

RF Test Report

Applicant : Wirepath Home Systems, LLC, DBA SnapAV

Product Type : WAVE 2 AC WIRELESS ACCESS POINT

Trade Name : Araknis Networks

Model Number : AN-530-AP-I-AC

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

Received Date : Jun. 11, 2020

Test Period : Jul. 20 ~ Oct. 05, 2020

Issued Date : Oct. 08, 2020

Issued by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
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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.
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- 3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.



Revision History

Rev.	Issued Date	Revisions	Revised By
00	Oct. 08, 2020	Initial Issue	Snow Wang

Verification of Compliance

Applicant : Wirepath Home Systems, LLC, DBA SnapAV
Product Type : WAVE 2 AC WIRELESS ACCESS POINT
Trade Name : Araknis Networks
Model Number : AN-530-AP-I-AC
FCC ID : 2AJACAN530APIAC
EUT Rated Voltage : DC 12V, 2A (DC JACK IN)
DC 48V, 0.53A (PoE IN)
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Test Result : Complied

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

<http://www.atl-lab.com.tw/e-index.htm>

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

Approved By : Fly Lu
(Manager) (Fly Lu)

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1 General Information

1.1. Summary of Test Result

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

Decision Rule

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

Standard	Description
CFR47, Part 15, Subpart C §15.247	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 v05	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power		0.92 dB
RF Bandwidth		4.79 %
Power Spectral Density		0.92 dB
Frequency Stability		4.1×10^{-8}
Duty Cycle		1.06 %
Time Occupancy		1.40 %



2 EUT Description

Applicant	Wirepath Home Systems, LLC, DBA SnapAV 1800 Continental Blvd Suite 200 Charlotte, North Carolina 28273 USA				
Manufacturer	Emplus Technologies Inc. No. 42, Sec. 1, Minsheng N. Rd., Guishan Dist., Taoyuan City 333, Taiwan				
Product Type	WAVE 2 AC WIRELESS ACCESS POINT				
Trade Name	Araknis Networks				
Model Number	AN-530-AP-I-AC				
FCC ID	2AJACAN530APIAC				
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels	
	IEEE 802.11a	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I	5180 – 5240	4	
		U-NII Band III	5745 – 5825	5	
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band I	5190 – 5230	2	
		U-NII Band III	5755 – 5795	2	
	IEEE 802.11ac 80 MHz	U-NII Band I	5210	1	
U-NII Band III		5775	1		
Modulation Type	OFDM				
Antenna information	Antenna	Model	Type	Max. Gain (dBi)	
	ANT-0	5718A0541300	PIFA Antenna	5150-5250 MHz	4.75
				5725-5850 MHz	4.77
	ANT-1	5718A0542300	PIFA Antenna	5150-5250 MHz	4.26
				5725-5850 MHz	4.6
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ 50 ℃				



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.371
	U-NII Band III	0.352
IEEE 802.11ac 20 MHz	U-NII Band I	0.371
	U-NII Band III	0.344
IEEE 802.11ac 40 MHz	U-NII Band I	0.287
	U-NII Band III	0.306
IEEE 802.11ac 80 MHz	U-NII Band I	0.056
	U-NII Band III	0.308

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.169
	U-NII Band III	0.170
IEEE 802.11ac 40 MHz	U-NII Band I	0.130
	U-NII Band III	0.145
IEEE 802.11ac 80 MHz	U-NII Band I	0.028
	U-NII Band III	0.146

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

3 Test Methodology

3.1. Mode of Operation

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit mode
Mode 2: IEEE 802.11a Continuous TX mode
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

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

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

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	2TX (CDD)	6	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 3	2TX (CDD/Beamforming on)	14.4	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 4	2TX (CDD/Beamforming on)	30	U-NII Band I	38, 46
			U-NII Band III	151,159
Mode 5	2TX (CDD/Beamforming on)	58.6	U-NII Band I	42
			U-NII Band III	155

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	2.050	2.090	0.981	0.084	0.010
Mode 3	5180.0	5.010	5.040	0.994	0.026	0.010
Mode 4	5190.0	2.440	2.480	0.984	0.071	0.010
Mode 5	5210.0	1.145	1.195	0.958	0.186	0.873

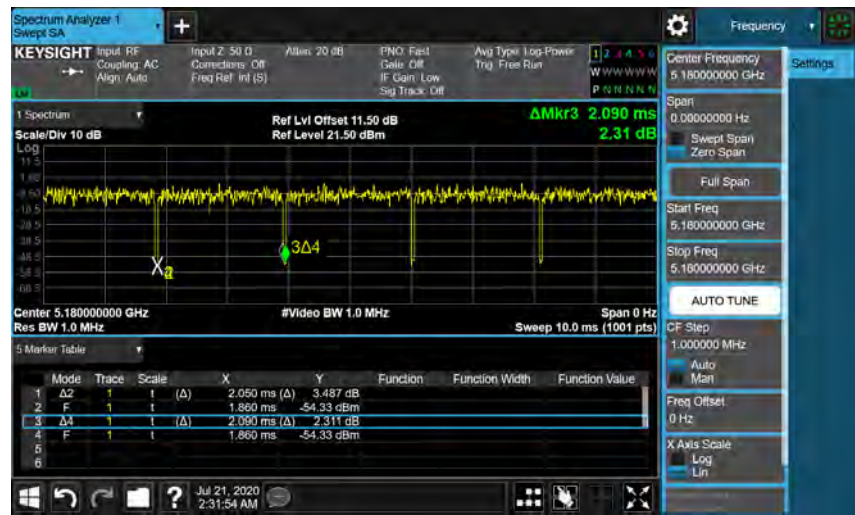
Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 3	5180.0	5.010	5.040	0.994	0.026	0.010
Mode 4	5190.0	2.440	2.480	0.984	0.071	0.010
Mode 5	5210.0	1.145	1.195	0.958	0.186	0.873

Duty Cycle Graphs

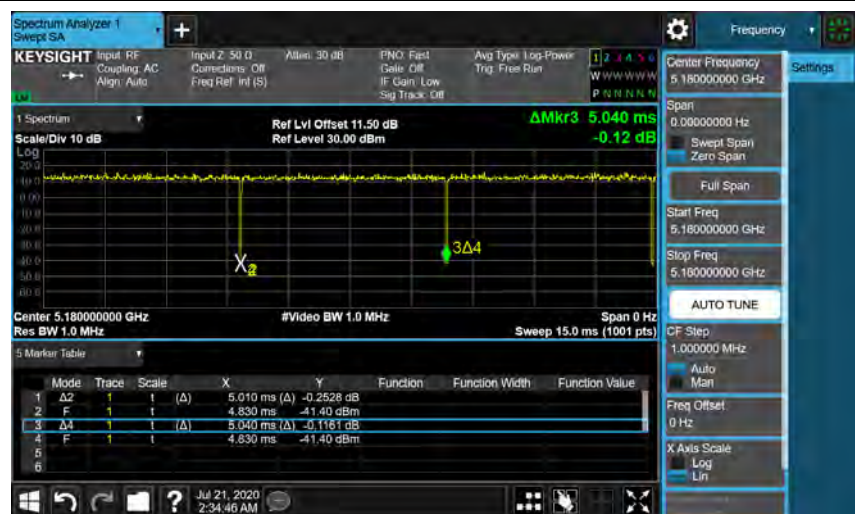
Mode 2: IEEE 802.11a Continuous TX mode

On+off time



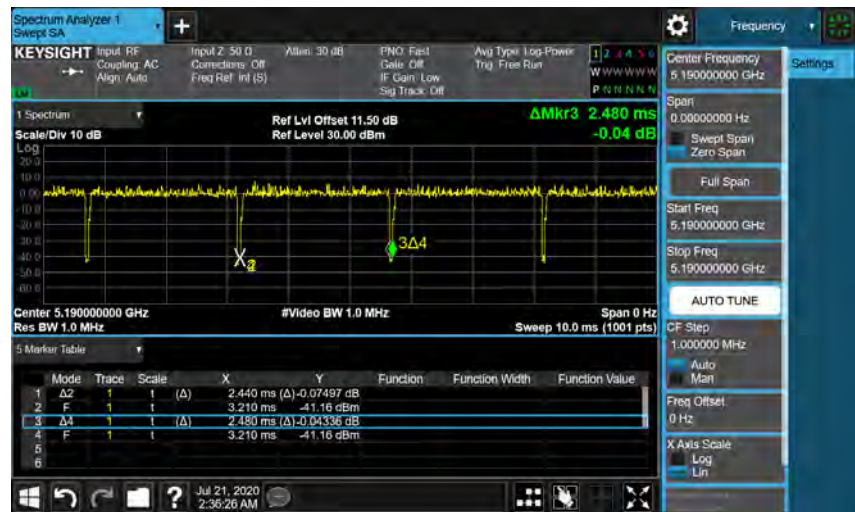
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

On+off time



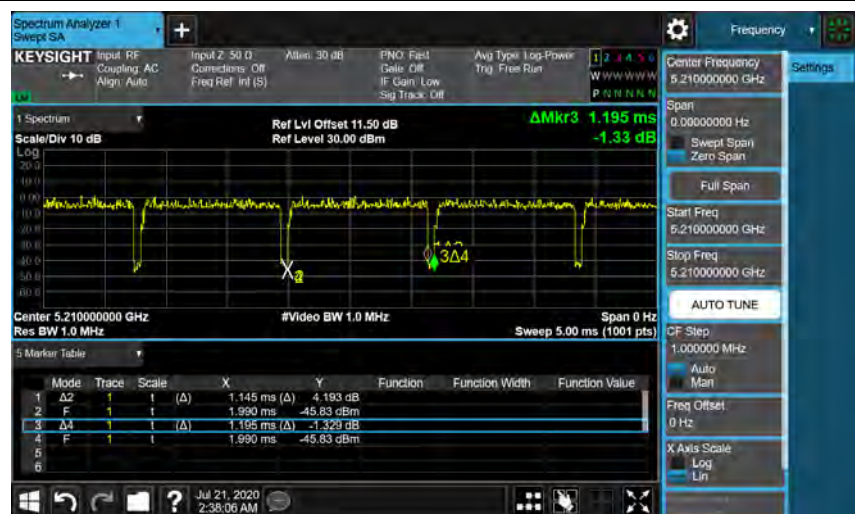
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode

On+off time



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

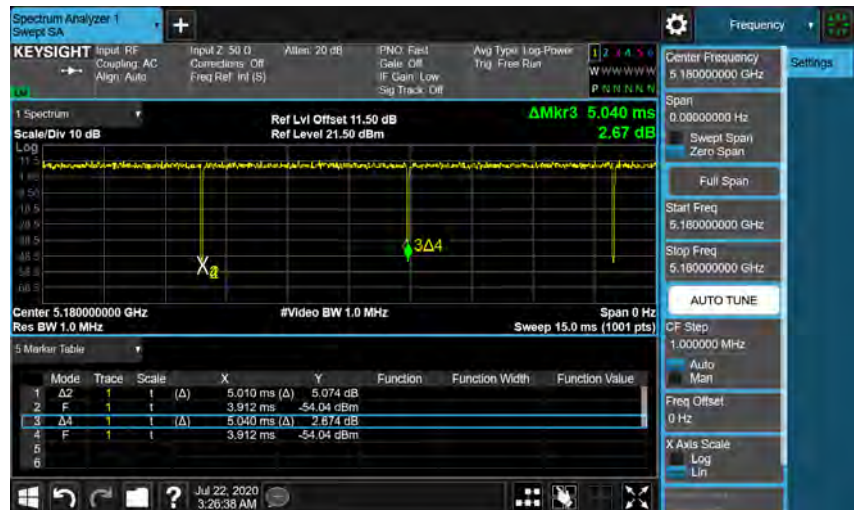
On+off time



Beamforming on

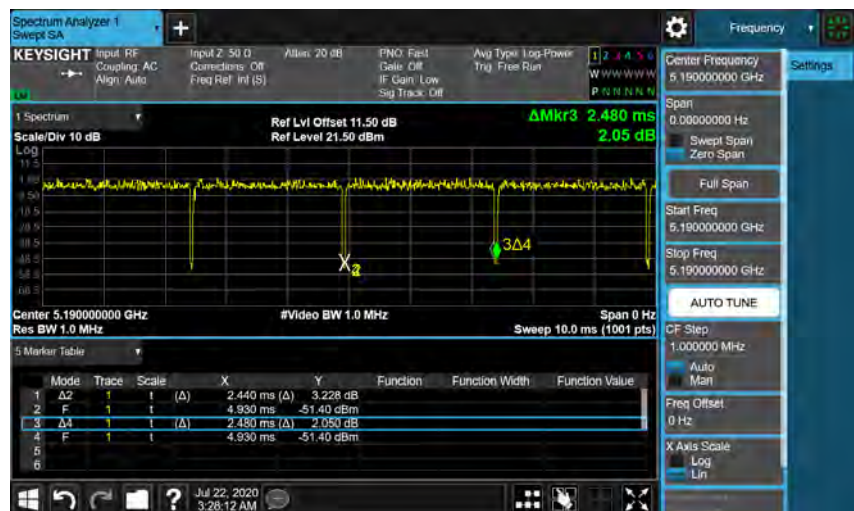
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

On+off time



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode

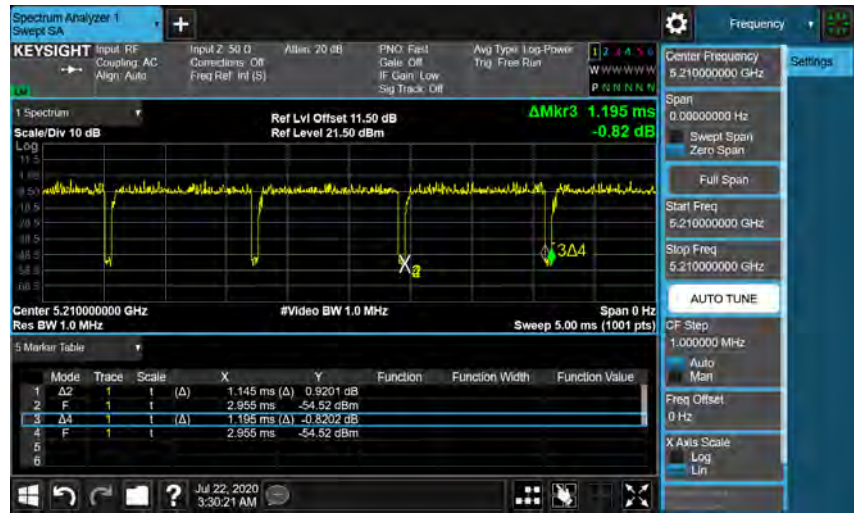
On+off time





Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode

On+off time





3.2. EUT Test Step

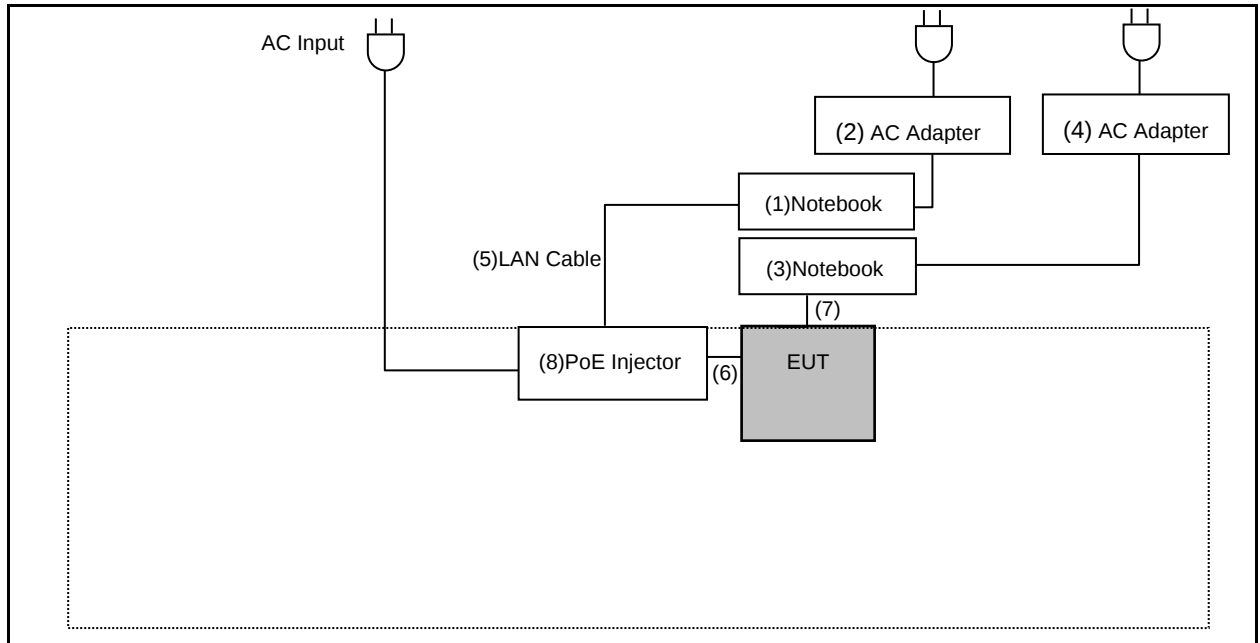
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

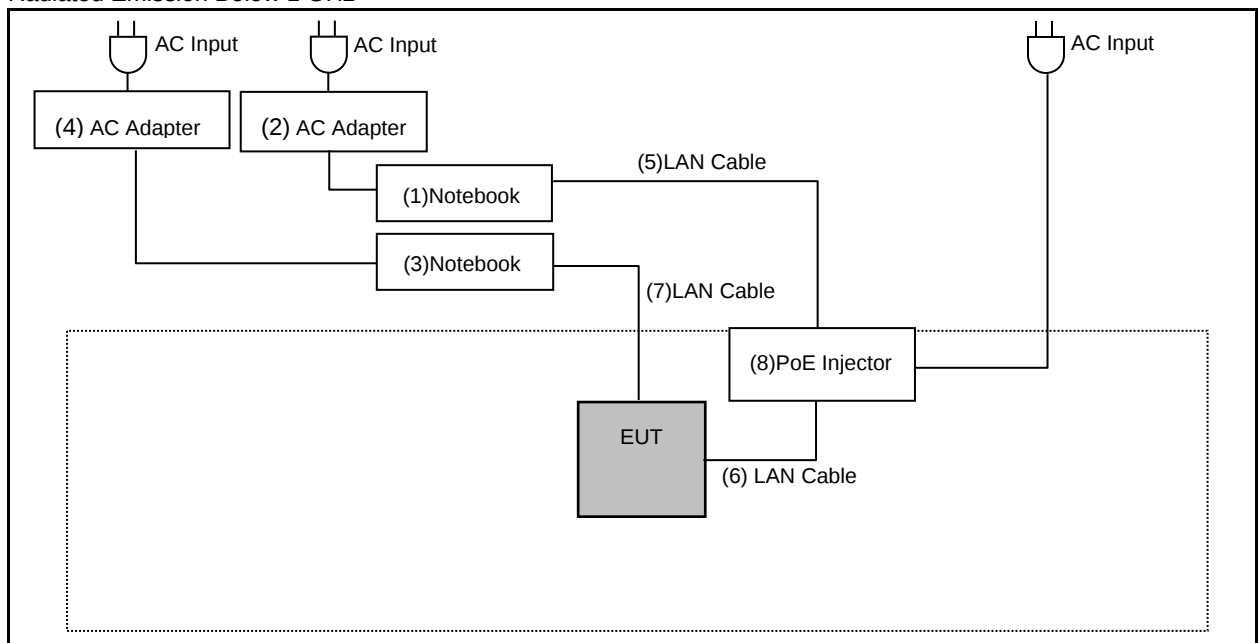
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

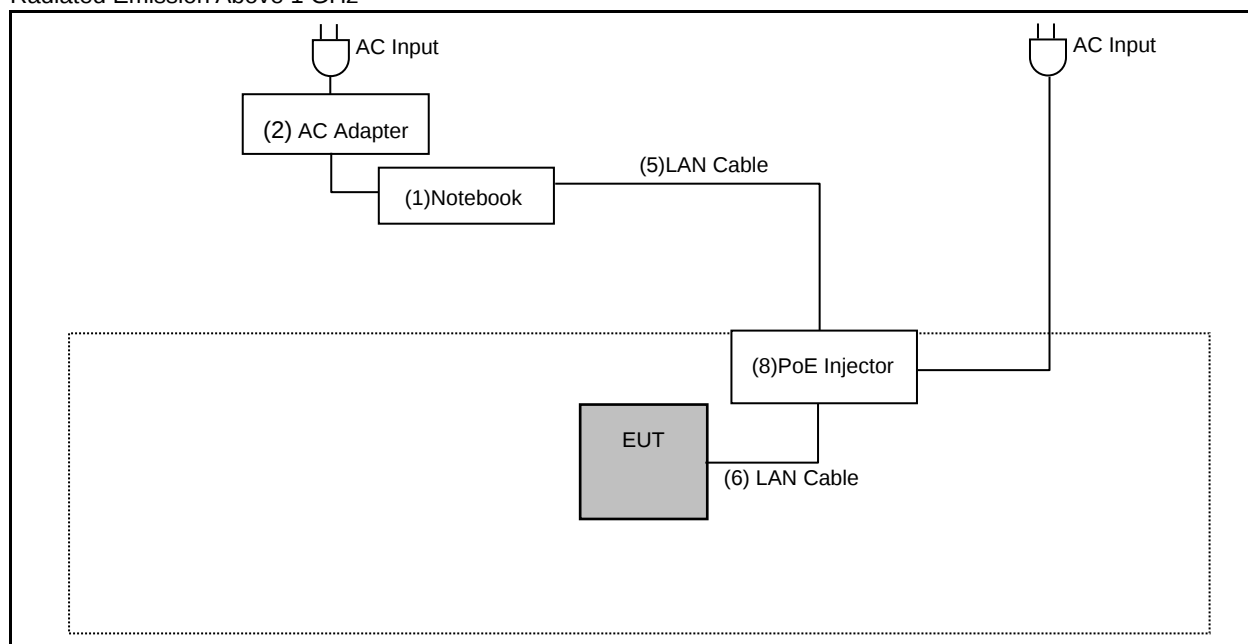
Conducted Emission



Radiated Emission Below 1 GHz



Radiated Emission Above 1 GHz



Devices Description					
Product	Manufacturer	Model Number	Serial Number	Remark	
(1) Notebook	ASUS	BU400A	D1NXAS148534020	---	
(2) AC Adapter	ASUS	EXA1203YH	---	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : 19 VDC, 3.42 A Non-Shielded, 0.8 m	
(3) Notebook	ASUS	P2430U	GANXCV04H86940A	---	
(4) AC Adapter	ASUS	ADP-65GD D	---	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : 19 VDC, 3.42 A Non-Shielded, 0.8 m	
(5) LAN Cable	HUAWEI	UL2464	---	---	
(6) LAN Cable	HUAWEI	UL2464	---	---	
(7) LAN Cable	HUAWEI	UL2464	---	---	
(8) POE Injector	emplus	EPA5006GAT	---	INPUT : 100-240 VAC, 50-60 Hz, 0.8 A OUTPUT : 54 VDC, 0.6 A	
(9) AC Adapter	SPC	ZZU1588-2001 20-2A	---	INPUT : 100-240 VAC, 50-60 Hz, 1.5 A OUTPUT : 12 VDC, 2 A	

Note: The device used (9)AC Adapter and (8)PoE Injector to evaluation, (8)POE Adapter is worst case to perform testing.



3.4. Test Instruments

For Conducted Emission

Test Period: Jul. 28, 2020

Testing Engineer: Louis Shen

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

For Radiated Emissions

Test Period: Aug. 25 ~ Sep. 25, 2020

Testing Engineer: JS Liao, Marc Yeh, Ricky Liu

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 (1~26.5 GHz)	Agilent	8449B	3008A02237	10/18/2019	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/15/2020	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/22/2020	1 year
Broadband Antenna	Schwarzbeck	VULB9168	01146	07/03/2020	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	02207	06/30/2020	1 year
Horn Antenna (18~40 GHz)	ETS	3116	00086467	12/13/2019	1 year
Coaxial Cable	Titan	T0710AT327A10A 100	J11005	08/13/2020	1 year
Coaxial Cable	Titan	T0710AT327A10A 900	J11004	08/13/2020	1 year
Coaxial Cable	Titan	T0712AT340A12A 900	J11002	08/13/2020	1 year

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



For Conducted

Test Period: Jul. 20 ~ Jul. 23, 2020 / Oct. 05, 2020

Testing Engineer: Paul Chiu, Peter Shui

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~26.5 GHz)	KEYSIGHT	N9010B	MY5907141	03/16/2020	1 year
Power Sensor	Agilent	N1921A	MY45241957	12/11/2019	1 year
Power Meter	Agilent	N1911A	MY45101619	12/11/2019	1 year

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

3.5. Test Site Environment

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

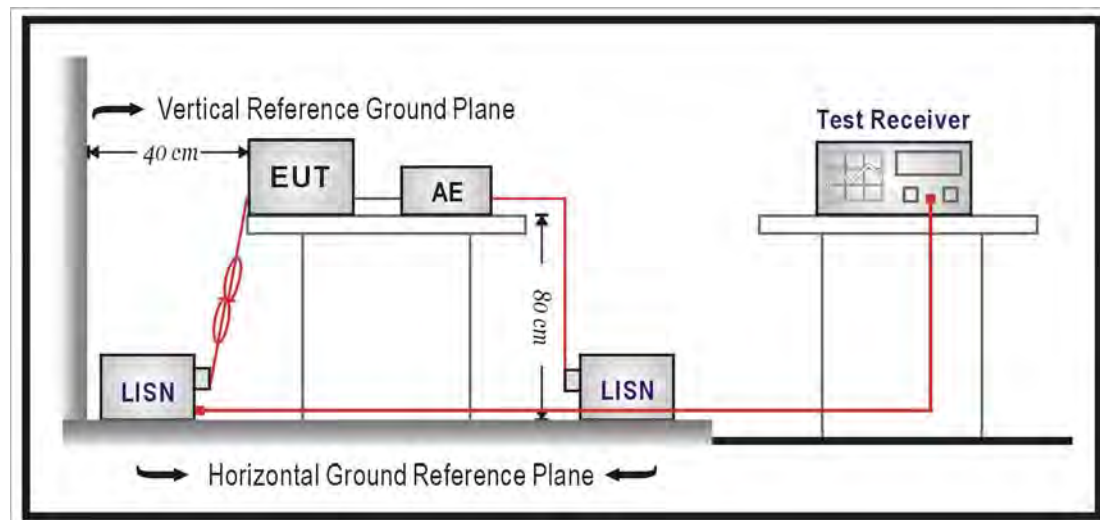
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

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

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

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

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

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

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

(2)Limits of Radiated Emission Measurement

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

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

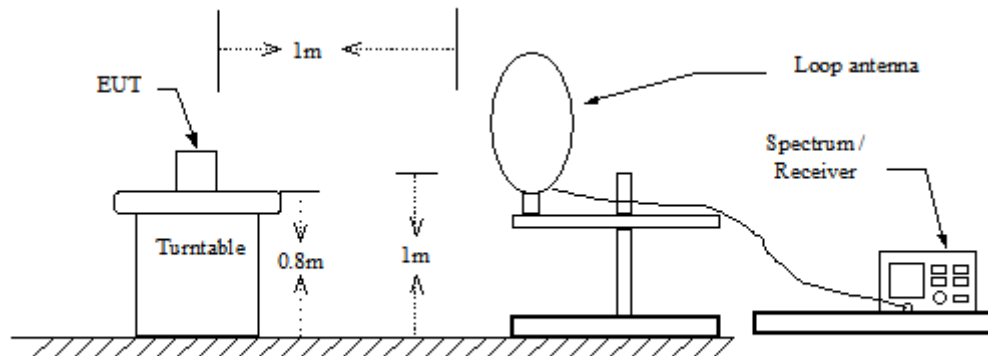
Note: 1. The lower limit shall apply at the transition frequencies.

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

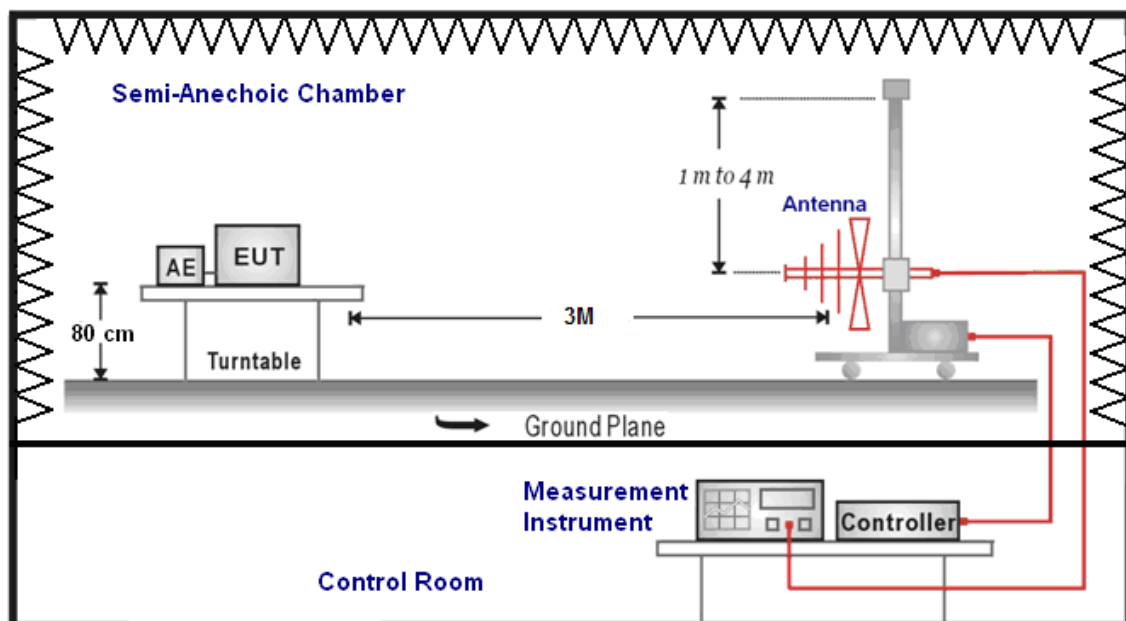
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

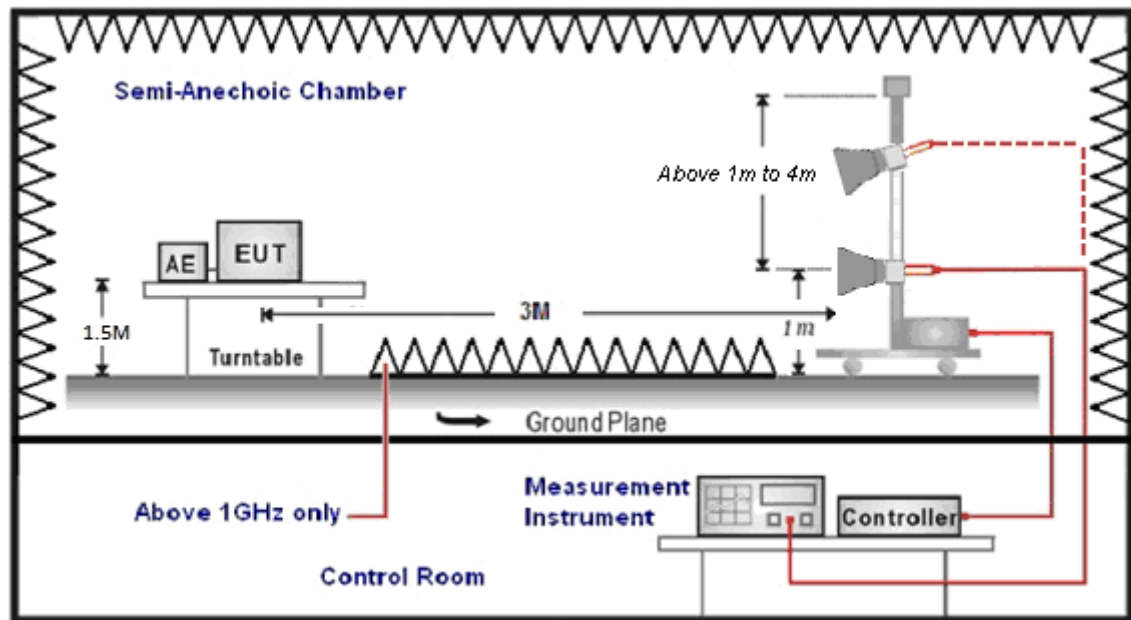
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



■ Test Procedure

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

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

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

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

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

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

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

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

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

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

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

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

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

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

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

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

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

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

Measuring Instruments and setting

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

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

4.3. Maximum Conducted Output Power Measurement

■ Limit

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

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

CDD mode:

5.150 ~ 5.250 GHz

Directional = $G_{ANT}=10*\log\{[10^{(G1/10)}+10^{(G2/10)}+...+10^{(Gn/10)}]/NANT\}$ = 4.51 dBi < 6dBi

5.725 ~ 5.850 GHz

Directional = $G_{ANT}=10*\log\{[10^{(G1/10)}+10^{(G2/10)}+...+10^{(Gn/10)}]/NANT\}$ = 4.69 dBi < 6dBi

BF mode:

5.150 ~ 5.250 GHz

Directional Gain = $10*\log\{[10^{(G1/20)}+10^{(G2/20)}+...+10^{(Gn/20)}]^2/NANT\}$ = 7.52 dBi > 6dBi

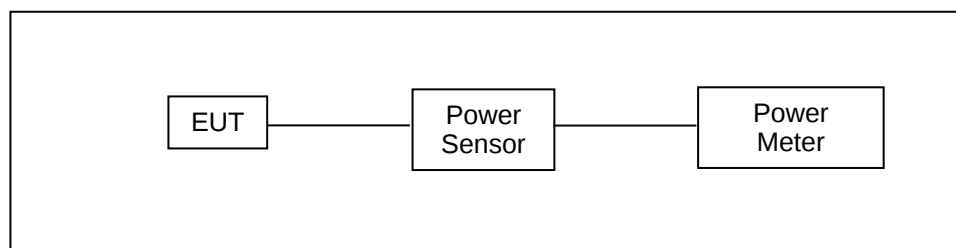
* power limit shall be reduced = 30 – 1.52 = 28.48 dBm

5.725 ~ 5.850 GHz

Directional Gain = $10*\log\{[10^{(G1/20)}+10^{(G2/20)}+...+10^{(Gn/20)}]^2/NANT\}$ = 7.7 dBi > 6dBi

* power limit shall be reduced = 30 – 1.7 = 28.3 dBm

■ Test Setup



■ Test Procedure

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

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

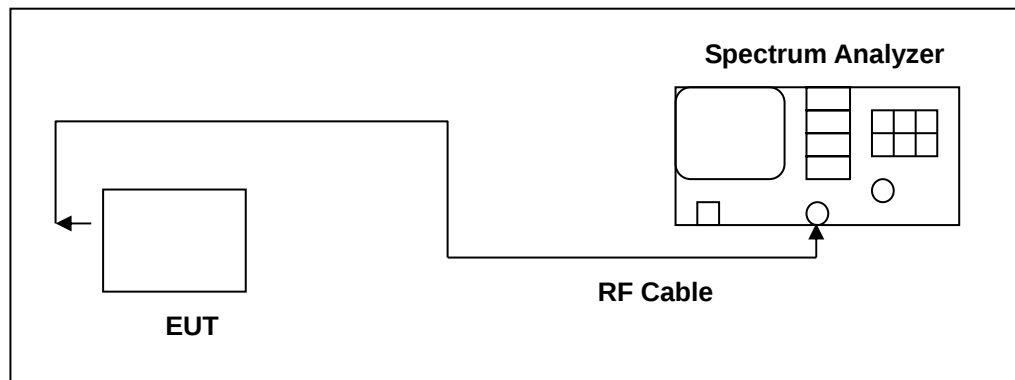
b) Method PM-G (Measurement using a gated RF average power meter)

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

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

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

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

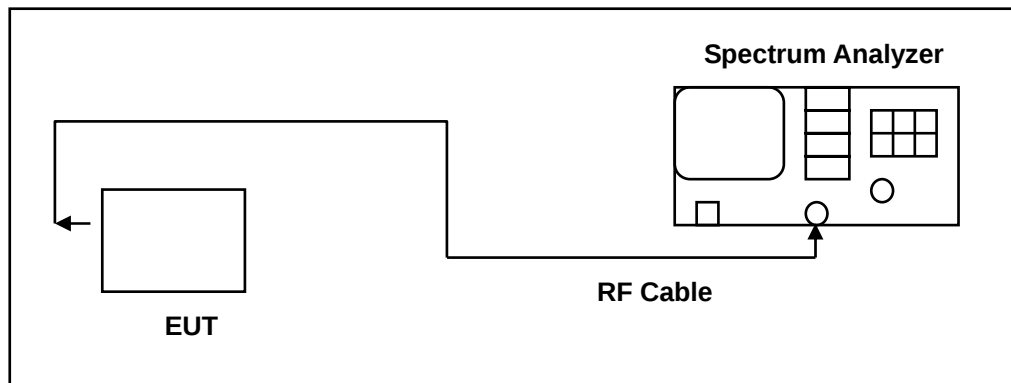
4.5. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth

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

■ Test Setup



■ Test Procedure

6 dB RF Bandwidth

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

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

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

■ Limit

Frequency Range (MHz)	FCC Limit
	Master
5.150 ~ 5.250 GHz	17 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz

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

CDD/BF mode:

5.150 ~ 5.250 GHz

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 7.52 \text{ dBi} > 6 \text{ dBi}$

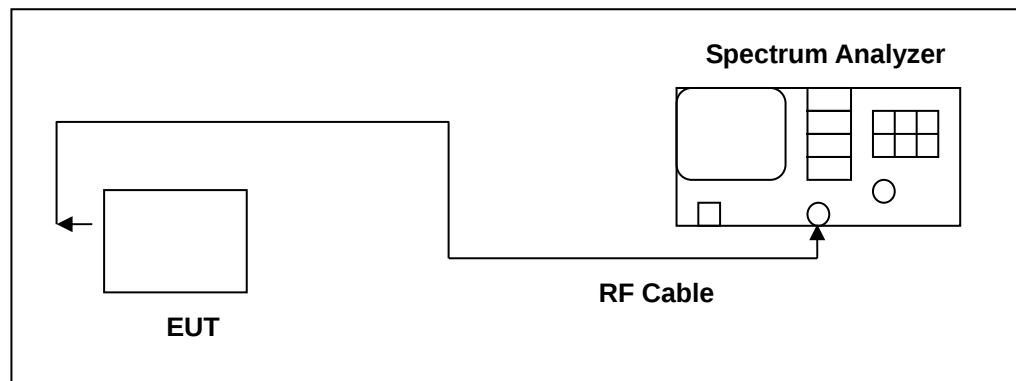
* power spectral density limit shall be reduced = $17 - 1.52 = 15.48 \text{ dBm/MHz}$

5.725 ~ 5.850 GHz

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 7.7 \text{ dBi} > 6 \text{ dBi}$

* power spectral density limit shall be reduced = $30 - 1.7 = 28.3 \text{ dBm/500 kHz}$

■ Test Setup





■ **Test Procedure**

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

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

4.7. Automatically discontinue transmission

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

■ Declare

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

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

4.8. Antenna Requirement

■ Limit

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

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

■ Antenna Connector Construction

See section 2 – antenna information.

■ **Directional Gain Calculated**

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	4.51
	U-NII Band III	4.69
IEEE 802.11ac 20 MHz	U-NII Band I	4.51
	U-NII Band III	4.69
IEEE 802.11ac 40 MHz	U-NII Band I	4.51
	U-NII Band III	4.69
IEEE 802.11ac 80 MHz	U-NII Band I	4.51
	U-NII Band III	4.69

For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 20 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 40 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 80 MHz	U-NII Band I	7.52
	U-NII Band III	7.7



Beamforming on

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 20 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 40 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 80 MHz	U-NII Band I	7.52
	U-NII Band III	7.7

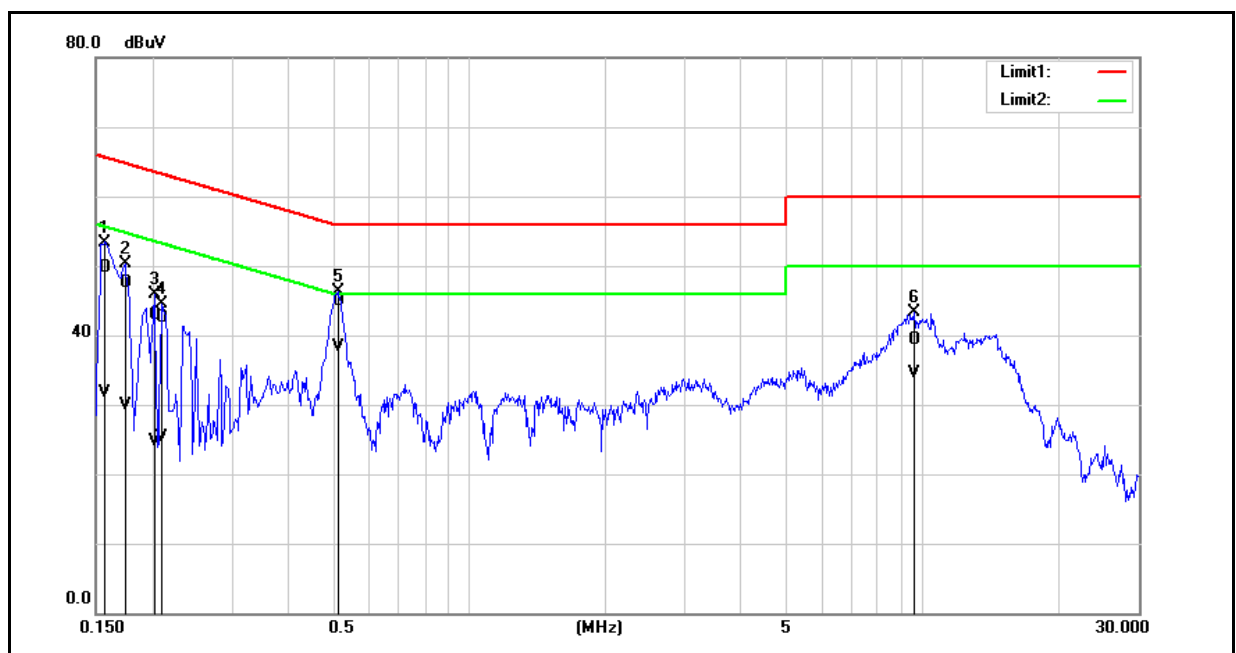
For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 20 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 40 MHz	U-NII Band I	7.52
	U-NII Band III	7.7
IEEE 802.11ac 80 MHz	U-NII Band I	7.52
	U-NII Band III	7.7

5 Test Results

Annex A. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1		
Description:			

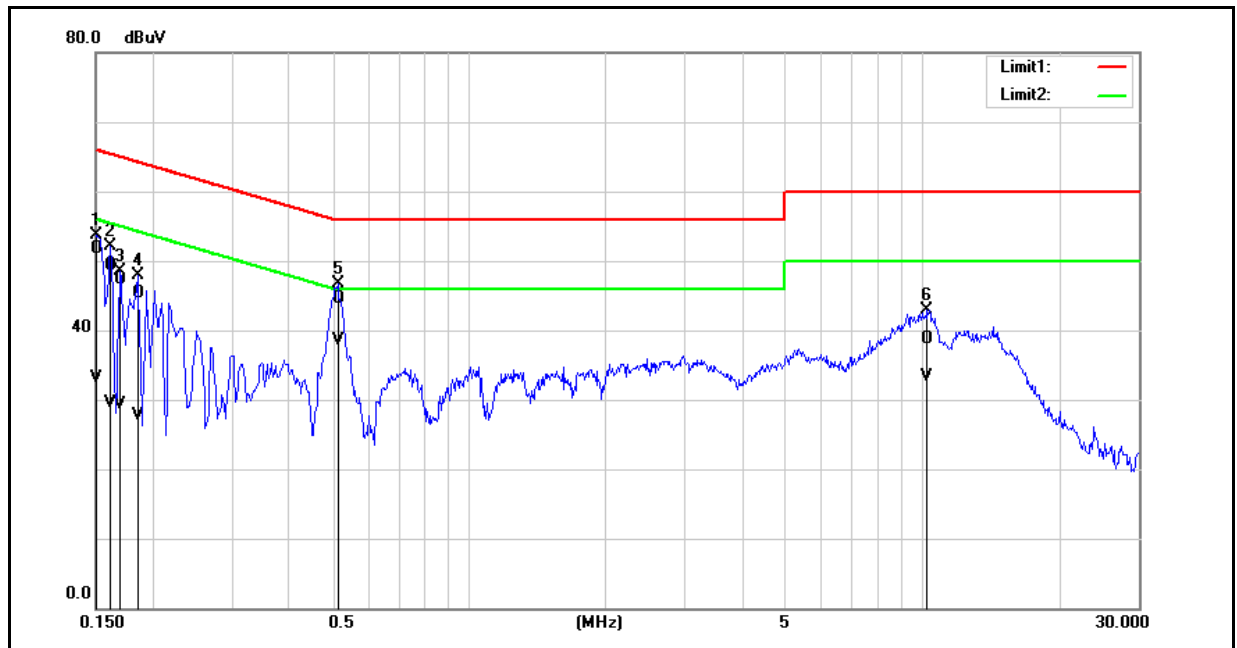


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	40.08	21.91	9.70	49.78	31.61	65.57	55.57	-15.79	-23.96	Pass
2	0.1740	37.78	20.18	9.70	47.48	29.88	64.77	54.77	-17.29	-24.89	Pass
3	0.2020	33.18	15.06	9.70	42.88	24.76	63.53	53.53	-20.65	-28.77	Pass
4	0.2100	32.87	15.64	9.70	42.57	25.34	63.21	53.21	-20.64	-27.87	Pass
5	0.5140	35.11	28.64	9.71	44.82	38.35	56.00	46.00	-11.18	-7.65	Pass
6	9.5540	29.39	24.63	9.88	39.27	34.51	60.00	50.00	-20.73	-15.49	Pass

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

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

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1		
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	42.05	23.49	9.69	51.74	33.18	66.00	56.00	-14.26	-22.82	Pass
2	0.1620	39.60	19.77	9.69	49.29	29.46	65.36	55.36	-16.07	-25.90	Pass
3	0.1700	37.62	19.64	9.69	47.31	29.33	64.96	54.96	-17.65	-25.63	Pass
4	0.1860	35.66	17.94	9.69	45.35	27.63	64.21	54.21	-18.86	-26.58	Pass
5	0.5140	34.82	28.81	9.70	44.52	38.51	56.00	46.00	-11.48	-7.49	Pass
6	10.2860	28.78	23.45	9.88	38.66	33.33	60.00	50.00	-21.34	-16.67	Pass

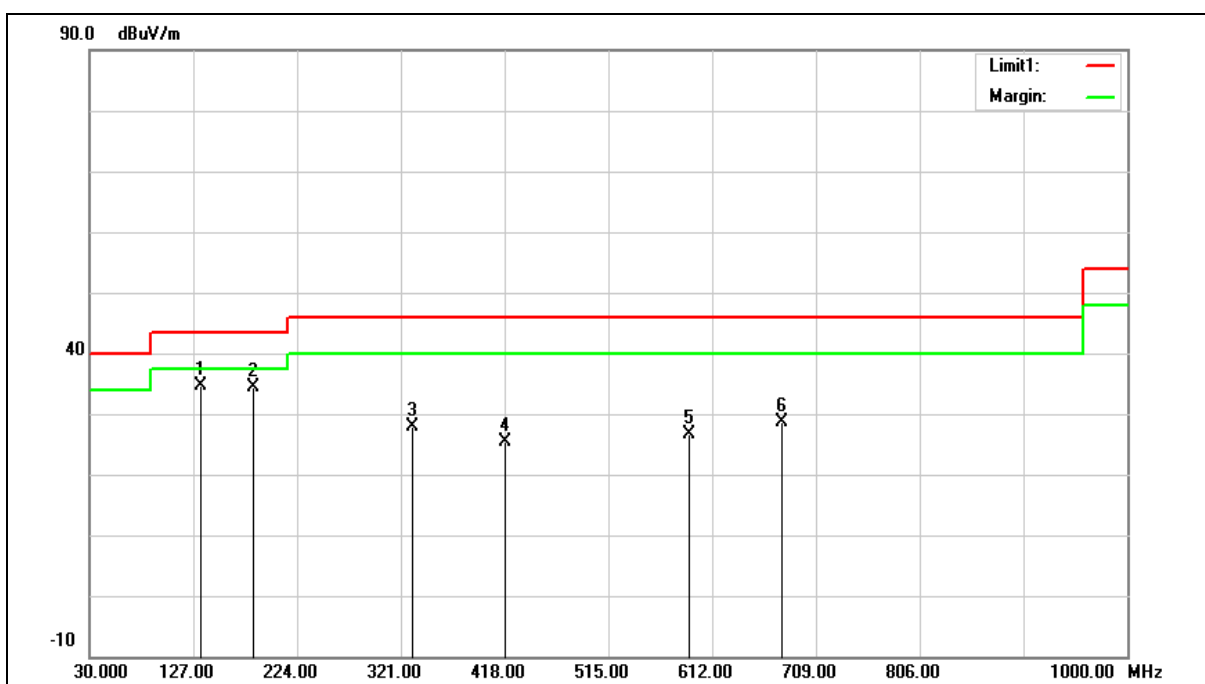
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

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:	3m
Test item:	Radiated Emission		
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	133.7900	43.13	-8.58	34.55	43.50	-8.95	QP
2	183.2600	43.81	-9.43	34.38	43.50	-9.12	QP
3	331.6700	33.78	-6.00	27.78	46.00	-18.22	QP
4	418.9700	29.94	-4.49	25.45	46.00	-20.55	QP
5	590.6600	28.25	-1.55	26.70	46.00	-19.30	QP
6	676.9900	28.98	-0.40	28.58	46.00	-17.42	QP

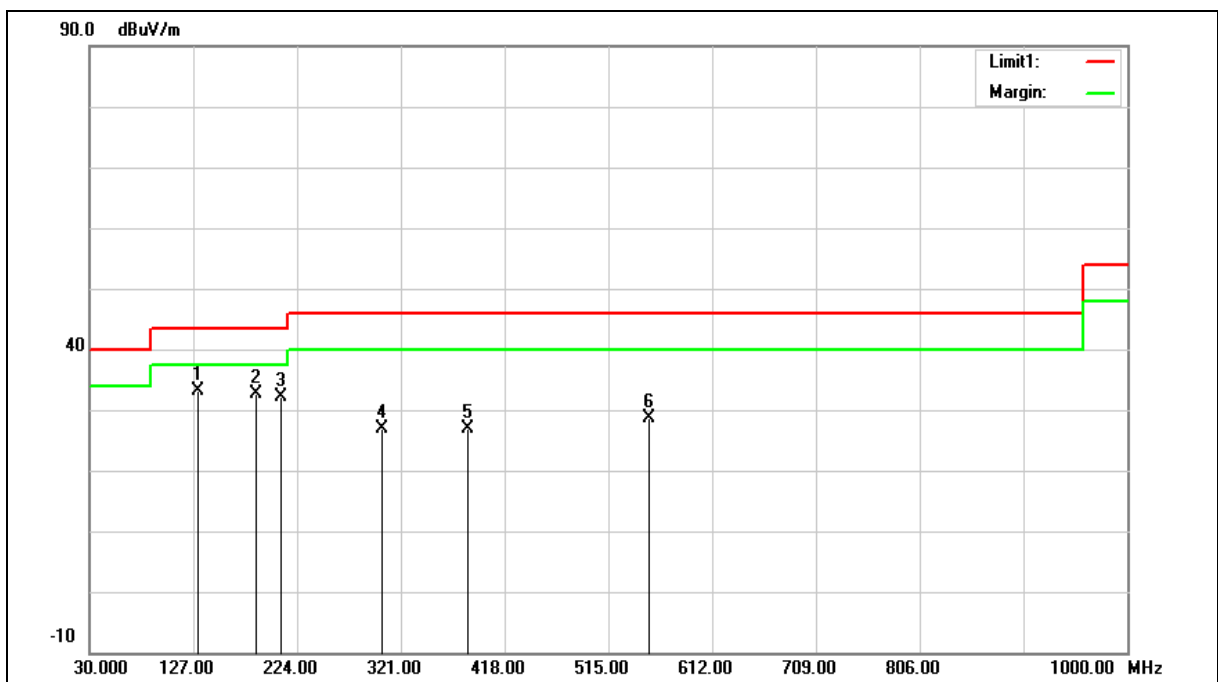
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 34.55= -8.58+43.13.

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission		
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	131.8500	41.95	-8.75	33.20	43.50	-10.30	QP
2	186.1700	42.35	-9.74	32.61	43.50	-10.89	QP
3	208.4800	42.11	-9.90	32.21	43.50	-11.29	QP
4	303.5400	33.31	-6.52	26.79	46.00	-19.21	QP
5	384.0500	31.99	-5.09	26.90	46.00	-19.10	QP
6	552.8300	31.11	-2.45	28.66	46.00	-17.34	QP

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

Example: 33.20= -8.75+41.95.

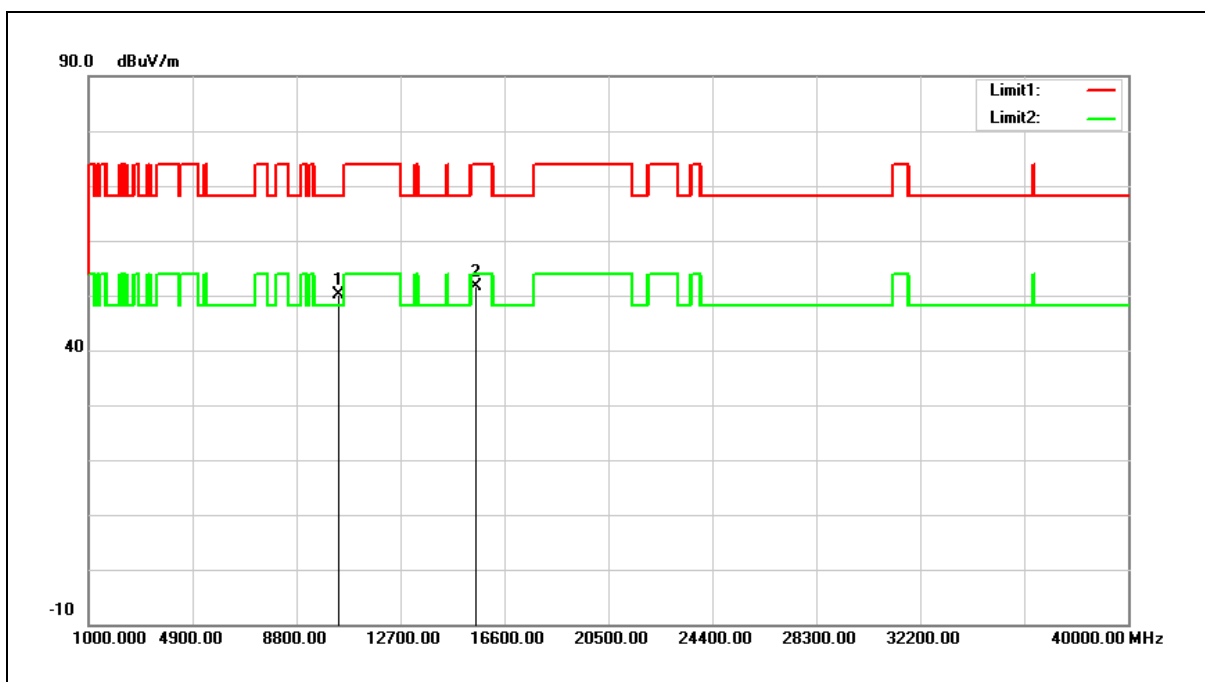
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	36.91	13.27	50.18	68.20	-18.02	peak
2	15540.000	35.94	15.81	51.75	74.00	-22.25	peak

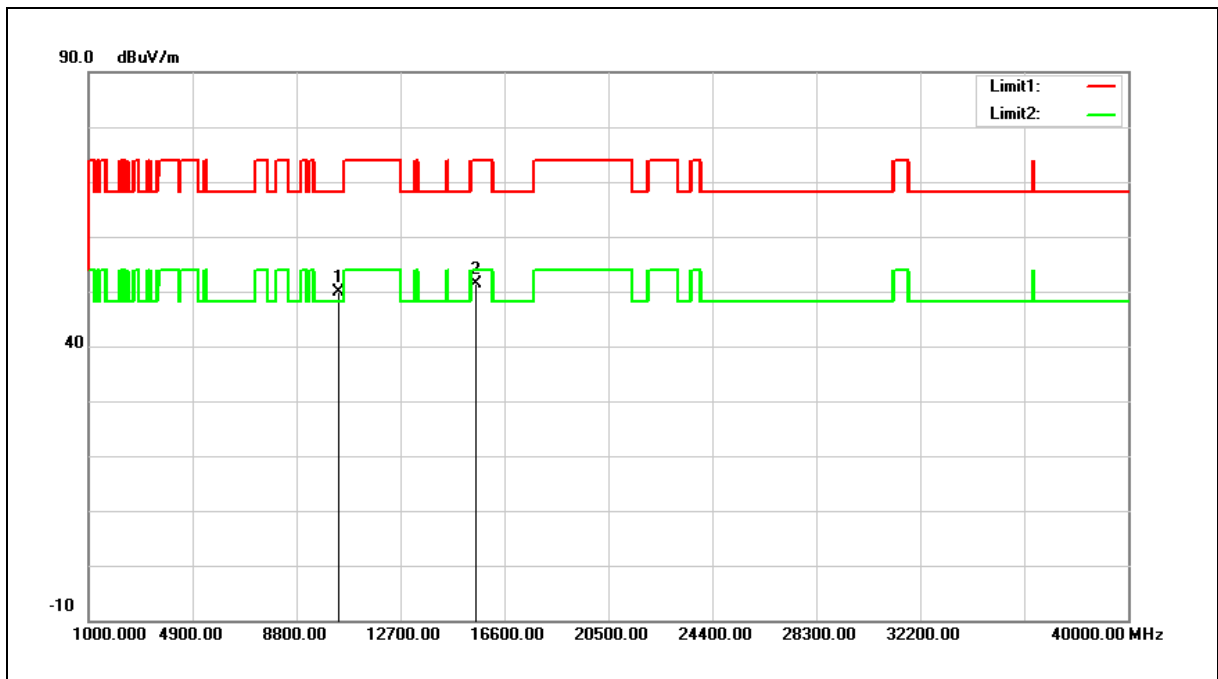
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.18= 13.27+36.91

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
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	36.73	13.27	50.00	68.20	-18.20	peak
2	15540.000	35.56	15.81	51.37	74.00	-22.63	peak

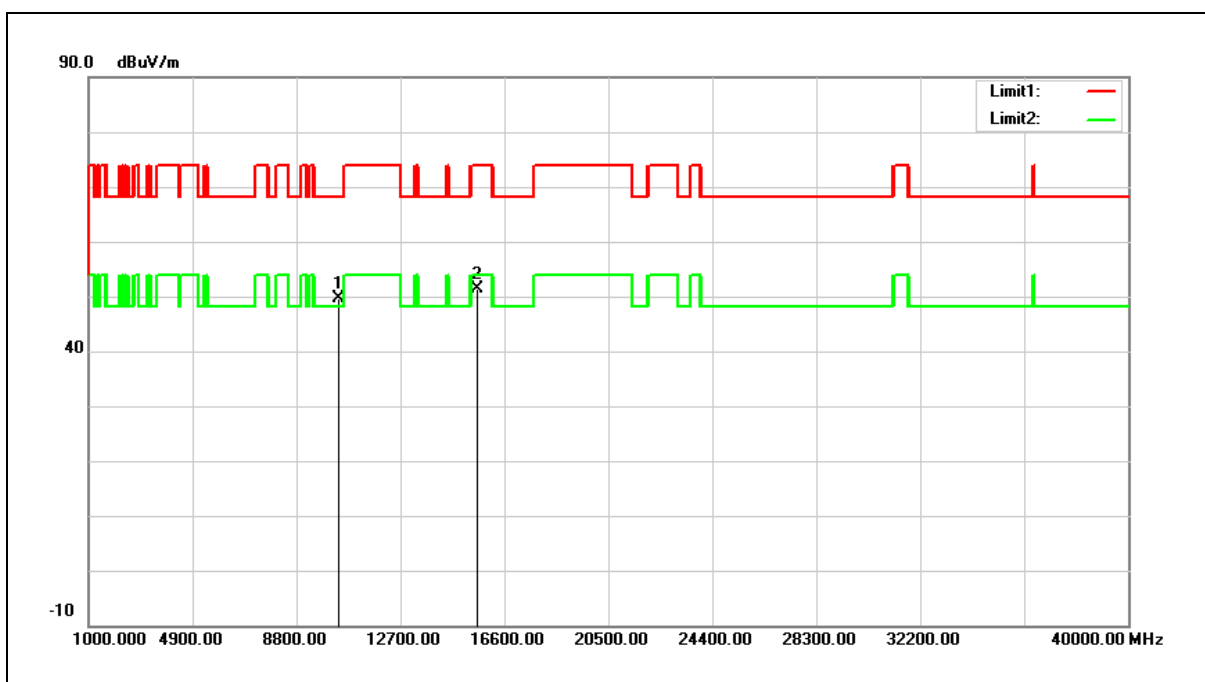
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.00= 13.27+36.73

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5200MHz		
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	36.18	13.41	49.59	68.20	-18.61	peak
2	15600.000	35.77	15.63	51.40	74.00	-22.60	peak

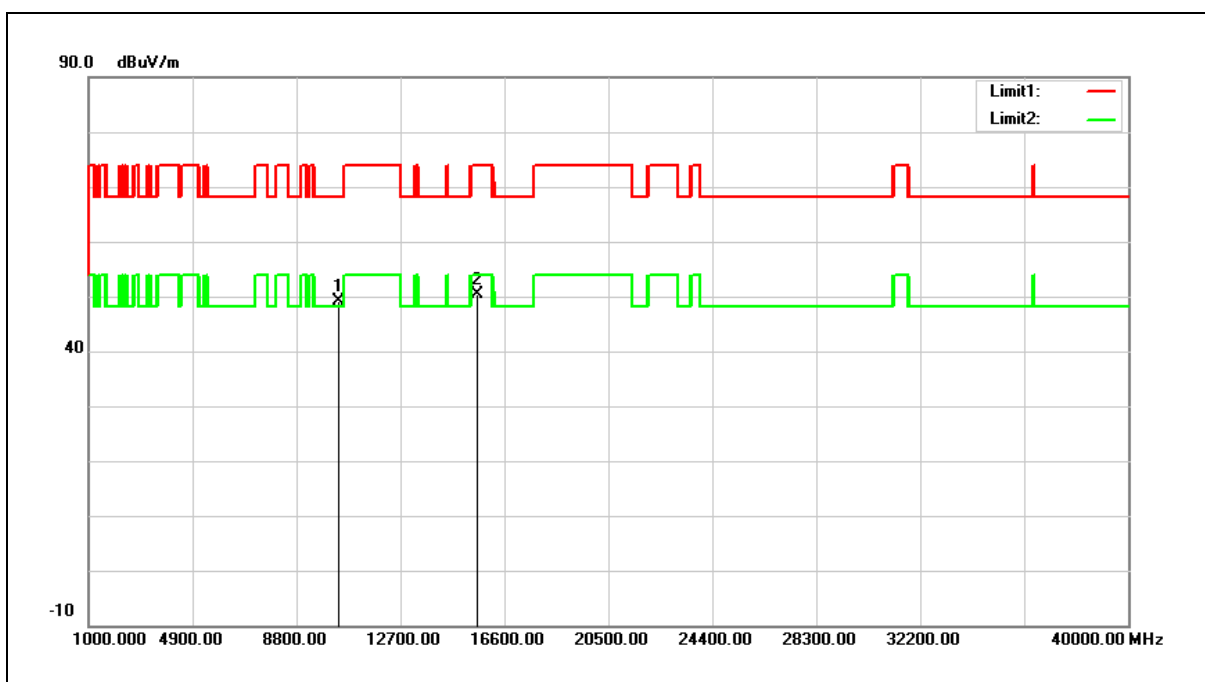
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



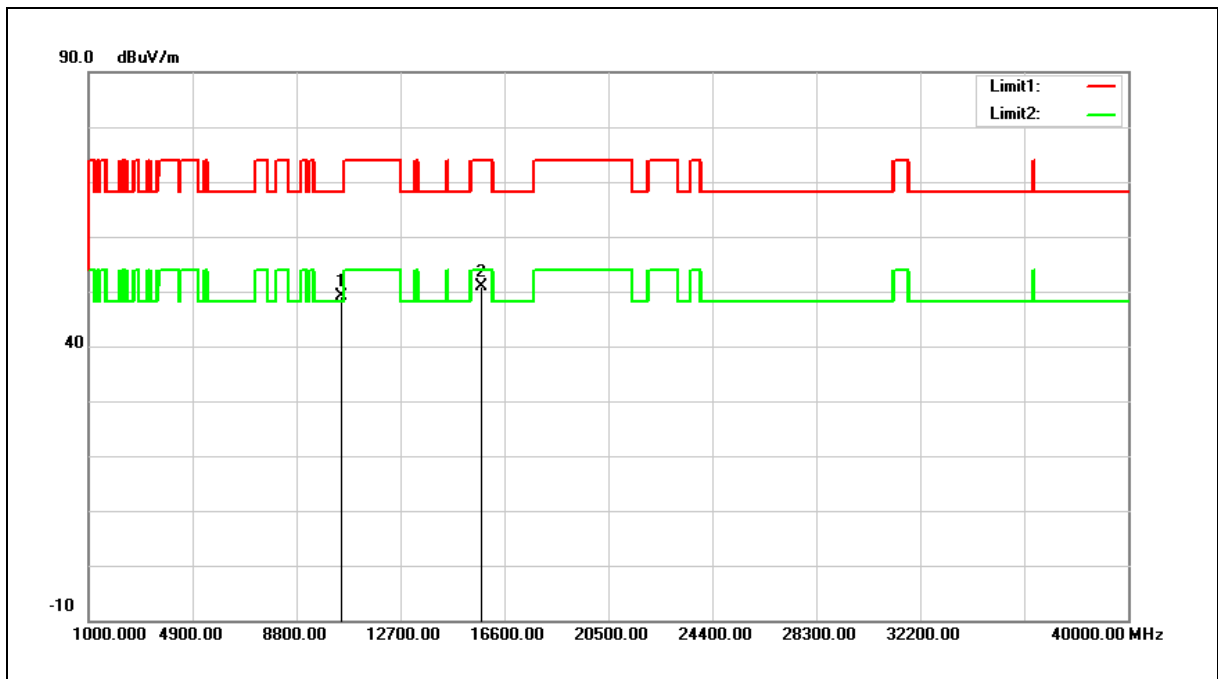
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	35.67	13.41	49.08	68.20	-19.12	peak
2	15600.000	34.82	15.63	50.45	74.00	-23.55	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.52	13.70	49.22	68.20	-18.98	peak
2	15720.000	35.66	15.27	50.93	74.00	-23.07	peak

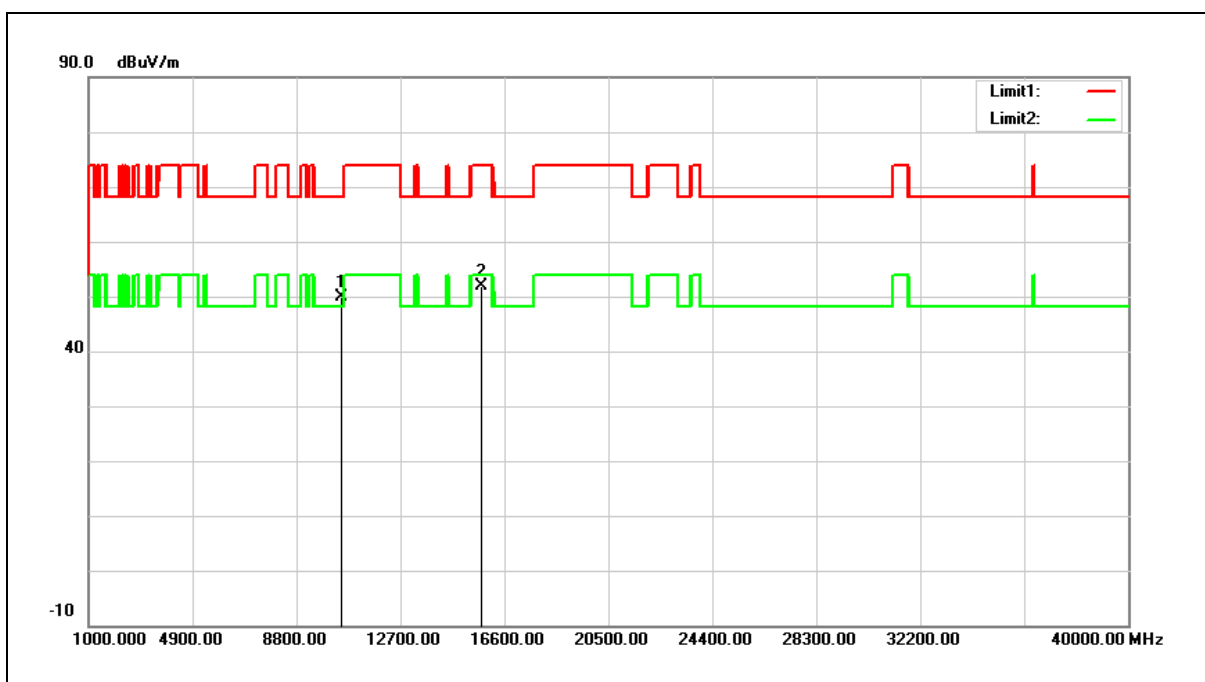
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



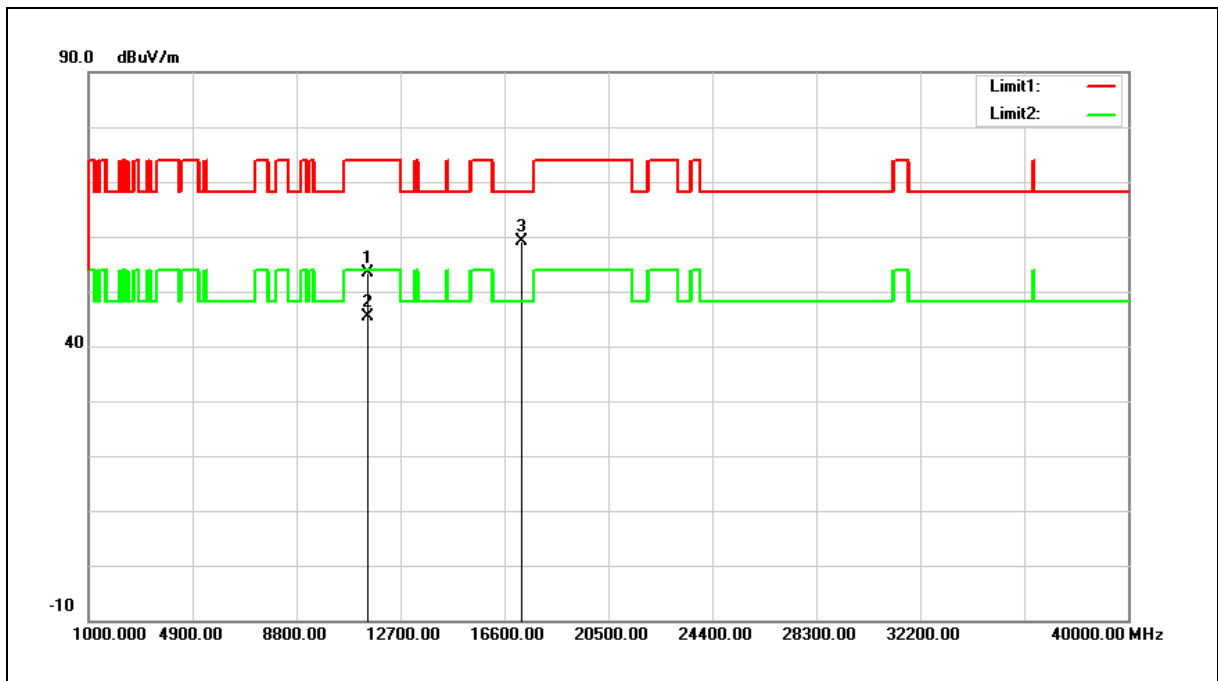
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	36.12	13.70	49.82	68.20	-18.38	peak
2	15720.000	36.67	15.27	51.94	74.00	-22.06	peak

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

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

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

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



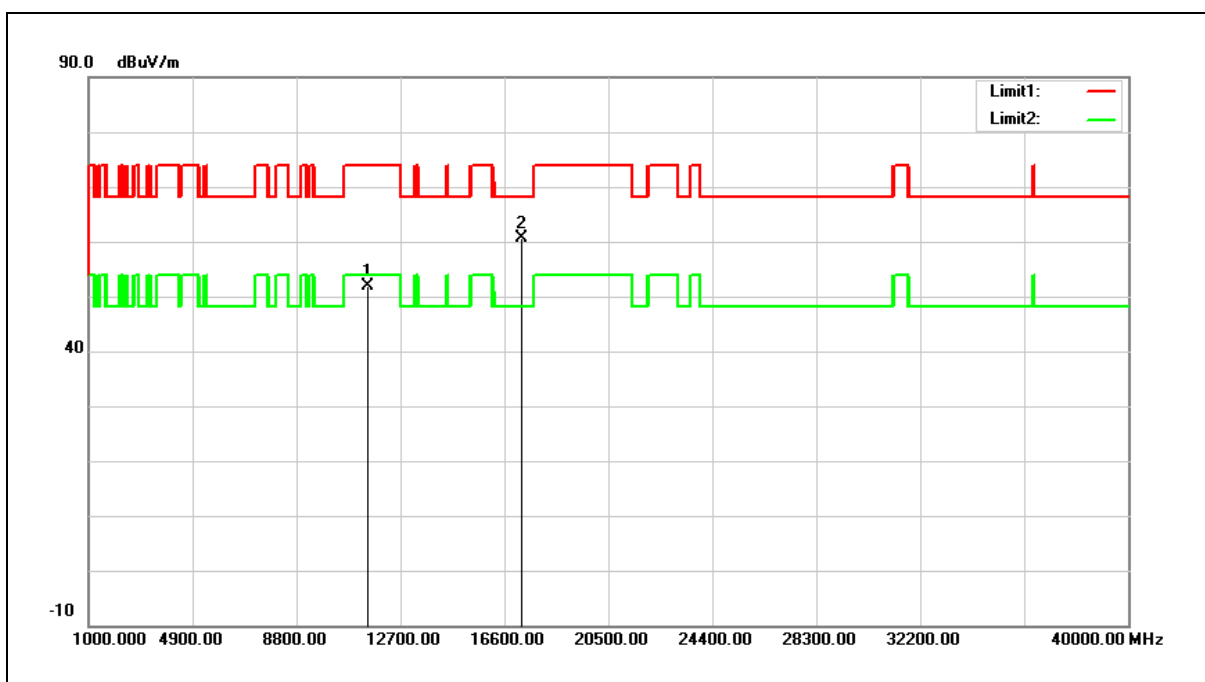
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	47.52	5.74	53.26	74.00	-20.74	peak
2	11490.000	39.56	5.74	45.30	54.00	-8.70	AVG
3	17235.000	48.60	10.60	59.20	68.20	-9.00	peak

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

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

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

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



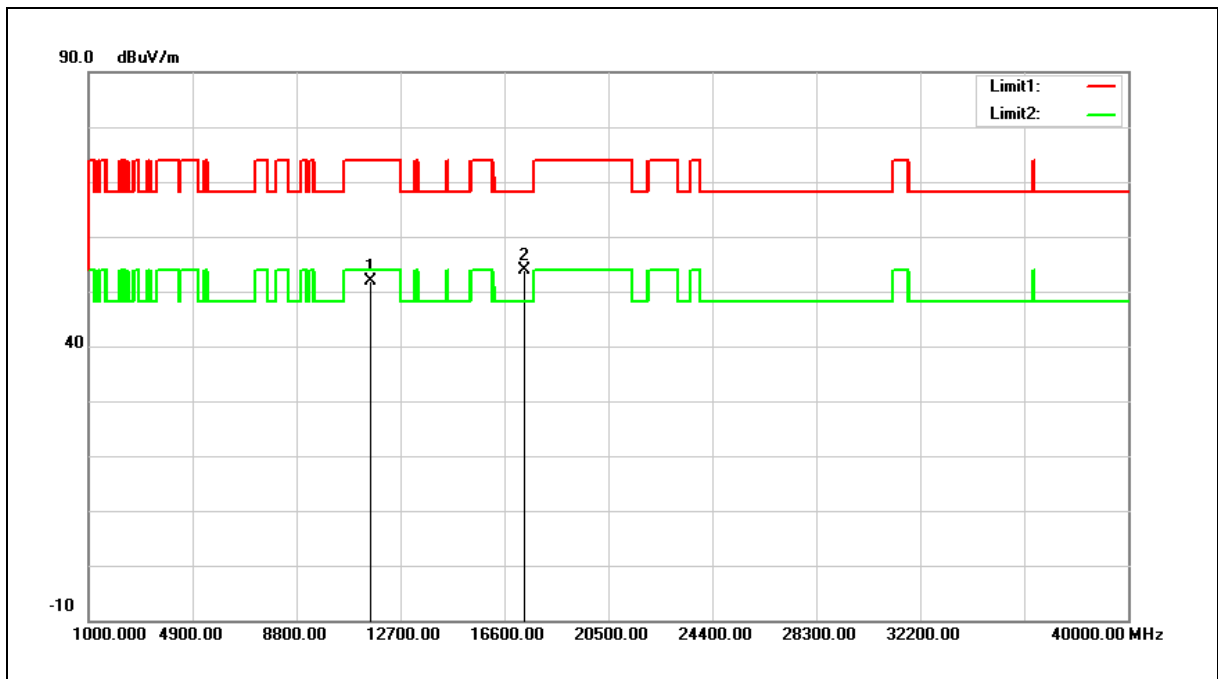
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	46.25	5.74	51.99	74.00	-22.01	peak
2	17235.000	50.00	10.60	60.60	68.20	-7.60	peak

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

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

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

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



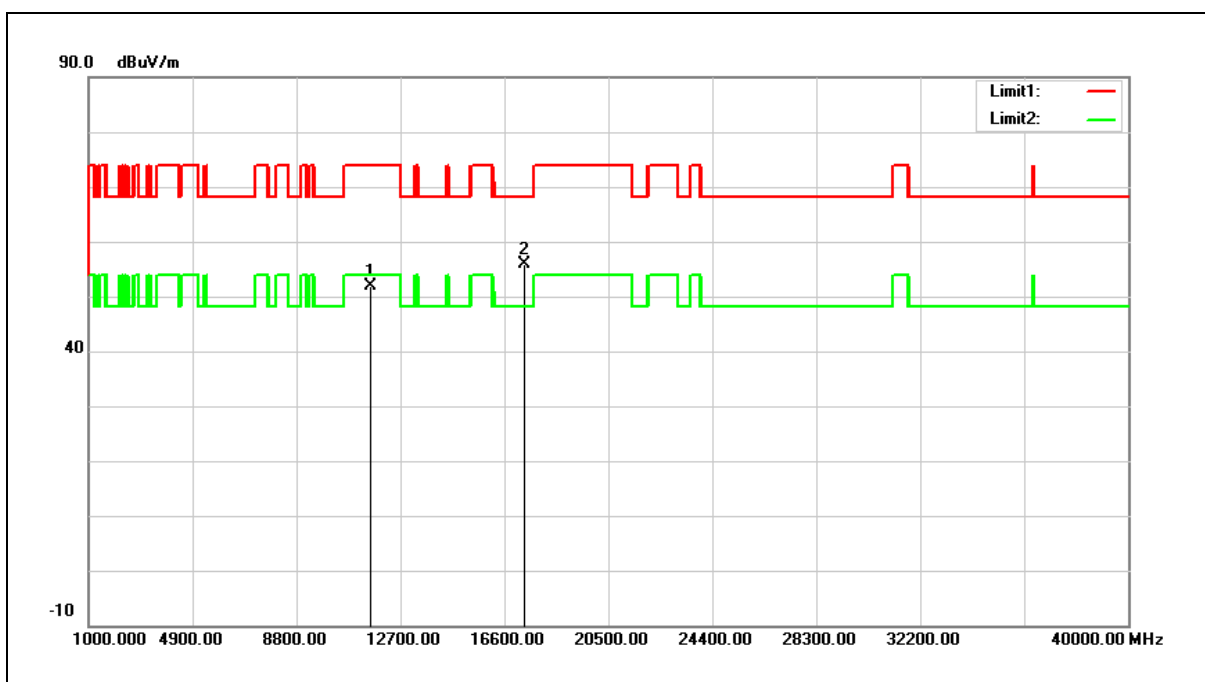
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	46.13	5.70	51.83	74.00	-22.17	peak
2	17355.000	42.98	10.92	53.90	68.20	-14.30	peak

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:	3m
Test item:	Harmonic		
Frequency:	5785MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



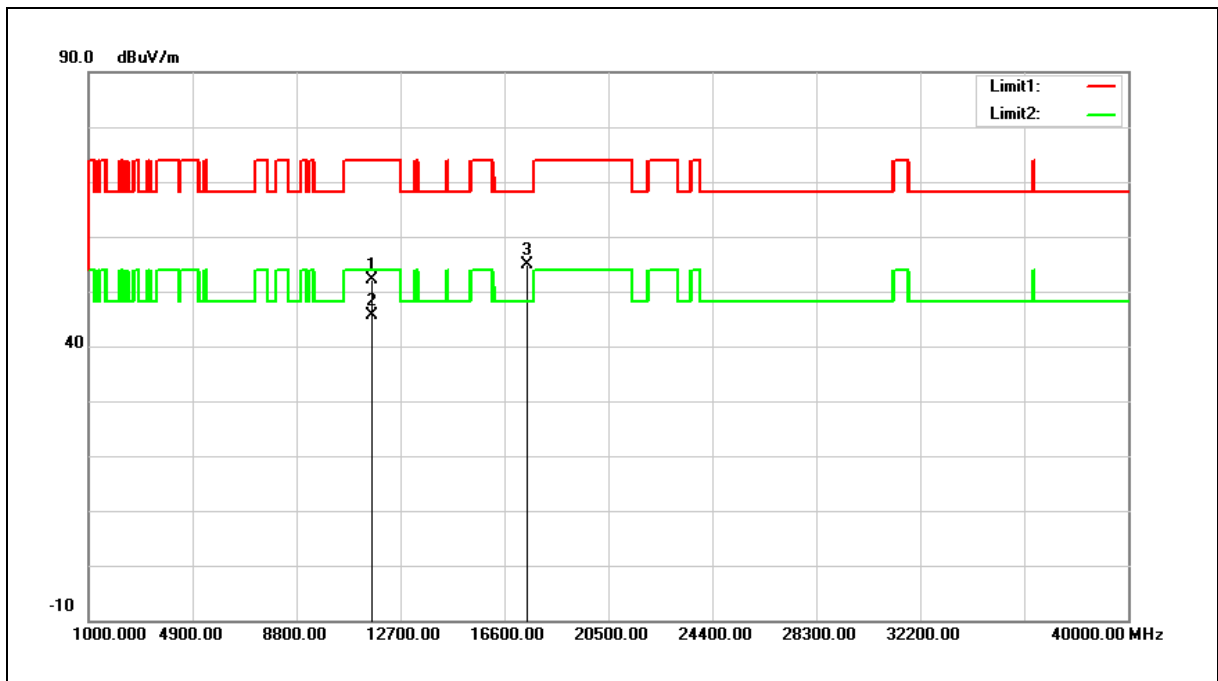
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	46.07	5.70	51.77	74.00	-22.23	peak
2	17355.000	45.04	10.92	55.96	68.20	-12.24	peak

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:	3m
Test item:	Harmonic		
Frequency:	5825MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



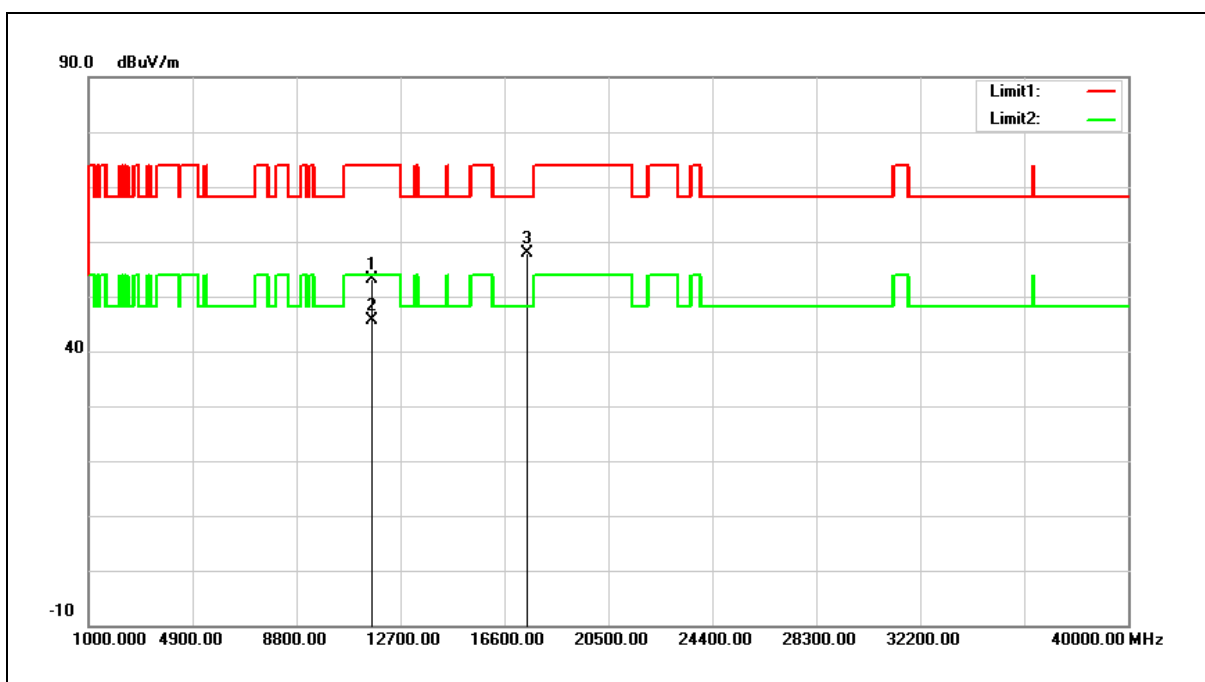
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	46.39	5.64	52.03	74.00	-21.97	peak
2	11650.000	40.07	5.64	45.71	54.00	-8.29	AVG
3	17475.000	43.59	11.22	54.81	68.20	-13.39	peak

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

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

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

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



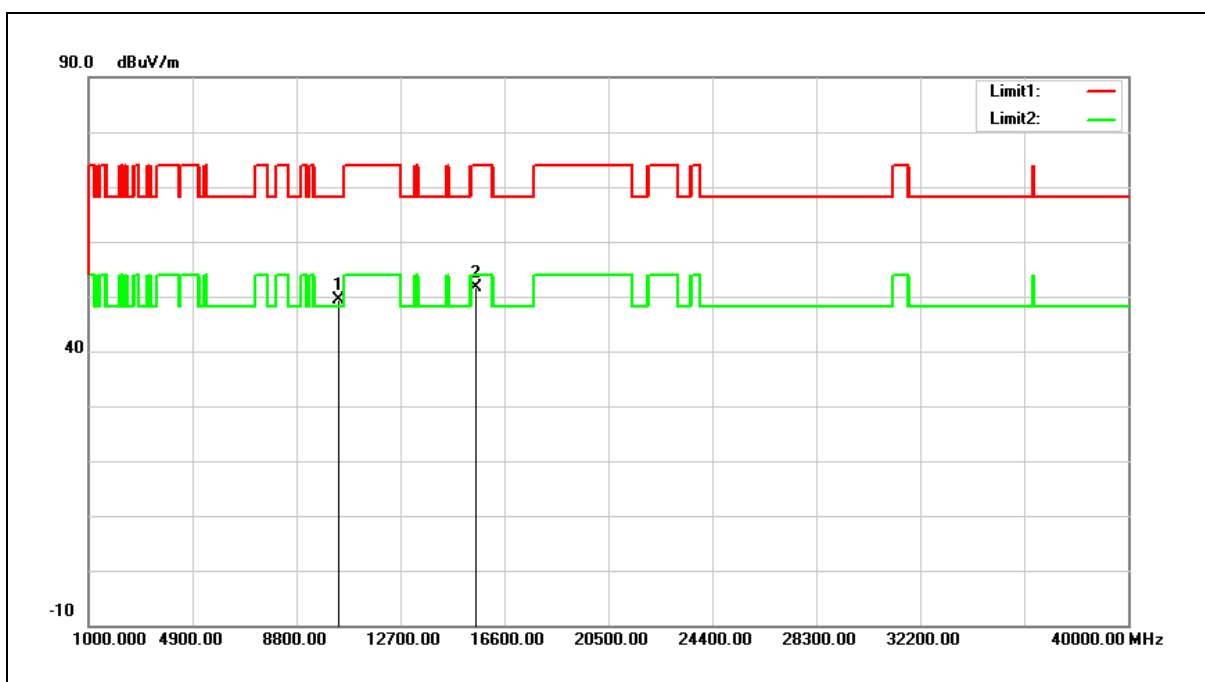
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.51	5.64	53.15	74.00	-20.85	peak
2	11650.000	39.99	5.64	45.63	54.00	-8.37	AVG
3	17475.000	46.66	11.22	57.88	68.20	-10.32	peak

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

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

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

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



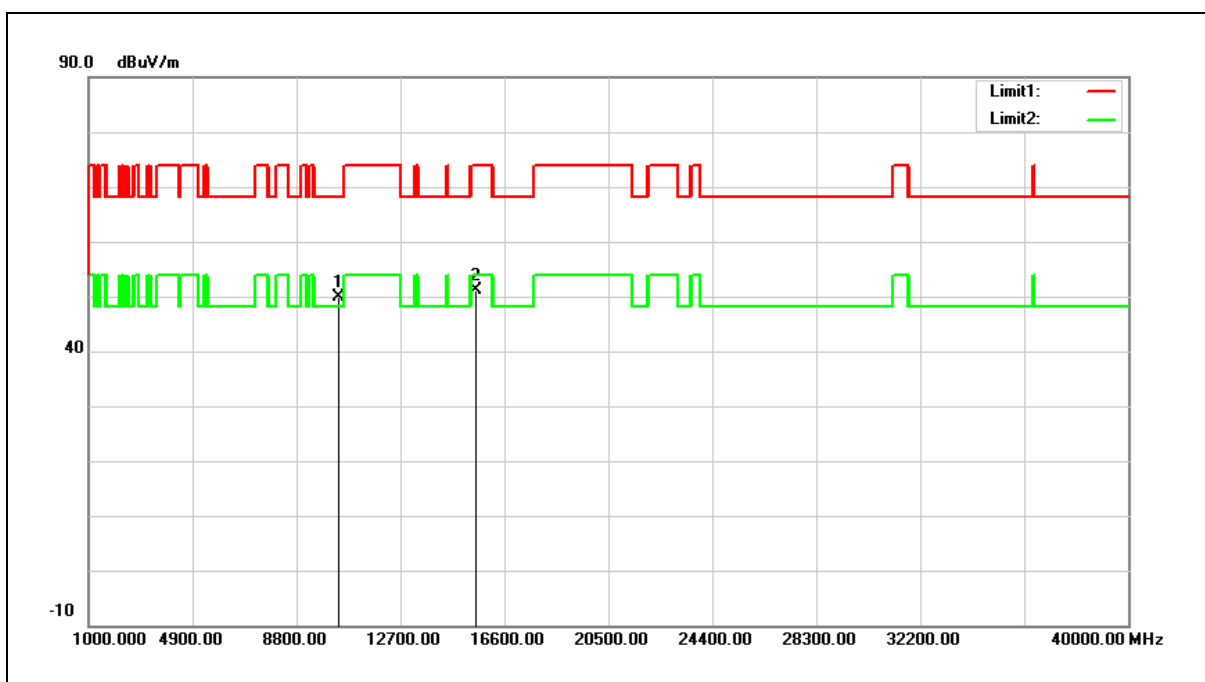
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	36.04	13.27	49.31	68.20	-18.89	peak
2	15540.000	35.83	15.81	51.64	74.00	-22.36	peak

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

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

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

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



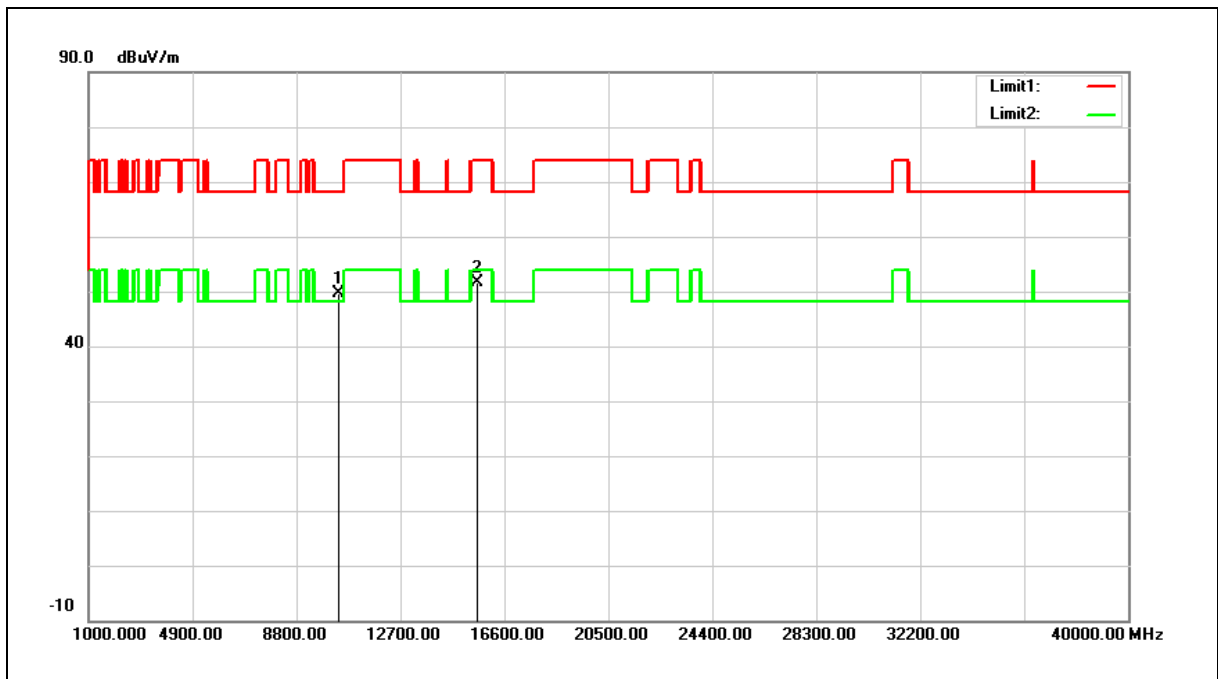
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	36.73	13.27	50.00	68.20	-18.20	peak
2	15540.000	35.21	15.81	51.02	74.00	-22.98	peak

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:	3m
Test item:	Harmonic		
Frequency:	5200MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



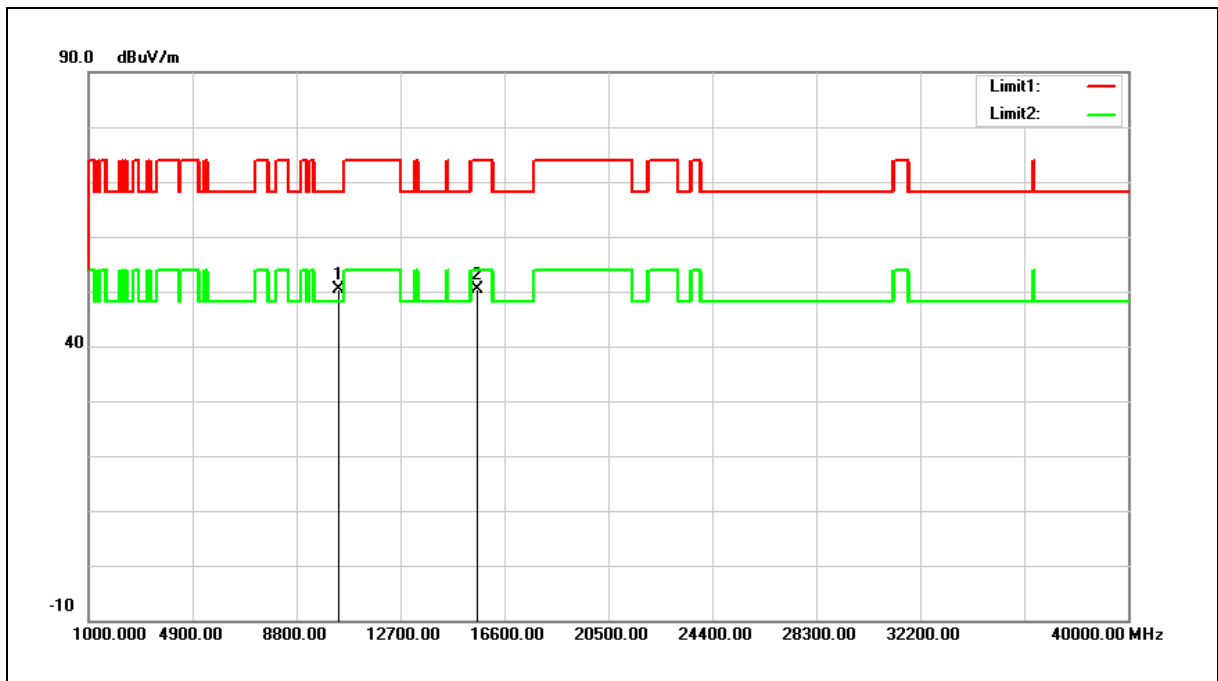
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.25	13.41	49.66	68.20	-18.54	peak
2	15600.000	35.96	15.63	51.59	74.00	-22.41	peak

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:	3m
Test item:	Harmonic		
Frequency:	5200MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



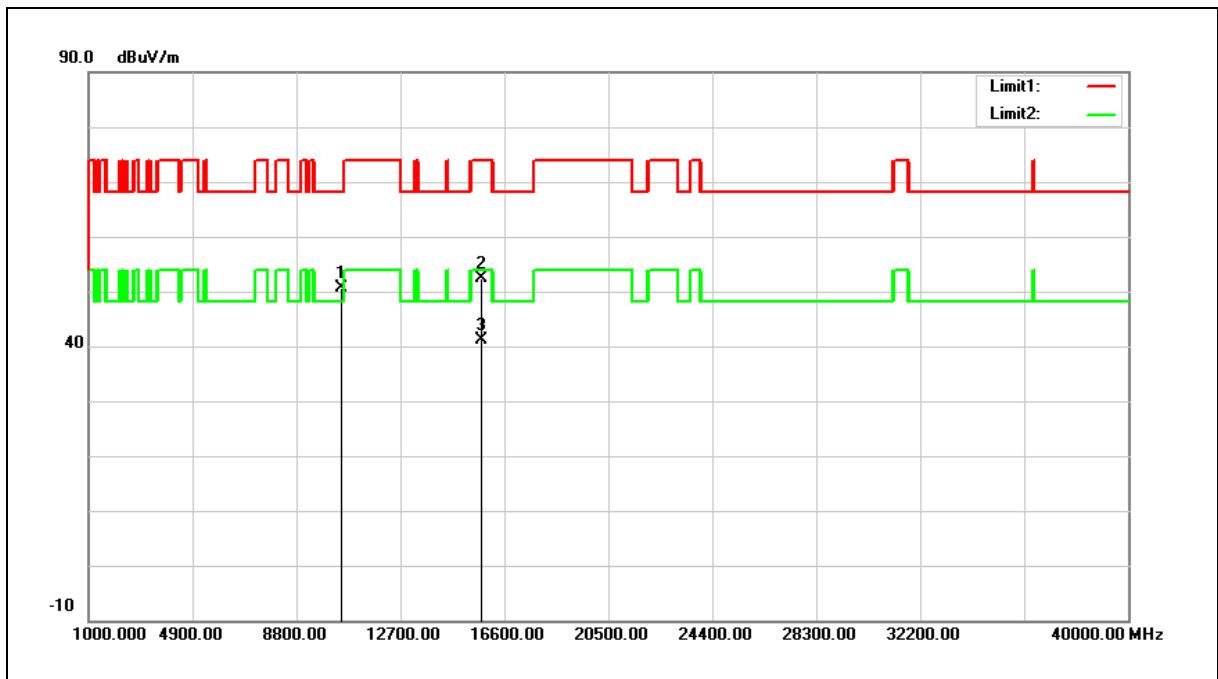
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.94	13.41	50.35	68.20	-17.85	peak
2	15600.000	34.63	15.63	50.26	74.00	-23.74	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



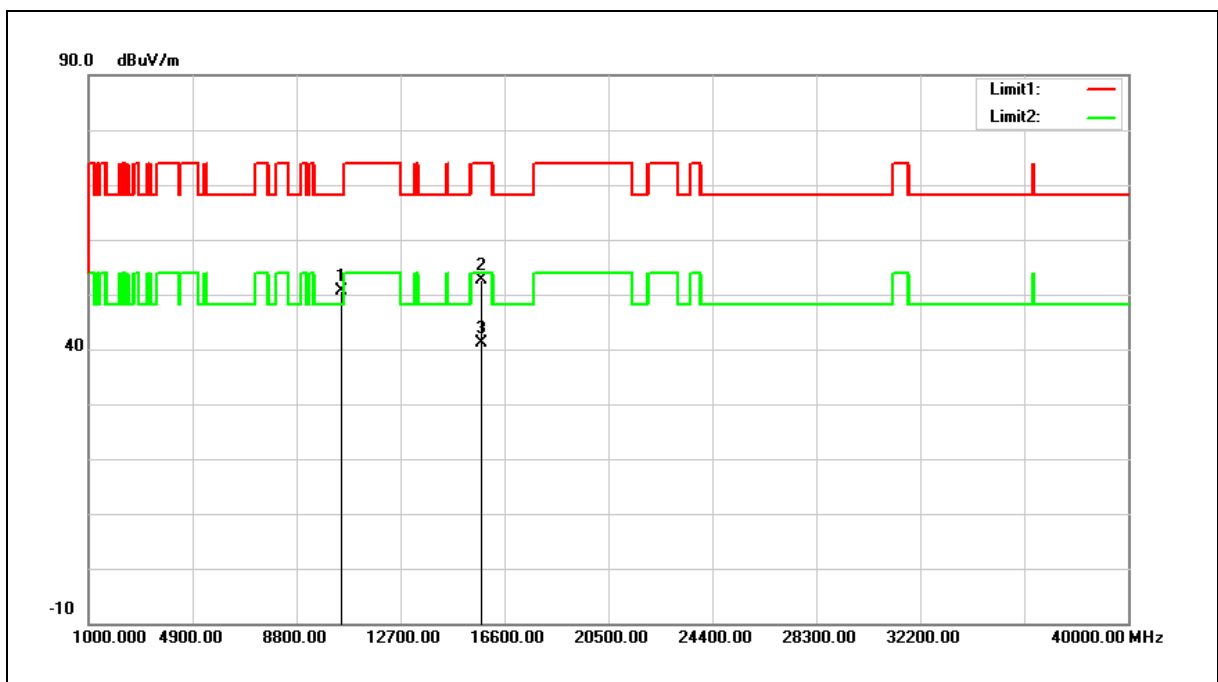
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	37.03	13.70	50.73	68.20	-17.47	peak
2	15720.000	37.03	15.27	52.30	74.00	-21.70	peak
3	15720.000	25.84	15.27	41.11	54.00	-12.89	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



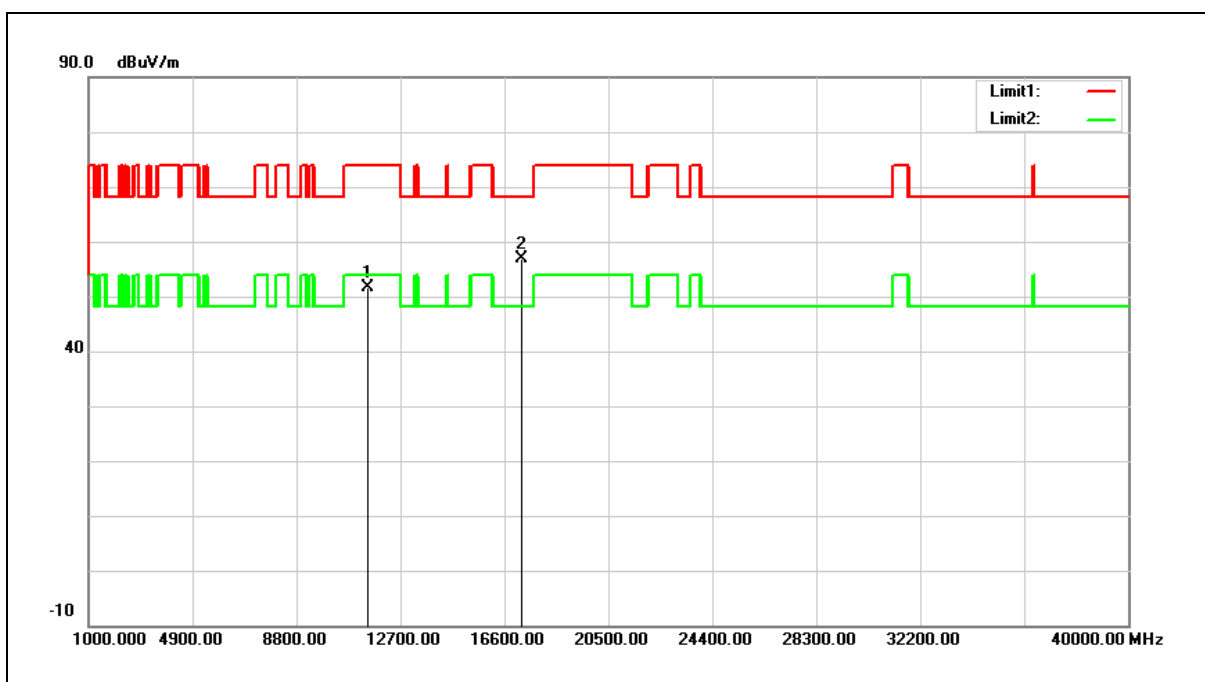
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	37.02	13.70	50.72	68.20	-17.48	peak
2	15720.000	37.41	15.27	52.68	74.00	-21.32	peak
3	15720.000	25.78	15.27	41.05	54.00	-12.95	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



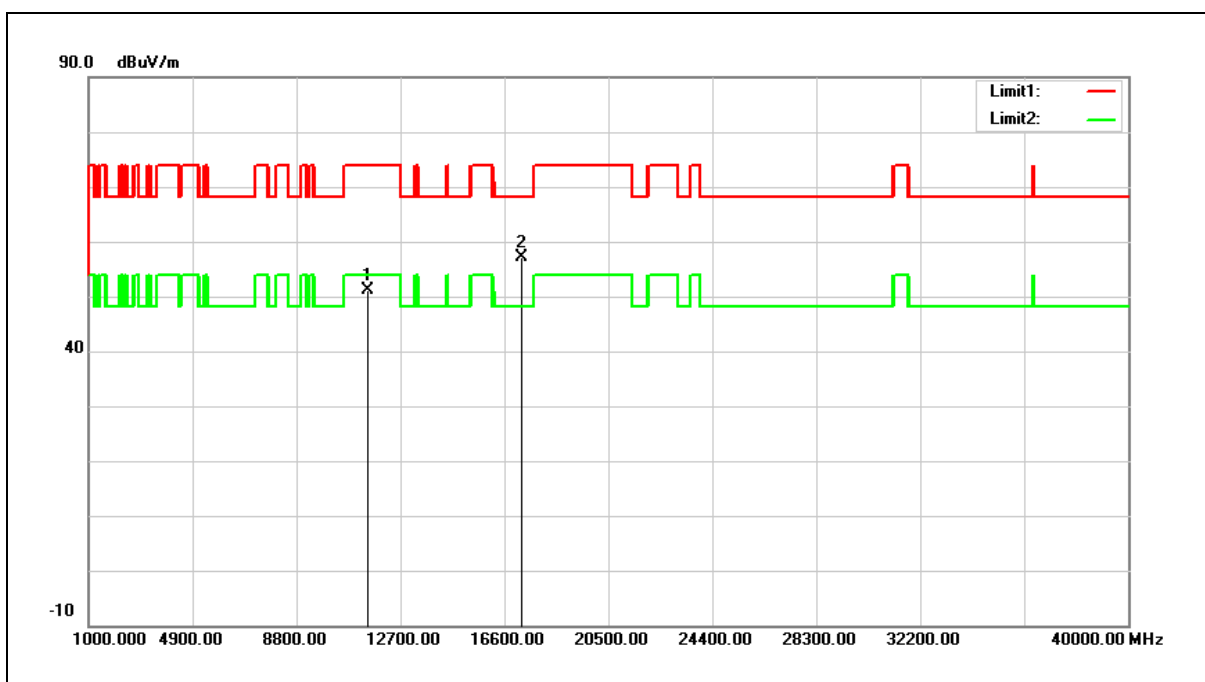
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	45.78	5.74	51.52	74.00	-22.48	peak
2	17235.000	46.17	10.60	56.77	68.20	-11.43	peak

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

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

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

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



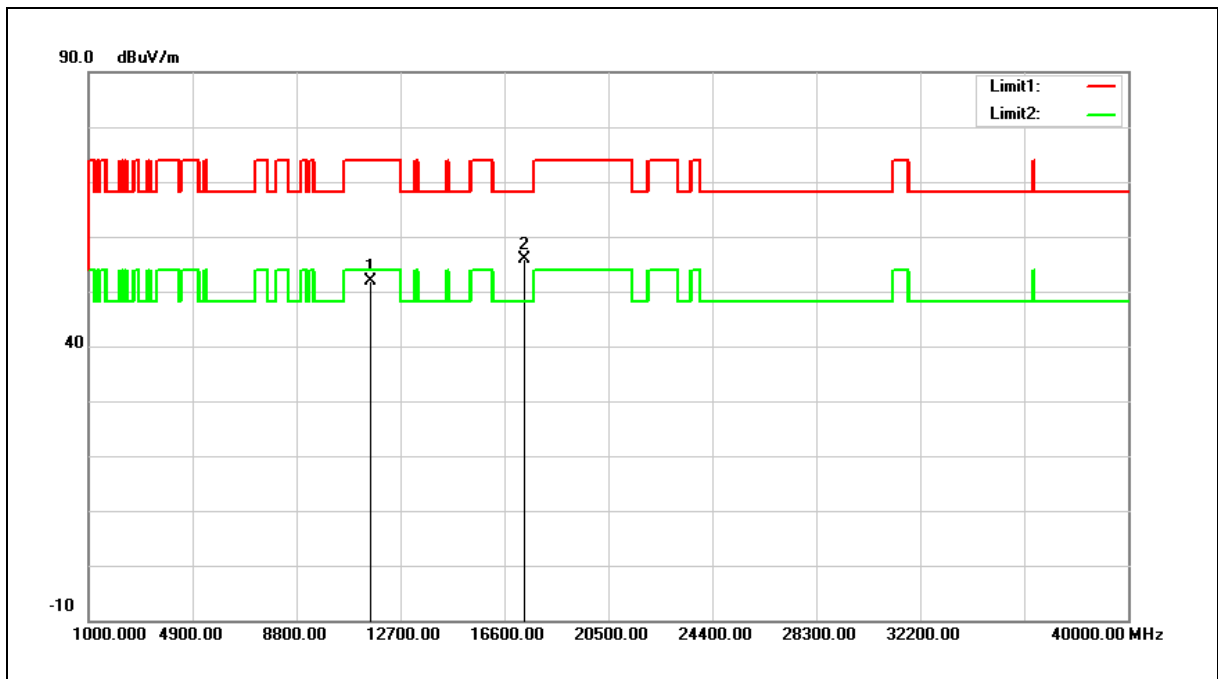
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	45.29	5.74	51.03	74.00	-22.97	peak
2	17235.000	46.50	10.60	57.10	68.20	-11.10	peak

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

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

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

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



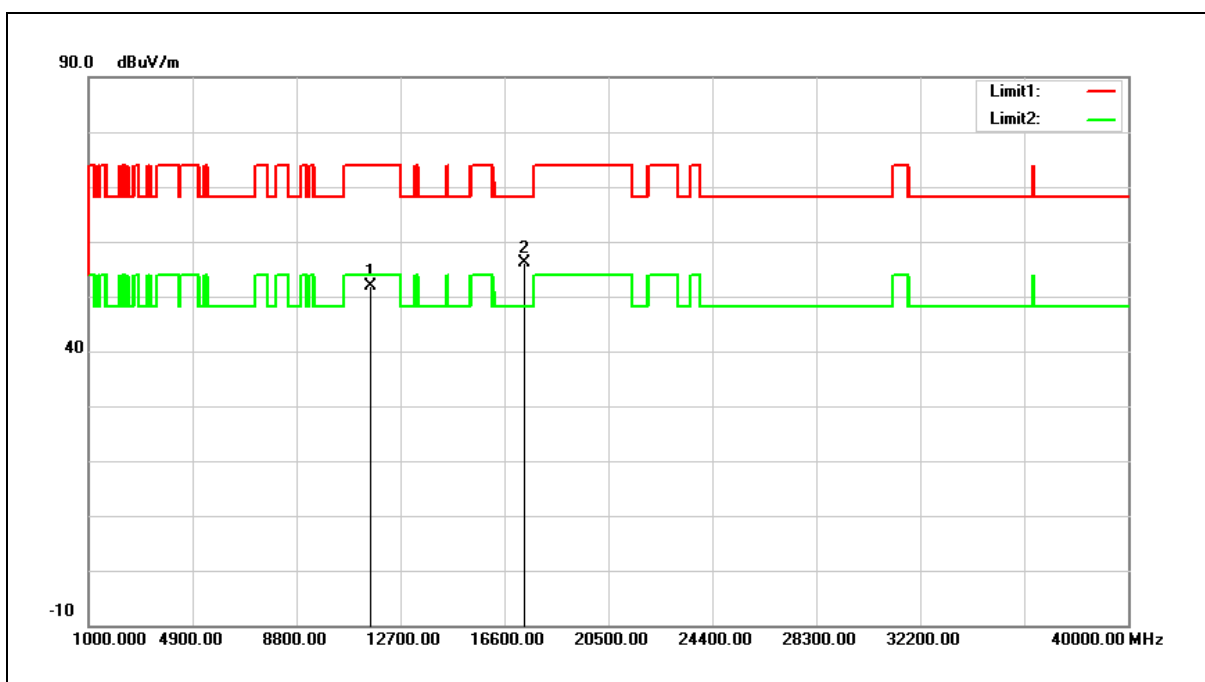
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	46.25	5.70	51.95	74.00	-22.05	peak
2	17355.000	44.84	10.92	55.76	68.20	-12.44	peak

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

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

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

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



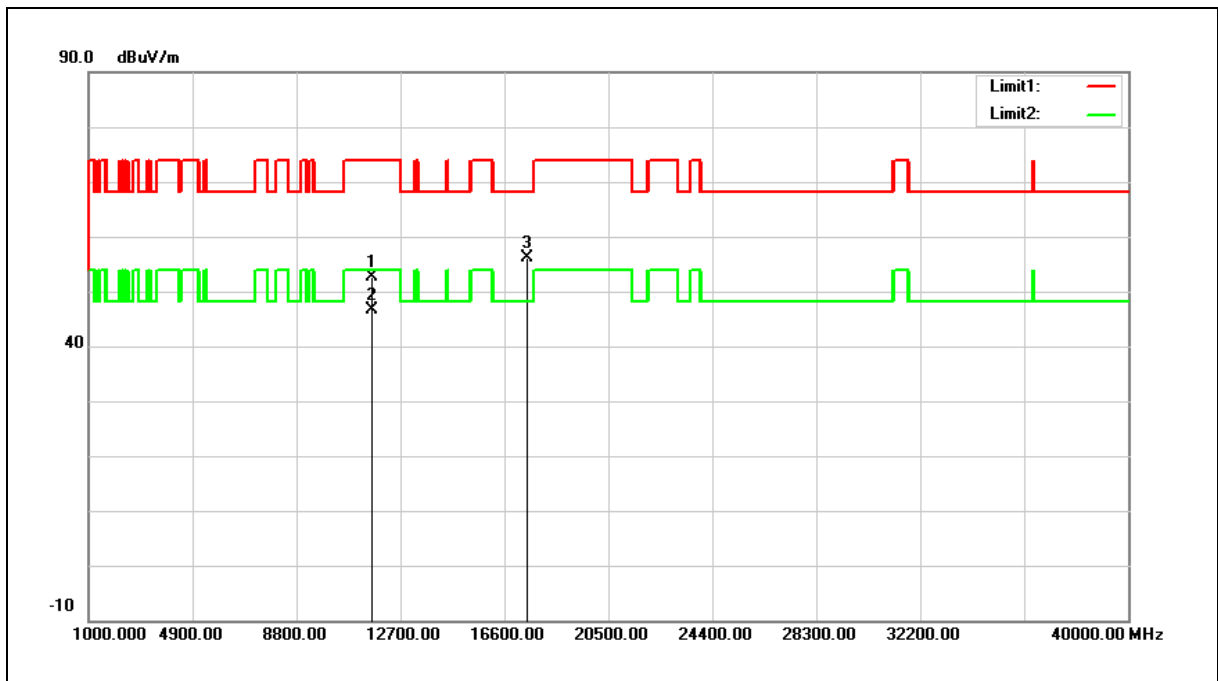
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	46.07	5.70	51.77	74.00	-22.23	peak
2	17355.000	45.20	10.92	56.12	68.20	-12.08	peak

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

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

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

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



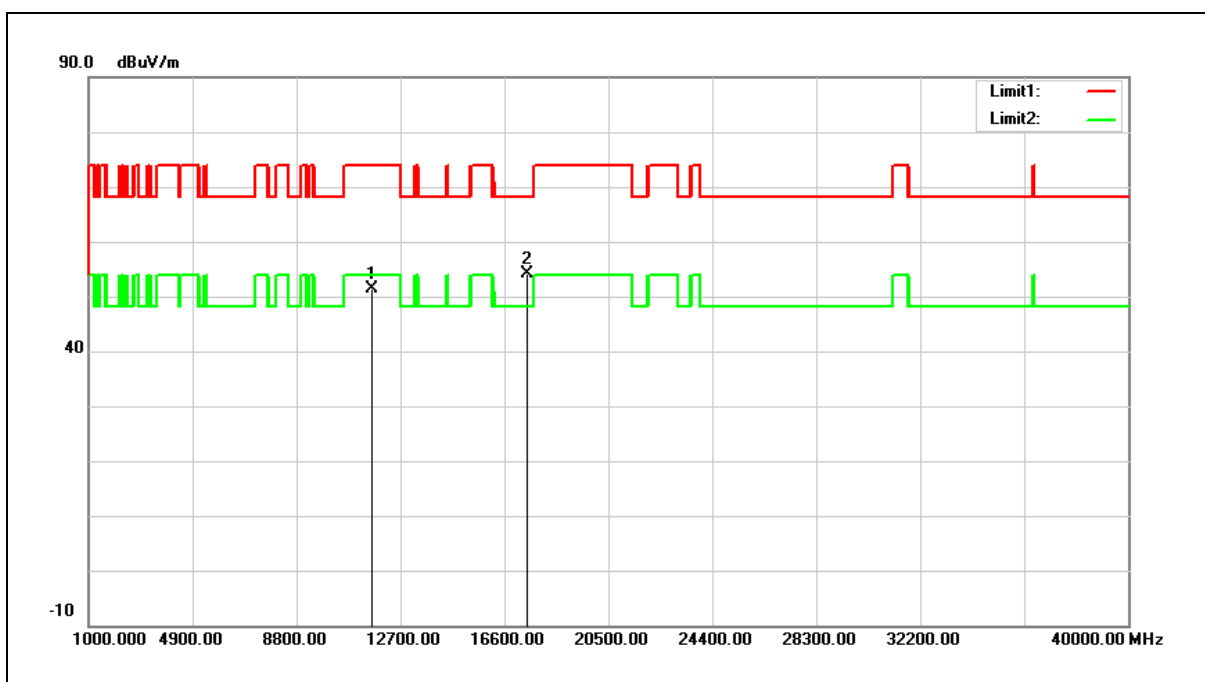
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.02	5.64	52.66	74.00	-21.34	peak
2	11650.000	40.87	5.64	46.51	54.00	-7.49	AVG
3	17475.000	45.03	11.22	56.25	68.20	-11.95	peak

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

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

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

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



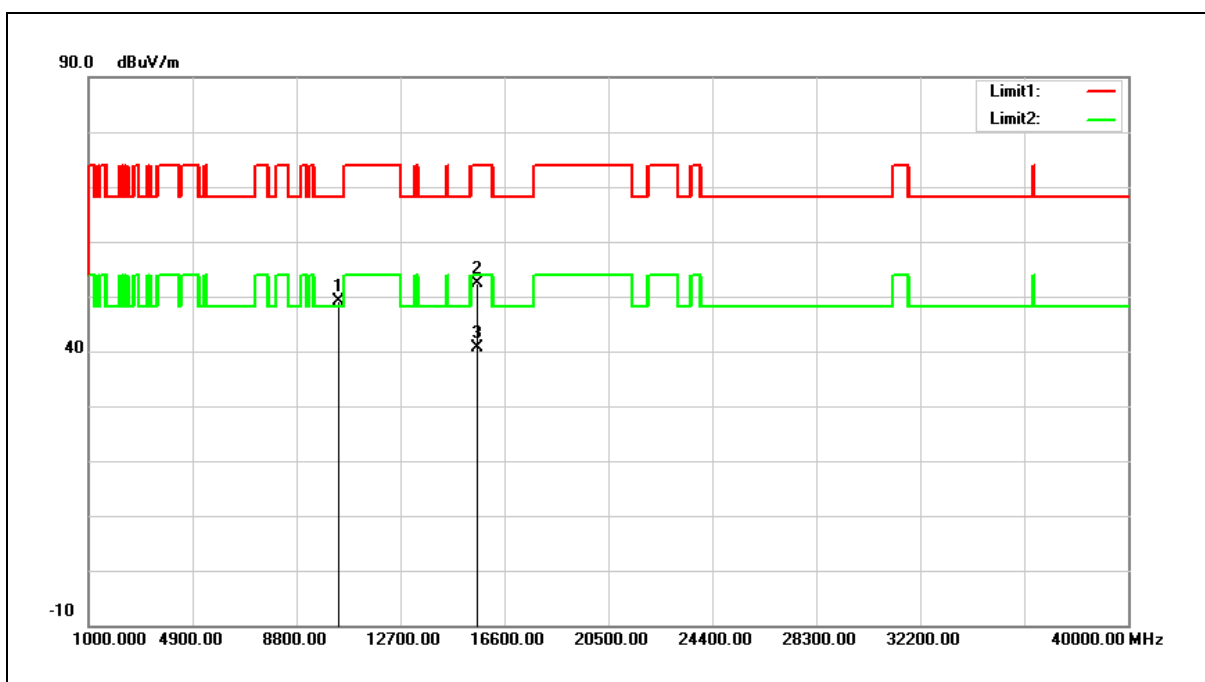
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	45.75	5.64	51.39	74.00	-22.61	peak
2	17475.000	42.99	11.22	54.21	68.20	-13.99	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	35.86	13.35	49.21	68.20	-18.99	peak
2	15570.000	36.66	15.72	52.38	74.00	-21.62	peak
3	15570.000	24.84	15.72	40.56	54.00	-13.44	AVG

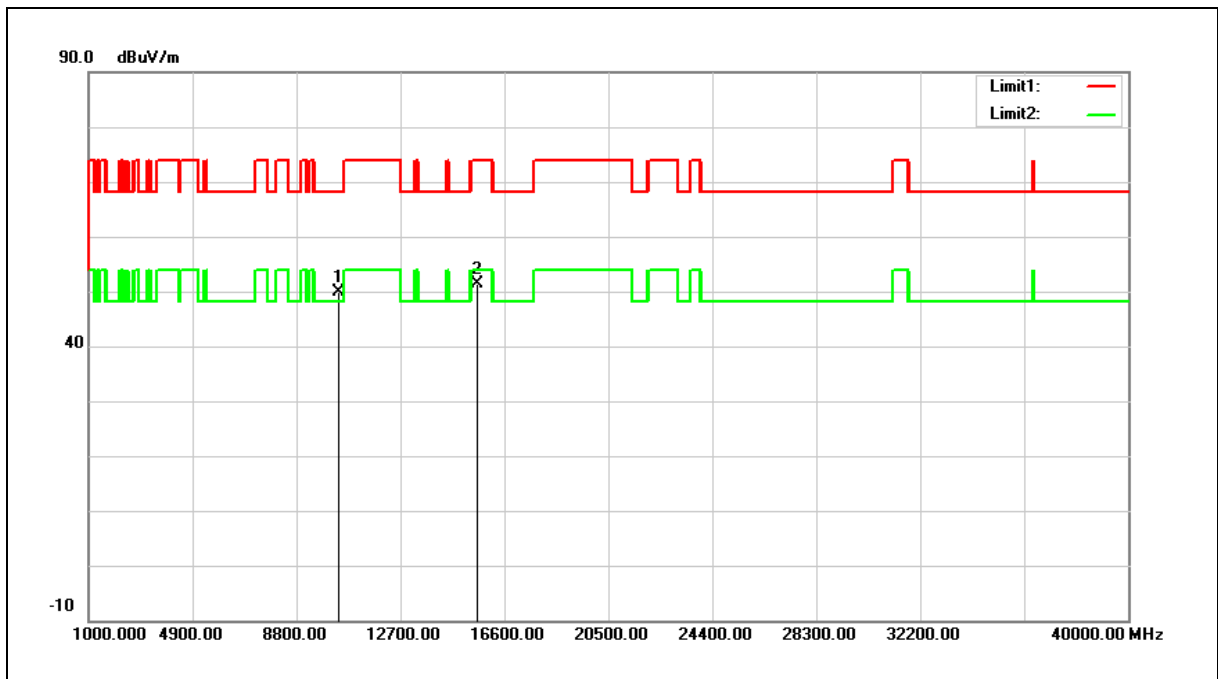
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	36.48	13.35	49.83	68.20	-18.37	peak
2	15570.000	35.76	15.72	51.48	74.00	-22.52	peak

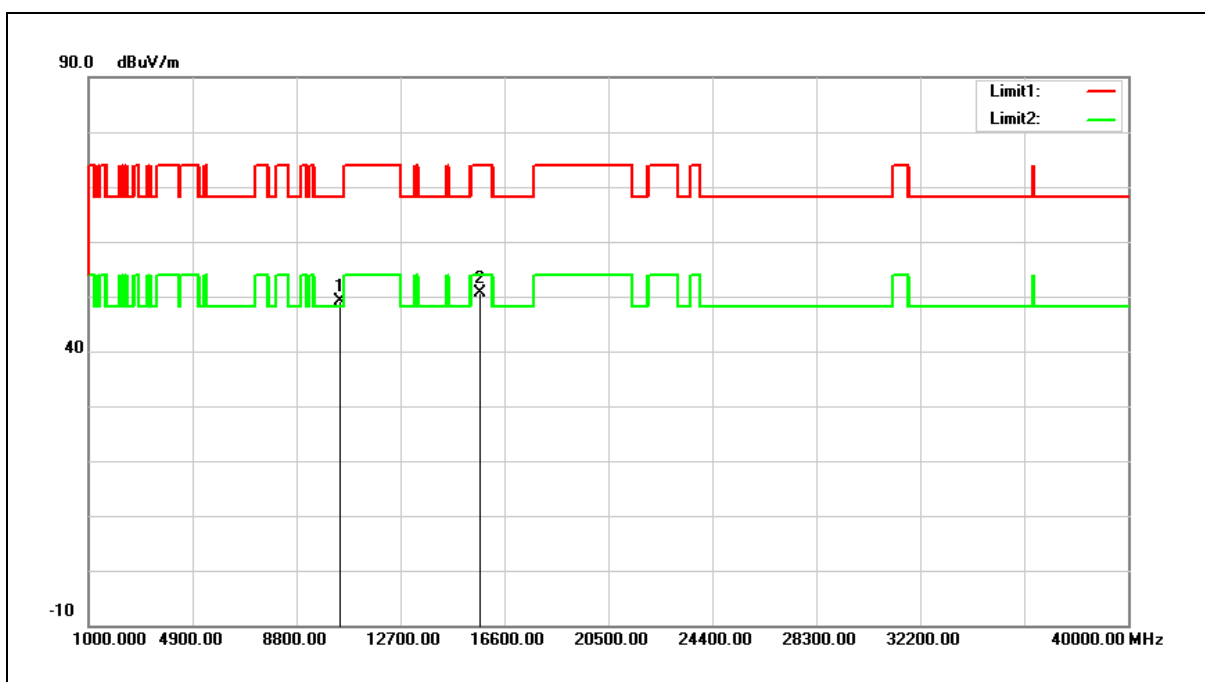
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	35.38	13.63	49.01	68.20	-19.19	peak
2	15690.000	35.26	15.36	50.62	74.00	-23.38	peak

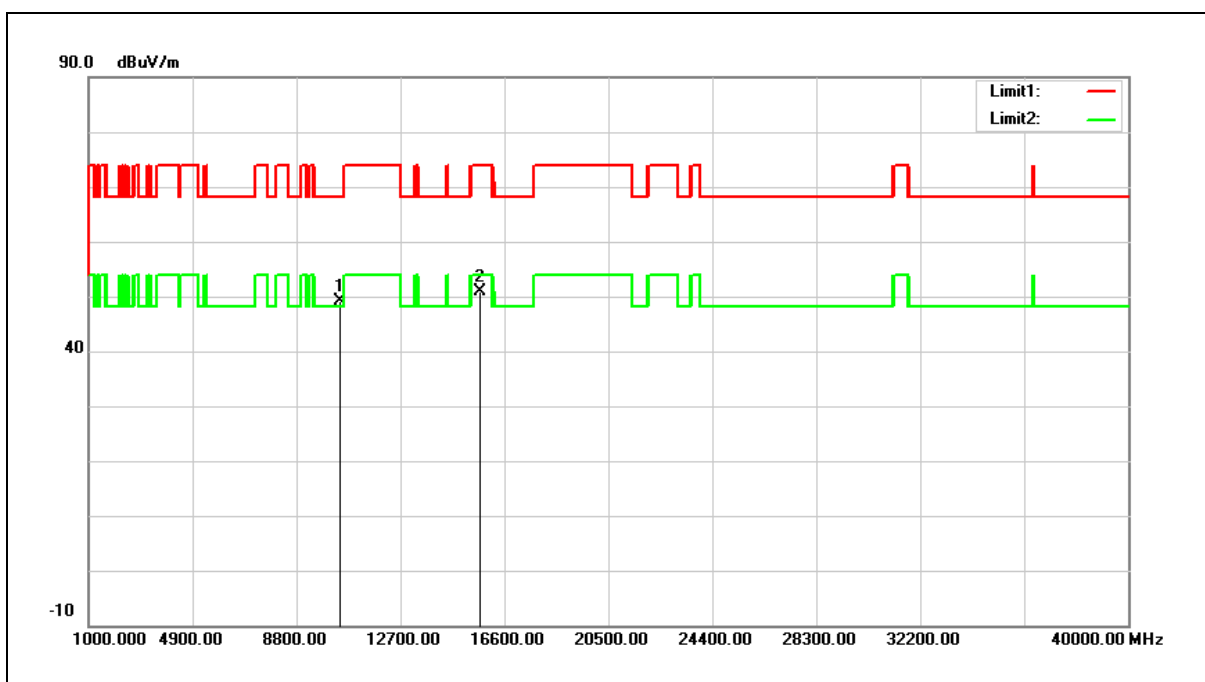
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



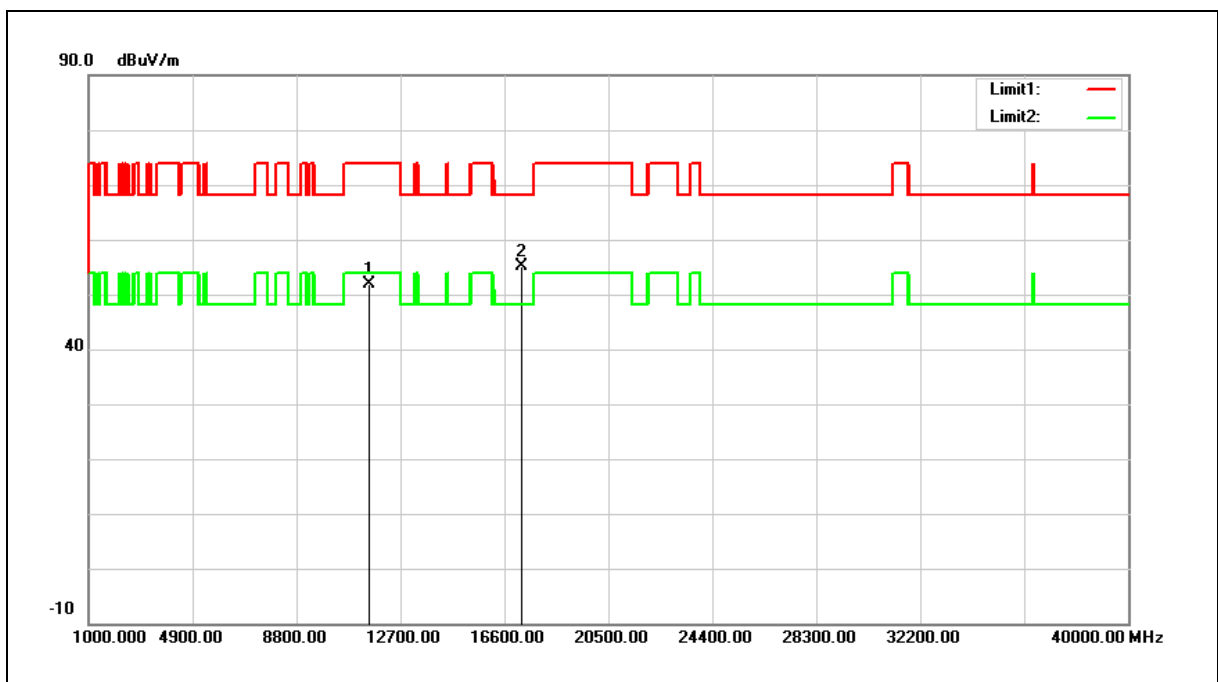
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	35.50	13.63	49.13	68.20	-19.07	peak
2	15690.000	35.60	15.36	50.96	74.00	-23.04	peak

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:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	46.21	5.74	51.95	74.00	-22.05	peak
2	17265.000	44.52	10.69	55.21	68.20	-12.99	peak

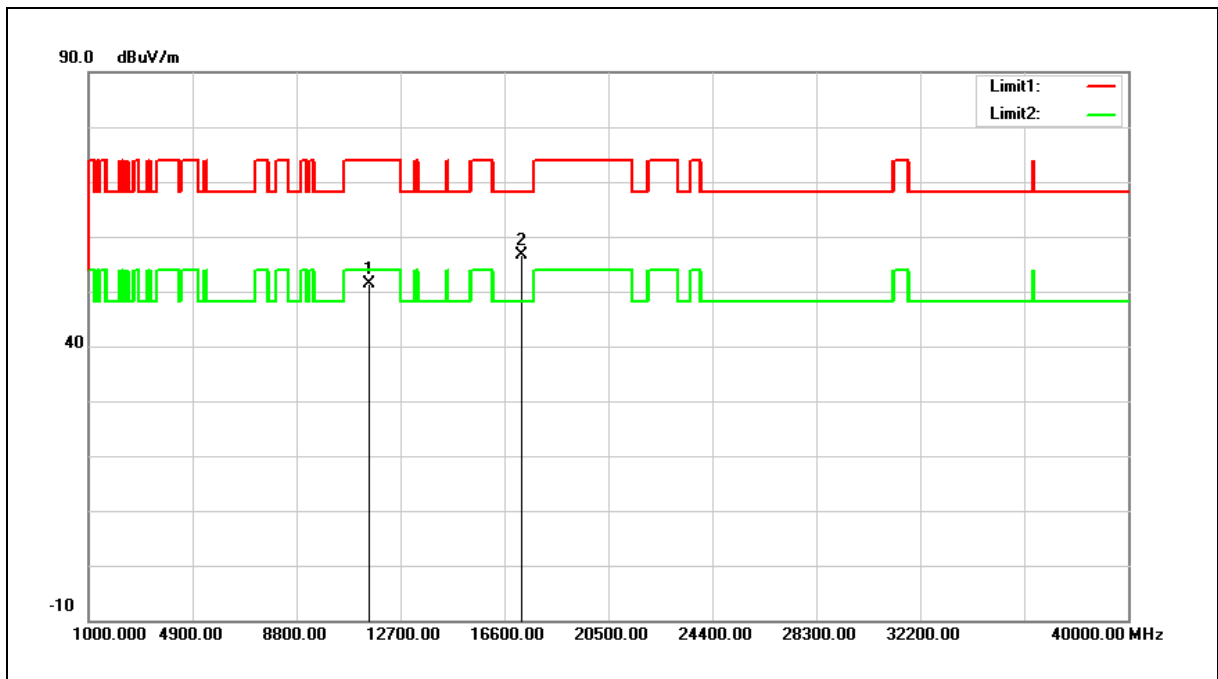
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



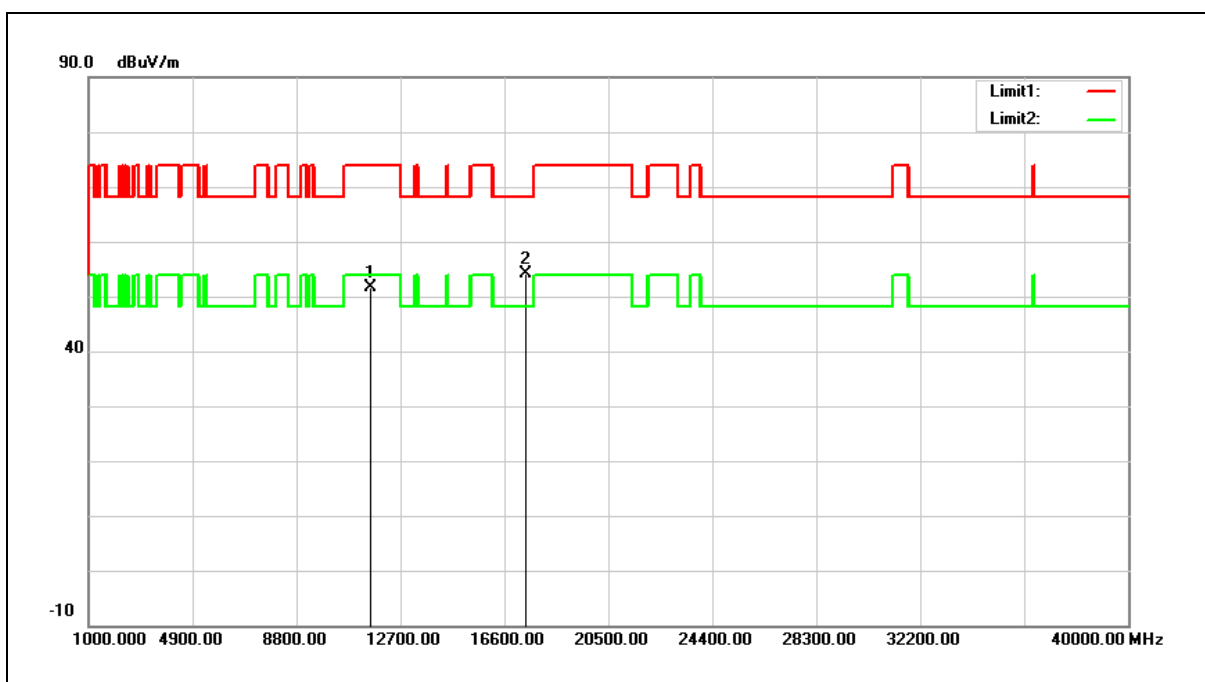
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	45.56	5.74	51.30	74.00	-22.70	peak
2	17265.000	45.85	10.69	56.54	68.20	-11.66	peak

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:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



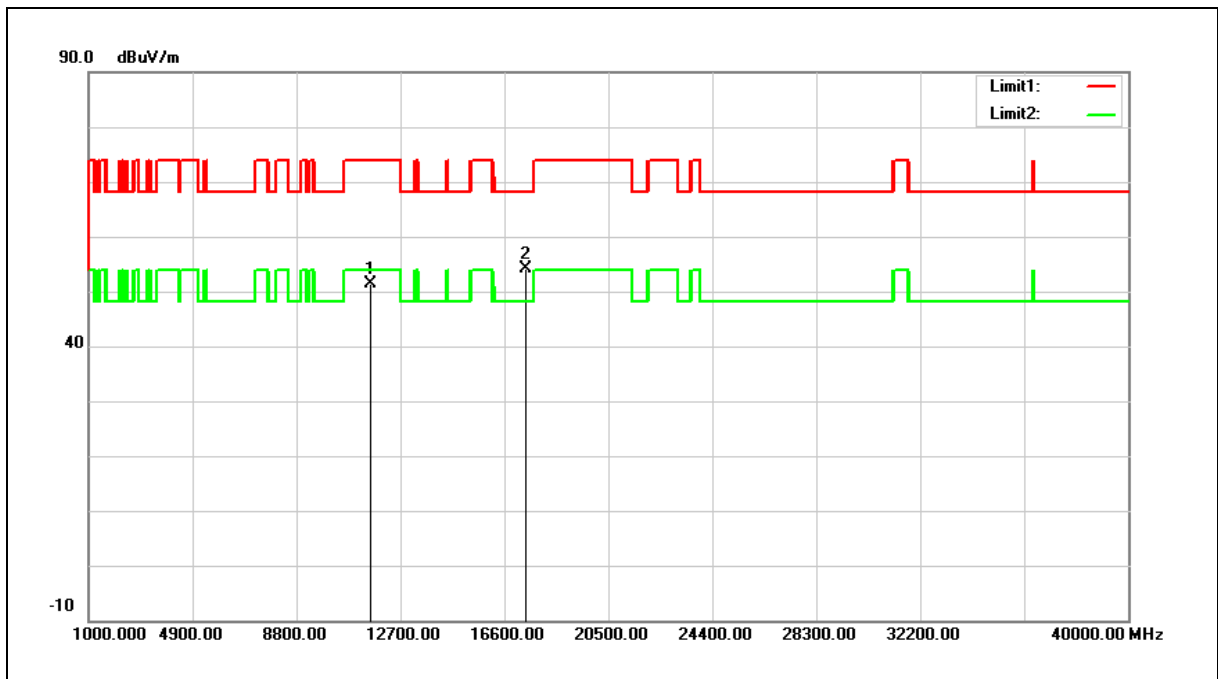
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	45.96	5.69	51.65	74.00	-22.35	peak
2	17385.000	43.08	10.99	54.07	68.20	-14.13	peak

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:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



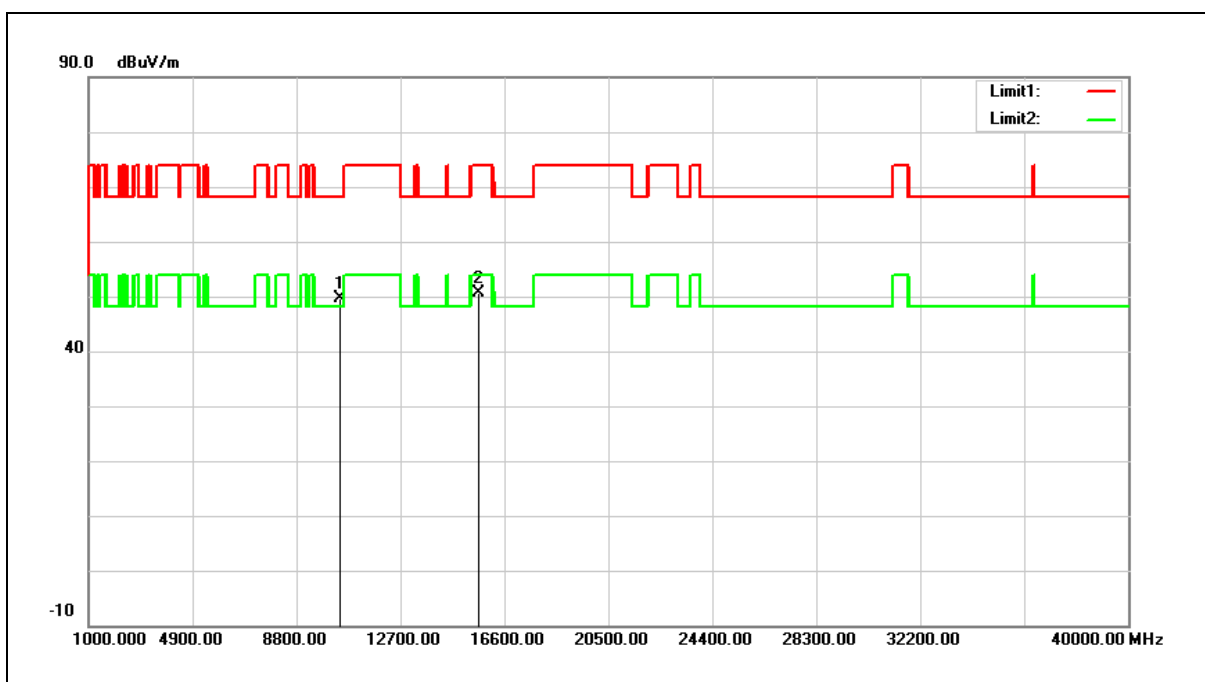
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	45.78	5.69	51.47	74.00	-22.53	peak
2	17385.000	43.03	10.99	54.02	68.20	-14.18	peak

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:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	36.17	13.49	49.66	68.20	-18.54	peak
2	15630.000	34.99	15.55	50.54	74.00	-23.46	peak

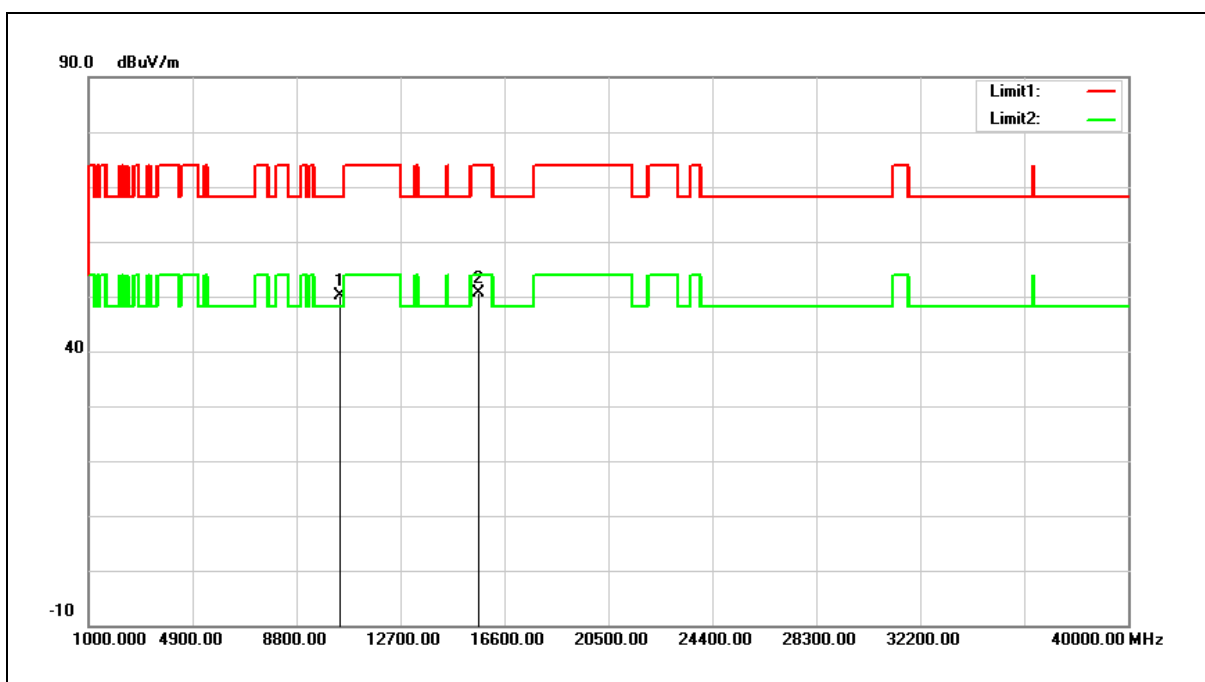
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



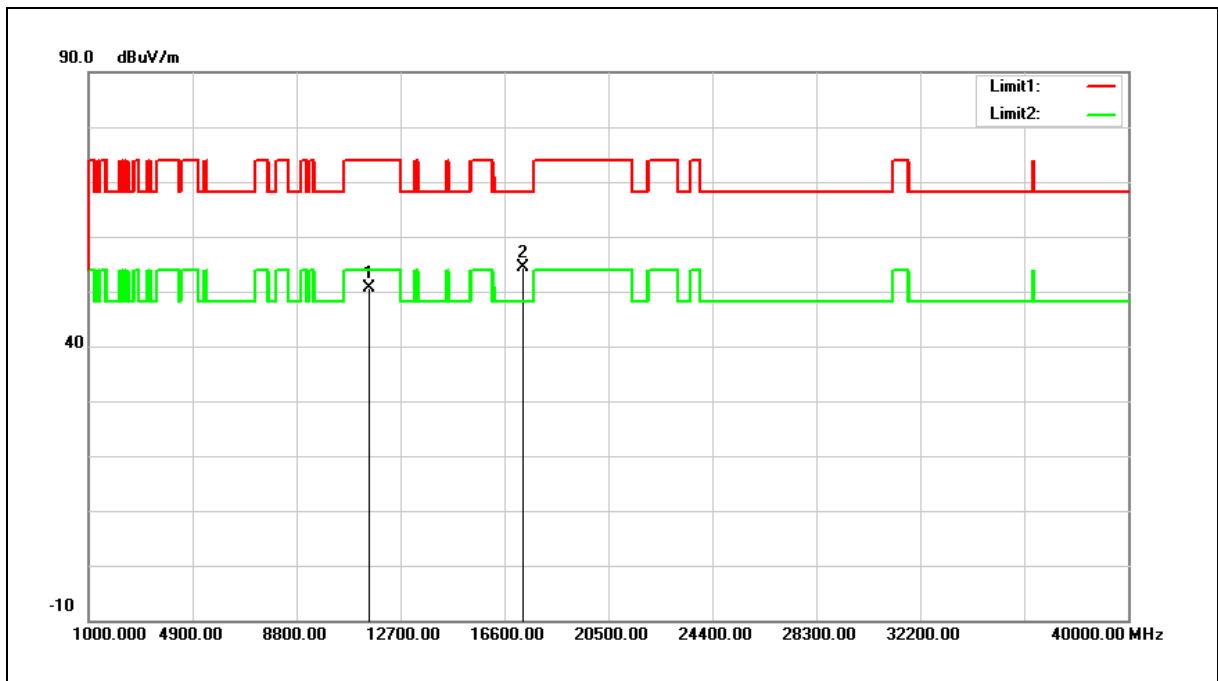
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	36.62	13.49	50.11	68.20	-18.09	peak
2	15630.000	34.97	15.55	50.52	74.00	-23.48	peak

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:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



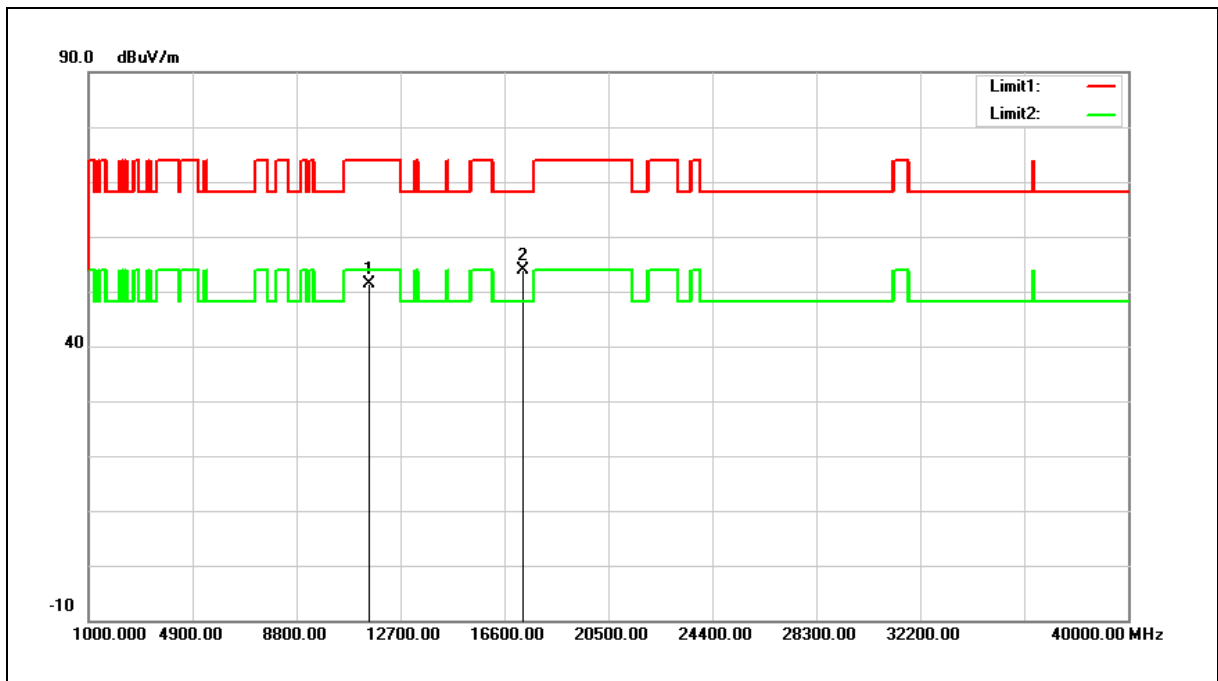
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	44.86	5.71	50.57	74.00	-23.43	peak
2	17325.000	43.43	10.84	54.27	68.20	-13.93	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



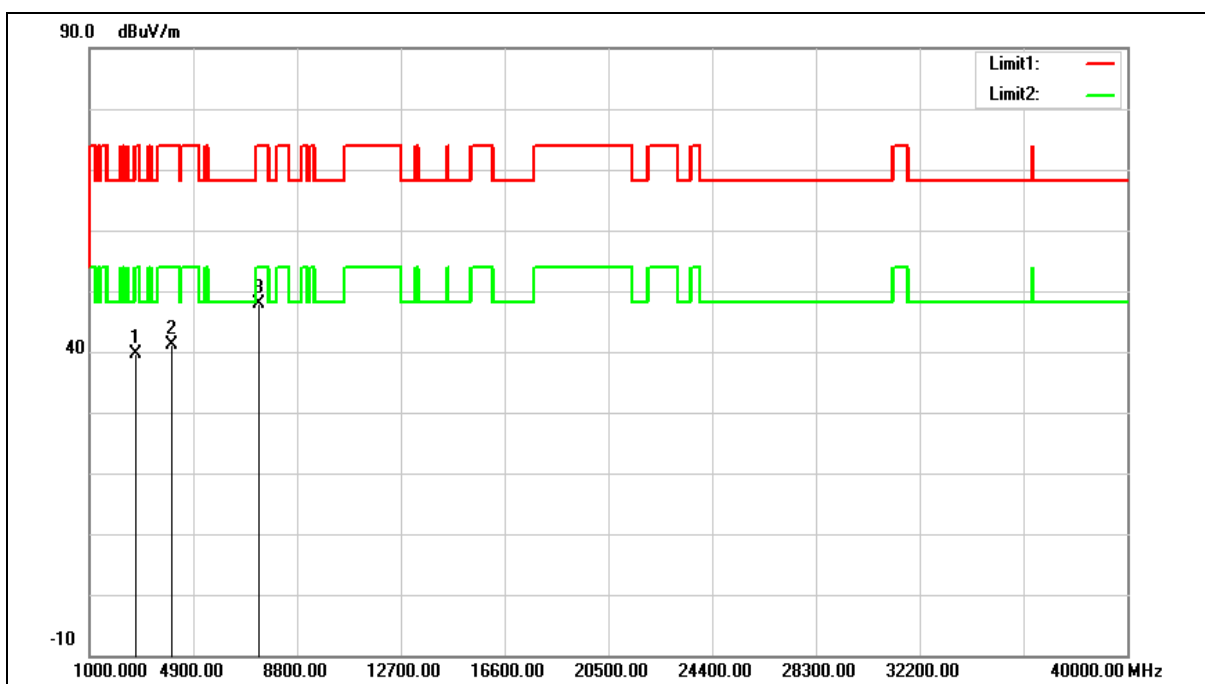
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	45.73	5.71	51.44	74.00	-22.56	peak
2	17325.000	43.08	10.84	53.92	68.20	-14.28	peak

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:	Transmitter Unwanted Emissions		
Test Mode:	Simultaneous Transmitting (DTS+NII)		
Ant.Polar.:	Horizontal		



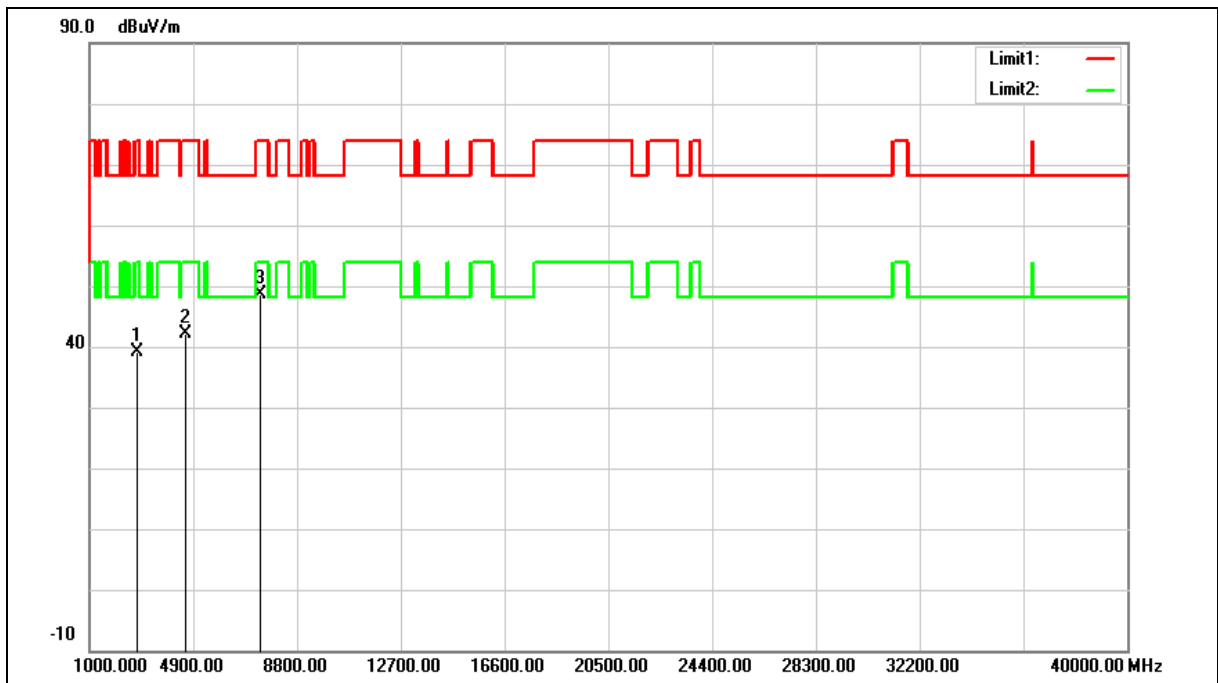
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	52.91	-13.22	39.69	74.00	-34.31	peak
2	4077.000	51.12	-10.11	41.01	74.00	-32.99	peak
3	7375.000	48.30	-0.44	47.86	74.00	-26.14	peak

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:	Transmitter Unwanted Emissions		
Test Mode:	Simultaneous Transmitting (DTS+NII)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	52.27	-13.07	39.20	74.00	-34.80	peak
2	4621.000	51.20	-9.14	42.06	74.00	-31.94	peak
3	7426.000	48.77	-0.20	48.57	74.00	-25.43	peak

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

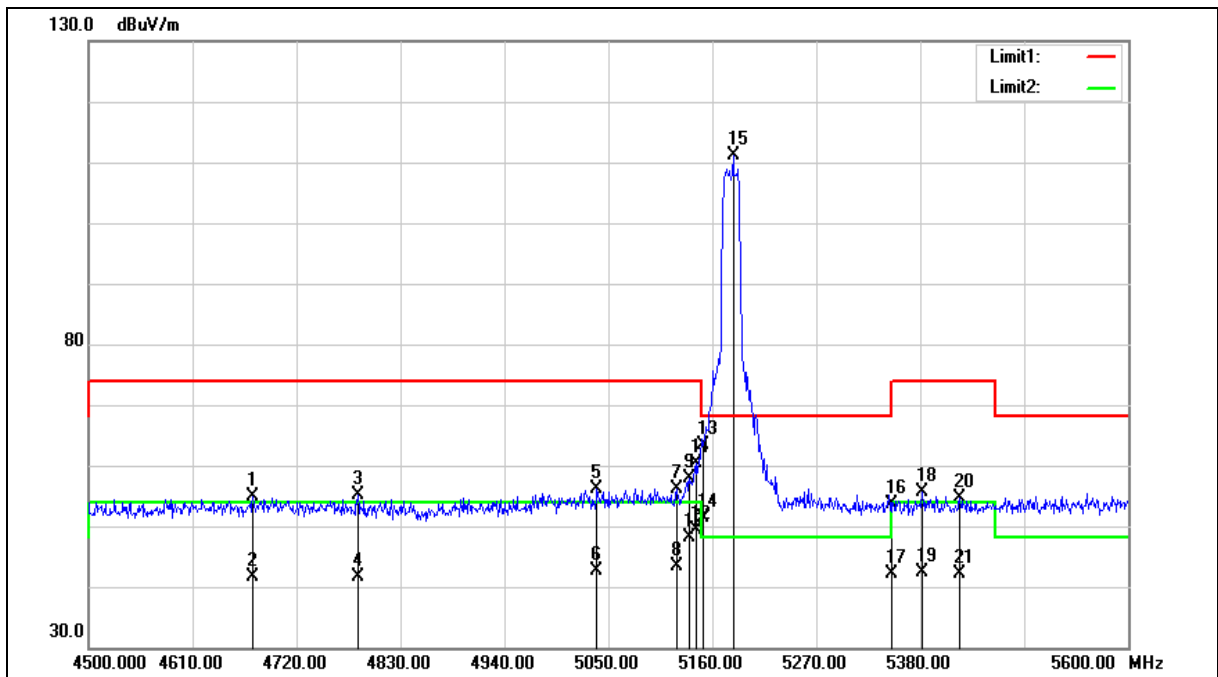
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
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	4673.800	52.31	2.47	54.78	74.00	-19.22	peak
2	4673.800	39.27	2.47	41.74	54.00	-12.26	AVG
3	4784.900	52.29	2.75	55.04	74.00	-18.96	peak
4	4784.900	38.83	2.75	41.58	54.00	-12.42	AVG
5	5037.900	52.87	3.32	56.19	74.00	-17.81	peak
6	5037.900	39.41	3.32	42.73	54.00	-11.27	AVG
7	5122.600	52.78	3.43	56.21	74.00	-17.79	peak
8	5122.600	39.91	3.43	43.34	54.00	-10.66	AVG
9	5135.800	54.51	3.46	57.97	74.00	-16.03	peak
10	5135.800	44.68	3.46	48.14	54.00	-5.86	AVG
11	5143.500	56.82	3.46	60.28	74.00	-13.72	peak
12	5143.500	45.96	3.46	49.42	54.00	-4.58	AVG
13	5150.000	59.80	3.47	63.27	74.00	-10.73	peak
14	5150.000	47.99	3.47	51.46	54.00	-2.54	AVG
15	5182.000	107.56	3.52	111.08	--	--	peak
16	5350.000	50.02	3.73	53.75	74.00	-20.25	peak
17	5350.000	38.49	3.73	42.22	54.00	-11.78	AVG
18	5382.200	51.88	3.78	55.66	74.00	-18.34	peak
19	5382.200	38.60	3.78	42.38	54.00	-11.62	AVG
20	5421.800	50.69	3.83	54.52	74.00	-19.48	peak
21	5421.800	38.36	3.83	42.19	54.00	-11.81	AVG

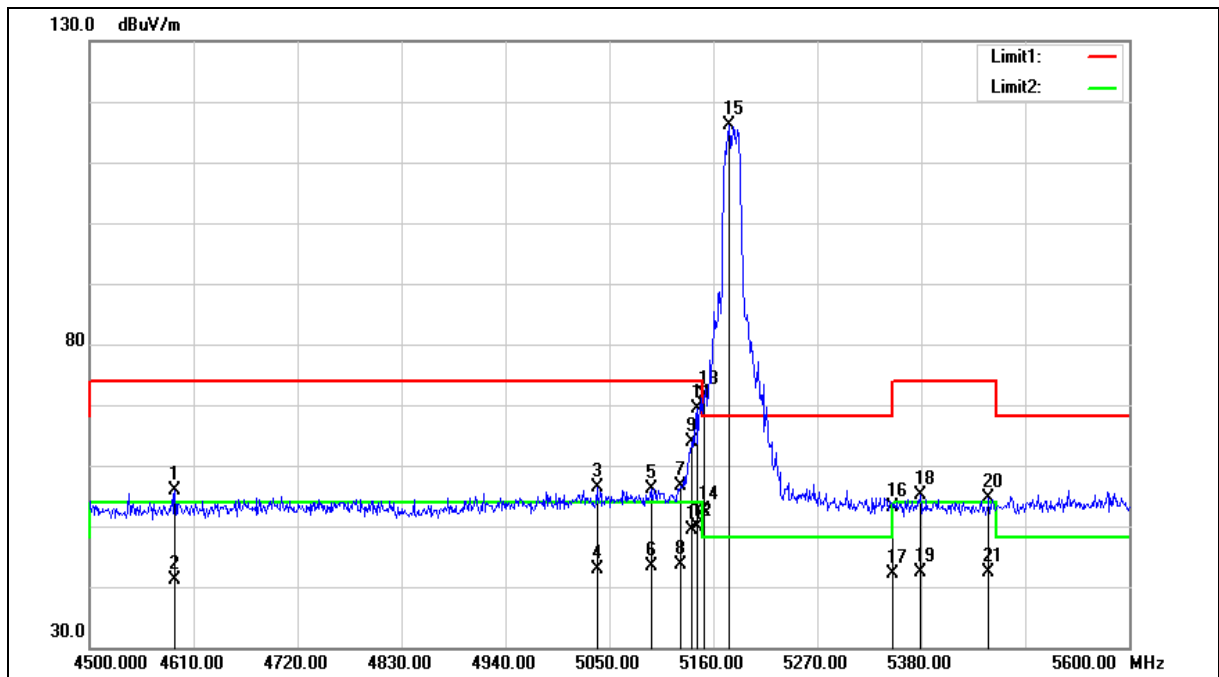
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4590.200	53.57	2.26	55.83	74.00	-18.17	peak
2	4590.200	38.94	2.26	41.20	54.00	-12.80	AVG
3	5036.800	52.95	3.32	56.27	74.00	-17.73	peak
4	5036.800	39.45	3.32	42.77	54.00	-11.23	AVG
5	5094.000	52.77	3.40	56.17	74.00	-17.83	peak
6	5094.000	39.93	3.40	43.33	54.00	-10.67	AVG
7	5124.800	53.22	3.43	56.65	74.00	-17.35	peak
8	5124.800	40.10	3.43	43.53	54.00	-10.47	AVG
9	5136.900	60.34	3.46	63.80	74.00	-10.20	peak
10	5136.900	45.89	3.46	49.35	54.00	-4.65	AVG
11	5142.400	65.85	3.46	69.31	74.00	-4.69	peak
12	5142.400	46.34	3.46	49.80	54.00	-4.20	AVG
13	5150.000	68.17	3.47	71.64	74.00	-2.36	peak
14	5150.000	49.08	3.47	52.55	54.00	-1.45	AVG
15	5176.500	112.58	3.50	116.08	--	--	peak
16	5350.000	49.46	3.73	53.19	74.00	-20.81	peak
17	5350.000	38.49	3.73	42.22	54.00	-11.78	AVG
18	5378.900	51.43	3.77	55.20	74.00	-18.80	peak
19	5378.900	38.49	3.77	42.26	54.00	-11.74	AVG
20	5451.500	50.69	3.87	54.56	74.00	-19.44	peak
21	5451.500	38.44	3.87	42.31	54.00	-11.69	AVG

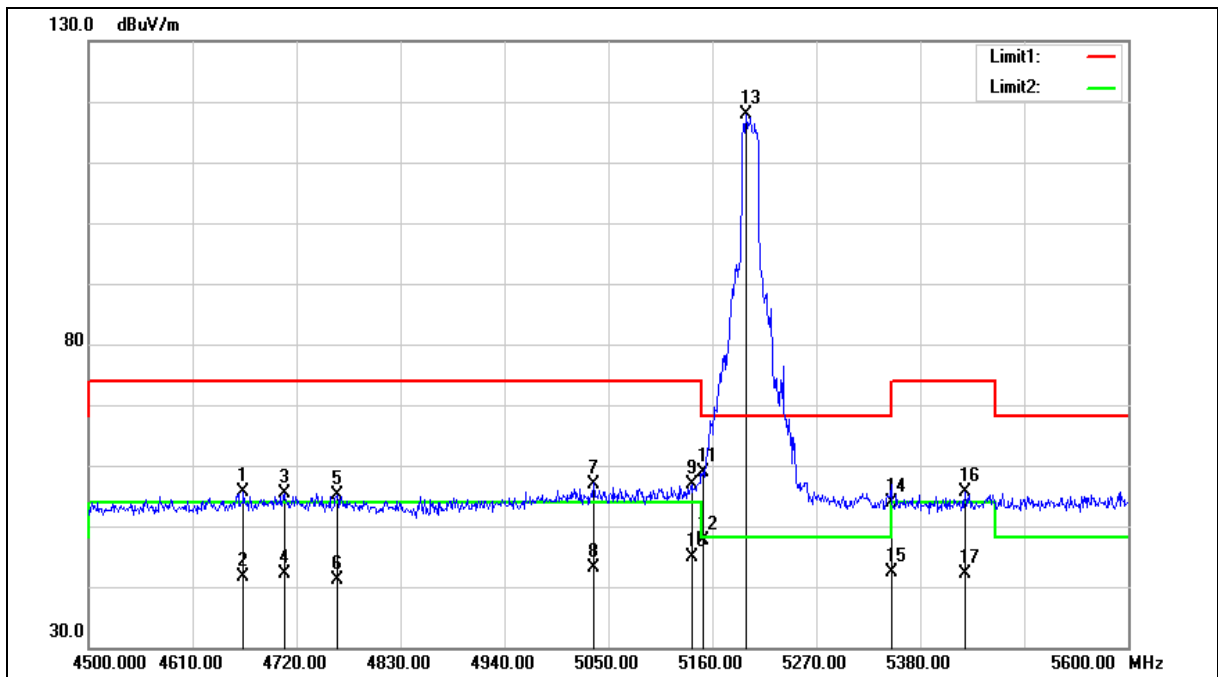
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4663.900	53.14	2.46	55.60	74.00	-18.40	peak
2	4663.900	39.22	2.46	41.68	54.00	-12.32	AVG
3	4706.800	52.76	2.55	55.31	74.00	-18.69	peak
4	4706.800	39.68	2.55	42.23	54.00	-11.77	AVG
5	4762.900	52.37	2.69	55.06	74.00	-18.94	peak
6	4762.900	38.42	2.69	41.11	54.00	-12.89	AVG
7	5034.600	53.68	3.32	57.00	74.00	-17.00	peak
8	5034.600	39.78	3.32	43.10	54.00	-10.90	AVG
9	5138.000	53.45	3.46	56.91	74.00	-17.09	peak
10	5138.000	41.45	3.46	44.91	54.00	-9.09	AVG
11	5150.000	55.37	3.47	58.84	74.00	-15.16	peak
12	5150.000	44.06	3.47	47.53	54.00	-6.47	AVG
13	5195.200	114.31	3.53	117.84	--	--	peak
14	5350.000	50.24	3.73	53.97	74.00	-20.03	peak
15	5350.000	38.67	3.73	42.40	54.00	-11.60	AVG
16	5427.300	51.86	3.84	55.70	74.00	-18.30	peak
17	5427.300	38.34	3.84	42.18	54.00	-11.82	AVG

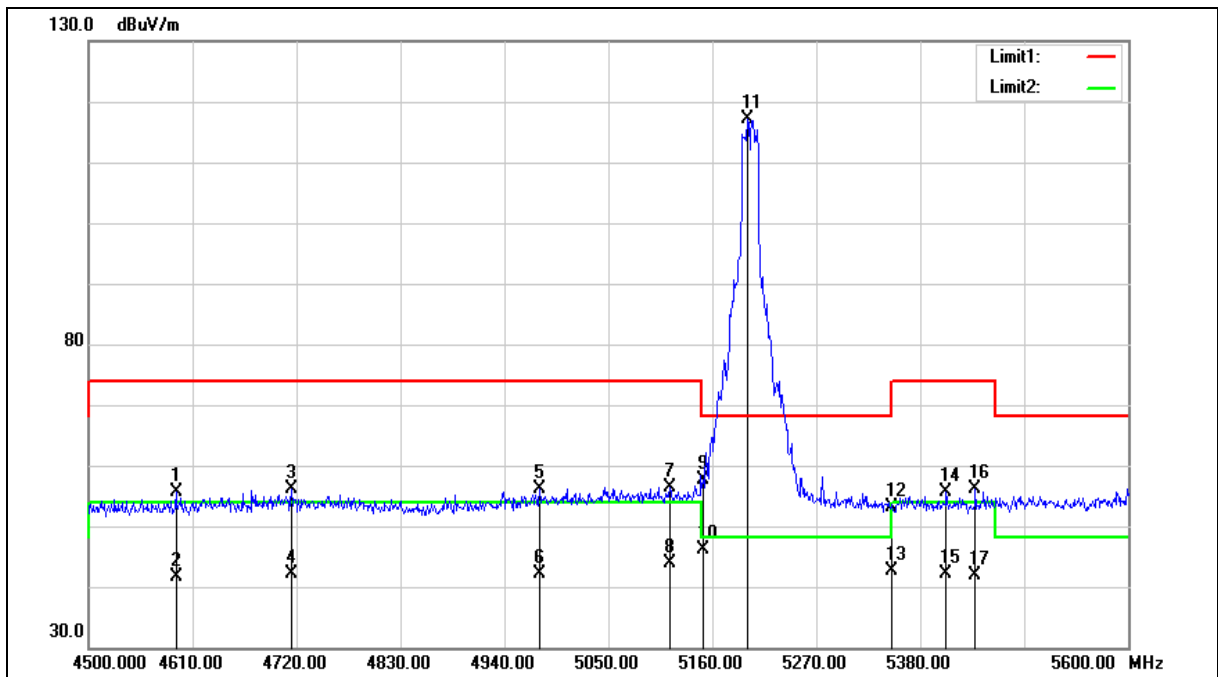
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4592.400	53.41	2.27	55.68	74.00	-18.32	peak
2	4592.400	39.27	2.27	41.54	54.00	-12.46	AVG
3	4714.500	53.49	2.57	56.06	74.00	-17.94	peak
4	4714.500	39.67	2.57	42.24	54.00	-11.76	AVG
5	4977.400	53.03	3.22	56.25	74.00	-17.75	peak
6	4977.400	38.91	3.22	42.13	54.00	-11.87	AVG
7	5114.900	52.95	3.42	56.37	74.00	-17.63	peak
8	5114.900	40.53	3.42	43.95	54.00	-10.05	AVG
9	5150.000	54.08	3.47	57.55	74.00	-16.45	peak
10	5150.000	42.56	3.47	46.03	54.00	-7.97	AVG
11	5197.400	113.56	3.53	117.09	--	--	peak
12	5350.000	49.44	3.73	53.17	74.00	-20.83	peak
13	5350.000	38.78	3.73	42.51	54.00	-11.49	AVG
14	5407.500	51.83	3.82	55.65	74.00	-18.35	peak
15	5407.500	38.33	3.82	42.15	54.00	-11.85	AVG
16	5438.300	52.20	3.85	56.05	74.00	-17.95	peak
17	5438.300	38.10	3.85	41.95	54.00	-12.05	AVG

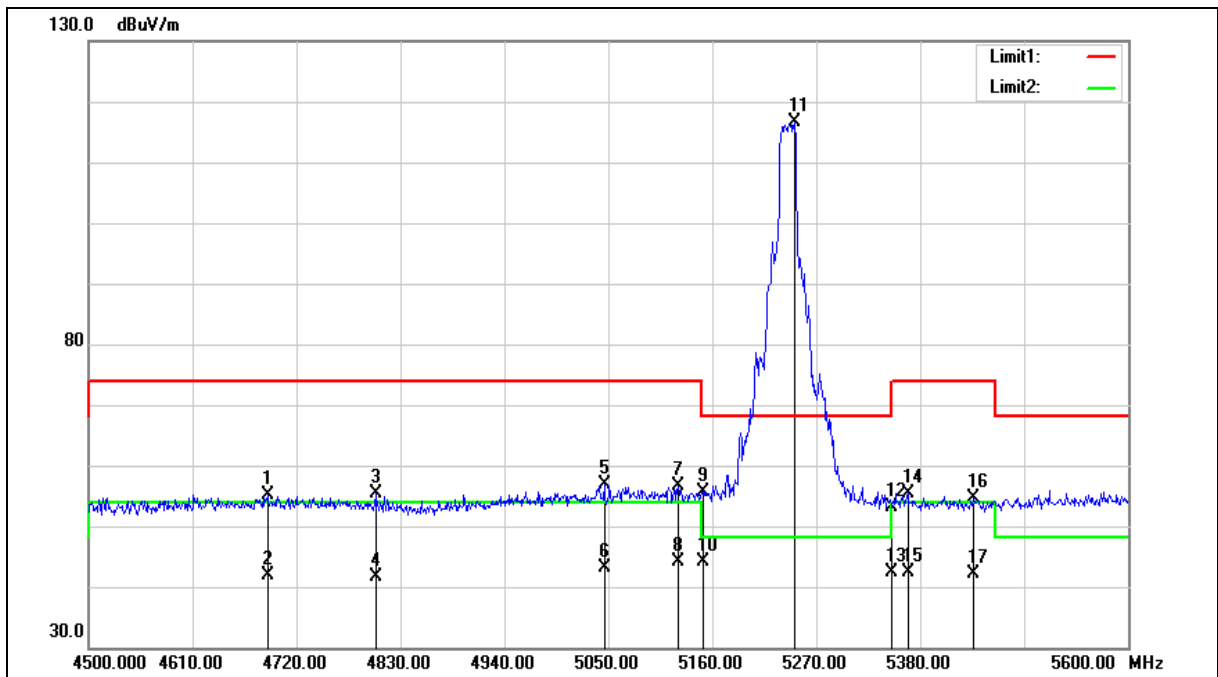
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5240MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4689.200	52.53	2.51	55.04	74.00	-18.96	peak
2	4689.200	39.49	2.51	42.00	54.00	-12.00	AVG
3	4803.600	52.66	2.80	55.46	74.00	-18.54	peak
4	4803.600	38.81	2.80	41.61	54.00	-12.39	AVG
5	5045.600	53.51	3.33	56.84	74.00	-17.16	peak
6	5045.600	39.74	3.33	43.07	54.00	-10.93	AVG
7	5123.700	53.25	3.43	56.68	74.00	-17.32	peak
8	5123.700	40.63	3.43	44.06	54.00	-9.94	AVG
9	5150.000	52.15	3.47	55.62	74.00	-18.38	peak
10	5150.000	40.73	3.47	44.20	54.00	-9.80	AVG
11	5246.900	113.01	3.60	116.61	--	--	peak
12	5350.000	49.47	3.73	53.20	74.00	-20.80	peak
13	5350.000	38.74	3.73	42.47	54.00	-11.53	AVG
14	5366.800	51.71	3.75	55.46	74.00	-18.54	peak
15	5366.800	38.75	3.75	42.50	54.00	-11.50	AVG
16	5436.100	50.88	3.85	54.73	74.00	-19.27	peak
17	5436.100	38.17	3.85	42.02	54.00	-11.98	AVG

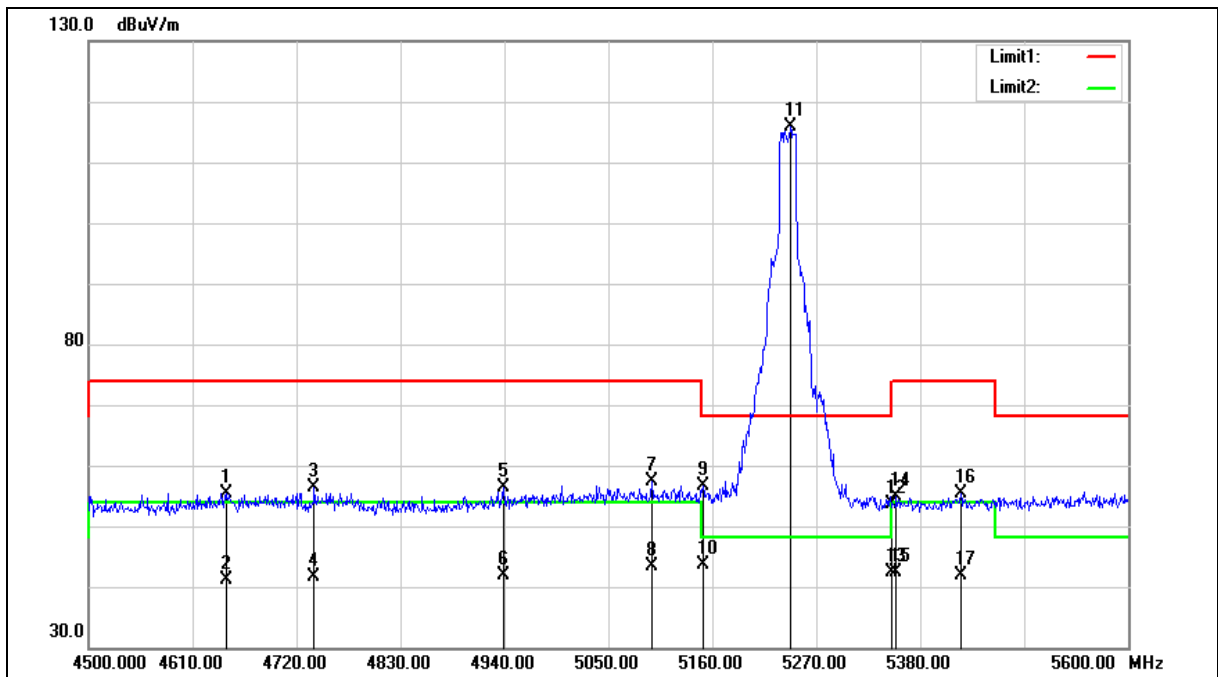
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4645.200	52.96	2.40	55.36	74.00	-18.64	peak
2	4645.200	38.82	2.40	41.22	54.00	-12.78	AVG
3	4738.700	53.77	2.63	56.40	74.00	-17.60	peak
4	4738.700	39.09	2.63	41.72	54.00	-12.28	AVG
5	4938.900	53.17	3.12	56.29	74.00	-17.71	peak
6	4938.900	38.83	3.12	41.95	54.00	-12.05	AVG
7	5096.200	53.90	3.40	57.30	74.00	-16.70	peak
8	5096.200	39.91	3.40	43.31	54.00	-10.69	AVG
9	5150.000	53.12	3.47	56.59	74.00	-17.41	peak
10	5150.000	40.09	3.47	43.56	54.00	-10.44	AVG
11	5242.500	112.21	3.59	115.80	--	--	peak
12	5350.000	49.94	3.73	53.67	74.00	-20.33	peak
13	5350.000	38.61	3.73	42.34	54.00	-11.66	AVG
14	5354.700	51.11	3.73	54.84	74.00	-19.16	peak
15	5354.700	38.57	3.73	42.30	54.00	-11.70	AVG
16	5422.900	51.64	3.83	55.47	74.00	-18.53	peak
17	5422.900	38.13	3.83	41.96	54.00	-12.04	AVG

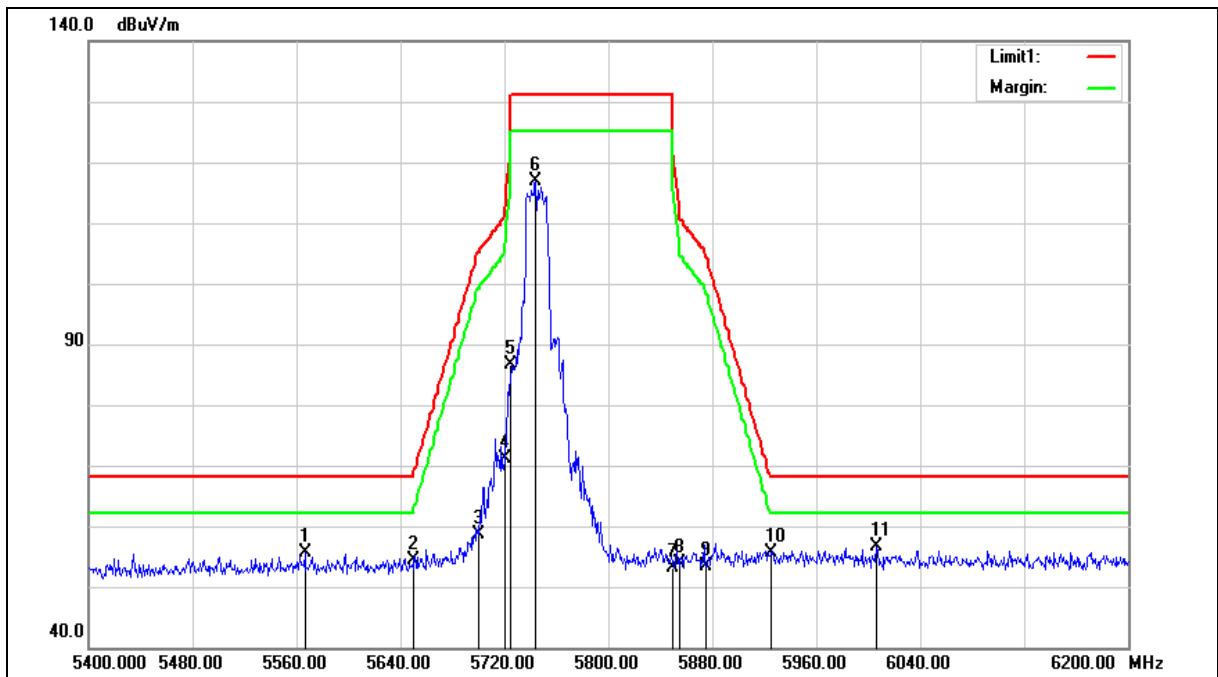
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5566.400	51.59	4.07	55.66	68.20	-12.54	peak
2	5650.000	50.24	4.24	54.48	68.20	-13.72	peak
3	5700.000	54.28	4.34	58.62	105.20	-46.58	peak
4	5720.000	66.86	4.38	71.24	110.80	-39.56	peak
5	5725.000	82.34	4.39	86.73	122.20	-35.47	peak
6	5744.000	112.54	4.43	116.97	--	--	peak
7	5850.000	48.54	4.65	53.19	122.20	-69.01	peak
8	5855.000	49.24	4.66	53.90	110.80	-56.90	peak
9	5875.000	48.69	4.70	53.39	105.20	-51.81	peak
10	5925.000	50.73	4.81	55.54	68.20	-12.66	peak
11	6006.400	51.60	4.98	56.58	68.20	-11.62	peak

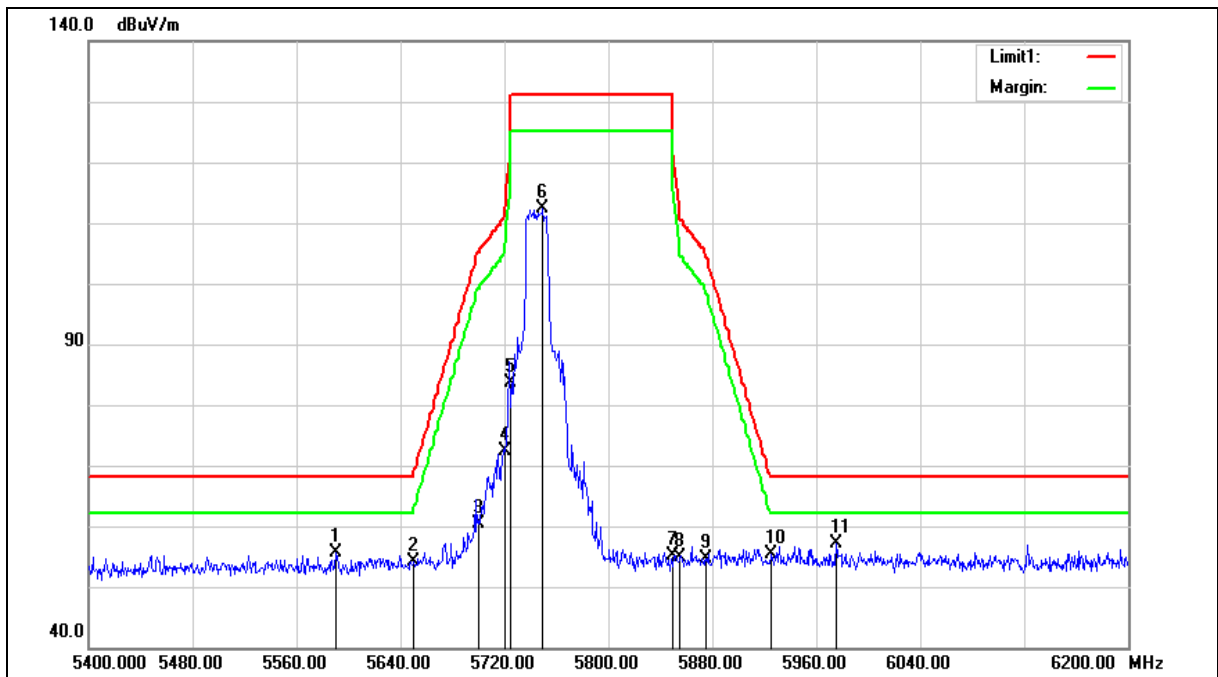
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5590.400	51.47	4.11	55.58	68.20	-12.62	peak
2	5650.000	49.93	4.24	54.17	68.20	-14.03	peak
3	5700.000	56.15	4.34	60.49	105.20	-44.71	peak
4	5720.000	67.93	4.38	72.31	110.80	-38.49	peak
5	5725.000	79.27	4.39	83.66	122.20	-38.54	peak
6	5749.600	107.85	4.44	112.29	--	--	peak
7	5850.000	50.42	4.65	55.07	122.20	-67.13	peak
8	5855.000	50.26	4.66	54.92	110.80	-55.88	peak
9	5875.000	49.82	4.70	54.52	105.20	-50.68	peak
10	5925.000	50.47	4.81	55.28	68.20	-12.92	peak
11	5975.200	52.13	4.91	57.04	68.20	-11.16	peak

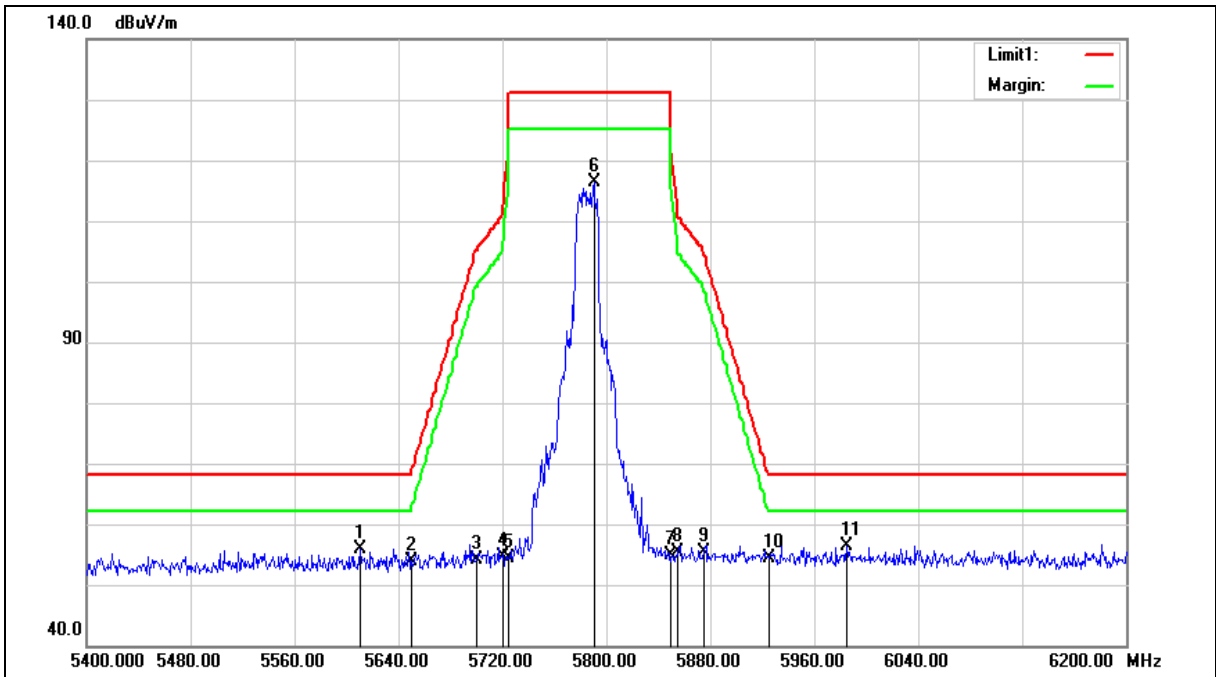
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5610.400	51.60	4.16	55.76	68.20	-12.44	peak
2	5650.000	49.72	4.24	53.96	68.20	-14.24	peak
3	5700.000	49.76	4.34	54.10	105.20	-51.10	peak
4	5720.000	50.17	4.38	54.55	110.80	-56.25	peak
5	5725.000	49.95	4.39	54.34	122.20	-67.86	peak
6	5790.400	111.75	4.52	116.27	--	--	peak
7	5850.000	50.19	4.65	54.84	122.20	-67.36	peak
8	5855.000	50.83	4.66	55.49	110.80	-55.31	peak
9	5875.000	50.59	4.70	55.29	105.20	-49.91	peak
10	5925.000	49.52	4.81	54.33	68.20	-13.87	peak
11	5984.800	51.43	4.93	56.36	68.20	-11.84	peak

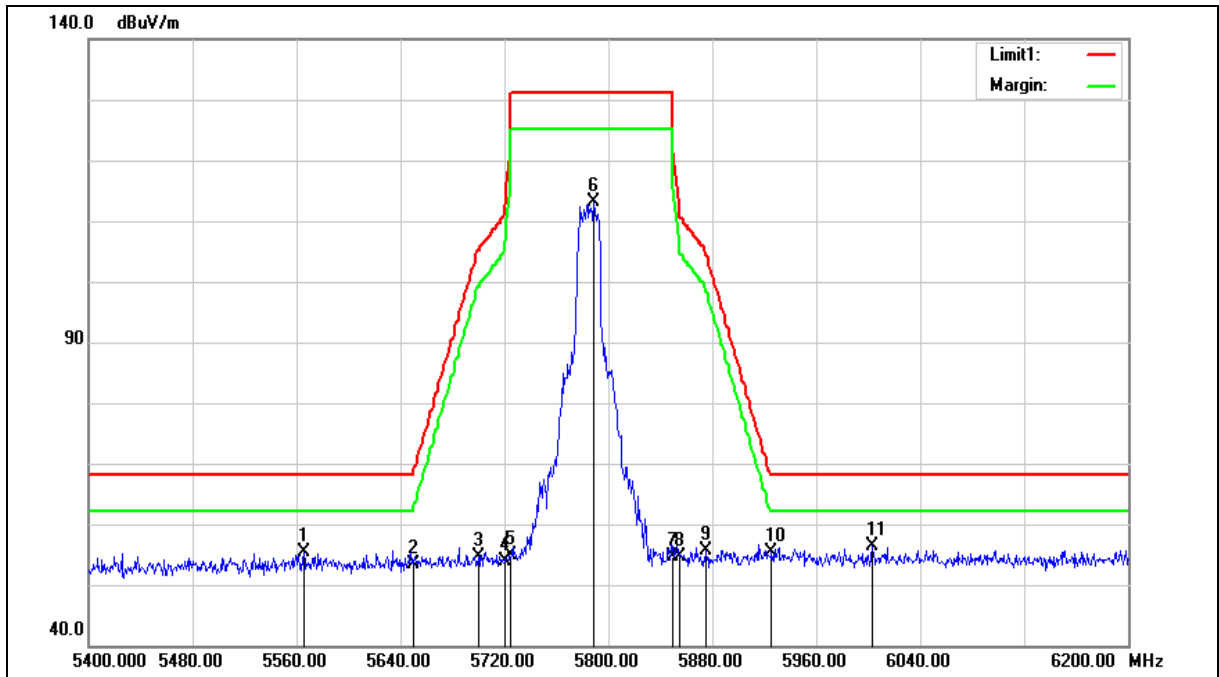
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5565.600	51.27	4.06	55.33	68.20	-12.87	peak
2	5650.000	49.26	4.24	53.50	68.20	-14.70	peak
3	5700.000	50.24	4.34	54.58	105.20	-50.62	peak
4	5720.000	49.58	4.38	53.96	110.80	-56.84	peak
5	5725.000	50.45	4.39	54.84	122.20	-67.36	peak
6	5788.800	108.58	4.52	113.10	--	--	peak
7	5850.000	49.88	4.65	54.53	122.20	-67.67	peak
8	5855.000	49.92	4.66	54.58	110.80	-56.22	peak
9	5875.000	51.01	4.70	55.71	105.20	-49.49	peak
10	5925.000	50.57	4.81	55.38	68.20	-12.82	peak
11	6003.200	51.40	4.97	56.37	68.20	-11.83	peak

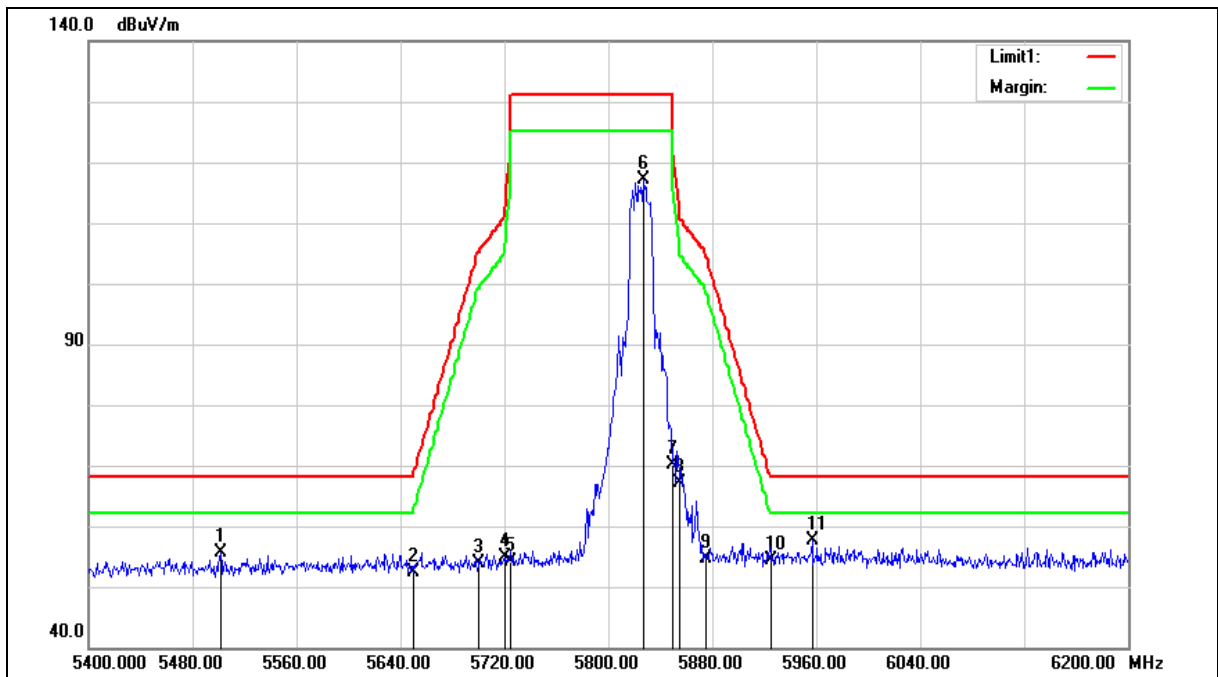
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5501.600	51.77	3.93	55.70	68.20	-12.50	peak
2	5650.000	48.04	4.24	52.28	68.20	-15.92	peak
3	5700.000	49.46	4.34	53.80	105.20	-51.40	peak
4	5720.000	50.54	4.38	54.92	110.80	-55.88	peak
5	5725.000	49.85	4.39	54.24	122.20	-67.96	peak
6	5827.200	112.49	4.60	117.09	--	--	peak
7	5850.000	65.55	4.65	70.20	122.20	-52.00	peak
8	5855.000	62.46	4.66	67.12	110.80	-43.68	peak
9	5875.000	49.88	4.70	54.58	105.20	-50.62	peak
10	5925.000	49.61	4.81	54.42	68.20	-13.78	peak
11	5956.800	52.66	4.87	57.53	68.20	-10.67	peak

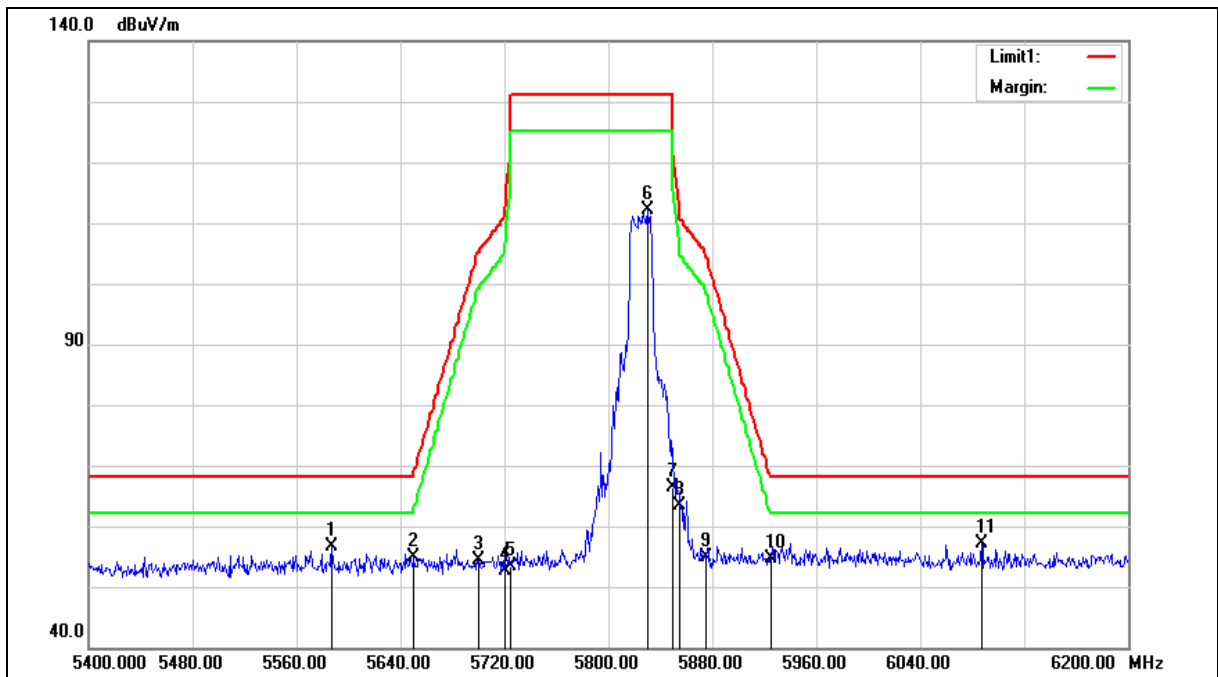
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5587.200	52.55	4.11	56.66	68.20	-11.54	peak
2	5650.000	50.66	4.24	54.90	68.20	-13.30	peak
3	5700.000	50.11	4.34	54.45	105.20	-50.75	peak
4	5720.000	48.17	4.38	52.55	110.80	-58.25	peak
5	5725.000	49.07	4.39	53.46	122.20	-68.74	peak
6	5830.400	107.43	4.61	112.04	--	--	peak
7	5850.000	61.78	4.65	66.43	122.20	-55.77	peak
8	5855.000	58.71	4.66	63.37	110.80	-47.43	peak
9	5875.000	50.15	4.70	54.85	105.20	-50.35	peak
10	5925.000	49.79	4.81	54.60	68.20	-13.60	peak
11	6087.200	51.99	5.24	57.23	68.20	-10.97	peak

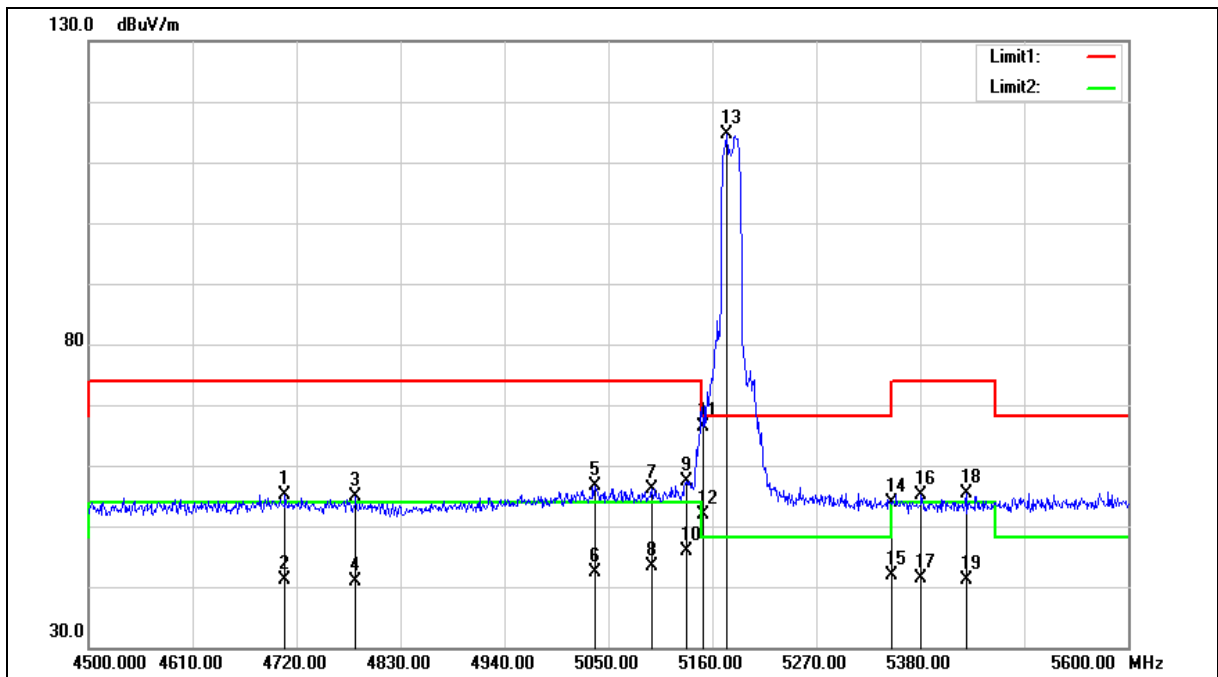
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
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	4707.900	52.63	2.55	55.18	74.00	-18.82	peak
2	4707.900	38.53	2.55	41.08	54.00	-12.92	AVG
3	4782.700	52.23	2.75	54.98	74.00	-19.02	peak
4	4782.700	38.05	2.75	40.80	54.00	-13.20	AVG
5	5035.700	53.21	3.32	56.53	74.00	-17.47	peak
6	5035.700	39.15	3.32	42.47	54.00	-11.53	AVG
7	5096.200	52.81	3.40	56.21	74.00	-17.79	peak
8	5096.200	39.90	3.40	43.30	54.00	-10.70	AVG
9	5132.500	53.99	3.45	57.44	74.00	-16.56	peak
10	5132.500	42.53	3.45	45.98	54.00	-8.02	AVG
11	5150.000	63.00	3.47	66.47	74.00	-7.53	peak
12	5150.000	48.39	3.47	51.86	54.00	-2.14	AVG
13	5175.400	111.18	3.50	114.68	--	--	peak
14	5350.000	50.03	3.73	53.76	74.00	-20.24	peak
15	5350.000	38.18	3.73	41.91	54.00	-12.09	AVG
16	5381.100	51.30	3.77	55.07	74.00	-18.93	peak
17	5381.100	37.73	3.77	41.50	54.00	-12.50	AVG
18	5428.400	51.50	3.84	55.34	74.00	-18.66	peak
19	5428.400	37.27	3.84	41.11	54.00	-12.89	AVG

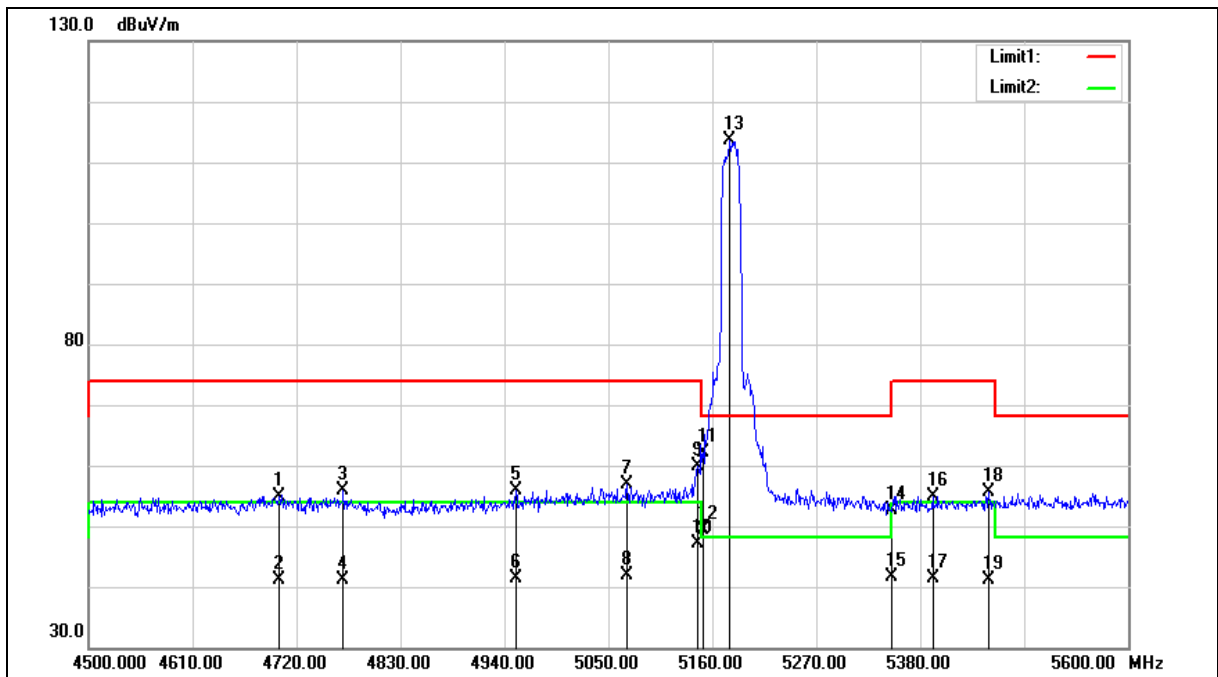
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
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	4701.300	52.39	2.54	54.93	74.00	-19.07	peak
2	4701.300	38.61	2.54	41.15	54.00	-12.85	AVG
3	4769.500	53.05	2.71	55.76	74.00	-18.24	peak
4	4769.500	38.51	2.71	41.22	54.00	-12.78	AVG
5	4952.100	52.79	3.15	55.94	74.00	-18.06	peak
6	4952.100	38.12	3.15	41.27	54.00	-12.73	AVG
7	5069.800	53.47	3.36	56.83	74.00	-17.17	peak
8	5069.800	38.45	3.36	41.81	54.00	-12.19	AVG
9	5144.600	56.34	3.47	59.81	74.00	-14.19	peak
10	5144.600	43.73	3.47	47.20	54.00	-6.80	AVG
11	5150.000	58.63	3.47	62.10	74.00	-11.90	peak
12	5150.000	45.82	3.47	49.29	54.00	-4.71	AVG
13	5178.700	110.16	3.51	113.67	--	--	peak
14	5350.000	48.99	3.73	52.72	74.00	-21.28	peak
15	5350.000	37.83	3.73	41.56	54.00	-12.44	AVG
16	5393.200	51.18	3.79	54.97	74.00	-19.03	peak
17	5393.200	37.47	3.79	41.26	54.00	-12.74	AVG
18	5452.600	51.71	3.87	55.58	74.00	-18.42	peak
19	5452.600	37.26	3.87	41.13	54.00	-12.87	AVG

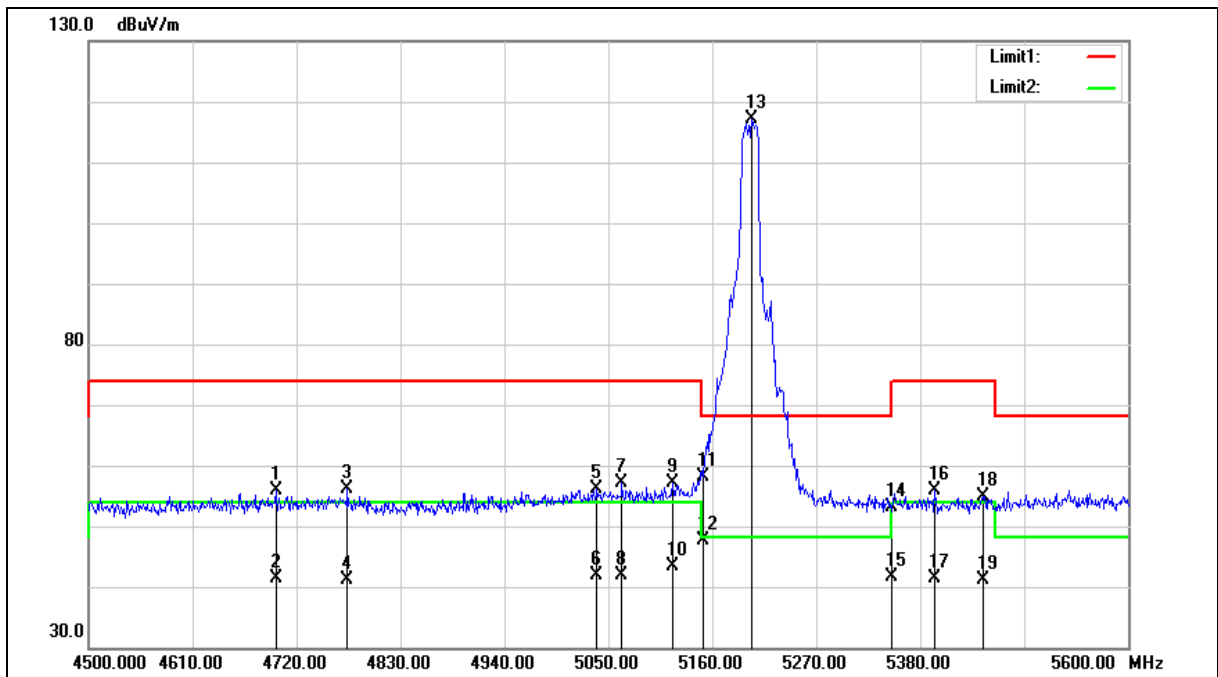
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4698.000	53.37	2.54	55.91	74.00	-18.09	peak
2	4698.000	38.74	2.54	41.28	54.00	-12.72	AVG
3	4773.900	53.44	2.71	56.15	74.00	-17.85	peak
4	4773.900	38.53	2.71	41.24	54.00	-12.76	AVG
5	5037.900	52.81	3.32	56.13	74.00	-17.87	peak
6	5037.900	38.49	3.32	41.81	54.00	-12.19	AVG
7	5064.300	53.86	3.35	57.21	74.00	-16.79	peak
8	5064.300	38.59	3.35	41.94	54.00	-12.06	AVG
9	5118.200	53.73	3.42	57.15	74.00	-16.85	peak
10	5118.200	39.92	3.42	43.34	54.00	-10.66	AVG
11	5150.000	54.66	3.47	58.13	74.00	-15.87	peak
12	5150.000	44.18	3.47	47.65	54.00	-6.35	AVG
13	5201.800	113.55	3.54	117.09	--	--	peak
14	5350.000	49.38	3.73	53.11	74.00	-20.89	peak
15	5350.000	37.88	3.73	41.61	54.00	-12.39	AVG
16	5395.400	52.16	3.80	55.96	74.00	-18.04	peak
17	5395.400	37.47	3.80	41.27	54.00	-12.73	AVG
18	5446.000	51.09	3.86	54.95	74.00	-19.05	peak
19	5446.000	37.28	3.86	41.14	54.00	-12.86	AVG

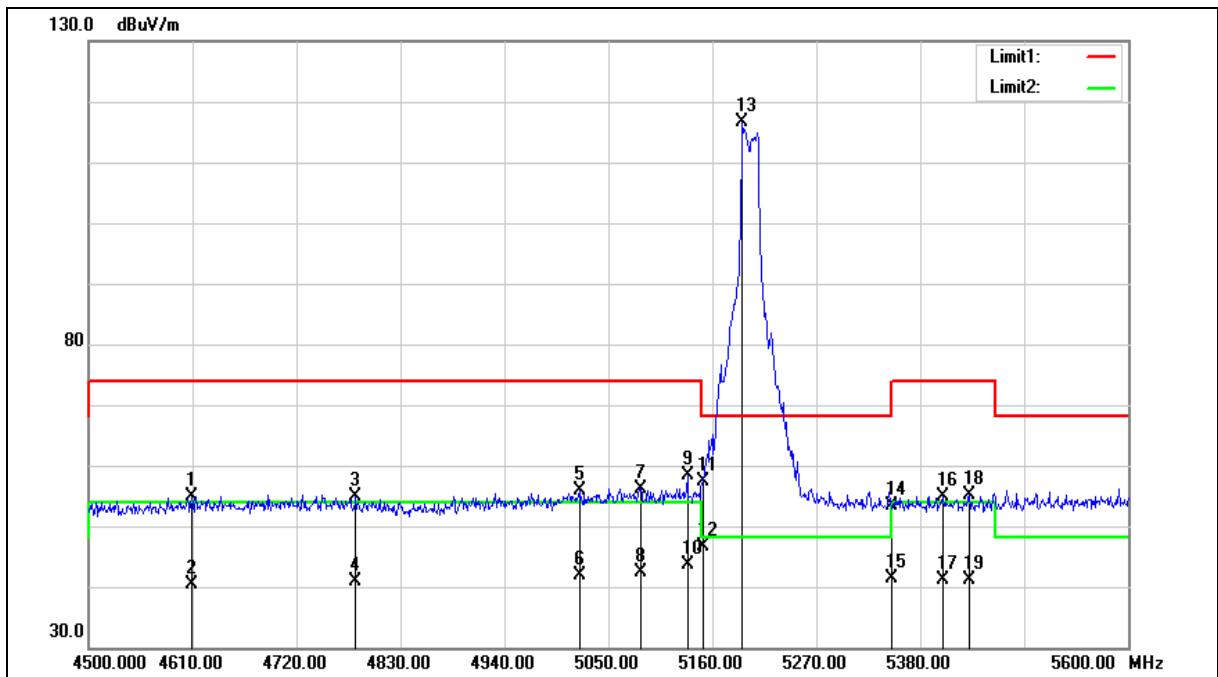
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4608.900	52.63	2.32	54.95	74.00	-19.05	peak
2	4608.900	38.04	2.32	40.36	54.00	-13.64	AVG
3	4782.700	52.05	2.75	54.80	74.00	-19.20	peak
4	4782.700	38.02	2.75	40.77	54.00	-13.23	AVG
5	5019.200	52.51	3.30	55.81	74.00	-18.19	peak
6	5019.200	38.51	3.30	41.81	54.00	-12.19	AVG
7	5084.100	52.68	3.38	56.06	74.00	-17.94	peak
8	5084.100	39.05	3.38	42.43	54.00	-11.57	AVG
9	5133.600	54.90	3.45	58.35	74.00	-15.65	peak
10	5133.600	40.13	3.45	43.58	54.00	-10.42	AVG
11	5150.000	53.93	3.47	57.40	74.00	-16.60	peak
12	5150.000	43.06	3.47	46.53	54.00	-7.47	AVG
13	5191.900	113.19	3.52	116.71	--	--	peak
14	5350.000	49.69	3.73	53.42	74.00	-20.58	peak
15	5350.000	37.73	3.73	41.46	54.00	-12.54	AVG
16	5404.200	51.20	3.80	55.00	74.00	-19.00	peak
17	5404.200	37.34	3.80	41.14	54.00	-12.86	AVG
18	5431.700	51.22	3.85	55.07	74.00	-18.93	peak
19	5431.700	37.24	3.85	41.09	54.00	-12.91	AVG

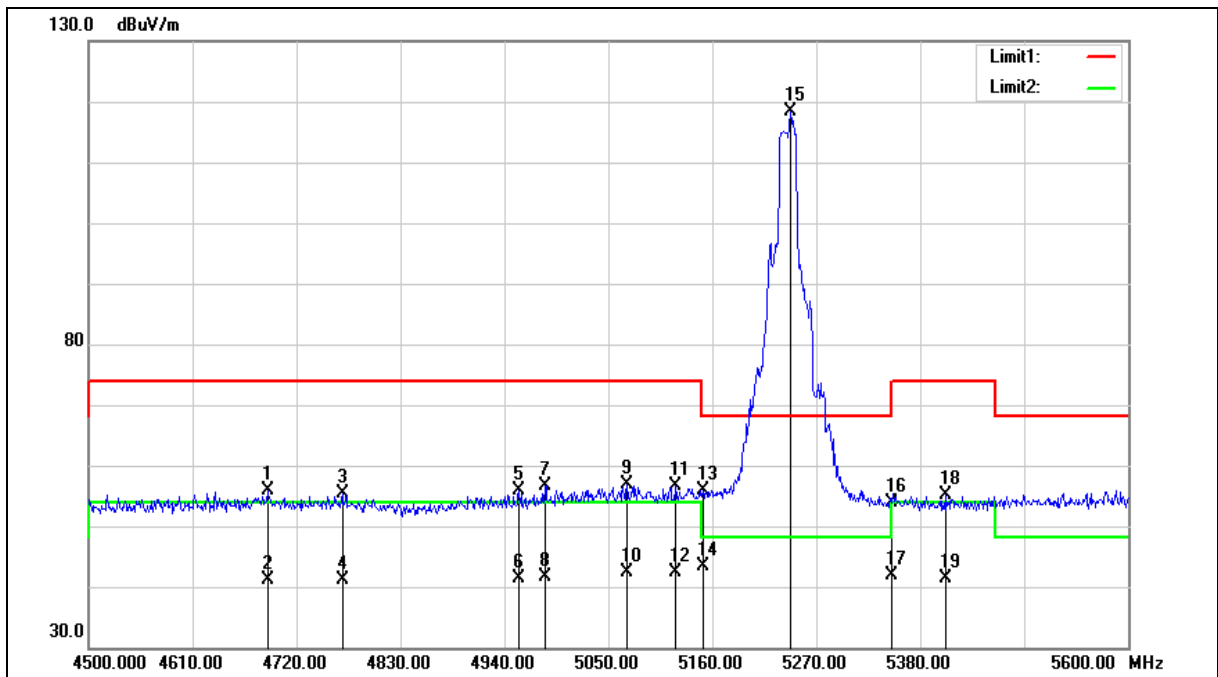
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4689.200	53.36	2.51	55.87	74.00	-18.13	peak
2	4689.200	38.70	2.51	41.21	54.00	-12.79	AVG
3	4768.400	52.56	2.70	55.26	74.00	-18.74	peak
4	4768.400	38.55	2.70	41.25	54.00	-12.75	AVG
5	4955.400	52.71	3.16	55.87	74.00	-18.13	peak
6	4955.400	38.16	3.16	41.32	54.00	-12.68	AVG
7	4982.900	53.47	3.23	56.70	74.00	-17.30	peak
8	4982.900	38.30	3.23	41.53	54.00	-12.47	AVG
9	5069.800	53.57	3.36	56.93	74.00	-17.07	peak
10	5069.800	39.09	3.36	42.45	54.00	-11.55	AVG
11	5121.500	53.22	3.43	56.65	74.00	-17.35	peak
12	5121.500	38.89	3.43	42.32	54.00	-11.68	AVG
13	5150.000	52.29	3.47	55.76	74.00	-18.24	peak
14	5150.000	40.02	3.47	43.49	54.00	-10.51	AVG
15	5242.500	114.82	3.59	118.41	--	--	peak
16	5350.000	50.24	3.73	53.97	74.00	-20.03	peak
17	5350.000	38.14	3.73	41.87	54.00	-12.13	AVG
18	5406.400	51.19	3.82	55.01	74.00	-18.99	peak
19	5406.400	37.51	3.82	41.33	54.00	-12.67	AVG

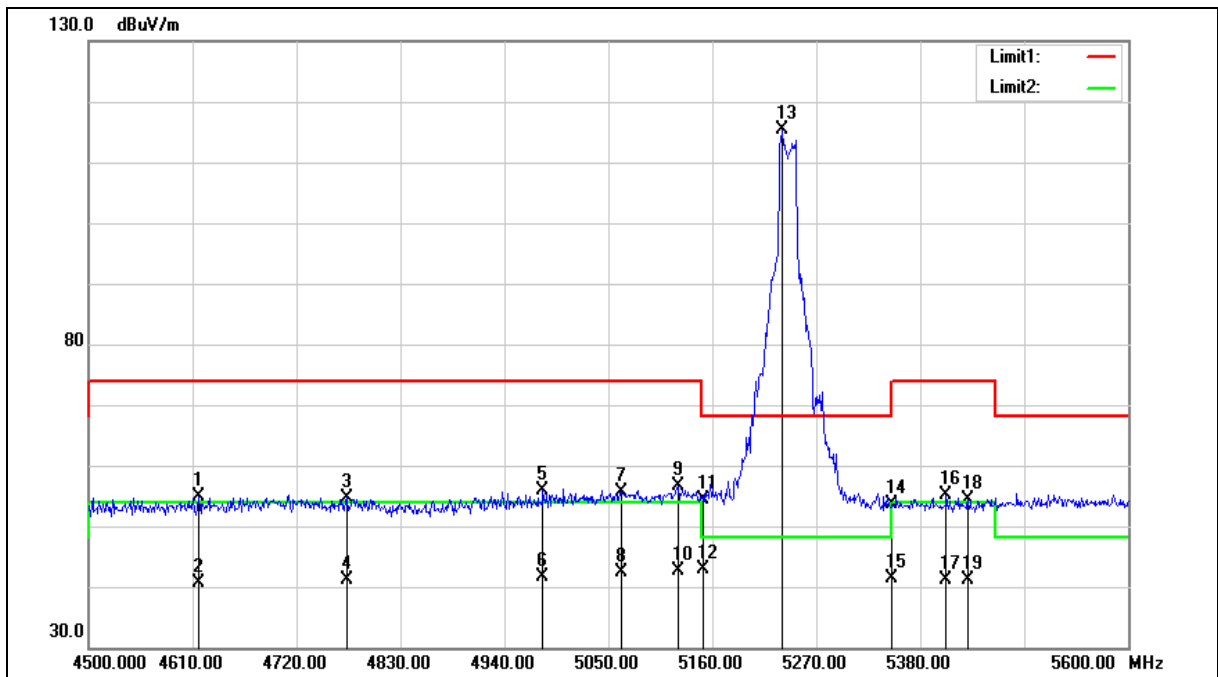
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4616.600	52.57	2.34	54.91	74.00	-19.09	peak
2	4616.600	38.39	2.34	40.73	54.00	-13.27	AVG
3	4772.800	52.04	2.71	54.75	74.00	-19.25	peak
4	4772.800	38.49	2.71	41.20	54.00	-12.80	AVG
5	4980.700	52.69	3.23	55.92	74.00	-18.08	peak
6	4980.700	38.30	3.23	41.53	54.00	-12.47	AVG
7	5063.200	52.40	3.35	55.75	74.00	-18.25	peak
8	5063.200	39.02	3.35	42.37	54.00	-11.63	AVG
9	5123.700	53.31	3.43	56.74	74.00	-17.26	peak
10	5123.700	39.08	3.43	42.51	54.00	-11.49	AVG
11	5150.000	50.92	3.47	54.39	74.00	-19.61	peak
12	5150.000	39.51	3.47	42.98	54.00	-11.02	AVG
13	5233.700	111.81	3.58	115.39	--	--	peak
14	5350.000	49.79	3.73	53.52	74.00	-20.48	peak
15	5350.000	37.60	3.73	41.33	54.00	-12.67	AVG
16	5407.500	51.31	3.82	55.13	74.00	-18.87	peak
17	5407.500	37.38	3.82	41.20	54.00	-12.80	AVG
18	5430.600	50.58	3.84	54.42	74.00	-19.58	peak
19	5430.600	37.29	3.84	41.13	54.00	-12.87	AVG

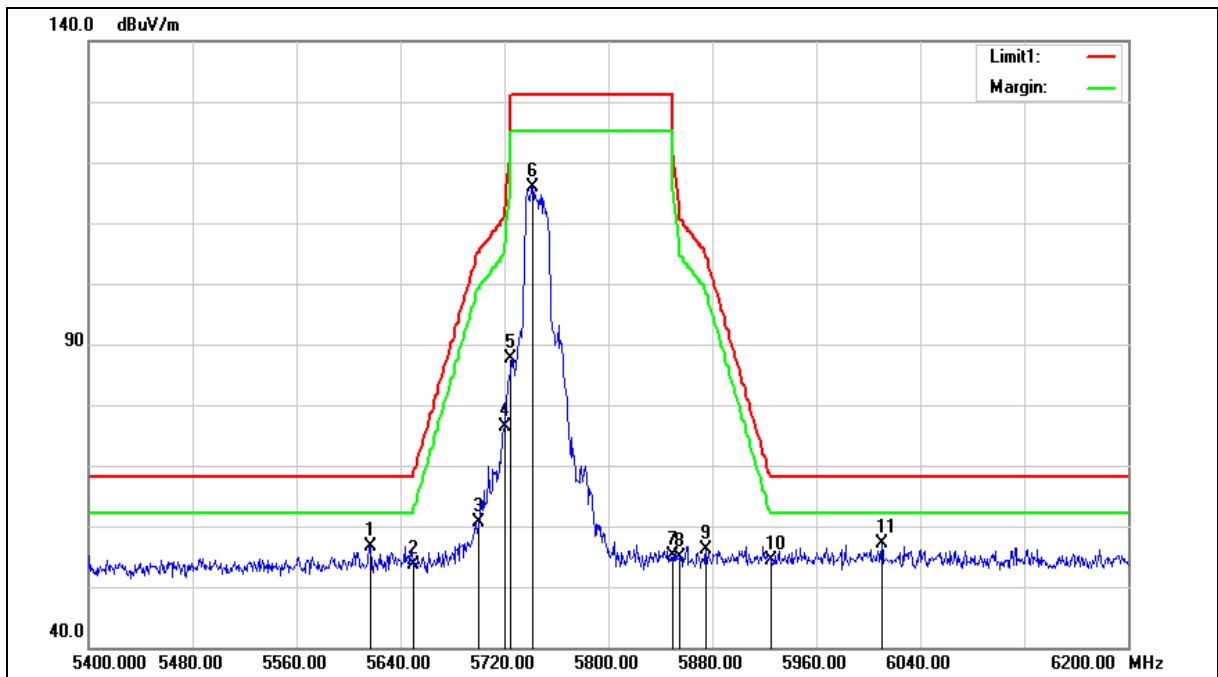
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5745MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5616.800	52.48	4.17	56.65	68.20	-11.55	peak
2	5650.000	49.40	4.24	53.64	68.20	-14.56	peak
3	5700.000	56.31	4.34	60.65	105.20	-44.55	peak
4	5720.000	71.93	4.38	76.31	110.80	-34.49	peak
5	5725.000	83.15	4.39	87.54	122.20	-34.66	peak
6	5741.600	111.56	4.43	115.99	--	--	peak
7	5850.000	50.41	4.65	55.06	122.20	-67.14	peak
8	5855.000	50.19	4.66	54.85	110.80	-55.95	peak
9	5875.000	51.36	4.70	56.06	105.20	-49.14	peak
10	5925.000	49.54	4.81	54.35	68.20	-13.85	peak
11	6010.400	52.13	4.99	57.12	68.20	-11.08	peak

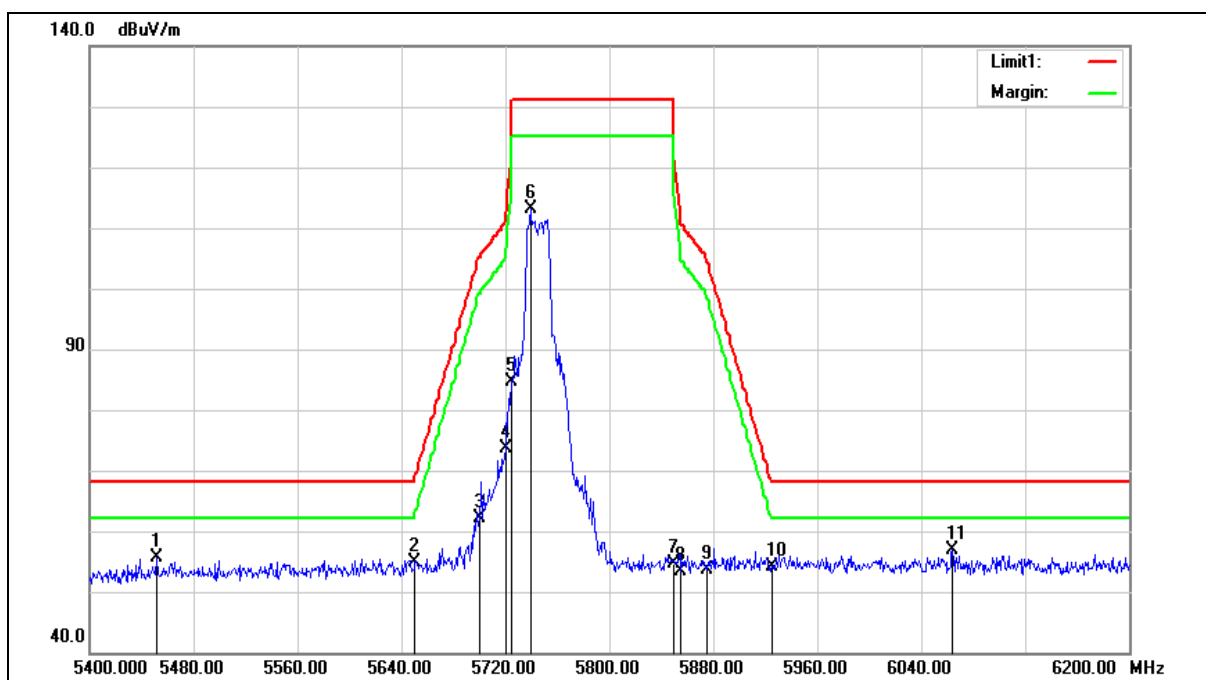
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5452.000	51.73	3.87	55.60	68.20	-12.60	peak
2	5650.000	50.74	4.24	54.98	68.20	-13.22	peak
3	5700.000	57.91	4.34	62.25	105.20	-42.95	peak
4	5720.000	69.14	4.38	73.52	110.80	-37.28	peak
5	5725.000	80.28	4.39	84.67	122.20	-37.53	peak
6	5739.200	108.62	4.42	113.04	--	--	peak
7	5850.000	50.10	4.65	54.75	122.20	-67.45	peak
8	5855.000	48.83	4.66	53.49	110.80	-57.31	peak
9	5875.000	48.98	4.70	53.68	105.20	-51.52	peak
10	5925.000	49.44	4.81	54.25	68.20	-13.95	peak
11	6064.000	51.61	5.17	56.78	68.20	-11.42	peak

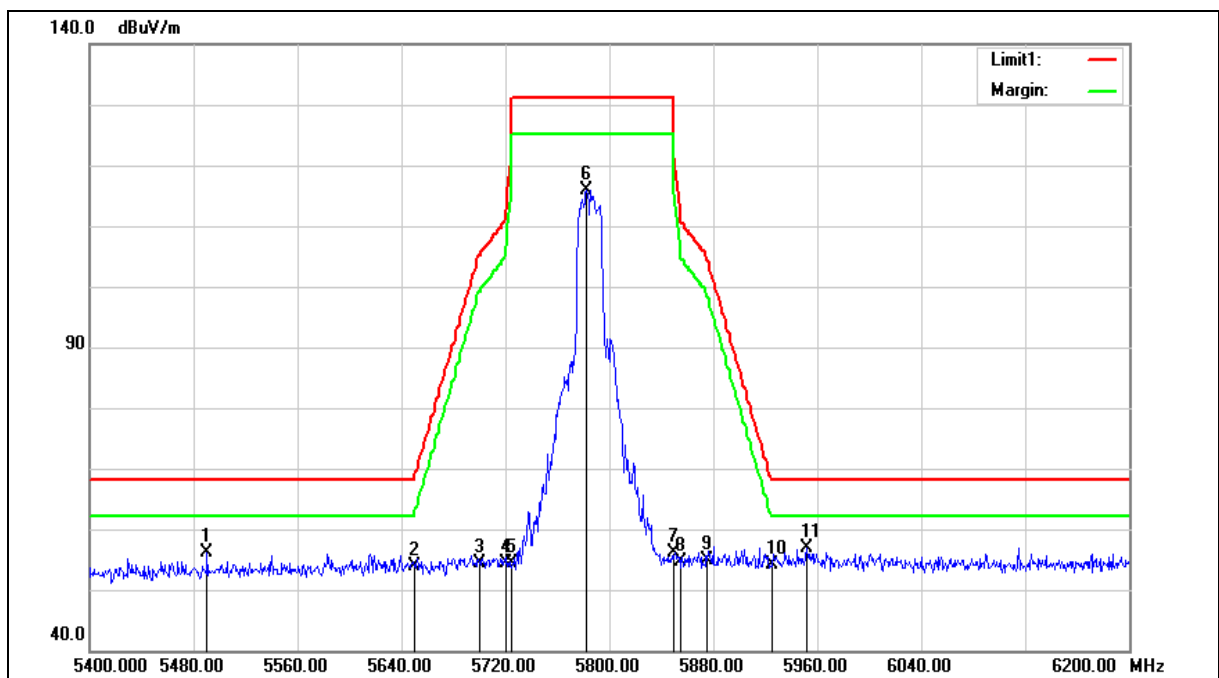
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5490.400	52.17	3.92	56.09	68.20	-12.11	peak
2	5650.000	49.52	4.24	53.76	68.20	-14.44	peak
3	5700.000	49.97	4.34	54.31	105.20	-50.89	peak
4	5720.000	49.89	4.38	54.27	110.80	-56.53	peak
5	5725.000	49.97	4.39	54.36	122.20	-67.84	peak
6	5782.400	111.35	4.51	115.86	--	--	peak
7	5850.000	51.58	4.65	56.23	122.20	-65.97	peak
8	5855.000	50.00	4.66	54.66	110.80	-56.14	peak
9	5875.000	50.28	4.70	54.98	105.20	-50.22	peak
10	5925.000	49.37	4.81	54.18	68.20	-14.02	peak
11	5952.000	52.13	4.86	56.99	68.20	-11.21	peak

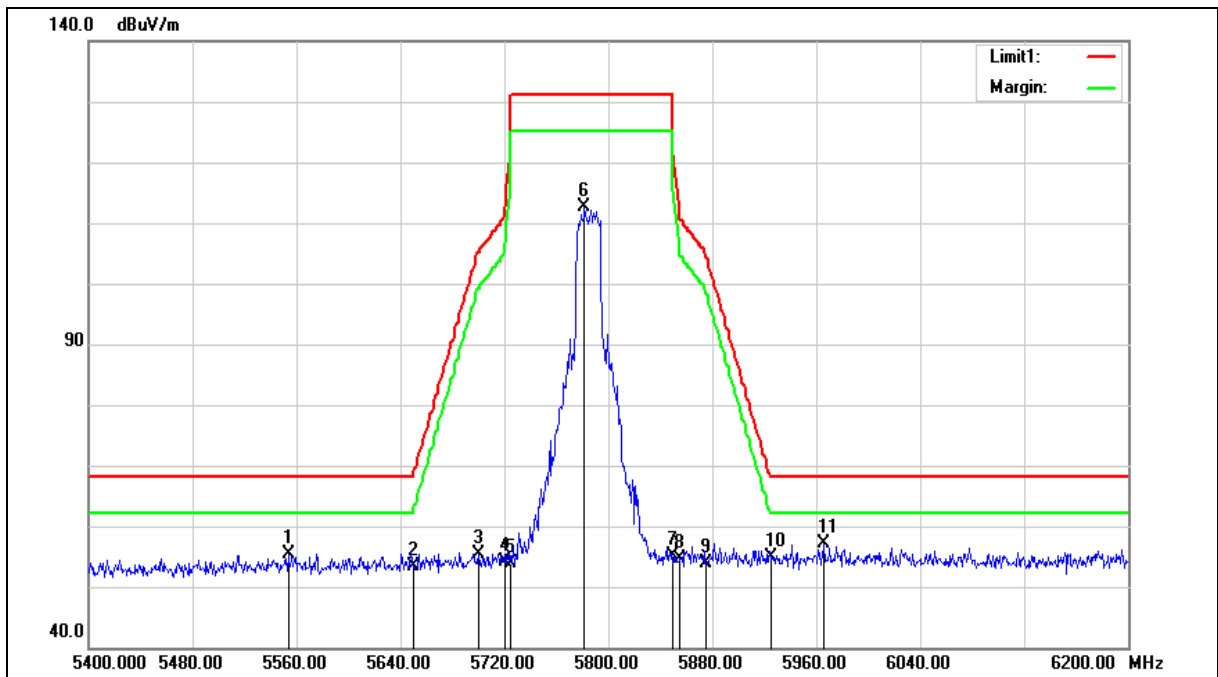
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5553.600	51.41	4.04	55.45	68.20	-12.75	peak
2	5650.000	49.18	4.24	53.42	68.20	-14.78	peak
3	5700.000	51.01	4.34	55.35	105.20	-49.85	peak
4	5720.000	49.74	4.38	54.12	110.80	-56.68	peak
5	5725.000	49.54	4.39	53.93	122.20	-68.27	peak
6	5781.600	108.22	4.51	112.73	--	--	peak
7	5850.000	50.48	4.65	55.13	122.20	-67.07	peak
8	5855.000	49.92	4.66	54.58	110.80	-56.22	peak
9	5875.000	49.19	4.70	53.89	105.20	-51.31	peak
10	5925.000	50.01	4.81	54.82	68.20	-13.38	peak
11	5965.600	52.19	4.89	57.08	68.20	-11.12	peak

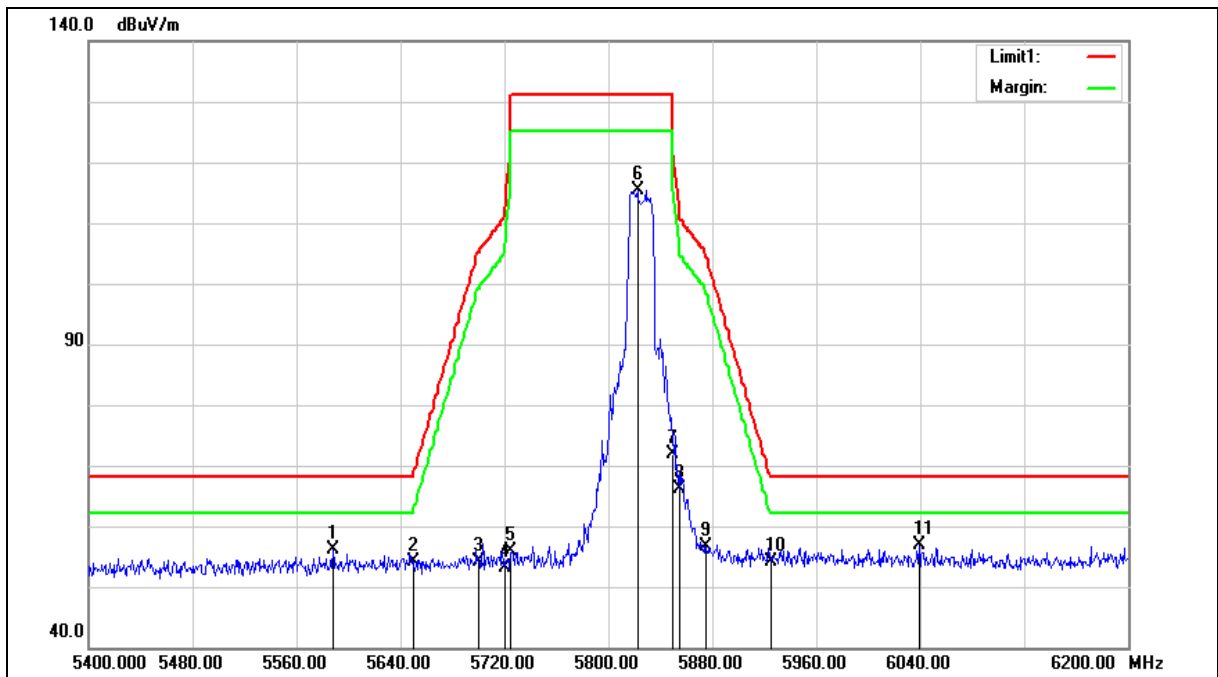
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5588.000	51.91	4.11	56.02	68.20	-12.18	peak
2	5650.000	49.87	4.24	54.11	68.20	-14.09	peak
3	5700.000	49.67	4.34	54.01	105.20	-51.19	peak
4	5720.000	48.65	4.38	53.03	110.80	-57.77	peak
5	5725.000	51.43	4.39	55.82	122.20	-66.38	peak
6	5822.400	110.86	4.60	115.46	--	--	peak
7	5850.000	67.28	4.65	71.93	122.20	-50.27	peak
8	5855.000	61.46	4.66	66.12	110.80	-44.68	peak
9	5875.000	51.85	4.70	56.55	105.20	-48.65	peak
10	5925.000	49.35	4.81	54.16	68.20	-14.04	peak
11	6039.200	51.77	5.09	56.86	68.20	-11.34	peak

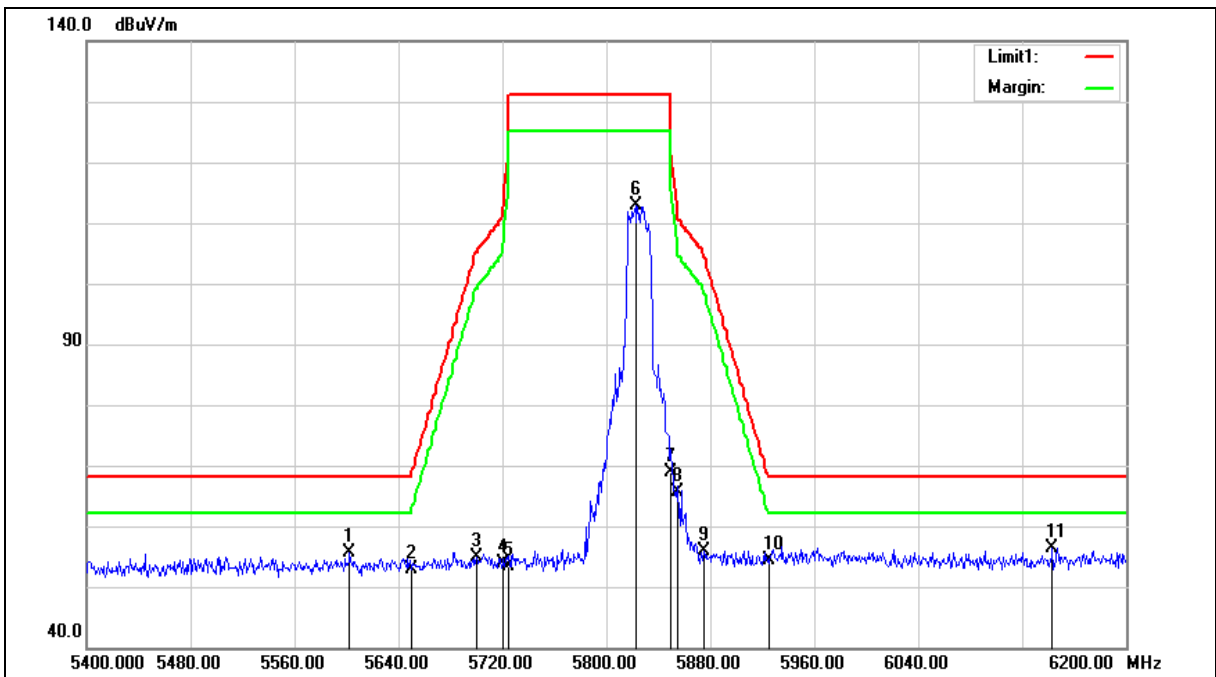
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5602.400	51.52	4.13	55.65	68.20	-12.55	peak
2	5650.000	48.57	4.24	52.81	68.20	-15.39	peak
3	5700.000	50.52	4.34	54.86	105.20	-50.34	peak
4	5720.000	49.53	4.38	53.91	110.80	-56.89	peak
5	5725.000	49.05	4.39	53.44	122.20	-68.76	peak
6	5822.400	108.32	4.60	112.92	--	--	peak
7	5850.000	64.15	4.65	68.80	122.20	-53.40	peak
8	5855.000	60.92	4.66	65.58	110.80	-45.22	peak
9	5875.000	51.18	4.70	55.88	105.20	-49.32	peak
10	5925.000	49.53	4.81	54.34	68.20	-13.86	peak
11	6143.200	51.00	5.43	56.43	68.20	-11.77	peak

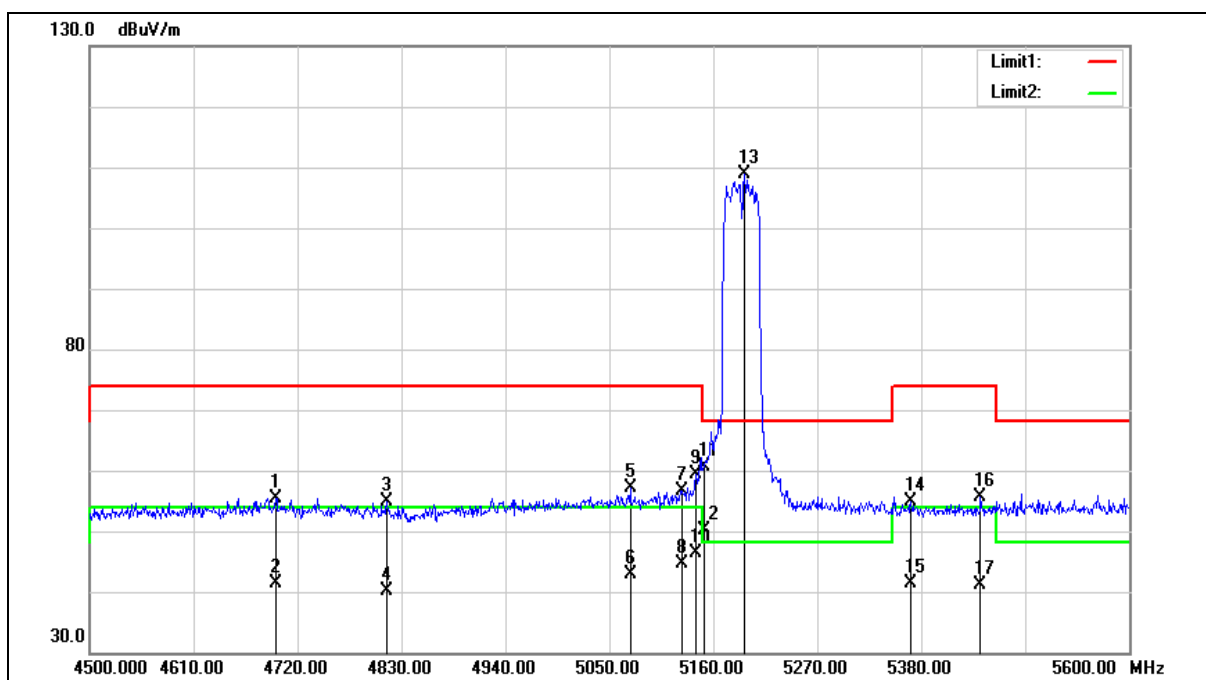
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4696.900	52.96	2.52	55.48	74.00	-18.52	peak
2	4696.900	38.75	2.52	41.27	54.00	-12.73	AVG
3	4814.600	51.95	2.82	54.77	74.00	-19.23	peak
4	4814.600	37.40	2.82	40.22	54.00	-13.78	AVG
5	5072.000	53.76	3.36	57.12	74.00	-16.88	peak
6	5072.000	39.47	3.36	42.83	54.00	-11.17	AVG
7	5127.000	53.17	3.44	56.61	74.00	-17.39	peak
8	5127.000	41.14	3.44	44.58	54.00	-9.42	AVG
9	5141.300	55.84	3.46	59.30	74.00	-14.70	peak
10	5141.300	42.90	3.46	46.36	54.00	-7.64	AVG
11	5150.000	57.06	3.47	60.53	74.00	-13.47	peak
12	5150.000	46.78	3.47	50.25	54.00	-3.75	AVG
13	5193.000	105.38	3.52	108.90	--	--	peak
14	5369.000	51.12	3.76	54.88	74.00	-19.12	peak
15	5369.000	37.74	3.76	41.50	54.00	-12.50	AVG
16	5442.700	51.79	3.85	55.64	74.00	-18.36	peak
17	5442.700	37.36	3.85	41.21	54.00	-12.79	AVG

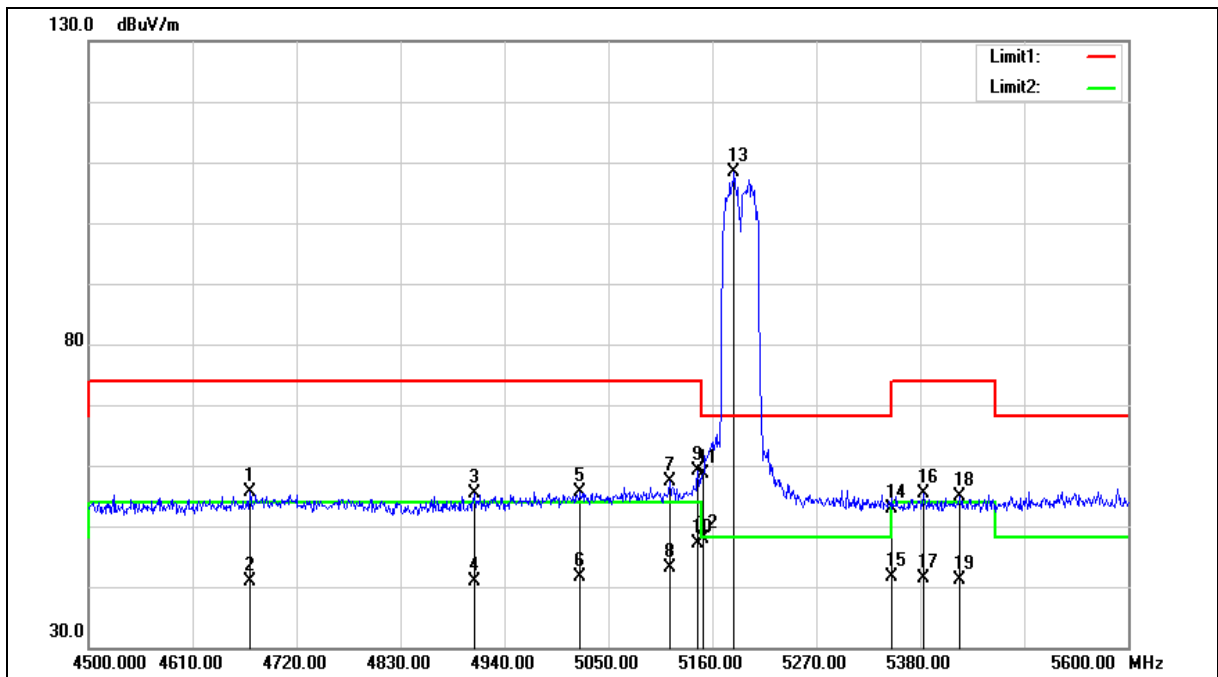
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4670.500	53.17	2.47	55.64	74.00	-18.36	peak
2	4670.500	38.43	2.47	40.90	54.00	-13.10	AVG
3	4908.100	52.43	3.05	55.48	74.00	-18.52	peak
4	4908.100	37.73	3.05	40.78	54.00	-13.22	AVG
5	5020.300	52.29	3.30	55.59	74.00	-18.41	peak
6	5020.300	38.39	3.30	41.69	54.00	-12.31	AVG
7	5114.900	53.99	3.42	57.41	74.00	-16.59	peak
8	5114.900	39.80	3.42	43.22	54.00	-10.78	AVG
9	5144.600	55.77	3.47	59.24	74.00	-14.76	peak
10	5144.600	43.63	3.47	47.10	54.00	-6.90	AVG
11	5150.000	55.10	3.47	58.57	74.00	-15.43	peak
12	5150.000	44.40	3.47	47.87	54.00	-6.13	AVG
13	5183.100	104.76	3.52	108.28	--	--	peak
14	5350.000	49.22	3.73	52.95	74.00	-21.05	peak
15	5350.000	37.89	3.73	41.62	54.00	-12.38	AVG
16	5383.300	51.60	3.78	55.38	74.00	-18.62	peak
17	5383.300	37.54	3.78	41.32	54.00	-12.68	AVG
18	5421.800	51.08	3.83	54.91	74.00	-19.09	peak
19	5421.800	37.34	3.83	41.17	54.00	-12.83	AVG

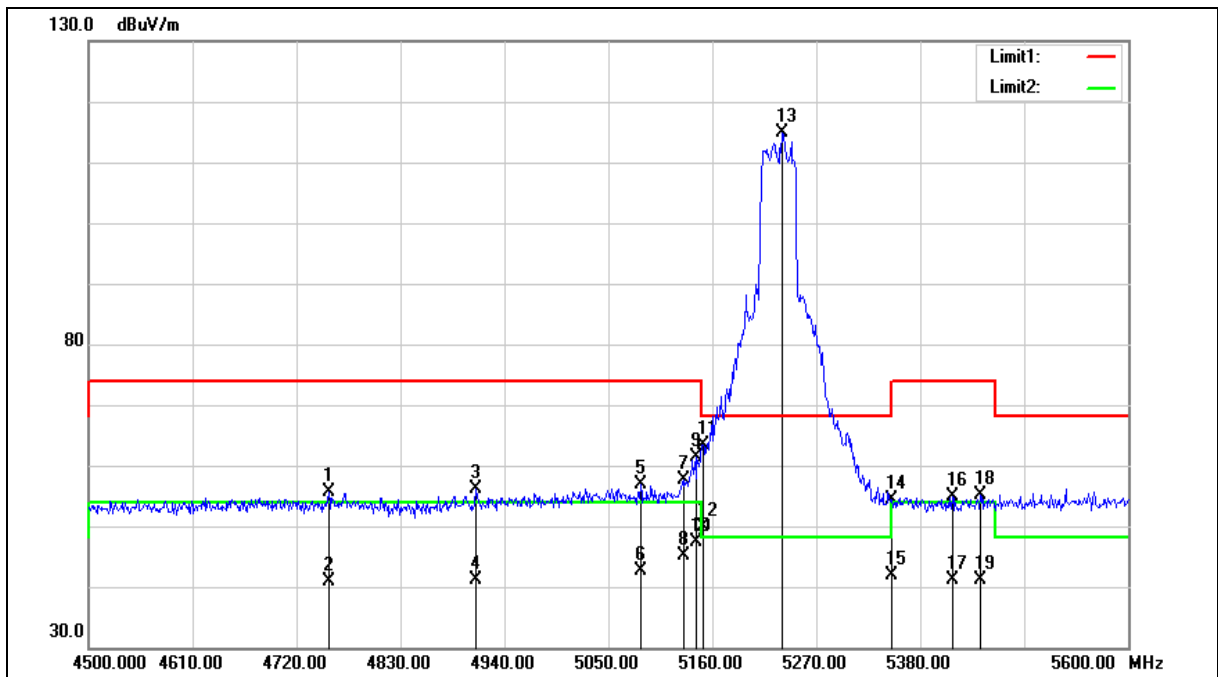
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4754.100	52.92	2.67	55.59	74.00	-18.41	peak
2	4754.100	38.19	2.67	40.86	54.00	-13.14	AVG
3	4909.200	53.16	3.06	56.22	74.00	-17.78	peak
4	4909.200	38.09	3.06	41.15	54.00	-12.85	AVG
5	5084.100	53.53	3.38	56.91	74.00	-17.09	peak
6	5084.100	39.30	3.38	42.68	54.00	-11.32	AVG
7	5129.200	54.27	3.44	57.71	74.00	-16.29	peak
8	5129.200	41.71	3.44	45.15	54.00	-8.85	AVG
9	5143.500	57.86	3.46	61.32	74.00	-12.68	peak
10	5143.500	43.98	3.46	47.44	54.00	-6.56	AVG
11	5150.000	59.88	3.47	63.35	74.00	-10.65	peak
12	5150.000	46.39	3.47	49.86	54.00	-4.14	AVG
13	5233.700	111.20	3.58	114.78	--	--	peak
14	5350.000	50.66	3.73	54.39	74.00	-19.61	peak
15	5350.000	38.17	3.73	41.90	54.00	-12.10	AVG
16	5414.100	51.03	3.82	54.85	74.00	-19.15	peak
17	5414.100	37.27	3.82	41.09	54.00	-12.91	AVG
18	5443.800	51.38	3.86	55.24	74.00	-18.76	peak
19	5443.800	37.19	3.86	41.05	54.00	-12.95	AVG

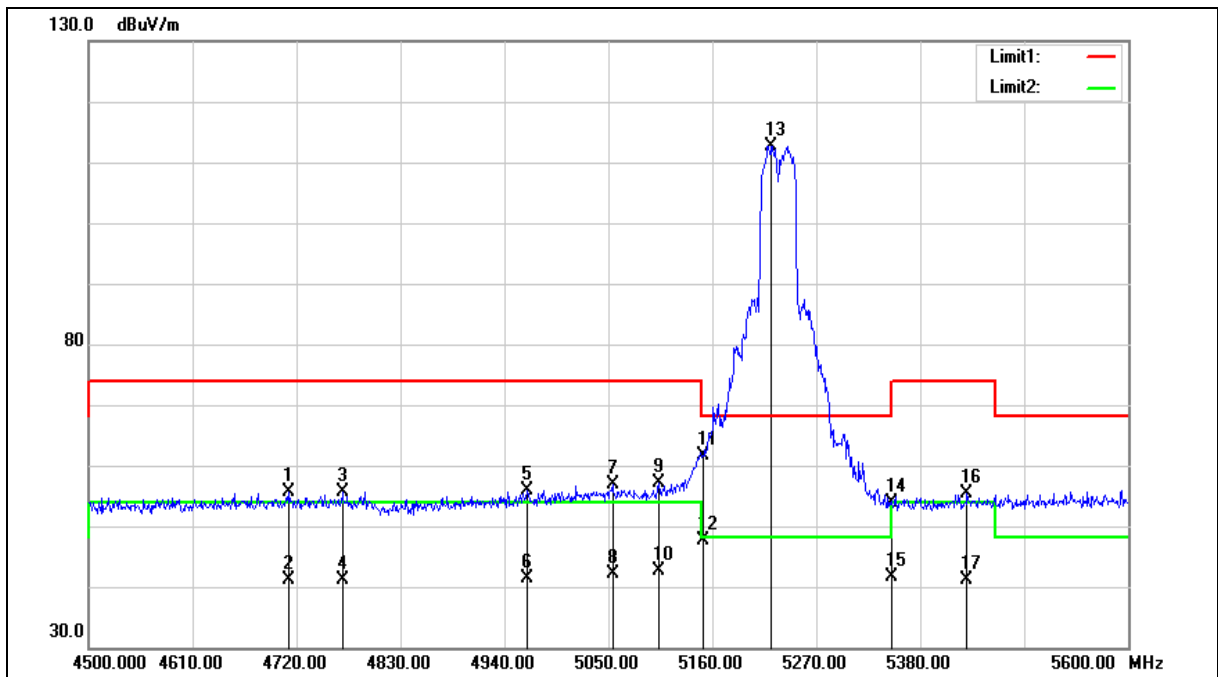
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4712.300	53.06	2.56	55.62	74.00	-18.38	peak
2	4712.300	38.48	2.56	41.04	54.00	-12.96	AVG
3	4768.400	52.91	2.70	55.61	74.00	-18.39	peak
4	4768.400	38.52	2.70	41.22	54.00	-12.78	AVG
5	4964.200	52.60	3.18	55.78	74.00	-18.22	peak
6	4964.200	38.10	3.18	41.28	54.00	-12.72	AVG
7	5054.400	53.43	3.34	56.77	74.00	-17.23	peak
8	5054.400	38.84	3.34	42.18	54.00	-11.82	AVG
9	5103.900	53.79	3.40	57.19	74.00	-16.81	peak
10	5103.900	39.29	3.40	42.69	54.00	-11.31	AVG
11	5150.000	58.16	3.47	61.63	74.00	-12.37	peak
12	5150.000	44.14	3.47	47.61	54.00	-6.39	AVG
13	5222.700	109.11	3.57	112.68	--	--	peak
14	5350.000	50.07	3.73	53.80	74.00	-20.20	peak
15	5350.000	37.99	3.73	41.72	54.00	-12.28	AVG
16	5429.500	51.59	3.84	55.43	74.00	-18.57	peak
17	5429.500	37.19	3.84	41.03	54.00	-12.97	AVG

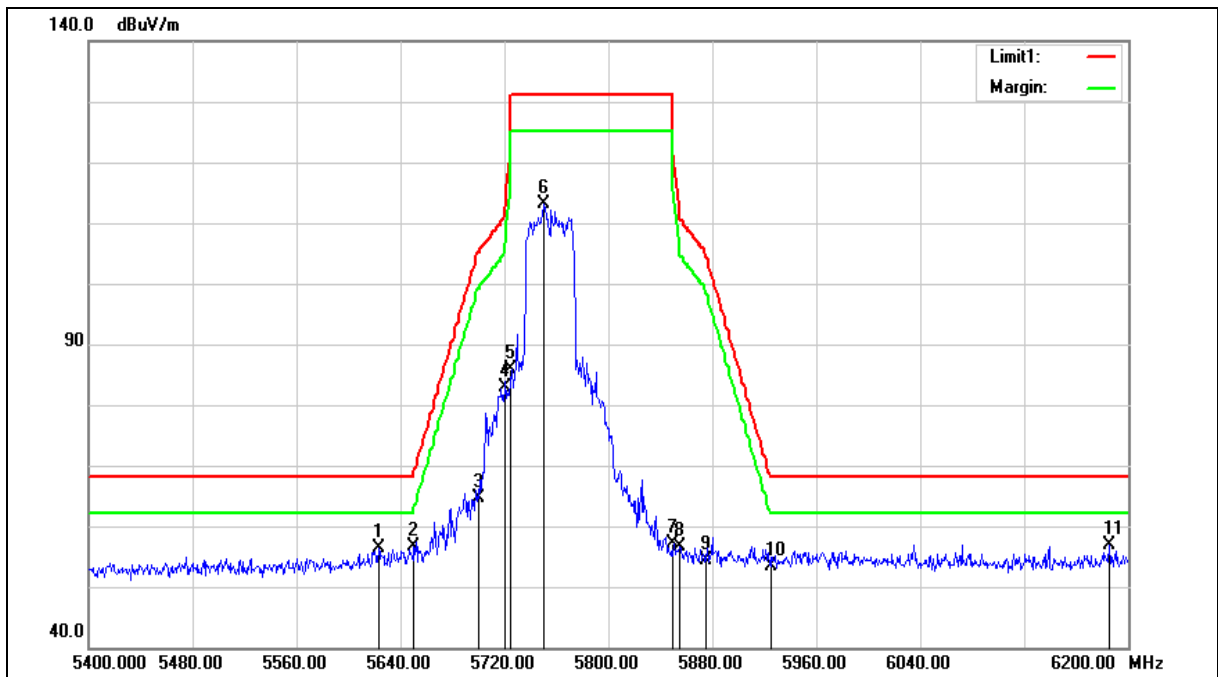
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5623.200	52.27	4.18	56.45	68.20	-11.75	peak
2	5650.000	52.34	4.24	56.58	68.20	-11.62	peak
3	5700.000	60.24	4.34	64.58	105.20	-40.62	peak
4	5720.000	78.54	4.38	82.92	110.80	-27.88	peak
5	5725.000	81.38	4.39	85.77	122.20	-36.43	peak
6	5750.400	108.56	4.45	113.01	--	--	peak
7	5850.000	52.55	4.65	57.20	122.20	-65.00	peak
8	5855.000	52.03	4.66	56.69	110.80	-54.11	peak
9	5875.000	49.63	4.70	54.33	105.20	-50.87	peak
10	5925.000	48.66	4.81	53.47	68.20	-14.73	peak
11	6185.600	51.41	5.58	56.99	68.20	-11.21	peak

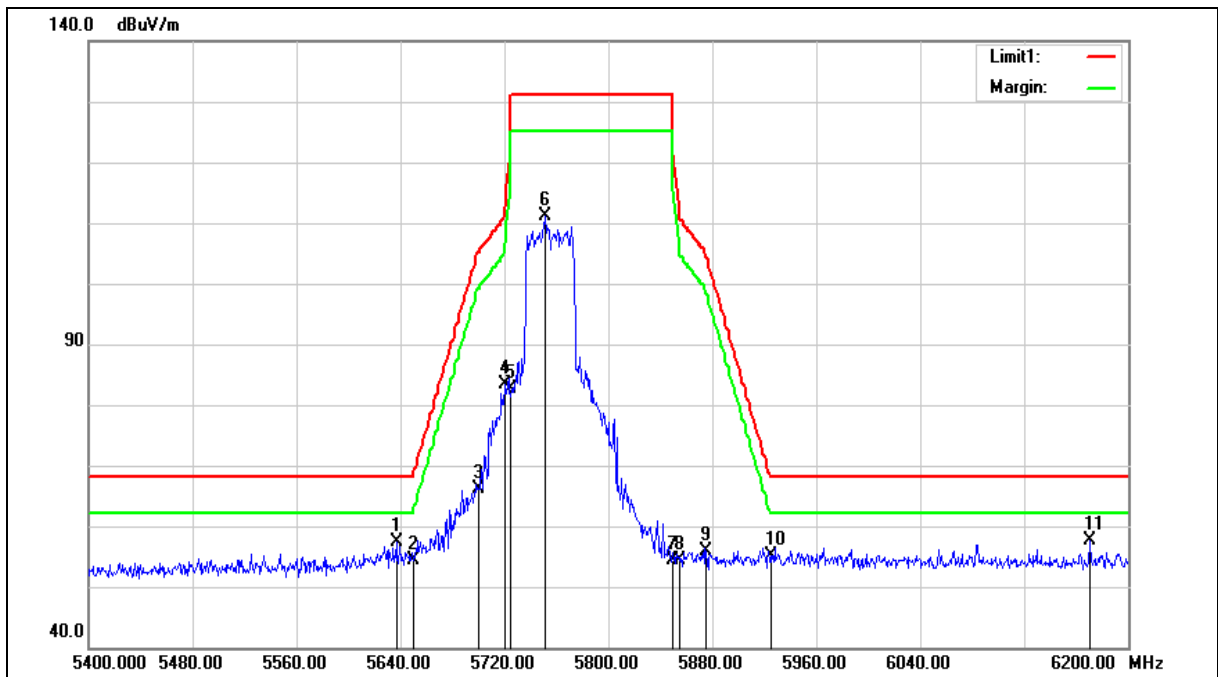
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.800	53.09	4.22	57.31	68.20	-10.89	peak
2	5650.000	50.06	4.24	54.30	68.20	-13.90	peak
3	5700.000	61.82	4.34	66.16	105.20	-39.04	peak
4	5720.000	79.04	4.38	83.42	110.80	-27.38	peak
5	5725.000	78.19	4.39	82.58	122.20	-39.62	peak
6	5751.200	106.56	4.45	111.01	--	--	peak
7	5850.000	49.70	4.65	54.35	122.20	-67.85	peak
8	5855.000	49.83	4.66	54.49	110.80	-56.31	peak
9	5875.000	51.06	4.70	55.76	105.20	-49.44	peak
10	5925.000	50.33	4.81	55.14	68.20	-13.06	peak
11	6170.400	52.02	5.52	57.54	68.20	-10.66	peak

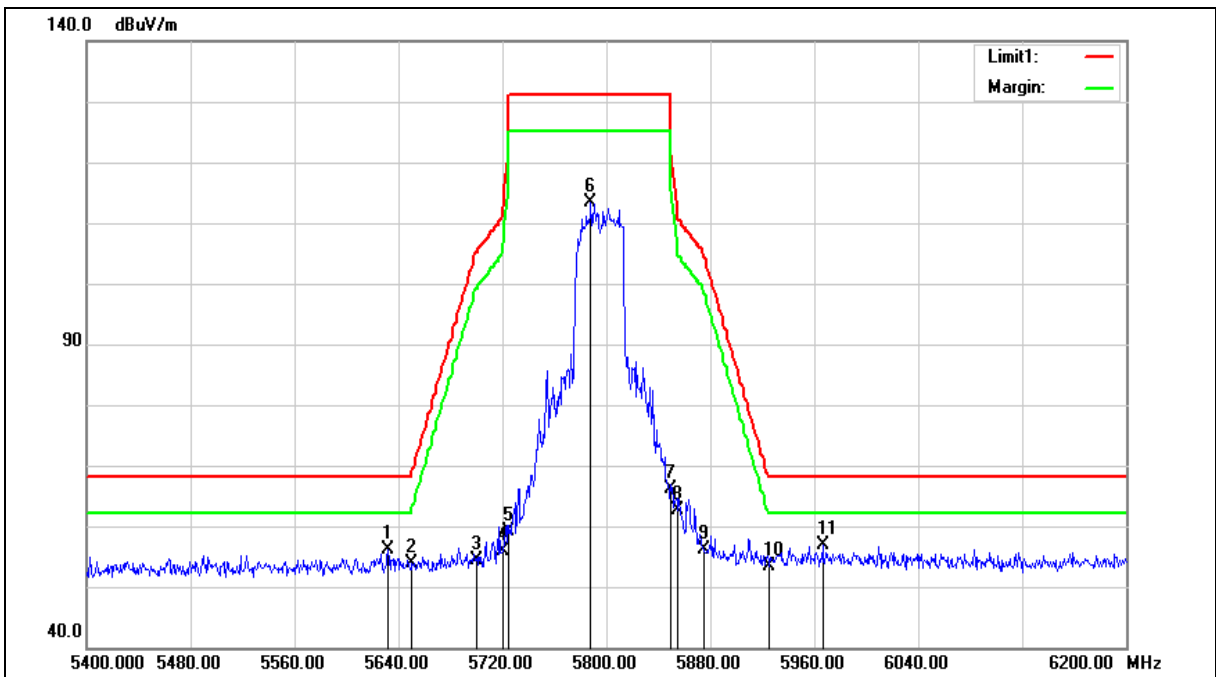
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.000	51.86	4.21	56.07	68.20	-12.13	peak
2	5650.000	49.74	4.24	53.98	68.20	-14.22	peak
3	5700.000	49.96	4.34	54.30	105.20	-50.90	peak
4	5720.000	51.50	4.38	55.88	110.80	-54.92	peak
5	5725.000	54.73	4.39	59.12	122.20	-63.08	peak
6	5788.000	108.86	4.52	113.38	--	--	peak
7	5850.000	61.55	4.65	66.20	122.20	-56.00	peak
8	5855.000	58.03	4.66	62.69	110.80	-48.11	peak
9	5875.000	51.36	4.70	56.06	105.20	-49.14	peak
10	5925.000	48.51	4.81	53.32	68.20	-14.88	peak
11	5966.400	52.02	4.90	56.92	68.20	-11.28	peak

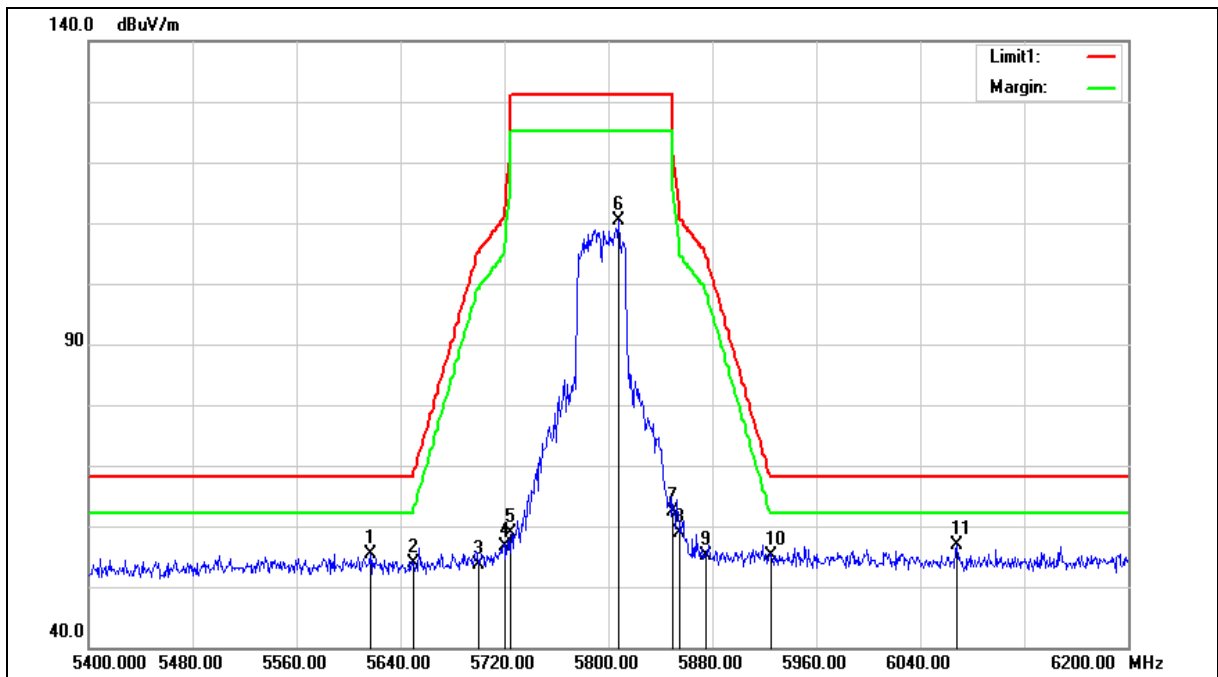
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5616.800	51.27	4.17	55.44	68.20	-12.76	peak
2	5650.000	49.61	4.24	53.85	68.20	-14.35	peak
3	5700.000	49.37	4.34	53.71	105.20	-51.49	peak
4	5720.000	52.37	4.38	56.75	110.80	-54.05	peak
5	5725.000	54.48	4.39	58.87	122.20	-63.33	peak
6	5808.000	105.73	4.56	110.29	--	--	peak
7	5850.000	57.73	4.65	62.38	122.20	-59.82	peak
8	5855.000	54.31	4.66	58.97	110.80	-51.83	peak
9	5875.000	50.52	4.70	55.22	105.20	-49.98	peak
10	5925.000	50.35	4.81	55.16	68.20	-13.04	peak
11	6068.000	51.58	5.18	56.76	68.20	-11.44	peak

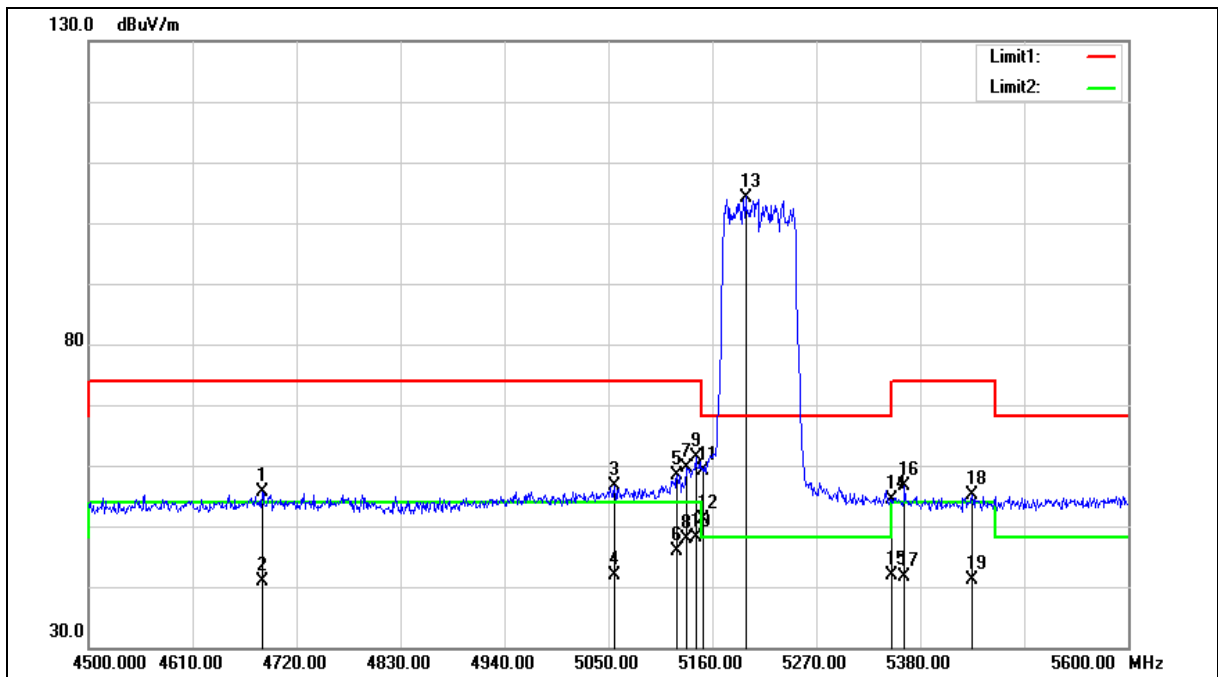
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4683.700	53.04	2.50	55.54	74.00	-18.46	peak
2	4683.700	38.31	2.50	40.81	54.00	-13.19	AVG
3	5056.600	53.26	3.35	56.61	74.00	-17.39	peak
4	5056.600	38.61	3.35	41.96	54.00	-12.04	AVG
5	5122.600	55.06	3.43	58.49	74.00	-15.51	peak
6	5122.600	42.57	3.43	46.00	54.00	-8.00	AVG
7	5132.500	56.23	3.45	59.68	74.00	-14.32	peak
8	5132.500	44.47	3.45	47.92	54.00	-6.08	AVG
9	5142.400	57.92	3.46	61.38	74.00	-12.62	peak
10	5142.400	44.70	3.46	48.16	54.00	-5.84	AVG
11	5150.000	55.62	3.47	59.09	74.00	-14.91	peak
12	5150.000	47.70	3.47	51.17	54.00	-2.83	AVG
13	5195.200	100.72	3.53	104.25	--	--	peak
14	5350.000	50.69	3.73	54.42	74.00	-19.58	peak
15	5350.000	38.15	3.73	41.88	54.00	-12.12	AVG
16	5363.500	52.86	3.74	56.60	74.00	-17.40	peak
17	5363.500	37.88	3.74	41.62	54.00	-12.38	AVG
18	5435.000	51.18	3.85	55.03	74.00	-18.97	peak
19	5435.000	37.27	3.85	41.12	54.00	-12.88	AVG

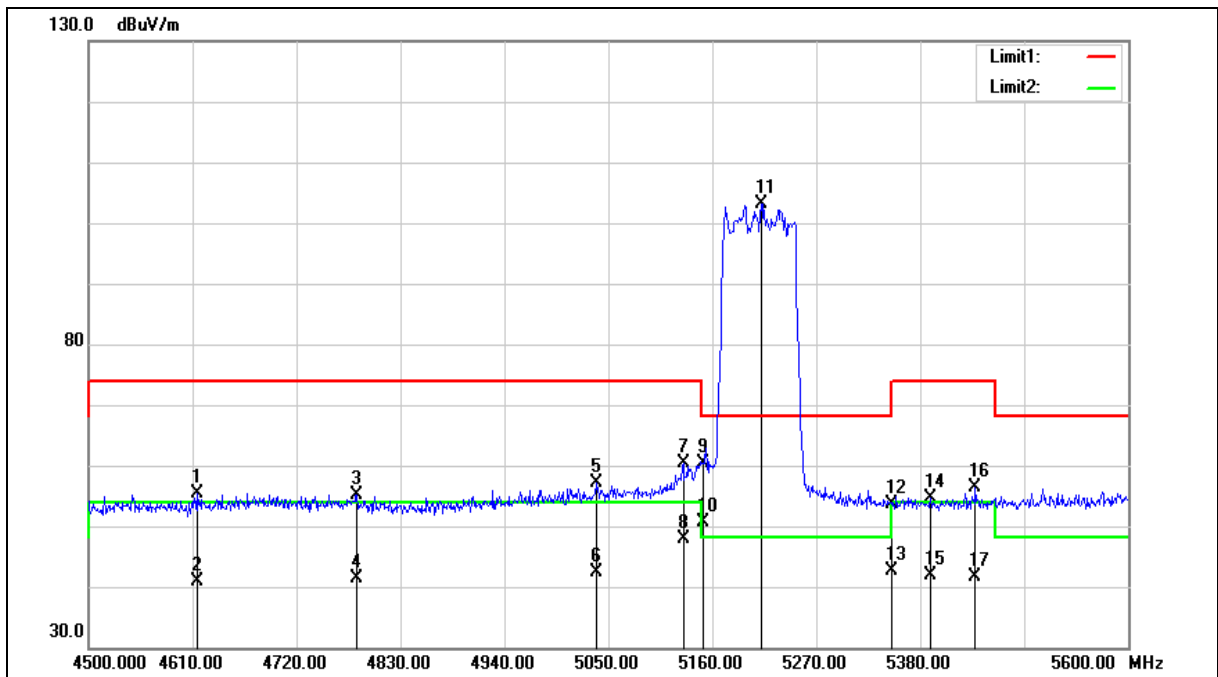
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4614.400	52.99	2.33	55.32	74.00	-18.68	peak
2	4614.400	38.54	2.33	40.87	54.00	-13.13	AVG
3	4783.800	52.47	2.75	55.22	74.00	-18.78	peak
4	4783.800	38.69	2.75	41.44	54.00	-12.56	AVG
5	5036.800	53.72	3.32	57.04	74.00	-16.96	peak
6	5036.800	39.16	3.32	42.48	54.00	-11.52	AVG
7	5129.200	56.98	3.44	60.42	74.00	-13.58	peak
8	5129.200	44.39	3.44	47.83	54.00	-6.17	AVG
9	5150.000	56.79	3.47	60.26	74.00	-13.74	peak
10	5150.000	47.19	3.47	50.66	54.00	-3.34	AVG
11	5211.700	99.57	3.55	103.12	--	--	peak
12	5350.000	49.95	3.73	53.68	74.00	-20.32	peak
13	5350.000	38.83	3.73	42.56	54.00	-11.44	AVG
14	5391.000	50.93	3.79	54.72	74.00	-19.28	peak
15	5391.000	38.16	3.79	41.95	54.00	-12.05	AVG
16	5438.300	52.46	3.85	56.31	74.00	-17.69	peak
17	5438.300	37.90	3.85	41.75	54.00	-12.25	AVG

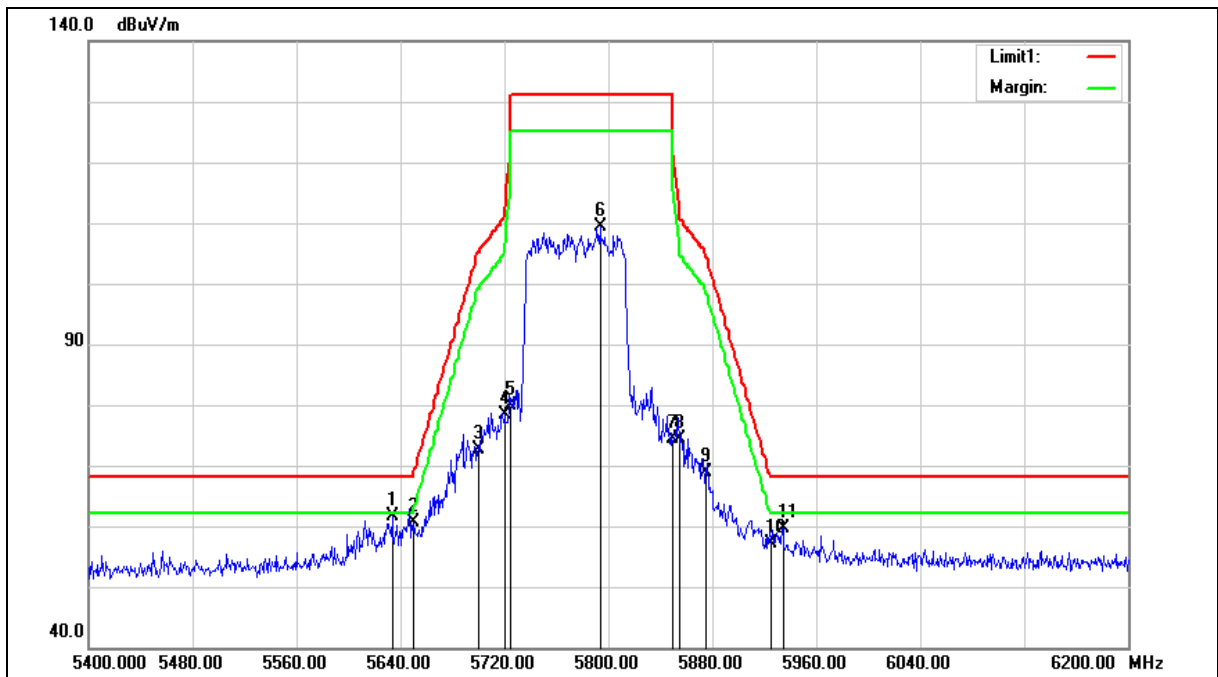
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5633.600	57.35	4.21	61.56	68.20	-6.64	peak
2	5650.000	56.36	4.24	60.60	68.20	-7.60	peak
3	5700.000	68.17	4.34	72.51	105.20	-32.69	peak
4	5720.000	73.90	4.38	78.28	110.80	-32.52	peak
5	5725.000	75.59	4.39	79.98	122.20	-42.22	peak
6	5793.600	104.74	4.53	109.27	--	--	peak
7	5850.000	69.69	4.65	74.34	122.20	-47.86	peak
8	5855.000	69.81	4.66	74.47	110.80	-36.33	peak
9	5875.000	64.19	4.70	68.89	105.20	-36.31	peak
10	5925.000	52.25	4.81	57.06	68.20	-11.14	peak
11	5934.400	54.78	4.83	59.61	68.20	-8.59	peak

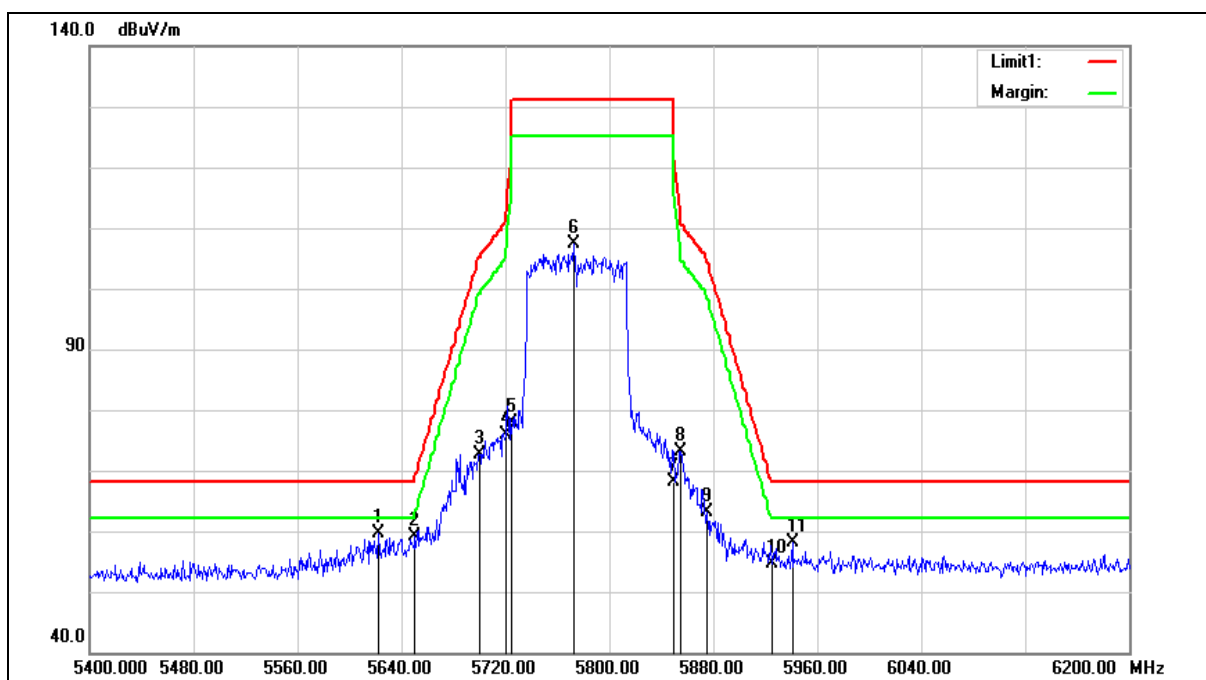
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5622.400	55.49	4.18	59.67	68.20	-8.53	peak
2	5650.000	54.91	4.24	59.15	68.20	-9.05	peak
3	5700.000	68.22	4.34	72.56	105.20	-32.64	peak
4	5720.000	71.45	4.38	75.83	110.80	-34.97	peak
5	5725.000	73.61	4.39	78.00	122.20	-44.20	peak
6	5772.800	102.81	4.49	107.30	--	--	peak
7	5850.000	63.52	4.65	68.17	122.20	-54.03	peak
8	5855.000	68.59	4.66	73.25	110.80	-37.55	peak
9	5875.000	58.33	4.70	63.03	105.20	-42.17	peak
10	5925.000	49.94	4.81	54.75	68.20	-13.45	peak
11	5940.800	53.23	4.85	58.08	68.20	-10.12	peak

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

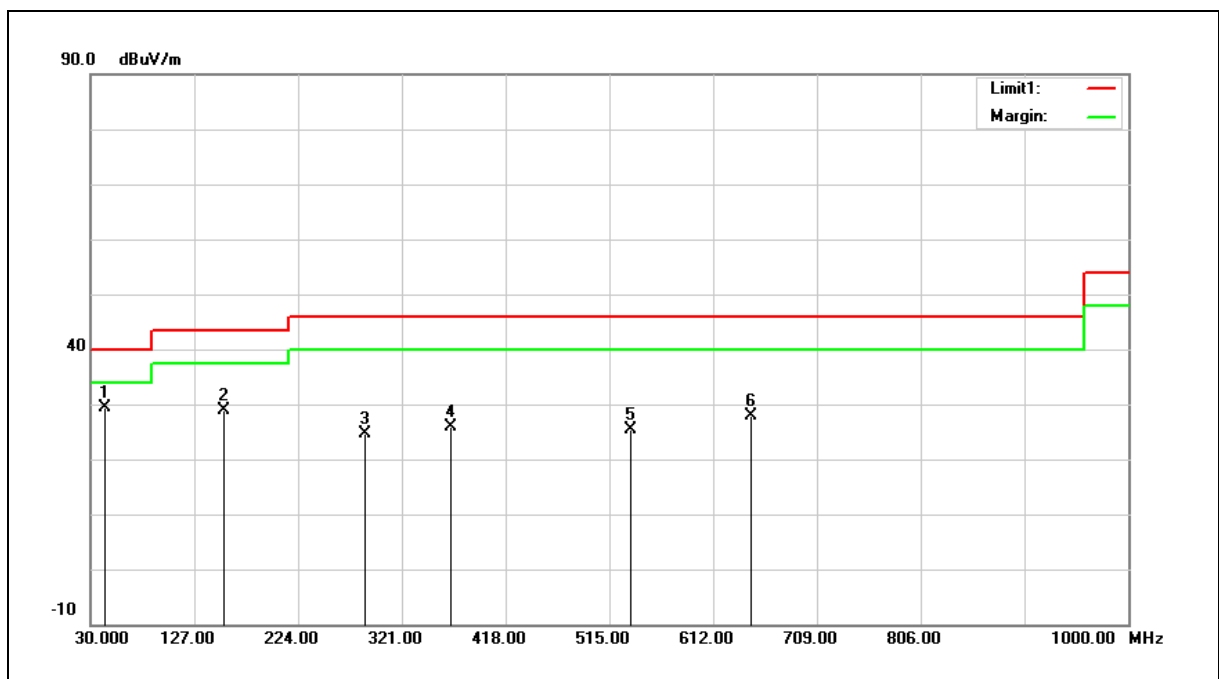
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Beamforming on

Below 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission		
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	43.5800	37.24	-7.97	29.27	40.00	-10.73	QP
2	155.1300	36.41	-7.64	28.77	43.50	-14.73	QP
3	286.0800	31.60	-6.93	24.67	46.00	-21.33	QP
4	366.5900	31.26	-5.39	25.87	46.00	-20.13	QP
5	535.3700	28.31	-2.86	25.45	46.00	-20.55	QP
6	646.9200	28.80	-0.82	27.98	46.00	-18.02	QP

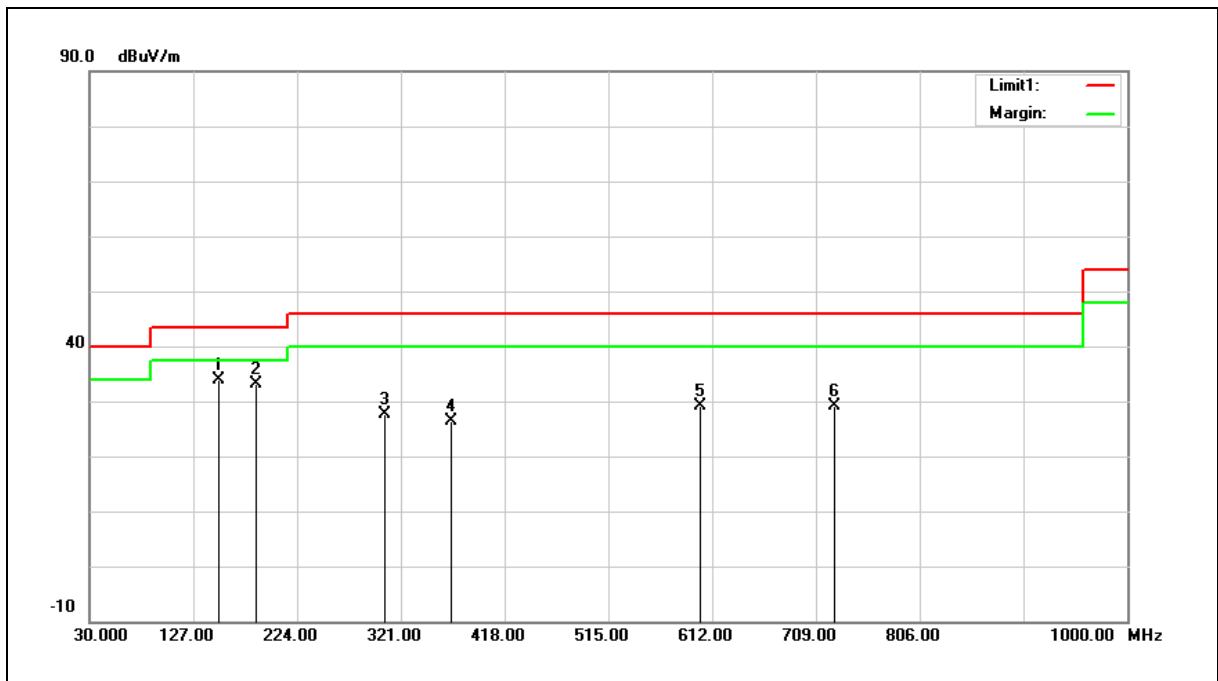
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 29.27= -7.97+37.24.

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission		
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	151.2500	41.47	-7.70	33.77	43.50	-9.73	QP
2	186.1700	42.85	-9.74	33.11	43.50	-10.39	QP
3	305.4800	34.20	-6.48	27.72	46.00	-18.28	QP
4	367.5600	31.71	-5.37	26.34	46.00	-19.66	QP
5	600.3600	30.35	-1.33	29.02	46.00	-16.98	QP
6	726.4600	28.76	0.36	29.12	46.00	-16.88	QP

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

Example: 33.77= -7.70+41.47.

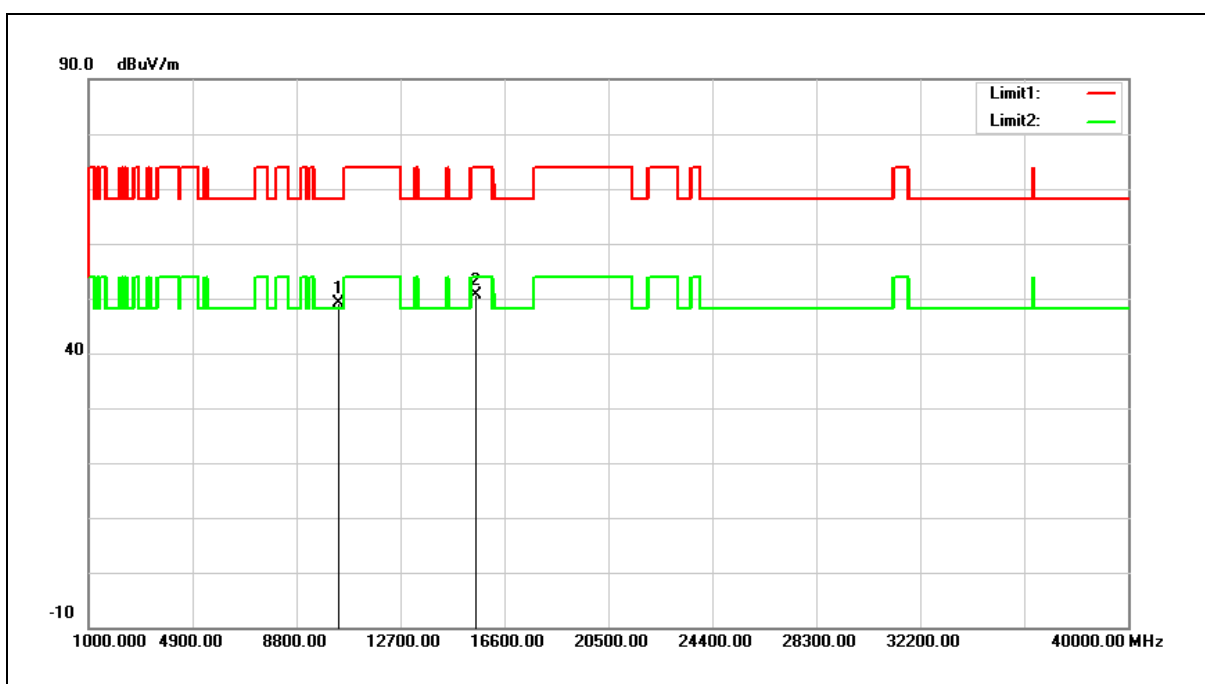
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
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	35.97	13.27	49.24	68.20	-18.96	peak
2	15540.000	34.91	15.81	50.72	74.00	-23.28	peak

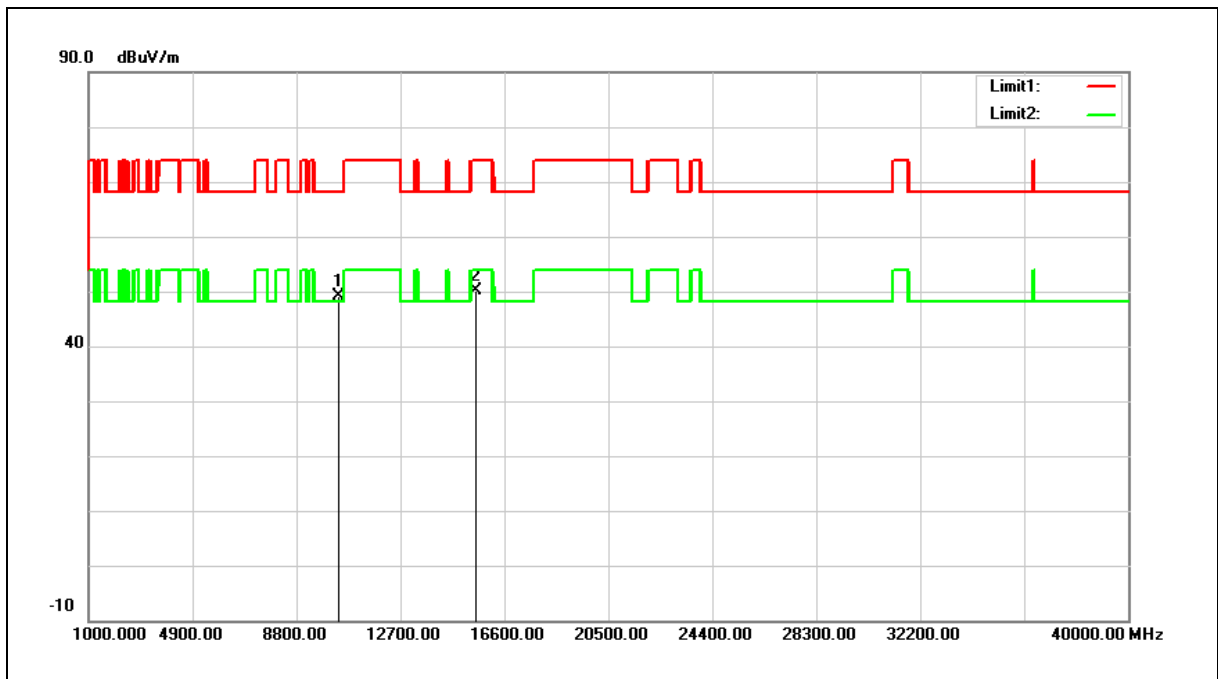
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 49.24= 13.27+35.97

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
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	35.82	13.27	49.09	68.20	-19.11	peak
2	15540.000	34.22	15.81	50.03	74.00	-23.97	peak

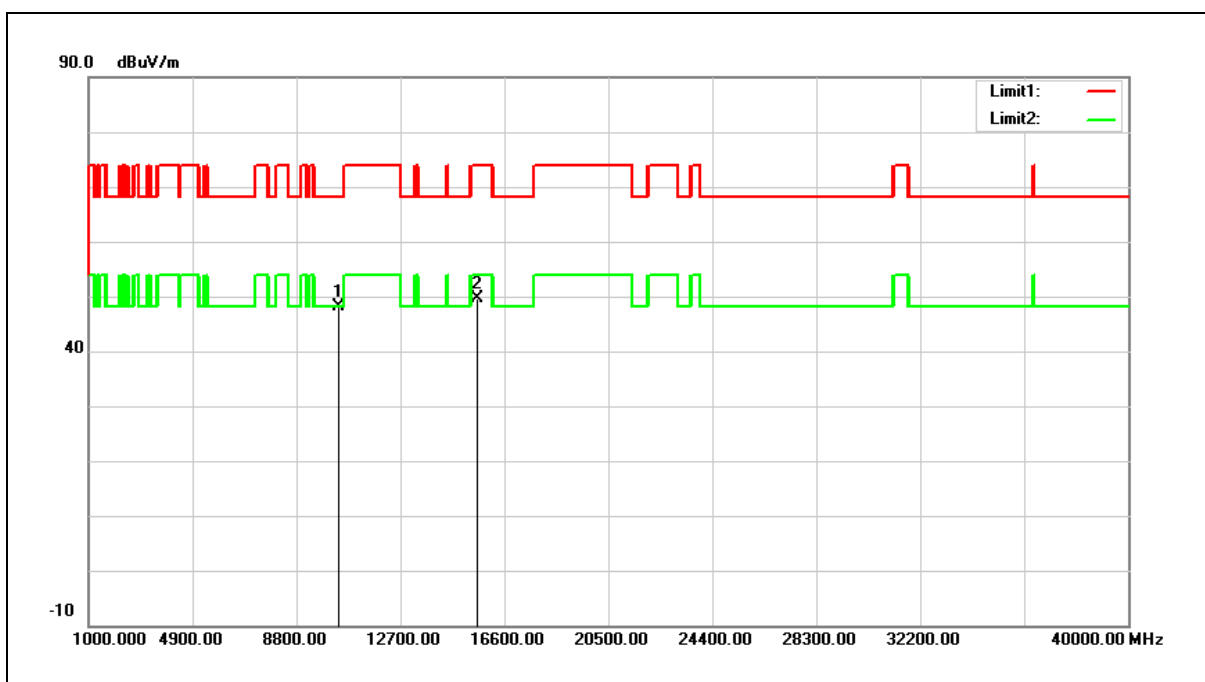
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 49.09= 13.27+35.82

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

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

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



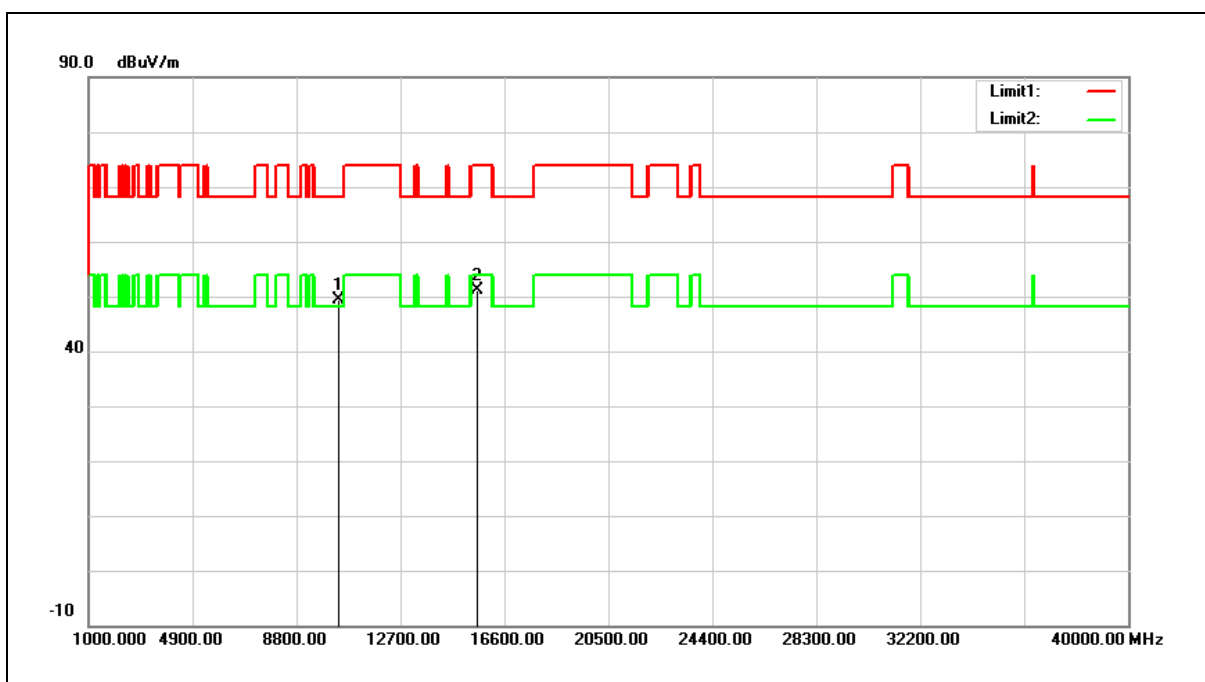
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	34.84	13.41	48.25	68.20	-19.95	peak
2	15600.000	34.05	15.63	49.68	74.00	-24.32	peak

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

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

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

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



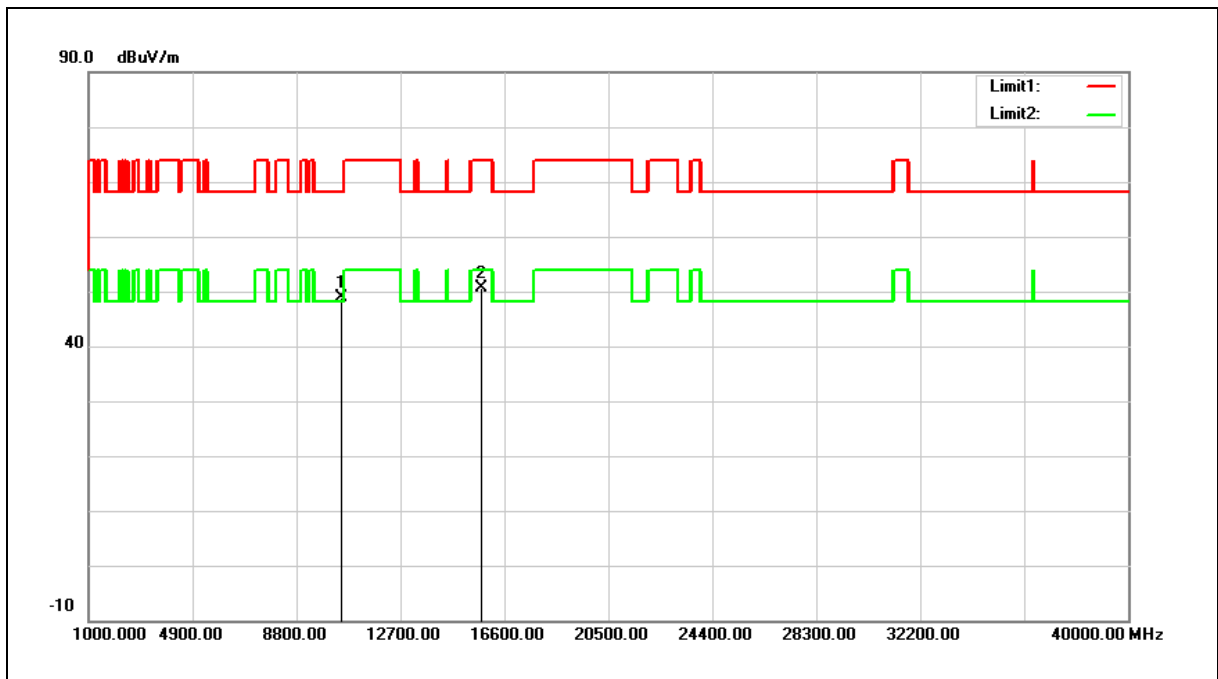
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.09	13.41	49.50	68.20	-18.70	peak
2	15600.000	35.47	15.63	51.10	74.00	-22.90	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



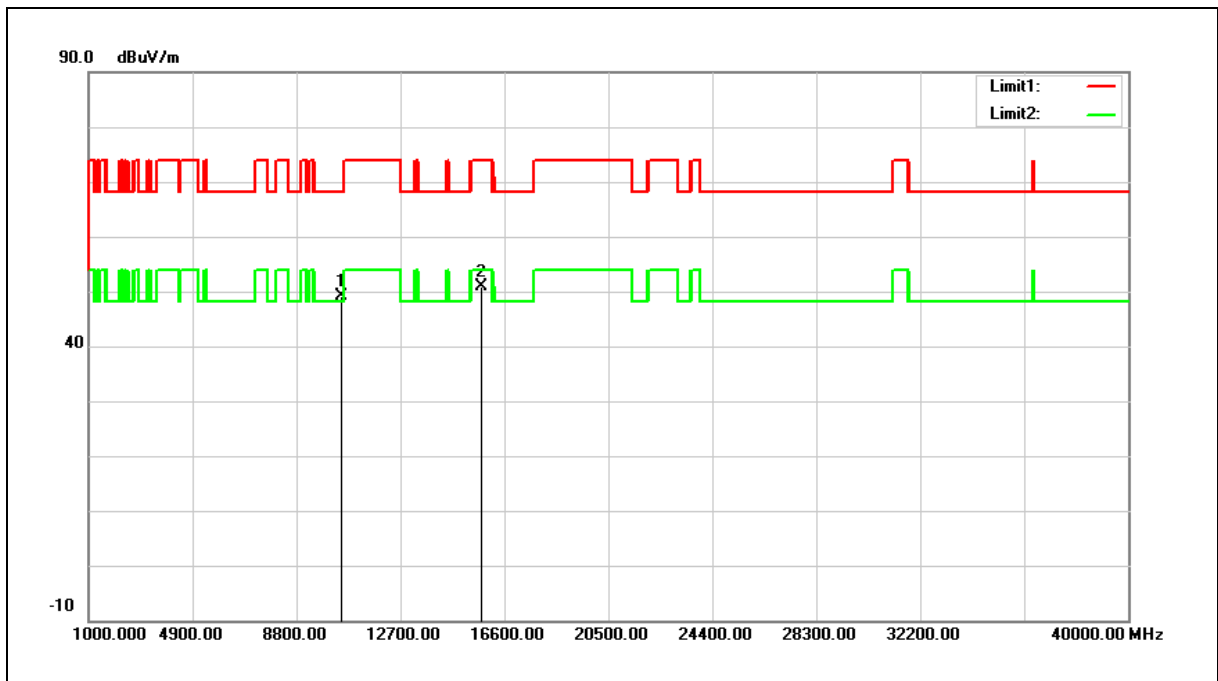
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.17	13.70	48.87	68.20	-19.33	peak
2	15720.000	35.30	15.27	50.57	74.00	-23.43	peak

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

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

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

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



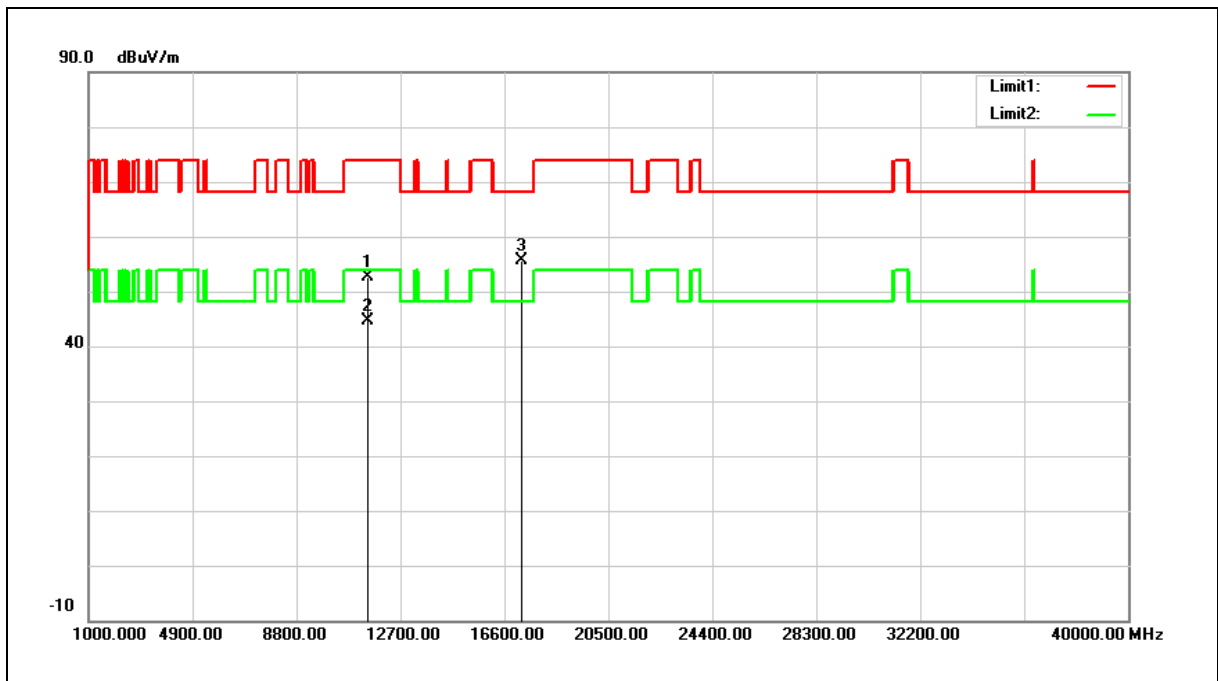
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.51	13.70	49.21	68.20	-18.99	peak
2	15720.000	35.52	15.27	50.79	74.00	-23.21	peak

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:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



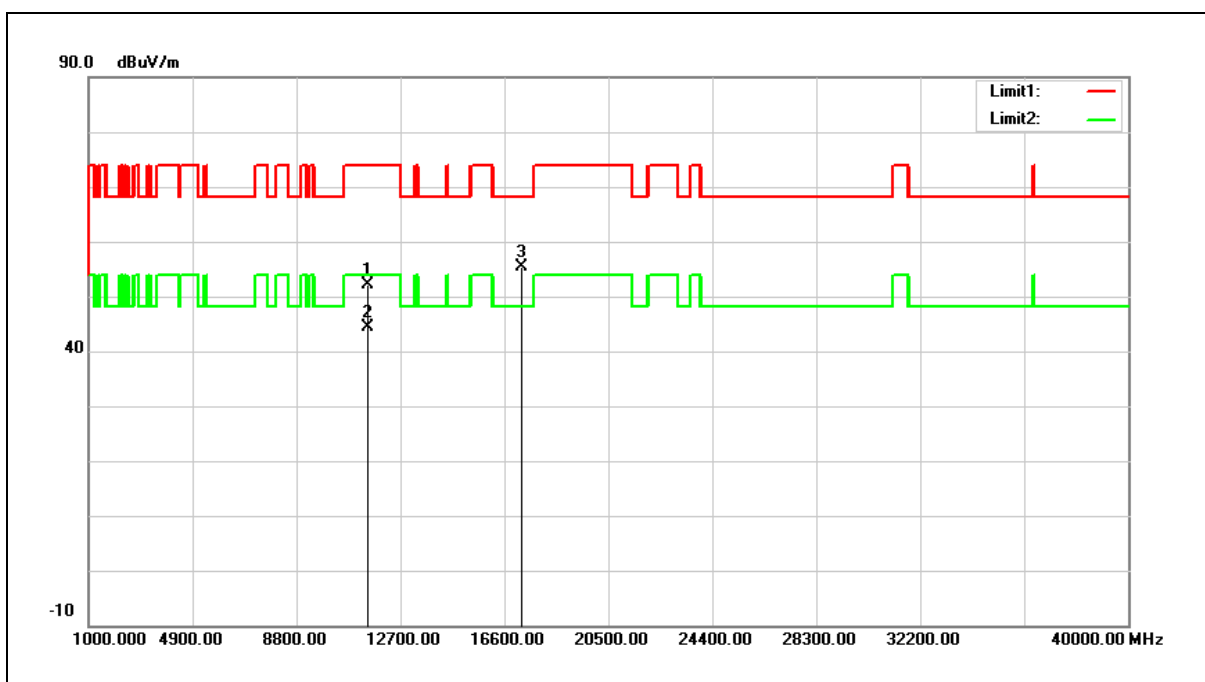
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	46.95	5.74	52.69	74.00	-21.31	peak
2	11490.000	38.85	5.74	44.59	54.00	-9.41	AVG
3	17235.000	45.11	10.60	55.71	68.20	-12.49	peak

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

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

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

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



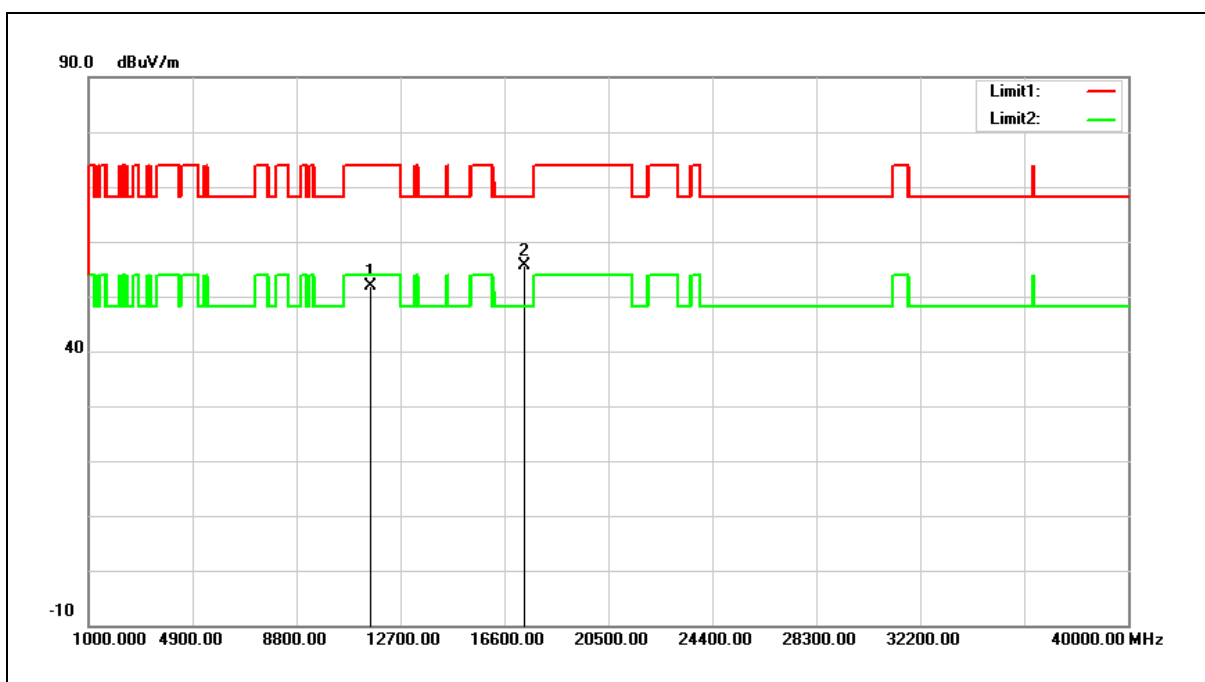
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	46.46	5.74	52.20	74.00	-21.80	peak
2	11490.000	38.52	5.74	44.26	54.00	-9.74	AVG
3	17235.000	44.73	10.60	55.33	68.20	-12.87	peak

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

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

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

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



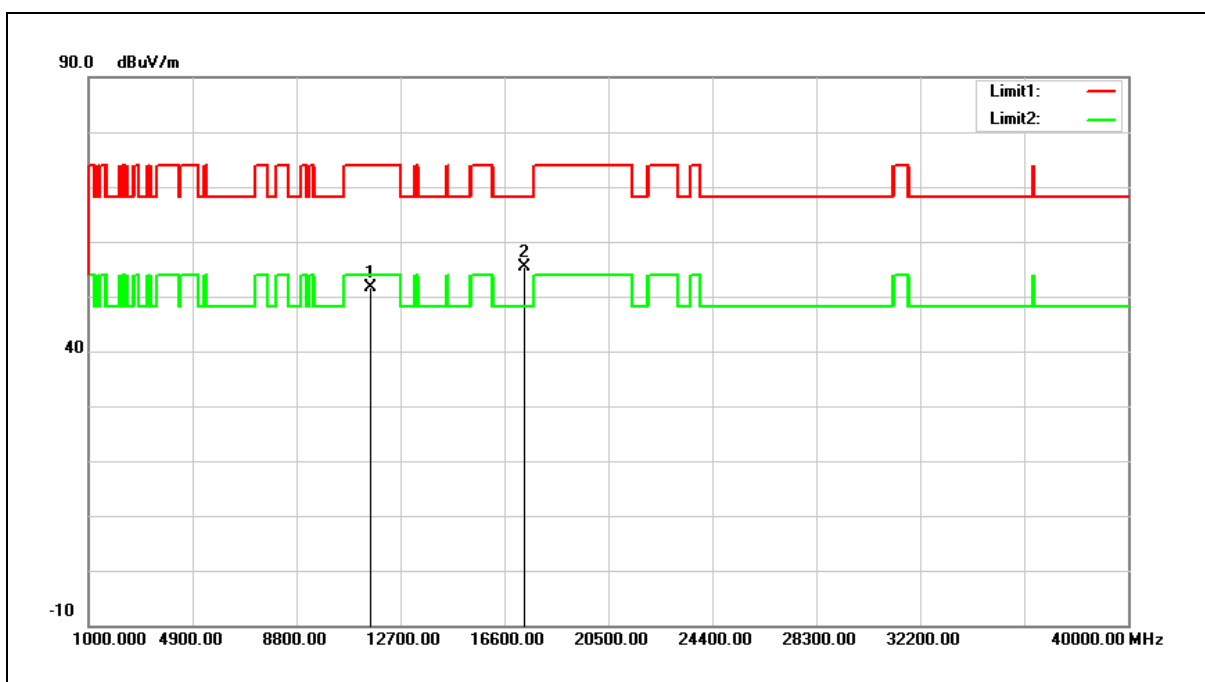
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	46.19	5.70	51.89	74.00	-22.11	peak
2	17355.000	44.75	10.92	55.67	68.20	-12.53	peak

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:	3m
Test item:	Harmonic		
Frequency:	5785MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



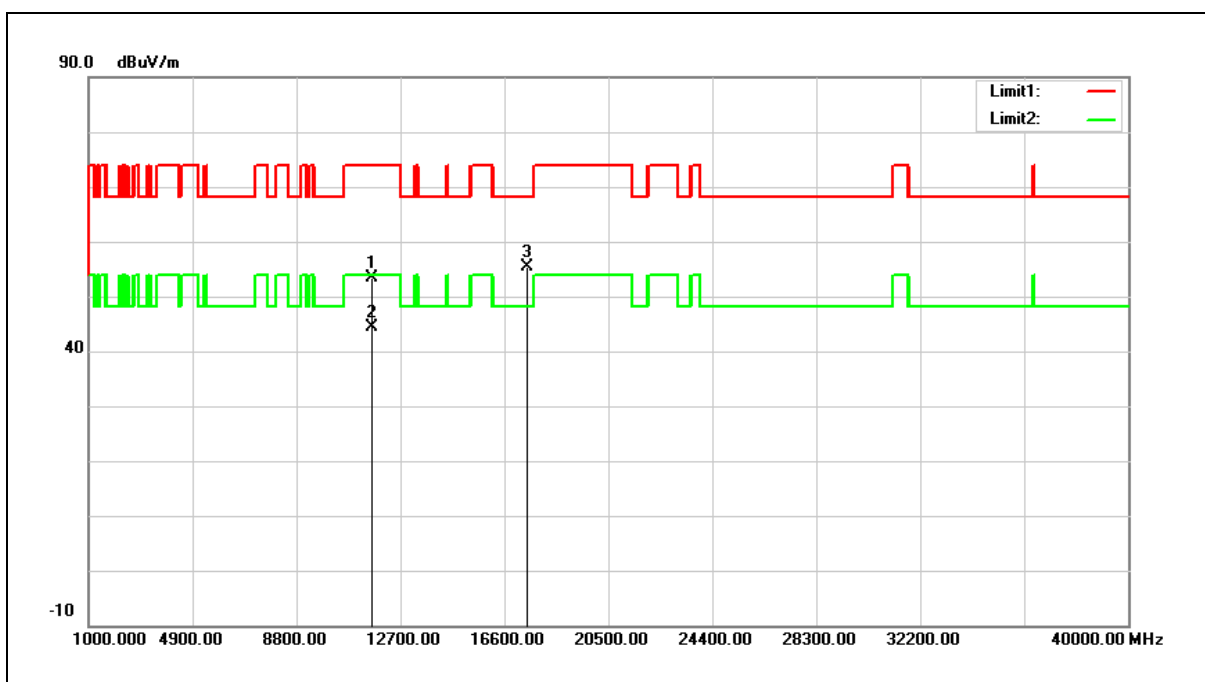
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	45.92	5.70	51.62	74.00	-22.38	peak
2	17355.000	44.54	10.92	55.46	68.20	-12.74	peak

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

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

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

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



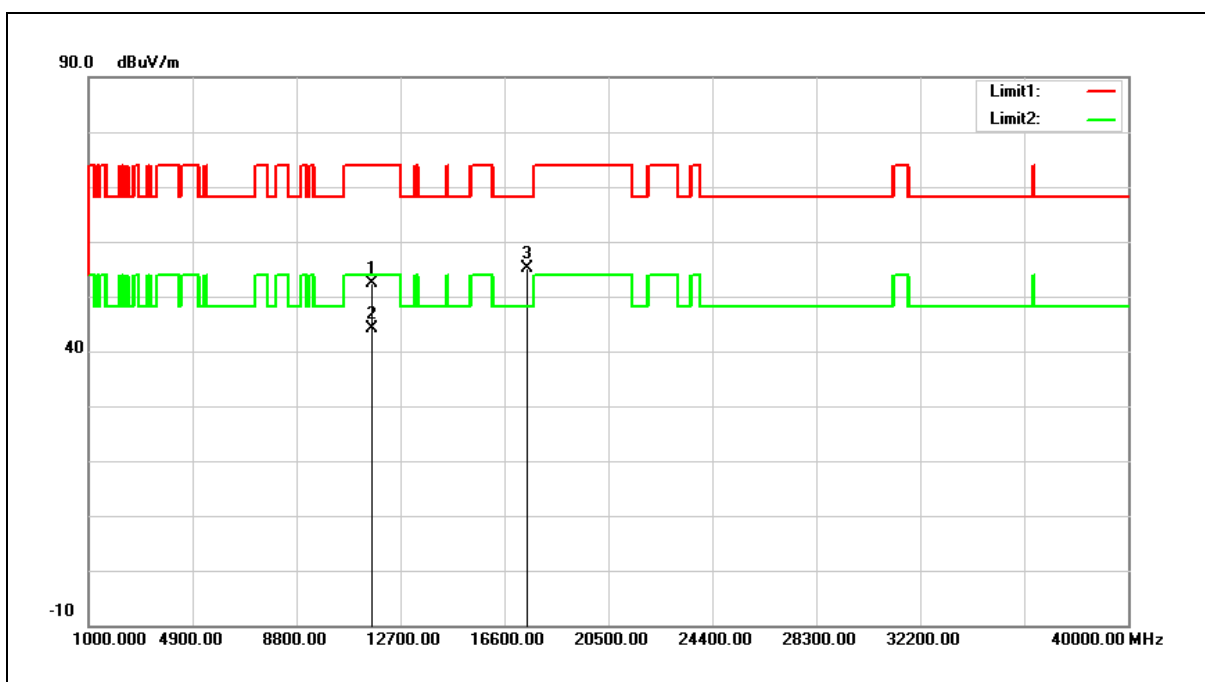
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.69	5.64	53.33	74.00	-20.67	peak
2	11650.000	38.78	5.64	44.42	54.00	-9.58	AVG
3	17475.000	44.25	11.22	55.47	68.20	-12.73	peak

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

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

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

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



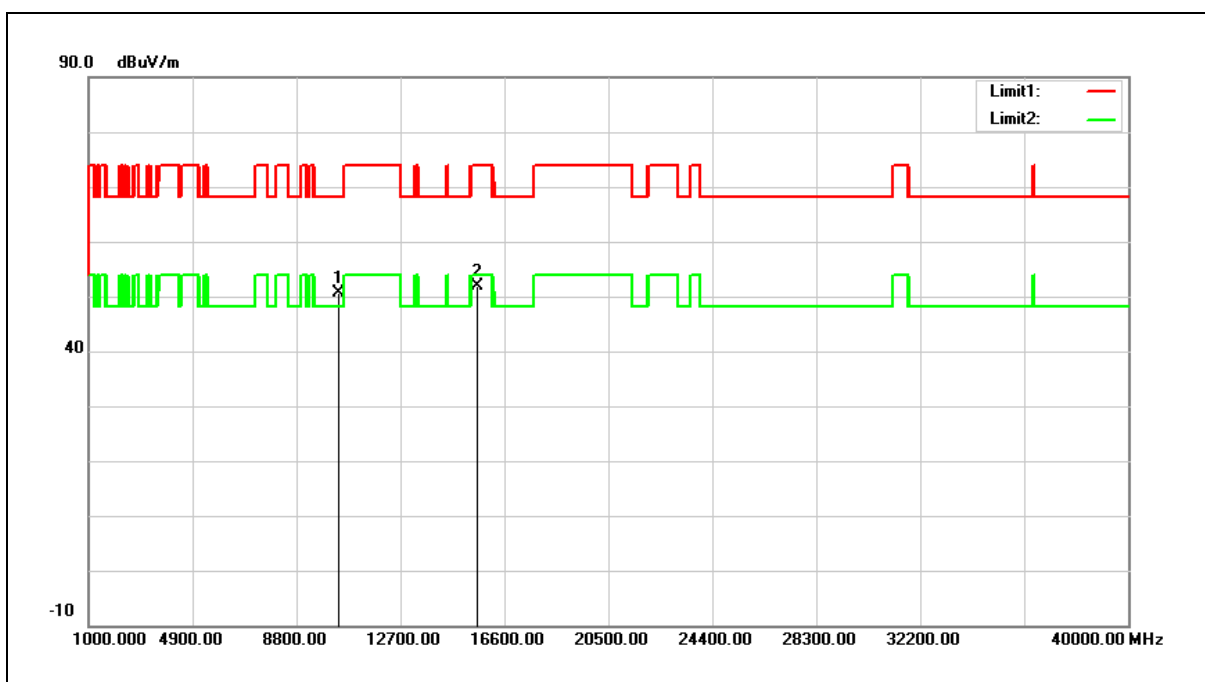
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	46.65	5.64	52.29	74.00	-21.71	peak
2	11650.000	38.57	5.64	44.21	54.00	-9.79	AVG
3	17475.000	43.86	11.22	55.08	68.20	-13.12	peak

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:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



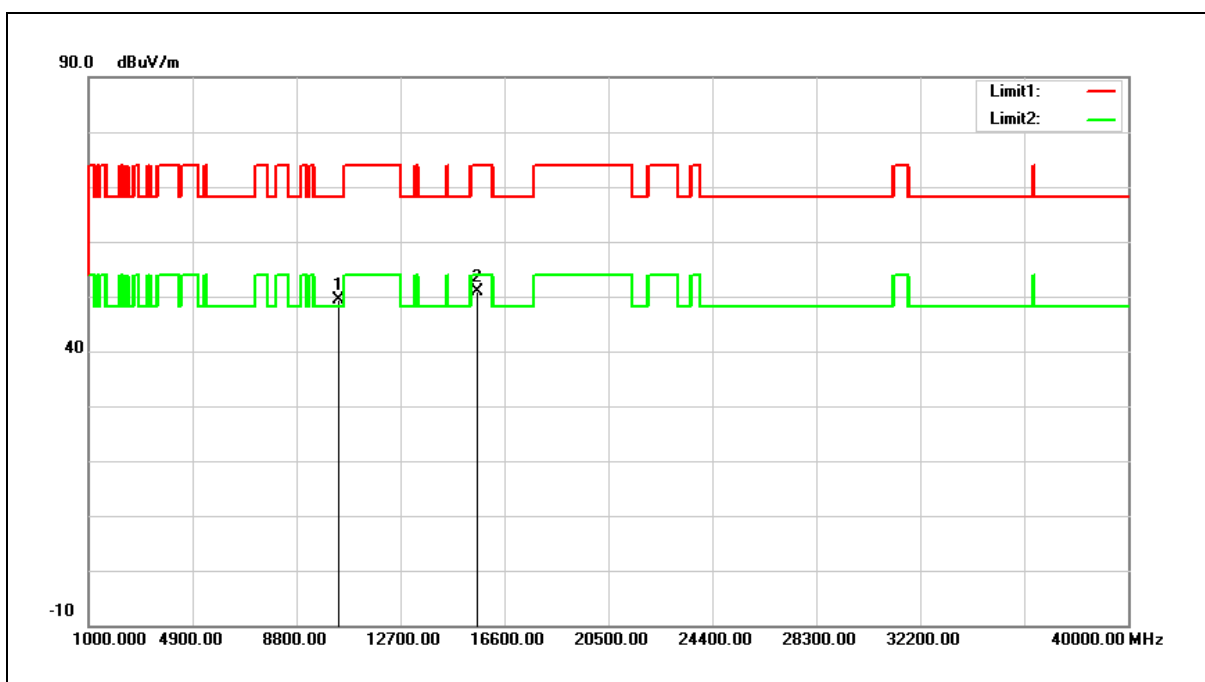
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	37.21	13.35	50.56	68.20	-17.64	peak
2	15570.000	36.07	15.72	51.79	74.00	-22.21	peak

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:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



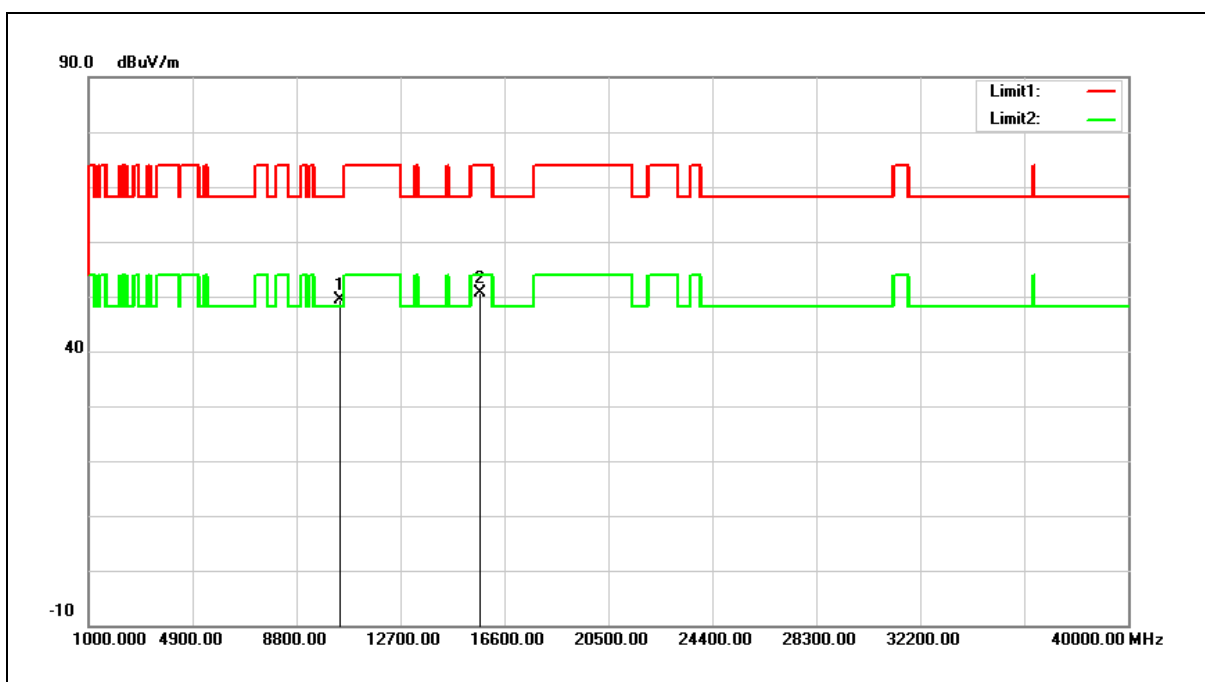
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	36.07	13.35	49.42	68.20	-18.78	peak
2	15570.000	35.13	15.72	50.85	74.00	-23.15	peak

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:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	35.84	13.63	49.47	68.20	-18.73	peak
2	15690.000	35.22	15.36	50.58	74.00	-23.42	peak

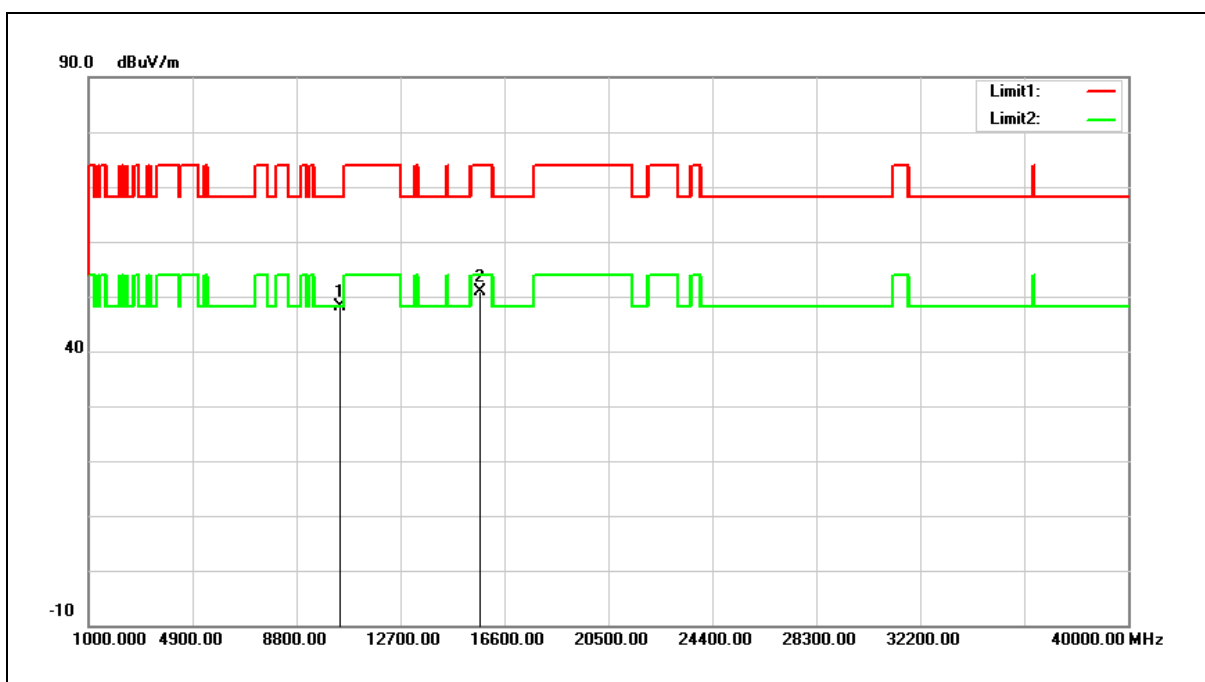
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



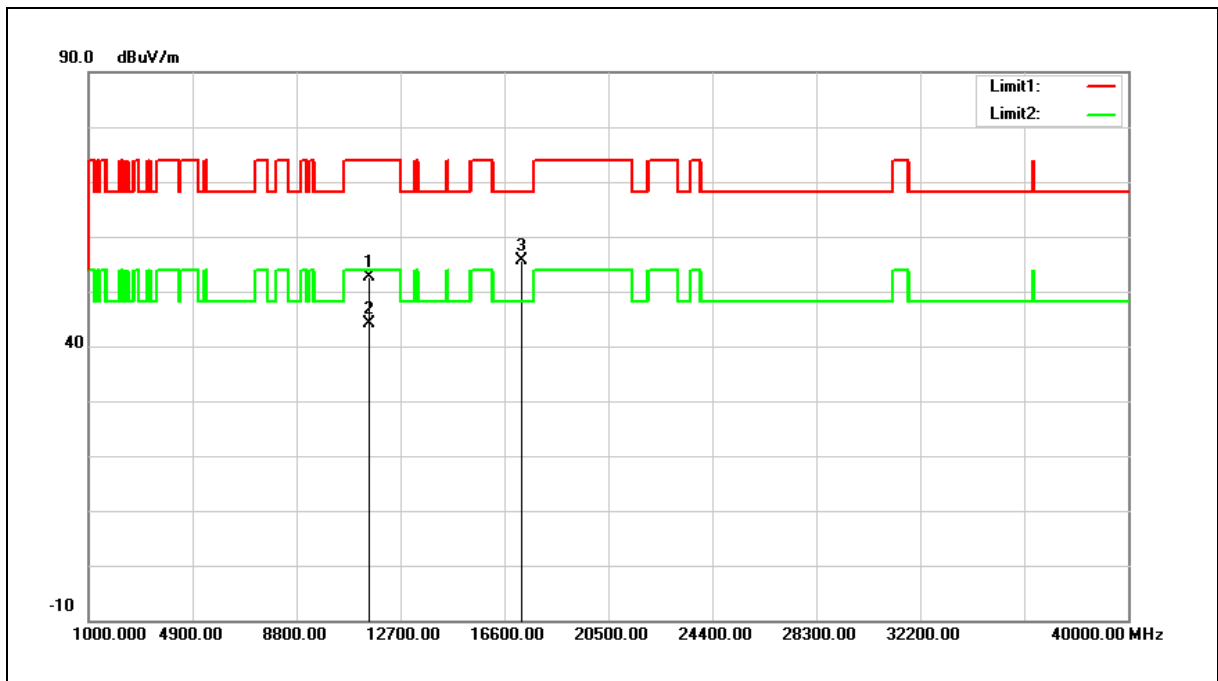
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	34.49	13.63	48.12	68.20	-20.08	peak
2	15690.000	35.40	15.36	50.76	74.00	-23.24	peak

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:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



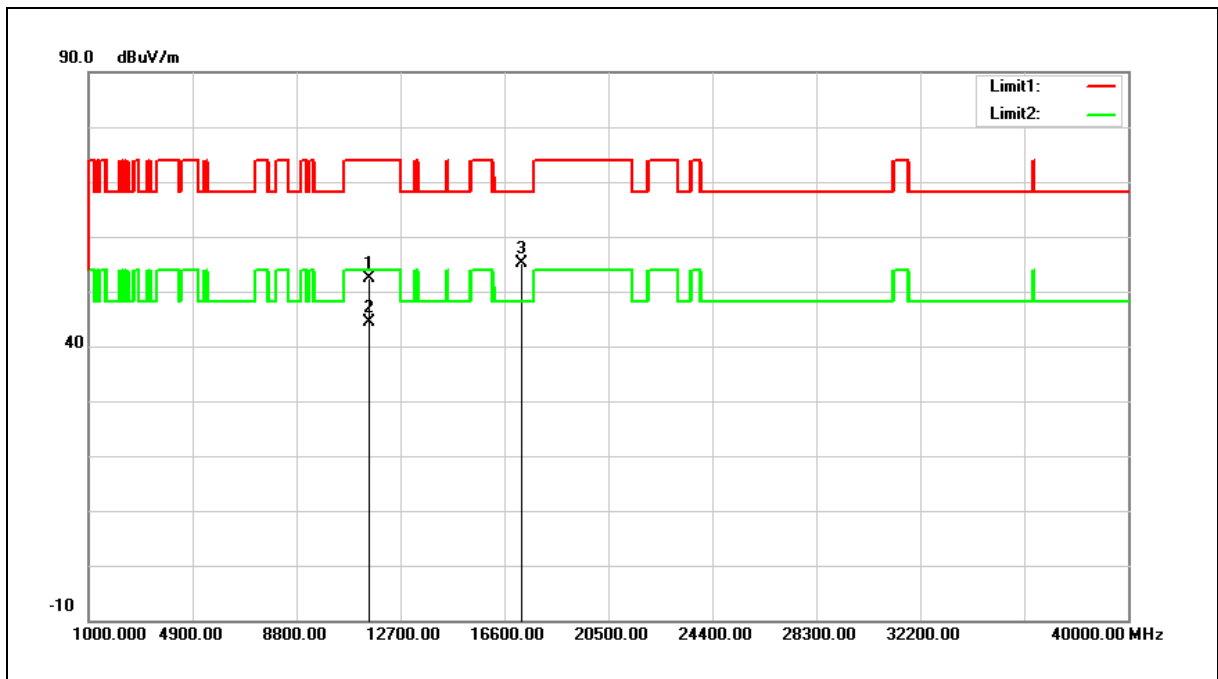
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	46.83	5.74	52.57	74.00	-21.43	peak
2	11510.000	38.39	5.74	44.13	54.00	-9.87	AVG
3	17265.000	45.00	10.69	55.69	68.20	-12.51	peak

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:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



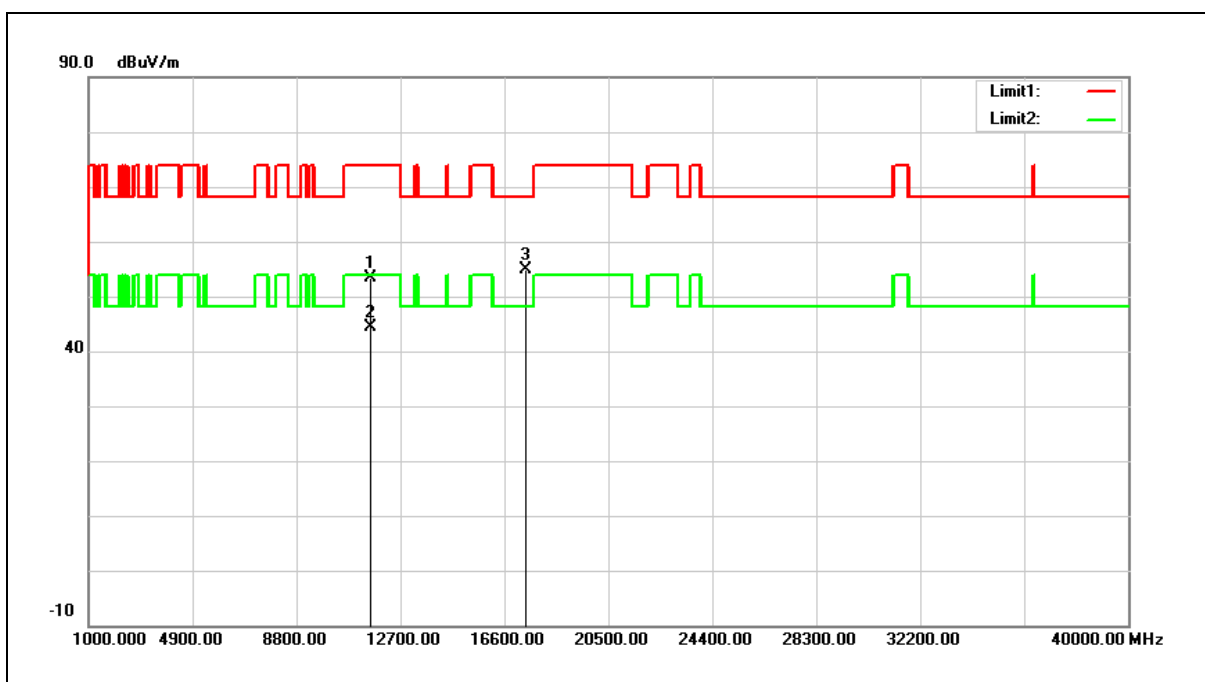
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	46.65	5.74	52.39	74.00	-21.61	peak
2	11510.000	38.73	5.74	44.47	54.00	-9.53	AVG
3	17265.000	44.43	10.69	55.12	68.20	-13.08	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



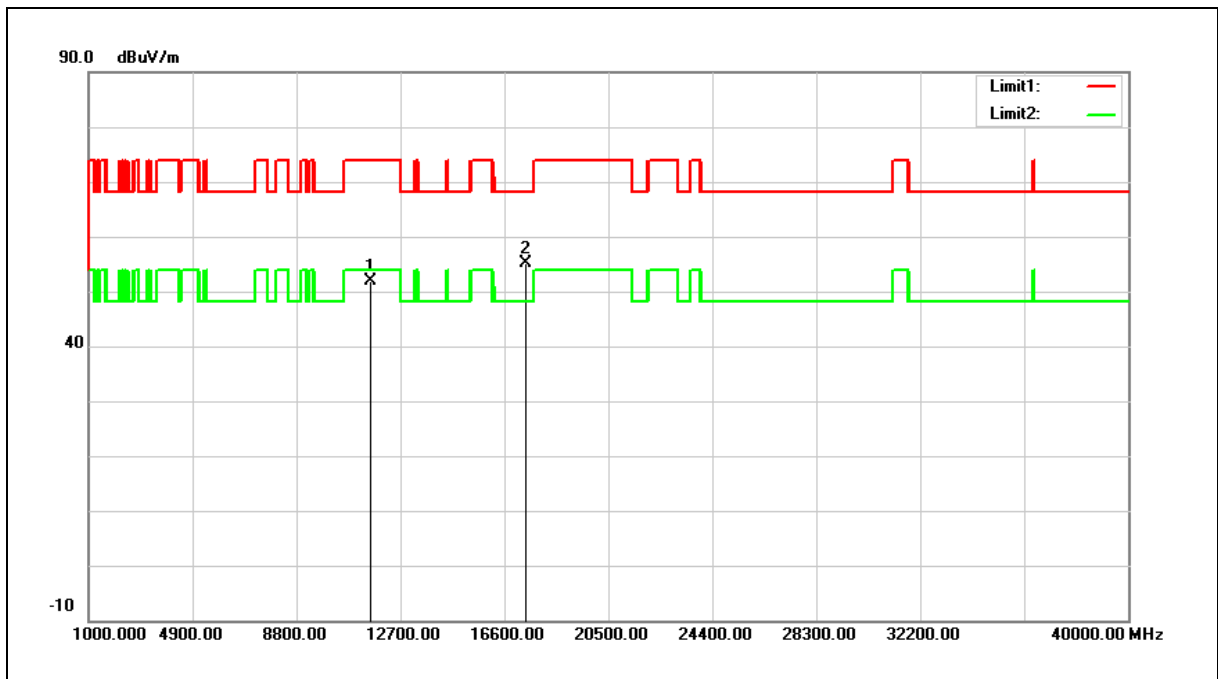
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	47.66	5.69	53.35	74.00	-20.65	peak
2	11590.000	38.60	5.69	44.29	54.00	-9.71	AVG
3	17385.000	43.98	10.99	54.97	68.20	-13.23	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



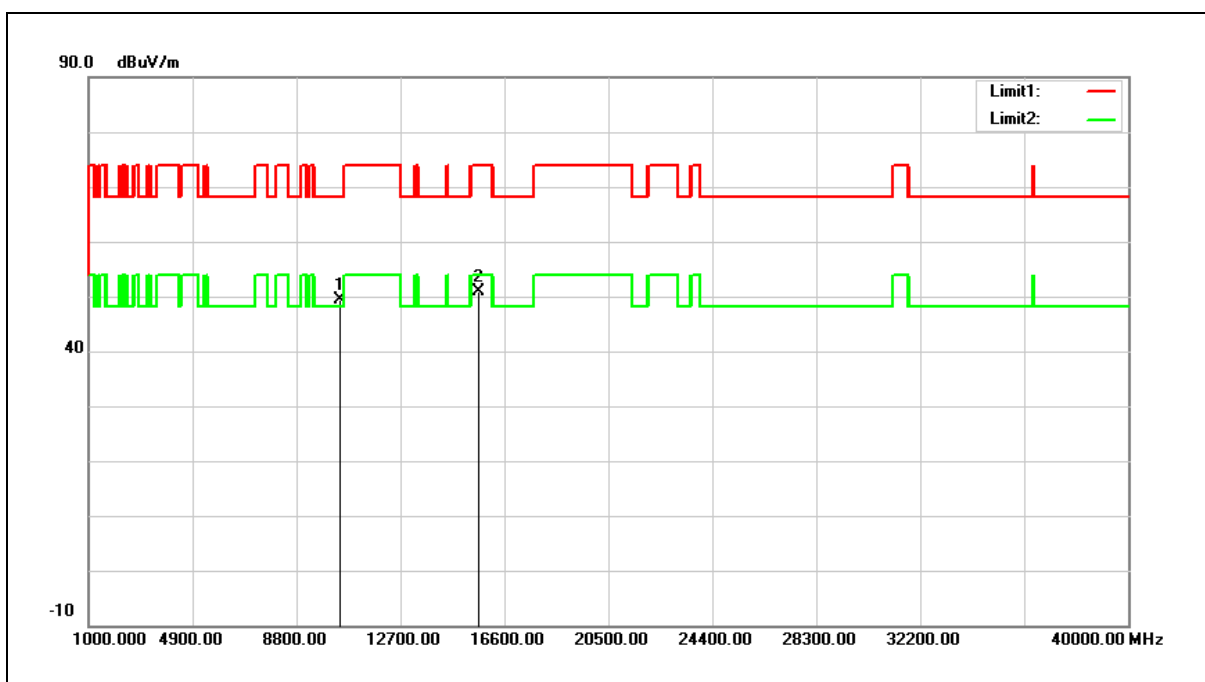
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	46.28	5.69	51.97	74.00	-22.03	peak
2	17385.000	44.21	10.99	55.20	68.20	-13.00	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



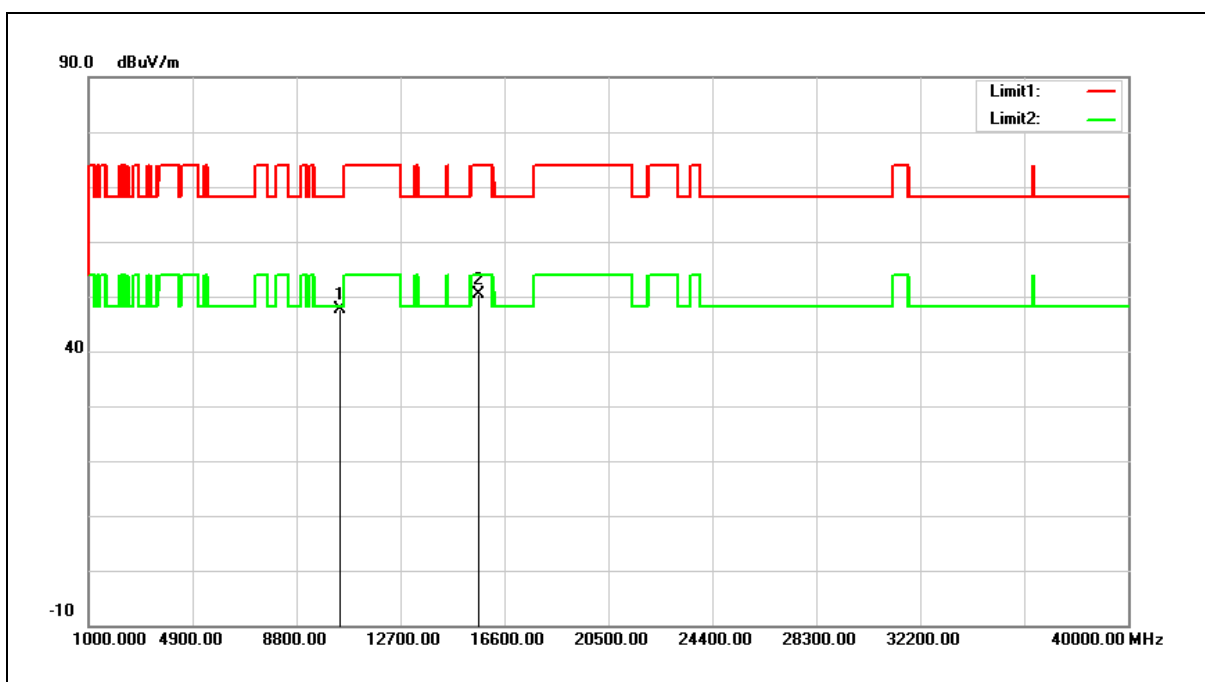
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	35.92	13.49	49.41	68.20	-18.79	peak
2	15630.000	35.24	15.55	50.79	74.00	-23.21	peak

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:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



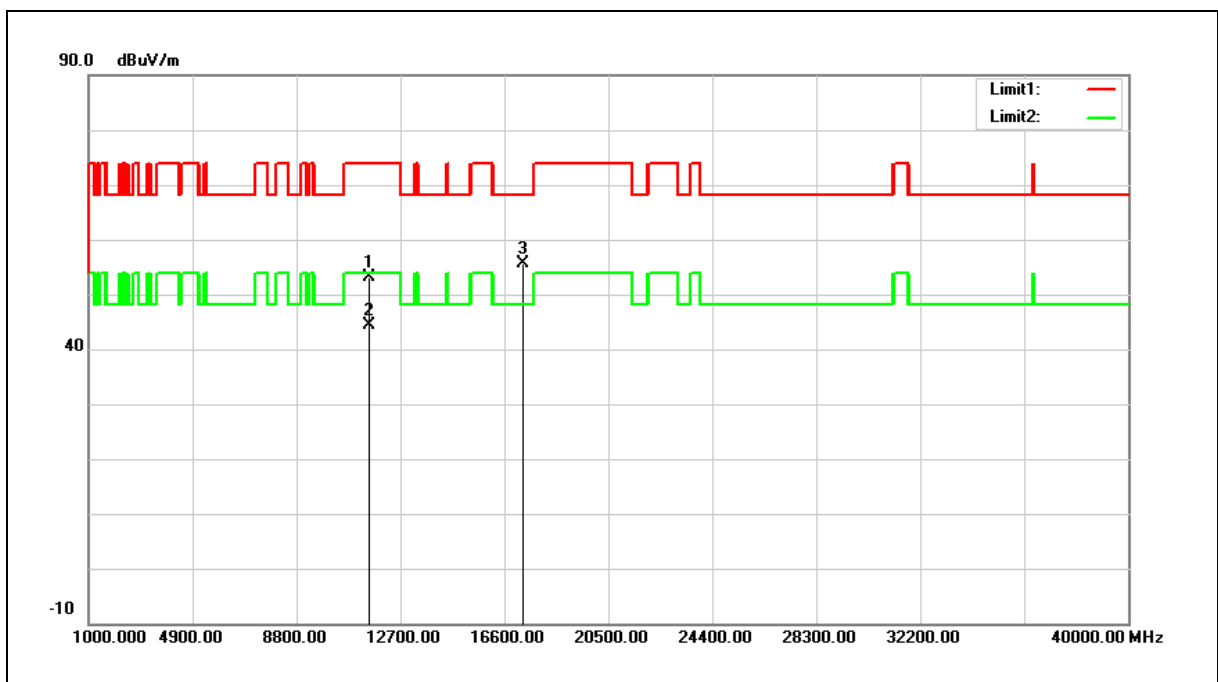
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	34.12	13.49	47.61	68.20	-20.59	peak
2	15630.000	34.78	15.55	50.33	74.00	-23.67	peak

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:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



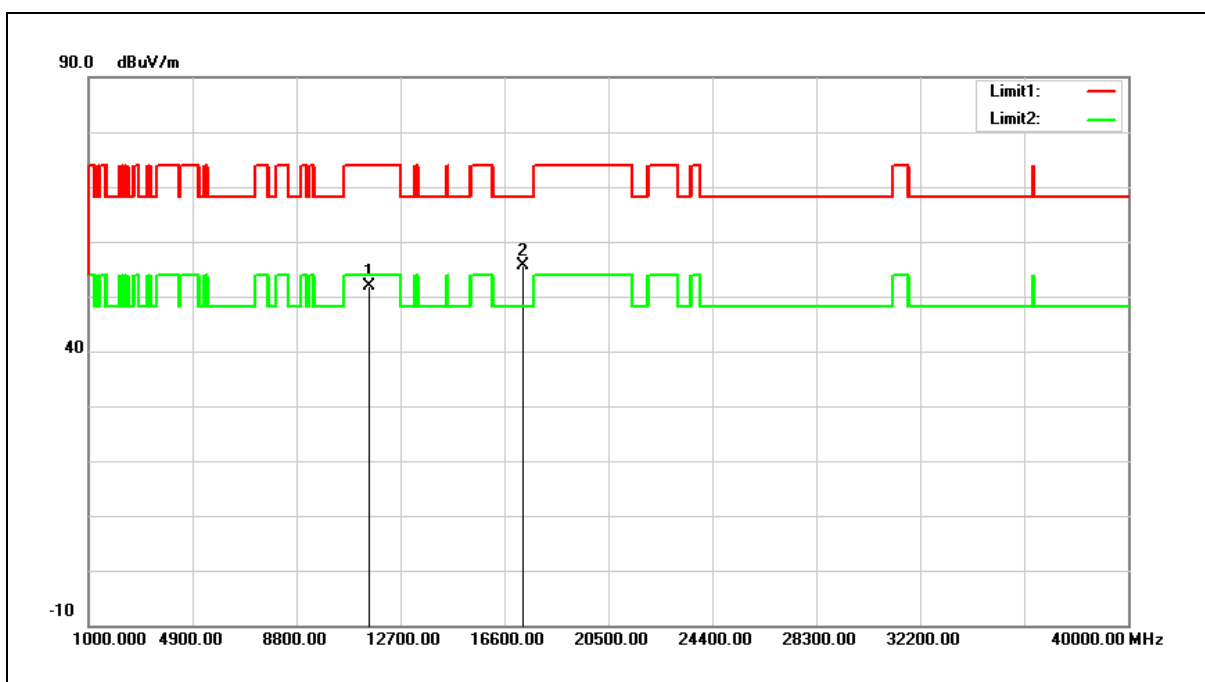
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	47.48	5.71	53.19	74.00	-20.81	peak
2	11550.000	38.61	5.71	44.32	54.00	-9.68	AVG
3	17325.000	44.87	10.84	55.71	68.20	-12.49	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



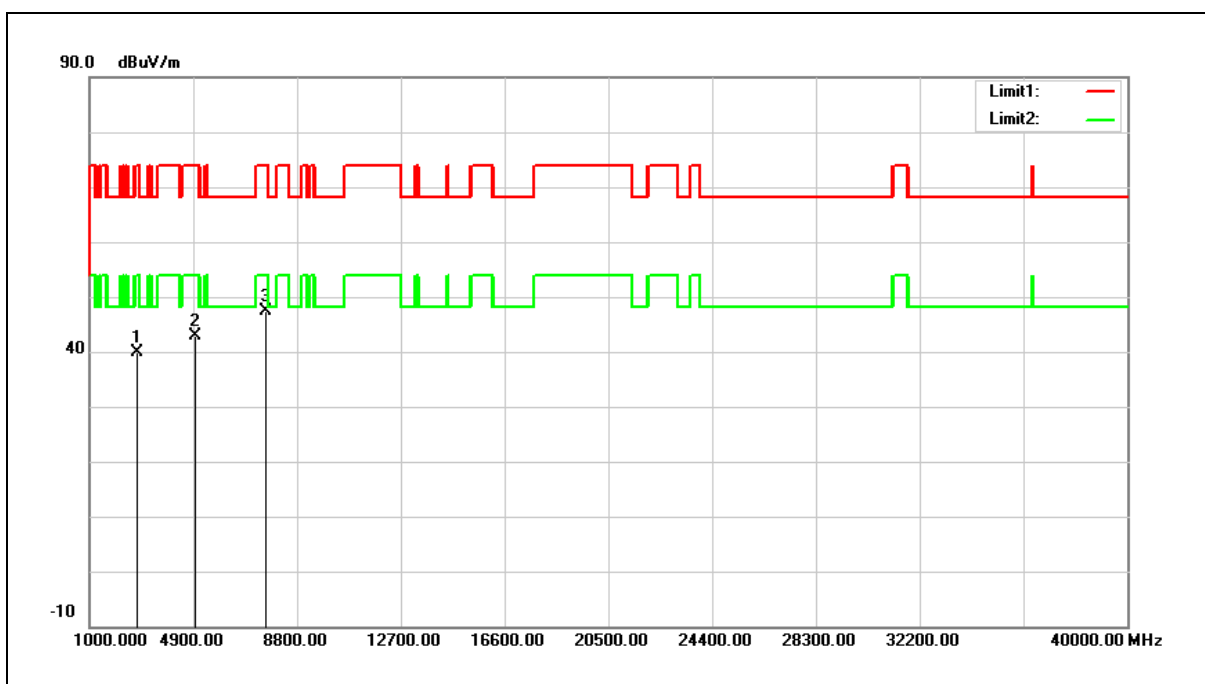
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	46.25	5.71	51.96	74.00	-22.04	peak
2	17325.000	44.71	10.84	55.55	68.20	-12.65	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions		
Test Mode:	Simultaneous Transmitting (DTS+NII)		
Ant.Polar.:	Horizontal		



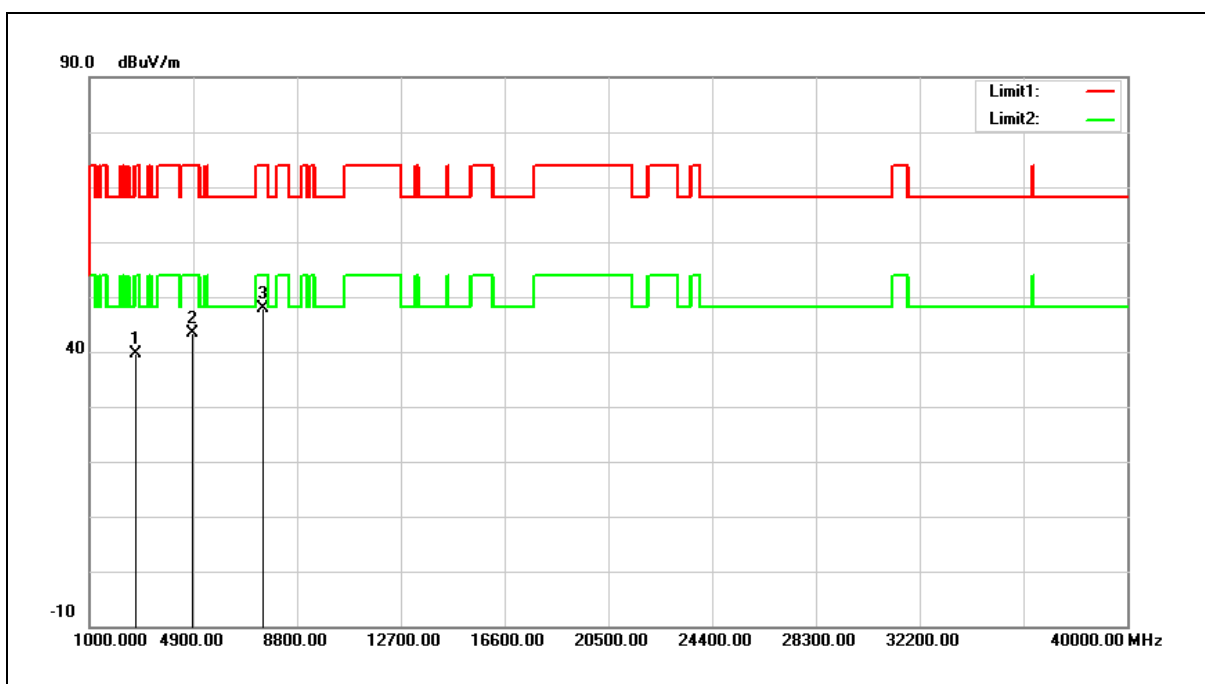
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	52.81	-13.02	39.79	74.00	-34.21	peak
2	4978.000	50.98	-8.21	42.77	74.00	-31.23	peak
3	7613.000	46.91	0.44	47.35	74.00	-26.65	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Transmitter Unwanted Emissions		
Test Mode:	Simultaneous Transmitting (DTS+NII)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	52.93	-13.26	39.67	74.00	-34.33	peak
2	4859.000	51.96	-8.52	43.44	74.00	-30.56	peak
3	7511.000	47.72	0.16	47.88	74.00	-26.12	peak

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

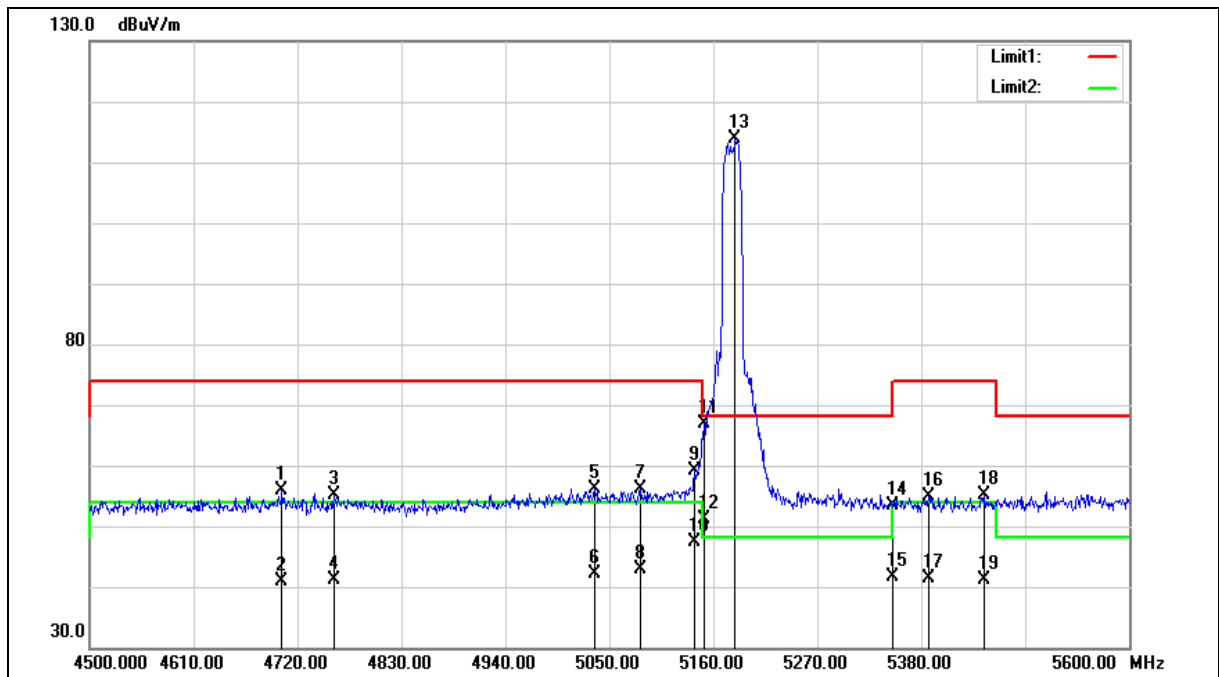
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
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	4703.500	53.36	2.55	55.91	74.00	-18.09	peak
2	4703.500	38.36	2.55	40.91	54.00	-13.09	AVG
3	4758.500	52.49	2.68	55.17	74.00	-18.83	peak
4	4758.500	38.41	2.68	41.09	54.00	-12.91	AVG
5	5034.600	52.81	3.32	56.13	74.00	-17.87	peak
6	5034.600	38.92	3.32	42.24	54.00	-11.76	AVG
7	5083.000	52.84	3.38	56.22	74.00	-17.78	peak
8	5083.000	39.62	3.38	43.00	54.00	-11.00	AVG
9	5140.200	55.71	3.46	59.17	74.00	-14.83	peak
10	5140.200	43.92	3.46	47.38	54.00	-6.62	AVG
11	5150.000	63.29	3.47	66.76	74.00	-7.24	peak
12	5150.000	47.74	3.47	51.21	54.00	-2.79	AVG
13	5183.100	110.46	3.52	113.98	--	--	peak
14	5350.000	49.73	3.73	53.46	74.00	-20.54	peak
15	5350.000	37.91	3.73	41.64	54.00	-12.36	AVG
16	5387.700	50.99	3.79	54.78	74.00	-19.22	peak
17	5387.700	37.52	3.79	41.31	54.00	-12.69	AVG
18	5447.100	51.15	3.86	55.01	74.00	-18.99	peak
19	5447.100	37.29	3.86	41.15	54.00	-12.85	AVG

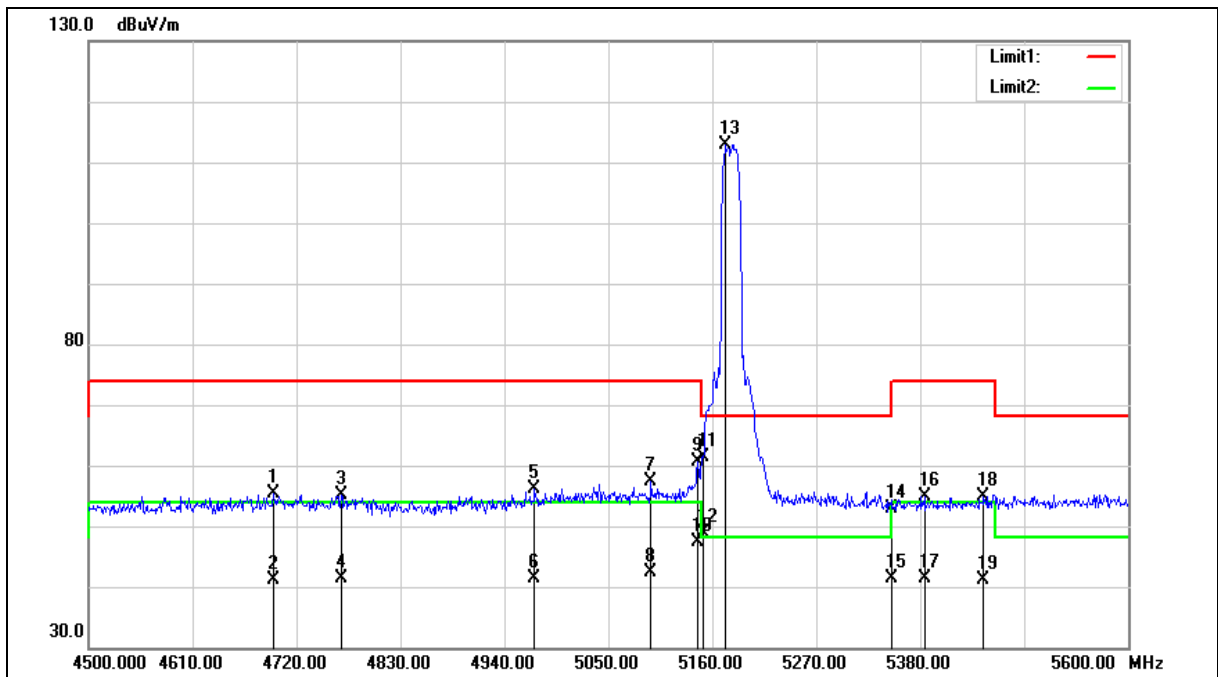
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
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	4695.800	52.79	2.52	55.31	74.00	-18.69	peak
2	4695.800	38.70	2.52	41.22	54.00	-12.78	AVG
3	4767.300	52.34	2.70	55.04	74.00	-18.96	peak
4	4767.300	38.60	2.70	41.30	54.00	-12.70	AVG
5	4971.900	52.81	3.21	56.02	74.00	-17.98	peak
6	4971.900	38.13	3.21	41.34	54.00	-12.66	AVG
7	5095.100	54.01	3.40	57.41	74.00	-16.59	peak
8	5095.100	38.90	3.40	42.30	54.00	-11.70	AVG
9	5144.600	57.18	3.47	60.65	74.00	-13.35	peak
10	5144.600	43.81	3.47	47.28	54.00	-6.72	AVG
11	5150.000	57.84	3.47	61.31	74.00	-12.69	peak
12	5150.000	45.30	3.47	48.77	54.00	-5.23	AVG
13	5174.300	109.43	3.50	112.93	--	--	peak
14	5350.000	49.23	3.73	52.96	74.00	-21.04	peak
15	5350.000	37.67	3.73	41.40	54.00	-12.60	AVG
16	5384.400	51.19	3.78	54.97	74.00	-19.03	peak
17	5384.400	37.57	3.78	41.35	54.00	-12.65	AVG
18	5447.100	51.09	3.86	54.95	74.00	-19.05	peak
19	5447.100	37.39	3.86	41.25	54.00	-12.75	AVG

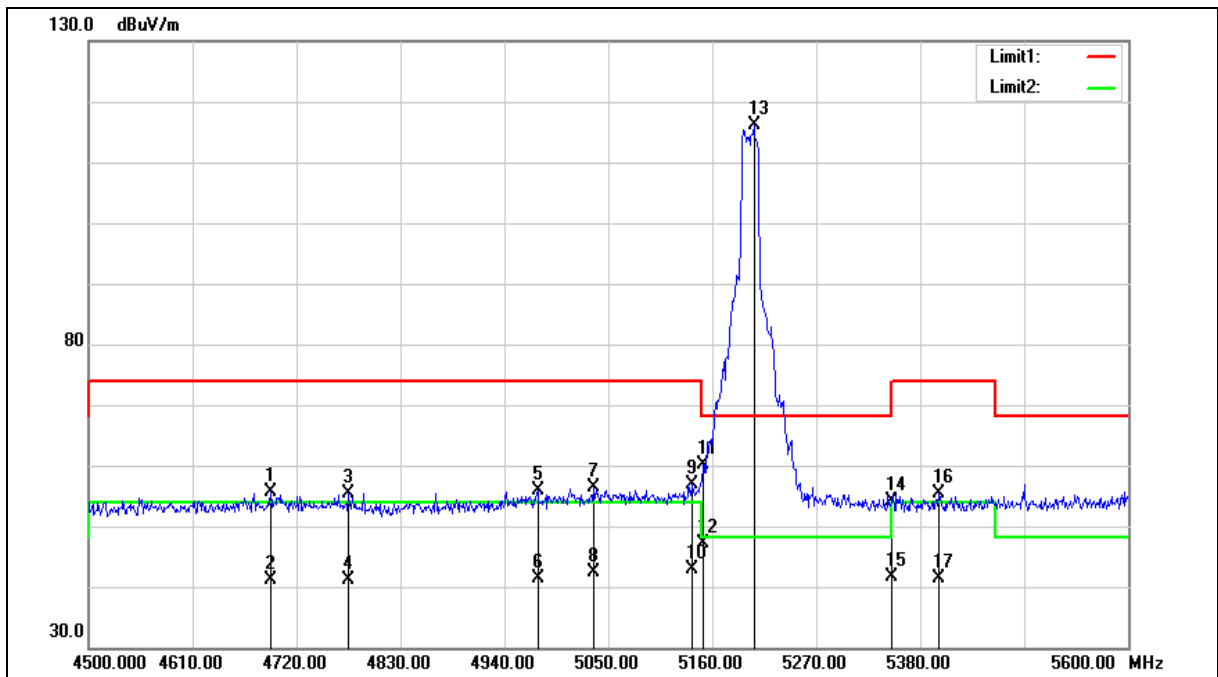
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4692.500	53.06	2.52	55.58	74.00	-18.42	peak
2	4692.500	38.53	2.52	41.05	54.00	-12.95	AVG
3	4775.000	52.59	2.71	55.30	74.00	-18.70	peak
4	4775.000	38.46	2.71	41.17	54.00	-12.83	AVG
5	4975.200	52.64	3.22	55.86	74.00	-18.14	peak
6	4975.200	38.28	3.22	41.50	54.00	-12.50	AVG
7	5034.600	53.13	3.32	56.45	74.00	-17.55	peak
8	5034.600	39.14	3.32	42.46	54.00	-11.54	AVG
9	5138.000	53.42	3.46	56.88	74.00	-17.12	peak
10	5138.000	39.47	3.46	42.93	54.00	-11.07	AVG
11	5150.000	56.55	3.47	60.02	74.00	-13.98	peak
12	5150.000	43.62	3.47	47.09	54.00	-6.91	AVG
13	5204.000	112.67	3.54	116.21	--	--	peak
14	5350.000	50.49	3.73	54.22	74.00	-19.78	peak
15	5350.000	37.97	3.73	41.70	54.00	-12.30	AVG
16	5399.800	51.46	3.80	55.26	74.00	-18.74	peak
17	5399.800	37.54	3.80	41.34	54.00	-12.66	AVG

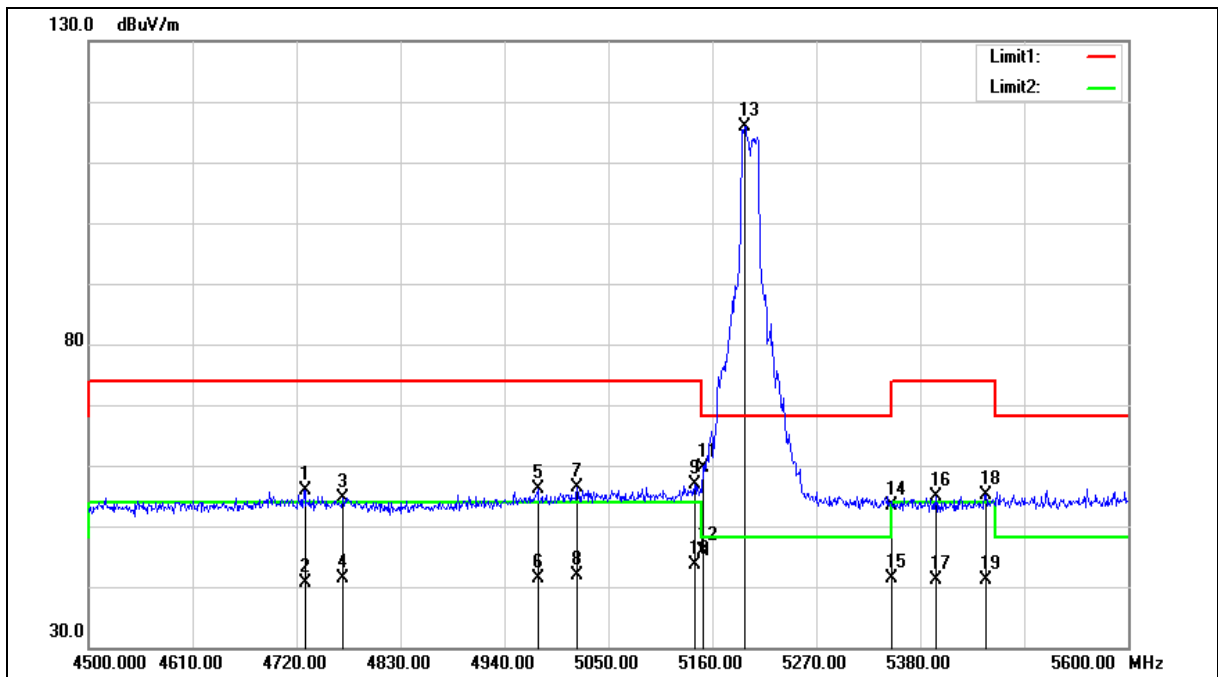
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
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	4728.800	53.20	2.61	55.81	74.00	-18.19	peak
2	4728.800	38.02	2.61	40.63	54.00	-13.37	AVG
3	4769.500	52.00	2.71	54.71	74.00	-19.29	peak
4	4769.500	38.55	2.71	41.26	54.00	-12.74	AVG
5	4975.200	52.84	3.22	56.06	74.00	-17.94	peak
6	4975.200	38.21	3.22	41.43	54.00	-12.57	AVG
7	5017.000	53.06	3.29	56.35	74.00	-17.65	peak
8	5017.000	38.51	3.29	41.80	54.00	-12.20	AVG
9	5141.300	53.38	3.46	56.84	74.00	-17.16	peak
10	5141.300	40.13	3.46	43.59	54.00	-10.41	AVG
11	5150.000	56.13	3.47	59.60	74.00	-14.40	peak
12	5150.000	42.42	3.47	45.89	54.00	-8.11	AVG
13	5194.100	112.37	3.53	115.90	--	--	peak
14	5350.000	49.55	3.73	53.28	74.00	-20.72	peak
15	5350.000	37.61	3.73	41.34	54.00	-12.66	AVG
16	5396.500	51.11	3.80	54.91	74.00	-19.09	peak
17	5396.500	37.42	3.80	41.22	54.00	-12.78	AVG
18	5449.300	51.23	3.87	55.10	74.00	-18.90	peak
19	5449.300	37.30	3.87	41.17	54.00	-12.83	AVG

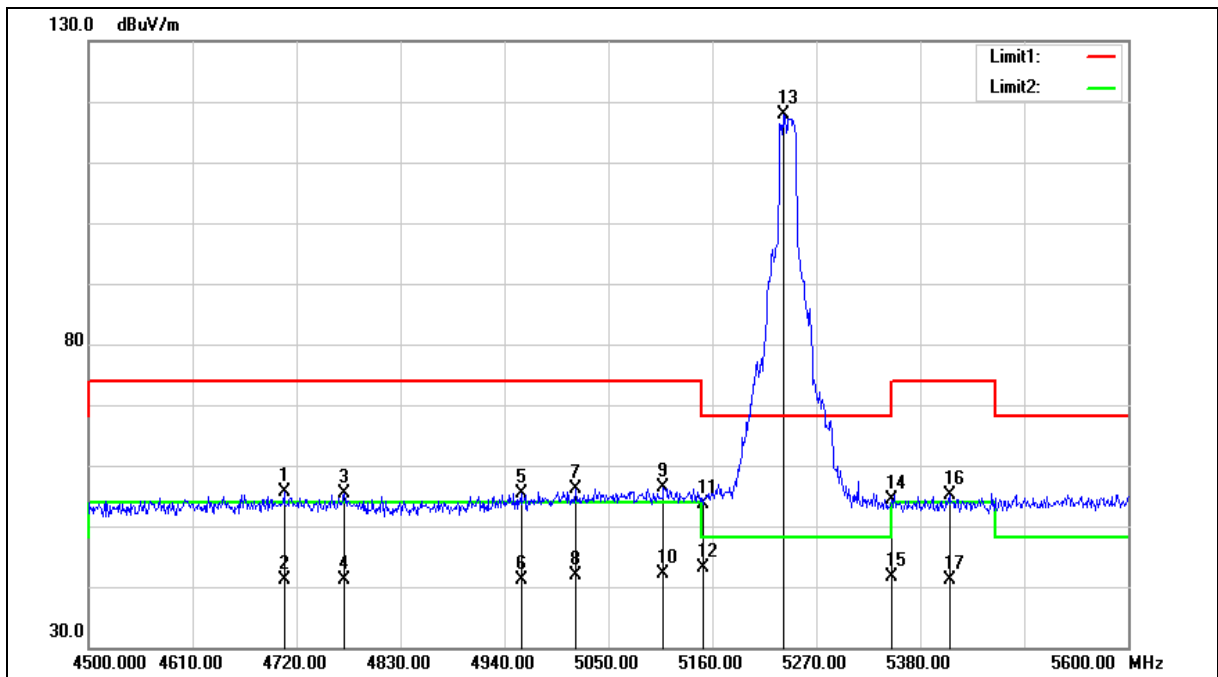
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4706.800	53.08	2.55	55.63	74.00	-18.37	peak
2	4706.800	38.67	2.55	41.22	54.00	-12.78	AVG
3	4770.600	52.65	2.71	55.36	74.00	-18.64	peak
4	4770.600	38.48	2.71	41.19	54.00	-12.81	AVG
5	4957.600	52.19	3.16	55.35	74.00	-18.65	peak
6	4957.600	38.04	3.16	41.20	54.00	-12.80	AVG
7	5014.800	52.81	3.29	56.10	74.00	-17.90	peak
8	5014.800	38.57	3.29	41.86	54.00	-12.14	AVG
9	5108.300	52.98	3.41	56.39	74.00	-17.61	peak
10	5108.300	38.83	3.41	42.24	54.00	-11.76	AVG
11	5150.000	50.28	3.47	53.75	74.00	-20.25	peak
12	5150.000	39.59	3.47	43.06	54.00	-10.94	AVG
13	5234.800	114.19	3.58	117.77	--	--	peak
14	5350.000	50.66	3.73	54.39	74.00	-19.61	peak
15	5350.000	38.01	3.73	41.74	54.00	-12.26	AVG
16	5410.800	51.19	3.82	55.01	74.00	-18.99	peak
17	5410.800	37.37	3.82	41.19	54.00	-12.81	AVG

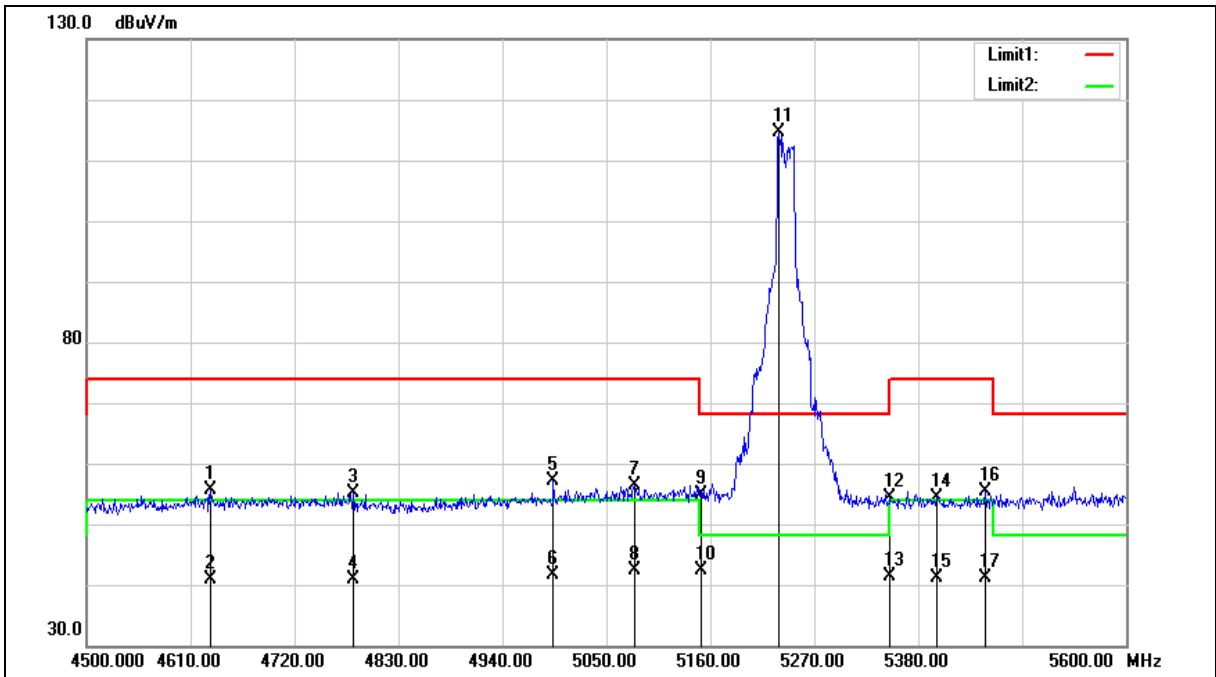
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
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	4630.900	53.22	2.37	55.59	74.00	-18.41	peak
2	4630.900	38.39	2.37	40.76	54.00	-13.24	AVG
3	4782.700	52.33	2.75	55.08	74.00	-18.92	peak
4	4782.700	38.14	2.75	40.89	54.00	-13.11	AVG
5	4993.900	53.97	3.26	57.23	74.00	-16.77	peak
6	4993.900	38.35	3.26	41.61	54.00	-12.39	AVG
7	5079.700	52.99	3.37	56.36	74.00	-17.64	peak
8	5079.700	38.93	3.37	42.30	54.00	-11.70	AVG
9	5150.000	51.47	3.47	54.94	74.00	-19.06	peak
10	5150.000	38.87	3.47	42.34	54.00	-11.66	AVG
11	5232.600	111.07	3.58	114.65	--	--	peak
12	5350.000	50.60	3.73	54.33	74.00	-19.67	peak
13	5350.000	37.60	3.73	41.33	54.00	-12.67	AVG
14	5399.800	50.66	3.80	54.46	74.00	-19.54	peak
15	5399.800	37.39	3.80	41.19	54.00	-12.81	AVG
16	5450.400	51.42	3.87	55.29	74.00	-18.71	peak
17	5450.400	37.27	3.87	41.14	54.00	-12.86	AVG

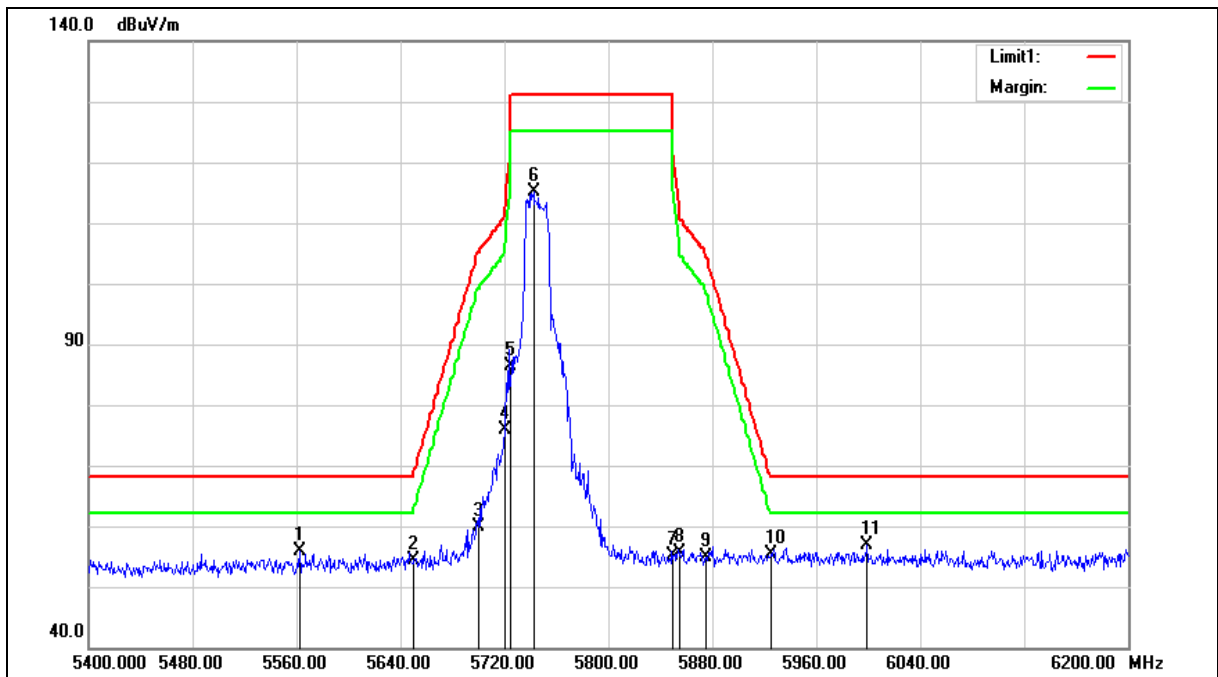
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5562.400	51.75	4.06	55.81	68.20	-12.39	peak
2	5650.000	50.02	4.24	54.26	68.20	-13.94	peak
3	5700.000	55.47	4.34	59.81	105.20	-45.39	peak
4	5720.000	71.44	4.38	75.82	110.80	-34.98	peak
5	5725.000	81.97	4.39	86.36	122.20	-35.84	peak
6	5742.400	110.78	4.43	115.21	--	--	peak
7	5850.000	50.52	4.65	55.17	122.20	-67.03	peak
8	5855.000	51.04	4.66	55.70	110.80	-55.10	peak
9	5875.000	50.20	4.70	54.90	105.20	-50.30	peak
10	5925.000	50.52	4.81	55.33	68.20	-12.87	peak
11	5999.200	51.84	4.96	56.80	68.20	-11.40	peak

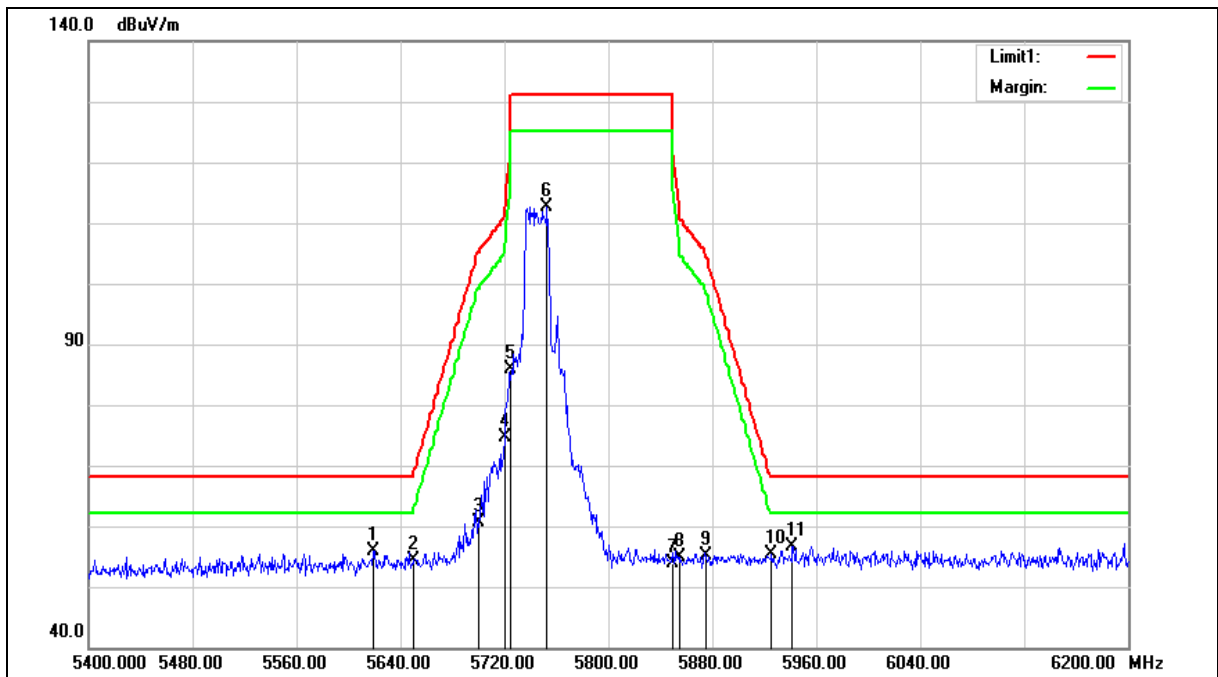
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
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	5619.200	51.73	4.17	55.90	68.20	-12.30	peak
2	5650.000	50.09	4.24	54.33	68.20	-13.87	peak
3	5700.000	56.41	4.34	60.75	105.20	-44.45	peak
4	5720.000	70.37	4.38	74.75	110.80	-36.05	peak
5	5725.000	81.46	4.39	85.85	122.20	-36.35	peak
6	5752.800	108.24	4.45	112.69	--	--	peak
7	5850.000	49.27	4.65	53.92	122.20	-68.28	peak
8	5855.000	50.22	4.66	54.88	110.80	-55.92	peak
9	5875.000	50.35	4.70	55.05	105.20	-50.15	peak
10	5925.000	50.49	4.81	55.30	68.20	-12.90	peak
11	5941.600	51.81	4.85	56.66	68.20	-11.54	peak

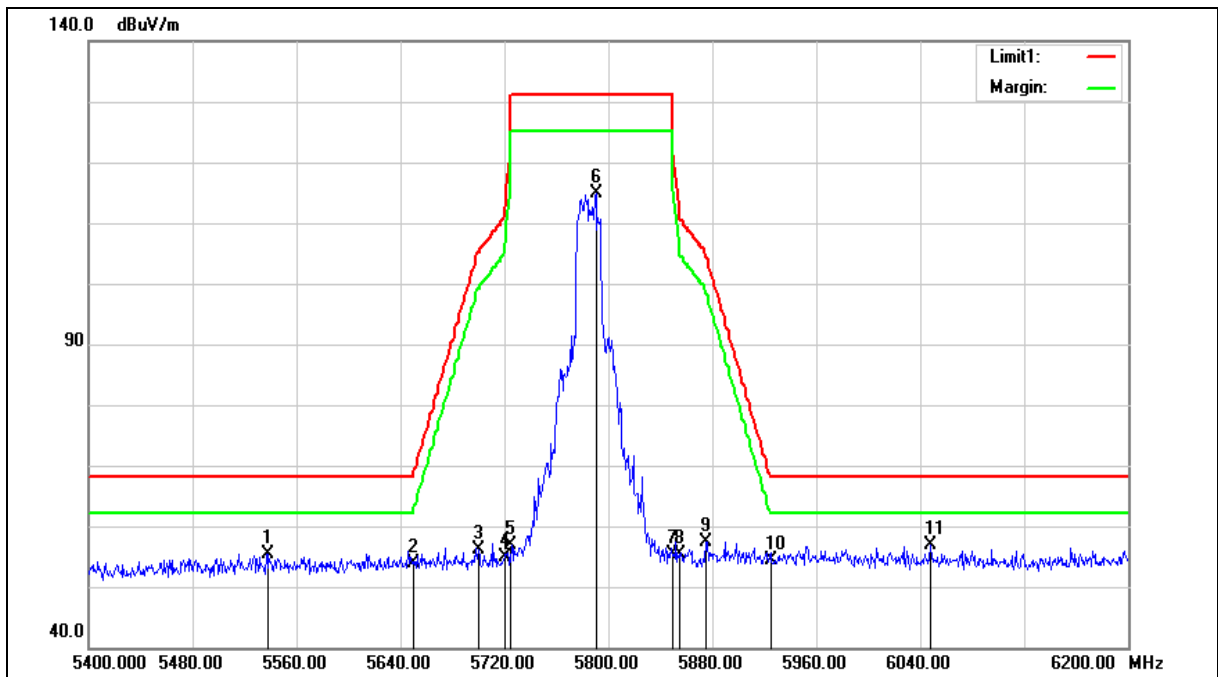
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5538.400	51.30	4.01	55.31	68.20	-12.89	peak
2	5650.000	49.53	4.24	53.77	68.20	-14.43	peak
3	5700.000	51.90	4.34	56.24	105.20	-48.96	peak
4	5720.000	50.47	4.38	54.85	110.80	-55.95	peak
5	5725.000	52.38	4.39	56.77	122.20	-65.43	peak
6	5790.400	110.29	4.52	114.81	--	--	peak
7	5850.000	50.72	4.65	55.37	122.20	-66.83	peak
8	5855.000	50.77	4.66	55.43	110.80	-55.37	peak
9	5875.000	52.72	4.70	57.42	105.20	-47.78	peak
10	5925.000	49.46	4.81	54.27	68.20	-13.93	peak
11	6048.000	51.65	5.11	56.76	68.20	-11.44	peak

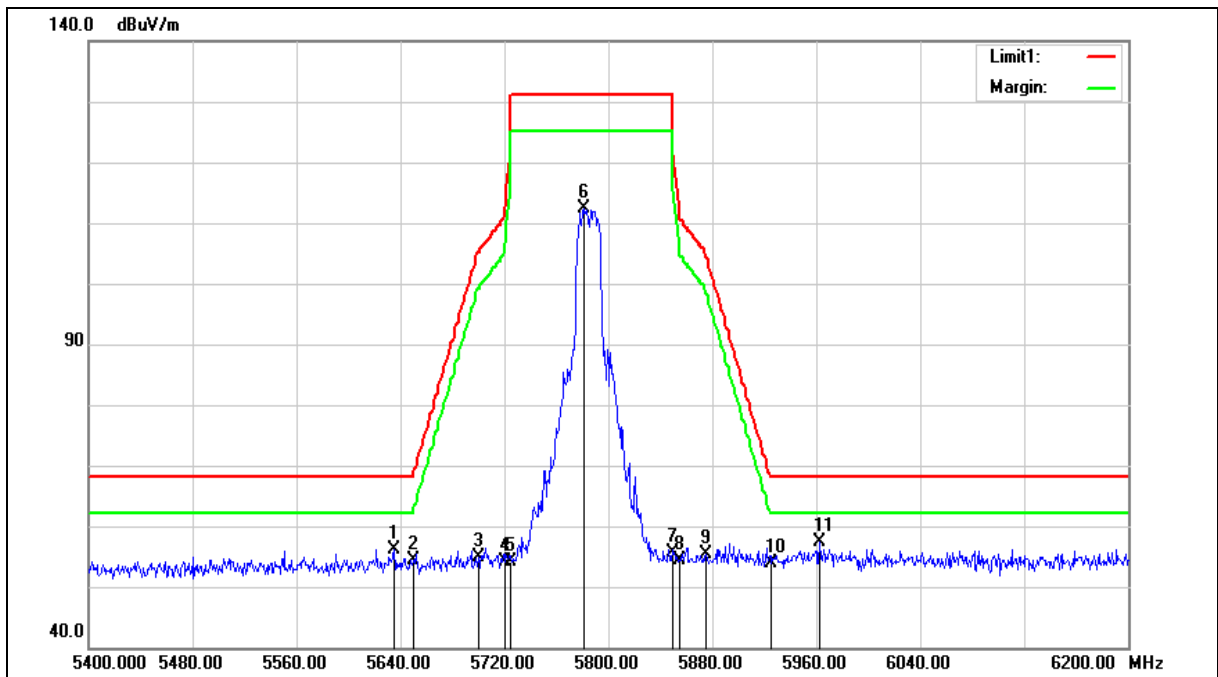
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
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	5635.200	51.94	4.22	56.16	68.20	-12.04	peak
2	5650.000	50.16	4.24	54.40	68.20	-13.80	peak
3	5700.000	50.44	4.34	54.78	105.20	-50.42	peak
4	5720.000	49.72	4.38	54.10	110.80	-56.70	peak
5	5725.000	49.68	4.39	54.07	122.20	-68.13	peak
6	5780.800	107.91	4.51	112.42	--	--	peak
7	5850.000	50.89	4.65	55.54	122.20	-66.66	peak
8	5855.000	49.82	4.66	54.48	110.80	-56.32	peak
9	5875.000	50.64	4.70	55.34	105.20	-49.86	peak
10	5925.000	48.97	4.81	53.78	68.20	-14.42	peak
11	5962.400	52.48	4.88	57.36	68.20	-10.84	peak

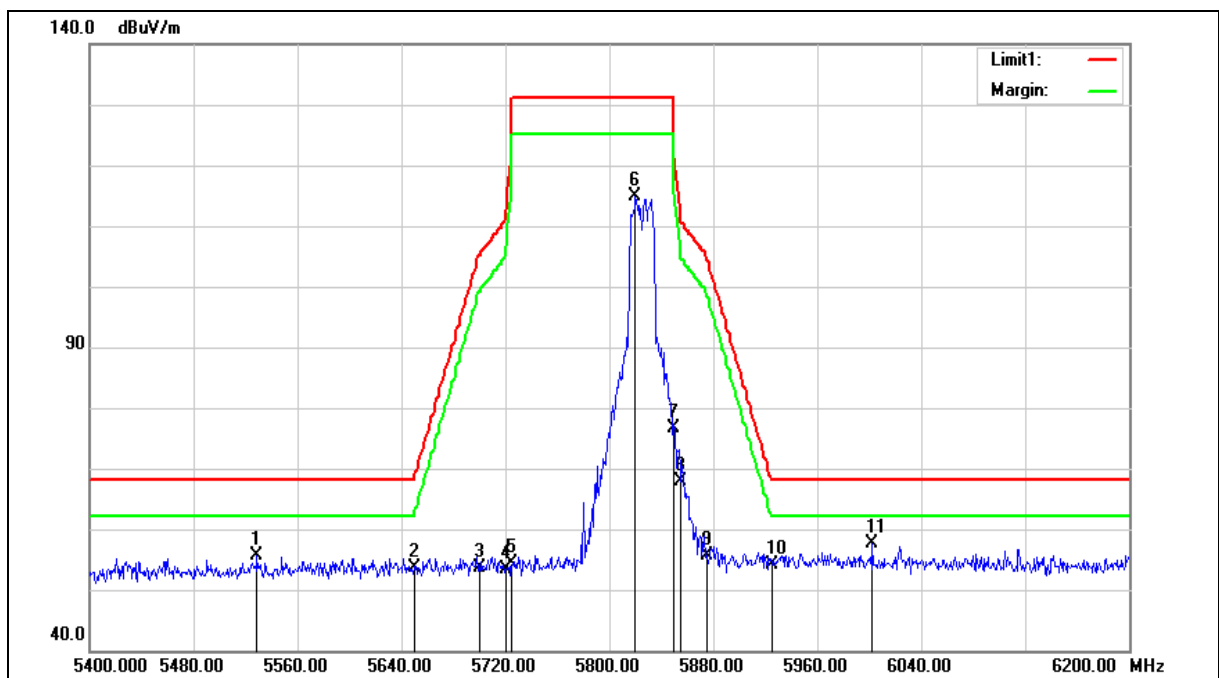
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5528.800	51.61	3.99	55.60	68.20	-12.60	peak
2	5650.000	49.49	4.24	53.73	68.20	-14.47	peak
3	5700.000	49.26	4.34	53.60	105.20	-51.60	peak
4	5720.000	49.11	4.38	53.49	110.80	-57.31	peak
5	5725.000	50.06	4.39	54.45	122.20	-67.75	peak
6	5820.000	110.29	4.58	114.87	--	--	peak
7	5850.000	71.97	4.65	76.62	122.20	-45.58	peak
8	5855.000	63.24	4.66	67.90	110.80	-42.90	peak
9	5875.000	50.89	4.70	55.59	105.20	-49.61	peak
10	5925.000	49.41	4.81	54.22	68.20	-13.98	peak
11	6002.400	52.64	4.97	57.61	68.20	-10.59	peak

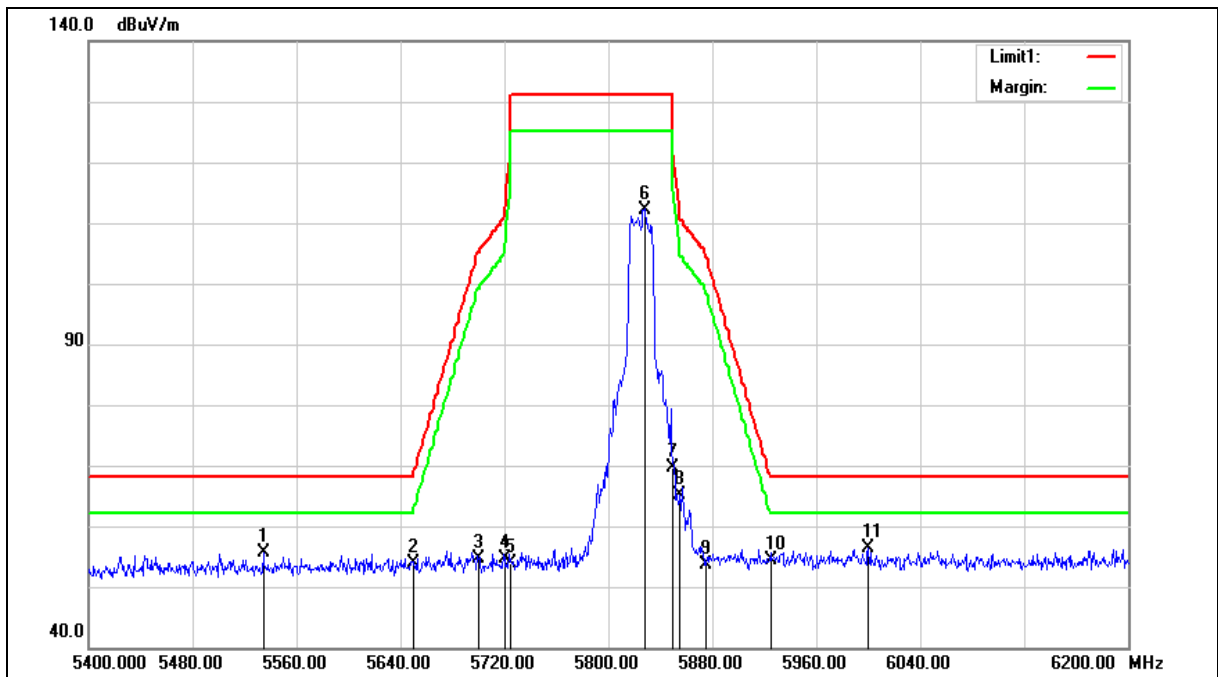
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
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	5534.400	51.60	4.00	55.60	68.20	-12.60	peak
2	5650.000	49.53	4.24	53.77	68.20	-14.43	peak
3	5700.000	50.33	4.34	54.67	105.20	-50.53	peak
4	5720.000	50.29	4.38	54.67	110.80	-56.13	peak
5	5725.000	49.42	4.39	53.81	122.20	-68.39	peak
6	5828.000	107.65	4.60	112.25	--	--	peak
7	5850.000	64.86	4.65	69.51	122.20	-52.69	peak
8	5855.000	60.59	4.66	65.25	110.80	-45.55	peak
9	5875.000	48.96	4.70	53.66	105.20	-51.54	peak
10	5925.000	49.55	4.81	54.36	68.20	-13.84	peak
11	6000.000	51.42	4.96	56.38	68.20	-11.82	peak

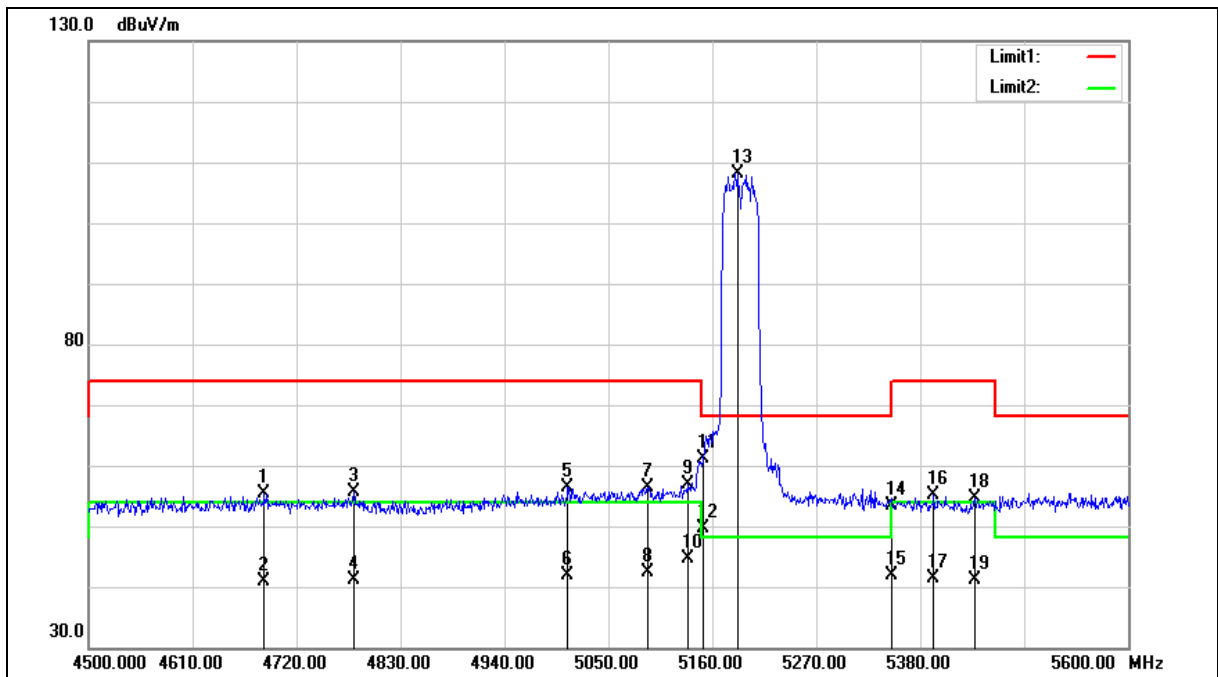
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4685.900	52.81	2.50	55.31	74.00	-18.69	peak
2	4685.900	38.49	2.50	40.99	54.00	-13.01	AVG
3	4780.500	52.86	2.72	55.58	74.00	-18.42	peak
4	4780.500	38.34	2.72	41.06	54.00	-12.94	AVG
5	5007.100	53.21	3.28	56.49	74.00	-17.51	peak
6	5007.100	38.68	3.28	41.96	54.00	-12.04	AVG
7	5091.800	53.01	3.38	56.39	74.00	-17.61	peak
8	5091.800	39.10	3.38	42.48	54.00	-11.52	AVG
9	5133.600	53.43	3.45	56.88	74.00	-17.12	peak
10	5133.600	41.21	3.45	44.66	54.00	-9.34	AVG
11	5150.000	57.67	3.47	61.14	74.00	-12.86	peak
12	5150.000	46.12	3.47	49.59	54.00	-4.41	AVG
13	5186.400	104.69	3.52	108.21	--	--	peak
14	5350.000	49.58	3.73	53.31	74.00	-20.69	peak
15	5350.000	38.12	3.73	41.85	54.00	-12.15	AVG
16	5394.300	51.42	3.80	55.22	74.00	-18.78	peak
17	5394.300	37.63	3.80	41.43	54.00	-12.57	AVG
18	5437.200	50.74	3.85	54.59	74.00	-19.41	peak
19	5437.200	37.34	3.85	41.19	54.00	-12.81	AVG

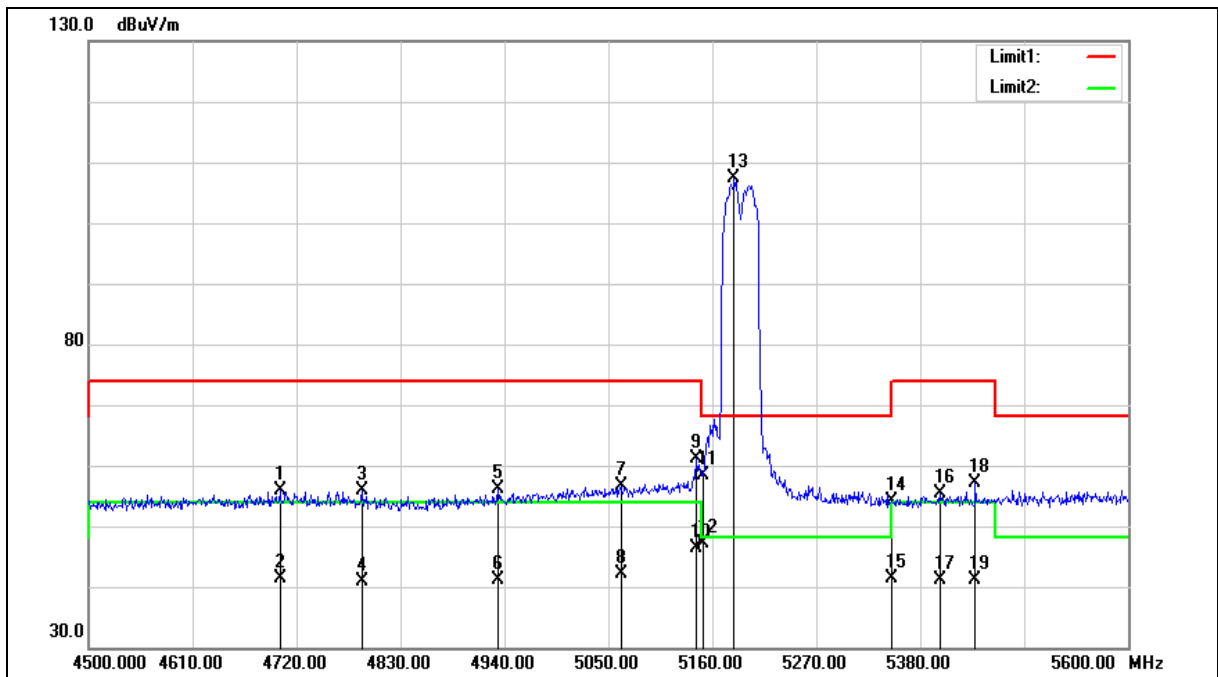
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4702.400	53.28	2.54	55.82	74.00	-18.18	peak
2	4702.400	38.76	2.54	41.30	54.00	-12.70	AVG
3	4789.300	53.11	2.76	55.87	74.00	-18.13	peak
4	4789.300	38.04	2.76	40.80	54.00	-13.20	AVG
5	4933.400	52.96	3.11	56.07	74.00	-17.93	peak
6	4933.400	37.95	3.11	41.06	54.00	-12.94	AVG
7	5063.200	53.26	3.35	56.61	74.00	-17.39	peak
8	5063.200	38.78	3.35	42.13	54.00	-11.87	AVG
9	5143.500	57.73	3.46	61.19	74.00	-12.81	peak
10	5143.500	42.83	3.46	46.29	54.00	-7.71	AVG
11	5150.000	54.95	3.47	58.42	74.00	-15.58	peak
12	5150.000	43.69	3.47	47.16	54.00	-6.84	AVG
13	5183.100	103.84	3.52	107.36	--	--	peak
14	5350.000	50.30	3.73	54.03	74.00	-19.97	peak
15	5350.000	37.60	3.73	41.33	54.00	-12.67	AVG
16	5400.900	51.46	3.80	55.26	74.00	-18.74	peak
17	5400.900	37.41	3.80	41.21	54.00	-12.79	AVG
18	5438.300	53.21	3.85	57.06	74.00	-16.94	peak
19	5438.300	37.34	3.85	41.19	54.00	-12.81	AVG

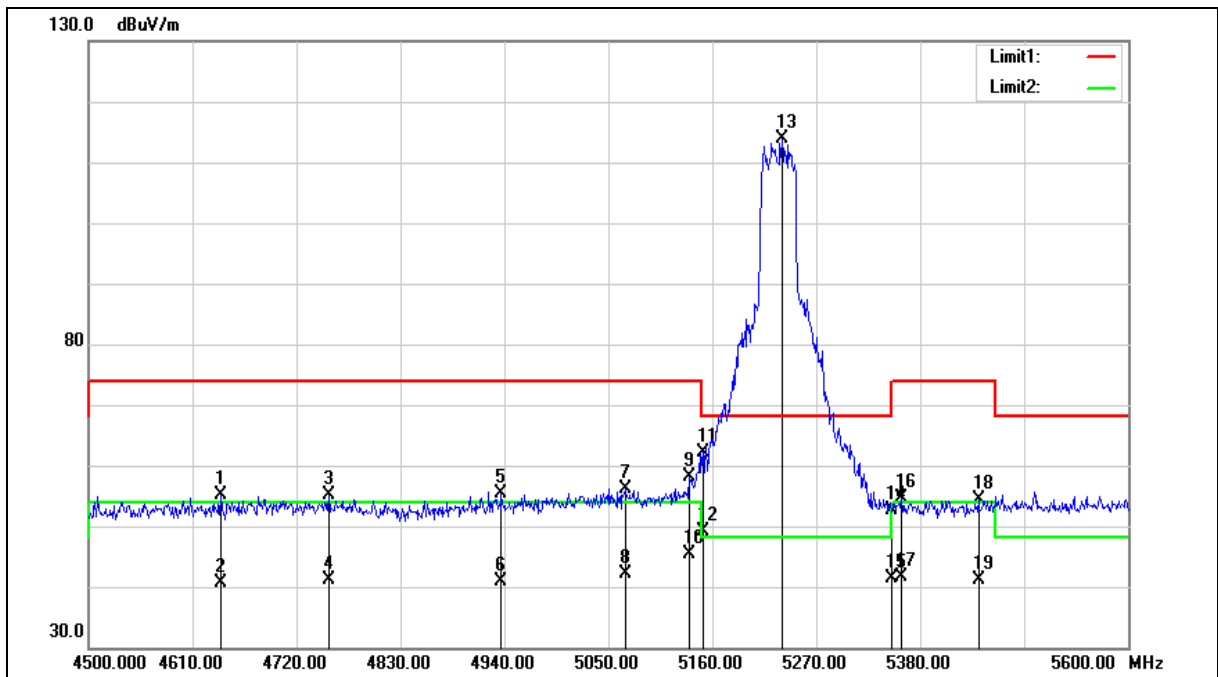
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4639.700	52.67	2.39	55.06	74.00	-18.94	peak
2	4639.700	38.15	2.39	40.54	54.00	-13.46	AVG
3	4754.100	52.39	2.67	55.06	74.00	-18.94	peak
4	4754.100	38.37	2.67	41.04	54.00	-12.96	AVG
5	4936.700	52.19	3.12	55.31	74.00	-18.69	peak
6	4936.700	37.88	3.12	41.00	54.00	-13.00	AVG
7	5067.600	52.66	3.35	56.01	74.00	-17.99	peak
8	5067.600	38.88	3.35	42.23	54.00	-11.77	AVG
9	5135.800	54.65	3.46	58.11	74.00	-15.89	peak
10	5135.800	41.81	3.46	45.27	54.00	-8.73	AVG
11	5150.000	58.57	3.47	62.04	74.00	-11.96	peak
12	5150.000	45.74	3.47	49.21	54.00	-4.79	AVG
13	5233.700	110.36	3.58	113.94	--	--	peak
14	5350.000	49.00	3.73	52.73	74.00	-21.27	peak
15	5350.000	37.61	3.73	41.34	54.00	-12.66	AVG
16	5360.200	50.81	3.74	54.55	74.00	-19.45	peak
17	5360.200	37.85	3.74	41.59	54.00	-12.41	AVG
18	5441.600	50.59	3.85	54.44	74.00	-19.56	peak
19	5441.600	37.28	3.85	41.13	54.00	-12.87	AVG

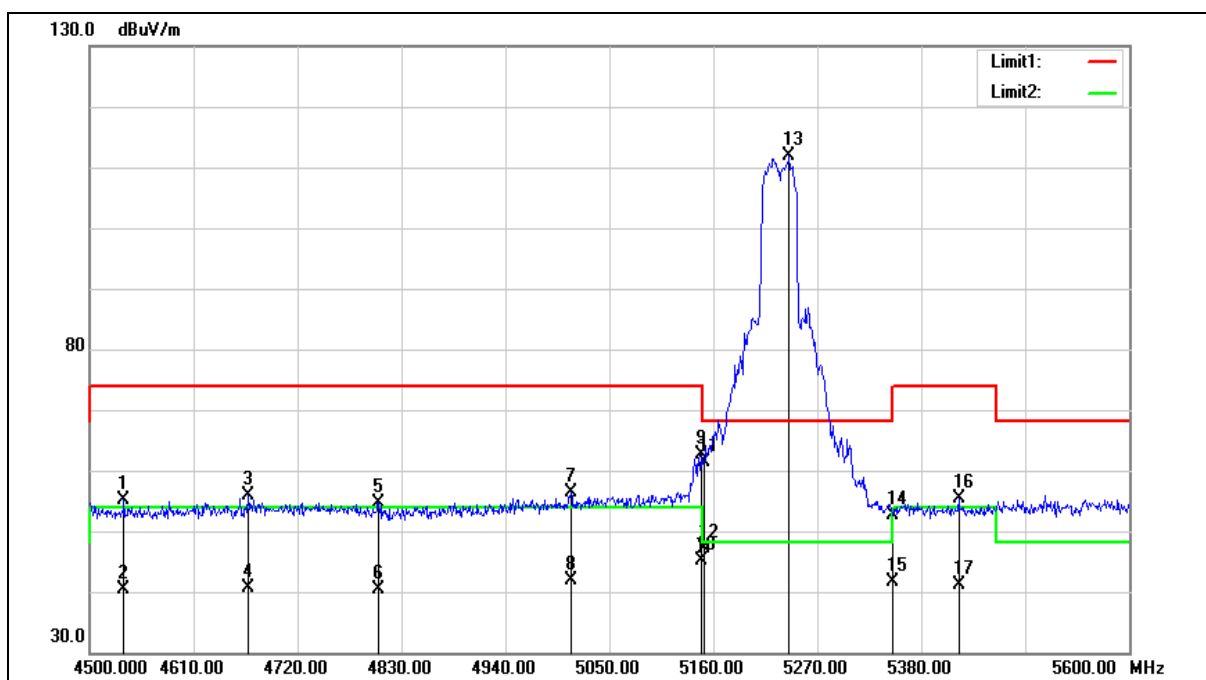
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4536.300	53.10	2.15	55.25	74.00	-18.75	peak
2	4536.300	38.18	2.15	40.33	54.00	-13.67	AVG
3	4668.300	53.47	2.46	55.93	74.00	-18.07	peak
4	4668.300	38.17	2.46	40.63	54.00	-13.37	AVG
5	4805.800	51.89	2.80	54.69	74.00	-19.31	peak
6	4805.800	37.50	2.80	40.30	54.00	-13.70	AVG
7	5009.300	53.00	3.28	56.28	74.00	-17.72	peak
8	5009.300	38.48	3.28	41.76	54.00	-12.24	AVG
9	5147.900	59.05	3.47	62.52	74.00	-11.48	peak
10	5147.900	41.60	3.47	45.07	54.00	-8.93	AVG
11	5150.000	57.82	3.47	61.29	74.00	-12.71	peak
12	5150.000	43.71	3.47	47.18	54.00	-6.82	AVG
13	5240.300	108.29	3.59	111.88	--	--	peak
14	5350.000	48.95	3.73	52.68	74.00	-21.32	peak
15	5350.000	37.79	3.73	41.52	54.00	-12.48	AVG
16	5419.600	51.66	3.83	55.49	74.00	-18.51	peak
17	5419.600	37.33	3.83	41.16	54.00	-12.84	AVG

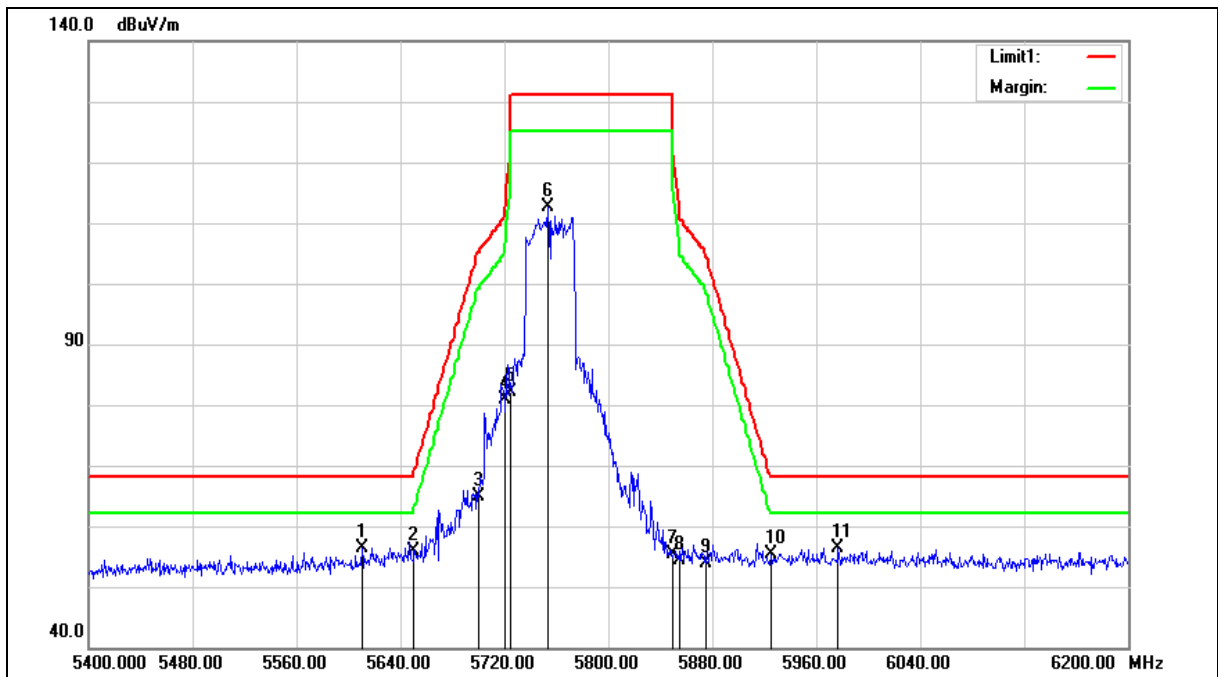
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5610.400	52.18	4.16	56.34	68.20	-11.86	peak
2	5650.000	51.76	4.24	56.00	68.20	-12.20	peak
3	5700.000	60.63	4.34	64.97	105.20	-40.23	peak
4	5720.000	76.56	4.38	80.94	110.80	-29.86	peak
5	5725.000	77.70	4.39	82.09	122.20	-40.11	peak
6	5753.600	108.21	4.46	112.67	--	--	peak
7	5850.000	50.79	4.65	55.44	122.20	-66.76	peak
8	5855.000	49.79	4.66	54.45	110.80	-56.35	peak
9	5875.000	49.16	4.70	53.86	105.20	-51.34	peak
10	5925.000	50.65	4.81	55.46	68.20	-12.74	peak
11	5976.800	51.52	4.91	56.43	68.20	-11.77	peak

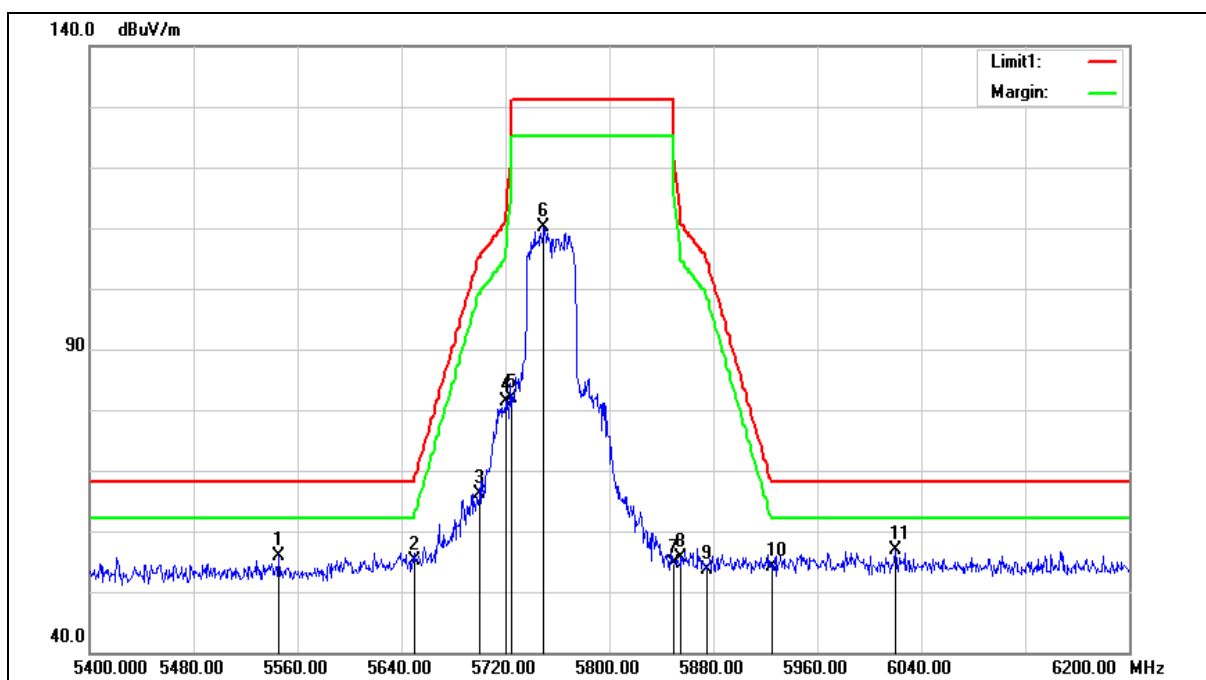
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5545.600	51.83	4.02	55.85	68.20	-12.35	peak
2	5650.000	50.92	4.24	55.16	68.20	-13.04	peak
3	5700.000	61.87	4.34	66.21	105.20	-38.99	peak
4	5720.000	76.97	4.38	81.35	110.80	-29.45	peak
5	5725.000	77.54	4.39	81.93	122.20	-40.27	peak
6	5749.600	105.65	4.44	110.09	--	--	peak
7	5850.000	49.97	4.65	54.62	122.20	-67.58	peak
8	5855.000	50.87	4.66	55.53	110.80	-55.27	peak
9	5875.000	49.04	4.70	53.74	105.20	-51.46	peak
10	5925.000	49.25	4.81	54.06	68.20	-14.14	peak
11	6020.000	51.87	5.03	56.90	68.20	-11.30	peak

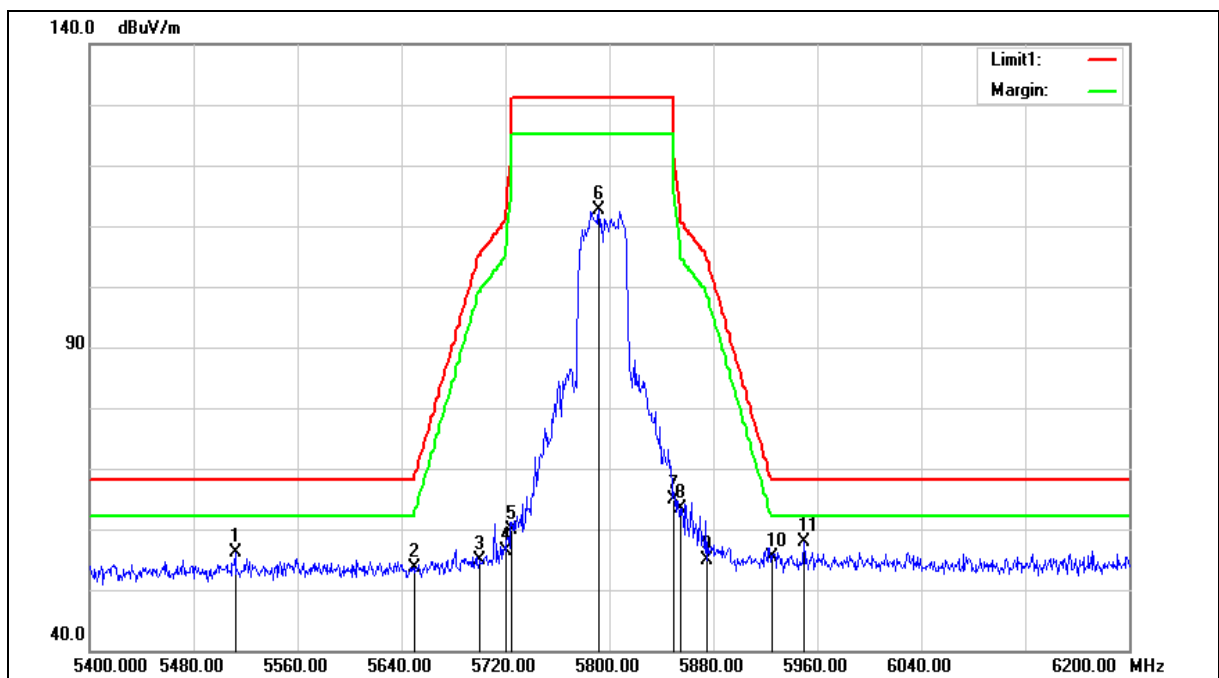
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5512.000	52.16	3.96	56.12	68.20	-12.08	peak
2	5650.000	49.46	4.24	53.70	68.20	-14.50	peak
3	5700.000	50.43	4.34	54.77	105.20	-50.43	peak
4	5720.000	51.90	4.38	56.28	110.80	-54.52	peak
5	5725.000	55.46	4.39	59.85	122.20	-62.35	peak
6	5792.000	108.05	4.53	112.58	--	--	peak
7	5850.000	60.11	4.65	64.76	122.20	-57.44	peak
8	5855.000	58.62	4.66	63.28	110.80	-47.52	peak
9	5875.000	50.22	4.70	54.92	105.20	-50.28	peak
10	5925.000	50.49	4.81	55.30	68.20	-12.90	peak
11	5949.600	52.90	4.86	57.76	68.20	-10.44	peak

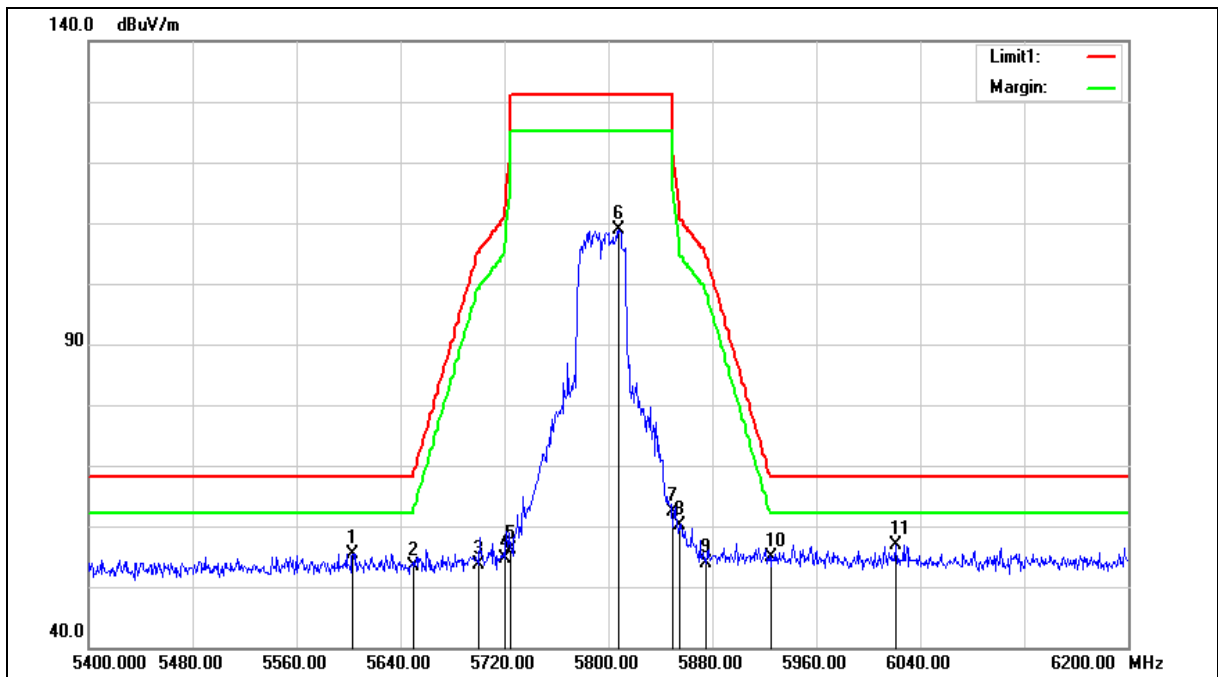
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5603.200	51.30	4.14	55.44	68.20	-12.76	peak
2	5650.000	49.20	4.24	53.44	68.20	-14.76	peak
3	5700.000	49.41	4.34	53.75	105.20	-51.45	peak
4	5720.000	50.21	4.38	54.59	110.80	-56.21	peak
5	5725.000	51.74	4.39	56.13	122.20	-66.07	peak
6	5808.000	104.36	4.56	108.92	--	--	peak
7	5850.000	57.61	4.65	62.26	122.20	-59.94	peak
8	5855.000	55.49	4.66	60.15	110.80	-50.65	peak
9	5875.000	49.18	4.70	53.88	105.20	-51.32	peak
10	5925.000	49.95	4.81	54.76	68.20	-13.44	peak
11	6020.800	51.92	5.03	56.95	68.20	-11.25	peak

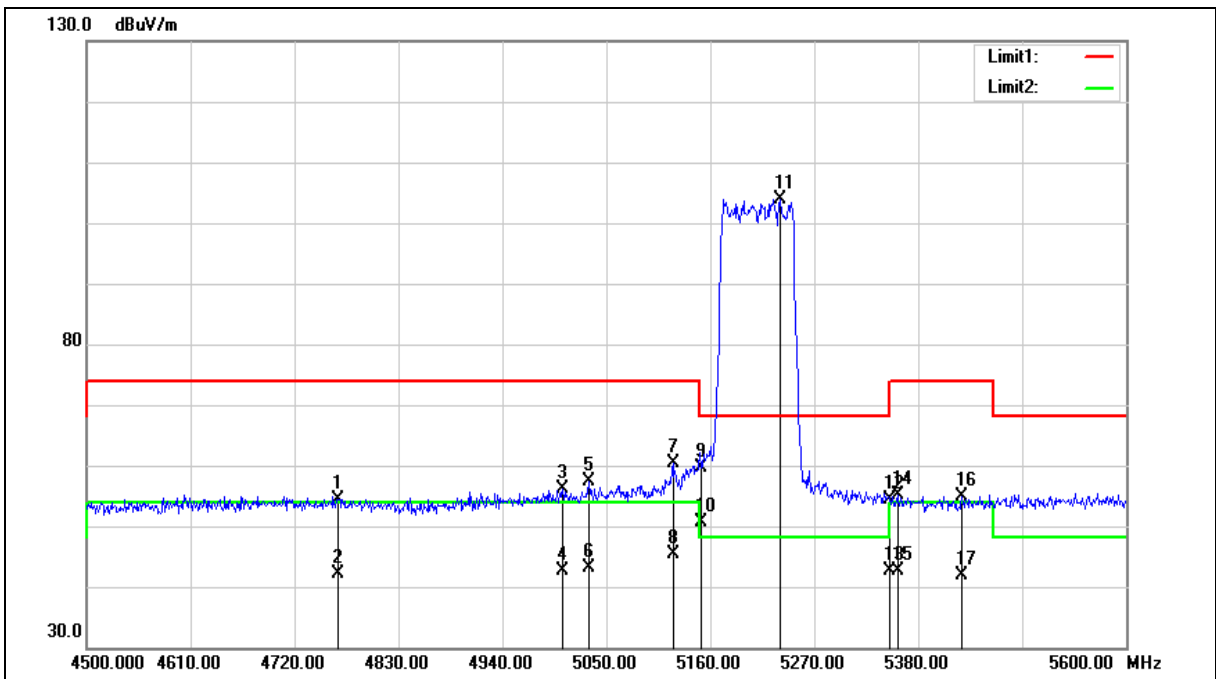
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4766.200	51.72	2.70	54.42	74.00	-19.58	peak
2	4766.200	39.36	2.70	42.06	54.00	-11.94	AVG
3	5003.800	52.78	3.27	56.05	74.00	-17.95	peak
4	5003.800	39.40	3.27	42.67	54.00	-11.33	AVG
5	5031.300	54.09	3.32	57.41	74.00	-16.59	peak
6	5031.300	39.85	3.32	43.17	54.00	-10.83	AVG
7	5120.400	56.94	3.43	60.37	74.00	-13.63	peak
8	5120.400	42.02	3.43	45.45	54.00	-8.55	AVG
9	5150.000	56.25	3.47	59.72	74.00	-14.28	peak
10	5150.000	47.08	3.47	50.55	54.00	-3.45	AVG
11	5233.700	100.18	3.58	103.76	--	--	peak
12	5350.000	50.71	3.73	54.44	74.00	-19.56	peak
13	5350.000	38.99	3.73	42.72	54.00	-11.28	AVG
14	5358.000	51.39	3.74	55.13	74.00	-18.87	peak
15	5358.000	38.85	3.74	42.59	54.00	-11.41	AVG
16	5426.200	50.93	3.83	54.76	74.00	-19.24	peak
17	5426.200	38.11	3.83	41.94	54.00	-12.06	AVG

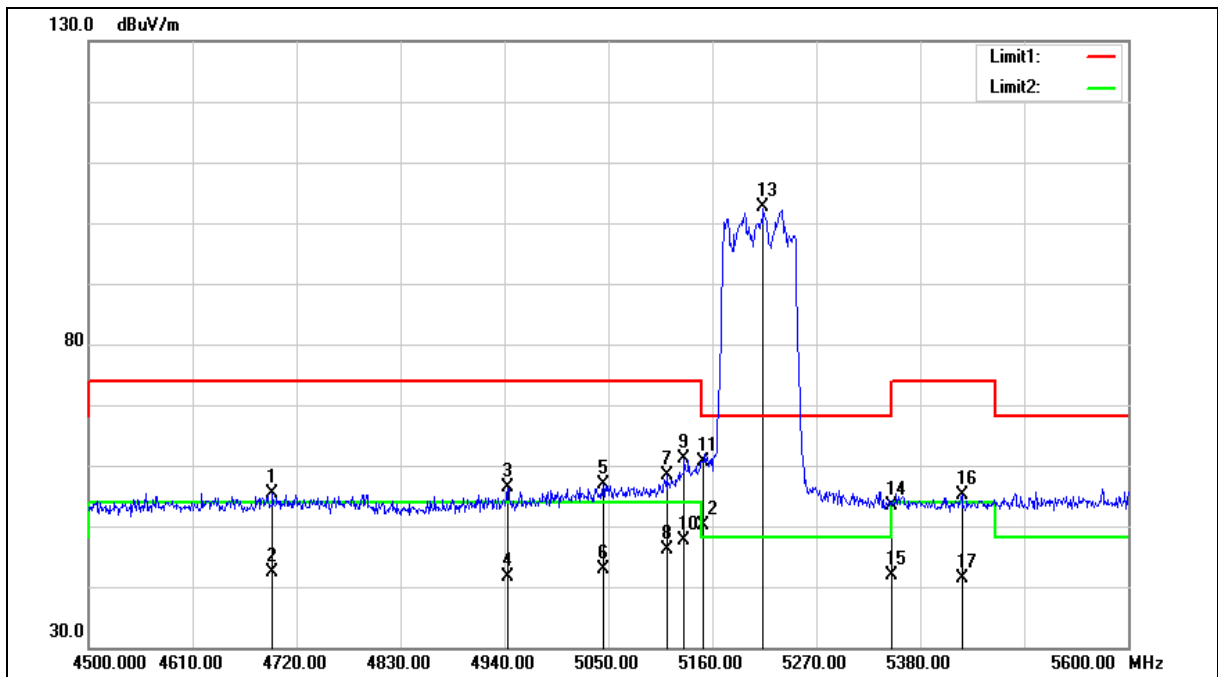
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4694.700	52.92	2.52	55.44	74.00	-18.56	peak
2	4694.700	39.86	2.52	42.38	54.00	-11.62	AVG
3	4943.300	53.16	3.13	56.29	74.00	-17.71	peak
4	4943.300	38.50	3.13	41.63	54.00	-12.37	AVG
5	5044.500	53.44	3.33	56.77	74.00	-17.23	peak
6	5044.500	39.62	3.33	42.95	54.00	-11.05	AVG
7	5111.600	55.03	3.41	58.44	74.00	-15.56	peak
8	5111.600	42.74	3.41	46.15	54.00	-7.85	AVG
9	5130.300	57.72	3.44	61.16	74.00	-12.84	peak
10	5130.300	44.08	3.44	47.52	54.00	-6.48	AVG
11	5150.000	57.20	3.47	60.67	74.00	-13.33	peak
12	5150.000	46.63	3.47	50.10	54.00	-3.90	AVG
13	5213.900	99.00	3.55	102.55	--	--	peak
14	5350.000	49.67	3.73	53.40	74.00	-20.60	peak
15	5350.000	38.27	3.73	42.00	54.00	-12.00	AVG
16	5424.000	51.23	3.83	55.06	74.00	-18.94	peak
17	5424.000	37.65	3.83	41.48	54.00	-12.52	AVG

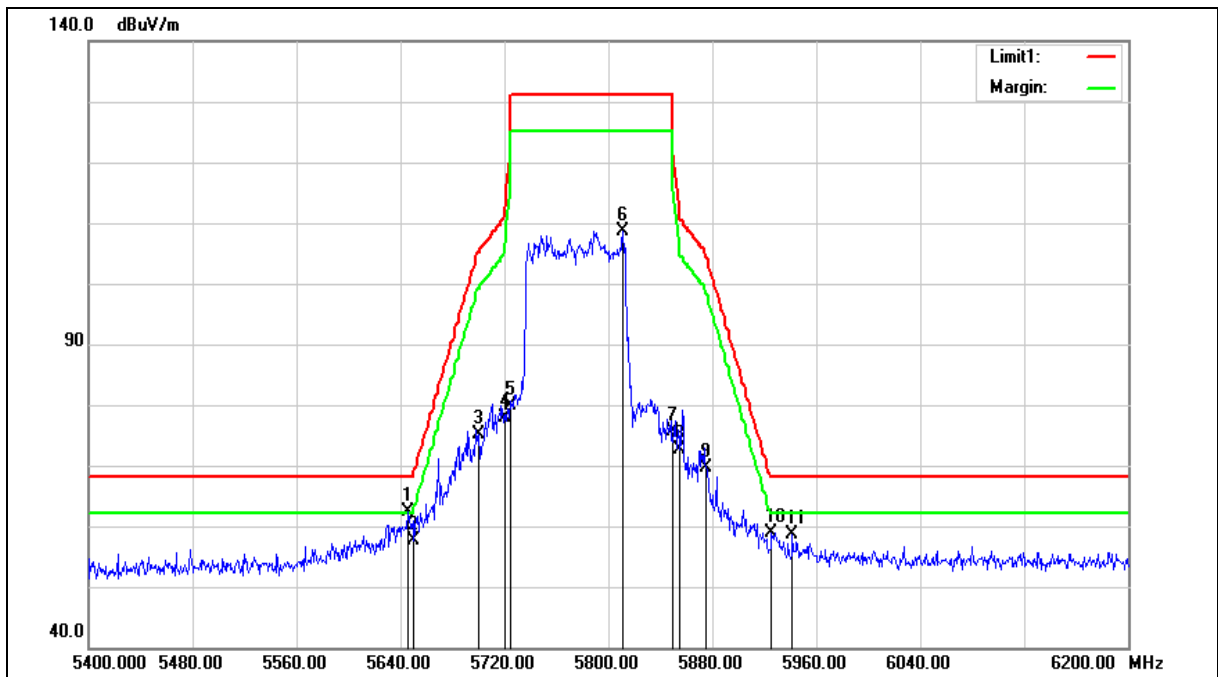
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.600	58.19	4.23	62.42	68.20	-5.78	peak
2	5650.000	53.48	4.24	57.72	68.20	-10.48	peak
3	5700.000	70.68	4.34	75.02	105.20	-30.18	peak
4	5720.000	73.49	4.38	77.87	110.80	-32.93	peak
5	5725.000	75.45	4.39	79.84	122.20	-42.36	peak
6	5811.200	104.12	4.57	108.69	--	--	peak
7	5850.000	70.98	4.65	75.63	122.20	-46.57	peak
8	5855.000	67.86	4.66	72.52	110.80	-38.28	peak
9	5875.000	65.01	4.70	69.71	105.20	-35.49	peak
10	5925.000	54.17	4.81	58.98	68.20	-9.22	peak
11	5941.600	53.78	4.85	58.63	68.20	-9.57	peak

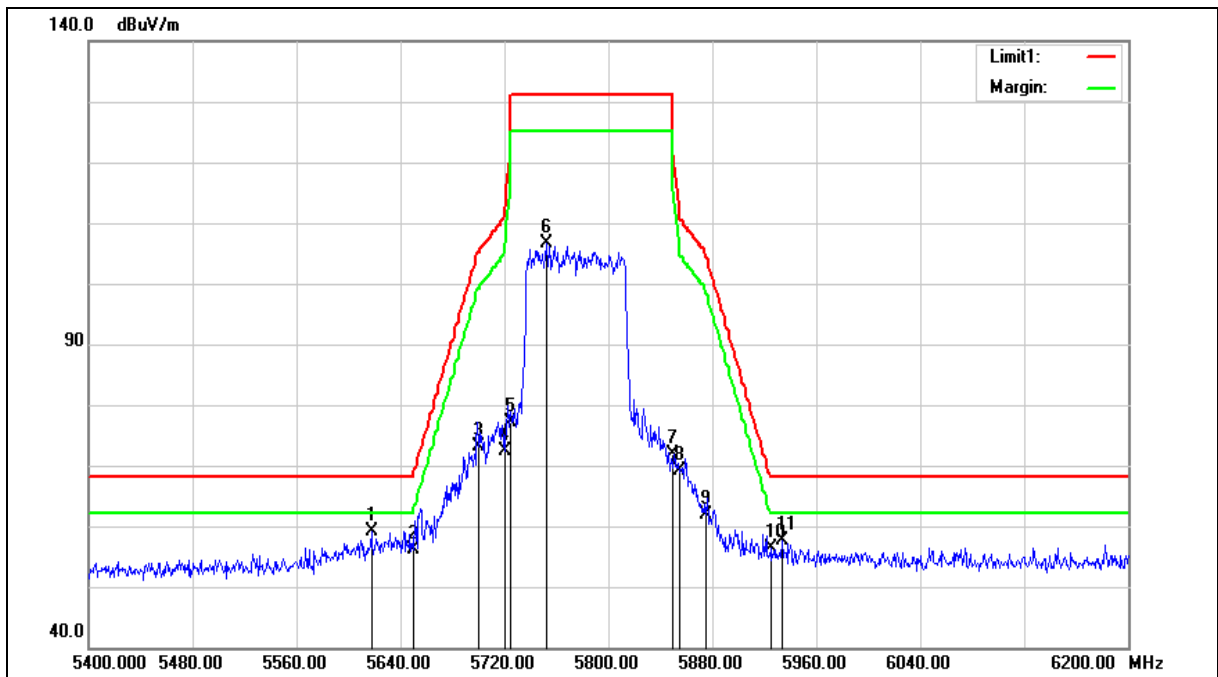
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.600	55.08	4.17	59.25	68.20	-8.95	peak
2	5650.000	51.91	4.24	56.15	68.20	-12.05	peak
3	5700.000	68.88	4.34	73.22	105.20	-31.98	peak
4	5720.000	68.08	4.38	72.46	110.80	-38.34	peak
5	5725.000	72.77	4.39	77.16	122.20	-45.04	peak
6	5752.800	102.11	4.45	106.56	--	--	peak
7	5850.000	67.23	4.65	71.88	122.20	-50.32	peak
8	5855.000	64.46	4.66	69.12	110.80	-41.68	peak
9	5875.000	57.19	4.70	61.89	105.20	-43.31	peak
10	5925.000	51.47	4.81	56.28	68.20	-11.92	peak
11	5933.600	52.70	4.82	57.52	68.20	-10.68	peak

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

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

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

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180.0	6 M	20.62	0.115	20.58	0.114	23.61	0.230	≤ 30.00
5200.0		22.70	0.186	22.41	0.174	25.57	0.360	≤ 30.00
5220.0		22.65	0.184	22.11	0.163	25.40	0.347	≤ 30.00
5240.0		22.82	0.191	22.55	0.180	25.70	0.371	≤ 30.00
5745.0		23.04	0.201	21.40	0.138	25.31	0.339	≤ 30.00
5765.0		22.99	0.199	21.21	0.132	25.20	0.331	≤ 30.00
5785.0		23.23	0.210	21.51	0.142	25.46	0.352	≤ 30.00
5805.0		23.02	0.200	21.22	0.132	25.22	0.333	≤ 30.00
5825.0		23.28	0.213	21.32	0.136	25.42	0.348	≤ 30.00

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180.0	14.4 M	20.26	0.106	20.18	0.104	23.23	0.210	≤ 30.00
5200.0		22.90	0.195	22.45	0.176	25.69	0.371	≤ 30.00
5220.0		22.72	0.187	22.19	0.166	25.47	0.353	≤ 30.00
5240.0		22.78	0.190	22.27	0.169	25.54	0.358	≤ 30.00
5745.0		22.96	0.198	21.36	0.137	25.24	0.334	≤ 30.00
5765.0		22.94	0.197	21.19	0.132	25.16	0.328	≤ 30.00
5785.0		23.11	0.205	21.45	0.140	25.37	0.344	≤ 30.00
5805.0		22.89	0.195	21.20	0.132	25.14	0.326	≤ 30.00
5825.0		23.22	0.210	21.28	0.134	25.37	0.344	≤ 30.00

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190.0	30 M	15.94	0.039	15.89	0.039	18.93	0.078	≤ 30.00
5230.0		21.69	0.148	21.43	0.139	24.57	0.287	≤ 30.00
5755.0		22.56	0.180	20.99	0.126	24.86	0.306	≤ 30.00
5795.0		22.60	0.182	20.90	0.123	24.84	0.305	≤ 30.00

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210.0	58.6 M	14.59	0.029	14.41	0.028	17.51	0.056	≤ 30.00
5775.0		22.10	0.162	21.65	0.146	24.89	0.308	≤ 30.00

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

Beamforming on

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180.0	14.4 M	16.71	0.047	16.69	0.047	19.71	0.094	≤ 28.48
5200.0		19.27	0.085	19.21	0.083	22.25	0.168	≤ 28.48
5220.0		19.19	0.083	19.12	0.082	22.17	0.165	≤ 28.48
5240.0		19.33	0.086	19.21	0.083	22.28	0.169	≤ 28.48
5745.0		19.13	0.082	18.94	0.078	22.05	0.160	≤ 28.30
5765.0		19.10	0.081	18.90	0.078	22.01	0.159	≤ 28.30
5785.0		19.31	0.085	19.24	0.084	22.29	0.169	≤ 28.30
5805.0		19.06	0.081	18.88	0.077	21.98	0.158	≤ 28.30
5825.0		19.40	0.087	19.19	0.083	22.31	0.170	≤ 28.30

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190.0	30 M	12.79	0.019	12.72	0.019	15.77	0.038	≤ 28.48
5230.0		18.21	0.066	18.02	0.063	21.13	0.130	≤ 28.48
5755.0		18.65	0.073	18.05	0.064	21.37	0.137	≤ 28.30
5795.0		18.71	0.074	18.49	0.071	21.61	0.145	≤ 28.30

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210.0	58.6 M	11.45	0.014	11.39	0.014	14.43	0.028	≤ 28.48
5775.0		18.84	0.077	18.40	0.069	21.64	0.146	≤ 28.30

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



26 dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180.0	19.860	19.500	16.496	16.480
5200.0	22.740	25.030	16.559	16.609
5240.0	31.620	29.760	17.267	16.837

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180.0	20.240	20.040	17.626	17.676
5200.0	22.410	24.130	17.769	17.752
5240.0	32.920	31.630	18.058	17.898

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190.0	40.180	40.220	36.170	36.049
5230.0	40.730	40.920	36.251	36.251

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210.0	83.420	83.840	75.795	75.762

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



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180.0	20.260	20.320	17.608	17.658
5200.0	20.400	20.260	17.669	17.633
5240.0	20.460	20.350	17.649	17.661

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190.0	40.140	40.240	36.085	36.112
5230.0	40.170	40.370	36.066	36.025

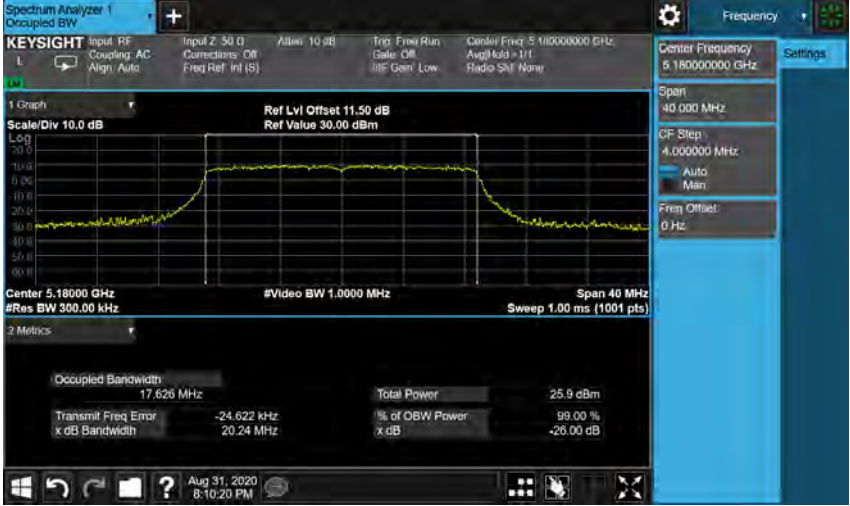
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210.0	83.270	83.810	75.729	75.765

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

Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 Center 5.18000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 16.496 MHz Total Power: 27.3 dBm Transmit Freq Error: 9.699 kHz x dB Bandwidth: 19.86 MHz
5200 MHz	 Center 5.20000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 16.559 MHz Total Power: 29.1 dBm Transmit Freq Error: -59.791 kHz x dB Bandwidth: 22.74 MHz
5240 MHz	 Center 5.24000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) Occupied Bandwidth: 17.267 MHz Total Power: 30.4 dBm Transmit Freq Error: -294.24 kHz x dB Bandwidth: 31.62 MHz

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

5180 MHz	 Center Frequency: 5.18000000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 30.00 dBm Occupied Bandwidth: 17.626 MHz Total Power: 25.9 dBm Transmit Freq Error: -24.622 kHz % of OBW Power: 99.00 % x dB Bandwidth: 20.24 MHz x dB: -26.00 dB
5200 MHz	 Center Frequency: 5.20000000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 30.00 dBm Occupied Bandwidth: 17.769 MHz Total Power: 28.9 dBm Transmit Freq Error: -66.728 kHz % of OBW Power: 99.00 % x dB Bandwidth: 22.41 MHz x dB: -26.00 dB
5240 MHz	 Center Frequency: 5.24000000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 30.00 dBm Occupied Bandwidth: 16.058 MHz Total Power: 29.8 dBm Transmit Freq Error: -151.37 kHz % of OBW Power: 99.00 % x dB Bandwidth: 32.92 MHz x dB: -26.00 dB

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

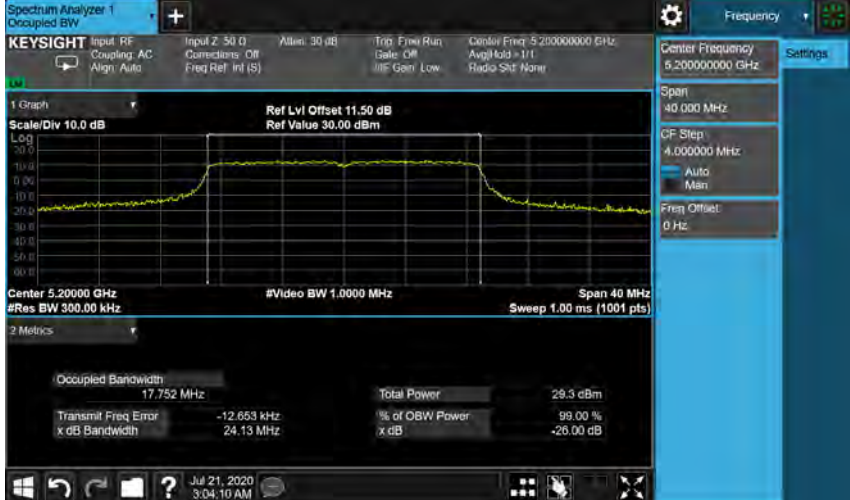


Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ ANT-0



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5180 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The center frequency is 5.180000 GHz, and the span is 40.000 MHz. The metrics panel shows an occupied bandwidth of 16.480 MHz, a total power of 26.7 dBm, and a transmit frequency error of 14.662 kHz.
5200 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5200 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The center frequency is 5.200000 GHz, and the span is 40.000 MHz. The metrics panel shows an occupied bandwidth of 16.609 MHz, a total power of 29.1 dBm, and a transmit frequency error of -13.452 kHz.
5240 MHz	 Keysight Spectrum Analyzer 1 screenshot showing a signal at 5240 MHz. The display includes a graph with a yellow trace, a settings panel on the right, and a metrics panel at the bottom. The center frequency is 5.240000 GHz, and the span is 40.000 MHz. The metrics panel shows an occupied bandwidth of 16.637 MHz, a total power of 29.2 dBm, and a transmit frequency error of -56.875 kHz.

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

5180 MHz	 Center 5.18000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.676 MHz</td><td>Total Power</td><td>26.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-32.050 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>20.40 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Aug 31, 2020 8:20:07 PM	Occupied Bandwidth	17.676 MHz	Total Power	26.0 dBm	Transmit Freq Error	-32.050 kHz	% of OBW Power	99.00 %	x dB Bandwidth	20.40 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.676 MHz	Total Power	26.0 dBm										
Transmit Freq Error	-32.050 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	20.40 MHz	x dB	-26.00 dB										
5200 MHz	 Center 5.20000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.752 MHz</td><td>Total Power</td><td>29.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-12.653 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>24.13 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jul 21, 2020 3:04:10 AM	Occupied Bandwidth	17.752 MHz	Total Power	29.3 dBm	Transmit Freq Error	-12.653 kHz	% of OBW Power	99.00 %	x dB Bandwidth	24.13 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.752 MHz	Total Power	29.3 dBm										
Transmit Freq Error	-12.653 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	24.13 MHz	x dB	-26.00 dB										
5240 MHz	 Center 5.24000 GHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.898 MHz</td><td>Total Power</td><td>29.5 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-51.646 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>31.63 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Jul 21, 2020 3:06:03 AM	Occupied Bandwidth	17.898 MHz	Total Power	29.5 dBm	Transmit Freq Error	-51.646 kHz	% of OBW Power	99.00 %	x dB Bandwidth	31.63 MHz	x dB	-26.00 dB
Occupied Bandwidth	17.898 MHz	Total Power	29.5 dBm										
Transmit Freq Error	-51.646 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	31.63 MHz	x dB	-26.00 dB										

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



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



Beamforming on

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

5180 MHz



5200 MHz



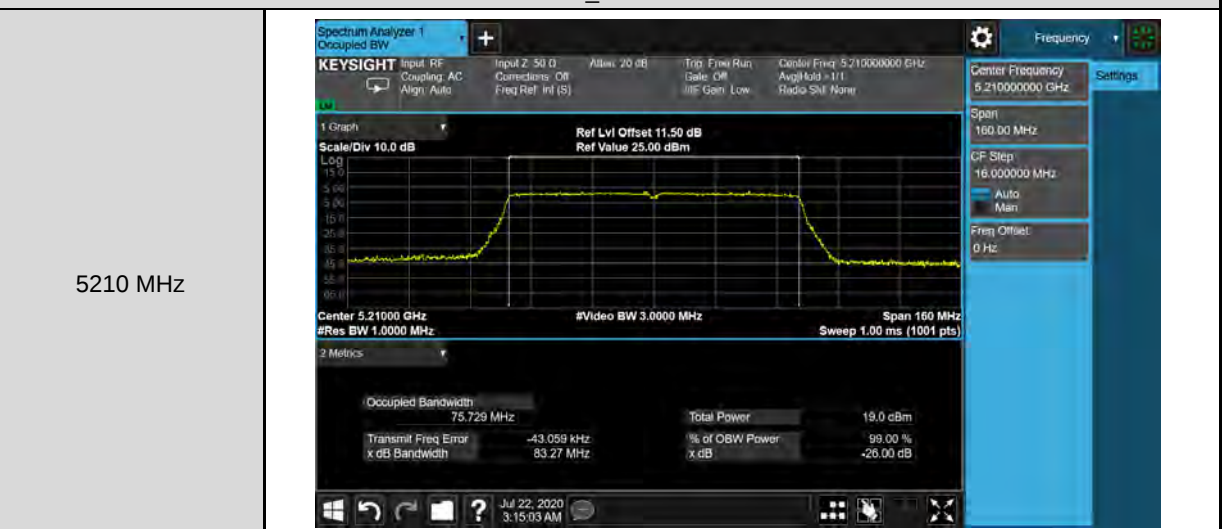
5240 MHz



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



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



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

5180 MHz

KEYSIGHT Spectrum Analyzer 1
Occupied BW

Input RF: Input 2: 50.0, Attenu: 20.0 dB, Trig: Free Run, Center Freq: 5.18000000 GHz, Avg/Mod: 1/1, Radio Std: None

Scale/Div: 10.0 dB, Ref Lvl Offset: 11.50 dB, Ref Value: 25.00 dBm

Center: 5.18000 GHz, #Res BW: 300.00 kHz, #Video BW: 1.0000 MHz, Span: 40 MHz, Sweep: 1.00 ms (1001 pts)

2 Metrics:

Occupied Bandwidth	17.643 MHz	Total Power	21.9 dBm
Transmit Freq Error	-37.954 kHz	% of OBW Power	99.00 %
x dB Bandwidth	20.32 MHz	x dB	-26.00 dB

Aug 31, 2020 8:27:12 PM

5200 MHz

KEYSIGHT Spectrum Analyzer 1
Occupied BW

Input RF: Input 2: 50.0, Attenu: 20.0 dB, Trig: Free Run, Center Freq: 5.20000000 GHz, Avg/Mod: 1/1, Radio Std: None

Scale/Div: 10.0 dB, Ref Lvl Offset: 11.50 dB, Ref Value: 25.00 dBm

Center: 5.20000 GHz, #Res BW: 300.00 kHz, #Video BW: 1.0000 MHz, Span: 40 MHz, Sweep: 1.00 ms (1001 pts)

2 Metrics:

Occupied Bandwidth	17.633 MHz	Total Power	25.6 dBm
Transmit Freq Error	-18.167 kHz	% of OBW Power	99.00 %
x dB Bandwidth	20.26 MHz	x dB	-26.00 dB

Jul 22, 2020 3:19:03 AM

5240 MHz

KEYSIGHT Spectrum Analyzer 1
Occupied BW

Input RF: Input 2: 50.0, Attenu: 20.0 dB, Trig: Free Run, Center Freq: 5.24000000 GHz, Avg/Mod: 1/1, Radio Std: None

Scale/Div: 10.0 dB, Ref Lvl Offset: 11.50 dB, Ref Value: 25.00 dBm

Center: 5.24000 GHz, #Res BW: 300.00 kHz, #Video BW: 1.0000 MHz, Span: 40 MHz, Sweep: 1.00 ms (1001 pts)

2 Metrics:

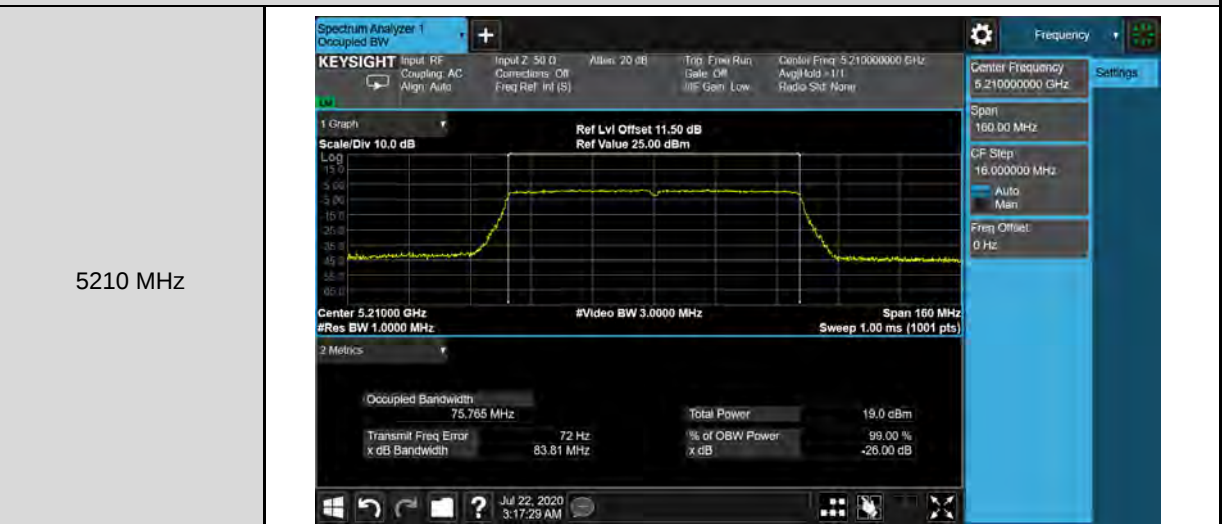
Occupied Bandwidth	17.661 MHz	Total Power	25.1 dBm
Transmit Freq Error	-22.739 kHz	% of OBW Power	99.00 %
x dB Bandwidth	20.35 MHz	x dB	-26.00 dB

Jul 22, 2020 3:19:29 AM

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



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



6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745.0	16400	16370	≥ 500
5785.0	16390	16380	≥ 500
5825.0	16390	16370	≥ 500

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745.0	17630	17590	≥ 500
5785.0	17640	17630	≥ 500
5825.0	17630	17610	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5755.0	35320	35180	≥ 500
5795.0	35210	35160	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5775.0	75350	75520	≥ 500



Beamforming on

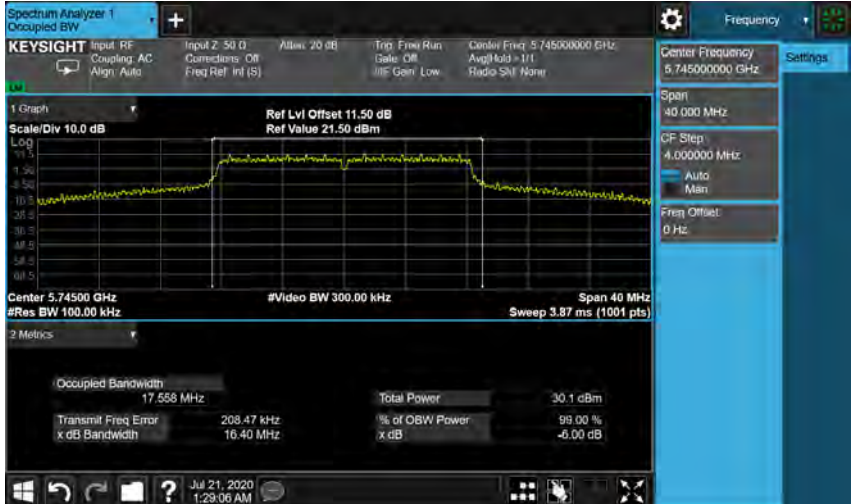
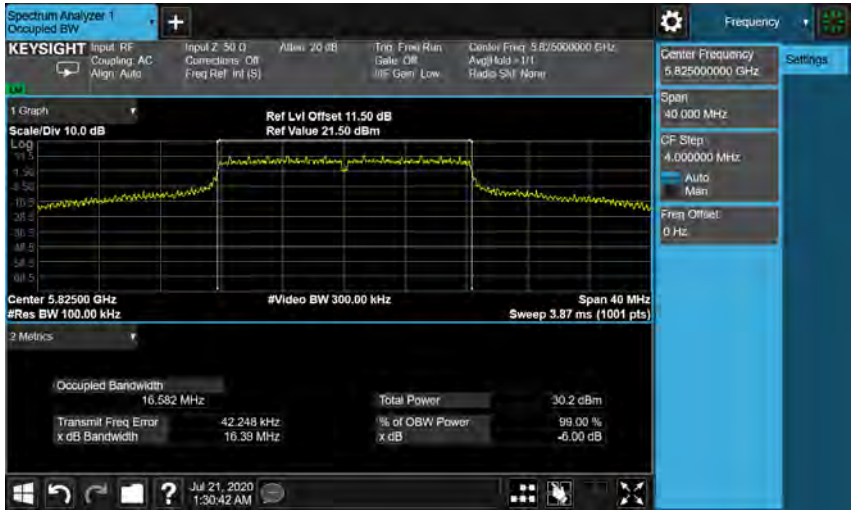
Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745.0	17640	17620	≥ 500
5785.0	17630	17640	≥ 500
5825.0	17630	17640	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755.0	35410	35230	≥ 500
5795.0	35230	35660	≥ 500

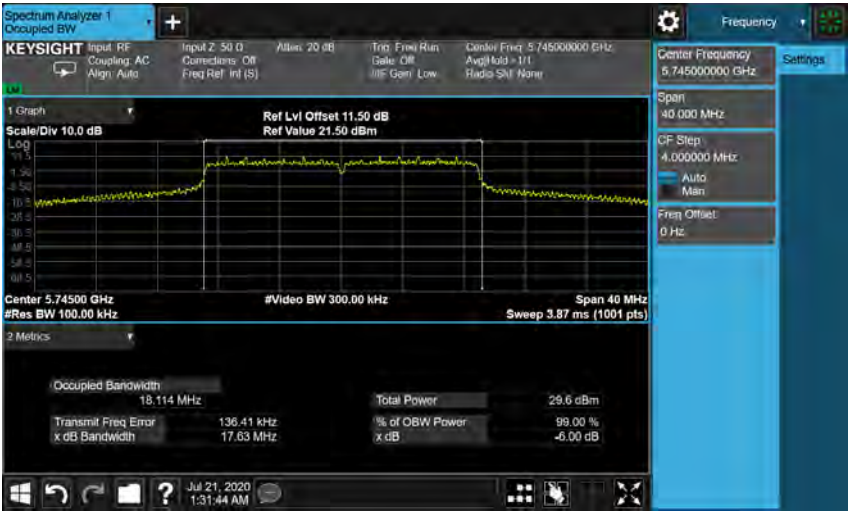
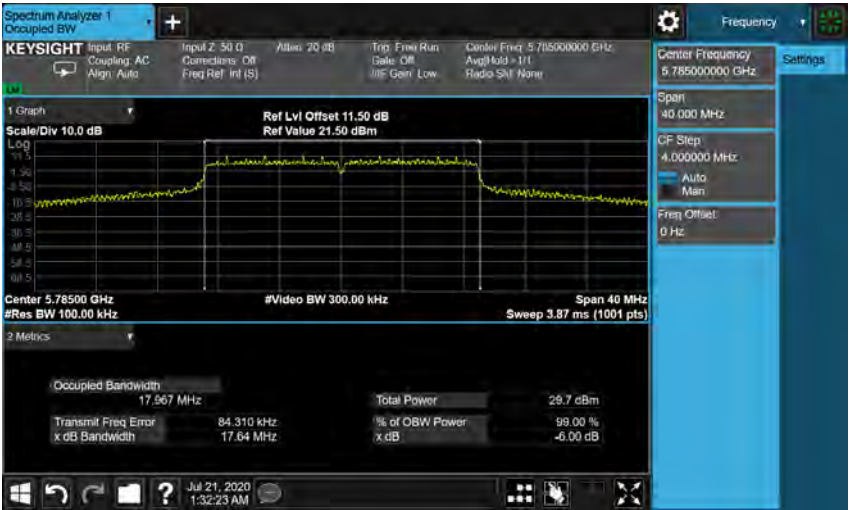
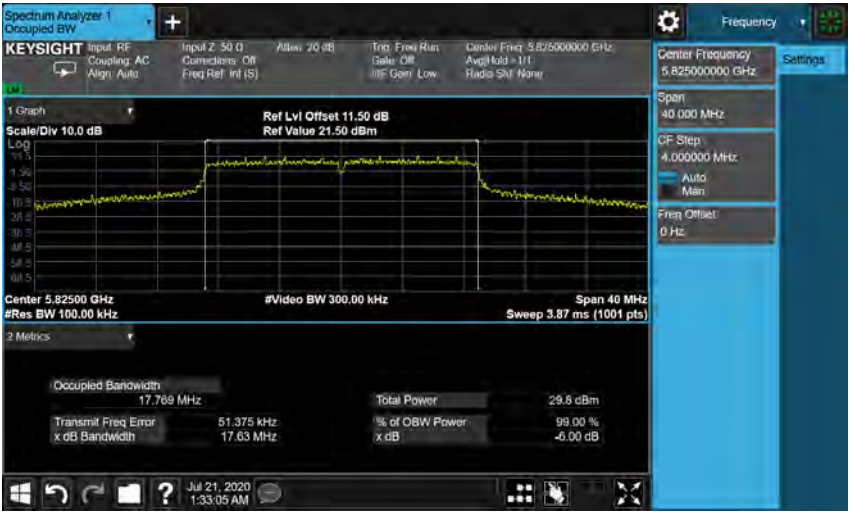
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	6 dB RF Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5775.0	75560	75880	≥ 500

■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

5745 MHz	 Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 21.50 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.558 MHz</td><td>Total Power</td><td>30.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>208.47 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.40 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.558 MHz	Total Power	30.1 dBm	Transmit Freq Error	208.47 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.40 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.558 MHz	Total Power	30.1 dBm										
Transmit Freq Error	208.47 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.40 MHz	x dB	-6.00 dB										
5785 MHz	 Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 21.50 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.950 MHz</td><td>Total Power</td><td>29.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>96.289 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.39 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.950 MHz	Total Power	29.9 dBm	Transmit Freq Error	96.289 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.39 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.950 MHz	Total Power	29.9 dBm										
Transmit Freq Error	96.289 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.39 MHz	x dB	-6.00 dB										
5825 MHz	 Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 21.50 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>16.582 MHz</td><td>Total Power</td><td>30.2 dBm</td></tr><tr><td>Transmit Freq Error</td><td>42.248 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.39 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.582 MHz	Total Power	30.2 dBm	Transmit Freq Error	42.248 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.39 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.582 MHz	Total Power	30.2 dBm										
Transmit Freq Error	42.248 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.39 MHz	x dB	-6.00 dB										

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

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 21.50 dBm Scale/Div: 10.0 dB Log 1 Graph Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 2 Metrics Occupied Bandwidth: 18.114 MHz Total Power: 29.6 dBm Transmit Freq Error: 136.41 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.63 MHz x dB Jul 21, 2020 1:31:44 AM
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 21.50 dBm Scale/Div: 10.0 dB Log 1 Graph Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 2 Metrics Occupied Bandwidth: 17.967 MHz Total Power: 29.7 dBm Transmit Freq Error: 84.310 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.64 MHz x dB Jul 21, 2020 1:32:23 AM
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz Ref Lvl Offset: 11.50 dB Ref Value: 21.50 dBm Scale/Div: 10.0 dB Log 1 Graph Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 2 Metrics Occupied Bandwidth: 17.769 MHz Total Power: 29.6 dBm Transmit Freq Error: 51.375 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.63 MHz x dB Jul 21, 2020 1:33:05 AM



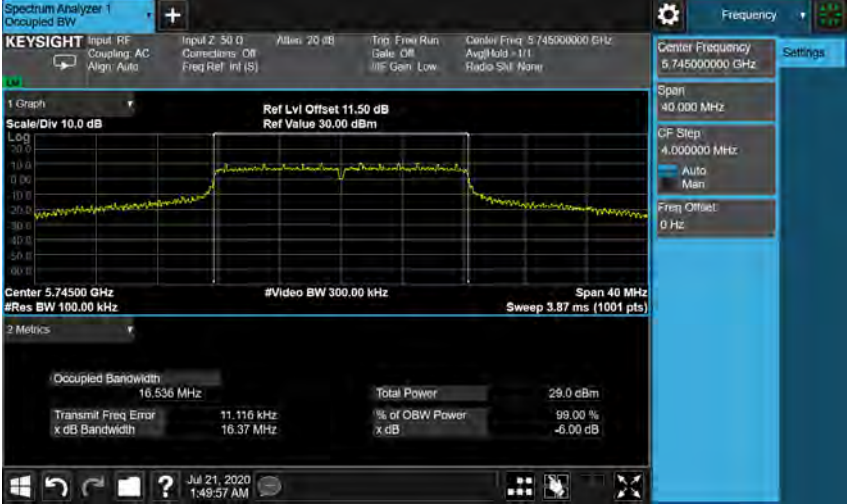
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0



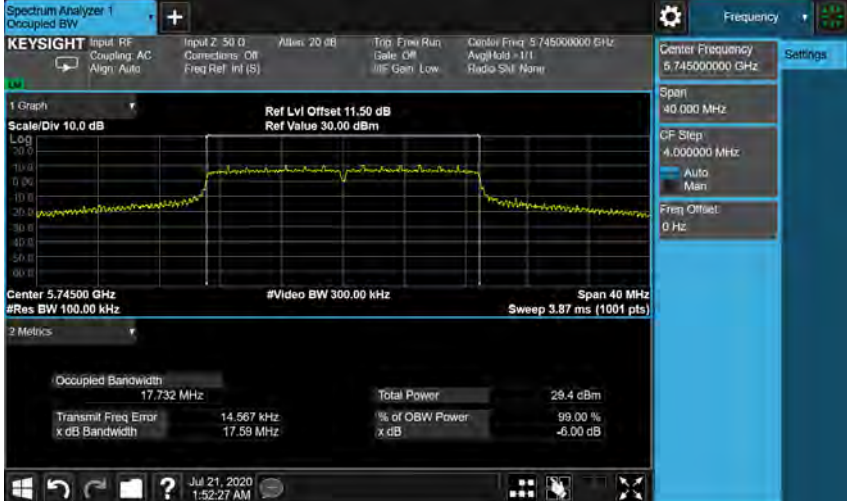
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 16.536 MHz Total Power: 29.0 dBm Transmit Freq Error: 11.116 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.37 MHz x dB: -6.00 dB
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 16.588 MHz Total Power: 29.5 dBm Transmit Freq Error: 4.605 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.38 MHz x dB: -6.00 dB
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 40.000 MHz CP Step: 4.000000 MHz FREQ Offset: 0 Hz Occupied Bandwidth: 16.586 MHz Total Power: 29.5 dBm Transmit Freq Error: 4.907 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.37 MHz x dB: -6.00 dB

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

5745 MHz	 Center 5.74500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 30.00 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.732 MHz</td><td>Total Power</td><td>29.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>14.567 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.59 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.732 MHz	Total Power	29.4 dBm	Transmit Freq Error	14.567 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.59 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.732 MHz	Total Power	29.4 dBm										
Transmit Freq Error	14.567 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.59 MHz	x dB	-6.00 dB										
5785 MHz	 Center 5.78500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 30.00 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.778 MHz</td><td>Total Power</td><td>29.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>10.246 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.63 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.778 MHz	Total Power	29.7 dBm	Transmit Freq Error	10.246 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.63 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.778 MHz	Total Power	29.7 dBm										
Transmit Freq Error	10.246 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.63 MHz	x dB	-6.00 dB										
5825 MHz	 Center 5.82500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts) 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 11.50 dB Ref Value 30.00 dBm 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>17.768 MHz</td><td>Total Power</td><td>29.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>9.196 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.61 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	17.768 MHz	Total Power	29.7 dBm	Transmit Freq Error	9.196 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.61 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.768 MHz	Total Power	29.7 dBm										
Transmit Freq Error	9.196 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.61 MHz	x dB	-6.00 dB										

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



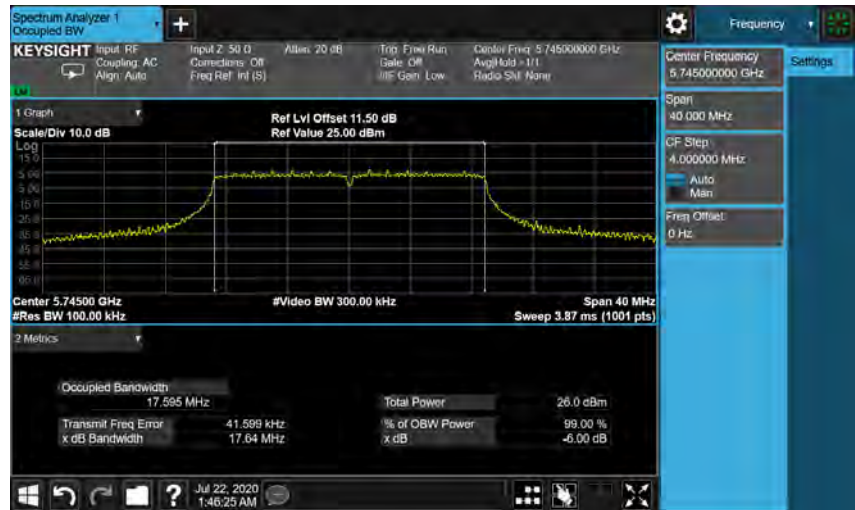
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1



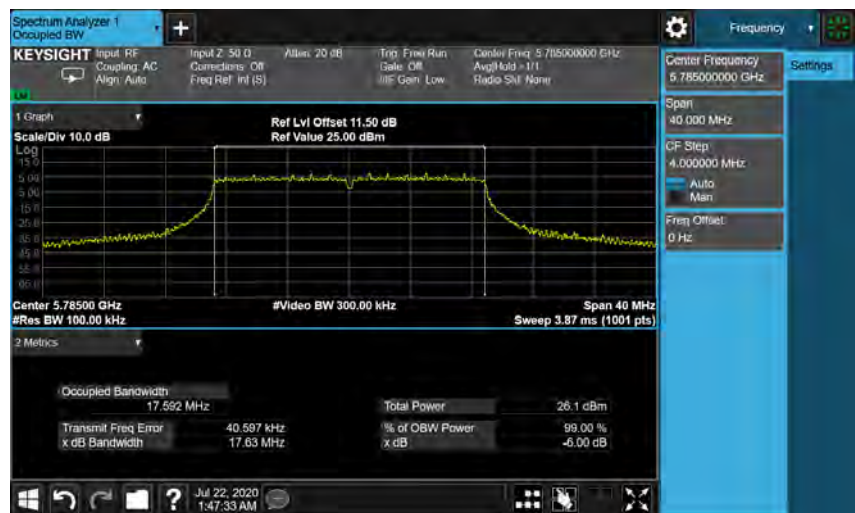
Beamforming on

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

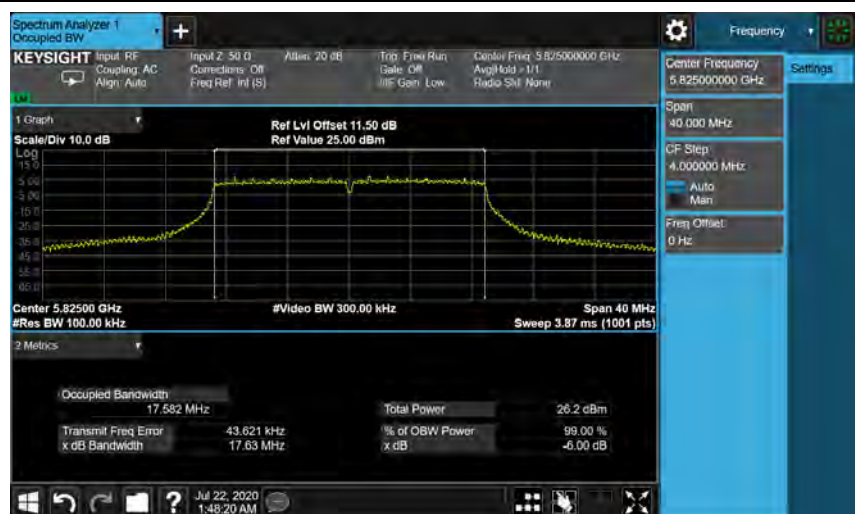
5745 MHz



5785 MHz



5825 MHz



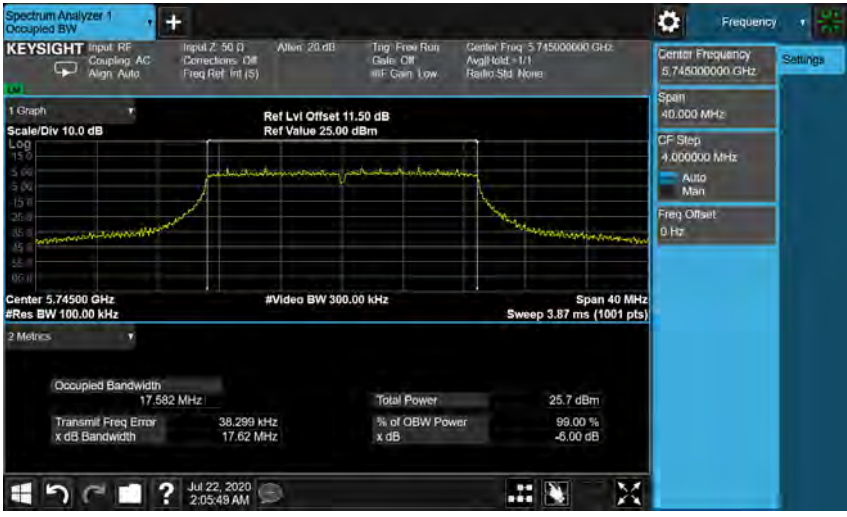
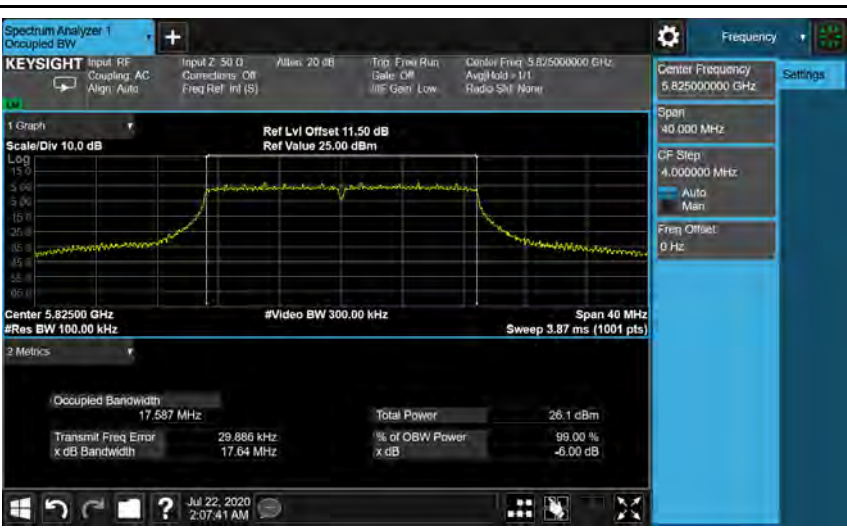
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0



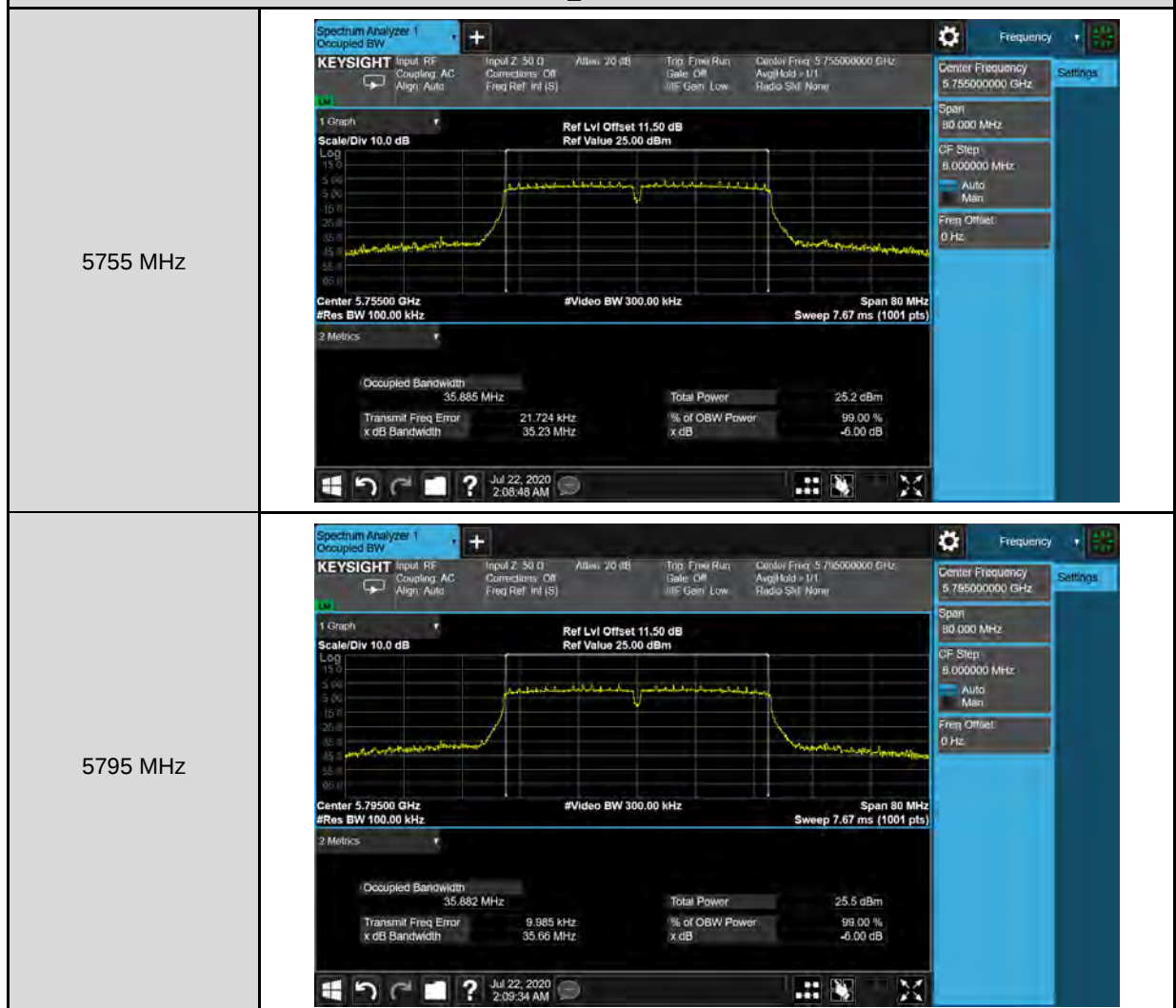
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0



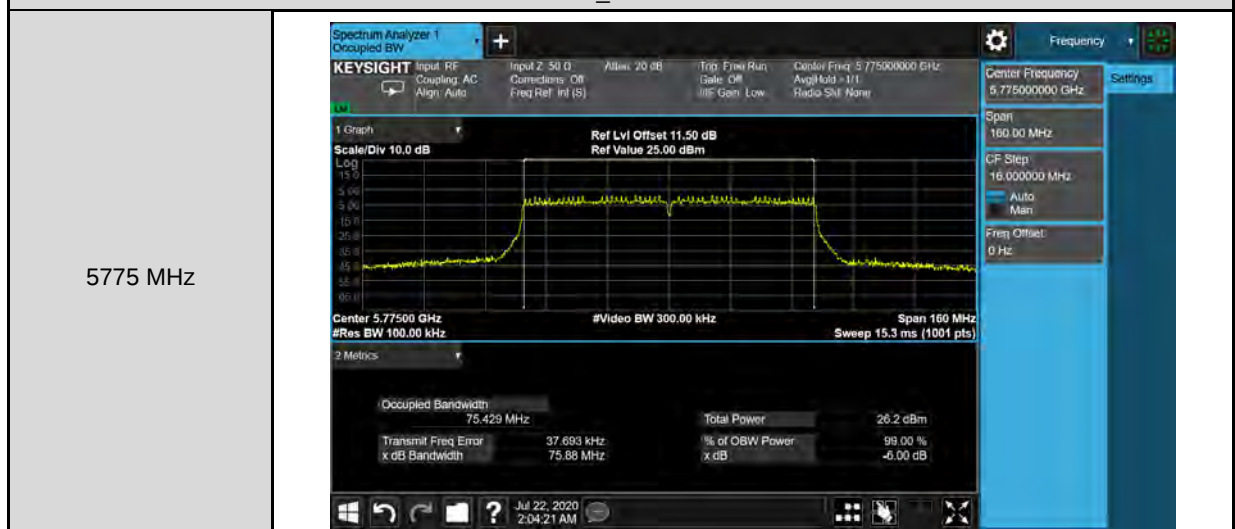
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5745 MHz	 Center Frequency: 5.74500000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.582 MHz Total Power: 25.7 dBm Transmit Freq Error: 38.299 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.62 MHz x dB: -6.00 dB
5785 MHz	 Center Frequency: 5.78500000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.581 MHz Total Power: 26.0 dBm Transmit Freq Error: 34.295 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.64 MHz x dB: -6.00 dB
5825 MHz	 Center Frequency: 5.82500000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Freq Offset: 0 Hz Occupied Bandwidth: 17.587 MHz Total Power: 26.1 dBm Transmit Freq Error: 29.886 kHz % of OBW Power: 99.00 % x dB Bandwidth: 17.64 MHz x dB: -6.00 dB

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



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



Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	9.161	0.084	9.245	≤ 15.48
5200	11.110	0.084	11.194	
5240	11.419	0.084	11.503	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	8.961	0.084	9.045	≤ 15.48
5200	10.938	0.084	11.022	
5240	10.806	0.084	10.890	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	12.156			≤ 15.48
5200.0	14.119			
5240.0	14.218			

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

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.926	0.084	9.000	≤ 28.30
5785	2.389	0.084	9.463	
5825	2.502	0.084	9.576	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.592	0.084	8.666	≤ 28.30
5785	2.310	0.084	9.384	
5825	2.308	0.084	9.382	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	11.846			≤ 28.30
5785	12.434			
5825	12.490			

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

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

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	8.224	0.026	8.250	≤ 15.48
5200	10.747	0.026	10.773	
5240	11.191	0.026	11.217	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	7.893	0.026	7.919	≤ 15.48
5200	10.636	0.026	10.662	
5240	10.437	0.026	10.463	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	11.098			≤ 15.48
5200.0	13.728			
5240.0	13.867			

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

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.825	0.026	8.841	≤ 28.30
5785	1.871	0.026	8.887	
5825	1.928	0.026	8.944	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.455	0.026	8.471	≤ 28.30
5785	1.707	0.026	8.723	
5825	1.876	0.026	8.892	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	11.670			≤ 28.30
5785	11.816			
5825	11.928			

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

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

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.601	0.071	1.672	≤ 15.48
5230	7.143	0.071	7.214	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.280	0.071	1.351	≤ 15.48
5230	7.002	0.071	7.073	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	4.524			≤ 15.48
5230.0	10.154			

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

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-1.549	0.071	5.511	≤ 28.30
5795	-1.042	0.071	6.018	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-1.716	0.071	5.344	≤ 28.30
5795	-1.514	0.071	5.546	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	8.439			≤ 28.30
5795	8.799			

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

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

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.375	0.186	-3.189	≤ 15.48
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.459	0.186	-3.273	≤ 15.48
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	-0.221			≤ 15.48

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

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-5.231	0.186	1.944	≤ 28.30
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-5.609	0.186	1.566	≤ 28.30
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5775	4.770			≤ 28.30

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

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



Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	4.262	0.026	4.288	≤ 15.48
5200	7.357	0.026	7.383	
5240	7.867	0.026	7.893	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.927	0.026	3.953	≤ 15.48
5200	7.049	0.026	7.075	
5240	7.056	0.026	7.082	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180.0	7.134			≤ 15.48
5200.0	10.242			
5240.0	10.517			

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

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.746	0.026	5.270	≤ 28.30
5785	-1.763	0.026	5.253	
5825	-1.408	0.026	5.608	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-2.007	0.026	5.009	≤ 28.30
5785	-1.838	0.026	5.178	
5825	-1.569	0.026	5.447	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	8.151			≤ 28.30
5785	8.226			
5825	8.538			

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

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

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-1.994	0.071	-1.923	≤ 15.48
5230	3.633	0.071	3.704	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	-2.147	0.071	-2.076	≤ 15.48
5230	3.044	0.071	3.115	
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190.0	1.011			≤ 15.48
5230.0	6.429			

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

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-4.909	0.071	2.151	≤ 28.30
5795	-5.219	0.071	1.841	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-5.445	0.071	1.615	≤ 28.30
5795	-5.518	0.071	1.542	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	4.902			≤ 28.30
5795	4.705			

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

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

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.727	0.186	-6.541	≤ 15.48
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-6.945	0.186	-6.759	≤ 15.48
Power Spectral Density and E.I.R.P. Spectral Density				
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210.0	-3.639			≤ 15.48

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

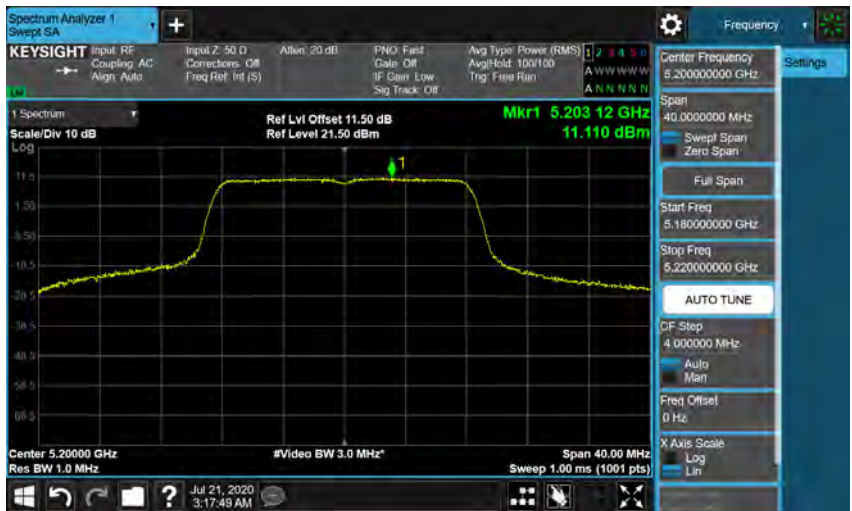
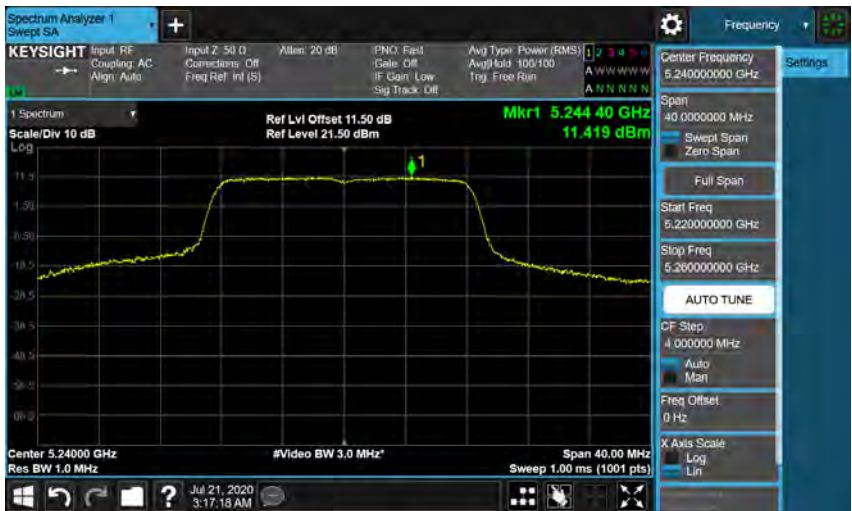
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Conducted power spectral density				
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.463	0.186	-1.288	≤ 28.30
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-8.768	0.186	-1.593	≤ 28.30
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5775	1.573			≤ 28.30

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

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

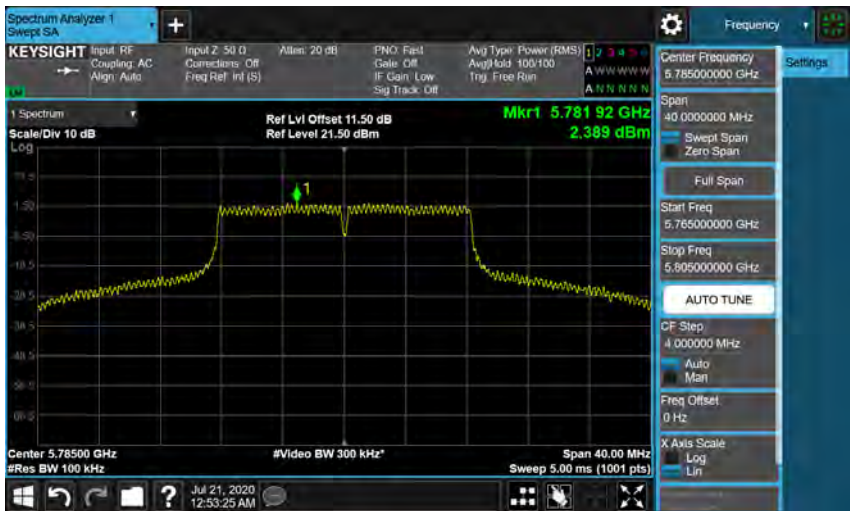
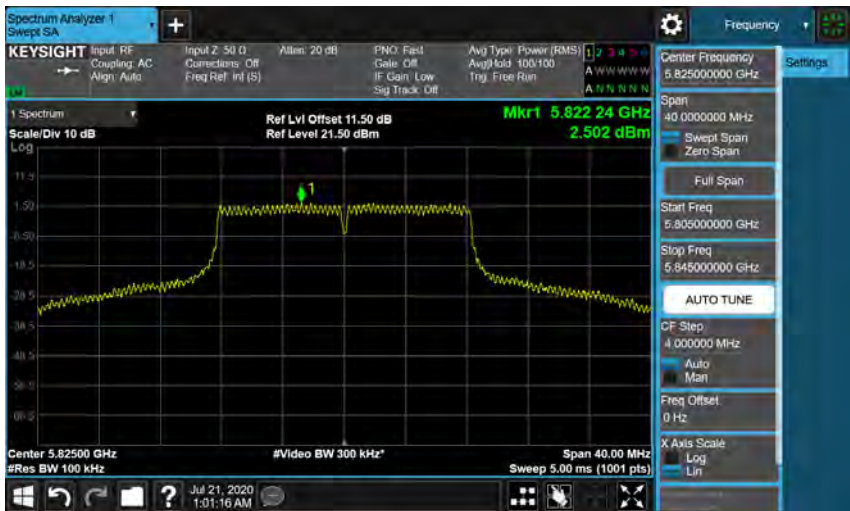


■ Test Graphs

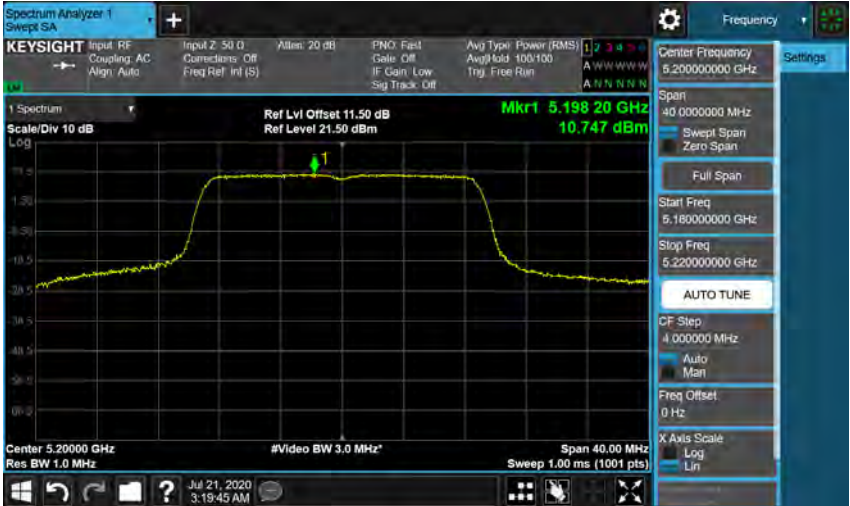
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	



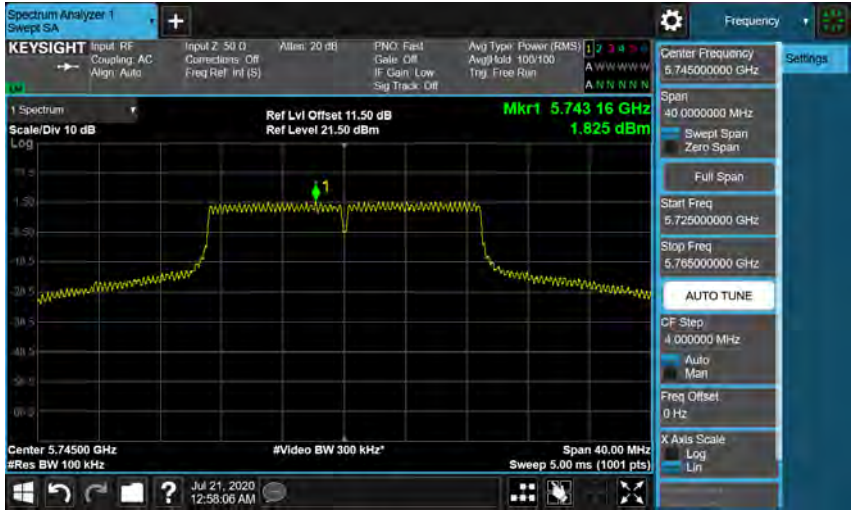
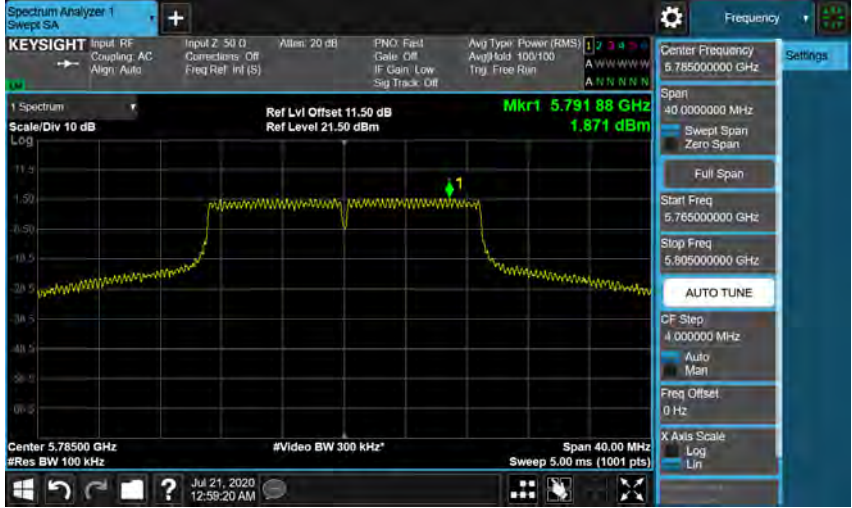
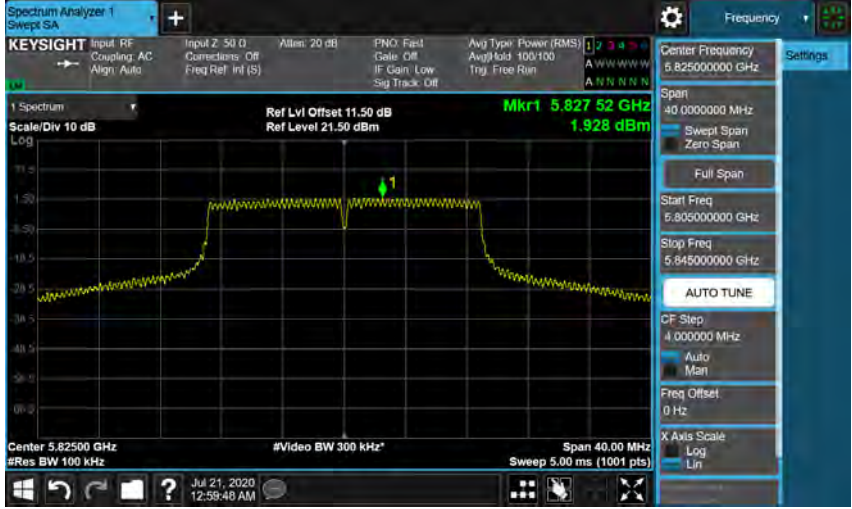
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

5745 MHz	
5785 MHz	
5825 MHz	

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

5180 MHz	
5200 MHz	
5240 MHz	

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

5745 MHz	 Center 5.74500 GHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)
5785 MHz	 Center 5.78500 GHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)
5825 MHz	 Center 5.82500 GHz #Video BW 300 kHz Span 40.00 MHz Sweep 5.00 ms (1001 pts)

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





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





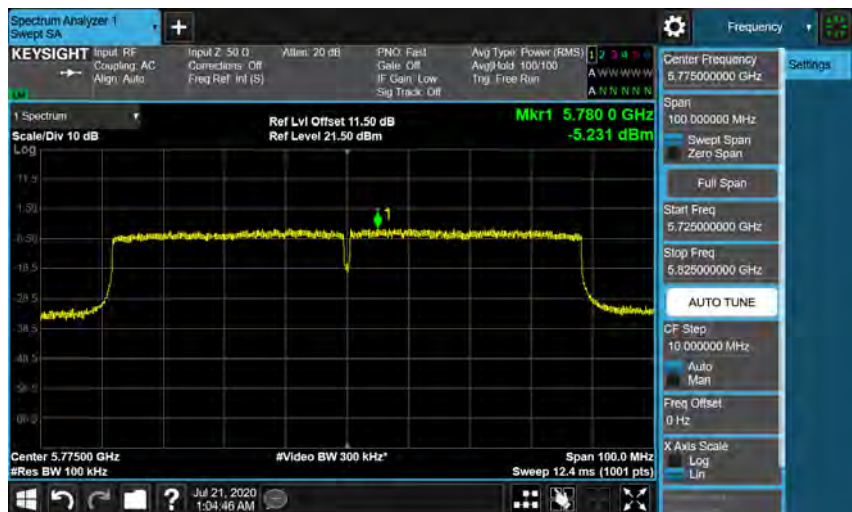
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

5210 MHz



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

5775 MHz



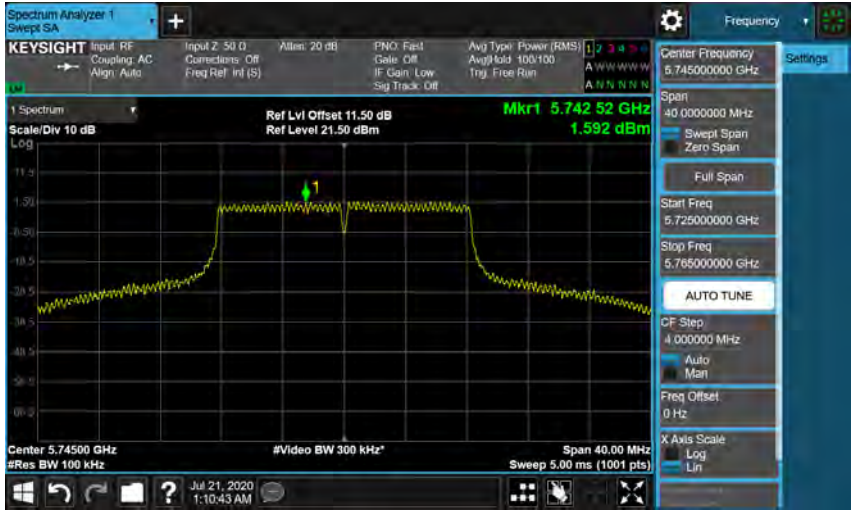
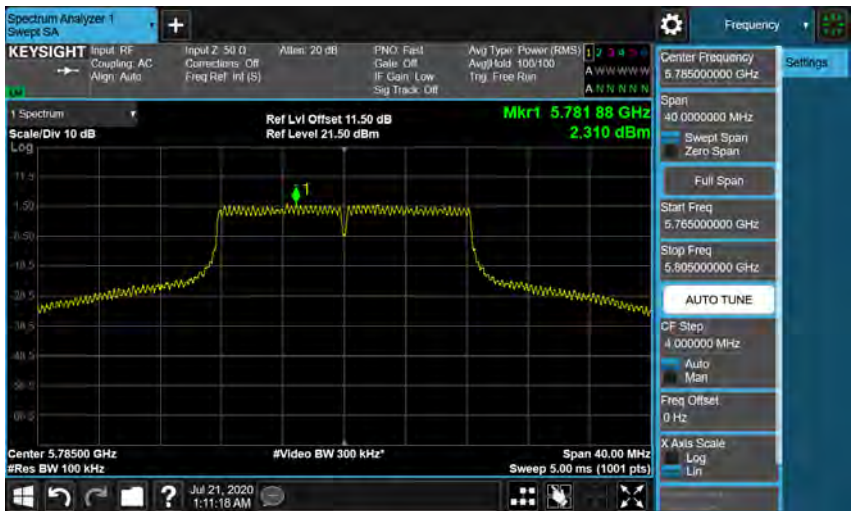
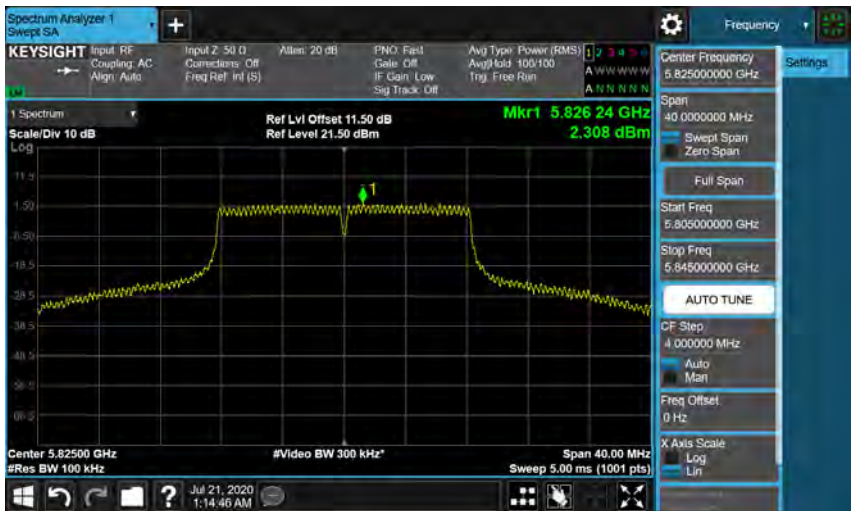


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

5180 MHz	
5200 MHz	
5240 MHz	



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

5745 MHz	
5785 MHz	
5825 MHz	

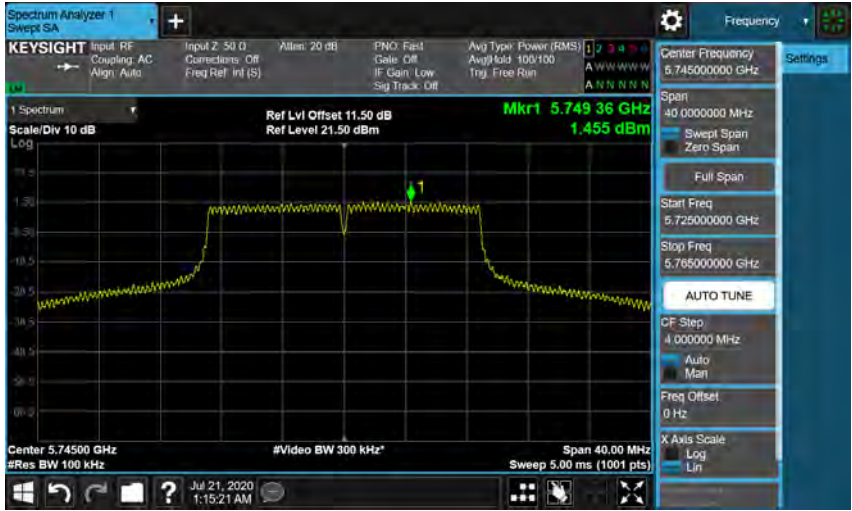
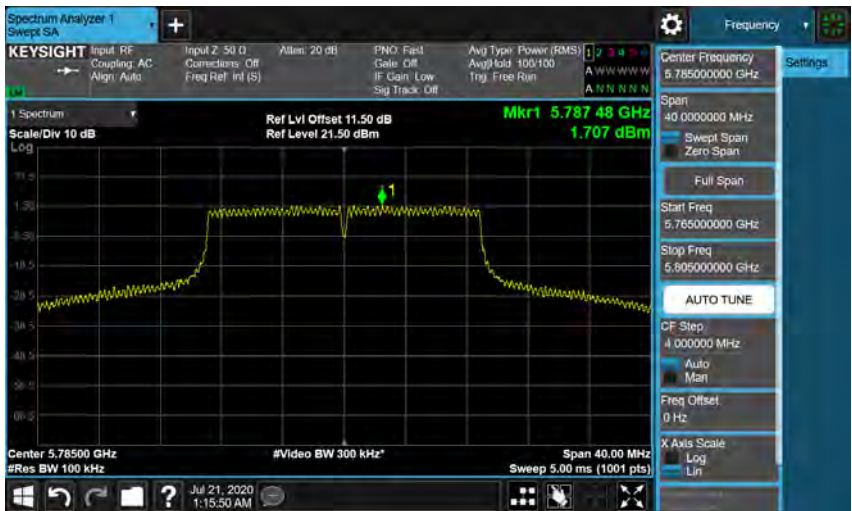
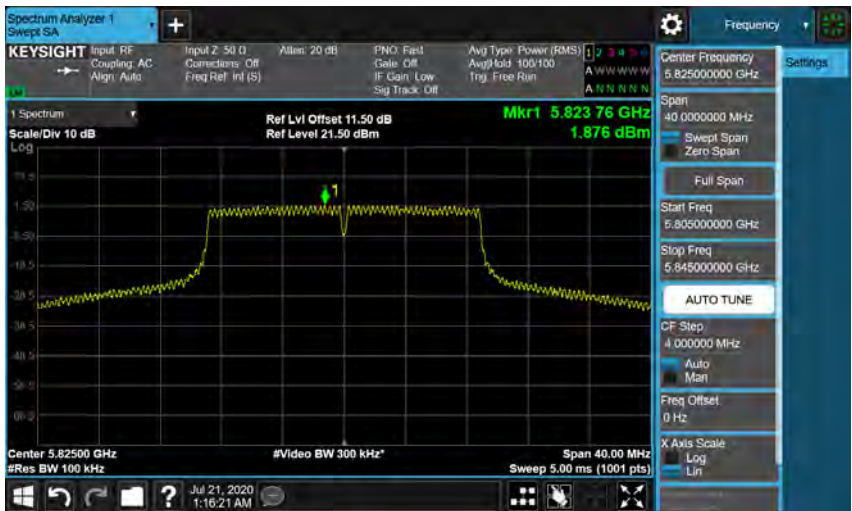


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5180 MHz	
5200 MHz	
5240 MHz	



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5745 MHz	
5785 MHz	
5825 MHz	



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





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





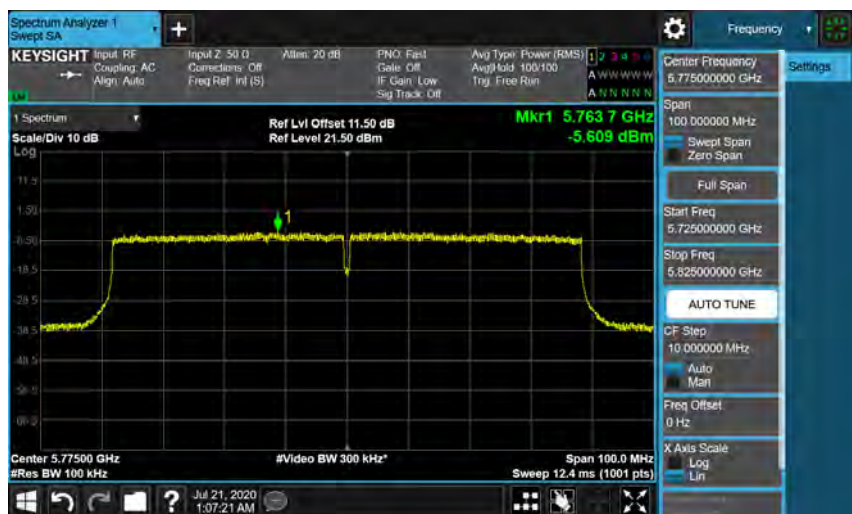
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-1

5210 MHz



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

5775 MHz



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

5180 MHz



5200 MHz

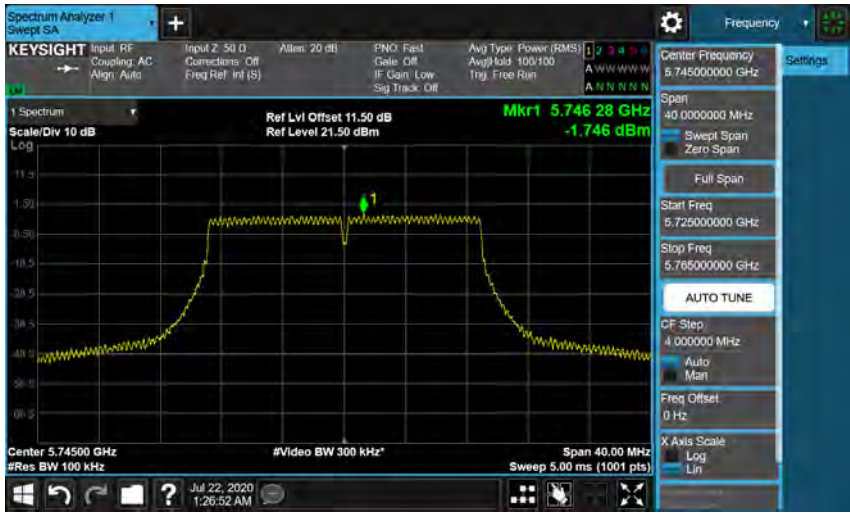
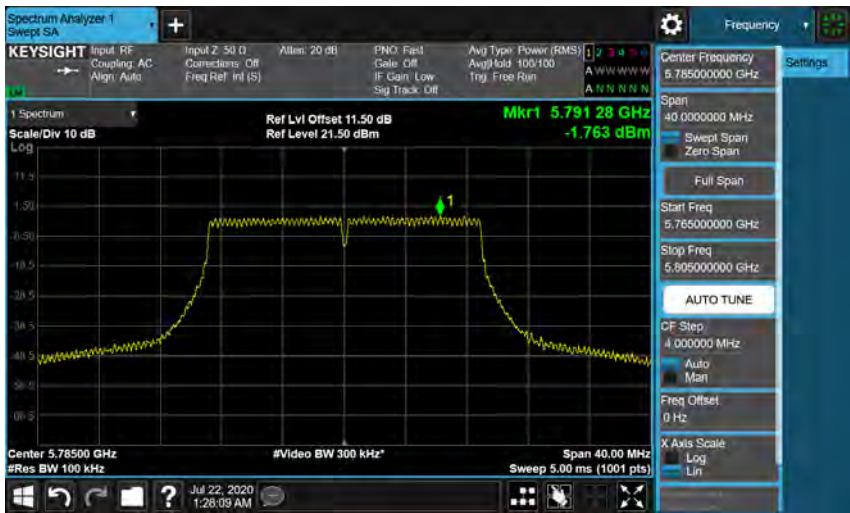
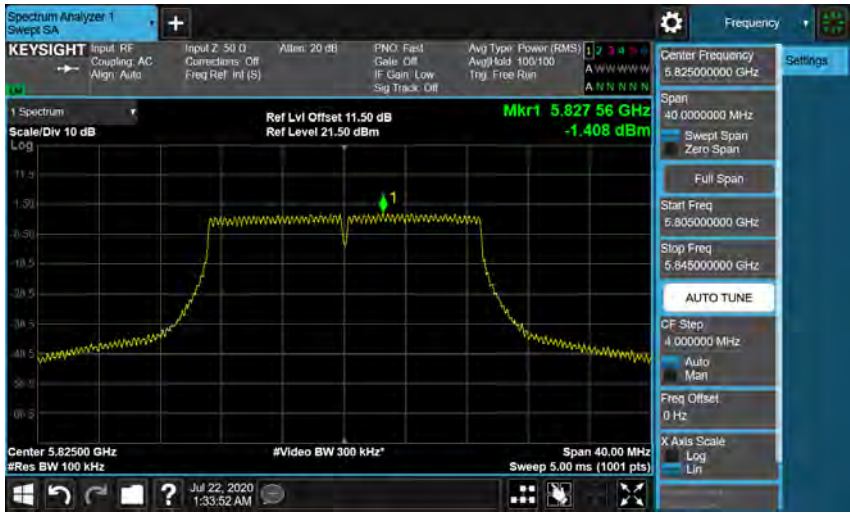


5240 MHz





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

5745 MHz	
5785 MHz	
5825 MHz	

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

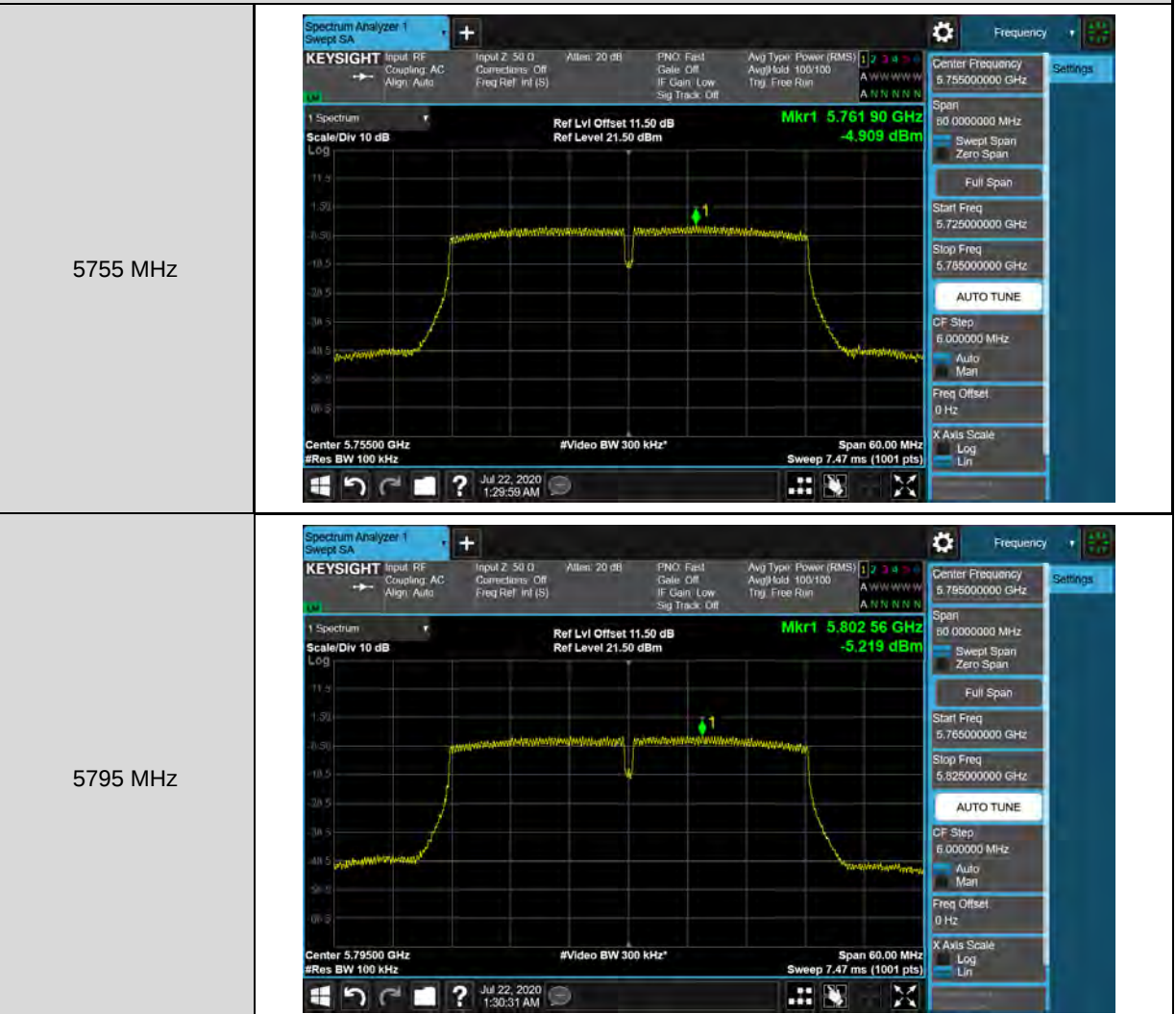
5190 MHz



5230 MHz



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





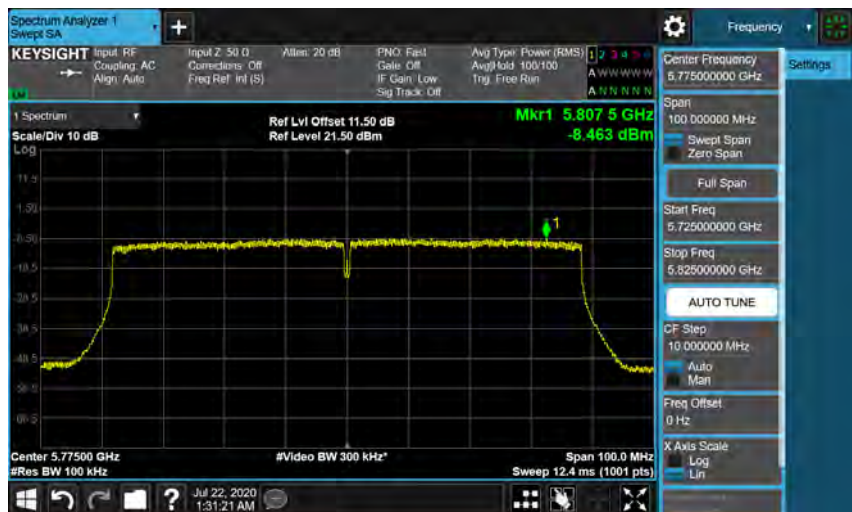
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ ANT-0

5210 MHz



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

5775 MHz

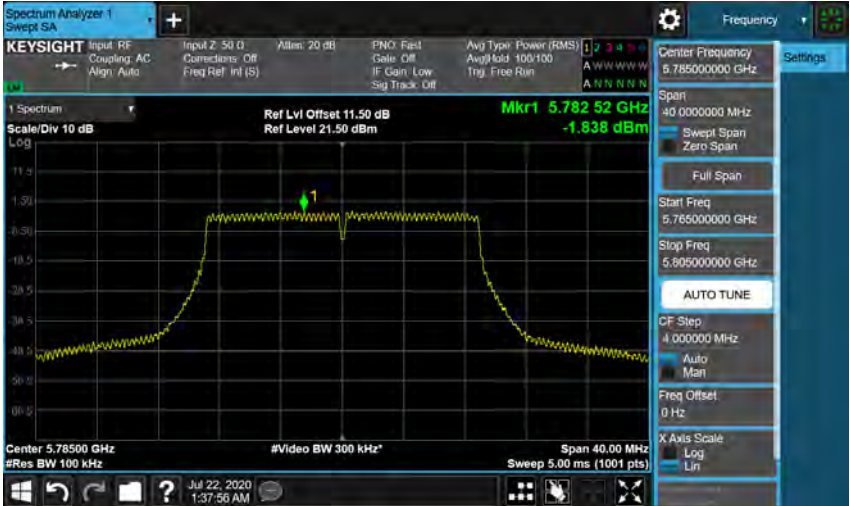
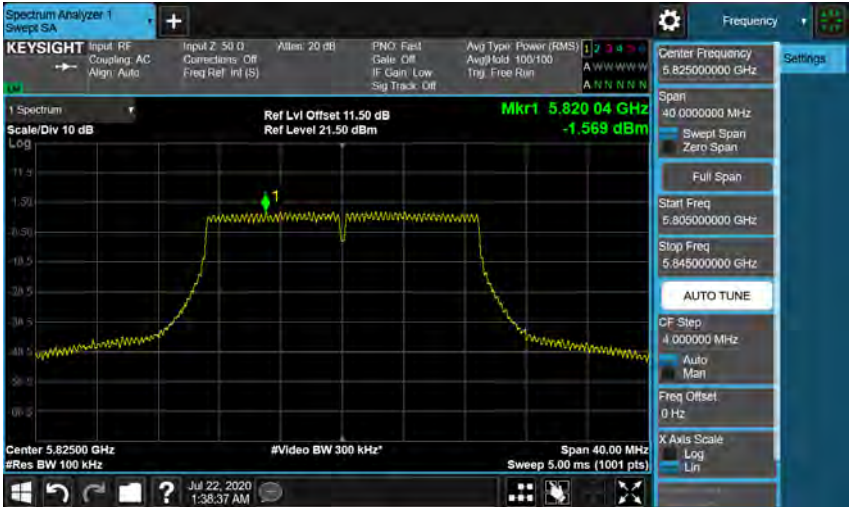




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1

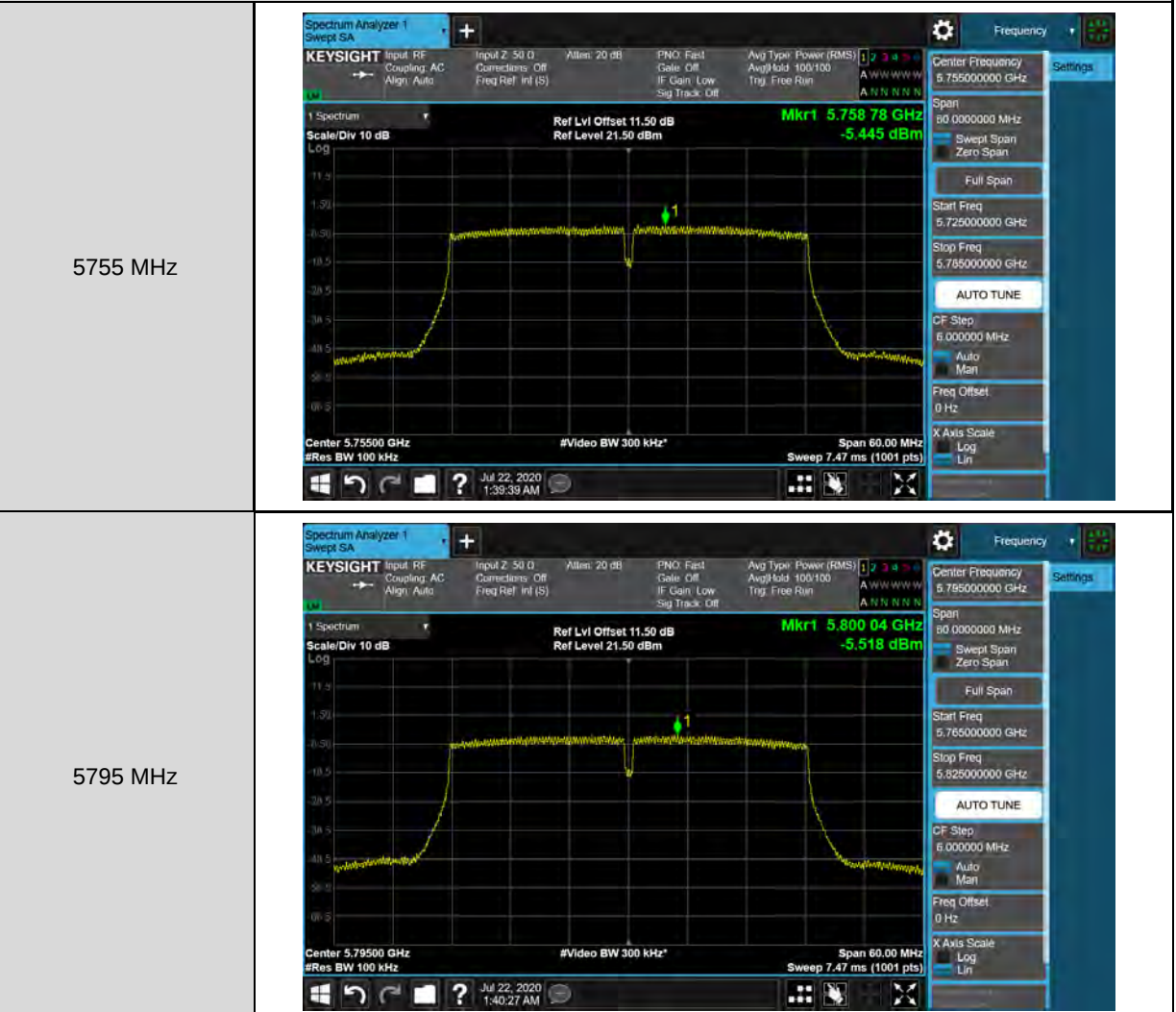
5745 MHz	
5785 MHz	
5825 MHz	

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





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



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



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



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