

FCC 47 CFR PART 15 SUBPART E

Applicant : Edimax Technology Co., Ltd.

Product Type : AC1200 Wireless LAN Dual Band Concurrent MU-MIMO Repeater

Trade Name : EDIMAX

Model Number : RE-7478RPC

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

Receive Date : Jul. 19, 2018

Test Period : Sep. 07 ~ Oct. 17, 2018

Issue Date : Nov. 02, 2018

Issue by

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

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Oct. 24, 2018	Initial Issue	Nina Lin
01	Nov. 02, 2018	Revised report information	Nina Lin

Verification of Compliance

Issued Date: Nov. 02, 2018

Applicant : Edimax Technology Co., Ltd.
Product Type : AC1200 Wireless LAN Dual Band Concurrent MU-MIMO Repeater
Trade Name : EDIMAX
Model Number : RE-7478RPC
FCC ID : NDD9574781803
EUT Rated Voltage : 100-240 Vac, 50-60 Hz, 0.25 A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330

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

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

Approved By : Fly Lu Reviewed By : Eric Ou Yang
(Manager) (Fly Lu) (Testing Engineer) (Eric Ou Yang)

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1 General Information

1.1. Summary of Test Result

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

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

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

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	9 kHz ~ 150 kHz	2.7
	150 kHz ~ 30 MHz	2.7
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.5
	18000 MHz ~ 26500 MHz	4.8
	26500 MHz ~ 40000 MHz	4.8
Conducted Output Power		+0.27 dB / -0.28 dB
RF Bandwidth		4.96 %
Power Spectral Density		+0.71 dB / -0.77 dB
Frequency Stability		+ 2.212 x 10 ⁻⁷ % / - 2.170 x 10 ⁻⁷
Duty Cycle		1.06 %
Time Occupancy		1.40 %

2 EUT Description

Applicant	Edimax Technology Co., Ltd. No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan			
Manufacturer	Edimax Technology Co., Ltd. No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan			
Product Type	AC1200 Wireless LAN Dual Band Concurrent MU-MIMO Repeater			
Trade Name	EDIMAX			
Model No.	RE-7478RPC			
FCC ID	NDD9574781803			
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels
	IEEE 802.11a	U-NII Band I	5180 – 5240	4
		U-NII Band III	5745 – 5825	5
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I	5180 – 5240	4
		U-NII Band III	5745 – 5825	5
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band I	5190 – 5230	2
		U-NII Band III	5755 – 5795	2
	IEEE 802.11ac 80 MHz	U-NII Band I	5210	1
		U-NII Band III	5775	1
Modulation Type	OFDM			
Equipment Type	Master+Client			
Antenna information	Antenna	Model	Type	Max. Gain (dBi)
	ANT-0	ALX17M-222XX2	embedded antenna	3.17
	ANT-1	ALX17M-222XX3	embedded antenna	5.89
	G_{ANT}			4.74
Antenna Delivery	Reference section 3.1			
Frequency stability specification	± 20 ppm			
Operate Temp. Range	0 ~ +40 °C			



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.071
	U-NII Band III	0.212
IEEE 802.11ac 20 MHz	U-NII Band I	0.080
	U-NII Band III	0.209
IEEE 802.11ac 40 MHz	U-NII Band I	0.094
	U-NII Band III	0.246
IEEE 802.11ac 80 MHz	U-NII Band I	0.066
	U-NII Band III	0.220

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.038
	U-NII Band III	0.093
IEEE 802.11ac 40 MHz	U-NII Band I	0.042
	U-NII Band III	0.114
IEEE 802.11ac 80 MHz	U-NII Band I	0.031
	U-NII Band III	0.094

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

3 Test Methodology

3.1. Mode of Operation

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

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

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

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

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	Band	Test Channel
Mode 2	2TX (MIMO)	6 M	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 3	2TX (MIMO/Beamforming on)	13 M	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 4	2TX (MIMO/Beamforming on)	27 M	U-NII Band I	38, 46
			U-NII Band III	151, 159
Mode 5	2TX (MIMO/Beamforming on)	58.6 M	U-NII Band I	42
			U-NII Band III	155

Duty cycle

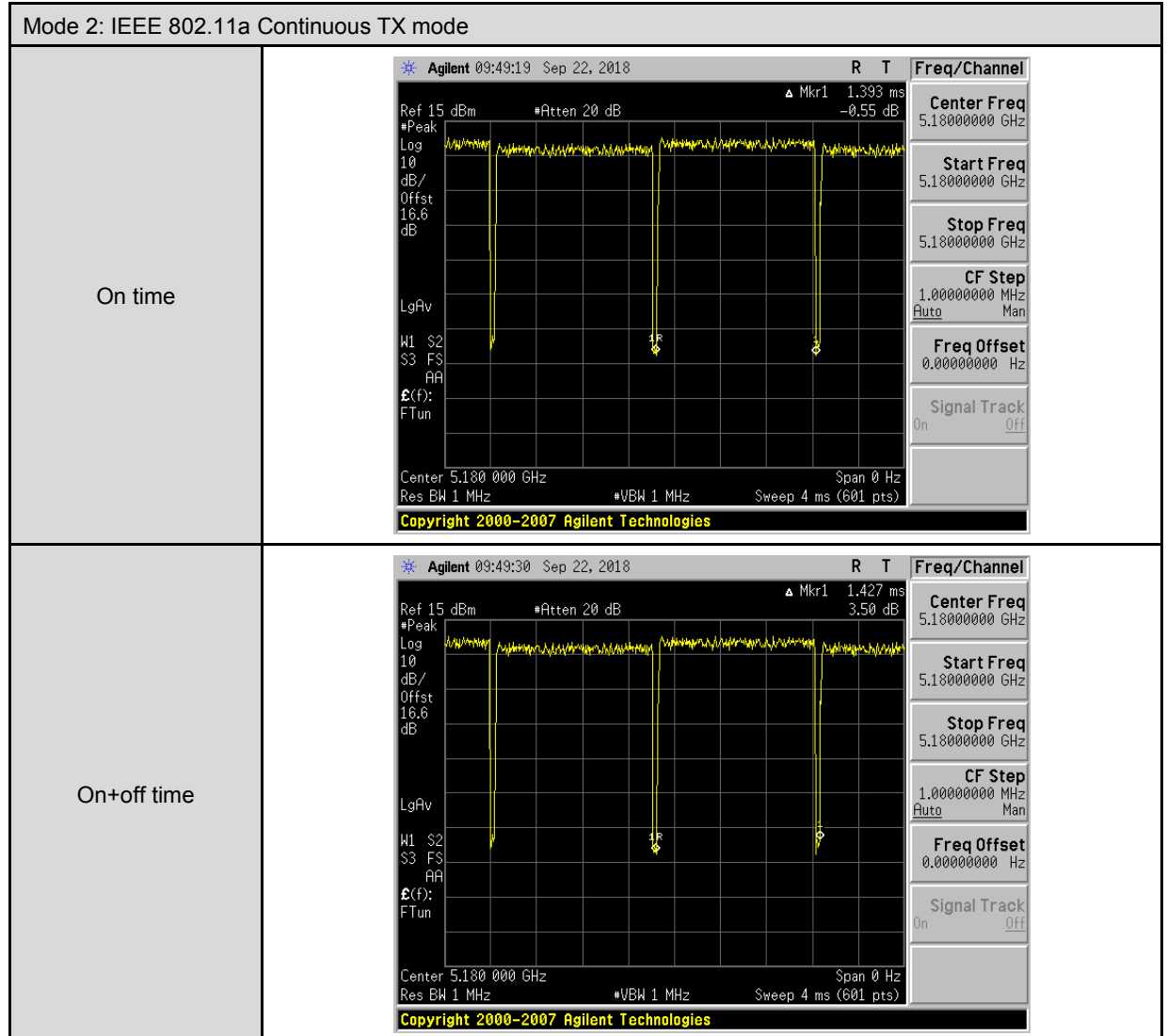
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	1.393	1.427	0.976	0.105	0.718
Mode 3	5180.0	1.293	1.320	0.980	0.090	0.773
Mode 4	5190.0	0.653	0.687	0.951	0.217	1.531
Mode 5	5210.0	0.347	0.380	0.912	0.398	2.884

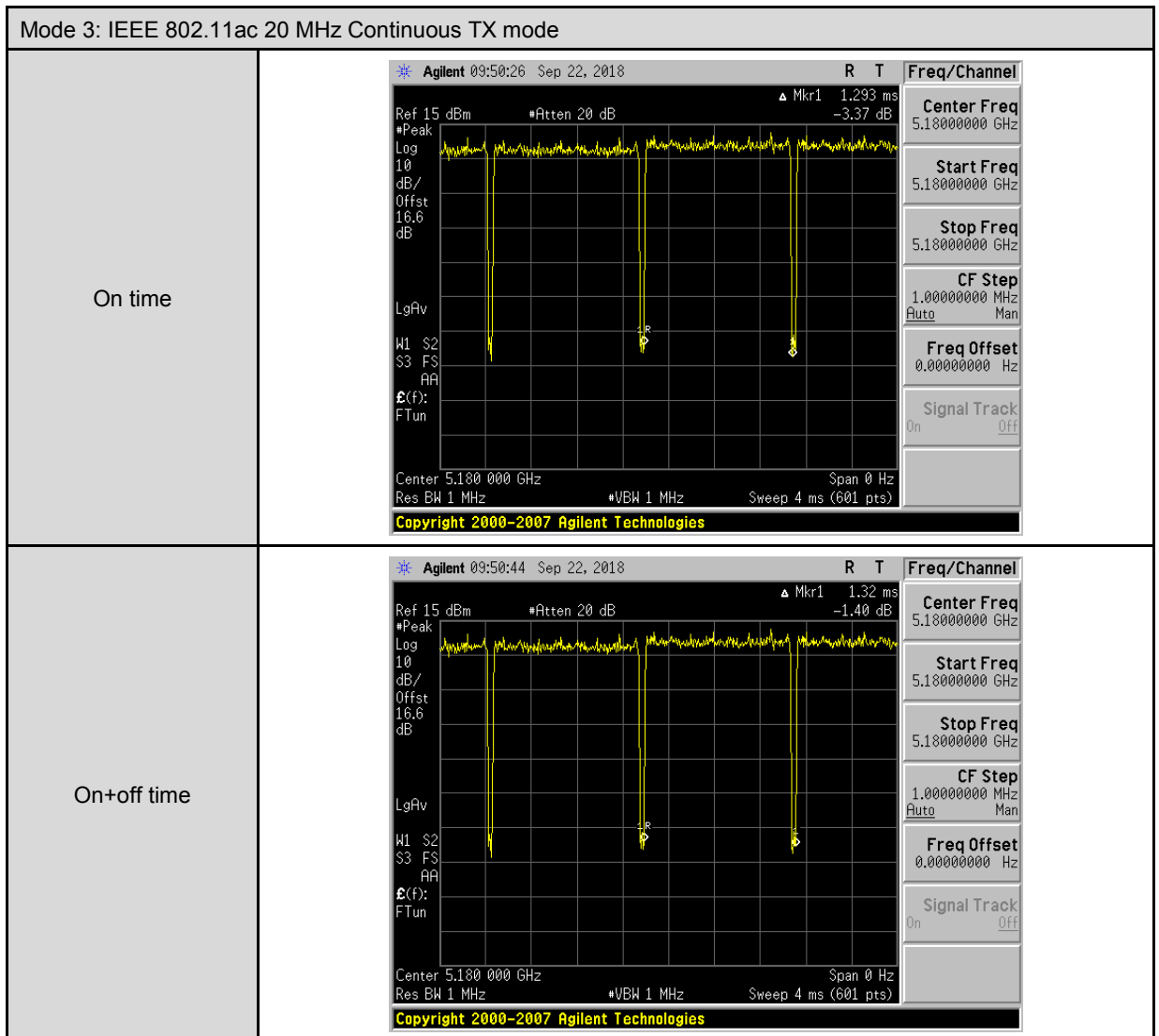
Beamforming on

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	1.287	1.320	0.975	0.110	0.777
Mode 4	5190.0	0.647	0.680	0.951	0.218	1.546
Mode 5	5210.0	0.340	0.373	0.911	0.406	2.941

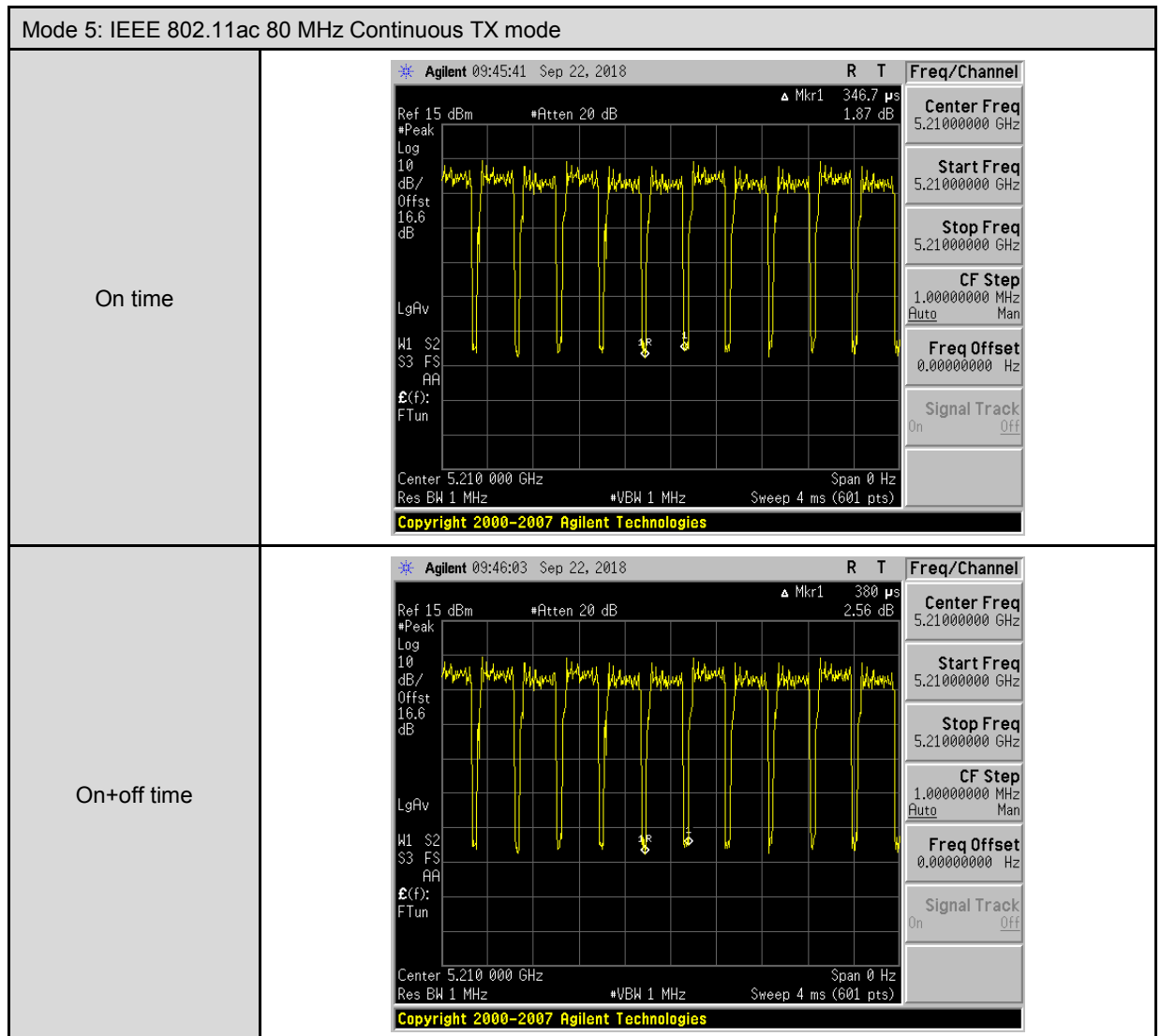


Duty Cycle Graphs







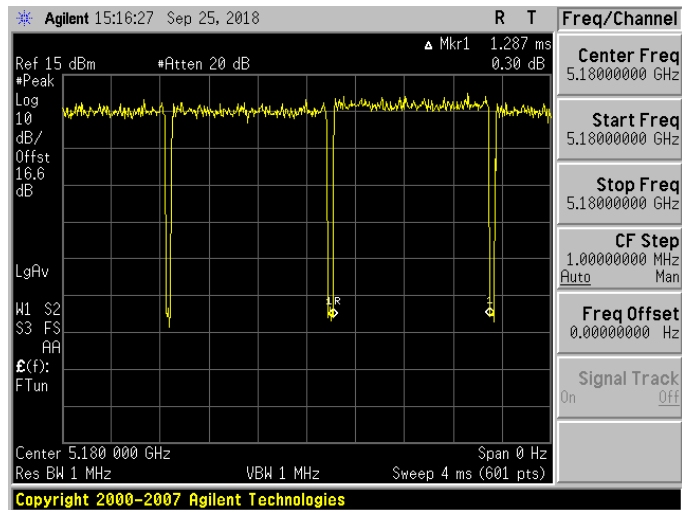




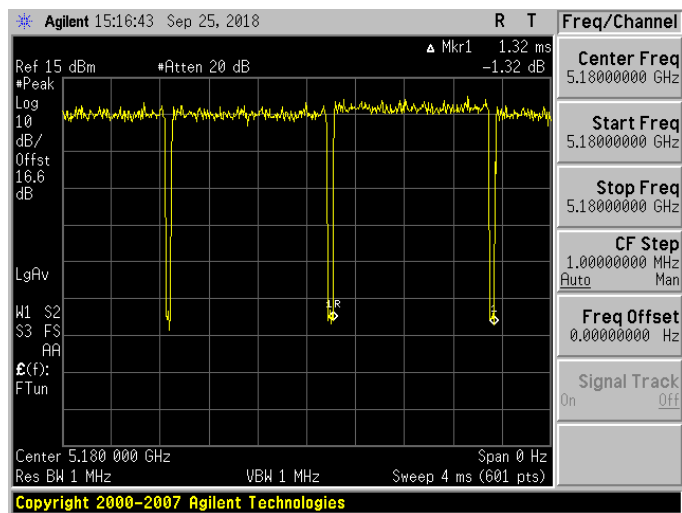
Beamforming on

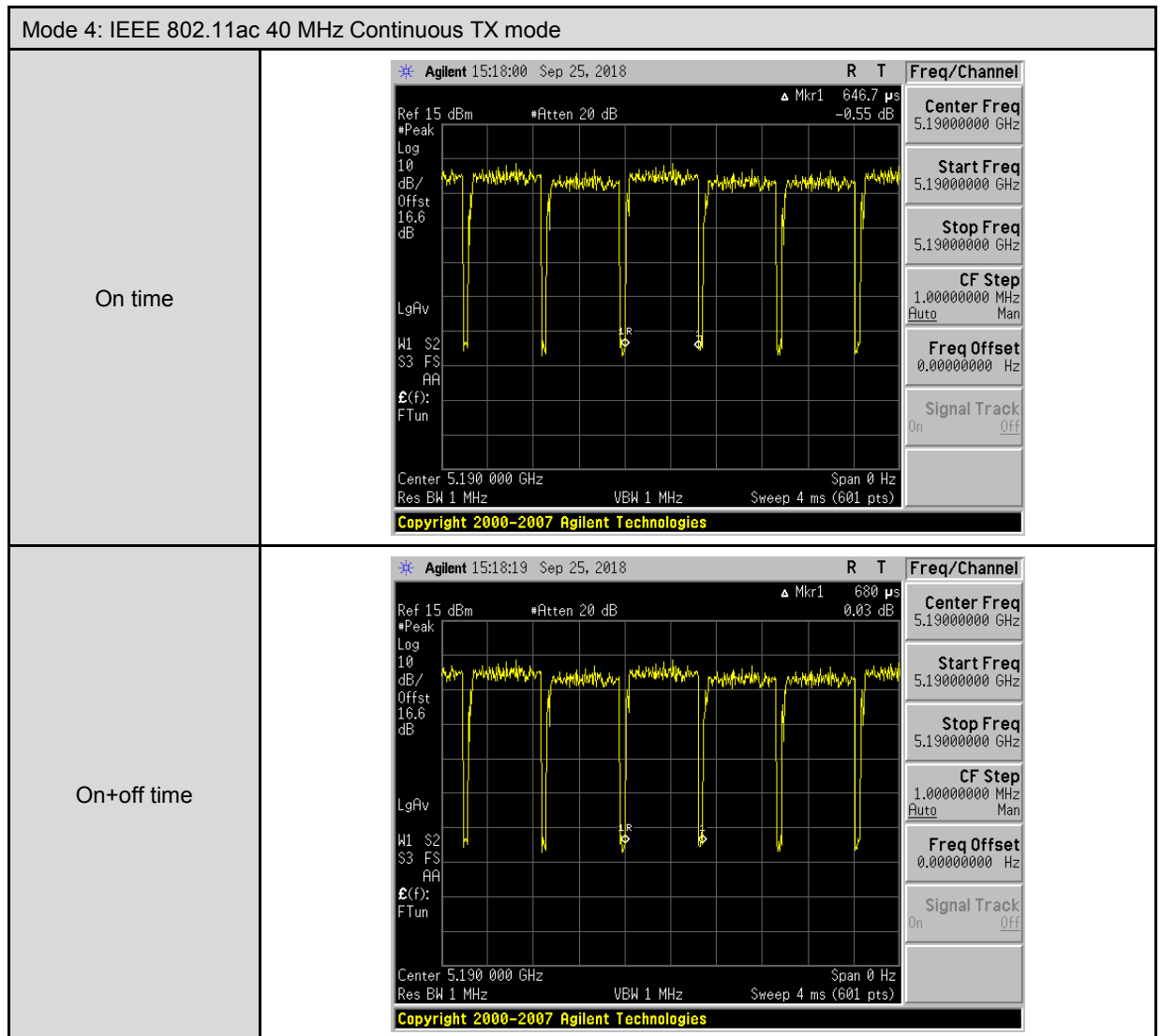
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode

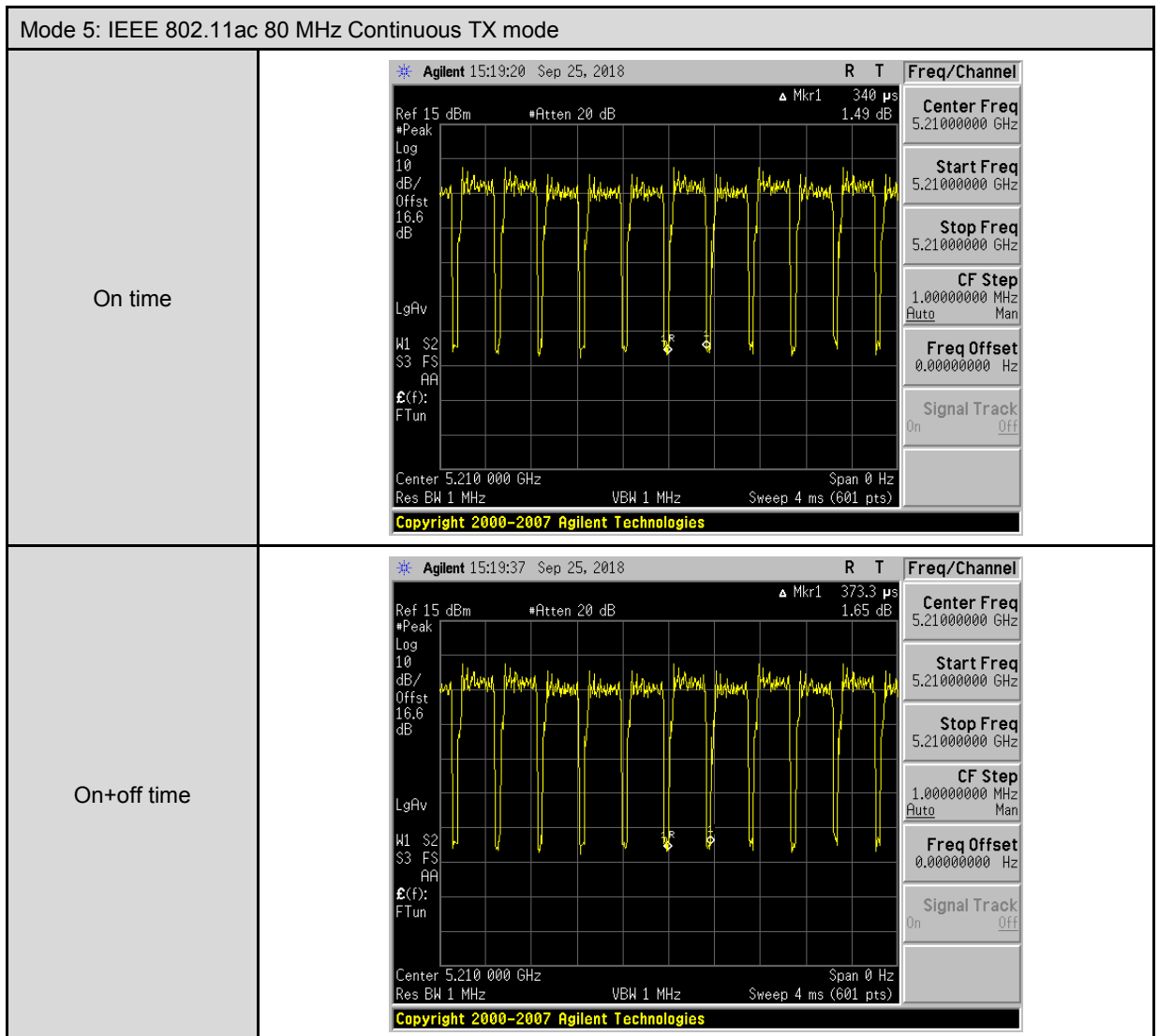
On time



On+off time









3.2. EUT Test Step

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

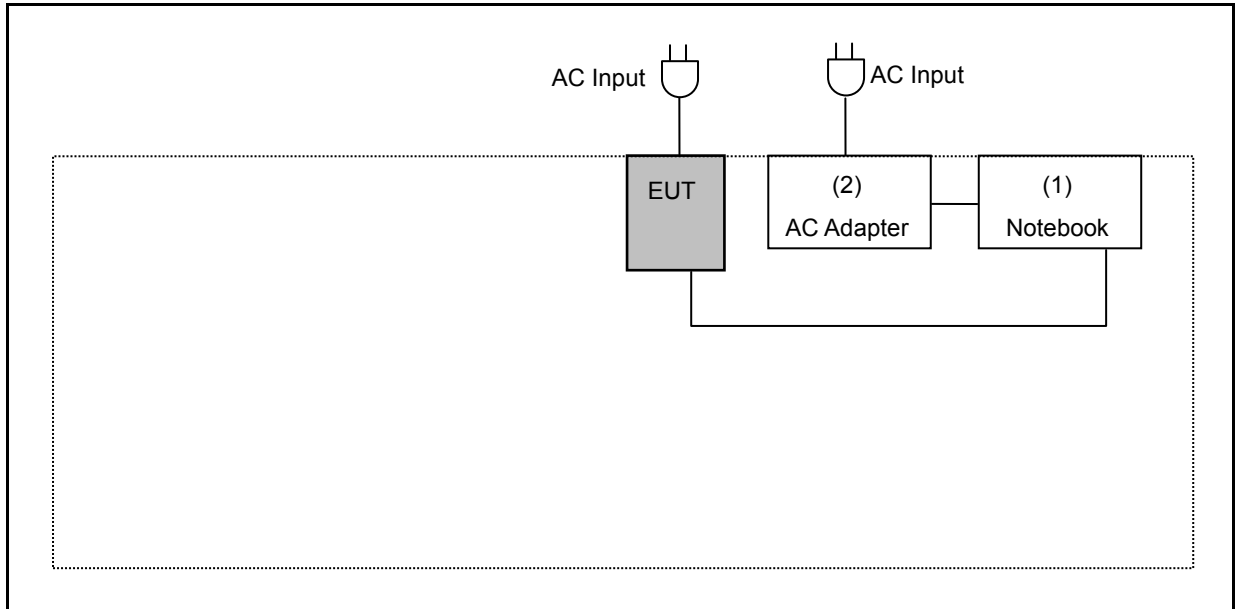
According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

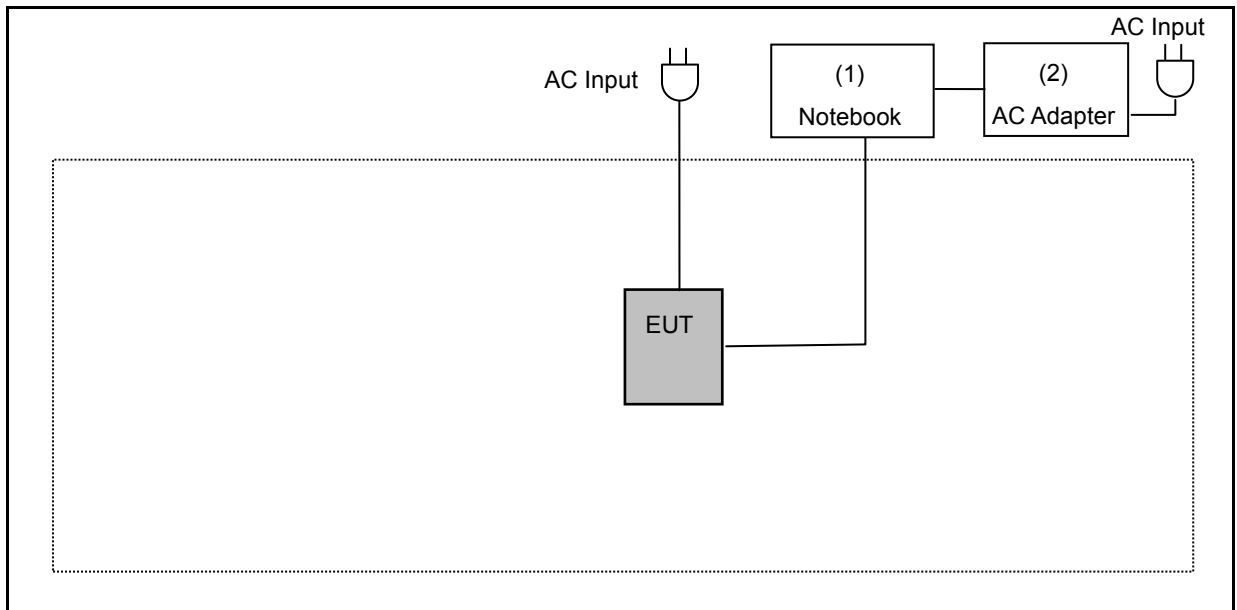
Measurement Software	
1	EZ-EMC Ver. ATL-03A1-1
2	EZ-EMC Ver ATL-ITC-3A1-1

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	DELL	LATITUDE E6440	5HZBD72	---
(2)	AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m



3.4. Test Instruments

For Conducted Emission

Test Period: Oct. 17, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/21/2018	1 year
LISN	R&S	ENV216	101040	04/11/2018	1 year
LISN	R&S	ENV216	101041	03/23/2018	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/17/2018	1 year

For Radiated Emissions

Test Period: Sep. 07 ~ Sep. 11, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/15/2018	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/16/2017	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/10/2018	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/23/2018	1 year
Pre Amplifier (1~26.5 GHz)	EMCI	EMC012645SE	980289	01/17/2018	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/26/2017	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/23/2018	1 year
Horn Antenna (18~40 GHz)	ETS	3116	86467	09/19/2017	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/13/2018	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2018	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 3000	170814	10/31/2017	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2018	1 year

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



For Conducted

Test Period: Sep. 18 ~ Sep. 25, 2018

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (3 Hz~13.2 GHz)	Agilent	E4445A	MY45300744	12/11/2017	1 year
Power Sensor	Anritsu	MA2411B	1126022	08/29/2018	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2018	1 year

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

3.5. Test Site Environment

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

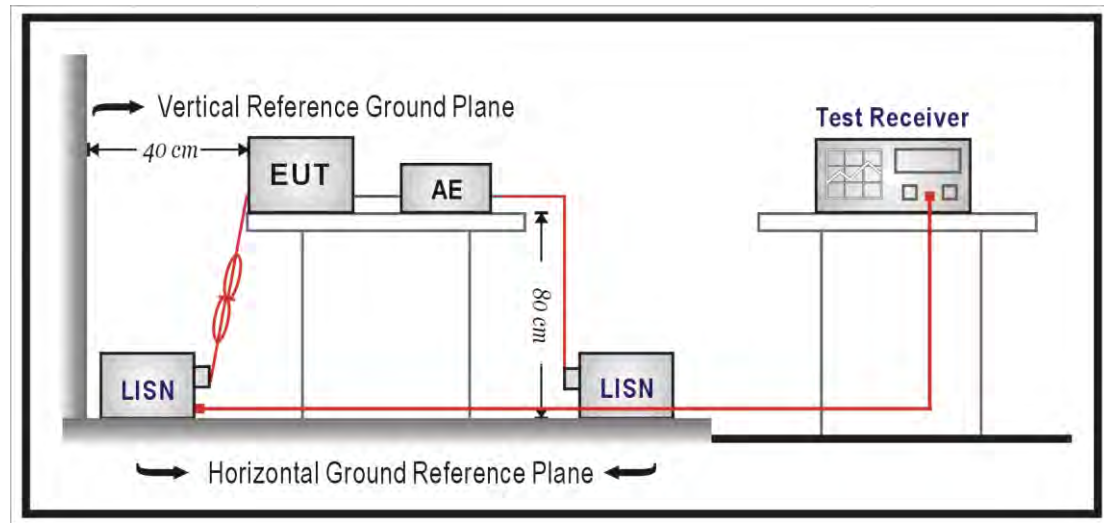
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

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

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

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

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

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

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

(2)Limits of Radiated Emission Measurement

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

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

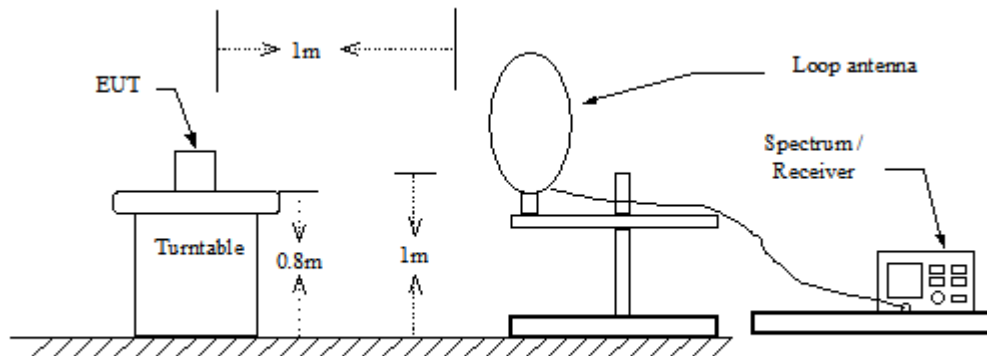
Note: 1. The lower limit shall apply at the transition frequencies.

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

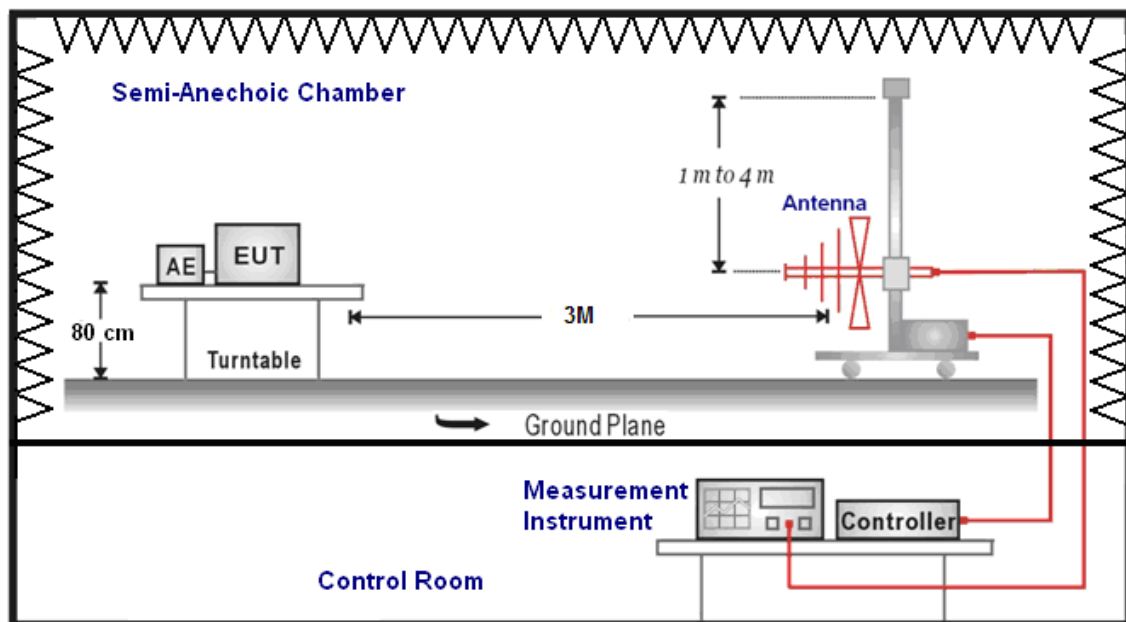
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

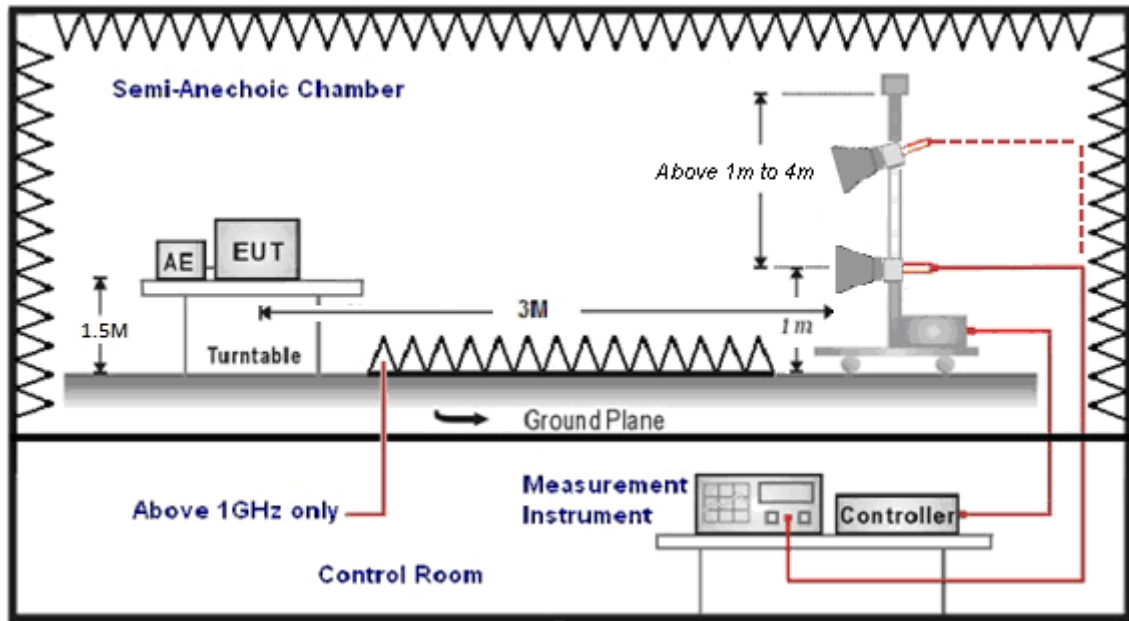
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



■ Test Procedure

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

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

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

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

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

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

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

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

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

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

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

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

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

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

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

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

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

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

Measuring Instruments and setting

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

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

4.3. Maximum Conducted Output Power Measurement

■ Limit

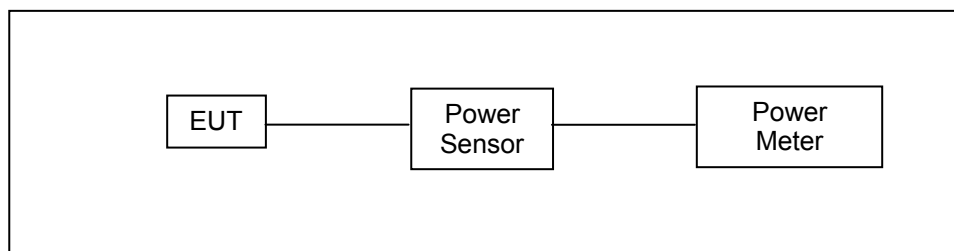
Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit	
	Master	Client
5.150 ~ 5.250 GHz	The lesser of 1 W (30 dBm)	The lesser of 250 mW (24 dBm)
5.725 ~ 5.850 GHz	The lesser of 1 W (30 dBm)	The lesser of 1 W (30 dBm)

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

MIMO/BF mode

- * Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / N\} = 7.65 \text{ dBi} > 6 \text{ dBi}$
- * Power limit shall be reduced = $24 - 1.65 = 22.35 \text{ dBm}$ (5.150 ~ 5.250 GHz)
- * Power limit shall be reduced = $30 - 1.65 = 28.35 \text{ dBm}$ (5.725 ~ 5.850 GHz)

■ Test Setup



■ Test Procedure

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

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

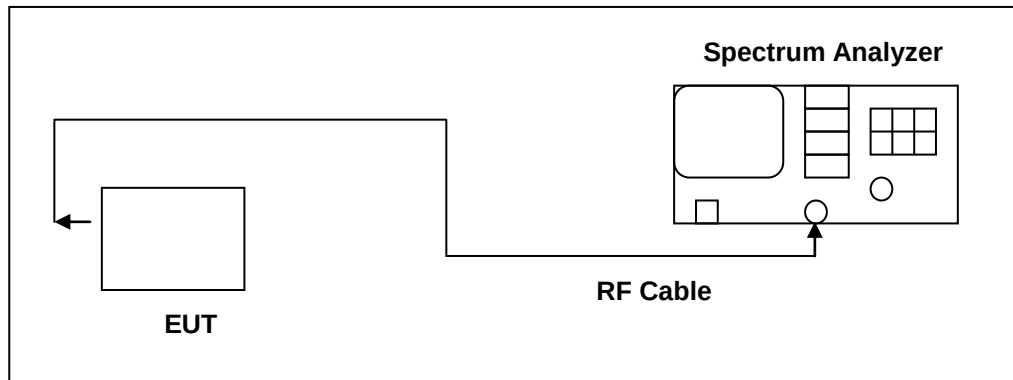
b) Method PM-G (Measurement using a gated RF average power meter)

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

■ Limit

N/A

■ Test Setup



■ Test Procedure

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

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

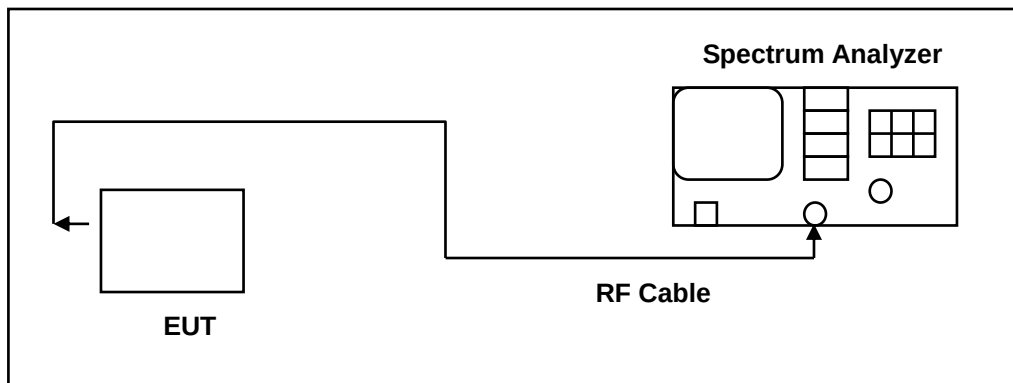
4.5. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth

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

■ Test Setup



■ Test Procedure

6 dB RF Bandwidth

The EUT tested to UNII test procedure of KDB789033 D02 for compliance to FCC 47CFR 15.407 requirements.

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

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

■ Limit

Conducted power spectral density

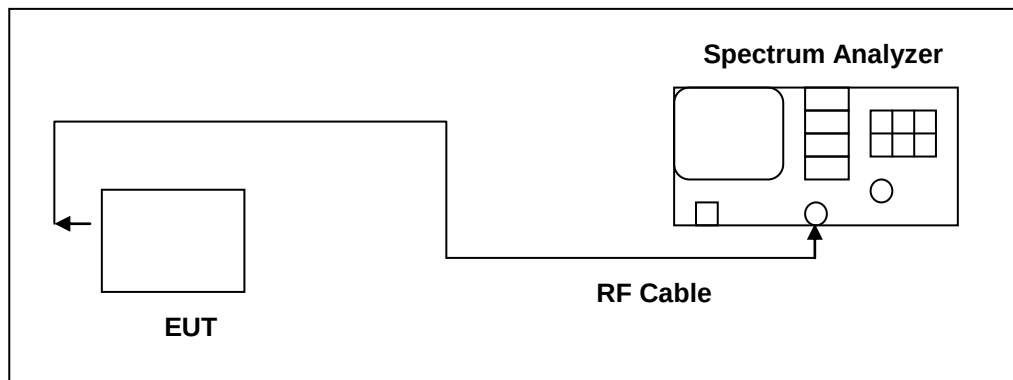
Frequency Range (MHz)	FCC Limit	
	Master	Client
5.150 ~ 5.250 GHz	17 dBm/MHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz	---

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

MIMO/BF mode:

- * Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 7.65 dBi > 6dBi
- * Pwer spectral density limit shall be reduced = 11 – 1.65 = 9.35 dBm/MHz (5.150 ~ 5.250 GHz)
- * Power spectral density limit shall be reduced = 30 – 1.65 = 28.35 dBm/500 kHz (5.725 ~ 5.850 GHz)

■ Test Setup



**■ Test Procedure**

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

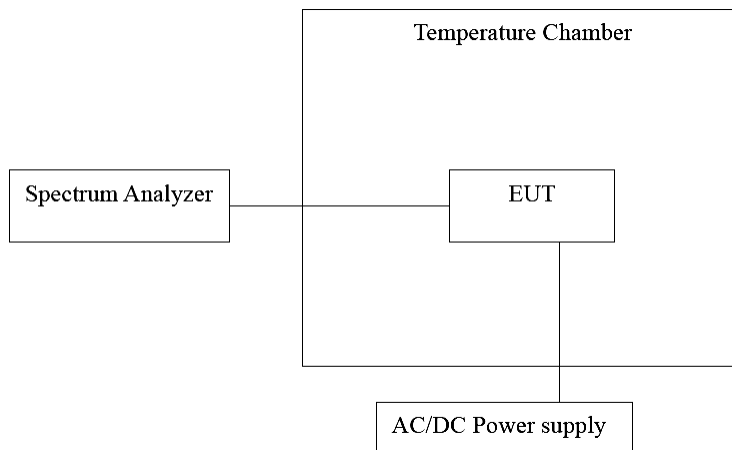
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz (5725 ~ 5850 MHz use 100 kHz)
VBW	3 MHz (5725 ~ 5850 MHz use 300 kHz)
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of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

4.7. Frequency Stability Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

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

4.8. Automatically discontinue transmission

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

■ Declare

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

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

4.9. Antenna Requirement

■ Limit

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

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

■ Antenna Connector Construction

See section 2 – antenna information.

■ Directional Gain Calculated

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 7.65 dBi > 6 dBi

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.65
	U-NII Band III	7.65
IEEE 802.11ac 20 MHz	U-NII Band I	7.65
	U-NII Band III	7.65
IEEE 802.11ac 40 MHz	U-NII Band I	7.65
	U-NII Band III	7.65
IEEE 802.11ac 80 MHz	U-NII Band I	7.65
	U-NII Band III	7.65



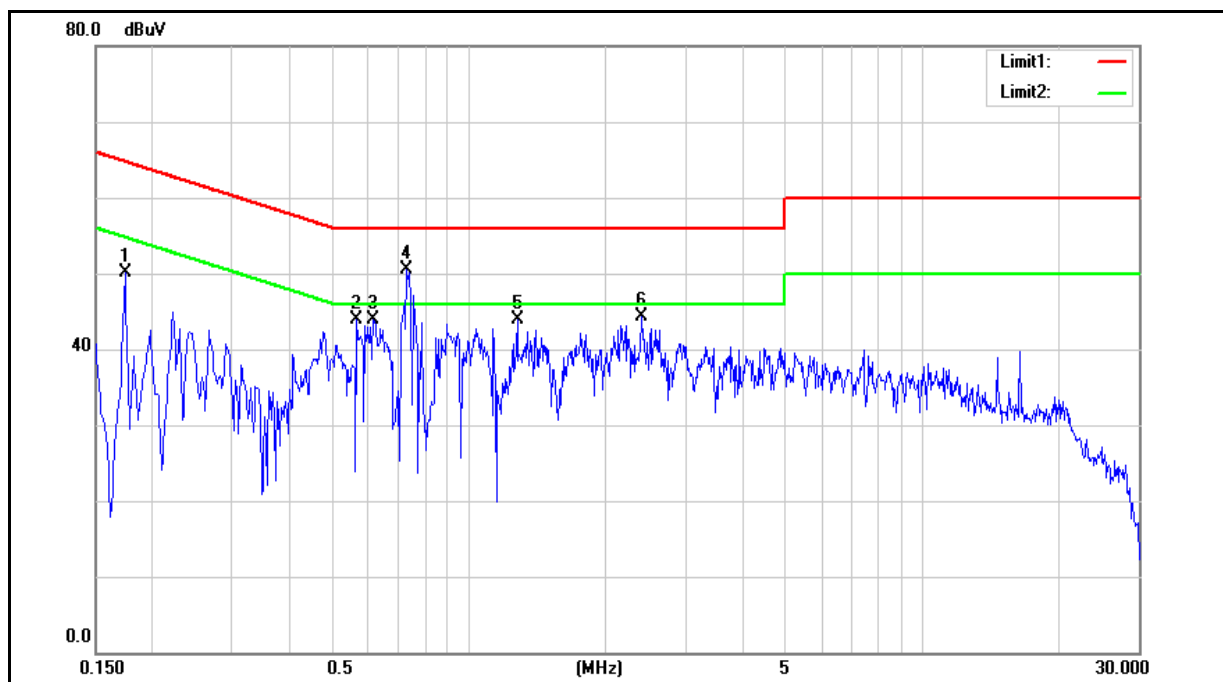
Beamforming on

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	7.65
	U-NII Band III	7.65
IEEE 802.11ac 40 MHz	U-NII Band I	7.65
	U-NII Band III	7.65
IEEE 802.11ac 80 MHz	U-NII Band I	7.65
	U-NII Band III	7.65

5 Test Results

5.1. AC Power Conducted Emission Measurement

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

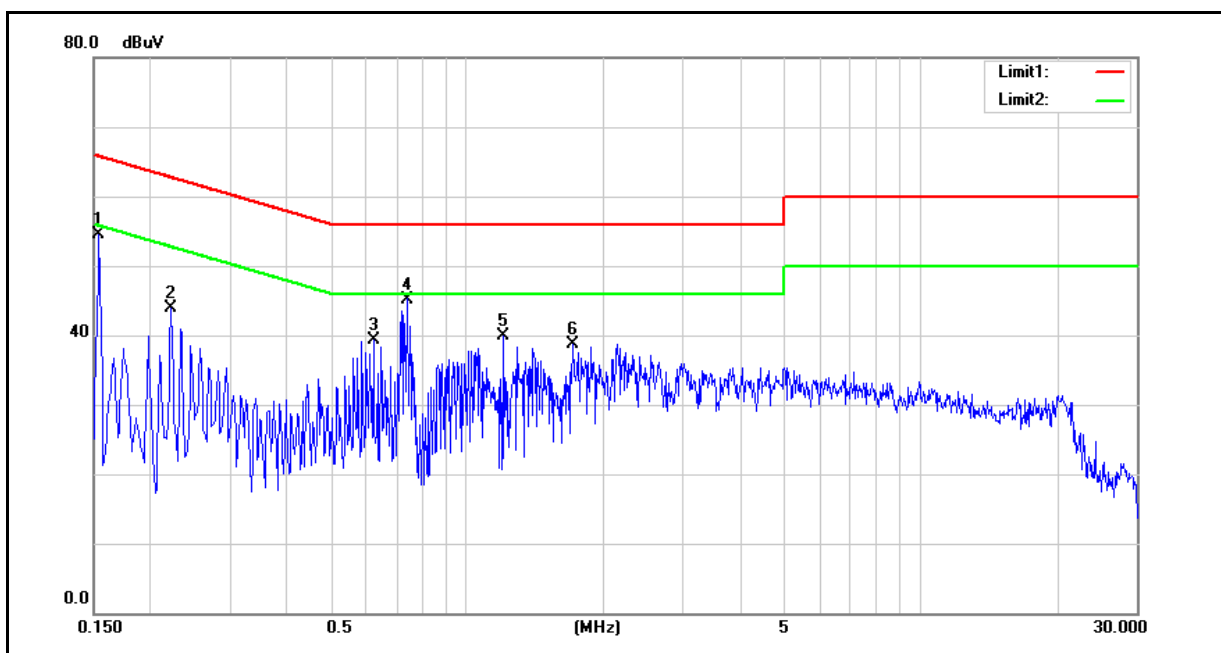


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1740	33.45	23.96	9.60	43.05	33.56	64.77	54.77	-21.72	-21.21	Pass
2	0.5660	30.05	22.05	9.60	39.65	31.65	56.00	46.00	-16.35	-14.35	Pass
3	0.6140	33.43	24.82	9.60	43.03	34.42	56.00	46.00	-12.97	-11.58	Pass
4	0.7300	38.67	28.68	9.62	48.29	38.30	56.00	46.00	-7.71	-7.70	Pass
5	1.2780	28.03	19.52	9.64	37.67	29.16	56.00	46.00	-18.33	-16.84	Pass
6	2.4020	27.35	18.12	9.68	37.03	27.80	56.00	46.00	-18.97	-18.20	Pass

Note: 1. Result = Correction factor + Reading

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	39.46	17.26	9.71	49.17	26.97	65.78	55.78	-16.61	-28.81	Pass
2	0.2220	28.42	13.19	9.70	38.12	22.89	62.74	52.74	-24.62	-29.85	Pass
3	0.6220	25.53	13.28	9.71	35.24	22.99	56.00	46.00	-20.76	-23.01	Pass
4	0.7380	33.58	21.07	9.72	43.30	30.79	56.00	46.00	-12.70	-15.21	Pass
5	1.1980	18.79	7.92	9.74	28.53	17.66	56.00	46.00	-27.47	-28.34	Pass
6	1.7100	21.38	10.79	9.76	31.14	20.55	56.00	46.00	-24.86	-25.45	Pass

Note: 1. Result = Correction factor + Reading

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

5.2. Transmitter Radiated Emissions Measurement

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
267.6500	35.74	-4.89	30.85	46.00	-15.15	QP	H
375.3200	31.53	-2.34	29.19	46.00	-16.81	QP	H
492.6900	32.53	0.08	32.61	46.00	-13.39	QP	H
517.9100	31.89	0.47	32.36	46.00	-13.64	QP	H
708.0300	28.29	4.46	32.75	46.00	-13.25	QP	H
905.9100	27.74	8.14	35.88	46.00	-10.12	QP	H
203.6300	33.88	-7.83	26.05	43.50	-17.45	QP	V
270.5600	35.53	-4.75	30.78	46.00	-15.22	QP	V
400.5400	30.46	-1.77	28.69	46.00	-17.31	QP	V
491.7200	35.19	0.06	35.25	46.00	-10.75	QP	V
520.8200	36.72	0.52	37.24	46.00	-8.76	QP	V
871.9600	27.41	7.52	34.93	46.00	-11.07	QP	V

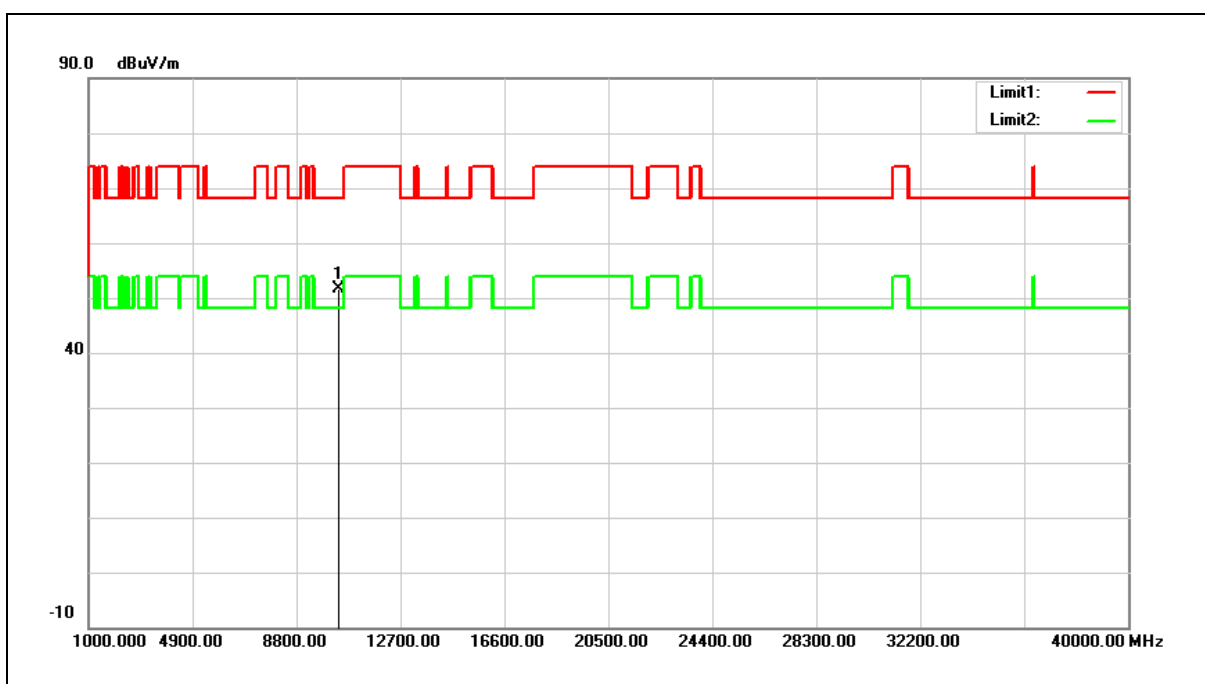
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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

Above 1 GHz

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



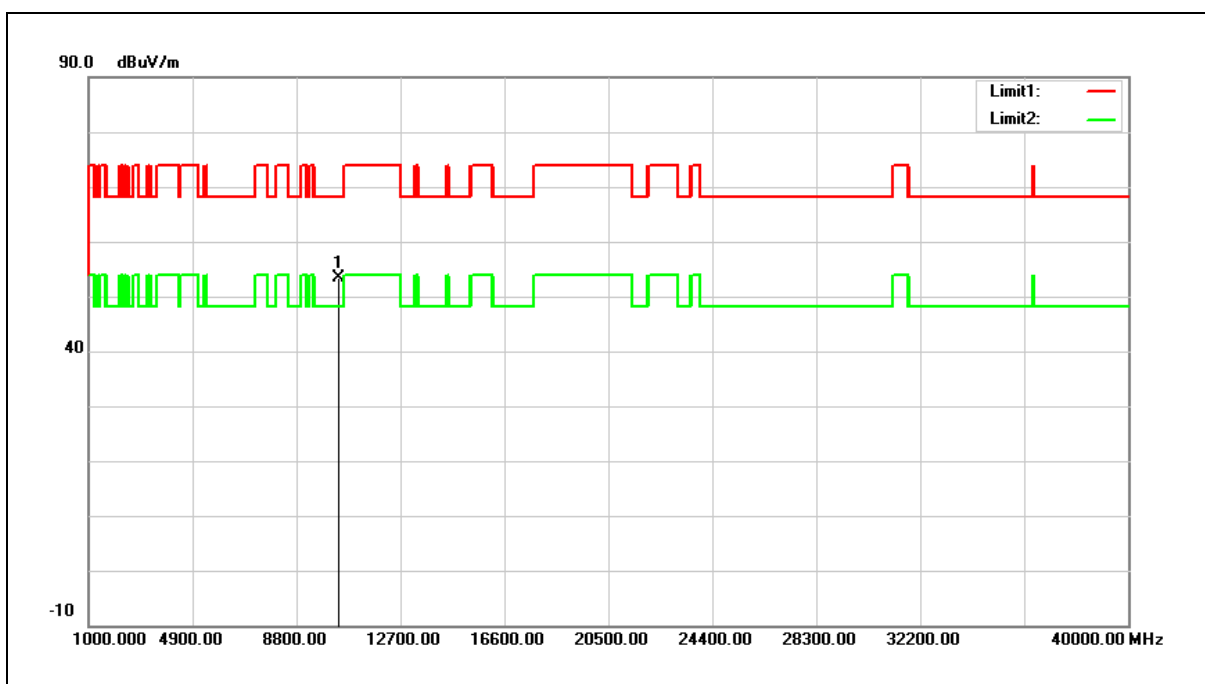
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	34.85	16.84	51.69	68.20	-16.51	peak

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

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

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

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



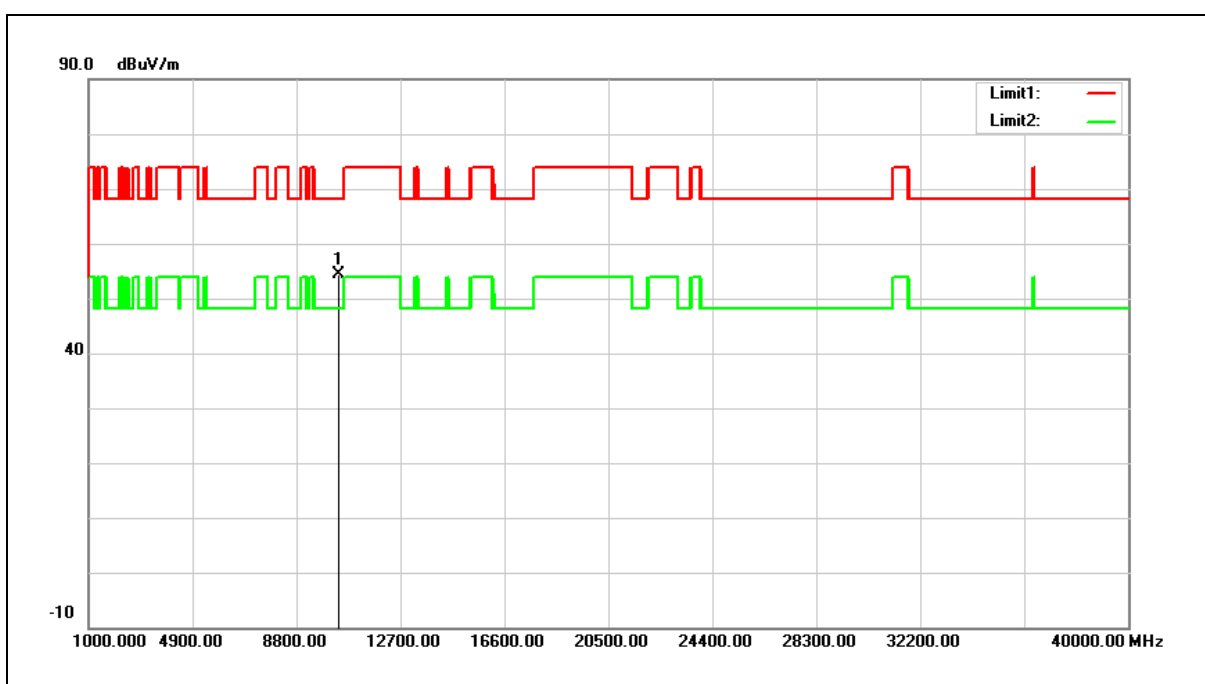
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	36.56	16.84	53.40	68.20	-14.80	peak

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

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

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

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



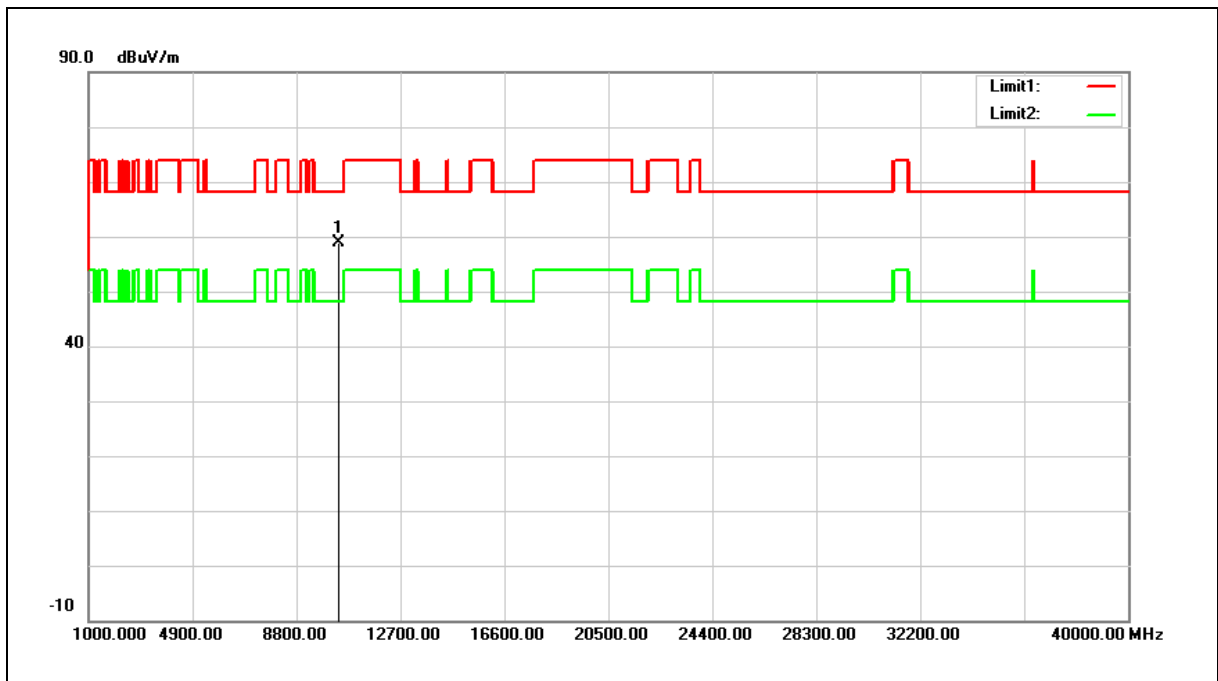
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	37.46	16.97	54.43	68.20	-13.77	peak

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

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

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

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



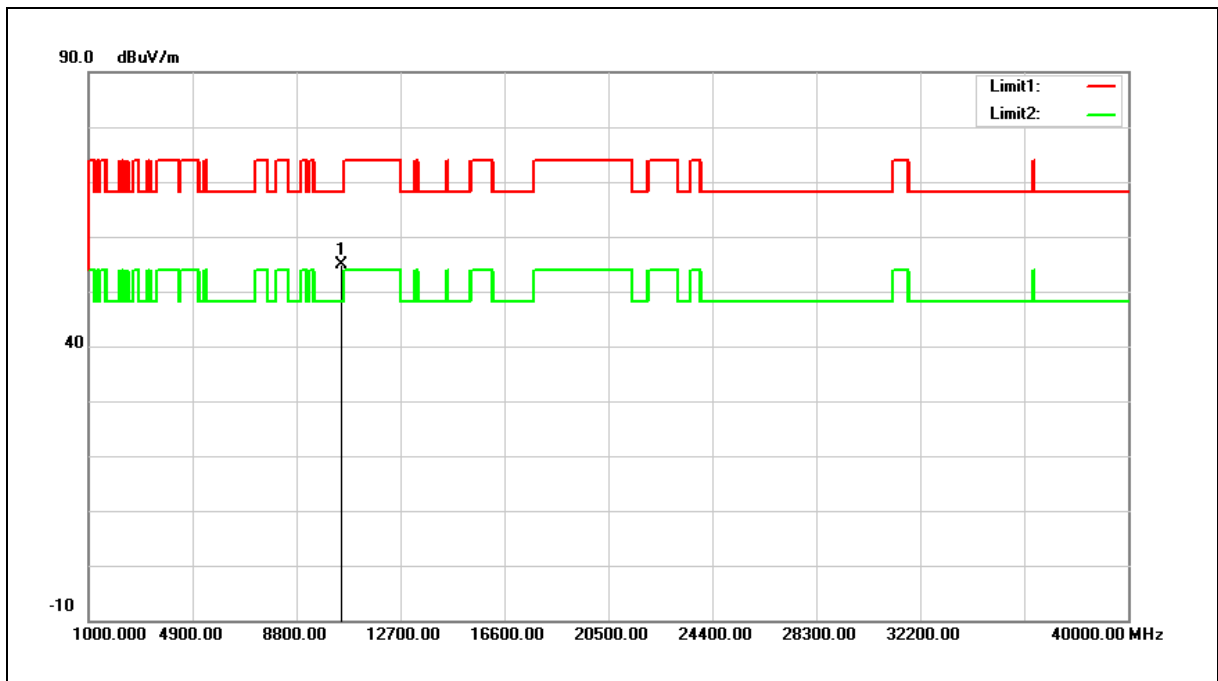
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	42.03	16.97	59.00	68.20	-9.20	peak

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

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

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

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



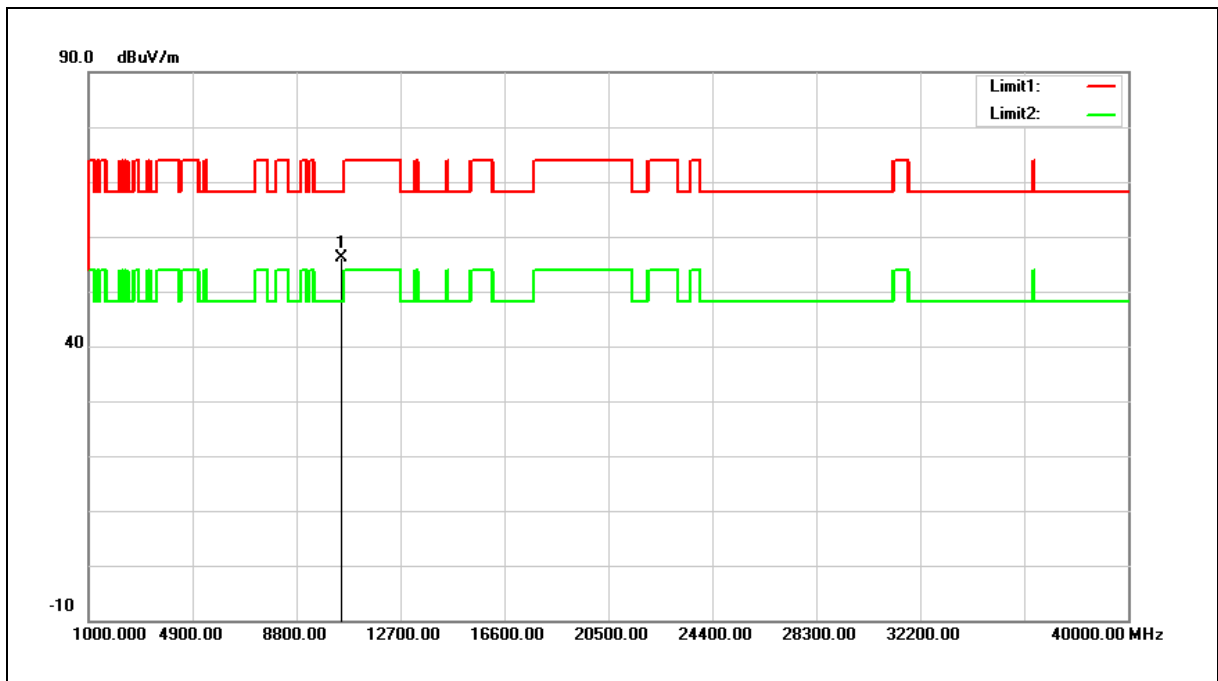
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	37.77	17.23	55.00	68.20	-13.20	peak

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

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

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

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



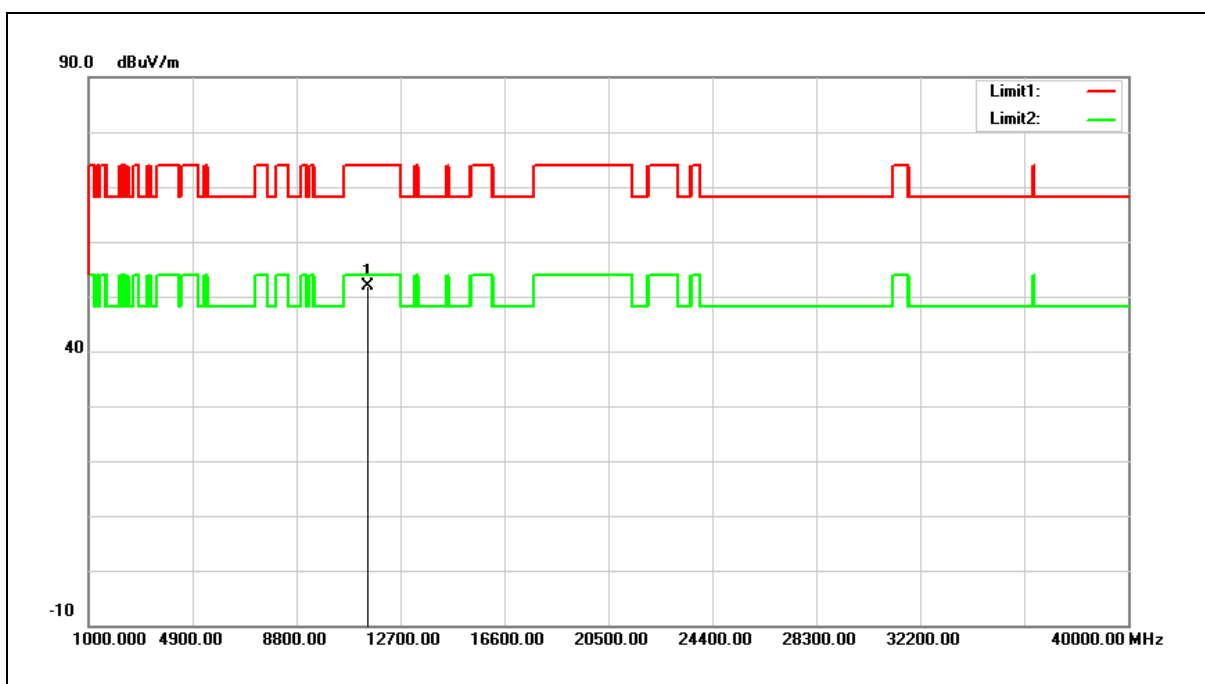
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	38.88	17.23	56.11	68.20	-12.09	peak

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

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

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

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



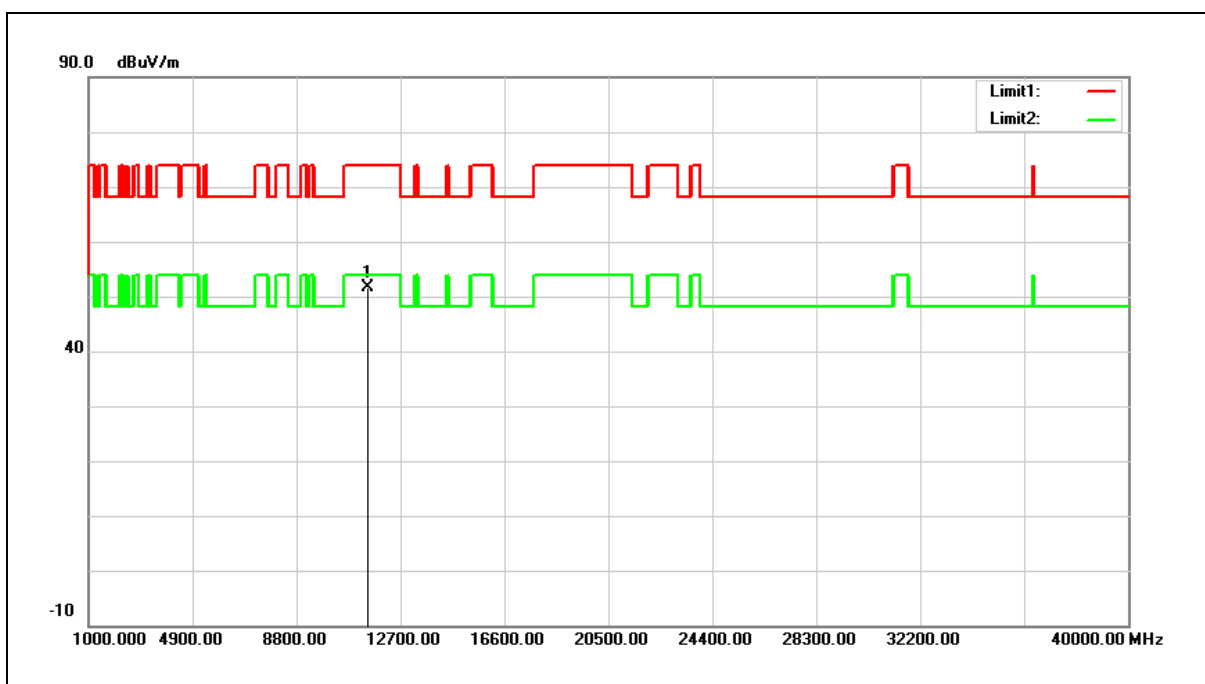
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.12	18.87	51.99	74.00	-22.01	peak

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

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

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

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



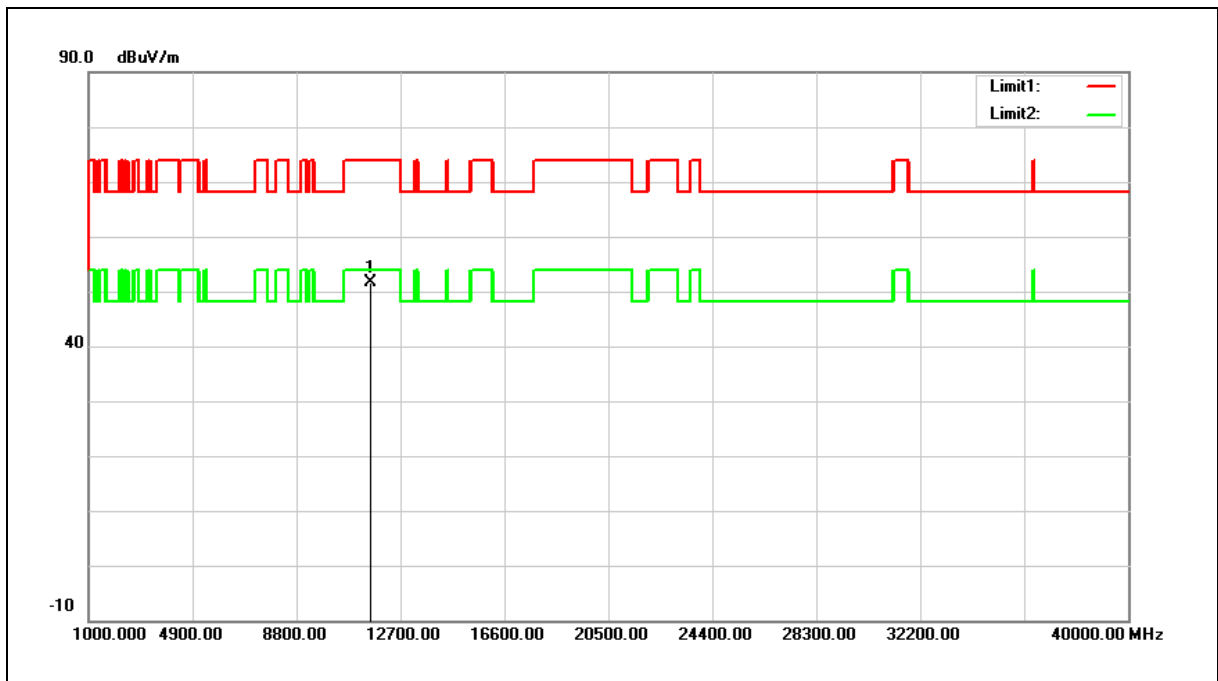
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.85	18.87	51.72	74.00	-22.28	peak

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

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

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

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



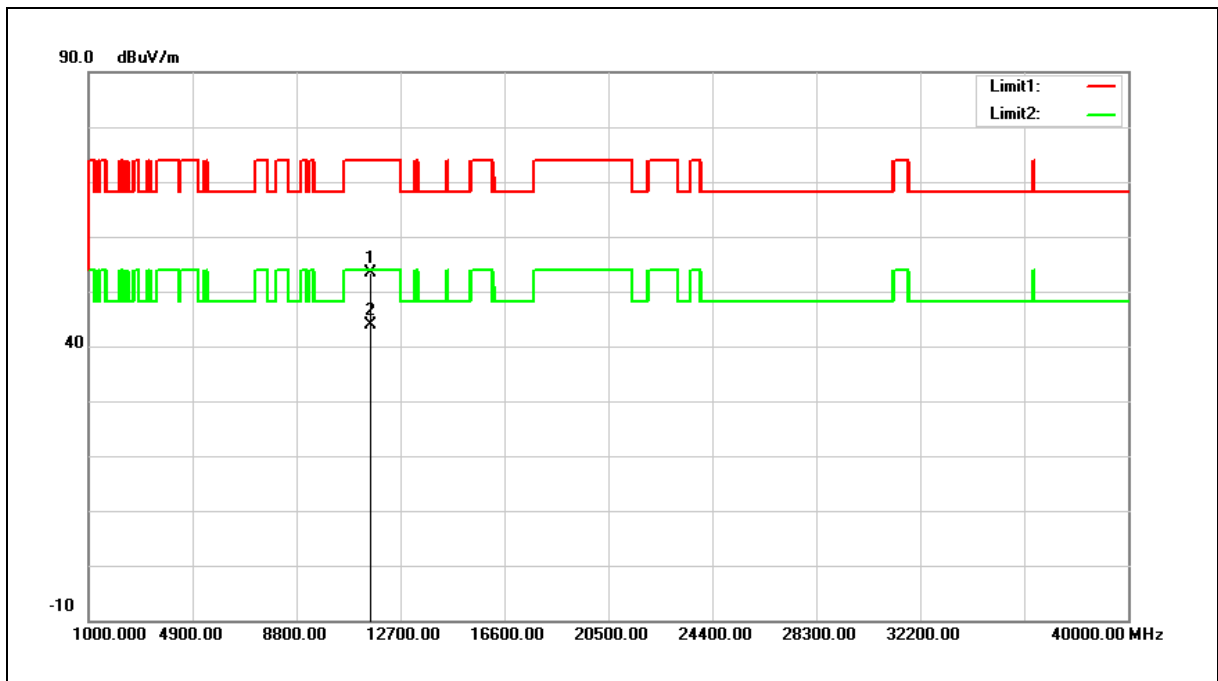
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.93	18.79	51.72	74.00	-22.28	peak

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

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

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

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



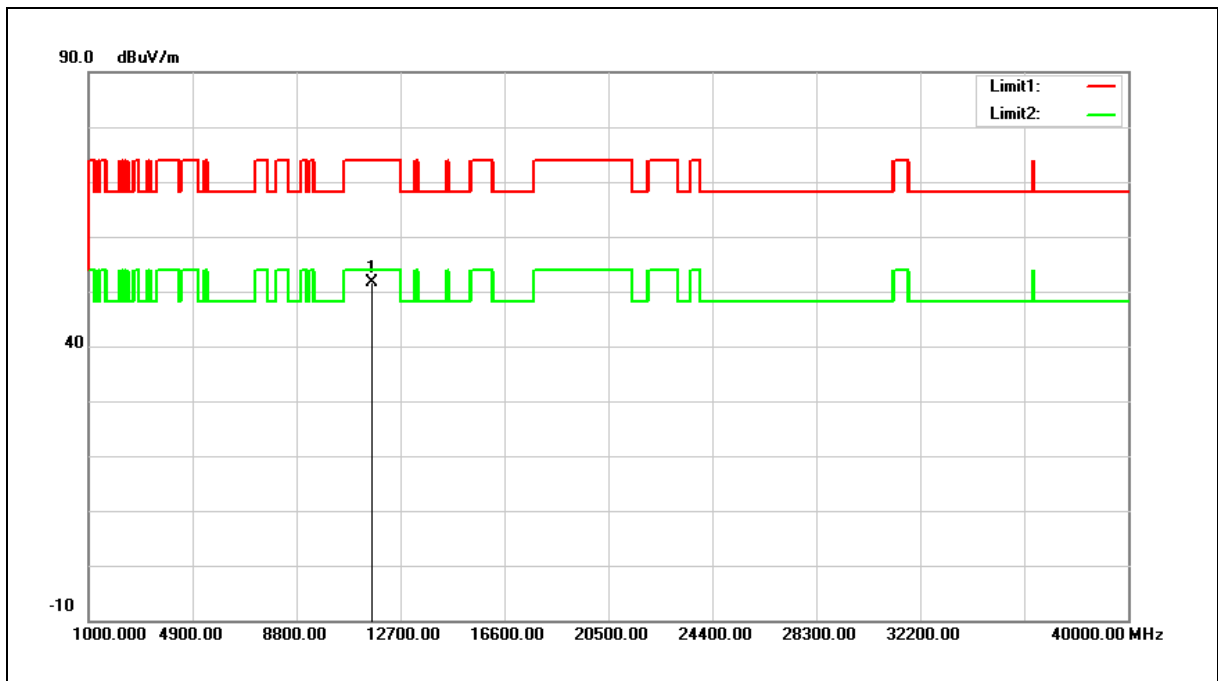
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	34.48	18.79	53.27	74.00	-20.73	peak
2	11570.000	25.02	18.79	43.81	54.00	-10.19	AVG

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

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

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

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



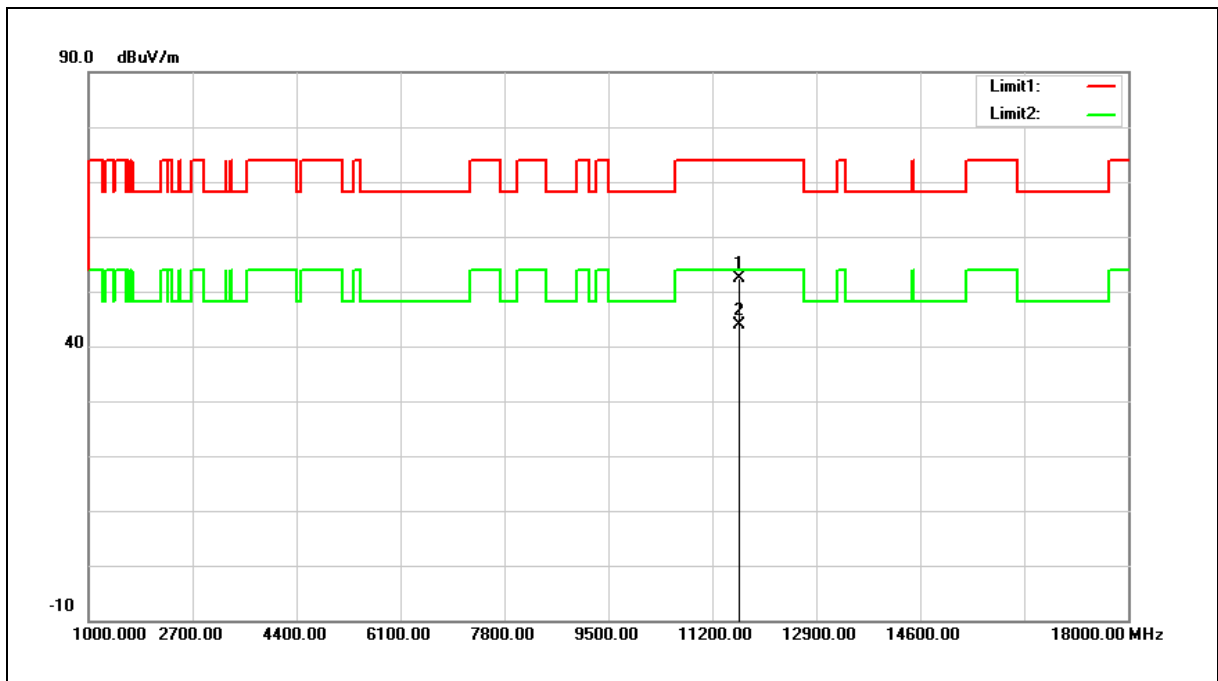
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.97	18.70	51.67	74.00	-22.33	peak

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

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

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

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



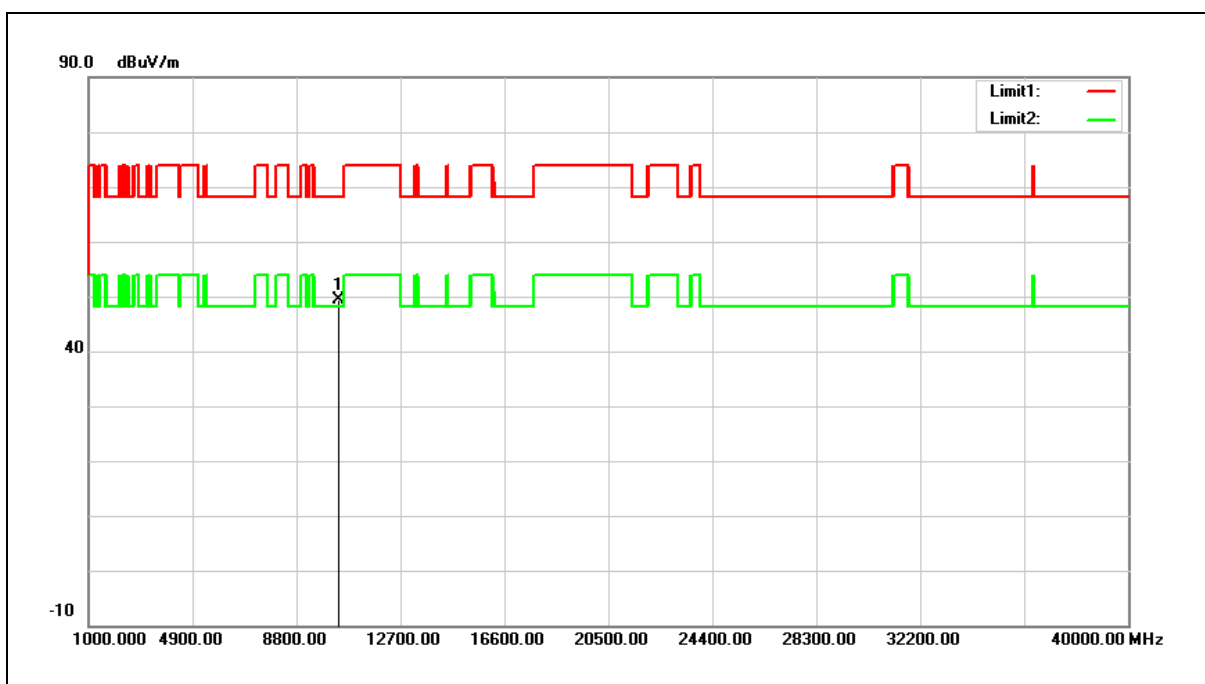
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	33.69	18.70	52.39	74.00	-21.61	peak
2	11650.000	25.12	18.70	43.82	54.00	-10.18	AVG

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

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

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

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



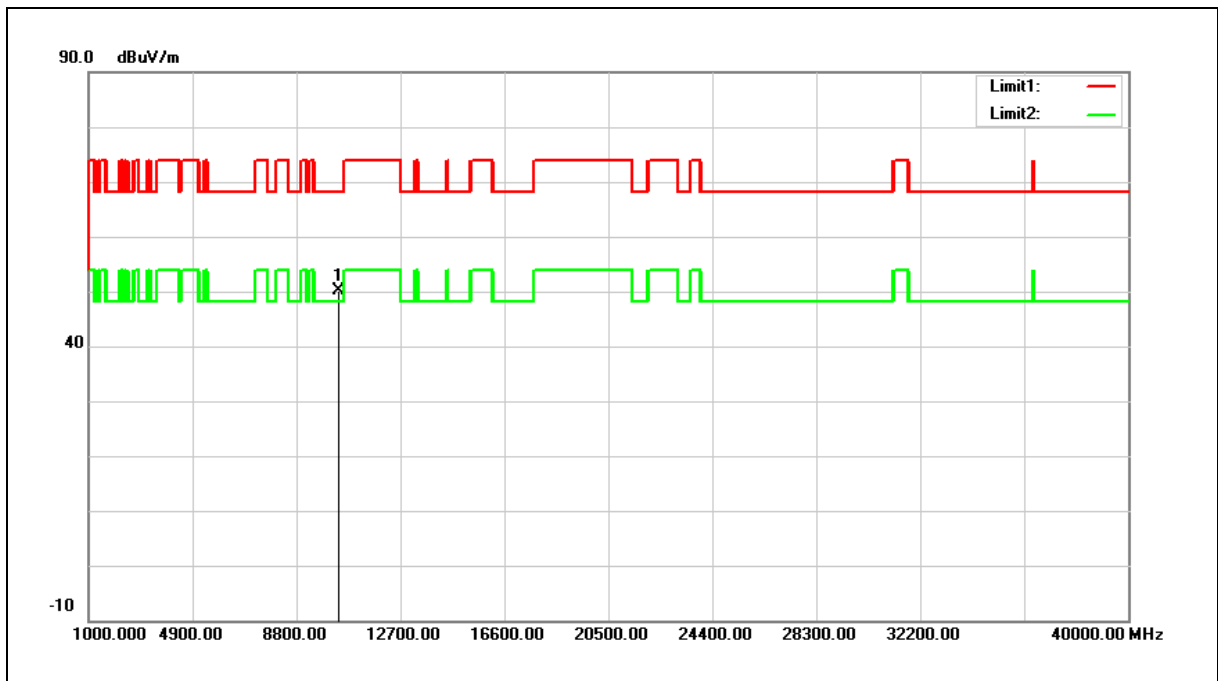
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.60	16.84	49.44	68.20	-18.76	peak

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

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

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

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



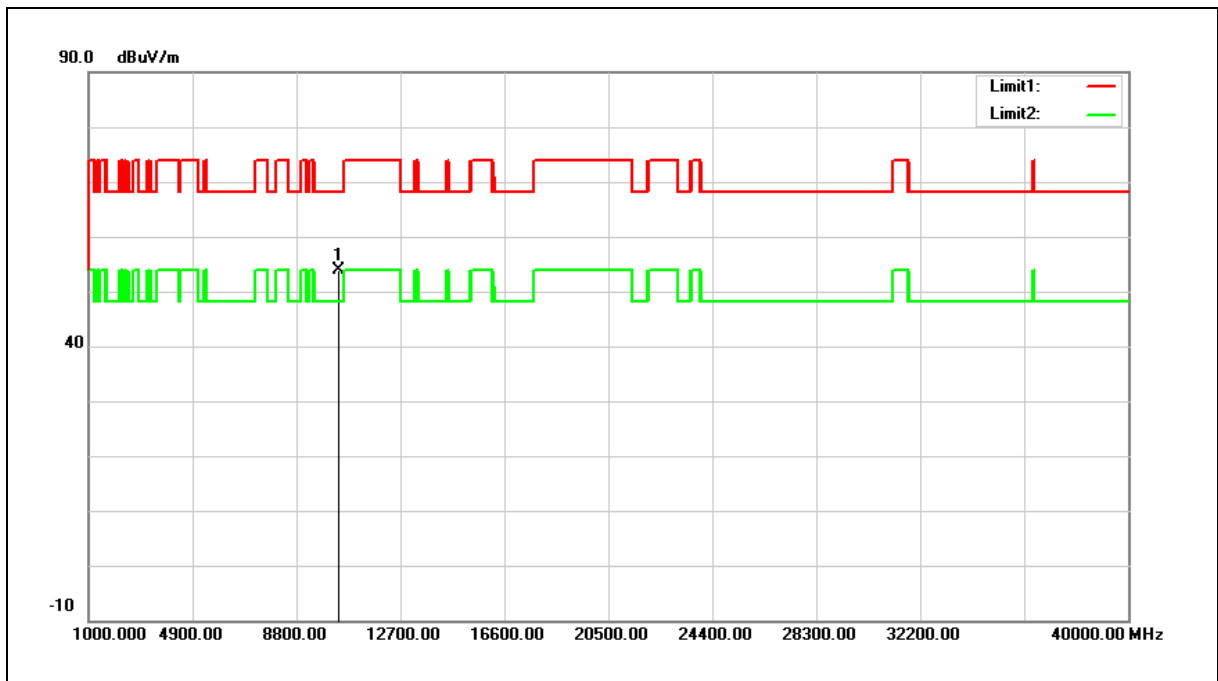
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.30	16.84	50.14	68.20	-18.06	peak

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

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

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

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



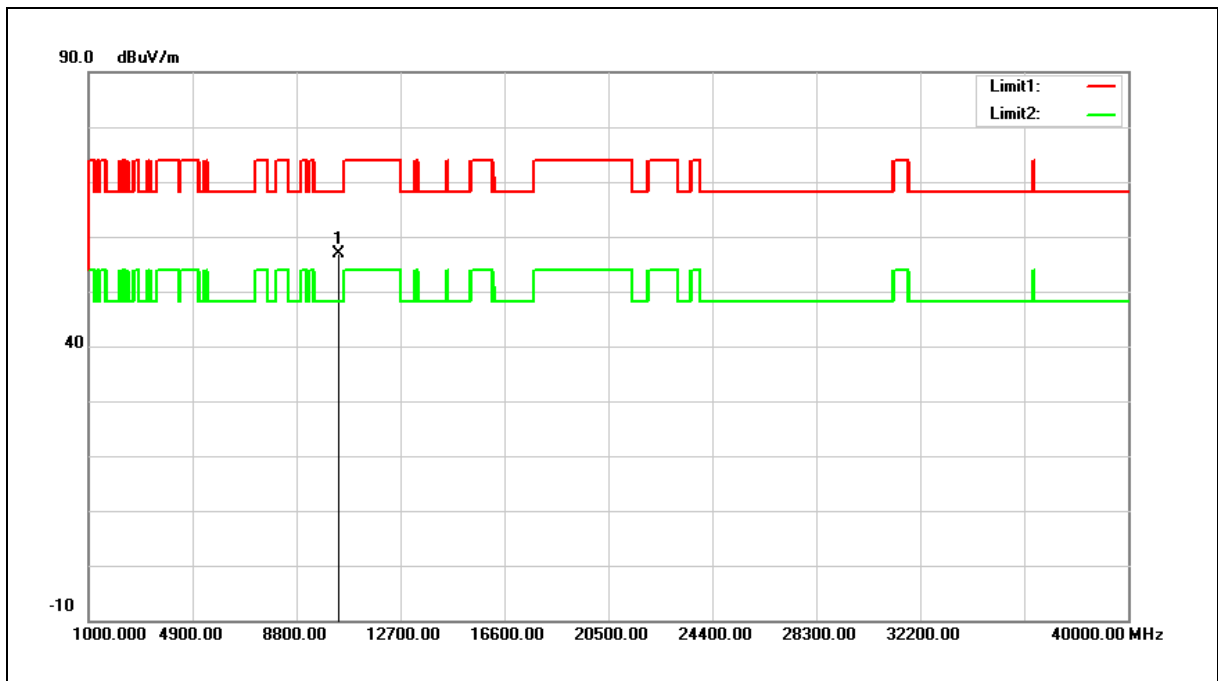
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.99	16.97	53.96	68.20	-14.24	peak

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

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

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

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



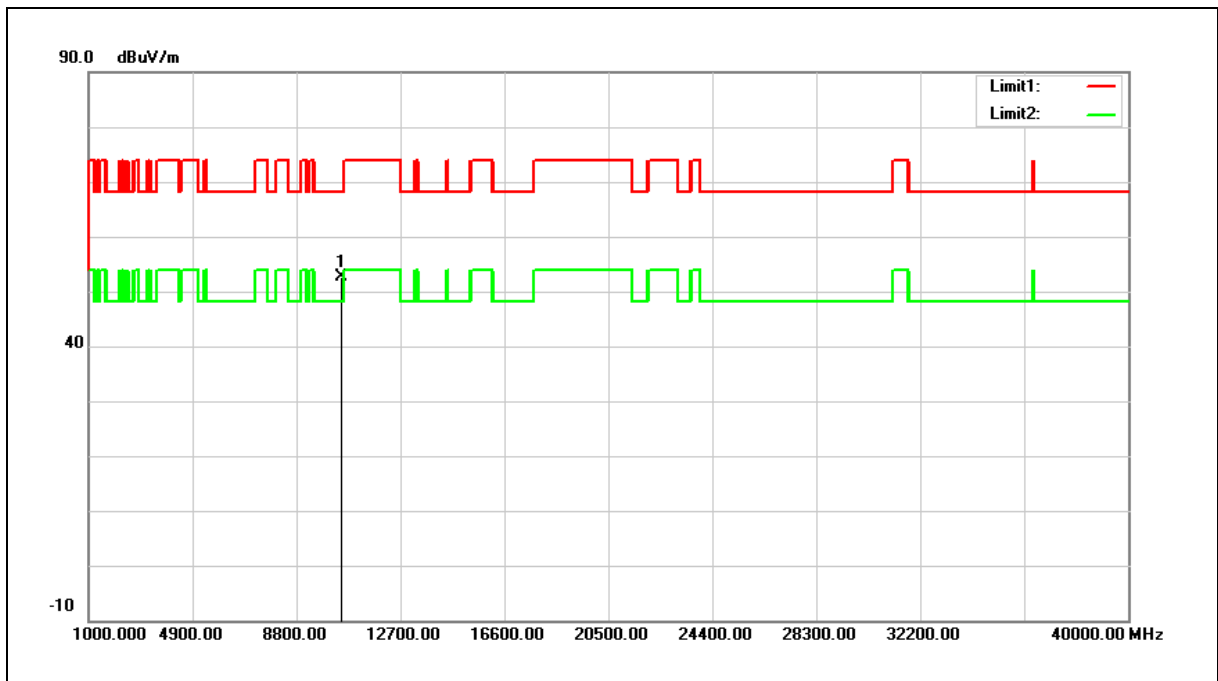
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	39.95	16.97	56.92	68.20	-11.28	peak

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



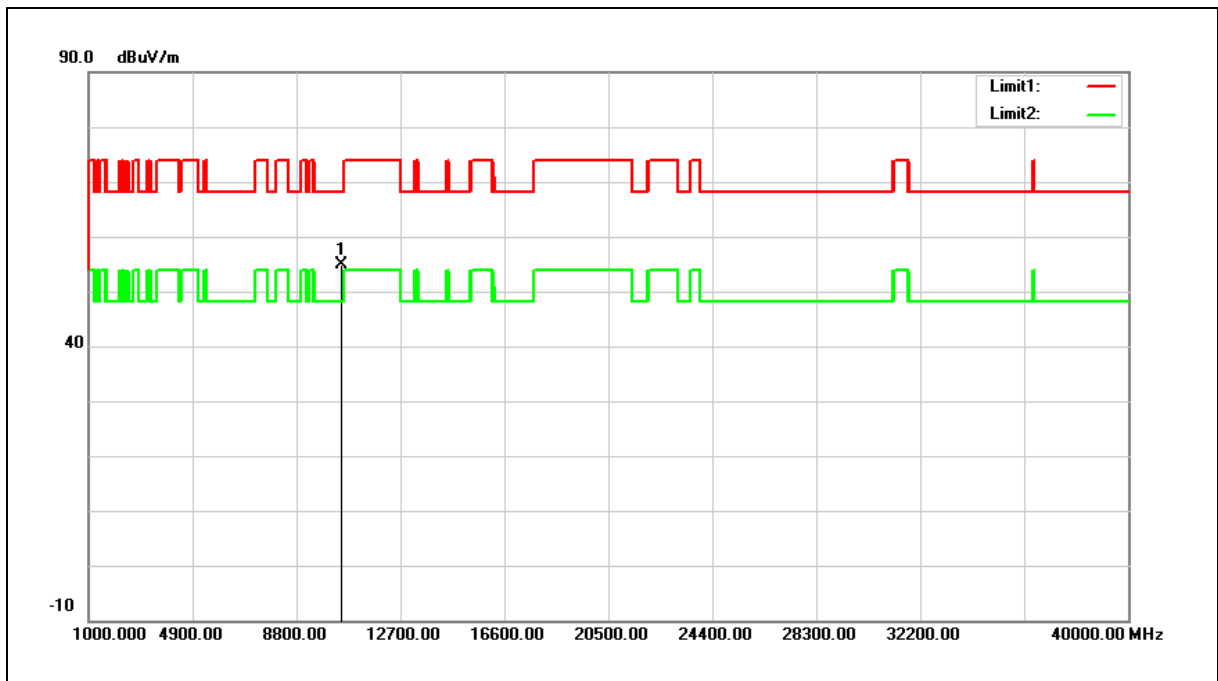
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.48	17.23	52.71	68.20	-15.49	peak

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

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

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

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



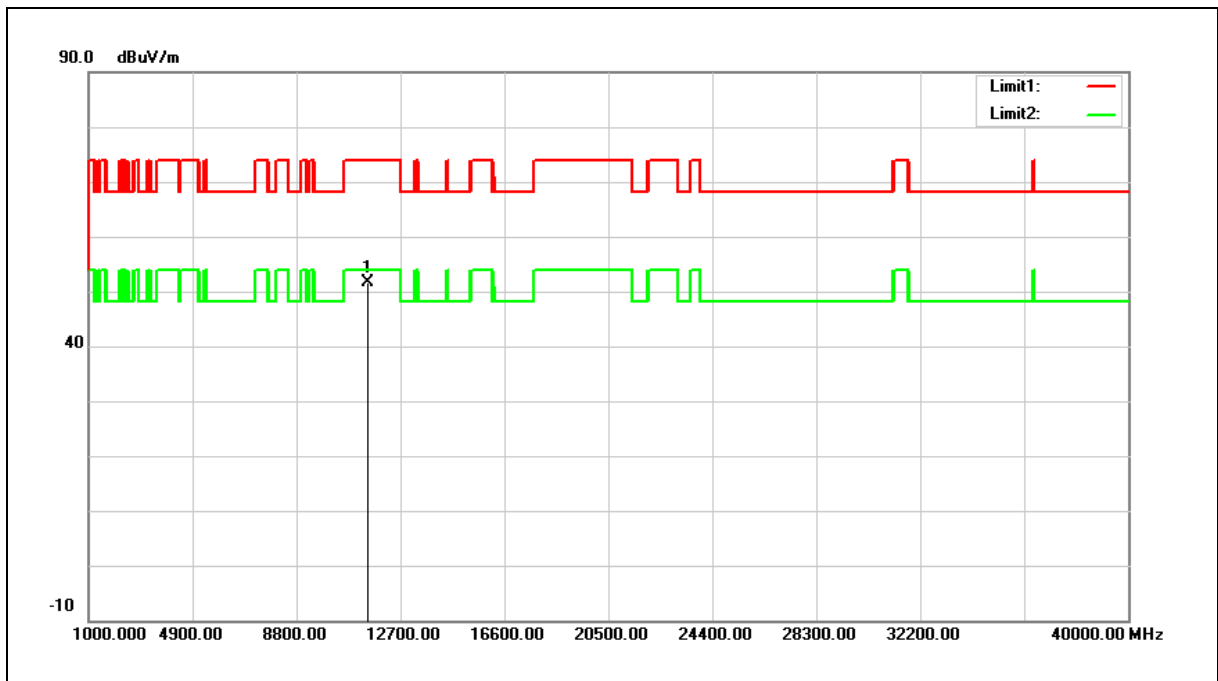
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	37.60	17.23	54.83	68.20	-13.37	peak

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

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

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

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



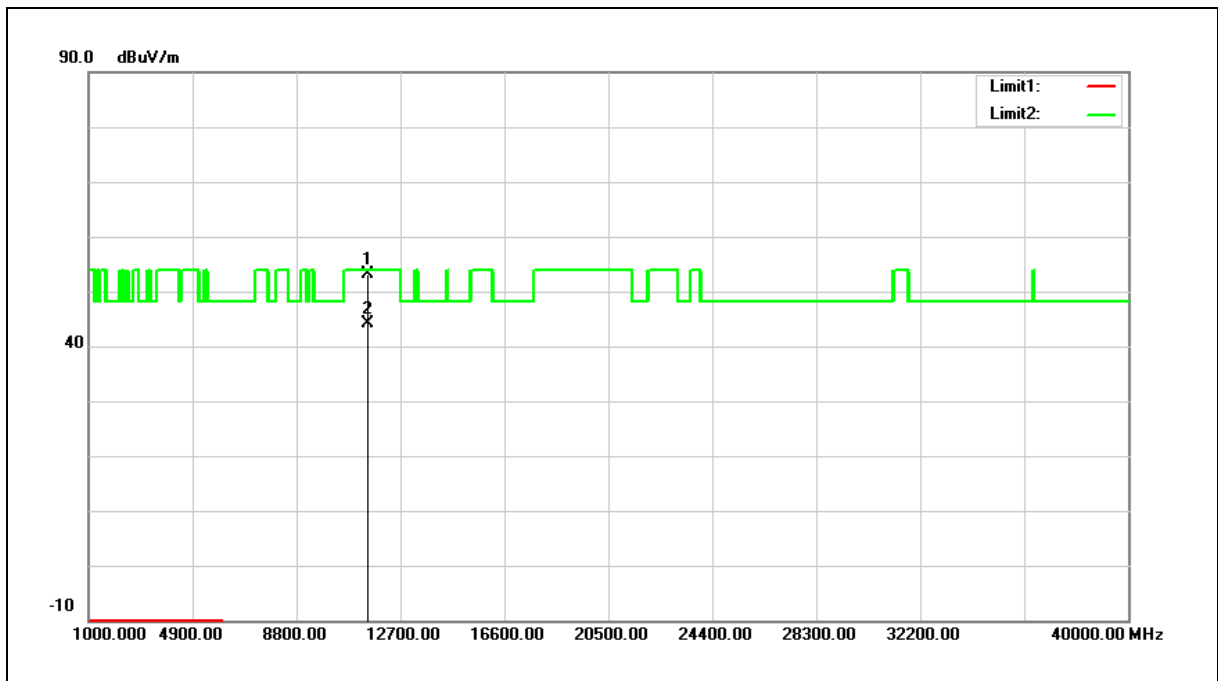
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.74	18.87	51.61	74.00	-22.39	peak

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

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

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

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



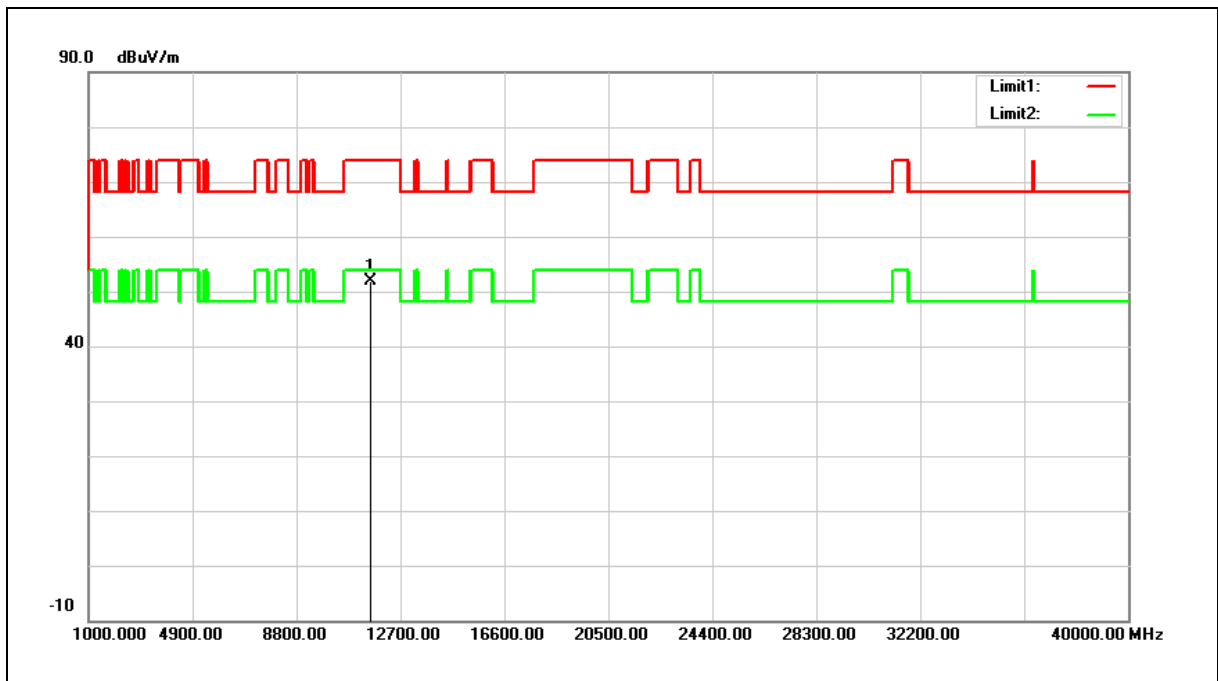
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	34.38	18.87	53.25	74.00	-20.75	peak
2	11490.000	25.15	18.87	44.02	54.00	-9.98	AVG

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

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

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

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



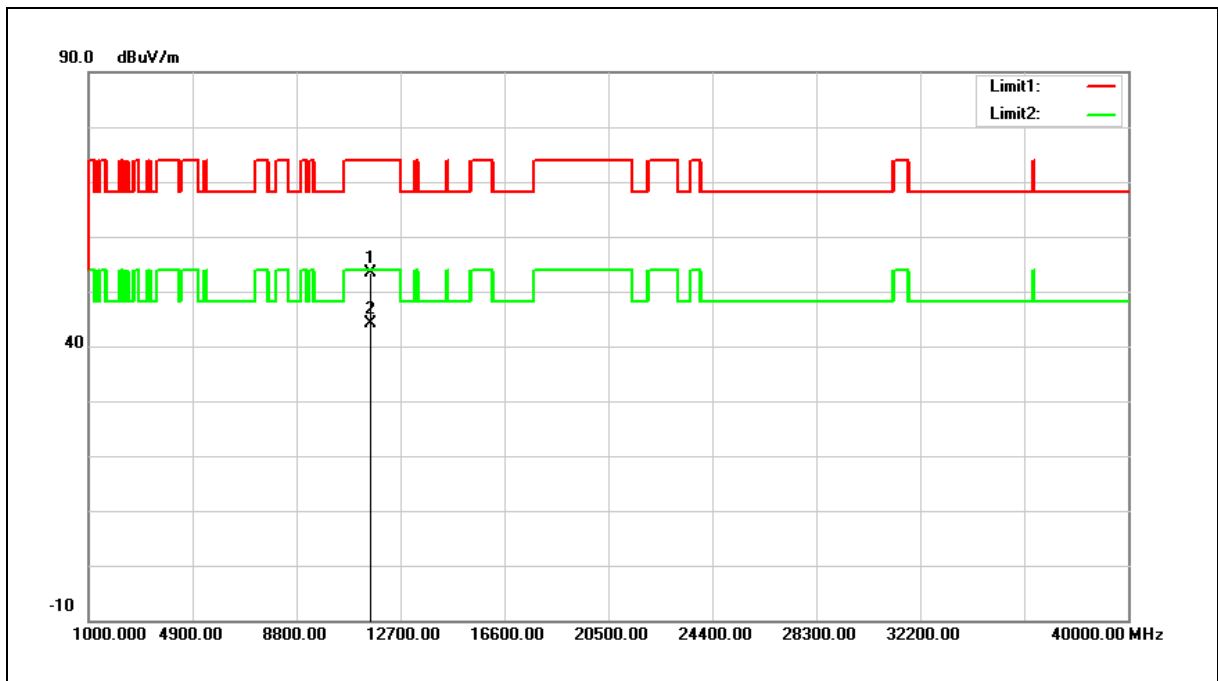
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	33.04	18.79	51.83	74.00	-22.17	peak

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

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

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

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



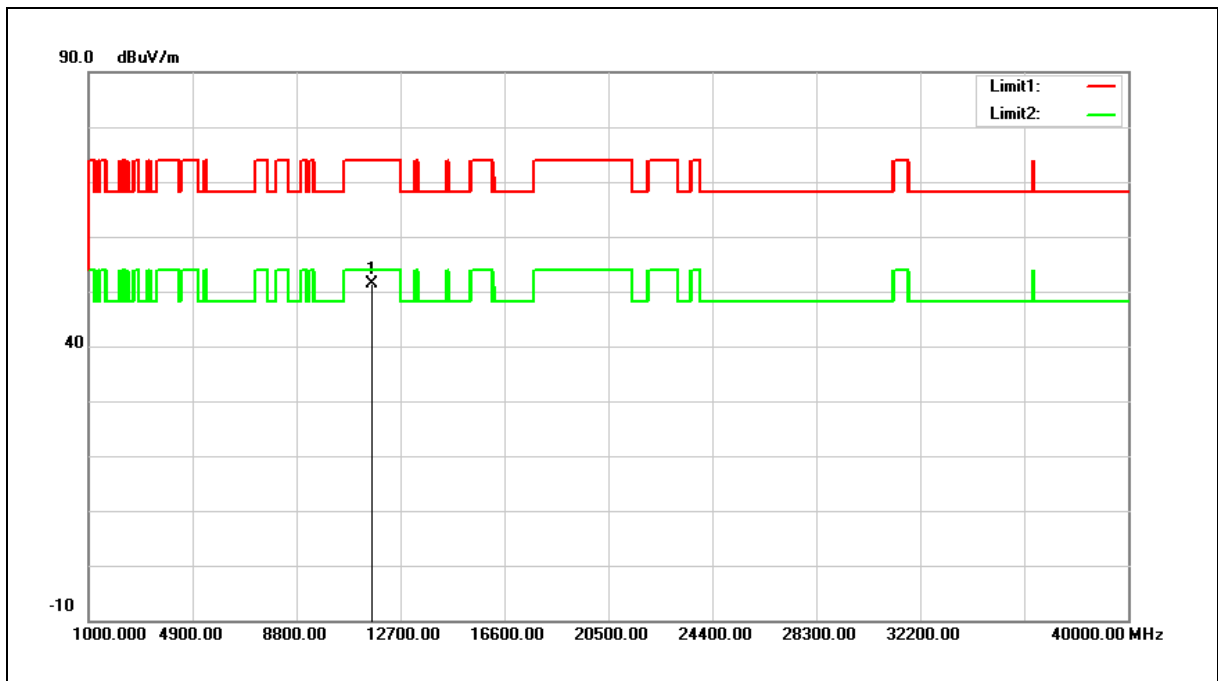
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	34.60	18.79	53.39	74.00	-20.61	peak
2	11570.000	25.43	18.79	44.22	54.00	-9.78	AVG

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

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

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

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



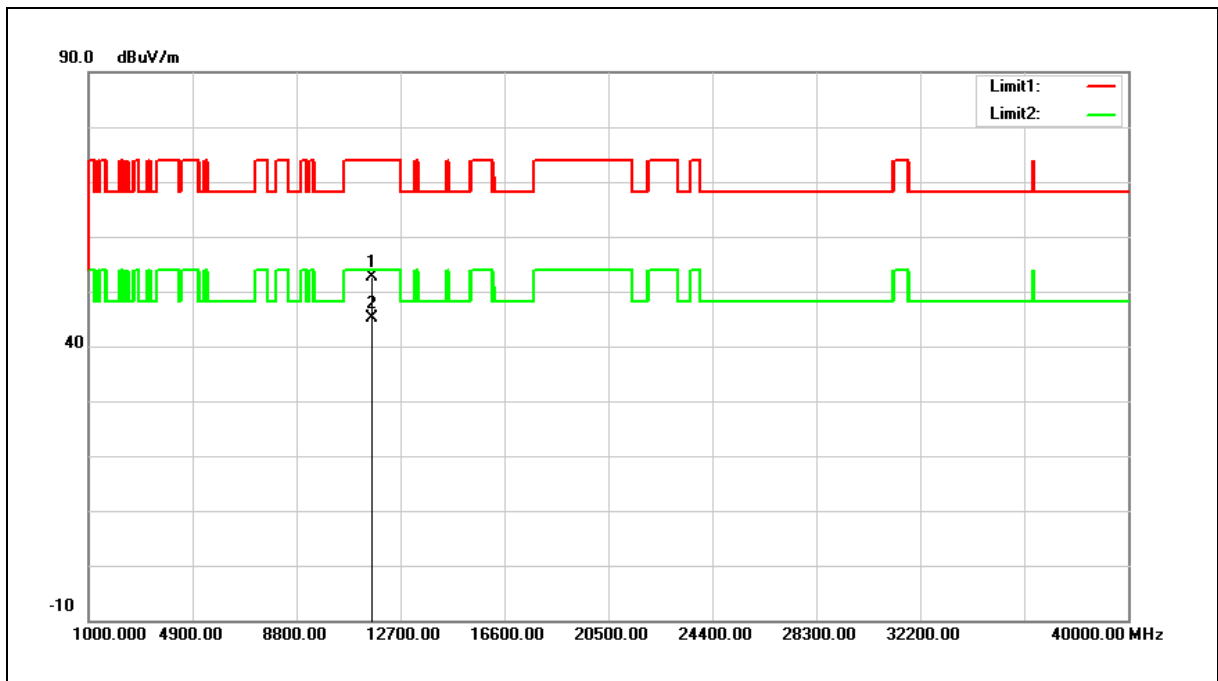
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.75	18.70	51.45	74.00	-22.55	peak

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

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

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

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



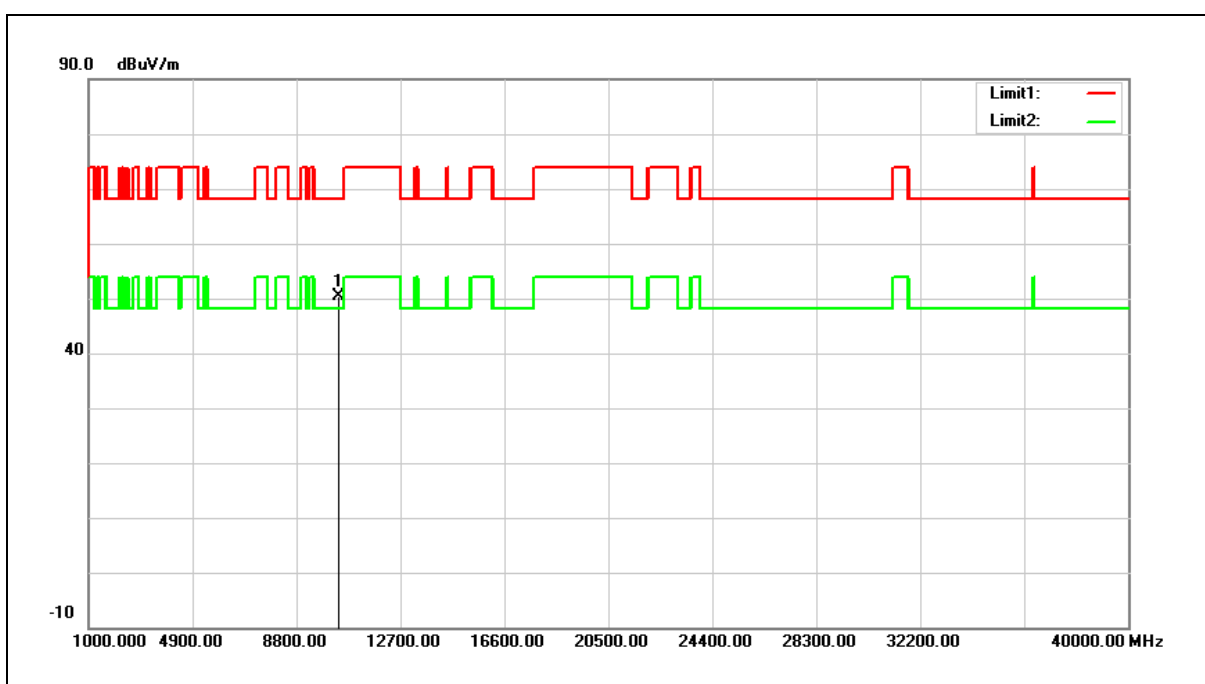
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	33.91	18.70	52.61	74.00	-21.39	peak
2	11650.000	26.48	18.70	45.18	54.00	-8.82	AVG

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	33.52	16.90	50.42	68.20	-17.78	peak

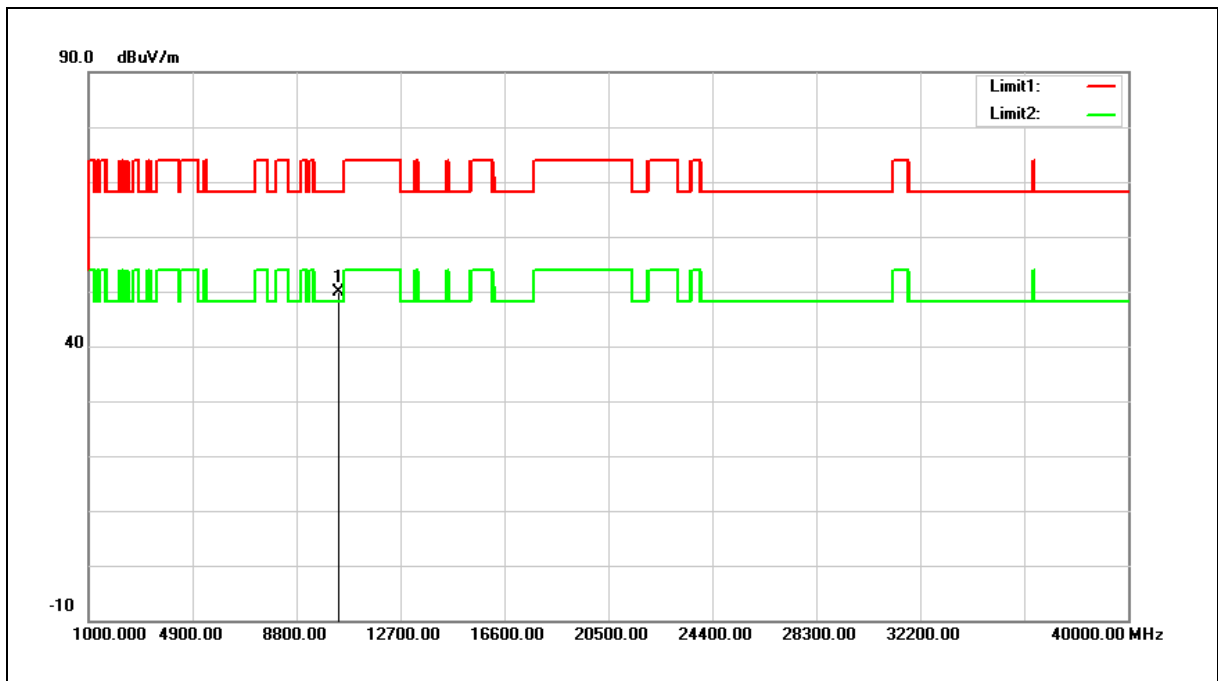
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



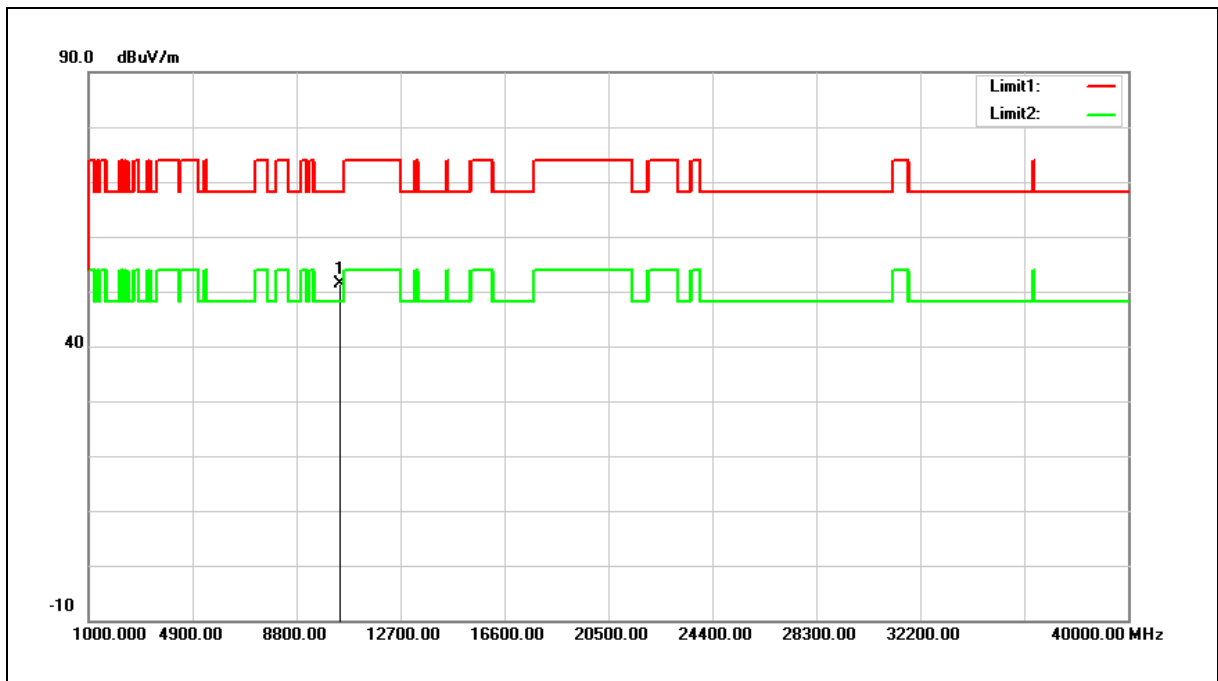
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	33.01	16.90	49.91	68.20	-18.29	peak

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

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

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

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



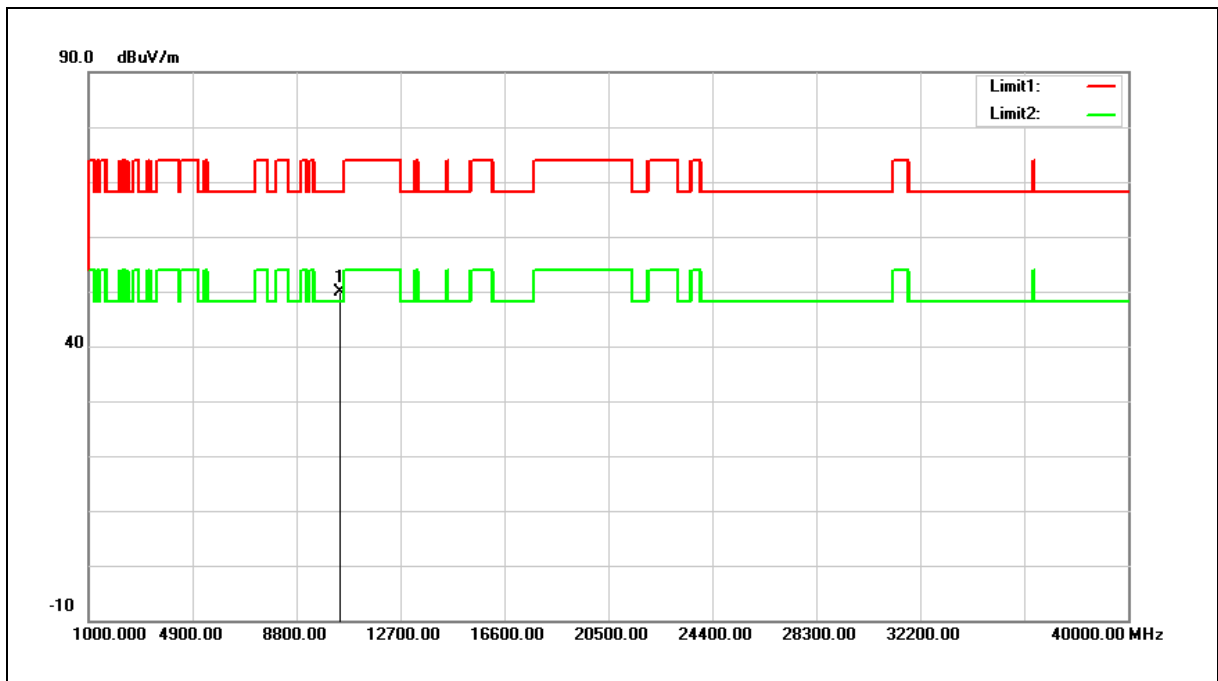
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	34.19	17.16	51.35	68.20	-16.85	peak

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

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

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

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



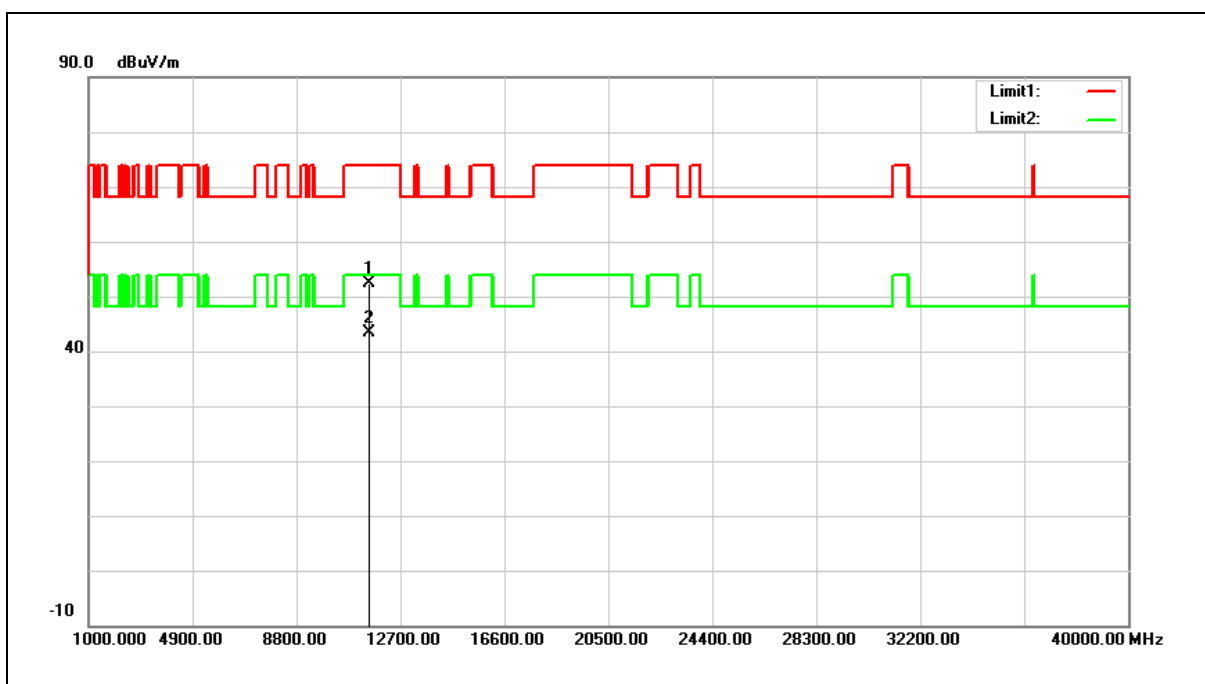
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.62	17.16	49.78	68.20	-18.42	peak

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

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

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

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



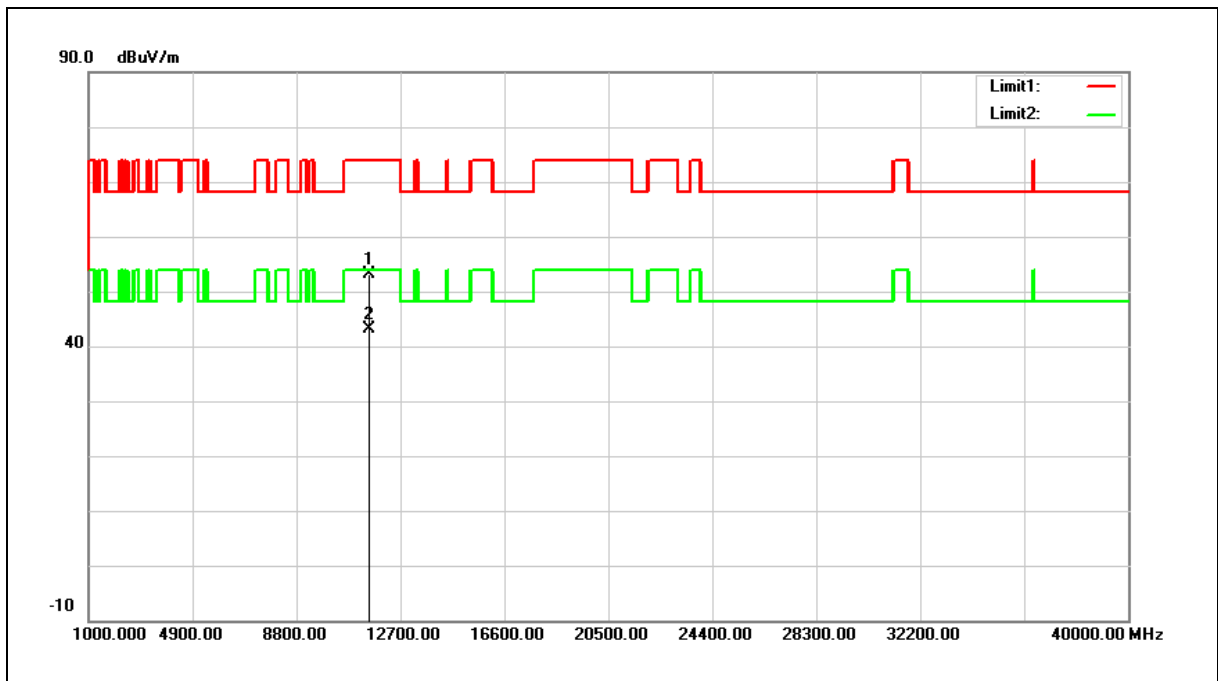
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	33.45	18.87	52.32	74.00	-21.68	peak
2	11510.000	24.39	18.87	43.26	54.00	-10.74	AVG

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

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

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

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



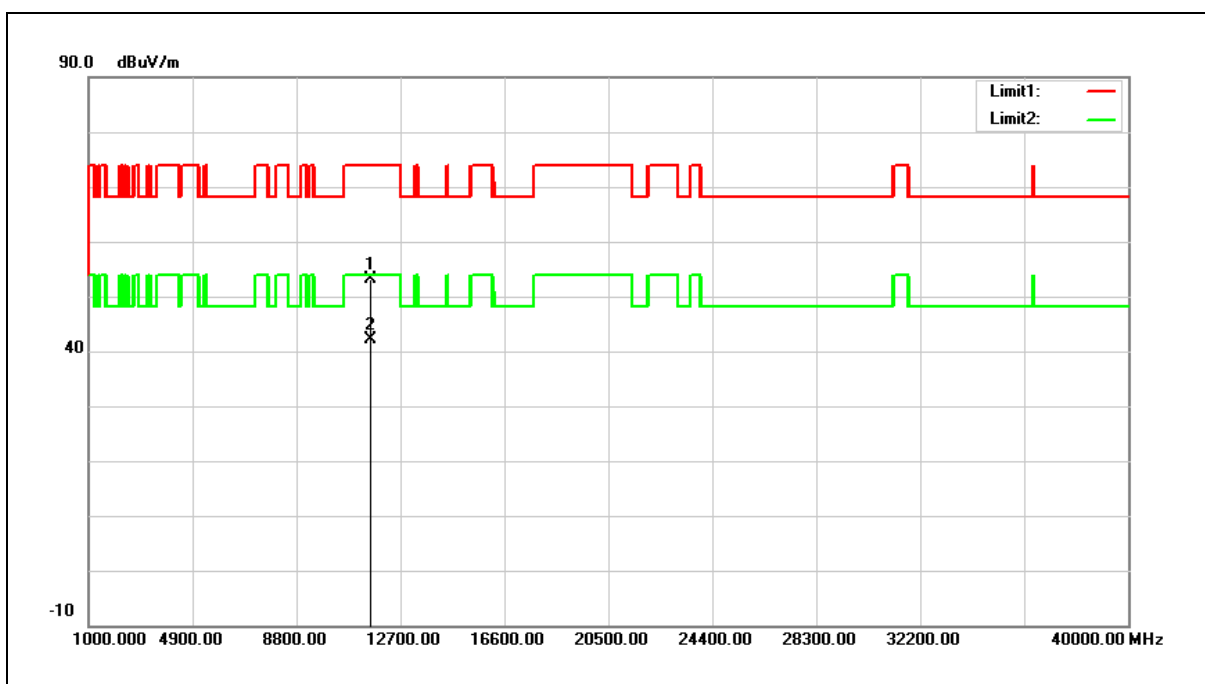
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	34.36	18.87	53.23	74.00	-20.77	peak
2	11510.000	24.28	18.87	43.15	54.00	-10.85	AVG

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

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

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

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



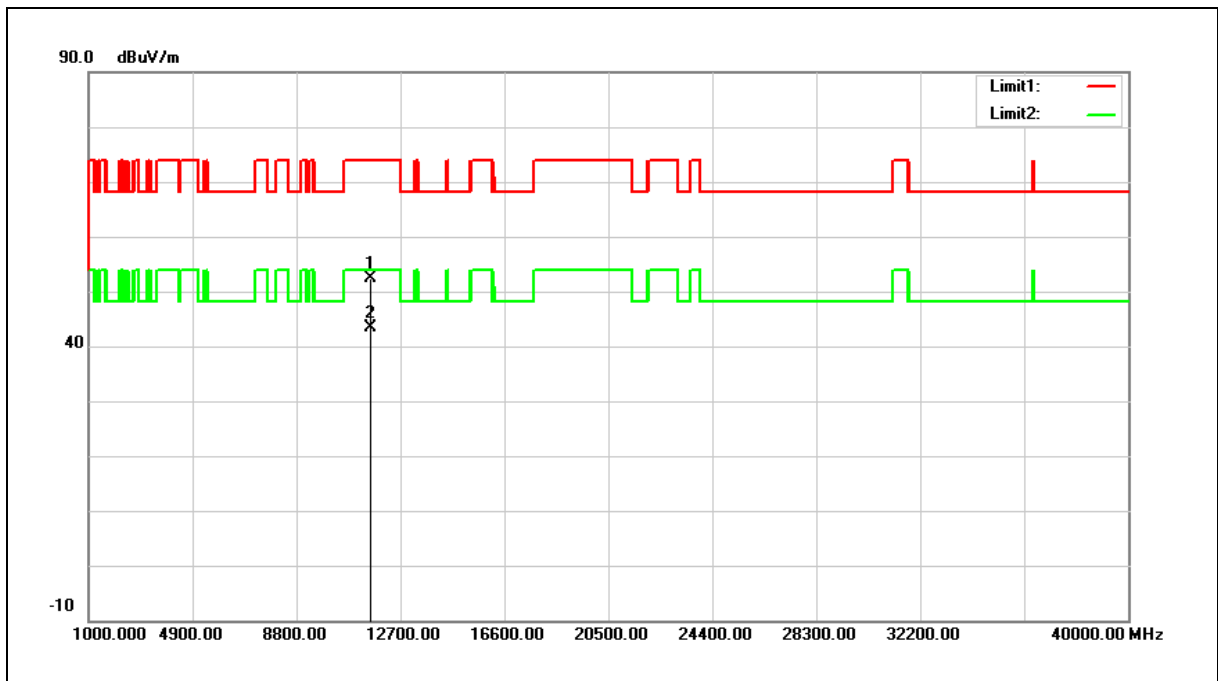
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	34.32	18.77	53.09	74.00	-20.91	peak
2	11590.000	23.33	18.77	42.10	54.00	-11.90	AVG

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

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

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

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



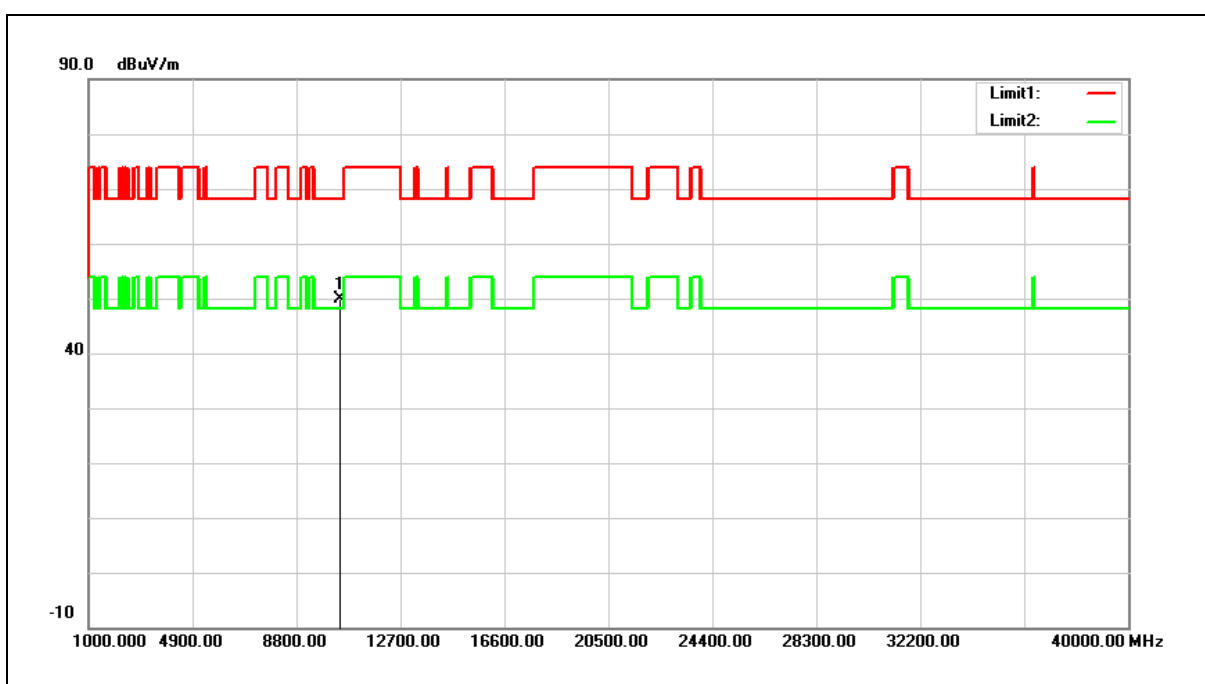
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	33.61	18.77	52.38	74.00	-21.62	peak
2	11590.000	24.62	18.77	43.39	54.00	-10.61	AVG

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

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

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

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



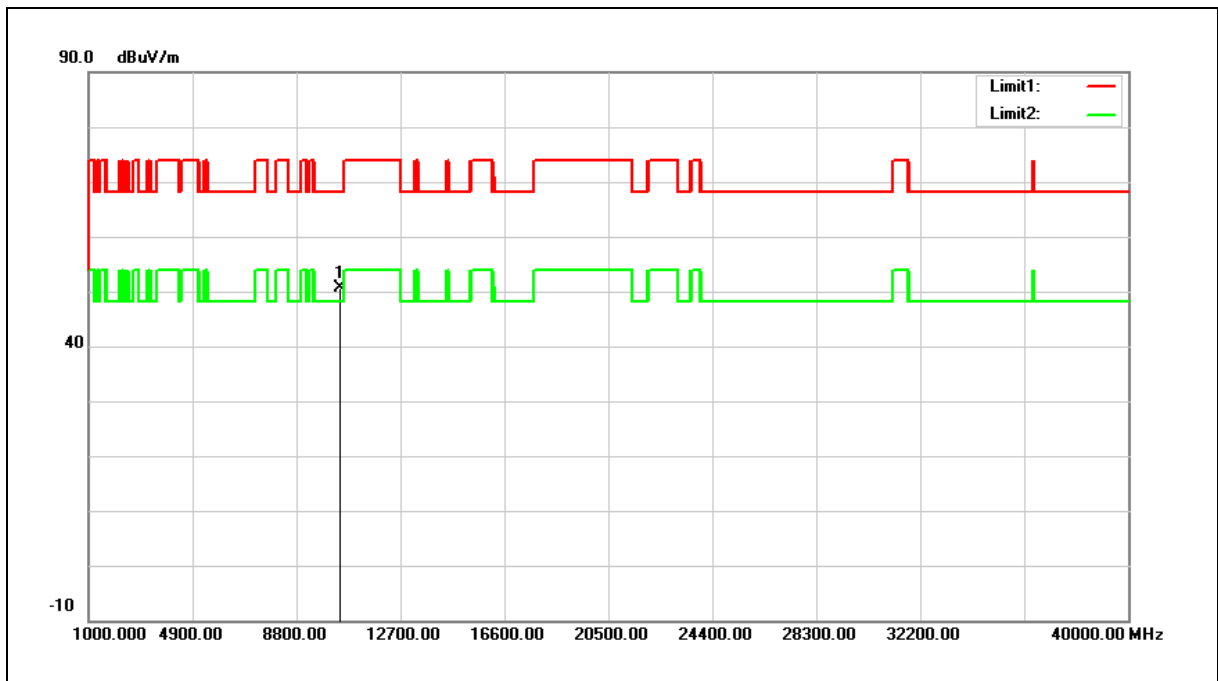
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	32.97	17.03	50.00	68.20	-18.20	peak

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

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

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

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



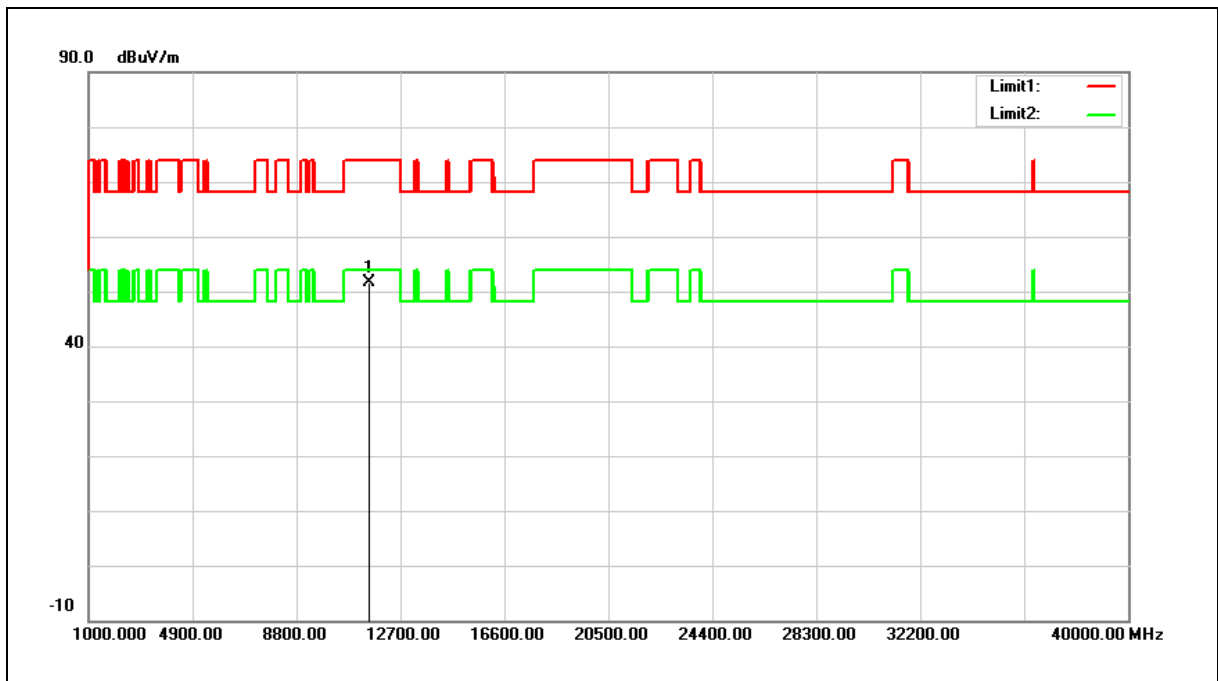
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	33.56	17.03	50.59	68.20	-17.61	peak

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

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

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

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



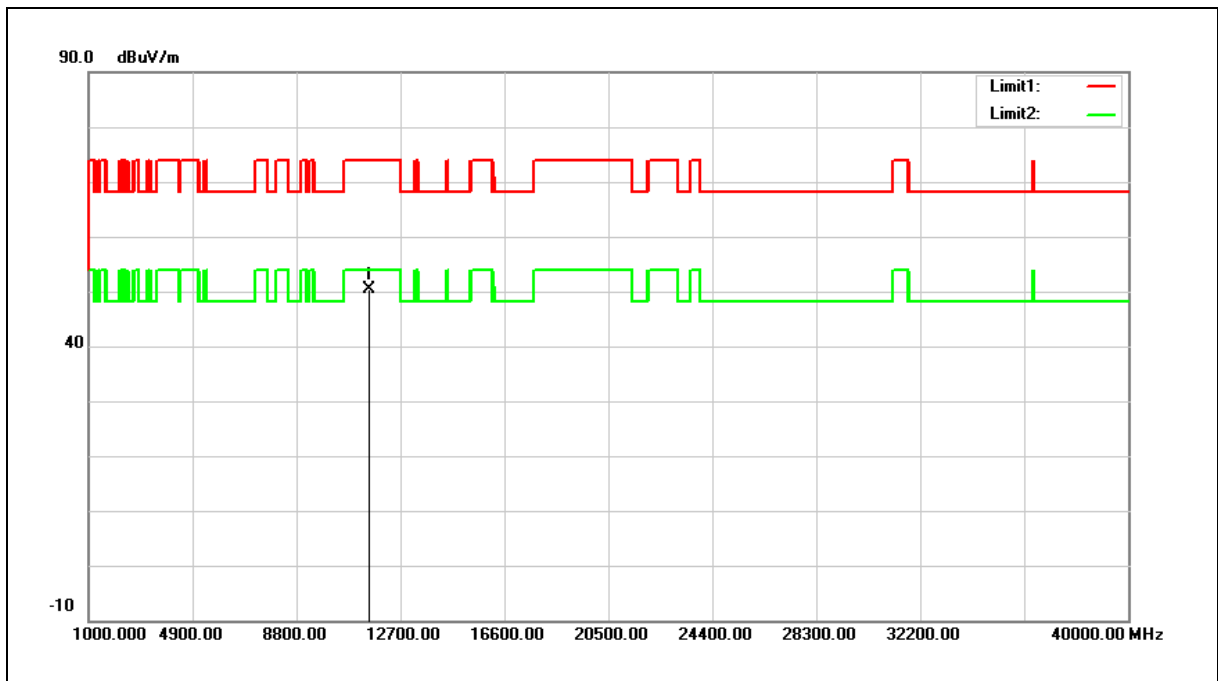
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	32.82	18.82	51.64	74.00	-22.36	peak

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



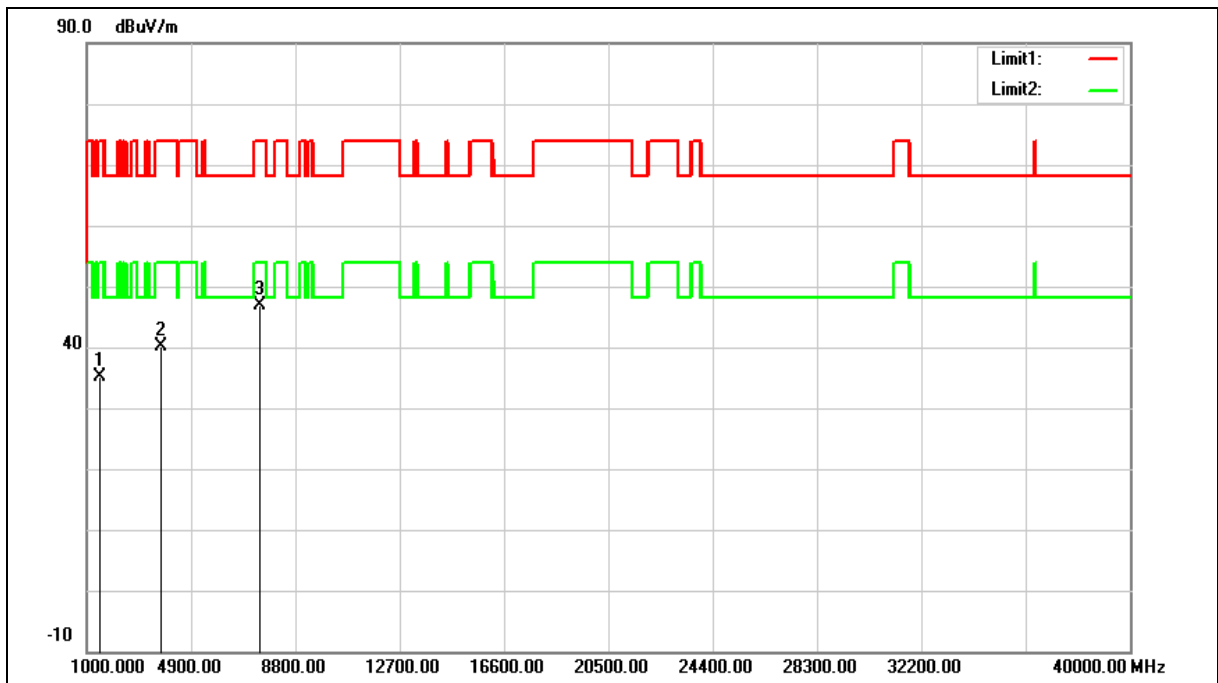
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.56	18.82	50.38	74.00	-23.62	peak

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

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

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

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



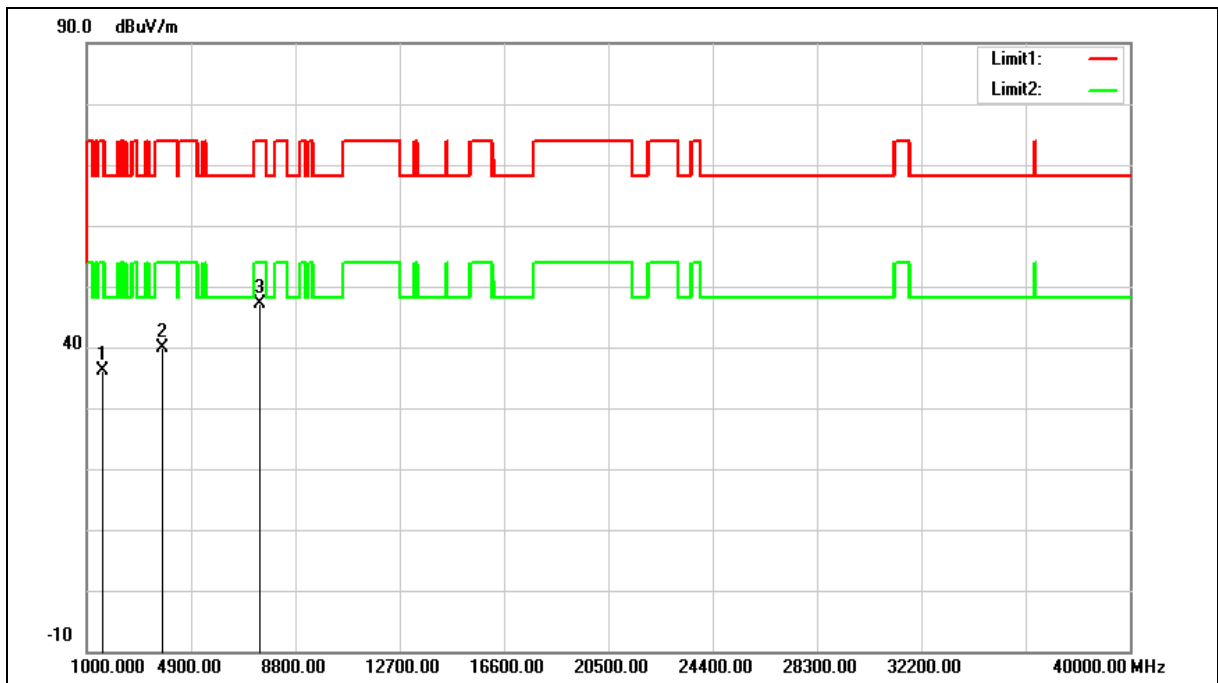
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1493.000	40.04	-4.97	35.07	74.00	-38.93	peak
2	3737.000	37.94	2.09	40.03	74.00	-33.97	peak
3	7477.000	34.12	12.74	46.86	74.00	-27.14	peak

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	Power:	AC 120 V/60 Hz
Test Mode:	Simultaneous Transmitting (DTS+NII)	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1561.000	40.79	-4.69	36.10	74.00	-37.90	peak
2	3805.000	37.54	2.32	39.86	74.00	-34.14	peak
3	7494.000	34.41	12.81	47.22	74.00	-26.78	peak

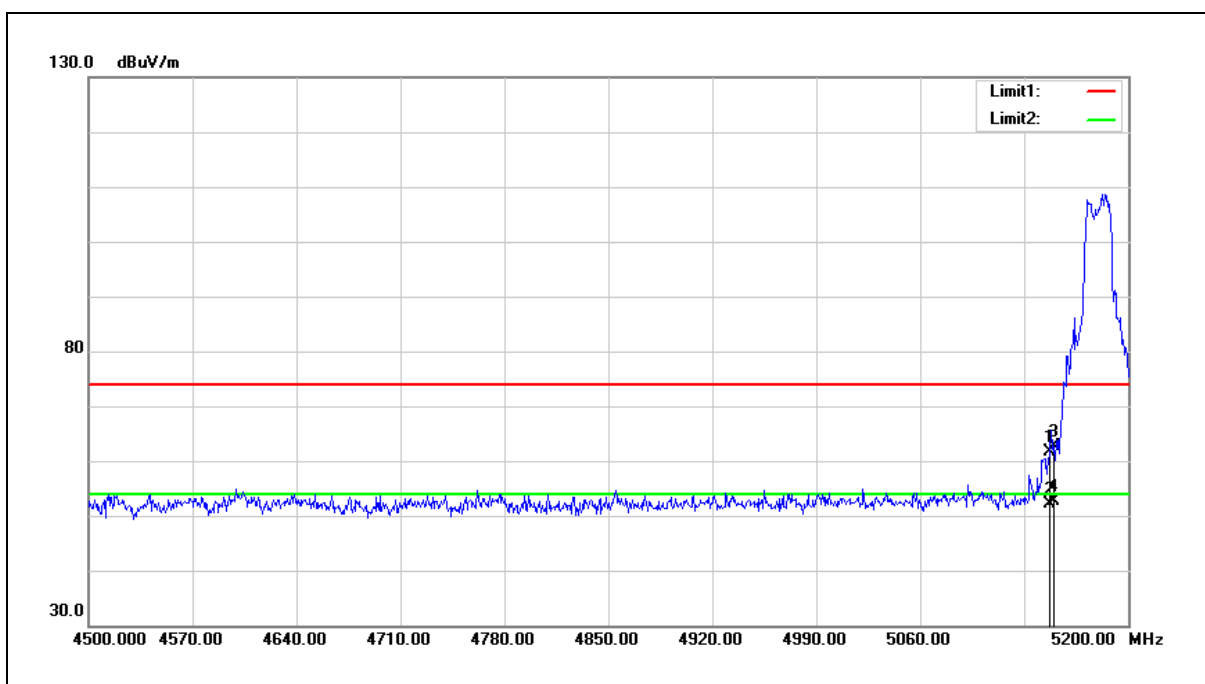
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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

Band Edge

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



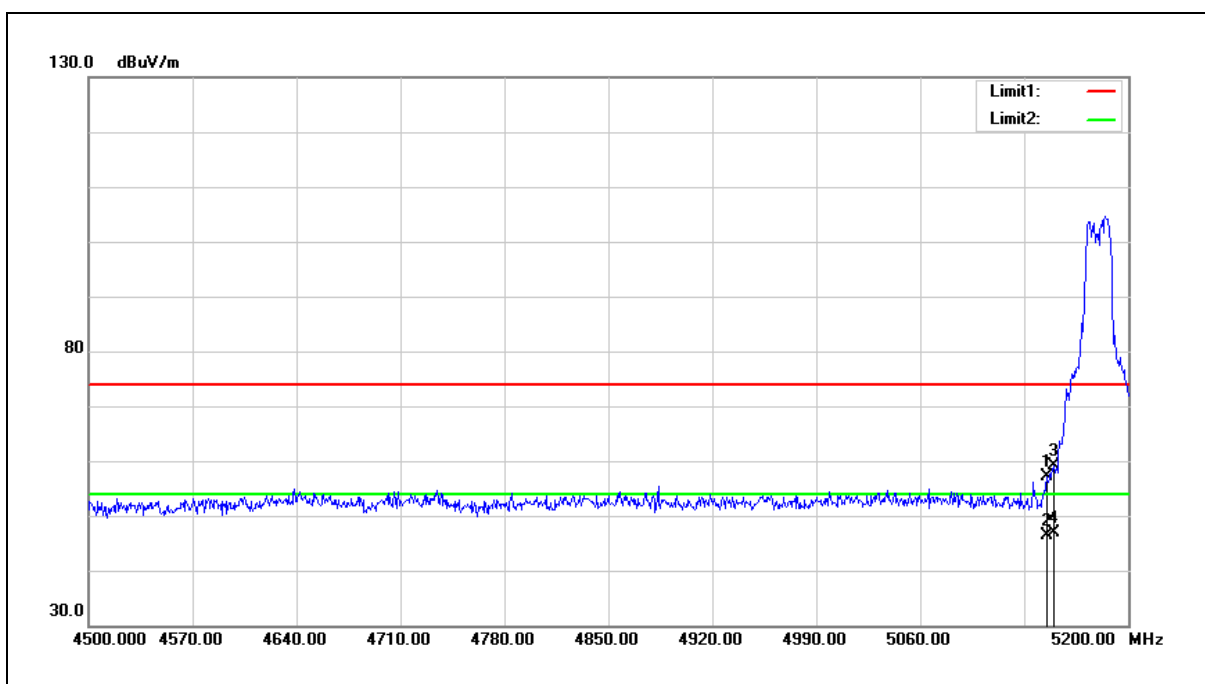
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.500	55.55	6.13	61.68	74.00	-12.32	peak
2	5147.500	46.00	6.13	52.13	54.00	-1.87	AVG
3	5150.000	56.54	6.14	62.68	74.00	-11.32	peak
4	5150.000	46.51	6.14	52.65	54.00	-1.35	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.400	50.96	6.13	57.09	74.00	-16.91	peak
2	5145.400	40.21	6.13	46.34	54.00	-7.66	AVG
3	5150.000	52.90	6.14	59.04	74.00	-14.96	peak
4	5150.000	40.67	6.14	46.81	54.00	-7.19	AVG

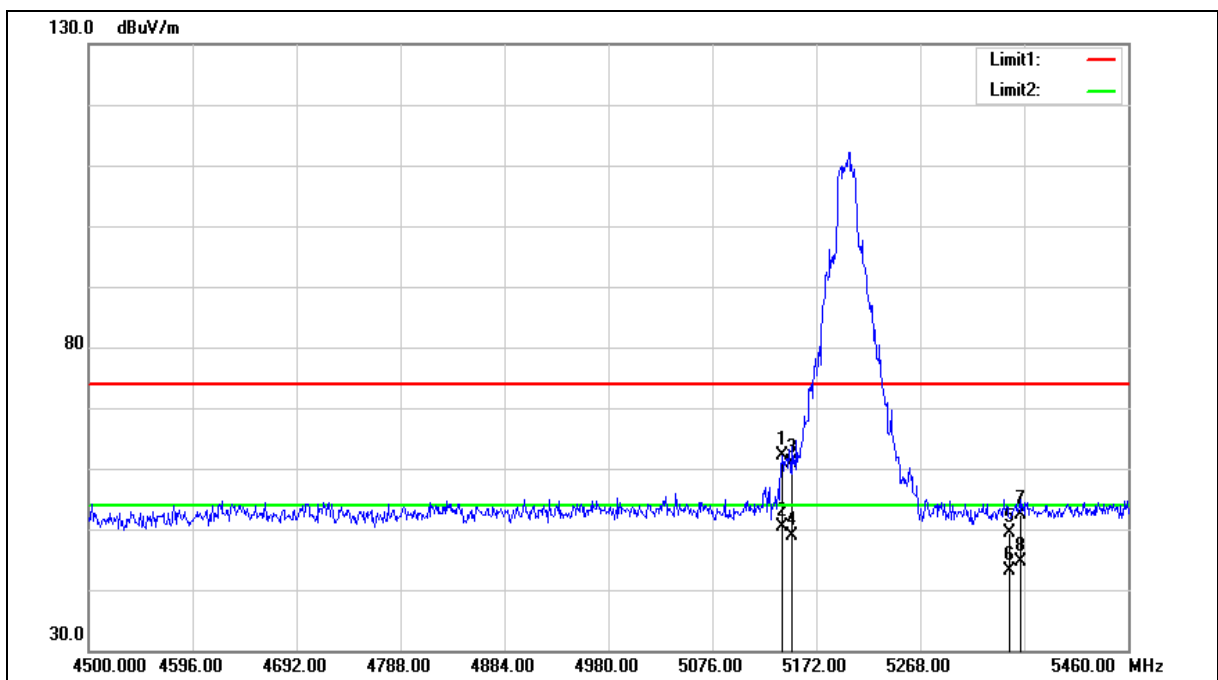
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5140.320	55.89	6.13	62.02	74.00	-11.98	peak
2	5140.320	44.23	6.13	50.36	54.00	-3.64	AVG
3	5150.000	54.63	6.14	60.77	74.00	-13.23	peak
4	5150.000	42.72	6.14	48.86	54.00	-5.14	AVG
5	5350.000	43.01	6.46	49.47	74.00	-24.53	peak
6	5350.000	36.63	6.46	43.09	54.00	-10.91	AVG
7	5361.120	45.79	6.48	52.27	74.00	-21.73	peak
8	5361.120	38.11	6.48	44.59	54.00	-9.41	AVG

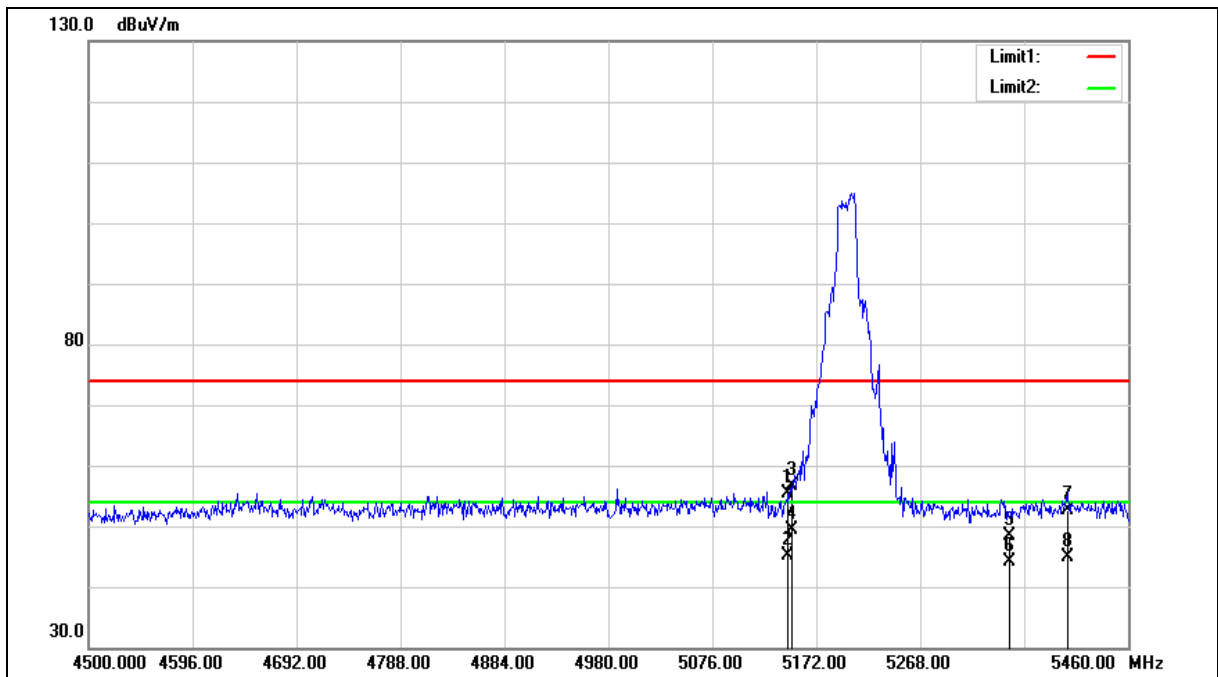
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.080	49.24	6.13	55.37	74.00	-18.63	peak
2	5146.080	38.97	6.13	45.10	54.00	-8.90	AVG
3	5150.000	50.55	6.14	56.69	74.00	-17.31	peak
4	5150.000	43.16	6.14	49.30	54.00	-4.70	AVG
5	5350.000	41.99	6.46	48.45	74.00	-25.55	peak
6	5350.000	37.61	6.46	44.07	54.00	-9.93	AVG
7	5404.320	46.05	6.55	52.60	74.00	-21.40	peak
8	5404.320	38.44	6.55	44.99	54.00	-9.01	AVG

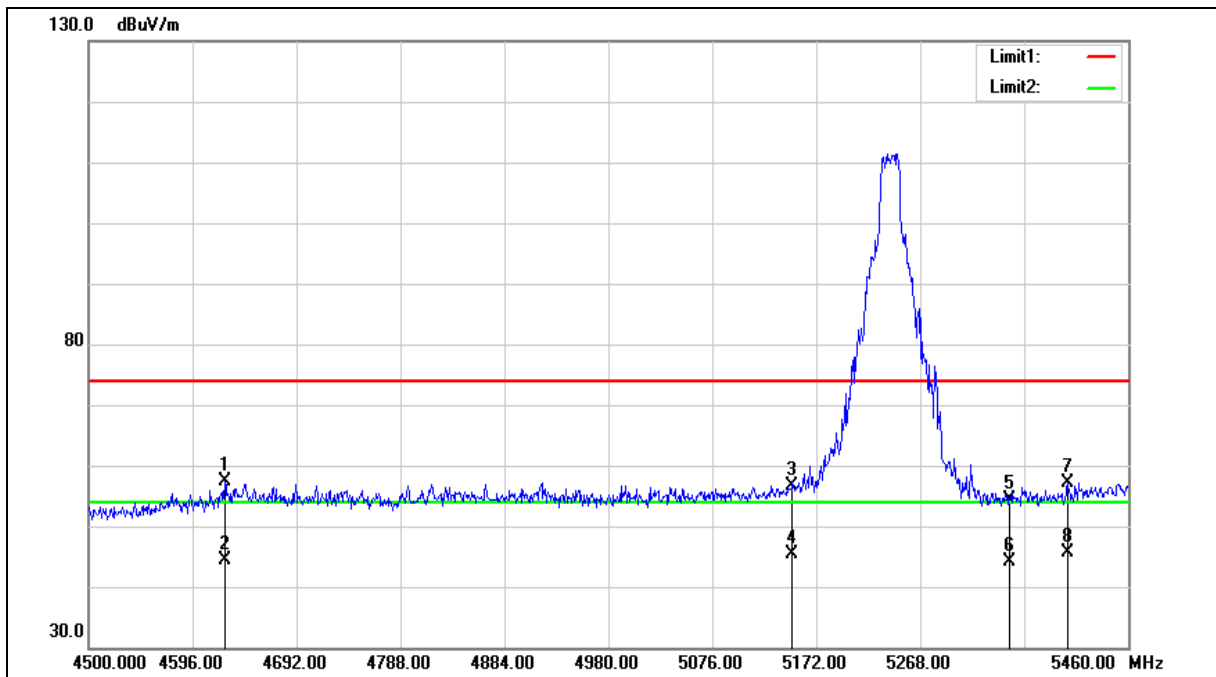
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4625.760	52.67	4.76	57.43	74.00	-16.57	peak
2	4625.760	39.64	4.76	44.40	54.00	-9.60	AVG
3	5150.000	50.39	6.14	56.53	74.00	-17.47	peak
4	5150.000	39.18	6.14	45.32	54.00	-8.68	AVG
5	5350.000	47.95	6.46	54.41	74.00	-19.59	peak
6	5350.000	37.56	6.46	44.02	54.00	-9.98	AVG
7	5404.320	50.67	6.55	57.22	74.00	-16.78	peak
8	5404.320	39.08	6.55	45.63	54.00	-8.37	AVG

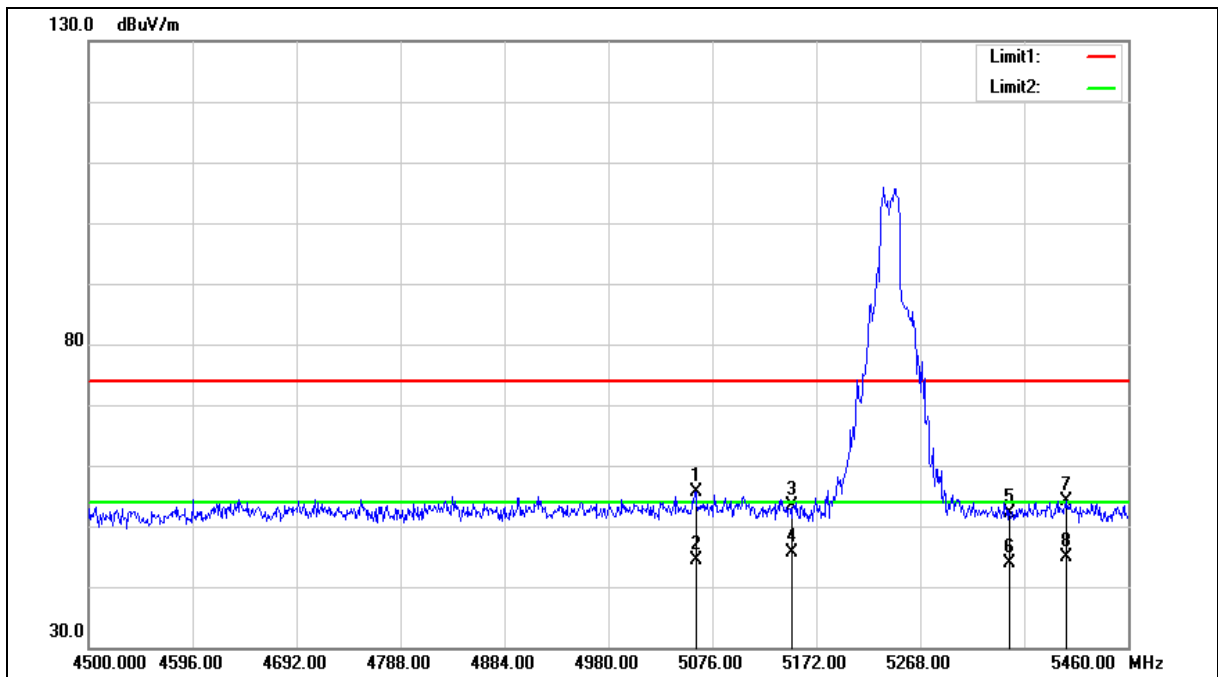
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

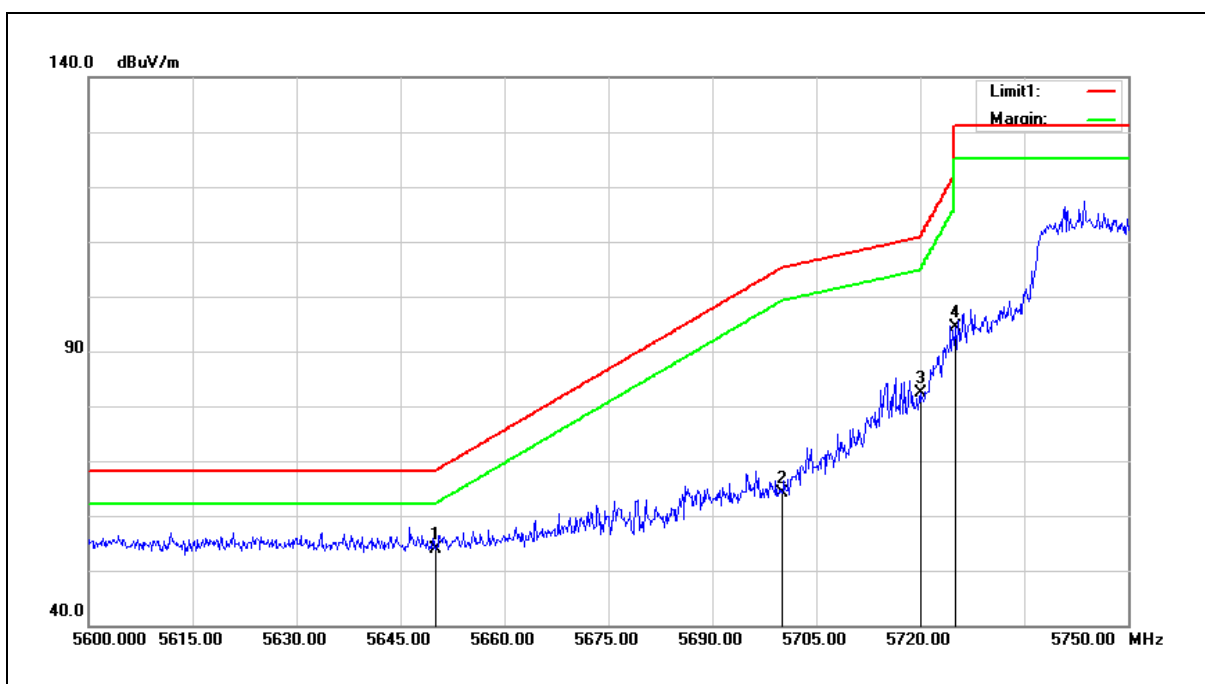
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5060.640	49.70	5.98	55.68	74.00	-18.32	peak
2	5060.640	38.44	5.98	44.42	54.00	-9.58	AVG
3	5150.000	47.21	6.14	53.35	74.00	-20.65	peak
4	5150.000	39.53	6.14	45.67	54.00	-8.33	AVG
5	5350.000	45.75	6.46	52.21	74.00	-21.79	peak
6	5350.000	37.38	6.46	43.84	54.00	-10.16	AVG
7	5403.360	47.61	6.55	54.16	74.00	-19.84	peak
8	5403.360	38.40	6.55	44.95	54.00	-9.05	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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



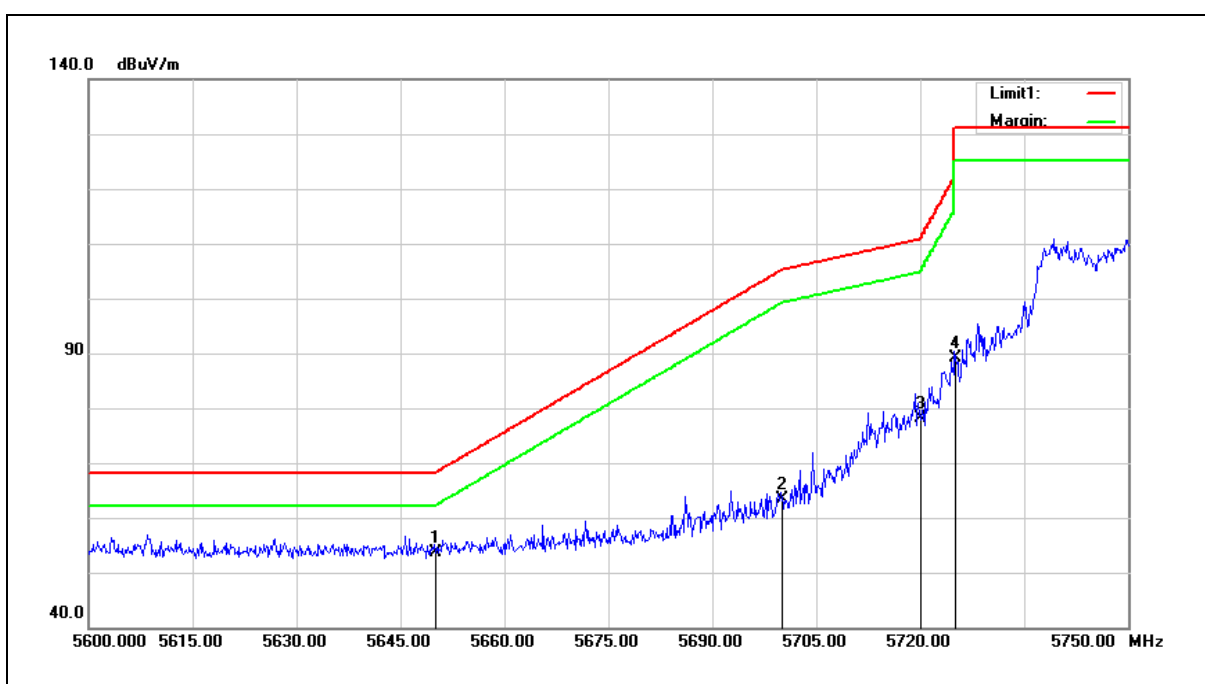
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.94	6.98	53.92	68.20	-14.28	peak
2	5700.000	57.15	7.07	64.22	105.20	-40.98	peak
3	5720.000	75.21	7.12	82.33	110.80	-28.47	peak
4	5725.000	87.18	7.13	94.31	122.20	-27.89	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.60	6.98	53.58	68.20	-14.62	peak
2	5700.000	56.40	7.07	63.47	105.20	-41.73	peak
3	5720.000	70.97	7.12	78.09	110.80	-32.71	peak
4	5725.000	82.08	7.13	89.21	122.20	-32.99	peak

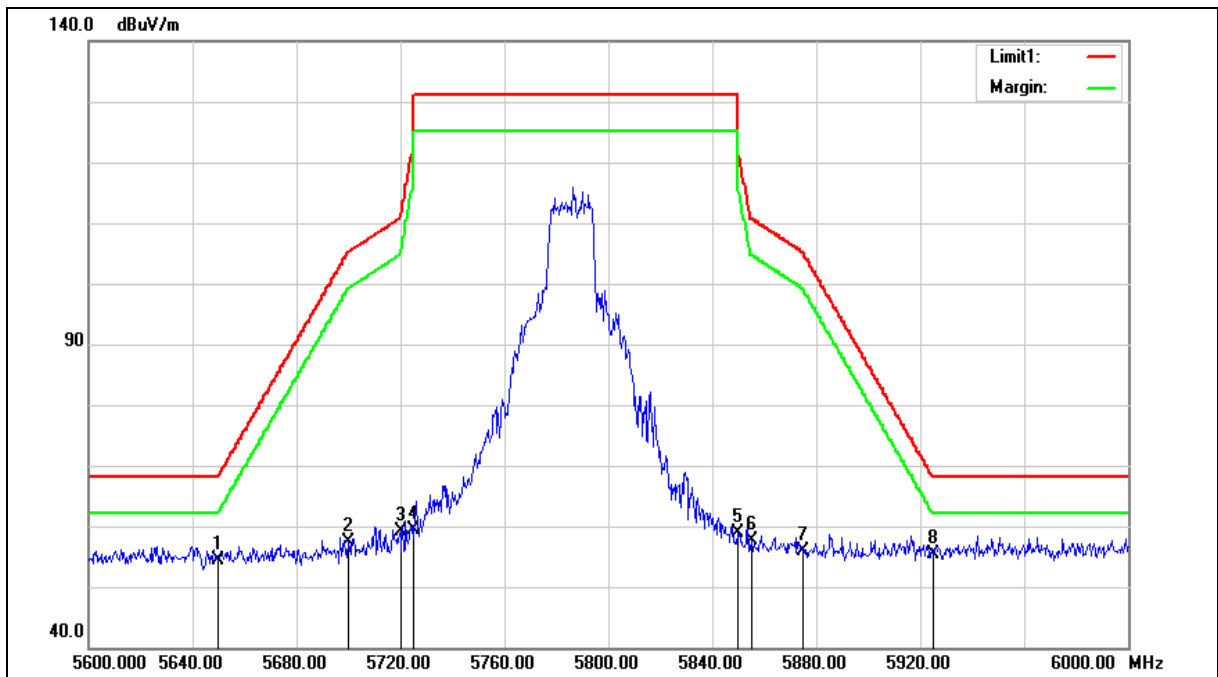
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.29	6.98	54.27	68.20	-13.93	peak
2	5700.000	50.28	7.07	57.35	105.20	-47.85	peak
3	5720.000	52.05	7.12	59.17	110.80	-51.63	peak
4	5725.000	52.16	7.13	59.29	122.20	-62.91	peak
5	5850.000	51.52	7.36	58.88	122.20	-63.32	peak
6	5855.000	50.15	7.37	57.52	110.80	-53.28	peak
7	5875.000	48.37	7.40	55.77	105.20	-49.43	peak
8	5925.000	48.00	7.50	55.50	68.20	-12.70	peak

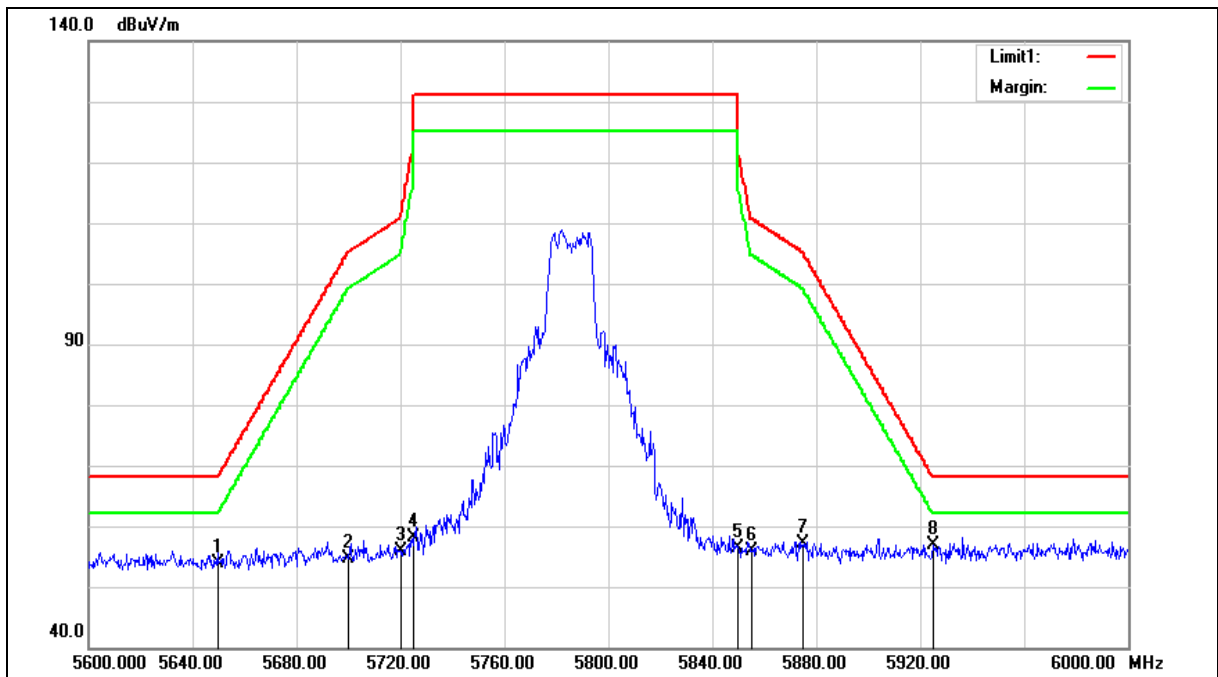
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

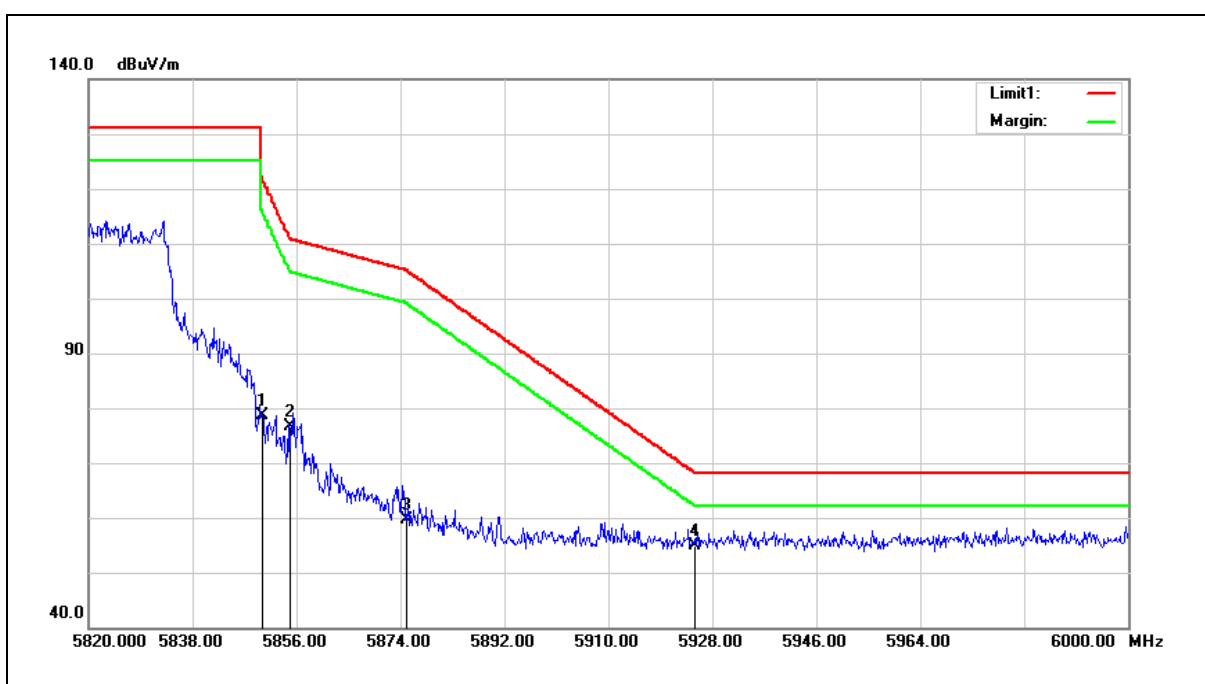
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.01	6.98	53.99	68.20	-14.21	peak
2	5700.000	47.56	7.07	54.63	105.20	-50.57	peak
3	5720.000	48.75	7.12	55.87	110.80	-54.93	peak
4	5725.000	51.10	7.13	58.23	122.20	-63.97	peak
5	5850.000	49.14	7.36	56.50	122.20	-65.70	peak
6	5855.000	48.48	7.37	55.85	110.80	-54.95	peak
7	5875.000	49.63	7.40	57.03	105.20	-48.17	peak
8	5925.000	49.36	7.50	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:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



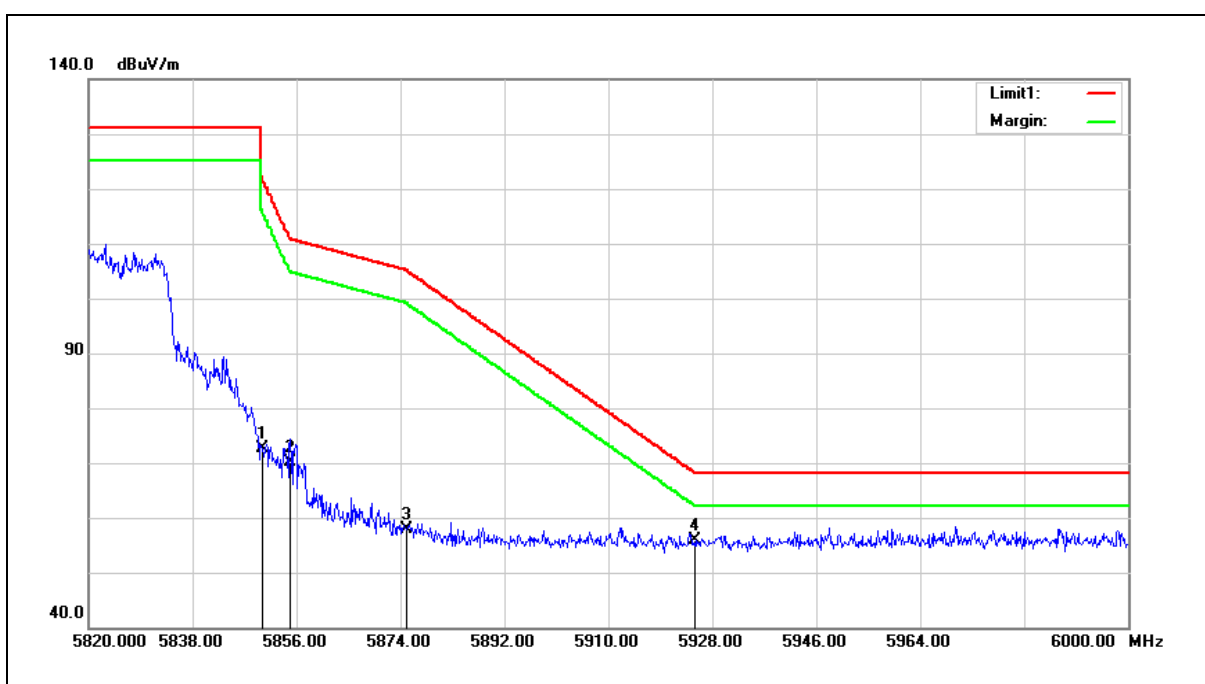
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	71.33	7.36	78.69	122.20	-43.51	peak
2	5855.000	69.37	7.37	76.74	110.80	-34.06	peak
3	5875.000	52.31	7.40	59.71	105.20	-45.49	peak
4	5925.000	47.31	7.50	54.81	68.20	-13.39	peak

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



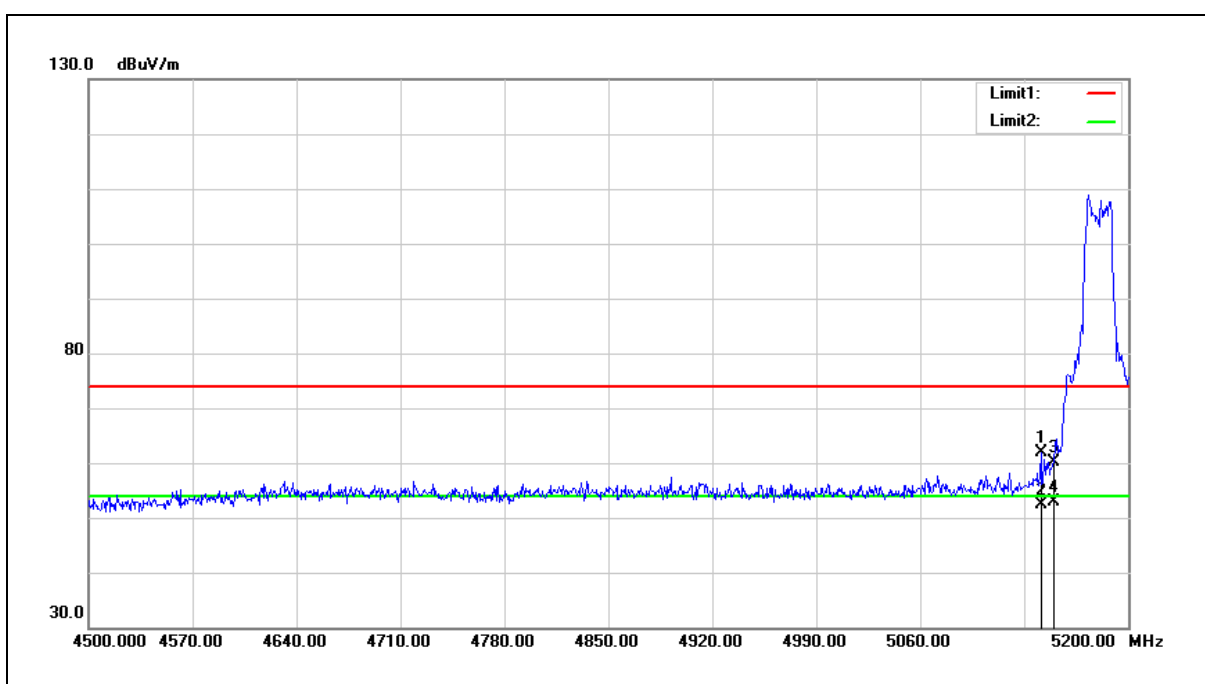
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	65.23	7.36	72.59	122.20	-49.61	peak
2	5855.000	62.82	7.37	70.19	110.80	-40.61	peak
3	5875.000	50.50	7.40	57.90	105.20	-47.30	peak
4	5925.000	48.35	7.50	55.85	68.20	-12.35	peak

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

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

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

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



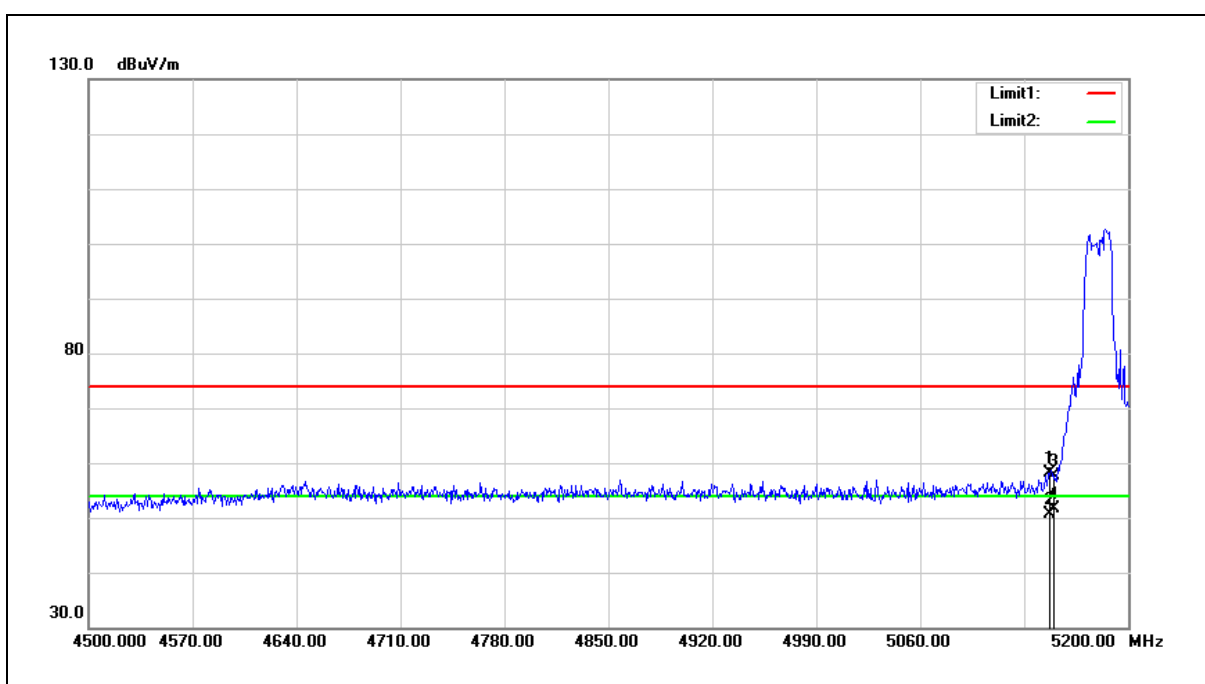
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.200	55.70	6.13	61.83	74.00	-12.17	peak
2	5141.200	46.37	6.13	52.50	54.00	-1.50	AVG
3	5150.000	53.94	6.14	60.08	74.00	-13.92	peak
4	5150.000	46.77	6.14	52.91	54.00	-1.09	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.800	52.04	6.13	58.17	74.00	-15.83	peak
2	5146.800	44.55	6.13	50.68	54.00	-3.32	AVG
3	5150.000	51.41	6.14	57.55	74.00	-16.45	peak
4	5150.000	45.48	6.14	51.62	54.00	-2.38	AVG

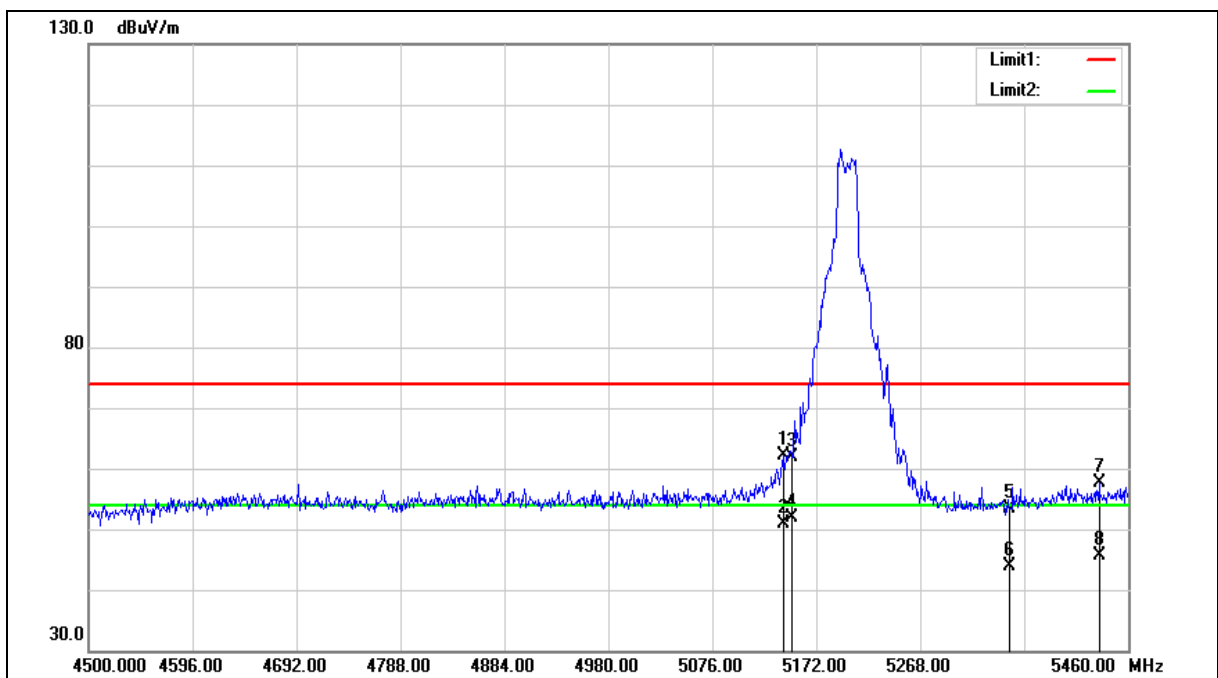
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.240	55.88	6.13	62.01	74.00	-11.99	peak
2	5142.240	44.79	6.13	50.92	54.00	-3.08	AVG
3	5150.000	55.80	6.14	61.94	74.00	-12.06	peak
4	5150.000	45.83	6.14	51.97	54.00	-2.03	AVG
5	5350.000	46.89	6.46	53.35	74.00	-20.65	peak
6	5350.000	37.50	6.46	43.96	54.00	-10.04	AVG
7	5433.120	50.94	6.59	57.53	74.00	-16.47	peak
8	5433.120	39.14	6.59	45.73	54.00	-8.27	AVG

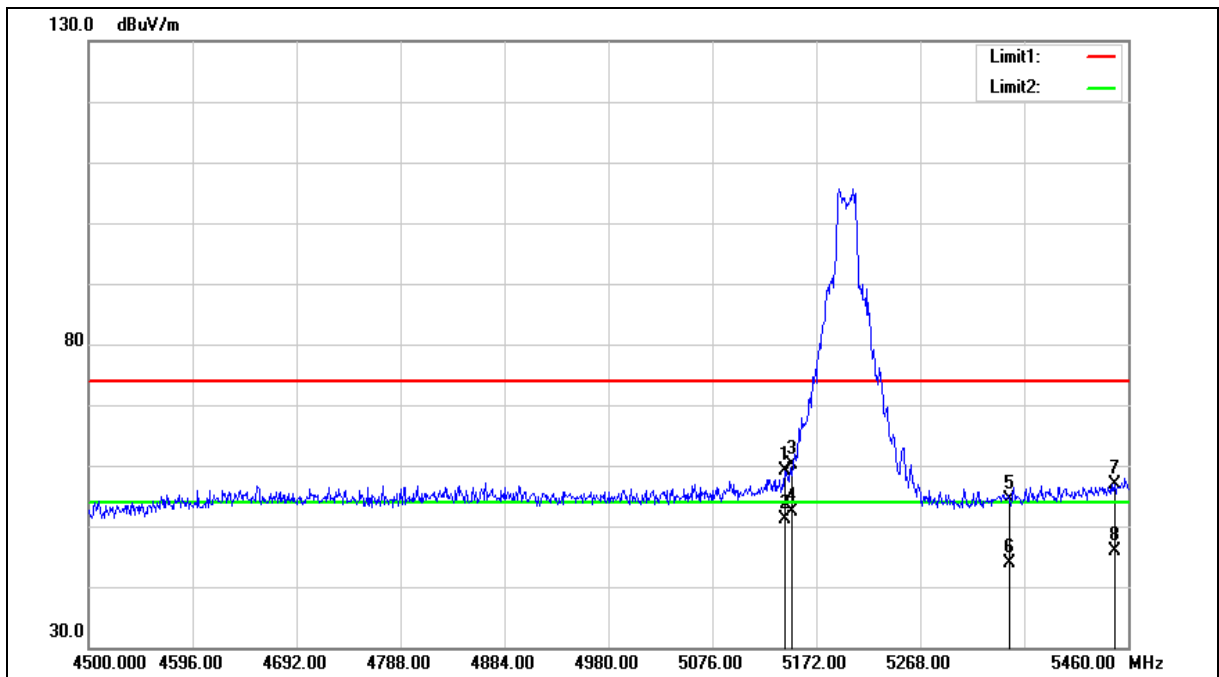
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.200	52.89	6.13	59.02	74.00	-14.98	peak
2	5143.200	44.95	6.13	51.08	54.00	-2.92	AVG
3	5150.000	54.09	6.14	60.23	74.00	-13.77	peak
4	5150.000	46.29	6.14	52.43	54.00	-1.57	AVG
5	5350.000	47.82	6.46	54.28	74.00	-19.72	peak
6	5350.000	37.49	6.46	43.95	54.00	-10.05	AVG
7	5447.520	50.22	6.62	56.84	74.00	-17.16	peak
8	5447.520	39.20	6.62	45.82	54.00	-8.18	AVG

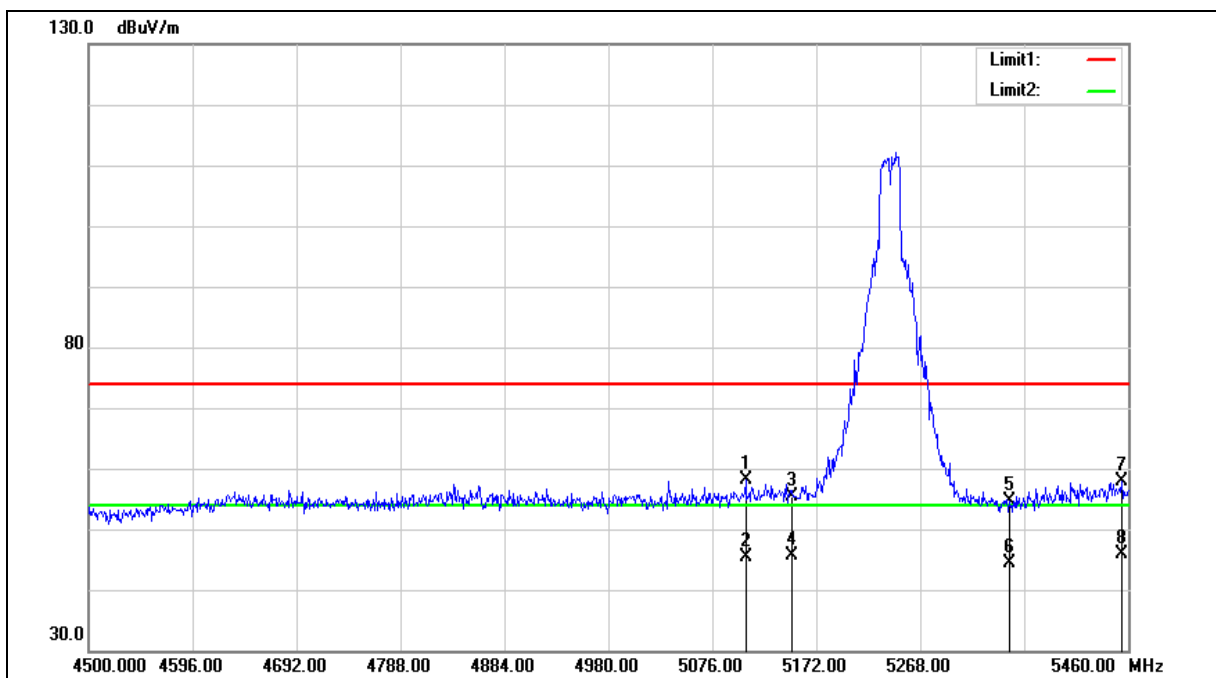
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5106.720	51.95	6.07	58.02	74.00	-15.98	peak
2	5106.720	39.41	6.07	45.48	54.00	-8.52	AVG
3	5150.000	49.14	6.14	55.28	74.00	-18.72	peak
4	5150.000	39.48	6.14	45.62	54.00	-8.38	AVG
5	5350.000	48.24	6.46	54.70	74.00	-19.30	peak
6	5350.000	37.83	6.46	44.29	54.00	-9.71	AVG
7	5454.240	51.23	6.63	57.86	74.00	-16.14	peak
8	5454.240	39.29	6.63	45.92	54.00	-8.08	AVG

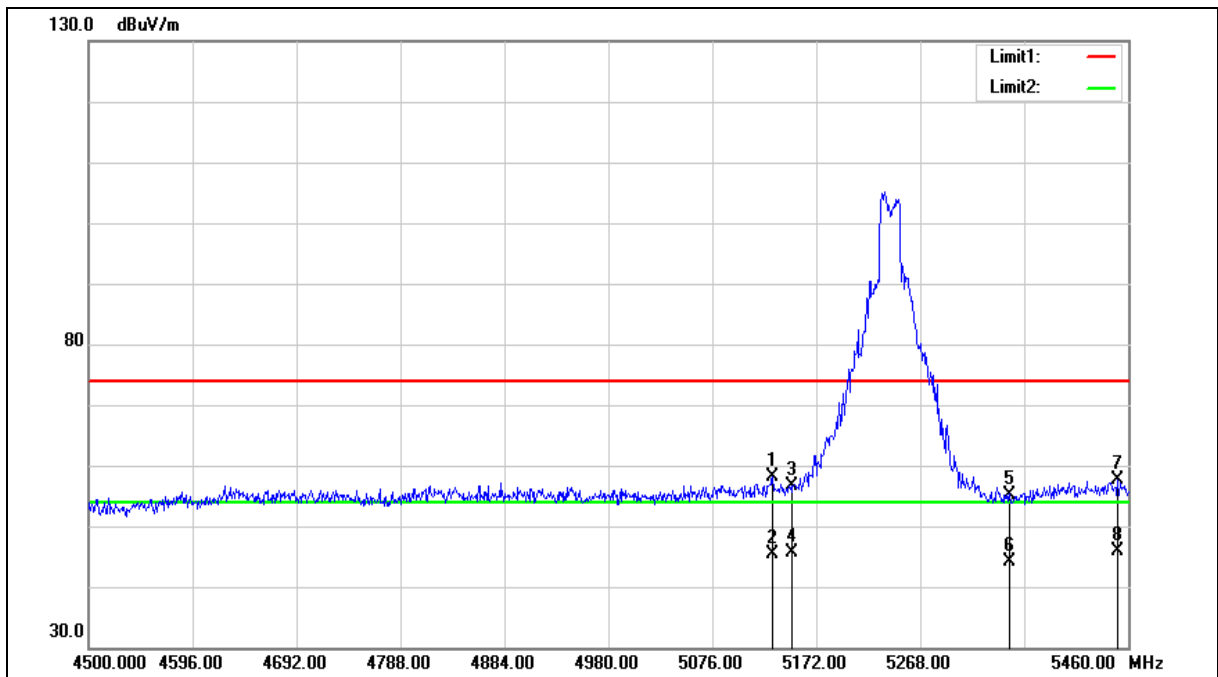
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

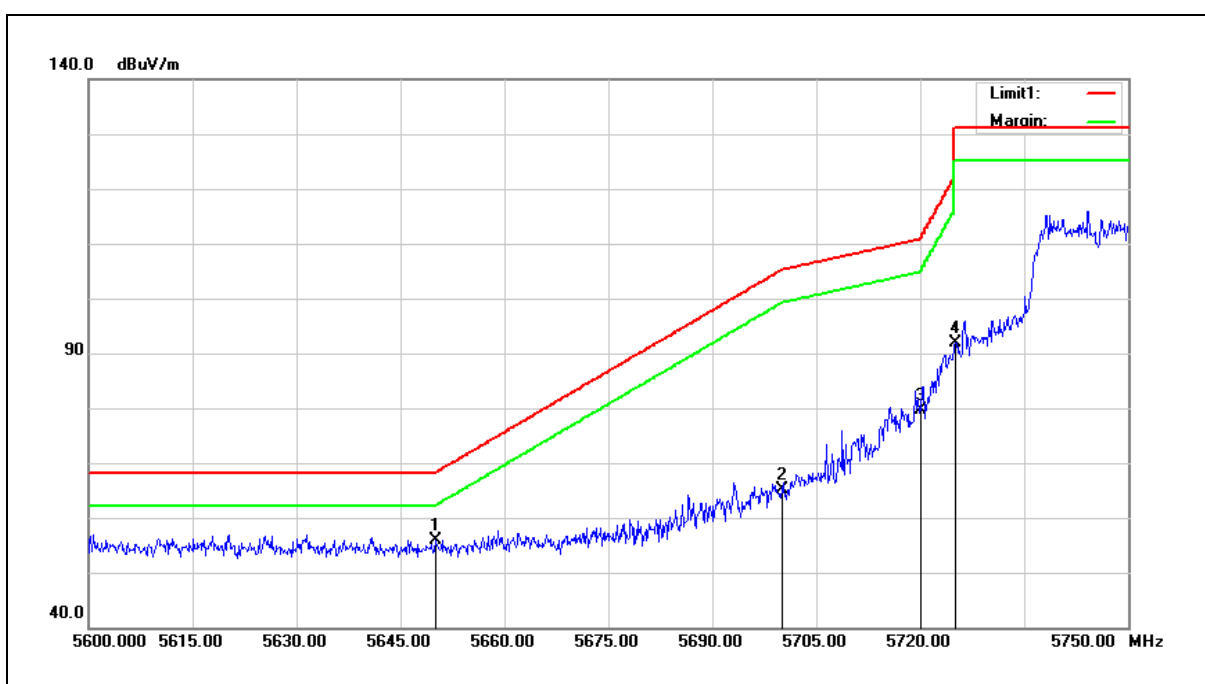
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5131.680	51.91	6.11	58.02	74.00	-15.98	peak
2	5131.680	39.25	6.11	45.36	54.00	-8.64	AVG
3	5150.000	50.50	6.14	56.64	74.00	-17.36	peak
4	5150.000	39.46	6.14	45.60	54.00	-8.40	AVG
5	5350.000	48.79	6.46	55.25	74.00	-18.75	peak
6	5350.000	37.63	6.46	44.09	54.00	-9.91	AVG
7	5450.400	51.04	6.62	57.66	74.00	-16.34	peak
8	5450.400	39.24	6.62	45.86	54.00	-8.14	AVG

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

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

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

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



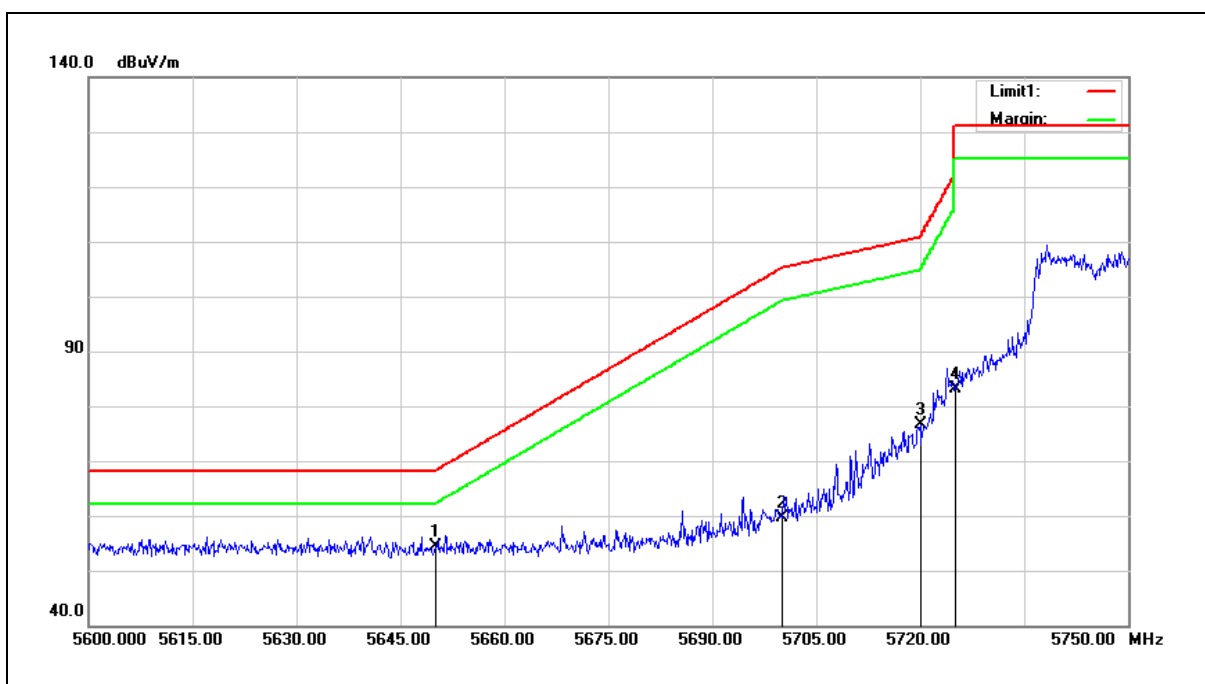
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.78	6.98	55.76	68.20	-12.44	peak
2	5700.000	57.97	7.07	65.04	105.20	-40.16	peak
3	5720.000	72.44	7.12	79.56	110.80	-31.24	peak
4	5725.000	84.84	7.13	91.97	122.20	-30.23	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.51	6.98	54.49	68.20	-13.71	peak
2	5700.000	52.52	7.07	59.59	105.20	-45.61	peak
3	5720.000	69.39	7.12	76.51	110.80	-34.29	peak
4	5725.000	75.90	7.13	83.03	122.20	-39.17	peak

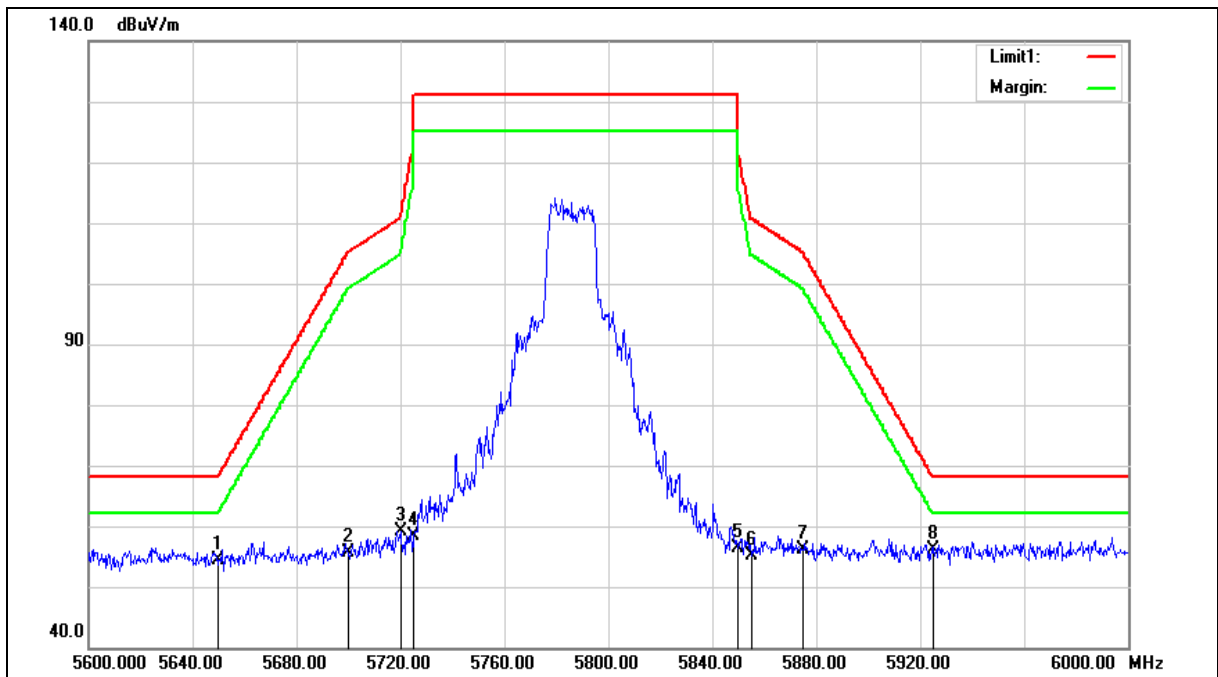
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.36	6.98	54.34	68.20	-13.86	peak
2	5700.000	48.52	7.07	55.59	105.20	-49.61	peak
3	5720.000	51.96	7.12	59.08	110.80	-51.72	peak
4	5725.000	51.35	7.13	58.48	122.20	-63.72	peak
5	5850.000	48.95	7.36	56.31	122.20	-65.89	peak
6	5855.000	47.79	7.37	55.16	110.80	-55.64	peak
7	5875.000	48.64	7.40	56.04	105.20	-49.16	peak
8	5925.000	48.58	7.50	56.08	68.20	-12.12	peak

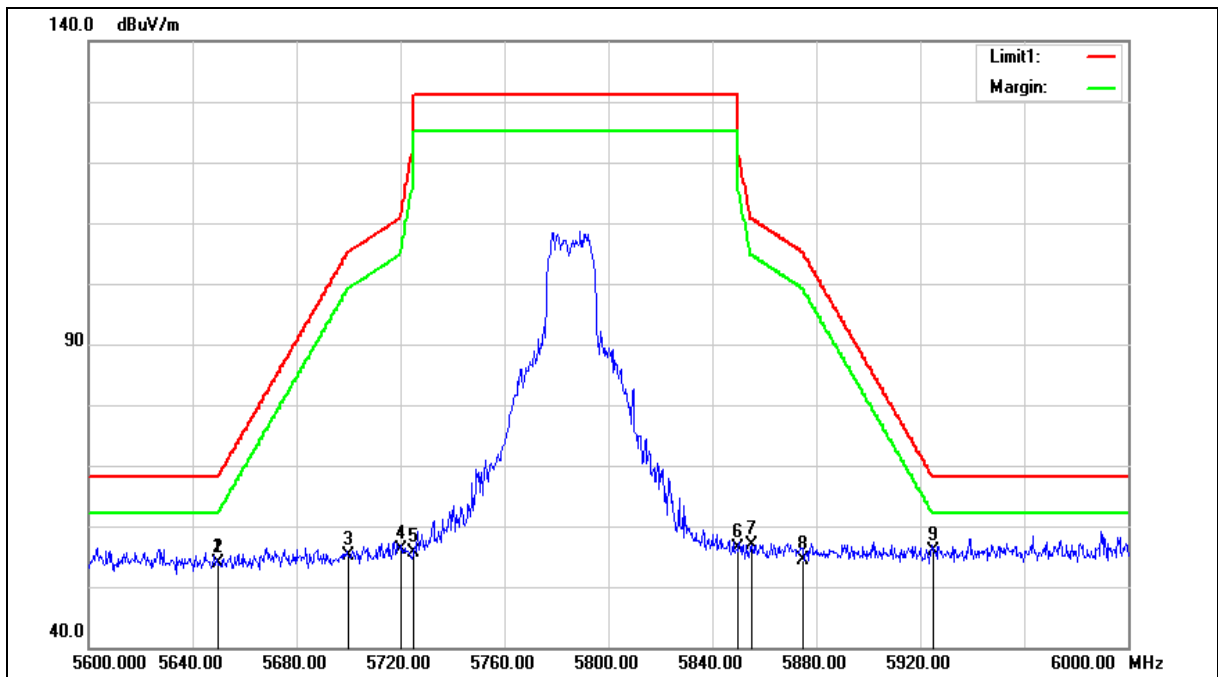
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

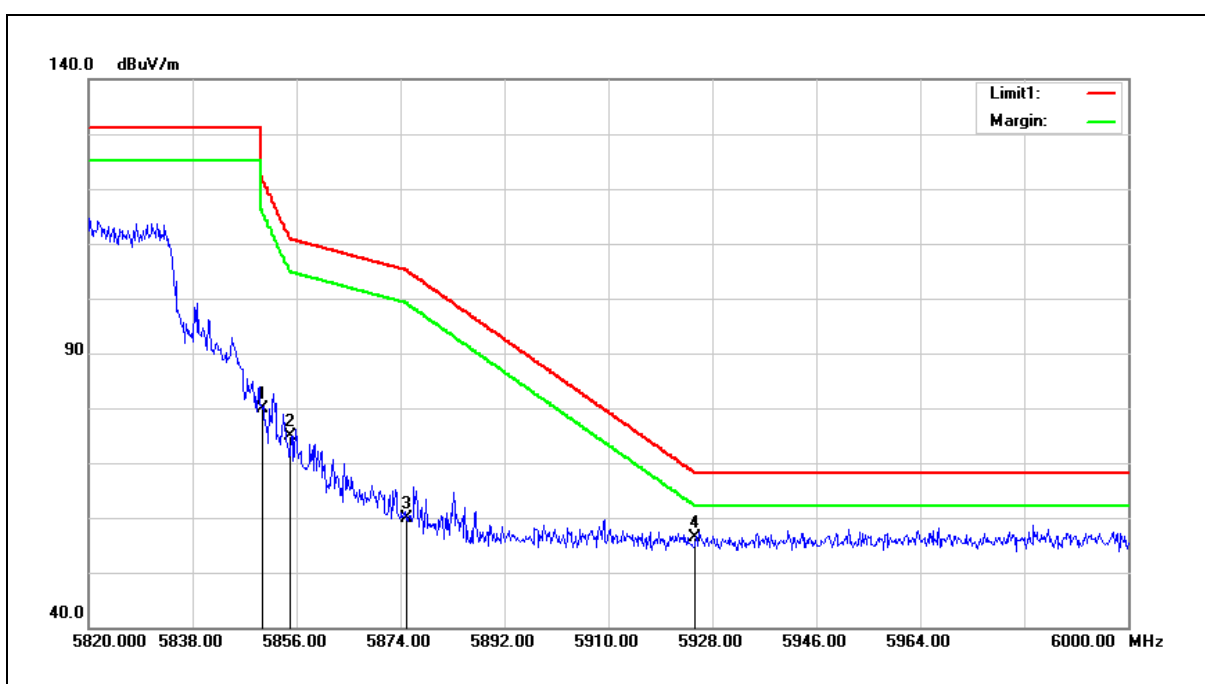
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.80	6.98	53.78	68.20	-14.42	peak
2	5650.000	46.80	6.98	53.78	68.20	-14.42	peak
3	5700.000	47.98	7.07	55.05	105.20	-50.15	peak
4	5720.000	49.05	7.12	56.17	110.80	-54.63	peak
5	5725.000	48.56	7.13	55.69	122.20	-66.51	peak
6	5850.000	49.00	7.36	56.36	122.20	-65.84	peak
7	5855.000	49.42	7.37	56.79	110.80	-54.01	peak
8	5875.000	46.97	7.40	54.37	105.20	-50.83	peak
9	5925.000	48.30	7.50	55.80	68.20	-12.40	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	72.56	7.36	79.92	122.20	-42.28	peak
2	5855.000	67.57	7.37	74.94	110.80	-35.86	peak
3	5875.000	52.48	7.40	59.88	105.20	-45.32	peak
4	5925.000	49.00	7.50	56.50	68.20	-11.70	peak

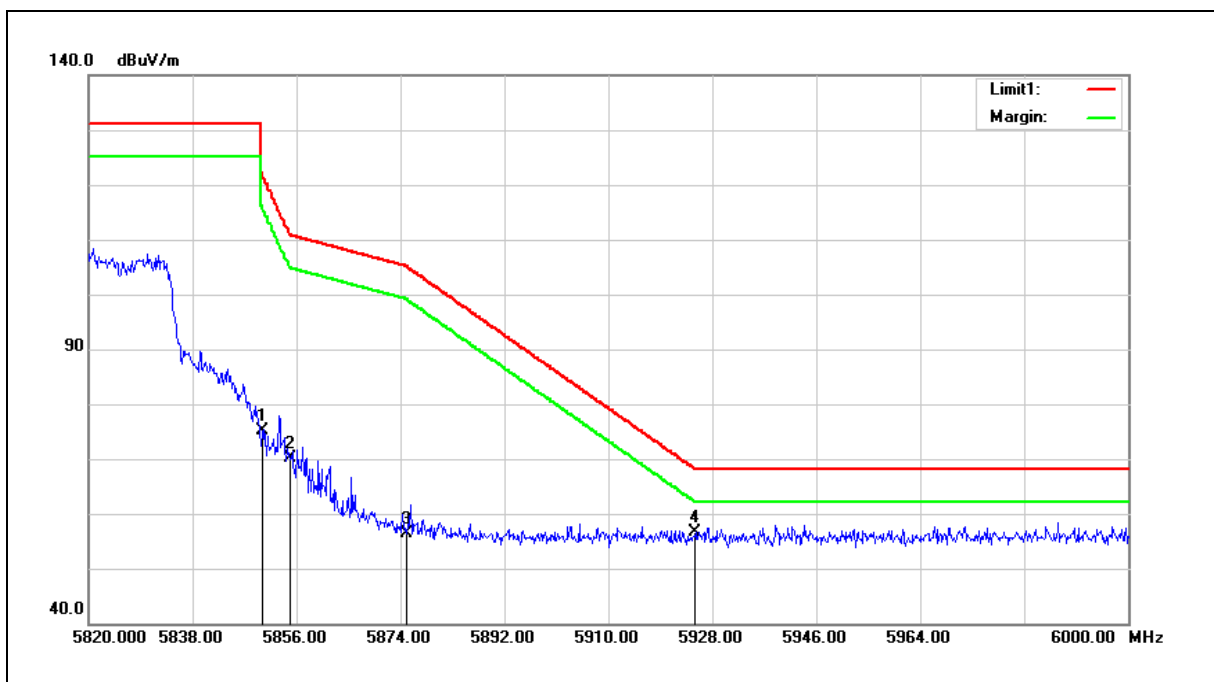
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



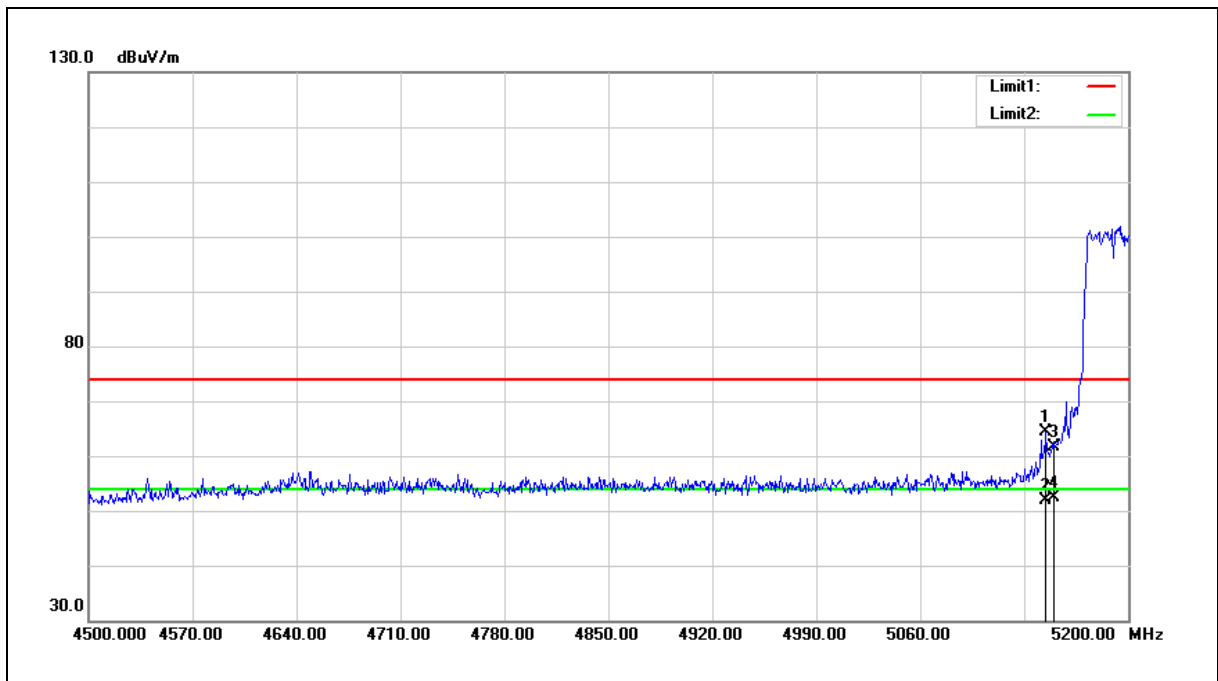
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	67.68	7.36	75.04	122.20	-47.16	peak
2	5855.000	62.66	7.37	70.03	110.80	-40.77	peak
3	5875.000	48.94	7.40	56.34	105.20	-48.86	peak
4	5925.000	49.10	7.50	56.60	68.20	-11.60	peak

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

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

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

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



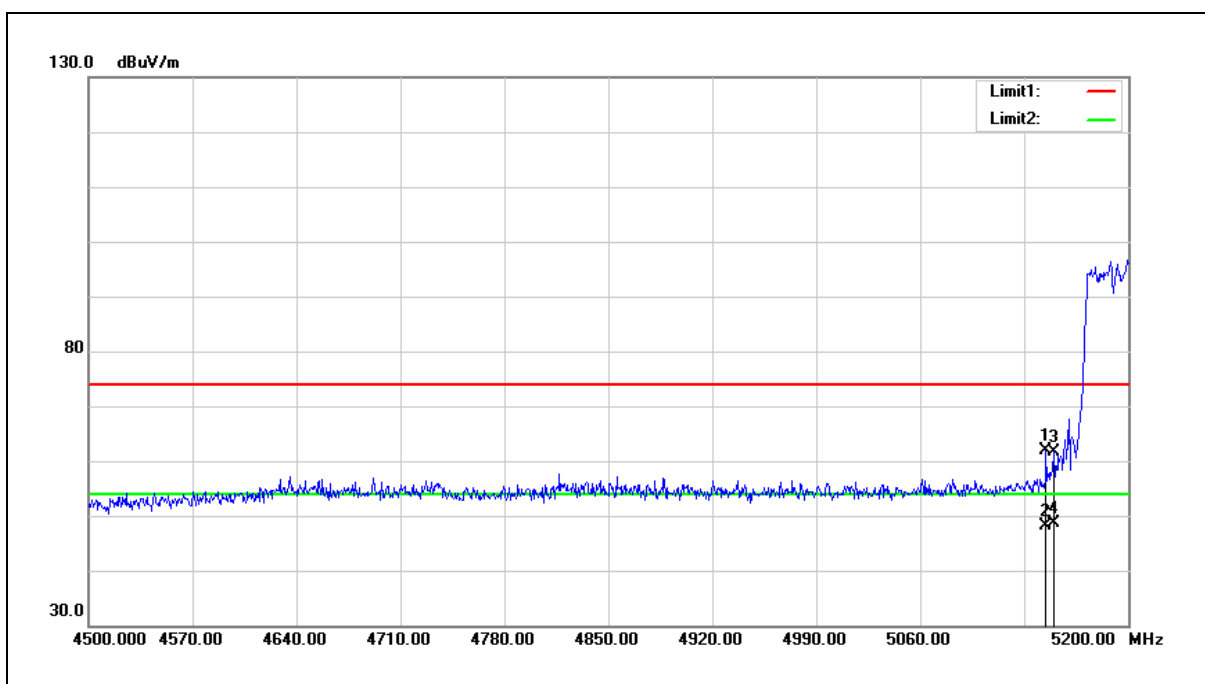
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.700	58.13	6.13	64.26	74.00	-9.74	peak
2	5144.700	45.85	6.13	51.98	54.00	-2.02	AVG
3	5150.000	55.52	6.14	61.66	74.00	-12.34	peak
4	5150.000	46.17	6.14	52.31	54.00	-1.69	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.700	55.85	6.13	61.98	74.00	-12.02	peak
2	5144.700	41.96	6.13	48.09	54.00	-5.91	AVG
3	5150.000	55.46	6.14	61.60	74.00	-12.40	peak
4	5150.000	42.51	6.14	48.65	54.00	-5.35	AVG

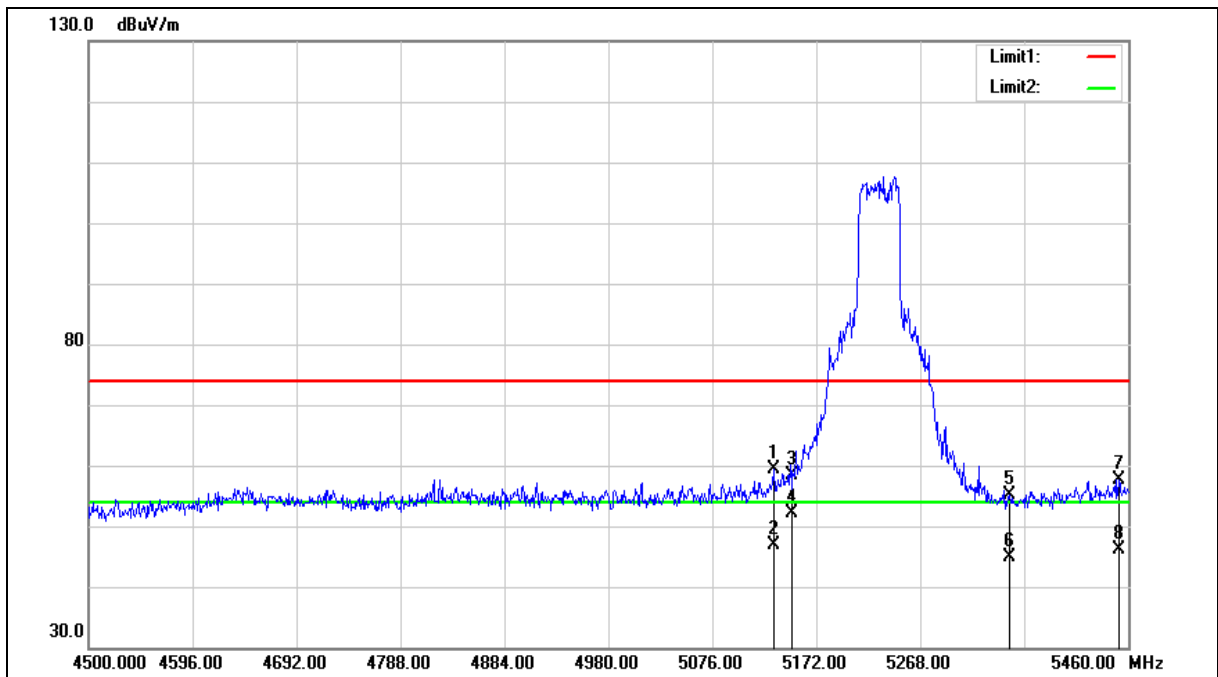
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5132.640	53.32	6.11	59.43	74.00	-14.57	peak
2	5132.640	40.76	6.11	46.87	54.00	-7.13	AVG
3	5150.000	52.21	6.14	58.35	74.00	-15.65	peak
4	5150.000	46.06	6.14	52.20	54.00	-1.80	AVG
5	5350.000	48.56	6.46	55.02	74.00	-18.98	peak
6	5350.000	38.33	6.46	44.79	54.00	-9.21	AVG
7	5451.360	51.12	6.62	57.74	74.00	-16.26	peak
8	5451.360	39.61	6.62	46.23	54.00	-7.77	AVG

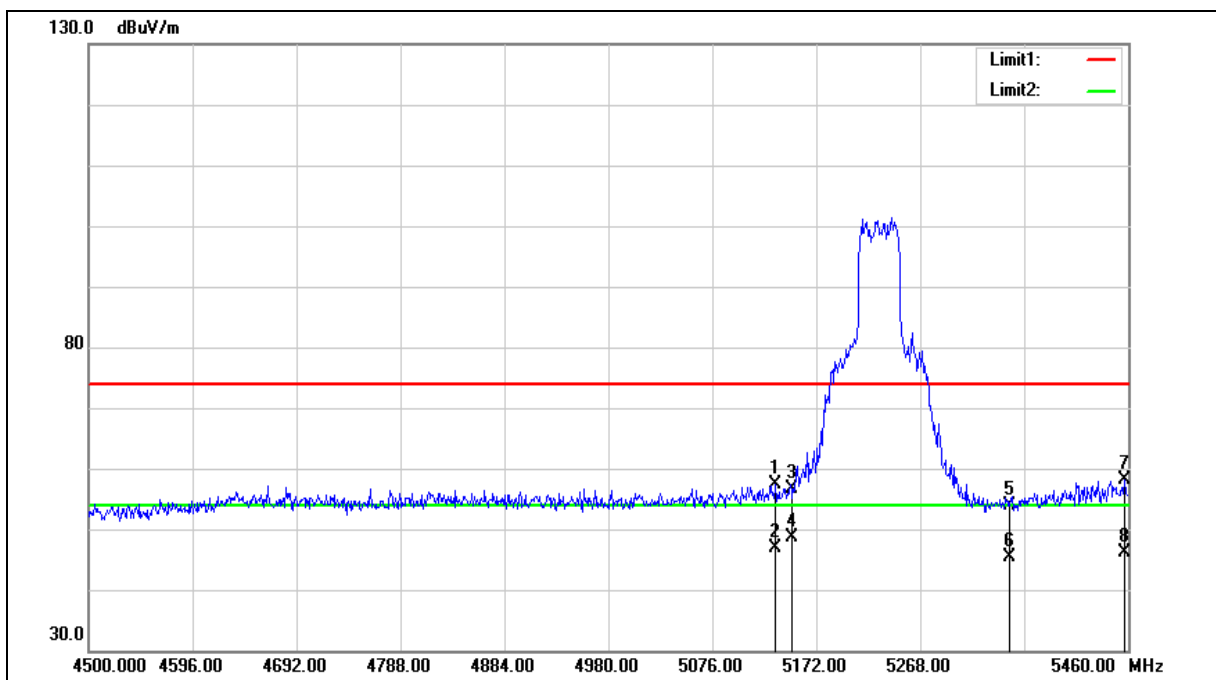
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

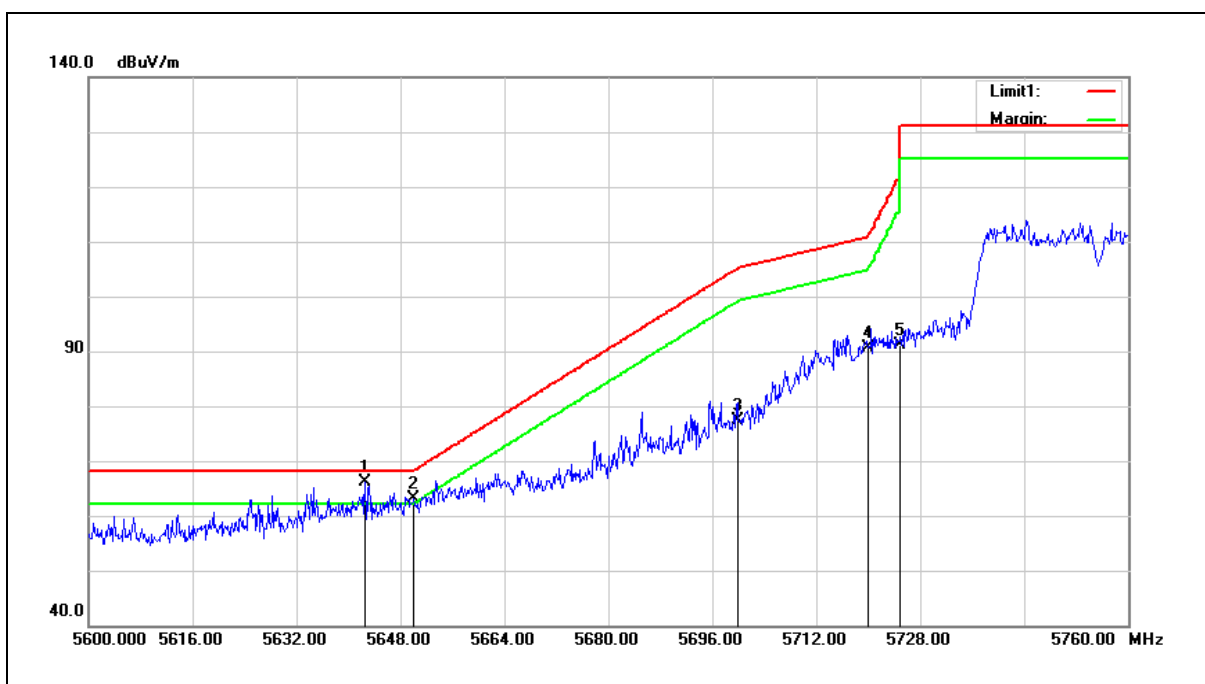
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5134.560	51.25	6.11	57.36	74.00	-16.64	peak
2	5134.560	40.68	6.11	46.79	54.00	-7.21	AVG
3	5150.000	50.46	6.14	56.60	74.00	-17.40	peak
4	5150.000	42.60	6.14	48.74	54.00	-5.26	AVG
5	5350.000	47.45	6.46	53.91	74.00	-20.09	peak
6	5350.000	39.02	6.46	45.48	54.00	-8.52	AVG
7	5457.120	51.41	6.63	58.04	74.00	-15.96	peak
8	5457.120	39.44	6.63	46.07	54.00	-7.93	AVG

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

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

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

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



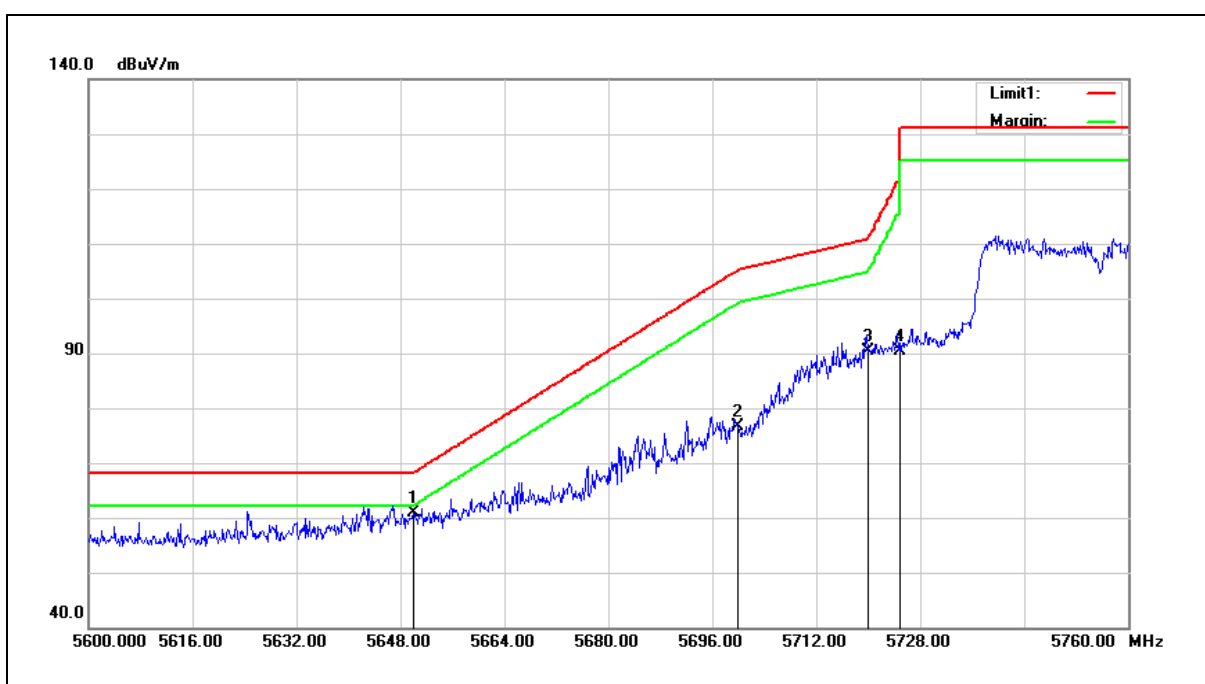
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5642.560	59.12	6.97	66.09	68.20	-2.11	peak
2	5650.000	56.05	6.98	63.03	68.20	-5.17	peak
3	5700.000	70.29	7.07	77.36	105.20	-27.84	peak
4	5720.000	83.49	7.12	90.61	110.80	-20.19	peak
5	5725.000	84.04	7.13	91.17	122.20	-31.03	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	53.89	6.98	60.87	68.20	-7.33	peak
2	5700.000	69.46	7.07	76.53	105.20	-28.67	peak
3	5720.000	83.31	7.12	90.43	110.80	-20.37	peak
4	5725.000	83.20	7.13	90.33	122.20	-31.87	peak

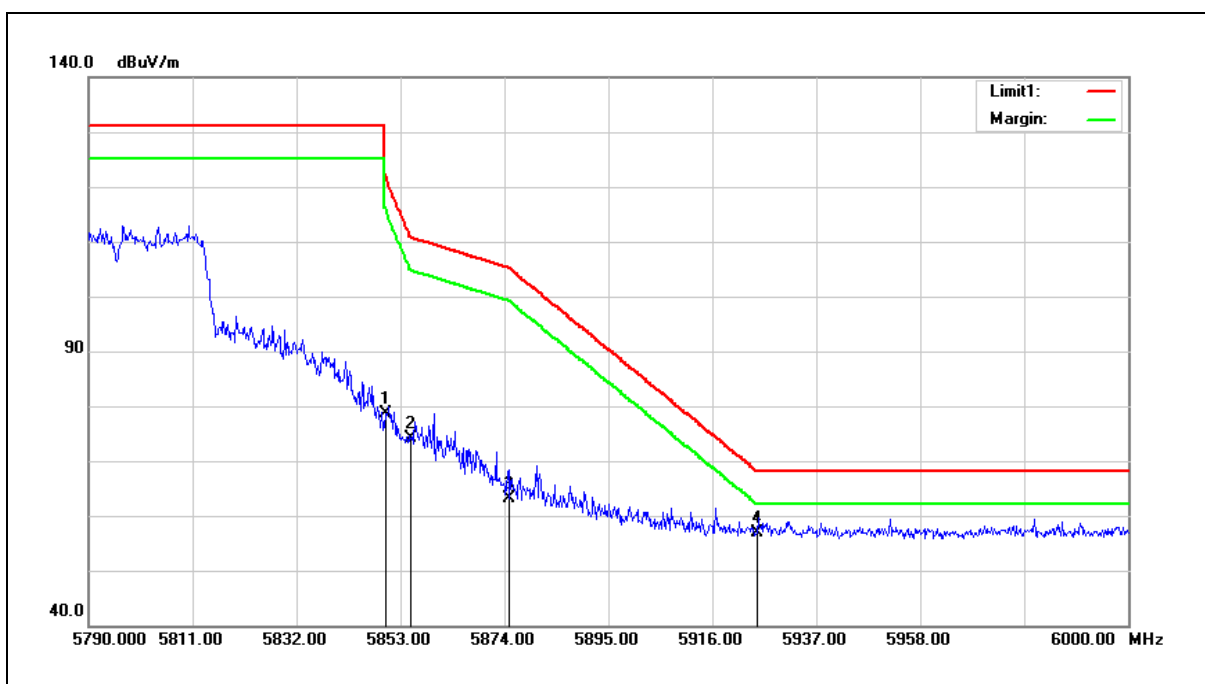
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	71.19	7.36	78.55	122.20	-43.65	peak
2	5855.000	66.69	7.37	74.06	110.80	-36.74	peak
3	5875.000	55.82	7.40	63.22	105.20	-41.98	peak
4	5925.000	49.39	7.50	56.89	68.20	-11.31	peak

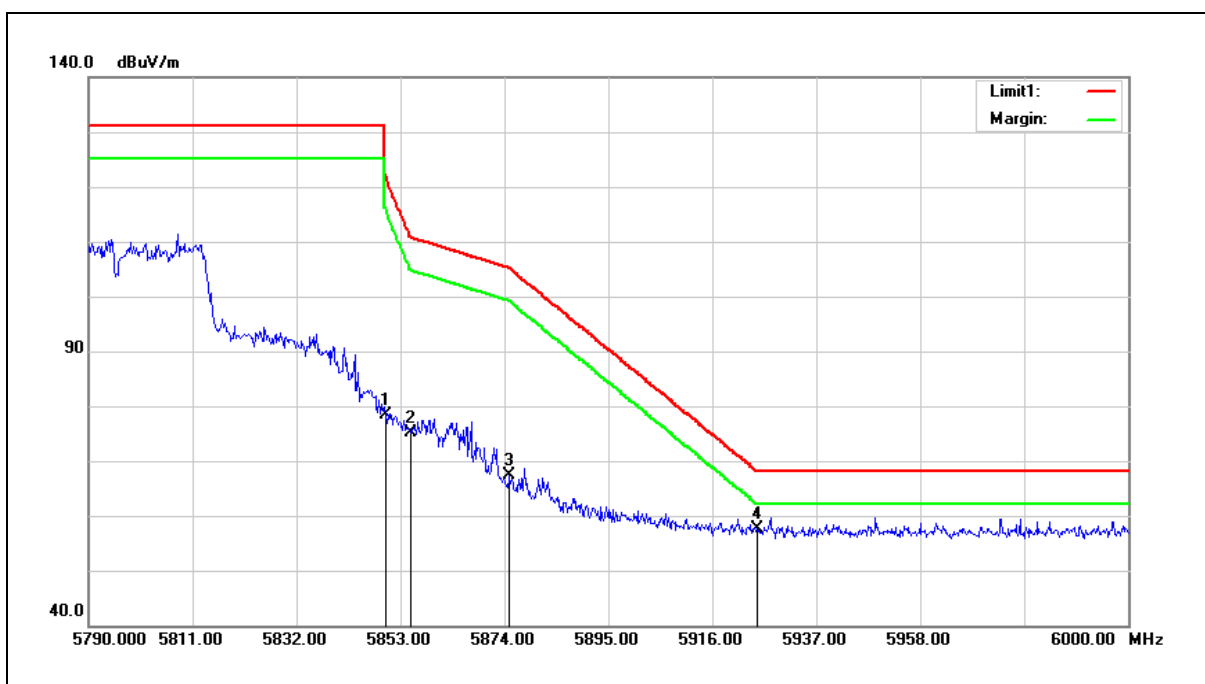
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	70.94	7.36	78.30	122.20	-43.90	peak
2	5855.000	67.66	7.37	75.03	110.80	-35.77	peak
3	5875.000	60.04	7.40	67.44	105.20	-37.76	peak
4	5925.000	50.23	7.50	57.73	68.20	-10.47	peak

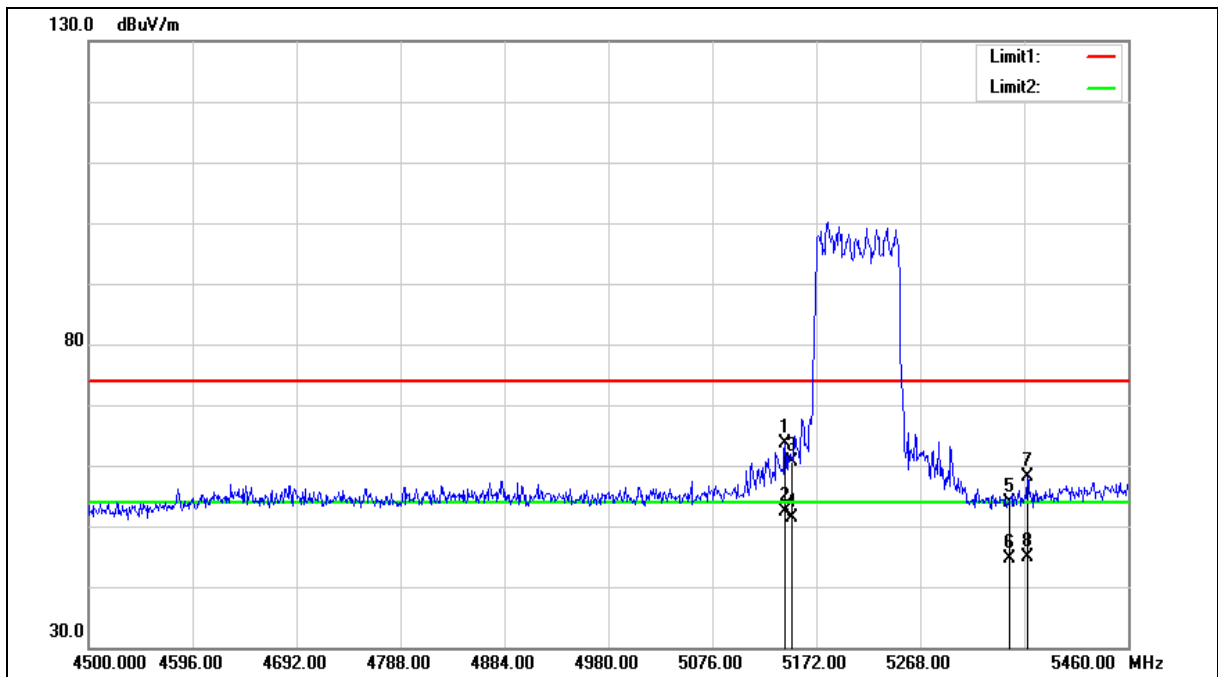
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.200	57.52	6.13	63.65	74.00	-10.35	peak
2	5143.200	46.36	6.13	52.49	54.00	-1.51	AVG
3	5150.000	54.57	6.14	60.71	74.00	-13.29	peak
4	5150.000	45.31	6.14	51.45	54.00	-2.55	AVG
5	5350.000	47.45	6.46	53.91	74.00	-20.09	peak
6	5350.000	38.05	6.46	44.51	54.00	-9.49	AVG
7	5366.880	51.72	6.49	58.21	74.00	-15.79	peak
8	5366.880	38.46	6.49	44.95	54.00	-9.05	AVG

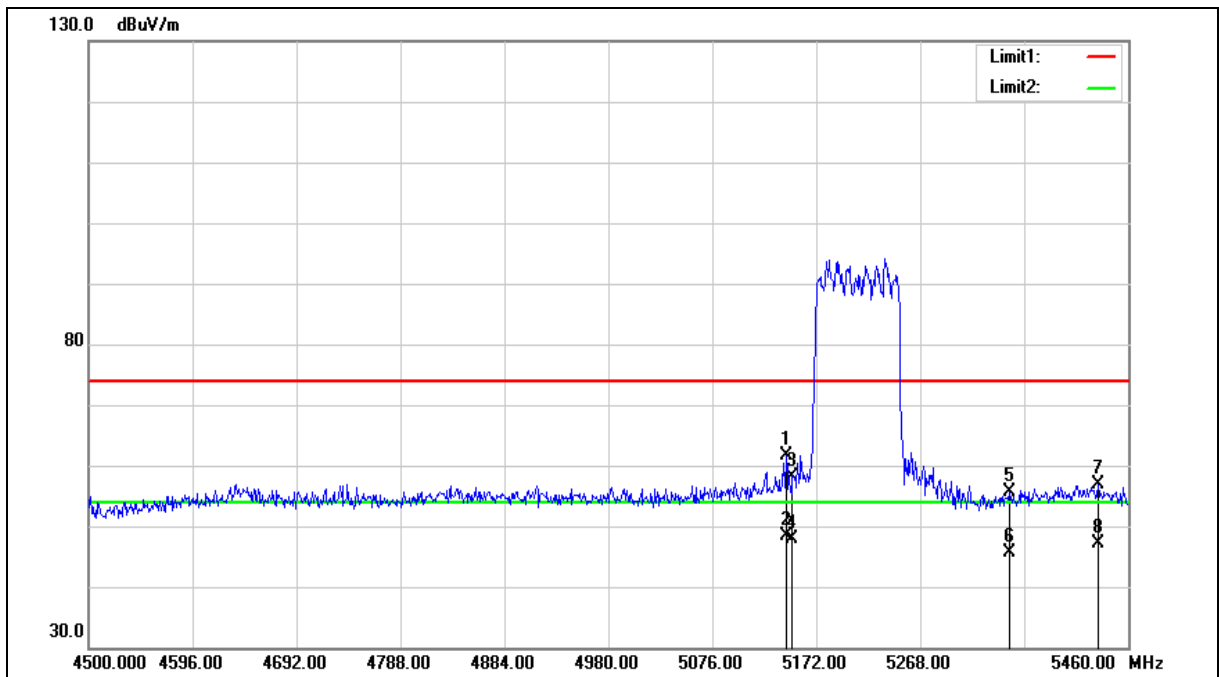
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.160	55.53	6.13	61.66	74.00	-12.34	peak
2	5144.160	42.25	6.13	48.38	54.00	-5.62	AVG
3	5150.000	51.95	6.14	58.09	74.00	-15.91	peak
4	5150.000	41.70	6.14	47.84	54.00	-6.16	AVG
5	5350.000	49.15	6.46	55.61	74.00	-18.39	peak
6	5350.000	39.17	6.46	45.63	54.00	-8.37	AVG
7	5432.160	50.32	6.59	56.91	74.00	-17.09	peak
8	5432.160	40.62	6.59	47.21	54.00	-6.79	AVG

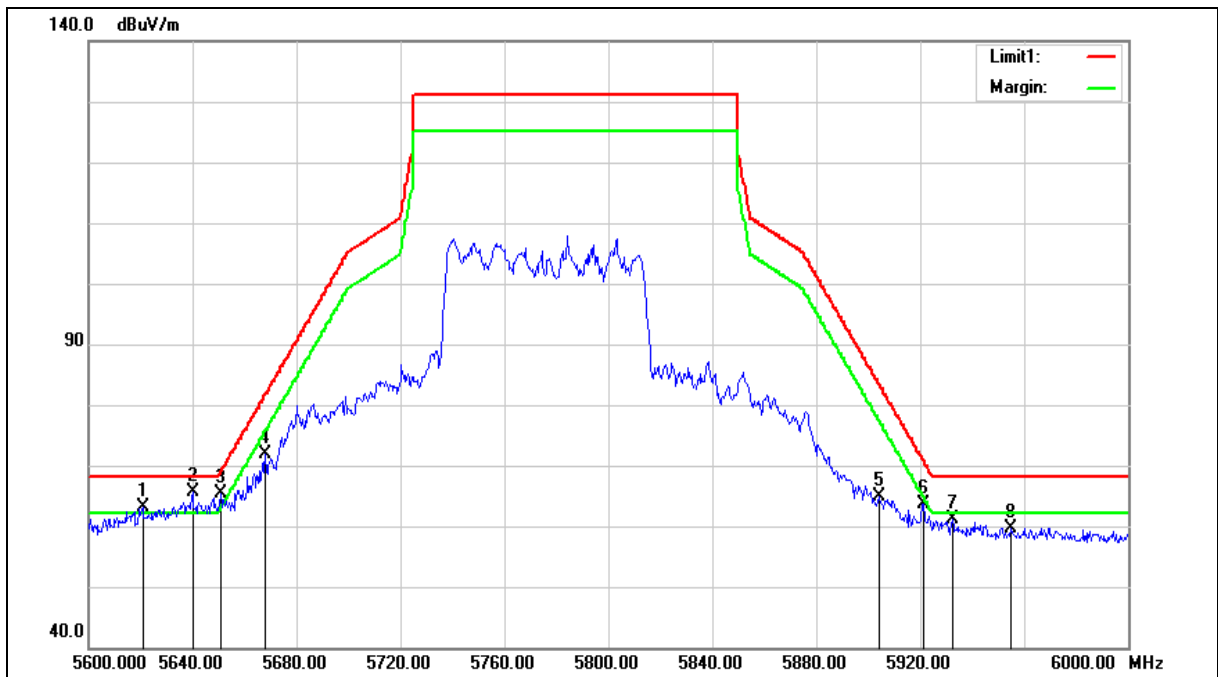
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.800	56.08	6.93	63.01	68.20	-5.19	peak
2	5640.000	58.76	6.96	65.72	68.20	-2.48	peak
3	5650.800	58.49	6.98	65.47	68.79	-3.32	peak
4	5668.000	64.87	7.02	71.89	81.52	-9.63	peak
5	5904.000	57.44	7.47	64.91	83.74	-18.83	peak
6	5921.200	56.07	7.49	63.56	71.01	-7.45	peak
7	5932.400	53.51	7.52	61.03	68.20	-7.17	peak
8	5954.800	52.05	7.56	59.61	68.20	-8.59	peak

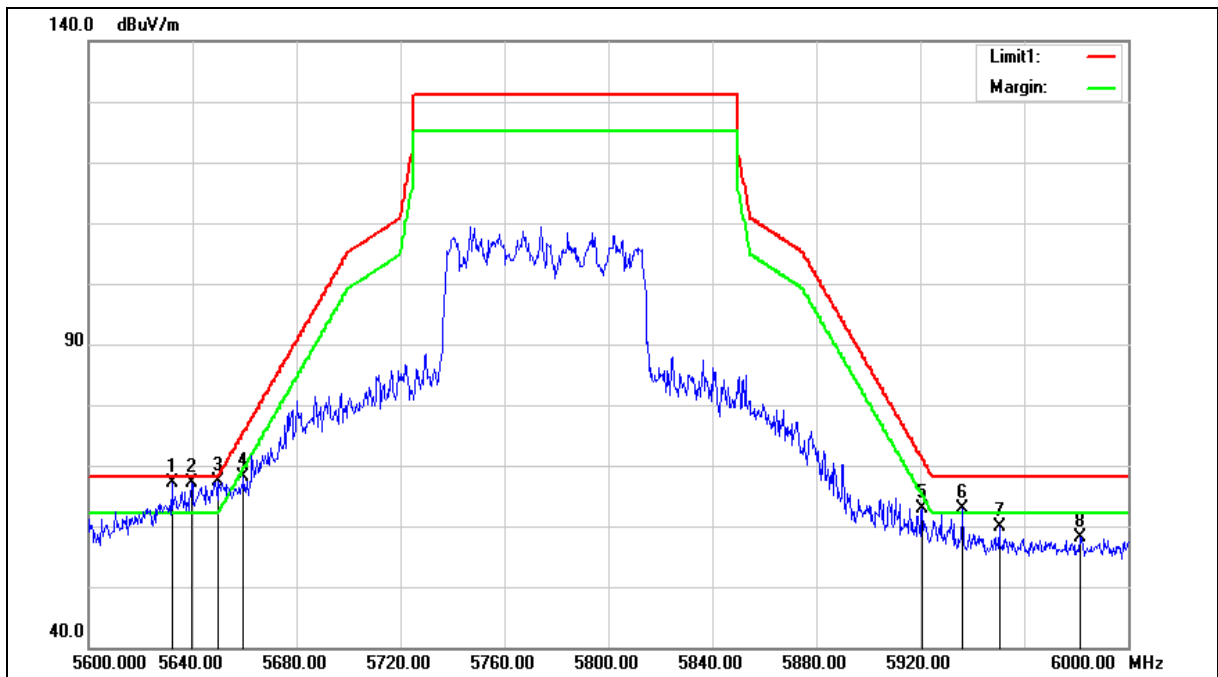
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.000	60.09	6.95	67.04	68.20	-1.16	peak
2	5639.600	60.19	6.96	67.15	68.20	-1.05	peak
3	5650.000	60.50	6.98	67.48	68.20	-0.72	peak
4	5659.600	61.09	7.01	68.10	75.30	-7.20	peak
5	5920.800	55.41	7.49	62.90	71.31	-8.41	peak
6	5936.400	55.30	7.53	62.83	68.20	-5.37	peak
7	5950.400	52.28	7.55	59.83	68.20	-8.37	peak
8	5981.600	50.42	7.61	58.03	68.20	-10.17	peak

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

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

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

Beamforming on

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
197.8100	35.69	-7.82	27.87	43.50	-15.63	QP	H
280.2600	32.81	-4.26	28.55	46.00	-17.45	QP	H
408.3000	28.69	-1.54	27.15	46.00	-18.85	QP	H
559.6200	28.29	1.33	29.62	46.00	-16.38	QP	H
741.0100	28.05	5.32	33.37	46.00	-12.63	QP	H
945.6800	27.31	8.76	36.07	46.00	-9.93	QP	H
263.7700	34.52	-5.08	29.44	46.00	-16.56	QP	V
289.9600	33.42	-3.99	29.43	46.00	-16.57	QP	V
378.2300	30.75	-2.28	28.47	46.00	-17.53	QP	V
468.4400	27.84	-0.18	27.66	46.00	-18.34	QP	V
637.2200	29.06	2.98	32.04	46.00	-13.96	QP	V
960.2300	27.63	9.02	36.65	54.00	-17.35	QP	V

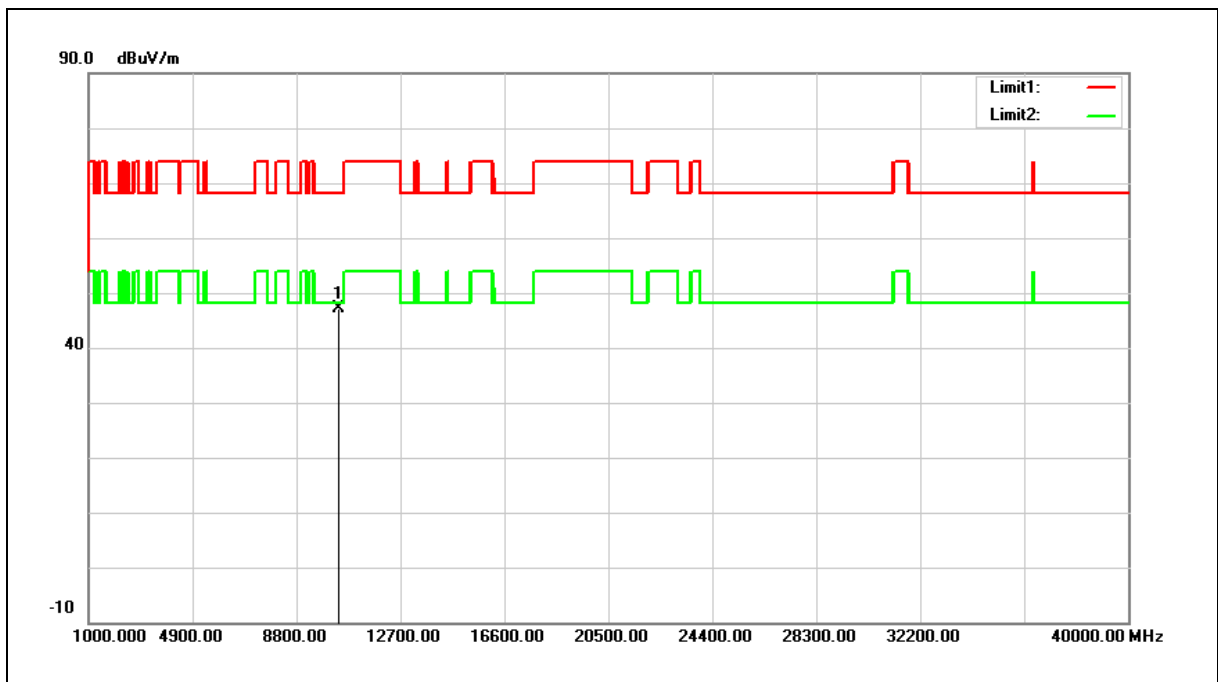
Note: 1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

2. Result = Correction factor + Reading

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

Above 1 GHz

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



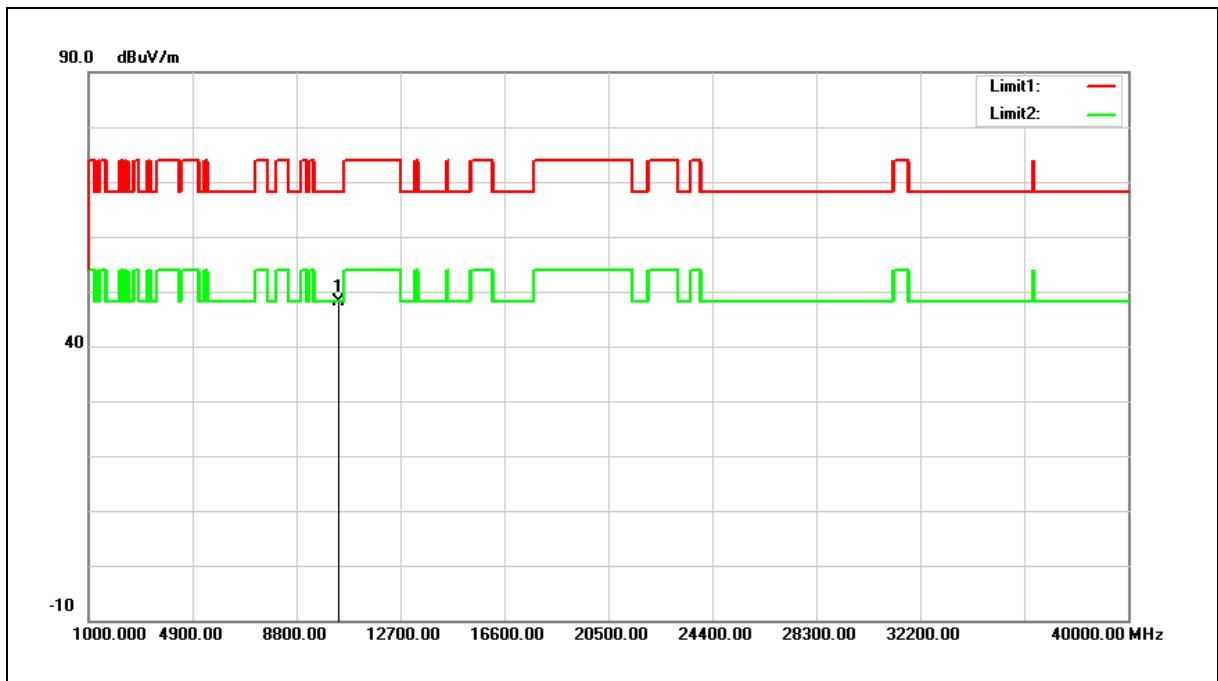
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	30.30	16.84	47.14	68.20	-21.06	peak

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

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

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

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



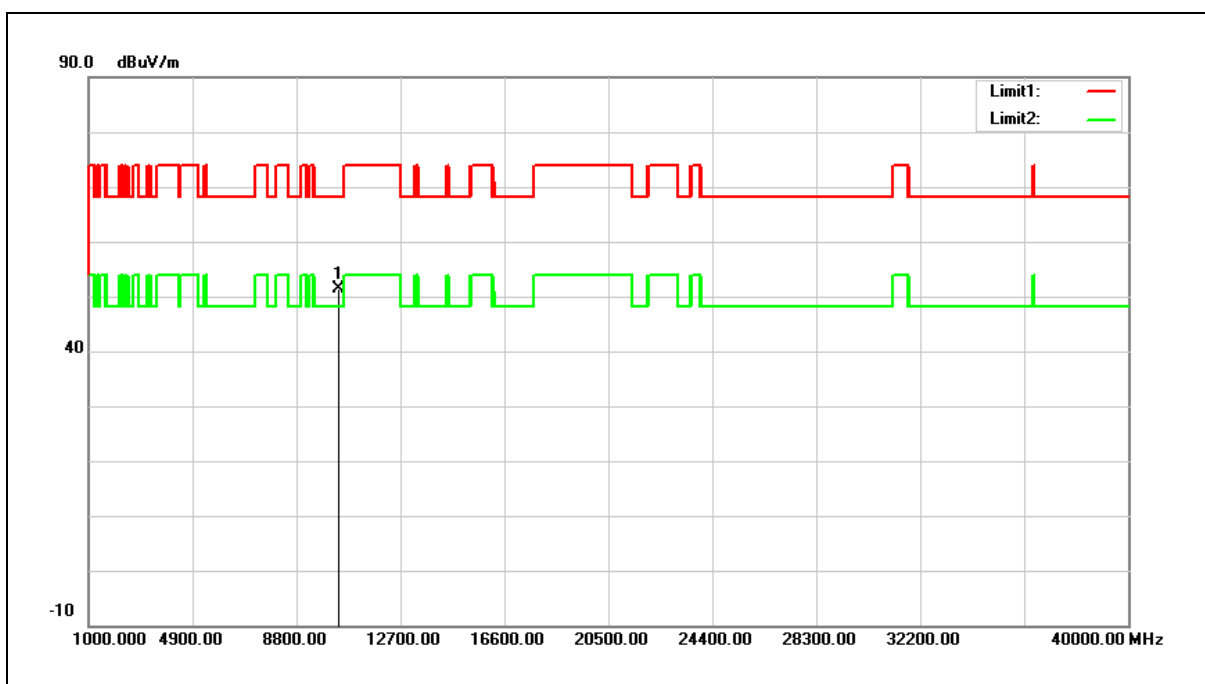
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	31.39	16.84	48.23	68.20	-19.97	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	34.52	16.97	51.49	68.20	-16.71	peak

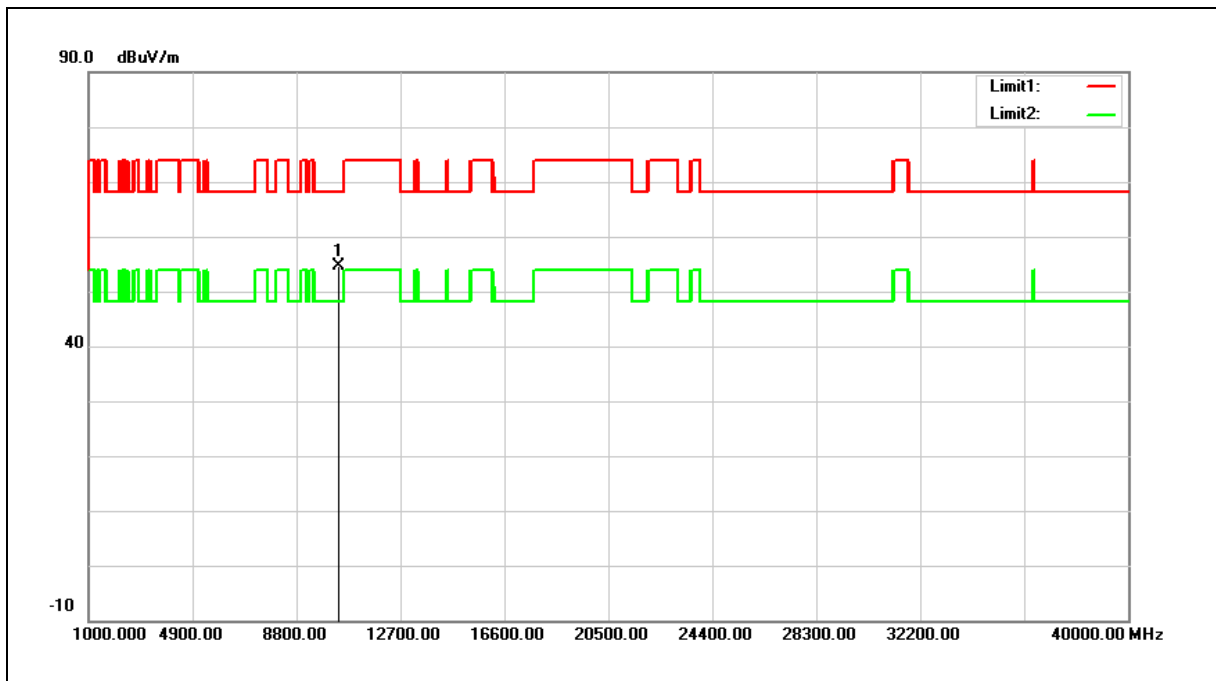
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	37.64	16.97	54.61	68.20	-13.59	peak

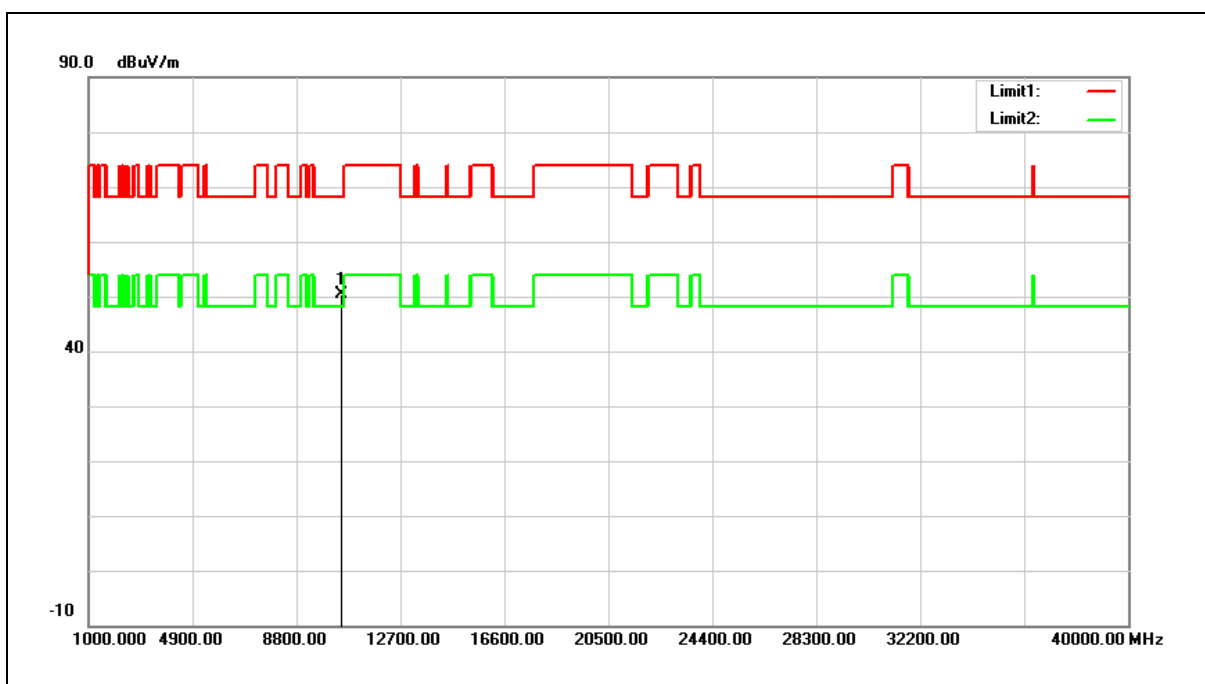
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



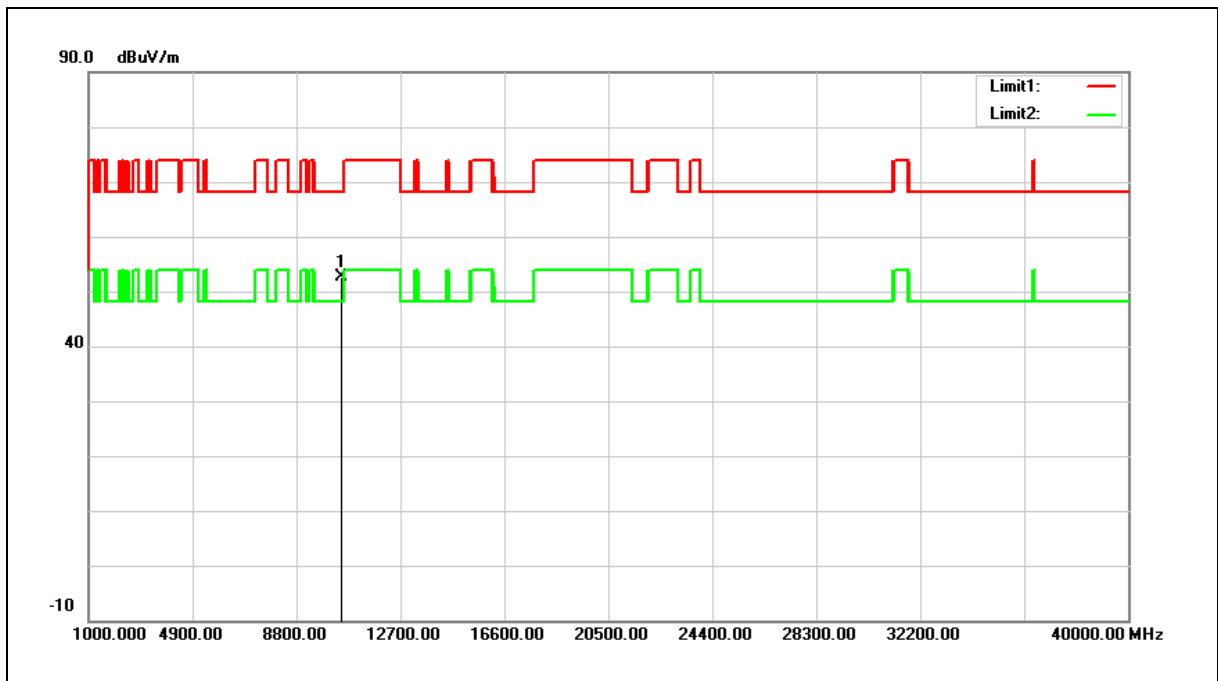
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	33.05	17.23	50.28	68.20	-17.92	peak

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

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

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

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



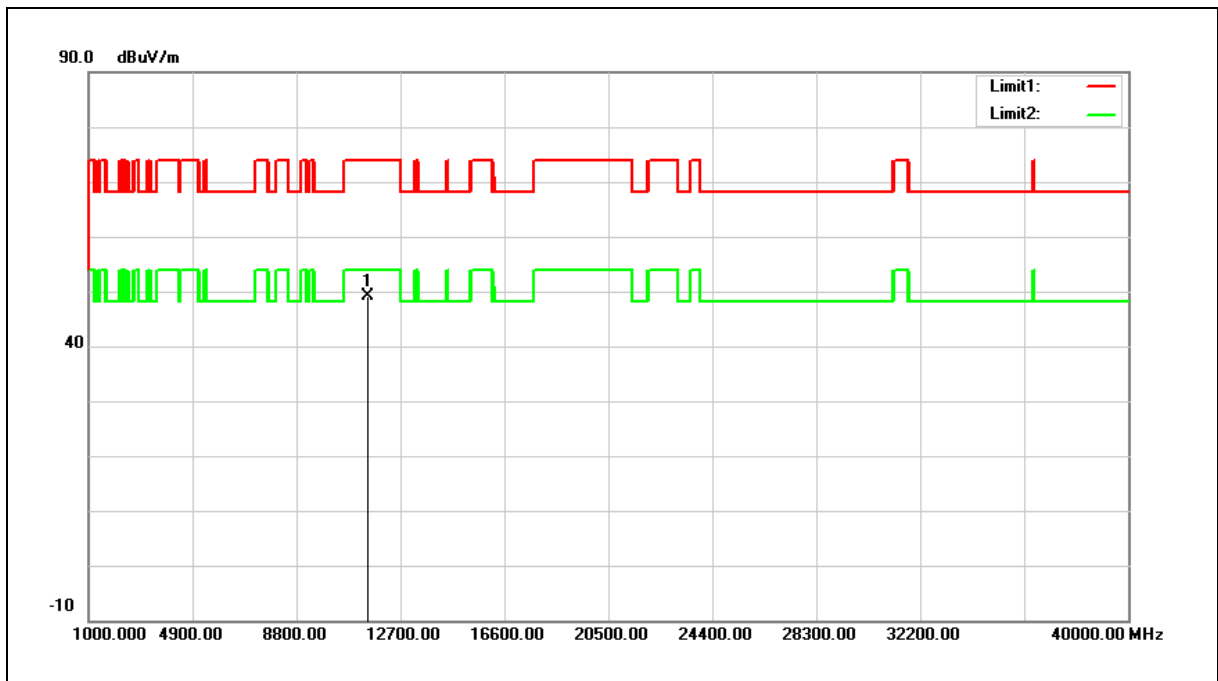
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.32	17.23	52.55	68.20	-15.65	peak

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

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

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

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



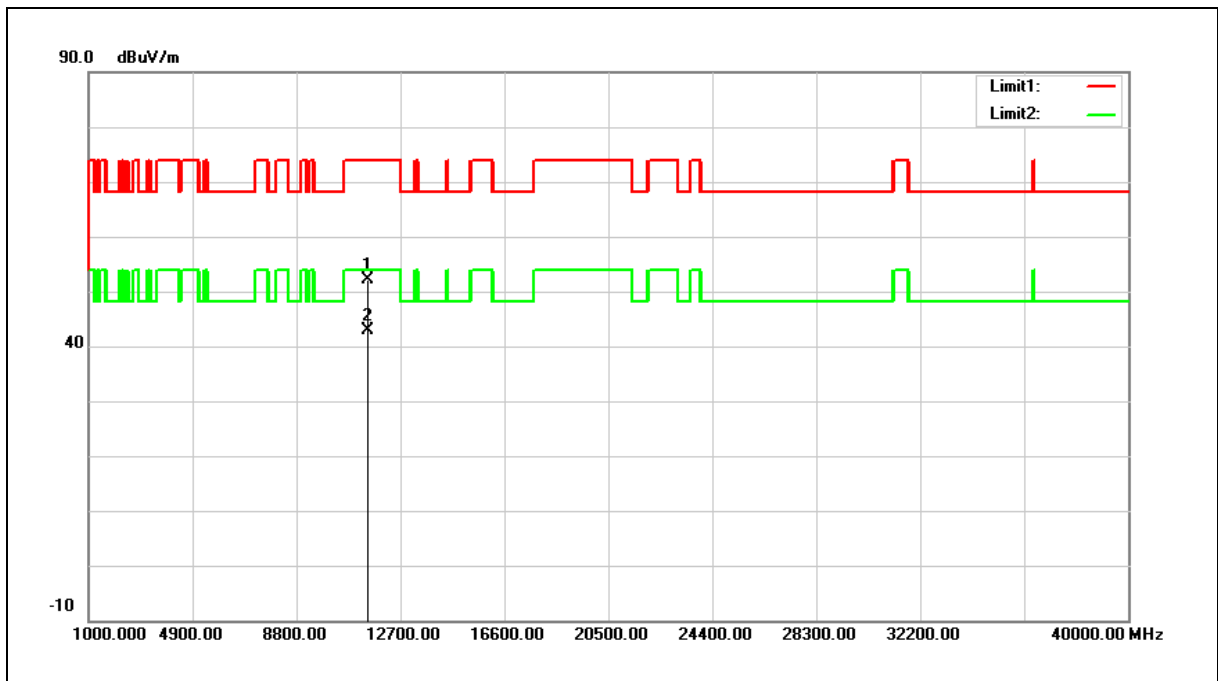
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	30.27	18.87	49.14	74.00	-24.86	peak

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

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

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

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



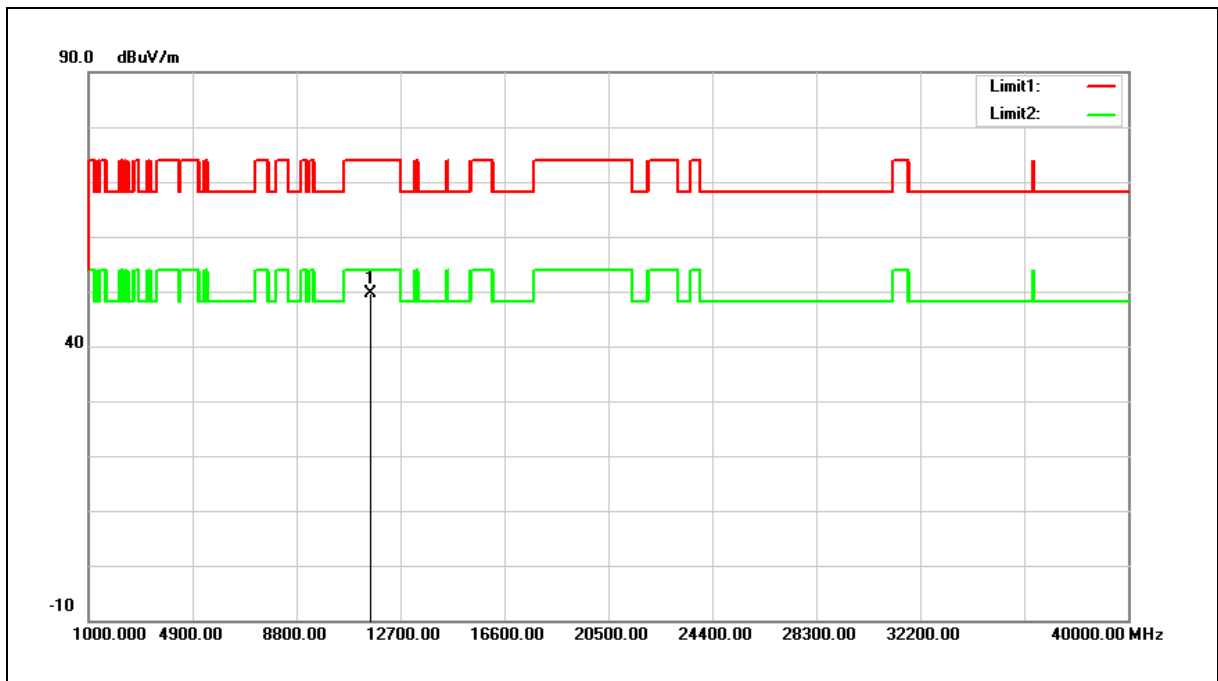
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	33.24	18.87	52.11	74.00	-21.89	peak
2	11490.000	24.07	18.87	42.94	54.00	-11.06	AVG

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



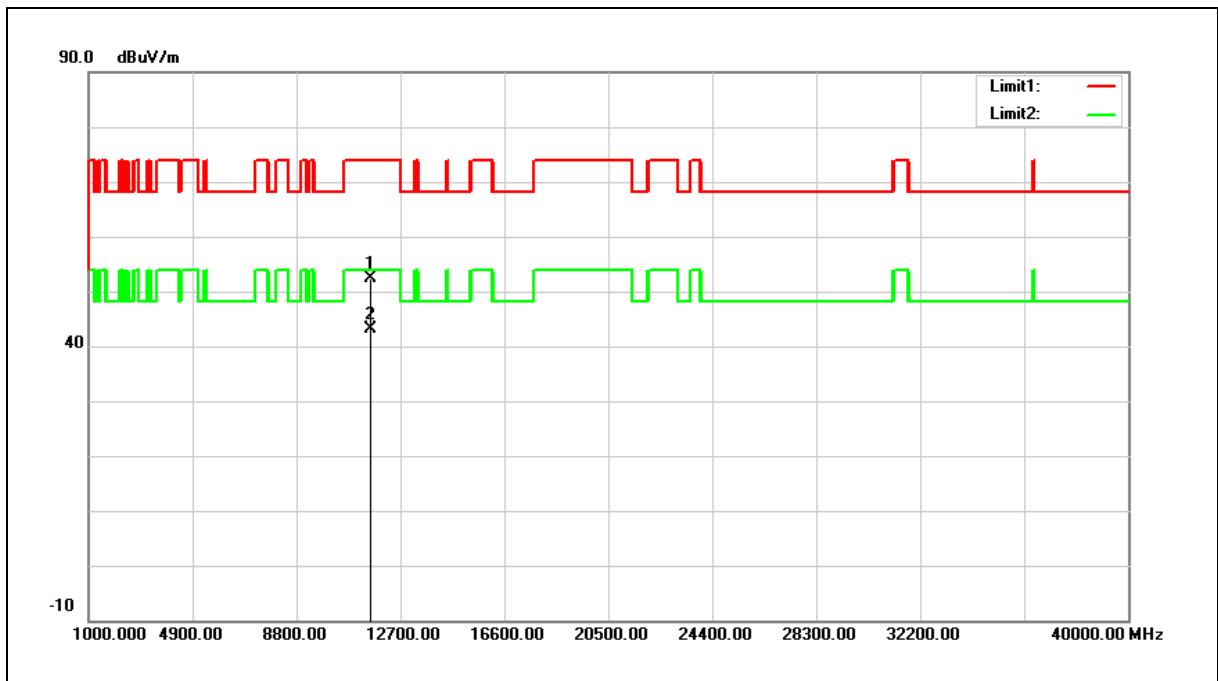
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	30.79	18.79	49.58	74.00	-24.42	peak

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

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

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

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



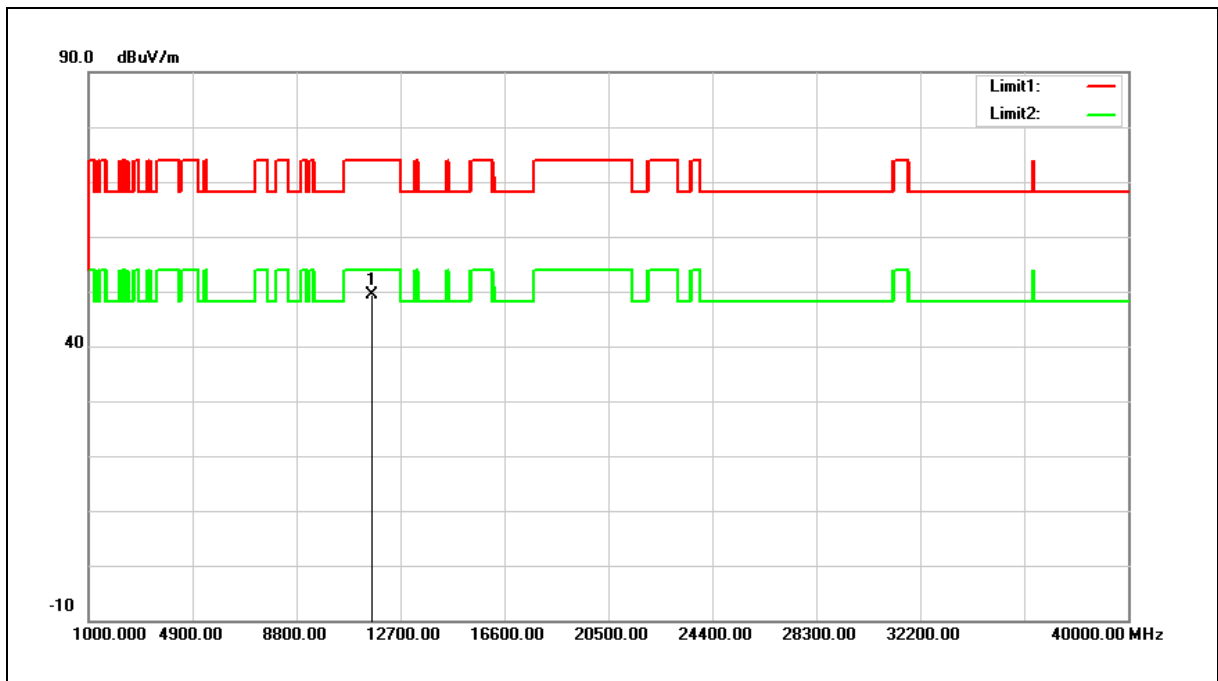
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	33.58	18.79	52.37	74.00	-21.63	peak
2	11570.000	24.38	18.79	43.17	54.00	-10.83	AVG

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

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

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

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



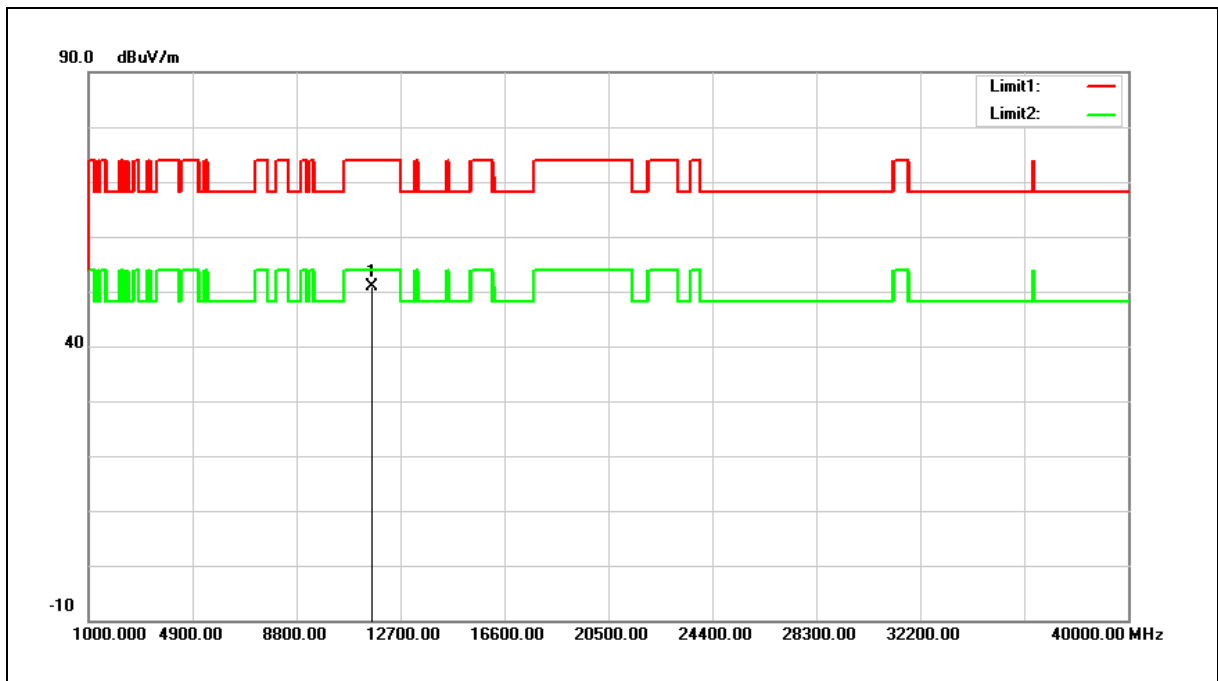
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	30.56	18.70	49.26	74.00	-24.74	peak

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

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

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

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



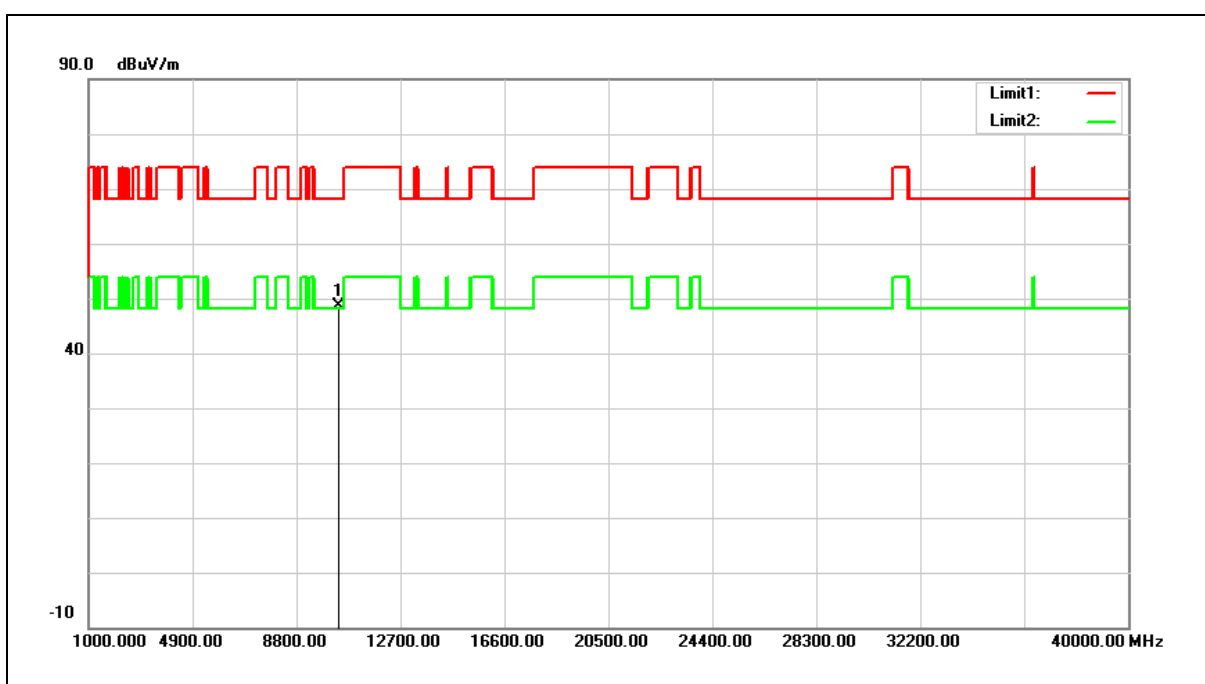
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	32.18	18.70	50.88	74.00	-23.12	peak

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

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

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

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



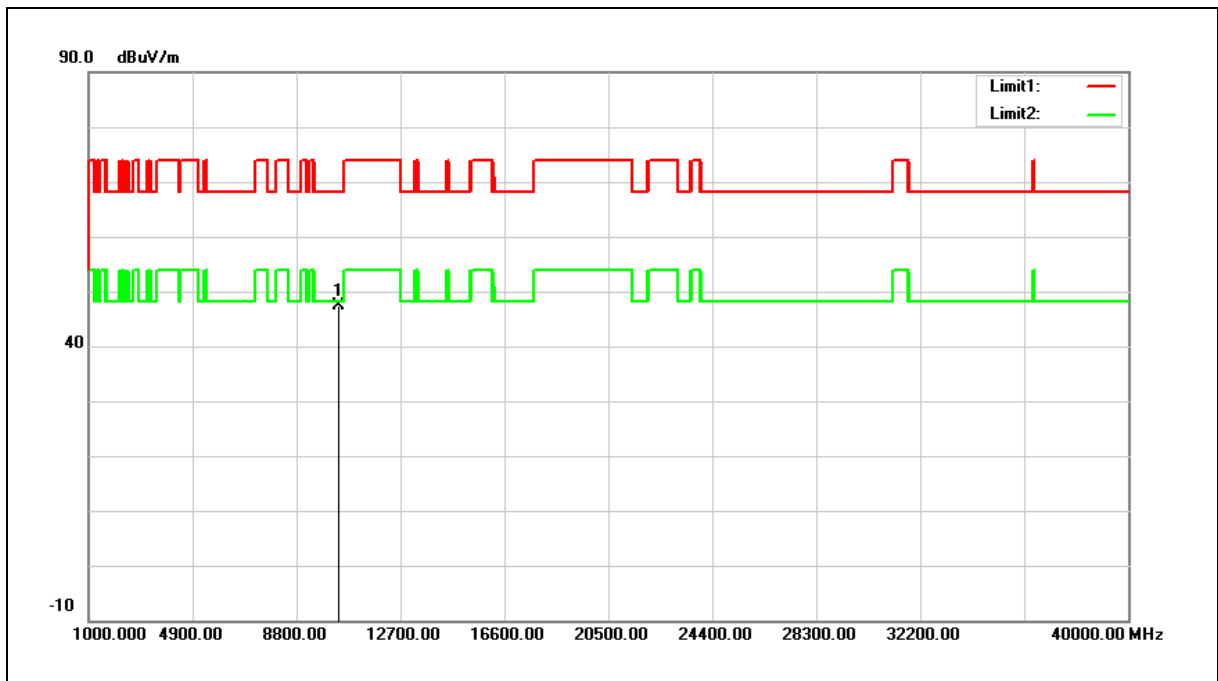
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	31.84	16.90	48.74	68.20	-19.46	peak

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

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

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

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



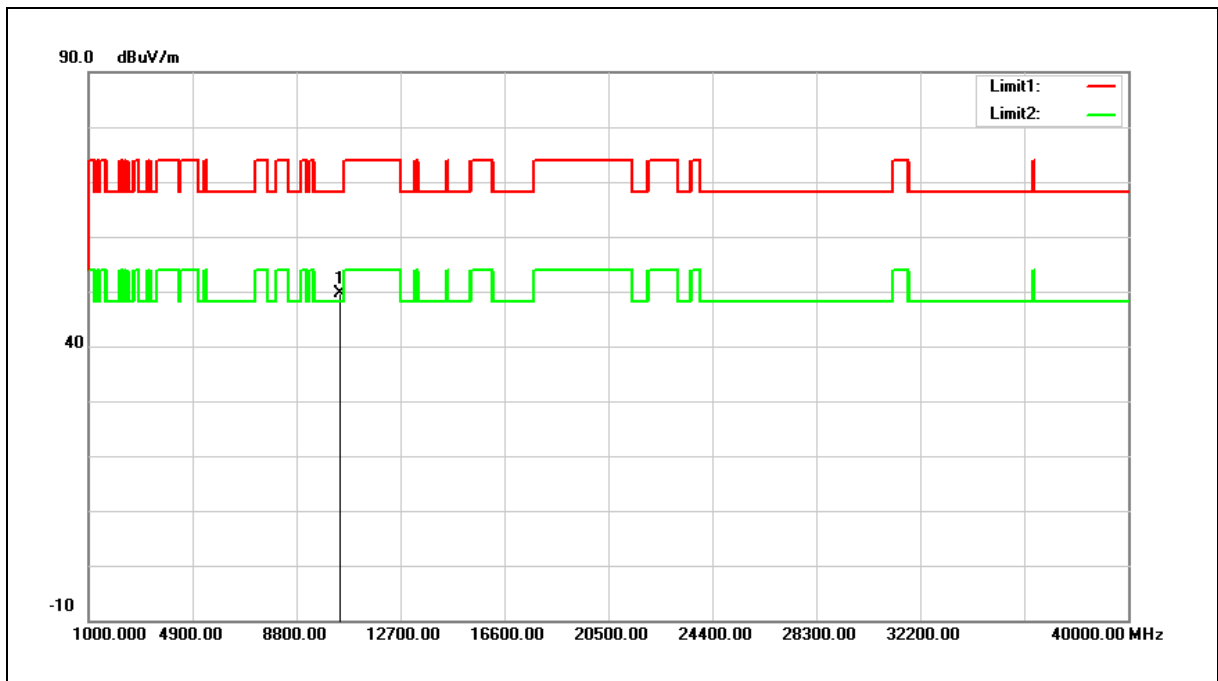
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	30.48	16.90	47.38	68.20	-20.82	peak

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

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

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

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



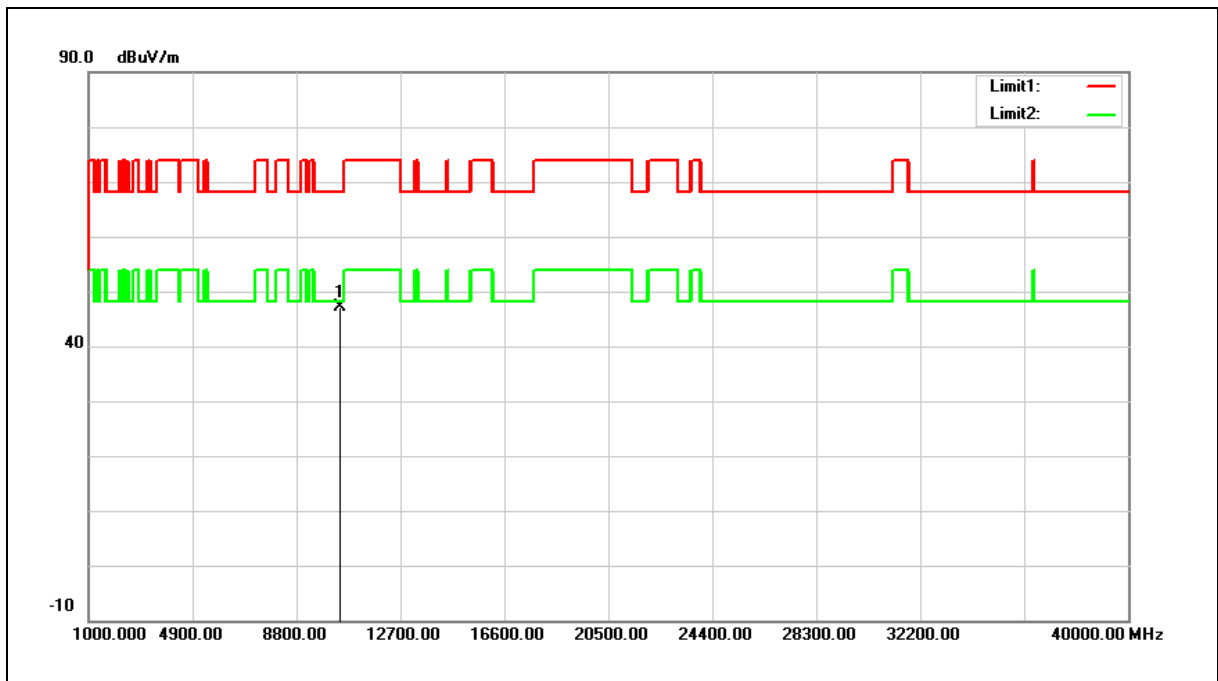
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.45	17.16	49.61	68.20	-18.59	peak

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

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

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

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



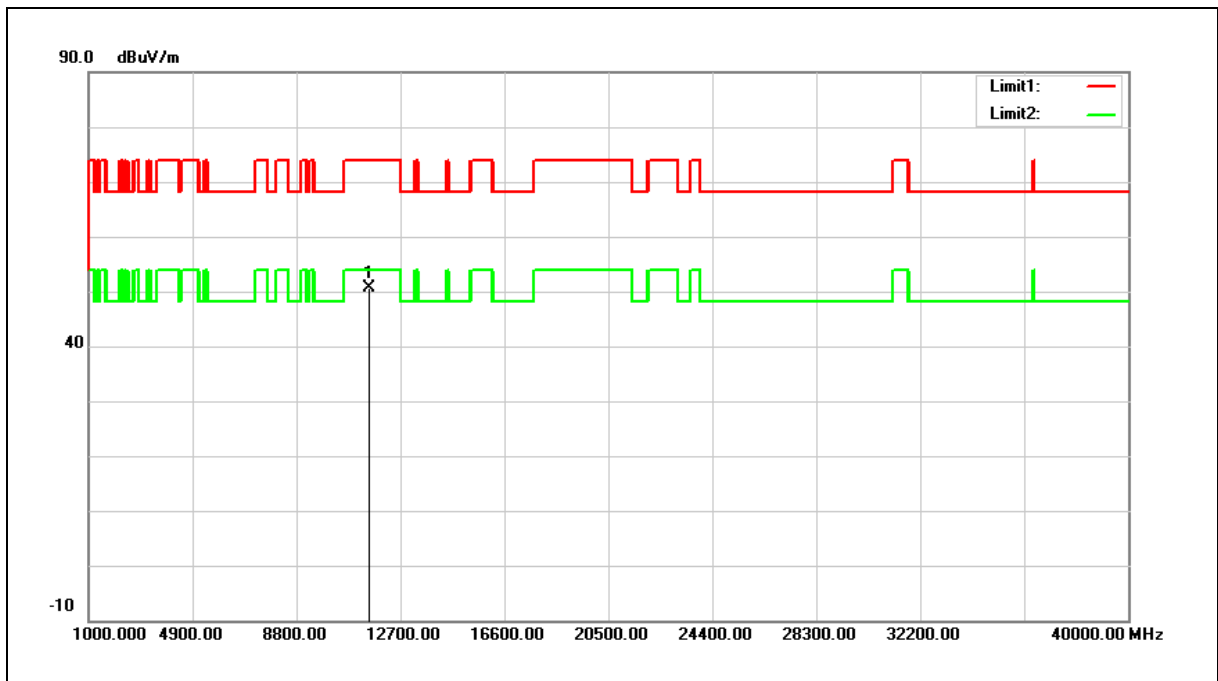
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	30.07	17.16	47.23	68.20	-20.97	peak

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

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

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

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



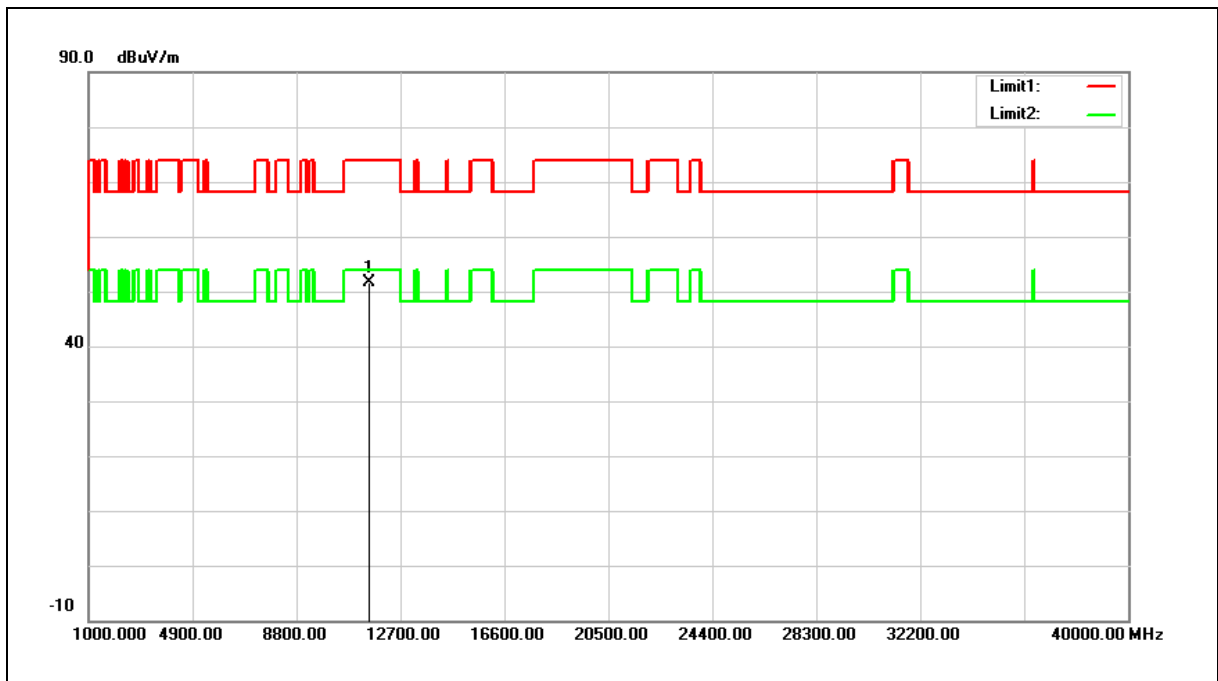
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	31.76	18.87	50.63	74.00	-23.37	peak

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

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

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

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



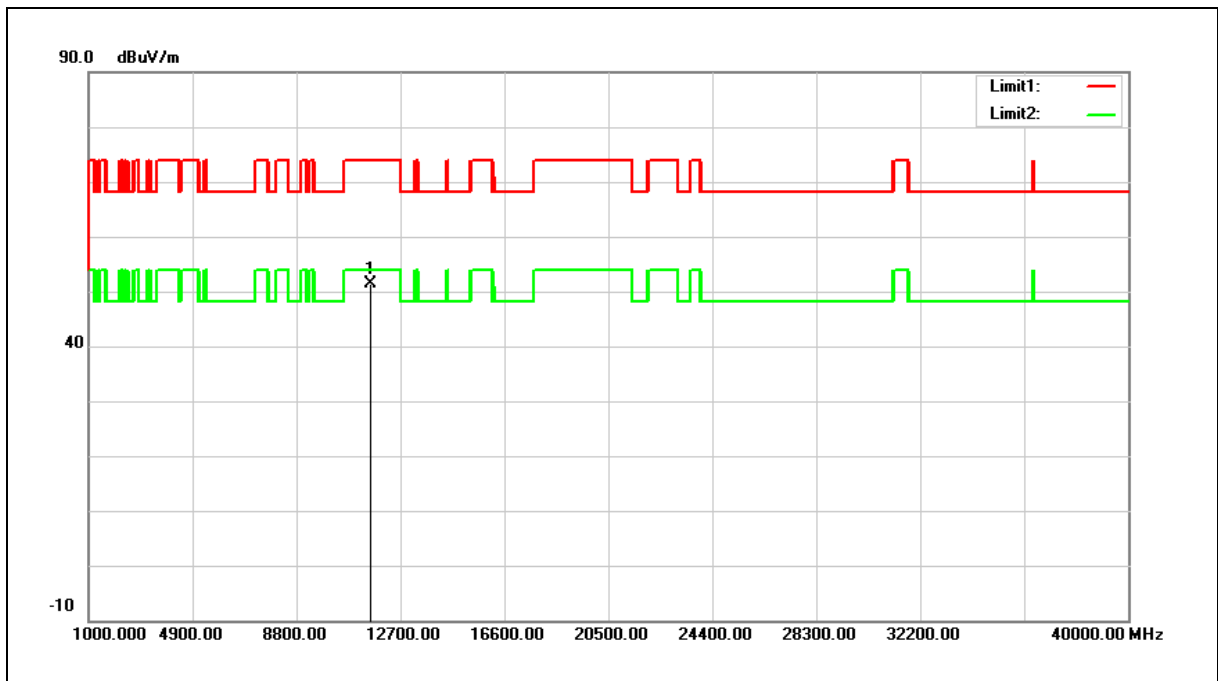
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	32.83	18.87	51.70	74.00	-22.30	peak

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

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

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

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



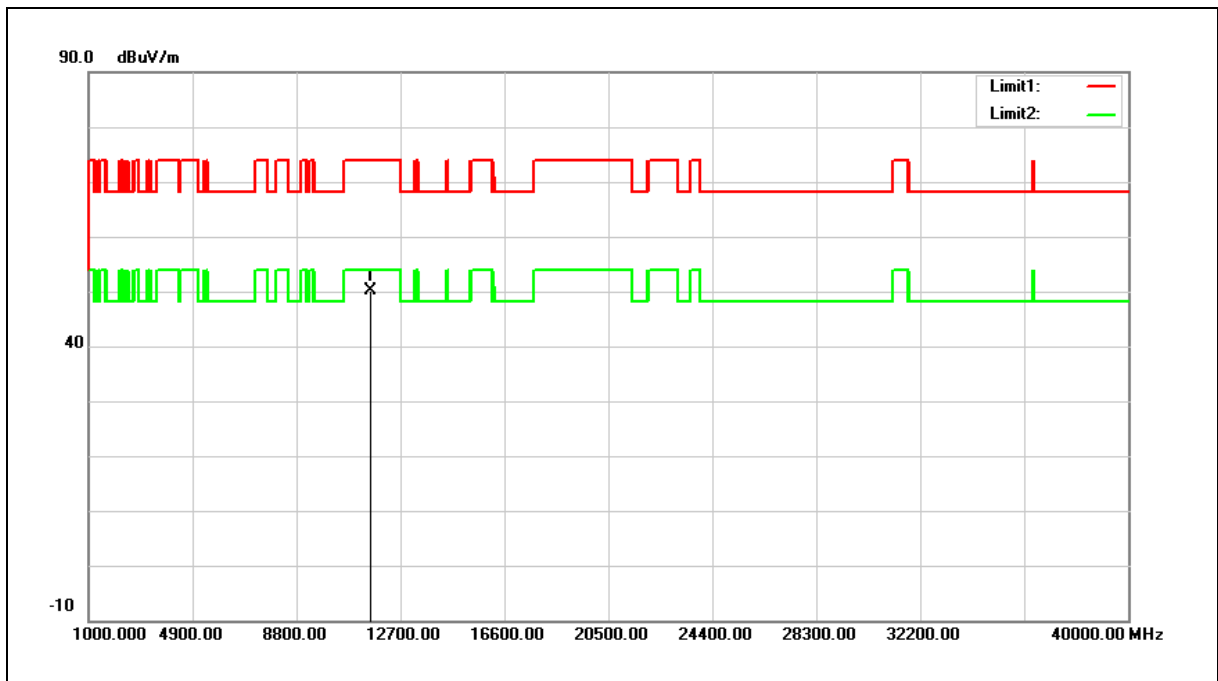
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	32.61	18.77	51.38	74.00	-22.62	peak

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

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

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

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



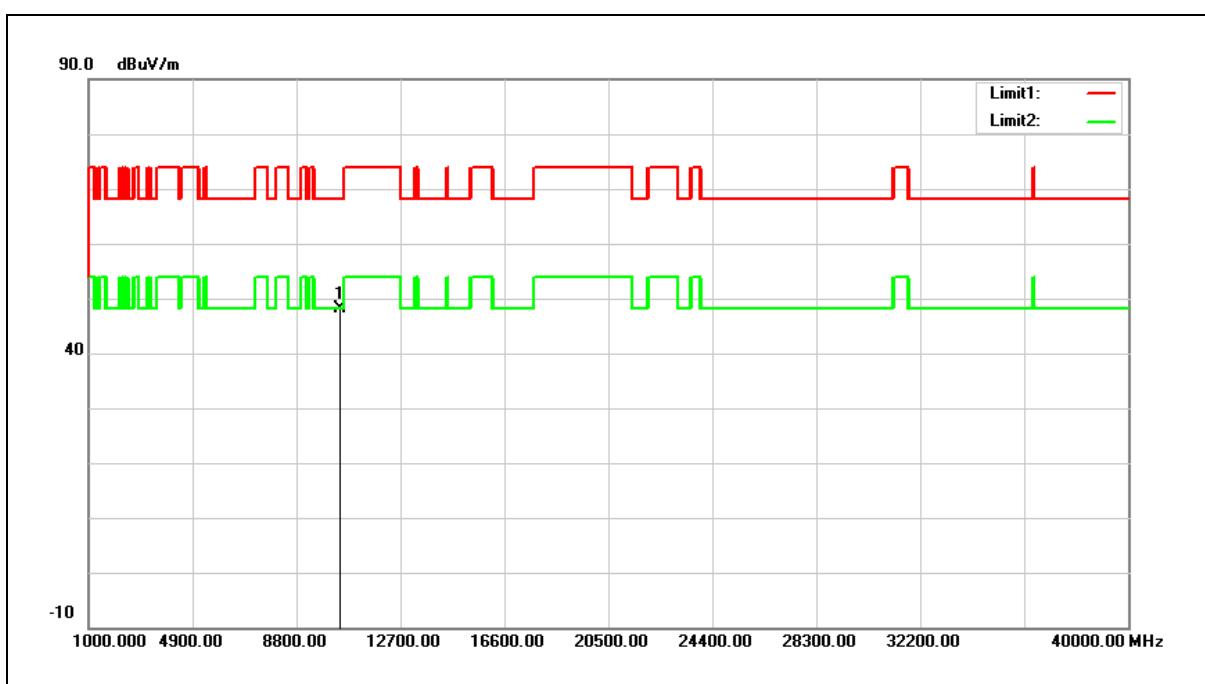
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.31	18.77	50.08	74.00	-23.92	peak

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

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

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

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



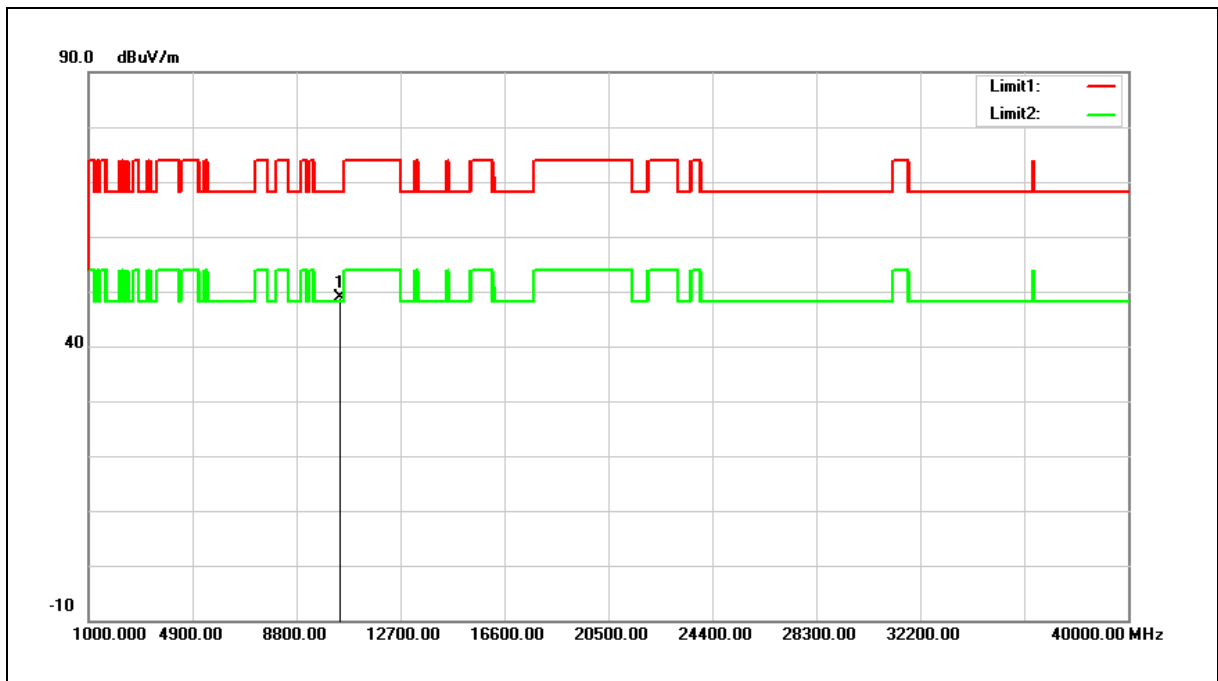
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.11	17.03	48.14	68.20	-20.06	peak

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

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

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

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



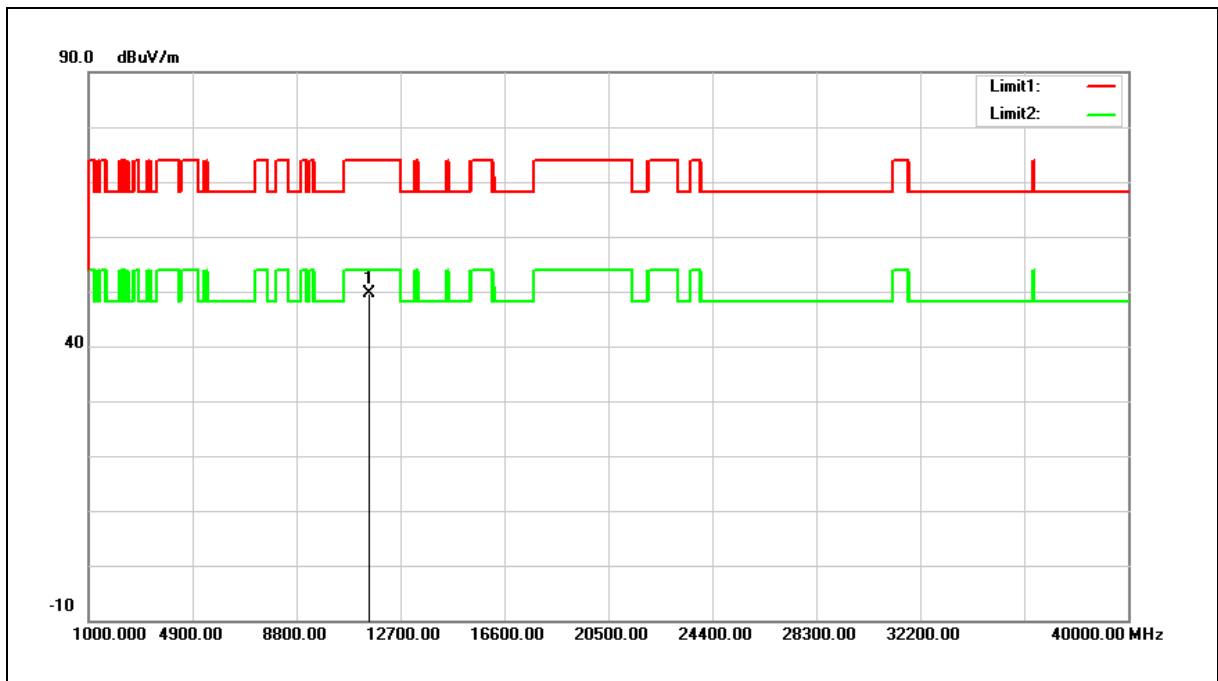
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.93	17.03	48.96	68.20	-19.24	peak

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

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

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

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



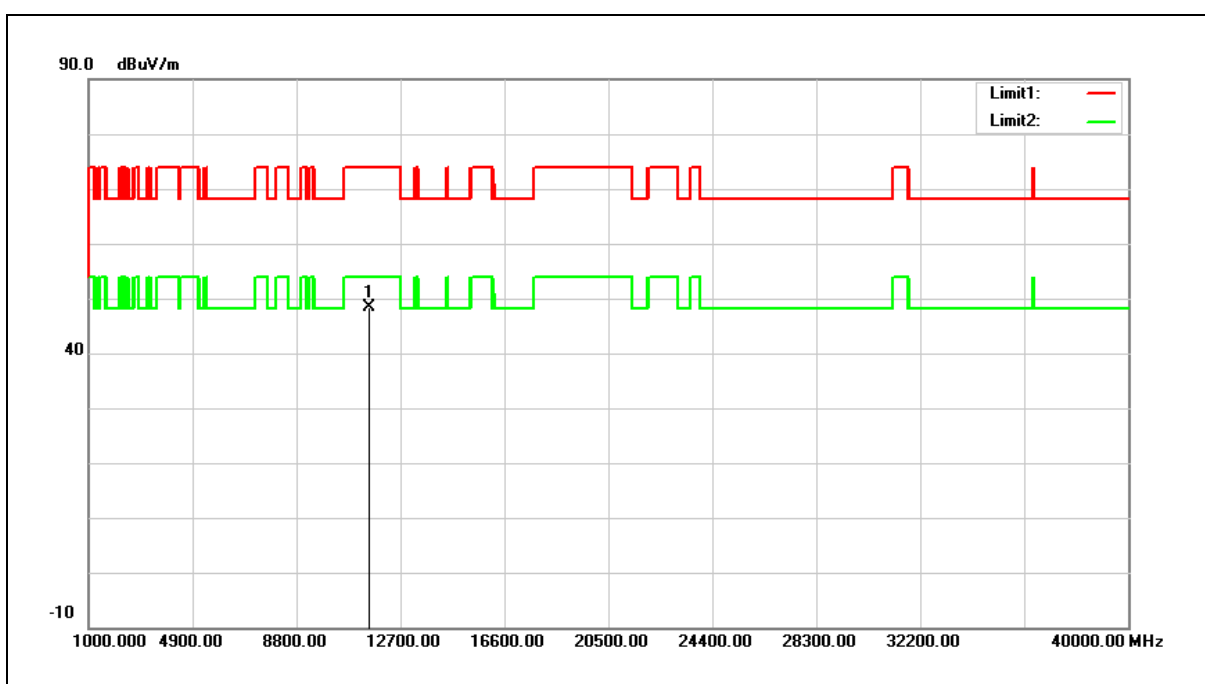
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	30.80	18.82	49.62	74.00	-24.38	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	29.61	18.82	48.43	74.00	-25.57	peak

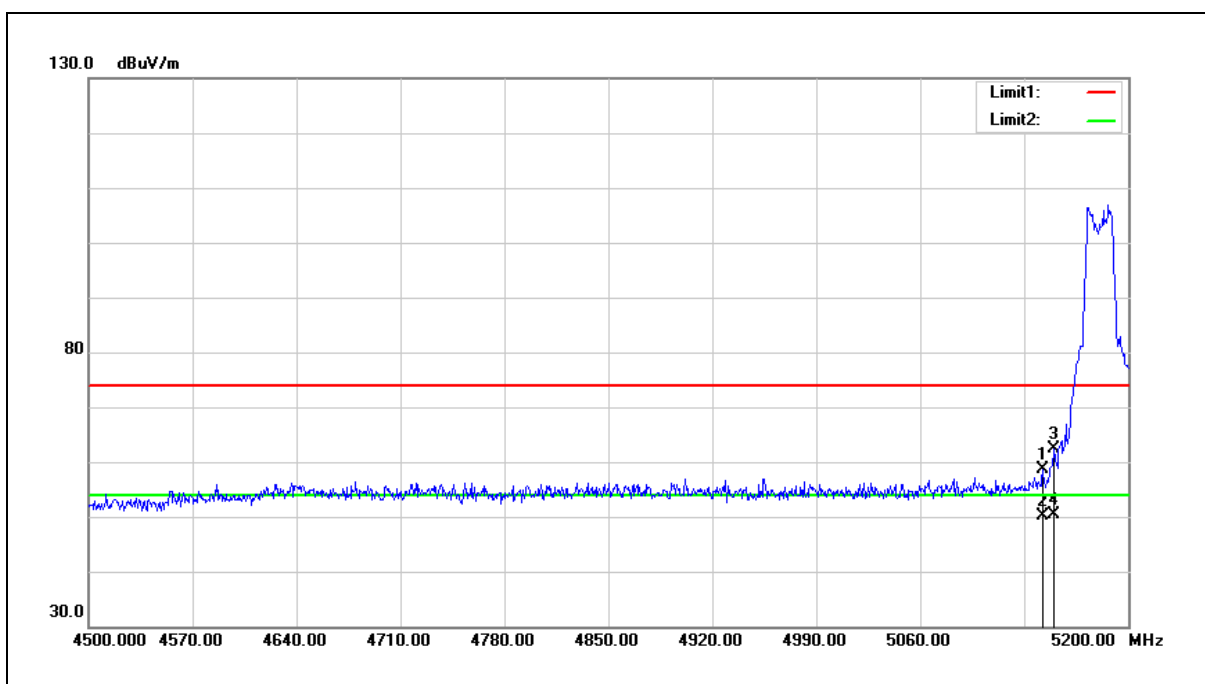
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Band Edge

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



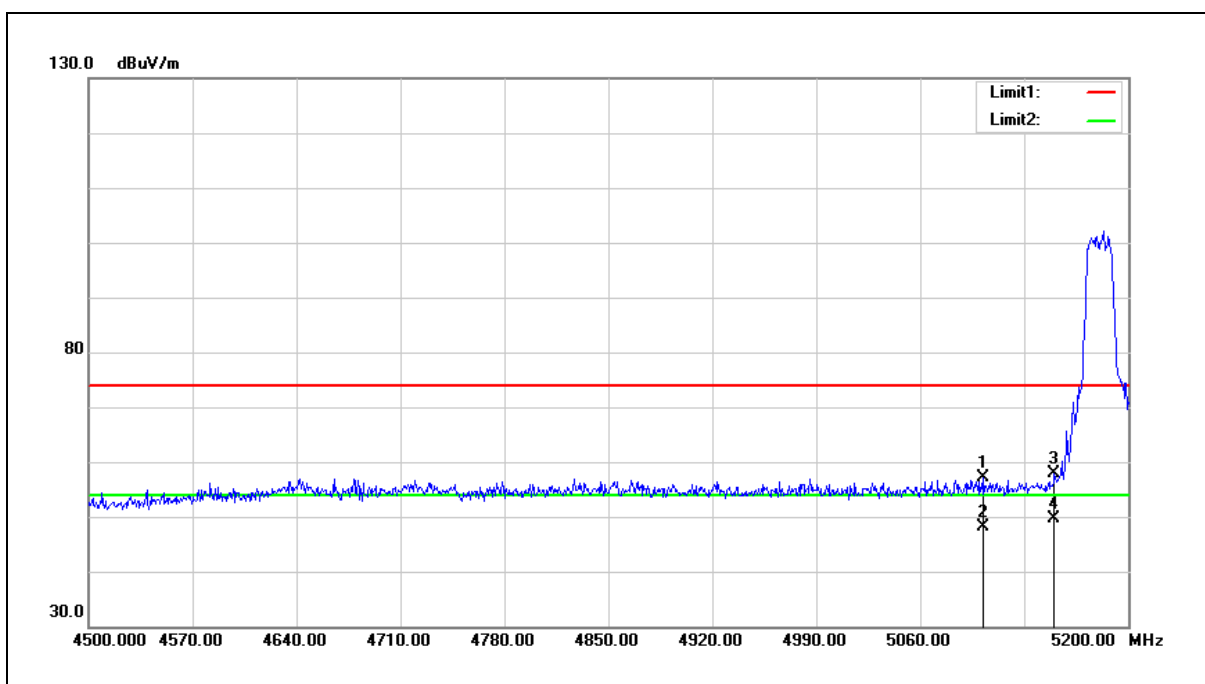
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.600	52.56	6.13	58.69	74.00	-15.31	peak
2	5142.600	44.01	6.13	50.14	54.00	-3.86	AVG
3	5150.000	56.12	6.14	62.26	74.00	-11.74	peak
4	5150.000	44.30	6.14	50.44	54.00	-3.56	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5102.700	51.03	6.06	57.09	74.00	-16.91	peak
2	5102.700	42.17	6.06	48.23	54.00	-5.77	AVG
3	5150.000	51.82	6.14	57.96	74.00	-16.04	peak
4	5150.000	43.47	6.14	49.61	54.00	-4.39	AVG

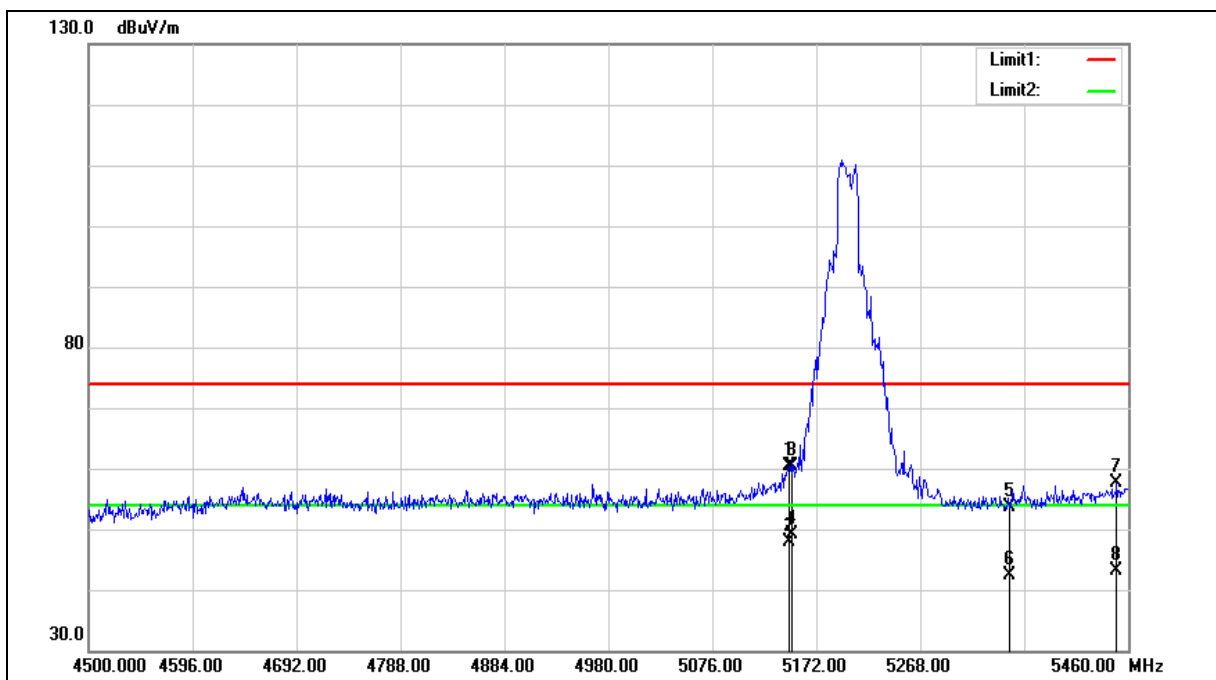
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.040	54.29	6.13	60.42	74.00	-13.58	peak
2	5147.040	41.70	6.13	47.83	54.00	-6.17	AVG
3	5150.000	54.25	6.14	60.39	74.00	-13.61	peak
4	5150.000	43.09	6.14	49.23	54.00	-4.77	AVG
5	5350.000	47.18	6.46	53.64	74.00	-20.36	peak
6	5350.000	36.02	6.46	42.48	54.00	-11.52	AVG
7	5449.440	51.08	6.62	57.70	74.00	-16.30	peak
8	5449.440	36.52	6.62	43.14	54.00	-10.86	AVG

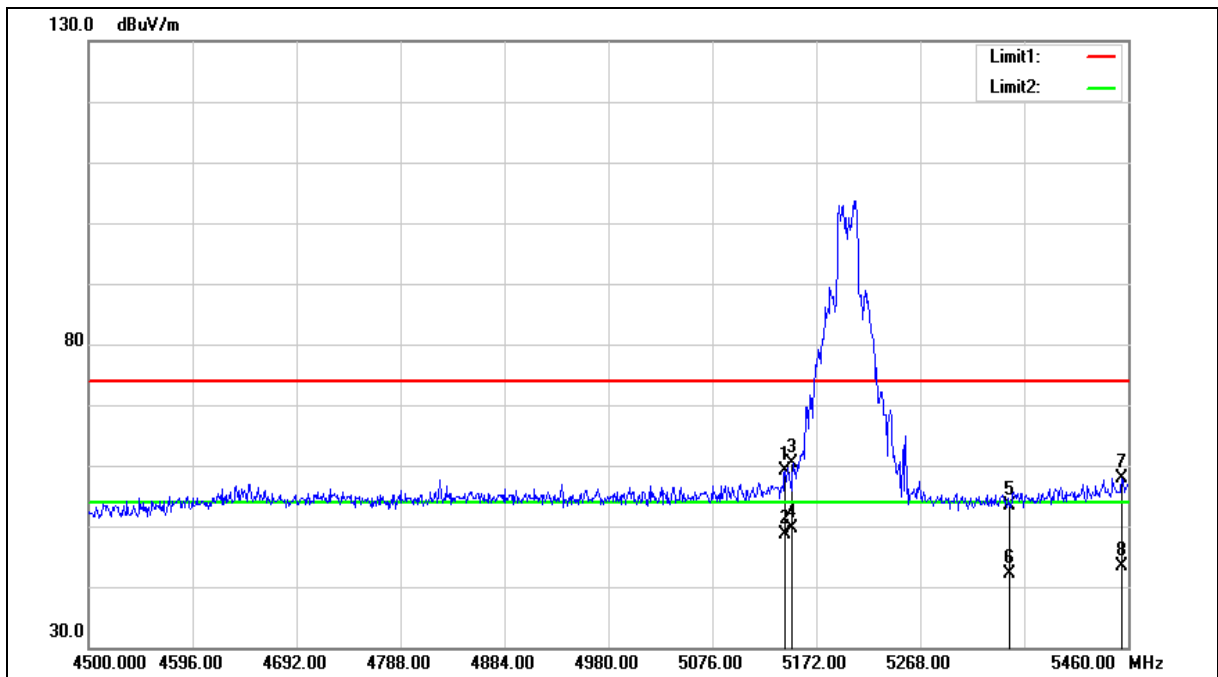
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.200	52.91	6.13	59.04	74.00	-14.96	peak
2	5143.200	42.56	6.13	48.69	54.00	-5.31	AVG
3	5150.000	54.19	6.14	60.33	74.00	-13.67	peak
4	5150.000	43.57	6.14	49.71	54.00	-4.29	AVG
5	5350.000	46.95	6.46	53.41	74.00	-20.59	peak
6	5350.000	35.73	6.46	42.19	54.00	-11.81	AVG
7	5454.240	51.32	6.63	57.95	74.00	-16.05	peak
8	5454.240	36.63	6.63	43.26	54.00	-10.74	AVG

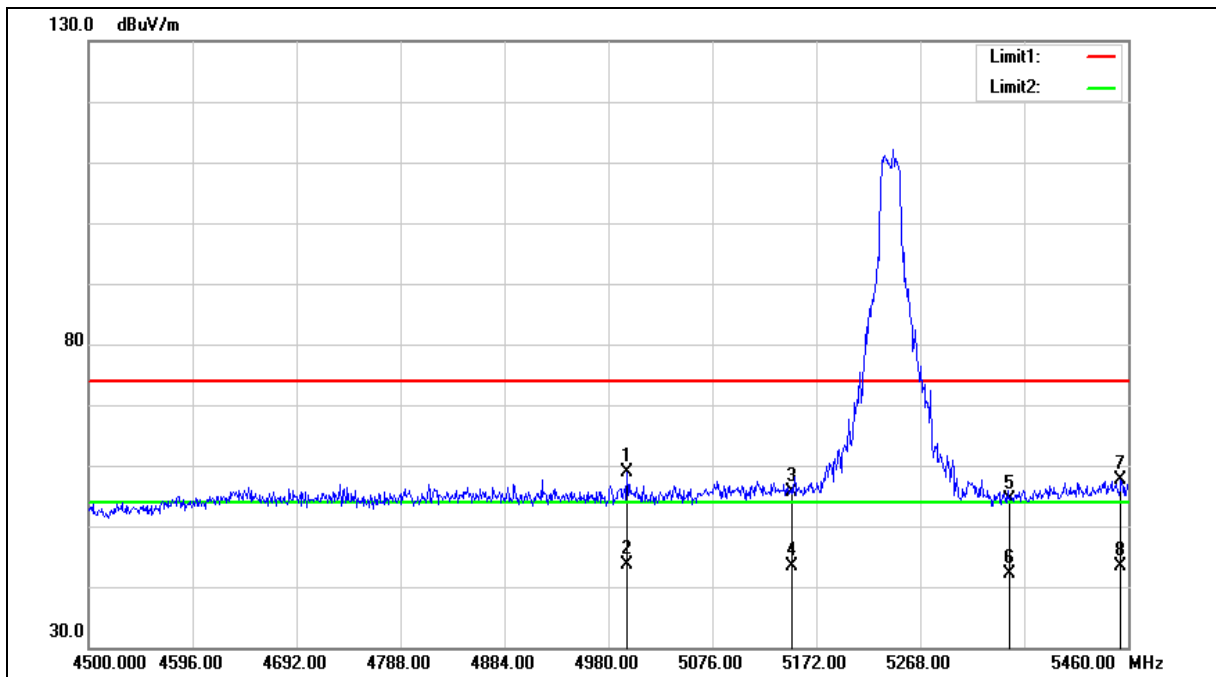
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4997.280	53.01	5.88	58.89	74.00	-15.11	peak
2	4997.280	37.73	5.88	43.61	54.00	-10.39	AVG
3	5150.000	49.55	6.14	55.69	74.00	-18.31	peak
4	5150.000	37.15	6.14	43.29	54.00	-10.71	AVG
5	5350.000	47.97	6.46	54.43	74.00	-19.57	peak
6	5350.000	35.73	6.46	42.19	54.00	-11.81	AVG
7	5453.280	50.91	6.62	57.53	74.00	-16.47	peak
8	5453.280	36.84	6.62	43.46	54.00	-10.54	AVG

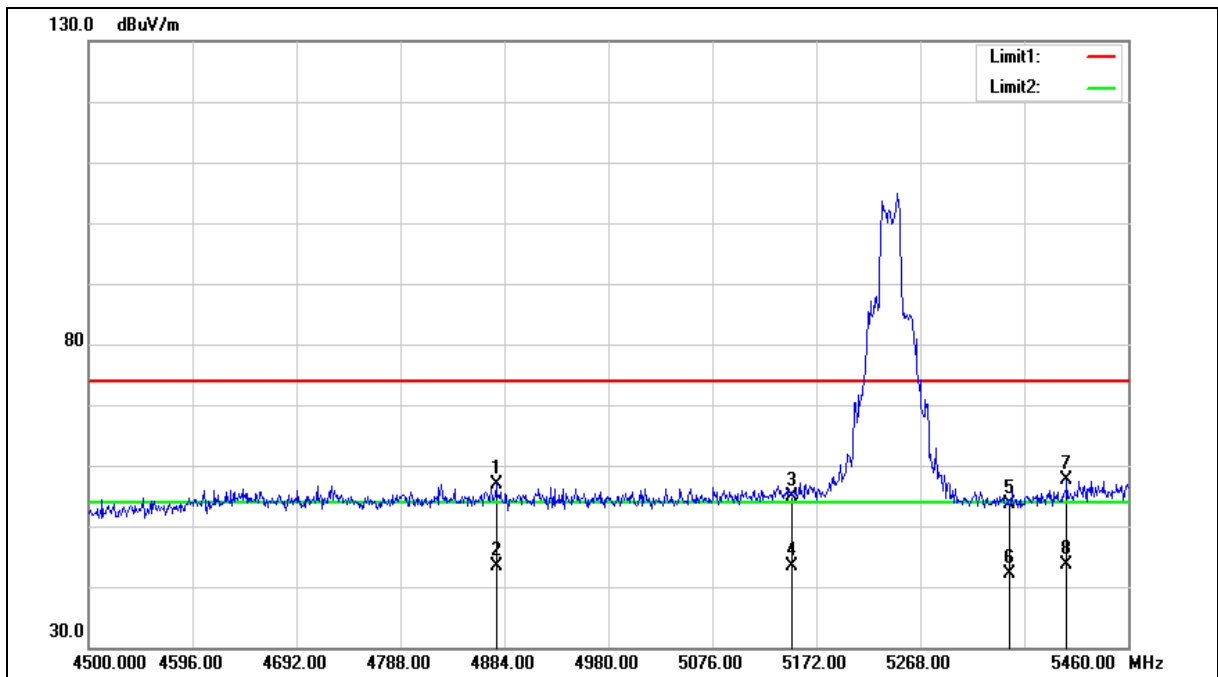
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

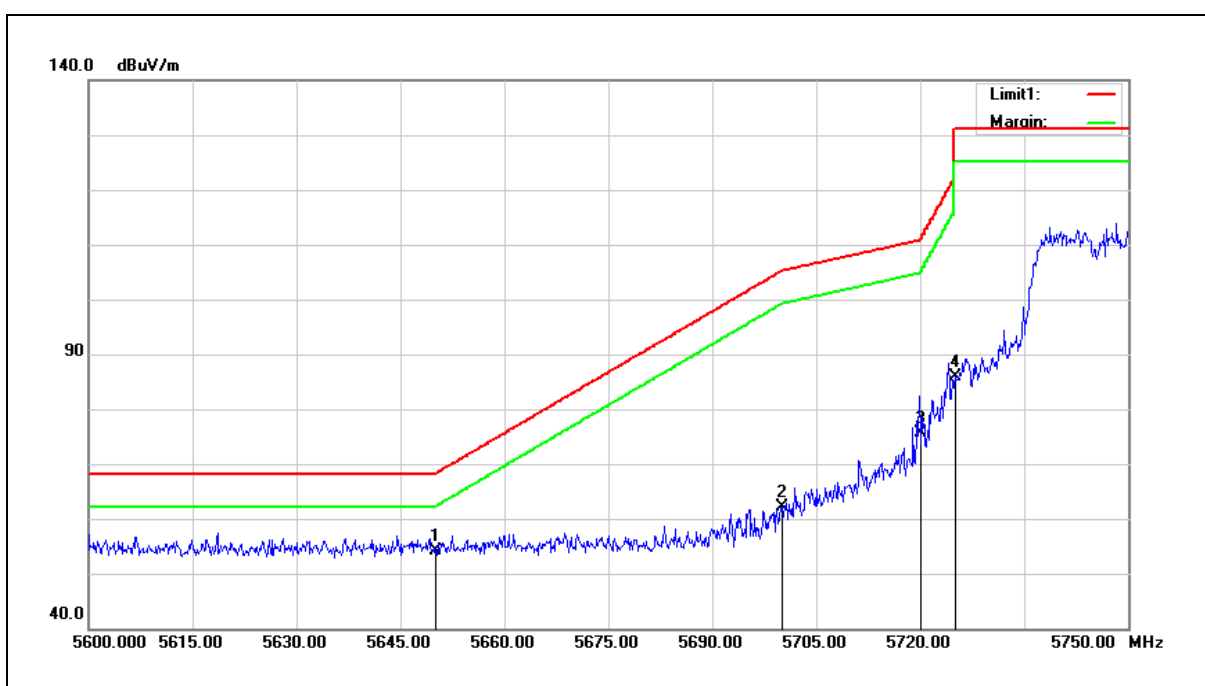
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4876.320	51.48	5.52	57.00	74.00	-17.00	peak
2	4876.320	37.87	5.52	43.39	54.00	-10.61	AVG
3	5150.000	48.80	6.14	54.94	74.00	-19.06	peak
4	5150.000	37.35	6.14	43.49	54.00	-10.51	AVG
5	5350.000	47.22	6.46	53.68	74.00	-20.32	peak
6	5350.000	35.68	6.46	42.14	54.00	-11.86	AVG
7	5403.360	51.19	6.55	57.74	74.00	-16.26	peak
8	5403.360	36.96	6.55	43.51	54.00	-10.49	AVG

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

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

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

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



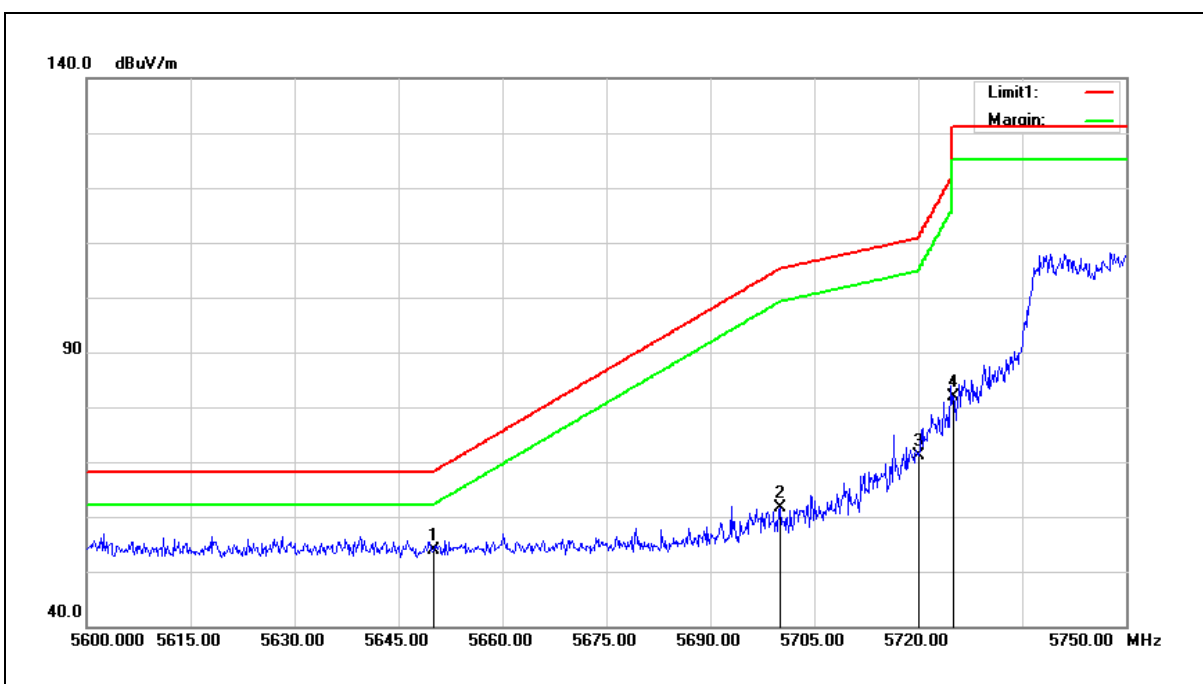
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.20	6.98	54.18	68.20	-14.02	peak
2	5700.000	54.98	7.07	62.05	105.20	-43.15	peak
3	5720.000	68.51	7.12	75.63	110.80	-35.17	peak
4	5725.000	78.85	7.13	85.98	122.20	-36.22	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.89	6.98	53.87	68.20	-14.33	peak
2	5700.000	54.64	7.07	61.71	105.20	-43.49	peak
3	5720.000	63.97	7.12	71.09	110.80	-39.71	peak
4	5725.000	74.63	7.13	81.76	122.20	-40.44	peak

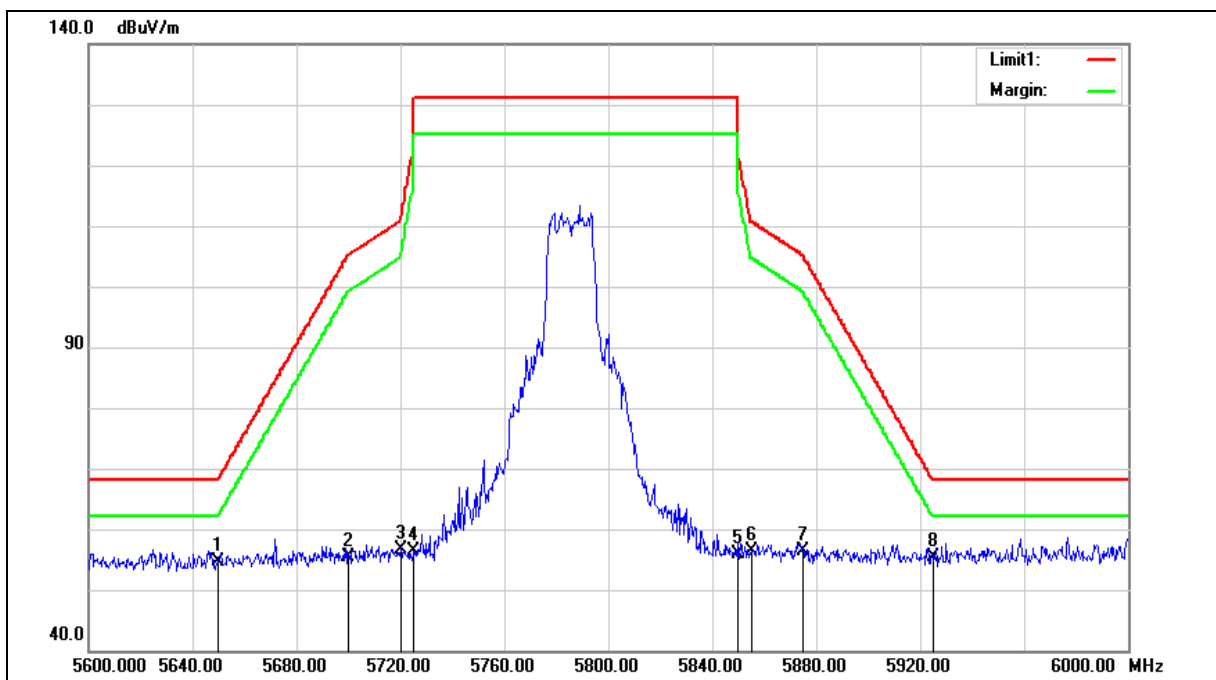
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.59	6.98	54.57	68.20	-13.63	peak
2	5700.000	48.27	7.07	55.34	105.20	-49.86	peak
3	5720.000	49.53	7.12	56.65	110.80	-54.15	peak
4	5725.000	49.13	7.13	56.26	122.20	-65.94	peak
5	5850.000	48.56	7.36	55.92	122.20	-66.28	peak
6	5855.000	49.10	7.37	56.47	110.80	-54.33	peak
7	5875.000	49.02	7.40	56.42	105.20	-48.78	peak
8	5925.000	47.95	7.50	55.45	68.20	-12.75	peak

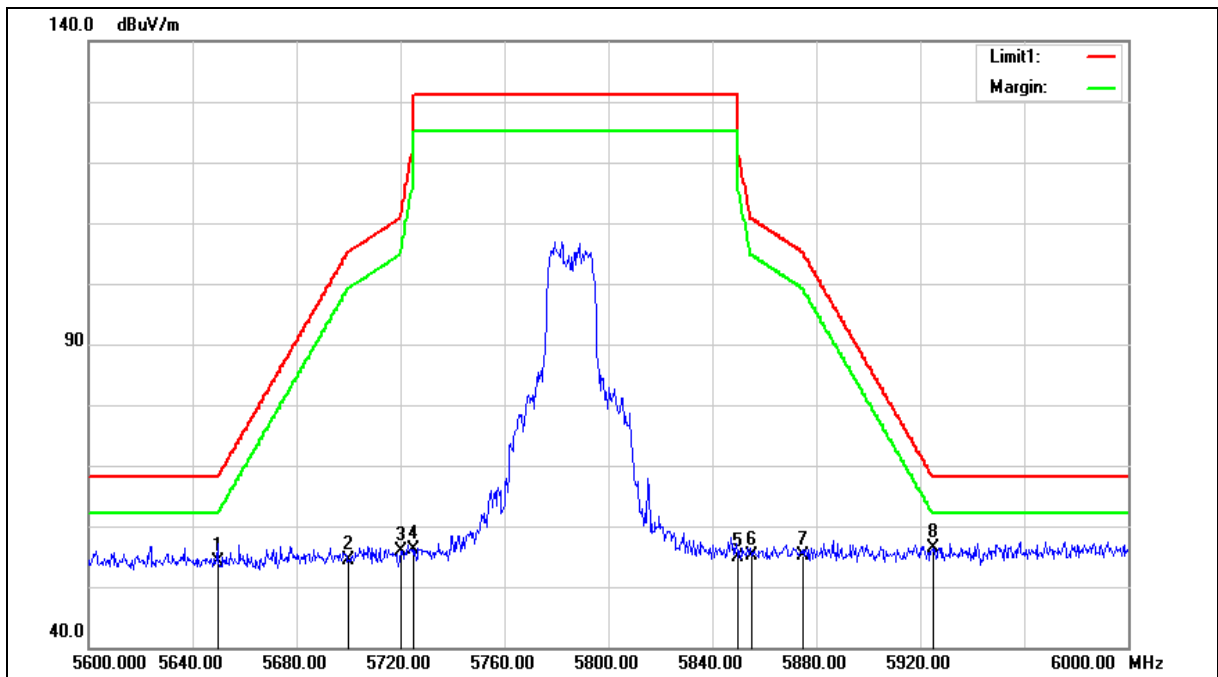
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

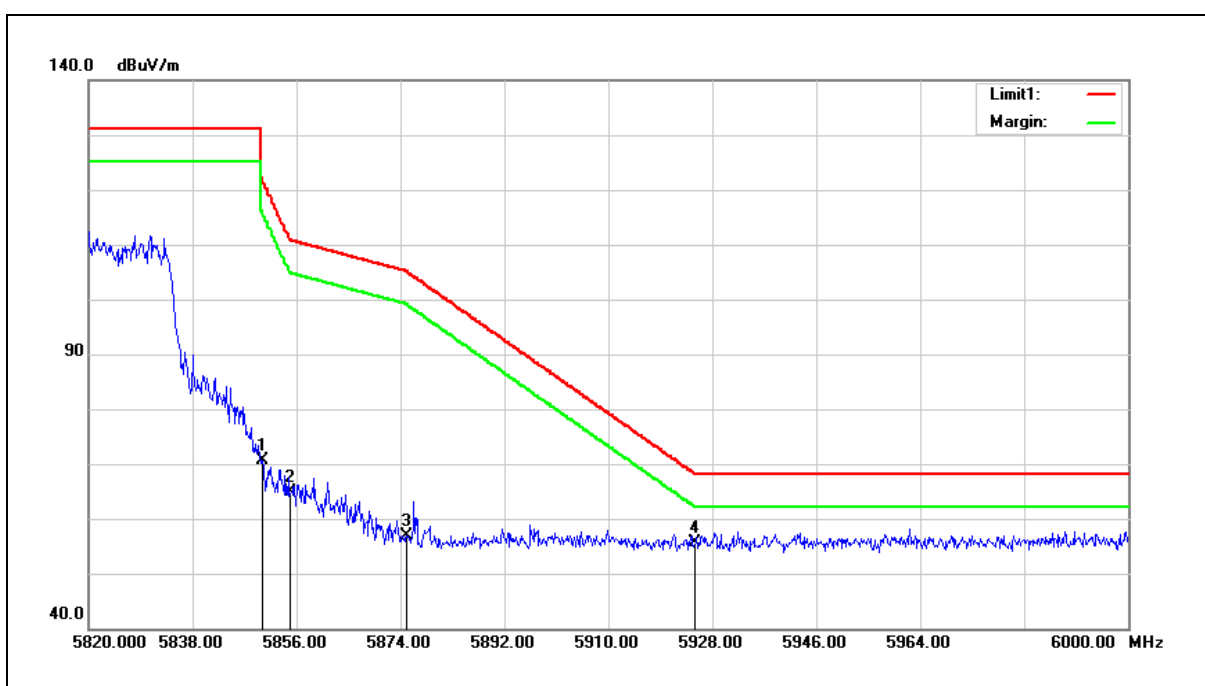
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.14	6.98	54.12	68.20	-14.08	peak
2	5700.000	47.19	7.07	54.26	105.20	-50.94	peak
3	5720.000	48.87	7.12	55.99	110.80	-54.81	peak
4	5725.000	49.09	7.13	56.22	122.20	-65.98	peak
5	5850.000	47.63	7.36	54.99	122.20	-67.21	peak
6	5855.000	47.77	7.37	55.14	110.80	-55.66	peak
7	5875.000	47.80	7.40	55.20	105.20	-50.00	peak
8	5925.000	48.95	7.50	56.45	68.20	-11.75	peak

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

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

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

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



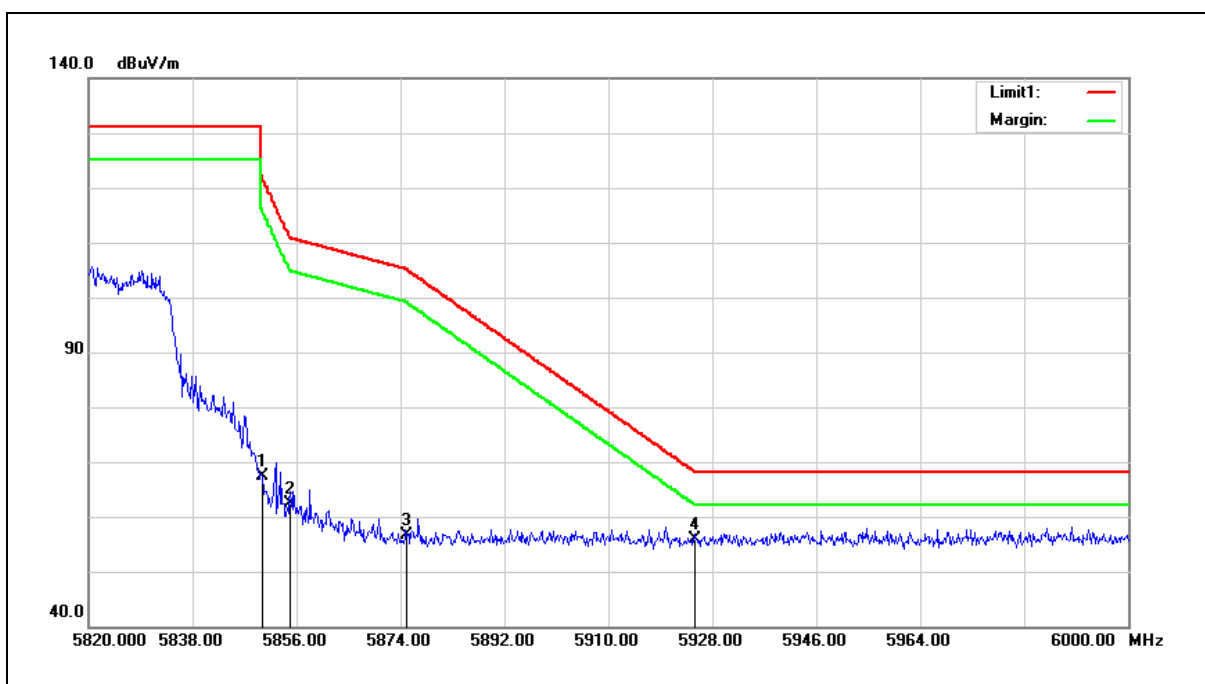
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	63.17	7.36	70.53	122.20	-51.67	peak
2	5855.000	57.55	7.37	64.92	110.80	-45.88	peak
3	5875.000	49.42	7.40	56.82	105.20	-48.38	peak
4	5925.000	48.04	7.50	55.54	68.20	-12.66	peak

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

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

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

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



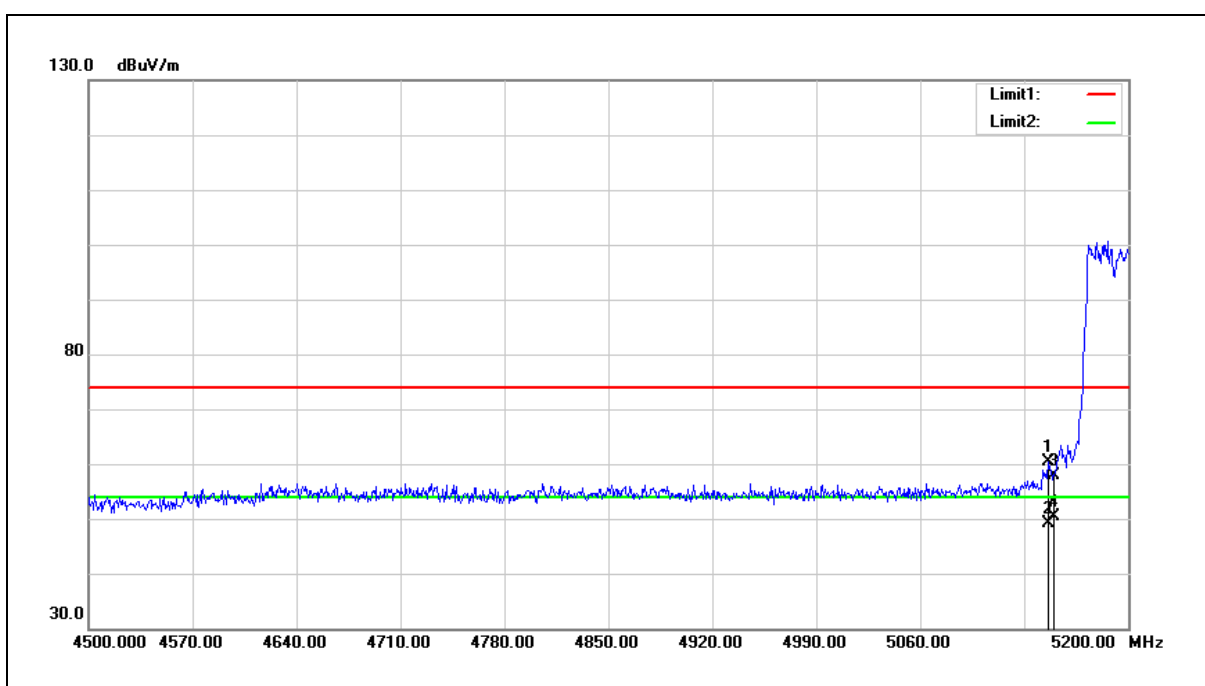
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	59.98	7.36	67.34	122.20	-54.86	peak
2	5855.000	55.08	7.37	62.45	110.80	-48.35	peak
3	5875.000	49.16	7.40	56.56	105.20	-48.64	peak
4	5925.000	48.42	7.50	55.92	68.20	-12.28	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.100	54.23	6.13	60.36	74.00	-13.64	peak
2	5146.100	43.00	6.13	49.13	54.00	-4.87	AVG
3	5150.000	51.71	6.14	57.85	74.00	-16.15	peak
4	5150.000	44.29	6.14	50.43	54.00	-3.57	AVG

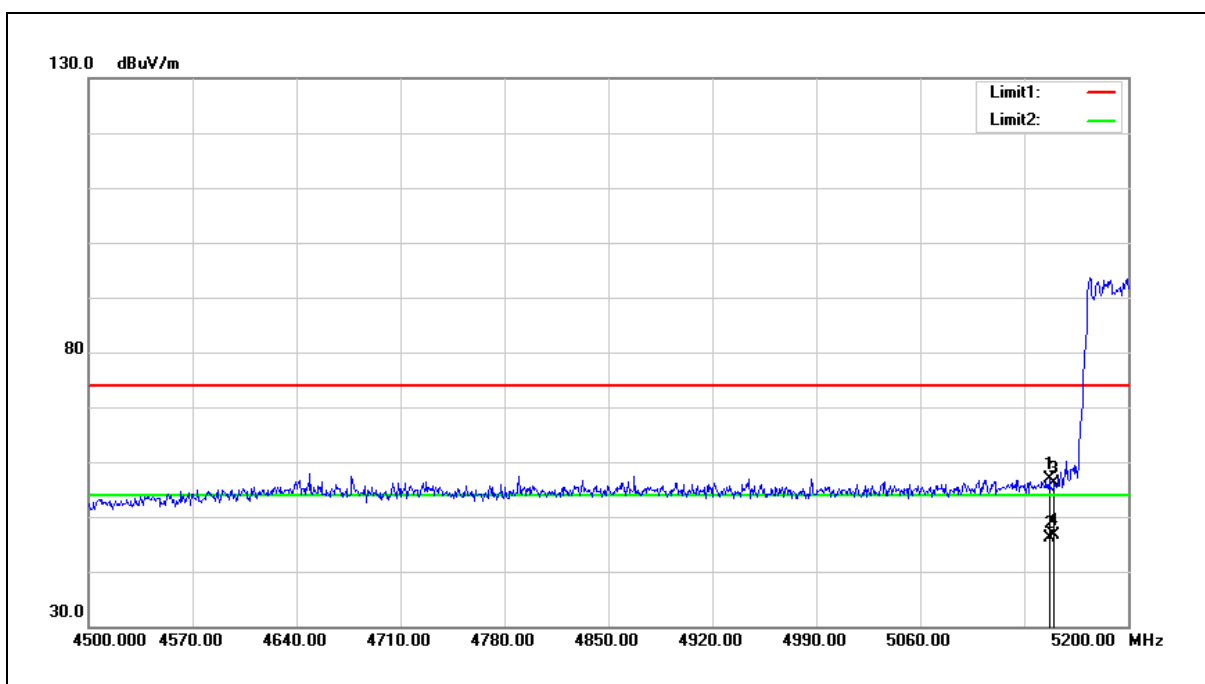
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.800	50.83	6.13	56.96	74.00	-17.04	peak
2	5146.800	40.01	6.13	46.14	54.00	-7.86	AVG
3	5150.000	50.09	6.14	56.23	74.00	-17.77	peak
4	5150.000	40.59	6.14	46.73	54.00	-7.27	AVG

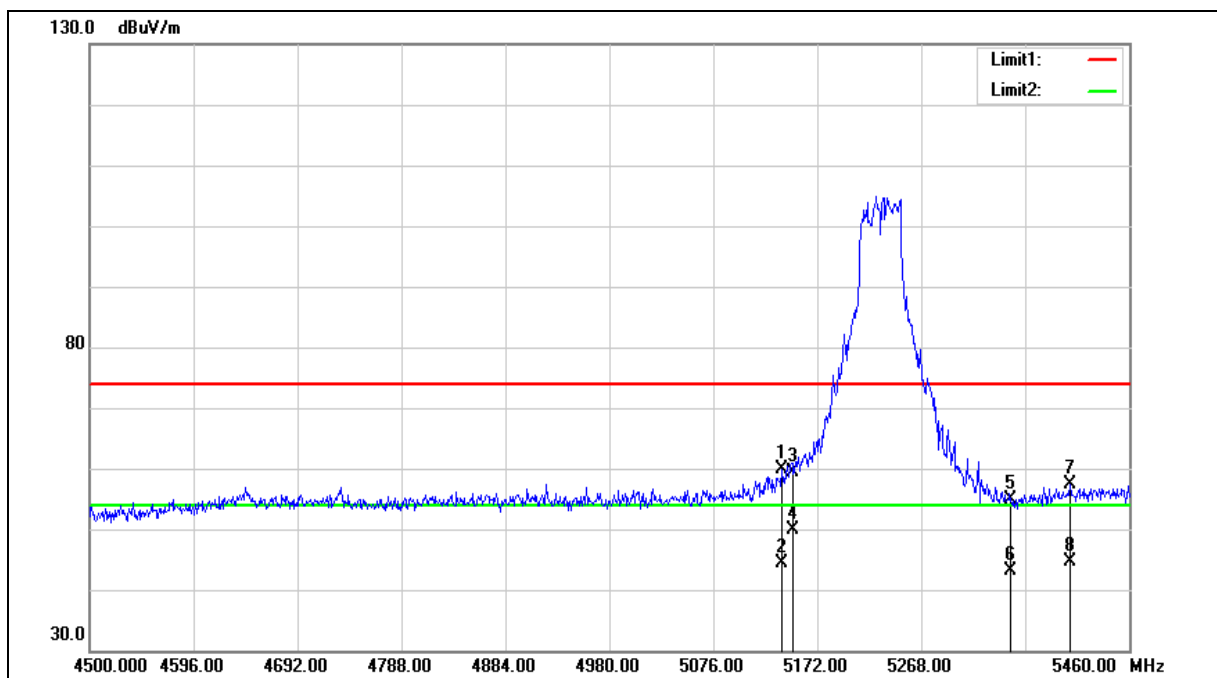
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5139.360	53.74	6.12	59.86	74.00	-14.14	peak
2	5139.360	38.21	6.12	44.33	54.00	-9.67	AVG
3	5150.000	53.24	6.14	59.38	74.00	-14.62	peak
4	5150.000	43.75	6.14	49.89	54.00	-4.11	AVG
5	5350.000	48.39	6.46	54.85	74.00	-19.15	peak
6	5350.000	36.78	6.46	43.24	54.00	-10.76	AVG
7	5405.280	50.93	6.55	57.48	74.00	-16.52	peak
8	5405.280	38.12	6.55	44.67	54.00	-9.33	AVG

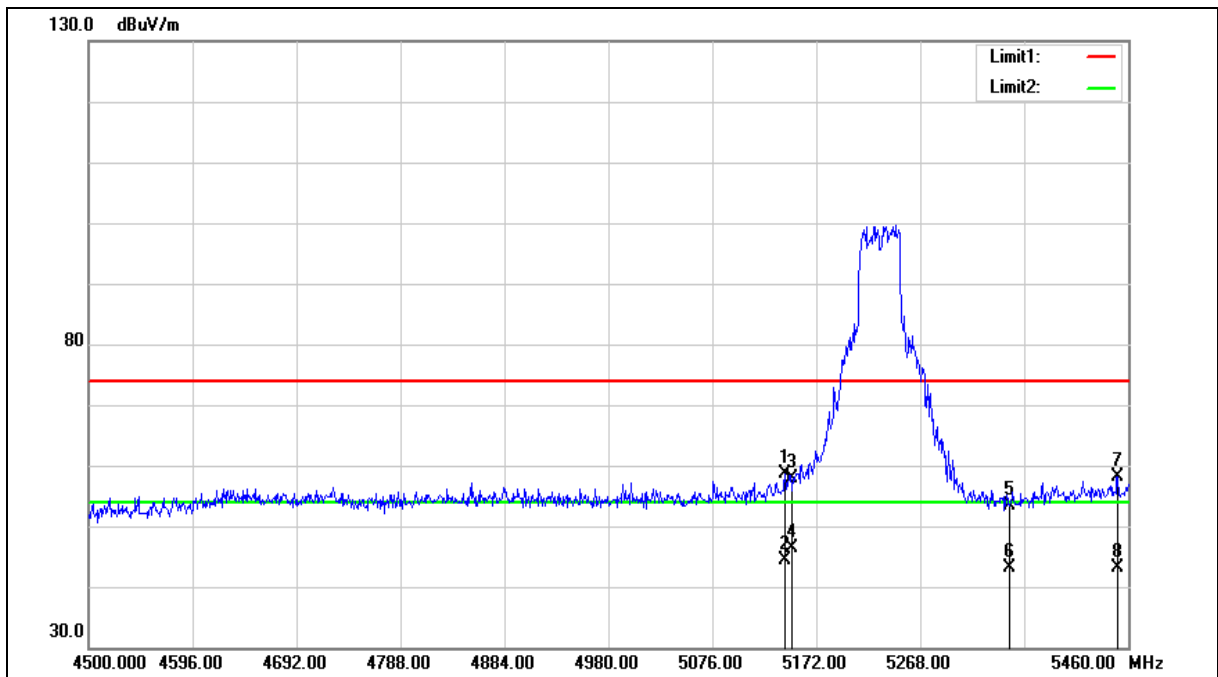
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

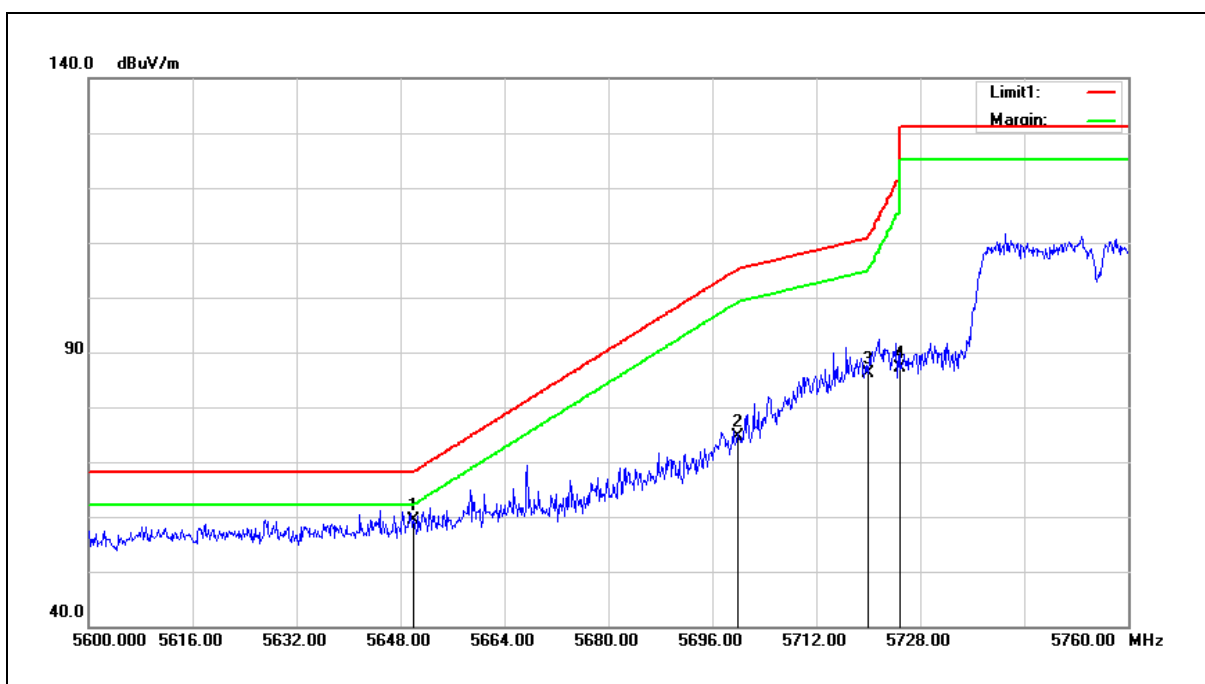
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.200	52.44	6.13	58.57	74.00	-15.43	peak
2	5143.200	38.25	6.13	44.38	54.00	-9.62	AVG
3	5150.000	51.74	6.14	57.88	74.00	-16.12	peak
4	5150.000	40.35	6.14	46.49	54.00	-7.51	AVG
5	5350.000	46.88	6.46	53.34	74.00	-20.66	peak
6	5350.000	36.74	6.46	43.20	54.00	-10.80	AVG
7	5450.400	51.60	6.62	58.22	74.00	-15.78	peak
8	5450.400	36.55	6.62	43.17	54.00	-10.83	AVG

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

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

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

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



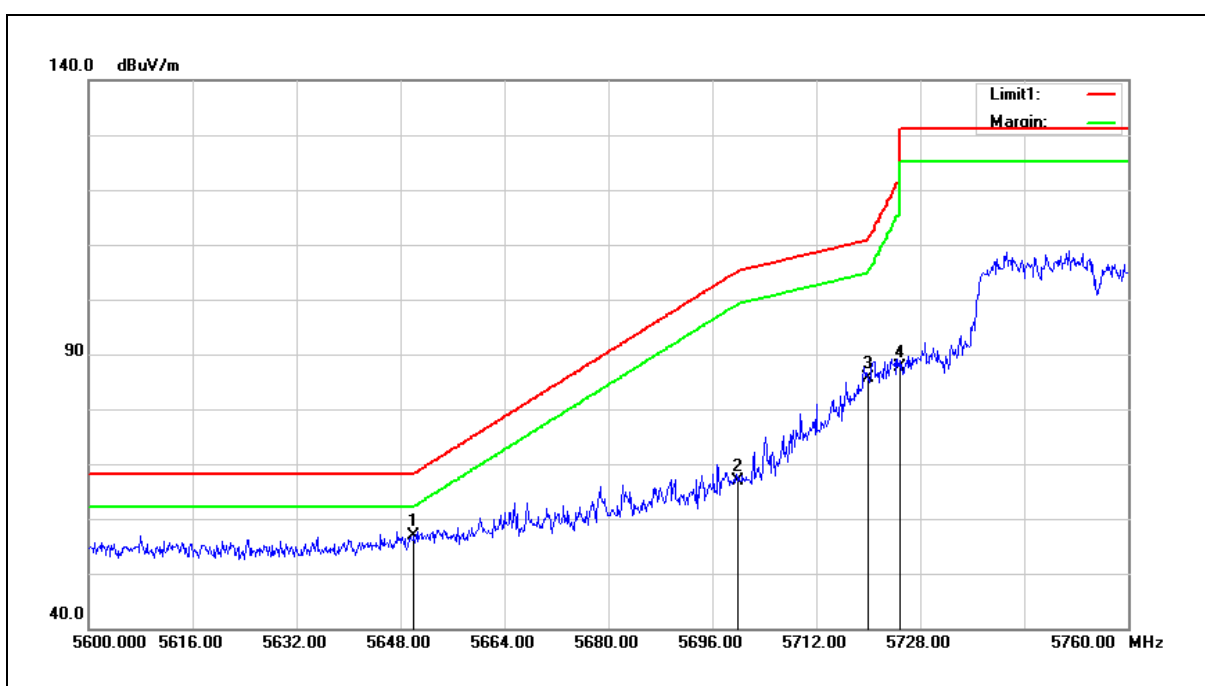
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	52.36	6.98	59.34	68.20	-8.86	peak
2	5700.000	67.48	7.07	74.55	105.20	-30.65	peak
3	5720.000	79.04	7.12	86.16	110.80	-24.64	peak
4	5725.000	79.90	7.13	87.03	122.20	-35.17	peak

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

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

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

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



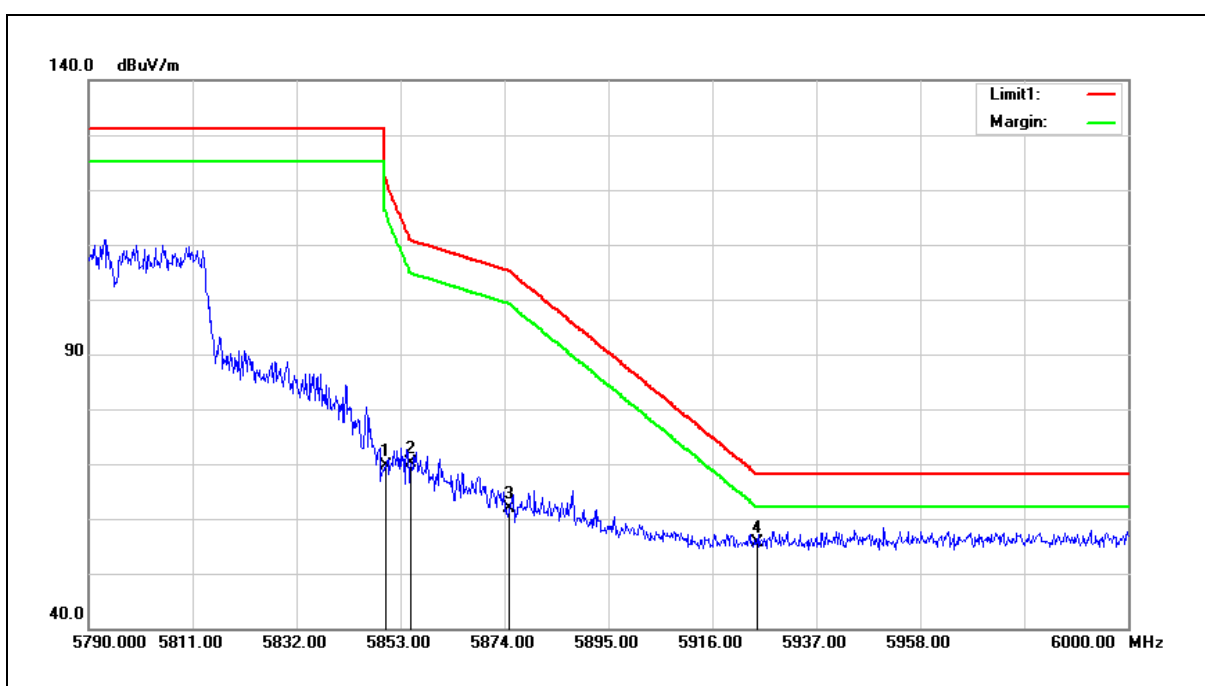
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	49.89	6.98	56.87	68.20	-11.33	peak
2	5700.000	59.72	7.07	66.79	105.20	-38.41	peak
3	5720.000	78.41	7.12	85.53	110.80	-25.27	peak
4	5725.000	80.60	7.13	87.73	122.20	-34.47	peak

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

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

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

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



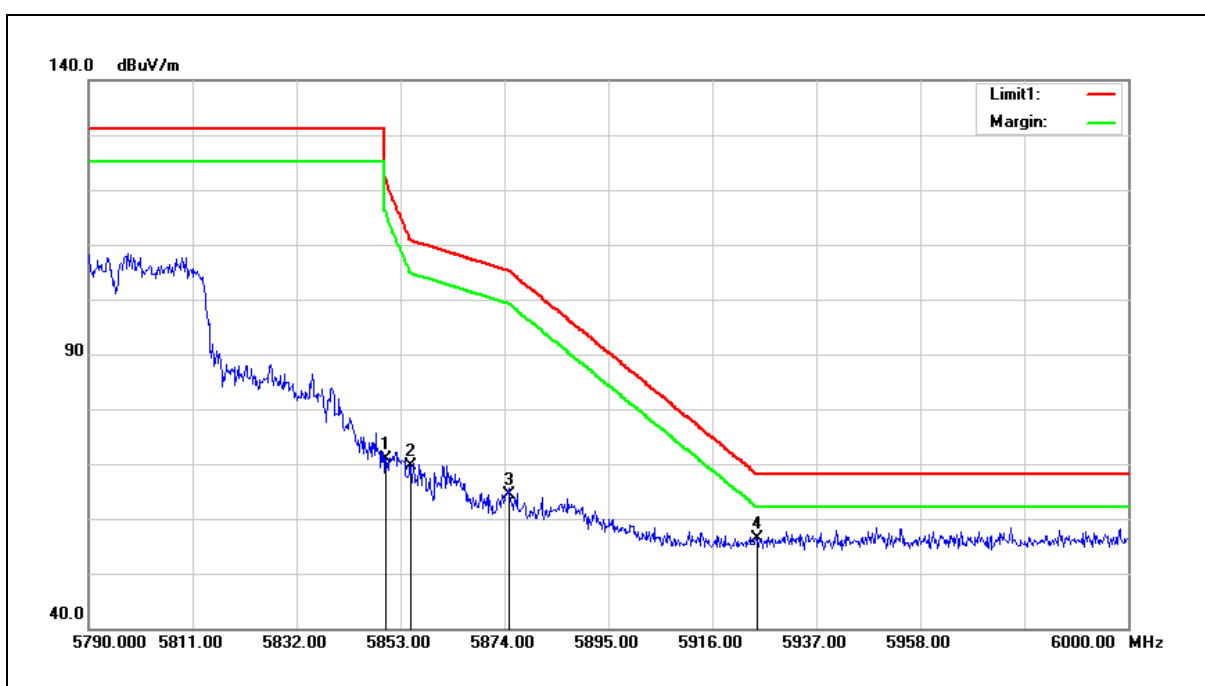
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	62.36	7.36	69.72	122.20	-52.48	peak
2	5855.000	62.85	7.37	70.22	110.80	-40.58	peak
3	5875.000	54.39	7.40	61.79	105.20	-43.41	peak
4	5925.000	48.06	7.50	55.56	68.20	-12.64	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	63.46	7.36	70.82	122.20	-51.38	peak
2	5855.000	62.15	7.37	69.52	110.80	-41.28	peak
3	5875.000	57.10	7.40	64.50	105.20	-40.70	peak
4	5925.000	48.87	7.50	56.37	68.20	-11.83	peak

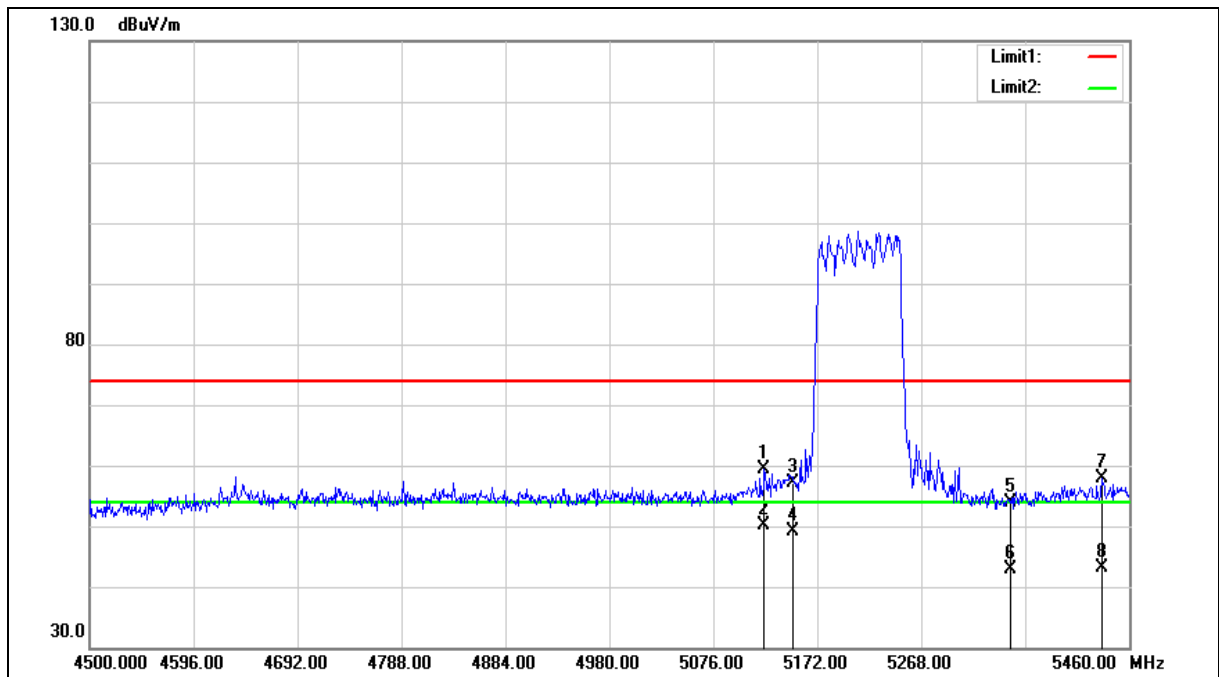
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5123.040	53.33	6.10	59.43	74.00	-14.57	peak
2	5123.040	43.99	6.10	50.09	54.00	-3.91	AVG
3	5150.000	51.00	6.14	57.14	74.00	-16.86	peak
4	5150.000	43.07	6.14	49.21	54.00	-4.79	AVG
5	5350.000	47.44	6.46	53.90	74.00	-20.10	peak
6	5350.000	36.41	6.46	42.87	54.00	-11.13	AVG
7	5435.040	51.19	6.59	57.78	74.00	-16.22	peak
8	5435.040	36.49	6.59	43.08	54.00	-10.92	AVG

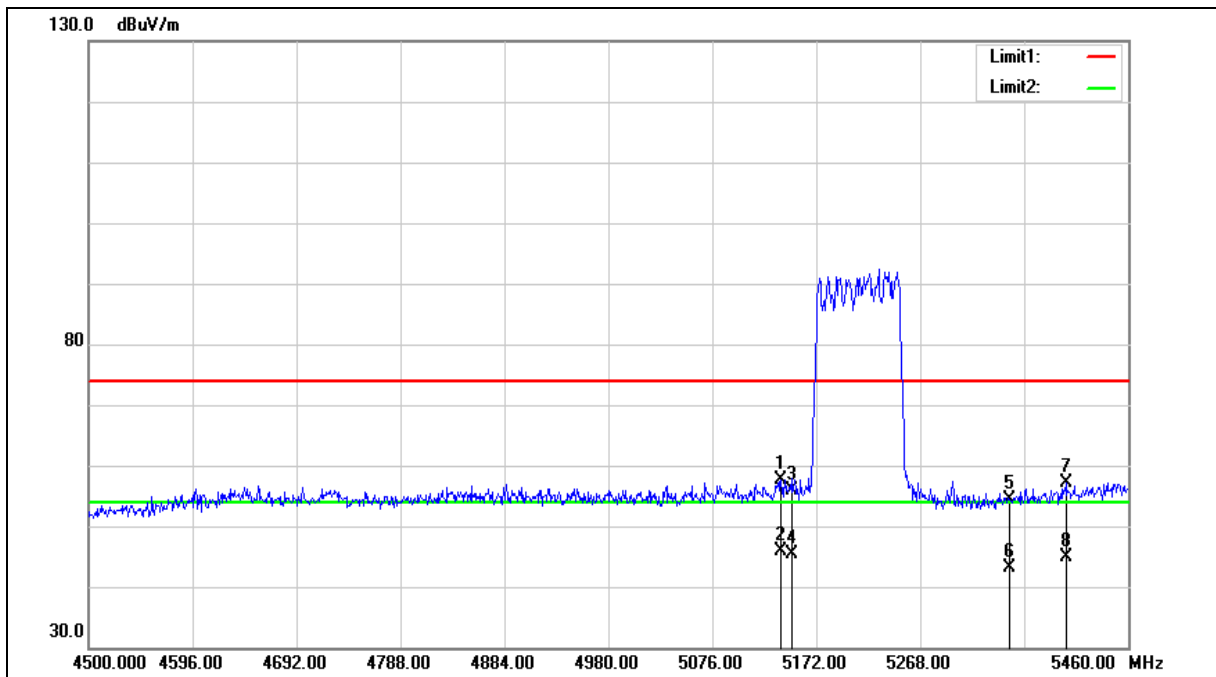
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5139.360	51.50	6.12	57.62	74.00	-16.38	peak
2	5139.360	39.71	6.12	45.83	54.00	-8.17	AVG
3	5150.000	49.76	6.14	55.90	74.00	-18.10	peak
4	5150.000	39.22	6.14	45.36	54.00	-8.64	AVG
5	5350.000	47.90	6.46	54.36	74.00	-19.64	peak
6	5350.000	36.79	6.46	43.25	54.00	-10.75	AVG
7	5402.400	50.53	6.54	57.07	74.00	-16.93	peak
8	5402.400	38.32	6.54	44.86	54.00	-9.14	AVG

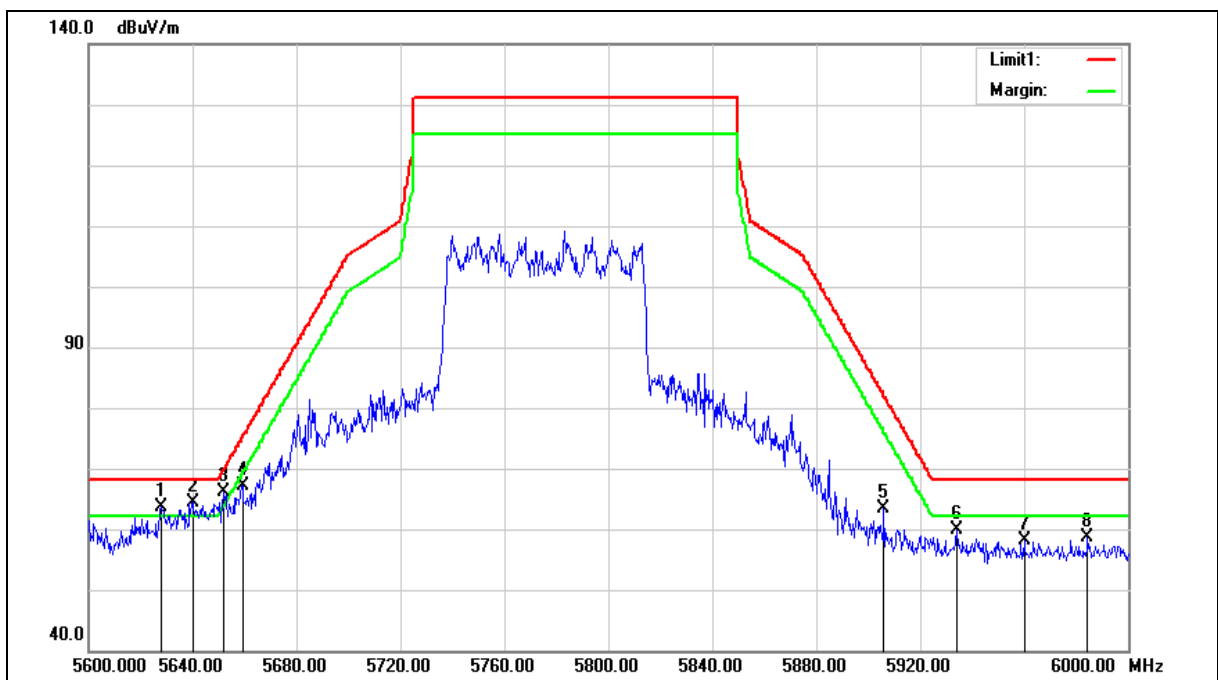
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5628.000	56.71	6.94	63.65	68.20	-4.55	peak
2	5640.000	57.48	6.96	64.44	68.20	-3.76	peak
3	5652.000	59.21	6.98	66.19	69.68	-3.49	peak
4	5659.200	60.16	7.00	67.16	75.01	-7.85	peak
5	5906.000	55.97	7.47	63.44	82.26	-18.82	peak
6	5934.000	52.36	7.52	59.88	68.20	-8.32	peak
7	5960.000	50.59	7.57	58.16	68.20	-10.04	peak
8	5984.400	50.97	7.62	58.59	68.20	-9.61	peak

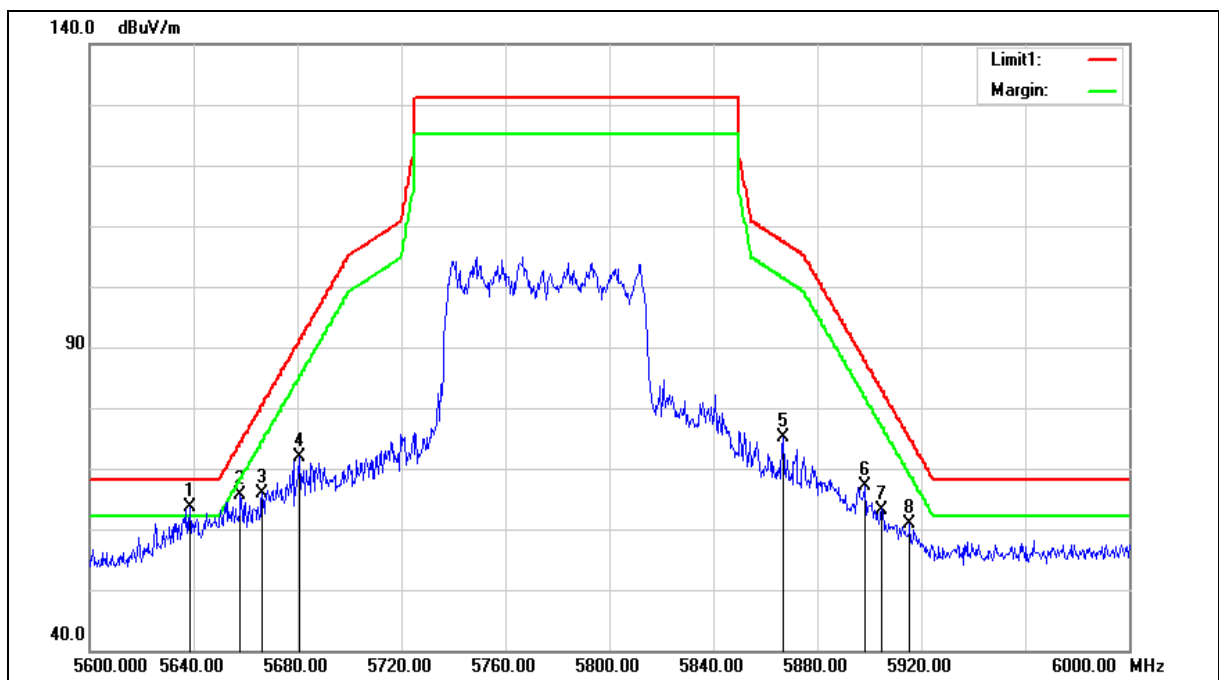
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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





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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5638.400	56.74	6.96	63.70	68.20	-4.50	peak
2	5658.000	58.61	6.99	65.60	74.12	-8.52	peak
3	5666.400	58.85	7.02	65.87	80.34	-14.47	peak
4	5680.800	64.75	7.04	71.79	90.99	-19.20	peak
5	5866.800	67.66	7.39	75.05	107.50	-32.45	peak
6	5898.400	59.79	7.45	67.24	87.88	-20.64	peak
7	5904.800	55.78	7.47	63.25	83.15	-19.90	peak
8	5915.600	53.48	7.48	60.96	75.16	-14.20	peak

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

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

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

5.3. Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6 M	15.70	0.037	15.19	0.033	18.46	0.070	≤ 22.35
5200		15.60	0.036	15.35	0.034	18.49	0.071	
5220		15.49	0.035	15.54	0.036	18.53	0.071	
5240		15.52	0.036	15.45	0.035	18.50	0.071	
5745		20.17	0.104	20.22	0.105	23.21	0.209	≤ 28.35
5765		20.29	0.107	20.21	0.105	23.26	0.212	
5785		19.89	0.097	19.98	0.100	22.95	0.197	
5805		19.77	0.095	19.86	0.097	22.83	0.192	
5825	54 M	19.93	0.098	19.88	0.097	22.92	0.196	≤ 22.35
5180		15.49	0.035	15.12	0.033	18.32	0.068	
5200		15.38	0.035	15.40	0.035	18.40	0.069	
5220		15.31	0.034	15.43	0.035	18.38	0.069	
5240		15.45	0.035	15.39	0.035	18.43	0.070	≤ 28.35
5745		20.04	0.101	20.21	0.105	23.14	0.206	
5765		20.20	0.105	20.18	0.104	23.20	0.209	
5785		19.81	0.096	19.94	0.099	22.89	0.194	
5805		19.72	0.094	19.80	0.095	22.77	0.189	
5825		19.93	0.098	19.81	0.096	22.88	0.194	

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



Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	15.80	0.038	16.18	0.041	19.00	0.080	≤ 22.35
5200		16.02	0.040	15.95	0.039	19.00	0.079	
5220		16.19	0.042	15.62	0.036	18.92	0.078	
5240		16.23	0.042	15.65	0.037	18.96	0.079	
5745		20.04	0.101	20.10	0.102	23.08	0.203	≤ 28.35
5765		19.97	0.099	20.04	0.101	23.02	0.200	
5785		20.17	0.104	20.22	0.105	23.21	0.209	
5805		19.95	0.099	19.85	0.097	22.91	0.195	
5825		19.63	0.092	19.62	0.092	22.64	0.183	
5180	173.4 M	15.59	0.036	16.05	0.040	18.84	0.076	≤ 22.35
5200		15.79	0.038	15.61	0.036	18.71	0.074	
5220		16.05	0.040	15.49	0.035	18.79	0.076	
5240		16.16	0.041	15.47	0.035	18.84	0.077	
5745		20.00	0.100	19.85	0.097	22.94	0.197	≤ 28.35
5765		19.90	0.098	19.97	0.099	22.95	0.197	
5785		20.11	0.103	20.04	0.101	23.09	0.203	
5805		19.85	0.097	19.70	0.093	22.79	0.190	
5825		19.57	0.091	19.49	0.089	22.54	0.179	

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



Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	16.00	0.040	16.06	0.040	19.04	0.080	≤ 22.35
5230		17.18	0.052	16.23	0.042	19.74	0.094	
5755		20.98	0.125	20.83	0.121	23.92	0.246	≤ 28.35
5795		20.16	0.104	20.38	0.109	23.28	0.213	
5190	400 M	15.61	0.036	15.52	0.036	18.58	0.072	≤ 22.35
5230		16.59	0.046	15.83	0.038	19.24	0.084	
5755		20.89	0.123	20.71	0.118	23.81	0.241	≤ 28.35
5795		19.70	0.093	20.29	0.107	23.02	0.200	

Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	15.69	0.037	14.67	0.029	18.22	0.066	≤ 22.35
5775		20.28	0.107	20.56	0.114	23.43	0.220	≤ 28.35
5210	866.6 M	15.61	0.036	14.59	0.029	18.14	0.065	≤ 22.35
5775		20.19	0.104	20.37	0.109	23.29	0.213	≤ 28.35

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

Beamforming on

Test Mode		Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	13 M	12.61	0.018	12.52	0.018	15.58	0.036	≤ 22.35
5200		12.81	0.019	12.78	0.019	15.81	0.038	
5220		12.91	0.020	12.72	0.019	15.83	0.038	
5240		12.83	0.019	12.84	0.019	15.85	0.038	
5745		16.75	0.047	16.61	0.046	19.69	0.093	≤ 28.35
5765		16.23	0.042	16.16	0.041	19.21	0.083	
5785		16.49	0.045	15.99	0.040	19.26	0.084	
5805		16.05	0.040	15.85	0.038	18.96	0.079	
5825	16.43	0.044	16.05	0.040	19.25	0.084		
5180	173.4 M	12.70	0.019	12.02	0.016	15.38	0.035	≤ 22.35
5200		12.55	0.018	12.61	0.018	15.59	0.036	
5220		12.38	0.017	12.59	0.018	15.50	0.035	
5240		12.79	0.019	12.61	0.018	15.71	0.037	
5745		16.69	0.047	16.61	0.046	19.66	0.092	≤ 28.35
5765		16.19	0.042	16.15	0.041	19.18	0.083	
5785		16.17	0.041	16.03	0.040	19.11	0.081	
5805		16.05	0.040	15.81	0.038	18.94	0.078	
5825		15.77	0.038	15.97	0.040	18.88	0.077	

Test Mode		Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	27 M	13.05	0.020	12.58	0.018	15.83	0.038	≤ 22.35
5230		13.42	0.022	12.98	0.020	16.22	0.042	
5755		17.65	0.058	17.50	0.056	20.59	0.114	≤ 28.35
5795		17.27	0.053	16.92	0.049	20.11	0.103	
5190	400 M	12.71	0.019	12.17	0.016	15.46	0.035	≤ 22.35
5230		12.92	0.020	12.59	0.018	15.77	0.038	
5755		17.57	0.057	17.27	0.053	20.43	0.110	≤ 28.35
5795		17.04	0.051	16.82	0.048	19.94	0.099	

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



Test Mode		Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode						
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	58.6 M	12.05	0.016	11.72	0.015	14.90	0.031	≤ 22.35
5775		16.61	0.046	16.85	0.048	19.74	0.094	≤ 28.35
5210	866.6 M	11.59	0.014	11.61	0.014	14.61	0.029	≤ 22.35
5775		16.49	0.045	16.57	0.045	19.54	0.090	≤ 28.35

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

5.4. 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	24.997	22.851	16.8899	16.6323
5200	24.344	22.630	16.7050	16.6133
5240	24.795	20.701	16.7370	16.6037

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	24.551	21.629	17.6972	17.6560
5200	24.138	21.534	17.6213	17.6393
5240	24.610	21.566	17.6975	17.6374

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	49.976	46.727	36.5196	36.2683
5230	49.976	46.740	36.3649	36.3073

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	89.962	84.242	75.2760	75.1552

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

Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5180	20.932	21.242	17.6244	17.6500
5200	21.619	21.314	17.6356	17.6825
5240	21.099	21.203	17.6453	17.6585

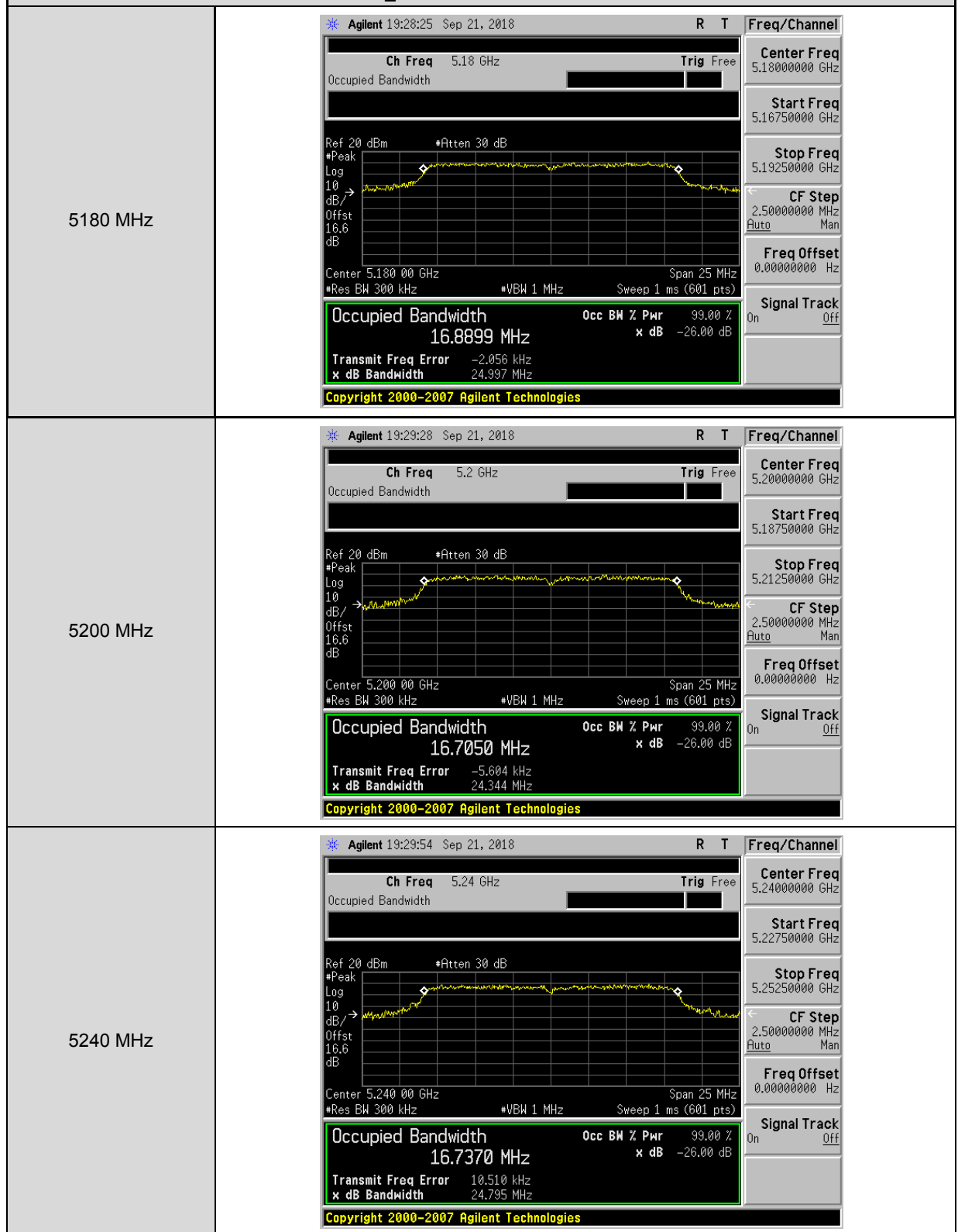
Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5190	44.610	42.313	36.4954	36.3838
5230	43.298	43.479	36.5174	36.4964

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	26 dB Bandwidth (MHz)		99 % Occupied Bandwidth (MHz)	
	ANT-0	ANT-1	ANT-0	ANT-1
5210	84.997	81.829	75.3729	75.1288

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

■ Test Graphs

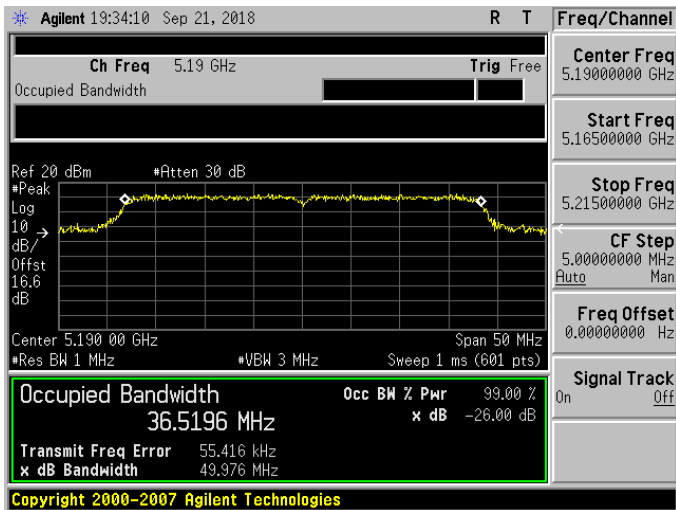
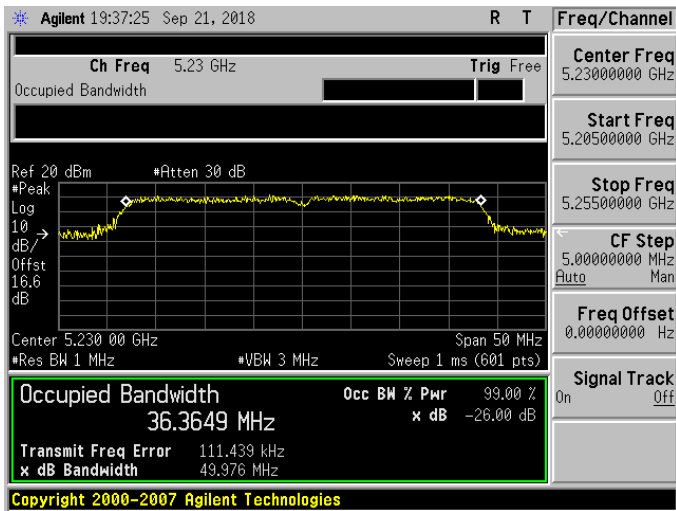
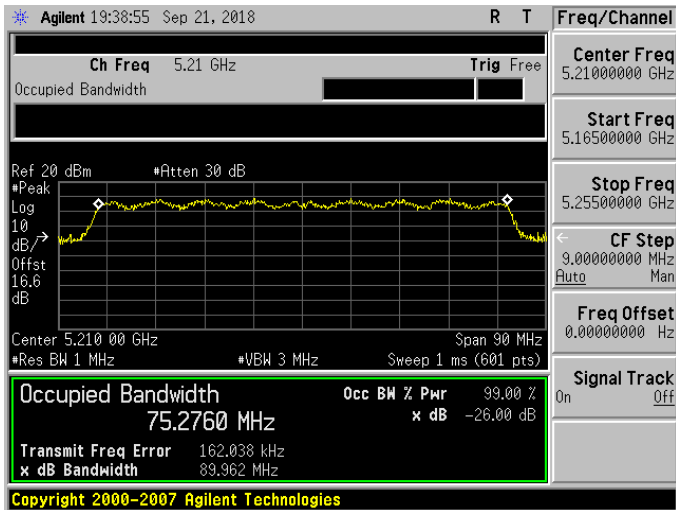
Mode 2: IEEE 802.11a Continuous TX mode_ANT-0





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5180 MHz	Agilent 19:31:51 Sep 21, 2018 R T Ch Freq 5.18 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.180 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6972 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 23.185 kHz x dB Bandwidth 24.551 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.18000000 GHz Start Freq 5.16750000 GHz Stop Freq 5.19250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5200 MHz	Agilent 19:30:56 Sep 21, 2018 R T Ch Freq 5.2 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.200 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6213 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 19.998 kHz x dB Bandwidth 24.138 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.20000000 GHz Start Freq 5.18750000 GHz Stop Freq 5.21250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5240 MHz	Agilent 19:30:16 Sep 21, 2018 R T Ch Freq 5.24 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.240 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6975 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 27.400 kHz x dB Bandwidth 24.610 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.24000000 GHz Start Freq 5.22750000 GHz Stop Freq 5.25250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

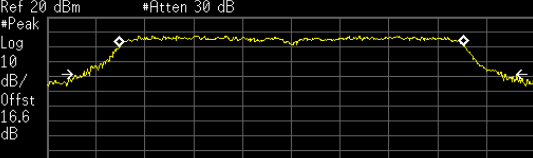
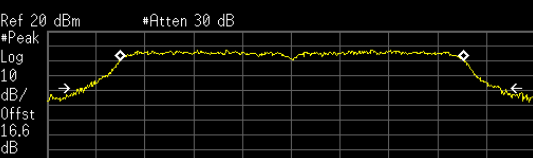
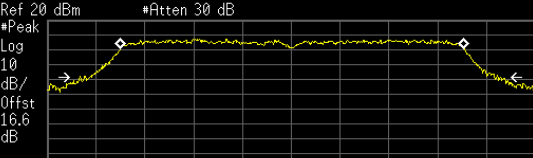


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5190 MHz	 Agilent 19:34:10 Sep 21, 2018 R T Ch Freq 5.19 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.190 00 GHz Span 50 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.5196 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 55.416 kHz x dB Bandwidth 49.976 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.19000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.21500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5230 MHz	 Agilent 19:37:25 Sep 21, 2018 R T Ch Freq 5.23 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.230 00 GHz Span 50 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.3649 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 111.439 kHz x dB Bandwidth 49.976 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.23000000 GHz Start Freq 5.20500000 GHz Stop Freq 5.25500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0	
5210 MHz	 Agilent 19:38:55 Sep 21, 2018 R T Ch Freq 5.21 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.210 00 GHz Span 90 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 75.2760 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 162.038 kHz x dB Bandwidth 89.962 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.21000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.25500000 GHz CF Step 9.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

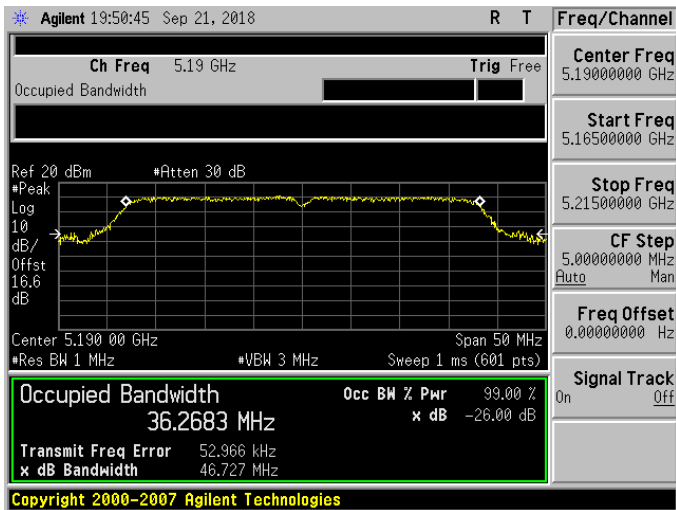
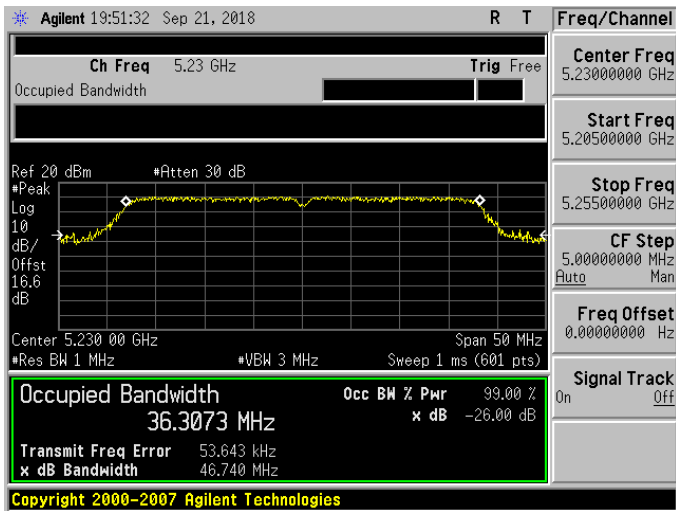
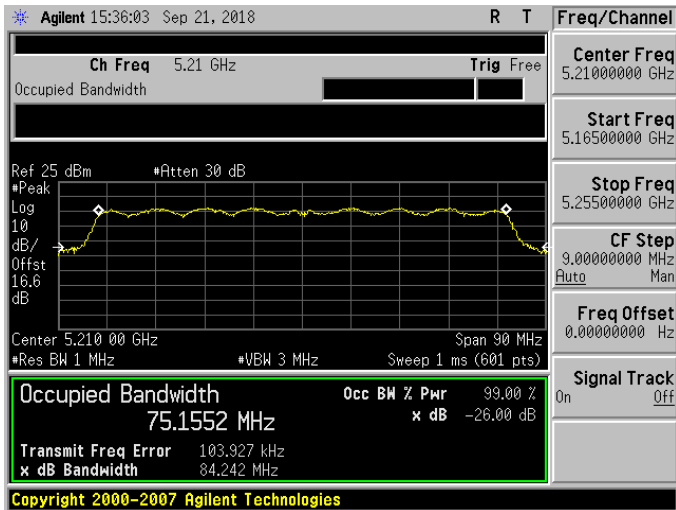


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	Agilent 18:41:26 Sep 21, 2018 R T Ch Freq 5.18 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.180 000 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 16.6323 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.704 kHz x dB Bandwidth 22.851 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.18000000 GHz Start Freq 5.16750000 GHz Stop Freq 5.19250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5200 MHz	Agilent 18:42:22 Sep 21, 2018 R T Ch Freq 5.2 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.200 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 16.6133 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 7.931 kHz x dB Bandwidth 22.630 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.20000000 GHz Start Freq 5.18750000 GHz Stop Freq 5.21250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5240 MHz	Agilent 18:55:35 Sep 21, 2018 R T Ch Freq 5.24 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.240 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 16.6037 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 34.543 kHz x dB Bandwidth 20.701 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.24000000 GHz Start Freq 5.22750000 GHz Stop Freq 5.25250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	Agilent 18:56:27 Sep 21, 2018 R T Ch Freq 5.18 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB  Center 5.180 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6560 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.996 kHz x dB Bandwidth 21.629 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.18000000 GHz Start Freq 5.16750000 GHz Stop Freq 5.19250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5200 MHz	Agilent 18:57:16 Sep 21, 2018 R T Ch Freq 5.2 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB  Center 5.200 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6393 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 25.505 kHz x dB Bandwidth 21.534 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.20000000 GHz Start Freq 5.18750000 GHz Stop Freq 5.21250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5240 MHz	Agilent 18:57:47 Sep 21, 2018 R T Ch Freq 5.24 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB  Center 5.240 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6374 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 30.722 kHz x dB Bandwidth 21.566 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.24000000 GHz Start Freq 5.22750000 GHz Stop Freq 5.25250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

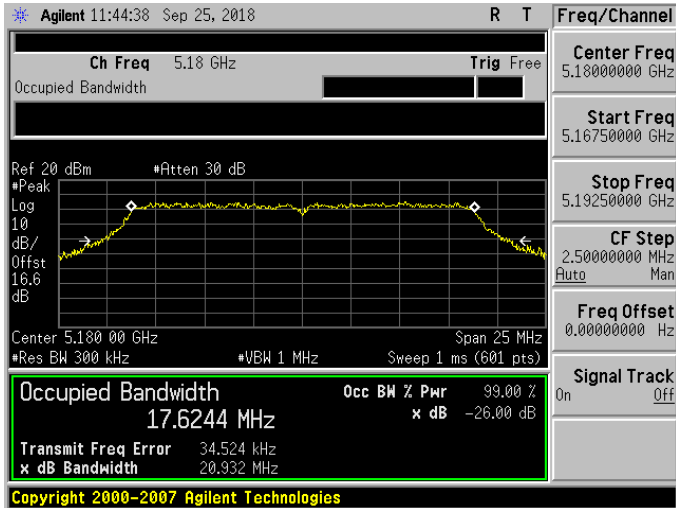
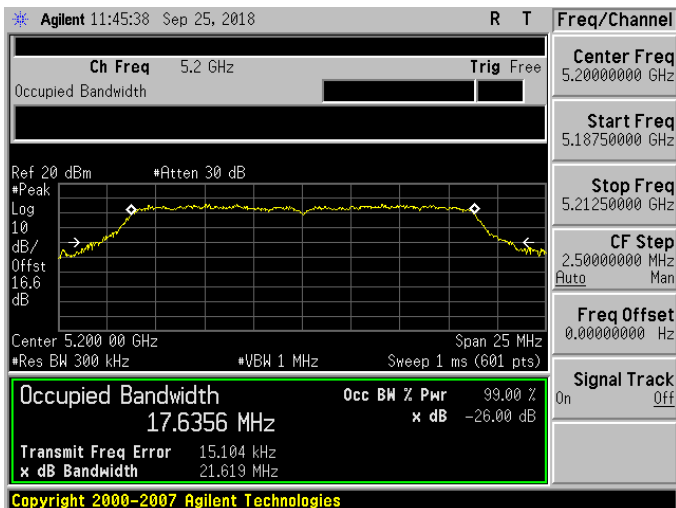
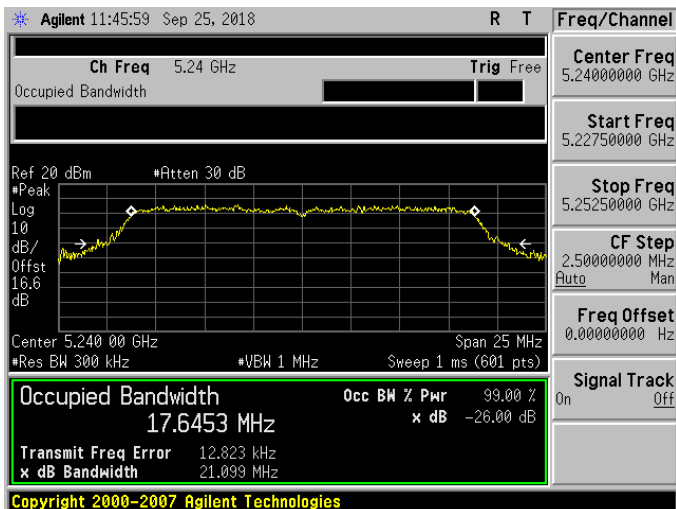


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5190 MHz	 Agilent 19:50:45 Sep 21, 2018 R T Ch Freq 5.19 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.190 00 GHz Span 50 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.2683 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 52.966 kHz x dB Bandwidth 46.727 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.19000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.21500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5230 MHz	 Agilent 19:51:32 Sep 21, 2018 R T Ch Freq 5.23 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.230 00 GHz Span 50 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.3073 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 53.643 kHz x dB Bandwidth 46.740 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.23000000 GHz Start Freq 5.20500000 GHz Stop Freq 5.25500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1	
5210 MHz	 Agilent 15:36:03 Sep 21, 2018 R T Ch Freq 5.21 GHz Trig Free Occupied Bandwidth Ref 25 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.210 00 GHz Span 90 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 75.1552 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 103.927 kHz x dB Bandwidth 84.242 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.21000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.25500000 GHz CF Step 9.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



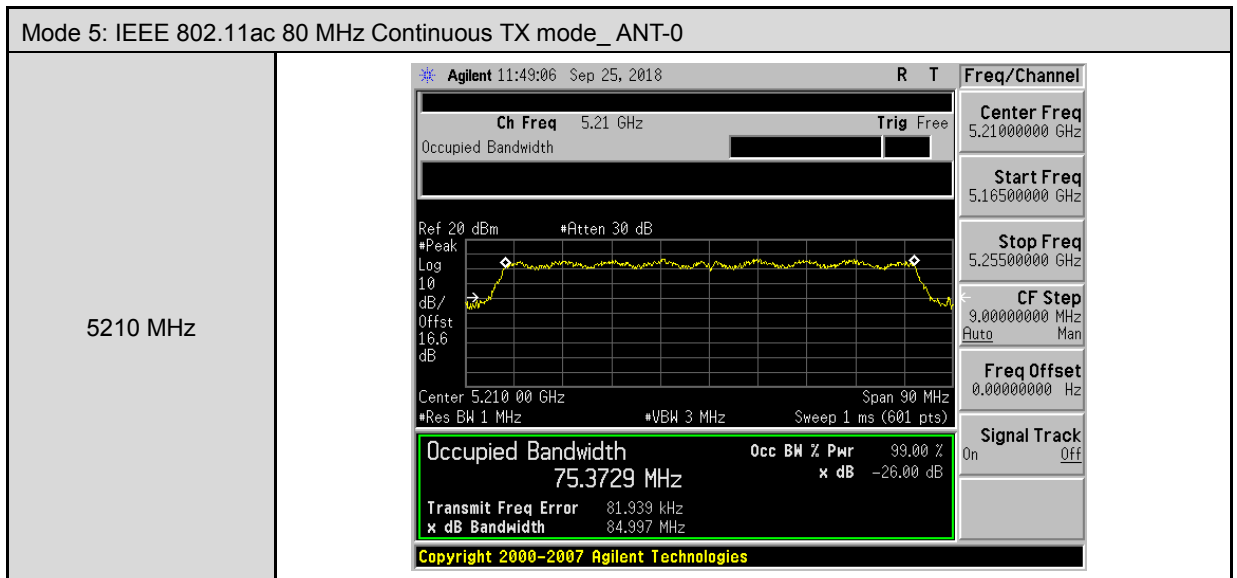
Beamforming on

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

5180 MHz	 Agilent 11:44:38 Sep 25, 2018 R T Ch Freq 5.18 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.180 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6244 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 34.524 kHz x dB Bandwidth 20.932 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.18000000 GHz Start Freq 5.16750000 GHz Stop Freq 5.19250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5200 MHz	 Agilent 11:45:38 Sep 25, 2018 R T Ch Freq 5.2 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.200 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6356 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 15.104 kHz x dB Bandwidth 21.619 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.20000000 GHz Start Freq 5.18750000 GHz Stop Freq 5.21250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5240 MHz	 Agilent 11:45:59 Sep 25, 2018 R T Ch Freq 5.24 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/Offst 16.6 dB Center 5.240 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6453 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 12.823 kHz x dB Bandwidth 21.099 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.24000000 GHz Start Freq 5.22750000 GHz Stop Freq 5.25250000 GHz CF Step 2.50000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

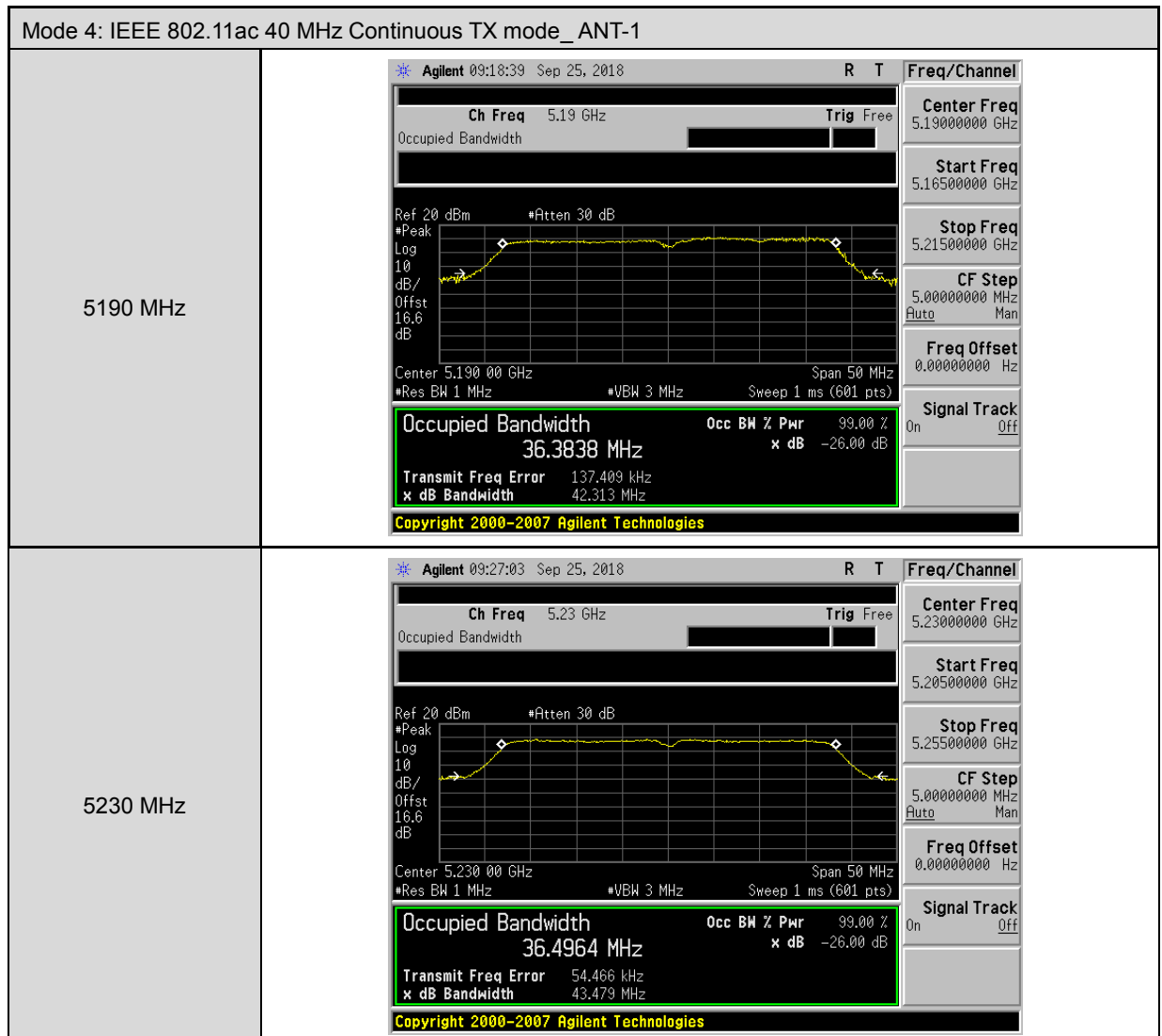


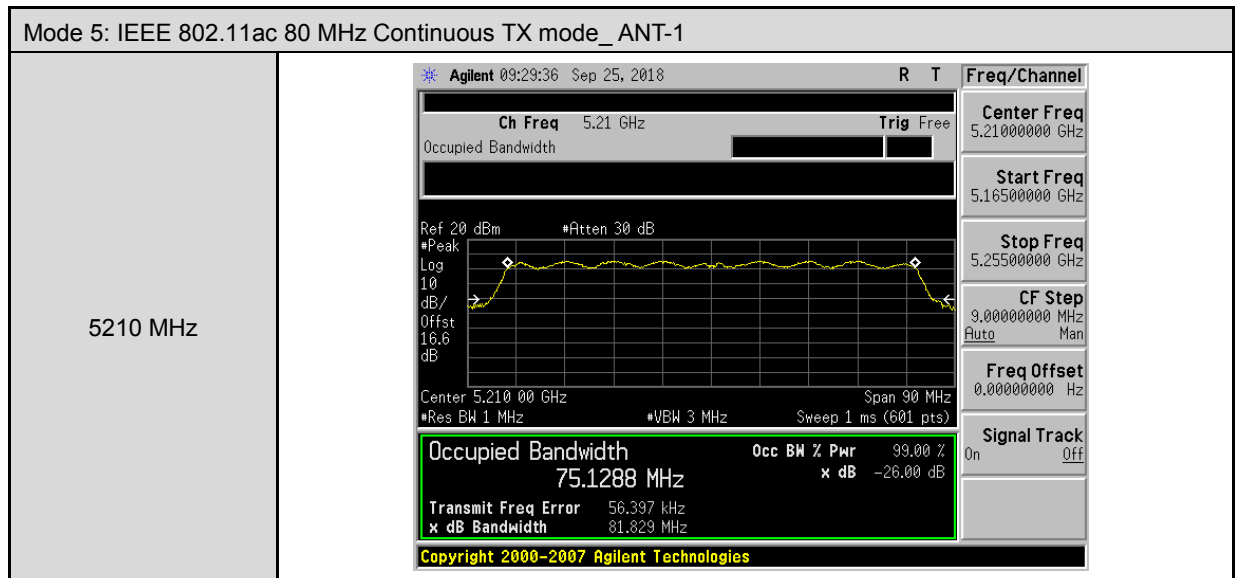
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5190 MHz	Agilent 11:54:42 Sep 25, 2018 Ch Freq 5.19 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/ Offst 16.6 dB Center 5.190 00 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.4954 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 107.760 kHz x dB Bandwidth 44.610 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.19000000 GHz Start Freq 5.16500000 GHz Stop Freq 5.21500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5230 MHz	Agilent 11:48:25 Sep 25, 2018 Ch Freq 5.23 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/ Offst 16.6 dB Center 5.230 00 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 36.5174 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 20.002 kHz x dB Bandwidth 43.298 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.23000000 GHz Start Freq 5.20500000 GHz Stop Freq 5.25500000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off





Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5180 MHz	Agilent 11:38:57 Sep 22, 2018 R T Ch Freq 5.18 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.180 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6500 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 28.044 kHz x dB Bandwidth 21.242 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.1800000 GHz Start Freq 5.1675000 GHz Stop Freq 5.1925000 GHz CF Step 2.5000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off
5200 MHz	Agilent 11:39:27 Sep 22, 2018 R T Ch Freq 5.2 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.200 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6825 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -8.974 kHz x dB Bandwidth 21.314 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.2000000 GHz Start Freq 5.1875000 GHz Stop Freq 5.2125000 GHz CF Step 2.5000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off
5240 MHz	Agilent 11:40:02 Sep 22, 2018 R T Ch Freq 5.24 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.240 00 GHz Span 25 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.6585 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.694 kHz x dB Bandwidth 21.203 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.2400000 GHz Start Freq 5.2275000 GHz Stop Freq 5.2525000 GHz CF Step 2.5000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off





5.5. 6 dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	15360.000	15460.000	≥ 500
5785	15161.000	16065.000	≥ 500
5825	15581.000	16307.000	≥ 500

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	15951.000	16012.000	≥ 500
5785	17227.000	17255.000	≥ 500
5825	16808.000	16557.000	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35263.000	35055.000	≥ 500
5795	35094.000	34186.000	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	73908.000	74072.000	≥ 500

Beamforming on

Test Mode	Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5745	16834.000	16790.000	≥ 500
5785	16812.000	16800.000	≥ 500
5825	16185.000	16832.000	≥ 500

Test Mode	Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5755	35273.000	35297.000	≥ 500
5795	35376.000	35188.000	≥ 500

Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode		
Frequency (MHz)	ANT-0	ANT-1	Limit (kHz)
5775	75264.000	74016.000	≥ 500



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0	
5745 MHz	Agilent 19:40:44 Sep 21, 2018 R T Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB *Atten 30 dB Center 5.745 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.9712 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 106.340 kHz x dB Bandwidth 15.360 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 19:41:53 Sep 21, 2018 R T Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB *Atten 30 dB Center 5.785 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.6033 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -78.053 kHz x dB Bandwidth 15.161 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 19:42:59 Sep 21, 2018 R T Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB *Atten 30 dB Center 5.825 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 23.7488 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 87.390 kHz x dB Bandwidth 15.581 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-0	
5745 MHz	Agilent 19:45:15 Sep 21, 2018 R T Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB Center 5.745 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.5417 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 3.672 kHz x dB Bandwidth 15.951 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 19:44:36 Sep 21, 2018 R T Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB Center 5.785 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.2219 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -4.826 kHz x dB Bandwidth 17.227 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 19:43:39 Sep 21, 2018 R T Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Peak Log 10 dB/ Offst 16.6 dB Center 5.825 00 GHz *Res BW 100 kHz Span 30 MHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.4489 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 155.232 kHz x dB Bandwidth 16.808 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5755 MHz	Agilent 19:46:21 Sep 21, 2018 R T Ch Freq 5.755 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.755 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 42.5567 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 35.836 kHz x dB Bandwidth 35.263 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.75500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.78000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5795 MHz	Agilent 19:47:08 Sep 21, 2018 R T Ch Freq 5.795 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.795 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 42.3518 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -73.652 kHz x dB Bandwidth 35.094 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.79500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.82000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0	
5775 MHz	Agilent 19:13:24 Sep 21, 2018 R T Ch Freq 5.775 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.775 00 GHz Span 100 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 9.56 ms (601 pts) Occupied Bandwidth 82.0752 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -1.280 MHz x dB Bandwidth 73.908 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.77500000 GHz Start Freq 5.72500000 GHz Stop Freq 5.82500000 GHz CF Step 10.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 2: IEEE 802.11a Continuous TX mode_ANT-1	
5745 MHz	Agilent 19:04:04 Sep 21, 2018 R T Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.745 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 26.2911 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error -94.650 kHz x dB Bandwidth 15.460 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 19:04:56 Sep 21, 2018 R T Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.785 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 25.0720 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error -144.689 kHz x dB Bandwidth 16.065 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 19:05:40 Sep 21, 2018 R T Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.825 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.9768 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error 28.851 kHz x dB Bandwidth 16.307 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	Agilent 19:07:52 Sep 21, 2018 R T Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.745 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 25.0109 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error -153.923 kHz x dB Bandwidth 16.012 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 19:07:21 Sep 21, 2018 R T Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.785 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.8530 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error -205.930 kHz x dB Bandwidth 17.255 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 19:06:30 Sep 21, 2018 R T Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Peak Log 10 dB/Offst 16.6 dB #Atten 30 dB Center 5.825 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 24.9965 MHz Occ BW % Pwr 99.00 % x dB Bandwidth -6.00 dB Transmit Freq Error -137.098 kHz x dB Bandwidth 16.557 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

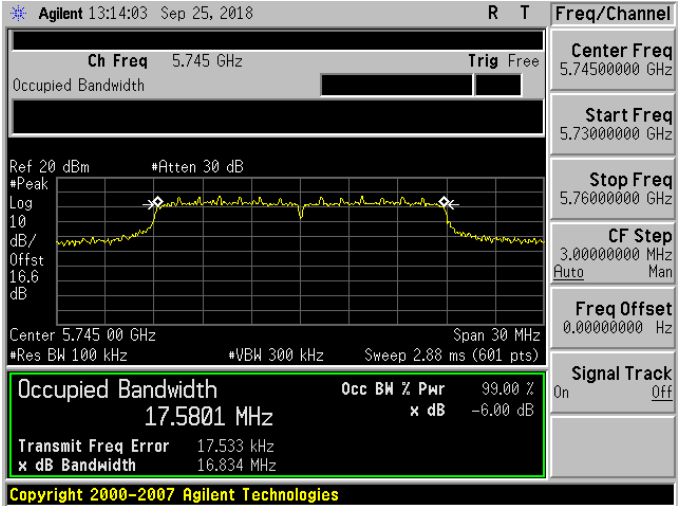
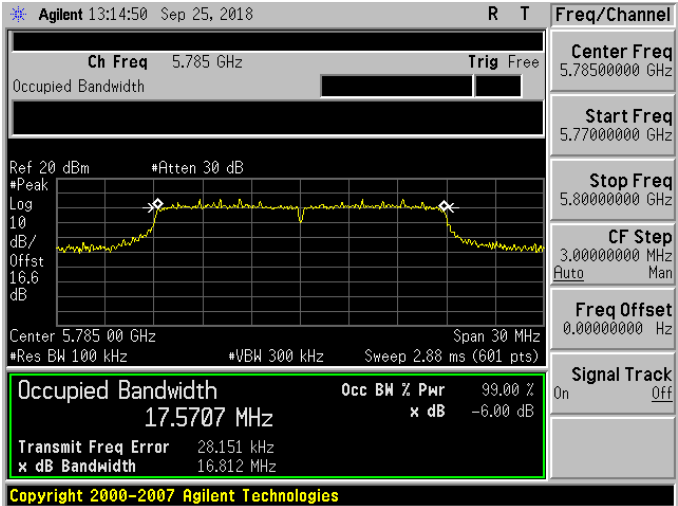
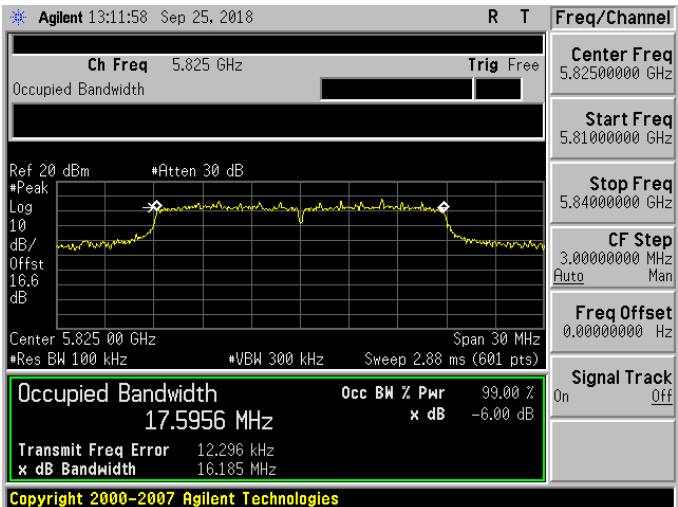


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5755 MHz	Agilent 19:10:40 Sep 21, 2018 Ch Freq 5.755 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB Log *Peak 10 dB/ Offst 16.6 dB Center 5.755 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 43.7165 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -567.908 kHz x dB Bandwidth 35.055 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.75500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.78000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5795 MHz	Agilent 19:11:13 Sep 21, 2018 Ch Freq 5.795 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB Log *Peak 10 dB/ Offst 16.6 dB Center 5.795 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 43.0273 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -681.541 kHz x dB Bandwidth 34.186 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.79500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.82000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-1	
5775 MHz	Agilent 19:12:47 Sep 21, 2018 Ch Freq 5.775 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB Log *Peak 10 dB/ Offst 16.6 dB Center 5.775 00 GHz Span 100 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 9.56 ms (601 pts) Occupied Bandwidth 83.7803 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -1.686 MHz x dB Bandwidth 74.072 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.77500000 GHz Start Freq 5.72500000 GHz Stop Freq 5.82500000 GHz CF Step 10.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



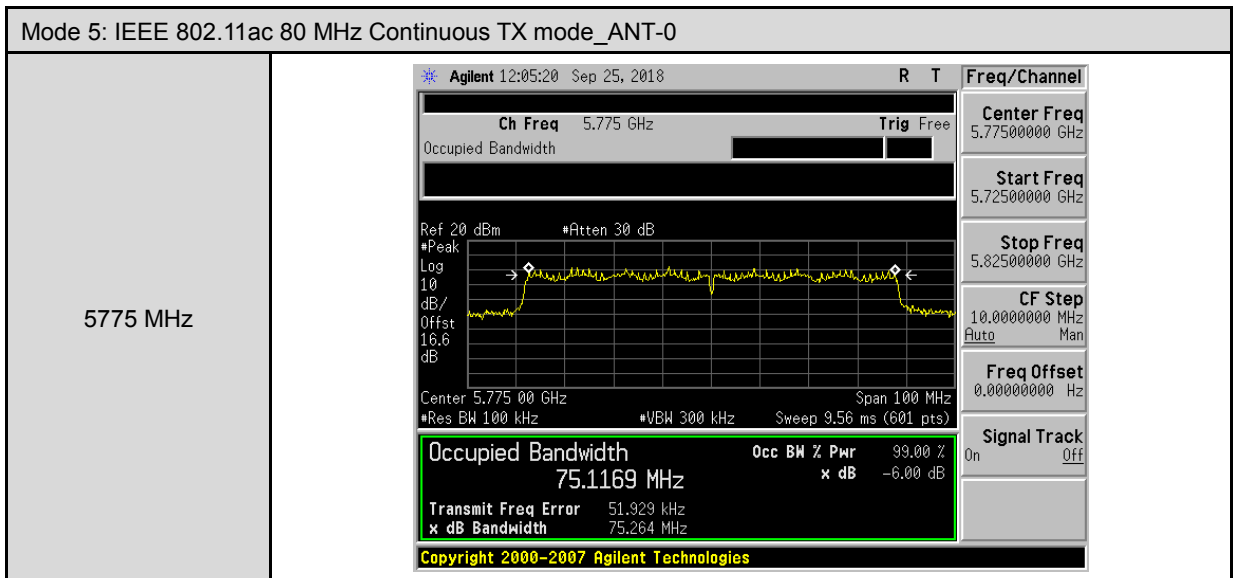
Beamforming on

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

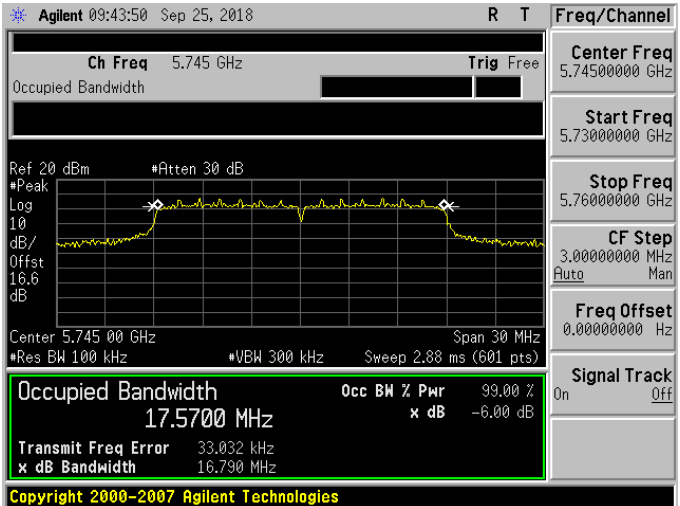
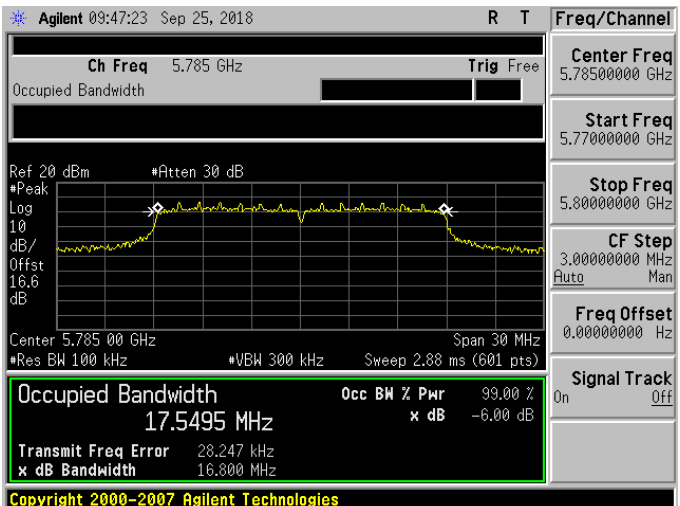
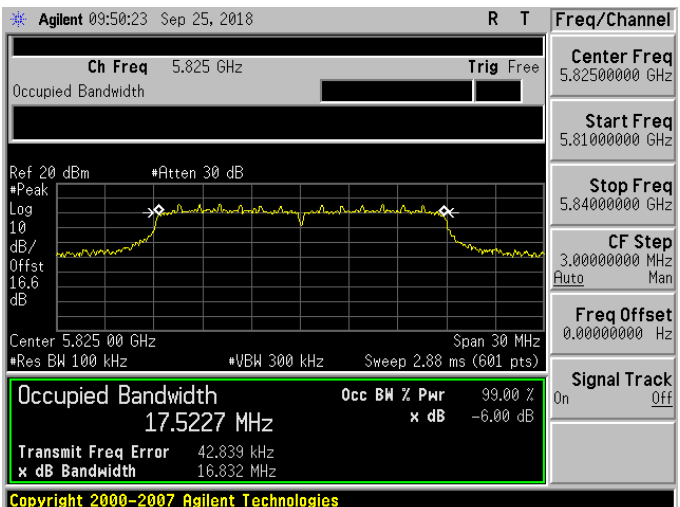
5745 MHz	 Agilent 13:14:03 Sep 25, 2018 R T Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.745 00 GHz Span 30 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5801 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 17.533 kHz x dB Bandwidth 16.834 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	 Agilent 13:14:50 Sep 25, 2018 R T Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.785 00 GHz Span 30 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5707 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 28.151 kHz x dB Bandwidth 16.812 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	 Agilent 13:11:58 Sep 25, 2018 R T Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.825 00 GHz Span 30 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5956 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 12.296 kHz x dB Bandwidth 16.185 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0	
5755 MHz	Agilent 12:06:35 Sep 25, 2018 Ch Freq 5.755 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.755 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 36.1138 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 3.586 kHz x dB Bandwidth 35.273 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.75500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.78000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5795 MHz	Agilent 12:07:03 Sep 25, 2018 Ch Freq 5.795 GHz Trig Free Occupied Bandwidth Ref 20 dBm *Atten 30 dB *Peak Log 10 dB/ Offst 16.6 dB Center 5.795 00 GHz Span 50 MHz *Res BW 100 kHz *VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 36.1197 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 19.258 kHz x dB Bandwidth 35.376 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.79500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.82000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

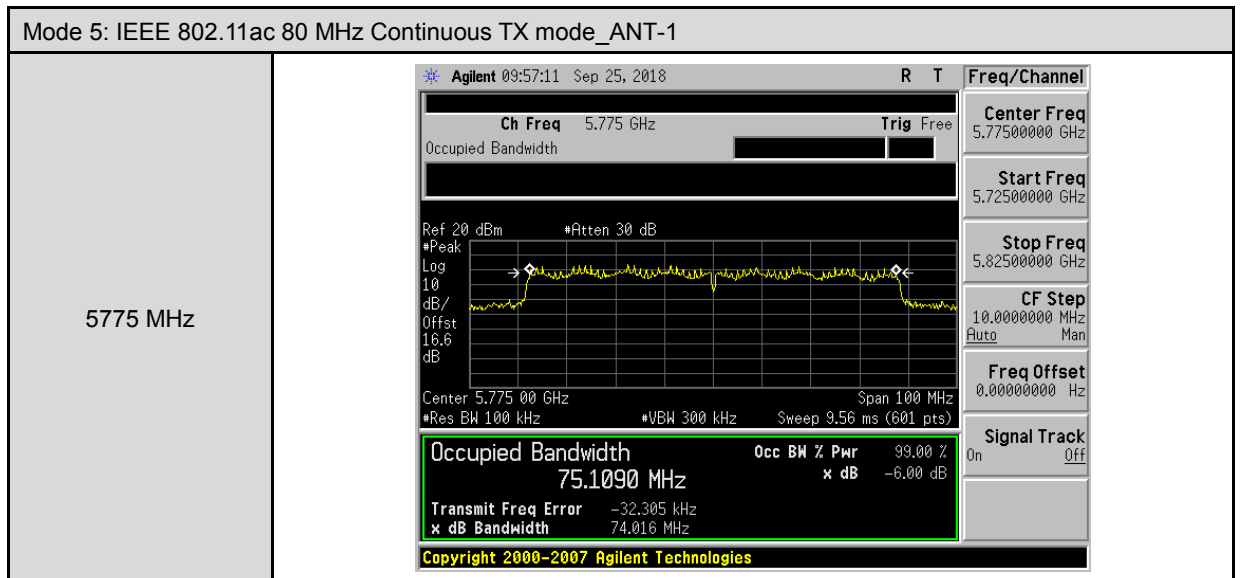




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1	
5745 MHz	 Agilent 09:43:50 Sep 25, 2018 R T Freq/Channel Ch Freq 5.745 GHz Trig Free Center Freq 5.7450000 GHz Start Freq 5.7300000 GHz Stop Freq 5.7600000 GHz CF Step 3.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/ Offst 16.6 dB Center 5.745 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5700 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 33.032 kHz x dB Bandwidth 16.790 MHz Copyright 2000-2007 Agilent Technologies
5785 MHz	 Agilent 09:47:23 Sep 25, 2018 R T Freq/Channel Ch Freq 5.785 GHz Trig Free Center Freq 5.7850000 GHz Start Freq 5.7700000 GHz Stop Freq 5.8000000 GHz CF Step 3.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/ Offst 16.6 dB Center 5.785 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5495 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 28.247 kHz x dB Bandwidth 16.800 MHz Copyright 2000-2007 Agilent Technologies
5825 MHz	 Agilent 09:50:23 Sep 25, 2018 R T Freq/Channel Ch Freq 5.825 GHz Trig Free Center Freq 5.8250000 GHz Start Freq 5.8100000 GHz Stop Freq 5.8400000 GHz CF Step 3.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/ Offst 16.6 dB Center 5.825 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.88 ms (601 pts) Occupied Bandwidth 17.5227 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 42.839 kHz x dB Bandwidth 16.832 MHz Copyright 2000-2007 Agilent Technologies



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1	
5755 MHz	Agilent 09:55:24 Sep 25, 2018 Ch Freq 5.755 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB Log 10 dB/ Offst 16.6 dB Center 5.755 00 GHz Span 50 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 36.0780 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 9.786 kHz x dB Bandwidth 35.297 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.75500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.78000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5795 MHz	Agilent 09:54:33 Sep 25, 2018 Ch Freq 5.795 GHz Trig Free Occupied Bandwidth Ref 20 dBm #Atten 30 dB Log 10 dB/ Offst 16.6 dB Center 5.795 00 GHz Span 50 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.8 ms (601 pts) Occupied Bandwidth 36.1082 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 376.103 Hz x dB Bandwidth 35.188 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.79500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.82000000 GHz CF Step 5.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



5.6. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.010	0.105	6.115	≤ 9.35
5200	6.095	0.105	6.200	
5240	6.056	0.105	6.161	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.116	0.105	6.221	≤ 9.35
5200	6.109	0.105	6.214	
5240	5.651	0.105	5.756	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	9.178			≤ 9.35
5200	9.217			
5240	8.973			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.69	0.105	8.79	≤ 28.35
5785	1.14	0.105	8.24	
5825	1.70	0.105	8.79	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	2.91	0.105	10.00	≤ 28.35
5785	2.03	0.105	9.12	
5825	2.51	0.105	9.61	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	12.45			≤ 28.35
5785	11.71			
5825	12.23			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.858	0.090	5.948	≤ 9.35
5200	5.522	0.090	5.612	
5240	5.977	0.090	6.067	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	5.809	0.090	5.899	≤ 9.35
5200	5.939	0.090	6.029	
5240	5.442	0.090	5.532	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	8.934			≤ 9.35
5200	8.836			
5240	8.818			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	1.65	0.090	8.72	≤ 28.35
5785	1.81	0.090	8.89	
5825	1.99	0.090	9.07	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	2.94	0.090	10.02	≤ 28.35
5785	2.08	0.090	9.16	
5825	1.65	0.090	8.73	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	12.43			≤ 28.35
5785	12.04			
5825	11.91			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	2.515	0.217	2.732	≤ 9.35
5230	2.914	0.217	3.131	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	2.773	0.217	2.990	≤ 9.35
5230	4.252	0.217	4.469	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	5.873			≤ 9.35
5230	6.861			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-0.99	0.217	6.22	≤ 28.35
5795	-1.65	0.217	5.55	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-0.42	0.217	6.78	≤ 28.35
5795	-1.10	0.217	6.11	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	9.52			≤ 28.35
5795	8.85			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-0.095	0.398	0.303	≤ 9.35
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.404	0.398	-1.006	≤ 9.35
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	2.708			≤ 9.35

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-2.21	0.398	5.18	≤ 28.35
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-3.20	0.398	4.19	≤ 28.35
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5775	7.72			≤ 28.35

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.529	0.110	3.639	≤ 9.35
5200	3.398	0.110	3.508	
5240	3.954	0.110	4.064	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	3.112	0.110	3.222	≤ 9.35
5200	3.249	0.110	3.359	
5240	3.949	0.110	4.059	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	6.446			≤ 9.35
5200	6.444			
5240	7.072			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.21	0.110	5.89	≤ 28.35
5785	-2.26	0.110	4.84	
5825	-3.18	0.110	3.92	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5745	-1.21	0.110	5.89	≤ 28.35
5785	-2.05	0.110	5.05	
5825	-1.33	0.110	5.77	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5745	8.90			≤ 28.35
5785	7.96			
5825	7.95			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.945	0.218	1.163	≤ 9.35
5230	1.335	0.218	1.553	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	0.007	0.218	0.225	≤ 9.35
5230	0.274	0.218	0.492	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	4.065			≤ 9.35
5230	1.252			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-4.96	0.218	2.24	≤ 28.35
5795	-5.43	0.218	1.78	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5755	-4.49	0.218	2.72	≤ 28.35
5795	-5.10	0.218	2.11	
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5755	5.50			≤ 28.35
5795	4.96			

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			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-1.723	0.406	-1.317	≤ 9.35
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-2.655	0.406	-2.249	≤ 9.35
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5210	1.252			≤ 9.35

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

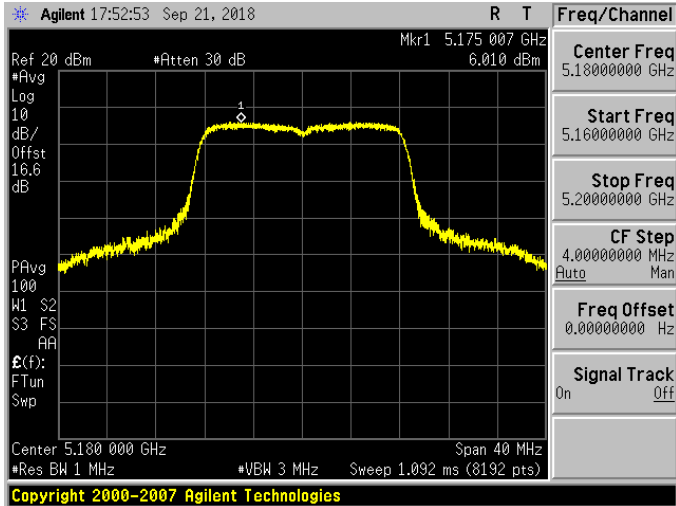
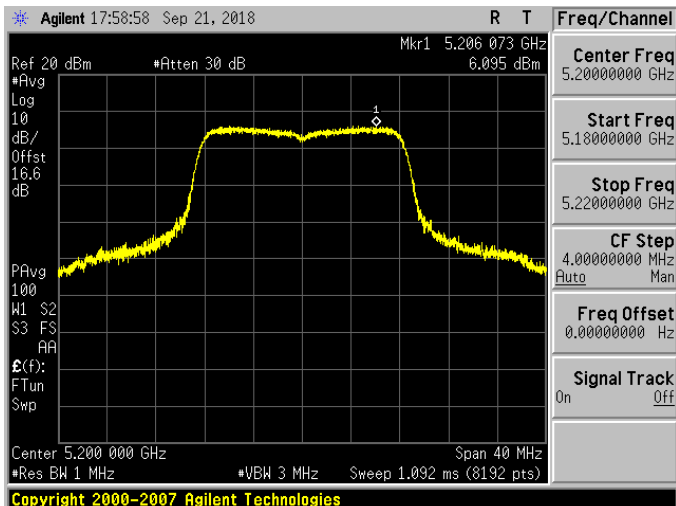
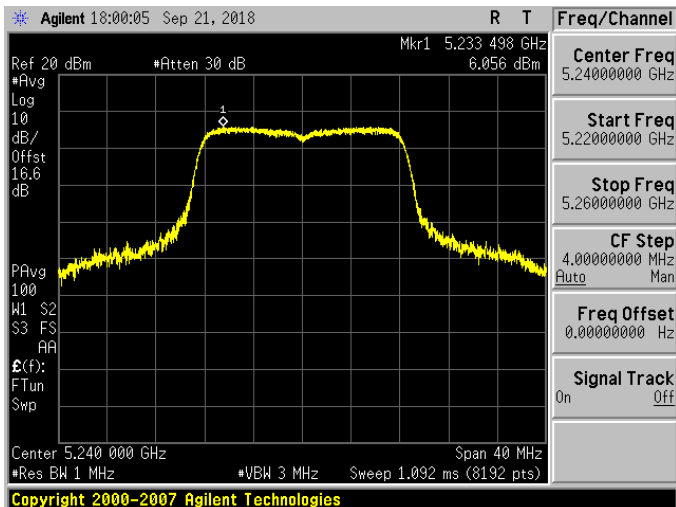
Test Mode	Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-7.08	0.406	0.31	≤ 28.35
Frequency (MHz)	ANT-1			
	Measurement (dBm/100 kHz)	Duty Factor (dB)	Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
5775	-6.84	0.406	0.56	≤ 28.35
Frequency (MHz)	ANT-0+1			Limit (dBm/500 kHz)
	Calculated (dBm/500 kHz)			
5775	3.45			≤ 28.35

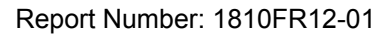
Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

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

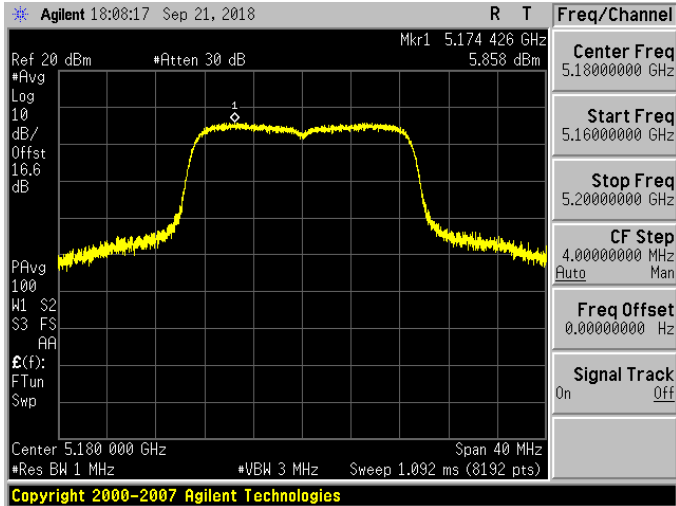
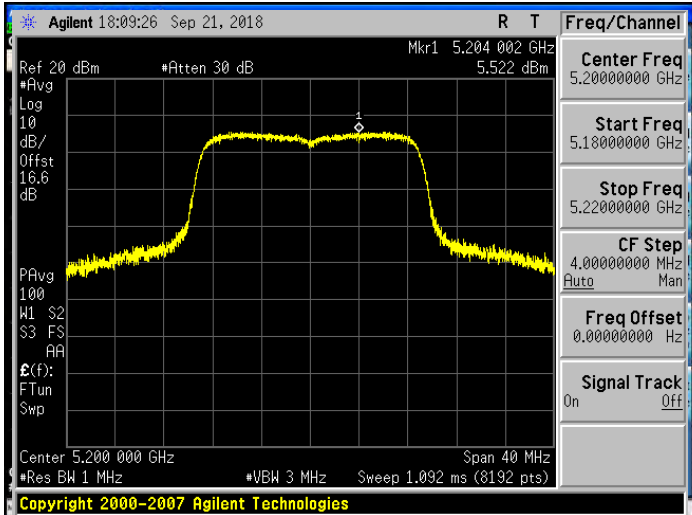
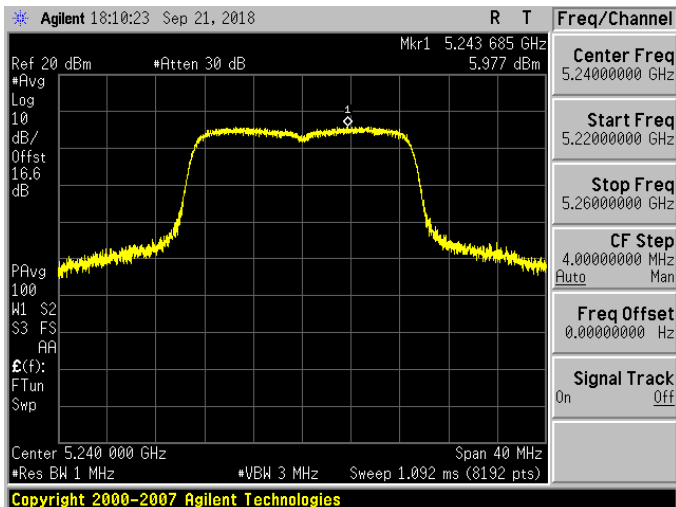


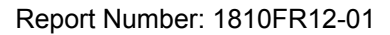
■ Test Graphs

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

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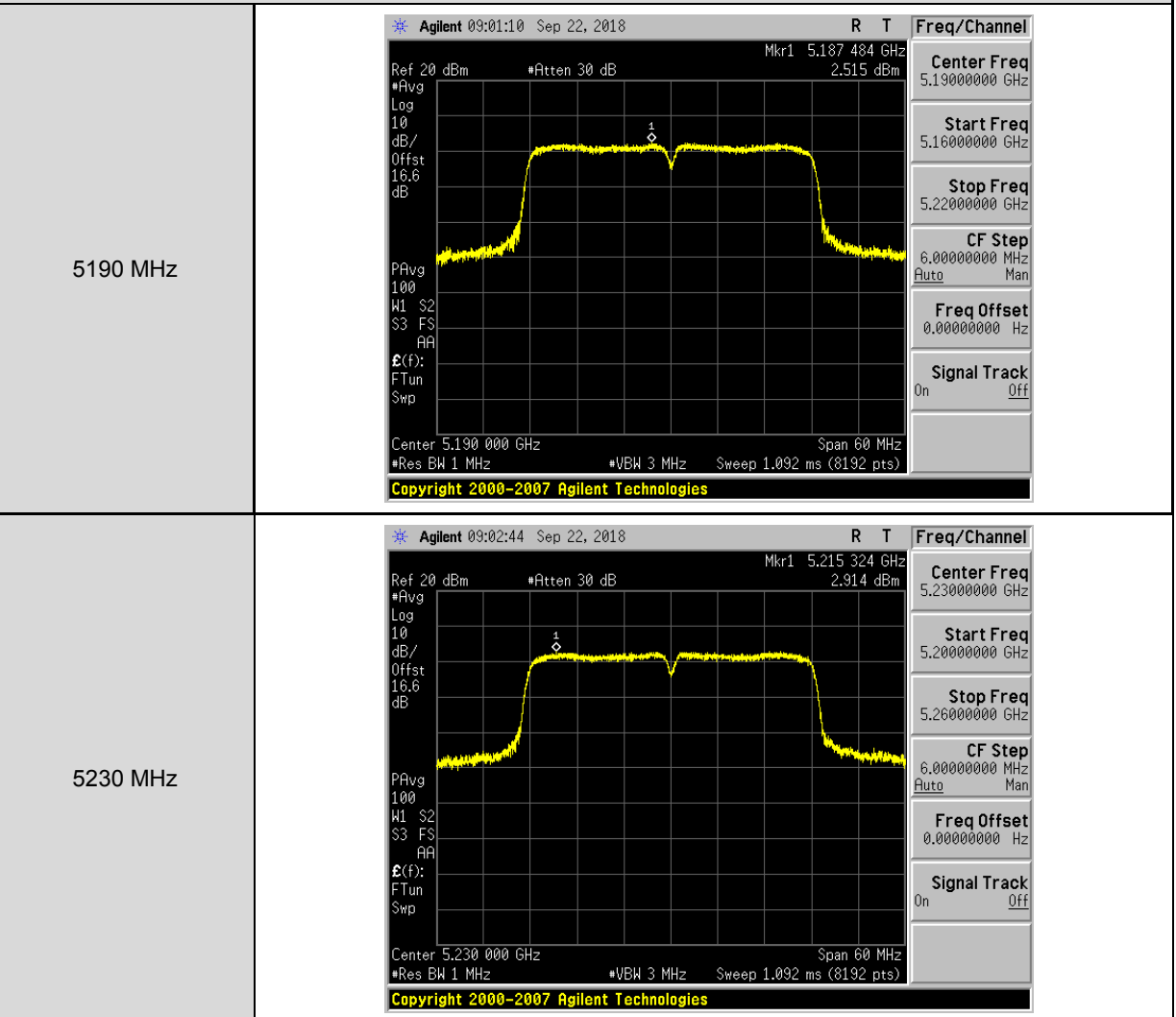


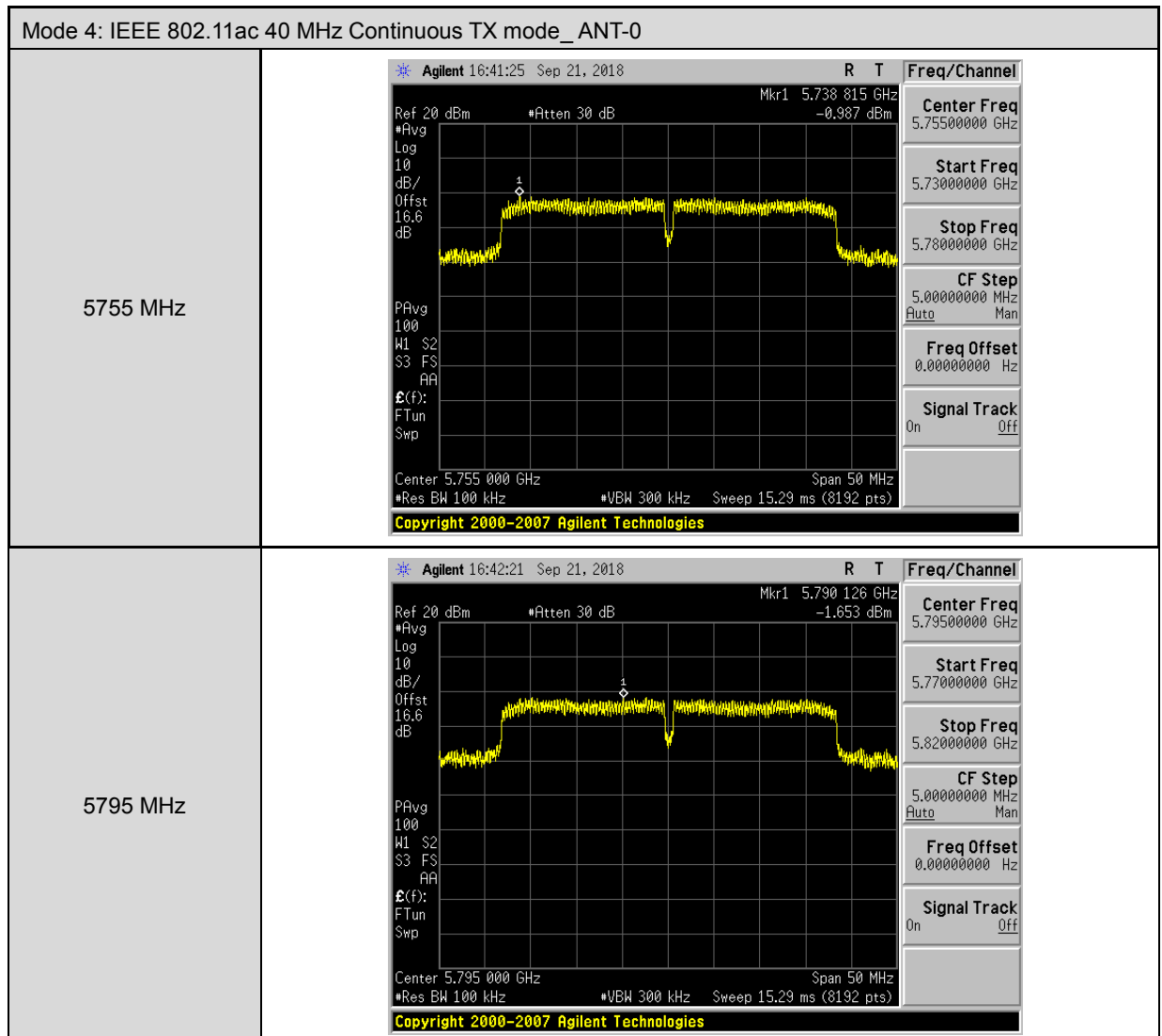
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

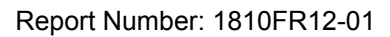
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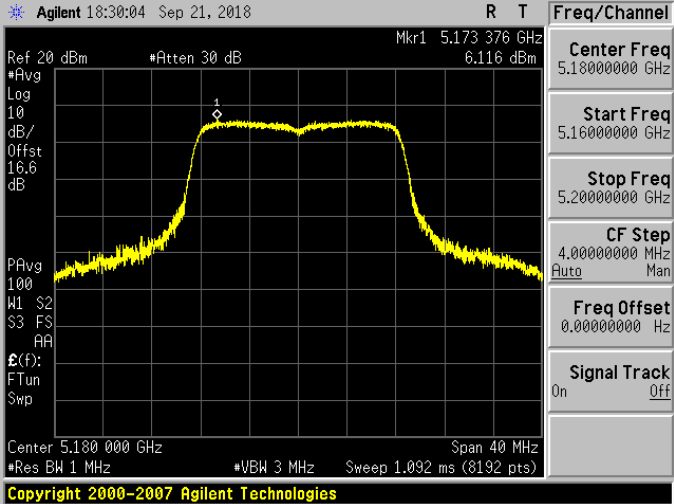
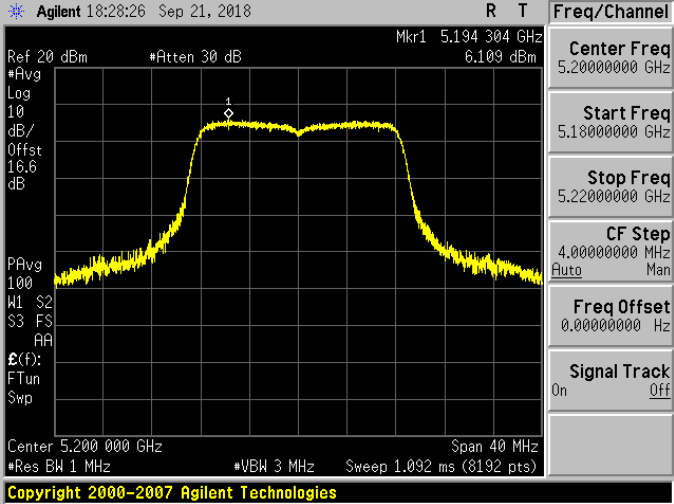
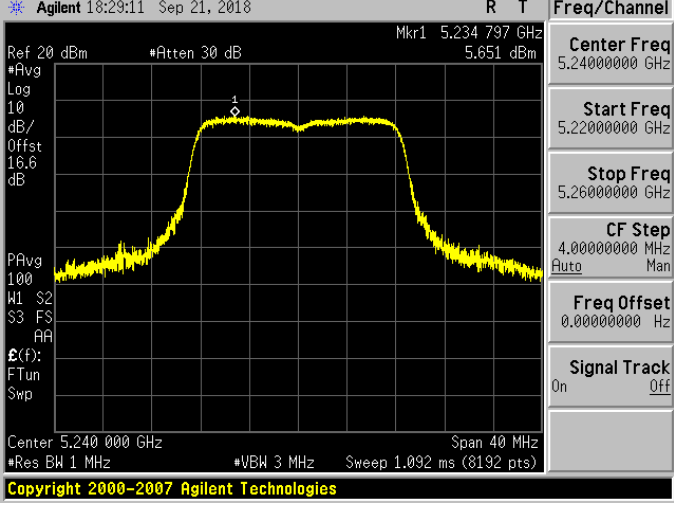
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

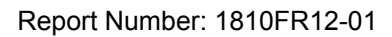




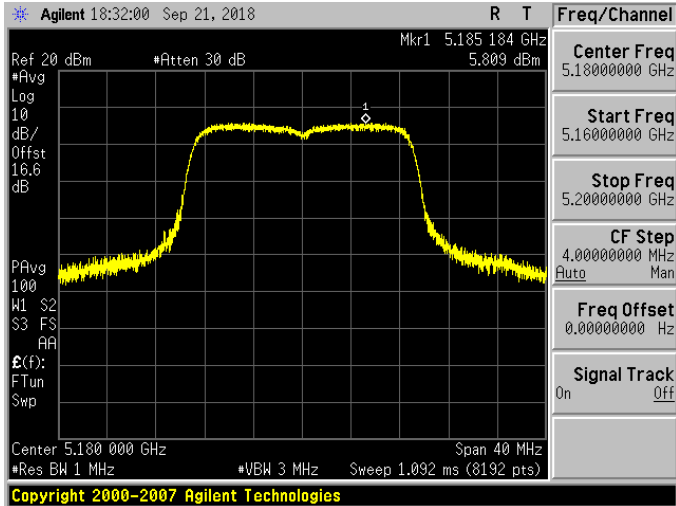
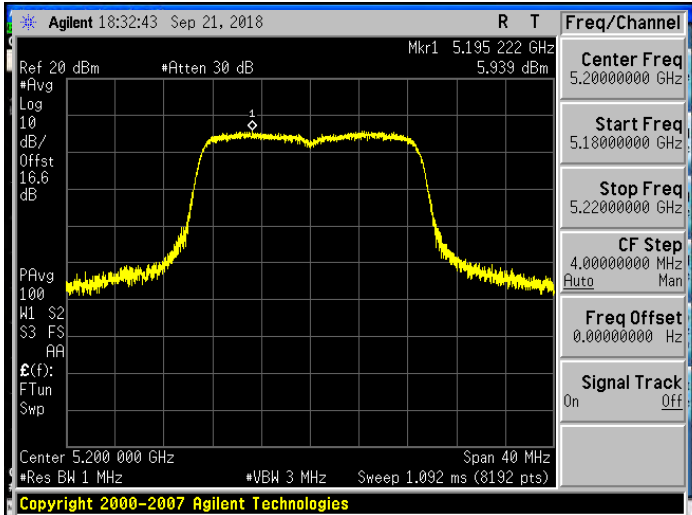
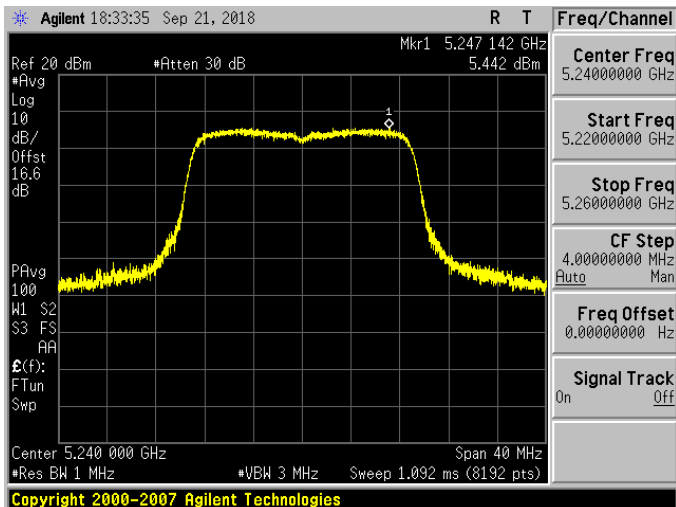
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Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

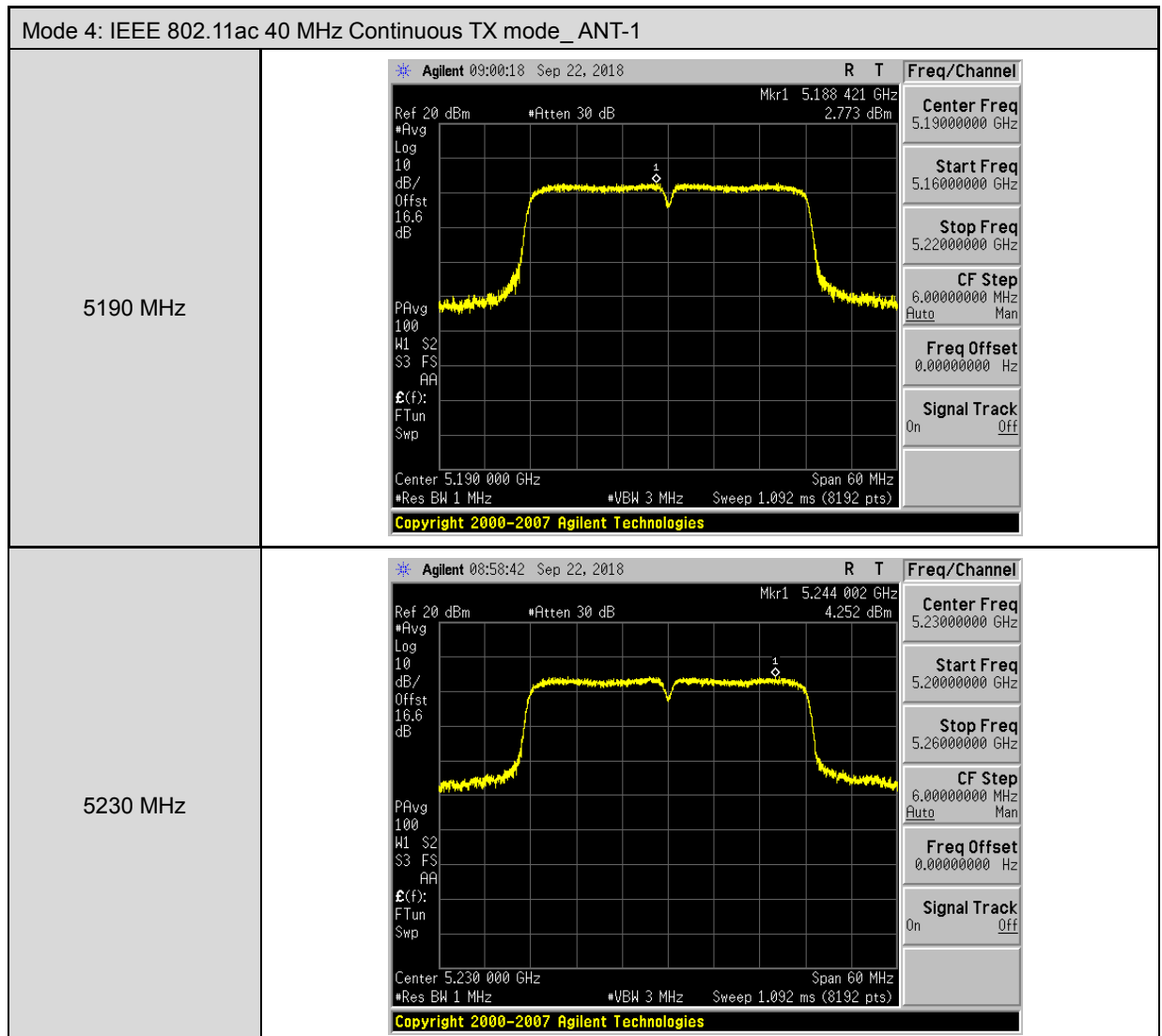
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Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

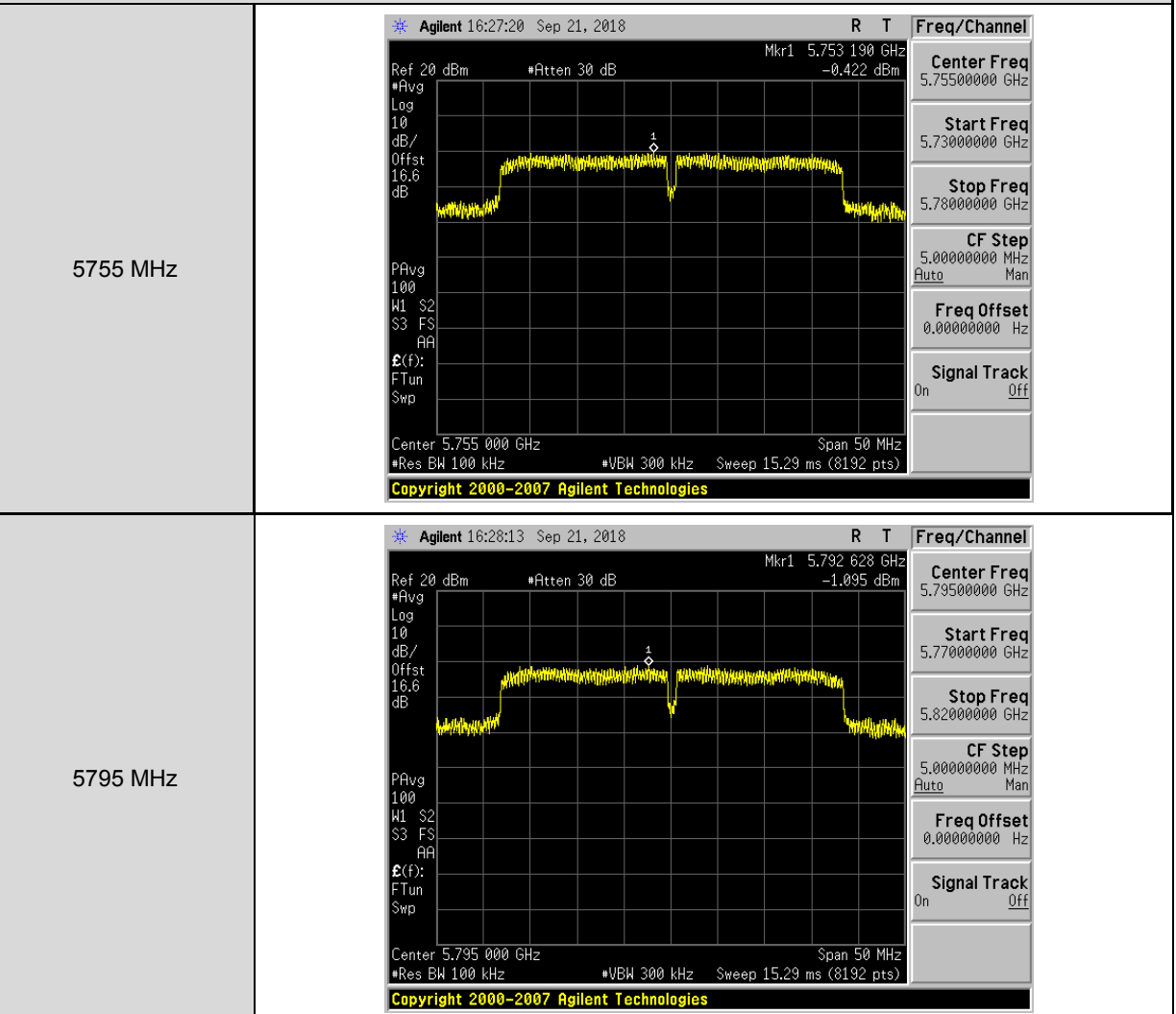


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5745 MHz	Agilent 16:11:43 Sep 21, 2018 R T Freq/Channel Ref 20 dBm #Atten 30 dB Mkr1 5.739 453 GHz 2.939 dBm Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Log 10 dB/Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.745 000 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Copyright 2000-2007 Agilent Technologies
5785 MHz	Agilent 16:13:52 Sep 21, 2018 R T Freq/Channel Ref 20 dBm #Atten 30 dB Mkr1 5.790 726 GHz 2.084 dBm Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Log 10 dB/Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.785 000 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Copyright 2000-2007 Agilent Technologies
5825 MHz	Agilent 16:14:36 Sep 21, 2018 R T Freq/Channel Ref 20 dBm #Atten 30 dB Mkr1 5.830 547 GHz 1.650 dBm Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Log 10 dB/Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.825 000 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Copyright 2000-2007 Agilent Technologies





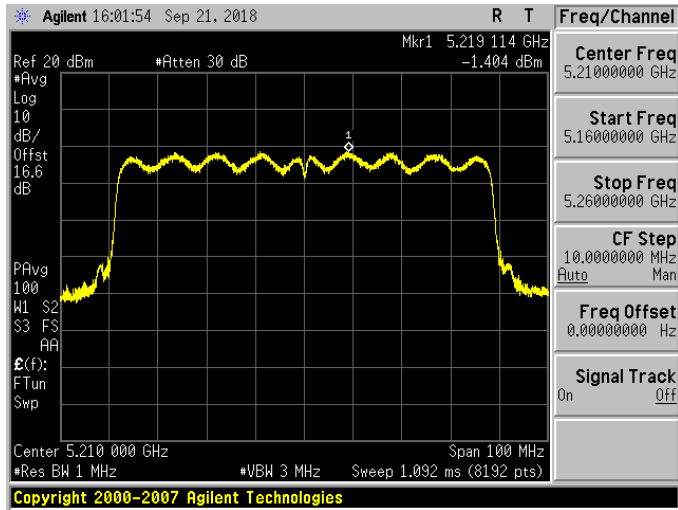
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1





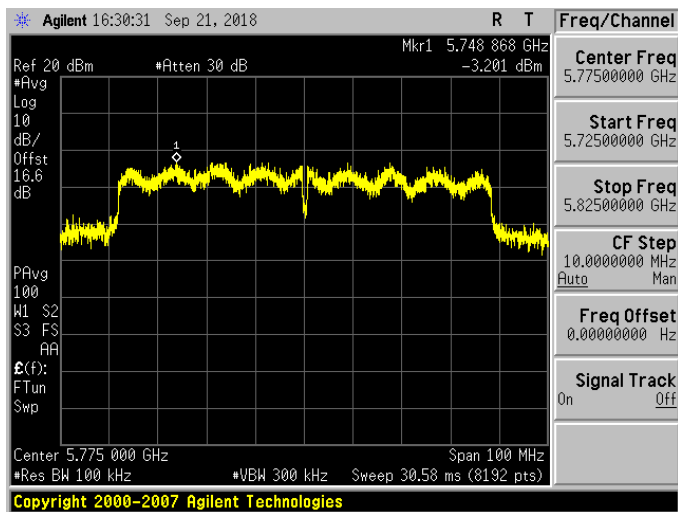
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ANT-1

5210 MHz



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

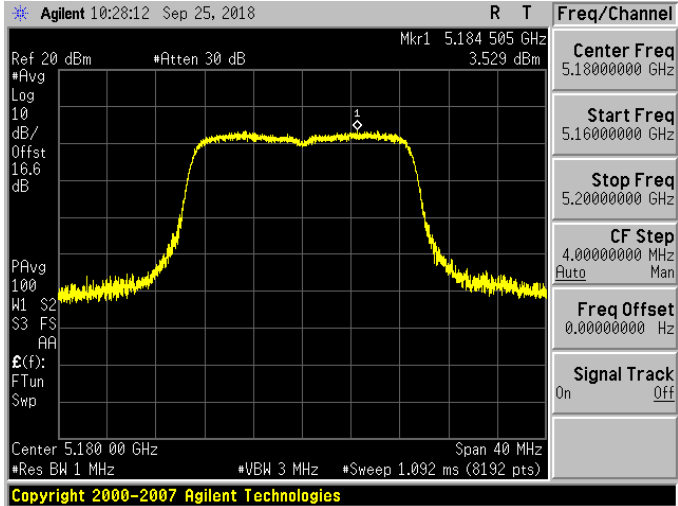
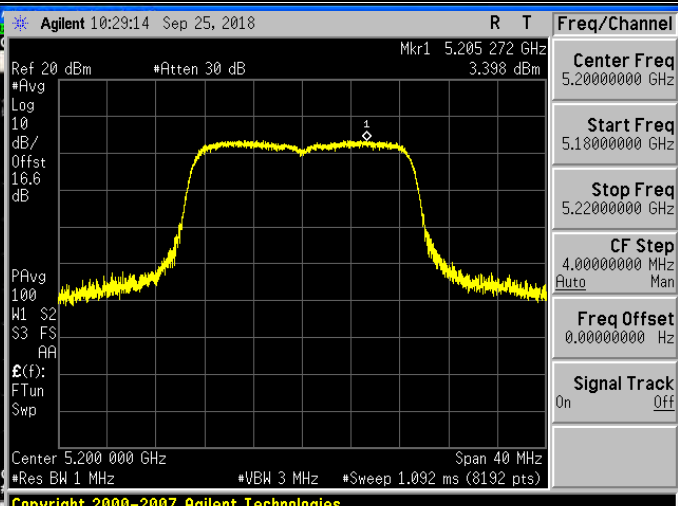
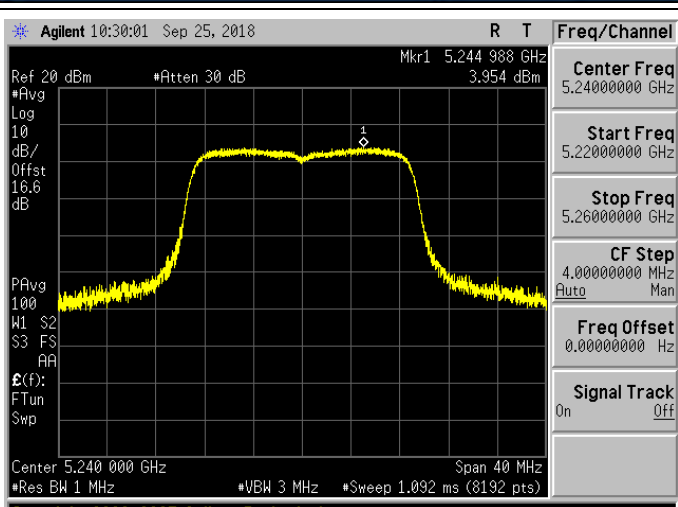
5775 MHz





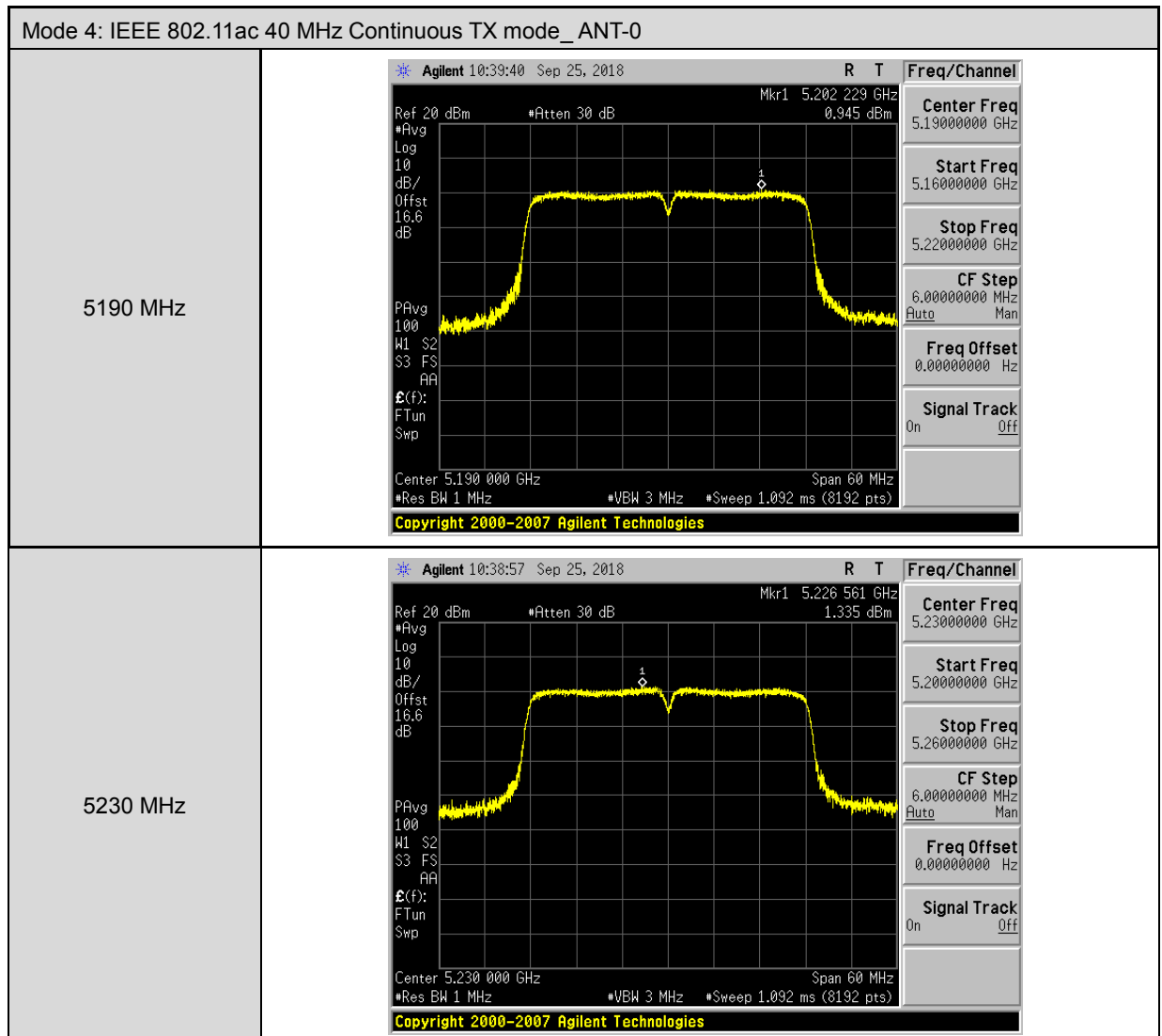
Beamforming on

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

5180 MHz	
5200 MHz	
5240 MHz	

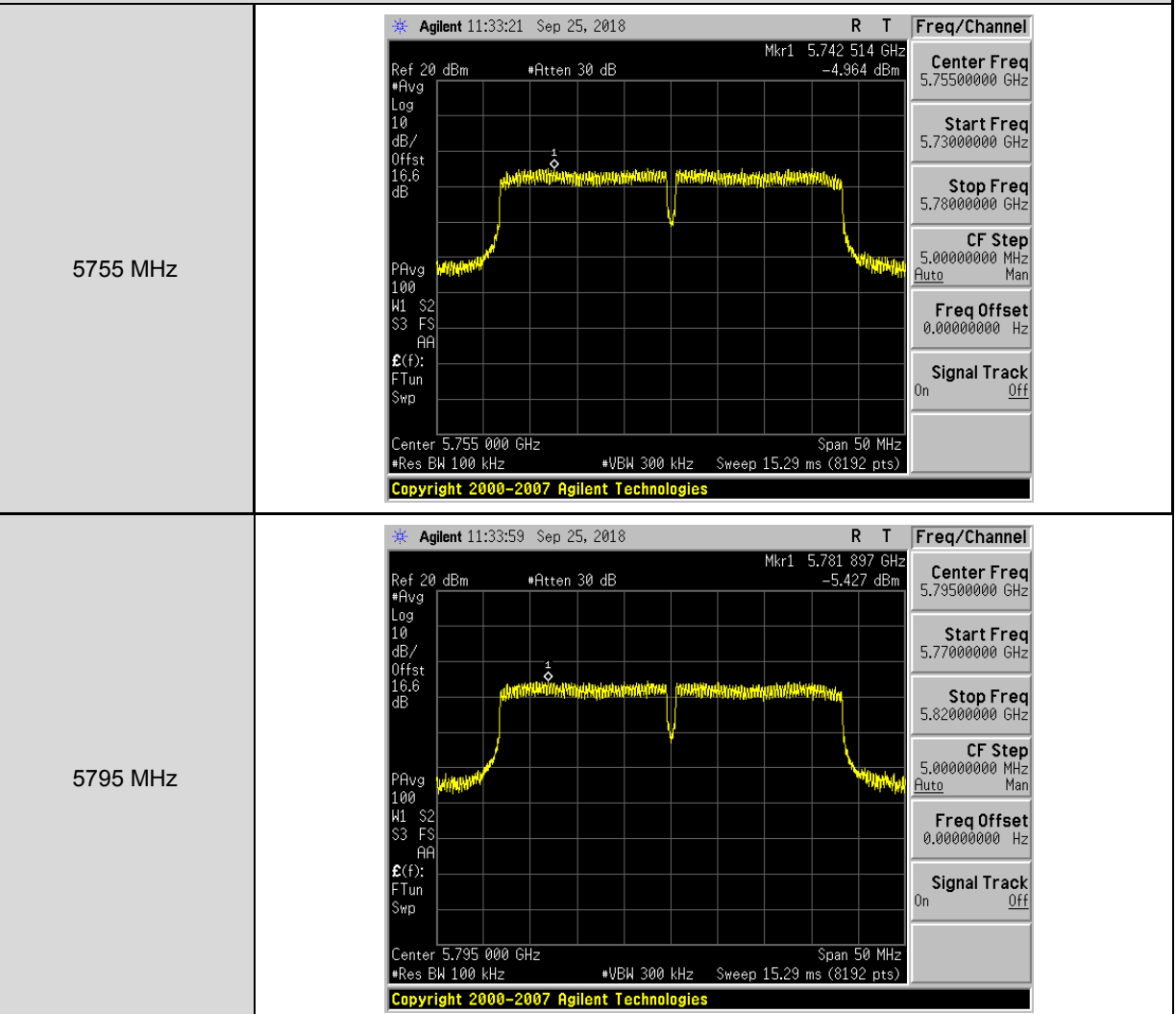


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-0	
5745 MHz	Agilent 13:36:10 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.749 990 GHz -1.205 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA E(f): FTun Swp Center 5.745 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 13:38:20 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.780 039 GHz -2.255 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA E(f): FTun Swp Center 5.785 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 13:39:21 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.818 746 GHz -3.175 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA E(f): FTun Swp Center 5.825 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off



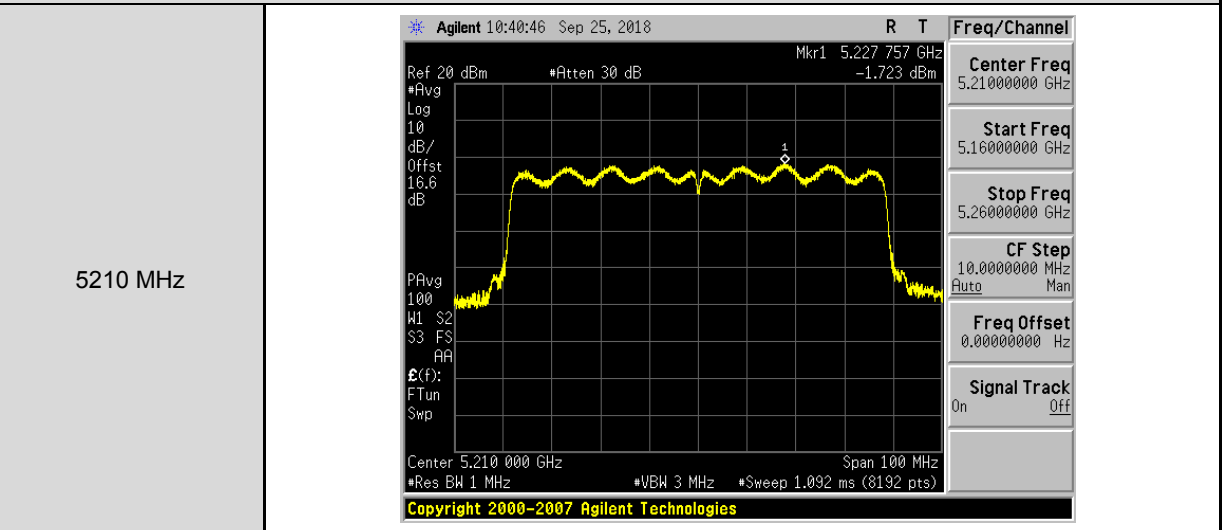


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-0

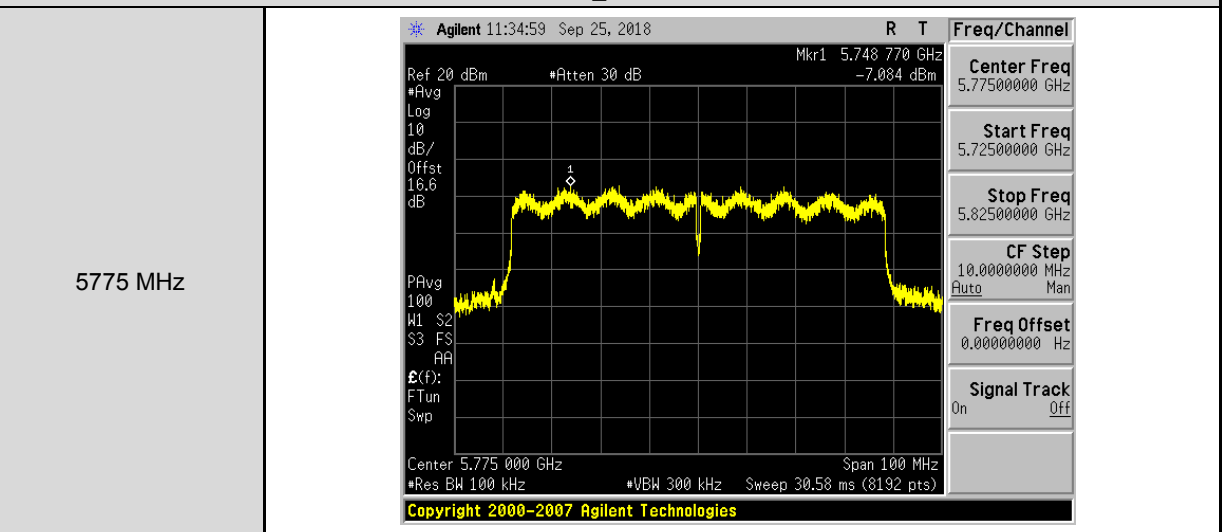




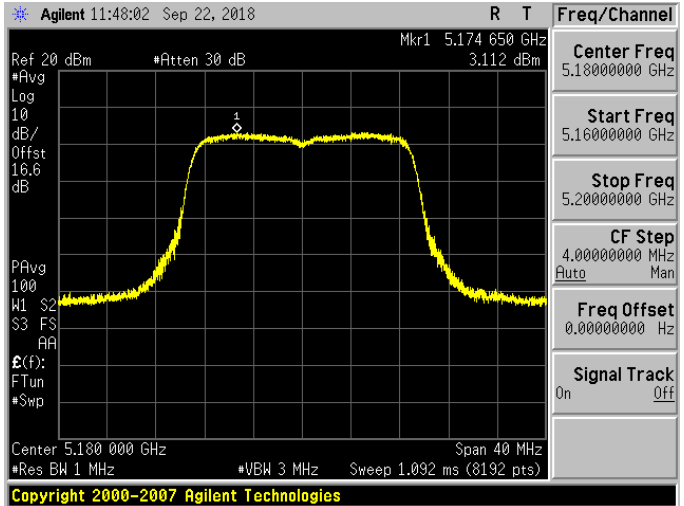
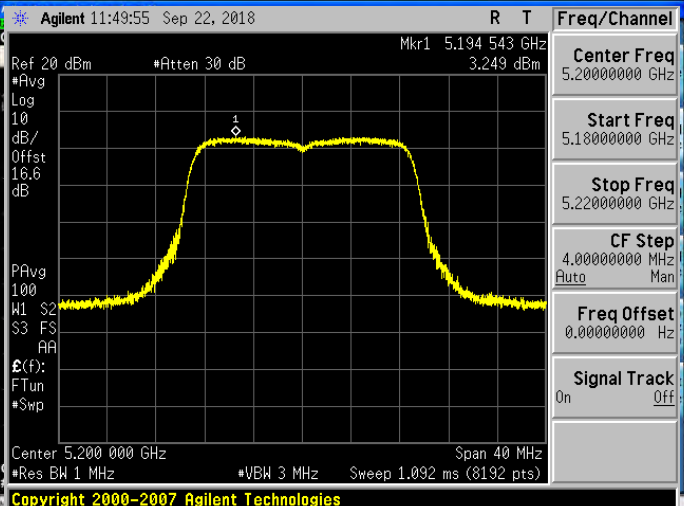
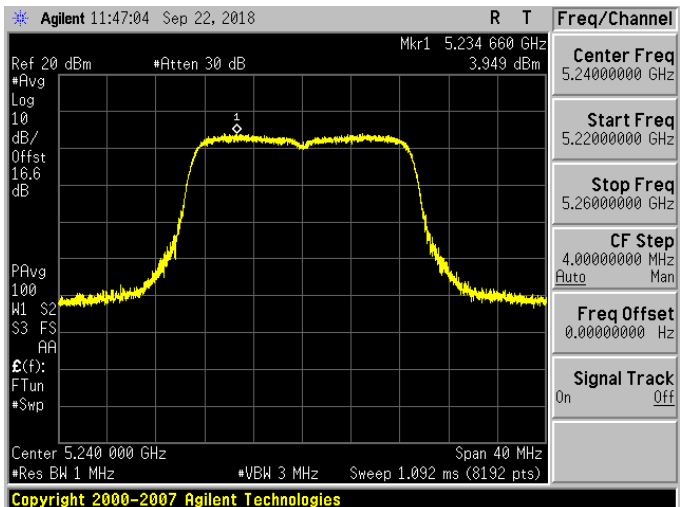
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ANT-0



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

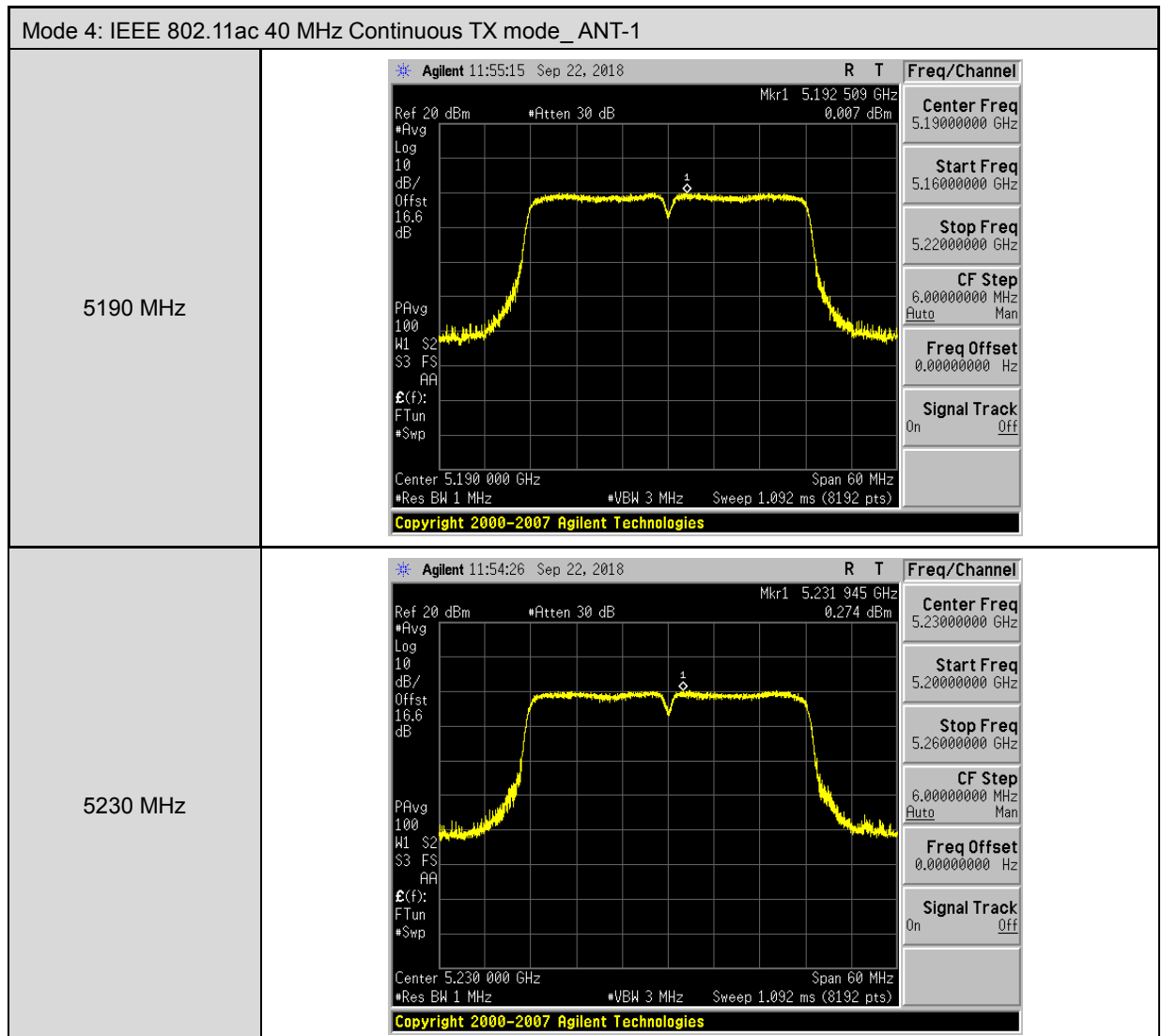




Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1															
5180 MHz	 Agilent 11:48:02 Sep 22, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.174 650 GHz 3.112 dBm Center 5.180 000 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.092 ms (8192 pts) Copyright 2000-2007 Agilent Technologies <table><thead><tr><th colspan="2">Freq/Channel</th></tr></thead><tbody><tr><td>Center Freq</td><td>5.18000000 GHz</td></tr><tr><td>Start Freq</td><td>5.16000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.20000000 GHz</td></tr><tr><td>CF Step</td><td>4.00000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0.00000000 Hz</td></tr><tr><td>Signal Track</td><td>On Off</td></tr></tbody></table>	Freq/Channel		Center Freq	5.18000000 GHz	Start Freq	5.16000000 GHz	Stop Freq	5.20000000 GHz	CF Step	4.00000000 MHz Auto Man	Freq Offset	0.00000000 Hz	Signal Track	On Off
Freq/Channel															
Center Freq	5.18000000 GHz														
Start Freq	5.16000000 GHz														
Stop Freq	5.20000000 GHz														
CF Step	4.00000000 MHz Auto Man														
Freq Offset	0.00000000 Hz														
Signal Track	On Off														
5200 MHz	 Agilent 11:49:55 Sep 22, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.194 543 GHz 3.249 dBm Center 5.200 000 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.092 ms (8192 pts) Copyright 2000-2007 Agilent Technologies <table><thead><tr><th colspan="2">Freq/Channel</th></tr></thead><tbody><tr><td>Center Freq</td><td>5.20000000 GHz</td></tr><tr><td>Start Freq</td><td>5.18000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.22000000 GHz</td></tr><tr><td>CF Step</td><td>4.00000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0.00000000 Hz</td></tr><tr><td>Signal Track</td><td>On Off</td></tr></tbody></table>	Freq/Channel		Center Freq	5.20000000 GHz	Start Freq	5.18000000 GHz	Stop Freq	5.22000000 GHz	CF Step	4.00000000 MHz Auto Man	Freq Offset	0.00000000 Hz	Signal Track	On Off
Freq/Channel															
Center Freq	5.20000000 GHz														
Start Freq	5.18000000 GHz														
Stop Freq	5.22000000 GHz														
CF Step	4.00000000 MHz Auto Man														
Freq Offset	0.00000000 Hz														
Signal Track	On Off														
5240 MHz	 Agilent 11:47:04 Sep 22, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.234 660 GHz 3.949 dBm Center 5.240 000 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.092 ms (8192 pts) Copyright 2000-2007 Agilent Technologies <table><thead><tr><th colspan="2">Freq/Channel</th></tr></thead><tbody><tr><td>Center Freq</td><td>5.24000000 GHz</td></tr><tr><td>Start Freq</td><td>5.22000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.26000000 GHz</td></tr><tr><td>CF Step</td><td>4.00000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0.00000000 Hz</td></tr><tr><td>Signal Track</td><td>On Off</td></tr></tbody></table>	Freq/Channel		Center Freq	5.24000000 GHz	Start Freq	5.22000000 GHz	Stop Freq	5.26000000 GHz	CF Step	4.00000000 MHz Auto Man	Freq Offset	0.00000000 Hz	Signal Track	On Off
Freq/Channel															
Center Freq	5.24000000 GHz														
Start Freq	5.22000000 GHz														
Stop Freq	5.26000000 GHz														
CF Step	4.00000000 MHz Auto Man														
Freq Offset	0.00000000 Hz														
Signal Track	On Off														

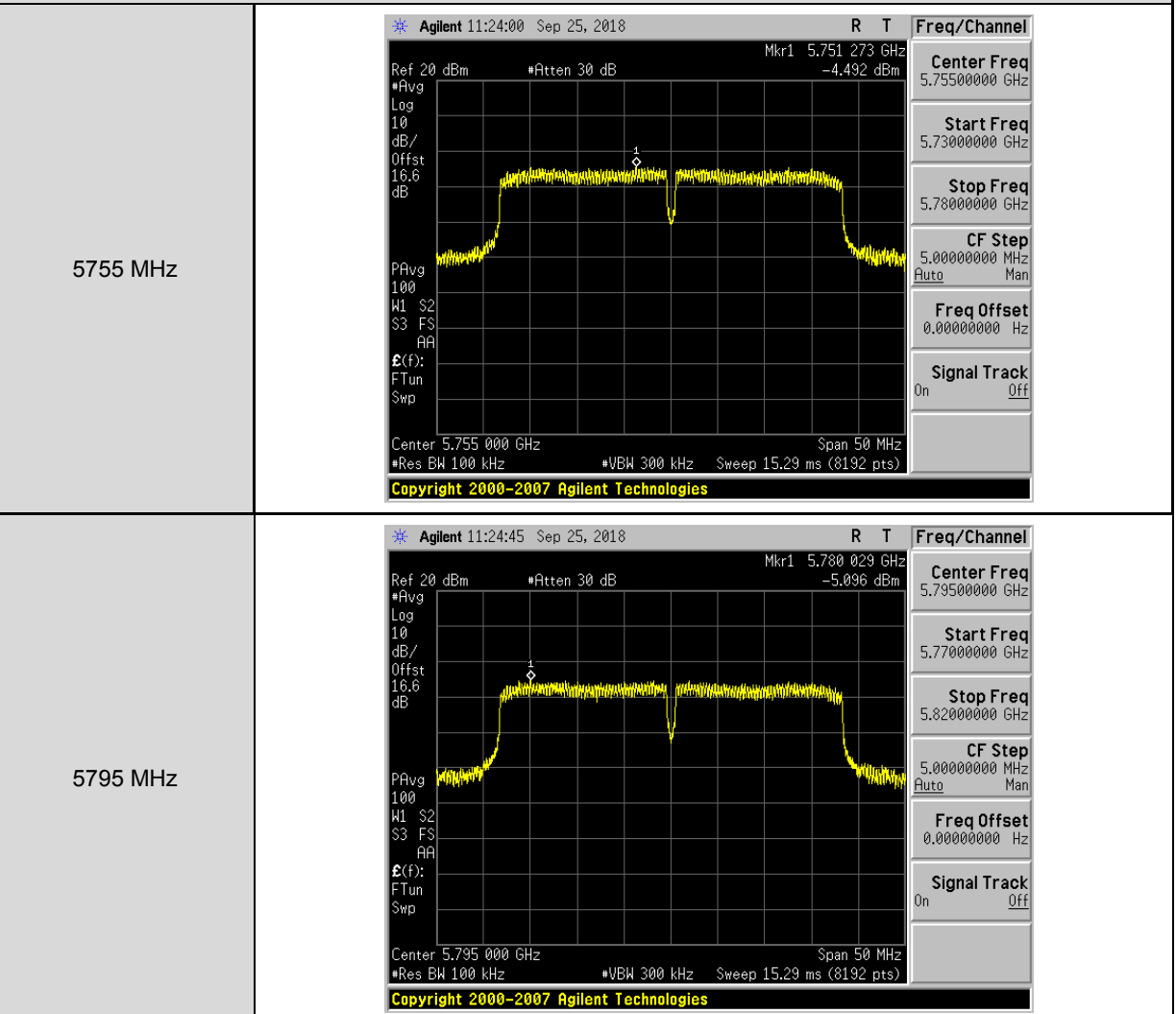


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode _ ANT-1	
5745 MHz	Agilent 11:22:31 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.750 649 GHz -1.213 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.745 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.74500000 GHz Start Freq 5.73000000 GHz Stop Freq 5.76000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5785 MHz	Agilent 11:21:47 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.777 549 GHz -2.051 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.785 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.78500000 GHz Start Freq 5.77000000 GHz Stop Freq 5.80000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
5825 MHz	Agilent 11:20:58 Sep 25, 2018 Ref 20 dBm #Atten 30 dB Mkr1 5.830 642 GHz -1.330 dBm Log 10 dB/ Offst 16.6 dB PAvg 100 W1 S2 S3 FS ARA Ⓔ(f): FTun Swp Center 5.825 000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.283 ms (8192 pts) Span 30 MHz Copyright 2000-2007 Agilent Technologies Freq/Channel Center Freq 5.82500000 GHz Start Freq 5.81000000 GHz Stop Freq 5.84000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off





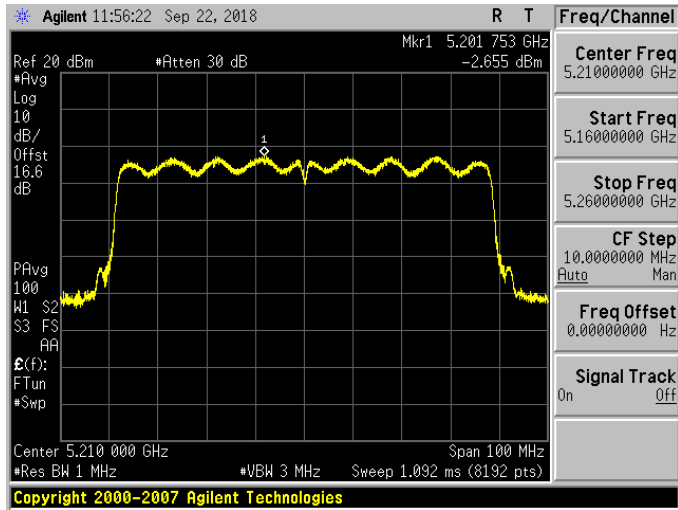
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1





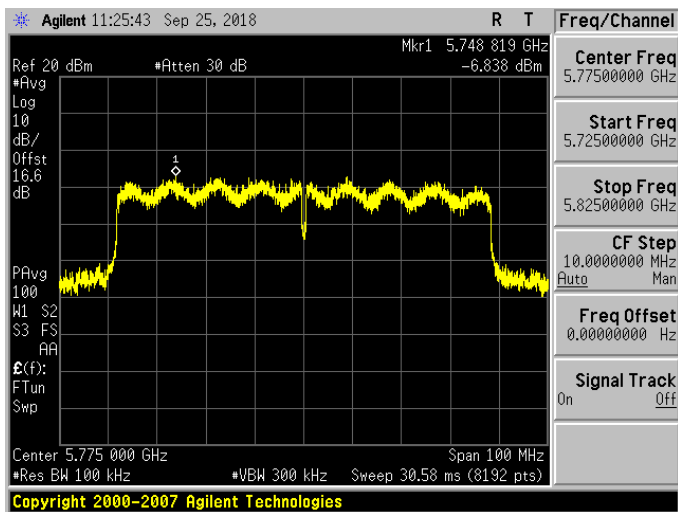
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode _ANT-1

5210 MHz



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

5775 MHz





5.7. Frequency Stability Measurement

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	0	120	5199.985	-15000	-2.885	Pass
	10		5199.9939	-6100	-1.173	Pass
	20		5199.9967	-3300	-0.635	Pass
	30		5200.0059	5900	1.135	Pass
	40		5200.0203	20300	3.904	Pass
5785 MHz	0	120	5784.9818	-18200	-3.146	Pass
	10		5784.9882	-11800	-2.040	Pass
	20		5784.9959	-4100	-0.709	Pass
	30		5785.0107	10700	1.850	Pass
	40		5785.0238	23800	4.114	Pass

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138.00	5199.9938	-6200	-1.192	Pass
		120.00	5199.9947	-5300	-1.019	Pass
		102.00	5200.0113	11300	2.173	Pass
5785 MHz	20	138.00	5784.9819	-18100	-3.129	Pass
		120.00	5785.0008	800	0.138	Pass
		102.00	5785.0125	12500	2.161	Pass

Note: The manufacturer's frequency stability specification is better than 20 ppm.



Beamforming on

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	0	120	5199.9175	-82500	-15.865	Pass
	10		5199.9979	-2100	-0.404	Pass
	20		5199.9987	-1300	-0.250	Pass
	30		5200.0119	11900	2.288	Pass
	40		5200.0213	21300	4.096	Pass
5785 MHz	0	120	5784.9808	-19200	-3.319	Pass
	10		5784.9872	-12800	-2.213	Pass
	20		5784.9959	-4100	-0.709	Pass
	30		5785.0157	15700	2.714	Pass
	40		5785.0268	26800	4.633	Pass

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138.00	5199.9948	-5200	-1.000	Pass
		120.00	5199.9959	-4100	-0.788	Pass
		102.00	5200.0143	14300	2.750	Pass
5785 MHz	20	138.00	5784.9839	-16100	-2.783	Pass
		120.00	5785.0007	700	0.121	Pass
		102.00	5785.0185	18500	3.198	Pass

Note: The manufacturer's frequency stability specification is better than 20 ppm.