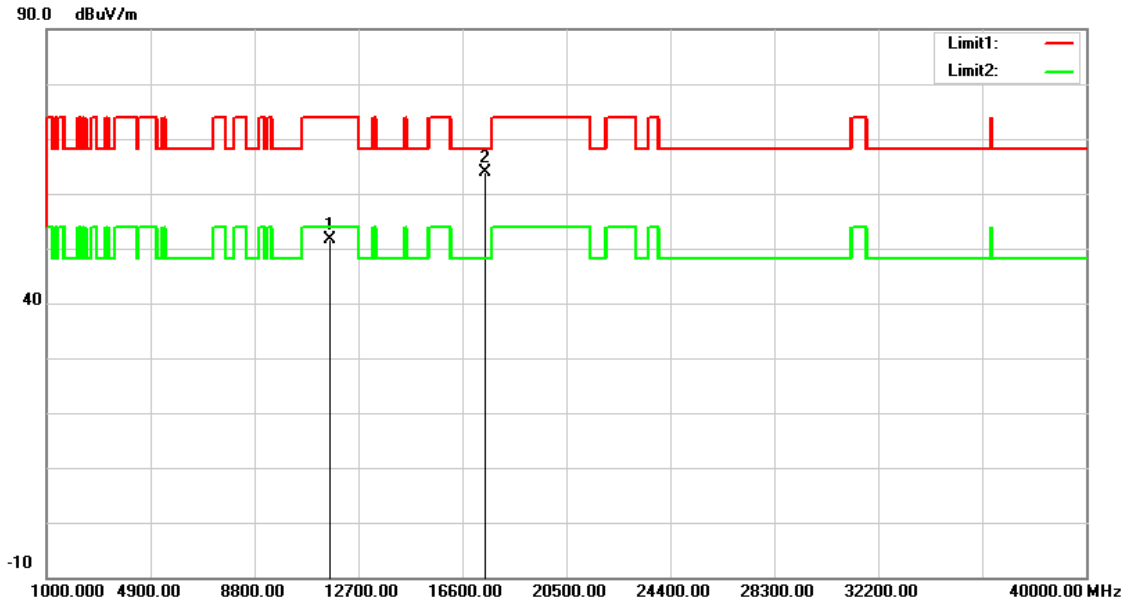
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	34.02	18.88	52.90	74.00	-21.10	peak
2	11650.000	27.10	18.88	45.98	54.00	-8.02	AVG
3	17475.000	38.20	25.57	63.77	68.20	-4.43	peak

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:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



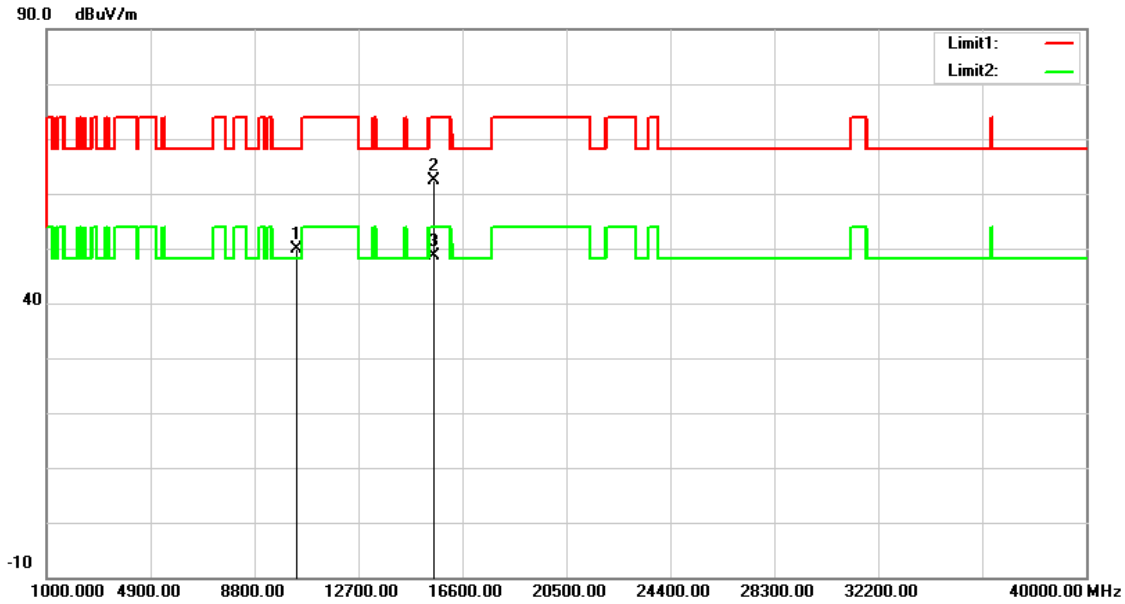
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.83	18.88	51.71	74.00	-22.29	peak
2	17475.000	38.24	25.57	63.81	68.20	-4.39	peak

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



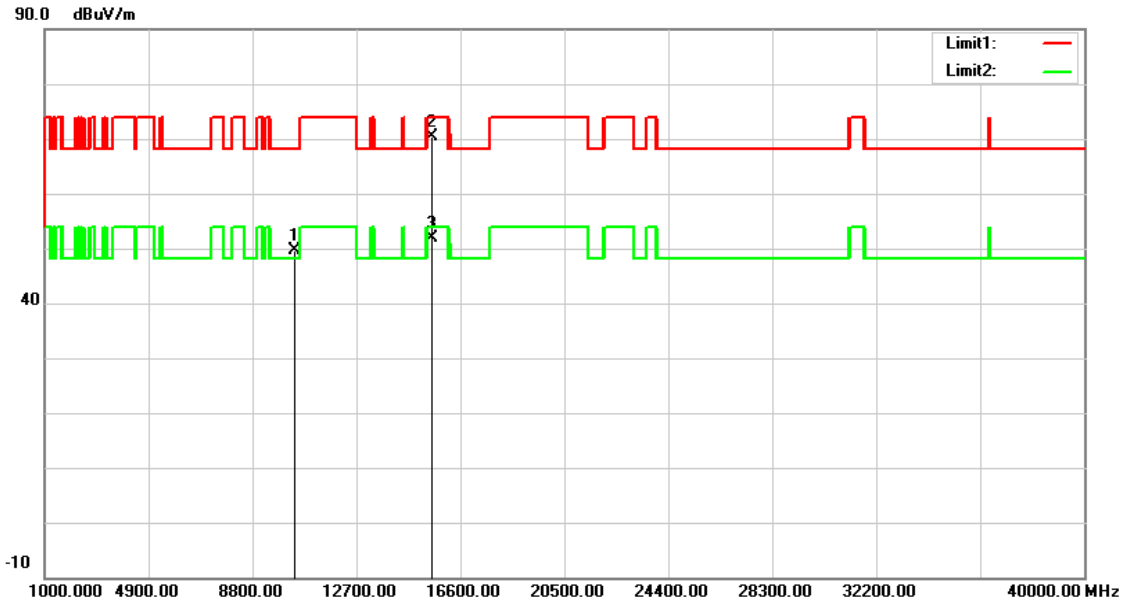
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.58	17.18	49.76	68.20	-18.44	peak
2	15540.000	41.64	20.68	62.32	74.00	-11.68	peak
3	15540.000	27.88	20.68	48.56	54.00	-5.44	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



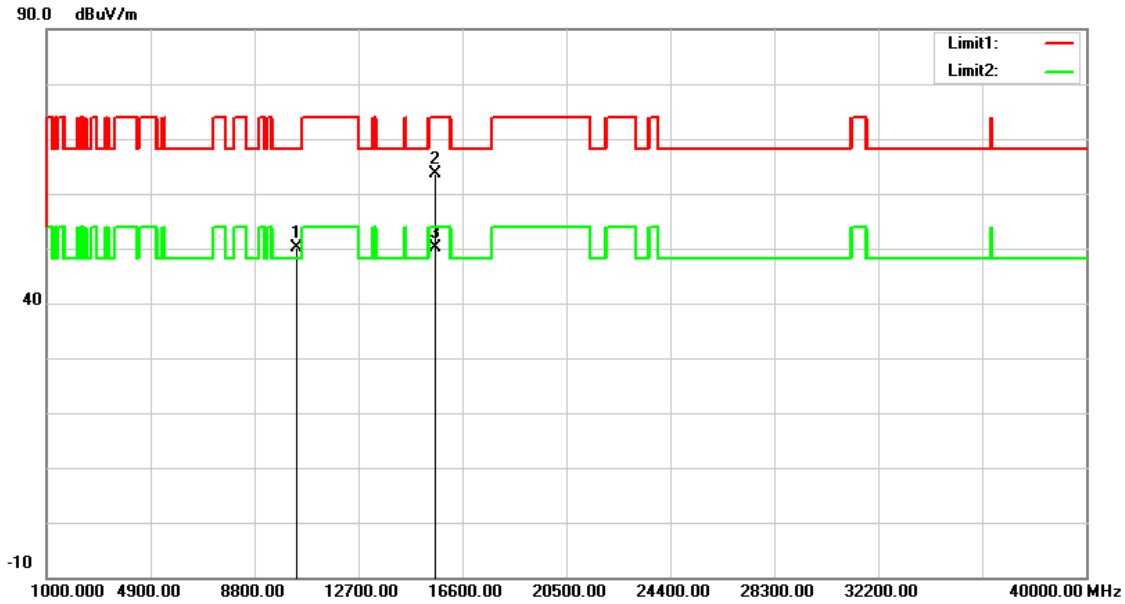
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.55	17.18	49.73	68.20	-18.47	peak
2	15540.000	49.58	20.68	70.26	74.00	-3.74	peak
3	15540.000	31.13	20.68	51.81	54.00	-2.19	AVG

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

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

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

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



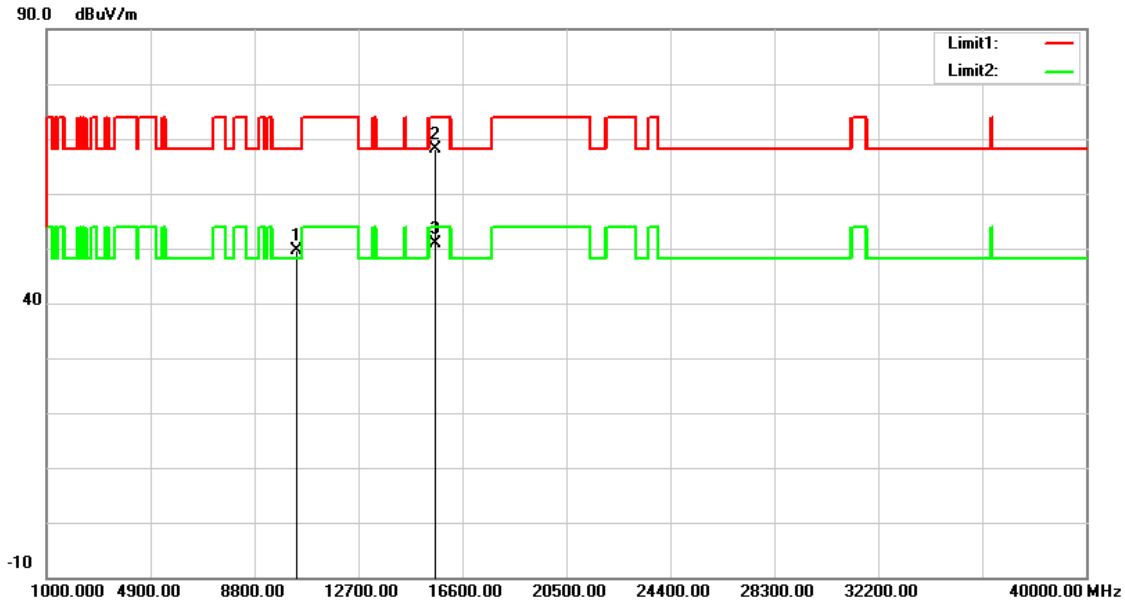
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.75	17.30	50.05	68.20	-18.15	peak
2	15600.000	43.19	20.52	63.71	74.00	-10.29	peak
3	15600.000	29.63	20.52	50.15	54.00	-3.85	AVG

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

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

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

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



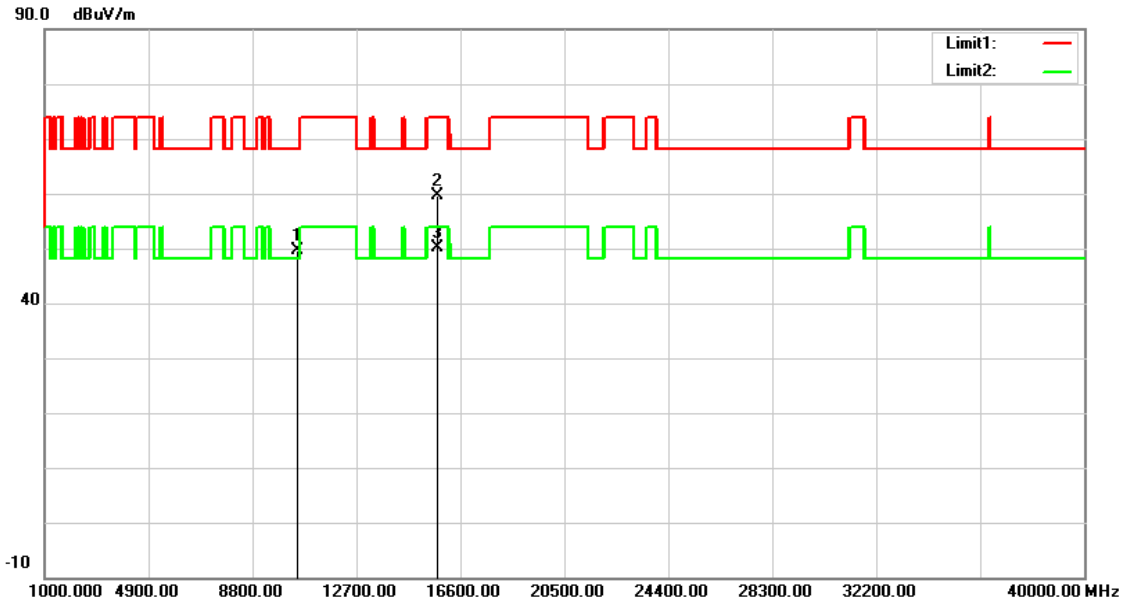
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.28	17.30	49.58	68.20	-18.62	peak
2	15600.000	47.49	20.52	68.01	74.00	-5.99	peak
3	15600.000	30.31	20.52	50.83	54.00	-3.17	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



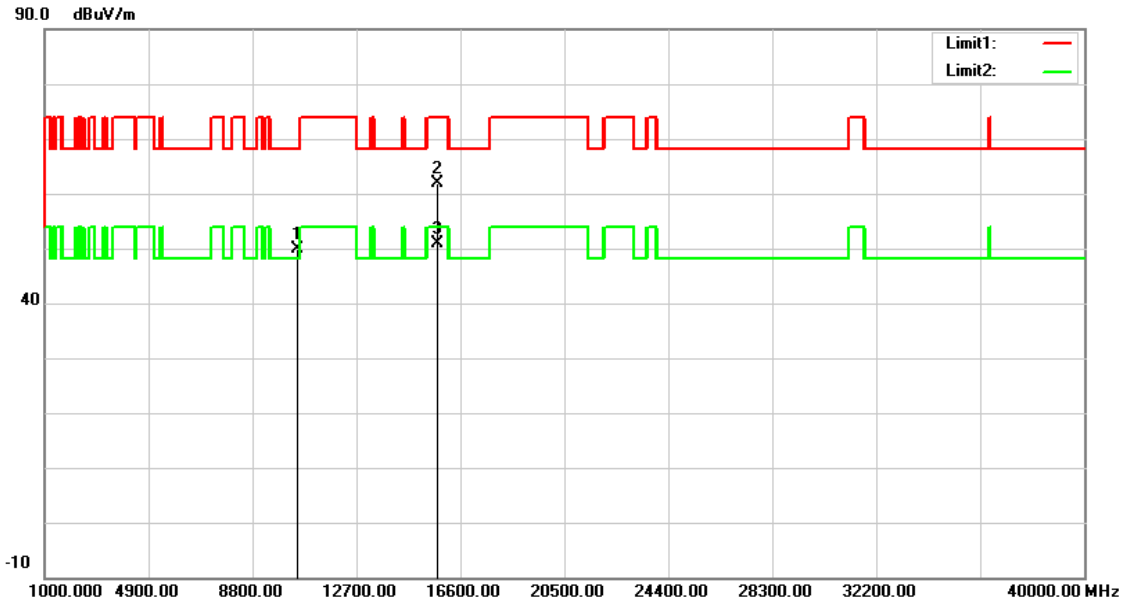
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.95	17.56	49.51	68.20	-18.69	peak
2	15720.000	39.47	20.21	59.68	74.00	-14.32	peak
3	15720.000	29.87	20.21	50.08	54.00	-3.92	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



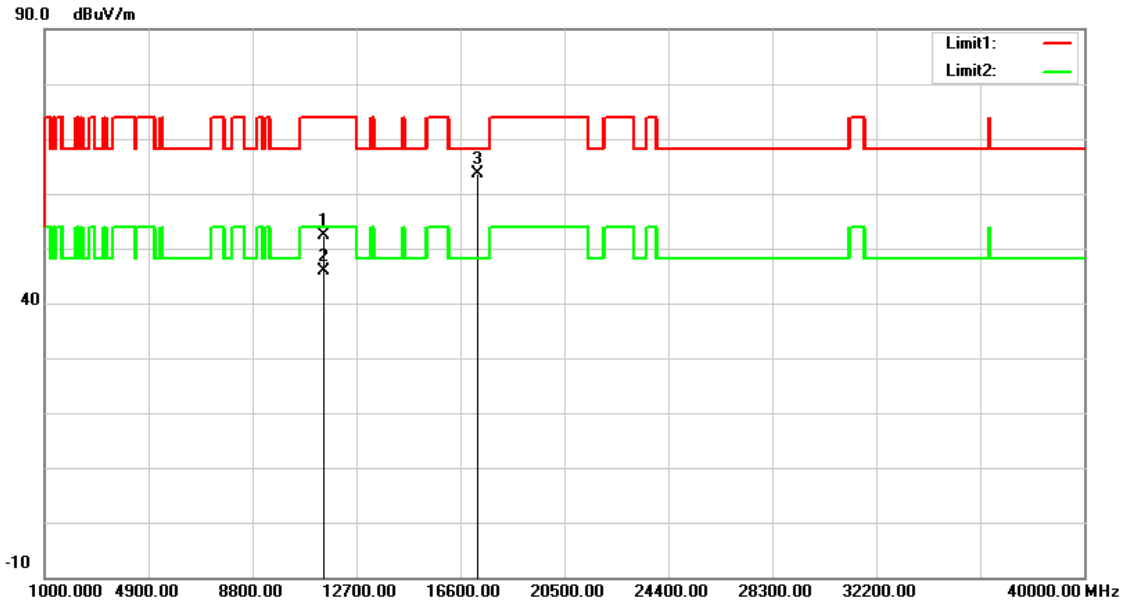
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.30	17.56	49.86	68.20	-18.34	peak
2	15720.000	41.70	20.21	61.91	74.00	-12.09	peak
3	15720.000	30.58	20.21	50.79	54.00	-3.21	AVG

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

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

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

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



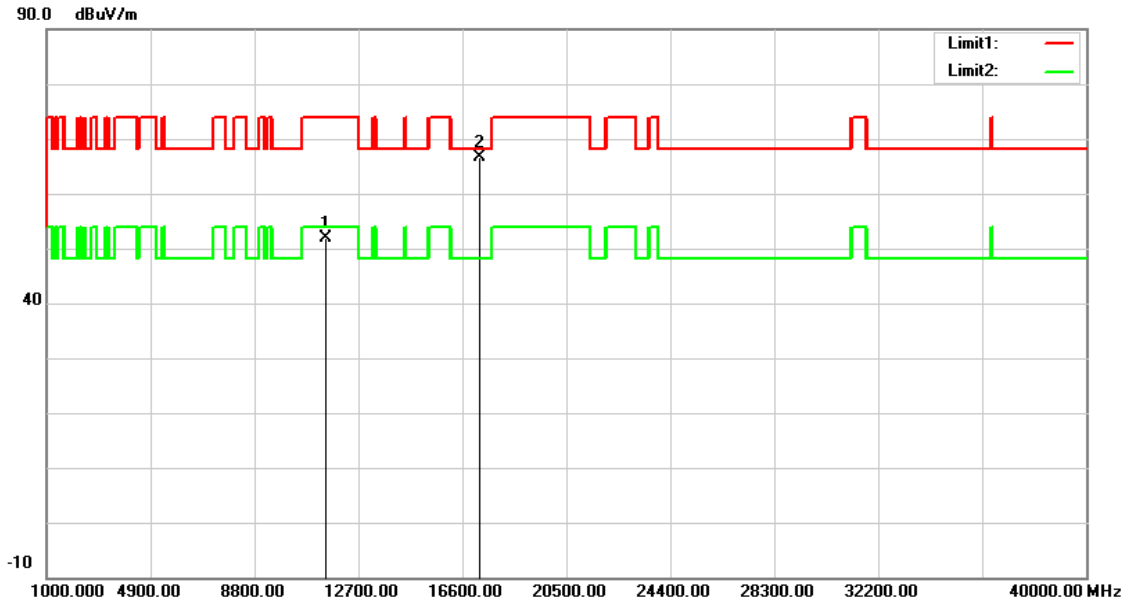
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.28	18.99	52.27	74.00	-21.73	peak
2	11490.000	26.90	18.99	45.89	54.00	-8.11	AVG
3	17235.000	38.86	24.77	63.63	68.20	-4.57	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



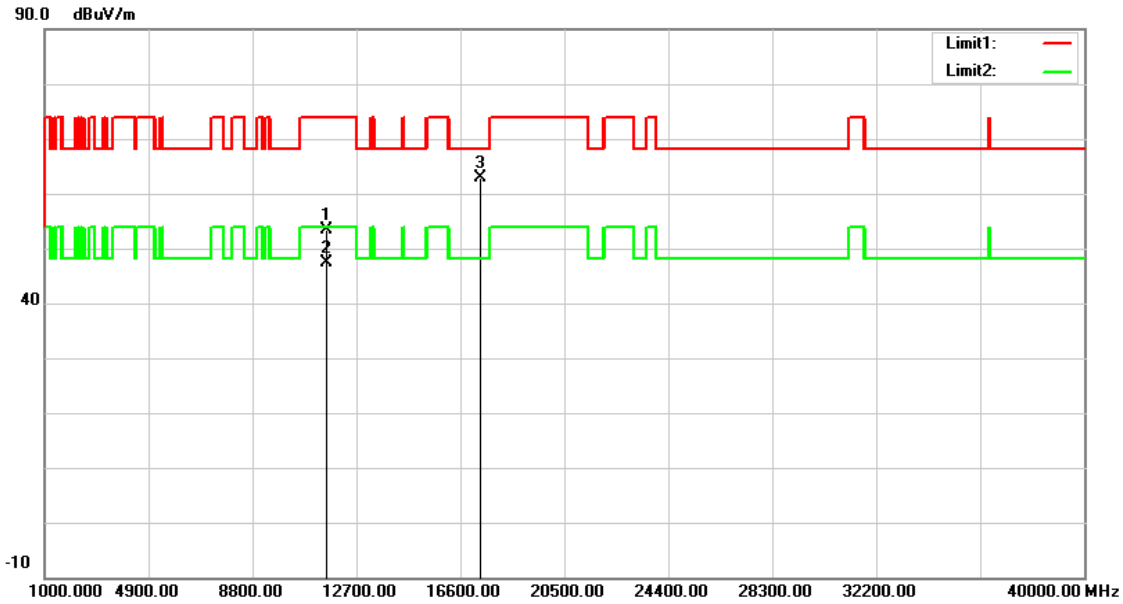
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.85	18.99	51.84	74.00	-22.16	peak
2	17235.000	41.98	24.77	66.75	68.20	-1.45	peak

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:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



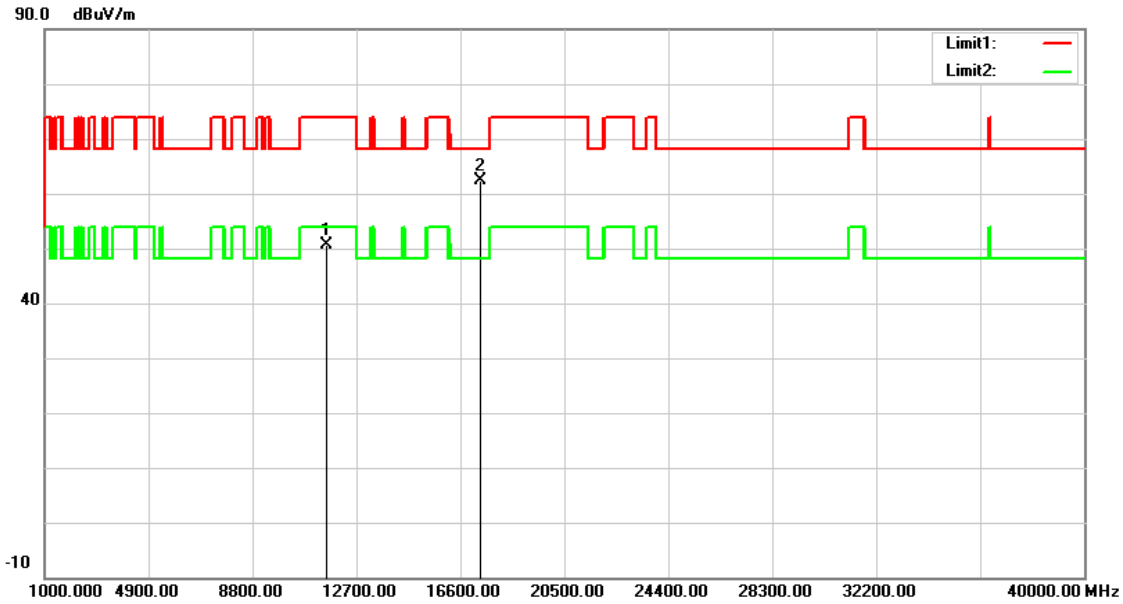
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	34.51	18.94	53.45	74.00	-20.55	peak
2	11570.000	28.39	18.94	47.33	54.00	-6.67	AVG
3	17355.000	37.63	25.18	62.81	68.20	-5.39	peak

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



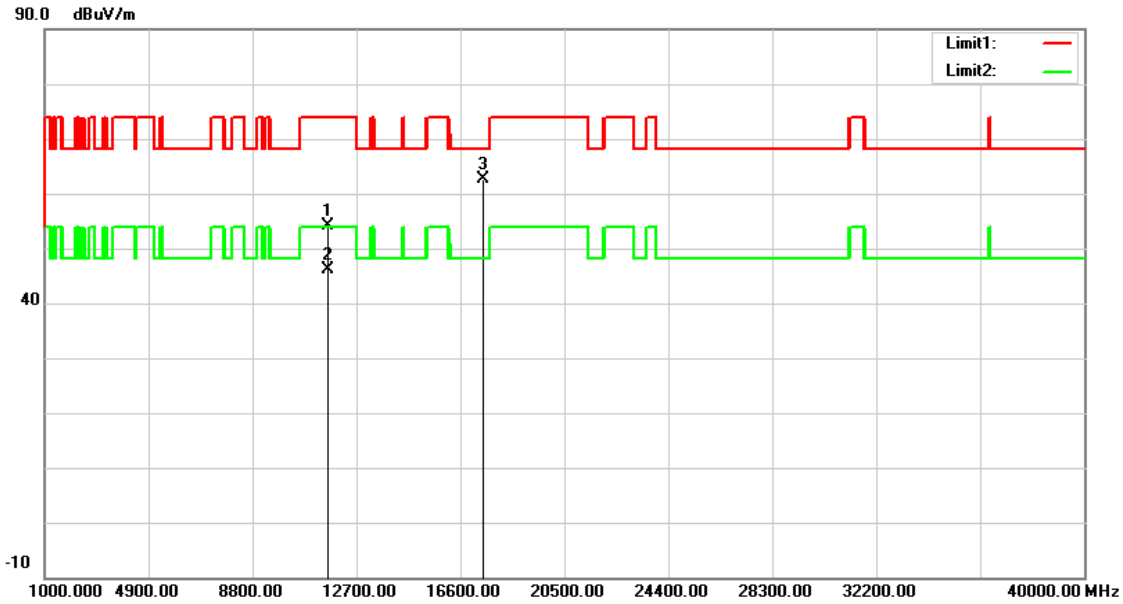
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.76	18.94	50.70	74.00	-23.30	peak
2	17355.000	37.24	25.18	62.42	68.20	-5.78	peak

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

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

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

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



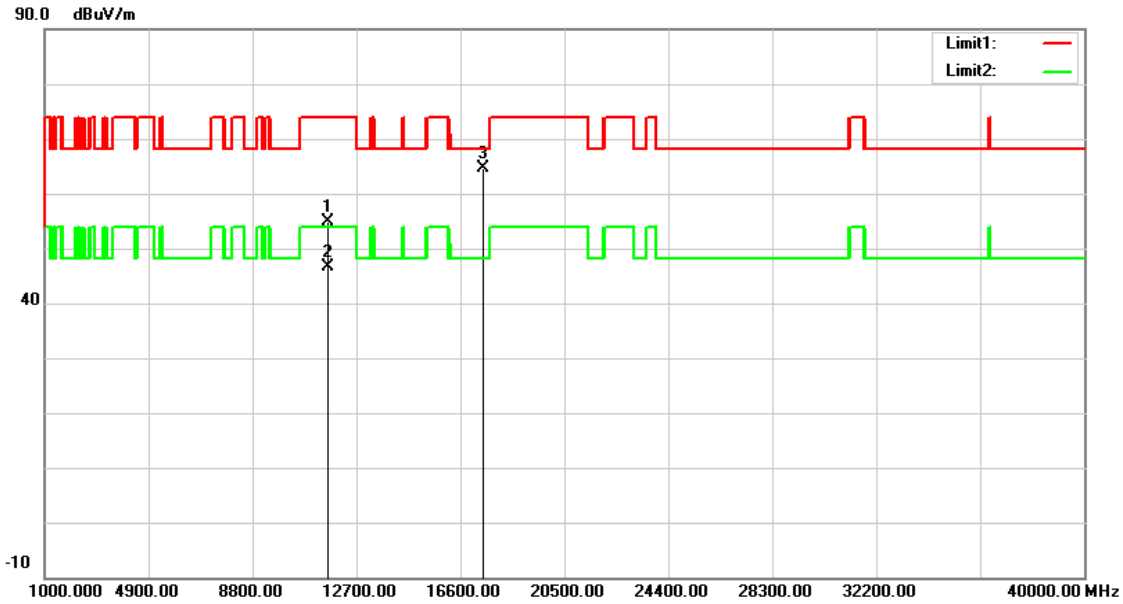
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	35.21	18.88	54.09	74.00	-19.91	peak
2	11650.000	27.31	18.88	46.19	54.00	-7.81	AVG
3	17475.000	37.18	25.57	62.75	68.20	-5.45	peak

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



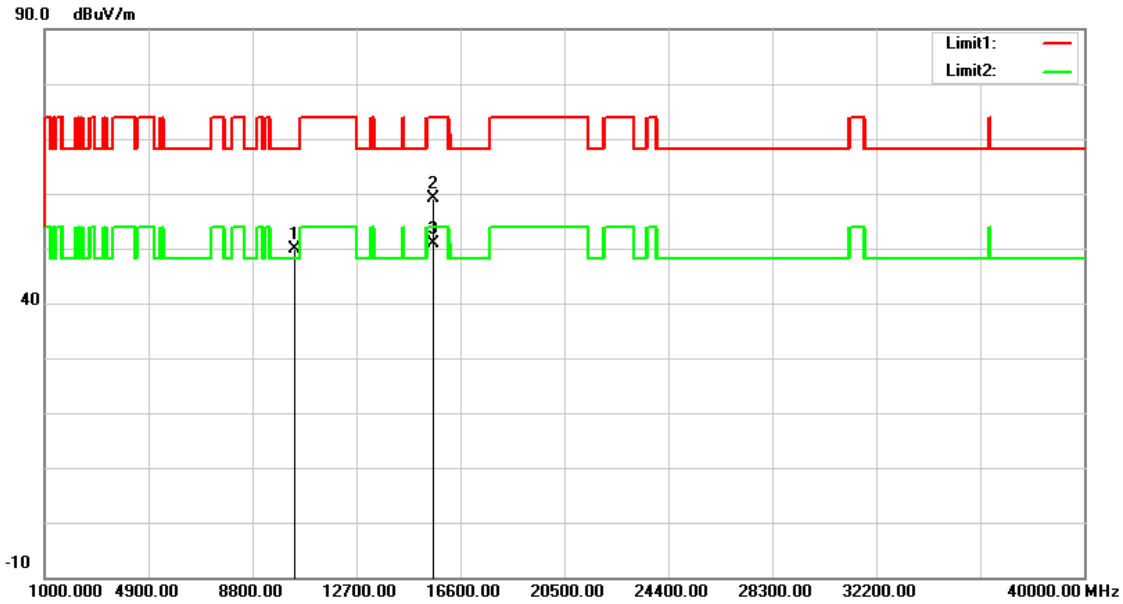
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	35.92	18.88	54.80	74.00	-19.20	peak
2	11650.000	27.83	18.88	46.71	54.00	-7.29	AVG
3	17475.000	39.01	25.57	64.58	68.20	-3.62	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



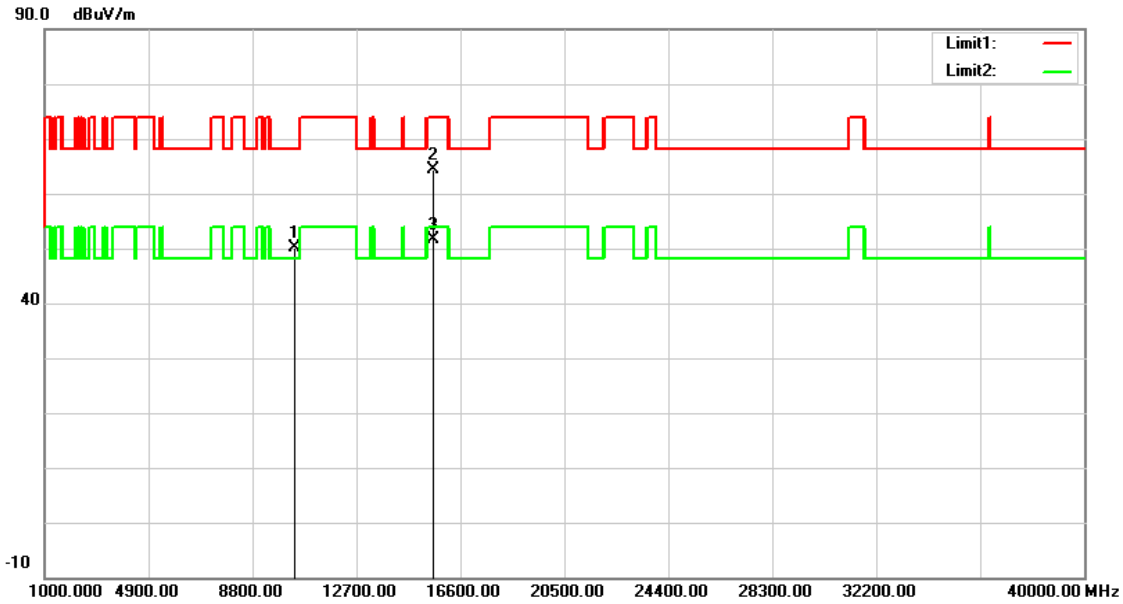
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.67	17.23	49.90	68.20	-18.30	peak
2	15570.000	38.46	20.61	59.07	74.00	-14.93	peak
3	15570.000	30.16	20.61	50.77	54.00	-3.23	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



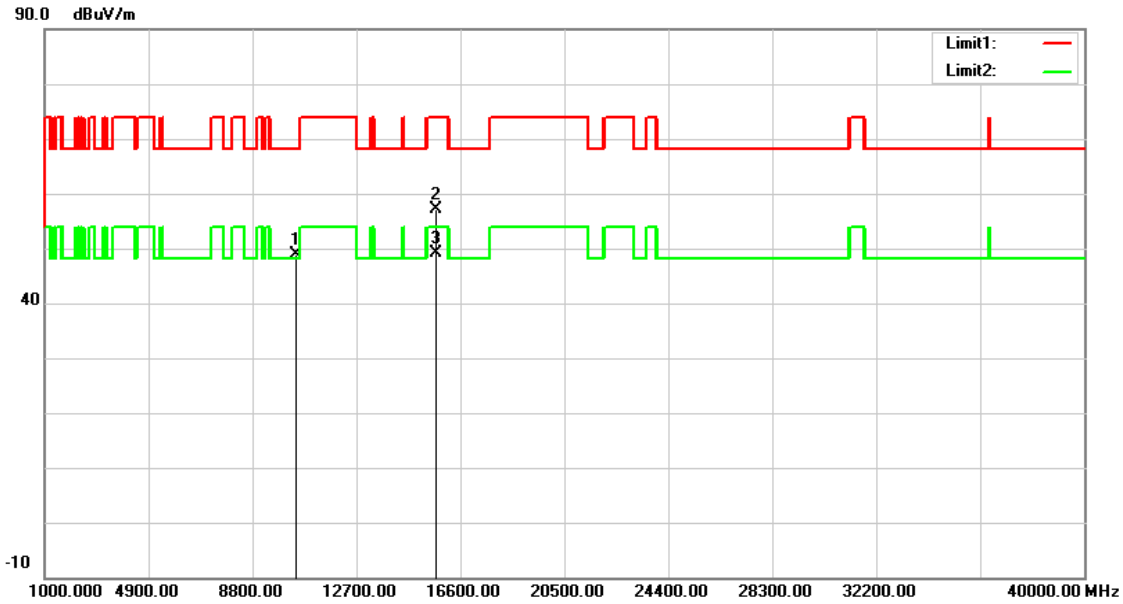
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.78	17.23	50.01	68.20	-18.19	peak
2	15570.000	43.70	20.61	64.31	74.00	-9.69	peak
3	15570.000	31.09	20.61	51.70	54.00	-2.30	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



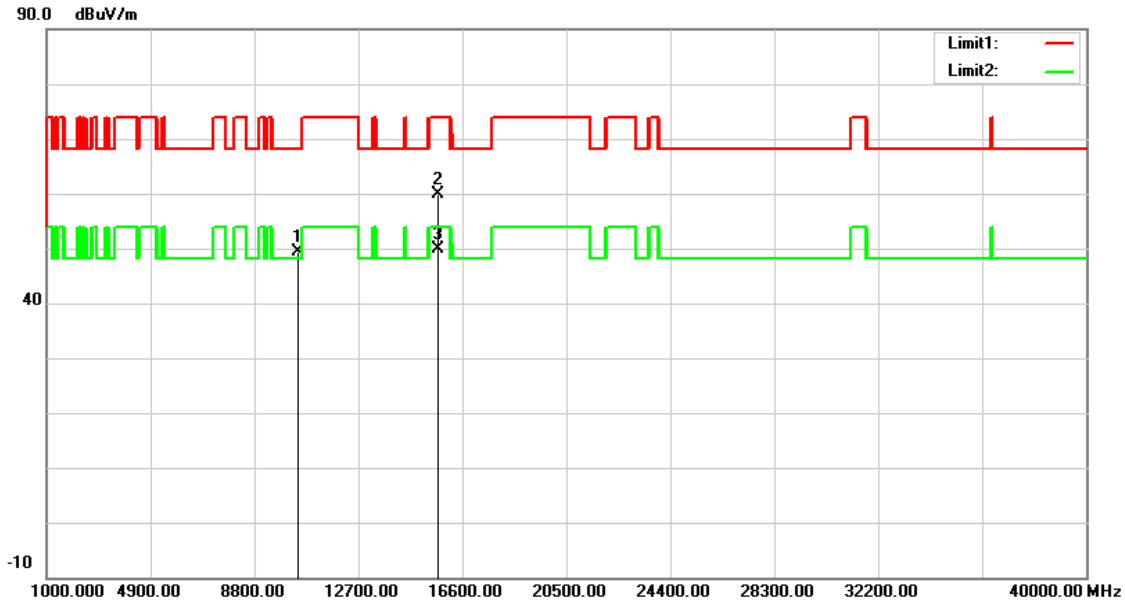
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	31.32	17.49	48.81	68.20	-19.39	peak
2	15690.000	36.90	20.28	57.18	74.00	-16.82	peak
3	15690.000	28.89	20.28	49.17	54.00	-4.83	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



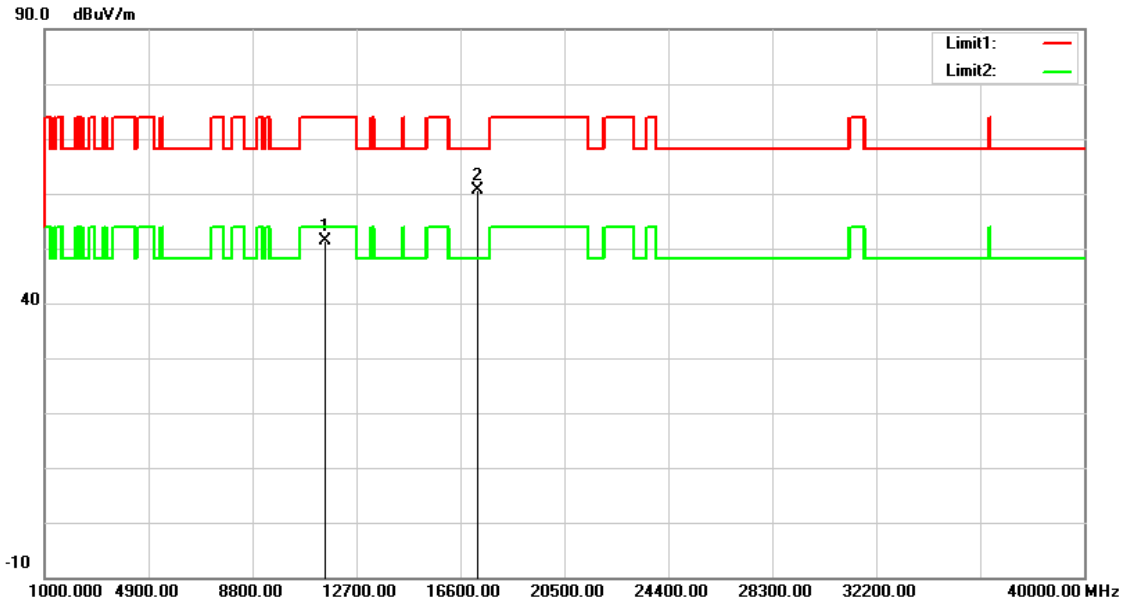
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	31.87	17.49	49.36	68.20	-18.84	peak
2	15690.000	39.60	20.28	59.88	74.00	-14.12	peak
3	15690.000	29.50	20.28	49.78	54.00	-4.22	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



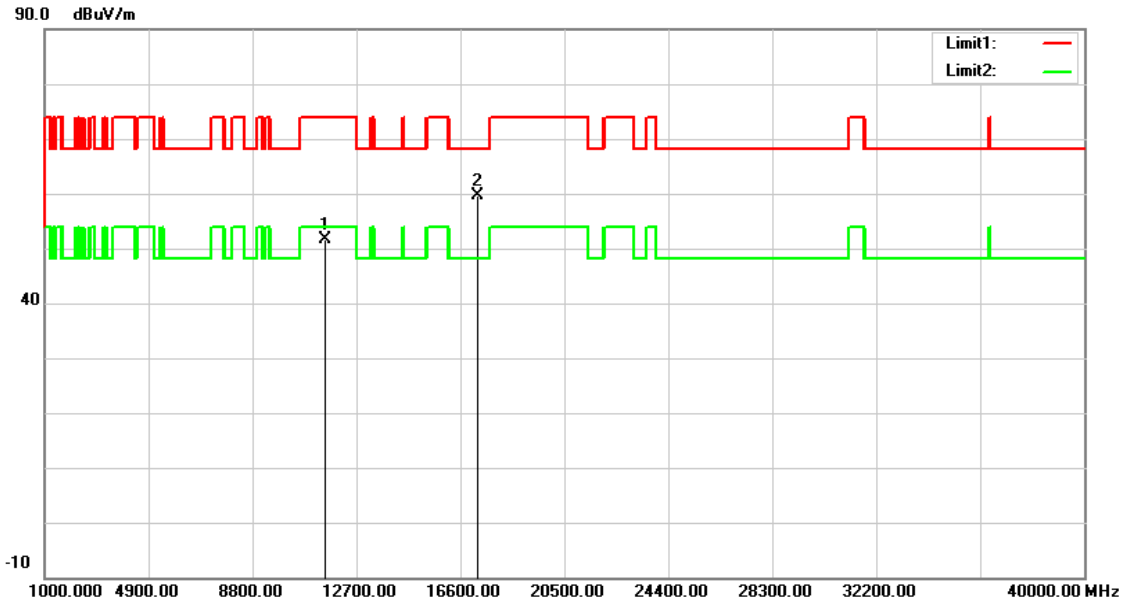
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.30	18.99	51.29	74.00	-22.71	peak
2	17265.000	35.78	24.88	60.66	68.20	-7.54	peak

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:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



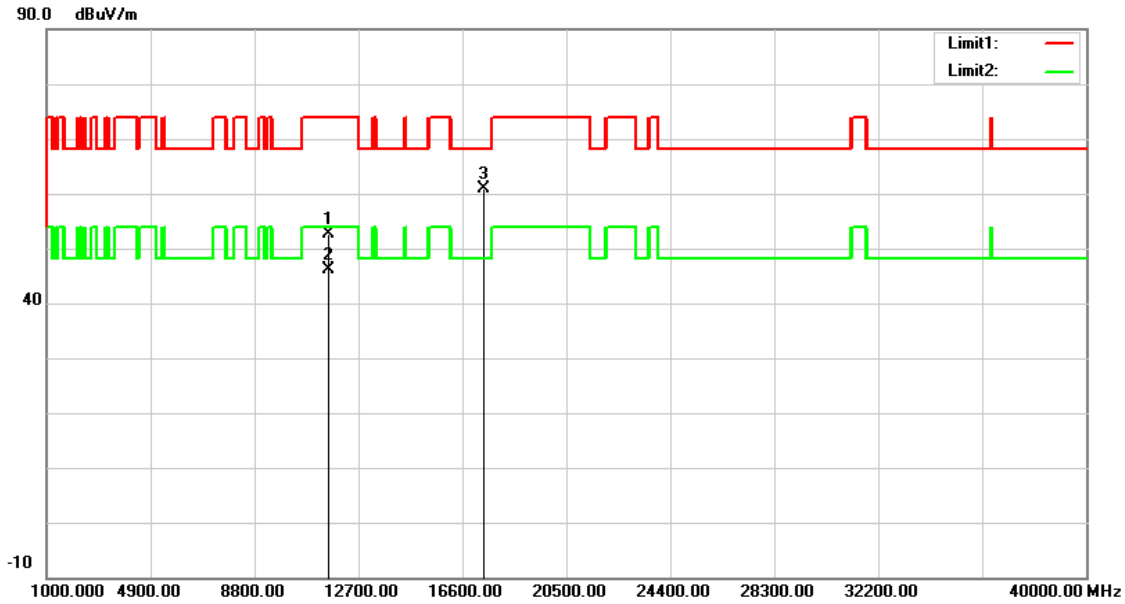
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.62	18.99	51.61	74.00	-22.39	peak
2	17265.000	34.86	24.88	59.74	68.20	-8.46	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



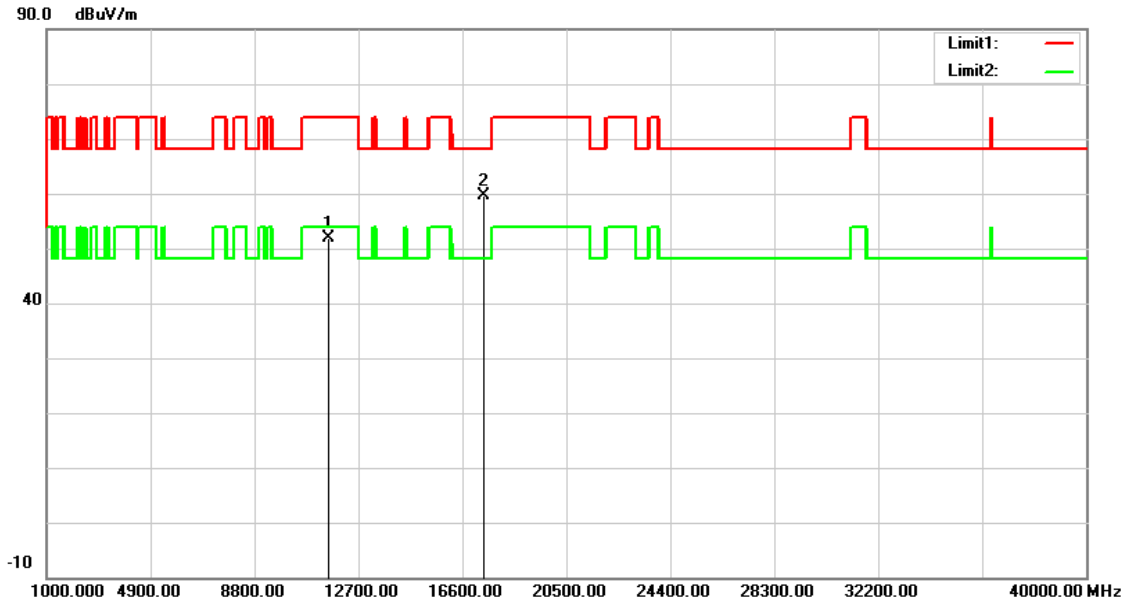
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	33.77	18.93	52.70	74.00	-21.30	peak
2	11590.000	27.29	18.93	46.22	54.00	-7.78	AVG
3	17385.000	35.72	25.27	60.99	68.20	-7.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



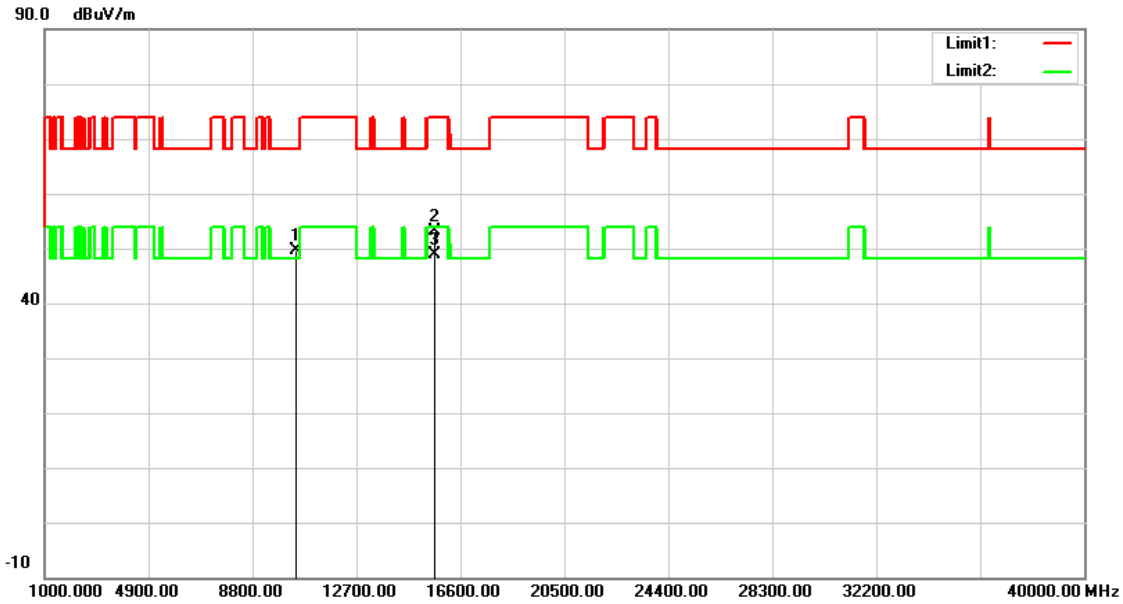
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	32.90	18.93	51.83	74.00	-22.17	peak
2	17385.000	34.42	25.27	59.69	68.20	-8.51	peak

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:	5210 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



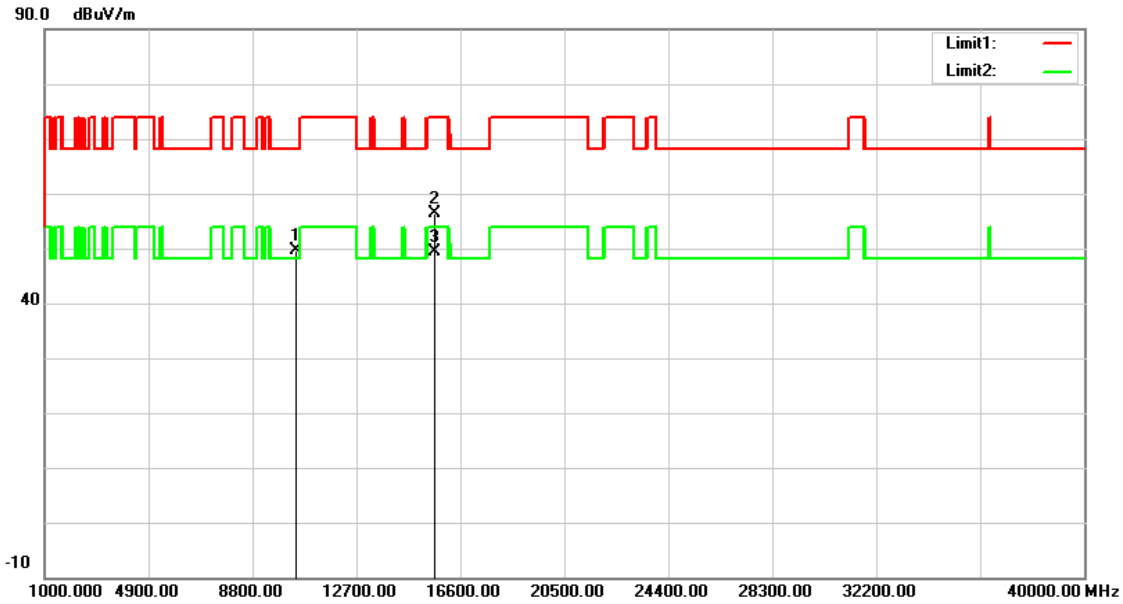
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.25	17.36	49.61	68.20	-18.59	peak
2	15630.000	32.80	20.44	53.24	74.00	-20.76	peak
3	15630.000	28.41	20.44	48.85	54.00	-5.15	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



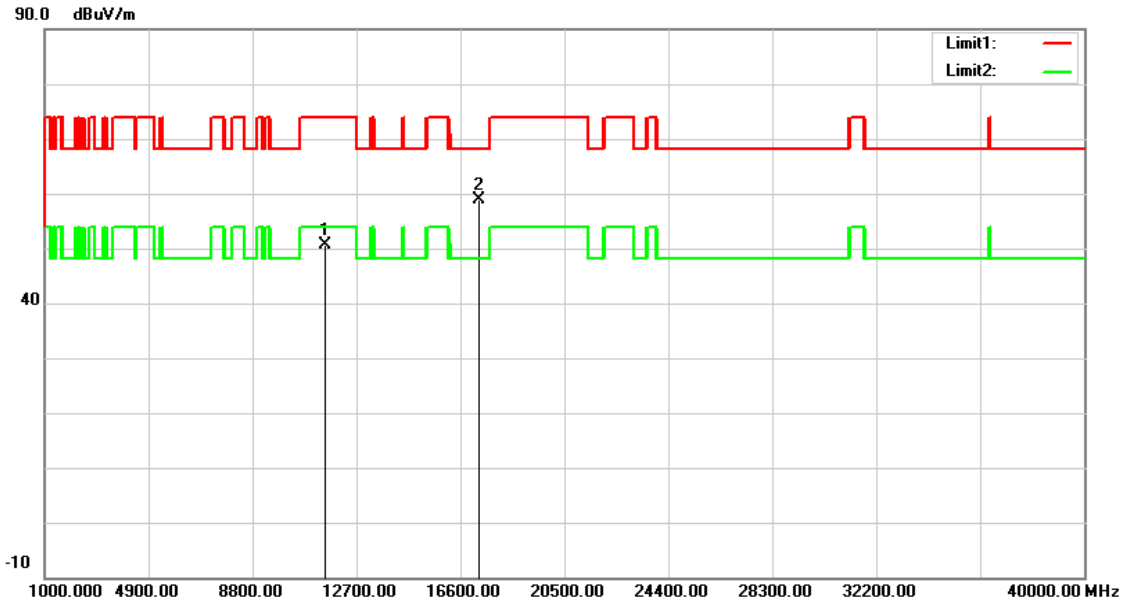
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.28	17.36	49.64	68.20	-18.56	peak
2	15630.000	35.84	20.44	56.28	74.00	-17.72	peak
3	15630.000	28.90	20.44	49.34	54.00	-4.66	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



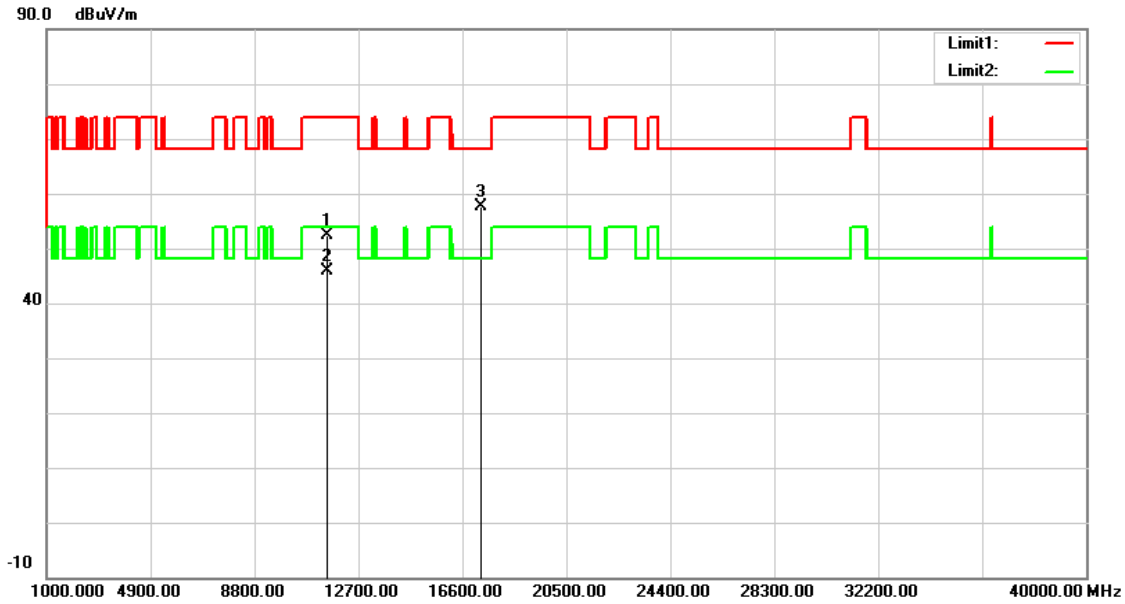
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.67	18.96	50.63	74.00	-23.37	peak
2	17325.000	33.76	25.08	58.84	68.20	-9.36	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



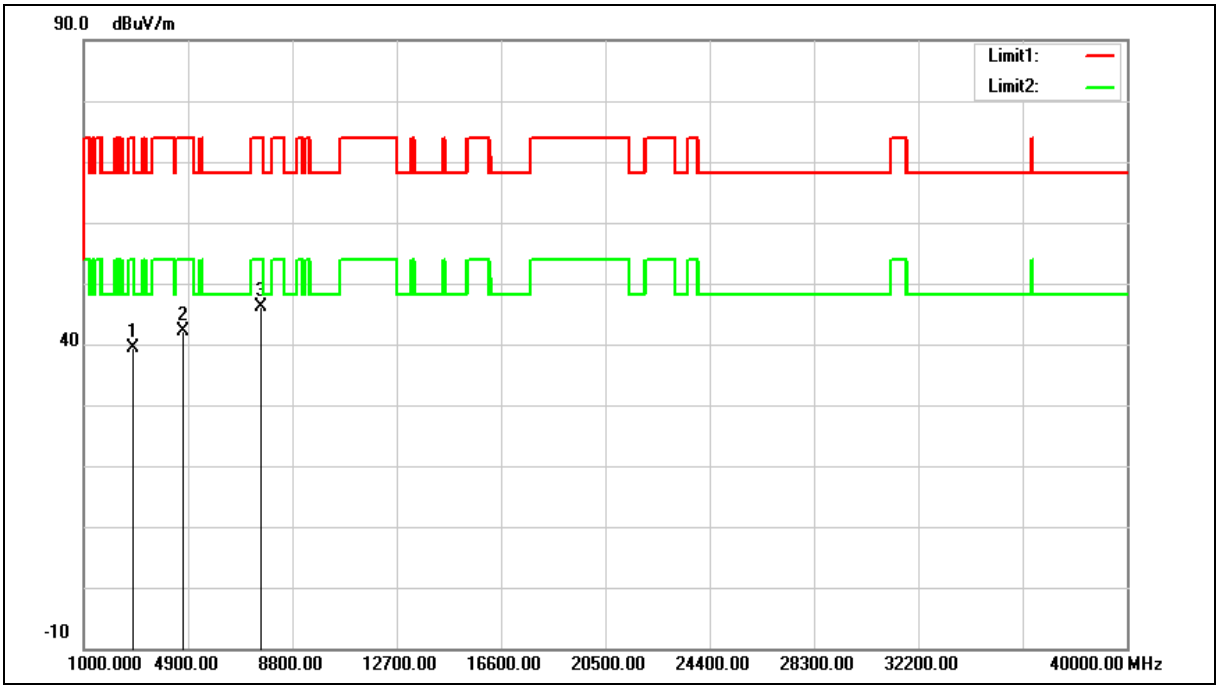
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	33.30	18.96	52.26	74.00	-21.74	peak
2	11550.000	26.95	18.96	45.91	54.00	-8.09	AVG
3	17325.000	32.58	25.08	57.66	68.20	-10.54	peak

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



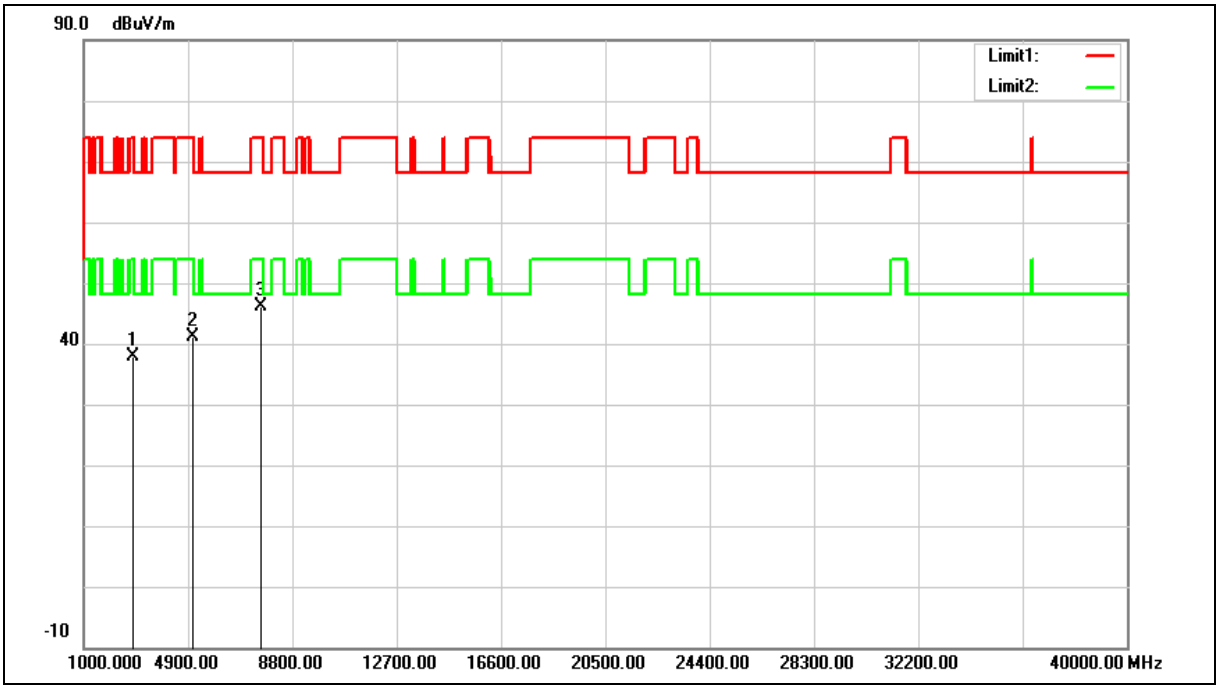
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	38.73	0.53	39.26	74.00	-34.74	peak
2	4689.000	36.53	5.65	42.18	74.00	-31.82	peak
3	7647.000	32.87	13.25	46.12	74.00	-27.88	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2822.000	37.37	0.60	37.97	74.00	-36.03	peak
2	5029.000	34.70	6.40	41.10	74.00	-32.90	peak
3	7613.000	33.01	13.14	46.15	74.00	-27.85	peak

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

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

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

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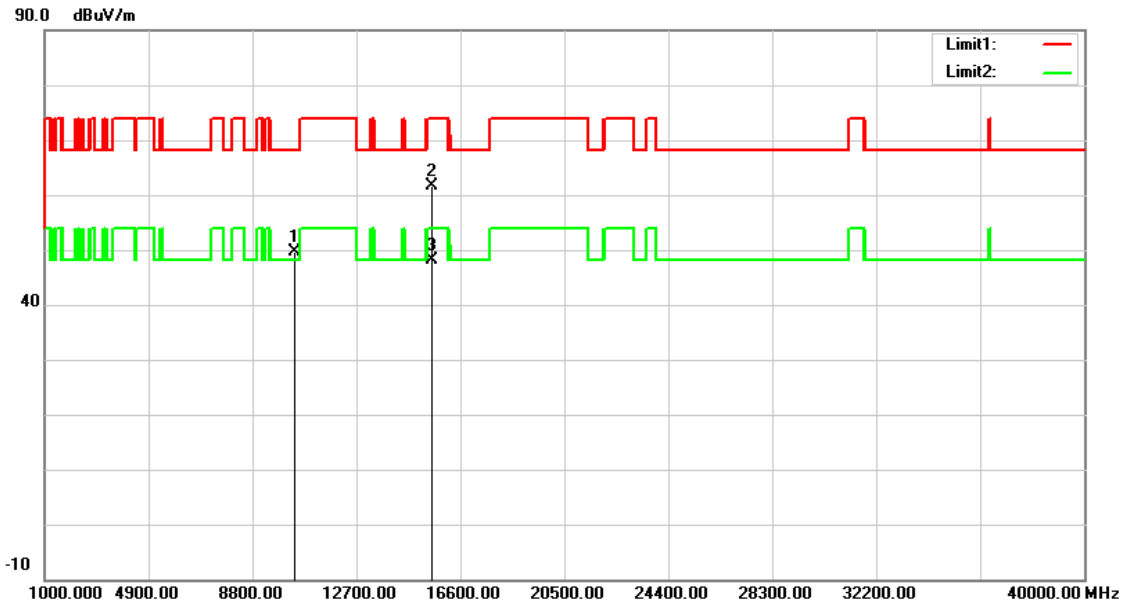
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



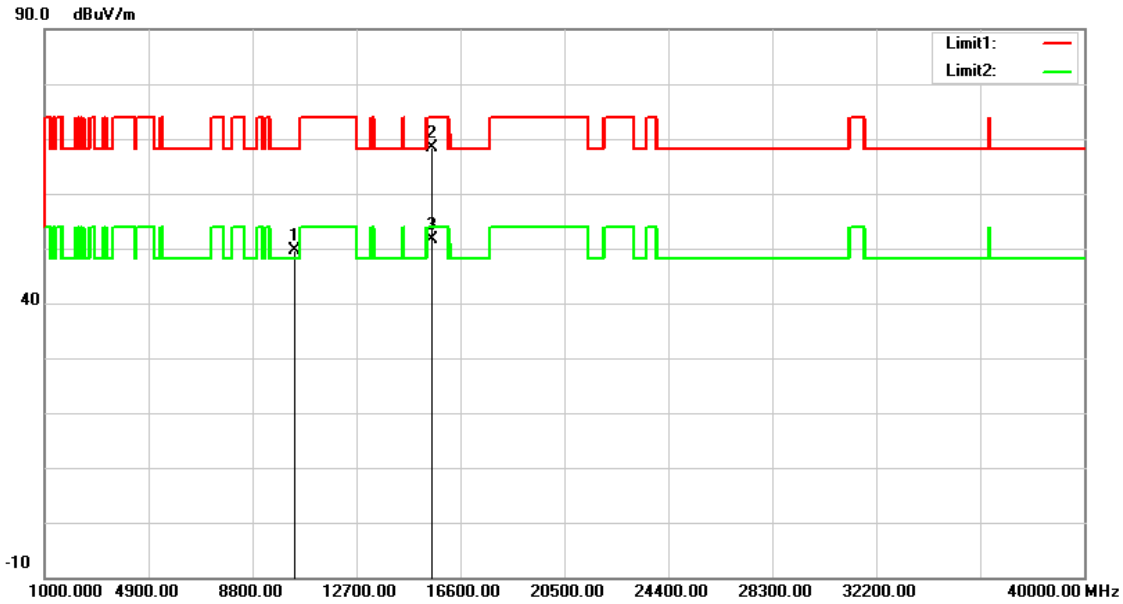
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.48	17.18	49.66	68.20	-18.54	peak
2	15540.000	40.90	20.68	61.58	74.00	-12.42	peak
3	15540.000	27.52	20.68	48.20	54.00	-5.80	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



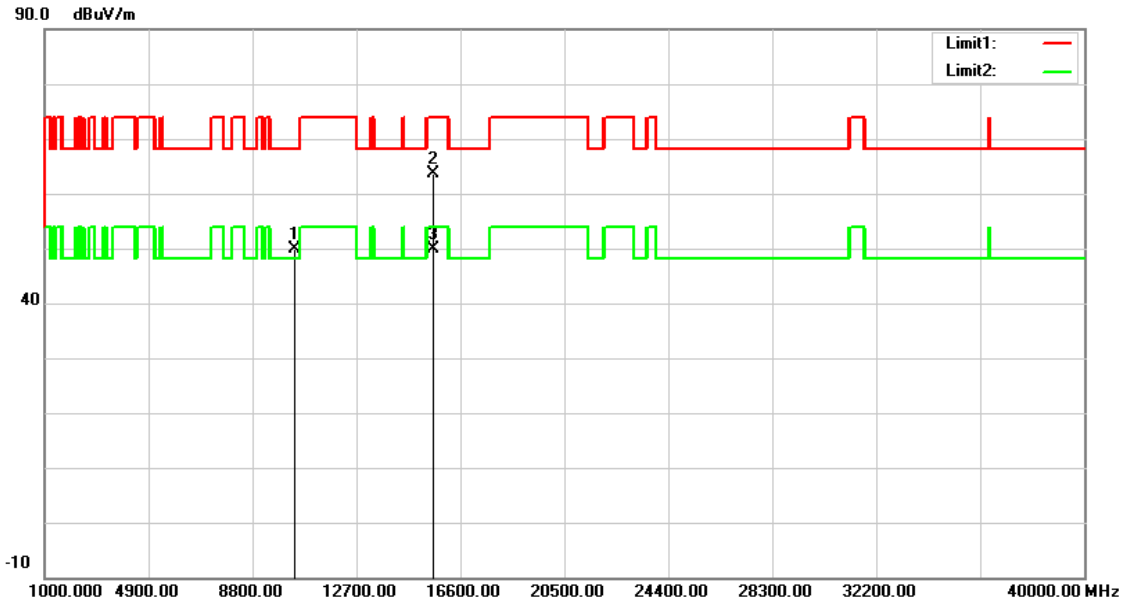
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.52	17.18	49.70	68.20	-18.50	peak
2	15540.000	47.58	20.68	68.26	74.00	-5.74	peak
3	15540.000	30.84	20.68	51.52	54.00	-2.48	AVG

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



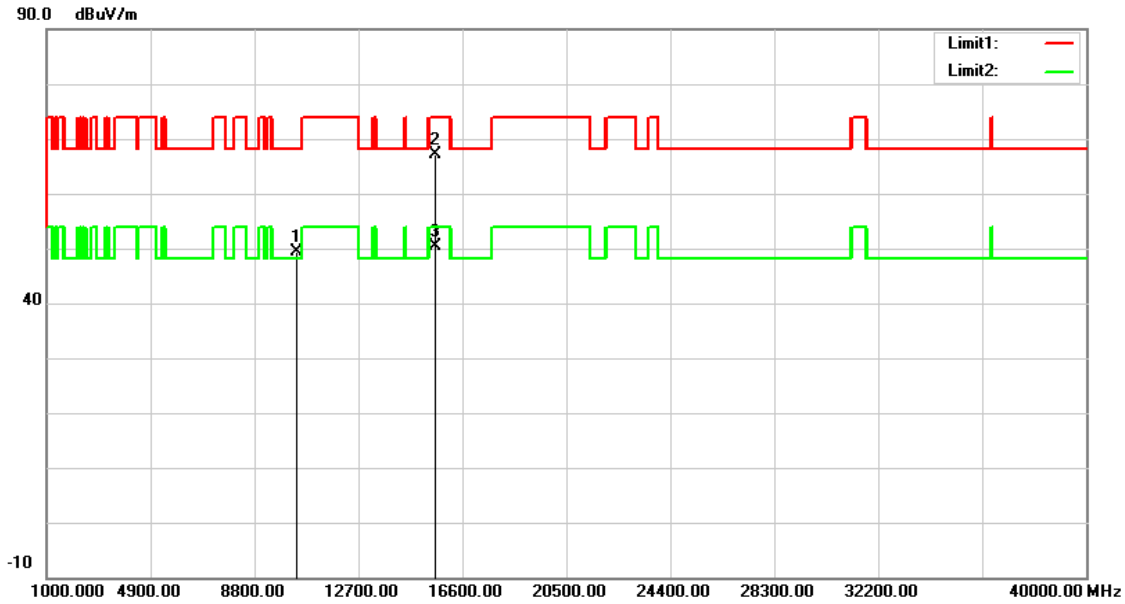
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.51	17.30	49.81	68.20	-18.39	peak
2	15600.000	43.03	20.52	63.55	74.00	-10.45	peak
3	15600.000	29.47	20.52	49.99	54.00	-4.01	AVG

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

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

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

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



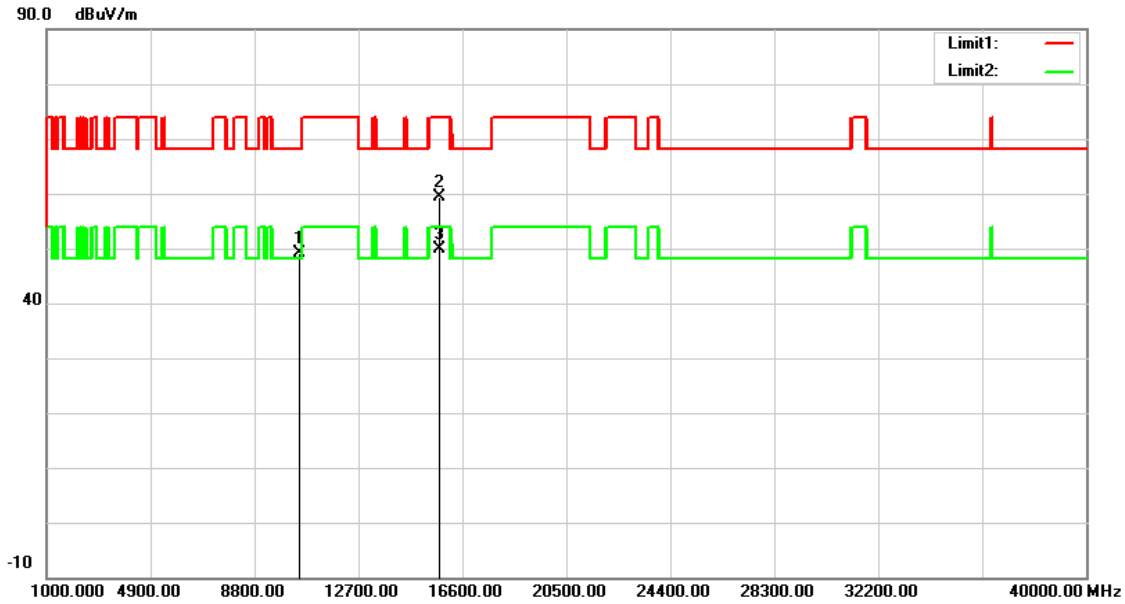
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.99	17.30	49.29	68.20	-18.91	peak
2	15600.000	46.72	20.52	67.24	74.00	-6.76	peak
3	15600.000	29.91	20.52	50.43	54.00	-3.57	AVG

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



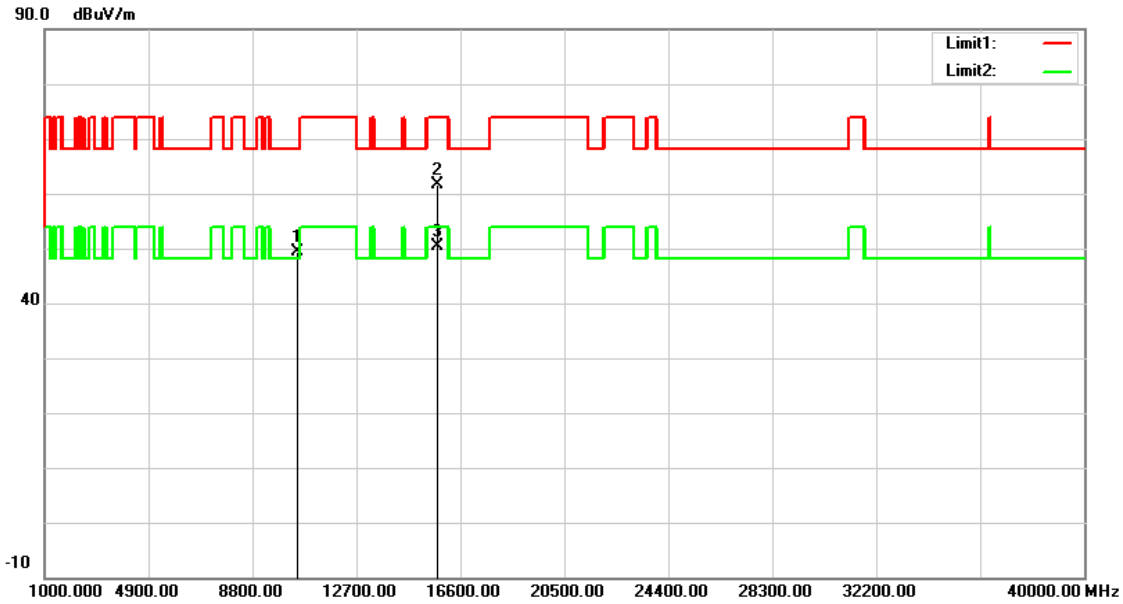
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.61	17.56	49.17	68.20	-19.03	peak
2	15720.000	39.19	20.21	59.40	74.00	-14.60	peak
3	15720.000	29.62	20.21	49.83	54.00	-4.17	AVG

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



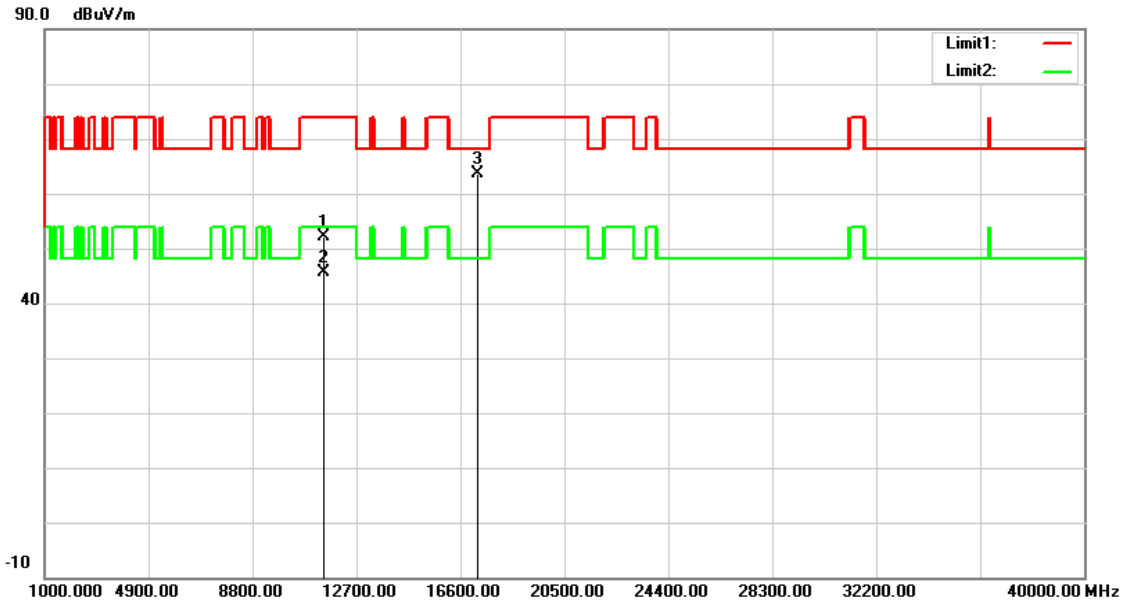
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.79	17.56	49.35	68.20	-18.85	peak
2	15720.000	41.49	20.21	61.70	74.00	-12.30	peak
3	15720.000	30.26	20.21	50.47	54.00	-3.53	AVG

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



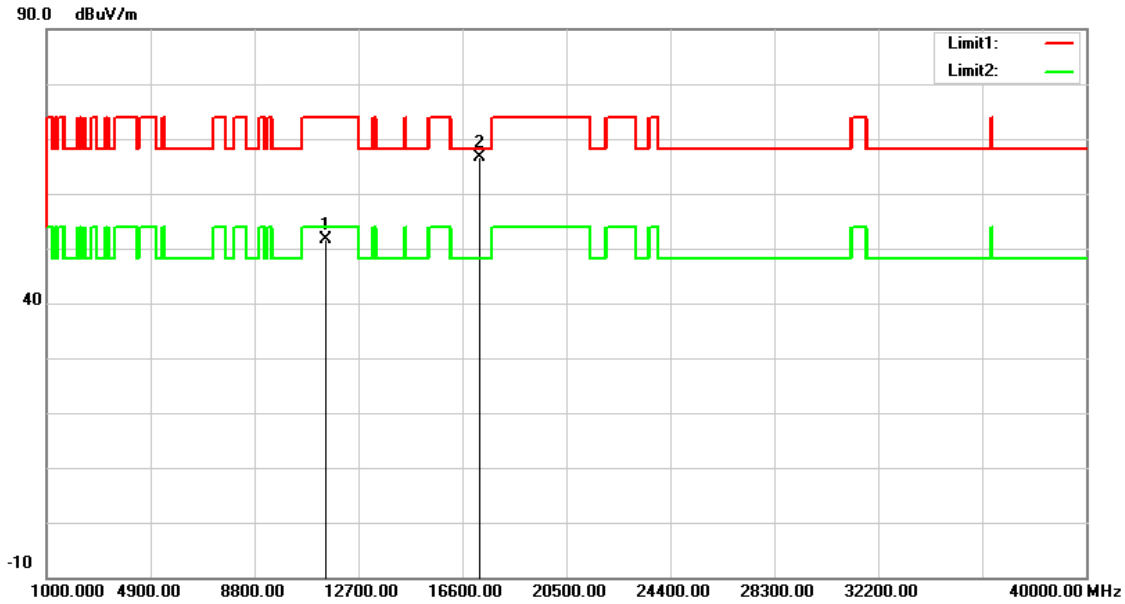
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.14	18.99	52.13	74.00	-21.87	peak
2	11490.000	26.75	18.99	45.74	54.00	-8.26	AVG
3	17235.000	38.78	24.77	63.55	68.20	-4.65	peak

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

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

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

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



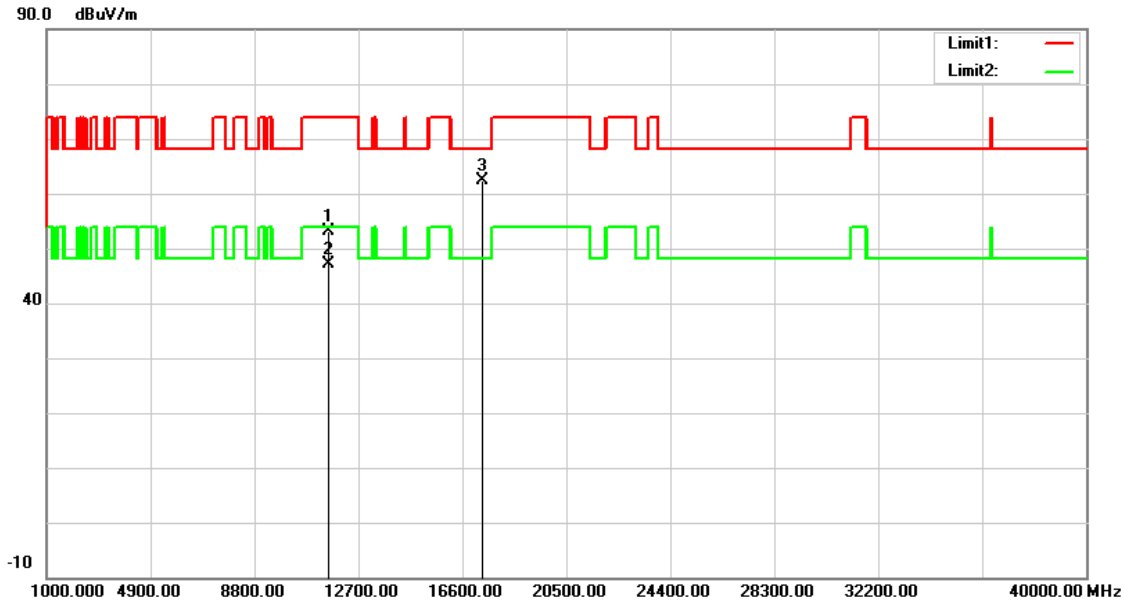
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.66	18.99	51.65	74.00	-22.35	peak
2	17235.000	41.81	24.77	66.58	68.20	-1.62	peak

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

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

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

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



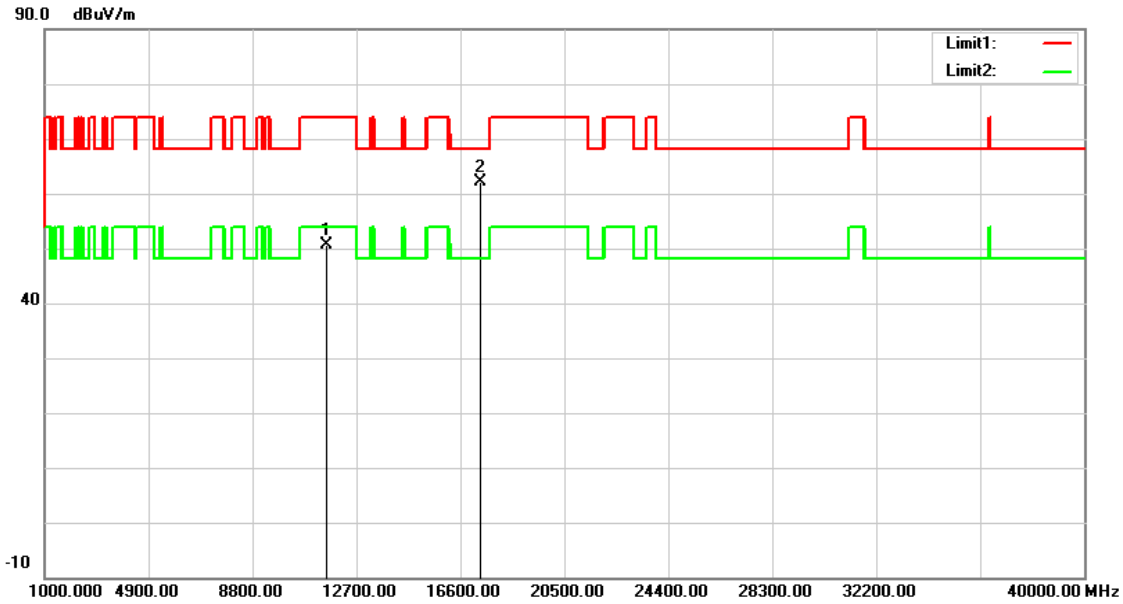
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	34.18	18.94	53.12	74.00	-20.88	peak
2	11570.000	28.11	18.94	47.05	54.00	-6.95	AVG
3	17355.000	37.28	25.18	62.46	68.20	-5.74	peak

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

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

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

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



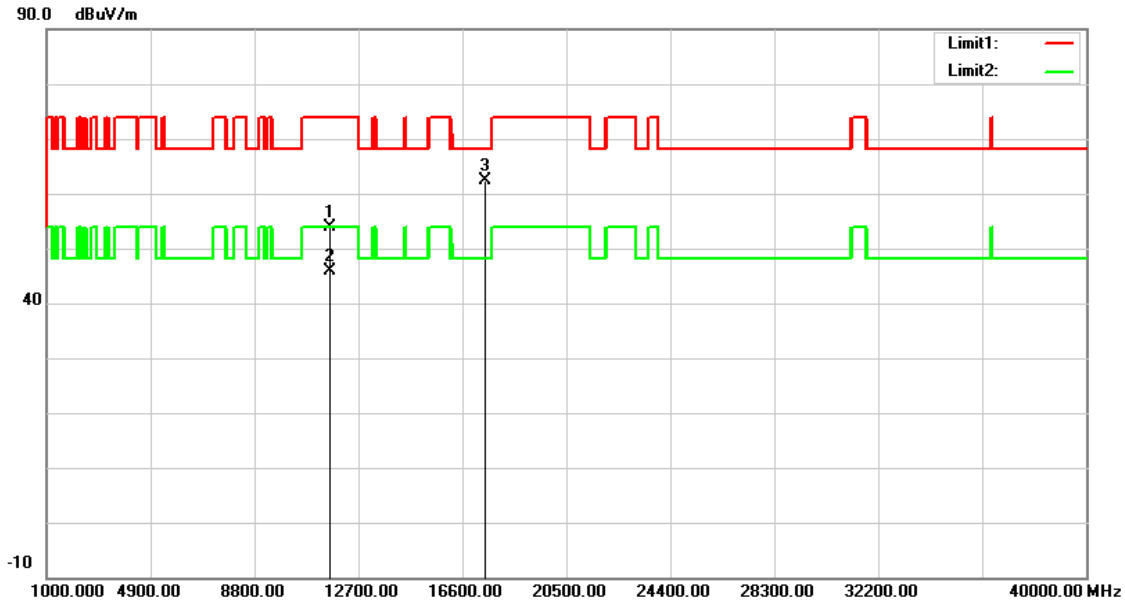
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.64	18.94	50.58	74.00	-23.42	peak
2	17355.000	36.91	25.18	62.09	68.20	-6.11	peak

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



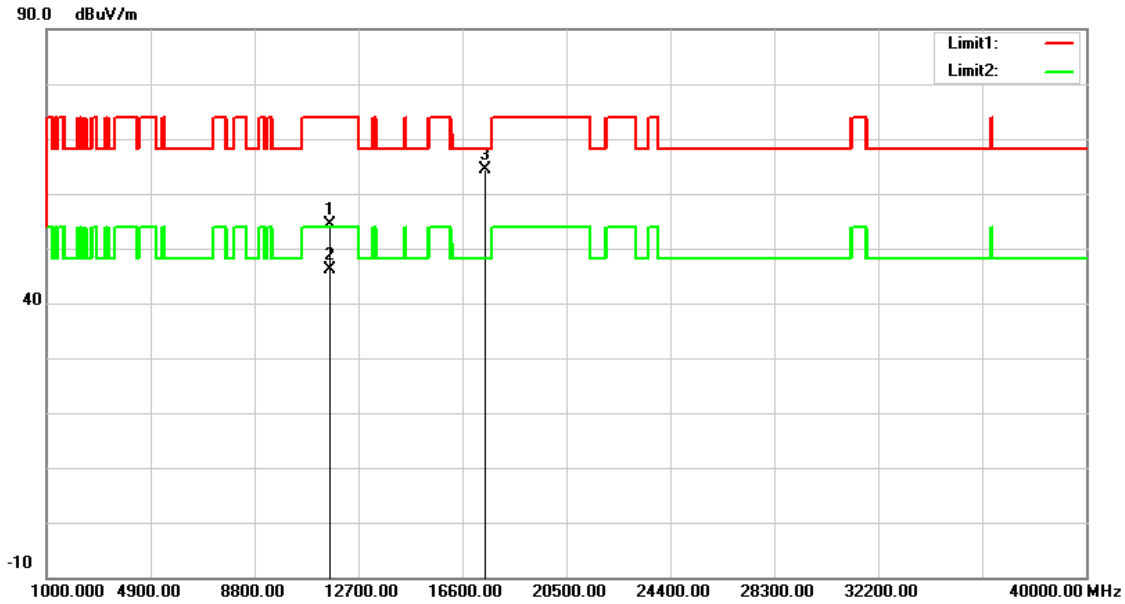
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	35.09	18.88	53.97	74.00	-20.03	peak
2	11650.000	27.11	18.88	45.99	54.00	-8.01	AVG
3	17475.000	36.76	25.57	62.33	68.20	-5.87	peak

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

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

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

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



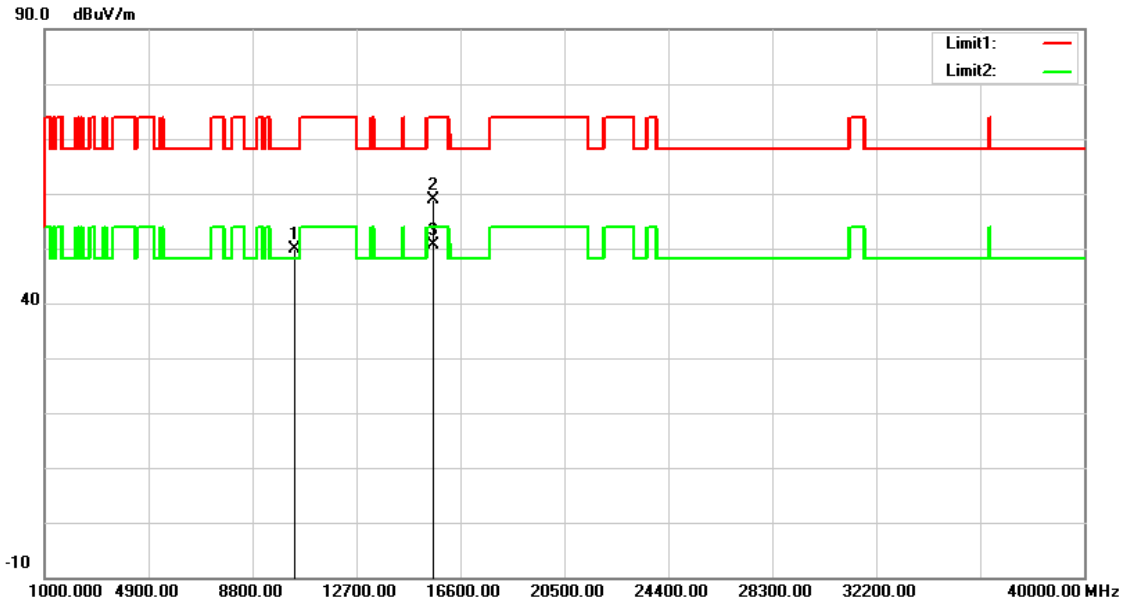
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	35.53	18.88	54.41	74.00	-19.59	peak
2	11650.000	27.34	18.88	46.22	54.00	-7.78	AVG
3	17475.000	38.74	25.57	64.31	68.20	-3.89	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



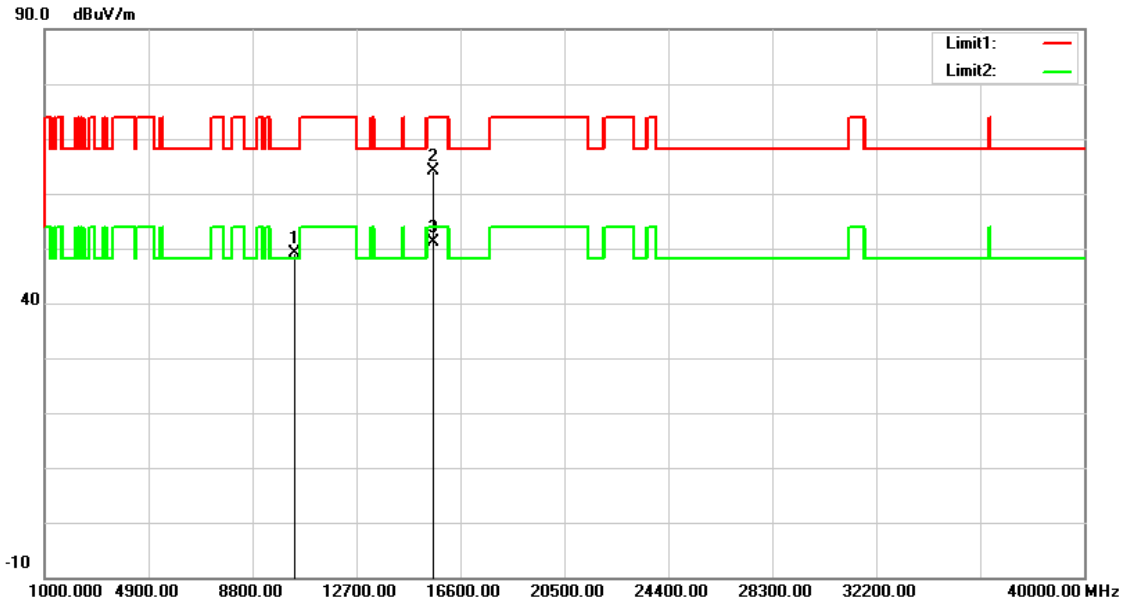
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	32.63	17.23	49.86	68.20	-18.34	peak
2	15570.000	38.16	20.61	58.77	74.00	-15.23	peak
3	15570.000	29.91	20.61	50.52	54.00	-3.48	AVG

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



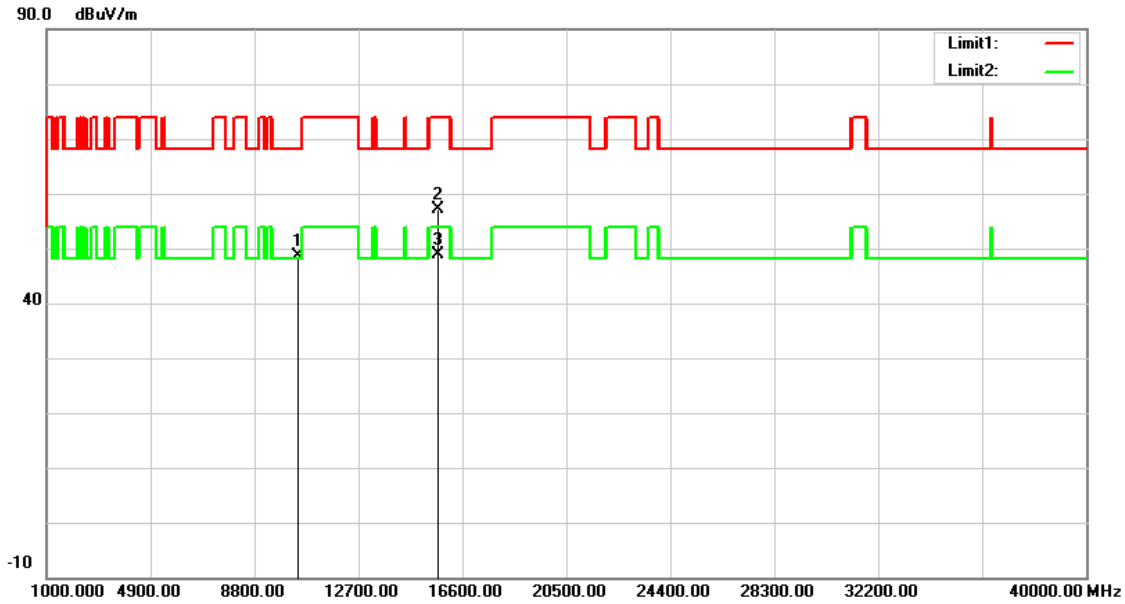
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	31.91	17.23	49.14	68.20	-19.06	peak
2	15570.000	43.44	20.61	64.05	74.00	-9.95	peak
3	15570.000	30.45	20.61	51.06	54.00	-2.94	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



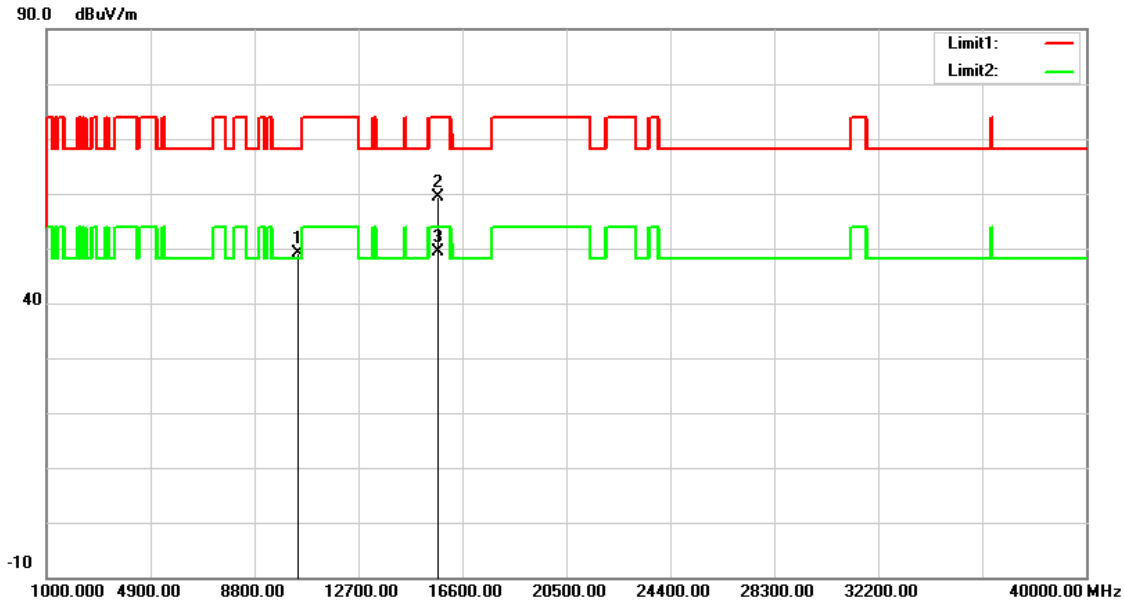
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	31.06	17.49	48.55	68.20	-19.65	peak
2	15690.000	36.74	20.28	57.02	74.00	-16.98	peak
3	15690.000	28.70	20.28	48.98	54.00	-5.02	AVG

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



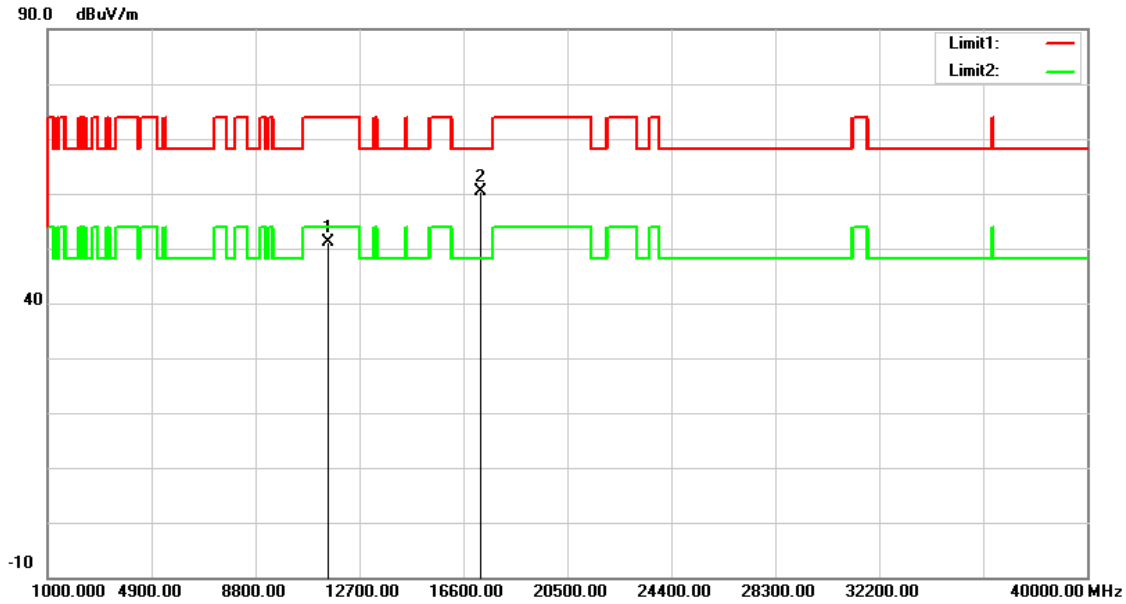
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	31.57	17.49	49.06	68.20	-19.14	peak
2	15690.000	39.16	20.28	59.44	74.00	-14.56	peak
3	15690.000	29.22	20.28	49.50	54.00	-4.50	AVG

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



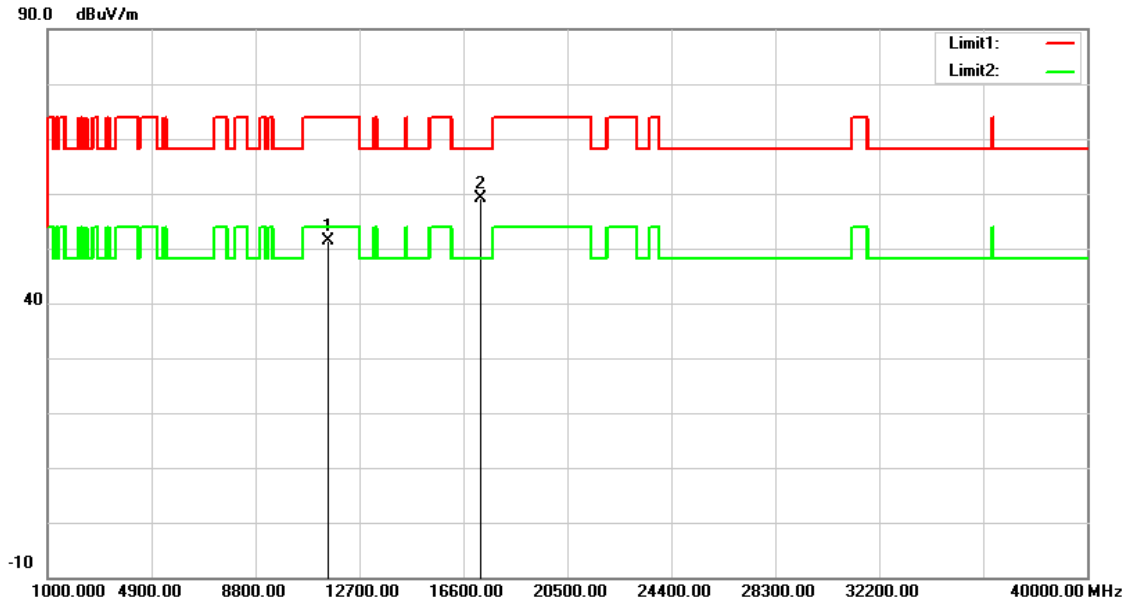
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.02	18.99	51.01	74.00	-22.99	peak
2	17265.000	35.51	24.88	60.39	68.20	-7.81	peak

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:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



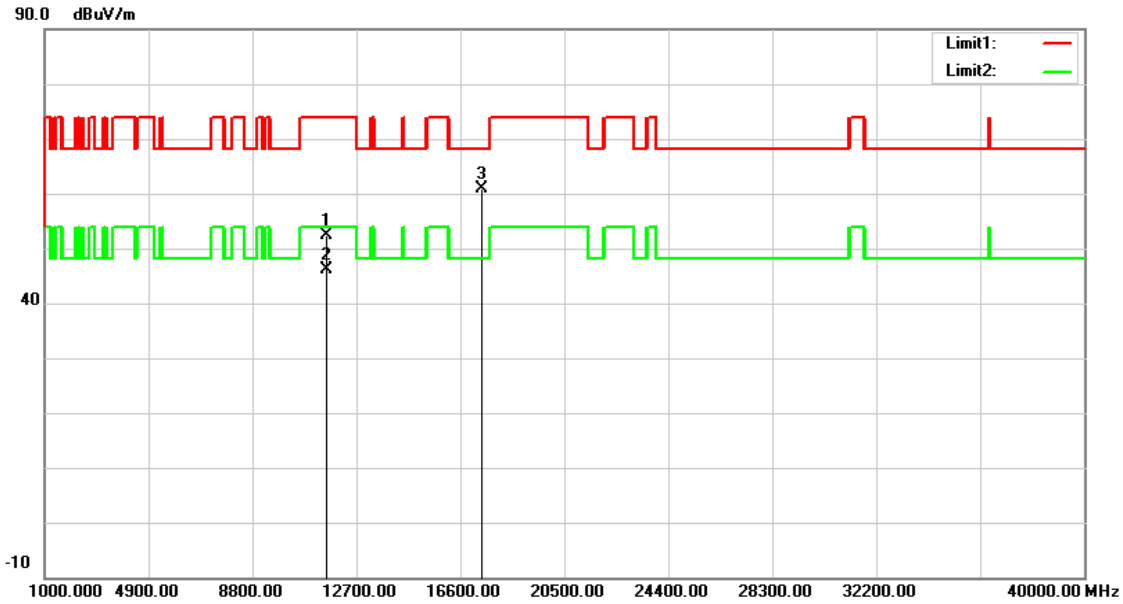
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.49	18.99	51.48	74.00	-22.52	peak
2	17265.000	34.32	24.88	59.20	68.20	-9.00	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



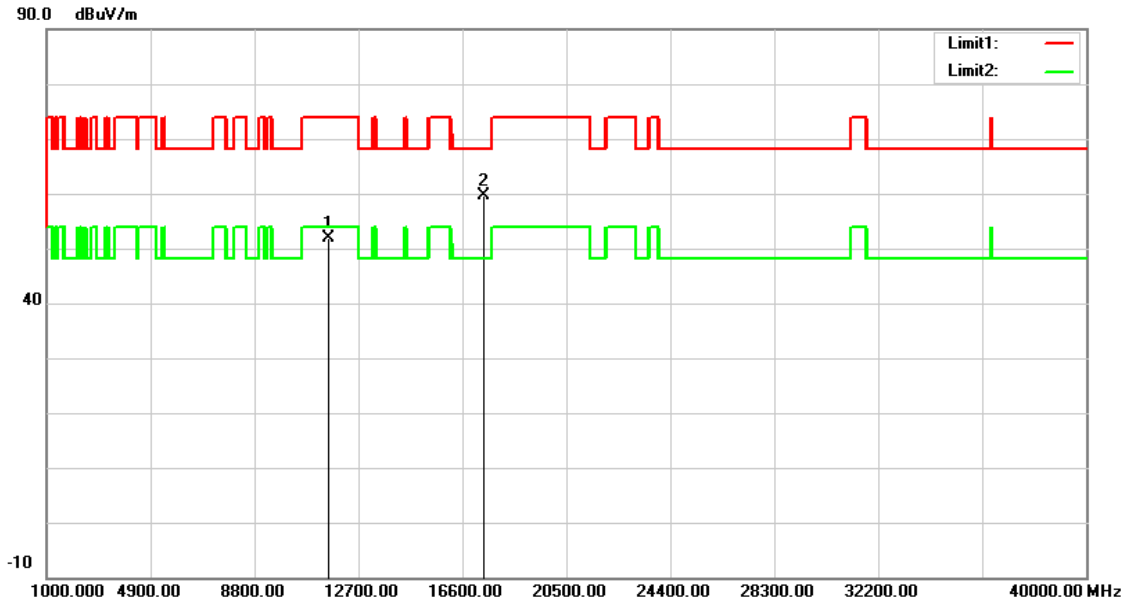
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	33.45	18.93	52.38	74.00	-21.62	peak
2	11590.000	27.17	18.93	46.10	54.00	-7.90	AVG
3	17385.000	35.55	25.27	60.82	68.20	-7.38	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



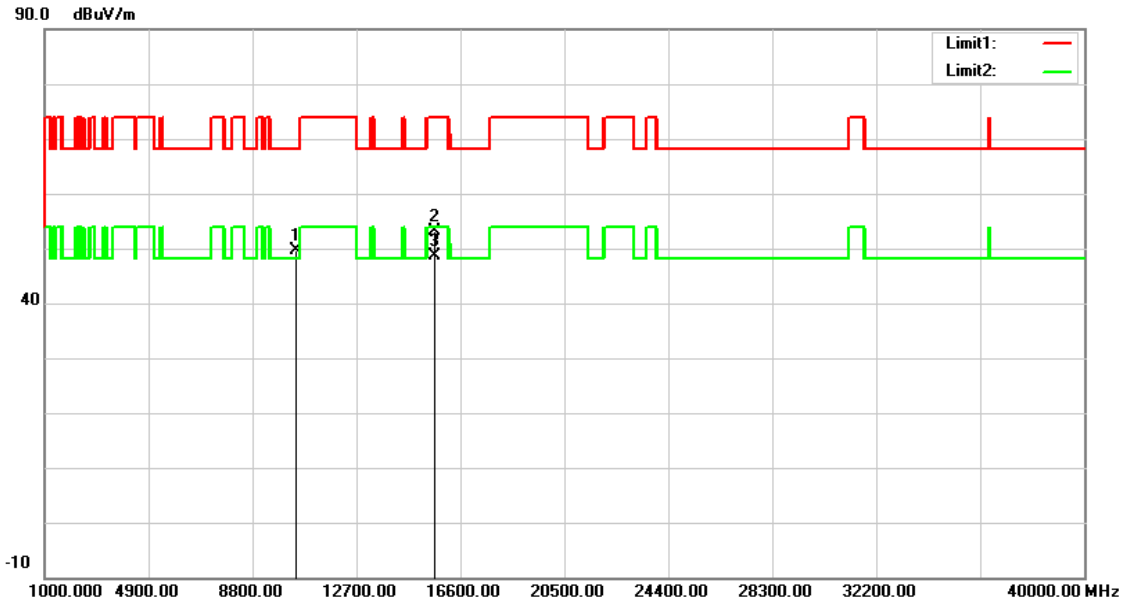
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	32.84	18.93	51.77	74.00	-22.23	peak
2	17385.000	34.48	25.27	59.75	68.20	-8.45	peak

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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



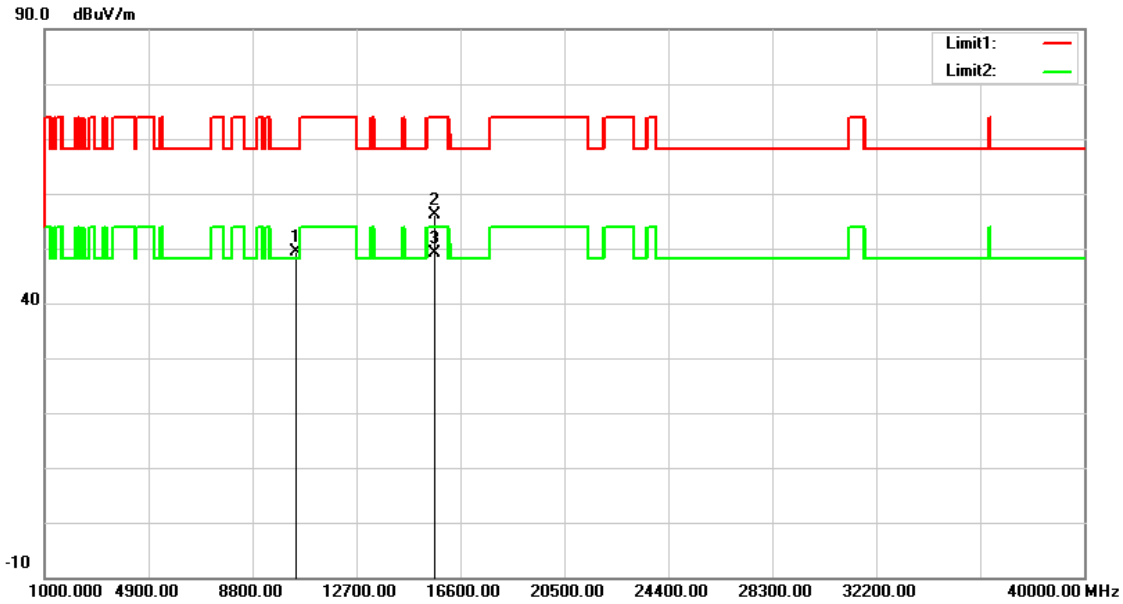
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.17	17.36	49.53	68.20	-18.67	peak
2	15630.000	32.71	20.44	53.15	74.00	-20.85	peak
3	15630.000	28.17	20.44	48.61	54.00	-5.39	AVG

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:	5210 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



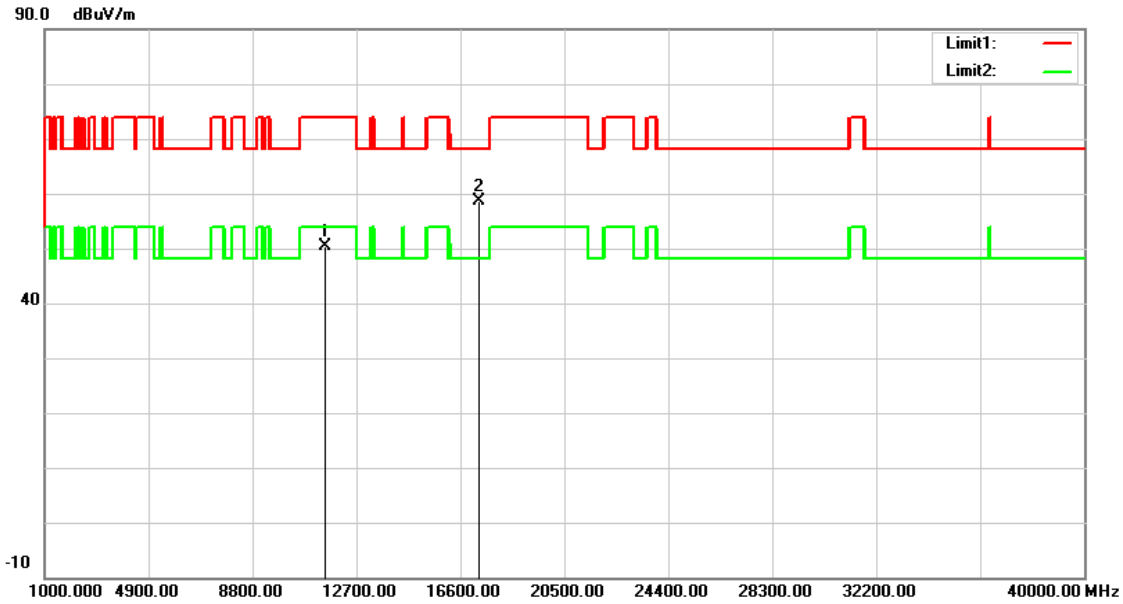
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.09	17.36	49.45	68.20	-18.75	peak
2	15630.000	35.63	20.44	56.07	74.00	-17.93	peak
3	15630.000	28.62	20.44	49.06	54.00	-4.94	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



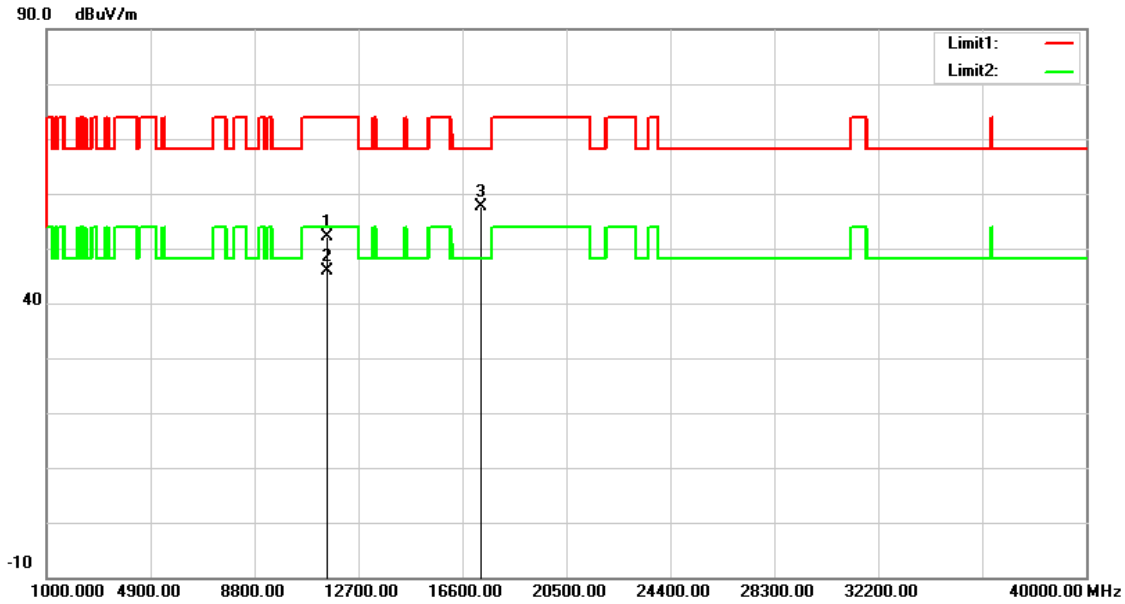
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.54	18.96	50.50	74.00	-23.50	peak
2	17325.000	33.62	25.08	58.70	68.20	-9.50	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



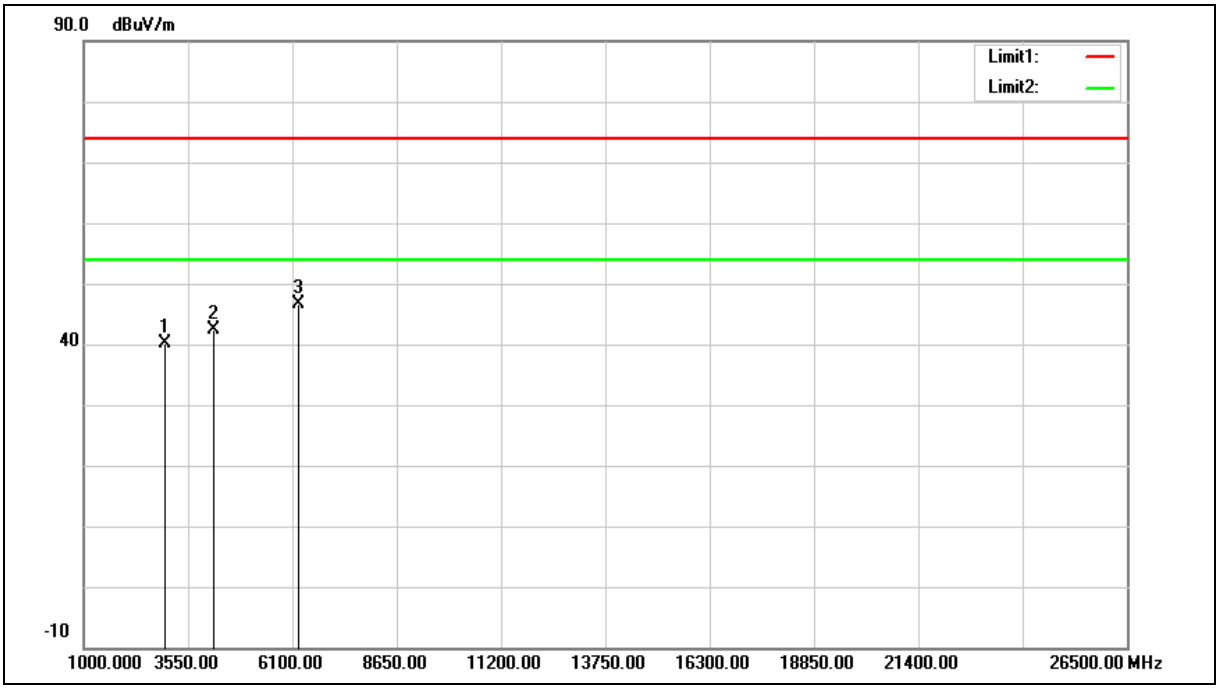
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	33.07	18.96	52.03	74.00	-21.97	peak
2	11550.000	26.87	18.96	45.83	54.00	-8.17	AVG
3	17325.000	32.50	25.08	57.58	68.20	-10.62	peak

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

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

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

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



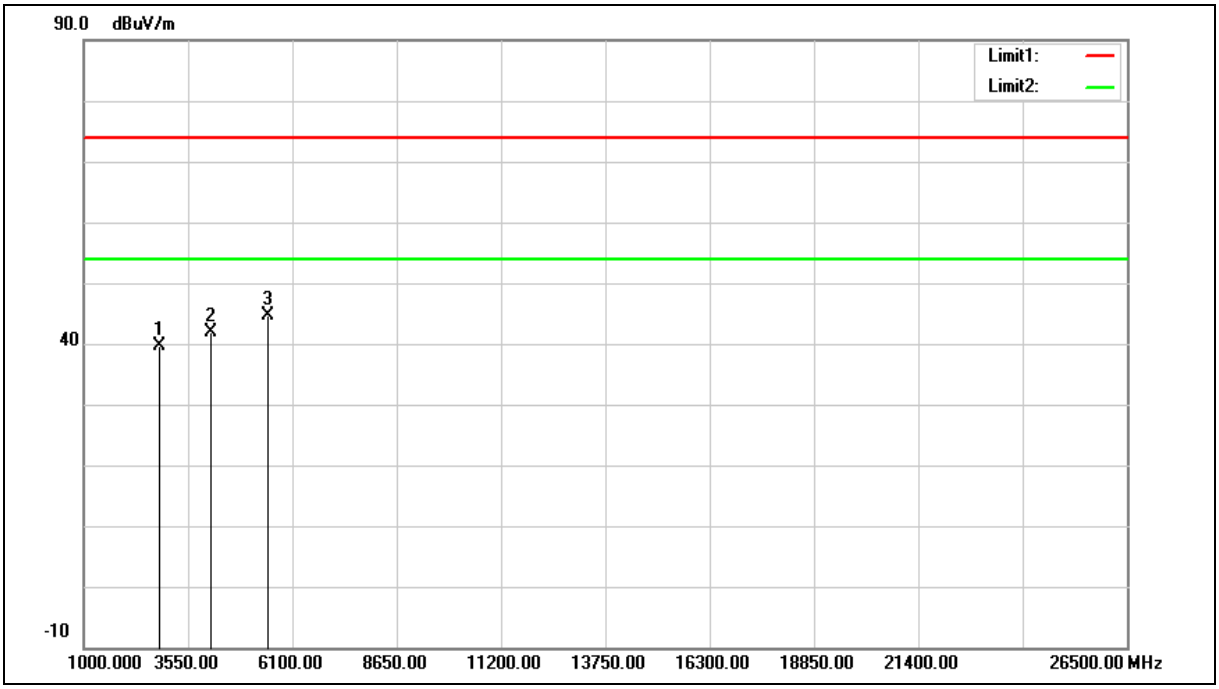
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2972.000	39.10	1.13	40.23	74.00	-33.77	peak
2	4179.000	37.91	4.40	42.31	74.00	-31.69	peak
3	6253.000	36.95	9.57	46.52	74.00	-27.48	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	39.11	0.60	39.71	74.00	-34.29	peak
2	4111.000	37.65	4.21	41.86	74.00	-32.14	peak
3	5488.000	36.78	7.77	44.55	74.00	-29.45	peak

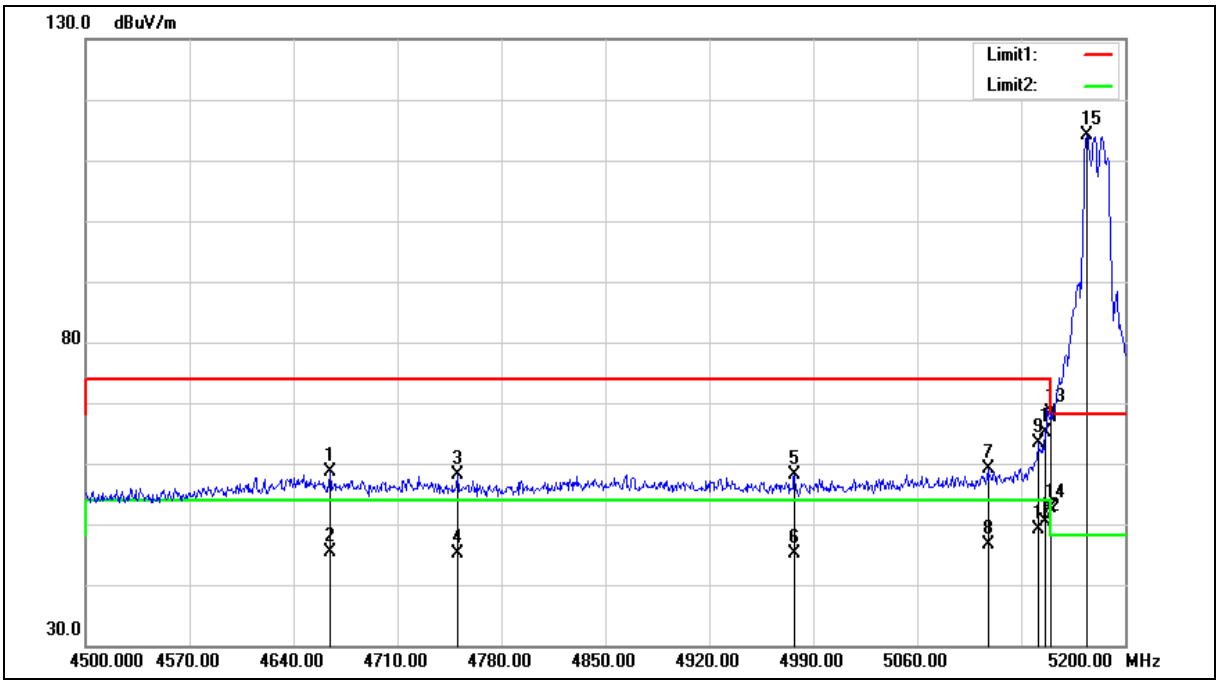
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

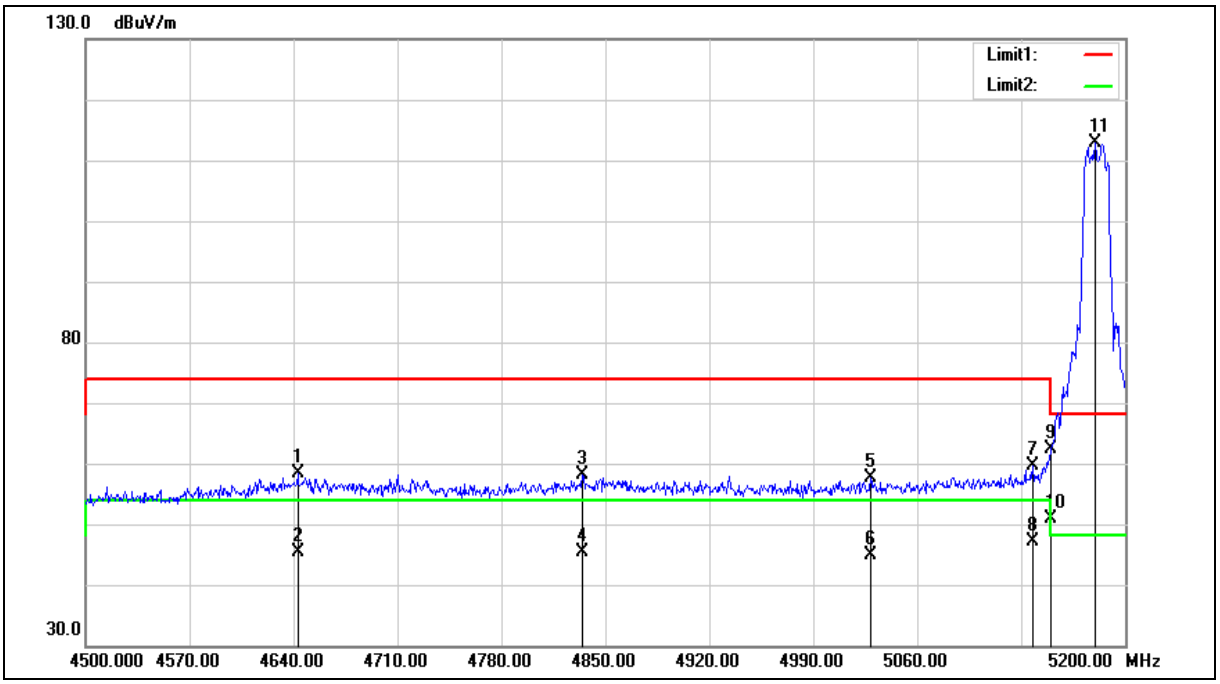
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4664.500	53.03	5.60	58.63	74.00	-15.37	peak
2	4664.500	39.78	5.60	45.38	54.00	-8.62	AVG
3	4750.600	52.34	5.78	58.12	74.00	-15.88	peak
4	4750.600	39.31	5.78	45.09	54.00	-8.91	AVG
5	4977.400	51.86	6.27	58.13	74.00	-15.87	peak
6	4977.400	38.96	6.27	45.23	54.00	-8.77	AVG
7	5107.600	52.45	6.64	59.09	74.00	-14.91	peak
8	5107.600	40.01	6.64	46.65	54.00	-7.35	AVG
9	5141.200	56.54	6.73	63.27	74.00	-10.73	peak
10	5141.200	42.44	6.73	49.17	54.00	-4.83	AVG
11	5146.100	58.27	6.75	65.02	74.00	-8.98	peak
12	5146.100	43.71	6.75	50.46	54.00	-3.54	AVG
13	5150.000	61.67	6.76	68.43	74.00	-5.57	peak
14	5150.000	45.77	6.76	52.53	54.00	-1.47	AVG
15	5174.100	107.25	6.82	114.07	--	--	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:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

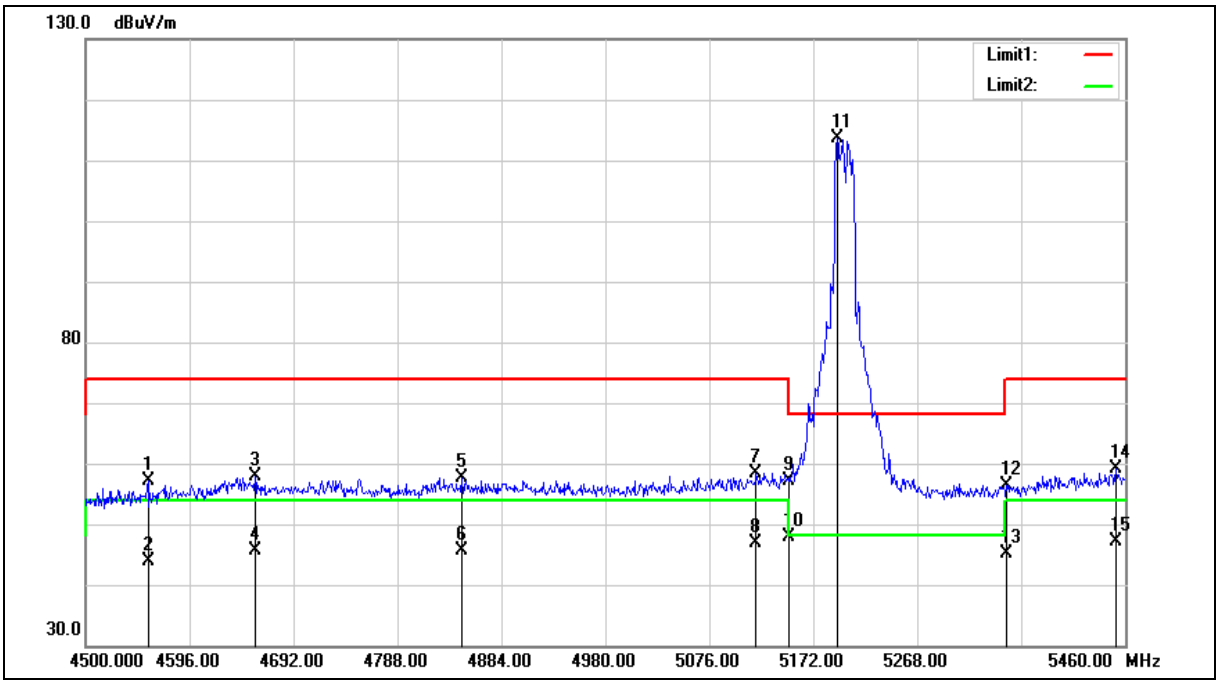
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4642.800	52.80	5.56	58.36	74.00	-15.64	peak
2	4642.800	39.88	5.56	45.44	54.00	-8.56	AVG
3	4834.600	52.14	5.97	58.11	74.00	-15.89	peak
4	4834.600	39.32	5.97	45.29	54.00	-8.71	AVG
5	5028.500	51.13	6.39	57.52	74.00	-16.48	peak
6	5028.500	38.53	6.39	44.92	54.00	-9.08	AVG
7	5137.700	52.88	6.72	59.60	74.00	-14.40	peak
8	5137.700	40.38	6.72	47.10	54.00	-6.90	AVG
9	5150.000	55.63	6.76	62.39	74.00	-11.61	peak
10	5150.000	44.08	6.76	50.84	54.00	-3.16	AVG
11	5179.700	105.93	6.85	112.78	--	--	peak

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

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

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

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

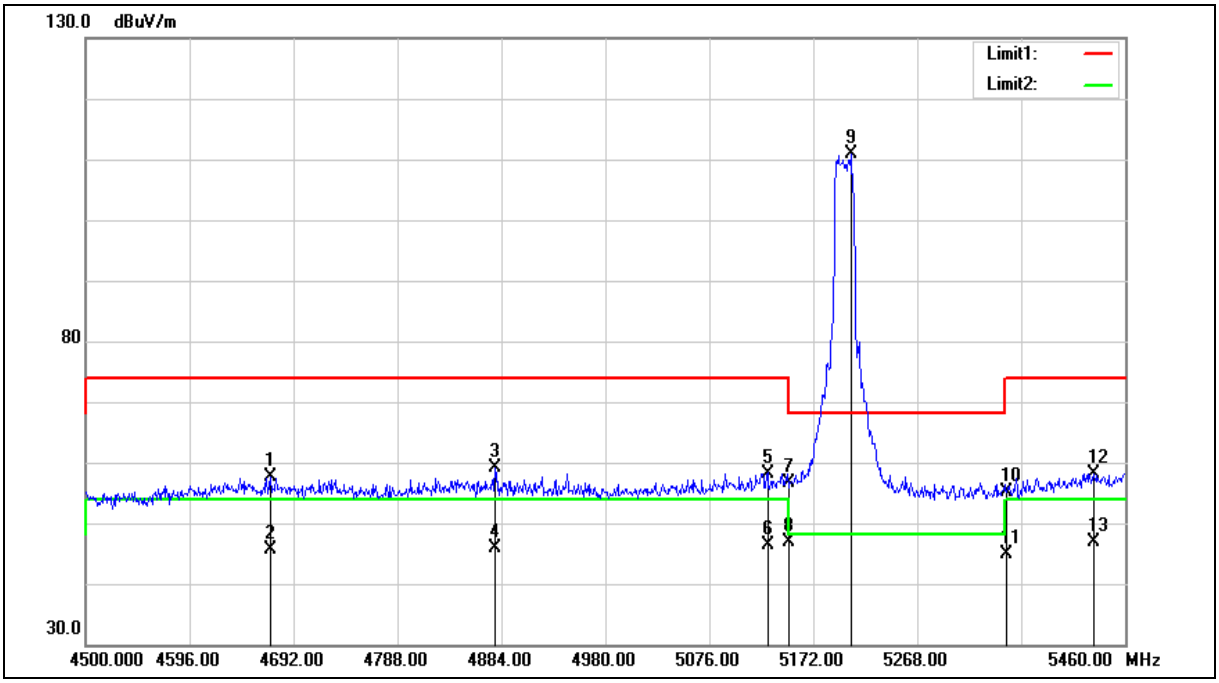
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4557.600	51.80	5.38	57.18	74.00	-16.82	peak
2	4557.600	38.50	5.38	43.88	54.00	-10.12	AVG
3	4656.480	52.27	5.58	57.85	74.00	-16.15	peak
4	4656.480	40.02	5.58	45.60	54.00	-8.40	AVG
5	4847.520	51.70	5.99	57.69	74.00	-16.31	peak
6	4847.520	39.71	5.99	45.70	54.00	-8.30	AVG
7	5119.200	51.59	6.67	58.26	74.00	-15.74	peak
8	5119.200	40.18	6.67	46.85	54.00	-7.15	AVG
9	5150.000	50.38	6.76	57.14	74.00	-16.86	peak
10	5150.000	41.13	6.76	47.89	54.00	-6.11	AVG
11	5194.080	106.78	6.88	113.66	--	--	peak
12	5350.000	49.14	7.35	56.49	74.00	-17.51	peak
13	5350.000	37.83	7.35	45.18	54.00	-8.82	AVG
14	5451.360	51.51	7.66	59.17	74.00	-14.83	peak
15	5451.360	39.56	7.66	47.22	54.00	-6.78	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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

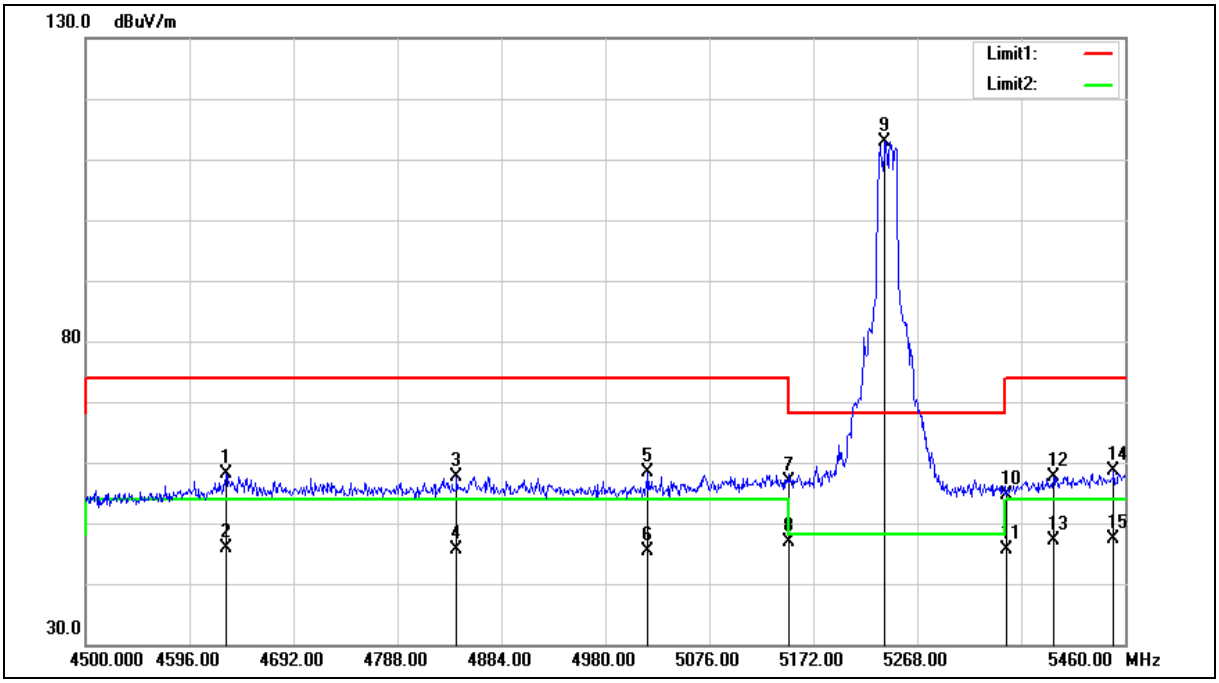
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4670.880	51.90	5.62	57.52	74.00	-16.48	peak
2	4670.880	39.96	5.62	45.58	54.00	-8.42	AVG
3	4878.240	53.19	6.05	59.24	74.00	-14.76	peak
4	4878.240	39.79	6.05	45.84	54.00	-8.16	AVG
5	5129.760	51.55	6.70	58.25	74.00	-15.75	peak
6	5129.760	39.64	6.70	46.34	54.00	-7.66	AVG
7	5150.000	49.82	6.76	56.58	74.00	-17.42	peak
8	5150.000	40.17	6.76	46.93	54.00	-7.07	AVG
9	5206.560	103.89	6.93	110.82	--	--	peak
10	5350.000	47.90	7.35	55.25	74.00	-18.75	peak
11	5350.000	37.59	7.35	44.94	54.00	-9.06	AVG
12	5431.200	50.59	7.60	58.19	74.00	-15.81	peak
13	5431.200	39.27	7.60	46.87	54.00	-7.13	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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

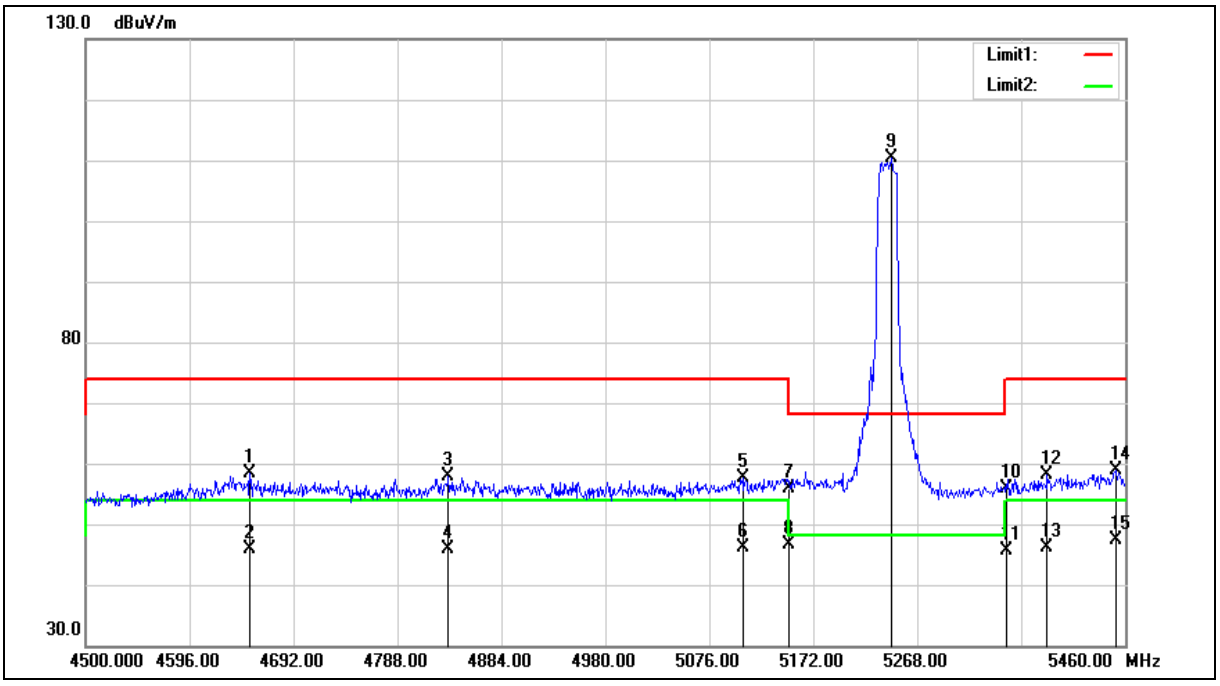
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4629.600	52.61	5.53	58.14	74.00	-15.86	peak
2	4629.600	40.34	5.53	45.87	54.00	-8.13	AVG
3	4842.720	51.70	5.98	57.68	74.00	-16.32	peak
4	4842.720	39.75	5.98	45.73	54.00	-8.27	AVG
5	5019.360	52.02	6.37	58.39	74.00	-15.61	peak
6	5019.360	38.95	6.37	45.32	54.00	-8.68	AVG
7	5150.000	50.14	6.76	56.90	74.00	-17.10	peak
8	5150.000	40.23	6.76	46.99	54.00	-7.01	AVG
9	5238.240	105.93	7.02	112.95	--	--	peak
10	5350.000	47.20	7.35	54.55	74.00	-19.45	peak
11	5350.000	38.32	7.35	45.67	54.00	-8.33	AVG
12	5393.760	50.23	7.48	57.71	74.00	-16.29	peak
13	5393.760	39.57	7.48	47.05	54.00	-6.95	AVG
14	5449.440	51.10	7.65	58.75	74.00	-15.25	peak
15	5449.440	39.67	7.65	47.32	54.00	-6.68	AVG

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

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

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

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

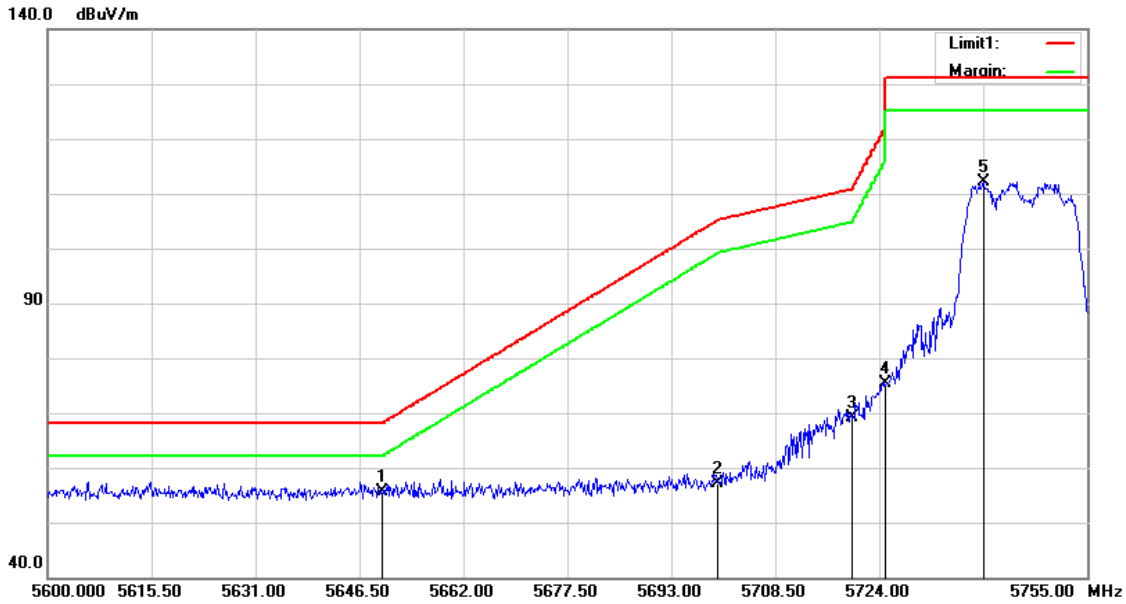
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4651.680	52.73	5.57	58.30	74.00	-15.70	peak
2	4651.680	40.24	5.57	45.81	54.00	-8.19	AVG
3	4835.040	51.89	5.97	57.86	74.00	-16.14	peak
4	4835.040	39.97	5.97	45.94	54.00	-8.06	AVG
5	5106.720	50.99	6.63	57.62	74.00	-16.38	peak
6	5106.720	39.45	6.63	46.08	54.00	-7.92	AVG
7	5150.000	49.11	6.76	55.87	74.00	-18.13	peak
8	5150.000	39.95	6.76	46.71	54.00	-7.29	AVG
9	5244.000	103.31	7.03	110.34	--	--	peak
10	5350.000	48.59	7.35	55.94	74.00	-18.06	peak
11	5350.000	38.24	7.35	45.59	54.00	-8.41	AVG
12	5388.000	50.66	7.46	58.12	74.00	-15.88	peak
13	5388.000	38.64	7.46	46.10	54.00	-7.90	AVG
14	5451.360	51.29	7.66	58.95	74.00	-15.05	peak
15	5451.360	39.62	7.66	47.28	54.00	-6.72	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



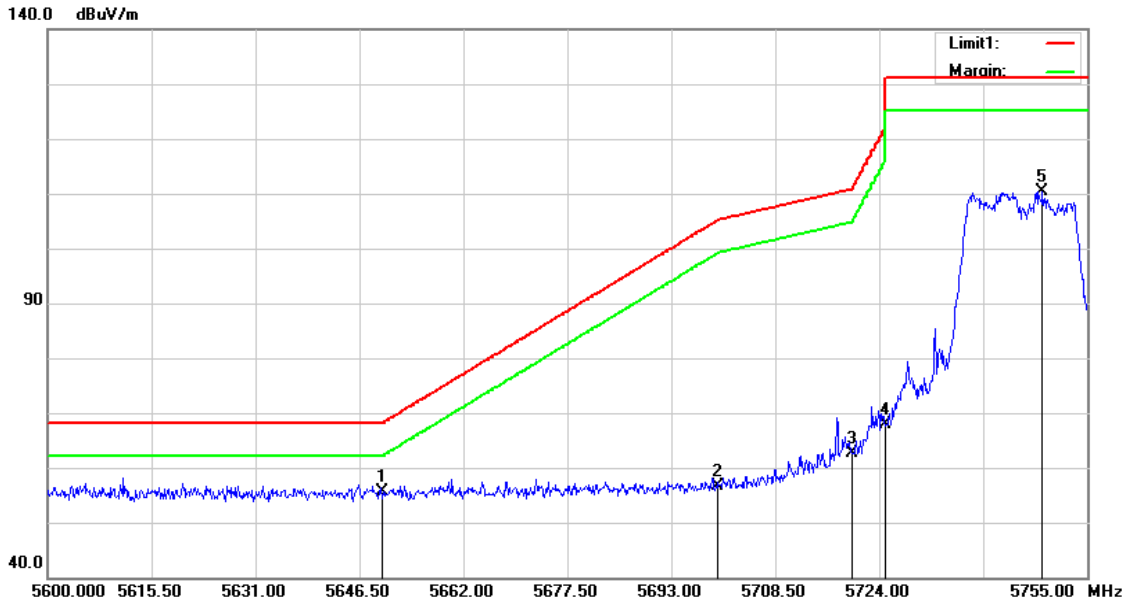
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.49	8.03	55.52	68.20	-12.68	peak
2	5700.000	49.09	8.10	57.19	105.20	-48.01	peak
3	5720.000	60.91	8.13	69.04	110.80	-41.76	peak
4	5725.000	67.16	8.14	75.30	122.20	-46.90	peak
5	5739.500	103.87	8.16	112.03	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



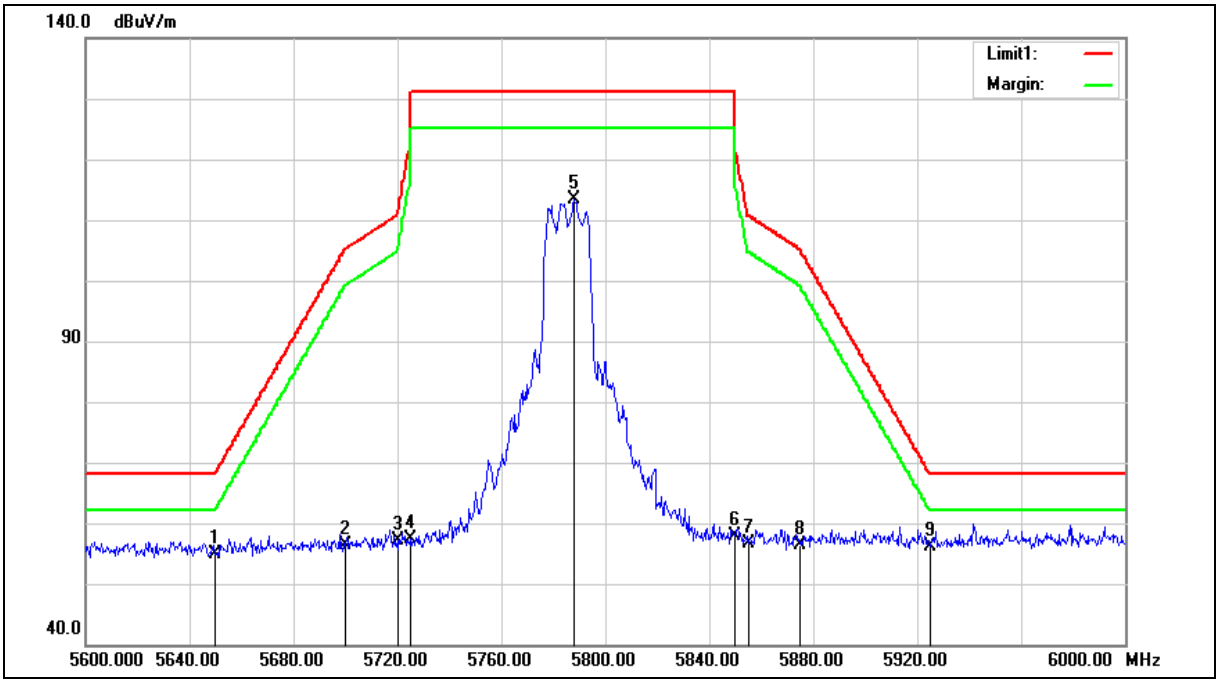
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.68	8.03	55.71	68.20	-12.49	peak
2	5700.000	48.65	8.10	56.75	105.20	-48.45	peak
3	5720.000	54.60	8.13	62.73	110.80	-48.07	peak
4	5725.000	59.65	8.14	67.79	122.20	-54.41	peak
5	5748.335	102.25	8.17	110.42	--	--	peak

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

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

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

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

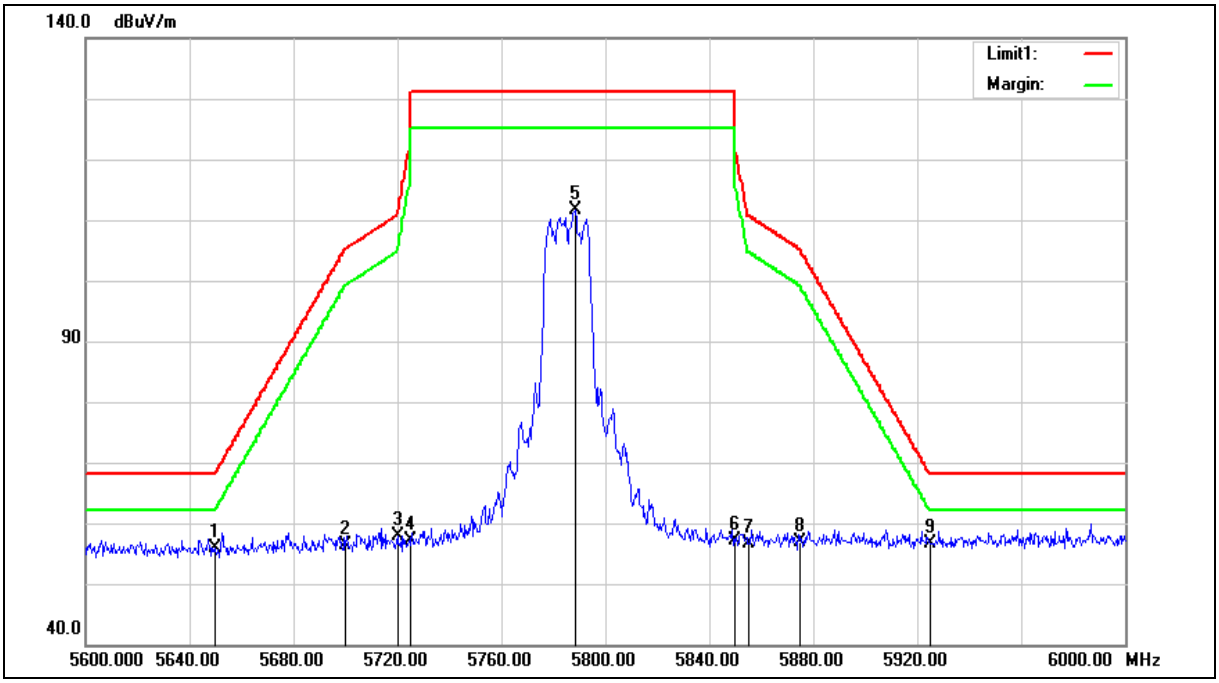
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.85	8.03	54.88	68.20	-13.32	peak
2	5700.000	48.19	8.10	56.29	105.20	-48.91	peak
3	5720.000	49.04	8.13	57.17	110.80	-53.63	peak
4	5725.000	49.34	8.14	57.48	122.20	-64.72	peak
5	5788.000	105.21	8.24	113.45	--	--	peak
6	5850.000	49.66	8.32	57.98	122.20	-64.22	peak
7	5855.000	48.41	8.33	56.74	110.80	-54.06	peak
8	5875.000	48.14	8.36	56.50	105.20	-48.70	peak
9	5925.000	47.60	8.44	56.04	68.20	-12.16	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:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

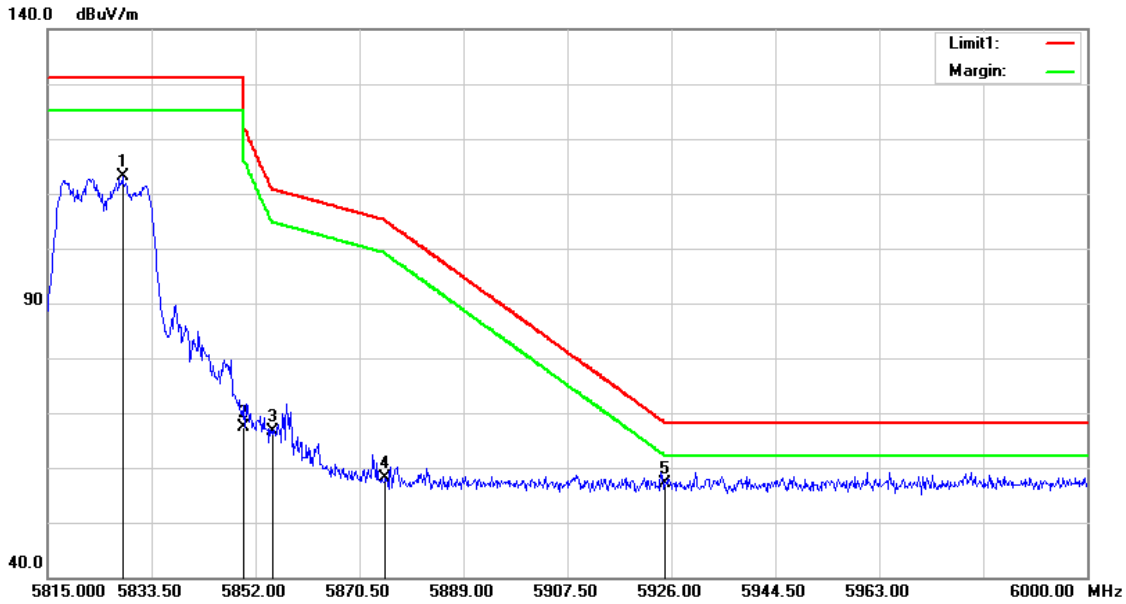
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.84	8.03	55.87	68.20	-12.33	peak
2	5700.000	48.26	8.10	56.36	105.20	-48.84	peak
3	5720.000	49.63	8.13	57.76	110.80	-53.04	peak
4	5725.000	49.00	8.14	57.14	122.20	-65.06	peak
5	5788.400	103.28	8.24	111.52	--	--	peak
6	5850.000	48.85	8.32	57.17	122.20	-65.03	peak
7	5855.000	48.20	8.33	56.53	110.80	-54.27	peak
8	5875.000	48.44	8.36	56.80	105.20	-48.40	peak
9	5925.000	48.14	8.44	56.58	68.20	-11.62	peak

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

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

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

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



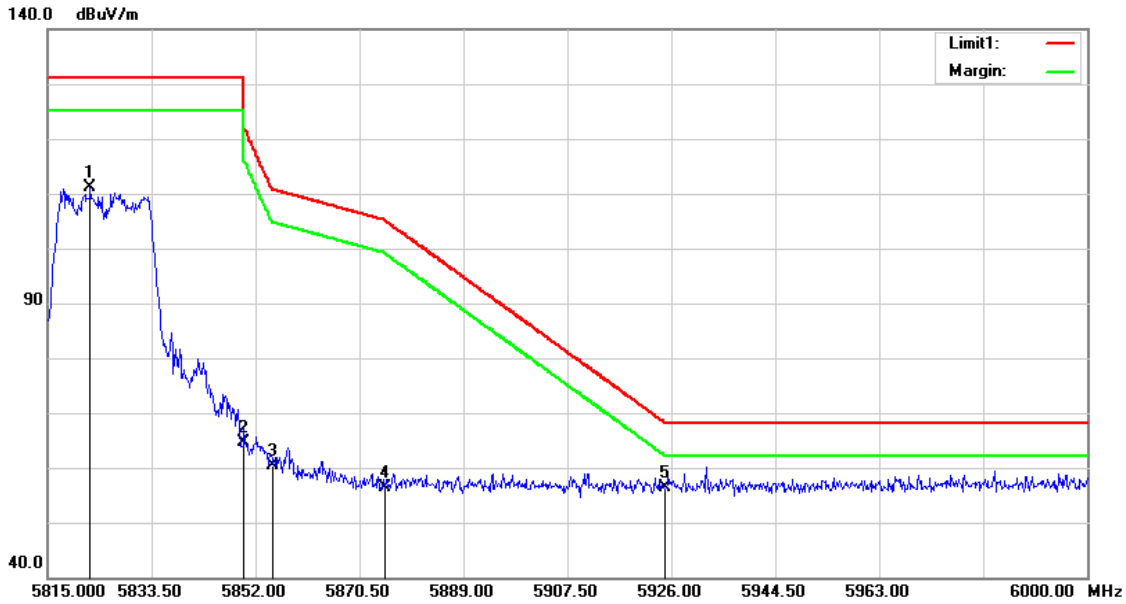
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5828.320	104.75	8.29	113.04	--	--	peak
2	5850.000	59.05	8.32	67.37	122.20	-54.83	peak
3	5855.000	58.33	8.33	66.66	110.80	-44.14	peak
4	5875.000	49.83	8.36	58.19	105.20	-47.01	peak
5	5925.000	48.66	8.44	57.10	68.20	-11.10	peak

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

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

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

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



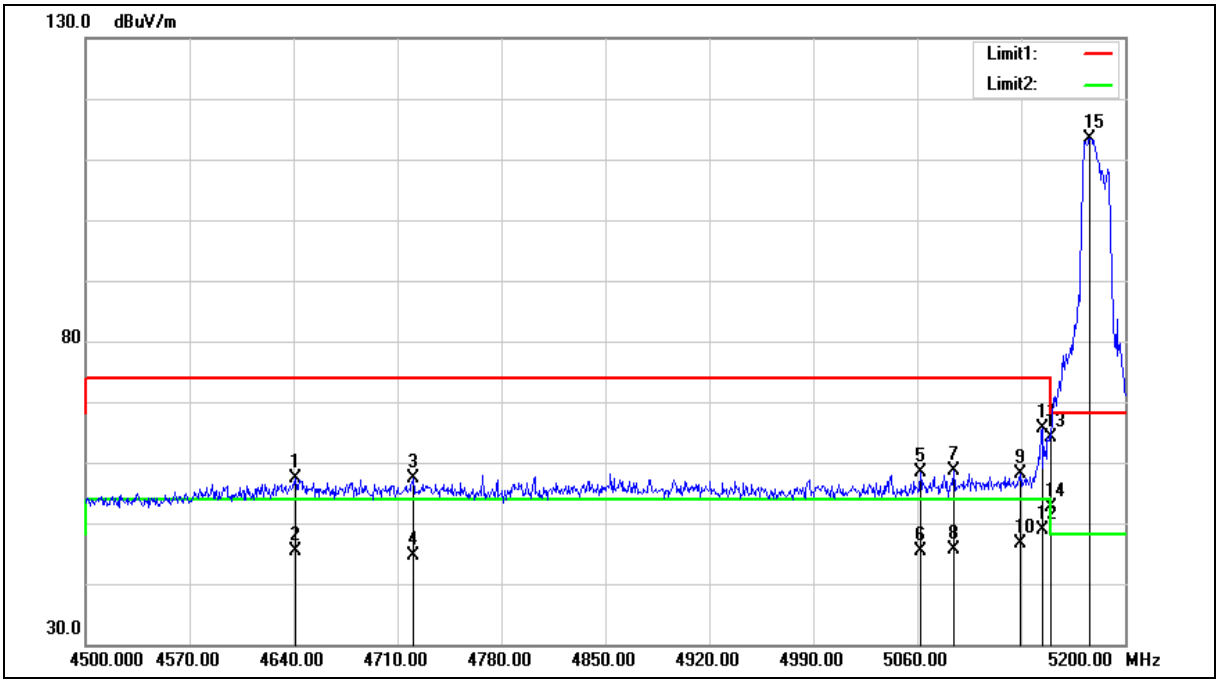
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5822.585	102.86	8.28	111.14	--	--	peak
2	5850.000	56.25	8.32	64.57	122.20	-57.63	peak
3	5855.000	52.17	8.33	60.50	110.80	-50.30	peak
4	5875.000	48.05	8.36	56.41	105.20	-48.79	peak
5	5925.000	48.03	8.44	56.47	68.20	-11.73	peak

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

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

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

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

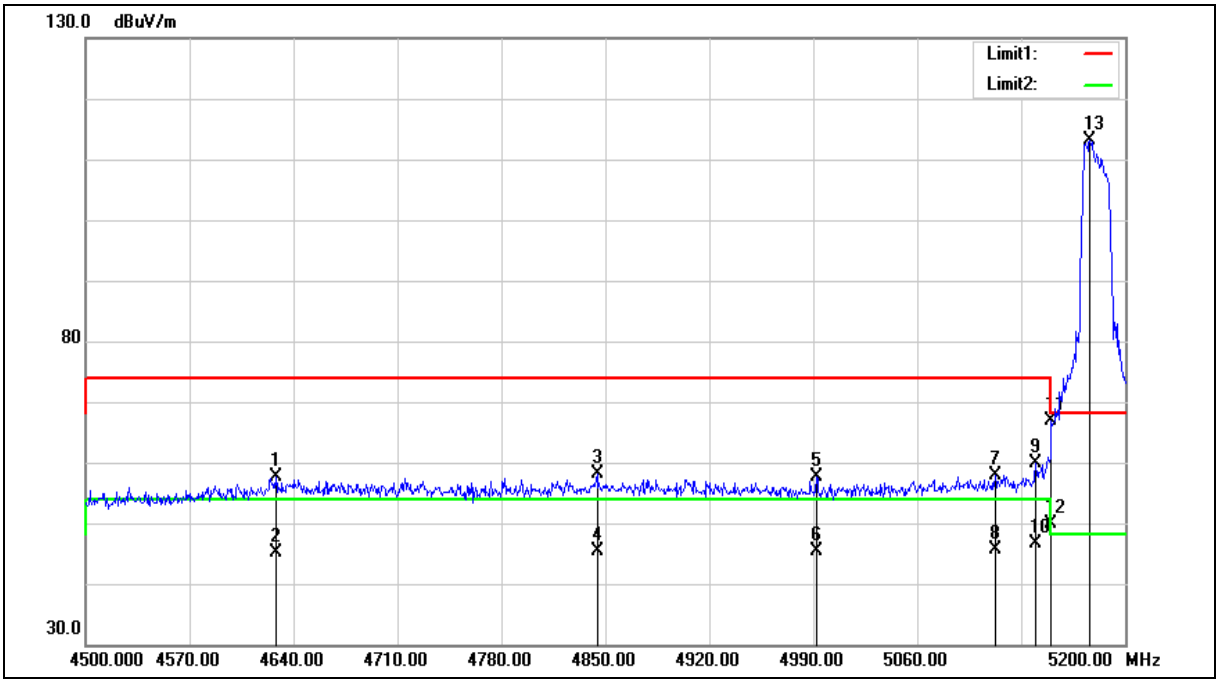
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4641.400	51.85	5.56	57.41	74.00	-16.59	peak
2	4641.400	39.92	5.56	45.48	54.00	-8.52	AVG
3	4720.500	51.74	5.73	57.47	74.00	-16.53	peak
4	4720.500	38.88	5.73	44.61	54.00	-9.39	AVG
5	5062.100	51.78	6.49	58.27	74.00	-15.73	peak
6	5062.100	38.89	6.49	45.38	54.00	-8.62	AVG
7	5084.500	51.95	6.56	58.51	74.00	-15.49	peak
8	5084.500	39.10	6.56	45.66	54.00	-8.34	AVG
9	5129.300	51.49	6.70	58.19	74.00	-15.81	peak
10	5129.300	40.02	6.70	46.72	54.00	-7.28	AVG
11	5144.000	58.95	6.74	65.69	74.00	-8.31	peak
12	5144.000	42.12	6.74	48.86	54.00	-5.14	AVG
13	5150.000	57.30	6.76	64.06	74.00	-9.94	peak
14	5150.000	45.78	6.76	52.54	54.00	-1.46	AVG
15	5176.200	106.61	6.84	113.45	--	--	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:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

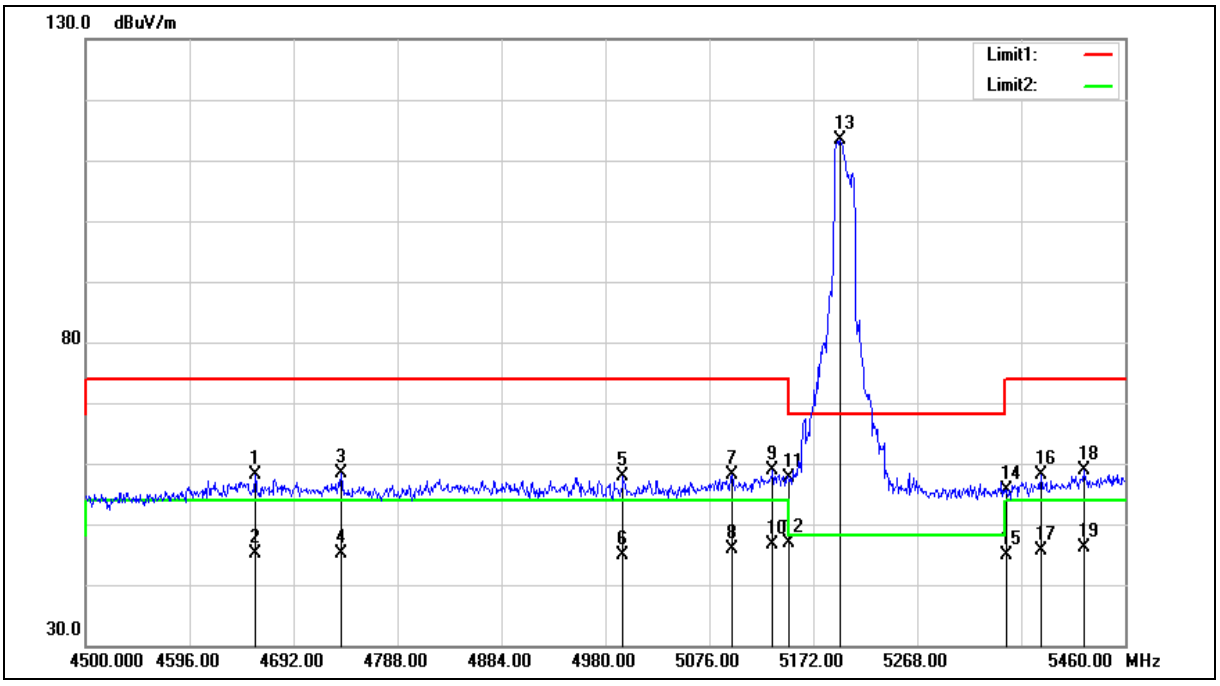
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4628.100	51.99	5.52	57.51	74.00	-16.49	peak
2	4628.100	39.53	5.52	45.05	54.00	-8.95	AVG
3	4844.400	52.17	5.99	58.16	74.00	-15.84	peak
4	4844.400	39.32	5.99	45.31	54.00	-8.69	AVG
5	4992.100	51.46	6.29	57.75	74.00	-16.25	peak
6	4992.100	39.06	6.29	45.35	54.00	-8.65	AVG
7	5112.500	51.23	6.65	57.88	74.00	-16.12	peak
8	5112.500	38.99	6.65	45.64	54.00	-8.36	AVG
9	5139.800	53.11	6.73	59.84	74.00	-14.16	peak
10	5139.800	40.00	6.73	46.73	54.00	-7.27	AVG
11	5150.000	60.23	6.76	66.99	74.00	-7.01	peak
12	5150.000	43.17	6.76	49.93	54.00	-4.07	AVG
13	5176.200	106.24	6.84	113.08	--	--	peak

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

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

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

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

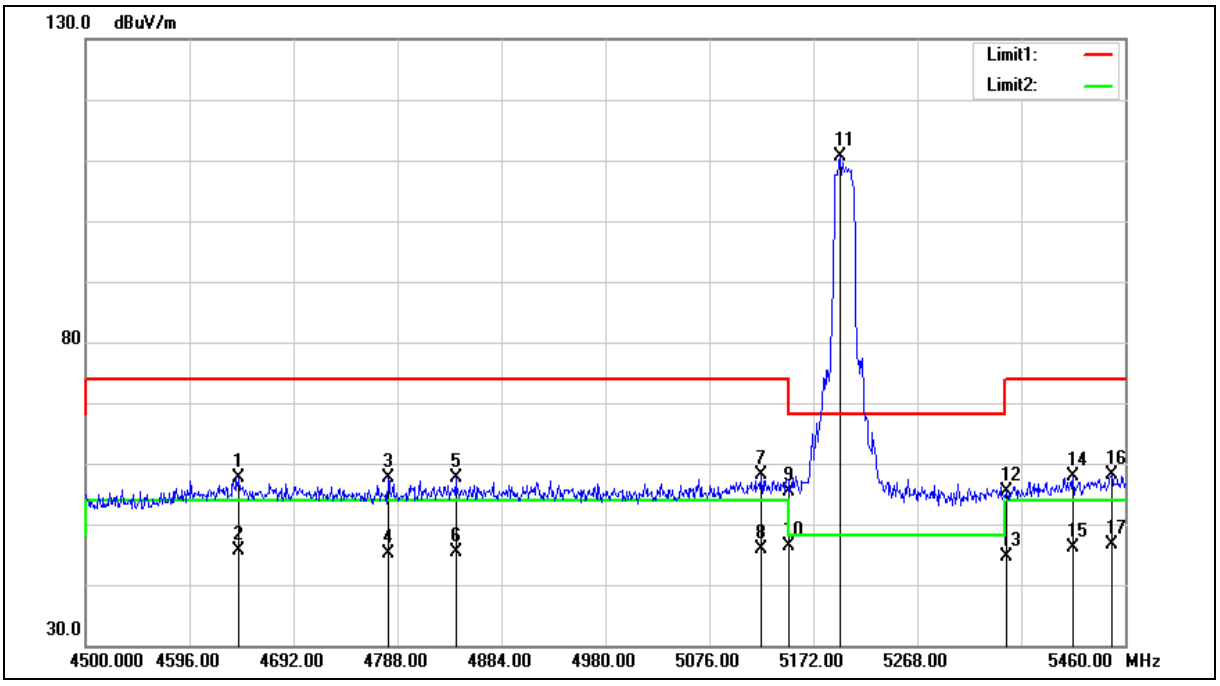
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4656.480	52.56	5.58	58.14	74.00	-15.86	peak
2	4656.480	39.51	5.58	45.09	54.00	-8.91	AVG
3	4736.160	52.51	5.75	58.26	74.00	-15.74	peak
4	4736.160	39.35	5.75	45.10	54.00	-8.90	AVG
5	4996.320	51.70	6.30	58.00	74.00	-16.00	peak
6	4996.320	38.57	6.30	44.87	54.00	-9.13	AVG
7	5097.120	51.61	6.61	58.22	74.00	-15.78	peak
8	5097.120	39.37	6.61	45.98	54.00	-8.02	AVG
9	5134.560	52.28	6.71	58.99	74.00	-15.01	peak
10	5134.560	39.90	6.71	46.61	54.00	-7.39	AVG
11	5150.000	50.76	6.76	57.52	74.00	-16.48	peak
12	5150.000	40.10	6.76	46.86	54.00	-7.14	AVG
13	5196.960	106.49	6.90	113.39	--	--	peak
14	5350.000	48.19	7.35	55.54	74.00	-18.46	peak
15	5350.000	37.64	7.35	44.99	54.00	-9.01	AVG
16	5382.240	50.63	7.44	58.07	74.00	-15.93	peak
17	5382.240	38.25	7.44	45.69	54.00	-8.31	AVG
18	5421.600	51.32	7.57	58.89	74.00	-15.11	peak
19	5421.600	38.59	7.57	46.16	54.00	-7.84	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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

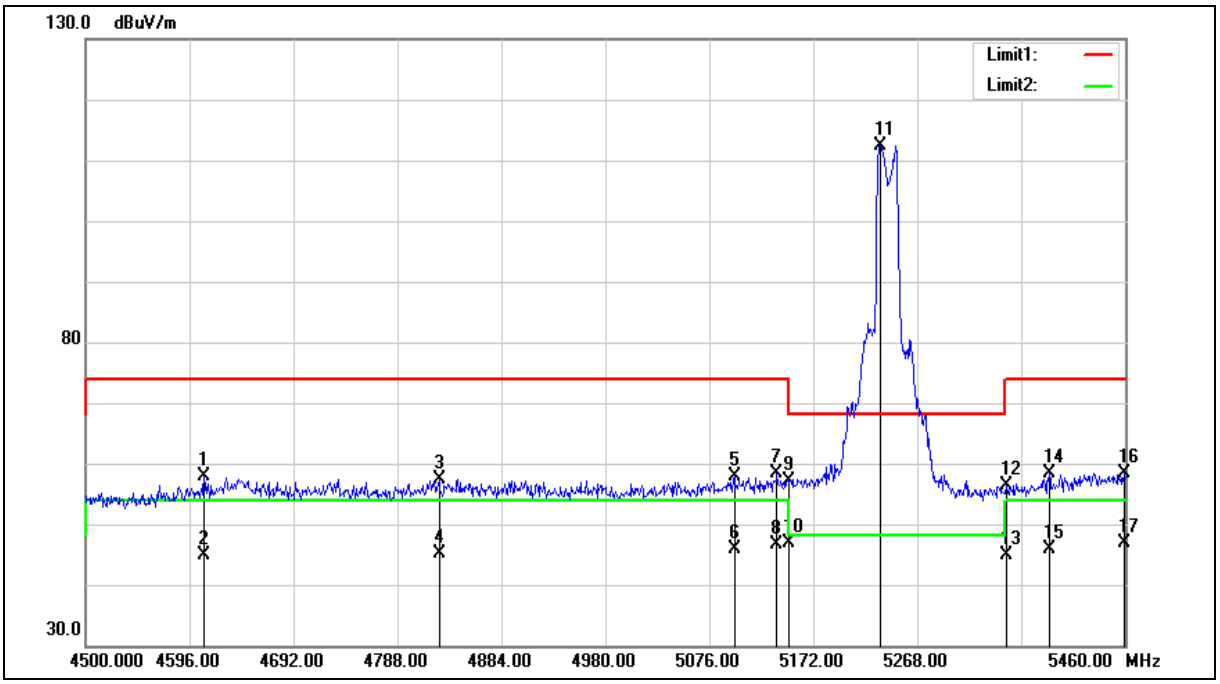
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4641.120	52.08	5.56	57.64	74.00	-16.36	peak
2	4641.120	40.18	5.56	45.74	54.00	-8.26	AVG
3	4779.360	51.67	5.84	57.51	74.00	-16.49	peak
4	4779.360	39.26	5.84	45.10	54.00	-8.90	AVG
5	4841.760	51.65	5.98	57.63	74.00	-16.37	peak
6	4841.760	39.50	5.98	45.48	54.00	-8.52	AVG
7	5124.000	51.49	6.68	58.17	74.00	-15.83	peak
8	5124.000	39.23	6.68	45.91	54.00	-8.09	AVG
9	5150.000	48.57	6.76	55.33	74.00	-18.67	peak
10	5150.000	39.57	6.76	46.33	54.00	-7.67	AVG
11	5196.960	103.82	6.90	110.72	--	--	peak
12	5350.000	48.04	7.35	55.39	74.00	-18.61	peak
13	5350.000	37.39	7.35	44.74	54.00	-9.26	AVG
14	5412.000	50.36	7.53	57.89	74.00	-16.11	peak
15	5412.000	38.62	7.53	46.15	54.00	-7.85	AVG
16	5447.520	50.44	7.65	58.09	74.00	-15.91	peak
17	5447.520	39.03	7.65	46.68	54.00	-7.32	AVG

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

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

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

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

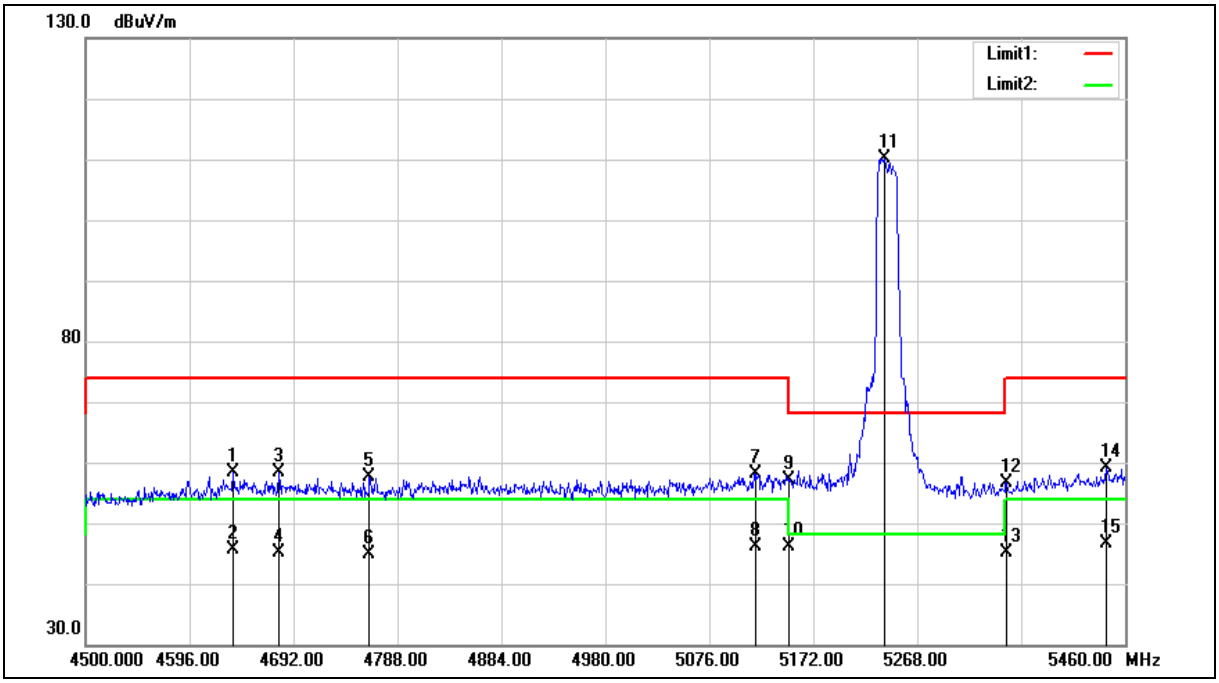
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4609.440	52.44	5.48	57.92	74.00	-16.08	peak
2	4609.440	39.29	5.48	44.77	54.00	-9.23	AVG
3	4826.400	51.49	5.94	57.43	74.00	-16.57	peak
4	4826.400	39.23	5.94	45.17	54.00	-8.83	AVG
5	5099.040	51.30	6.61	57.91	74.00	-16.09	peak
6	5099.040	39.30	6.61	45.91	54.00	-8.09	AVG
7	5138.400	51.73	6.73	58.46	74.00	-15.54	peak
8	5138.400	39.78	6.73	46.51	54.00	-7.49	AVG
9	5150.000	50.42	6.76	57.18	74.00	-16.82	peak
10	5150.000	40.13	6.76	46.89	54.00	-7.11	AVG
11	5233.440	105.43	7.00	112.43	--	--	peak
12	5350.000	48.97	7.35	56.32	74.00	-17.68	peak
13	5350.000	37.59	7.35	44.94	54.00	-9.06	AVG
14	5389.920	50.98	7.47	58.45	74.00	-15.55	peak
15	5389.920	38.45	7.47	45.92	54.00	-8.08	AVG
16	5459.040	50.80	7.68	58.48	74.00	-15.52	peak
17	5459.040	39.28	7.68	46.96	54.00	-7.04	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:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

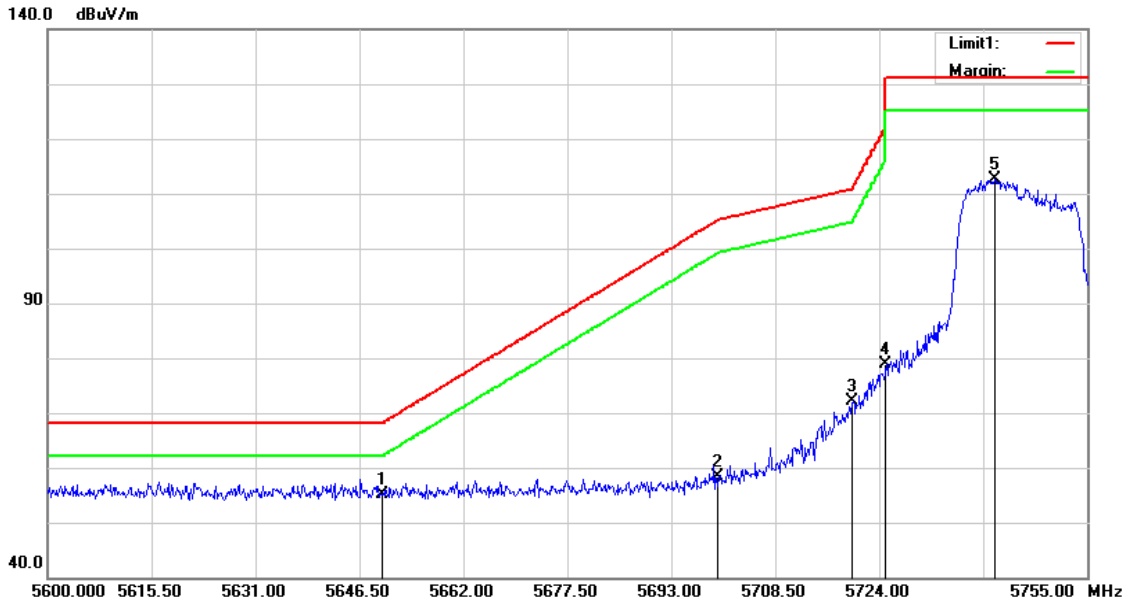
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4636.320	52.88	5.55	58.43	74.00	-15.57	peak
2	4636.320	40.17	5.55	45.72	54.00	-8.28	AVG
3	4678.560	52.74	5.63	58.37	74.00	-15.63	peak
4	4678.560	39.41	5.63	45.04	54.00	-8.96	AVG
5	4762.080	51.85	5.81	57.66	74.00	-16.34	peak
6	4762.080	39.03	5.81	44.84	54.00	-9.16	AVG
7	5118.240	51.49	6.67	58.16	74.00	-15.84	peak
8	5118.240	39.36	6.67	46.03	54.00	-7.97	AVG
9	5150.000	50.43	6.76	57.19	74.00	-16.81	peak
10	5150.000	39.31	6.76	46.07	54.00	-7.93	AVG
11	5237.280	103.20	7.02	110.22	--	--	peak
12	5350.000	49.22	7.35	56.57	74.00	-17.43	peak
13	5350.000	37.73	7.35	45.08	54.00	-8.92	AVG
14	5442.720	51.45	7.63	59.08	74.00	-14.92	peak
15	5442.720	38.96	7.63	46.59	54.00	-7.41	AVG

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

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

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

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



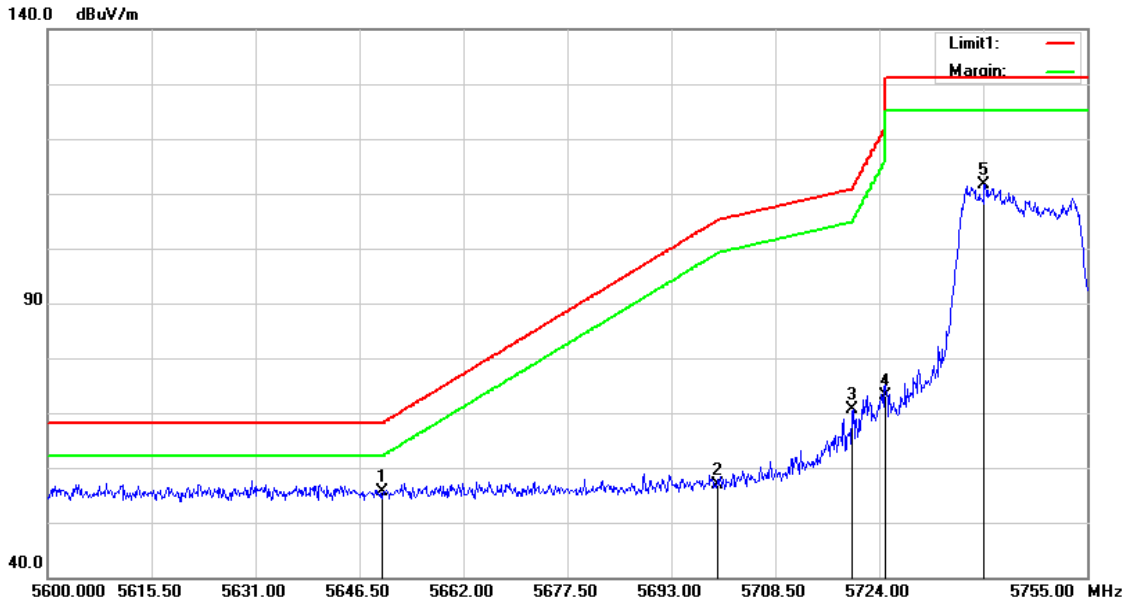
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.05	8.03	55.08	68.20	-13.12	peak
2	5700.000	50.39	8.10	58.49	105.20	-46.71	peak
3	5720.000	64.12	8.13	72.25	110.80	-38.55	peak
4	5725.000	70.82	8.14	78.96	122.20	-43.24	peak
5	5741.205	104.44	8.16	112.60	--	--	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:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



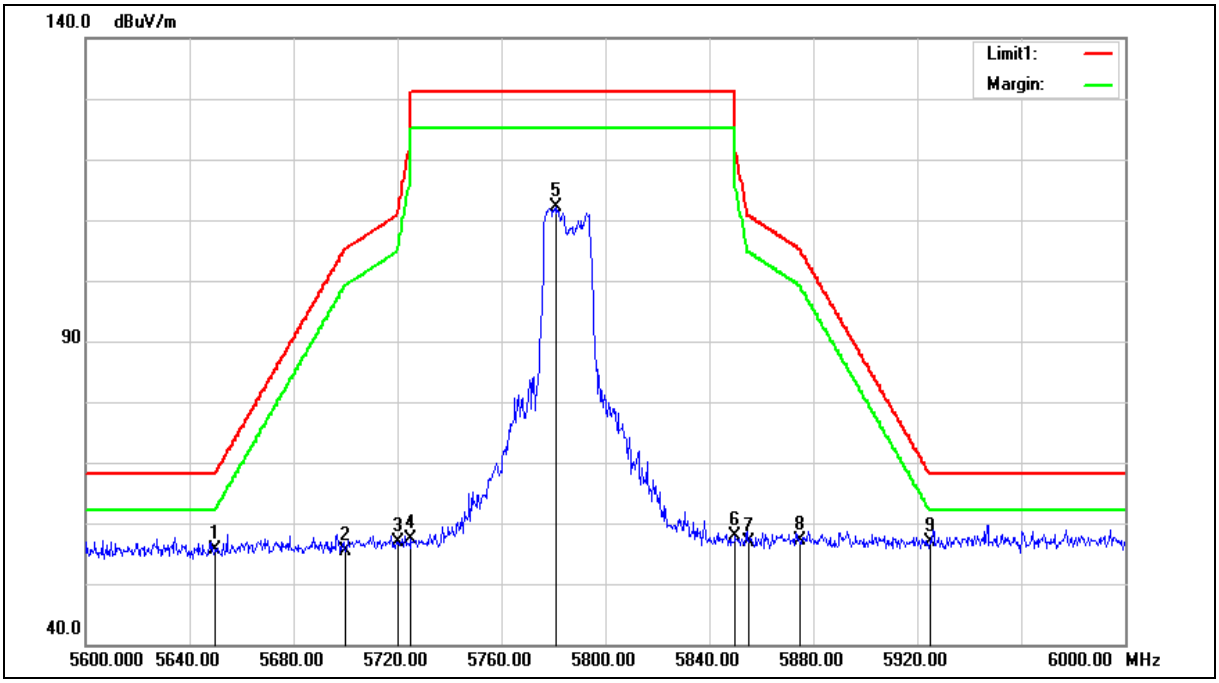
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.59	8.03	55.62	68.20	-12.58	peak
2	5700.000	48.75	8.10	56.85	105.20	-48.35	peak
3	5720.000	62.54	8.13	70.67	110.80	-40.13	peak
4	5725.000	64.90	8.14	73.04	122.20	-49.16	peak
5	5739.655	103.39	8.16	111.55	--	--	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:	5785 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

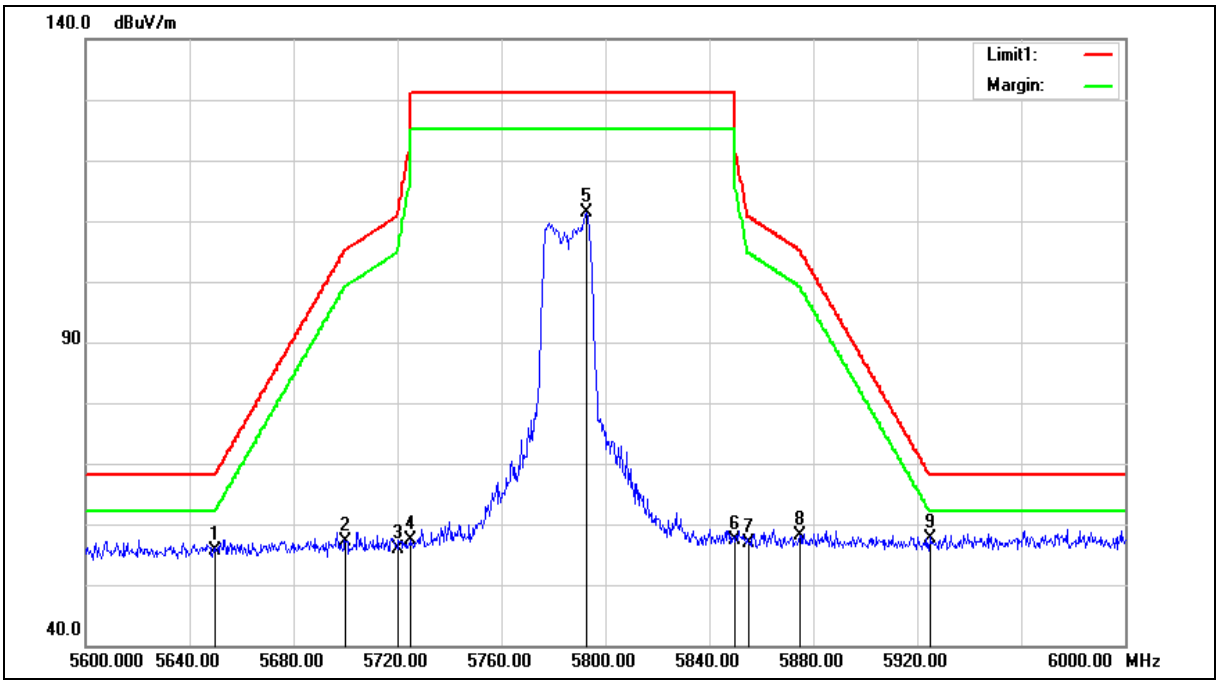
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.50	8.03	55.53	68.20	-12.67	peak
2	5700.000	47.40	8.10	55.50	105.20	-49.70	peak
3	5720.000	48.63	8.13	56.76	110.80	-54.04	peak
4	5725.000	49.24	8.14	57.38	122.20	-64.82	peak
5	5781.200	103.90	8.22	112.12	--	--	peak
6	5850.000	49.57	8.32	57.89	122.20	-64.31	peak
7	5855.000	48.63	8.33	56.96	110.80	-53.84	peak
8	5875.000	48.82	8.36	57.18	105.20	-48.02	peak
9	5925.000	48.44	8.44	56.88	68.20	-11.32	peak

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

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

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

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

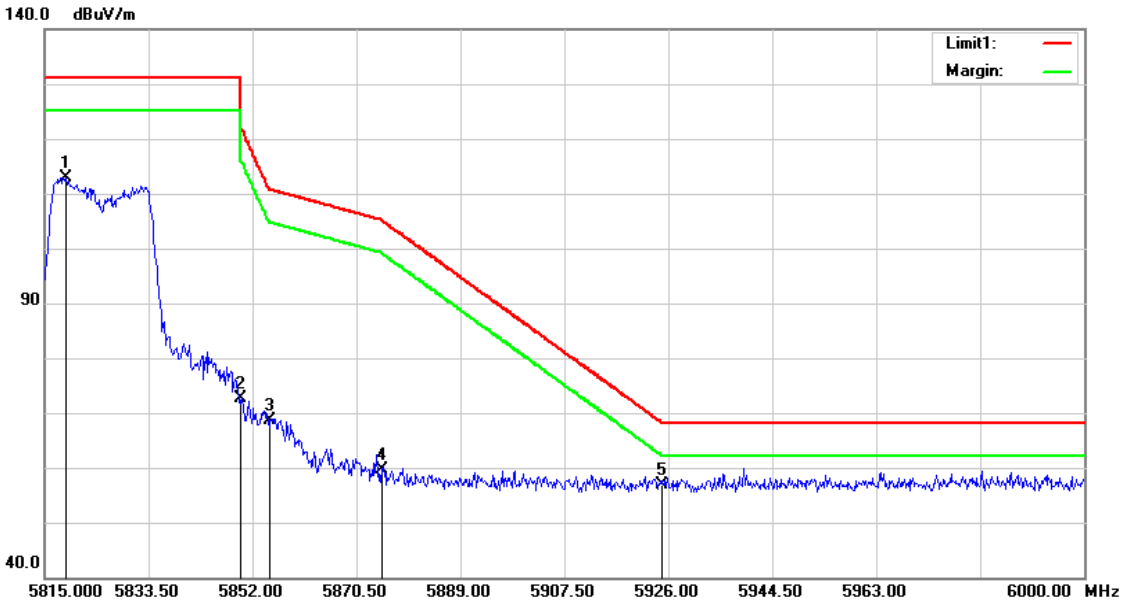
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.53	8.03	55.56	68.20	-12.64	peak
2	5700.000	48.95	8.10	57.05	105.20	-48.15	peak
3	5720.000	47.81	8.13	55.94	110.80	-54.86	peak
4	5725.000	49.30	8.14	57.44	122.20	-64.76	peak
5	5792.800	103.06	8.24	111.30	--	--	peak
6	5850.000	48.97	8.32	57.29	122.20	-64.91	peak
7	5855.000	48.60	8.33	56.93	110.80	-53.87	peak
8	5875.000	49.78	8.36	58.14	105.20	-47.06	peak
9	5925.000	49.26	8.44	57.70	68.20	-10.50	peak

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

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

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

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



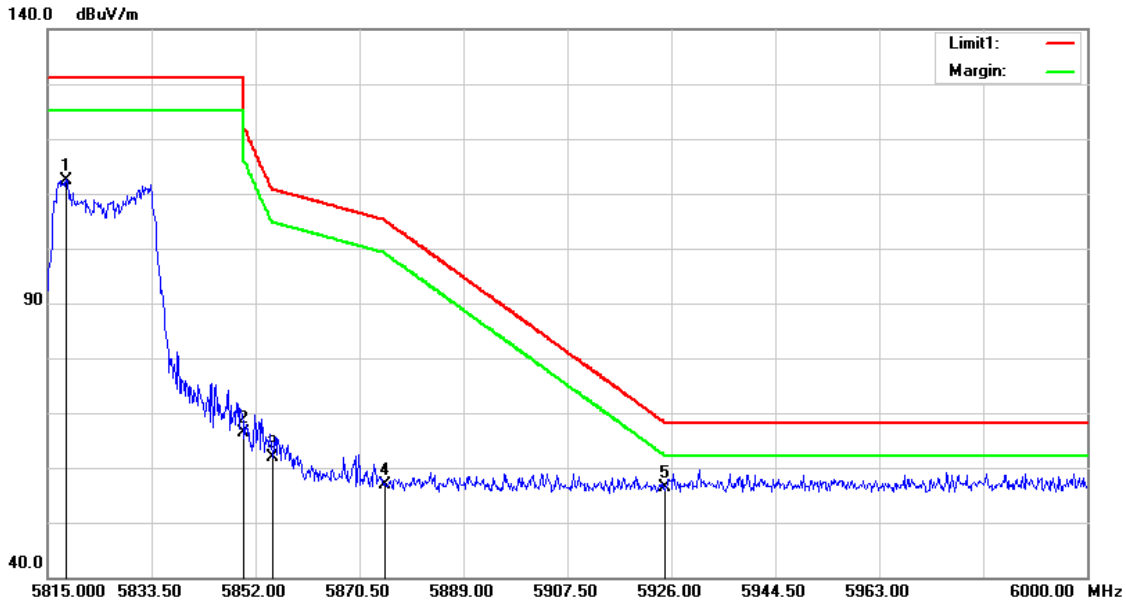
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5818.885	104.70	8.28	112.98	--	--	peak
2	5850.000	64.40	8.32	72.72	122.20	-49.48	peak
3	5855.000	60.29	8.33	68.62	110.80	-42.18	peak
4	5875.000	51.33	8.36	59.69	105.20	-45.51	peak
5	5925.000	48.33	8.44	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



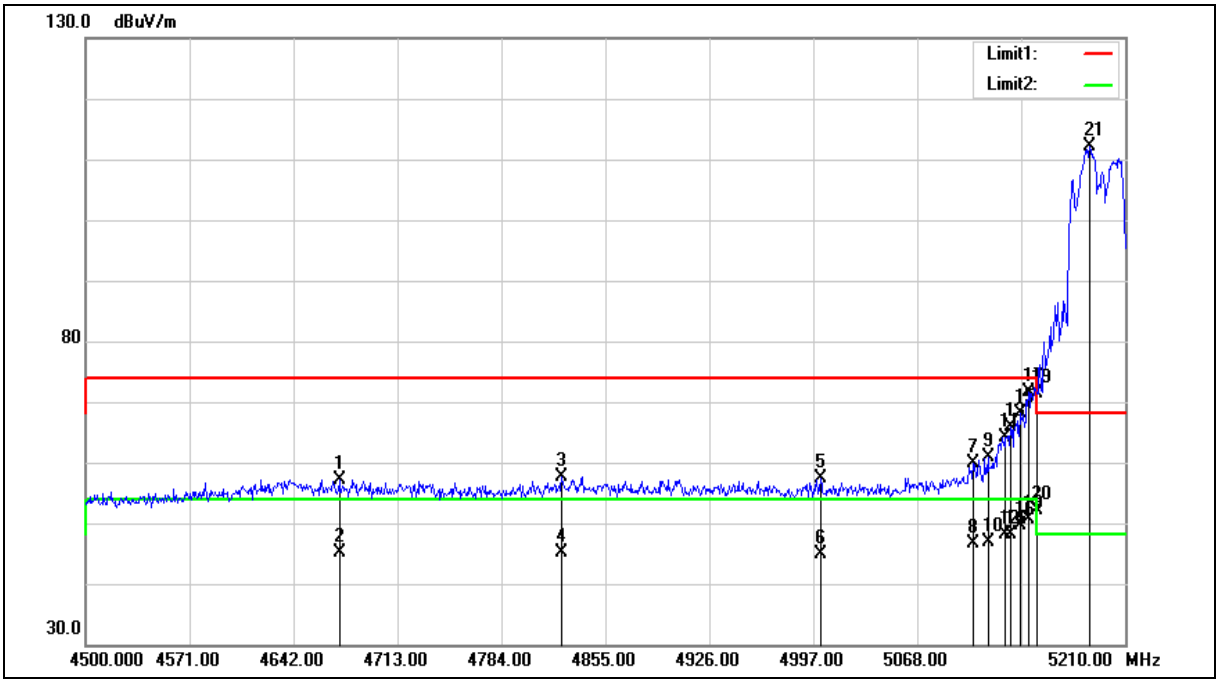
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5818.330	104.22	8.28	112.50	--	--	peak
2	5850.000	57.97	8.32	66.29	122.20	-55.91	peak
3	5855.000	53.62	8.33	61.95	110.80	-48.85	peak
4	5875.000	48.51	8.36	56.87	105.20	-48.33	peak
5	5925.000	48.00	8.44	56.44	68.20	-11.76	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

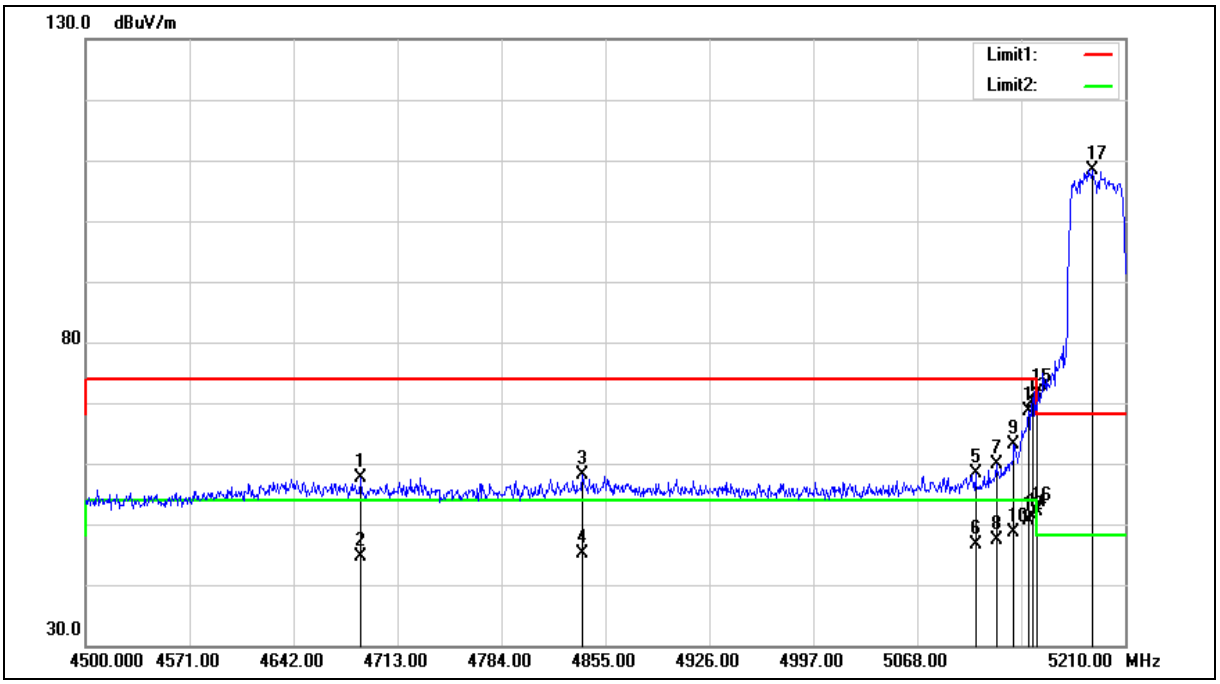
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4673.240	51.61	5.62	57.23	74.00	-16.77	peak
2	4673.240	39.43	5.62	45.05	54.00	-8.95	AVG
3	4825.180	51.78	5.94	57.72	74.00	-16.28	peak
4	4825.180	39.09	5.94	45.03	54.00	-8.97	AVG
5	5001.970	51.19	6.31	57.50	74.00	-16.50	peak
6	5001.970	38.47	6.31	44.78	54.00	-9.22	AVG
7	5106.340	53.19	6.63	59.82	74.00	-14.18	peak
8	5106.340	40.00	6.63	46.63	54.00	-7.37	AVG
9	5116.280	54.26	6.66	60.92	74.00	-13.08	peak
10	5116.280	40.18	6.66	46.84	54.00	-7.16	AVG
11	5128.350	57.48	6.70	64.18	74.00	-9.82	peak
12	5128.350	41.32	6.70	48.02	54.00	-5.98	AVG
13	5131.900	59.12	6.70	65.82	74.00	-8.18	peak
14	5131.900	41.51	6.70	48.21	54.00	-5.79	AVG
15	5138.290	61.49	6.73	68.22	74.00	-5.78	peak
16	5138.290	42.86	6.73	49.59	54.00	-4.41	AVG
17	5143.970	64.97	6.74	71.71	74.00	-2.29	peak
18	5143.970	43.78	6.74	50.52	54.00	-3.48	AVG
19	5150.000	64.71	6.76	71.47	74.00	-2.53	peak
20	5150.000	45.48	6.76	52.24	54.00	-1.76	AVG
21	5185.860	105.14	6.87	112.01	--	--	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

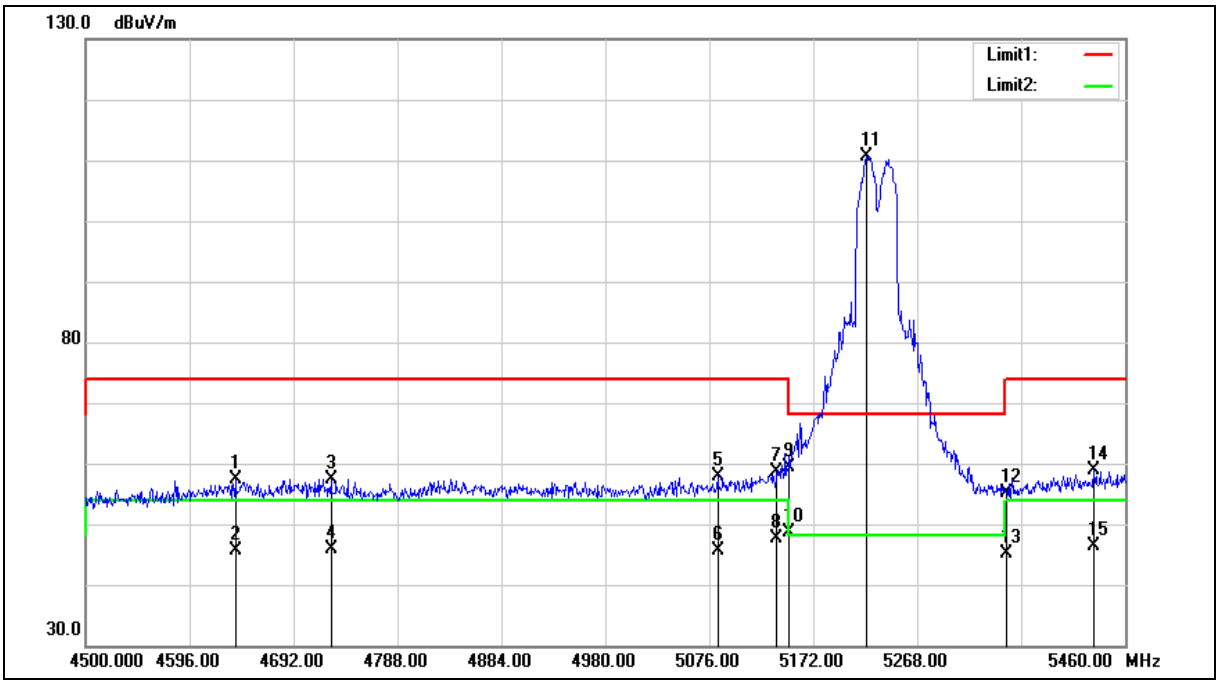
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4688.150	51.95	5.64	57.59	74.00	-16.41	peak
2	4688.150	39.09	5.64	44.73	54.00	-9.27	AVG
3	4839.380	52.04	5.98	58.02	74.00	-15.98	peak
4	4839.380	39.27	5.98	45.25	54.00	-8.75	AVG
5	5107.760	51.62	6.64	58.26	74.00	-15.74	peak
6	5107.760	39.99	6.64	46.63	54.00	-7.37	AVG
7	5121.960	53.20	6.67	59.87	74.00	-14.13	peak
8	5121.960	40.68	6.67	47.35	54.00	-6.65	AVG
9	5134.030	56.35	6.71	63.06	74.00	-10.94	peak
10	5134.030	41.97	6.71	48.68	54.00	-5.32	AVG
11	5143.970	62.01	6.74	68.75	74.00	-5.25	peak
12	5143.970	44.00	6.74	50.74	54.00	-3.26	AVG
13	5146.810	63.42	6.75	70.17	74.00	-3.83	peak
14	5146.810	44.42	6.75	51.17	54.00	-2.83	AVG
15	5150.000	64.95	6.76	71.71	74.00	-2.29	peak
16	5150.000	45.29	6.76	52.05	54.00	-1.95	AVG
17	5187.280	101.55	6.87	108.42	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

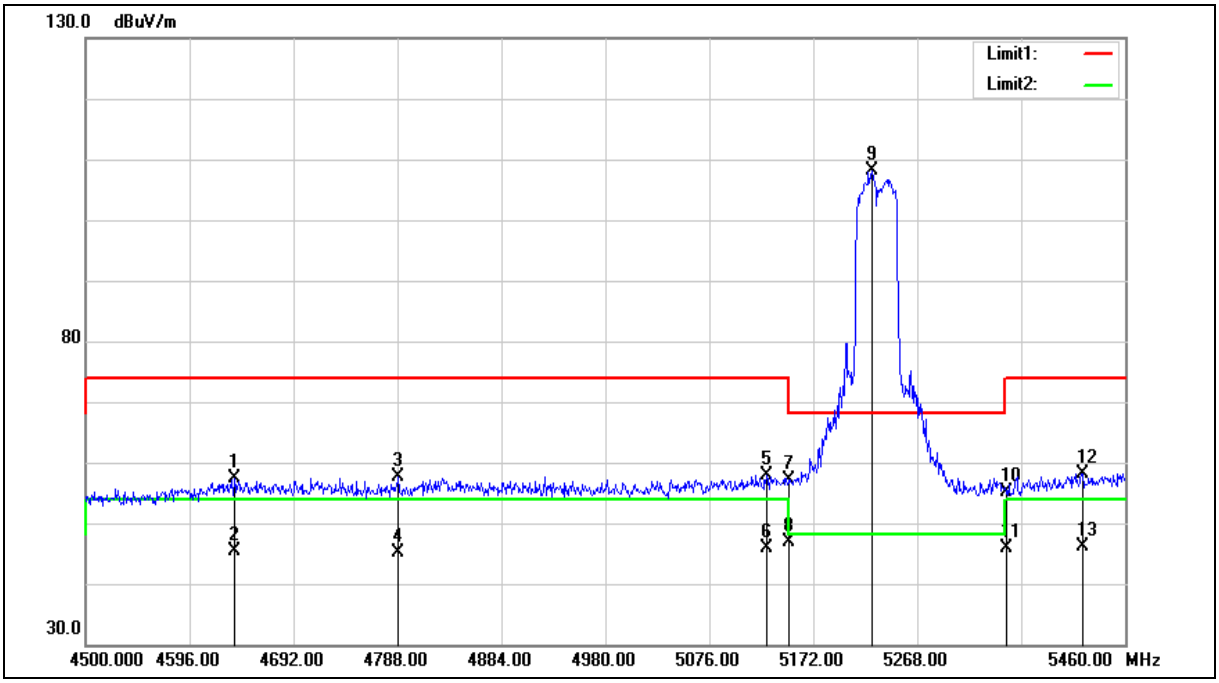
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4638.240	51.77	5.55	57.32	74.00	-16.68	peak
2	4638.240	40.05	5.55	45.60	54.00	-8.40	AVG
3	4726.560	51.75	5.74	57.49	74.00	-16.51	peak
4	4726.560	40.21	5.74	45.95	54.00	-8.05	AVG
5	5083.680	51.32	6.56	57.88	74.00	-16.12	peak
6	5083.680	39.18	6.56	45.74	54.00	-8.26	AVG
7	5138.400	51.93	6.73	58.66	74.00	-15.34	peak
8	5138.400	40.98	6.73	47.71	54.00	-6.29	AVG
9	5150.000	52.63	6.76	59.39	74.00	-14.61	peak
10	5150.000	41.98	6.76	48.74	54.00	-5.26	AVG
11	5220.960	103.74	6.96	110.70	--	--	peak
12	5350.000	47.85	7.35	55.20	74.00	-18.80	peak
13	5350.000	37.82	7.35	45.17	54.00	-8.83	AVG
14	5431.200	51.34	7.60	58.94	74.00	-15.06	peak
15	5431.200	38.88	7.60	46.48	54.00	-7.52	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

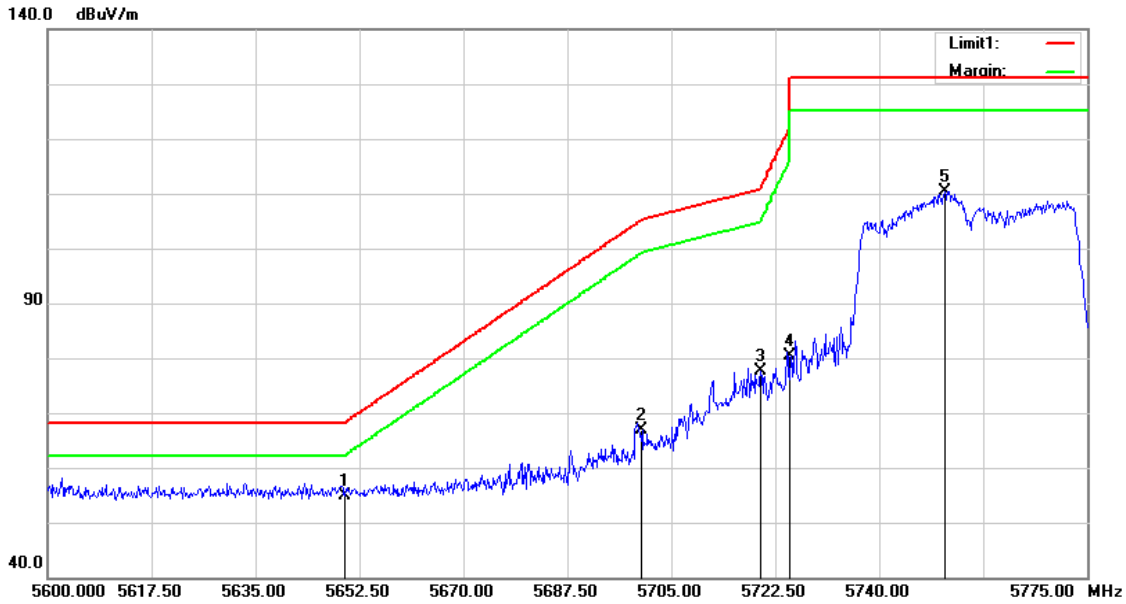
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4637.280	51.83	5.55	57.38	74.00	-16.62	peak
2	4637.280	39.93	5.55	45.48	54.00	-8.52	AVG
3	4788.960	51.88	5.87	57.75	74.00	-16.25	peak
4	4788.960	39.27	5.87	45.14	54.00	-8.86	AVG
5	5128.800	51.13	6.70	57.83	74.00	-16.17	peak
6	5128.800	39.23	6.70	45.93	54.00	-8.07	AVG
7	5150.000	50.33	6.76	57.09	74.00	-16.91	peak
8	5150.000	40.16	6.76	46.92	54.00	-7.08	AVG
9	5225.760	101.17	6.98	108.15	--	--	peak
10	5350.000	47.88	7.35	55.23	74.00	-18.77	peak
11	5350.000	38.48	7.35	45.83	54.00	-8.17	AVG
12	5420.640	50.62	7.57	58.19	74.00	-15.81	peak
13	5420.640	38.62	7.57	46.19	54.00	-7.81	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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



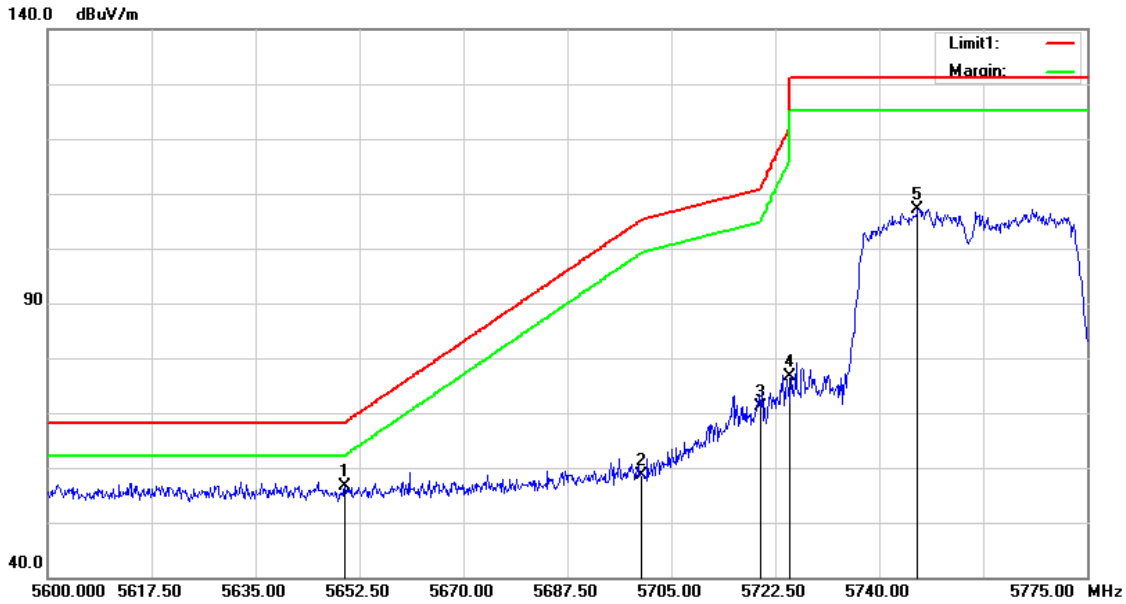
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.91	8.03	54.94	68.20	-13.26	peak
2	5700.000	58.69	8.10	66.79	105.20	-38.41	peak
3	5720.000	69.49	8.13	77.62	110.80	-33.18	peak
4	5725.000	72.28	8.14	80.42	122.20	-41.78	peak
5	5751.025	102.26	8.18	110.44	--	--	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



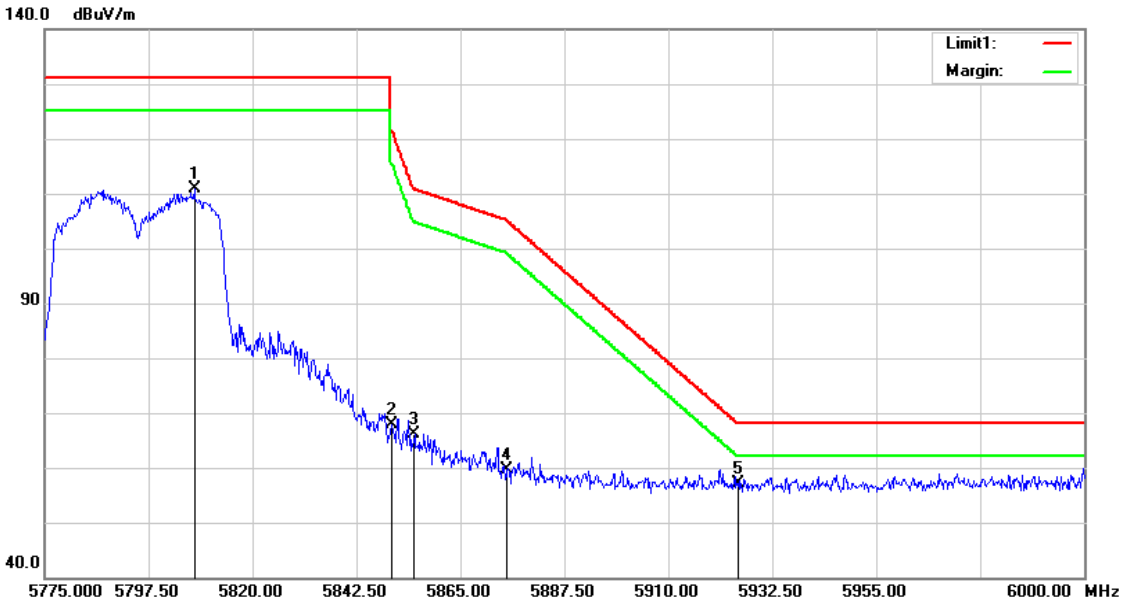
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.60	8.03	56.63	68.20	-11.57	peak
2	5700.000	50.55	8.10	58.65	105.20	-46.55	peak
3	5720.000	63.12	8.13	71.25	110.80	-39.55	peak
4	5725.000	68.47	8.14	76.61	122.20	-45.59	peak
5	5746.475	98.97	8.17	107.14	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



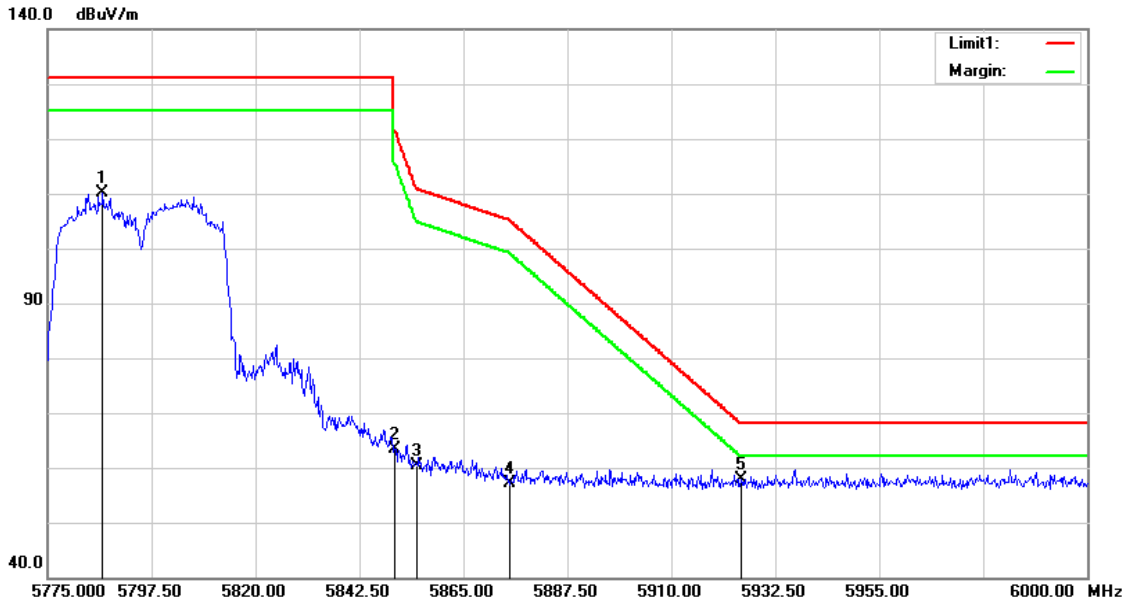
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5807.400	102.56	8.27	110.83	--	--	peak
2	5850.000	59.44	8.32	67.76	122.20	-54.44	peak
3	5855.000	57.70	8.33	66.03	110.80	-44.77	peak
4	5875.000	51.26	8.36	59.62	105.20	-45.58	peak
5	5925.000	48.67	8.44	57.11	68.20	-11.09	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



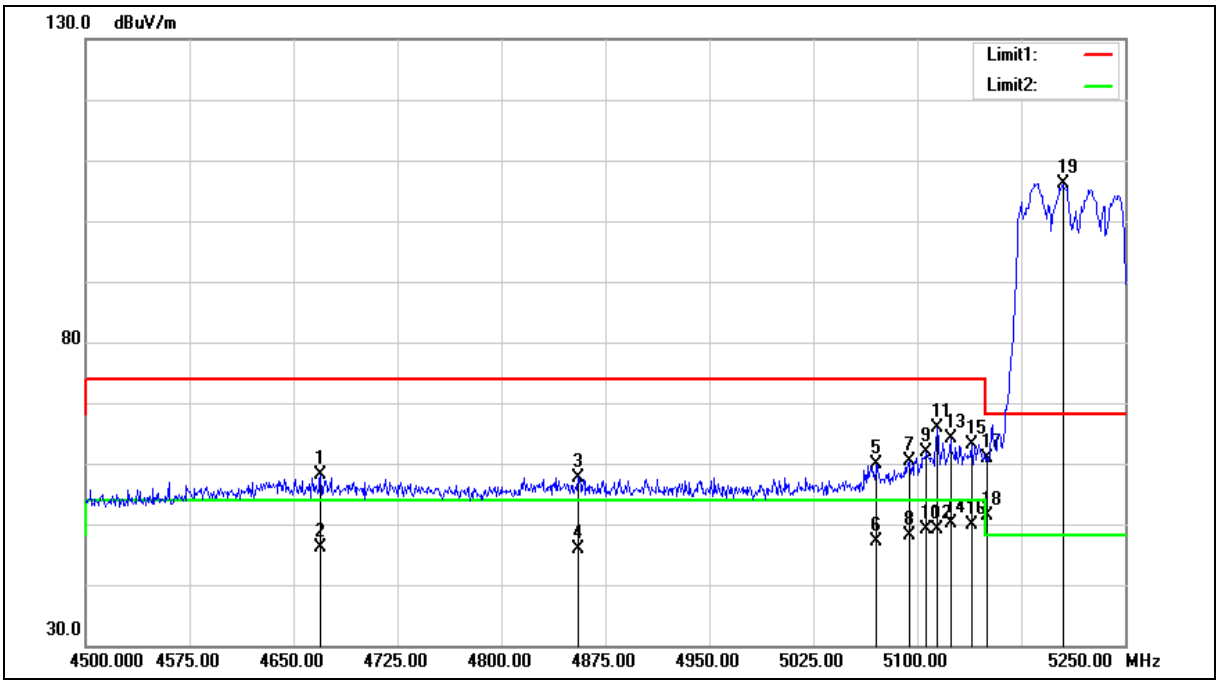
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5786.925	101.92	8.24	110.16	--	--	peak
2	5850.000	54.94	8.32	63.26	122.20	-58.94	peak
3	5855.000	52.14	8.33	60.47	110.80	-50.33	peak
4	5875.000	48.81	8.36	57.17	105.20	-48.03	peak
5	5925.000	49.44	8.44	57.88	68.20	-10.32	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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

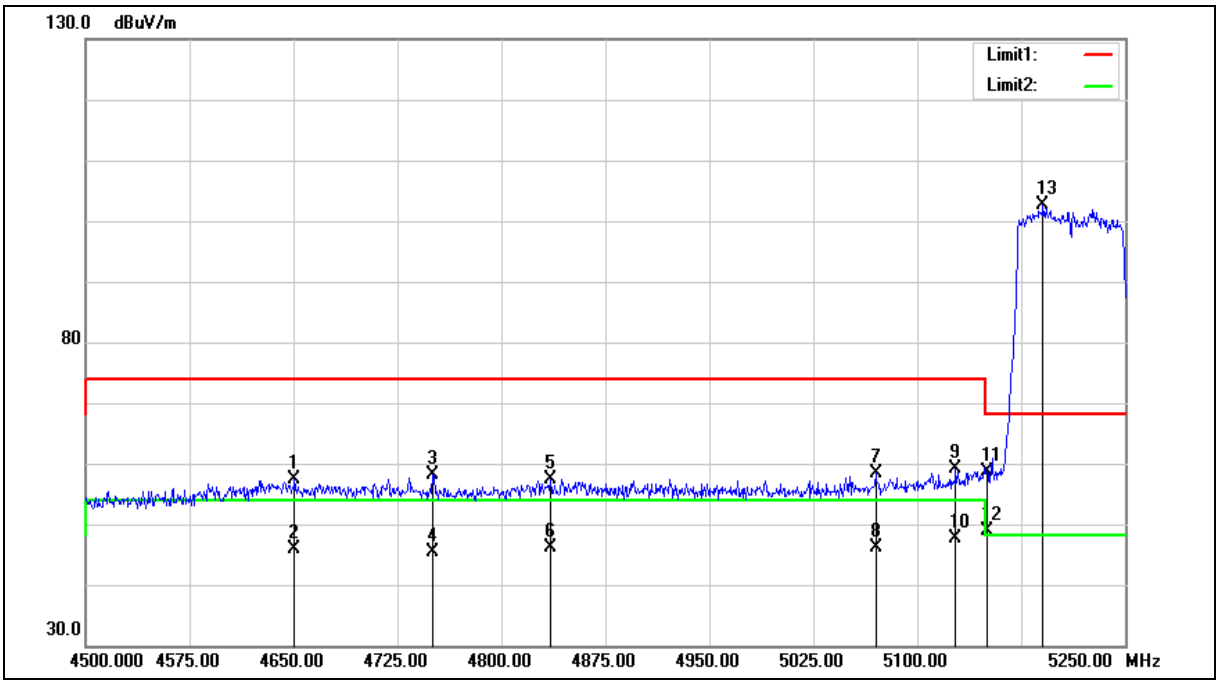
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4669.500	52.44	5.61	58.05	74.00	-15.95	peak
2	4669.500	40.51	5.61	46.12	54.00	-7.88	AVG
3	4855.500	51.75	6.00	57.75	74.00	-16.25	peak
4	4855.500	39.92	6.00	45.92	54.00	-8.08	AVG
5	5070.750	53.38	6.52	59.90	74.00	-14.10	peak
6	5070.750	40.61	6.52	47.13	54.00	-6.87	AVG
7	5094.750	53.70	6.59	60.29	74.00	-13.71	peak
8	5094.750	41.50	6.59	48.09	54.00	-5.91	AVG
9	5106.750	55.17	6.63	61.80	74.00	-12.20	peak
10	5106.750	42.38	6.63	49.01	54.00	-4.99	AVG
11	5114.250	59.14	6.65	65.79	74.00	-8.21	peak
12	5114.250	42.53	6.65	49.18	54.00	-4.82	AVG
13	5124.000	57.36	6.68	64.04	74.00	-9.96	peak
14	5124.000	43.54	6.68	50.22	54.00	-3.78	AVG
15	5139.000	56.37	6.73	63.10	74.00	-10.90	peak
16	5139.000	43.16	6.73	49.89	54.00	-4.11	AVG
17	5150.000	54.09	6.76	60.85	74.00	-13.15	peak
18	5150.000	44.53	6.76	51.29	54.00	-2.71	AVG
19	5205.000	99.28	6.91	106.19	--	--	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:	5210 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

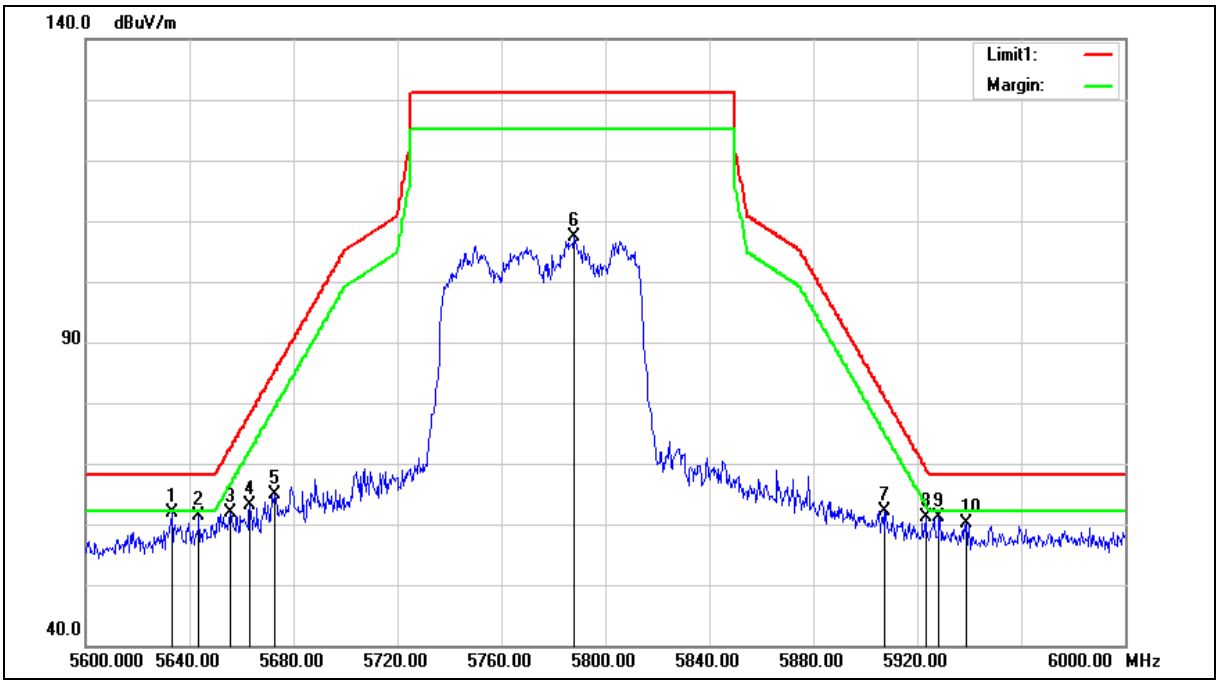
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.750	51.90	5.57	57.47	74.00	-16.53	peak
2	4650.750	40.28	5.57	45.85	54.00	-8.15	AVG
3	4750.500	52.32	5.78	58.10	74.00	-15.90	peak
4	4750.500	39.58	5.78	45.36	54.00	-8.64	AVG
5	4835.250	51.36	5.97	57.33	74.00	-16.67	peak
6	4835.250	40.07	5.97	46.04	54.00	-7.96	AVG
7	5070.000	51.89	6.51	58.40	74.00	-15.60	peak
8	5070.000	39.67	6.51	46.18	54.00	-7.82	AVG
9	5127.750	52.38	6.70	59.08	74.00	-14.92	peak
10	5127.750	40.88	6.70	47.58	54.00	-6.42	AVG
11	5150.000	51.97	6.76	58.73	74.00	-15.27	peak
12	5150.000	42.00	6.76	48.76	54.00	-5.24	AVG
13	5190.750	95.69	6.88	102.57	--	--	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

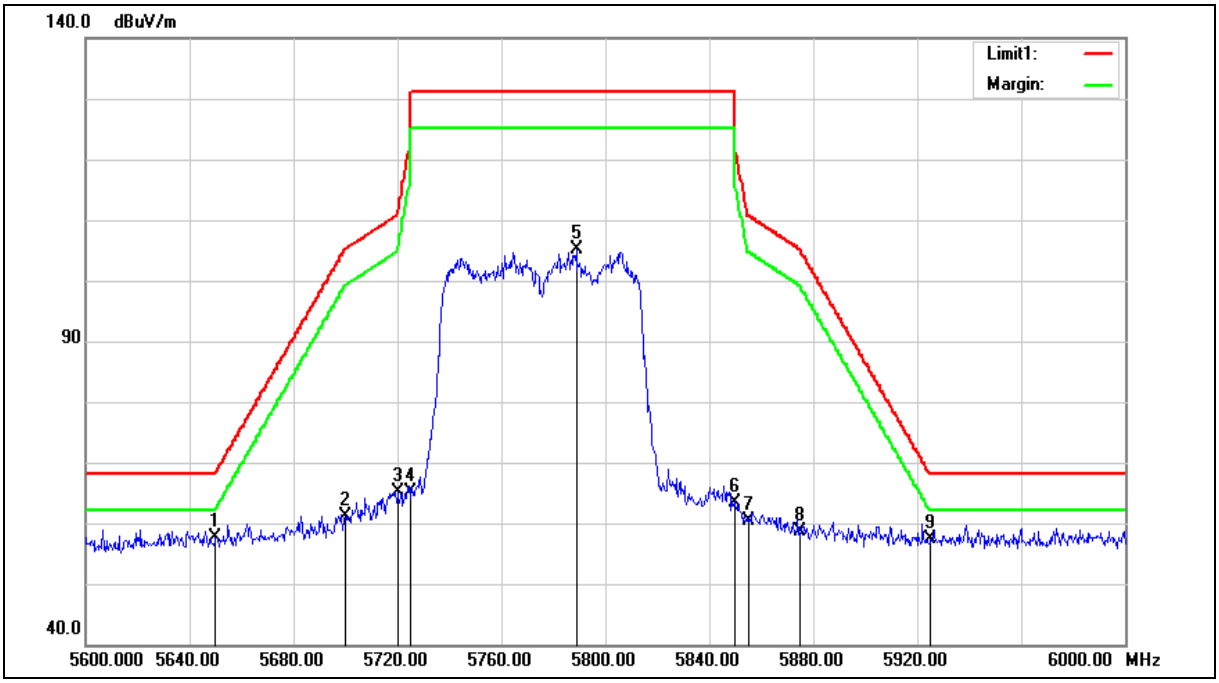
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5633.200	53.82	8.00	61.82	68.20	-6.38	peak
2	5643.600	53.26	8.01	61.27	68.20	-6.93	peak
3	5655.600	53.77	8.04	61.81	72.34	-10.53	peak
4	5663.200	55.02	8.04	63.06	77.97	-14.91	peak
5	5672.800	56.78	8.06	64.84	85.07	-20.23	peak
6	5788.000	99.03	8.24	107.27	--	--	peak
7	5907.600	53.69	8.41	62.10	81.08	-18.98	peak
8	5923.200	52.62	8.44	61.06	69.53	-8.47	peak
9	5928.400	52.66	8.45	61.11	68.20	-7.09	peak
10	5938.800	51.59	8.46	60.05	68.20	-8.15	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	49.55	8.03	57.58	68.20	-10.62	peak
2	5700.000	52.97	8.10	61.07	105.20	-44.13	peak
3	5720.000	57.07	8.13	65.20	110.80	-45.60	peak
4	5725.000	57.10	8.14	65.24	122.20	-56.96	peak
5	5788.800	96.78	8.24	105.02	--	--	peak
6	5850.000	54.95	8.32	63.27	122.20	-58.93	peak
7	5855.000	52.00	8.33	60.33	110.80	-50.47	peak
8	5875.000	50.21	8.36	58.57	105.20	-46.63	peak
9	5925.000	48.92	8.44	57.36	68.20	-10.84	peak

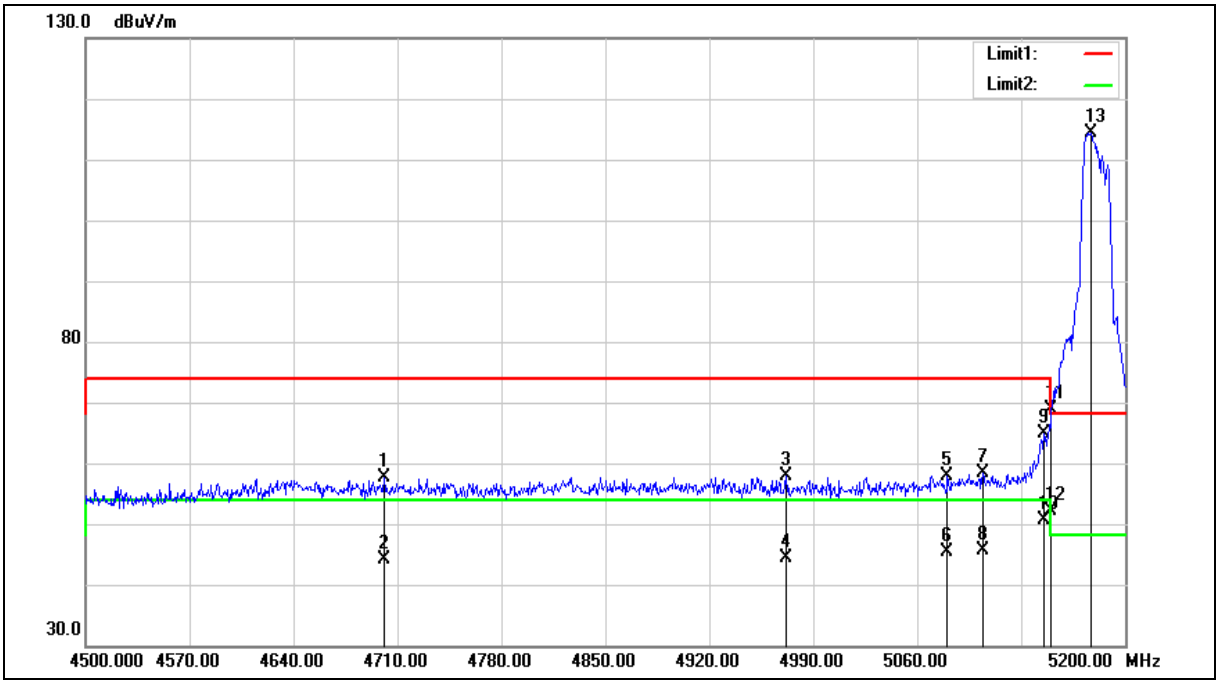
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Beamforming on

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

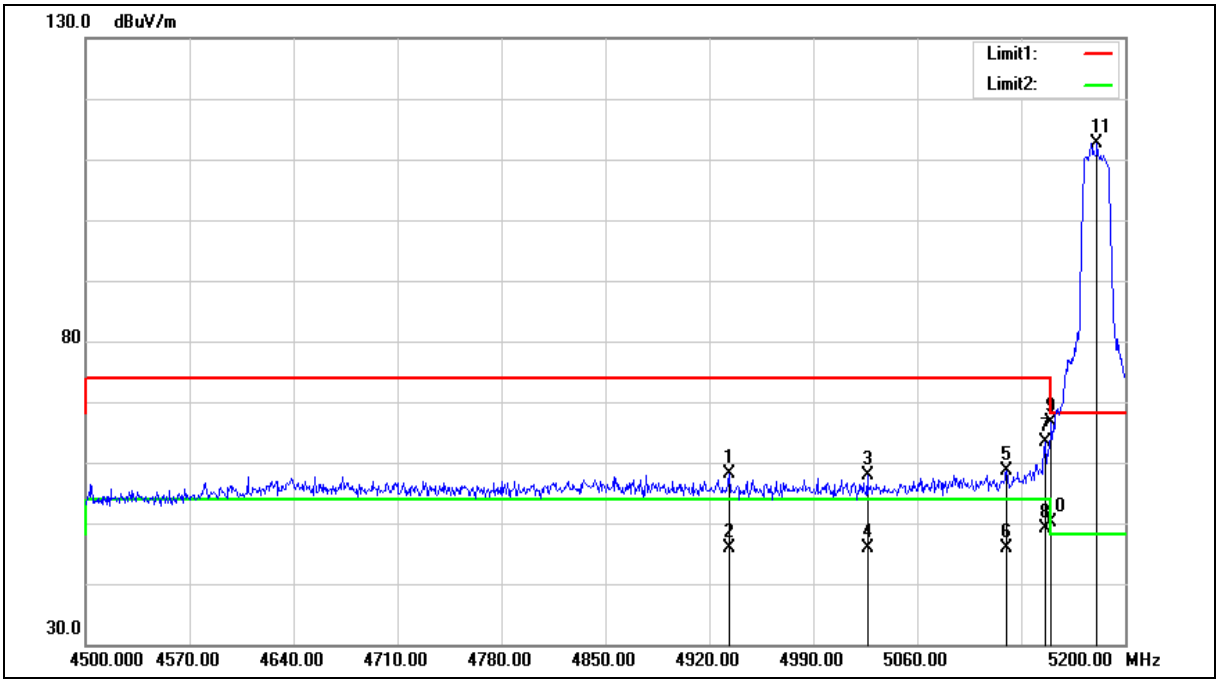
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4700.900	51.84	5.68	57.52	74.00	-16.48	peak
2	4700.900	38.53	5.68	44.21	54.00	-9.79	AVG
3	4971.800	51.61	6.26	57.87	74.00	-16.13	peak
4	4971.800	38.05	6.26	44.31	54.00	-9.69	AVG
5	5080.300	51.43	6.54	57.97	74.00	-16.03	peak
6	5080.300	38.84	6.54	45.38	54.00	-8.62	AVG
7	5104.100	51.82	6.62	58.44	74.00	-15.56	peak
8	5104.100	39.01	6.62	45.63	54.00	-8.37	AVG
9	5145.400	58.06	6.75	64.81	74.00	-9.19	peak
10	5145.400	43.89	6.75	50.64	54.00	-3.36	AVG
11	5150.000	62.05	6.76	68.81	74.00	-5.19	peak
12	5150.000	45.40	6.76	52.16	54.00	-1.84	AVG
13	5176.900	107.53	6.84	114.37	--	--	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

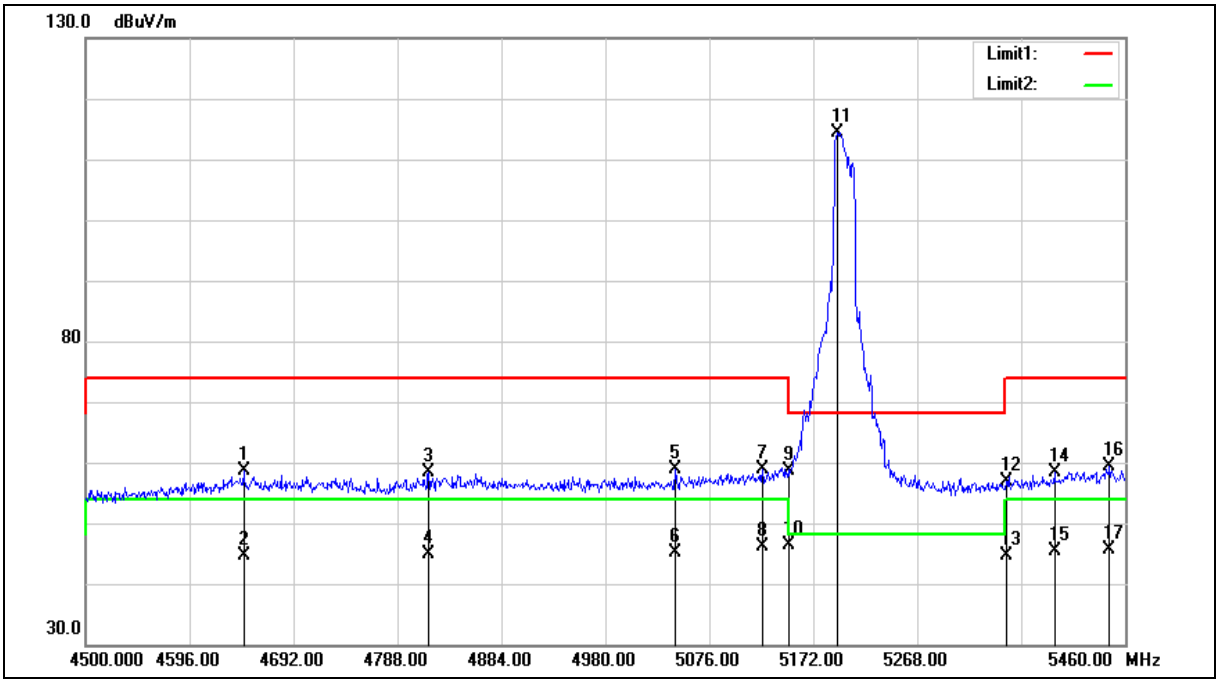
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4933.300	51.87	6.17	58.04	74.00	-15.96	peak
2	4933.300	39.69	6.17	45.86	54.00	-8.14	AVG
3	5026.400	51.38	6.39	57.77	74.00	-16.23	peak
4	5026.400	39.60	6.39	45.99	54.00	-8.01	AVG
5	5120.200	51.84	6.67	58.51	74.00	-15.49	peak
6	5120.200	39.29	6.67	45.96	54.00	-8.04	AVG
7	5146.100	56.67	6.75	63.42	74.00	-10.58	peak
8	5146.100	42.33	6.75	49.08	54.00	-4.92	AVG
9	5150.000	59.90	6.76	66.66	74.00	-7.34	peak
10	5150.000	43.43	6.76	50.19	54.00	-3.81	AVG
11	5181.100	105.84	6.85	112.69	--	--	peak

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

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

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

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

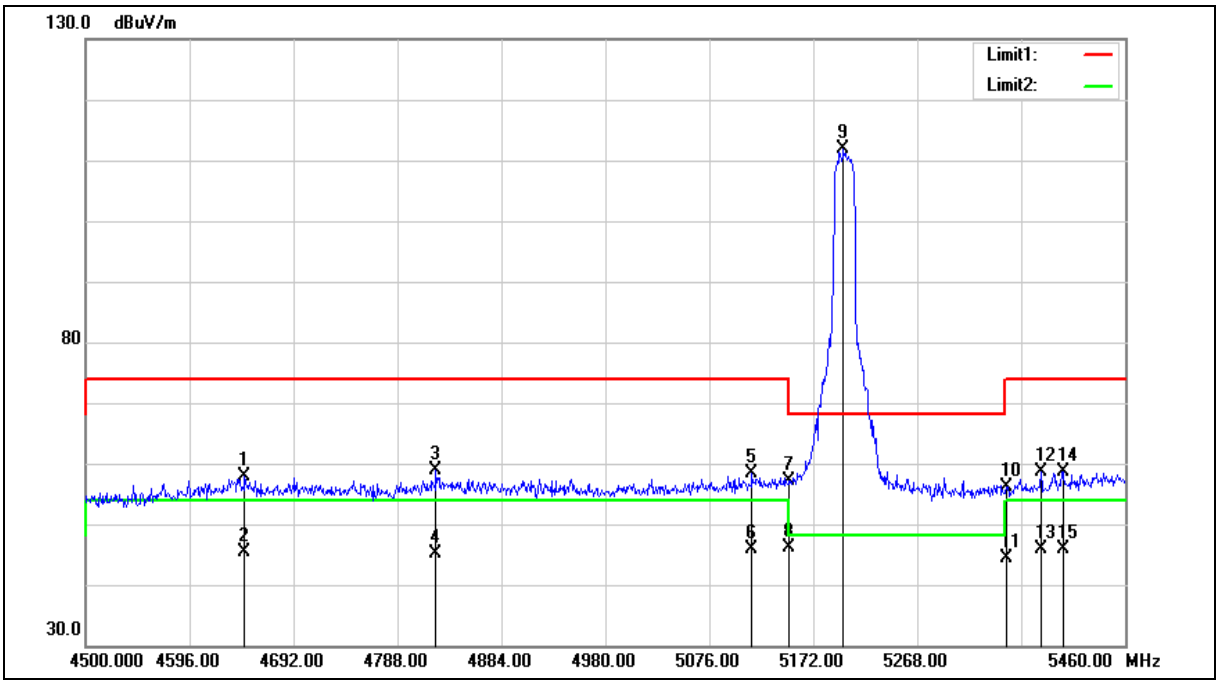
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4645.920	53.15	5.56	58.71	74.00	-15.29	peak
2	4645.920	39.06	5.56	44.62	54.00	-9.38	AVG
3	4816.800	52.44	5.92	58.36	74.00	-15.64	peak
4	4816.800	39.01	5.92	44.93	54.00	-9.07	AVG
5	5044.320	52.41	6.44	58.85	74.00	-15.15	peak
6	5044.320	38.61	6.44	45.05	54.00	-8.95	AVG
7	5124.960	52.12	6.68	58.80	74.00	-15.20	peak
8	5124.960	39.54	6.68	46.22	54.00	-7.78	AVG
9	5150.000	51.76	6.76	58.52	74.00	-15.48	peak
10	5150.000	39.61	6.76	46.37	54.00	-7.63	AVG
11	5194.080	107.57	6.88	114.45	--	--	peak
12	5350.000	49.41	7.35	56.76	74.00	-17.24	peak
13	5350.000	37.24	7.35	44.59	54.00	-9.41	AVG
14	5394.720	50.92	7.48	58.40	74.00	-15.60	peak
15	5394.720	37.80	7.48	45.28	54.00	-8.72	AVG
16	5445.600	51.67	7.65	59.32	74.00	-14.68	peak
17	5445.600	38.08	7.65	45.73	54.00	-8.27	AVG

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

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

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

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

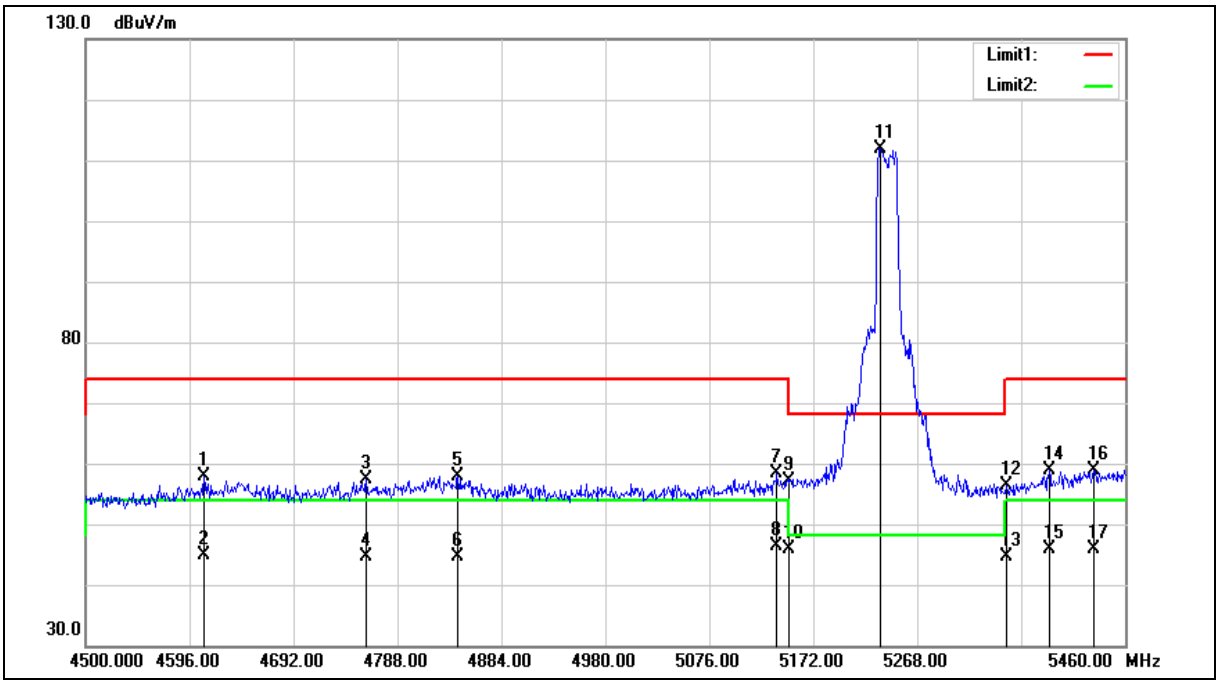
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4646.880	52.26	5.56	57.82	74.00	-16.18	peak
2	4646.880	39.82	5.56	45.38	54.00	-8.62	AVG
3	4823.520	52.95	5.93	58.88	74.00	-15.12	peak
4	4823.520	39.24	5.93	45.17	54.00	-8.83	AVG
5	5115.360	51.76	6.66	58.42	74.00	-15.58	peak
6	5115.360	39.13	6.66	45.79	54.00	-8.21	AVG
7	5150.000	50.46	6.76	57.22	74.00	-16.78	peak
8	5150.000	39.30	6.76	46.06	54.00	-7.94	AVG
9	5199.840	105.06	6.90	111.96	--	--	peak
10	5350.000	48.89	7.35	56.24	74.00	-17.76	peak
11	5350.000	37.05	7.35	44.40	54.00	-9.60	AVG
12	5382.240	51.28	7.44	58.72	74.00	-15.28	peak
13	5382.240	38.33	7.44	45.77	54.00	-8.23	AVG
14	5402.400	51.21	7.50	58.71	74.00	-15.29	peak
15	5402.400	38.30	7.50	45.80	54.00	-8.20	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:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

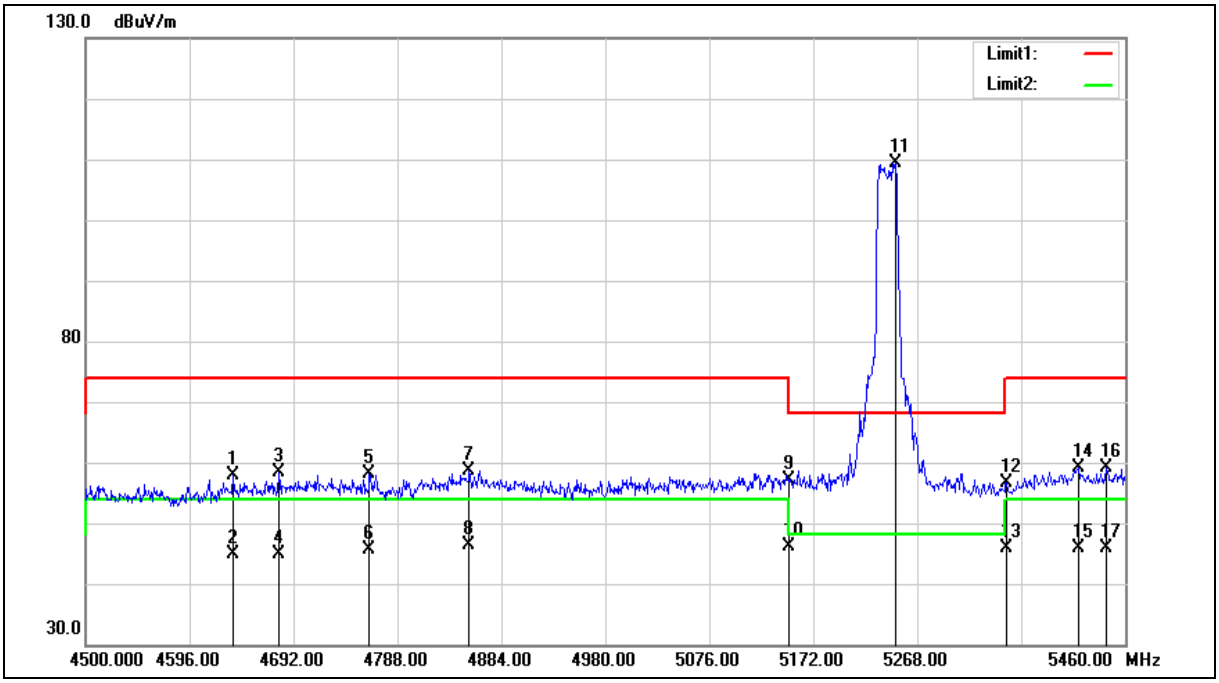
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4609.440	52.44	5.48	57.92	74.00	-16.08	peak
2	4609.440	39.32	5.48	44.80	54.00	-9.20	AVG
3	4759.200	51.54	5.80	57.34	74.00	-16.66	peak
4	4759.200	38.75	5.80	44.55	54.00	-9.45	AVG
5	4843.680	51.86	5.99	57.85	74.00	-16.15	peak
6	4843.680	38.62	5.99	44.61	54.00	-9.39	AVG
7	5138.400	51.73	6.73	58.46	74.00	-15.54	peak
8	5138.400	39.56	6.73	46.29	54.00	-7.71	AVG
9	5150.000	50.42	6.76	57.18	74.00	-16.82	peak
10	5150.000	39.22	6.76	45.98	54.00	-8.02	AVG
11	5233.440	104.93	7.00	111.93	--	--	peak
12	5350.000	48.97	7.35	56.32	74.00	-17.68	peak
13	5350.000	37.30	7.35	44.65	54.00	-9.35	AVG
14	5389.920	51.48	7.47	58.95	74.00	-15.05	peak
15	5389.920	38.46	7.47	45.93	54.00	-8.07	AVG
16	5431.200	51.17	7.60	58.77	74.00	-15.23	peak
17	5431.200	38.29	7.60	45.89	54.00	-8.11	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:	5240 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

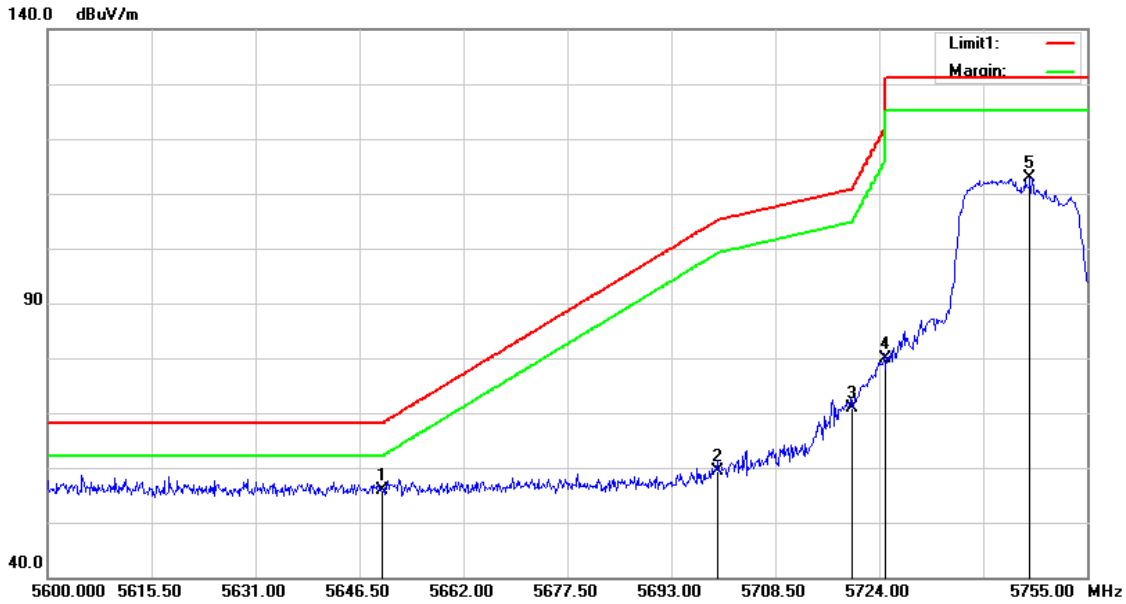
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4636.320	52.38	5.55	57.93	74.00	-16.07	peak
2	4636.320	39.28	5.55	44.83	54.00	-9.17	AVG
3	4678.560	52.74	5.63	58.37	74.00	-15.63	peak
4	4678.560	39.24	5.63	44.87	54.00	-9.13	AVG
5	4762.080	52.35	5.81	58.16	74.00	-15.84	peak
6	4762.080	39.89	5.81	45.70	54.00	-8.30	AVG
7	4854.240	52.63	6.00	58.63	74.00	-15.37	peak
8	4854.240	40.29	6.00	46.29	54.00	-7.71	AVG
9	5150.000	50.43	6.76	57.19	74.00	-16.81	peak
10	5150.000	39.25	6.76	46.01	54.00	-7.99	AVG
11	5247.840	102.34	7.05	109.39	--	--	peak
12	5350.000	49.22	7.35	56.57	74.00	-17.43	peak
13	5350.000	38.45	7.35	45.80	54.00	-8.20	AVG
14	5416.800	51.56	7.56	59.12	74.00	-14.88	peak
15	5416.800	38.34	7.56	45.90	54.00	-8.10	AVG
16	5442.720	51.45	7.63	59.08	74.00	-14.92	peak
17	5442.720	38.16	7.63	45.79	54.00	-8.21	AVG

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

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

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

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



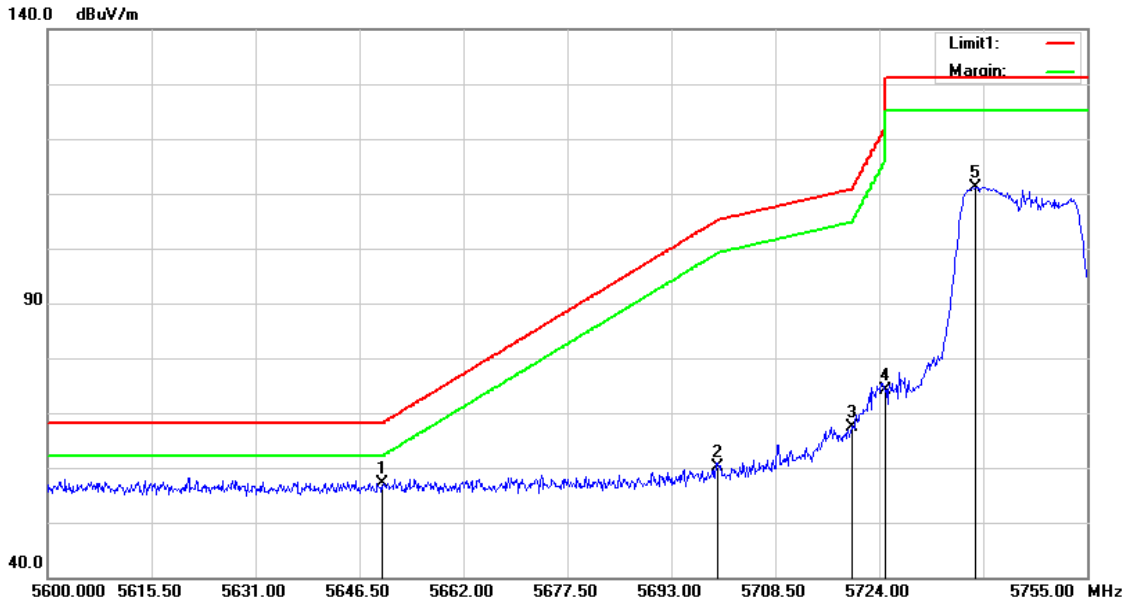
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.82	8.03	55.85	68.20	-12.35	peak
2	5700.000	51.34	8.10	59.44	105.20	-45.76	peak
3	5720.000	62.75	8.13	70.88	110.80	-39.92	peak
4	5725.000	71.63	8.14	79.77	122.20	-42.43	peak
5	5746.475	104.65	8.17	112.82	--	--	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:	5745 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



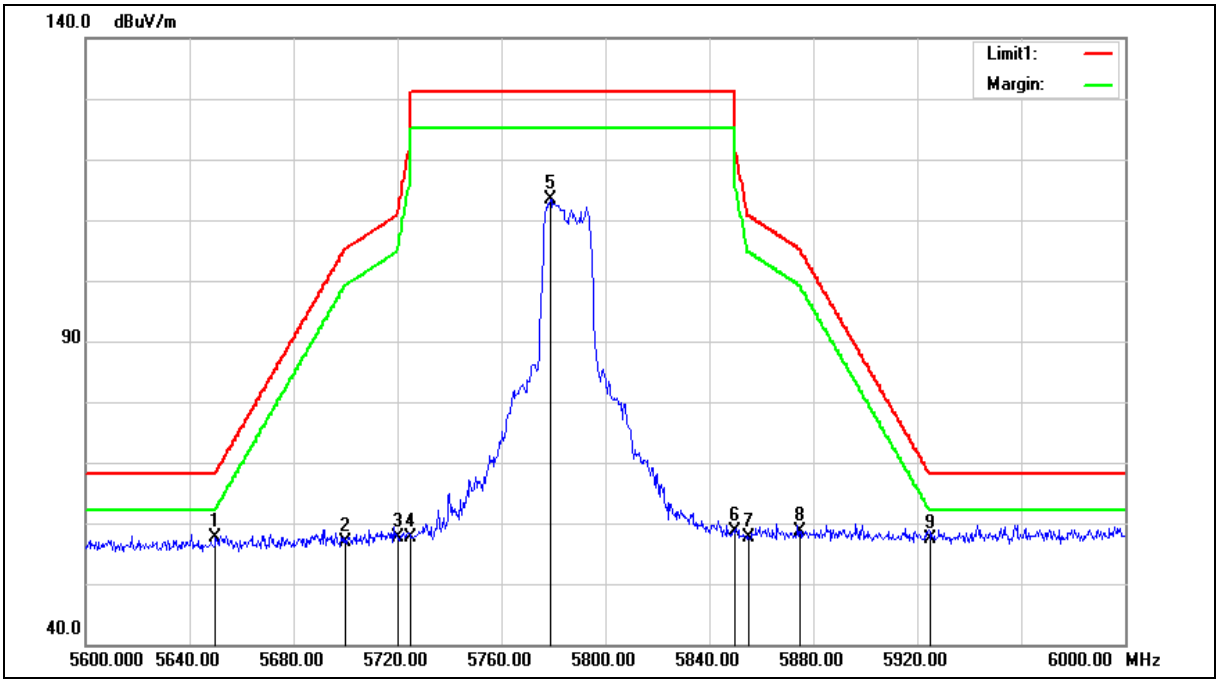
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	49.04	8.03	57.07	68.20	-11.13	peak
2	5700.000	52.09	8.10	60.19	105.20	-45.01	peak
3	5720.000	59.33	8.13	67.46	110.80	-43.34	peak
4	5725.000	66.04	8.14	74.18	122.20	-48.02	peak
5	5738.415	102.99	8.15	111.14	--	--	peak

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

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

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

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

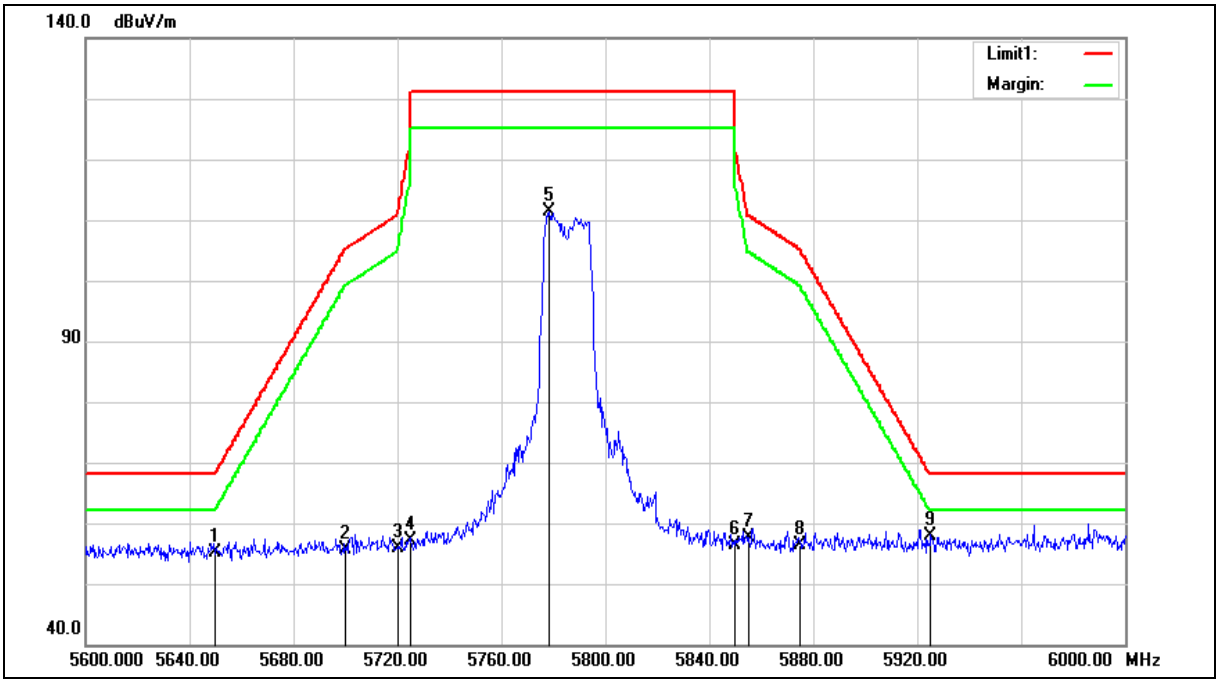
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	49.69	8.03	57.72	68.20	-10.48	peak
2	5700.000	48.85	8.10	56.95	105.20	-48.25	peak
3	5720.000	49.38	8.13	57.51	110.80	-53.29	peak
4	5725.000	49.48	8.14	57.62	122.20	-64.58	peak
5	5778.800	105.16	8.22	113.38	--	--	peak
6	5850.000	50.25	8.32	58.57	122.20	-63.63	peak
7	5855.000	49.22	8.33	57.55	110.80	-53.25	peak
8	5875.000	50.38	8.36	58.74	105.20	-46.46	peak
9	5925.000	48.93	8.44	57.37	68.20	-10.83	peak

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

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

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

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

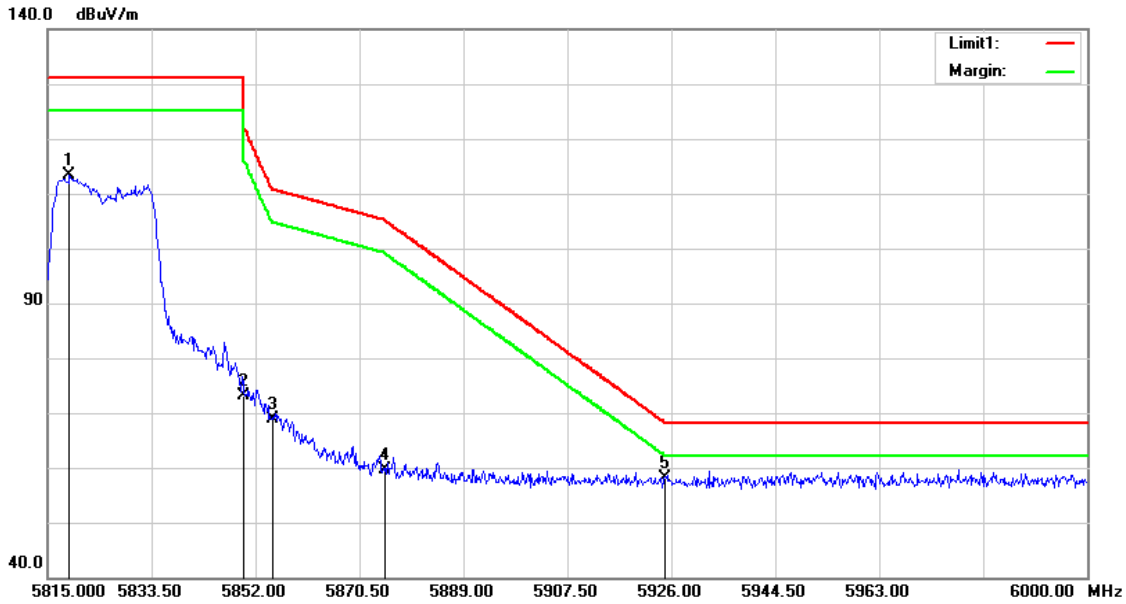
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.99	8.03	55.02	68.20	-13.18	peak
2	5700.000	47.46	8.10	55.56	105.20	-49.64	peak
3	5720.000	47.71	8.13	55.84	110.80	-54.96	peak
4	5725.000	48.98	8.14	57.12	122.20	-65.08	peak
5	5778.400	103.06	8.22	111.28	--	--	peak
6	5850.000	48.01	8.32	56.33	122.20	-65.87	peak
7	5855.000	49.22	8.33	57.55	110.80	-53.25	peak
8	5875.000	48.00	8.36	56.36	105.20	-48.84	peak
9	5925.000	49.56	8.44	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



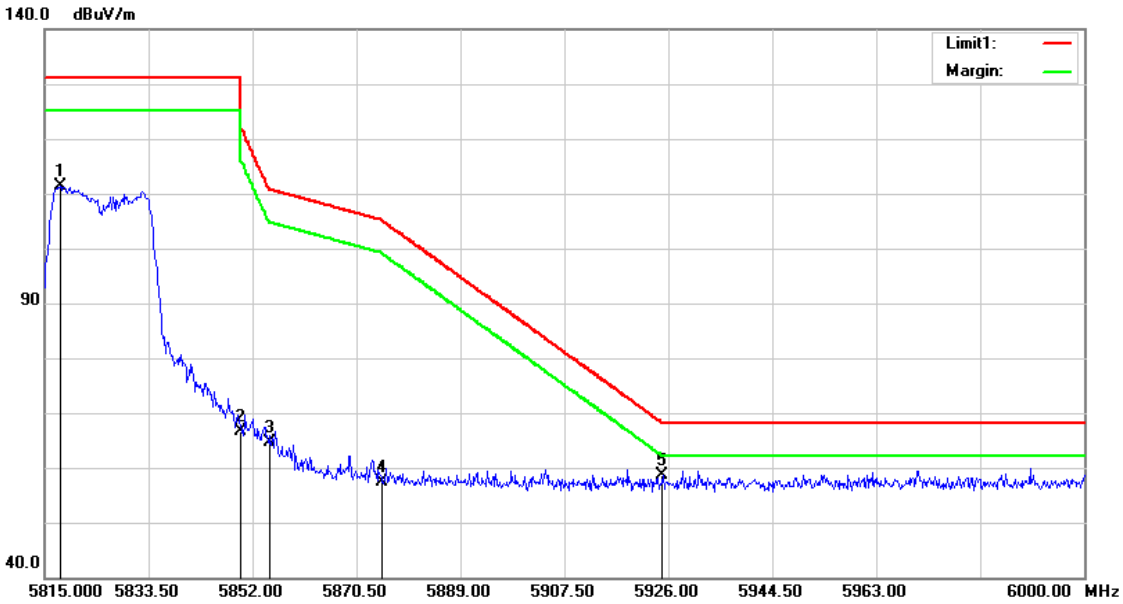
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5818.885	105.02	8.28	113.30	--	--	peak
2	5850.000	64.91	8.32	73.23	122.20	-48.97	peak
3	5855.000	60.60	8.33	68.93	110.80	-41.87	peak
4	5875.000	51.37	8.36	59.73	105.20	-45.47	peak
5	5925.000	49.59	8.44	58.03	68.20	-10.17	peak

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

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

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

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



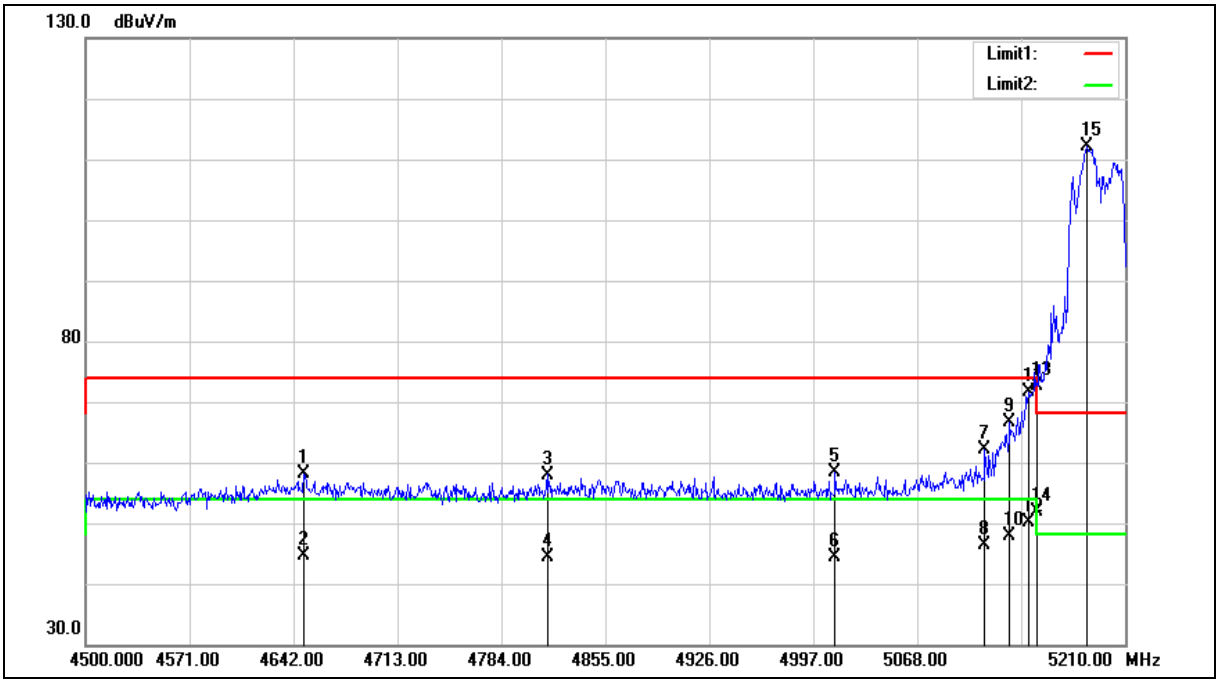
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5817.775	102.98	8.28	111.26	--	--	peak
2	5850.000	58.26	8.32	66.58	122.20	-55.62	peak
3	5855.000	56.27	8.33	64.60	110.80	-46.20	peak
4	5875.000	48.92	8.36	57.28	105.20	-47.92	peak
5	5925.000	50.29	8.44	58.73	68.20	-9.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

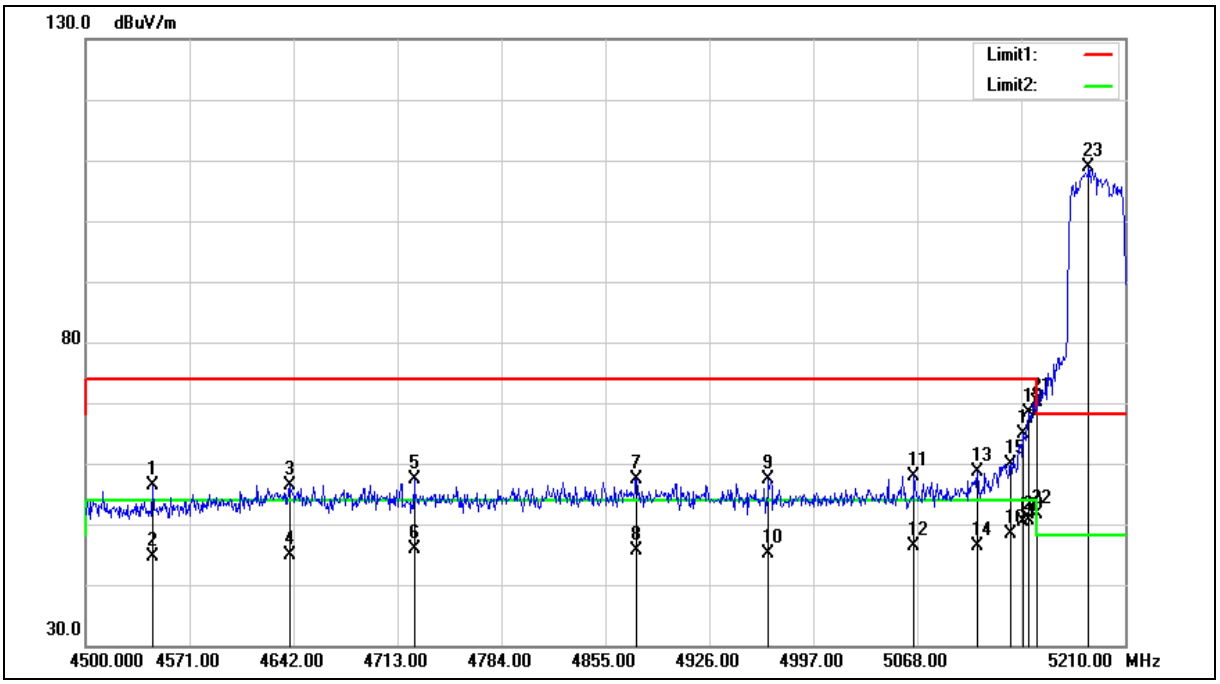
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4649.100	52.51	5.57	58.08	74.00	-15.92	peak
2	4649.100	38.99	5.57	44.56	54.00	-9.44	AVG
3	4815.240	52.09	5.91	58.00	74.00	-16.00	peak
4	4815.240	38.58	5.91	44.49	54.00	-9.51	AVG
5	5011.910	51.96	6.34	58.30	74.00	-15.70	peak
6	5011.910	37.96	6.34	44.30	54.00	-9.70	AVG
7	5114.150	55.39	6.65	62.04	74.00	-11.96	peak
8	5114.150	39.70	6.65	46.35	54.00	-7.65	AVG
9	5131.190	59.85	6.70	66.55	74.00	-7.45	peak
10	5131.190	41.22	6.70	47.92	54.00	-6.08	AVG
11	5143.970	64.81	6.74	71.55	74.00	-2.45	peak
12	5143.970	43.43	6.74	50.17	54.00	-3.83	AVG
13	5150.000	65.78	6.76	72.54	74.00	-1.46	peak
14	5150.000	45.12	6.76	51.88	54.00	-2.12	AVG
15	5183.730	105.26	6.85	112.11	---	---	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5190 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

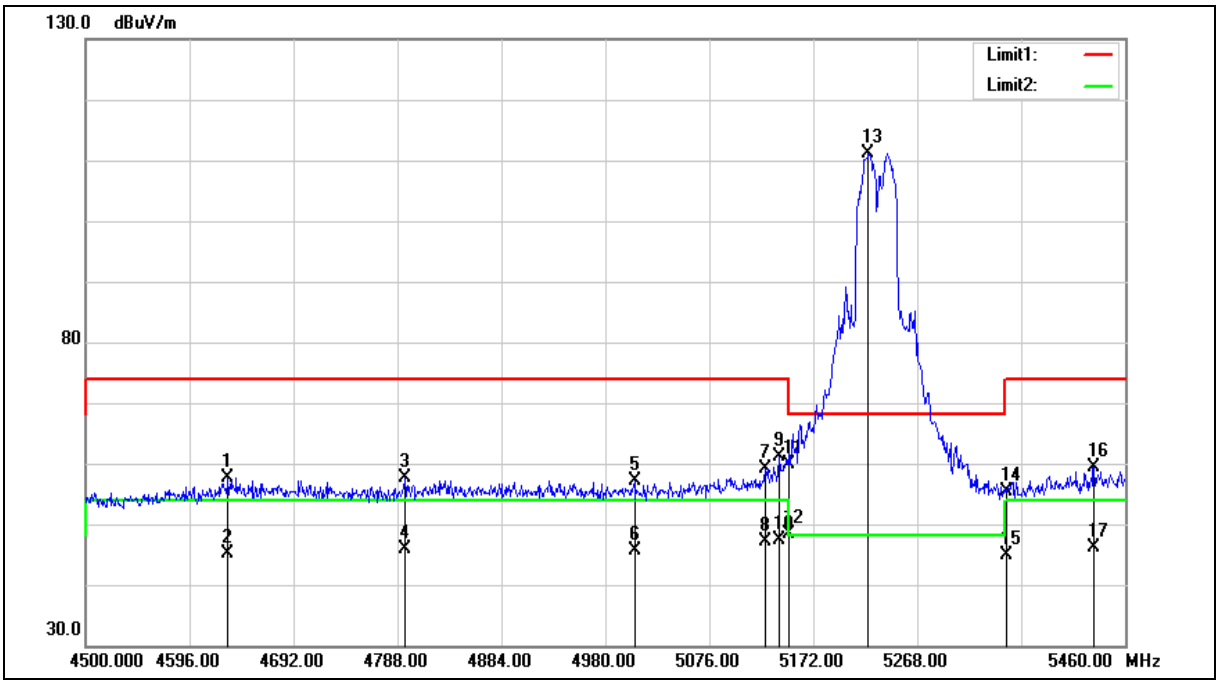
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4546.150	50.92	5.35	56.27	74.00	-17.73	peak
2	4546.150	39.21	5.35	44.56	54.00	-9.44	AVG
3	4639.160	50.85	5.56	56.41	74.00	-17.59	peak
4	4639.160	39.26	5.56	44.82	54.00	-9.18	AVG
5	4724.360	51.67	5.73	57.40	74.00	-16.60	peak
6	4724.360	40.17	5.73	45.90	54.00	-8.10	AVG
7	4876.300	51.32	6.05	57.37	74.00	-16.63	peak
8	4876.300	39.60	6.05	45.65	54.00	-8.35	AVG
9	4966.470	51.16	6.24	57.40	74.00	-16.60	peak
10	4966.470	38.98	6.24	45.22	54.00	-8.78	AVG
11	5065.870	51.49	6.51	58.00	74.00	-16.00	peak
12	5065.870	39.96	6.51	46.47	54.00	-7.53	AVG
13	5109.180	51.98	6.64	58.62	74.00	-15.38	peak
14	5109.180	39.85	6.64	46.49	54.00	-7.51	AVG
15	5131.900	53.30	6.70	60.00	74.00	-14.00	peak
16	5131.900	41.70	6.70	48.40	54.00	-5.60	AVG
17	5140.420	58.24	6.73	64.97	74.00	-9.03	peak
18	5140.420	43.55	6.73	50.28	54.00	-3.72	AVG
19	5143.970	61.58	6.74	68.32	74.00	-5.68	peak
20	5143.970	44.01	6.74	50.75	54.00	-3.25	AVG
21	5150.000	63.41	6.76	70.17	74.00	-3.83	peak
22	5150.000	44.78	6.76	51.54	54.00	-2.46	AVG
23	5185.150	102.02	6.87	108.89	---	---	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5230 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

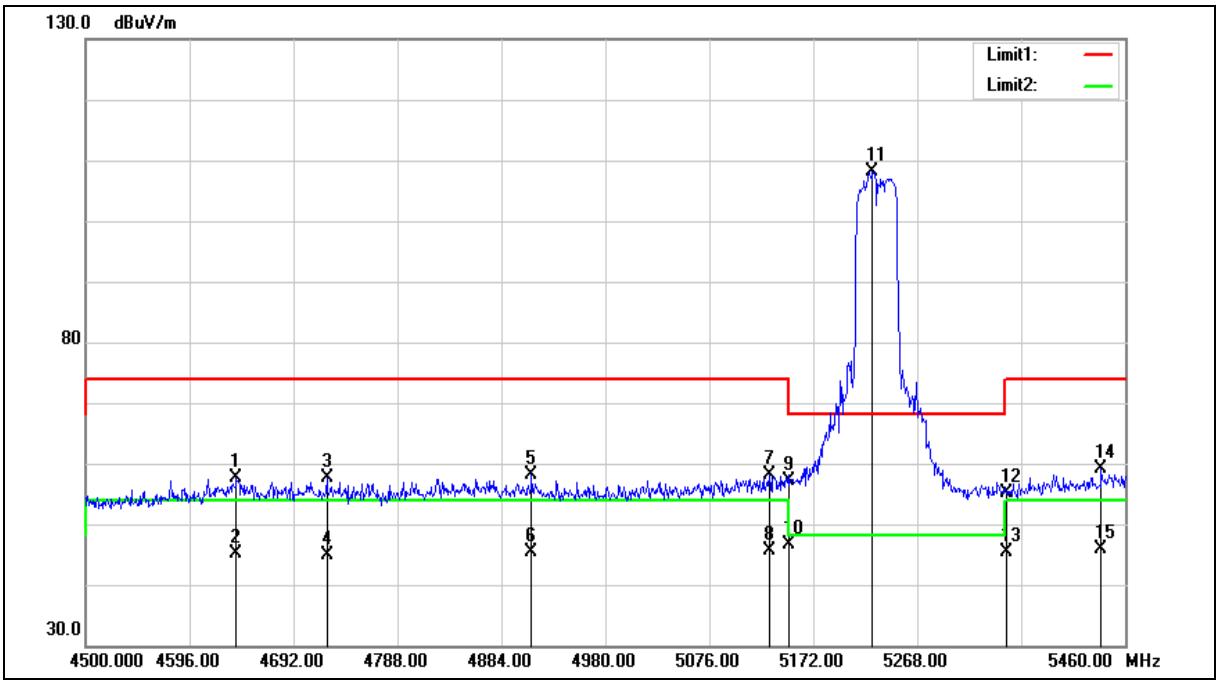
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4631.520	52.19	5.53	57.72	74.00	-16.28	peak
2	4631.520	39.62	5.53	45.15	54.00	-8.85	AVG
3	4794.720	51.78	5.88	57.66	74.00	-16.34	peak
4	4794.720	40.02	5.88	45.90	54.00	-8.10	AVG
5	5006.880	50.71	6.33	57.04	74.00	-16.96	peak
6	5006.880	39.28	6.33	45.61	54.00	-8.39	AVG
7	5127.840	52.53	6.70	59.23	74.00	-14.77	peak
8	5127.840	40.38	6.70	47.08	54.00	-6.92	AVG
9	5140.320	54.48	6.73	61.21	74.00	-12.79	peak
10	5140.320	40.54	6.73	47.27	54.00	-6.73	AVG
11	5150.000	53.13	6.76	59.89	74.00	-14.11	peak
12	5150.000	41.59	6.76	48.35	54.00	-5.65	AVG
13	5222.880	104.20	6.97	111.17	---	---	peak
14	5350.000	47.92	7.35	55.27	74.00	-18.73	peak
15	5350.000	37.47	7.35	44.82	54.00	-9.18	AVG
16	5431.200	51.85	7.60	59.45	74.00	-14.55	peak
17	5431.200	38.47	7.60	46.07	54.00	-7.93	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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

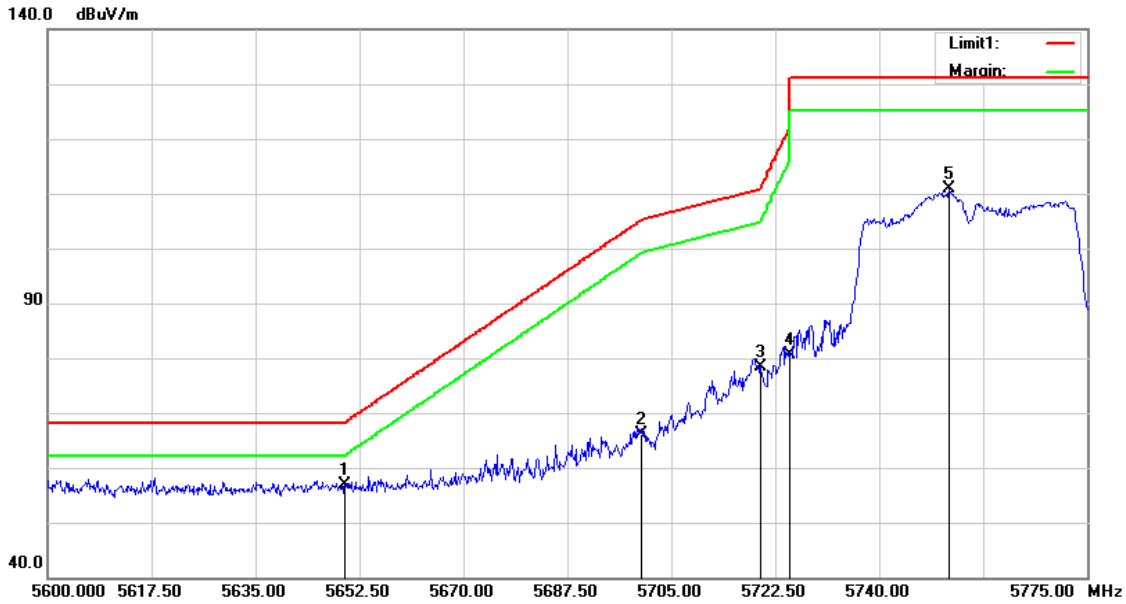
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4639.200	52.00	5.56	57.56	74.00	-16.44	peak
2	4639.200	39.64	5.56	45.20	54.00	-8.80	AVG
3	4722.720	51.78	5.73	57.51	74.00	-16.49	peak
4	4722.720	39.13	5.73	44.86	54.00	-9.14	AVG
5	4911.840	52.04	6.13	58.17	74.00	-15.83	peak
6	4911.840	39.14	6.13	45.27	54.00	-8.73	AVG
7	5131.680	51.36	6.70	58.06	74.00	-15.94	peak
8	5131.680	38.89	6.70	45.59	54.00	-8.41	AVG
9	5150.000	50.31	6.76	57.07	74.00	-16.93	peak
10	5150.000	39.93	6.76	46.69	54.00	-7.31	AVG
11	5226.720	101.14	6.99	108.13	---	---	peak
12	5350.000	47.81	7.35	55.16	74.00	-18.84	peak
13	5350.000	37.92	7.35	45.27	54.00	-8.73	AVG
14	5437.920	51.43	7.62	59.05	74.00	-14.95	peak
15	5437.920	38.28	7.62	45.90	54.00	-8.10	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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



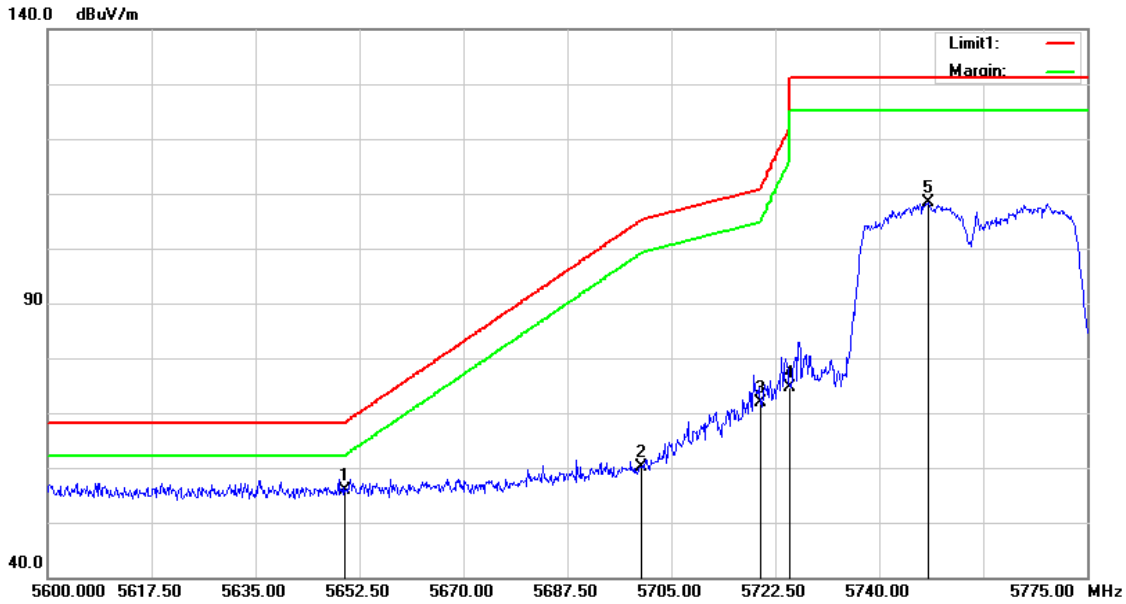
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.73	8.03	56.76	68.20	-11.44	peak
2	5700.000	58.15	8.10	66.25	105.20	-38.95	peak
3	5720.000	70.18	8.13	78.31	110.80	-32.49	peak
4	5725.000	72.57	8.14	80.71	122.20	-41.49	peak
5	5751.725	102.60	8.18	110.78	---	---	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:	5755 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



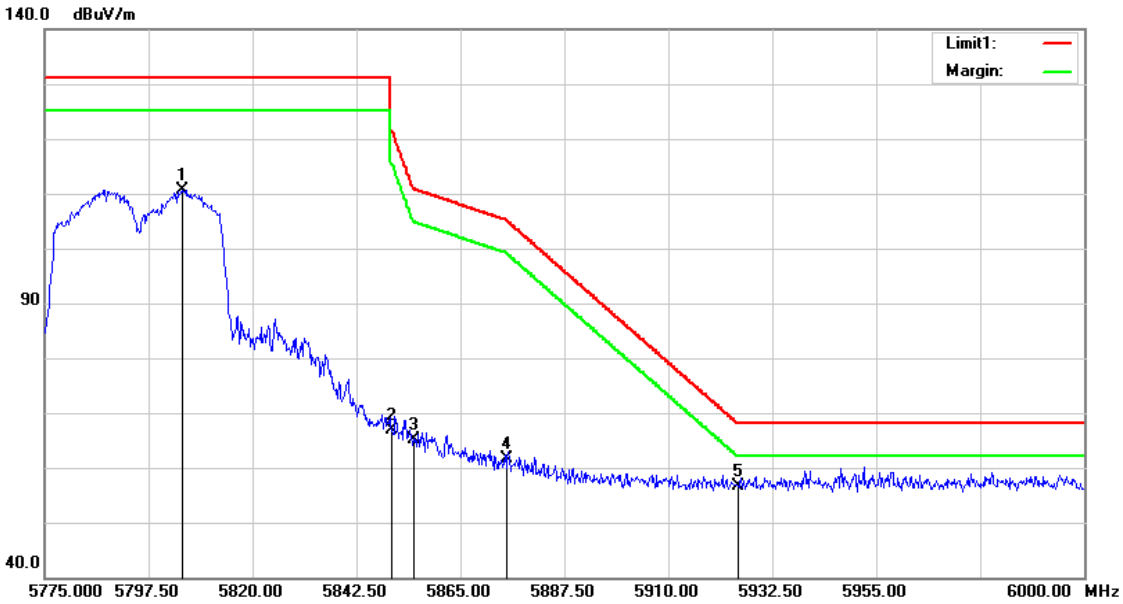
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.93	8.03	55.96	68.20	-12.24	peak
2	5700.000	51.94	8.10	60.04	105.20	-45.16	peak
3	5720.000	63.83	8.13	71.96	110.80	-38.84	peak
4	5725.000	66.57	8.14	74.71	122.20	-47.49	peak
5	5748.225	100.31	8.17	108.48	---	---	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



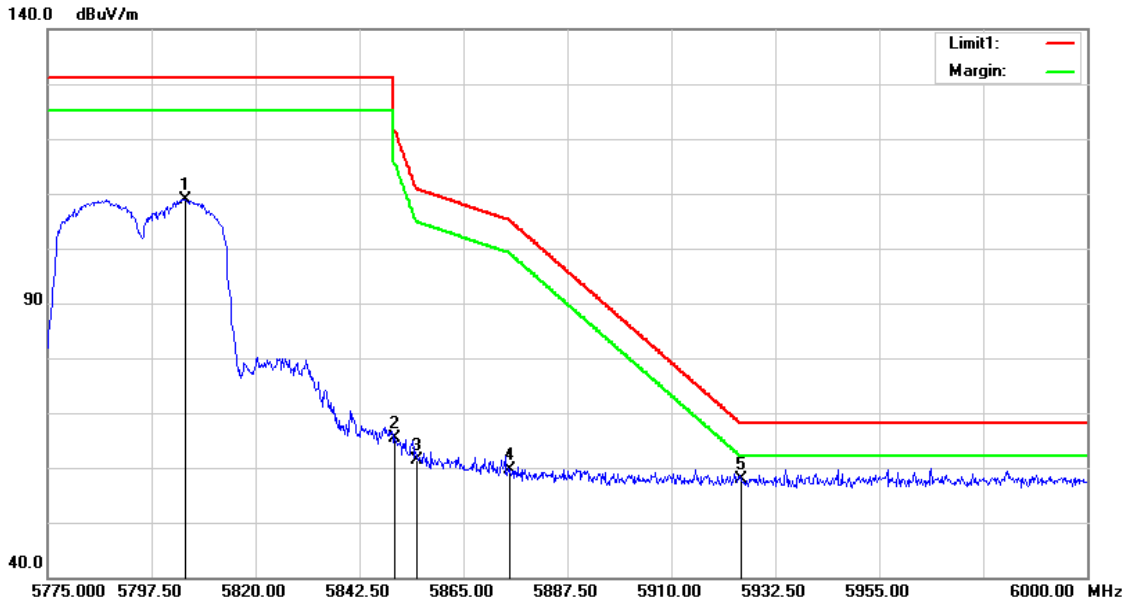
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5804.700	102.46	8.25	110.71	---	---	peak
2	5850.000	58.52	8.32	66.84	122.20	-55.36	peak
3	5855.000	56.84	8.33	65.17	110.80	-45.63	peak
4	5875.000	53.29	8.36	61.65	105.20	-43.55	peak
5	5925.000	48.31	8.44	56.75	68.20	-11.45	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:	5795 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



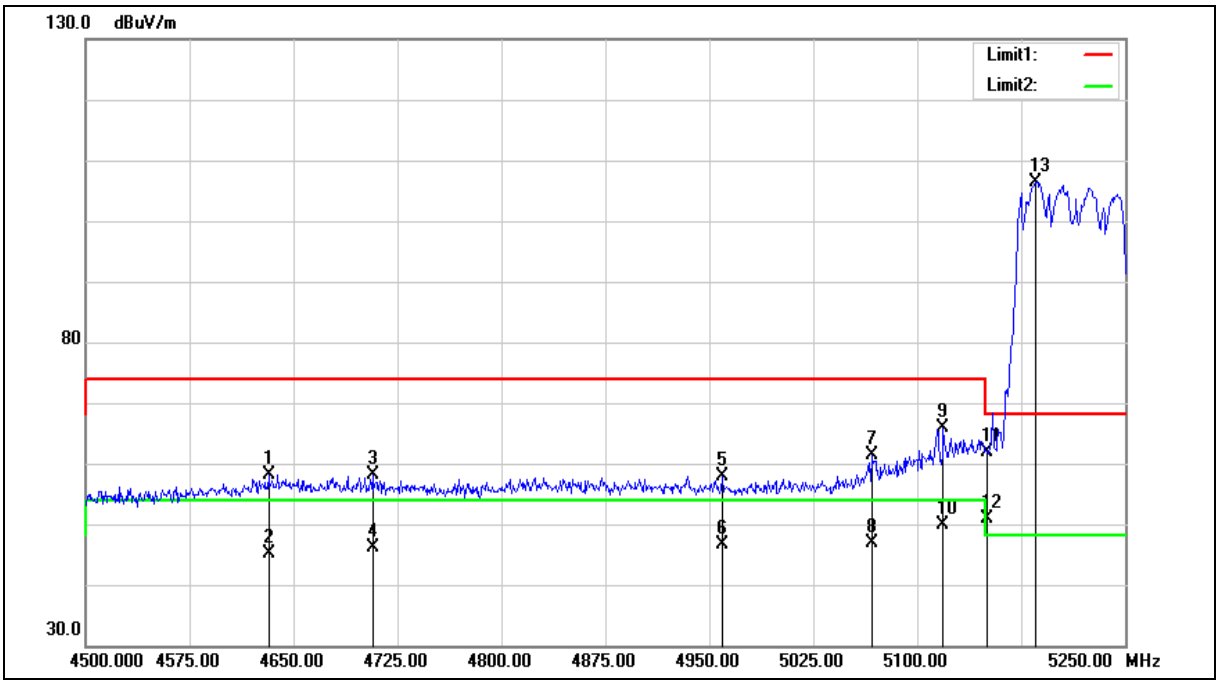
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5804.925	100.71	8.25	108.96	---	---	peak
2	5850.000	57.12	8.32	65.44	122.20	-56.76	peak
3	5855.000	52.94	8.33	61.27	110.80	-49.53	peak
4	5875.000	51.33	8.36	59.69	105.20	-45.51	peak
5	5925.000	49.50	8.44	57.94	68.20	-10.26	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5210 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

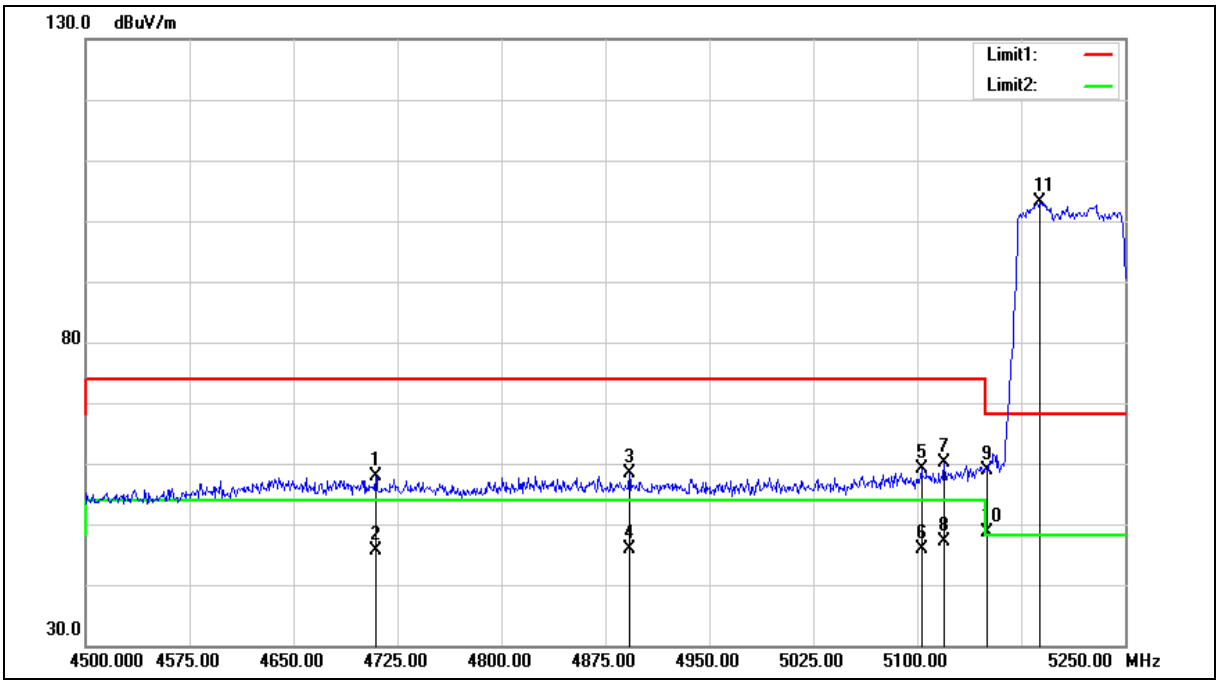
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4632.000	52.63	5.53	58.16	74.00	-15.84	peak
2	4632.000	39.72	5.53	45.25	54.00	-8.75	AVG
3	4707.000	52.38	5.70	58.08	74.00	-15.92	peak
4	4707.000	40.35	5.70	46.05	54.00	-7.95	AVG
5	4959.000	51.68	6.22	57.90	74.00	-16.10	peak
6	4959.000	40.29	6.22	46.51	54.00	-7.49	AVG
7	5067.000	54.81	6.51	61.32	74.00	-12.68	peak
8	5067.000	40.29	6.51	46.80	54.00	-7.20	AVG
9	5118.750	59.16	6.67	65.83	74.00	-8.17	peak
10	5118.750	43.22	6.67	49.89	54.00	-4.11	AVG
11	5150.000	55.19	6.76	61.95	74.00	-12.05	peak
12	5150.000	44.19	6.76	50.95	54.00	-3.05	AVG
13	5185.500	99.43	6.87	106.30	---	---	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

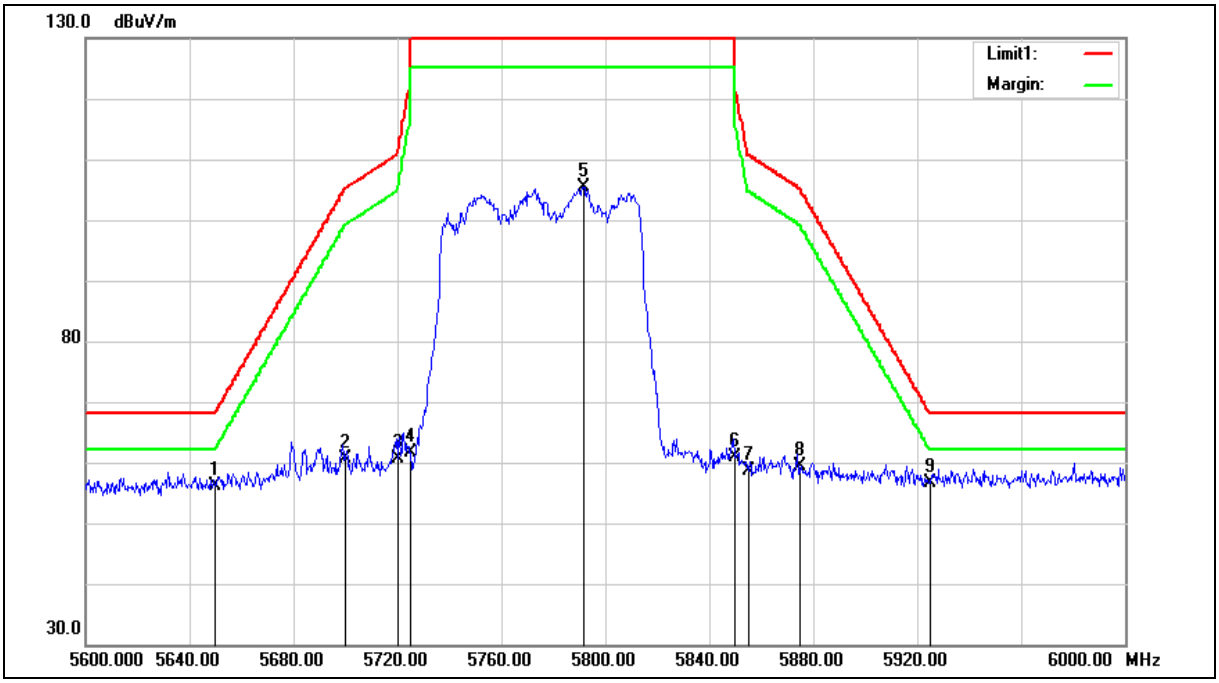
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4709.250	52.18	5.70	57.88	74.00	-16.12	peak
2	4709.250	39.83	5.70	45.53	54.00	-8.47	AVG
3	4892.250	52.29	6.08	58.37	74.00	-15.63	peak
4	4892.250	39.72	6.08	45.80	54.00	-8.20	AVG
5	5103.000	52.51	6.62	59.13	74.00	-14.87	peak
6	5103.000	39.27	6.62	45.89	54.00	-8.11	AVG
7	5119.500	53.49	6.67	60.16	74.00	-13.84	peak
8	5119.500	40.51	6.67	47.18	54.00	-6.82	AVG
9	5150.000	52.00	6.76	58.76	74.00	-15.24	peak
10	5150.000	41.76	6.76	48.52	54.00	-5.48	AVG
11	5188.500	96.14	6.87	103.01	---	---	peak

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

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-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.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

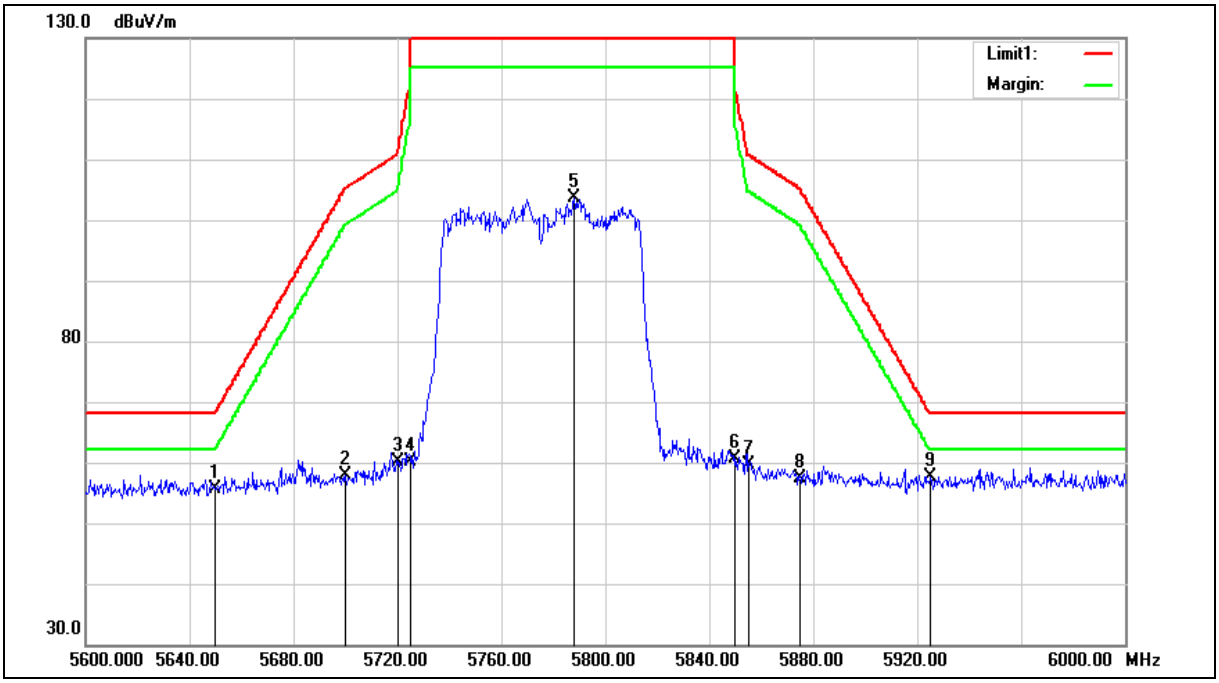
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.12	8.03	56.15	68.20	-12.05	peak
2	5700.000	52.42	8.10	60.52	105.20	-44.68	peak
3	5720.000	52.39	8.13	60.52	110.80	-50.28	peak
4	5725.000	53.42	8.14	61.56	122.20	-60.64	peak
5	5791.600	97.12	8.24	105.36	---	---	peak
6	5850.000	52.51	8.32	60.83	122.20	-61.37	peak
7	5855.000	50.29	8.33	58.62	110.80	-52.18	peak
8	5875.000	50.96	8.36	59.32	105.20	-45.88	peak
9	5925.000	48.08	8.44	56.52	68.20	-11.68	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5775 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/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.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.61	8.03	55.64	68.20	-12.56	peak
2	5700.000	49.85	8.10	57.95	105.20	-47.25	peak
3	5720.000	51.97	8.13	60.10	110.80	-50.70	peak
4	5725.000	51.95	8.14	60.09	122.20	-62.11	peak
5	5788.000	95.27	8.24	103.51	---	---	peak
6	5850.000	52.33	8.32	60.65	122.20	-61.55	peak
7	5855.000	51.41	8.33	59.74	110.80	-51.06	peak
8	5875.000	48.92	8.36	57.28	105.20	-47.92	peak
9	5925.000	49.22	8.44	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.

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	20.33	0.108	19.90	0.098	**23.13**	**0.206**	≤ 30
5200		20.03	0.101	19.83	0.096	22.94	0.197	
5220		19.99	0.100	19.87	0.097	22.94	0.197	
5240		19.91	0.098	19.56	0.090	22.75	0.188	
5745		19.38	0.087	19.24	0.084	22.32	0.171	≤ 30
5765		19.33	0.086	19.24	0.084	22.30	0.170	
5785		19.44	0.088	19.26	0.084	22.36	0.172	
5805		19.51	0.089	19.43	0.088	22.48	0.177	
5825		19.52	0.090	19.45	0.088	**22.50**	**0.178**	

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	20.45	0.111	20.14	0.103	**23.31**	**0.214**	≤ 28.28
5200		20.19	0.104	20.01	0.100	23.11	0.205	
5220		19.91	0.098	19.97	0.099	22.95	0.197	
5240		19.85	0.097	19.82	0.096	22.85	0.193	
5745		19.22	0.084	19.52	0.090	22.38	0.173	≤ 28.52
5765		19.25	0.084	19.50	0.089	**22.39**	**0.173**	
5785		19.27	0.085	19.08	0.081	22.19	0.165	
5805		19.38	0.087	19.06	0.081	22.23	0.167	
5825		19.49	0.089	19.15	0.082	22.33	0.171	

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		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	20.15	0.104	20.07	0.102	**23.12**	**0.205**	≤ 28.28
5230		19.94	0.099	20.11	0.103	23.04	0.201	
5755		19.45	0.088	19.22	0.084	22.35	0.172	≤ 28.52
5795		19.71	0.094	19.67	0.093	**22.70**	**0.186**	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	17.41	0.055	17.25	0.053	**20.34**	**0.108**	≤ 28.28
5775		18.75	0.075	18.70	0.074	**21.74**	**0.149**	≤ 28.52

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		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	17.13	0.052	17.01	0.050	**20.08**	**0.102**	≤ 28.28
5200		17.04	0.051	16.88	0.049	19.97	0.099	
5220		16.81	0.048	16.75	0.047	19.79	0.095	
5240		16.80	0.048	16.68	0.047	19.75	0.094	
5745		16.01	0.040	16.15	0.041	19.09	0.081	≤ 28.52
5765		16.13	0.041	16.24	0.042	**19.20**	**0.083**	
5785		16.06	0.040	15.90	0.039	18.99	0.079	
5805		16.08	0.041	15.92	0.039	19.01	0.080	
5825		16.20	0.042	16.02	0.040	19.12	0.082	

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	17.01	0.050	16.89	0.049	**19.96**	**0.099**	≤ 28.28
5230		16.85	0.048	16.90	0.049	19.89	0.097	
5755		16.20	0.042	16.14	0.041	19.18	0.083	≤ 28.52
5795		16.36	0.043	16.28	0.042	**19.33**	**0.086**	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	14.30	0.027	14.16	0.026	**17.24**	**0.053**	≤ 28.28
5775		15.68	0.037	15.52	0.036	**18.61**	**0.073**	≤ 28.52

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

26 dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	19.900	19.590	16.435	16.482
5200	19.840	19.340	16.465	16.490
5240	20.960	19.730	16.486	16.494

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	20.300	20.250	17.581	17.618
5200	20.540	20.390	17.599	17.624
5240	20.310	20.330	17.608	17.621

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	40.830	44.170	36.128	36.041
5230	46.360	44.460	36.141	36.047

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210	84.260	84.250	75.873	75.748

Note: The 99 % occupied bandwidth not crossed 5250 MHz.

Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	20.230	20.180	17.606	17.611
5200	20.010	20.120	17.614	17.608
5240	20.140	20.260	17.600	17.608

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	40.390	40.230	36.012	36.004
5230	40.290	40.250	35.987	35.995

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210	84.500	84.510	75.739	75.742

Note: The 99 % occupied bandwidth not crossed 5250 MHz.