RF Test Report

Applicant	:	Rajant Corporation
Product Type	:	Radio Module
Trade Name	:	VIZMONET
Model Number	:	RJ-2002
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Received Date	:	Aug. 10, 2021
Test Period	:	Aug. 06, 2021 ~ Feb. 07, 2022
Issued Date	:	May 24, 2022

Issued by

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

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

Revision History

Rev.	Issued Date	Revisions	Revised By
00	May 06, 2022	Initial Issue	Emma Chao
01	May 24, 2022	Update chapter 2 (P.7) Update chapter 3.4 (P.21)	Emma Chao

Verification of Compliance

Applicant	:	Rajant Corporation
Product Type	:	Radio Module
Trade Name	:	VIZMONET
Model Number	:	RJ-2002
FCC ID	:	VJA-RJ2002
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 334025, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330

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 : Kai Yu Yang

(Kai Yu Yang)

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.407(b)(9) 15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Conducted Output Power	PASS	---
15.407(a)	26 dB RF Bandwidth	Reference	---
15.407(e)	6 dB RF Bandwidth	PASS	---
15.407(a)	Maximum Power Spectral Density	PASS	---
15.407(c)	Automatically discontinue transmission	PASS	---
15.407(a) 15.203	Antenna Requirement	PASS	---

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

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

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB
Radiated Emission	9 kHz ~ 30 MHz	2.2 dB
	30 MHz ~ 1000 MHz	5.1 dB
	1000 MHz ~ 18000 MHz	5.2 dB
	18000 MHz ~ 26500 MHz	4.6 dB
	26500 MHz ~ 40000 MHz	4.6 dB
Conducted Output Power		1.1 dB
RF Bandwidth		4.7 %
Power Spectral Density		1.1 dB
Frequency Stability		1.3 x 10^-7
Duty Cycle		1.1 %
Time Occupancy		1.5 %

2 EUT Description

Applicant	Rajant Corporation 200 Chesterfield Parkway, Malvern, Pennsylvania 19355-3258, United States www.rajant.com				
Product Type	Radio Module				
Trade Name	VIZMONET				
Model Number	RJ-2002				
FCC ID	VJA-RJ2002				
Operate Frequency	Frequency Band			Frequency Range (MHz)	Number of Channels
	IEEE 802.11a		U-NII Band 1	5180 – 5240	4
			U-NII Band 2-A	5260 – 5320	4
			U-NII Band 2-C	5500 – 5700	11
			U-NII Band 3	5745 – 5825	5
	IEEE 802.11n 5 GHz 20 MH		U-NII Band 1	5180 – 5240	4
			U-NII Band 2-A	5260 – 5320	4
			U-NII Band 2-C	5500 – 5700	11
			U-NII Band 3	5745 – 5825	5
	IEEE 802.11n 5 GHz 40 MHz		U-NII Band 1	5190 – 5230	2
			U-NII Band 2-A	5270 – 5310	2
			U-NII Band 2-C	5510 – 5670	5
			U-NII Band 3	5755 – 5795	2
Modulation Type	OFDM				
Equipment Type	Master				
Antenna information	Antenna	Model Number	Type	Max. Gain (dBi)	
	ANT-0 / ANT-1	KMA-5250-7-NM	External type (Omni-directional)	U-NII Band 1	7
				U-NII Band 2-A	7
		KMA-5550-6-NM		U-NII Band 2-C	6
		KMA-5800-6-NM		U-NII Band 3	6
	Note.Modular connectors meet the unique connector requirments of Part 15.203.				
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	-40 ~ +85 ℃				
EUT Power Rating	DC 24 V				

SISO

Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band 1	0.192
	U-NII Band 2-A	0.110
	U-NII Band 2-C	0.136
	U-NII Band 3	0.429
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	0.193
	U-NII Band 2-A	0.119
	U-NII Band 2-C	0.167
	U-NII Band 3	0.450
IEEE 802.11n 5 GHz 40 MHz	U-NII Band 1	0.204
	U-NII Band 2-A	0.146
	U-NII Band 2-C	0.129
	U-NII Band 3	0.175

MIMO

Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band 1	0.196
	U-NII Band 2-A	0.127
	U-NII Band 2-C	0.162
	U-NII Band 3	0.586
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	0.183
	U-NII Band 2-A	0.128
	U-NII Band 2-C	0.166
	U-NII Band 3	0.673
IEEE 802.11n 5 GHz 40 MHz	U-NII Band 1	0.149
	U-NII Band 2-A	0.158
	U-NII Band 2-C	0.092
	U-NII Band 3	0.100

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

3 Test Methodology

3.1. Mode of Operation

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

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

Note : ANT-1 is the worst case in the Mode 2 / Mode 3 / Mode 4 (For SISO 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.

SISO

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	1TX (Diversity)	6	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
Mode 3	1TX (Diversity)	6.5	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
Mode 4	1TX (Diversity)	13.5	U-NII Band 1	38, 46
			U-NII Band 2-A	54, 62
			U-NII Band 2-C	102, 110, 134
			U-NII Band 3	151,159

MIMO

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	2TX (STBC)	6	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
Mode 3	2TX (STBC)	13	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
Mode 4	2TX (STBC)	27	U-NII Band 1	38, 46
			U-NII Band 2-A	54, 62
			U-NII Band 2-C	102, 110, 134
			U-NII Band 3	151,159

SISO

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	2.045	2.080	0.983	0.074	0.010
Mode 3	5180	0.975	1.011	0.964	0.157	1.026
Mode 4	5190	0.494	0.520	0.950	0.224	2.026

MIMO

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	2.035	2.055	0.990	0.042	0.010
Mode 3	5180	0.978	1.014	0.964	0.157	1.022
Mode 4	5190	0.497	0.521	0.953	0.209	2.013

SISO

Duty Cycle Graphs

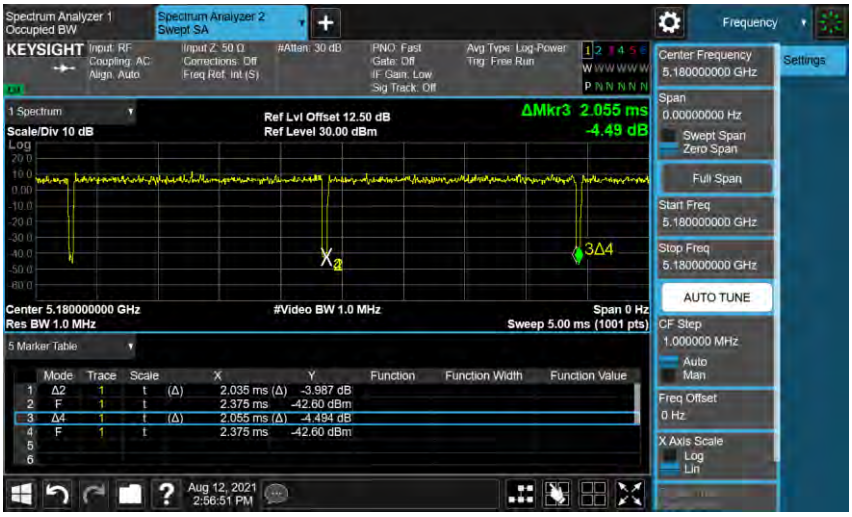
Mode 2: IEEE 802.11a Continuous TX Mode	
On+off time	

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode	
On+off time	

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode	
On+off time	

MIMO

Duty Cycle Graphs

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

Mode 3: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode	
On+off time	

Mode 4: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode	
On+off time	

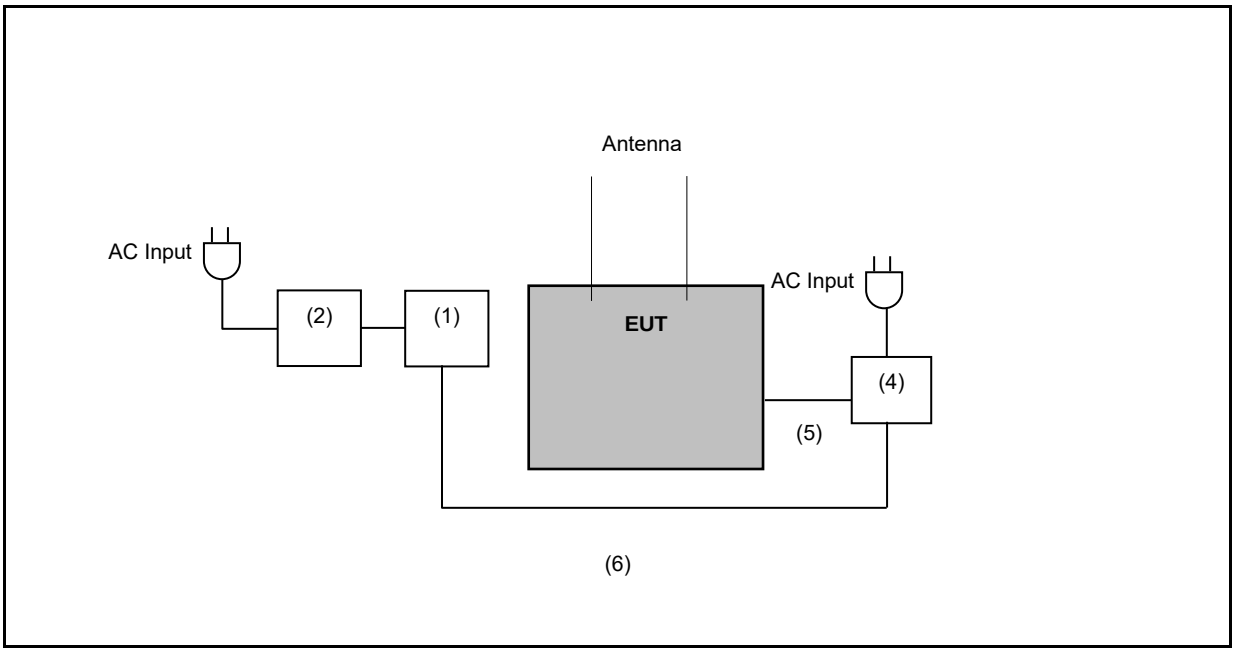
3.2. EUT Test Step

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.

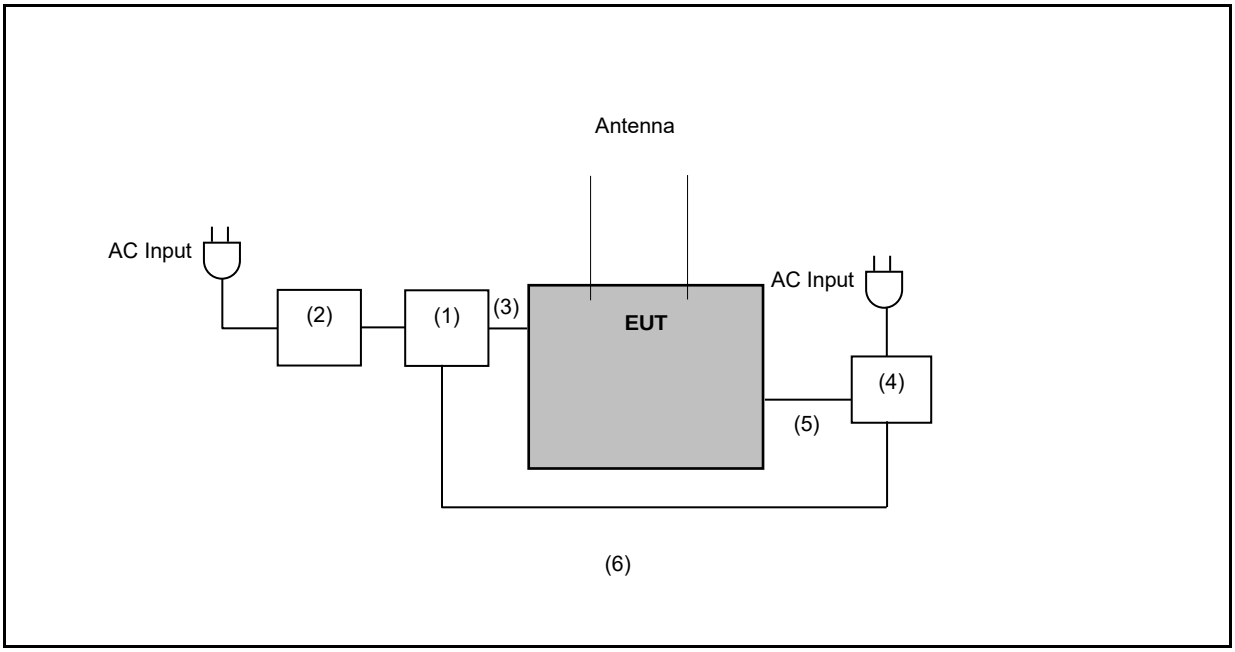
1.	Setup the EUT shown on “Configuration of Test System Details”.
2.	Turn on the power of all equipment.
3.	Turn on TX function.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conducted Emissions



Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Remark
(1)	Notebook	ASUS	P1448U	---	---
(2)	AC Adapter	ASUS	PA-1650-78	---	---
(3)	Fixture	FTDI	TTL-232R-3.3V	---	---
(4)	PoE	Tycon Systems	TP-POE-24G	---	---
(5)	LAN Cable	BELDEN	900000433	---	---
(6)	LAN Cable	HUAWEI	UL2464	---	---

3.4. Test Instruments

For Conducted Emission
Test Period: Oct. 06, 2021
Testing Engineer: JS Liao

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESCI	100367	May 21, 2021	1 year
☐	Test Receiver	R&S	ESCI	100722	Oct. 28, 2020	1 year
☐	Test Receiver	R&S	ESCI	101000	Nov. 27, 2020	1 year
☒	LISN	R&S	ENV216	101040	Mar. 29, 2021	1 year
☒	LISN	R&S	ENV216	101041	Apr. 08, 2021	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	May 28, 2021	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted
Test Period: Aug. 11, 2021 ~ Feb. 07, 2022
Testing Engineer: Brian Lin

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA2411B	1126022	Sep. 01, 2020 Sep. 03, 2021	1 year
☒	Power Meter	Anritsu	ML2495A	1135009	Sep. 01, 2020 Sep. 03, 2021	1 year
☐	Power Sensor	Agilent	N1921A	MY45241957	Dec. 09, 2020 Dec. 06, 2021	1 year
☐	Power Meter	Agilent	N1911A	MY45101619	Dec. 09, 2020 Dec. 06, 2021	1 year
☒	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Mar. 17, 2021	1 year
☐	Spectrum Analyzer (9 kHz~26.5 GHz)	Agilent	N9010A	MY48030518	Jul. 23, 2021	1 year
☐	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 24, 2020 Sep. 09, 2021	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 08, 2021 Jan. 05, 2022	1 year
☐	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	Mar. 30, 2021	1 year
☐	Signal Generator	Keysight	N5182B	MY53052569	Apr. 20, 2021	1 year
☐	Signal Generator	Keysight	N5182BX07	MY59360221	Apr. 20, 2021	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 17, 2021	2 years
☐	Wireless Connectivity Tester	R&S	CMW270	102208	Jun. 02, 2021	1 year
☐	Power Supply	KEITHLEY	2303	4045290	Feb. 01, 2021 Jan. 19, 2022	1 year
☐	RF Communication Test Set	HP	8920A	3344A03297	Aug. 10, 2021	1 year

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

For Radiated Emissions
Test Period: Aug. 06, 2021 ~ Jan. 27, 2022
Testing Engineer: Hung Chou, Pink Li, Marc Yeh, Eva Lee

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	Jan. 15, 2021 Jan. 13, 2022	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 08, 2022 Jan. 05, 2022	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	Apr. 19, 2021	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 19, 2021 Jan. 14, 2022	1 year
☐	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A10961	Jul. 06, 2021	1 year
☐	Broadband Amplifier (100 kHz~1 GHz)	Titan	T0910E00014330A1F	001	Jul. 23, 2021	1 year
☐	Amplifier (1 GHz~26.5 GHz)	Agilent	8449B	3008A02237	Oct. 21, 2020 Oct. 21, 2021	1 year
☒	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025A1F	002	Jul. 26, 2021	1 year
☒	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	Aug. 18, 2020 Aug. 19, 2021	1 year
☒	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	Apr. 07, 2021	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jul. 19, 2021	1 year
☐	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	416	Nov. 11, 2020 Nov. 17, 2021	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 09, 2021	1 year
☐	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	Aug. 17, 2020 Aug. 24, 2021	1 year
☒	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 18, 2020 Aug. 24, 2021	1 year
☐	Horn Antenna (18 GHz~40 GHz)	ETS	3116	00086467	Dec. 03, 2020 Dec. 03, 2021	1 year
☐	RF Cable	EMCI	EMC104-N-N-6000	TE01-1	Feb. 19, 2021	1 year
☐	Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	Feb. 19, 2021	1 year
☐	Microwave Cable	EMCI	EMC102-KM-KM-14000	151001	Feb. 19, 2021	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A100	J11005	Aug. 13, 2020 Aug. 06, 2021	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A900	J11004	Aug. 13, 2020 Aug. 06, 2021	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 13, 2020 Aug. 06, 2021	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 17, 2021	2 years
☐	Wireless Connectivity Tester	R&S	CMW270	102208	Jun. 02, 2021	1 year
☐	Power Supply	KEITHLEY	2303	4045290	Feb. 01, 2021 Jan. 19, 2022	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

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

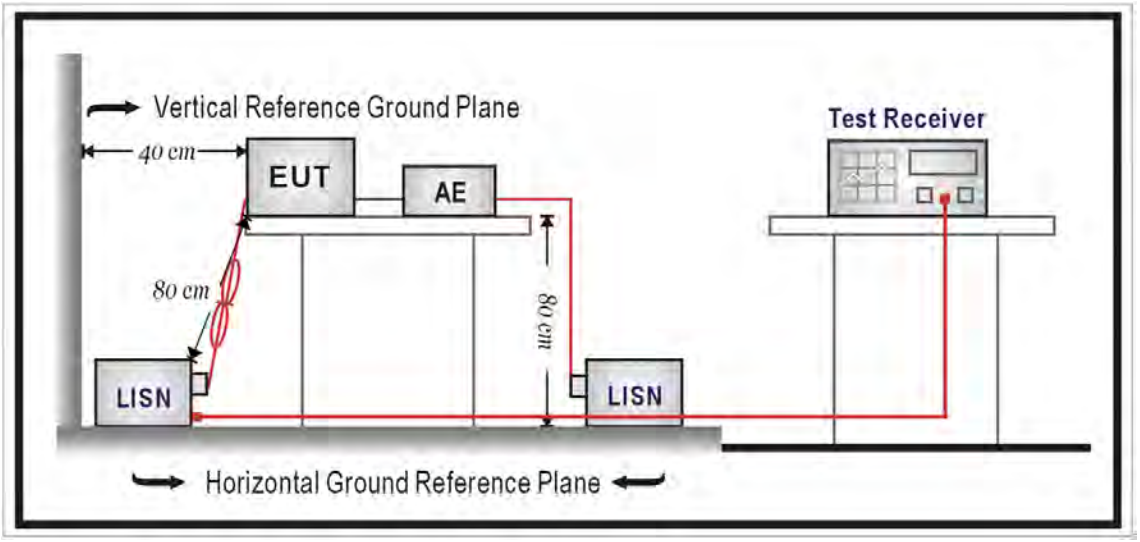
4 Measurement Procedure

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)(9) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

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

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

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

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

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

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

(2)Limits of Radiated Emission Measurement

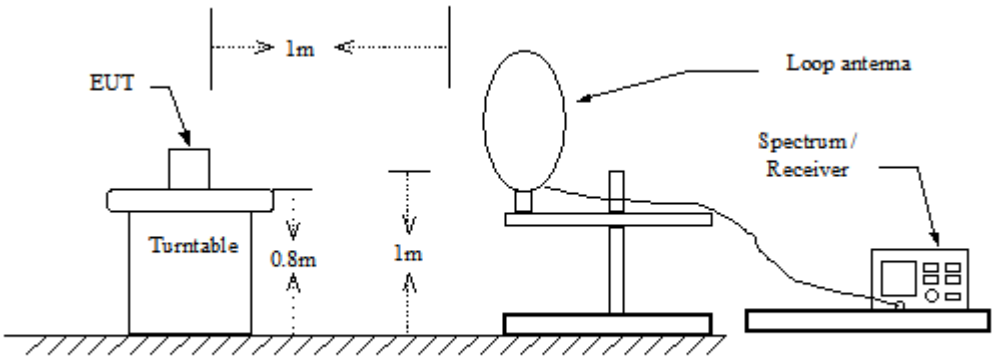
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

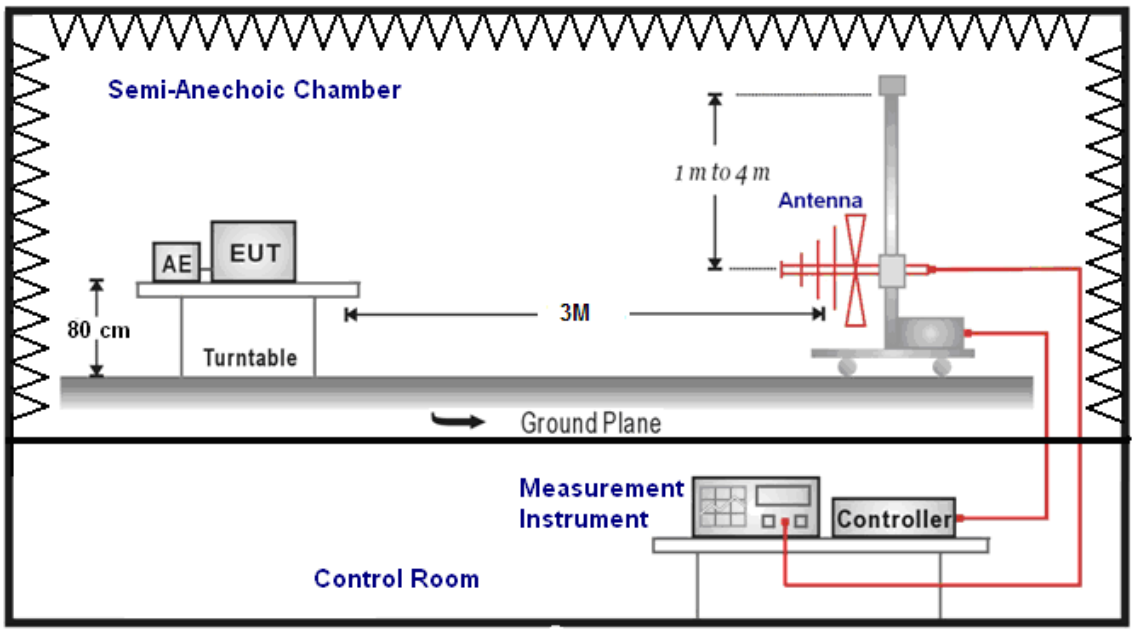
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed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

■ **Setup**

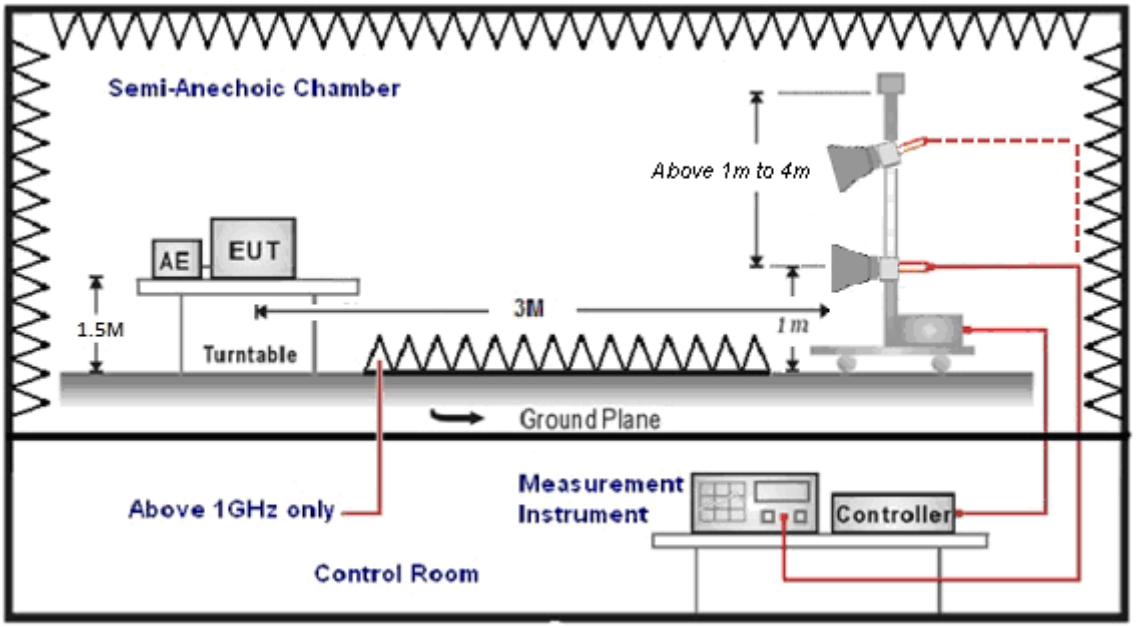
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz


Semi-Anechoic Chamber
Above 1m to 4m
AE
EUT
1.5M
3M
1 m
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).

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

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

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

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

Measuring Instruments and setting

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

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

4.3. Maximum Conducted Output Power & Transmit power control Measurement & Additional Rule For Outdoor Operation

■ **Limit**

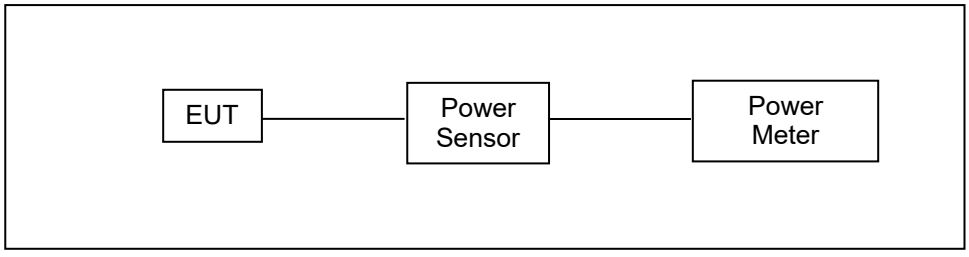
Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit	Max_EIRP at any elevation angle > 30° form horizen
	Master	Outdoor AP Operation
5.150 ~ 5.250 GHz	The lesser of 1 W (30 dBm)	< 125 mW (21 dBm)
5.250 ~ 5.350 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)	N/A
5.470 ~ 5.725 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)	N/A
5.725 ~ 5.850 GHz	The lesser of 1 W (30 dBm)	N/A

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

IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11n 5 GHz 40 MHz
Band I：
∗ Directional Gain = G_{ANT} = 7 dBi > 6 dBi
∗ Power Limit = 30 - 1 = 29 dBm

Band II-A：
∗ Directional Gain = G_{ANT} = 7 dBi > 6 dBi
∗ Power Limit = 24 - 1 = 23 dBm

■ **Test Setup**



■ **Test Procedure**

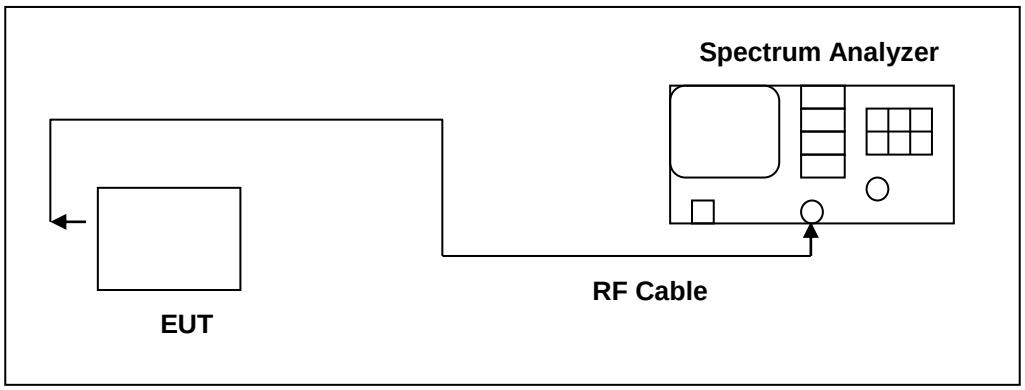
The test is performed in accordance with ANSI C63.10:2013 section 12.3.3.2, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices
Section (E) Maximum Conducted Output Power
3. Measurement using a Power Meter (PM)
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

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

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

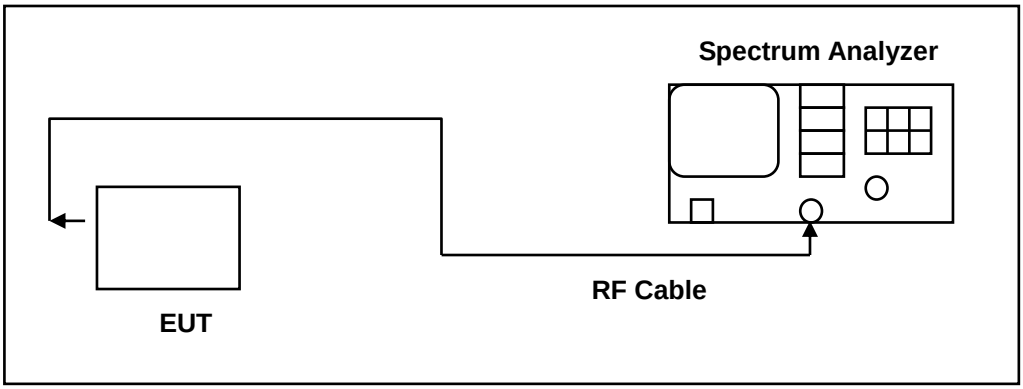
4.5. 6 dB RF Bandwidth Measurement

■ **Limit**

6 dB RF Bandwidth

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

■ **Test Setup**



■ **Test Procedure**

6 dB RF Bandwidth

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

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

The test was performed at 3 channels.

4.6. Maximum Power Spectral Density Measurement

■ **Limit**

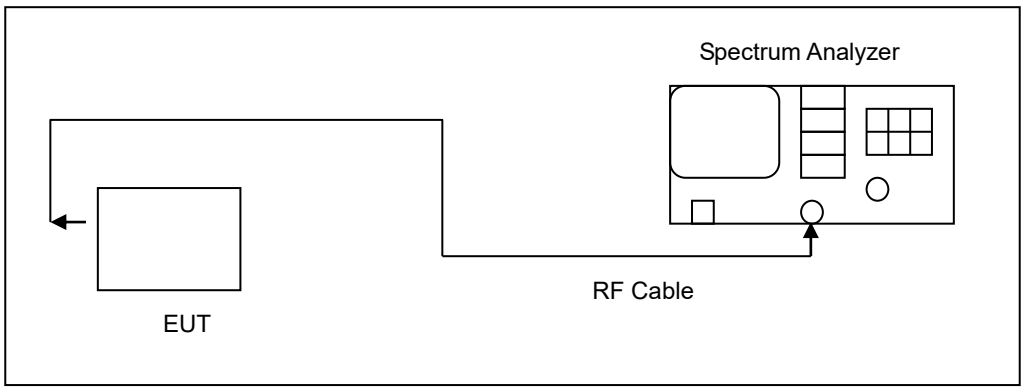
Frequency Range (MHz)	FCC Limit
	Master
5.150 ~ 5.250 GHz	17 dBm/MHz
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.725 GHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz

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

IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11n 5 GHz 40 MHz
Band I：
∗ Directional Gain = GANT = 7 dBi > 6 dBi
∗ Conducted Power Spectral Density Limit = 17 - 1 = 16 dBm/MHz

Band II-A：
∗ Directional Gain = GANT = 7 dBi > 6 dBi
∗ Conducted Power Spectral Density Limit = 11 - 1 = 10 dBm/MHz

■ **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

- **Requirement**

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.

SISO

■ **Directional Gain Calculated**

Directional Gain = Max. Gain

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6

MIMO

■ **Directional Gain Calculated**

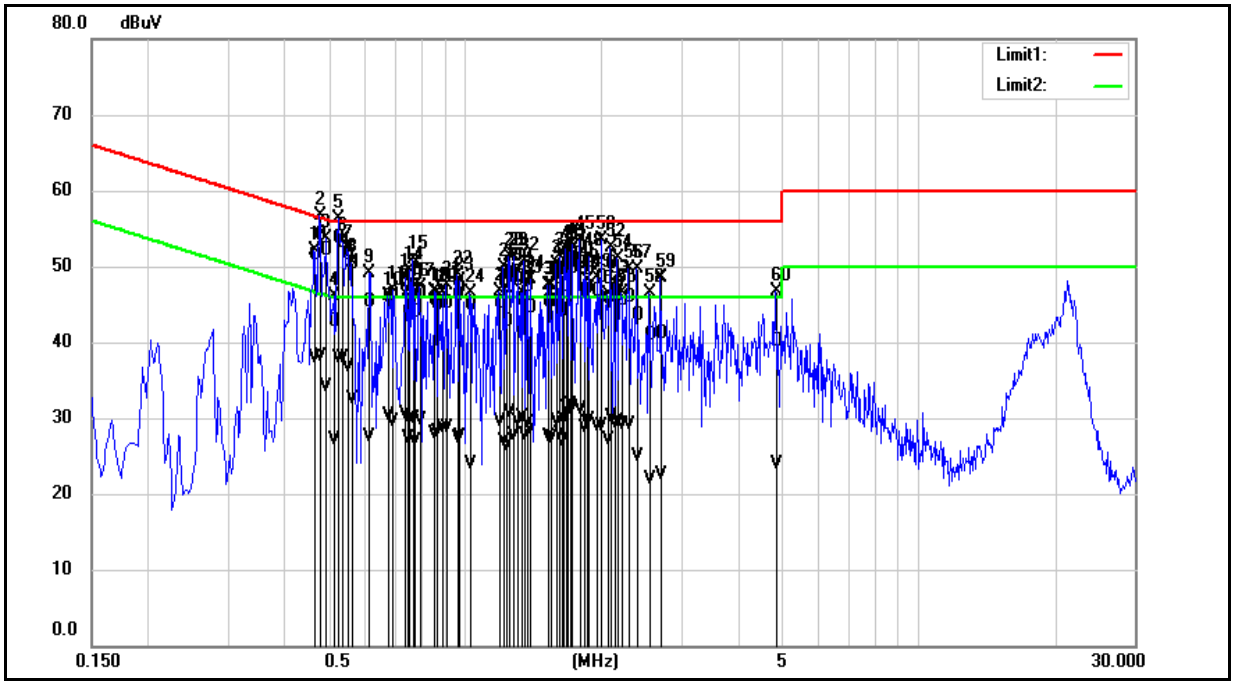
Directional Gain = GANT

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6
IEEE 802.11n 5 GHz 20 MHz	U-NII Band 1	7
	U-NII Band 2-A	7
	U-NII Band 2-C	6
	U-NII Band 3	6

5 Test Results

5.1. Conducted Emission

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



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

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4660	41.74	28.19	9.74	51.48	37.93	56.58	46.58	-5.10	-8.65	Pass
2	0.4780	44.39	28.29	9.74	54.13	38.03	56.37	46.37	-2.24	-8.34	Pass
3	0.4940	42.44	24.33	9.74	52.18	34.07	56.10	46.10	-3.92	-12.03	Pass
4	0.5140	33.03	17.31	9.74	42.77	27.05	56.00	46.00	-13.23	-18.95	Pass
5	0.5260	43.90	28.15	9.74	53.64	37.89	56.00	46.00	-2.36	-8.11	Pass
6	0.5340	43.33	28.18	9.74	53.07	37.92	56.00	46.00	-2.93	-8.08	Pass
7	0.5500	41.69	27.06	9.74	51.43	36.80	56.00	46.00	-4.57	-9.20	Pass
8	0.5620	40.58	22.75	9.74	50.32	32.49	56.00	46.00	-5.68	-13.51	Pass
9	0.6140	35.58	17.72	9.74	45.32	27.46	56.00	46.00	-10.68	-18.54	Pass
10	0.6740	36.22	20.46	9.75	45.97	30.21	56.00	46.00	-10.03	-15.79	Pass
11	0.6940	36.58	19.77	9.75	46.33	29.52	56.00	46.00	-9.67	-16.48	Pass
12	0.7380	37.46	20.78	9.75	47.21	30.53	56.00	46.00	-8.79	-15.47	Pass
13	0.7460	34.07	17.54	9.75	43.82	27.29	56.00	46.00	-12.18	-18.71	Pass
14	0.7540	36.58	19.87	9.75	46.33	29.62	56.00	46.00	-9.67	-16.38	Pass
15	0.7660	37.38	20.21	9.75	47.13	29.96	56.00	46.00	-8.87	-16.04	Pass
16	0.7740	34.11	17.08	9.75	43.86	26.83	56.00	46.00	-12.14	-19.17	Pass
17	0.7940	36.75	19.86	9.75	46.50	29.61	56.00	46.00	-9.50	-16.39	Pass
18	0.8540	35.83	18.21	9.75	45.58	27.96	56.00	46.00	-10.42	-18.04	Pass
19	0.8660	35.09	18.29	9.75	44.84	28.04	56.00	46.00	-11.16	-17.96	Pass
20	0.8900	35.32	18.98	9.76	45.08	28.74	56.00	46.00	-10.92	-17.26	Pass
21	0.9060	35.25	18.96	9.76	45.01	28.72	56.00	46.00	-10.99	-17.28	Pass
22	0.9620	36.40	17.63	9.76	46.16	27.39	56.00	46.00	-9.84	-18.61	Pass
23	0.9740	37.39	17.74	9.76	47.15	27.50	56.00	46.00	-8.85	-18.50	Pass
24	1.0220	35.17	14.06	9.76	44.93	23.82	56.00	46.00	-11.07	-22.18	Pass
25	1.1900	35.40	19.80	9.77	45.17	29.57	56.00	46.00	-10.83	-16.43	Pass
26	1.2140	38.08	17.17	9.77	47.85	26.94	56.00	46.00	-8.15	-19.06	Pass
27	1.2340	32.85	16.51	9.77	42.62	26.28	56.00	46.00	-13.38	-19.72	Pass
28	1.2460	39.16	20.97	9.77	48.93	30.74	56.00	46.00	-7.07	-15.26	Pass

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

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
29	1.2820	38.68	17.95	9.77	48.45	27.72	56.00	46.00	-7.55	-18.28	Pass
30	1.3060	38.37	19.81	9.77	48.14	29.58	56.00	46.00	-7.86	-16.42	Pass
31	1.3260	35.77	20.33	9.77	45.54	30.10	56.00	46.00	-10.46	-15.90	Pass
32	1.3460	38.49	17.98	9.77	48.26	27.75	56.00	46.00	-7.74	-18.25	Pass
33	1.3740	37.54	19.51	9.77	47.31	29.28	56.00	46.00	-8.69	-16.72	Pass
34	1.3940	34.66	18.79	9.77	44.43	28.56	56.00	46.00	-11.57	-17.44	Pass
35	1.5220	35.49	17.75	9.79	45.28	27.54	56.00	46.00	-10.72	-18.46	Pass
36	1.5380	35.59	17.52	9.79	45.38	27.31	56.00	46.00	-10.62	-18.69	Pass
37	1.5860	39.21	19.80	9.79	49.00	29.59	56.00	46.00	-7.00	-16.41	Pass
38	1.6140	37.00	18.13	9.79	46.79	27.92	56.00	46.00	-9.21	-18.08	Pass
39	1.6340	34.30	17.20	9.79	44.09	26.99	56.00	46.00	-11.91	-19.01	Pass
40	1.6500	37.52	19.95	9.79	47.31	29.74	56.00	46.00	-8.69	-16.26	Pass
41	1.6700	40.40	21.52	9.79	50.19	31.31	56.00	46.00	-5.81	-14.69	Pass
42	1.6820	39.52	20.93	9.79	49.31	30.72	56.00	46.00	-6.69	-15.28	Pass
43	1.7060	40.64	21.96	9.79	50.43	31.75	56.00	46.00	-5.57	-14.25	Pass
44	1.7180	39.91	21.42	9.79	49.70	31.21	56.00	46.00	-6.30	-14.79	Pass
45	1.7900	40.52	21.38	9.79	50.31	31.17	56.00	46.00	-5.69	-14.83	Pass
46	1.8380	36.61	18.82	9.80	46.41	28.62	56.00	46.00	-9.59	-17.38	Pass
47	1.8540	37.36	19.58	9.80	47.16	29.38	56.00	46.00	-8.84	-16.62	Pass
48	1.8780	39.62	19.95	9.80	49.42	29.75	56.00	46.00	-6.58	-16.25	Pass
49	1.9500	36.86	19.18	9.80	46.66	28.98	56.00	46.00	-9.34	-17.02	Pass
50	1.9980	38.74	19.04	9.80	48.54	28.84	56.00	46.00	-7.46	-17.16	Pass
51	2.0620	35.93	17.33	9.80	45.73	27.13	56.00	46.00	-10.27	-18.87	Pass
52	2.0980	40.49	20.23	9.80	50.29	30.03	56.00	46.00	-5.71	-15.97	Pass
53	2.1380	36.89	19.59	9.80	46.69	29.39	56.00	46.00	-9.31	-16.61	Pass
54	2.1580	37.82	19.71	9.80	47.62	29.51	56.00	46.00	-8.38	-16.49	Pass
55	2.2020	35.61	19.40	9.80	45.41	29.20	56.00	46.00	-10.59	-16.80	Pass
56	2.2900	36.19	19.33	9.80	45.99	29.13	56.00	46.00	-10.01	-16.87	Pass

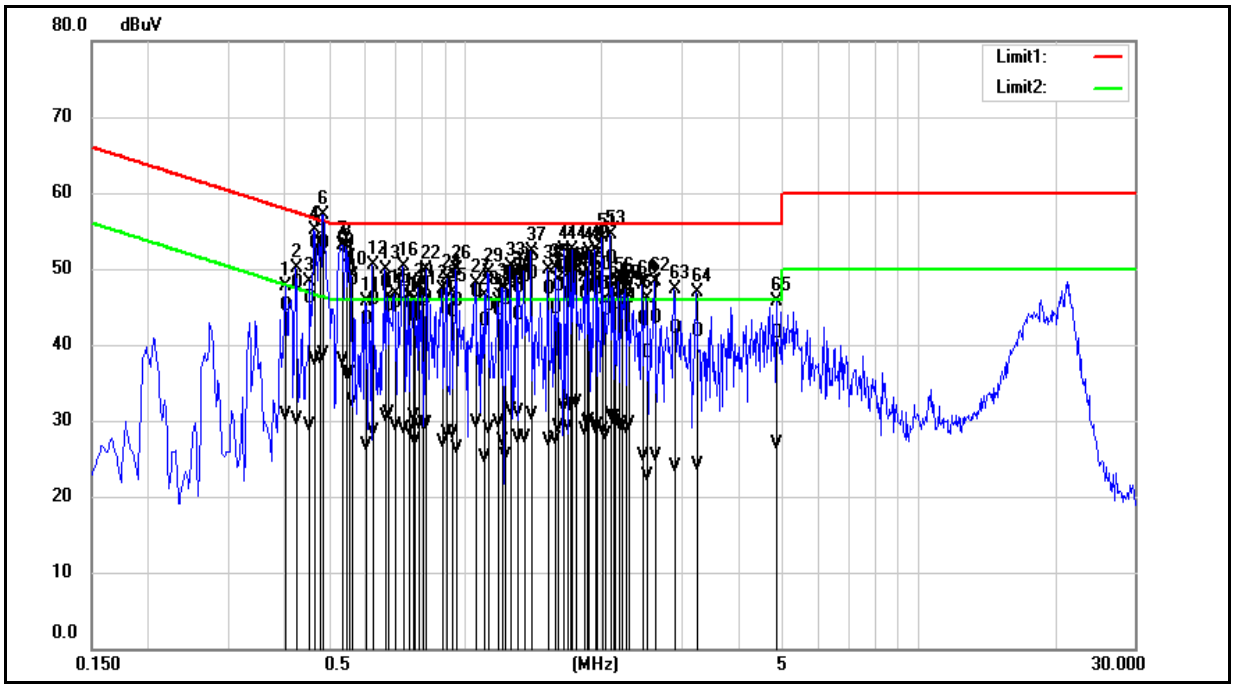
Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test Mode:	Mode 1		
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
57	2.3900	33.60	15.08	9.81	43.41	24.89	56.00	46.00	-12.59	-21.11	Pass
58	2.5460	31.10	12.03	9.81	40.91	21.84	56.00	46.00	-15.09	-24.16	Pass
59	2.6980	31.32	12.74	9.81	41.13	22.55	56.00	46.00	-14.87	-23.45	Pass
60	4.8300	30.30	14.11	9.87	40.17	23.98	56.00	46.00	-15.83	-22.02	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
Test Mode:	Mode 1		
Description:			



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

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4020	35.44	20.95	9.73	45.17	30.68	57.81	47.81	-12.64	-17.13	Pass
2	0.4220	38.39	20.40	9.73	48.12	30.13	57.41	47.41	-9.29	-17.28	Pass
3	0.4540	36.36	19.50	9.73	46.09	29.23	56.80	46.80	-10.71	-17.57	Pass
4	0.4660	43.67	28.14	9.73	53.40	37.87	56.58	46.58	-3.18	-8.71	Pass
5	0.4780	42.51	28.28	9.73	52.24	38.01	56.37	46.37	-4.13	-8.36	Pass
6	0.4860	43.57	29.00	9.73	53.30	38.73	56.24	46.24	-2.94	-7.51	Pass
7	0.5340	44.12	28.14	9.73	53.85	37.87	56.00	46.00	-2.15	-8.13	Pass
8	0.5460	42.97	26.38	9.73	52.70	36.11	56.00	46.00	-3.30	-9.89	Pass
9	0.5540	40.67	26.36	9.73	50.40	36.09	56.00	46.00	-5.60	-9.91	Pass
10	0.5620	38.72	22.80	9.73	48.45	32.53	56.00	46.00	-7.55	-13.47	Pass
11	0.6020	33.52	17.00	9.73	43.25	26.73	56.00	46.00	-12.75	-19.27	Pass
12	0.6260	36.23	18.84	9.74	45.97	28.58	56.00	46.00	-10.03	-17.42	Pass
13	0.6660	38.34	20.71	9.74	48.08	30.45	56.00	46.00	-7.92	-15.55	Pass
14	0.6740	35.39	21.07	9.74	45.13	30.81	56.00	46.00	-10.87	-15.19	Pass
15	0.6980	35.82	19.56	9.74	45.56	29.30	56.00	46.00	-10.44	-16.70	Pass
16	0.7300	37.01	19.06	9.75	46.76	28.81	56.00	46.00	-9.24	-17.19	Pass
17	0.7500	35.84	18.95	9.75	45.59	28.70	56.00	46.00	-10.41	-17.30	Pass
18	0.7660	34.05	20.84	9.75	43.80	30.59	56.00	46.00	-12.20	-15.41	Pass
19	0.7740	34.95	17.52	9.75	44.70	27.27	56.00	46.00	-11.30	-18.73	Pass
20	0.7900	35.09	19.67	9.75	44.84	29.42	56.00	46.00	-11.16	-16.58	Pass
21	0.8060	35.99	19.66	9.75	45.74	29.41	56.00	46.00	-10.26	-16.59	Pass
22	0.8180	36.43	19.73	9.75	46.18	29.48	56.00	46.00	-9.82	-16.52	Pass
23	0.8860	36.50	17.42	9.76	46.26	27.18	56.00	46.00	-9.74	-18.82	Pass
24	0.9100	37.32	18.61	9.76	47.08	28.37	56.00	46.00	-8.92	-17.63	Pass
25	0.9380	34.52	18.45	9.76	44.28	28.21	56.00	46.00	-11.72	-17.79	Pass
26	0.9540	35.90	16.52	9.76	45.66	26.28	56.00	46.00	-10.34	-19.72	Pass
27	1.0500	37.09	19.94	9.76	46.85	29.70	56.00	46.00	-9.15	-16.30	Pass
28	1.1020	33.38	15.43	9.76	43.14	25.19	56.00	46.00	-12.86	-20.81	Pass

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

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
29	1.1180	35.35	19.06	9.76	45.11	28.82	56.00	46.00	-10.89	-17.18	Pass
30	1.1820	34.70	19.94	9.77	44.47	29.71	56.00	46.00	-11.53	-16.29	Pass
31	1.2100	36.81	17.49	9.77	46.58	27.26	56.00	46.00	-9.42	-18.74	Pass
32	1.2260	36.17	15.59	9.77	45.94	25.36	56.00	46.00	-10.06	-20.64	Pass
33	1.2580	38.85	21.49	9.77	48.62	31.26	56.00	46.00	-7.38	-14.74	Pass
34	1.3020	34.14	17.98	9.77	43.91	27.75	56.00	46.00	-12.09	-18.25	Pass
35	1.3100	37.81	21.42	9.77	47.58	31.19	56.00	46.00	-8.42	-14.81	Pass
36	1.3460	39.13	17.92	9.77	48.90	27.69	56.00	46.00	-7.10	-18.31	Pass
37	1.4020	39.60	20.93	9.77	49.37	30.70	56.00	46.00	-6.63	-15.30	Pass
38	1.5220	37.46	17.47	9.79	47.25	27.26	56.00	46.00	-8.75	-18.74	Pass
39	1.5820	34.91	17.63	9.79	44.70	27.42	56.00	46.00	-11.30	-18.58	Pass
40	1.6020	37.85	19.29	9.79	47.64	29.08	56.00	46.00	-8.36	-16.92	Pass
41	1.6540	40.29	21.88	9.79	50.08	31.67	56.00	46.00	-5.92	-14.33	Pass
42	1.6740	36.65	19.46	9.79	46.44	29.25	56.00	46.00	-9.56	-16.75	Pass
43	1.7060	38.92	22.21	9.79	48.71	32.00	56.00	46.00	-7.29	-14.00	Pass
44	1.7220	40.76	22.54	9.79	50.55	32.33	56.00	46.00	-5.45	-13.67	Pass
45	1.7500	40.84	22.49	9.79	50.63	32.28	56.00	46.00	-5.37	-13.72	Pass
46	1.8380	36.84	18.94	9.80	46.64	28.74	56.00	46.00	-9.36	-17.26	Pass
47	1.8540	37.70	19.85	9.80	47.50	29.65	56.00	46.00	-8.50	-16.35	Pass
48	1.8780	39.91	20.13	9.80	49.71	29.93	56.00	46.00	-6.29	-16.07	Pass
49	1.9300	38.63	19.09	9.80	48.43	28.89	56.00	46.00	-7.57	-17.11	Pass
50	1.9500	37.45	19.51	9.80	47.25	29.31	56.00	46.00	-8.75	-16.69	Pass
51	2.0020	38.10	18.82	9.80	47.90	28.62	56.00	46.00	-8.10	-17.38	Pass
52	2.0380	34.70	18.21	9.80	44.50	28.01	56.00	46.00	-11.50	-17.99	Pass
53	2.0980	41.48	20.81	9.80	51.28	30.61	56.00	46.00	-4.72	-15.39	Pass
54	2.1180	36.41	20.48	9.80	46.21	30.28	56.00	46.00	-9.79	-15.72	Pass
55	2.1340	35.53	19.97	9.80	45.33	29.77	56.00	46.00	-10.67	-16.23	Pass
56	2.1820	37.97	19.75	9.80	47.77	29.55	56.00	46.00	-8.23	-16.45	Pass

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

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
57	2.2020	35.24	19.47	9.80	45.04	29.27	56.00	46.00	-10.96	-16.73	Pass
58	2.2500	37.25	19.01	9.80	47.05	28.81	56.00	46.00	-8.95	-17.19	Pass
59	2.2900	36.27	19.65	9.80	46.07	29.45	56.00	46.00	-9.93	-16.55	Pass
60	2.4500	33.53	15.51	9.81	43.34	25.32	56.00	46.00	-12.66	-20.68	Pass
61	2.5060	29.06	12.82	9.82	38.88	22.64	56.00	46.00	-17.12	-23.36	Pass
62	2.6220	33.72	15.39	9.82	43.54	25.21	56.00	46.00	-12.46	-20.79	Pass
63	2.8900	32.24	14.10	9.82	42.06	23.92	56.00	46.00	-13.94	-22.08	Pass
64	3.2340	31.83	14.37	9.83	41.66	24.20	56.00	46.00	-14.34	-21.80	Pass
65	4.8500	31.54	16.93	9.88	41.42	26.81	56.00	46.00	-14.58	-19.19	Pass

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

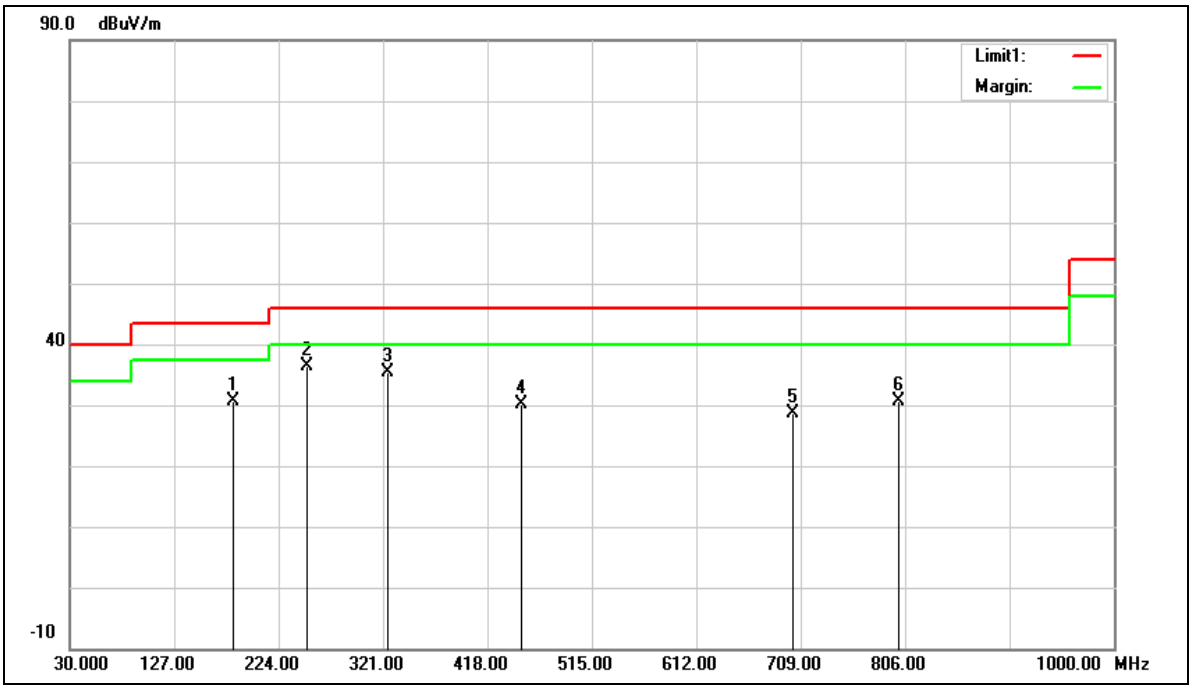
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Radiated Emission Measurement

SISO

Below 1 GHz

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



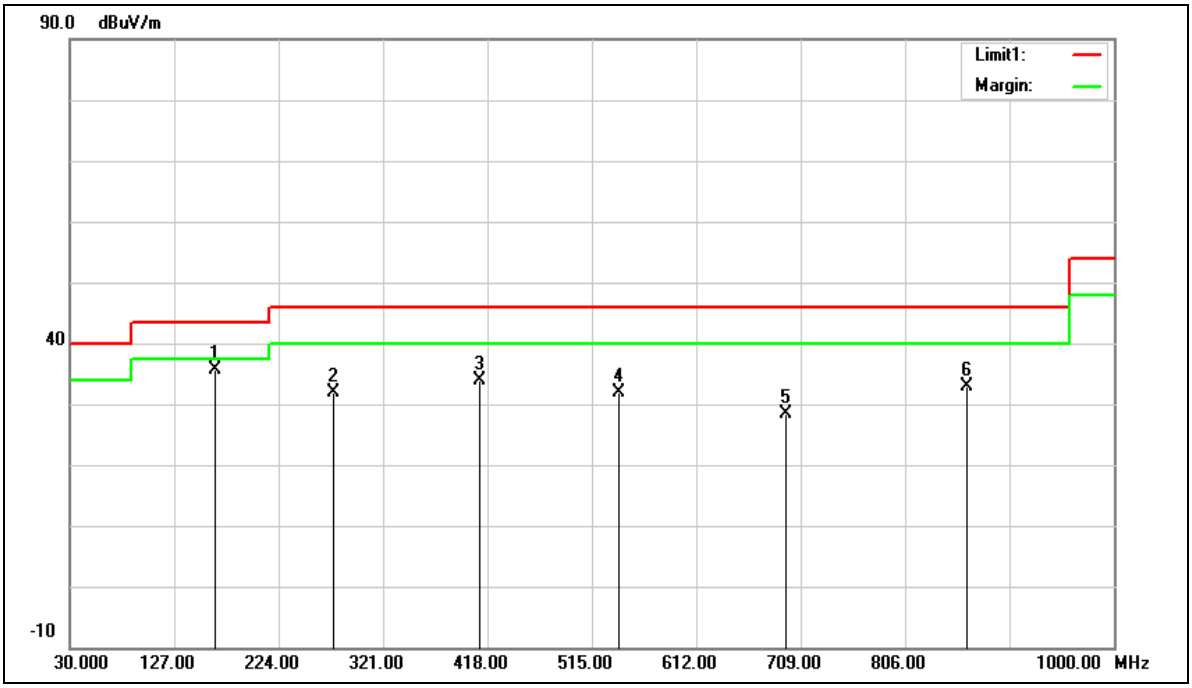
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	182.2900	55.67	-25.07	30.60	43.50	-12.90	QP
2	250.1900	60.69	-24.26	36.43	46.00	-9.57	QP
3	324.8800	57.51	-22.23	35.28	46.00	-10.72	QP
4	450.0100	49.07	-18.95	30.12	46.00	-15.88	QP
5	701.2400	42.28	-13.77	28.51	46.00	-17.49	QP
6	800.1800	42.66	-12.11	30.55	46.00	-15.45	QP

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	164.8300	59.16	-23.54	35.62	43.50	-7.88	QP
2	275.4100	55.30	-23.42	31.88	46.00	-14.12	QP
3	410.2400	53.55	-19.70	33.85	46.00	-12.15	QP
4	540.2200	49.13	-17.19	31.94	46.00	-14.06	QP
5	695.4200	42.26	-13.88	28.38	46.00	-17.62	QP
6	863.2300	44.22	-11.36	32.86	46.00	-13.14	QP

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

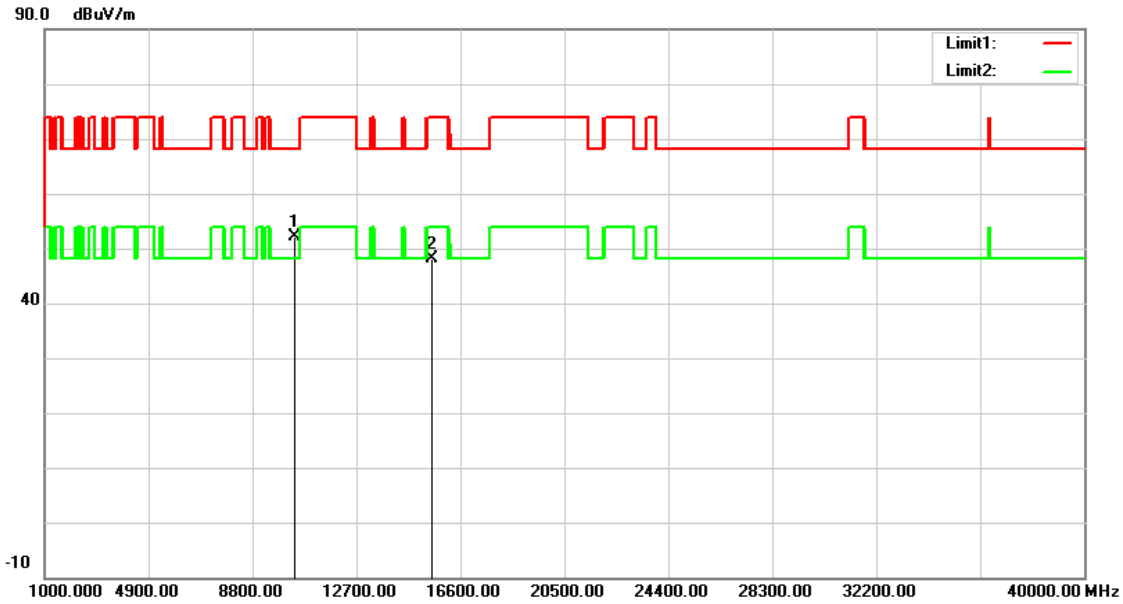
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Harmonic

Above 1 GHz

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



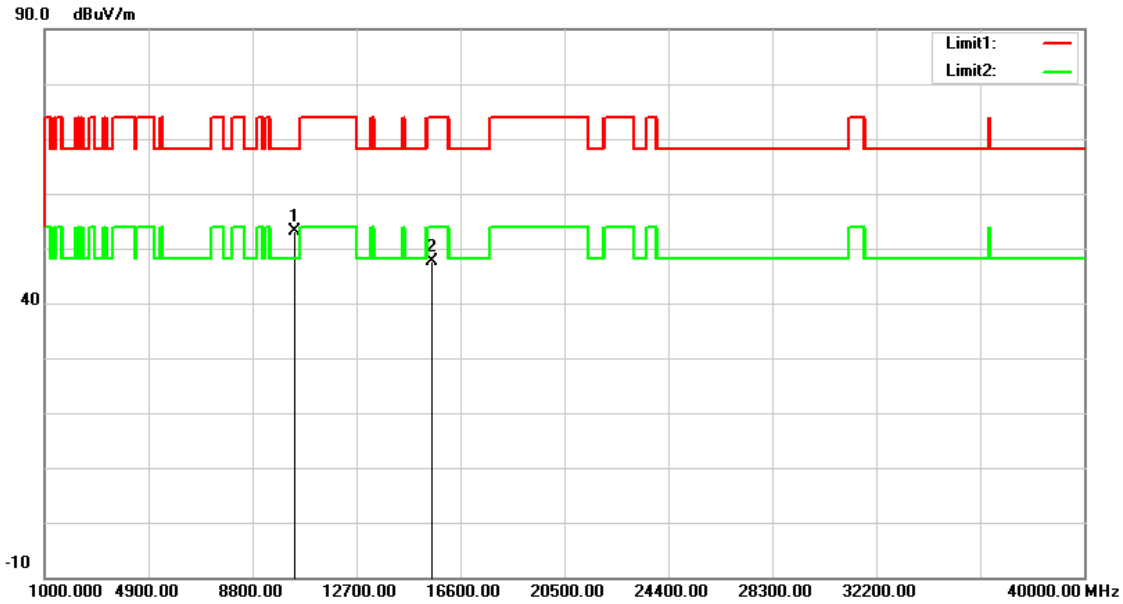
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	41.05	11.16	52.21	68.20	-15.99	peak
2	15540.000	34.36	13.66	48.02	74.00	-25.98	peak

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

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

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

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



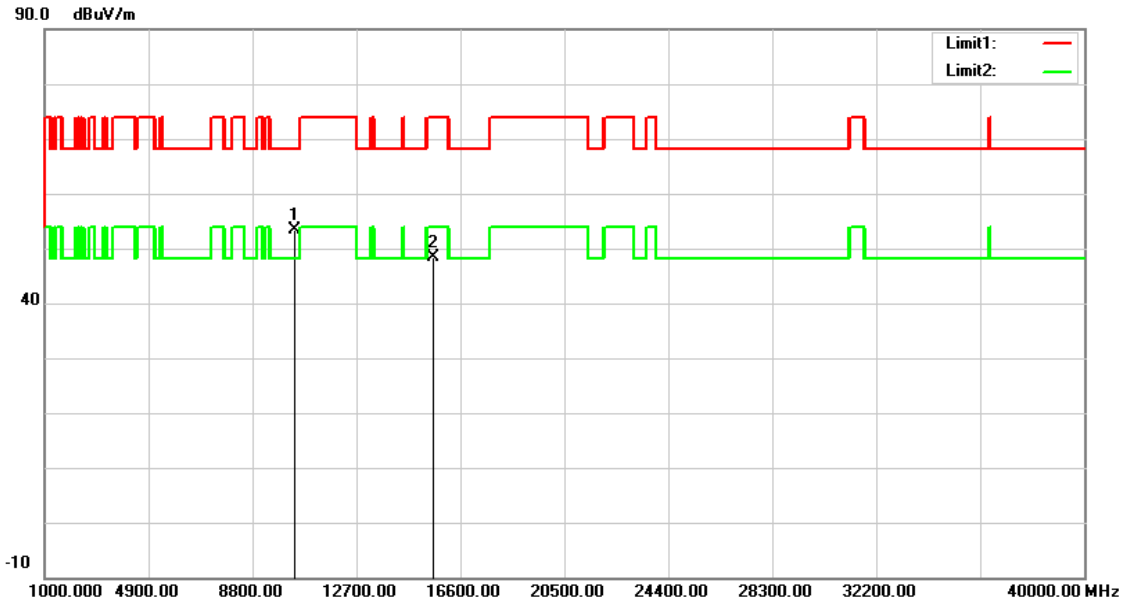
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	42.08	11.16	53.24	68.20	-14.96	peak
2	15540.000	34.08	13.66	47.74	74.00	-26.26	peak

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

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

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

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



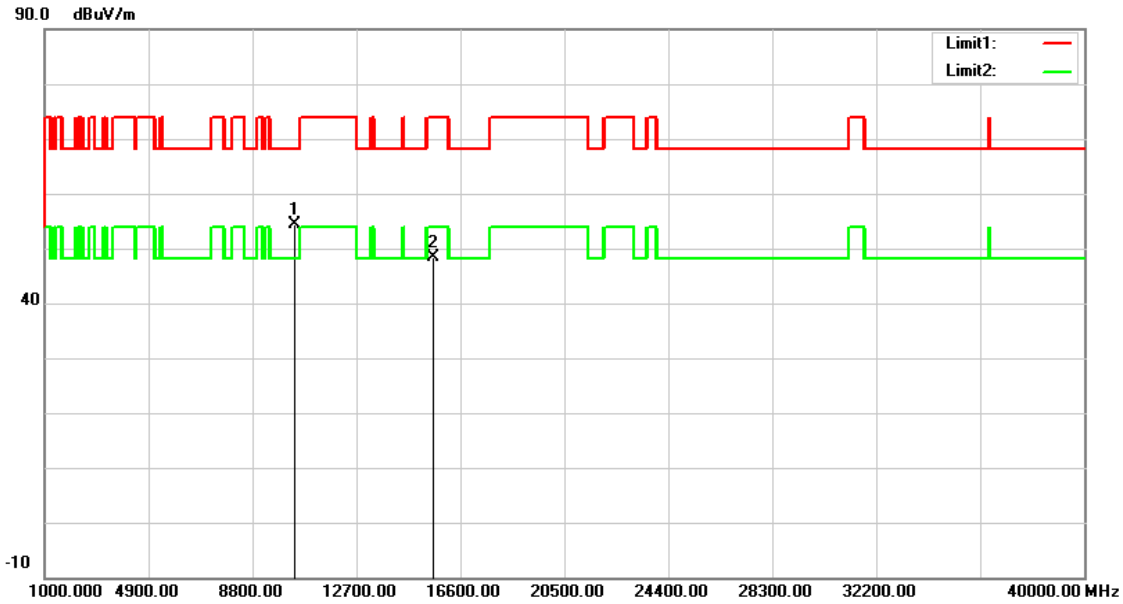
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	42.11	11.26	53.37	68.20	-14.83	peak
2	15600.000	34.93	13.56	48.49	74.00	-25.51	peak

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

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

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

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



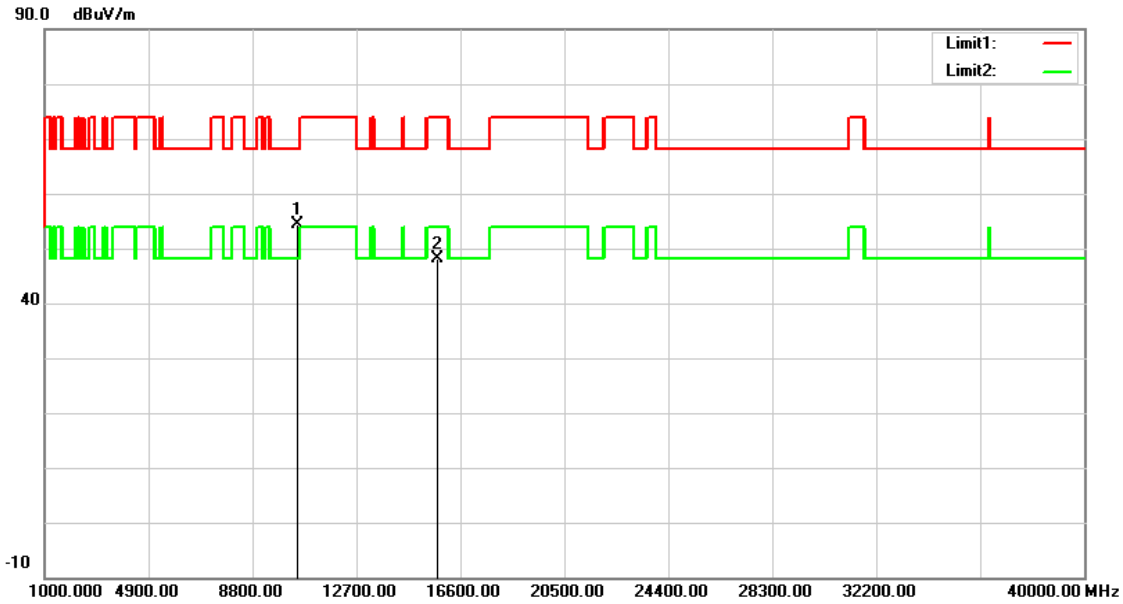
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	43.11	11.26	54.37	68.20	-13.83	peak
2	15600.000	34.71	13.56	48.27	74.00	-25.73	peak

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

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

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

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



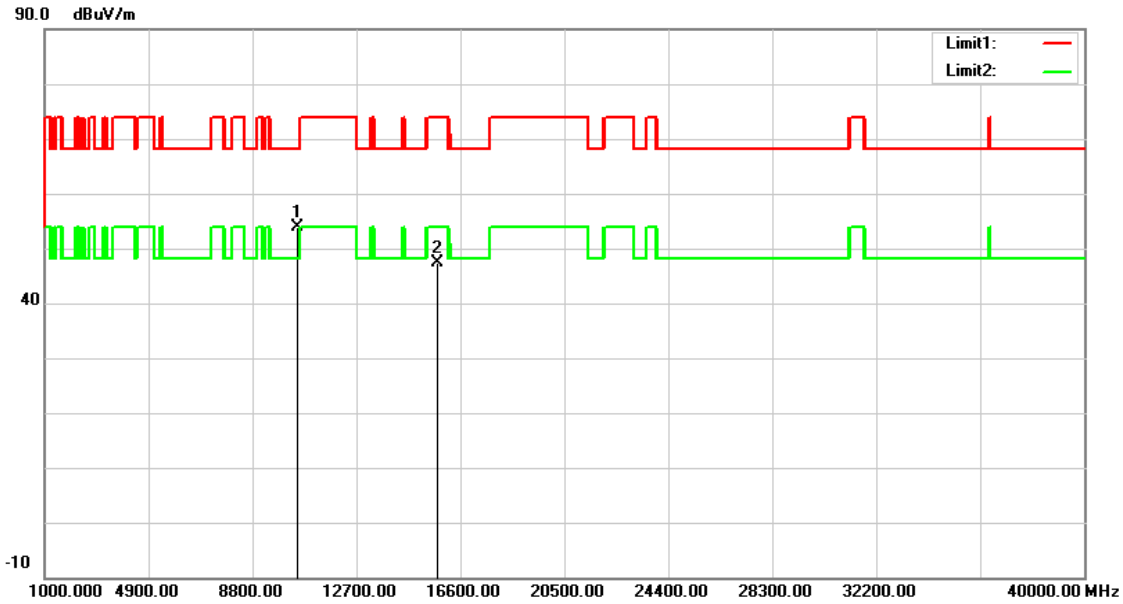
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	42.97	11.47	54.44	68.20	-13.76	peak
2	15720.000	34.68	13.37	48.05	74.00	-25.95	peak

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

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

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

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



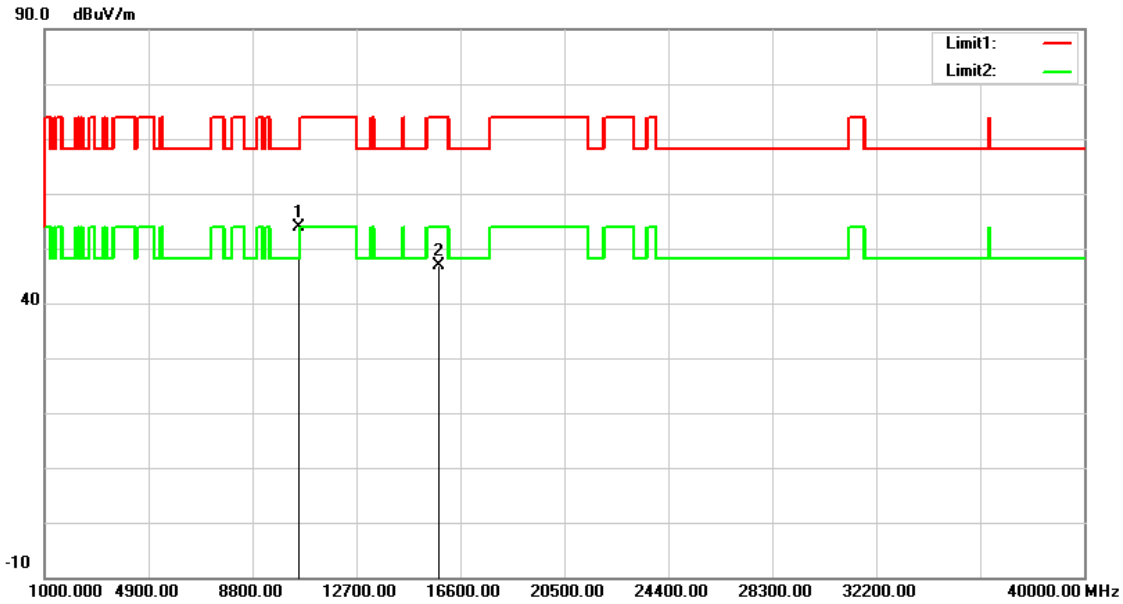
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	42.51	11.47	53.98	68.20	-14.22	peak
2	15720.000	34.13	13.37	47.50	74.00	-26.50	peak

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

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

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

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



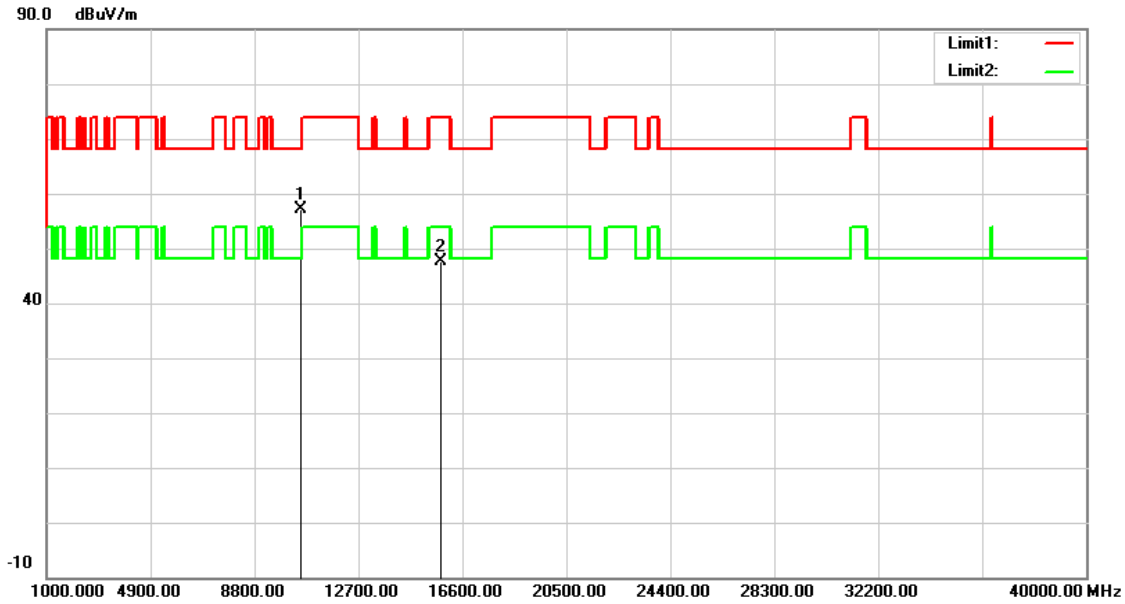
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	42.27	11.53	53.80	68.20	-14.40	peak
2	15780.000	33.58	13.30	46.88	74.00	-27.12	peak

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

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

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

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



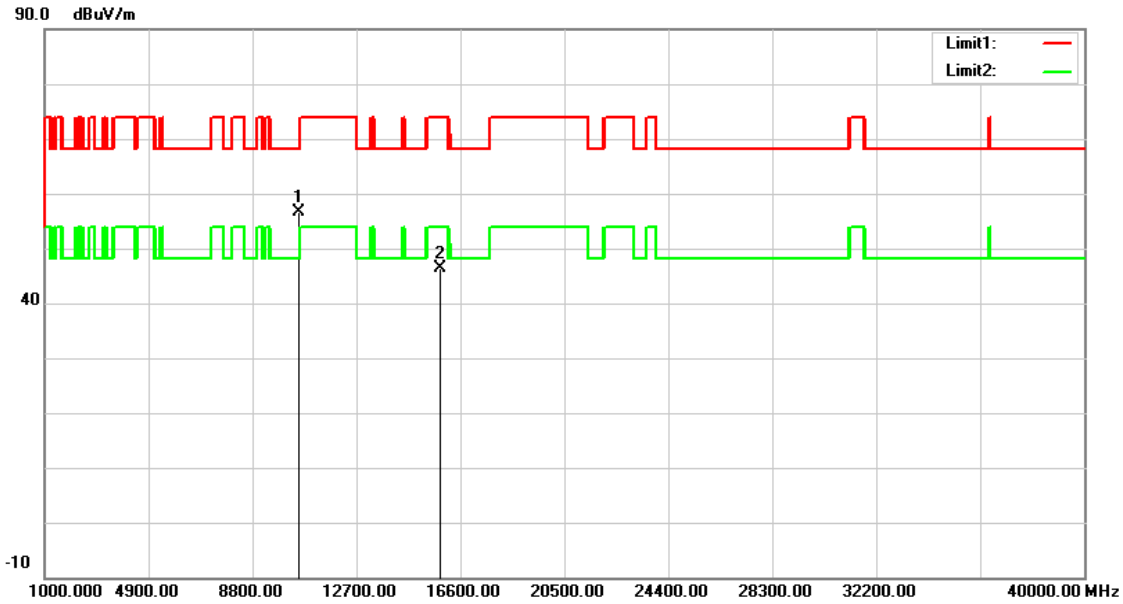
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	45.55	11.53	57.08	68.20	-11.12	peak
2	15780.000	34.29	13.30	47.59	74.00	-26.41	peak

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

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

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

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



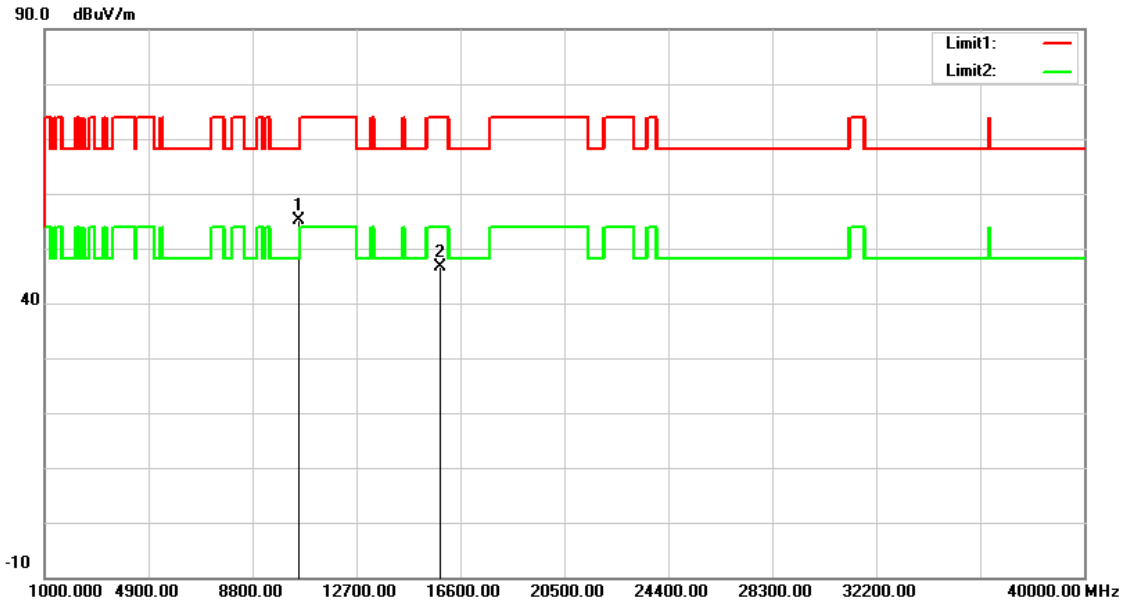
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	45.05	11.53	56.58	68.20	-11.62	peak
2	15840.000	33.20	13.20	46.40	74.00	-27.60	peak

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

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

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

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



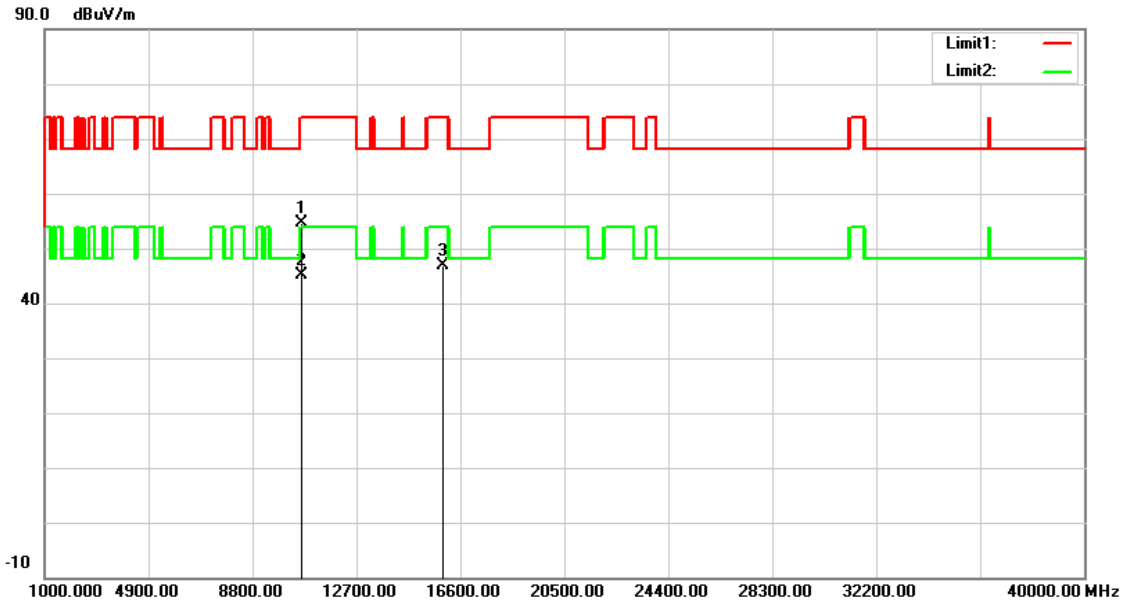
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	43.51	11.53	55.04	68.20	-13.16	peak
2	15840.000	33.43	13.20	46.63	74.00	-27.37	peak

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

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

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

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



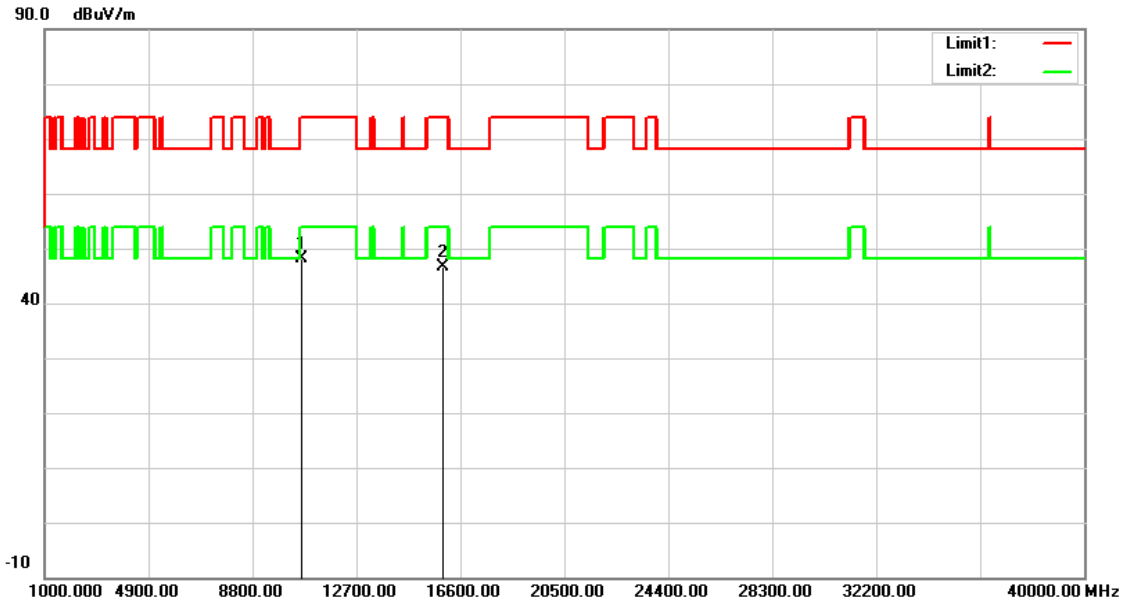
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	43.03	11.54	54.57	74.00	-19.43	peak
2	10640.000	33.50	11.54	45.04	54.00	-8.96	AVG
3	15960.000	33.96	13.01	46.97	74.00	-27.03	peak

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

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

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

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



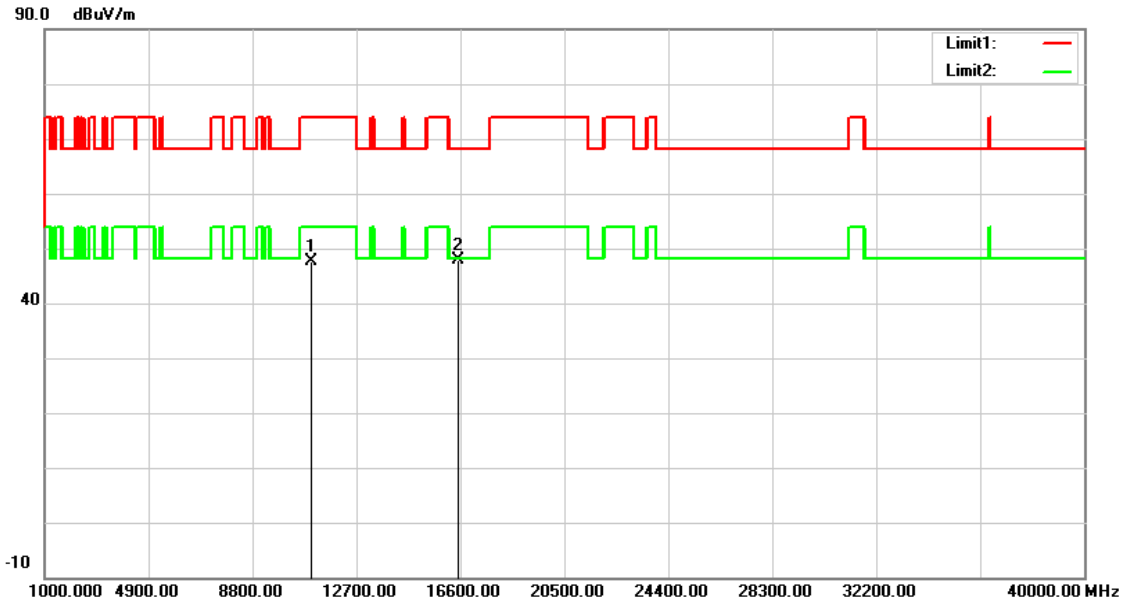
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	36.52	11.54	48.06	74.00	-25.94	peak
2	15960.000	33.74	13.01	46.75	74.00	-27.25	peak

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

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

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

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



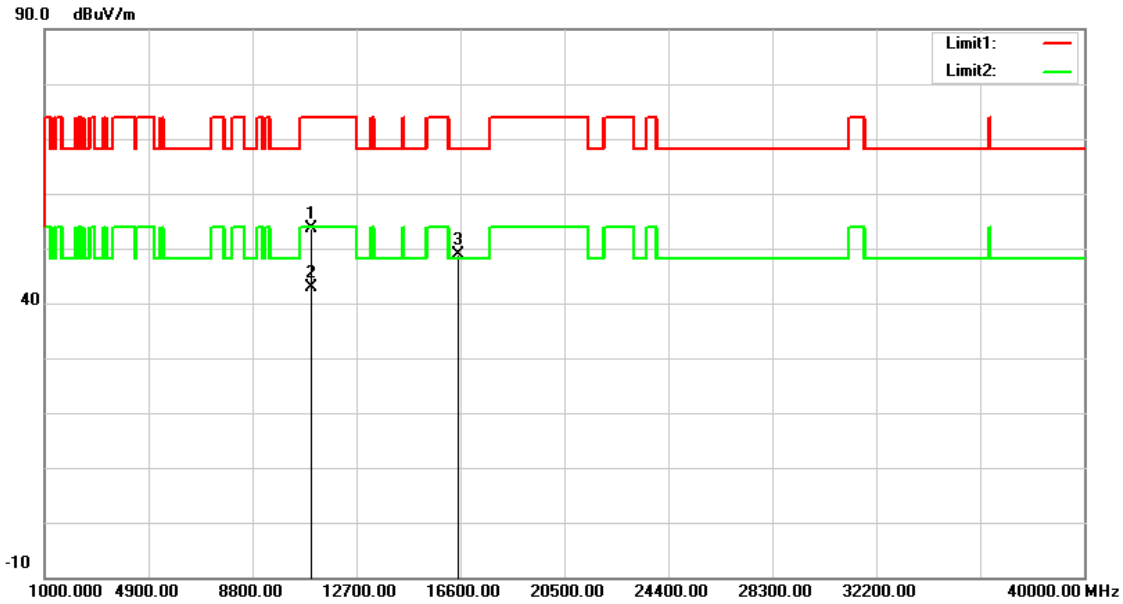
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	36.00	11.59	47.59	74.00	-26.41	peak
2	16500.000	34.11	13.70	47.81	68.20	-20.39	peak

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

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

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

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



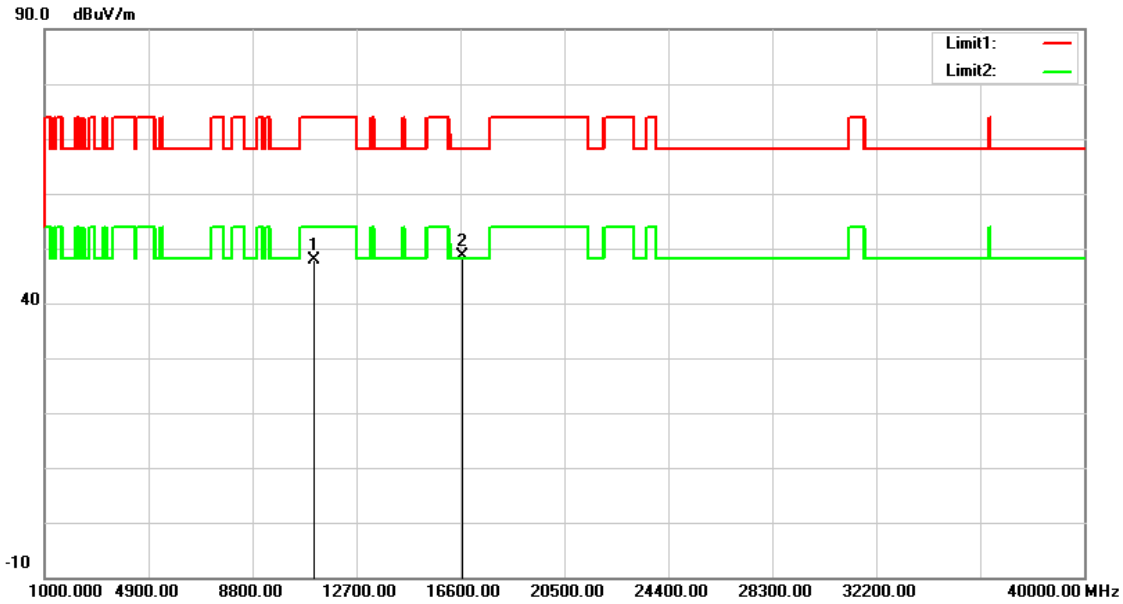
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	42.16	11.59	53.75	74.00	-20.25	peak
2	11000.000	31.38	11.59	42.97	54.00	-11.03	AVG
3	16500.000	35.08	13.70	48.78	68.20	-19.42	peak

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

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

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

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



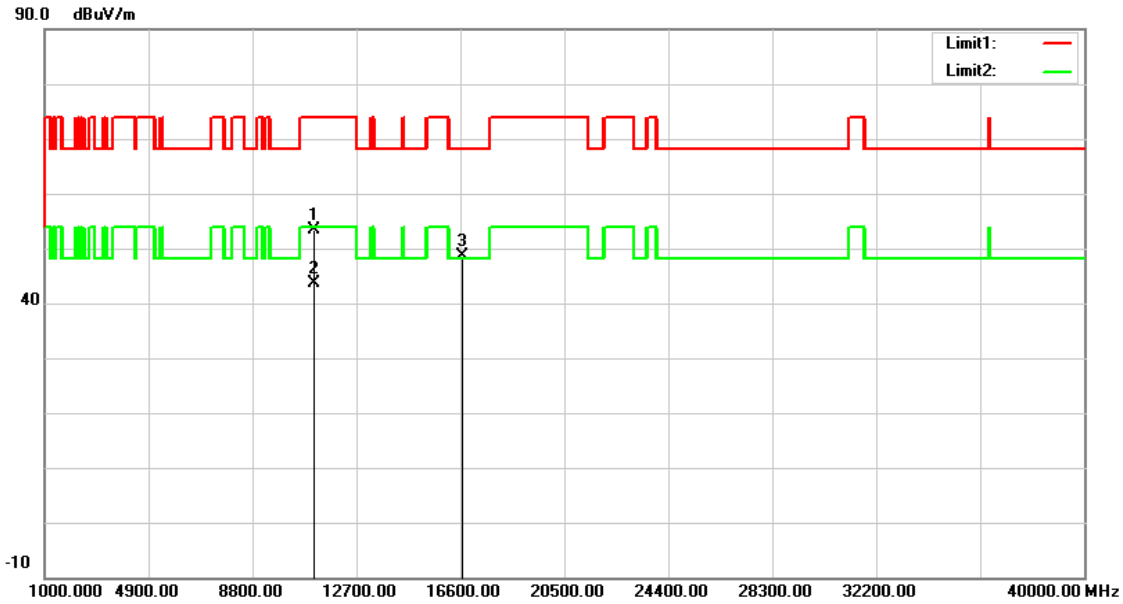
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	36.26	11.73	47.99	74.00	-26.01	peak
2	16680.000	34.05	14.55	48.60	68.20	-19.60	peak

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

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

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

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



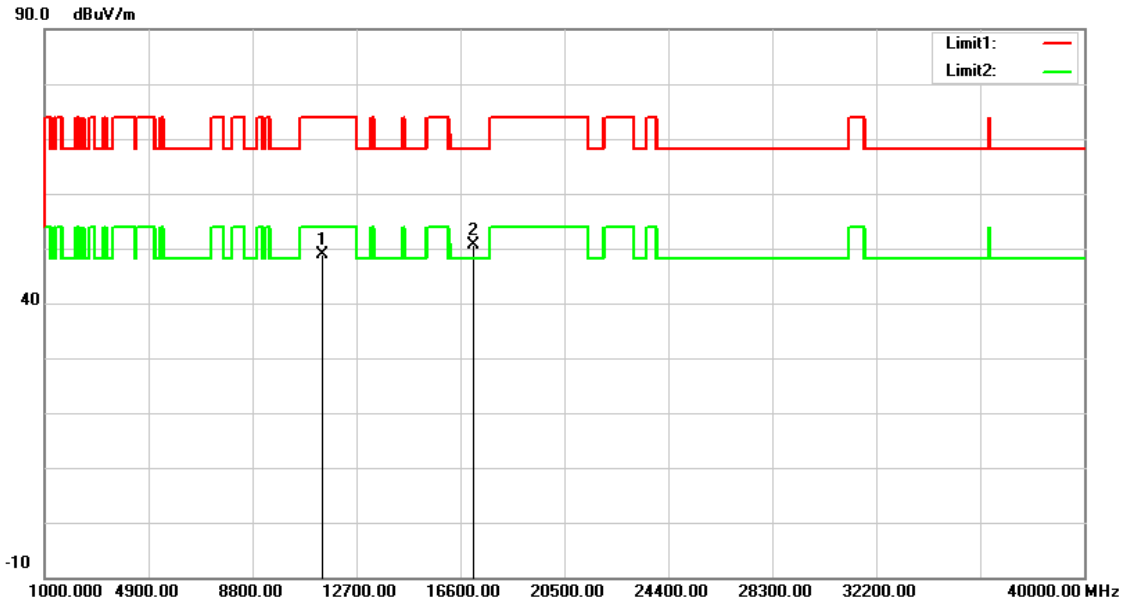
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	41.66	11.73	53.39	74.00	-20.61	peak
2	11120.000	31.94	11.73	43.67	54.00	-10.33	AVG
3	16680.000	34.14	14.55	48.69	68.20	-19.51	peak

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

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

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

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



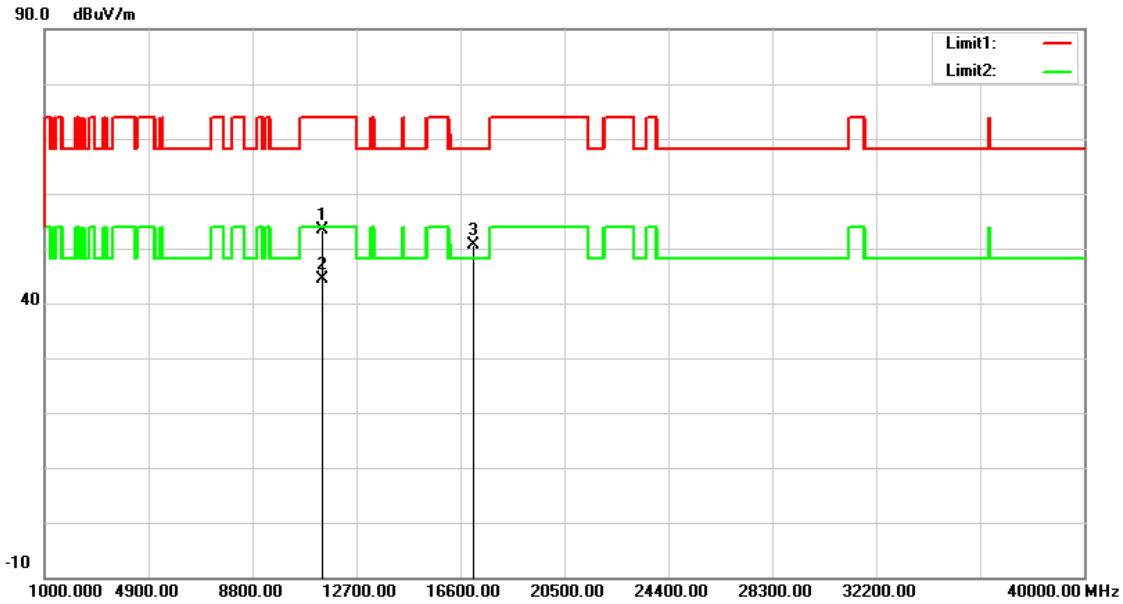
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	36.81	12.03	48.84	74.00	-25.16	peak
2	17100.000	34.06	16.69	50.75	68.20	-17.45	peak

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

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

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

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



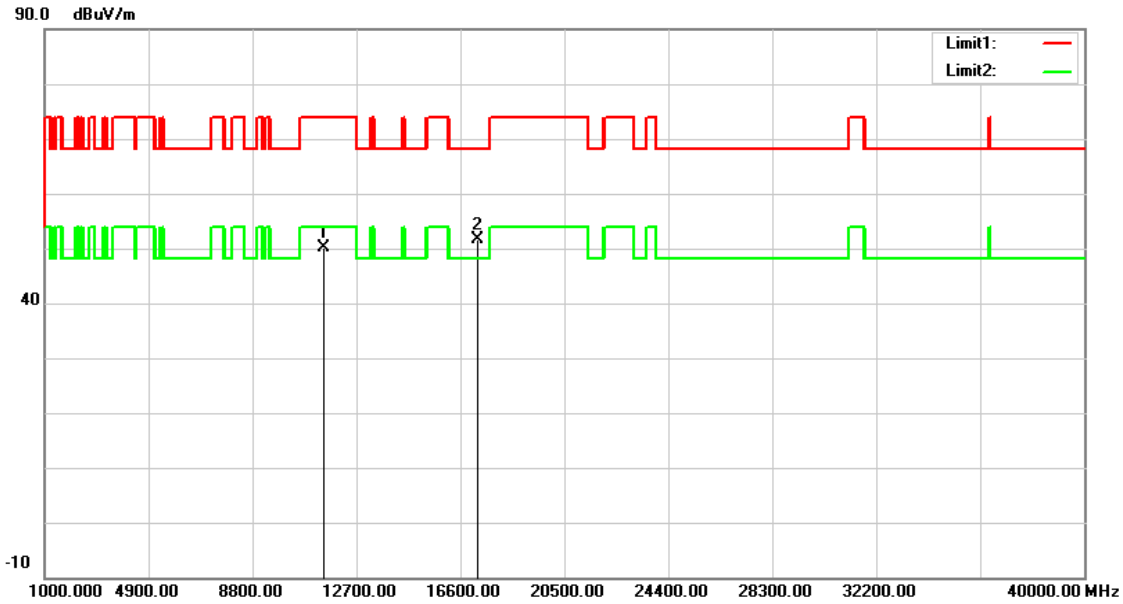
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	41.43	12.03	53.46	74.00	-20.54	peak
2	11400.000	32.26	12.03	44.29	54.00	-9.71	AVG
3	17100.000	33.86	16.69	50.55	68.20	-17.65	peak

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

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

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

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



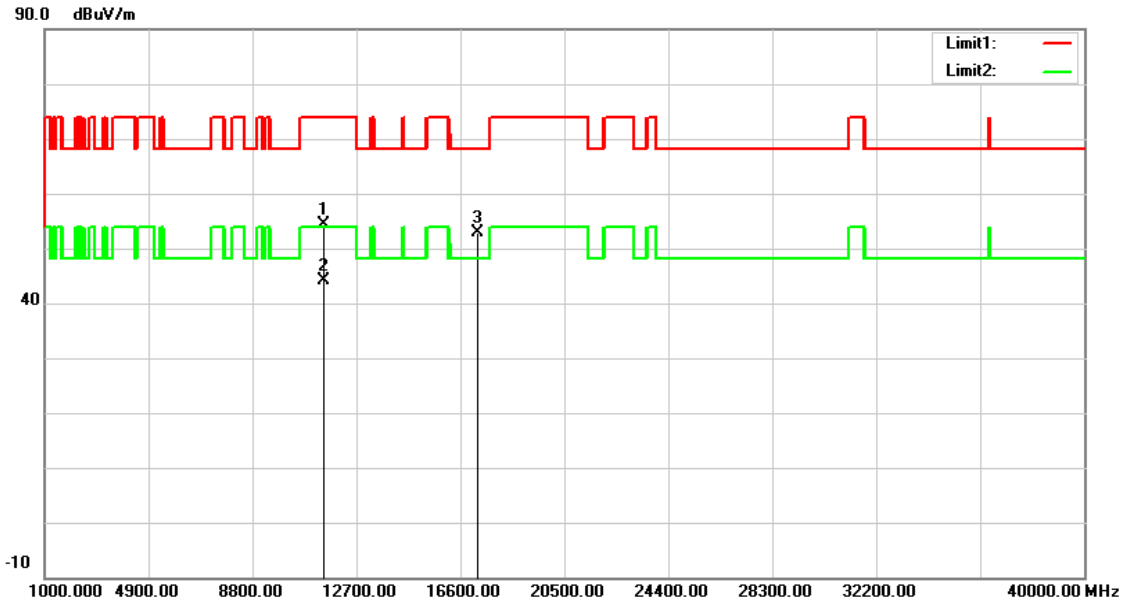
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	38.09	12.13	50.22	74.00	-23.78	peak
2	17235.000	33.98	17.55	51.53	68.20	-16.67	peak

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



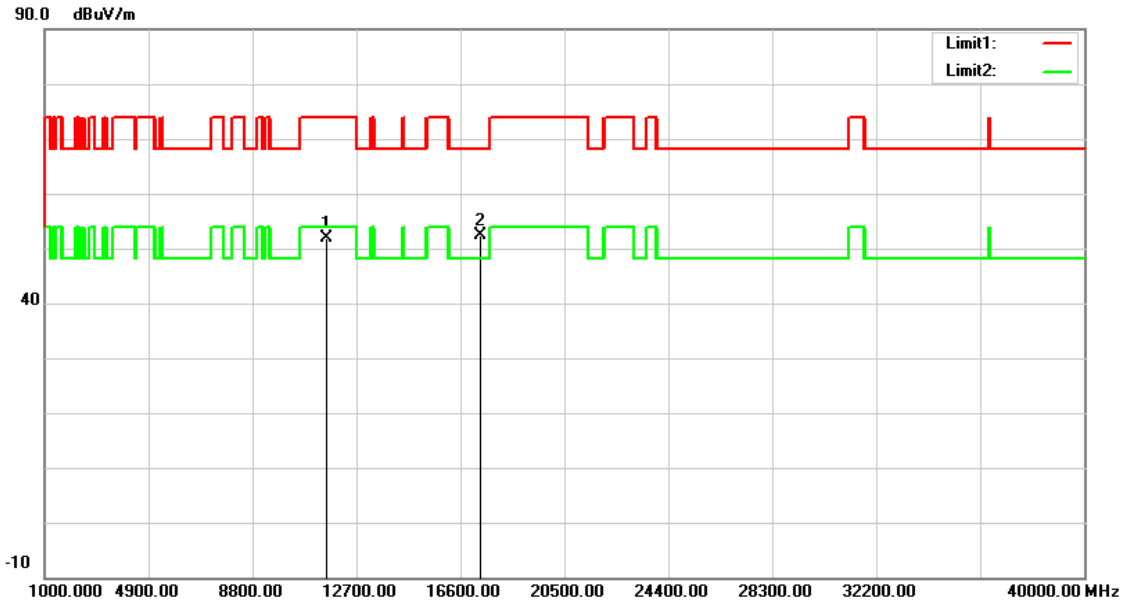
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	42.16	12.13	54.29	74.00	-19.71	peak
2	11490.000	32.12	12.13	44.25	54.00	-9.75	AVG
3	17235.000	35.40	17.55	52.95	68.20	-15.25	peak

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

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

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

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



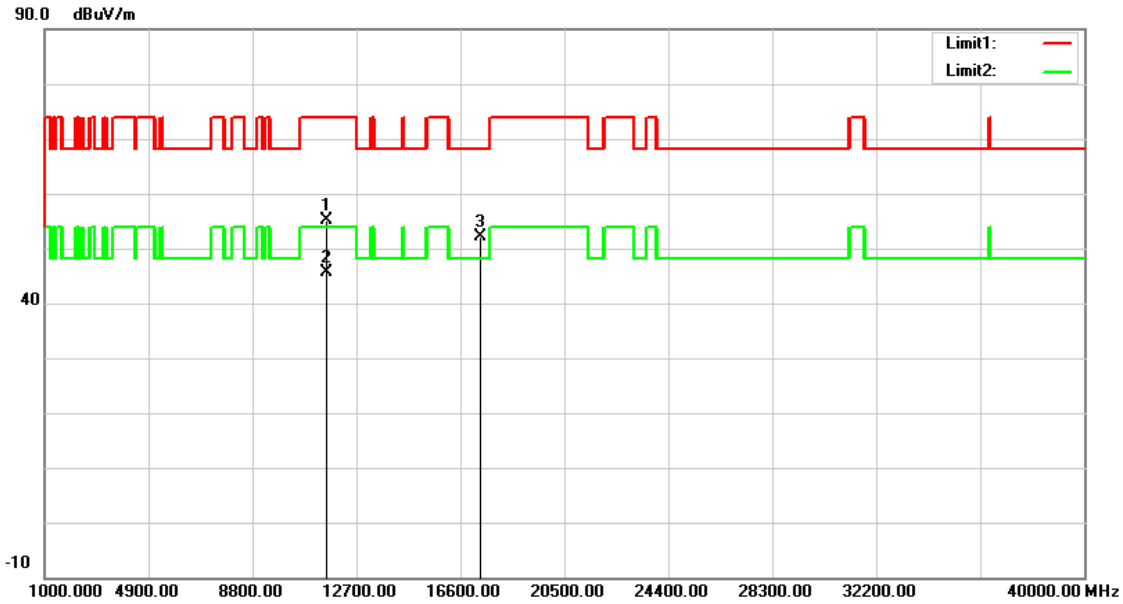
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	39.77	12.00	51.77	74.00	-22.23	peak
2	17355.000	34.20	18.30	52.50	68.20	-15.70	peak

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

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

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

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



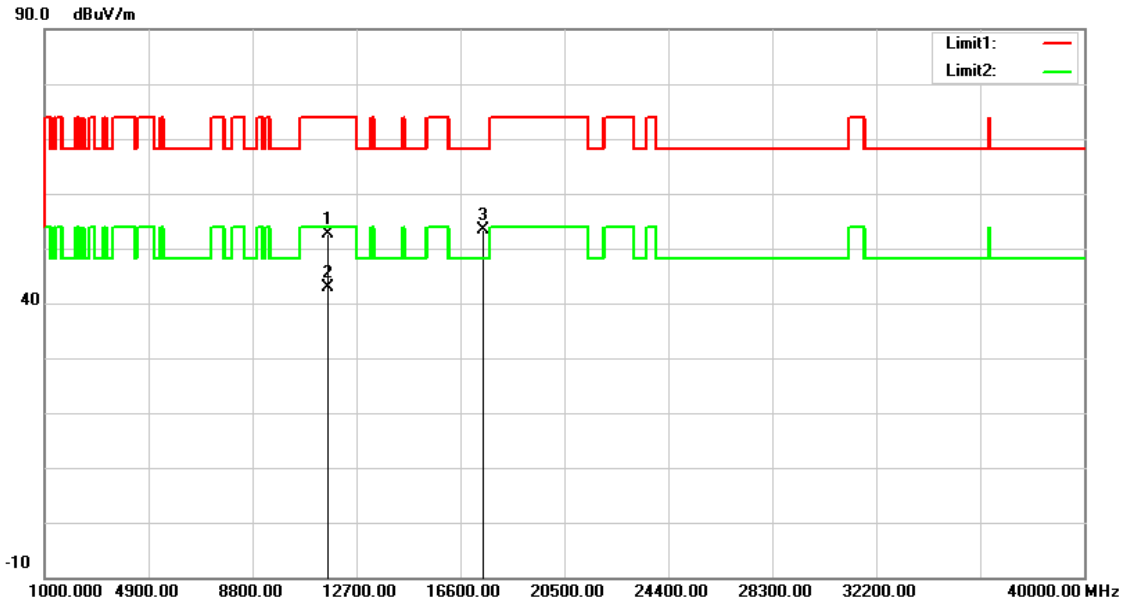
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	43.05	12.00	55.05	74.00	-18.95	peak
2	11570.000	33.68	12.00	45.68	54.00	-8.32	AVG
3	17355.000	33.83	18.30	52.13	68.20	-16.07	peak

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

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

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

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



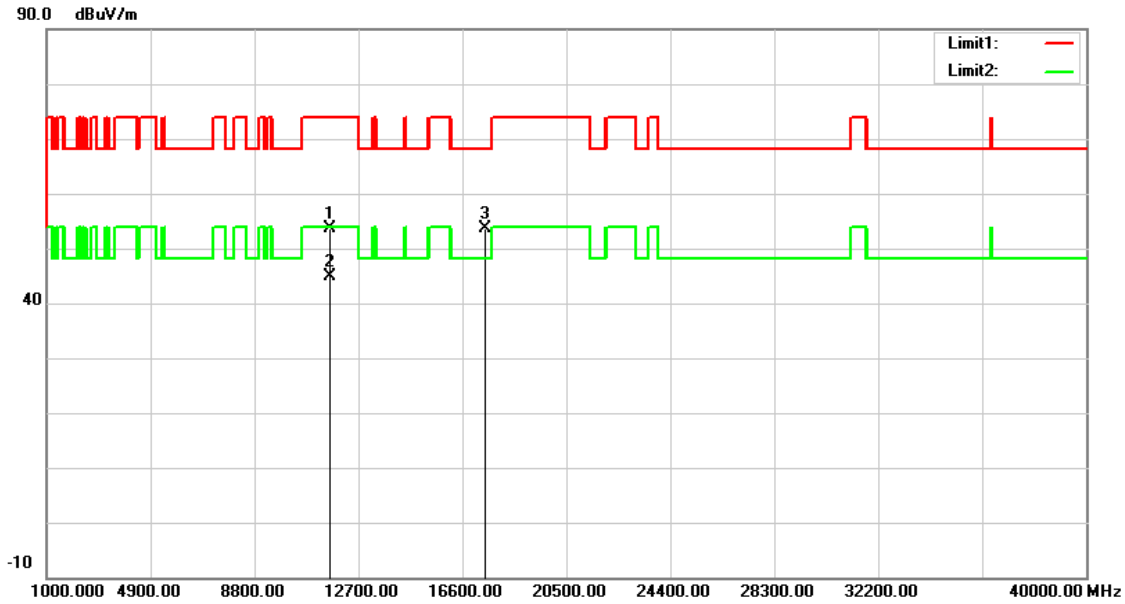
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	40.81	11.85	52.66	74.00	-21.34	peak
2	11650.000	30.97	11.85	42.82	54.00	-11.18	AVG
3	17475.000	34.35	19.07	53.42	68.20	-14.78	peak

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

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

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

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



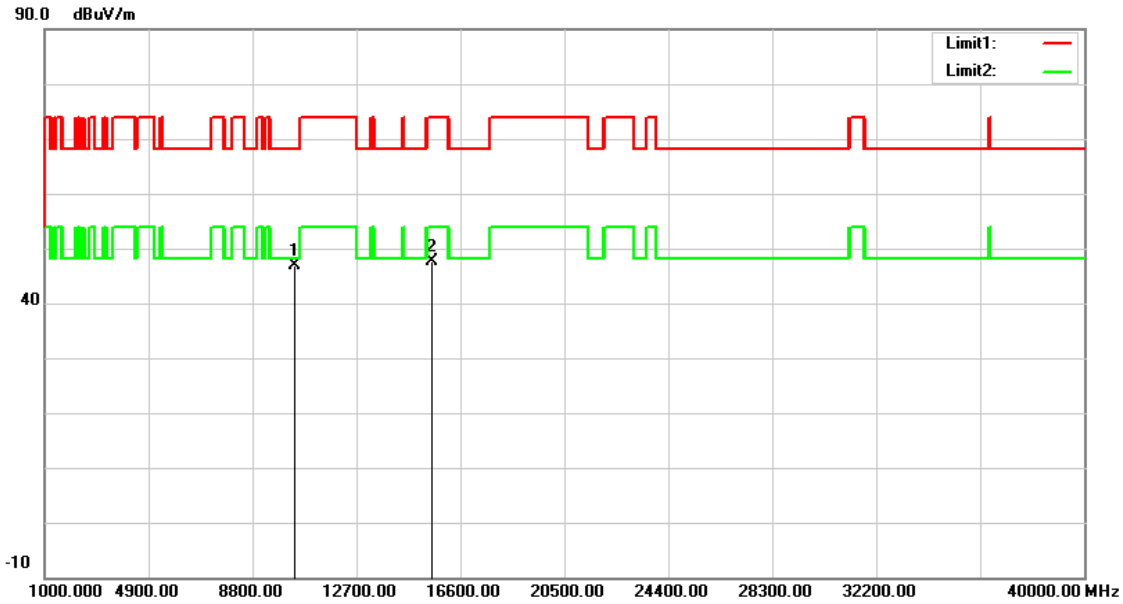
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	41.90	11.85	53.75	74.00	-20.25	peak
2	11650.000	33.00	11.85	44.85	54.00	-9.15	AVG
3	17475.000	34.45	19.07	53.52	68.20	-14.68	peak

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

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

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

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



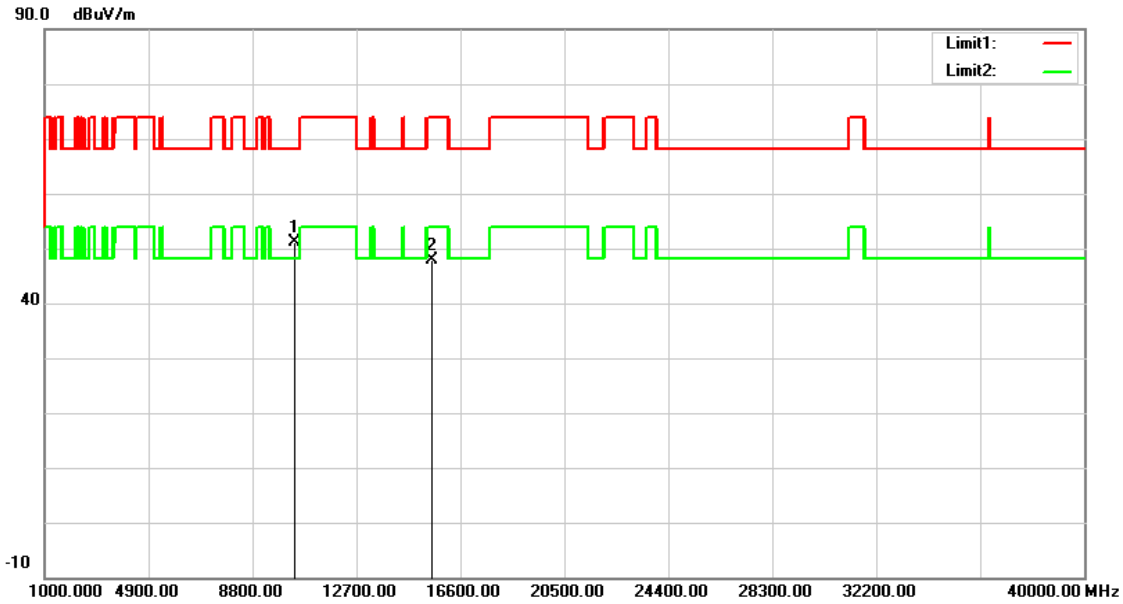
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	35.73	11.16	46.89	68.20	-21.31	peak
2	15540.000	33.86	13.66	47.52	74.00	-26.48	peak

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

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

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

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



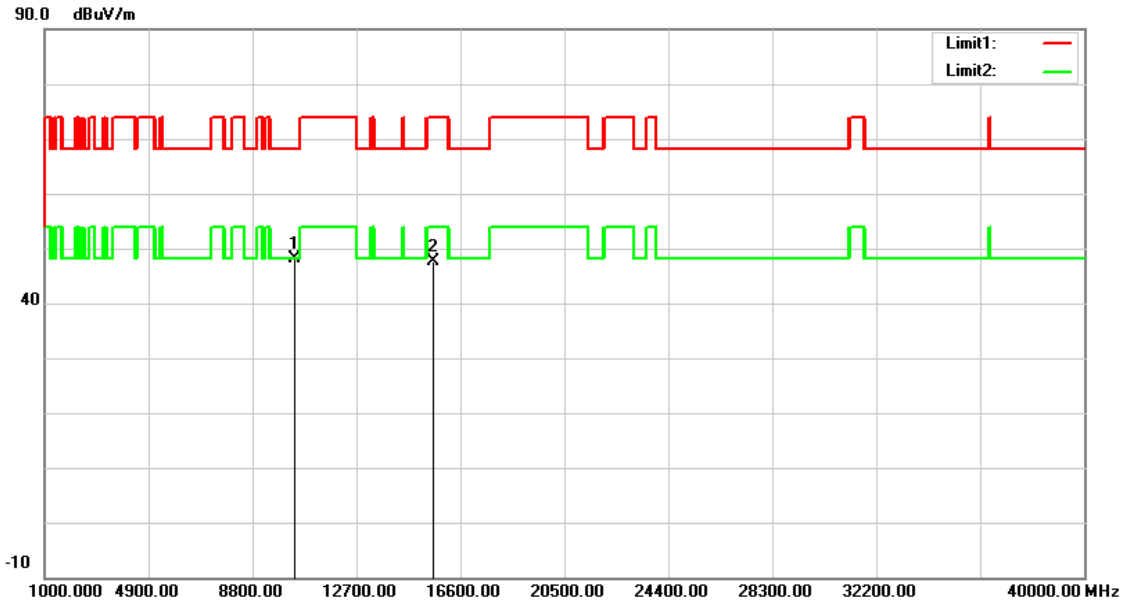
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.07	11.16	51.23	68.20	-16.97	peak
2	15540.000	34.24	13.66	47.90	74.00	-26.10	peak

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

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

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

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



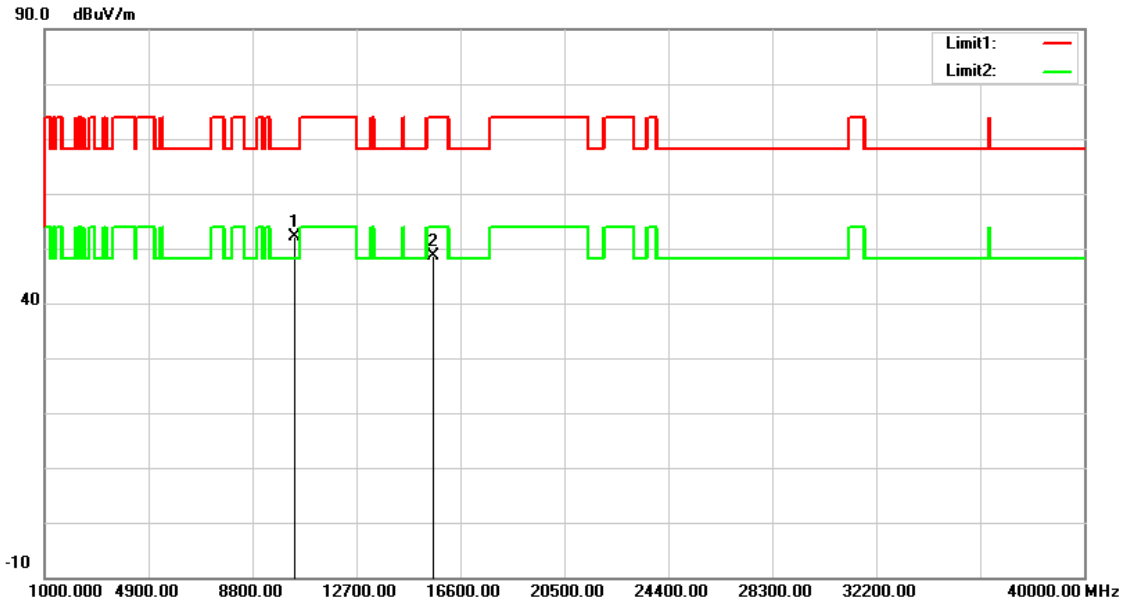
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.75	11.26	48.01	68.20	-20.19	peak
2	15600.000	34.13	13.56	47.69	74.00	-26.31	peak

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

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

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

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



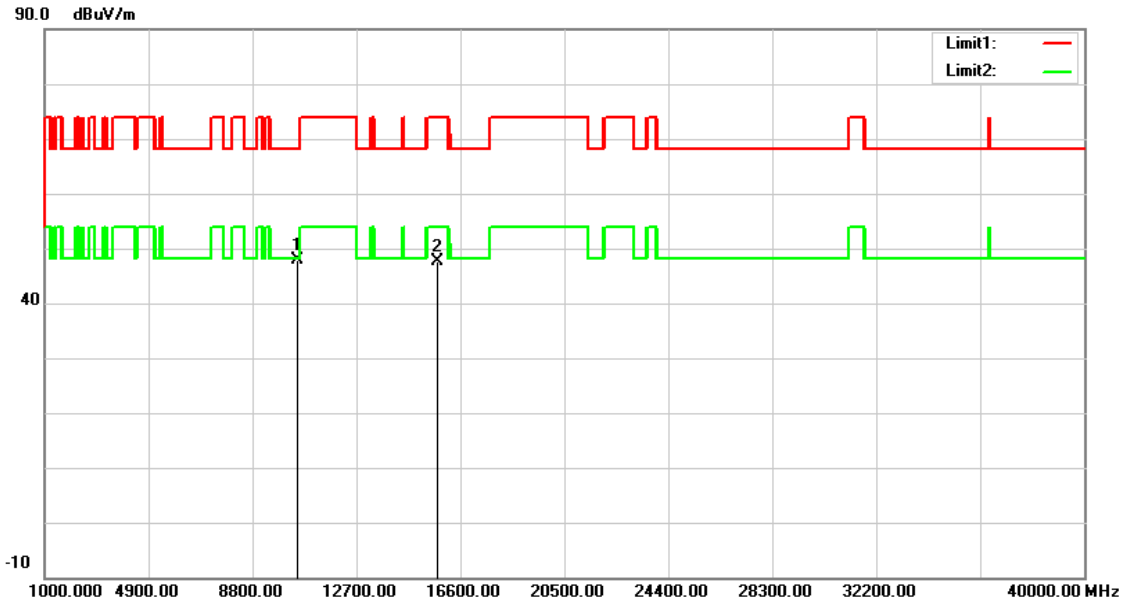
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	40.80	11.26	52.06	68.20	-16.14	peak
2	15600.000	34.95	13.56	48.51	74.00	-25.49	peak

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

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

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

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



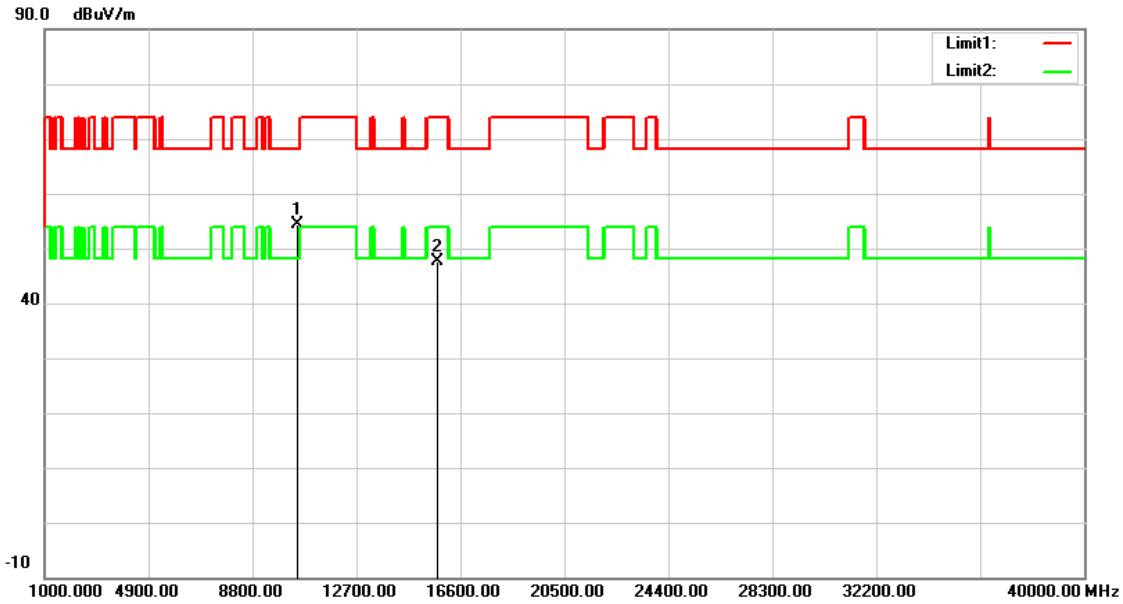
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	36.38	11.47	47.85	68.20	-20.35	peak
2	15720.000	34.32	13.37	47.69	74.00	-26.31	peak

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

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

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

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



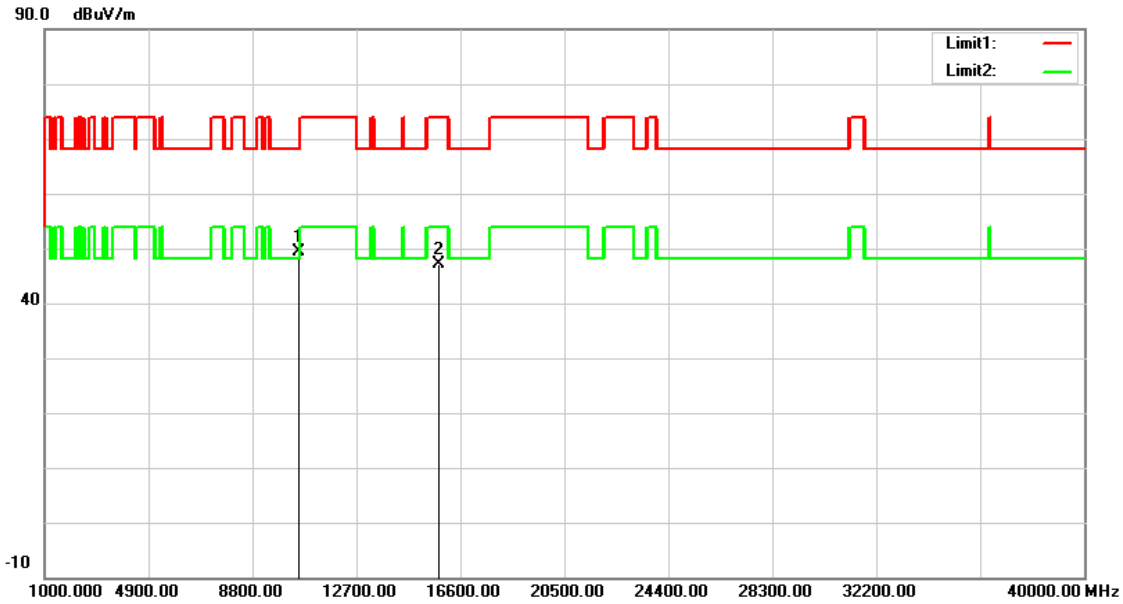
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	43.03	11.47	54.50	68.20	-13.70	peak
2	15720.000	34.18	13.37	47.55	74.00	-26.45	peak

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

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

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

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



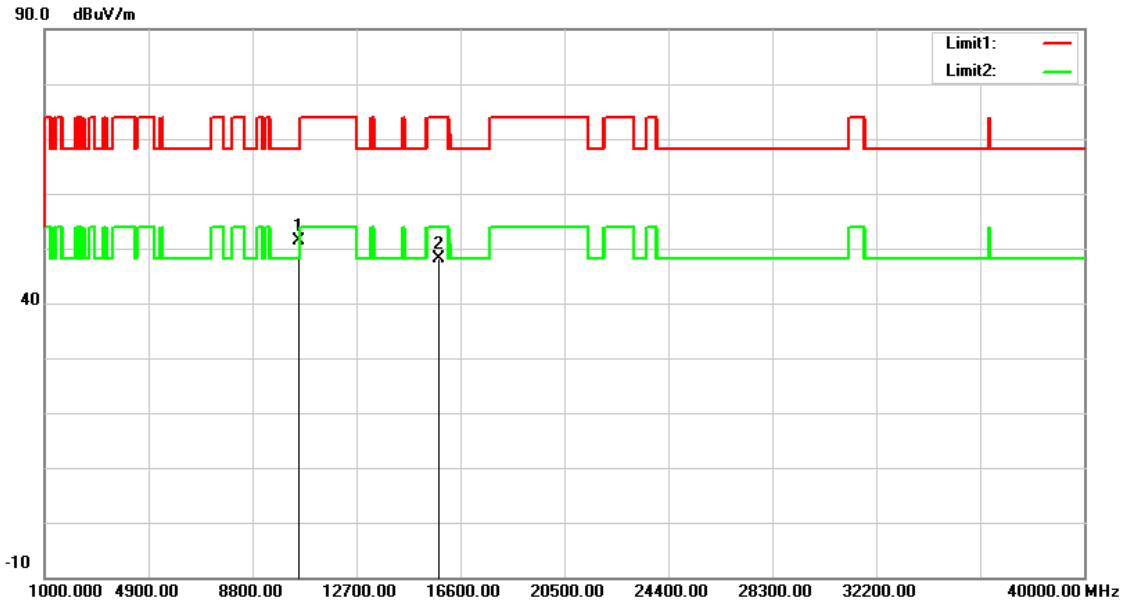
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	37.82	11.53	49.35	68.20	-18.85	peak
2	15780.000	33.84	13.30	47.14	74.00	-26.86	peak

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

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

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

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



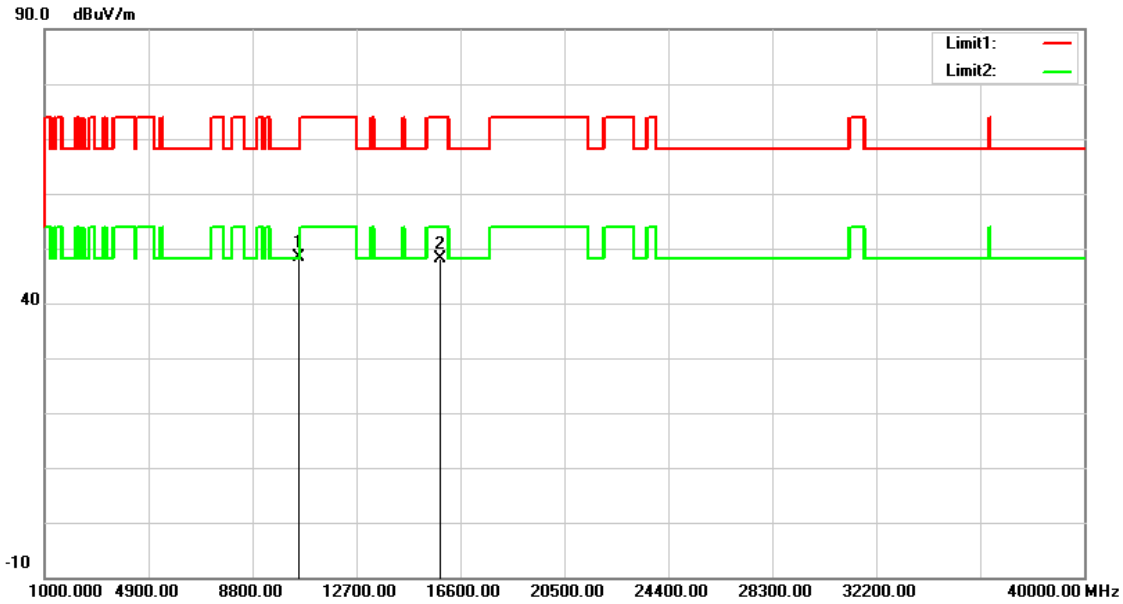
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	39.95	11.53	51.48	68.20	-16.72	peak
2	15780.000	34.94	13.30	48.24	74.00	-25.76	peak

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

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

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

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



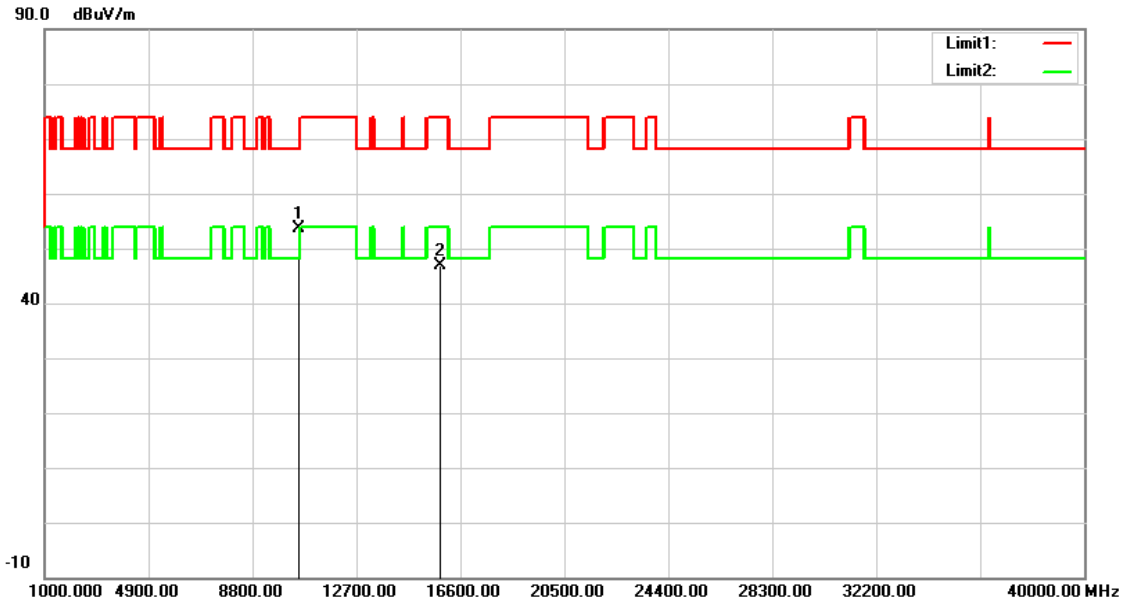
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	36.94	11.53	48.47	68.20	-19.73	peak
2	15840.000	34.85	13.20	48.05	74.00	-25.95	peak

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

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

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

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



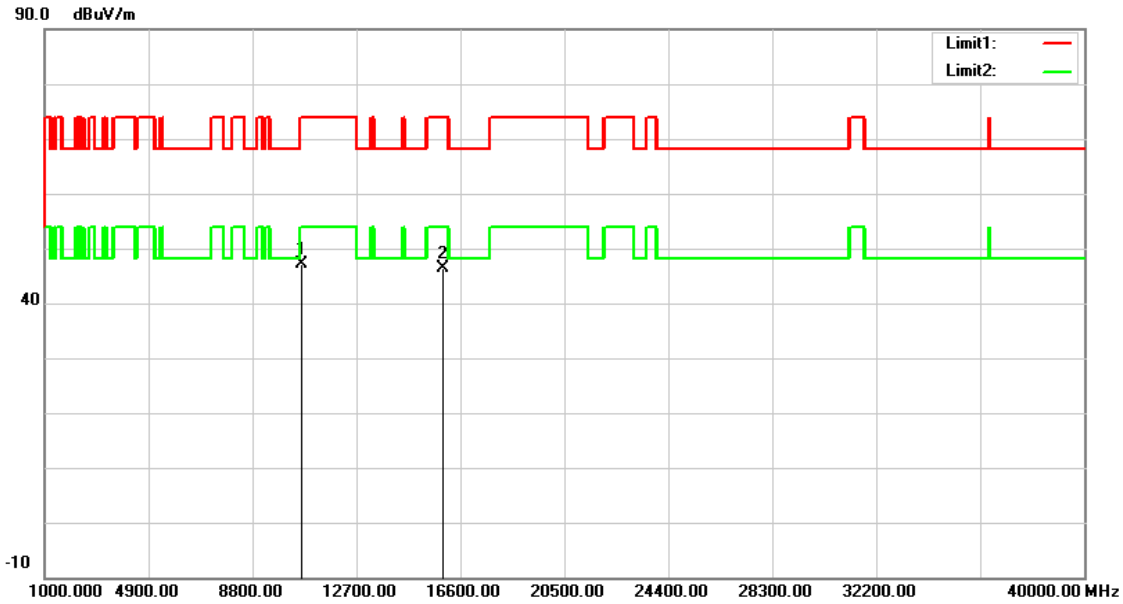
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	42.21	11.53	53.74	68.20	-14.46	peak
2	15840.000	33.71	13.20	46.91	74.00	-27.09	peak

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

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

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

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



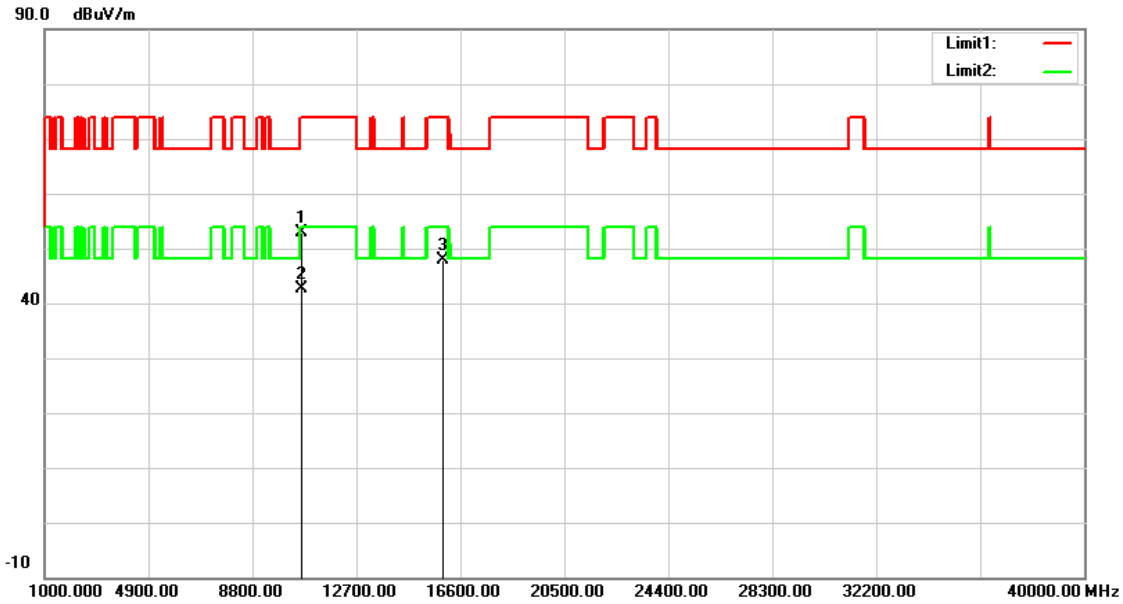
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.58	11.54	47.12	74.00	-26.88	peak
2	15960.000	33.43	13.01	46.44	74.00	-27.56	peak

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

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

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

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



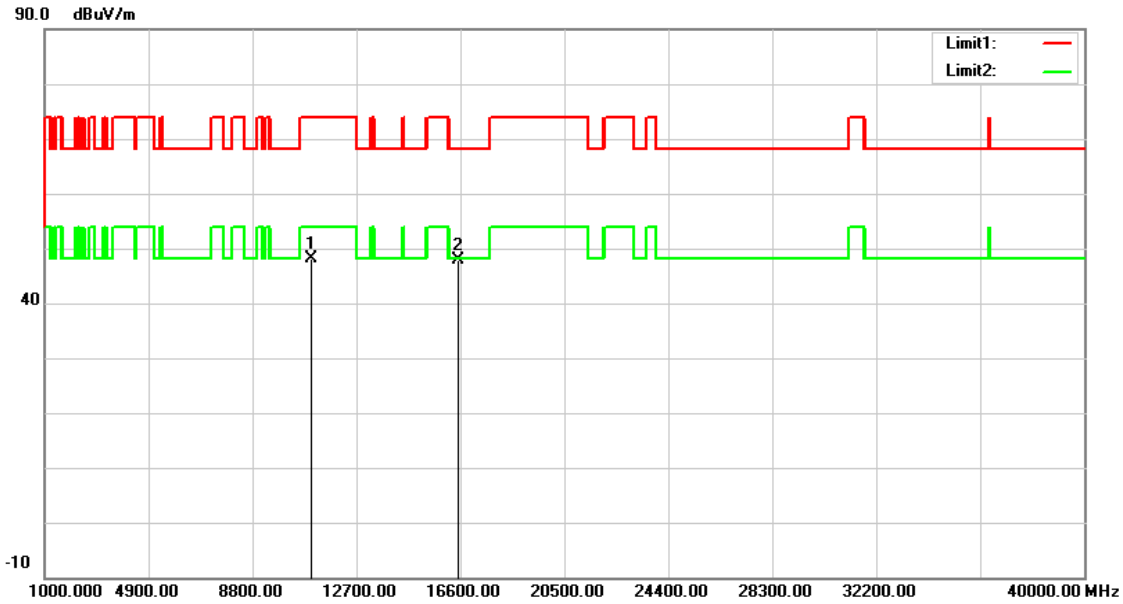
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	41.27	11.54	52.81	74.00	-21.19	peak
2	10640.000	31.09	11.54	42.63	54.00	-11.37	AVG
3	15960.000	34.85	13.01	47.86	74.00	-26.14	peak

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

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

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

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



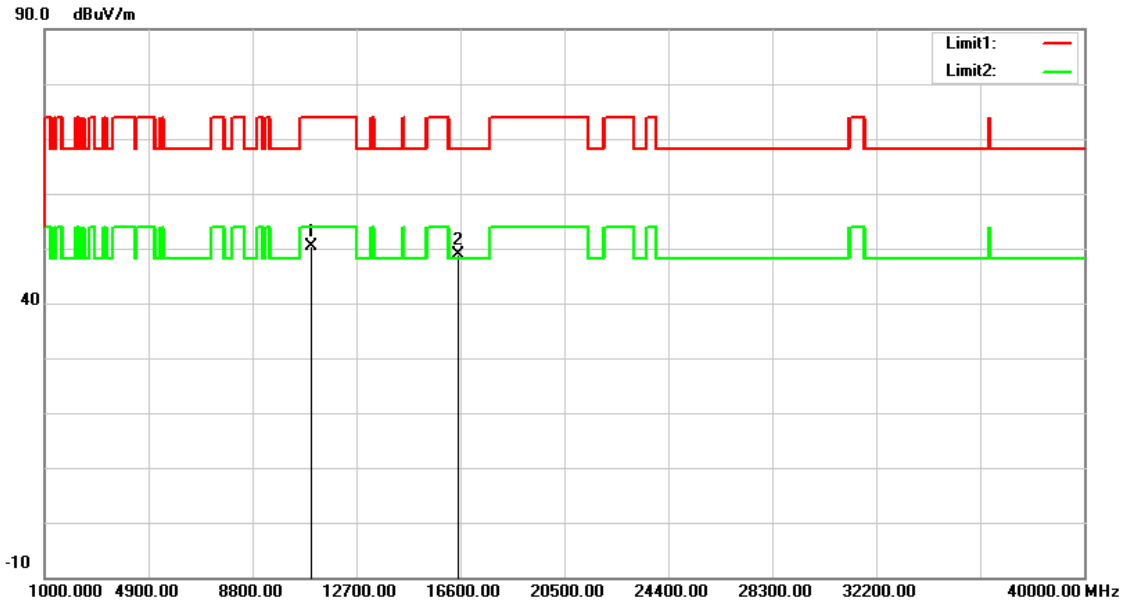
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	36.51	11.59	48.10	74.00	-25.90	peak
2	16500.000	34.23	13.70	47.93	68.20	-20.27	peak

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

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

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

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



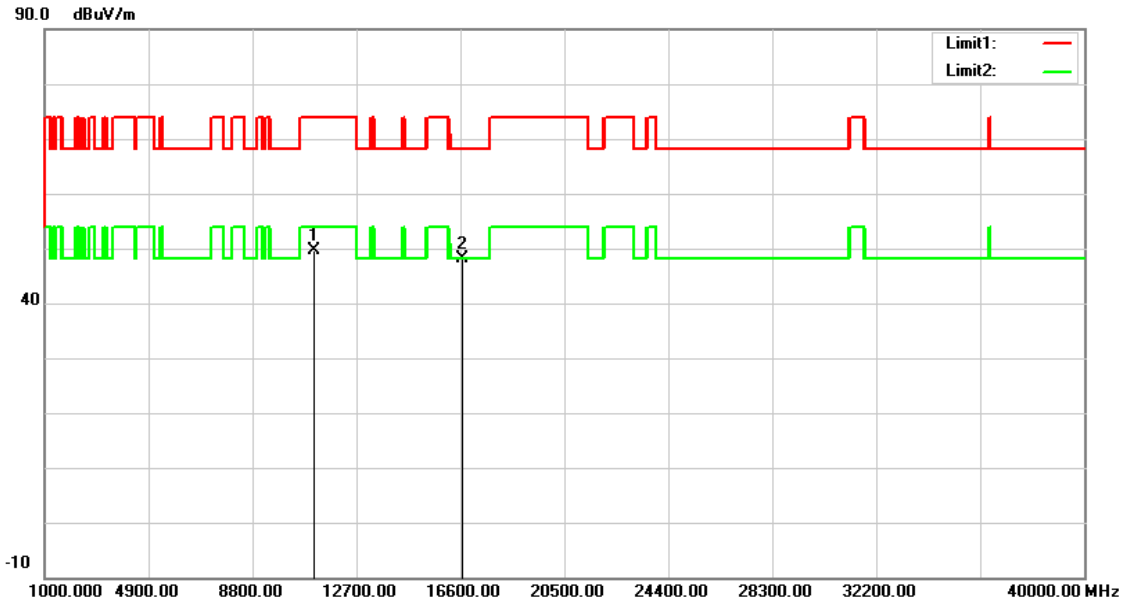
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	38.80	11.59	50.39	74.00	-23.61	peak
2	16500.000	35.18	13.70	48.88	68.20	-19.32	peak

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

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

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

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



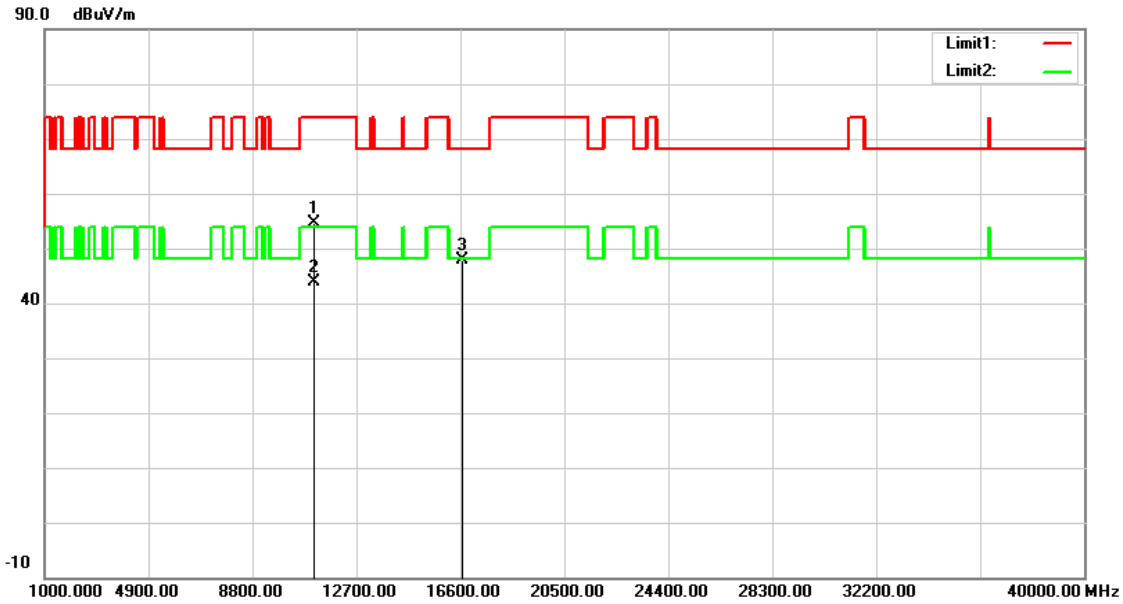
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	37.84	11.73	49.57	74.00	-24.43	peak
2	16680.000	33.56	14.55	48.11	68.20	-20.09	peak

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

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

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

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



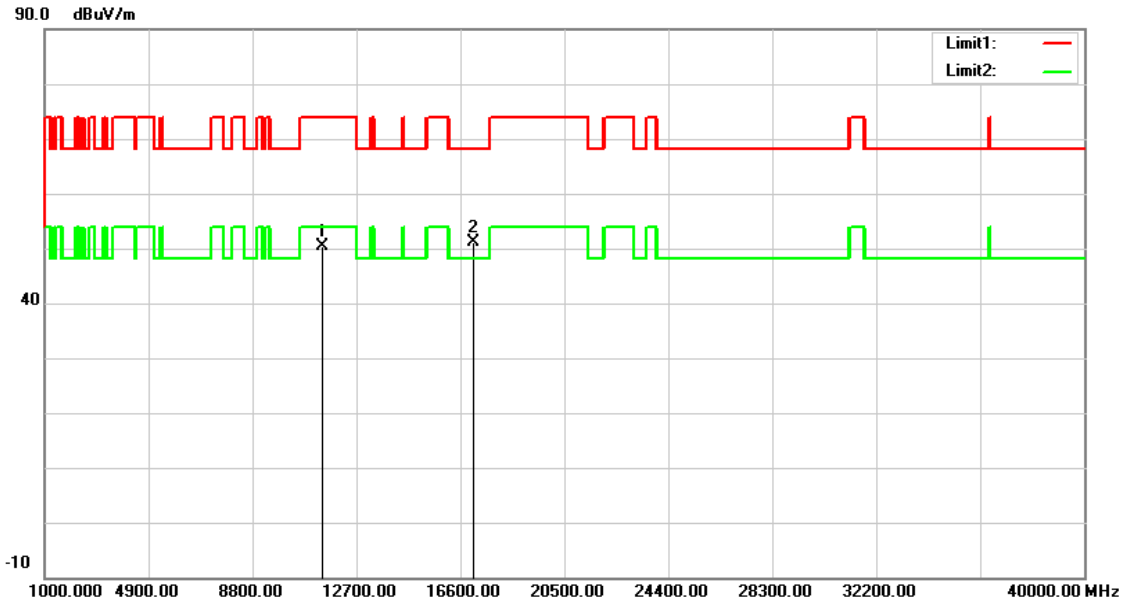
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	42.92	11.73	54.65	74.00	-19.35	peak
2	11120.000	32.26	11.73	43.99	54.00	-10.01	AVG
3	16680.000	33.23	14.55	47.78	68.20	-20.42	peak

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

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

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

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



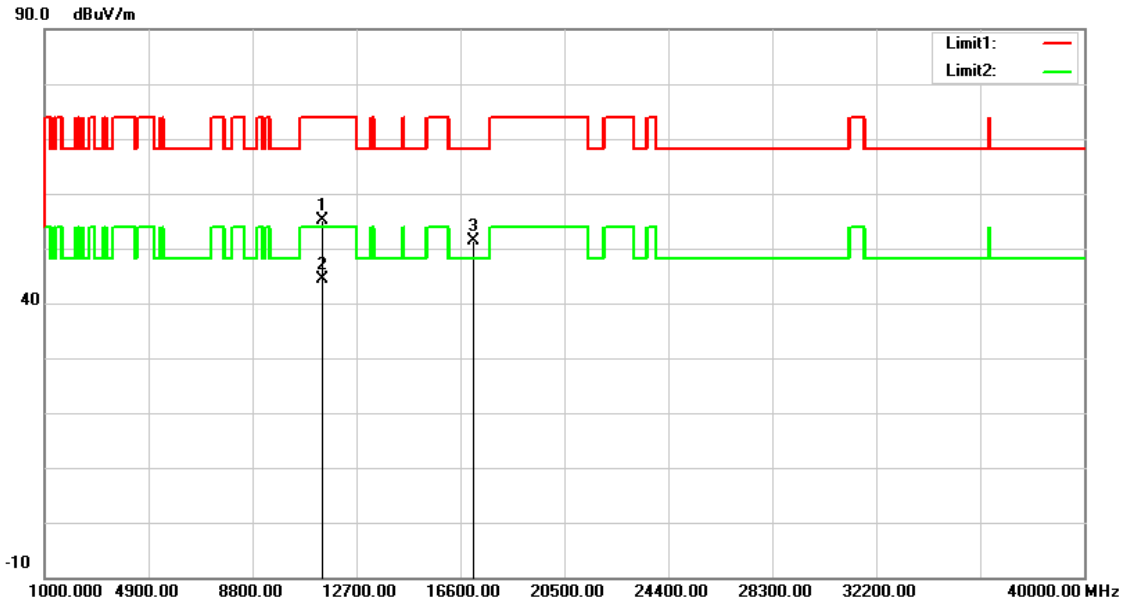
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	38.45	12.03	50.48	74.00	-23.52	peak
2	17100.000	34.41	16.69	51.10	68.20	-17.10	peak

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

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

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

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



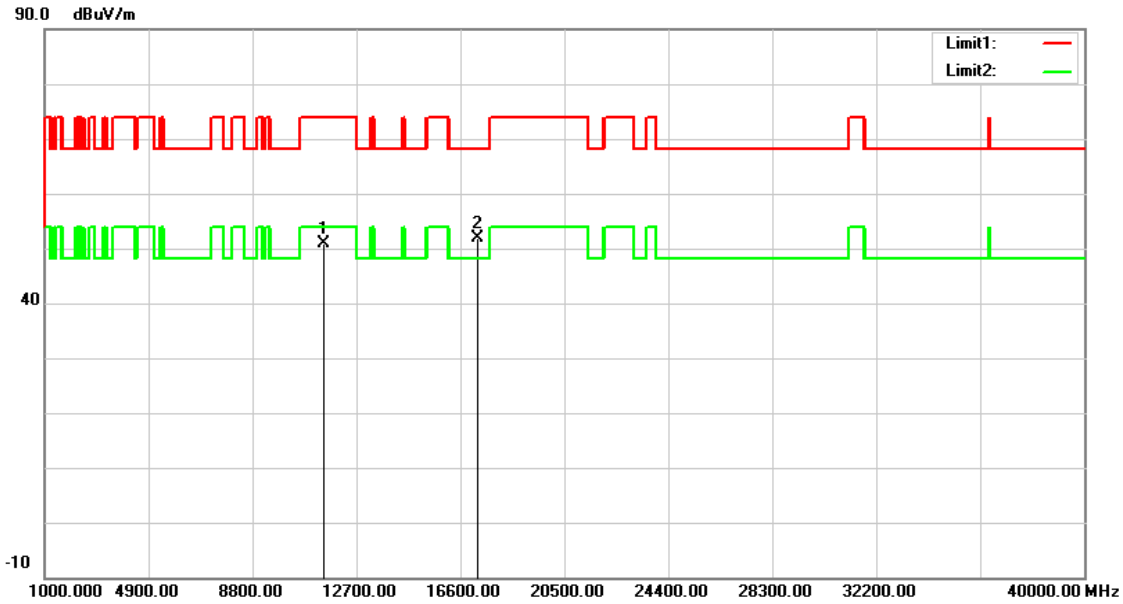
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	43.17	12.03	55.20	74.00	-18.80	peak
2	11400.000	32.26	12.03	44.29	54.00	-9.71	AVG
3	17100.000	34.81	16.69	51.50	68.20	-16.70	peak

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

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

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

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



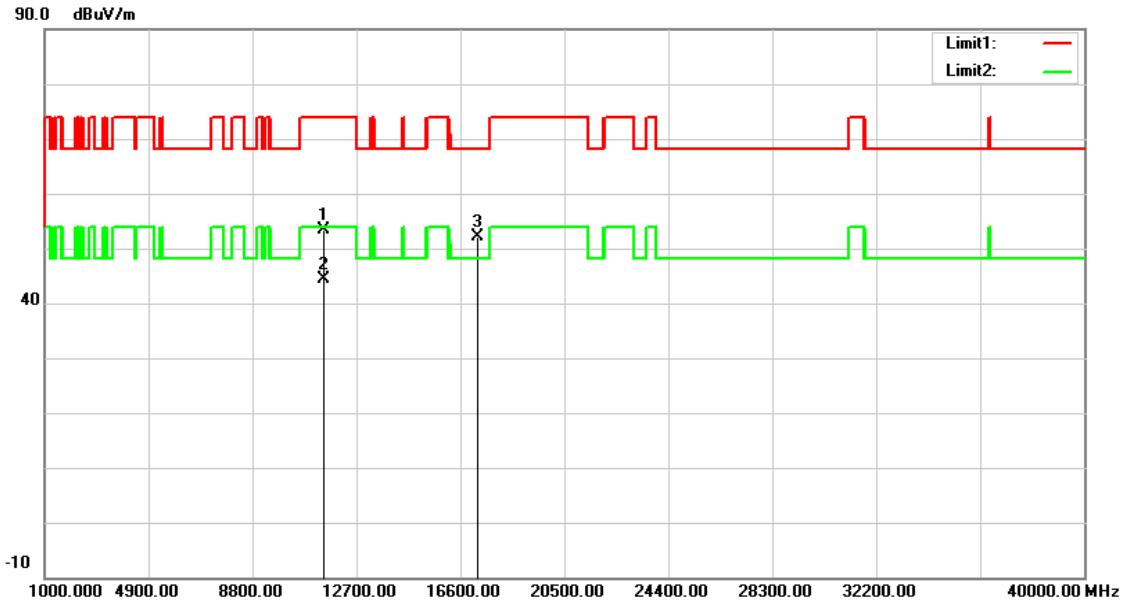
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	38.76	12.13	50.89	74.00	-23.11	peak
2	17235.000	34.25	17.55	51.80	68.20	-16.40	peak

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

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

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

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



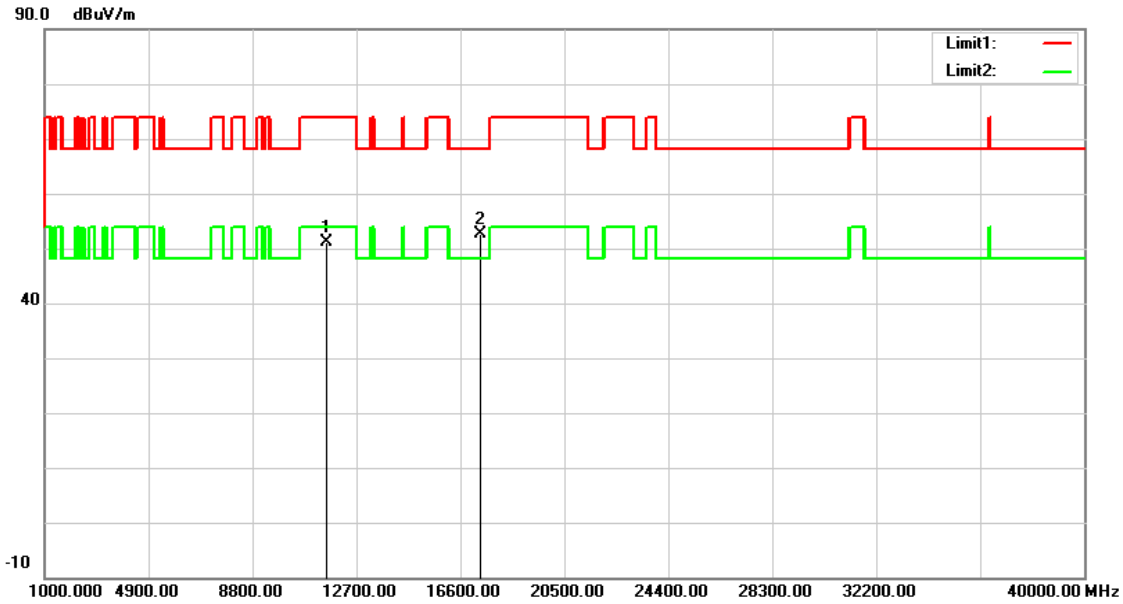
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	41.17	12.13	53.30	74.00	-20.70	peak
2	11490.000	32.20	12.13	44.33	54.00	-9.67	AVG
3	17235.000	34.52	17.55	52.07	68.20	-16.13	peak

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

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

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

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



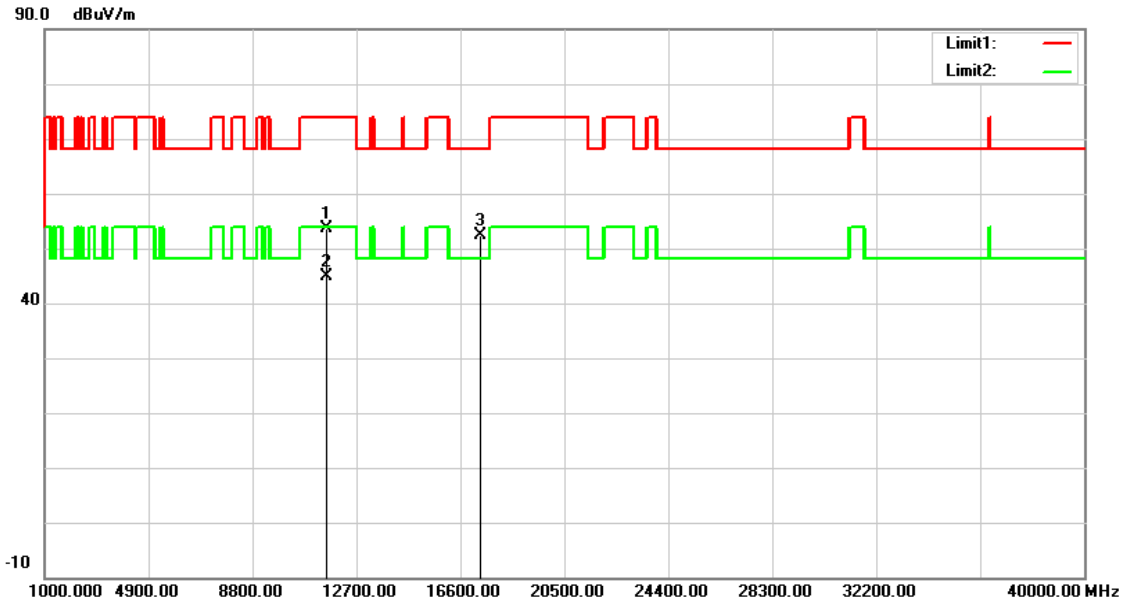
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	39.15	12.00	51.15	74.00	-22.85	peak
2	17355.000	34.42	18.30	52.72	68.20	-15.48	peak

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

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

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

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



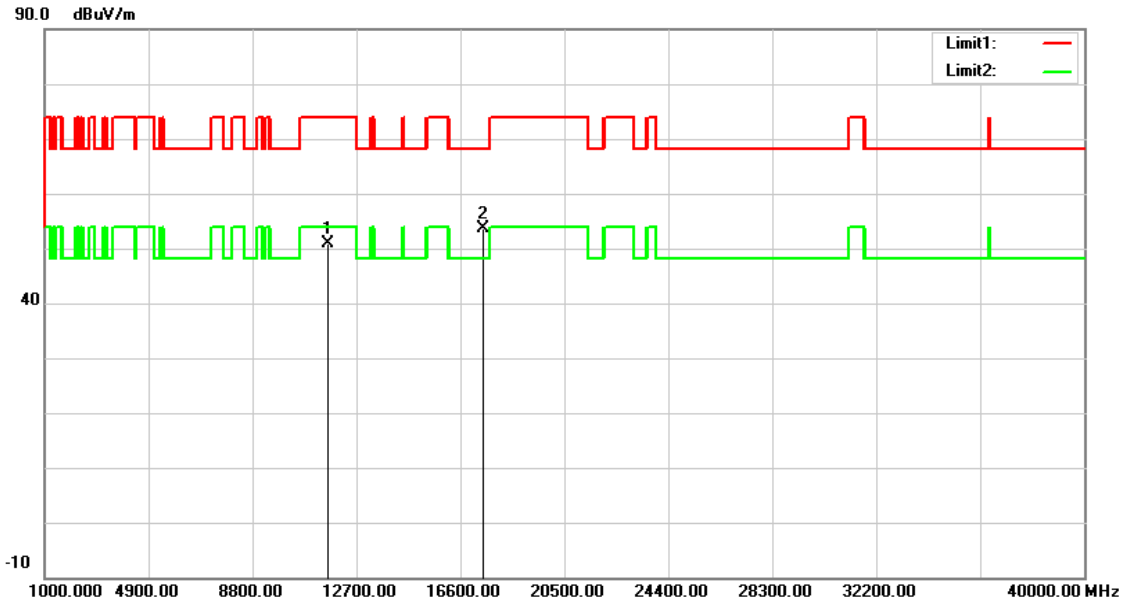
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	41.73	12.00	53.73	74.00	-20.27	peak
2	11570.000	32.80	12.00	44.80	54.00	-9.20	AVG
3	17355.000	34.04	18.30	52.34	68.20	-15.86	peak

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

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

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

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



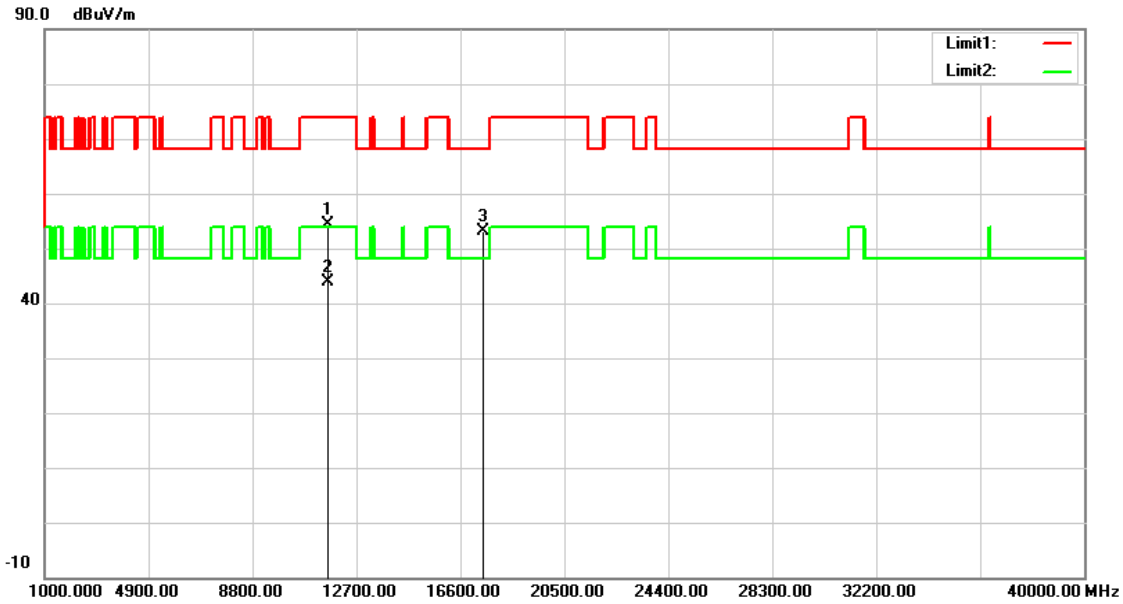
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	38.98	11.85	50.83	74.00	-23.17	peak
2	17475.000	34.68	19.07	53.75	68.20	-14.45	peak

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

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

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

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



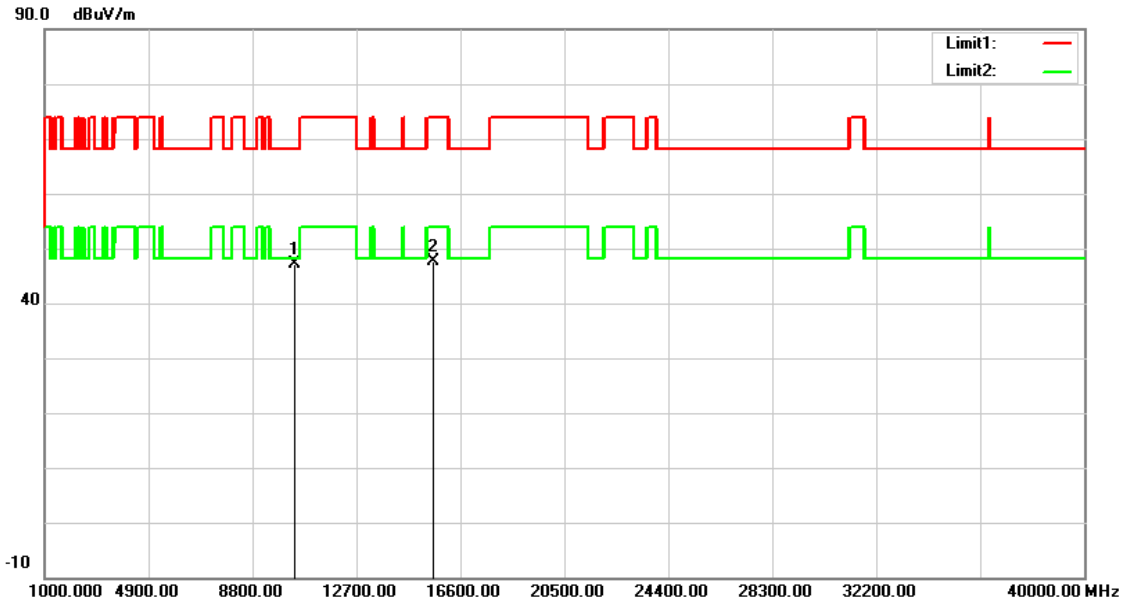
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	42.44	11.85	54.29	74.00	-19.71	peak
2	11650.000	32.03	11.85	43.88	54.00	-10.12	AVG
3	17475.000	34.00	19.07	53.07	68.20	-15.13	peak

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

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

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

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



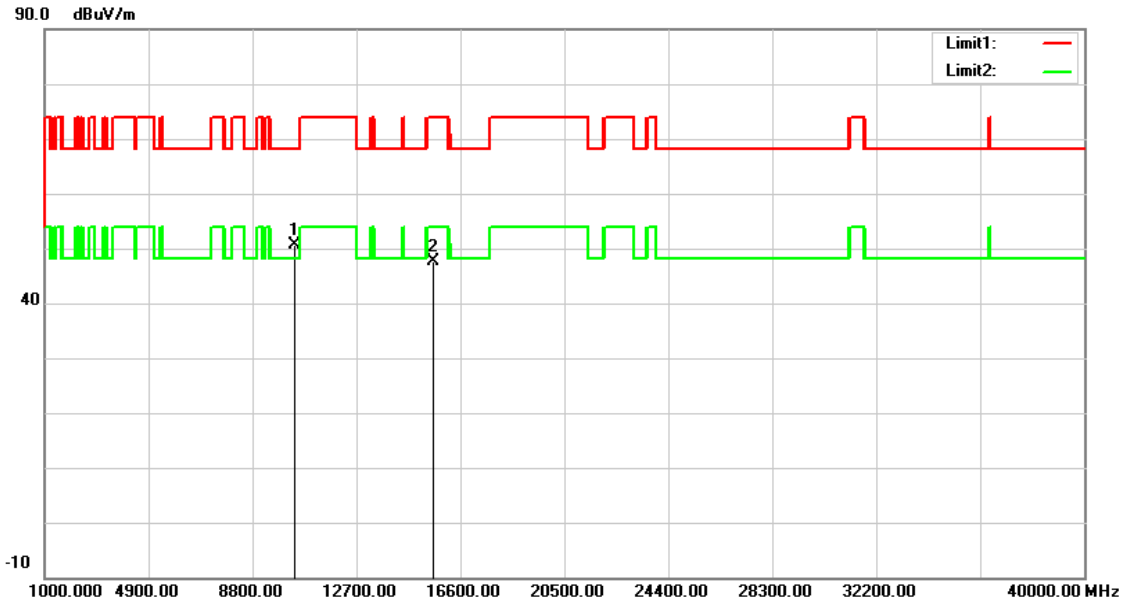
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	35.82	11.22	47.04	68.20	-21.16	peak
2	15570.000	34.06	13.60	47.66	74.00	-26.34	peak

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

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

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

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



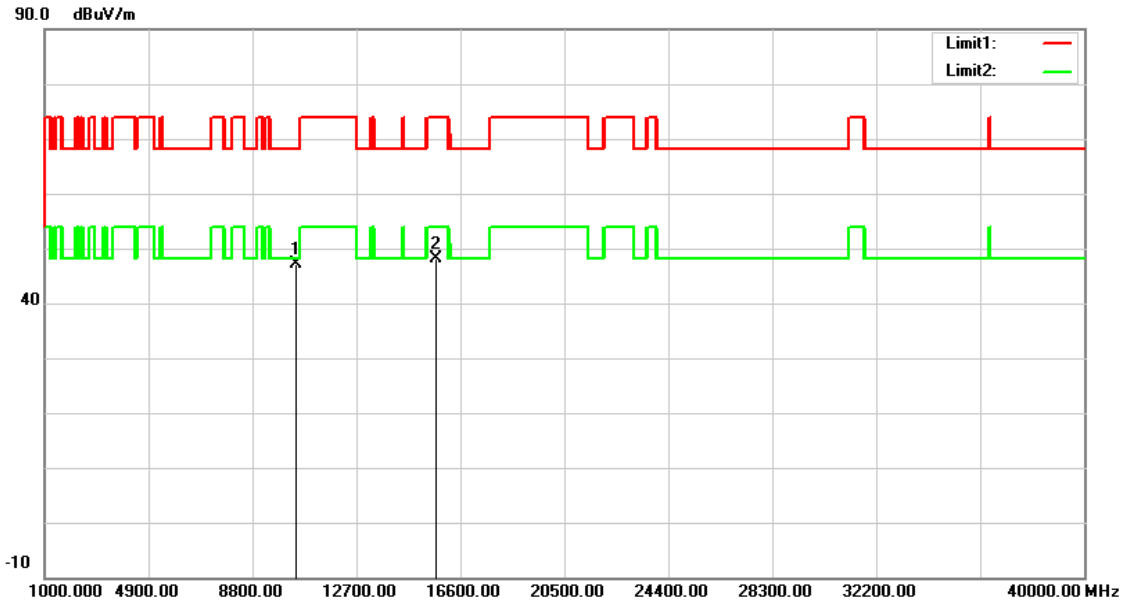
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	39.50	11.22	50.72	68.20	-17.48	peak
2	15570.000	34.03	13.60	47.63	74.00	-26.37	peak

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

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

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

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



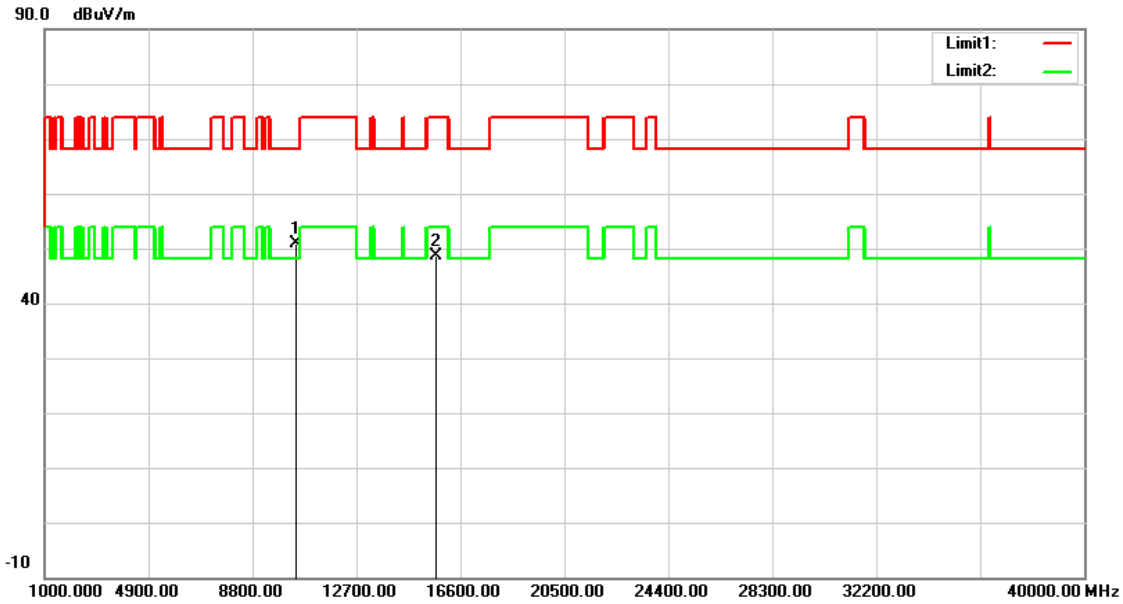
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	35.69	11.42	47.11	68.20	-21.09	peak
2	15690.000	34.61	13.42	48.03	74.00	-25.97	peak

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

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

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

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



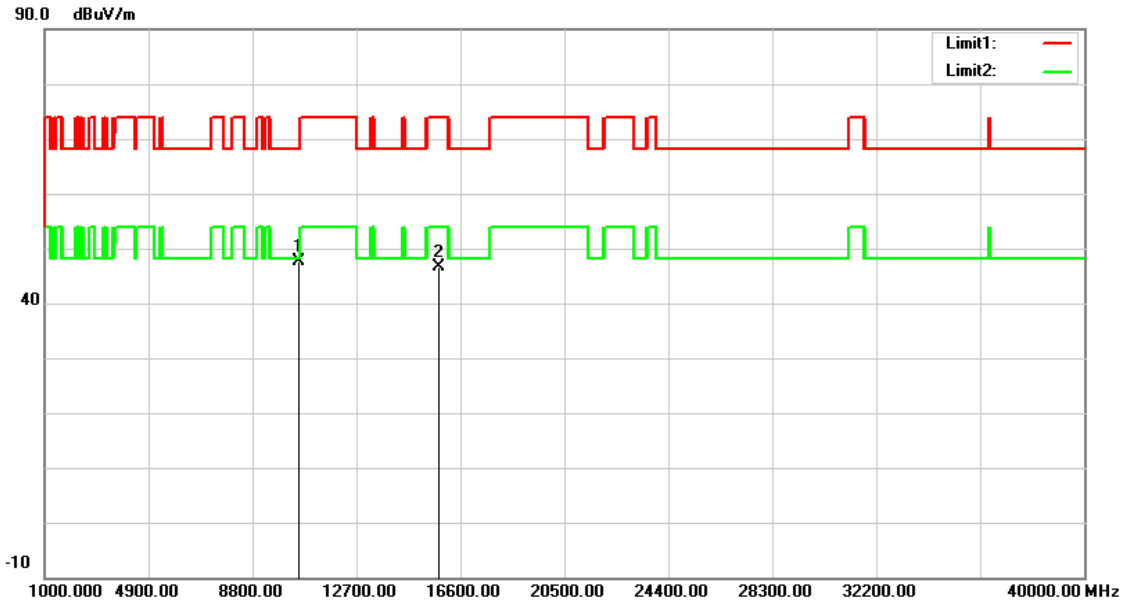
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	39.46	11.42	50.88	68.20	-17.32	peak
2	15690.000	35.15	13.42	48.57	74.00	-25.43	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5270 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



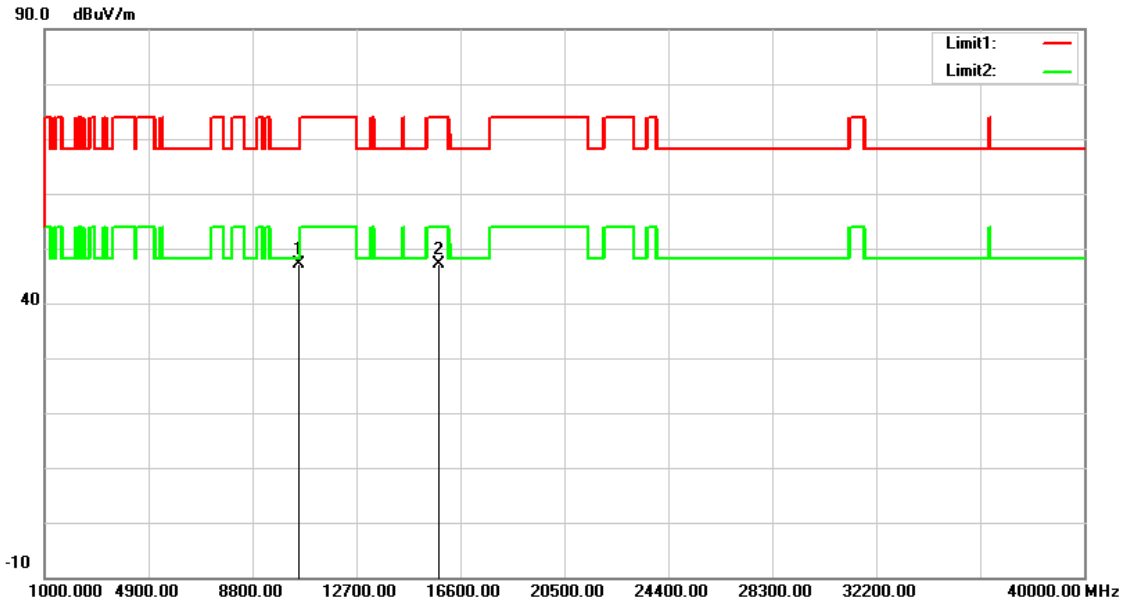
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	36.08	11.52	47.60	68.20	-20.60	peak
2	15810.000	33.41	13.25	46.66	74.00	-27.34	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5270 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



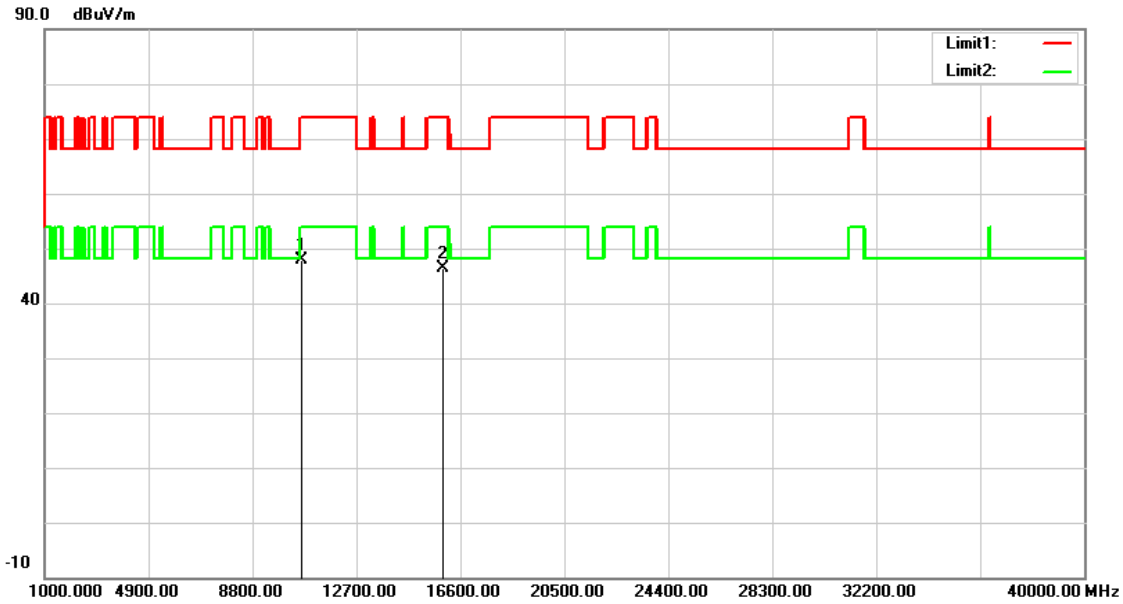
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	35.56	11.52	47.08	68.20	-21.12	peak
2	15810.000	33.77	13.25	47.02	74.00	-26.98	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5310 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



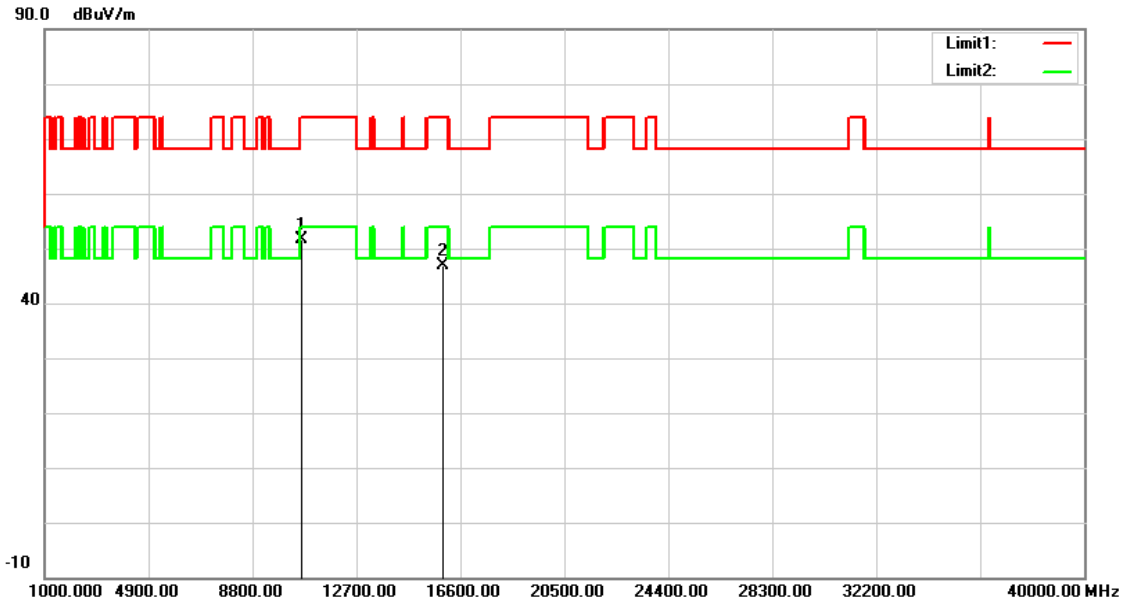
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	36.37	11.53	47.90	74.00	-26.10	peak
2	15930.000	33.30	13.07	46.37	74.00	-27.63	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5310 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



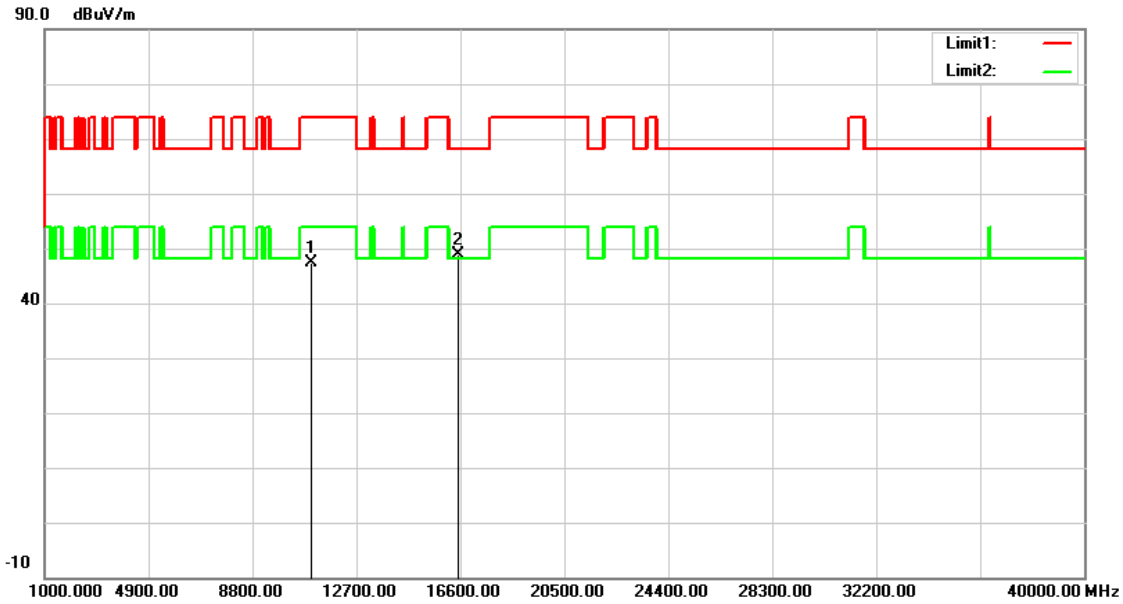
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	40.05	11.53	51.58	74.00	-22.42	peak
2	15930.000	33.86	13.07	46.93	74.00	-27.07	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5510 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



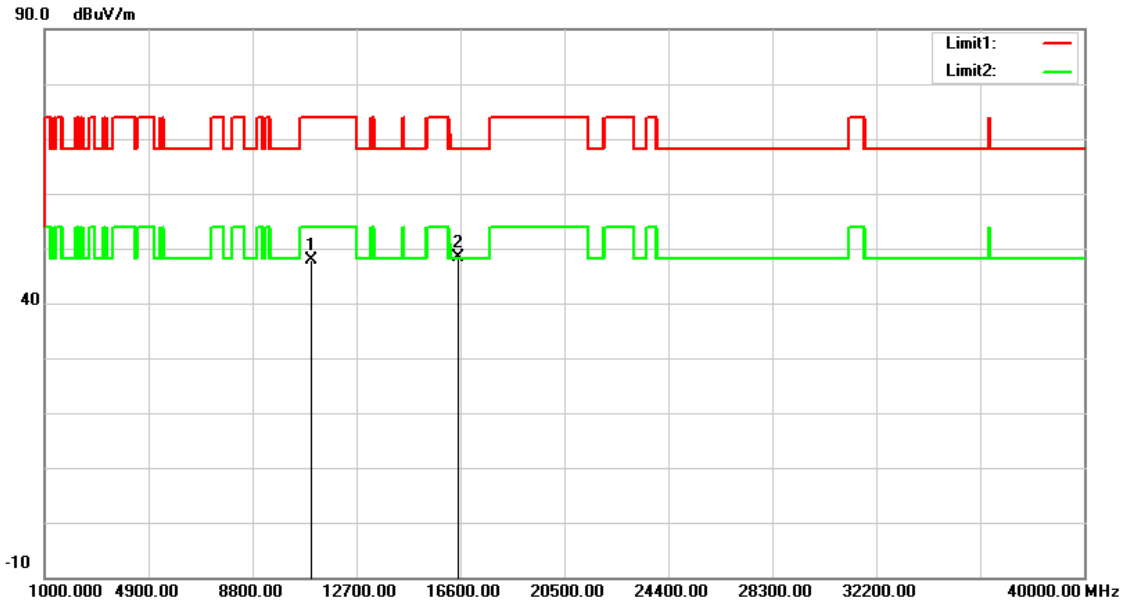
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	35.73	11.62	47.35	74.00	-26.65	peak
2	16530.000	35.13	13.84	48.97	68.20	-19.23	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5510 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



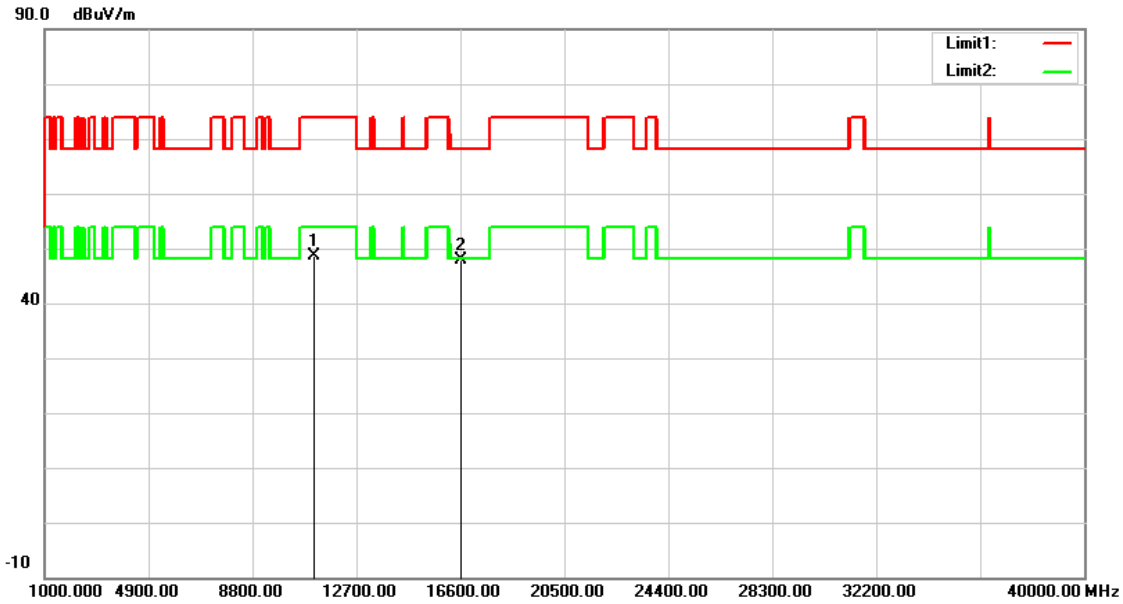
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	36.26	11.62	47.88	74.00	-26.12	peak
2	16530.000	34.45	13.84	48.29	68.20	-19.91	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5550 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



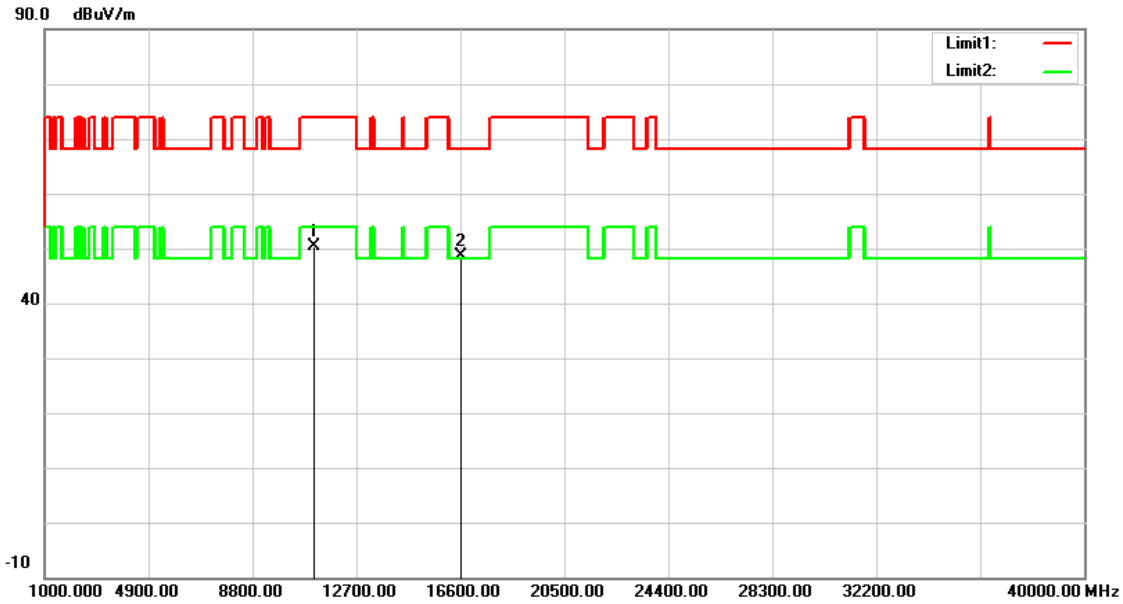
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	36.84	11.70	48.54	74.00	-25.46	peak
2	16650.000	33.53	14.41	47.94	68.20	-20.26	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5550 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



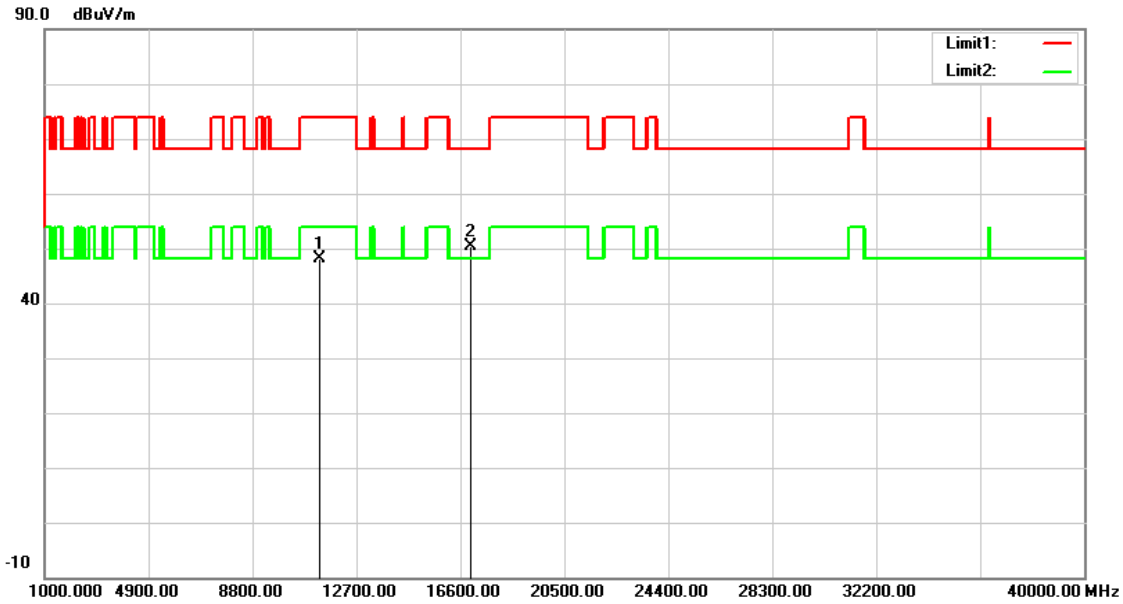
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	38.60	11.70	50.30	74.00	-23.70	peak
2	16650.000	34.11	14.41	48.52	68.20	-19.68	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5670 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



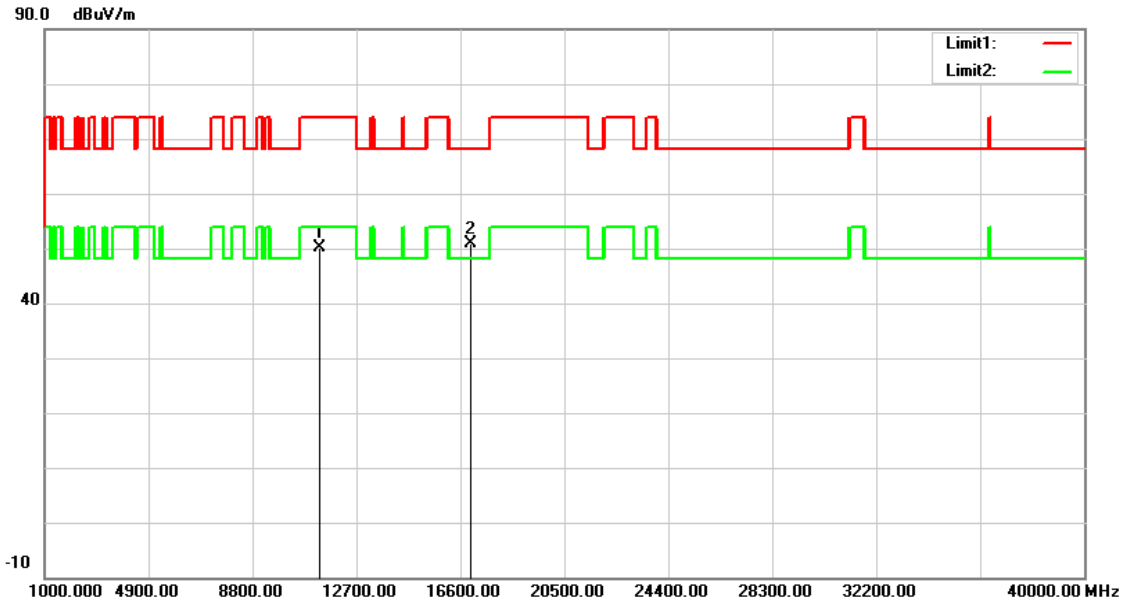
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	36.28	11.96	48.24	74.00	-25.76	peak
2	17010.000	34.16	16.12	50.28	68.20	-17.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5670 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



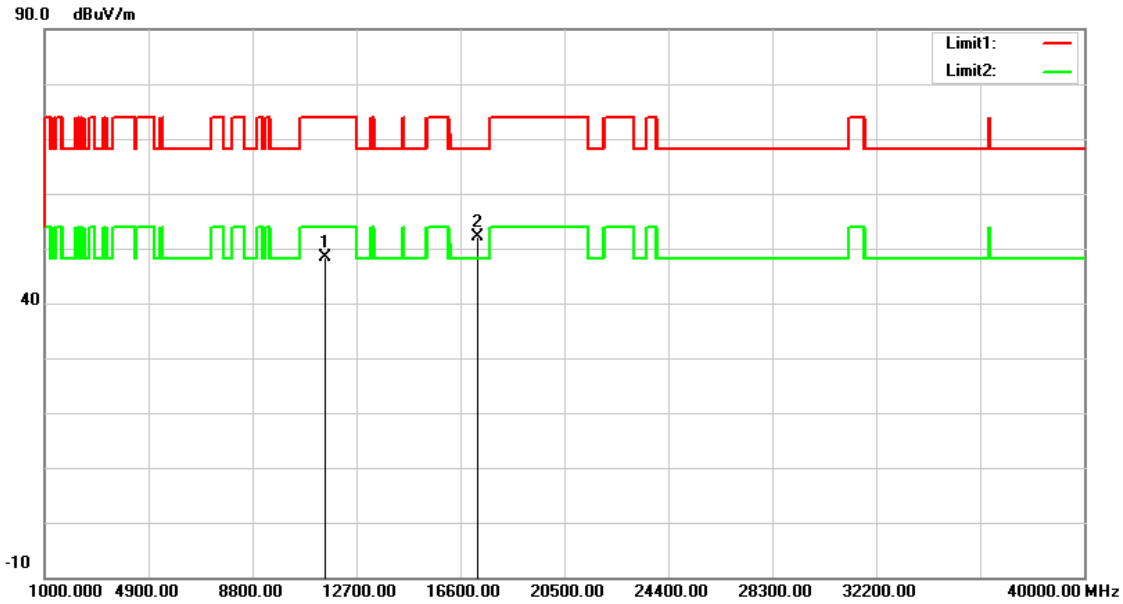
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	38.13	11.96	50.09	74.00	-23.91	peak
2	17010.000	34.74	16.12	50.86	68.20	-17.34	peak

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

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

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

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



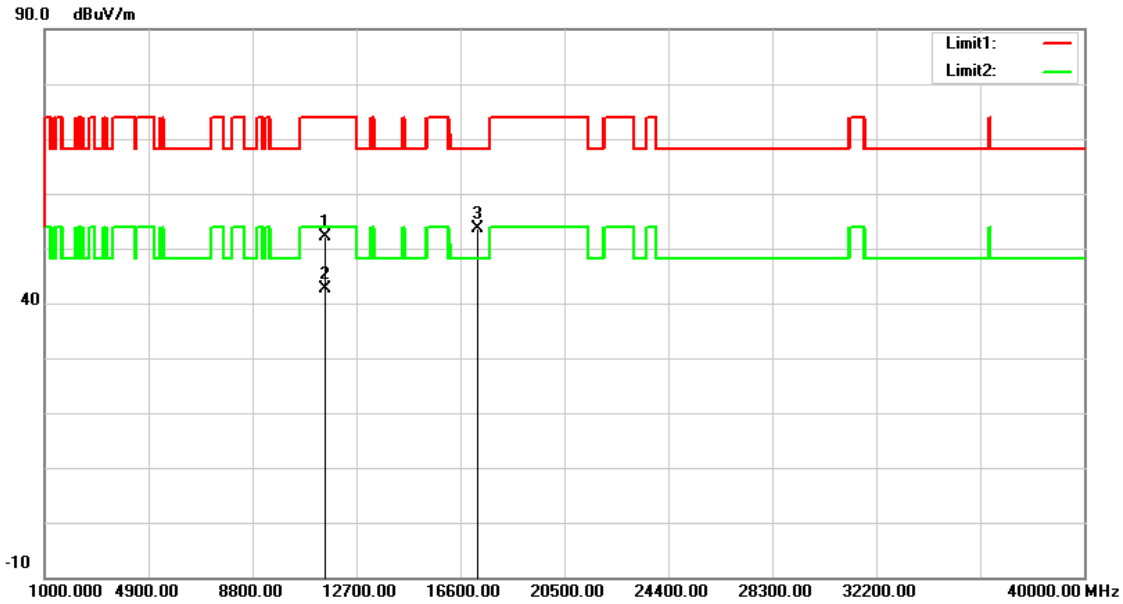
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	36.35	12.12	48.47	74.00	-25.53	peak
2	17265.000	34.35	17.74	52.09	68.20	-16.11	peak

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

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

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

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



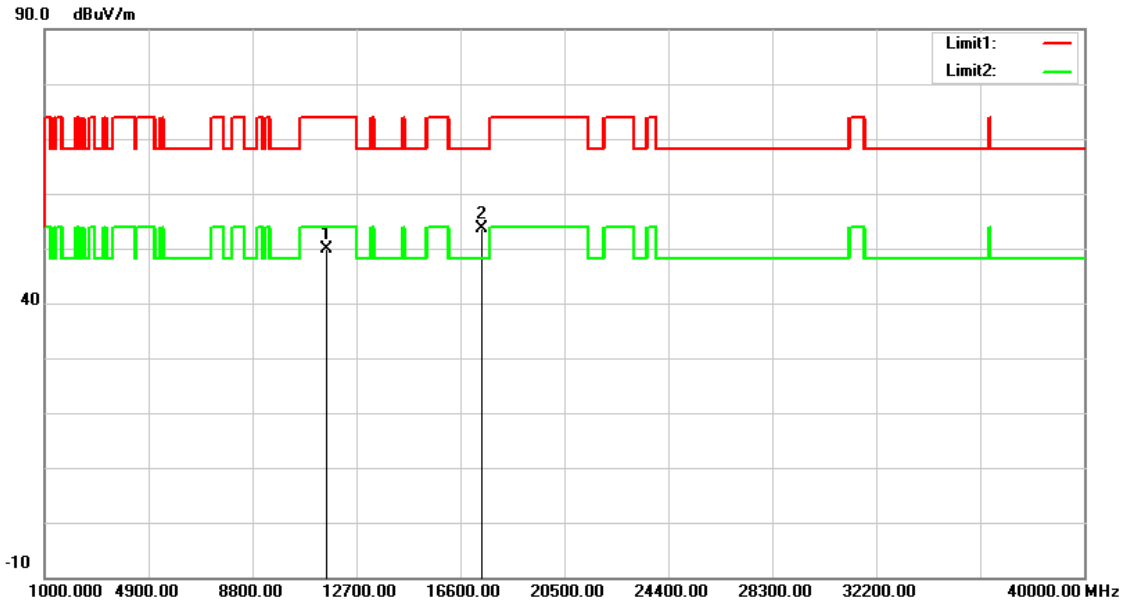
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	40.05	12.12	52.17	74.00	-21.83	peak
2	11510.000	30.47	12.12	42.59	54.00	-11.41	AVG
3	17265.000	35.84	17.74	53.58	68.20	-14.62	peak

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		
Frequency:	5795 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



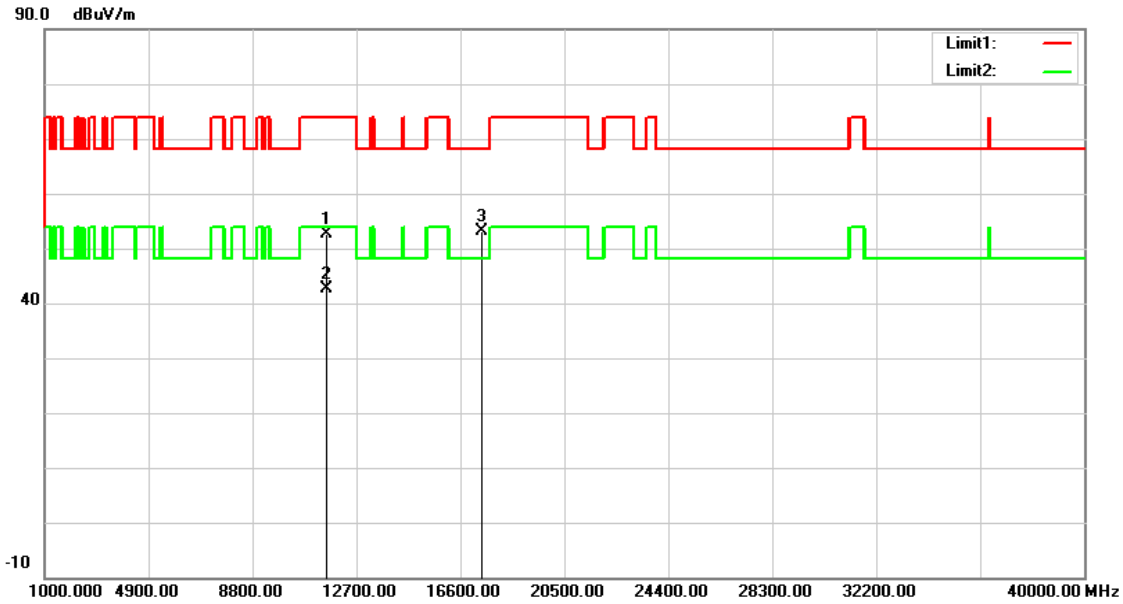
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	37.83	11.96	49.79	74.00	-24.21	peak
2	17385.000	35.03	18.50	53.53	68.20	-14.67	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5795 MHz		
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	40.75	11.96	52.71	74.00	-21.29	peak
2	11590.000	30.55	11.96	42.51	54.00	-11.49	AVG
3	17385.000	34.70	18.50	53.20	68.20	-15.00	peak

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

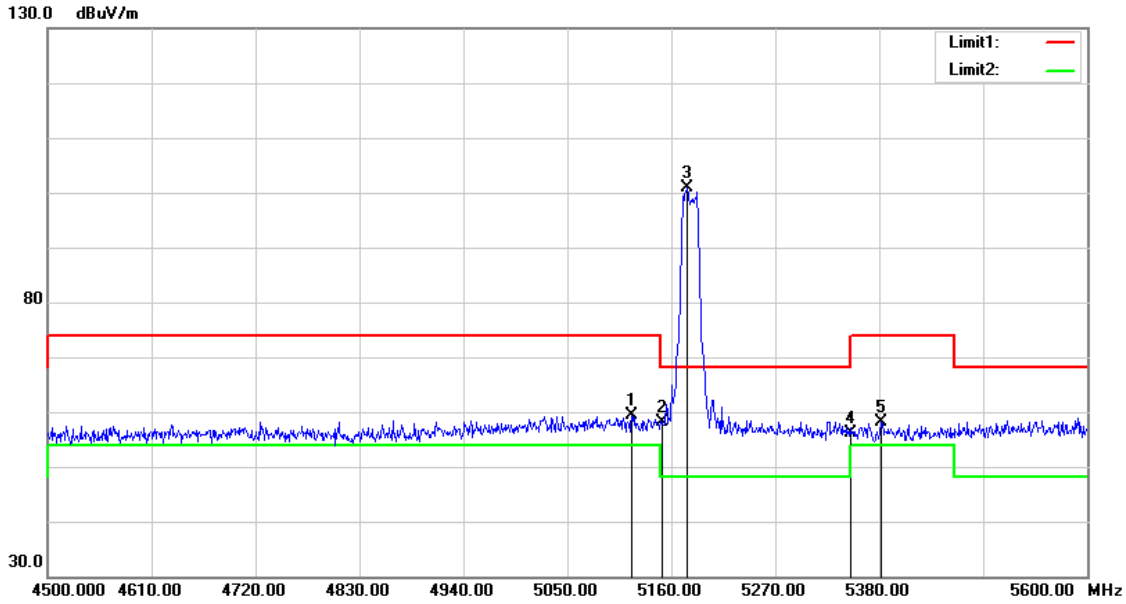
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Band Edge

Peak

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



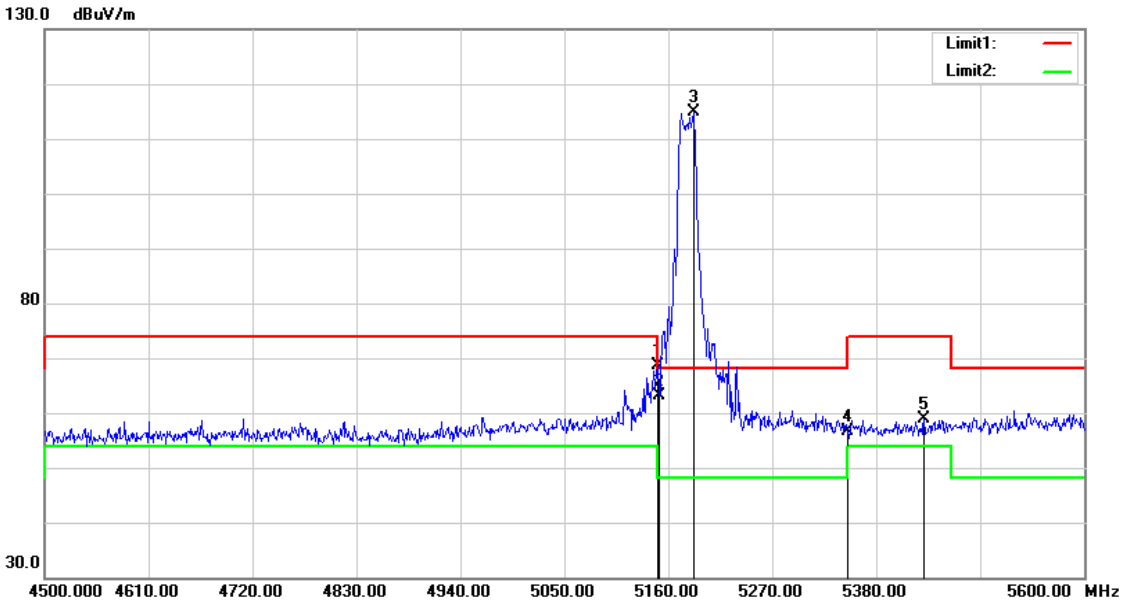
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5118.200	60.66	-1.39	59.27	74.00	-14.73	peak
2	5150.000	59.37	-1.33	58.04	74.00	-15.96	peak
3	5176.500	102.22	-1.28	100.94	--	--	peak
4	5350.000	56.95	-0.92	56.03	74.00	-17.97	peak
5	5382.200	59.03	-0.86	58.17	74.00	-15.83	peak

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

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

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

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



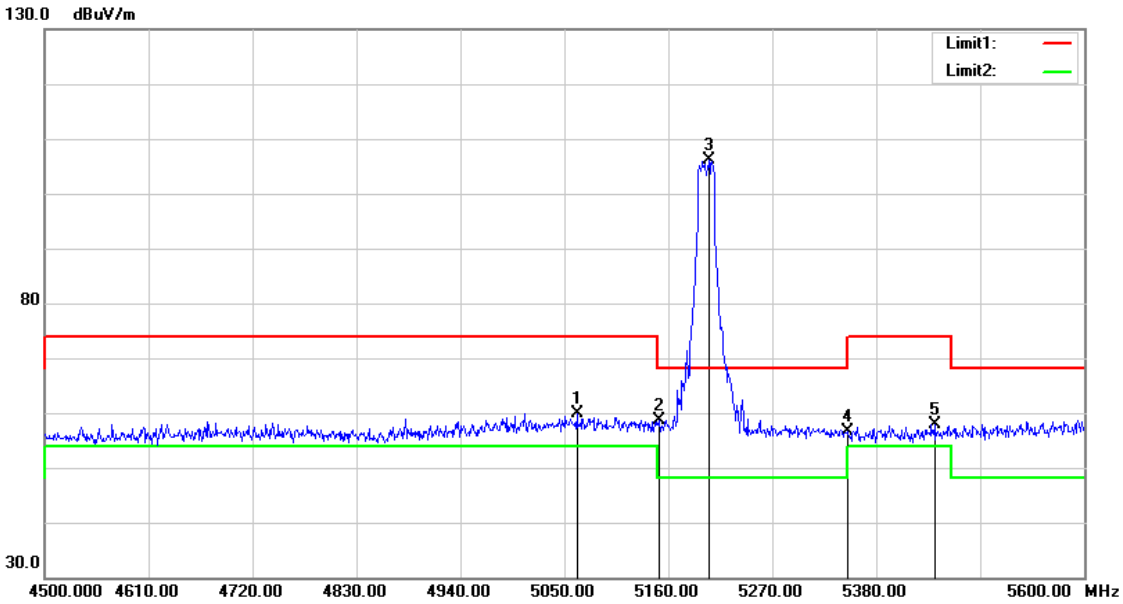
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5149.000	69.95	-1.33	68.62	74.00	-5.38	peak
2	5150.000	64.46	-1.33	63.13	74.00	-10.87	peak
3	5186.400	116.21	-1.25	114.96	--	--	peak
4	5350.000	57.61	-0.92	56.69	74.00	-17.31	peak
5	5430.600	59.59	-0.77	58.82	74.00	-15.18	peak

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

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

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

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



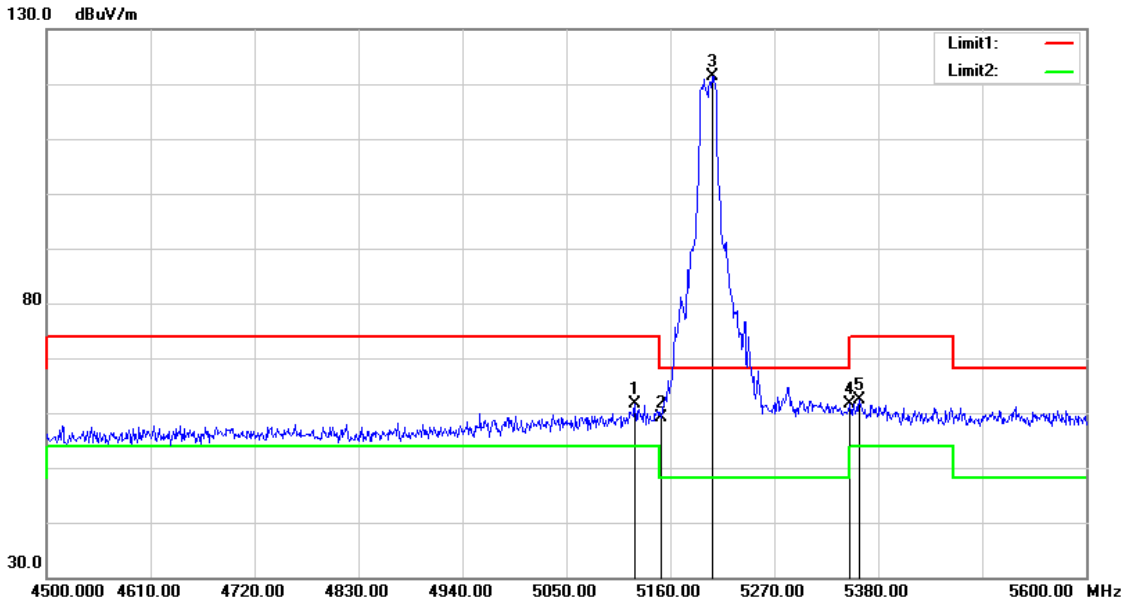
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5063.200	61.42	-1.50	59.92	74.00	-14.08	peak
2	5150.000	59.87	-1.33	58.54	74.00	-15.46	peak
3	5202.900	107.41	-1.22	106.19	--	--	peak
4	5350.000	57.57	-0.92	56.65	74.00	-17.35	peak
5	5441.600	58.53	-0.75	57.78	74.00	-16.22	peak

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

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

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

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



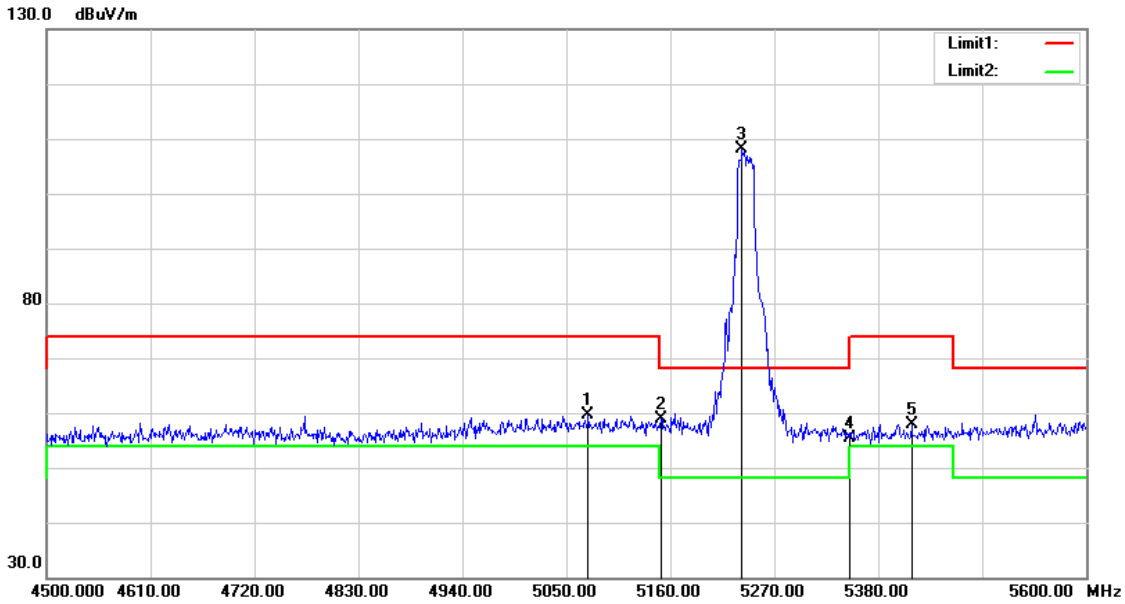
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5122.600	63.02	-1.38	61.64	74.00	-12.36	peak
2	5150.000	60.42	-1.33	59.09	74.00	-14.91	peak
3	5204.000	122.68	-1.22	121.46	--	--	peak
4	5350.000	62.58	-0.92	61.66	74.00	-12.34	peak
5	5360.200	63.22	-0.91	62.31	74.00	-11.69	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:	3 m
Test item:	Band edge		
Frequency:	5240 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



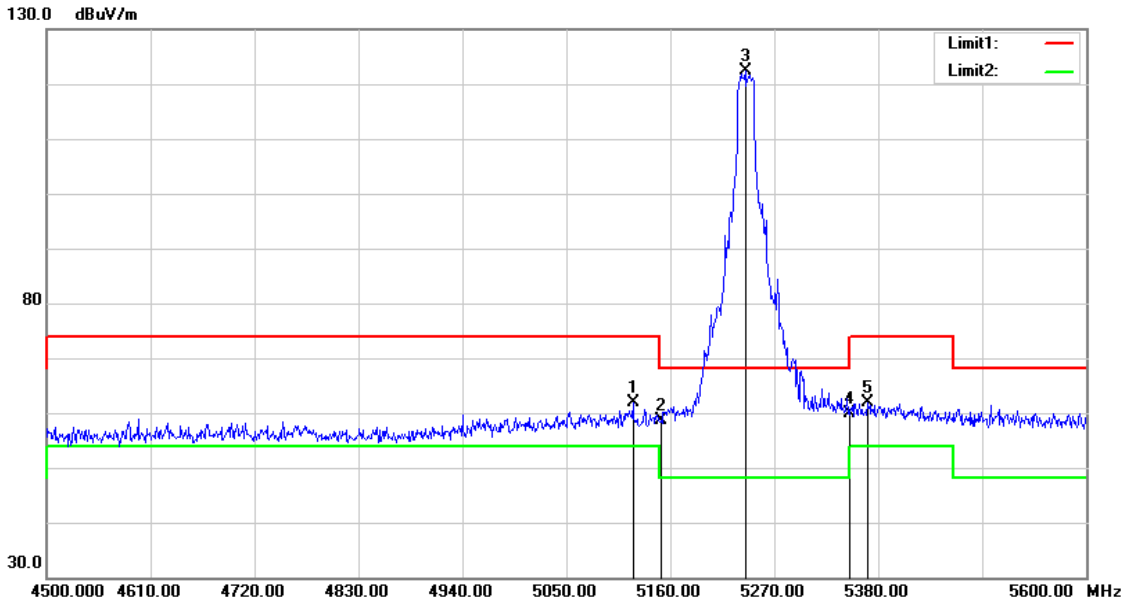
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5073.100	61.07	-1.48	59.59	74.00	-14.41	peak
2	5150.000	60.20	-1.33	58.87	74.00	-15.13	peak
3	5235.900	109.26	-1.16	108.10	--	--	peak
4	5350.000	56.26	-0.92	55.34	74.00	-18.66	peak
5	5415.200	58.75	-0.80	57.95	74.00	-16.05	peak

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

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

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

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



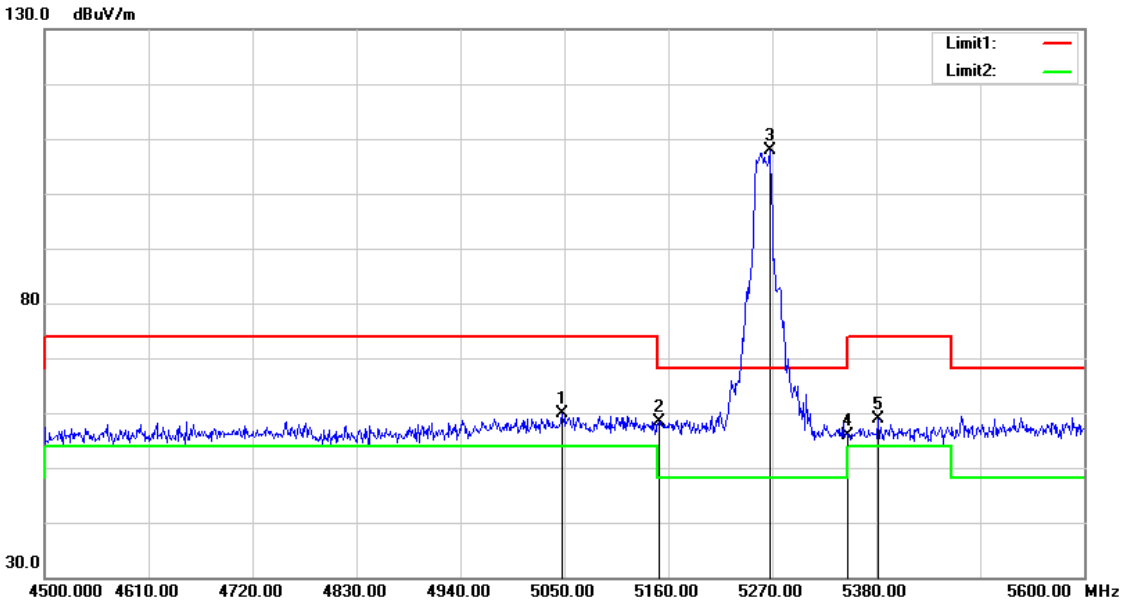
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5120.400	63.32	-1.38	61.94	74.00	-12.06	peak
2	5150.000	59.94	-1.33	58.61	74.00	-15.39	peak
3	5239.200	123.45	-1.16	122.29	--	--	peak
4	5350.000	60.85	-0.92	59.93	74.00	-14.07	peak
5	5369.000	62.87	-0.88	61.99	74.00	-12.01	peak

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

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

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

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



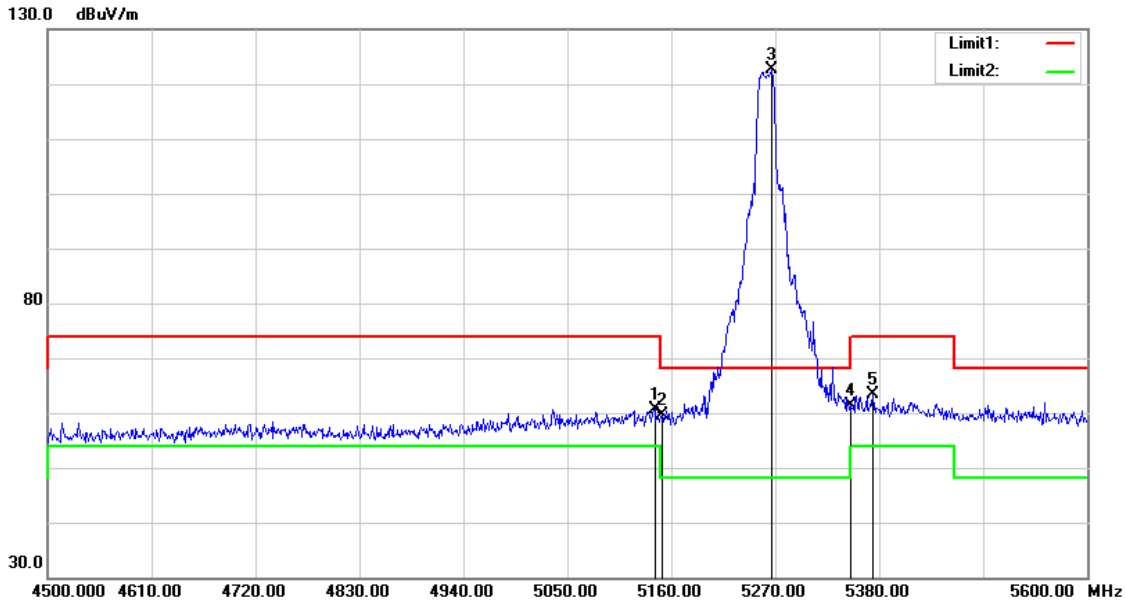
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5047.800	61.52	-1.54	59.98	74.00	-14.02	peak
2	5150.000	59.71	-1.33	58.38	74.00	-15.62	peak
3	5267.800	109.01	-1.09	107.92	--	--	peak
4	5350.000	56.84	-0.92	55.92	74.00	-18.08	peak
5	5382.200	59.83	-0.86	58.97	74.00	-15.03	peak

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

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

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

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



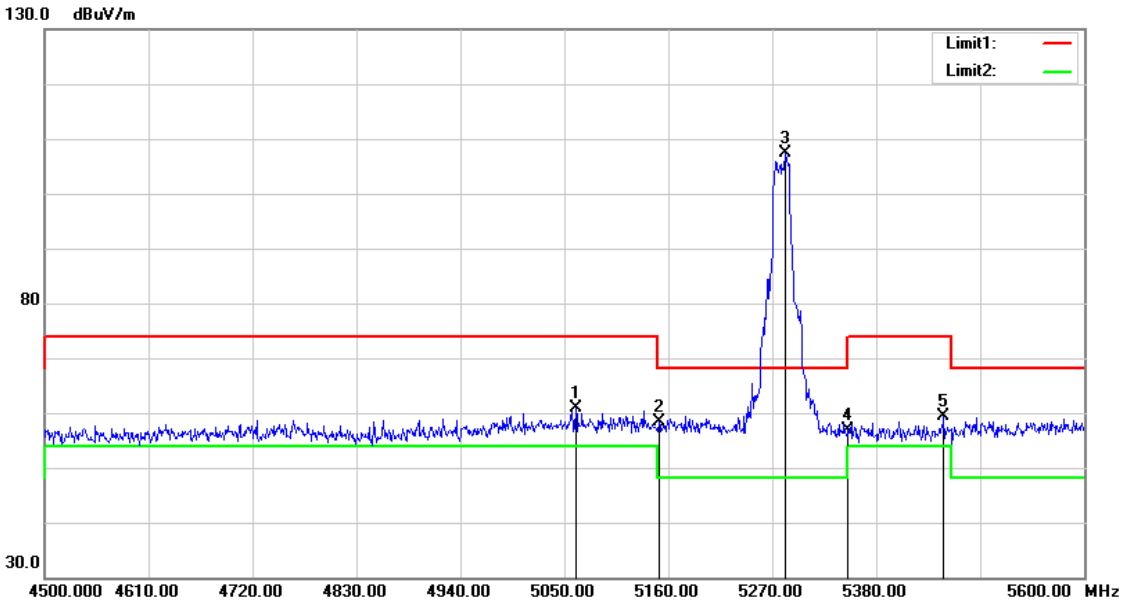
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.400	62.10	-1.35	60.75	74.00	-13.25	peak
2	5150.000	60.88	-1.33	59.55	74.00	-14.45	peak
3	5265.600	123.71	-1.10	122.61	--	--	peak
4	5350.000	62.29	-0.92	61.37	74.00	-12.63	peak
5	5373.400	64.30	-0.88	63.42	74.00	-10.58	peak

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

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

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

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



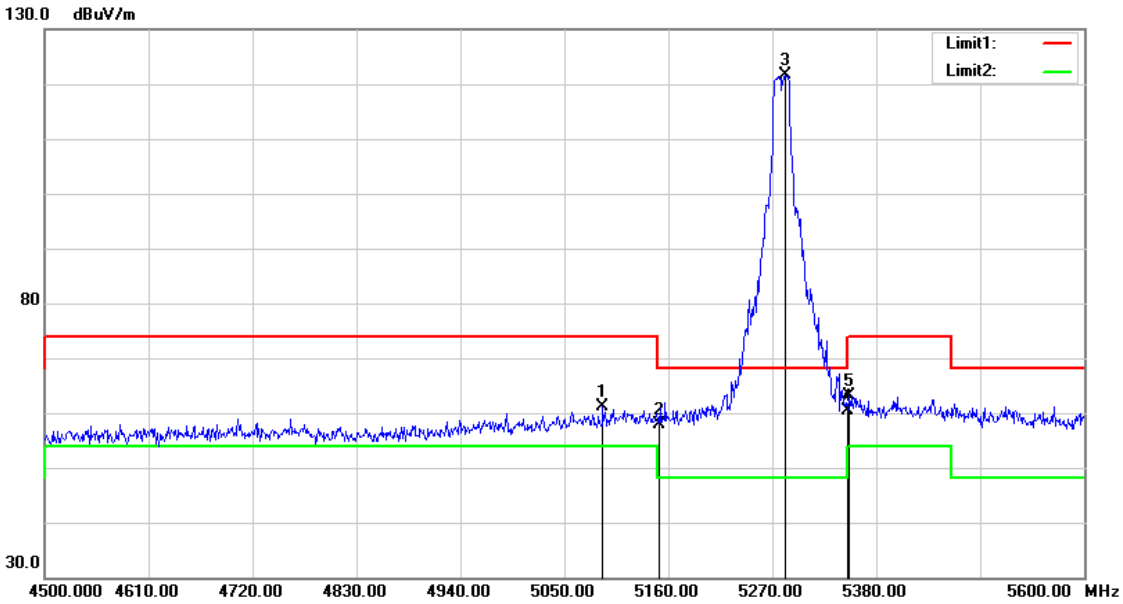
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5062.100	62.33	-1.50	60.83	74.00	-13.17	peak
2	5150.000	59.74	-1.33	58.41	74.00	-15.59	peak
3	5283.200	108.53	-1.05	107.48	--	--	peak
4	5350.000	57.89	-0.92	56.97	74.00	-17.03	peak
5	5451.500	60.07	-0.72	59.35	74.00	-14.65	peak

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

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

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

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



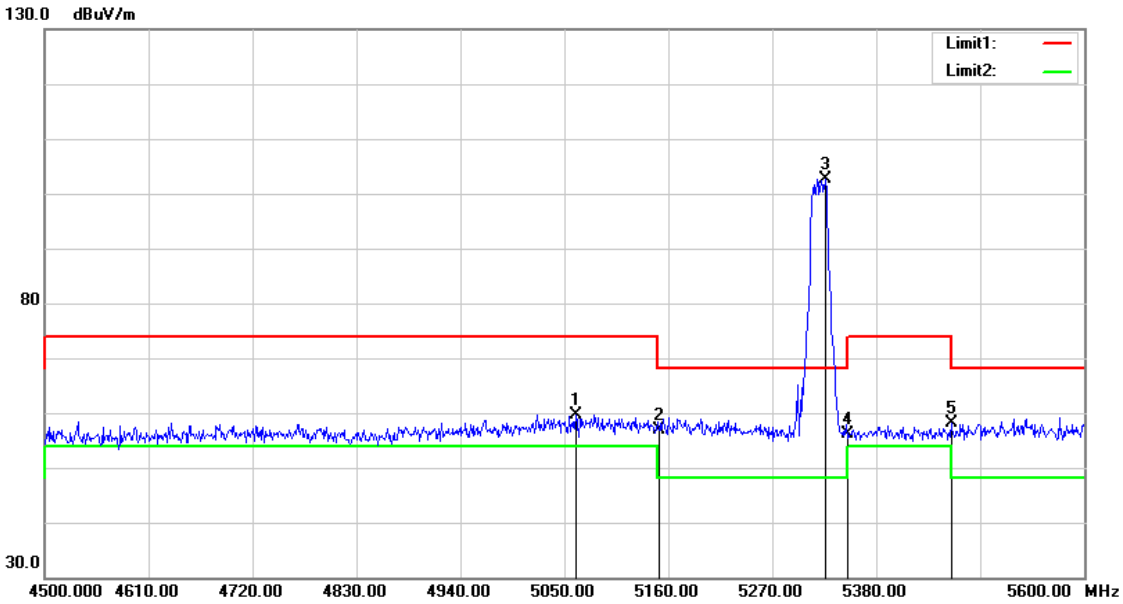
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5090.700	62.52	-1.45	61.07	74.00	-12.93	peak
2	5150.000	59.12	-1.33	57.79	74.00	-16.21	peak
3	5283.200	122.62	-1.05	121.57	--	--	peak
4	5350.000	61.33	-0.92	60.41	74.00	-13.59	peak
5	5351.400	64.14	-0.92	63.22	74.00	-10.78	peak

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

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

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

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



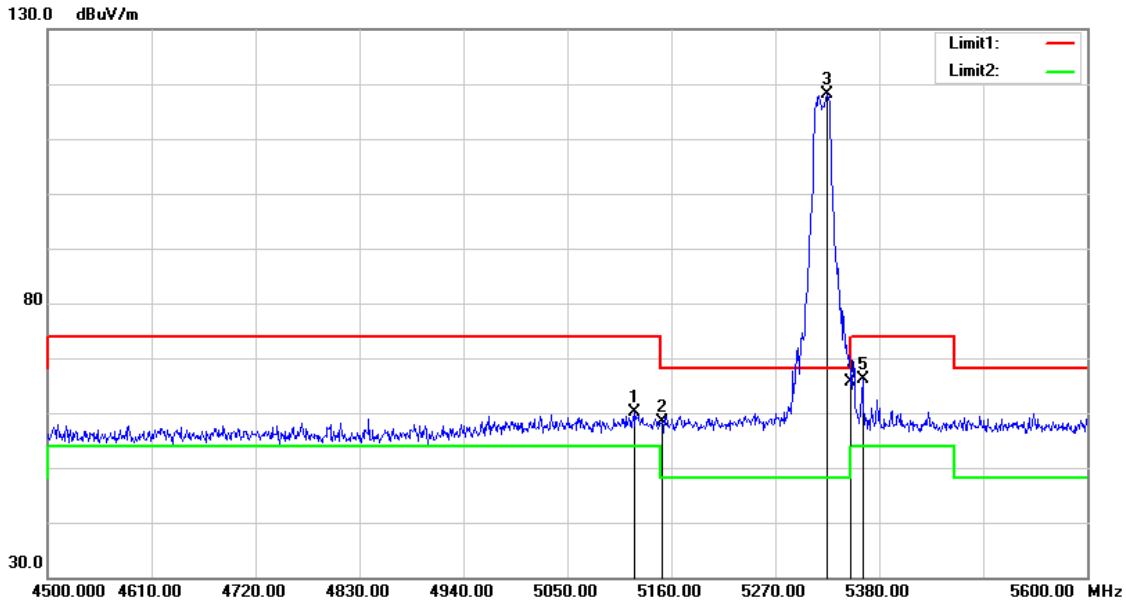
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5062.100	61.25	-1.50	59.75	74.00	-14.25	peak
2	5150.000	58.17	-1.33	56.84	74.00	-17.16	peak
3	5326.100	103.60	-0.97	102.63	--	--	peak
4	5350.000	57.12	-0.92	56.20	74.00	-17.80	peak
5	5459.200	58.76	-0.70	58.06	74.00	-15.94	peak

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

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

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

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



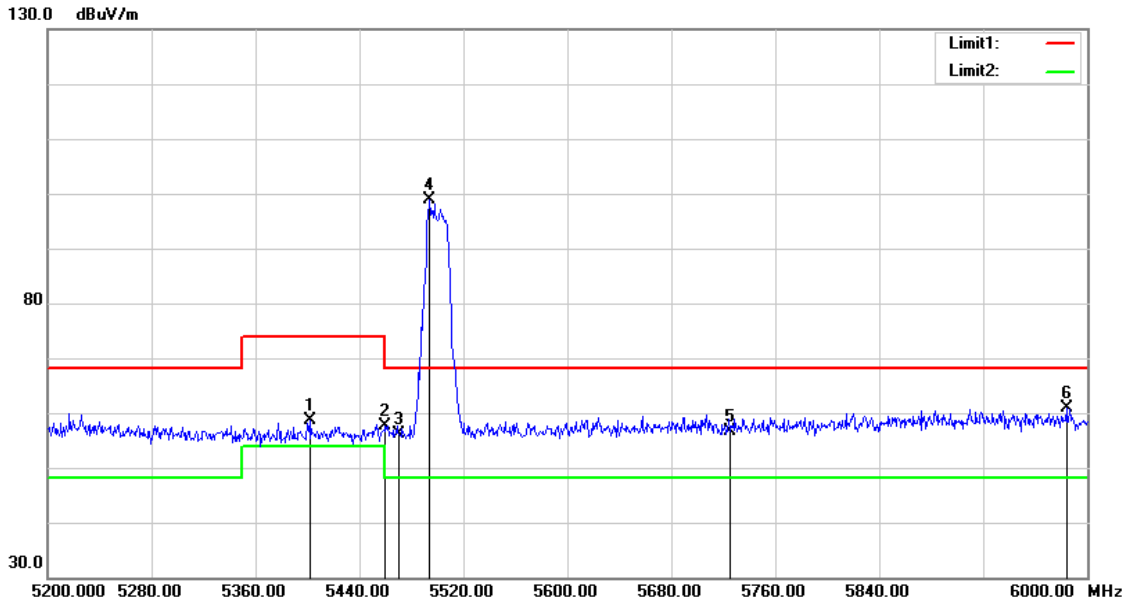
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5121.500	61.50	-1.38	60.12	74.00	-13.88	peak
2	5150.000	59.78	-1.33	58.45	74.00	-15.55	peak
3	5325.000	119.09	-0.97	118.12	--	--	peak
4	5350.000	66.61	-0.92	65.69	74.00	-8.31	peak
5	5362.400	67.14	-0.91	66.23	74.00	-7.77	peak

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

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

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

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



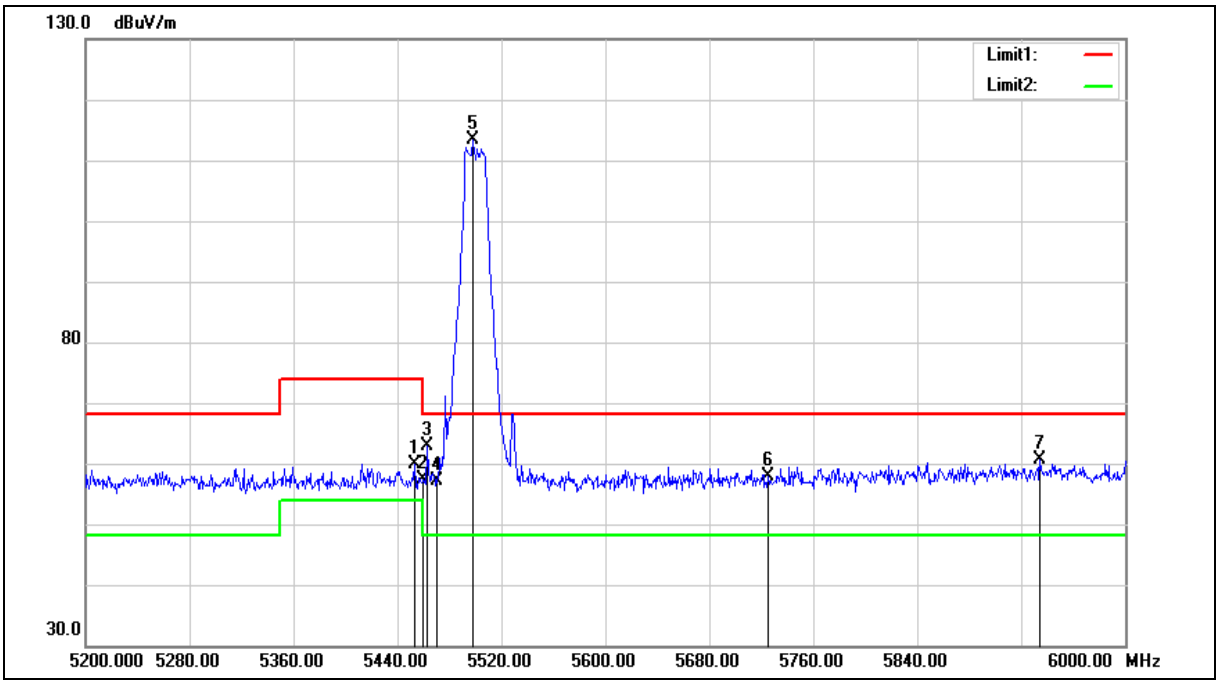
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5402.400	59.50	-0.83	58.67	74.00	-15.33	peak
2	5460.000	58.33	-0.70	57.63	74.00	-16.37	peak
3	5470.000	56.71	-0.68	56.03	68.20	-12.17	peak
4	5493.600	99.48	-0.64	98.84	--	--	peak
5	5725.000	56.82	-0.10	56.72	68.20	-11.48	peak
6	5984.000	60.25	0.51	60.76	68.20	-7.44	peak

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

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

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

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



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

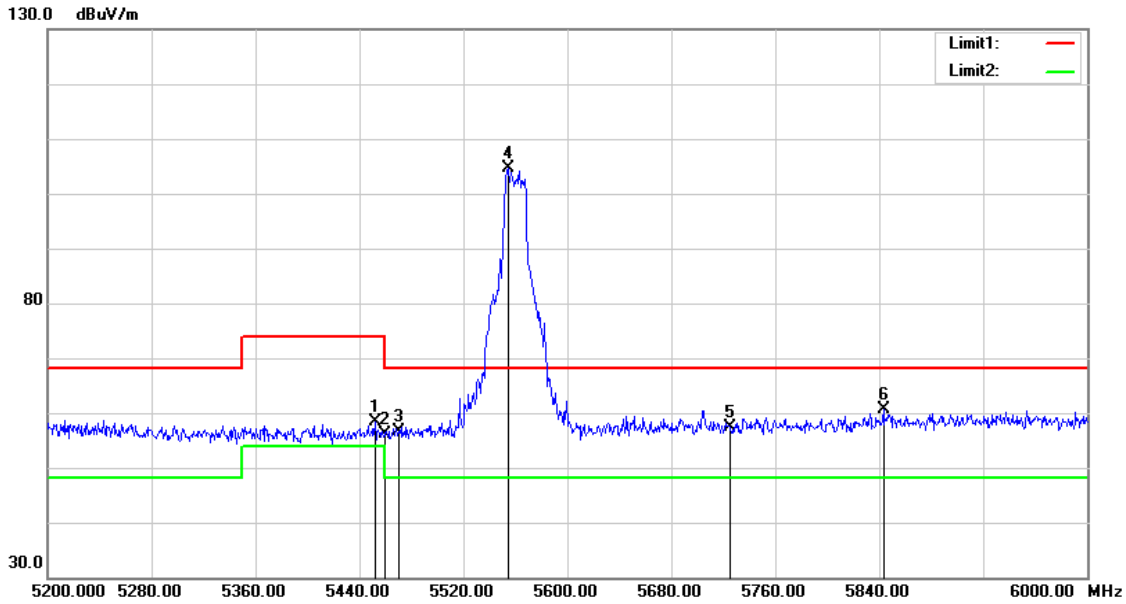
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	60.66	-0.72	59.94	74.00	-14.06	peak
2	5460.000	58.05	-0.70	57.35	74.00	-16.65	peak
3	5463.200	63.53	-0.70	62.83	68.20	-5.37	peak
4	5470.000	57.84	-0.68	57.16	68.20	-11.04	peak
5	5497.600	114.13	-0.63	113.50	--	--	peak
6	5725.000	57.86	-0.10	57.76	68.20	-10.44	peak
7	5934.400	60.27	0.39	60.66	68.20	-7.54	peak

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

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

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

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



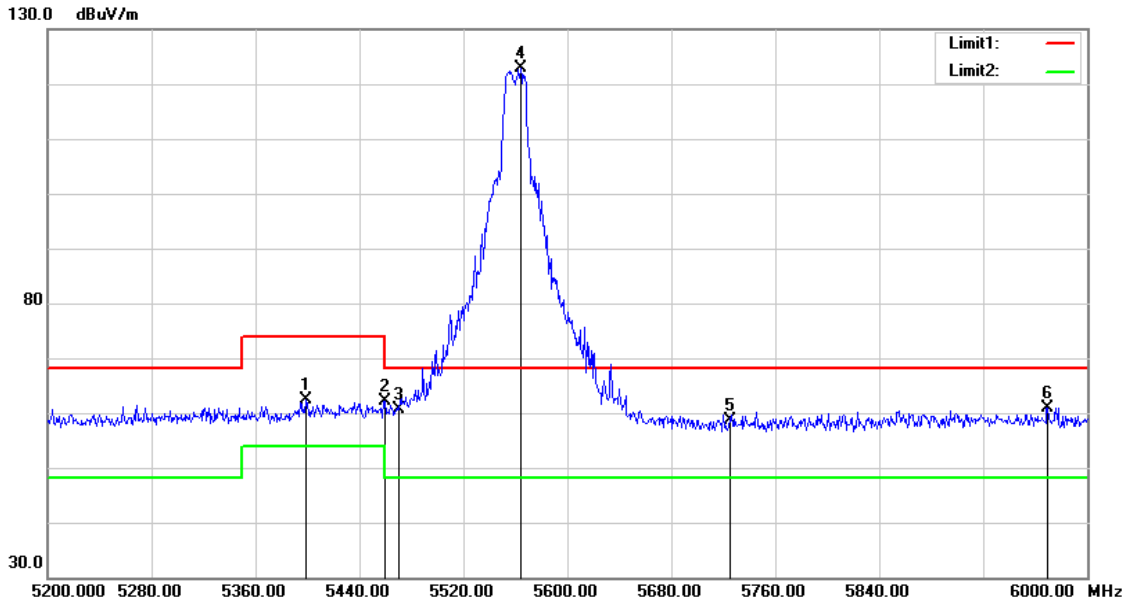
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.000	59.07	-0.72	58.35	74.00	-15.65	peak
2	5460.000	56.91	-0.70	56.21	74.00	-17.79	peak
3	5470.000	57.20	-0.68	56.52	68.20	-11.68	peak
4	5554.400	105.15	-0.50	104.65	--	--	peak
5	5725.000	57.60	-0.10	57.50	68.20	-10.70	peak
6	5843.200	60.44	0.18	60.62	68.20	-7.58	peak

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

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

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

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



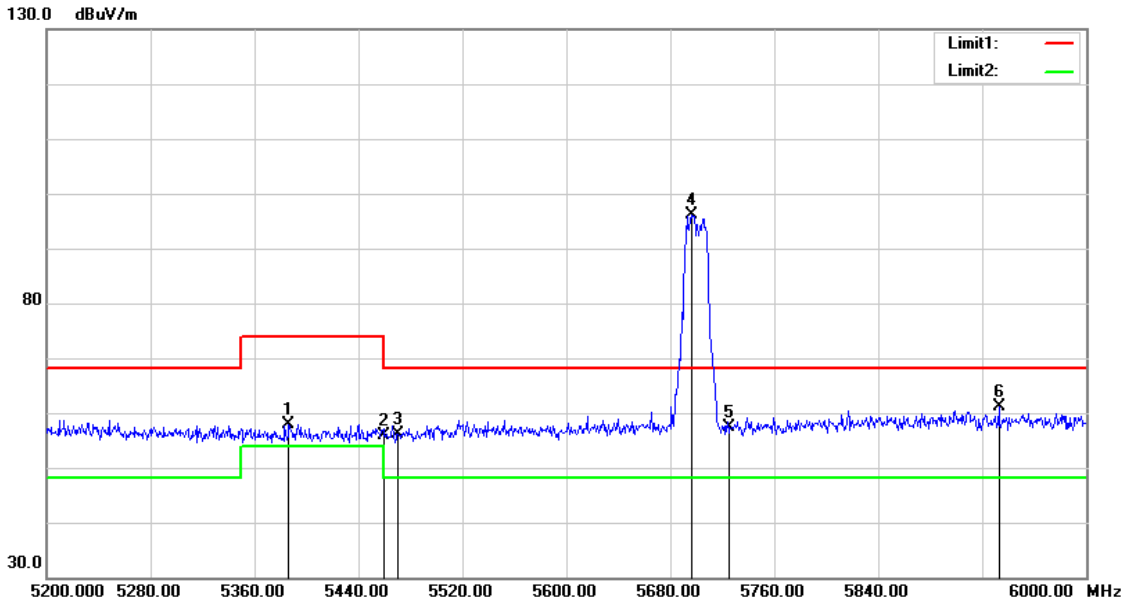
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5398.400	63.25	-0.83	62.42	74.00	-11.58	peak
2	5460.000	62.86	-0.70	62.16	74.00	-11.84	peak
3	5470.000	61.35	-0.68	60.67	68.20	-7.53	peak
4	5564.000	123.25	-0.47	122.78	--	--	peak
5	5725.000	58.65	-0.10	58.55	68.20	-9.65	peak
6	5969.600	60.44	0.48	60.92	68.20	-7.28	peak

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

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

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

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



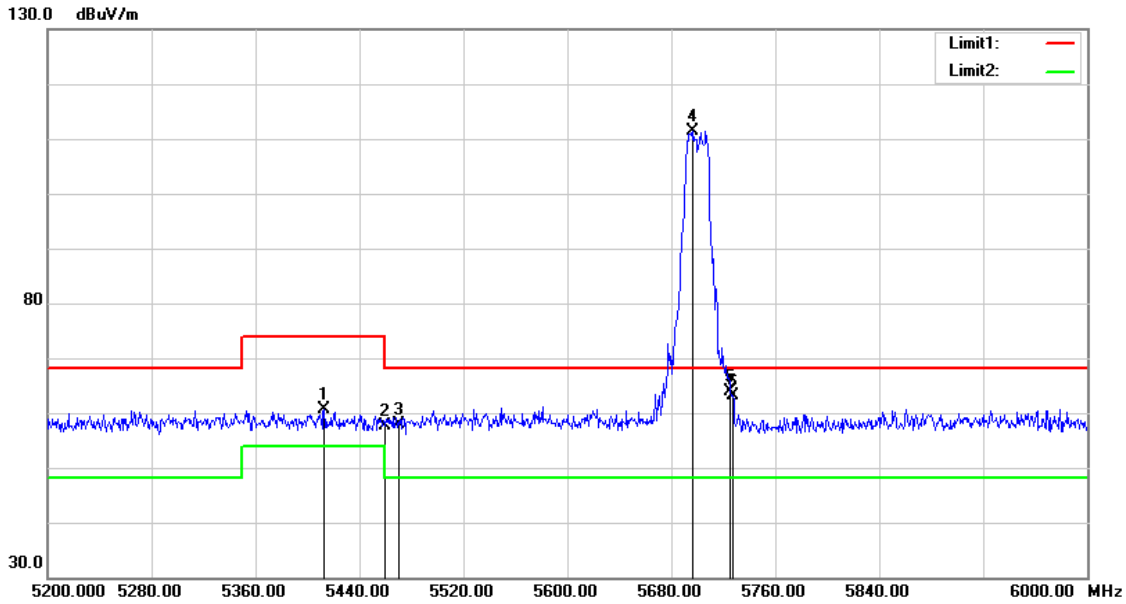
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5386.400	58.83	-0.85	57.98	74.00	-16.02	peak
2	5460.000	56.49	-0.70	55.79	74.00	-18.21	peak
3	5470.000	56.72	-0.68	56.04	68.20	-12.16	peak
4	5696.800	96.34	-0.16	96.18	--	--	peak
5	5725.000	57.59	-0.10	57.49	68.20	-10.71	peak
6	5932.800	60.80	0.39	61.19	68.20	-7.01	peak

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

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

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

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



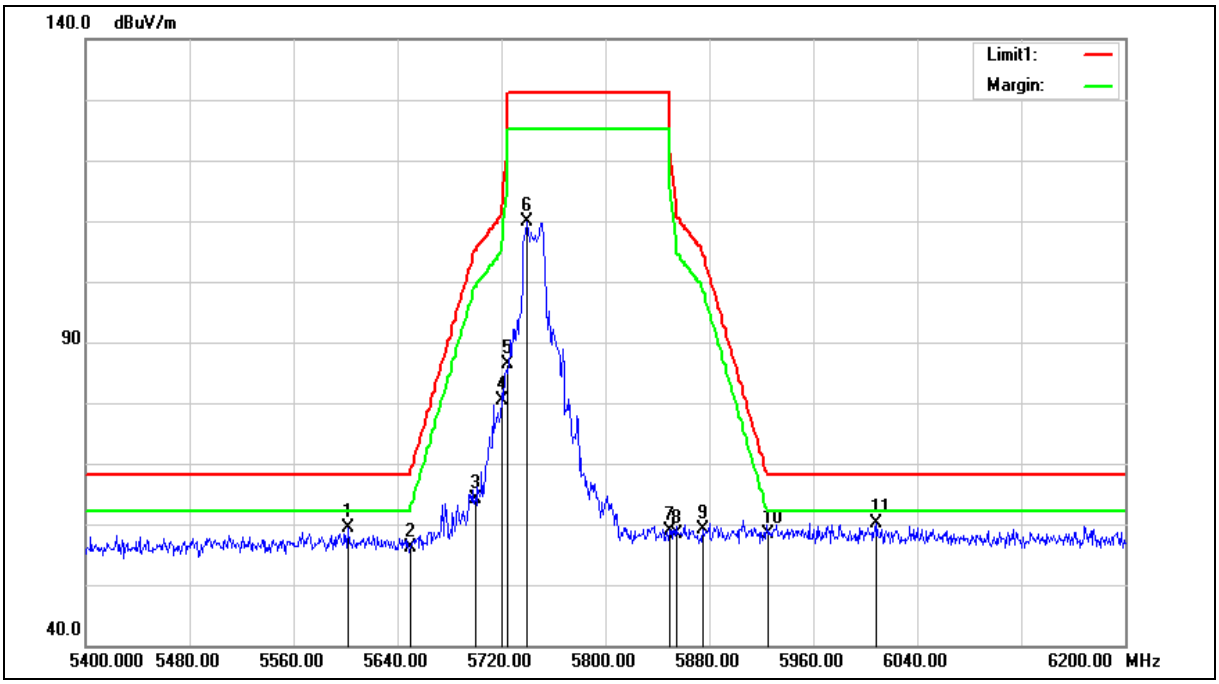
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5412.800	61.35	-0.80	60.55	74.00	-13.45	peak
2	5460.000	58.24	-0.70	57.54	74.00	-16.46	peak
3	5470.000	58.50	-0.68	57.82	68.20	-10.38	peak
4	5696.800	111.61	-0.16	111.45	--	--	peak
5	5725.000	63.91	-0.10	63.81	68.20	-4.39	peak
6	5727.200	63.17	-0.09	63.08	68.20	-5.12	peak

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

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

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

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



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

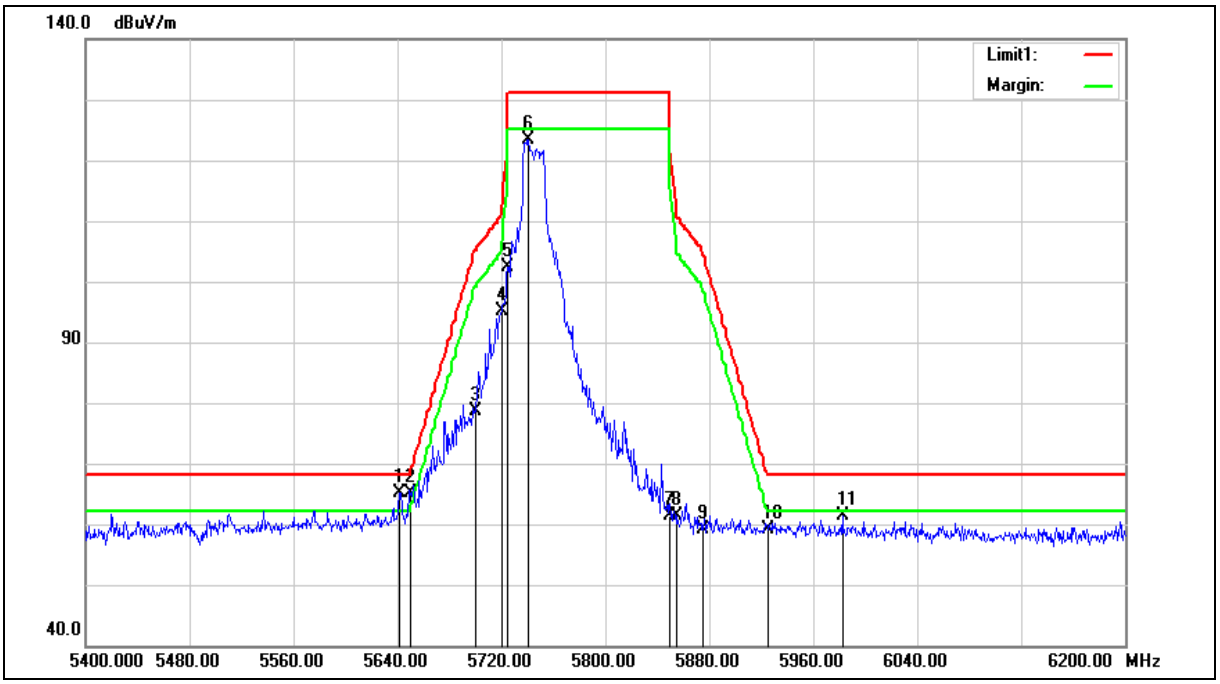
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5602.400	59.86	-0.39	59.47	68.20	-8.73	peak
2	5650.000	56.33	-0.28	56.05	68.20	-12.15	peak
3	5700.000	64.41	-0.16	64.25	105.20	-40.95	peak
4	5720.000	80.59	-0.11	80.48	110.80	-30.32	peak
5	5725.000	86.42	-0.10	86.32	122.20	-35.88	peak
6	5739.200	109.84	-0.06	109.78	--	--	peak
7	5850.000	58.70	0.20	58.90	122.20	-63.30	peak
8	5855.000	58.25	0.21	58.46	110.80	-52.34	peak
9	5875.000	58.78	0.26	59.04	105.20	-46.16	peak
10	5925.000	57.96	0.38	58.34	68.20	-9.86	peak
11	6008.800	59.55	0.58	60.13	68.20	-8.07	peak

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

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

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

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



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

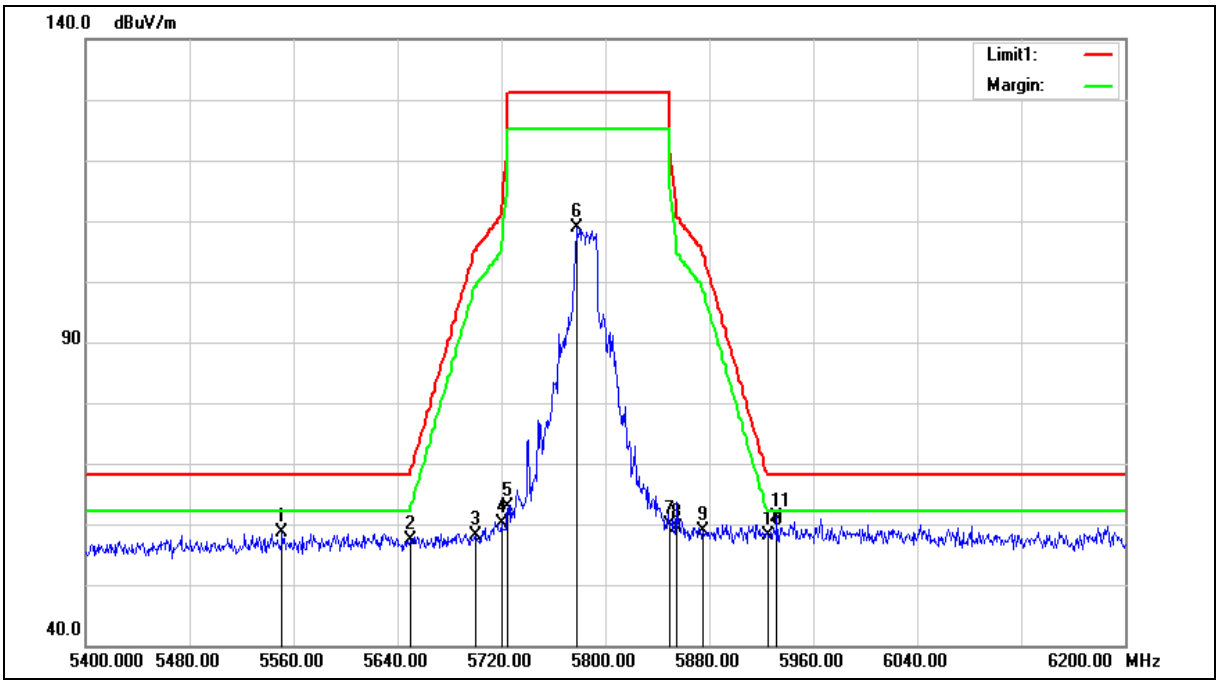
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5641.600	65.43	-0.29	65.14	68.20	-3.06	peak
2	5650.000	65.32	-0.28	65.04	68.20	-3.16	peak
3	5700.000	78.69	-0.16	78.53	105.20	-26.67	peak
4	5720.000	95.26	-0.11	95.15	110.80	-15.65	peak
5	5725.000	102.39	-0.10	102.29	122.20	-19.91	peak
6	5740.800	123.39	-0.06	123.33	--	--	peak
7	5850.000	61.08	0.20	61.28	122.20	-60.92	peak
8	5855.000	61.05	0.21	61.26	110.80	-49.54	peak
9	5875.000	58.78	0.26	59.04	105.20	-46.16	peak
10	5925.000	58.74	0.38	59.12	68.20	-9.08	peak
11	5982.400	60.79	0.51	61.30	68.20	-6.90	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:	3 m
Test item:	Band edge		
Frequency:	5785 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

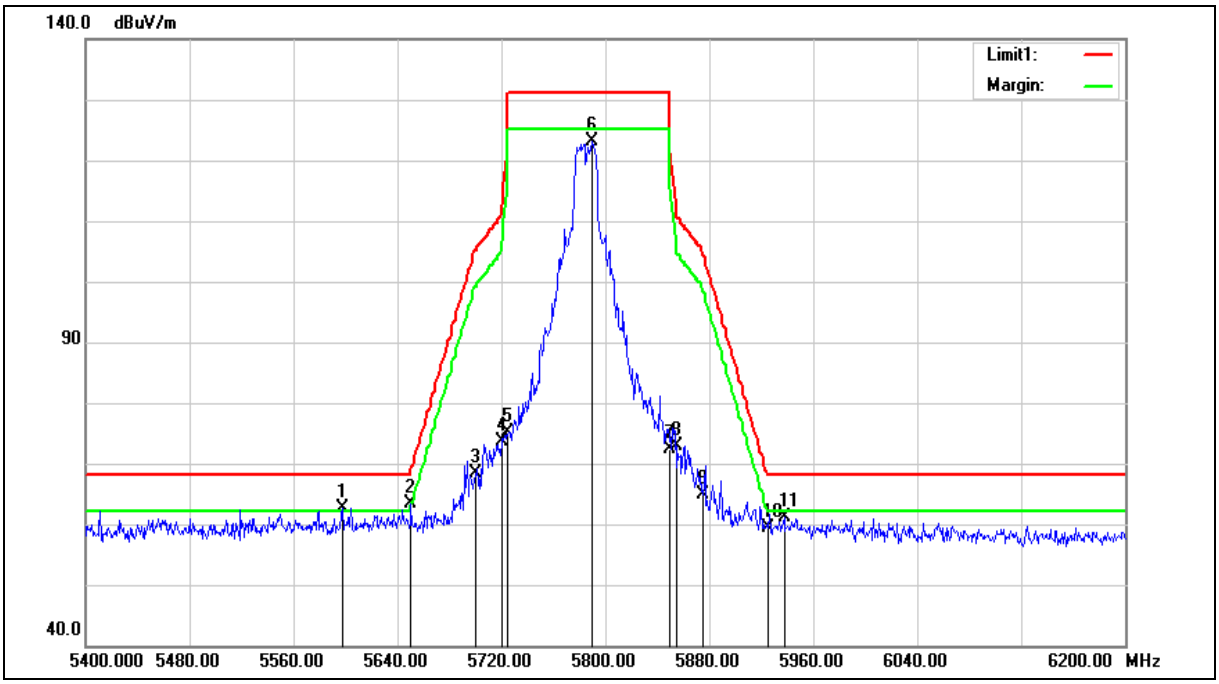
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5551.200	59.21	-0.51	58.70	68.20	-9.50	peak
2	5650.000	57.71	-0.28	57.43	68.20	-10.77	peak
3	5700.000	58.20	-0.16	58.04	105.20	-47.16	peak
4	5720.000	60.30	-0.11	60.19	110.80	-50.61	peak
5	5725.000	62.99	-0.10	62.89	122.20	-59.31	peak
6	5778.400	108.80	0.03	108.83	--	--	peak
7	5850.000	59.62	0.20	59.82	122.20	-62.38	peak
8	5855.000	59.27	0.21	59.48	110.80	-51.32	peak
9	5875.000	58.70	0.26	58.96	105.20	-46.24	peak
10	5925.000	57.67	0.38	58.05	68.20	-10.15	peak
11	5932.000	60.79	0.39	61.18	68.20	-7.02	peak

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

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

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

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



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

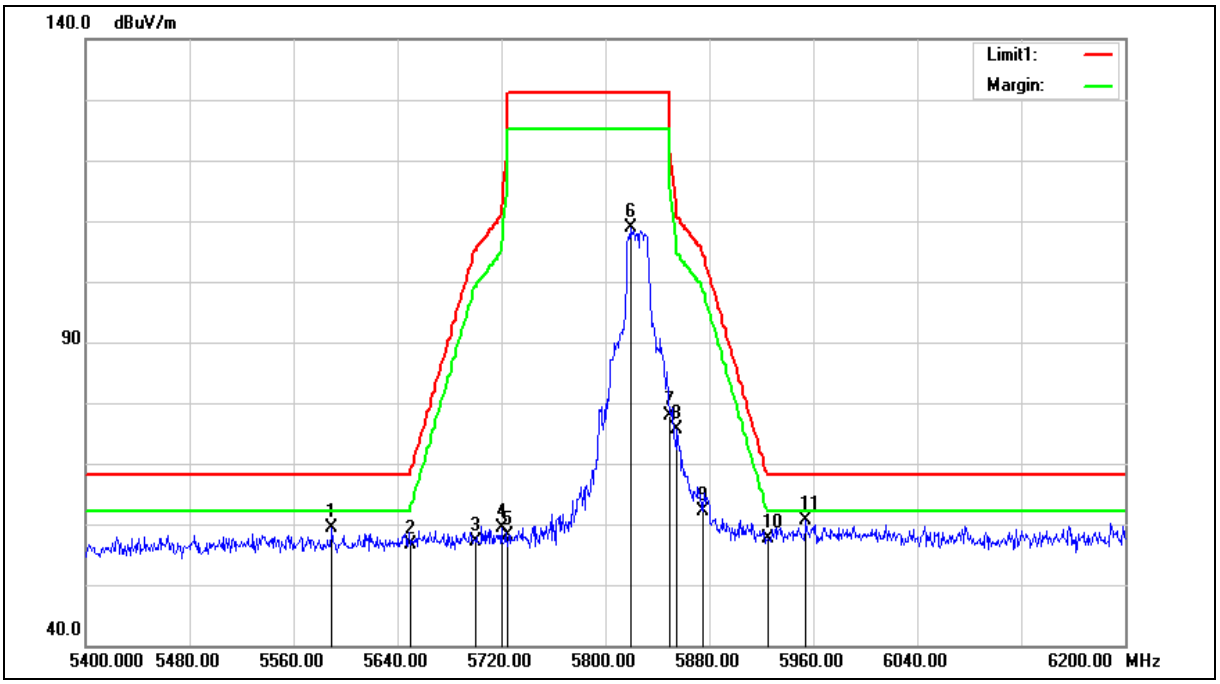
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5597.600	63.04	-0.39	62.65	68.20	-5.55	peak
2	5650.000	63.54	-0.28	63.26	68.20	-4.94	peak
3	5700.000	68.51	-0.16	68.35	105.20	-36.85	peak
4	5720.000	73.82	-0.11	73.71	110.80	-37.09	peak
5	5725.000	75.14	-0.10	75.04	122.20	-47.16	peak
6	5789.600	123.11	0.06	123.17	--	--	peak
7	5850.000	72.25	0.20	72.45	122.20	-49.75	peak
8	5855.000	72.66	0.21	72.87	110.80	-37.93	peak
9	5875.000	64.52	0.26	64.78	105.20	-40.42	peak
10	5925.000	59.00	0.38	59.38	68.20	-8.82	peak
11	5937.600	60.65	0.40	61.05	68.20	-7.15	peak

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

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

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

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



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

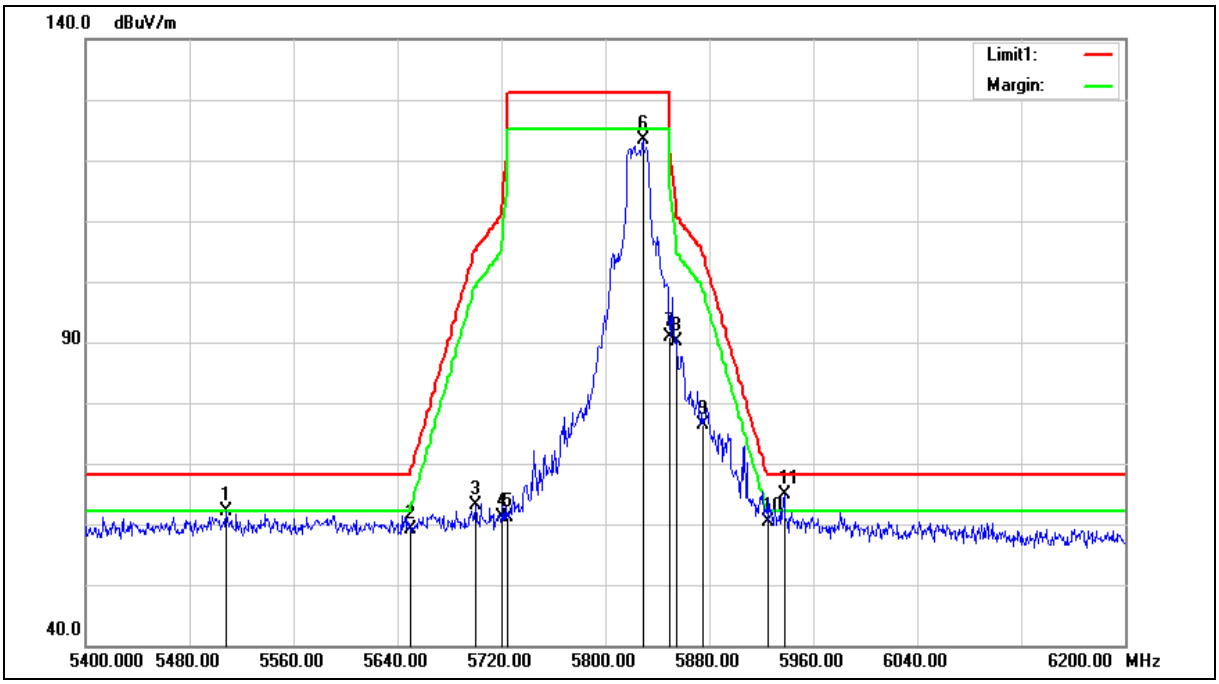
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5589.600	59.82	-0.41	59.41	68.20	-8.79	peak
2	5650.000	56.83	-0.28	56.55	68.20	-11.65	peak
3	5700.000	57.38	-0.16	57.22	105.20	-47.98	peak
4	5720.000	59.56	-0.11	59.45	110.80	-51.35	peak
5	5725.000	58.20	-0.10	58.10	122.20	-64.10	peak
6	5819.200	108.76	0.12	108.88	--	--	peak
7	5850.000	77.57	0.20	77.77	122.20	-44.43	peak
8	5855.000	75.50	0.21	75.71	110.80	-35.09	peak
9	5875.000	61.86	0.26	62.12	105.20	-43.08	peak
10	5925.000	57.22	0.38	57.60	68.20	-10.60	peak
11	5954.400	60.14	0.45	60.59	68.20	-7.61	peak

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

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

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

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



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

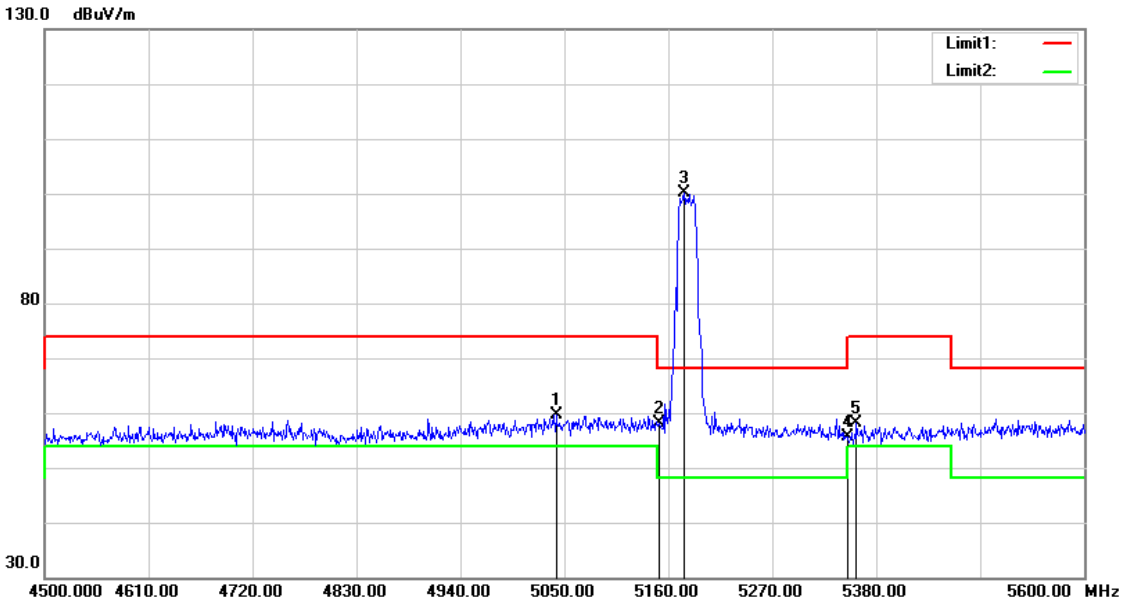
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5508.000	62.73	-0.61	62.12	68.20	-6.08	peak
2	5650.000	59.52	-0.28	59.24	68.20	-8.96	peak
3	5700.000	63.20	-0.16	63.04	105.20	-42.16	peak
4	5720.000	61.36	-0.11	61.25	110.80	-49.55	peak
5	5725.000	61.33	-0.10	61.23	122.20	-60.97	peak
6	5828.800	123.13	0.15	123.28	--	--	peak
7	5850.000	90.78	0.20	90.98	122.20	-31.22	peak
8	5855.000	89.90	0.21	90.11	110.80	-20.69	peak
9	5875.000	76.24	0.26	76.50	105.20	-28.70	peak
10	5925.000	60.11	0.38	60.49	68.20	-7.71	peak
11	5937.600	64.49	0.40	64.89	68.20	-3.31	peak

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

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

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

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



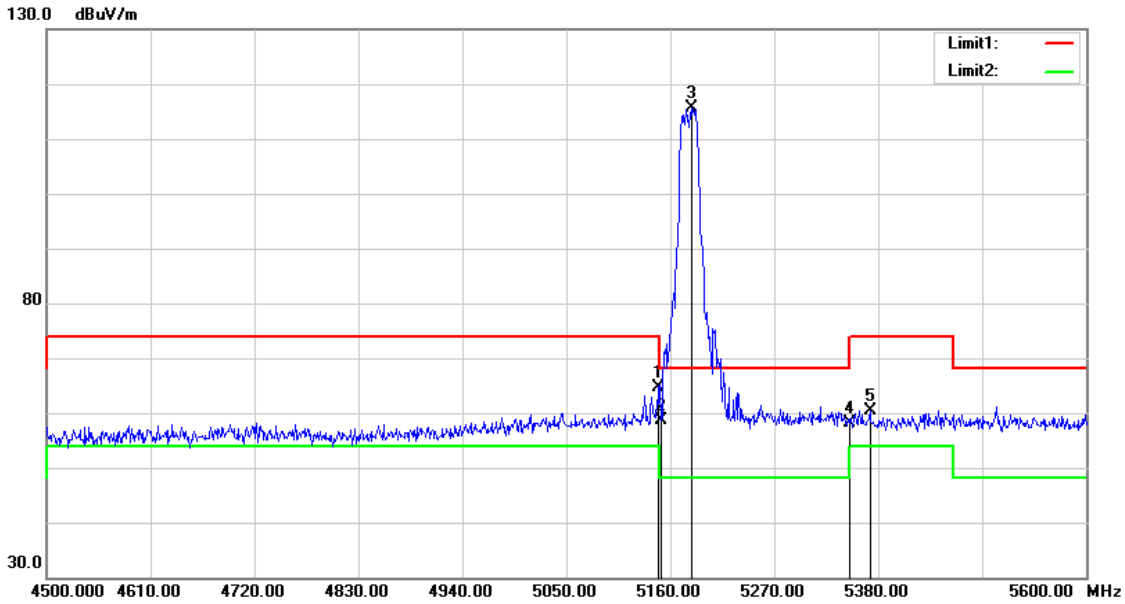
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5041.200	61.28	-1.55	59.73	74.00	-14.27	peak
2	5150.000	59.39	-1.33	58.06	74.00	-15.94	peak
3	5176.500	101.38	-1.28	100.10	--	--	peak
4	5350.000	56.56	-0.92	55.64	74.00	-18.36	peak
5	5359.100	59.08	-0.91	58.17	74.00	-15.83	peak

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

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

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

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



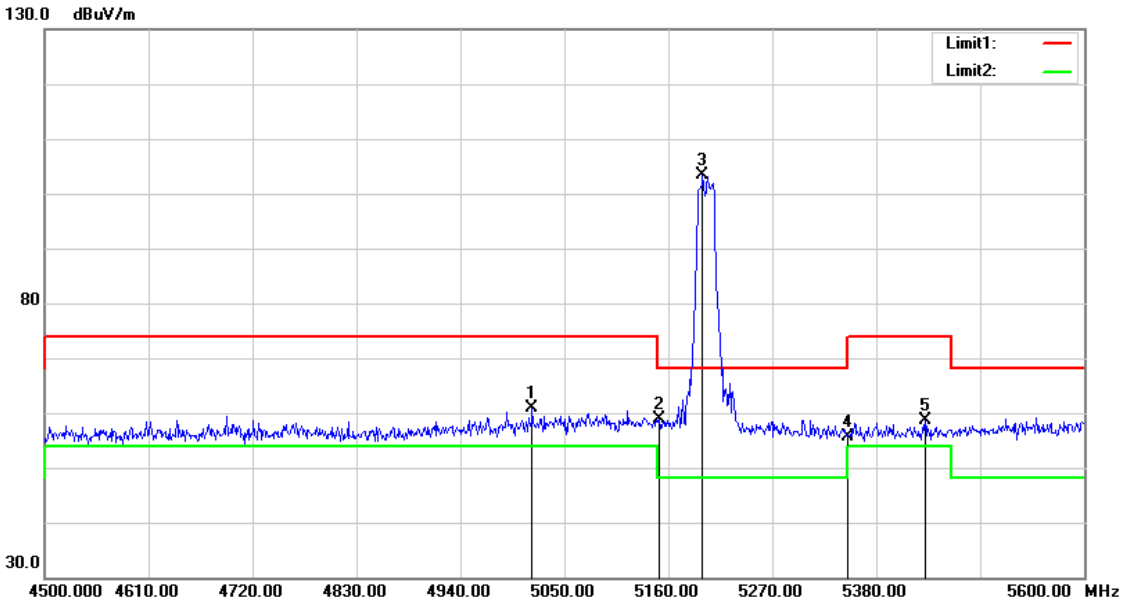
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.900	65.85	-1.33	64.52	74.00	-9.48	peak
2	5150.000	59.98	-1.33	58.65	74.00	-15.35	peak
3	5183.100	116.84	-1.26	115.58	--	--	peak
4	5350.000	59.16	-0.92	58.24	74.00	-15.76	peak
5	5371.200	61.37	-0.88	60.49	74.00	-13.51	peak

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

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

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

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



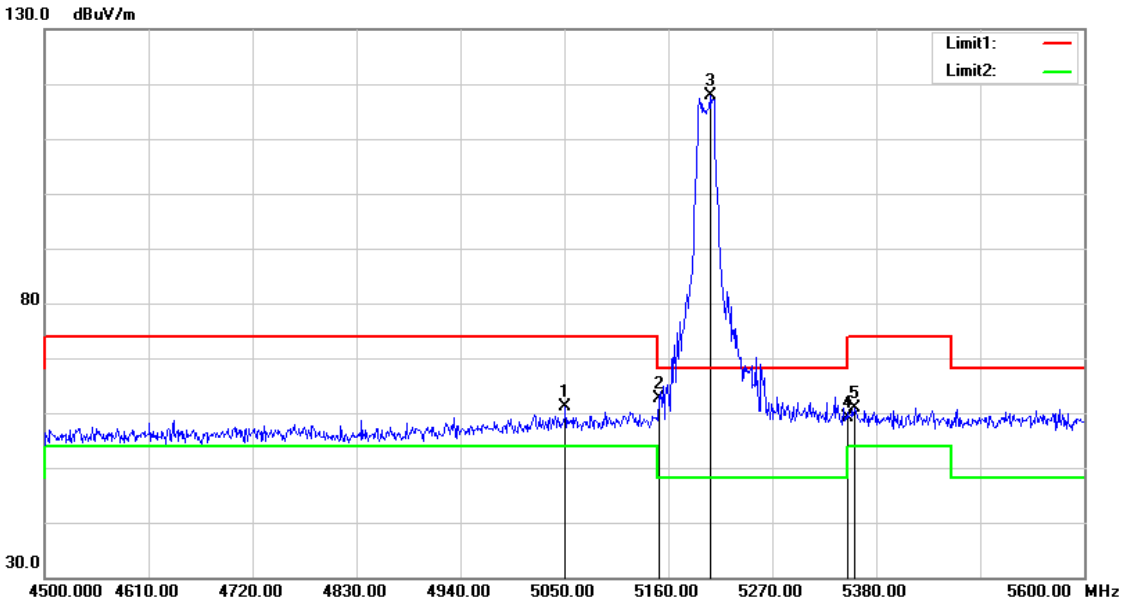
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5015.900	62.45	-1.60	60.85	74.00	-13.15	peak
2	5150.000	60.31	-1.33	58.98	74.00	-15.02	peak
3	5196.300	104.51	-1.24	103.27	--	--	peak
4	5350.000	56.52	-0.92	55.60	74.00	-18.40	peak
5	5431.700	59.28	-0.75	58.53	74.00	-15.47	peak

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

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

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

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



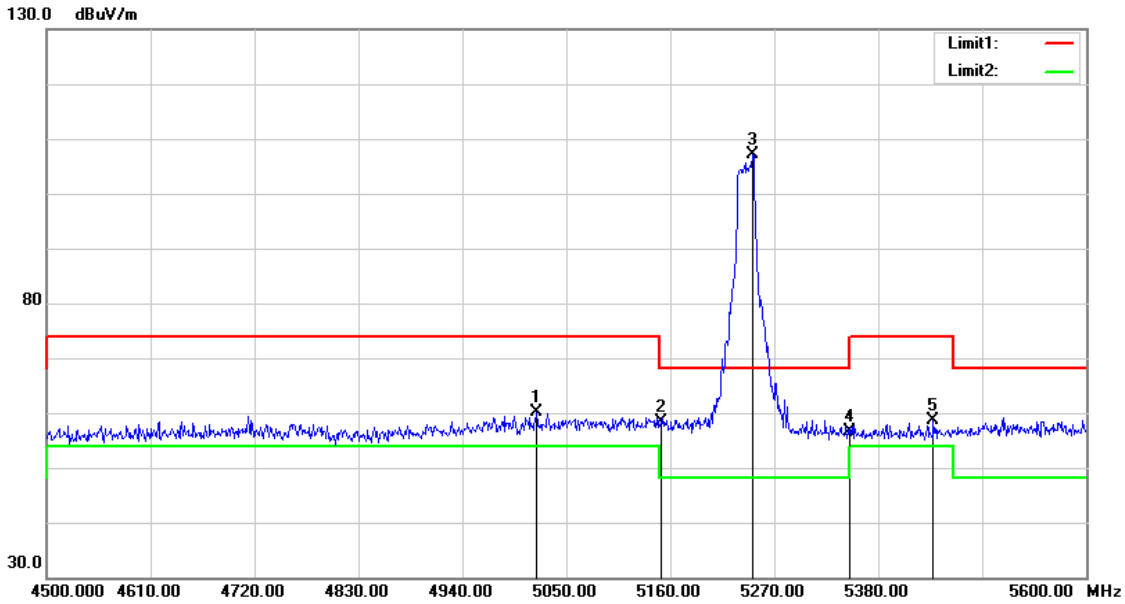
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5051.100	62.72	-1.53	61.19	74.00	-12.81	peak
2	5150.000	64.05	-1.33	62.72	74.00	-11.28	peak
3	5204.000	119.08	-1.22	117.86	--	--	peak
4	5350.000	60.08	-0.92	59.16	74.00	-14.84	peak
5	5356.900	61.90	-0.91	60.99	74.00	-13.01	peak

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

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

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

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



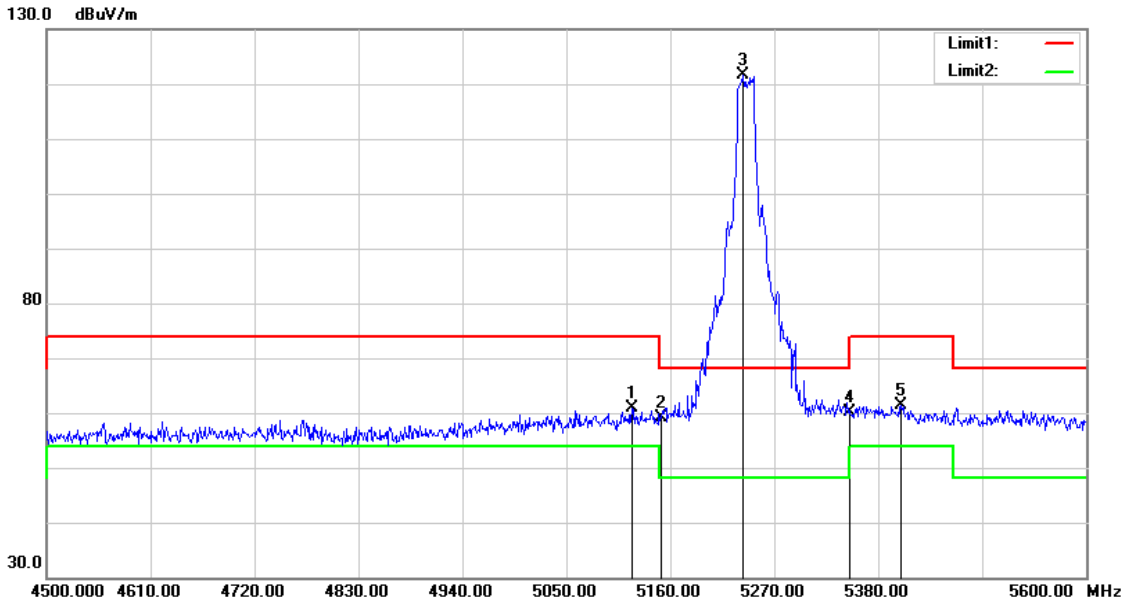
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5018.100	61.71	-1.60	60.11	74.00	-13.89	peak
2	5150.000	59.78	-1.33	58.45	74.00	-15.55	peak
3	5246.900	108.20	-1.13	107.07	--	--	peak
4	5350.000	57.63	-0.92	56.71	74.00	-17.29	peak
5	5438.300	59.42	-0.75	58.67	74.00	-15.33	peak

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

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

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

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



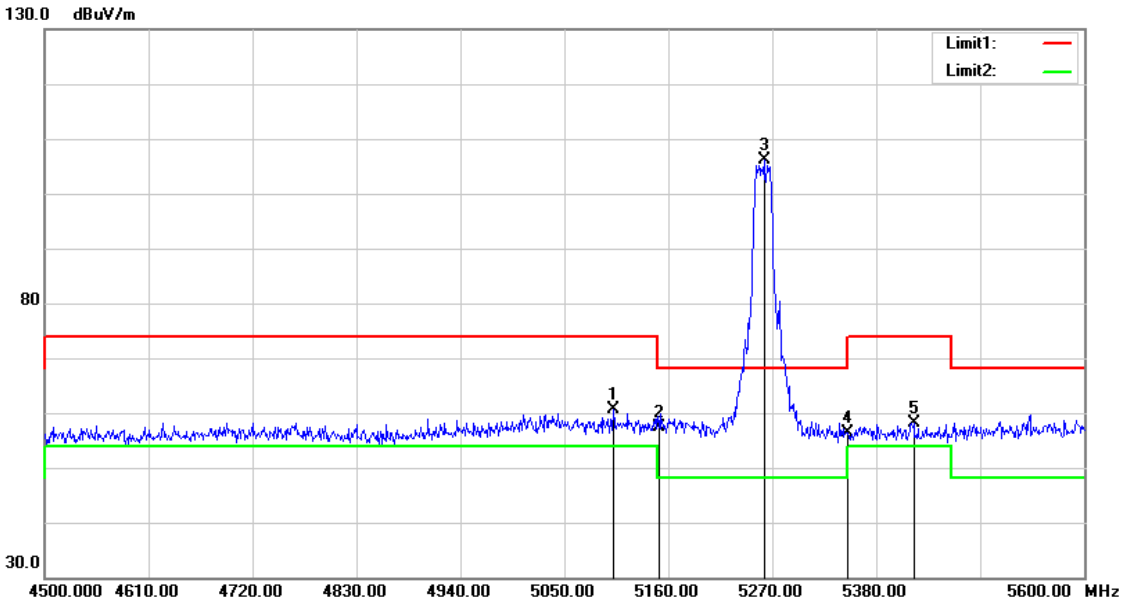
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5119.300	62.21	-1.38	60.83	74.00	-13.17	peak
2	5150.000	60.55	-1.33	59.22	74.00	-14.78	peak
3	5237.000	122.69	-1.16	121.53	--	--	peak
4	5350.000	60.98	-0.92	60.06	74.00	-13.94	peak
5	5404.200	62.31	-0.82	61.49	74.00	-12.51	peak

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

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

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

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



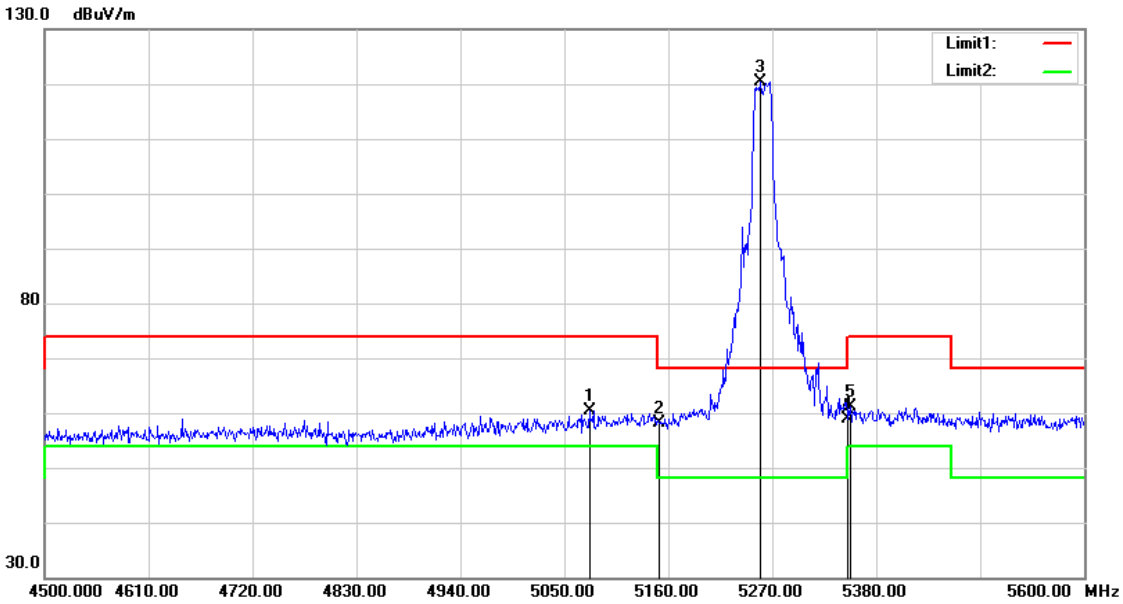
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5101.700	62.01	-1.43	60.58	74.00	-13.42	peak
2	5150.000	58.64	-1.33	57.31	74.00	-16.69	peak
3	5261.200	107.35	-1.10	106.25	--	--	peak
4	5350.000	57.19	-0.92	56.27	74.00	-17.73	peak
5	5419.600	59.01	-0.78	58.23	74.00	-15.77	peak

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

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

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

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



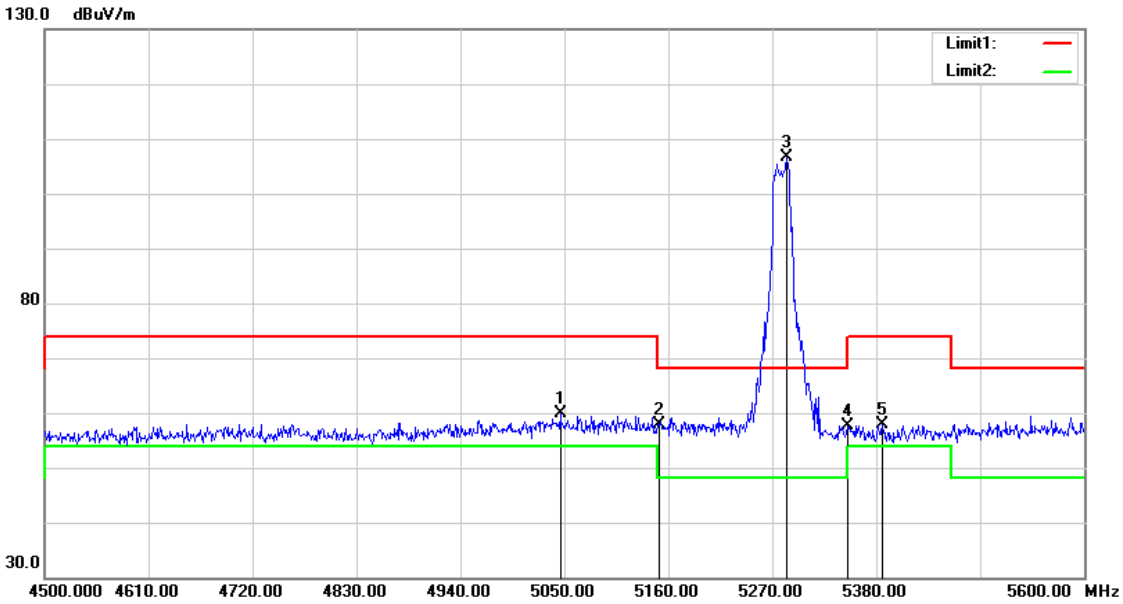
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5076.400	61.87	-1.47	60.40	74.00	-13.60	peak
2	5150.000	59.50	-1.33	58.17	74.00	-15.83	peak
3	5257.900	121.58	-1.11	120.47	--	--	peak
4	5350.000	59.72	-0.92	58.80	74.00	-15.20	peak
5	5352.500	62.07	-0.92	61.15	74.00	-12.85	peak

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

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

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

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



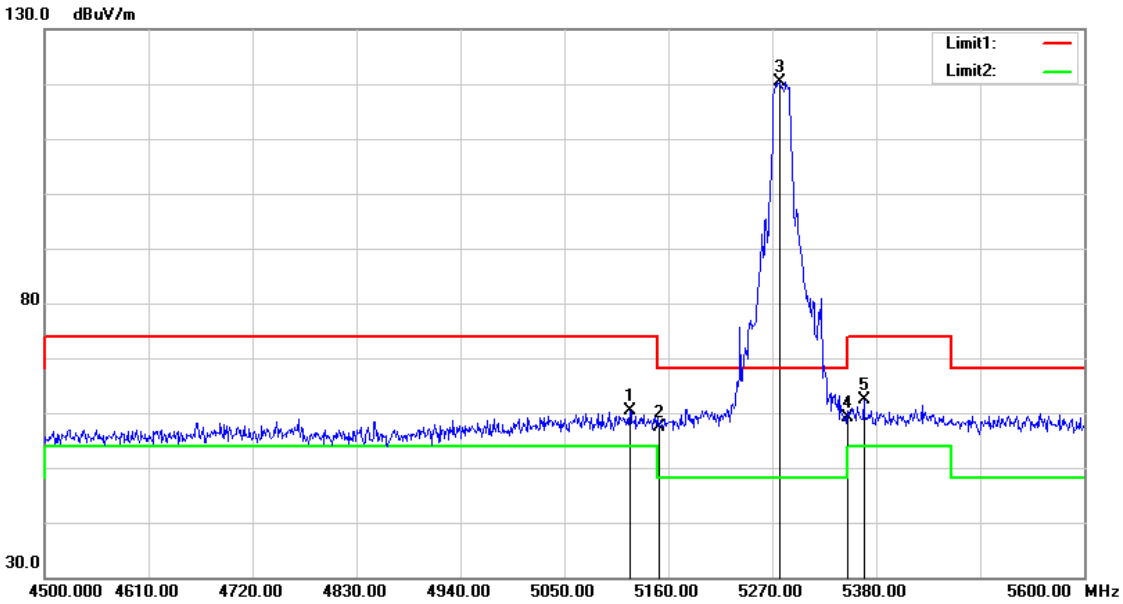
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5045.600	61.44	-1.54	59.90	74.00	-14.10	peak
2	5150.000	59.18	-1.33	57.85	74.00	-16.15	peak
3	5285.400	107.64	-1.05	106.59	--	--	peak
4	5350.000	58.59	-0.92	57.67	74.00	-16.33	peak
5	5386.600	58.70	-0.85	57.85	74.00	-16.15	peak

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

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

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

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



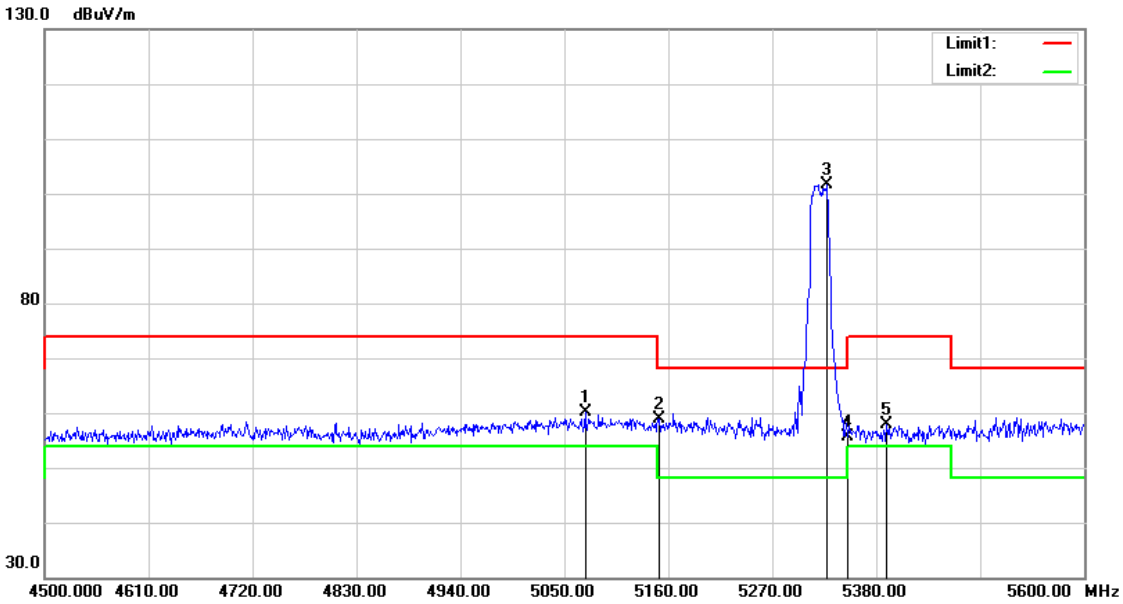
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5119.300	61.76	-1.38	60.38	74.00	-13.62	peak
2	5150.000	58.80	-1.33	57.47	74.00	-16.53	peak
3	5277.700	121.43	-1.08	120.35	--	--	peak
4	5350.000	60.13	-0.92	59.21	74.00	-14.79	peak
5	5366.800	63.21	-0.89	62.32	74.00	-11.68	peak

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

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

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

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



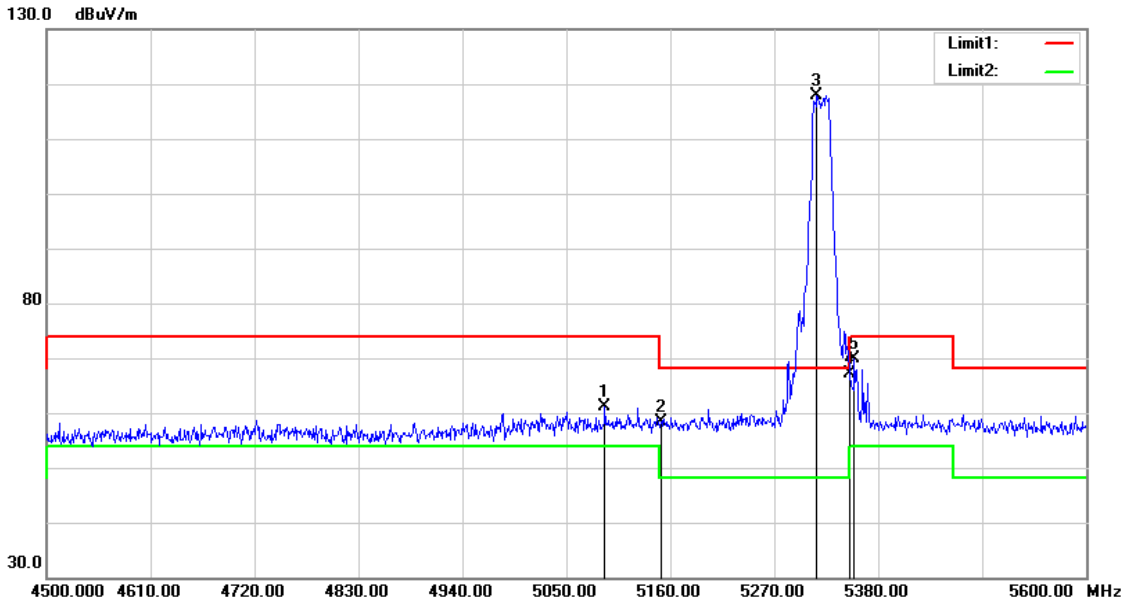
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5072.000	61.64	-1.49	60.15	74.00	-13.85	peak
2	5150.000	60.22	-1.33	58.89	74.00	-15.11	peak
3	5328.300	102.58	-0.97	101.61	--	--	peak
4	5350.000	56.61	-0.92	55.69	74.00	-18.31	peak
5	5391.000	58.61	-0.84	57.77	74.00	-16.23	peak

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

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

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

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



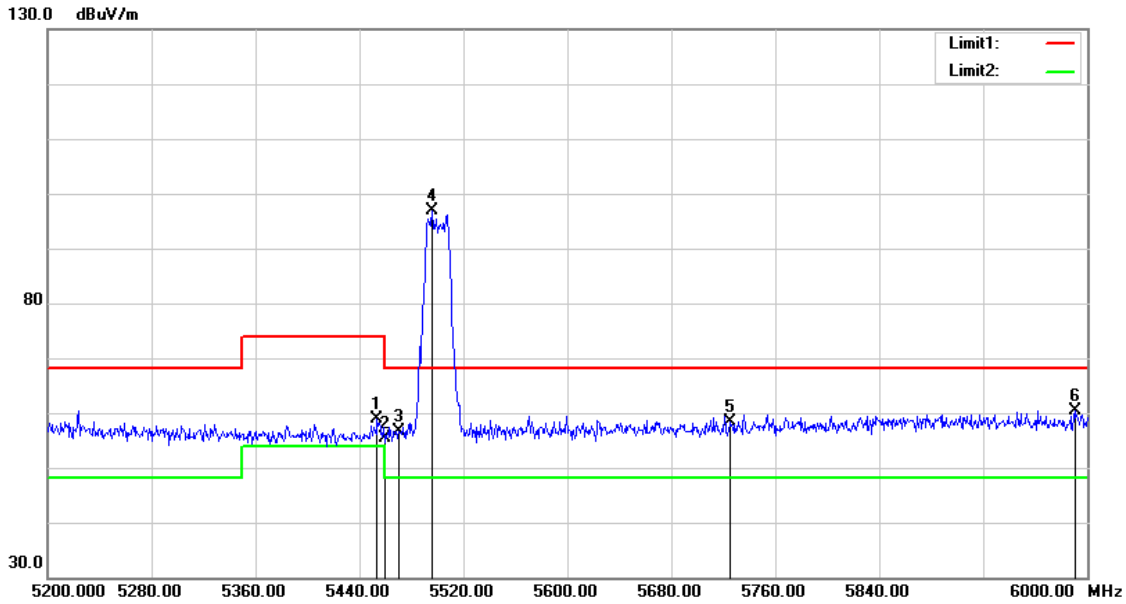
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5090.700	62.61	-1.45	61.16	74.00	-12.84	peak
2	5150.000	59.73	-1.33	58.40	74.00	-15.60	peak
3	5315.100	118.90	-1.00	117.90	--	--	peak
4	5350.000	68.10	-0.92	67.18	74.00	-6.82	peak
5	5354.700	70.73	-0.92	69.81	74.00	-4.19	peak

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

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

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

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



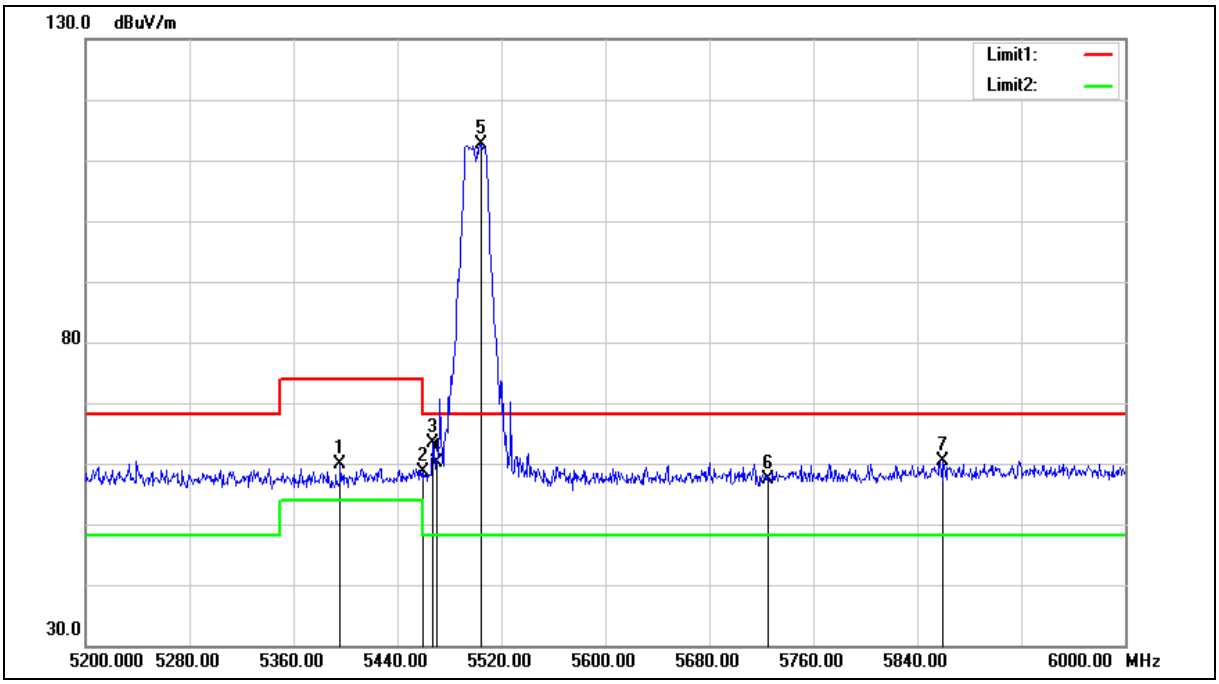
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.600	59.63	-0.72	58.91	74.00	-15.09	peak
2	5460.000	56.10	-0.70	55.40	74.00	-18.60	peak
3	5470.000	57.36	-0.68	56.68	68.20	-11.52	peak
4	5496.000	97.40	-0.63	96.77	--	--	peak
5	5725.000	58.58	-0.10	58.48	68.20	-9.72	peak
6	5990.400	59.92	0.53	60.45	68.20	-7.75	peak

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

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

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

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



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

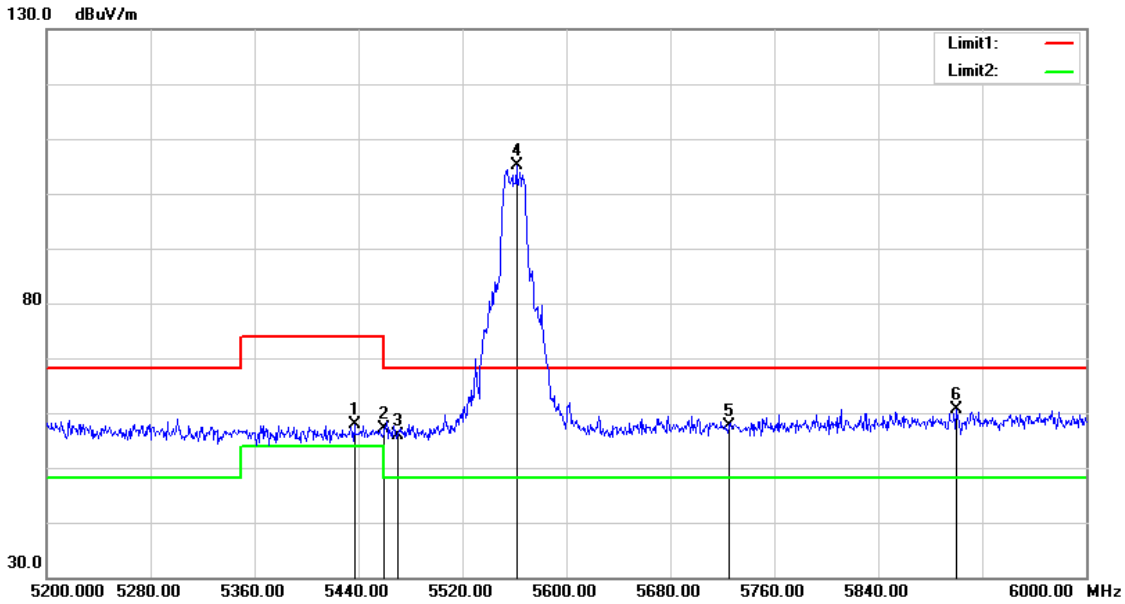
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5396.000	60.66	-0.83	59.83	74.00	-14.17	peak
2	5460.000	59.32	-0.70	58.62	74.00	-15.38	peak
3	5467.200	64.03	-0.70	63.33	68.20	-4.87	peak
4	5470.000	60.69	-0.68	60.01	68.20	-8.19	peak
5	5504.800	113.22	-0.61	112.61	--	--	peak
6	5725.000	57.53	-0.10	57.43	68.20	-10.77	peak
7	5860.000	60.21	0.22	60.43	68.20	-7.77	peak

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

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

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

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



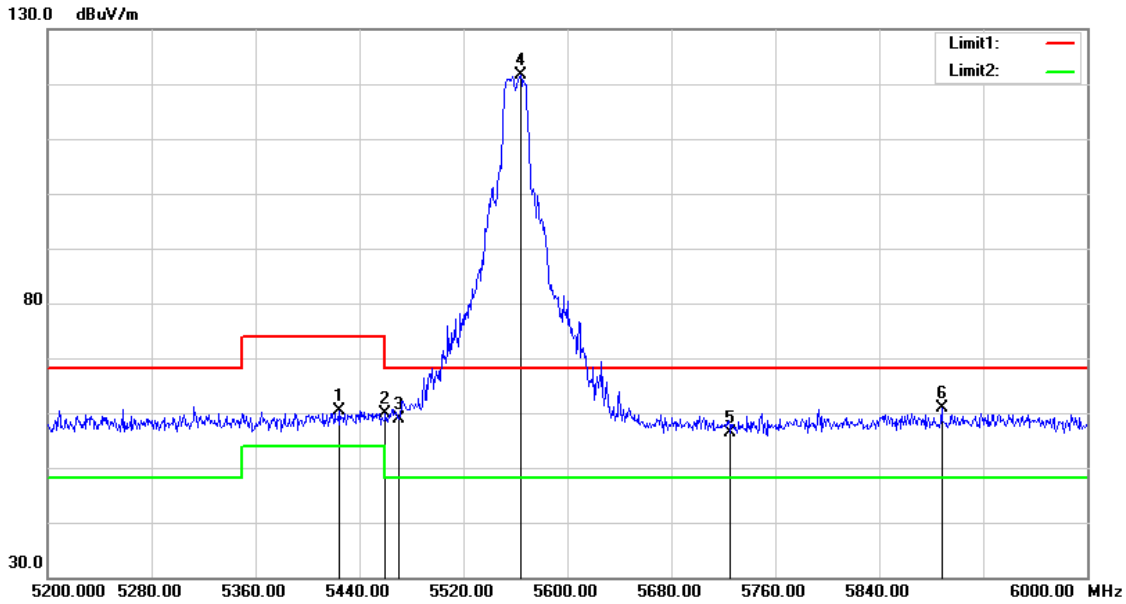
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5436.800	58.66	-0.75	57.91	74.00	-16.09	peak
2	5460.000	57.93	-0.70	57.23	74.00	-16.77	peak
3	5470.000	56.44	-0.68	55.76	68.20	-12.44	peak
4	5561.600	105.60	-0.48	105.12	--	--	peak
5	5725.000	57.75	-0.10	57.65	68.20	-10.55	peak
6	5900.000	60.23	0.32	60.55	68.20	-7.65	peak

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

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

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

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



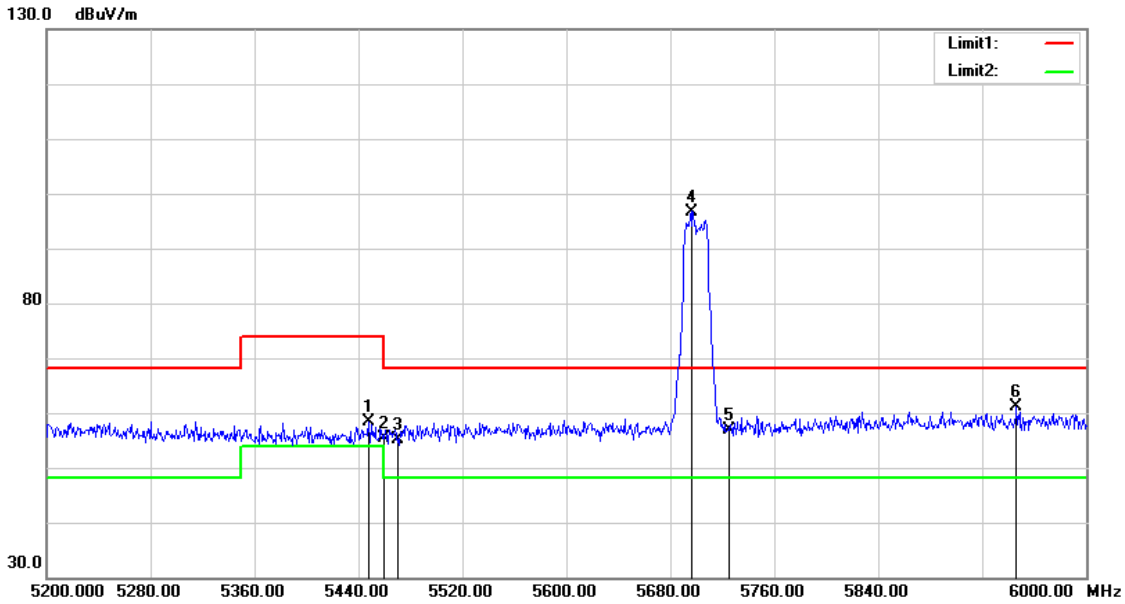
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5424.000	61.26	-0.78	60.48	74.00	-13.52	peak
2	5460.000	60.65	-0.70	59.95	74.00	-14.05	peak
3	5470.000	59.53	-0.68	58.85	68.20	-9.35	peak
4	5564.000	122.19	-0.47	121.72	--	--	peak
5	5725.000	56.55	-0.10	56.45	68.20	-11.75	peak
6	5888.000	60.69	0.29	60.98	68.20	-7.22	peak

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

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

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

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



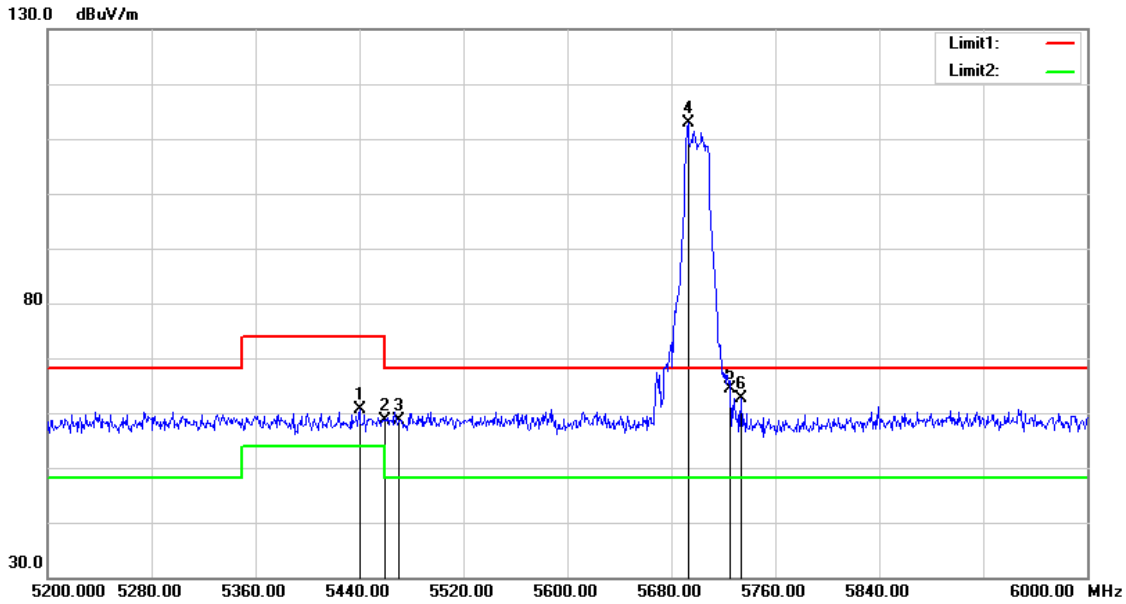
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5448.000	59.08	-0.72	58.36	74.00	-15.64	peak
2	5460.000	56.19	-0.70	55.49	74.00	-18.51	peak
3	5470.000	55.84	-0.68	55.16	68.20	-13.04	peak
4	5696.000	96.91	-0.16	96.75	--	--	peak
5	5725.000	57.04	-0.10	56.94	68.20	-11.26	peak
6	5946.400	60.72	0.43	61.15	68.20	-7.05	peak

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

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

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

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



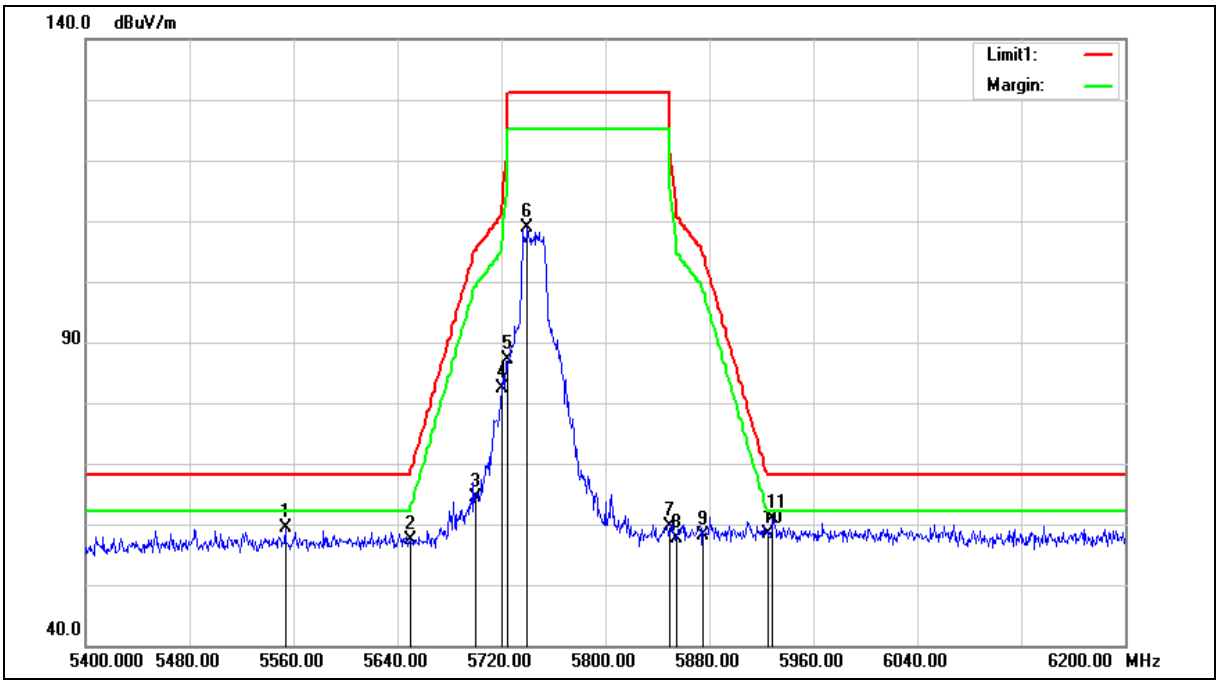
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5440.000	61.30	-0.75	60.55	74.00	-13.45	peak
2	5460.000	59.40	-0.70	58.70	74.00	-15.30	peak
3	5470.000	59.41	-0.68	58.73	68.20	-9.47	peak
4	5692.800	113.15	-0.17	112.98	--	--	peak
5	5725.000	64.54	-0.10	64.44	68.20	-3.76	peak
6	5733.600	62.62	-0.07	62.55	68.20	-5.65	peak

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

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

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

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



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

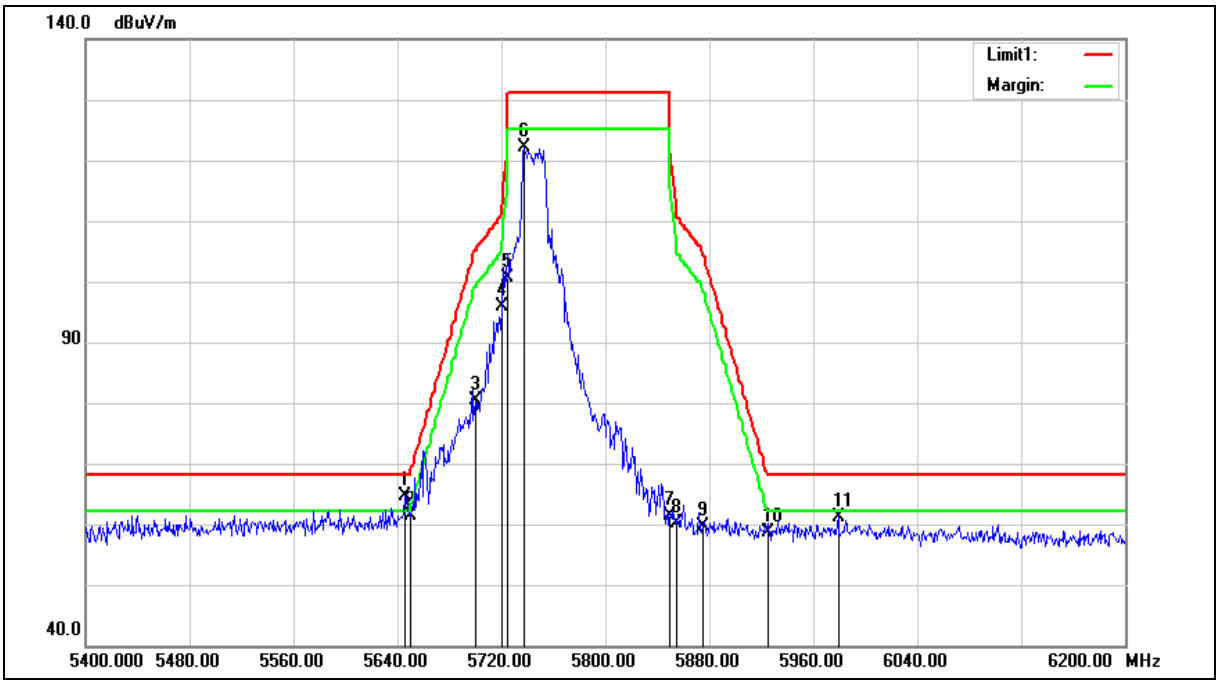
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5553.600	59.90	-0.51	59.39	68.20	-8.81	peak
2	5650.000	57.55	-0.28	57.27	68.20	-10.93	peak
3	5700.000	64.65	-0.16	64.49	105.20	-40.71	peak
4	5720.000	82.38	-0.11	82.27	110.80	-28.53	peak
5	5725.000	87.23	-0.10	87.13	122.20	-35.07	peak
6	5740.000	108.97	-0.06	108.91	--	--	peak
7	5850.000	59.33	0.20	59.53	122.20	-62.67	peak
8	5855.000	57.45	0.21	57.66	110.80	-53.14	peak
9	5875.000	57.87	0.26	58.13	105.20	-47.07	peak
10	5925.000	58.01	0.38	58.39	68.20	-9.81	peak
11	5928.800	60.43	0.38	60.81	68.20	-7.39	peak

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

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

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

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



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

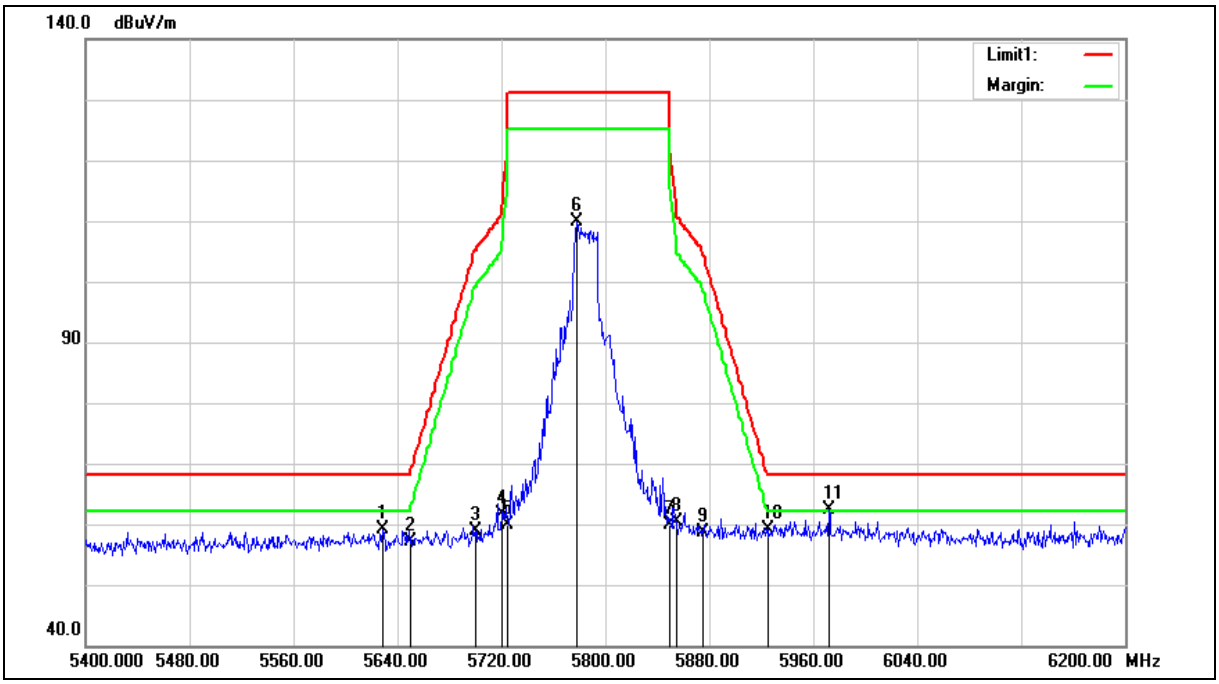
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.600	64.92	-0.29	64.63	68.20	-3.57	peak
2	5650.000	61.67	-0.28	61.39	68.20	-6.81	peak
3	5700.000	80.44	-0.16	80.28	105.20	-24.92	peak
4	5720.000	95.93	-0.11	95.82	110.80	-14.98	peak
5	5725.000	100.83	-0.10	100.73	122.20	-21.47	peak
6	5737.600	122.13	-0.06	122.07	--	--	peak
7	5850.000	61.09	0.20	61.29	122.20	-60.91	peak
8	5855.000	59.82	0.21	60.03	110.80	-50.77	peak
9	5875.000	59.28	0.26	59.54	105.20	-45.66	peak
10	5925.000	58.25	0.38	58.63	68.20	-9.57	peak
11	5979.200	60.75	0.50	61.25	68.20	-6.95	peak

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

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

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

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



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

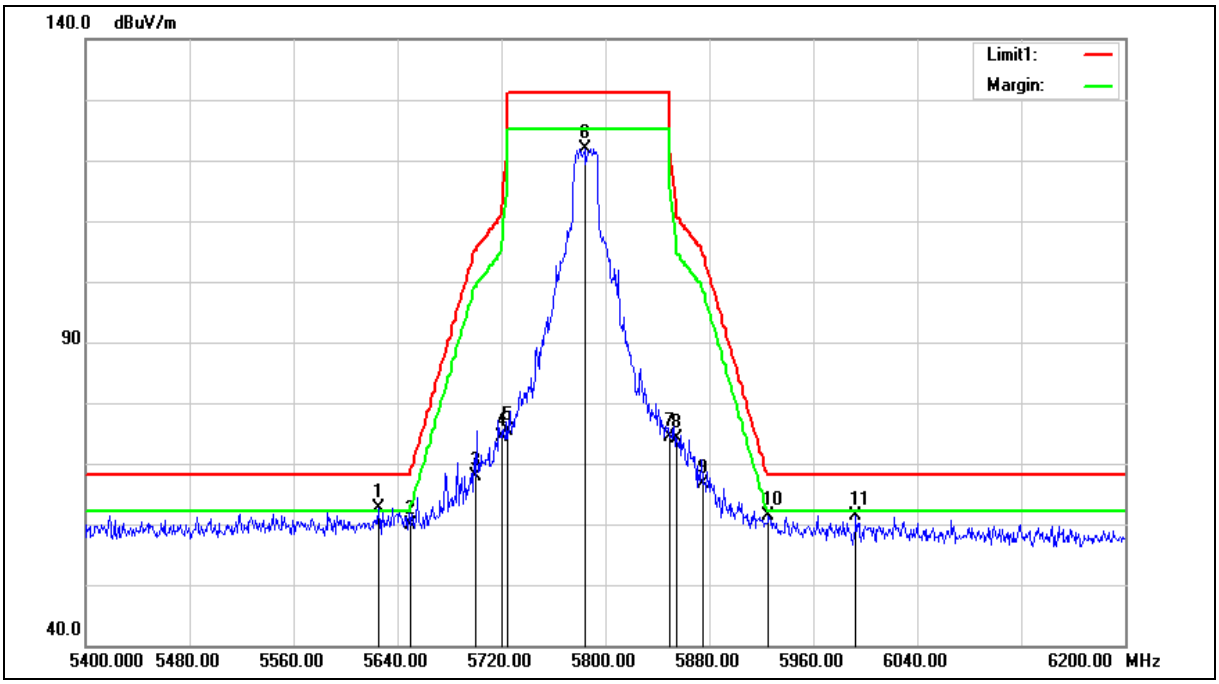
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5628.800	59.53	-0.33	59.20	68.20	-9.00	peak
2	5650.000	57.33	-0.28	57.05	68.20	-11.15	peak
3	5700.000	58.92	-0.16	58.76	105.20	-46.44	peak
4	5720.000	61.77	-0.11	61.66	110.80	-49.14	peak
5	5725.000	60.01	-0.10	59.91	122.20	-62.29	peak
6	5778.400	109.88	0.03	109.91	--	--	peak
7	5850.000	59.73	0.20	59.93	122.20	-62.27	peak
8	5855.000	60.19	0.21	60.40	110.80	-50.40	peak
9	5875.000	58.32	0.26	58.58	105.20	-46.62	peak
10	5925.000	58.72	0.38	59.10	68.20	-9.10	peak
11	5972.000	61.88	0.49	62.37	68.20	-5.83	peak

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

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

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

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



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

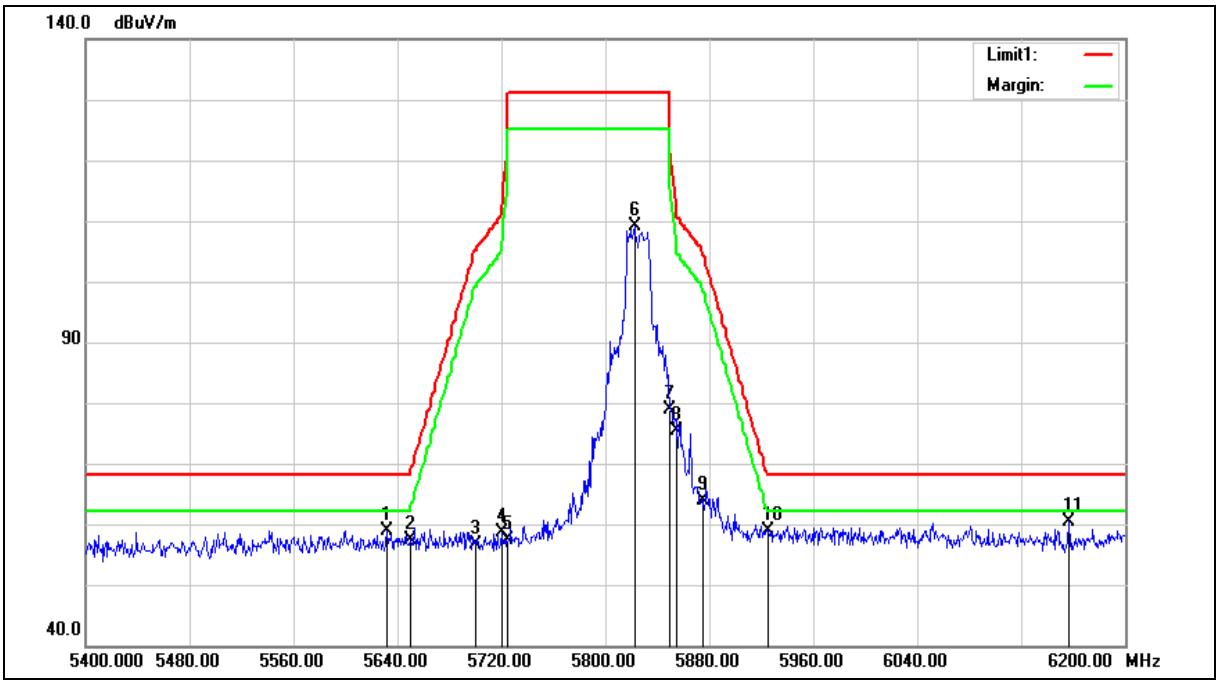
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5625.600	63.05	-0.33	62.72	68.20	-5.48	peak
2	5650.000	60.21	-0.28	59.93	68.20	-8.27	peak
3	5700.000	67.94	-0.16	67.78	105.20	-37.42	peak
4	5720.000	74.61	-0.11	74.50	110.80	-36.30	peak
5	5725.000	75.60	-0.10	75.50	122.20	-46.70	peak
6	5784.000	121.91	0.04	121.95	--	--	peak
7	5850.000	74.15	0.20	74.35	122.20	-47.85	peak
8	5855.000	73.87	0.21	74.08	110.80	-36.72	peak
9	5875.000	66.35	0.26	66.61	105.20	-38.59	peak
10	5925.000	60.90	0.38	61.28	68.20	-6.92	peak
11	5992.800	60.94	0.53	61.47	68.20	-6.73	peak

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

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

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

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



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

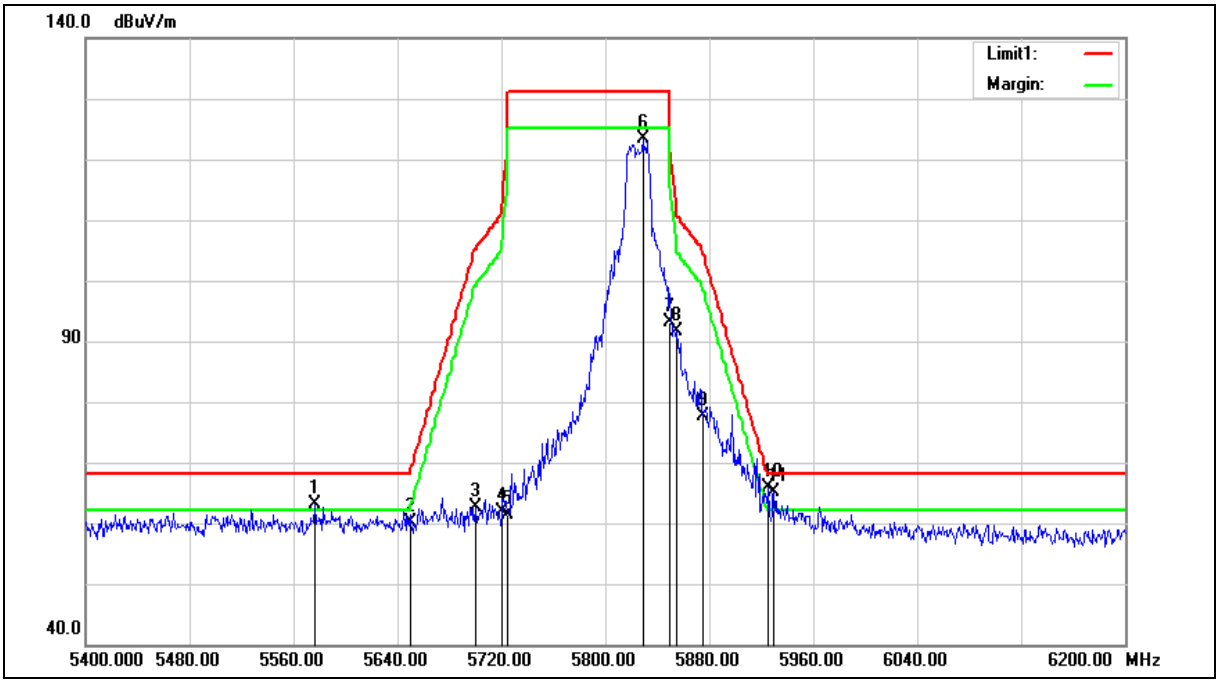
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.000	59.31	-0.31	59.00	68.20	-9.20	peak
2	5650.000	57.66	-0.28	57.38	68.20	-10.82	peak
3	5700.000	56.69	-0.16	56.53	105.20	-48.67	peak
4	5720.000	58.82	-0.11	58.71	110.80	-52.09	peak
5	5725.000	57.39	-0.10	57.29	122.20	-64.91	peak
6	5822.400	108.88	0.14	109.02	--	--	peak
7	5850.000	78.56	0.20	78.76	122.20	-43.44	peak
8	5855.000	75.28	0.21	75.49	110.80	-35.31	peak
9	5875.000	63.58	0.26	63.84	105.20	-41.36	peak
10	5925.000	58.38	0.38	58.76	68.20	-9.44	peak
11	6156.800	59.20	1.12	60.32	68.20	-7.88	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:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



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

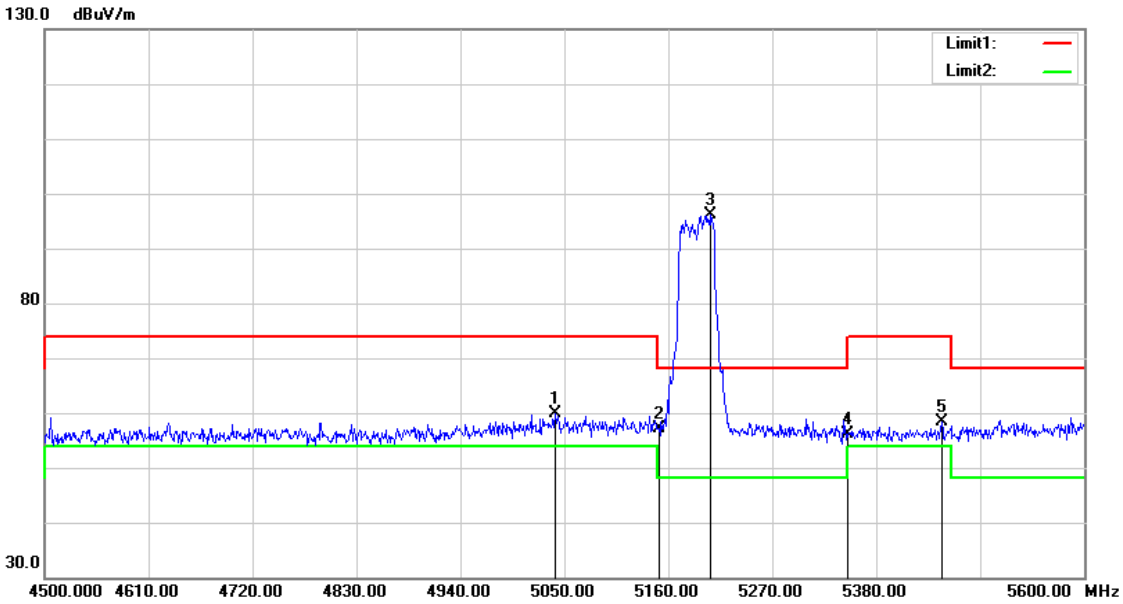
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5576.800	63.59	-0.45	63.14	68.20	-5.06	peak
2	5650.000	60.29	-0.28	60.01	68.20	-8.19	peak
3	5700.000	62.79	-0.16	62.63	105.20	-42.57	peak
4	5720.000	61.92	-0.11	61.81	110.80	-48.99	peak
5	5725.000	61.60	-0.10	61.50	122.20	-60.70	peak
6	5828.800	123.22	0.15	123.37	--	--	peak
7	5850.000	92.88	0.20	93.08	122.20	-29.12	peak
8	5855.000	91.39	0.21	91.60	110.80	-19.20	peak
9	5875.000	77.32	0.26	77.58	105.20	-27.62	peak
10	5925.000	65.48	0.38	65.86	68.20	-2.34	peak
11	5929.600	64.71	0.39	65.10	68.20	-3.10	peak

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

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

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

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



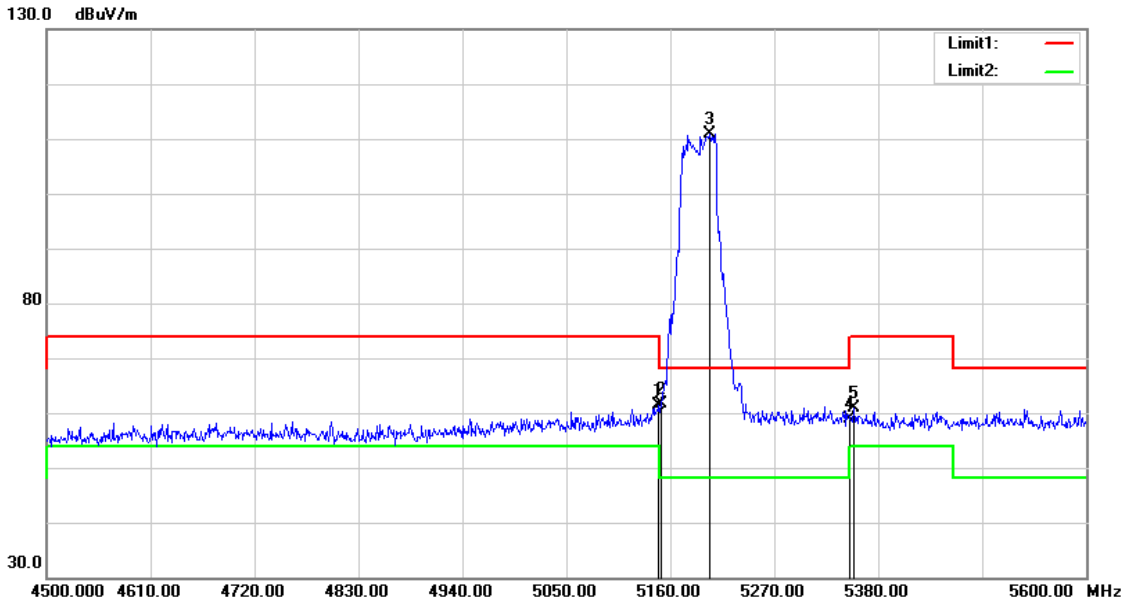
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5040.100	61.38	-1.55	59.83	74.00	-14.17	peak
2	5150.000	58.42	-1.33	57.09	74.00	-16.91	peak
3	5204.000	97.29	-1.22	96.07	--	--	peak
4	5350.000	57.05	-0.92	56.13	74.00	-17.87	peak
5	5449.300	59.12	-0.72	58.40	74.00	-15.60	peak

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

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

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

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



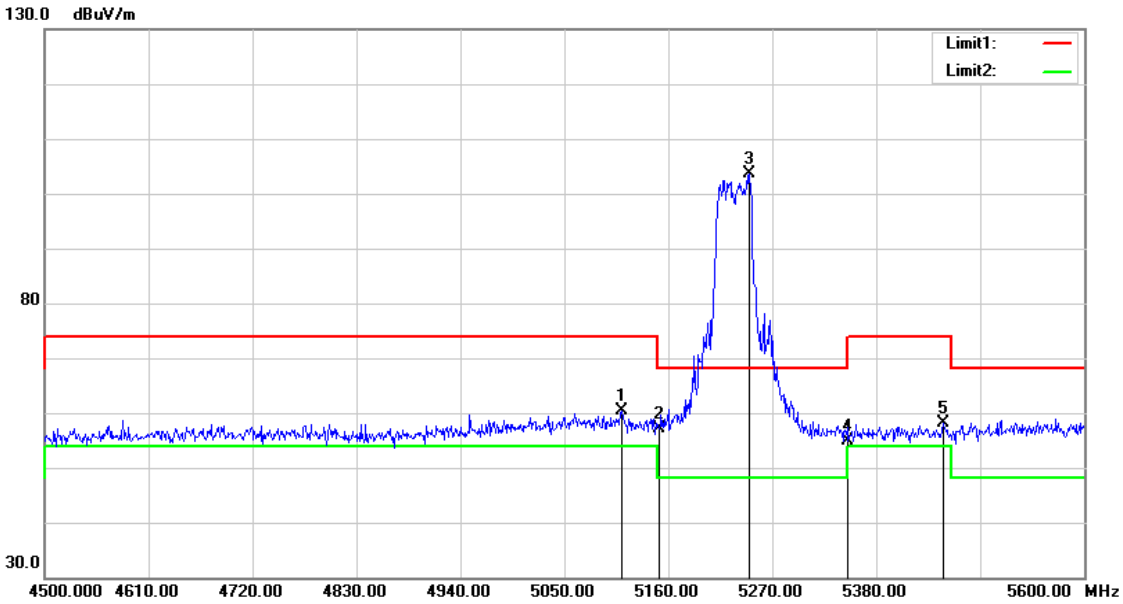
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.900	62.80	-1.33	61.47	74.00	-12.53	peak
2	5150.000	63.03	-1.33	61.70	74.00	-12.30	peak
3	5201.800	112.20	-1.22	110.98	--	--	peak
4	5350.000	59.72	-0.92	58.80	74.00	-15.20	peak
5	5354.700	61.76	-0.92	60.84	74.00	-13.16	peak

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

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

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

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



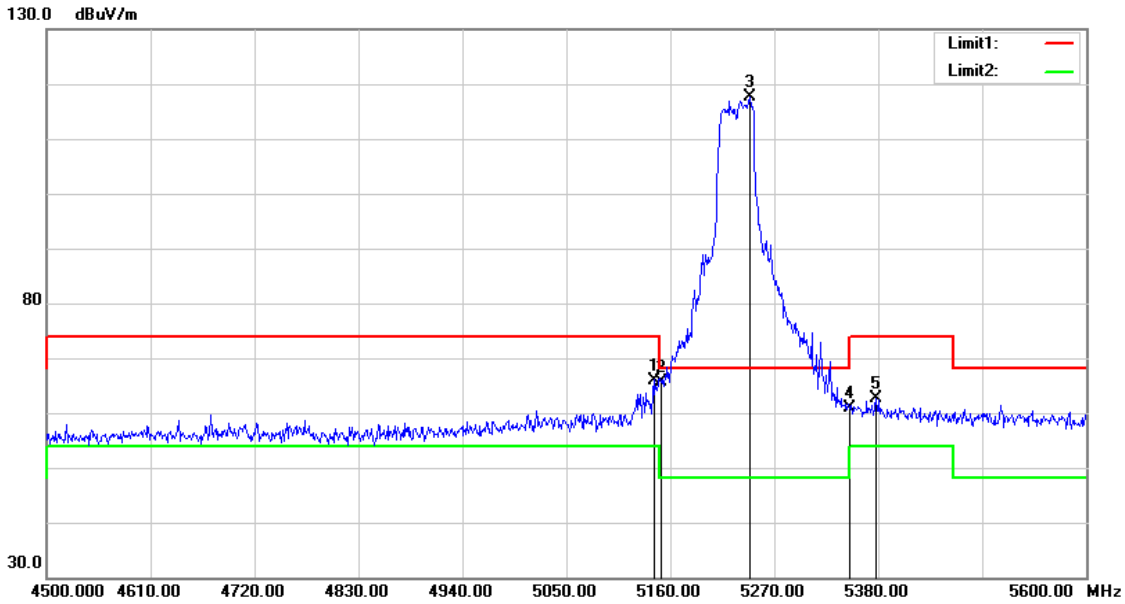
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5110.500	61.67	-1.41	60.26	74.00	-13.74	peak
2	5150.000	58.38	-1.33	57.05	74.00	-16.95	peak
3	5245.800	104.71	-1.13	103.58	--	--	peak
4	5350.000	55.68	-0.92	54.76	74.00	-19.24	peak
5	5450.400	58.91	-0.72	58.19	74.00	-15.81	peak

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

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

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

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



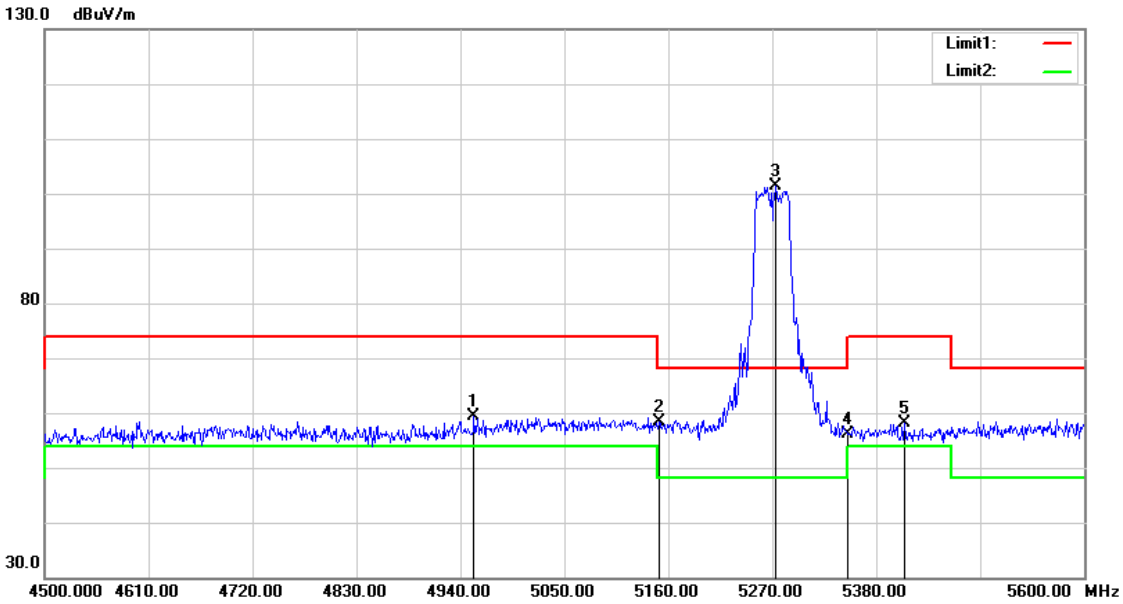
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.400	67.35	-1.35	66.00	74.00	-8.00	peak
2	5150.000	66.96	-1.33	65.63	74.00	-8.37	peak
3	5244.700	118.76	-1.13	117.63	--	--	peak
4	5350.000	61.72	-0.92	60.80	74.00	-13.20	peak
5	5377.800	63.44	-0.87	62.57	74.00	-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:	3 m
Test item:	Band edge		
Frequency:	5270 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



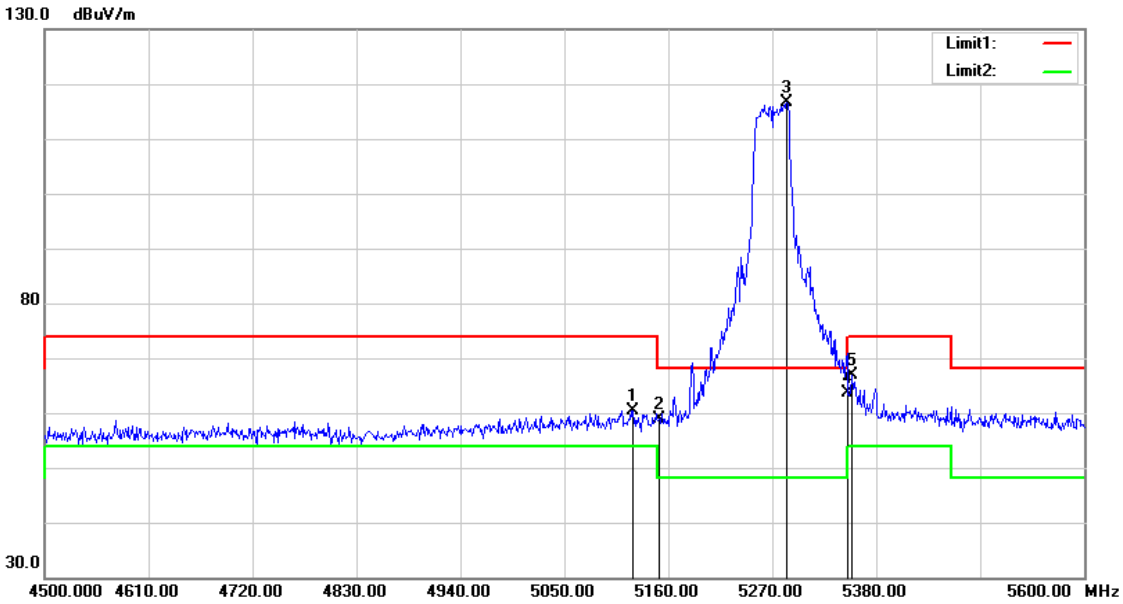
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4954.300	61.01	-1.75	59.26	74.00	-14.74	peak
2	5150.000	59.81	-1.33	58.48	74.00	-15.52	peak
3	5273.300	102.35	-1.08	101.27	--	--	peak
4	5350.000	57.09	-0.92	56.17	74.00	-17.83	peak
5	5409.700	58.98	-0.80	58.18	74.00	-15.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5270 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



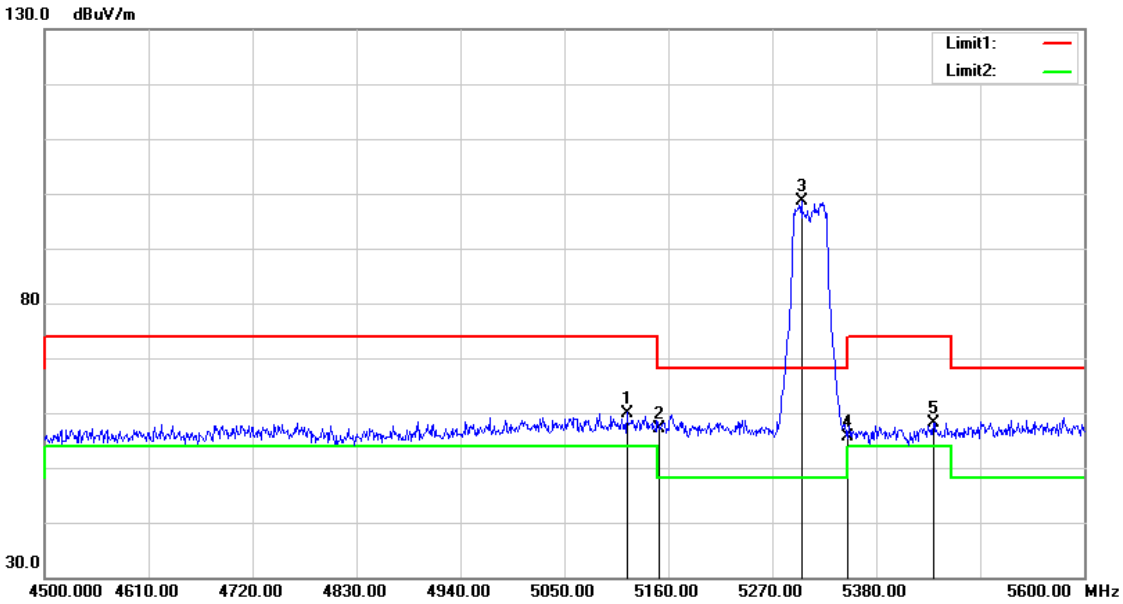
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5122.600	61.86	-1.38	60.48	74.00	-13.52	peak
2	5150.000	60.13	-1.33	58.80	74.00	-15.20	peak
3	5285.400	117.69	-1.05	116.64	--	--	peak
4	5350.000	64.58	-0.92	63.66	74.00	-10.34	peak
5	5354.700	67.76	-0.92	66.84	74.00	-7.16	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



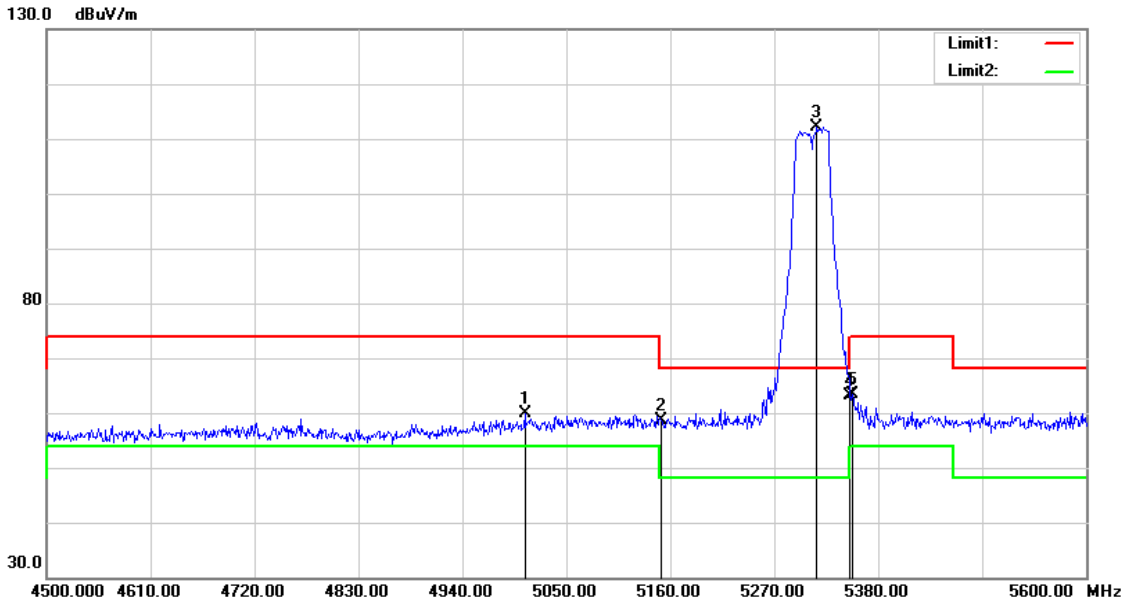
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5116.000	61.40	-1.40	60.00	74.00	-14.00	peak
2	5150.000	58.45	-1.33	57.12	74.00	-16.88	peak
3	5300.800	99.59	-1.03	98.56	--	--	peak
4	5350.000	56.60	-0.92	55.68	74.00	-18.32	peak
5	5440.500	58.85	-0.75	58.10	74.00	-15.90	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:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
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	5006.000	61.61	-1.63	59.98	74.00	-14.02	peak
2	5150.000	59.94	-1.33	58.61	74.00	-15.39	peak
3	5315.100	113.21	-1.00	112.21	--	--	peak
4	5350.000	64.10	-0.92	63.18	74.00	-10.82	peak
5	5352.500	64.18	-0.92	63.26	74.00	-10.74	peak

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

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

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