RF Test Report

Applicant	:	EnGenius Technologies
Product Type	:	11ax Indoor Managed Access Point (For：EWS377AP v3) 11ax Cloud Managed Access Point (For：ECW230 v3)
Trade Name	:	EnGenius
Model Number	:	EWS377AP v3, ECW230 v3
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Received Date	:	May 13, 2020
Test Period	:	Jun. 03 ~ Jul. 10, 2020
Issued Date	:	Aug. 26, 2020

Issued by

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

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz
Test Firm MRA designation number: TW0010

Note:

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

Revision History

Rev.	Issued Date	Revisions	Revised By
00	Jul. 28, 2020	Initial Issue	Snow Wang
01	Aug. 26, 2020	Page 9 Revised Original Report number. Page 10 Revised EUT model. Page 22 Revised Note. Page 42-43 Add Conducted Emission Test Data. Page 228-229 Revised Test Data.	Yu Chiang

Verification of Compliance

Applicant	:	EnGenius Technologies
Product Type	:	11ax Indoor Managed Access Point (For：EWS377AP v3) 11ax Cloud Managed Access Point (For：ECW230 v3)
Trade Name	:	EnGenius
Model Number	:	EWS377AP v3, ECW230 v3
FCC ID	:	A8J-EWS377APV3
EUT Rated Voltage	:	DC 12 V, 2.5 A (DC Power Adapter) DC 54 V, 0.6 A (PoE injector (802.3af/at))
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Test Result	:	Complied
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C.) Tel：+86-3-2710188 / Fax：+86-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

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

Approved By : Fly Lu

(Manager) (Fly Lu)

TABLE OF CONTENTS

1 General Information

1.1. Summary of Test Result

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

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

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

1.2. Measurement Uncertainty

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

2 EUT Description

Applicant	EnGenius Technologies 1580 Scenic Avenue, Costa Mesa, CA 92626				
Manufacturer	EnGenius Networks. Inc. No.500, Fusing 3rd Rd., Hwa-Ya Technology Park Kuei-Shan Dist., Taoyuan City, Taiwan (R.O.C.)				
Product Type	11ax Indoor Managed Access Point (For：EWS377AP v3) 11ax Cloud Managed Access Point (For：ECW230 v3)				
Trade Name	EnGenius				
Model Number	EWS377AP v3, ECW230 v3				
Difference description of product type/ model number	Differences are due to selling region.				
FCC ID	A8J-EWS377APV3				
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/ IEEE 802.11ax 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/ IEEE 802.11ax 40 MHz	U-NII Band I	5190 – 5230	2	
		U-NII Band III	5755 – 5795	2	
	IEEE 802.11ac 80 MHz/ IEEE 802.11ax 80 MHz	U-NII Band I	5210	1	
		U-NII Band III	5775	1	
Modulation Type	OFDM/OFDMA				
Antenna information	Antenna	Model	Type	Max. Gain (dBi)	
	ANT-0	5718A0518300	PIFA Antenna	U-NII Band I	5.13
				U-NII Band III	5.19
	ANT-1	5718A0522300	PIFA Antenna	U-NII Band I	4.26
				U-NII Band III	3.81
	ANT-2	5718A0520300	PIFA Antenna	U-NII Band I	4.03
				U-NII Band III	4.56
	ANT-3	5718A0521300	PIFA Antenna	U-NII Band I	5.04
				U-NII Band III	5.04
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ 40 ℃				

Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.189
	U-NII Band III	0.351
IEEE 802.11ac 20 MHz	U-NII Band I	0.342
	U-NII Band III	0.338
IEEE 802.11ac 40 MHz	U-NII Band I	0.362
	U-NII Band III	0.359
IEEE 802.11ac 80 MHz	U-NII Band I	0.176
	U-NII Band III	0.344
IEEE 802.11ax 20 MHz	U-NII Band I	0.361
	U-NII Band III	0.359
IEEE 802.11ax 40 MHz	U-NII Band I	0.377
	U-NII Band III	0.369
IEEE 802.11ax 80 MHz	U-NII Band I	0.164
	U-NII Band III	0.356

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band I	0.084
	U-NII Band III	0.083
IEEE 802.11ac 40 MHz	U-NII Band I	0.086
	U-NII Band III	0.085
IEEE 802.11ac 80 MHz	U-NII Band I	0.040
	U-NII Band III	0.081
IEEE 802.11ax 20 MHz	U-NII Band I	0.089
	U-NII Band III	0.088
IEEE 802.11ax 40 MHz	U-NII Band I	0.087
	U-NII Band III	0.087
IEEE 802.11ax 80 MHz	U-NII Band I	0.038
	U-NII Band III	0.086

EUT Modify Description：

Modify Description: (1)The differences between the original EUT and new one: a. Remove a USB Port, a Ethernet RJ45 Port, HW Watchdog IC, Scanning Radio, Flash NOR and Bluetooth LE function. b. In new one, DDR4 RAM is 1 GB. (2)Update applicant name, applicant address, manufacture name, manufacture address, product type, model number, trade name, FCC ID and product's appearance. After the verification of worst cast of AC Power Conducted Emission and Transmitter Radiated Emissions, all test data can be referred to the original report and showed in this report.
Original Report : 2007FR24 Rev.01 Modify: 2007FR29 Rev.01

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

3 Test Methodology

3.1. Mode of Operation

In the test report use EUT model: EWS377AP v3 to operate testing.
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
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode
Mode 7: IEEE 802.11ax 40 MHz Continuous TX mode
Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode

Software used to control the EUT for staying in continuous transmitting mode was programmed.
After verification, all tests were carried out with the worst case test modes.

Note：EUT only supports Full RU。

Test Mode	ANT-0	ANT-1	ANT-2	ANT-3	ANT-0+1+2+3
Mode 2	V	V	V	V	V
Mode 3	V	V	V	V	V
Mode 4	V	V	V	V	V
Mode 5	V	V	V	V	V
Mode 6	V	V	V	V	V
Mode 7	V	V	V	V	V
Mode 8	V	V	V	V	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	4TX (CDD)	6	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 3	4TX (STBC/Beamforming on)	26	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 4	4TX (STBC/Beamforming on)	54	U-NII Band I	38, 46
			U-NII Band III	151,159
Mode 5	4TX (STBC/Beamforming on)	117.2	U-NII Band I	42
			U-NII Band III	155
Mode 6	4TX (STBC/Beamforming on)	MCS 0	U-NII Band I	36, 40, 48
			U-NII Band III	149, 157, 165
Mode 7	4TX (STBC/Beamforming on)	MCS 0	U-NII Band I	38, 46
			U-NII Band III	151,159
Mode 8	4TX (STBC/Beamforming on)	MCS 0	U-NII Band I	42
			U-NII Band III	155

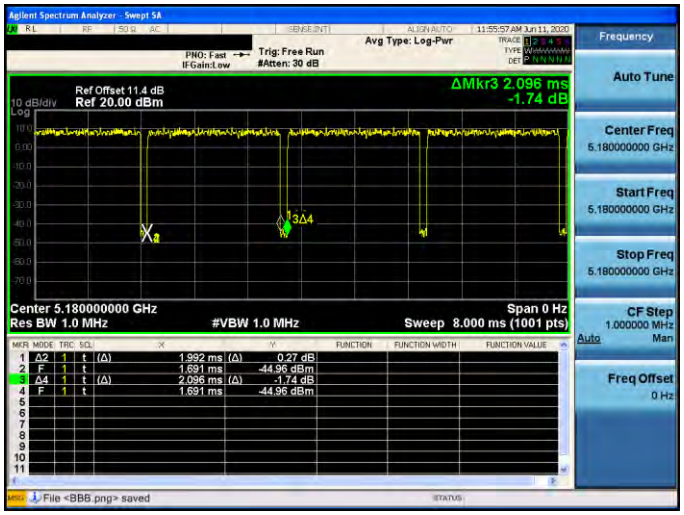
Duty cycle

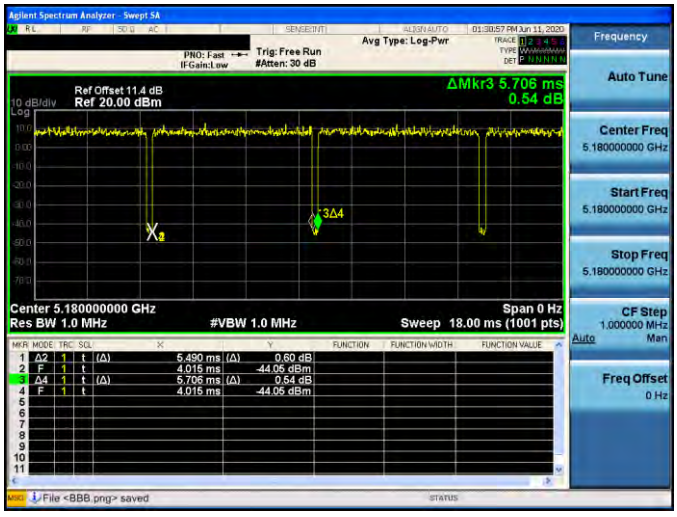
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5180.0	1.992	2.096	0.950	0.221	0.502
Mode 3	5180.0	5.490	5.706	0.962	0.168	0.182
Mode 4	5190.0	5.460	5.760	0.948	0.232	0.183
Mode 5	5210.0	5.460	5.775	0.945	0.244	0.183
Mode 6	5180.0	5.500	5.660	0.972	0.125	0.182
Mode 7	5190.0	5.500	5.740	0.958	0.185	0.182
Mode 8	5210.0	5.460	5.740	0.951	0.217	0.183

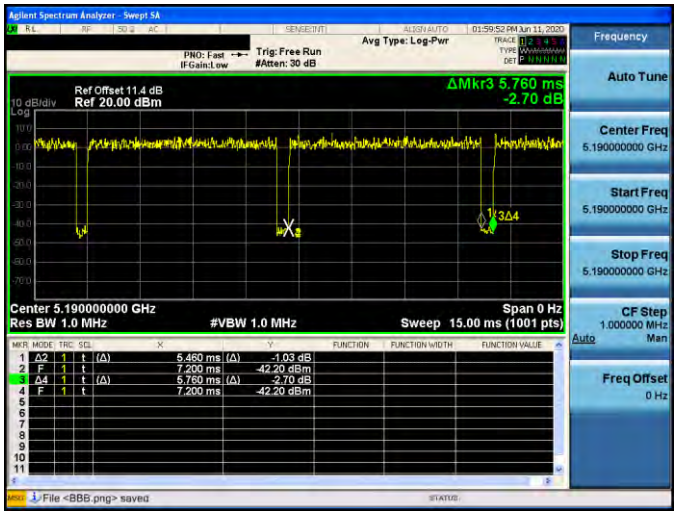
Beamforming on

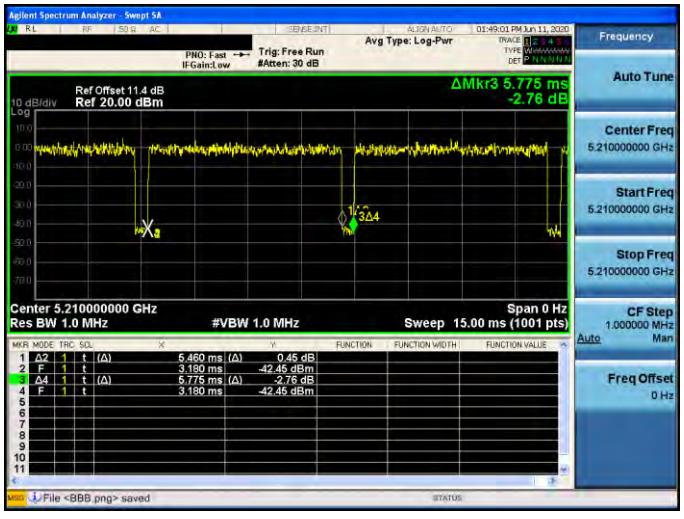
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 3	5180.0	5.490	5.706	0.962	0.168	0.182
Mode 4	5190.0	5.460	5.760	0.948	0.232	0.183
Mode 5	5210.0	5.460	5.775	0.945	0.244	0.183
Mode 6	5180.0	5.500	5.660	0.972	0.125	0.182
Mode 7	5190.0	5.500	5.740	0.958	0.185	0.182
Mode 8	5210.0	5.460	5.740	0.951	0.217	0.183

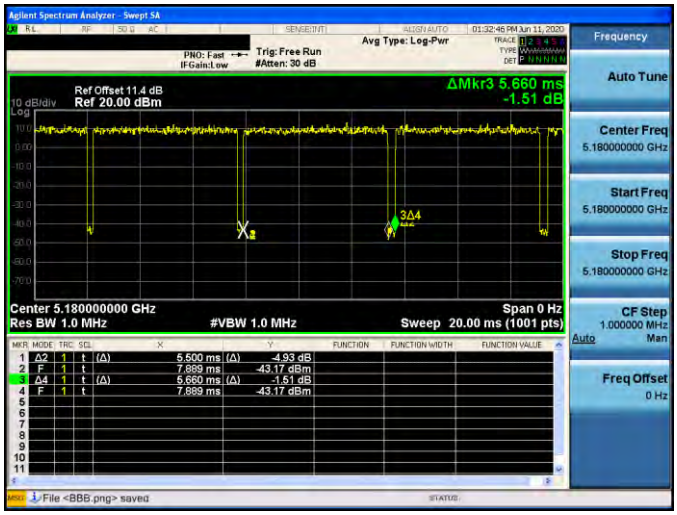
Duty Cycle Graphs

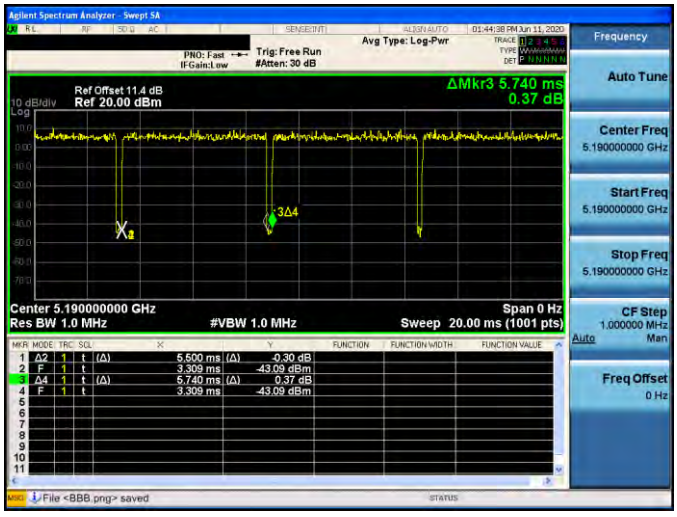
Mode 2: IEEE 802.11a Continuous TX mode	
On+off time	

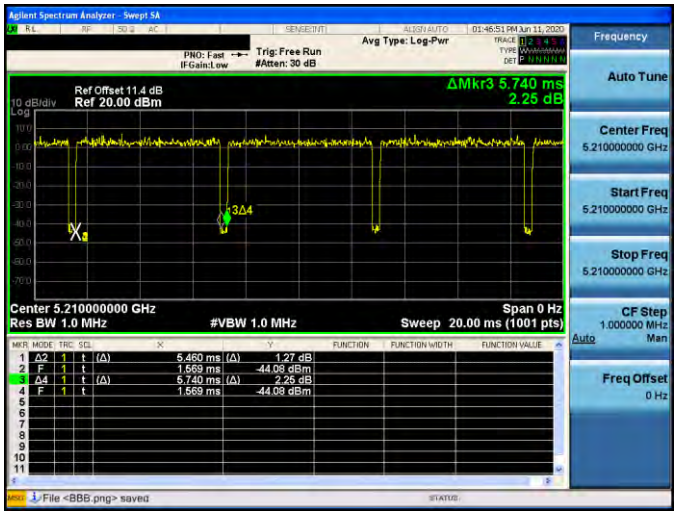
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
On+off time	

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
On+off time	

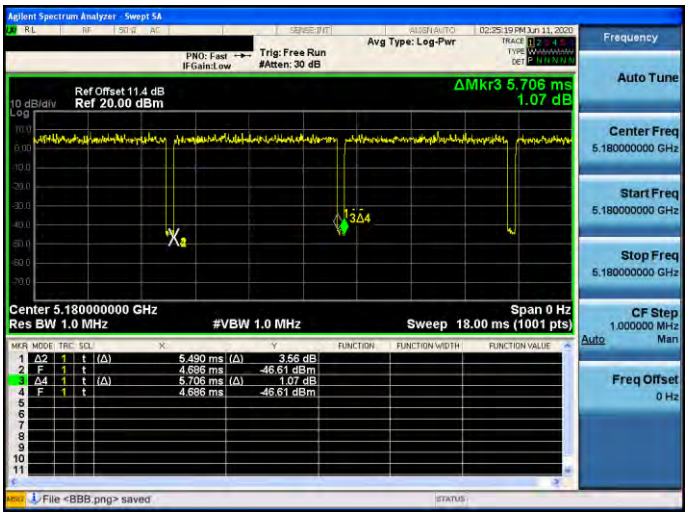
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
On+off time	

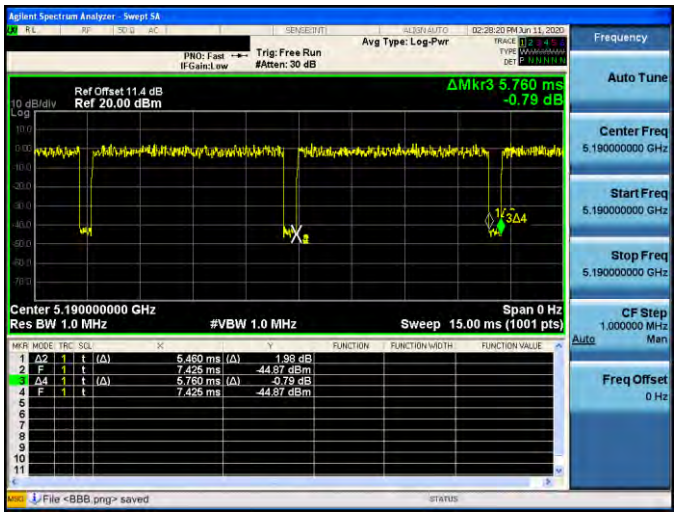
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode	
On+off time	

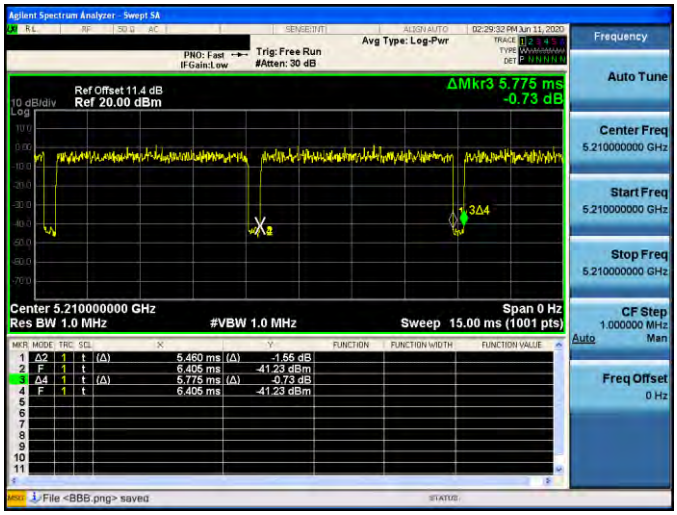
Mode 7: IEEE 802.11ax 40 MHz Continuous TX mode	
On+off time	

Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode	
On+off time	

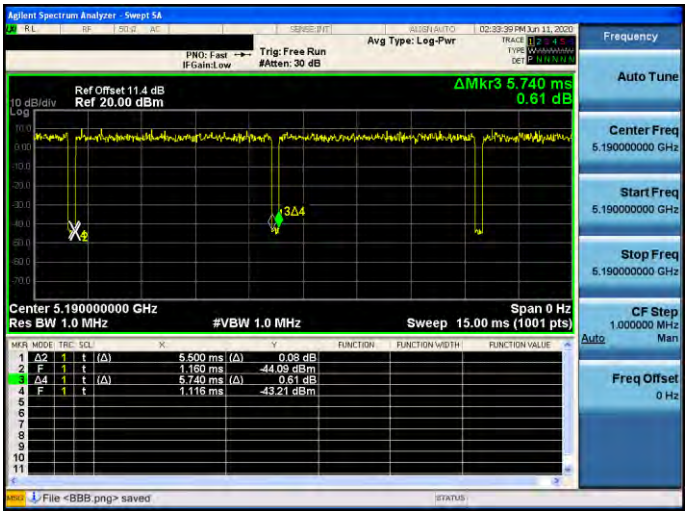
Beamforming on

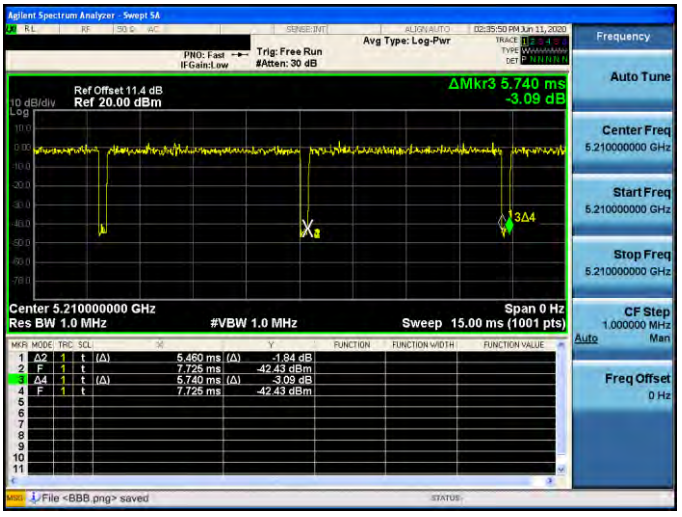
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode	
On+off time	

Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode	
On+off time	

Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode	
On+off time	

Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode	
On+off time	

Mode 7: IEEE 802.11ax 40 MHz Continuous TX mode	
On+off time	

Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode	
On+off time	

3.2. EUT Test Step

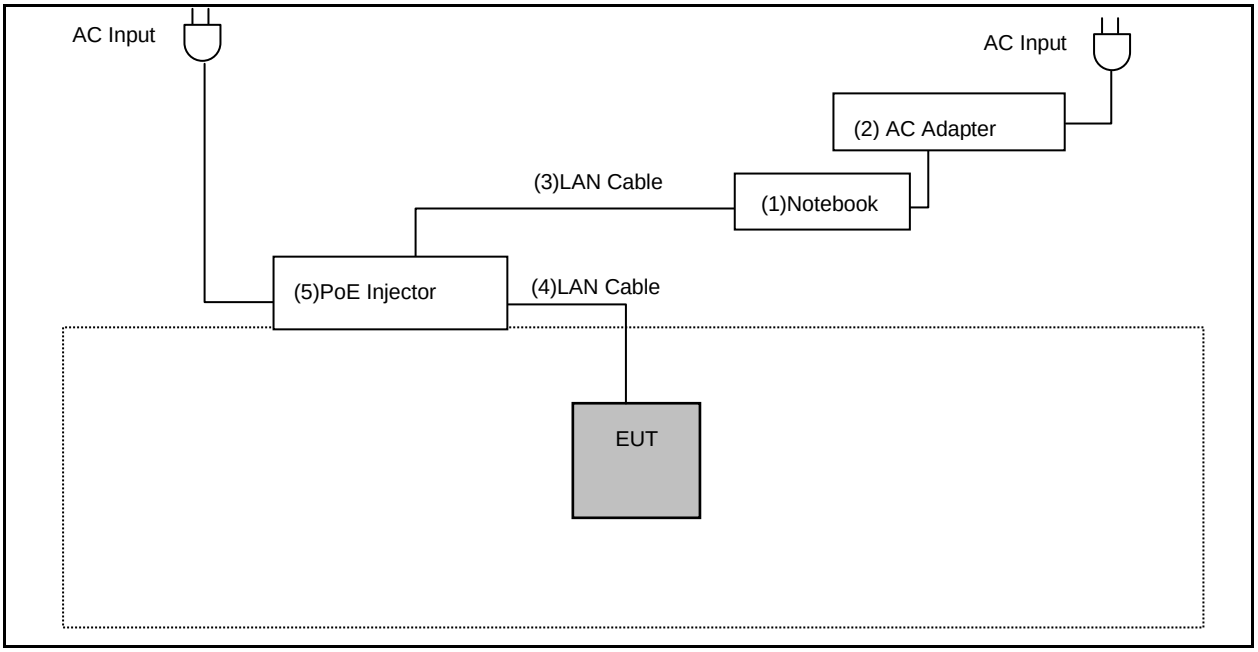
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

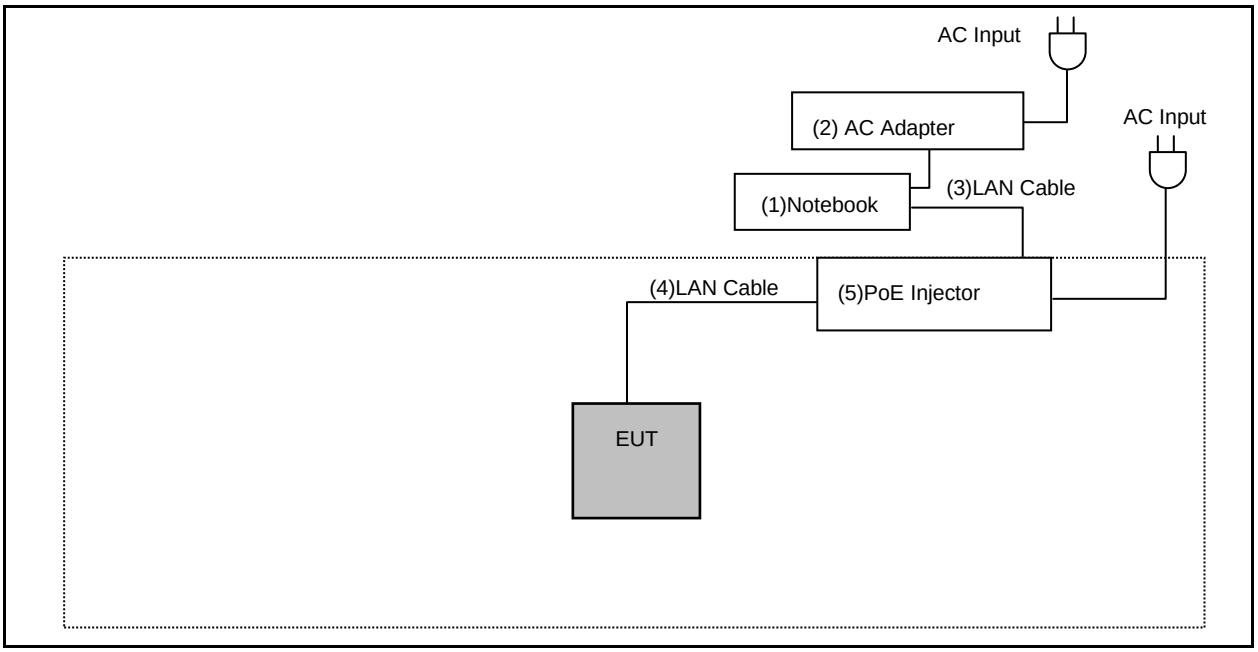
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emissions



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Remark
(1)	Notebook	DELL	LATITUDE E6440	5HZBD72	---
(2)	AC Adapter	DELL	HA65NM130	---	INPUT : 100-240 VAC, 50/60 Hz, 1.7 A OUTPUT : 19.5 VDC, 3.34 A Non-Shielded, 1.7 m
(3)	LAN Cable	WINKEY ENTERPRISE CO., LTD.	CY-SZ-141224	---	---
(4)	LAN Cable	WINKEY ENTERPRISE CO., LTD.	CY-SZ-141224	---	---
(5)	PoE Injector	emplus	EPA5006GAT	---	INPUT : 100-240 VAC, 50-60 Hz, 0.8 A OUTPUT : 54 VDC, 0.6 A
(6)	AC Adapter	SPC	ZZU1588-250120-2A	---	INPUT : 100-240 VAC, 50-60 Hz, 1.5 A OUTPUT : 12.0 VDC, 2.5 A

Note: The device used (6)AC Adapter and (5)PoE Injector to evaluation AC Power line Conducted Emission, (5)POE Injector is worst case to perform testing.

3.4. Test Instruments

For Conducted Emission
Test Period: Jul. 10, 2020
Testing Engineer: Paul Chiu

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

For Radiated Emissions
Test Period: Jun. 03 ~ Jul. 04, 2020
Testing Engineer: Ricky Liu / J.S. Liao / Marc Yeh

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/13/2020	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/18/2019	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/15/2020	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/23/2019	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/27/2020	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2020	1 year
Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	10/29/2019	1 year
Microwave Cable	EMCI	EMC102-KM-KM-14000	151001	02/20/2020	1 year

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

For Conducted
Test Period: Jun. 10 ~ Jun. 20, 2020
Testing Engineer: Peter Shui

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Power Sensor	Anritsu	MA2411B	1126022	09/02/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/02/2019	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year

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

3.5. Test Site Environment

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

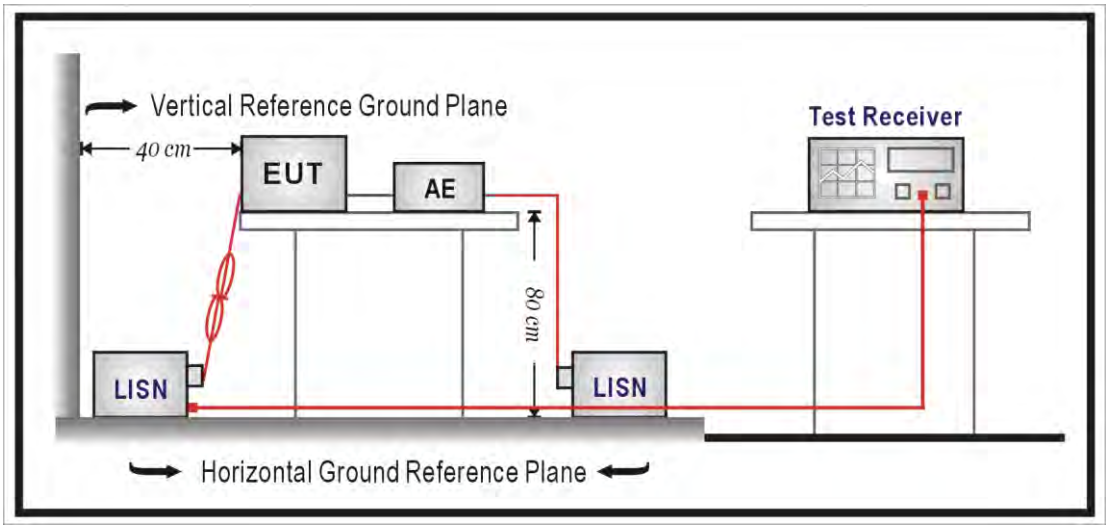
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ **Limit**

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

■ **Test Setup**



■ **Test Procedure**

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ **Limit**

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

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

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

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

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

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

(2)Limits of Radiated Emission Measurement

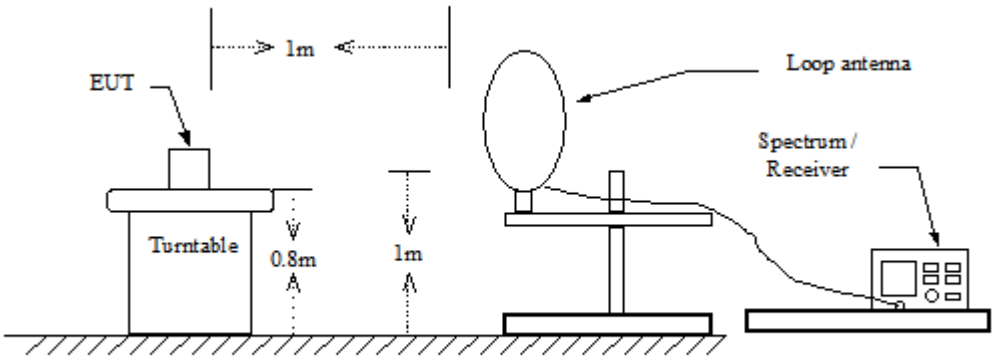
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

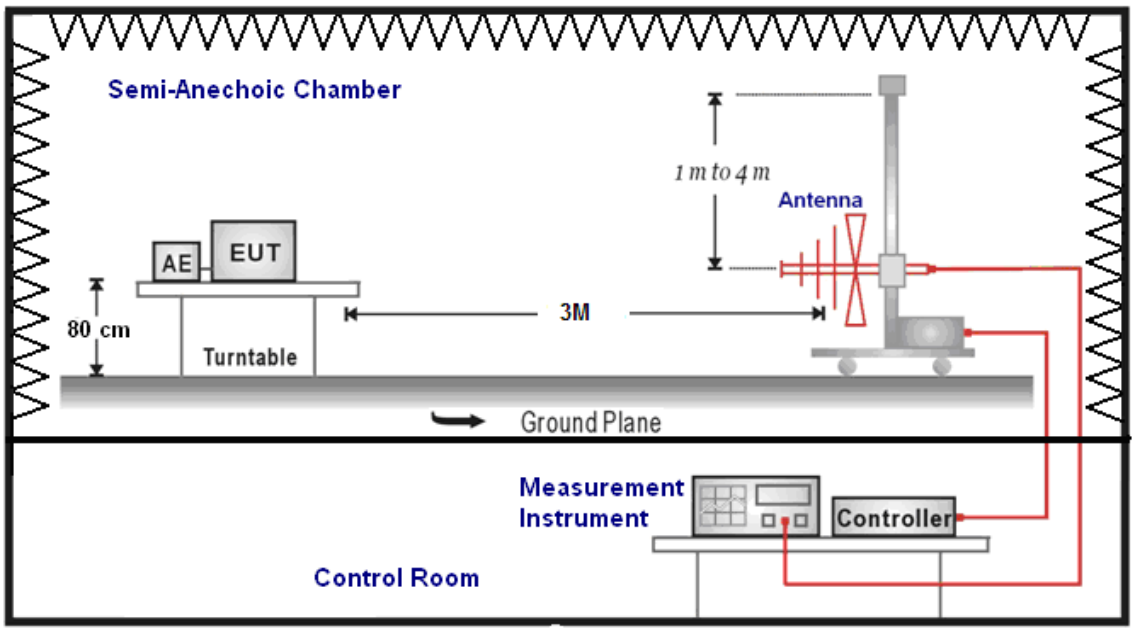
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed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

■ **Setup**

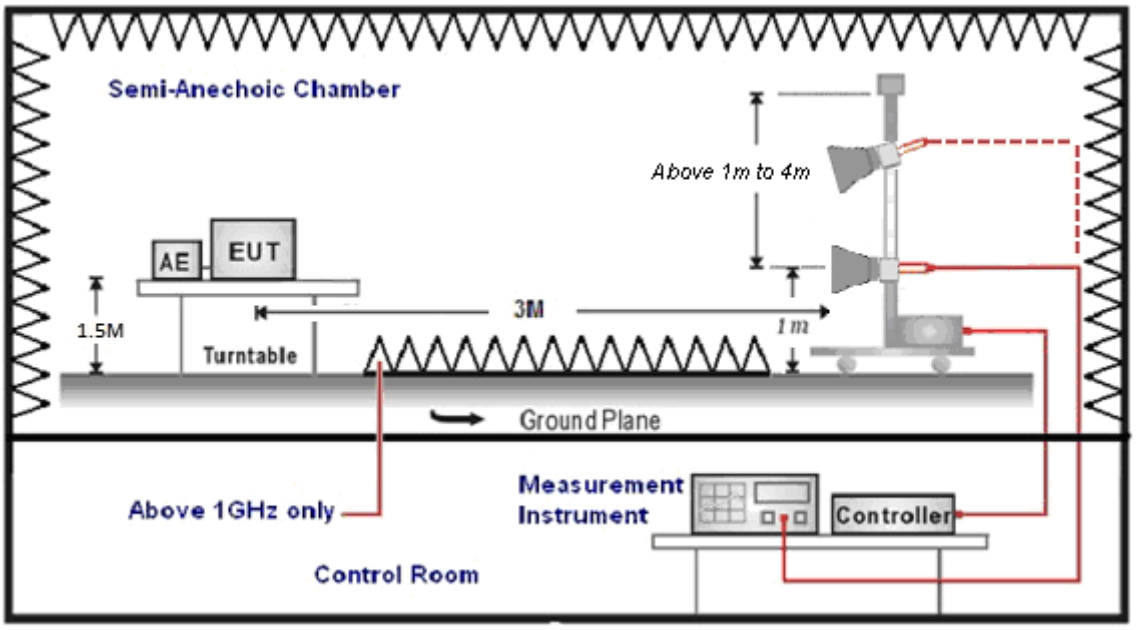
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz


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

■ **Test Procedure**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Measuring Instruments and setting

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

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

4.3. Maximum Conducted Output Power Measurement

■ **Limit**

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

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

CDD and STBC mode:

5.150 ~ 5.250 GHz

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.64 dBi < 6dBi

5.725 ~ 5.850 GHz

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.68 dBi < 6dBi

BF mode:

5.150 ~ 5.250 GHz

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 10.65 dBi > 6dBi

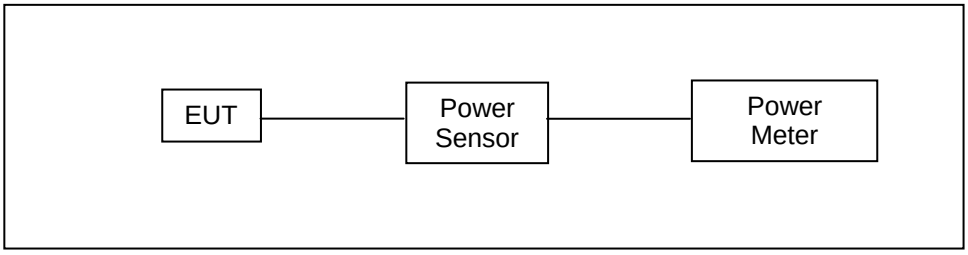
∗ power limit shall be reduced = 30 - 4.65 = 25.35 dBm

5.725 ~ 5.850 GHz

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 10.69 dBi > 6dBi

∗ power limit shall be reduced = 30 - 4.69 = 25.31 dBm

■ **Test Setup**



■ **Test Procedure**

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

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

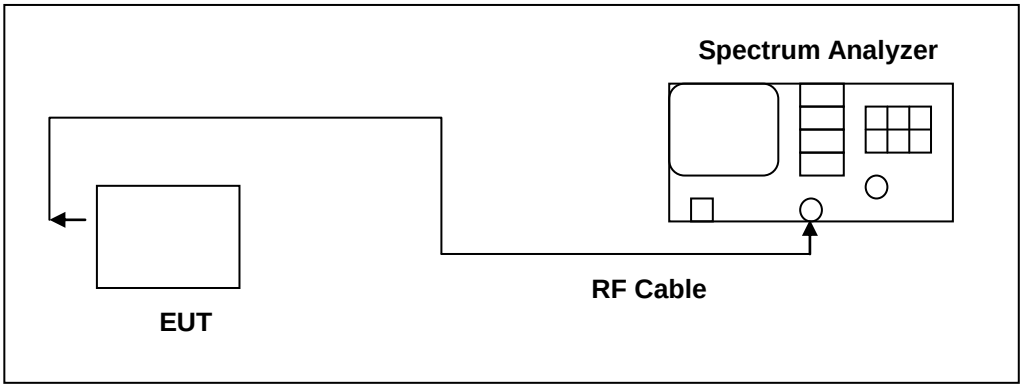
b) Method PM-G (Measurement using a gated RF average power meter)

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

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

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

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

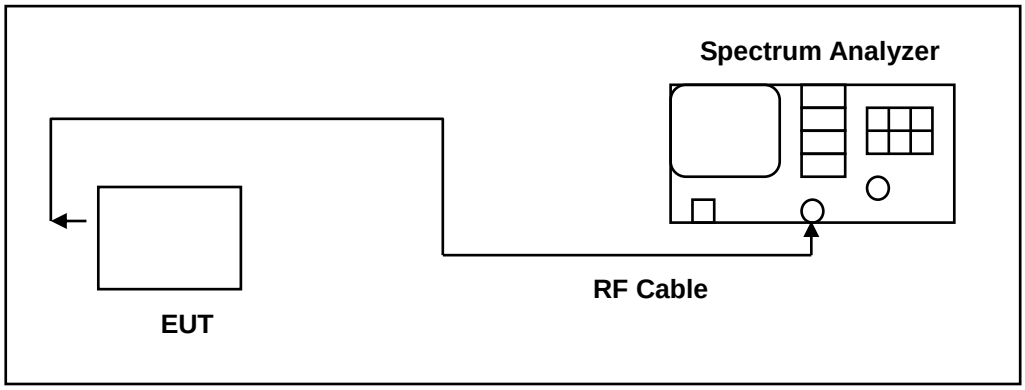
4.5. 6 dB RF Bandwidth Measurement

■ **Limit**

6 dB RF Bandwidth

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

■ **Test Setup**



■ **Test Procedure**

6 dB RF Bandwidth

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

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

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

■ **Limit**

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

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

STBC mode:

5.150 ~ 5.250 GHz

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.64 dBi < 6dBi

5.725 ~ 5.850 GHz

Directional = $G_{ANT=}$10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 4.68 dBi < 6dBi

CDD/BF mode:

5.150 ~ 5.250 GHz

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 10.65 dBi > 6dBi

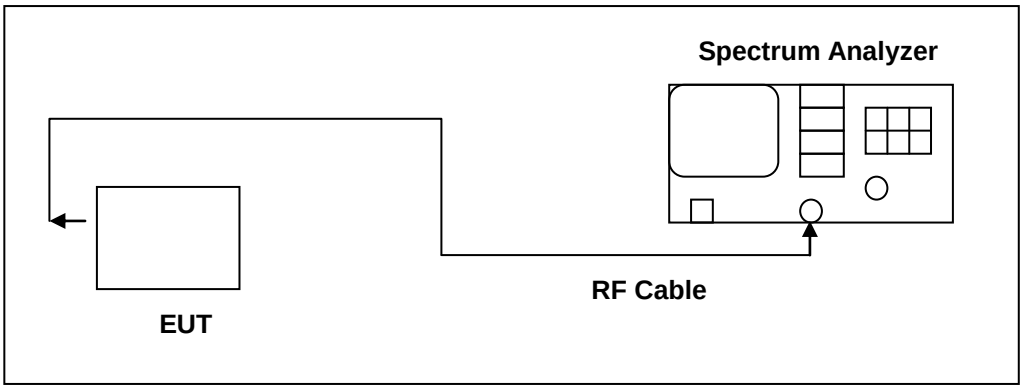
∗ power spectral density limit shall be reduced = 17 – 4.65 = 12.35 dBm/MHz

5.725 ~ 5.850 GHz

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 10.69 dBi > 6dBi

∗ power spectral density limit shall be reduced = 30 – 4.69 = 25.31 dBm/500 kHz

■ **Test Setup**



■ **Test Procedure**

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

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

4.7. Automatically discontinue transmission

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

- **Declare**

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

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

4.8. Antenna Requirement

- **Limit**

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And According to 15.407 (a), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- **Antenna Connector Construction**

See section 2 – antenna information.

■ **Directional Gain Calculated**

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ac 20 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ac 40 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ac 80 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 20 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 40 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 80 MHz	U-NII Band I	4.64
	U-NII Band III	4.68

For Maximum Power Density

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ac 20 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ac 40 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ac 80 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 20 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 40 MHz	U-NII Band I	4.64
	U-NII Band III	4.68
IEEE 802.11ax 80 MHz	U-NII Band I	4.64
	U-NII Band III	4.68

Beamforming on

For Maximum Conducted Output Power

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ac 40 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ac 80 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 20 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 40 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 80 MHz	U-NII Band I	10.65
	U-NII Band III	10.69

For Maximum Power Density

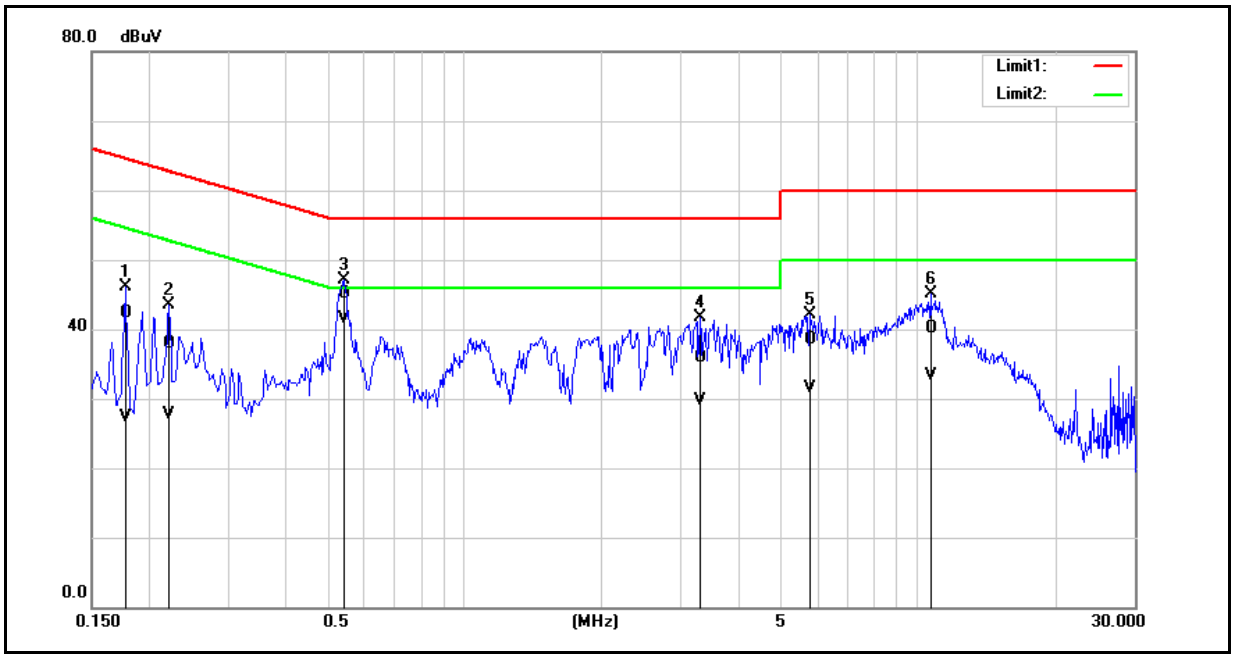
Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ac 40 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ac 80 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 20 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 40 MHz	U-NII Band I	10.65
	U-NII Band III	10.69
IEEE 802.11ax 80 MHz	U-NII Band I	10.65
	U-NII Band III	10.69

5 Test Results

Annex A. Conducted Emission

POE Injector

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

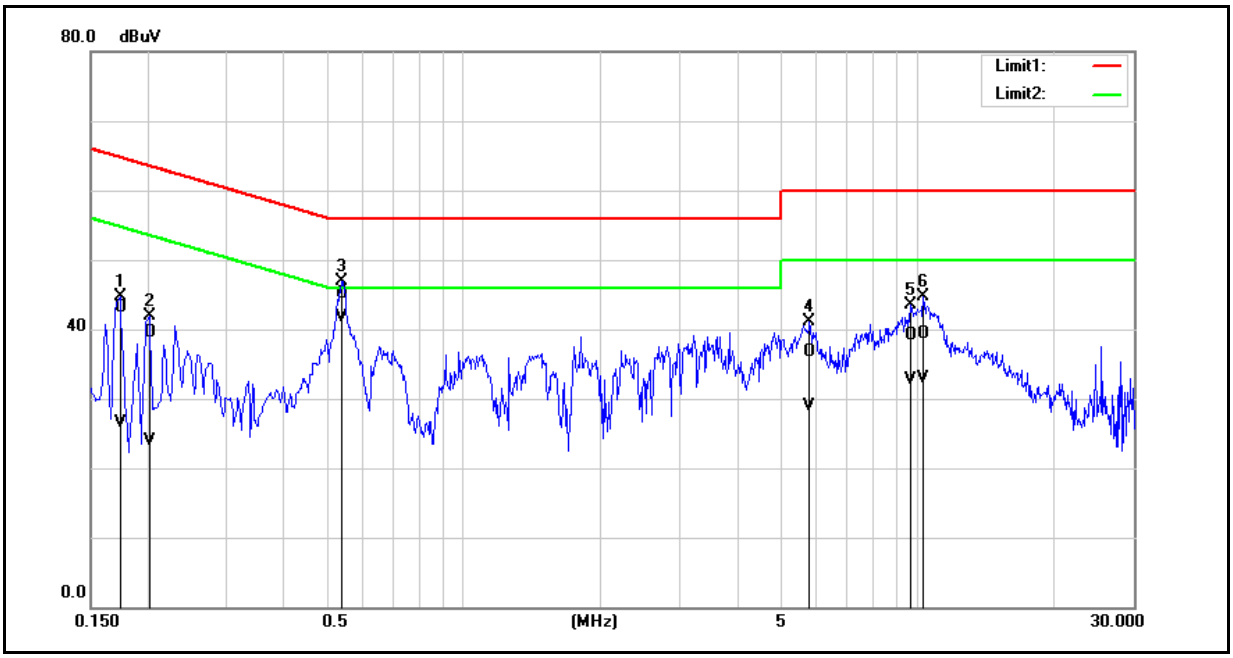


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1780	32.67	17.64	9.64	42.31	27.28	64.58	54.58	-22.27	-27.30	Pass
2	0.2220	28.26	18.15	9.64	37.90	27.79	62.74	52.74	-24.84	-24.95	Pass
3	0.5420	35.44	31.94	9.66	45.10	41.60	56.00	46.00	-10.90	-4.40	Pass
4	3.3020	26.16	20.01	9.75	35.91	29.76	56.00	46.00	-20.09	-16.24	Pass
5	5.7660	28.66	21.65	9.82	38.48	31.47	60.00	50.00	-21.52	-18.53	Pass
6	10.6380	30.13	23.49	9.91	40.04	33.40	60.00	50.00	-19.96	-16.60	Pass

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

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

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



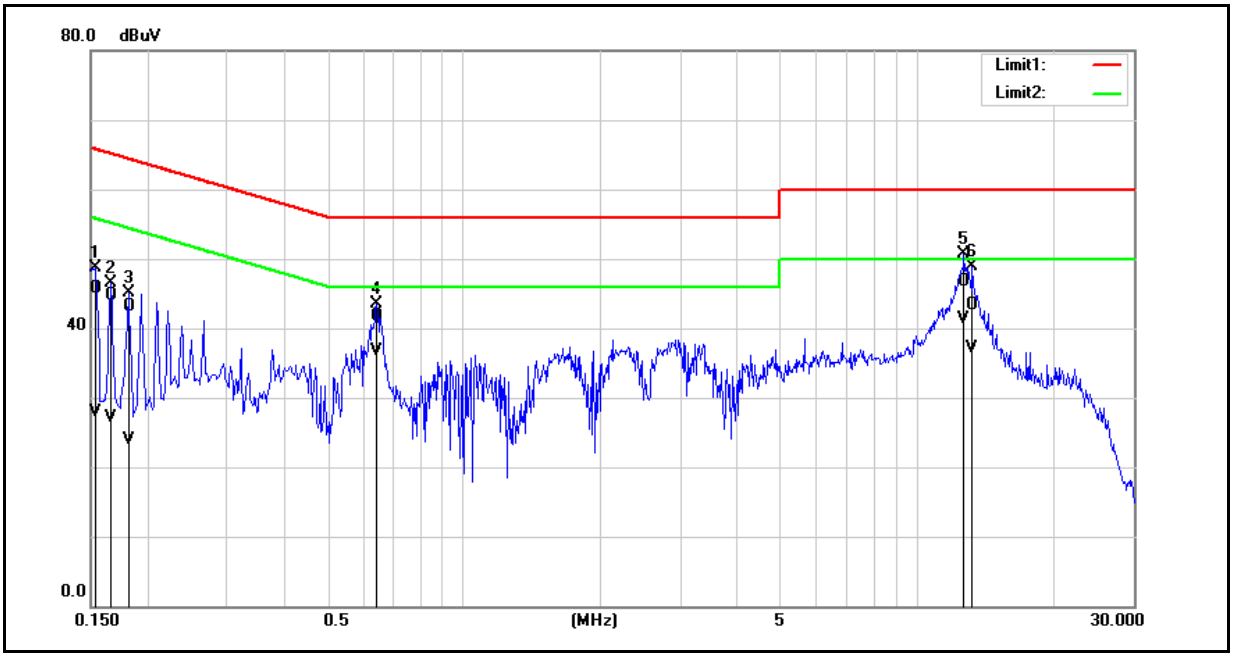
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1740	33.43	16.75	9.68	43.11	26.43	64.77	54.77	-21.66	-28.34	Pass
2	0.2020	29.76	14.19	9.67	39.43	23.86	63.53	53.53	-24.10	-29.67	Pass
3	0.5380	35.36	31.92	9.69	45.05	41.61	56.00	46.00	-10.95	-4.39	Pass
4	5.7900	26.82	19.10	9.86	36.68	28.96	60.00	50.00	-23.32	-21.04	Pass
5	9.6820	29.06	22.82	9.96	39.02	32.78	60.00	50.00	-20.98	-17.22	Pass
6	10.3060	29.28	22.92	9.96	39.24	32.88	60.00	50.00	-20.76	-17.12	Pass

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

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

AC Adapter

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

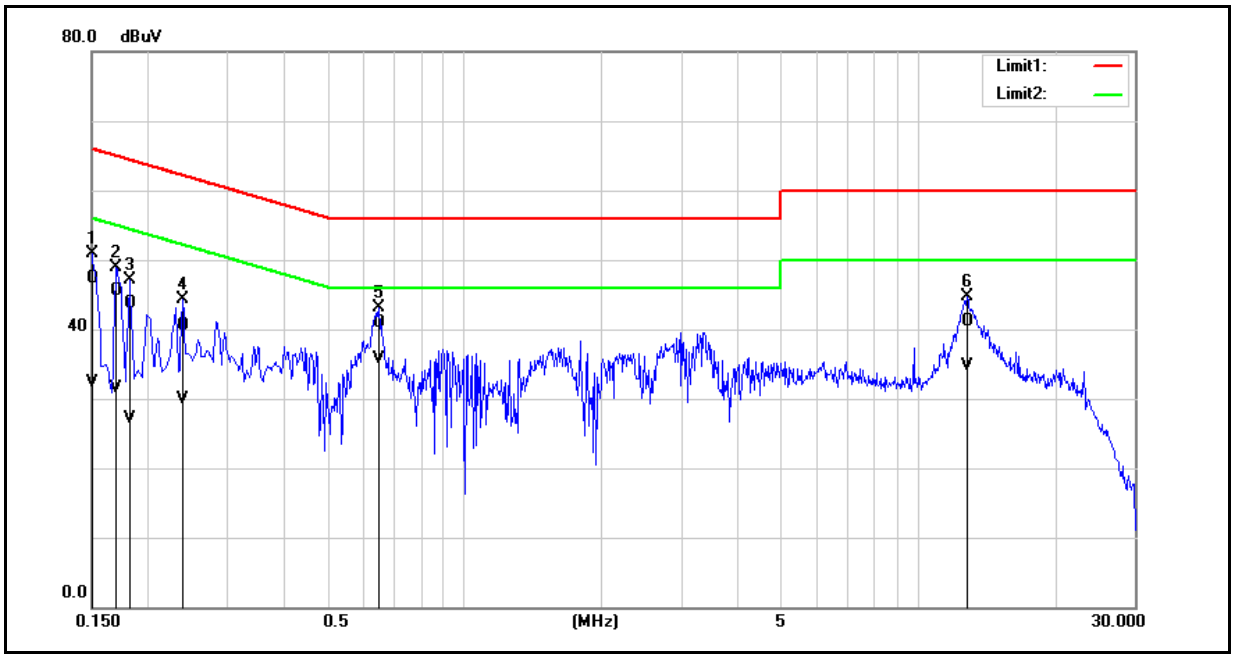


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	36.05	18.24	9.65	45.70	27.89	65.78	55.78	-20.08	-27.89	Pass
2	0.1660	35.10	17.49	9.65	44.75	27.14	65.16	55.16	-20.41	-28.02	Pass
3	0.1820	33.50	14.23	9.64	43.14	23.87	64.39	54.39	-21.25	-30.52	Pass
4	0.6420	32.11	27.09	9.66	41.77	36.75	56.00	46.00	-14.23	-9.25	Pass
5	12.6500	36.80	31.44	9.95	46.75	41.39	60.00	50.00	-13.25	-8.61	Pass
6	13.2020	33.39	27.25	9.95	43.34	37.20	60.00	50.00	-16.66	-12.80	Pass

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

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	37.67	22.72	9.65	47.32	32.37	66.00	56.00	-18.68	-23.63	Pass
2	0.1700	35.88	21.79	9.65	45.53	31.44	64.96	54.96	-19.43	-23.52	Pass
3	0.1820	33.99	17.37	9.64	43.63	27.01	64.39	54.39	-20.76	-27.38	Pass
4	0.2380	30.90	20.26	9.64	40.54	29.90	62.17	52.17	-21.63	-22.27	Pass
5	0.6460	31.22	26.10	9.66	40.88	35.76	56.00	46.00	-15.12	-10.24	Pass
6	12.8060	31.18	24.70	9.95	41.13	34.65	60.00	50.00	-18.87	-15.35	Pass

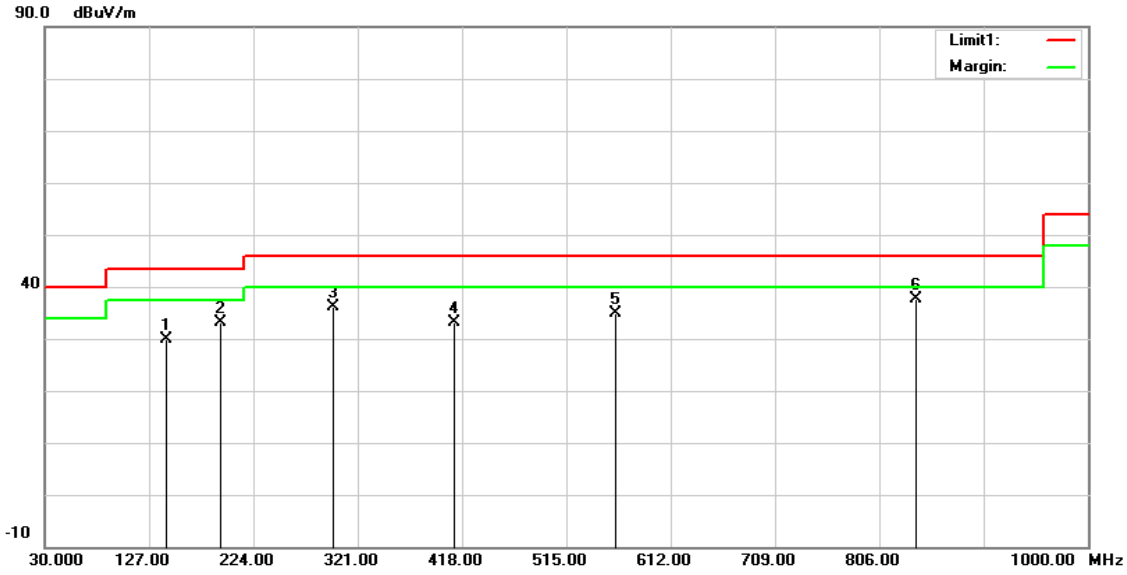
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

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

Annex B. Radiated Emission Measurement

Below 1 GHz

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	143.4900	35.85	-6.04	29.81	43.50	-13.69	QP
2	192.9600	40.64	-7.45	33.19	43.50	-10.31	QP
3	297.7200	40.46	-4.26	36.20	46.00	-9.80	QP
4	410.2400	35.02	-1.81	33.21	46.00	-12.79	QP
5	560.5900	33.52	1.35	34.87	46.00	-11.13	QP
6	839.9500	31.09	6.48	37.57	46.00	-8.43	QP

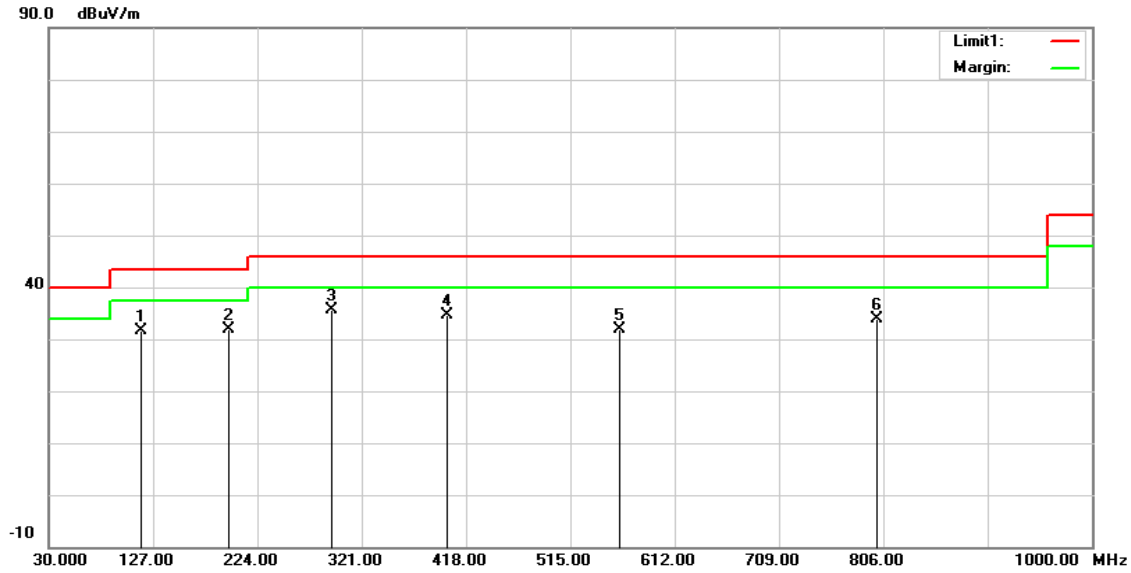
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 29.81= -6.04+35.85.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	116.3300	40.42	-8.74	31.68	43.50	-11.82	QP
2	197.8100	39.46	-7.68	31.78	43.50	-11.72	QP
3	292.8700	39.97	-4.37	35.60	46.00	-10.40	QP
4	400.5400	36.81	-2.08	34.73	46.00	-11.27	QP
5	560.5900	30.45	1.35	31.80	46.00	-14.20	QP
6	800.1800	28.09	5.82	33.91	46.00	-12.09	QP

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

Example: 31.68= -8.74+40.42.

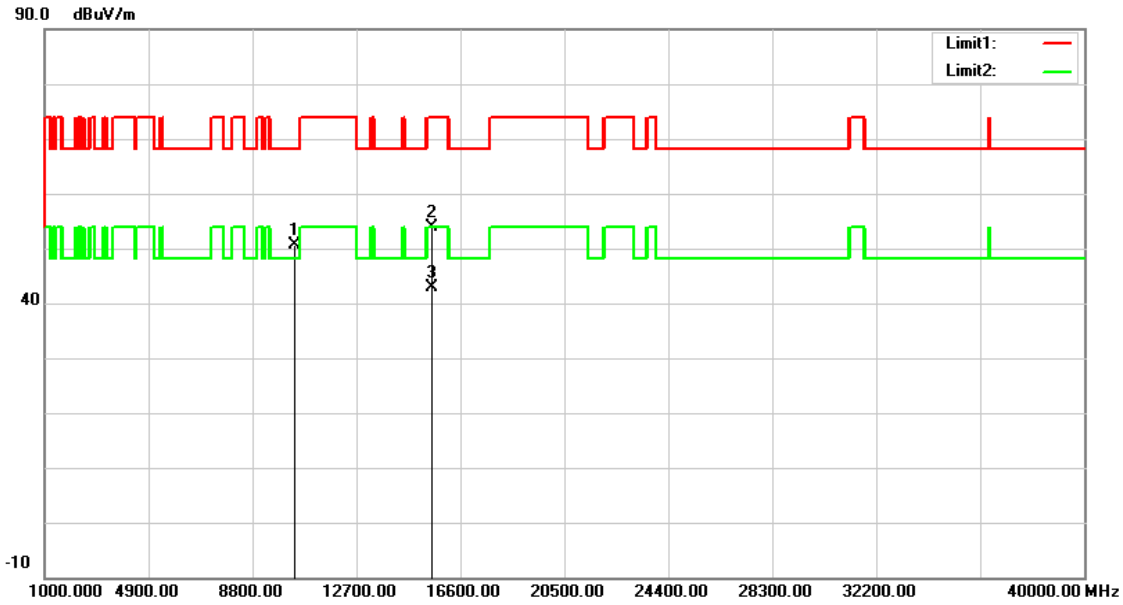
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.25	17.29	50.54	68.20	-17.66	peak
2	15540.000	33.09	20.75	53.84	74.00	-20.16	peak
3	15540.000	22.20	20.75	42.95	54.00	-11.05	AVG

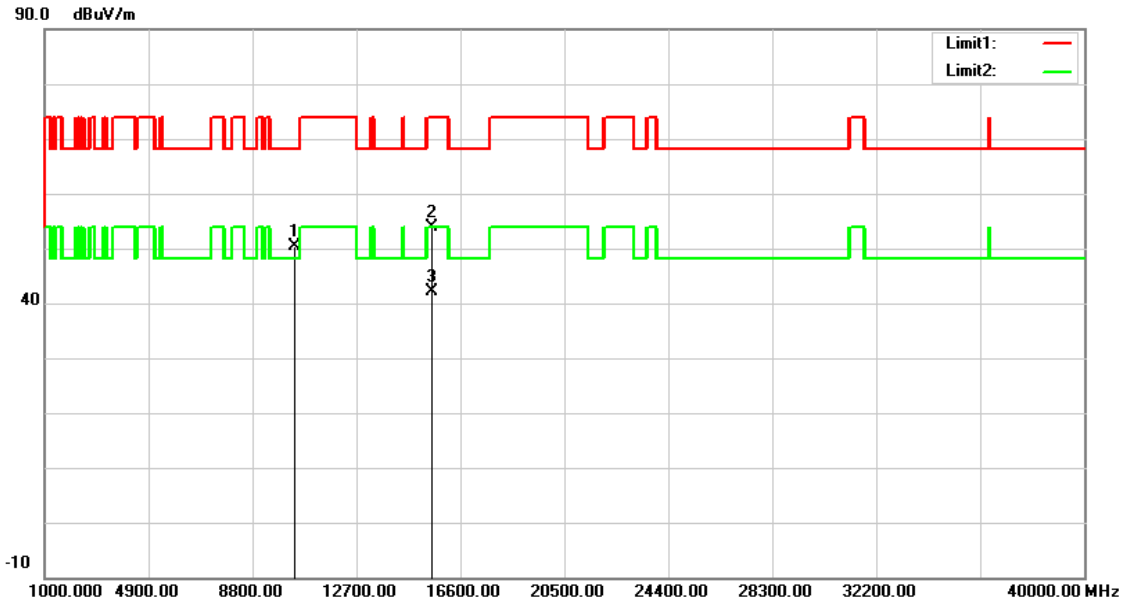
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.54= 17.29+33.25.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.07	17.29	50.36	68.20	-17.84	peak
2	15540.000	33.24	20.75	53.99	74.00	-20.01	peak
3	15540.000	21.27	20.75	42.02	54.00	-11.98	AVG

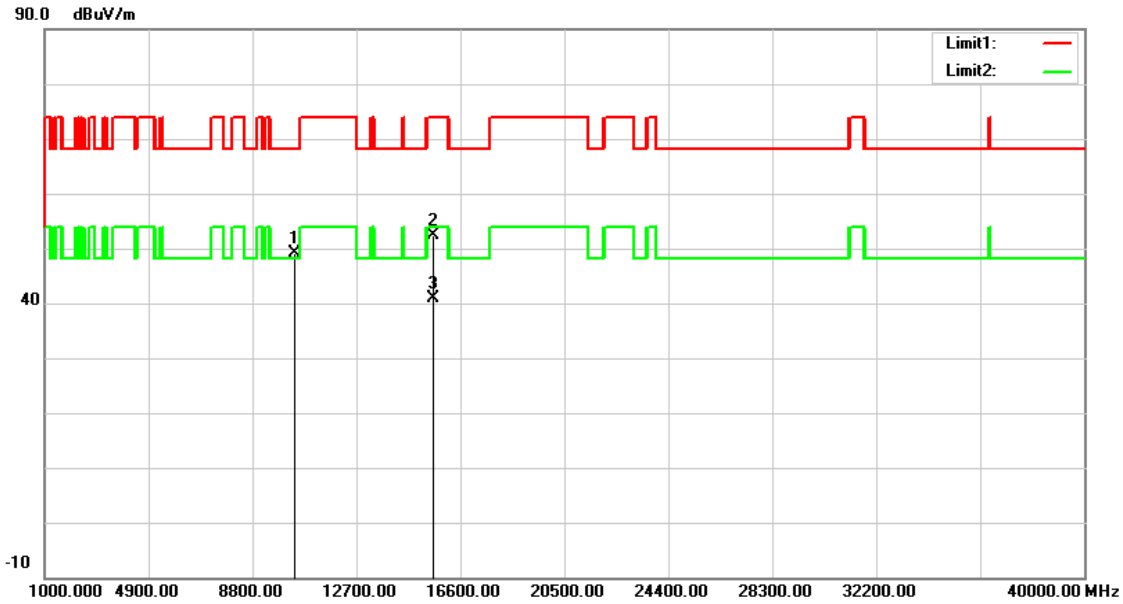
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.36= 17.29+33.07.

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

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

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



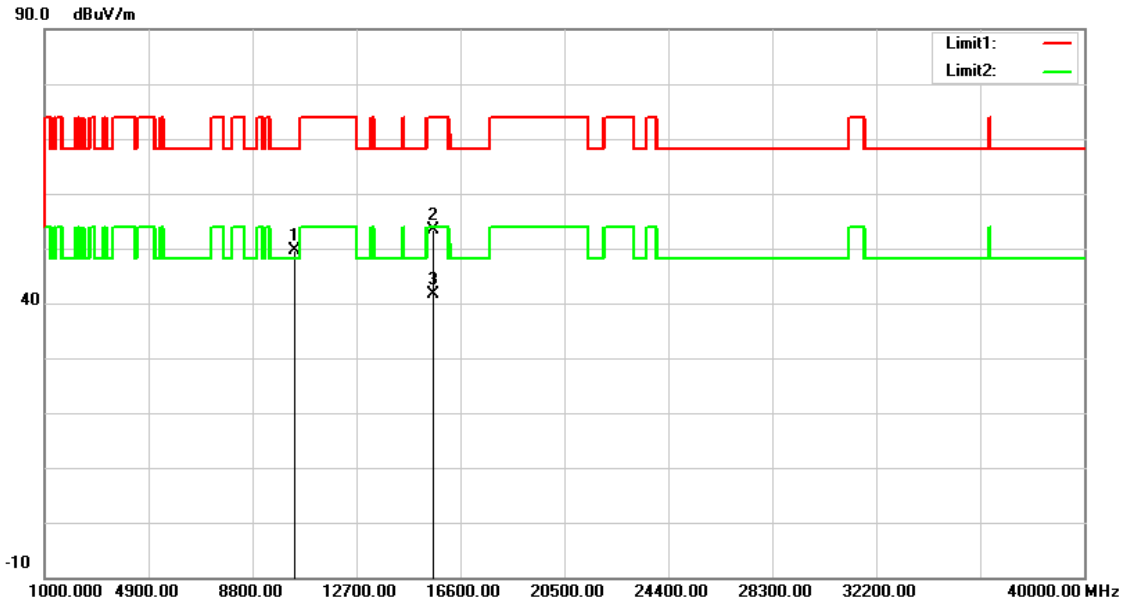
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.77	17.40	49.17	68.20	-19.03	peak
2	15600.000	31.78	20.60	52.38	74.00	-21.62	peak
3	15600.000	20.17	20.60	40.77	54.00	-13.23	AVG

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

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

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

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



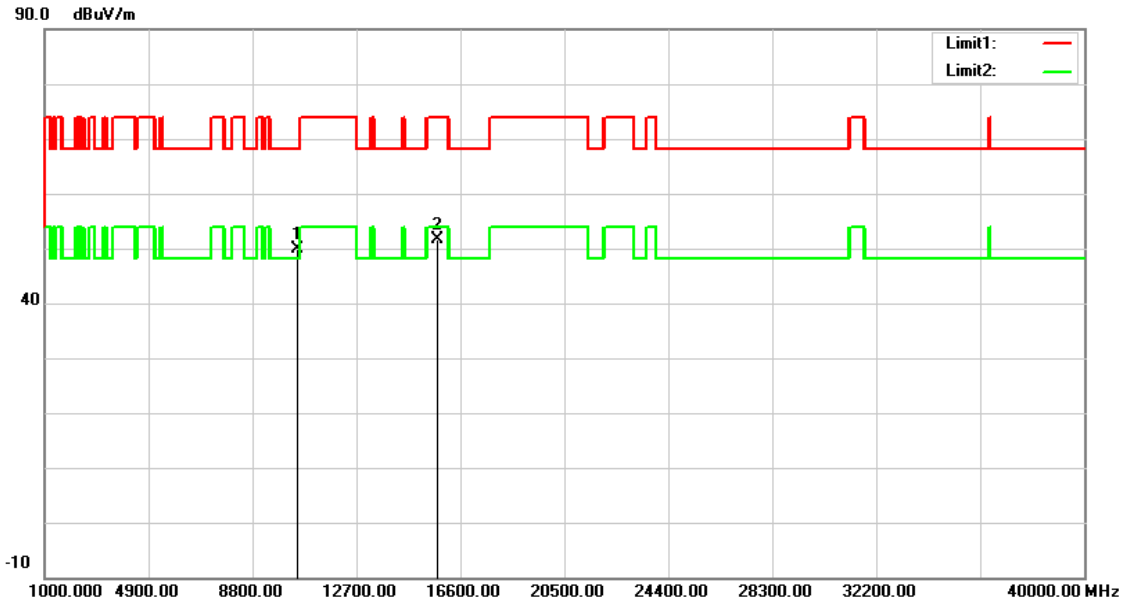
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.17	17.40	49.57	68.20	-18.63	peak
2	15600.000	32.69	20.60	53.29	74.00	-20.71	peak
3	15600.000	20.91	20.60	41.51	54.00	-12.49	AVG

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



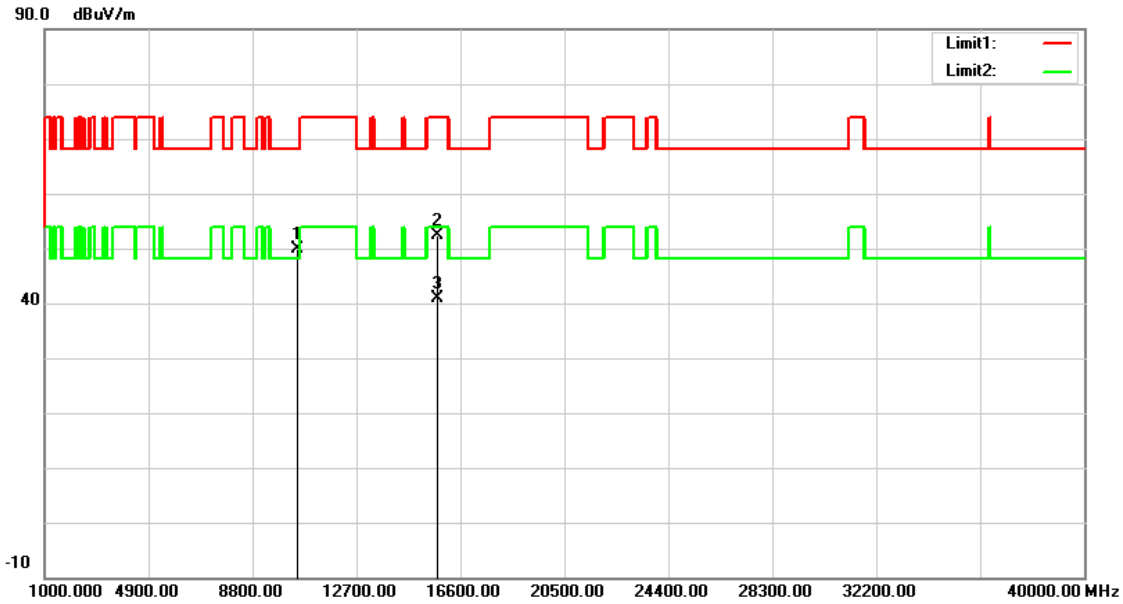
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.21	17.64	49.85	68.20	-18.35	peak
2	15720.000	31.41	20.30	51.71	74.00	-22.29	peak

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



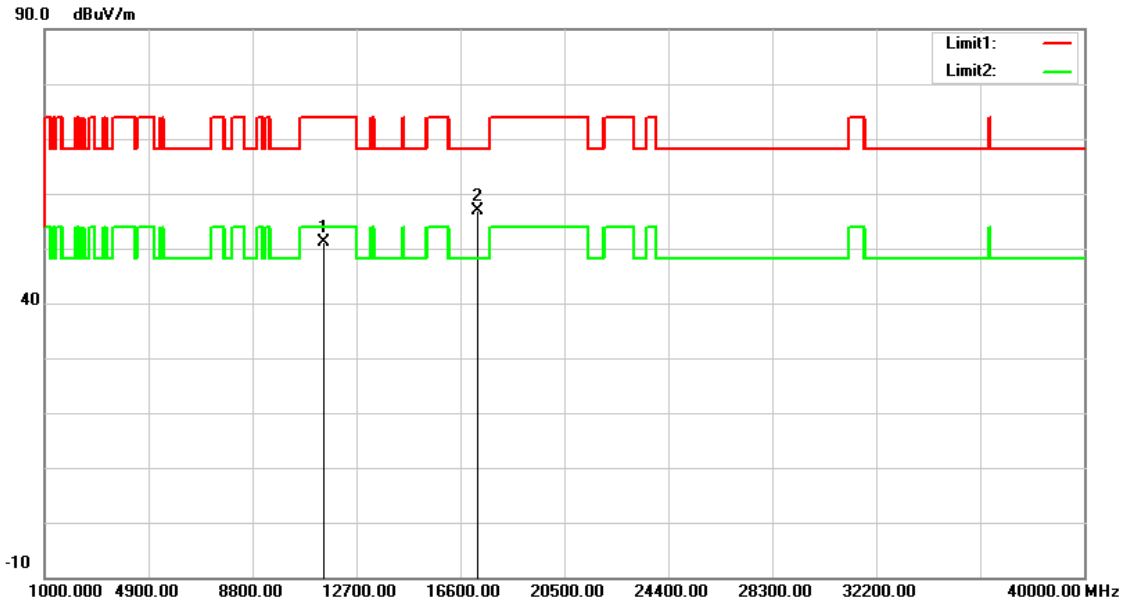
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.21	17.64	49.85	68.20	-18.35	peak
2	15720.000	31.96	20.30	52.26	74.00	-21.74	peak
3	15720.000	20.52	20.30	40.82	54.00	-13.18	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



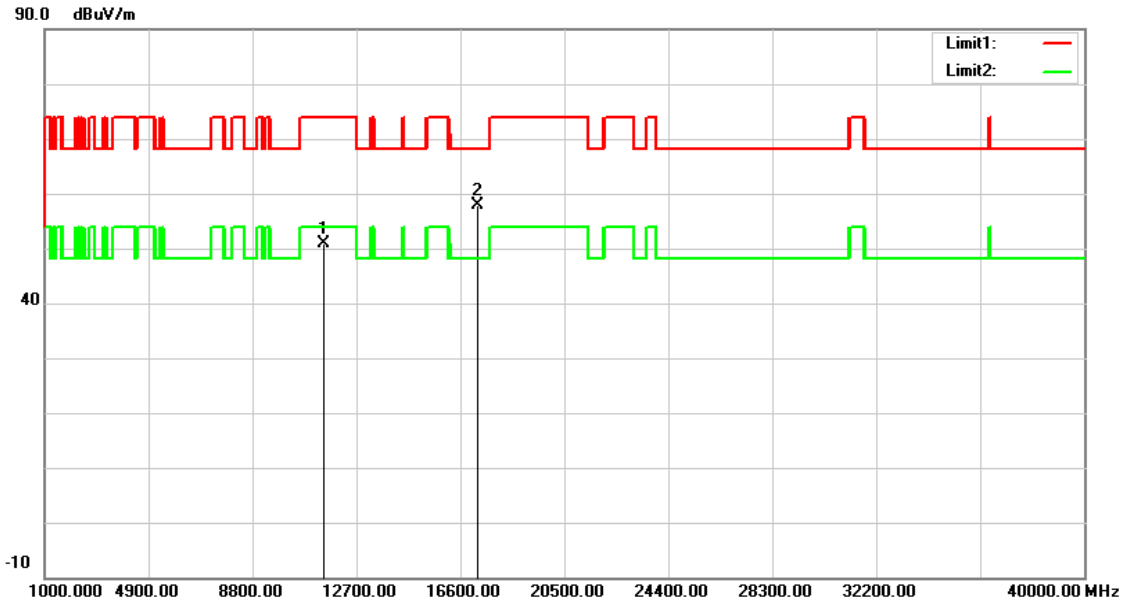
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.80	19.45	51.25	74.00	-22.75	peak
2	17235.000	31.99	25.01	57.00	68.20	-11.20	peak

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:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



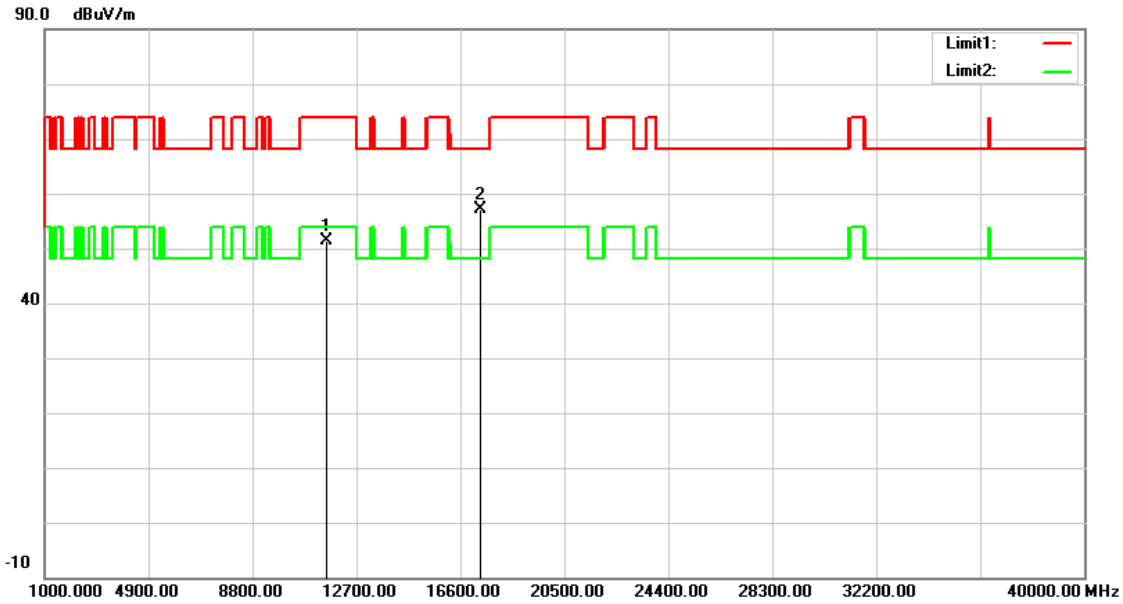
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.42	19.45	50.87	74.00	-23.13	peak
2	17235.000	32.85	25.01	57.86	68.20	-10.34	peak

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

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

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

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



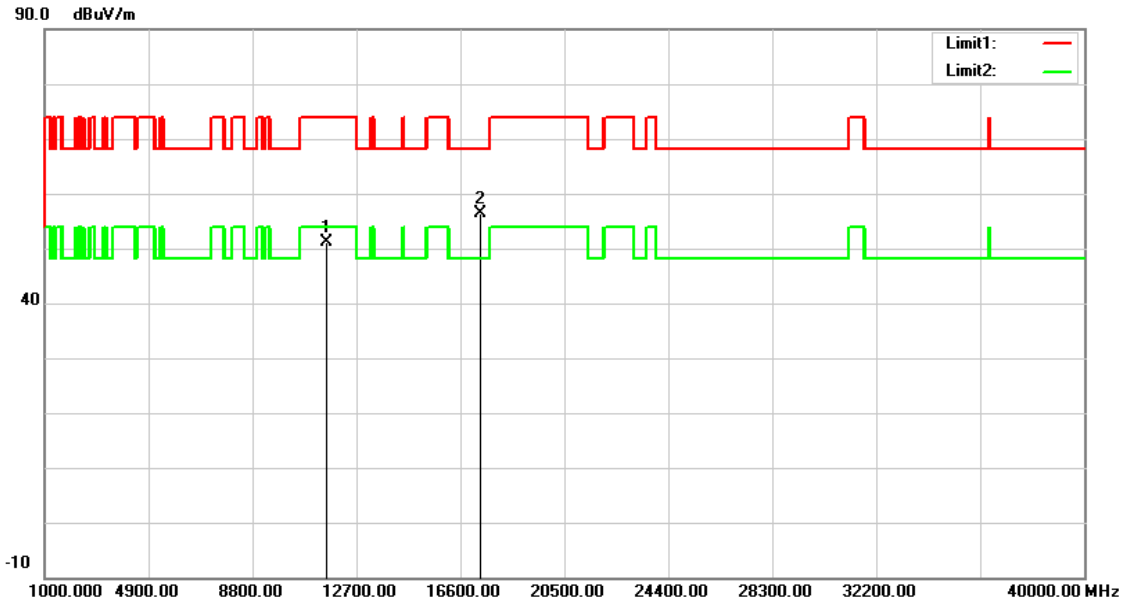
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.03	19.39	51.42	74.00	-22.58	peak
2	17355.000	31.67	25.34	57.01	68.20	-11.19	peak

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

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

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

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



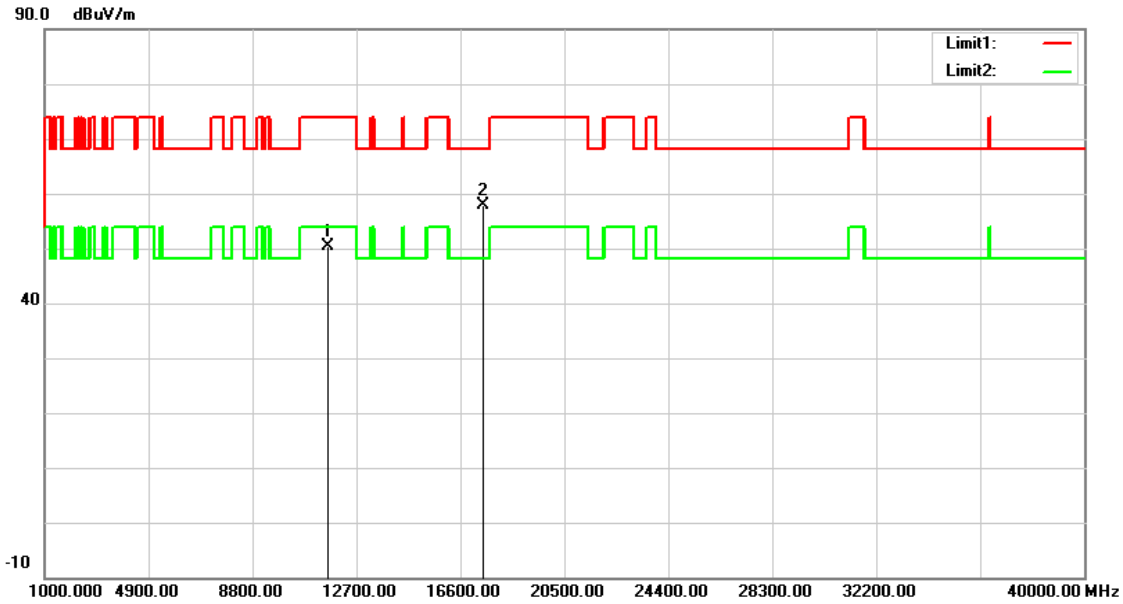
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.78	19.39	51.17	74.00	-22.83	peak
2	17355.000	30.99	25.34	56.33	68.20	-11.87	peak

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

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

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

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



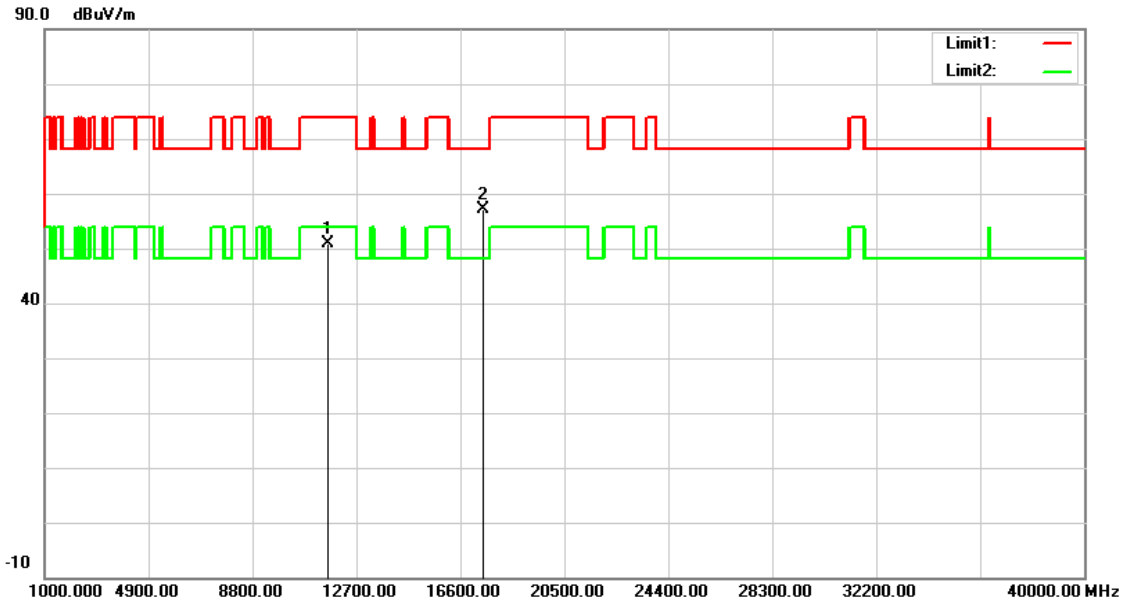
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.18	19.32	50.50	74.00	-23.50	peak
2	17475.000	32.18	25.65	57.83	68.20	-10.37	peak

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



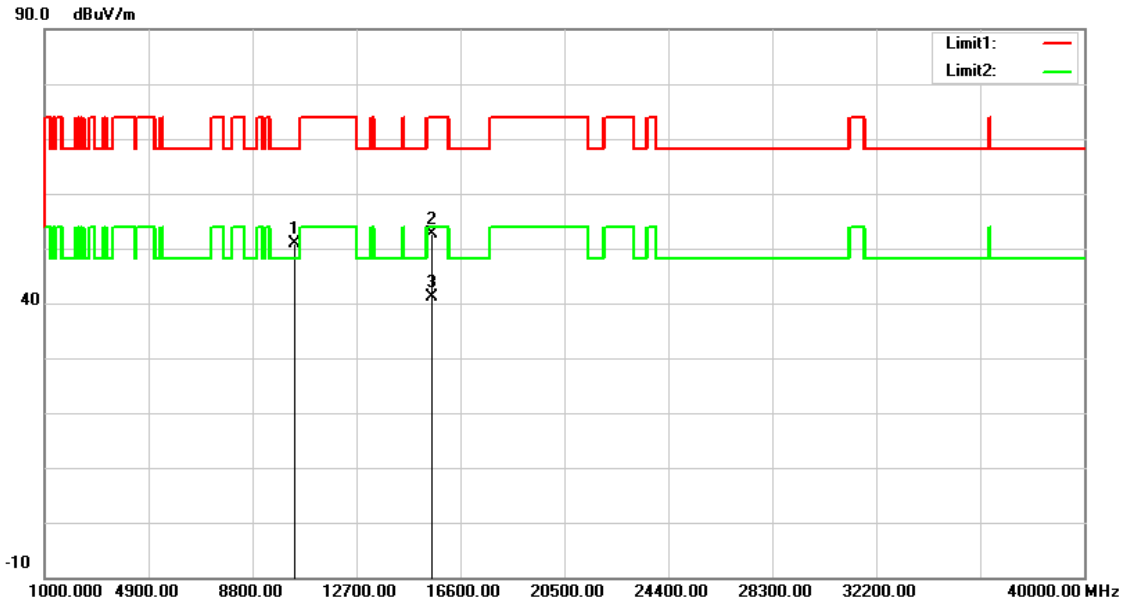
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.53	19.32	50.85	74.00	-23.15	peak
2	17475.000	31.46	25.65	57.11	68.20	-11.09	peak

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

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

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

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



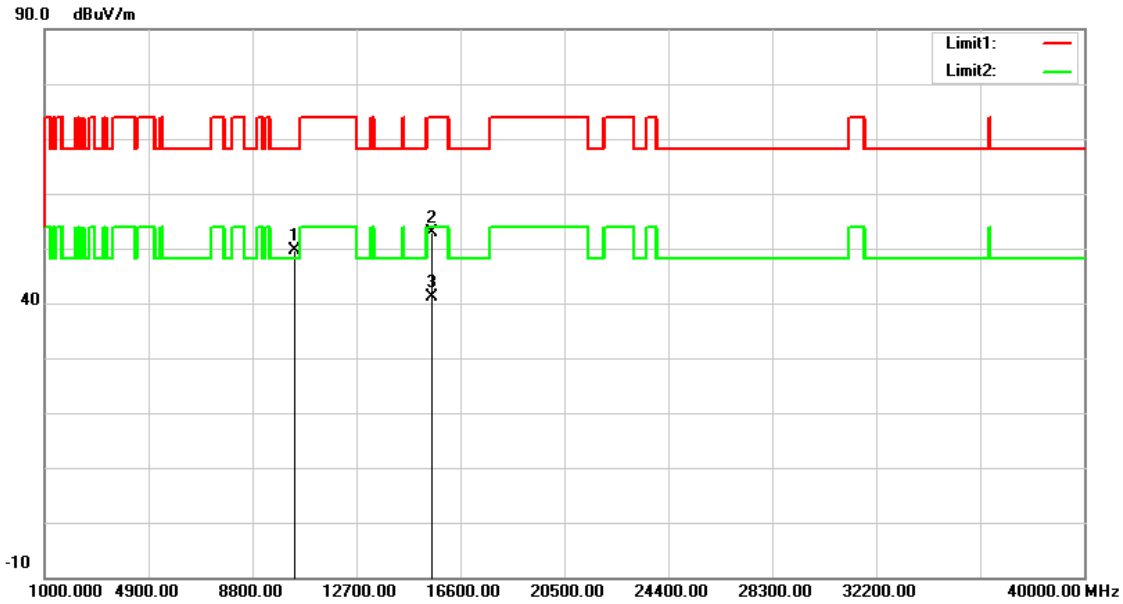
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.56	17.29	50.85	68.20	-17.35	peak
2	15540.000	31.90	20.75	52.65	74.00	-21.35	peak
3	15540.000	20.44	20.75	41.19	54.00	-12.81	AVG

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

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

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

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



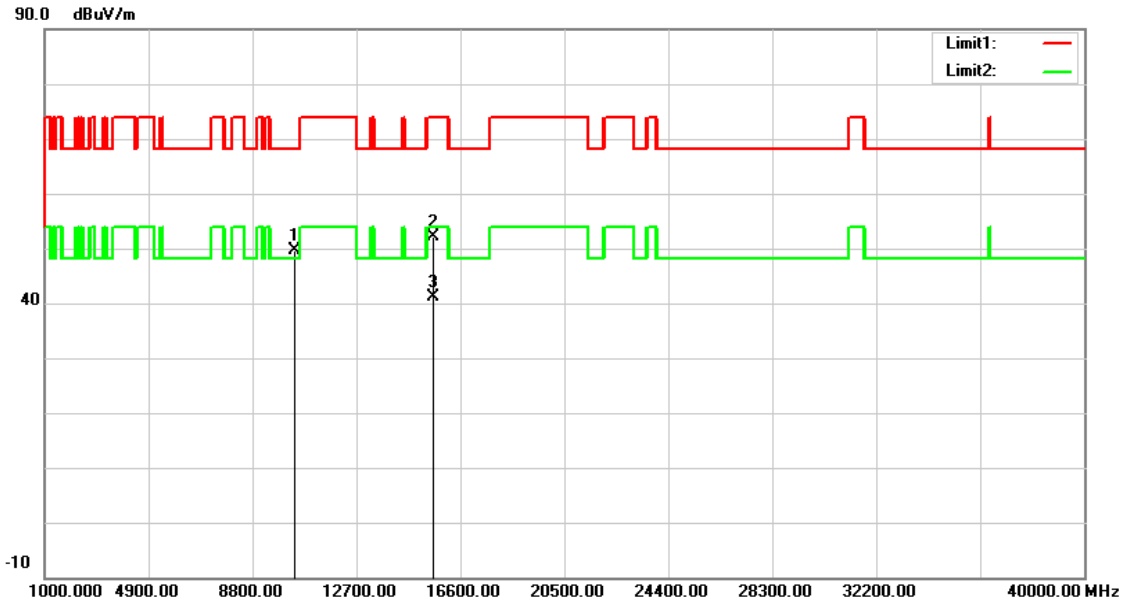
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.23	17.29	49.52	68.20	-18.68	peak
2	15540.000	32.16	20.75	52.91	74.00	-21.09	peak
3	15540.000	20.40	20.75	41.15	54.00	-12.85	AVG

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

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

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

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



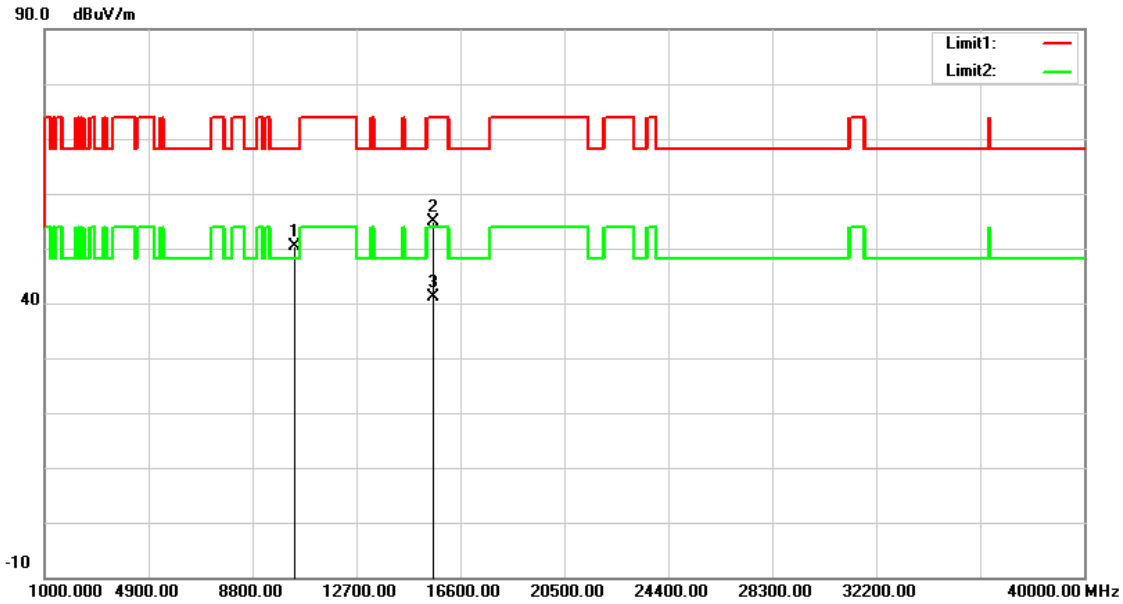
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.22	17.40	49.62	68.20	-18.58	peak
2	15600.000	31.63	20.60	52.23	74.00	-21.77	peak
3	15600.000	20.59	20.60	41.19	54.00	-12.81	AVG

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

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

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

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



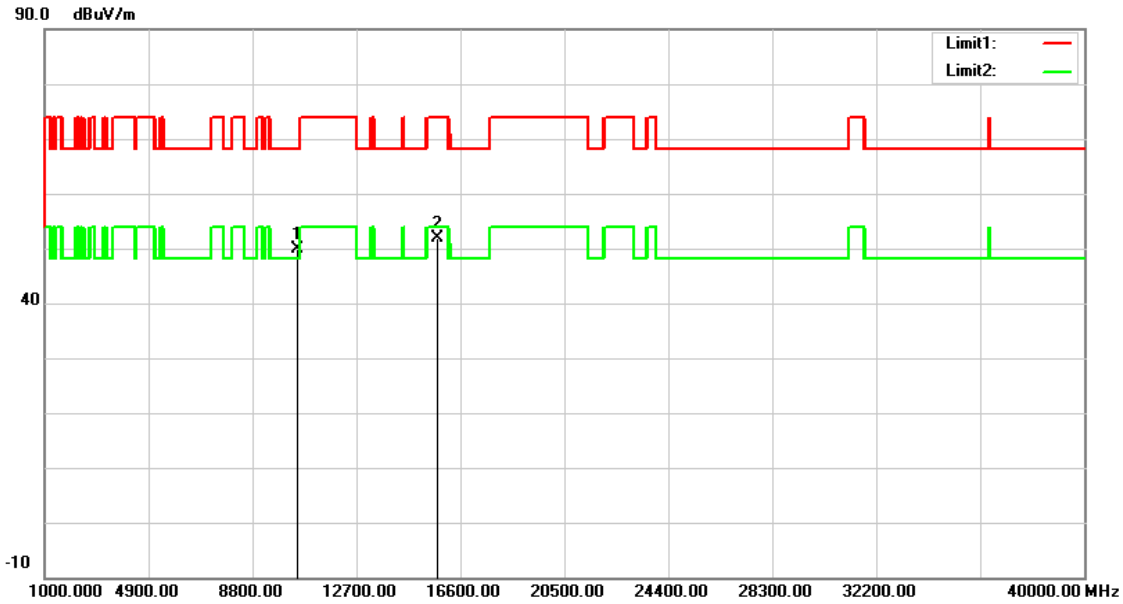
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	32.87	17.40	50.27	68.20	-17.93	peak
2	15600.000	34.31	20.60	54.91	74.00	-19.09	peak
3	15600.000	20.57	20.60	41.17	54.00	-12.83	AVG

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

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

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

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



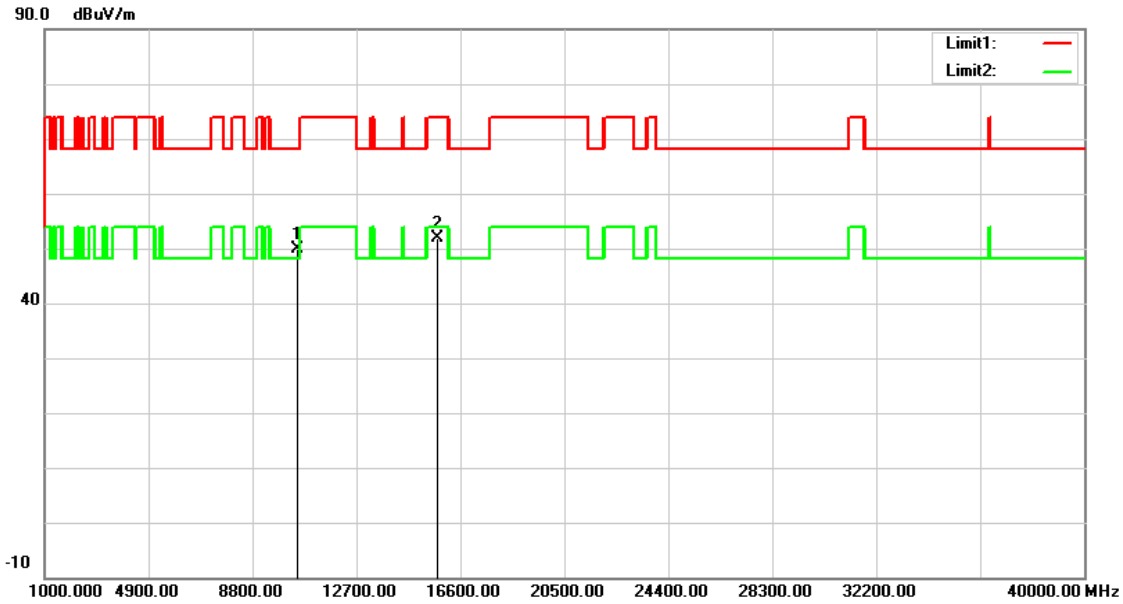
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.30	17.64	49.94	68.20	-18.26	peak
2	15720.000	31.48	20.30	51.78	74.00	-22.22	peak

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

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

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

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



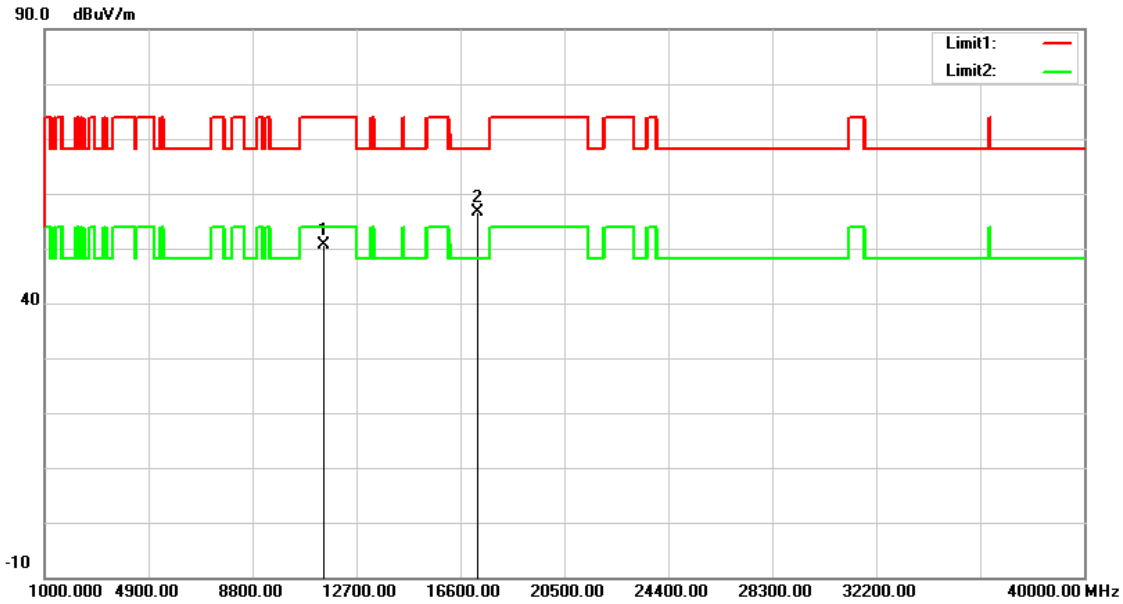
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.18	17.64	49.82	68.20	-18.38	peak
2	15720.000	31.67	20.30	51.97	74.00	-22.03	peak

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

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

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

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



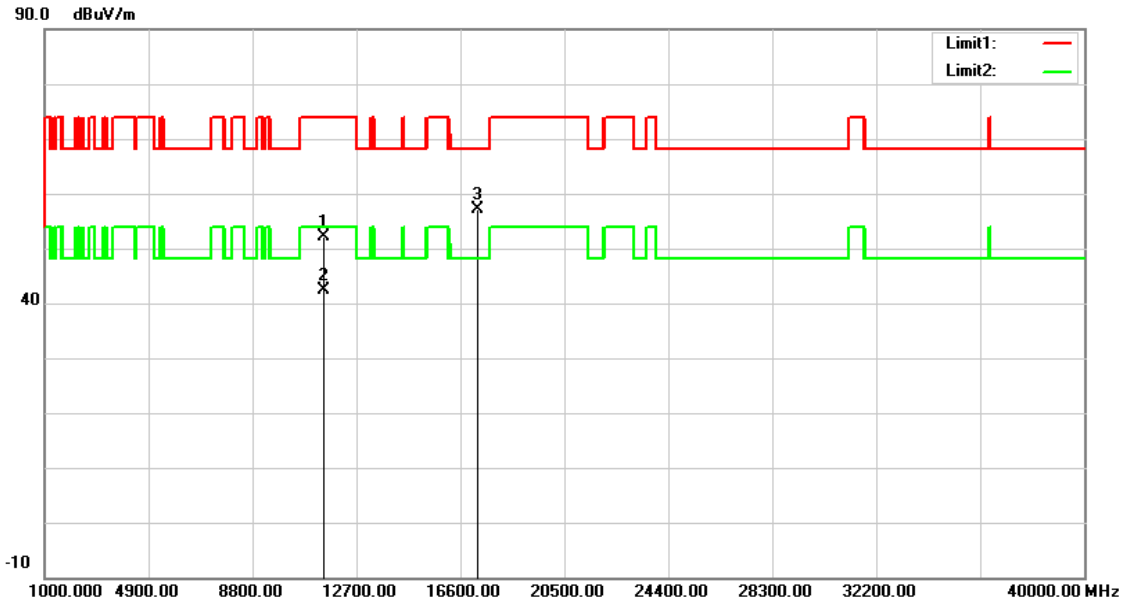
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.29	19.45	50.74	74.00	-23.26	peak
2	17235.000	31.53	25.01	56.54	68.20	-11.66	peak

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

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

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

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



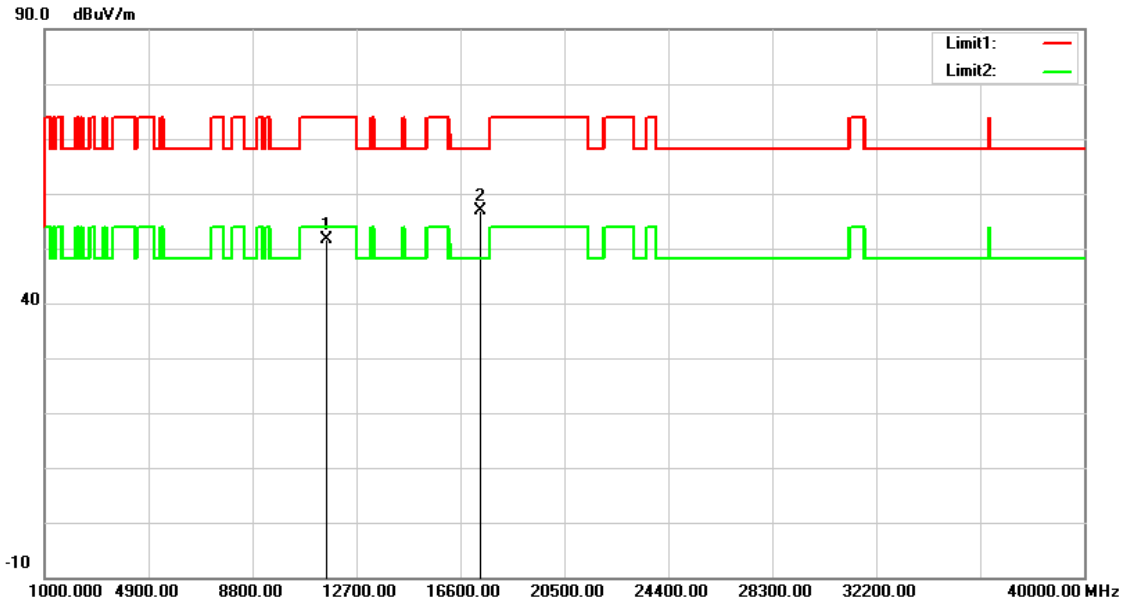
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	32.65	19.45	52.10	74.00	-21.90	peak
2	11490.000	22.85	19.45	42.30	54.00	-11.70	AVG
3	17235.000	32.02	25.01	57.03	68.20	-11.17	peak

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



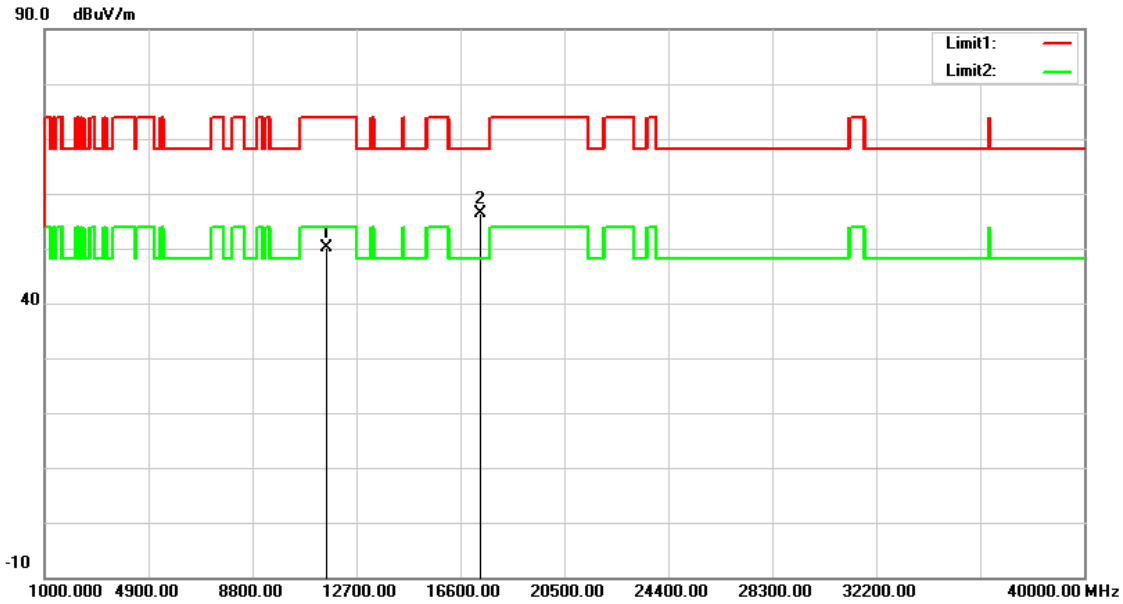
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	32.16	19.39	51.55	74.00	-22.45	peak
2	17355.000	31.54	25.34	56.88	68.20	-11.32	peak

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

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

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

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



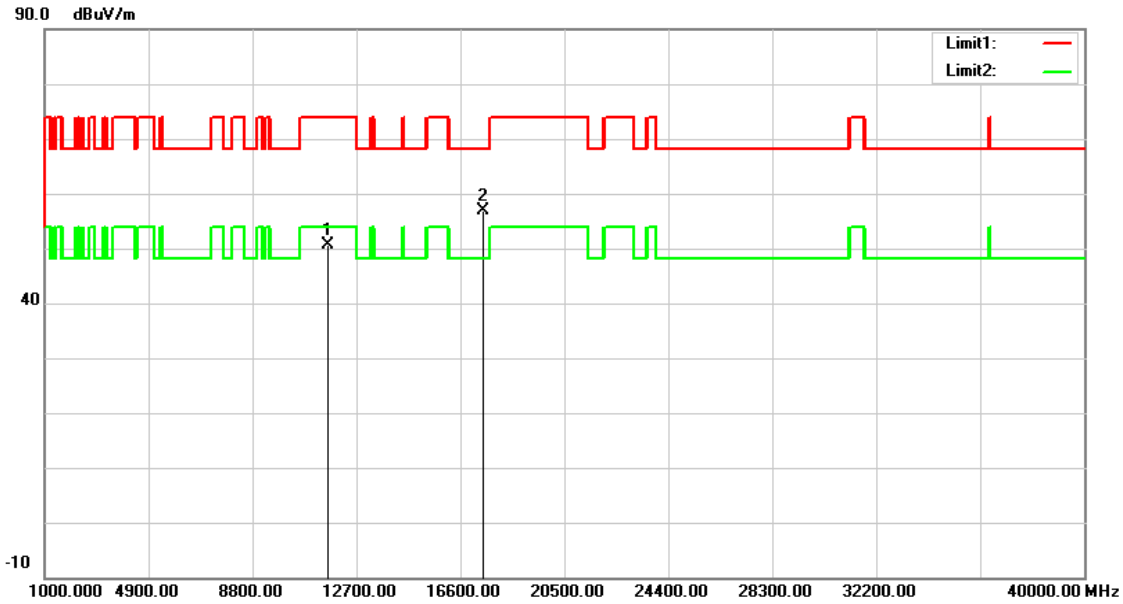
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	30.85	19.39	50.24	74.00	-23.76	peak
2	17355.000	30.92	25.34	56.26	68.20	-11.94	peak

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

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

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

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



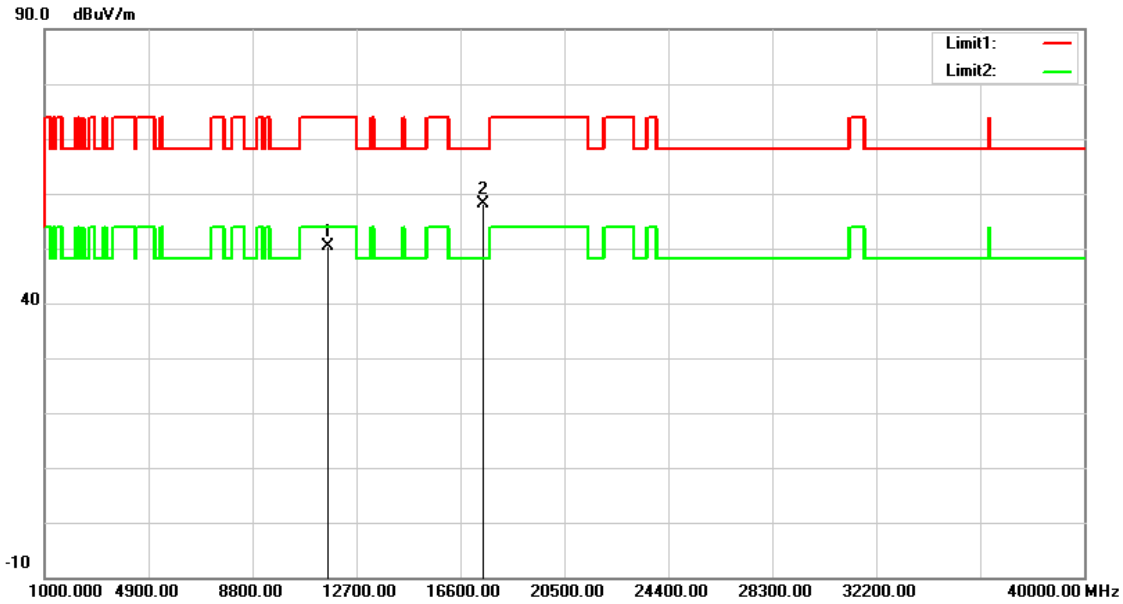
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.20	19.32	50.52	74.00	-23.48	peak
2	17475.000	31.19	25.65	56.84	68.20	-11.36	peak

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

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

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

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



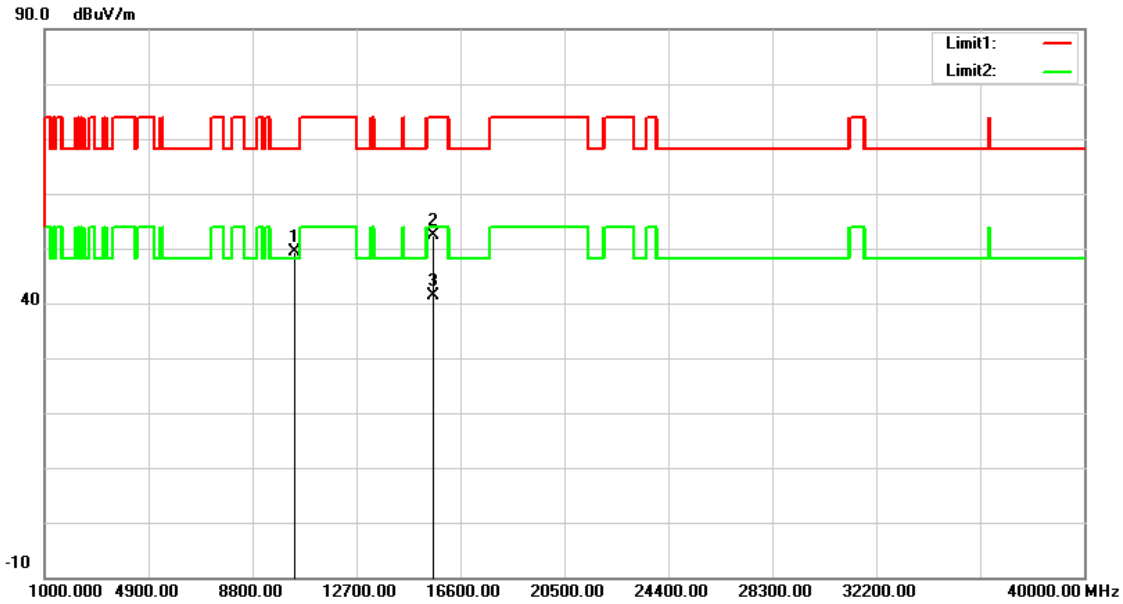
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	31.16	19.32	50.48	74.00	-23.52	peak
2	17475.000	32.42	25.65	58.07	68.20	-10.13	peak

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

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

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

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



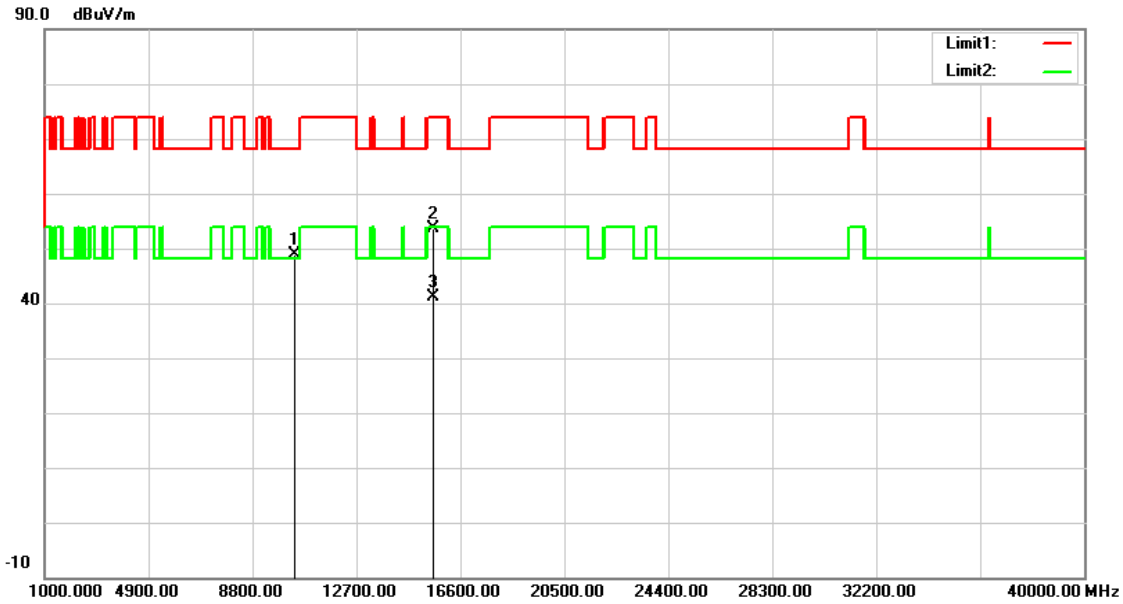
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	31.98	17.35	49.33	68.20	-18.87	peak
2	15570.000	31.65	20.68	52.33	74.00	-21.67	peak
3	15570.000	20.61	20.68	41.29	54.00	-12.71	AVG

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

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

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

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



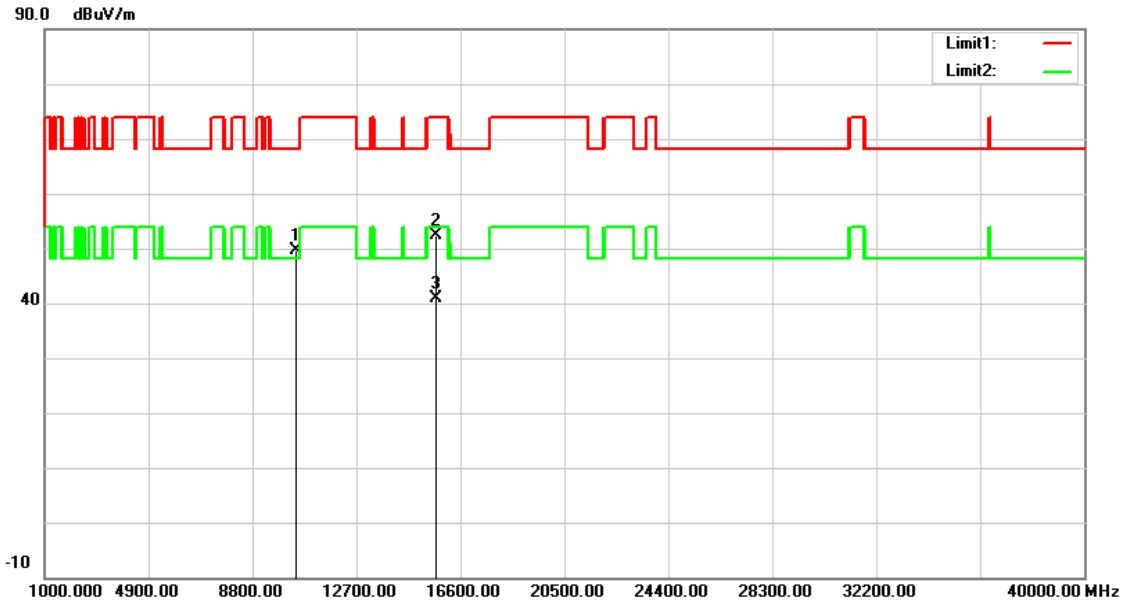
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	31.61	17.35	48.96	68.20	-19.24	peak
2	15570.000	33.02	20.68	53.70	74.00	-20.30	peak
3	15570.000	20.55	20.68	41.23	54.00	-12.77	AVG

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



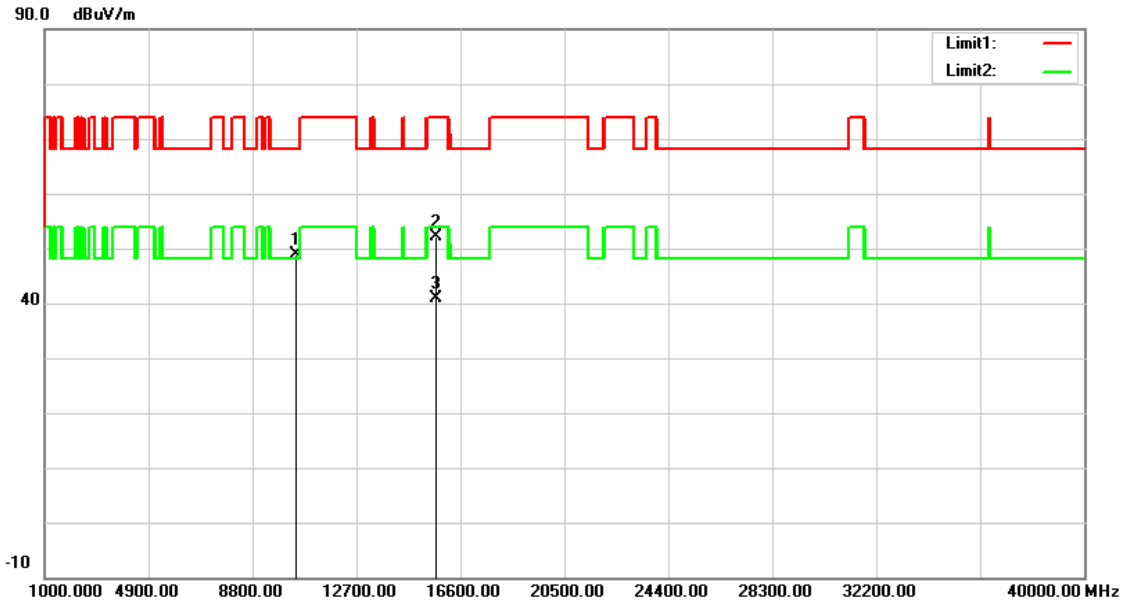
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	32.10	17.59	49.69	68.20	-18.51	peak
2	15690.000	32.10	20.37	52.47	74.00	-21.53	peak
3	15690.000	20.55	20.37	40.92	54.00	-13.08	AVG

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



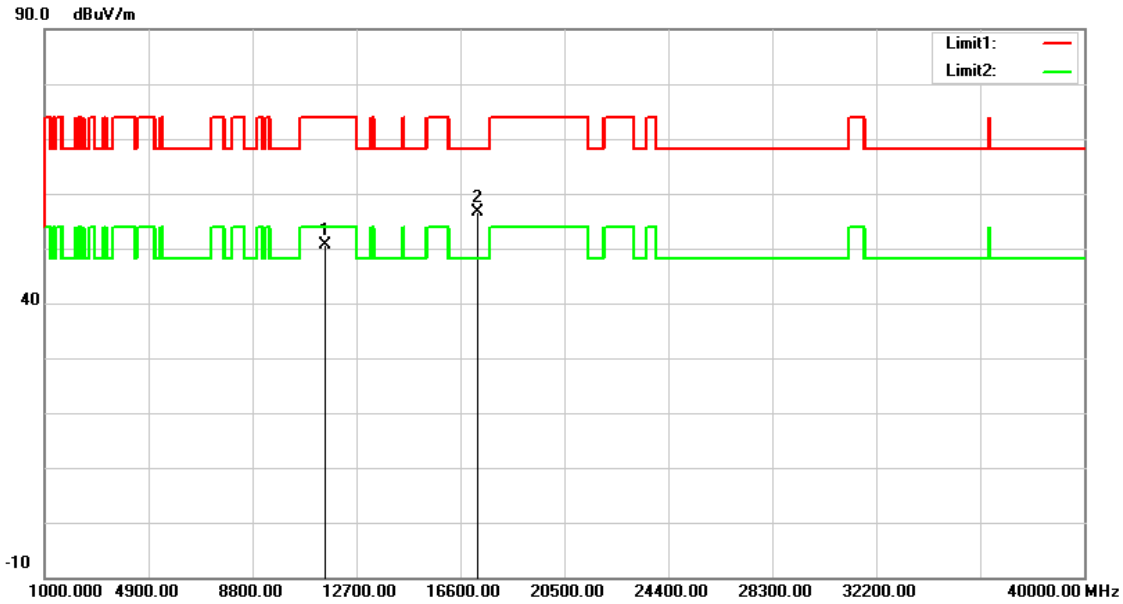
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	31.30	17.59	48.89	68.20	-19.31	peak
2	15690.000	31.70	20.37	52.07	74.00	-21.93	peak
3	15690.000	20.50	20.37	40.87	54.00	-13.13	AVG

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

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

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

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



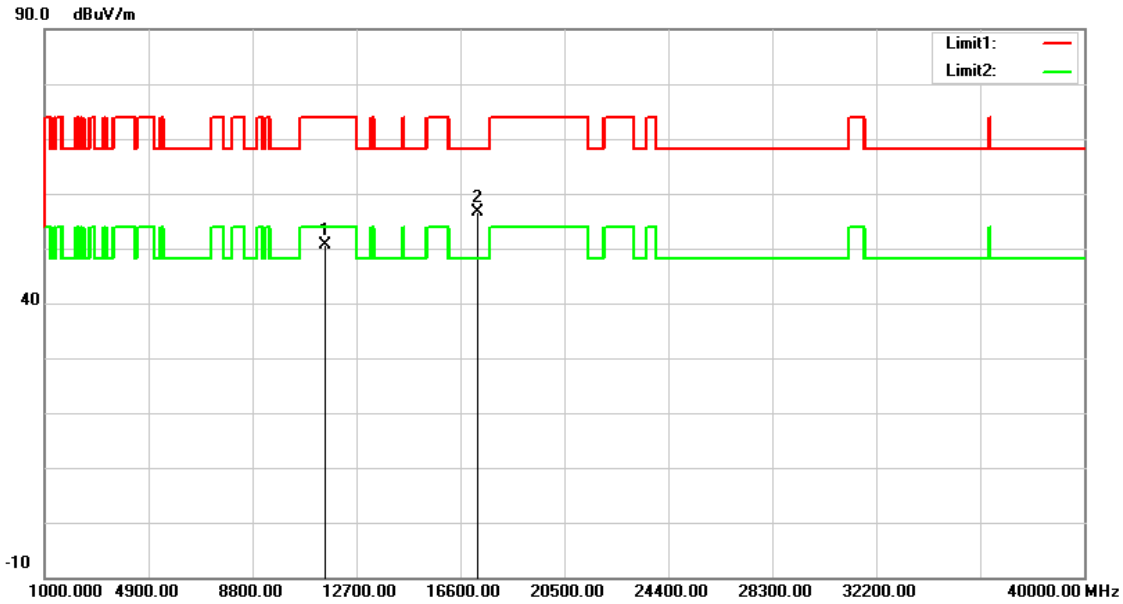
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	31.22	19.46	50.68	74.00	-23.32	peak
2	17265.000	31.52	25.09	56.61	68.20	-11.59	peak

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

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

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

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



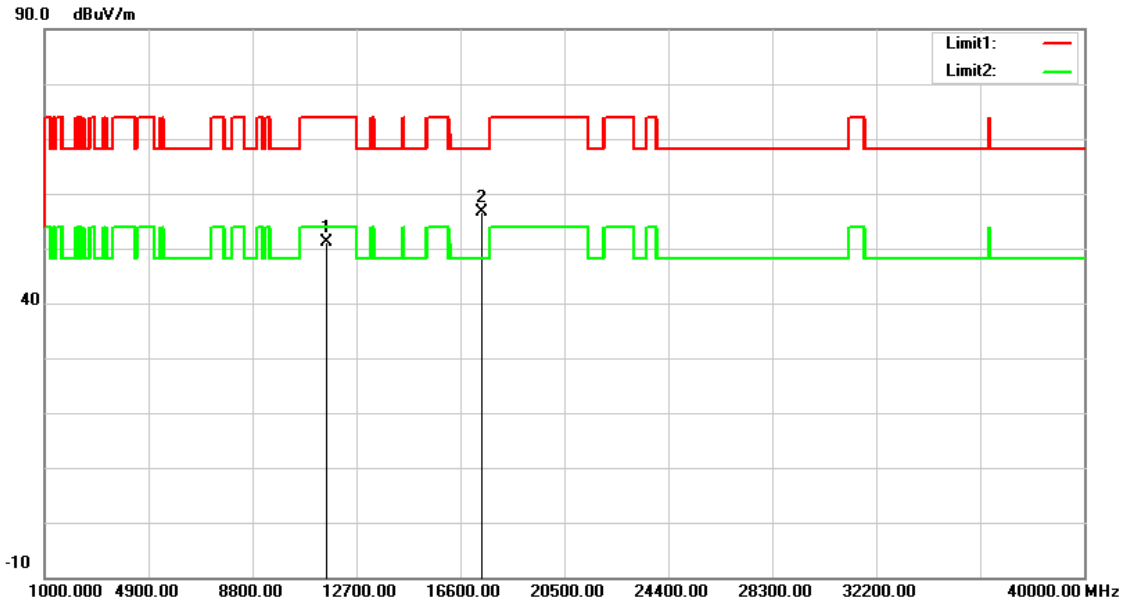
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	31.26	19.46	50.72	74.00	-23.28	peak
2	17265.000	31.58	25.09	56.67	68.20	-11.53	peak

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

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

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

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



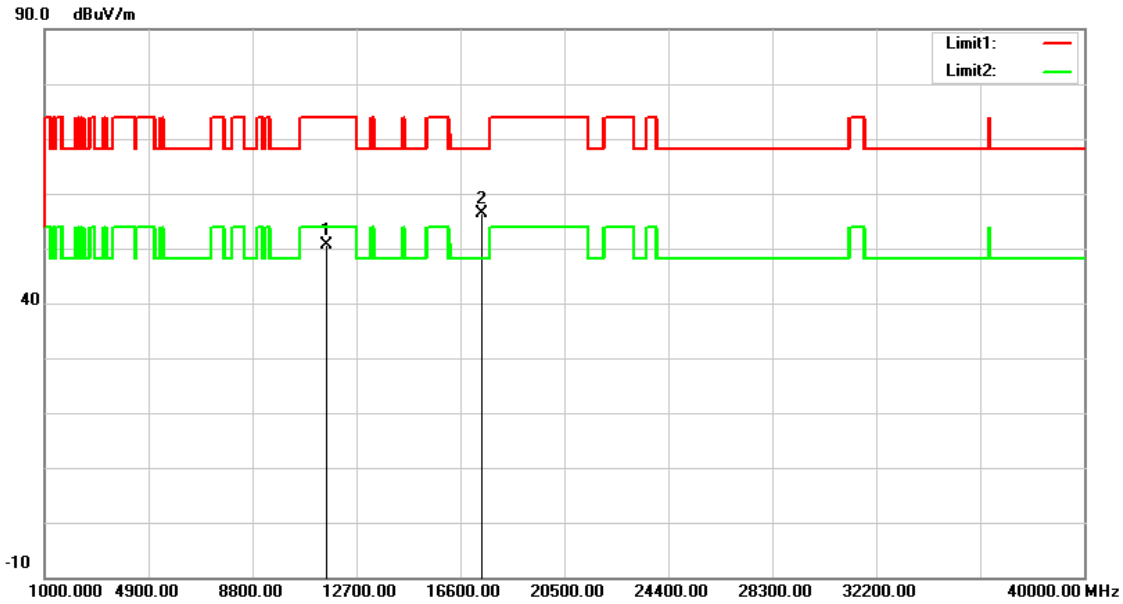
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.65	19.38	51.03	74.00	-22.97	peak
2	17385.000	31.30	25.41	56.71	68.20	-11.49	peak

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

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

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

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



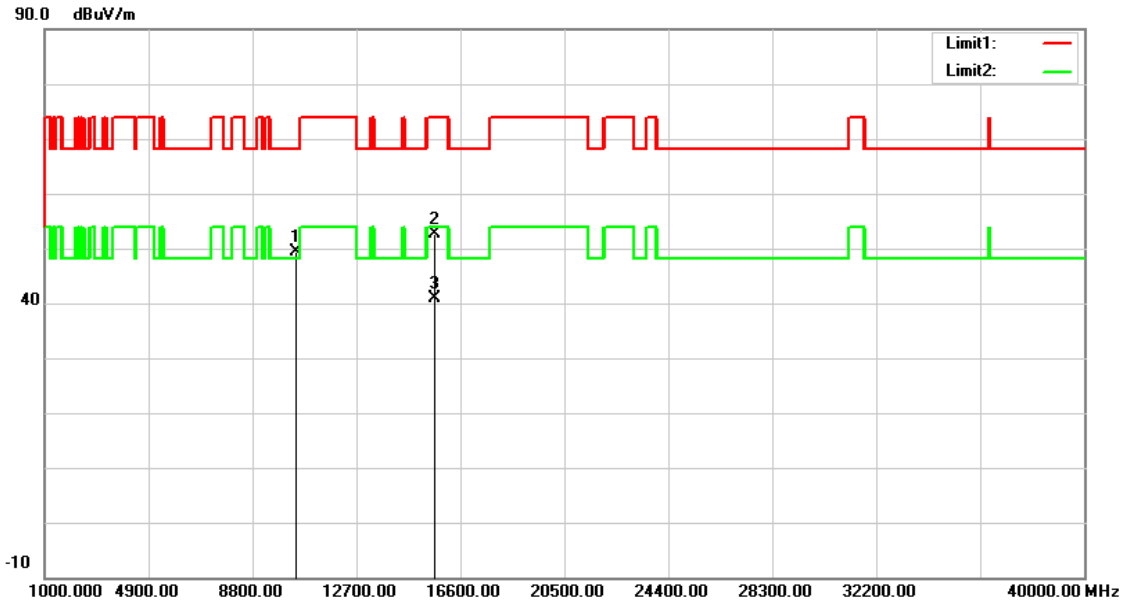
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	31.20	19.38	50.58	74.00	-23.42	peak
2	17385.000	31.06	25.41	56.47	68.20	-11.73	peak

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

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

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

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



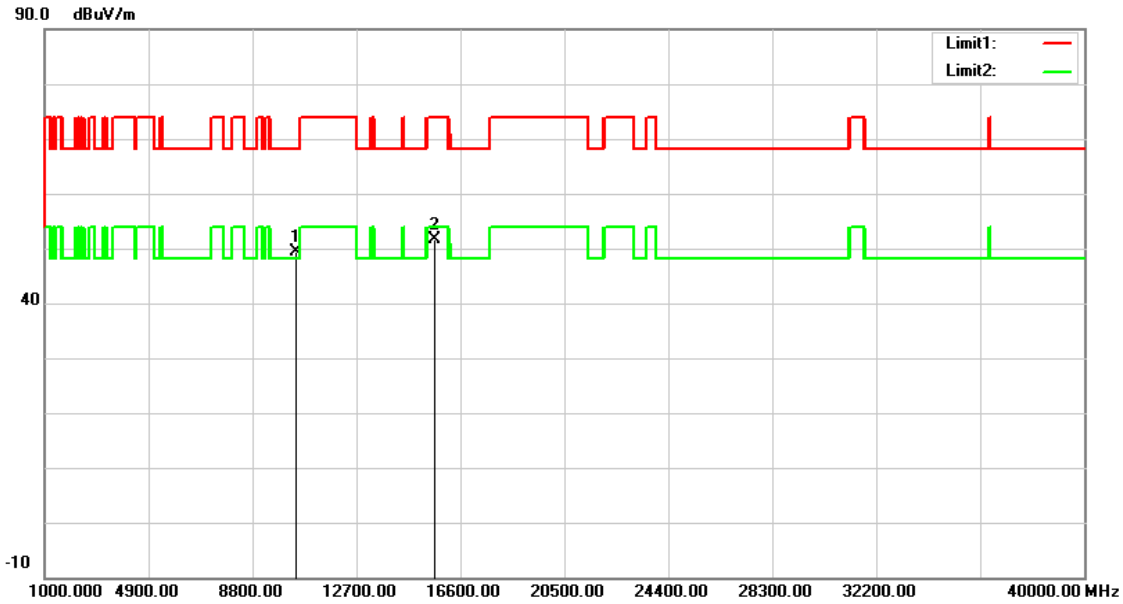
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.89	17.46	49.35	68.20	-18.85	peak
2	15630.000	32.12	20.53	52.65	74.00	-21.35	peak
3	15630.000	20.37	20.53	40.90	54.00	-13.10	AVG

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

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

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

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



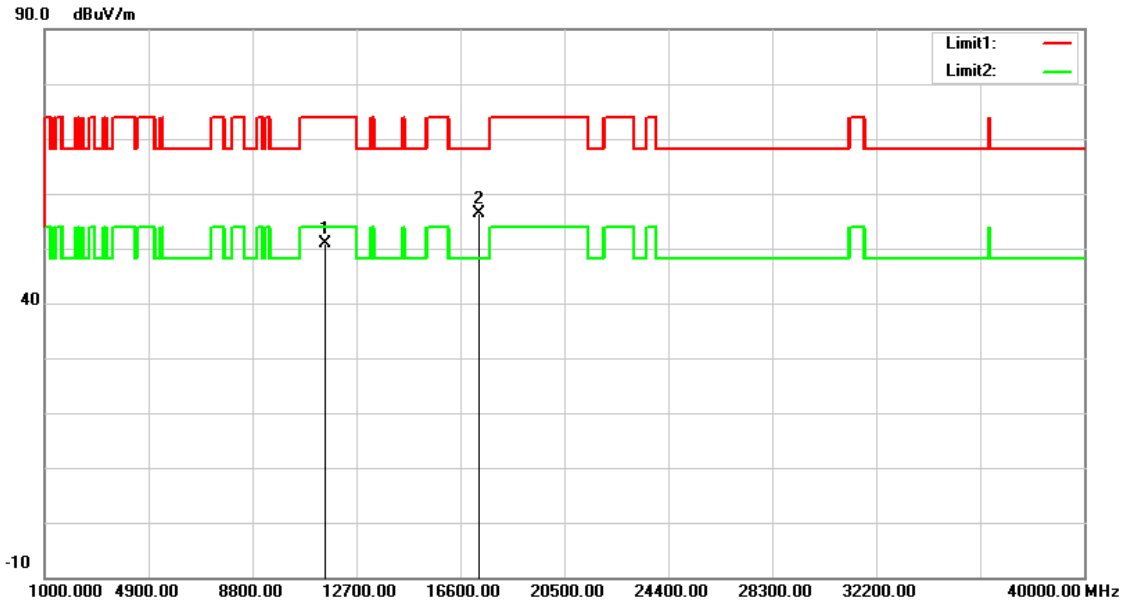
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	31.85	17.46	49.31	68.20	-18.89	peak
2	15630.000	31.15	20.53	51.68	74.00	-22.32	peak

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

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

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

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



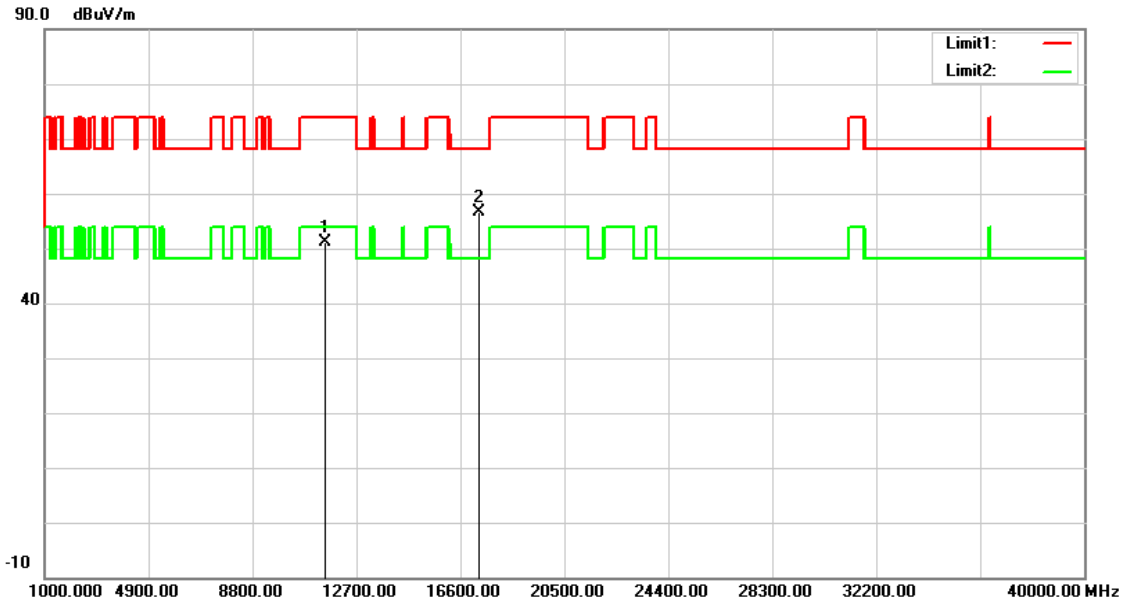
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.41	19.42	50.83	74.00	-23.17	peak
2	17325.000	31.20	25.25	56.45	68.20	-11.75	peak

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



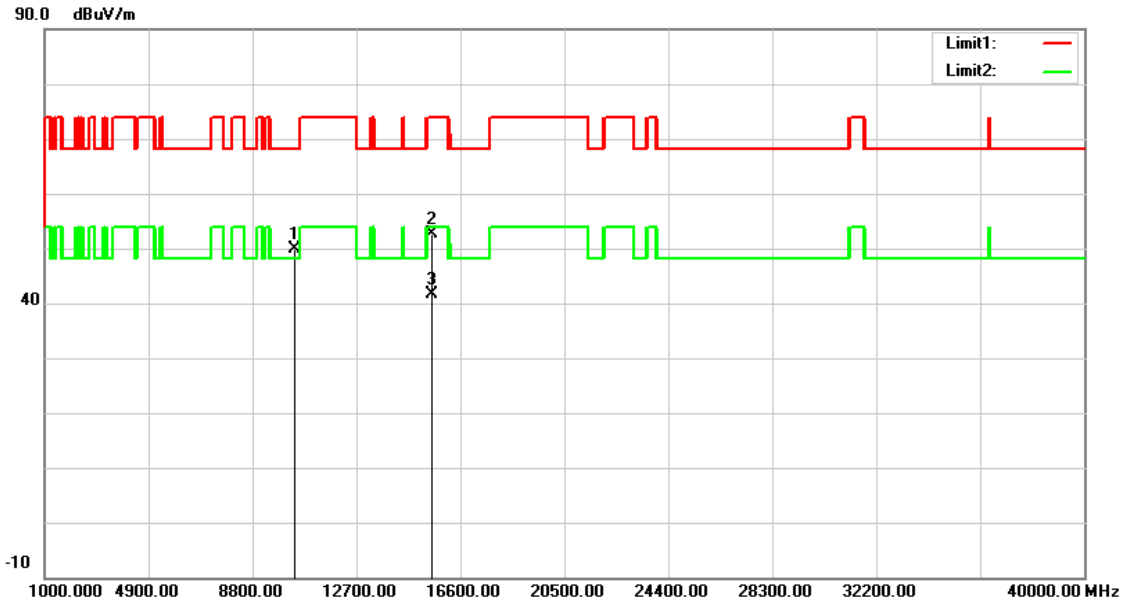
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	31.74	19.42	51.16	74.00	-22.84	peak
2	17325.000	31.34	25.25	56.59	68.20	-11.61	peak

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:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



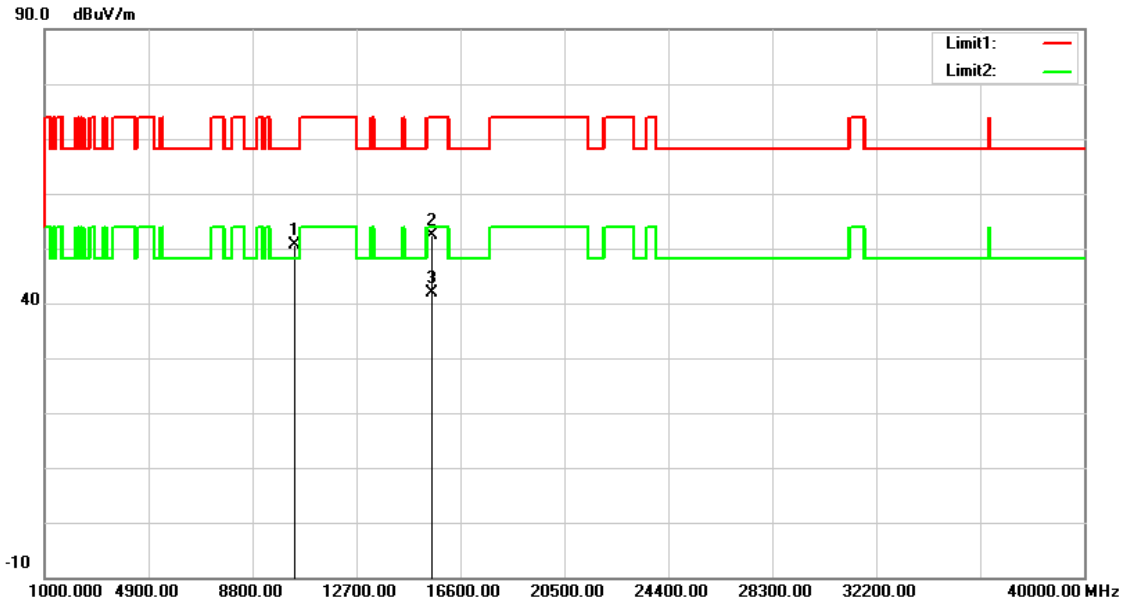
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	32.56	17.29	49.85	68.20	-18.35	peak
2	15540.000	31.99	20.75	52.74	74.00	-21.26	peak
3	15540.000	20.84	20.75	41.59	54.00	-12.41	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



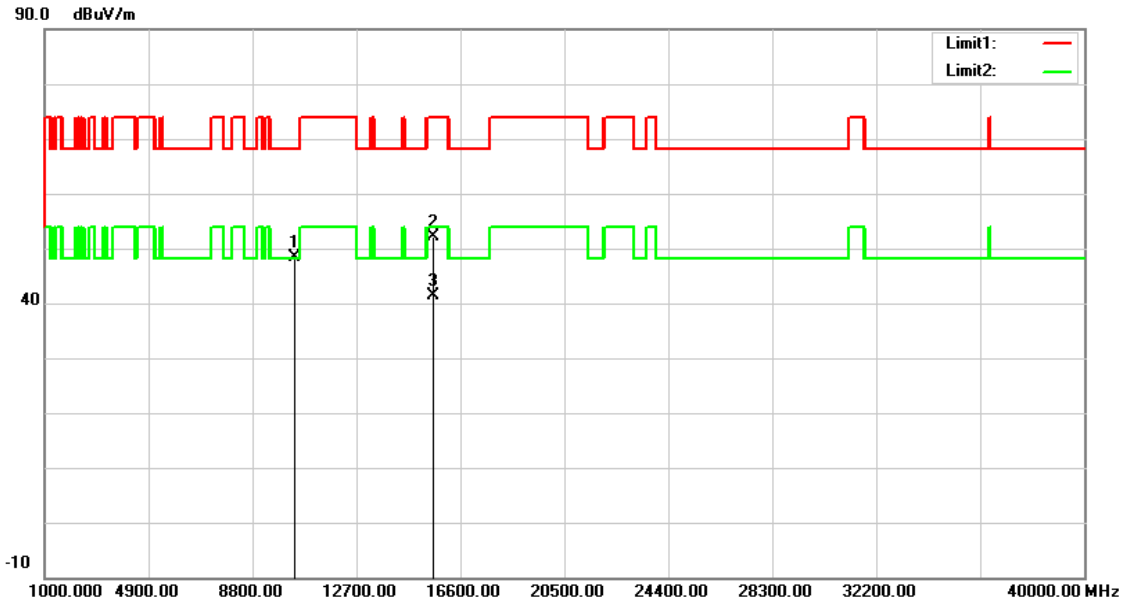
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	33.38	17.29	50.67	68.20	-17.53	peak
2	15540.000	31.55	20.75	52.30	74.00	-21.70	peak
3	15540.000	21.07	20.75	41.82	54.00	-12.18	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



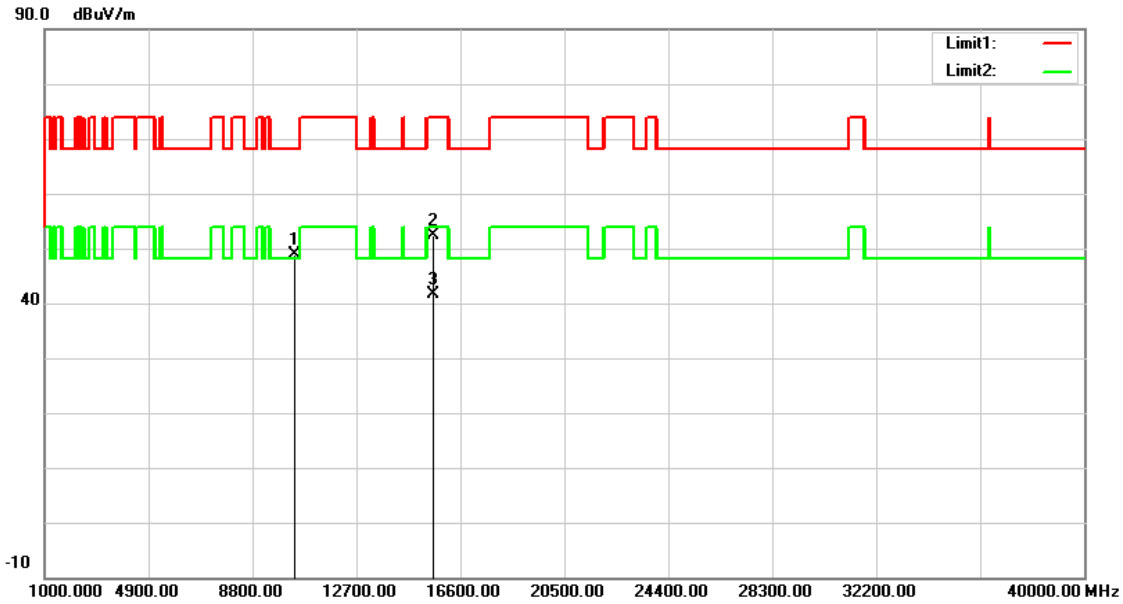
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	30.90	17.40	48.30	68.20	-19.90	peak
2	15600.000	31.50	20.60	52.10	74.00	-21.90	peak
3	15600.000	20.89	20.60	41.49	54.00	-12.51	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



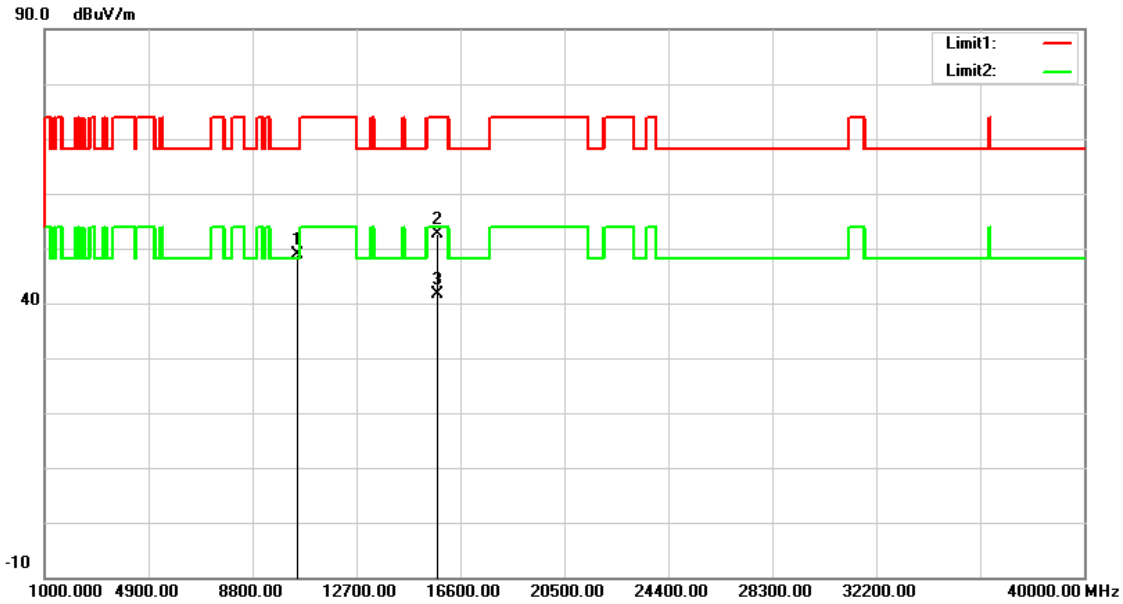
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.56	17.40	48.96	68.20	-19.24	peak
2	15600.000	31.68	20.60	52.28	74.00	-21.72	peak
3	15600.000	21.06	20.60	41.66	54.00	-12.34	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



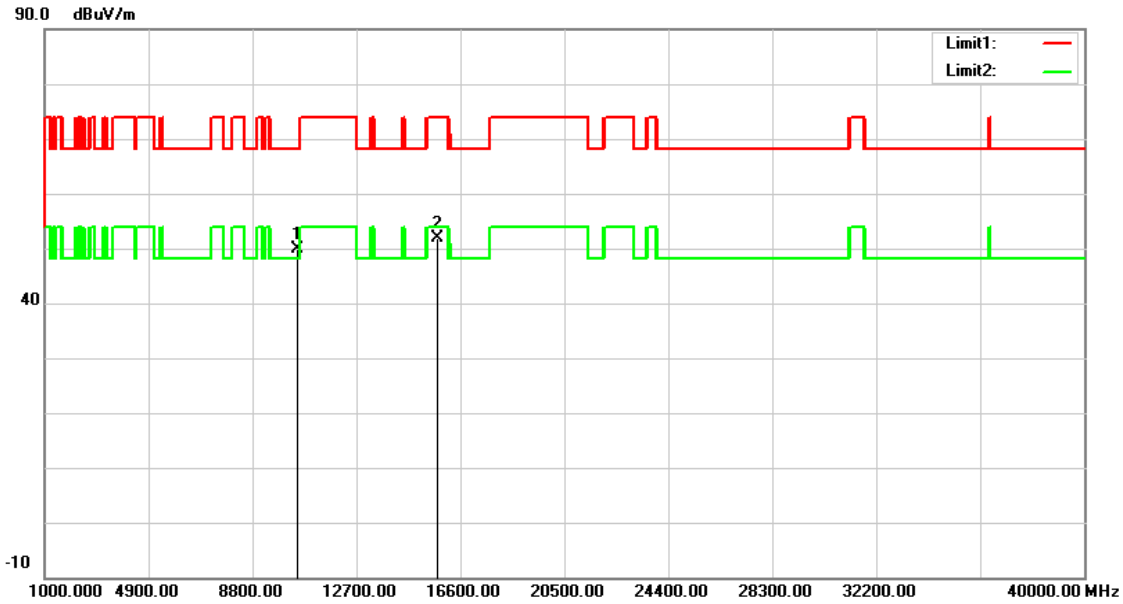
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.35	17.64	48.99	68.20	-19.21	peak
2	15720.000	32.24	20.30	52.54	74.00	-21.46	peak
3	15720.000	21.41	20.30	41.71	54.00	-12.29	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



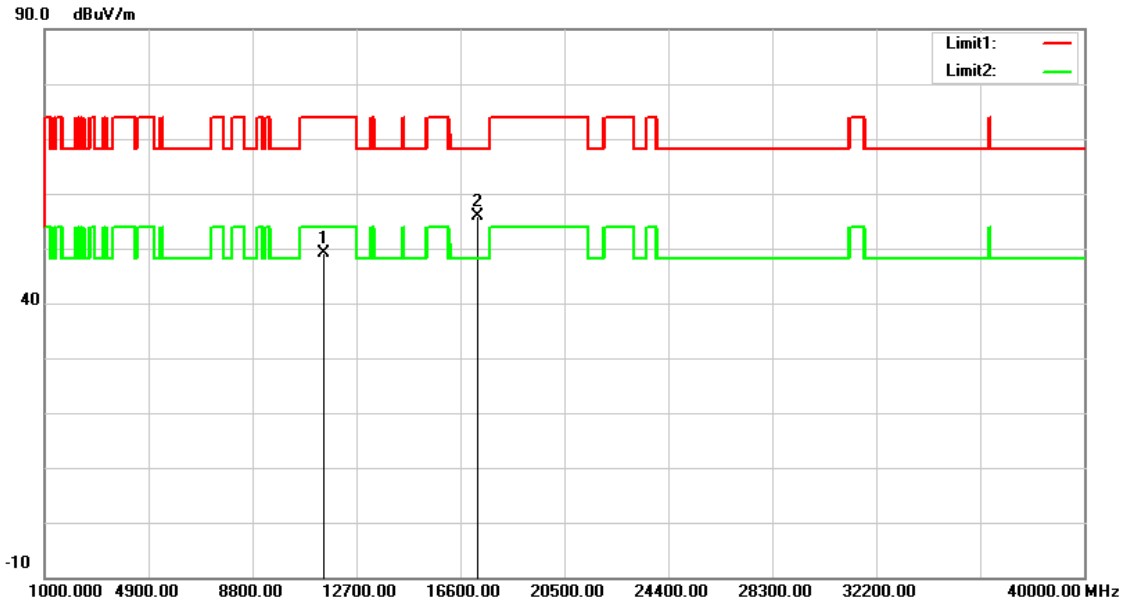
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	32.15	17.64	49.79	68.20	-18.41	peak
2	15720.000	31.64	20.30	51.94	74.00	-22.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



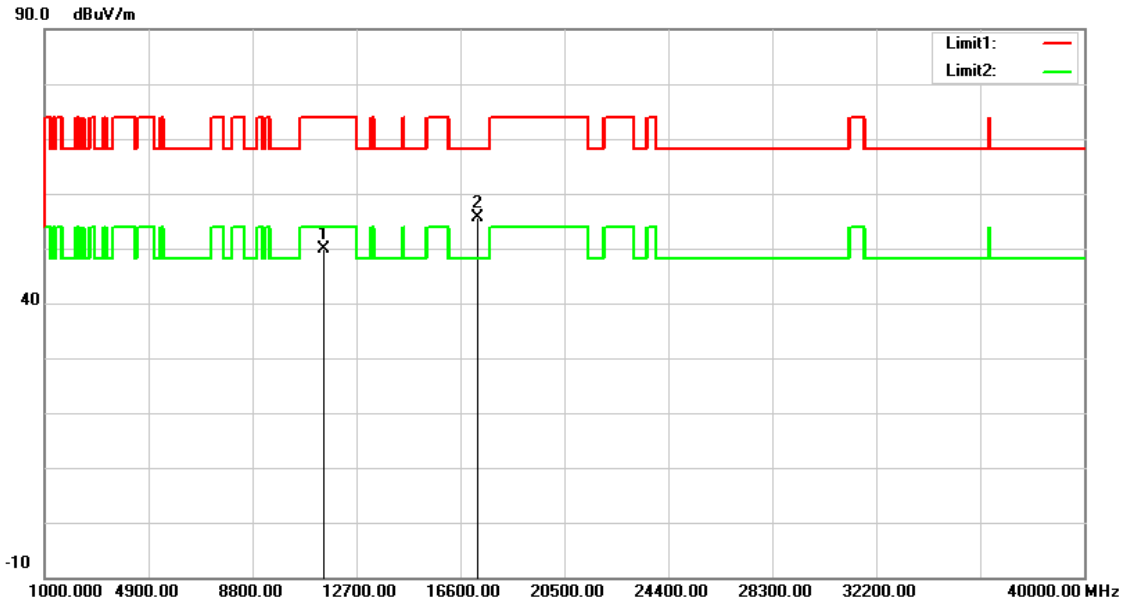
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	29.76	19.45	49.21	74.00	-24.79	peak
2	17235.000	30.78	25.01	55.79	68.20	-12.41	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



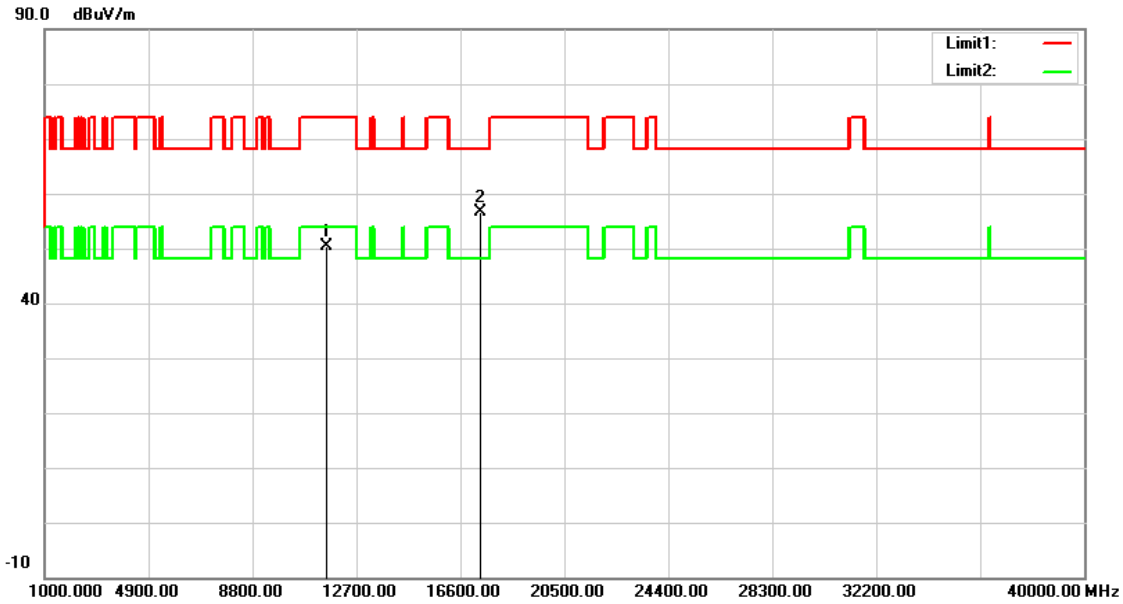
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	30.47	19.45	49.92	74.00	-24.08	peak
2	17235.000	30.57	25.01	55.58	68.20	-12.62	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



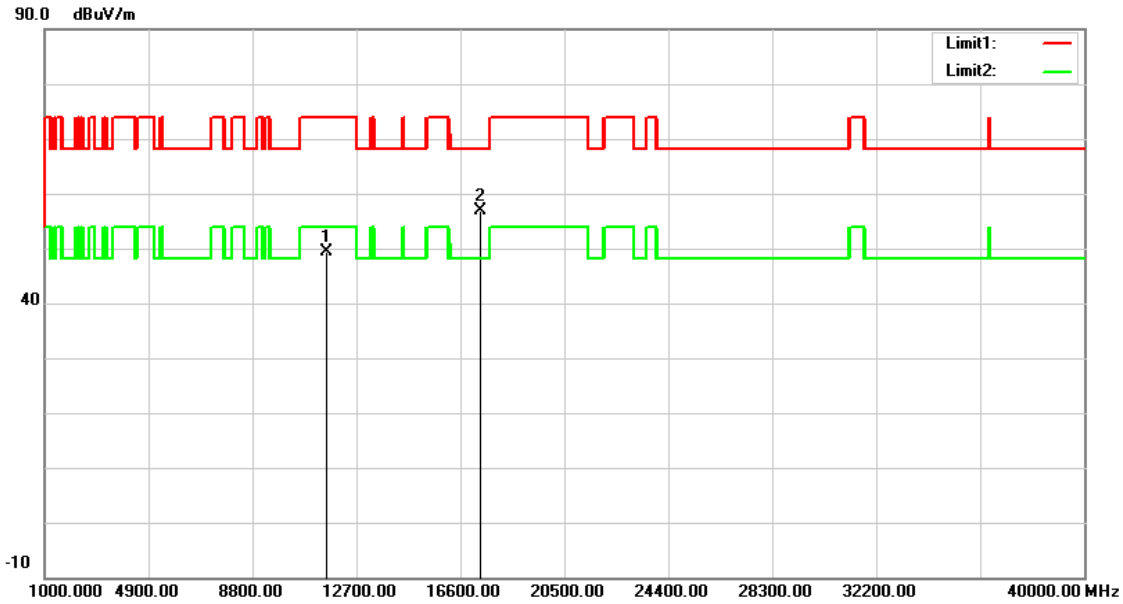
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	30.90	19.39	50.29	74.00	-23.71	peak
2	17355.000	31.35	25.34	56.69	68.20	-11.51	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



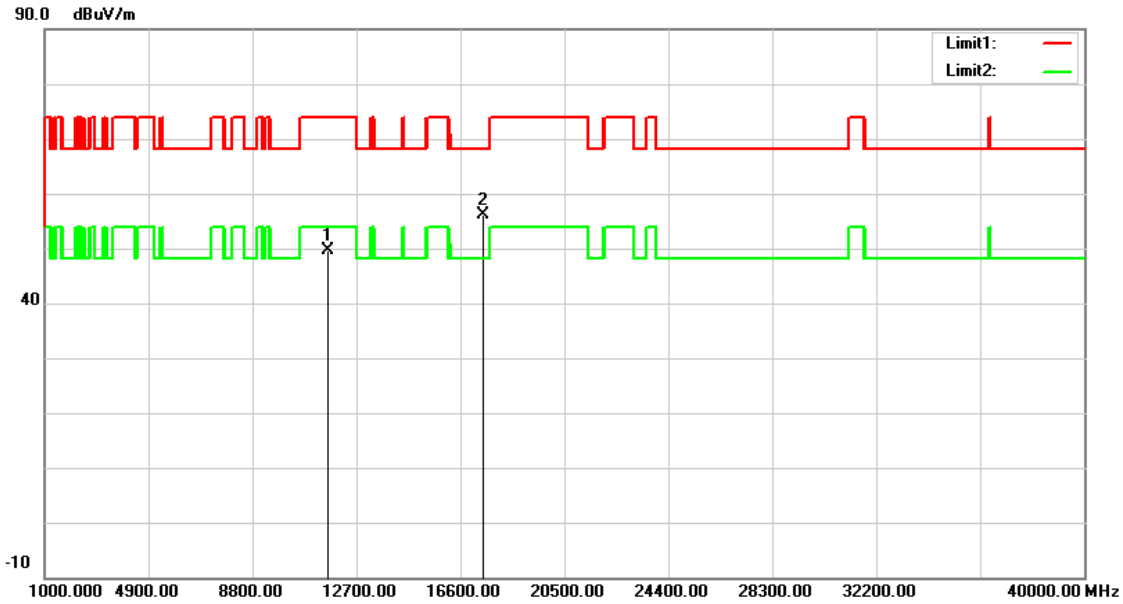
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	29.92	19.39	49.31	74.00	-24.69	peak
2	17355.000	31.43	25.34	56.77	68.20	-11.43	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



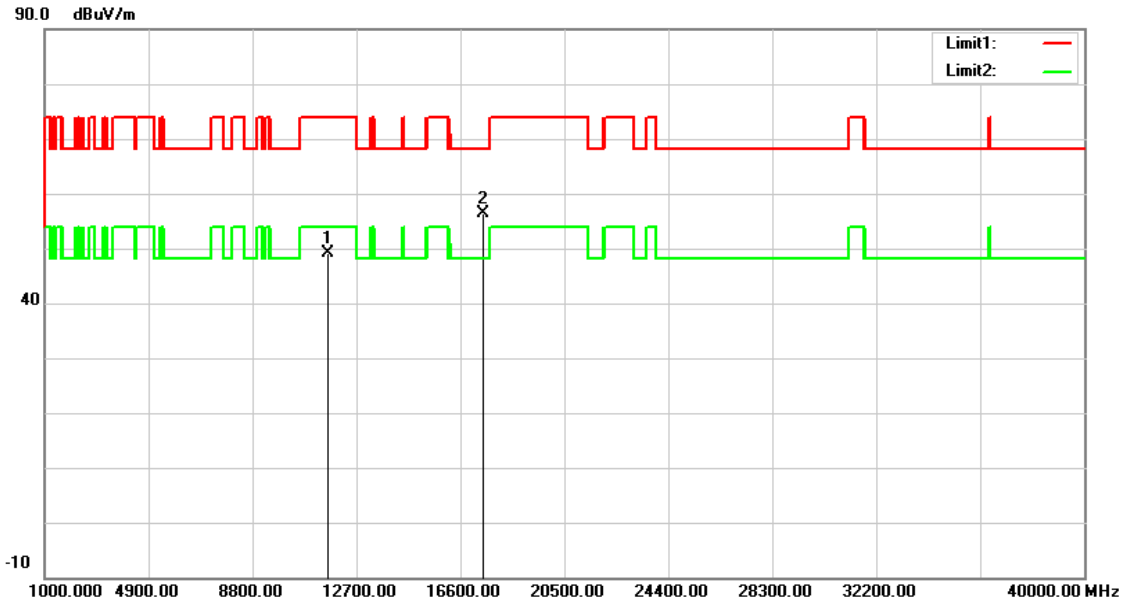
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	30.23	19.32	49.55	74.00	-24.45	peak
2	17475.000	30.59	25.65	56.24	68.20	-11.96	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



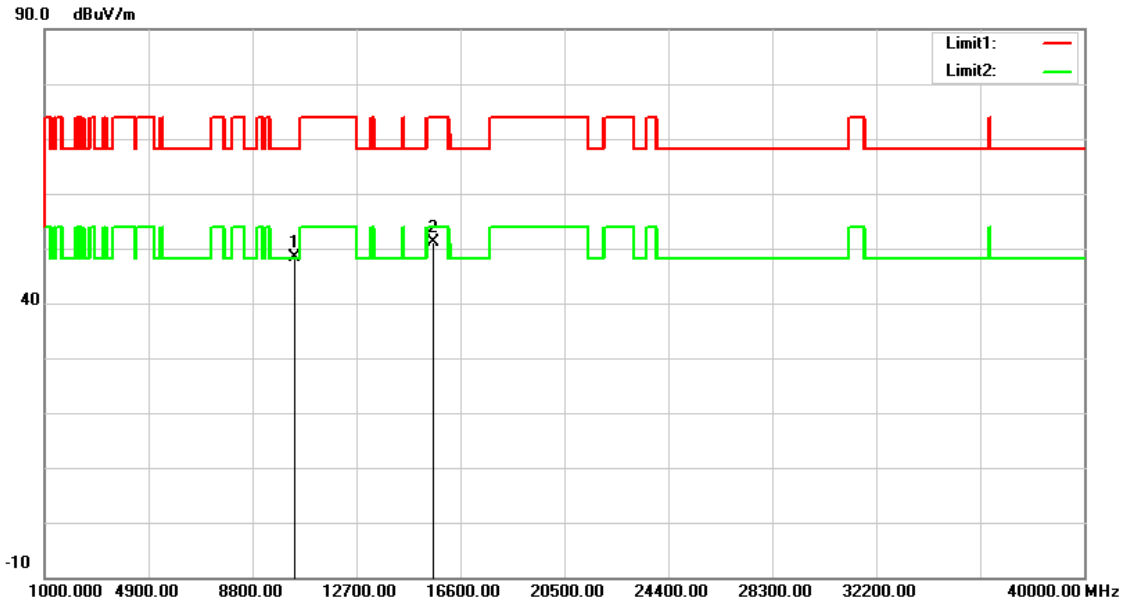
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	29.93	19.32	49.25	74.00	-24.75	peak
2	17475.000	30.65	25.65	56.30	68.20	-11.90	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



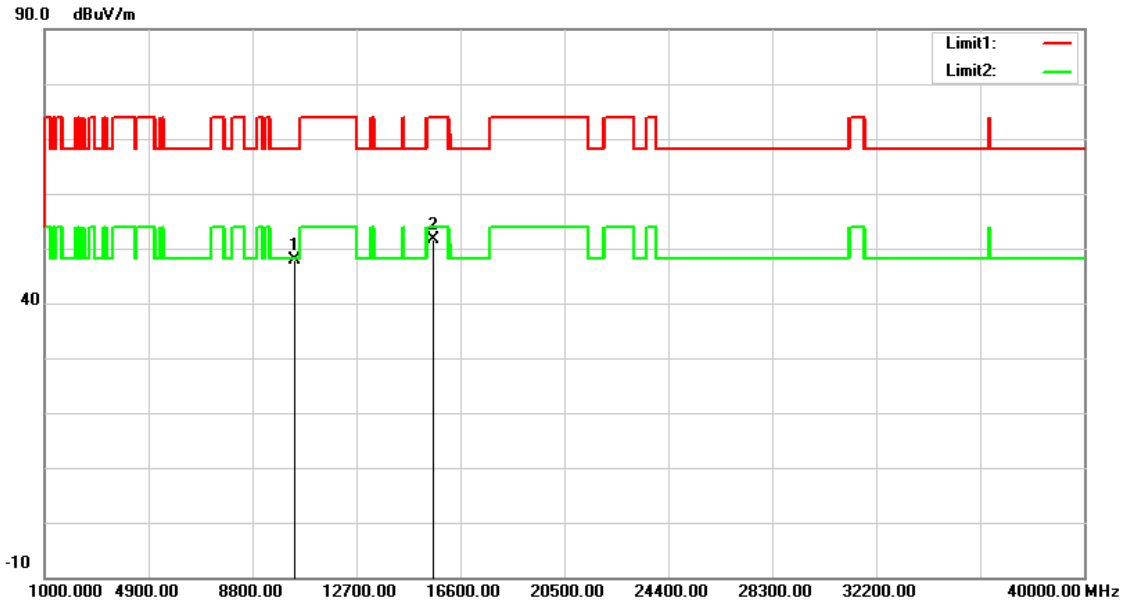
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	30.93	17.35	48.28	68.20	-19.92	peak
2	15570.000	30.50	20.68	51.18	74.00	-22.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



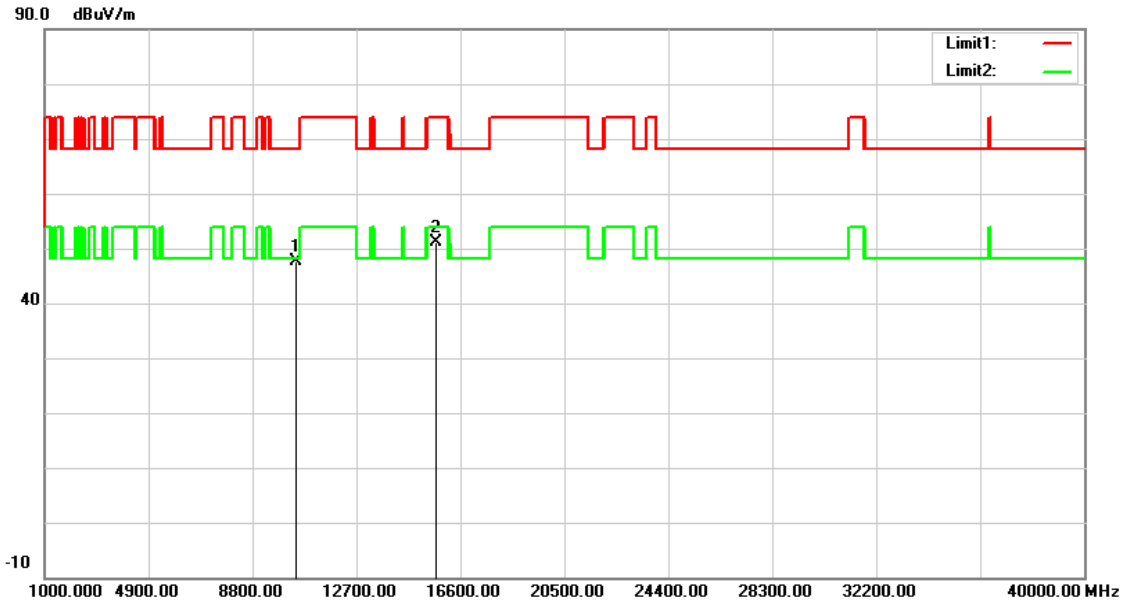
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	30.44	17.35	47.79	68.20	-20.41	peak
2	15570.000	31.03	20.68	51.71	74.00	-22.29	peak

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:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



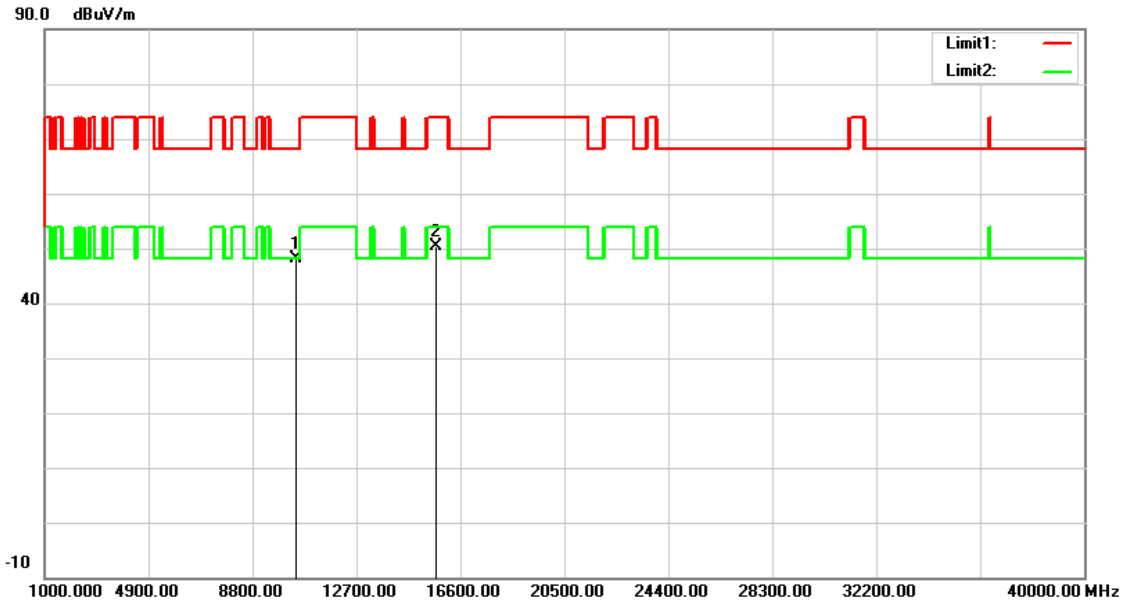
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	29.98	17.59	47.57	68.20	-20.63	peak
2	15690.000	30.75	20.37	51.12	74.00	-22.88	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



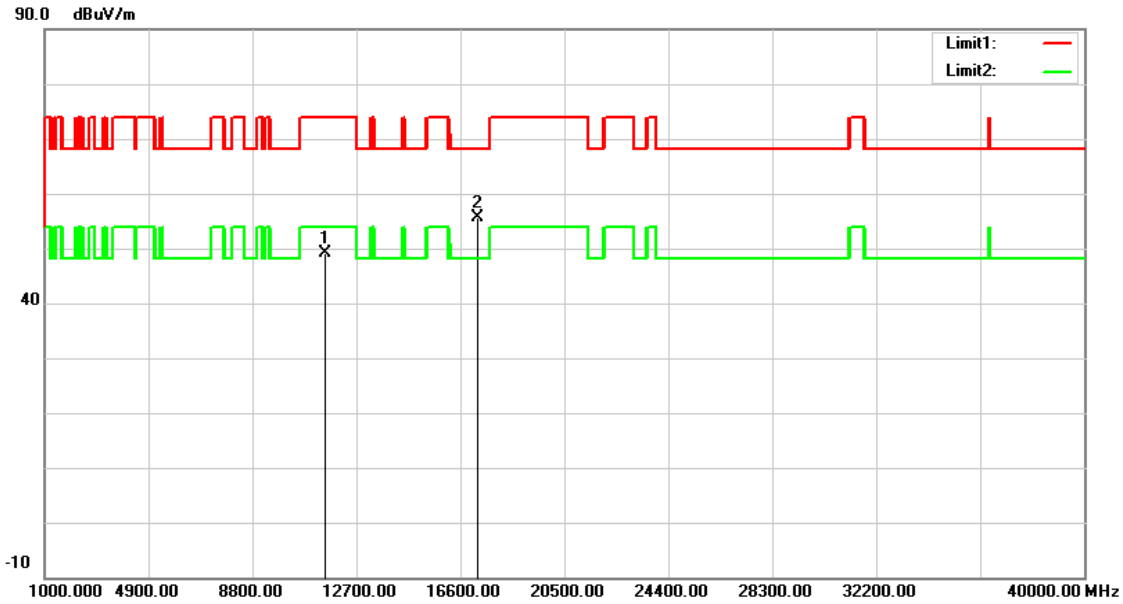
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	30.64	17.59	48.23	68.20	-19.97	peak
2	15690.000	29.98	20.37	50.35	74.00	-23.65	peak

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:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



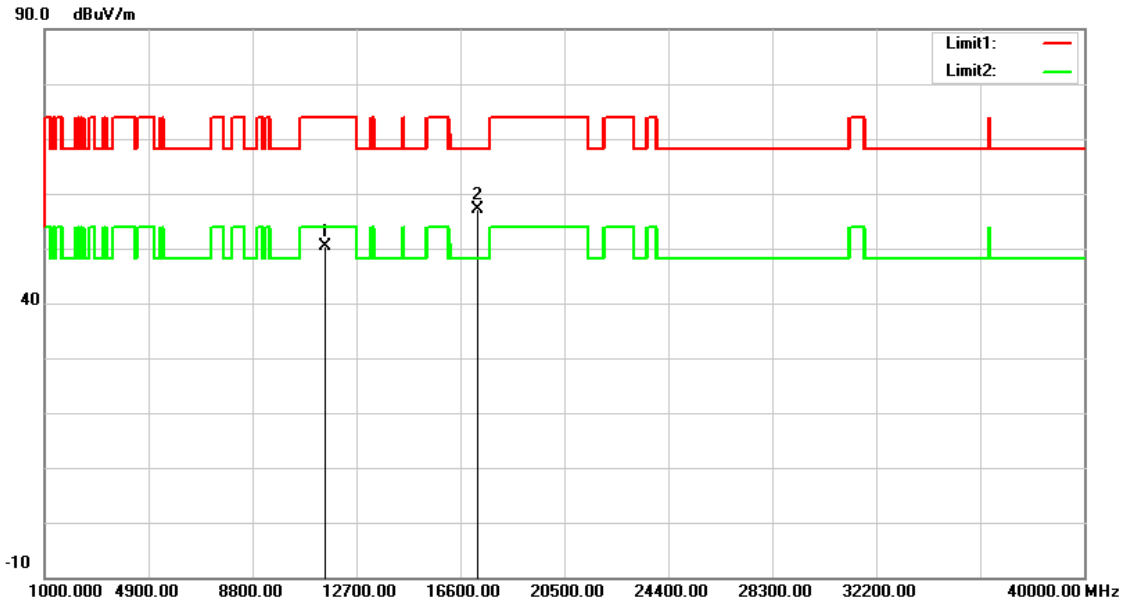
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	29.62	19.46	49.08	74.00	-24.92	peak
2	17265.000	30.50	25.09	55.59	68.20	-12.61	peak

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:	3m
Test item:	Harmonic		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



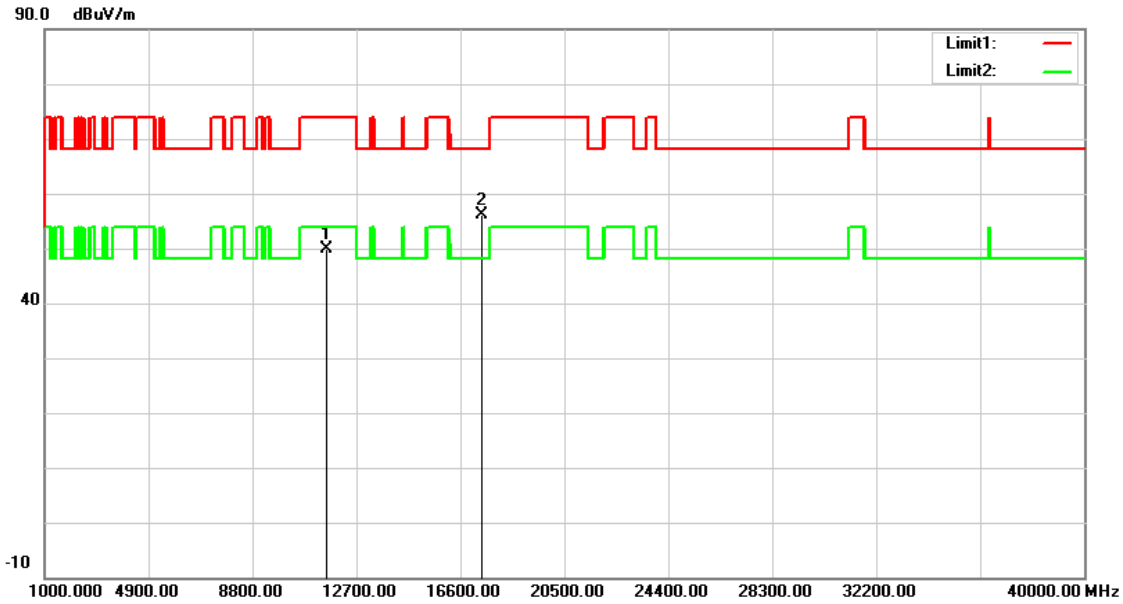
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	30.88	19.46	50.34	74.00	-23.66	peak
2	17265.000	32.07	25.09	57.16	68.20	-11.04	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



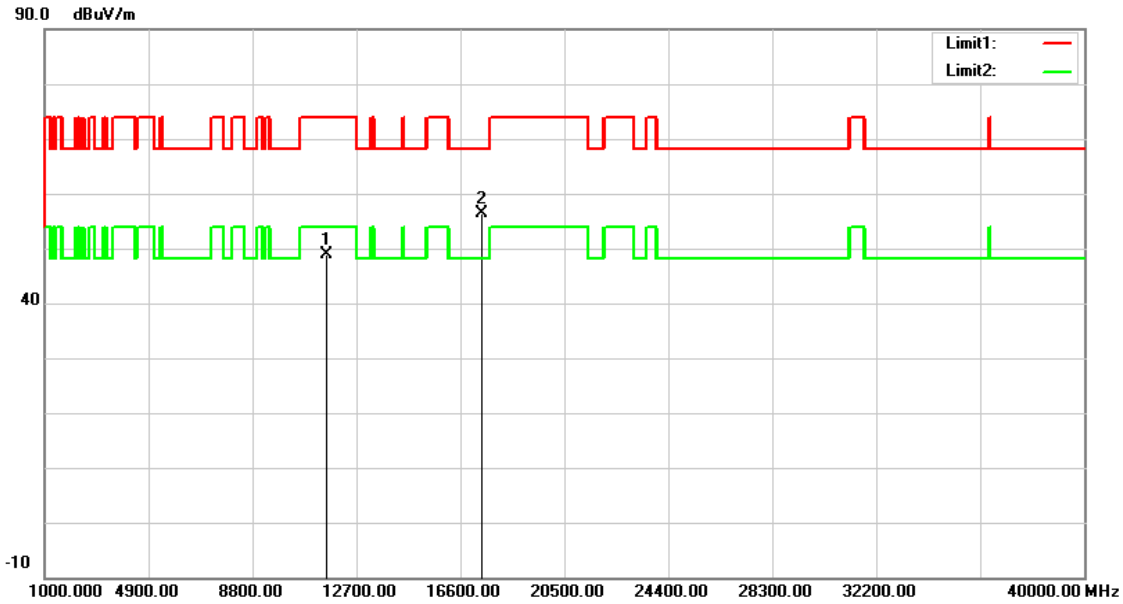
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	30.38	19.38	49.76	74.00	-24.24	peak
2	17385.000	30.64	25.41	56.05	68.20	-12.15	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



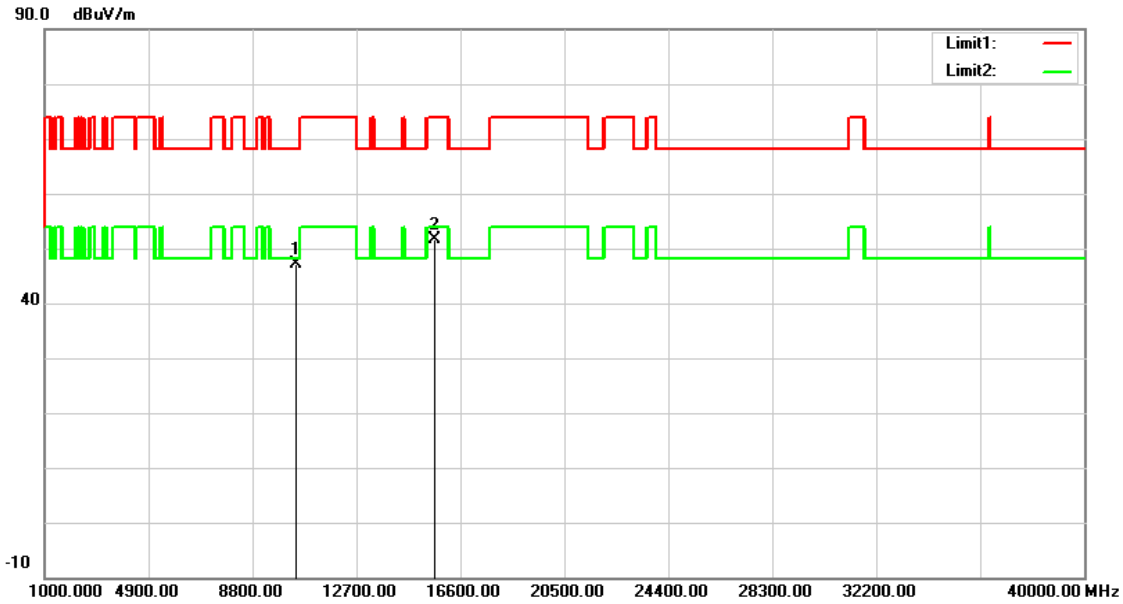
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	29.49	19.38	48.87	74.00	-25.13	peak
2	17385.000	31.04	25.41	56.45	68.20	-11.75	peak

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:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



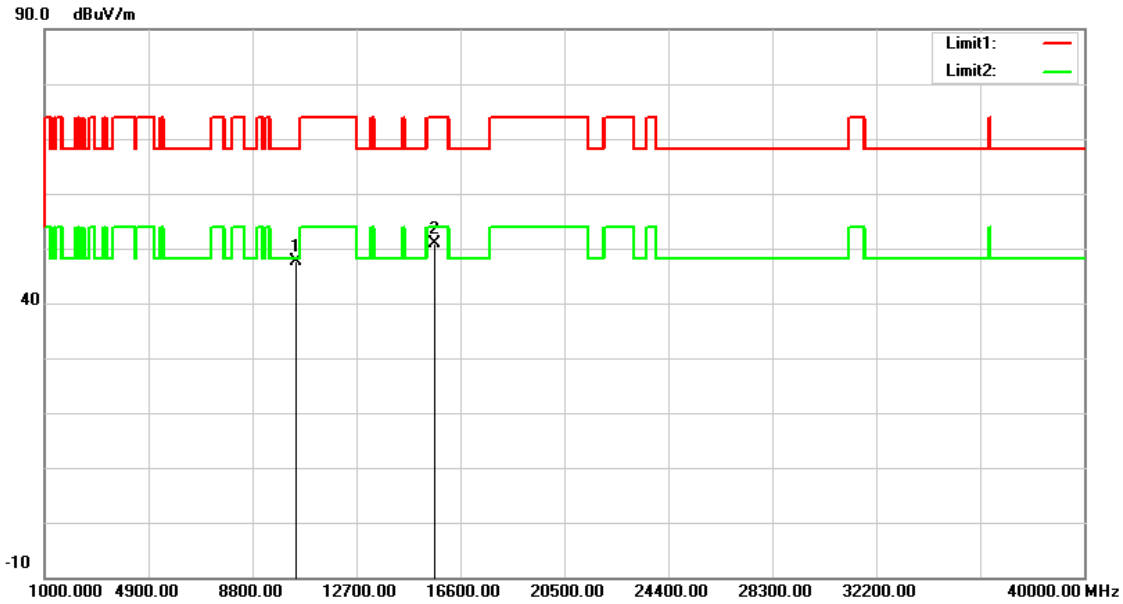
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	29.62	17.46	47.08	68.20	-21.12	peak
2	15630.000	31.19	20.53	51.72	74.00	-22.28	peak

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:	3m
Test item:	Harmonic		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Vertical		



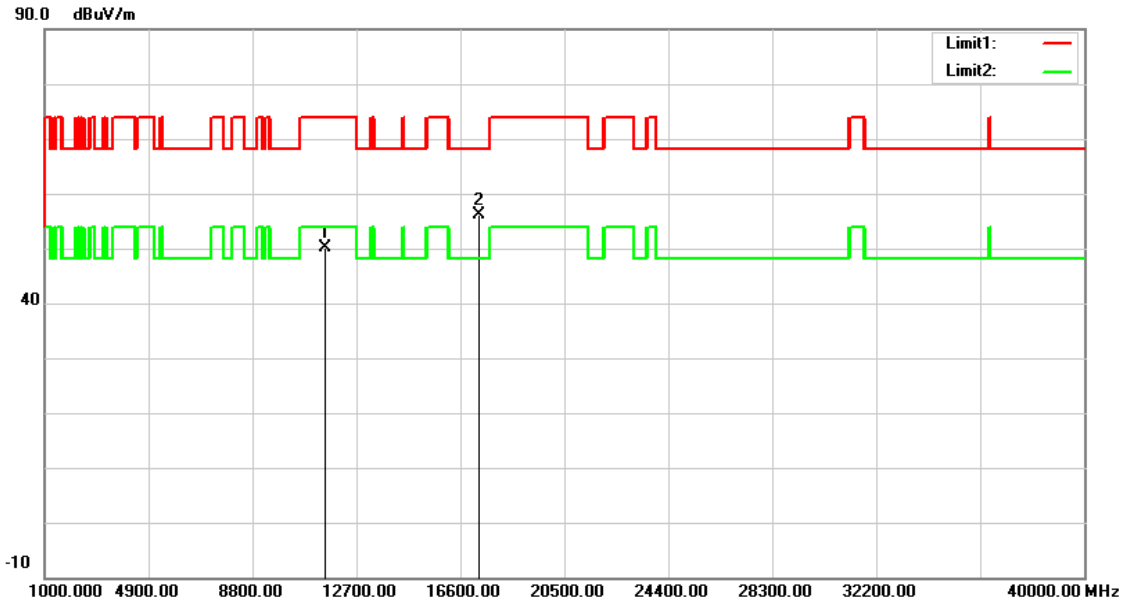
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	30.08	17.46	47.54	68.20	-20.66	peak
2	15630.000	30.44	20.53	50.97	74.00	-23.03	peak

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:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



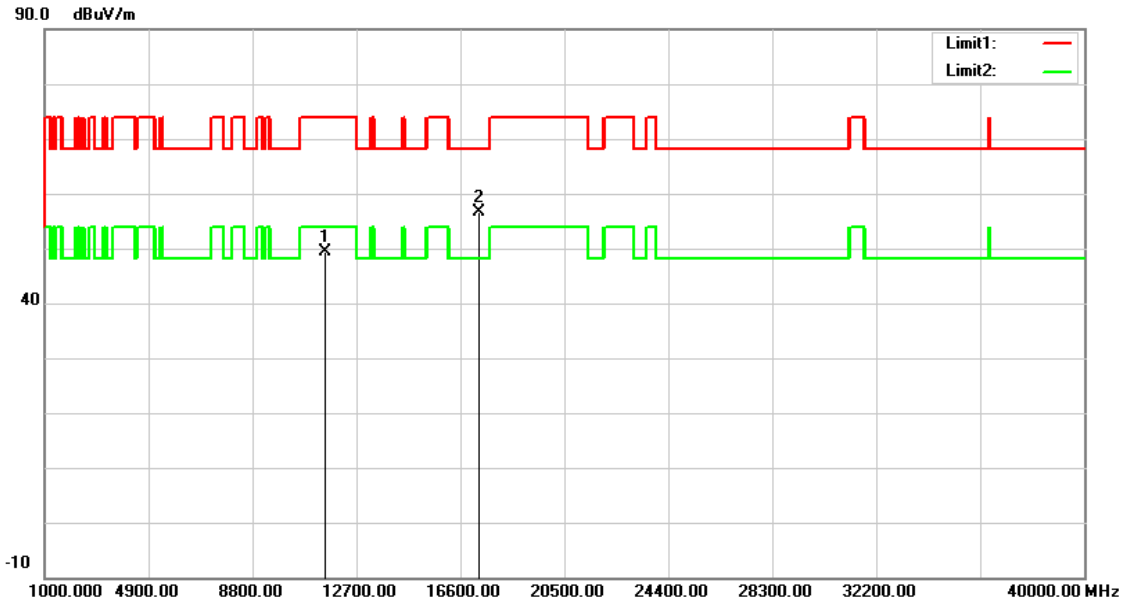
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	30.81	19.42	50.23	74.00	-23.77	peak
2	17325.000	30.84	25.25	56.09	68.20	-12.11	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5775MHz		
Mode:	Mode 8		
Ant.Polar.:	Vertical		



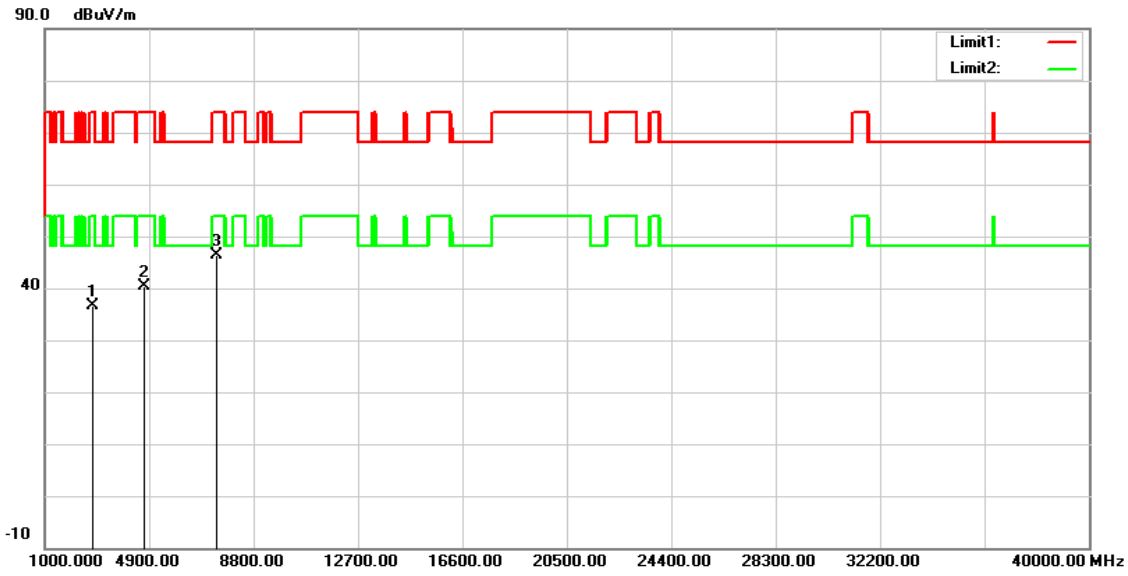
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	29.85	19.42	49.27	74.00	-24.73	peak
2	17325.000	31.29	25.25	56.54	68.20	-11.66	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Simultaneous Transmitting		
	(WLAN 5 GHz+ WLAN 2.4 GHz)		
Ant.Polar.:	Horizontal		



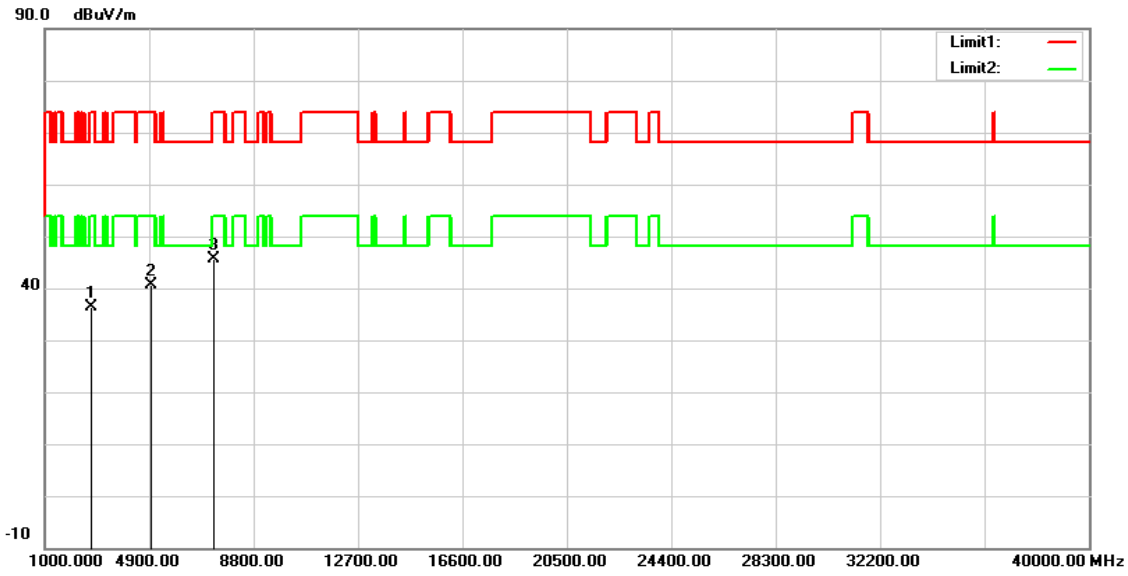
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	35.95	0.56	36.51	74.00	-37.49	peak
2	4689.000	34.93	5.56	40.49	74.00	-33.51	peak
3	7443.000	33.20	13.18	46.38	74.00	-27.62	peak

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		
Mode:	Simultaneous Transmitting		
	(WLAN 5 GHz+ WLAN 2.4 GHz)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	35.89	0.42	36.31	74.00	-37.69	peak
2	4961.000	34.28	6.38	40.66	74.00	-33.34	peak
3	7341.000	32.77	12.84	45.61	74.00	-28.39	peak

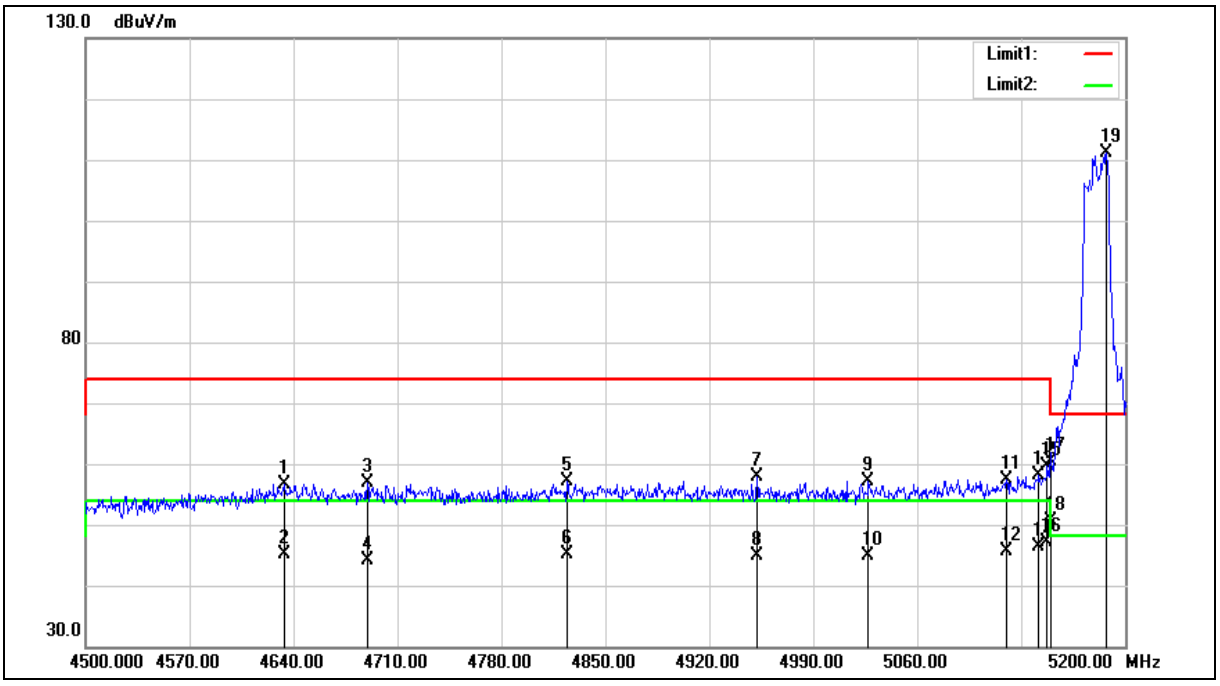
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Band Edge

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



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

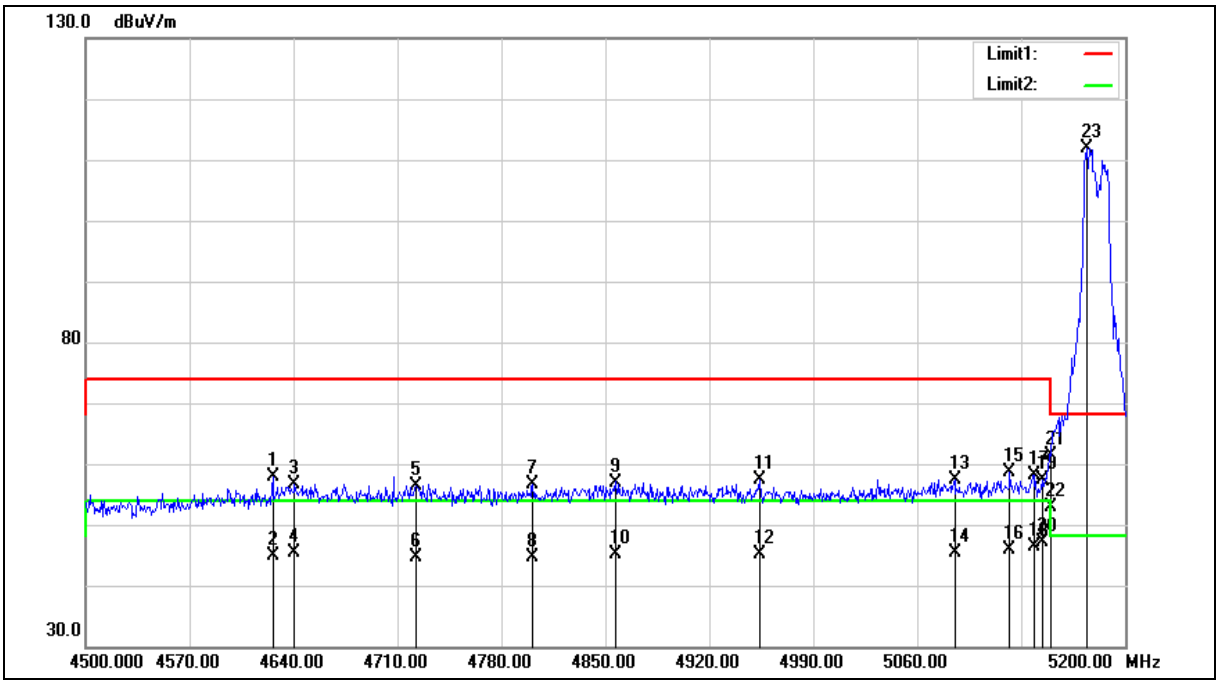
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4633.700	51.14	5.38	56.52	74.00	-17.48	peak
2	4633.700	39.73	5.38	45.11	54.00	-8.89	AVG
3	4689.700	51.31	5.56	56.87	74.00	-17.13	peak
4	4689.700	38.64	5.56	44.20	54.00	-9.80	AVG
5	4824.100	51.14	5.97	57.11	74.00	-16.89	peak
6	4824.100	39.04	5.97	45.01	54.00	-8.99	AVG
7	4952.200	51.59	6.36	57.95	74.00	-16.05	peak
8	4952.200	38.55	6.36	44.91	54.00	-9.09	AVG
9	5027.100	50.50	6.59	57.09	74.00	-16.91	peak
10	5027.100	38.18	6.59	44.77	54.00	-9.23	AVG
11	5120.200	50.52	6.85	57.37	74.00	-16.63	peak
12	5120.200	38.85	6.85	45.70	54.00	-8.30	AVG
13	5141.900	51.10	6.92	58.02	74.00	-15.98	peak
14	5141.900	39.41	6.92	46.33	54.00	-7.67	AVG
15	5147.500	52.58	6.94	59.52	74.00	-14.48	peak
16	5147.500	40.21	6.94	47.15	54.00	-6.85	AVG
17	5150.000	53.39	6.94	60.33	74.00	-13.67	peak
18	5150.000	43.75	6.94	50.69	54.00	-3.31	AVG
19	5187.400	104.12	7.05	111.17	--	--	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:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



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

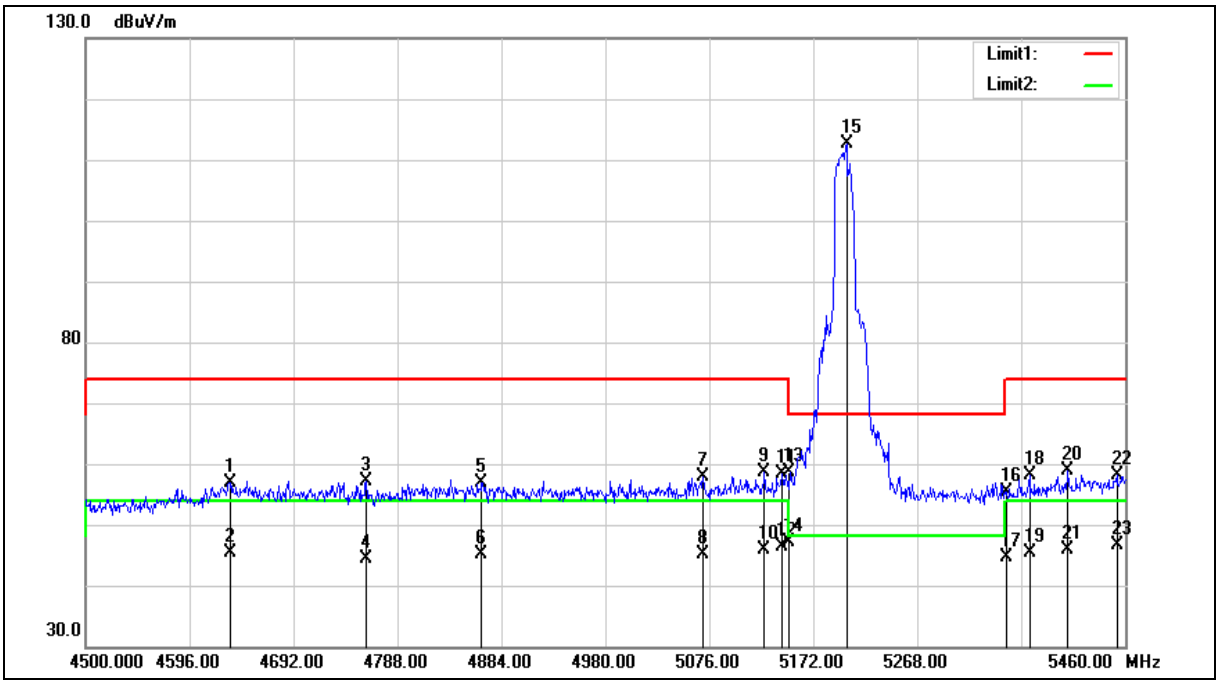
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4626.000	52.39	5.37	57.76	74.00	-16.24	peak
2	4626.000	39.58	5.37	44.95	54.00	-9.05	AVG
3	4640.700	51.20	5.41	56.61	74.00	-17.39	peak
4	4640.700	39.91	5.41	45.32	54.00	-8.68	AVG
5	4722.600	50.76	5.67	56.43	74.00	-17.57	peak
6	4722.600	39.04	5.67	44.71	54.00	-9.29	AVG
7	4801.000	50.71	5.90	56.61	74.00	-17.39	peak
8	4801.000	38.74	5.90	44.64	54.00	-9.36	AVG
9	4857.000	50.92	6.08	57.00	74.00	-17.00	peak
10	4857.000	39.04	6.08	45.12	54.00	-8.88	AVG
11	4953.600	50.91	6.37	57.28	74.00	-16.72	peak
12	4953.600	38.66	6.37	45.03	54.00	-8.97	AVG
13	5085.200	50.75	6.75	57.50	74.00	-16.50	peak
14	5085.200	38.65	6.75	45.40	54.00	-8.60	AVG
15	5122.300	51.82	6.85	58.67	74.00	-15.33	peak
16	5122.300	39.00	6.85	45.85	54.00	-8.15	AVG
17	5138.400	51.23	6.91	58.14	74.00	-15.86	peak
18	5138.400	39.56	6.91	46.47	54.00	-7.53	AVG
19	5144.000	50.56	6.92	57.48	74.00	-16.52	peak
20	5144.000	40.33	6.92	47.25	54.00	-6.75	AVG
21	5150.000	54.44	6.94	61.38	74.00	-12.62	peak
22	5150.000	45.97	6.94	52.91	54.00	-1.09	AVG
23	5174.100	104.76	7.00	111.76	--	--	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:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

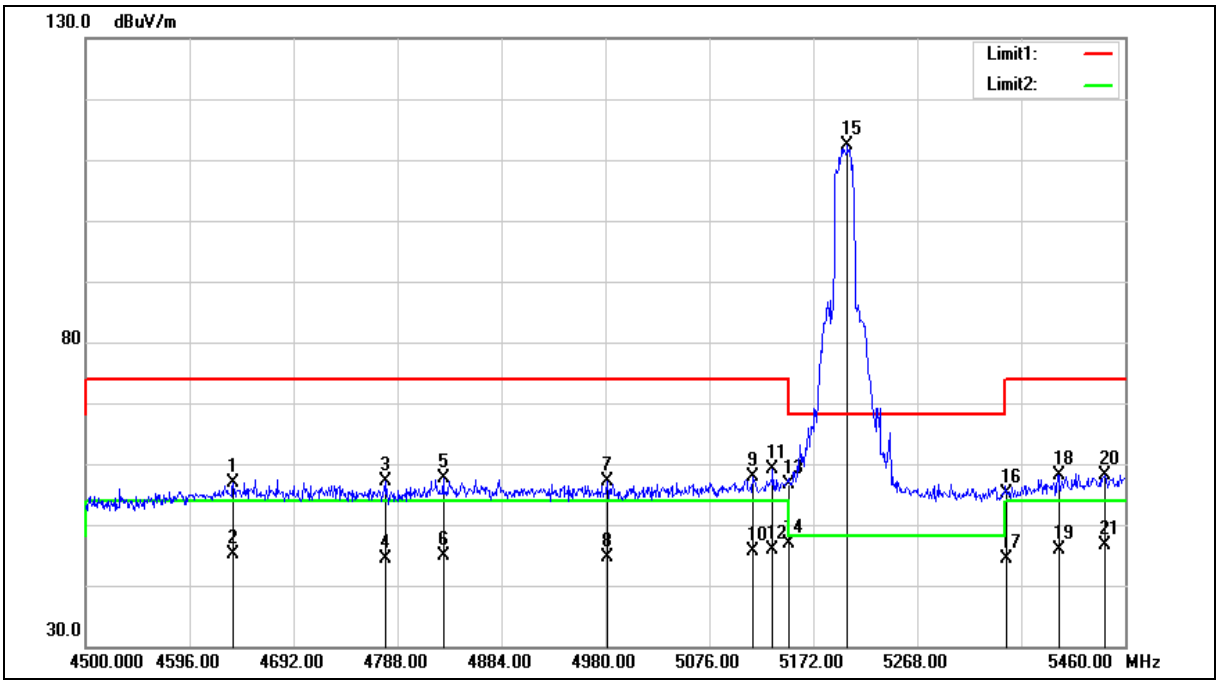
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4633.440	51.43	5.38	56.81	74.00	-17.19	peak
2	4633.440	39.98	5.38	45.36	54.00	-8.64	AVG
3	4759.200	51.24	5.77	57.01	74.00	-16.99	peak
4	4759.200	38.50	5.77	44.27	54.00	-9.73	AVG
5	4865.760	50.77	6.10	56.87	74.00	-17.13	peak
6	4865.760	39.01	6.10	45.11	54.00	-8.89	AVG
7	5070.240	51.11	6.71	57.82	74.00	-16.18	peak
8	5070.240	38.38	6.71	45.09	54.00	-8.91	AVG
9	5126.880	51.65	6.88	58.53	74.00	-15.47	peak
10	5126.880	38.99	6.88	45.87	54.00	-8.13	AVG
11	5143.200	51.36	6.92	58.28	74.00	-15.72	peak
12	5143.200	39.39	6.92	46.31	54.00	-7.69	AVG
13	5150.000	51.78	6.94	58.72	74.00	-15.28	peak
14	5150.000	40.22	6.94	47.16	54.00	-6.84	AVG
15	5202.720	105.50	7.08	112.58	--	--	peak
16	5350.000	47.76	7.50	55.26	74.00	-18.74	peak
17	5350.000	37.25	7.50	44.75	54.00	-9.25	AVG
18	5371.680	50.59	7.56	58.15	74.00	-15.85	peak
19	5371.680	37.80	7.56	45.36	54.00	-8.64	AVG
20	5407.200	51.13	7.67	58.80	74.00	-15.20	peak
21	5407.200	38.30	7.67	45.97	54.00	-8.03	AVG
22	5452.320	50.34	7.79	58.13	74.00	-15.87	peak
23	5452.320	38.87	7.79	46.66	54.00	-7.34	AVG

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

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

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

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



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

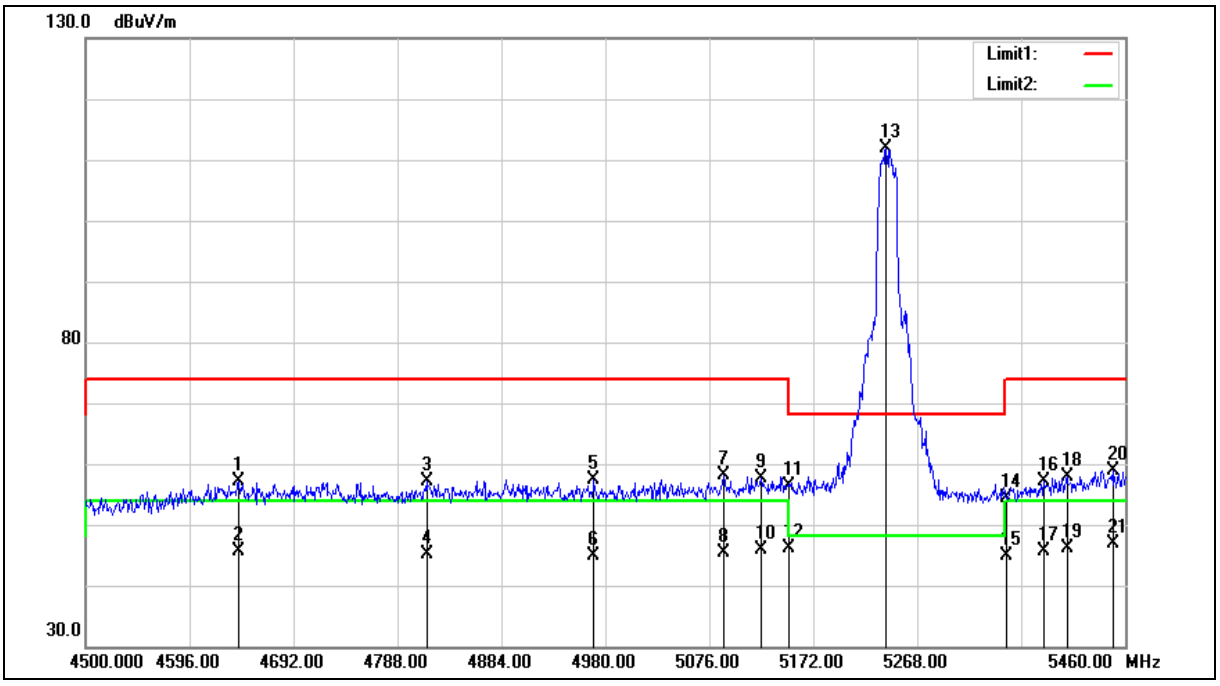
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4636.320	51.58	5.40	56.98	74.00	-17.02	peak
2	4636.320	39.74	5.40	45.14	54.00	-8.86	AVG
3	4776.480	51.23	5.82	57.05	74.00	-16.95	peak
4	4776.480	38.46	5.82	44.28	54.00	-9.72	AVG
5	4830.240	51.63	5.99	57.62	74.00	-16.38	peak
6	4830.240	39.01	5.99	45.00	54.00	-9.00	AVG
7	4981.920	50.61	6.46	57.07	74.00	-16.93	peak
8	4981.920	38.23	6.46	44.69	54.00	-9.31	AVG
9	5116.320	50.94	6.84	57.78	74.00	-16.22	peak
10	5116.320	38.82	6.84	45.66	54.00	-8.34	AVG
11	5134.560	52.17	6.89	59.06	74.00	-14.94	peak
12	5134.560	39.09	6.89	45.98	54.00	-8.02	AVG
13	5150.000	49.57	6.94	56.51	74.00	-17.49	peak
14	5150.000	39.86	6.94	46.80	54.00	-7.20	AVG
15	5203.680	105.41	7.09	112.50	--	--	peak
16	5350.000	47.67	7.50	55.17	74.00	-18.83	peak
17	5350.000	36.92	7.50	44.42	54.00	-9.58	AVG
18	5398.560	50.53	7.65	58.18	74.00	-15.82	peak
19	5398.560	38.13	7.65	45.78	54.00	-8.22	AVG
20	5441.760	50.36	7.77	58.13	74.00	-15.87	peak
21	5441.760	38.76	7.77	46.53	54.00	-7.47	AVG

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

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

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

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



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

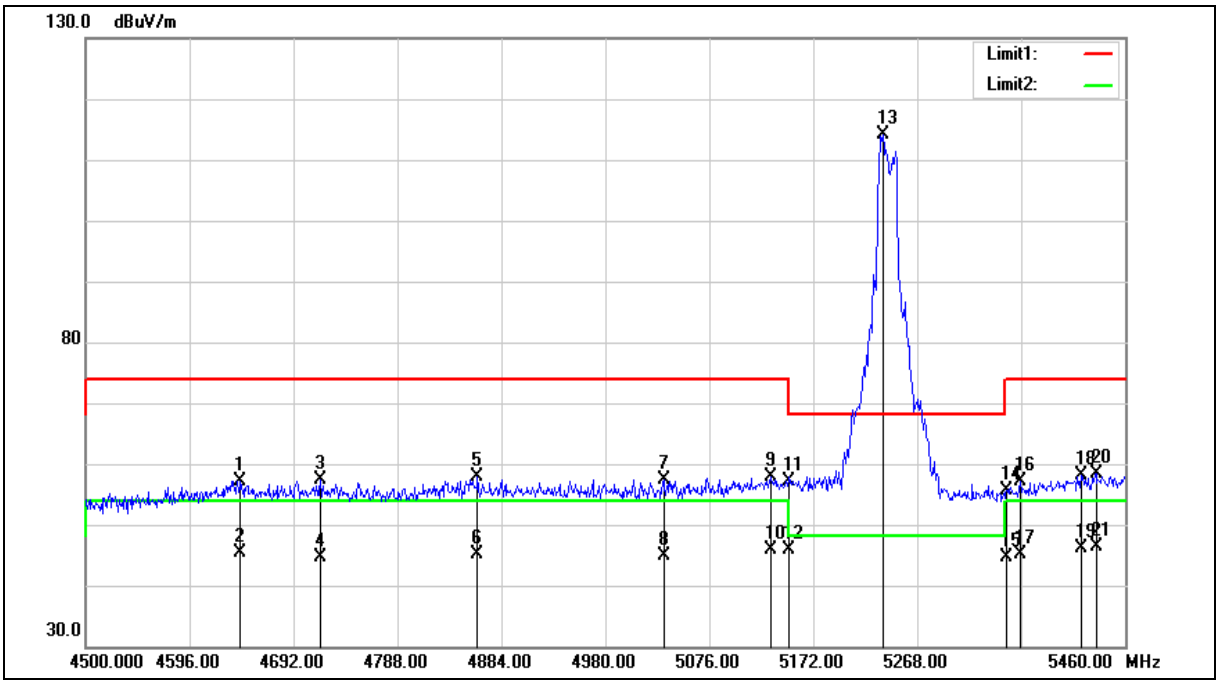
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4641.120	51.60	5.41	57.01	74.00	-16.99	peak
2	4641.120	40.11	5.41	45.52	54.00	-8.48	AVG
3	4814.880	51.08	5.94	57.02	74.00	-16.98	peak
4	4814.880	39.09	5.94	45.03	54.00	-8.97	AVG
5	4969.440	50.91	6.42	57.33	74.00	-16.67	peak
6	4969.440	38.48	6.42	44.90	54.00	-9.10	AVG
7	5089.440	51.38	6.76	58.14	74.00	-15.86	peak
8	5089.440	38.70	6.76	45.46	54.00	-8.54	AVG
9	5124.000	50.76	6.85	57.61	74.00	-16.39	peak
10	5124.000	38.94	6.85	45.79	54.00	-8.21	AVG
11	5150.000	49.43	6.94	56.37	74.00	-17.63	peak
12	5150.000	39.11	6.94	46.05	54.00	-7.95	AVG
13	5239.200	104.62	7.19	111.81	--	--	peak
14	5350.000	47.00	7.50	54.50	74.00	-19.50	peak
15	5350.000	37.30	7.50	44.80	54.00	-9.20	AVG
16	5385.120	49.61	7.61	57.22	74.00	-16.78	peak
17	5385.120	38.00	7.61	45.61	54.00	-8.39	AVG
18	5406.240	50.25	7.67	57.92	74.00	-16.08	peak
19	5406.240	38.49	7.67	46.16	54.00	-7.84	AVG
20	5448.480	51.18	7.79	58.97	74.00	-15.03	peak
21	5448.480	39.05	7.79	46.84	54.00	-7.16	AVG

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

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

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

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



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

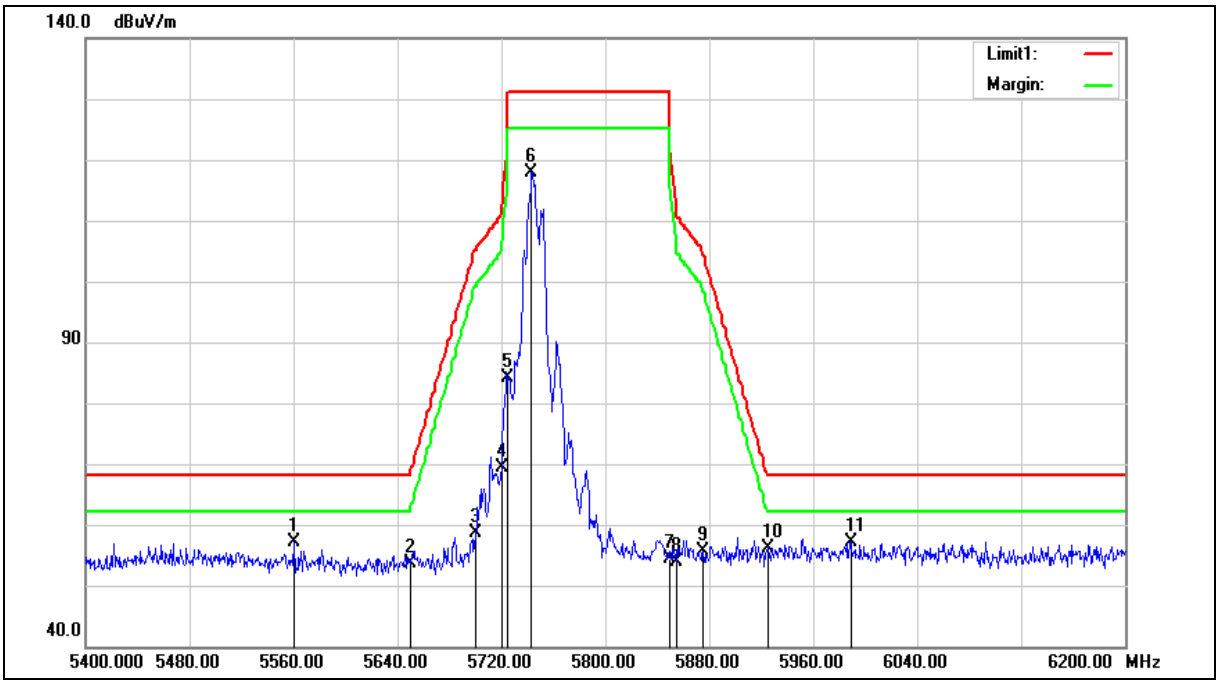
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4643.040	51.77	5.41	57.18	74.00	-16.82	peak
2	4643.040	39.99	5.41	45.40	54.00	-8.60	AVG
3	4716.960	51.75	5.64	57.39	74.00	-16.61	peak
4	4716.960	39.07	5.64	44.71	54.00	-9.29	AVG
5	4861.920	51.83	6.09	57.92	74.00	-16.08	peak
6	4861.920	39.09	6.09	45.18	54.00	-8.82	AVG
7	5033.760	50.87	6.60	57.47	74.00	-16.53	peak
8	5033.760	38.34	6.60	44.94	54.00	-9.06	AVG
9	5132.640	50.94	6.89	57.83	74.00	-16.17	peak
10	5132.640	38.97	6.89	45.86	54.00	-8.14	AVG
11	5150.000	50.15	6.94	57.09	74.00	-16.91	peak
12	5150.000	39.02	6.94	45.96	54.00	-8.04	AVG
13	5236.320	106.89	7.19	114.08	--	--	peak
14	5350.000	48.08	7.50	55.58	74.00	-18.42	peak
15	5350.000	37.22	7.50	44.72	54.00	-9.28	AVG
16	5363.040	49.69	7.53	57.22	74.00	-16.78	peak
17	5363.040	37.48	7.53	45.01	54.00	-8.99	AVG
18	5419.680	50.51	7.71	58.22	74.00	-15.78	peak
19	5419.680	38.47	7.71	46.18	54.00	-7.82	AVG
20	5433.120	50.66	7.74	58.40	74.00	-15.60	peak
21	5433.120	38.66	7.74	46.40	54.00	-7.60	AVG

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

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

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

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



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

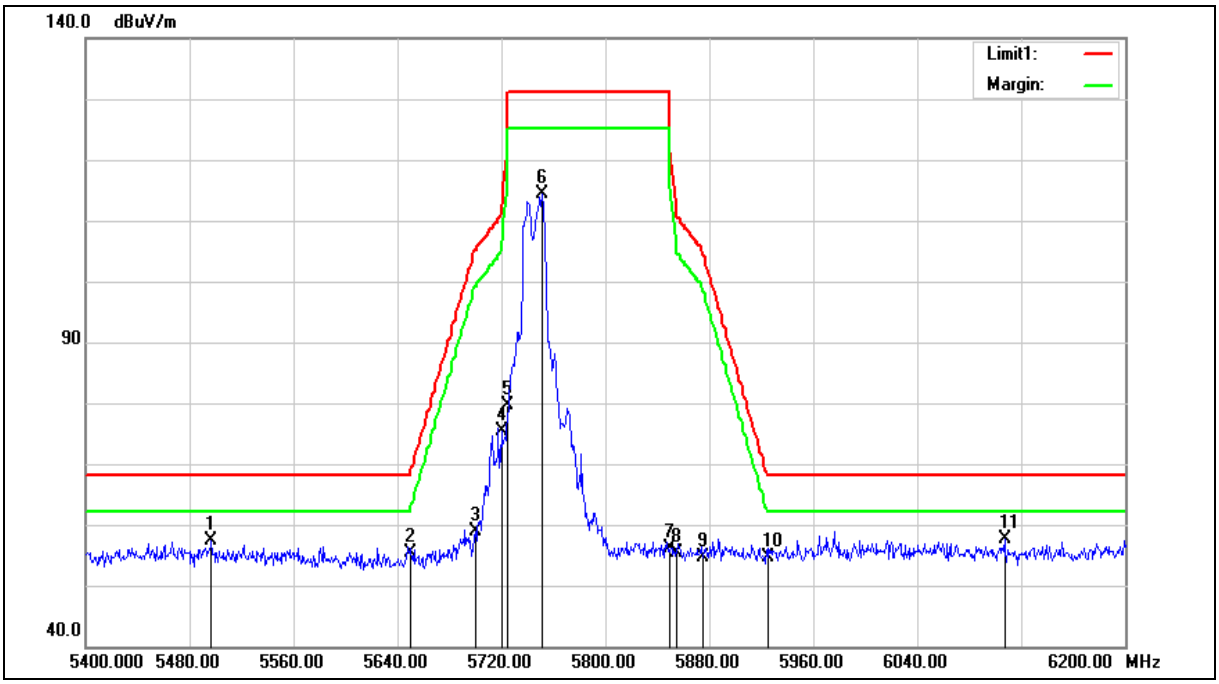
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5560.000	51.03	6.14	57.17	68.20	-11.03	peak
2	5650.000	47.28	6.31	53.59	68.20	-14.61	peak
3	5700.000	52.32	6.40	58.72	105.20	-46.48	peak
4	5720.000	62.94	6.44	69.38	110.80	-41.42	peak
5	5725.000	77.78	6.45	84.23	122.20	-37.97	peak
6	5743.200	111.48	6.47	117.95	--	--	peak
7	5850.000	47.70	6.67	54.37	122.20	-67.83	peak
8	5855.000	47.15	6.67	53.82	110.80	-56.98	peak
9	5875.000	48.91	6.72	55.63	105.20	-49.57	peak
10	5925.000	49.29	6.80	56.09	68.20	-12.11	peak
11	5988.800	50.22	6.92	57.14	68.20	-11.06	peak

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

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

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

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



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

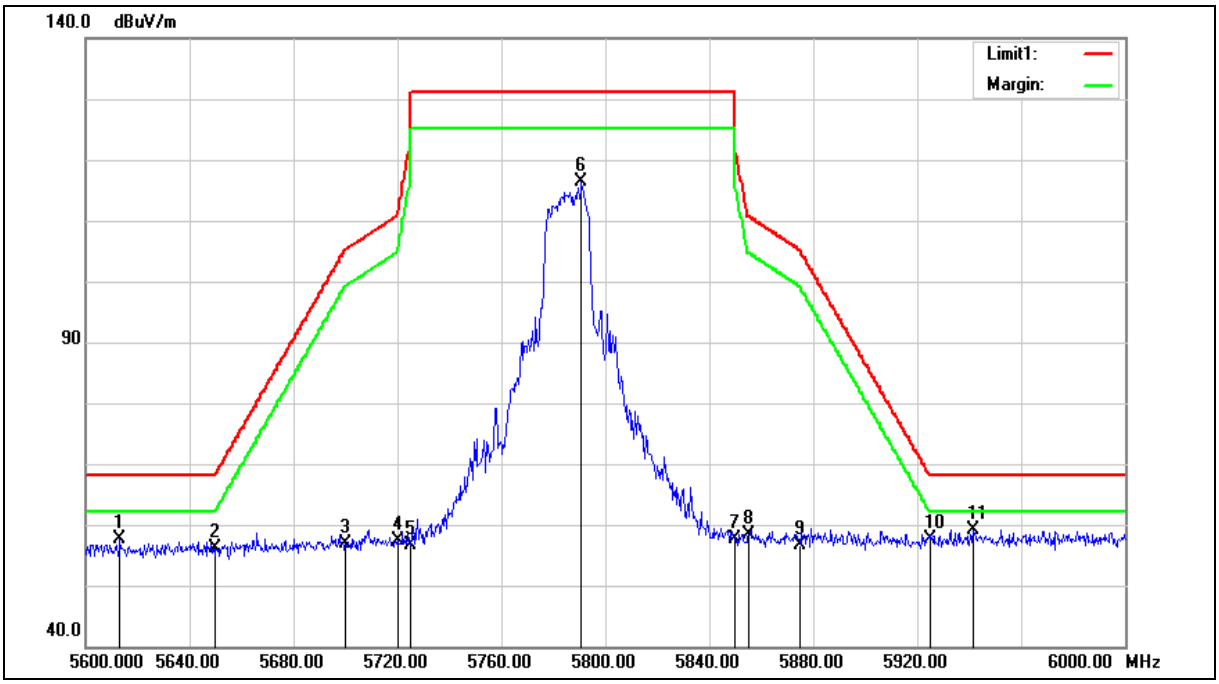
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5496.800	51.29	6.03	57.32	68.20	-10.88	peak
2	5650.000	48.95	6.31	55.26	68.20	-12.94	peak
3	5700.000	52.45	6.40	58.85	105.20	-46.35	peak
4	5720.000	68.95	6.44	75.39	110.80	-35.41	peak
5	5725.000	73.09	6.45	79.54	122.20	-42.66	peak
6	5751.200	107.78	6.49	114.27	--	--	peak
7	5850.000	49.51	6.67	56.18	122.20	-66.02	peak
8	5855.000	48.77	6.67	55.44	110.80	-55.36	peak
9	5875.000	47.92	6.72	54.64	105.20	-50.56	peak
10	5925.000	47.93	6.80	54.73	68.20	-13.47	peak
11	6107.200	50.47	7.26	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:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

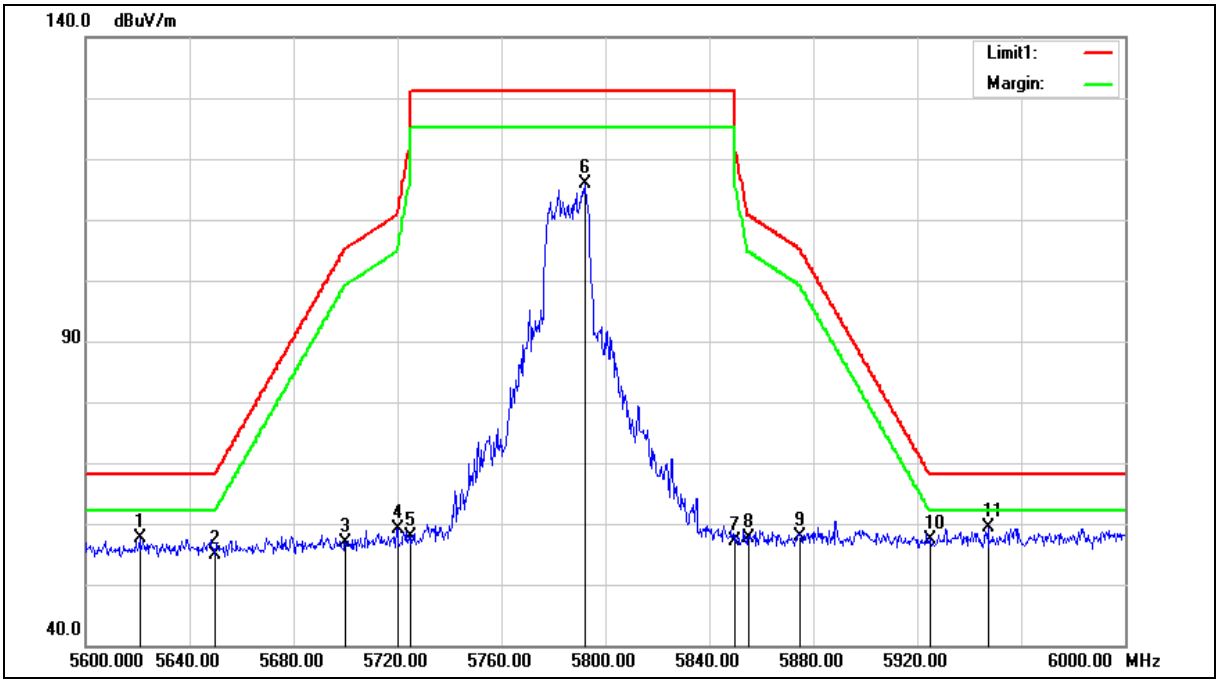
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5613.200	49.38	8.15	57.53	68.20	-10.67	peak
2	5650.000	47.92	8.24	56.16	68.20	-12.04	peak
3	5700.000	48.50	8.34	56.84	105.20	-48.36	peak
4	5720.000	48.97	8.38	57.35	110.80	-53.45	peak
5	5725.000	48.23	8.39	56.62	122.20	-65.58	peak
6	5790.800	107.80	8.51	116.31	--	--	peak
7	5850.000	49.12	8.63	57.75	122.20	-64.45	peak
8	5855.000	49.81	8.64	58.45	110.80	-52.35	peak
9	5875.000	47.84	8.69	56.53	105.20	-48.67	peak
10	5925.000	48.73	8.79	57.52	68.20	-10.68	peak
11	5941.600	50.39	8.82	59.21	68.20	-8.99	peak

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

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

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

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



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

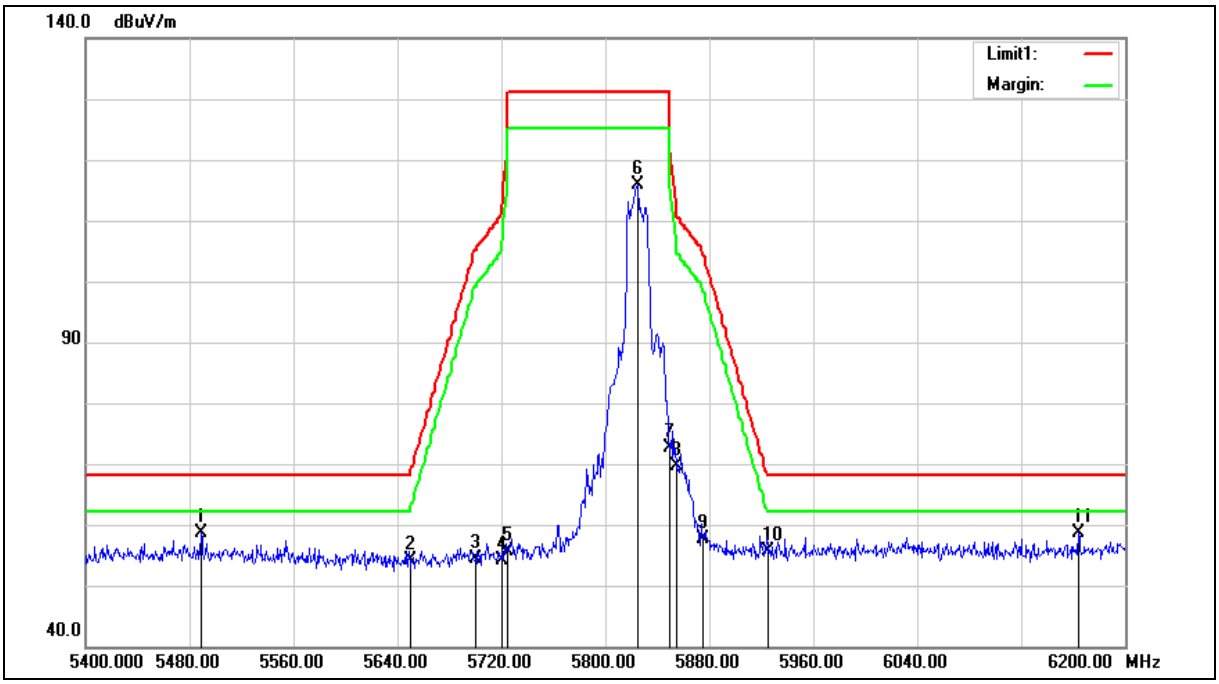
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.800	49.37	8.17	57.54	68.20	-10.66	peak
2	5650.000	46.72	8.24	54.96	68.20	-13.24	peak
3	5700.000	48.49	8.34	56.83	105.20	-48.37	peak
4	5720.000	50.63	8.38	59.01	110.80	-51.79	peak
5	5725.000	49.48	8.39	57.87	122.20	-64.33	peak
6	5792.000	107.34	8.52	115.86	--	--	peak
7	5850.000	48.53	8.63	57.16	122.20	-65.04	peak
8	5855.000	49.05	8.64	57.69	110.80	-53.11	peak
9	5875.000	49.24	8.69	57.93	105.20	-47.27	peak
10	5925.000	48.47	8.79	57.26	68.20	-10.94	peak
11	5947.200	50.50	8.84	59.34	68.20	-8.86	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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

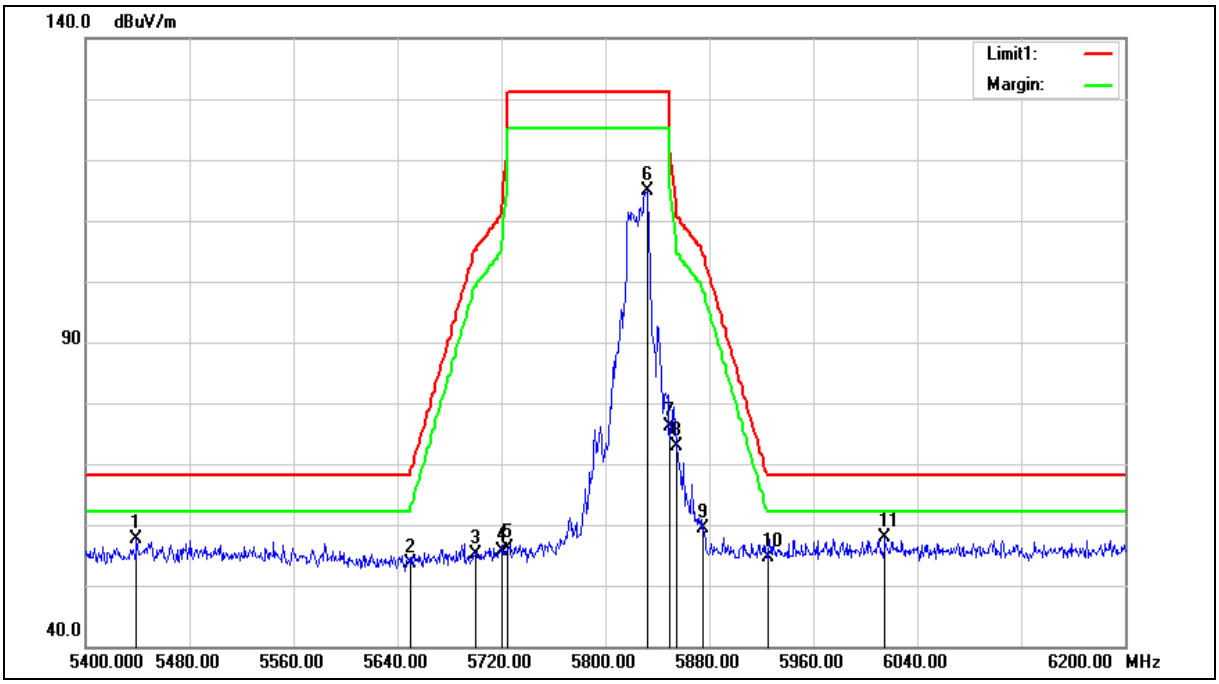
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5488.800	52.50	6.01	58.51	68.20	-9.69	peak
2	5650.000	47.75	6.31	54.06	68.20	-14.14	peak
3	5700.000	47.86	6.40	54.26	105.20	-50.94	peak
4	5720.000	47.74	6.44	54.18	110.80	-56.62	peak
5	5725.000	49.29	6.45	55.74	122.20	-66.46	peak
6	5824.800	109.23	6.62	115.85	--	--	peak
7	5850.000	66.02	6.67	72.69	122.20	-49.51	peak
8	5855.000	62.84	6.67	69.51	110.80	-41.29	peak
9	5875.000	50.86	6.72	57.58	105.20	-47.62	peak
10	5925.000	48.80	6.80	55.60	68.20	-12.60	peak
11	6164.000	51.18	7.41	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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



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

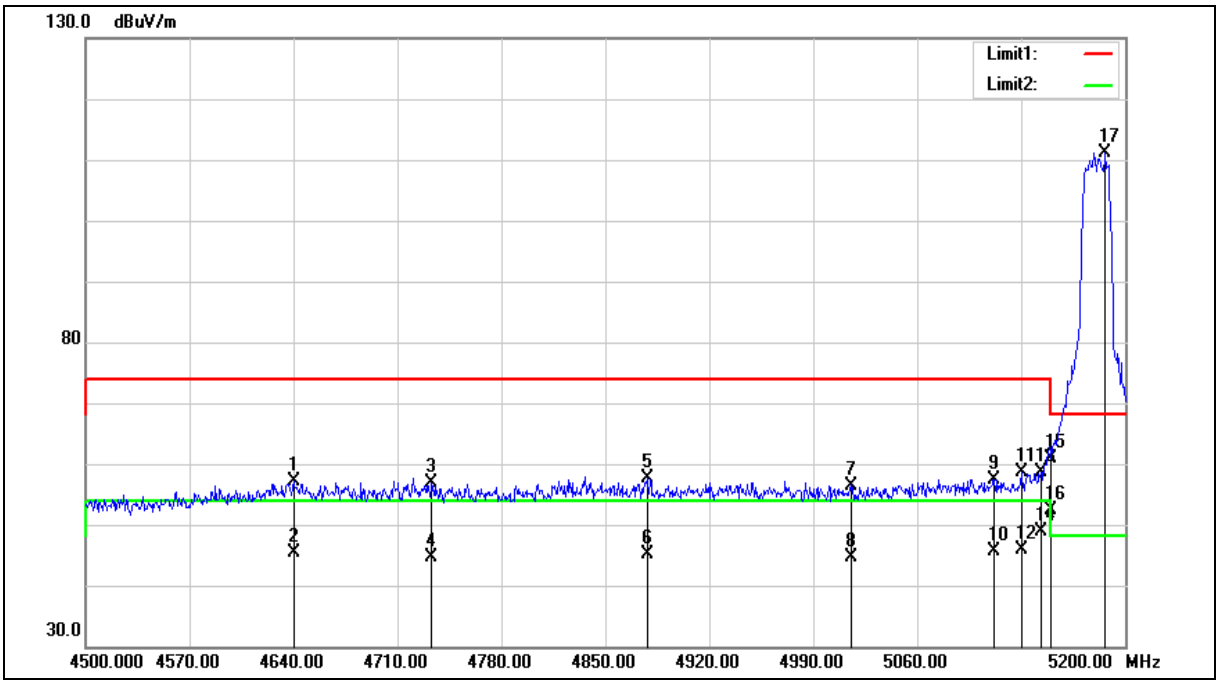
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5439.200	51.74	5.88	57.62	68.20	-10.58	peak
2	5650.000	47.26	6.31	53.57	68.20	-14.63	peak
3	5700.000	48.78	6.40	55.18	105.20	-50.02	peak
4	5720.000	49.27	6.44	55.71	110.80	-55.09	peak
5	5725.000	49.56	6.45	56.01	122.20	-66.19	peak
6	5832.000	108.22	6.64	114.86	--	--	peak
7	5850.000	69.46	6.67	76.13	122.20	-46.07	peak
8	5855.000	66.20	6.67	72.87	110.80	-37.93	peak
9	5875.000	52.65	6.72	59.37	105.20	-45.83	peak
10	5925.000	47.89	6.80	54.69	68.20	-13.51	peak
11	6015.200	50.87	6.99	57.86	68.20	-10.34	peak

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

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

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

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



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

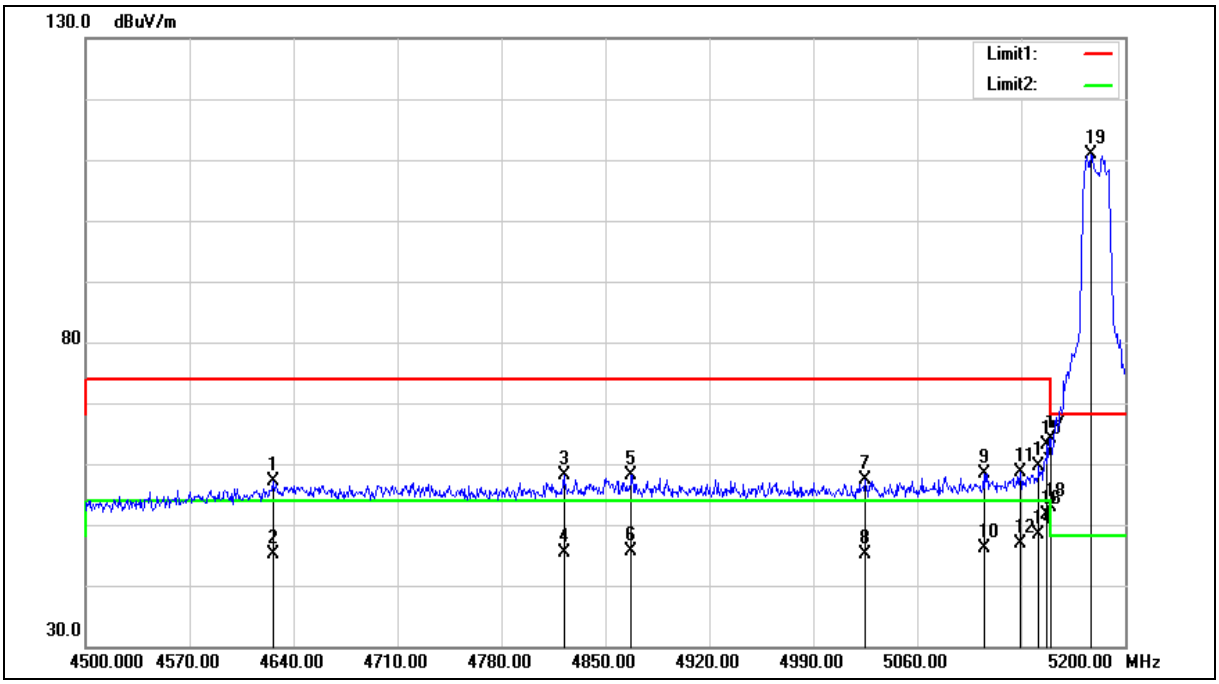
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4640.000	51.66	5.41	57.07	74.00	-16.93	peak
2	4640.000	39.90	5.41	45.31	54.00	-8.69	AVG
3	4733.100	51.15	5.69	56.84	74.00	-17.16	peak
4	4733.100	38.96	5.69	44.65	54.00	-9.35	AVG
5	4878.000	51.53	6.13	57.66	74.00	-16.34	peak
6	4878.000	38.98	6.13	45.11	54.00	-8.89	AVG
7	5015.900	49.94	6.56	56.50	74.00	-17.50	peak
8	5015.900	38.18	6.56	44.74	54.00	-9.26	AVG
9	5111.800	50.66	6.82	57.48	74.00	-16.52	peak
10	5111.800	38.77	6.82	45.59	54.00	-8.41	AVG
11	5130.000	51.65	6.88	58.53	74.00	-15.47	peak
12	5130.000	39.09	6.88	45.97	54.00	-8.03	AVG
13	5143.300	51.73	6.92	58.65	74.00	-15.35	peak
14	5143.300	41.89	6.92	48.81	54.00	-5.19	AVG
15	5150.000	53.94	6.94	60.88	74.00	-13.12	peak
16	5150.000	45.42	6.94	52.36	54.00	-1.64	AVG
17	5186.700	104.11	7.05	111.16	--	--	peak

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

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

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

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



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

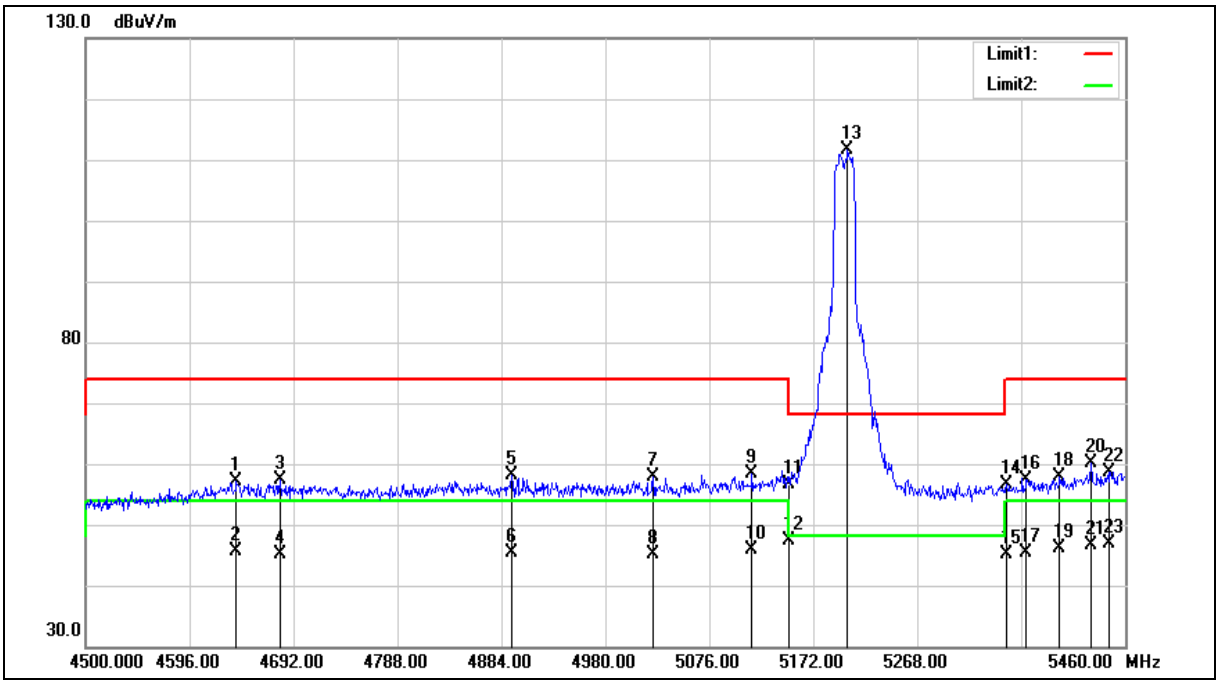
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4626.000	51.64	5.37	57.01	74.00	-16.99	peak
2	4626.000	39.69	5.37	45.06	54.00	-8.94	AVG
3	4822.000	52.18	5.97	58.15	74.00	-15.85	peak
4	4822.000	39.41	5.97	45.38	54.00	-8.62	AVG
5	4867.500	52.08	6.11	58.19	74.00	-15.81	peak
6	4867.500	39.47	6.11	45.58	54.00	-8.42	AVG
7	5025.000	50.79	6.57	57.36	74.00	-16.64	peak
8	5025.000	38.64	6.57	45.21	54.00	-8.79	AVG
9	5104.800	51.51	6.80	58.31	74.00	-15.69	peak
10	5104.800	39.23	6.80	46.03	54.00	-7.97	AVG
11	5129.300	51.85	6.88	58.73	74.00	-15.27	peak
12	5129.300	39.90	6.88	46.78	54.00	-7.22	AVG
13	5141.900	52.82	6.92	59.74	74.00	-14.26	peak
14	5141.900	41.56	6.92	48.48	54.00	-5.52	AVG
15	5147.500	56.15	6.94	63.09	74.00	-10.91	peak
16	5147.500	44.80	6.94	51.74	54.00	-2.26	AVG
17	5150.000	57.27	6.94	64.21	74.00	-9.79	peak
18	5150.000	45.96	6.94	52.90	54.00	-1.10	AVG
19	5176.900	103.92	7.02	110.94	--	--	peak

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

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

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

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



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

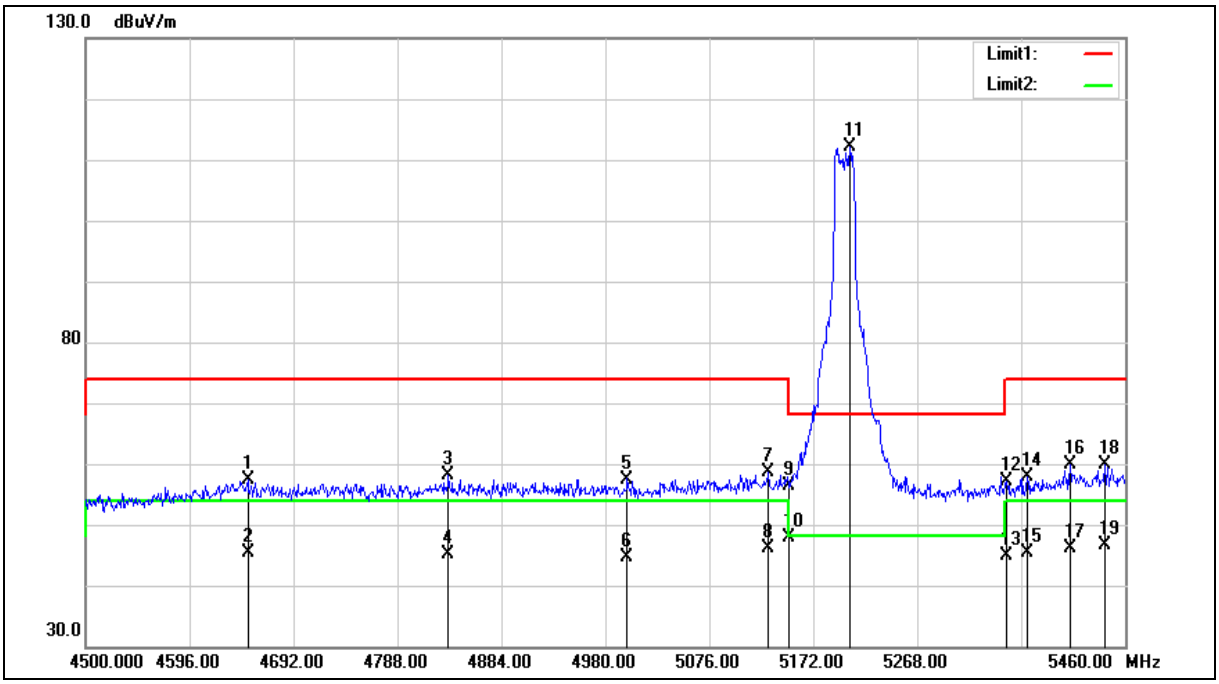
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4639.200	51.83	5.41	57.24	74.00	-16.76	peak
2	4639.200	40.12	5.41	45.53	54.00	-8.47	AVG
3	4679.520	51.73	5.53	57.26	74.00	-16.74	peak
4	4679.520	39.57	5.53	45.10	54.00	-8.90	AVG
5	4893.600	51.88	6.19	58.07	74.00	-15.93	peak
6	4893.600	39.13	6.19	45.32	54.00	-8.68	AVG
7	5024.160	51.33	6.57	57.90	74.00	-16.10	peak
8	5024.160	38.44	6.57	45.01	54.00	-8.99	AVG
9	5115.360	51.48	6.84	58.32	74.00	-15.68	peak
10	5115.360	39.06	6.84	45.90	54.00	-8.10	AVG
11	5150.000	49.63	6.94	56.57	74.00	-17.43	peak
12	5150.000	40.51	6.94	47.45	54.00	-6.55	AVG
13	5203.680	104.59	7.09	111.68	--	--	peak
14	5350.000	49.19	7.50	56.69	74.00	-17.31	peak
15	5350.000	37.52	7.50	45.02	54.00	-8.98	AVG
16	5368.800	49.72	7.55	57.27	74.00	-16.73	peak
17	5368.800	37.79	7.55	45.34	54.00	-8.66	AVG
18	5399.520	50.12	7.65	57.77	74.00	-16.23	peak
19	5399.520	38.55	7.65	46.20	54.00	-7.80	AVG
20	5428.320	52.29	7.73	60.02	74.00	-13.98	peak
21	5428.320	38.81	7.73	46.54	54.00	-7.46	AVG
22	5445.600	50.74	7.78	58.52	74.00	-15.48	peak
23	5445.600	39.12	7.78	46.90	54.00	-7.10	AVG

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

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

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

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



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

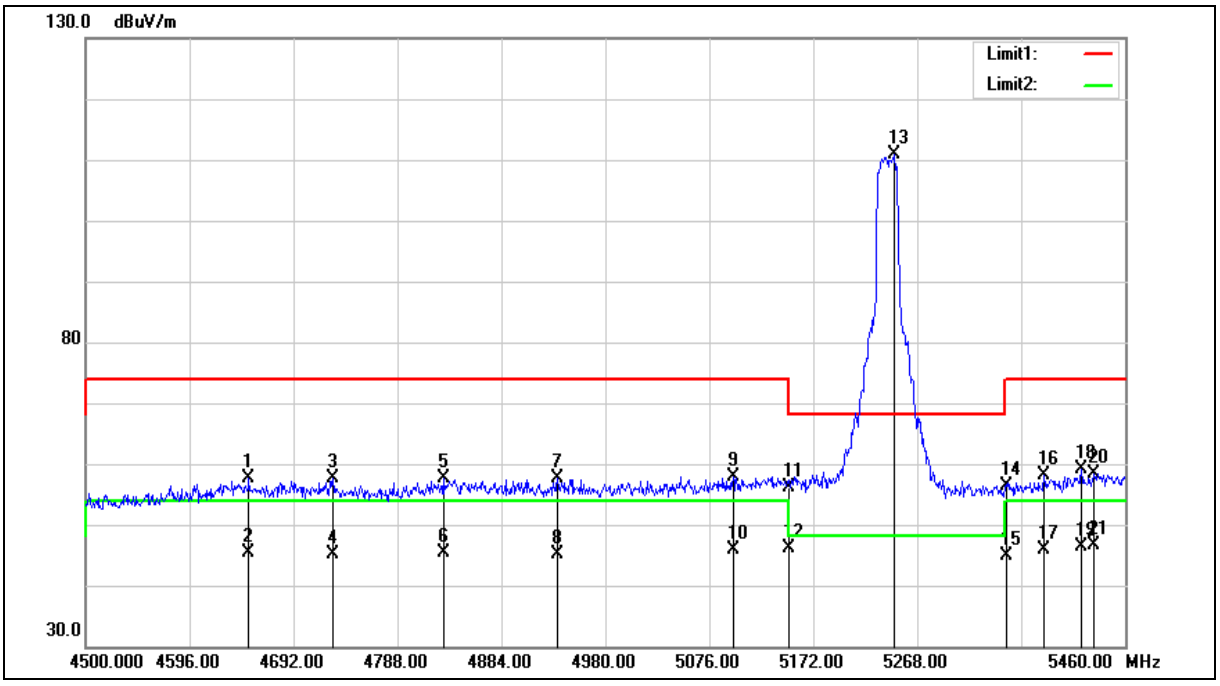
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4649.760	52.05	5.43	57.48	74.00	-16.52	peak
2	4649.760	39.87	5.43	45.30	54.00	-8.70	AVG
3	4835.040	52.12	6.00	58.12	74.00	-15.88	peak
4	4835.040	39.19	6.00	45.19	54.00	-8.81	AVG
5	5000.160	50.99	6.51	57.50	74.00	-16.50	peak
6	5000.160	38.21	6.51	44.72	54.00	-9.28	AVG
7	5130.720	51.62	6.89	58.51	74.00	-15.49	peak
8	5130.720	39.12	6.89	46.01	54.00	-7.99	AVG
9	5150.000	49.45	6.94	56.39	74.00	-17.61	peak
10	5150.000	40.93	6.94	47.87	54.00	-6.13	AVG
11	5205.600	105.03	7.10	112.13	--	--	peak
12	5350.000	49.51	7.50	57.01	74.00	-16.99	peak
13	5350.000	37.34	7.50	44.84	54.00	-9.16	AVG
14	5369.760	50.21	7.56	57.77	74.00	-16.23	peak
15	5369.760	37.81	7.56	45.37	54.00	-8.63	AVG
16	5409.120	52.29	7.68	59.97	74.00	-14.03	peak
17	5409.120	38.56	7.68	46.24	54.00	-7.76	AVG
18	5441.760	52.05	7.77	59.82	74.00	-14.18	peak
19	5441.760	38.95	7.77	46.72	54.00	-7.28	AVG

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

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

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

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



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

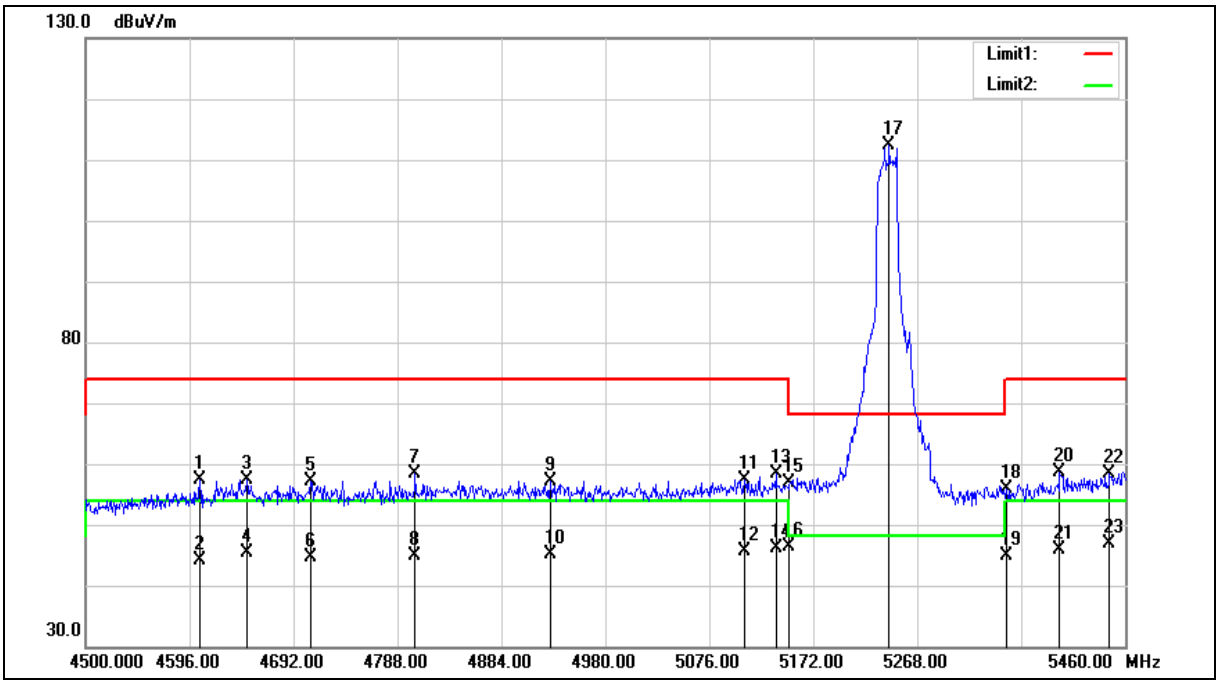
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.720	52.21	5.44	57.65	74.00	-16.35	peak
2	4650.720	39.89	5.44	45.33	54.00	-8.67	AVG
3	4728.480	51.84	5.68	57.52	74.00	-16.48	peak
4	4728.480	39.36	5.68	45.04	54.00	-8.96	AVG
5	4830.240	51.70	5.99	57.69	74.00	-16.31	peak
6	4830.240	39.38	5.99	45.37	54.00	-8.63	AVG
7	4935.840	51.30	6.32	57.62	74.00	-16.38	peak
8	4935.840	38.92	6.32	45.24	54.00	-8.76	AVG
9	5098.080	51.11	6.79	57.90	74.00	-16.10	peak
10	5098.080	39.10	6.79	45.89	54.00	-8.11	AVG
11	5150.000	49.28	6.94	56.22	74.00	-17.78	peak
12	5150.000	39.28	6.94	46.22	54.00	-7.78	AVG
13	5246.880	103.71	7.21	110.92	--	--	peak
14	5350.000	48.85	7.50	56.35	74.00	-17.65	peak
15	5350.000	37.46	7.50	44.96	54.00	-9.04	AVG
16	5385.120	50.40	7.61	58.01	74.00	-15.99	peak
17	5385.120	38.15	7.61	45.76	54.00	-8.24	AVG
18	5419.680	51.42	7.71	59.13	74.00	-14.87	peak
19	5419.680	38.72	7.71	46.43	54.00	-7.57	AVG
20	5431.200	50.70	7.74	58.44	74.00	-15.56	peak
21	5431.200	38.88	7.74	46.62	54.00	-7.38	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:	3m
Test item:	Band edge		
Frequency:	5240MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



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

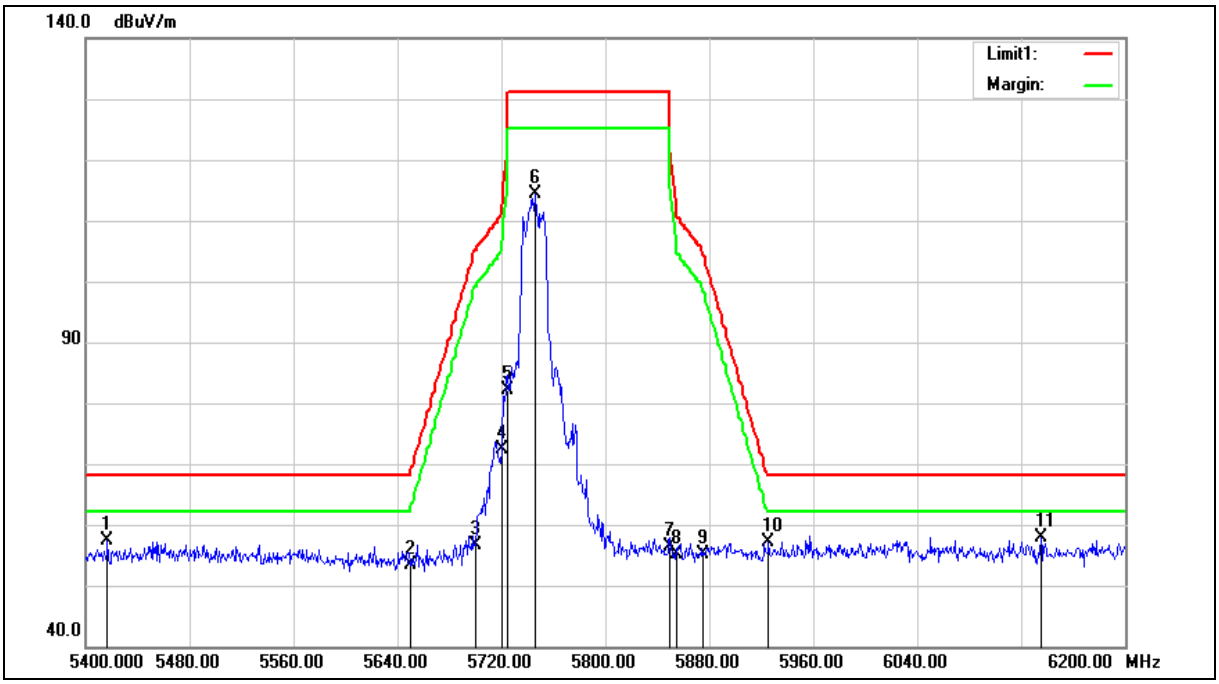
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4605.600	51.96	5.30	57.26	74.00	-16.74	peak
2	4605.600	38.88	5.30	44.18	54.00	-9.82	AVG
3	4648.800	51.95	5.43	57.38	74.00	-16.62	peak
4	4648.800	39.86	5.43	45.29	54.00	-8.71	AVG
5	4708.320	51.60	5.62	57.22	74.00	-16.78	peak
6	4708.320	38.92	5.62	44.54	54.00	-9.46	AVG
7	4804.320	52.53	5.91	58.44	74.00	-15.56	peak
8	4804.320	38.99	5.91	44.90	54.00	-9.10	AVG
9	4929.120	50.78	6.29	57.07	74.00	-16.93	peak
10	4929.120	38.75	6.29	45.04	54.00	-8.96	AVG
11	5108.640	50.60	6.82	57.42	74.00	-16.58	peak
12	5108.640	38.91	6.82	45.73	54.00	-8.27	AVG
13	5137.440	51.58	6.91	58.49	74.00	-15.51	peak
14	5137.440	39.22	6.91	46.13	54.00	-7.87	AVG
15	5150.000	49.98	6.94	56.92	74.00	-17.08	peak
16	5150.000	39.38	6.94	46.32	54.00	-7.68	AVG
17	5242.080	105.15	7.20	112.35	--	--	peak
18	5350.000	48.27	7.50	55.77	74.00	-18.23	peak
19	5350.000	37.39	7.50	44.89	54.00	-9.11	AVG
20	5399.520	50.99	7.65	58.64	74.00	-15.36	peak
21	5399.520	38.35	7.65	46.00	54.00	-8.00	AVG
22	5445.600	50.61	7.78	58.39	74.00	-15.61	peak
23	5445.600	39.07	7.78	46.85	54.00	-7.15	AVG

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

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

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

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



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

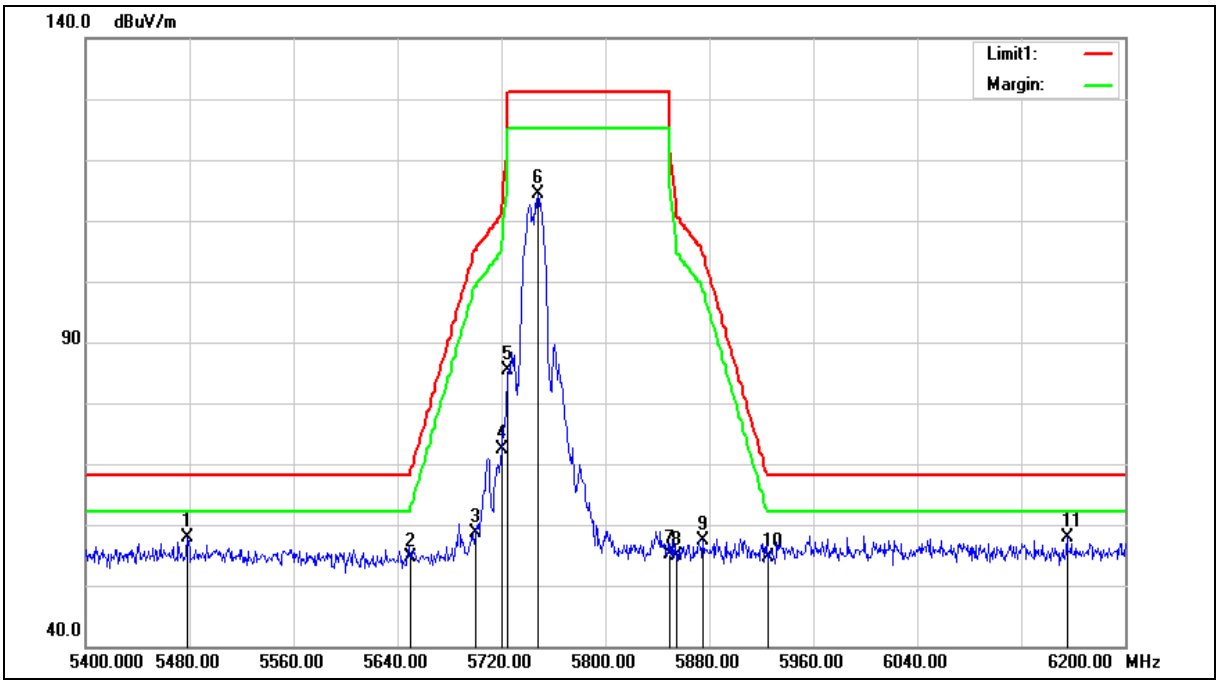
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5416.800	51.59	5.82	57.41	68.20	-10.79	peak
2	5650.000	47.10	6.31	53.41	68.20	-14.79	peak
3	5700.000	50.24	6.40	56.64	105.20	-48.56	peak
4	5720.000	65.90	6.44	72.34	110.80	-38.46	peak
5	5725.000	75.56	6.45	82.01	122.20	-40.19	peak
6	5745.600	107.92	6.48	114.40	--	--	peak
7	5850.000	49.61	6.67	56.28	122.20	-65.92	peak
8	5855.000	48.41	6.67	55.08	110.80	-55.72	peak
9	5875.000	48.37	6.72	55.09	105.20	-50.11	peak
10	5925.000	50.39	6.80	57.19	68.20	-11.01	peak
11	6135.200	50.63	7.33	57.96	68.20	-10.24	peak

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

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

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

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



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

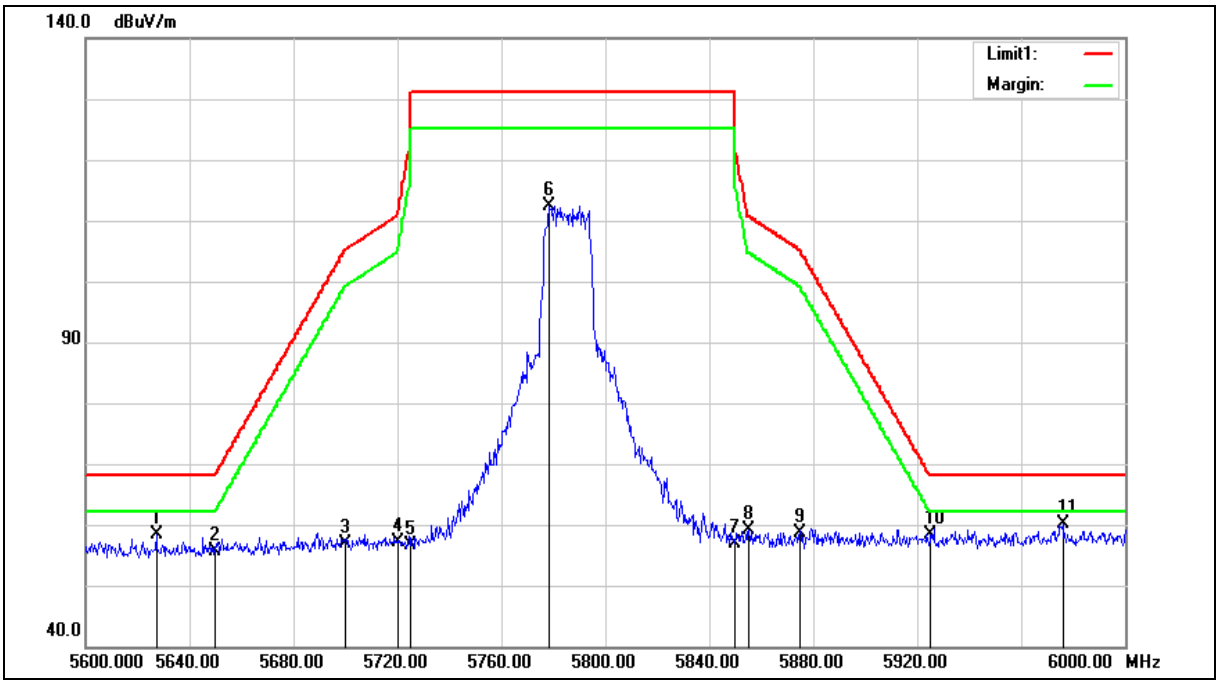
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5478.400	52.00	5.98	57.98	68.20	-10.22	peak
2	5650.000	48.40	6.31	54.71	68.20	-13.49	peak
3	5700.000	52.17	6.40	58.57	105.20	-46.63	peak
4	5720.000	65.84	6.44	72.28	110.80	-38.52	peak
5	5725.000	78.96	6.45	85.41	122.20	-36.79	peak
6	5748.000	107.91	6.48	114.39	--	--	peak
7	5850.000	48.42	6.67	55.09	122.20	-67.11	peak
8	5855.000	48.11	6.67	54.78	110.80	-56.02	peak
9	5875.000	50.75	6.72	57.47	105.20	-47.73	peak
10	5925.000	47.89	6.80	54.69	68.20	-13.51	peak
11	6155.200	50.60	7.40	58.00	68.20	-10.20	peak

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

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

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

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



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

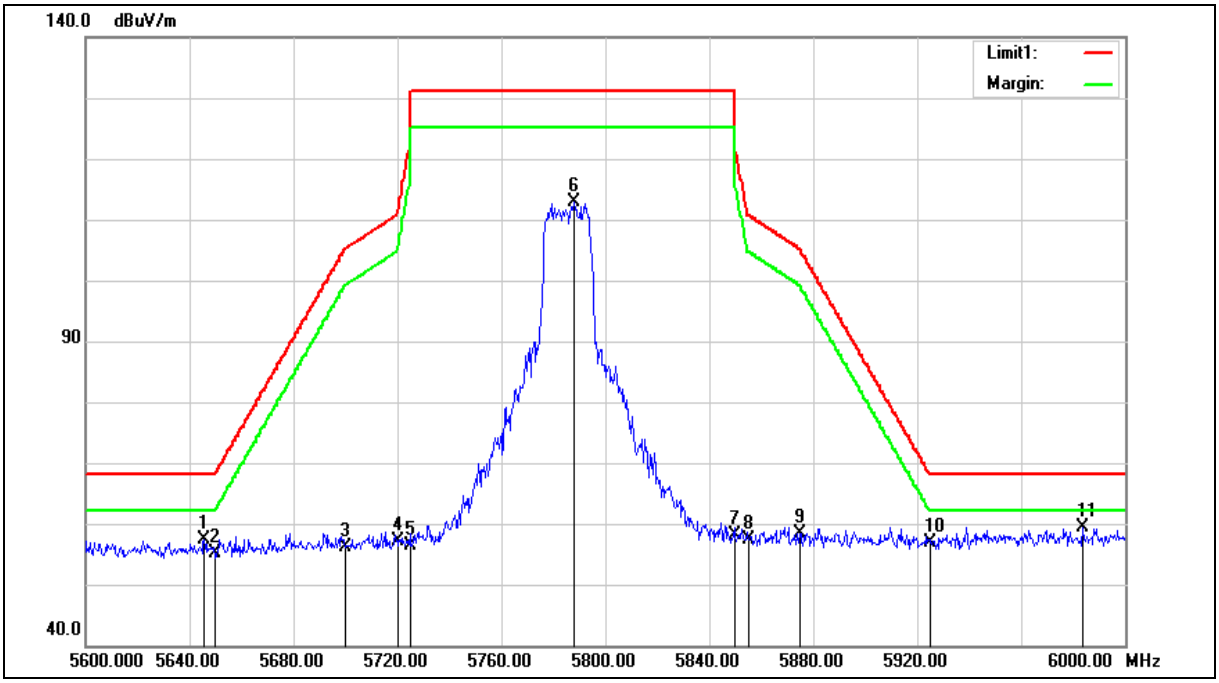
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5627.200	50.15	8.19	58.34	68.20	-9.86	peak
2	5650.000	47.34	8.24	55.58	68.20	-12.62	peak
3	5700.000	48.51	8.34	56.85	105.20	-48.35	peak
4	5720.000	48.67	8.38	57.05	110.80	-53.75	peak
5	5725.000	48.36	8.39	56.75	122.20	-65.45	peak
6	5778.400	103.89	8.49	112.38	--	--	peak
7	5850.000	48.35	8.63	56.98	122.20	-65.22	peak
8	5855.000	50.40	8.64	59.04	110.80	-51.76	peak
9	5875.000	49.89	8.69	58.58	105.20	-46.62	peak
10	5925.000	49.51	8.79	58.30	68.20	-9.90	peak
11	5976.000	51.16	8.90	60.06	68.20	-8.14	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:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



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

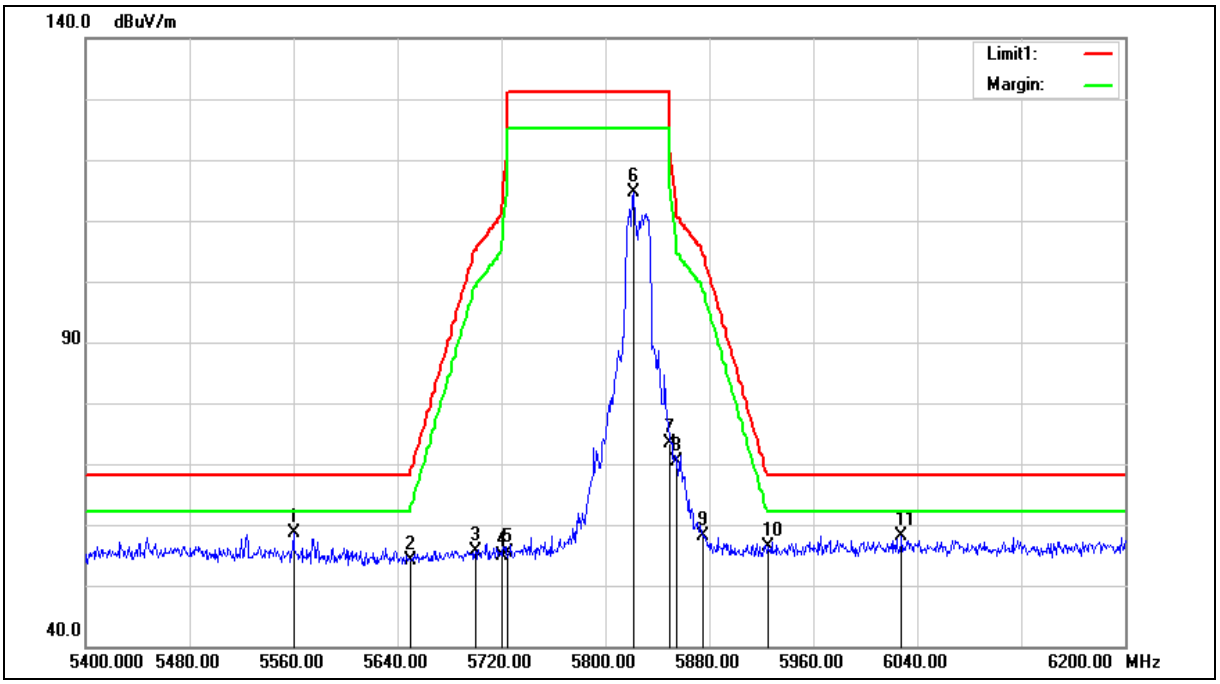
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.600	49.18	8.23	57.41	68.20	-10.79	peak
2	5650.000	46.83	8.24	55.07	68.20	-13.13	peak
3	5700.000	47.83	8.34	56.17	105.20	-49.03	peak
4	5720.000	48.81	8.38	57.19	110.80	-53.61	peak
5	5725.000	48.04	8.39	56.43	122.20	-65.77	peak
6	5788.000	104.35	8.51	112.86	--	--	peak
7	5850.000	49.52	8.63	58.15	122.20	-64.05	peak
8	5855.000	48.76	8.64	57.40	110.80	-53.40	peak
9	5875.000	49.60	8.69	58.29	105.20	-46.91	peak
10	5925.000	48.08	8.79	56.87	68.20	-11.33	peak
11	5983.600	50.41	8.90	59.31	68.20	-8.89	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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



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

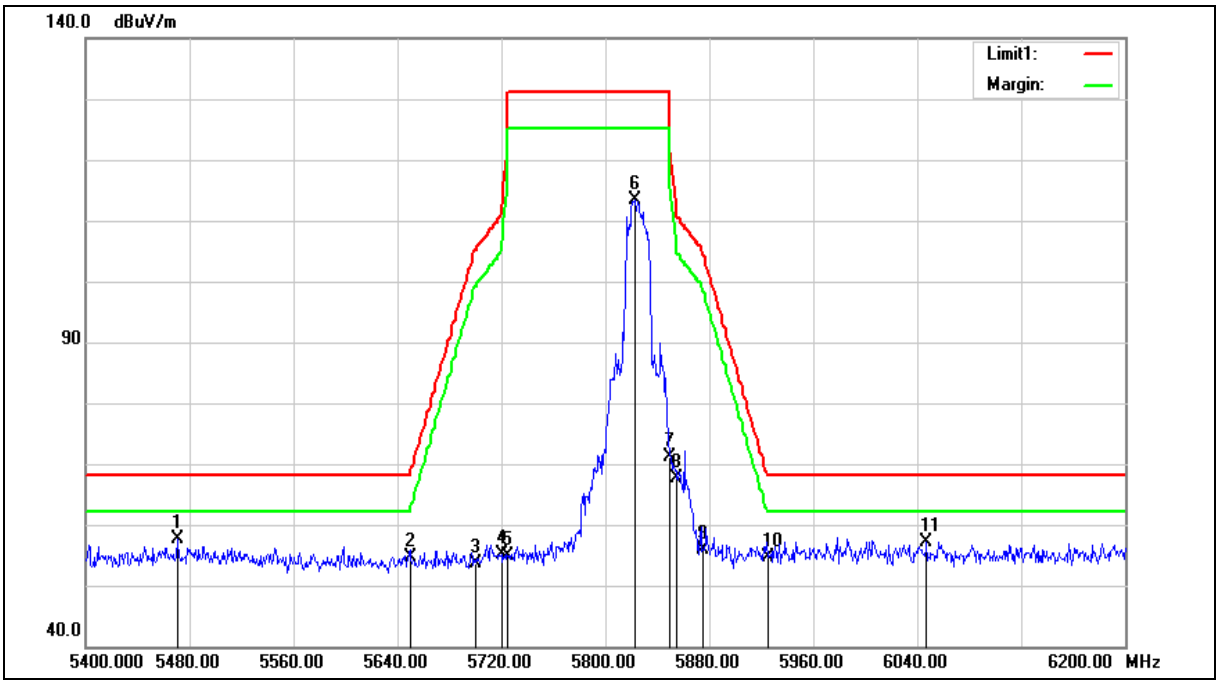
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5560.000	52.41	6.14	58.55	68.20	-9.65	peak
2	5650.000	47.85	6.31	54.16	68.20	-14.04	peak
3	5700.000	49.18	6.40	55.58	105.20	-49.62	peak
4	5720.000	48.38	6.44	54.82	110.80	-55.98	peak
5	5725.000	48.94	6.45	55.39	122.20	-66.81	peak
6	5821.600	107.91	6.62	114.53	--	--	peak
7	5850.000	66.63	6.67	73.30	122.20	-48.90	peak
8	5855.000	63.73	6.67	70.40	110.80	-40.40	peak
9	5875.000	51.29	6.72	58.01	105.20	-47.19	peak
10	5925.000	49.47	6.80	56.27	68.20	-11.93	peak
11	6028.000	51.03	7.02	58.05	68.20	-10.15	peak

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

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

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

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



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

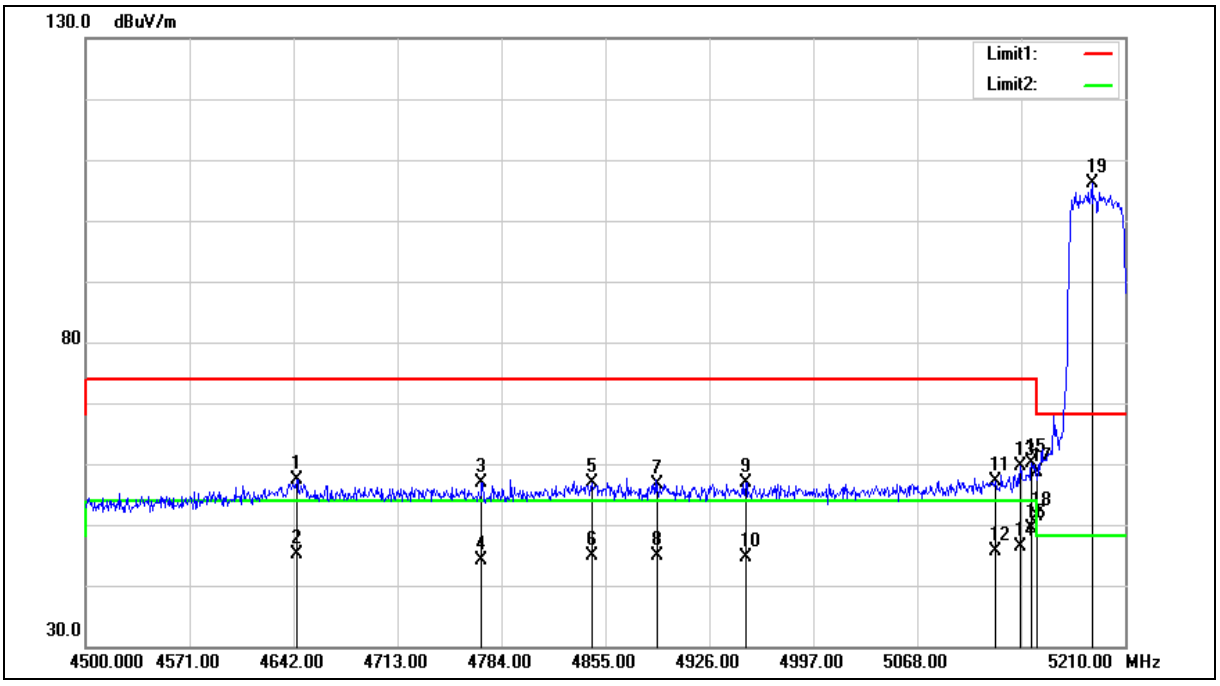
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.400	51.77	5.96	57.73	68.20	-10.47	peak
2	5650.000	48.39	6.31	54.70	68.20	-13.50	peak
3	5700.000	47.35	6.40	53.75	105.20	-51.45	peak
4	5720.000	48.60	6.44	55.04	110.80	-55.76	peak
5	5725.000	48.55	6.45	55.00	122.20	-67.20	peak
6	5823.200	106.88	6.62	113.50	--	--	peak
7	5850.000	64.50	6.67	71.17	122.20	-51.03	peak
8	5855.000	60.87	6.67	67.54	110.80	-43.26	peak
9	5875.000	49.11	6.72	55.83	105.20	-49.37	peak
10	5925.000	47.87	6.80	54.67	68.20	-13.53	peak
11	6047.200	50.13	7.08	57.21	68.20	-10.99	peak

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

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

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

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



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

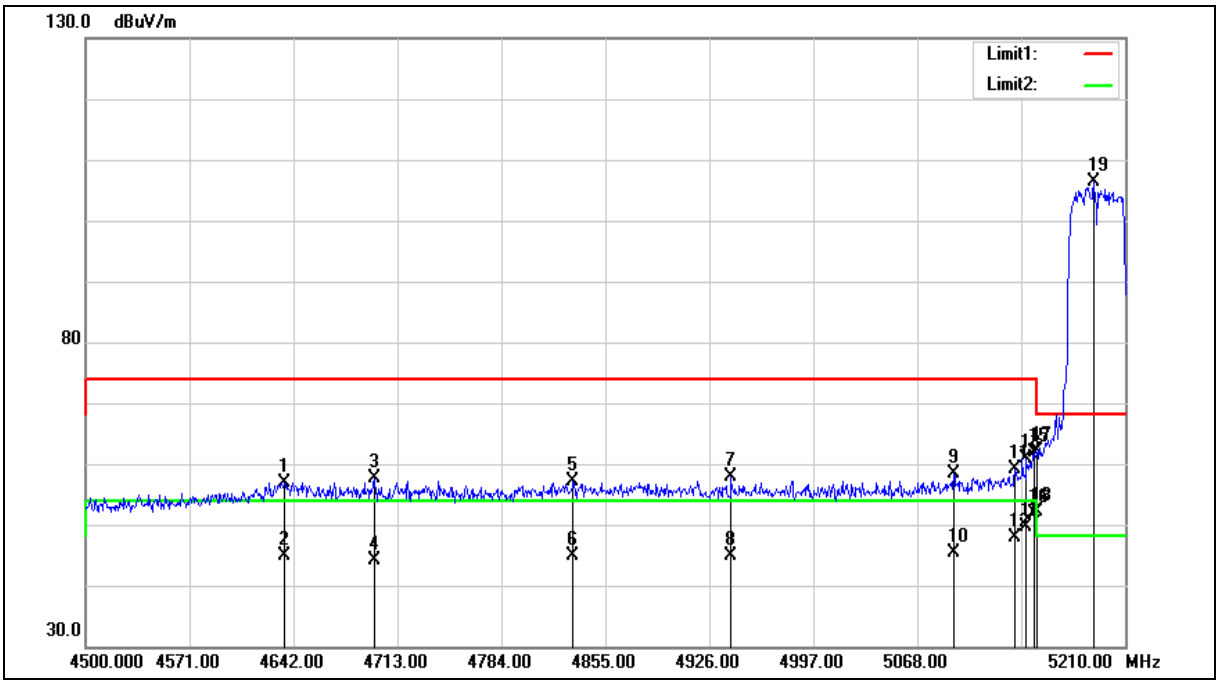
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4644.130	51.89	5.42	57.31	74.00	-16.69	peak
2	4644.130	39.66	5.42	45.08	54.00	-8.92	AVG
3	4770.510	51.14	5.81	56.95	74.00	-17.05	peak
4	4770.510	38.25	5.81	44.06	54.00	-9.94	AVG
5	4845.770	50.77	6.04	56.81	74.00	-17.19	peak
6	4845.770	38.79	6.04	44.83	54.00	-9.17	AVG
7	4890.500	50.51	6.17	56.68	74.00	-17.32	peak
8	4890.500	38.63	6.17	44.80	54.00	-9.20	AVG
9	4950.850	50.63	6.36	56.99	74.00	-17.01	peak
10	4950.850	38.33	6.36	44.69	54.00	-9.31	AVG
11	5121.250	50.36	6.85	57.21	74.00	-16.79	peak
12	5121.250	38.87	6.85	45.72	54.00	-8.28	AVG
13	5138.290	52.67	6.91	59.58	74.00	-14.42	peak
14	5138.290	39.53	6.91	46.44	54.00	-7.56	AVG
15	5146.100	53.28	6.93	60.21	74.00	-13.79	peak
16	5146.100	42.36	6.93	49.29	54.00	-4.71	AVG
17	5150.000	51.73	6.94	58.67	74.00	-15.33	peak
18	5150.000	44.47	6.94	51.41	54.00	-2.59	AVG
19	5187.280	98.97	7.05	106.02	--	--	peak

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

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

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

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



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

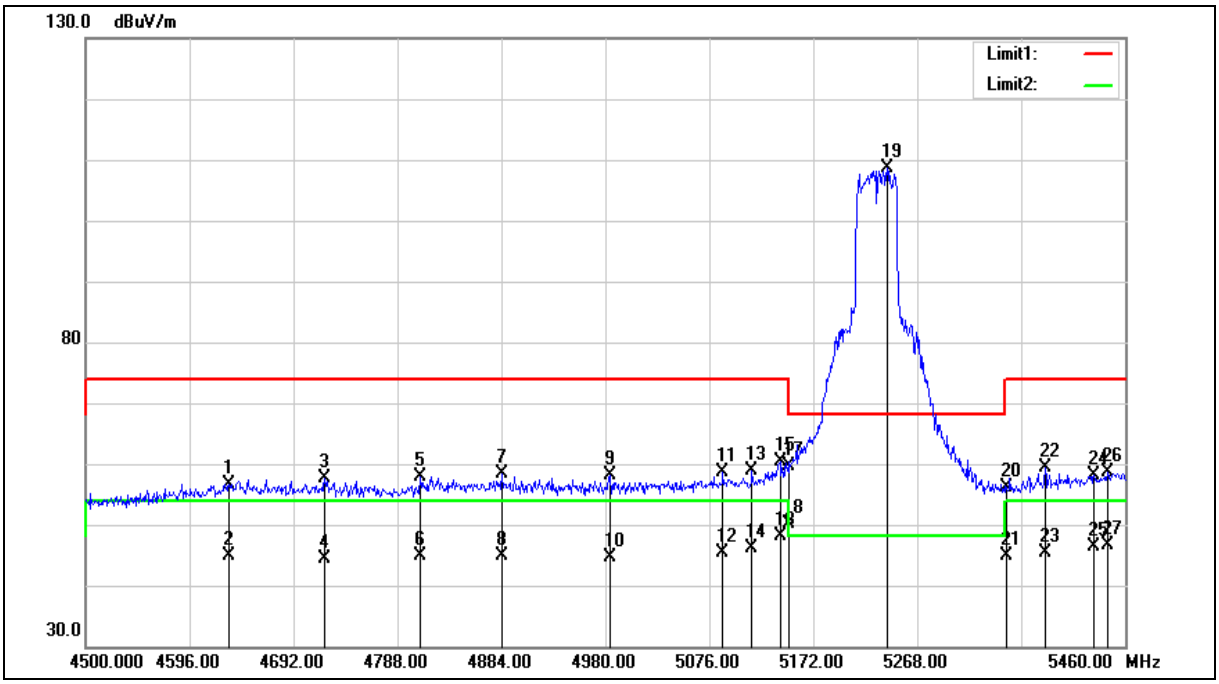
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.610	51.59	5.39	56.98	74.00	-17.02	peak
2	4635.610	39.54	5.39	44.93	54.00	-9.07	AVG
3	4697.380	52.00	5.58	57.58	74.00	-16.42	peak
4	4697.380	38.62	5.58	44.20	54.00	-9.80	AVG
5	4832.990	51.22	5.99	57.21	74.00	-16.79	peak
6	4832.990	38.93	5.99	44.92	54.00	-9.08	AVG
7	4940.910	51.44	6.33	57.77	74.00	-16.23	peak
8	4940.910	38.56	6.33	44.89	54.00	-9.11	AVG
9	5092.850	51.53	6.77	58.30	74.00	-15.70	peak
10	5092.850	38.61	6.77	45.38	54.00	-8.62	AVG
11	5134.740	52.20	6.89	59.09	74.00	-14.91	peak
12	5134.740	40.96	6.89	47.85	54.00	-6.15	AVG
13	5142.550	53.93	6.92	60.85	74.00	-13.15	peak
14	5142.550	42.63	6.92	49.55	54.00	-4.45	AVG
15	5148.230	54.82	6.94	61.76	74.00	-12.24	peak
16	5148.230	44.82	6.94	51.76	54.00	-2.24	AVG
17	5150.000	55.26	6.94	62.20	74.00	-11.80	peak
18	5150.000	45.12	6.94	52.06	54.00	-1.94	AVG
19	5188.700	99.23	7.05	106.28	--	--	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4632.480	51.32	5.38	56.70	74.00	-17.30	peak
2	4632.480	39.50	5.38	44.88	54.00	-9.12	AVG
3	4720.800	51.98	5.66	57.64	74.00	-16.36	peak
4	4720.800	38.79	5.66	44.45	54.00	-9.55	AVG
5	4809.120	51.98	5.93	57.91	74.00	-16.09	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:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

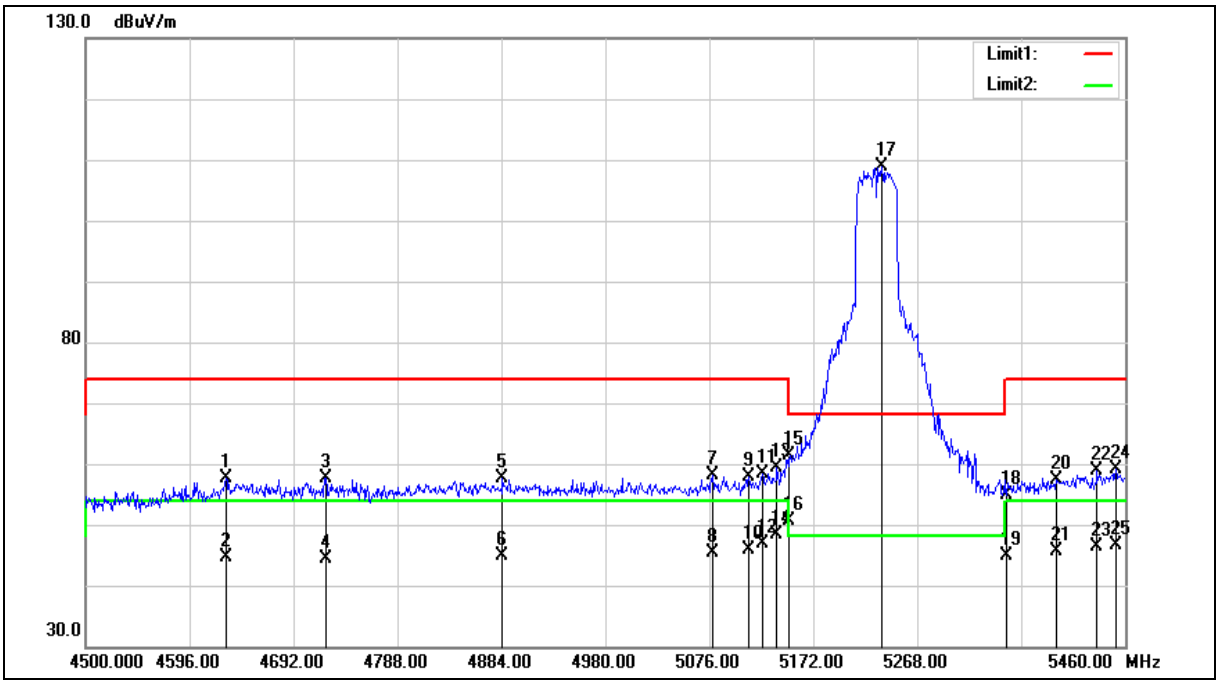
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4809.120	38.88	5.93	44.81	54.00	-9.19	AVG
7	4884.000	52.23	6.15	58.38	74.00	-15.62	peak
8	4884.000	38.83	6.15	44.98	54.00	-9.02	AVG
9	4984.800	51.78	6.47	58.25	74.00	-15.75	peak
10	4984.800	38.25	6.47	44.72	54.00	-9.28	AVG
11	5088.480	51.80	6.76	58.56	74.00	-15.44	peak
12	5088.480	38.65	6.76	45.41	54.00	-8.59	AVG
13	5115.360	52.01	6.84	58.85	74.00	-15.15	peak
14	5115.360	39.17	6.84	46.01	54.00	-7.99	AVG
15	5141.280	53.58	6.91	60.49	74.00	-13.51	peak
16	5141.280	41.20	6.91	48.11	54.00	-5.89	AVG
17	5150.000	52.69	6.94	59.63	74.00	-14.37	peak
18	5150.000	43.14	6.94	50.08	54.00	-3.92	AVG
19	5240.160	101.51	7.19	108.70	--	--	peak
20	5350.000	48.58	7.50	56.08	74.00	-17.92	peak
21	5350.000	37.34	7.50	44.84	54.00	-9.16	AVG
22	5386.080	51.80	7.61	59.41	74.00	-14.59	peak
23	5386.080	37.84	7.61	45.45	54.00	-8.55	AVG
24	5431.200	50.46	7.74	58.20	74.00	-15.80	peak
25	5431.200	38.65	7.74	46.39	54.00	-7.61	AVG
26	5443.680	50.79	7.77	58.56	74.00	-15.44	peak
27	5443.680	38.81	7.77	46.58	54.00	-7.42	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4629.600	52.23	5.38	57.61	74.00	-16.39	peak
2	4629.600	39.30	5.38	44.68	54.00	-9.32	AVG
3	4721.760	51.92	5.67	57.59	74.00	-16.41	peak
4	4721.760	38.79	5.67	44.46	54.00	-9.54	AVG
5	4884.960	51.40	6.16	57.56	74.00	-16.44	peak

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

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

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

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

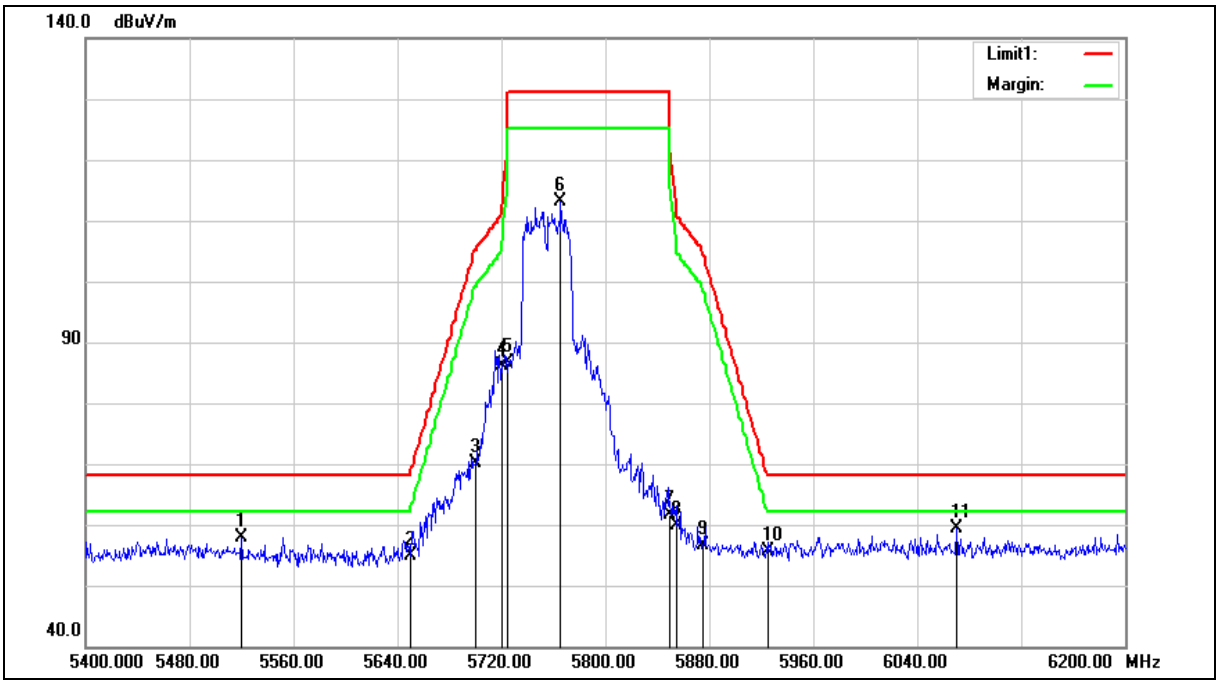
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4884.960	38.82	6.16	44.98	54.00	-9.02	AVG
7	5078.880	51.30	6.73	58.03	74.00	-15.97	peak
8	5078.880	38.66	6.73	45.39	54.00	-8.61	AVG
9	5112.480	50.95	6.82	57.77	74.00	-16.23	peak
10	5112.480	39.18	6.82	46.00	54.00	-8.00	AVG
11	5124.960	51.46	6.85	58.31	74.00	-15.69	peak
12	5124.960	39.91	6.85	46.76	54.00	-7.24	AVG
13	5138.400	52.41	6.91	59.32	74.00	-14.68	peak
14	5138.400	41.47	6.91	48.38	54.00	-5.62	AVG
15	5150.000	54.39	6.94	61.33	74.00	-12.67	peak
16	5150.000	43.64	6.94	50.58	54.00	-3.42	AVG
17	5235.360	101.75	7.18	108.93	--	--	peak
18	5350.000	47.39	7.50	54.89	74.00	-19.11	peak
19	5350.000	37.45	7.50	44.95	54.00	-9.05	AVG
20	5396.640	49.70	7.64	57.34	74.00	-16.66	peak
21	5396.640	38.07	7.64	45.71	54.00	-8.29	AVG
22	5434.080	51.19	7.74	58.93	74.00	-15.07	peak
23	5434.080	38.61	7.74	46.35	54.00	-7.65	AVG
24	5451.360	51.26	7.79	59.05	74.00	-14.95	peak
25	5451.360	38.73	7.79	46.52	54.00	-7.48	AVG

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

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

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

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



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

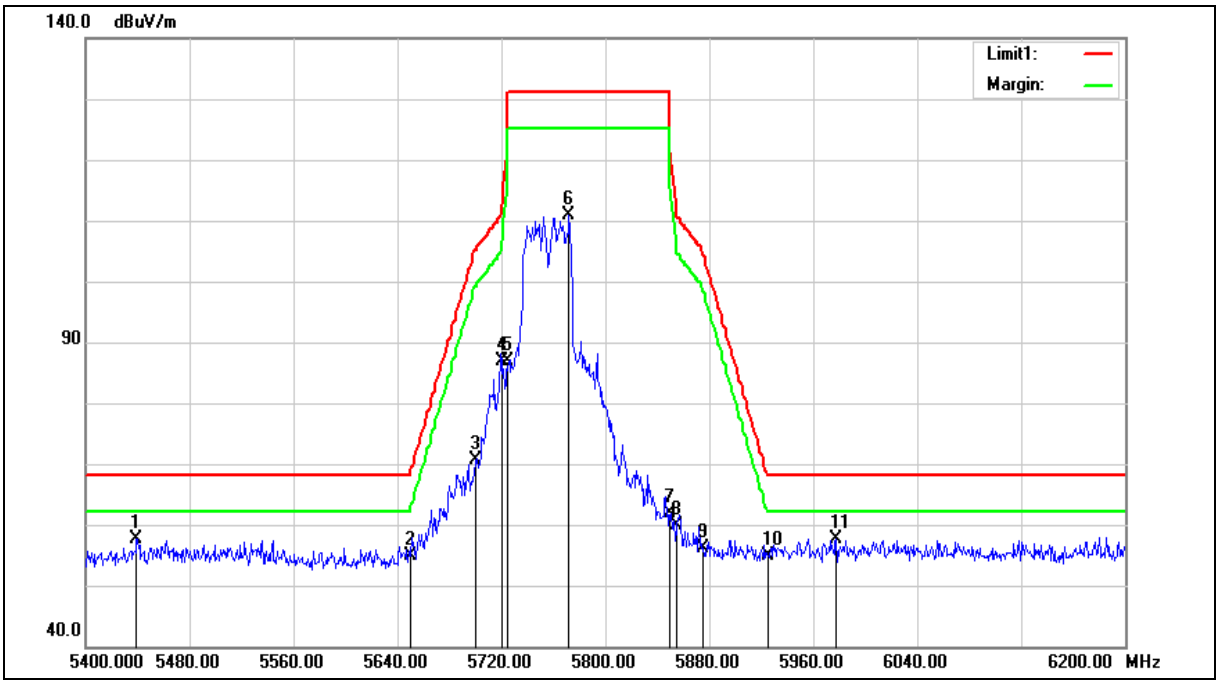
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5520.000	51.86	6.07	57.93	68.20	-10.27	peak
2	5650.000	48.67	6.31	54.98	68.20	-13.22	peak
3	5700.000	63.73	6.40	70.13	105.20	-35.07	peak
4	5720.000	79.69	6.44	86.13	110.80	-24.67	peak
5	5725.000	80.27	6.45	86.72	122.20	-35.48	peak
6	5765.600	106.56	6.52	113.08	--	--	peak
7	5850.000	55.00	6.67	61.67	122.20	-60.53	peak
8	5855.000	53.23	6.67	59.90	110.80	-50.90	peak
9	5875.000	49.95	6.72	56.67	105.20	-48.53	peak
10	5925.000	48.88	6.80	55.68	68.20	-12.52	peak
11	6070.400	52.16	7.15	59.31	68.20	-8.89	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:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



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

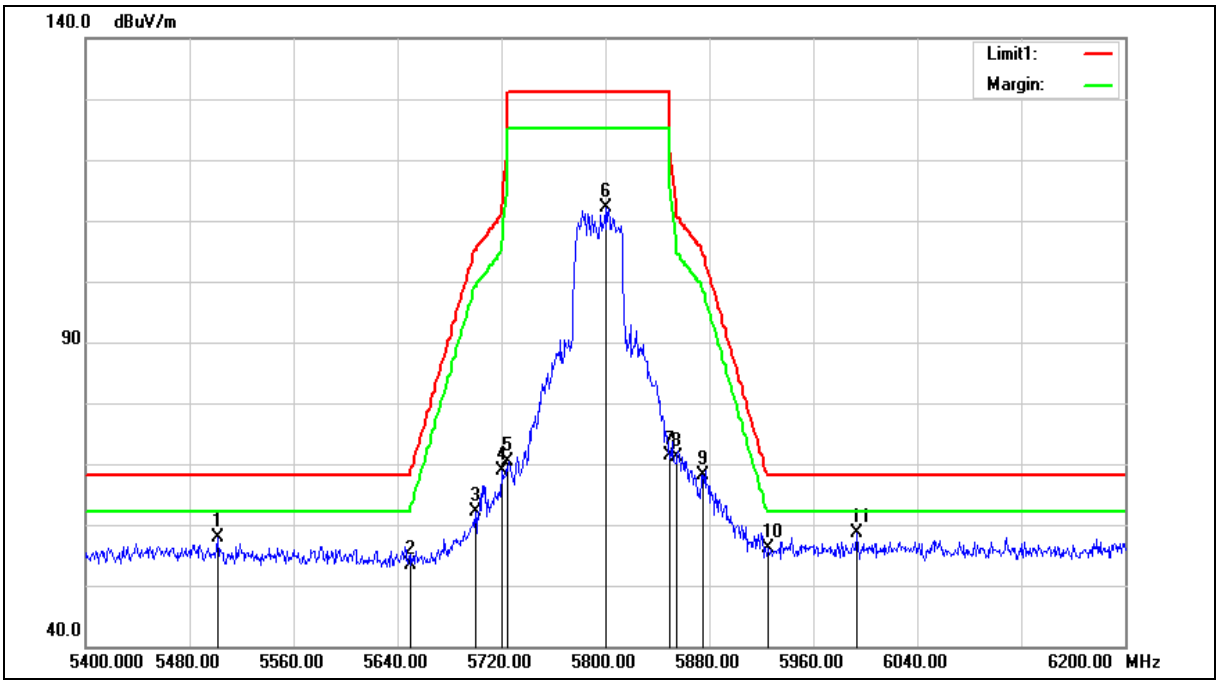
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5439.200	51.86	5.88	57.74	68.20	-10.46	peak
2	5650.000	48.48	6.31	54.79	68.20	-13.41	peak
3	5700.000	64.32	6.40	70.72	105.20	-34.48	peak
4	5720.000	80.36	6.44	86.80	110.80	-24.00	peak
5	5725.000	80.35	6.45	86.80	122.20	-35.40	peak
6	5772.000	104.28	6.53	110.81	--	--	peak
7	5850.000	55.25	6.67	61.92	122.20	-60.28	peak
8	5855.000	53.19	6.67	59.86	110.80	-50.94	peak
9	5875.000	49.50	6.72	56.22	105.20	-48.98	peak
10	5925.000	48.05	6.80	54.85	68.20	-13.35	peak
11	5977.600	50.84	6.90	57.74	68.20	-10.46	peak

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

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

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

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



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

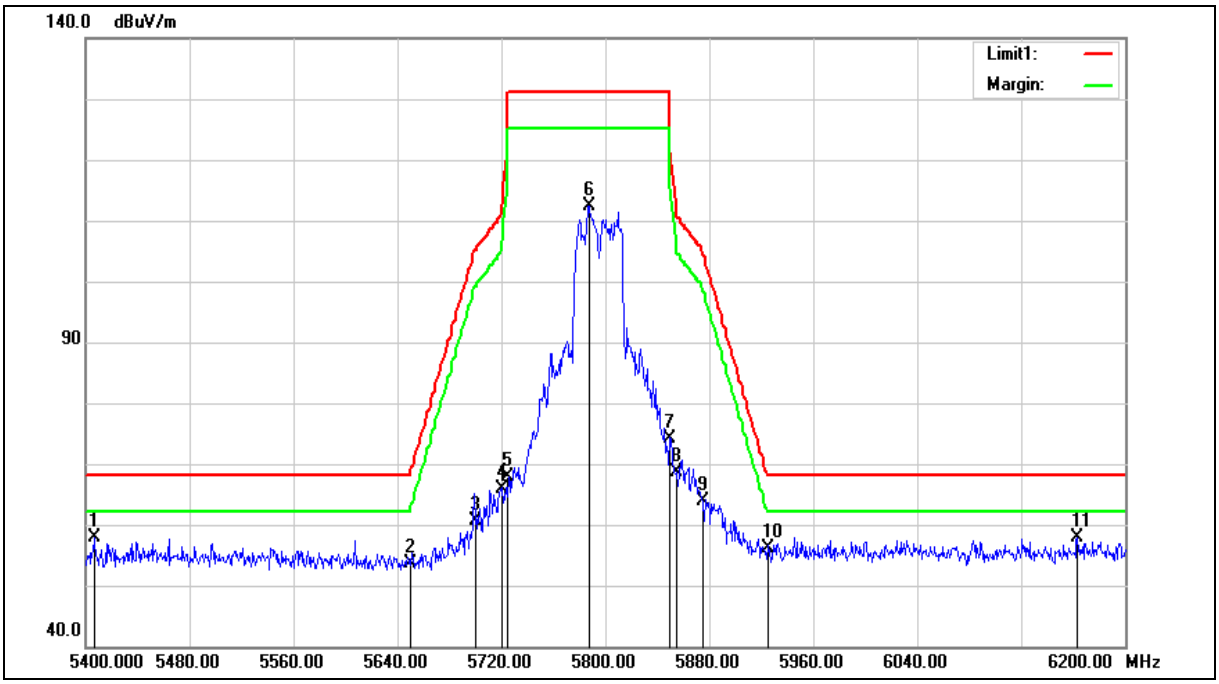
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5501.600	51.75	6.03	57.78	68.20	-10.42	peak
2	5650.000	46.98	6.31	53.29	68.20	-14.91	peak
3	5700.000	55.84	6.40	62.24	105.20	-42.96	peak
4	5720.000	62.47	6.44	68.91	110.80	-41.89	peak
5	5725.000	63.89	6.45	70.34	122.20	-51.86	peak
6	5800.000	105.47	6.57	112.04	--	--	peak
7	5850.000	64.75	6.67	71.42	122.20	-50.78	peak
8	5855.000	64.52	6.67	71.19	110.80	-39.61	peak
9	5875.000	61.51	6.72	68.23	105.20	-36.97	peak
10	5925.000	49.44	6.80	56.24	68.20	-11.96	peak
11	5993.600	51.76	6.92	58.68	68.20	-9.52	peak

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

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

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

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



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

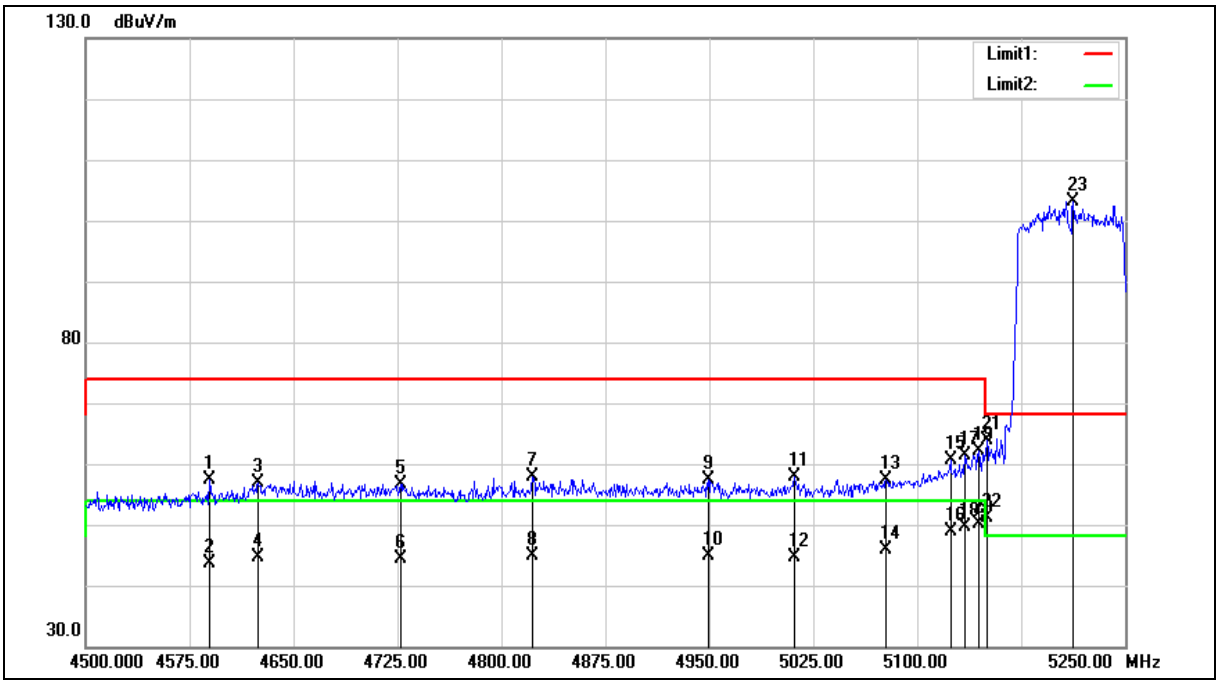
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5406.400	52.05	5.79	57.84	68.20	-10.36	peak
2	5650.000	47.32	6.31	53.63	68.20	-14.57	peak
3	5700.000	54.11	6.40	60.51	105.20	-44.69	peak
4	5720.000	59.39	6.44	65.83	110.80	-44.97	peak
5	5725.000	61.45	6.45	67.90	122.20	-54.30	peak
6	5787.200	105.79	6.56	112.35	--	--	peak
7	5850.000	67.41	6.67	74.08	122.20	-48.12	peak
8	5855.000	61.93	6.67	68.60	110.80	-42.20	peak
9	5875.000	57.16	6.72	63.88	105.20	-41.32	peak
10	5925.000	49.42	6.80	56.22	68.20	-11.98	peak
11	6163.200	50.41	7.41	57.82	68.20	-10.38	peak

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

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

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

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



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

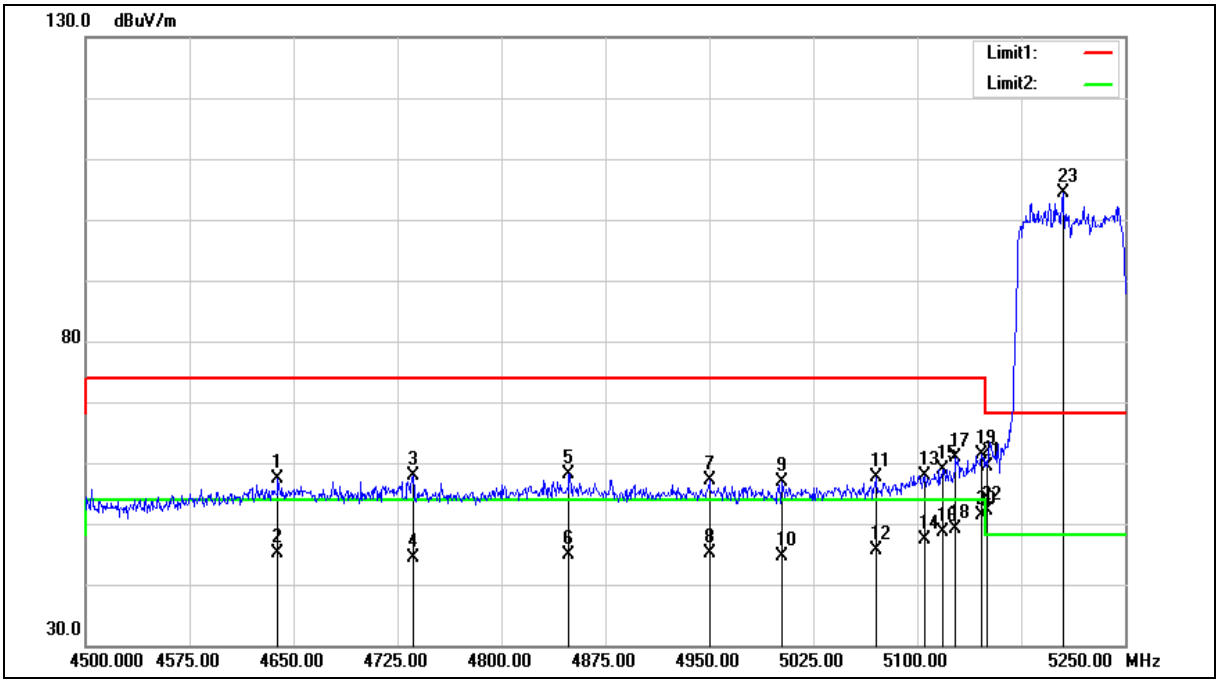
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4589.250	52.04	5.25	57.29	74.00	-16.71	peak
2	4589.250	38.42	5.25	43.67	54.00	-10.33	AVG
3	4624.500	51.59	5.36	56.95	74.00	-17.05	peak
4	4624.500	39.15	5.36	44.51	54.00	-9.49	AVG
5	4727.250	50.97	5.68	56.65	74.00	-17.35	peak
6	4727.250	38.77	5.68	44.45	54.00	-9.55	AVG
7	4822.500	51.86	5.97	57.83	74.00	-16.17	peak
8	4822.500	38.94	5.97	44.91	54.00	-9.09	AVG
9	4949.250	51.13	6.35	57.48	74.00	-16.52	peak
10	4949.250	38.43	6.35	44.78	54.00	-9.22	AVG
11	5011.500	51.36	6.54	57.90	74.00	-16.10	peak
12	5011.500	38.12	6.54	44.66	54.00	-9.34	AVG
13	5077.500	50.53	6.73	57.26	74.00	-16.74	peak
14	5077.500	39.13	6.73	45.86	54.00	-8.14	AVG
15	5124.000	53.83	6.85	60.68	74.00	-13.32	peak
16	5124.000	42.00	6.85	48.85	54.00	-5.15	AVG
17	5134.500	54.43	6.89	61.32	74.00	-12.68	peak
18	5134.500	42.79	6.89	49.68	54.00	-4.32	AVG
19	5144.250	55.25	6.92	62.17	74.00	-11.83	peak
20	5144.250	43.28	6.92	50.20	54.00	-3.80	AVG
21	5150.000	56.98	6.94	63.92	74.00	-10.08	peak
22	5150.000	44.11	6.94	51.05	54.00	-2.95	AVG
23	5212.500	96.07	7.11	103.18	--	--	peak

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

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

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

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



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

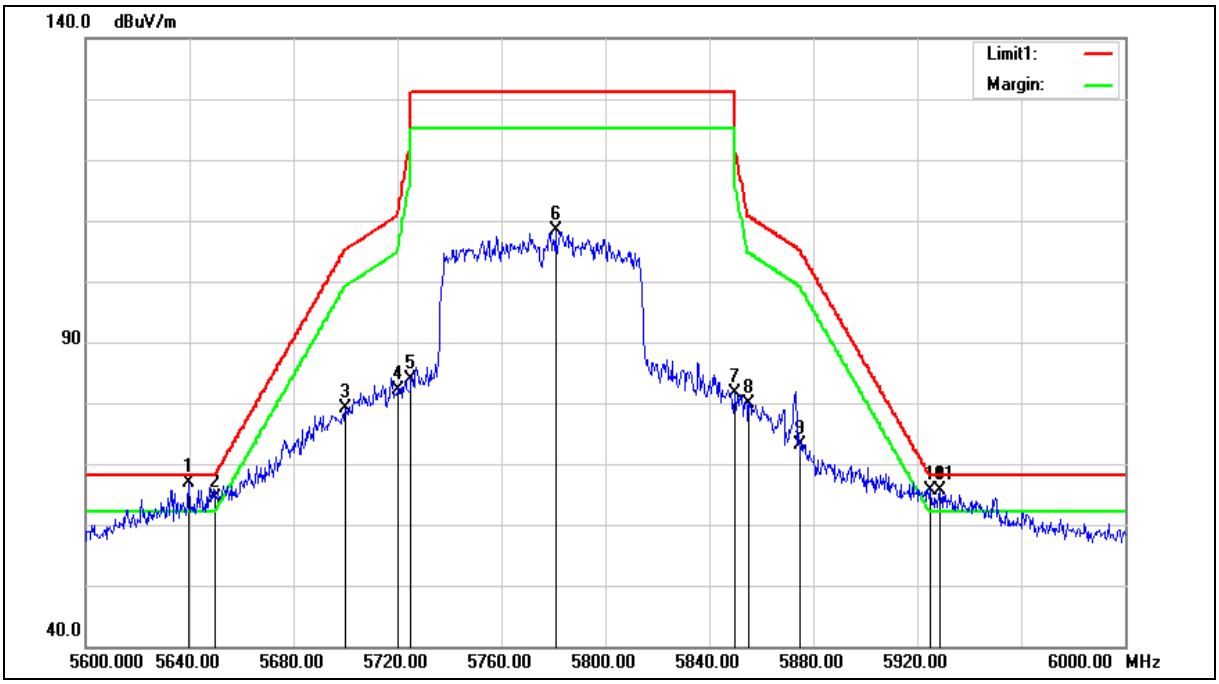
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4638.750	52.02	5.41	57.43	74.00	-16.57	peak
2	4638.750	39.61	5.41	45.02	54.00	-8.98	AVG
3	4736.250	52.13	5.71	57.84	74.00	-16.16	peak
4	4736.250	38.56	5.71	44.27	54.00	-9.73	AVG
5	4848.750	52.01	6.05	58.06	74.00	-15.94	peak
6	4848.750	38.90	6.05	44.95	54.00	-9.05	AVG
7	4950.000	50.74	6.35	57.09	74.00	-16.91	peak
8	4950.000	38.78	6.35	45.13	54.00	-8.87	AVG
9	5002.500	50.31	6.51	56.82	74.00	-17.18	peak
10	5002.500	38.18	6.51	44.69	54.00	-9.31	AVG
11	5070.000	50.92	6.71	57.63	74.00	-16.37	peak
12	5070.000	38.85	6.71	45.56	54.00	-8.44	AVG
13	5105.250	51.18	6.81	57.99	74.00	-16.01	peak
14	5105.250	40.55	6.81	47.36	54.00	-6.64	AVG
15	5118.750	52.16	6.84	59.00	74.00	-15.00	peak
16	5118.750	41.76	6.84	48.60	54.00	-5.40	AVG
17	5127.750	54.05	6.88	60.93	74.00	-13.07	peak
18	5127.750	42.23	6.88	49.11	54.00	-4.89	AVG
19	5146.500	54.45	6.93	61.38	74.00	-12.62	peak
20	5146.500	44.41	6.93	51.34	54.00	-2.66	AVG
21	5150.000	52.45	6.94	59.39	74.00	-14.61	peak
22	5150.000	45.16	6.94	52.10	54.00	-1.90	AVG
23	5205.000	97.29	7.09	104.38	--	--	peak

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

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

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

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



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

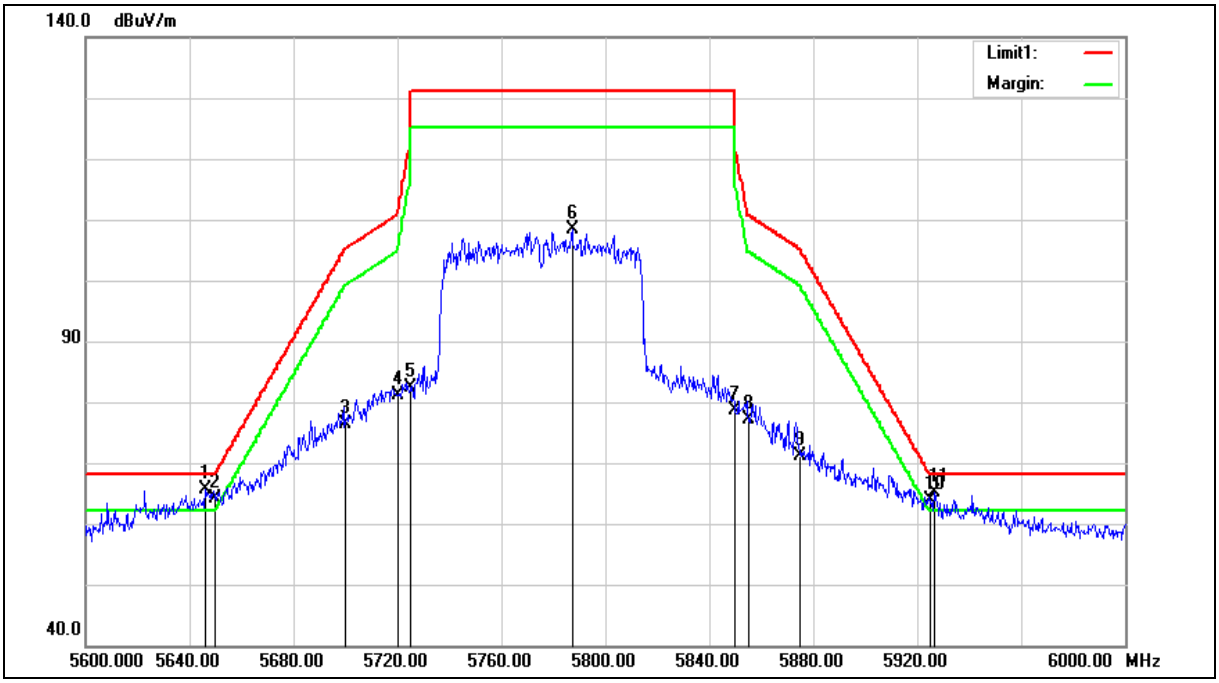
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5639.600	58.57	8.22	66.79	68.20	-1.41	peak
2	5650.000	56.15	8.24	64.39	68.20	-3.81	peak
3	5700.000	70.86	8.34	79.20	105.20	-26.00	peak
4	5720.000	73.71	8.38	82.09	110.80	-28.71	peak
5	5725.000	75.44	8.39	83.83	122.20	-38.37	peak
6	5780.800	99.79	8.50	108.29	--	--	peak
7	5850.000	72.88	8.63	81.51	122.20	-40.69	peak
8	5855.000	71.22	8.64	79.86	110.80	-30.94	peak
9	5875.000	64.37	8.69	73.06	105.20	-32.14	peak
10	5925.000	56.92	8.79	65.71	68.20	-2.49	peak
11	5928.800	56.89	8.80	65.69	68.20	-2.51	peak

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

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

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

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



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

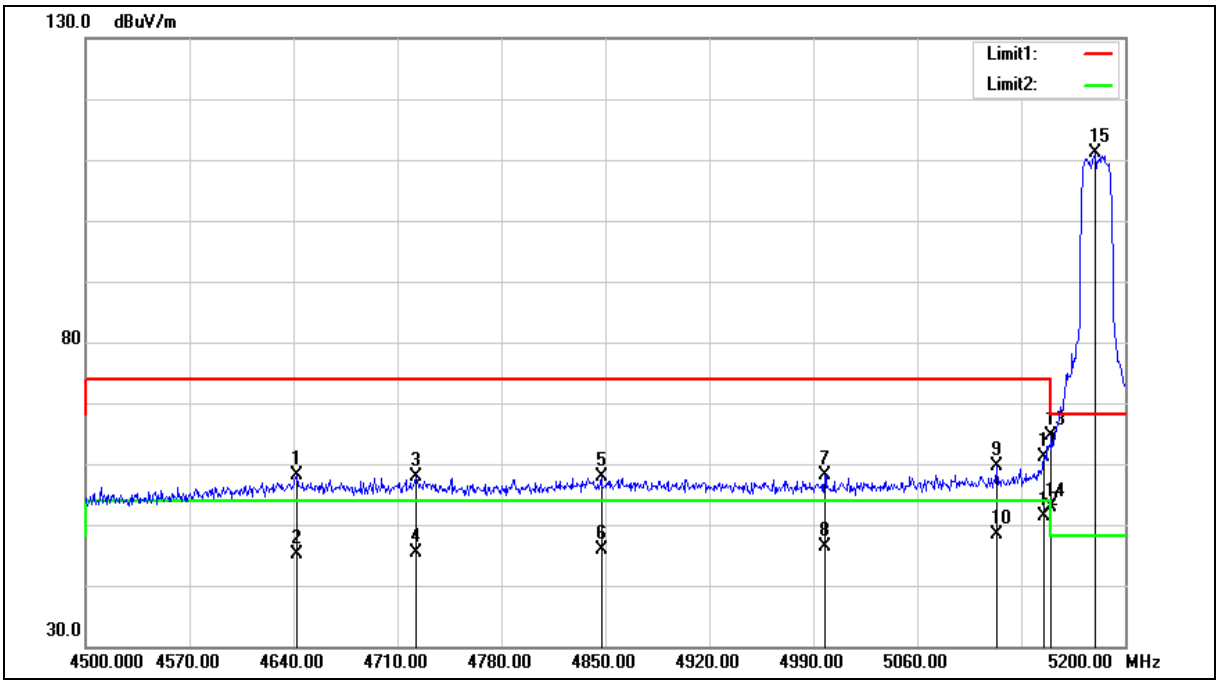
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5646.000	57.43	8.23	65.66	68.20	-2.54	peak
2	5650.000	56.00	8.24	64.24	68.20	-3.96	peak
3	5700.000	68.16	8.34	76.50	105.20	-28.70	peak
4	5720.000	72.69	8.38	81.07	110.80	-29.73	peak
5	5725.000	73.97	8.39	82.36	122.20	-39.84	peak
6	5787.200	99.97	8.51	108.48	--	--	peak
7	5850.000	70.10	8.63	78.73	122.20	-43.47	peak
8	5855.000	68.53	8.64	77.17	110.80	-33.63	peak
9	5875.000	62.38	8.69	71.07	105.20	-34.13	peak
10	5925.000	55.01	8.79	63.80	68.20	-4.40	peak
11	5926.800	56.38	8.80	65.18	68.20	-3.02	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

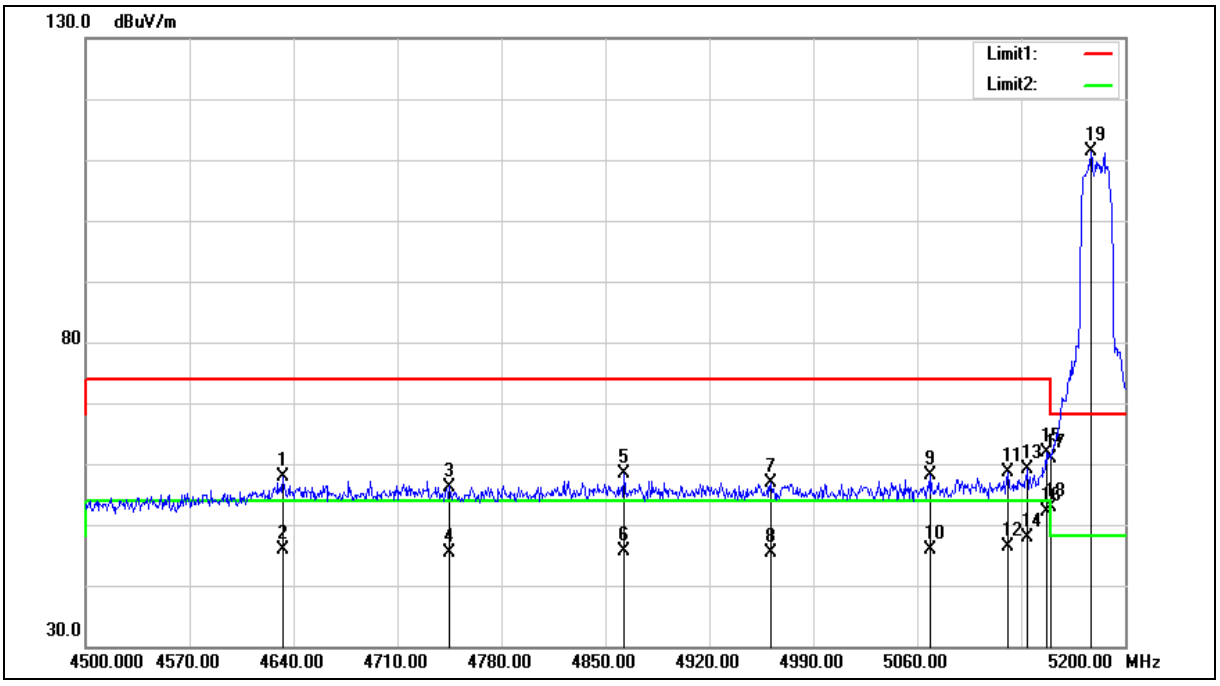
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4642.100	52.62	5.41	58.03	74.00	-15.97	peak
2	4642.100	39.68	5.41	45.09	54.00	-8.91	AVG
3	4722.600	52.17	5.67	57.84	74.00	-16.16	peak
4	4722.600	39.71	5.67	45.38	54.00	-8.62	AVG
5	4847.200	51.91	6.04	57.95	74.00	-16.05	peak
6	4847.200	39.85	6.04	45.89	54.00	-8.11	AVG
7	4997.700	51.58	6.50	58.08	74.00	-15.92	peak
8	4997.700	39.99	6.50	46.49	54.00	-7.51	AVG
9	5113.200	52.85	6.82	59.67	74.00	-14.33	peak
10	5113.200	41.58	6.82	48.40	54.00	-5.60	AVG
11	5145.400	54.20	6.93	61.13	74.00	-12.87	peak
12	5145.400	44.42	6.93	51.35	54.00	-2.65	AVG
13	5150.000	57.69	6.94	64.63	74.00	-9.37	peak
14	5150.000	45.92	6.94	52.86	54.00	-1.14	AVG
15	5179.700	104.12	7.02	111.14	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5180MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

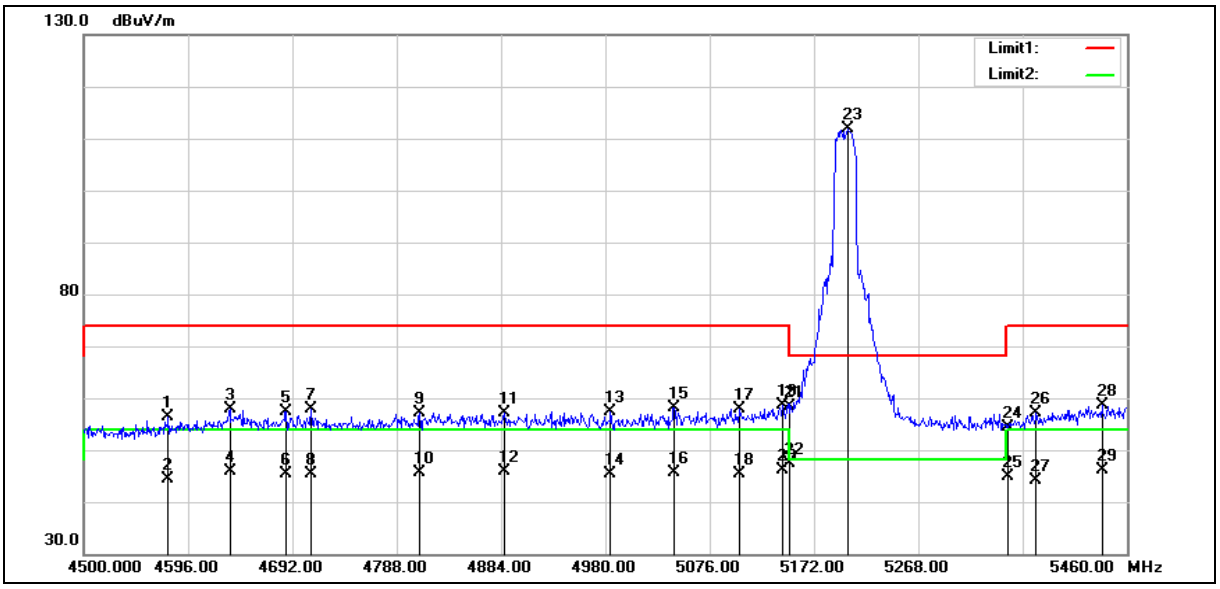
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4633.000	52.47	5.38	57.85	74.00	-16.15	peak
2	4633.000	40.58	5.38	45.96	54.00	-8.04	AVG
3	4745.000	50.52	5.73	56.25	74.00	-17.75	peak
4	4745.000	39.53	5.73	45.26	54.00	-8.74	AVG
5	4862.600	52.19	6.09	58.28	74.00	-15.72	peak
6	4862.600	39.63	6.09	45.72	54.00	-8.28	AVG
7	4961.300	50.60	6.38	56.98	74.00	-17.02	peak
8	4961.300	39.10	6.38	45.48	54.00	-8.52	AVG
9	5069.100	51.37	6.70	58.07	74.00	-15.93	peak
10	5069.100	39.11	6.70	45.81	54.00	-8.19	AVG
11	5120.900	51.83	6.85	58.68	74.00	-15.32	peak
12	5120.900	39.60	6.85	46.45	54.00	-7.55	AVG
13	5134.200	52.16	6.89	59.05	74.00	-14.95	peak
14	5134.200	41.04	6.89	47.93	54.00	-6.07	AVG
15	5146.800	54.85	6.93	61.78	74.00	-12.22	peak
16	5146.800	45.29	6.93	52.22	54.00	-1.78	AVG
17	5150.000	53.88	6.94	60.82	74.00	-13.18	peak
18	5150.000	46.01	6.94	52.95	54.00	-1.05	AVG
19	5176.900	104.36	7.02	111.38	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4577.760	51.21	5.21	56.42	74.00	-17.58	peak
2	4577.760	39.24	5.21	44.45	54.00	-9.55	AVG
3	4634.400	52.60	5.39	57.99	74.00	-16.01	peak
4	4634.400	40.50	5.39	45.89	54.00	-8.11	AVG
5	4686.240	51.78	5.55	57.33	74.00	-16.67	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

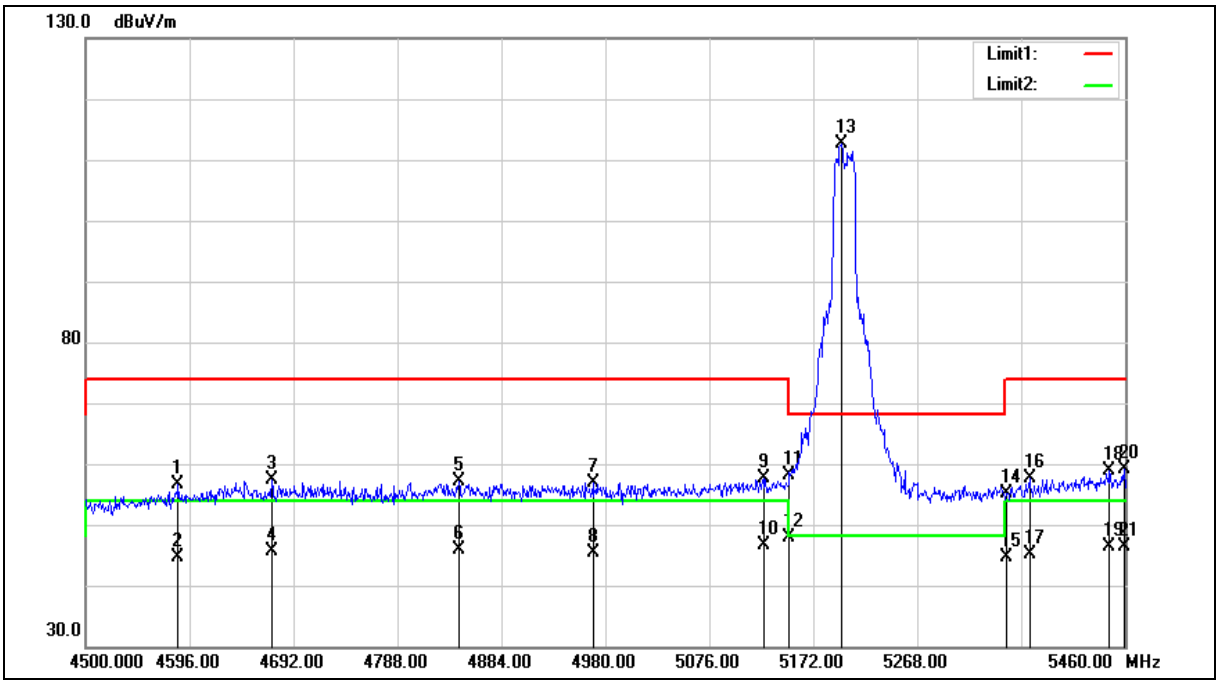
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4686.240	39.80	5.55	45.35	54.00	-8.65	AVG
7	4709.280	52.16	5.62	57.78	74.00	-16.22	peak
8	4709.280	39.64	5.62	45.26	54.00	-8.74	AVG
9	4809.120	51.21	5.93	57.14	74.00	-16.86	peak
10	4809.120	39.60	5.93	45.53	54.00	-8.47	AVG
11	4886.880	51.07	6.16	57.23	74.00	-16.77	peak
12	4886.880	39.65	6.16	45.81	54.00	-8.19	AVG
13	4984.800	50.98	6.47	57.45	74.00	-16.55	peak
14	4984.800	39.02	6.47	45.49	54.00	-8.51	AVG
15	5043.360	51.58	6.63	58.21	74.00	-15.79	peak
16	5043.360	39.04	6.63	45.67	54.00	-8.33	AVG
17	5103.840	51.14	6.80	57.94	74.00	-16.06	peak
18	5103.840	38.54	6.80	45.34	54.00	-8.66	AVG
19	5143.200	51.64	6.92	58.56	74.00	-15.44	peak
20	5143.200	39.29	6.92	46.21	54.00	-7.79	AVG
21	5150.000	51.37	6.94	58.31	74.00	-15.69	peak
22	5150.000	40.33	6.94	47.27	54.00	-6.73	AVG
23	5203.680	104.77	7.09	111.86	--	--	peak
24	5350.000	46.98	7.50	54.48	74.00	-19.52	peak
25	5350.000	37.26	7.50	44.76	54.00	-9.24	AVG
26	5376.480	49.62	7.59	57.21	74.00	-16.79	peak
27	5376.480	36.44	7.59	44.03	54.00	-9.97	AVG
28	5436.960	50.90	7.76	58.66	74.00	-15.34	peak
29	5436.960	38.49	7.76	46.25	54.00	-7.75	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5200MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

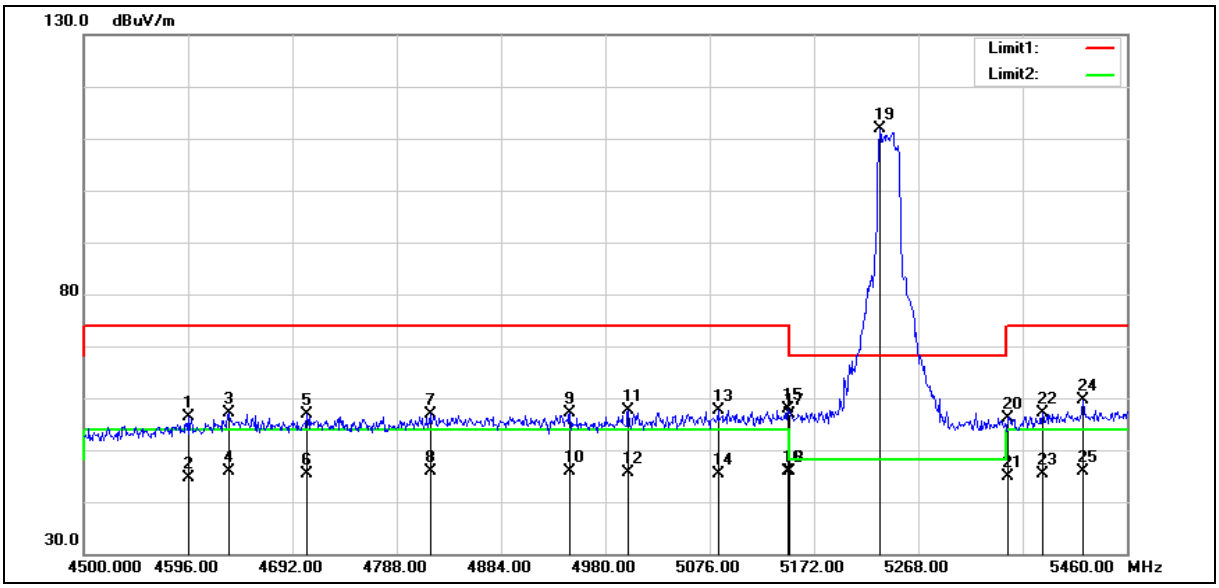
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4585.440	51.49	5.24	56.73	74.00	-17.27	peak
2	4585.440	39.45	5.24	44.69	54.00	-9.31	AVG
3	4671.840	51.75	5.51	57.26	74.00	-16.74	peak
4	4671.840	40.20	5.51	45.71	54.00	-8.29	AVG
5	4844.640	51.13	6.04	57.17	74.00	-16.83	peak
6	4844.640	39.77	6.04	45.81	54.00	-8.19	AVG
7	4968.480	50.58	6.41	56.99	74.00	-17.01	peak
8	4968.480	39.08	6.41	45.49	54.00	-8.51	AVG
9	5125.920	50.66	6.88	57.54	74.00	-16.46	peak
10	5125.920	39.64	6.88	46.52	54.00	-7.48	AVG
11	5150.000	51.23	6.94	58.17	74.00	-15.83	peak
12	5150.000	41.06	6.94	48.00	54.00	-6.00	AVG
13	5197.920	105.63	7.08	112.71	--	--	peak
14	5350.000	47.73	7.50	55.23	74.00	-18.77	peak
15	5350.000	37.15	7.50	44.65	54.00	-9.35	AVG
16	5371.680	49.99	7.56	57.55	74.00	-16.45	peak
17	5371.680	37.47	7.56	45.03	54.00	-8.97	AVG
18	5445.600	51.04	7.78	58.82	74.00	-15.18	peak
19	5445.600	38.52	7.78	46.30	54.00	-7.70	AVG
20	5459.040	51.36	7.82	59.18	74.00	-14.82	peak
21	5459.040	38.60	7.82	46.42	54.00	-7.58	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4596.000	51.21	5.28	56.49	74.00	-17.51	peak
2	4596.000	39.39	5.28	44.67	54.00	-9.33	AVG
3	4633.440	51.74	5.38	57.12	74.00	-16.88	peak
4	4633.440	40.53	5.38	45.91	54.00	-8.09	AVG
5	4705.440	51.33	5.60	56.93	74.00	-17.07	peak

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

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

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

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

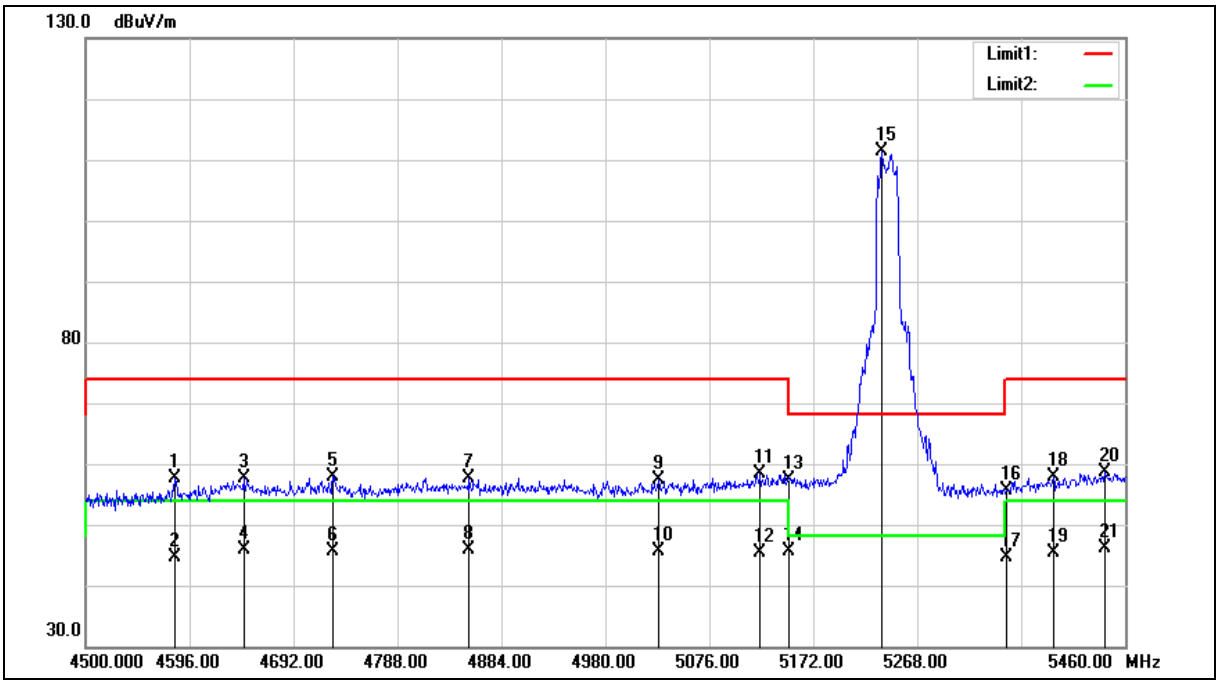
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4705.440	39.78	5.60	45.38	54.00	-8.62	AVG
7	4818.720	50.88	5.95	56.83	74.00	-17.17	peak
8	4818.720	39.90	5.95	45.85	54.00	-8.15	AVG
9	4947.360	50.76	6.34	57.10	74.00	-16.90	peak
10	4947.360	39.46	6.34	45.80	54.00	-8.20	AVG
11	5001.120	51.12	6.51	57.63	74.00	-16.37	peak
12	5001.120	39.06	6.51	45.57	54.00	-8.43	AVG
13	5083.680	50.83	6.74	57.57	74.00	-16.43	peak
14	5083.680	38.56	6.74	45.30	54.00	-8.70	AVG
15	5148.000	50.90	6.94	57.84	74.00	-16.16	peak
16	5148.000	38.86	6.94	45.80	54.00	-8.20	AVG
17	5150.000	49.83	6.94	56.77	74.00	-17.23	peak
18	5150.000	38.91	6.94	45.85	54.00	-8.15	AVG
19	5232.480	104.67	7.17	111.84	--	--	peak
20	5350.000	48.68	7.50	56.18	74.00	-17.82	peak
21	5350.000	37.39	7.50	44.89	54.00	-9.11	AVG
22	5382.240	49.51	7.60	57.11	74.00	-16.89	peak
23	5382.240	37.69	7.60	45.29	54.00	-8.71	AVG
24	5419.680	51.83	7.71	59.54	74.00	-14.46	peak
25	5419.680	38.22	7.71	45.93	54.00	-8.07	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5240MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

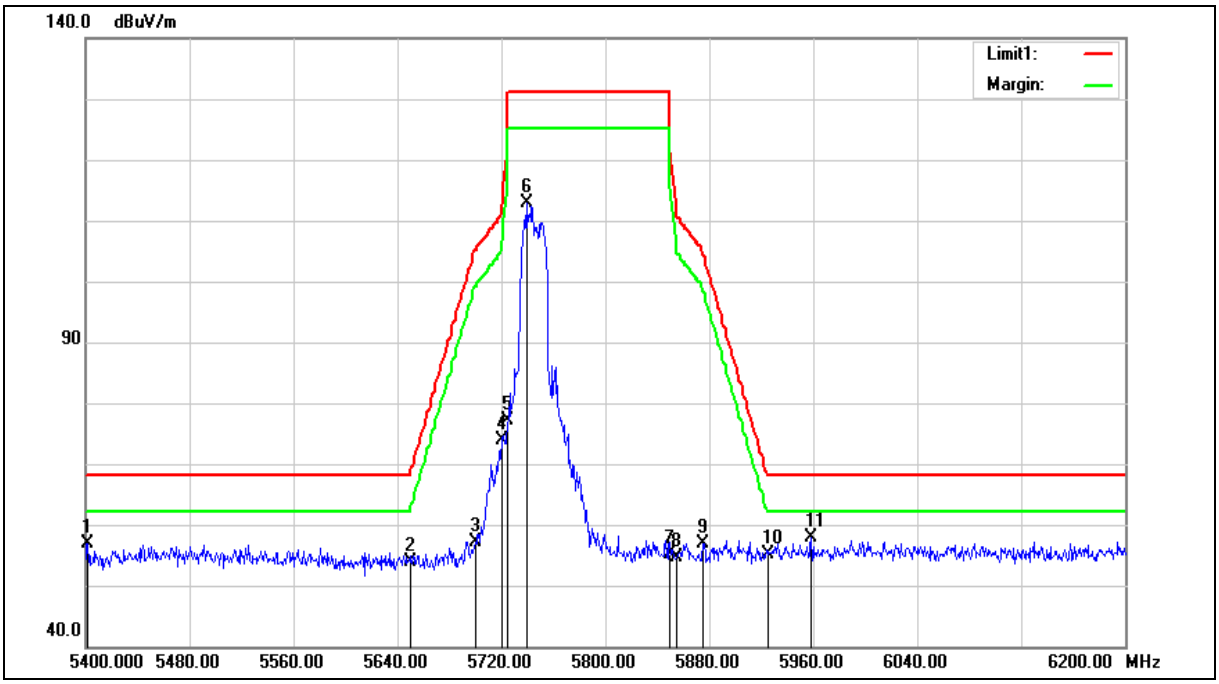
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4582.560	52.39	5.23	57.62	74.00	-16.38	peak
2	4582.560	39.31	5.23	44.54	54.00	-9.46	AVG
3	4645.920	52.21	5.42	57.63	74.00	-16.37	peak
4	4645.920	40.56	5.42	45.98	54.00	-8.02	AVG
5	4728.480	52.32	5.68	58.00	74.00	-16.00	peak
6	4728.480	39.91	5.68	45.59	54.00	-8.41	AVG
7	4854.240	51.50	6.07	57.57	74.00	-16.43	peak
8	4854.240	39.72	6.07	45.79	54.00	-8.21	AVG
9	5028.960	50.87	6.59	57.46	74.00	-16.54	peak
10	5028.960	39.09	6.59	45.68	54.00	-8.32	AVG
11	5123.040	51.55	6.85	58.40	74.00	-15.60	peak
12	5123.040	38.64	6.85	45.49	54.00	-8.51	AVG
13	5150.000	50.36	6.94	57.30	74.00	-16.70	peak
14	5150.000	38.71	6.94	45.65	54.00	-8.35	AVG
15	5235.360	104.21	7.18	111.39	--	--	peak
16	5350.000	48.12	7.50	55.62	74.00	-18.38	peak
17	5350.000	37.01	7.50	44.51	54.00	-9.49	AVG
18	5393.760	50.32	7.63	57.95	74.00	-16.05	peak
19	5393.760	37.78	7.63	45.41	54.00	-8.59	AVG
20	5440.800	50.92	7.76	58.68	74.00	-15.32	peak
21	5440.800	38.48	7.76	46.24	54.00	-7.76	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

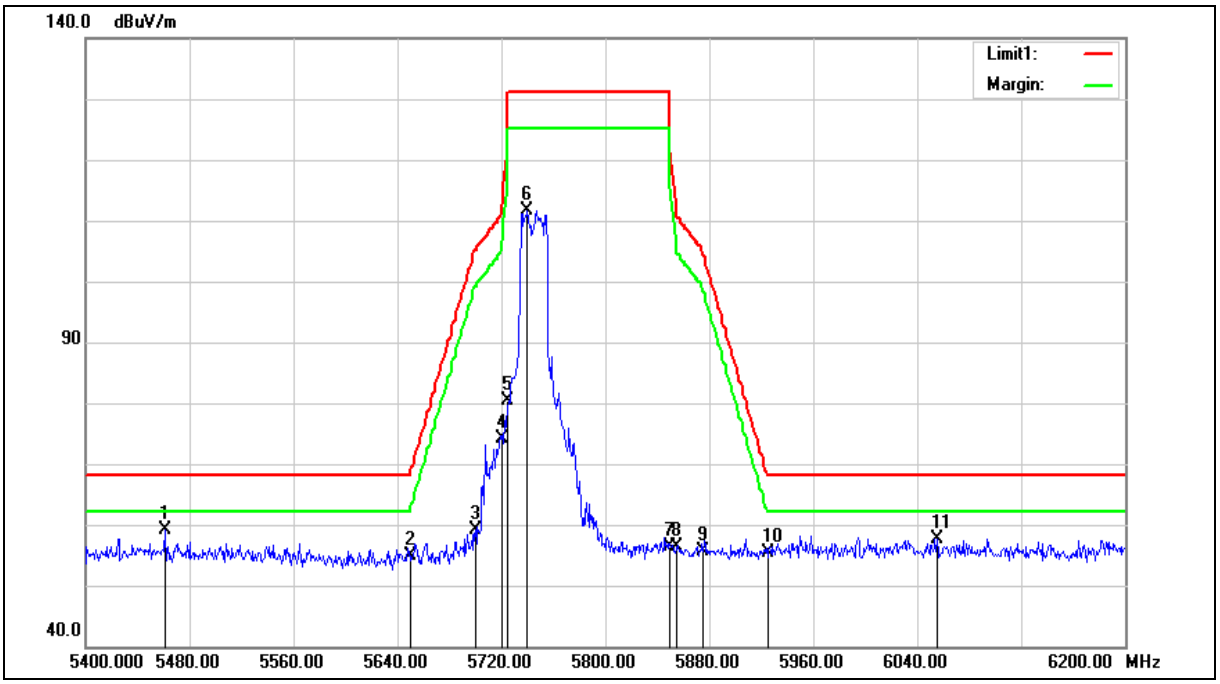
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5401.600	51.07	5.77	56.84	68.20	-11.36	peak
2	5650.000	47.67	6.31	53.98	68.20	-14.22	peak
3	5700.000	50.76	6.40	57.16	105.20	-48.04	peak
4	5720.000	67.55	6.44	73.99	110.80	-36.81	peak
5	5725.000	70.57	6.45	77.02	122.20	-45.18	peak
6	5739.200	106.46	6.46	112.92	--	--	peak
7	5850.000	48.51	6.67	55.18	122.20	-67.02	peak
8	5855.000	47.92	6.67	54.59	110.80	-56.21	peak
9	5875.000	50.22	6.72	56.94	105.20	-48.26	peak
10	5925.000	48.39	6.80	55.19	68.20	-13.01	peak
11	5958.400	51.09	6.87	57.96	68.20	-10.24	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5745MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

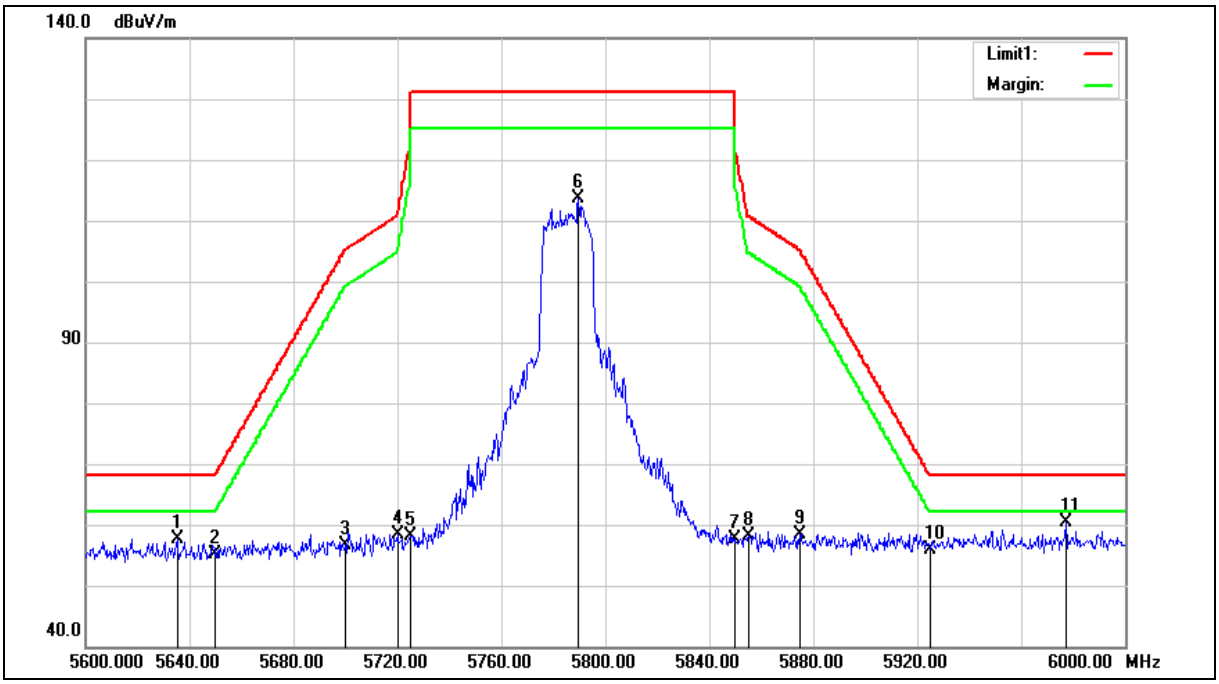
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5460.800	53.08	5.93	59.01	68.20	-9.19	peak
2	5650.000	48.53	6.31	54.84	68.20	-13.36	peak
3	5700.000	52.83	6.40	59.23	105.20	-45.97	peak
4	5720.000	67.76	6.44	74.20	110.80	-36.60	peak
5	5725.000	73.94	6.45	80.39	122.20	-41.81	peak
6	5740.000	105.18	6.47	111.65	--	--	peak
7	5850.000	49.77	6.67	56.44	122.20	-65.76	peak
8	5855.000	49.83	6.67	56.50	110.80	-54.30	peak
9	5875.000	48.88	6.72	55.60	105.20	-49.60	peak
10	5925.000	48.57	6.80	55.37	68.20	-12.83	peak
11	6055.200	50.53	7.11	57.64	68.20	-10.56	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

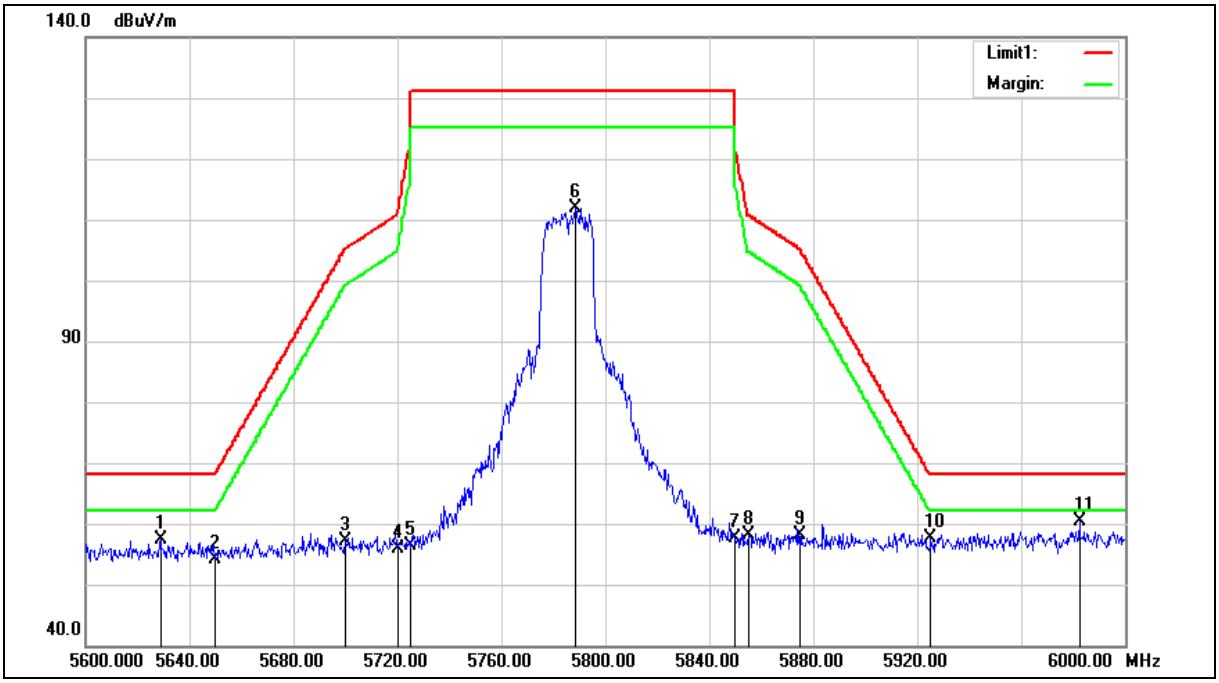
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5635.200	49.51	8.21	57.72	68.20	-10.48	peak
2	5650.000	46.77	8.24	55.01	68.20	-13.19	peak
3	5700.000	48.31	8.34	56.65	105.20	-48.55	peak
4	5720.000	49.90	8.38	58.28	110.80	-52.52	peak
5	5725.000	49.71	8.39	58.10	122.20	-64.10	peak
6	5789.600	105.08	8.51	113.59	--	--	peak
7	5850.000	48.91	8.63	57.54	122.20	-64.66	peak
8	5855.000	49.57	8.64	58.21	110.80	-52.59	peak
9	5875.000	49.74	8.69	58.43	105.20	-46.77	peak
10	5925.000	47.20	8.79	55.99	68.20	-12.21	peak
11	5977.200	51.44	8.90	60.34	68.20	-7.86	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:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5785MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

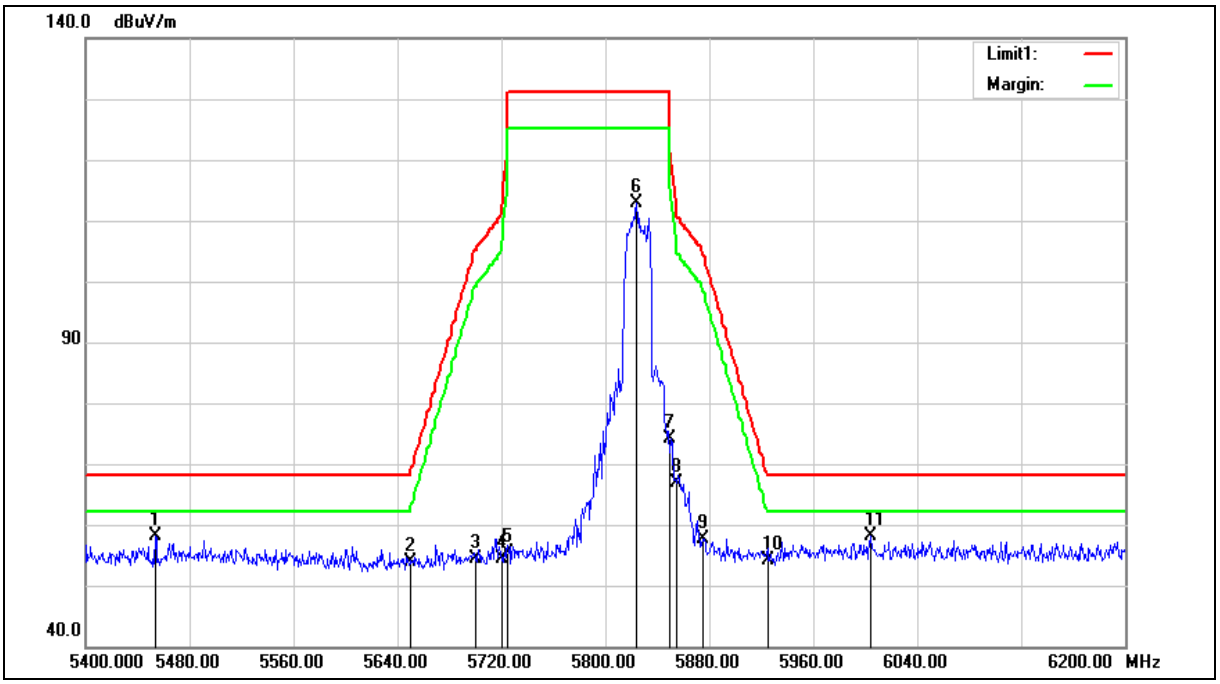
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5628.800	49.25	8.20	57.45	68.20	-10.75	peak
2	5650.000	45.79	8.24	54.03	68.20	-14.17	peak
3	5700.000	48.88	8.34	57.22	105.20	-47.98	peak
4	5720.000	47.61	8.38	55.99	110.80	-54.81	peak
5	5725.000	47.97	8.39	56.36	122.20	-65.84	peak
6	5788.400	103.45	8.51	111.96	--	--	peak
7	5850.000	48.93	8.63	57.56	122.20	-64.64	peak
8	5855.000	49.51	8.64	58.15	110.80	-52.65	peak
9	5875.000	49.52	8.69	58.21	105.20	-46.99	peak
10	5925.000	48.78	8.79	57.57	68.20	-10.63	peak
11	5982.400	51.59	8.90	60.49	68.20	-7.71	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:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

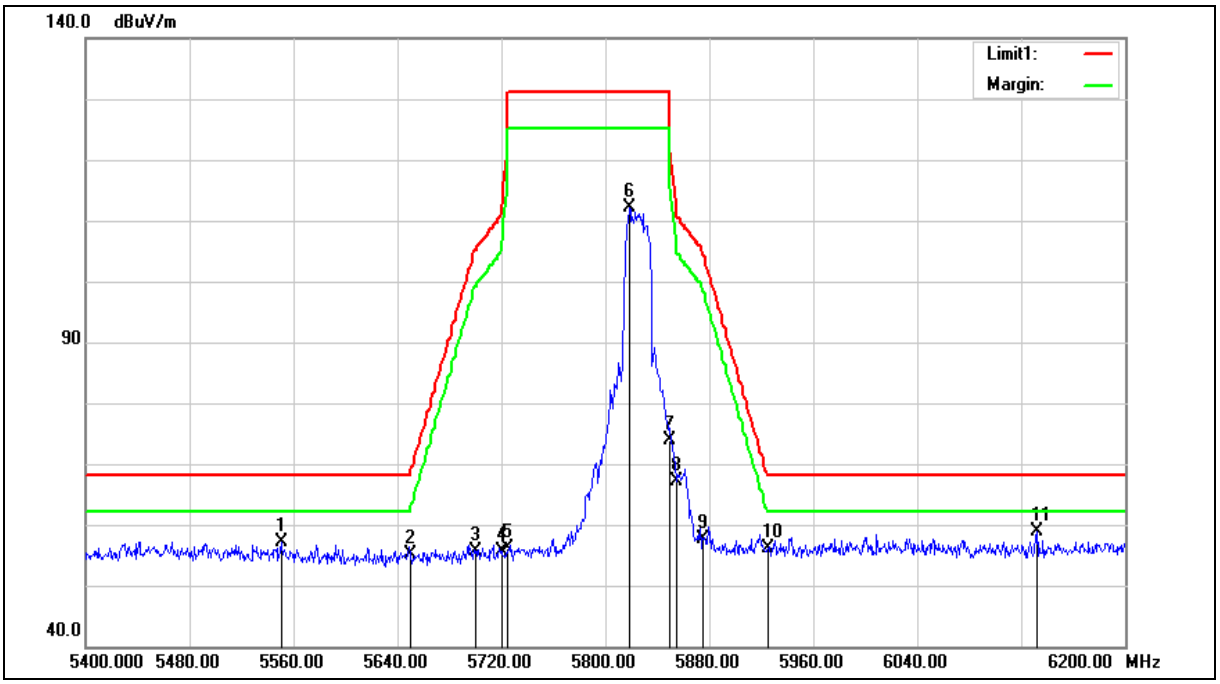
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	52.27	5.91	58.18	68.20	-10.02	peak
2	5650.000	47.69	6.31	54.00	68.20	-14.20	peak
3	5700.000	47.86	6.40	54.26	105.20	-50.94	peak
4	5720.000	47.91	6.44	54.35	110.80	-56.45	peak
5	5725.000	49.01	6.45	55.46	122.20	-66.74	peak
6	5824.000	106.25	6.62	112.87	--	--	peak
7	5850.000	67.36	6.67	74.03	122.20	-48.17	peak
8	5855.000	60.12	6.67	66.79	110.80	-44.01	peak
9	5875.000	51.02	6.72	57.74	105.20	-47.46	peak
10	5925.000	47.27	6.80	54.07	68.20	-14.13	peak
11	6004.000	51.15	6.95	58.10	68.20	-10.10	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5825MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		

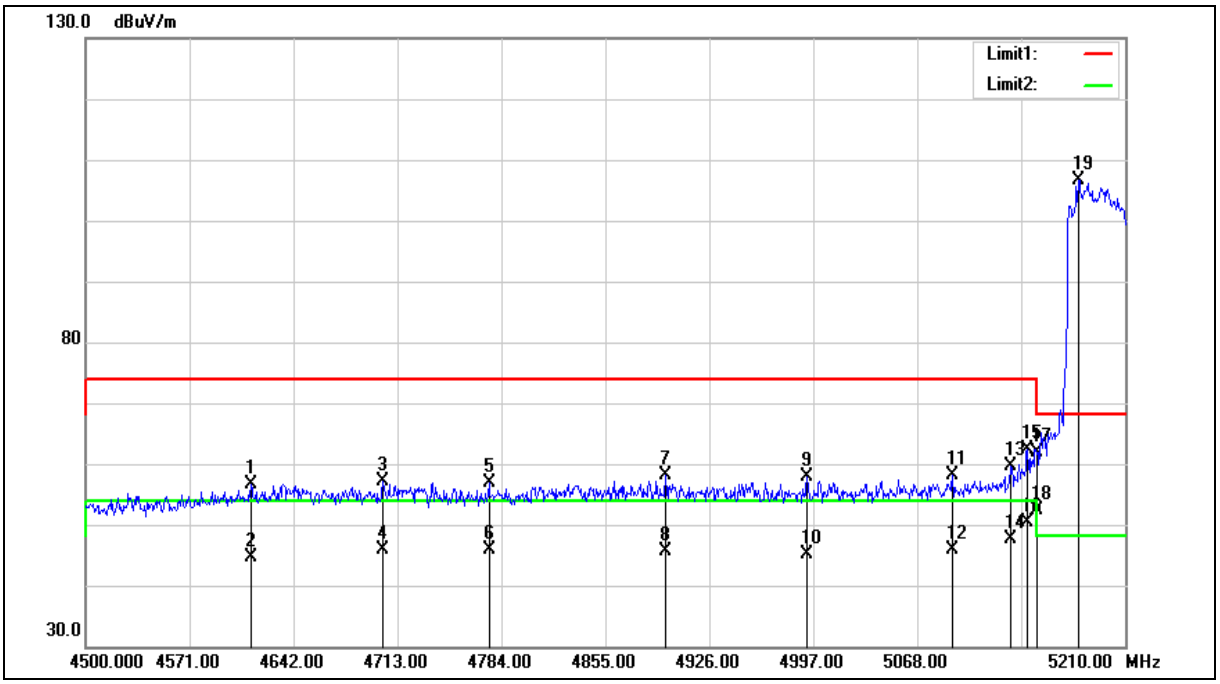
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5550.400	51.04	6.13	57.17	68.20	-11.03	peak
2	5650.000	48.85	6.31	55.16	68.20	-13.04	peak
3	5700.000	49.18	6.40	55.58	105.20	-49.62	peak
4	5720.000	49.29	6.44	55.73	110.80	-55.07	peak
5	5725.000	49.72	6.45	56.17	122.20	-66.03	peak
6	5818.400	105.59	6.61	112.20	--	--	peak
7	5850.000	67.32	6.67	73.99	122.20	-48.21	peak
8	5855.000	60.53	6.67	67.20	110.80	-43.60	peak
9	5875.000	50.93	6.72	57.65	105.20	-47.55	peak
10	5925.000	49.21	6.80	56.01	68.20	-12.19	peak
11	6132.000	51.62	7.32	58.94	68.20	-9.26	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

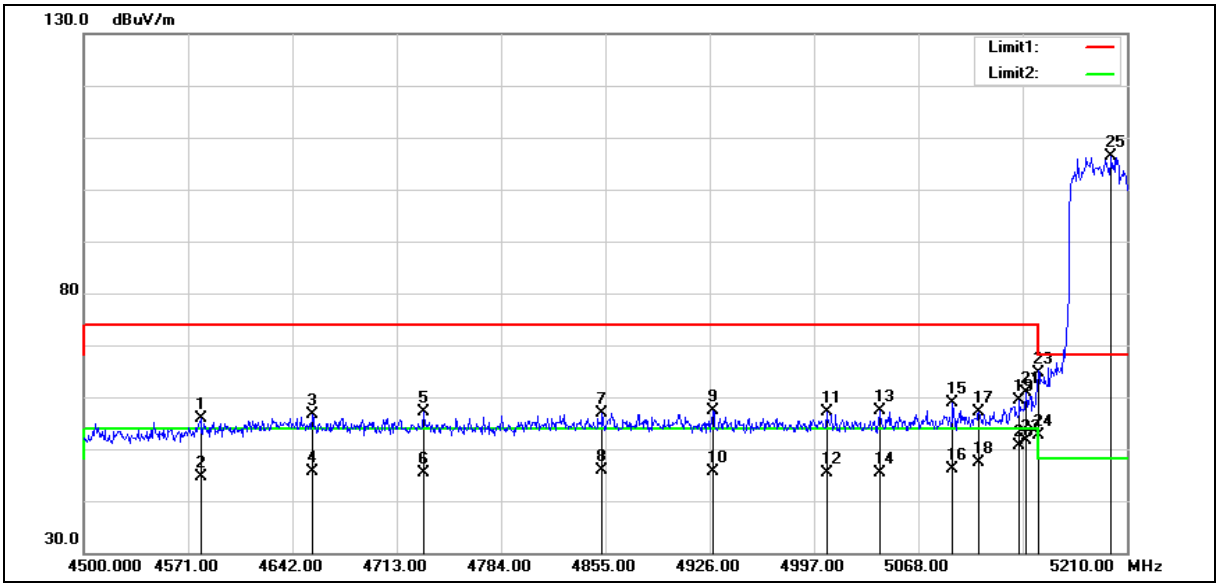
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4612.890	51.38	5.33	56.71	74.00	-17.29	peak
2	4612.890	39.41	5.33	44.74	54.00	-9.26	AVG
3	4703.060	51.60	5.60	57.20	74.00	-16.80	peak
4	4703.060	40.37	5.60	45.97	54.00	-8.03	AVG
5	4775.480	51.09	5.82	56.91	74.00	-17.09	peak
6	4775.480	40.13	5.82	45.95	54.00	-8.05	AVG
7	4896.180	51.83	6.19	58.02	74.00	-15.98	peak
8	4896.180	39.32	6.19	45.51	54.00	-8.49	AVG
9	4992.740	51.37	6.48	57.85	74.00	-16.15	peak
10	4992.740	38.69	6.48	45.17	54.00	-8.83	AVG
11	5092.140	51.30	6.77	58.07	74.00	-15.93	peak
12	5092.140	39.19	6.77	45.96	54.00	-8.04	AVG
13	5131.900	52.75	6.89	59.64	74.00	-14.36	peak
14	5131.900	40.78	6.89	47.67	54.00	-6.33	AVG
15	5143.260	55.34	6.92	62.26	74.00	-11.74	peak
16	5143.260	43.54	6.92	50.46	54.00	-3.54	AVG
17	5150.000	54.96	6.94	61.90	74.00	-12.10	peak
18	5150.000	45.35	6.94	52.29	54.00	-1.71	AVG
19	5178.050	99.56	7.02	106.58	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4579.520	50.59	5.22	55.81	74.00	-18.19	peak
2	4579.520	39.50	5.22	44.72	54.00	-9.28	AVG
3	4655.490	51.24	5.45	56.69	74.00	-17.31	peak
4	4655.490	40.09	5.45	45.54	54.00	-8.46	AVG
5	4731.460	51.38	5.69	57.07	74.00	-16.93	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5190MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		

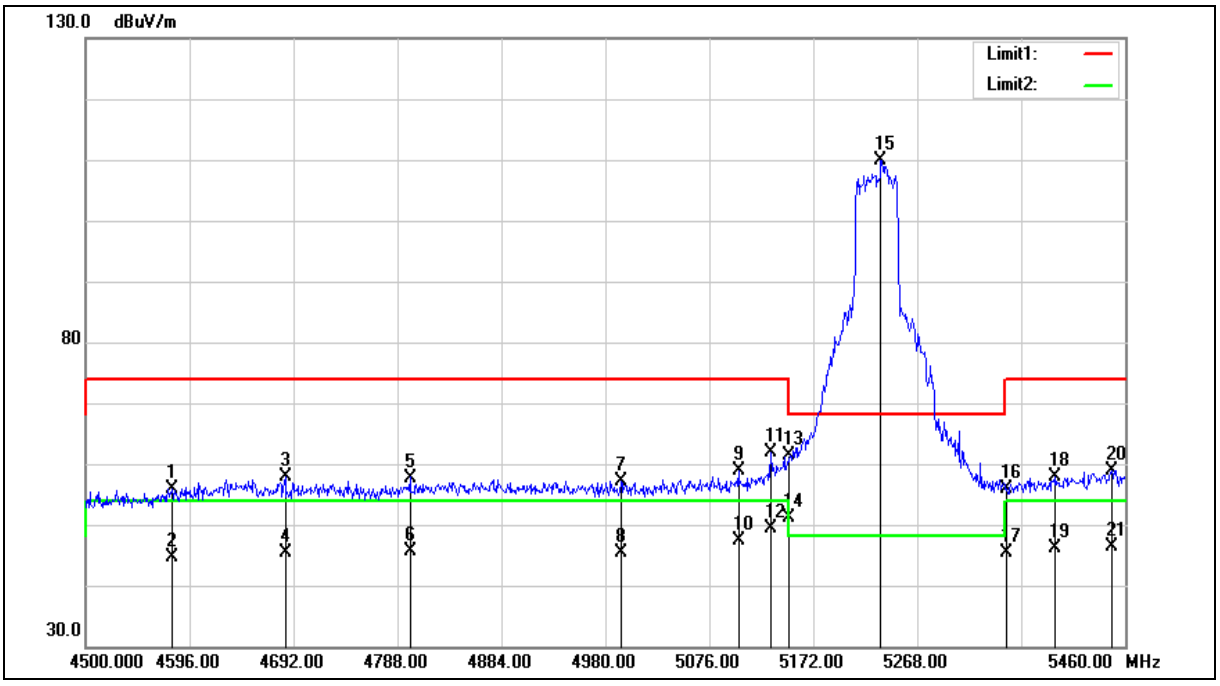
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4731.460	39.73	5.69	45.42	54.00	-8.58	AVG
7	4852.870	50.80	6.07	56.87	74.00	-17.13	peak
8	4852.870	39.71	6.07	45.78	54.00	-8.22	AVG
9	4928.130	51.04	6.29	57.33	74.00	-16.67	peak
10	4928.130	39.30	6.29	45.59	54.00	-8.41	AVG
11	5005.520	50.53	6.53	57.06	74.00	-16.94	peak
12	5005.520	38.77	6.53	45.30	54.00	-8.70	AVG
13	5041.730	50.79	6.63	57.42	74.00	-16.58	peak
14	5041.730	38.87	6.63	45.50	54.00	-8.50	AVG
15	5091.430	52.22	6.76	58.98	74.00	-15.02	peak
16	5091.430	39.36	6.76	46.12	54.00	-7.88	AVG
17	5109.180	50.22	6.82	57.04	74.00	-16.96	peak
18	5109.180	40.50	6.82	47.32	54.00	-6.68	AVG
19	5136.870	52.45	6.91	59.36	74.00	-14.64	peak
20	5136.870	43.82	6.91	50.73	54.00	-3.27	AVG
21	5141.130	53.94	6.91	60.85	74.00	-13.15	peak
22	5141.130	44.69	6.91	51.60	54.00	-2.40	AVG
23	5150.000	57.67	6.94	64.61	74.00	-9.39	peak
24	5150.000	45.81	6.94	52.75	54.00	-1.25	AVG
25	5199.350	99.26	7.08	106.34	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

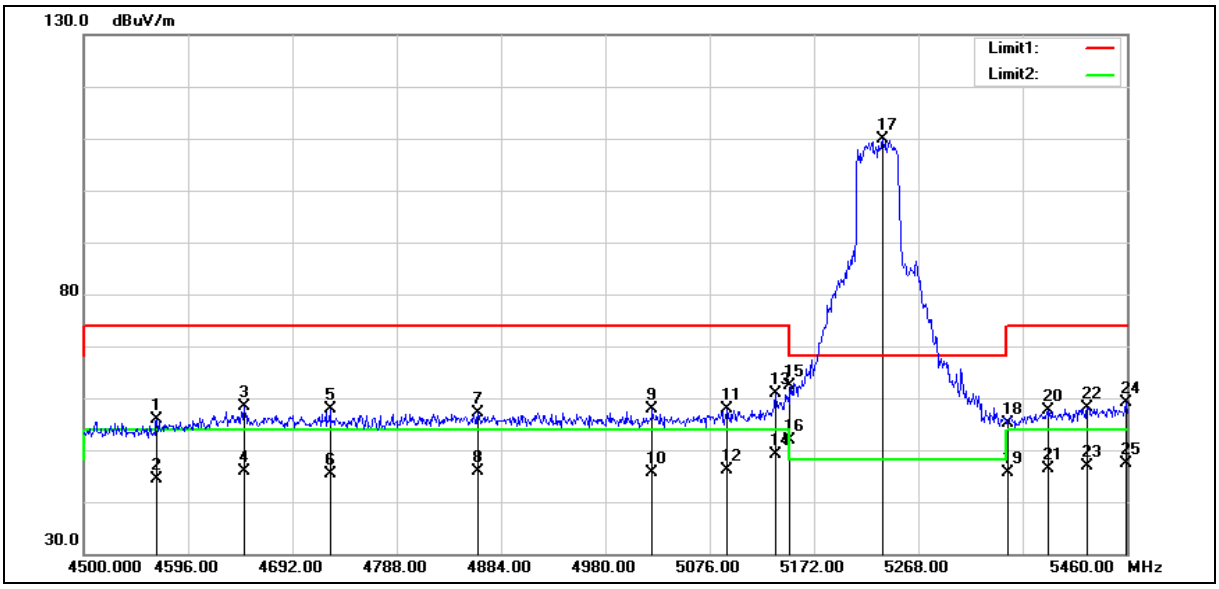
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4579.680	50.67	5.23	55.90	74.00	-18.10	peak
2	4579.680	39.45	5.23	44.68	54.00	-9.32	AVG
3	4684.320	52.27	5.55	57.82	74.00	-16.18	peak
4	4684.320	39.82	5.55	45.37	54.00	-8.63	AVG
5	4799.520	51.85	5.90	57.75	74.00	-16.25	peak
6	4799.520	39.69	5.90	45.59	54.00	-8.41	AVG
7	4994.400	50.70	6.50	57.20	74.00	-16.80	peak
8	4994.400	38.93	6.50	45.43	54.00	-8.57	AVG
9	5102.880	52.06	6.80	58.86	74.00	-15.14	peak
10	5102.880	40.69	6.80	47.49	54.00	-6.51	AVG
11	5132.640	55.05	6.89	61.94	74.00	-12.06	peak
12	5132.640	42.39	6.89	49.28	54.00	-4.72	AVG
13	5150.000	54.35	6.94	61.29	74.00	-12.71	peak
14	5150.000	44.07	6.94	51.01	54.00	-2.99	AVG
15	5234.400	102.80	7.17	109.97	--	--	peak
16	5350.000	48.33	7.50	55.83	74.00	-18.17	peak
17	5350.000	37.78	7.50	45.28	54.00	-8.72	AVG
18	5395.680	50.33	7.64	57.97	74.00	-16.03	peak
19	5395.680	38.53	7.64	46.17	54.00	-7.83	AVG
20	5447.520	51.17	7.79	58.96	74.00	-15.04	peak
21	5447.520	38.67	7.79	46.46	54.00	-7.54	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:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4567.200	50.68	5.19	55.87	74.00	-18.13	peak
2	4567.200	39.10	5.19	44.29	54.00	-9.71	AVG
3	4647.840	52.93	5.43	58.36	74.00	-15.64	peak
4	4647.840	40.42	5.43	45.85	54.00	-8.15	AVG
5	4726.560	52.11	5.68	57.79	74.00	-16.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5230MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		

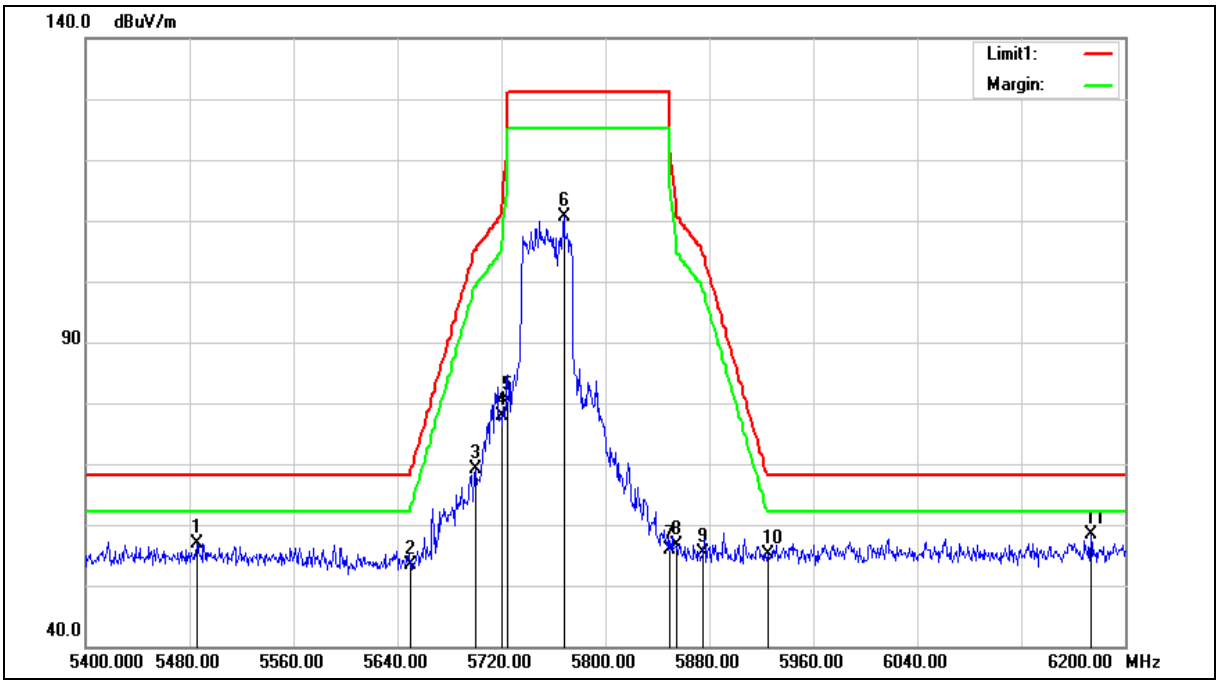
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
6	4726.560	39.81	5.68	45.49	54.00	-8.51	AVG
7	4862.880	51.00	6.09	57.09	74.00	-16.91	peak
8	4862.880	39.74	6.09	45.83	54.00	-8.17	AVG
9	5023.200	51.28	6.57	57.85	74.00	-16.15	peak
10	5023.200	38.99	6.57	45.56	54.00	-8.44	AVG
11	5092.320	51.09	6.77	57.86	74.00	-16.14	peak
12	5092.320	39.43	6.77	46.20	54.00	-7.80	AVG
13	5136.480	54.07	6.91	60.98	74.00	-13.02	peak
14	5136.480	42.12	6.91	49.03	54.00	-4.97	AVG
15	5150.000	55.45	6.94	62.39	74.00	-11.61	peak
16	5150.000	44.95	6.94	51.89	54.00	-2.11	AVG
17	5235.360	102.74	7.18	109.92	--	--	peak
18	5350.000	47.61	7.50	55.11	74.00	-18.89	peak
19	5350.000	38.19	7.50	45.69	54.00	-8.31	AVG
20	5388.000	50.01	7.62	57.63	74.00	-16.37	peak
21	5388.000	38.78	7.62	46.40	54.00	-7.60	AVG
22	5423.520	50.44	7.71	58.15	74.00	-15.85	peak
23	5423.520	39.26	7.71	46.97	54.00	-7.03	AVG
24	5459.040	51.21	7.82	59.03	74.00	-14.97	peak
25	5459.040	39.59	7.82	47.41	54.00	-6.59	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

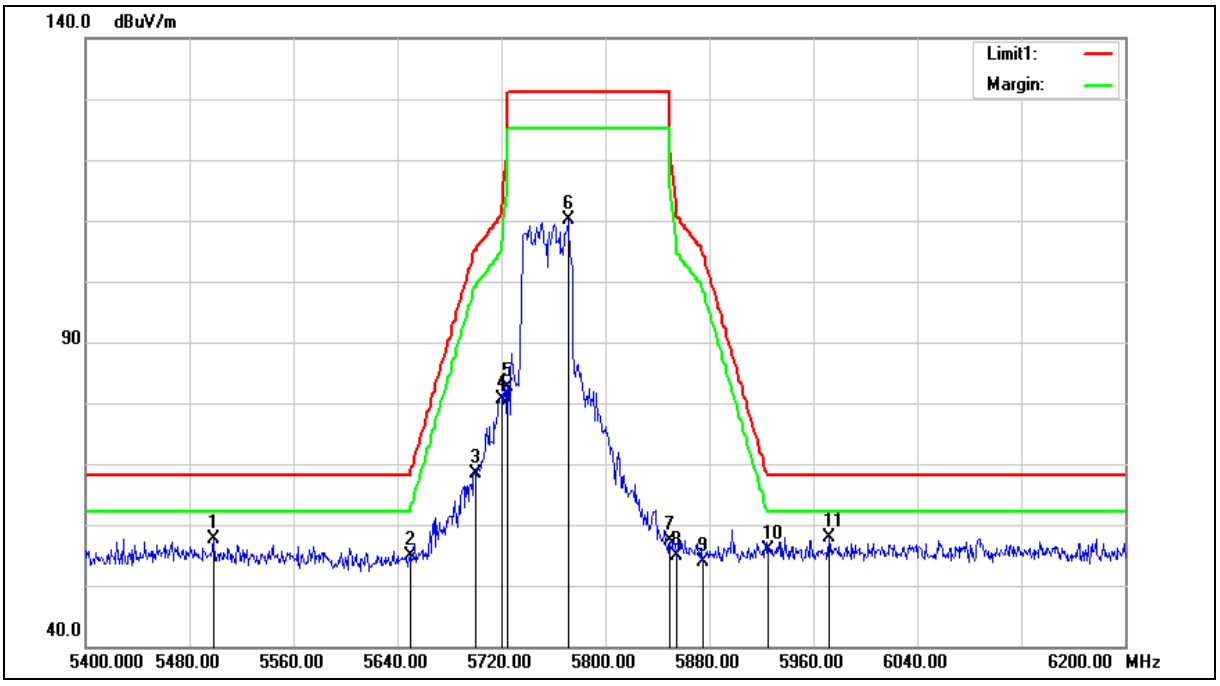
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5485.600	50.99	6.00	56.99	68.20	-11.21	peak
2	5650.000	47.19	6.31	53.50	68.20	-14.70	peak
3	5700.000	62.74	6.40	69.14	105.20	-36.06	peak
4	5720.000	71.47	6.44	77.91	110.80	-32.89	peak
5	5725.000	73.94	6.45	80.39	122.20	-41.81	peak
6	5768.000	104.04	6.52	110.56	--	--	peak
7	5850.000	49.32	6.67	55.99	122.20	-66.21	peak
8	5855.000	49.84	6.67	56.51	110.80	-54.29	peak
9	5875.000	48.73	6.72	55.45	105.20	-49.75	peak
10	5925.000	48.35	6.80	55.15	68.20	-13.05	peak
11	6173.600	50.90	7.45	58.35	68.20	-9.85	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:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5755MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		

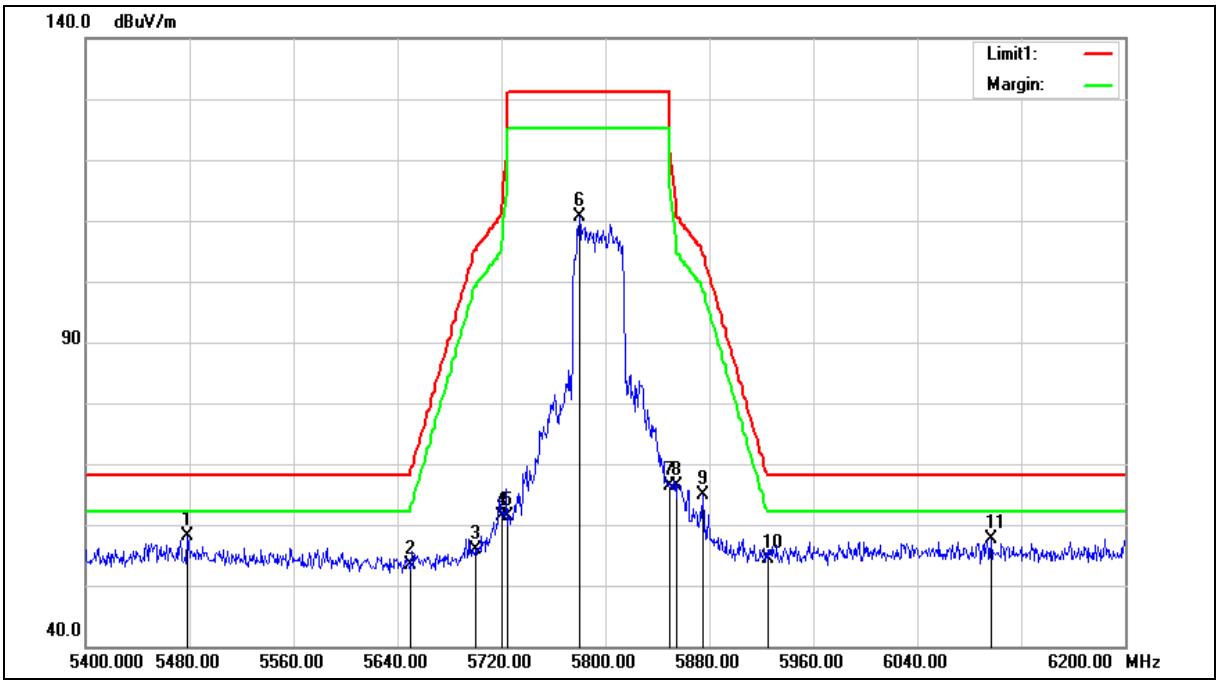
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5498.400	51.59	6.04	57.63	68.20	-10.57	peak
2	5650.000	48.60	6.31	54.91	68.20	-13.29	peak
3	5700.000	61.87	6.40	68.27	105.20	-36.93	peak
4	5720.000	74.24	6.44	80.68	110.80	-30.12	peak
5	5725.000	76.12	6.45	82.57	122.20	-39.63	peak
6	5771.200	103.57	6.53	110.10	--	--	peak
7	5850.000	50.66	6.67	57.33	122.20	-64.87	peak
8	5855.000	48.22	6.67	54.89	110.80	-55.91	peak
9	5875.000	47.11	6.72	53.83	105.20	-51.37	peak
10	5925.000	49.01	6.80	55.81	68.20	-12.39	peak
11	5972.000	50.89	6.88	57.77	68.20	-10.43	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

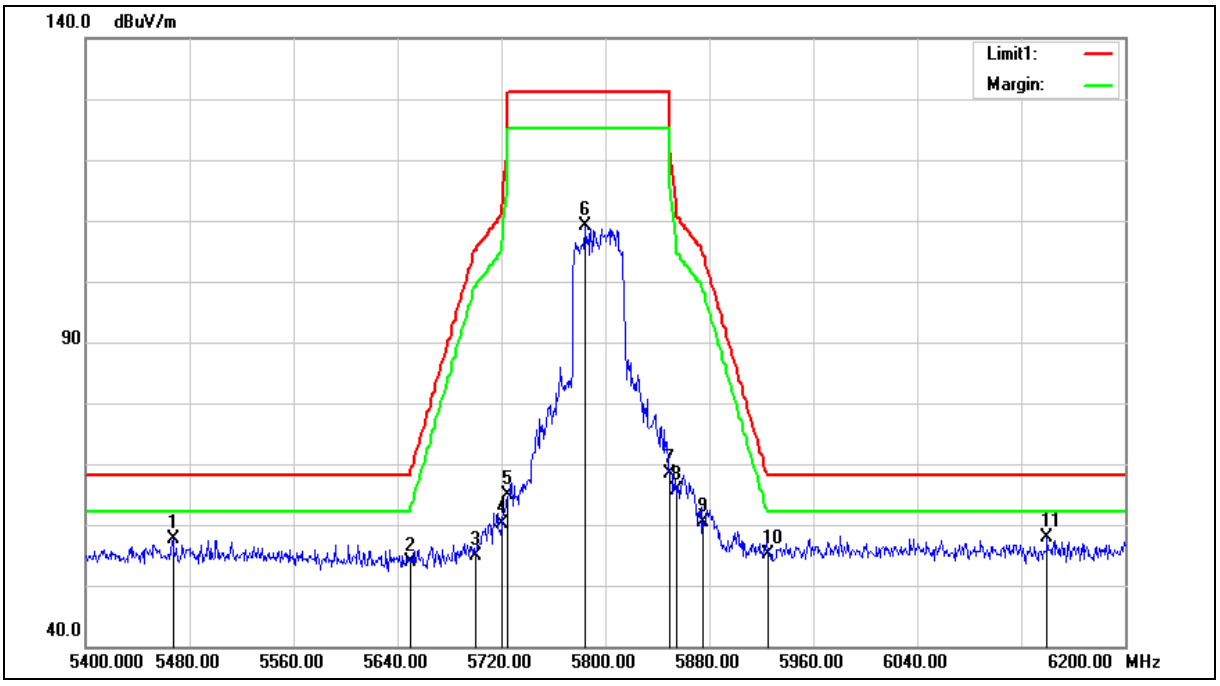
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5478.400	52.20	5.98	58.18	68.20	-10.02	peak
2	5650.000	47.17	6.31	53.48	68.20	-14.72	peak
3	5700.000	49.39	6.40	55.79	105.20	-49.41	peak
4	5720.000	55.06	6.44	61.50	110.80	-49.30	peak
5	5725.000	54.85	6.45	61.30	122.20	-60.90	peak
6	5780.000	103.98	6.54	110.52	--	--	peak
7	5850.000	59.71	6.67	66.38	122.20	-55.82	peak
8	5855.000	59.62	6.67	66.29	110.80	-44.51	peak
9	5875.000	58.15	6.72	64.87	105.20	-40.33	peak
10	5925.000	47.47	6.80	54.27	68.20	-13.93	peak
11	6096.800	50.50	7.23	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:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5795MHz		
Mode:	Mode 7		
Ant.Polar.:	Vertical		

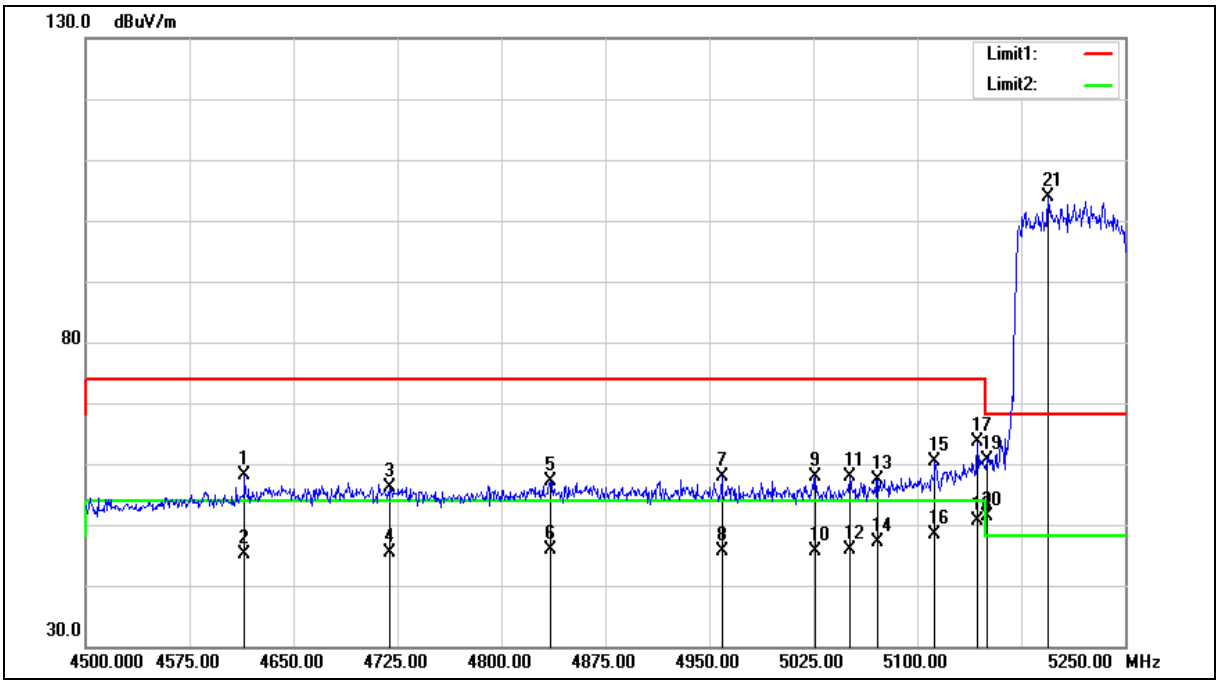
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5467.200	51.60	5.95	57.55	68.20	-10.65	peak
2	5650.000	47.67	6.31	53.98	68.20	-14.22	peak
3	5700.000	48.36	6.40	54.76	105.20	-50.44	peak
4	5720.000	53.63	6.44	60.07	110.80	-50.73	peak
5	5725.000	58.39	6.45	64.84	122.20	-57.36	peak
6	5784.000	102.62	6.55	109.17	--	--	peak
7	5850.000	61.81	6.67	68.48	122.20	-53.72	peak
8	5855.000	58.94	6.67	65.61	110.80	-45.19	peak
9	5875.000	53.66	6.72	60.38	105.20	-44.82	peak
10	5925.000	48.34	6.80	55.14	68.20	-13.06	peak
11	6140.000	50.64	7.35	57.99	68.20	-10.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

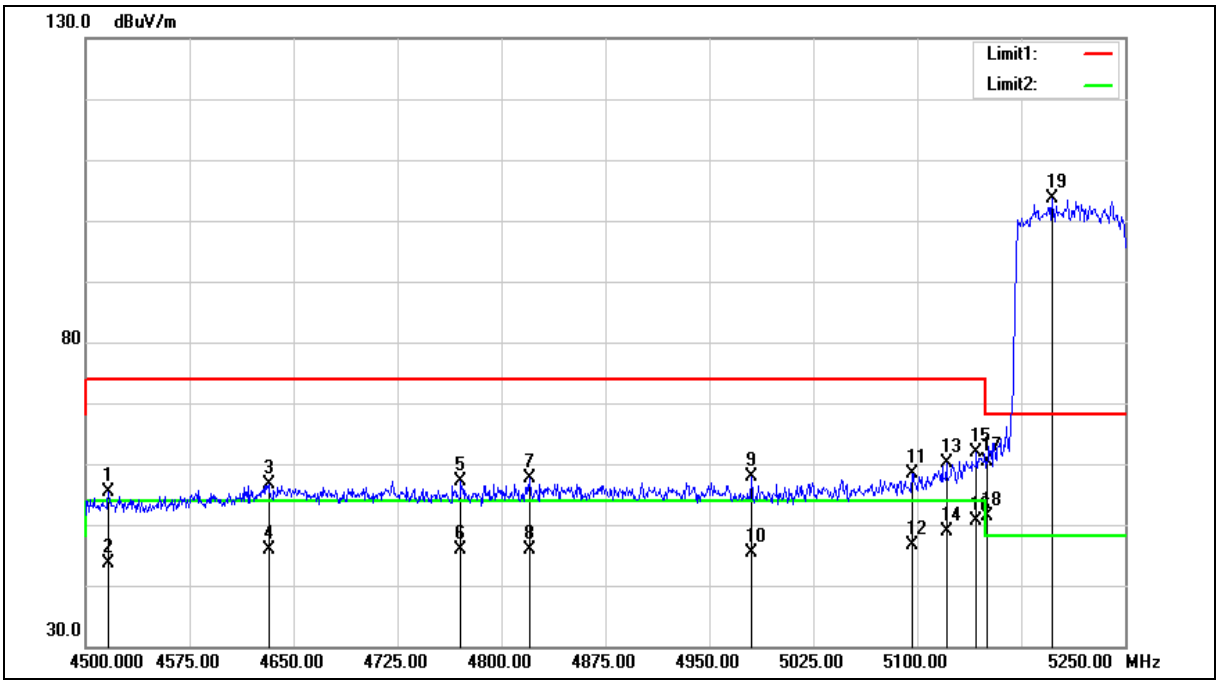
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4614.750	52.69	5.33	58.02	74.00	-15.98	peak
2	4614.750	39.69	5.33	45.02	54.00	-8.98	AVG
3	4719.750	50.51	5.65	56.16	74.00	-17.84	peak
4	4719.750	39.82	5.65	45.47	54.00	-8.53	AVG
5	4835.250	51.22	6.00	57.22	74.00	-16.78	peak
6	4835.250	39.95	6.00	45.95	54.00	-8.05	AVG
7	4959.000	51.42	6.38	57.80	74.00	-16.20	peak
8	4959.000	39.33	6.38	45.71	54.00	-8.29	AVG
9	5026.500	51.35	6.59	57.94	74.00	-16.06	peak
10	5026.500	39.00	6.59	45.59	54.00	-8.41	AVG
11	5051.250	51.21	6.65	57.86	74.00	-16.14	peak
12	5051.250	39.20	6.65	45.85	54.00	-8.15	AVG
13	5071.500	50.74	6.71	57.45	74.00	-16.55	peak
14	5071.500	40.41	6.71	47.12	54.00	-6.88	AVG
15	5112.750	53.60	6.82	60.42	74.00	-13.58	peak
16	5112.750	41.56	6.82	48.38	54.00	-5.62	AVG
17	5143.500	56.64	6.92	63.56	74.00	-10.44	peak
18	5143.500	43.67	6.92	50.59	54.00	-3.41	AVG
19	5150.000	53.65	6.94	60.59	74.00	-13.41	peak
20	5150.000	44.37	6.94	51.31	54.00	-2.69	AVG
21	5194.500	96.71	7.06	103.77	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5210MHz		
Mode:	Mode 8		
Ant.Polar.:	Vertical		

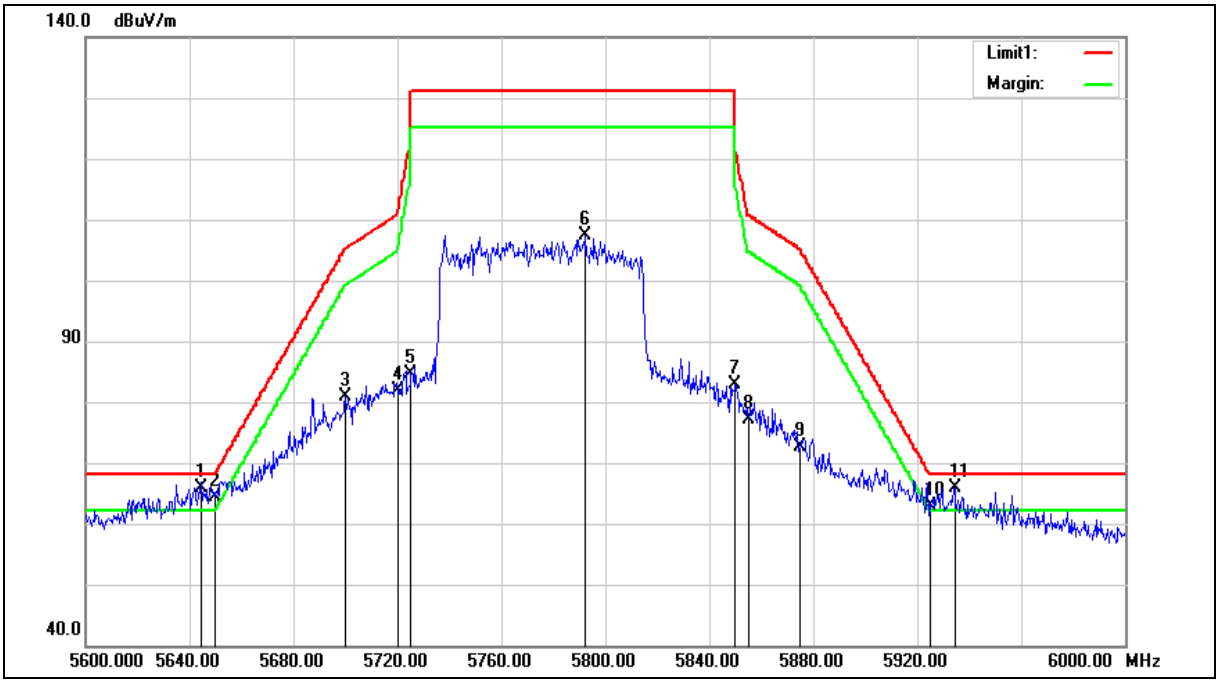
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4516.500	50.42	5.03	55.45	74.00	-18.55	peak
2	4516.500	38.49	5.03	43.52	54.00	-10.48	AVG
3	4632.000	51.18	5.38	56.56	74.00	-17.44	peak
4	4632.000	40.60	5.38	45.98	54.00	-8.02	AVG
5	4770.750	51.37	5.81	57.18	74.00	-16.82	peak
6	4770.750	39.95	5.81	45.76	54.00	-8.24	AVG
7	4820.250	51.61	5.95	57.56	74.00	-16.44	peak
8	4820.250	39.87	5.95	45.82	54.00	-8.18	AVG
9	4980.750	51.39	6.46	57.85	74.00	-16.15	peak
10	4980.750	38.94	6.46	45.40	54.00	-8.60	AVG
11	5096.250	51.63	6.78	58.41	74.00	-15.59	peak
12	5096.250	39.78	6.78	46.56	54.00	-7.44	AVG
13	5121.000	53.33	6.85	60.18	74.00	-13.82	peak
14	5121.000	42.09	6.85	48.94	54.00	-5.06	AVG
15	5142.750	55.05	6.92	61.97	74.00	-12.03	peak
16	5142.750	43.65	6.92	50.57	54.00	-3.43	AVG
17	5150.000	53.49	6.94	60.43	74.00	-13.57	peak
18	5150.000	44.47	6.94	51.41	54.00	-2.59	AVG
19	5197.500	96.61	7.08	103.69	--	--	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge		
Frequency:	5775MHz		
Mode:	Mode 8		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5644.400	57.61	8.22	65.83	68.20	-2.37	peak
2	5650.000	56.10	8.24	64.34	68.20	-3.86	peak
3	5700.000	72.53	8.34	80.87	105.20	-24.33	peak
4	5720.000	73.53	8.38	81.91	110.80	-28.89	peak
5	5725.000	76.31	8.39	84.70	122.20	-37.50	peak
6	5792.400	98.90	8.52	107.42	--	--	peak
7	5850.000	74.36	8.63	82.99	122.20	-39.21	peak
8	5855.000	68.60	8.64	77.24	110.80	-33.56	peak
9	5875.000	64.06	8.69	72.75	105.20	-32.45	peak
10	5925.000	54.05	8.79	62.84	68.20	-5.36	peak
11	5934.400	57.13	8.81	65.94	68.20	-2.26	peak

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

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

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