

RF Test Report

Applicant : DIGI SINGAPORE PTE LTD

Product Type : IEEE 802.11a/b/g/n/ac 2x2 WirelessLAN USB Client

Trade Name : DIGI

Model Number : AP-3002AN

Test Specification : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013

Receive Date : Oct. 04, 2018

Test Period : Nov. 01 ~ Nov. 09, 2018

Issue Date : Nov. 14, 2018

Issue by

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

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Nov. 14, 2018	Initial Issue	Janet Chao

Verification of Compliance

Issued Date: Nov. 14, 2018

Applicant : DIGI SINGAPORE PTE LTD
Product Type : IEEE 802.11a/b/g/n/ac 2x2 WirelessLAN USB Client
Trade Name : DIGI
Model Number : AP-3002AN
FCC ID : SUFAP3002AN
EUT Rated Voltage : DC 5 V, 680 mA
Test Voltage : 120 Vac / 60 Hz, DC 5 V
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,
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>



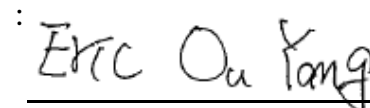
A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By :



(Manager)

Reviewed By :



(Testing Engineer)

(Eric Ou Yang)

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
FCC			
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	Reference	---
15.407(e)	6 dB RF Bandwidth	PASS	---
15.407(a)	Maximum Power Spectral Density	PASS	---
15.407(g)	Frequency Stability	PASS	---
15.407(c)	Automatically discontinue transmission	PASS	---
15.407(a) 15.203	Antenna Requirement	PASS	---

The test results of this report relate only to the tested sample(s) identified in this report.

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	9 kHz ~ 150 kHz	2.7
	150 kHz ~ 30 MHz	2.7
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.5
	18000 MHz ~ 26500 MHz	4.8
	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 %

2 EUT Description

Applicant	DIGI SINGAPORE PTE LTD 4 Leng Kee Rd, #05-03/04/05&11, SIS Building, Singapore 159088			
Manufacturer	DIGI SINGAPORE PTE. LTD. 4 Leng Kee Rd, #05-03/04/05&11, SIS Building, Singapore 159088			
Product Type	IEEE 802.11a/b/g/n/ac 2x2 WirelessLAN USB Client			
Trade Name	DIGI			
Model No.	AP-3002AN			
FCC ID	SUFAP3002AN			
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels
	IEEE 802.11a	U-NII Band I	5180 – 5240	4
		U-NII Band II-A	5260 – 5320	4
		U-NII Band II-C	5500 – 5700	8
		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 II-A	5260 – 5320	4
		U-NII Band II-C	5500 – 5700	8
		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 II-A	5270 – 5310	2
		U-NII Band II-C	5510 – 5670	3
		U-NII Band III	5755 – 5795	2
	IEEE 802.11ac 80 MHz	U-NII Band I	5210	1
		U-NII Band II-A	5290	1
		U-NII Band II-C	5530	1
U-NII Band III		5775	1	
Modulation Type	OFDM			
Equipment Type	Client without radar detection			

Antenna information	ANT	Model Number	Type	Frequency	Max. Gain (dBi)
	ANT-0	AP-3002AN-ANT1	PIFA antenna	U-NII Band I	4.67
				U-NII Band II-A	4.65
				U-NII Band II-C	4.54
				U-NII Band III	3.69
	ANT-1	AP-3002AN-ANT2	PIFA antenna	U-NII Band I	4.36
				U-NII Band II-A	3.70
				U-NII Band II-C	4.38
				U-NII Band III	4.72
	G _{ANT}			U-NII Band I	4.52
				U-NII Band II-A	4.20
				U-NII Band II-C	4.46
				U-NII Band III	4.24
Antenna Delivery	Reference section 3.1				
Frequency stability specification	± 20 ppm				
Operate Temp. Range	0 ~ 60 °C				



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.091
	U-NII Band II-A	0.091
	U-NII Band II-C	0.091
	U-NII Band III	0.093
IEEE 802.11ac 20 MHz	U-NII Band I	0.072
	U-NII Band II-A	0.072
	U-NII Band II-C	0.073
	U-NII Band III	0.145
IEEE 802.11ac 40 MHz	U-NII Band I	0.146
	U-NII Band II-A	0.145
	U-NII Band II-C	0.145
	U-NII Band III	0.144
IEEE 802.11ac 80 MHz	U-NII Band I	0.141
	U-NII Band II-A	0.144
	U-NII Band II-C	0.143
	U-NII Band III	0.145

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

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.

Note: ANT-0 for IEEE 802.11a is the worst case.

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

Test Mode	Antenna Delivery	Data Rate	Band	Test Channel
Mode 2	1TX (Diversity)	6 M	U-NII Band I	36, 40, 44, 48
			U-NII Band II-A	52, 56, 60, 64
			U-NII Band II-C	100, 104, 108, 112, 116, 132, 136, 140
			U-NII Band III	149, 153, 157, 161, 165
Mode 3	2TX (STBC)	13 M	U-NII Band I	36, 40, 44, 48
			U-NII Band II-A	52, 56, 60, 64
			U-NII Band II-C	100, 104, 108, 112, 116, 132, 136, 140
			U-NII Band III	149, 153, 157, 161, 165
Mode 4	2TX (STBC)	27 M	U-NII Band I	38, 46
			U-NII Band II-A	54, 62
			U-NII Band II-C	102, 110, 134
			U-NII Band III	151, 159
Mode 5	2TX (STBC)	58.6 M	U-NII Band I	42
			U-NII Band II-A	58
			U-NII Band II-C	106
			U-NII Band III	155

**Duty cycle**

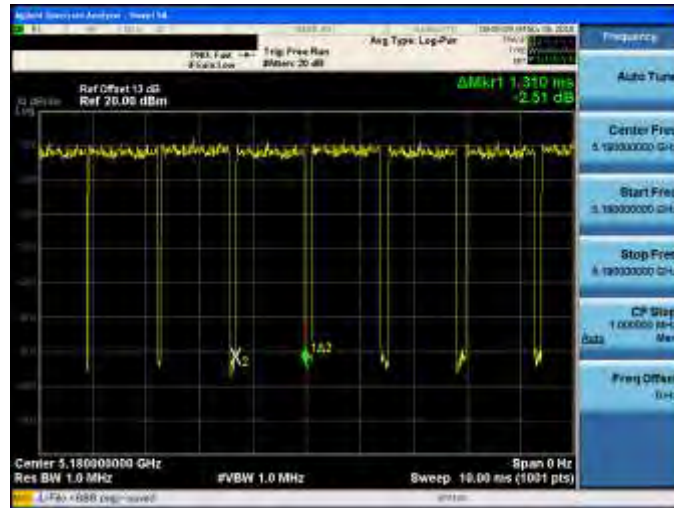
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	1.380	1.450	0.952	0.215	0.725
Mode 3	5180.0	1.310	1.420	0.923	0.350	0.763
Mode 4	5190.0	0.670	0.770	0.870	0.604	1.493
Mode 5	5210.0	0.360	0.450	0.800	0.969	2.778

Duty Cycle Graphs

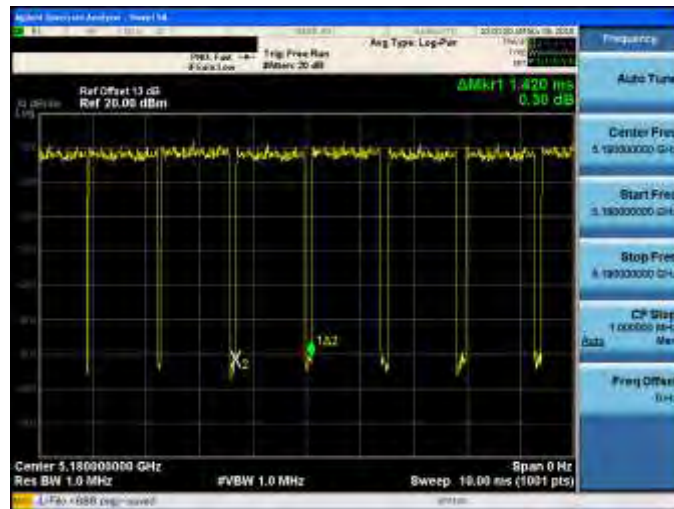
Mode 2: IEEE 802.11a Continuous TX mode	
On time	
On+off time	

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

On time



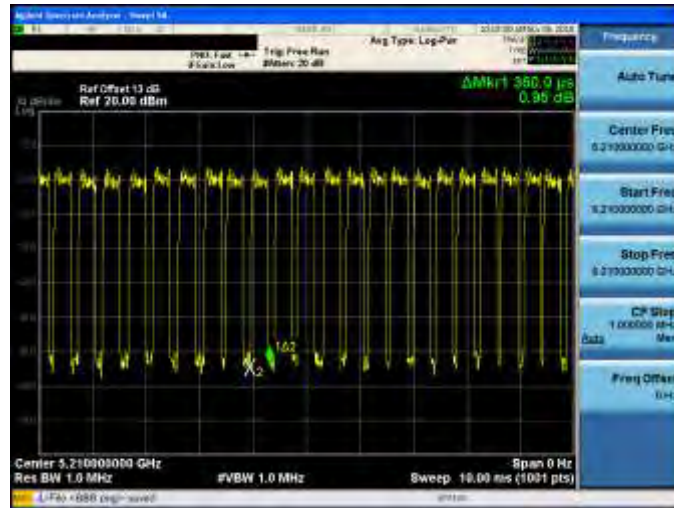
On+off time



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
On time	 The screenshot shows a spectrum analyzer interface with a yellow signal trace. The top status bar indicates 'Ref Offset 13 dB' and 'Ref 20.00 dBm'. The right sidebar shows 'Auto Tune' and 'Center Freq 5.19000000 GHz'. The bottom status bar shows 'Center 5.19000000 GHz', 'Res BW 1.0 MHz', and 'Sweep 10.00 ms (1001 pts)'. A green cursor is positioned at the signal peak, displaying 'ΔMkrt 870.0 μs' and '1.90 dB'.
On+off time	 The screenshot shows a spectrum analyzer interface with a yellow signal trace. The top status bar indicates 'Ref Offset 13 dB' and 'Ref 20.00 dBm'. The right sidebar shows 'Auto Tune' and 'Center Freq 5.19000000 GHz'. The bottom status bar shows 'Center 5.19000000 GHz', 'Res BW 1.0 MHz', and 'Sweep 10.00 ms (1001 pts)'. A green cursor is positioned at the signal peak, displaying 'ΔMkrt 770.0 μs' and '2.74 dB'.

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

On time



On+off time





3.2. EUT Test Step

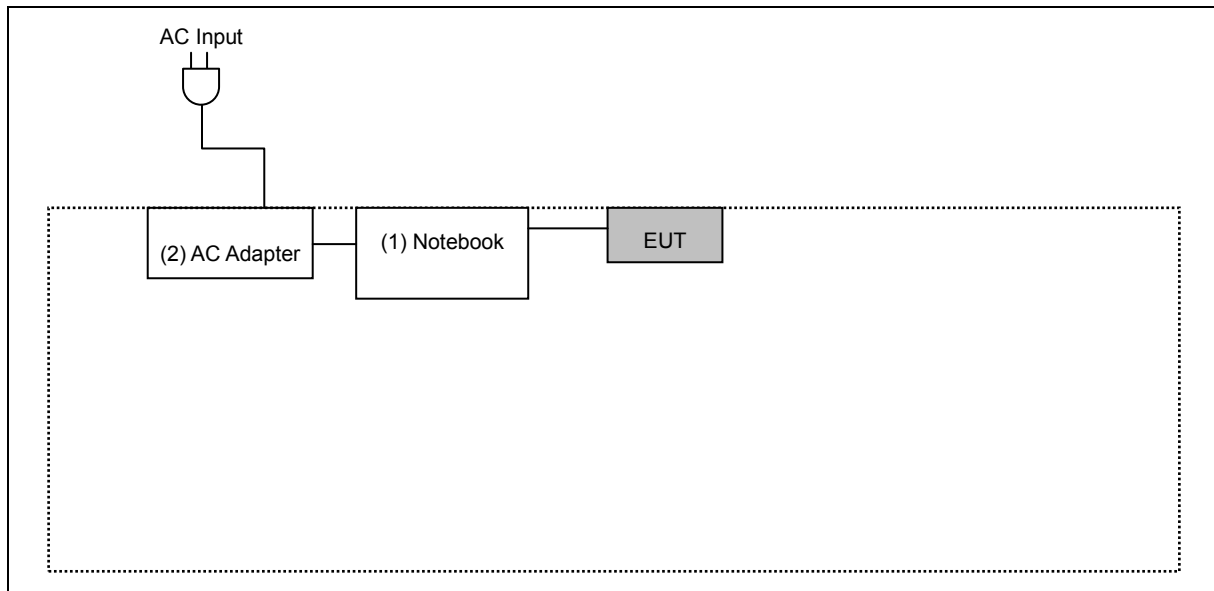
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

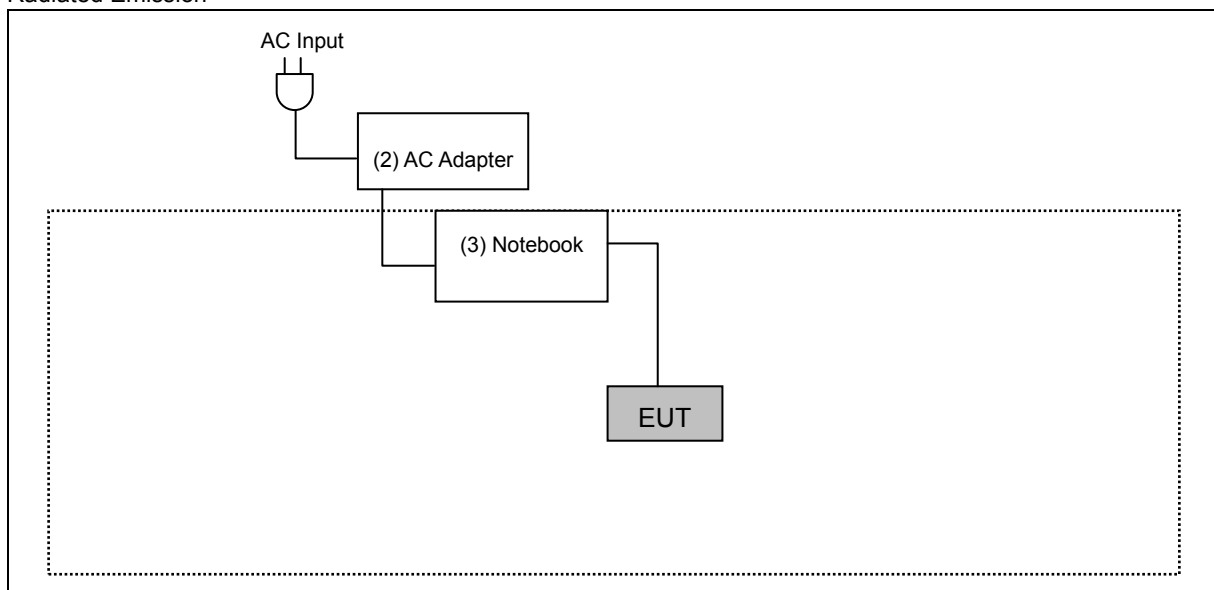
Measurement Software			
No.	Description	Software	Version
1	AC Power Line Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



Devices Description						
	Product	Manufacturer	Model Number	Serial Number	Power Cord	Remark
(1)	Notebook	DELL	LATITUDE E6440	5HZBD72	---	---
(2)	AC Adapter	DELL	HA65NM130	'---	Non-shielded, 0.8 m	INPUT : AC 100 V to 240 V, 50 Hz / 60 Hz, 1.7 A OUTPUT : DC 19.5 V, 3.34 A
(3)	Notebook	DELL	LATITUDE E5440	BRTQXY1	---	---

3.4. Test Instruments

For Conducted Emission

Test Period: Nov. 01, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/21/2018	1 year
LISN	R&S	ENV216	101040	04/11/2018	1 year
LISN	R&S	ENV216	101041	03/23/2018	1 year

For Radiated Emissions

Test Period: Nov.01~Nov. 05, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/15/2018	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/19/2018	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/10/2018	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/23/2018	1 year
Trilog Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	SB AC VULB	9168-0841	03/02/2018	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/23/2018	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/13/2018	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2018	1 year
Microwave Cable	EMCI	EMC104-SM-SM- 13000	170814	11/20/2017	1 year
Microwave Cable	EMCI	EMC102-KM-KM- 14000	151001	02/20/2018	1 year
Broadband Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	9170	9170-320	08/07/2018	1 year

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



For Conducted

Test Period: Nov. 05 ~ Nov. 09, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Power Sensor	Anritsu	MA2411B	1126022	08/29/2018	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2018	1 year
Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	01/02/2018	1 year
Microwave Cable	EMCI	EMC102-SM- SM1500	001	11/22/2017	1 year
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/16/2018	1 year

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

3.5. Test Site Environment

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

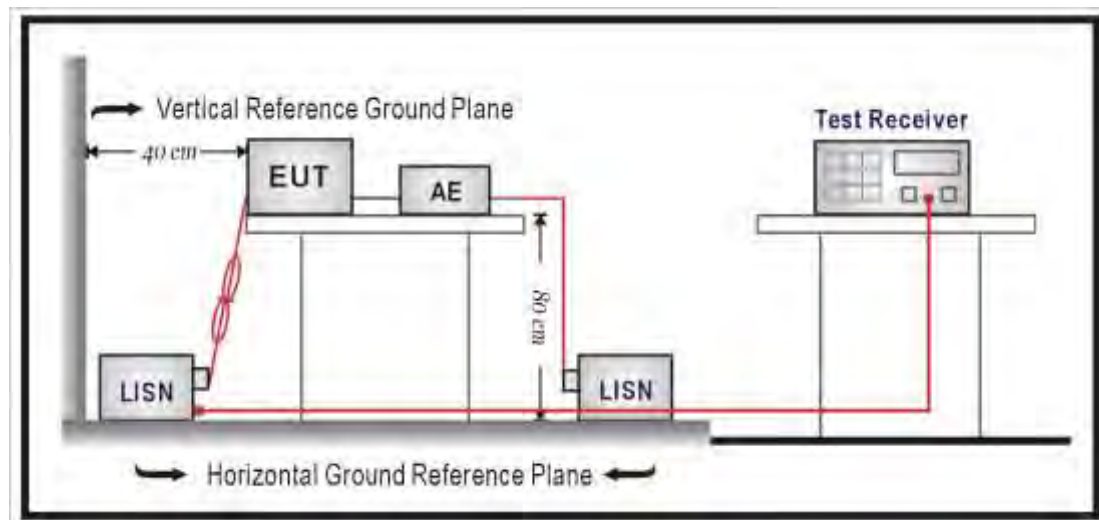
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

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

(a)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(b)For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(c)For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(d)For transmitters operating in the 5.725-5.85 GHz band:

(i)All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2)Limits of Radiated Emission Measurement

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

Frequency Range (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

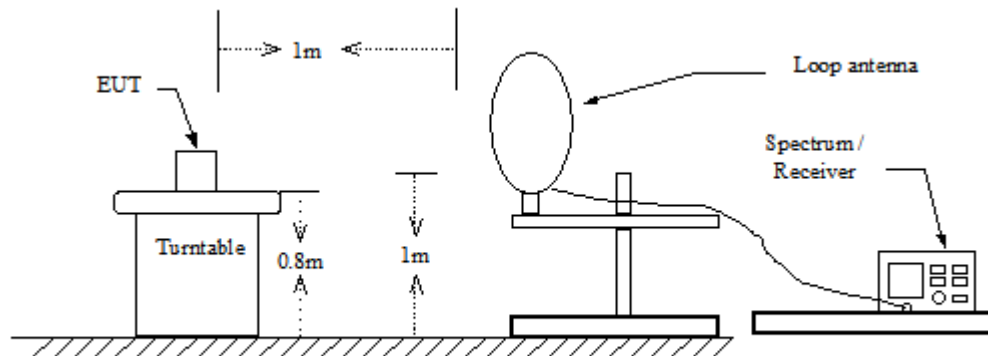
Note: 1. The lower limit shall apply at the transition frequencies.

2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

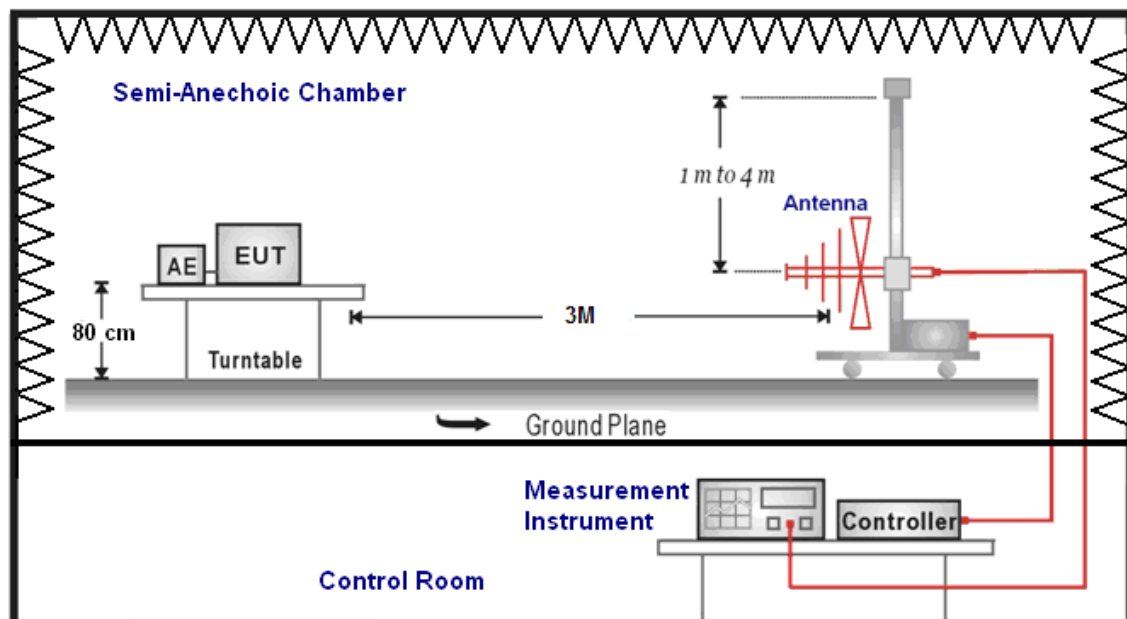
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

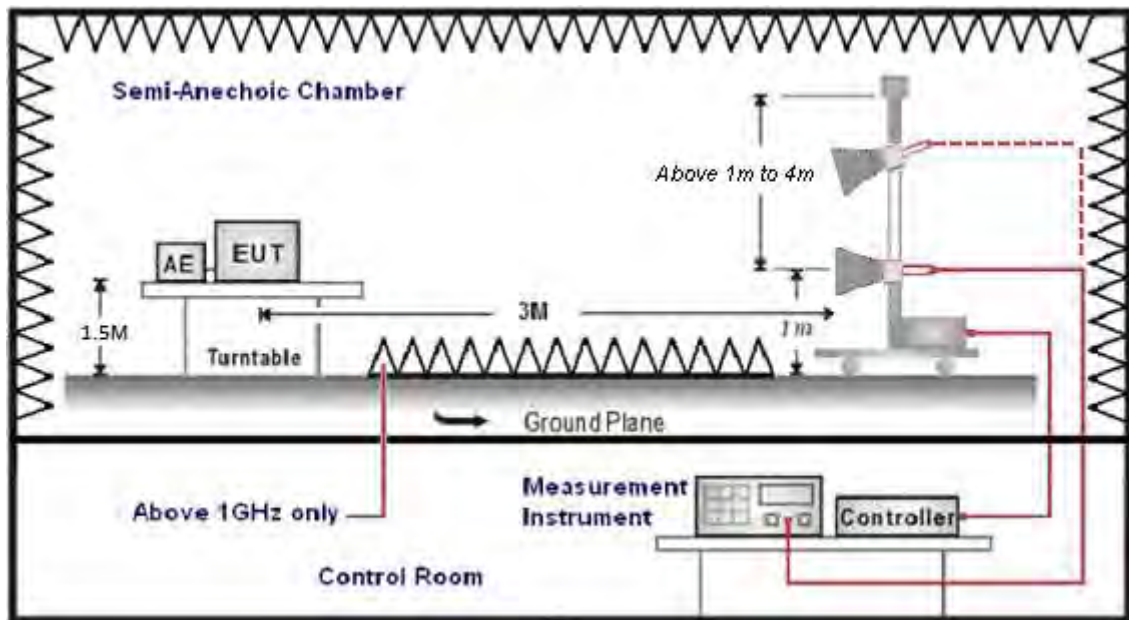
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



■ Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For restricted measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle > 0.98 / 1/T for average measurements when Duty cycle < 0.98.

For out of band measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antenna Schwarzbeck Mess-Elektronik Broadband Horn Antenna was used in frequencies 1 – 40 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

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

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

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

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

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

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 and Transmit power control Measurement

■ Limit

Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit
	Client
5.150 ~ 5.250 GHz	The lesser of 250 mW (24 dBm)
5.250 ~ 5.350 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)
5.470 ~ 5.725 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)
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,

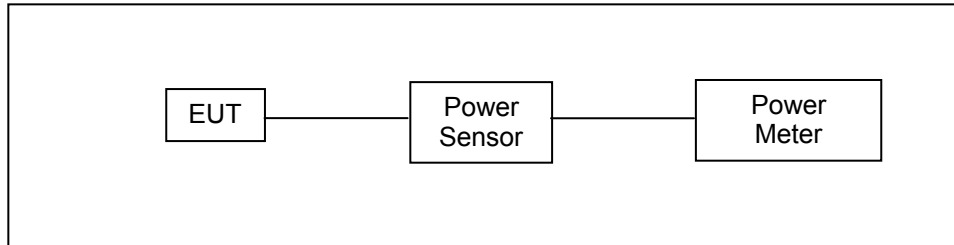
IEEE 802.11a

- * Diversity mode for ANT-0 : Max. Gain = 4.67 dBi < 6 dBi (5.150 ~ 5.250 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 4.65 dBi < 6 dBi (5.250 ~ 5.350 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 4.54 dBi < 6 dBi (5.470 ~ 5.725 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 3.69 dBi < 6 dBi (5.725 ~ 5.850 GHz)

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

- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.52 dBi < 6dBi (5.150 ~ 5.250 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.20 dBi < 6dBi (5.250 ~ 5.350 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.46 dBi < 6dBi (5.470 ~ 5.725 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.24 dBi < 6dBi (5.725 ~ 5.850 GHz)

■ Test Setup



■ Test Procedure

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v02r01, 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)

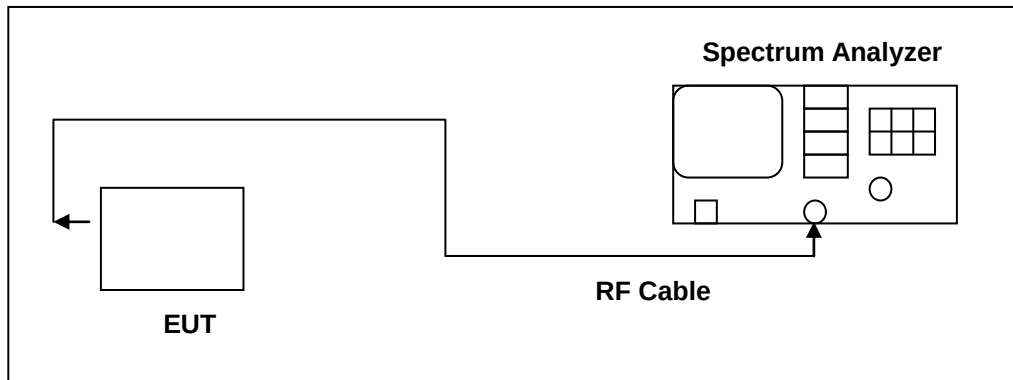
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth Measurement

■ Limit

N/A

■ Test Setup



■ Test Procedure

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v02r01, 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

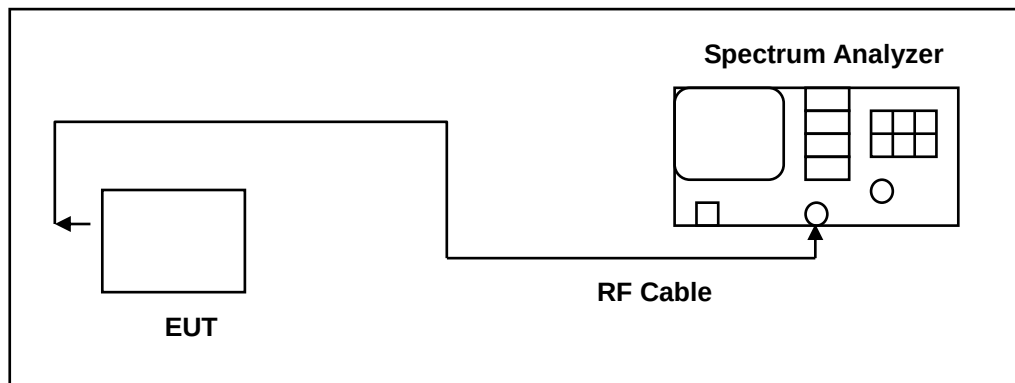
4.5. 6 dB RF Bandwidth Measurement

■ 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 KDB789033 D02 v02r01 for compliance to FCC 47CFR 15.407 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

■ Limit

Conducted power spectral density

Frequency Range (MHz)	FCC Limit
	Client
5.150 ~ 5.250 GHz	11 dBm/MHz
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.725 GHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz

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

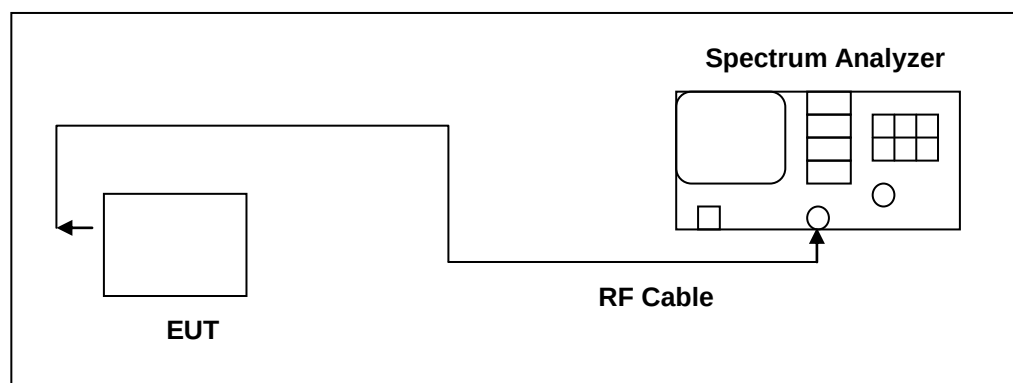
IEEE 802.11a

- * Diversity mode for ANT-0 : Max. Gain = 4.67 dBi < 6 dBi (5.150 ~ 5.250 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 4.65 dBi < 6 dBi (5.250 ~ 5.350 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 4.54 dBi < 6 dBi (5.470 ~ 5.725 GHz)
- * Diversity mode for ANT-0 : Max. Gain = 3.69 dBi < 6 dBi (5.725 ~ 5.850 GHz)

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

- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.52 dBi < 6dBi (5.150 ~ 5.250 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.20 dBi < 6dBi(5.250 ~ 5.350 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.46 dBi < 6dBi (5.470 ~ 5.725 GHz)
- * STBC mode : Directional Gain $=G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\}$
=4.24 dBi < 6dBi (5.725 ~ 5.850 GHz)

■ Test Setup



**■ Test Procedure**

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v02r01, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

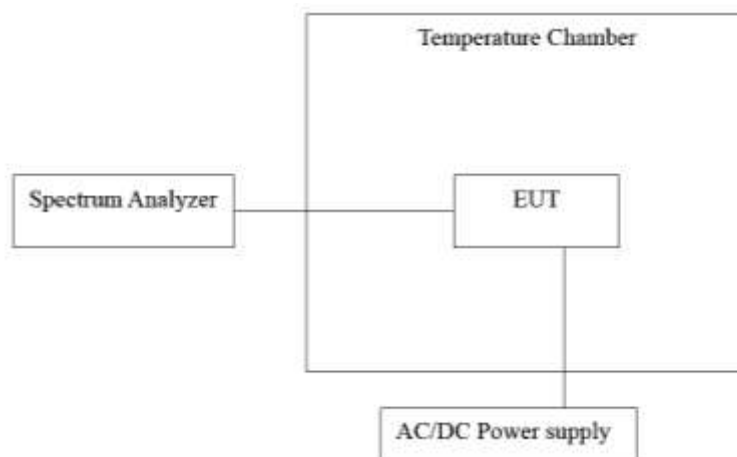
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz (5725 ~ 5850 MHz use 100 kHz)
VBW	3 MHz (5725 ~ 5850 MHz use 300 kHz)
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of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

4.7. Frequency Stability Measurement

■ Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

■ Test Setup



■ Test Procedure

1. The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85 % to 115 % and the frequency record.

4.8. 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.



4.9. 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.

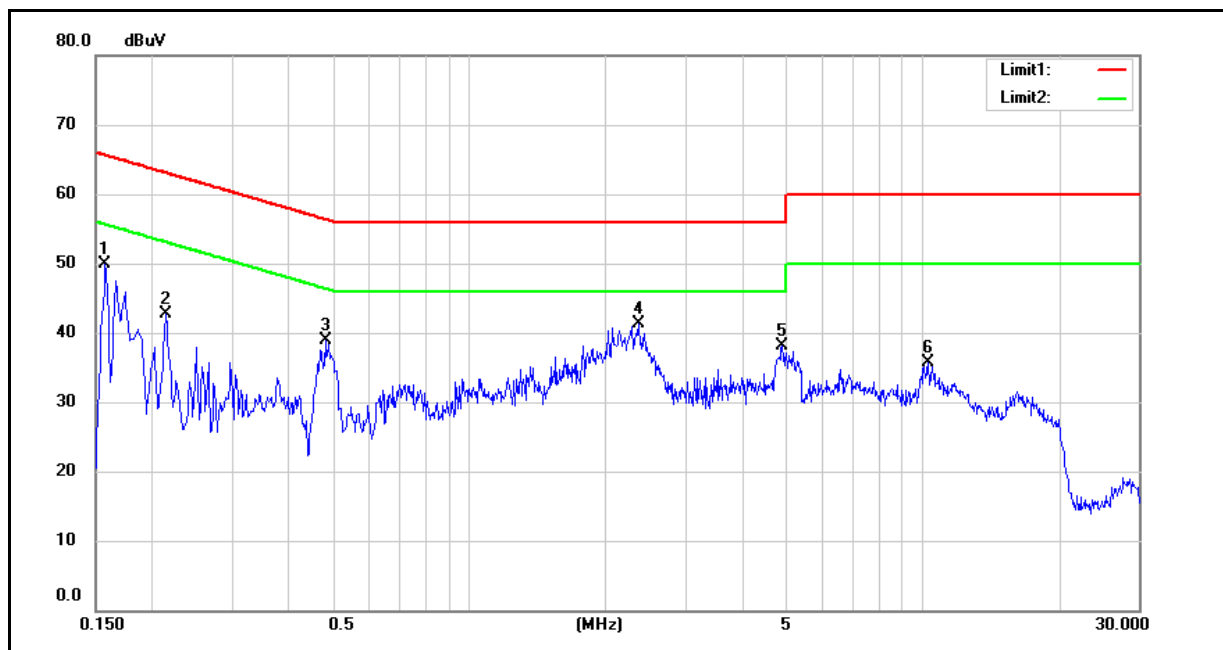
■ Directional Gain Calculated

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	4.67
	U-NII Band II-A	4.65
	U-NII Band II-C	4.54
	U-NII Band III	3.69
IEEE 802.11ac 20 MHz	U-NII Band I	4.52
	U-NII Band II-A	4.20
	U-NII Band II-C	4.46
	U-NII Band III	4.24
IEEE 802.11ac 40 MHz	U-NII Band I	4.52
	U-NII Band II-A	4.20
	U-NII Band II-C	4.46
	U-NII Band III	4.24
IEEE 802.11ac 80 MHz	U-NII Band I	4.52
	U-NII Band II-A	4.20
	U-NII Band II-C	4.46
	U-NII Band III	4.24

5 Test Results

5.1. AC Power Conducted Emission Measurement

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

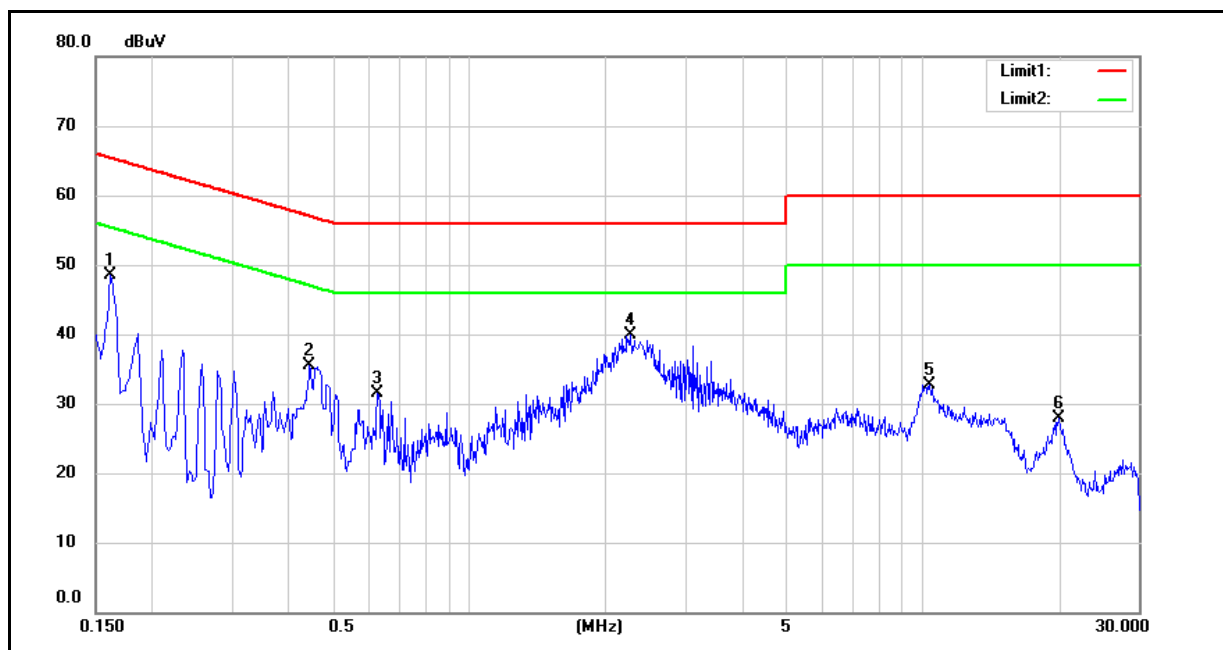


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	31.60	16.05	9.60	41.20	25.65	65.57	55.57	-24.37	-29.92	Pass
2	0.2140	26.25	14.91	9.60	35.85	24.51	63.05	53.05	-27.20	-28.54	Pass
3	0.4820	25.42	19.61	9.60	35.02	29.21	56.30	46.30	-21.28	-17.09	Pass
4	2.3700	26.75	21.64	9.68	36.43	31.32	56.00	46.00	-19.57	-14.68	Pass
5	4.9220	18.23	12.98	9.76	27.99	22.74	56.00	46.00	-28.01	-23.26	Pass
6	10.2900	20.08	14.98	9.86	29.94	24.84	60.00	50.00	-30.06	-25.16	Pass

Note: 1. Result = Correction factor + Reading

2. Correction factor = Antenna Factor + Cable loss – Pre-Amplifier gain.

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	34.08	21.62	9.71	43.79	31.33	65.36	55.36	-21.57	-24.03	Pass
2	0.4460	21.17	15.47	9.71	30.88	25.18	56.95	46.95	-26.07	-21.77	Pass
3	0.6300	18.23	13.25	9.72	27.95	22.97	56.00	46.00	-28.05	-23.03	Pass
4	2.2620	26.73	21.72	9.78	36.51	31.50	56.00	46.00	-19.49	-14.50	Pass
5	10.3660	17.77	12.48	9.99	27.76	22.47	60.00	50.00	-32.24	-27.53	Pass
6	20.0020	12.93	8.03	10.20	23.13	18.23	60.00	50.00	-36.87	-31.77	Pass

Note: 1. Result = Correction factor + Reading

2. Correction factor = Antenna Factor + Cable loss – Pre-Amplifier gain.

5.2. Transmitter Radiated Emissions Measurement

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
191.9900	42.53	-7.74	34.79	43.50	-8.71	QP	H
229.8200	46.01	-6.80	39.21	46.00	-6.79	QP	H
267.6500	46.51	-5.02	41.49	46.00	-4.51	QP	H
305.4800	40.07	-3.68	36.39	46.00	-9.61	QP	H
418.9700	36.34	-1.42	34.92	46.00	-11.08	QP	H
457.7700	34.94	-0.41	34.53	46.00	-11.47	QP	H
191.0200	41.98	-7.71	34.27	43.50	-9.23	QP	V
229.8200	44.72	-6.80	37.92	46.00	-8.08	QP	V
382.1100	37.21	-2.28	34.93	46.00	-11.07	QP	V
461.6500	38.07	-0.37	37.70	46.00	-8.30	QP	V
535.3700	39.96	0.74	40.70	46.00	-5.30	QP	V
883.6000	28.98	7.37	36.35	46.00	-9.65	QP	V

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

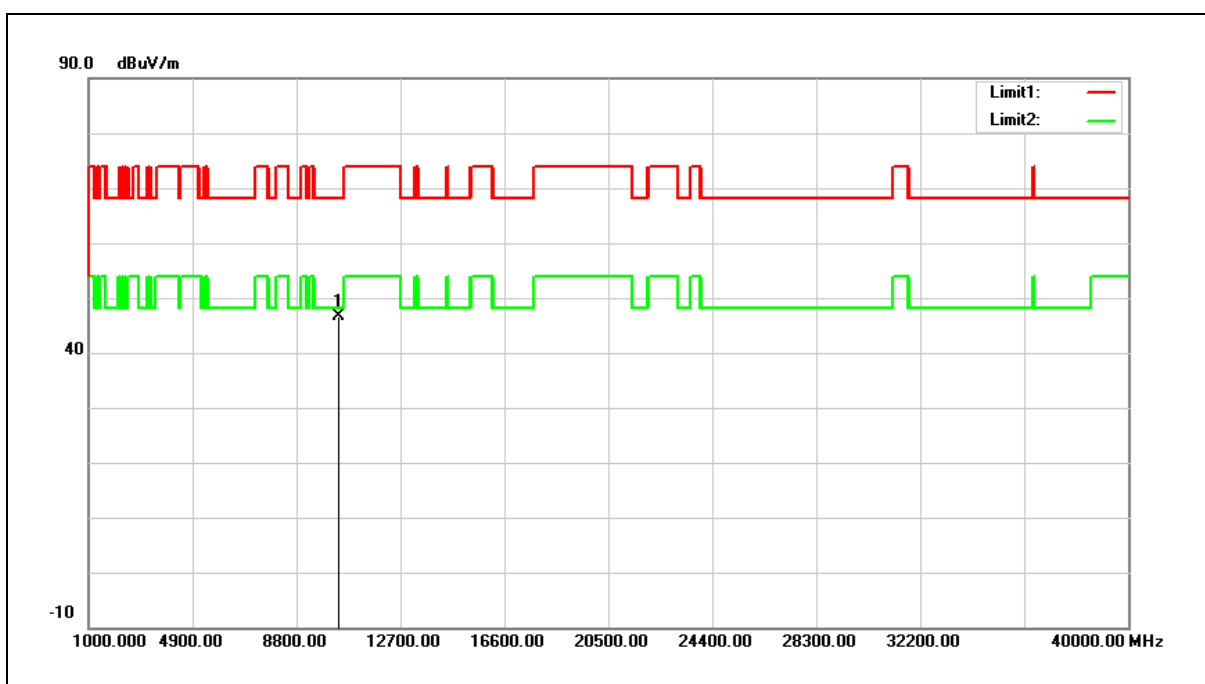
ex: 34.79= -7.74 + 42.53

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

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

Above 1 GHz

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	29.85	16.66	46.51	68.20	-21.69	peak

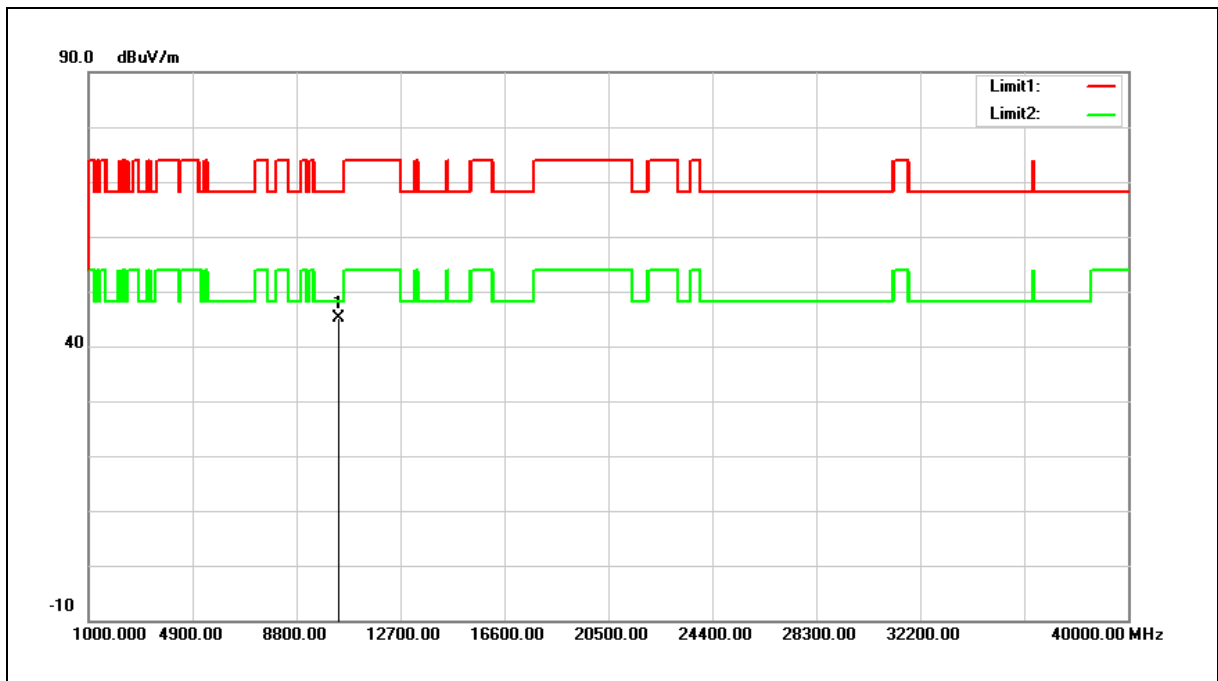
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

ex: 46.51= 16.66 + 29.85

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	28.53	16.66	45.19	68.20	-23.01	peak

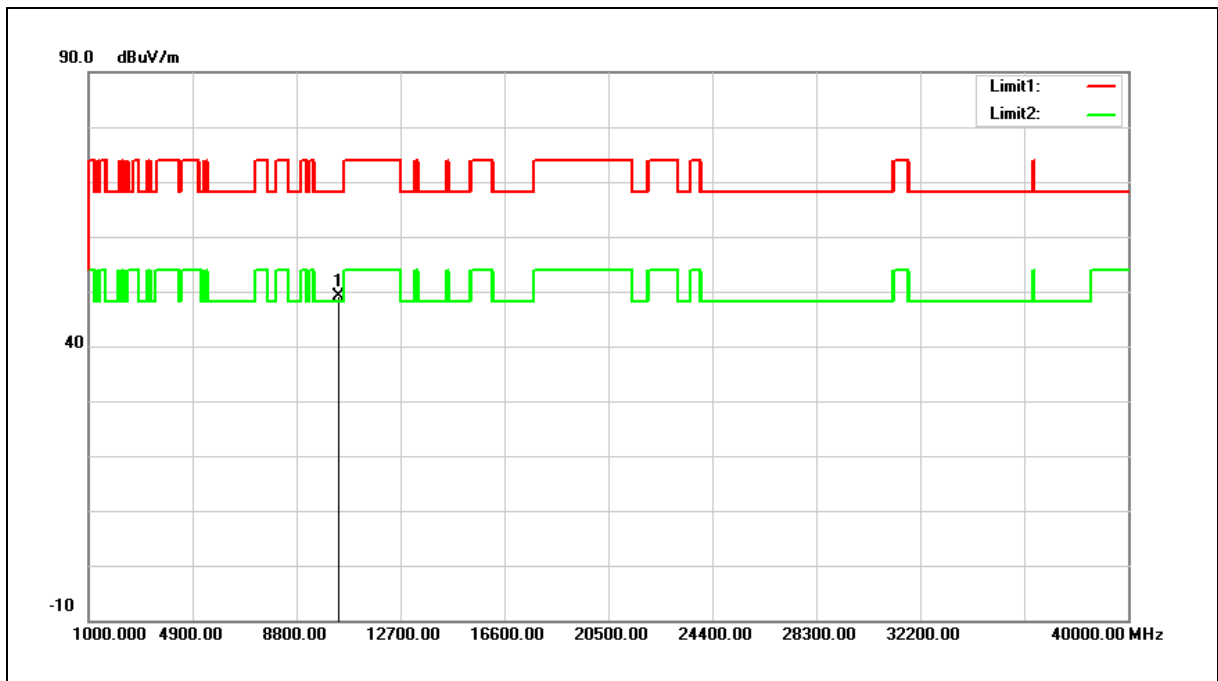
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

ex: 45.19= 16.66 + 28.53

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

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

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



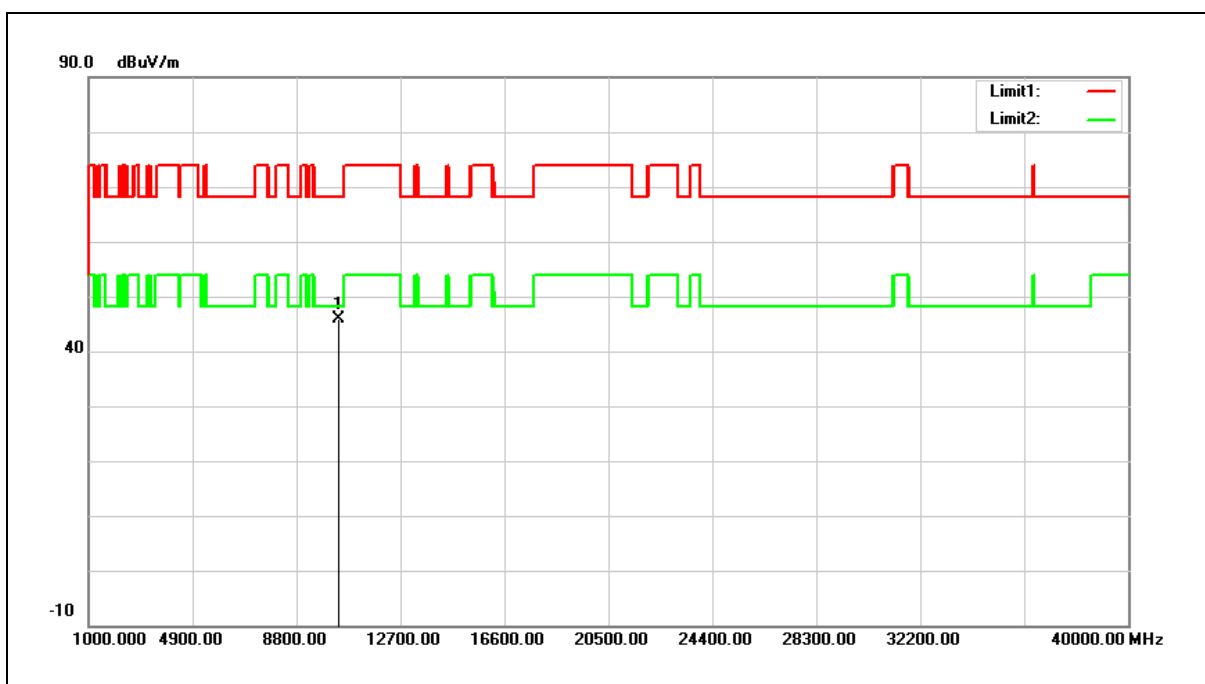
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.36	16.79	49.15	68.20	-19.05	peak

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

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

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

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



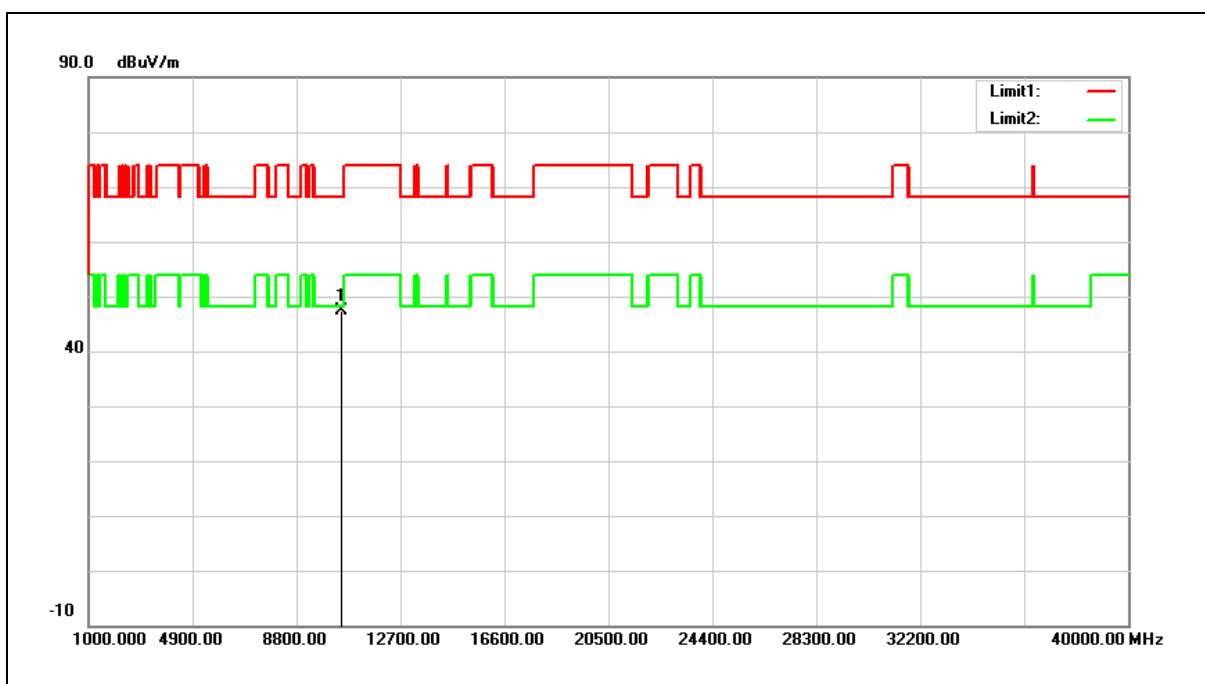
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	29.19	16.79	45.98	68.20	-22.22	peak

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

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

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

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



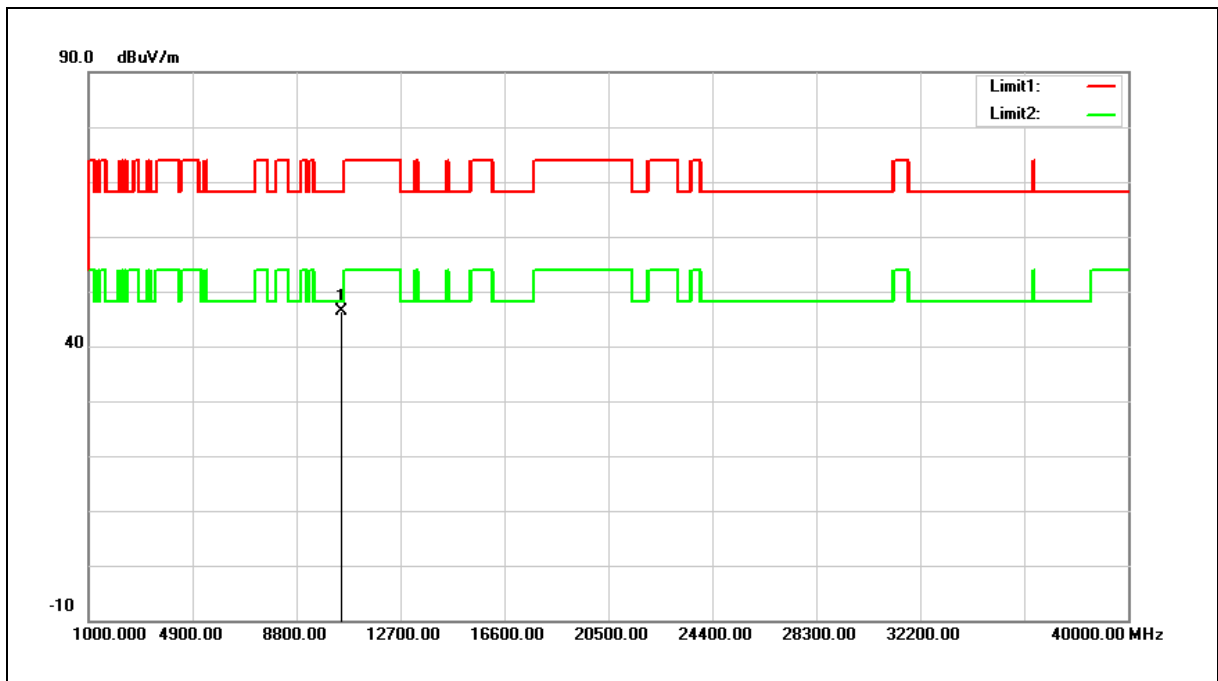
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	30.29	17.05	47.34	68.20	-20.86	peak

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

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

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

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



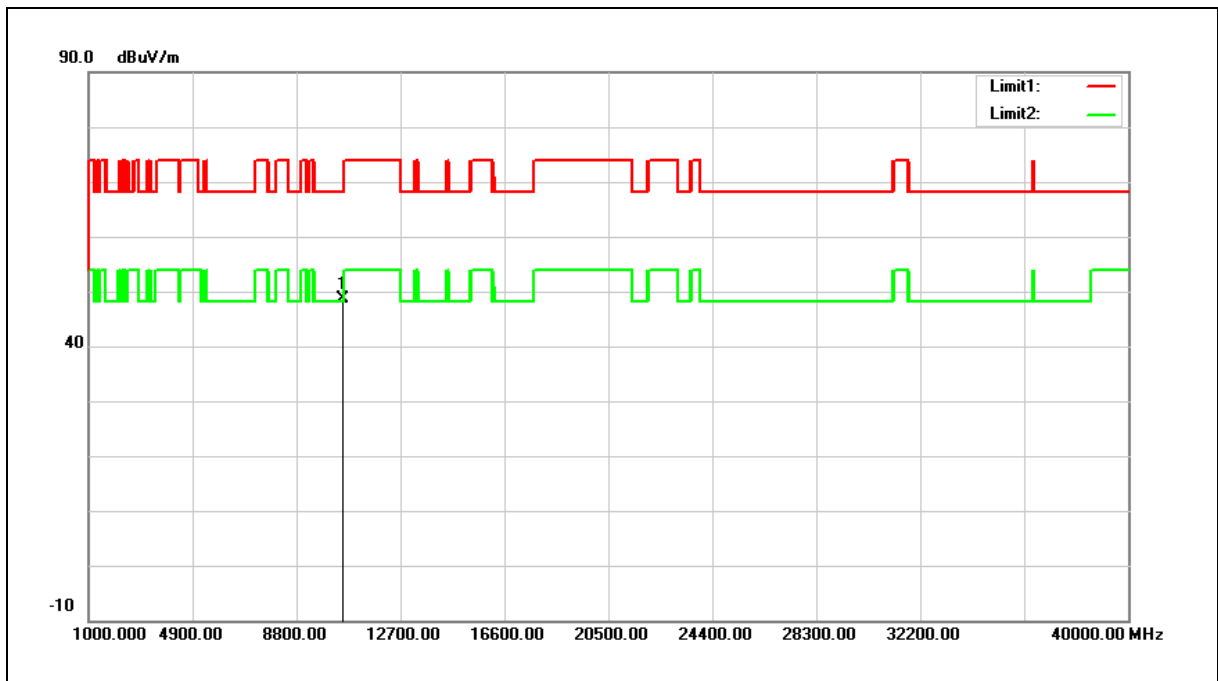
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	29.37	17.05	46.42	68.20	-21.78	peak

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:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



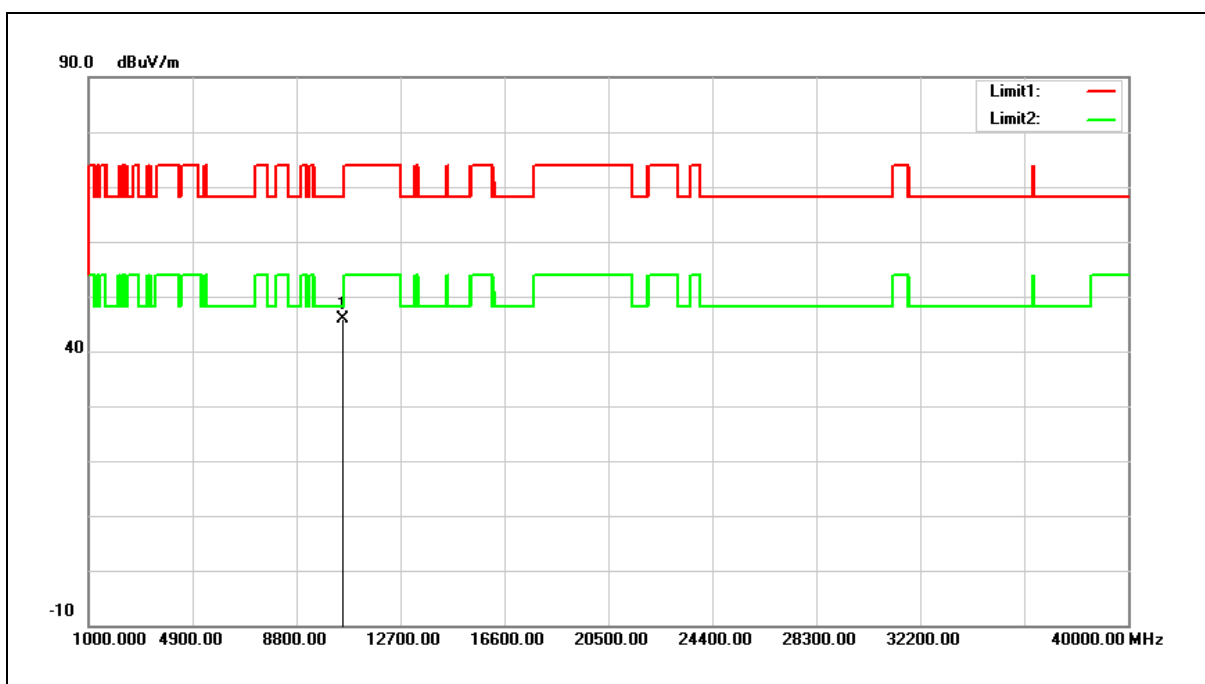
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	31.55	17.17	48.72	68.20	-19.48	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



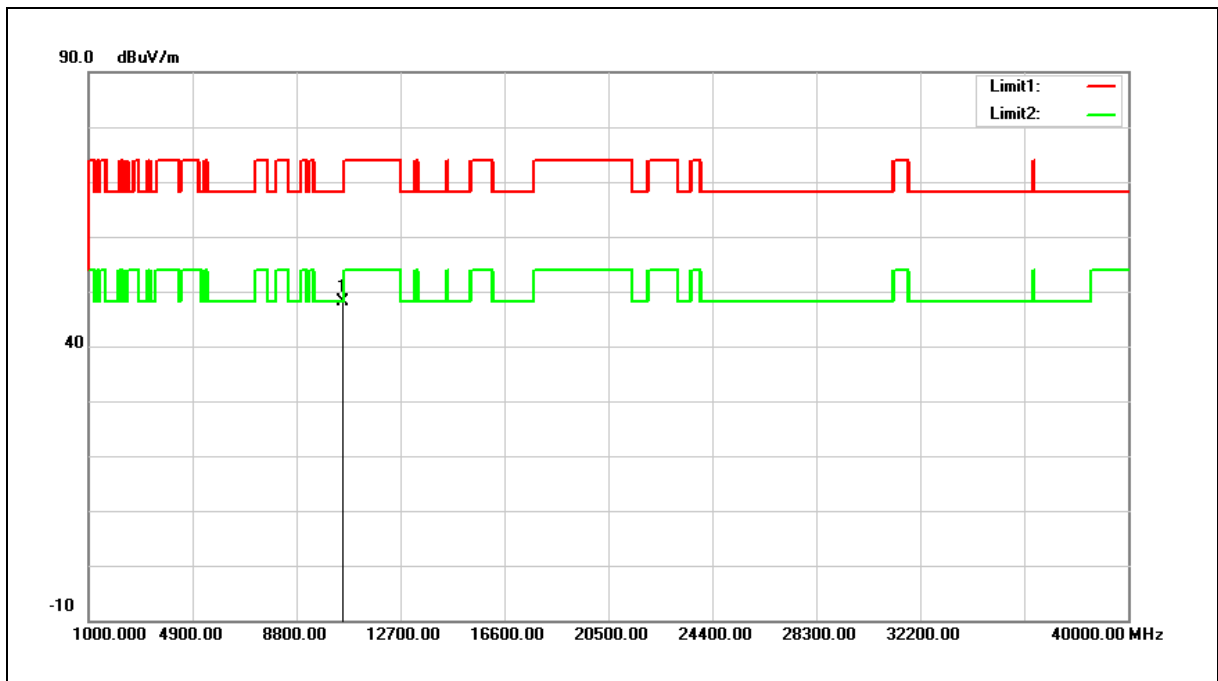
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	28.68	17.17	45.85	68.20	-22.35	peak

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

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

3.When the peak 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:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



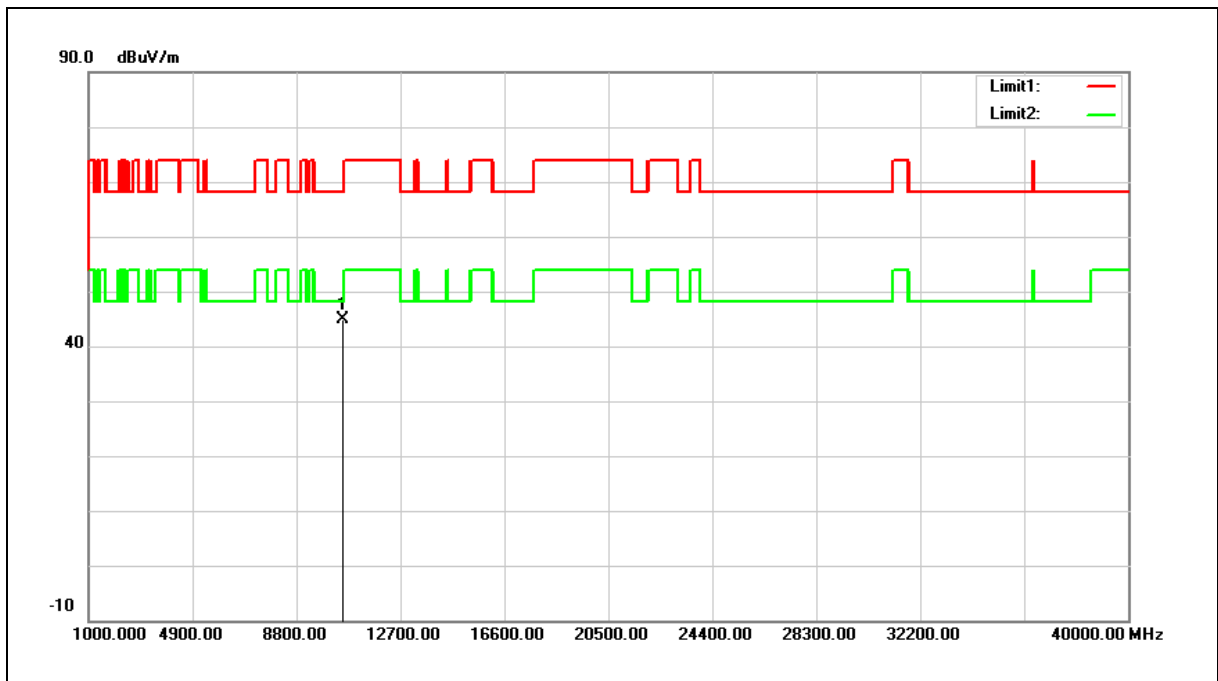
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	30.78	17.28	48.06	68.20	-20.14	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



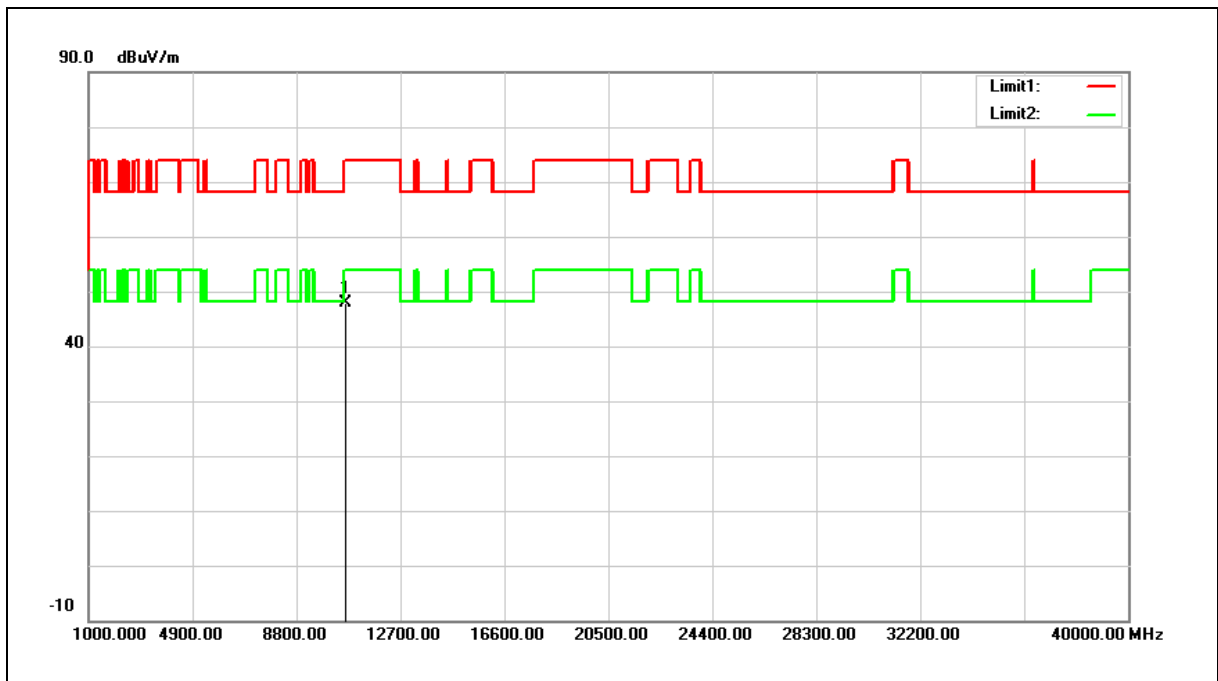
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	27.69	17.28	44.97	68.20	-23.23	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



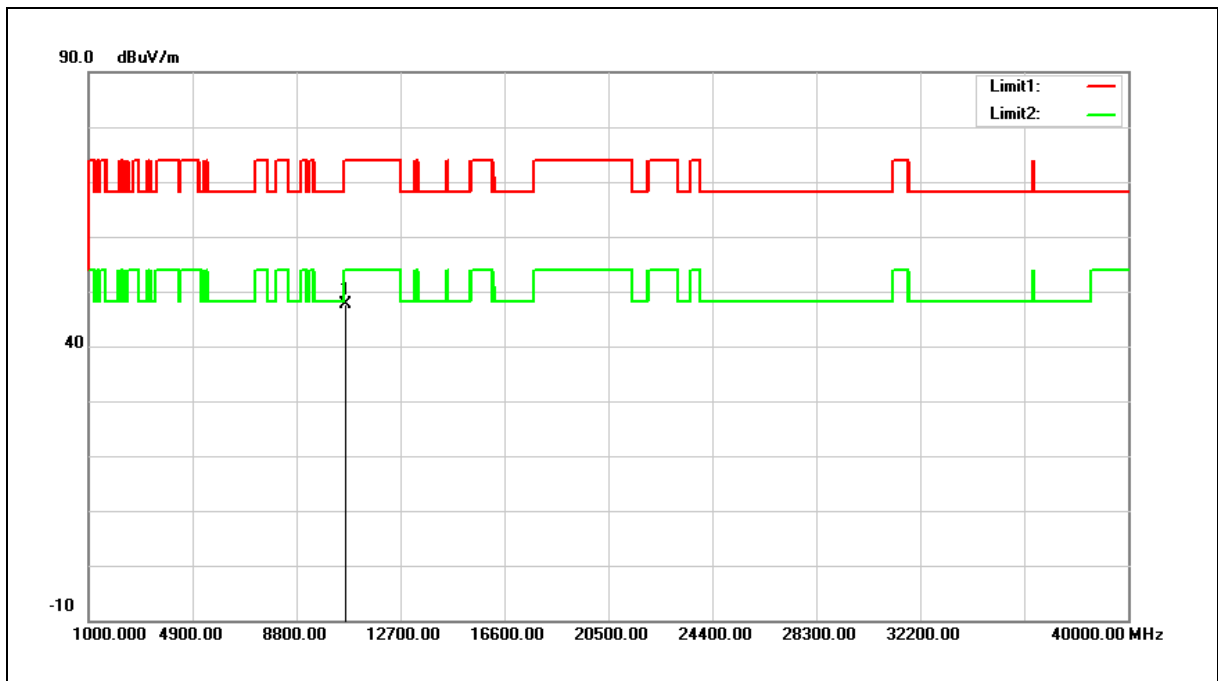
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	30.42	17.52	47.94	74.00	-26.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



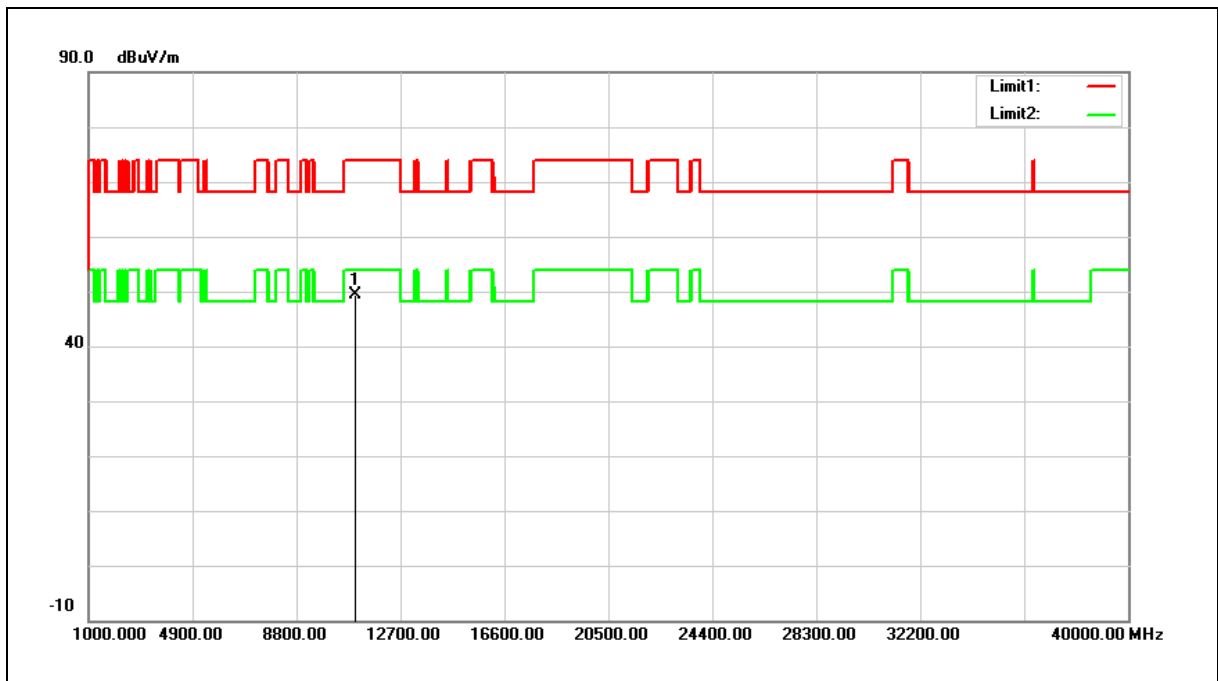
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	30.03	17.52	47.55	74.00	-26.45	peak

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



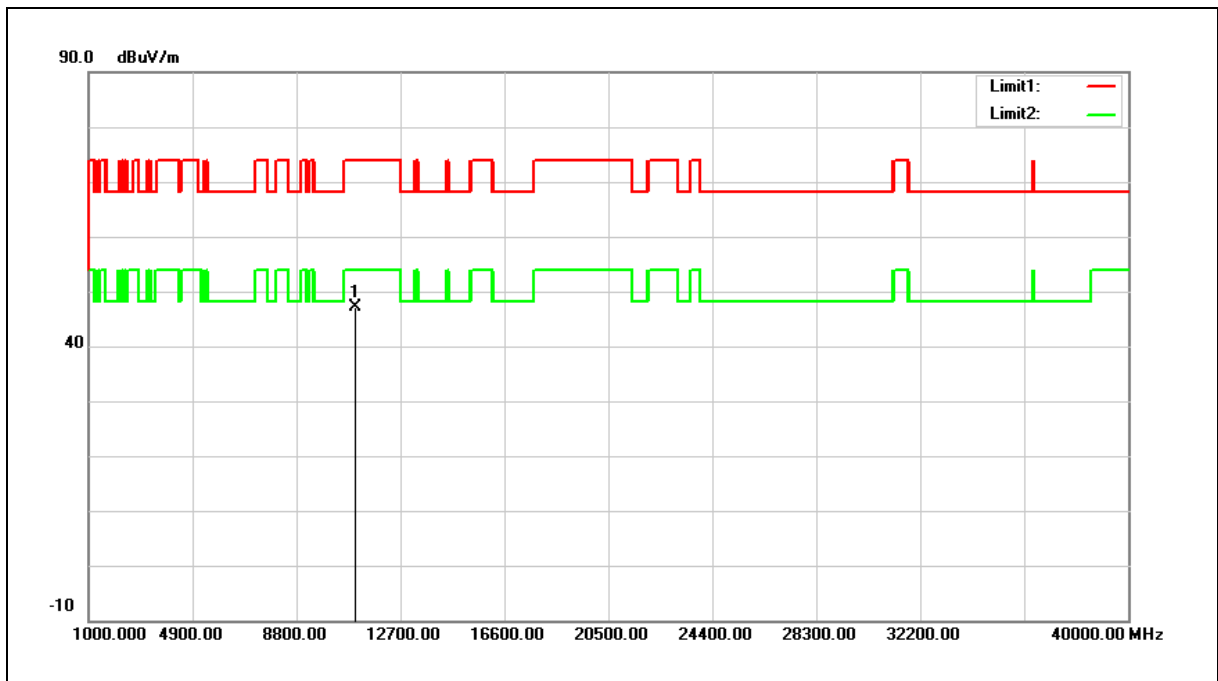
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	30.74	18.56	49.30	74.00	-24.70	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



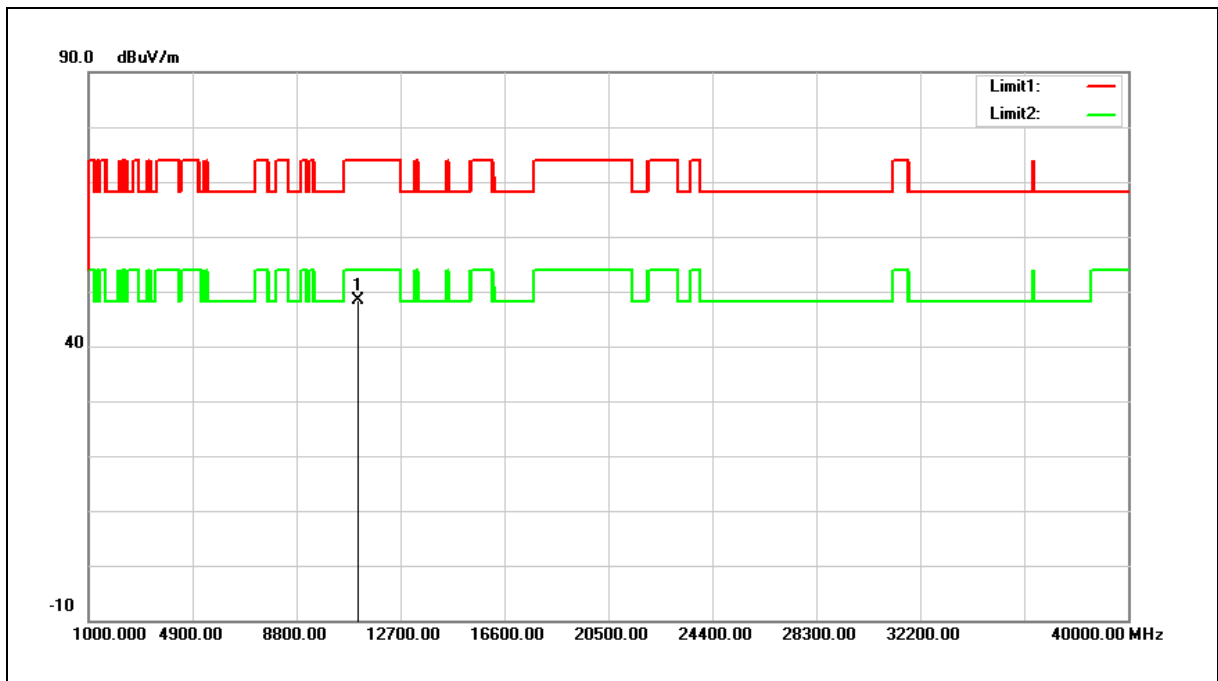
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	28.53	18.56	47.09	74.00	-26.91	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



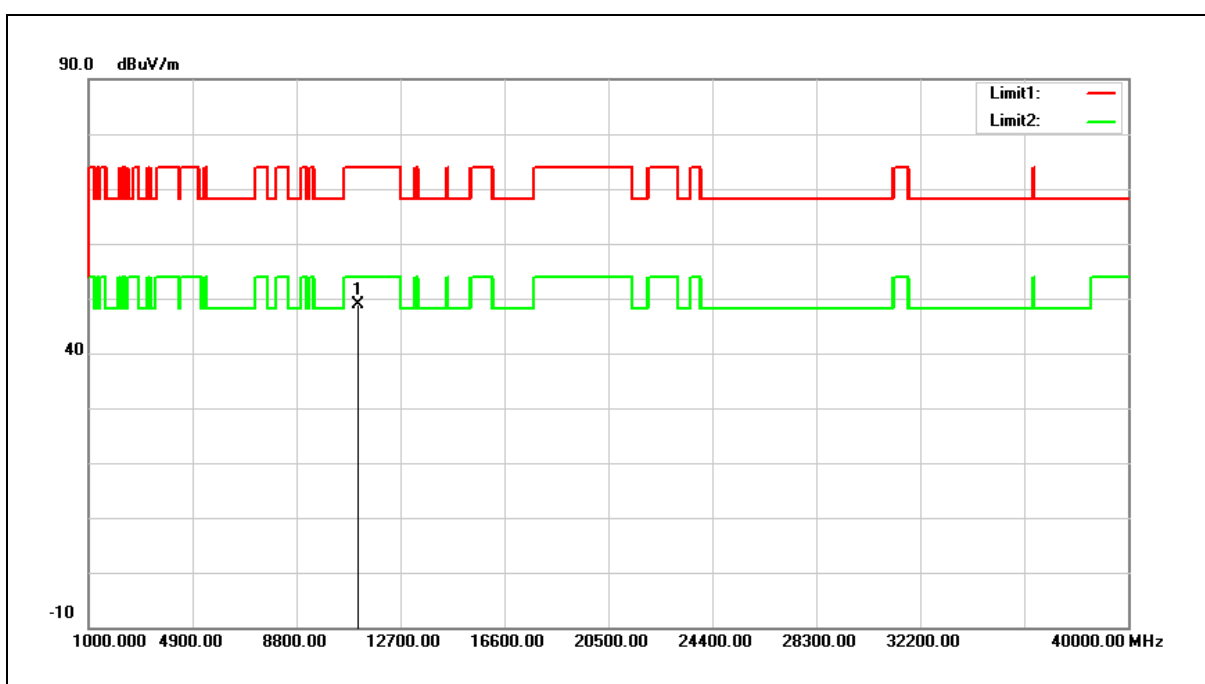
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	29.66	18.60	48.26	74.00	-25.74	peak

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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



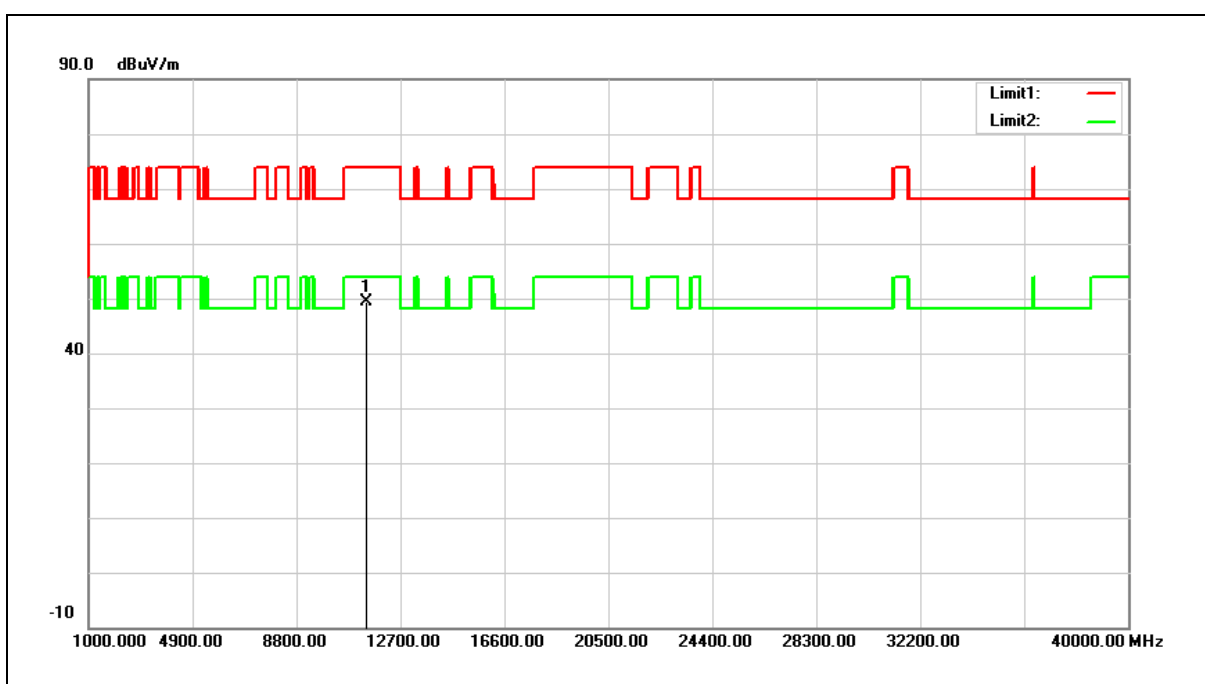
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	30.40	18.60	49.00	74.00	-25.00	peak

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



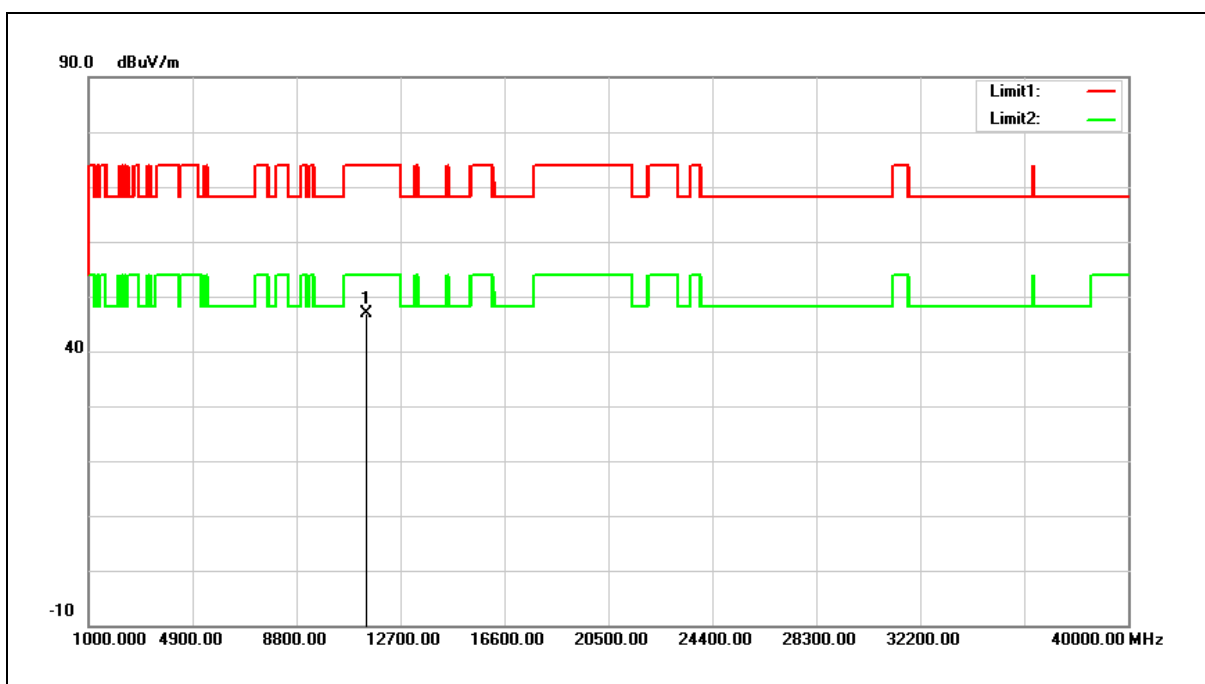
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	30.83	18.66	49.49	74.00	-24.51	peak

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



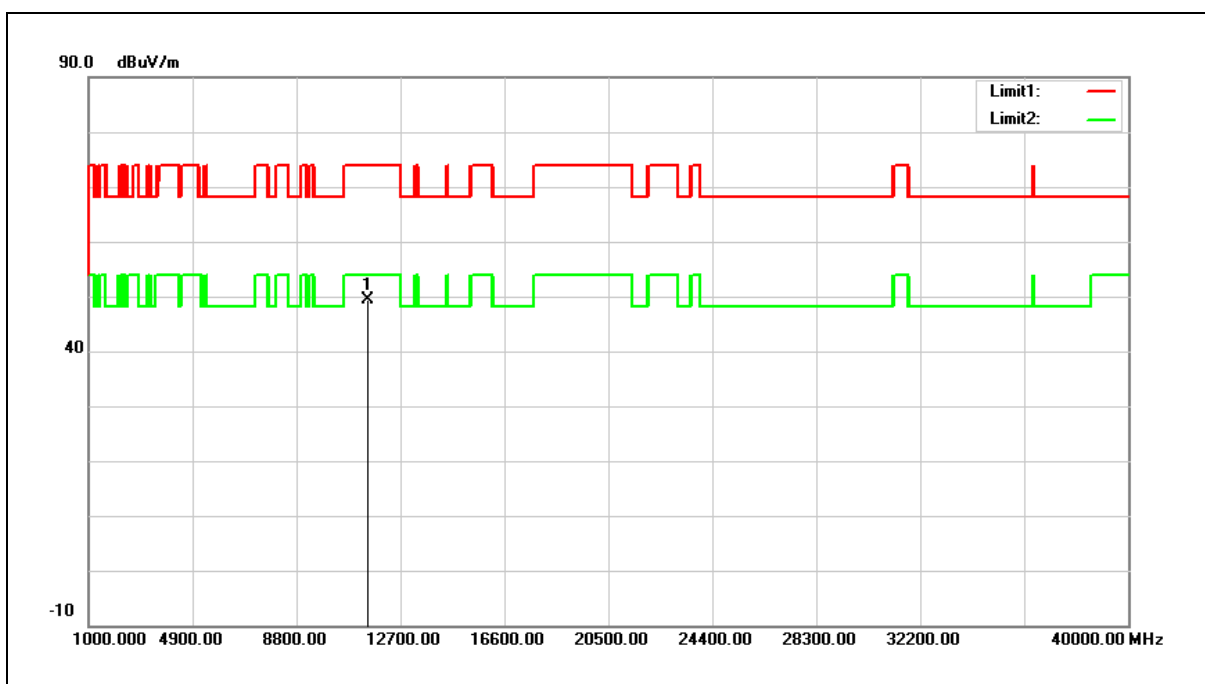
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	28.32	18.66	46.98	74.00	-27.02	peak

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

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

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

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



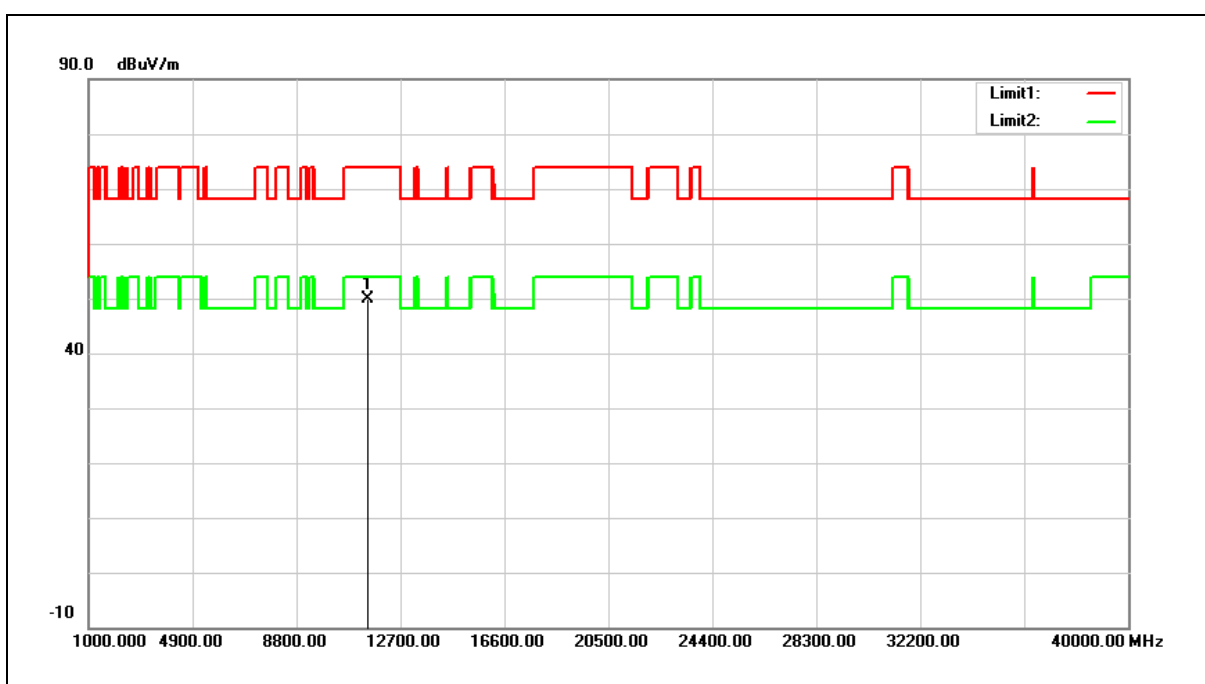
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	30.61	18.68	49.29	74.00	-24.71	peak

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

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

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

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



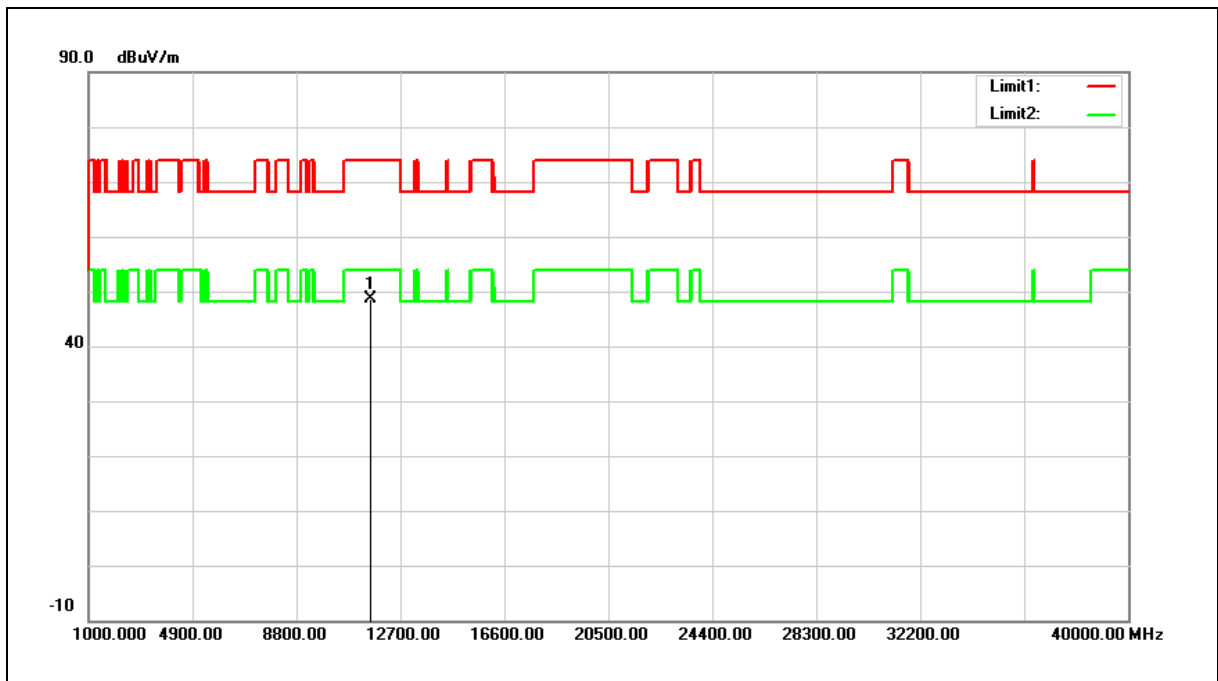
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.29	18.68	49.97	74.00	-24.03	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



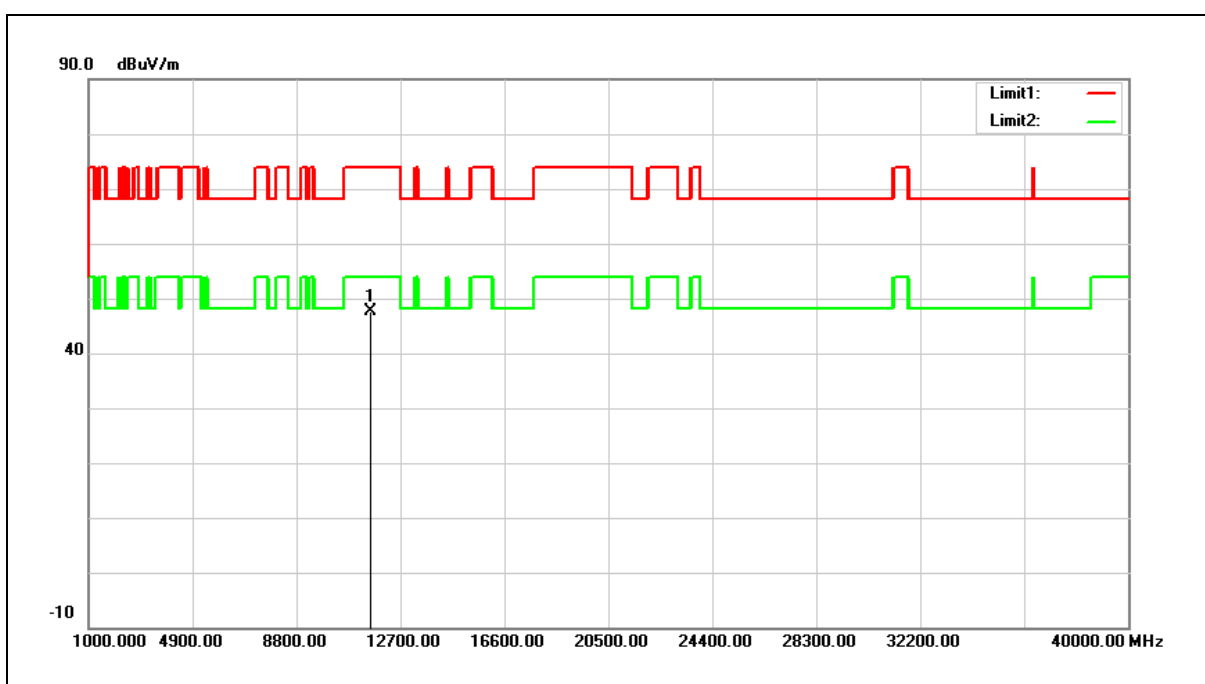
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	29.91	18.60	48.51	74.00	-25.49	peak

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

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

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

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



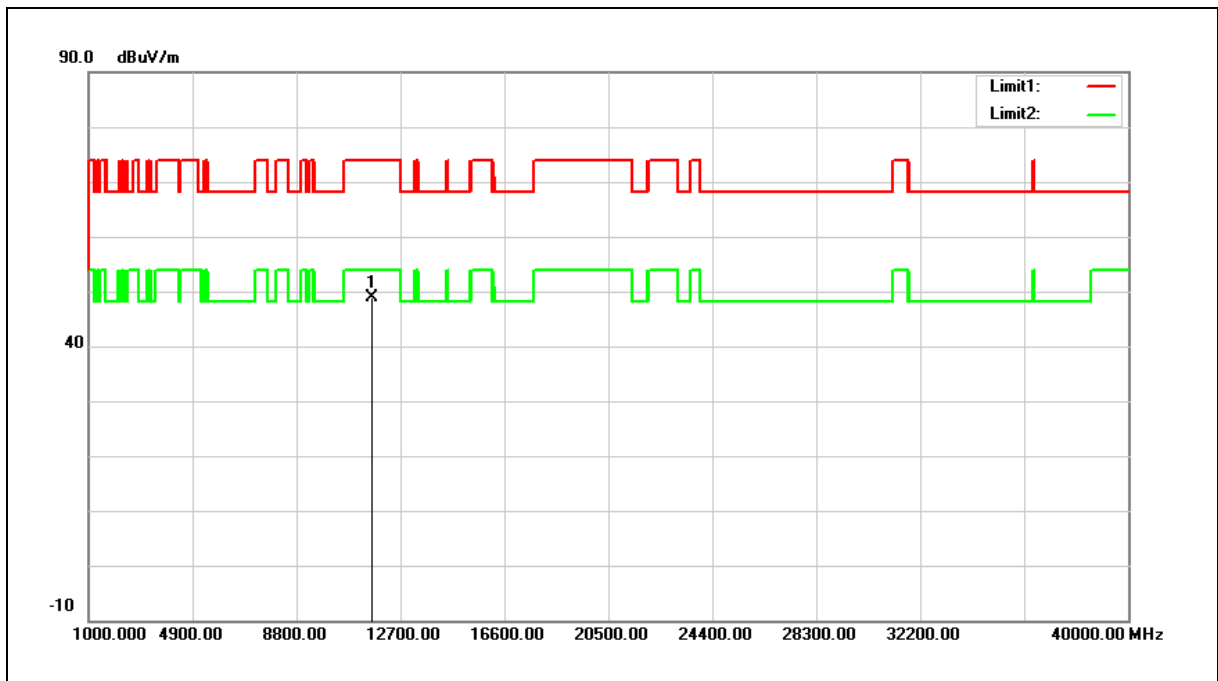
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	28.92	18.60	47.52	74.00	-26.48	peak

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

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

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

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



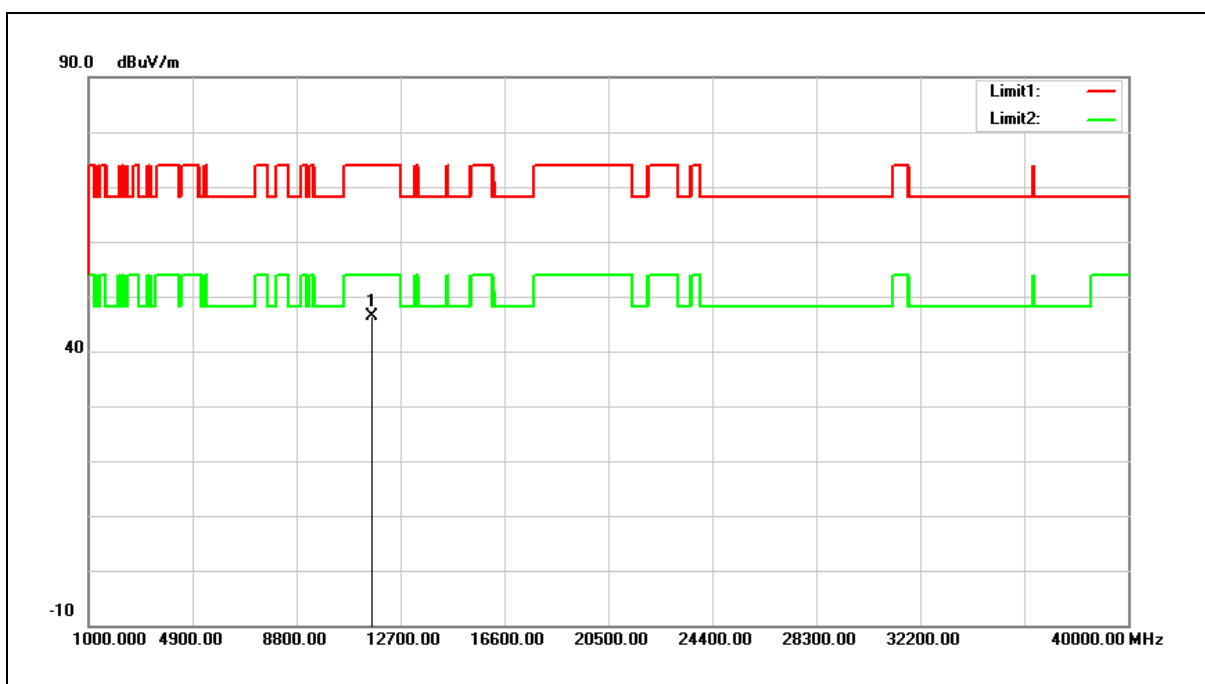
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	30.28	18.50	48.78	74.00	-25.22	peak

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

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

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

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



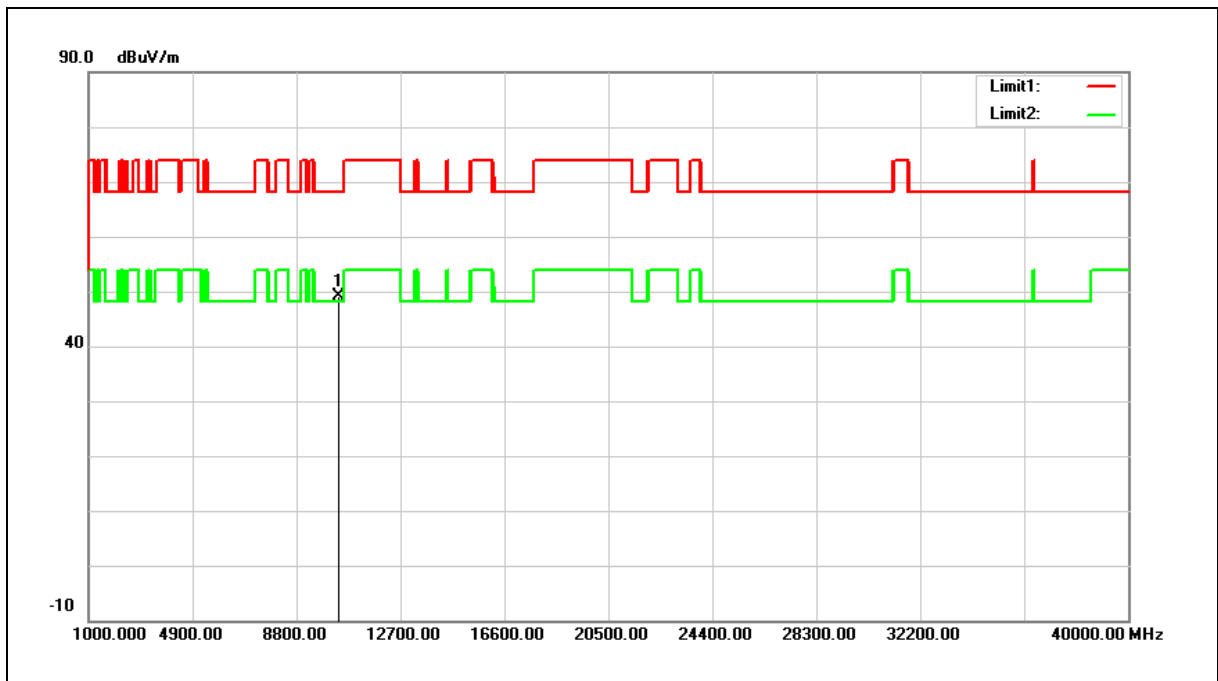
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	27.90	18.50	46.40	74.00	-27.60	peak

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



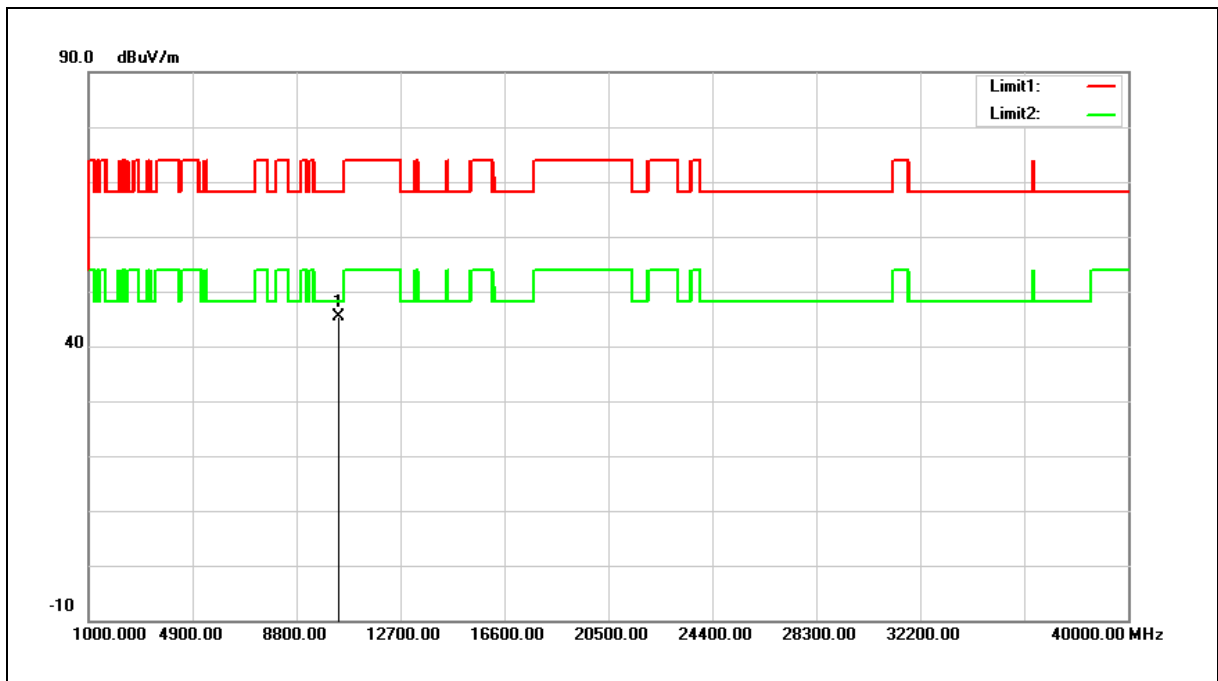
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.40	16.66	49.06	68.20	-19.14	peak

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

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

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

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



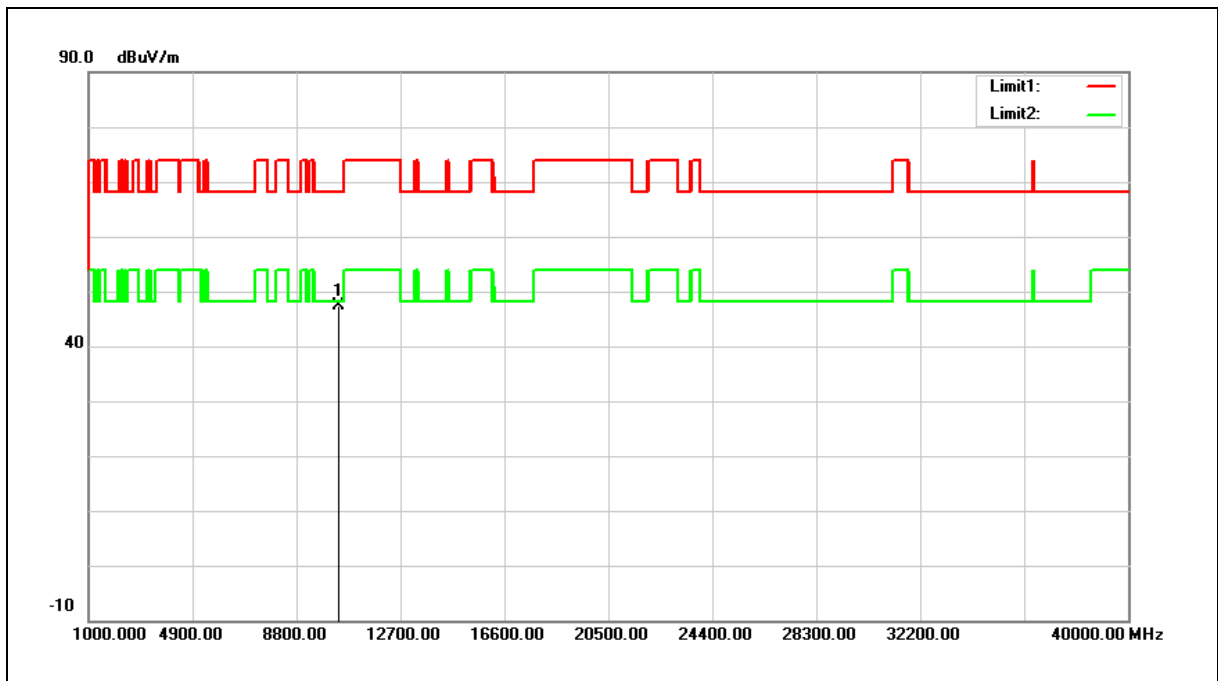
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	28.82	16.66	45.48	68.20	-22.72	peak

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

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

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

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



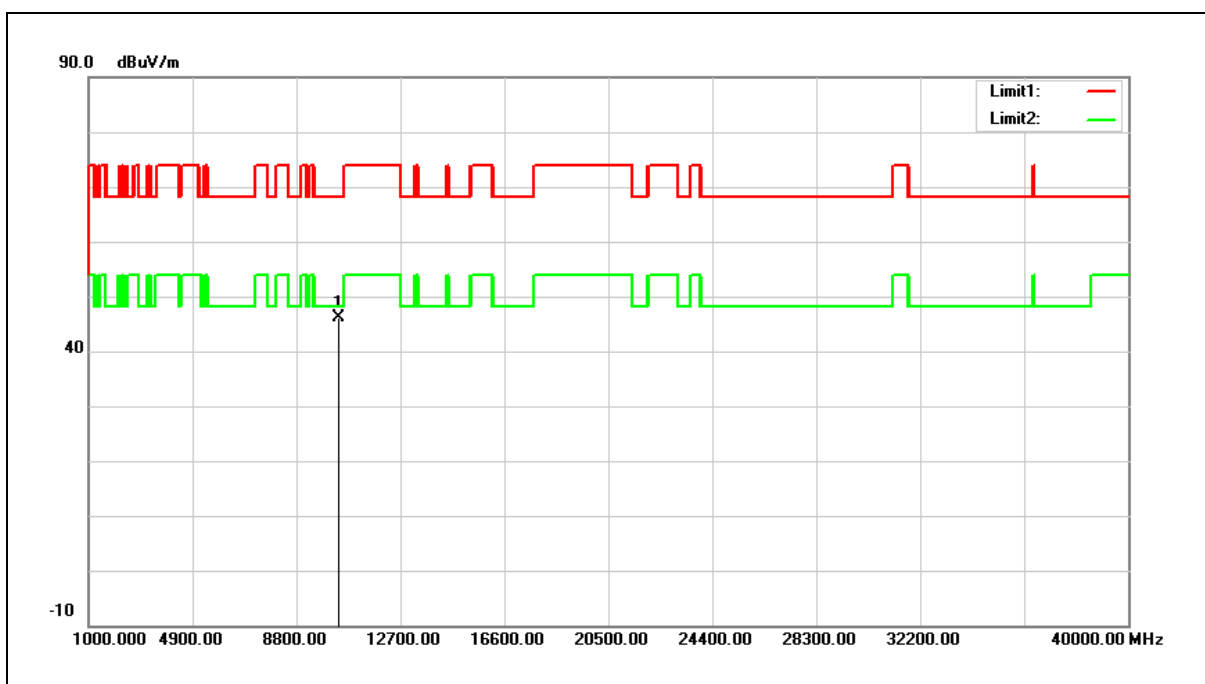
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	30.58	16.79	47.37	68.20	-20.83	peak

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

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

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

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



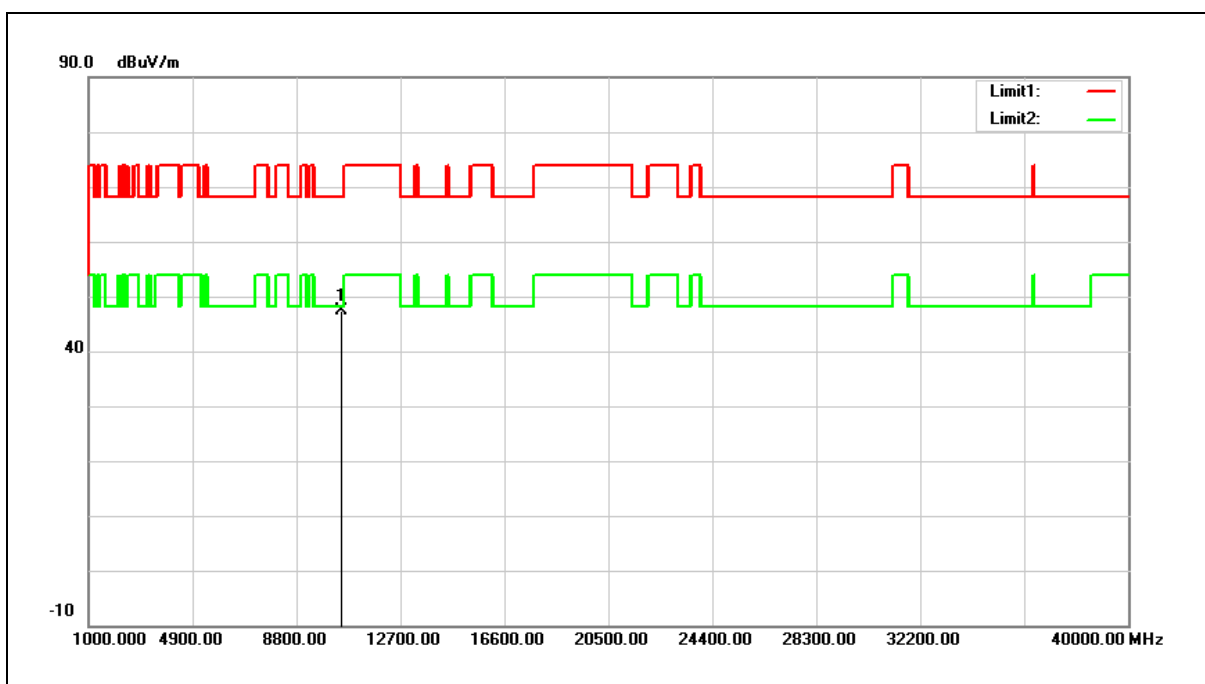
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	29.29	16.79	46.08	68.20	-22.12	peak

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

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

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

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



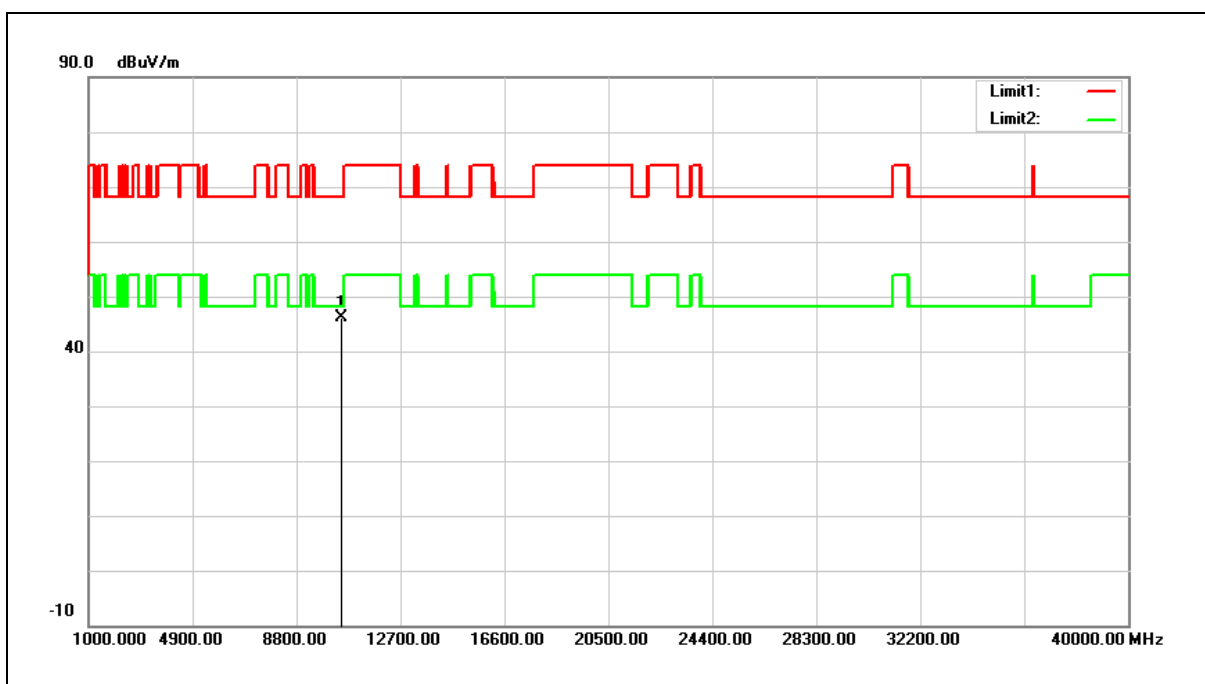
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	30.21	17.05	47.26	68.20	-20.94	peak

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

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

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

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



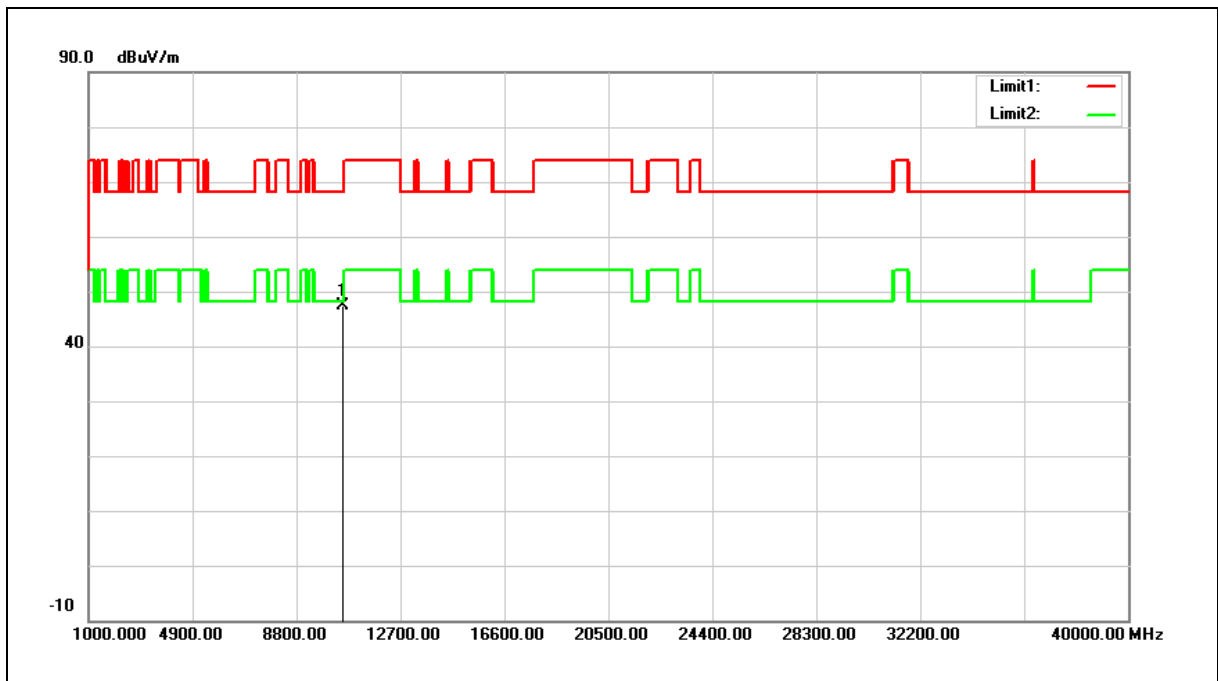
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	28.96	17.05	46.01	68.20	-22.19	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



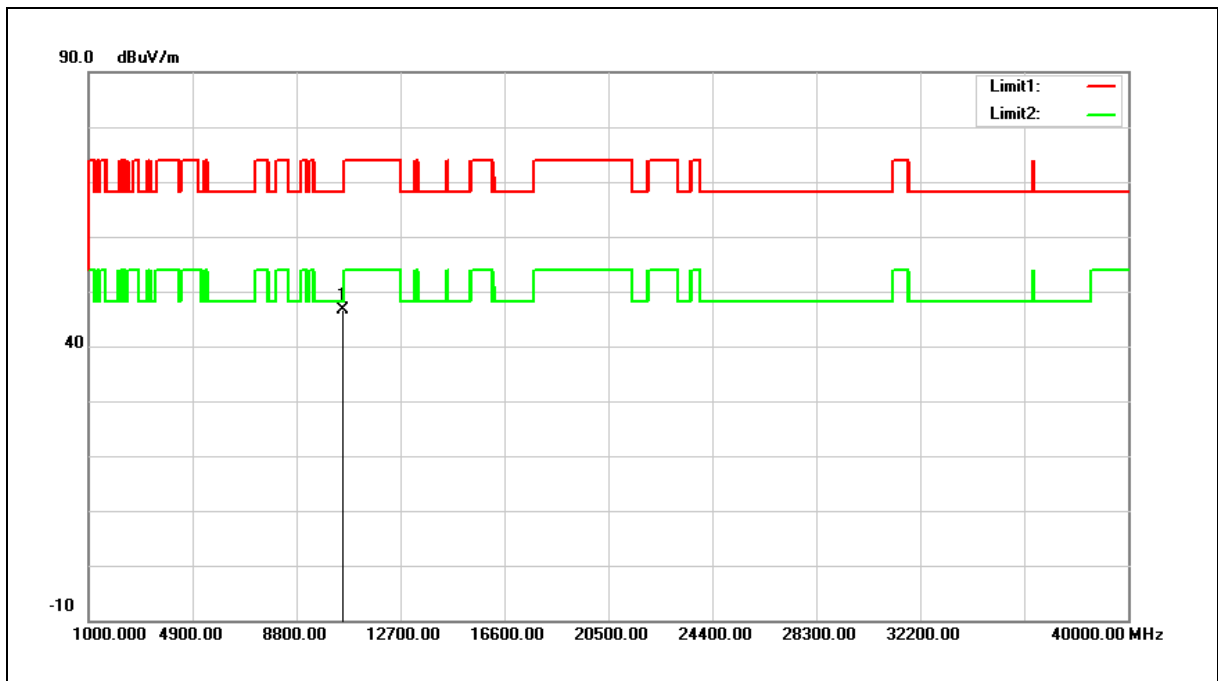
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	30.11	17.17	47.28	68.20	-20.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



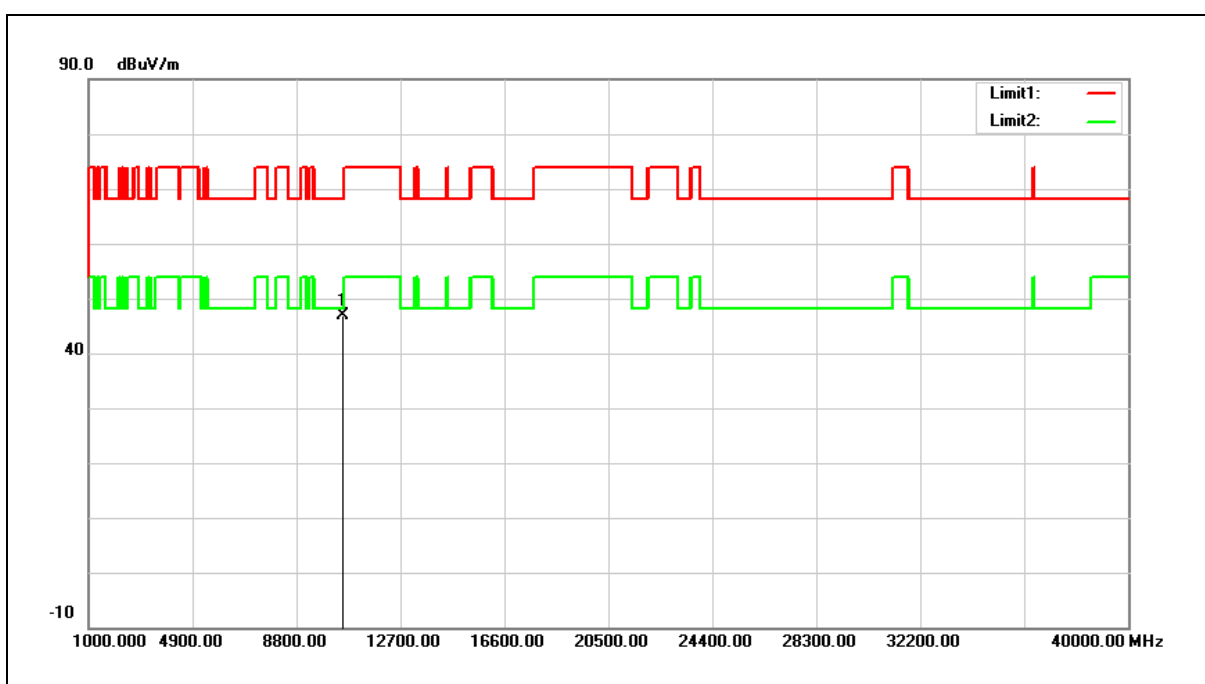
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	29.37	17.17	46.54	68.20	-21.66	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



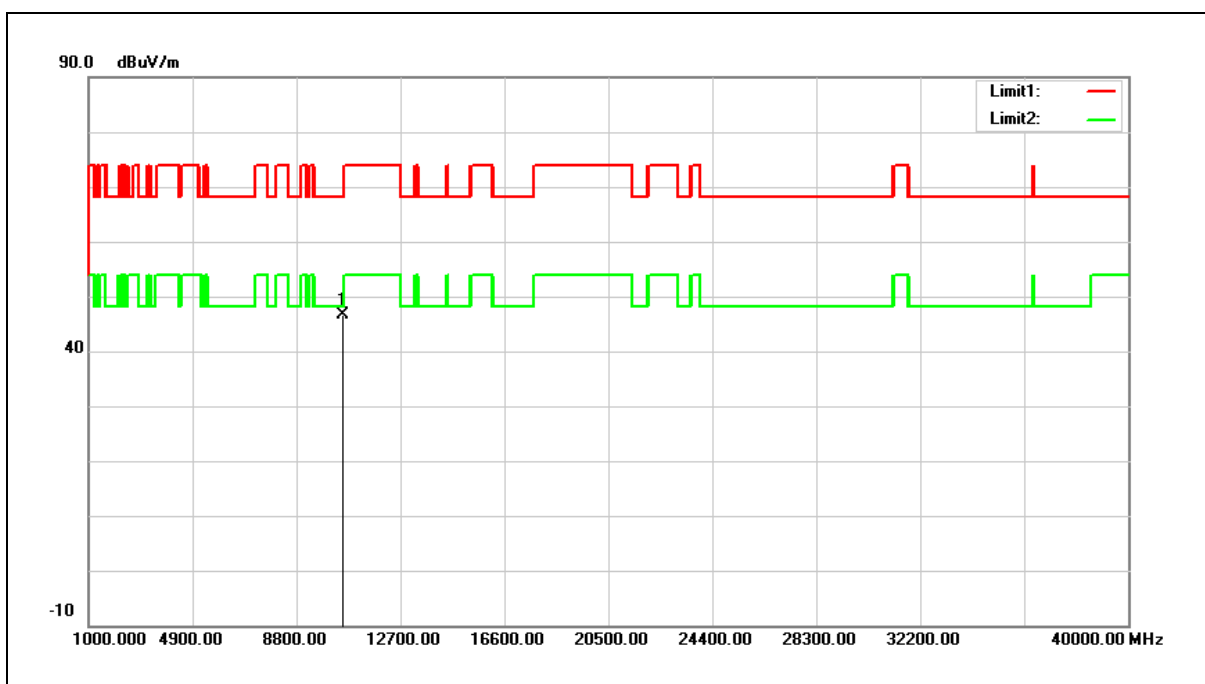
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	29.55	17.28	46.83	68.20	-21.37	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



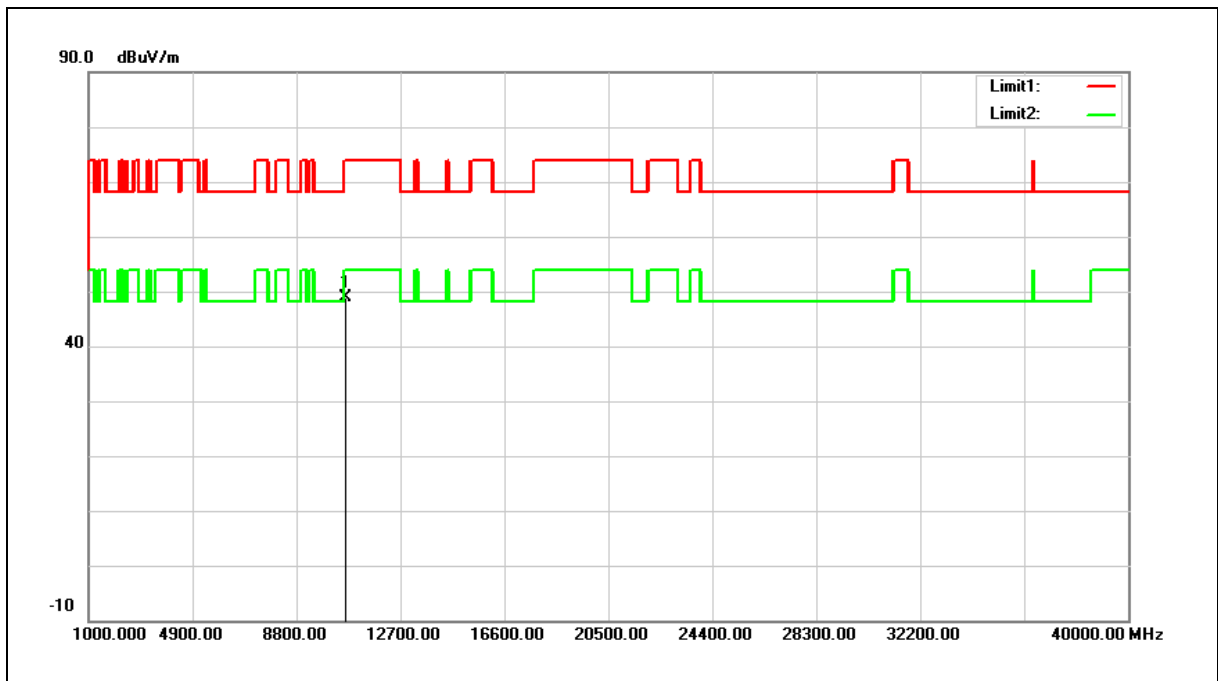
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	29.32	17.28	46.60	68.20	-21.60	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



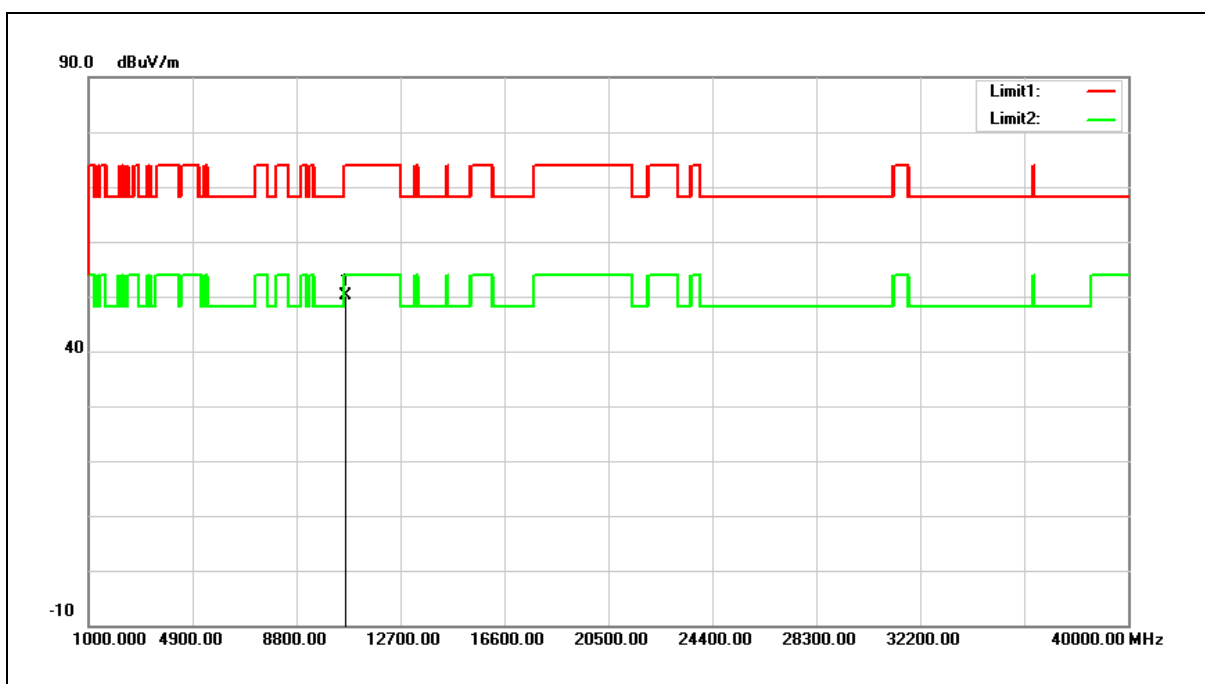
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	31.26	17.52	48.78	74.00	-25.22	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



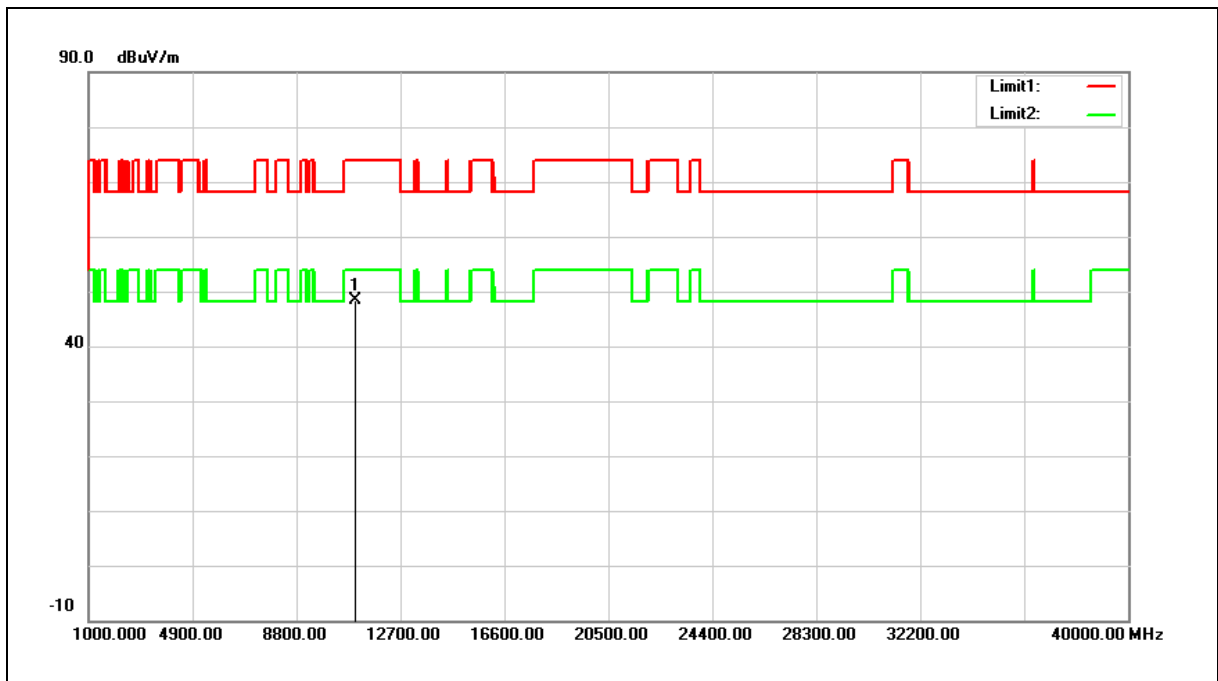
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	32.64	17.52	50.16	74.00	-23.84	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



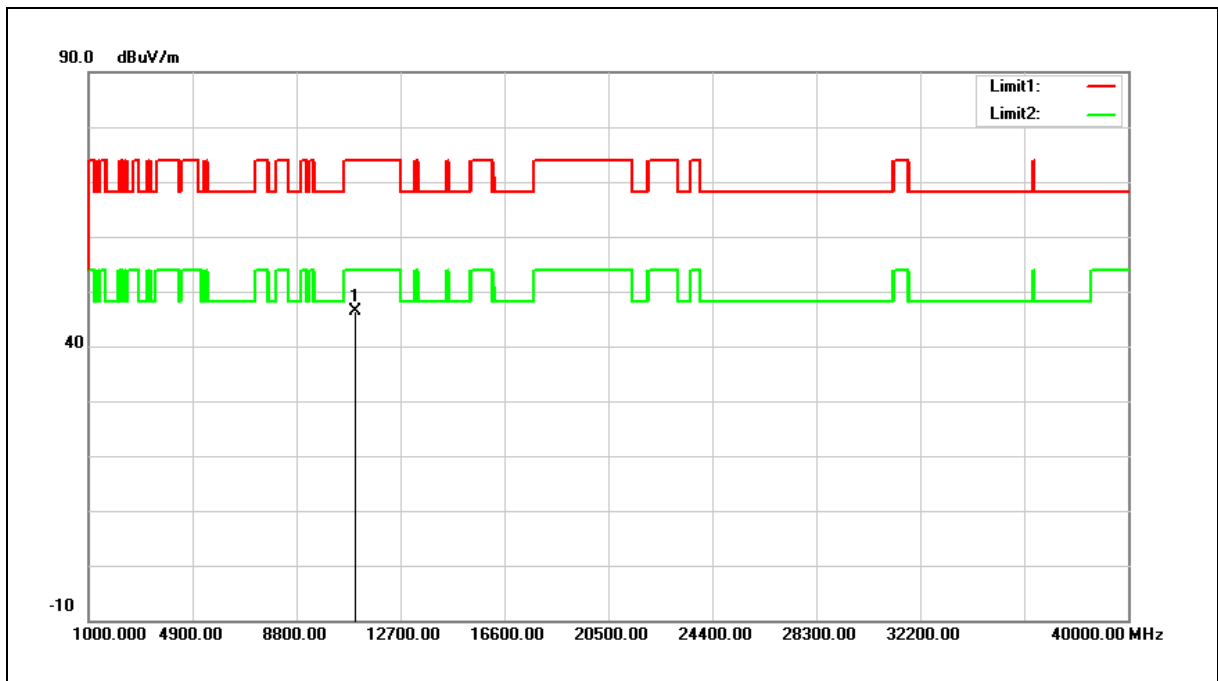
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	29.71	18.56	48.27	74.00	-25.73	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



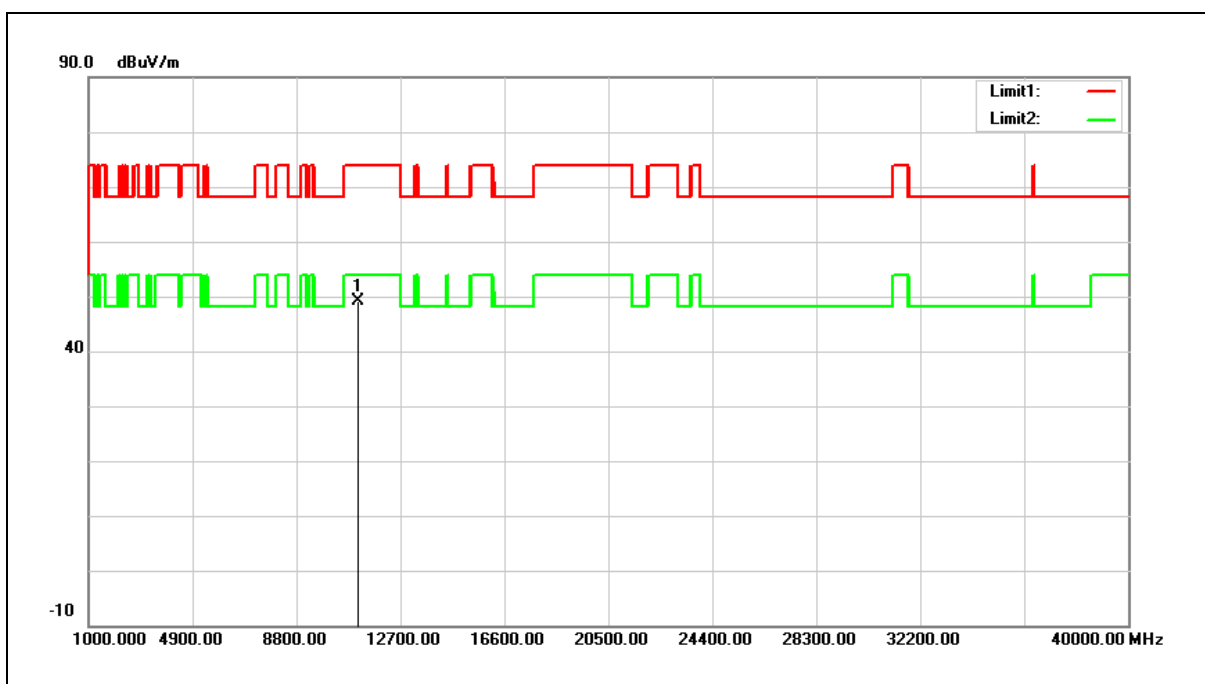
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	27.92	18.56	46.48	74.00	-27.52	peak

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

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

3.When the peak 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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



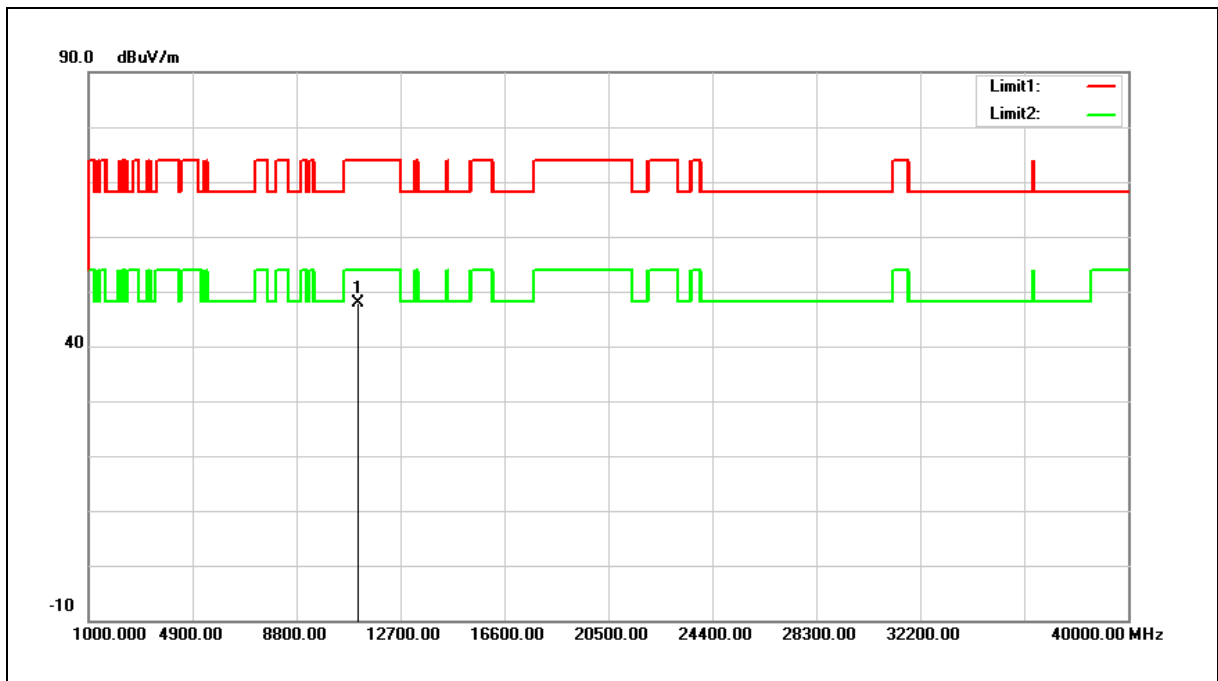
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	30.61	18.60	49.21	74.00	-24.79	peak

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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



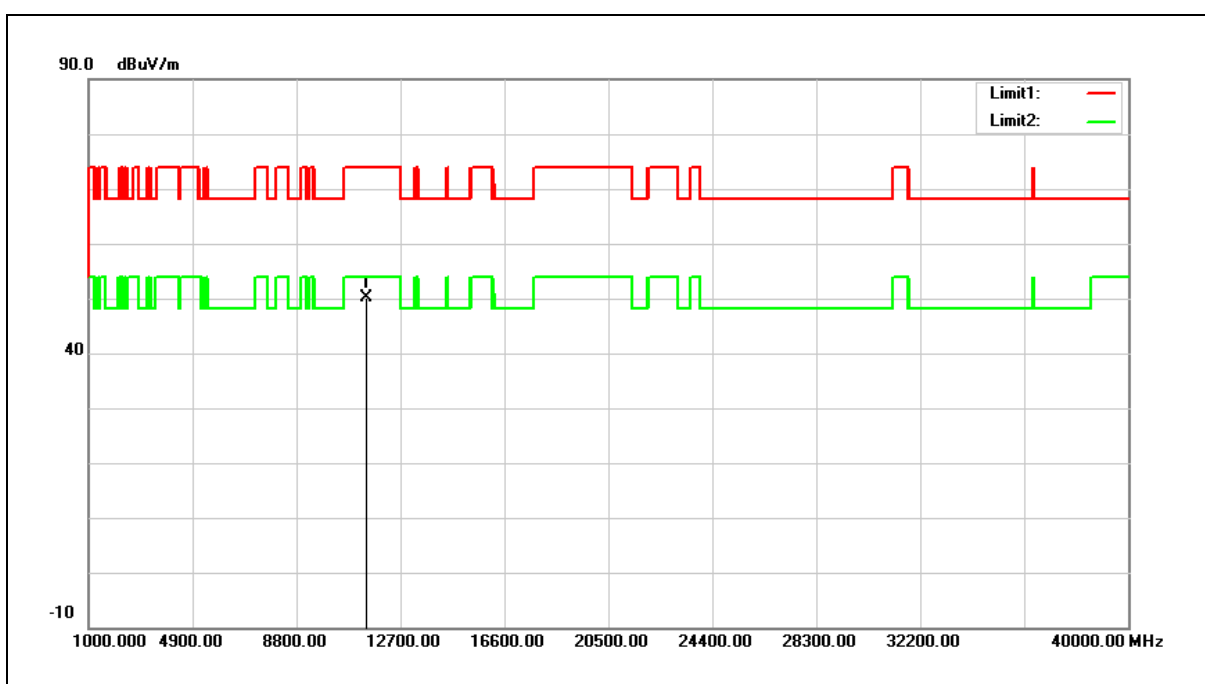
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	29.22	18.60	47.82	74.00	-26.18	peak

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



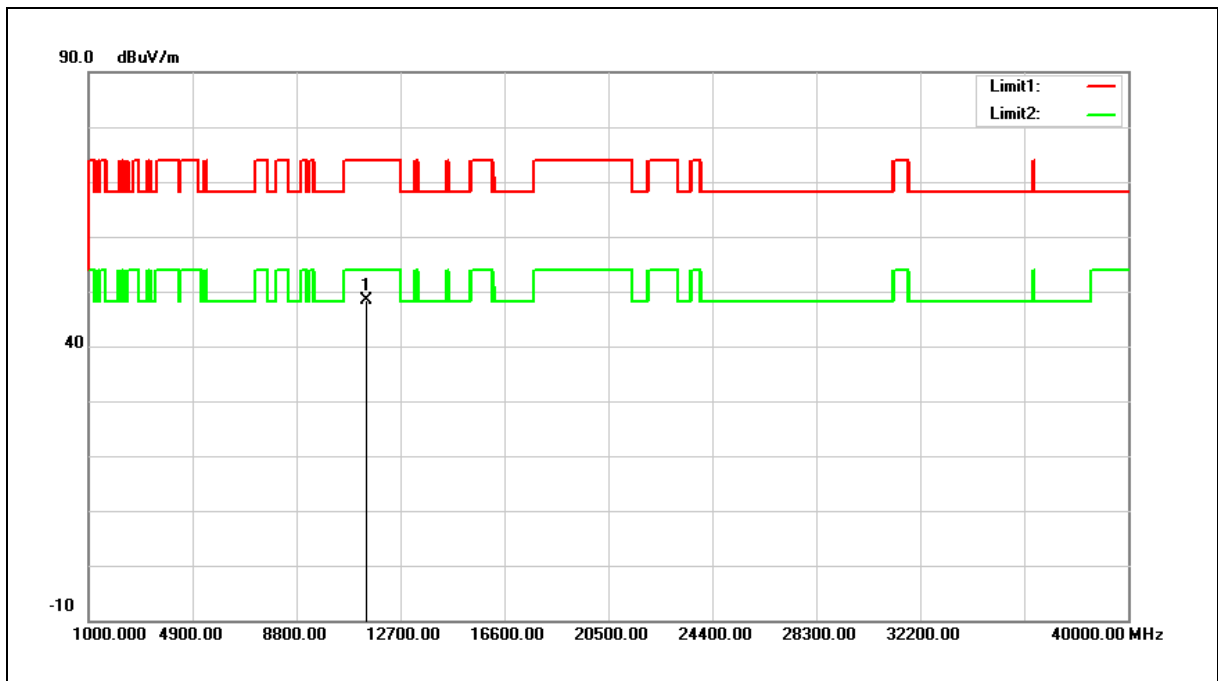
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	31.42	18.66	50.08	74.00	-23.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



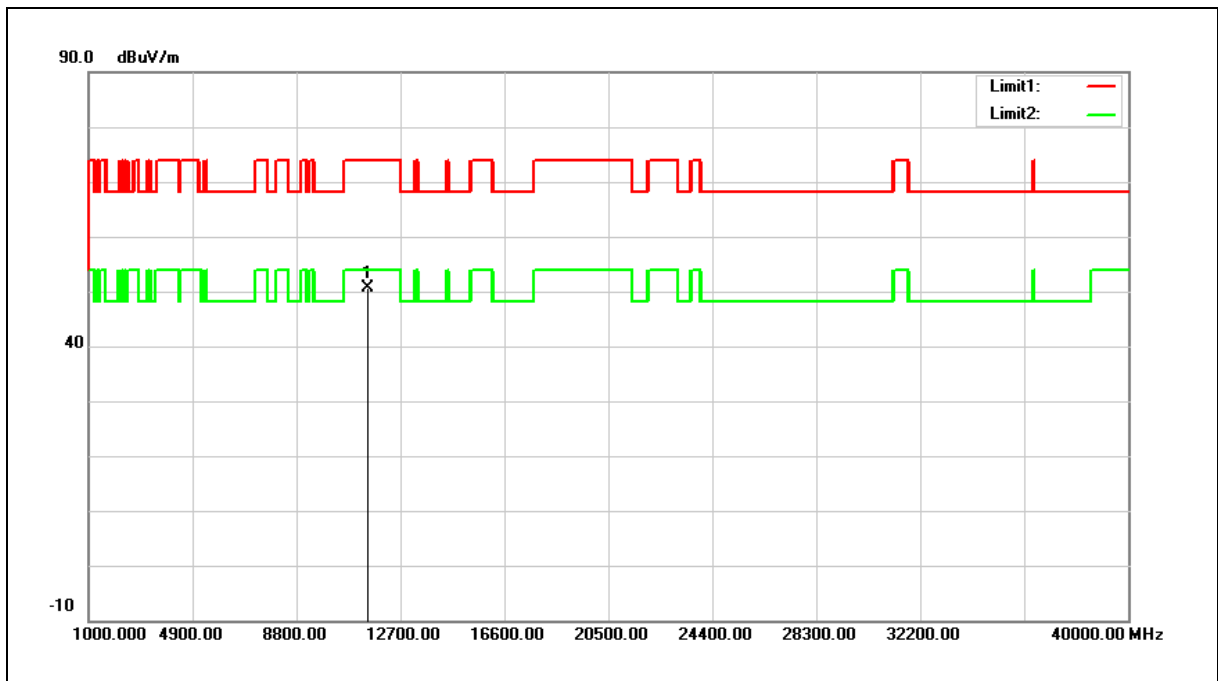
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	29.74	18.66	48.40	74.00	-25.60	peak

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



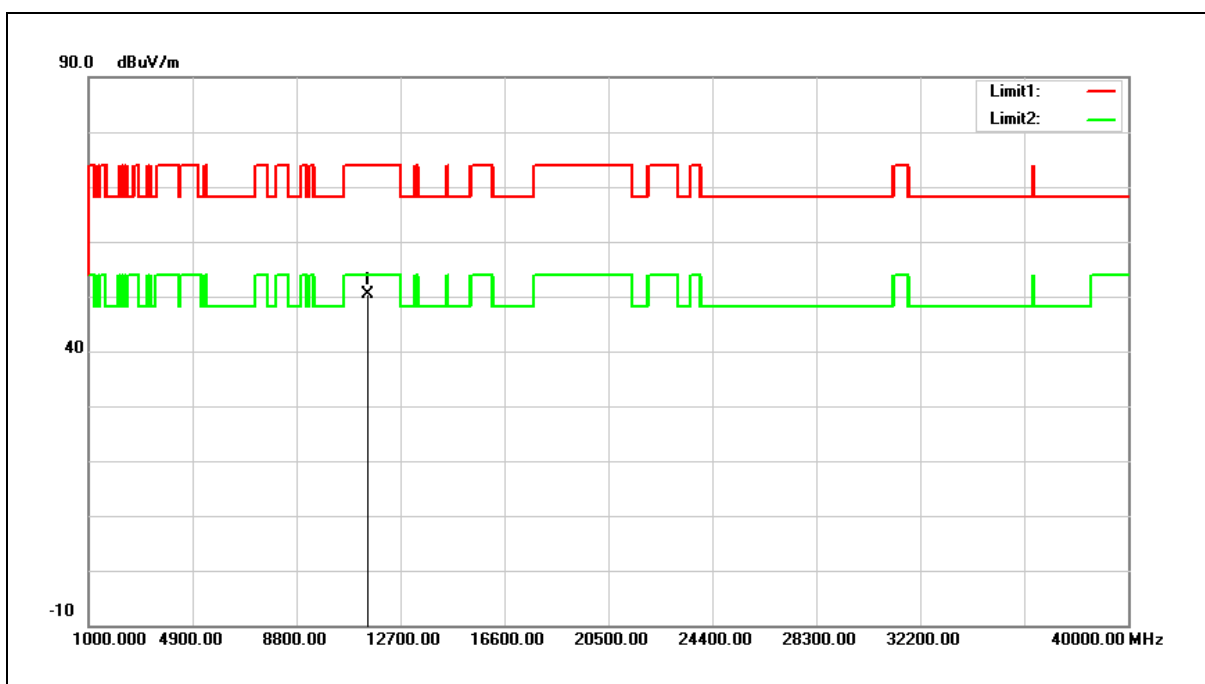
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.00	18.68	50.68	74.00	-23.32	peak

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



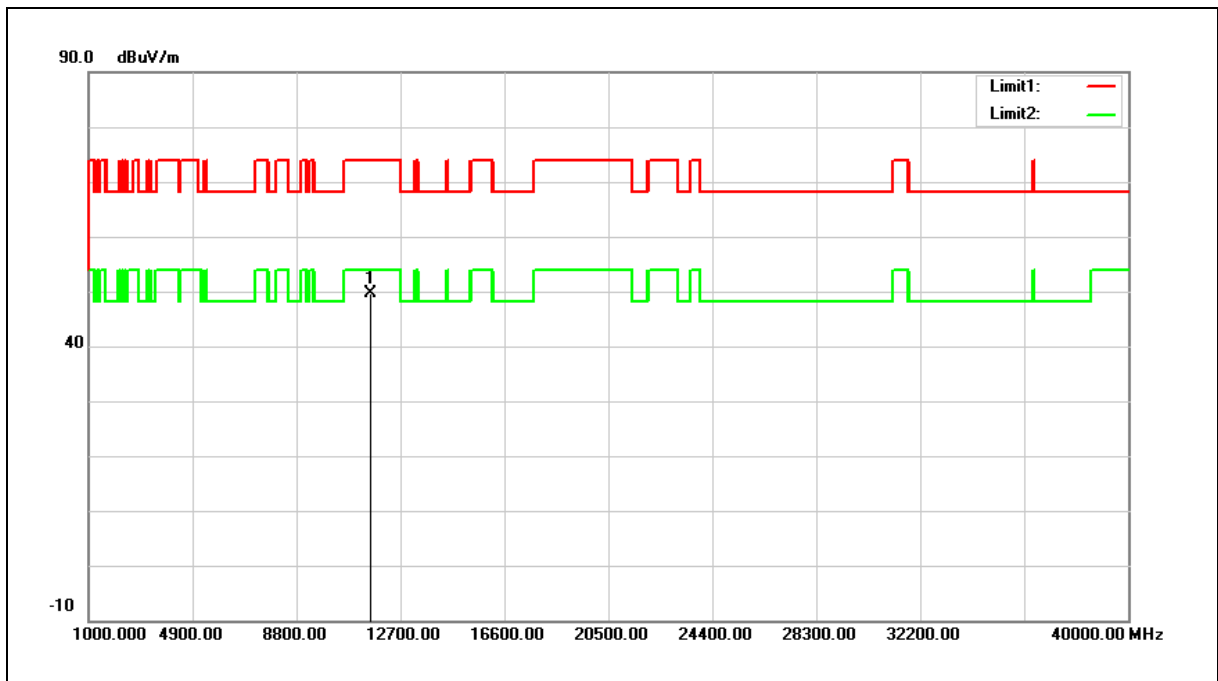
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.77	18.68	50.45	74.00	-23.55	peak

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

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

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

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



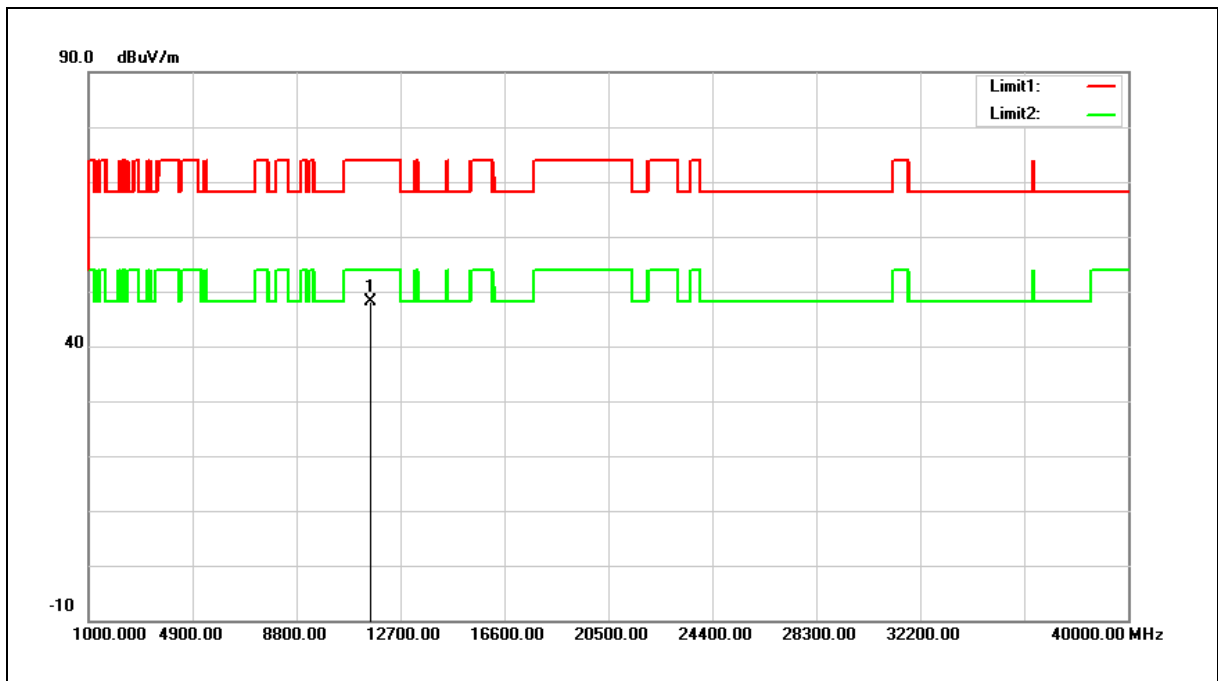
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.15	18.60	49.75	74.00	-24.25	peak

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

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

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

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



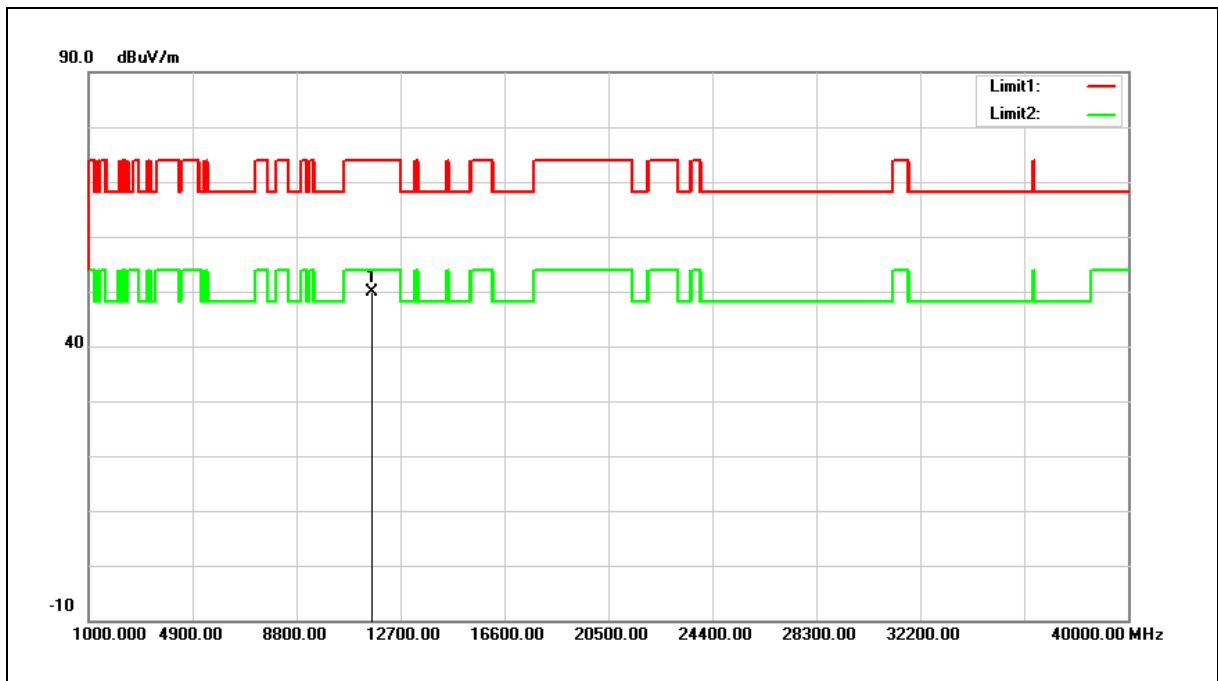
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	29.56	18.60	48.16	74.00	-25.84	peak

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

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

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

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



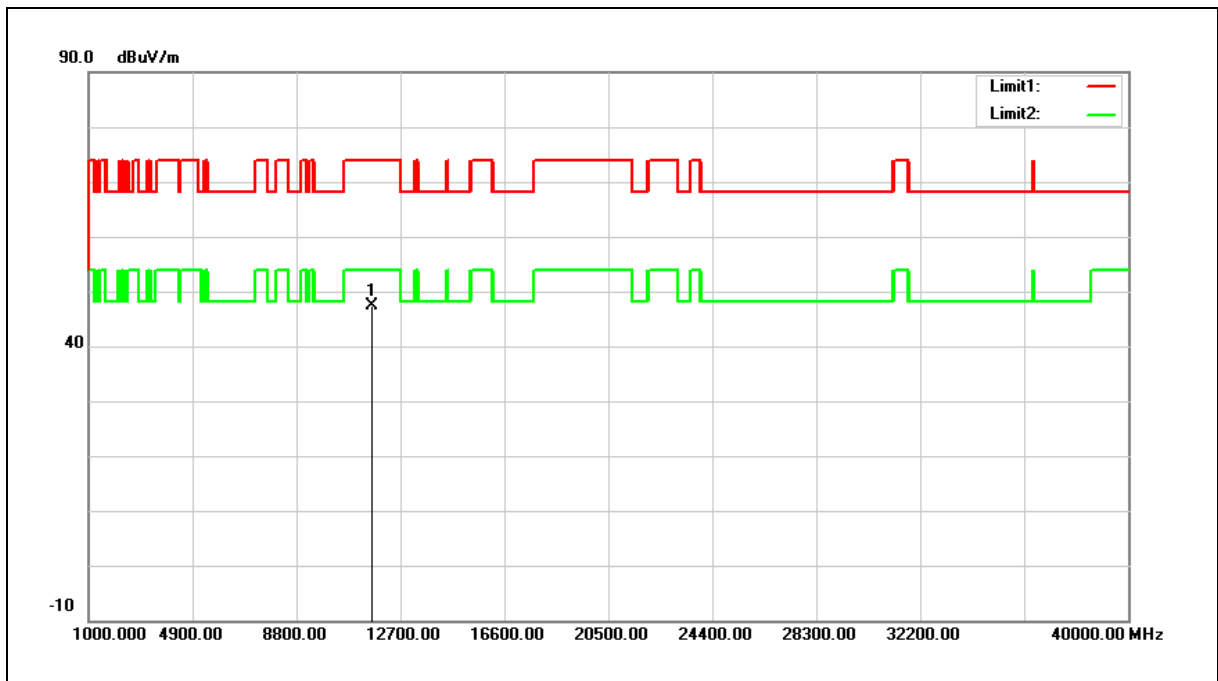
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.39	18.50	49.89	74.00	-24.11	peak

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

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

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

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



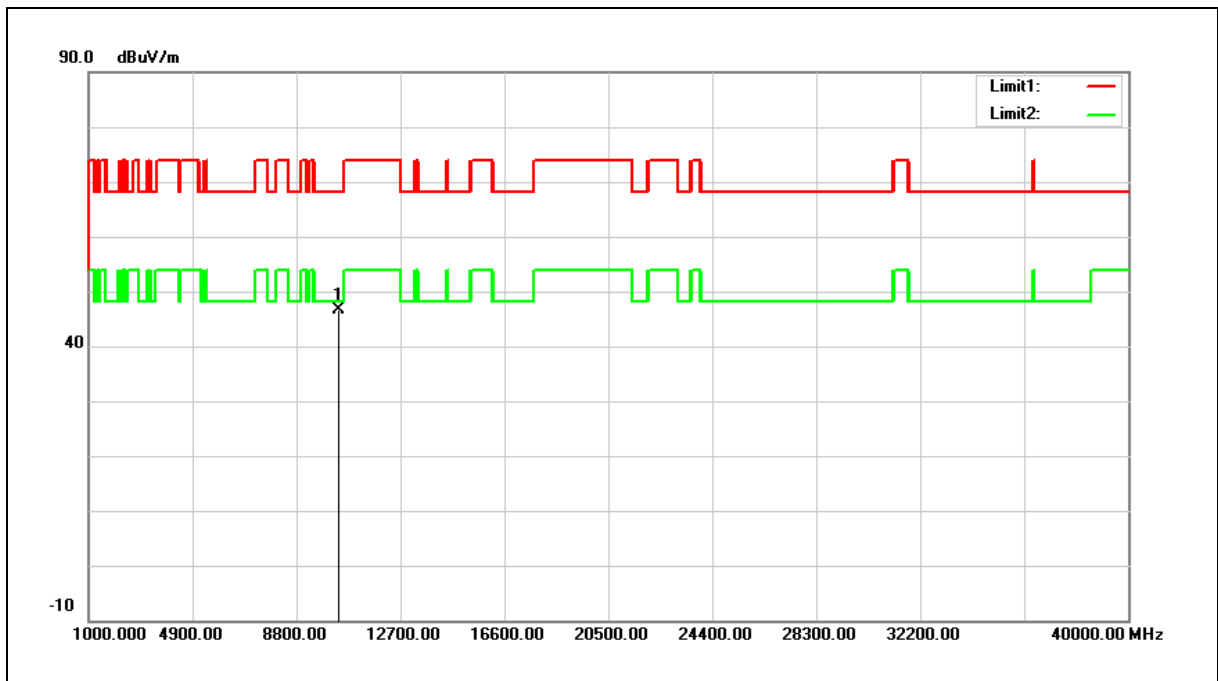
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	28.99	18.50	47.49	74.00	-26.51	peak

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

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

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

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



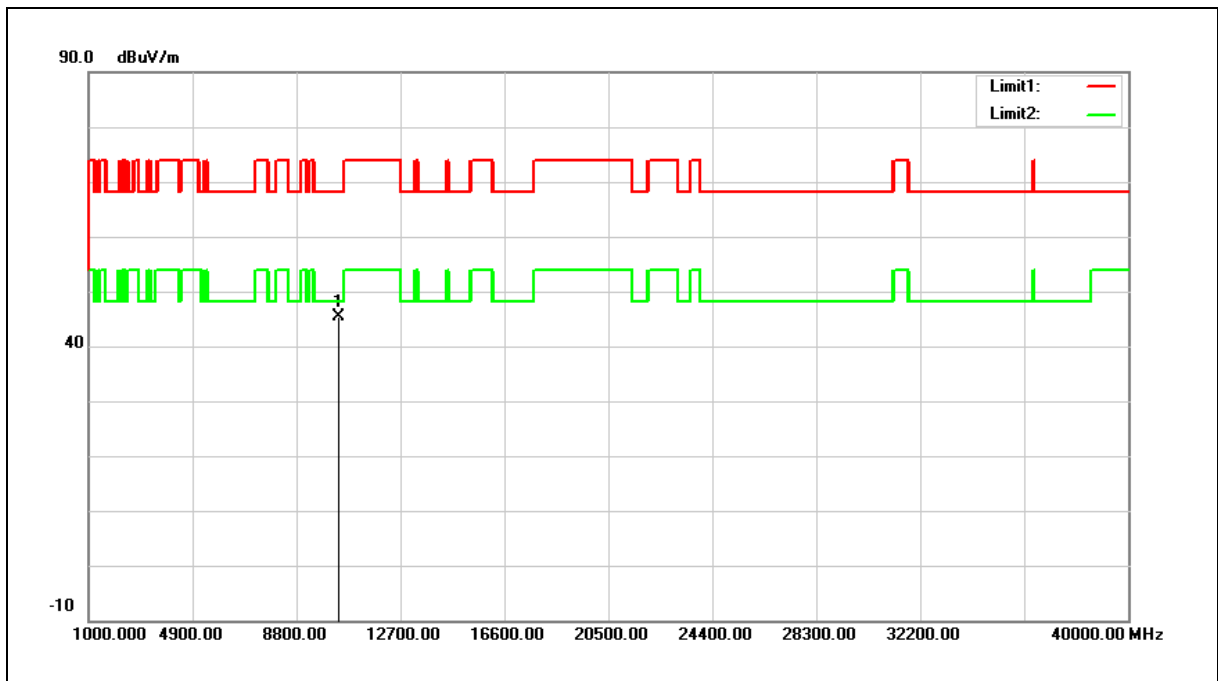
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	29.96	16.72	46.68	68.20	-21.52	peak

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

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

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

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



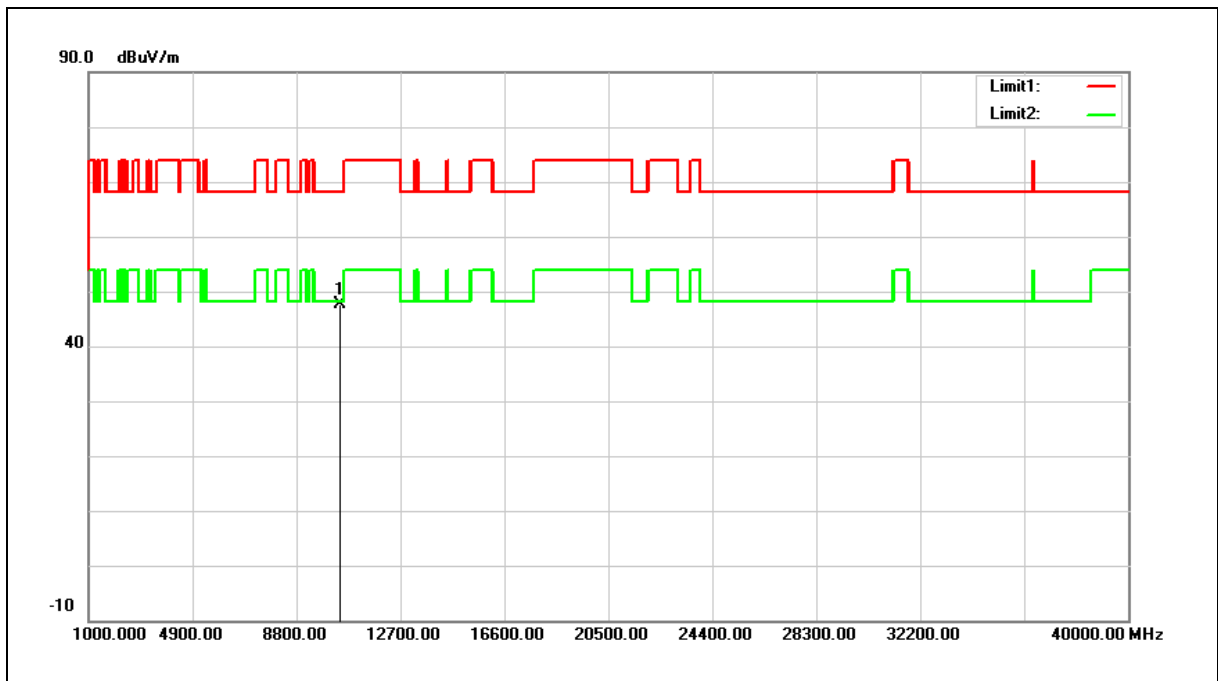
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	28.66	16.72	45.38	68.20	-22.82	peak

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

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

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

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



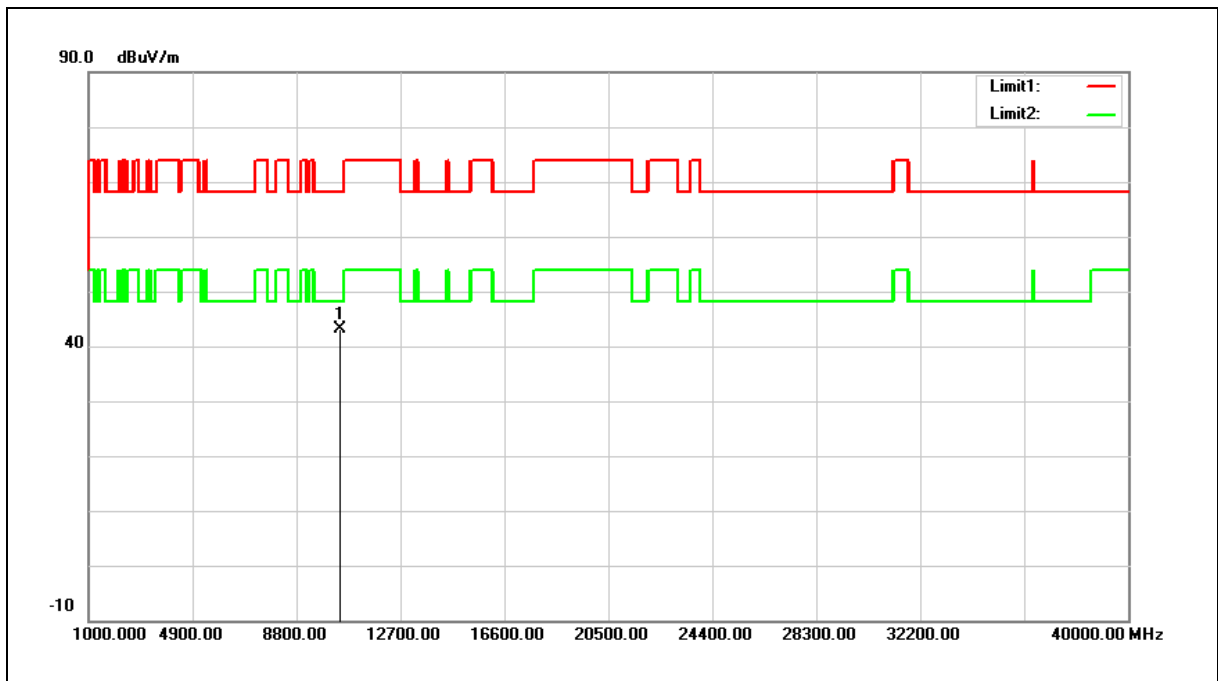
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	30.66	16.98	47.64	68.20	-20.56	peak

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

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

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

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



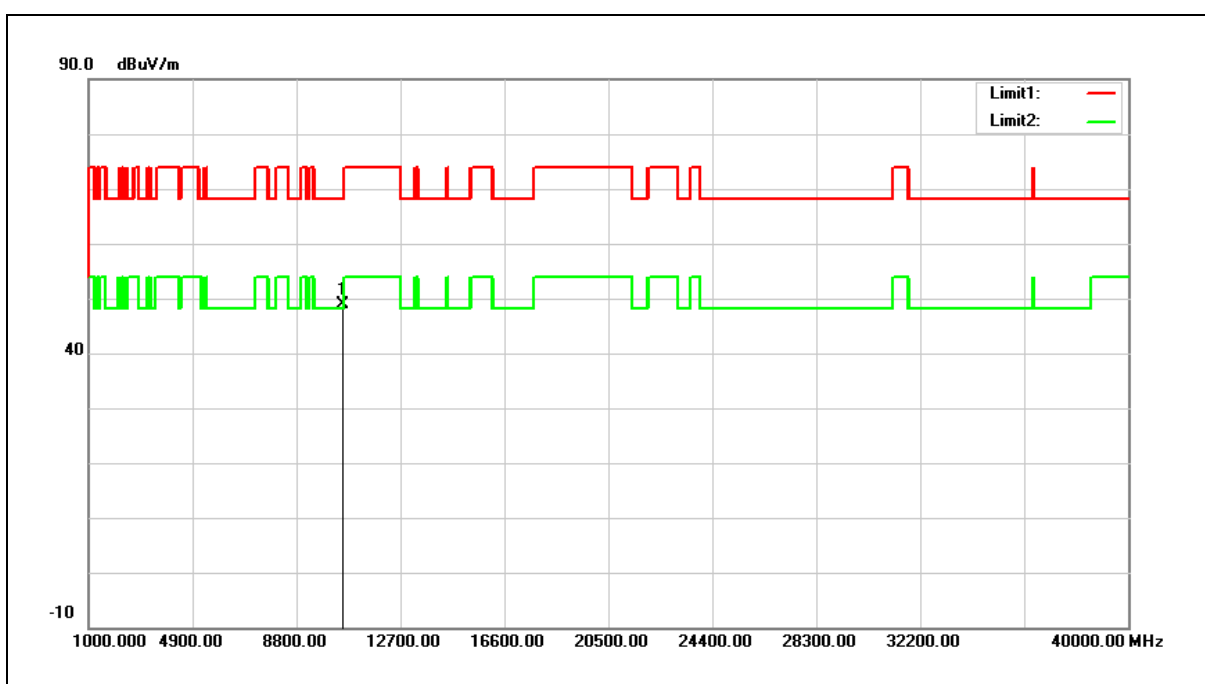
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	26.16	16.98	43.14	68.20	-25.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



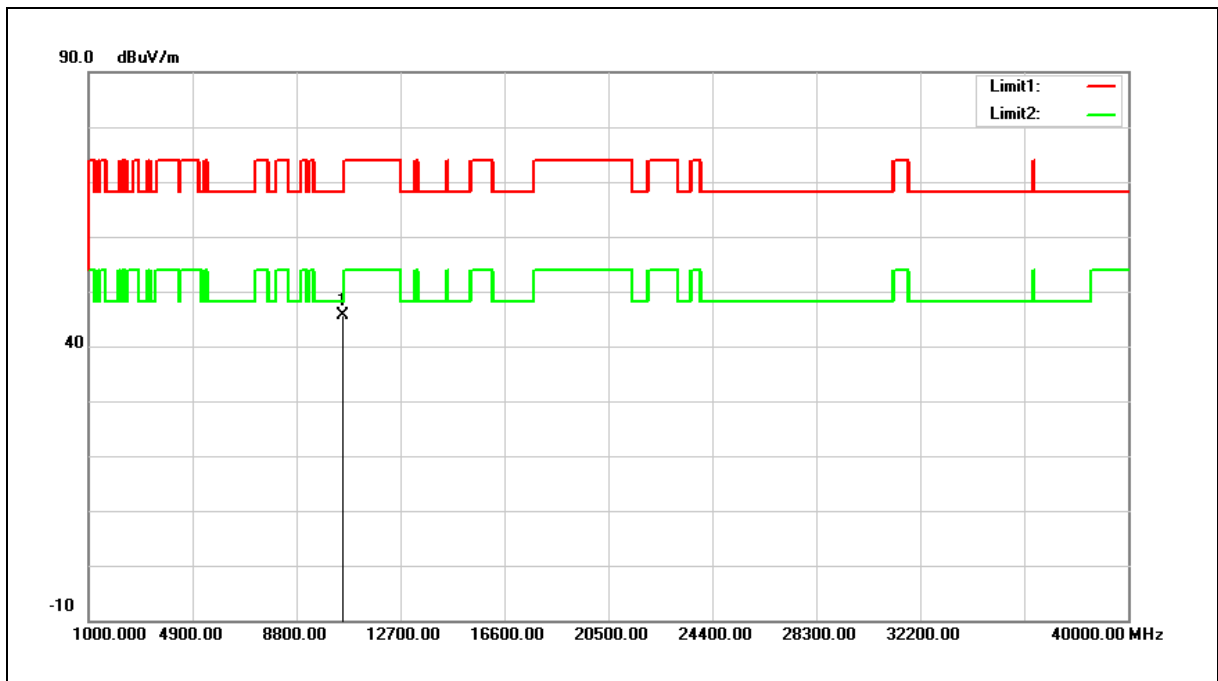
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	31.56	17.24	48.80	68.20	-19.40	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



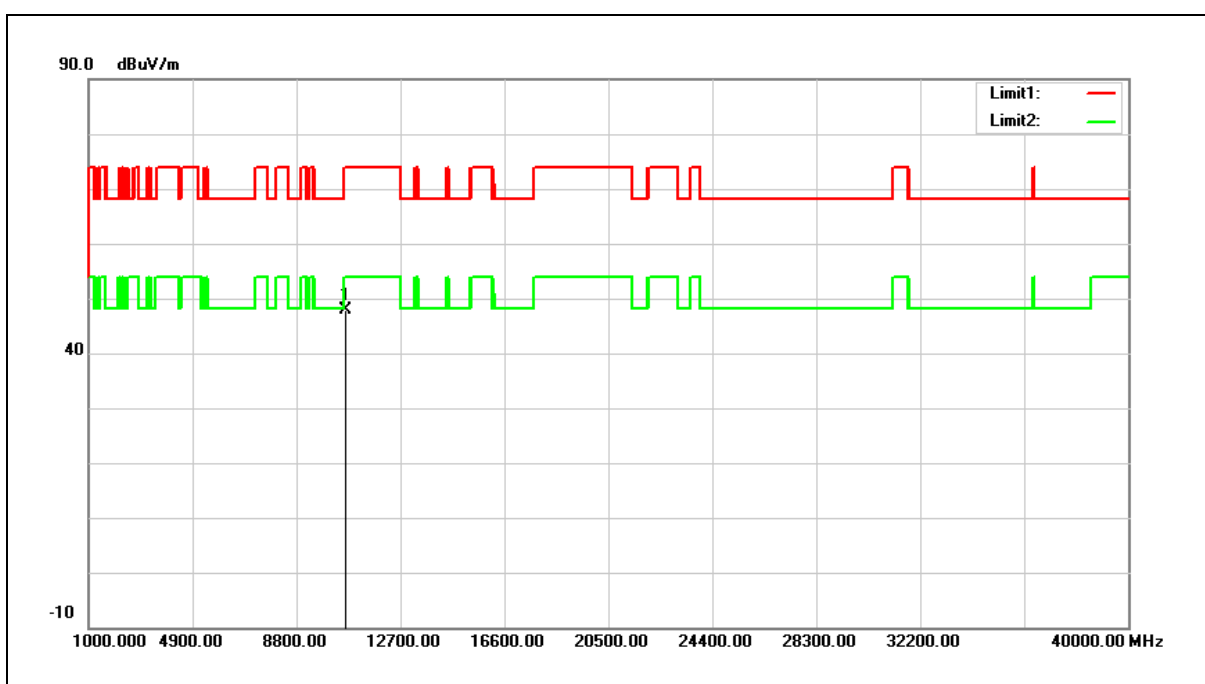
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	28.42	17.24	45.66	68.20	-22.54	peak

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:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



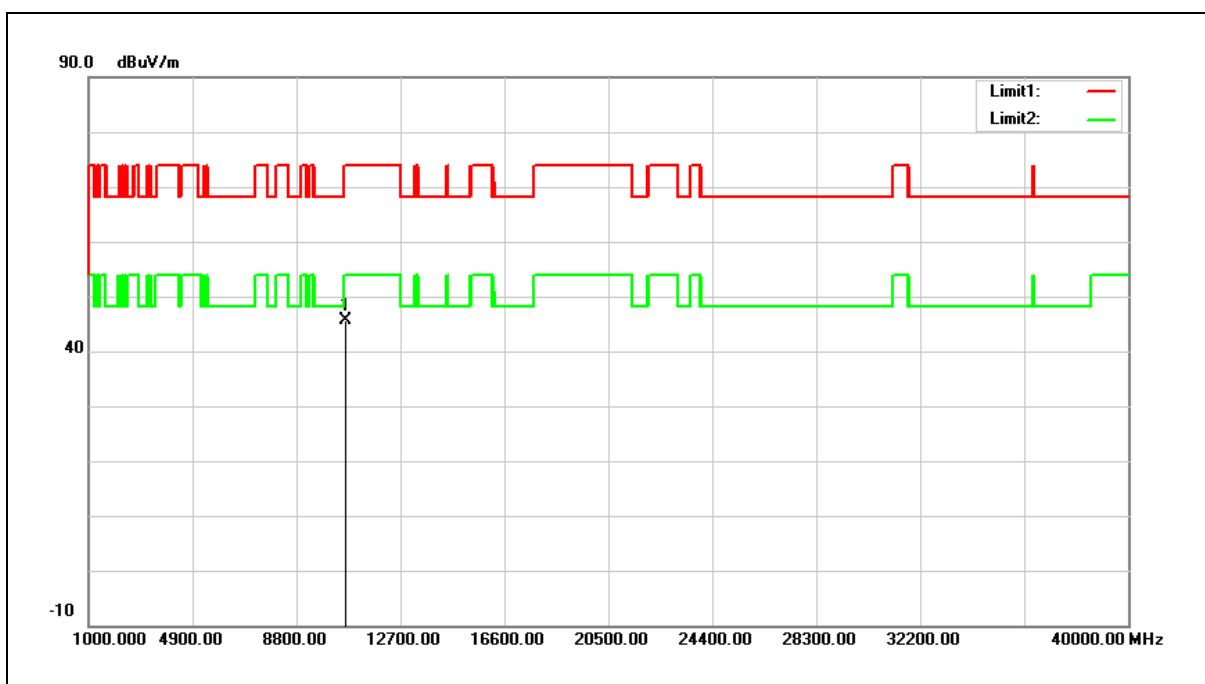
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	30.37	17.47	47.84	74.00	-26.16	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



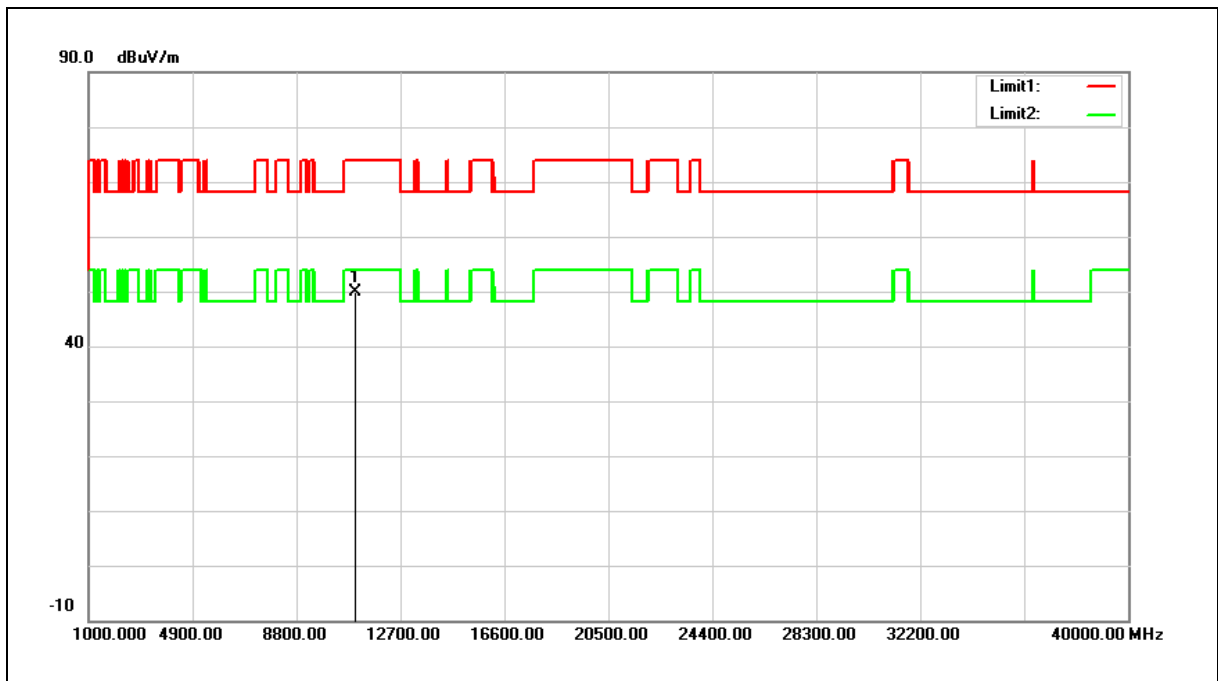
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	28.07	17.47	45.54	74.00	-28.46	peak

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:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



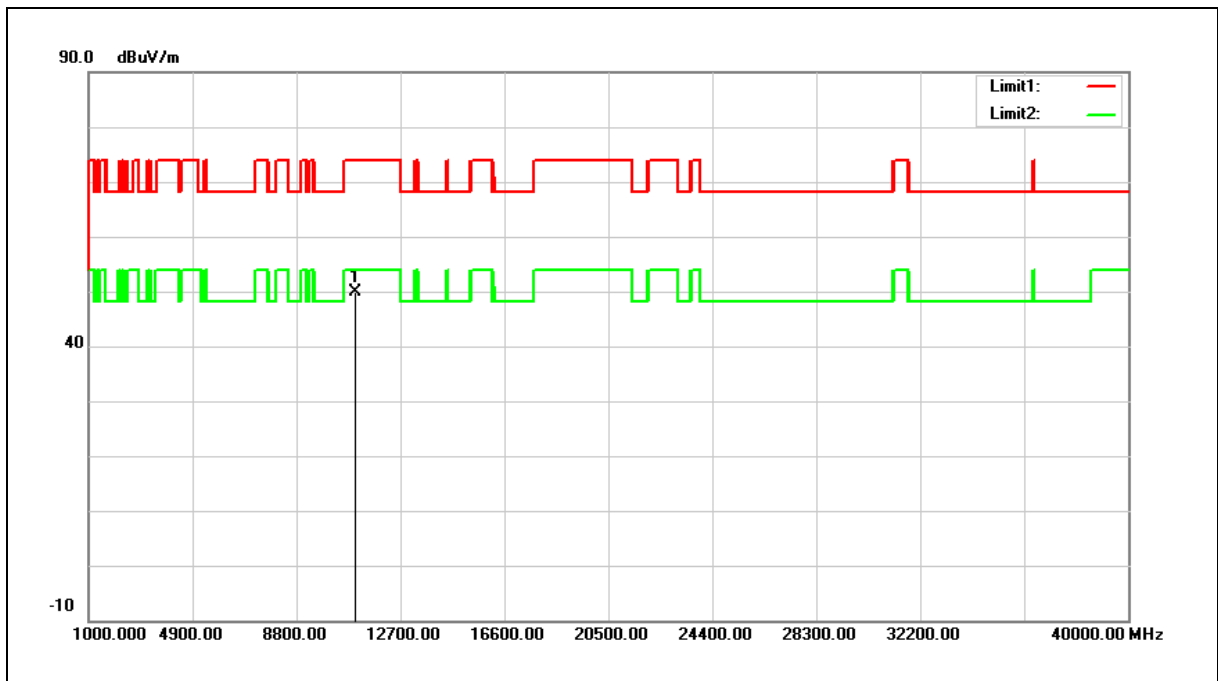
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	31.43	18.57	50.00	74.00	-24.00	peak

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:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



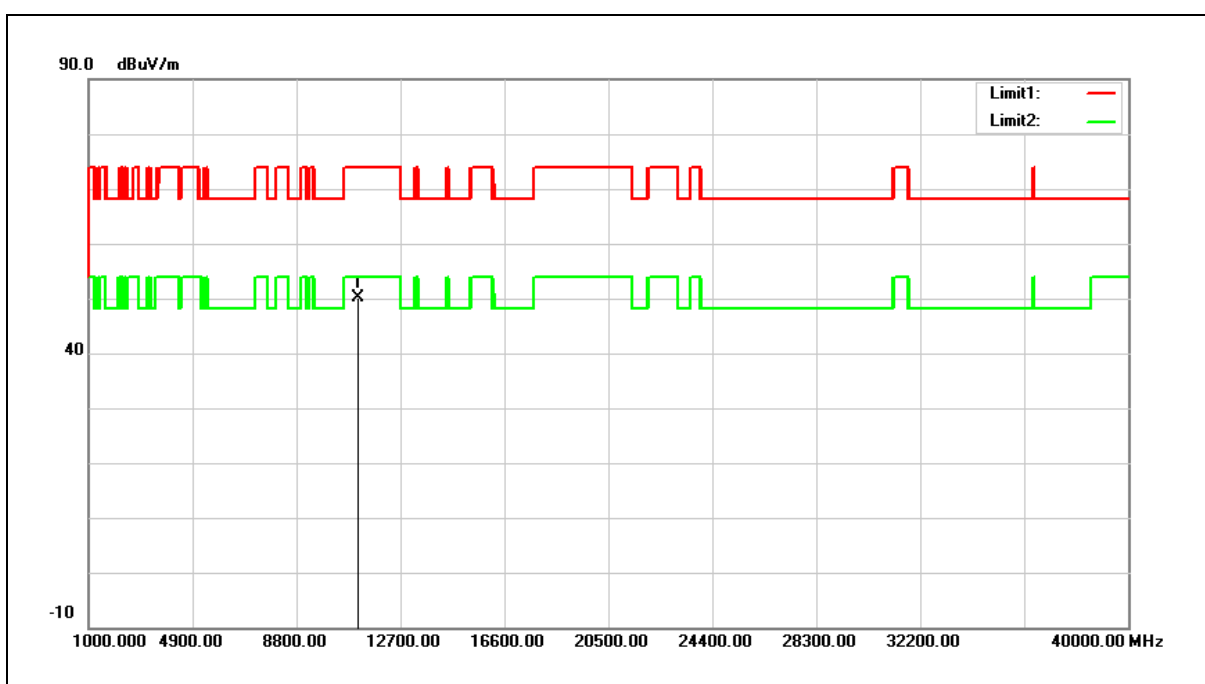
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	31.42	18.57	49.99	74.00	-24.01	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



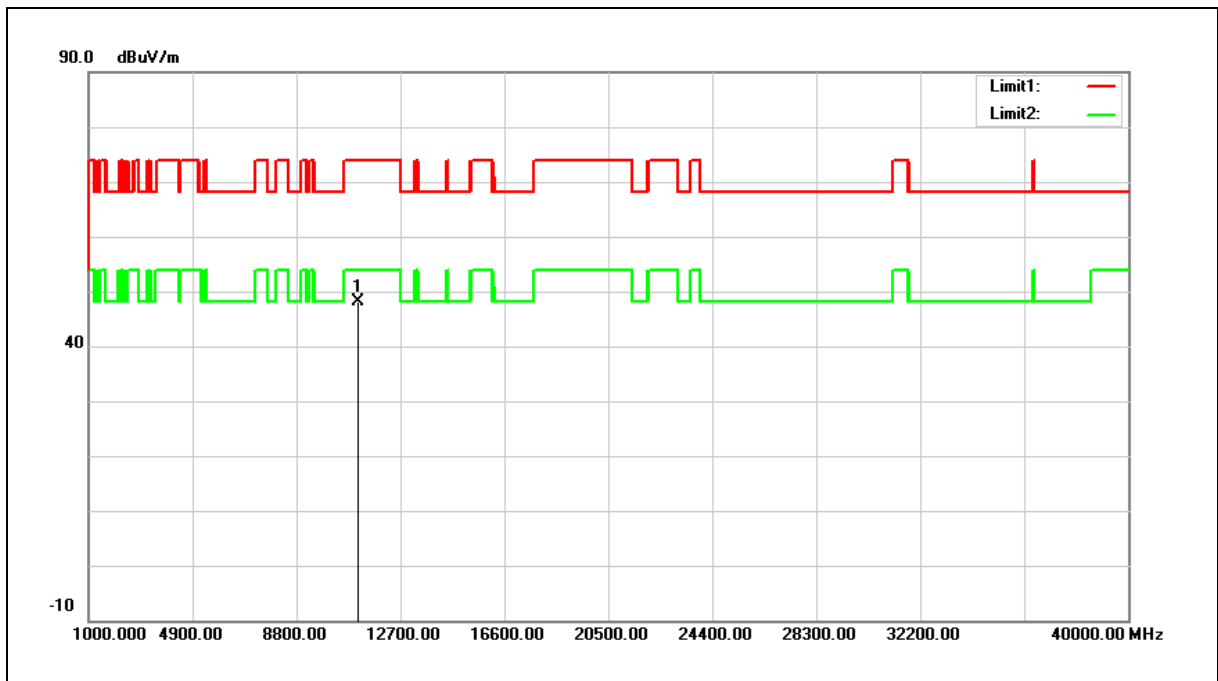
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	31.57	18.59	50.16	74.00	-23.84	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



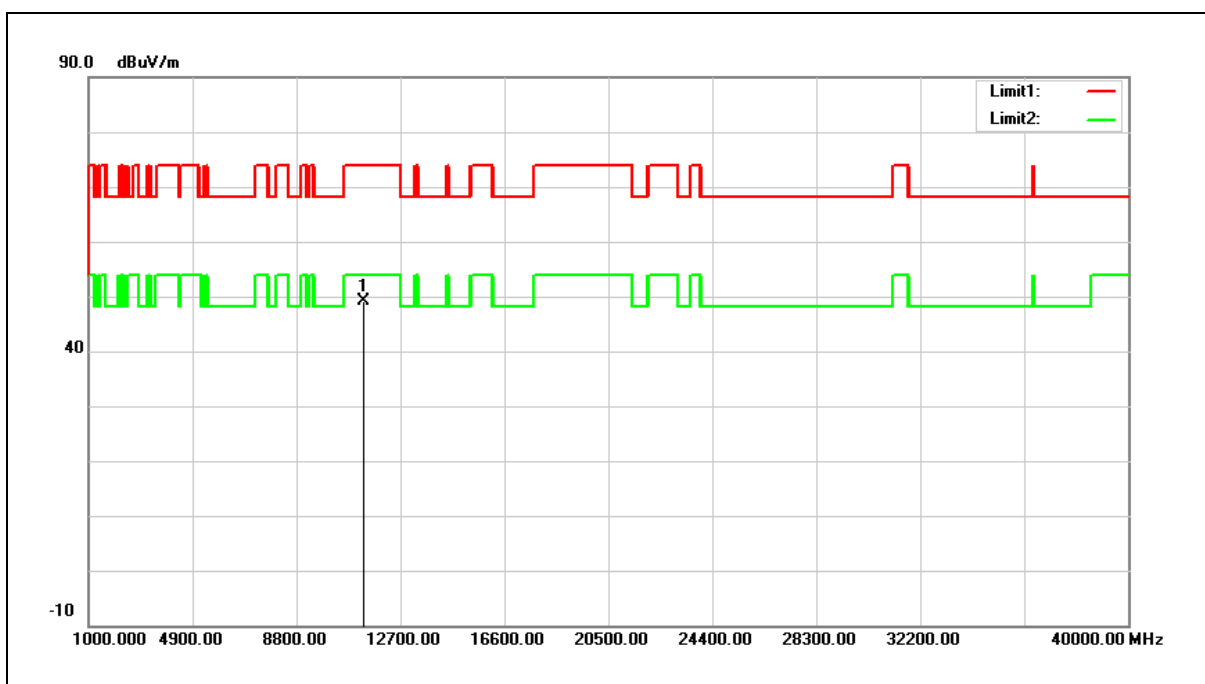
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	29.54	18.59	48.13	74.00	-25.87	peak

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:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



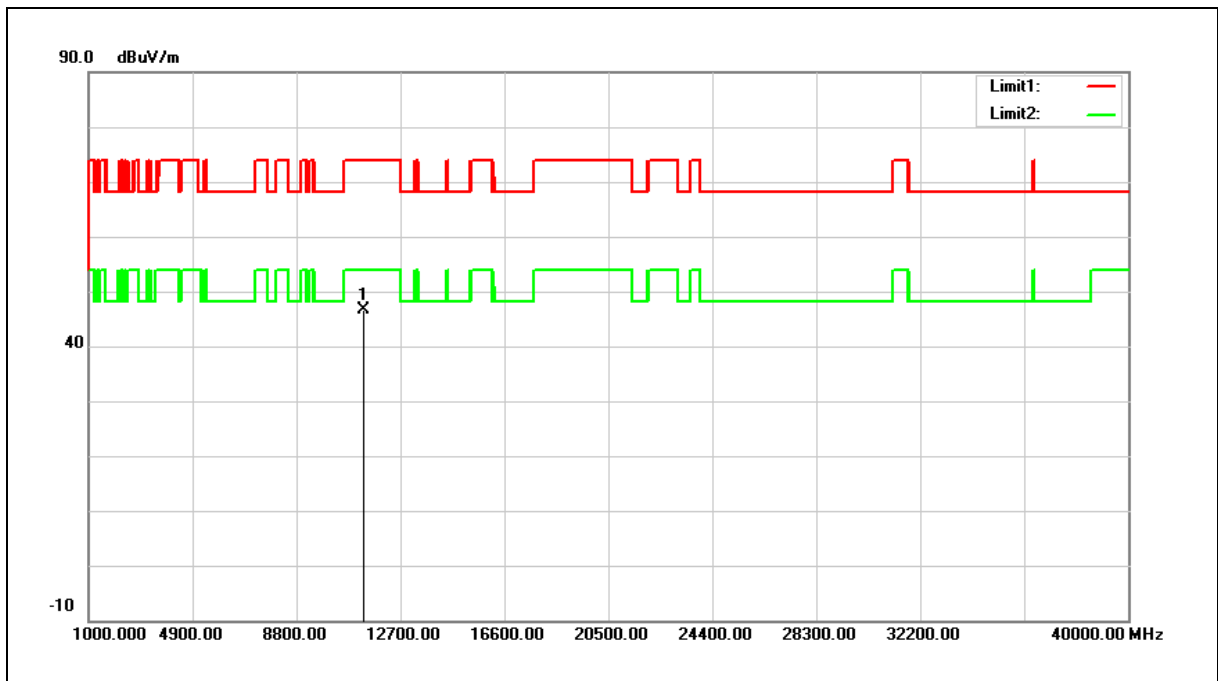
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	30.40	18.65	49.05	74.00	-24.95	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



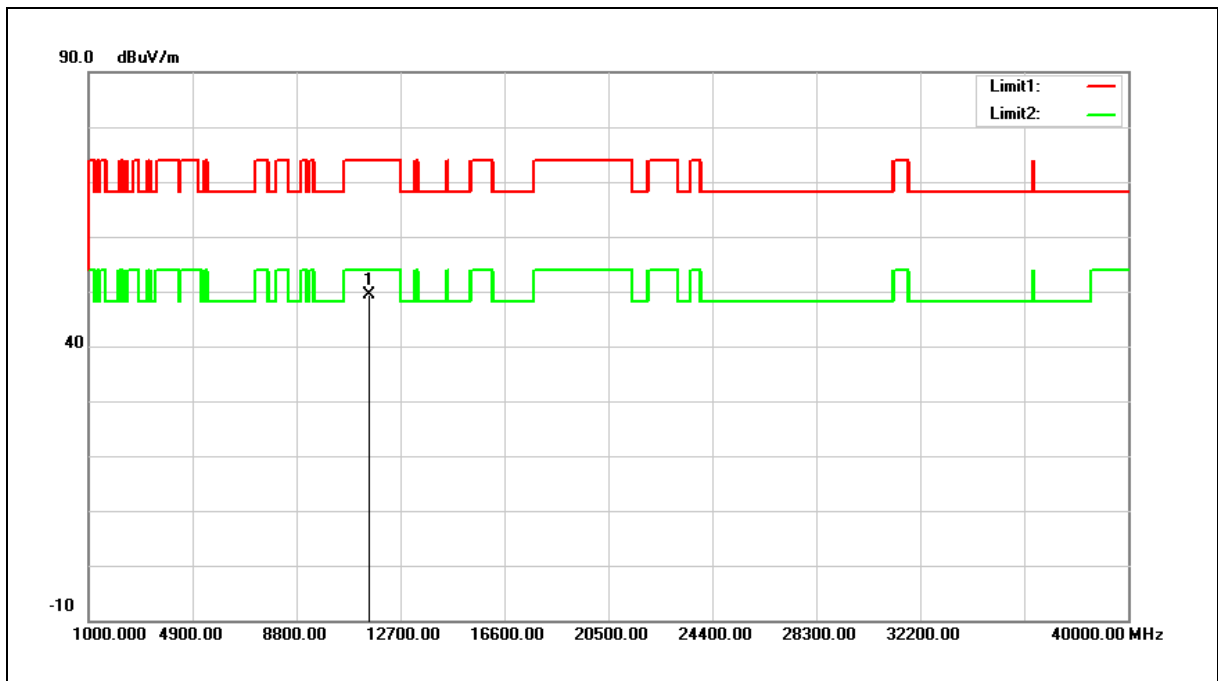
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	27.93	18.65	46.58	74.00	-27.42	peak

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



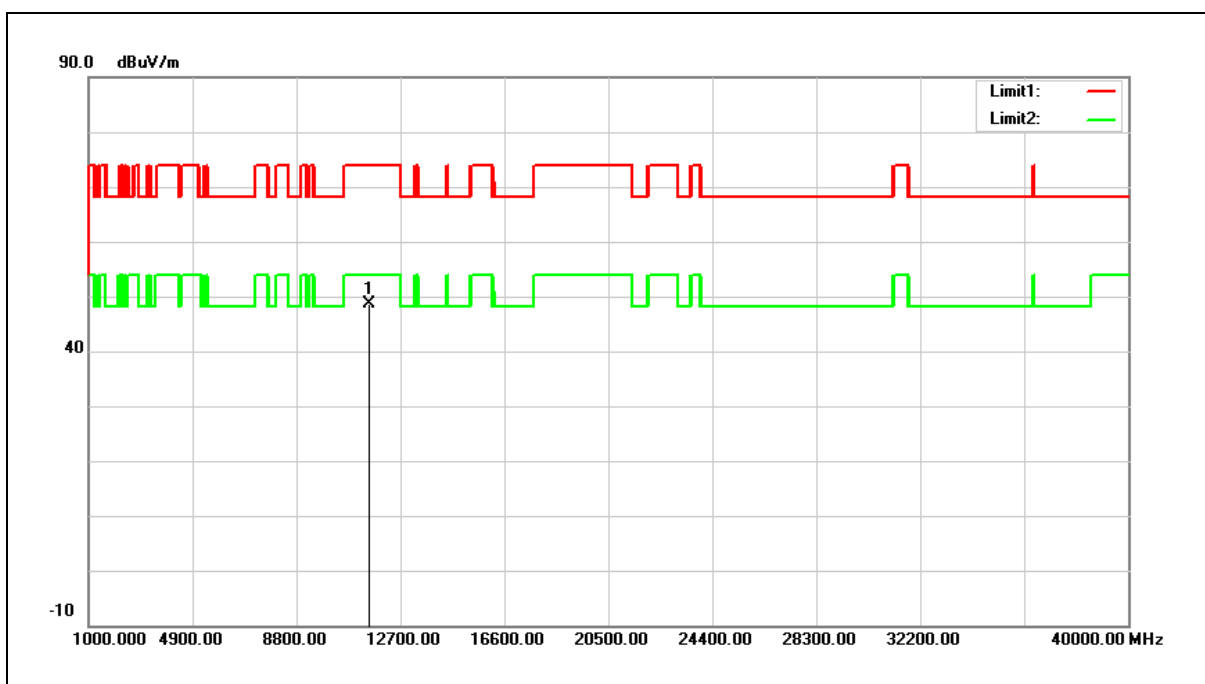
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	30.68	18.68	49.36	74.00	-24.64	peak

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

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

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

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



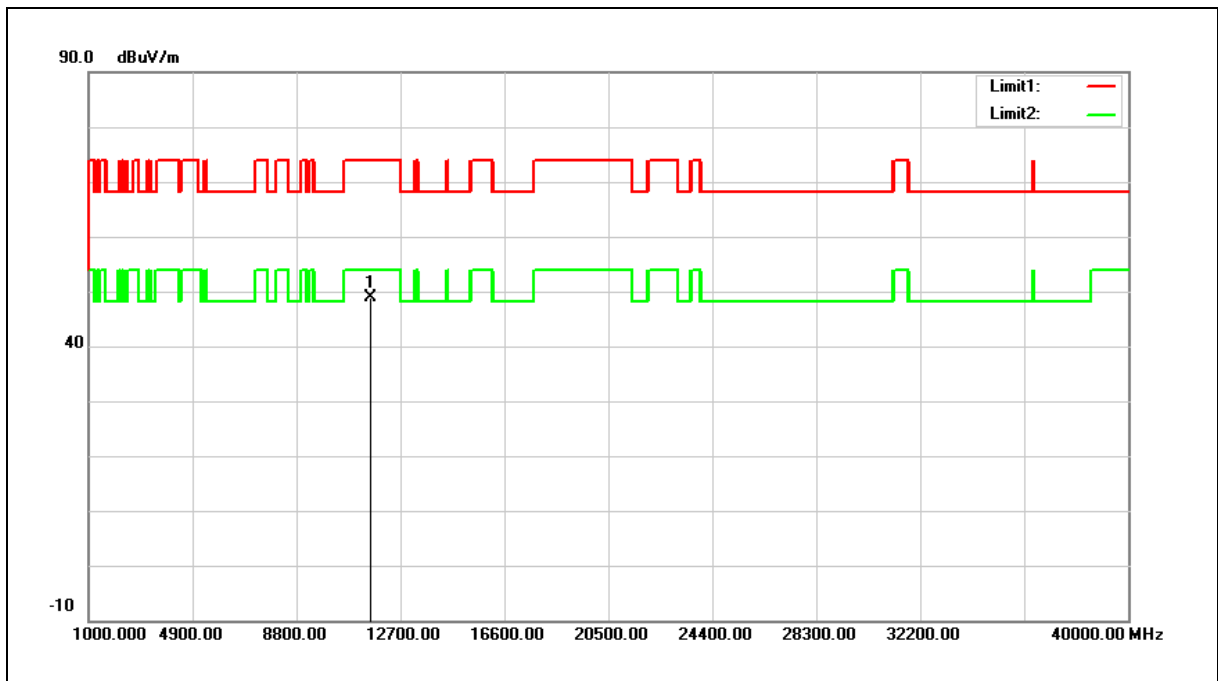
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	30.04	18.68	48.72	74.00	-25.28	peak

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

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

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

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



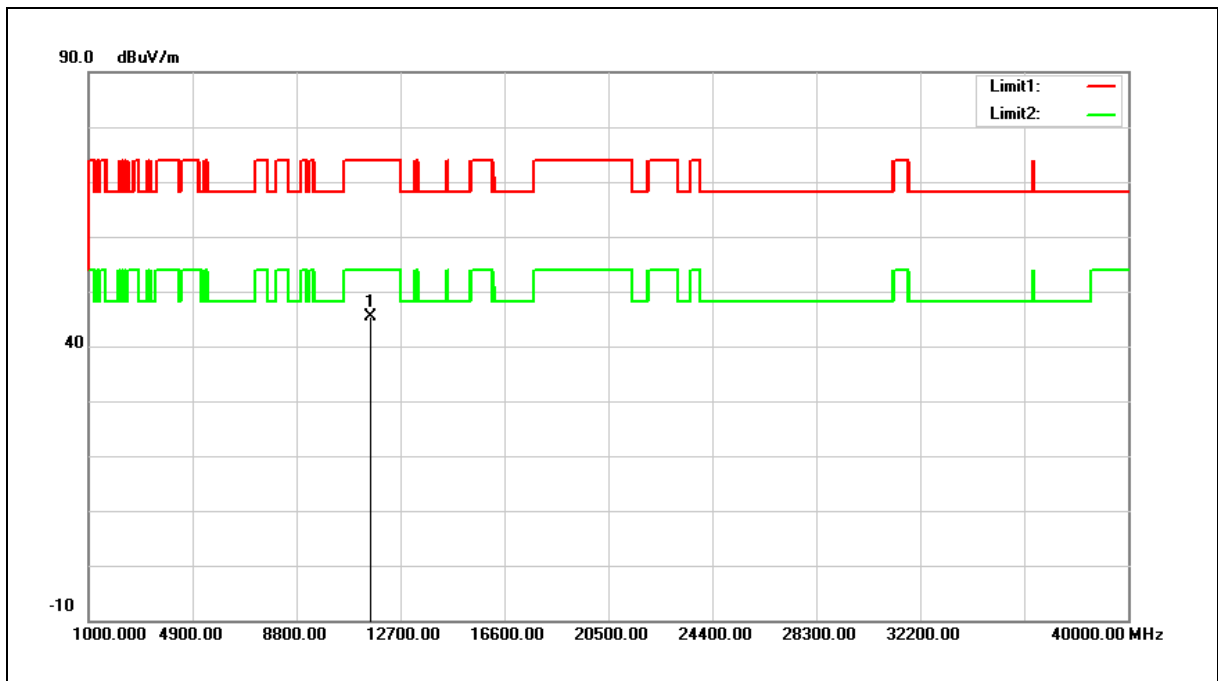
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	30.32	18.58	48.90	74.00	-25.10	peak

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

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

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

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



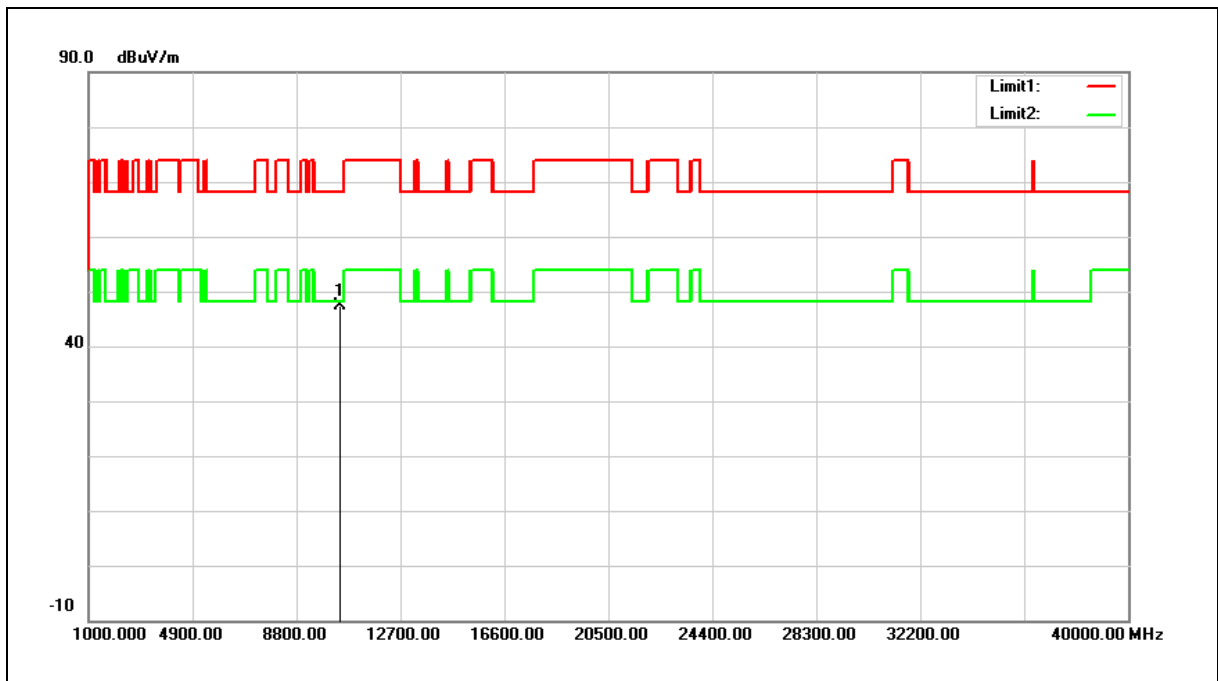
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	26.76	18.58	45.34	74.00	-28.66	peak

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

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

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

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



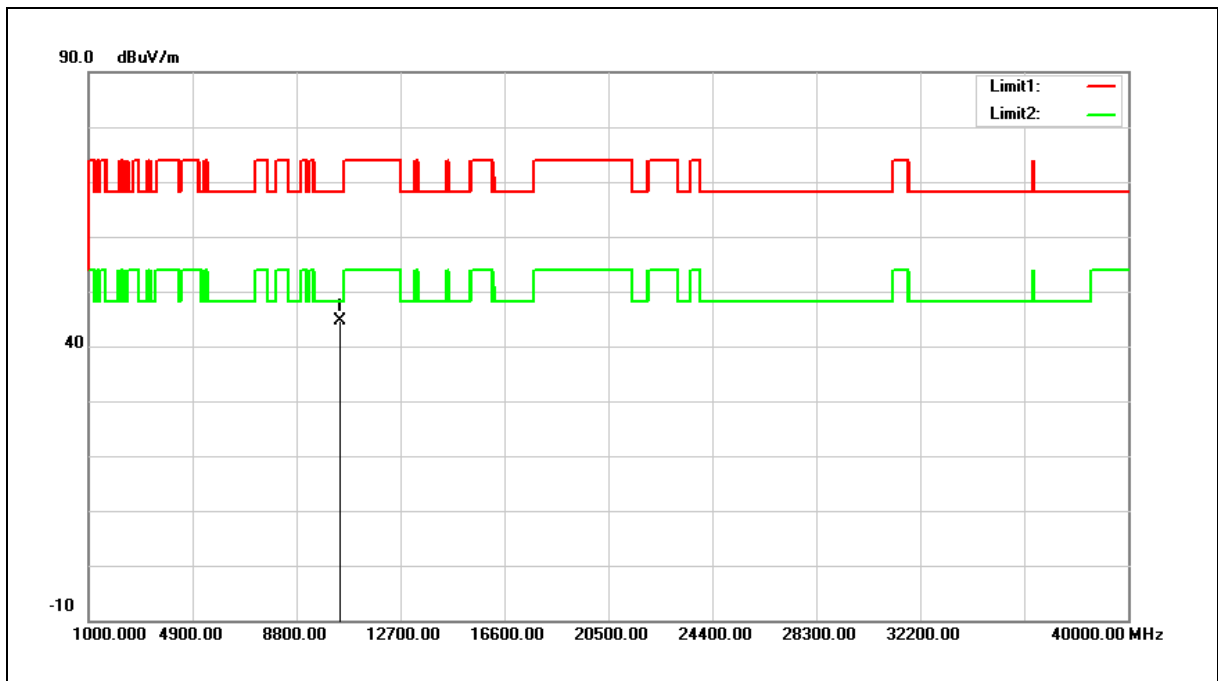
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	30.54	16.85	47.39	68.20	-20.81	peak

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



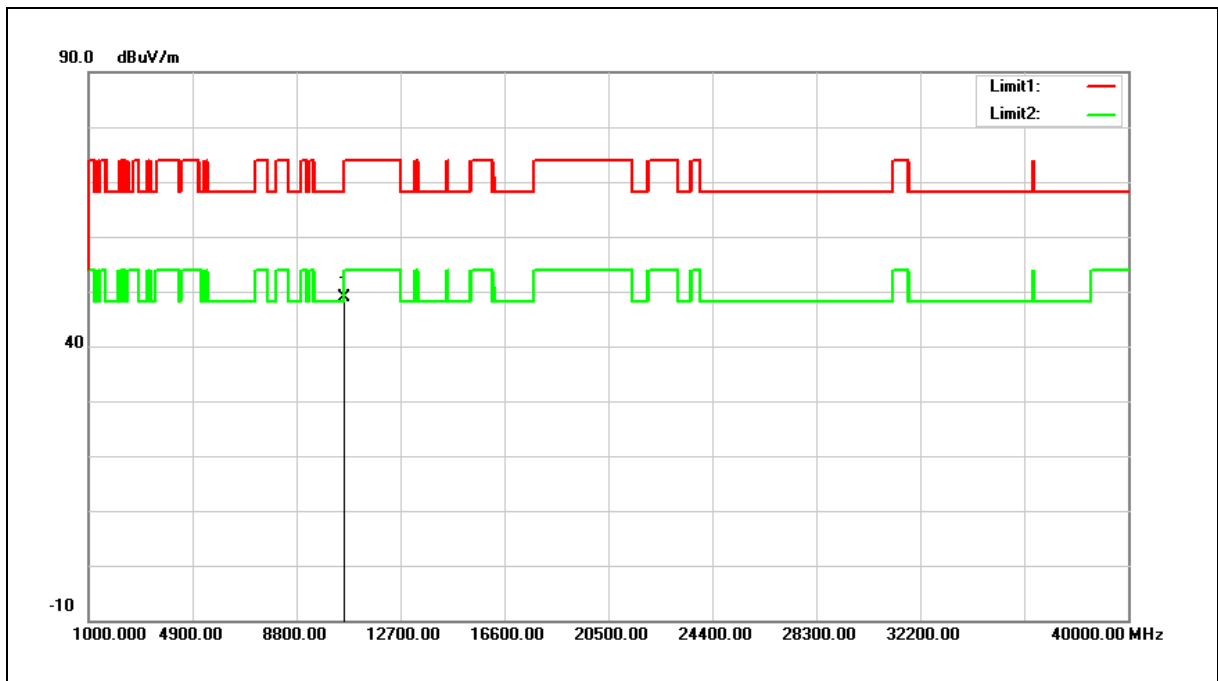
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	27.80	16.85	44.65	68.20	-23.55	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



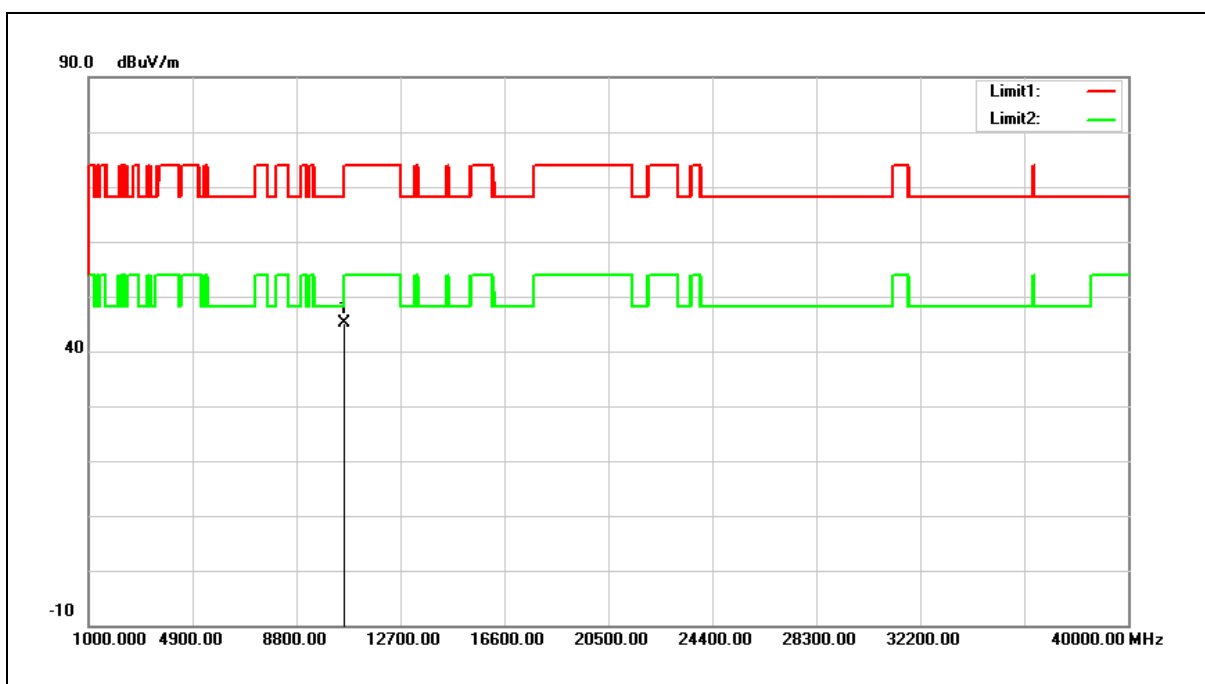
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	31.57	17.35	48.92	68.20	-19.28	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



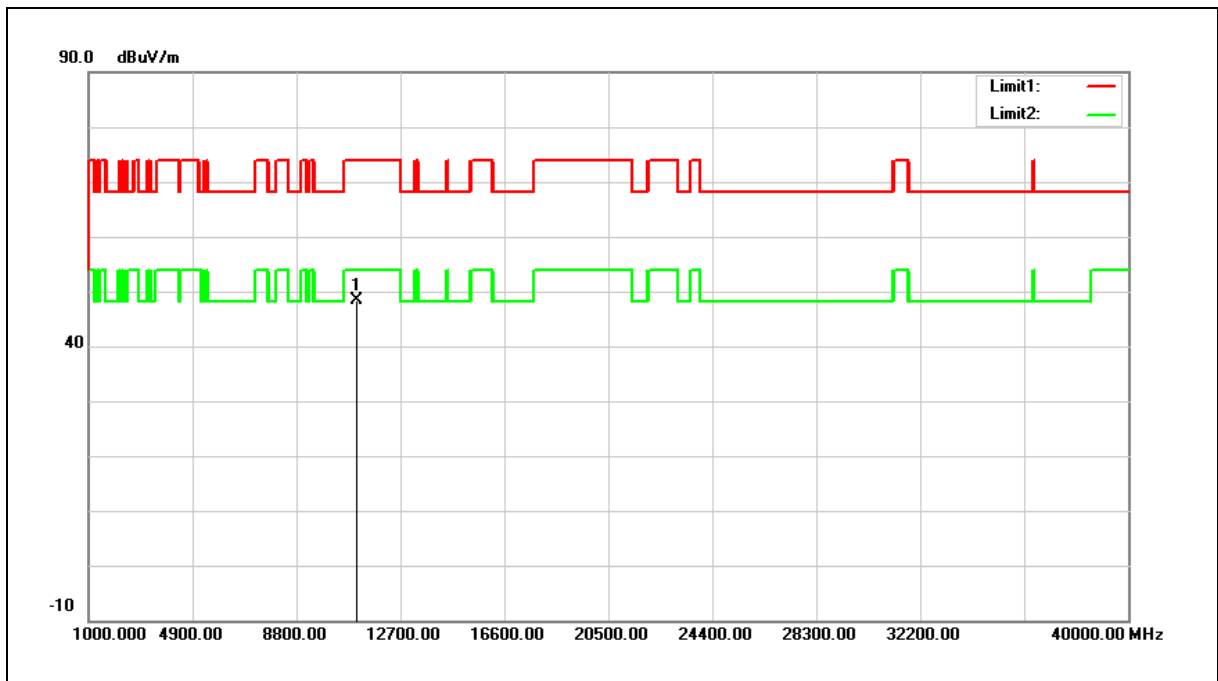
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	27.79	17.35	45.14	68.20	-23.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



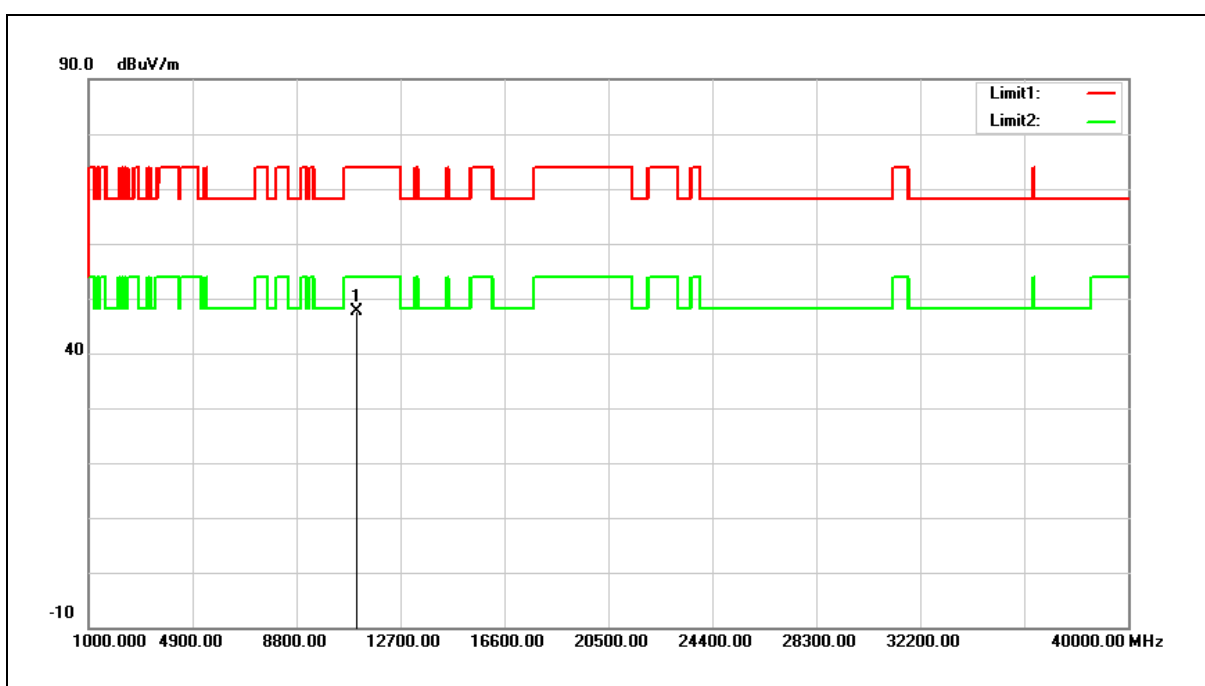
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	29.83	18.57	48.40	74.00	-25.60	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



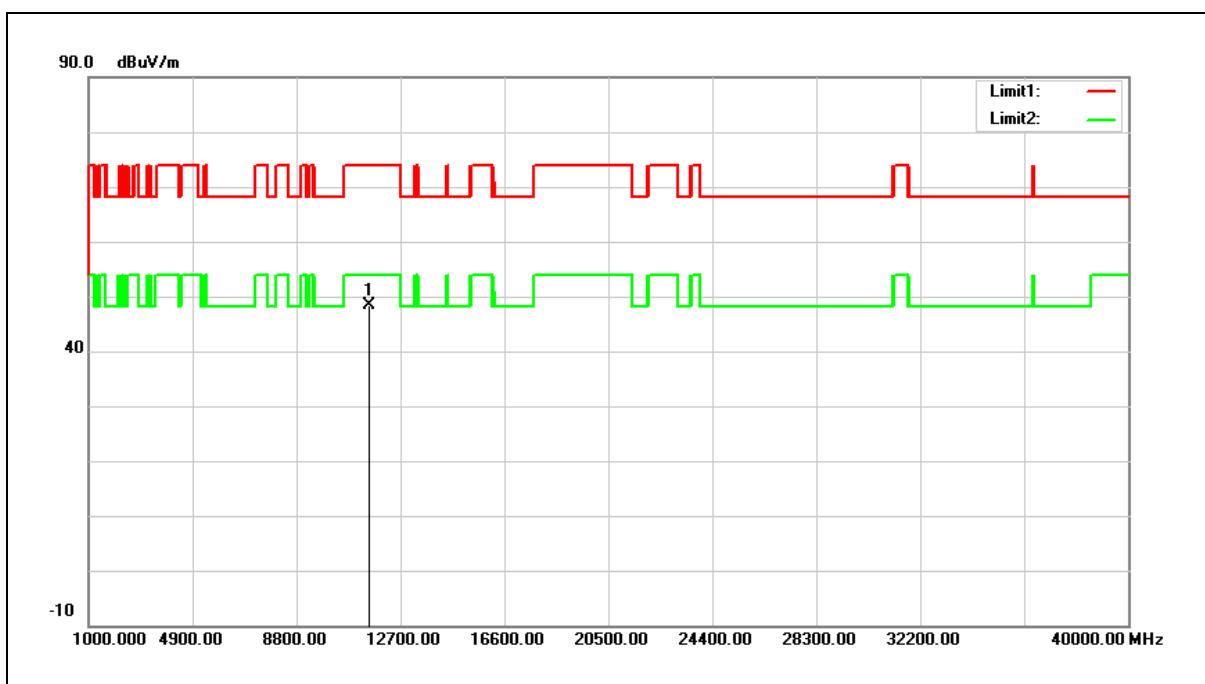
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	28.95	18.57	47.52	74.00	-26.48	peak

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

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

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

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



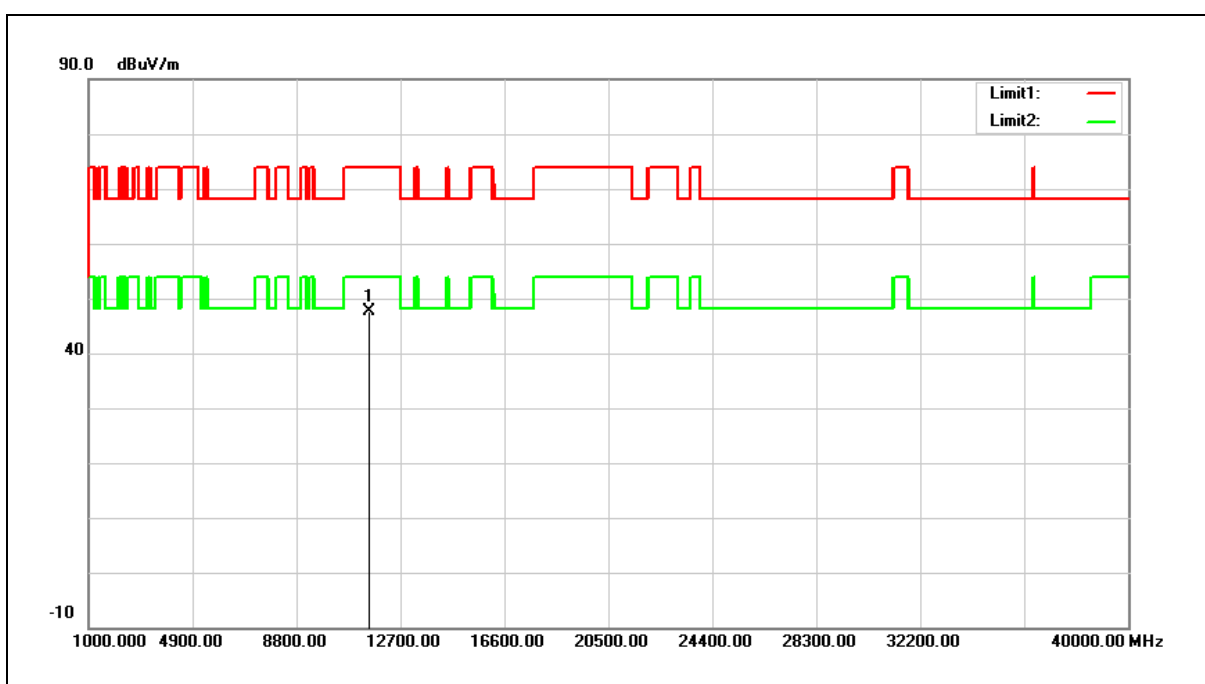
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	29.85	18.62	48.47	74.00	-25.53	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	29.11	18.62	47.73	74.00	-26.27	peak

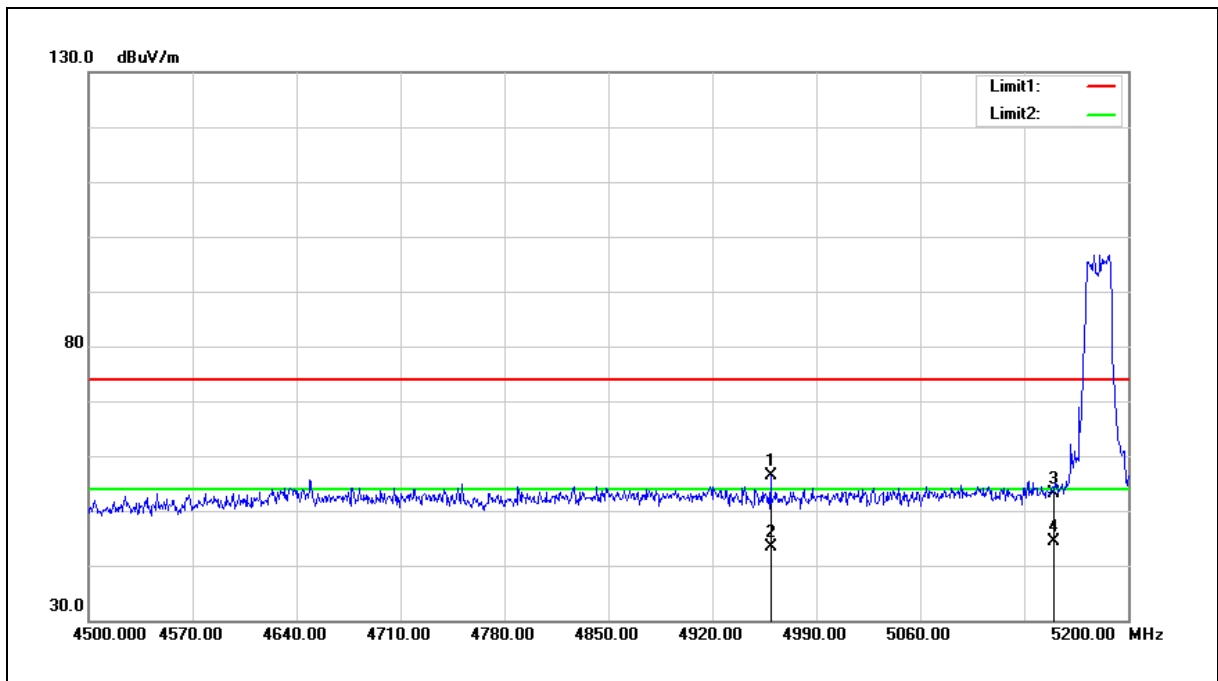
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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

Band Edge

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



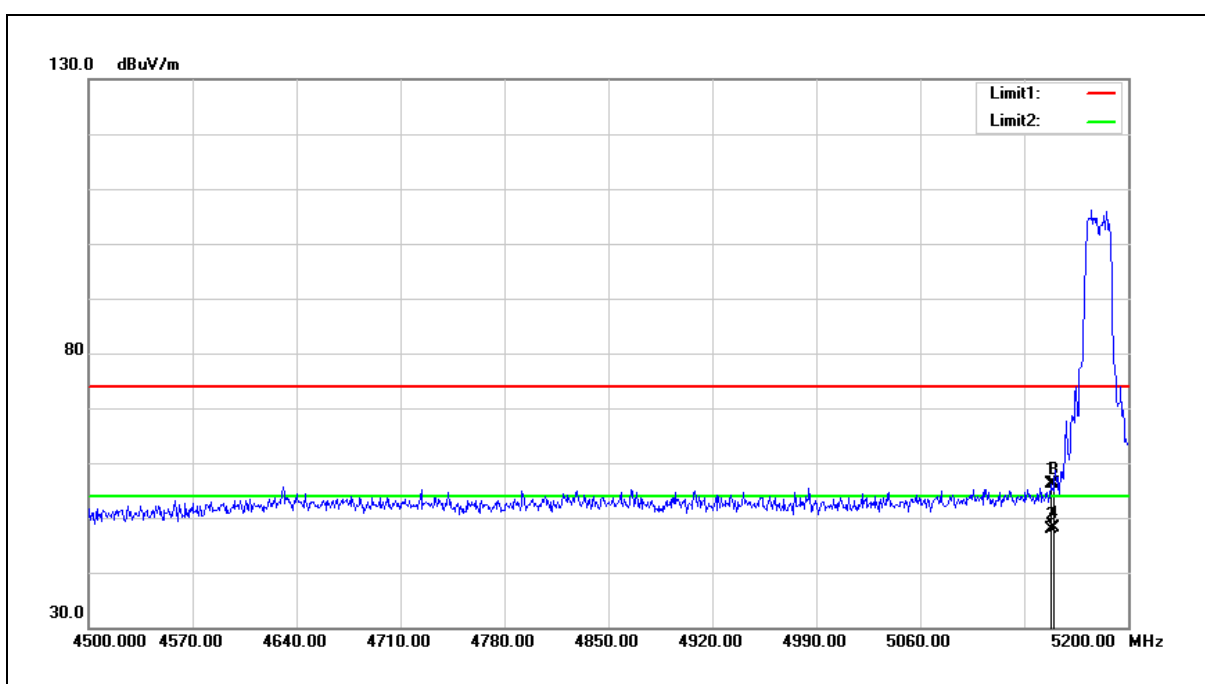
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4959.200	50.78	5.62	56.40	74.00	-17.60	peak
2	4959.200	37.66	5.62	43.28	54.00	-10.72	AVG
3	5150.000	47.02	5.99	53.01	74.00	-20.99	peak
4	5150.000	38.35	5.99	44.34	54.00	-9.66	AVG

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.200	50.11	5.98	56.09	74.00	-17.91	peak
2	5148.200	41.93	5.98	47.91	54.00	-6.09	AVG
3	5150.000	50.11	5.99	56.10	74.00	-17.90	peak
4	5150.000	42.23	5.99	48.22	54.00	-5.78	AVG

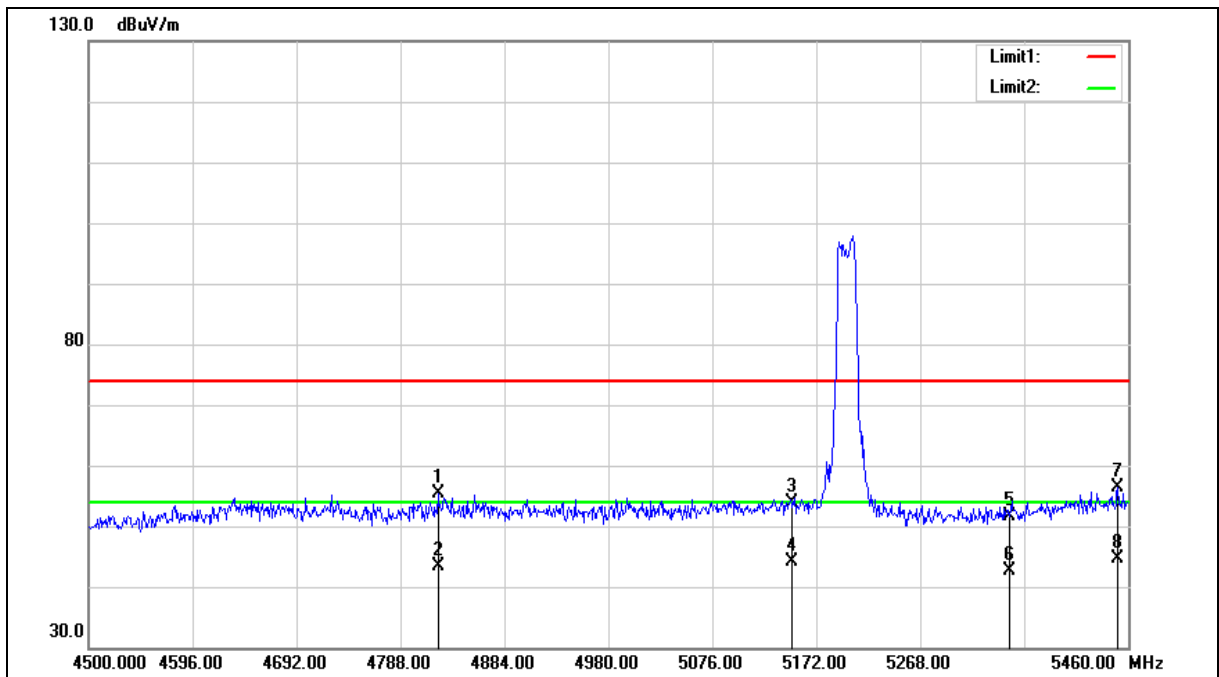
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4822.560	50.13	5.21	55.34	74.00	-18.66	peak
2	4822.560	38.24	5.21	43.45	54.00	-10.55	AVG
3	5150.000	47.84	5.99	53.83	74.00	-20.17	peak
4	5150.000	38.12	5.99	44.11	54.00	-9.89	AVG
5	5350.000	45.40	6.31	51.71	74.00	-22.29	peak
6	5350.000	36.43	6.31	42.74	54.00	-11.26	AVG
7	5450.400	49.93	6.48	56.41	74.00	-17.59	peak
8	5450.400	38.18	6.48	44.66	54.00	-9.34	AVG

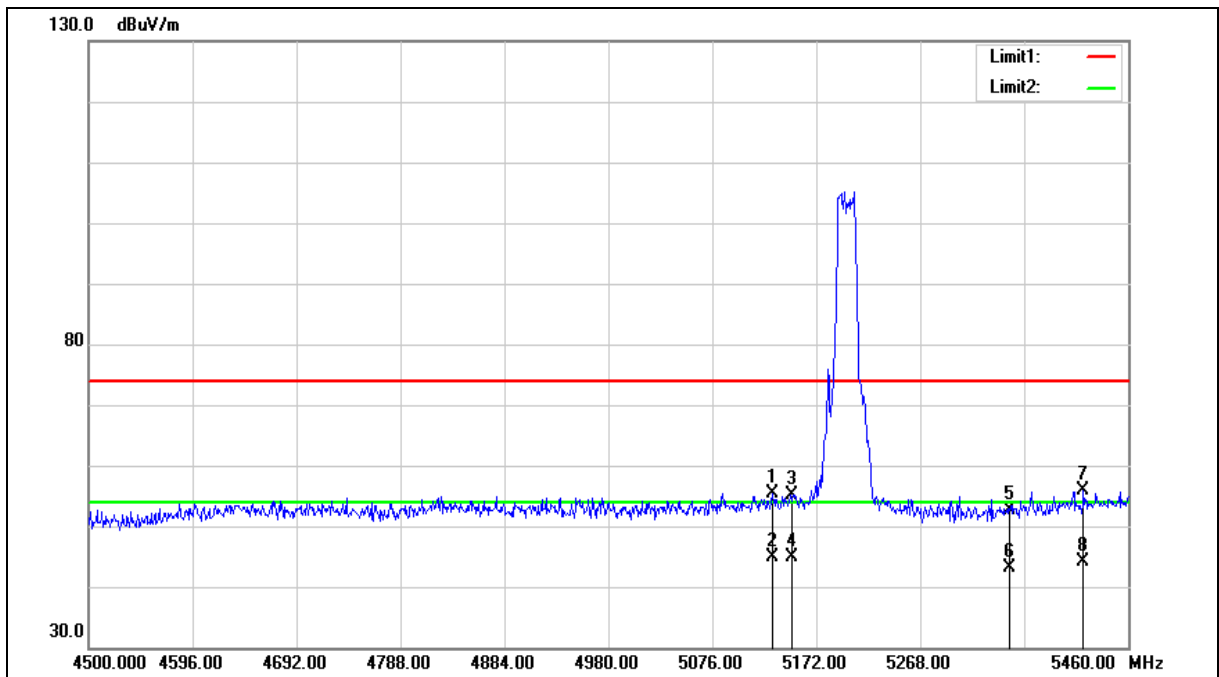
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5131.680	49.50	5.96	55.46	74.00	-18.54	peak
2	5131.680	38.91	5.96	44.87	54.00	-9.13	AVG
3	5150.000	49.19	5.99	55.18	74.00	-18.82	peak
4	5150.000	38.87	5.99	44.86	54.00	-9.14	AVG
5	5350.000	46.38	6.31	52.69	74.00	-21.31	peak
6	5350.000	36.83	6.31	43.14	54.00	-10.86	AVG
7	5418.720	49.45	6.43	55.88	74.00	-18.12	peak
8	5418.720	37.76	6.43	44.19	54.00	-9.81	AVG

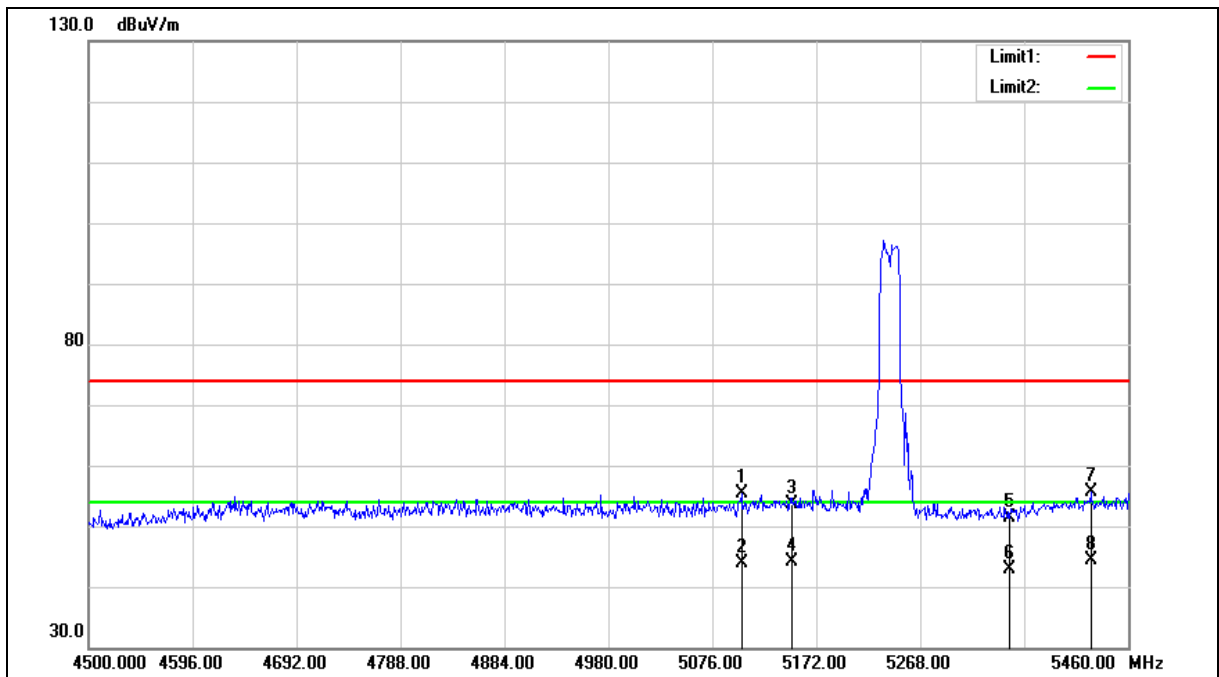
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5102.880	49.56	5.91	55.47	74.00	-18.53	peak
2	5102.880	37.86	5.91	43.77	54.00	-10.23	AVG
3	5150.000	47.71	5.99	53.70	74.00	-20.30	peak
4	5150.000	38.12	5.99	44.11	54.00	-9.89	AVG
5	5350.000	45.05	6.31	51.36	74.00	-22.64	peak
6	5350.000	36.46	6.31	42.77	54.00	-11.23	AVG
7	5425.440	49.24	6.44	55.68	74.00	-18.32	peak
8	5425.440	37.84	6.44	44.28	54.00	-9.72	AVG

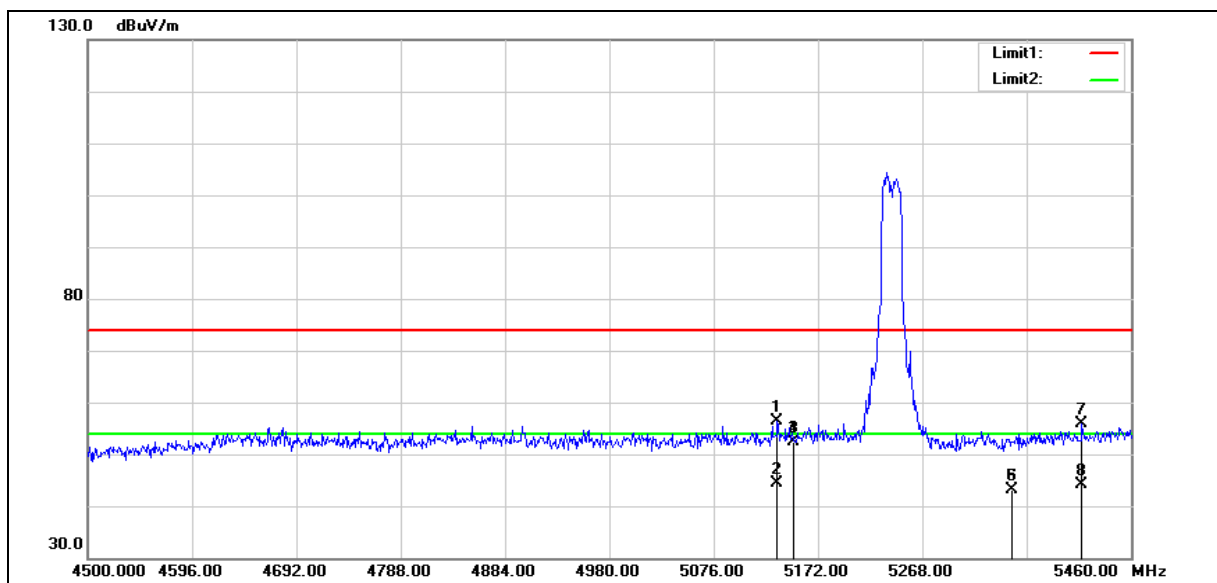
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5134.560	50.37	5.96	56.33	74.00	-17.67	peak
2	5134.560	38.30	5.96	44.26	54.00	-9.74	AVG
3	5150.000	46.37	5.99	52.36	74.00	-21.64	peak
4	5150.000	46.37	5.99	52.36	54.00	-1.64	AVG
5	5350.000	36.79	6.31	43.10	74.00	-30.90	peak
6	5350.000	36.82	6.31	43.13	54.00	-10.87	AVG
7	5414.880	49.50	6.42	55.92	74.00	-18.08	peak
8	5414.880	37.72	6.42	44.14	54.00	-9.86	AVG

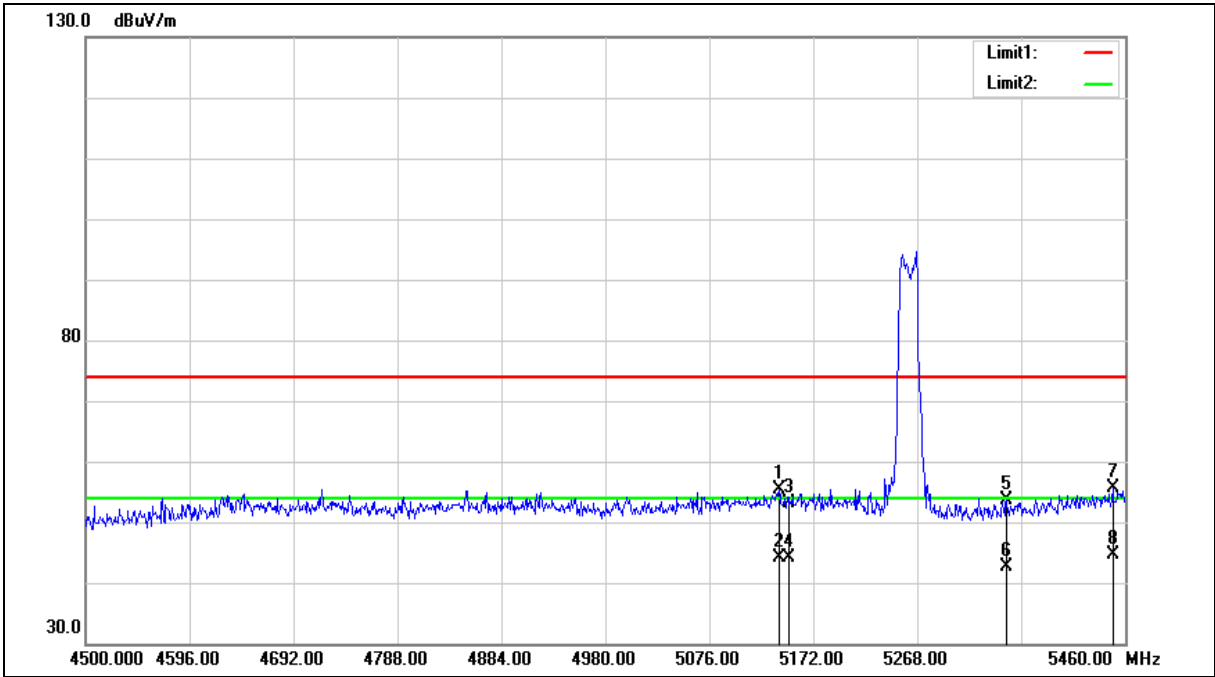
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5140.320	49.36	5.98	55.34	74.00	-18.66	peak
2	5140.320	38.12	5.98	44.10	54.00	-9.90	AVG
3	5150.000	47.25	5.99	53.24	74.00	-20.76	peak
4	5150.000	38.09	5.99	44.08	54.00	-9.92	AVG
5	5350.000	47.25	6.31	53.56	74.00	-20.44	peak
6	5350.000	36.39	6.31	42.70	54.00	-11.30	AVG
7	5448.480	49.15	6.48	55.63	74.00	-18.37	peak
8	5448.480	38.10	6.48	44.58	54.00	-9.42	AVG

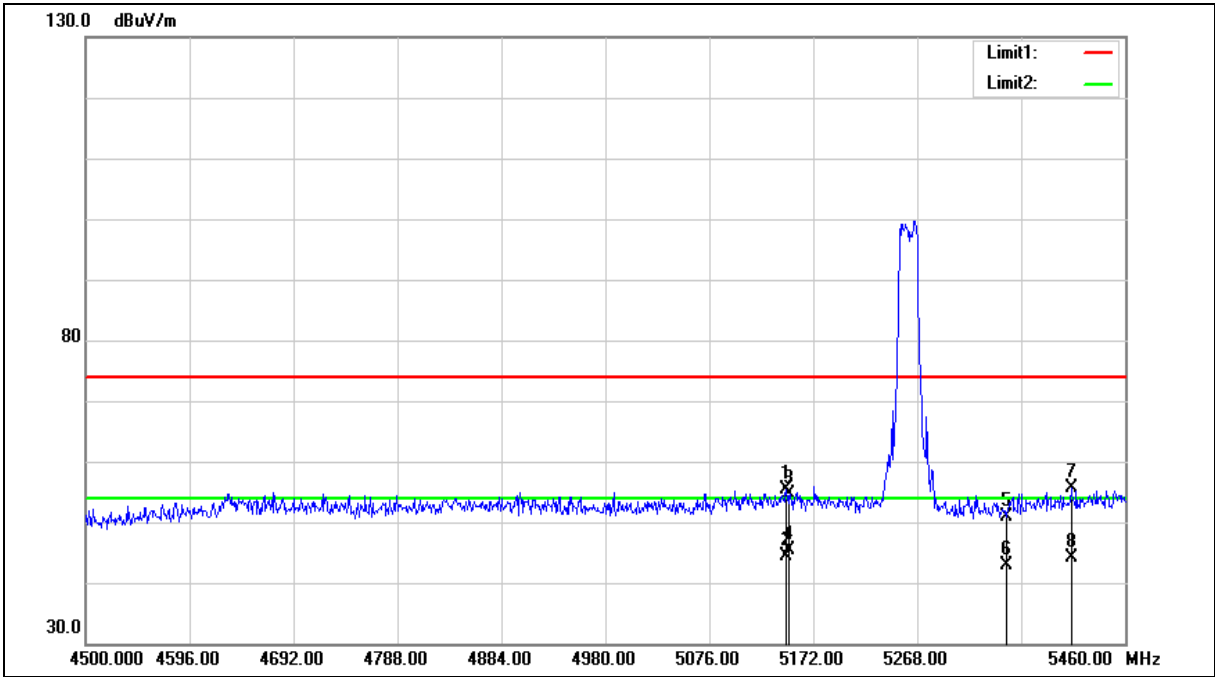
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.040	49.37	5.98	55.35	74.00	-18.65	peak
2	5147.040	38.36	5.98	44.34	54.00	-9.66	AVG
3	5150.000	48.65	5.99	54.64	74.00	-19.36	peak
4	5150.000	39.45	5.99	45.44	54.00	-8.56	AVG
5	5350.000	44.46	6.31	50.77	74.00	-23.23	peak
6	5350.000	36.68	6.31	42.99	54.00	-11.01	AVG
7	5410.080	49.13	6.40	55.53	74.00	-18.47	peak
8	5410.080	37.69	6.40	44.09	54.00	-9.91	AVG

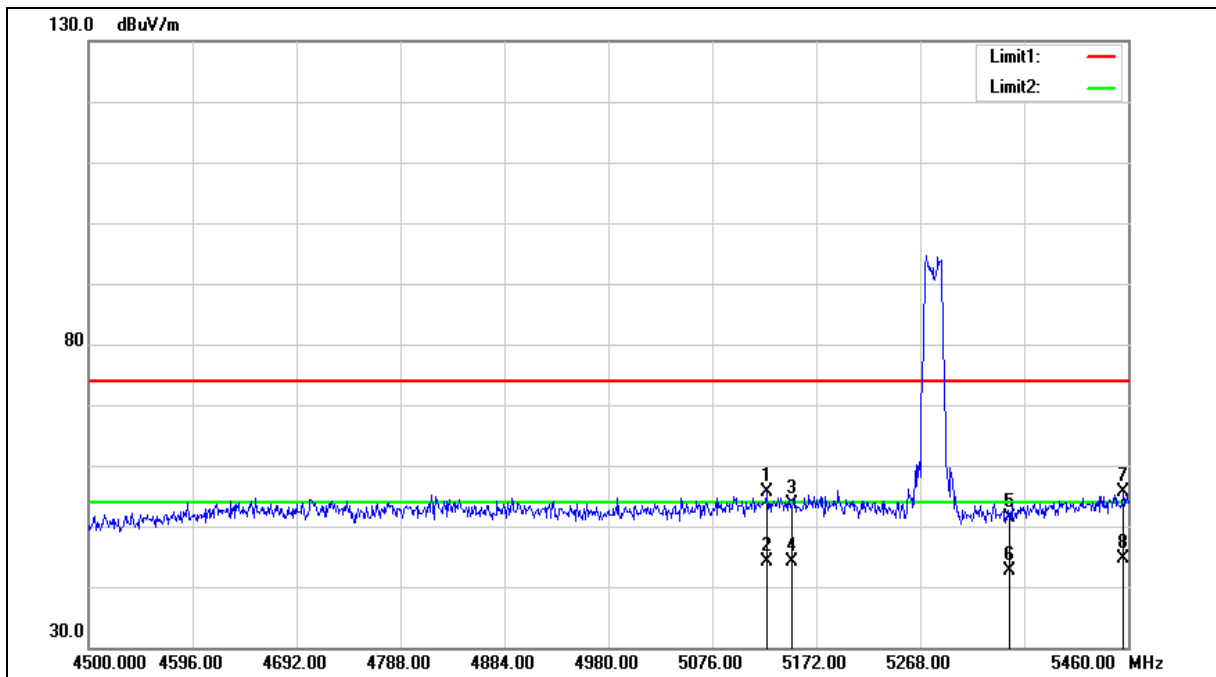
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5125.920	49.80	5.95	55.75	74.00	-18.25	peak
2	5125.920	38.07	5.95	44.02	54.00	-9.98	AVG
3	5150.000	47.69	5.99	53.68	74.00	-20.32	peak
4	5150.000	38.09	5.99	44.08	54.00	-9.92	AVG
5	5350.000	45.03	6.31	51.34	74.00	-22.66	peak
6	5350.000	36.40	6.31	42.71	54.00	-11.29	AVG
7	5455.200	49.04	6.49	55.53	74.00	-18.47	peak
8	5455.200	38.11	6.49	44.60	54.00	-9.40	AVG

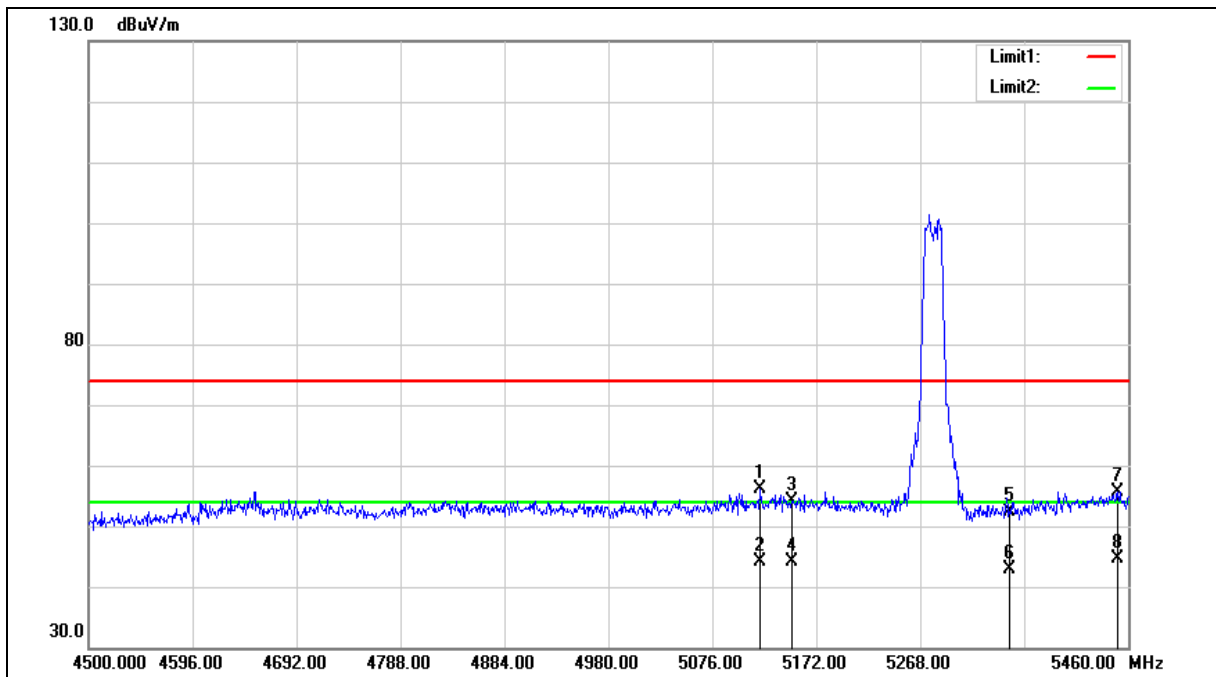
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5120.160	50.26	5.94	56.20	74.00	-17.80	peak
2	5120.160	38.14	5.94	44.08	54.00	-9.92	AVG
3	5150.000	48.17	5.99	54.16	74.00	-19.84	peak
4	5150.000	38.17	5.99	44.16	54.00	-9.84	AVG
5	5350.000	46.17	6.31	52.48	74.00	-21.52	peak
6	5350.000	36.65	6.31	42.96	54.00	-11.04	AVG
7	5450.400	49.27	6.48	55.75	74.00	-18.25	peak
8	5450.400	38.10	6.48	44.58	54.00	-9.42	AVG

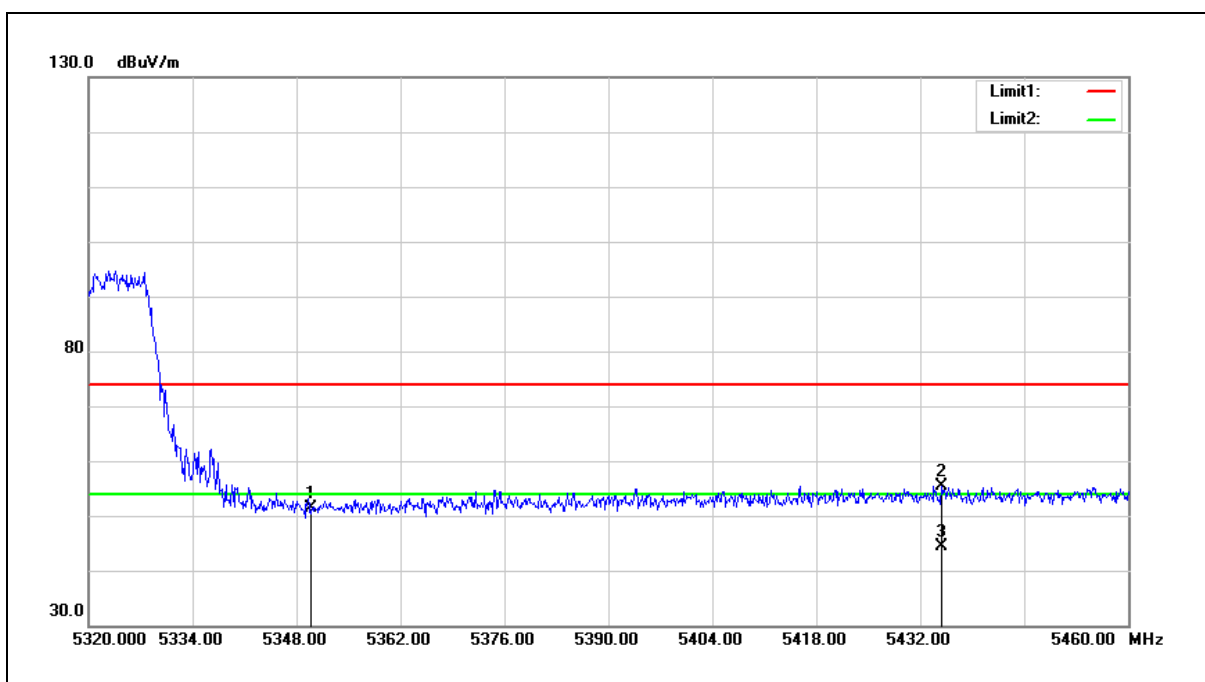
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



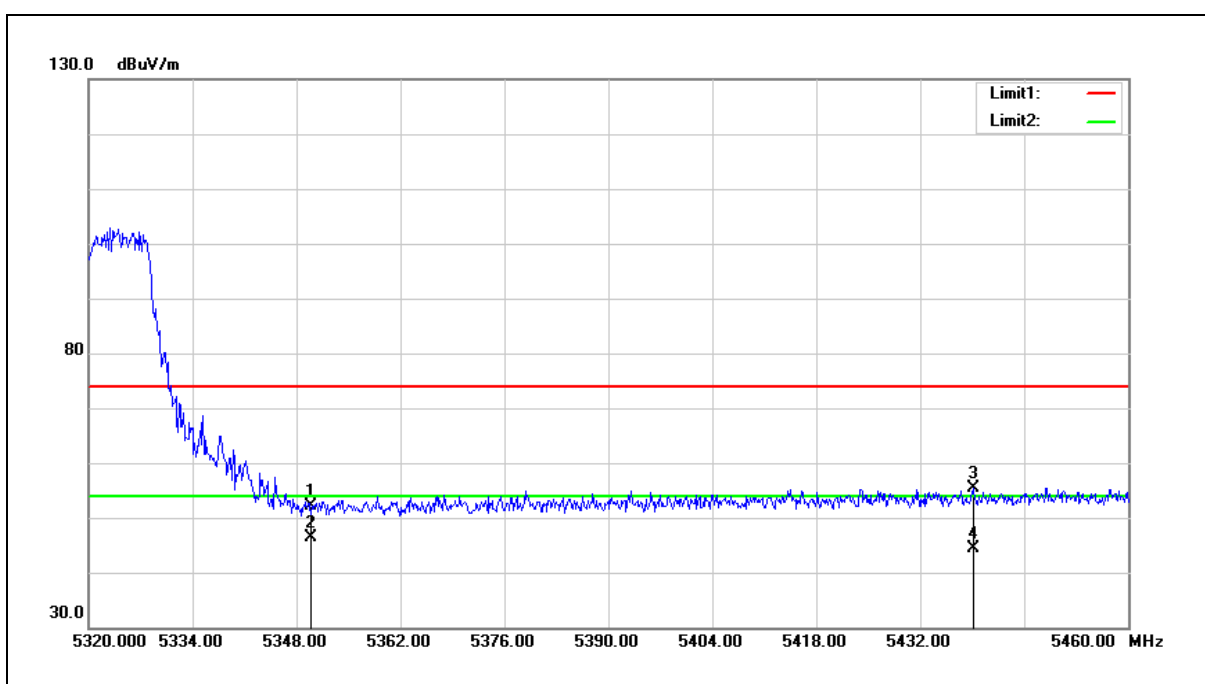
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	45.03	6.31	51.34	74.00	-22.66	peak
2	5434.940	48.91	6.45	55.36	74.00	-18.64	peak
3	5434.940	38.00	6.45	44.45	54.00	-9.55	AVG

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



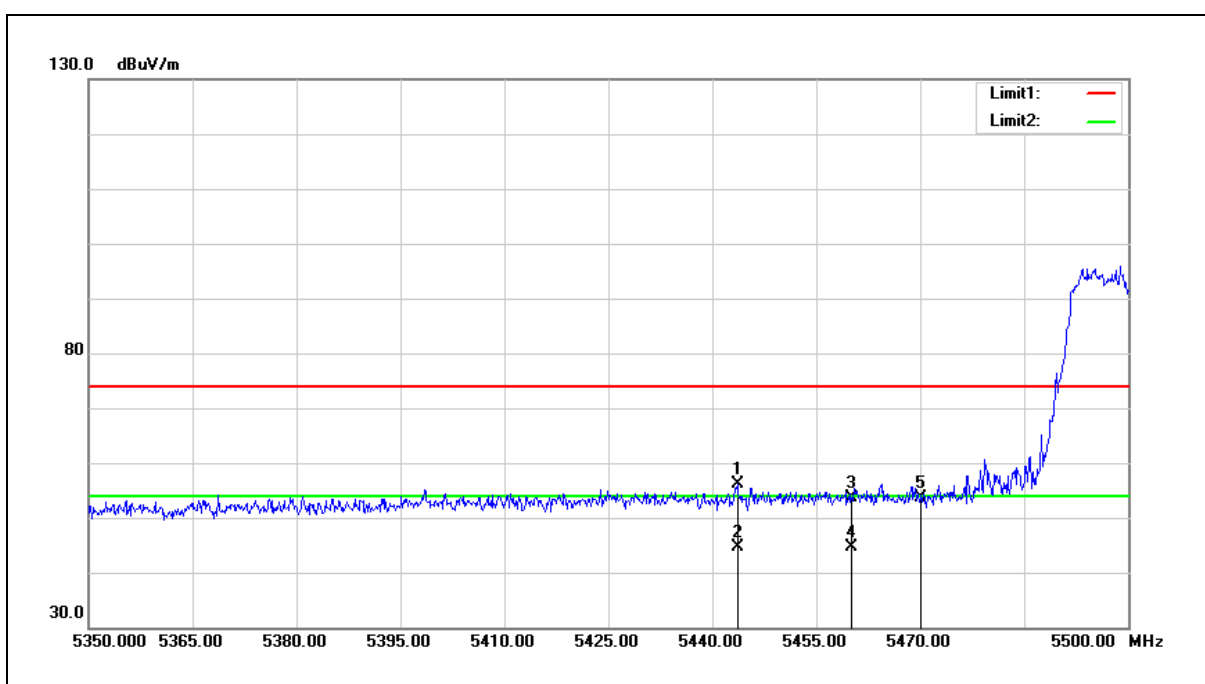
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	45.73	6.31	52.04	74.00	-21.96	peak
2	5350.000	40.07	6.31	46.38	54.00	-7.62	AVG
3	5439.140	49.01	6.47	55.48	74.00	-18.52	peak
4	5439.140	37.93	6.47	44.40	54.00	-9.60	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



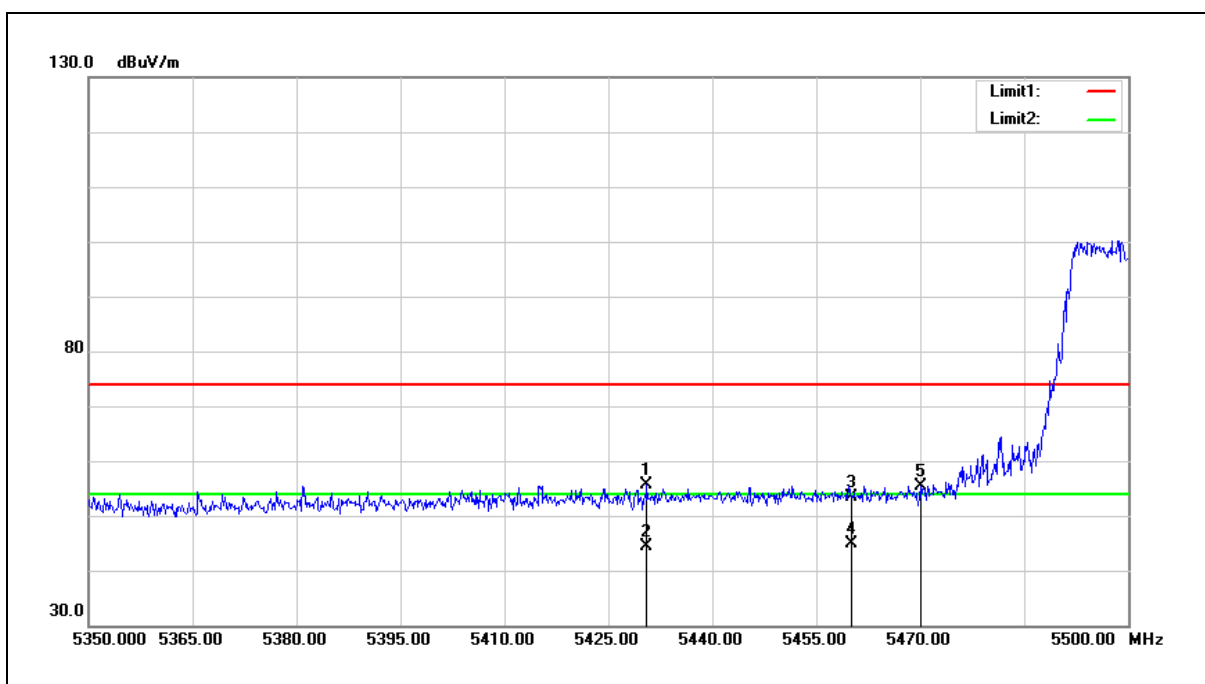
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5443.600	49.58	6.47	56.05	74.00	-17.95	peak
2	5443.600	38.08	6.47	44.55	54.00	-9.45	AVG
3	5460.000	47.07	6.49	53.56	74.00	-20.44	peak
4	5460.000	38.15	6.49	44.64	54.00	-9.36	AVG
5	5470.000	47.19	6.51	53.70	68.20	-14.50	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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



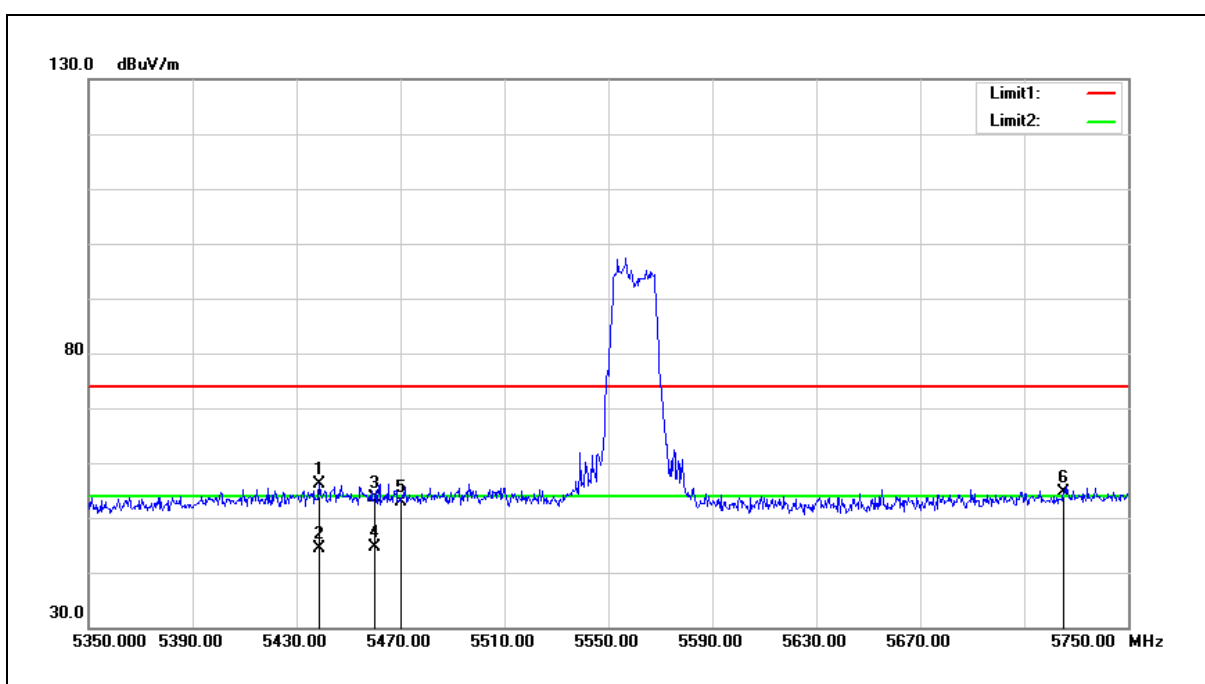
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5430.550	49.29	6.45	55.74	74.00	-18.26	peak
2	5430.550	37.85	6.45	44.30	54.00	-9.70	AVG
3	5460.000	46.95	6.49	53.44	74.00	-20.56	peak
4	5460.000	38.51	6.49	45.00	54.00	-9.00	AVG
5	5470.000	48.98	6.51	55.49	68.20	-12.71	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



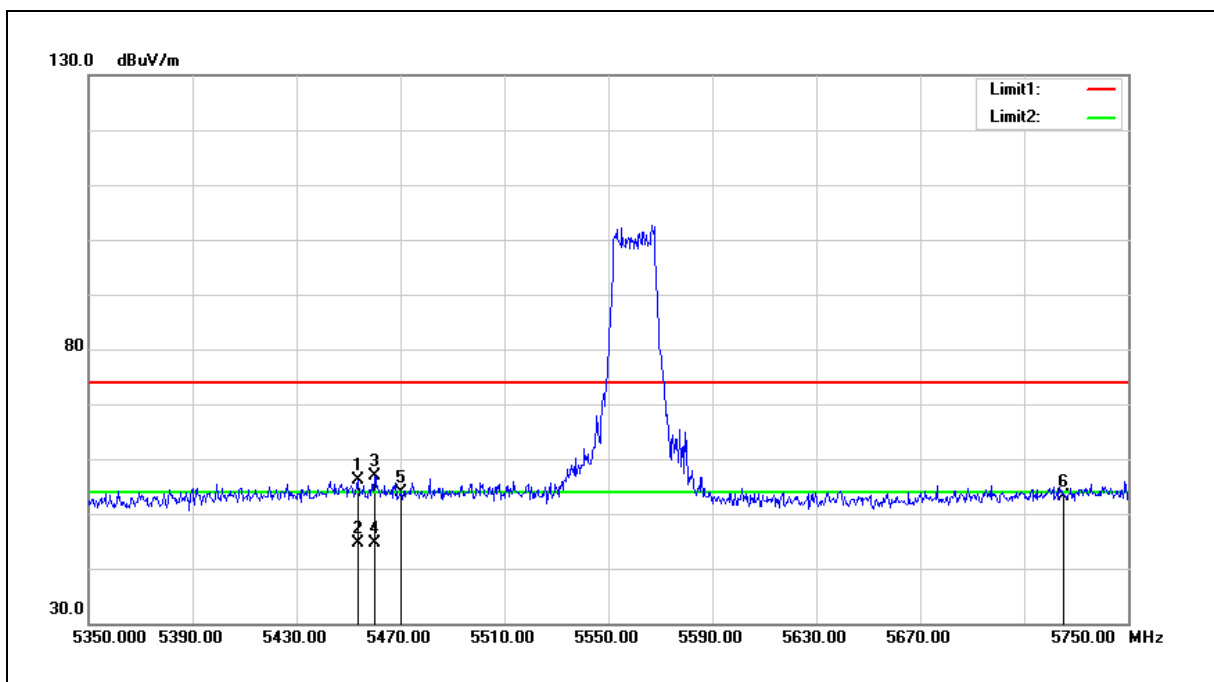
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5438.800	49.66	6.47	56.13	74.00	-17.87	peak
2	5438.800	37.89	6.47	44.36	54.00	-9.64	AVG
3	5460.000	47.24	6.49	53.73	74.00	-20.27	peak
4	5460.000	38.09	6.49	44.58	54.00	-9.42	AVG
5	5470.000	46.38	6.51	52.89	68.20	-15.31	peak
6	5725.000	47.60	6.98	54.58	68.20	-13.62	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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	49.74	6.49	56.23	74.00	-17.77	peak
2	5453.600	38.09	6.49	44.58	54.00	-9.42	AVG
3	5460.000	50.28	6.49	56.77	74.00	-17.23	peak
4	5460.000	38.11	6.49	44.60	54.00	-9.40	AVG
5	5470.000	47.43	6.51	53.94	68.20	-14.26	peak
6	5725.000	46.03	6.98	53.01	68.20	-15.19	peak

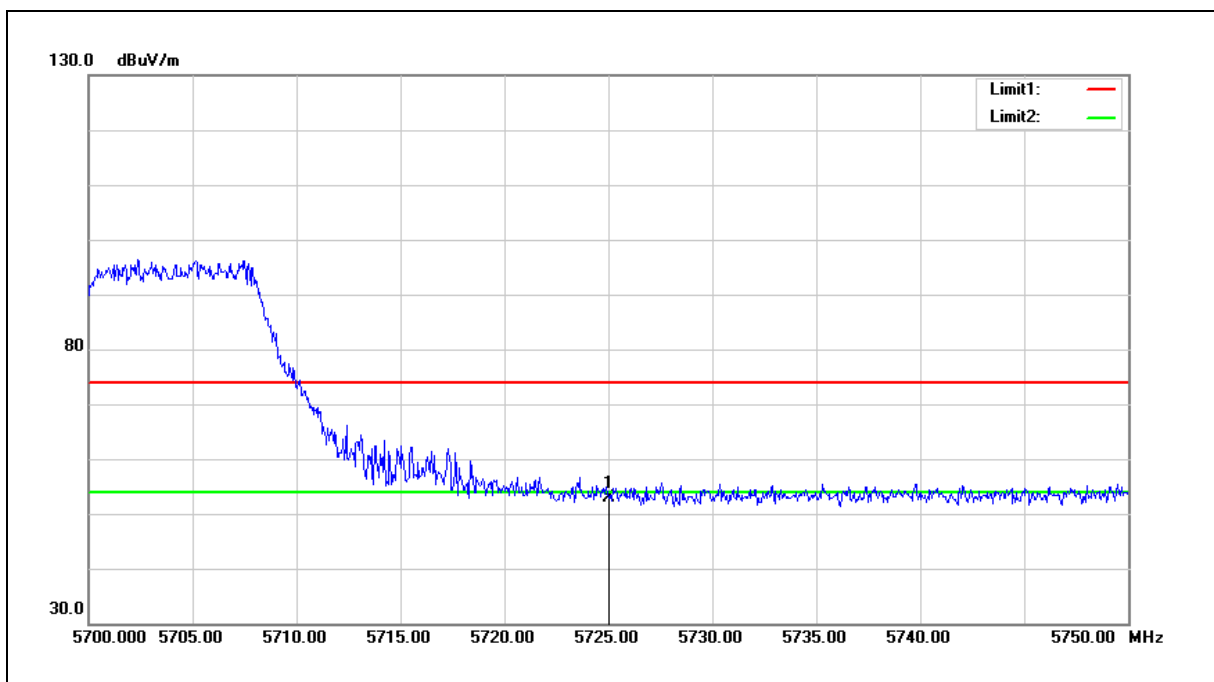
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



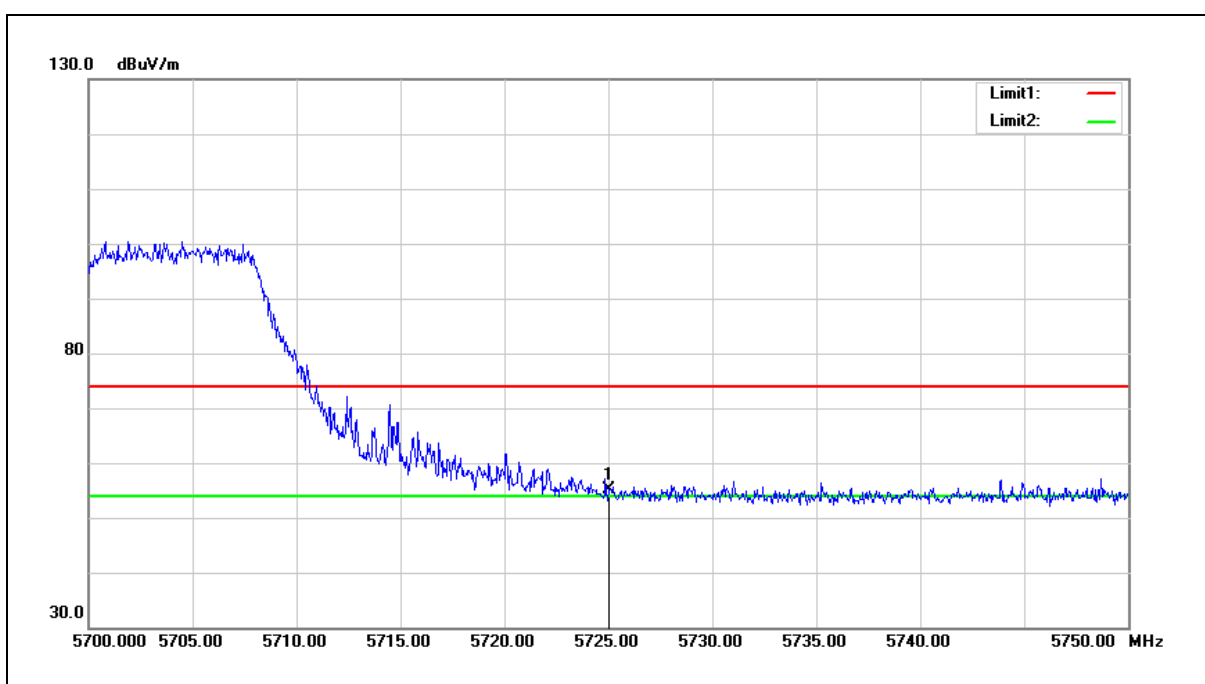
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	45.82	6.98	52.80	68.20	-15.40	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



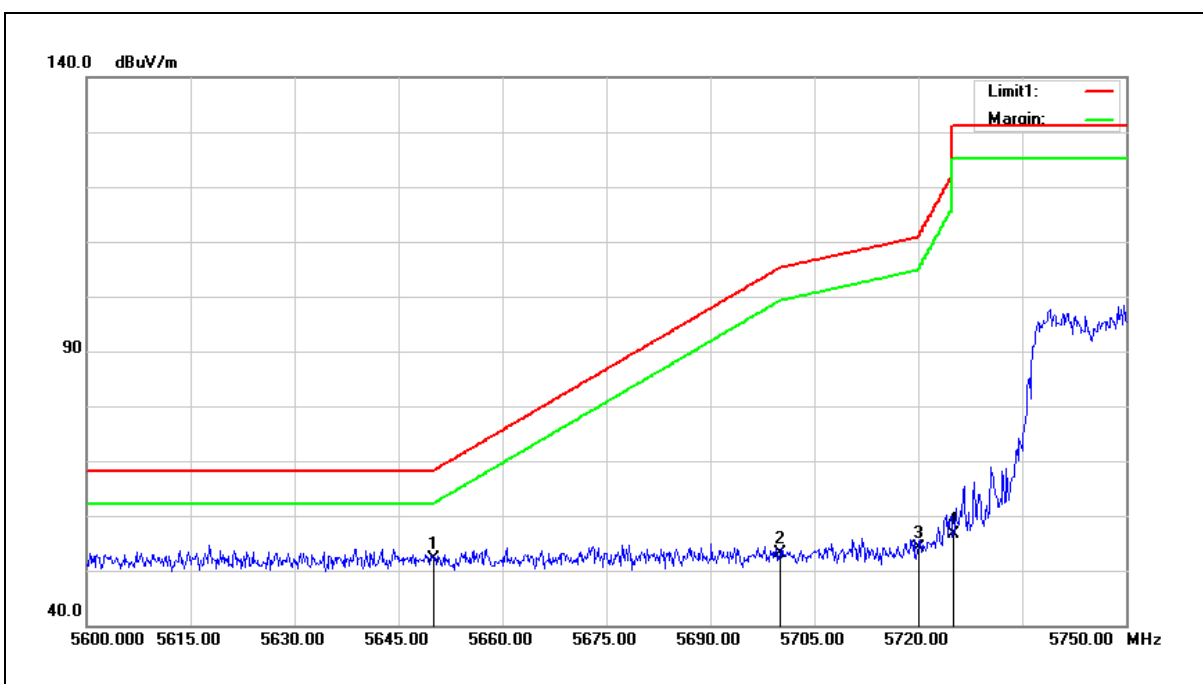
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	48.22	6.98	55.20	68.20	-13.00	peak

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

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

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

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



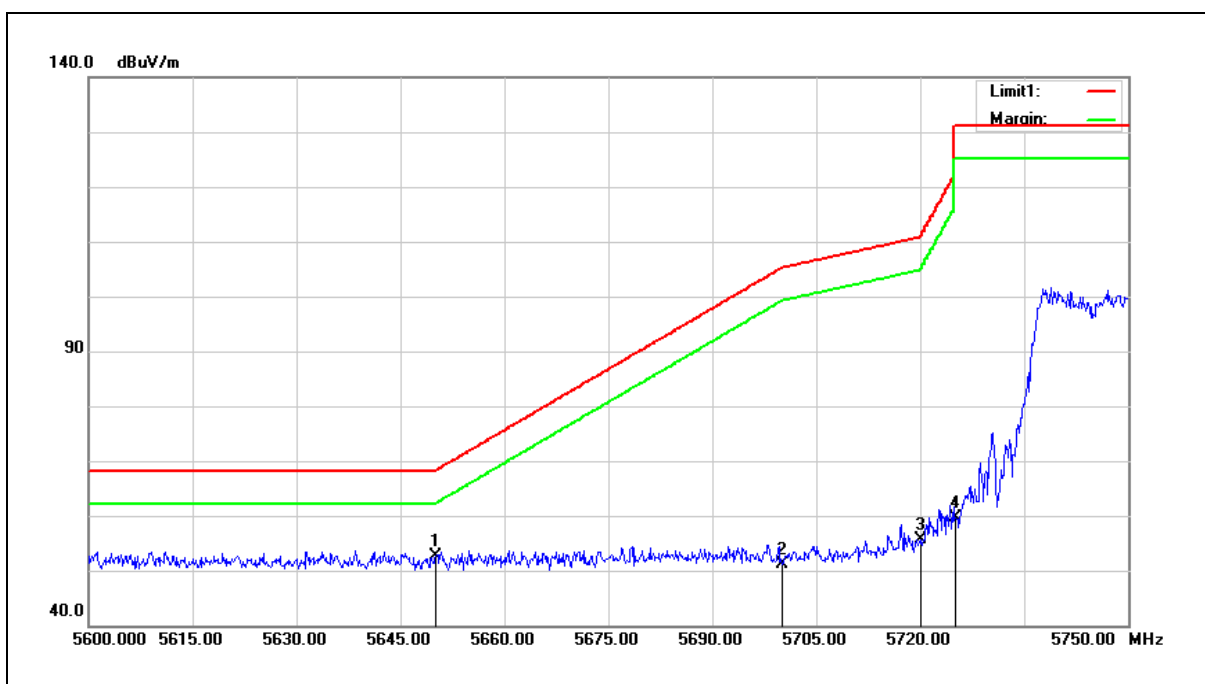
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	45.31	6.84	52.15	68.20	-16.05	peak
2	5700.000	46.21	6.93	53.14	105.20	-52.06	peak
3	5720.000	47.08	6.97	54.05	110.80	-56.75	peak
4	5725.000	49.68	6.98	56.66	122.20	-65.54	peak

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	45.84	6.84	52.68	68.20	-15.52	peak
2	5700.000	44.25	6.93	51.18	105.20	-54.02	peak
3	5720.000	48.63	6.97	55.60	110.80	-55.20	peak
4	5725.000	52.65	6.98	59.63	122.20	-62.57	peak

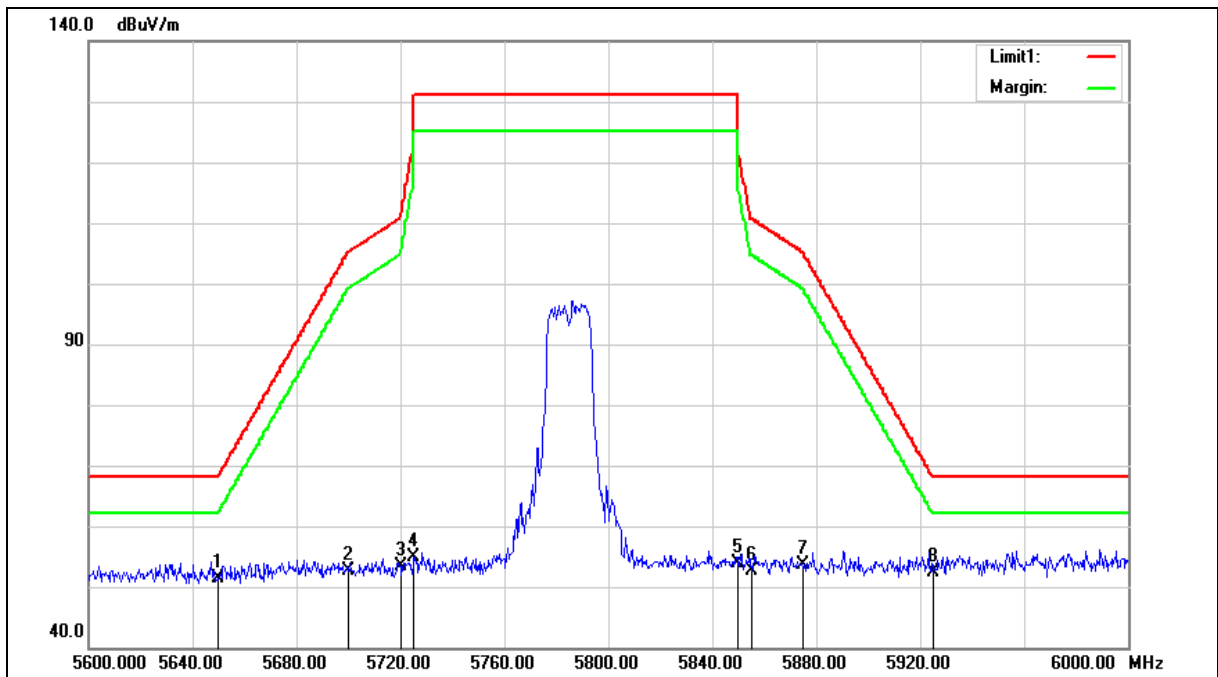
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	44.58	6.84	51.42	68.20	-16.78	peak
2	5700.000	45.63	6.93	52.56	105.20	-52.64	peak
3	5720.000	46.36	6.97	53.33	110.80	-57.47	peak
4	5725.000	47.98	6.98	54.96	122.20	-67.24	peak
5	5850.000	46.77	7.22	53.99	122.20	-68.21	peak
6	5855.000	45.36	7.23	52.59	110.80	-58.21	peak
7	5875.000	46.31	7.26	53.57	105.20	-51.63	peak
8	5925.000	45.02	7.36	52.38	68.20	-15.82	peak

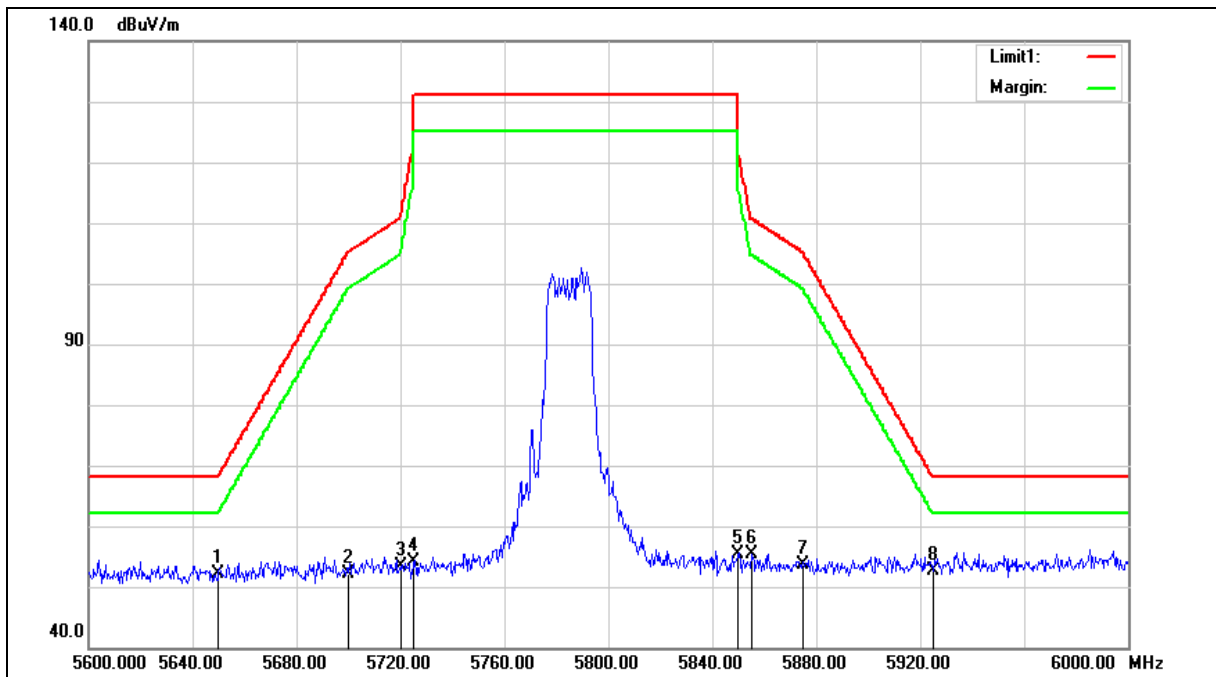
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





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

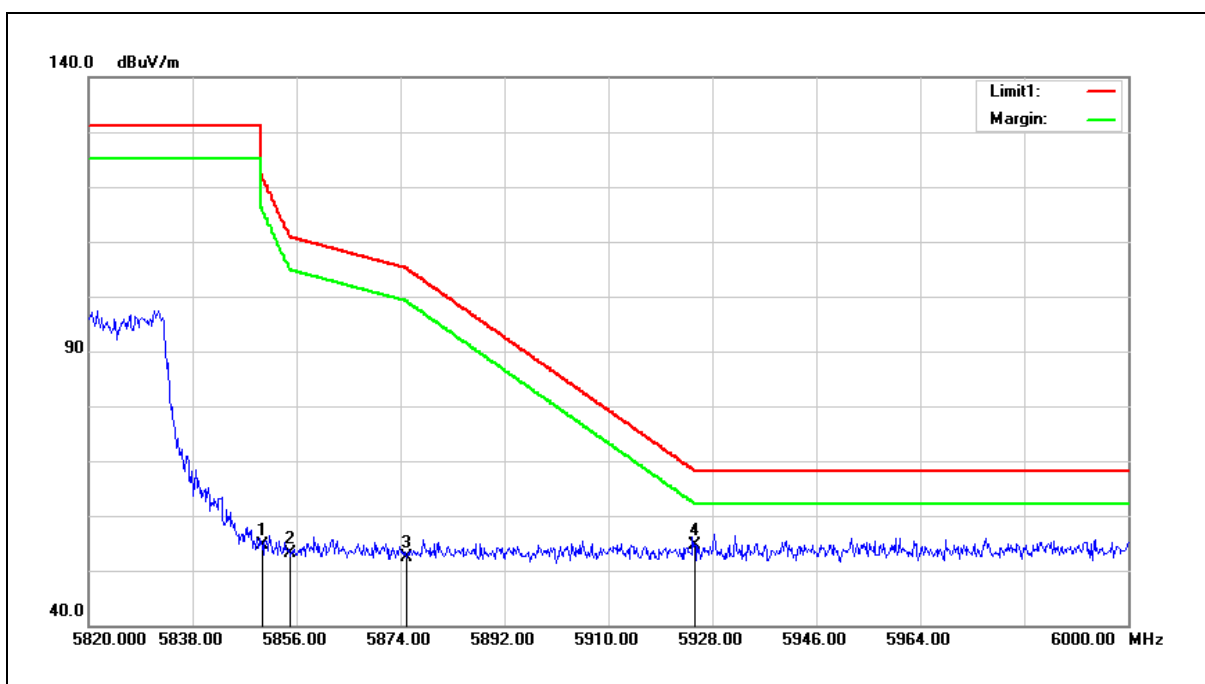
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	45.25	6.84	52.09	68.20	-16.11	peak
2	5700.000	45.32	6.93	52.25	105.20	-52.95	peak
3	5720.000	46.32	6.97	53.29	110.80	-57.51	peak
4	5725.000	47.18	6.98	54.16	122.20	-68.04	peak
5	5850.000	48.28	7.22	55.50	122.20	-66.70	peak
6	5855.000	48.16	7.23	55.39	110.80	-55.41	peak
7	5875.000	46.40	7.26	53.66	105.20	-51.54	peak
8	5925.000	45.26	7.36	52.62	68.20	-15.58	peak

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

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

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

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



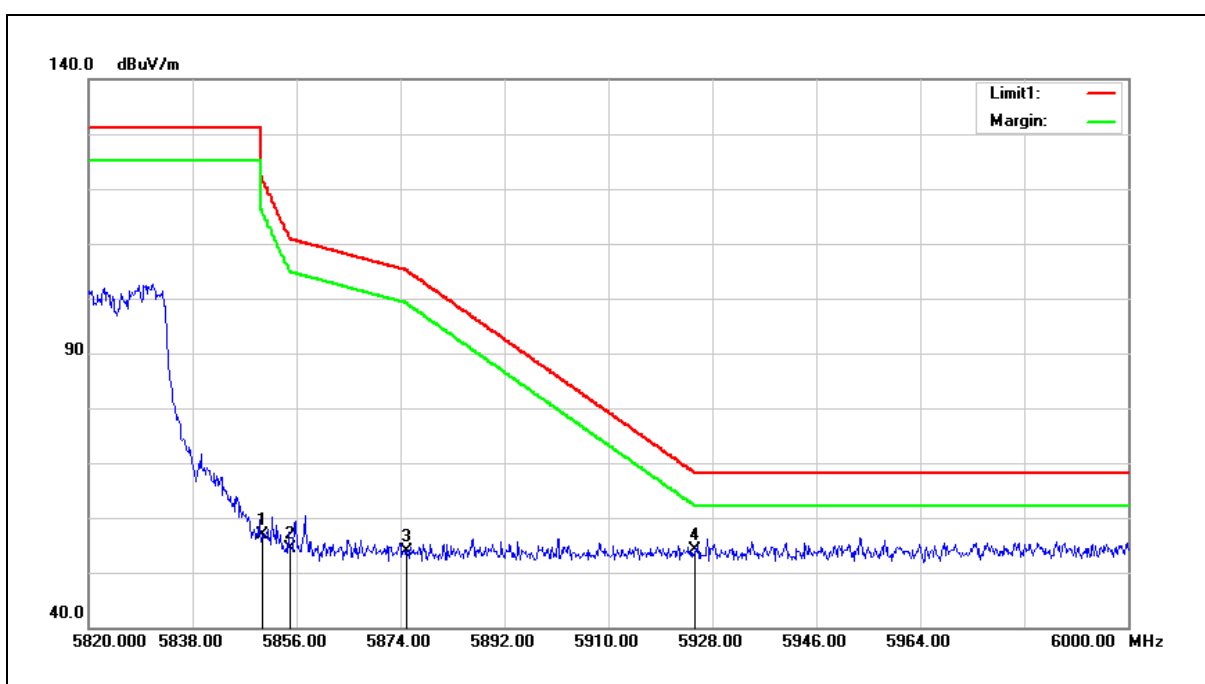
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	47.44	7.22	54.66	122.20	-67.54	peak
2	5855.000	45.83	7.23	53.06	110.80	-57.74	peak
3	5875.000	45.06	7.26	52.32	105.20	-52.88	peak
4	5925.000	47.27	7.36	54.63	68.20	-13.57	peak

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



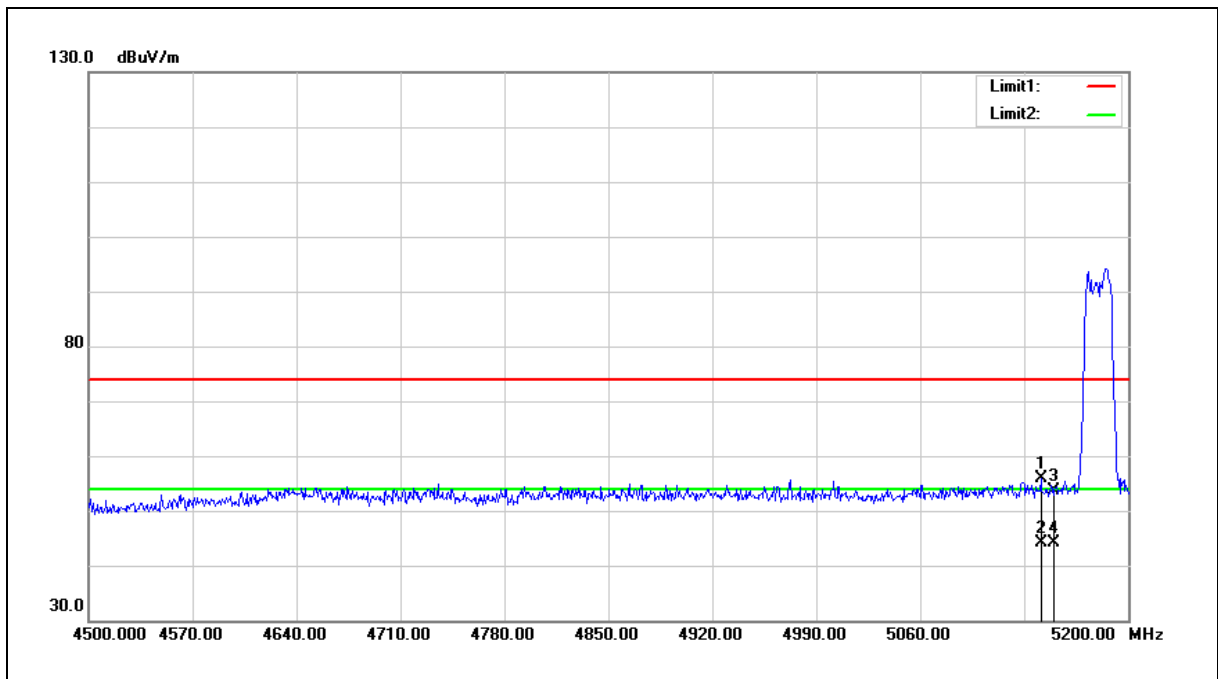
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	49.77	7.22	56.99	122.20	-65.21	peak
2	5855.000	47.09	7.23	54.32	110.80	-56.48	peak
3	5875.000	46.61	7.26	53.87	105.20	-51.33	peak
4	5925.000	46.74	7.36	54.10	68.20	-14.10	peak

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

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

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

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



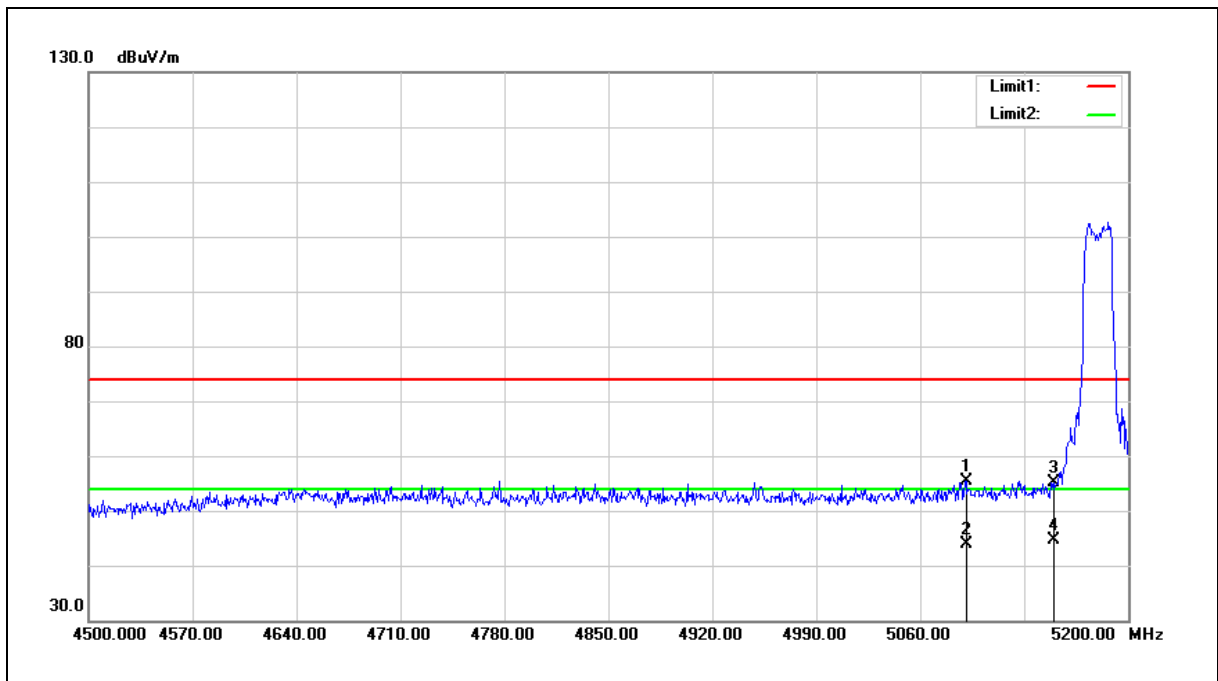
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.200	49.98	5.98	55.96	74.00	-18.04	peak
2	5141.200	38.15	5.98	44.13	54.00	-9.87	AVG
3	5150.000	47.68	5.99	53.67	74.00	-20.33	peak
4	5150.000	38.15	5.99	44.14	54.00	-9.86	AVG

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5090.800	49.48	5.90	55.38	74.00	-18.62	peak
2	5090.800	37.92	5.90	43.82	54.00	-10.18	AVG
3	5150.000	49.14	5.99	55.13	74.00	-18.87	peak
4	5150.000	38.54	5.99	44.53	54.00	-9.47	AVG

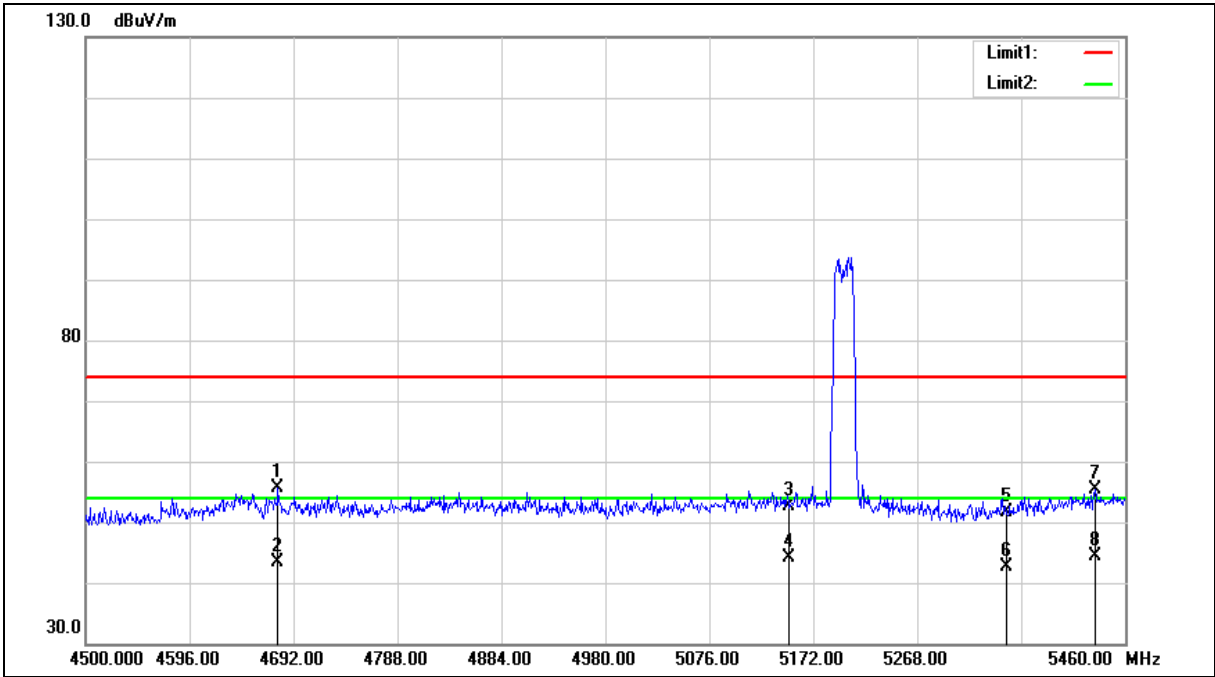
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4677.600	50.74	4.78	55.52	74.00	-18.48	peak
2	4677.600	38.56	4.78	43.34	54.00	-10.66	AVG
3	5150.000	46.68	5.99	52.67	74.00	-21.33	peak
4	5150.000	38.16	5.99	44.15	54.00	-9.85	AVG
5	5350.000	45.38	6.31	51.69	74.00	-22.31	peak
6	5350.000	36.34	6.31	42.65	54.00	-11.35	AVG
7	5432.160	49.01	6.45	55.46	74.00	-18.54	peak
8	5432.160	37.86	6.45	44.31	54.00	-9.69	AVG

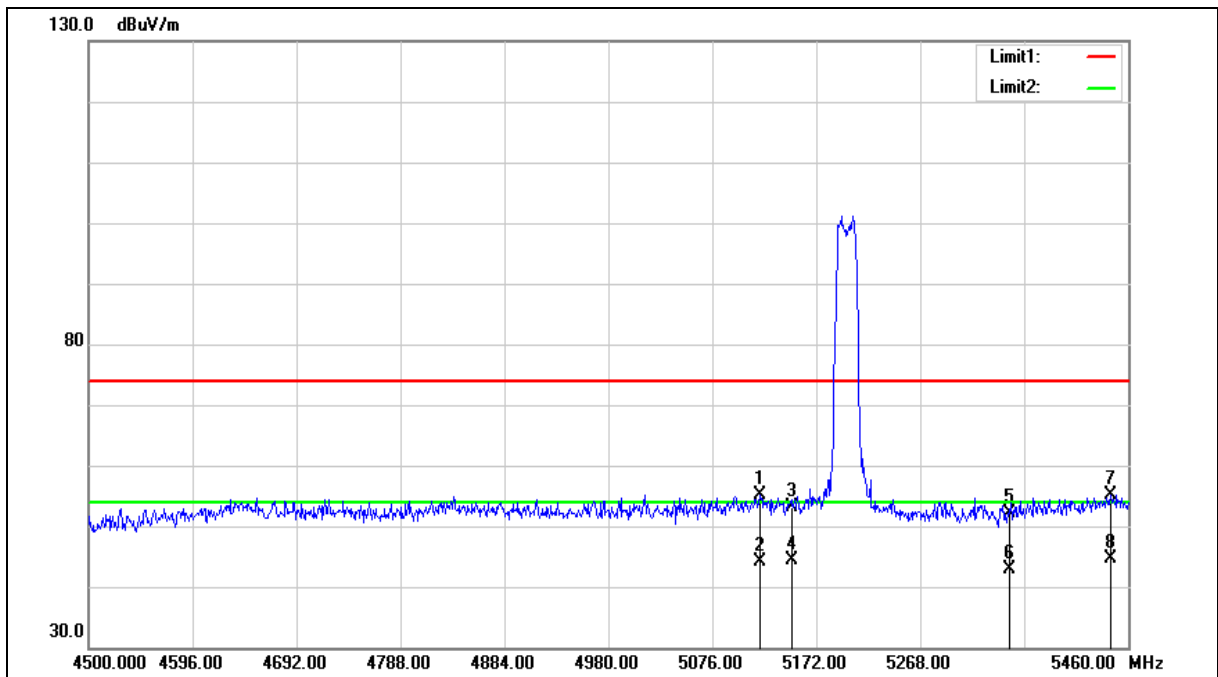
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5120.160	49.29	5.94	55.23	74.00	-18.77	peak
2	5120.160	38.09	5.94	44.03	54.00	-9.97	AVG
3	5150.000	47.26	5.99	53.25	74.00	-20.75	peak
4	5150.000	38.27	5.99	44.26	54.00	-9.74	AVG
5	5350.000	45.78	6.31	52.09	74.00	-21.91	peak
6	5350.000	36.53	6.31	42.84	54.00	-11.16	AVG
7	5443.680	48.74	6.47	55.21	74.00	-18.79	peak
8	5443.680	38.06	6.47	44.53	54.00	-9.47	AVG

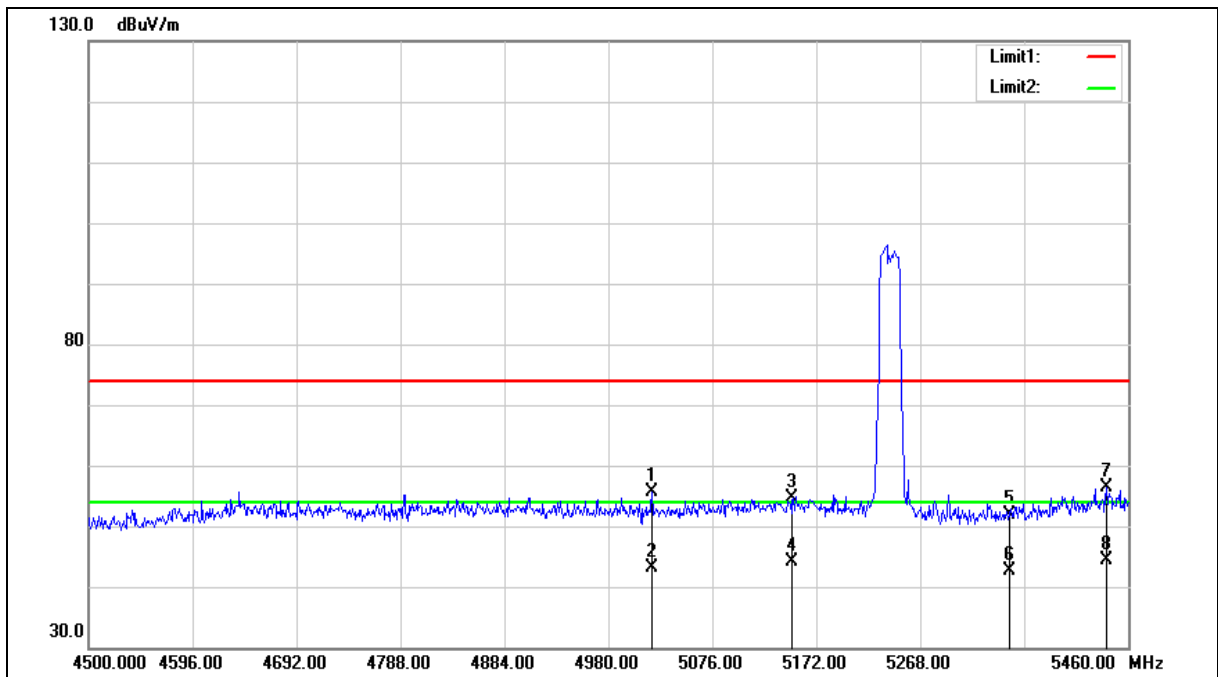
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5020.320	49.89	5.77	55.66	74.00	-18.34	peak
2	5020.320	37.30	5.77	43.07	54.00	-10.93	AVG
3	5150.000	48.70	5.99	54.69	74.00	-19.31	peak
4	5150.000	38.08	5.99	44.07	54.00	-9.93	AVG
5	5350.000	45.69	6.31	52.00	74.00	-22.00	peak
6	5350.000	36.39	6.31	42.70	54.00	-11.30	AVG
7	5439.840	49.88	6.47	56.35	74.00	-17.65	peak
8	5439.840	37.96	6.47	44.43	54.00	-9.57	AVG

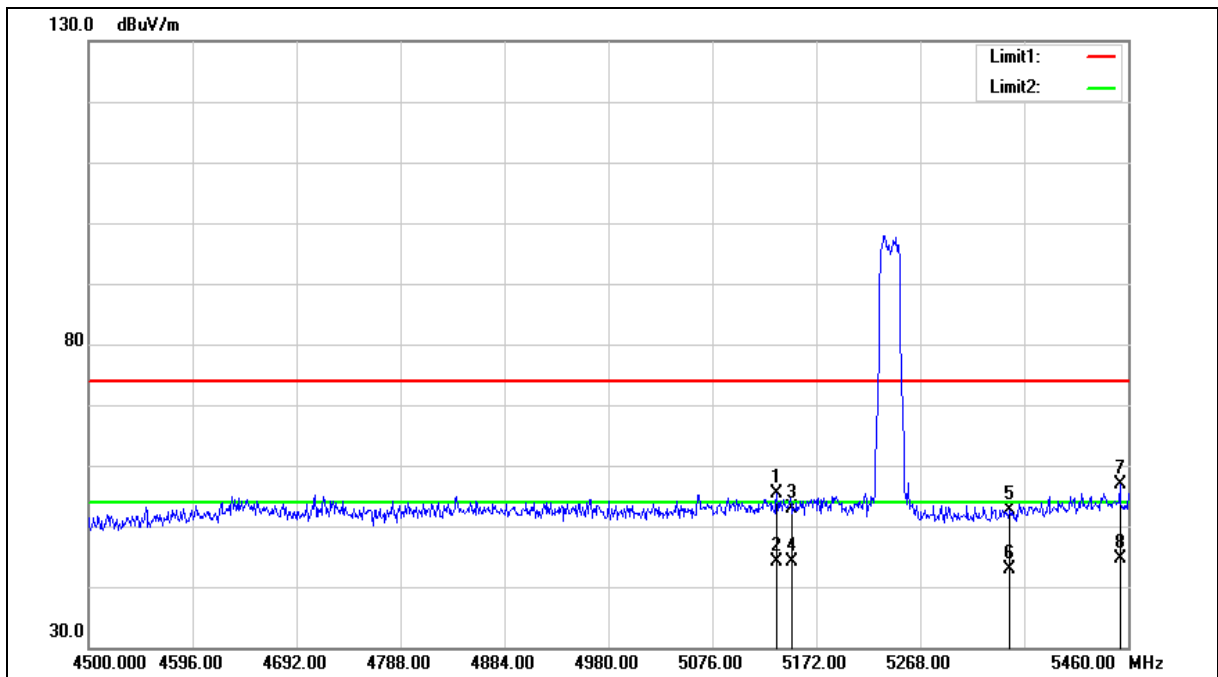
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5135.520	49.35	5.96	55.31	74.00	-18.69	peak
2	5135.520	38.20	5.96	44.16	54.00	-9.84	AVG
3	5150.000	46.85	5.99	52.84	74.00	-21.16	peak
4	5150.000	38.16	5.99	44.15	54.00	-9.85	AVG
5	5350.000	46.22	6.31	52.53	74.00	-21.47	peak
6	5350.000	36.55	6.31	42.86	54.00	-11.14	AVG
7	5452.320	50.37	6.48	56.85	74.00	-17.15	peak
8	5452.320	38.14	6.48	44.62	54.00	-9.38	AVG

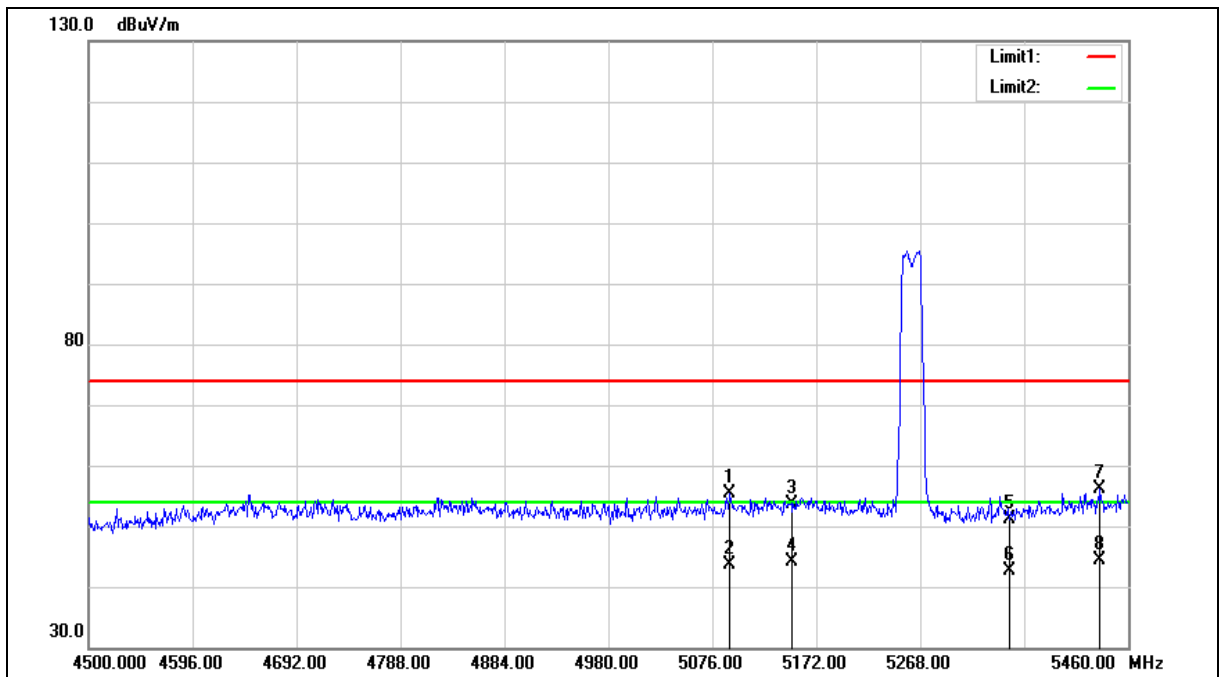
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5092.320	49.47	5.90	55.37	74.00	-18.63	peak
2	5092.320	37.82	5.90	43.72	54.00	-10.28	AVG
3	5150.000	47.65	5.99	53.64	74.00	-20.36	peak
4	5150.000	38.06	5.99	44.05	54.00	-9.95	AVG
5	5350.000	44.85	6.31	51.16	74.00	-22.84	peak
6	5350.000	36.35	6.31	42.66	54.00	-11.34	AVG
7	5434.080	49.61	6.45	56.06	74.00	-17.94	peak
8	5434.080	37.88	6.45	44.33	54.00	-9.67	AVG

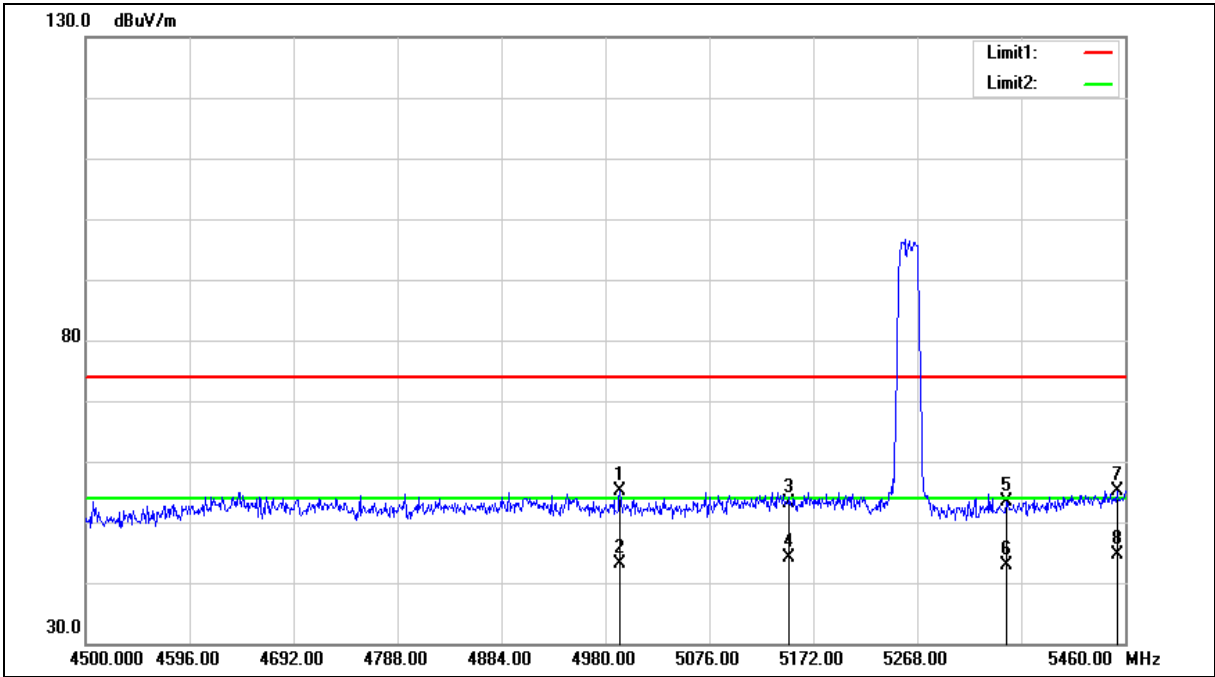
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4993.440	49.52	5.72	55.24	74.00	-18.76	peak
2	4993.440	37.43	5.72	43.15	54.00	-10.85	AVG
3	5150.000	47.12	5.99	53.11	74.00	-20.89	peak
4	5150.000	38.13	5.99	44.12	54.00	-9.88	AVG
5	5350.000	47.03	6.31	53.34	74.00	-20.66	peak
6	5350.000	36.58	6.31	42.89	54.00	-11.11	AVG
7	5452.320	48.68	6.48	55.16	74.00	-18.84	peak
8	5452.320	38.11	6.48	44.59	54.00	-9.41	AVG

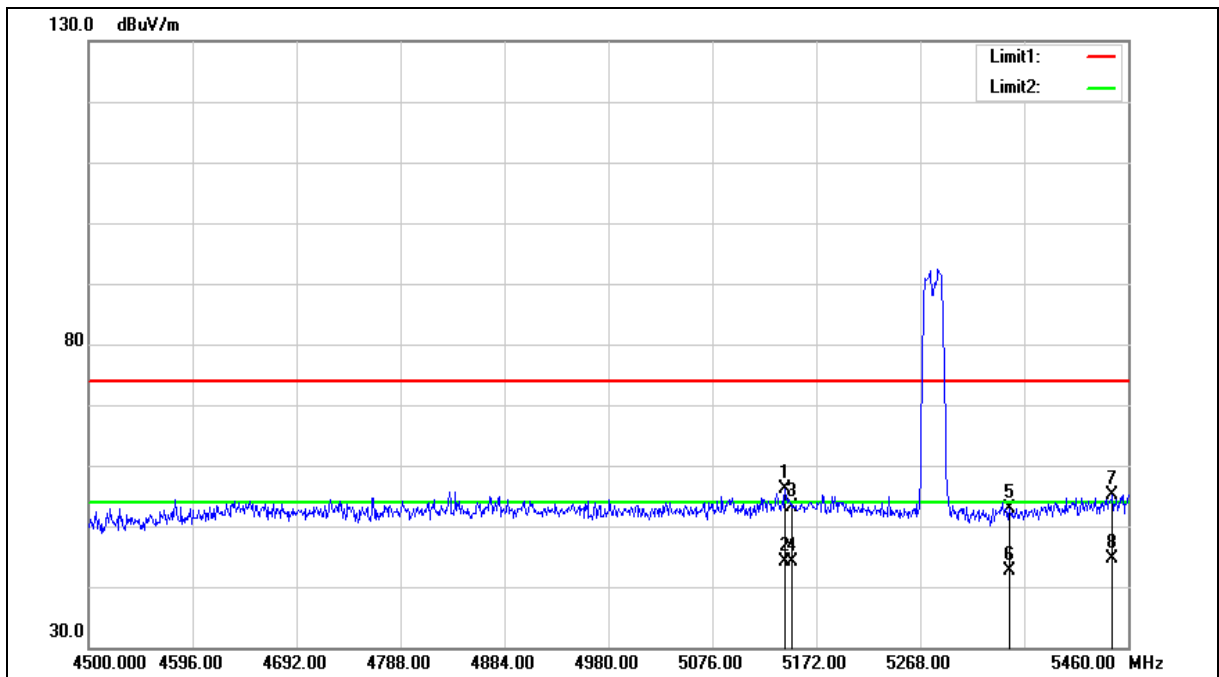
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.200	50.17	5.98	56.15	74.00	-17.85	peak
2	5143.200	38.11	5.98	44.09	54.00	-9.91	AVG
3	5150.000	47.25	5.99	53.24	74.00	-20.76	peak
4	5150.000	38.08	5.99	44.07	54.00	-9.93	AVG
5	5350.000	46.64	6.31	52.95	74.00	-21.05	peak
6	5350.000	36.37	6.31	42.68	54.00	-11.32	AVG
7	5445.600	48.69	6.48	55.17	74.00	-18.83	peak
8	5445.600	38.09	6.48	44.57	54.00	-9.43	AVG

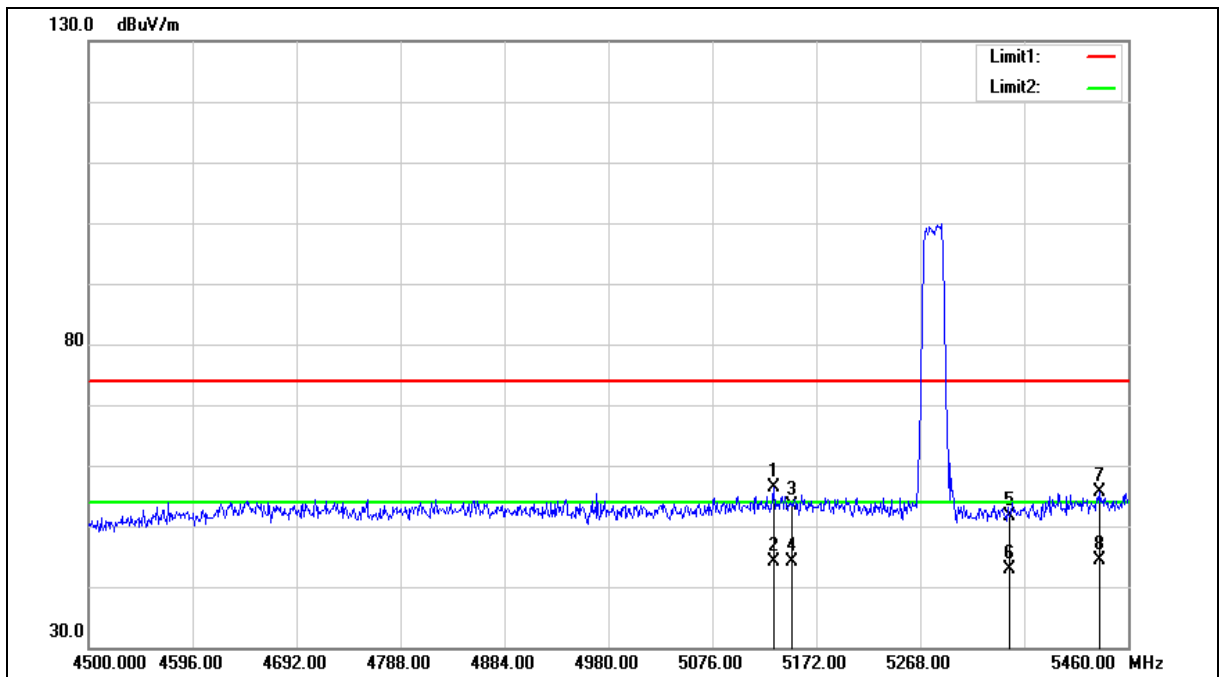
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

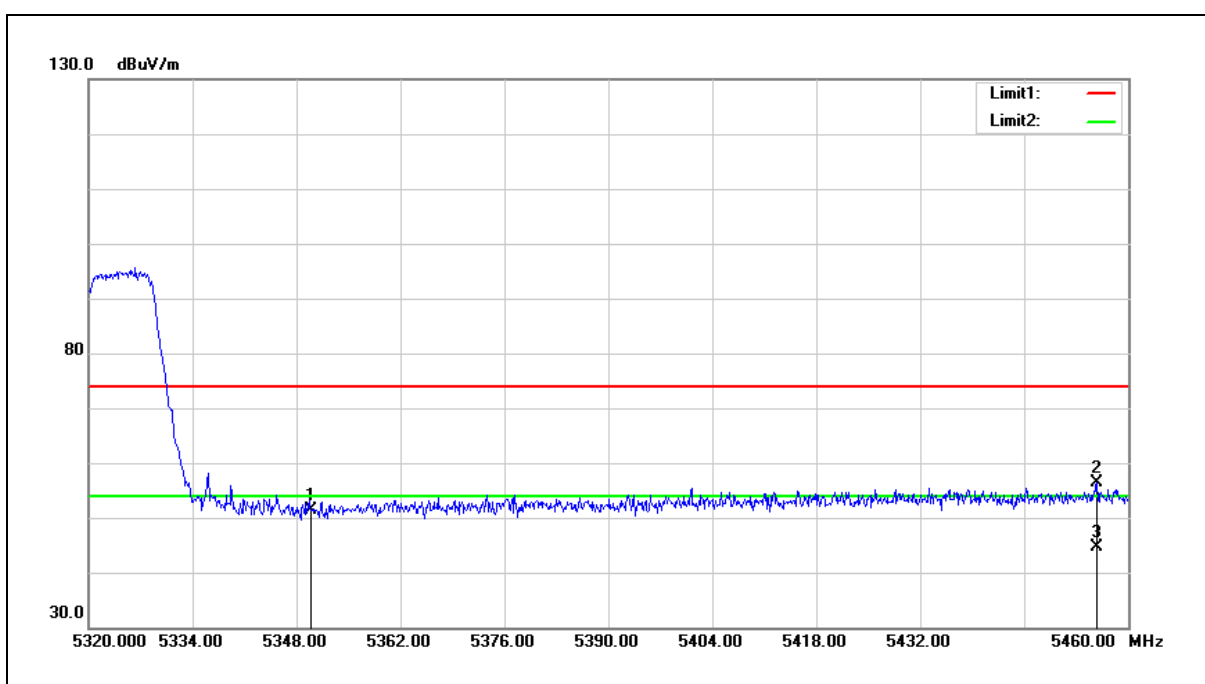
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5132.640	50.51	5.96	56.47	74.00	-17.53	peak
2	5132.640	38.14	5.96	44.10	54.00	-9.90	AVG
3	5150.000	47.27	5.99	53.26	74.00	-20.74	peak
4	5150.000	38.12	5.99	44.11	54.00	-9.89	AVG
5	5350.000	45.29	6.31	51.60	74.00	-22.40	peak
6	5350.000	36.64	6.31	42.95	54.00	-11.05	AVG
7	5434.080	49.10	6.45	55.55	74.00	-18.45	peak
8	5434.080	37.94	6.45	44.39	54.00	-9.61	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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



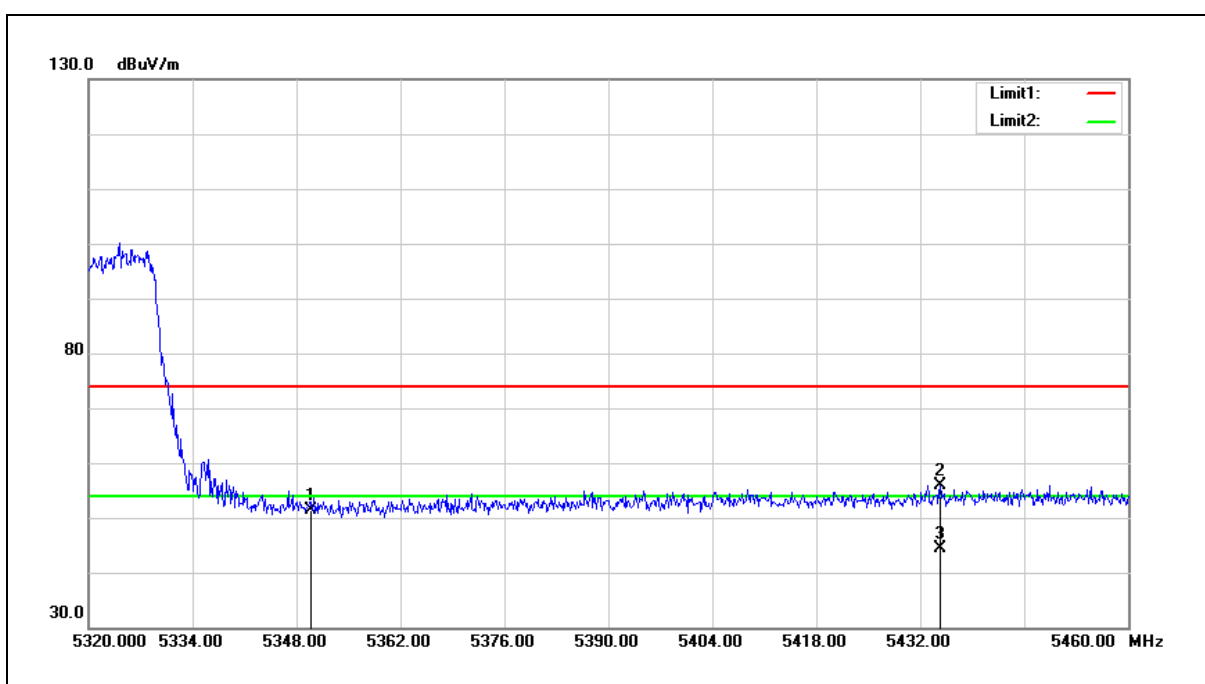
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	45.05	6.31	51.36	74.00	-22.64	peak
2	5455.800	49.93	6.49	56.42	74.00	-17.58	peak
3	5455.800	38.14	6.49	44.63	54.00	-9.37	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



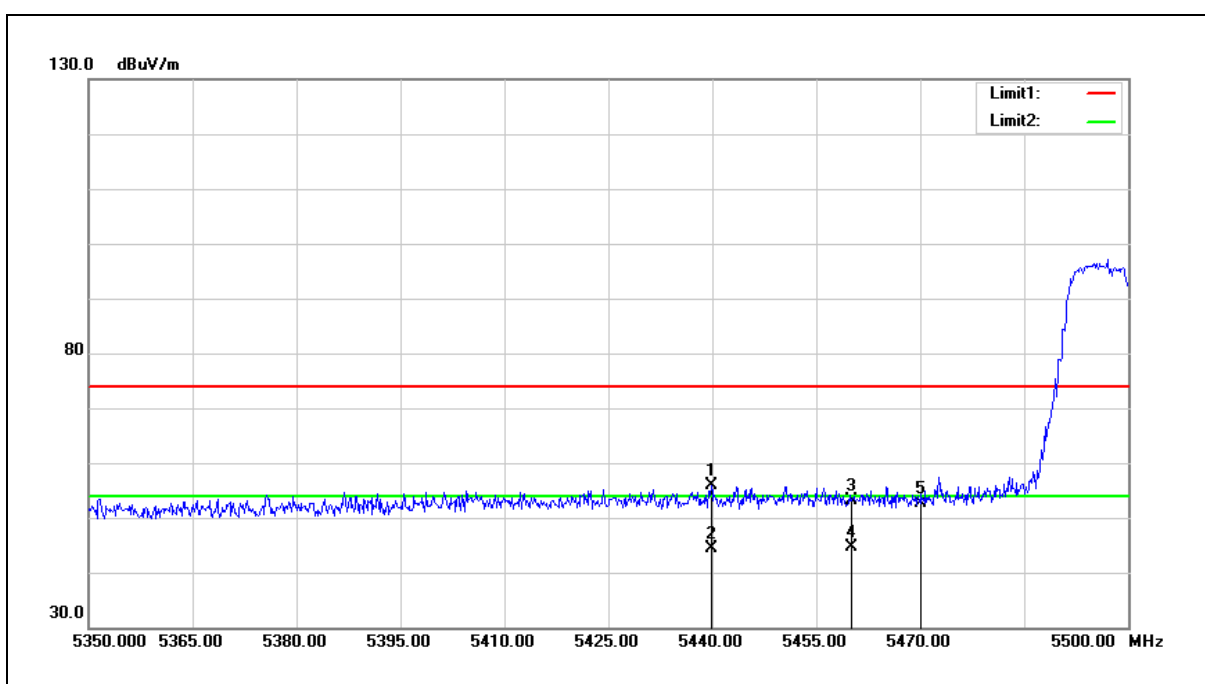
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	44.98	6.31	51.29	74.00	-22.71	peak
2	5434.660	49.50	6.45	55.95	74.00	-18.05	peak
3	5434.660	38.02	6.45	44.47	54.00	-9.53	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



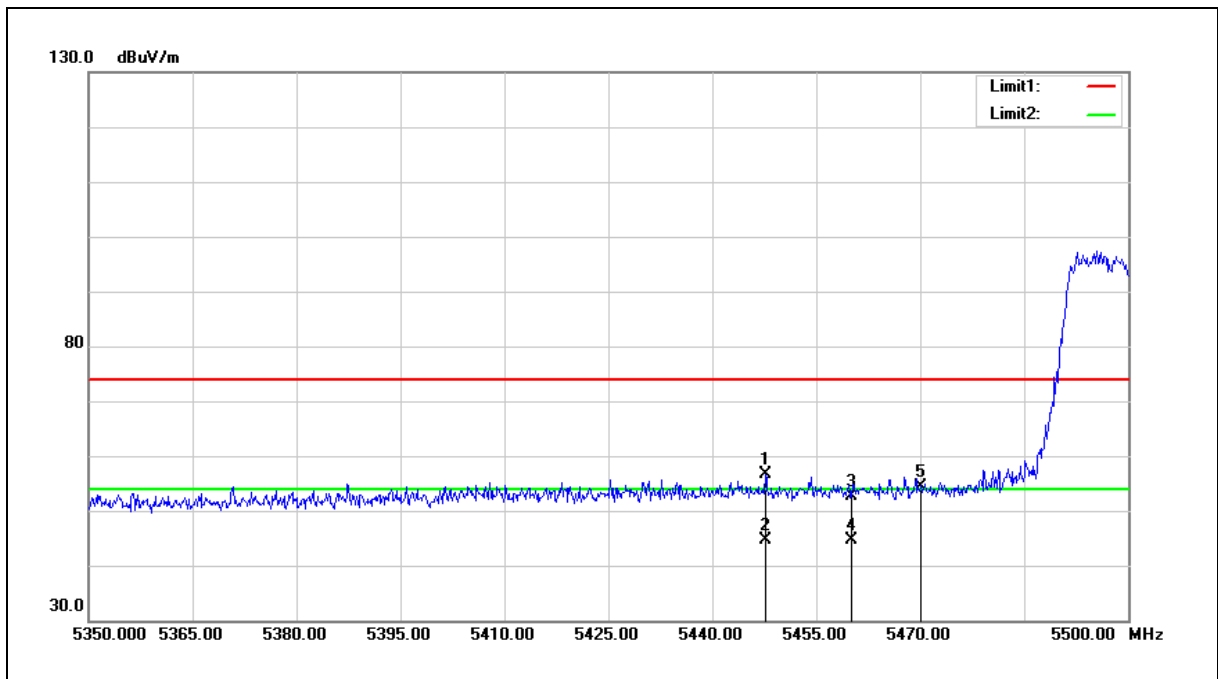
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5439.850	49.40	6.47	55.87	74.00	-18.13	peak
2	5439.850	37.97	6.47	44.44	54.00	-9.56	AVG
3	5460.000	46.72	6.49	53.21	74.00	-20.79	peak
4	5460.000	38.18	6.49	44.67	54.00	-9.33	AVG
5	5470.000	46.15	6.51	52.66	68.20	-15.54	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



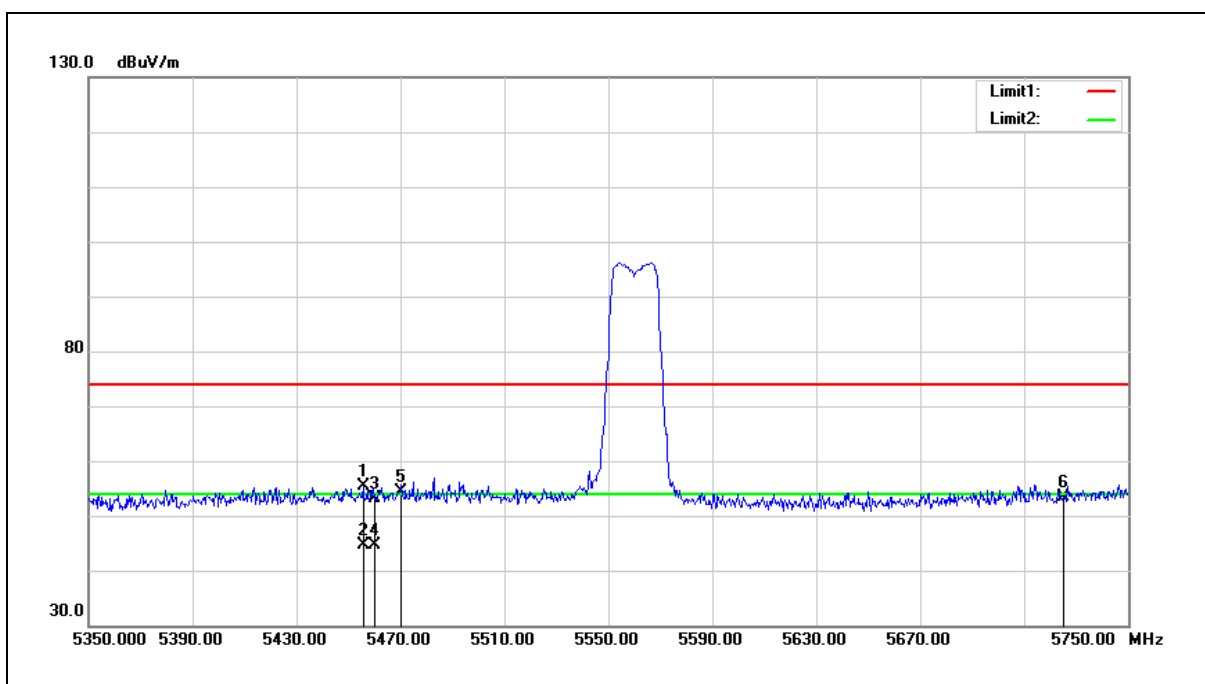
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.650	50.22	6.48	56.70	74.00	-17.30	peak
2	5447.650	38.18	6.48	44.66	54.00	-9.34	AVG
3	5460.000	46.24	6.49	52.73	74.00	-21.27	peak
4	5460.000	38.22	6.49	44.71	54.00	-9.29	AVG
5	5470.000	47.77	6.51	54.28	68.20	-13.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



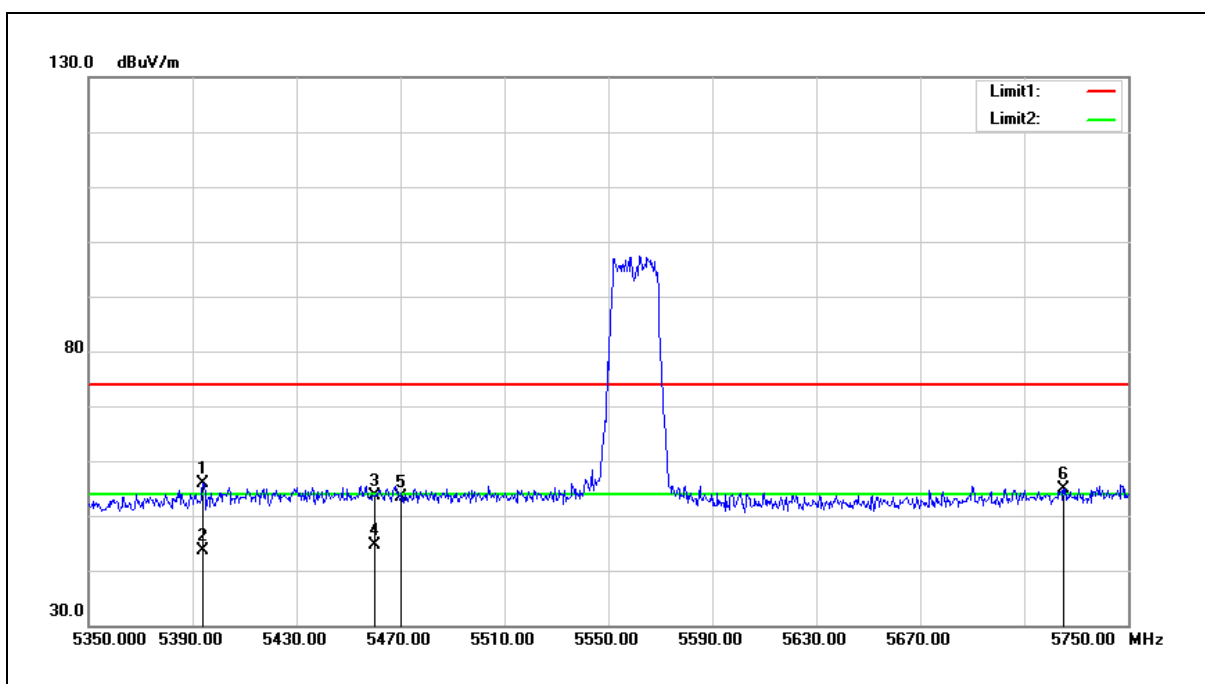
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5455.600	48.85	6.49	55.34	74.00	-18.66	peak
2	5455.600	38.12	6.49	44.61	54.00	-9.39	AVG
3	5460.000	46.65	6.49	53.14	74.00	-20.86	peak
4	5460.000	38.14	6.49	44.63	54.00	-9.37	AVG
5	5470.000	47.79	6.51	54.30	68.20	-13.90	peak
6	5725.000	46.33	6.98	53.31	68.20	-14.89	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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



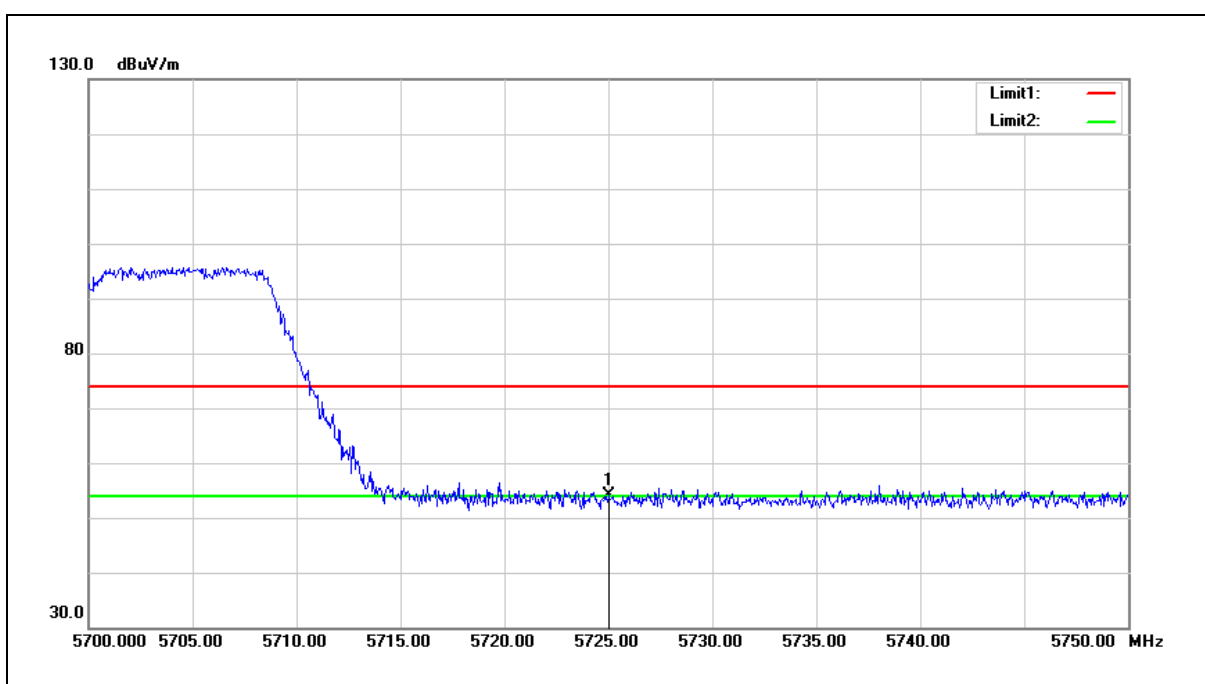
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5394.000	49.55	6.38	55.93	74.00	-18.07	peak
2	5394.000	37.15	6.38	43.53	54.00	-10.47	AVG
3	5460.000	47.15	6.49	53.64	74.00	-20.36	peak
4	5460.000	38.18	6.49	44.67	54.00	-9.33	AVG
5	5470.000	46.75	6.51	53.26	68.20	-14.94	peak
6	5725.000	47.85	6.98	54.83	68.20	-13.37	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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



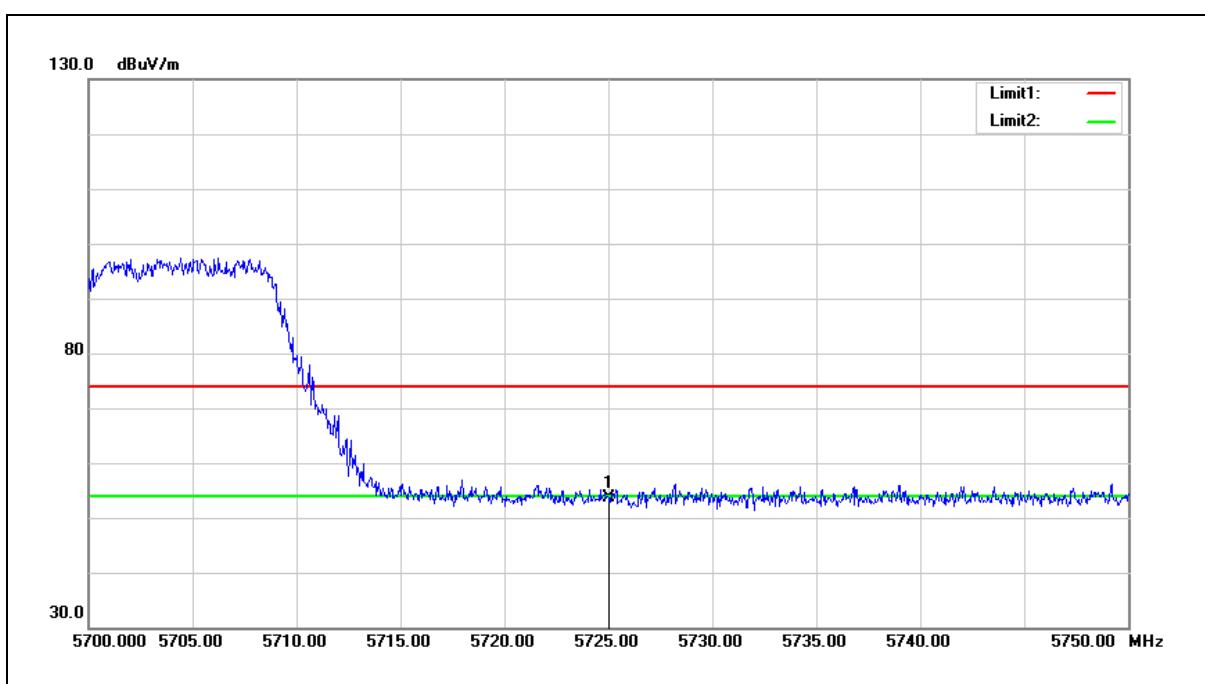
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	47.12	6.98	54.10	68.20	-14.10	peak

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:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



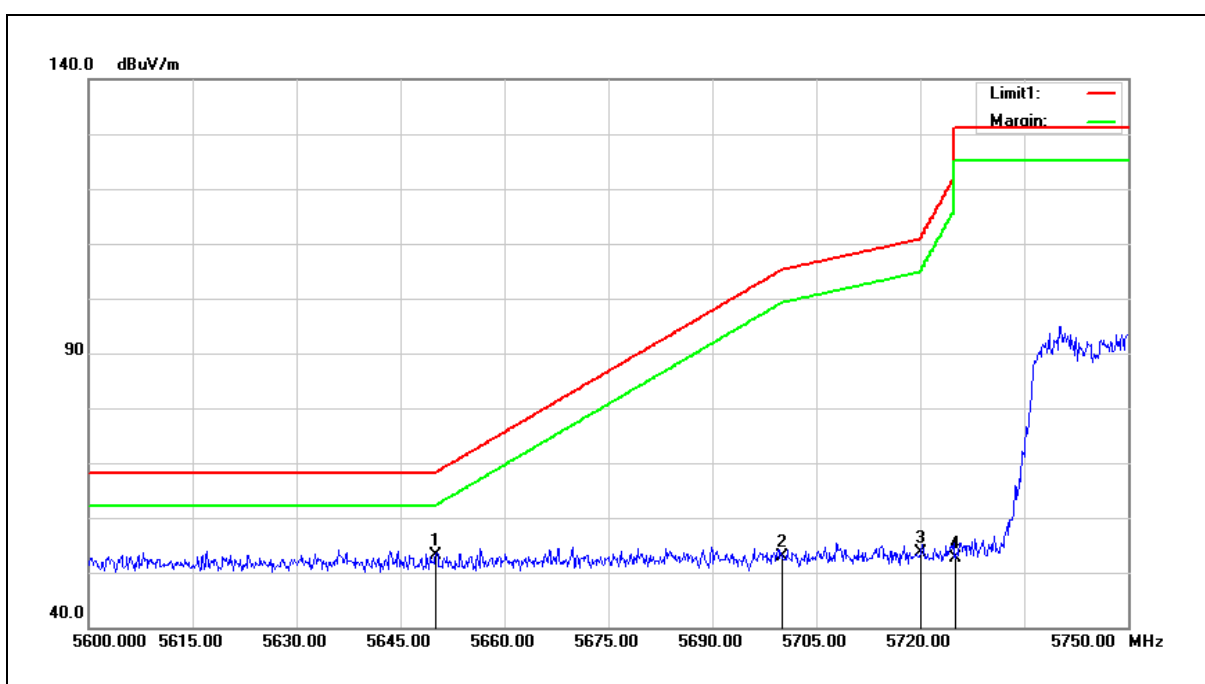
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	46.61	6.98	53.59	68.20	-14.61	peak

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

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

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

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



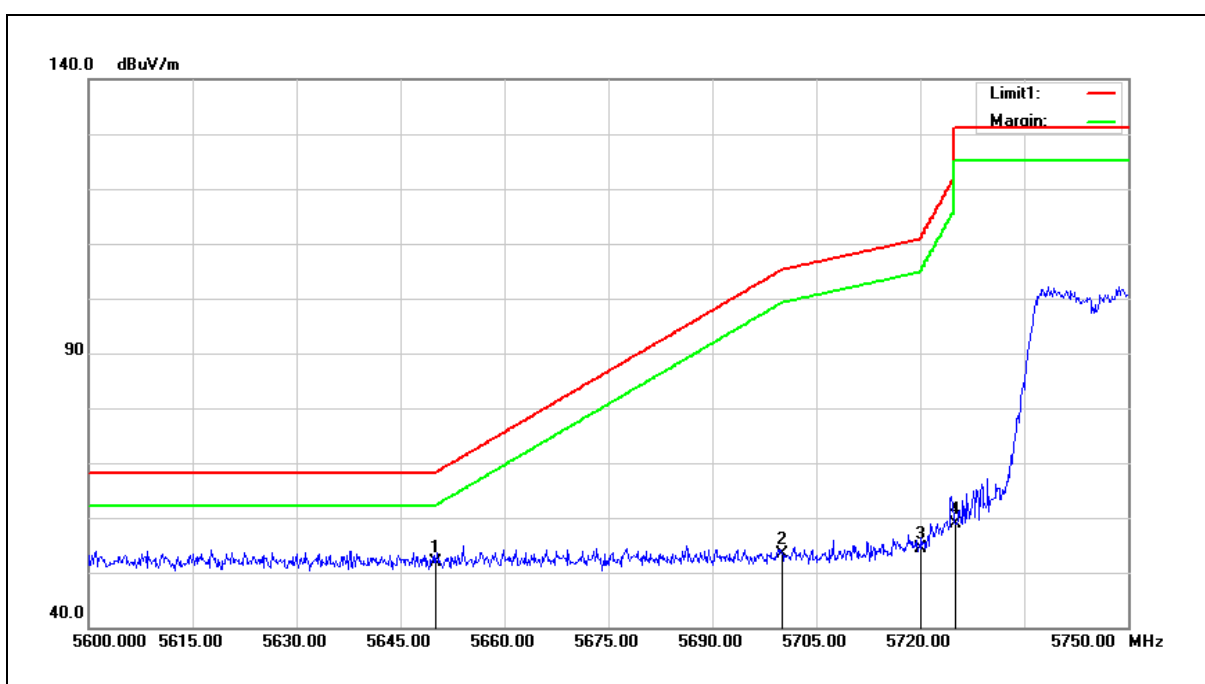
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.22	6.84	53.06	68.20	-15.14	peak
2	5700.000	46.05	6.93	52.98	105.20	-52.22	peak
3	5720.000	46.61	6.97	53.58	110.80	-57.22	peak
4	5725.000	45.65	6.98	52.63	122.20	-69.57	peak

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	44.93	6.84	51.77	68.20	-16.43	peak
2	5700.000	46.54	6.93	53.47	105.20	-51.73	peak
3	5720.000	47.43	6.97	54.40	110.80	-56.40	peak
4	5725.000	52.01	6.98	58.99	122.20	-63.21	peak

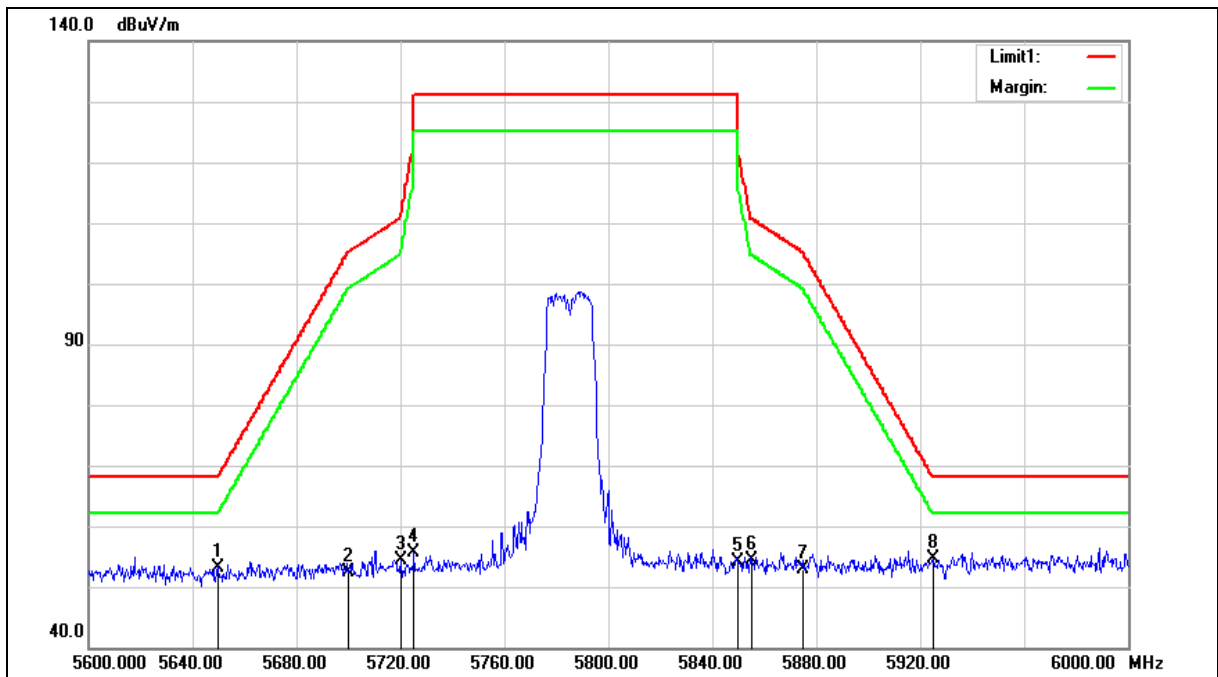
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.31	6.84	53.15	68.20	-15.05	peak
2	5700.000	45.41	6.93	52.34	105.20	-52.86	peak
3	5720.000	47.42	6.97	54.39	110.80	-56.41	peak
4	5725.000	48.57	6.98	55.55	122.20	-66.65	peak
5	5850.000	46.95	7.22	54.17	122.20	-68.03	peak
6	5855.000	47.25	7.23	54.48	110.80	-56.32	peak
7	5875.000	45.72	7.26	52.98	105.20	-52.22	peak
8	5925.000	47.30	7.36	54.66	68.20	-13.54	peak

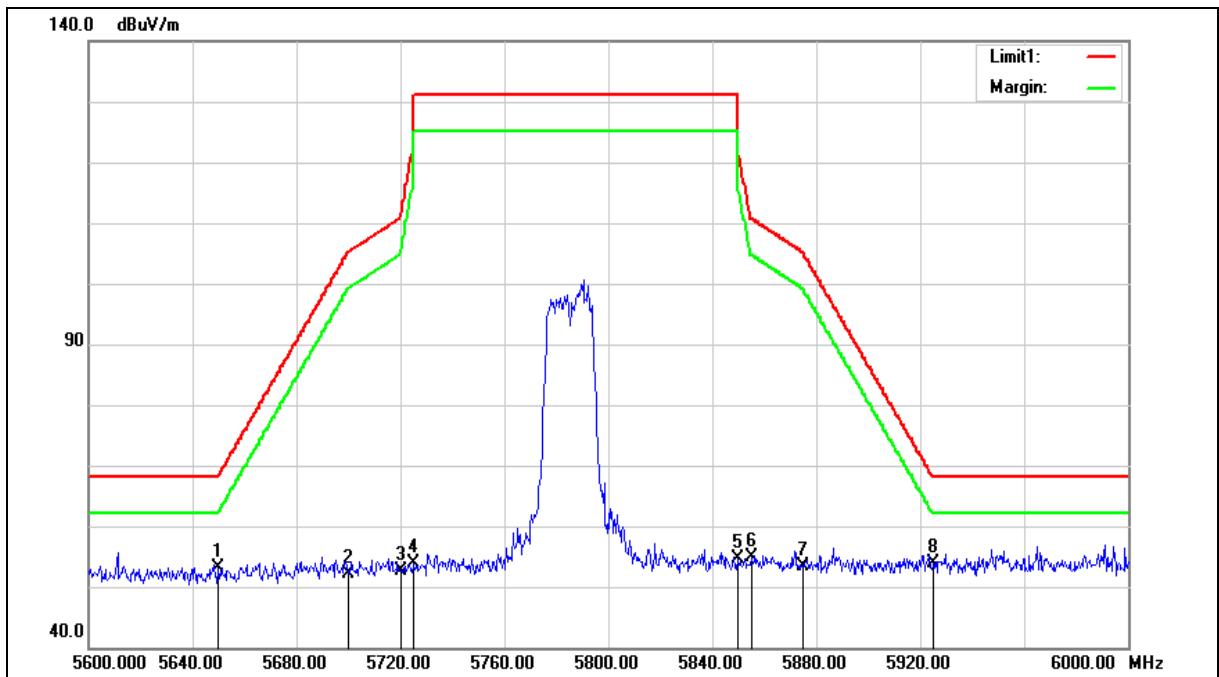
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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



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

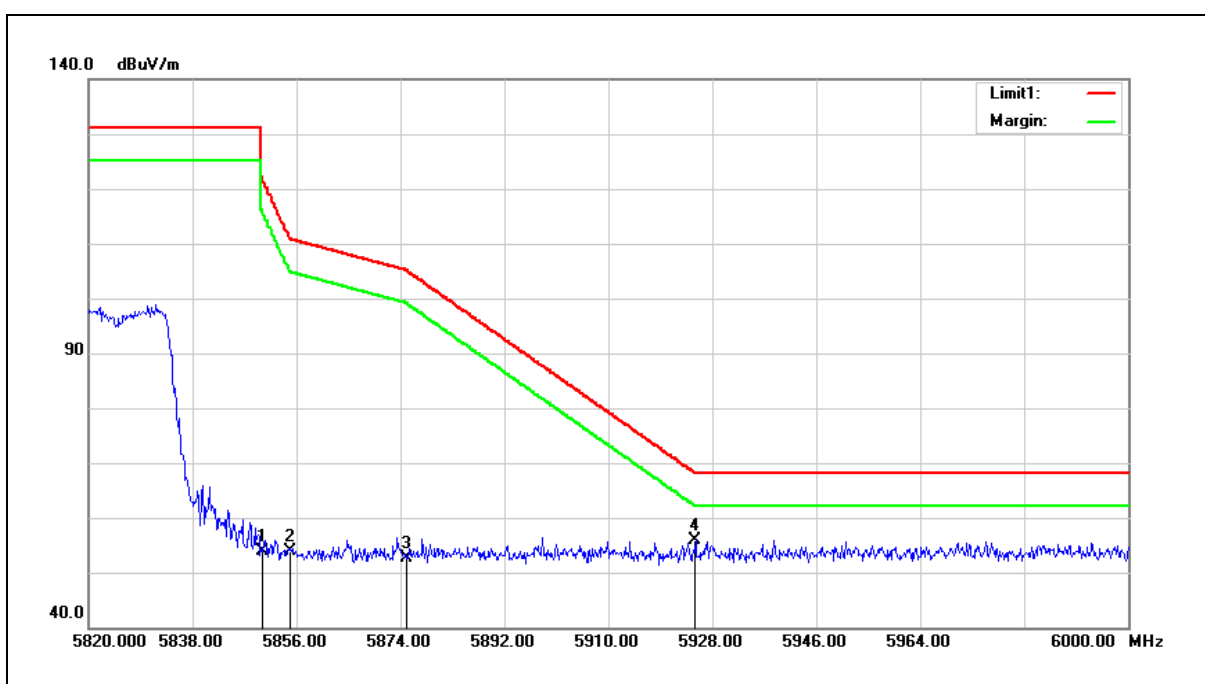
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.18	6.84	53.02	68.20	-15.18	peak
2	5700.000	45.26	6.93	52.19	105.20	-53.01	peak
3	5720.000	45.60	6.97	52.57	110.80	-58.23	peak
4	5725.000	46.85	6.98	53.83	122.20	-68.37	peak
5	5850.000	47.29	7.22	54.51	122.20	-67.69	peak
6	5855.000	47.63	7.23	54.86	110.80	-55.94	peak
7	5875.000	46.23	7.26	53.49	105.20	-51.71	peak
8	5925.000	46.53	7.36	53.89	68.20	-14.31	peak

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

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

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

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



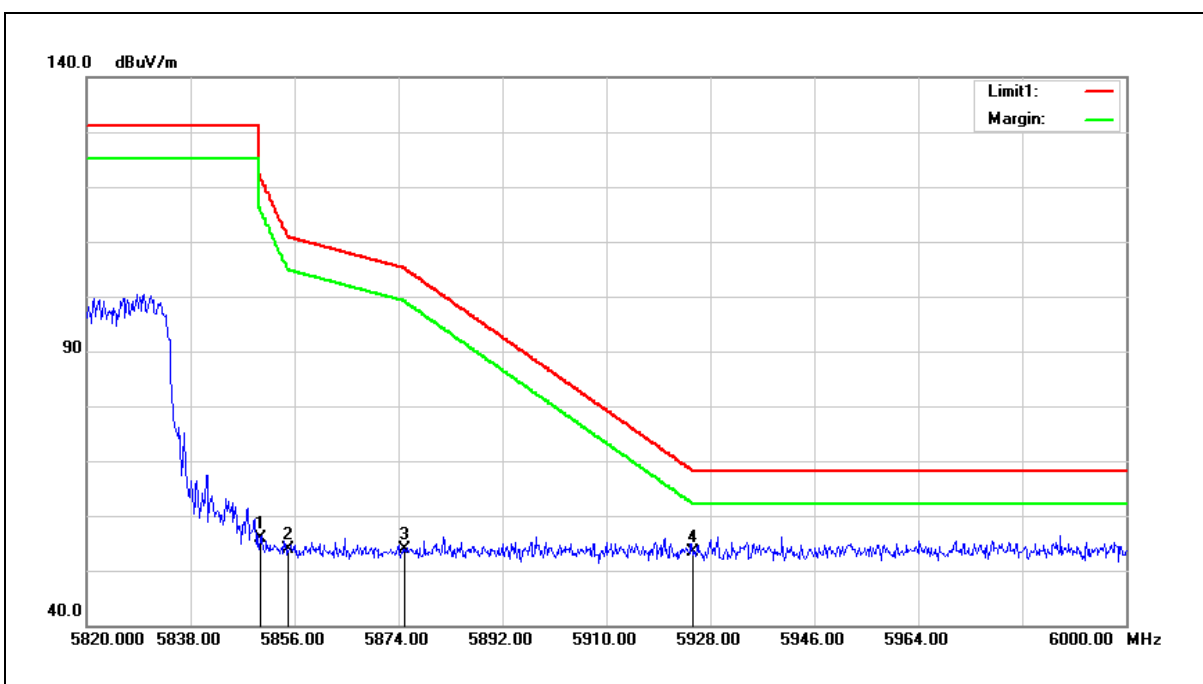
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.76	7.22	53.98	122.20	-68.22	peak
2	5855.000	46.56	7.23	53.79	110.80	-57.01	peak
3	5875.000	45.35	7.26	52.61	105.20	-52.59	peak
4	5925.000	48.51	7.36	55.87	68.20	-12.33	peak

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

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

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

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



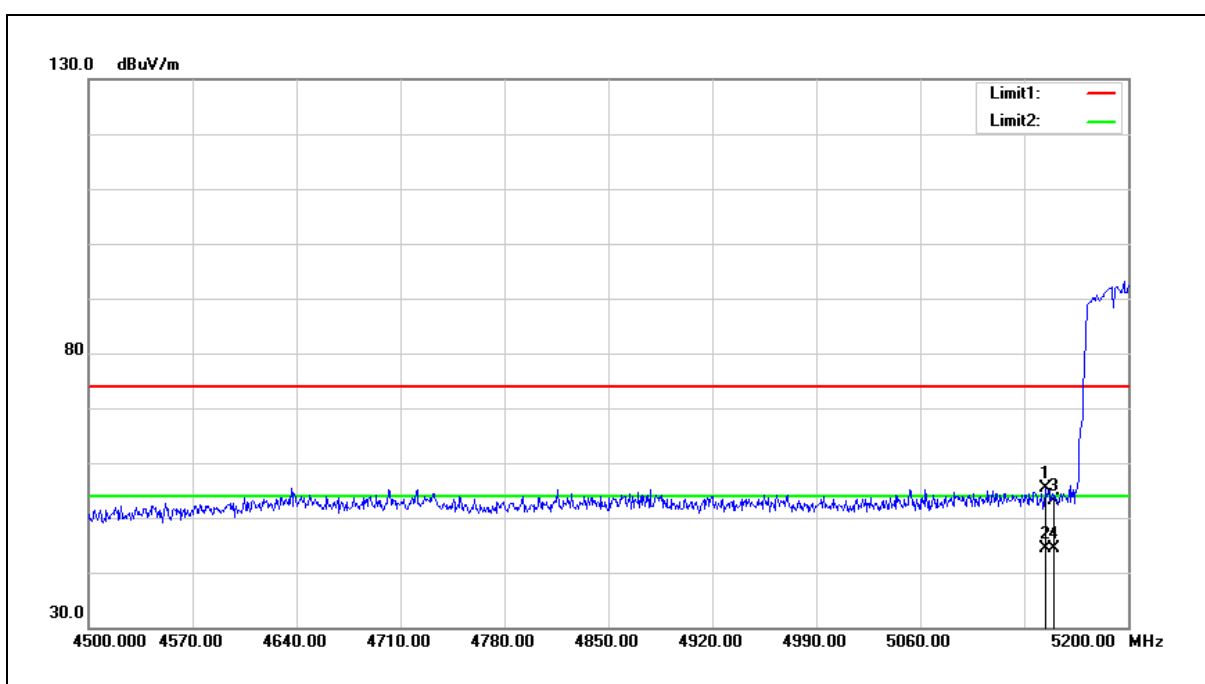
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	48.69	7.22	55.91	122.20	-66.29	peak
2	5855.000	46.70	7.23	53.93	110.80	-56.87	peak
3	5875.000	46.69	7.26	53.95	105.20	-51.25	peak
4	5925.000	46.04	7.36	53.40	68.20	-14.80	peak

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

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

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

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



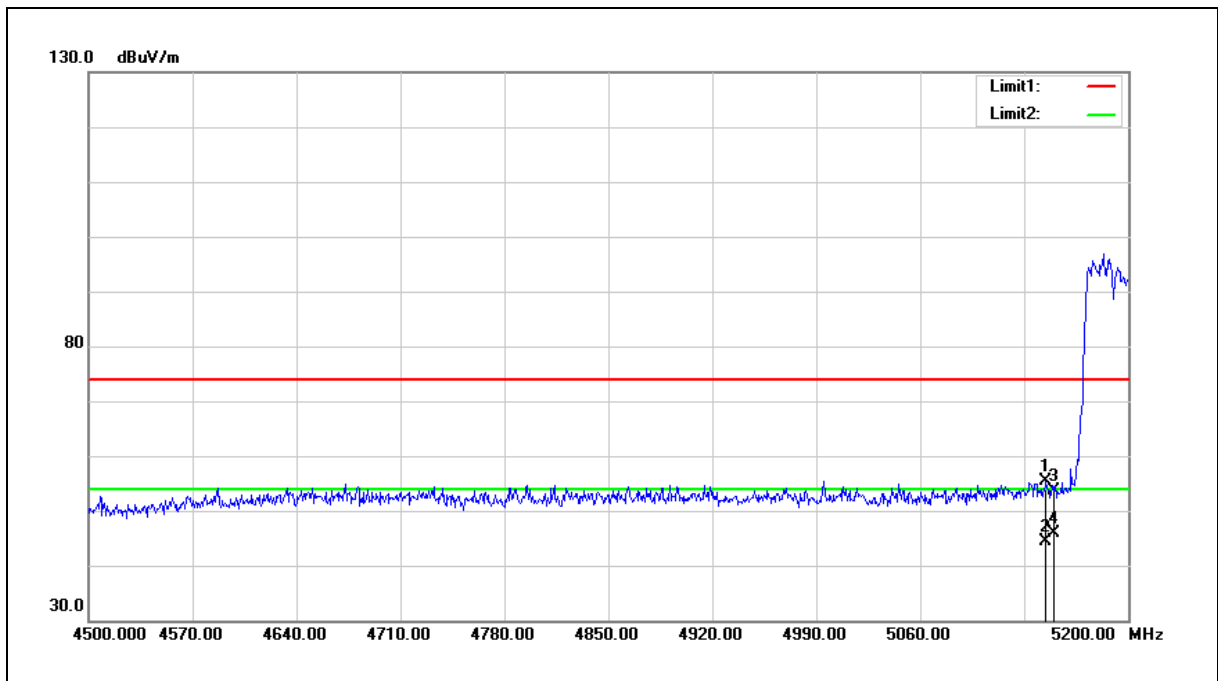
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.000	49.37	5.98	55.35	74.00	-18.65	peak
2	5144.000	38.32	5.98	44.30	54.00	-9.70	AVG
3	5150.000	47.03	5.99	53.02	74.00	-20.98	peak
4	5150.000	38.29	5.99	44.28	54.00	-9.72	AVG

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.700	49.44	5.98	55.42	74.00	-18.58	peak
2	5144.700	38.49	5.98	44.47	54.00	-9.53	AVG
3	5150.000	47.53	5.99	53.52	74.00	-20.48	peak
4	5150.000	39.85	5.99	45.84	54.00	-8.16	AVG

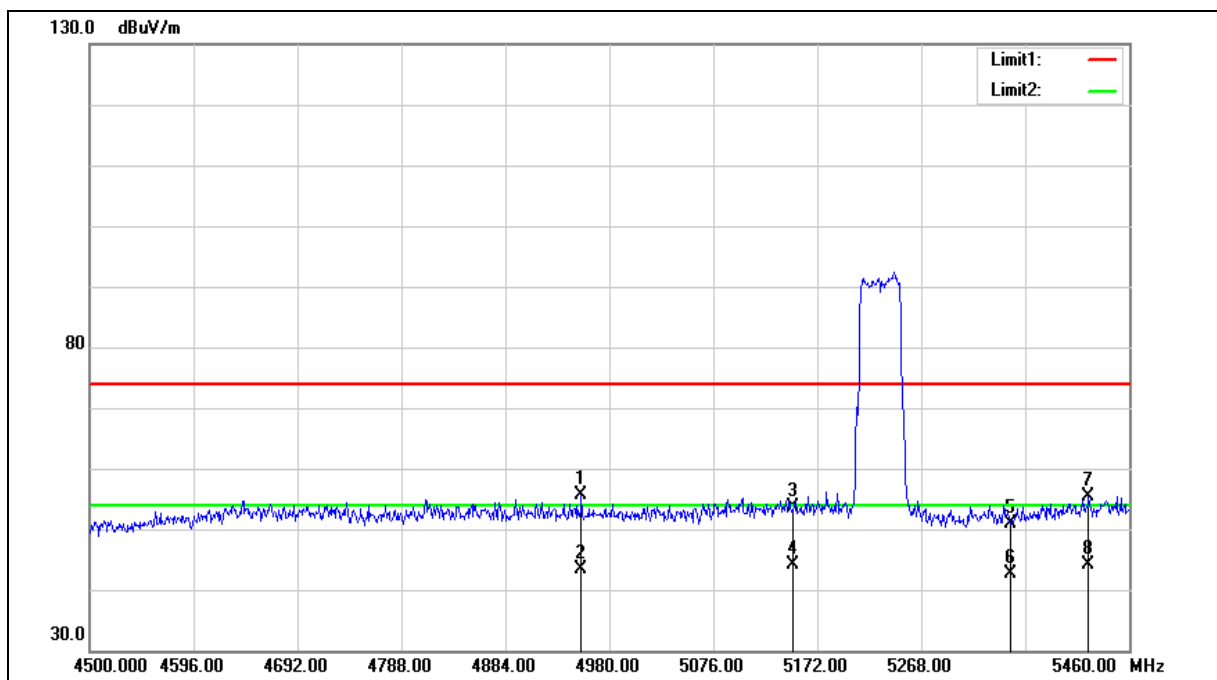
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4954.080	49.93	5.60	55.53	74.00	-18.47	peak
2	4954.080	37.66	5.60	43.26	54.00	-10.74	AVG
3	5150.000	47.57	5.99	53.56	74.00	-20.44	peak
4	5150.000	38.08	5.99	44.07	54.00	-9.93	AVG
5	5350.000	44.63	6.31	50.94	74.00	-23.06	peak
6	5350.000	36.42	6.31	42.73	54.00	-11.27	AVG
7	5422.560	49.06	6.44	55.50	74.00	-18.50	peak
8	5422.560	37.73	6.44	44.17	54.00	-9.83	AVG

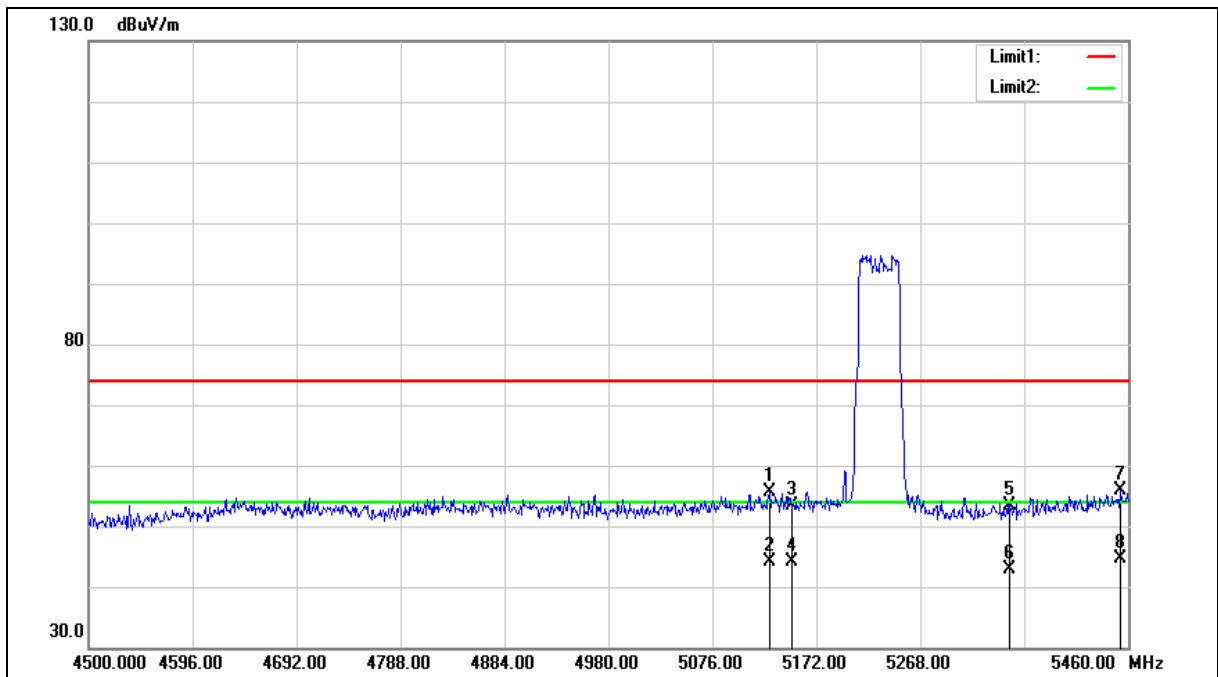
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5128.800	49.60	5.95	55.55	74.00	-18.45	peak
2	5128.800	38.18	5.95	44.13	54.00	-9.87	AVG
3	5150.000	47.30	5.99	53.29	74.00	-20.71	peak
4	5150.000	38.21	5.99	44.20	54.00	-9.80	AVG
5	5350.000	47.00	6.31	53.31	74.00	-20.69	peak
6	5350.000	36.51	6.31	42.82	54.00	-11.18	AVG
7	5452.320	49.35	6.48	55.83	74.00	-18.17	peak
8	5452.320	38.09	6.48	44.57	54.00	-9.43	AVG

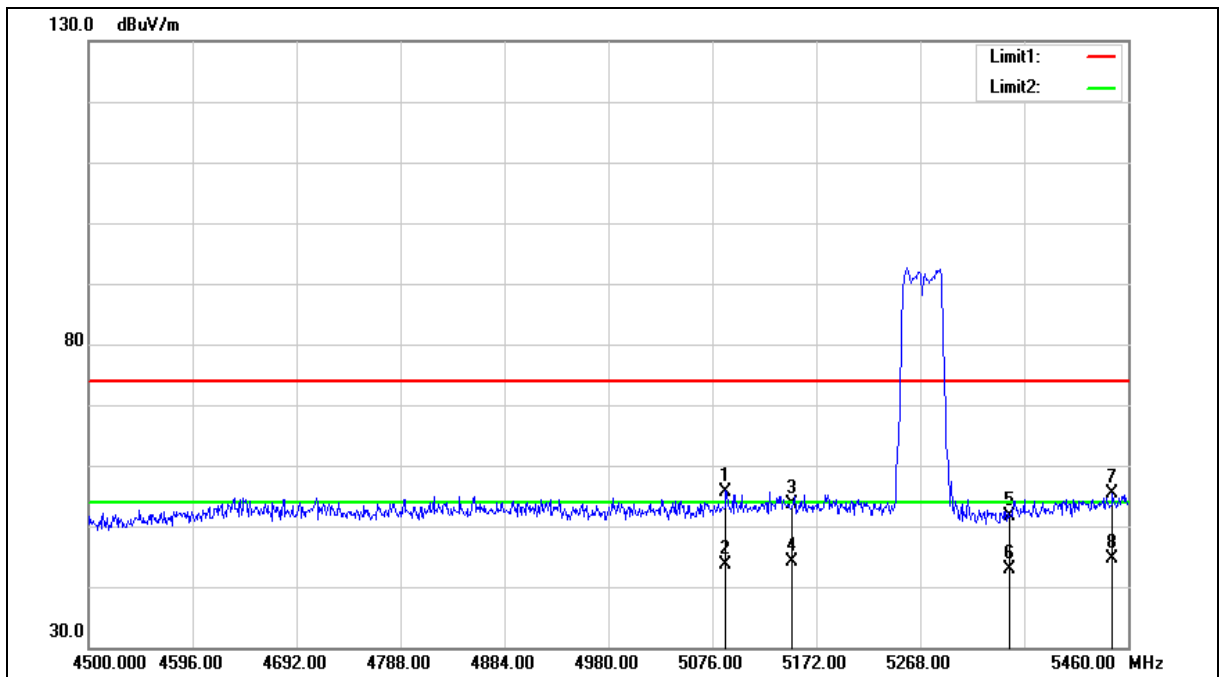
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5088.480	49.86	5.89	55.75	74.00	-18.25	peak
2	5088.480	37.81	5.89	43.70	54.00	-10.30	AVG
3	5150.000	47.55	5.99	53.54	74.00	-20.46	peak
4	5150.000	38.08	5.99	44.07	54.00	-9.93	AVG
5	5350.000	45.30	6.31	51.61	74.00	-22.39	peak
6	5350.000	36.45	6.31	42.76	54.00	-11.24	AVG
7	5445.600	48.81	6.48	55.29	74.00	-18.71	peak
8	5445.600	38.07	6.48	44.55	54.00	-9.45	AVG

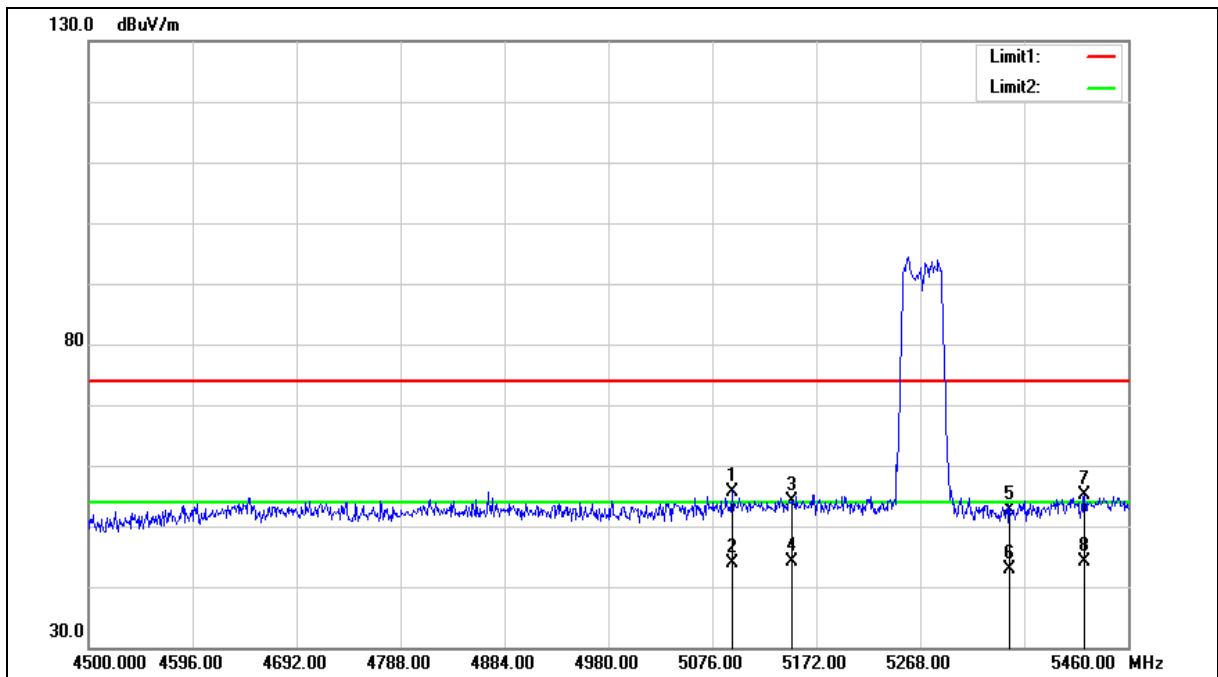
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

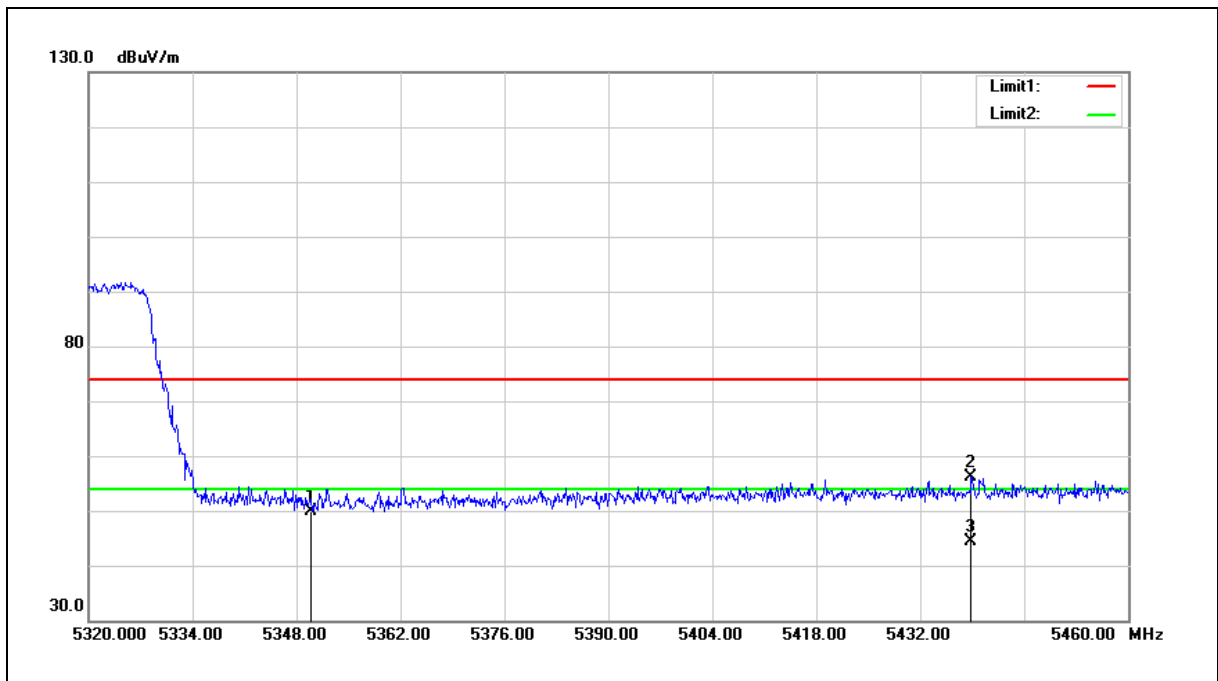
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5094.240	49.83	5.90	55.73	74.00	-18.27	peak
2	5094.240	37.94	5.90	43.84	54.00	-10.16	AVG
3	5150.000	48.12	5.99	54.11	74.00	-19.89	peak
4	5150.000	38.13	5.99	44.12	54.00	-9.88	AVG
5	5350.000	46.42	6.31	52.73	74.00	-21.27	peak
6	5350.000	36.67	6.31	42.98	54.00	-11.02	AVG
7	5419.680	48.68	6.44	55.12	74.00	-18.88	peak
8	5419.680	37.75	6.44	44.19	54.00	-9.81	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:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



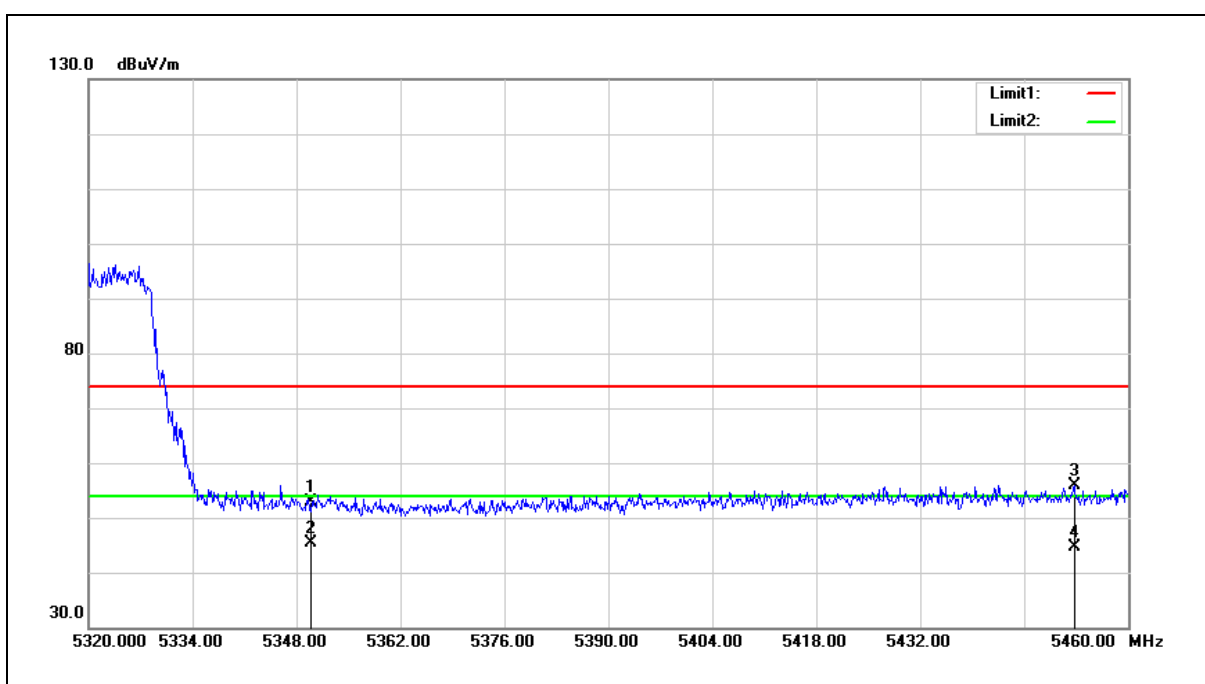
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	43.63	6.31	49.94	74.00	-24.06	peak
2	5438.860	49.62	6.47	56.09	74.00	-17.91	peak
3	5438.860	38.00	6.47	44.47	54.00	-9.53	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



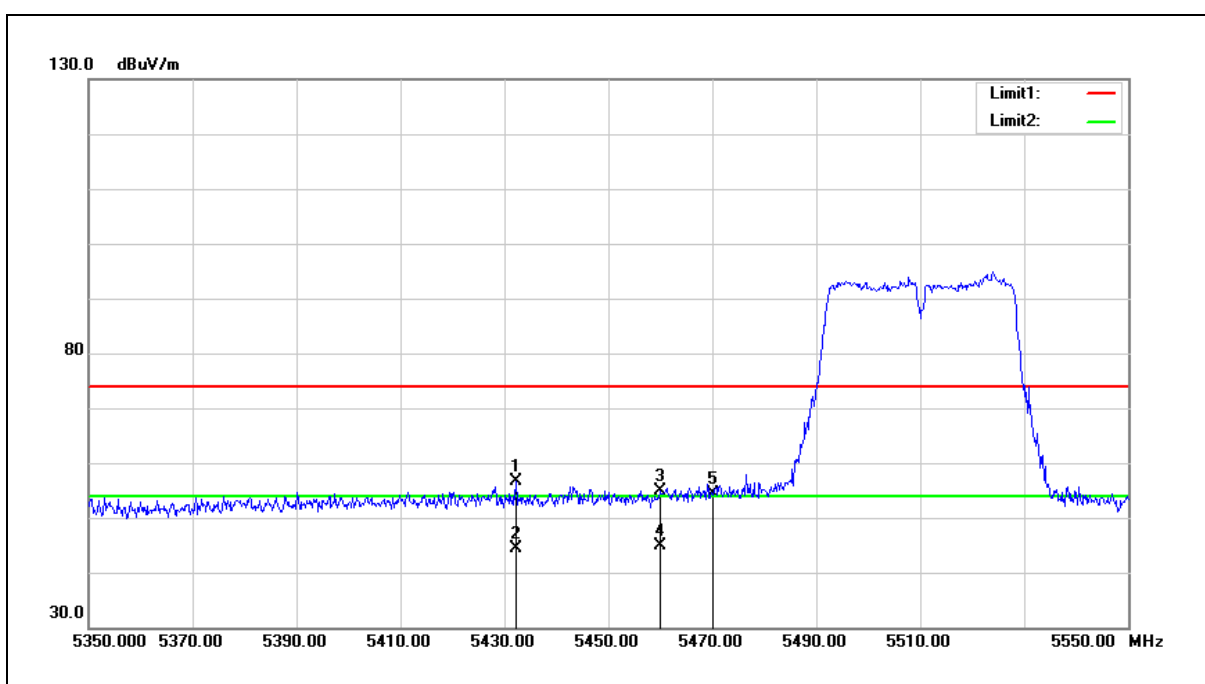
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	46.54	6.31	52.85	74.00	-21.15	peak
2	5350.000	38.95	6.31	45.26	54.00	-8.74	AVG
3	5452.720	49.48	6.48	55.96	74.00	-18.04	peak
4	5452.720	38.24	6.48	44.72	54.00	-9.28	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



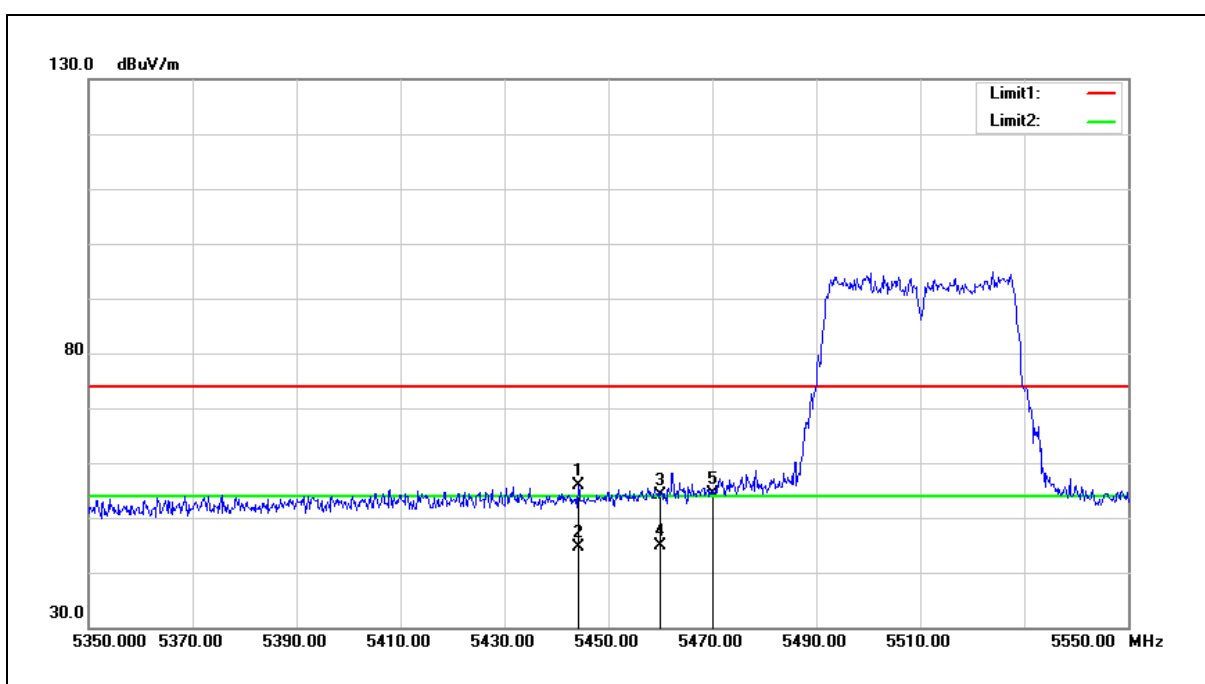
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5432.200	50.09	6.45	56.54	74.00	-17.46	peak
2	5432.200	37.87	6.45	44.32	54.00	-9.68	AVG
3	5460.000	48.44	6.49	54.93	74.00	-19.07	peak
4	5460.000	38.39	6.49	44.88	54.00	-9.12	AVG
5	5470.000	47.98	6.51	54.49	68.20	-13.71	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



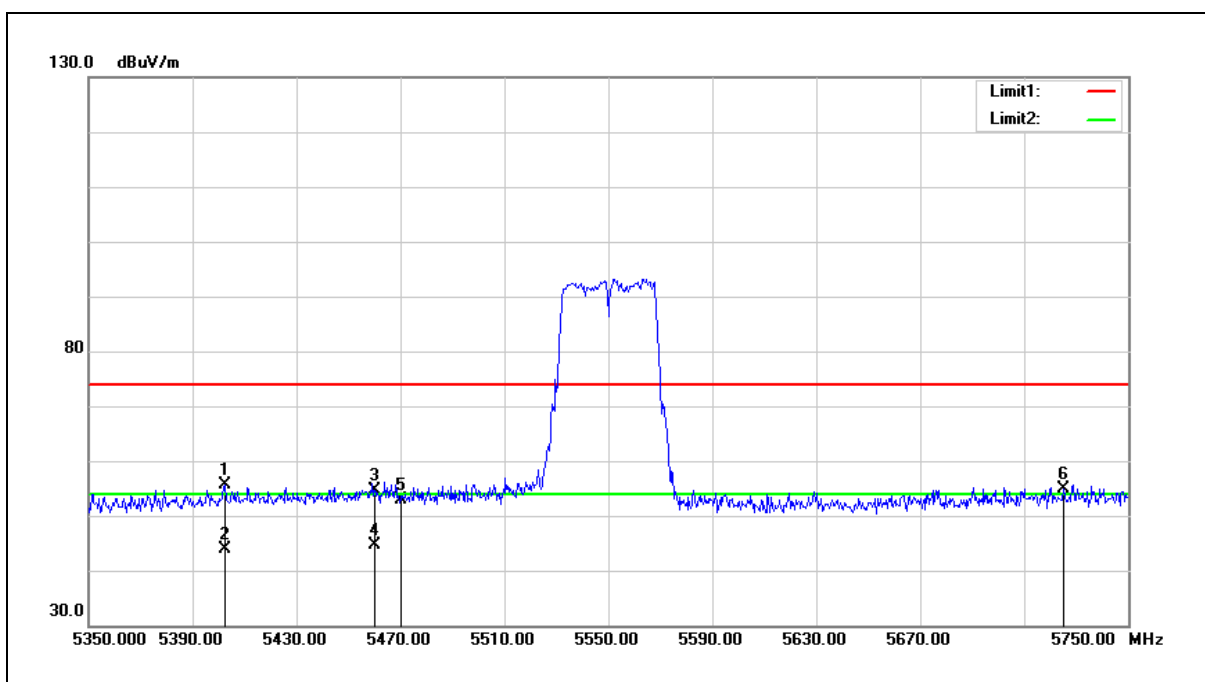
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5444.200	49.47	6.47	55.94	74.00	-18.06	peak
2	5444.200	38.16	6.47	44.63	54.00	-9.37	AVG
3	5460.000	47.60	6.49	54.09	74.00	-19.91	peak
4	5460.000	38.46	6.49	44.95	54.00	-9.05	AVG
5	5470.000	47.88	6.51	54.39	68.20	-13.81	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



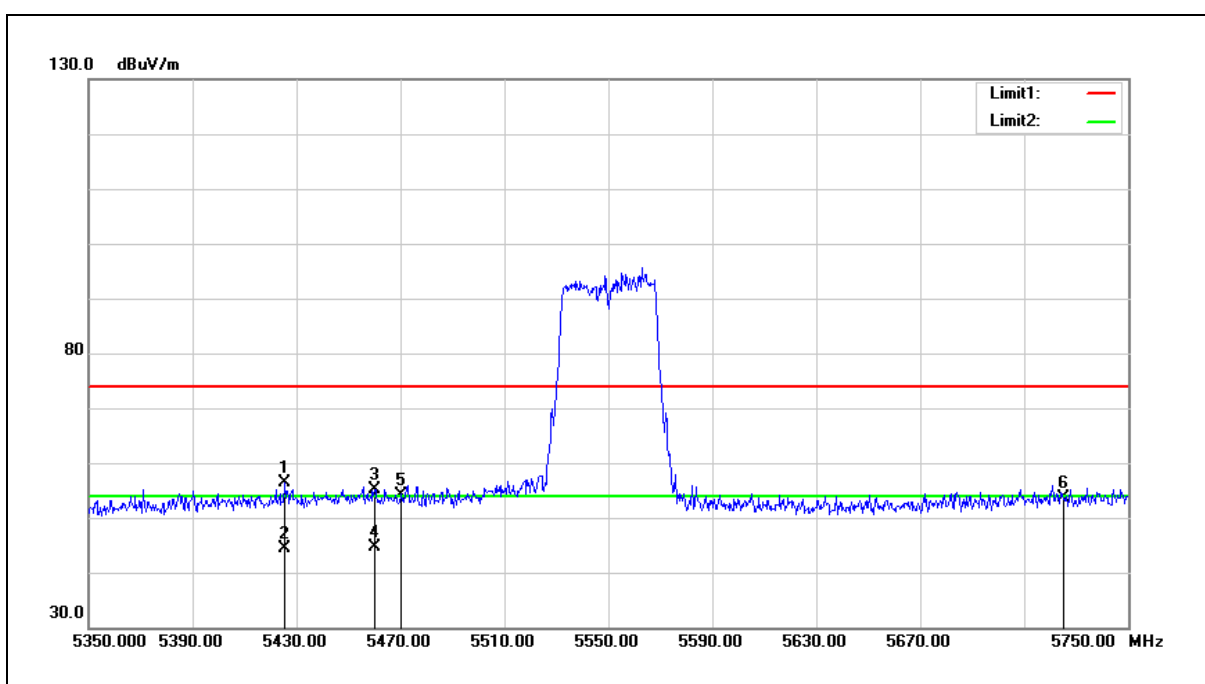
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5402.400	49.23	6.39	55.62	74.00	-18.38	peak
2	5402.400	37.47	6.39	43.86	54.00	-10.14	AVG
3	5460.000	48.03	6.49	54.52	74.00	-19.48	peak
4	5460.000	38.14	6.49	44.63	54.00	-9.37	AVG
5	5470.000	46.29	6.51	52.80	68.20	-15.40	peak
6	5725.000	47.90	6.98	54.88	68.20	-13.32	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:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5425.600	49.96	6.44	56.40	74.00	-17.60	peak
2	5425.600	37.83	6.44	44.27	54.00	-9.73	AVG
3	5460.000	48.70	6.49	55.19	74.00	-18.81	peak
4	5460.000	38.21	6.49	44.70	54.00	-9.30	AVG
5	5470.000	47.72	6.51	54.23	68.20	-13.97	peak
6	5725.000	46.59	6.98	53.57	68.20	-14.63	peak

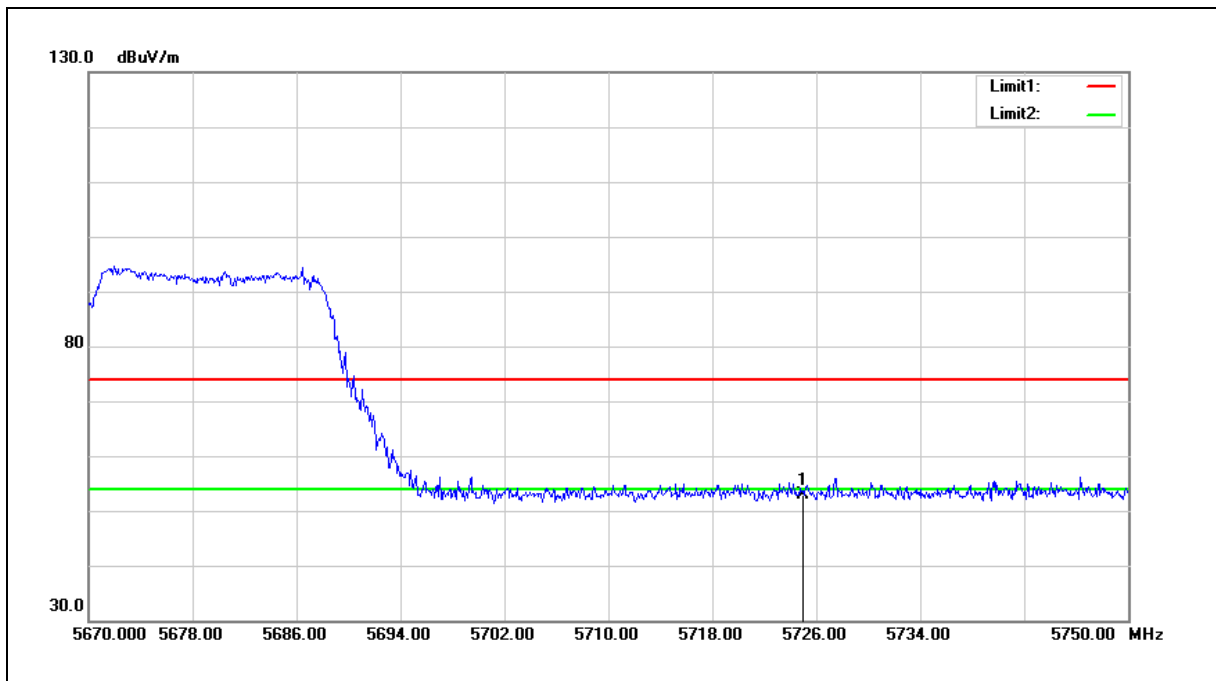
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

3.When the peak 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:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	45.84	6.98	52.82	68.20	-15.38	peak

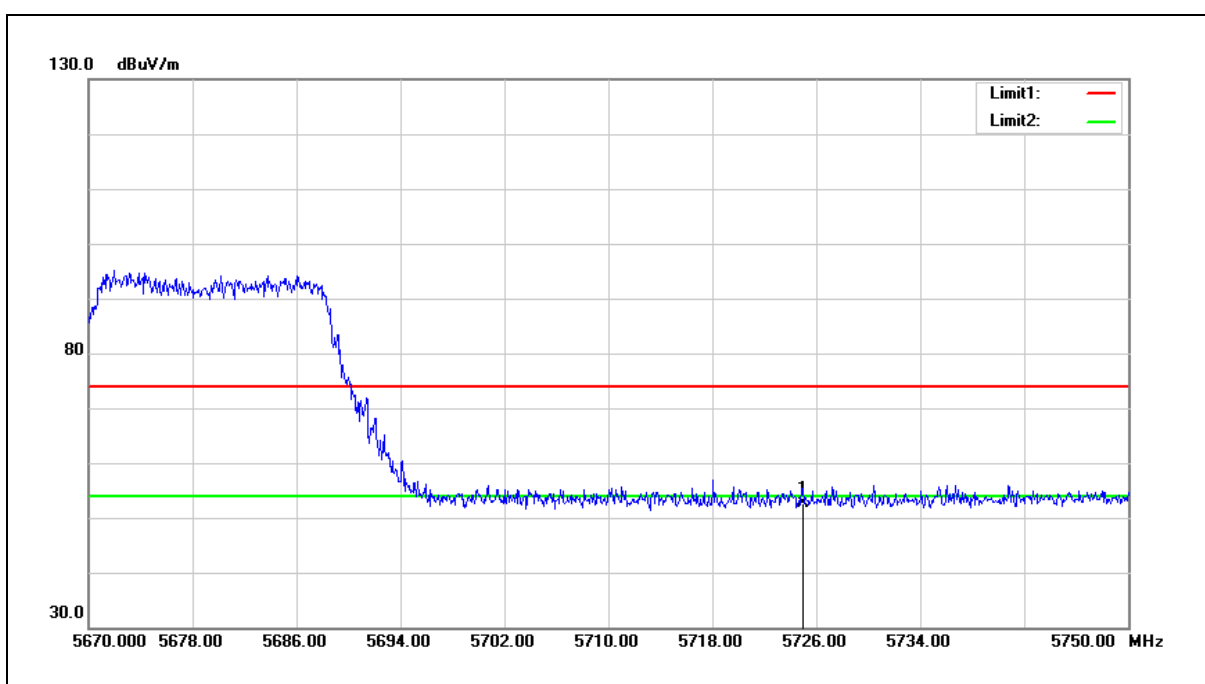
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



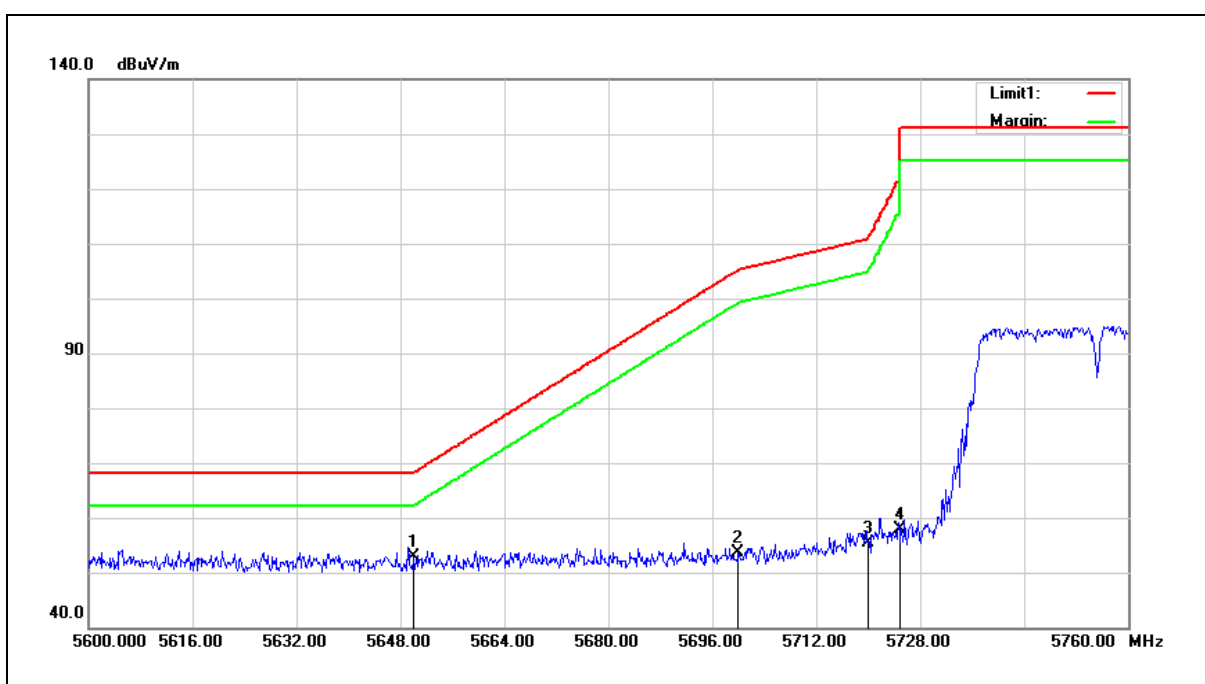
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	45.76	6.98	52.74	68.20	-15.46	peak

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



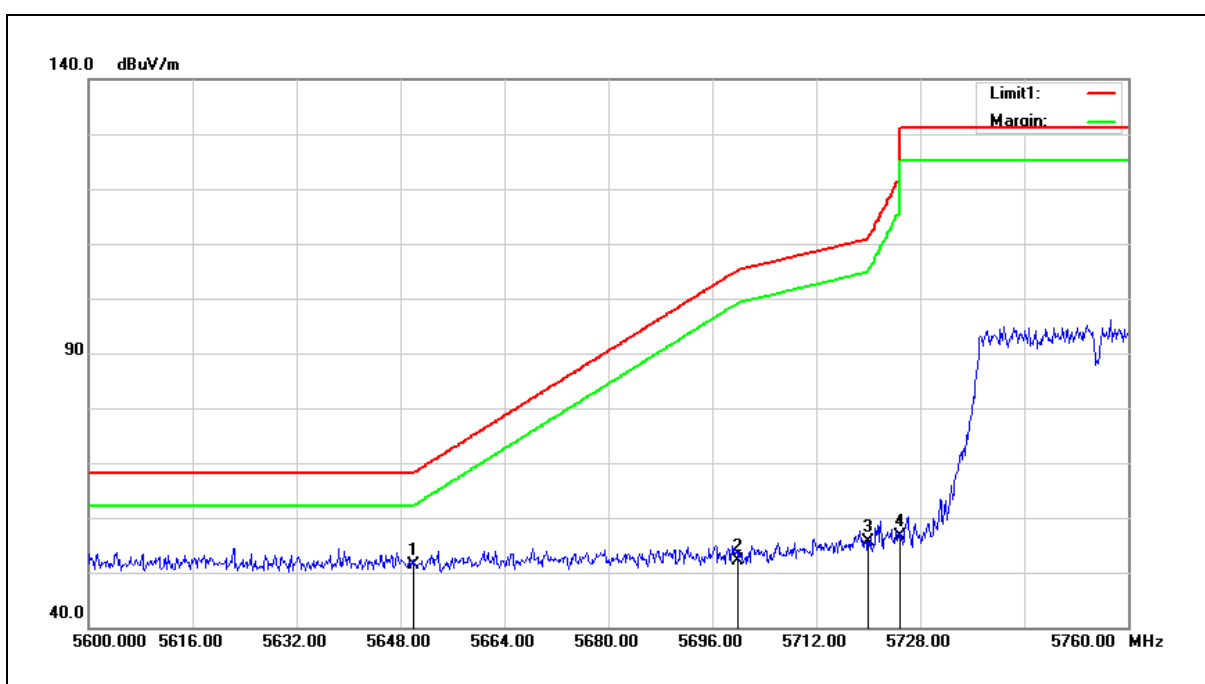
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.07	6.84	52.91	68.20	-15.29	peak
2	5700.000	46.74	6.93	53.67	105.20	-51.53	peak
3	5720.000	48.42	6.97	55.39	110.80	-55.41	peak
4	5725.000	50.99	6.98	57.97	122.20	-64.23	peak

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

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

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

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



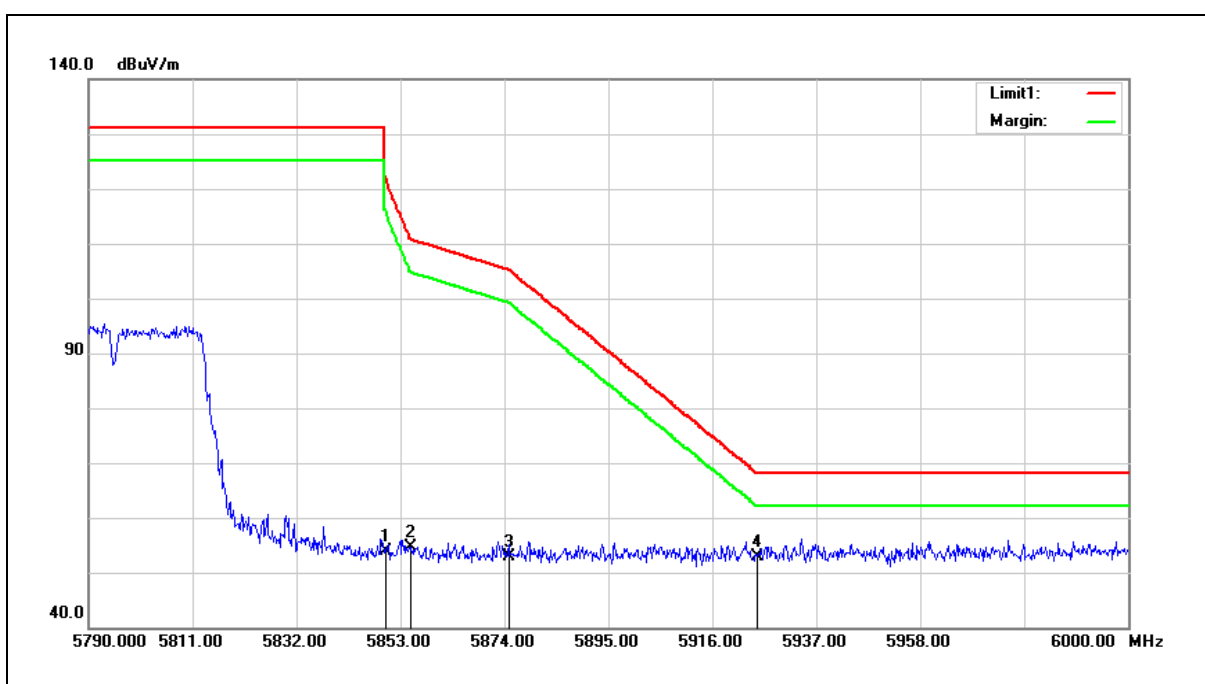
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	44.55	6.84	51.39	68.20	-16.81	peak
2	5700.000	45.12	6.93	52.05	105.20	-53.15	peak
3	5720.000	48.73	6.97	55.70	110.80	-55.10	peak
4	5725.000	49.68	6.98	56.66	122.20	-65.54	peak

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



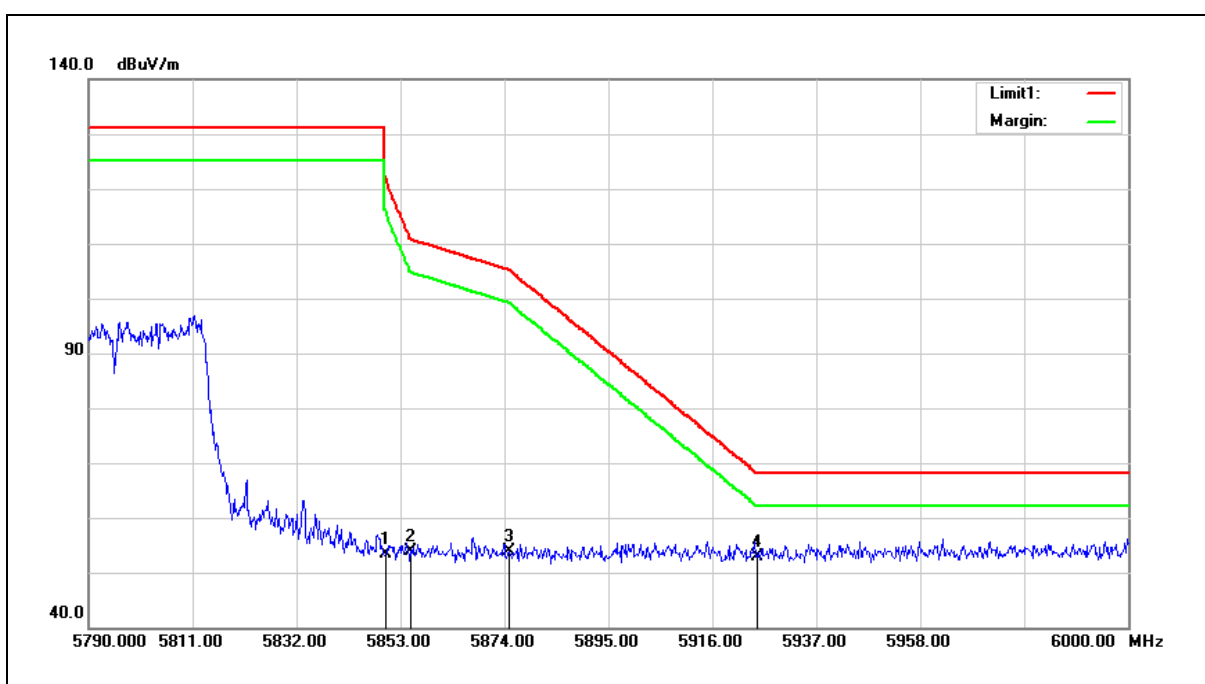
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.60	7.22	53.82	122.20	-68.38	peak
2	5855.000	47.30	7.23	54.53	110.80	-56.27	peak
3	5875.000	45.55	7.26	52.81	105.20	-52.39	peak
4	5925.000	45.55	7.36	52.91	68.20	-15.29	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.06	7.22	53.28	122.20	-68.92	peak
2	5855.000	46.76	7.23	53.99	110.80	-56.81	peak
3	5875.000	46.59	7.26	53.85	105.20	-51.35	peak
4	5925.000	45.63	7.36	52.99	68.20	-15.21	peak

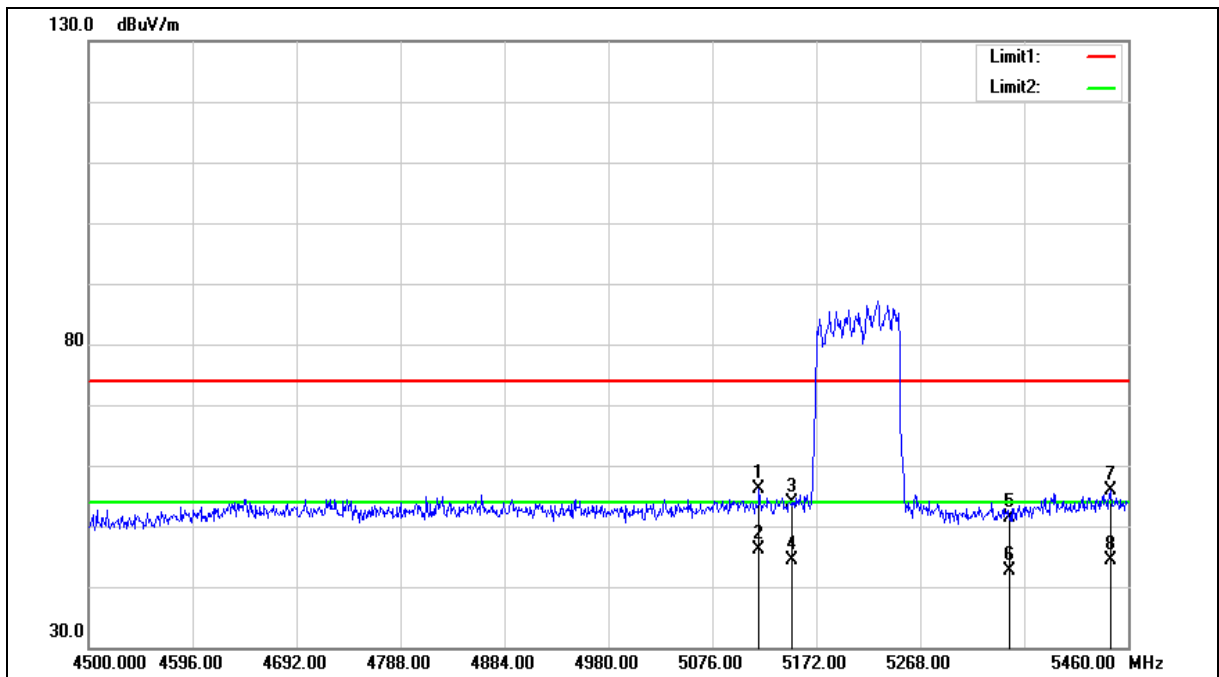
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5119.200	50.08	5.94	56.02	74.00	-17.98	peak
2	5119.200	40.20	5.94	46.14	54.00	-7.86	AVG
3	5150.000	47.98	5.99	53.97	74.00	-20.03	peak
4	5150.000	38.38	5.99	44.37	54.00	-9.63	AVG
5	5350.000	45.19	6.31	51.50	74.00	-22.50	peak
6	5350.000	36.36	6.31	42.67	54.00	-11.33	AVG
7	5443.680	49.41	6.47	55.88	74.00	-18.12	peak
8	5443.680	38.01	6.47	44.48	54.00	-9.52	AVG

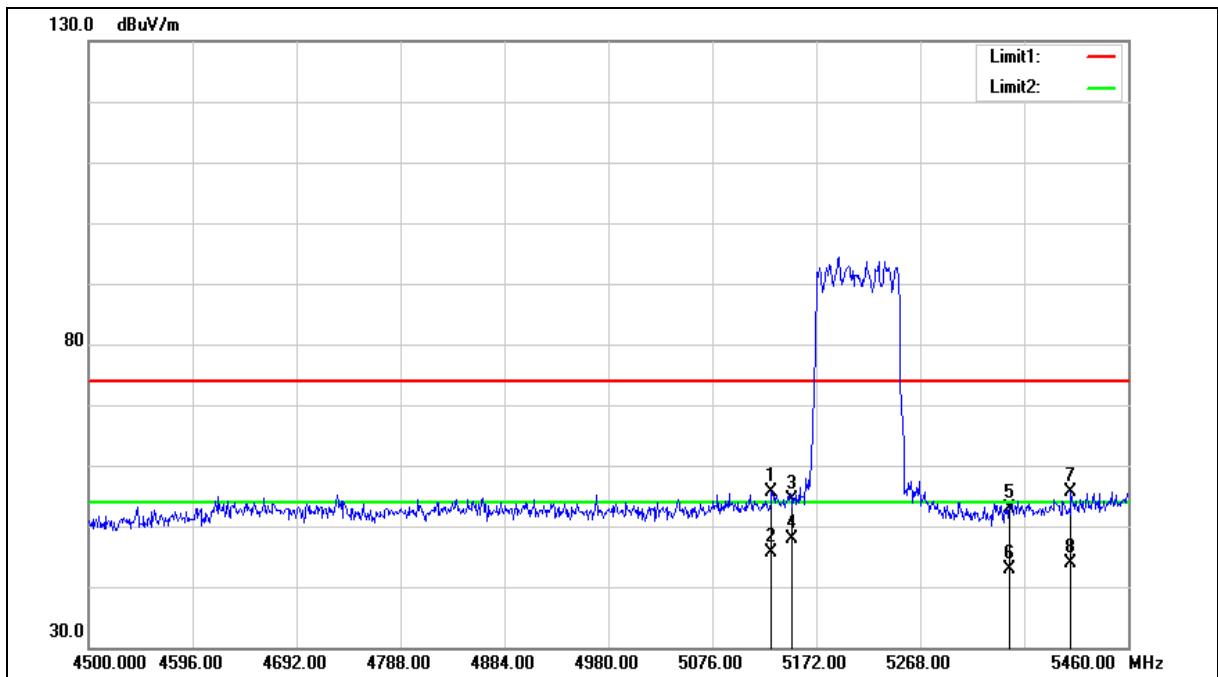
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5130.720	49.75	5.95	55.70	74.00	-18.30	peak
2	5130.720	39.64	5.95	45.59	54.00	-8.41	AVG
3	5150.000	48.41	5.99	54.40	74.00	-19.60	peak
4	5150.000	41.88	5.99	47.87	54.00	-6.13	AVG
5	5350.000	46.50	6.31	52.81	74.00	-21.19	peak
6	5350.000	36.54	6.31	42.85	54.00	-11.15	AVG
7	5407.200	49.26	6.40	55.66	74.00	-18.34	peak
8	5407.200	37.57	6.40	43.97	54.00	-10.03	AVG

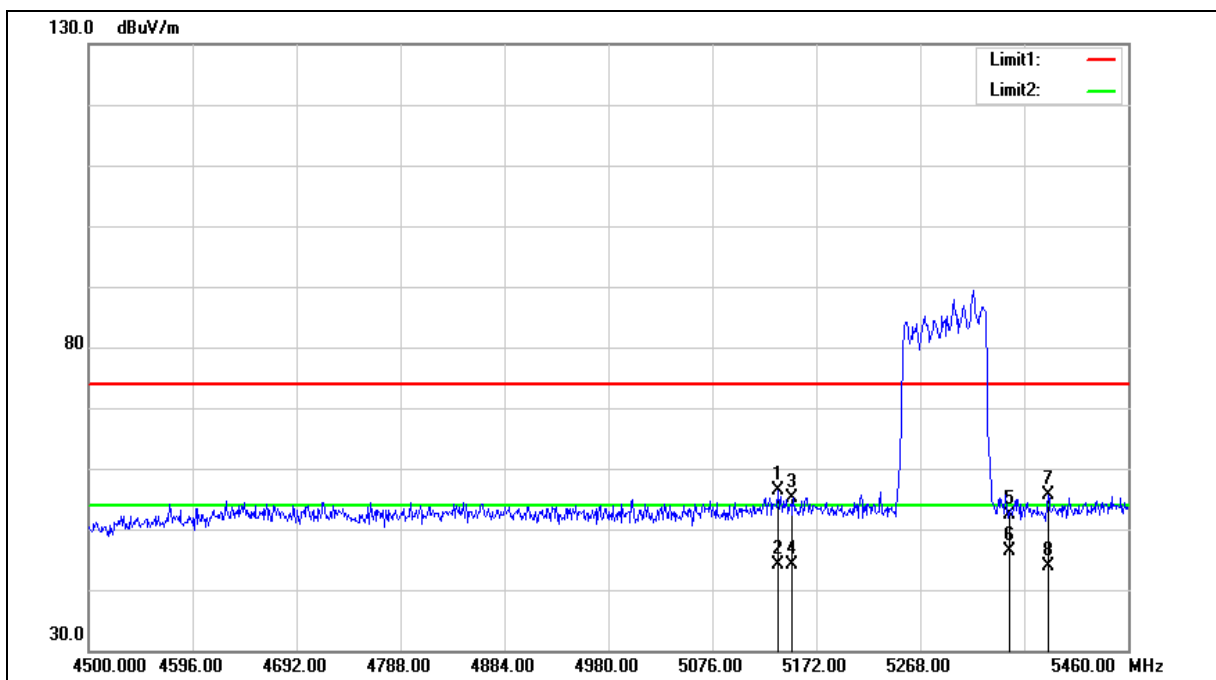
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.480	50.38	5.96	56.34	74.00	-17.66	peak
2	5136.480	38.12	5.96	44.08	54.00	-9.92	AVG
3	5150.000	49.02	5.99	55.01	74.00	-18.99	peak
4	5150.000	38.14	5.99	44.13	54.00	-9.87	AVG
5	5350.000	45.99	6.31	52.30	74.00	-21.70	peak
6	5350.000	40.14	6.31	46.45	54.00	-7.55	AVG
7	5386.080	49.32	6.37	55.69	74.00	-18.31	peak
8	5386.080	37.46	6.37	43.83	54.00	-10.17	AVG

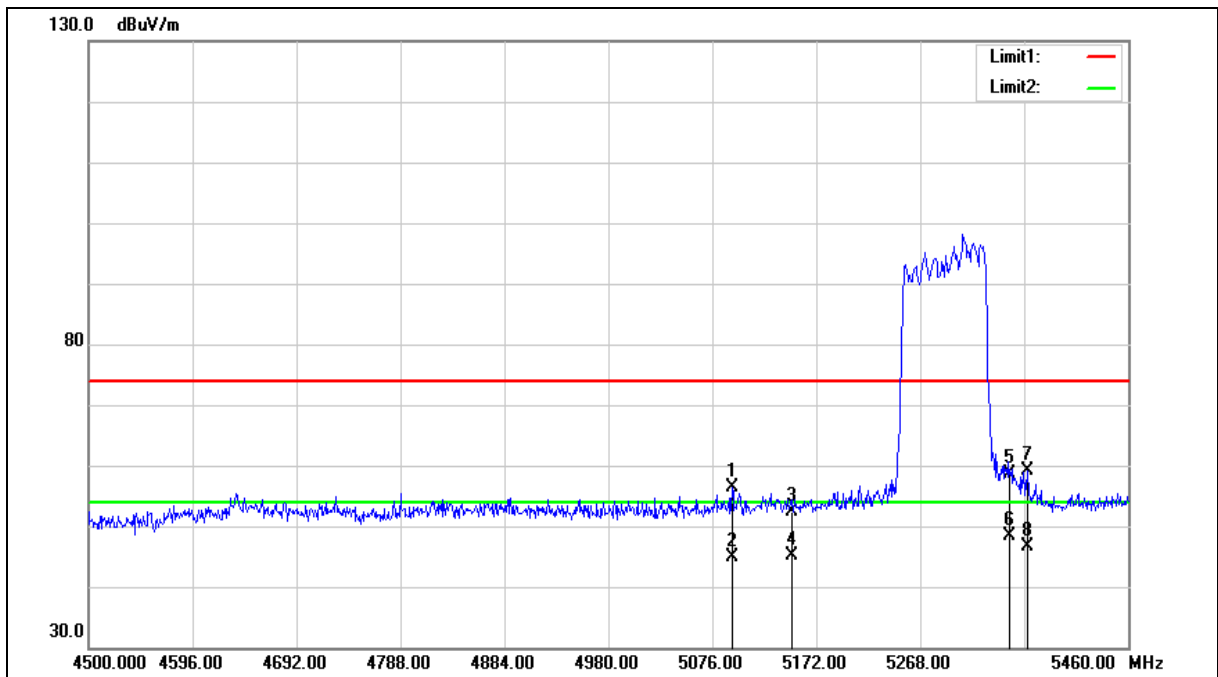
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

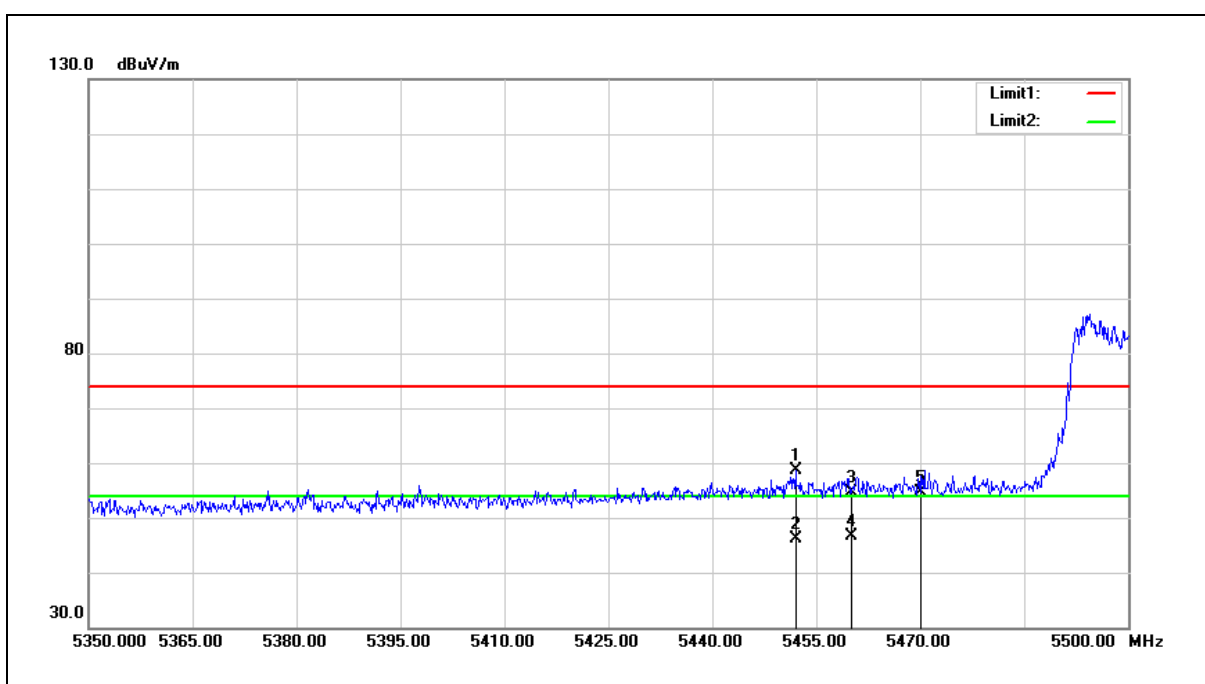
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5094.240	50.40	5.90	56.30	74.00	-17.70	peak
2	5094.240	38.92	5.90	44.82	54.00	-9.18	AVG
3	5150.000	46.36	5.99	52.35	74.00	-21.65	peak
4	5150.000	39.19	5.99	45.18	54.00	-8.82	AVG
5	5350.000	52.38	6.31	58.69	74.00	-15.31	peak
6	5350.000	42.12	6.31	48.43	54.00	-5.57	AVG
7	5366.880	52.72	6.34	59.06	74.00	-14.94	peak
8	5366.880	40.32	6.34	46.66	54.00	-7.34	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



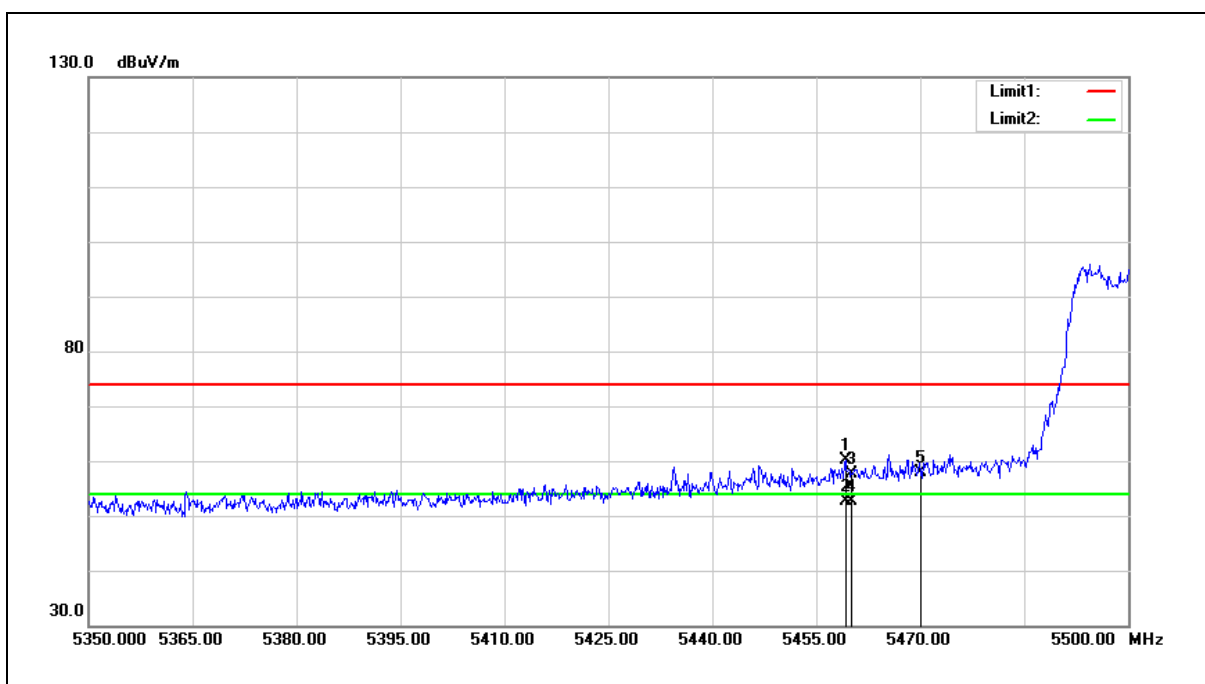
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.000	52.04	6.48	58.52	74.00	-15.48	peak
2	5452.000	39.65	6.48	46.13	54.00	-7.87	AVG
3	5460.000	48.26	6.49	54.75	74.00	-19.25	peak
4	5460.000	40.23	6.49	46.72	54.00	-7.28	AVG
5	5470.000	48.23	6.51	54.74	68.20	-13.46	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:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5459.200	53.70	6.49	60.19	74.00	-13.81	peak
2	5459.200	46.06	6.49	52.55	54.00	-1.45	AVG
3	5460.000	51.07	6.49	57.56	74.00	-16.44	peak
4	5460.000	46.24	6.49	52.73	54.00	-1.27	AVG
5	5470.000	51.45	6.51	57.96	68.20	-10.24	peak

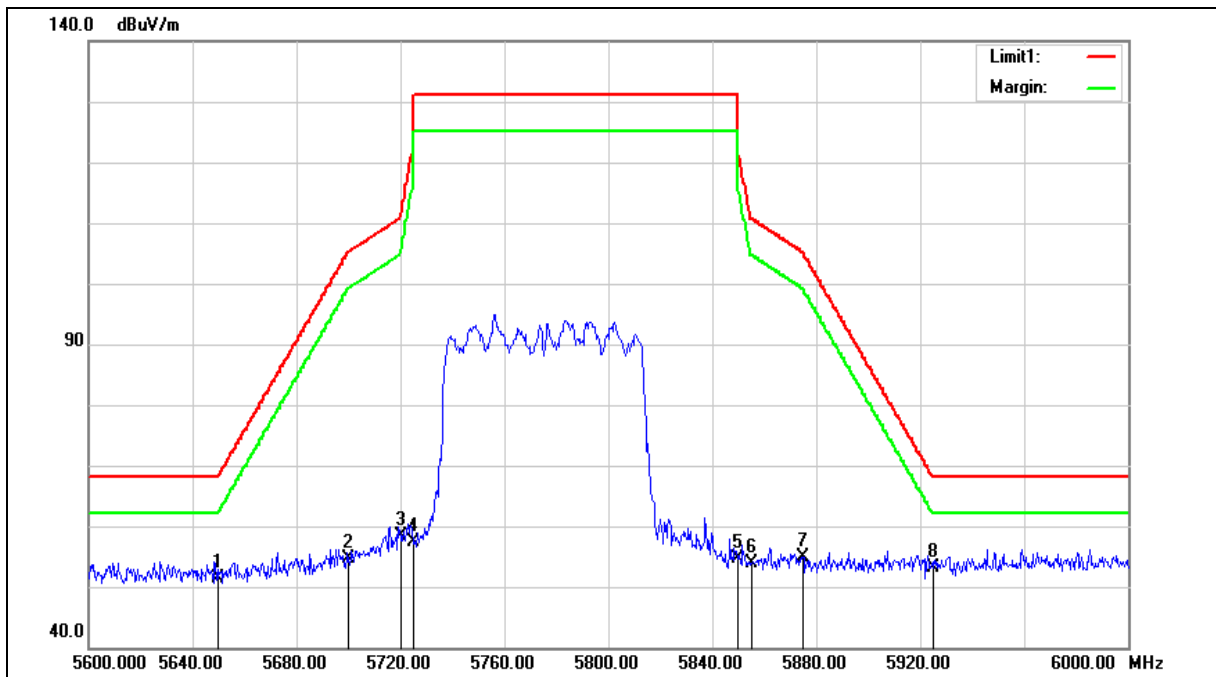
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	44.58	6.84	51.42	68.20	-16.78	peak
2	5700.000	47.74	6.93	54.67	105.20	-50.53	peak
3	5720.000	51.30	6.97	58.27	110.80	-52.53	peak
4	5725.000	50.42	6.98	57.40	122.20	-64.80	peak
5	5850.000	47.47	7.22	54.69	122.20	-67.51	peak
6	5855.000	46.57	7.23	53.80	110.80	-57.00	peak
7	5875.000	47.61	7.26	54.87	105.20	-50.33	peak
8	5925.000	45.67	7.36	53.03	68.20	-15.17	peak

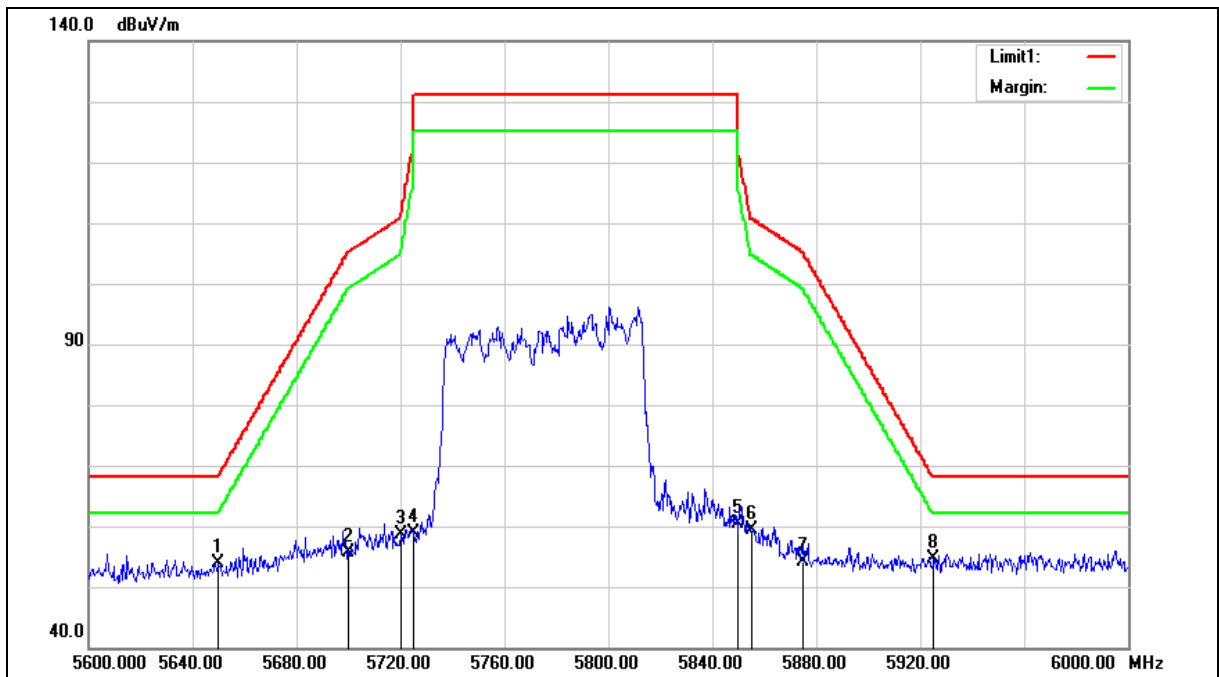
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5775 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.13	6.84	53.97	68.20	-14.23	peak
2	5700.000	48.73	6.93	55.66	105.20	-49.54	peak
3	5720.000	51.72	6.97	58.69	110.80	-52.11	peak
4	5725.000	51.82	6.98	58.80	122.20	-63.40	peak
5	5850.000	53.21	7.22	60.43	122.20	-61.77	peak
6	5855.000	52.27	7.23	59.50	110.80	-51.30	peak
7	5875.000	46.87	7.26	54.13	105.20	-51.07	peak
8	5925.000	47.15	7.36	54.51	68.20	-13.69	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.

5.3. Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0		ANT-1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180	6 M	19.57	0.091	19.43	0.088	≤ 24.00
5200		19.58	0.091	19.44	0.088	
5220		18.75	0.075	18.60	0.072	
5240		19.59	0.091	19.48	0.089	
5260		19.53	0.090	19.40	0.087	≤ 24.00
5280		19.61	0.091	19.48	0.089	
5300		19.61	0.091	19.49	0.089	
5320		19.54	0.090	19.35	0.086	
5500		19.54	0.090	19.36	0.086	≤ 24.00
5520		19.56	0.090	19.32	0.086	
5540		19.53	0.090	19.35	0.086	
5560		19.51	0.089	19.36	0.086	
5580		19.49	0.089	19.36	0.086	
5660		19.49	0.089	19.38	0.087	
5680		19.53	0.090	19.39	0.087	
5700		19.58	0.091	19.29	0.085	
5745		19.57	0.091	19.31	0.085	≤ 30.00
5765		19.57	0.091	19.26	0.084	
5785		19.60	0.091	19.33	0.086	
5805		19.54	0.090	19.28	0.085	
5825		19.67	0.093	19.33	0.086	

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



Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0		ANT-1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180	54 M	19.50	0.089	19.33	0.086	≤ 24.00
5200		19.49	0.089	19.38	0.087	
5220		19.48	0.089	19.50	0.089	
5240		19.51	0.089	19.35	0.086	
5260		19.47	0.089	19.32	0.086	≤ 24.00
5280		19.51	0.089	19.40	0.087	
5300		19.49	0.089	19.41	0.087	
5320		19.42	0.087	19.29	0.085	
5500		19.43	0.088	19.27	0.085	≤ 24.00
5520		19.42	0.087	19.27	0.085	
5540		19.44	0.088	19.22	0.084	
5560		19.42	0.087	19.23	0.084	
5580		19.40	0.087	19.24	0.084	
5660		19.40	0.087	19.27	0.085	
5680		19.47	0.089	19.27	0.085	
5700		19.51	0.089	19.28	0.085	
5745		19.50	0.089	19.19	0.083	≤ 30.00
5765		19.48	0.089	19.13	0.082	
5785		19.47	0.089	19.18	0.083	
5805		19.50	0.089	19.14	0.082	
5825		19.59	0.091	19.12	0.082	

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



Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0		ANT-1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180	13 M	15.58	0.036	15.59	0.036	≤ 24.00
5200		15.57	0.036	15.52	0.036	
5220		15.48	0.035	15.55	0.036	
5240		15.50	0.035	15.52	0.036	
5260		15.43	0.035	15.48	0.035	≤ 24.00
5280		15.47	0.035	15.56	0.036	
5300		15.53	0.036	15.47	0.035	
5320		15.59	0.036	15.51	0.036	
5500		15.55	0.036	15.58	0.036	≤ 24.00
5520		15.56	0.036	15.50	0.035	
5540		15.51	0.036	15.54	0.036	
5560		15.47	0.035	15.59	0.036	
5580		15.44	0.035	15.54	0.036	
5660		15.64	0.037	15.61	0.036	
5680		15.56	0.036	15.62	0.036	
5700		15.56	0.036	15.63	0.037	
5745		18.55	0.072	18.53	0.071	≤ 30.00
5765		18.50	0.071	18.56	0.072	
5785		18.54	0.071	18.62	0.073	
5805		18.54	0.071	18.49	0.071	
5825		18.61	0.073	18.58	0.072	

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



Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	
5180	13 M	18.60	0.072	≤ 24.00
5200		18.56	0.072	
5220		18.53	0.071	
5240		18.52	0.071	
5260		18.47	0.070	≤ 24.00
5280		18.53	0.071	
5300		18.51	0.071	
5320		18.56	0.072	
5500		18.58	0.072	≤ 24.00
5520		18.54	0.071	
5540		18.54	0.071	
5560		18.54	0.071	
5580		18.50	0.071	
5660		18.64	0.073	
5680		18.60	0.072	
5700		18.61	0.073	
5745		21.55	0.143	≤ 30.00
5765		21.54	0.143	
5785		21.59	0.144	
5805		21.53	0.142	
5825		21.61	0.145	

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

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0		ANT-1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180	173.4 M	15.45	0.035	15.51	0.036	≤ 24.00
5200		15.41	0.035	15.47	0.035	
5220		15.40	0.035	15.46	0.035	
5240		15.38	0.035	15.40	0.035	
5260		15.31	0.034	15.42	0.035	≤ 24.00
5280		15.36	0.034	15.46	0.035	
5300		15.40	0.035	15.38	0.035	
5320		15.43	0.035	15.43	0.035	
5500		15.46	0.035	15.50	0.035	≤ 24.00
5520		15.43	0.035	15.45	0.035	
5540		15.39	0.035	15.48	0.035	
5560		15.38	0.035	15.53	0.036	
5580		15.34	0.034	15.44	0.035	
5660		15.51	0.036	15.49	0.035	
5680		15.49	0.035	15.55	0.036	
5700		15.48	0.035	15.53	0.036	
5745		18.43	0.070	18.46	0.070	≤ 30.00
5765		18.42	0.070	18.43	0.070	
5785		18.40	0.069	18.53	0.071	
5805		18.43	0.070	18.41	0.069	
5825		18.49	0.071	18.50	0.071	

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



Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	
5180	173.4 M	18.49	0.071	≤ 24.00
5200		18.45	0.070	
5220		18.44	0.070	
5240		18.40	0.069	
5260		18.38	0.069	≤ 24.00
5280		18.42	0.070	
5300		18.40	0.069	
5320		18.44	0.070	
5500		18.49	0.071	≤ 24.00
5520		18.45	0.070	
5540		18.45	0.070	
5560		18.47	0.070	
5580		18.40	0.069	
5660		18.51	0.071	
5680		18.53	0.071	
5700		18.52	0.071	
5745		21.46	0.140	≤ 30.00
5765		21.44	0.139	
5785		21.48	0.140	
5805		21.43	0.139	
5825		21.51	0.141	

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		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5190	27 M	18.60	0.072	18.57	0.072	≤ 24.00
5230		18.65	0.073	18.61	0.073	
5270		18.58	0.072	18.65	0.073	
5310		18.50	0.071	18.60	0.072	
5510		18.57	0.072	18.50	0.071	
5550		18.52	0.071	18.55	0.072	
5670		18.60	0.072	18.62	0.073	
5755		18.63	0.073	18.49	0.071	≤ 30.00
5795		18.53	0.071	18.57	0.072	
5190	400 M	18.53	0.071	18.45	0.070	≤ 24.00
5230		18.59	0.072	18.50	0.071	
5270		18.50	0.071	18.55	0.072	
5310		18.42	0.070	18.52	0.071	
5510		18.53	0.071	18.43	0.070	
5550		18.47	0.070	18.50	0.071	
5670		18.54	0.071	18.54	0.071	
5755		18.57	0.072	18.40	0.069	≤ 30.00
5795		18.43	0.070	18.50	0.071	

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+1		FCC Limit (dBm)
		(dBm)	(W)	
5190	27 M	21.60	0.144	≤ 24.00
5230		21.64	0.146	
5270		21.63	0.145	
5310		21.56	0.143	
5510		21.55	0.143	
5550		21.55	0.143	
5670		21.62	0.145	
5755		21.57	0.144	≤ 30.00
5795		21.56	0.143	
5190	400 M	21.50	0.141	≤ 24.00
5230		21.56	0.143	
5270		21.54	0.142	
5310		21.48	0.141	
5510		21.49	0.141	
5550		21.50	0.141	
5670		21.55	0.143	
5755		21.50	0.141	≤ 30.00
5795		21.48	0.140	

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

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0		ANT-1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	18.48	0.070	18.48	0.070	≤ 24.00
5290		18.56	0.072	18.59	0.072	
5530		18.56	0.072	18.51	0.071	
5775		18.62	0.073	18.59	0.072	
5210	866.6 M	18.35	0.068	18.36	0.069	≤ 24.00
5290		18.42	0.070	18.47	0.070	
5530		18.43	0.070	18.39	0.069	
5775		18.50	0.071	18.48	0.070	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	
5210	58.6 M	21.49	0.141	≤ 24.00
5290		21.59	0.144	
5530		21.55	0.143	
5775		21.62	0.145	
5210	866.6 M	21.37	0.137	≤ 24.00
5290		21.46	0.140	
5530		21.42	0.139	
5775		21.50	0.141	

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

Test Item		Transmit power control				
Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5260	6M	18.50	4.65	23.15	0.207	≤24
5280		18.40	4.65	23.05	0.202	
5300		18.48	4.65	23.13	0.206	
5320		18.51	4.65	23.16	0.207	
5500		18.49	4.54	23.03	0.201	
5520		18.48	4.54	23.02	0.200	
5540		18.51	4.54	23.05	0.202	
5560		18.53	4.54	23.07	0.203	
5580		18.51	4.54	23.05	0.202	
5660		18.49	4.54	23.03	0.201	
5680		18.48	4.54	23.02	0.200	
5700		18.47	4.54	23.01	0.200	
5260	54M	18.40	4.65	23.05	0.202	≤24
5280		18.32	4.65	22.97	0.198	
5300		18.38	4.65	23.03	0.201	
5320		18.39	4.65	23.04	0.201	
5500		18.42	4.54	22.96	0.198	
5520		18.40	4.54	22.94	0.197	
5540		18.37	4.54	22.91	0.195	
5560		18.43	4.54	22.97	0.198	
5580		18.40	4.54	22.94	0.197	
5660		18.37	4.54	22.91	0.195	
5680		18.39	4.54	22.93	0.196	
5700		18.39	4.54	22.93	0.196	

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)



Test Item		Transmit power control				
Test Mode		Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5260	13M	18.47	4.20	22.67	0.185	≤ 24
5280		18.53	4.20	22.73	0.187	
5300		18.51	4.20	22.71	0.187	
5320		18.56	4.20	22.76	0.189	
5500		18.58	4.46	23.04	0.201	
5520		18.54	4.46	23.00	0.200	
5540		18.54	4.46	23.00	0.199	
5560		18.54	4.46	23.00	0.200	
5580		18.50	4.46	22.96	0.198	
5660		18.64	4.46	23.10	0.204	
5680		18.60	4.46	23.06	0.202	
5700		18.61	4.46	23.07	0.203	
5260	173.4M	18.38	4.20	22.58	0.181	≤ 24
5280		18.42	4.20	22.62	0.183	
5300		18.40	4.20	22.60	0.182	
5320		18.44	4.20	22.64	0.184	
5500		18.49	4.46	22.95	0.197	
5520		18.45	4.46	22.91	0.195	
5540		18.45	4.46	22.91	0.195	
5560		18.47	4.46	22.93	0.196	
5580		18.40	4.46	22.86	0.193	
5660		18.51	4.46	22.97	0.198	
5680		18.53	4.46	22.99	0.199	
5700		18.52	4.46	22.98	0.198	

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)



Test Item		Transmit power control				
Test Mode		Mode 4: IEEE 802.11ac 40MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5270	27M	19.23	4.20	23.43	0.220	≤ 24
5310		19.25	4.20	23.45	0.221	
5510		19.25	4.46	23.71	0.235	
5550		19.18	4.46	23.64	0.231	
5670		19.15	4.46	23.61	0.230	
5270	400M	19.13	4.20	23.33	0.215	≤ 24
5310		19.13	4.20	23.33	0.215	
5510		19.14	4.46	23.60	0.229	
5550		19.07	4.46	23.53	0.225	
5670		19.06	4.46	23.52	0.225	

Test Item		Transmit power control				
Test Mode		Mode 5: IEEE 802.11ac 80MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5290.0	58.6M	19.10	4.20	23.30	0.214	≤24
5530.0		19.06	4.46	23.52	0.225	
5290.0	866.6M	18.95	4.20	23.15	0.206	≤24
5530.0		18.94	4.46	23.40	0.219	

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)

5.4. 26 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode
Frequency (MHz)	Ant-0
5180	32.320
5200	32.880
5240	32.880
5260	30.690
5280	32.380
5320	32.860
5500	28.440
5560	32.980
5700	32.470

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Frequency (MHz)	Ant-0	Ant-1
5180	28.370	22.990
5200	28.970	23.830
5240	29.070	23.920
5260	26.600	23.260
5280	28.660	24.100
5320	29.040	28.500
5500	28.910	29.020
5560	29.020	28.960
5700	33.800	33.200



Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
Frequency (MHz)	Ant-0	Ant-1
5190	53.000	53.180
5230	53.280	52.970
5270	52.970	53.160
5310	53.240	53.090
5510	52.740	53.070
5550	68.480	68.730
5670	72.990	72.900

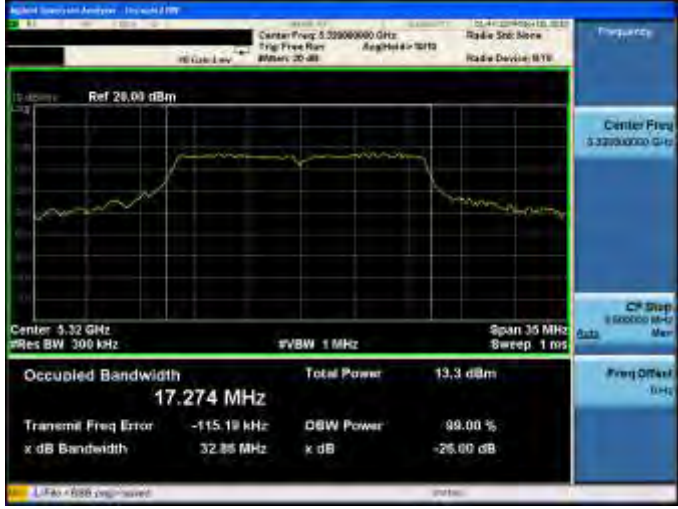
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
Frequency (MHz)	Ant-0	Ant-1
5210	94.020	95.170
5290	95.900	96.240
5530	137.700	144.000

Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5180 MHz	 Center Freq 5.18 GHz Res BW 300 kHz Span 35 MHz Sweep 1 ms Occupied Bandwidth 17.228 MHz Total Power 13.4 dBm Transmit Freq Error -137.15 kHz dBW Power 99.00 % x dB Bandwidth 32.32 MHz x dB -26.00 dB
5200 MHz	 Center Freq 5.2 GHz Res BW 300 kHz Span 35 MHz Sweep 1 ms Occupied Bandwidth 17.293 MHz Total Power 13.6 dBm Transmit Freq Error -135.63 kHz dBW Power 99.00 % x dB Bandwidth 32.88 MHz x dB -26.00 dB
5240 MHz	 Center Freq 5.24 GHz Res BW 300 kHz Span 35 MHz Sweep 1 ms Occupied Bandwidth 17.257 MHz Total Power 13.4 dBm Transmit Freq Error -128.84 kHz dBW Power 99.00 % x dB Bandwidth 32.88 MHz x dB -26.00 dB

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5260 MHz	 Ref 20.00 dBm Center Freq: 5.260000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.186 MHz Total Power: 13.1 dBm Transmit Freq Error: -127.22 kHz OBW Power: 99.00 % x dB Bandwidth: 30.69 MHz x dB: -26.00 dB
5280 MHz	 Ref 20.00 dBm Center Freq: 5.280000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.263 MHz Total Power: 13.2 dBm Transmit Freq Error: -127.97 kHz OBW Power: 99.00 % x dB Bandwidth: 32.38 MHz x dB: -26.00 dB
5320 MHz	 Ref 20.00 dBm Center Freq: 5.320000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.274 MHz Total Power: 13.3 dBm Transmit Freq Error: -115.19 kHz OBW Power: 99.00 % x dB Bandwidth: 32.86 MHz x dB: -26.00 dB

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5500 MHz	 Ref 20.00 dBm Center Freq: 5.50000000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.136 MHz Total Power: 13.1 dBm Transmit Freq Error: -115.36 kHz OBW Power: 99.00 % x dB Bandwidth: 28.44 MHz x dB: -26.00 dB
5560 MHz	 Ref 20.00 dBm Center Freq: 5.56000000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.325 MHz Total Power: 14.0 dBm Transmit Freq Error: -111.58 kHz OBW Power: 99.00 % x dB Bandwidth: 32.98 MHz x dB: -26.00 dB
5700 MHz	 Ref 20.00 dBm Center Freq: 5.70000000 GHz Span: 35 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 17.251 MHz Total Power: 13.8 dBm Transmit Freq Error: -158.83 kHz OBW Power: 99.00 % x dB Bandwidth: 32.47 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0

5180 MHz	 Center Freq: 5.18 GHz Ref: 20.00 dBm Center Freq: 5.1800000 GHz Span: 30 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 18.099 MHz Total Power: 13.0 dBm Transmit Freq Error: -69.814 kHz OBW Power: 99.00 % x dB Bandwidth: 26.37 MHz x dB: -26.00 dB
5200 MHz	 Center Freq: 5.2 GHz Ref: 20.00 dBm Center Freq: 5.2000000 GHz Span: 30 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 18.132 MHz Total Power: 13.1 dBm Transmit Freq Error: -51.827 kHz OBW Power: 99.00 % x dB Bandwidth: 26.97 MHz x dB: -26.00 dB
5240 MHz	 Center Freq: 5.24 GHz Ref: 20.00 dBm Center Freq: 5.2400000 GHz Span: 30 MHz Res BW: 300 kHz VBW: 1 MHz Sweep: 1 ms Occupied Bandwidth: 18.146 MHz Total Power: 13.1 dBm Transmit Freq Error: -52.522 kHz OBW Power: 99.00 % x dB Bandwidth: 29.07 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0

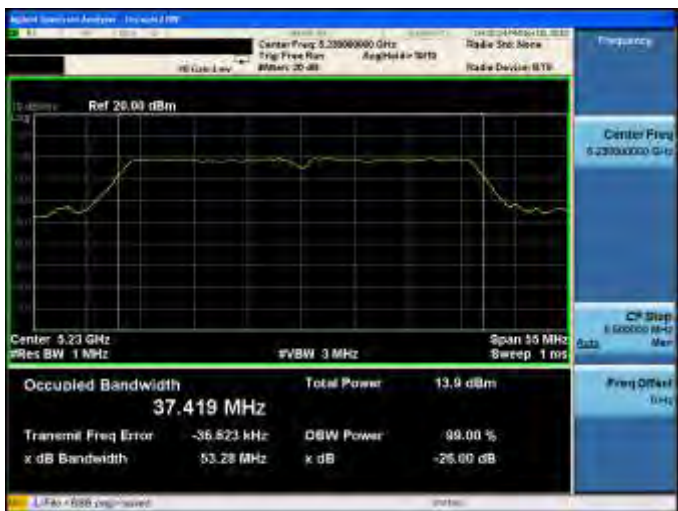
5260 MHz	 Center Freq: 5.26 GHz Occupied Bandwidth: 18.085 MHz Total Power: 12.2 dBm Transmit Freq Error: -57.347 kHz
5280 MHz	 Center Freq: 5.28 GHz Occupied Bandwidth: 18.126 MHz Total Power: 11.3 dBm Transmit Freq Error: -54.384 kHz
5320 MHz	 Center Freq: 5.32 GHz Occupied Bandwidth: 18.159 MHz Total Power: 13.4 dBm Transmit Freq Error: -49.517 kHz

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0

5500 MHz	 Center Freq: 5.50000000 GHz Ref: 20.00 dBm Center: 5.5 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.123 MHz Total Power: 13.6 dBm Transmit Freq Error: -45.281 kHz OBW Power: 99.00 % x dB Bandwidth: 28.91 MHz x dB: -26.00 dB
5560 MHz	 Center Freq: 5.56000000 GHz Ref: 20.00 dBm Center: 5.56 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.162 MHz Total Power: 13.0 dBm Transmit Freq Error: -31.458 kHz OBW Power: 99.00 % x dB Bandwidth: 28.02 MHz x dB: -26.00 dB
5700 MHz	 Center Freq: 5.70000000 GHz Ref: 20.00 dBm Center: 5.7 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.387 MHz Total Power: 13.8 dBm Transmit Freq Error: -72.535 kHz OBW Power: 99.00 % x dB Bandwidth: 33.80 MHz x dB: -26.00 dB



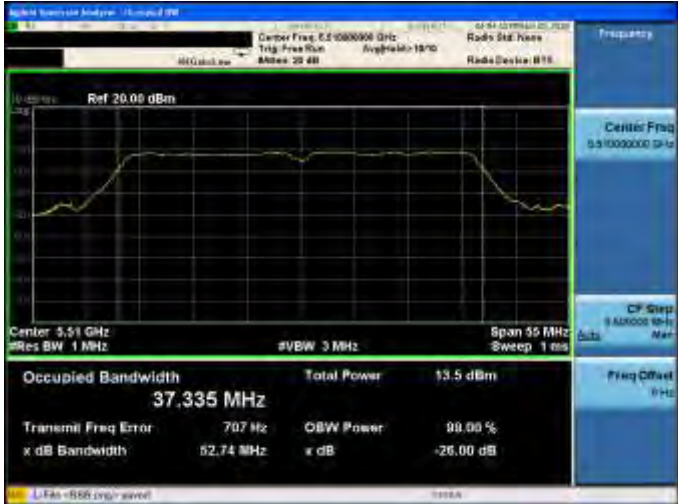
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

5190 MHz	 Ref 20.00 dBm Center Freq 5.19 GHz Span 55 MHz Occupied Bandwidth 37.384 MHz Total Power 13.5 dBm Transmit Freq Error -74.580 kHz DBW Power 99.00 % x dB Bandwidth 53.00 MHz x dB -26.00 dB
5230 MHz	 Ref 20.00 dBm Center Freq 5.23 GHz Span 55 MHz Occupied Bandwidth 37.419 MHz Total Power 13.9 dBm Transmit Freq Error -36.523 kHz DBW Power 99.00 % x dB Bandwidth 53.28 MHz x dB -26.00 dB

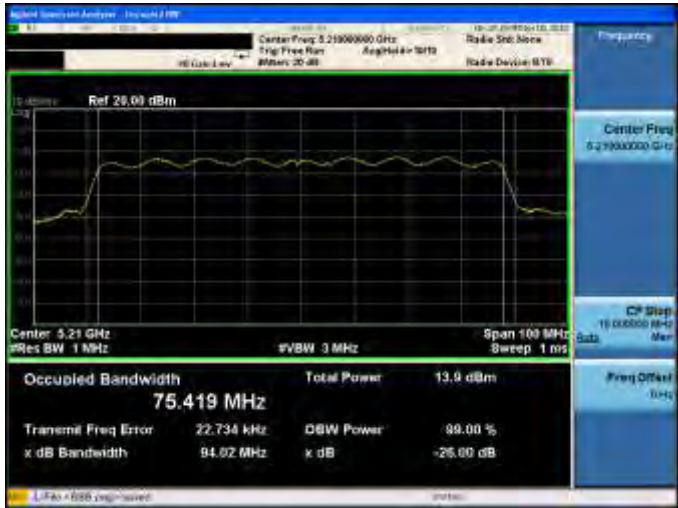
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

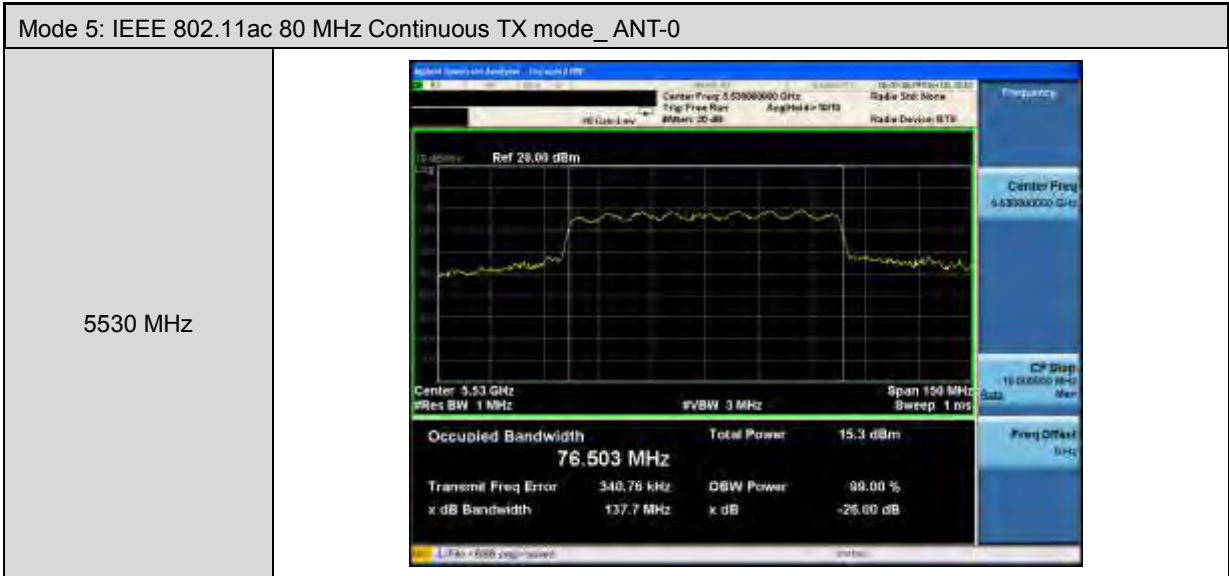
5270 MHz	 Center Freq: 5.2700000 GHz Ref: 20.00 dBm Center: 5.27 GHz Res BW: 1 MHz Span: 55 MHz Sweep: 1 ms Occupied Bandwidth: 37.364 MHz Total Power: 13.2 dBm Transmit Freq Error: -36.381 kHz OBW Power: 99.00 % x dB Bandwidth: 52.97 MHz x dB: -26.00 dB
5310 MHz	 Center Freq: 5.3100000 GHz Ref: 20.00 dBm Center: 5.31 GHz Res BW: 1 MHz Span: 55 MHz Sweep: 1 ms Occupied Bandwidth: 37.403 MHz Total Power: 13.8 dBm Transmit Freq Error: -46.711 kHz OBW Power: 99.00 % x dB Bandwidth: 53.24 MHz x dB: -26.00 dB

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

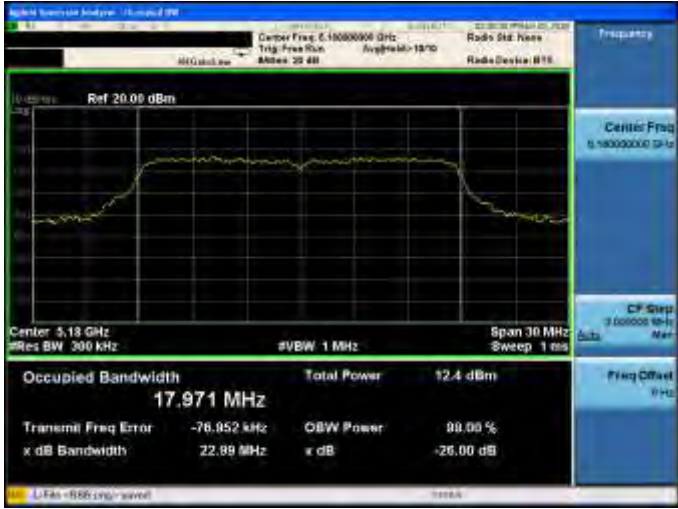
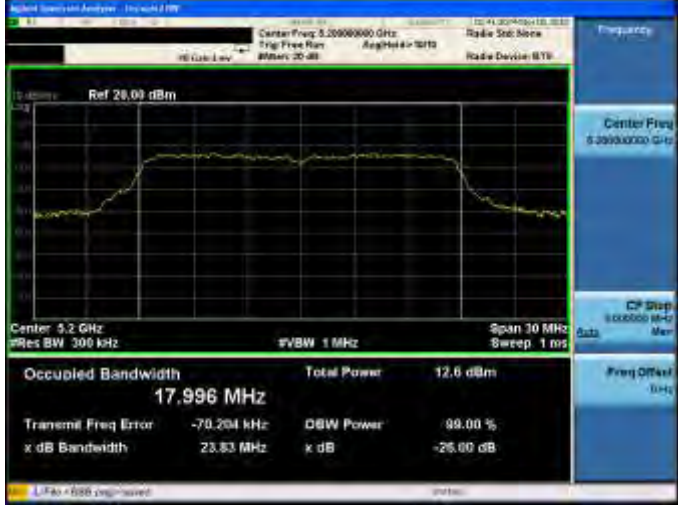
5510 MHz	 Center Freq: 5.51 GHz Span: 55 MHz Occupied Bandwidth: 37.335 MHz Total Power: 13.5 dBm Transmit Freq Error: 707 Hz
5550 MHz	 Center Freq: 5.55 GHz Span: 70 MHz Occupied Bandwidth: 37.653 MHz Total Power: 14.5 dBm Transmit Freq Error: 18.994 kHz
5670 MHz	 Center Freq: 5.67 GHz Span: 75 MHz Occupied Bandwidth: 37.866 MHz Total Power: 14.4 dBm Transmit Freq Error: -85.382 kHz

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-0

5210 MHz	 Center Freq: 5.2100000 GHz Ref: 20.00 dBm Center: 5.21 GHz Res BW: 1 MHz Span: 100 MHz Sweep: 1 ms Occupied Bandwidth: 75.419 MHz Total Power: 13.9 dBm Transmit Freq Error: 22.734 kHz dBW Power: 99.00 % x dB Bandwidth: 94.02 MHz x dB: -26.00 dB
5290 MHz	 Center Freq: 5.2900000 GHz Ref: 20.00 dBm Center: 5.29 GHz Res BW: 1 MHz Span: 100 MHz Sweep: 1 ms Occupied Bandwidth: 75.503 MHz Total Power: 14.2 dBm Transmit Freq Error: 7.146 kHz dBW Power: 99.00 % x dB Bandwidth: 95.90 MHz x dB: -26.00 dB



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5180 MHz	 Center Freq: 5.18000000 GHz Ref: 20.00 dBm Center: 5.18 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 17.971 MHz Total Power: 12.4 dBm Transmit Freq Error: -76.952 kHz OBW Power: 99.00 % x dB Bandwidth: 22.89 MHz x dB: -26.00 dB
5200 MHz	 Center Freq: 5.20000000 GHz Ref: 20.00 dBm Center: 5.2 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 17.996 MHz Total Power: 12.6 dBm Transmit Freq Error: -70.204 kHz OBW Power: 99.00 % x dB Bandwidth: 23.83 MHz x dB: -26.00 dB
5240 MHz	 Center Freq: 5.24000000 GHz Ref: 20.00 dBm Center: 5.24 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 17.995 MHz Total Power: 10.7 dBm Transmit Freq Error: -65.899 kHz OBW Power: 99.00 % x dB Bandwidth: 23.92 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5260 MHz	 Center Freq: 5.26 GHz Occupied Bandwidth: 17.979 MHz Total Power: 10.4 dBm Transmit Freq Error: -65.604 kHz
5280 MHz	 Center Freq: 5.28 GHz Occupied Bandwidth: 18.017 MHz Total Power: 12.6 dBm Transmit Freq Error: -62.146 kHz
5320 MHz	 Center Freq: 5.32 GHz Occupied Bandwidth: 18.065 MHz Total Power: 12.8 dBm Transmit Freq Error: -50.121 kHz

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5500 MHz	 Center Freq: 5.5000000 GHz Ref: 20.00 dBm Center: 5.5 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.086 MHz Total Power: 12.8 dBm Transmit Freq Error: -40.526 kHz dBW Power: 99.00 % x dB Bandwidth: 28.02 MHz x dB: -26.00 dB
5560 MHz	 Center Freq: 5.5600000 GHz Ref: 20.00 dBm Center: 5.56 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.090 MHz Total Power: 13.2 dBm Transmit Freq Error: -33.920 kHz dBW Power: 99.00 % x dB Bandwidth: 28.96 MHz x dB: -26.00 dB
5700 MHz	 Center Freq: 5.7000000 GHz Ref: 20.00 dBm Center: 5.7 GHz Res BW: 300 kHz Span: 30 MHz Sweep: 1 ms Occupied Bandwidth: 18.254 MHz Total Power: 12.6 dBm Transmit Freq Error: -62.108 kHz dBW Power: 99.00 % x dB Bandwidth: 33.20 MHz x dB: -26.00 dB

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

5190 MHz	
5230 MHz	

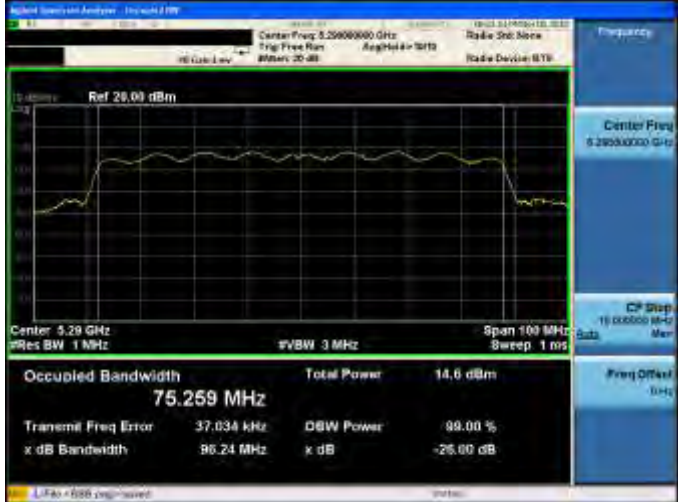
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

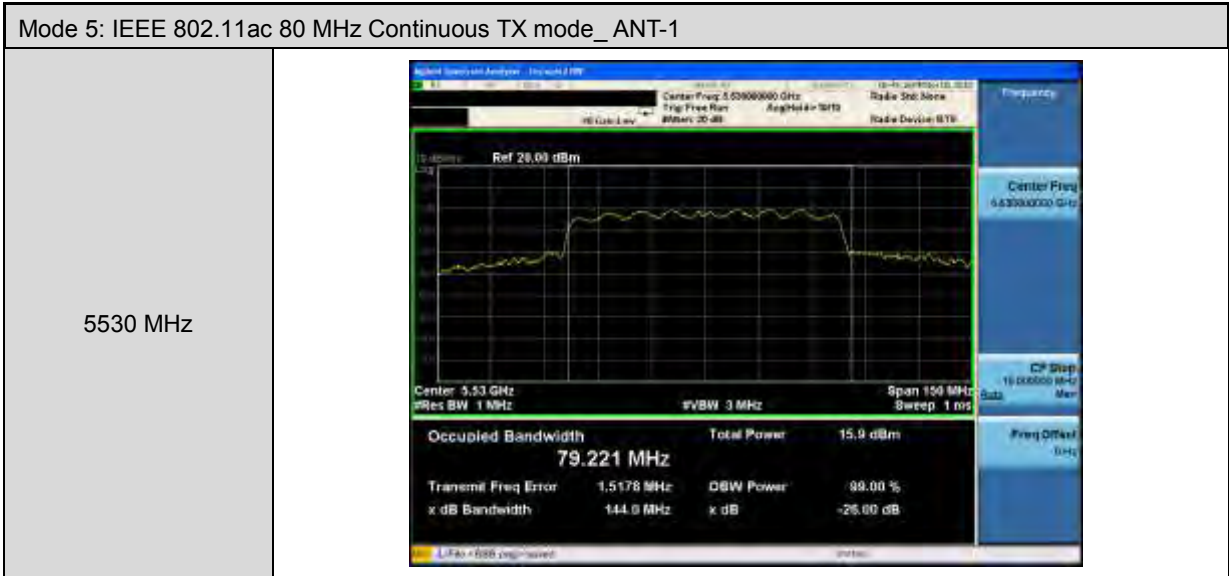
5270 MHz	 Ref 20.00 dBm Center 5.27 GHz Span 55 MHz Res BW 1 MHz VBW 3 MHz Sweep 1 ms Occupied Bandwidth 37.212 MHz Total Power 13.2 dBm Transmit Freq Error -60.292 kHz OBW Power 99.00 % x dB Bandwidth 53.16 MHz x dB -26.00 dB Like a 600 megawatt
5310 MHz	 Ref 20.00 dBm Center 5.31 GHz Span 55 MHz Res BW 1 MHz VBW 3 MHz Sweep 1 ms Occupied Bandwidth 37.138 MHz Total Power 12.7 dBm Transmit Freq Error -40.989 kHz OBW Power 99.00 % x dB Bandwidth 53.09 MHz x dB -26.00 dB Like a 600 megawatt

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

5510 MHz	 Center Freq: 5.51000000 GHz Ref: 20.00 dBm Center: 5.51 GHz Res BW: 1 MHz Span: 55 MHz Sweep: 1 ms Occupied Bandwidth: 37.161 MHz Total Power: 12.7 dBm Transmit Freq Error: -4.876 kHz dBW Power: 99.00 % x dB Bandwidth: 53.67 MHz x dB: -26.00 dB
5550 MHz	 Center Freq: 5.55000000 GHz Ref: 20.00 dBm Center: 5.55 GHz Res BW: 1 MHz Span: 70 MHz Sweep: 1 ms Occupied Bandwidth: 37.565 MHz Total Power: 14.0 dBm Transmit Freq Error: 5.324 kHz dBW Power: 99.00 % x dB Bandwidth: 68.73 MHz x dB: -26.00 dB
5670 MHz	 Center Freq: 5.67000000 GHz Ref: 20.00 dBm Center: 5.67 GHz Res BW: 1 MHz Span: 75 MHz Sweep: 1 ms Occupied Bandwidth: 37.981 MHz Total Power: 15.1 dBm Transmit Freq Error: -135.74 kHz dBW Power: 99.00 % x dB Bandwidth: 72.90 MHz x dB: -26.00 dB

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-1

5210 MHz	
5290 MHz	



5.5. 6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-0	Limit (kHz)
5745	16560	≥ 500
5785	16550	≥ 500
5825	16550	≥ 500

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	17780	17750	≥ 500
5785	17770	17760	≥ 500
5825	17780	17740	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	36530	36500	≥ 500
5795	36510	36480	≥ 500

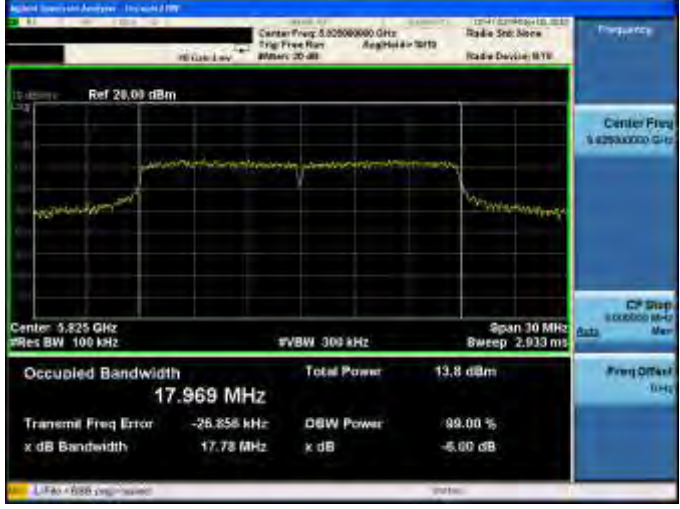
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	76170	75720	≥ 500

Test Graphs

Mode 2: IEEE 802.11a Link Mode_ ANT-0

5745 MHz	 Center Freq: 5.745 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 16.631 MHz Total Power: 13.4 dBm Transmit Freq Error: -58.586 kHz x dB Bandwidth: 16.55 MHz dBW Power: 99.00 % x dB: -6.00 dB
5785 MHz	 Center Freq: 5.785 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 16.651 MHz Total Power: 13.2 dBm Transmit Freq Error: -45.789 kHz x dB Bandwidth: 16.55 MHz dBW Power: 99.00 % x dB: -6.00 dB
5825 MHz	 Center Freq: 5.825 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 16.700 MHz Total Power: 13.1 dBm Transmit Freq Error: -42.355 kHz x dB Bandwidth: 16.55 MHz dBW Power: 99.00 % x dB: -6.00 dB

Mode 3: IEEE 802.11ac 20 MHz Link Mode_ANT-0

5745 MHz	 Center Freq: 5.745 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.898 MHz Total Power: 14.1 dBm Transmit Freq Error: -60.488 kHz x dB Bandwidth: 17.78 MHz
5785 MHz	 Center Freq: 5.785 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.837 MHz Total Power: 13.4 dBm Transmit Freq Error: -53.992 kHz x dB Bandwidth: 17.77 MHz
5825 MHz	 Center Freq: 5.825 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.969 MHz Total Power: 13.8 dBm Transmit Freq Error: -26.858 kHz x dB Bandwidth: 17.78 MHz

Mode 4: IEEE 802.11ac 40 MHz Link Mode_ANT-0

5755 MHz	 Center Freq: 5.755 GHz Res BW: 100 kHz Span: 50 MHz Sweep: 4.6 ns Occupied Bandwidth: 36.263 MHz Total Power: 13.4 dBm Transmit Freq Error: -60.843 kHz x dB Bandwidth: 36.53 MHz x dB: -6.00 dB
5795 MHz	 Center Freq: 5.795 GHz Res BW: 100 kHz Span: 50 MHz Sweep: 4.6 ns Occupied Bandwidth: 36.256 MHz Total Power: 13.2 dBm Transmit Freq Error: -37.684 kHz x dB Bandwidth: 36.51 MHz x dB: -6.00 dB

Mode 5: IEEE 802.11ac 80 MHz Link Mode_ANT-0

5775 MHz	 Center Freq: 5.775 GHz Res BW: 100 kHz Span: 100 MHz Sweep: 9.6 ns Occupied Bandwidth: 75.739 MHz Total Power: 13.1 dBm Transmit Freq Error: -62.775 kHz x dB Bandwidth: 76.17 MHz x dB: -6.00 dB
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Mode 3: IEEE 802.11ac 20 MHz Link Mode_ANT-1

5745 MHz	 Center Freq: 5.745 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.792 MHz Total Power: 11.9 dBm Transmit Freq Error: -61.233 kHz x dB Bandwidth: 17.75 MHz
5785 MHz	 Center Freq: 5.785 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.896 MHz Total Power: 11.8 dBm Transmit Freq Error: -50.375 kHz x dB Bandwidth: 17.75 MHz
5825 MHz	 Center Freq: 5.825 GHz Res BW: 100 kHz Span: 30 MHz Sweep: 2.033 ms Occupied Bandwidth: 17.773 MHz Total Power: 11.2 dBm Transmit Freq Error: -58.015 kHz x dB Bandwidth: 17.74 MHz

Mode 4: IEEE 802.11ac 40 MHz Link Mode_ANT-1

5755 MHz	 Center Freq: 5.755 GHz Res BW: 100 kHz Span: 50 MHz Sweep: 4.5 ns Occupied Bandwidth: 36.230 MHz Total Power: 12.1 dBm Transmit Freq Error: -62.570 kHz
5795 MHz	 Center Freq: 5.795 GHz Res BW: 100 kHz Span: 50 MHz Sweep: 4.5 ns Occupied Bandwidth: 36.241 MHz Total Power: 12.4 dBm Transmit Freq Error: -53.560 kHz

Mode 5: IEEE 802.11ac 80 MHz Link Mode_ANT-1

5775 MHz	 Center Freq: 5.775 GHz Res BW: 100 kHz Span: 100 MHz Sweep: 9.5 ns Occupied Bandwidth: 75.587 MHz Total Power: 13.2 dBm Transmit Freq Error: -50.600 kHz
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5.6. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	9.424	0.215	9.639	≤ 11
5200	9.395	0.215	9.610	
5240	9.392	0.215	9.607	
5260	9.192	0.215	9.407	
5280	9.375	0.215	9.590	
5320	9.187	0.215	9.402	
5500	8.798	0.215	9.013	
5560	9.220	0.215	9.435	
5700	9.281	0.215	9.496	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	0.56	0.215	7.76	≤ 30
5785	0.74	0.215	7.94	
5825	0.39	0.215	7.60	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.816	0.350	6.166	≤ 11
5200	5.966	0.350	6.316	
5240	6.052	0.350	6.402	
5260	6.084	0.350	6.434	
5280	6.019	0.350	6.369	
5320	5.757	0.350	6.107	
5500	5.913	0.350	6.263	
5560	5.966	0.350	6.316	
5700	5.983	0.350	6.333	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.875	0.350	6.225	≤ 11
5200	5.954	0.350	6.304	
5240	5.979	0.350	6.329	
5260	5.880	0.350	6.230	
5280	5.949	0.350	6.299	
5320	5.844	0.350	6.194	
5500	5.735	0.350	6.085	
5560	5.898	0.350	6.248	
5700	5.839	0.350	6.189	



Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
Conducted Power Spectral Density		
Frequency (MHz)	ANT-0+1	Limit (dBm/MHz)
	Calculated (dBm/MHz)	
5180.0	9.206	≤ 11
5200.0	9.320	
5240.0	9.376	
5260.0	9.344	
5280.0	9.345	
5320.0	9.161	
5500.0	9.185	
5560.0	9.293	
5700.0	9.272	

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	0.28	0.350	7.62	≤ 30
5785	0.44	0.350	7.78	
5825	0.19	0.350	7.53	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-0.67	0.350	6.67	≤ 30
5785	-0.31	0.350	7.03	
5825	-0.57	0.350	6.77	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	10.18			≤ 30
5785	10.43			
5825	10.18			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.409	0.604	6.013	≤ 11
5230	5.604	0.604	6.208	
5270	5.013	0.604	5.617	
5310	4.958	0.604	5.562	
5510	5.021	0.604	5.625	
5550	4.751	0.604	5.355	
5670	5.105	0.604	5.709	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.393	0.604	5.997	≤ 11
5230	5.299	0.604	5.903	
5270	5.022	0.604	5.626	
5310	4.839	0.604	5.443	
5510	4.966	0.604	5.570	
5550	5.409	0.604	6.013	
5670	5.318	0.604	5.922	
Conducted Power Spectral Density				
Frequency (MHz)	ANT-0+1			Limit
	(dBm/MHz)			
5190.0	9.015			≤ 11
5230.0	9.069			
5270.0	8.632			
5310.0	8.513			
5510.0	8.608			
5550.0	8.707			
5670.0	8.827			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-3.27	0.604	4.32	≤ 30
5795	-3.70	0.604	3.89	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-3.24	0.604	4.35	≤ 30
5795	-3.38	0.604	4.21	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	7.35			≤ 30
5795	7.07			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500 k/100 k)

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	2.805	0.969	3.774	≤ 11
5290	2.734	0.969	3.703	
5530	3.551	0.969	4.520	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	3.683	0.969	4.652	≤ 11
5290	3.787	0.969	4.756	
5530	4.848	0.969	5.817	
Conducted Power Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	7.246			≤ 11
5290.0	7.272			
5530.0	8.227			

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

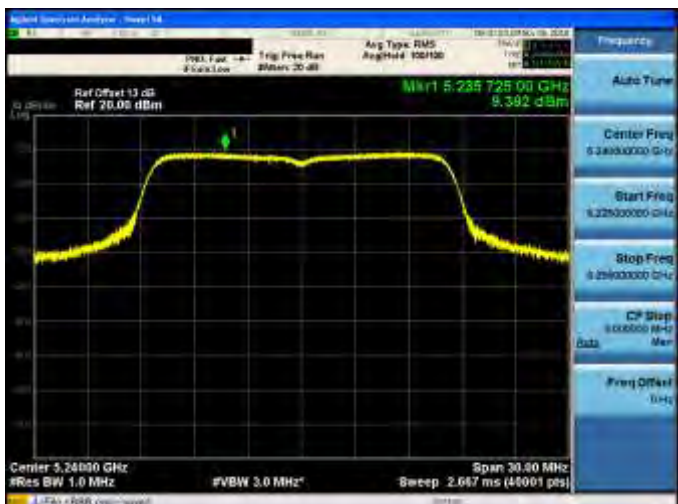
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-4.96	0.969	2.99	≤ 30
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-5.07	0.969	2.89	≤ 30
Frequency (MHz)	ANT-0+1			
	Calculated (dBm/500 kHz)			Limit (dBm/500 kHz)
5775	5.95			≤ 30

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

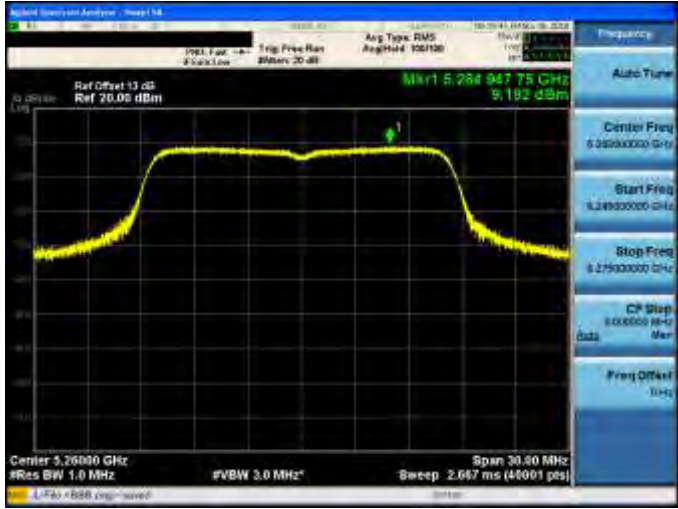
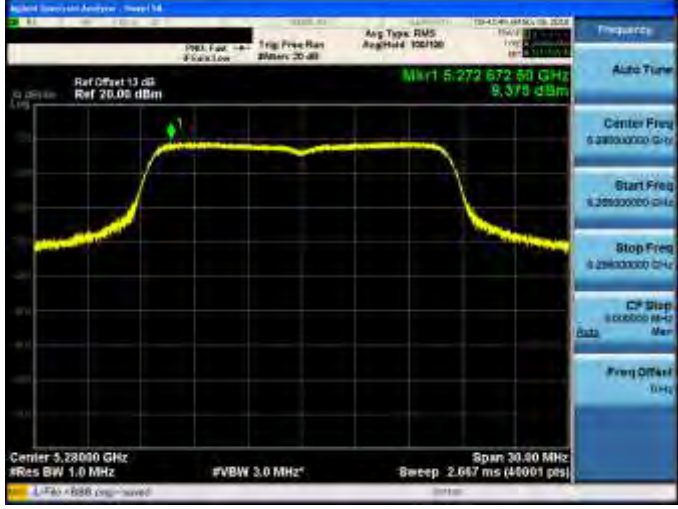
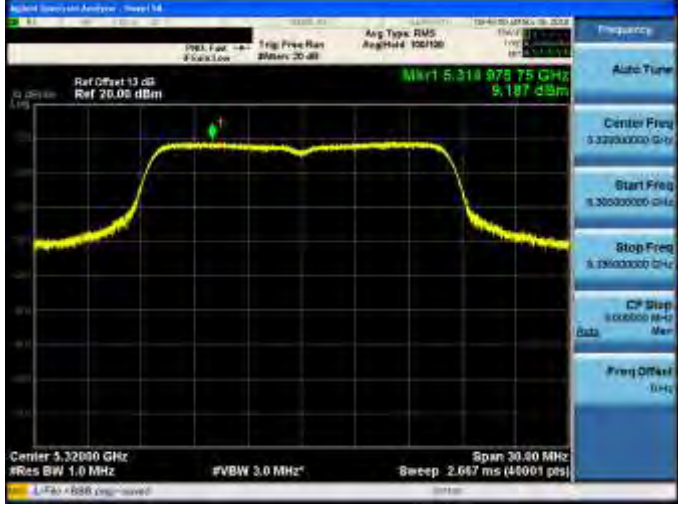
Conversion ratio = 10*Log(500 k/100 k)

Test Graphs

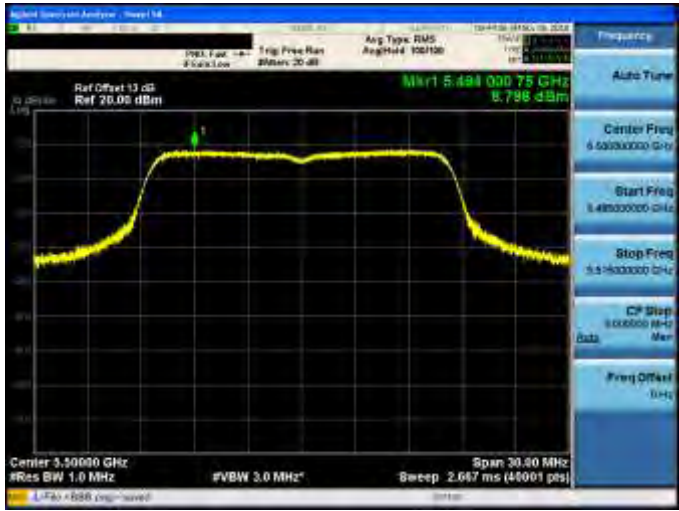
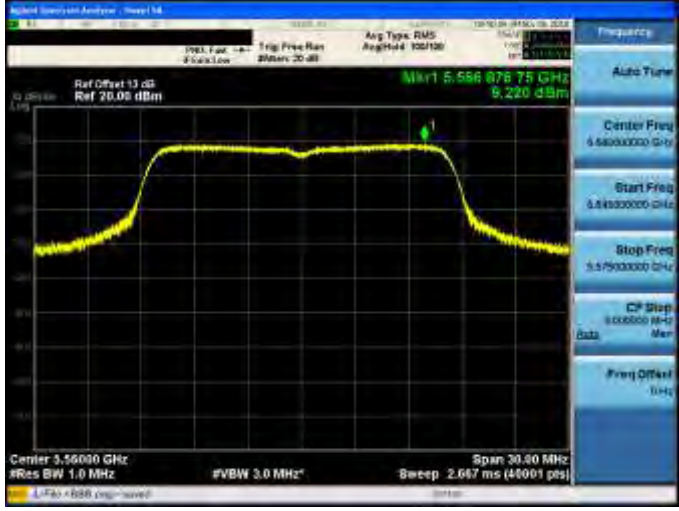
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5180 MHz	
5200 MHz	
5240 MHz	

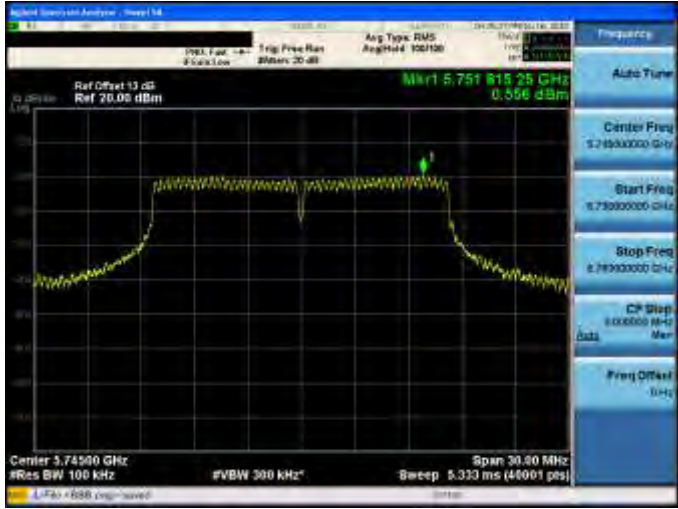
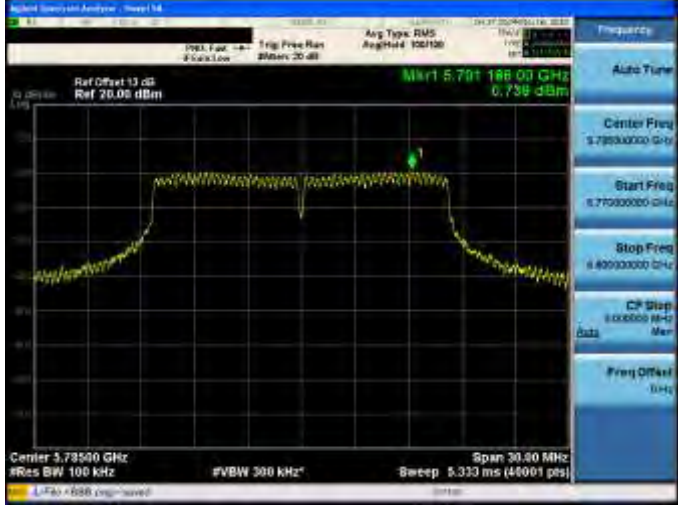
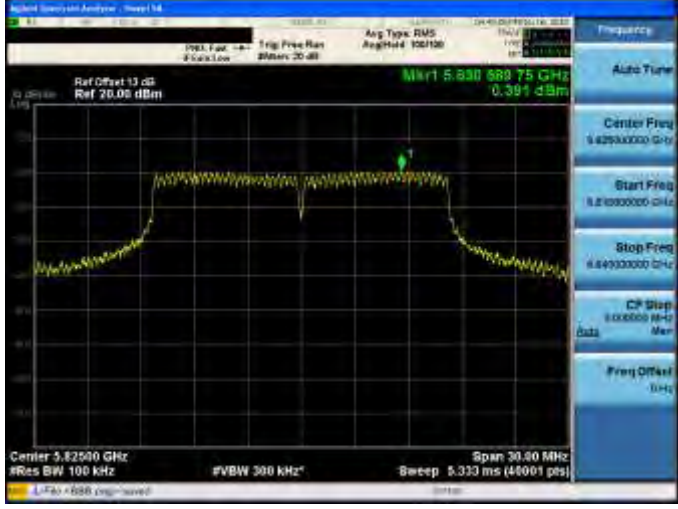
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5260 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.26094775 GHz 9.192 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Auto Tune Center Freq 5.26000000 GHz Start Freq 5.24900000 GHz Stop Freq 5.27000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz
5280 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.27267250 GHz 9.378 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Auto Tune Center Freq 5.28000000 GHz Start Freq 5.26900000 GHz Stop Freq 5.29000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz
5320 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.31897875 GHz 9.187 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Auto Tune Center Freq 5.32000000 GHz Start Freq 5.30900000 GHz Stop Freq 5.33000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz

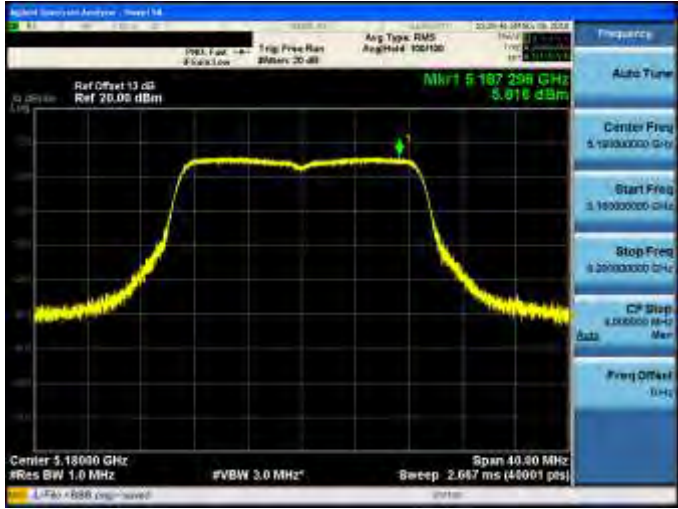
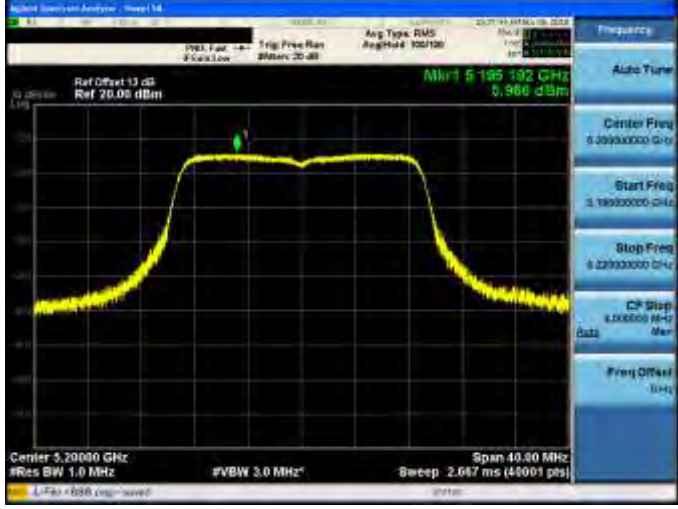
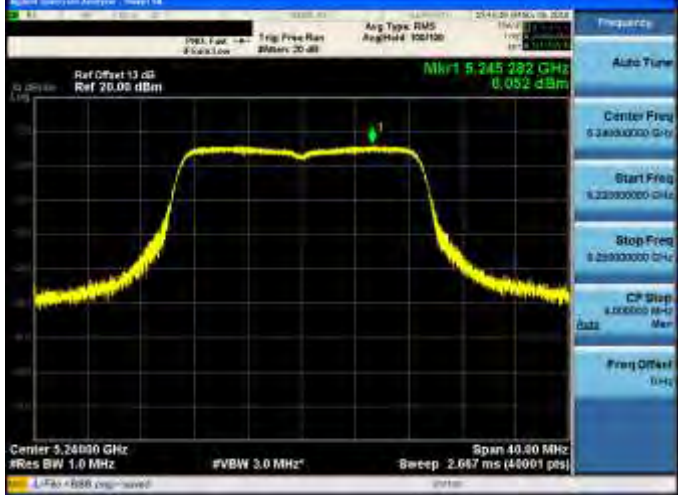
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5500 MHz	
5560 MHz	
5700 MHz	

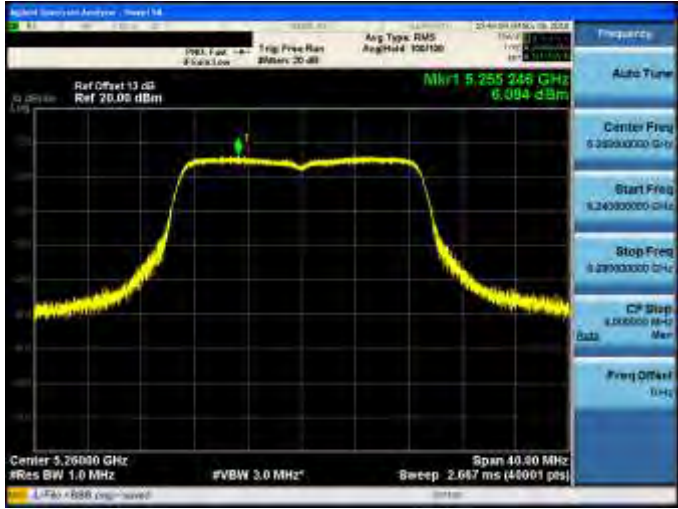
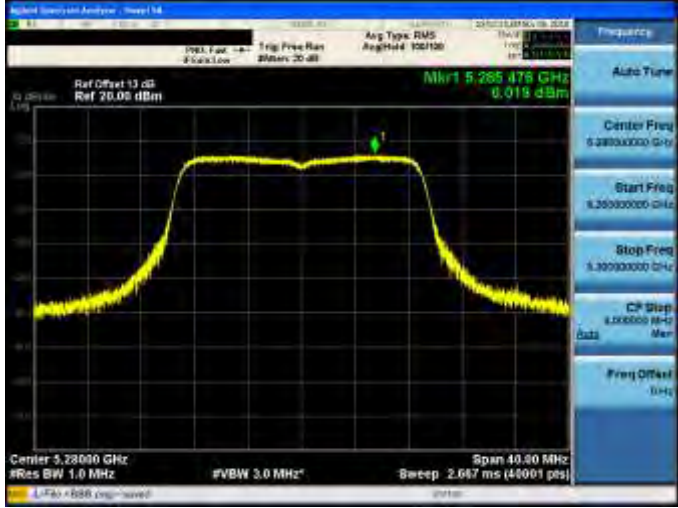
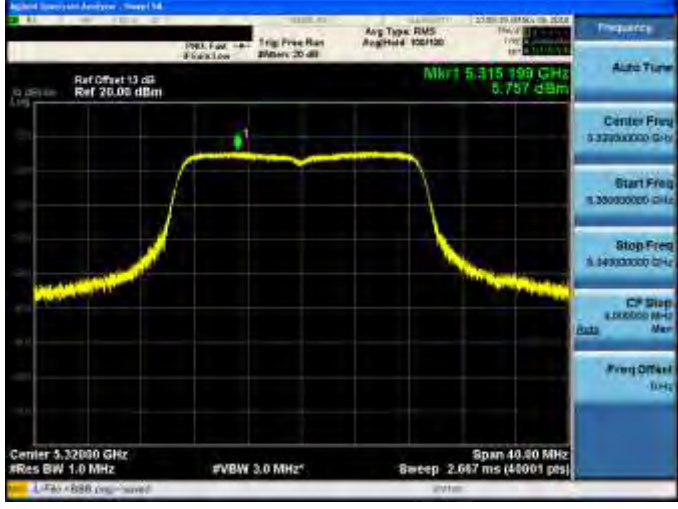
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

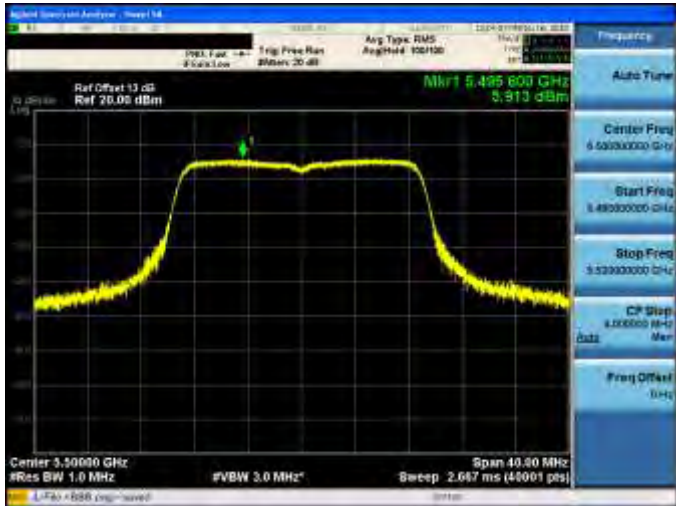
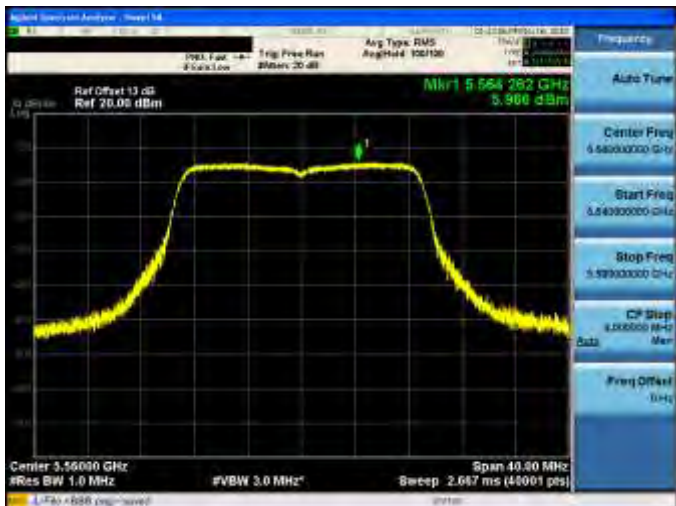
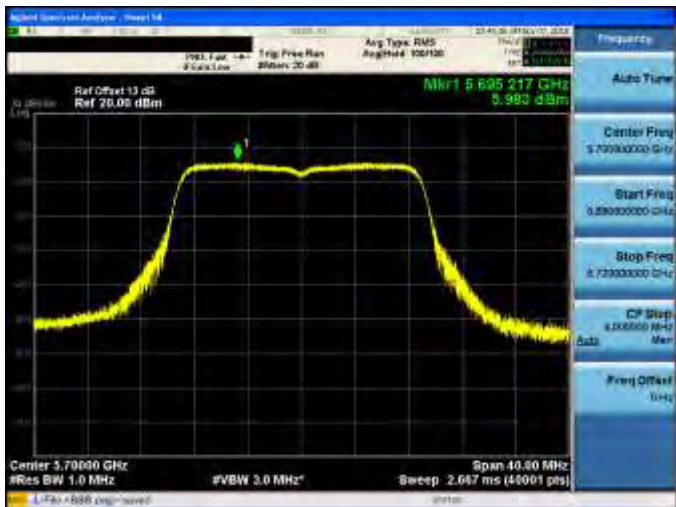
5745 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.75181525 GHz 0.556 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5785 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.79118800 GHz 0.738 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5825 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.83068875 GHz 0.391 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

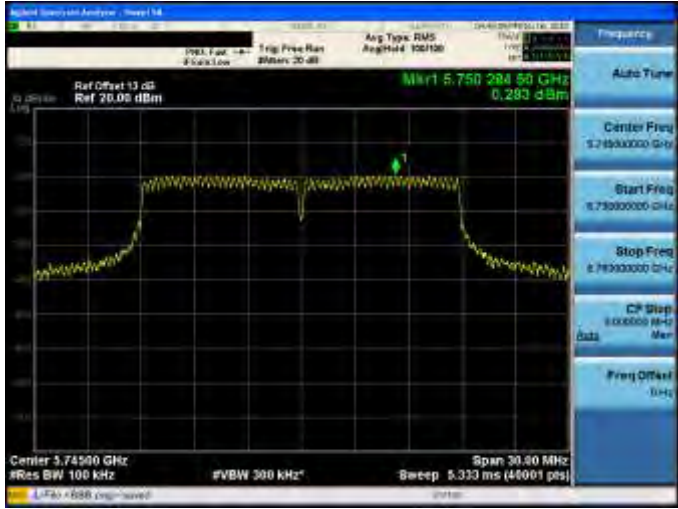
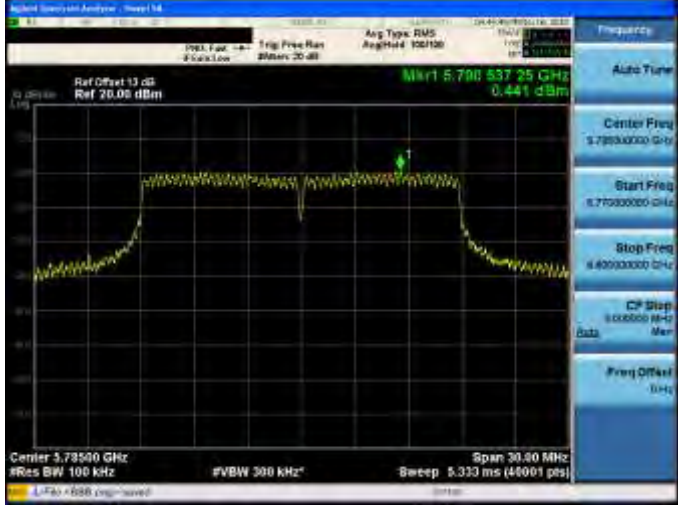
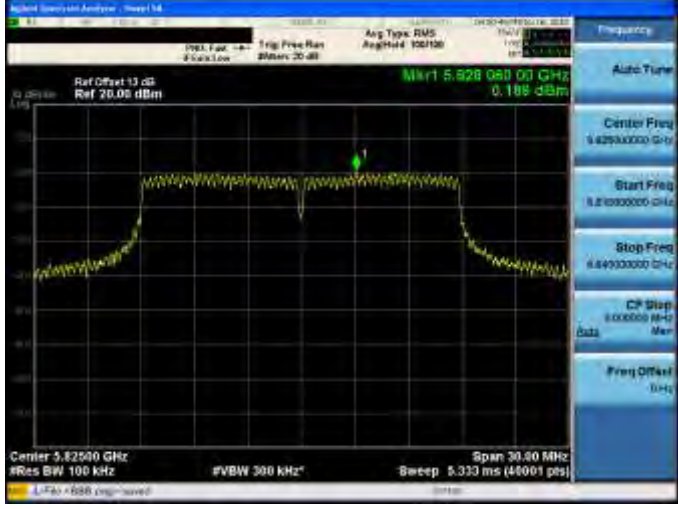
5180 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.180 298 GHz 5.016 dBm Center 5.180000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.1800000 GHz Start Freq 5.1600000 GHz Stop Freq 5.2000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5200 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.195 192 GHz 5.986 dBm Center 5.200000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.2000000 GHz Start Freq 5.1800000 GHz Stop Freq 5.2200000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5240 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.245 282 GHz 6.052 dBm Center 5.240000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.2400000 GHz Start Freq 5.2200000 GHz Stop Freq 5.2600000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

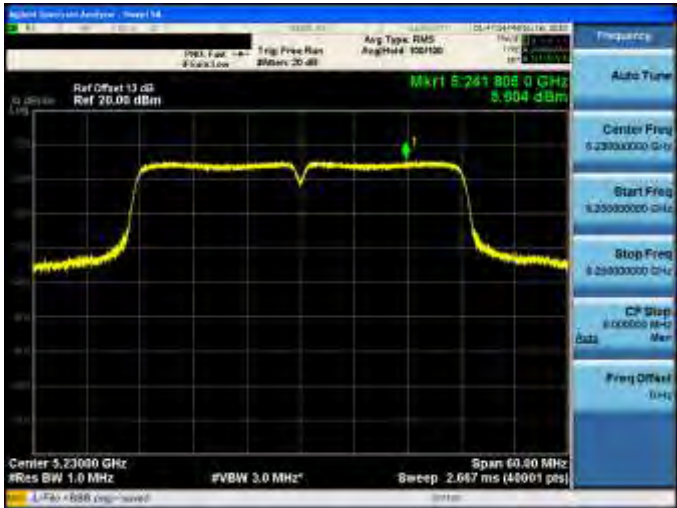
5260 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.260 246 GHz 6.094 dBm Center 5.26000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz
5280 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.280 476 GHz 6.019 dBm Center 5.28000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz
5320 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.315 199 GHz 6.757 dBm Center 5.32000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5500 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.495 800 GHz 3.913 dBm Center 5.50600 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.5000000 GHz Start Freq 5.4900000 GHz Stop Freq 5.5200000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5560 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.564 282 GHz 3.906 dBm Center 5.56000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.5600000 GHz Start Freq 5.5400000 GHz Stop Freq 5.5800000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5700 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1 5.695 217 GHz 3.990 dBm Center 5.70000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts) Span 40.00 MHz Auto Tune Center Freq 5.7000000 GHz Start Freq 5.6900000 GHz Stop Freq 5.7200000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz

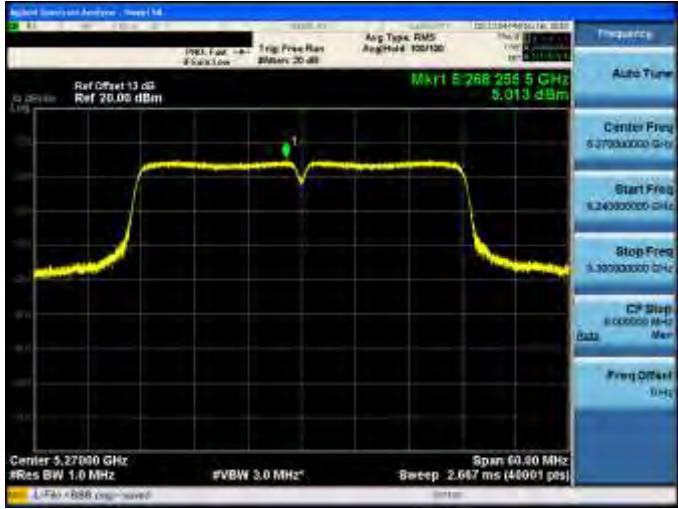
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0

5745 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.750 284.50 GHz 0.283 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5785 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.790 537.25 GHz 0.441 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz
5825 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.828 080.00 GHz 0.188 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CP Stop 5.00000 MHz Data Man Freq Offset 0 Hz

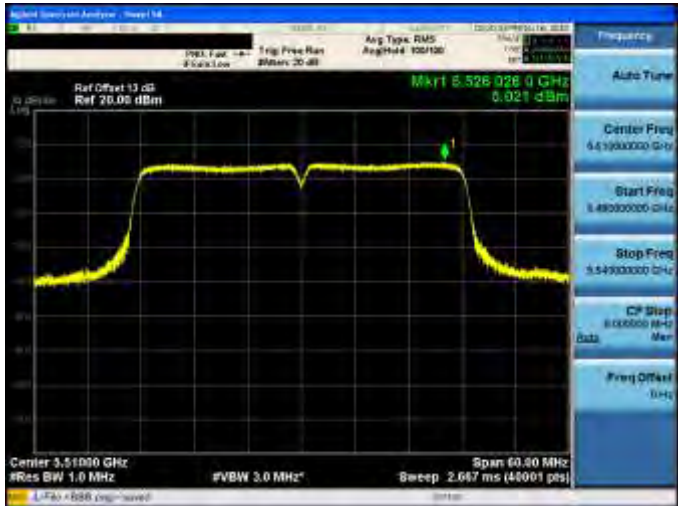
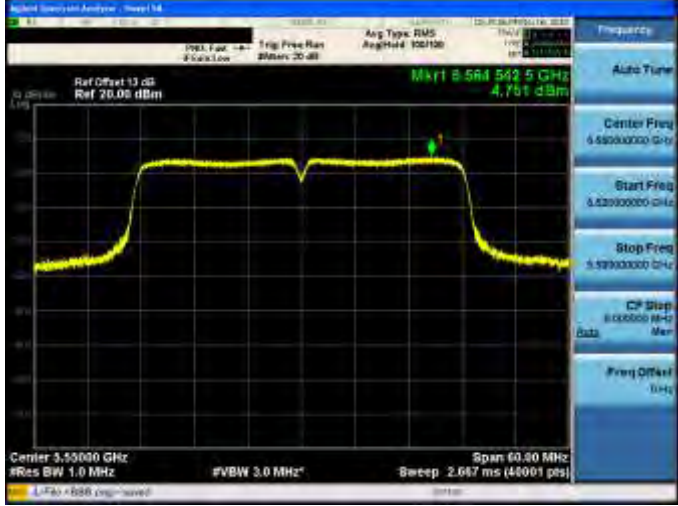
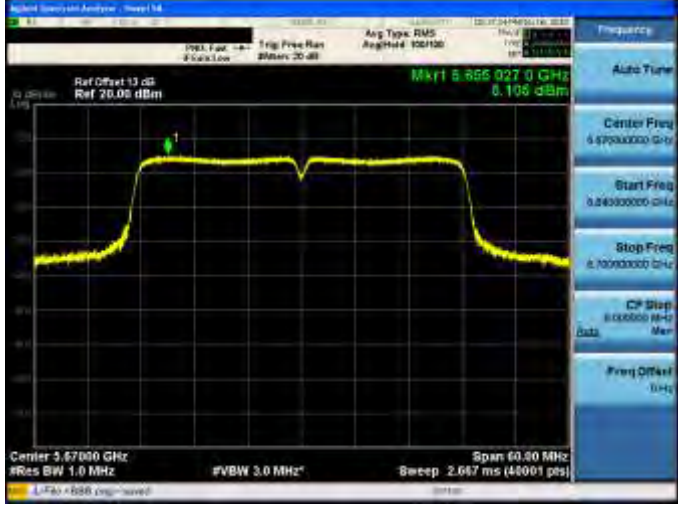


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5190 MHz	
5230 MHz	

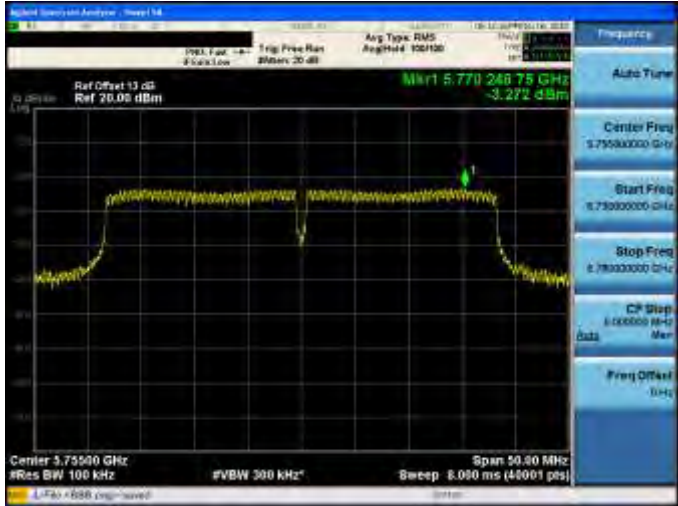
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

5270 MHz	
5310 MHz	

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

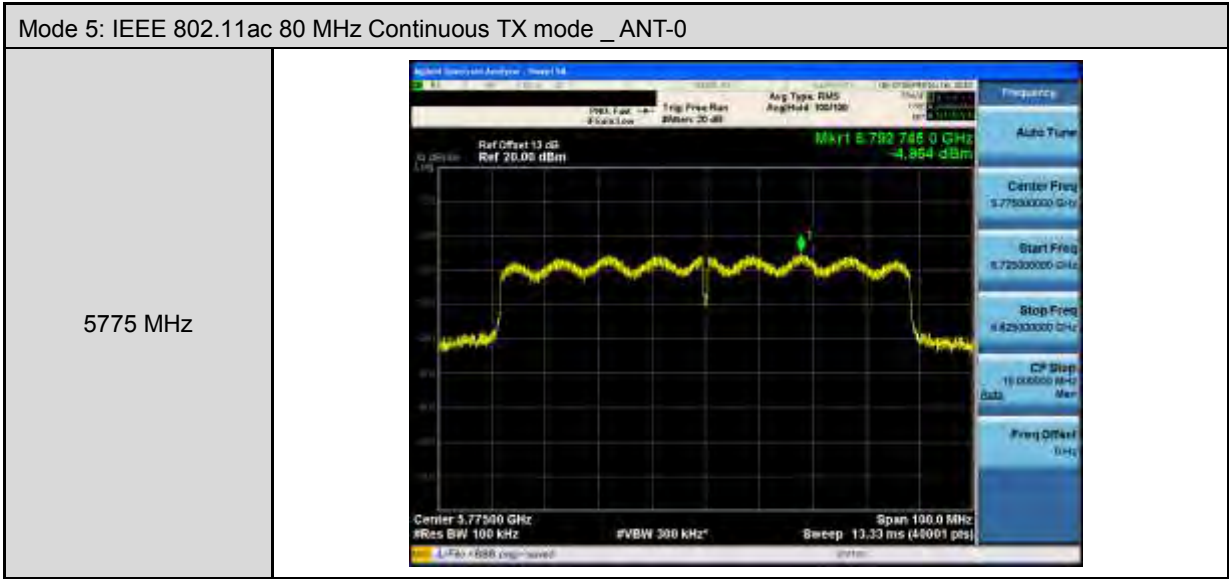
5510 MHz	
5550 MHz	
5670 MHz	

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-0

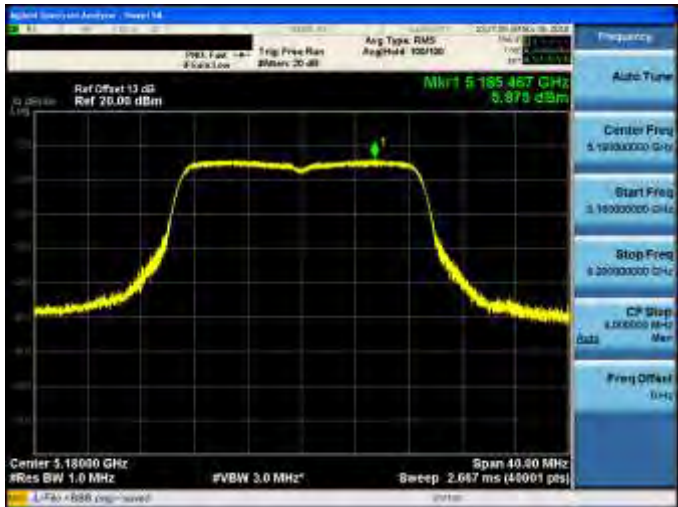
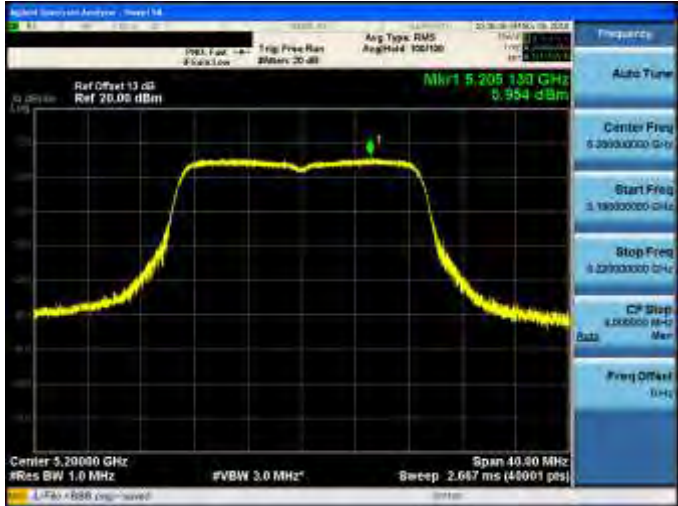
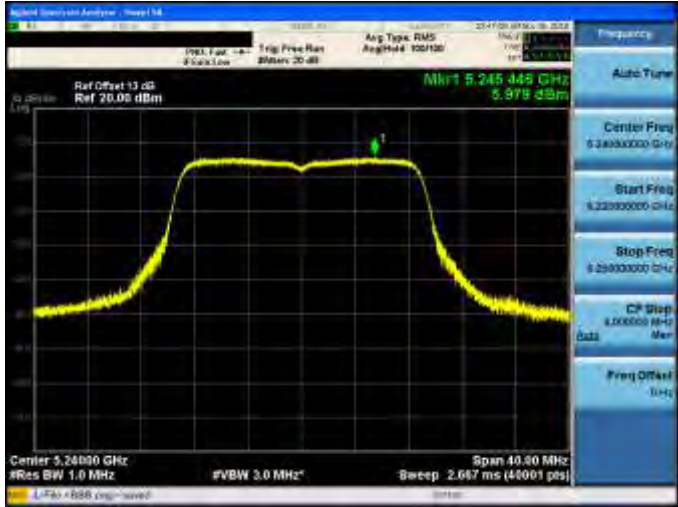
5755 MHz	
5795 MHz	

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

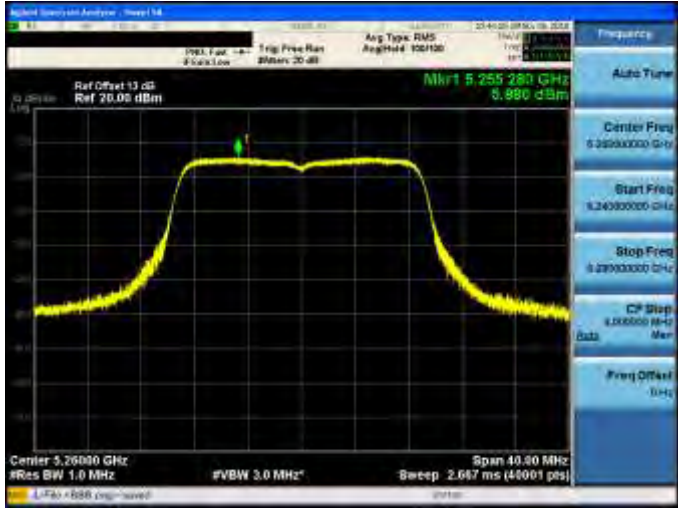
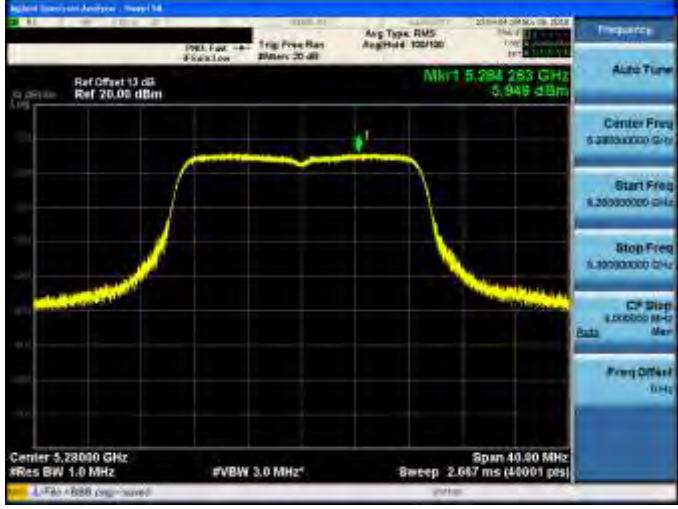
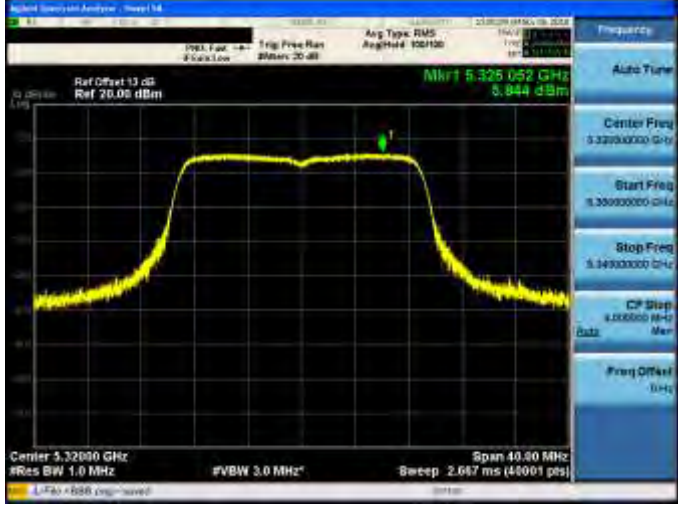
5210 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mark 5.227 000 GHz 2.806 dBm Center 5.21000 GHz #Res BW 3.0 MHz Sweep 2.647 ms (40001 pts)
5290 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mark 5.306 000 GHz 2.734 dBm Center 5.29000 GHz #Res BW 3.0 MHz Sweep 2.647 ms (40001 pts)
5530 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mark 5.548 000 GHz 3.551 dBm Center 5.53000 GHz #Res BW 3.0 MHz Sweep 2.647 ms (40001 pts)



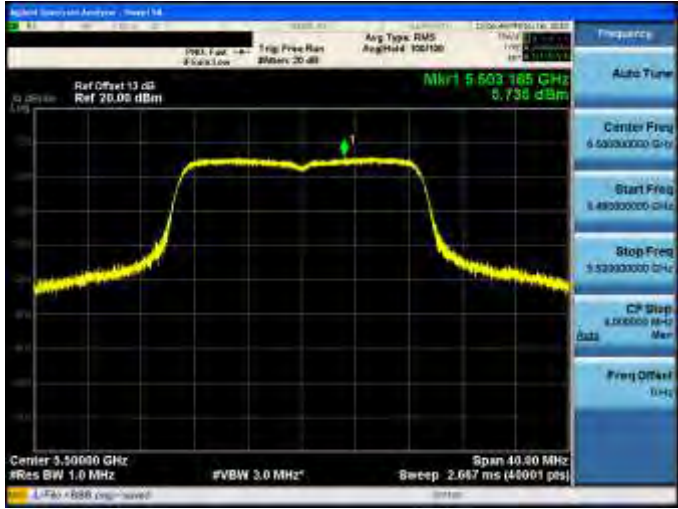
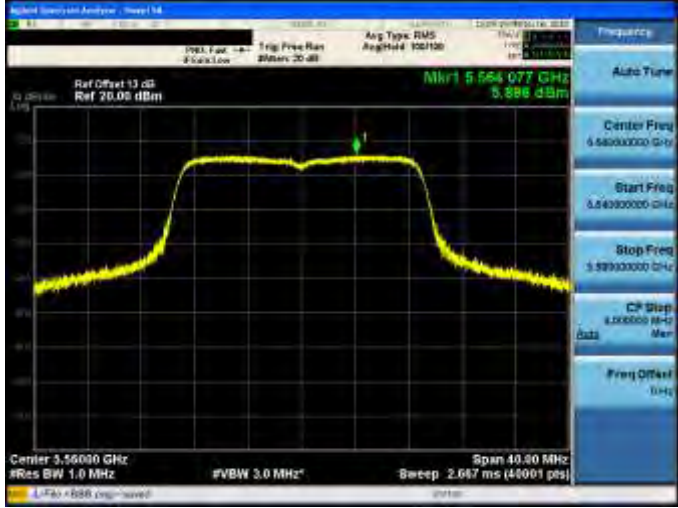
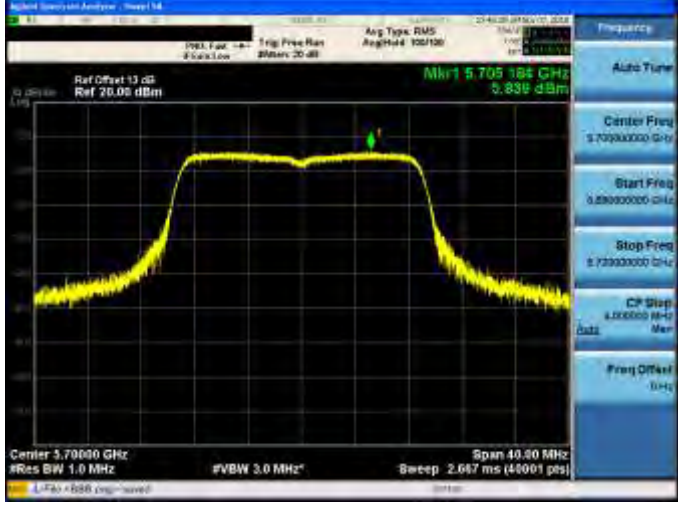
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5180 MHz	
5200 MHz	
5240 MHz	

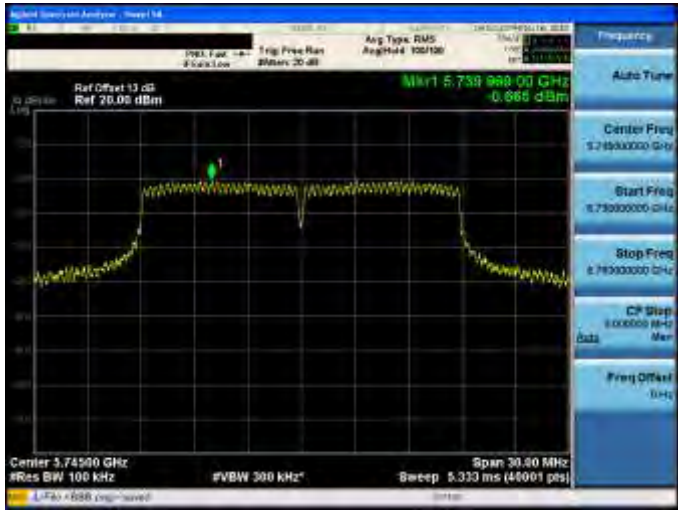
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5260 MHz	
5280 MHz	
5320 MHz	

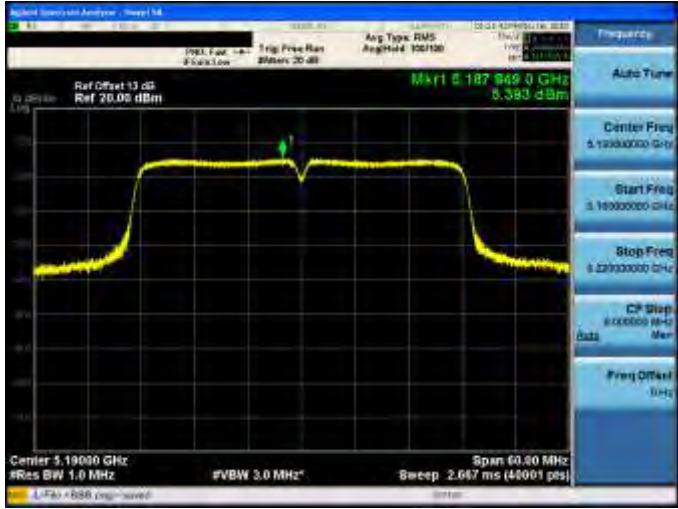
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5500 MHz	
5560 MHz	
5700 MHz	

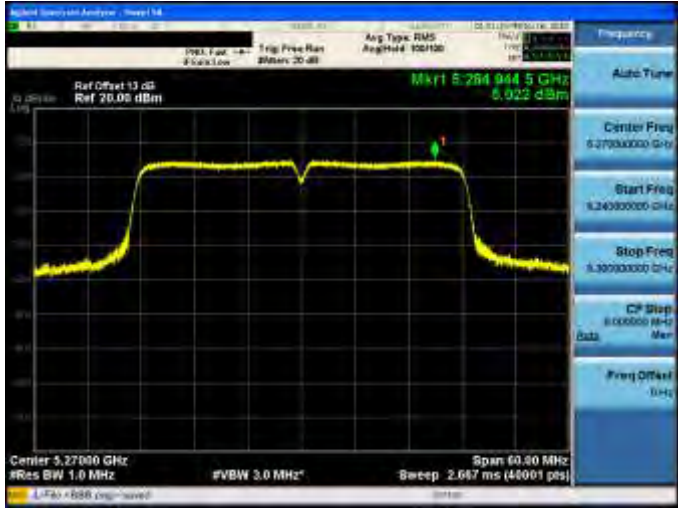
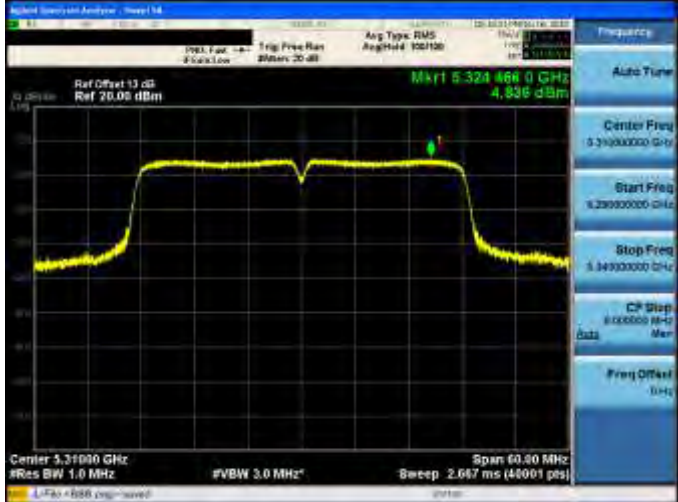
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5745 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.739 990 00 GHz 0.868 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz
5785 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.780 560 50 GHz 0.312 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz
5825 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.830 536 50 GHz 0.368 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Auto Tune Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CP Stop 0.00000 MHz Data Man Freq Offset 0 Hz

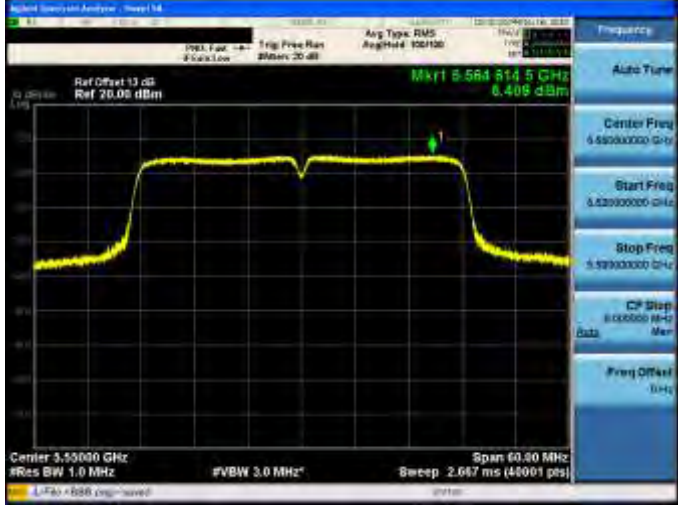
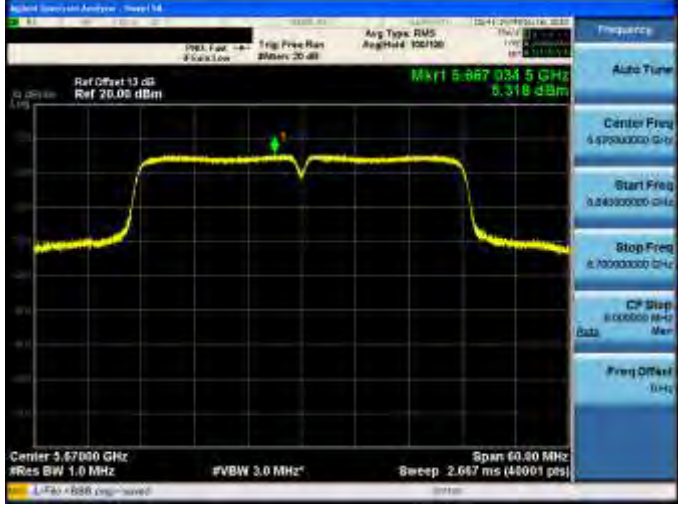
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

5190 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1: 5.187949 GHz, -38.93 dBm Center Freq: 5.190000 GHz Start Freq: 5.160000 GHz Stop Freq: 5.220000 GHz Span: 60.00 MHz Res BW: 1.0 MHz Sweep: 2.647 ms (40001 pts)
5230 MHz	 Ref Offset 13 dB Ref 20.00 dBm Marker 1: 5.231995 GHz, -38.98 dBm Center Freq: 5.230000 GHz Start Freq: 5.200000 GHz Stop Freq: 5.260000 GHz Span: 60.00 MHz Res BW: 1.0 MHz Sweep: 2.647 ms (40001 pts)

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

5270 MHz	
5310 MHz	

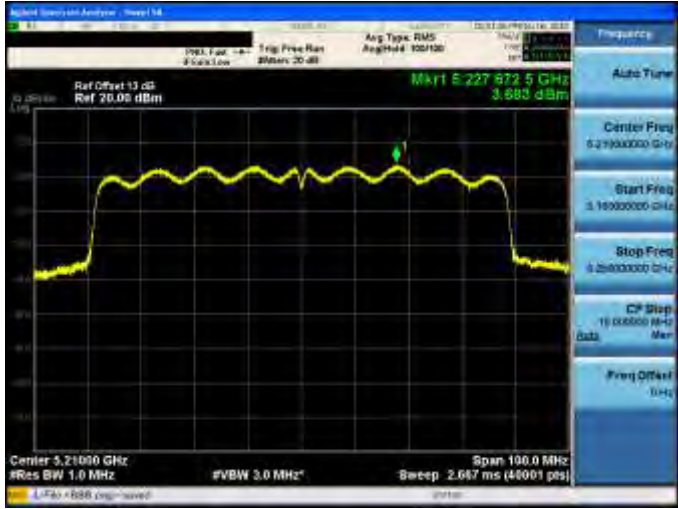
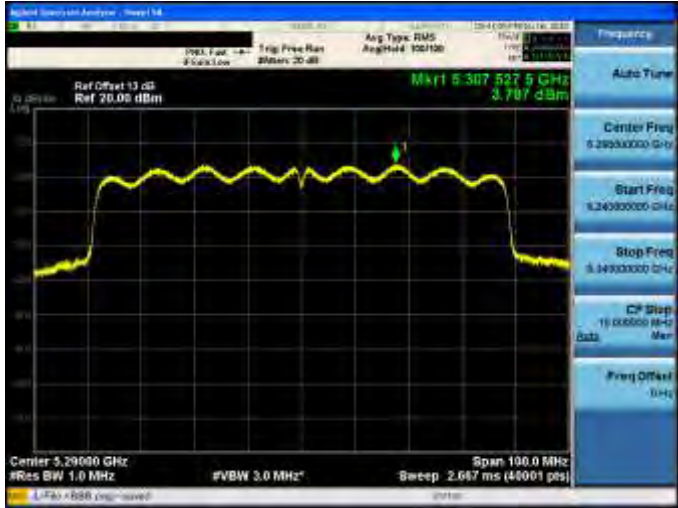
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1

5510 MHz	
5550 MHz	
5670 MHz	



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ ANT-1	
5755 MHz	
5795 MHz	

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

5210 MHz	
5290 MHz	



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1	
5530 MHz	
5775 MHz	

5.7. Frequency Stability Measurement

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vdc)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	0	5	5199.93858	-61420	-11.812	Pass
	10		5199.93765	-62350	-11.990	Pass
	20		5199.93632	-63680	-12.246	Pass
	30		5199.93522	-64780	-12.458	Pass
	40		5199.92971	-70290	-13.517	Pass
	50		5199.92871	-71290	-13.710	Pass
	60		5199.92541	-74590	-14.344	Pass
5280 MHz	0	5	5279.939511	-60489	-11.456	Pass
	10		5279.938178	-61822	-11.709	Pass
	20		5279.935095	-64905	-12.293	Pass
	30		5279.934861	-65139	-12.337	Pass
	40		5279.930541	-69459	-13.155	Pass
	50		5279.928789	-71211	-13.487	Pass
	60		5279.927432	-72568	-13.744	Pass
5560 MHz	0	5	5559.939517	-60483	-10.878	Pass
	10		5559.937145	-62855	-11.305	Pass
	20		5559.935325	-64675	-11.632	Pass
	30		5559.932489	-67511	-12.142	Pass
	40		5559.930179	-69821	-12.558	Pass
	50		5559.927859	-72141	-12.975	Pass
	60		5559.925147	-74853	-13.463	Pass
5785 MHz	0	5	5784.940517	-59483	-10.282	Pass
	10		5784.937174	-62826	-10.860	Pass
	20		5784.934635	-65365	-11.299	Pass
	30		5784.932362	-67638	-11.692	Pass
	40		5784.930365	-69635	-12.037	Pass
	50		5784.926157	-73843	-12.765	Pass
	60		5784.925136	-74864	-12.941	Pass

Note: The manufacturer's frequency stability specification is better than 20 ppm.

**Voltage Variations**

Frequency	Temp. (°C)	Voltage (Vdc)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	5.75	5199.936325	-63675	-12.245	Pass
		5.00	5199.936325	-63675	-12.245	Pass
		4.25	5199.936325	-63675	-12.245	Pass
5280 MHz	20	5.75	5279.935889	-64111	-12.142	Pass
		5.00	5279.935095	-64905	-12.293	Pass
		4.25	5279.936577	-63423	-12.012	Pass
5560 MHz	20	5.75	5559.935325	-64675	-11.632	Pass
		5.00	5559.935325	-64675	-11.632	Pass
		4.25	5559.933718	-66282	-11.921	Pass
5785 MHz	20	5.75	5784.934578	-65422	-11.309	Pass
		5.00	5784.934635	-65365	-11.299	Pass
		4.25	5784.934635	-65365	-11.299	Pass

Note: The manufacturer's frequency stability specification is better than 20 ppm.