

RF Test Report

Applicant : Ring LLC

Product Type : Video Doorbell 4

Trade Name : Ring

Model Number : 5D22E9

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

Received Date : Jan. 25, 2021

Test Period : Jan. 26 ~ Feb. 26, 2021

Issued Date : Mar. 09, 2021

Issued by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz
Test Firm MRA designation number: TW0010

Note:

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



Revision History

Rev.	Issued Date	Revisions	Revised By
00	Mar. 09, 2021	Initial Issue	Yu Chiang

Verification of Compliance

Applicant : Ring LLC
Product Type : Video Doorbell 4
Trade Name : Ring
Model Number : 5D22E9
FCC ID : 2AEUPBHARG071
EUT Rated Voltage : 8-24 Vac, 50/60 Hz, 200 mA
Test Voltage : AC 24 V / DC 3.65 V
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>



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

Approved By

: Fly Lu

(Manager)

(Fly Lu)

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1 General Information

1.1. Summary of Test Result

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

Decision Rule

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

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

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power		0.92 dB
RF Bandwidth		4.79 %
Power Spectral Density		0.92 dB
Duty Cycle		1.06 %
Time Occupancy		1.40 %



2 EUT Description

Applicant	Ring LLC 1523 26th Street, Santa Monica United States 90404			
Manufacturer	Ring LLC 1523 26th Street, Santa Monica United States 90404			
Product Type	Video Doorbell 4			
Trade Name	Ring			
Model No.	5D22E9			
FCC ID	2AEUPBHARG071			
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 – 5720	12
		U-NII Band III	5720 – 5825	5
	IEEE 802.11n 5 GHz 20 MHz	U-NII Band I	5180 – 5240	4
		U-NII Band II-A	5260 – 5320	4
		U-NII Band II-C	5500 – 5720	12
		U-NII Band III	5720 – 5825	5
Modulation Type	OFDM			
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)
	ANT-0(MAIN)	RFPCA491914EMLB301	PCB Antenna	5.22
	ANT-1(AUX)	RFPCA491910EMLB303	PCB Antenna	5.26
Antenna Delivery	Reference section 3.1			
Operate Temp. Range	-20 ~ +50 °C			



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.022
	U-NII Band II-A	0.023
	U-NII Band II-C	0.023
	U-NII Band III	0.022
IEEE 802.11n 5 GHz 20 MHz	U-NII Band I	0.021
	U-NII Band II-A	0.022
	U-NII Band II-C	0.022
	U-NII Band III	0.021

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 802.11n 5 GHz 20 MHz Continuous TX mode

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

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

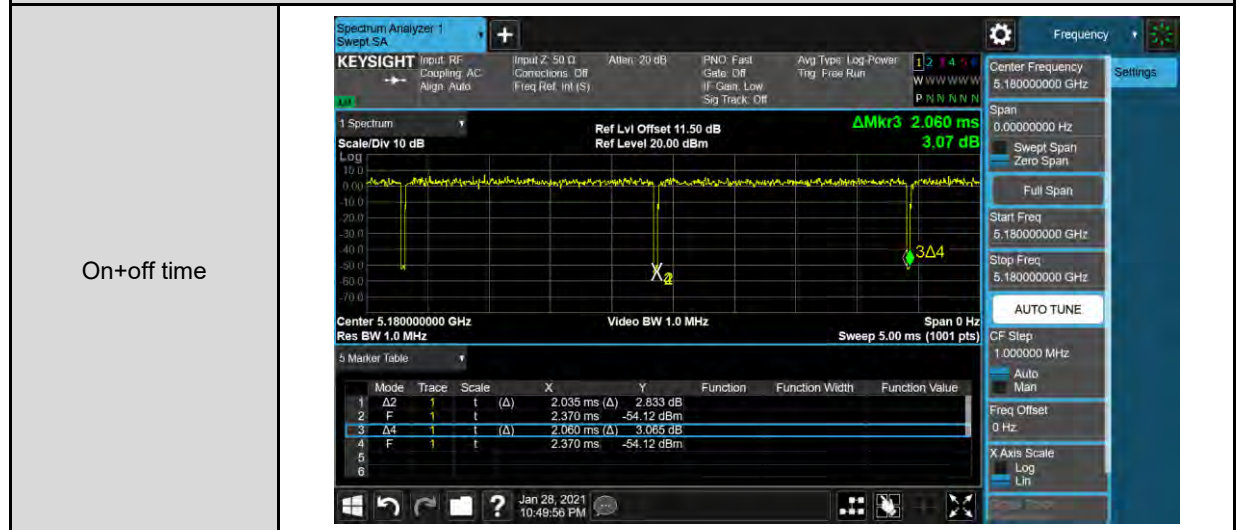
Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	1TX (Diversity)	6	U-NII Band I	36, 40, 48
			U-NII Band II-A	52, 56, 64
			U-NII Band II-C	100, 112, 140, 144
			U-NII Band III	144, 149, 157, 165
Mode 3	1TX (Diversity)	6.5	U-NII Band I	36, 40, 48
			U-NII Band II-A	52, 56, 64
			U-NII Band II-C	100, 112, 140, 144
			U-NII Band III	144, 149, 157, 165

Duty cycle

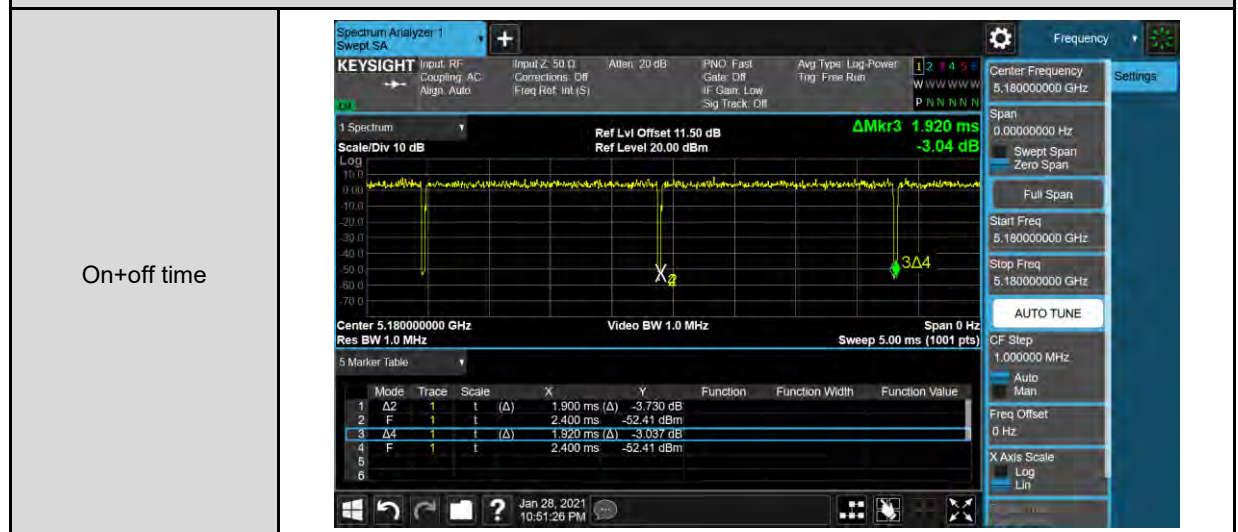
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	2.035	2.060	0.988	0.053	0.010
Mode 3	5180.0	1.900	1.920	0.990	0.045	0.010

Duty Cycle Graphs

Mode 2: IEEE 802.11a Continuous TX mode



Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode





3.2. EUT Test Step

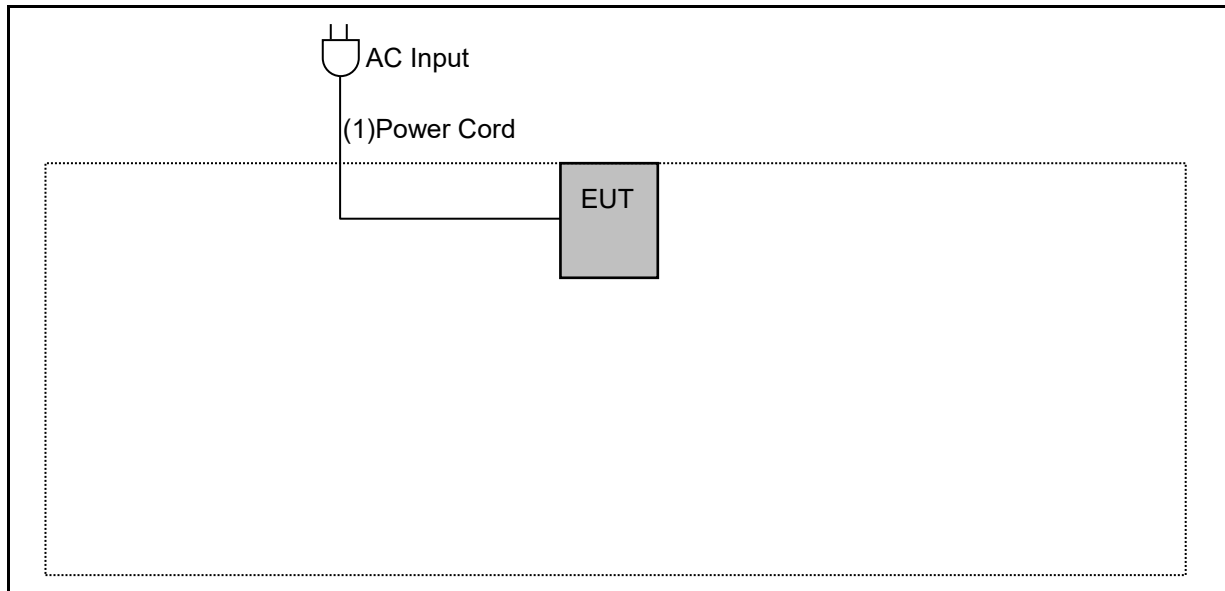
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

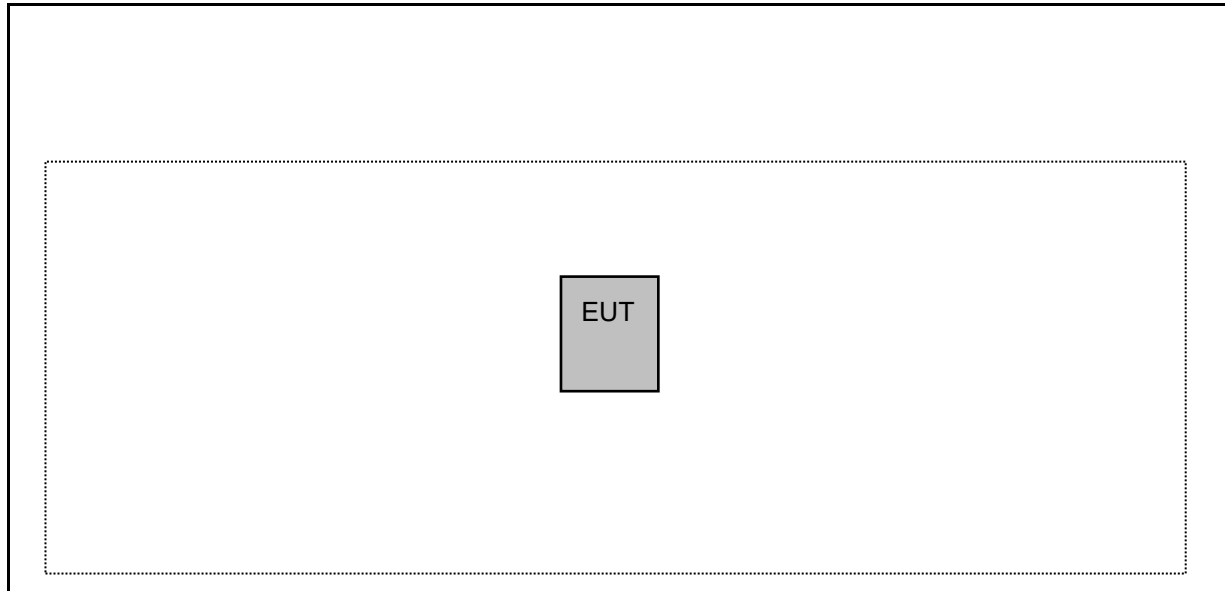
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Power Cord	BAOHING	ATL-002	--	--



3.4. Test Instruments

For Conducted Emission

Test Period: Jan. 29 ~ Feb. 21, 2021

Testing Engineer: Louis Shen, Andy Lu, Peter Liu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/25/2020	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/25/2020	1 year
LISN	R&S	ENV216	101040	03/23/2020	1 year
LISN	R&S	ENV216	101041	04/06/2020	1 year

For Radiated Emissions

Test Period: Jan. 26 ~ Feb. 26, 2021

Testing Engineer: Ricky Liu, Hung Chou, Brian Lin, Pink Li

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	04/14/2020	1 year
Pre Amplifier (1 kHz~1 GHz)	Titan	T0910E00014330A1F	001	07/23/2020	1 year
Pre Amplifier (1~26.5 GHz)	Titan	T0912E01263025A1F	002	07/23/2020	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/24/2020	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	02207	06/30/2020	1 year
Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/18/2020	1 year
Coaxial Cable	Titan	T0710AT327A10A100	J11005	08/13/2020	1 year
Coaxial Cable	Titan	T0710AT327A10A900	J11004	08/13/2020	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/27/2020	1 year

For Conducted

Test Period: Jan. 28 ~ Feb. 26, 2021

Testing Engineer: Peter Liu, Peter Shui

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~26.5 GHz)	KEYSIGHT	N9010B	MY59071418	03/17/2020	1 year
Power Sensor	Agilent	N1921A	MY45241957	12/09/2020	1 year
Power Meter	Agilent	N1911A	MY45101619	12/09/2020	1 year

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



3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

4.1. AC Power Conducted Emission Measurement

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

Vertical Reference Ground Plane

40 cm

EUT

AE

80 cm

LISN

LISN

Test Receiver

Horizontal Ground Reference Plane

■ Test Procedure

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

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

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

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

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

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

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

EIRP (dBm)	Field Strength at 3 m(dBuV/m)
-27	68.3

(2)Limits of Radiated Emission Measurement

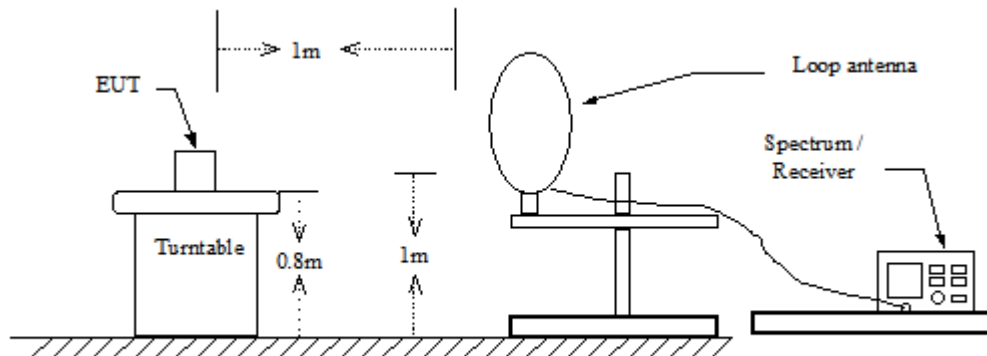
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

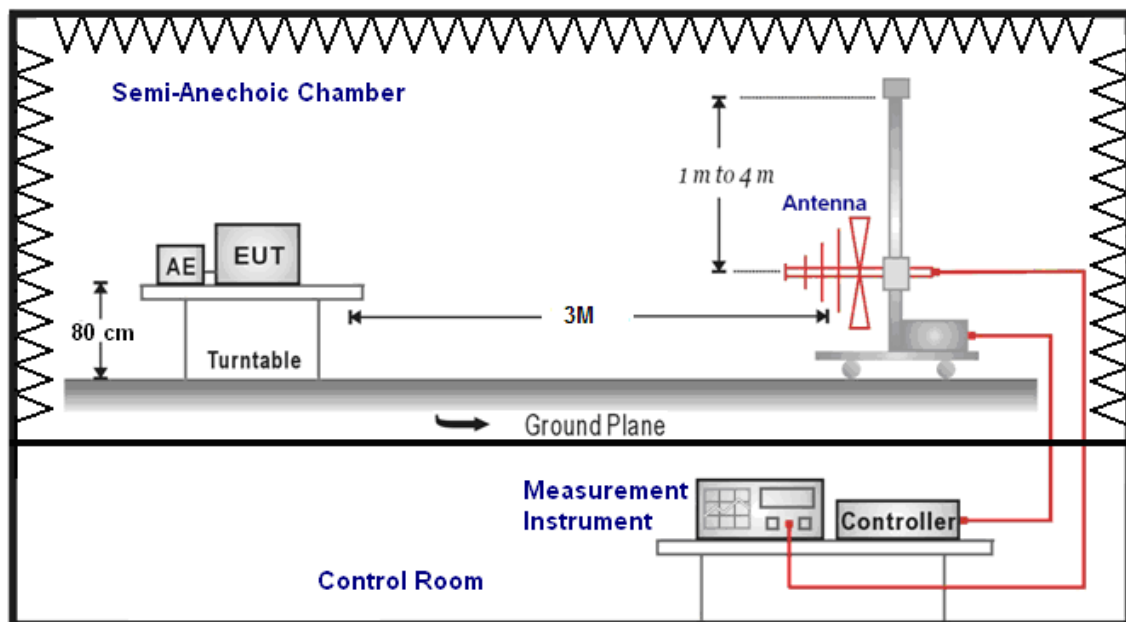
- Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not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

■ Setup

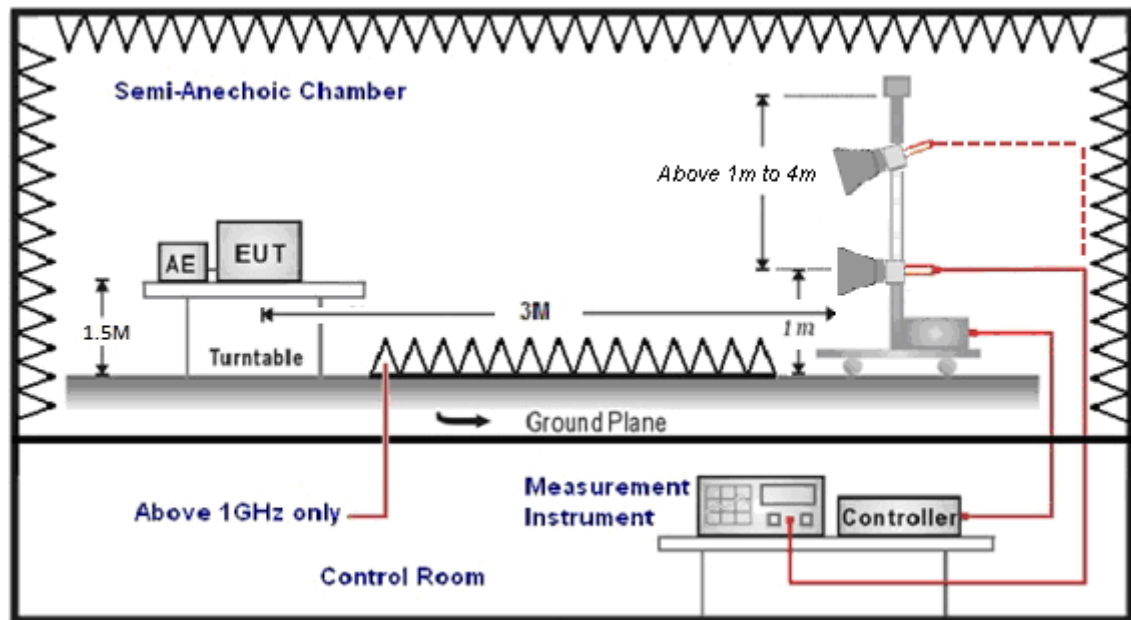
9 kHz ~ 30 MHz



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).

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

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

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)

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

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

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

Measuring Instruments and setting

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

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

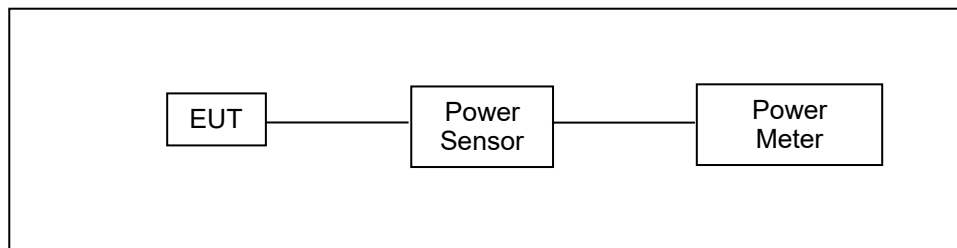
4.3. Maximum Conducted Output Power Measurement

■ Limit

Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit
	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,

■ Test Setup



■ Test Procedure

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

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

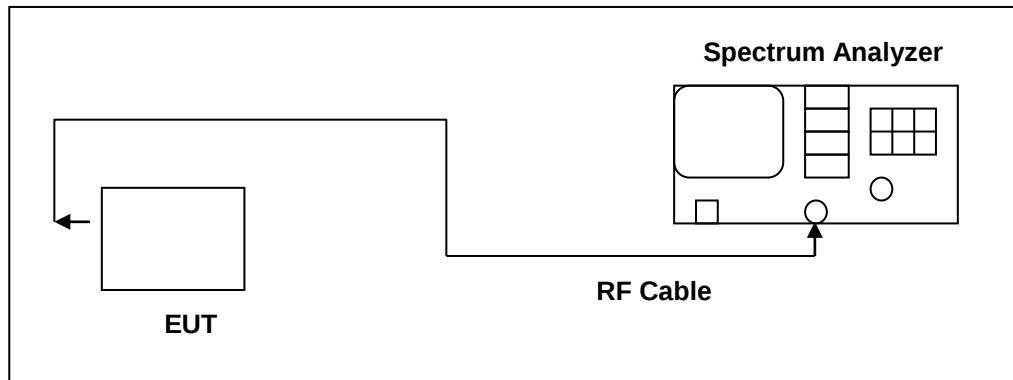
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.4.1 Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

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

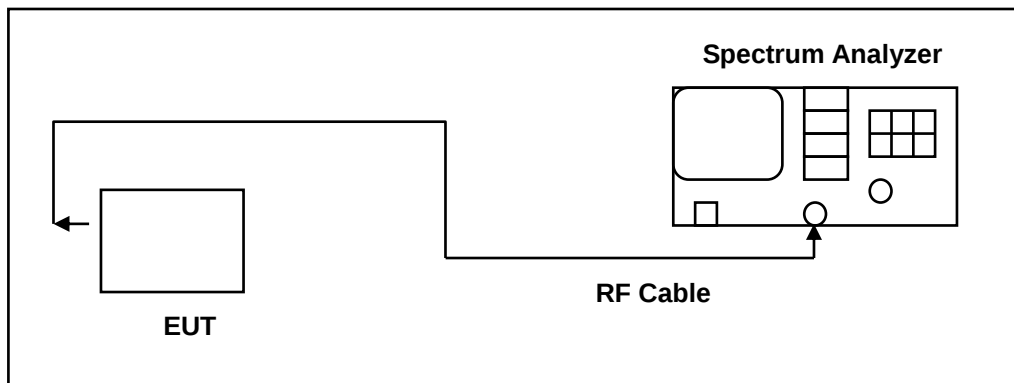
4.5. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth

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

■ Test Setup



■ Test Procedure

6 dB RF Bandwidth

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

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

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

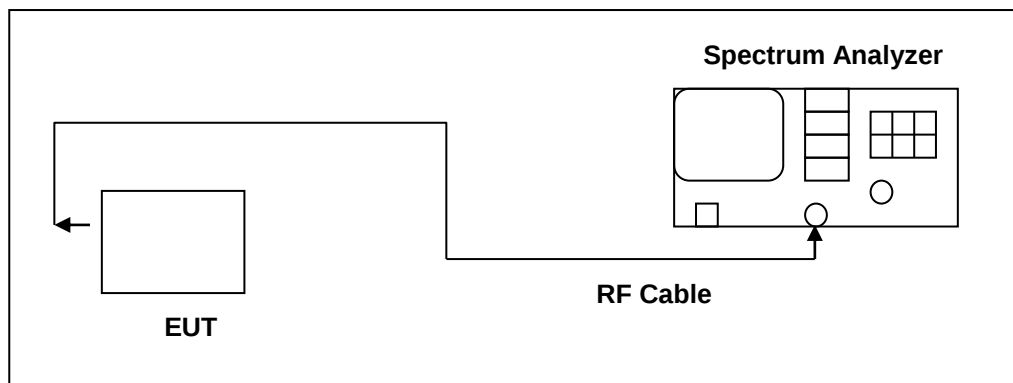
■ Limit

Conducted power spectral density

Frequency Range (MHz)	FCC Limit
	Client
5.150 ~ 5.250 GHz	11 dBm/MHz
5.250 ~ 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,

■ Test Setup





■ **Test Procedure**

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

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

4.7. Automatically discontinue transmission

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

■ Declare

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

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

4.8. Antenna Requirement

■ Limit

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.407 (a), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ Antenna Connector Construction

See section 2 – antenna information.

4.9. Dynamic Frequency Selection

4.9.1. Limits

§15.407 (h) and FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 Compliance measurement procedures for unlicensed-national information infrastructure devcies operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel			
Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation		
Requirement	Operational Mode	
	Master Device or Client With Radar Detection	Client without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client With Radar Detection	Client without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note : Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and a null frequencies between the bonded 20 MHz channel blocks		



Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection	
Maximum Transmit Power	Value (See Notes 1,2 and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and Power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to FCC KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values	
Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100 % of the U-NII 99 % transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5: Short Pulse Radar Test Waveforms					
Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60 %	30
2	1-5	150-230	23-29	60 %	30
3	6-10	200-500	16-18	60 %	30
4	11-20	200-500	12-16	60 %	30
Aggregate (Radar Types 1-4)				80 %	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					



Table 5a: Pulse Repetition Intervals Values for Test A		
Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

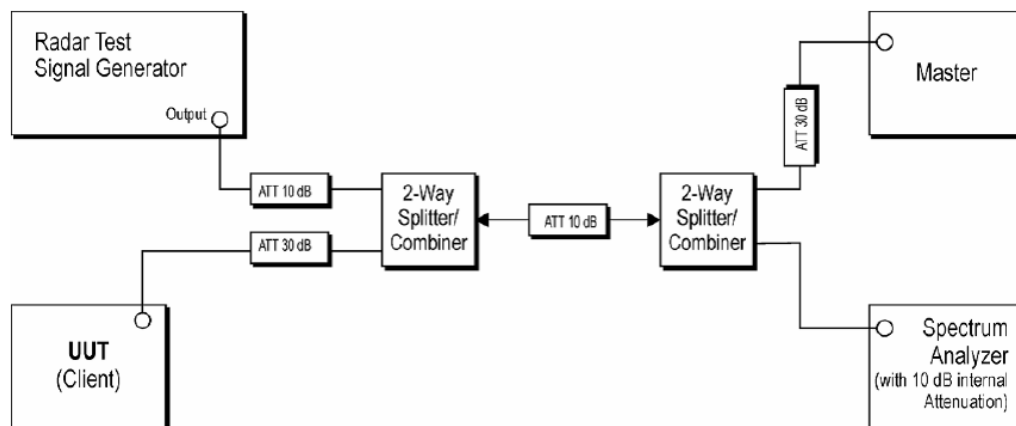
Table 6 – Long Pulse Radar Test Signal							
Radar Waveform	Bursts	Pulses per Burst	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Minimum Percentage of Successful Detection	Minimum Trials
5	8-20	1-3	50-100	5-20	1000-2000	80 %	30

Table 7 – Frequency Hopping Radar Test Signal							
Radar Waveform	Pulse Width (µsec)	PRI (µsec)	Burst Length (ms)	Pulses per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	0.333	70 %	30

4.10. Test and Measurement System

4.10.1. Setup for Client with injection at the Master

Example Radiated Setup where UUT is a Client and Radar Test Waveforms are injected into the Master



Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model No.	ID
1.	Netgear Access Point	Netgear	R7800	FCC : PY315100319

4.10.2. System Calibration

The short pulse types 0,1,2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time. The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the May 2014 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 The frequency of the signal generator is incremented in 1 MHz steps from FL to FH for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

4.10.3. System Calibration

The Interference Radar Detection Threshold Level is (-64 dBm), The above equipment setup was used to calibrate the radiated Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50 ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3 MHz.

The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was (-64 dBm). Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

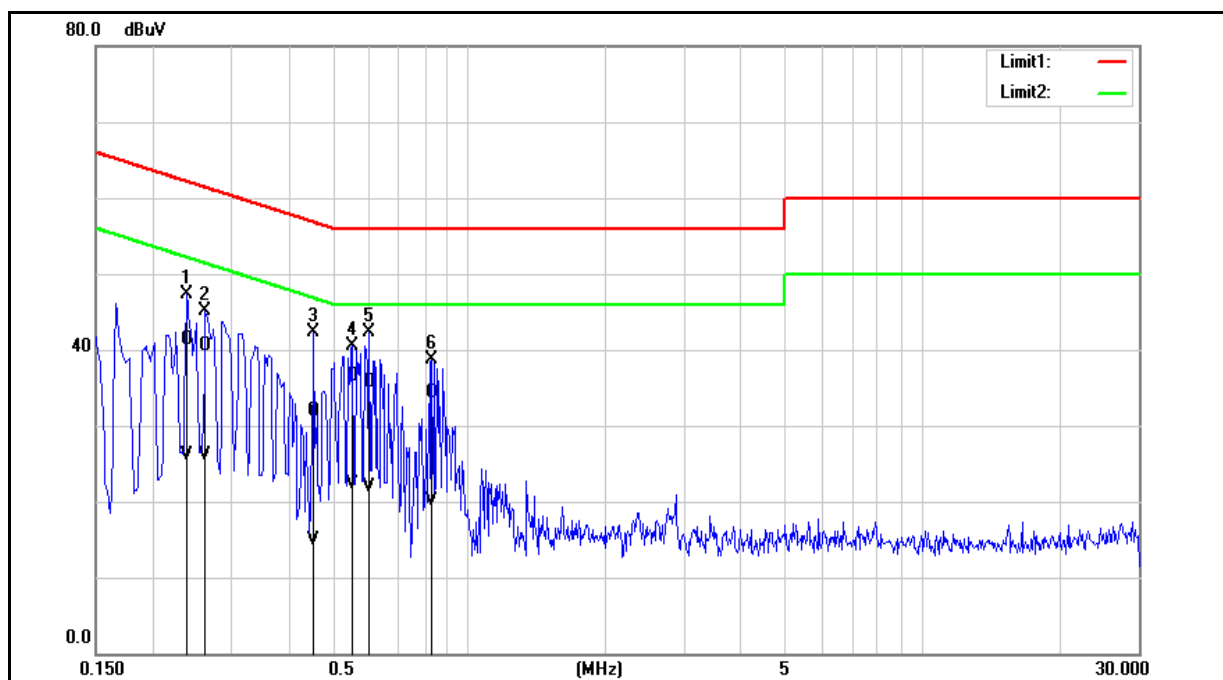
4.10.4. Adjustment of Displayed Traffic Level

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. Software to ping the client is permitted to simulate data transfer but must have random ping intervals. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

5 Test Results

Annex A. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 24 V
Mode:	Mode 1		
Description:			

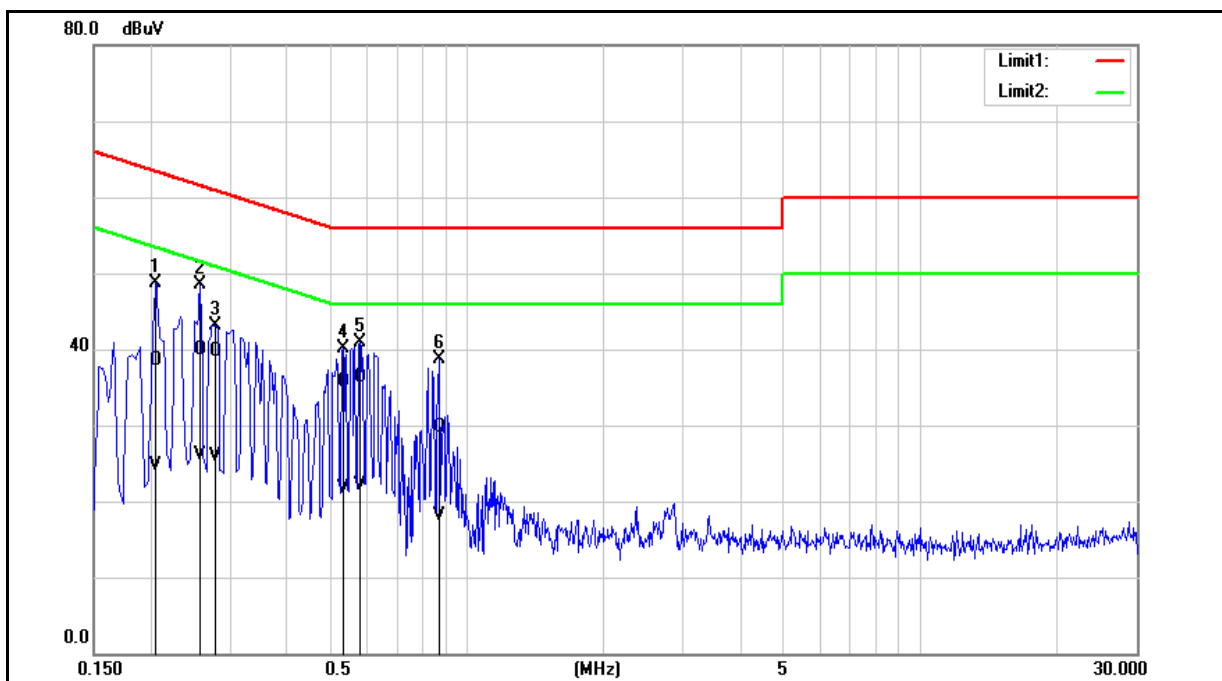


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2380	31.66	16.32	9.70	41.36	26.02	62.17	52.17	-20.81	-26.15	Pass
2	0.2620	30.87	16.42	9.70	40.57	26.12	61.37	51.37	-20.80	-25.25	Pass
3	0.4540	22.23	5.15	9.71	31.94	14.86	56.80	46.80	-24.86	-31.94	Pass
4	0.5540	26.76	12.50	9.71	36.47	22.21	56.00	46.00	-19.53	-23.79	Pass
5	0.6020	26.02	12.21	9.71	35.73	21.92	56.00	46.00	-20.27	-24.08	Pass
6	0.8300	24.52	10.44	9.71	34.23	20.15	56.00	46.00	-21.77	-25.85	Pass

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

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

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 24 V
Mode:	Mode 1		
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	0.2060	28.72	14.97	9.69	38.41	24.66	63.37	53.37	-24.96	-28.71	Pass
2	0.2580	30.26	16.47	9.69	39.95	26.16	61.50	51.50	-21.55	-25.34	Pass
3	0.2780	30.01	16.22	9.70	39.71	25.92	60.88	50.88	-21.17	-24.96	Pass
4	0.5340	26.10	12.04	9.70	35.80	21.74	56.00	46.00	-20.20	-24.26	Pass
5	0.5820	26.61	12.50	9.70	36.31	22.20	56.00	46.00	-19.69	-23.80	Pass
6	0.8700	20.00	8.47	9.70	29.70	18.17	56.00	46.00	-26.30	-27.83	Pass

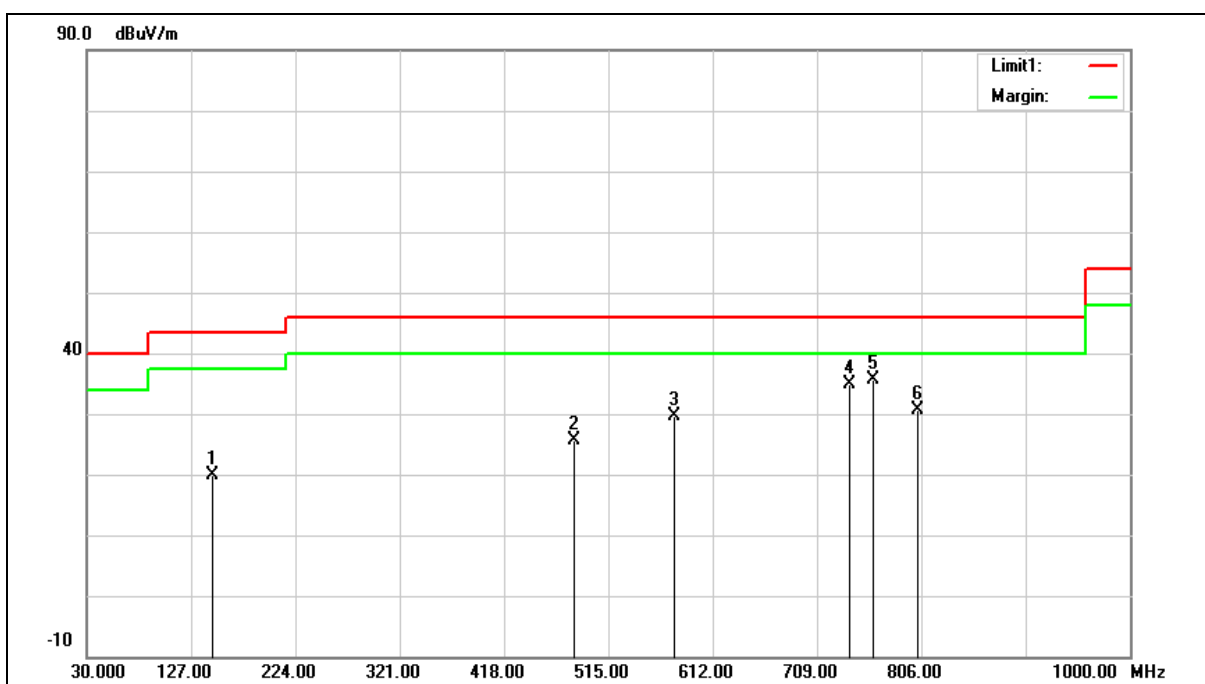
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

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

Annex B. Radiated Emission Measurement

Below 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	5320 MHz		
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	147.3700	44.31	-24.47	19.84	43.50	-23.66	QP
2	482.9900	45.54	-19.82	25.72	46.00	-20.28	QP
3	576.1100	47.43	-17.73	29.70	46.00	-16.30	QP
4	739.0700	50.38	-15.40	34.98	46.00	-11.02	QP
5	761.3800	50.80	-15.08	35.72	46.00	-10.28	QP
6	803.0900	45.03	-14.48	30.55	46.00	-15.45	QP

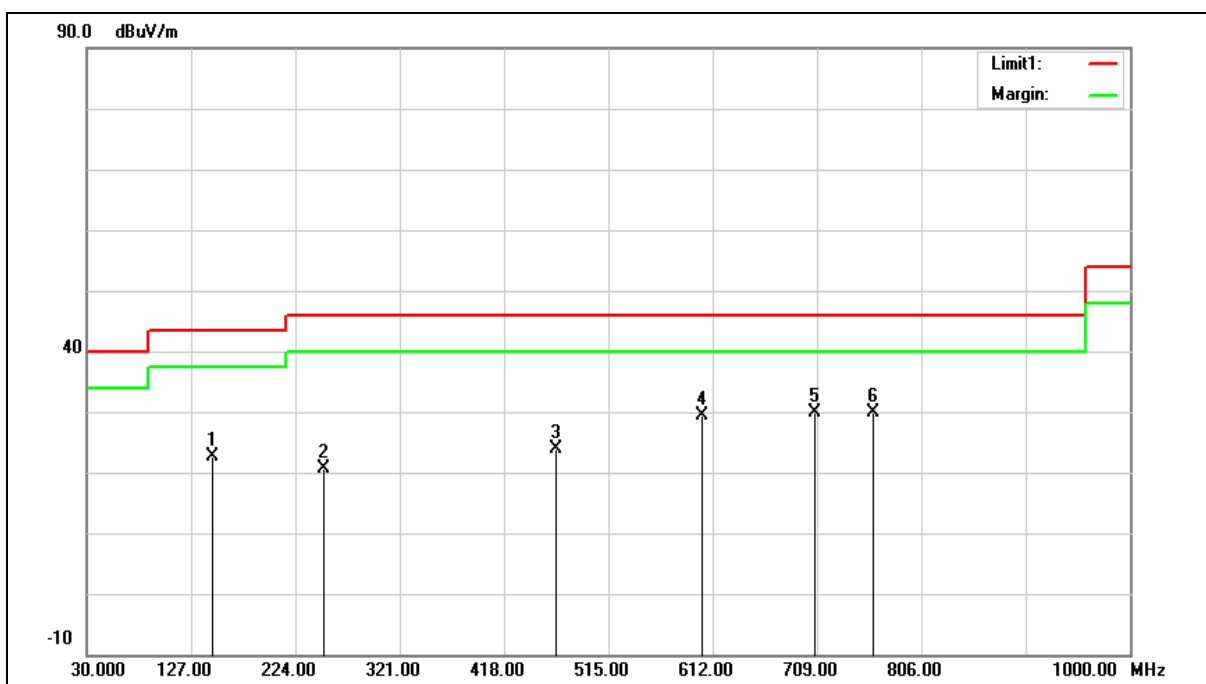
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $19.84 = -24.47 + 44.31$.

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	5320 MHz		
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	147.3700	47.08	-24.47	22.61	43.50	-20.89	QP
2	250.1900	45.96	-25.34	20.62	46.00	-25.38	QP
3	466.5000	43.79	-20.00	23.79	46.00	-22.21	QP
4	602.3000	46.59	-17.10	29.49	46.00	-16.51	QP
5	707.0600	45.71	-15.91	29.80	46.00	-16.20	QP
6	761.3800	45.02	-15.08	29.94	46.00	-16.06	QP

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

Example: $22.61 = -24.47 + 47.08$.

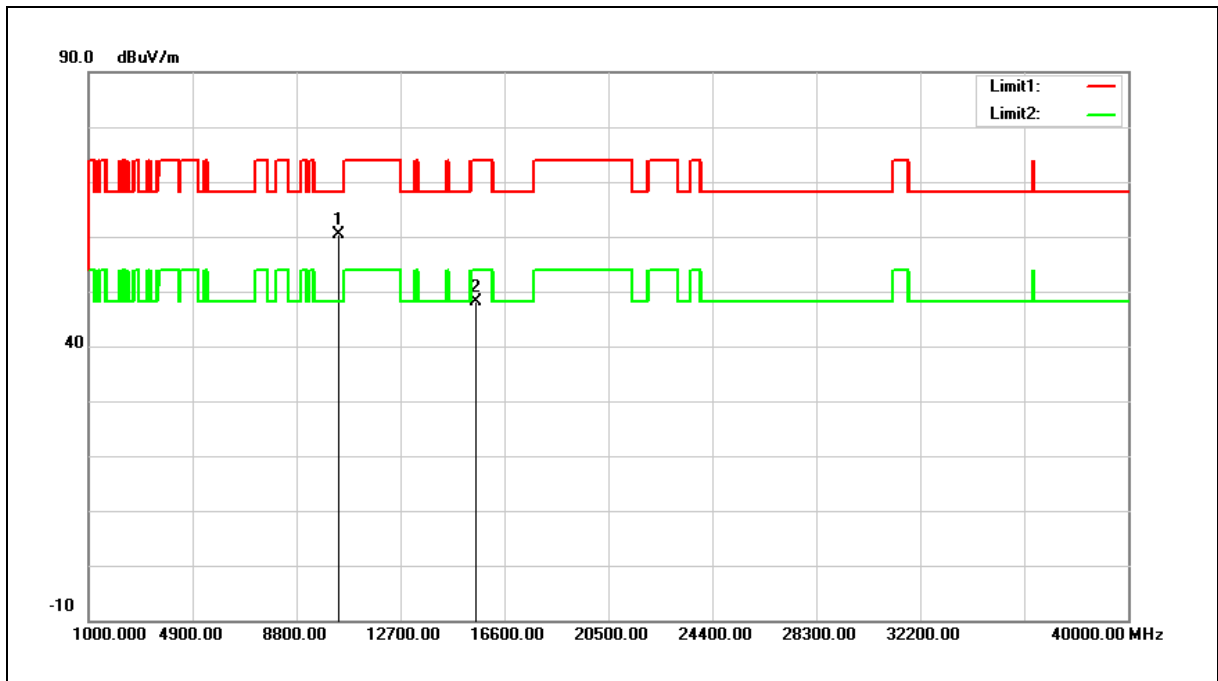
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5180 MHz		
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	48.75	11.69	60.44	68.20	-7.76	peak
2	15540.000	33.57	14.52	48.09	74.00	-25.91	peak

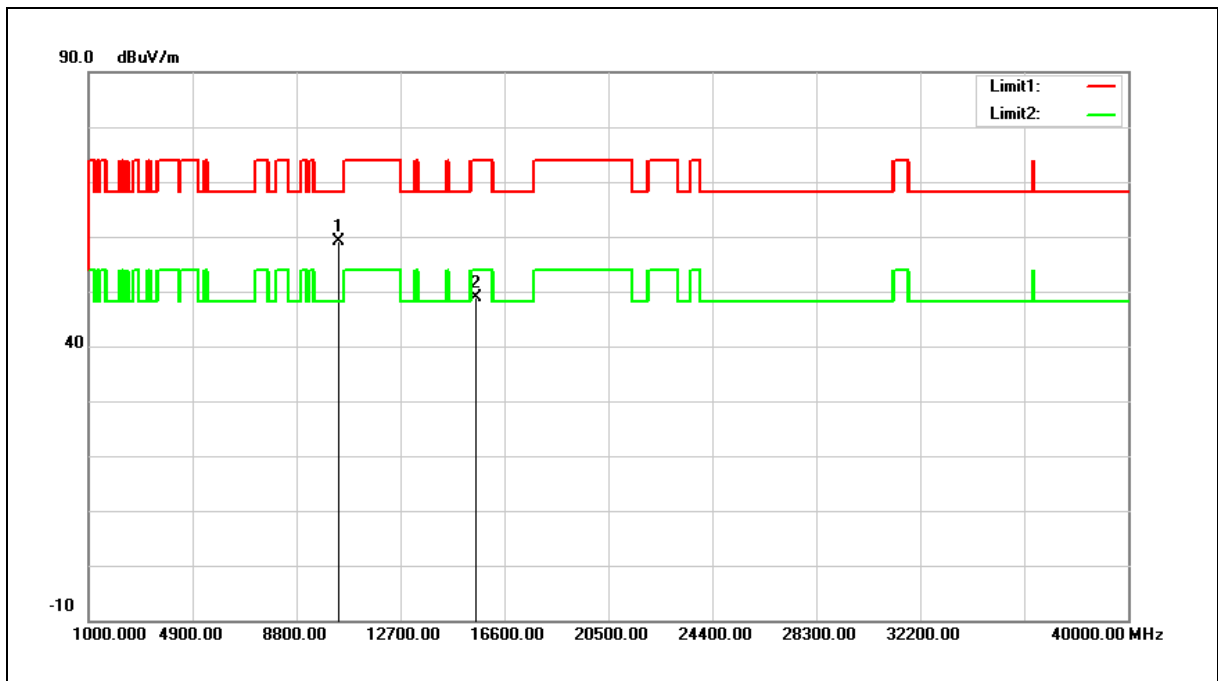
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $60.44 = 11.69 + 48.75$.

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

3.When the peak 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		
Frequency:	5180 MHz		
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	47.53	11.69	59.22	68.20	-8.98	peak
2	15540.000	34.37	14.52	48.89	74.00	-25.11	peak

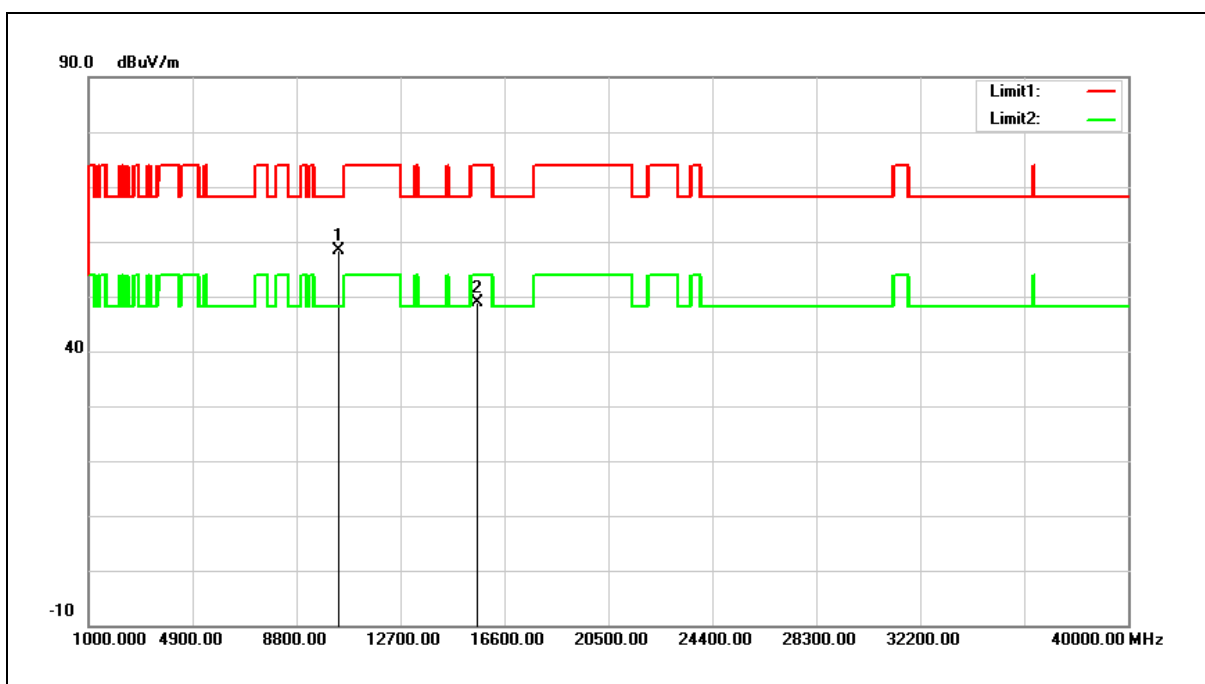
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $59.22 = 11.69 + 47.53$.

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		
Frequency:	5200 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



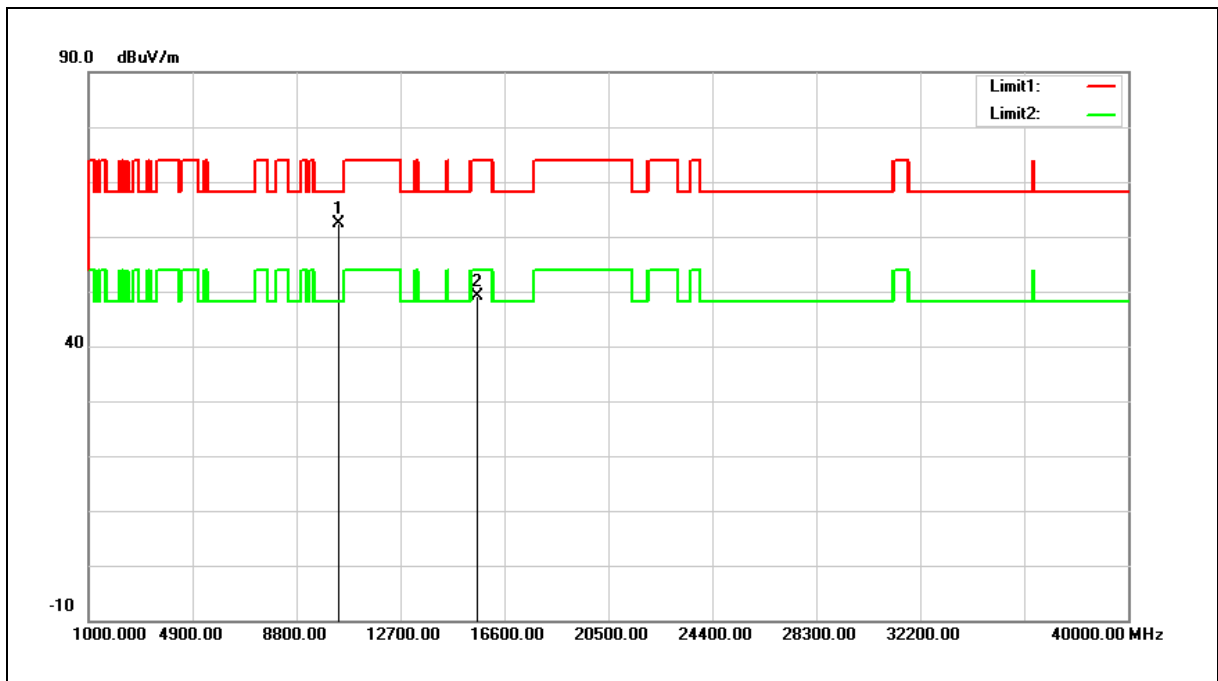
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	46.58	11.79	58.37	68.20	-9.83	peak
2	15600.000	34.54	14.39	48.93	74.00	-25.07	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



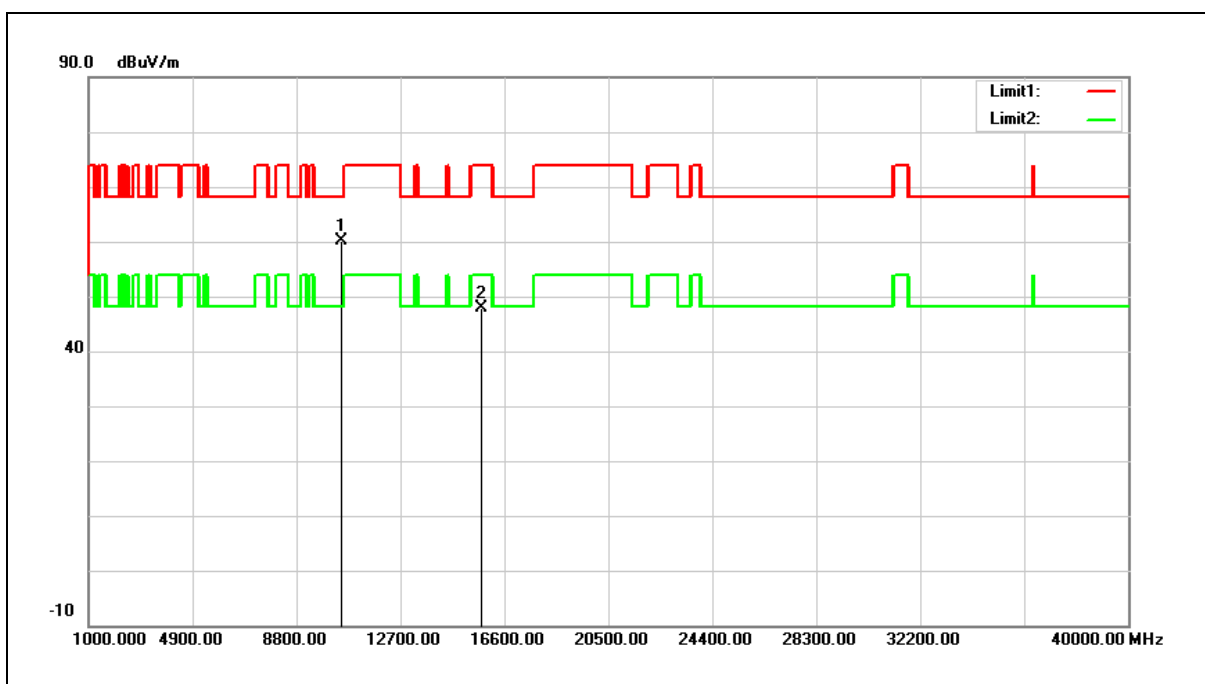
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	50.50	11.79	62.29	68.20	-5.91	peak
2	15600.000	34.78	14.39	49.17	74.00	-24.83	peak

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		
Frequency:	5240 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



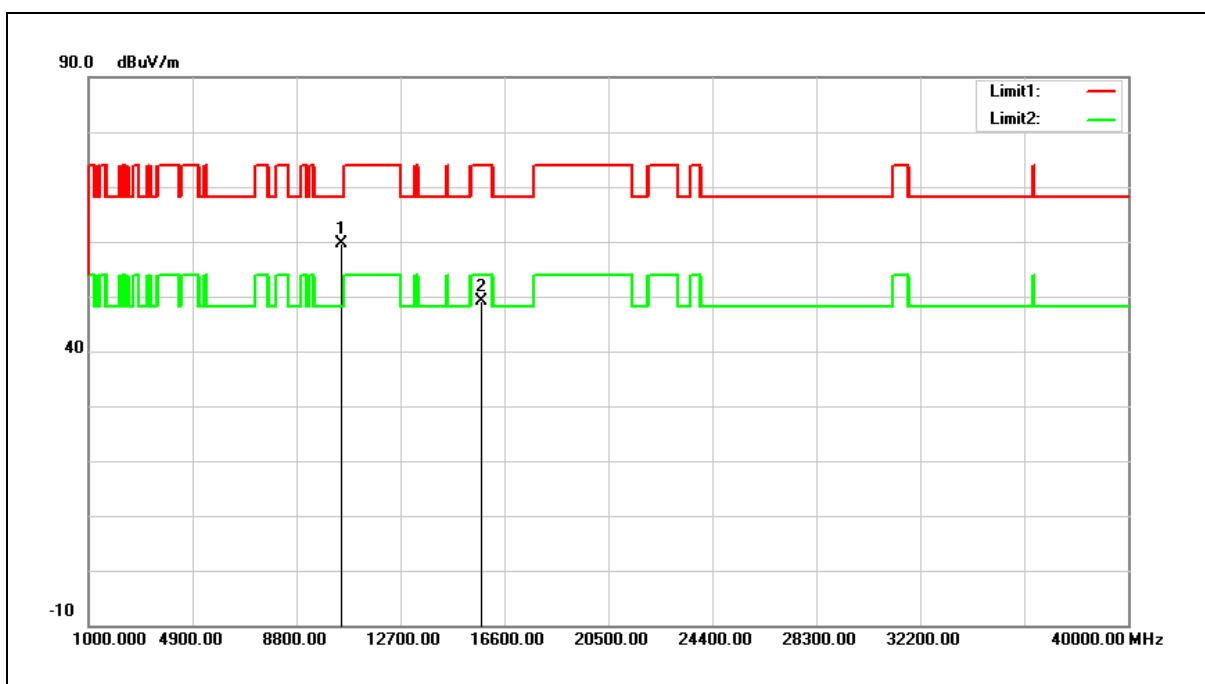
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.03	12.00	60.03	68.20	-8.17	peak
2	15720.000	33.74	14.13	47.87	74.00	-26.13	peak

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

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

3.When the peak 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		
Frequency:	5240 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



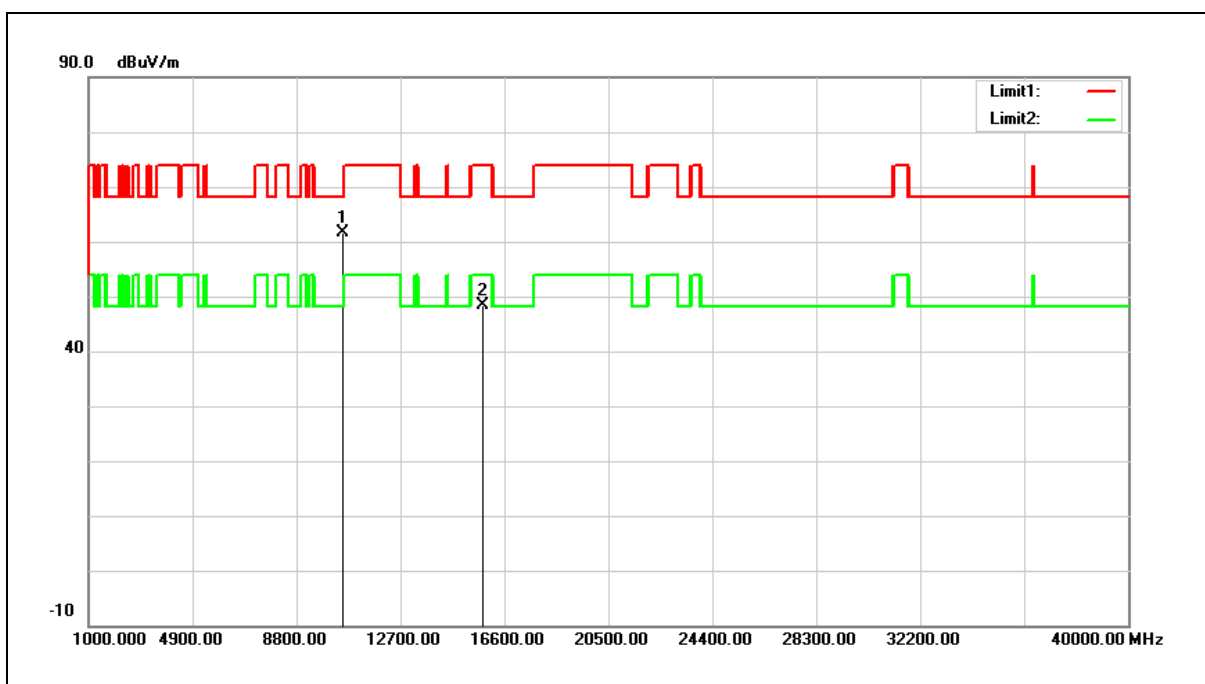
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	47.68	12.00	59.68	68.20	-8.52	peak
2	15720.000	34.90	14.13	49.03	74.00	-24.97	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



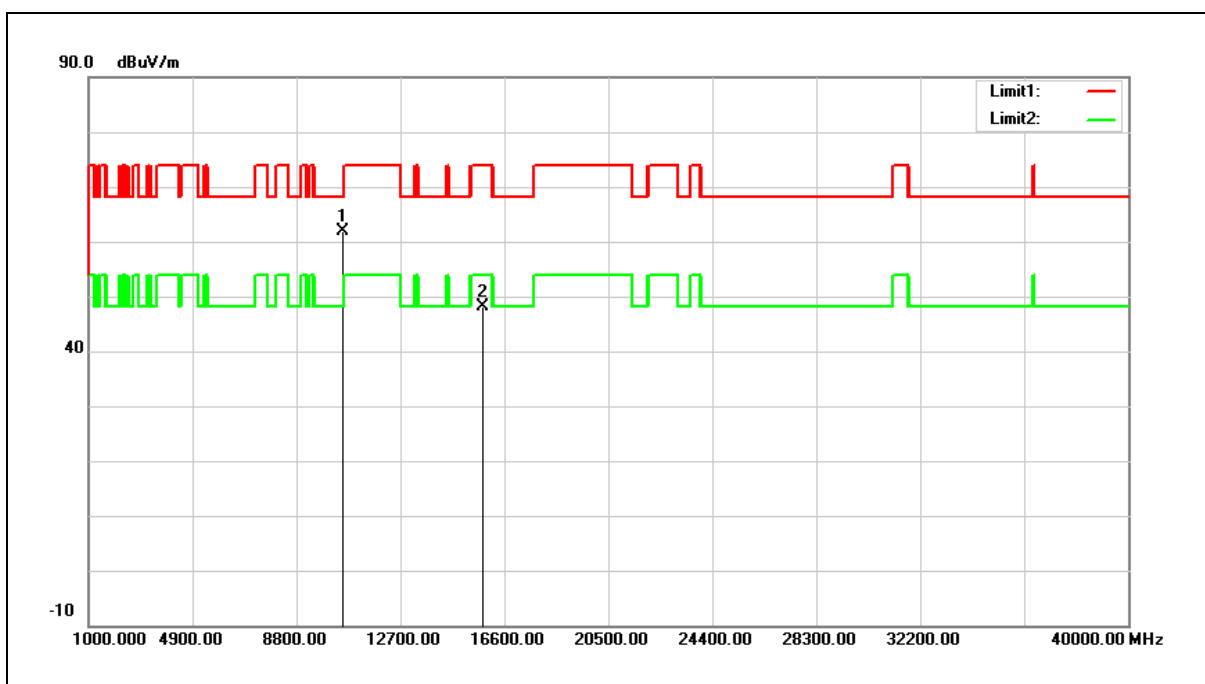
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.62	12.06	61.68	68.20	-6.52	peak
2	15780.000	34.47	14.02	48.49	74.00	-25.51	peak

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		
Frequency:	5260 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



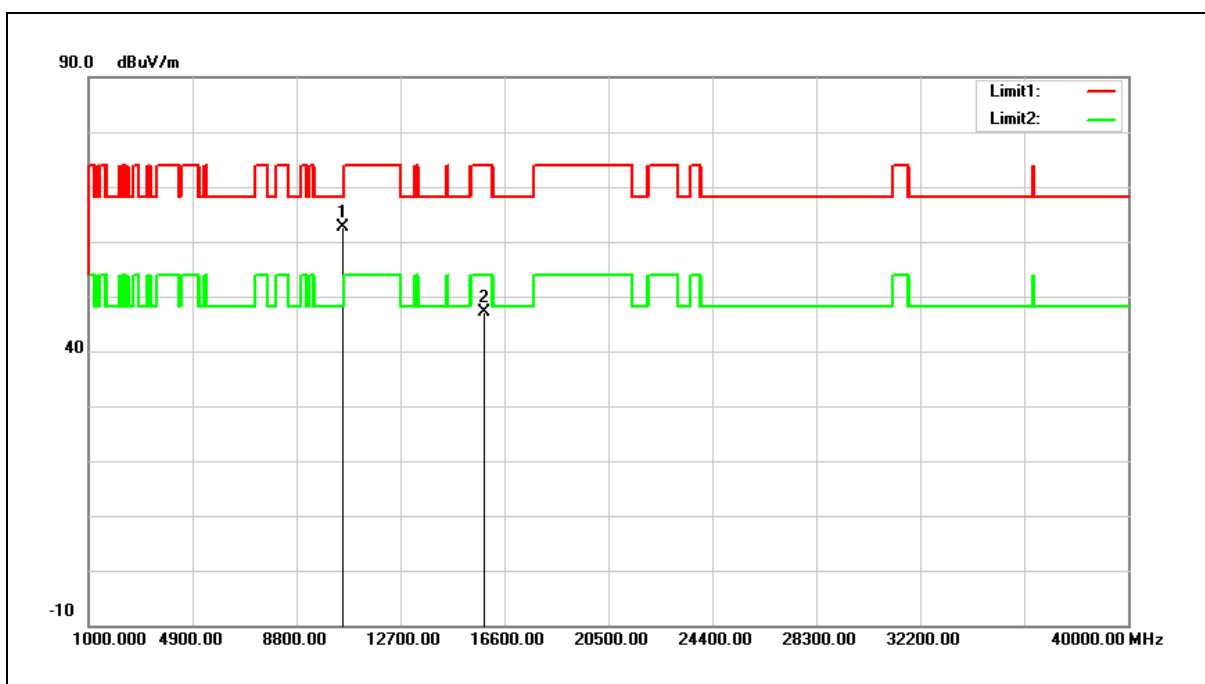
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.92	12.06	61.98	68.20	-6.22	peak
2	15780.000	34.13	14.02	48.15	74.00	-25.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



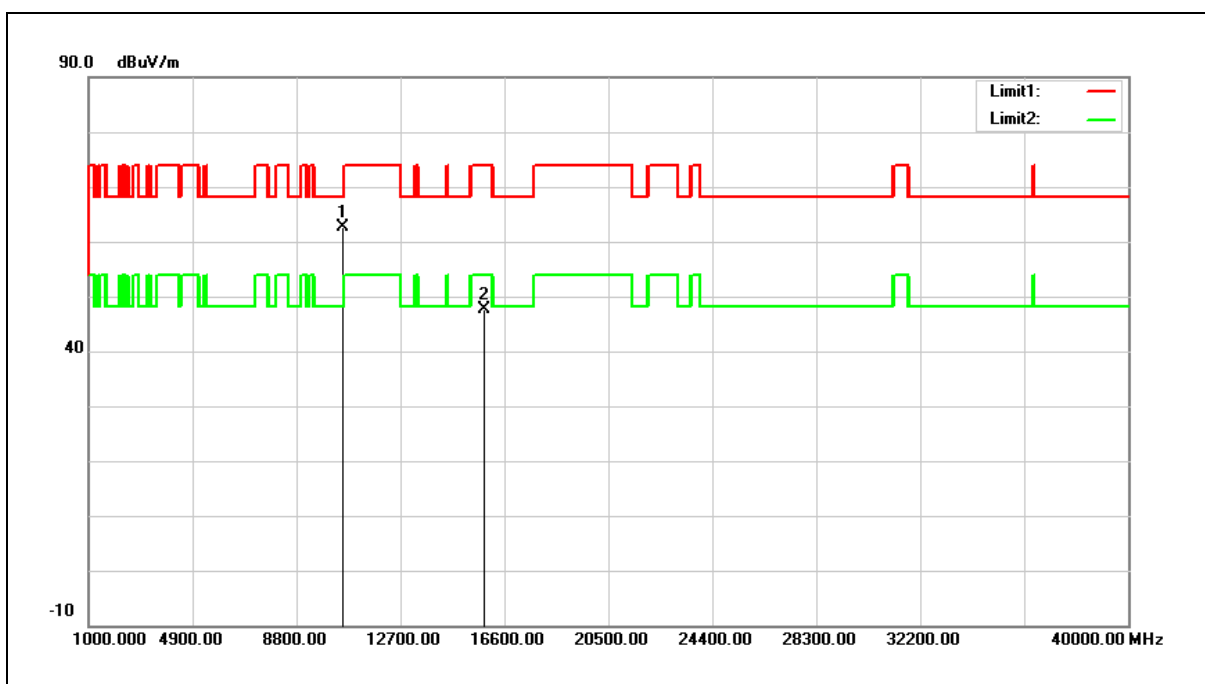
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	50.52	12.09	62.61	68.20	-5.59	peak
2	15840.000	33.35	13.88	47.23	74.00	-26.77	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



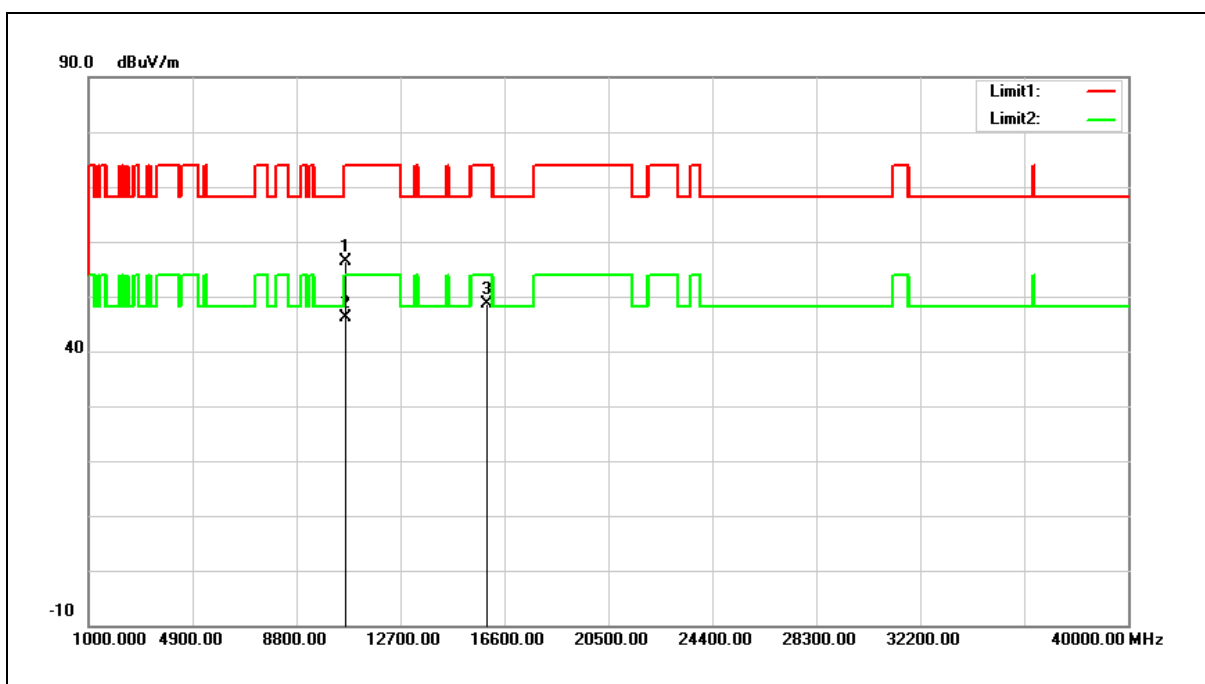
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	50.58	12.09	62.67	68.20	-5.53	peak
2	15840.000	33.65	13.88	47.53	74.00	-26.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



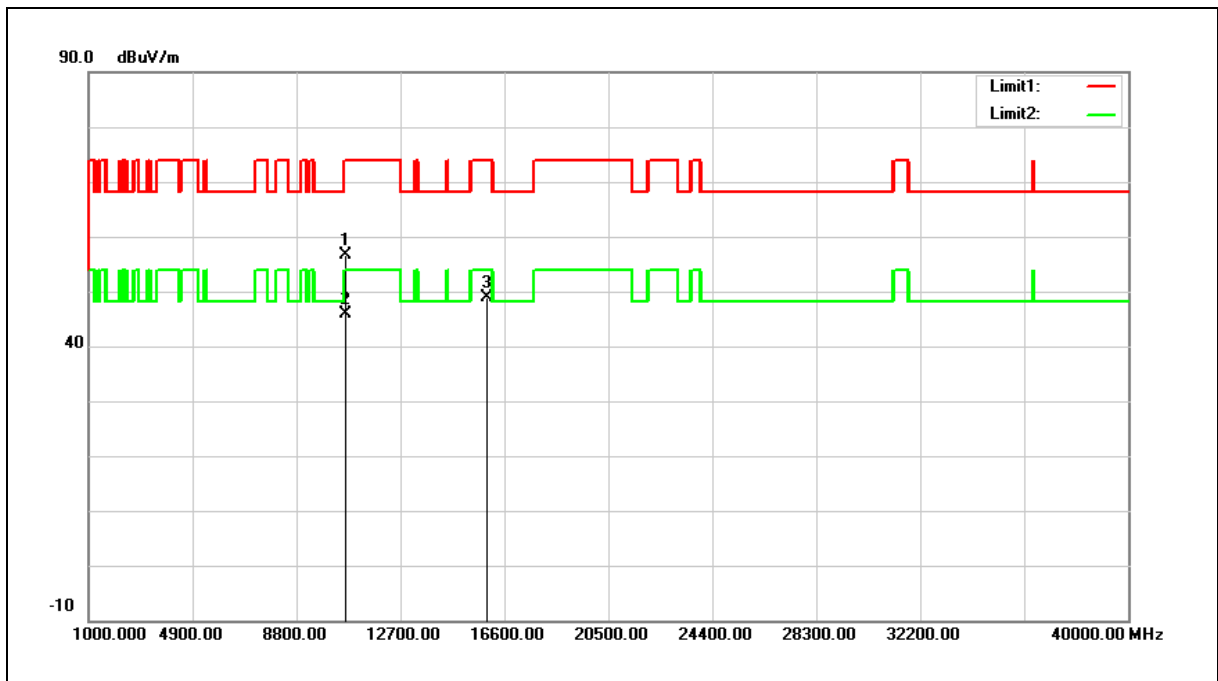
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	44.32	12.14	56.46	74.00	-17.54	peak
2	10640.000	33.88	12.14	46.02	54.00	-7.98	AVG
3	15960.000	34.89	13.63	48.52	74.00	-25.48	peak

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		
Frequency:	5320 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



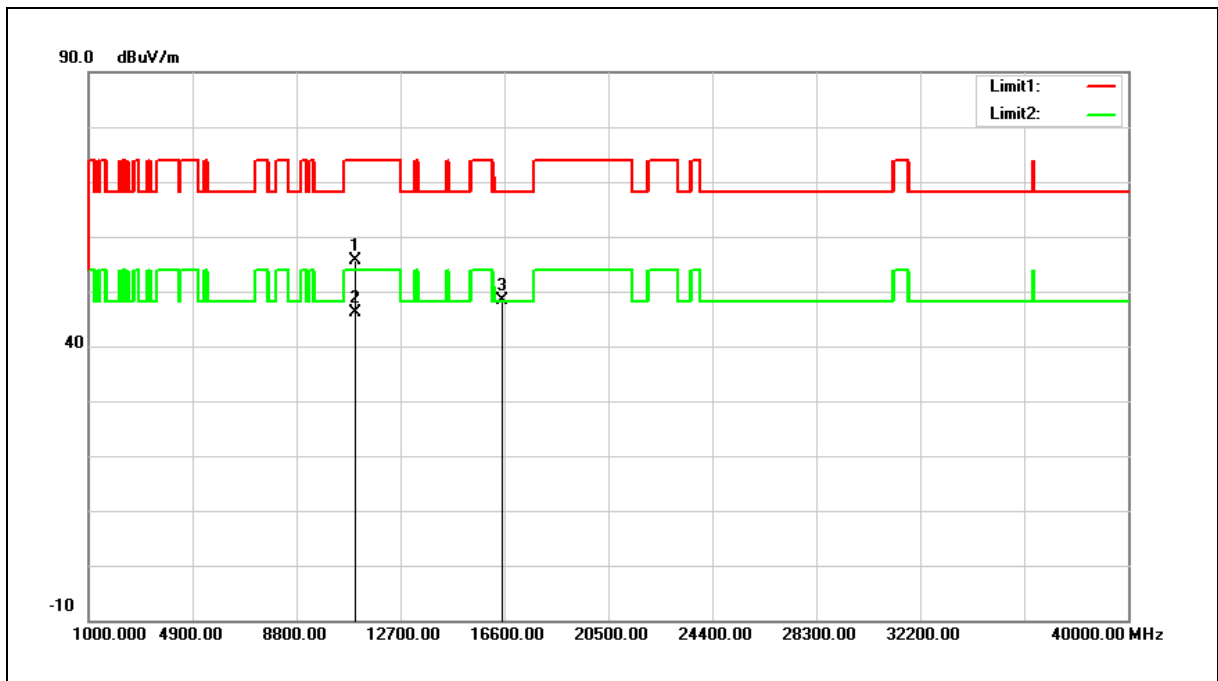
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	44.60	12.14	56.74	74.00	-17.26	peak
2	10640.000	33.66	12.14	45.80	54.00	-8.20	AVG
3	15960.000	35.18	13.63	48.81	74.00	-25.19	peak

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		
Frequency:	5500 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



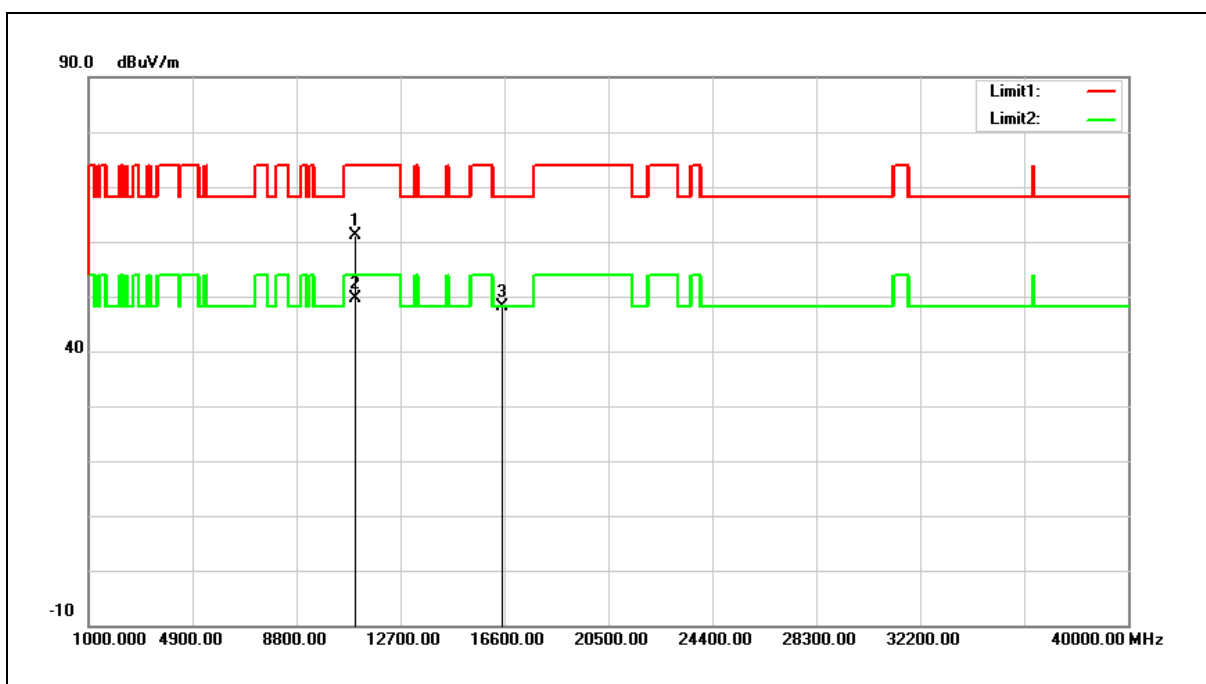
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	43.27	12.39	55.66	74.00	-18.34	peak
2	11000.000	33.71	12.39	46.10	54.00	-7.90	AVG
3	16500.000	34.16	14.24	48.40	68.20	-19.80	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



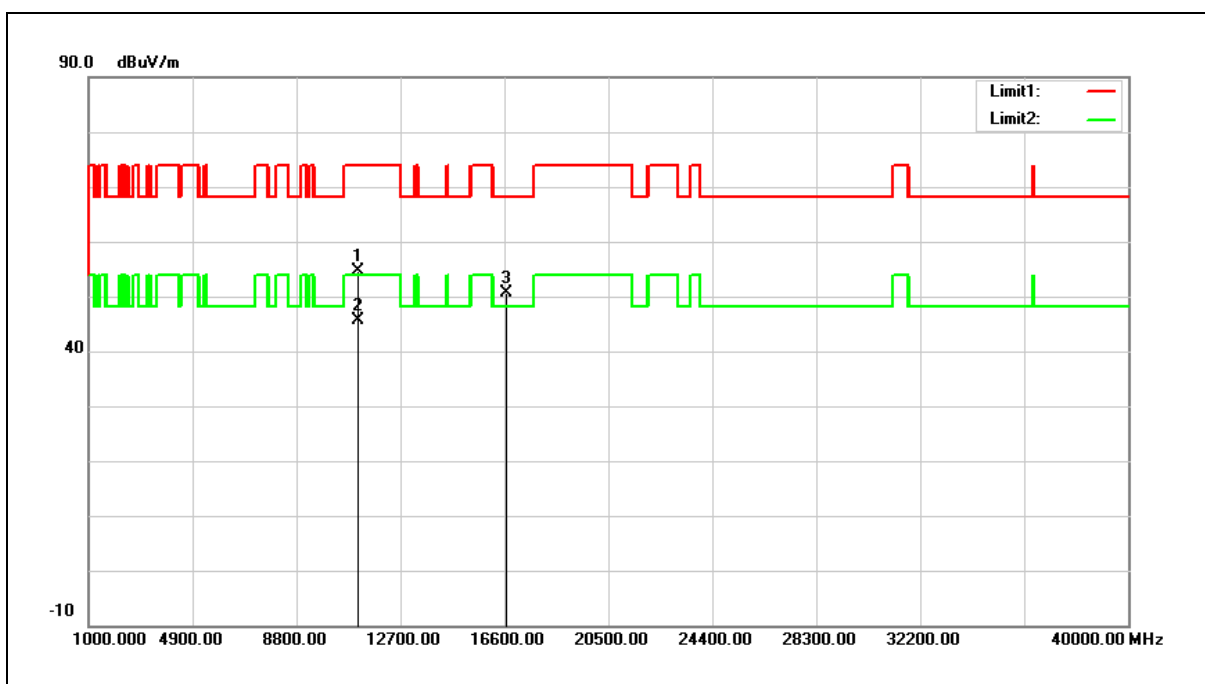
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	48.86	12.39	61.25	74.00	-12.75	peak
2	11000.000	37.23	12.39	49.62	54.00	-4.38	AVG
3	16500.000	33.91	14.24	48.15	68.20	-20.05	peak

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		
Frequency:	5560 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



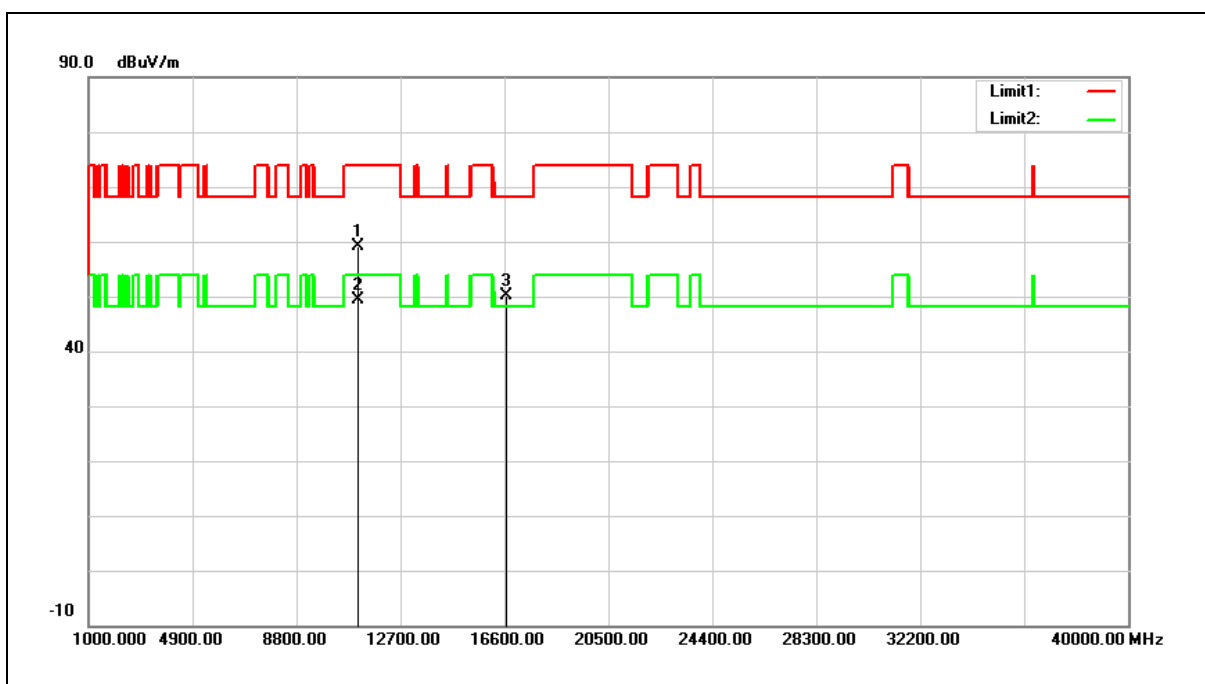
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	42.29	12.46	54.75	74.00	-19.25	peak
2	11120.000	33.23	12.46	45.69	54.00	-8.31	AVG
3	16680.000	35.35	15.22	50.57	68.20	-17.63	peak

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:	Harmonic		
Frequency:	5560 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



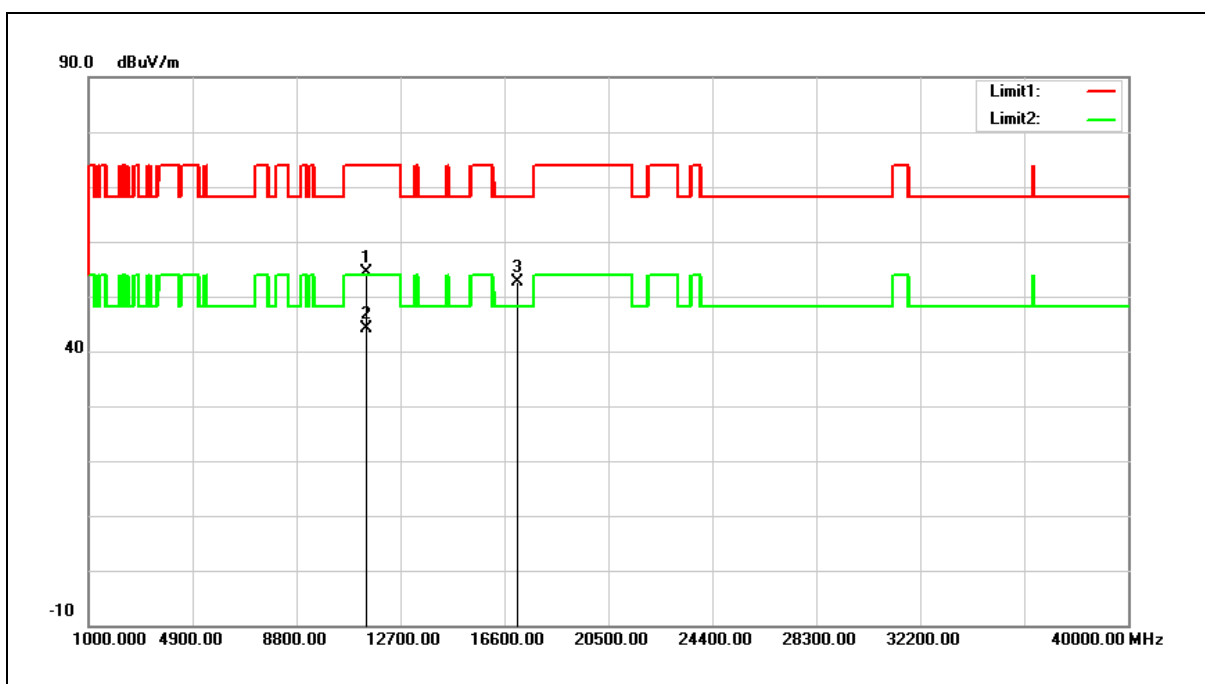
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	46.62	12.46	59.08	74.00	-14.92	peak
2	11120.000	36.91	12.46	49.37	54.00	-4.63	AVG
3	16680.000	34.89	15.22	50.11	68.20	-18.09	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



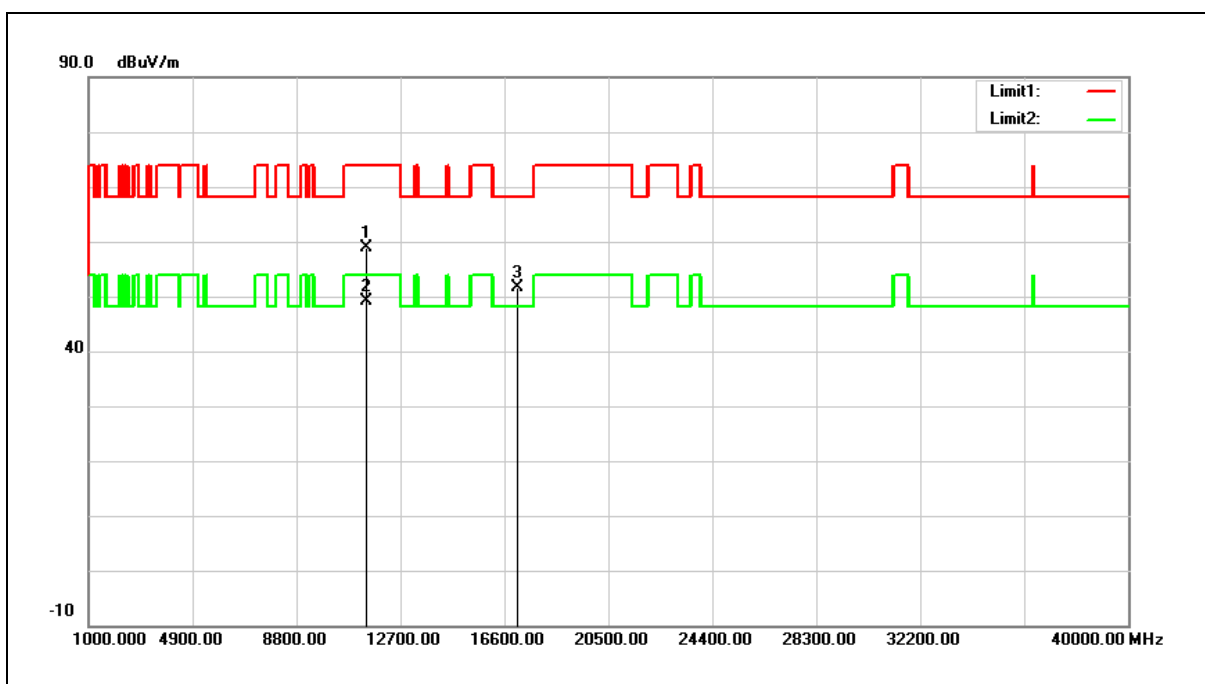
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	41.68	12.63	54.31	74.00	-19.69	peak
2	11400.000	31.60	12.63	44.23	54.00	-9.77	AVG
3	17100.000	35.06	17.63	52.69	68.20	-15.51	peak

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		
Frequency:	5700 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



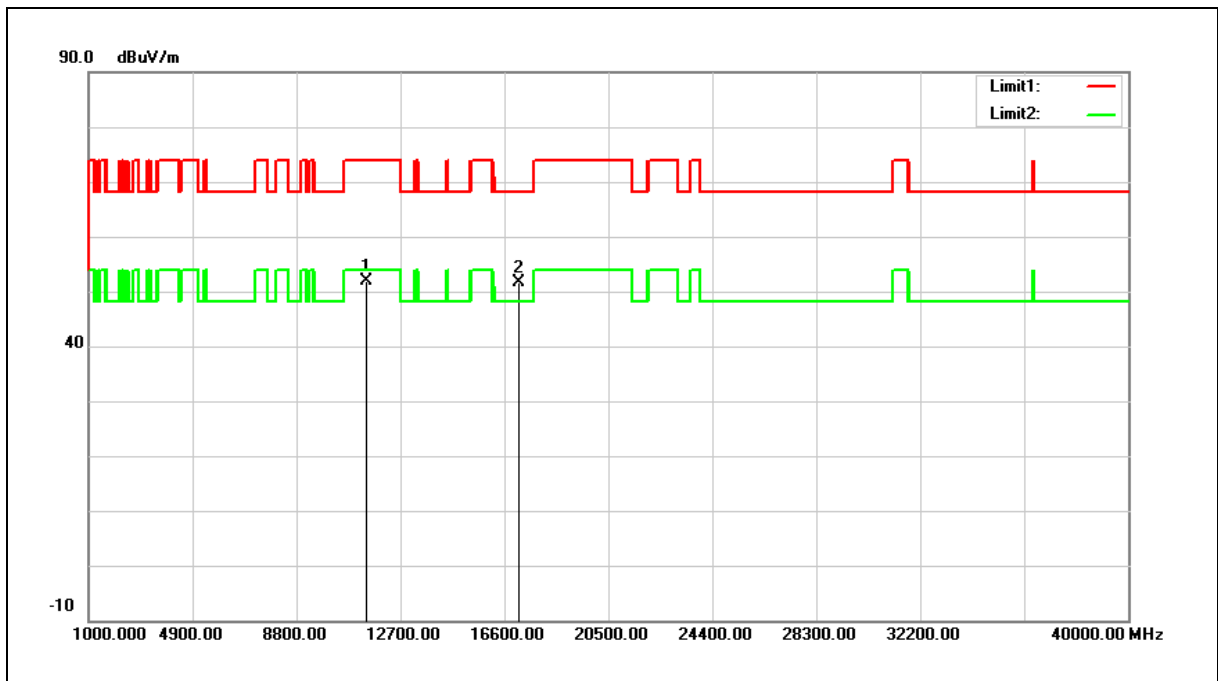
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	46.25	12.63	58.88	74.00	-15.12	peak
2	11400.000	36.46	12.63	49.09	54.00	-4.91	AVG
3	17100.000	34.00	17.63	51.63	68.20	-16.57	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5720 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



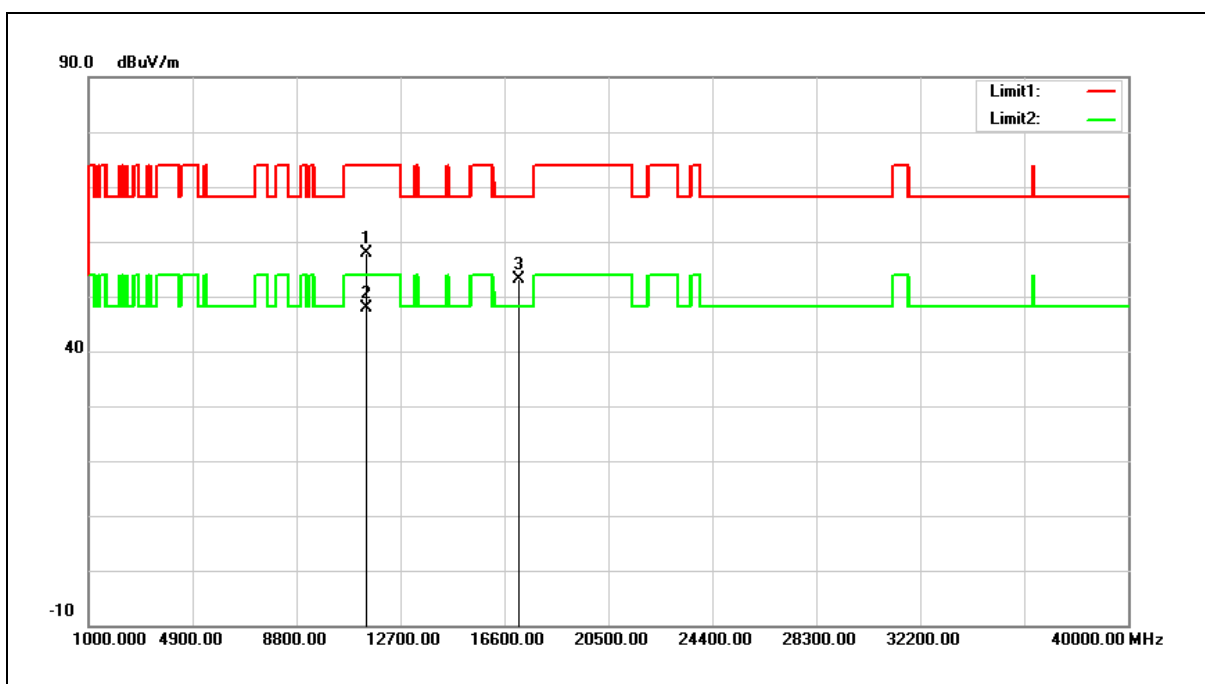
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	39.32	12.65	51.97	74.00	-22.03	peak
2	17160.000	33.73	18.02	51.75	68.20	-16.45	peak

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		
Frequency:	5720 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



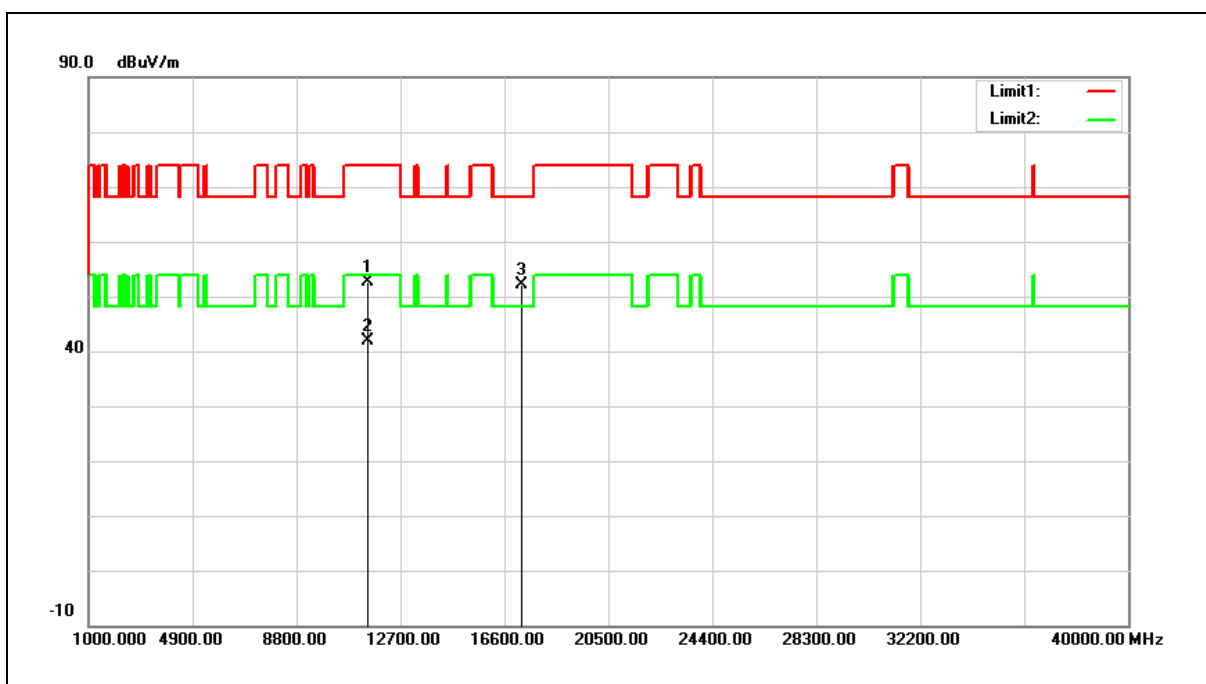
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	45.16	12.65	57.81	74.00	-16.19	peak
2	11440.000	35.14	12.65	47.79	54.00	-6.21	AVG
3	17160.000	35.08	18.02	53.10	68.20	-15.10	peak

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		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



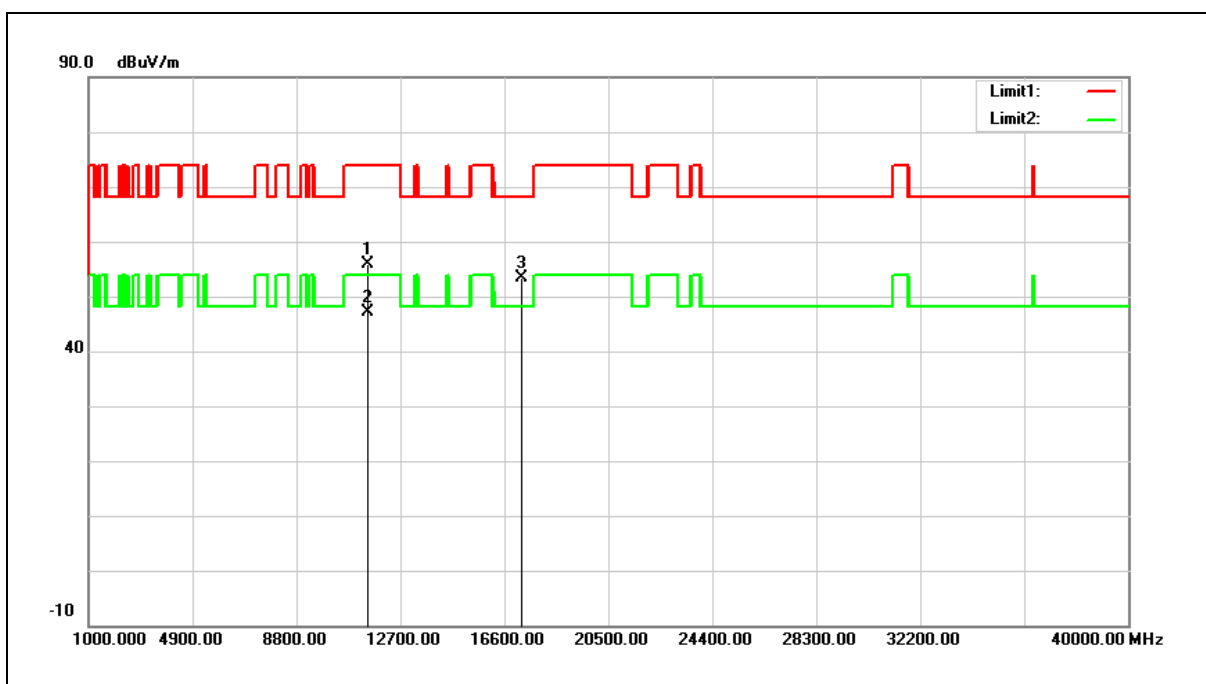
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	40.00	12.68	52.68	74.00	-21.32	peak
2	11490.000	29.20	12.68	41.88	54.00	-12.12	AVG
3	17235.000	33.68	18.52	52.20	68.20	-16.00	peak

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		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



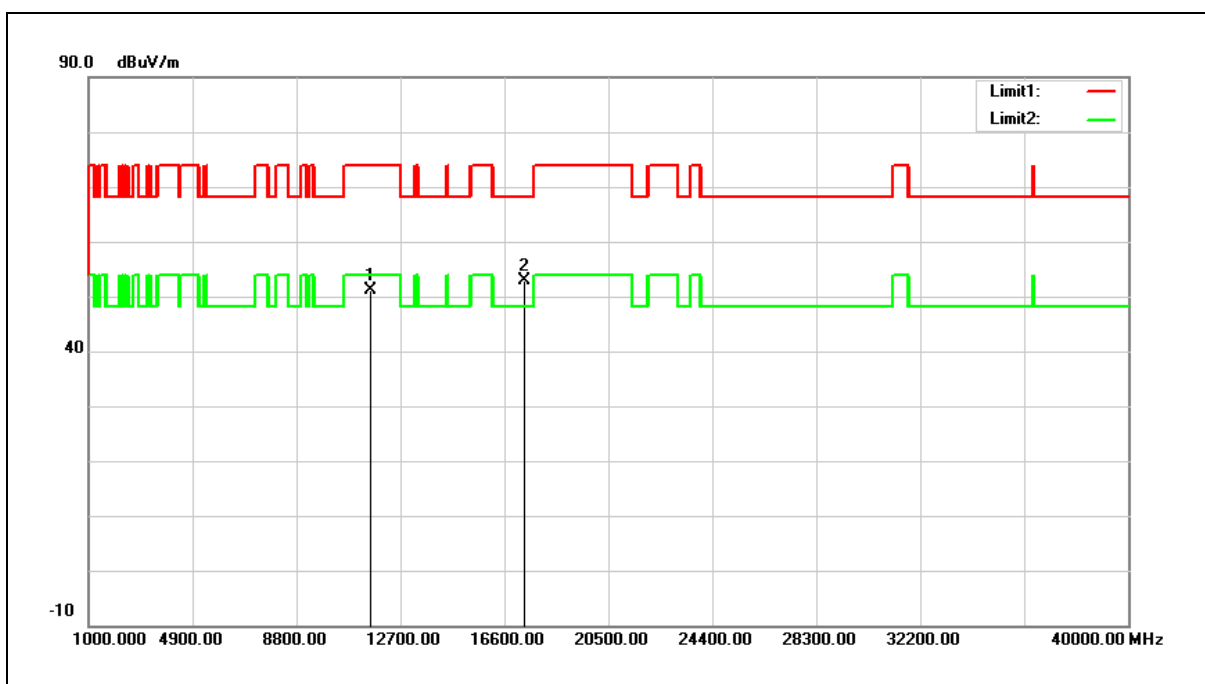
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	43.29	12.68	55.97	74.00	-18.03	peak
2	11490.000	34.51	12.68	47.19	54.00	-6.81	AVG
3	17235.000	34.83	18.52	53.35	68.20	-14.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



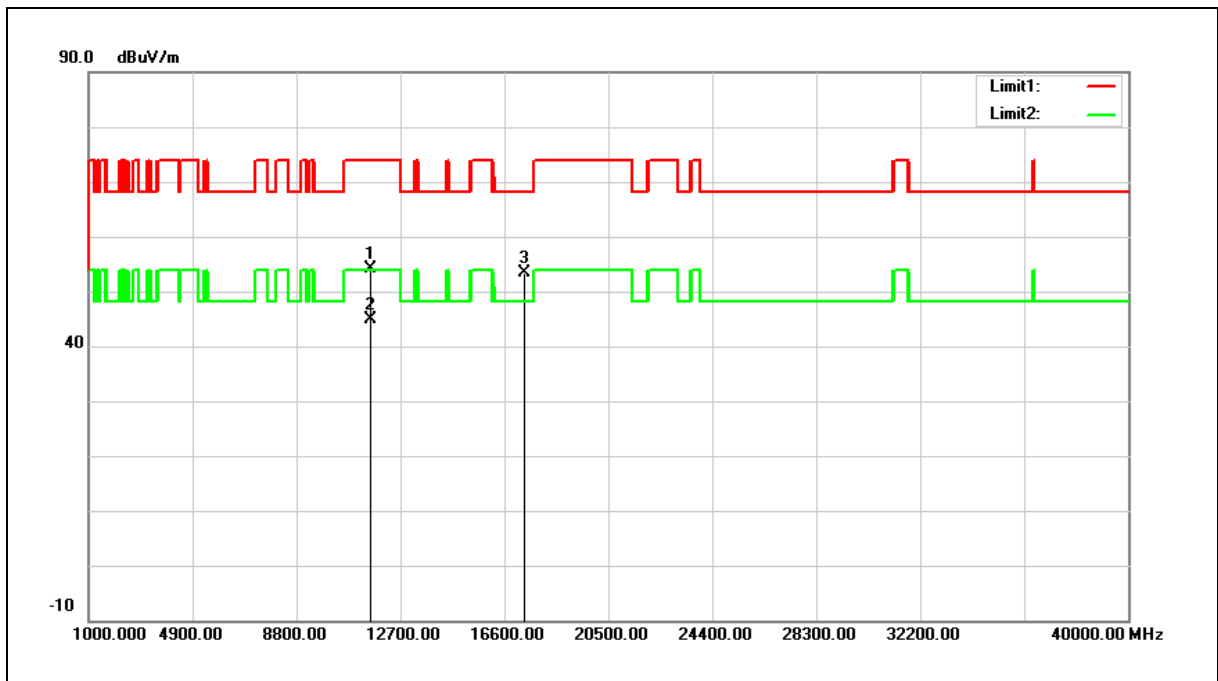
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	38.62	12.59	51.21	74.00	-22.79	peak
2	17355.000	33.59	19.32	52.91	68.20	-15.29	peak

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:	Harmonic		
Frequency:	5785 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



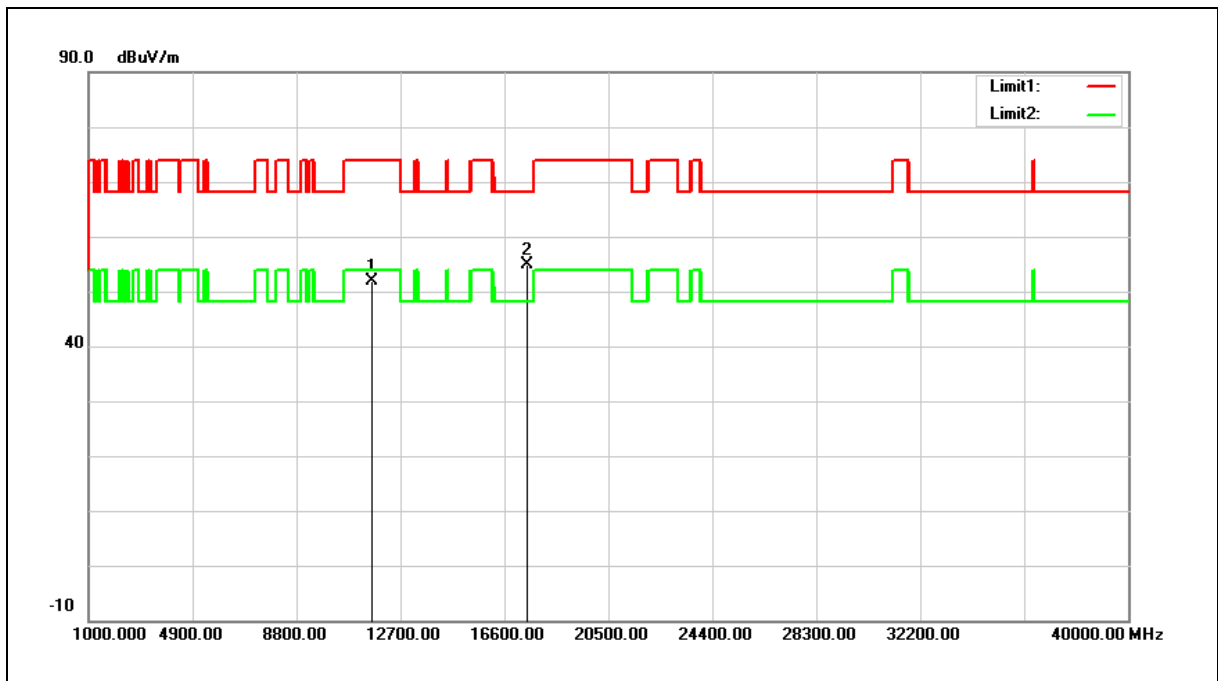
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	41.61	12.59	54.20	74.00	-19.80	peak
2	11570.000	32.28	12.59	44.87	54.00	-9.13	AVG
3	17355.000	34.08	19.32	53.40	68.20	-14.80	peak

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:	Harmonic		
Frequency:	5825 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



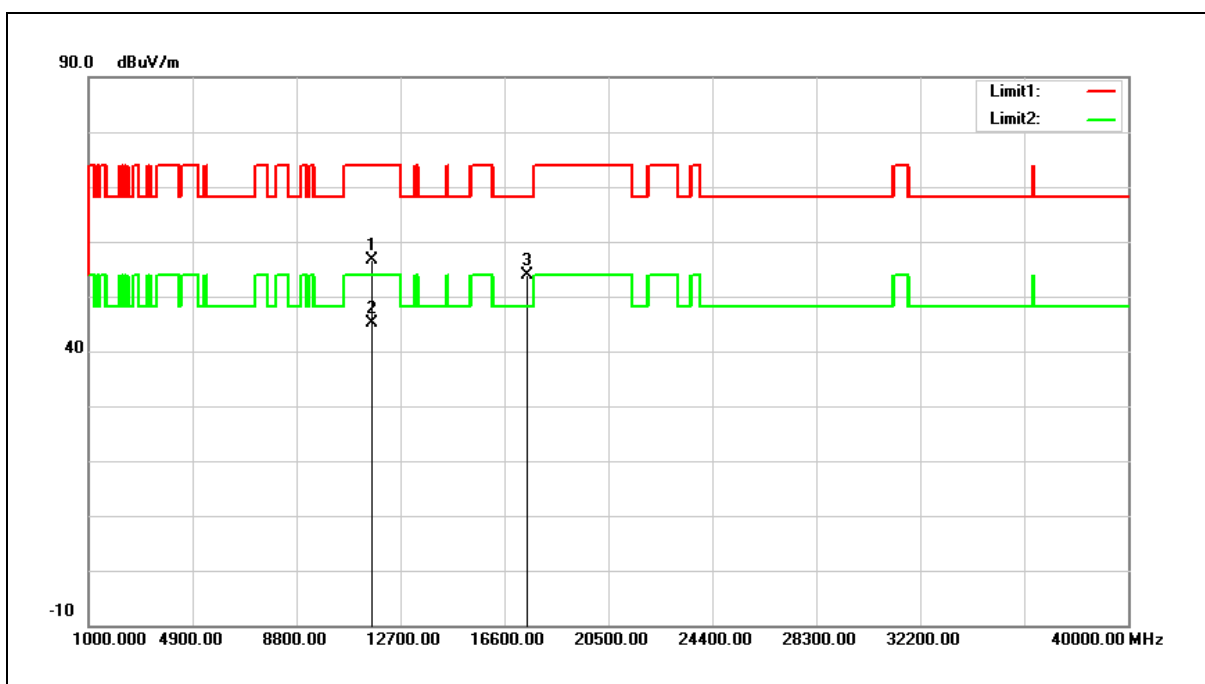
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	39.45	12.48	51.93	74.00	-22.07	peak
2	17475.000	34.70	20.13	54.83	68.20	-13.37	peak

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:	Harmonic		
Frequency:	5825 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



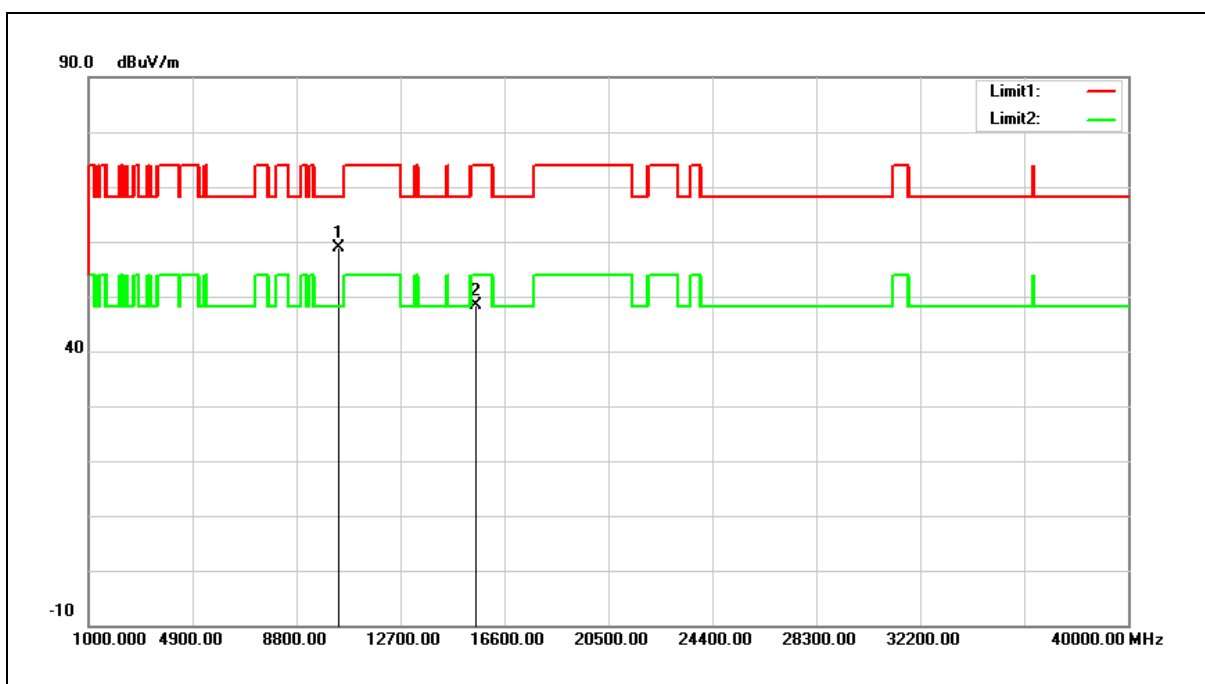
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	44.25	12.48	56.73	74.00	-17.27	peak
2	11650.000	32.69	12.48	45.17	54.00	-8.83	AVG
3	17475.000	33.83	20.13	53.96	68.20	-14.24	peak

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:	Harmonic		
Frequency:	5180 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



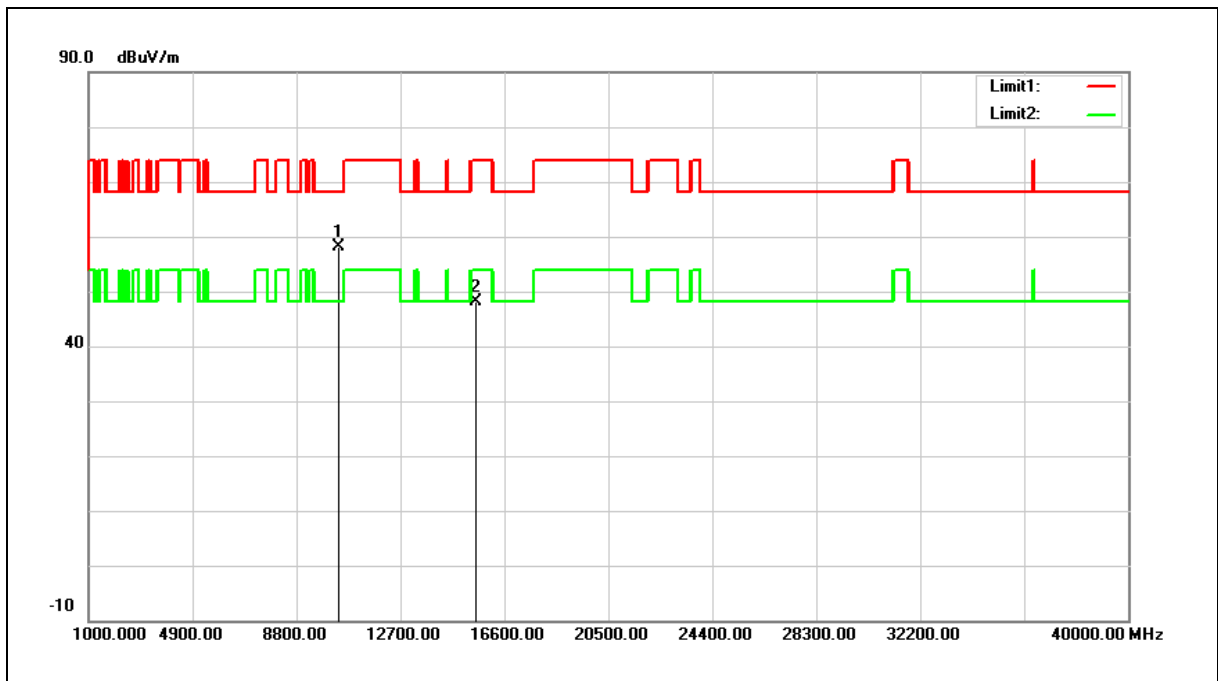
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	47.15	11.69	58.84	68.20	-9.36	peak
2	15540.000	33.95	14.52	48.47	74.00	-25.53	peak

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		
Frequency:	5180 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



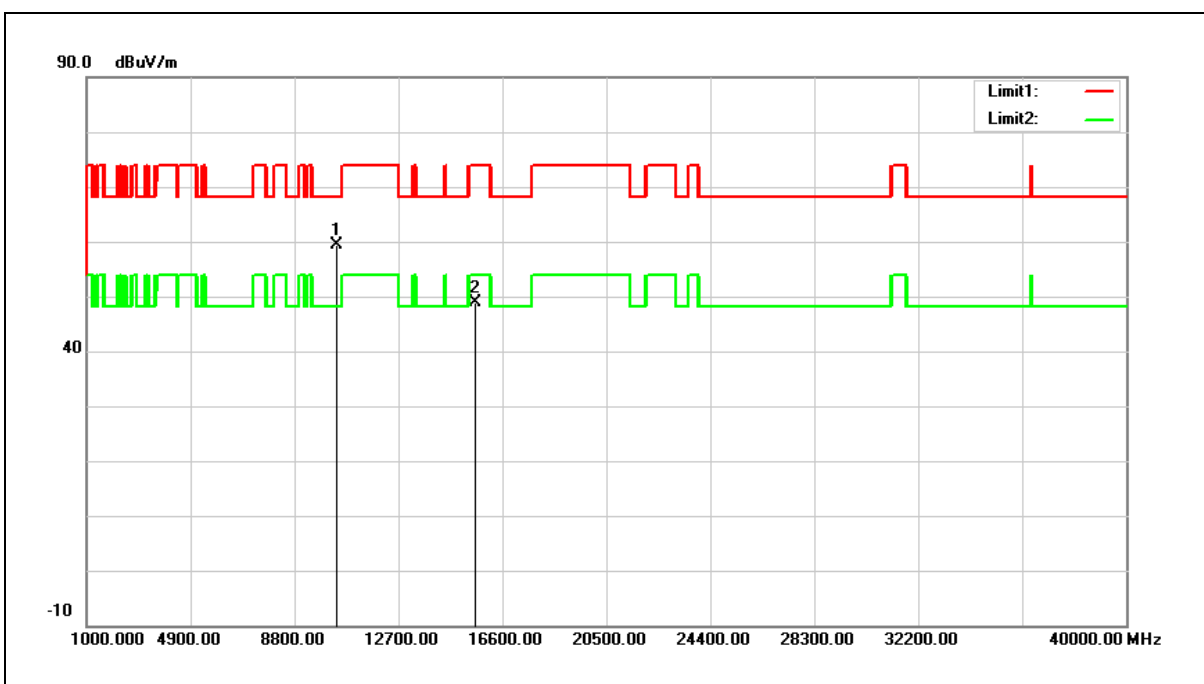
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	46.43	11.69	58.12	68.20	-10.08	peak
2	15540.000	33.57	14.52	48.09	74.00	-25.91	peak

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		
Frequency:	5200 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



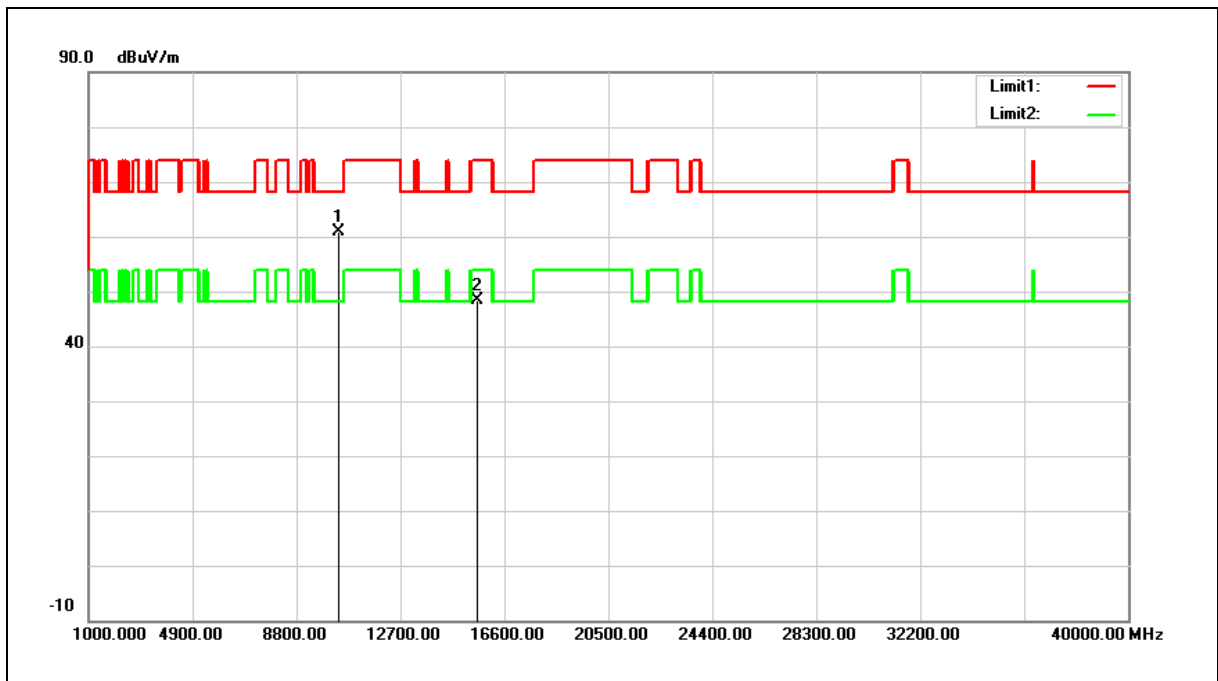
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	47.70	11.79	59.49	68.20	-8.71	peak
2	15600.000	34.41	14.39	48.80	74.00	-25.20	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



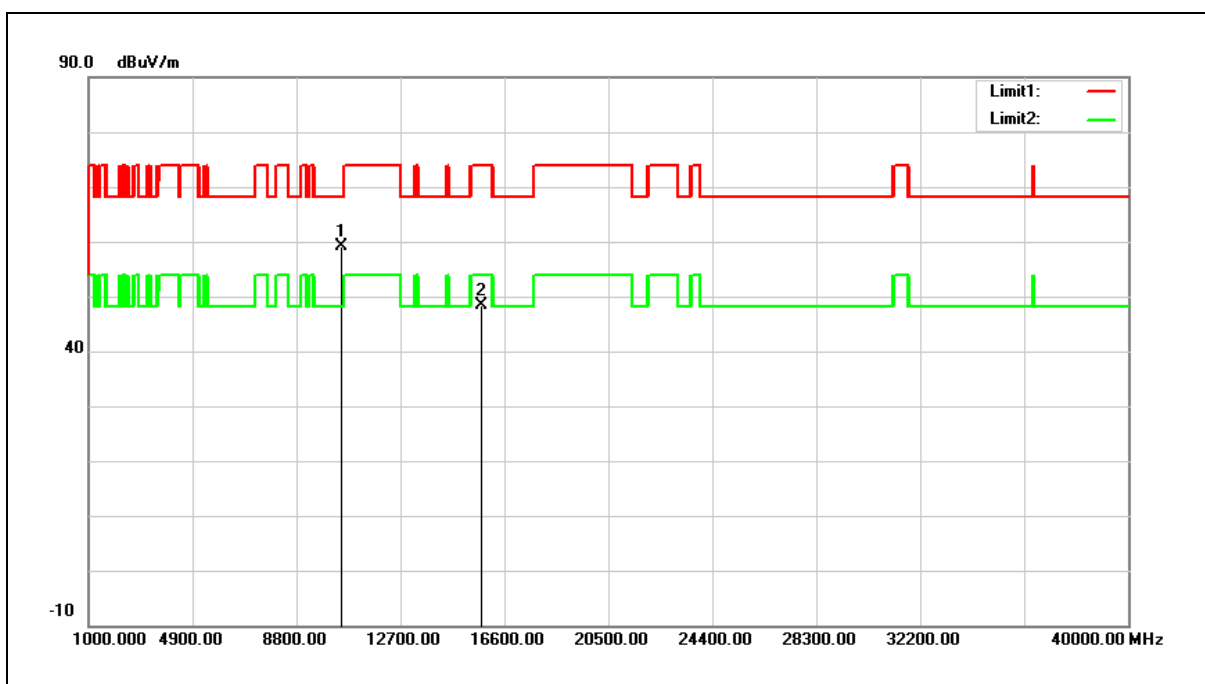
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	48.98	11.79	60.77	68.20	-7.43	peak
2	15600.000	34.08	14.39	48.47	74.00	-25.53	peak

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		
Frequency:	5240 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



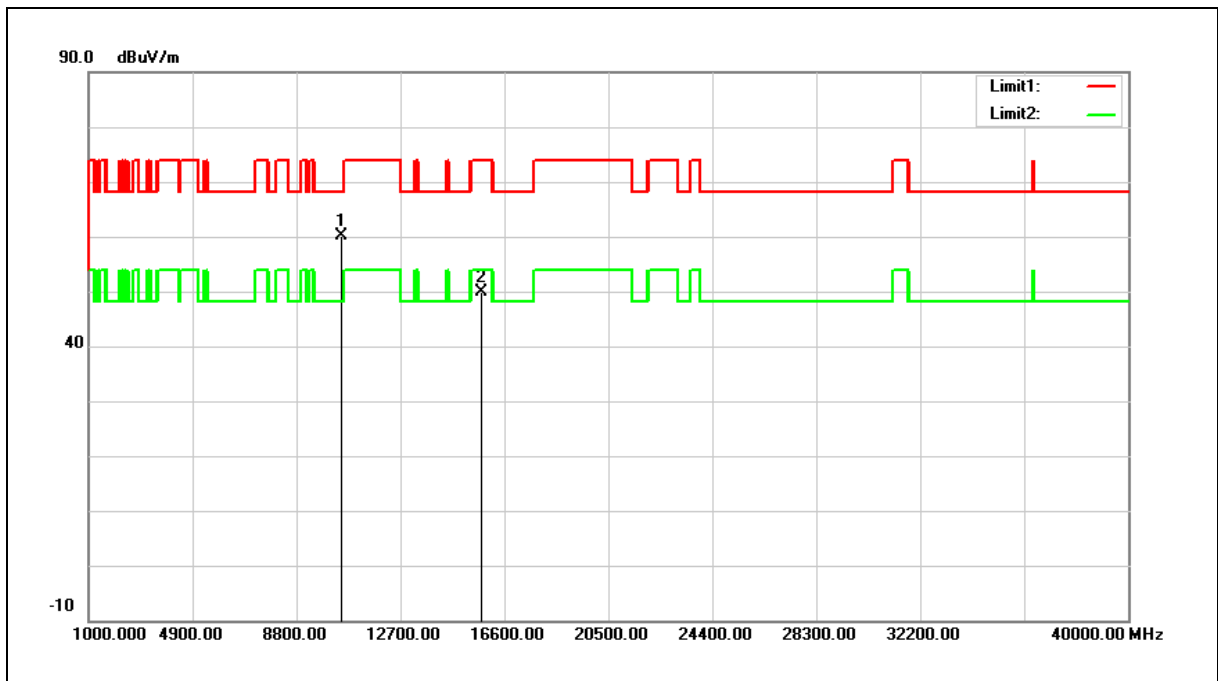
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	47.04	12.00	59.04	68.20	-9.16	peak
2	15720.000	34.21	14.13	48.34	74.00	-25.66	peak

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		
Frequency:	5240 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



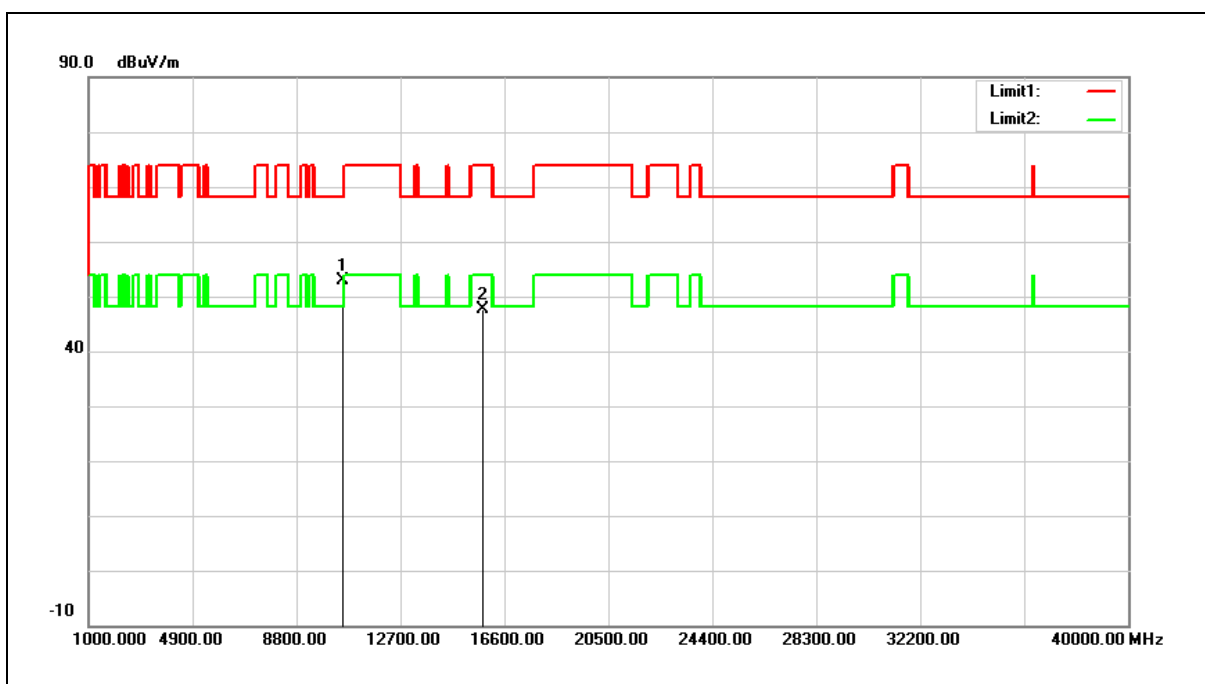
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.07	12.00	60.07	68.20	-8.13	peak
2	15720.000	35.70	14.13	49.83	74.00	-24.17	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



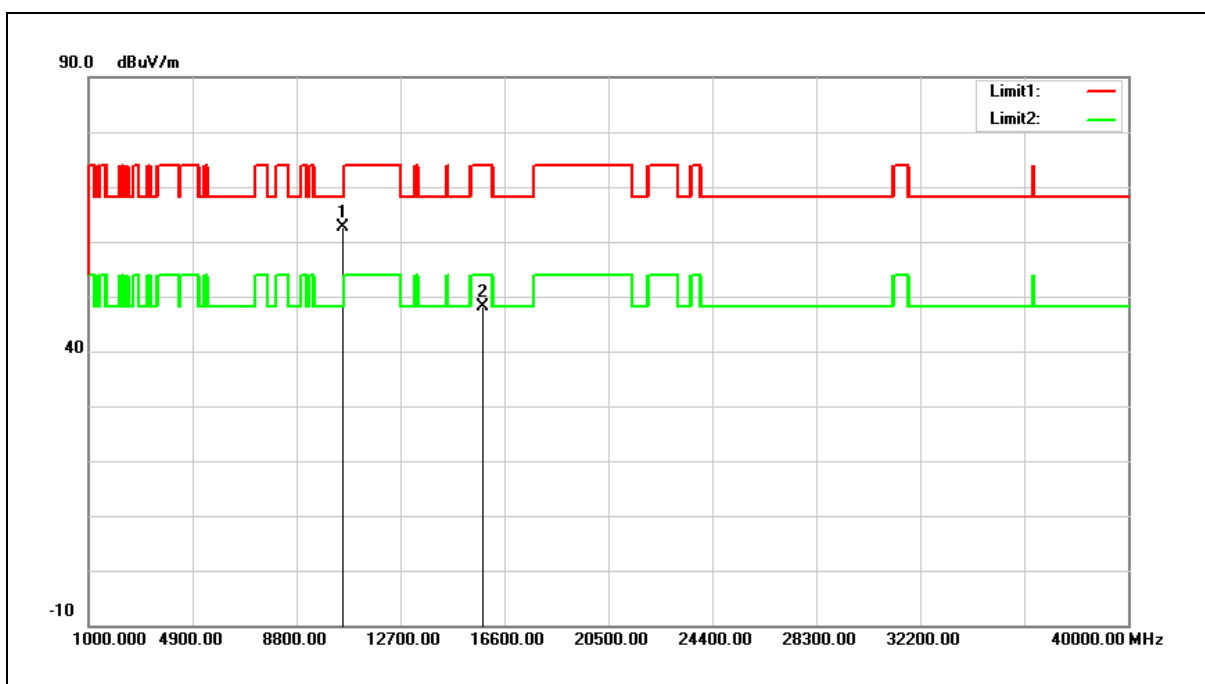
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	40.83	12.06	52.89	68.20	-15.31	peak
2	15780.000	33.72	14.02	47.74	74.00	-26.26	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



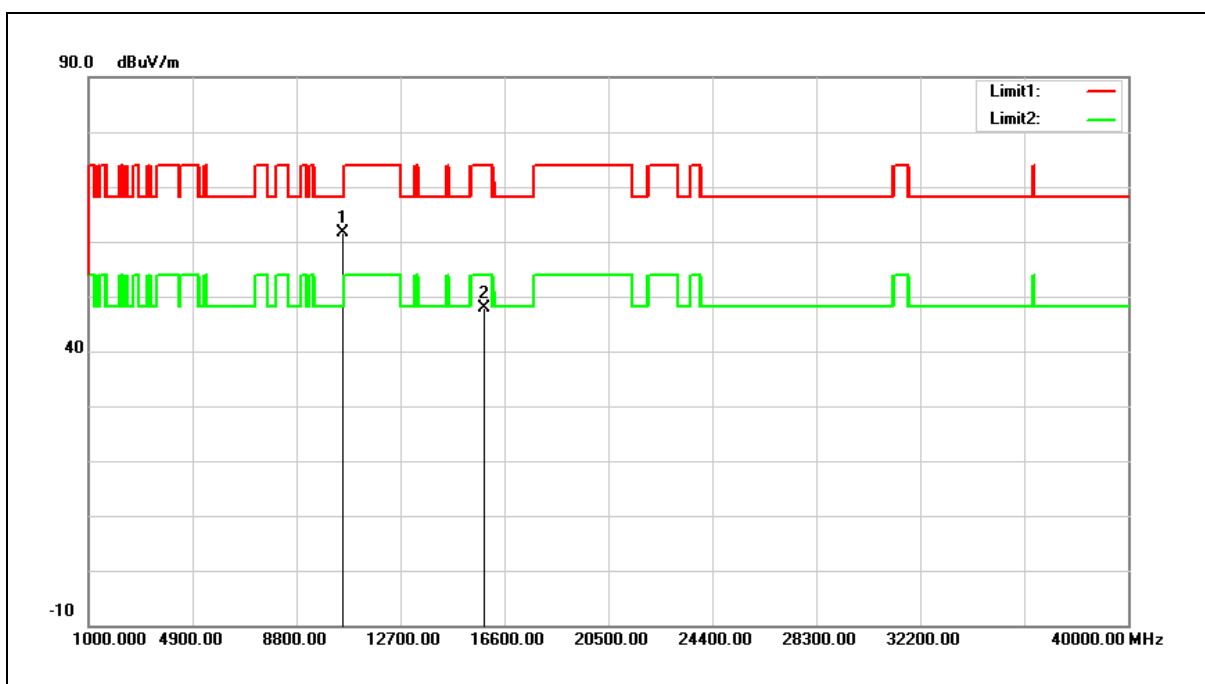
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	50.46	12.06	62.52	68.20	-5.68	peak
2	15780.000	34.15	14.02	48.17	74.00	-25.83	peak

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		
Frequency:	5280 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



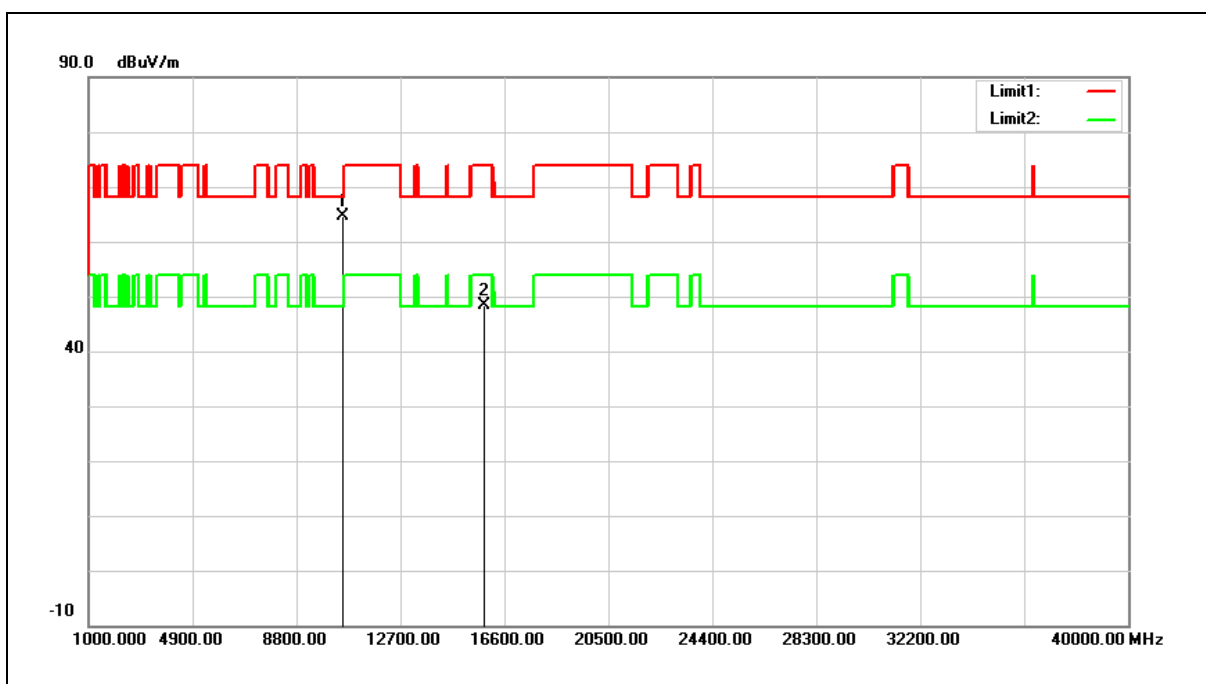
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	49.52	12.09	61.61	68.20	-6.59	peak
2	15840.000	34.05	13.88	47.93	74.00	-26.07	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



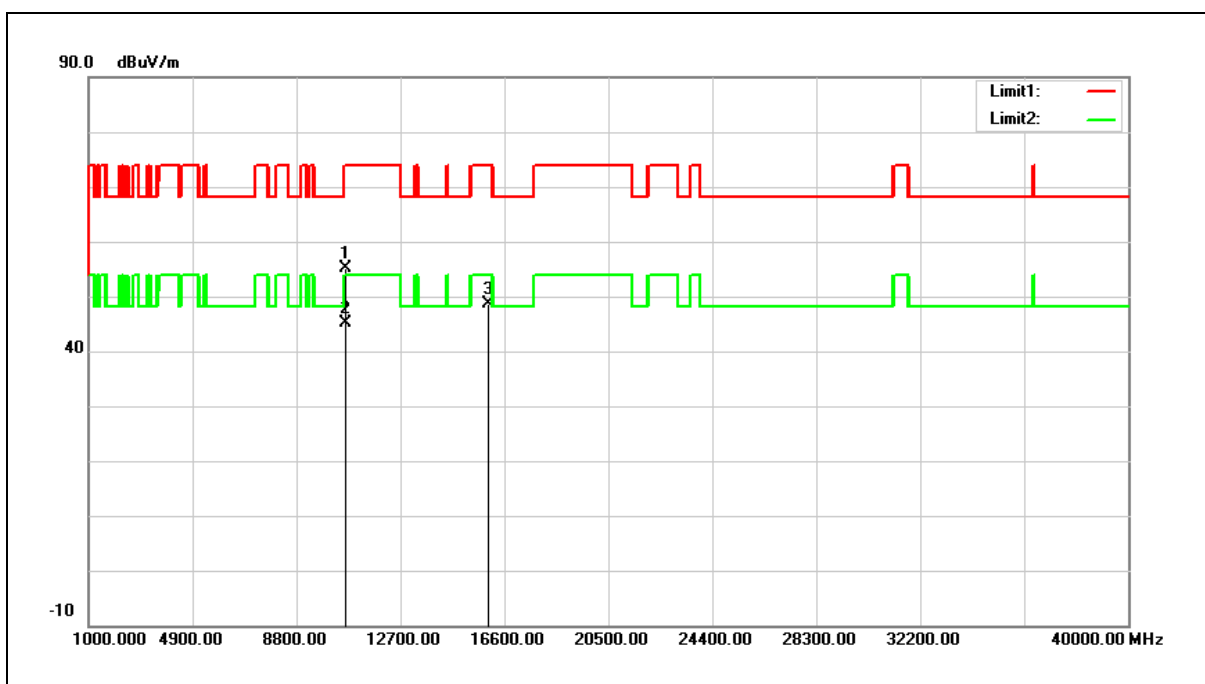
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	52.43	12.09	64.52	68.20	-3.68	peak
2	15840.000	34.57	13.88	48.45	74.00	-25.55	peak

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		
Frequency:	5320 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



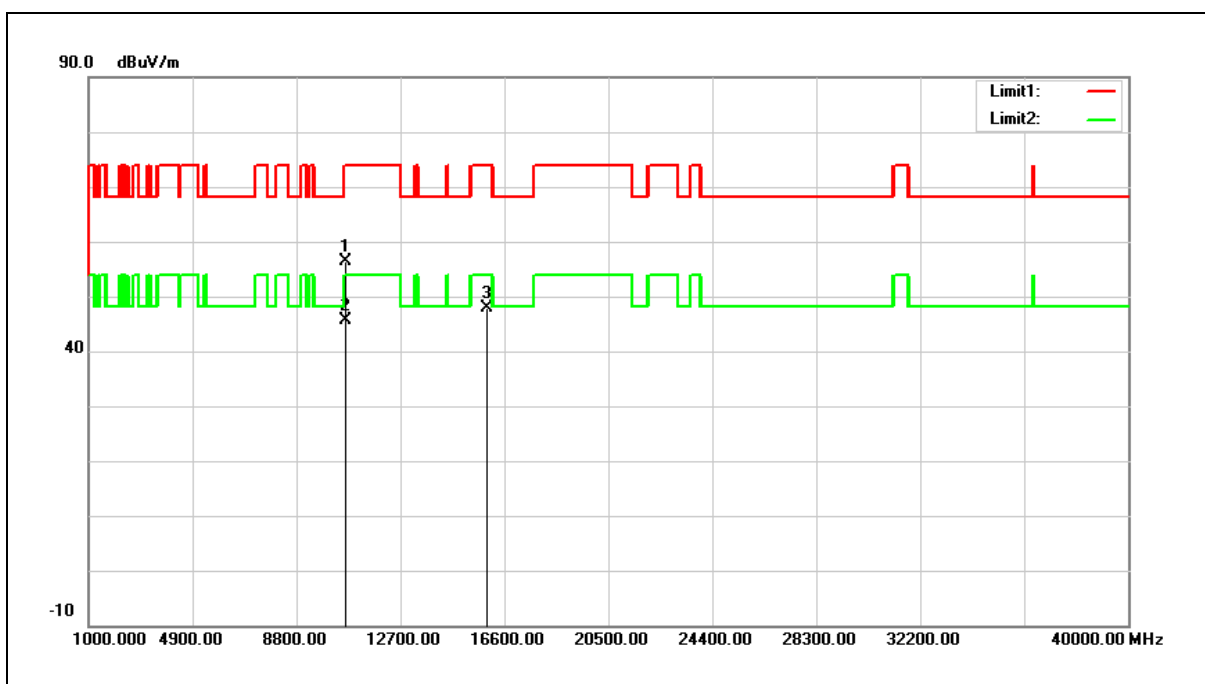
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	43.02	12.14	55.16	74.00	-18.84	peak
2	10640.000	32.98	12.14	45.12	54.00	-8.88	AVG
3	15960.000	35.08	13.63	48.71	74.00	-25.29	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



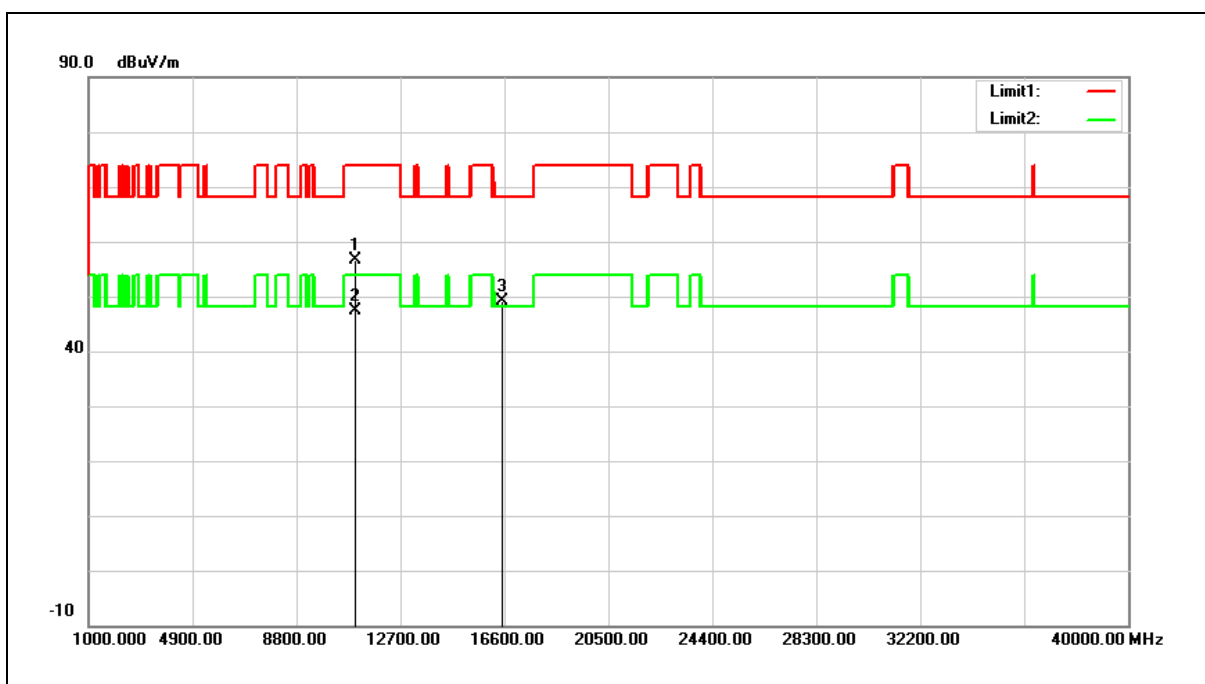
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	44.31	12.14	56.45	74.00	-17.55	peak
2	10640.000	33.38	12.14	45.52	54.00	-8.48	AVG
3	15960.000	34.16	13.63	47.79	74.00	-26.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



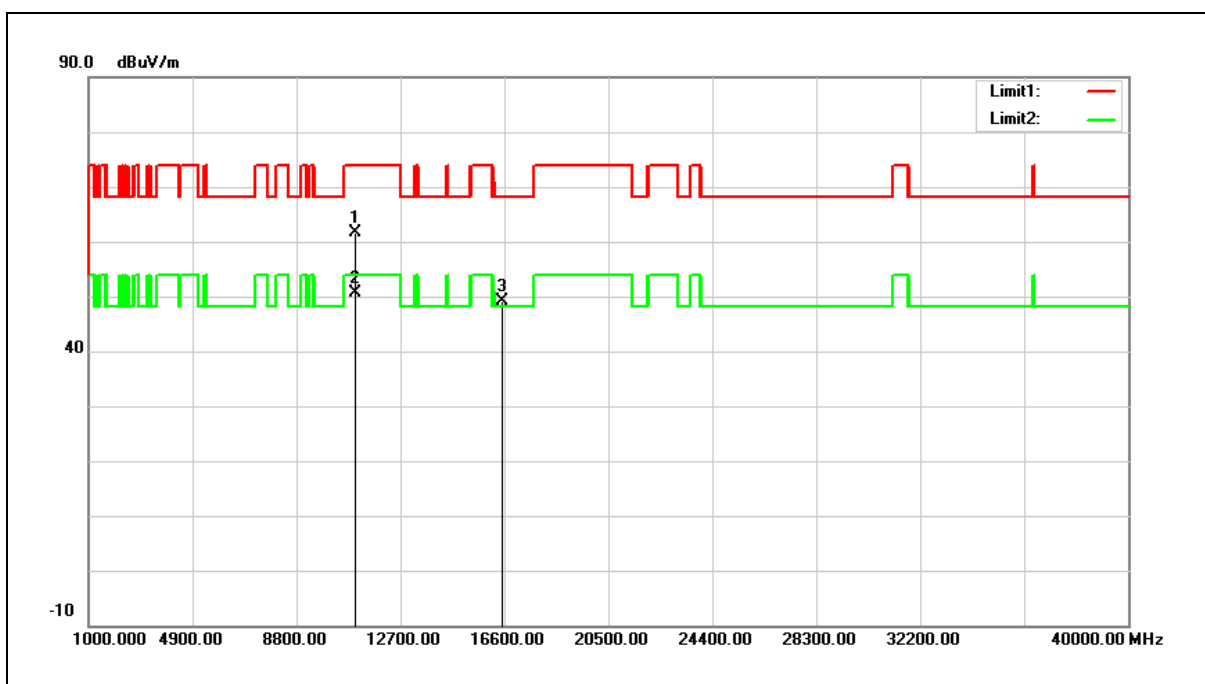
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	44.16	12.39	56.55	74.00	-17.45	peak
2	11000.000	34.90	12.39	47.29	54.00	-6.71	AVG
3	16500.000	34.80	14.24	49.04	68.20	-19.16	peak

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		
Frequency:	5500 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



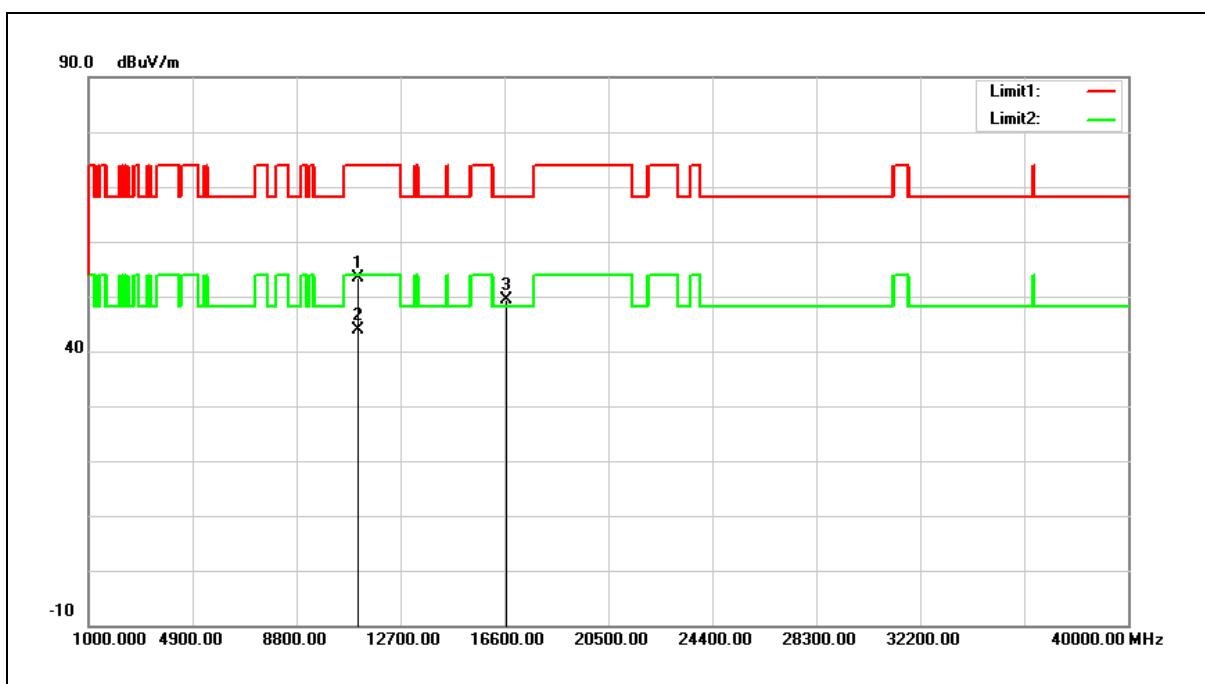
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	49.12	12.39	61.51	74.00	-12.49	peak
2	11000.000	38.33	12.39	50.72	54.00	-3.28	AVG
3	16500.000	34.82	14.24	49.06	68.20	-19.14	peak

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		
Frequency:	5560 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



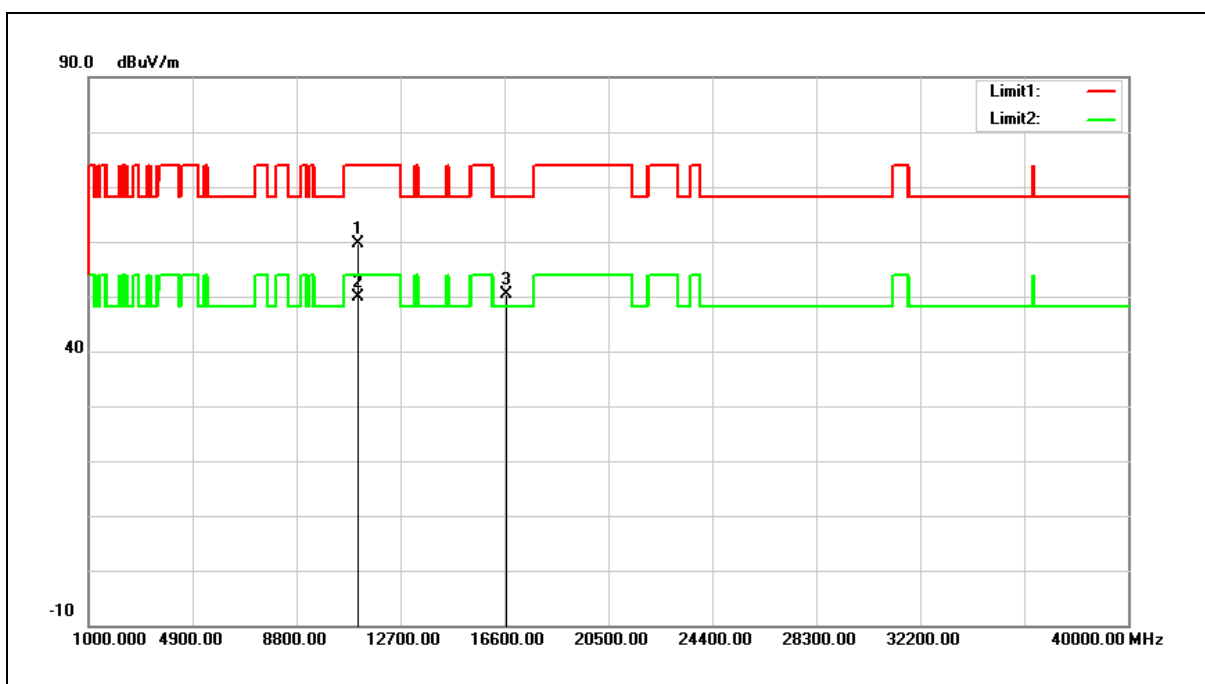
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	40.89	12.46	53.35	74.00	-20.65	peak
2	11120.000	31.31	12.46	43.77	54.00	-10.23	AVG
3	16680.000	34.26	15.22	49.48	68.20	-18.72	peak

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		
Frequency:	5560 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



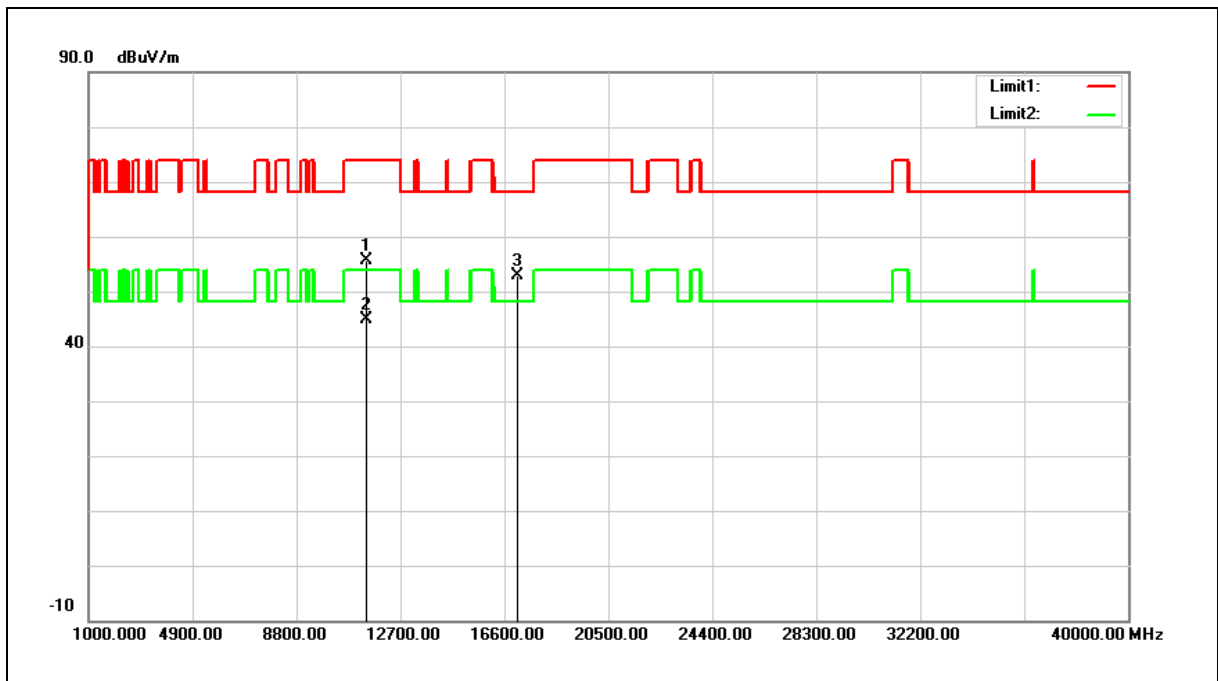
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	47.28	12.46	59.74	74.00	-14.26	peak
2	11120.000	37.50	12.46	49.96	54.00	-4.04	AVG
3	16680.000	35.04	15.22	50.26	68.20	-17.94	peak

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		
Frequency:	5700 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



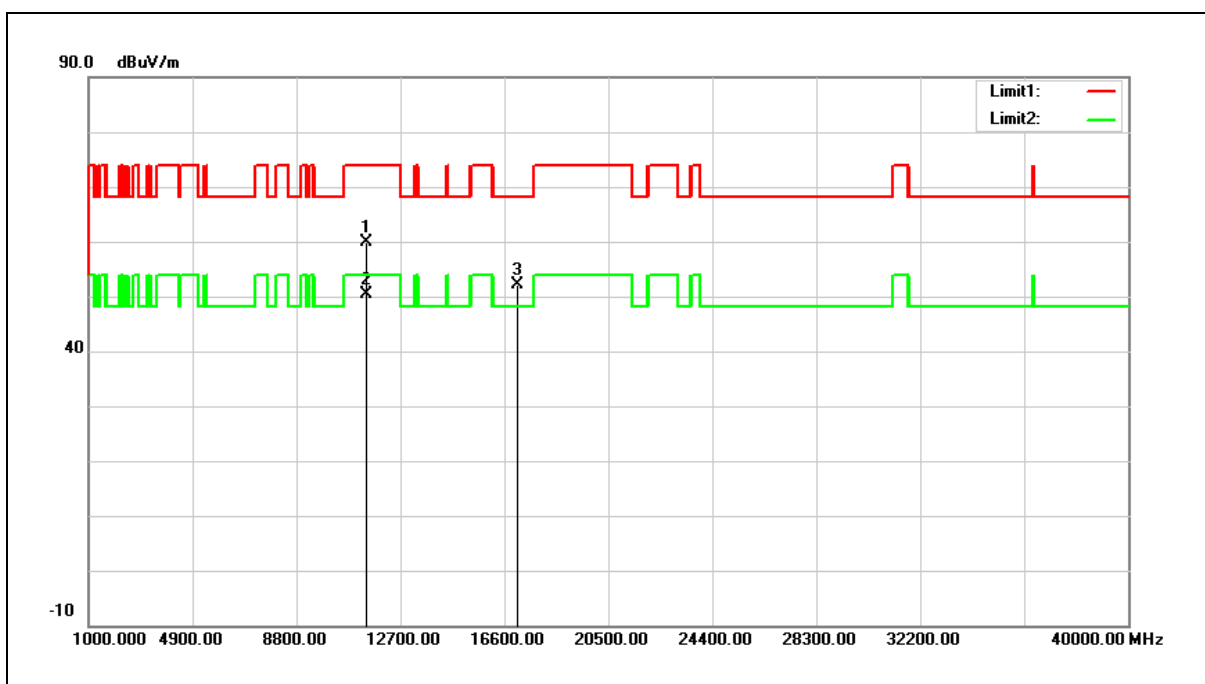
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	42.89	12.63	55.52	74.00	-18.48	peak
2	11400.000	32.16	12.63	44.79	54.00	-9.21	AVG
3	17100.000	35.36	17.63	52.99	68.20	-15.21	peak

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:	Harmonic		
Frequency:	5700 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



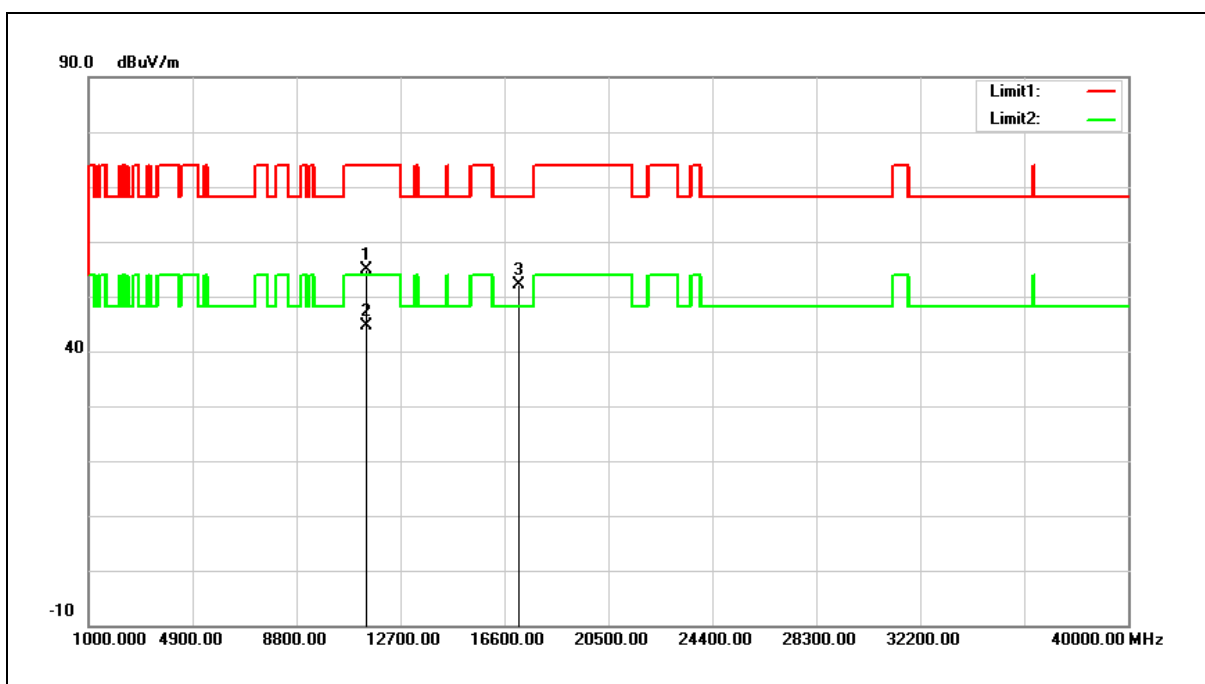
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	47.18	12.63	59.81	74.00	-14.19	peak
2	11400.000	37.65	12.63	50.28	54.00	-3.72	AVG
3	17100.000	34.44	17.63	52.07	68.20	-16.13	peak

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

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

3.When the peak 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		
Frequency:	5720 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



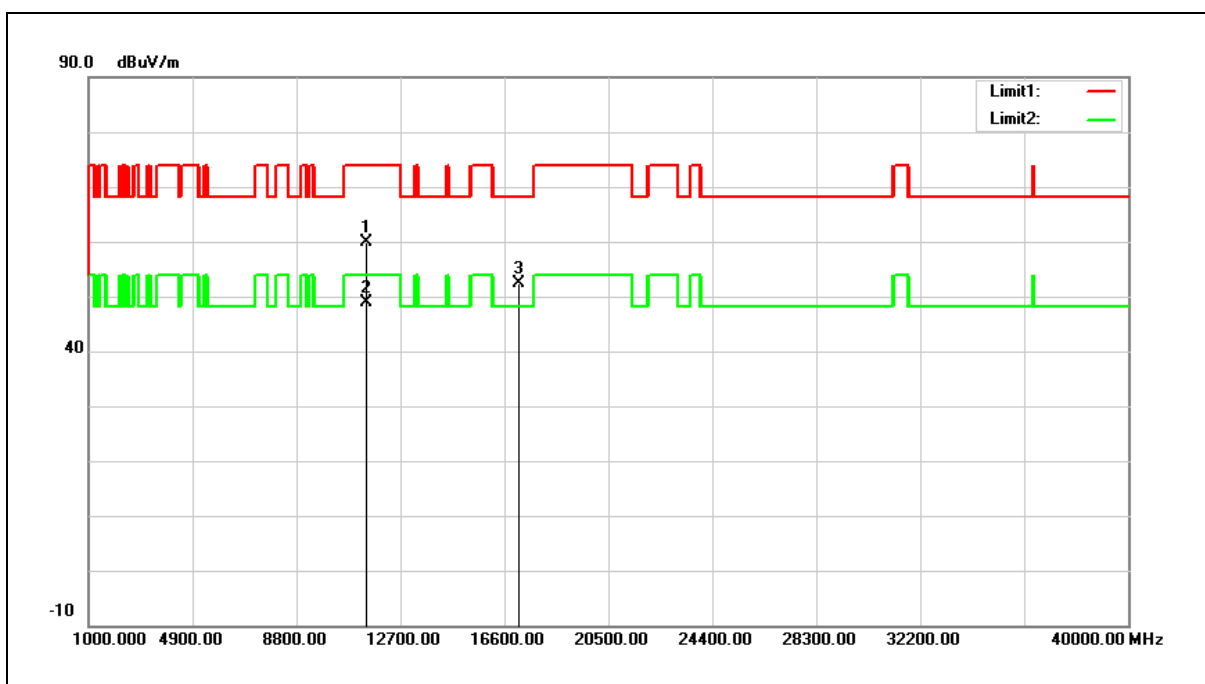
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	42.28	12.65	54.93	74.00	-19.07	peak
2	11440.000	31.98	12.65	44.63	54.00	-9.37	AVG
3	17160.000	34.01	18.02	52.03	68.20	-16.17	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5720 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



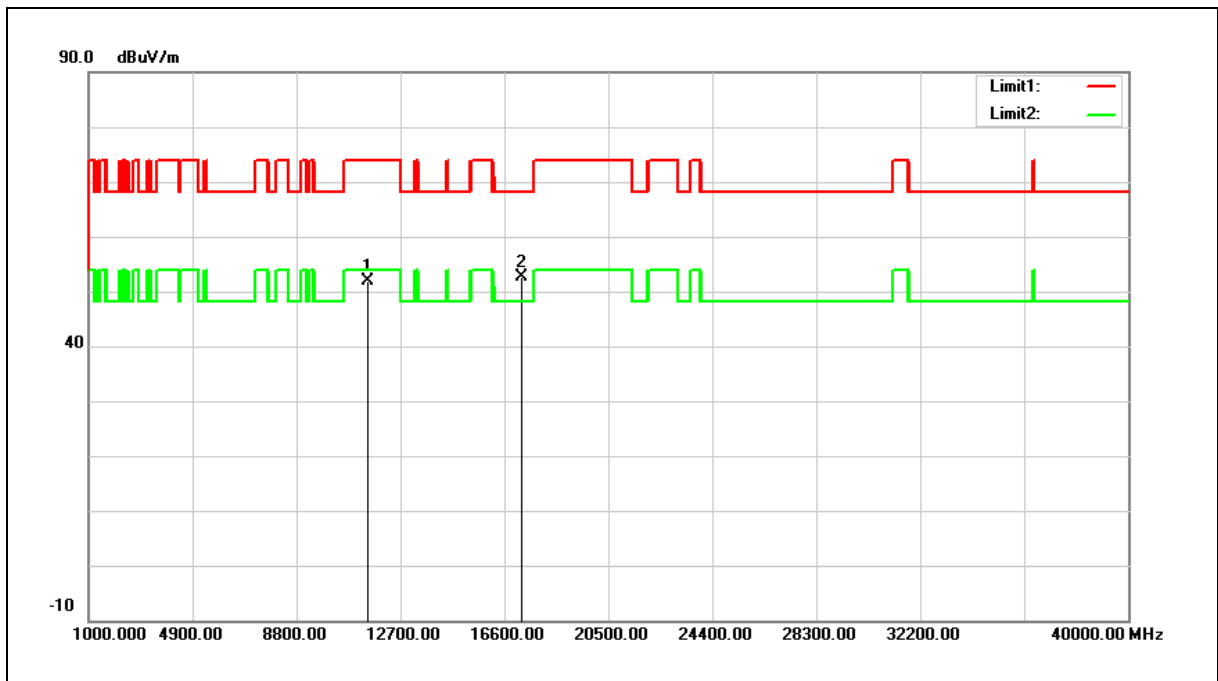
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	47.30	12.65	59.95	74.00	-14.05	peak
2	11440.000	36.27	12.65	48.92	54.00	-5.08	AVG
3	17160.000	34.38	18.02	52.40	68.20	-15.80	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



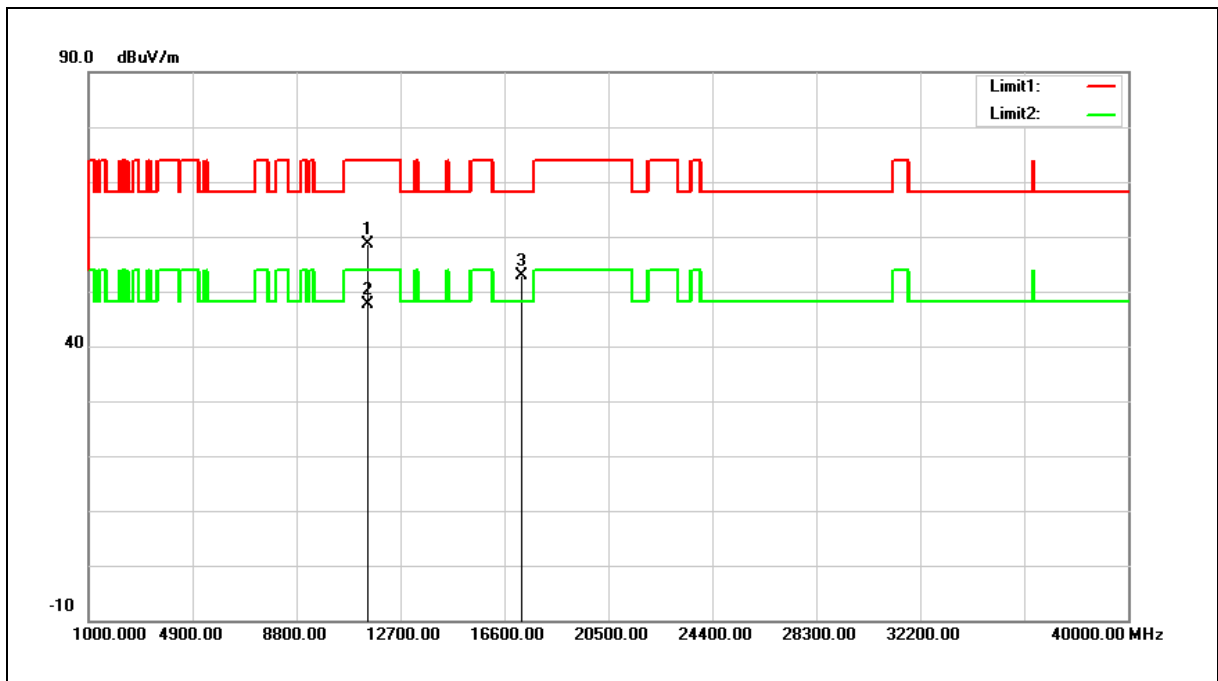
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	39.11	12.68	51.79	74.00	-22.21	peak
2	17235.000	34.21	18.52	52.73	68.20	-15.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



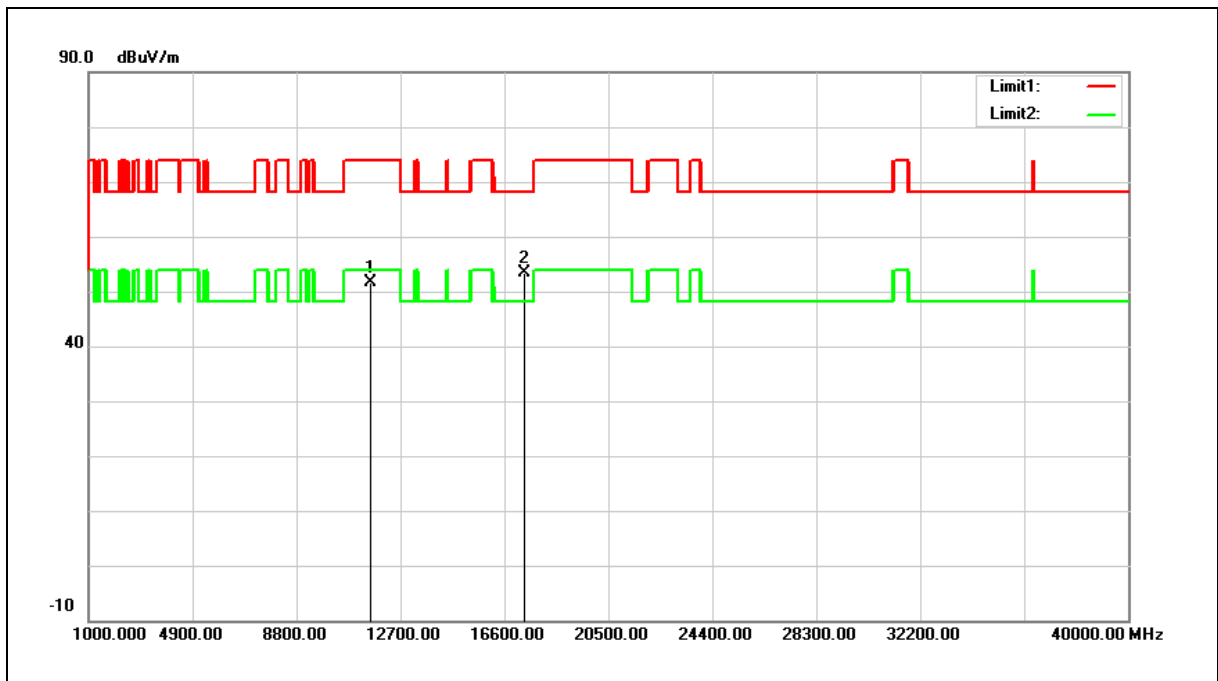
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	46.01	12.68	58.69	74.00	-15.31	peak
2	11490.000	35.02	12.68	47.70	54.00	-6.30	AVG
3	17235.000	34.30	18.52	52.82	68.20	-15.38	peak

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:	Harmonic		
Frequency:	5785 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



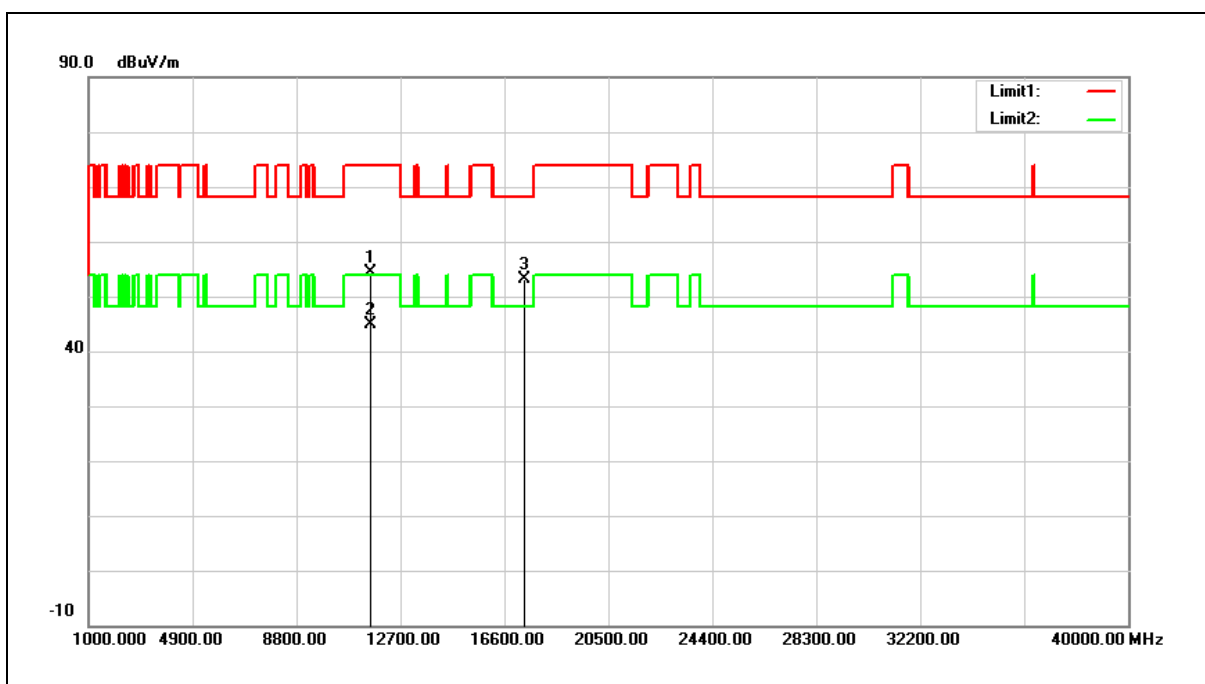
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	39.00	12.59	51.59	74.00	-22.41	peak
2	17355.000	34.12	19.32	53.44	68.20	-14.76	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



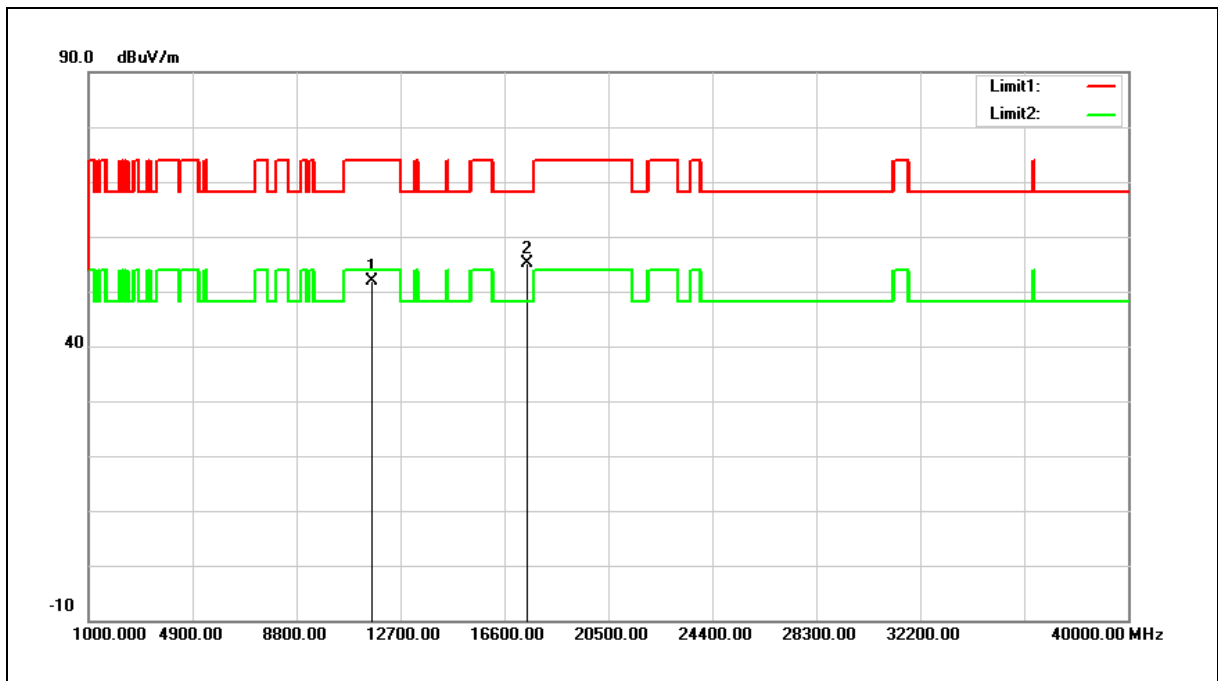
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	41.91	12.59	54.50	74.00	-19.50	peak
2	11570.000	32.39	12.59	44.98	54.00	-9.02	AVG
3	17355.000	33.87	19.32	53.19	68.20	-15.01	peak

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		
Frequency:	5825 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



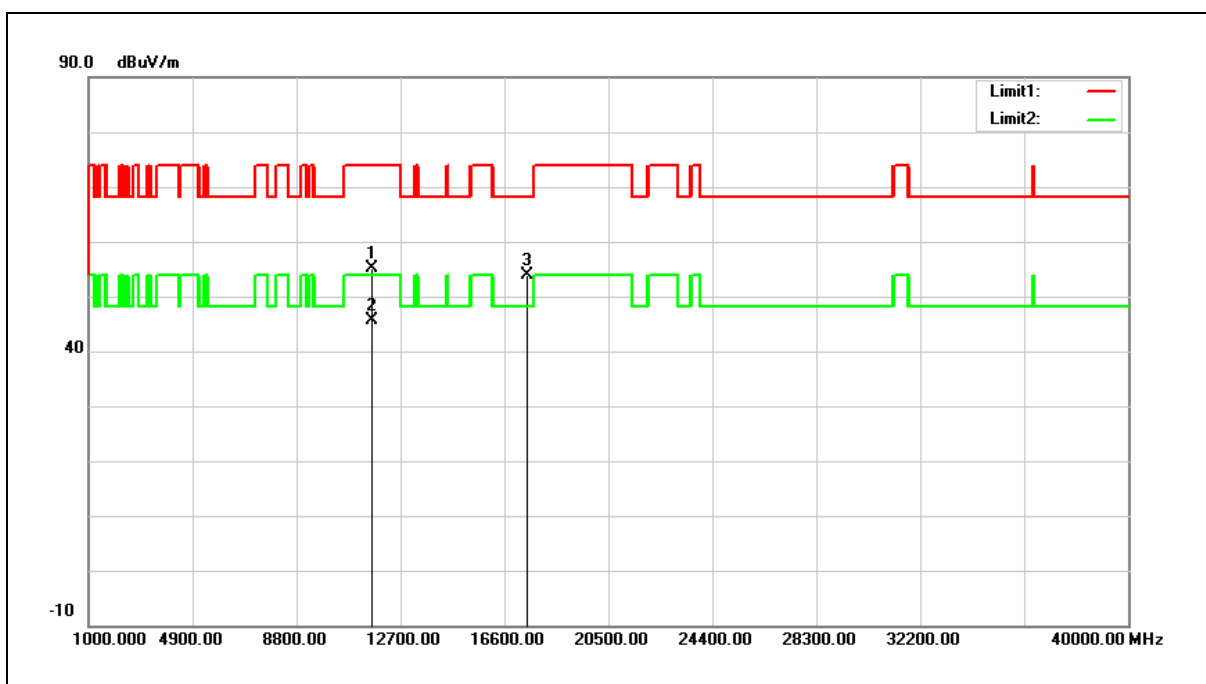
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	39.32	12.48	51.80	74.00	-22.20	peak
2	17475.000	35.02	20.13	55.15	68.20	-13.05	peak

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		
Frequency:	5825 MHz		
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	42.67	12.48	55.15	74.00	-18.85	peak
2	11650.000	33.14	12.48	45.62	54.00	-8.38	AVG
3	17475.000	33.77	20.13	53.90	68.20	-14.30	peak

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

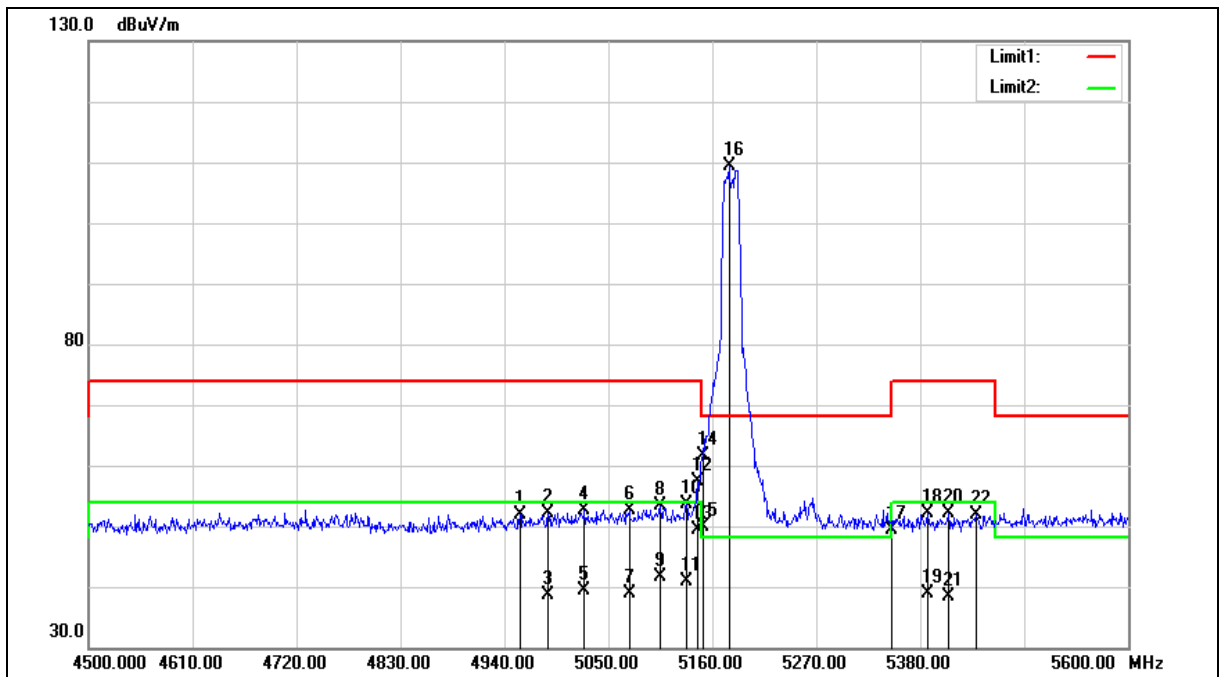
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
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	4956.500	52.70	-0.89	51.81	74.00	-22.19	peak
2	4986.200	52.97	-0.81	52.16	74.00	-21.84	peak
3	4986.200	39.48	-0.81	38.67	54.00	-15.33	AVG
4	5024.700	53.29	-0.72	52.57	74.00	-21.43	peak
5	5024.700	40.12	-0.72	39.40	54.00	-14.60	AVG
6	5072.000	53.16	-0.63	52.53	74.00	-21.47	peak
7	5072.000	39.61	-0.63	38.98	54.00	-15.02	AVG
8	5105.000	54.03	-0.57	53.46	74.00	-20.54	peak
9	5105.000	42.20	-0.57	41.63	54.00	-12.37	AVG
10	5132.500	54.09	-0.51	53.58	74.00	-20.42	peak
11	5132.500	41.43	-0.51	40.92	54.00	-13.08	AVG
12	5144.600	57.95	-0.48	57.47	74.00	-16.53	peak
13	5144.600	49.92	-0.48	49.44	54.00	-4.56	AVG
14	5150.000	62.00	-0.48	61.52	74.00	-12.48	peak
15	5150.000	50.45	-0.48	49.97	54.00	-4.03	AVG
16	5177.600	109.69	-0.42	109.27	--	--	peak
17	5350.000	49.55	-0.08	49.47	74.00	-24.53	peak
18	5387.700	52.14	0.00	52.14	74.00	-21.86	peak
19	5387.700	38.88	0.00	38.88	54.00	-15.12	AVG
20	5409.700	52.13	0.04	52.17	74.00	-21.83	peak
21	5409.700	38.33	0.04	38.37	54.00	-15.63	AVG
22	5439.400	51.72	0.09	51.81	74.00	-22.19	peak

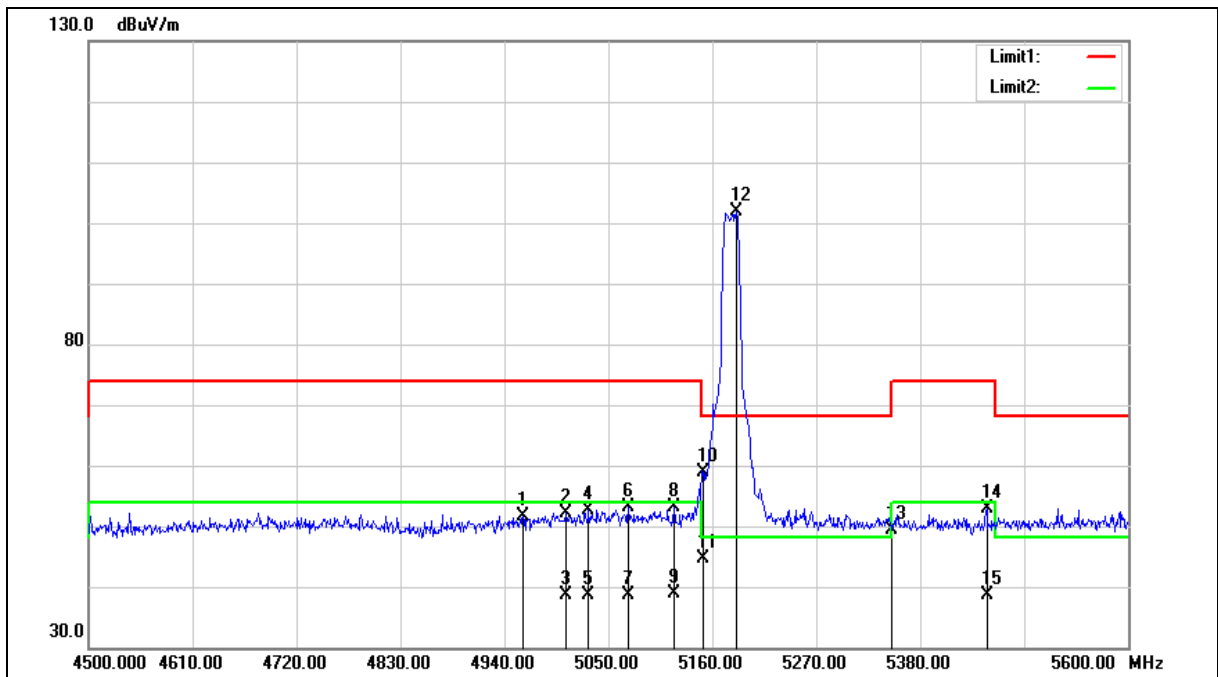
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
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	4959.800	52.51	-0.88	51.63	74.00	-22.37	peak
2	5004.900	52.86	-0.77	52.09	74.00	-21.91	peak
3	5004.900	39.45	-0.77	38.68	54.00	-15.32	AVG
4	5029.100	53.43	-0.72	52.71	74.00	-21.29	peak
5	5029.100	39.42	-0.72	38.70	54.00	-15.30	AVG
6	5070.900	53.81	-0.63	53.18	74.00	-20.82	peak
7	5070.900	39.36	-0.63	38.73	54.00	-15.27	AVG
8	5119.300	53.57	-0.53	53.04	74.00	-20.96	peak
9	5119.300	39.44	-0.53	38.91	54.00	-15.09	AVG
10	5150.000	59.25	-0.48	58.77	74.00	-15.23	peak
11	5150.000	45.09	-0.48	44.61	54.00	-9.39	AVG
12	5185.300	102.17	-0.40	101.77	--	--	peak
13	5350.000	49.45	-0.08	49.37	74.00	-24.63	peak
14	5450.400	52.79	0.12	52.91	74.00	-21.09	peak
15	5450.400	38.62	0.12	38.74	54.00	-15.26	AVG

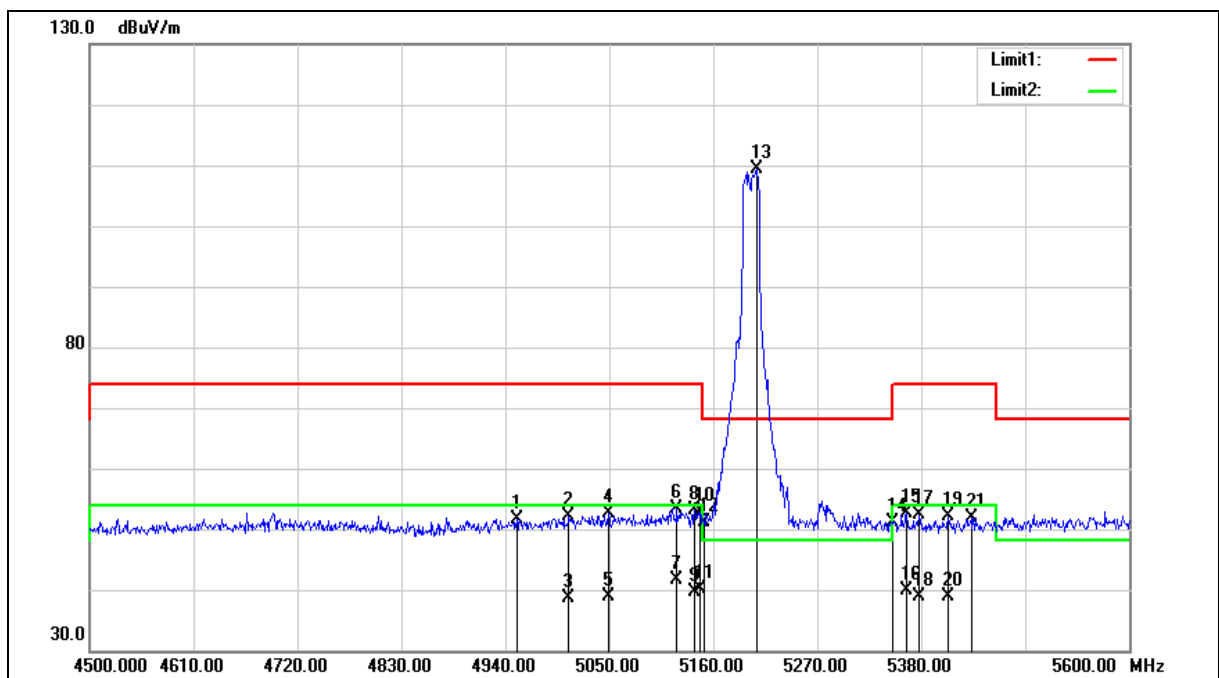
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5200 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
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	4952.100	52.58	-0.90	51.68	74.00	-22.32	peak
2	5007.100	52.91	-0.76	52.15	74.00	-21.85	peak
3	5007.100	39.42	-0.76	38.66	54.00	-15.34	AVG
4	5048.900	53.21	-0.68	52.53	74.00	-21.47	peak
5	5048.900	39.51	-0.68	38.83	54.00	-15.17	AVG
6	5121.500	53.97	-0.53	53.44	74.00	-20.56	peak
7	5121.500	42.26	-0.53	41.73	54.00	-12.27	AVG
8	5140.200	53.57	-0.49	53.08	74.00	-20.92	peak
9	5140.200	40.03	-0.49	39.54	54.00	-14.46	AVG
10	5145.700	53.38	-0.48	52.90	74.00	-21.10	peak
11	5145.700	40.64	-0.48	40.16	54.00	-13.84	AVG
12	5150.000	51.57	-0.48	51.09	74.00	-22.91	peak
13	5206.200	109.67	-0.37	109.30	--	--	peak
14	5350.000	51.12	-0.08	51.04	74.00	-22.96	peak
15	5364.600	52.57	-0.05	52.52	74.00	-21.48	peak
16	5364.600	39.95	-0.05	39.90	54.00	-14.10	AVG
17	5377.800	52.41	-0.03	52.38	74.00	-21.62	peak
18	5377.800	38.80	-0.03	38.77	54.00	-15.23	AVG
19	5408.600	52.06	0.04	52.10	74.00	-21.90	peak
20	5408.600	38.76	0.04	38.80	54.00	-15.20	AVG
21	5432.800	51.86	0.09	51.95	74.00	-22.05	peak

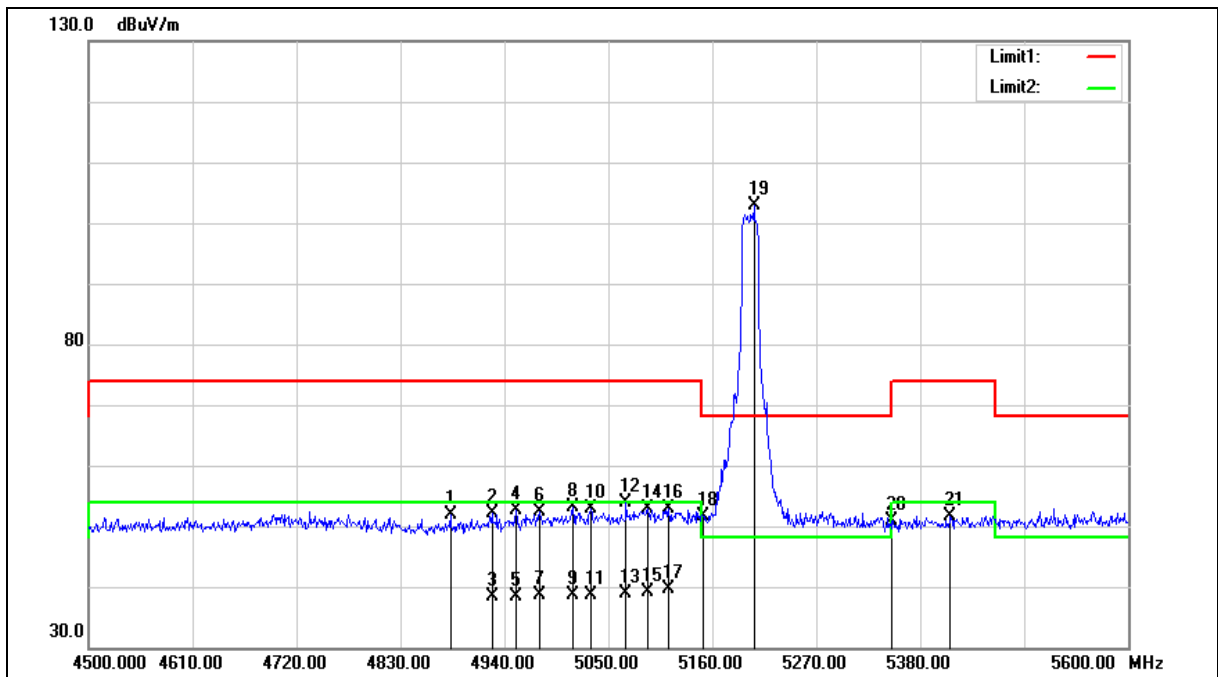
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
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	4882.800	53.08	-1.10	51.98	74.00	-22.02	peak
2	4926.800	53.22	-0.97	52.25	74.00	-21.75	peak
3	4926.800	39.24	-0.97	38.27	54.00	-15.73	AVG
4	4952.100	53.63	-0.90	52.73	74.00	-21.27	peak
5	4952.100	39.33	-0.90	38.43	54.00	-15.57	AVG
6	4977.400	53.14	-0.83	52.31	74.00	-21.69	peak
7	4977.400	39.35	-0.83	38.52	54.00	-15.48	AVG
8	5012.600	53.78	-0.74	53.04	74.00	-20.96	peak
9	5012.600	39.34	-0.74	38.60	54.00	-15.40	AVG
10	5031.300	53.61	-0.70	52.91	74.00	-21.09	peak
11	5031.300	39.40	-0.70	38.70	54.00	-15.30	AVG
12	5068.700	54.49	-0.64	53.85	74.00	-20.15	peak
13	5068.700	39.53	-0.64	38.89	54.00	-15.11	AVG
14	5091.800	53.50	-0.60	52.90	74.00	-21.10	peak
15	5091.800	39.62	-0.60	39.02	54.00	-14.98	AVG
16	5113.800	53.44	-0.55	52.89	74.00	-21.11	peak
17	5113.800	40.27	-0.55	39.72	54.00	-14.28	AVG
18	5150.000	52.01	-0.48	51.53	74.00	-22.47	peak
19	5204.000	103.21	-0.37	102.84	--	--	peak
20	5350.000	50.96	-0.08	50.88	74.00	-23.12	peak
21	5411.900	51.63	0.04	51.67	74.00	-22.33	peak

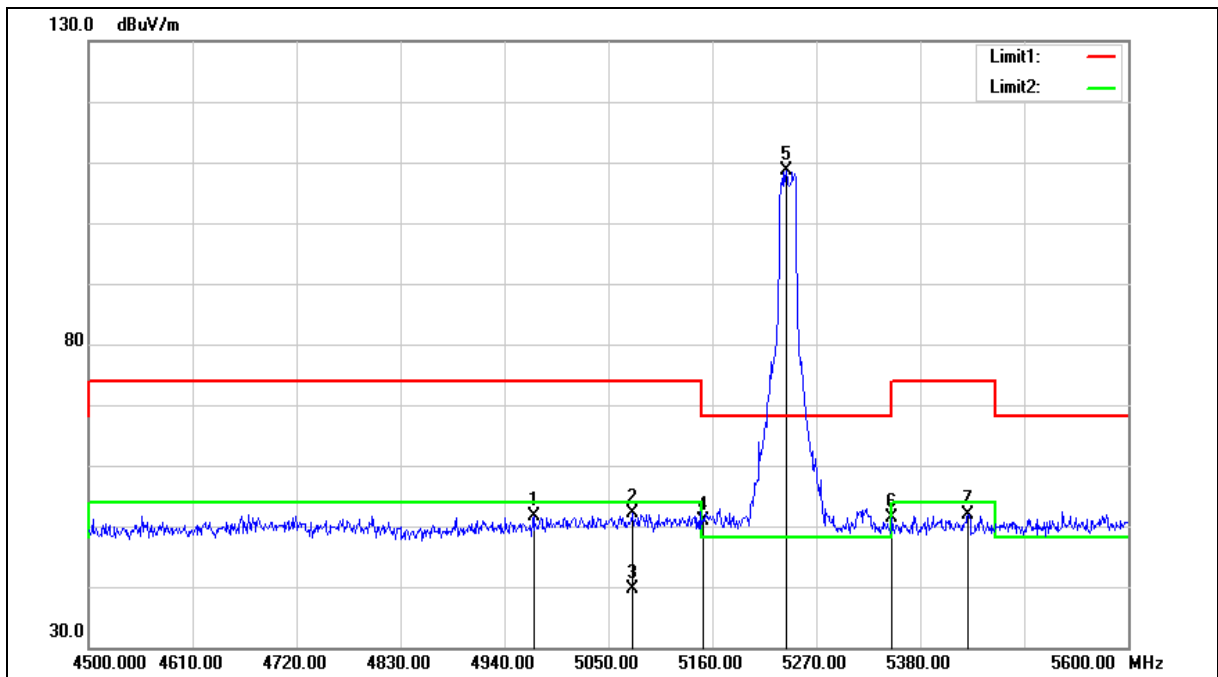
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5240 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
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	4970.800	52.52	-0.84	51.68	74.00	-22.32	peak
2	5075.300	52.78	-0.62	52.16	74.00	-21.84	peak
3	5075.300	40.17	-0.62	39.55	54.00	-14.45	AVG
4	5150.000	51.36	-0.48	50.88	74.00	-23.12	peak
5	5238.100	108.85	-0.31	108.54	--	--	peak
6	5350.000	51.43	-0.08	51.35	74.00	-22.65	peak
7	5430.600	51.77	0.08	51.85	74.00	-22.15	peak

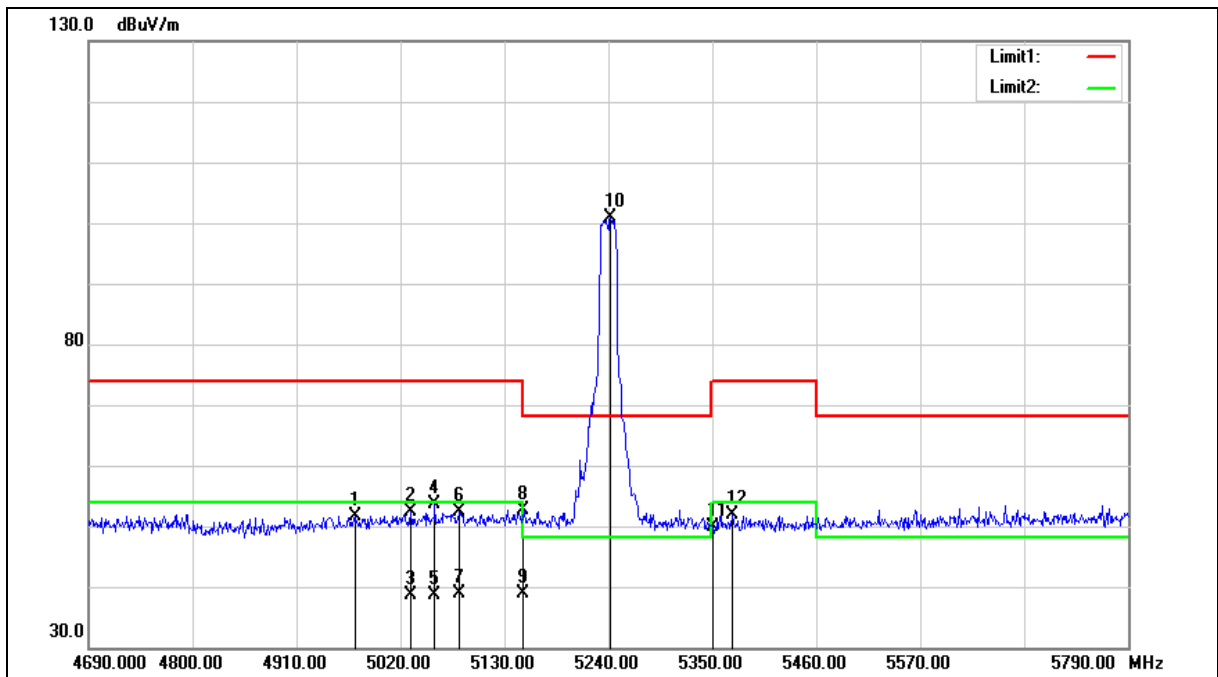
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
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	4971.600	52.57	-0.84	51.73	74.00	-22.27	peak
2	5031.000	53.16	-0.72	52.44	74.00	-21.56	peak
3	5031.000	39.30	-0.72	38.58	54.00	-15.42	AVG
4	5056.300	54.21	-0.65	53.56	74.00	-20.44	peak
5	5056.300	39.16	-0.65	38.51	54.00	-15.49	AVG
6	5082.700	52.87	-0.60	52.27	74.00	-21.73	peak
7	5082.700	39.46	-0.60	38.86	54.00	-15.14	AVG
8	5150.000	53.11	-0.48	52.63	74.00	-21.37	peak
9	5150.000	39.41	-0.48	38.93	54.00	-15.07	AVG
10	5242.200	101.05	-0.29	100.76	--	--	peak
11	5350.000	49.96	-0.08	49.88	74.00	-24.12	peak
12	5370.900	51.86	-0.03	51.83	74.00	-22.17	peak

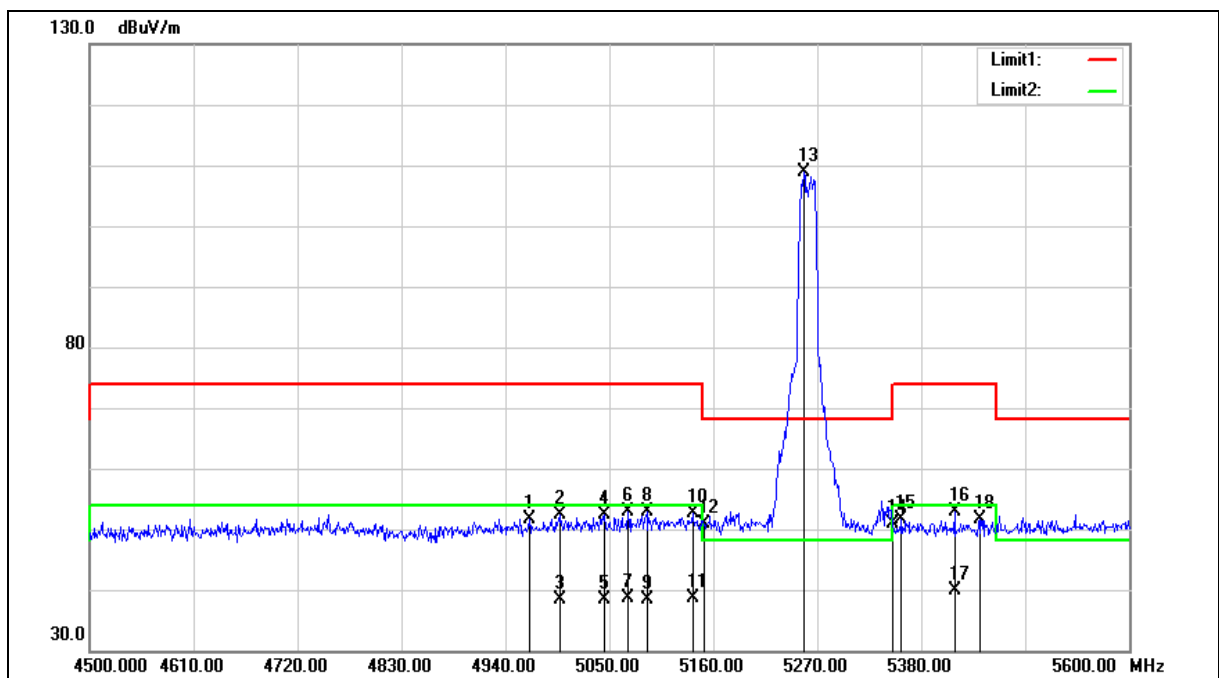
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5260 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5260 MHz		
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	4965.300	52.41	-0.87	51.54	74.00	-22.46	peak
2	4997.200	53.17	-0.78	52.39	74.00	-21.61	peak
3	4997.200	39.19	-0.78	38.41	54.00	-15.59	AVG
4	5044.500	53.04	-0.68	52.36	74.00	-21.64	peak
5	5044.500	39.18	-0.68	38.50	54.00	-15.50	AVG
6	5069.800	53.49	-0.63	52.86	74.00	-21.14	peak
7	5069.800	39.17	-0.63	38.54	54.00	-15.46	AVG
8	5089.600	53.38	-0.60	52.78	74.00	-21.22	peak
9	5089.600	39.06	-0.60	38.46	54.00	-15.54	AVG
10	5138.000	53.22	-0.49	52.73	74.00	-21.27	peak
11	5138.000	39.00	-0.49	38.51	54.00	-15.49	AVG
12	5150.000	51.24	-0.48	50.76	74.00	-23.24	peak
13	5255.700	109.27	-0.27	109.00	--	--	peak
14	5350.000	50.88	-0.08	50.80	74.00	-23.20	peak
15	5359.100	51.59	-0.06	51.53	74.00	-22.47	peak
16	5415.200	52.85	0.05	52.90	74.00	-21.10	peak
17	5415.200	39.76	0.05	39.81	54.00	-14.19	AVG
18	5441.600	51.60	0.09	51.69	74.00	-22.31	peak

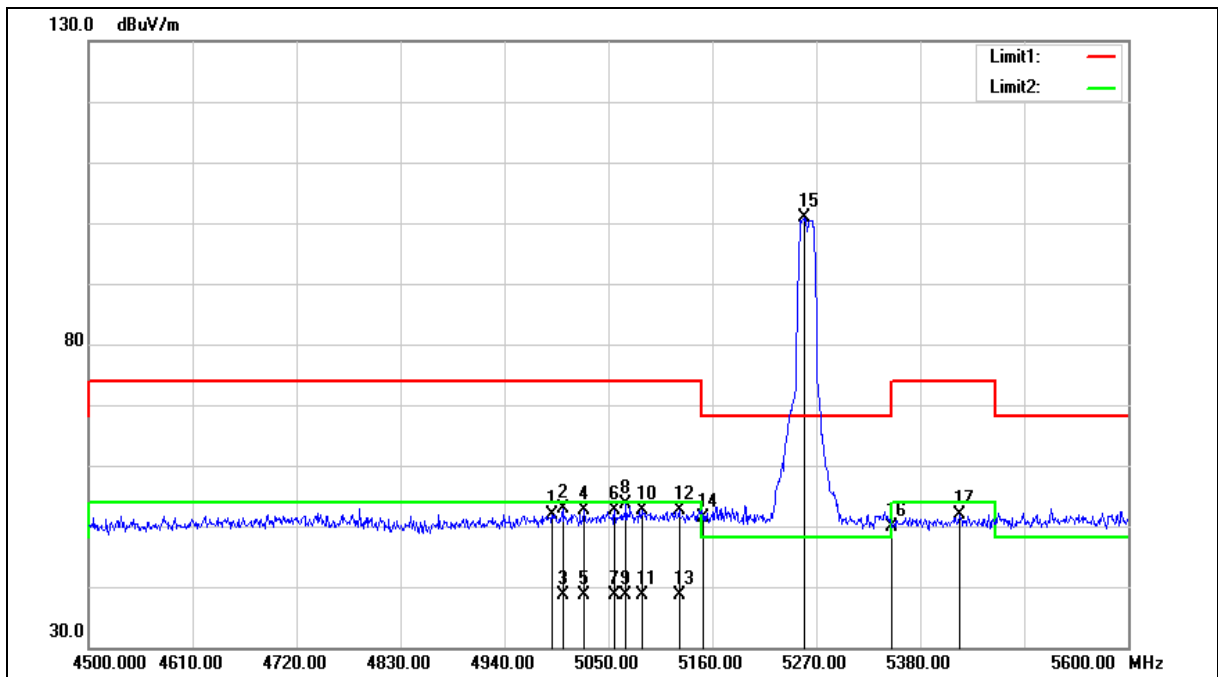
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5260 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5260 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		

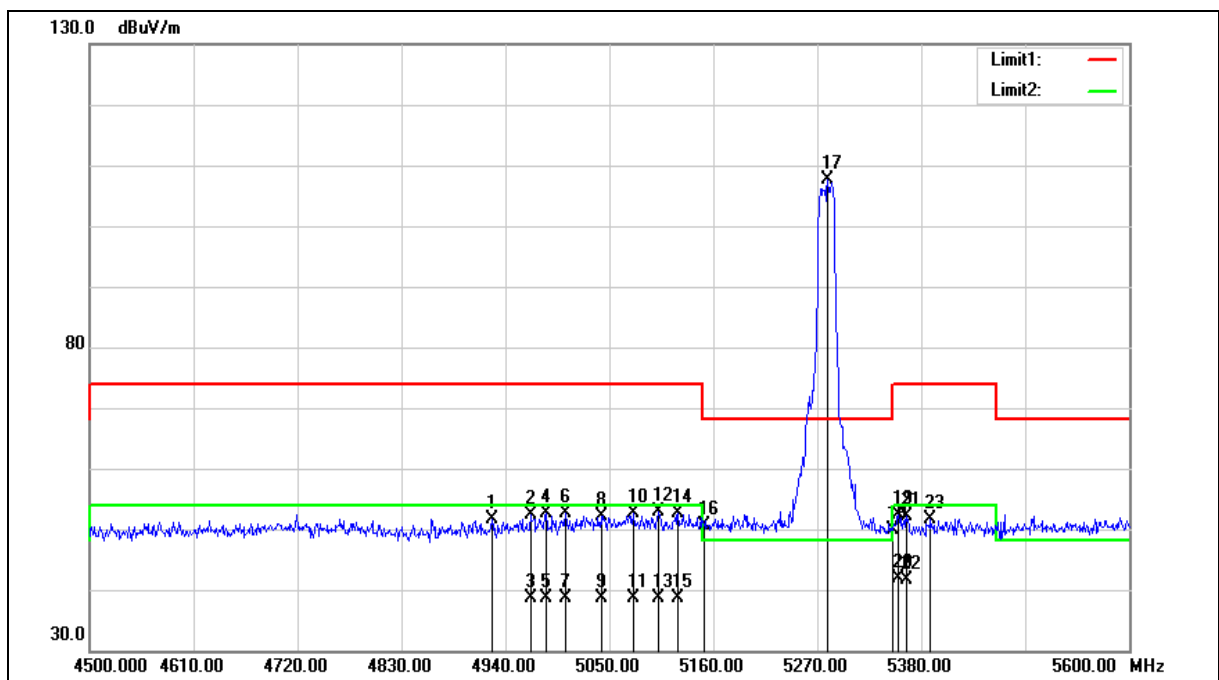
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4990.600	52.71	-0.79	51.92	74.00	-22.08	peak
2	5001.600	53.54	-0.77	52.77	74.00	-21.23	peak
3	5001.600	39.29	-0.77	38.52	54.00	-15.48	AVG
4	5023.600	53.34	-0.72	52.62	74.00	-21.38	peak
5	5023.600	39.29	-0.72	38.57	54.00	-15.43	AVG
6	5056.600	53.22	-0.65	52.57	74.00	-21.43	peak
7	5056.600	39.25	-0.65	38.60	54.00	-15.40	AVG
8	5068.700	54.32	-0.64	53.68	74.00	-20.32	peak
9	5068.700	39.23	-0.64	38.59	54.00	-15.41	AVG
10	5085.200	53.18	-0.60	52.58	74.00	-21.42	peak
11	5085.200	39.15	-0.60	38.55	54.00	-15.45	AVG
12	5124.800	53.04	-0.52	52.52	74.00	-21.48	peak
13	5124.800	39.18	-0.52	38.66	54.00	-15.34	AVG
14	5150.000	51.82	-0.48	51.34	74.00	-22.66	peak
15	5257.900	101.10	-0.26	100.84	--	--	peak
16	5350.000	49.97	-0.08	49.89	74.00	-24.11	peak
17	5421.800	51.91	0.06	51.97	74.00	-22.03	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
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	4925.700	52.52	-0.97	51.55	74.00	-22.45	peak
2	4966.400	53.13	-0.87	52.26	74.00	-21.74	peak
3	4966.400	39.47	-0.87	38.60	54.00	-15.40	AVG
4	4982.900	53.33	-0.82	52.51	74.00	-21.49	peak
5	4982.900	39.41	-0.82	38.59	54.00	-15.41	AVG
6	5003.800	53.31	-0.77	52.54	74.00	-21.46	peak
7	5003.800	39.40	-0.77	38.63	54.00	-15.37	AVG
8	5041.200	52.93	-0.69	52.24	74.00	-21.76	peak
9	5041.200	39.31	-0.69	38.62	54.00	-15.38	AVG
10	5075.300	53.36	-0.62	52.74	74.00	-21.26	peak
11	5075.300	39.19	-0.62	38.57	54.00	-15.43	AVG
12	5101.700	53.45	-0.57	52.88	74.00	-21.12	peak
13	5101.700	39.24	-0.57	38.67	54.00	-15.33	AVG
14	5122.600	53.11	-0.53	52.58	74.00	-21.42	peak
15	5122.600	39.21	-0.53	38.68	54.00	-15.32	AVG
16	5150.000	51.00	-0.48	50.52	74.00	-23.48	peak
17	5281.000	107.84	-0.23	107.61	--	--	peak
18	5350.000	49.87	-0.08	49.79	74.00	-24.21	peak
19	5355.800	52.53	-0.07	52.46	74.00	-21.54	peak
20	5355.800	42.02	-0.07	41.95	54.00	-12.05	AVG
21	5364.600	52.18	-0.05	52.13	74.00	-21.87	peak
22	5364.600	41.64	-0.05	41.59	54.00	-12.41	AVG
23	5389.900	51.66	0.00	51.66	74.00	-22.34	peak

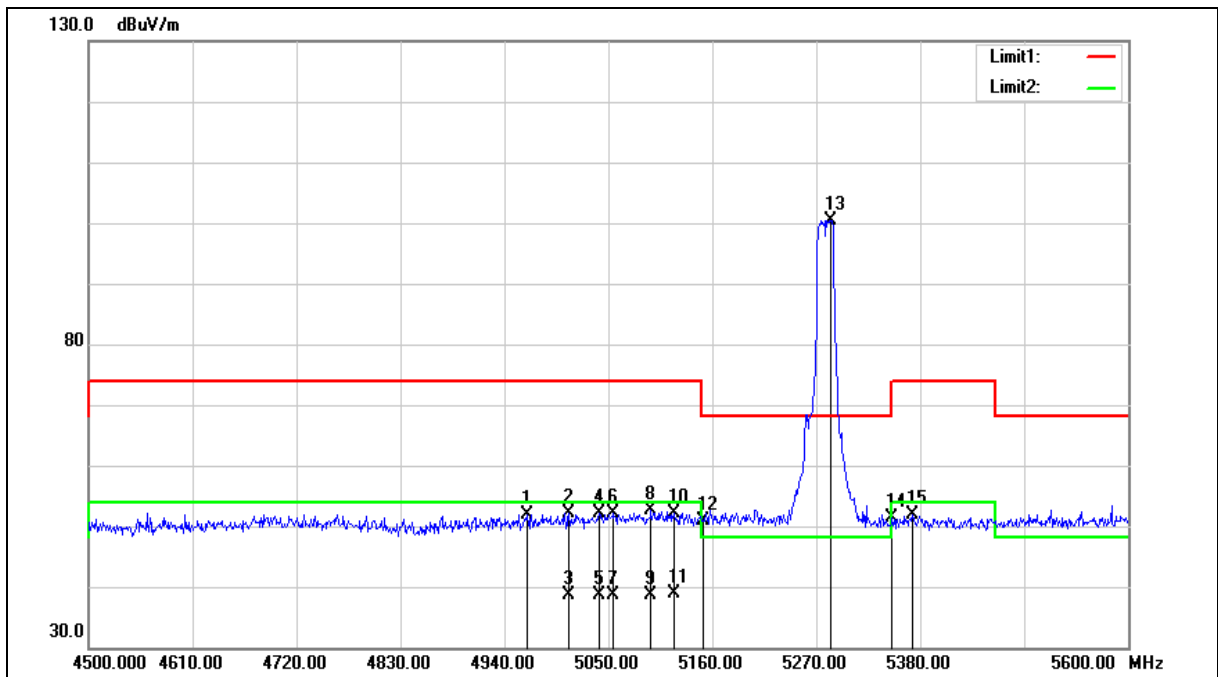
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
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	4964.200	52.78	-0.87	51.91	74.00	-22.09	peak
2	5008.200	52.91	-0.75	52.16	74.00	-21.84	peak
3	5008.200	39.33	-0.75	38.58	54.00	-15.42	AVG
4	5040.100	52.74	-0.69	52.05	74.00	-21.95	peak
5	5040.100	39.30	-0.69	38.61	54.00	-15.39	AVG
6	5055.500	52.78	-0.66	52.12	74.00	-21.88	peak
7	5055.500	39.31	-0.66	38.65	54.00	-15.35	AVG
8	5095.100	53.26	-0.57	52.69	74.00	-21.31	peak
9	5095.100	39.12	-0.57	38.55	54.00	-15.45	AVG
10	5119.300	52.61	-0.53	52.08	74.00	-21.92	peak
11	5119.300	39.29	-0.53	38.76	54.00	-15.24	AVG
12	5150.000	51.32	-0.48	50.84	74.00	-23.16	peak
13	5285.400	100.62	-0.20	100.42	--	--	peak
14	5350.000	51.40	-0.08	51.32	74.00	-22.68	peak
15	5371.200	51.86	-0.03	51.83	74.00	-22.17	peak

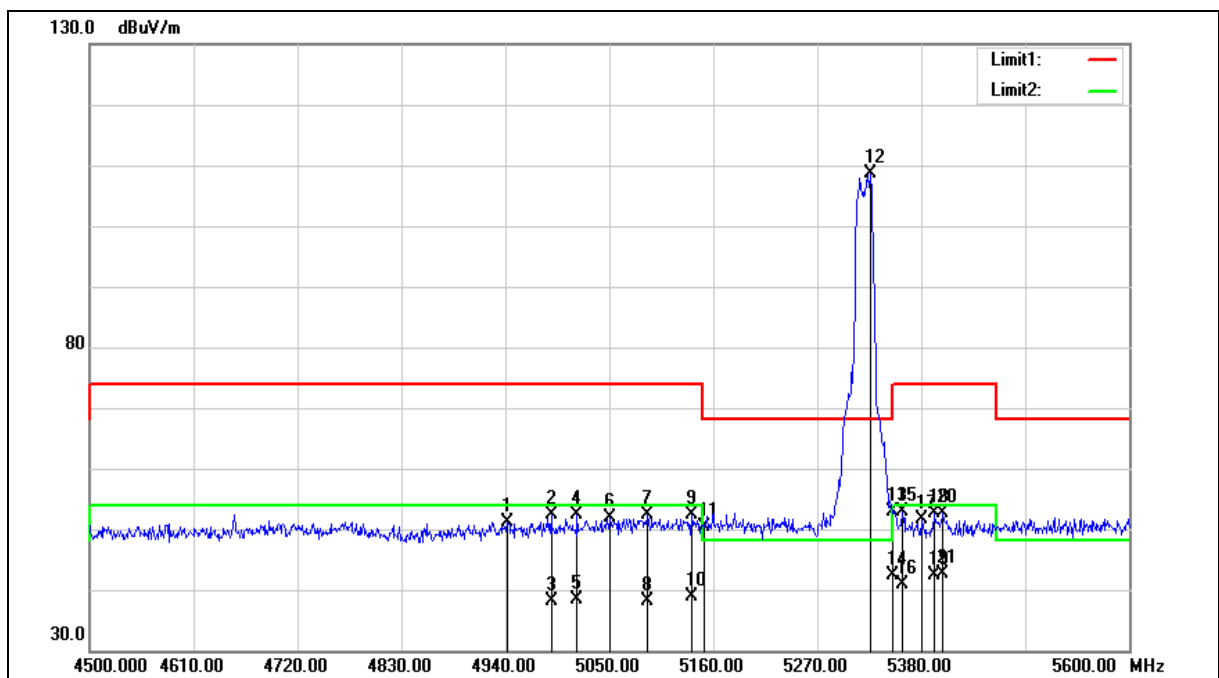
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5320 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
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	4942.200	52.03	-0.93	51.10	74.00	-22.90	peak
2	4988.400	53.14	-0.81	52.33	74.00	-21.67	peak
3	4988.400	38.98	-0.81	38.17	54.00	-15.83	AVG
4	5015.900	53.20	-0.74	52.46	74.00	-21.54	peak
5	5015.900	39.05	-0.74	38.31	54.00	-15.69	AVG
6	5050.000	52.54	-0.68	51.86	74.00	-22.14	peak
7	5090.700	52.86	-0.60	52.26	74.00	-21.74	peak
8	5090.700	38.85	-0.60	38.25	54.00	-15.75	AVG
9	5136.900	52.81	-0.50	52.31	74.00	-21.69	peak
10	5136.900	39.37	-0.50	38.87	54.00	-15.13	AVG
11	5150.000	50.88	-0.48	50.40	74.00	-23.60	peak
12	5326.100	108.68	-0.12	108.56	--	--	peak
13	5350.000	53.03	-0.08	52.95	74.00	-21.05	peak
14	5350.000	42.56	-0.08	42.48	54.00	-11.52	AVG
15	5360.200	52.85	-0.06	52.79	74.00	-21.21	peak
16	5360.200	41.03	-0.06	40.97	54.00	-13.03	AVG
17	5381.100	51.62	-0.03	51.59	74.00	-22.41	peak
18	5394.300	52.58	0.01	52.59	74.00	-21.41	peak
19	5394.300	42.46	0.01	42.47	54.00	-11.53	AVG
20	5403.100	52.53	0.02	52.55	74.00	-21.45	peak
21	5403.100	42.50	0.02	42.52	54.00	-11.48	AVG

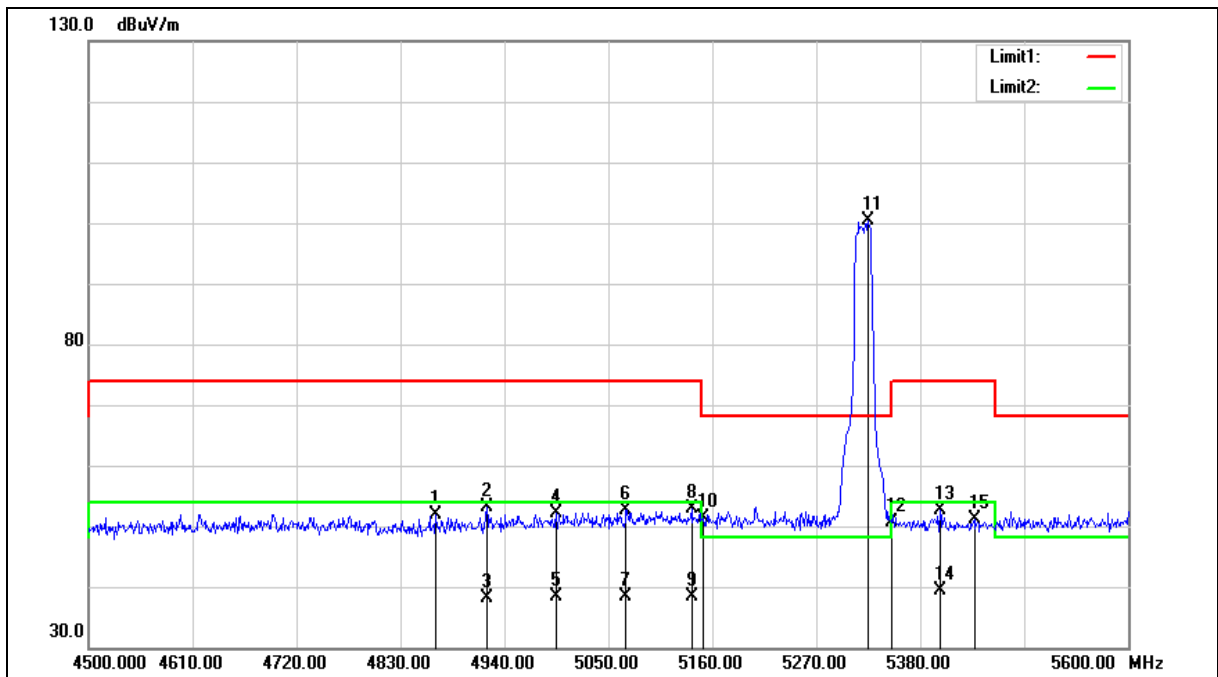
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
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	4867.400	52.91	-1.13	51.78	74.00	-22.22	peak
2	4921.300	54.14	-0.99	53.15	74.00	-20.85	peak
3	4921.300	39.06	-0.99	38.07	54.00	-15.93	AVG
4	4995.000	52.96	-0.78	52.18	74.00	-21.82	peak
5	4995.000	39.14	-0.78	38.36	54.00	-15.64	AVG
6	5068.700	53.36	-0.64	52.72	74.00	-21.28	peak
7	5068.700	39.07	-0.64	38.43	54.00	-15.57	AVG
8	5138.000	53.32	-0.49	52.83	74.00	-21.17	peak
9	5138.000	38.87	-0.49	38.38	54.00	-15.62	AVG
10	5150.000	51.78	-0.48	51.30	74.00	-22.70	peak
11	5325.000	100.41	-0.13	100.28	--	--	peak
12	5350.000	50.59	-0.08	50.51	74.00	-23.49	peak
13	5400.900	52.69	0.02	52.71	74.00	-21.29	peak
14	5400.900	39.24	0.02	39.26	54.00	-14.74	AVG
15	5437.200	50.97	0.09	51.06	74.00	-22.94	peak

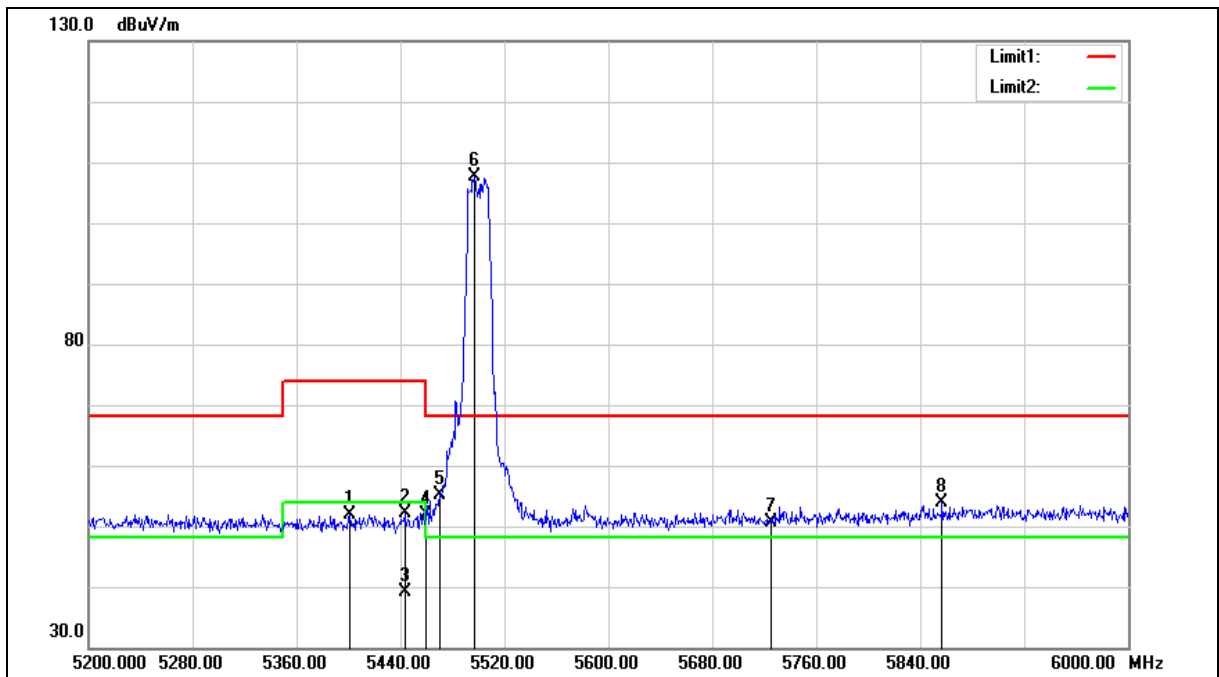
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge		
Frequency:	5500 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
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	5400.800	51.87	0.02	51.89	74.00	-22.11	peak
2	5443.200	52.11	0.10	52.21	74.00	-21.79	peak
3	5443.200	39.03	0.10	39.13	54.00	-14.87	AVG
4	5460.000	51.73	0.14	51.87	74.00	-22.13	peak
5	5470.000	54.96	0.16	55.12	68.20	-13.08	peak
6	5496.800	107.30	0.21	107.51	--	--	peak
7	5725.000	49.75	0.82	50.57	68.20	-17.63	peak
8	5856.800	52.64	1.18	53.82	68.20	-14.38	peak

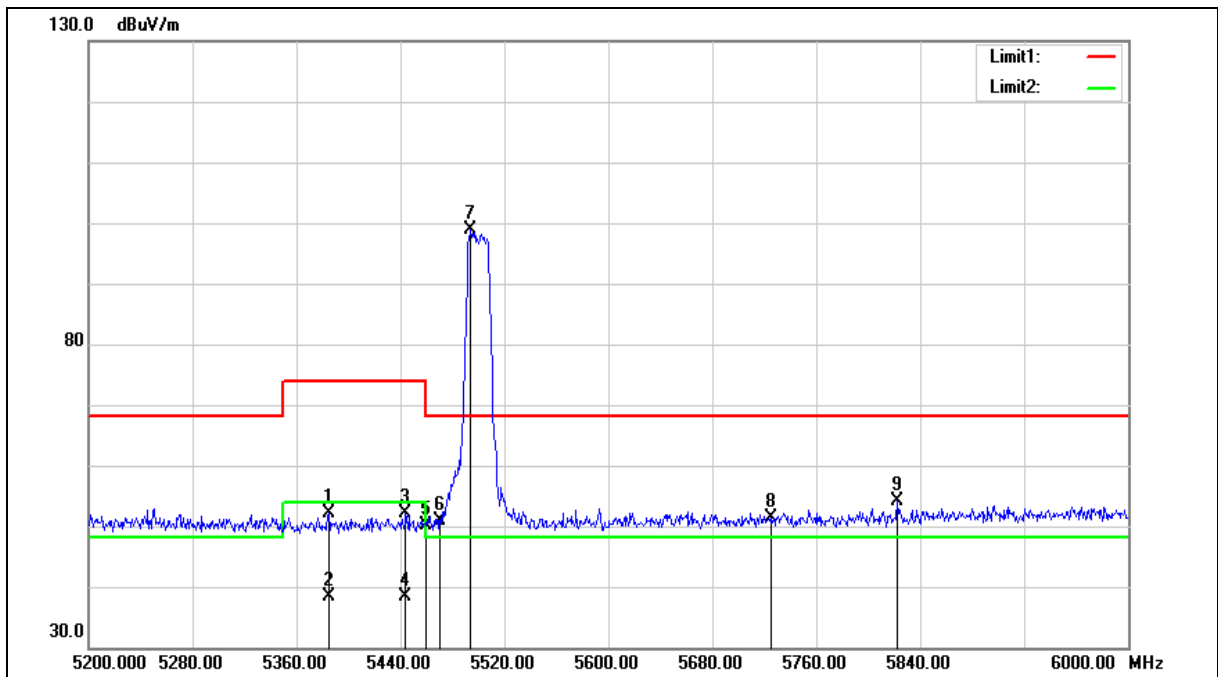
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5500 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		

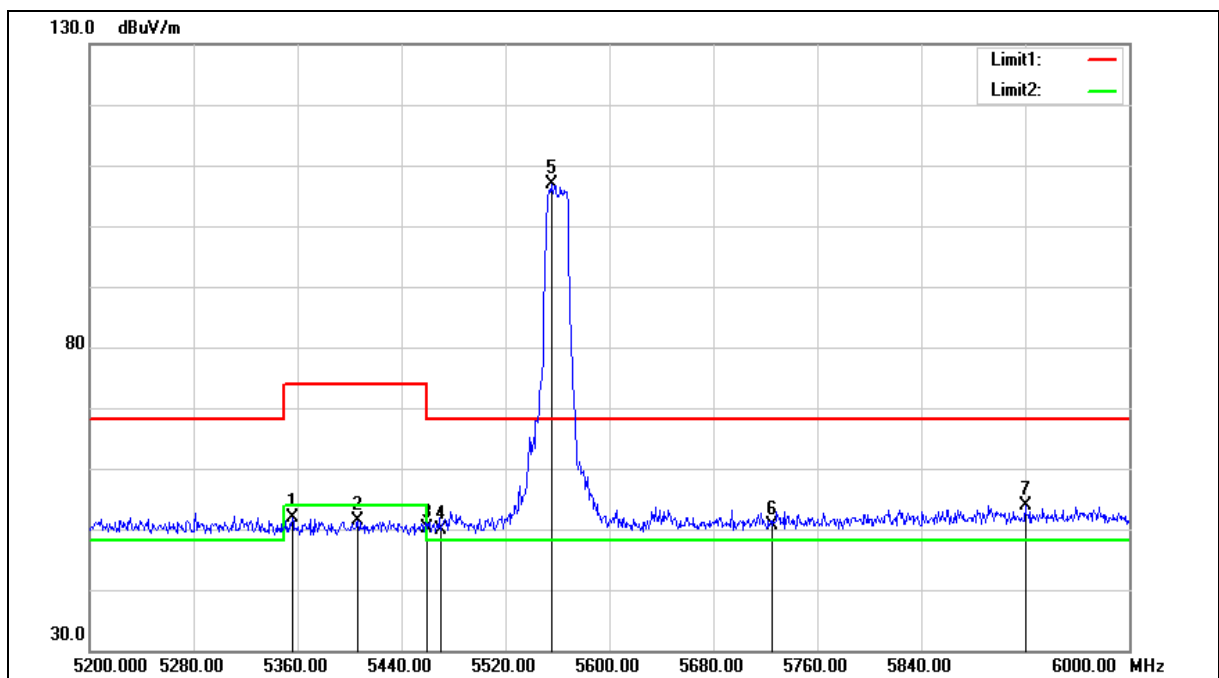
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5384.800	52.02	-0.01	52.01	74.00	-21.99	peak
2	5384.800	38.36	-0.01	38.35	54.00	-15.65	AVG
3	5444.000	51.97	0.11	52.08	74.00	-21.92	peak
4	5444.000	38.39	0.11	38.50	54.00	-15.50	AVG
5	5460.000	50.02	0.14	50.16	74.00	-23.84	peak
6	5470.000	50.73	0.16	50.89	68.20	-17.31	peak
7	5493.600	98.61	0.20	98.81	--	--	peak
8	5725.000	50.63	0.82	51.45	68.20	-16.75	peak
9	5822.400	52.93	1.10	54.03	68.20	-14.17	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		
Frequency:	5560 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5560 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

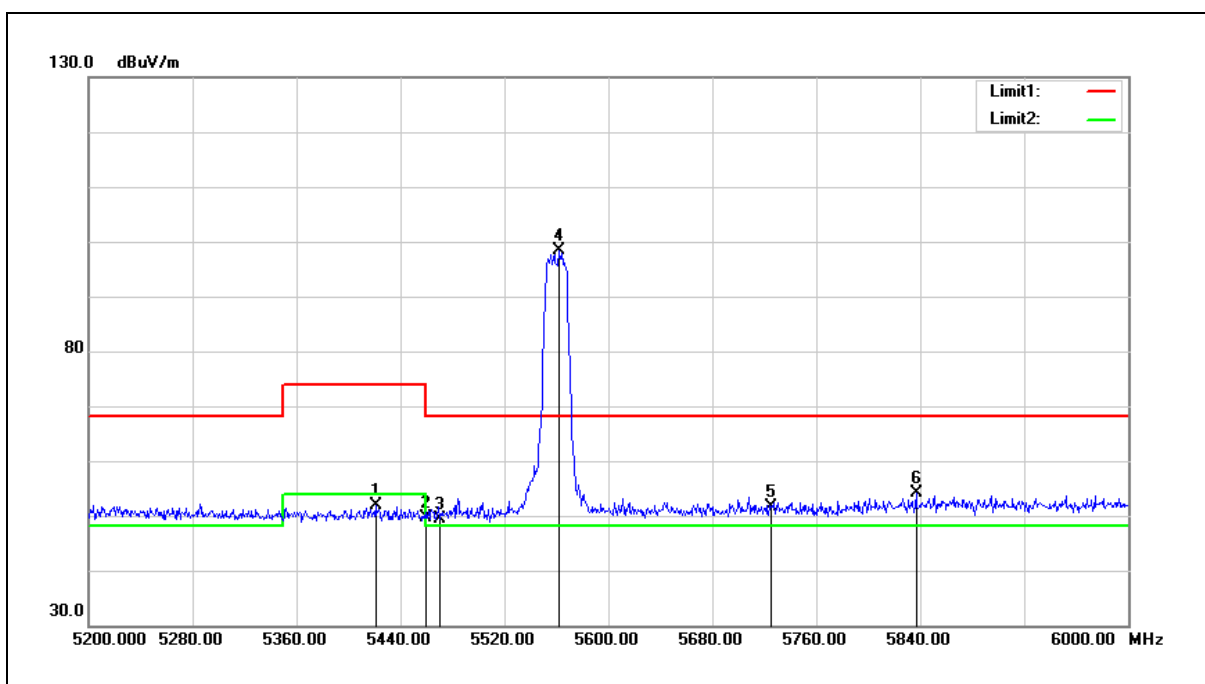
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5356.000	51.92	-0.07	51.85	74.00	-22.15	peak
2	5406.400	51.46	0.04	51.50	74.00	-22.50	peak
3	5460.000	49.89	0.14	50.03	74.00	-23.97	peak
4	5470.000	49.65	0.16	49.81	68.20	-18.39	peak
5	5555.200	106.58	0.36	106.94	--	--	peak
6	5725.000	49.69	0.82	50.51	68.20	-17.69	peak
7	5920.000	52.55	1.35	53.90	68.20	-14.30	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5560 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



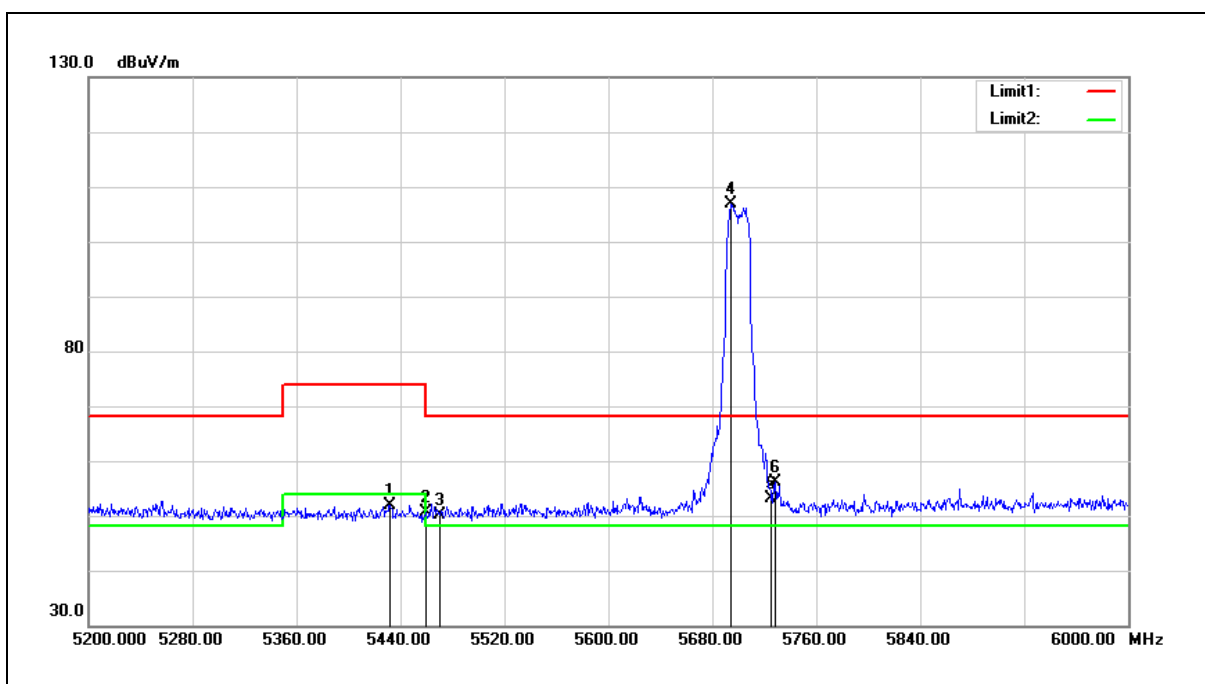
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5420.800	51.82	0.06	51.88	74.00	-22.12	peak
2	5460.000	49.58	0.14	49.72	74.00	-24.28	peak
3	5470.000	49.23	0.16	49.39	68.20	-18.81	peak
4	5562.400	98.00	0.39	98.39	--	--	peak
5	5725.000	50.86	0.82	51.68	68.20	-16.52	peak
6	5836.800	52.92	1.13	54.05	68.20	-14.15	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
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	5432.000	51.89	0.09	51.98	74.00	-22.02	peak
2	5460.000	50.49	0.14	50.63	74.00	-23.37	peak
3	5470.000	50.08	0.16	50.24	68.20	-17.96	peak
4	5694.400	106.16	0.74	106.90	--	--	peak
5	5725.000	52.40	0.82	53.22	68.20	-14.98	peak
6	5728.800	55.31	0.84	56.15	68.20	-12.05	peak

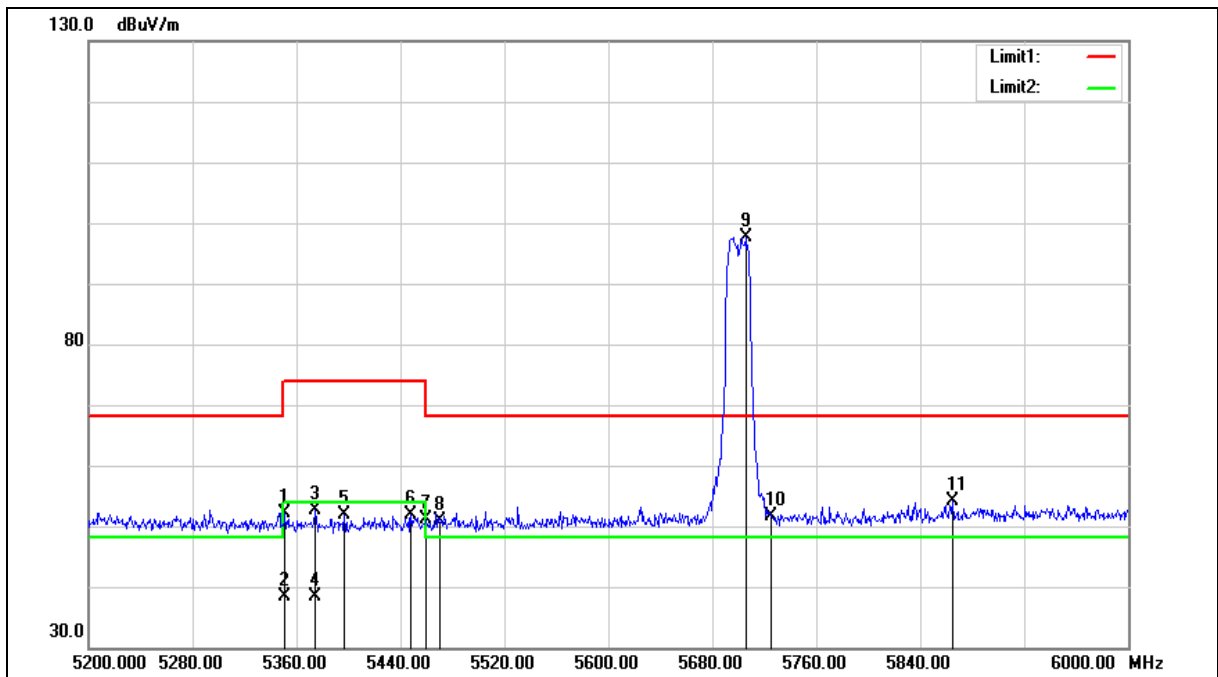
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
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	5351.200	52.14	-0.08	52.06	74.00	-21.94	peak
2	5351.200	38.47	-0.08	38.39	54.00	-15.61	AVG
3	5374.400	52.70	-0.03	52.67	74.00	-21.33	peak
4	5374.400	38.42	-0.03	38.39	54.00	-15.61	AVG
5	5396.800	51.86	0.01	51.87	74.00	-22.13	peak
6	5448.000	51.65	0.12	51.77	74.00	-22.23	peak
7	5460.000	50.89	0.14	51.03	74.00	-22.97	peak
8	5470.000	50.84	0.16	51.00	68.20	-17.20	peak
9	5705.600	96.94	0.78	97.72	--	--	peak
10	5725.000	50.71	0.82	51.53	68.20	-16.67	peak
11	5864.800	52.96	1.20	54.16	68.20	-14.04	peak

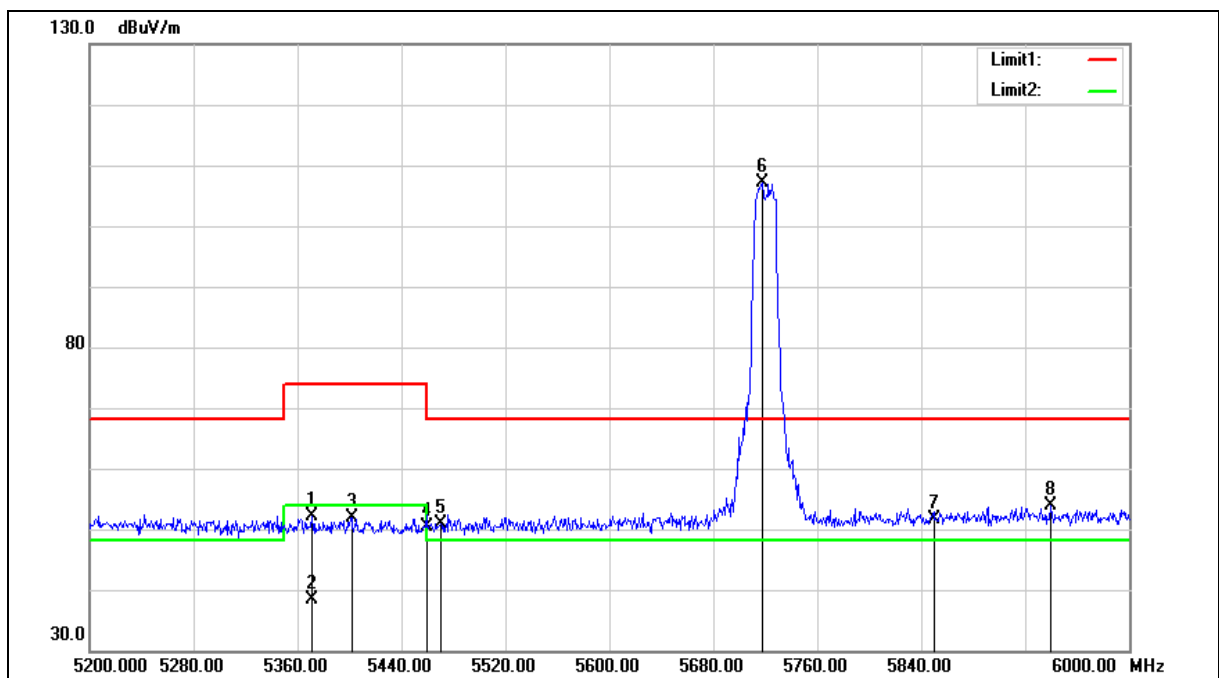
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5720 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5720 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

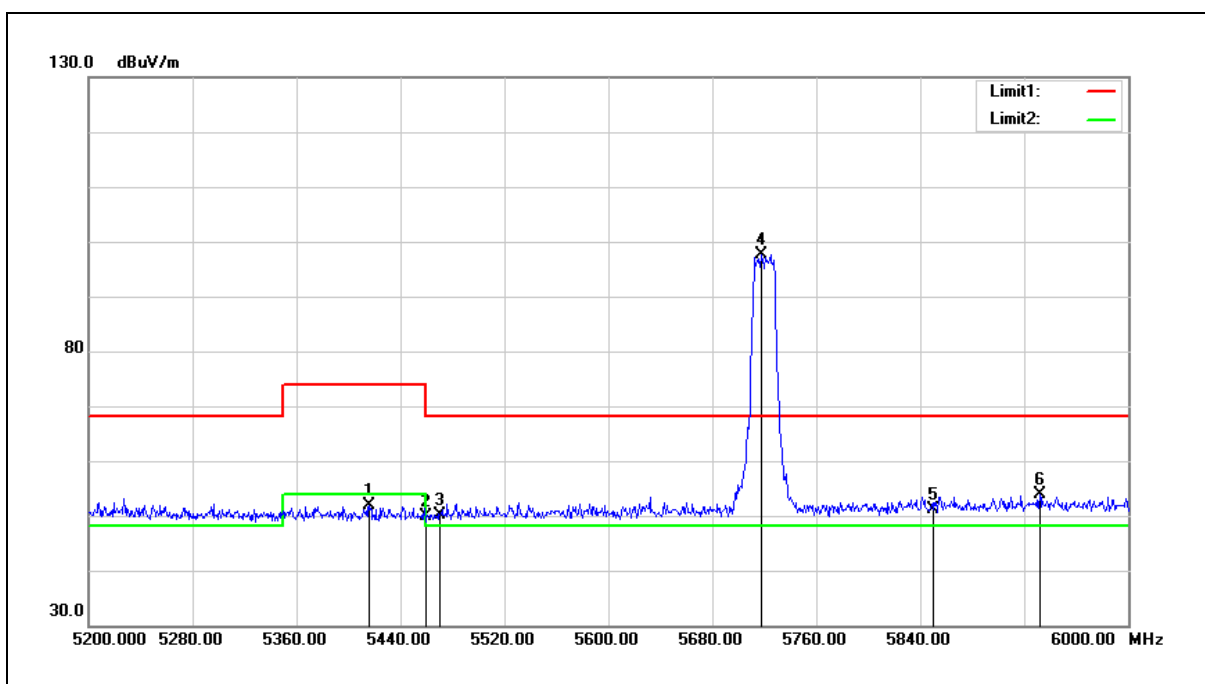
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5371.200	52.08	-0.03	52.05	74.00	-21.95	peak
2	5371.200	38.53	-0.03	38.50	54.00	-15.50	AVG
3	5401.600	51.78	0.02	51.80	74.00	-22.20	peak
4	5460.000	50.20	0.14	50.34	74.00	-23.66	peak
5	5470.000	50.76	0.16	50.92	68.20	-17.28	peak
6	5717.600	106.32	0.81	107.13	--	--	peak
7	5850.000	50.52	1.17	51.69	68.20	-16.51	peak
8	5940.000	52.49	1.40	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		
Frequency:	5720 MHz		
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	5416.000	51.72	0.05	51.77	74.00	-22.23	peak
2	5460.000	49.84	0.14	49.98	74.00	-24.02	peak
3	5470.000	49.99	0.16	50.15	68.20	-18.05	peak
4	5717.600	96.92	0.81	97.73	--	--	peak
5	5850.000	49.94	1.17	51.11	68.20	-17.09	peak
6	5932.000	52.54	1.38	53.92	68.20	-14.28	peak

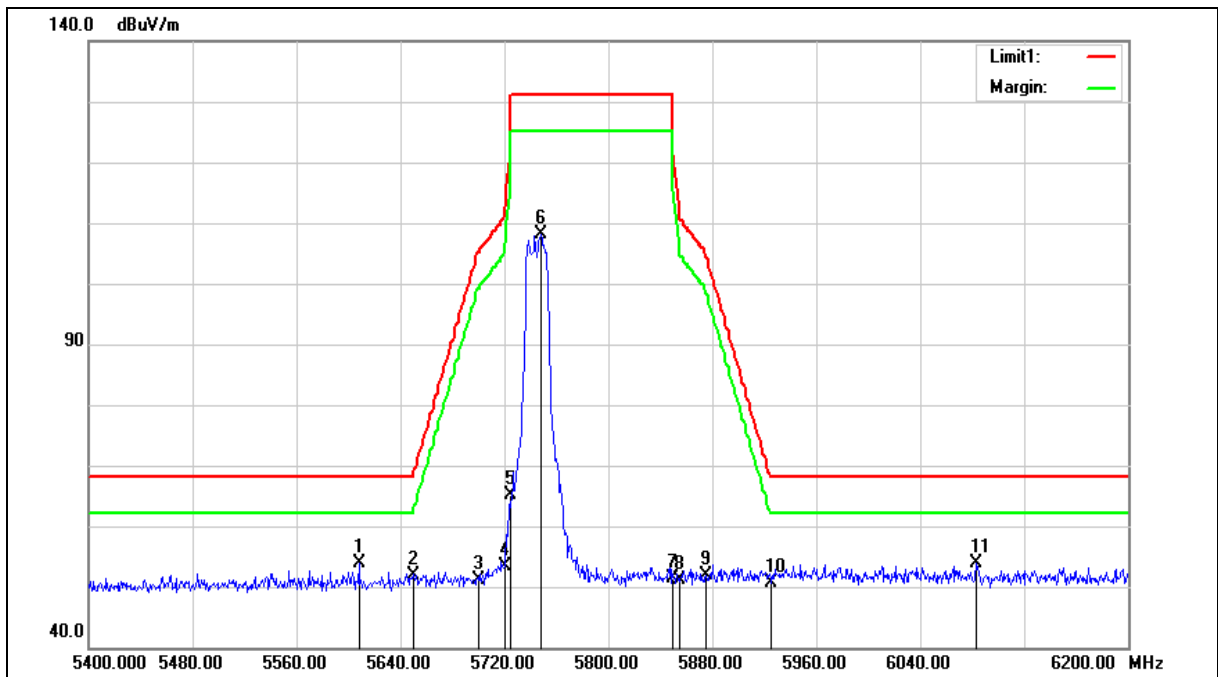
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5608.000	53.27	0.51	53.78	68.20	-14.42	peak
2	5650.000	51.34	0.62	51.96	68.20	-16.24	peak
3	5700.000	50.35	0.75	51.10	105.20	-54.10	peak
4	5720.000	52.62	0.81	53.43	110.80	-57.37	peak
5	5725.000	64.22	0.82	65.04	122.20	-57.16	peak
6	5748.000	107.32	0.89	108.21	--	--	peak
7	5850.000	50.15	1.17	51.32	122.20	-70.88	peak
8	5855.000	49.95	1.18	51.13	110.80	-59.67	peak
9	5875.000	50.58	1.23	51.81	105.20	-53.39	peak
10	5925.000	49.26	1.37	50.63	68.20	-17.57	peak
11	6083.200	52.12	1.86	53.98	68.20	-14.22	peak

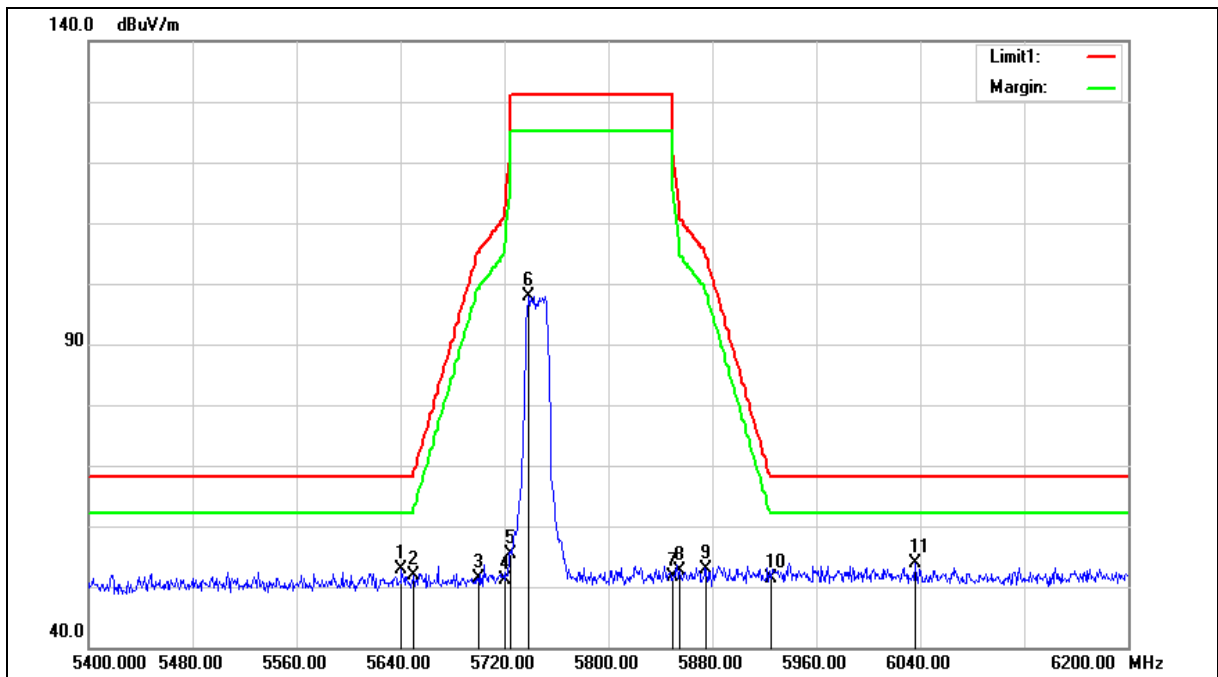
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		

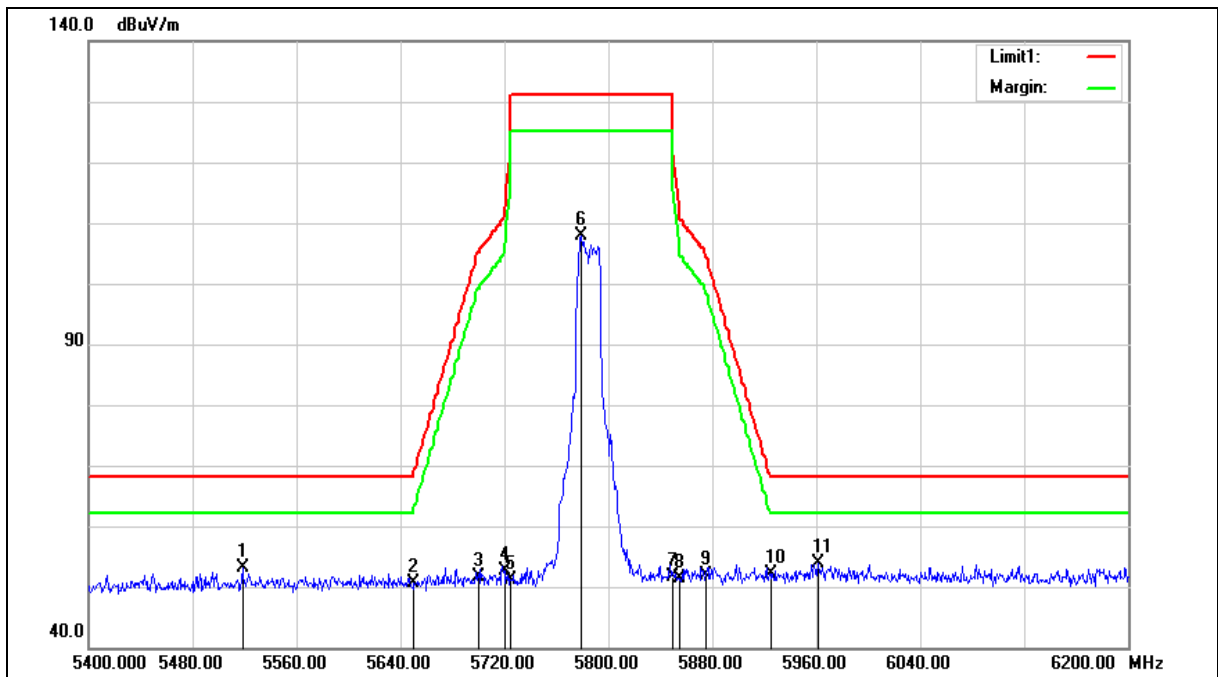
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5640.800	52.24	0.60	52.84	68.20	-15.36	peak
2	5650.000	51.36	0.62	51.98	68.20	-16.22	peak
3	5700.000	50.55	0.75	51.30	105.20	-53.90	peak
4	5720.000	50.21	0.81	51.02	110.80	-59.78	peak
5	5725.000	54.54	0.82	55.36	122.20	-66.84	peak
6	5738.400	97.14	0.86	98.00	--	--	peak
7	5850.000	50.58	1.17	51.75	122.20	-70.45	peak
8	5855.000	51.39	1.18	52.57	110.80	-58.23	peak
9	5875.000	51.59	1.23	52.82	105.20	-52.38	peak
10	5925.000	50.08	1.37	51.45	68.20	-16.75	peak
11	6036.000	52.29	1.70	53.99	68.20	-14.21	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		
Frequency:	5785 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
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	5518.400	52.78	0.27	53.05	68.20	-15.15	peak
2	5650.000	49.99	0.62	50.61	68.20	-17.59	peak
3	5700.000	50.96	0.75	51.71	105.20	-53.49	peak
4	5720.000	51.80	0.81	52.61	110.80	-58.19	peak
5	5725.000	50.33	0.82	51.15	122.20	-71.05	peak
6	5779.200	106.94	0.98	107.92	--	--	peak
7	5850.000	50.44	1.17	51.61	122.20	-70.59	peak
8	5855.000	50.31	1.18	51.49	110.80	-59.31	peak
9	5875.000	50.66	1.23	51.89	105.20	-53.31	peak
10	5925.000	50.85	1.37	52.22	68.20	-15.98	peak
11	5961.600	52.33	1.46	53.79	68.20	-14.41	peak

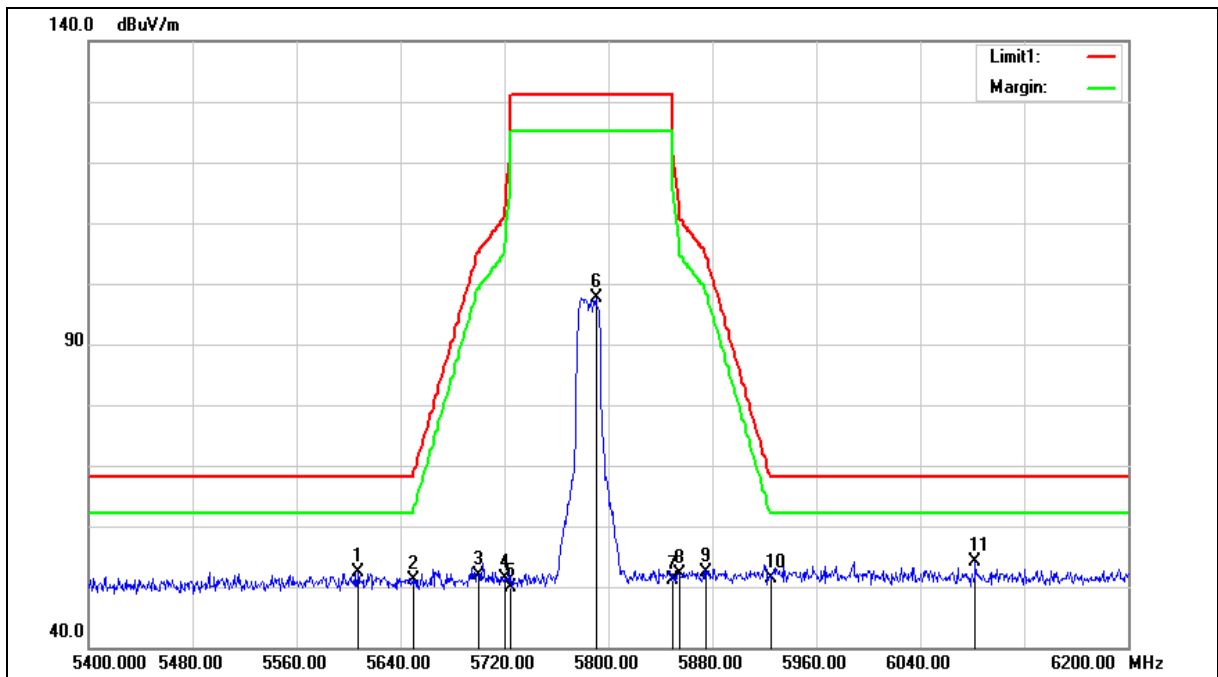
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
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	5607.200	51.96	0.51	52.47	68.20	-15.73	peak
2	5650.000	50.52	0.62	51.14	68.20	-17.06	peak
3	5700.000	51.22	0.75	51.97	105.20	-53.23	peak
4	5720.000	50.64	0.81	51.45	110.80	-59.35	peak
5	5725.000	49.13	0.82	49.95	122.20	-72.25	peak
6	5790.400	96.63	1.00	97.63	--	--	peak
7	5850.000	49.90	1.17	51.07	122.20	-71.13	peak
8	5855.000	50.88	1.18	52.06	110.80	-58.74	peak
9	5875.000	51.20	1.23	52.43	105.20	-52.77	peak
10	5925.000	50.09	1.37	51.46	68.20	-16.74	peak
11	6082.400	52.32	1.86	54.18	68.20	-14.02	peak

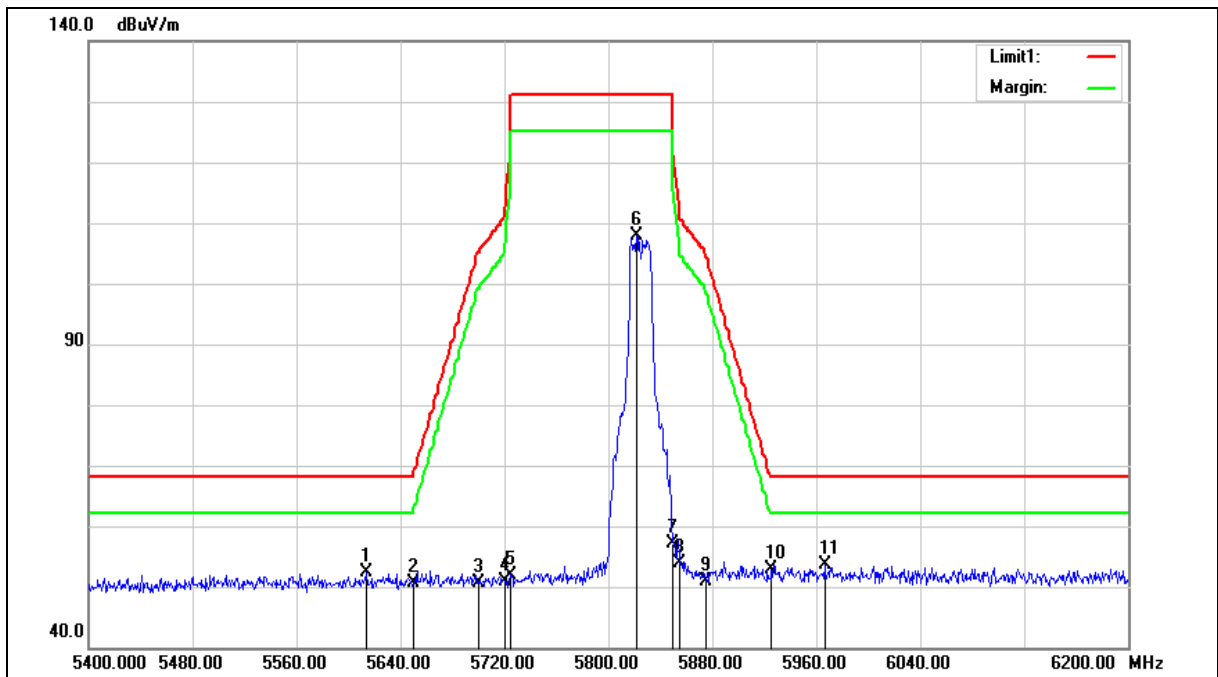
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
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	5613.600	51.75	0.52	52.27	68.20	-15.93	peak
2	5650.000	49.94	0.62	50.56	68.20	-17.64	peak
3	5700.000	49.86	0.75	50.61	105.20	-54.59	peak
4	5720.000	50.12	0.81	50.93	110.80	-59.87	peak
5	5725.000	51.04	0.82	51.86	122.20	-70.34	peak
6	5821.600	106.76	1.09	107.85	--	--	peak
7	5850.000	56.06	1.17	57.23	122.20	-64.97	peak
8	5855.000	52.73	1.18	53.91	110.80	-56.89	peak
9	5875.000	49.76	1.23	50.99	105.20	-54.21	peak
10	5925.000	51.56	1.37	52.93	68.20	-15.27	peak
11	5966.400	52.07	1.49	53.56	68.20	-14.64	peak

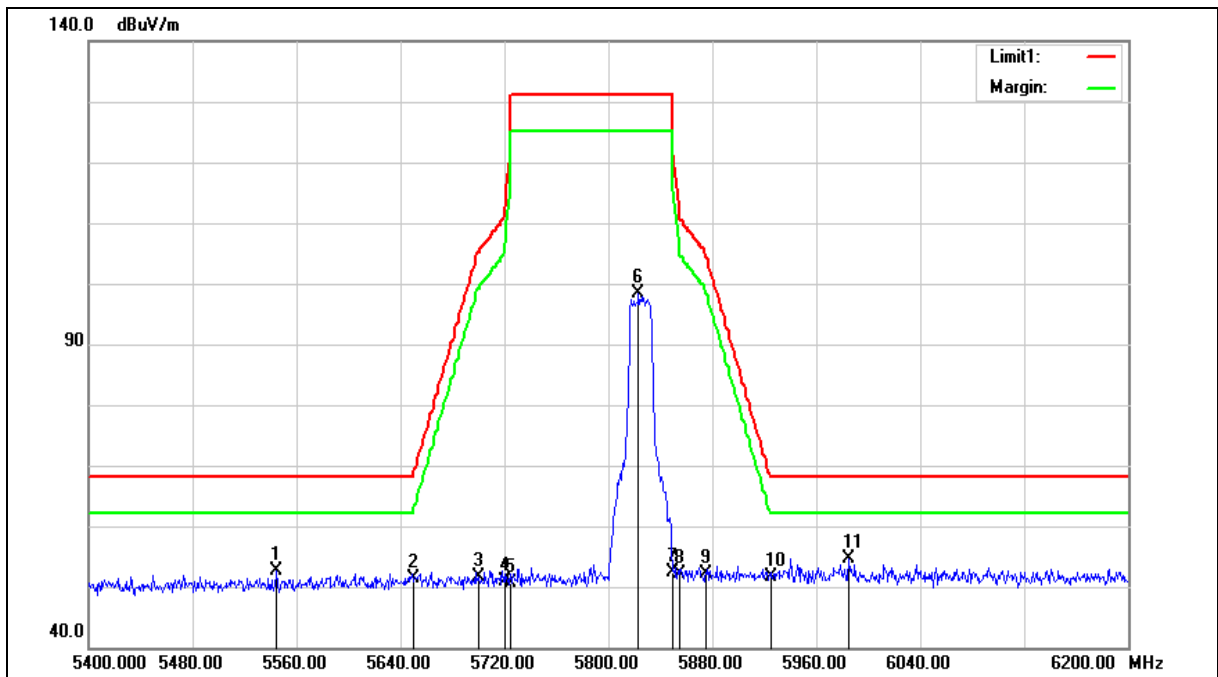
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		

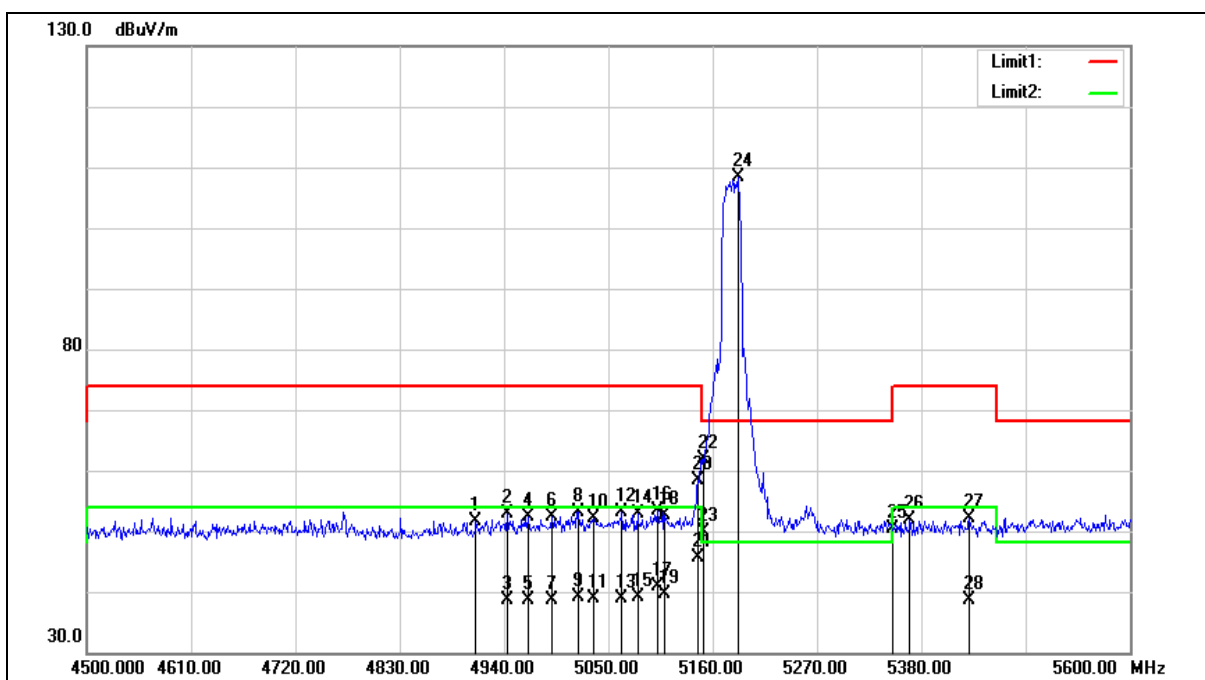
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5544.800	52.24	0.34	52.58	68.20	-15.62	peak
2	5650.000	50.78	0.62	51.40	68.20	-16.80	peak
3	5700.000	50.93	0.75	51.68	105.20	-53.52	peak
4	5720.000	50.16	0.81	50.97	110.80	-59.83	peak
5	5725.000	49.77	0.82	50.59	122.20	-71.61	peak
6	5823.200	97.26	1.10	98.36	--	--	peak
7	5850.000	51.27	1.17	52.44	122.20	-69.76	peak
8	5855.000	50.83	1.18	52.01	110.80	-58.79	peak
9	5875.000	50.95	1.23	52.18	105.20	-53.02	peak
10	5925.000	50.23	1.37	51.60	68.20	-16.60	peak
11	5984.800	53.04	1.53	54.57	68.20	-13.63	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		
Frequency:	5180 MHz		
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	4910.300	52.66	-1.01	51.65	74.00	-22.35	peak
2	4943.300	53.74	-0.93	52.81	74.00	-21.19	peak
3	4943.300	39.45	-0.93	38.52	54.00	-15.48	AVG
4	4965.300	53.31	-0.87	52.44	74.00	-21.56	peak
5	4965.300	39.48	-0.87	38.61	54.00	-15.39	AVG
6	4990.600	53.26	-0.79	52.47	74.00	-21.53	peak
7	4990.600	39.50	-0.79	38.71	54.00	-15.29	AVG
8	5018.100	53.88	-0.74	53.14	74.00	-20.86	peak
9	5018.100	39.87	-0.74	39.13	54.00	-14.87	AVG
10	5034.600	52.72	-0.70	52.02	74.00	-21.98	peak

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

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11	5034.600	39.54	-0.70	38.84	54.00	-15.16	AVG
12	5064.300	53.75	-0.65	53.10	74.00	-20.90	peak
13	5064.300	39.65	-0.65	39.00	54.00	-15.00	AVG
14	5080.800	53.54	-0.61	52.93	74.00	-21.07	peak
15	5080.800	39.64	-0.61	39.03	54.00	-14.97	AVG
16	5101.700	53.94	-0.57	53.37	74.00	-20.63	peak
17	5101.700	41.46	-0.57	40.89	54.00	-13.11	AVG
18	5109.400	53.27	-0.55	52.72	74.00	-21.28	peak
19	5109.400	40.11	-0.55	39.56	54.00	-14.44	AVG
20	5144.600	58.86	-0.48	58.38	74.00	-15.62	peak
21	5144.600	46.21	-0.48	45.73	54.00	-8.27	AVG
22	5150.000	62.40	-0.48	61.92	74.00	-12.08	peak
23	5150.000	50.45	-0.48	49.97	54.00	-4.03	AVG
24	5186.400	108.68	-0.40	108.28	--	--	peak
25	5350.000	50.52	-0.08	50.44	74.00	-23.56	peak
26	5367.900	51.96	-0.05	51.91	74.00	-22.09	peak
27	5430.600	52.05	0.08	52.13	74.00	-21.87	peak
28	5430.600	38.48	0.08	38.56	54.00	-15.44	AVG

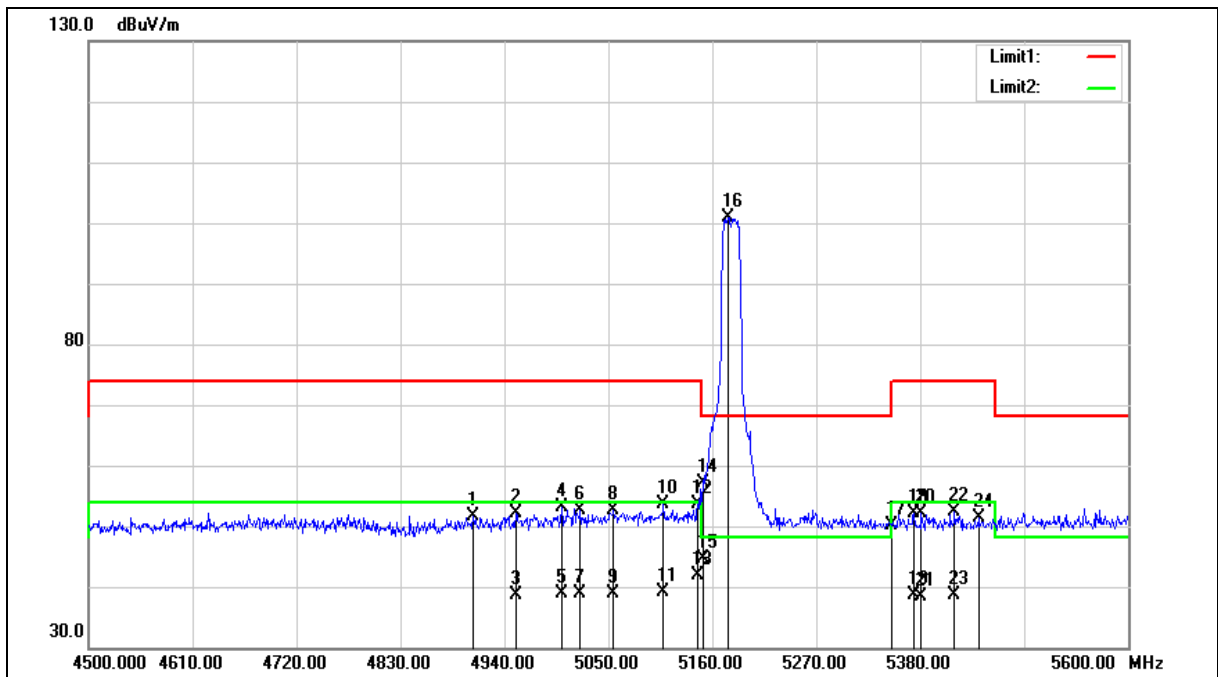
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

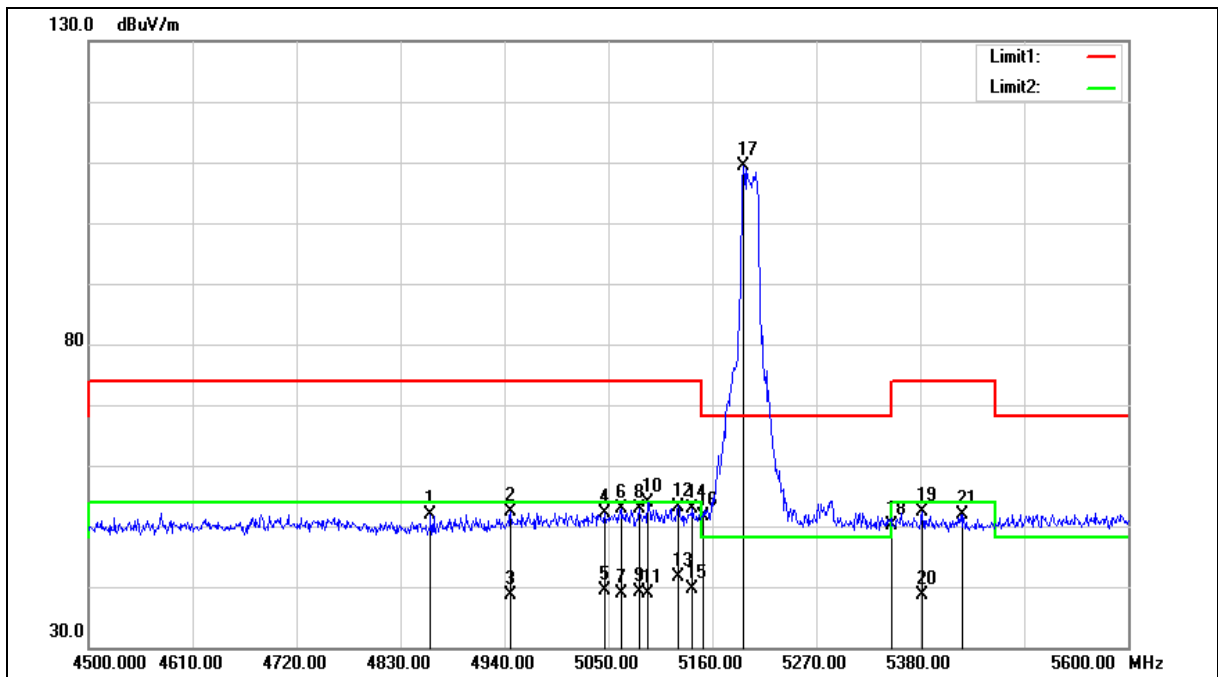
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4907.000	52.55	-1.02	51.53	74.00	-22.47	peak
2	4952.100	52.96	-0.90	52.06	74.00	-21.94	peak
3	4952.100	39.50	-0.90	38.60	54.00	-15.40	AVG
4	5000.500	53.79	-0.77	53.02	74.00	-20.98	peak
5	5000.500	39.57	-0.77	38.80	54.00	-15.20	AVG
6	5020.300	53.28	-0.73	52.55	74.00	-21.45	peak
7	5020.300	39.58	-0.73	38.85	54.00	-15.15	AVG
8	5055.500	53.32	-0.66	52.66	74.00	-21.34	peak
9	5055.500	39.62	-0.66	38.96	54.00	-15.04	AVG
10	5108.300	54.21	-0.56	53.65	74.00	-20.35	peak
11	5108.300	39.77	-0.56	39.21	54.00	-14.79	AVG
12	5144.600	54.08	-0.48	53.60	74.00	-20.40	peak
13	5144.600	42.27	-0.48	41.79	54.00	-12.21	AVG
14	5150.000	57.73	-0.48	57.25	74.00	-16.75	peak
15	5150.000	45.13	-0.48	44.65	54.00	-9.35	AVG
16	5176.500	101.38	-0.43	100.95	--	--	peak
17	5350.000	50.20	-0.08	50.12	74.00	-23.88	peak
18	5373.400	52.20	-0.03	52.17	74.00	-21.83	peak
19	5373.400	38.63	-0.03	38.60	54.00	-15.40	AVG
20	5381.100	52.14	-0.03	52.11	74.00	-21.89	peak
21	5381.100	38.52	-0.03	38.49	54.00	-15.51	AVG
22	5416.300	52.39	0.05	52.44	74.00	-21.56	peak
23	5416.300	38.49	0.05	38.54	54.00	-15.46	AVG
24	5441.600	51.30	0.09	51.39	74.00	-22.61	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		
Frequency:	5200 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
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	4861.900	53.14	-1.15	51.99	74.00	-22.01	peak
2	4946.600	53.23	-0.93	52.30	74.00	-21.70	peak
3	4946.600	39.53	-0.93	38.60	54.00	-15.40	AVG
4	5045.600	52.92	-0.68	52.24	74.00	-21.76	peak
5	5045.600	39.98	-0.68	39.30	54.00	-14.70	AVG
6	5064.300	53.46	-0.65	52.81	74.00	-21.19	peak
7	5064.300	39.62	-0.65	38.97	54.00	-15.03	AVG
8	5083.000	53.46	-0.60	52.86	74.00	-21.14	peak
9	5083.000	39.65	-0.60	39.05	54.00	-14.95	AVG
10	5091.800	54.39	-0.60	53.79	74.00	-20.21	peak
11	5091.800	39.53	-0.60	38.93	54.00	-15.07	AVG
12	5123.700	53.77	-0.52	53.25	74.00	-20.75	peak
13	5123.700	42.15	-0.52	41.63	54.00	-12.37	AVG
14	5139.100	53.28	-0.49	52.79	74.00	-21.21	peak
15	5139.100	40.14	-0.49	39.65	54.00	-14.35	AVG
16	5150.000	52.12	-0.48	51.64	74.00	-22.36	peak
17	5193.000	109.66	-0.40	109.26	--	--	peak
18	5350.000	50.27	-0.08	50.19	74.00	-23.81	peak
19	5382.200	52.49	-0.02	52.47	74.00	-21.53	peak
20	5382.200	38.75	-0.02	38.73	54.00	-15.27	AVG
21	5425.100	51.80	0.06	51.86	74.00	-22.14	peak

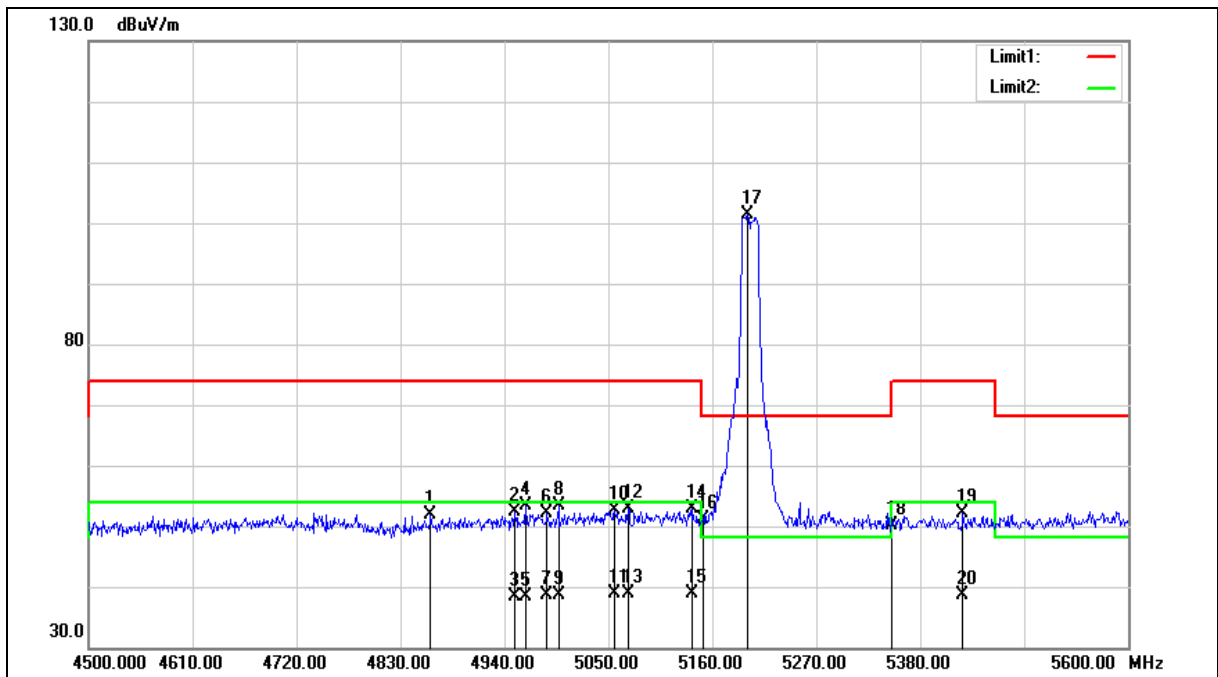
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5200 MHz		
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	4861.900	53.01	-1.15	51.86	74.00	-22.14	peak
2	4951.000	53.38	-0.90	52.48	74.00	-21.52	peak
3	4951.000	39.37	-0.90	38.47	54.00	-15.53	AVG
4	4962.000	54.15	-0.88	53.27	74.00	-20.73	peak
5	4962.000	39.38	-0.88	38.50	54.00	-15.50	AVG
6	4985.100	52.90	-0.82	52.08	74.00	-21.92	peak
7	4985.100	39.41	-0.82	38.59	54.00	-15.41	AVG
8	4997.200	54.14	-0.78	53.36	74.00	-20.64	peak
9	4997.200	39.42	-0.78	38.64	54.00	-15.36	AVG
10	5056.600	53.19	-0.65	52.54	74.00	-21.46	peak
11	5056.600	39.45	-0.65	38.80	54.00	-15.20	AVG
12	5070.900	53.52	-0.63	52.89	74.00	-21.11	peak
13	5070.900	39.48	-0.63	38.85	54.00	-15.15	AVG
14	5139.100	53.44	-0.49	52.95	74.00	-21.05	peak
15	5139.100	39.32	-0.49	38.83	54.00	-15.17	AVG
16	5150.000	51.62	-0.48	51.14	74.00	-22.86	peak
17	5197.400	101.71	-0.38	101.33	--	--	peak
18	5350.000	50.09	-0.08	50.01	74.00	-23.99	peak
19	5425.100	52.14	0.06	52.20	74.00	-21.80	peak
20	5425.100	38.49	0.06	38.55	54.00	-15.45	AVG

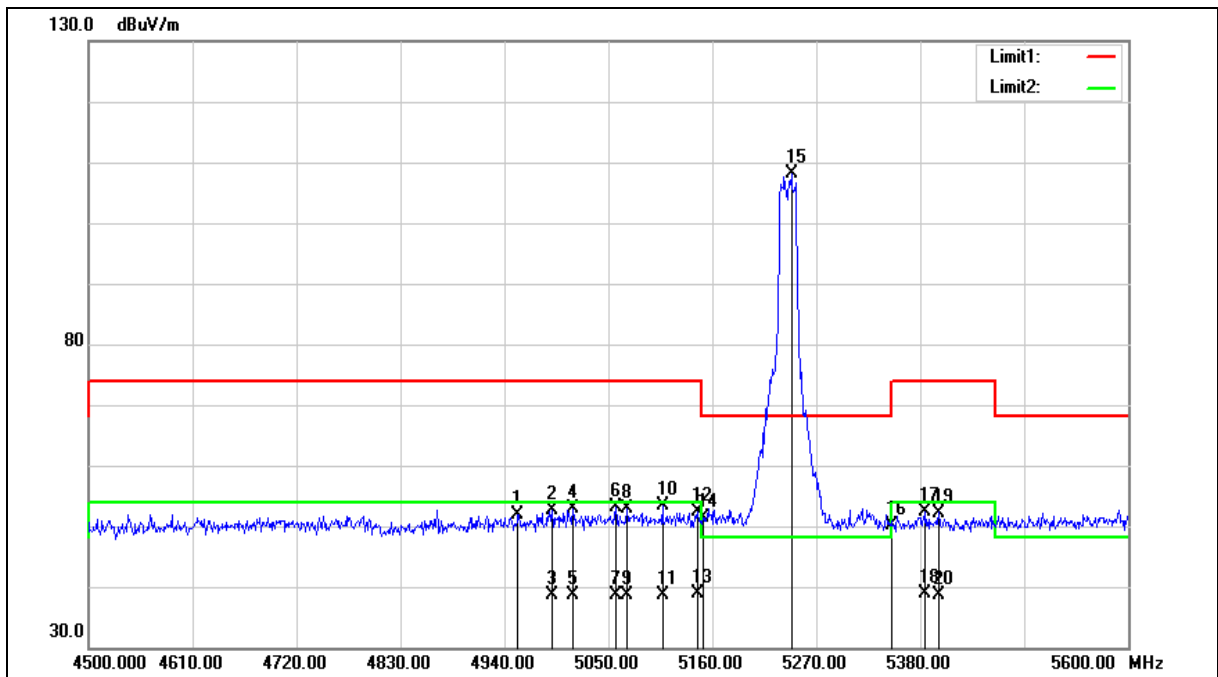
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5240 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
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	4954.300	52.84	-0.89	51.95	74.00	-22.05	peak
2	4990.600	53.42	-0.79	52.63	74.00	-21.37	peak
3	4990.600	39.37	-0.79	38.58	54.00	-15.42	AVG
4	5012.600	53.51	-0.74	52.77	74.00	-21.23	peak
5	5012.600	39.31	-0.74	38.57	54.00	-15.43	AVG
6	5057.700	53.81	-0.65	53.16	74.00	-20.84	peak
7	5057.700	39.33	-0.65	38.68	54.00	-15.32	AVG
8	5069.800	53.55	-0.63	52.92	74.00	-21.08	peak
9	5069.800	39.34	-0.63	38.71	54.00	-15.29	AVG
10	5107.200	53.91	-0.56	53.35	74.00	-20.65	peak
11	5107.200	39.17	-0.56	38.61	54.00	-15.39	AVG
12	5144.600	52.78	-0.48	52.30	74.00	-21.70	peak
13	5144.600	39.39	-0.48	38.91	54.00	-15.09	AVG
14	5150.000	51.78	-0.48	51.30	74.00	-22.70	peak
15	5243.600	108.35	-0.29	108.06	--	--	peak
16	5350.000	50.27	-0.08	50.19	74.00	-23.81	peak
17	5385.500	52.32	0.00	52.32	74.00	-21.68	peak
18	5385.500	38.81	0.00	38.81	54.00	-15.19	AVG
19	5399.800	52.23	0.02	52.25	74.00	-21.75	peak
20	5399.800	38.50	0.02	38.52	54.00	-15.48	AVG

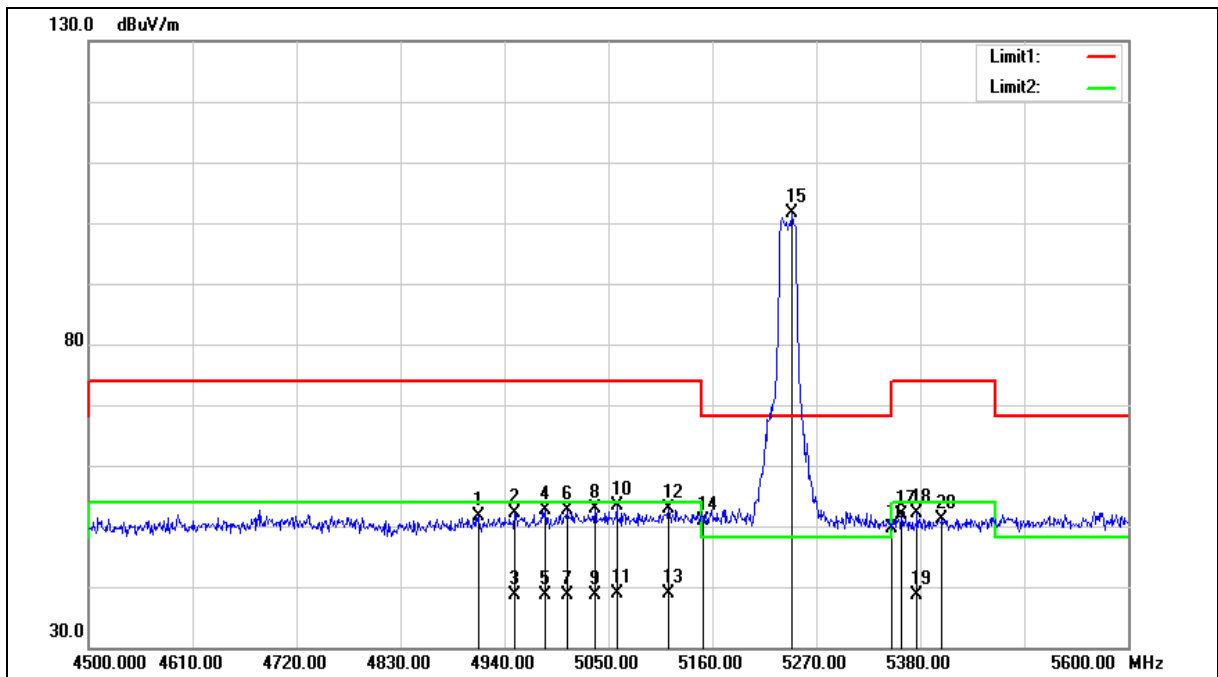
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

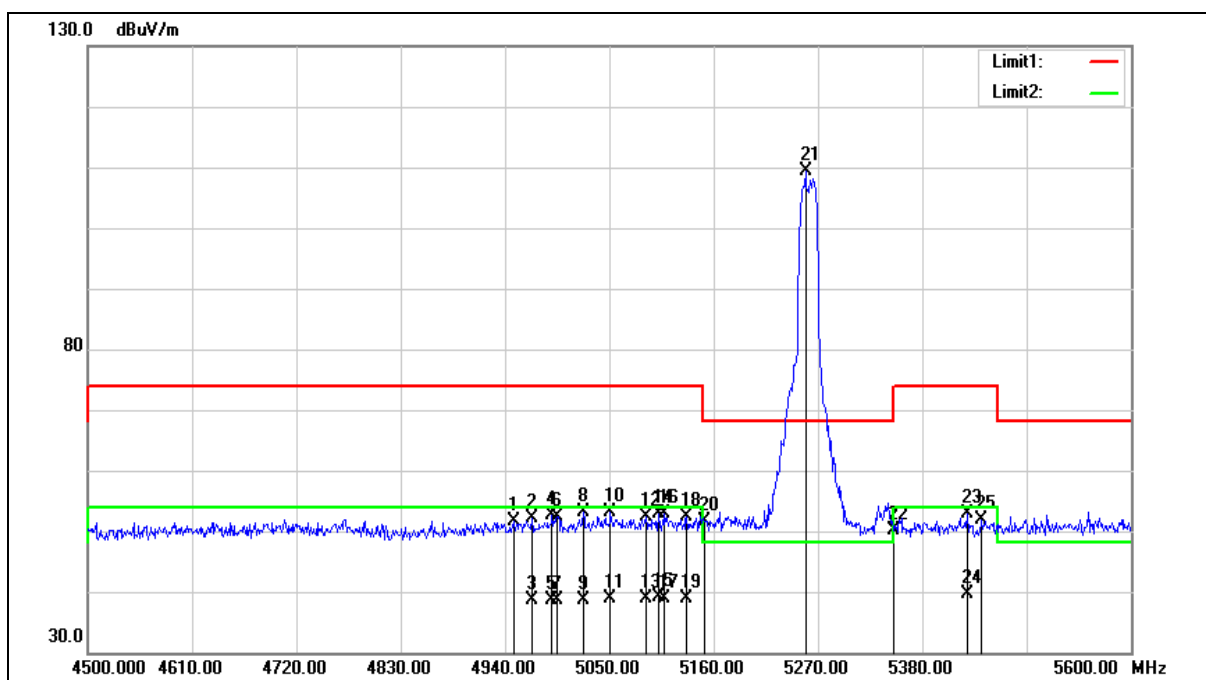
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4912.500	52.61	-1.01	51.60	74.00	-22.40	peak
2	4951.000	52.97	-0.90	52.07	74.00	-21.93	peak
3	4951.000	39.54	-0.90	38.64	54.00	-15.36	AVG
4	4982.900	53.43	-0.82	52.61	74.00	-21.39	peak
5	4982.900	39.49	-0.82	38.67	54.00	-15.33	AVG
6	5006.000	53.35	-0.77	52.58	74.00	-21.42	peak
7	5006.000	39.52	-0.77	38.75	54.00	-15.25	AVG
8	5035.700	53.61	-0.70	52.91	74.00	-21.09	peak
9	5035.700	39.45	-0.70	38.75	54.00	-15.25	AVG
10	5058.800	53.97	-0.65	53.32	74.00	-20.68	peak
11	5058.800	39.50	-0.65	38.85	54.00	-15.15	AVG
12	5113.800	53.45	-0.55	52.90	74.00	-21.10	peak
13	5113.800	39.31	-0.55	38.76	54.00	-15.24	AVG
14	5150.000	51.47	-0.48	50.99	74.00	-23.01	peak
15	5244.700	101.93	-0.28	101.65	--	--	peak
16	5350.000	49.80	-0.08	49.72	74.00	-24.28	peak
17	5360.200	51.86	-0.06	51.80	74.00	-22.20	peak
18	5376.700	52.20	-0.03	52.17	74.00	-21.83	peak
19	5376.700	38.60	-0.03	38.57	54.00	-15.43	AVG
20	5403.100	51.12	0.02	51.14	74.00	-22.86	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5260 MHz		
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	4949.900	52.60	-0.90	51.70	74.00	-22.30	peak
2	4968.600	53.06	-0.86	52.20	74.00	-21.80	peak
3	4968.600	39.40	-0.86	38.54	54.00	-15.46	AVG
4	4989.500	53.39	-0.80	52.59	74.00	-21.41	peak
5	4989.500	39.44	-0.80	38.64	54.00	-15.36	AVG
6	4995.000	53.11	-0.78	52.33	74.00	-21.67	peak
7	4995.000	39.48	-0.78	38.70	54.00	-15.30	AVG
8	5022.500	53.91	-0.72	53.19	74.00	-20.81	peak
9	5022.500	39.42	-0.72	38.70	54.00	-15.30	AVG
10	5051.100	53.86	-0.67	53.19	74.00	-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:	Band edge		
Frequency:	5260 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11	5051.100	39.44	-0.67	38.77	54.00	-15.23	AVG
12	5088.500	53.03	-0.60	52.43	74.00	-21.57	peak
13	5088.500	39.39	-0.60	38.79	54.00	-15.21	AVG
14	5101.700	53.49	-0.57	52.92	74.00	-21.08	peak
15	5101.700	39.61	-0.57	39.04	54.00	-14.96	AVG
16	5108.300	53.35	-0.56	52.79	74.00	-21.21	peak
17	5108.300	39.54	-0.56	38.98	54.00	-15.02	AVG
18	5131.400	52.94	-0.51	52.43	74.00	-21.57	peak
19	5131.400	39.37	-0.51	38.86	54.00	-15.14	AVG
20	5150.000	52.19	-0.48	51.71	74.00	-22.29	peak
21	5256.800	109.64	-0.26	109.38	--	--	peak
22	5350.000	50.28	-0.08	50.20	74.00	-23.80	peak
23	5427.300	52.81	0.07	52.88	74.00	-21.12	peak
24	5427.300	39.62	0.07	39.69	54.00	-14.31	AVG
25	5442.700	51.78	0.10	51.88	74.00	-22.12	peak

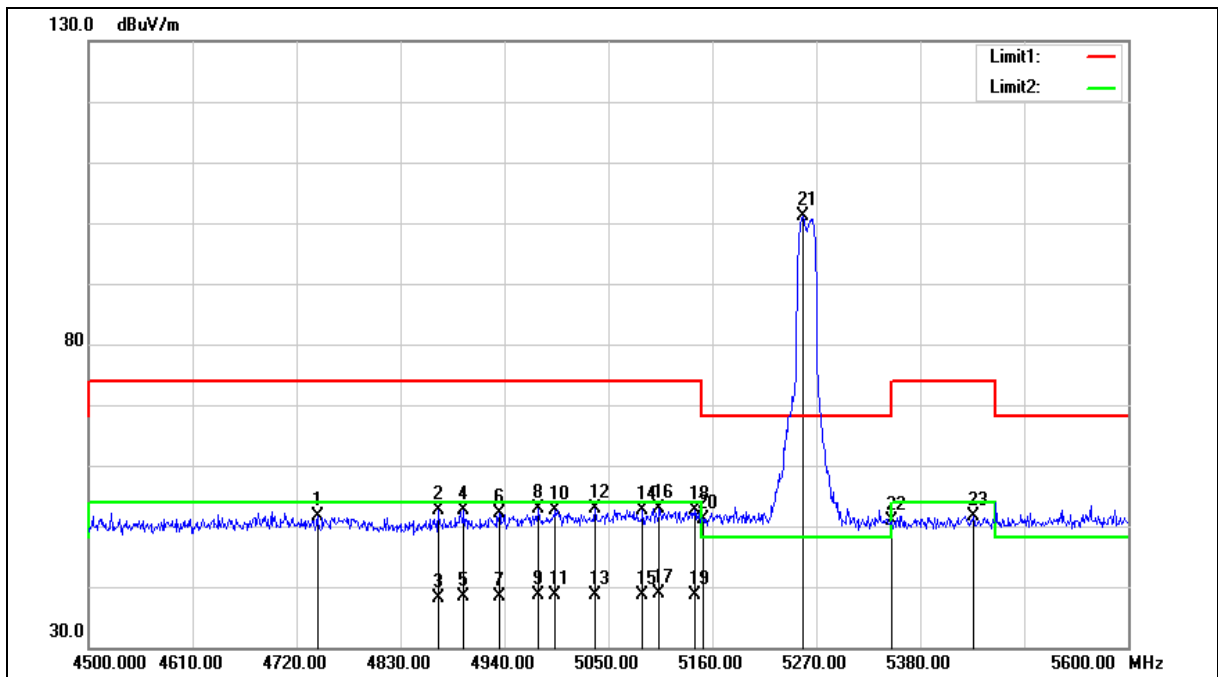
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5260 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5260 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

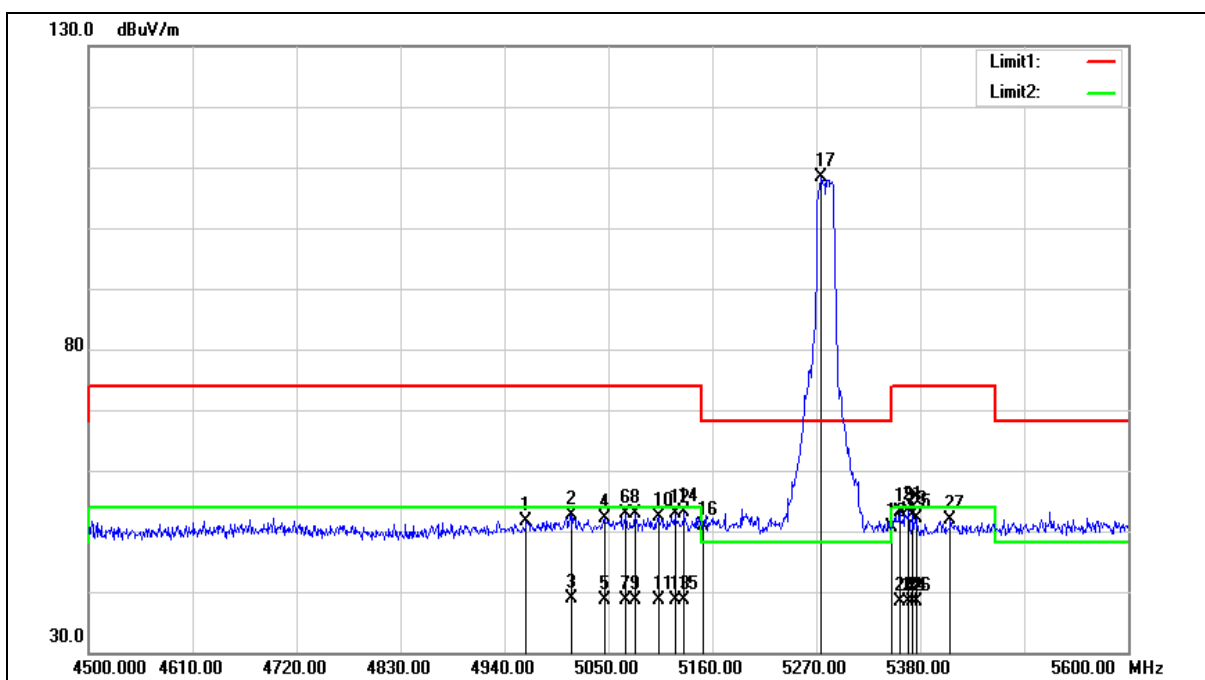
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4742.000	53.16	-1.47	51.69	74.00	-22.31	peak
2	4869.600	53.74	-1.12	52.62	74.00	-21.38	peak
3	4869.600	39.32	-1.12	38.20	54.00	-15.80	AVG
4	4897.100	53.69	-1.06	52.63	74.00	-21.37	peak
5	4897.100	39.33	-1.06	38.27	54.00	-15.73	AVG
6	4934.500	53.17	-0.95	52.22	74.00	-21.78	peak
7	4934.500	39.38	-0.95	38.43	54.00	-15.57	AVG
8	4976.300	53.62	-0.83	52.79	74.00	-21.21	peak
9	4976.300	39.41	-0.83	38.58	54.00	-15.42	AVG
10	4993.900	53.36	-0.78	52.58	74.00	-21.42	peak
11	4993.900	39.43	-0.78	38.65	54.00	-15.35	AVG
12	5035.700	53.58	-0.70	52.88	74.00	-21.12	peak
13	5035.700	39.38	-0.70	38.68	54.00	-15.32	AVG
14	5086.300	53.15	-0.60	52.55	74.00	-21.45	peak
15	5086.300	39.32	-0.60	38.72	54.00	-15.28	AVG
16	5103.900	53.38	-0.57	52.81	74.00	-21.19	peak
17	5103.900	39.40	-0.57	38.83	54.00	-15.17	AVG
18	5141.300	53.12	-0.49	52.63	74.00	-21.37	peak
19	5141.300	39.17	-0.49	38.68	54.00	-15.32	AVG
20	5150.000	51.49	-0.48	51.01	74.00	-22.99	peak
21	5255.700	101.36	-0.27	101.09	--	--	peak
22	5350.000	51.00	-0.08	50.92	74.00	-23.08	peak
23	5436.100	51.43	0.09	51.52	74.00	-22.48	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
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	4963.100	52.51	-0.88	51.63	74.00	-22.37	peak
2	5010.400	53.38	-0.75	52.63	74.00	-21.37	peak
3	5010.400	39.54	-0.75	38.79	54.00	-15.21	AVG
4	5045.600	52.75	-0.68	52.07	74.00	-21.93	peak
5	5045.600	39.41	-0.68	38.73	54.00	-15.27	AVG
6	5068.700	53.40	-0.64	52.76	74.00	-21.24	peak
7	5068.700	39.33	-0.64	38.69	54.00	-15.31	AVG
8	5078.600	53.46	-0.62	52.84	74.00	-21.16	peak
9	5078.600	39.37	-0.62	38.75	54.00	-15.25	AVG
10	5102.800	52.95	-0.57	52.38	74.00	-21.62	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		
Frequency:	5280 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11	5102.800	39.25	-0.57	38.68	54.00	-15.32	AVG
12	5120.400	53.52	-0.53	52.99	74.00	-21.01	peak
13	5120.400	39.24	-0.53	38.71	54.00	-15.29	AVG
14	5130.300	53.62	-0.52	53.10	74.00	-20.90	peak
15	5130.300	39.26	-0.52	38.74	54.00	-15.26	AVG
16	5150.000	51.24	-0.48	50.76	74.00	-23.24	peak
17	5275.500	108.70	-0.23	108.47	--	--	peak
18	5350.000	50.80	-0.08	50.72	74.00	-23.28	peak
19	5358.000	53.15	-0.06	53.09	74.00	-20.91	peak
20	5358.000	38.55	-0.06	38.49	54.00	-15.51	AVG
21	5367.900	53.33	-0.05	53.28	74.00	-20.72	peak
22	5367.900	38.52	-0.05	38.47	54.00	-15.53	AVG
23	5372.300	52.57	-0.03	52.54	74.00	-21.46	peak
24	5372.300	38.52	-0.03	38.49	54.00	-15.51	AVG
25	5375.600	52.26	-0.03	52.23	74.00	-21.77	peak
26	5375.600	38.48	-0.03	38.45	54.00	-15.55	AVG
27	5411.900	51.77	0.04	51.81	74.00	-22.19	peak

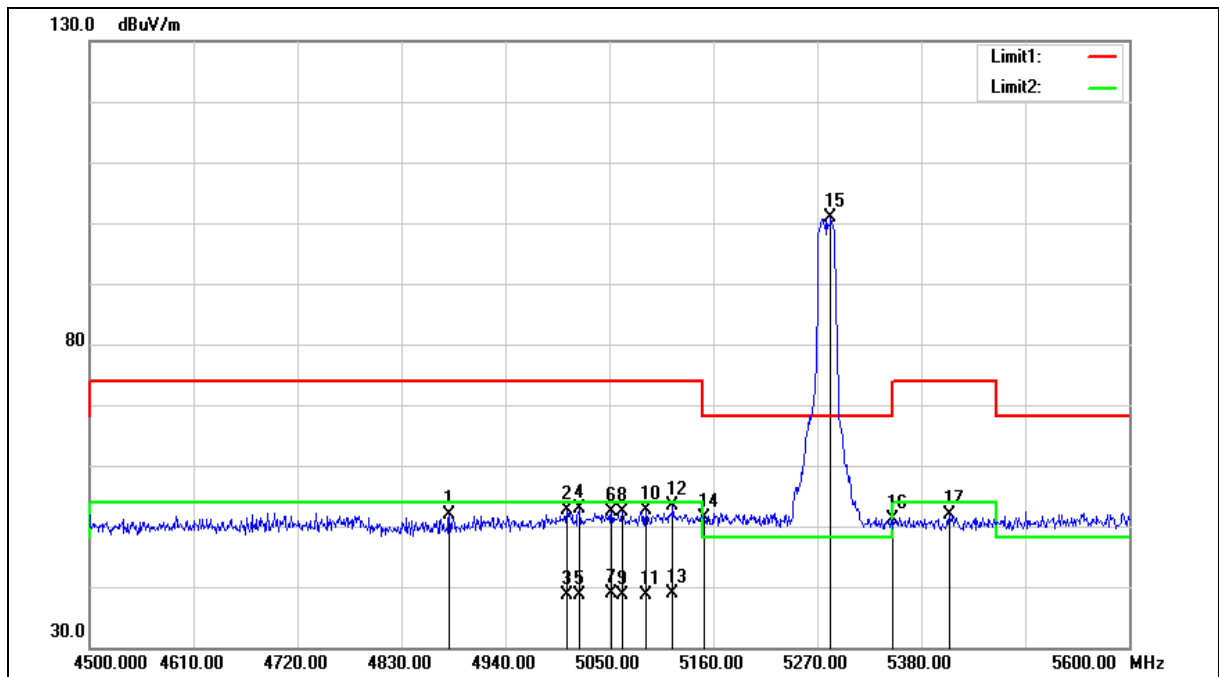
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5280 MHz		
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	4880.600	53.02	-1.10	51.92	74.00	-22.08	peak
2	5004.900	53.31	-0.77	52.54	74.00	-21.46	peak
3	5004.900	39.45	-0.77	38.68	54.00	-15.32	AVG
4	5018.100	53.64	-0.74	52.90	74.00	-21.10	peak
5	5018.100	39.44	-0.74	38.70	54.00	-15.30	AVG
6	5052.200	53.06	-0.66	52.40	74.00	-21.60	peak
7	5052.200	39.47	-0.66	38.81	54.00	-15.19	AVG
8	5063.200	52.95	-0.65	52.30	74.00	-21.70	peak
9	5063.200	39.38	-0.65	38.73	54.00	-15.27	AVG
10	5088.500	53.35	-0.60	52.75	74.00	-21.25	peak
11	5088.500	39.33	-0.60	38.73	54.00	-15.27	AVG
12	5117.100	53.85	-0.54	53.31	74.00	-20.69	peak
13	5117.100	39.42	-0.54	38.88	54.00	-15.12	AVG
14	5150.000	51.80	-0.48	51.32	74.00	-22.68	peak
15	5284.300	101.03	-0.20	100.83	--	--	peak
16	5350.000	51.10	-0.08	51.02	74.00	-22.98	peak
17	5409.700	51.91	0.04	51.95	74.00	-22.05	peak

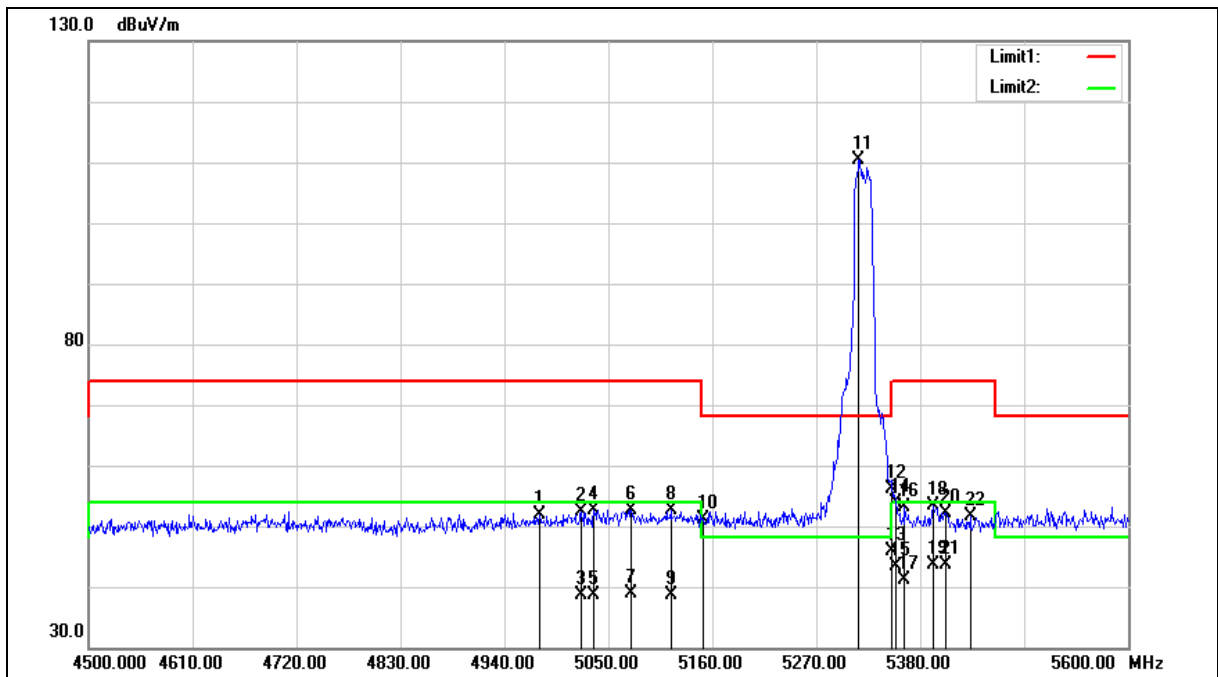
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

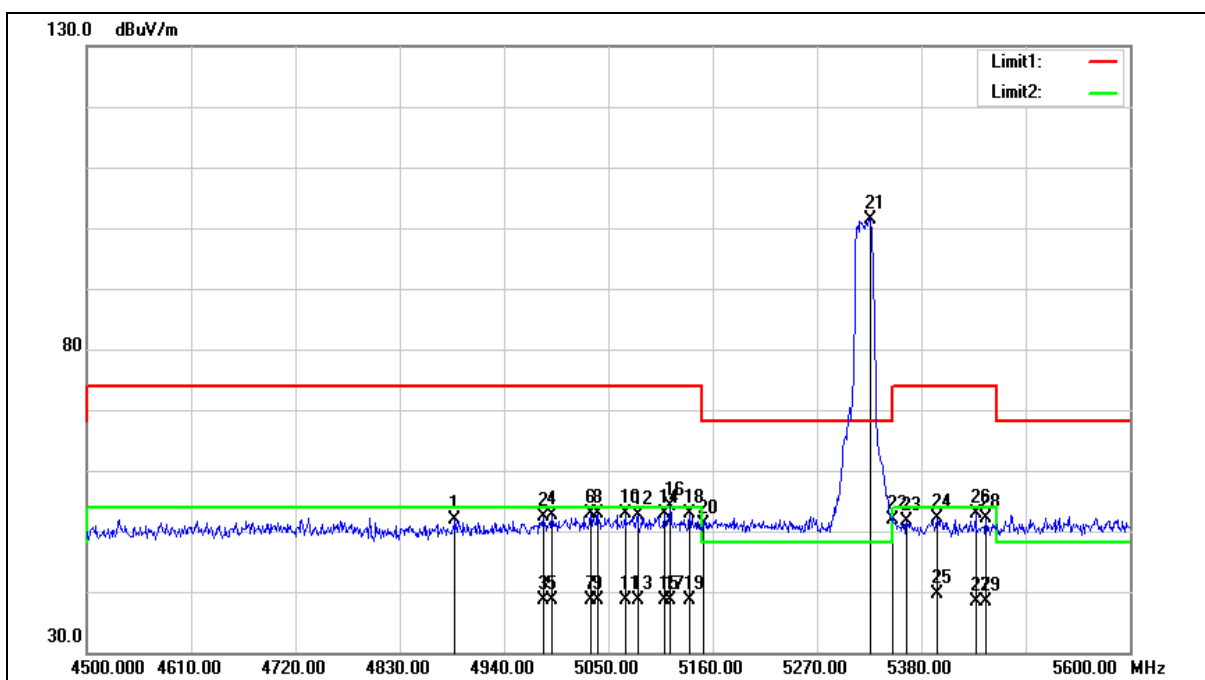
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4977.400	52.61	-0.83	51.78	74.00	-22.22	peak
2	5021.400	53.07	-0.73	52.34	74.00	-21.66	peak
3	5021.400	39.45	-0.73	38.72	54.00	-15.28	AVG
4	5034.600	53.39	-0.70	52.69	74.00	-21.31	peak
5	5034.600	39.40	-0.70	38.70	54.00	-15.30	AVG
6	5074.200	53.22	-0.62	52.60	74.00	-21.40	peak
7	5074.200	39.38	-0.62	38.76	54.00	-15.24	AVG
8	5116.000	53.05	-0.54	52.51	74.00	-21.49	peak
9	5116.000	39.24	-0.54	38.70	54.00	-15.30	AVG
10	5150.000	51.69	-0.48	51.21	74.00	-22.79	peak
11	5315.100	110.49	-0.15	110.34	--	--	peak
12	5350.000	56.33	-0.08	56.25	74.00	-17.75	peak
13	5350.000	45.89	-0.08	45.81	54.00	-8.19	AVG
14	5354.700	54.08	-0.08	54.00	74.00	-20.00	peak
15	5354.700	43.44	-0.08	43.36	54.00	-10.64	AVG
16	5363.500	53.21	-0.06	53.15	74.00	-20.85	peak
17	5363.500	41.19	-0.06	41.13	54.00	-12.87	AVG
18	5394.300	53.29	0.01	53.30	74.00	-20.70	peak
19	5394.300	43.56	0.01	43.57	54.00	-10.43	AVG
20	5407.500	52.00	0.04	52.04	74.00	-21.96	peak
21	5407.500	43.48	0.04	43.52	54.00	-10.48	AVG
22	5432.800	51.44	0.09	51.53	74.00	-22.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
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	4888.300	52.83	-1.07	51.76	74.00	-22.24	peak
2	4981.800	53.27	-0.82	52.45	74.00	-21.55	peak
3	4981.800	39.37	-0.82	38.55	54.00	-15.45	AVG
4	4990.600	53.30	-0.79	52.51	74.00	-21.49	peak
5	4990.600	39.35	-0.79	38.56	54.00	-15.44	AVG
6	5031.300	53.50	-0.70	52.80	74.00	-21.20	peak
7	5031.300	39.38	-0.70	38.68	54.00	-15.32	AVG
8	5039.000	53.54	-0.69	52.85	74.00	-21.15	peak
9	5039.000	39.32	-0.69	38.63	54.00	-15.37	AVG
10	5067.600	53.46	-0.64	52.82	74.00	-21.18	peak

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

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11	5067.600	39.33	-0.64	38.69	54.00	-15.31	AVG
12	5080.800	53.32	-0.61	52.71	74.00	-21.29	peak
13	5080.800	39.33	-0.61	38.72	54.00	-15.28	AVG
14	5109.400	53.36	-0.55	52.81	74.00	-21.19	peak
15	5109.400	39.28	-0.55	38.73	54.00	-15.27	AVG
16	5114.900	54.67	-0.54	54.13	74.00	-19.87	peak
17	5114.900	39.22	-0.54	38.68	54.00	-15.32	AVG
18	5135.800	53.40	-0.50	52.90	74.00	-21.10	peak
19	5135.800	39.18	-0.50	38.68	54.00	-15.32	AVG
20	5150.000	51.64	-0.48	51.16	74.00	-22.84	peak
21	5326.100	101.48	-0.12	101.36	--	--	peak
22	5350.000	51.92	-0.08	51.84	74.00	-22.16	peak
23	5364.600	51.67	-0.05	51.62	74.00	-22.38	peak
24	5396.500	52.12	0.01	52.13	74.00	-21.87	peak
25	5396.500	39.63	0.01	39.64	54.00	-14.36	AVG
26	5437.200	52.90	0.09	52.99	74.00	-21.01	peak
27	5437.200	38.37	0.09	38.46	54.00	-15.54	AVG
28	5448.200	51.97	0.12	52.09	74.00	-21.91	peak
29	5448.200	38.32	0.12	38.44	54.00	-15.56	AVG

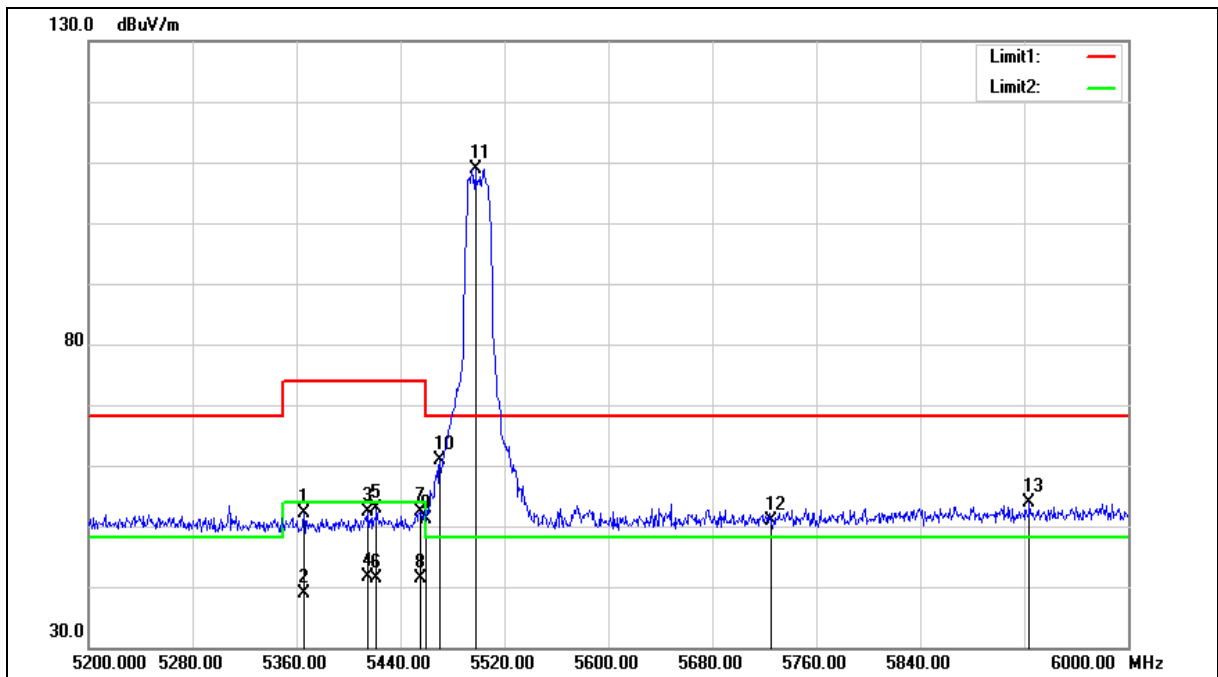
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5500 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

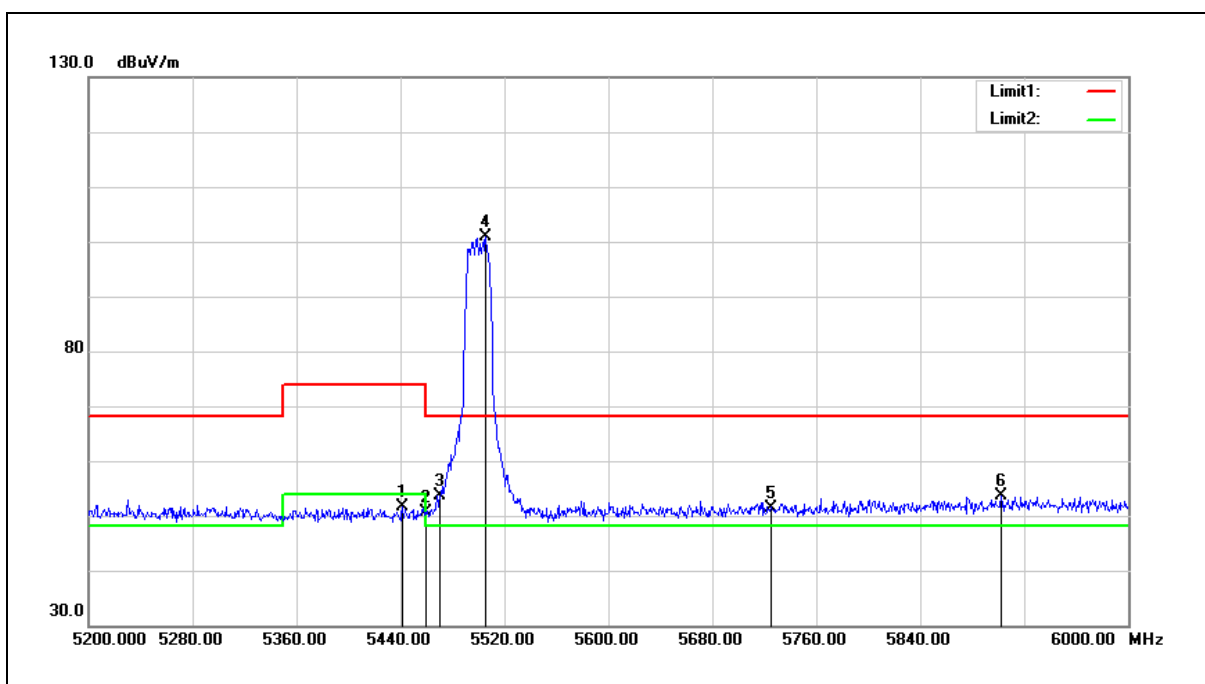
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5365.600	52.17	-0.05	52.12	74.00	-21.88	peak
2	5365.600	38.82	-0.05	38.77	54.00	-15.23	AVG
3	5415.200	52.32	0.05	52.37	74.00	-21.63	peak
4	5415.200	41.55	0.05	41.60	54.00	-12.40	AVG
5	5421.600	52.85	0.06	52.91	74.00	-21.09	peak
6	5421.600	41.40	0.06	41.46	54.00	-12.54	AVG
7	5455.200	52.25	0.12	52.37	74.00	-21.63	peak
8	5455.200	41.17	0.12	41.29	54.00	-12.71	AVG
9	5460.000	51.03	0.14	51.17	74.00	-22.83	peak
10	5470.000	60.66	0.16	60.82	68.20	-7.38	peak
11	5497.600	108.62	0.21	108.83	--	--	peak
12	5725.000	49.96	0.82	50.78	68.20	-17.42	peak
13	5924.000	52.45	1.37	53.82	68.20	-14.38	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		
Frequency:	5500 MHz		
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	5441.600	51.53	0.09	51.62	74.00	-22.38	peak
2	5460.000	50.50	0.14	50.64	74.00	-23.36	peak
3	5470.000	53.57	0.16	53.73	68.20	-14.47	peak
4	5505.600	100.63	0.23	100.86	--	--	peak
5	5725.000	50.67	0.82	51.49	68.20	-16.71	peak
6	5902.400	52.40	1.30	53.70	68.20	-14.50	peak

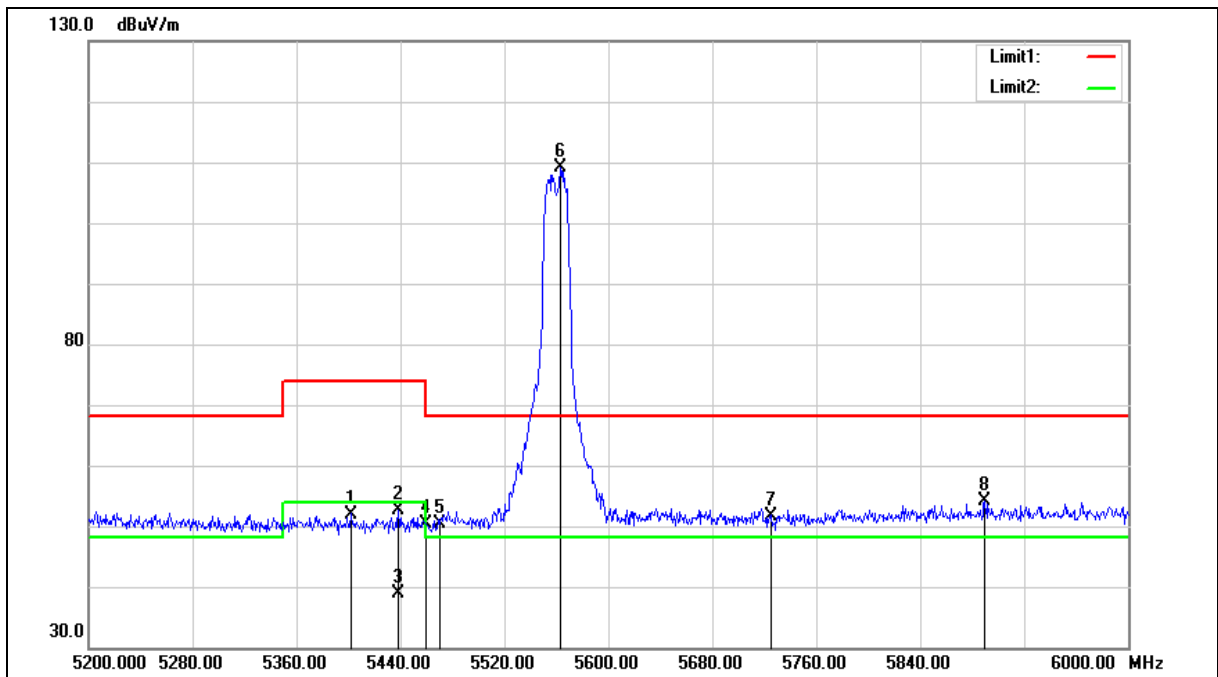
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5560 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5560 MHz		
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	5401.600	51.98	0.02	52.00	74.00	-22.00	peak
2	5438.400	52.56	0.09	52.65	74.00	-21.35	peak
3	5438.400	38.83	0.09	38.92	54.00	-15.08	AVG
4	5460.000	50.34	0.14	50.48	74.00	-23.52	peak
5	5470.000	50.17	0.16	50.33	68.20	-17.87	peak
6	5563.200	108.83	0.39	109.22	--	--	peak
7	5725.000	50.76	0.82	51.58	68.20	-16.62	peak
8	5889.600	52.81	1.26	54.07	68.20	-14.13	peak

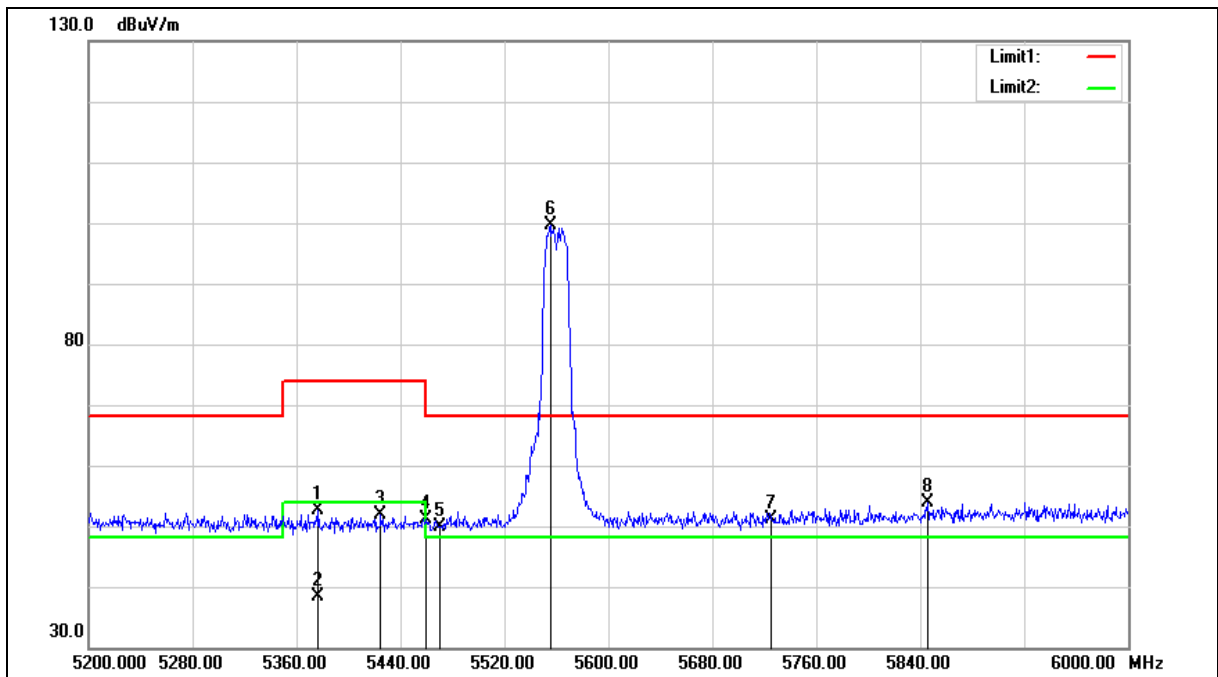
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

3.When the peak 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		
Frequency:	5560 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5560 MHz		
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	5376.800	52.55	-0.03	52.52	74.00	-21.48	peak
2	5376.800	38.47	-0.03	38.44	54.00	-15.56	AVG
3	5424.800	51.86	0.06	51.92	74.00	-22.08	peak
4	5460.000	50.99	0.14	51.13	74.00	-22.87	peak
5	5470.000	49.74	0.16	49.90	68.20	-18.30	peak
6	5555.200	99.16	0.36	99.52	--	-	peak
7	5725.000	50.43	0.82	51.25	68.20	-16.95	peak
8	5845.600	52.65	1.15	53.80	68.20	-14.40	peak

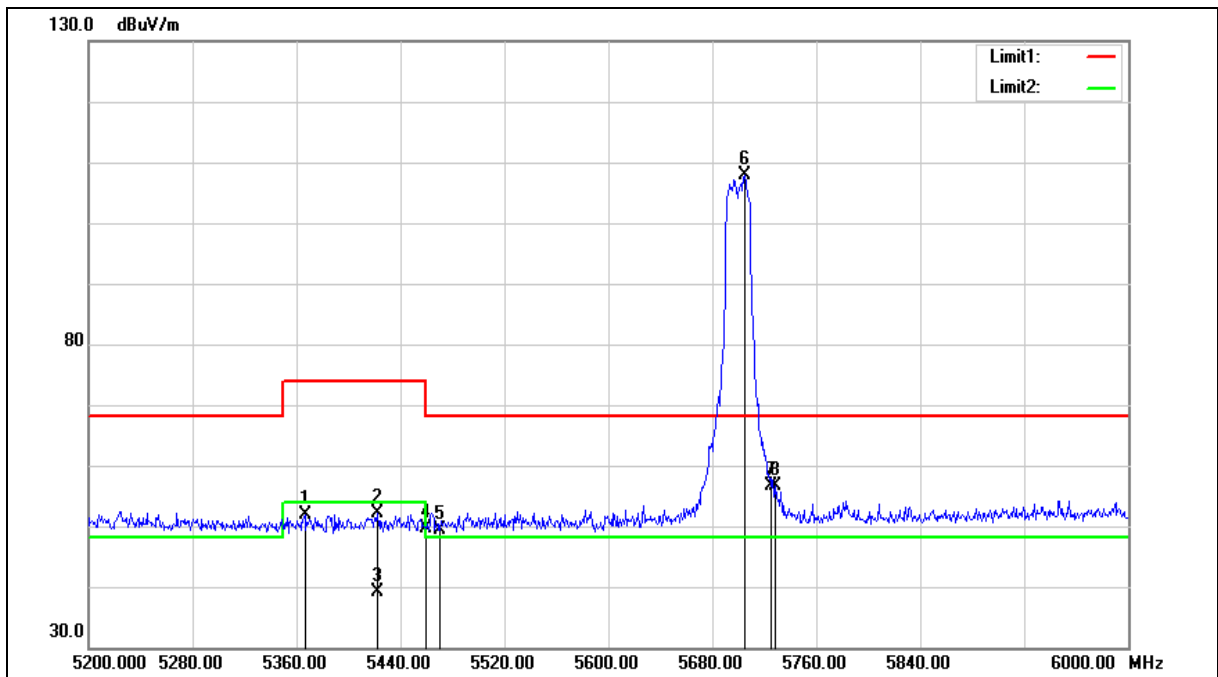
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5700 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

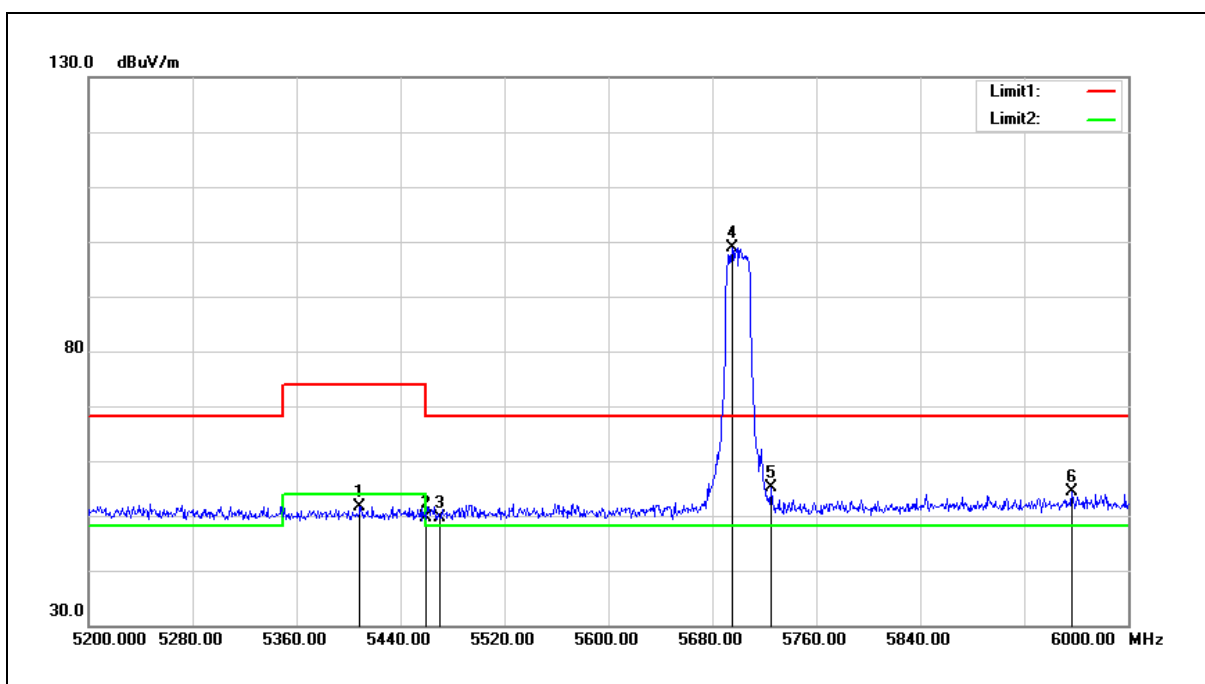
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5366.400	52.00	-0.05	51.95	74.00	-22.05	peak
2	5422.400	51.96	0.06	52.02	74.00	-21.98	peak
3	5422.400	38.95	0.06	39.01	54.00	-14.99	AVG
4	5460.000	49.49	0.14	49.63	74.00	-24.37	peak
5	5470.000	49.21	0.16	49.37	68.20	-18.83	peak
6	5704.800	107.18	0.78	107.96	--	--	peak
7	5725.000	55.81	0.82	56.63	68.20	-11.57	peak
8	5728.800	55.69	0.84	56.53	68.20	-11.67	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
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	5408.800	51.61	0.04	51.65	74.00	-22.35	peak
2	5460.000	49.43	0.14	49.57	74.00	-24.43	peak
3	5470.000	49.39	0.16	49.55	68.20	-18.65	peak
4	5695.200	98.11	0.74	98.85	--	--	peak
5	5725.000	54.29	0.82	55.11	68.20	-13.09	peak
6	5956.800	52.83	1.45	54.28	68.20	-13.92	peak

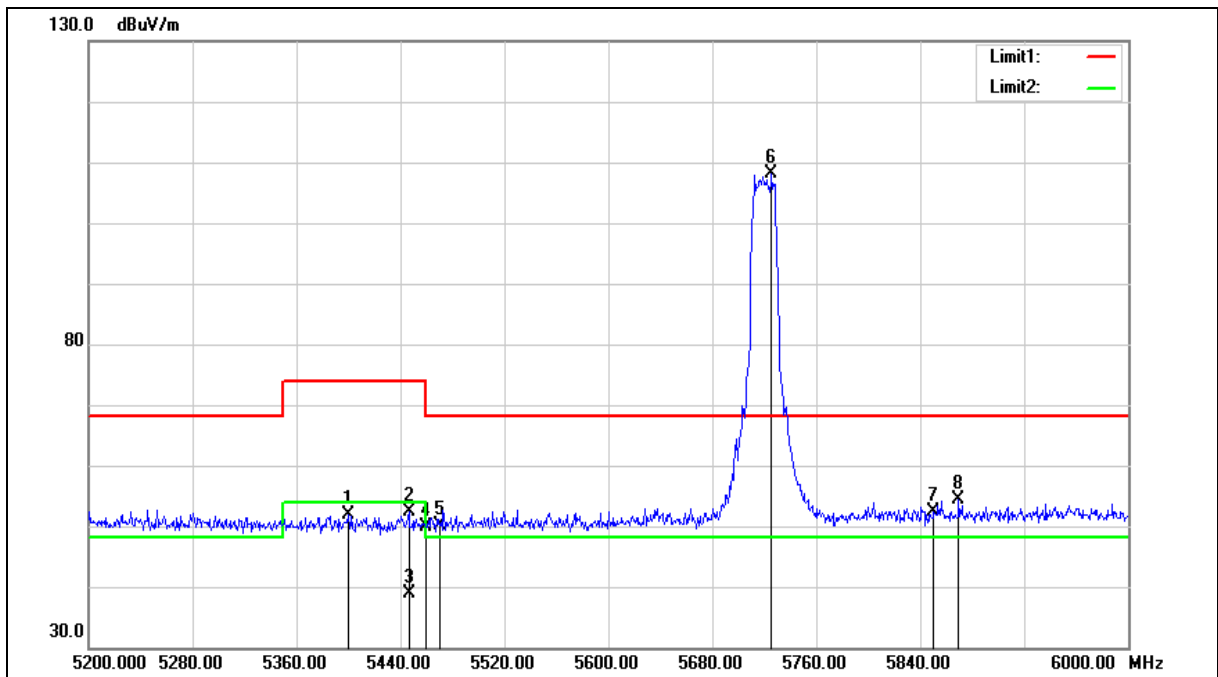
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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		
Frequency:	5720 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5720 MHz		
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	5400.000	51.90	0.02	51.92	74.00	-22.08	peak
2	5446.400	52.30	0.11	52.41	74.00	-21.59	peak
3	5446.400	38.85	0.11	38.96	54.00	-15.04	AVG
4	5460.000	49.79	0.14	49.93	74.00	-24.07	peak
5	5470.000	50.00	0.16	50.16	68.20	-18.04	peak
6	5725.600	107.30	0.82	108.12	--	--	peak
7	5850.000	51.10	1.17	52.27	68.20	-15.93	peak
8	5869.600	53.22	1.22	54.44	68.20	-13.76	peak

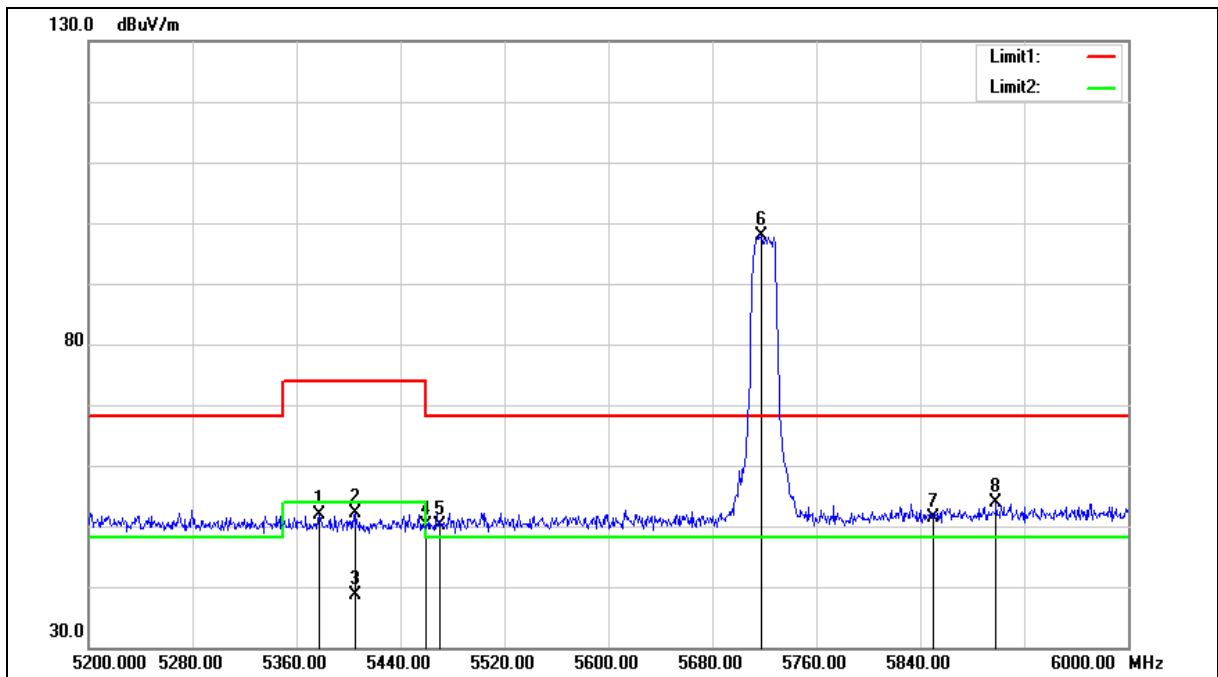
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5720 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5720 MHz		
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	5377.600	51.88	-0.03	51.85	74.00	-22.15	peak
2	5405.600	52.14	0.02	52.16	74.00	-21.84	peak
3	5405.600	38.55	0.02	38.57	54.00	-15.43	AVG
4	5460.000	50.08	0.14	50.22	74.00	-23.78	peak
5	5470.000	50.03	0.16	50.19	68.20	-18.01	peak
6	5717.600	97.10	0.81	97.91	--	--	peak
7	5850.000	50.20	1.17	51.37	68.20	-16.83	peak
8	5898.400	52.56	1.30	53.86	68.20	-14.34	peak

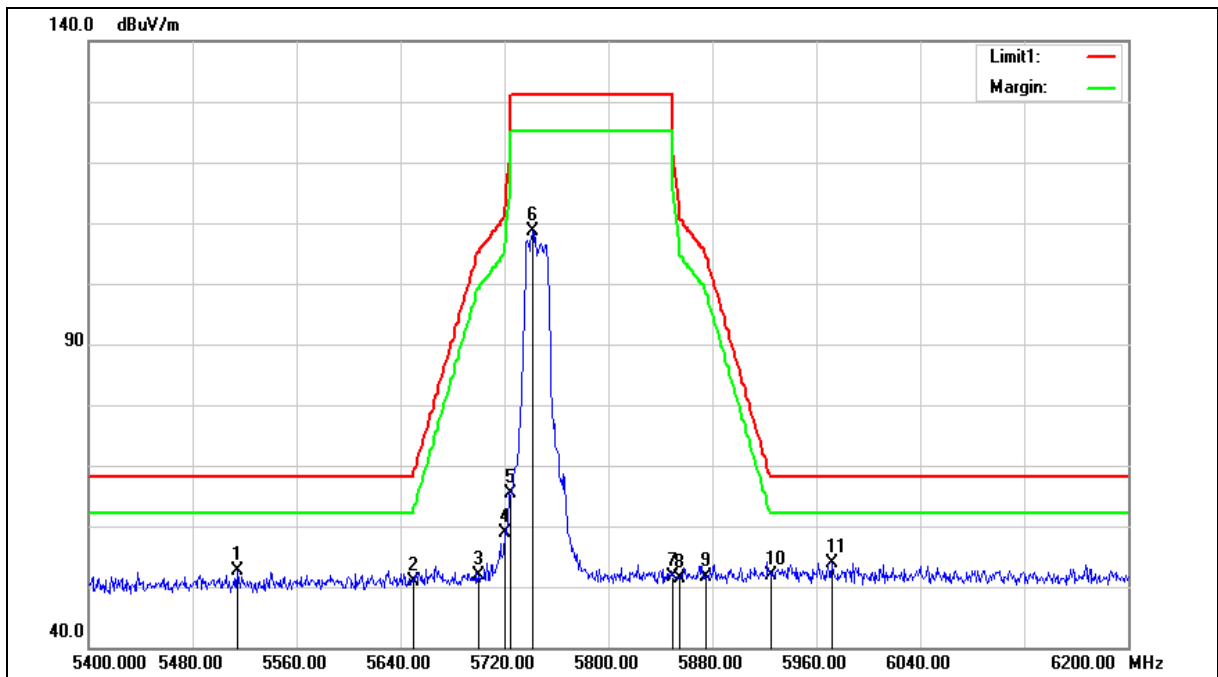
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

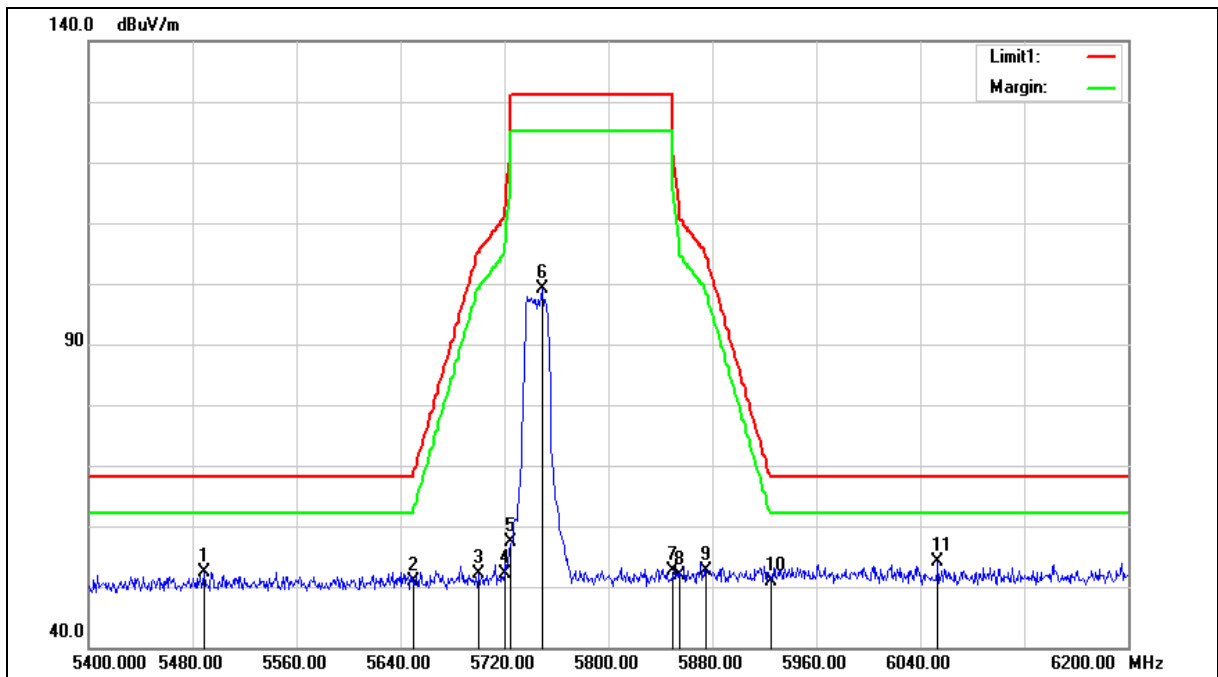
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5514.400	52.29	0.25	52.54	68.20	-15.66	peak
2	5650.000	50.36	0.62	50.98	68.20	-17.22	peak
3	5700.000	51.09	0.75	51.84	105.20	-53.36	peak
4	5720.000	58.01	0.81	58.82	110.80	-51.98	peak
5	5725.000	64.62	0.82	65.44	122.20	-56.76	peak
6	5741.600	107.64	0.87	108.51	--	--	peak
7	5850.000	50.35	1.17	51.52	122.20	-70.68	peak
8	5855.000	50.10	1.18	51.28	110.80	-59.52	peak
9	5875.000	50.39	1.23	51.62	105.20	-53.58	peak
10	5925.000	50.47	1.37	51.84	68.20	-16.36	peak
11	5972.000	52.48	1.50	53.98	68.20	-14.22	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:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

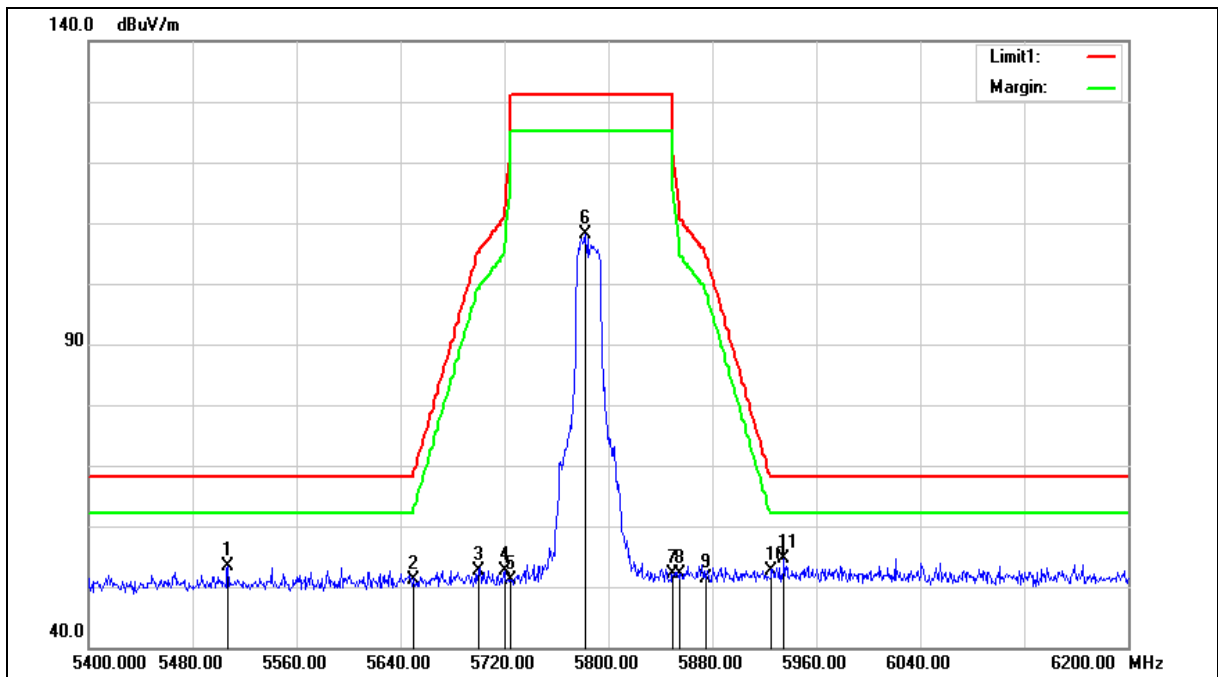
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5488.800	52.25	0.19	52.44	68.20	-15.76	peak
2	5650.000	50.27	0.62	50.89	68.20	-17.31	peak
3	5700.000	51.34	0.75	52.09	105.20	-53.11	peak
4	5720.000	51.39	0.81	52.20	110.80	-58.60	peak
5	5725.000	56.46	0.82	57.28	122.20	-64.92	peak
6	5748.800	98.24	0.89	99.13	--	--	peak
7	5850.000	51.44	1.17	52.61	122.20	-69.59	peak
8	5855.000	50.75	1.18	51.93	110.80	-58.87	peak
9	5875.000	51.51	1.23	52.74	105.20	-52.46	peak
10	5925.000	49.39	1.37	50.76	68.20	-17.44	peak
11	6053.600	52.34	1.76	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		
Frequency:	5785 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
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	5507.200	53.25	0.23	53.48	68.20	-14.72	peak
2	5650.000	50.62	0.62	51.24	68.20	-16.96	peak
3	5700.000	51.93	0.75	52.68	105.20	-52.52	peak
4	5720.000	51.77	0.81	52.58	110.80	-58.22	peak
5	5725.000	50.41	0.82	51.23	122.20	-70.97	peak
6	5782.400	107.08	0.98	108.06	--	--	peak
7	5850.000	50.85	1.17	52.02	122.20	-70.18	peak
8	5855.000	51.04	1.18	52.22	110.80	-58.58	peak
9	5875.000	50.08	1.23	51.31	105.20	-53.89	peak
10	5925.000	51.38	1.37	52.75	68.20	-15.45	peak
11	5935.200	53.35	1.40	54.75	68.20	-13.45	peak

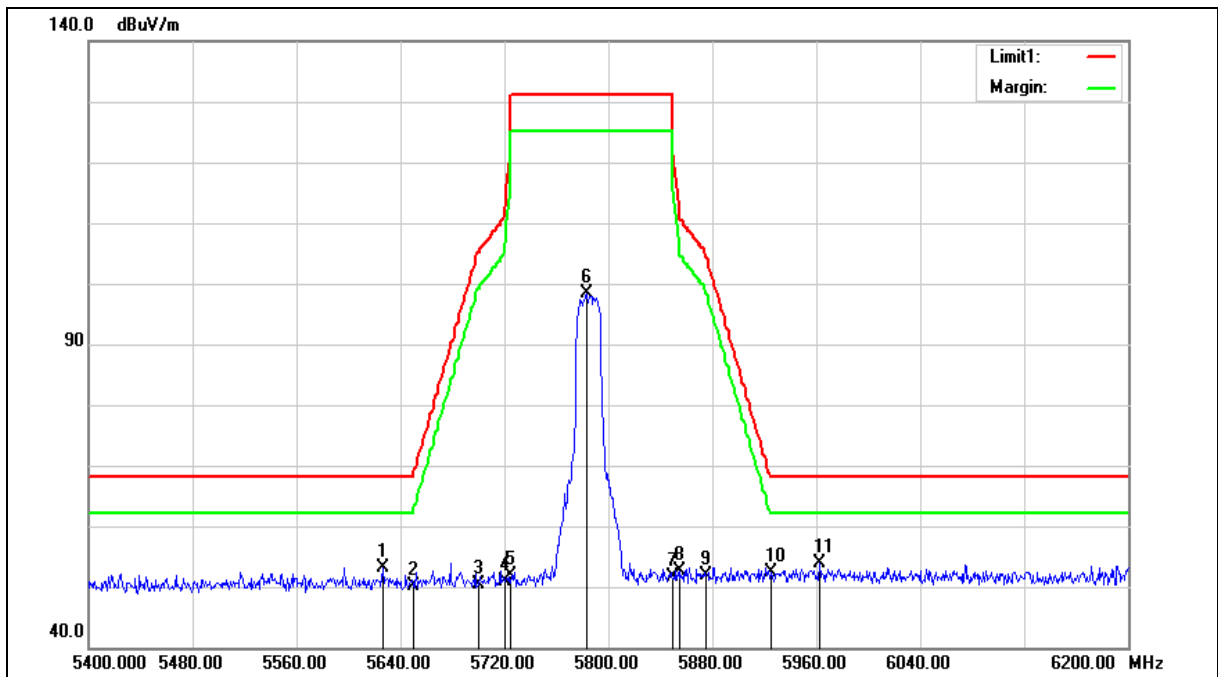
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
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	5626.400	52.55	0.55	53.10	68.20	-15.10	peak
2	5650.000	49.55	0.62	50.17	68.20	-18.03	peak
3	5700.000	49.56	0.75	50.31	105.20	-54.89	peak
4	5720.000	50.16	0.81	50.97	110.80	-59.83	peak
5	5725.000	51.08	0.82	51.90	122.20	-70.30	peak
6	5783.200	97.38	0.98	98.36	--	--	peak
7	5850.000	50.57	1.17	51.74	122.20	-70.46	peak
8	5855.000	51.44	1.18	52.62	110.80	-58.18	peak
9	5875.000	50.74	1.23	51.97	105.20	-53.23	peak
10	5925.000	51.06	1.37	52.43	68.20	-15.77	peak
11	5962.400	52.33	1.46	53.79	68.20	-14.41	peak

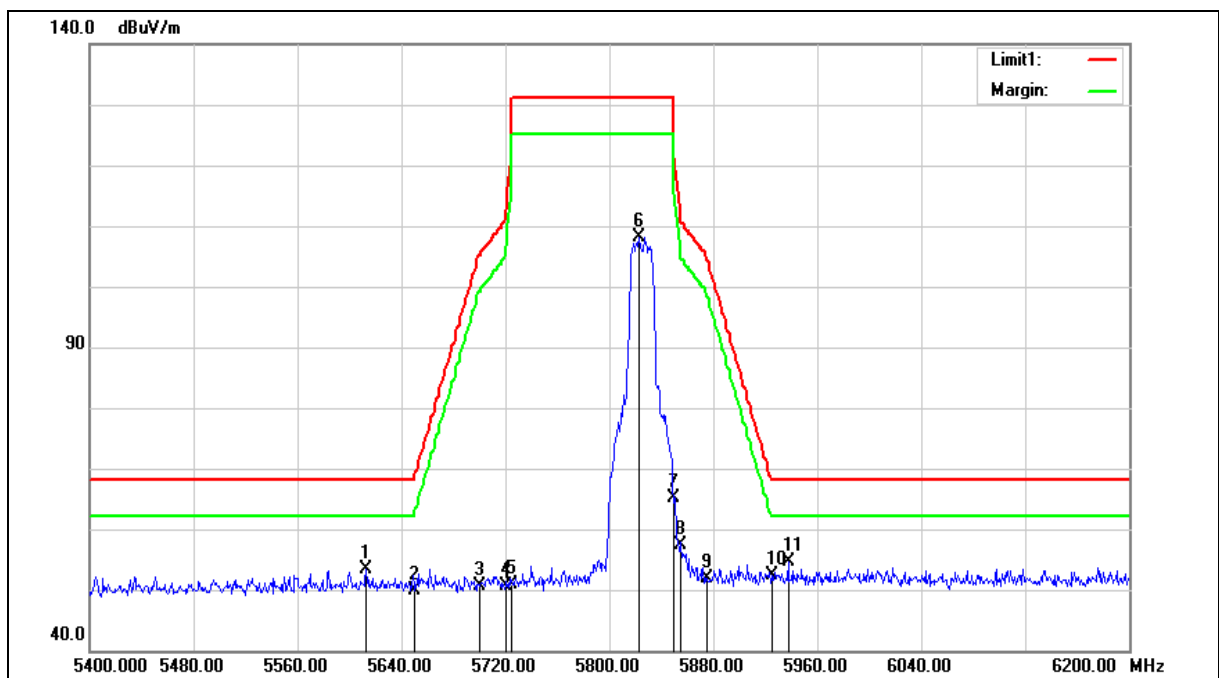
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
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	5612.800	52.77	0.52	53.29	68.20	-14.91	peak
2	5650.000	49.30	0.62	49.92	68.20	-18.28	peak
3	5700.000	49.78	0.75	50.53	105.20	-54.67	peak
4	5720.000	49.93	0.81	50.74	110.80	-60.06	peak
5	5725.000	50.01	0.82	50.83	122.20	-71.37	peak
6	5822.400	107.09	1.10	108.19	--	--	peak
7	5850.000	63.89	1.17	65.06	122.20	-57.14	peak
8	5855.000	56.26	1.18	57.44	110.80	-53.36	peak
9	5875.000	50.70	1.23	51.93	105.20	-53.27	peak
10	5925.000	51.12	1.37	52.49	68.20	-15.71	peak
11	5937.600	53.14	1.40	54.54	68.20	-13.66	peak

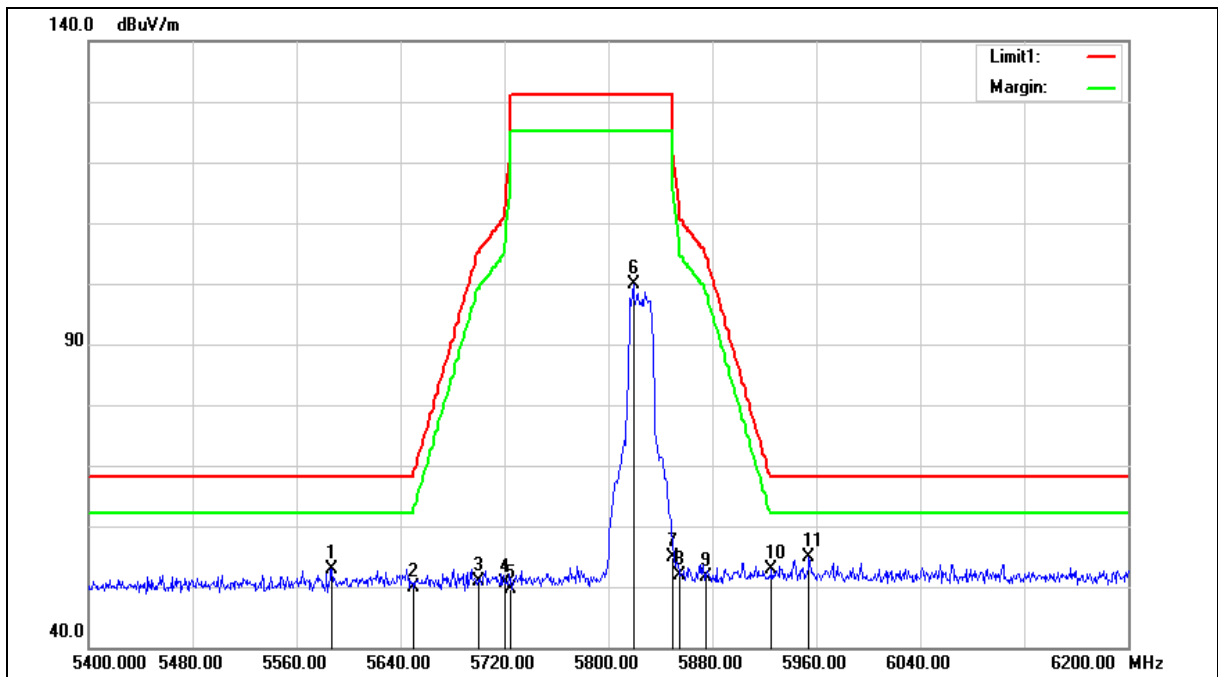
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
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	5587.200	52.46	0.46	52.92	68.20	-15.28	peak
2	5650.000	49.29	0.62	49.91	68.20	-18.29	peak
3	5700.000	50.21	0.75	50.96	105.20	-54.24	peak
4	5720.000	49.78	0.81	50.59	110.80	-60.21	peak
5	5725.000	48.91	0.82	49.73	122.20	-72.47	peak
6	5819.200	98.89	1.08	99.97	--	--	peak
7	5850.000	53.71	1.17	54.88	122.20	-67.32	peak
8	5855.000	50.65	1.18	51.83	110.80	-58.97	peak
9	5875.000	50.29	1.23	51.52	105.20	-53.68	peak
10	5925.000	51.43	1.37	52.80	68.20	-15.40	peak
11	5954.400	53.32	1.45	54.77	68.20	-13.43	peak

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

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

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

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	13.08	0.020	≤ 24.00
5200.0		13.26	0.021	≤ 24.00
5220.0		13.22	0.021	≤ 24.00
5240.0		13.05	0.020	≤ 24.00
5260.0		13.47	0.022	≤ 24.00
5280.0		13.36	0.022	≤ 24.00
5300.0		13.31	0.021	≤ 24.00
5320.0		13.19	0.021	≤ 23.27
5500.0		13.56	0.023	≤ 23.27
5520.0		13.11	0.020	≤ 23.27
5540.0		13.14	0.021	≤ 23.27
5560.0		13.17	0.021	≤ 23.27
5580.0		13.09	0.020	≤ 23.27
5600.0		13.19	0.021	≤ 23.27
5620.0		13.17	0.021	≤ 23.27
5640.0		13.18	0.021	≤ 23.27
5660.0		13.08	0.020	≤ 23.27
5680.0		13.10	0.020	≤ 23.27
5700.0		13.05	0.020	≤ 23.27
5720.0		11.45	0.014	≤ 23.27
5720.0		4.98	0.003	≤ 23.27
5745.0		13.11	0.020	≤ 30.00
5765.0		13.20	0.021	≤ 30.00
5785.0		13.24	0.021	≤ 30.00
5805.0		13.22	0.021	≤ 30.00
5825.0		13.43	0.022	≤ 30.00

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-1		Limit (dBm)
		(dBm)	(W)	
5180.0	6 M	13.12	0.021	≤ 24.00
5200.0		13.33	0.022	≤ 24.00
5220.0		13.29	0.021	≤ 24.00
5240.0		13.13	0.021	≤ 24.00
5260.0		13.53	0.023	≤ 24.00
5280.0		13.41	0.022	≤ 24.00
5300.0		13.37	0.022	≤ 24.00
5320.0		13.29	0.021	≤ 23.27
5500.0		13.62	0.023	≤ 23.27
5520.0		13.15	0.021	≤ 23.27
5540.0		13.19	0.021	≤ 23.27
5560.0		13.24	0.021	≤ 23.27
5580.0		13.17	0.021	≤ 23.27
5600.0		13.22	0.021	≤ 23.27
5620.0		13.20	0.021	≤ 23.27
5640.0		13.21	0.021	≤ 23.27
5660.0		13.15	0.021	≤ 23.27
5680.0		13.13	0.021	≤ 23.27
5700.0		13.11	0.020	≤ 23.27
5720.0		11.51	0.014	≤ 23.27
5720.0		5.00	0.003	≤ 30.00
5745.0		13.17	0.021	≤ 30.00
5765.0		13.26	0.021	≤ 30.00
5785.0		13.31	0.021	≤ 30.00
5805.0		13.28	0.021	≤ 30.00
5825.0		13.47	0.022	≤ 30.00

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

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-0		Limit (dBm)
		(dBm)	(W)	
5180.0	6.5 M	13.23	0.021	≤ 24.00
5200.0		13.28	0.021	≤ 24.00
5220.0		13.22	0.021	≤ 24.00
5240.0		13.27	0.021	≤ 24.00
5260.0		13.05	0.020	≤ 24.00
5280.0		13.27	0.021	≤ 24.00
5300.0		13.20	0.021	≤ 24.00
5320.0		13.29	0.021	≤ 23.48
5500.0		13.23	0.021	≤ 23.48
5520.0		13.20	0.021	≤ 23.48
5540.0		13.32	0.021	≤ 23.48
5560.0		13.40	0.022	≤ 23.48
5580.0		13.26	0.021	≤ 23.48
5600.0		13.27	0.021	≤ 23.48
5620.0		13.26	0.021	≤ 23.48
5640.0		13.31	0.021	≤ 23.48
5660.0		13.05	0.020	≤ 23.48
5680.0		13.17	0.021	≤ 23.48
5700.0		13.10	0.020	≤ 23.48
5720.0		11.59	0.014	≤ 23.48
5720.0		5.64	0.004	≤ 30.00
5745.0		13.06	0.020	≤ 30.00
5765.0		13.00	0.020	≤ 30.00
5785.0		13.02	0.020	≤ 30.00
5805.0		13.01	0.020	≤ 30.00
5825.0		13.00	0.020	≤ 30.00

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

Test Mode		Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode		
Frequency (MHz)	Data Rate	ANT-1		Limit (dBm)
		(dBm)	(W)	
5180.0	6.5 M	13.27	0.021	≤ 24.00
5200.0		13.30	0.021	≤ 24.00
5220.0		13.25	0.021	≤ 24.00
5240.0		13.31	0.021	≤ 24.00
5260.0		13.14	0.021	≤ 24.00
5280.0		13.28	0.021	≤ 24.00
5300.0		13.25	0.021	≤ 24.00
5320.0		13.35	0.022	≤ 23.48
5500.0		13.36	0.022	≤ 23.48
5520.0		13.30	0.021	≤ 23.48
5540.0		13.36	0.022	≤ 23.48
5560.0		13.41	0.022	≤ 23.48
5580.0		13.31	0.021	≤ 23.48
5600.0		13.32	0.021	≤ 23.48
5620.0		13.33	0.022	≤ 23.48
5640.0		13.36	0.022	≤ 23.48
5660.0		13.13	0.021	≤ 23.48
5680.0		13.20	0.021	≤ 23.48
5700.0		13.26	0.021	≤ 23.48
5720.0		11.66	0.015	≤ 23.48
5720.0		5.68	0.004	≤ 30.00
5745.0		13.22	0.021	≤ 30.00
5765.0		13.02	0.020	≤ 30.00
5785.0		13.07	0.020	≤ 30.00
5805.0		13.05	0.020	≤ 30.00
5825.0		13.14	0.021	≤ 30.00

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



26 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode
Frequency (MHz)	ANT-0 (MHz)
5180.0	21.800
5200.0	22.420
5240.0	21.810
5260.0	21.640
5280.0	22.240
5320.0	21.290
5500.0	21.220
5560.0	21.560
5700.0	22.840
5720.0	16.880

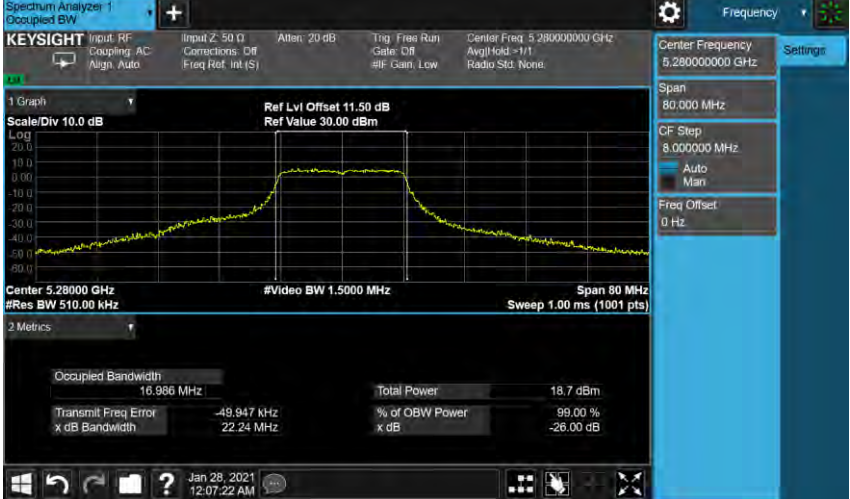
Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode
Frequency (MHz)	ANT-0 (MHz)
5180.0	23.660
5200.0	24.970
5240.0	22.560
5260.0	24.040
5280.0	22.860
5320.0	22.680
5500.0	22.640
5560.0	22.260
5700.0	25.710
5720.0	17.690

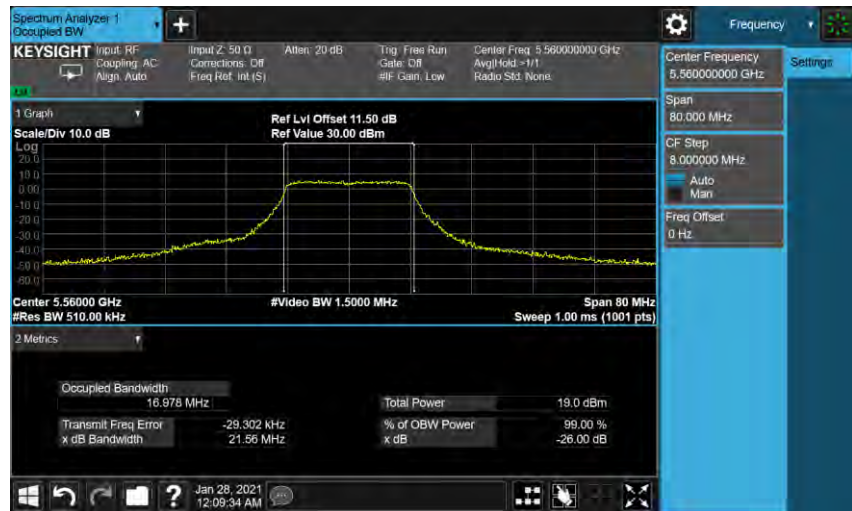
Test Graphs

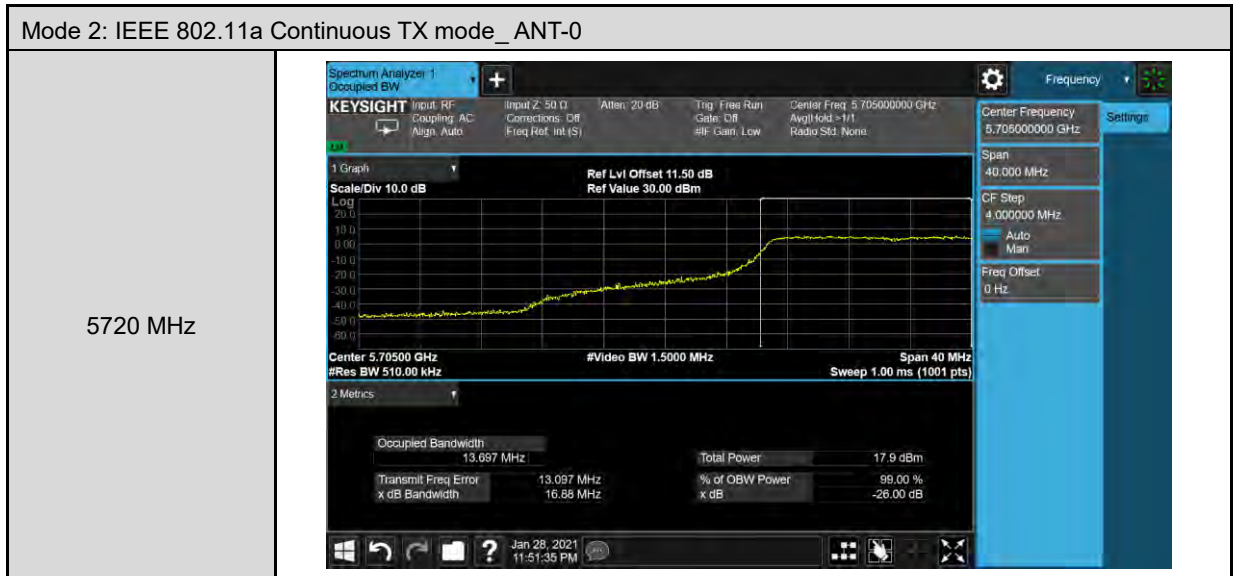
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5180 MHz	 Center 5.18000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 16.917 MHz Total Power: 19.2 dBm Transmit Freq Error: -63.292 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.80 MHz x dB: -26.00 dB
5200 MHz	 Center 5.20000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.052 MHz Total Power: 19.2 dBm Transmit Freq Error: -61.030 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.42 MHz x dB: -26.00 dB
5240 MHz	 Center 5.24000 GHz #Res BW 510.00 kHz #Video BW 1.5000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.002 MHz Total Power: 19.3 dBm Transmit Freq Error: -49.308 kHz % of OBW Power: 99.00 % x dB Bandwidth: 21.81 MHz x dB: -26.00 dB

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

5260 MHz	 Center Frequency: 5.26000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.016 MHz Total Power: 18.8 dBm Transmit Freq Error: -67.789 kHz x dB Bandwidth: 21.64 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5280 MHz	 Center Frequency: 5.28000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 16.986 MHz Total Power: 18.7 dBm Transmit Freq Error: -49.947 kHz x dB Bandwidth: 22.24 MHz % of OBW Power: 99.00 % x dB: -26.00 dB
5320 MHz	 Center Frequency: 5.32000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.000 MHz Total Power: 18.1 dBm Transmit Freq Error: -43.334 kHz x dB Bandwidth: 21.29 MHz % of OBW Power: 99.00 % x dB: -26.00 dB

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The settings include: Center Frequency 5,500,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 17.026 MHz, Total Power 18.1 dBm, Transmit Freq Error -51.477 KHz, % of OBW Power 99.00 %, x dB Bandwidth 21.22 MHz, x dB -26.00 dB.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The settings include: Center Frequency 5,560,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 16.978 MHz, Total Power 19.0 dBm, Transmit Freq Error -29.302 KHz, % of OBW Power 99.00 %, x dB Bandwidth 21.56 MHz, x dB -26.00 dB.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The settings include: Center Frequency 5,700,000,000 GHz, Span 80.000 MHz, CF Step 8.000,000 MHz, Auto Man, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 17.082 MHz, Total Power 18.8 dBm, Transmit Freq Error -60.744 KHz, % of OBW Power 99.00 %, x dB Bandwidth 22.84 MHz, x dB -26.00 dB.



Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ANT-0	
5180 MHz	 Center Frequency: 5.18000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 17.989 MHz Total Power: 20.5 dBm Transmit Freq Error: -47.349 kHz % of OBW Power: 99.00 % x dB Bandwidth: 23.66 MHz x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 18.164 MHz Total Power: 20.4 dBm Transmit Freq Error: -27.071 kHz % of OBW Power: 99.00 % x dB Bandwidth: 24.97 MHz x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 80.000 MHz CF Step: 8.000000 MHz Auto Man Freq Offset: 0 Hz Occupied Bandwidth: 18.165 MHz Total Power: 20.5 dBm Transmit Freq Error: -76.207 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.56 MHz x dB: -26.00 dB

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ANT-0	
5260 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5260 MHz. The graph displays a signal with a peak at 5260 MHz. The settings are: Center Frequency 5.26000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.076 MHz, Total Power 20.1 dBm, Transmit Freq Error -63.628 kHz, x dB Bandwidth 24.04 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.
5280 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5280 MHz. The graph displays a signal with a peak at 5280 MHz. The settings are: Center Frequency 5.28000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.143 MHz, Total Power 20.2 dBm, Transmit Freq Error -42.447 kHz, x dB Bandwidth 22.86 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.
5320 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5320 MHz. The graph displays a signal with a peak at 5320 MHz. The settings are: Center Frequency 5.32000000 GHz, Span 80.000 MHz, CF Step 8.000000 MHz, Freq Offset 0 Hz. The metrics show: Occupied Bandwidth 18.093 MHz, Total Power 19.1 dBm, Transmit Freq Error -32.905 kHz, x dB Bandwidth 22.68 MHz, % of OBW Power 99.00 %, x dB -26.00 dB.

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ANT-0	
5500 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5500.000 GHz. The graph displays a signal with a peak at 5500.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5500.000 GHz. The video bandwidth is 1.5000 MHz. The resolution bandwidth is 510.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.020 MHz, total power of 19.5 dBm, transmit frequency error of -34.818 kHz, and x dB bandwidth of 22.64 MHz. The % of OBW Power is 99.00 %.
5560 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5560.000 GHz. The graph displays a signal with a peak at 5560.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5560.000 GHz. The video bandwidth is 1.5000 MHz. The resolution bandwidth is 510.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.038 MHz, total power of 20.1 dBm, transmit frequency error of -59.490 kHz, and x dB bandwidth of 22.26 MHz. The % of OBW Power is 99.00 %.
5700 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5700.000 GHz. The graph displays a signal with a peak at 5700.000 GHz. The scale is 10.0 dB, and the span is 80.000 MHz. The center frequency is 5700.000 GHz. The video bandwidth is 1.5000 MHz. The resolution bandwidth is 510.00 kHz. The sweep is 1.00 ms (1001 pts). The metrics show an occupied bandwidth of 18.235 MHz, total power of 20.0 dBm, transmit frequency error of -80.674 kHz, and x dB bandwidth of 25.71 MHz. The % of OBW Power is 99.00 %.



Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode_ANT-0



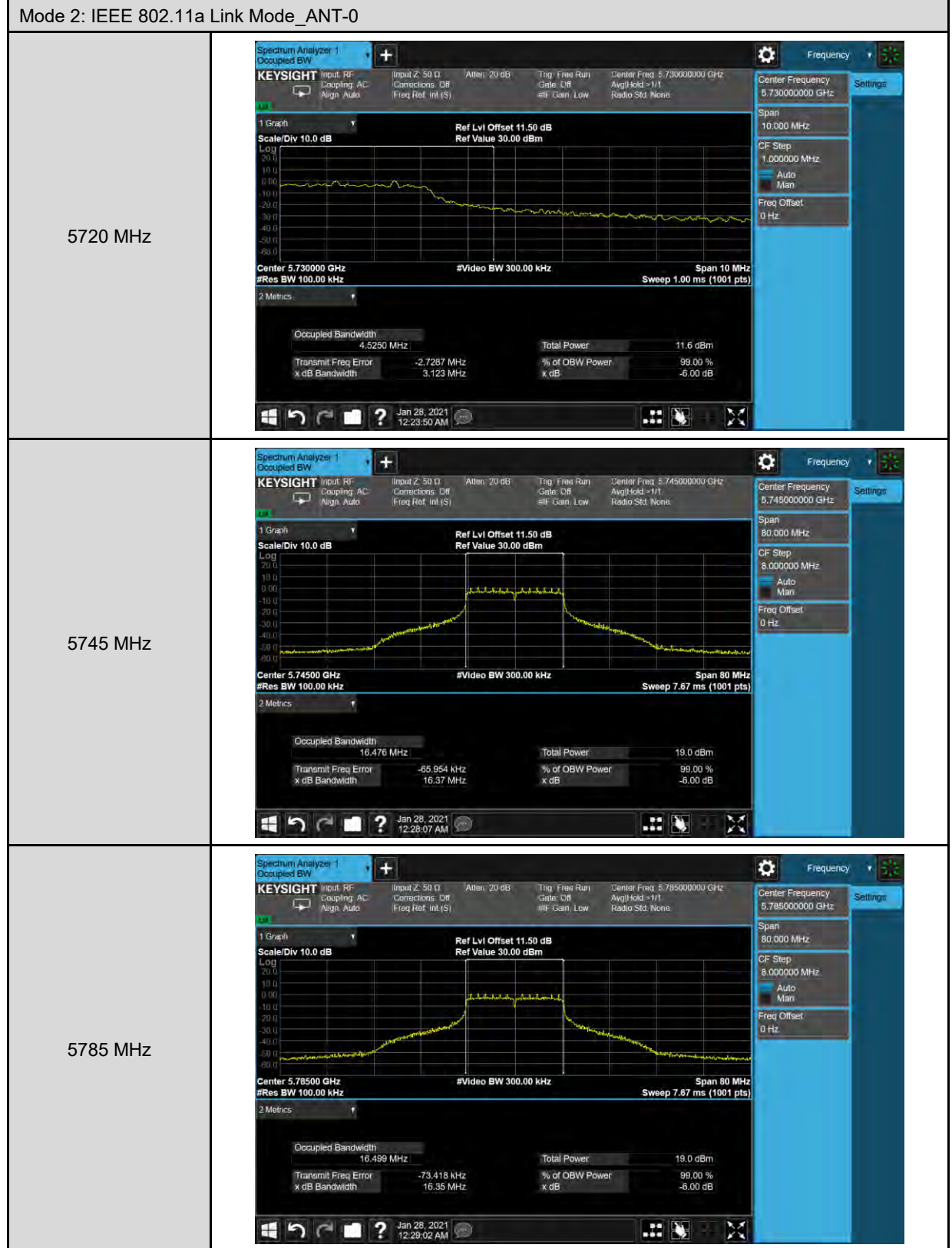


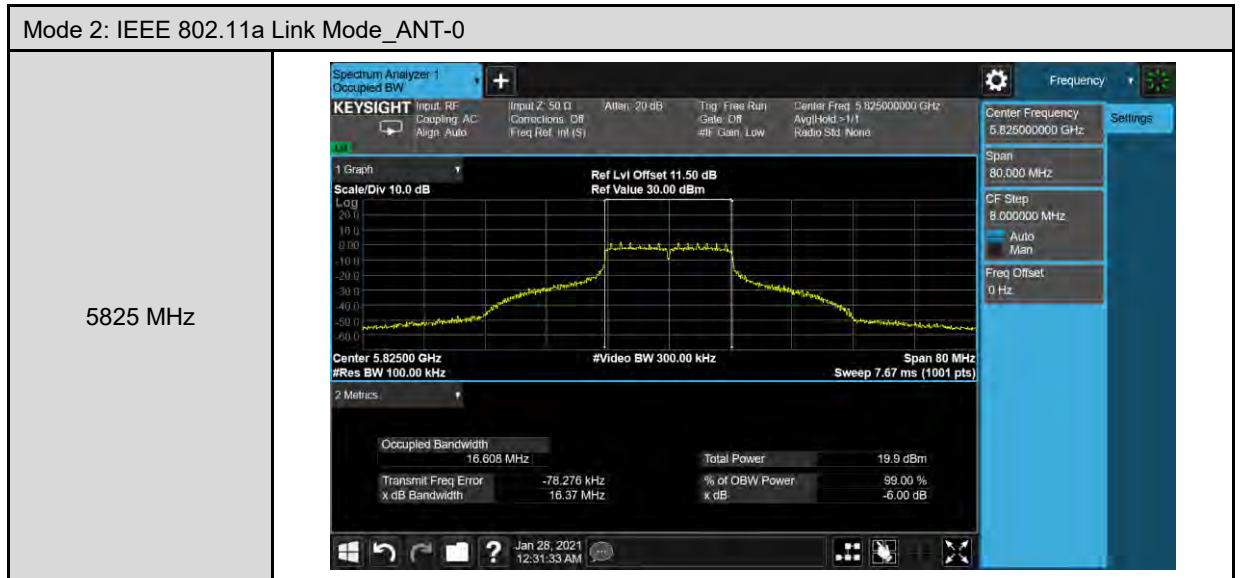
6 dB RF Bandwidth Measurement

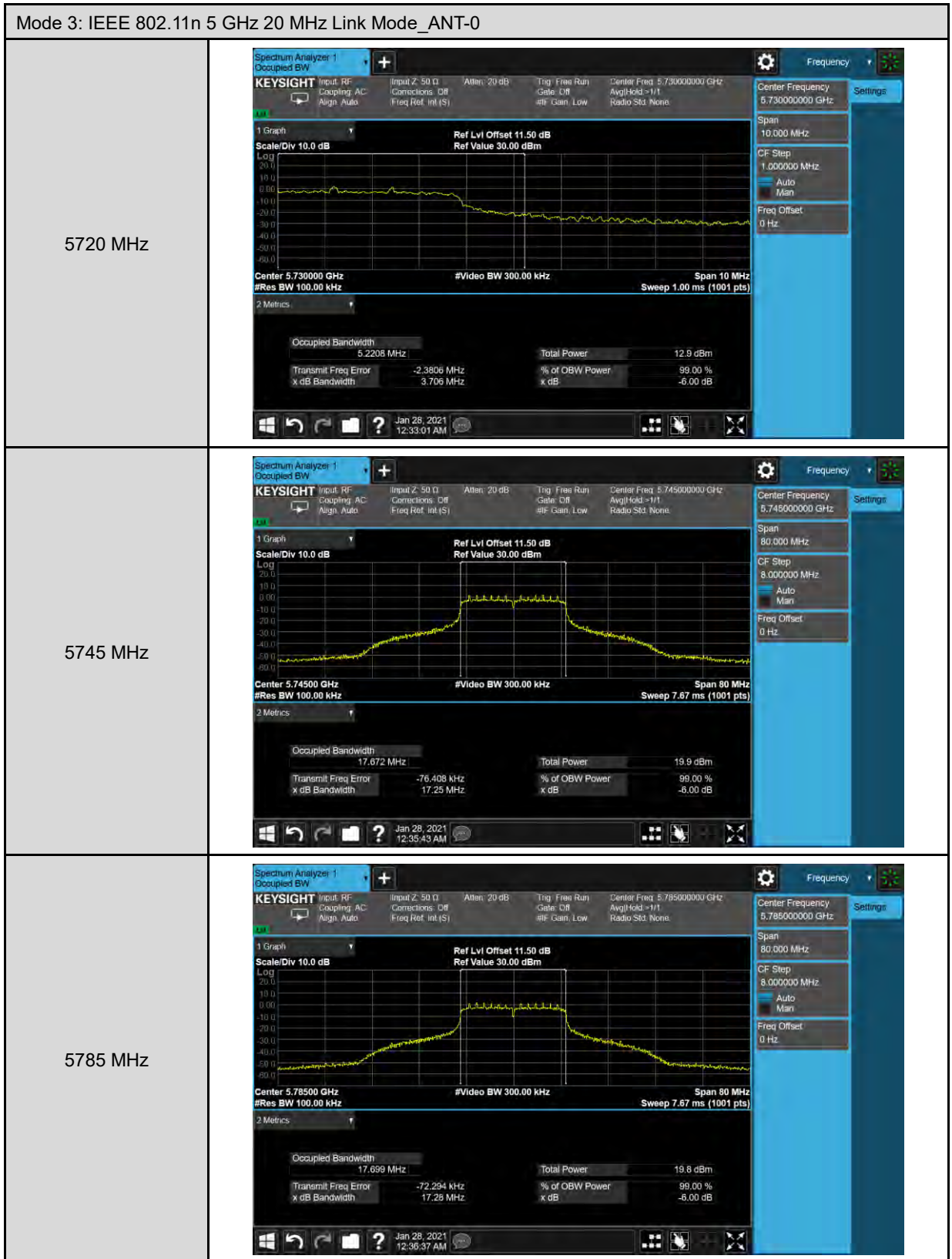
Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-0 (kHz)	Limit (kHz)
5720.0	3123	≥ 500
5745.0	16370	≥ 500
5785.0	16350	≥ 500
5825.0	16370	≥ 500

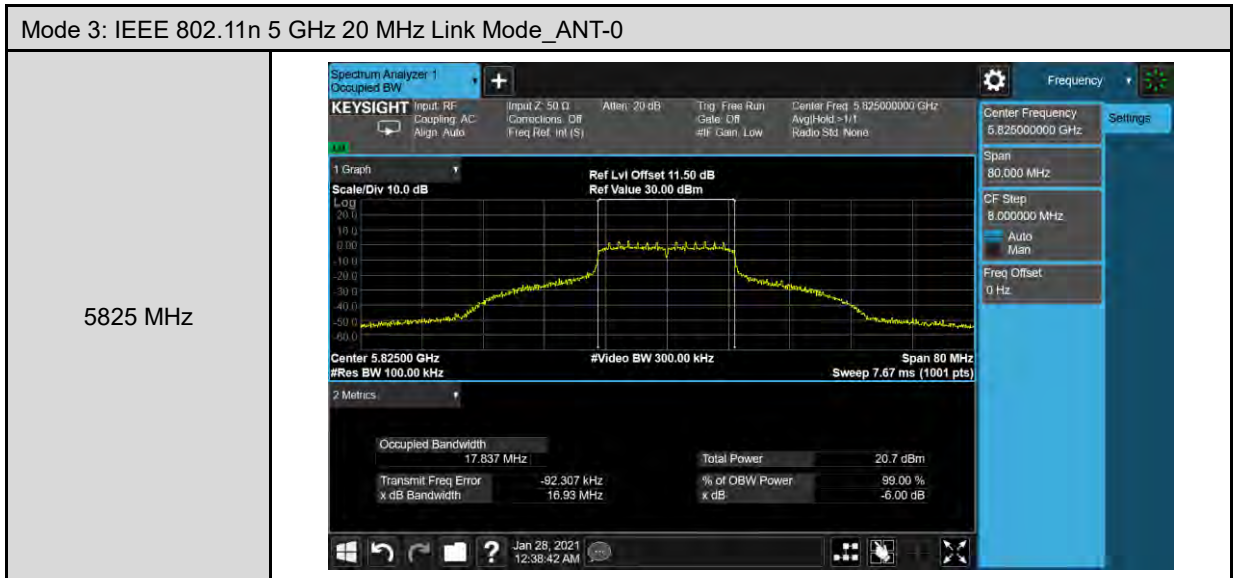
Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode	
Frequency (MHz)	ANT-0 (kHz)	Limit (kHz)
5720.0	3706	≥ 500
5745.0	17250	≥ 500
5785.0	17280	≥ 500
5825.0	16930	≥ 500

Test Graphs









Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180.0	1.847	0.053	1.900	≤ 11.00
5200.0	2.013	0.053	2.066	
5240.0	1.803	0.053	1.856	
5260.0	1.978	0.053	2.031	
5280.0	1.842	0.053	1.895	
5320.0	1.612	0.053	1.665	
5500.0	2.253	0.053	2.306	
5560.0	1.971	0.053	2.024	
5700.0	1.891	0.053	1.944	
5720.0	1.585	0.053	1.638	

Frequency (MHz)	ANT-0			
	Measurement (dBm/100kHz)	Duty Factor (dB)	Calculated (dBm/500kHz)	Limit (dBm/500kHz)
5720	-7.984	0.053	-0.941	≤ 30.00
5745	-7.222	0.053	-0.179	
5785	-7.138	0.053	-0.095	
5825	-6.860	0.053	0.183	

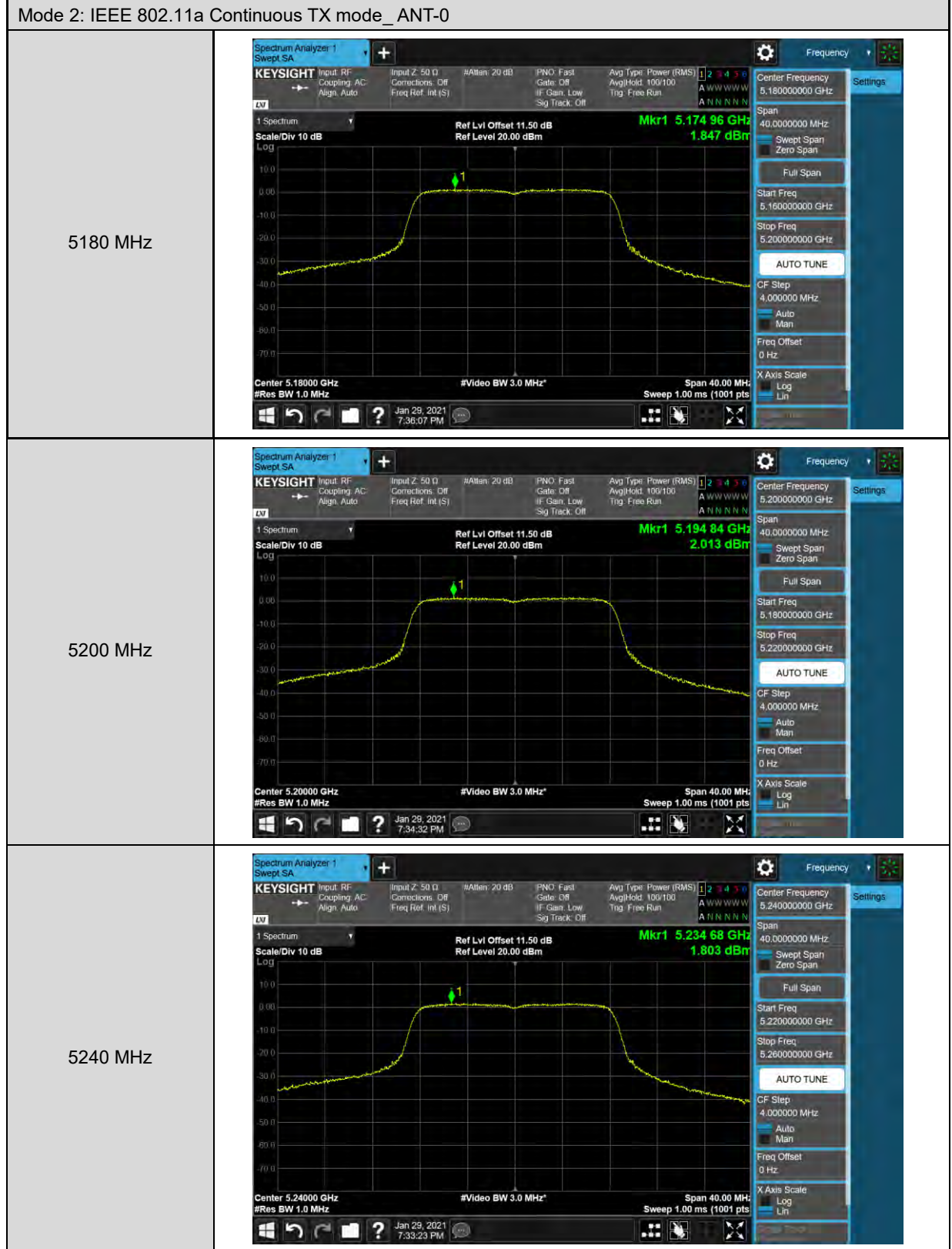
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Test Mode	Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode			
Power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180.0	2.071	0.045	2.116	≤ 11.00
5200.0	1.999	0.045	2.044	
5240.0	2.182	0.045	2.227	
5260.0	1.867	0.045	1.912	
5280.0	1.830	0.045	1.875	
5320.0	1.497	0.045	1.542	
5500.0	1.106	0.045	1.151	
5560.0	1.855	0.045	1.900	
5700.0	1.606	0.045	1.651	
5720.0	1.440	0.045	1.485	

Frequency (MHz)	ANT-0			
	Measurement (dBm/100kHz)	Duty Factor (dB)	Calculated (dBm/500kHz)	Limit (dBm/500kHz)
5720	-8.271	0.045	-1.236	≤ 30.00
5745	-8.016	0.045	-0.981	
5785	-8.055	0.045	-1.020	
5825	-7.781	0.045	-0.746	

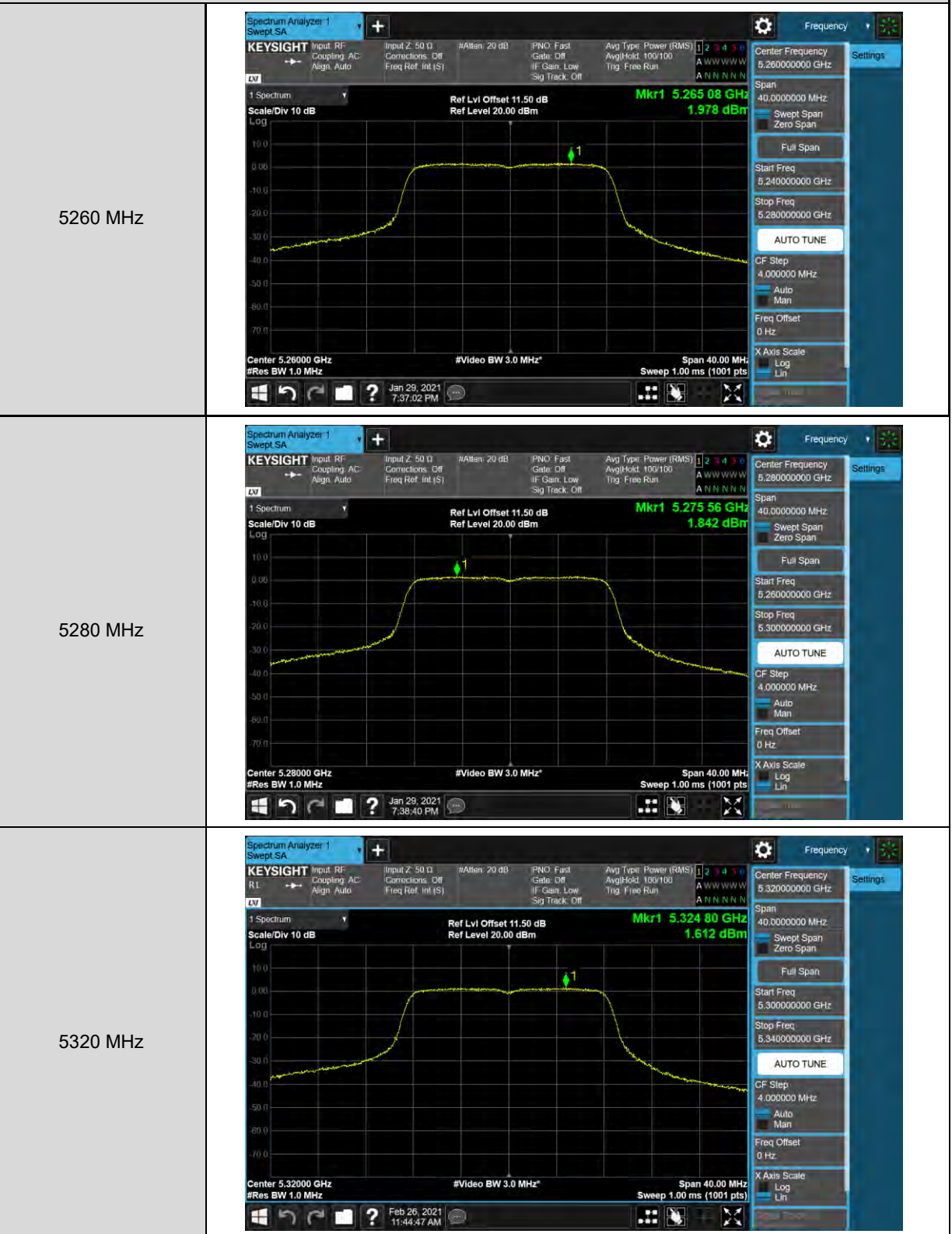
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

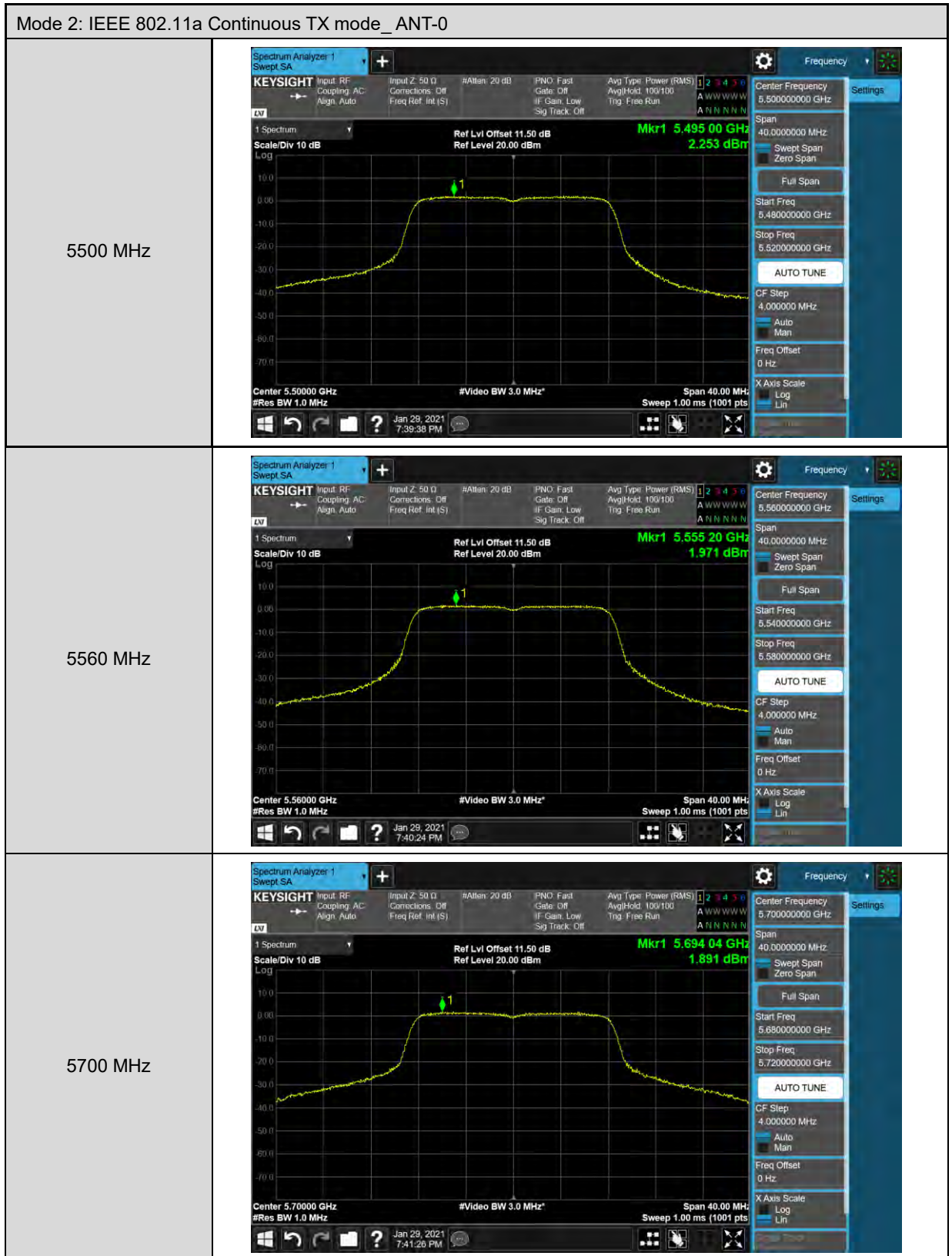
Test Graphs

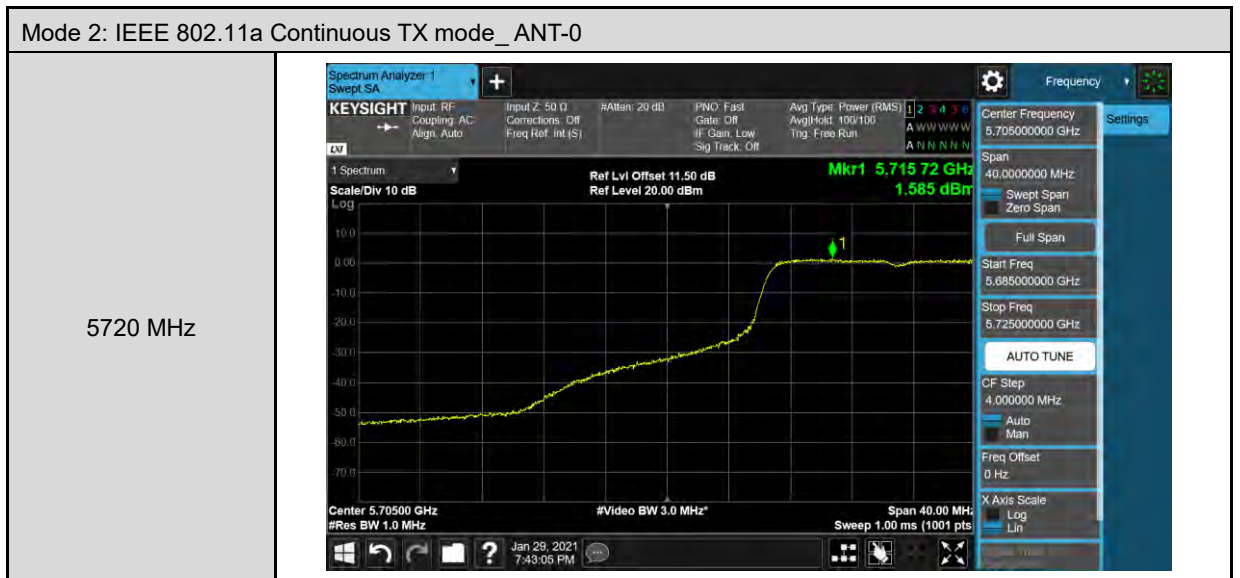


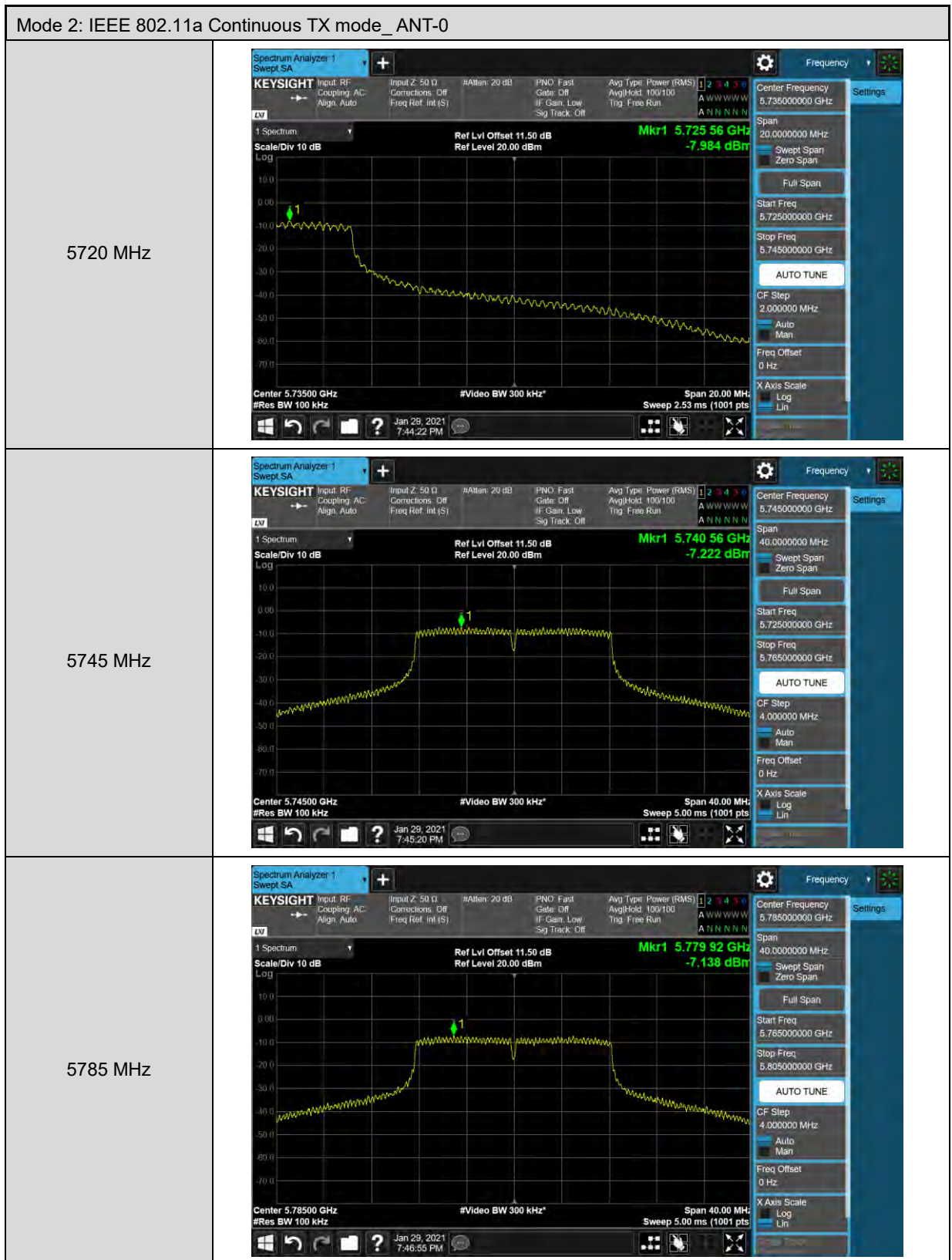


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



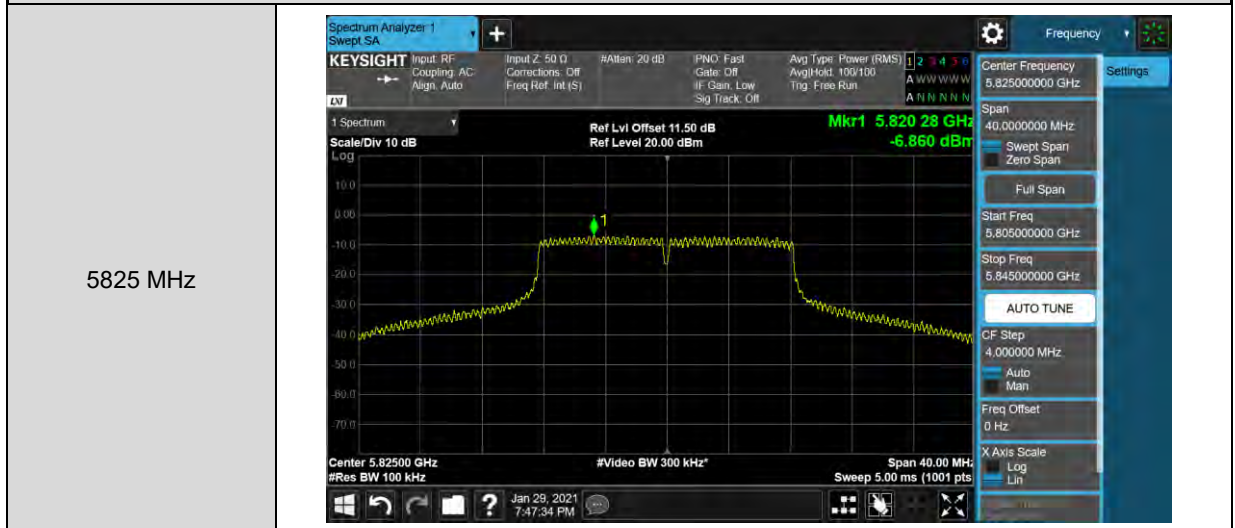






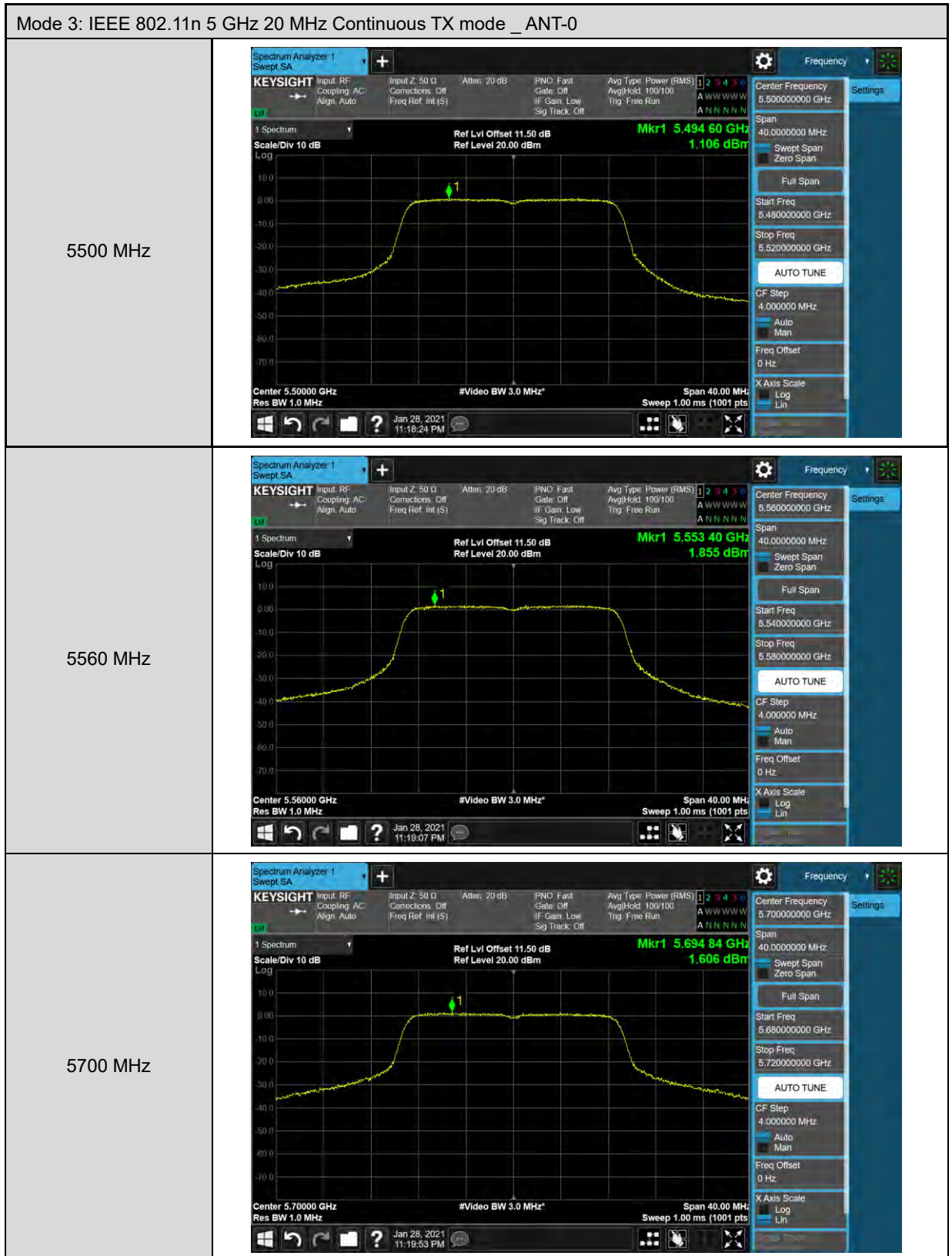


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0





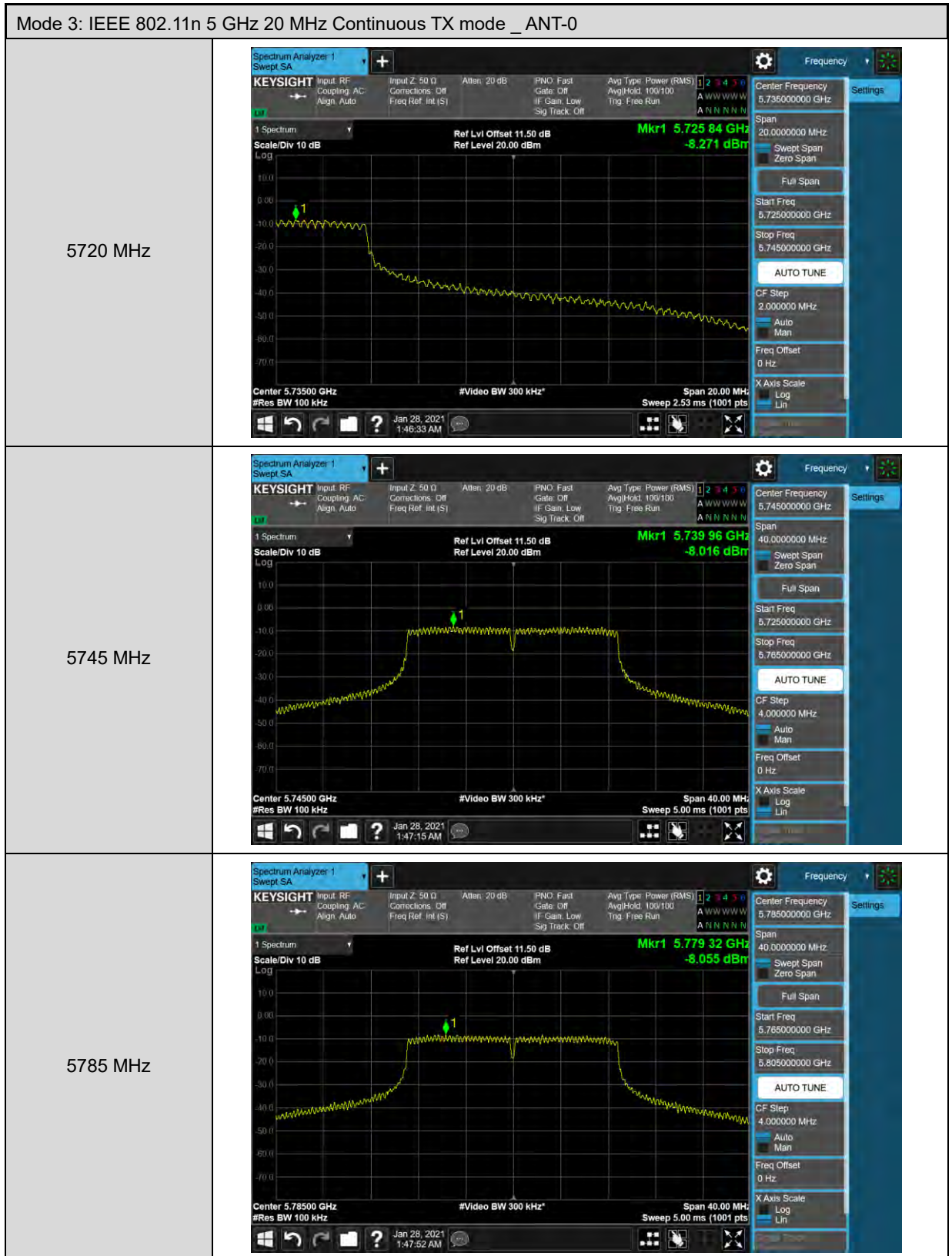






Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode _ ANT-0

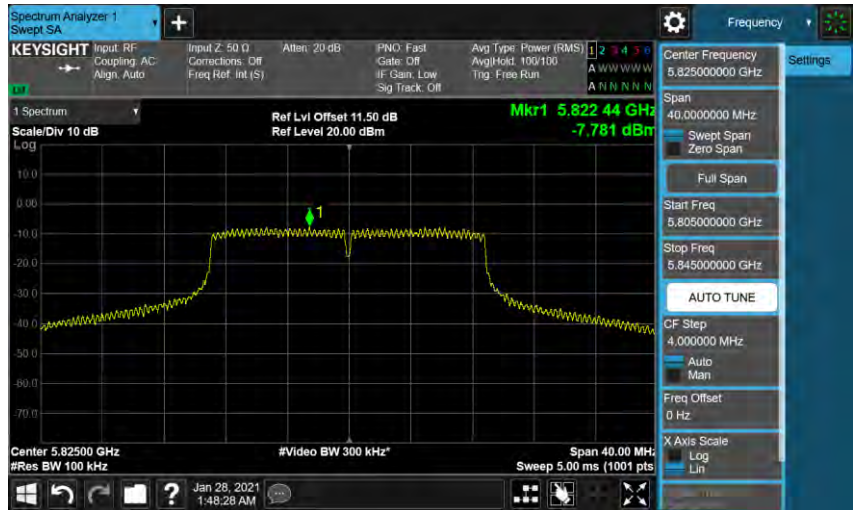






Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX mode _ ANT-0

5825 MHz



---END---