

RF Test Report

Applicant : Control4
Product Type : 802.11ac 2x2 Wave 2 Access Point
Trade Name : pakedge
Model Number : WA-2200-1, WA-2200, WA-2200-C, WA-2200-C-1
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Receive Date : Feb. 18, 2019
Test Period : Mar. 18 ~ Apr. 28, 2019
Issue Date : May 14, 2019

Issue by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW0010

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	May 14, 2019	Initial Issue	Nina Lin

Verification of Compliance

Issued Date: May 14, 2019

Applicant : Control4
Product Type : 802.11ac 2x2 Wave 2 Access Point
Trade Name : pakedge
Model Number : WA-2200-1, WA-2200, WA-2200-C, WA-2200-C-1
FCC ID : R33WA2200
EUT Rated Voltage : DC 12 V, 1 A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART E
ANSI C63.10:2013
Test Result : Complied
Performing Lab. : A Test Lab Techno Corp.

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



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

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

Reviewed By : Eric Ou Yang
(Testing Engineer) (Eric Ou Yang)

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1 General Information

1.1. Summary of Test Result

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

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

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



1.2. Measurement Uncertainty

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



2 EUT Description

Applicant	Control4 11734 S. Election Road, Draper, Utah, 84020, United States				
Manufacturer	Control4 11734 S. Election Road, Draper, Utah, 84020, United States				
Product Type	802.11ac 2x2 Wave 2 Access Point				
Trade Name	pakedge				
Model Number	WA-2200-1, WA-2200, WA-2200-C, WA-2200-C-1				
Model Number Different Description	Those model numbers differ from each other in selling region.				
FCC ID	R33WA2200				
Class II Permissive Change	Add U-NII Band II function by software control.				
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels	
	IEEE 802.11a	U-NII Band II-A	5260 – 5320	4	
		U-NII Band II-C	5500 – 5700	8	
	IEEE 802.11n 5 GHz 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band II-A	5260 – 5320	4	
		U-NII Band II-C	5500 – 5700	8	
	IEEE 802.11n 5 GHz 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band II-A	5270 – 5310	2	
		U-NII Band II-C	5510 – 5670	3	
	IEEE 802.11ac 80 MHz	U-NII Band II-A	5290	1	
U-NII Band II-C		5530	1		
Modulation Type	OFDM				
Equipment Type	Master				
Antenna information	ANT	Model	Type	Frequency Range (MHz)	Max. Gain
	ANT-0	5718A0289300	Metal PIFA Antenna	5260 – 5320	3.98
				5500 – 5700	5.30
	ANT-1	5718A0289300	Metal PIFA Antenna	5260 – 5320	5.38
				5500 – 5700	4.88
	G _{ANT}			5260 – 5320	4.74
5500 – 5700				5.10	
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ +40 °C				



Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band II-A	0.104
	U-NII Band II-C	0.110
IEEE 802.11ac 20 MHz	U-NII Band II-A	0.108
	U-NII Band II-C	0.113
IEEE 802.11ac 40 MHz	U-NII Band II-A	0.139
	U-NII Band II-C	0.149
IEEE 802.11ac 80 MHz	U-NII Band II-A	0.090
	U-NII Band II-C	0.086

Beamforming on

Frequency Band		RF Output Power (W)
IEEE 802.11ac 20 MHz	U-NII Band II-A	0.049
	U-NII Band II-C	0.050
IEEE 802.11ac 40 MHz	U-NII Band II-A	0.064
	U-NII Band II-C	0.073
IEEE 802.11ac 80 MHz	U-NII Band II-A	0.041
	U-NII Band II-C	0.041

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

3 Test Methodology

3.1. Mode of Operation

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

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

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

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

Note: AC Adapter (Model Number: PS1012-120HUB100) is the worst case.

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
Mode 2	2TX (CDD)	6	U-NII Band II-A	52, 56, 64
			U-NII Band II-C	100, 112, 140
Mode 3	2TX (CDD/Beamforming on)	13	U-NII Band II-A	52, 56, 64
			U-NII Band II-C	100, 112, 140
Mode 4	2TX (CDD/Beamforming on)	27	U-NII Band II-A	54, 62
			U-NII Band II-C	102, 110, 134
Mode 5	2TX (CDD/Beamforming on)	58.6	U-NII Band II-A	58
			U-NII Band II-C	106, 122



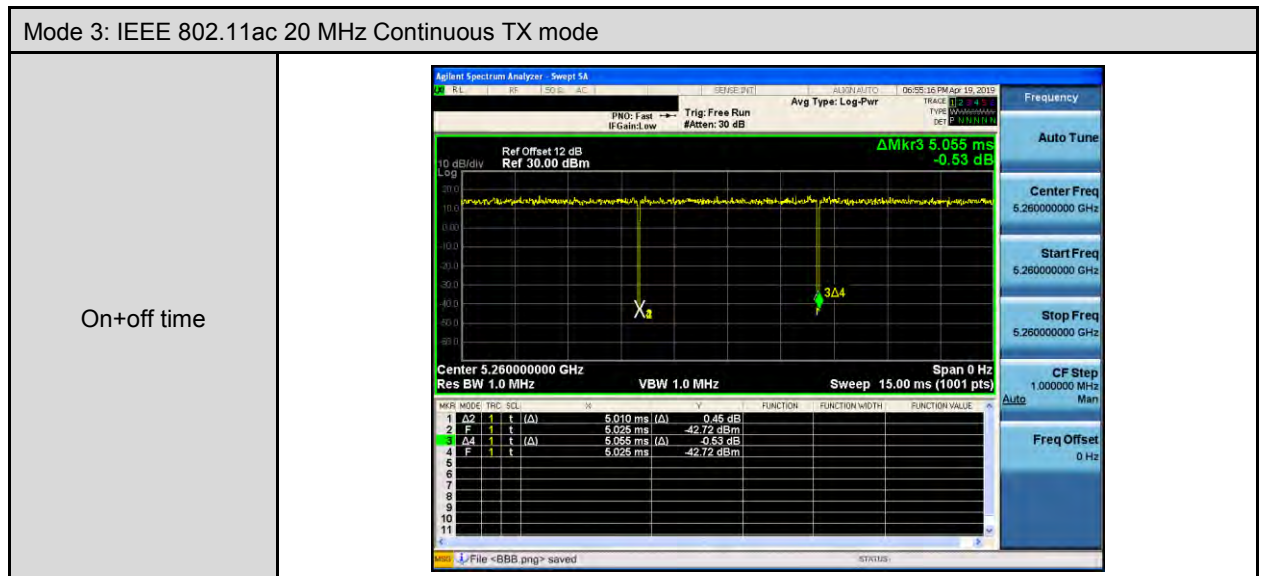
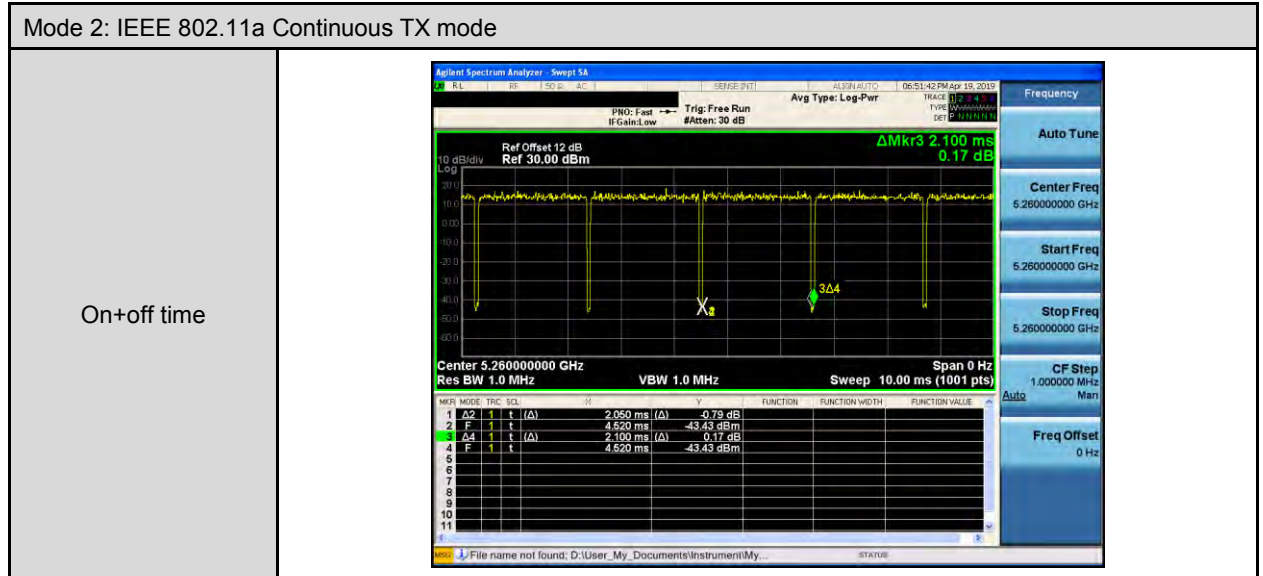
Duty cycle

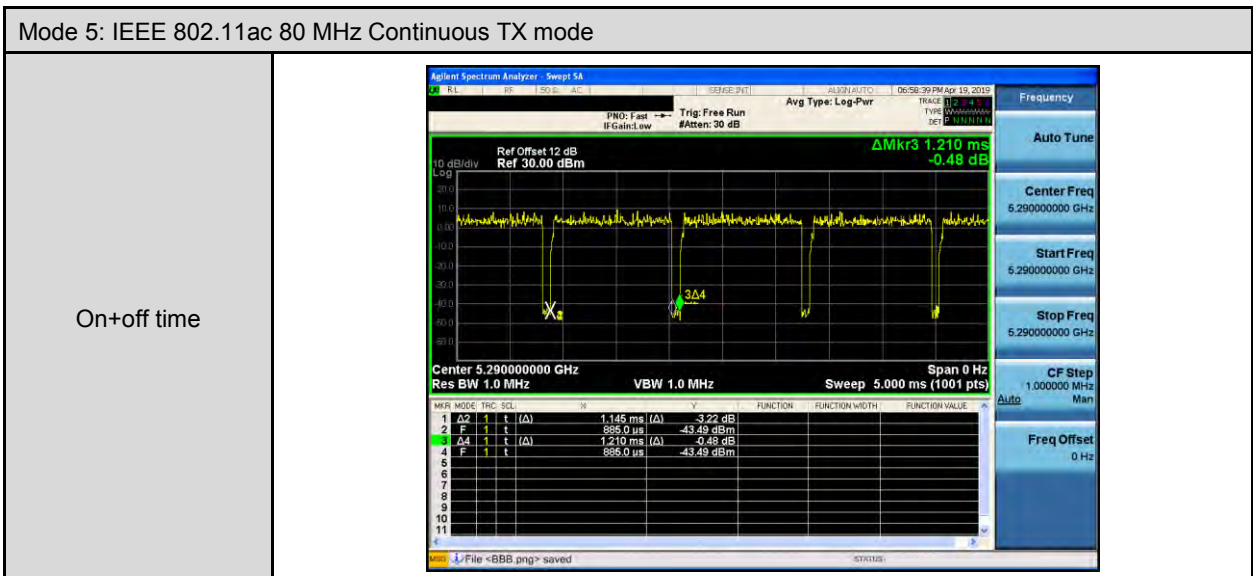
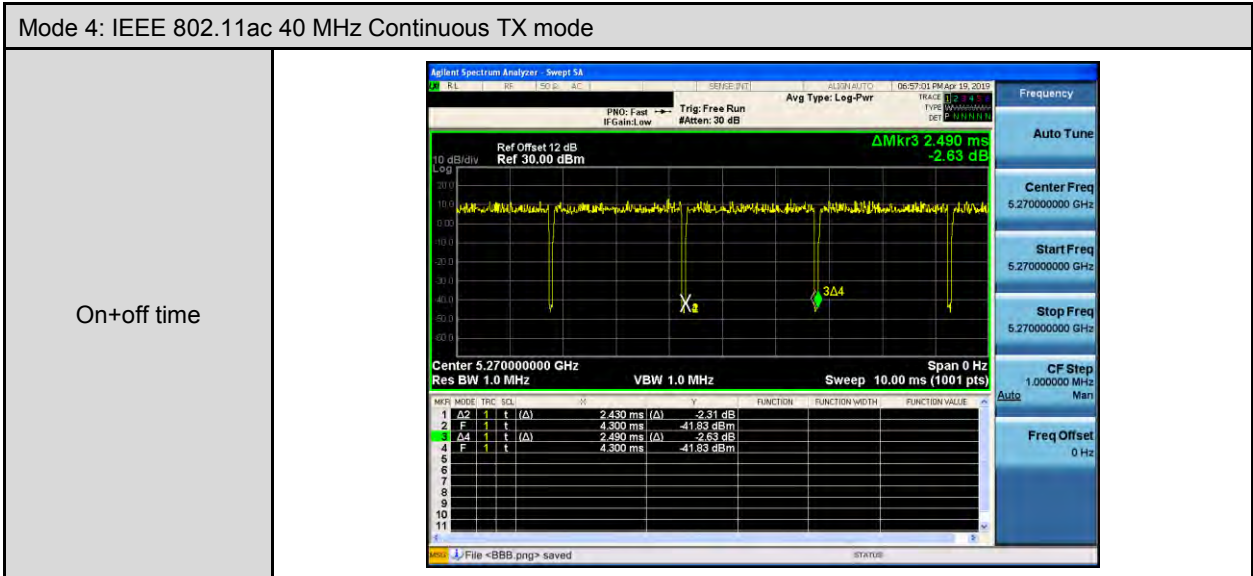
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	5260.0	2.050	2.100	0.976	0.105	0.488
Mode 3	5260.0	5.010	5.055	0.991	0.039	0.010
Mode 4	5270.0	2.430	2.490	0.976	0.106	0.412
Mode 5	5290.0	1.145	1.210	0.946	0.240	0.873

Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 3	5260.0	5.010	5.055	0.991	0.039	0.010
Mode 4	5270.0	2.430	2.490	0.976	0.106	0.412
Mode 5	5290.0	1.145	1.210	0.946	0.240	0.873

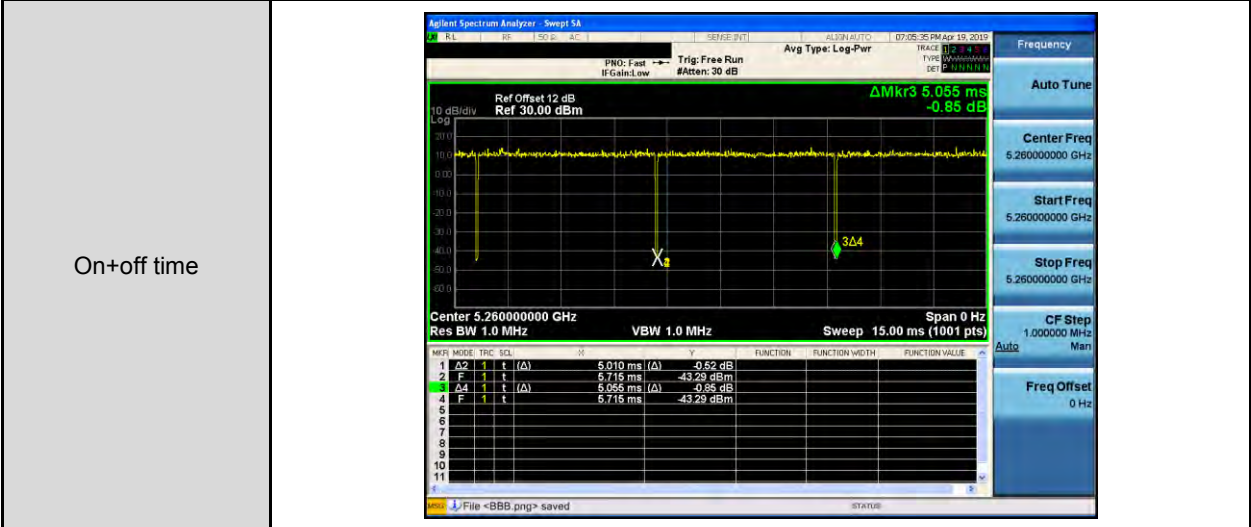
Duty Cycle Graphs



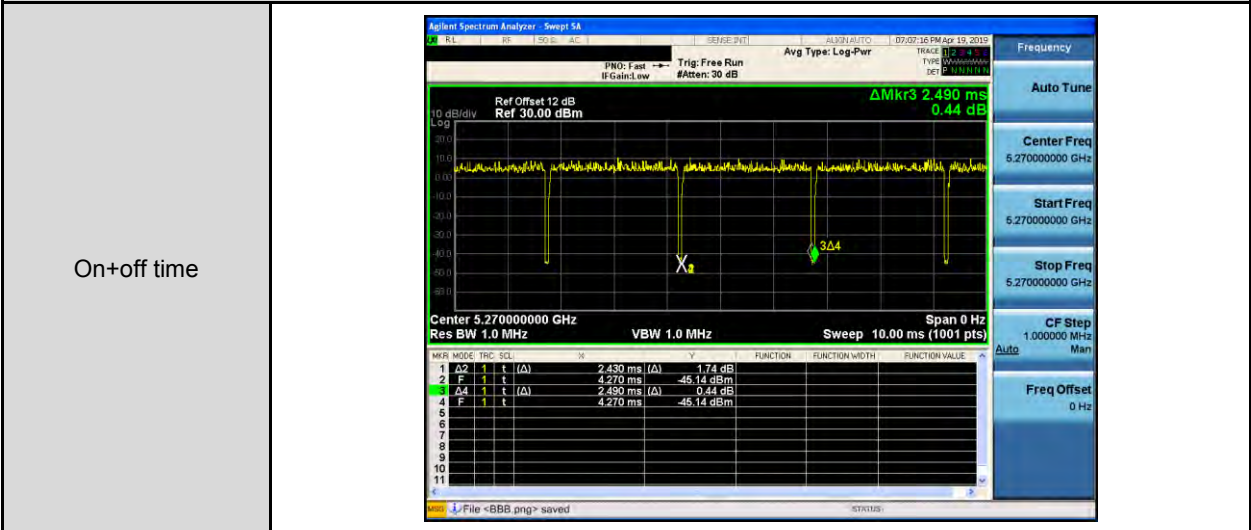


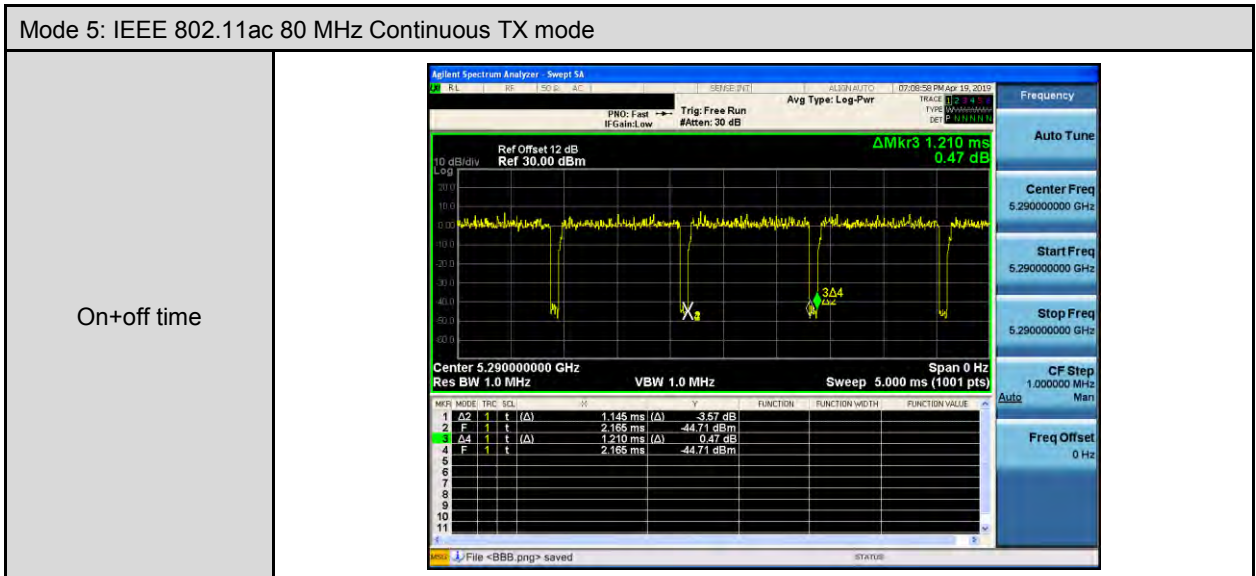
Beamforming on

Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode







3.2. EUT Test Step

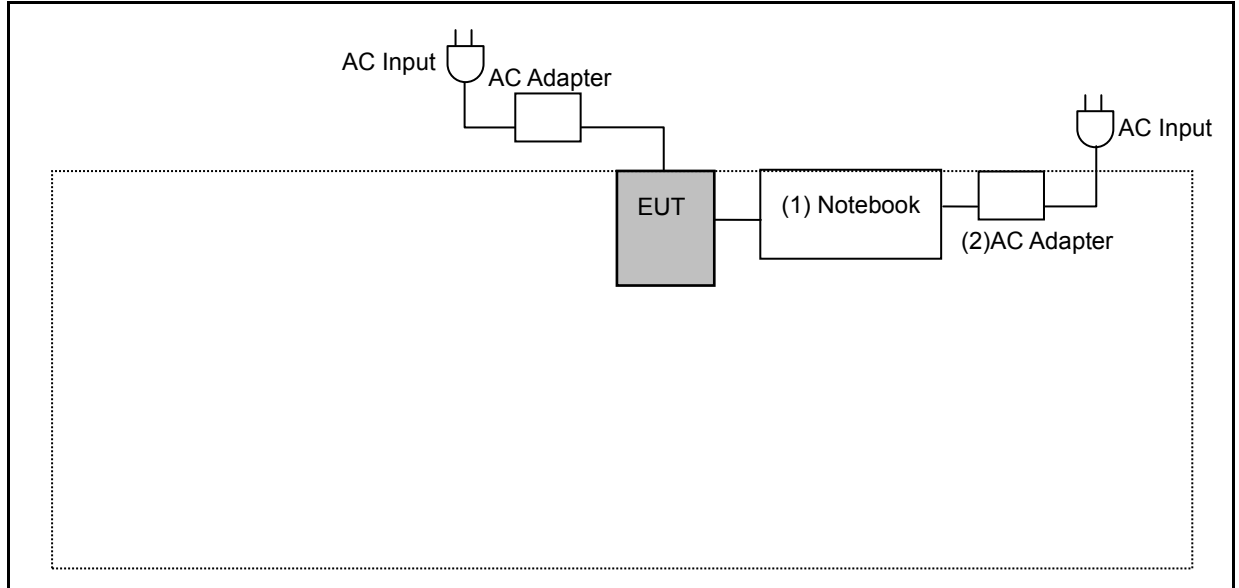
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

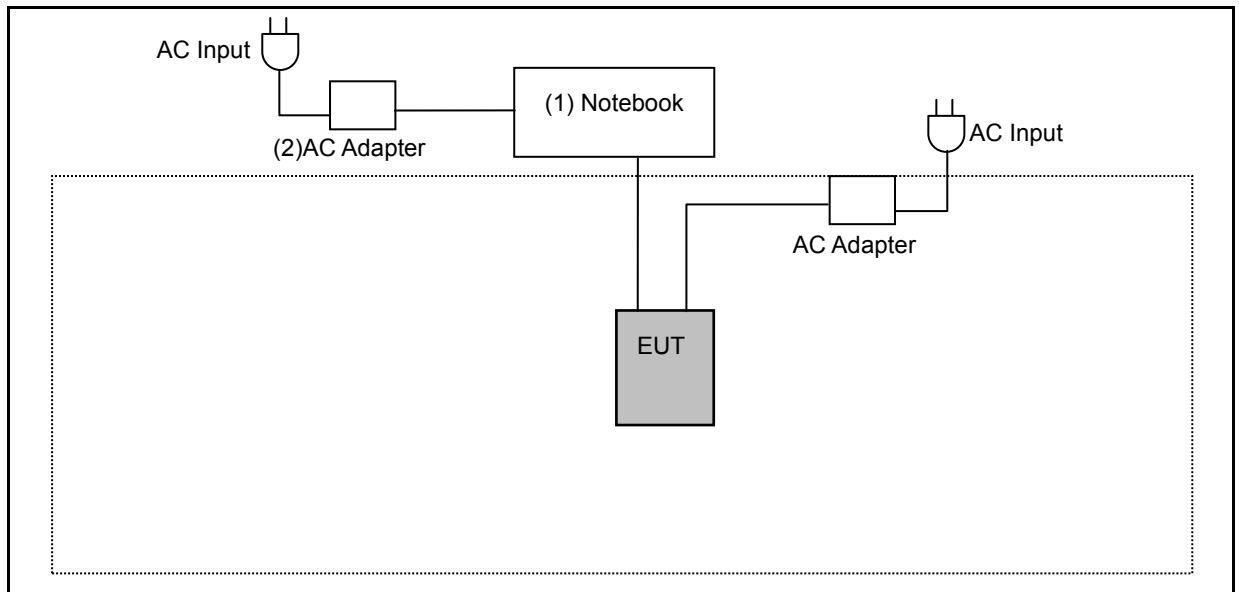
Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	1.1.4.3
2	Radiated Emission	EZ EMC	1.1.4.4

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	DELL	LATITUDE E5440	BRTQXY1	---
(2)	AC Adapter	DELL	HA65NM130		Non-Shielded, 0.8 m



3.4. Test Instruments

For Conducted Emission
Test Period: Apr. 28, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/21/2018	1 year
LISN	R&S	ENV216	101040	04/03/2019	1 year
LISN	R&S	ENV216	101041	03/28/2019	1 year
RF Cable	Woken	00100D1380194M	TE-02-03	05/17/2018	1 year

For Radiated Emissions
Test Period: Mar. 18 ~ Mar. 21, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/14/2019	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/16/2018	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/14/2019	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/23/2018	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/19/2018	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/23/2018	1 year
Horn Antenna (18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/07/2018	1 year
Loop Antenna	Electro-Metrics	EMCI-LPA600	277	04/19/2018	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2019	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 3000	170814	10/30/2018	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2019	1 year

For Conducted
Test Period: Apr. 19 ~ Apr. 22, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/25/2018	1 year
Power Sensor	Anritsu	MA2411B	1126022	08/29/2018	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2018	1 year



3.5. Test Site Environment

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

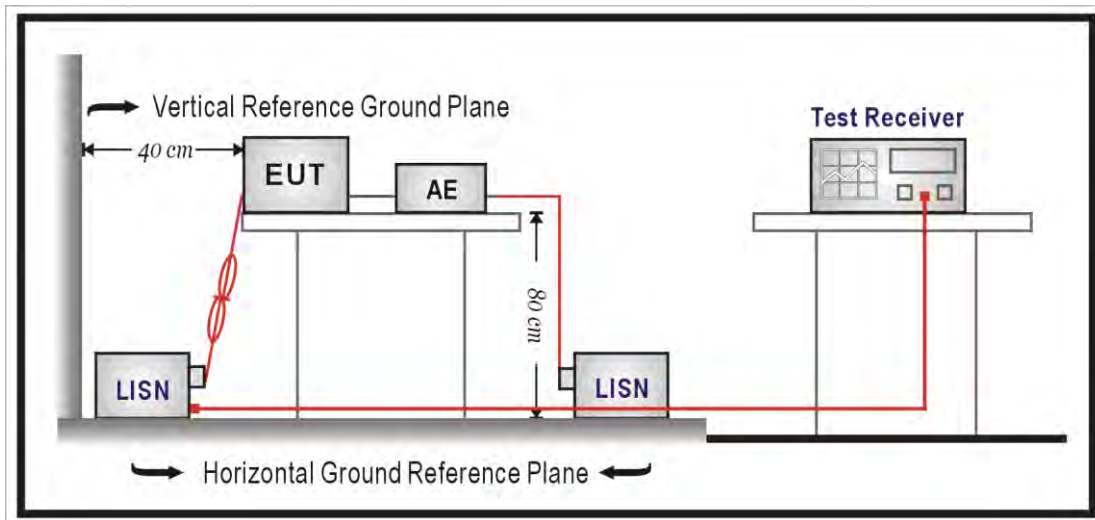
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ Limit

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

■ Test Setup



■ Test Procedure

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

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

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

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

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

4.2. Transmitter Radiated Emissions Measurement

■ Limit

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

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

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

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

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

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

(2)Limits of Radiated Emission Measurement

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

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

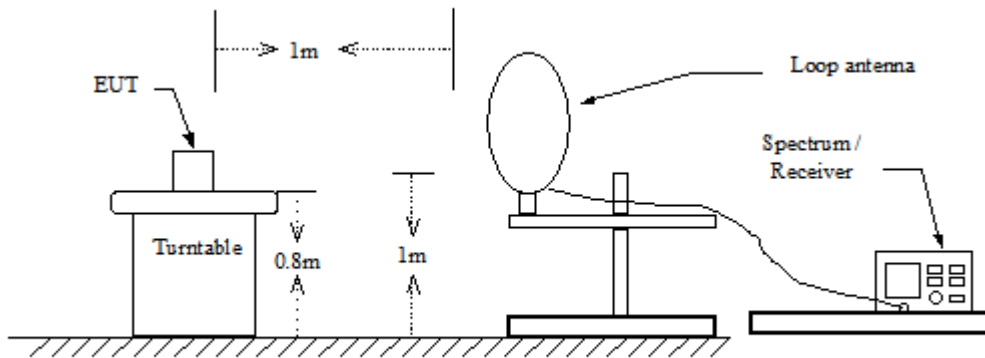
Note: 1. The lower limit shall apply at the transition frequencies.

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

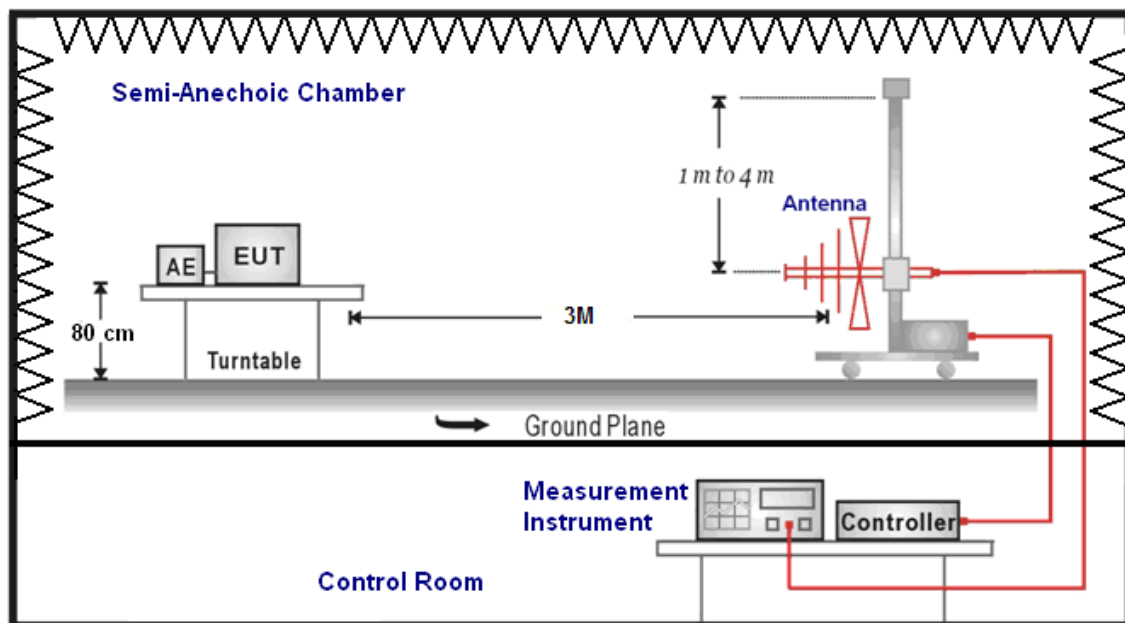
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

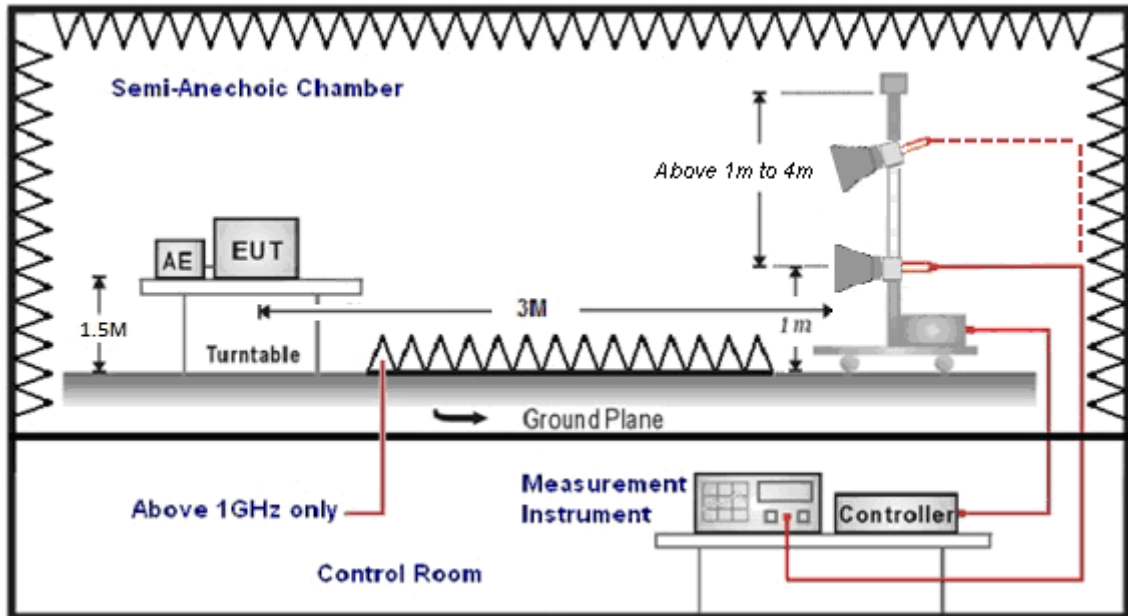
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



■ Test Procedure

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

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

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

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

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

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



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

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

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

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

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

The actual field intensity in decibels 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 and Transmit power control Measurement

■ Limit

Conducted Output Power

Frequency Range (MHz)	FCC Limit
5.250 ~ 5.350 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)
5.470 ~ 5.725 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)

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

* Directional Gain = $G_{ANT} = 10 \cdot \log\left\{\frac{10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}}{NANT}\right\} = 4.74 \text{ dBi} < 6 \text{ dBi}$
(5.250 ~ 5.350 GHz)

* Directional Gain = $G_{ANT} = 10 \cdot \log\left\{\frac{10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}}{NANT}\right\} = 5.1 \text{ dBi} < 6 \text{ dBi}$
(5.470 ~ 5.725 GHz)

IEEE 802.11a

CDD mode power limit shall be reduced = 23.13 dBm (5.250 ~ 5.350 GHz)

Max conducted power = 250 mW(24 dBm) or $11 + 10 \cdot \text{Log}(B)$, $B=26\text{dB BW}$; $11 + 10 \cdot \text{Log}(16.328)=23.13$,
 $23.13 \text{ dBm} \leq 24 \text{ dBm}$

CDD mode power limit shall be reduced = 23.08 dBm (5.470 ~ 5.725 GHz)

Max conducted power = 250 mW(24 dBm) or $11 + 10 \cdot \text{Log}(B)$, $B=26\text{dB BW}$; $11 + 10 \cdot \text{Log}(16.16)=23.08$,
 $23.08 \text{ dBm} \leq 24 \text{ dBm}$

IEEE 802.11ac 20 MHz

CDD mode power limit shall be reduced = 23.41 dBm (5.250 ~ 5.350 GHz)

Max conducted power = 250 mW(24 dBm) or $11 + 10 \cdot \text{Log}(B)$, $B=26\text{dB BW}$; $11 + 10 \cdot \text{Log}(17.438)=23.41$,
 $23.41 \text{ dBm} \leq 24 \text{ dBm}$

CDD mode power limit shall be reduced = 23.38 dBm (5.470 ~ 5.725 GHz)

Max conducted power = 250 mW(24 dBm) or $11 + 10 \cdot \text{Log}(B)$, $B=26\text{dB BW}$; $11 + 10 \cdot \text{Log}(17.282)=23.38$,
 $23.38 \text{ dBm} \leq 24 \text{ dBm}$

IEEE 802.11ac 40 MHz / IEEE 802.11ac 80 MHz

CDD mode power limit shall be reduced = 24.00 dBm (5.250 ~ 5.350 GHz)

CDD mode power limit shall be reduced = 24.00 dBm (5.470 ~ 5.725 GHz)

Beamforming on

* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 7.72 dBi > 6 dBi
(5.250 ~ 5.350 GHz)

* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 8.10 dBi > 6 dBi
(5.470 ~ 5.725 GHz)

IEEE 802.11ac 20 MHz

BF mode power limit shall be reduced = 23.41 - 1.72 = 21.69 dBm (5.250 ~ 5.350 GHz)

Max conducted power = 250 mW (24 dBm) or $11 + 10 \cdot \log(B)$, B=26dB BW : $11 + 10 \cdot \log(17.43) = 23.41$,
23.41 dBm \leq 24 dBm

BF mode power limit shall be reduced = 23.35 - 2.10 = 21.25 dBm (5.470 ~ 5.725 GHz)

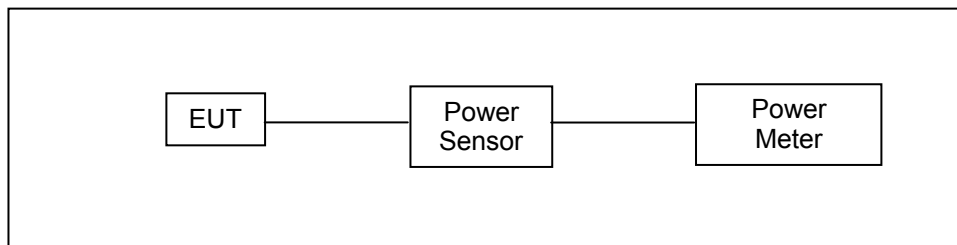
Max conducted power = 250 mW (24 dBm) or $11 + 10 \cdot \log(B)$, B=26dB BW : $11 + 10 \cdot \log(17.196) = 23.35$,
23.35 dBm \leq 24 dBm

IEEE 802.11ac 40 MHz / IEEE 802.11ac 80 MHz

BF mode power limit shall be reduced = 24.00 - 1.72 = 22.28 dBm (5.250 ~ 5.350 GHz)

BF mode power limit shall be reduced = 24.00 - 2.10 = 21.90 dBm (5.470 ~ 5.725 GHz)

■ 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)

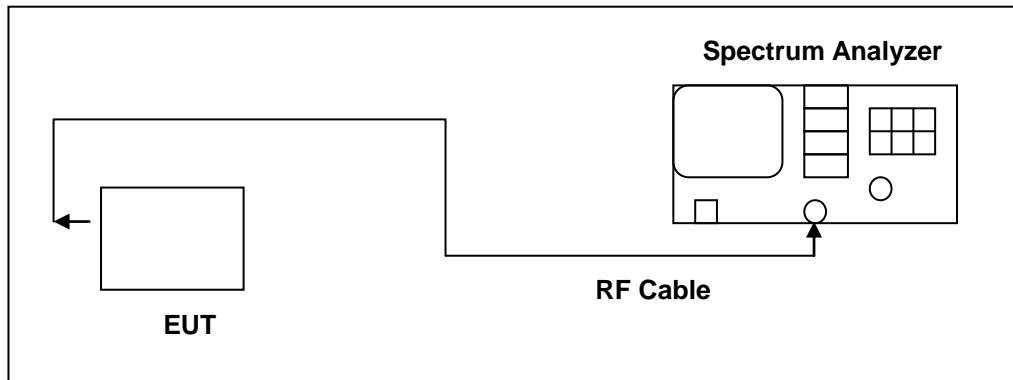
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth

■ **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. Maximum Power Spectral Density Measurement

■ Limit

Conducted power spectral density

Frequency Range	FCC Limit
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.725 GHz	11 dBm/MHz

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

* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 7.72 dBi > 6 dBi
(5.250 ~ 5.350 GHz)

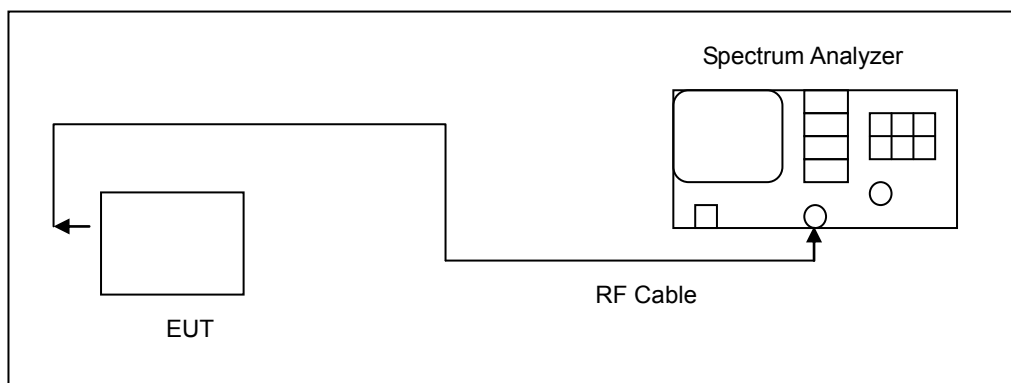
* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 8.1 dBi > 6 dBi
(5.470 ~ 5.725 GHz)

IEEE 802.11a / IEEE 802.11ac 20 MHz / IEEE 802.11ac 40 MHz / IEEE 802.11ac 80 MHz

CCD/BF mode power limit shall be reduced = 11 - 1.72 = 9.28 dBm/MHz (5.250 ~ 5.350 GHz)

CCD/BF mode power limit shall be reduced = 11 - 2.10 = 8.90 dBm/MHz (5.470 ~ 5.725 GHz)

■ Test Setup





■ **Test Procedure**

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

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



4.6. 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.

4.7. 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.



■ **Directional Gain Calculated**

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band II-A	4.74
	U-NII Band II-C	5.10
IEEE 802.11ac 20 MHz	U-NII Band II-A	4.74
	U-NII Band II-C	5.10
IEEE 802.11ac 40 MHz	U-NII Band II-A	4.74
	U-NII Band II-C	5.10
IEEE 802.11ac 80 MHz	U-NII Band II-A	4.74
	U-NII Band II-C	5.10

Beamforming on

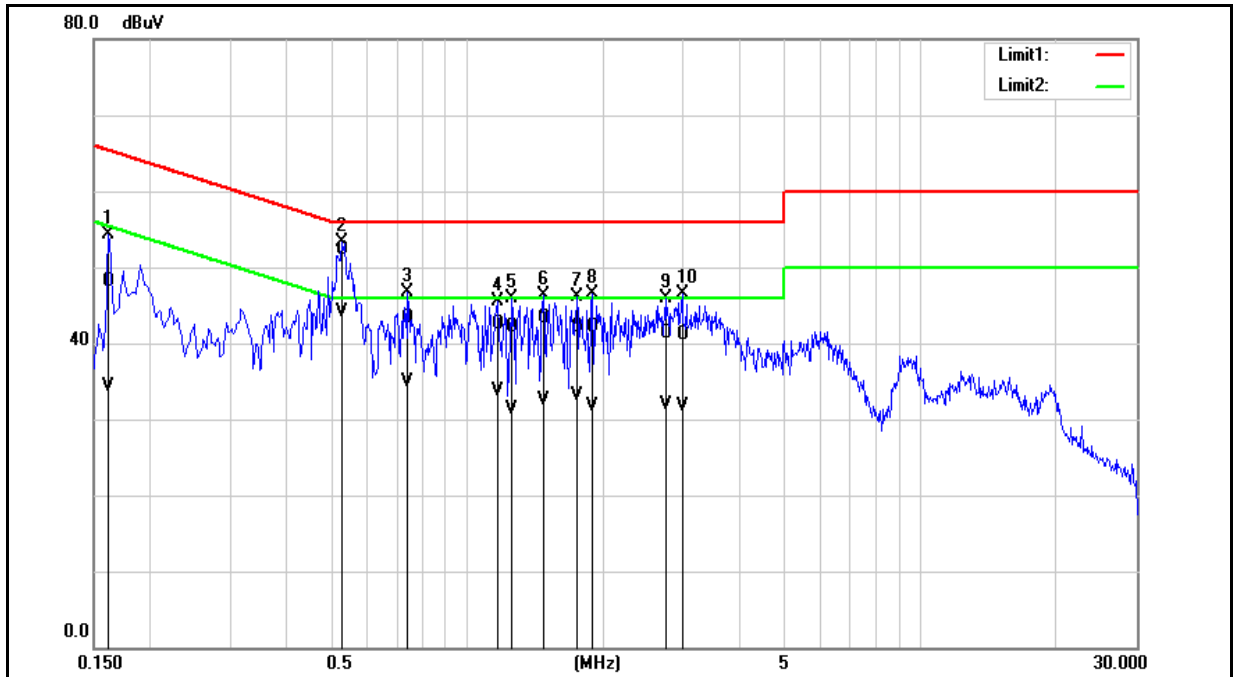
Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11ac 20 MHz	U-NII Band II-A	7.72
	U-NII Band II-C	8.10
IEEE 802.11ac 40 MHz	U-NII Band II-A	7.72
	U-NII Band II-C	8.10
IEEE 802.11ac 80 MHz	U-NII Band II-A	7.72
	U-NII Band II-C	8.10



5 Test Results

5.1. AC Power Conducted Emission Measurement

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

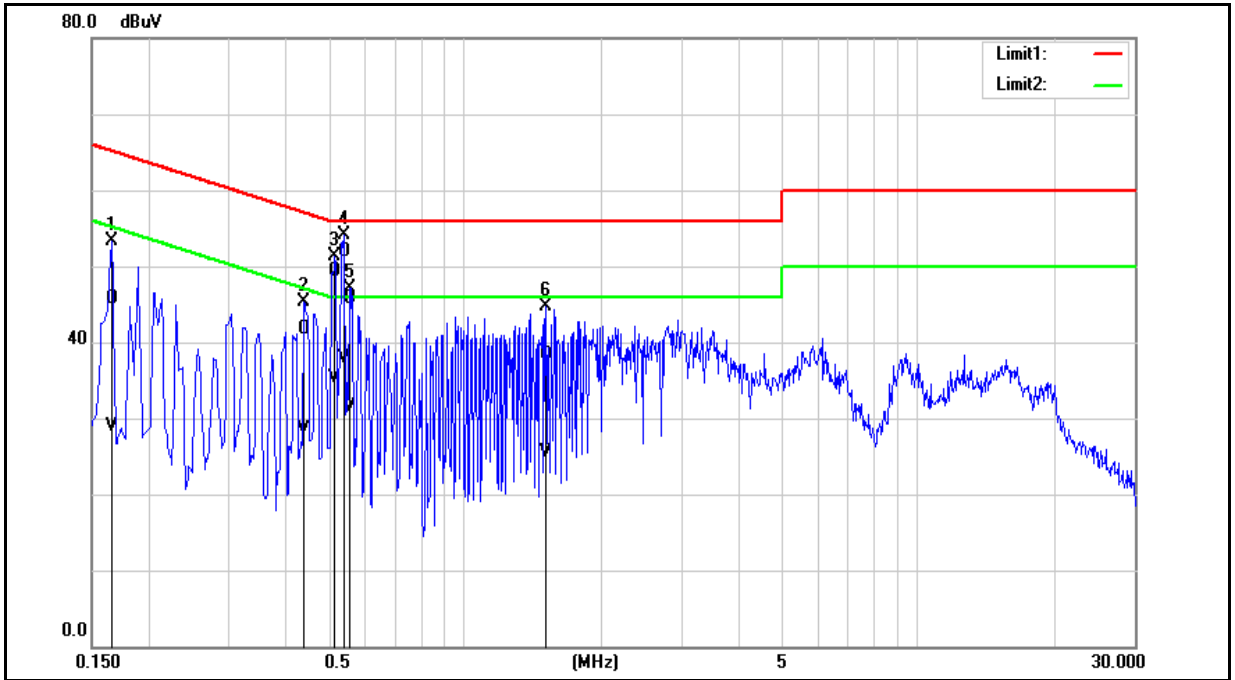


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	38.49	24.74	9.64	48.13	34.38	65.36	55.36	-17.23	-20.98	Pass
2	0.5300	42.65	34.54	9.64	52.29	44.18	56.00	46.00	-3.71	-1.82	Pass
3	0.7420	33.72	25.20	9.66	43.38	34.86	56.00	46.00	-12.62	-11.14	Pass
4	1.1660	32.78	24.01	9.67	42.45	33.68	56.00	46.00	-13.55	-12.32	Pass
5	1.2580	32.48	21.58	9.68	42.16	31.26	56.00	46.00	-13.84	-14.74	Pass
6	1.4740	33.54	22.87	9.68	43.22	32.55	56.00	46.00	-12.78	-13.45	Pass
7	1.7500	32.32	23.41	9.69	42.01	33.10	56.00	46.00	-13.99	-12.90	Pass
8	1.8900	32.40	21.98	9.70	42.10	31.68	56.00	46.00	-13.90	-14.32	Pass
9	2.7580	31.56	22.27	9.73	41.29	32.00	56.00	46.00	-14.71	-14.00	Pass
10	2.9860	31.47	21.95	9.73	41.20	31.68	56.00	46.00	-14.80	-14.32	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	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
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	0.1660	36.11	19.23	9.67	45.78	28.90	65.16	55.16	-19.38	-26.26	Pass
2	0.4420	31.99	18.77	9.67	41.66	28.44	57.02	47.02	-15.36	-18.58	Pass
3	0.5180	39.64	25.62	9.67	49.31	35.29	56.00	46.00	-6.69	-10.71	Pass
4	0.5420	42.19	28.24	9.67	51.86	37.91	56.00	46.00	-4.14	-8.09	Pass
5	0.5580	35.96	21.84	9.67	45.63	31.51	56.00	46.00	-10.37	-14.49	Pass
6	1.5100	28.53	15.69	9.72	38.25	25.41	56.00	46.00	-17.75	-20.59	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. Transmitter Radiated Emissions Measurement

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
93.0500	37.69	-11.84	25.85	43.50	-17.65	QP	H
162.8900	41.42	-5.45	35.97	43.50	-7.53	QP	H
279.2900	33.09	-4.34	28.75	46.00	-17.25	QP	H
385.0200	33.69	-2.12	31.57	46.00	-14.43	QP	H
497.5400	36.42	0.16	36.58	46.00	-9.42	QP	H
848.6800	29.09	6.97	36.06	46.00	-9.94	QP	H
82.3800	45.09	-11.14	33.95	40.00	-6.05	QP	V
157.0700	42.52	-5.40	37.12	43.50	-6.38	QP	V
225.9400	39.90	-7.06	32.84	46.00	-13.16	QP	V
387.9300	32.63	-2.04	30.59	46.00	-15.41	QP	V
493.6600	34.86	0.11	34.97	46.00	-11.03	QP	V
776.9000	29.80	5.97	35.77	46.00	-10.23	QP	V

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

Example: 25.89=-11.84+37.69.

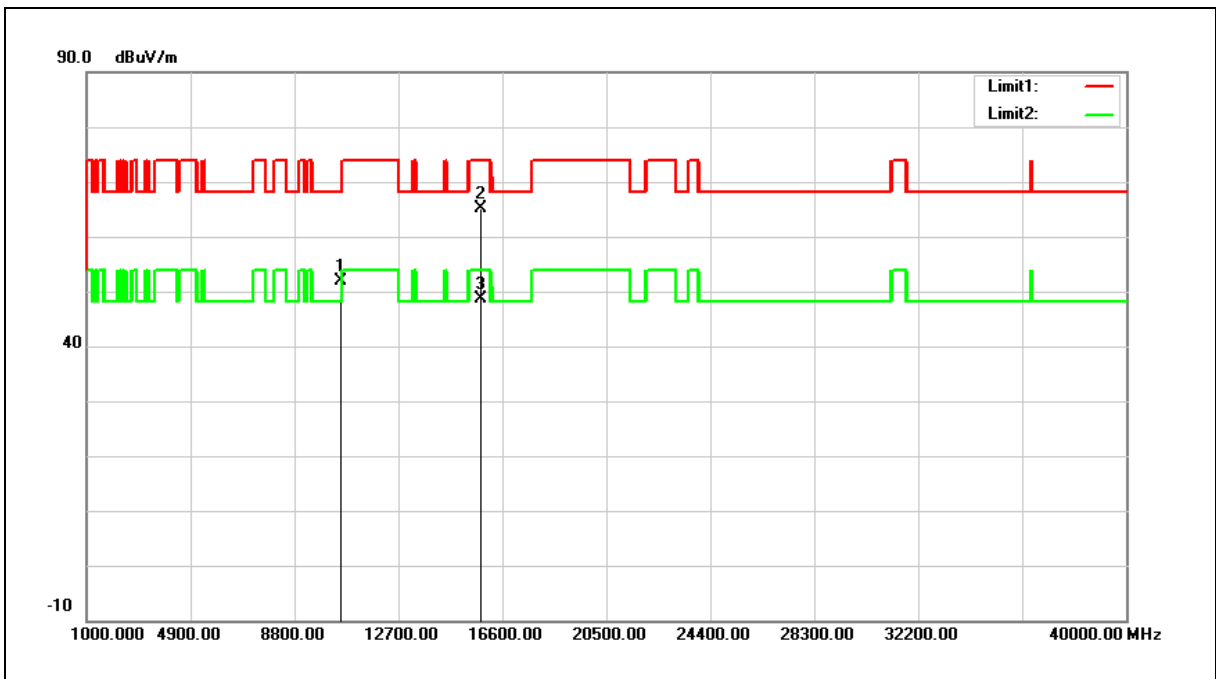
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	34.48	17.35	51.83	68.20	-16.37	peak
2	15780.000	46.69	18.41	65.10	74.00	-8.90	peak
3	15780.000	30.33	18.41	48.74	54.00	-5.26	AVG

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

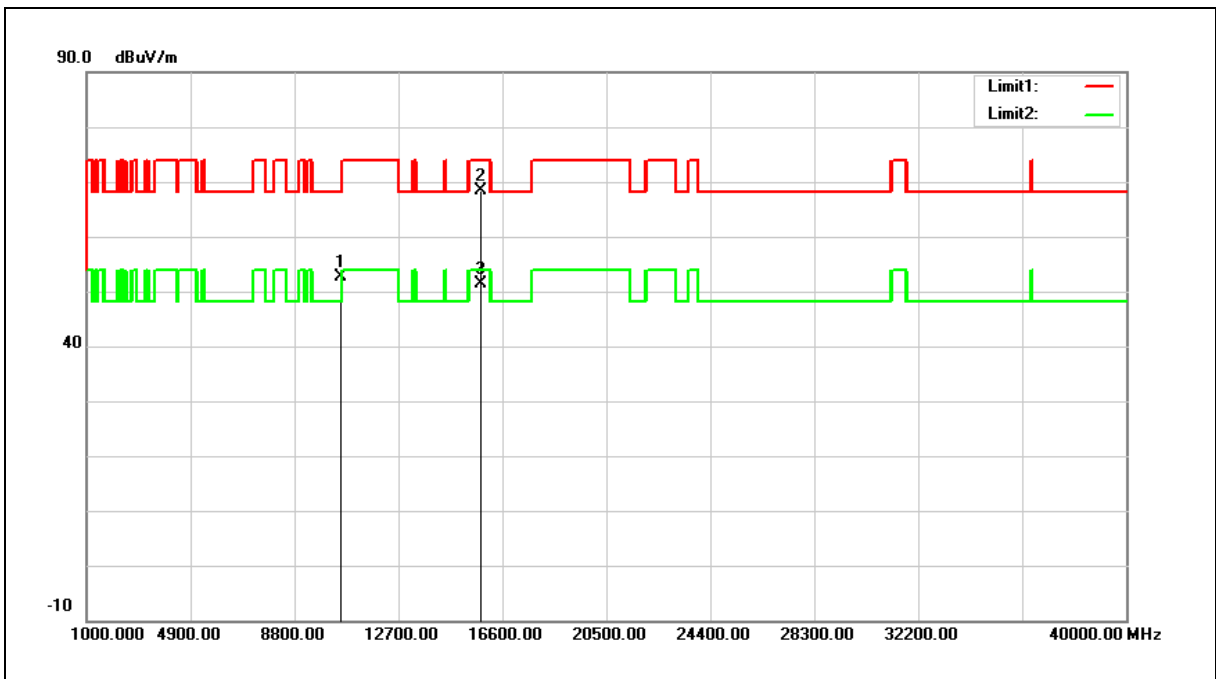
Example: 51.83=17.35+34.48.

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	35.17	17.35	52.52	68.20	-15.68	peak
2	15780.000	49.98	18.39	68.37	74.00	-5.63	peak
3	15780.000	33.04	18.39	51.43	54.00	-2.57	AVG

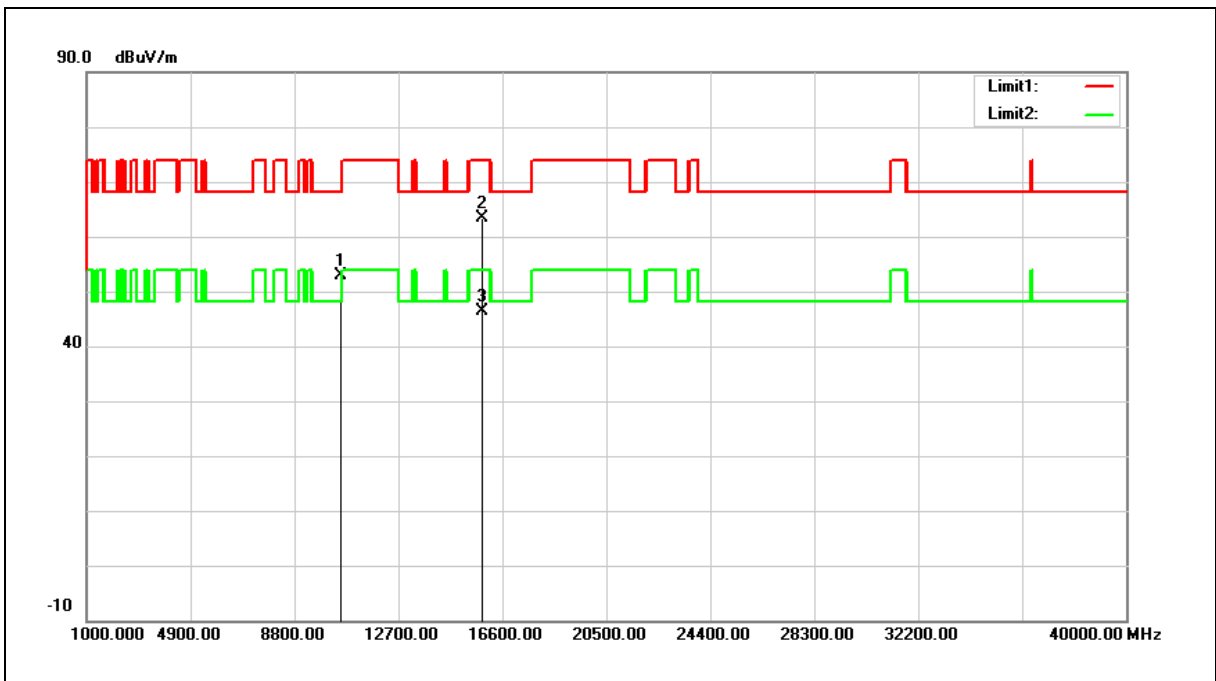
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 52.52=17.35+35.17.

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	35.37	17.44	52.81	68.20	-15.39	peak
2	15840.000	45.12	18.26	63.38	74.00	-10.62	peak
3	15840.000	28.08	18.26	46.34	54.00	-7.66	AVG

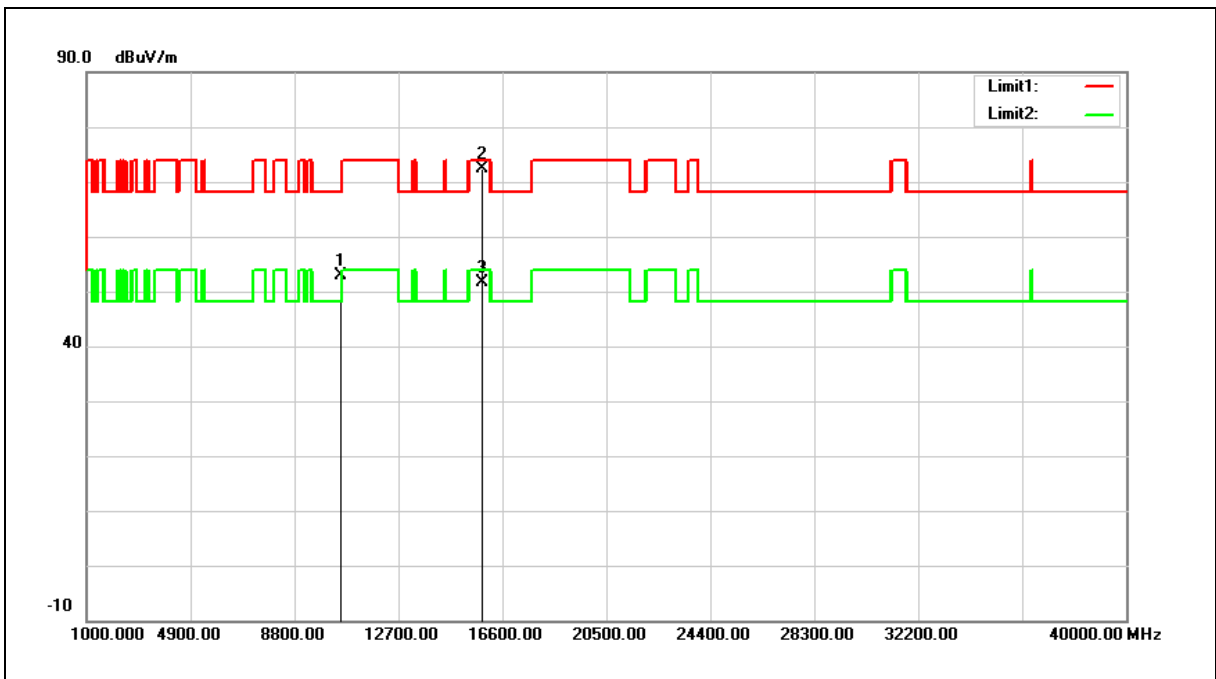
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	35.47	17.44	52.91	68.20	-15.29	peak
2	15840.000	54.05	18.26	72.31	74.00	-1.69	peak
3	15840.000	33.37	18.26	51.63	54.00	-2.37	AVG

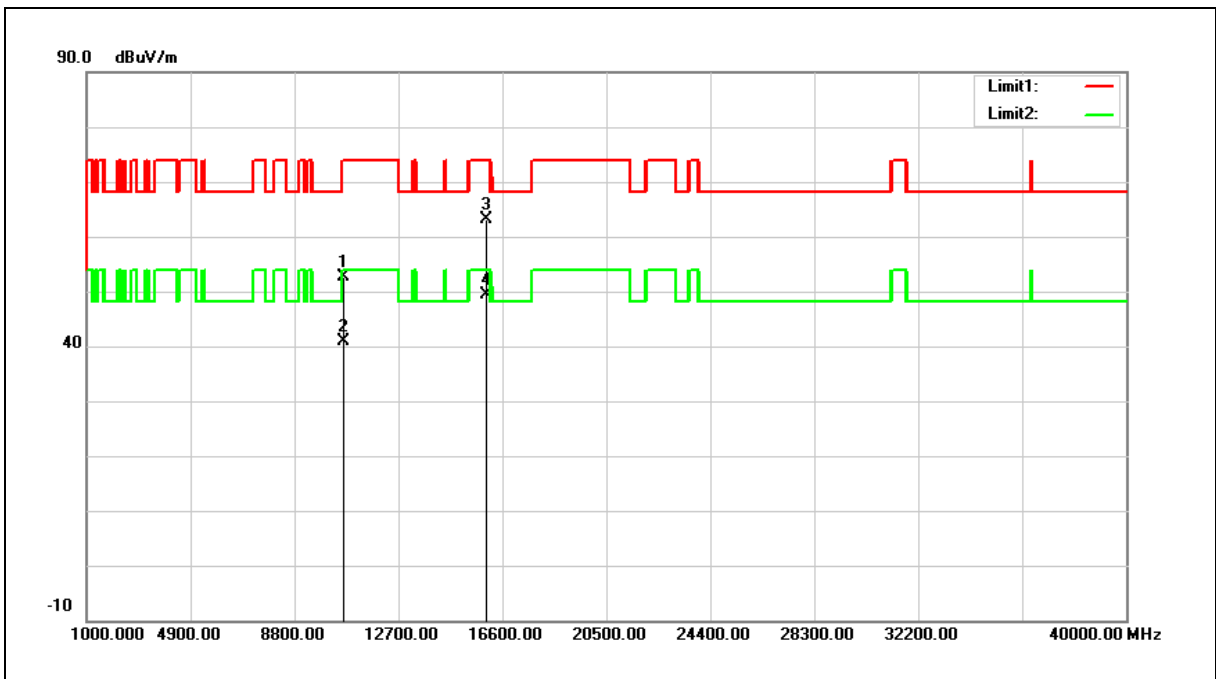
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	34.97	17.64	52.61	74.00	-21.39	peak
2	10640.000	23.35	17.64	40.99	54.00	-13.01	AVG
3	15960.000	45.30	17.95	63.25	74.00	-10.75	peak
4	15960.000	31.37	17.95	49.32	54.00	-4.68	AVG

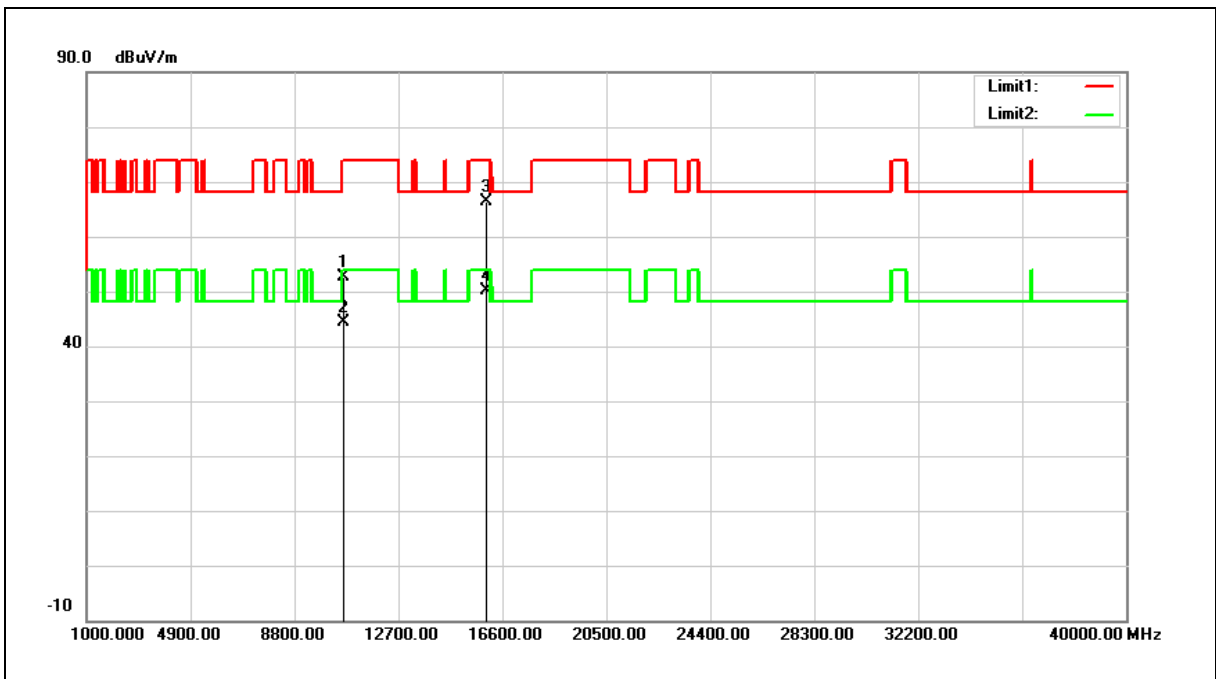
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	34.96	17.64	52.60	74.00	-21.40	peak
2	10640.000	26.79	17.64	44.43	54.00	-9.57	AVG
3	15960.000	48.46	17.95	66.41	74.00	-7.59	peak
4	15960.000	32.17	17.95	50.12	54.00	-3.88	AVG

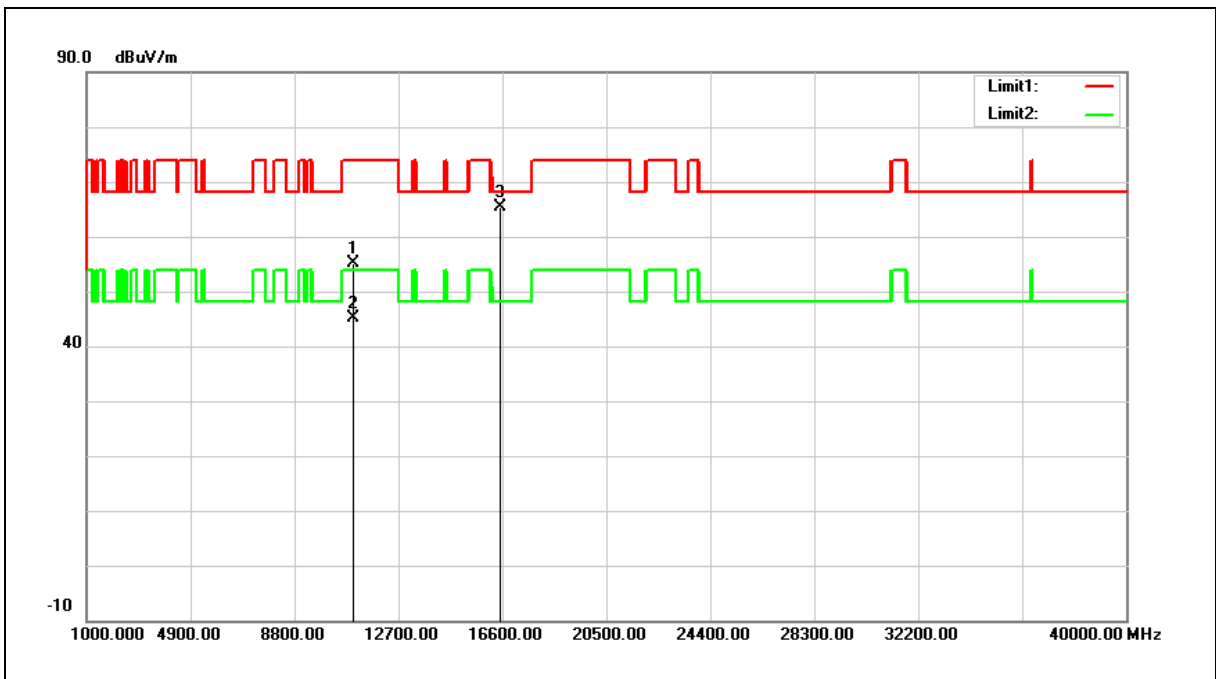
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	36.76	18.49	55.25	74.00	-18.75	peak
2	11000.000	26.75	18.49	45.24	54.00	-8.76	AVG
3	16500.000	44.60	20.78	65.38	68.20	-2.82	peak

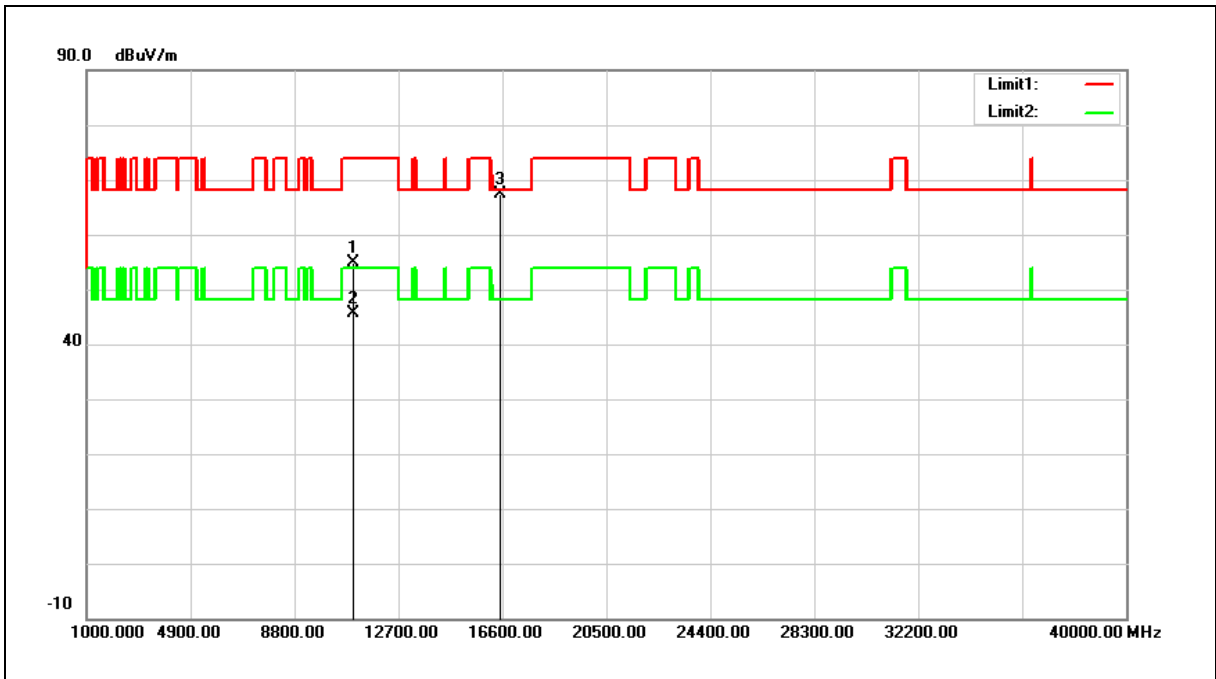
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



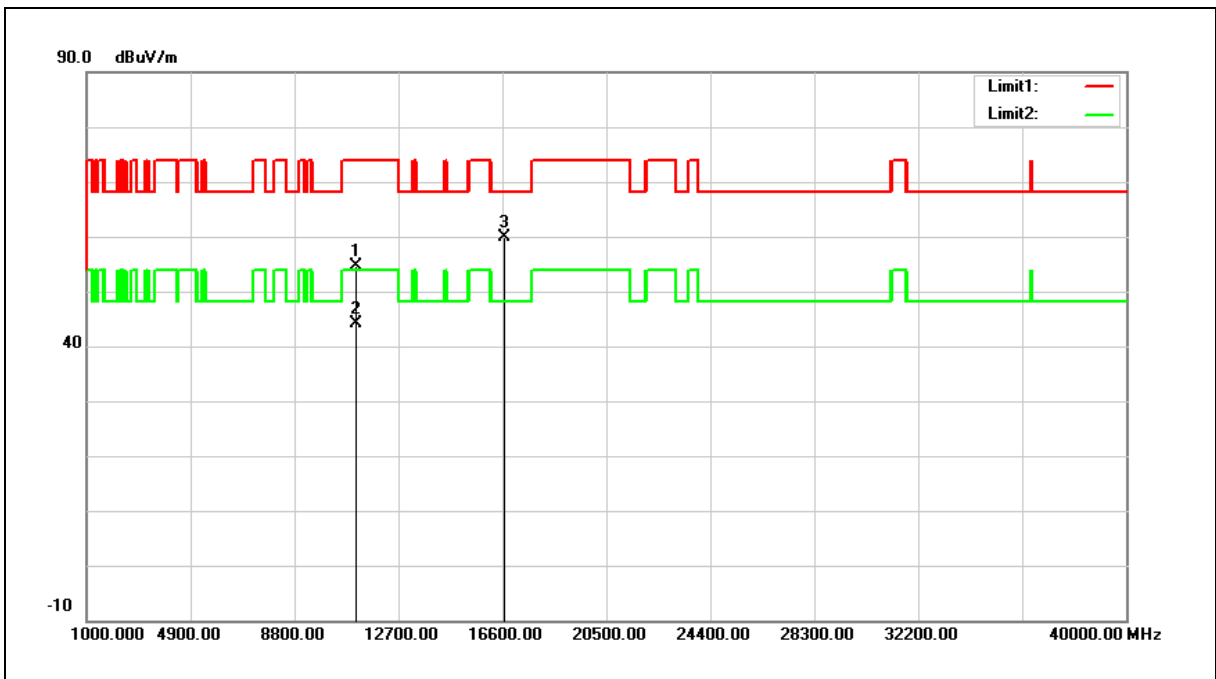
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	36.34	18.49	54.83	74.00	-19.17	peak
2	11000.000	27.12	18.49	45.61	54.00	-8.39	AVG
3	16500.000	46.56	20.79	67.35	68.20	-0.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



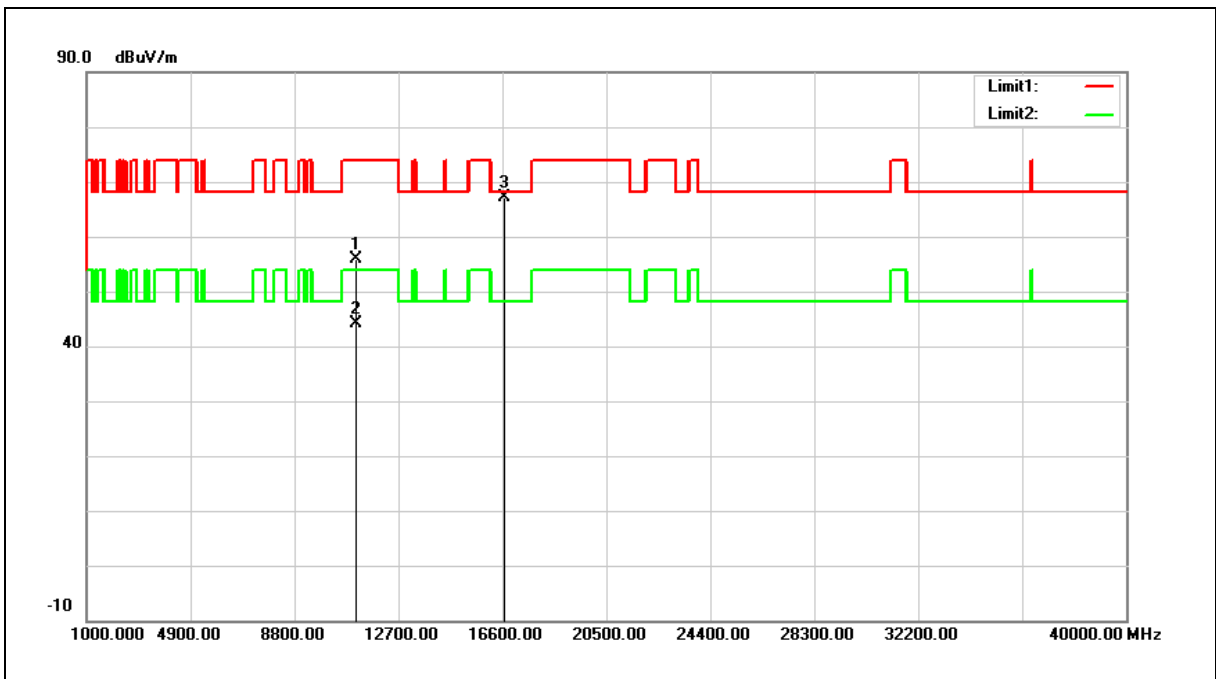
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	36.14	18.49	54.63	74.00	-19.37	peak
2	11120.000	25.70	18.49	44.19	54.00	-9.81	AVG
3	16680.000	38.12	21.66	59.78	68.20	-8.42	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	37.46	18.49	55.95	74.00	-18.05	peak
2	11120.000	25.76	18.49	44.25	54.00	-9.75	AVG
3	16680.000	45.44	21.66	67.10	68.20	-1.10	peak

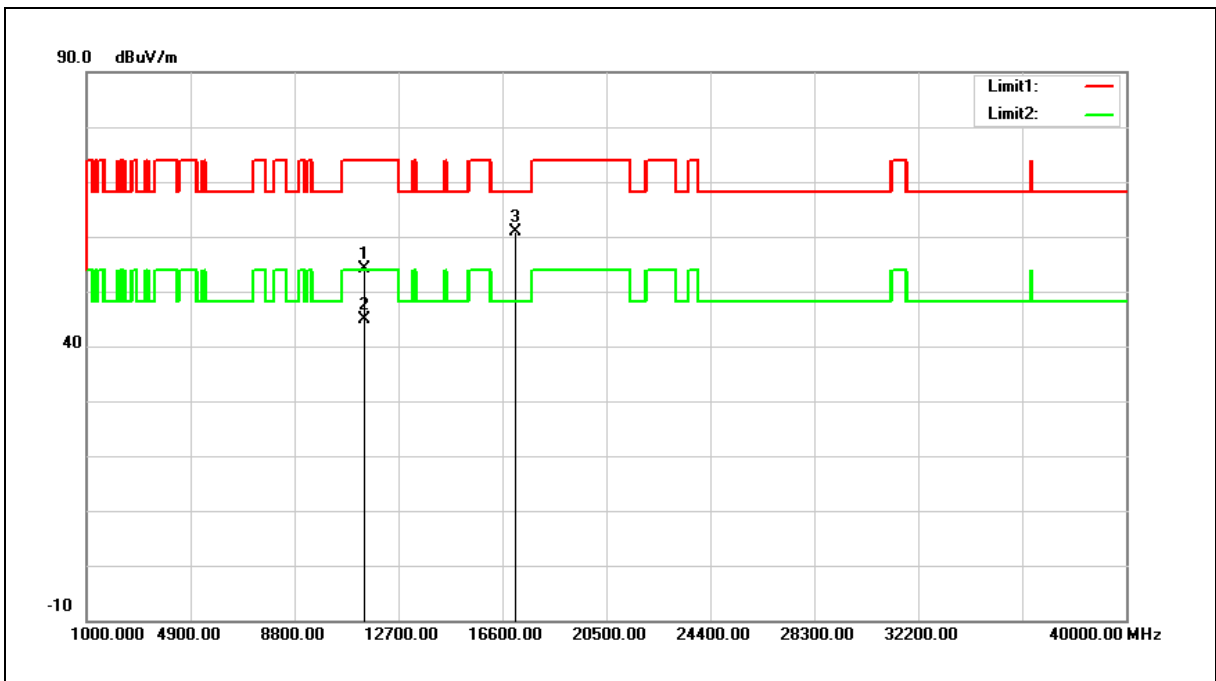
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	35.58	18.46	54.04	74.00	-19.96	peak
2	11400.000	26.41	18.46	44.87	54.00	-9.13	AVG
3	17100.000	37.35	23.62	60.97	68.20	-7.23	peak

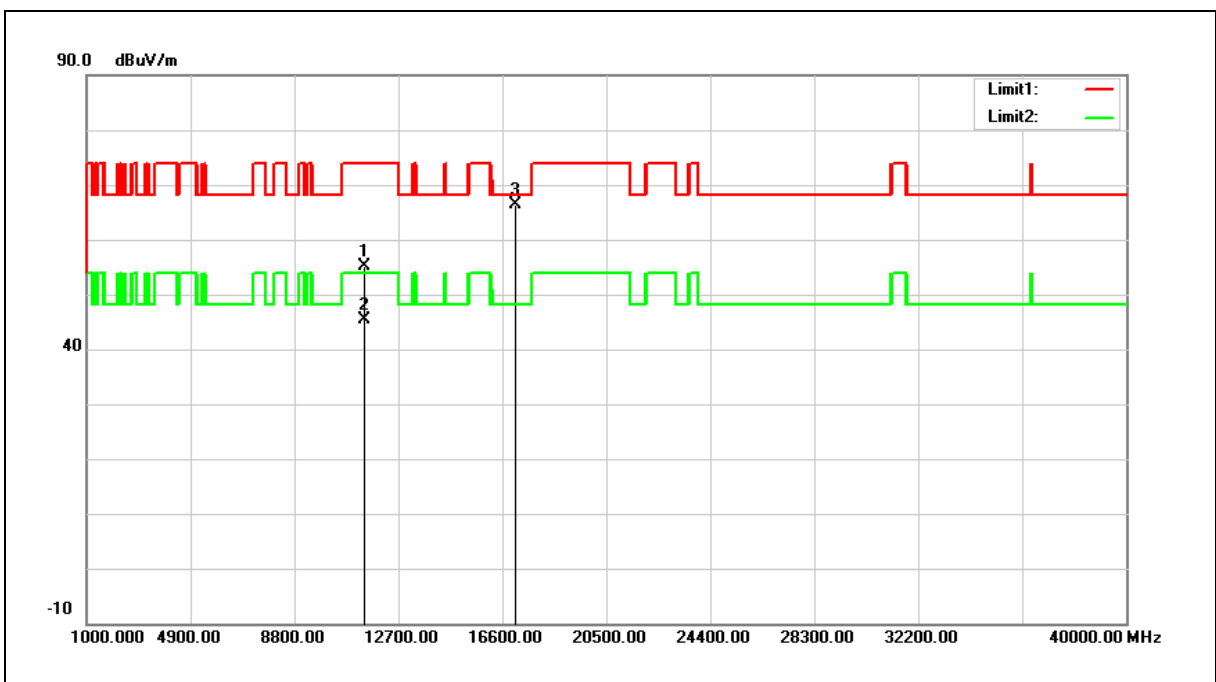
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	36.76	18.46	55.22	74.00	-18.78	peak
2	11400.000	27.01	18.46	45.47	54.00	-8.53	AVG
3	17100.000	42.76	23.62	66.38	68.20	-1.82	peak

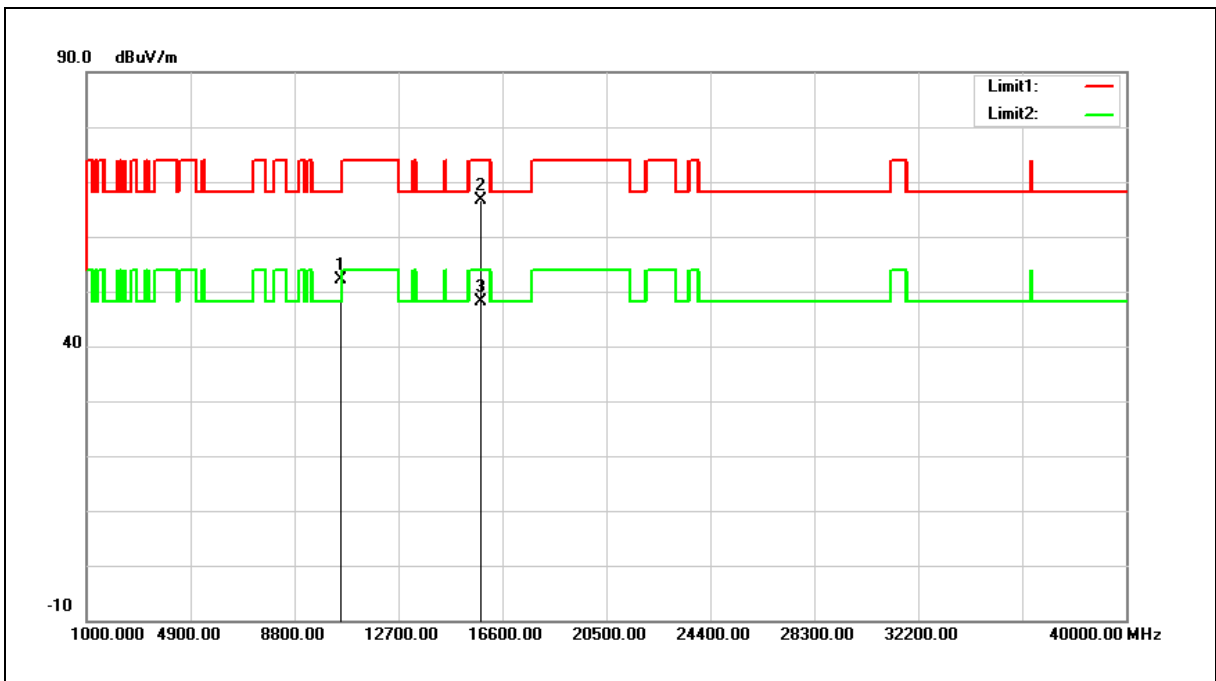
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	34.72	17.35	52.07	68.20	-16.13	peak
2	15780.000	48.12	18.41	66.53	74.00	-7.47	peak
3	15780.000	29.82	18.41	48.23	54.00	-5.77	AVG

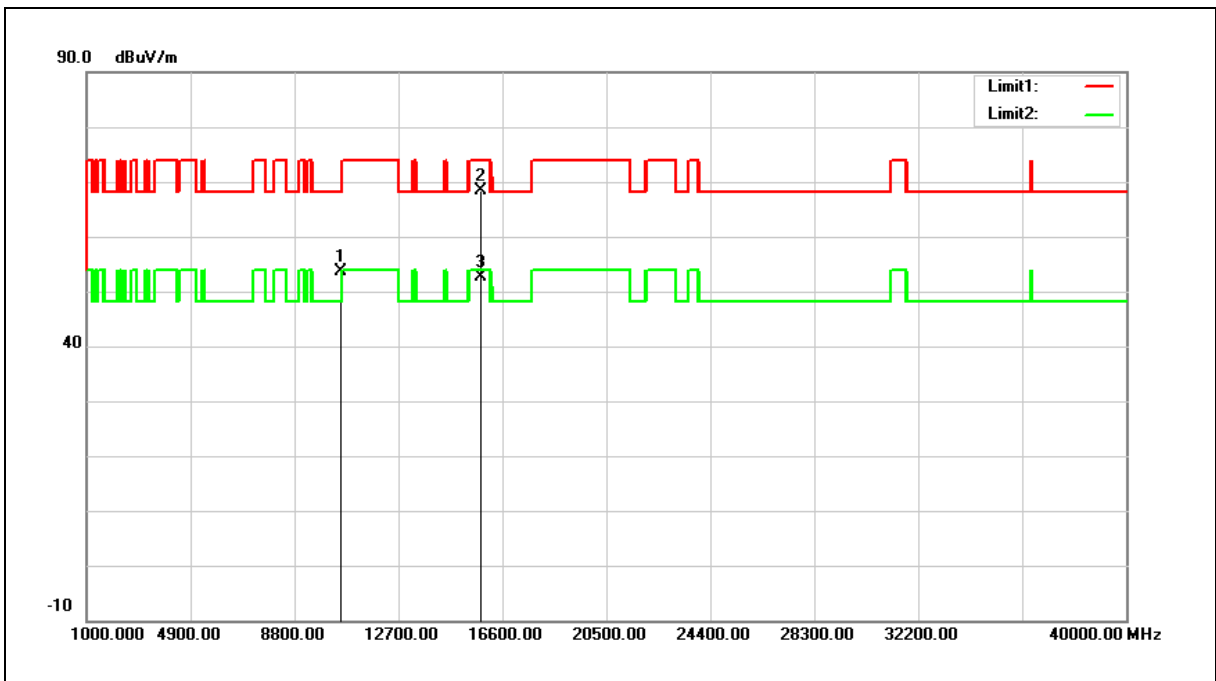
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	36.26	17.35	53.61	68.20	-14.59	peak
2	15780.000	50.02	18.41	68.43	74.00	-5.57	peak
3	15780.000	34.34	18.41	52.75	54.00	-1.25	AVG

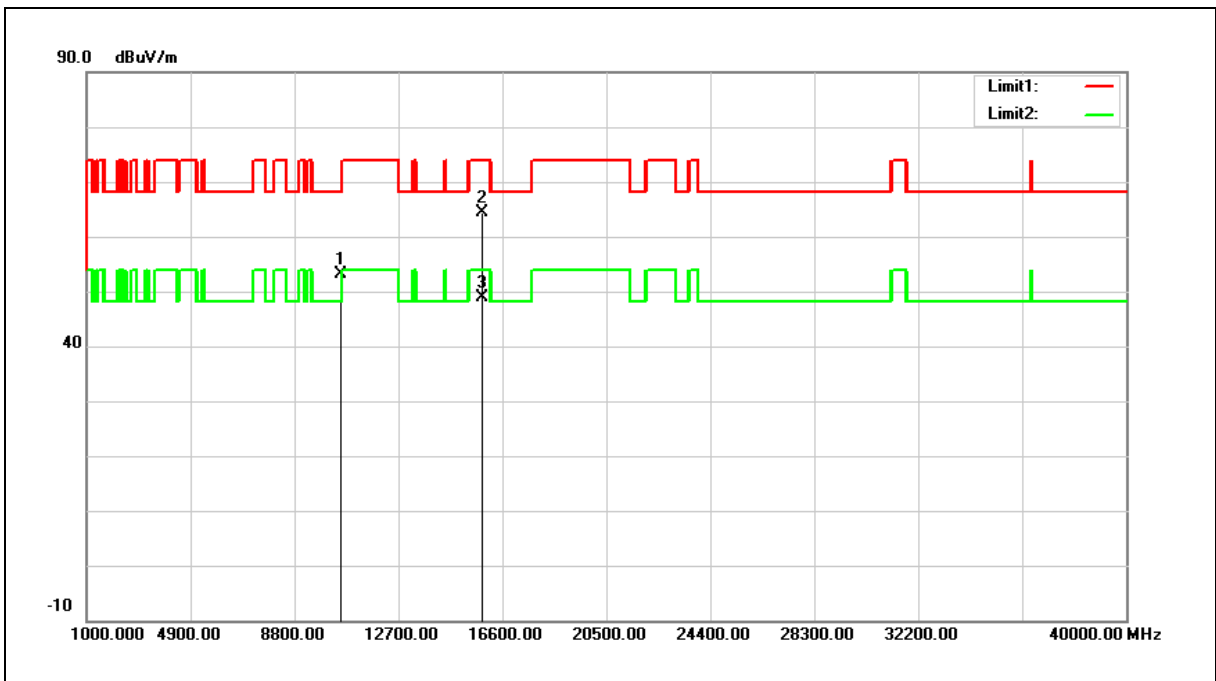
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	35.63	17.44	53.07	68.20	-15.13	peak
2	15840.000	46.24	18.26	64.50	74.00	-9.50	peak
3	15840.000	30.57	18.26	48.83	54.00	-5.17	AVG

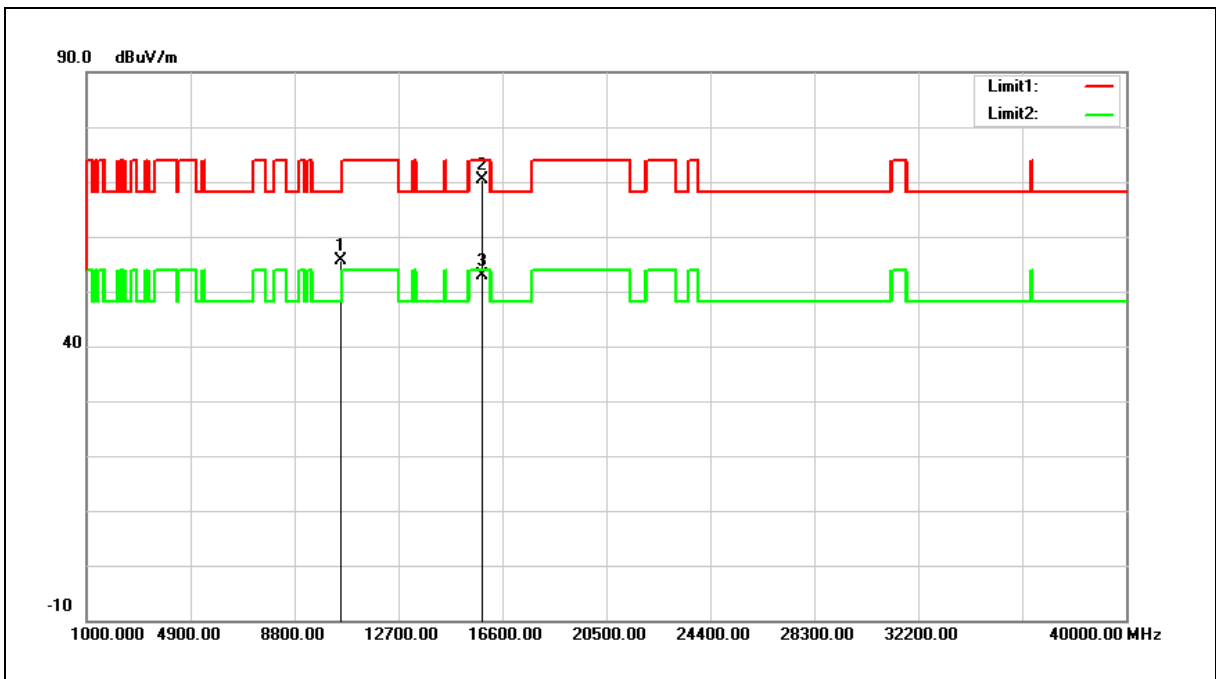
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	38.28	17.44	55.72	68.20	-12.48	peak
2	15840.000	52.22	18.26	70.48	74.00	-3.52	peak
3	15840.000	34.73	18.26	52.99	54.00	-1.01	AVG

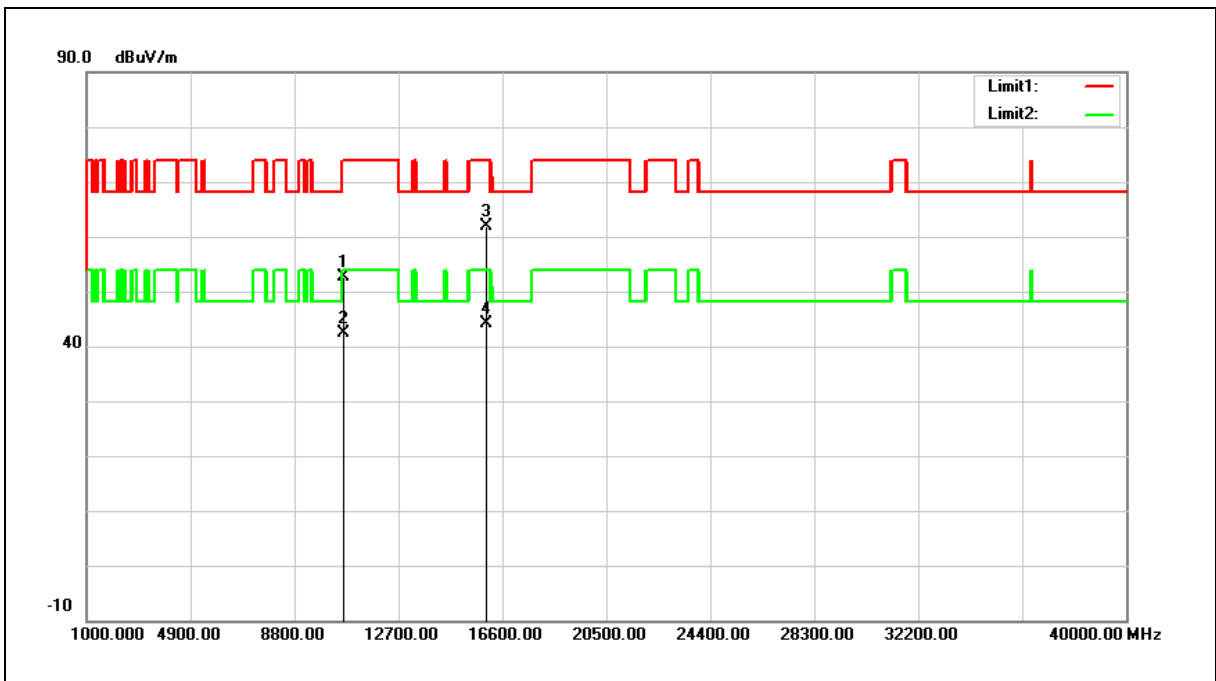
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.11	17.64	52.75	74.00	-21.25	peak
2	10640.000	24.67	17.64	42.31	54.00	-11.69	AVG
3	15960.000	43.90	17.95	61.85	74.00	-12.15	peak
4	15960.000	26.28	17.95	44.23	54.00	-9.77	AVG

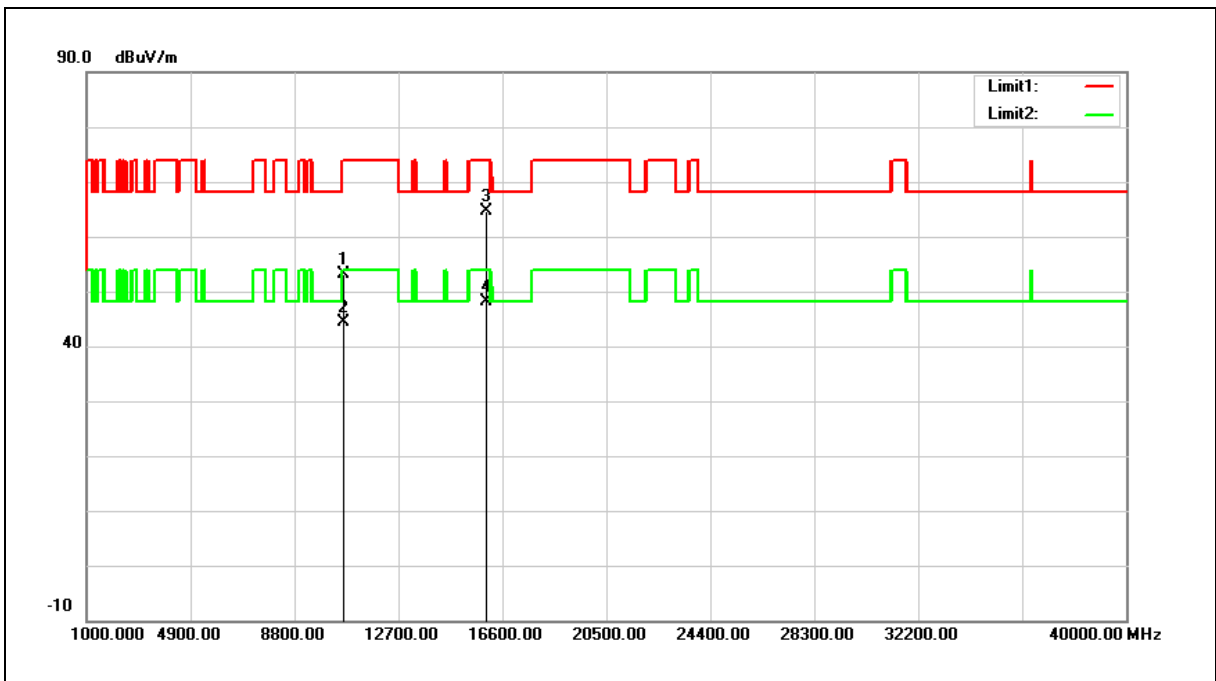
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.54	17.64	53.18	74.00	-20.82	peak
2	10640.000	26.68	17.64	44.32	54.00	-9.68	AVG
3	15960.000	46.66	17.95	64.61	74.00	-9.39	peak
4	15960.000	30.07	17.95	48.02	54.00	-5.98	AVG

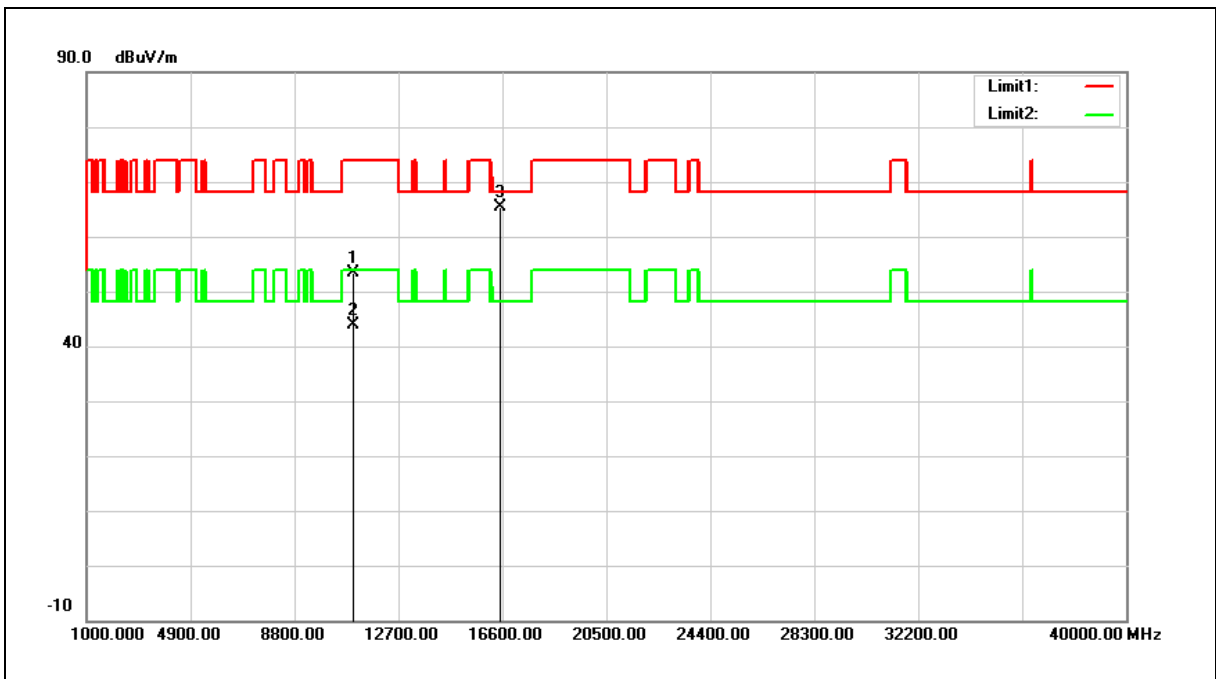
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	34.85	18.49	53.34	74.00	-20.66	peak
2	11000.000	25.48	18.49	43.97	54.00	-10.03	AVG
3	16500.000	44.54	20.78	65.32	68.20	-2.88	peak

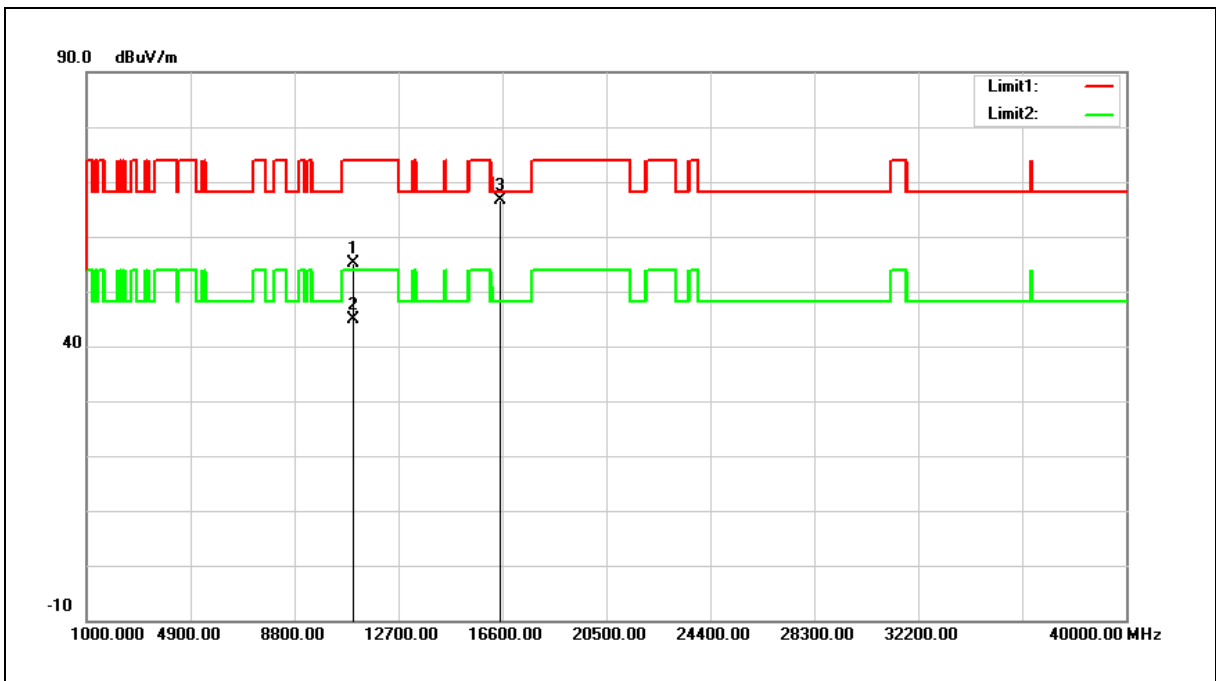
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



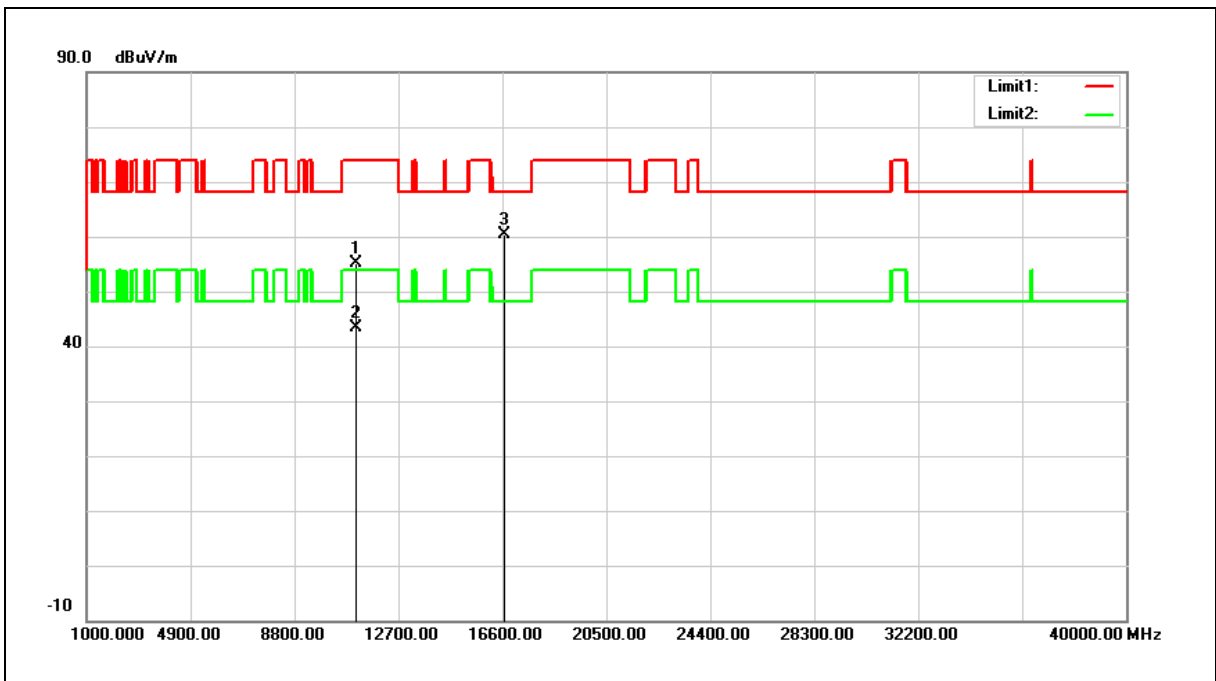
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	36.65	18.49	55.14	74.00	-18.86	peak
2	11000.000	26.36	18.49	44.85	54.00	-9.15	AVG
3	16500.000	45.97	20.78	66.75	68.20	-1.45	peak

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	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	36.68	18.49	55.17	74.00	-18.83	peak
2	11120.000	24.79	18.49	43.28	54.00	-10.72	AVG
3	16680.000	38.74	21.66	60.40	68.20	-7.80	peak

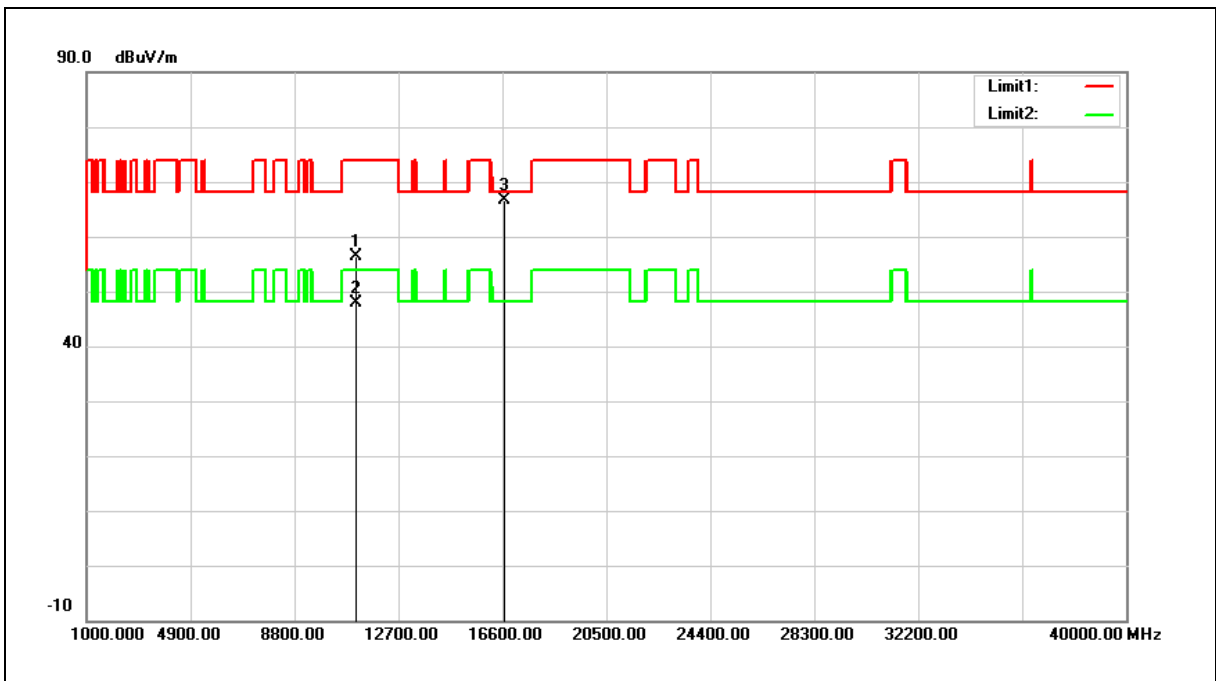
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	37.78	18.49	56.27	74.00	-17.73	peak
2	11120.000	29.48	18.49	47.97	54.00	-6.03	AVG
3	16680.000	44.86	21.66	66.52	68.20	-1.68	peak

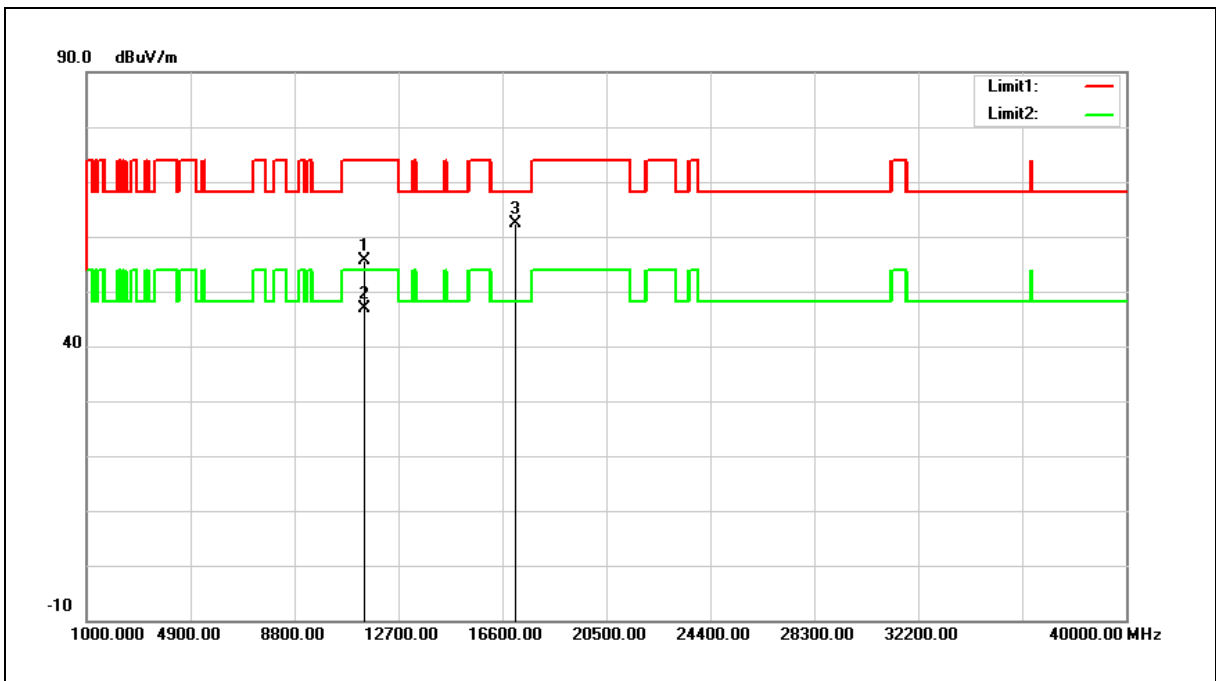
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	37.11	18.46	55.57	74.00	-18.43	peak
2	11400.000	28.41	18.46	46.87	54.00	-7.13	AVG
3	17100.000	38.68	23.62	62.30	68.20	-5.90	peak

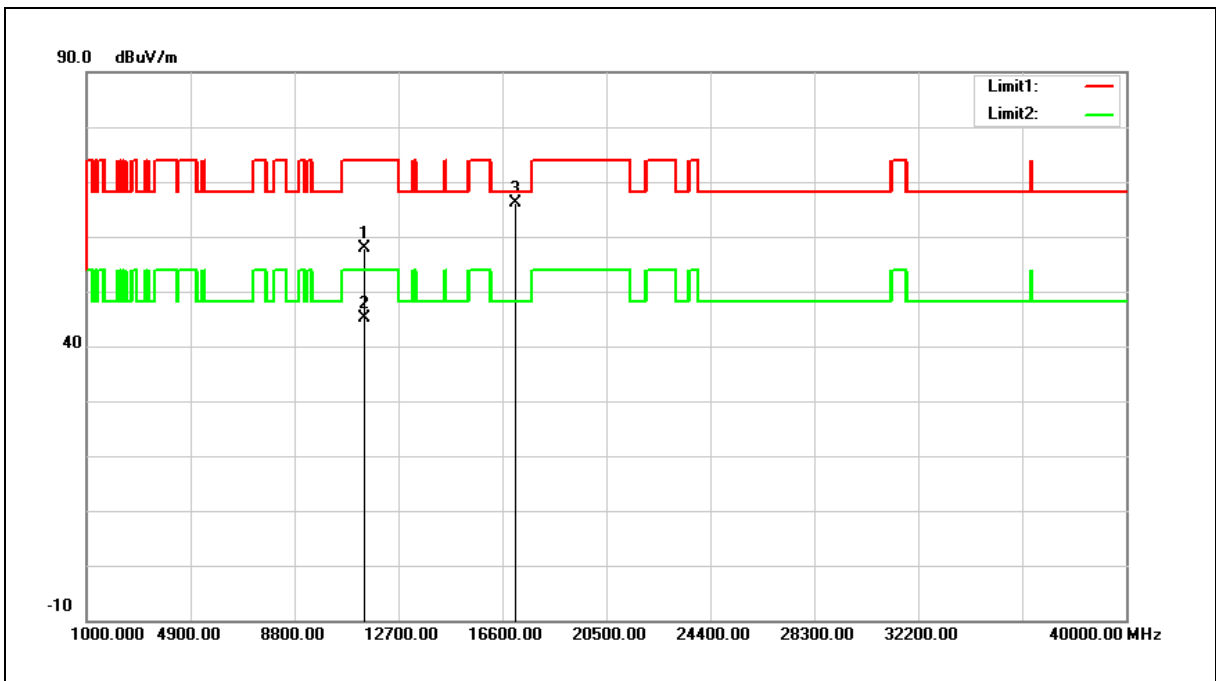
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	39.32	18.46	57.78	74.00	-16.22	peak
2	11400.000	26.75	18.46	45.21	54.00	-8.79	AVG
3	17100.000	42.52	23.62	66.14	68.20	-2.06	peak

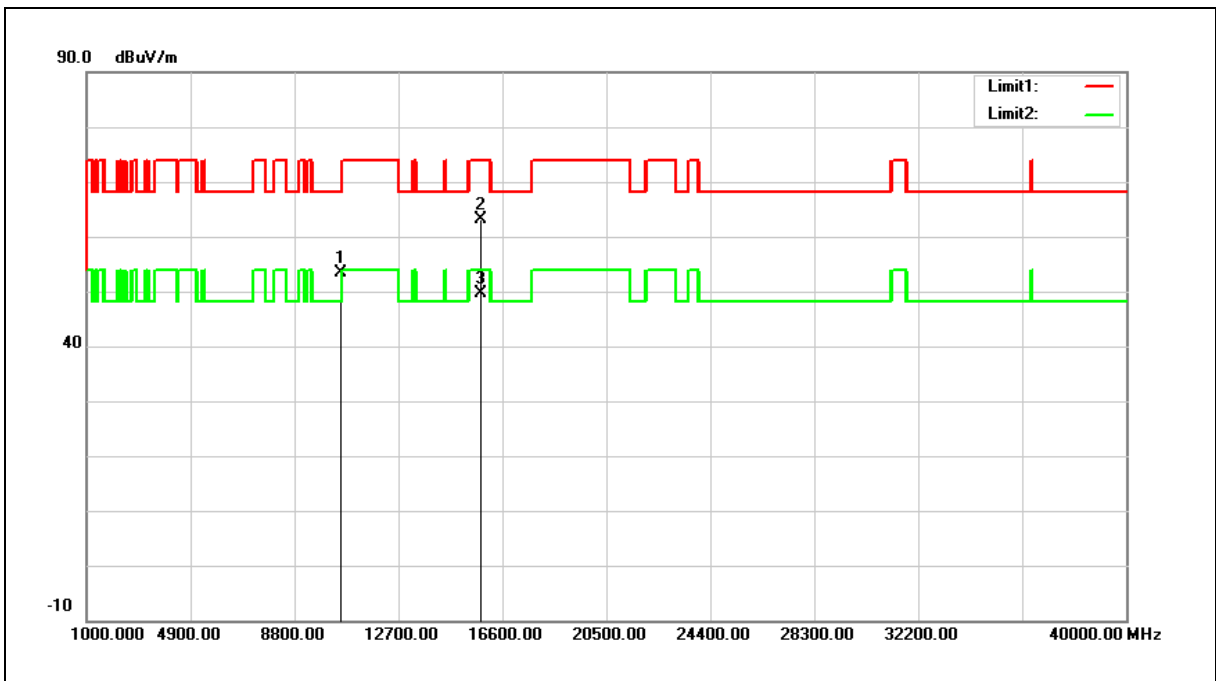
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	35.87	17.41	53.28	68.20	-14.92	peak
2	15810.000	44.84	18.34	63.18	74.00	-10.82	peak
3	15810.000	31.22	18.34	49.56	54.00	-4.44	AVG

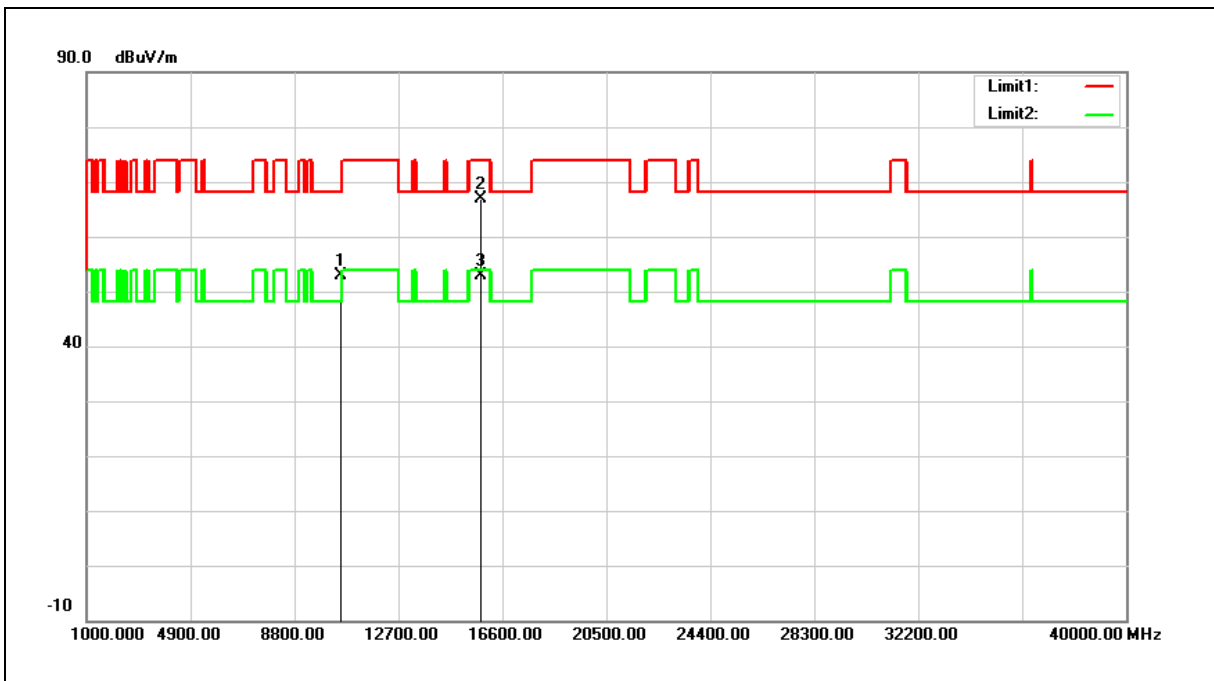
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	35.43	17.41	52.84	68.20	-15.36	peak
2	15810.000	48.60	18.34	66.94	74.00	-7.06	peak
3	15810.000	34.45	18.34	52.79	54.00	-1.21	AVG

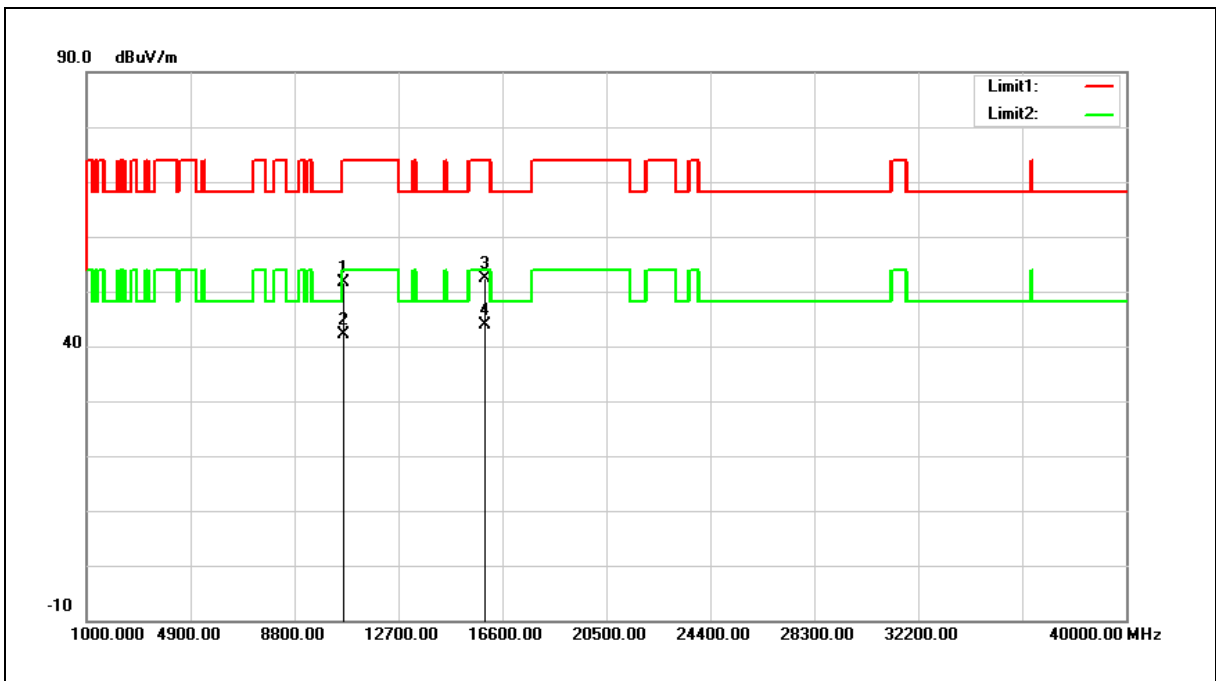
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	34.14	17.59	51.73	74.00	-22.27	peak
2	10620.000	24.42	17.59	42.01	54.00	-11.99	AVG
3	15930.000	34.23	18.03	52.26	74.00	-21.74	peak
4	15930.000	25.83	18.03	43.86	54.00	-10.14	AVG

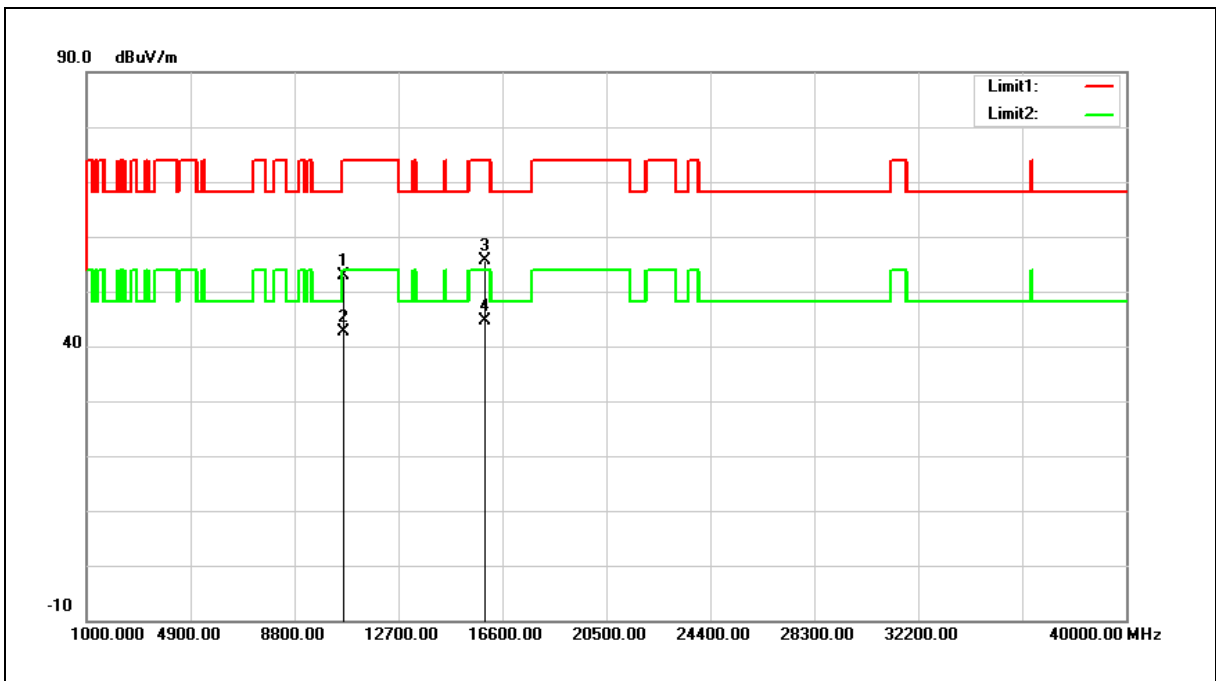
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	35.33	17.59	52.92	74.00	-21.08	peak
2	10620.000	25.14	17.59	42.73	54.00	-11.27	AVG
3	15930.000	37.55	18.03	55.58	74.00	-18.42	peak
4	15930.000	26.49	18.03	44.52	54.00	-9.48	AVG

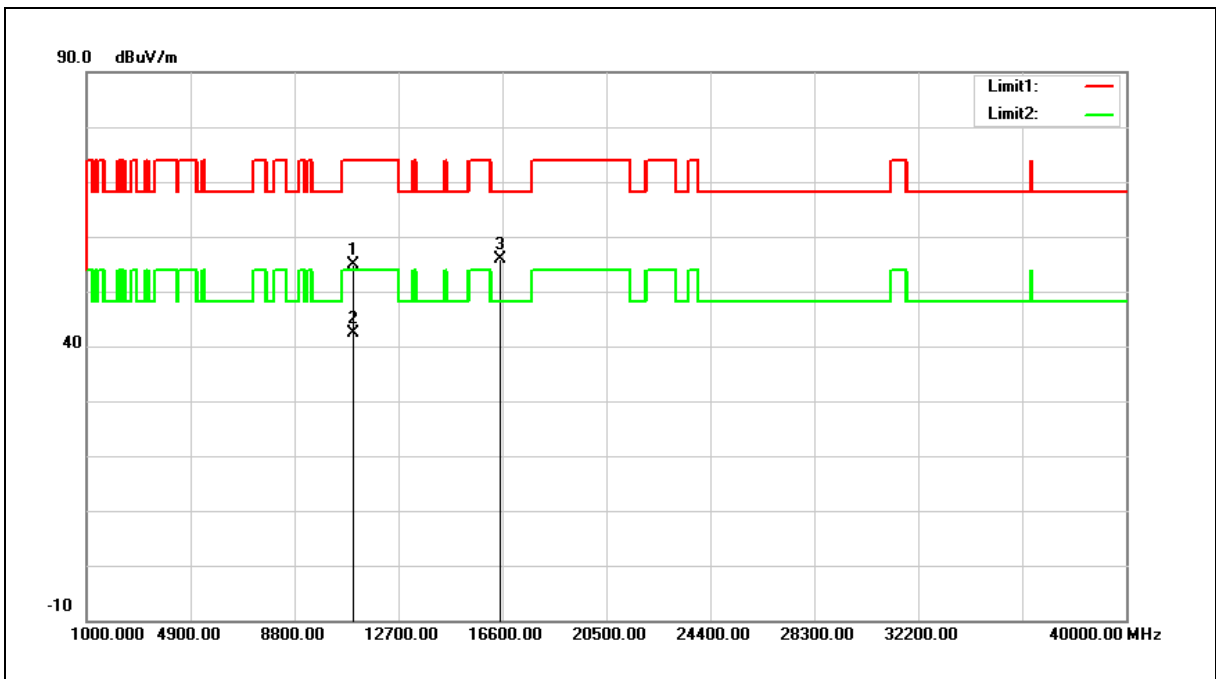
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	36.31	18.50	54.81	74.00	-19.19	peak
2	11020.000	23.85	18.50	42.35	54.00	-11.65	AVG
3	16530.000	34.94	20.92	55.86	68.20	-12.34	peak

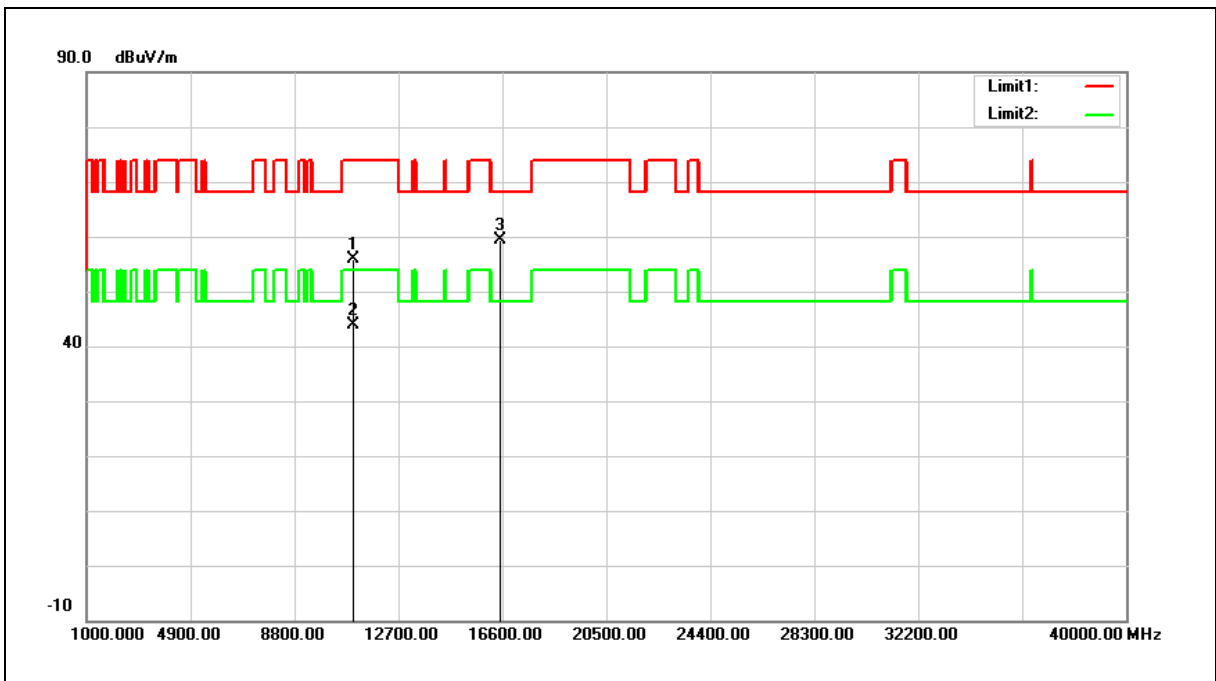
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



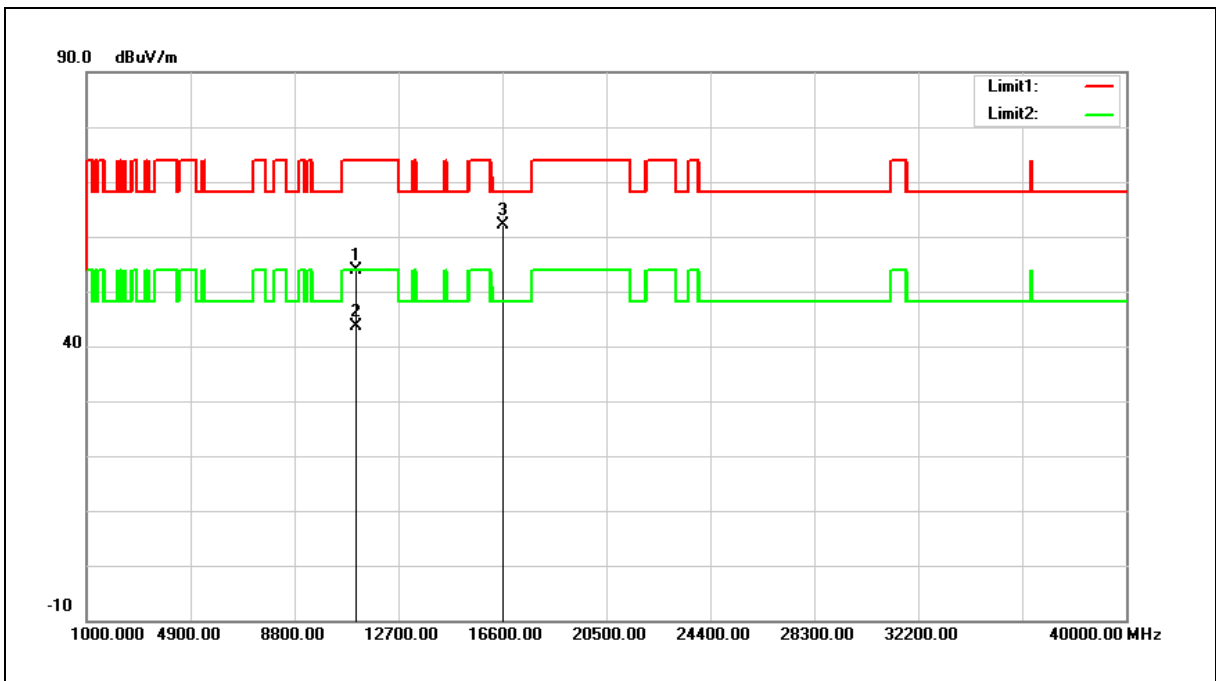
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	37.49	18.50	55.99	74.00	-18.01	peak
2	11020.000	25.46	18.50	43.96	54.00	-10.04	AVG
3	16530.000	38.42	20.92	59.34	68.20	-8.86	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



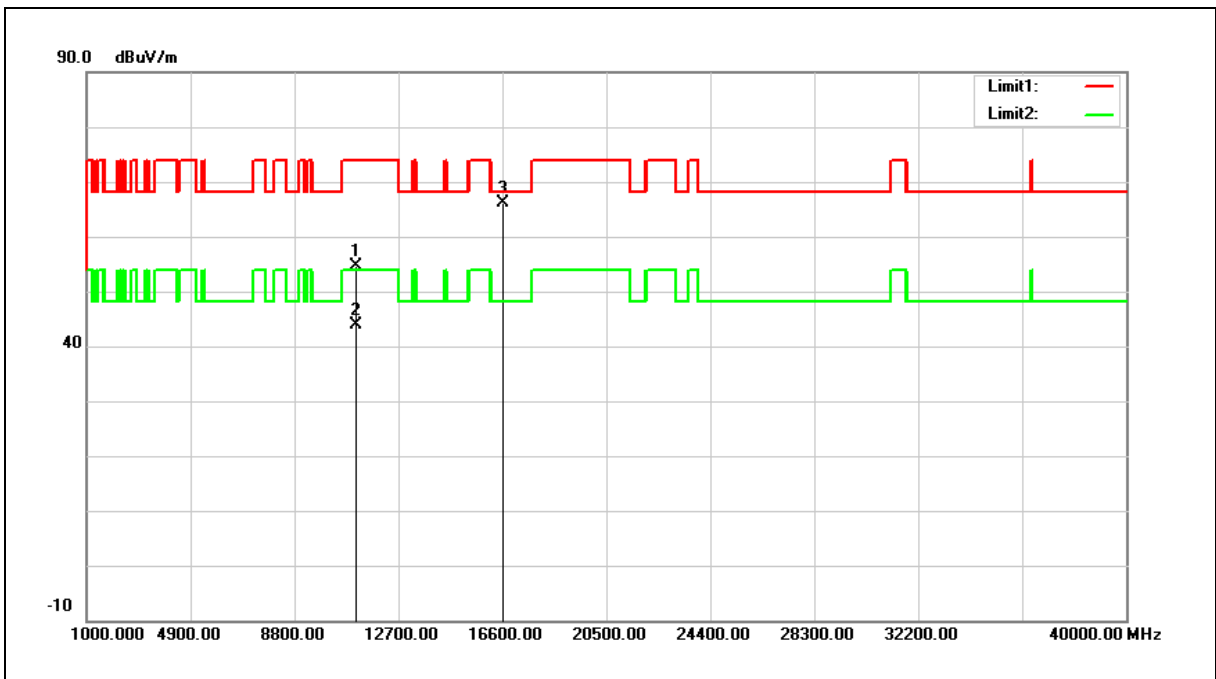
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	35.50	18.49	53.99	74.00	-20.01	peak
2	11100.000	25.24	18.49	43.73	54.00	-10.27	AVG
3	16650.000	40.55	21.51	62.06	68.20	-6.14	peak

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	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



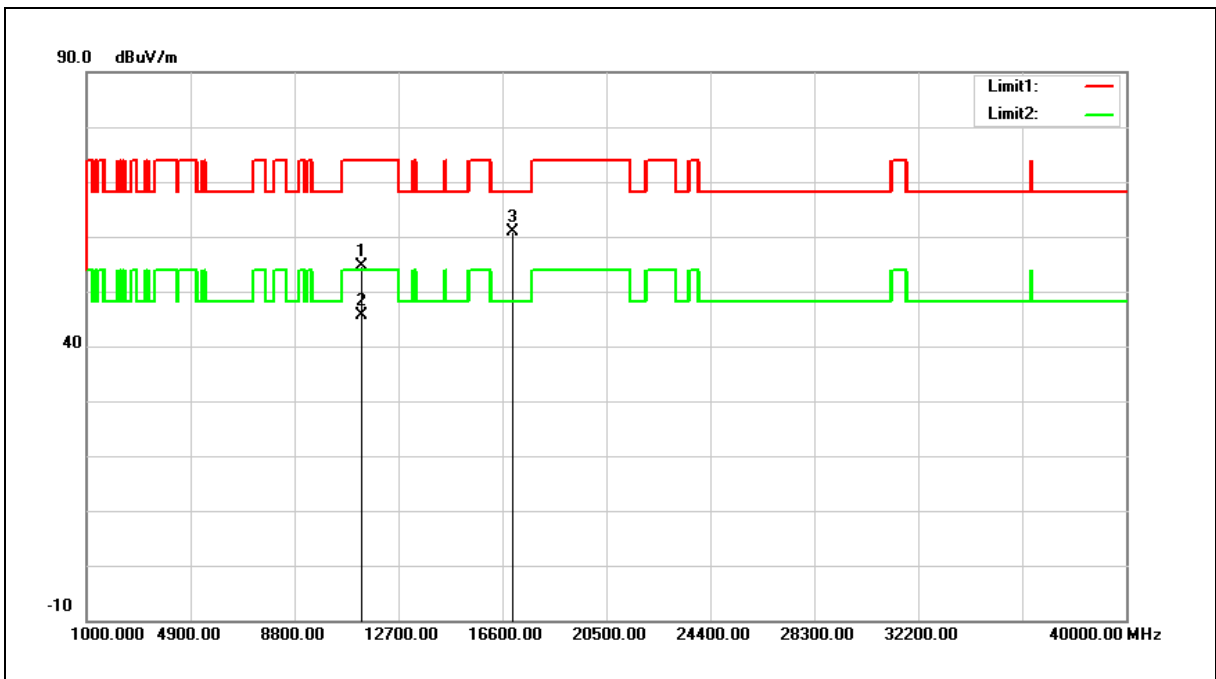
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	36.19	18.49	54.68	74.00	-19.32	peak
2	11100.000	25.34	18.49	43.83	54.00	-10.17	AVG
3	16650.000	44.52	21.51	66.03	68.20	-2.17	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	36.08	18.47	54.55	74.00	-19.45	peak
2	11340.000	27.14	18.47	45.61	54.00	-8.39	AVG
3	17010.000	37.51	23.26	60.77	68.20	-7.43	peak

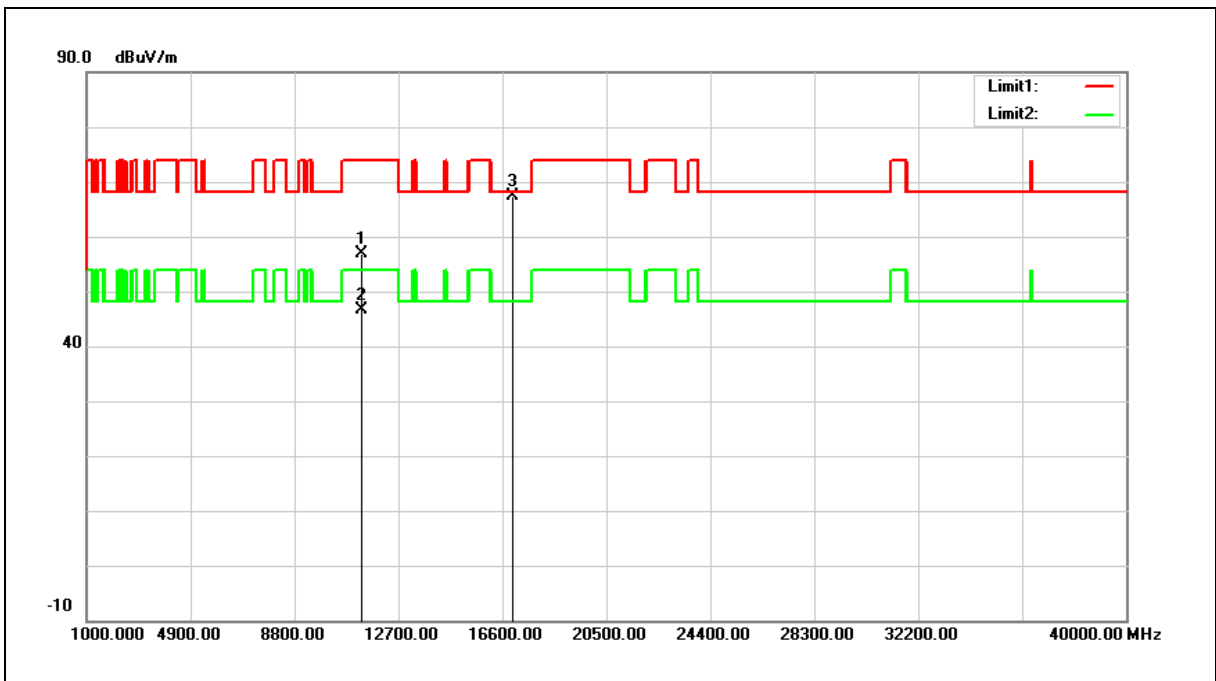
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



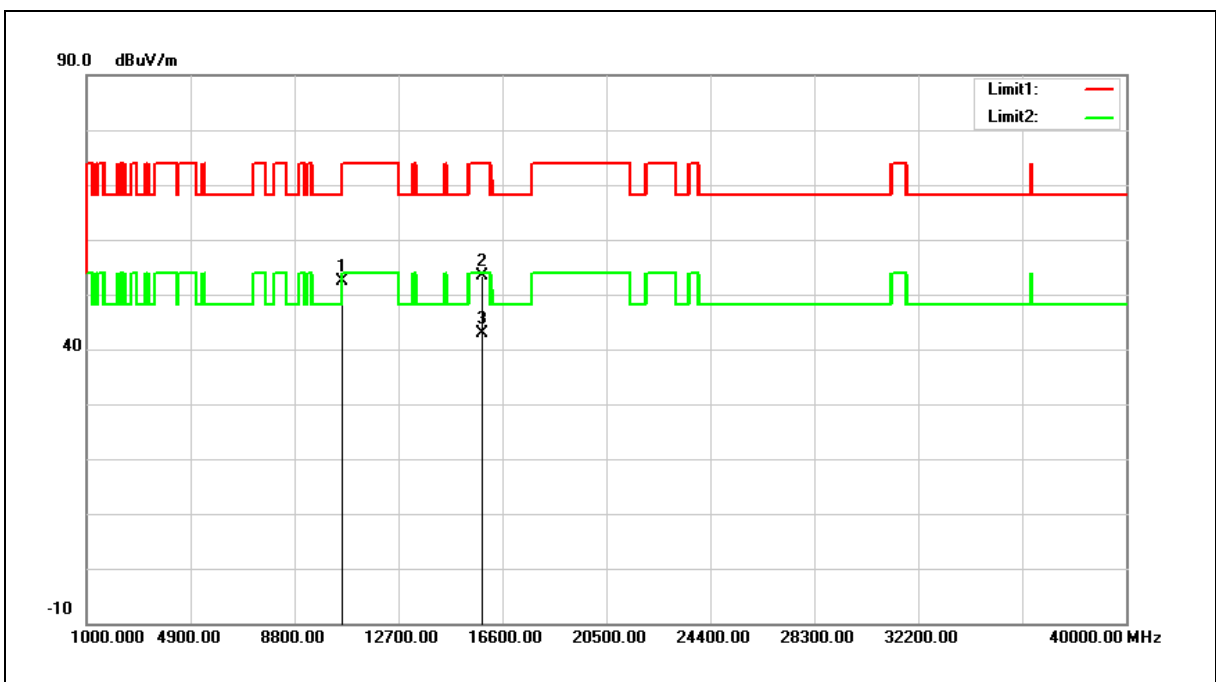
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	38.51	18.47	56.98	74.00	-17.02	peak
2	11340.000	28.07	18.47	46.54	54.00	-7.46	AVG
3	17010.000	44.12	23.26	67.38	68.20	-0.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	34.90	17.50	52.40	68.20	-15.80	peak
2	15870.000	35.20	18.19	53.39	74.00	-20.61	peak
3	15870.000	24.74	18.19	42.93	54.00	-11.07	AVG

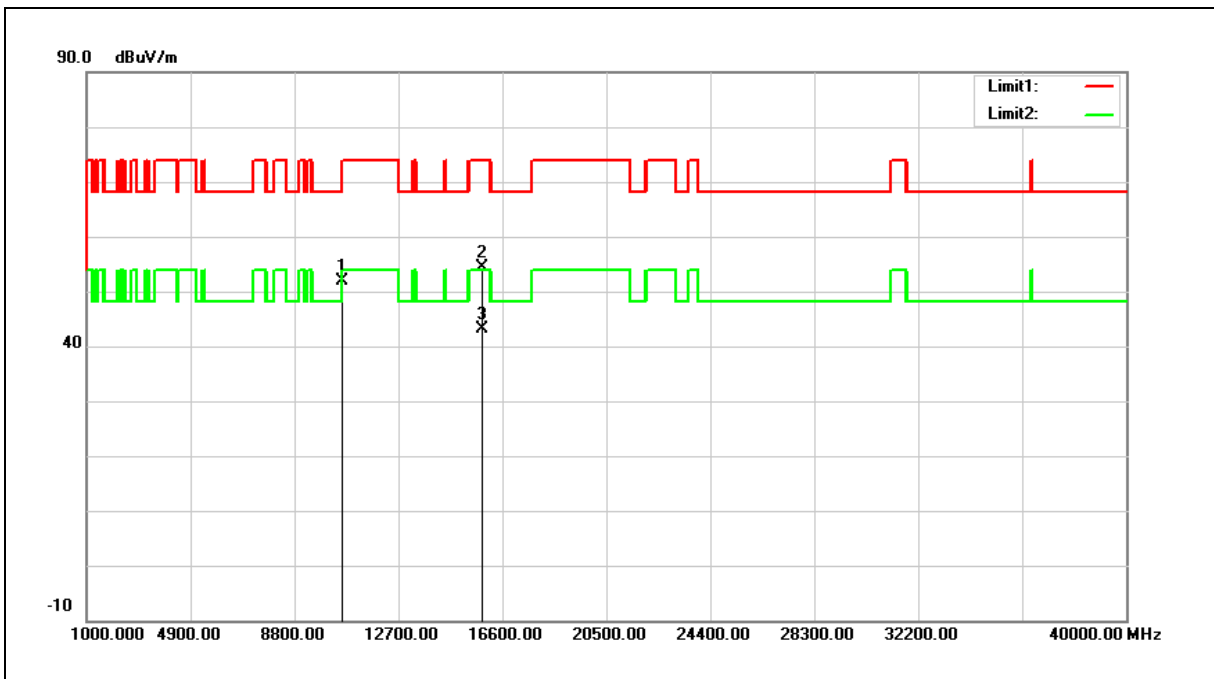
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	34.37	17.50	51.87	68.20	-16.33	peak
2	15870.000	36.08	18.19	54.27	74.00	-19.73	peak
3	15870.000	24.82	18.19	43.01	54.00	-10.99	AVG

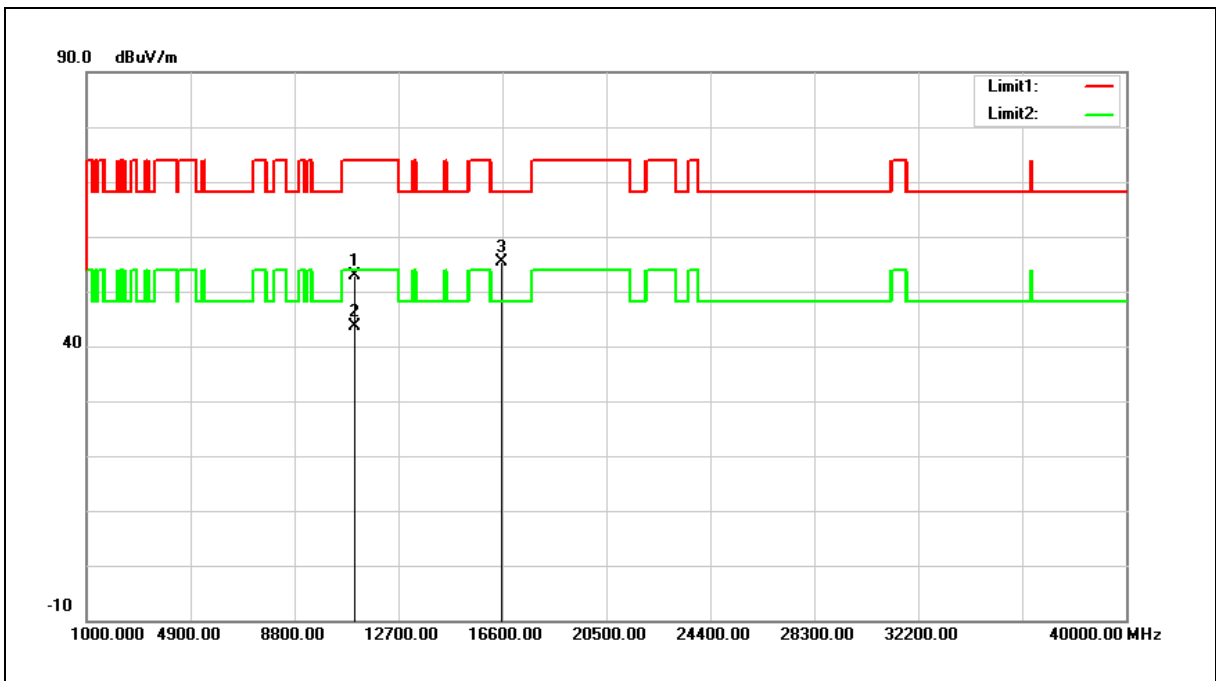
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	34.45	18.49	52.94	74.00	-21.06	peak
2	11060.000	25.05	18.49	43.54	54.00	-10.46	AVG
3	16590.000	34.11	21.21	55.32	68.20	-12.88	peak

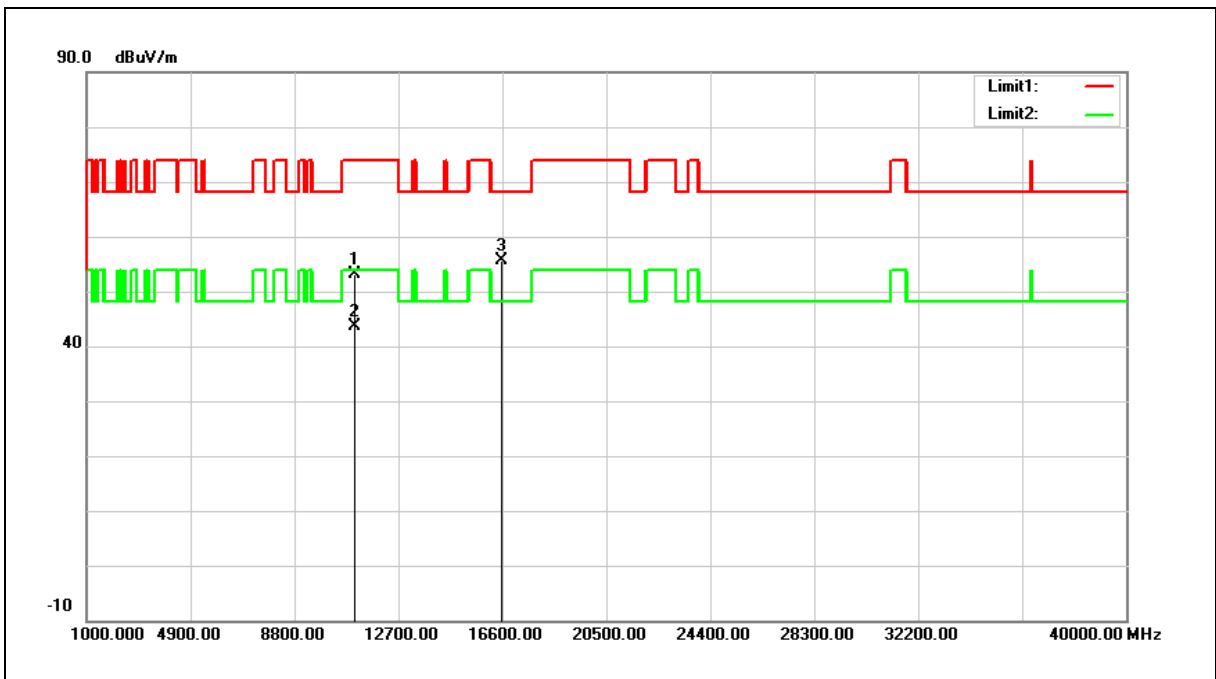
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	34.69	18.49	53.18	74.00	-20.82	peak
2	11060.000	25.26	18.49	43.75	54.00	-10.25	AVG
3	16590.000	34.52	21.21	55.73	68.20	-12.47	peak

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

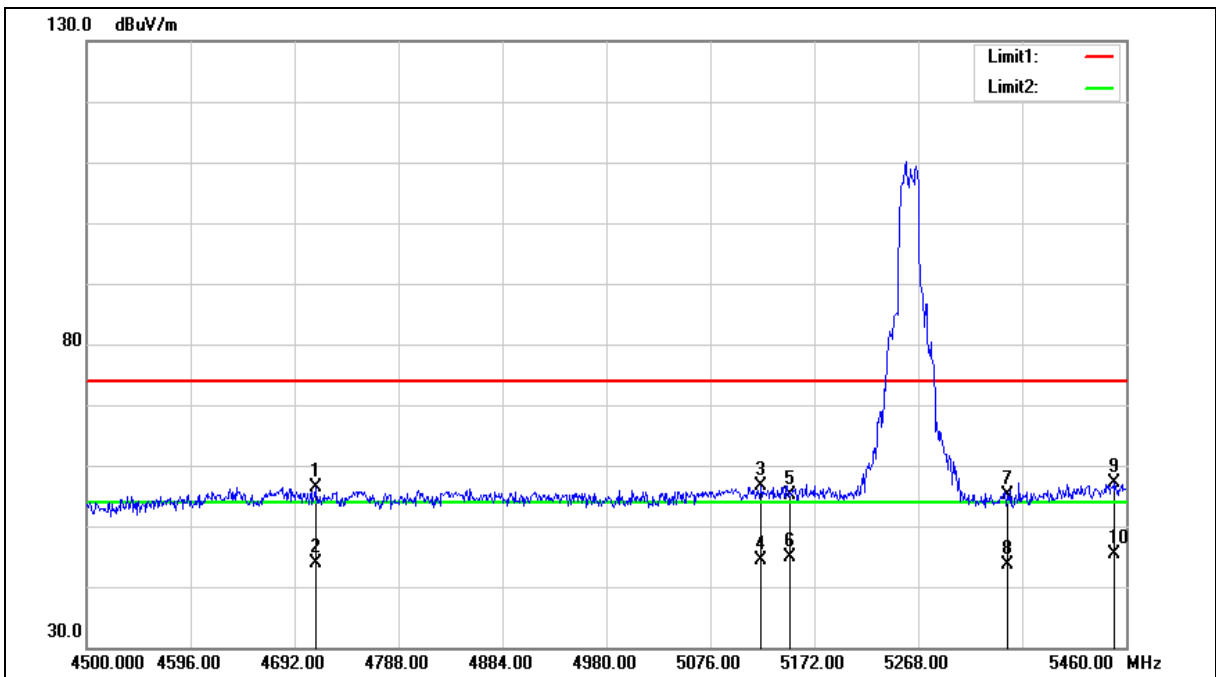
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Band Edge

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4711.200	51.26	5.14	56.40	74.00	-17.60	peak
2	4711.200	38.78	5.14	43.92	54.00	-10.08	AVG
3	5123.040	50.69	6.01	56.70	74.00	-17.30	peak
4	5123.040	38.40	6.01	44.41	54.00	-9.59	AVG
5	5150.000	49.05	6.07	55.12	74.00	-18.88	peak
6	5150.000	38.92	6.07	44.99	54.00	-9.01	AVG
7	5350.000	48.68	6.52	55.20	74.00	-18.80	peak
8	5350.000	37.05	6.52	43.57	54.00	-10.43	AVG
9	5449.440	50.37	6.75	57.12	74.00	-16.88	peak
10	5449.440	38.63	6.75	45.38	54.00	-8.62	AVG

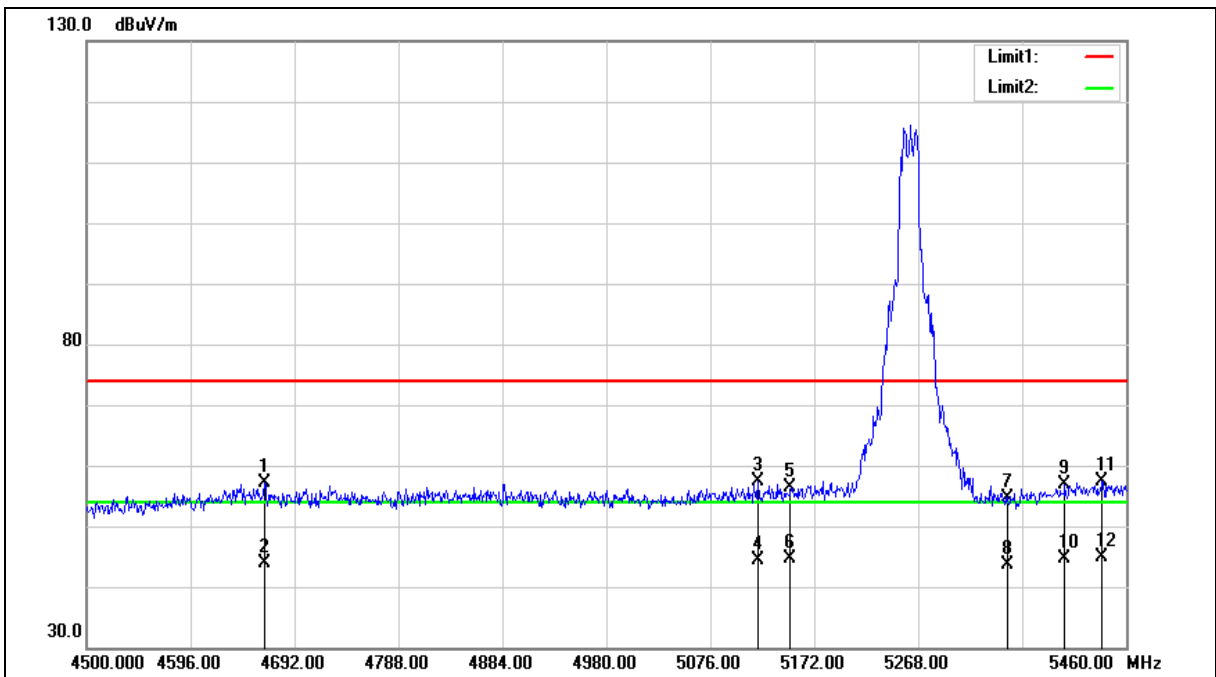
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4664.160	51.98	5.04	57.02	74.00	-16.98	peak
2	4664.160	38.88	5.04	43.92	54.00	-10.08	AVG
3	5120.160	51.42	6.01	57.43	74.00	-16.57	peak
4	5120.160	38.37	6.01	44.38	54.00	-9.62	AVG
5	5150.000	50.23	6.07	56.30	74.00	-17.70	peak
6	5150.000	38.67	6.07	44.74	54.00	-9.26	AVG
7	5350.000	48.05	6.52	54.57	74.00	-19.43	peak
8	5350.000	37.00	6.52	43.52	54.00	-10.48	AVG
9	5403.360	50.35	6.64	56.99	74.00	-17.01	peak
10	5403.360	37.91	6.64	44.55	54.00	-9.45	AVG
11	5437.920	50.66	6.73	57.39	74.00	-16.61	peak
12	5437.920	38.20	6.73	44.93	54.00	-9.07	AVG

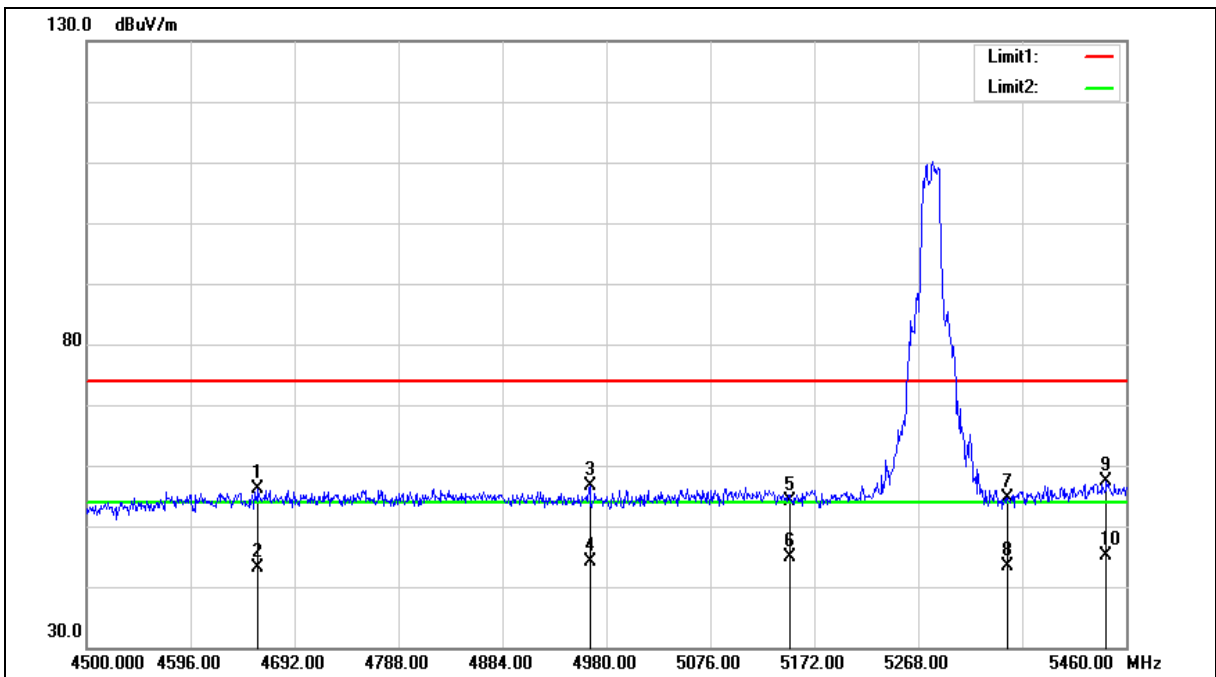
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4658.400	51.09	5.03	56.12	74.00	-17.88	peak
2	4658.400	38.19	5.03	43.22	54.00	-10.78	AVG
3	4964.640	50.87	5.65	56.52	74.00	-17.48	peak
4	4964.640	38.40	5.65	44.05	54.00	-9.95	AVG
5	5150.000	48.07	6.07	54.14	74.00	-19.86	peak
6	5150.000	38.87	6.07	44.94	54.00	-9.06	AVG
7	5350.000	48.04	6.52	54.56	74.00	-19.44	peak
8	5350.000	36.96	6.52	43.48	54.00	-10.52	AVG
9	5441.760	50.66	6.74	57.40	74.00	-16.60	peak
10	5441.760	38.34	6.74	45.08	54.00	-8.92	AVG

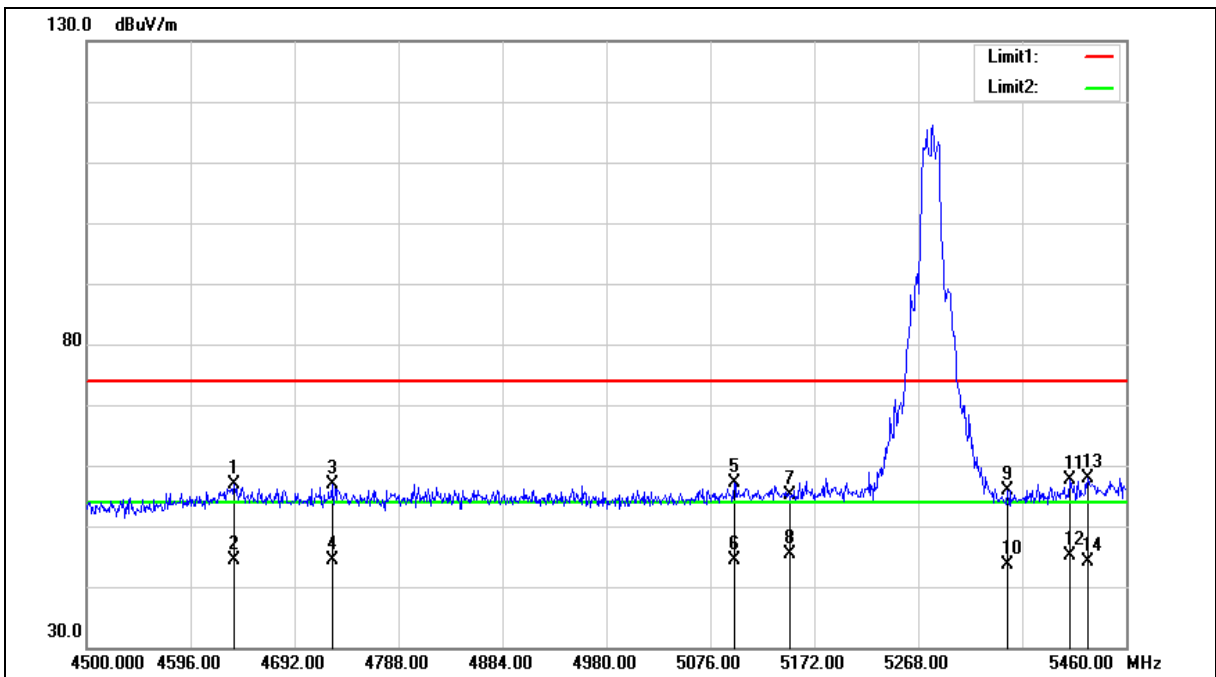
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4636.320	51.82	4.99	56.81	74.00	-17.19	peak
2	4636.320	39.43	4.99	44.42	54.00	-9.58	AVG
3	4726.560	51.69	5.17	56.86	74.00	-17.14	peak
4	4726.560	39.09	5.17	44.26	54.00	-9.74	AVG
5	5098.080	51.27	5.96	57.23	74.00	-16.77	peak
6	5098.080	38.40	5.96	44.36	54.00	-9.64	AVG
7	5150.000	49.17	6.07	55.24	74.00	-18.76	peak
8	5150.000	39.28	6.07	45.35	54.00	-8.65	AVG
9	5350.000	49.40	6.52	55.92	74.00	-18.08	peak
10	5350.000	37.10	6.52	43.62	54.00	-10.38	AVG
11	5408.160	50.98	6.64	57.62	74.00	-16.38	peak
12	5408.160	38.59	6.64	45.23	54.00	-8.77	AVG
13	5424.480	51.15	6.69	57.84	74.00	-16.16	peak
14	5424.480	37.47	6.69	44.16	54.00	-9.84	AVG

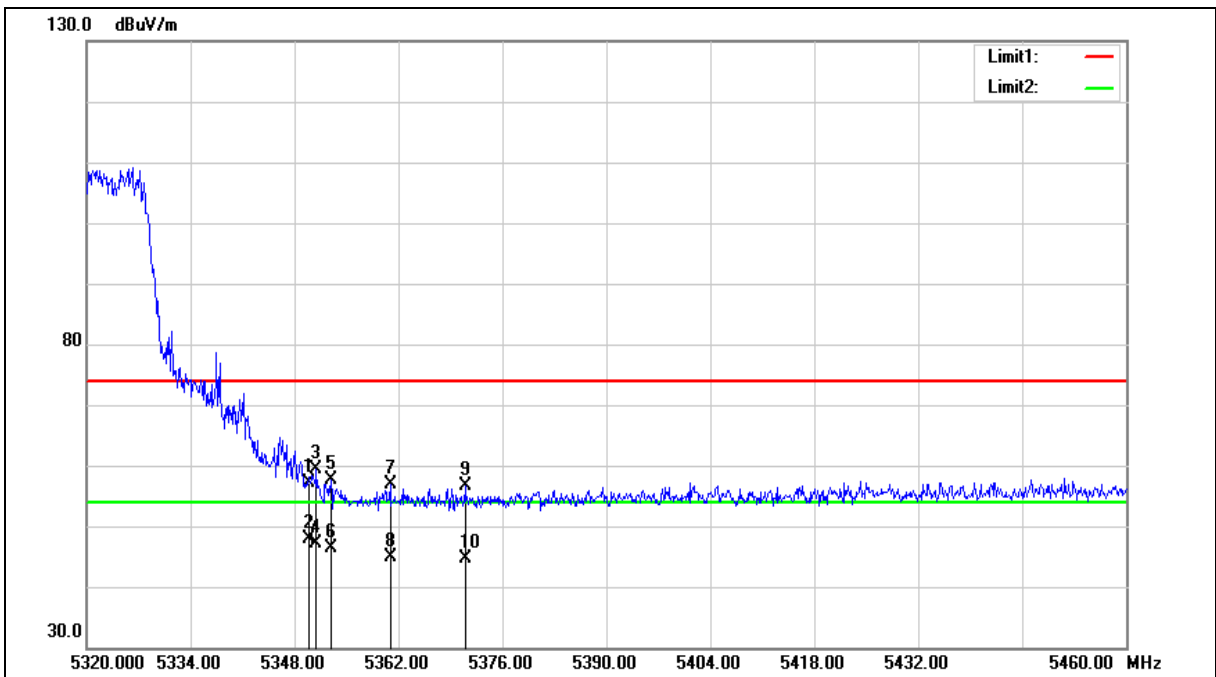
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	50.62	6.52	57.14	74.00	-16.86	peak
2	5350.000	41.25	6.52	47.77	54.00	-6.23	AVG
3	5350.940	52.96	6.52	59.48	74.00	-14.52	peak
4	5350.940	40.70	6.52	47.22	54.00	-6.78	AVG
5	5352.900	51.01	6.53	57.54	74.00	-16.46	peak
6	5352.900	39.87	6.53	46.40	54.00	-7.60	AVG
7	5360.880	50.34	6.54	56.88	74.00	-17.12	peak
8	5360.880	38.33	6.54	44.87	54.00	-9.13	AVG
9	5370.960	49.98	6.57	56.55	74.00	-17.45	peak
10	5370.960	37.99	6.57	44.56	54.00	-9.44	AVG

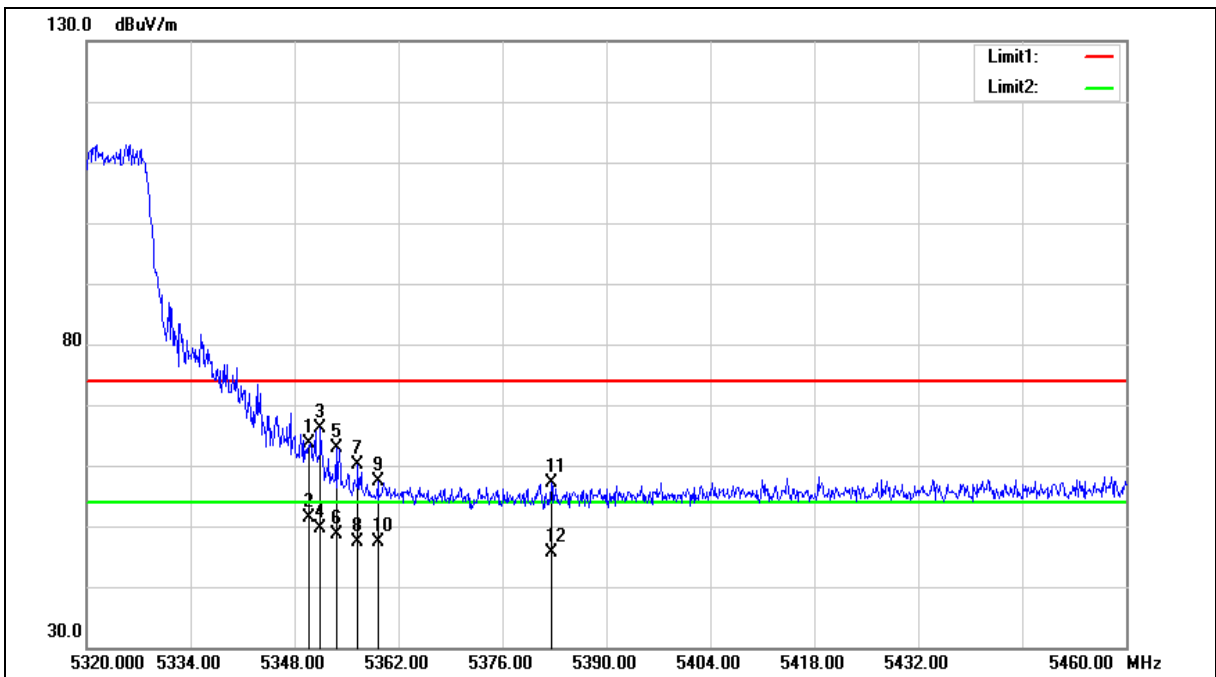
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	57.12	6.52	63.64	74.00	-10.36	peak
2	5350.000	44.83	6.52	51.35	54.00	-2.65	AVG
3	5351.500	59.69	6.52	66.21	74.00	-7.79	peak
4	5351.500	43.00	6.52	49.52	54.00	-4.48	AVG
5	5353.600	56.34	6.53	62.87	74.00	-11.13	peak
6	5353.600	42.04	6.53	48.57	54.00	-5.43	AVG
7	5356.540	53.55	6.53	60.08	74.00	-13.92	peak
8	5356.540	40.96	6.53	47.49	54.00	-6.51	AVG
9	5359.200	50.82	6.54	57.36	74.00	-16.64	peak
10	5359.200	40.84	6.54	47.38	54.00	-6.62	AVG
11	5382.580	50.57	6.59	57.16	74.00	-16.84	peak
12	5382.580	39.05	6.59	45.64	54.00	-8.36	AVG

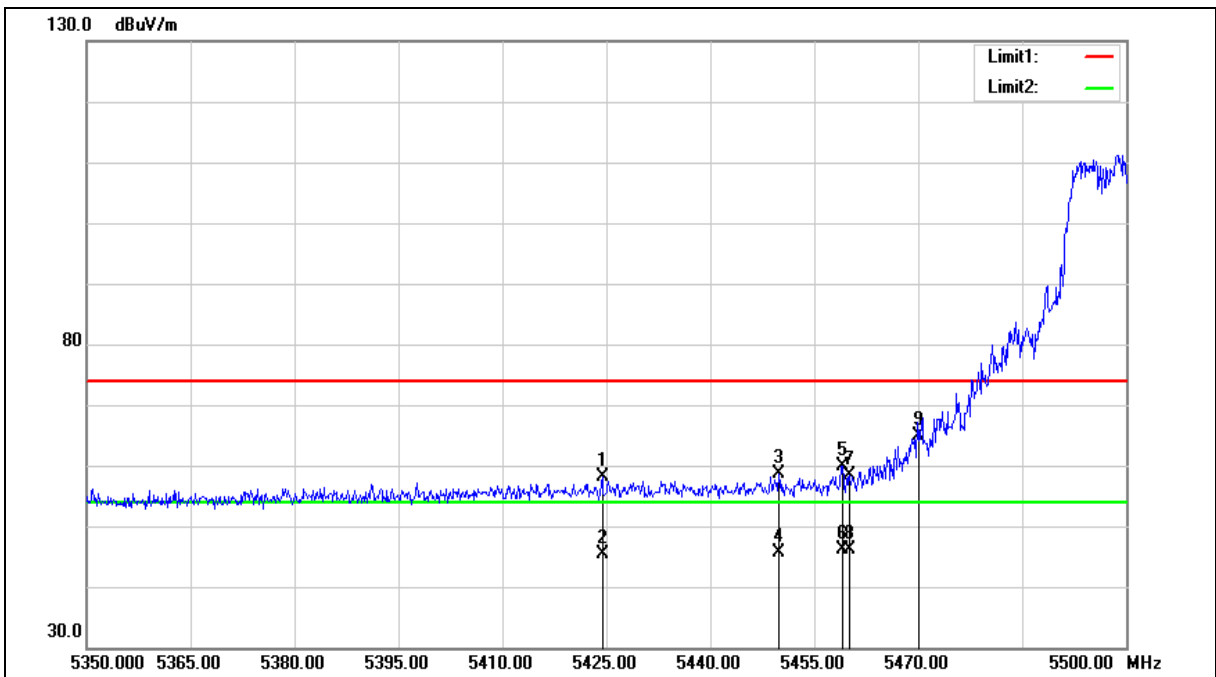
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5424.400	51.33	6.69	58.02	74.00	-15.98	peak
2	5424.400	38.75	6.69	45.44	54.00	-8.56	AVG
3	5449.900	51.79	6.75	58.54	74.00	-15.46	peak
4	5449.900	38.97	6.75	45.72	54.00	-8.28	AVG
5	5459.050	53.15	6.77	59.92	74.00	-14.08	peak
6	5459.050	39.30	6.77	46.07	54.00	-7.93	AVG
7	5460.000	51.53	6.77	58.30	74.00	-15.70	peak
8	5460.000	39.36	6.77	46.13	54.00	-7.87	AVG
9	5470.000	58.16	6.80	64.96	68.20	-3.24	peak

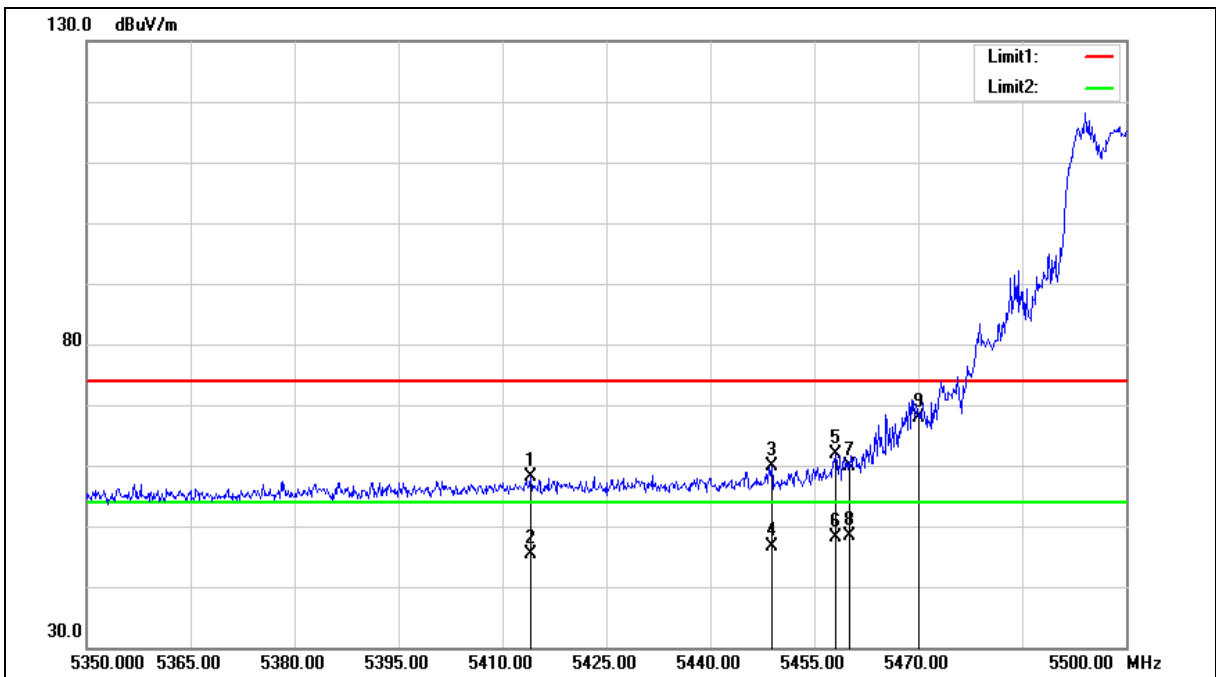
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5414.050	51.45	6.67	58.12	74.00	-15.88	peak
2	5414.050	38.77	6.67	45.44	54.00	-8.56	AVG
3	5448.850	53.09	6.75	59.84	74.00	-14.16	peak
4	5448.850	39.86	6.75	46.61	54.00	-7.39	AVG
5	5458.000	55.18	6.76	61.94	74.00	-12.06	peak
6	5458.000	41.41	6.76	48.17	54.00	-5.83	AVG
7	5460.000	53.10	6.77	59.87	74.00	-14.13	peak
8	5460.000	41.49	6.77	48.26	54.00	-5.74	AVG
9	5470.000	61.17	6.80	67.97	68.20	-0.23	peak

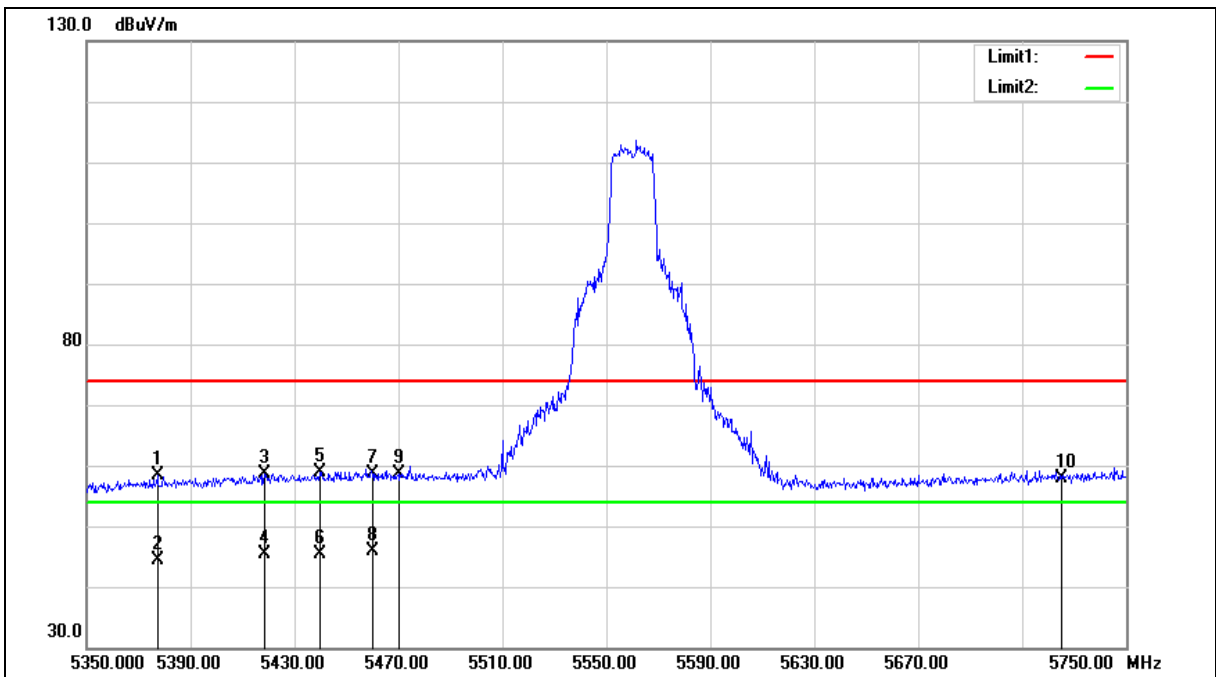
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5377.200	51.76	6.58	58.34	74.00	-15.66	peak
2	5377.200	37.92	6.58	44.50	54.00	-9.50	AVG
3	5418.400	52.06	6.68	58.74	74.00	-15.26	peak
4	5418.400	38.61	6.68	45.29	54.00	-8.71	AVG
5	5439.600	52.27	6.73	59.00	74.00	-15.00	peak
6	5439.600	38.60	6.73	45.33	54.00	-8.67	AVG
7	5460.000	51.91	6.77	58.68	74.00	-15.32	peak
8	5460.000	39.07	6.77	45.84	54.00	-8.16	AVG
9	5470.000	51.71	6.80	58.51	68.20	-9.69	peak
10	5725.000	50.57	7.32	57.89	68.20	-10.31	peak

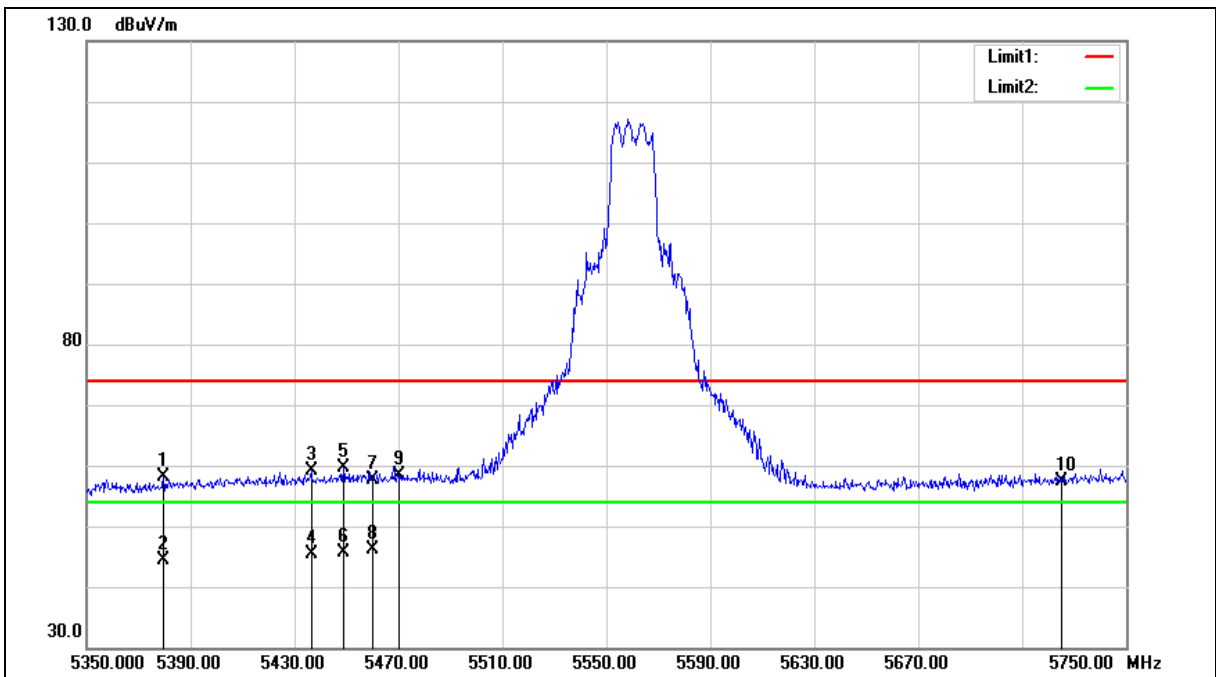
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5379.600	51.66	6.58	58.24	74.00	-15.76	peak
2	5379.600	37.73	6.58	44.31	54.00	-9.69	AVG
3	5436.400	52.35	6.72	59.07	74.00	-14.93	peak
4	5436.400	38.76	6.72	45.48	54.00	-8.52	AVG
5	5448.800	52.97	6.75	59.72	74.00	-14.28	peak
6	5448.800	38.80	6.75	45.55	54.00	-8.45	AVG
7	5460.000	50.90	6.77	57.67	74.00	-16.33	peak
8	5460.000	39.36	6.77	46.13	54.00	-7.87	AVG
9	5470.000	51.68	6.80	58.48	68.20	-9.72	peak
10	5725.000	50.08	7.32	57.40	68.20	-10.80	peak

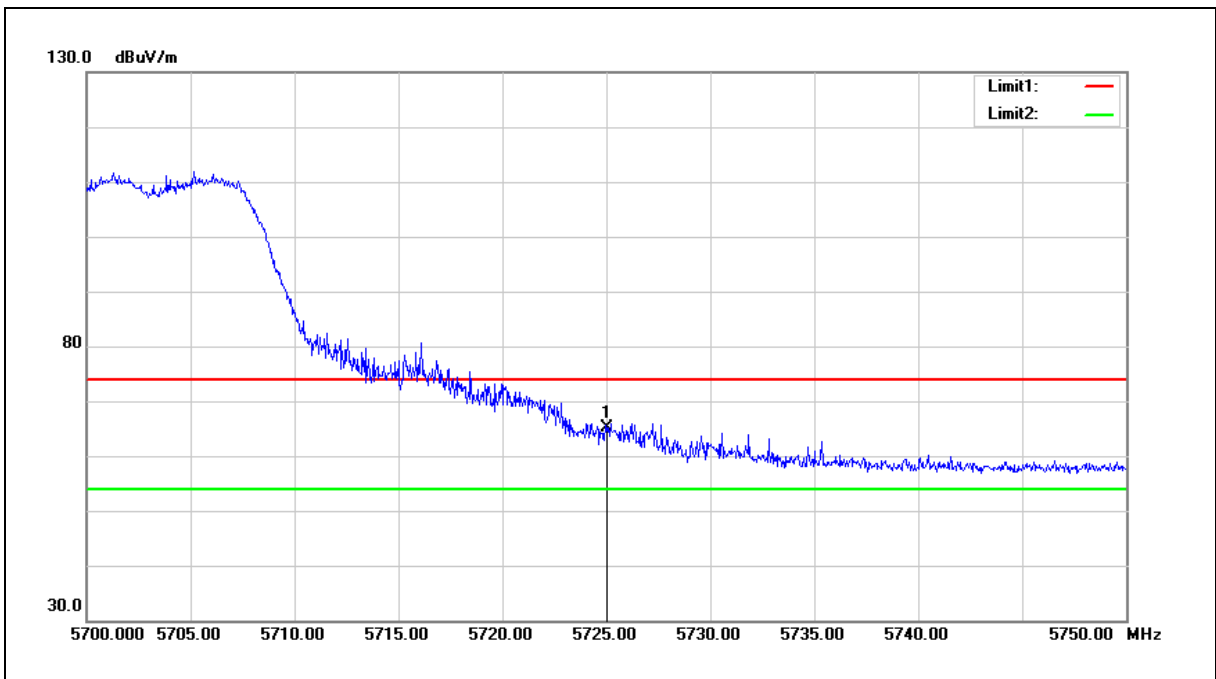
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

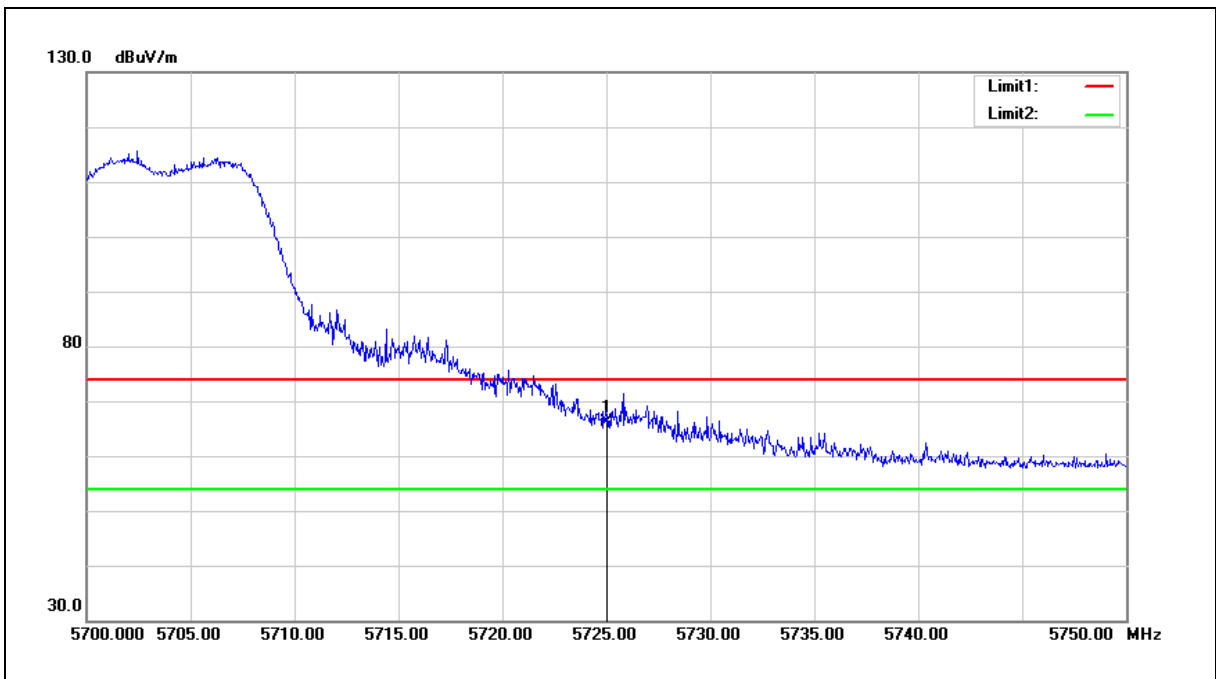


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	57.87	7.32	65.19	68.20	-3.01	peak

- 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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

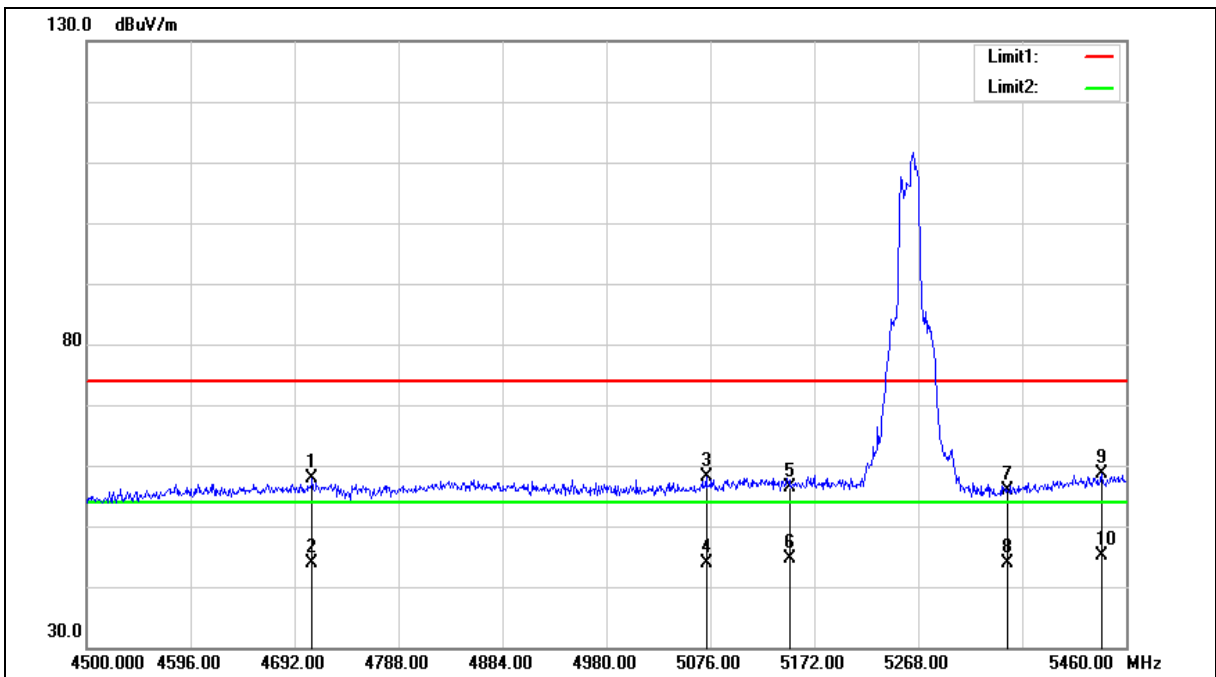


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	58.88	7.32	66.20	68.20	-2	peak

- Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).
3. When the peak results are less than average limit, so not need to evaluate the average.



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4708.320	52.72	5.14	57.86	74.00	-16.14	peak
2	4708.320	38.62	5.14	43.76	54.00	-10.24	AVG
3	5072.160	52.20	5.89	58.09	74.00	-15.91	peak
4	5072.160	37.92	5.89	43.81	54.00	-10.19	AVG
5	5150.000	50.35	6.07	56.42	74.00	-17.58	peak
6	5150.000	38.48	6.07	44.55	54.00	-9.45	AVG
7	5350.000	49.37	6.52	55.89	74.00	-18.11	peak
8	5350.000	37.39	6.52	43.91	54.00	-10.09	AVG
9	5436.960	51.81	6.72	58.53	74.00	-15.47	peak
10	5436.960	38.47	6.72	45.19	54.00	-8.81	AVG

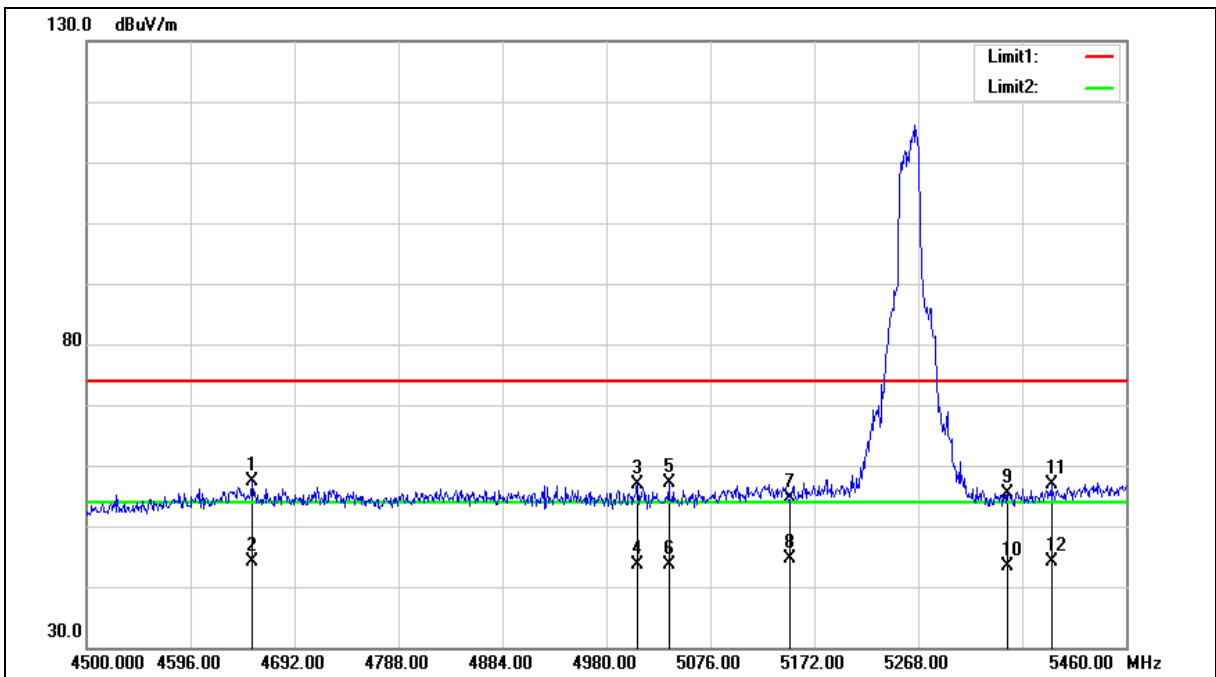
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4652.640	52.26	5.02	57.28	74.00	-16.72	peak
2	4652.640	39.19	5.02	44.21	54.00	-9.79	AVG
3	5008.800	51.04	5.75	56.79	74.00	-17.21	peak
4	5008.800	37.77	5.75	43.52	54.00	-10.48	AVG
5	5037.600	51.22	5.82	57.04	74.00	-16.96	peak
6	5037.600	37.69	5.82	43.51	54.00	-10.49	AVG
7	5150.000	48.59	6.07	54.66	74.00	-19.34	peak
8	5150.000	38.65	6.07	44.72	54.00	-9.28	AVG
9	5350.000	48.95	6.52	55.47	74.00	-18.53	peak
10	5350.000	36.93	6.52	43.45	54.00	-10.55	AVG
11	5390.880	50.21	6.61	56.82	74.00	-17.18	peak
12	5390.880	37.57	6.61	44.18	54.00	-9.82	AVG

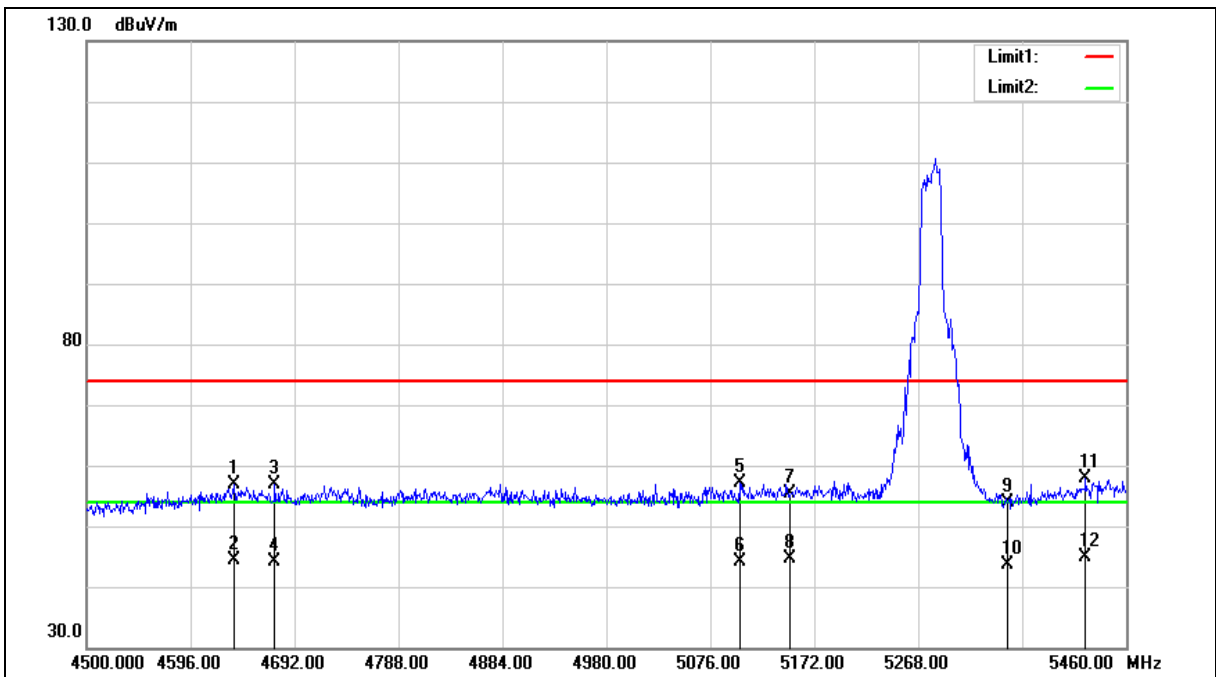
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4636.320	51.93	4.99	56.92	74.00	-17.08	peak
2	4636.320	39.41	4.99	44.40	54.00	-9.60	AVG
3	4673.760	51.89	5.06	56.95	74.00	-17.05	peak
4	4673.760	39.01	5.06	44.07	54.00	-9.93	AVG
5	5102.880	51.14	5.97	57.11	74.00	-16.89	peak
6	5102.880	38.25	5.97	44.22	54.00	-9.78	AVG
7	5150.000	49.23	6.07	55.30	74.00	-18.70	peak
8	5150.000	38.49	6.07	44.56	54.00	-9.44	AVG
9	5350.000	47.43	6.52	53.95	74.00	-20.05	peak
10	5350.000	37.22	6.52	43.74	54.00	-10.26	AVG
11	5422.560	51.19	6.69	57.88	74.00	-16.12	peak
12	5422.560	38.15	6.69	44.84	54.00	-9.16	AVG

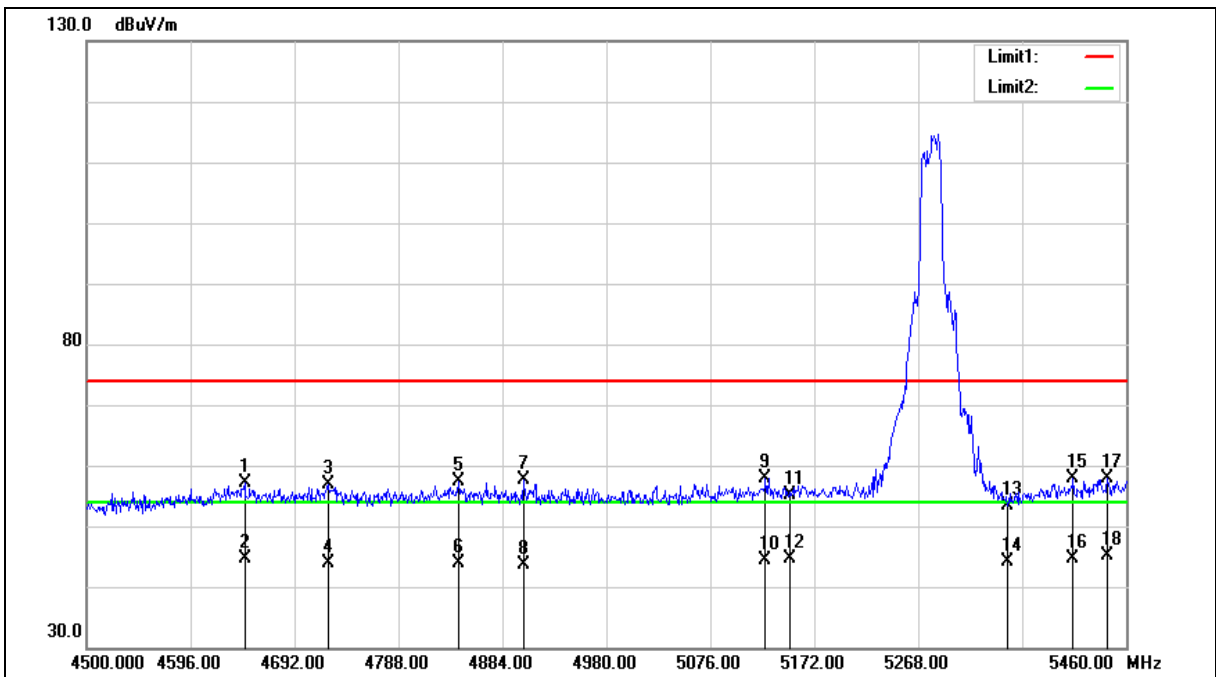
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4645.920	52.21	5.01	57.22	74.00	-16.78	peak
2	4645.920	39.52	5.01	44.53	54.00	-9.47	AVG
3	4722.720	51.74	5.17	56.91	74.00	-17.09	peak
4	4722.720	38.76	5.17	43.93	54.00	-10.07	AVG
5	4843.680	51.91	5.42	57.33	74.00	-16.67	peak
6	4843.680	38.55	5.42	43.97	54.00	-10.03	AVG
7	4903.200	52.05	5.54	57.59	74.00	-16.41	peak
8	4903.200	38.19	5.54	43.73	54.00	-10.27	AVG
9	5126.880	51.91	6.02	57.93	74.00	-16.07	peak
10	5126.880	38.42	6.02	44.44	54.00	-9.56	AVG
11	5150.000	48.96	6.07	55.03	74.00	-18.97	peak
12	5150.000	38.44	6.07	44.51	54.00	-9.49	AVG
13	5350.000	46.84	6.52	53.36	74.00	-20.64	peak
14	5350.000	37.65	6.52	44.17	54.00	-9.83	AVG
15	5411.040	51.16	6.65	57.81	74.00	-16.19	peak
16	5411.040	38.09	6.65	44.74	54.00	-9.26	AVG
17	5442.720	51.09	6.74	57.83	74.00	-16.17	peak
18	5442.720	38.37	6.74	45.11	54.00	-8.89	AVG

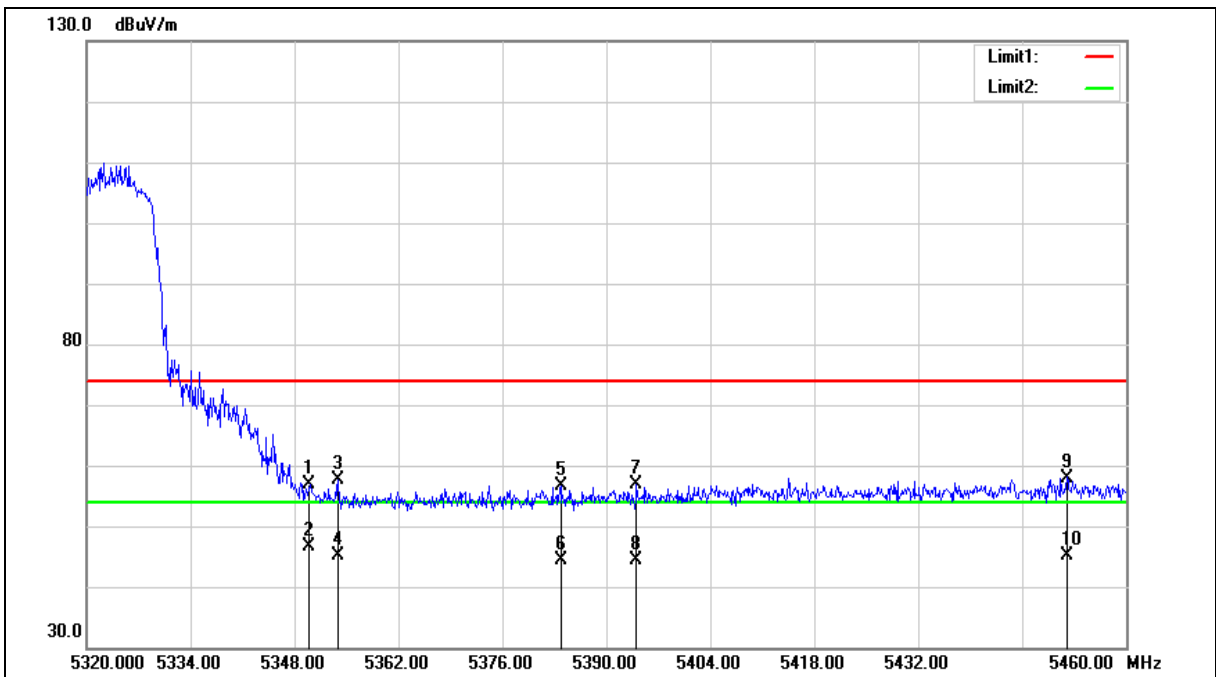
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	50.25	6.52	56.77	74.00	-17.23	peak
2	5350.000	40.05	6.52	46.57	54.00	-7.43	AVG
3	5353.880	51.19	6.53	57.72	74.00	-16.28	peak
4	5353.880	38.58	6.53	45.11	54.00	-8.89	AVG
5	5383.840	50.15	6.59	56.74	74.00	-17.26	peak
6	5383.840	37.73	6.59	44.32	54.00	-9.68	AVG
7	5394.060	50.19	6.62	56.81	74.00	-17.19	peak
8	5394.060	37.76	6.62	44.38	54.00	-9.62	AVG
9	5452.020	51.25	6.75	58.00	74.00	-16.00	peak
10	5452.020	38.49	6.75	45.24	54.00	-8.76	AVG

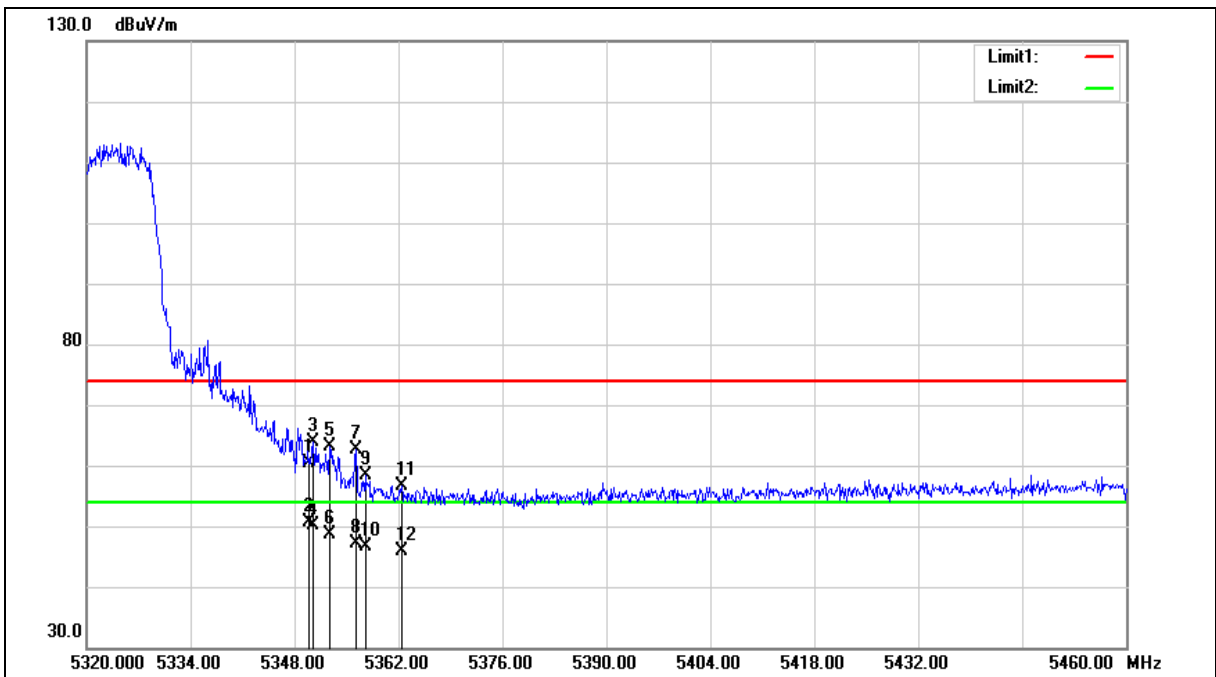
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	5350.000	53.85	6.52	60.37	74.00	-13.63	peak
2	5350.000	44.07	6.52	50.59	54.00	-3.41	AVG
3	5350.520	57.28	6.52	63.80	74.00	-10.20	peak
4	5350.520	43.69	6.52	50.21	54.00	-3.79	AVG
5	5352.760	56.68	6.52	63.20	74.00	-10.80	peak
6	5352.760	42.16	6.52	48.68	54.00	-5.32	AVG
7	5356.260	56.06	6.53	62.59	74.00	-11.41	peak
8	5356.260	40.54	6.53	47.07	54.00	-6.93	AVG
9	5357.520	51.74	6.53	58.27	74.00	-15.73	peak
10	5357.520	40.13	6.53	46.66	54.00	-7.34	AVG
11	5362.420	50.06	6.54	56.60	74.00	-17.40	peak
12	5362.420	39.42	6.54	45.96	54.00	-8.04	AVG

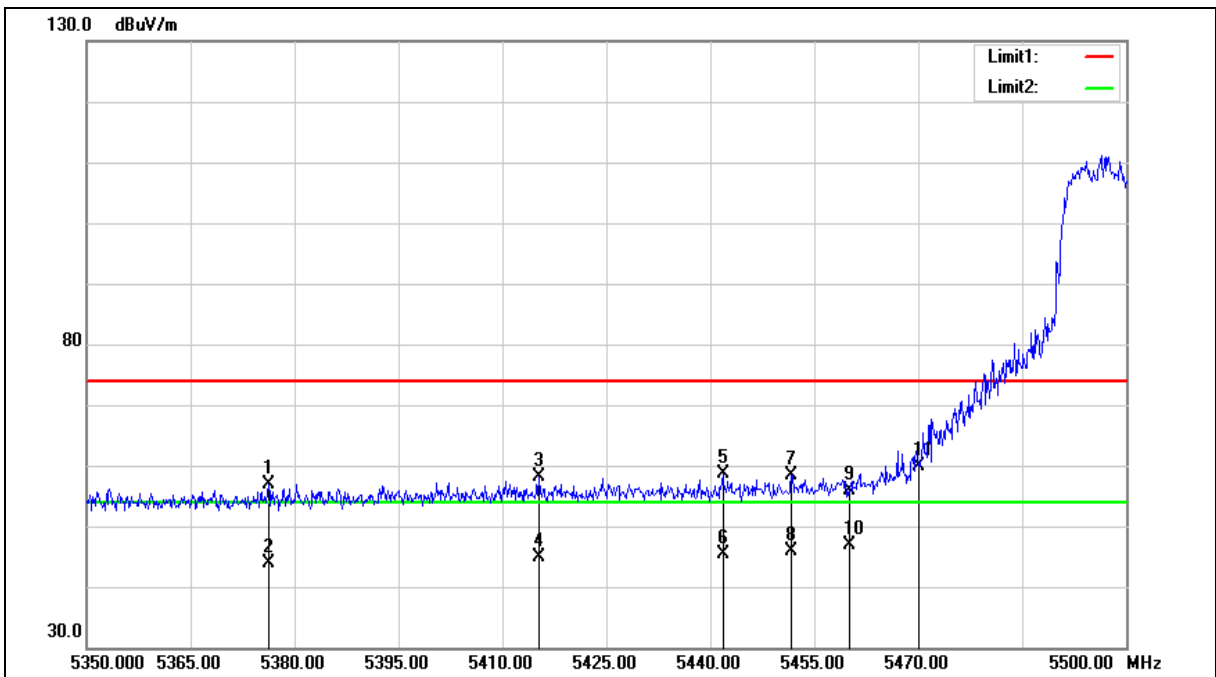
Note:1.Result (dBUV/m) = Correct Factor (dB/m) + Reading(dBUV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5376.250	50.27	6.58	56.85	74.00	-17.15	peak
2	5376.250	37.41	6.58	43.99	54.00	-10.01	AVG
3	5415.250	51.34	6.67	58.01	74.00	-15.99	peak
4	5415.250	38.22	6.67	44.89	54.00	-9.11	AVG
5	5441.800	51.87	6.74	58.61	74.00	-15.39	peak
6	5441.800	38.69	6.74	45.43	54.00	-8.57	AVG
7	5451.700	51.59	6.75	58.34	74.00	-15.66	peak
8	5451.700	39.13	6.75	45.88	54.00	-8.12	AVG
9	5460.000	49.07	6.77	55.84	74.00	-18.16	peak
10	5460.000	40.04	6.77	46.81	54.00	-7.19	AVG
11	5470.000	53.06	6.80	59.86	68.20	-8.34	peak

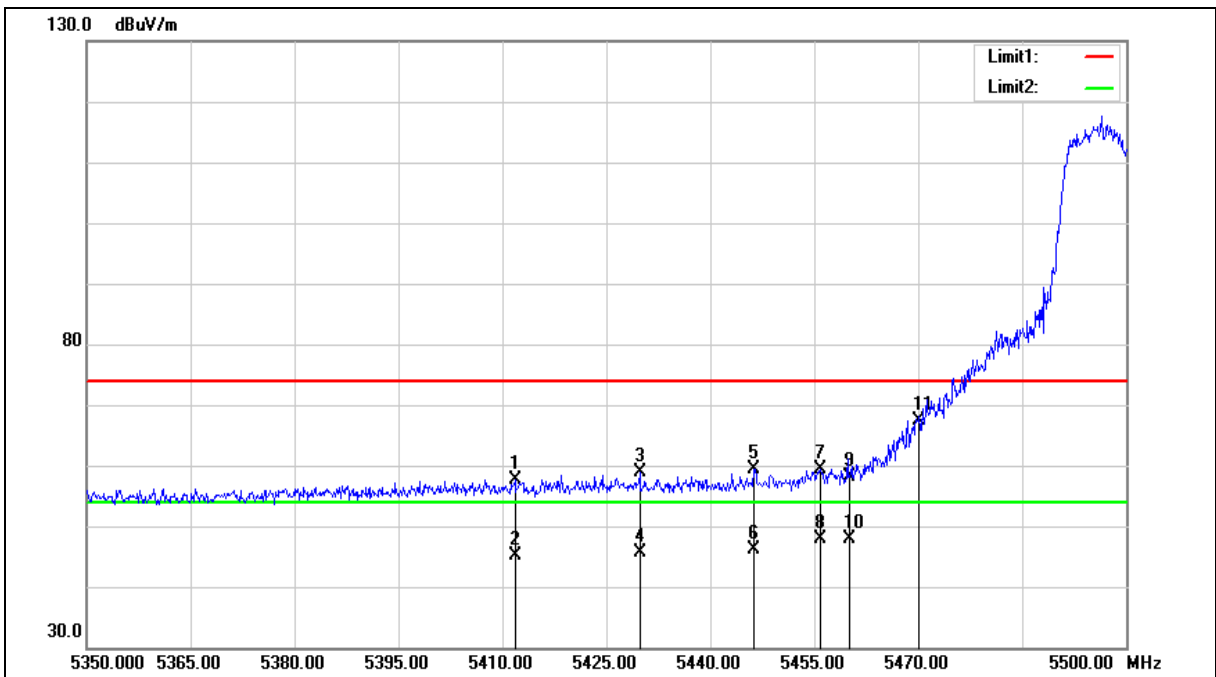
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5411.800	50.99	6.65	57.64	74.00	-16.36	peak
2	5411.800	38.56	6.65	45.21	54.00	-8.79	AVG
3	5429.800	52.28	6.70	58.98	74.00	-15.02	peak
4	5429.800	38.90	6.70	45.60	54.00	-8.40	AVG
5	5446.300	52.57	6.74	59.31	74.00	-14.69	peak
6	5446.300	39.50	6.74	46.24	54.00	-7.76	AVG
7	5455.900	52.67	6.76	59.43	74.00	-14.57	peak
8	5455.900	41.17	6.76	47.93	54.00	-6.07	AVG
9	5460.000	51.32	6.77	58.09	74.00	-15.91	peak
10	5460.000	41.09	6.77	47.86	54.00	-6.14	AVG
11	5470.000	60.46	6.80	67.26	68.20	-0.94	peak

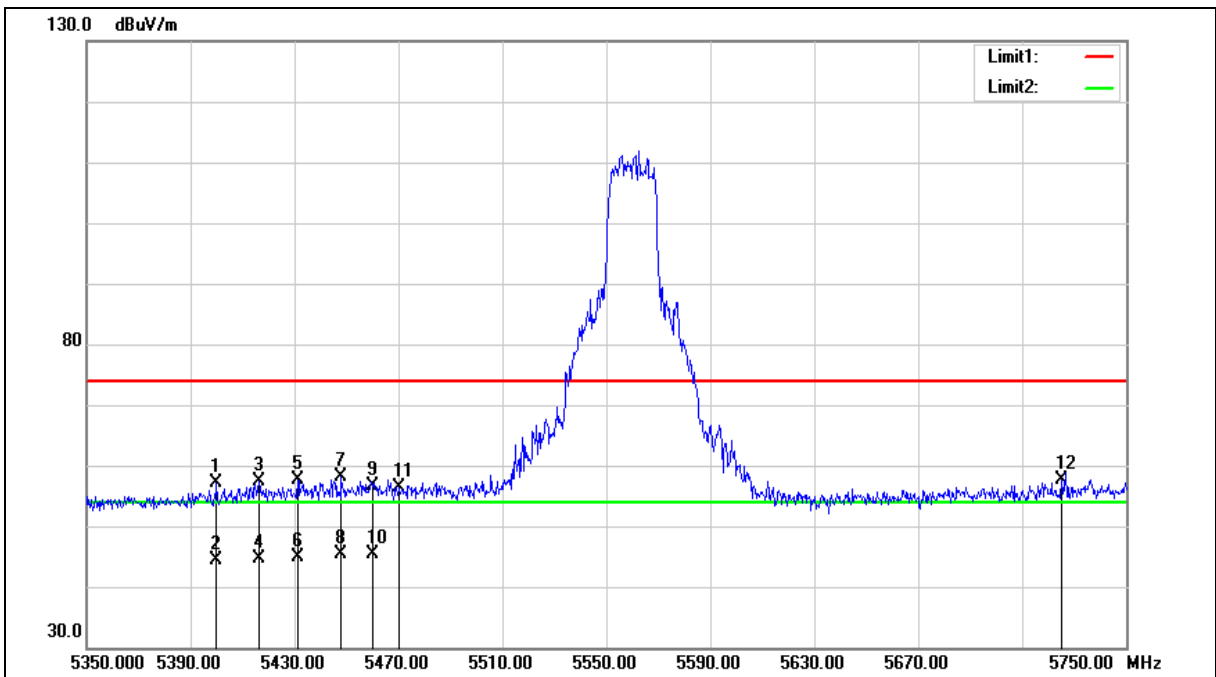
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5400.000	50.61	6.63	57.24	74.00	-16.76	peak
2	5400.000	37.86	6.63	44.49	54.00	-9.51	AVG
3	5416.400	50.65	6.67	57.32	74.00	-16.68	peak
4	5416.400	38.08	6.67	44.75	54.00	-9.25	AVG
5	5431.200	50.89	6.71	57.60	74.00	-16.40	peak
6	5431.200	38.28	6.71	44.99	54.00	-9.01	AVG
7	5448.000	51.49	6.75	58.24	74.00	-15.76	peak
8	5448.000	38.52	6.75	45.27	54.00	-8.73	AVG
9	5460.000	49.82	6.77	56.59	74.00	-17.41	peak
10	5460.000	38.62	6.77	45.39	54.00	-8.61	AVG
11	5470.000	49.57	6.80	56.37	68.20	-11.83	peak
12	5725.000	50.21	7.32	57.53	68.20	-10.67	peak

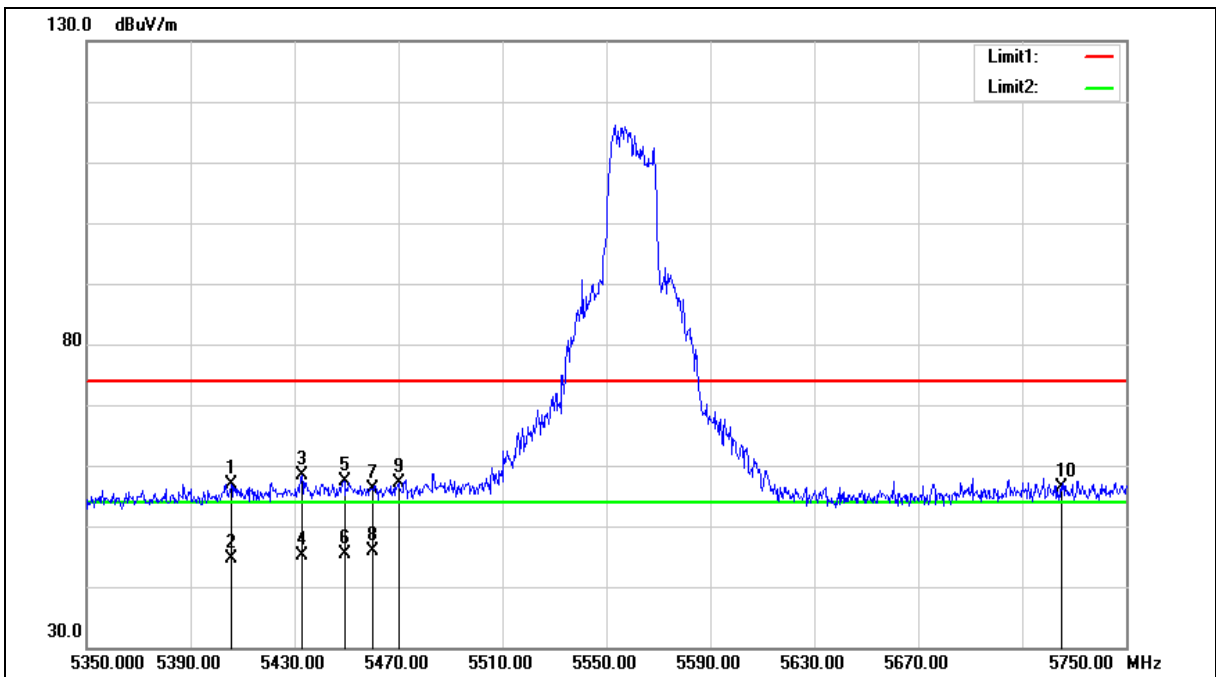
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5405.600	50.32	6.64	56.96	74.00	-17.04	peak
2	5405.600	37.97	6.64	44.61	54.00	-9.39	AVG
3	5432.800	51.55	6.71	58.26	74.00	-15.74	peak
4	5432.800	38.34	6.71	45.05	54.00	-8.95	AVG
5	5449.200	50.69	6.75	57.44	74.00	-16.56	peak
6	5449.200	38.51	6.75	45.26	54.00	-8.74	AVG
7	5460.000	49.26	6.77	56.03	74.00	-17.97	peak
8	5460.000	39.03	6.77	45.80	54.00	-8.20	AVG
9	5470.000	50.32	6.80	57.12	68.20	-11.08	peak
10	5725.000	49.00	7.32	56.32	68.20	-11.88	peak

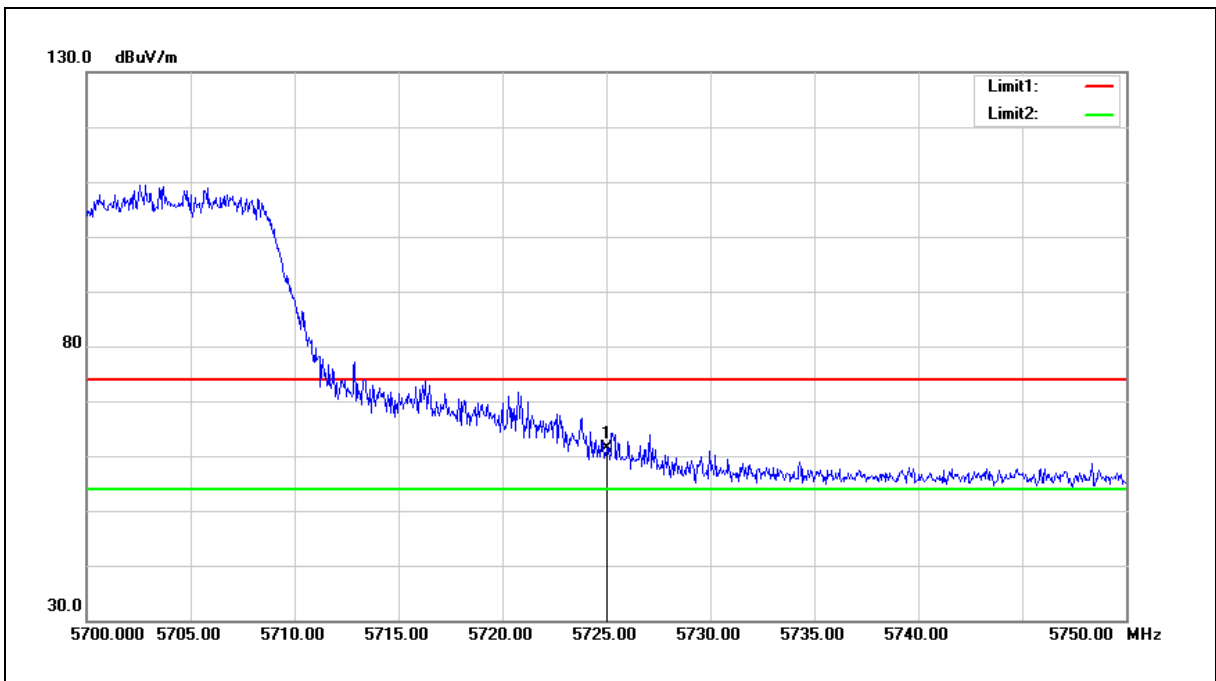
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	54.17	7.32	61.49	68.20	-6.71	peak

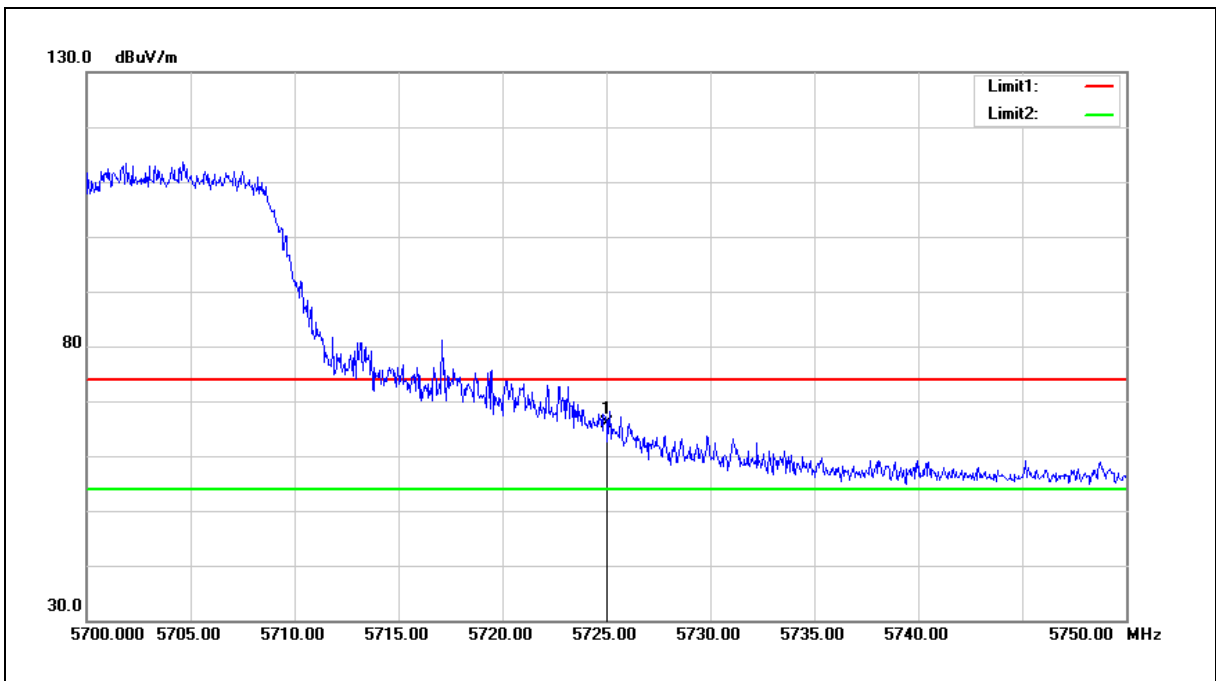
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	58.65	7.32	65.97	68.20	-2.23	peak

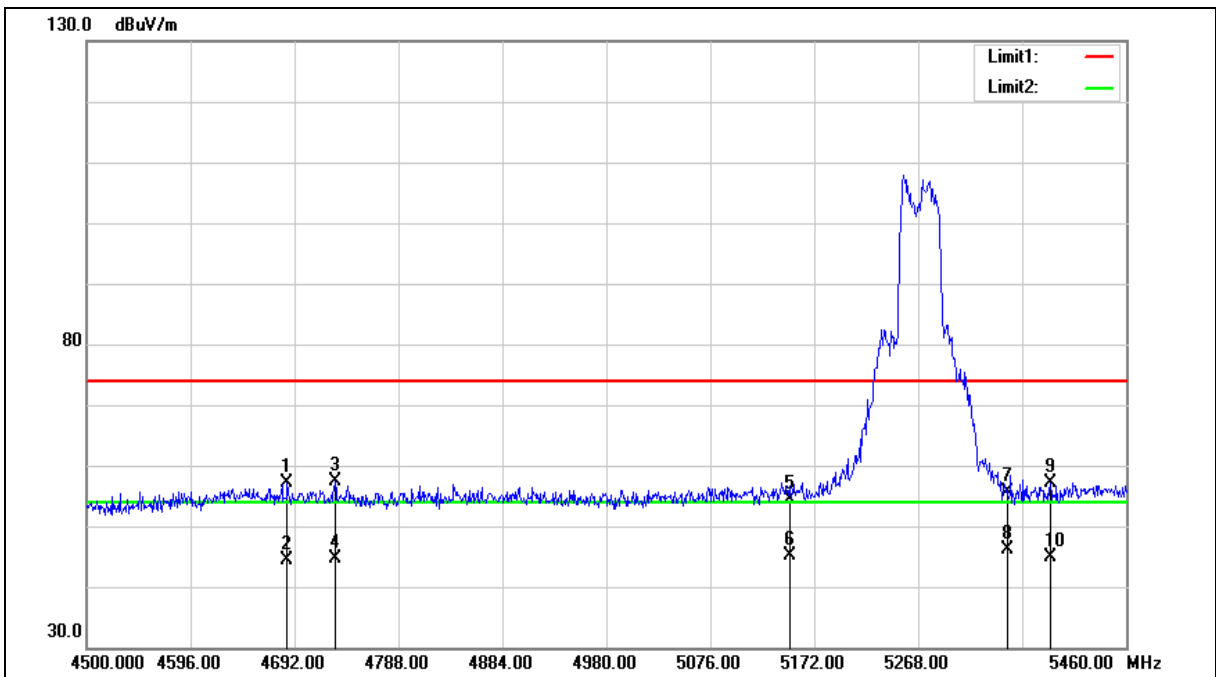
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4685.280	52.15	5.08	57.23	74.00	-16.77	peak
2	4685.280	39.36	5.08	44.44	54.00	-9.56	AVG
3	4729.440	52.12	5.18	57.30	74.00	-16.70	peak
4	4729.440	39.34	5.18	44.52	54.00	-9.48	AVG
5	5150.000	48.43	6.07	54.50	74.00	-19.50	peak
6	5150.000	39.13	6.07	45.20	54.00	-8.80	AVG
7	5350.000	49.03	6.52	55.55	74.00	-18.45	peak
8	5350.000	39.56	6.52	46.08	54.00	-7.92	AVG
9	5389.920	50.47	6.61	57.08	74.00	-16.92	peak
10	5389.920	38.31	6.61	44.92	54.00	-9.08	AVG

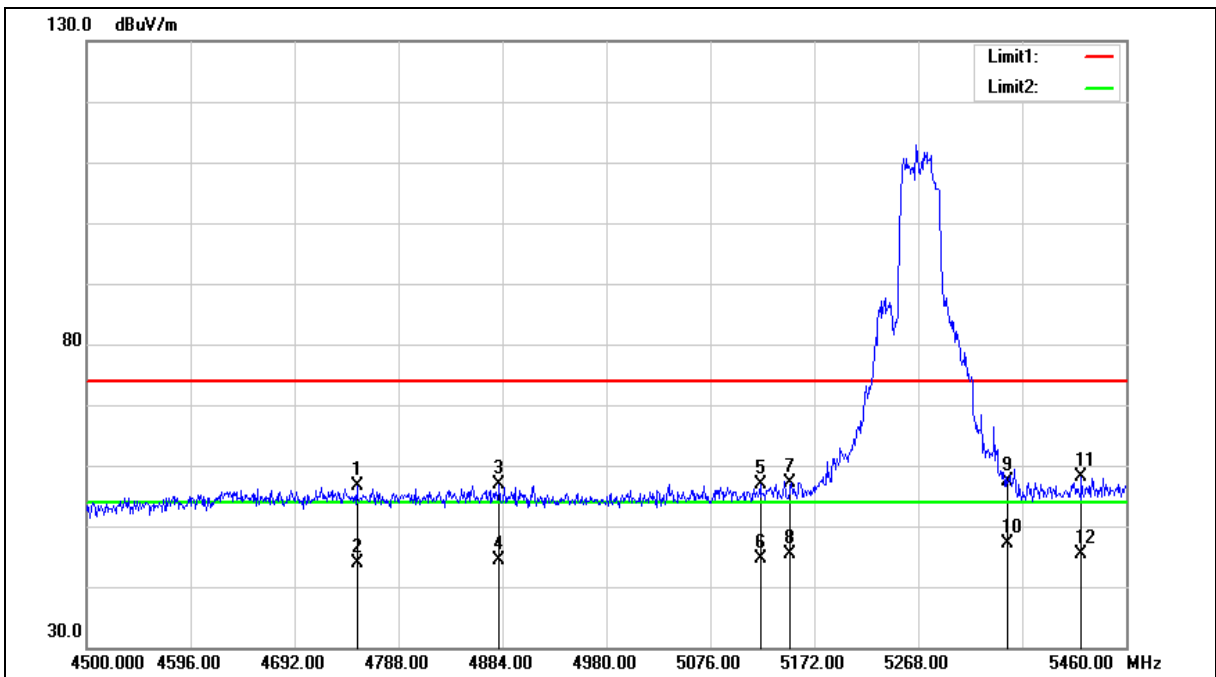
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4749.600	51.46	5.22	56.68	74.00	-17.32	peak
2	4749.600	38.71	5.22	43.93	54.00	-10.07	AVG
3	4881.120	51.44	5.48	56.92	74.00	-17.08	peak
4	4881.120	38.84	5.48	44.32	54.00	-9.68	AVG
5	5122.080	50.98	6.01	56.99	74.00	-17.01	peak
6	5122.080	38.60	6.01	44.61	54.00	-9.39	AVG
7	5150.000	51.10	6.07	57.17	74.00	-16.83	peak
8	5150.000	39.28	6.07	45.35	54.00	-8.65	AVG
9	5350.000	50.87	6.52	57.39	74.00	-16.61	peak
10	5350.000	40.65	6.52	47.17	54.00	-6.83	AVG
11	5418.720	51.56	6.68	58.24	74.00	-15.76	peak
12	5418.720	38.77	6.68	45.45	54.00	-8.55	AVG

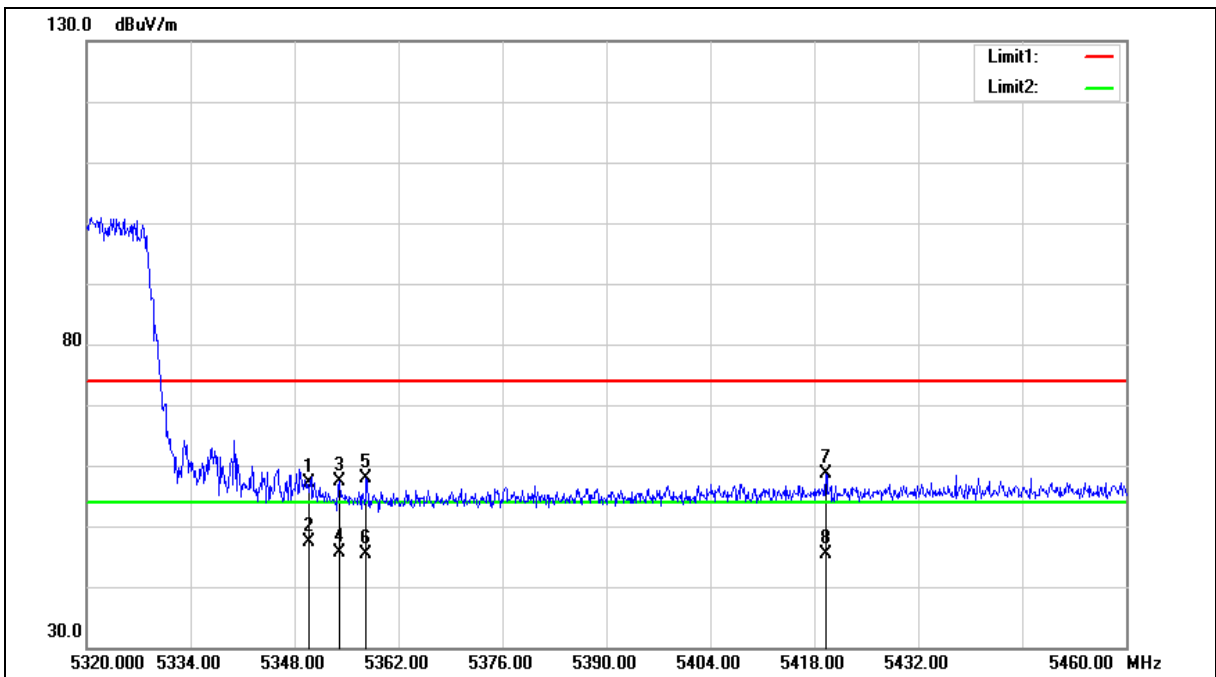
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	50.54	6.52	57.06	74.00	-16.94	peak
2	5350.000	40.98	6.52	47.50	54.00	-6.50	AVG
3	5354.020	50.81	6.53	57.34	74.00	-16.66	peak
4	5354.020	39.14	6.53	45.67	54.00	-8.33	AVG
5	5357.660	51.23	6.53	57.76	74.00	-16.24	peak
6	5357.660	38.90	6.53	45.43	54.00	-8.57	AVG
7	5419.540	51.94	6.69	58.63	74.00	-15.37	peak
8	5419.540	38.78	6.69	45.47	54.00	-8.53	AVG

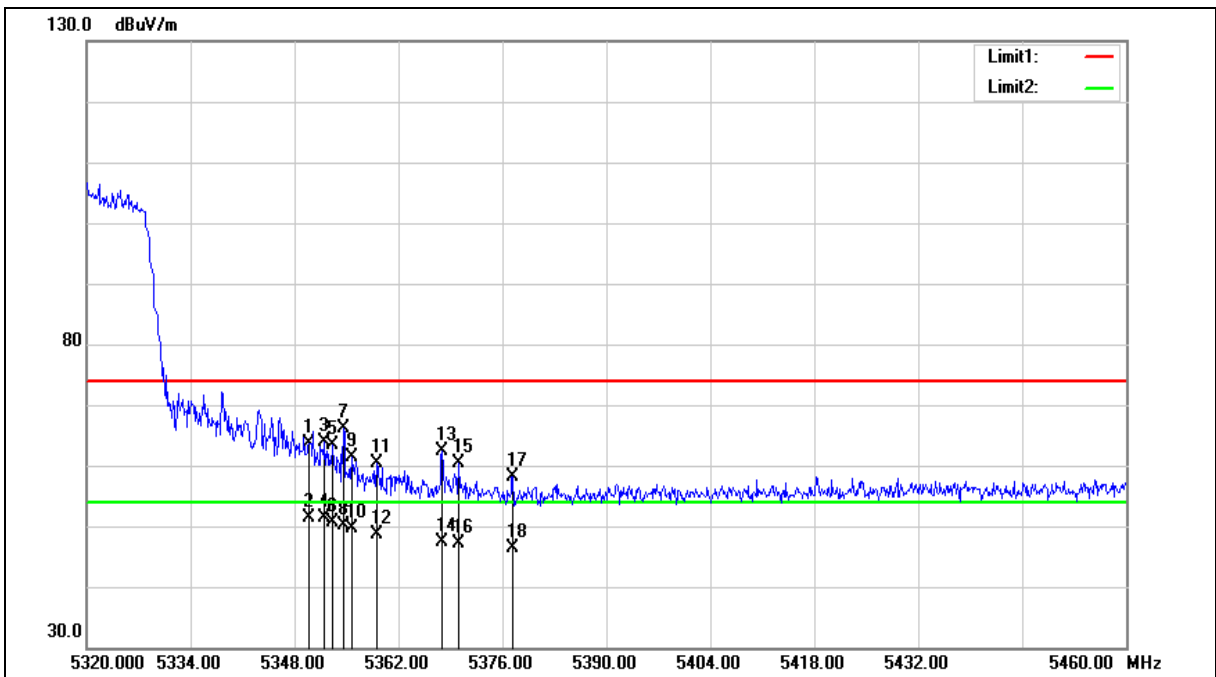
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	57.18	6.52	63.70	74.00	-10.30	peak
2	5350.000	44.86	6.52	51.38	54.00	-2.62	AVG
3	5352.060	57.24	6.52	63.76	74.00	-10.24	peak
4	5352.060	44.79	6.52	51.31	54.00	-2.69	AVG
5	5353.180	56.74	6.53	63.27	74.00	-10.73	peak
6	5353.180	44.16	6.53	50.69	54.00	-3.31	AVG
7	5354.580	59.52	6.53	66.05	74.00	-7.95	peak
8	5354.580	43.63	6.53	50.16	54.00	-3.84	AVG
9	5355.700	54.73	6.53	61.26	74.00	-12.74	peak
10	5355.700	43.18	6.53	49.71	54.00	-4.29	AVG
11	5359.060	53.95	6.54	60.49	74.00	-13.51	peak
12	5359.060	42.03	6.54	48.57	54.00	-5.43	AVG
13	5367.880	55.77	6.56	62.33	74.00	-11.67	peak
14	5367.880	40.80	6.56	47.36	54.00	-6.64	AVG
15	5370.120	53.91	6.57	60.48	74.00	-13.52	peak
16	5370.120	40.53	6.57	47.10	54.00	-6.90	AVG
17	5377.400	51.62	6.58	58.20	74.00	-15.80	peak
18	5377.400	39.82	6.58	46.40	54.00	-7.60	AVG

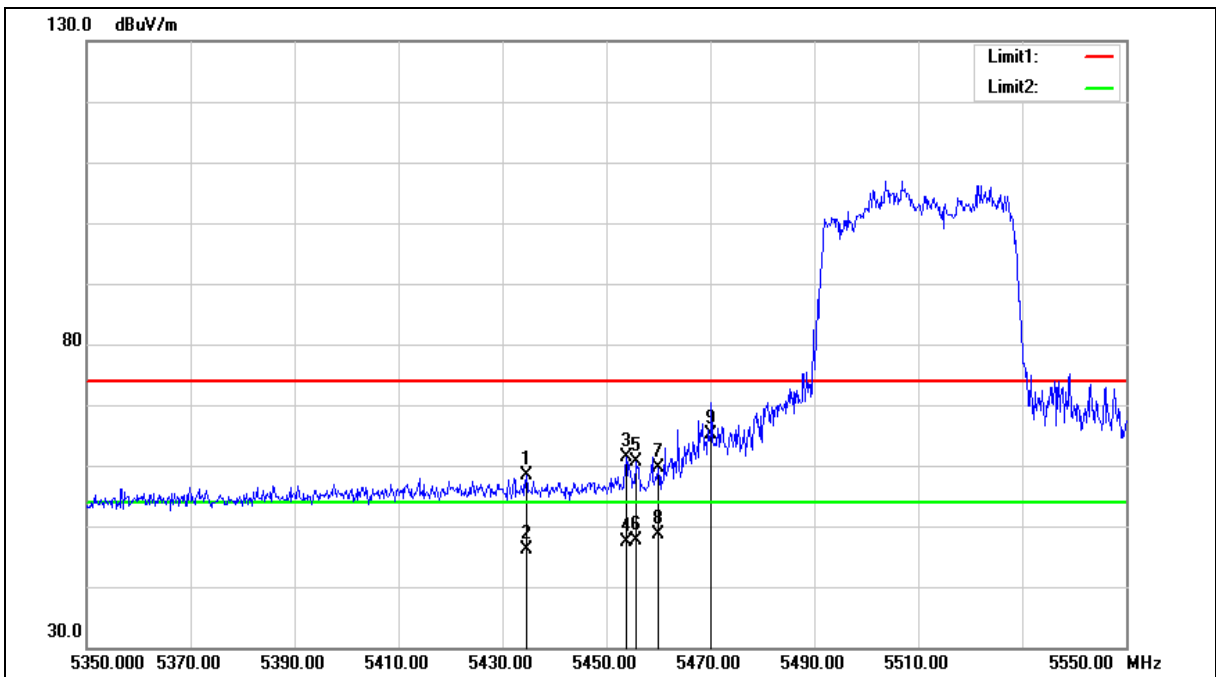
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5434.600	51.65	6.71	58.36	74.00	-15.64	peak
2	5434.600	39.44	6.71	46.15	54.00	-7.85	AVG
3	5453.800	54.53	6.76	61.29	74.00	-12.71	peak
4	5453.800	40.56	6.76	47.32	54.00	-6.68	AVG
5	5455.800	53.77	6.76	60.53	74.00	-13.47	peak
6	5455.800	40.80	6.76	47.56	54.00	-6.44	AVG
7	5460.000	52.82	6.77	59.59	74.00	-14.41	peak
8	5460.000	41.89	6.77	48.66	54.00	-5.34	AVG
9	5470.000	58.37	6.80	65.17	68.20	-3.03	peak

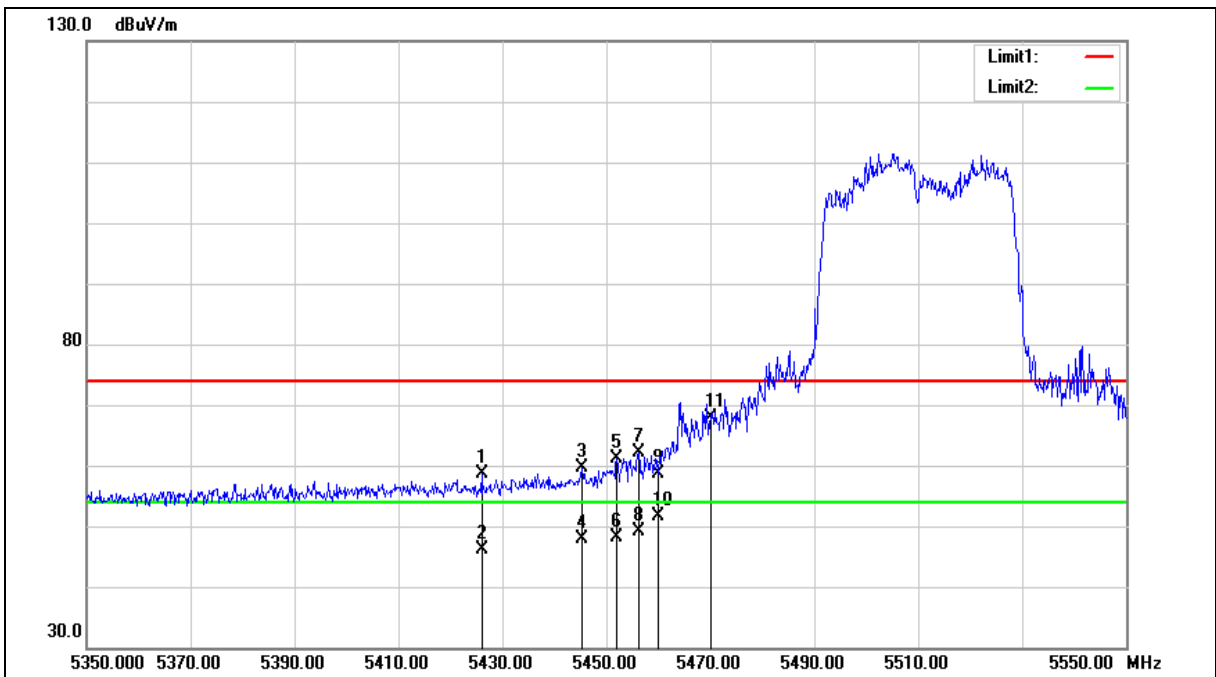
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5426.000	52.03	6.70	58.73	74.00	-15.27	peak
2	5426.000	39.45	6.70	46.15	54.00	-7.85	AVG
3	5445.400	52.99	6.74	59.73	74.00	-14.27	peak
4	5445.400	41.22	6.74	47.96	54.00	-6.04	AVG
5	5452.000	54.46	6.75	61.21	74.00	-12.79	peak
6	5452.000	41.28	6.75	48.03	54.00	-5.97	AVG
7	5456.200	55.47	6.76	62.23	74.00	-11.77	peak
8	5456.200	42.41	6.76	49.17	54.00	-4.83	AVG
9	5460.000	51.76	6.77	58.53	74.00	-15.47	peak
10	5460.000	44.77	6.77	51.54	54.00	-2.46	AVG
11	5470.000	61.04	6.80	67.84	68.20	-0.36	peak

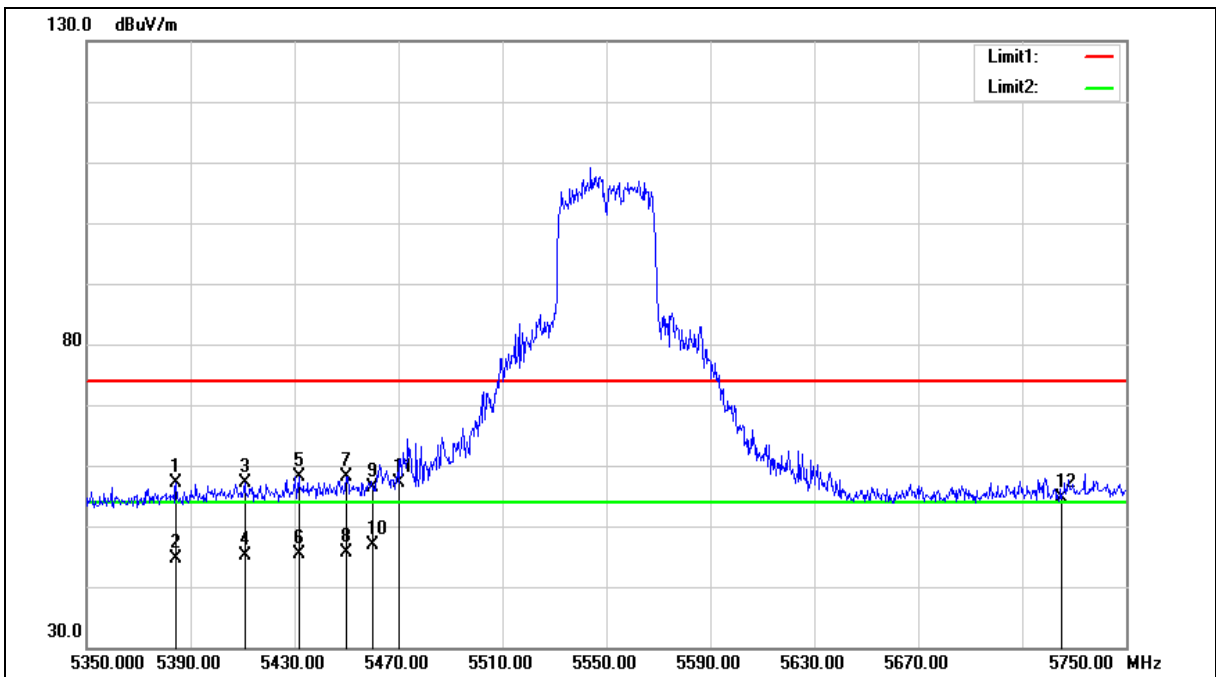
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5384.400	50.45	6.59	57.04	74.00	-16.96	peak
2	5384.400	38.07	6.59	44.66	54.00	-9.34	AVG
3	5410.800	50.49	6.65	57.14	74.00	-16.86	peak
4	5410.800	38.56	6.65	45.21	54.00	-8.79	AVG
5	5431.600	51.34	6.71	58.05	74.00	-15.95	peak
6	5431.600	38.60	6.71	45.31	54.00	-8.69	AVG
7	5450.000	51.44	6.75	58.19	74.00	-15.81	peak
8	5450.000	38.99	6.75	45.74	54.00	-8.26	AVG
9	5460.000	49.60	6.77	56.37	74.00	-17.63	peak
10	5460.000	40.05	6.77	46.82	54.00	-7.18	AVG
11	5470.000	50.39	6.80	57.19	68.20	-11.01	peak
12	5725.000	47.26	7.32	54.58	68.20	-13.62	peak

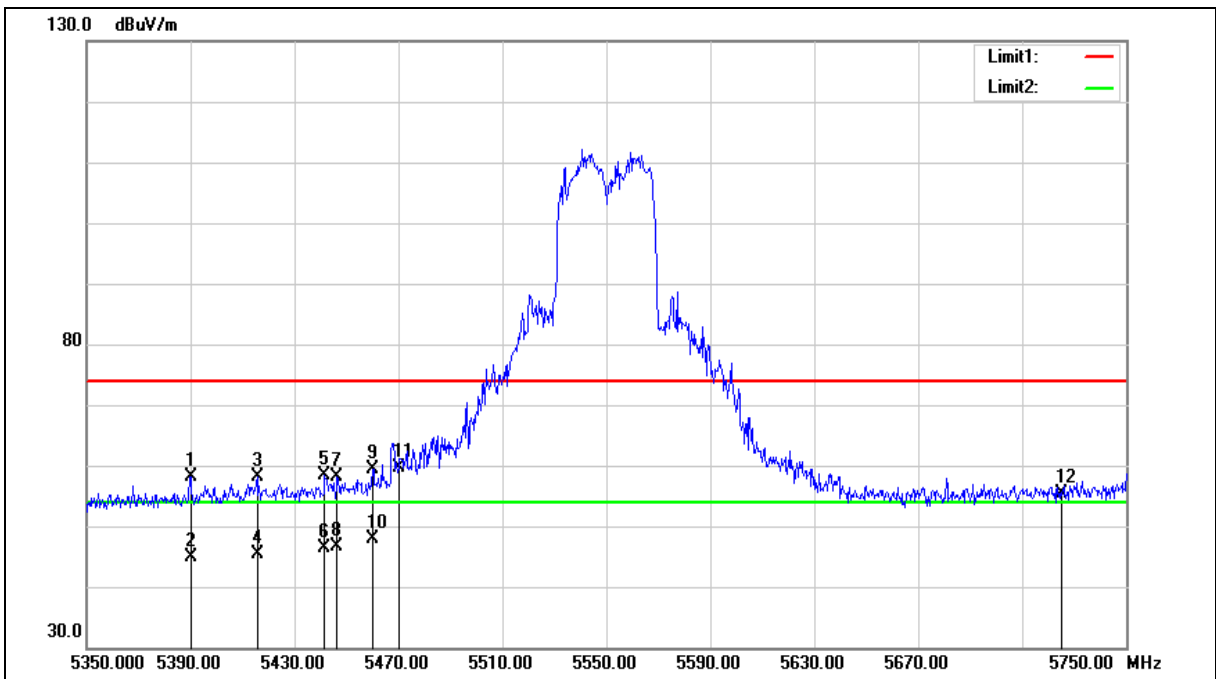
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5390.000	51.53	6.61	58.14	74.00	-15.86	peak
2	5390.000	38.17	6.61	44.78	54.00	-9.22	AVG
3	5415.600	51.39	6.67	58.06	74.00	-15.94	peak
4	5415.600	38.82	6.67	45.49	54.00	-8.51	AVG
5	5441.600	51.63	6.73	58.36	74.00	-15.64	peak
6	5441.600	39.75	6.73	46.48	54.00	-7.52	AVG
7	5446.400	51.38	6.74	58.12	74.00	-15.88	peak
8	5446.400	39.95	6.74	46.69	54.00	-7.31	AVG
9	5460.000	52.50	6.77	59.27	74.00	-14.73	peak
10	5460.000	41.10	6.77	47.87	54.00	-6.13	AVG
11	5470.000	52.78	6.80	59.58	68.20	-8.62	peak
12	5725.000	48.06	7.32	55.38	68.20	-12.82	peak

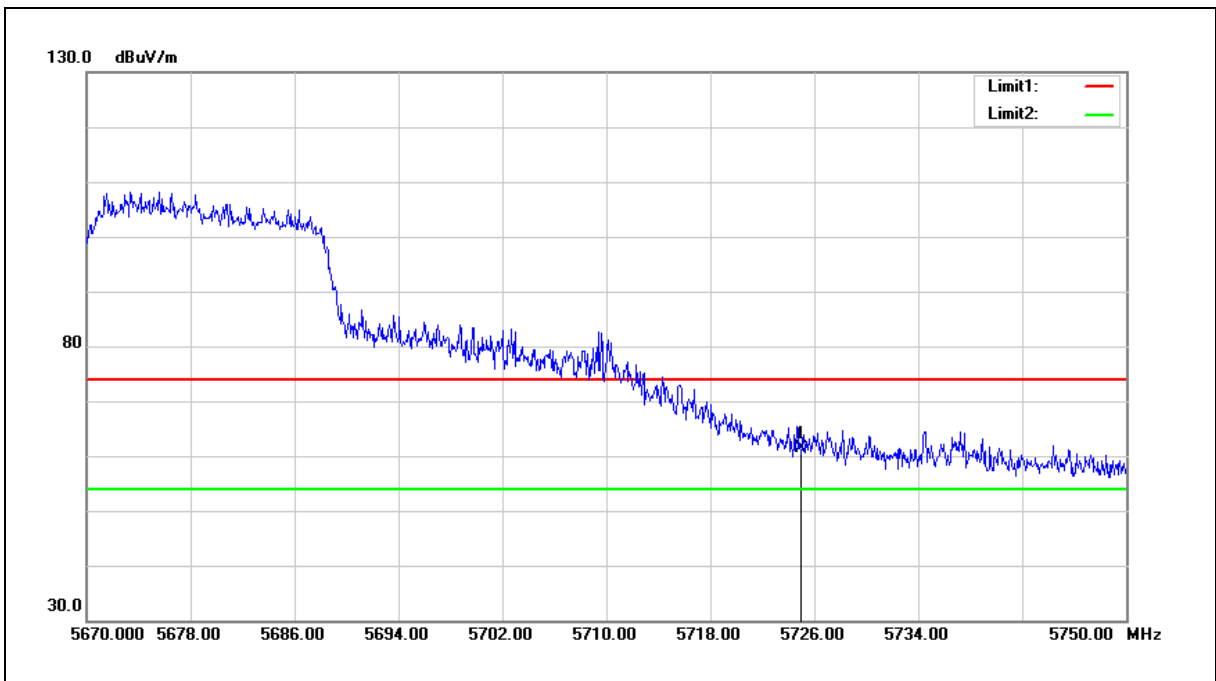
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	54.15	7.32	61.47	68.20	-6.73	peak

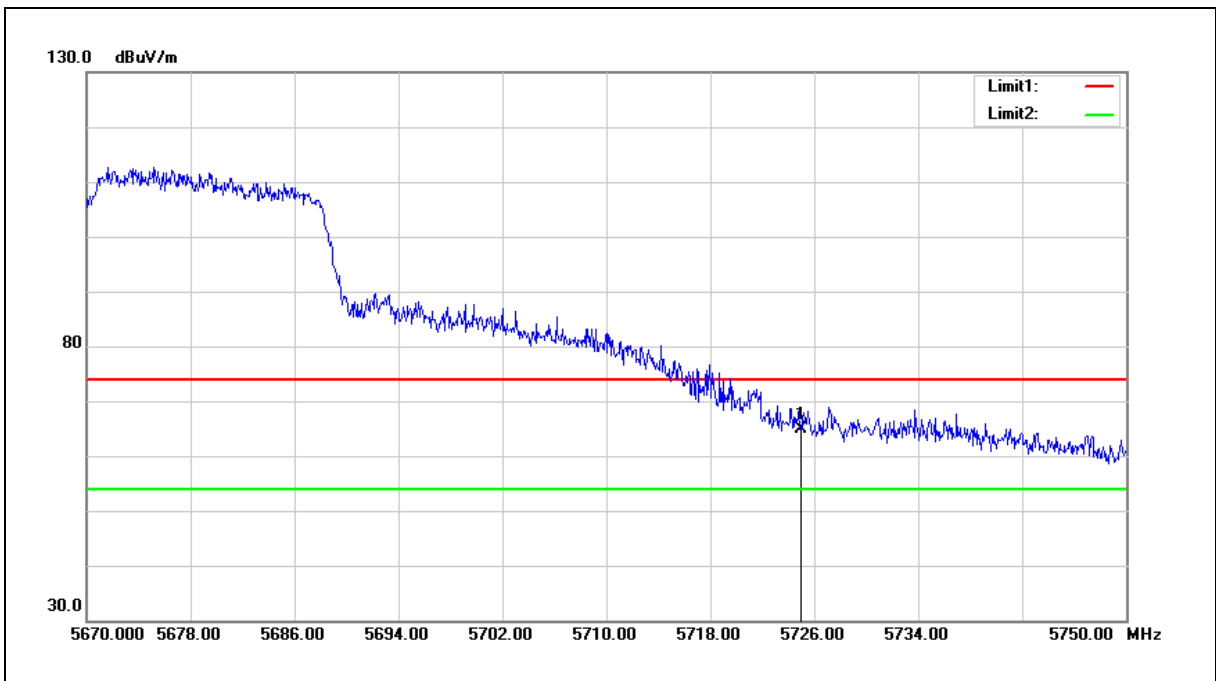
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	57.65	7.32	64.97	68.20	-3.23	peak

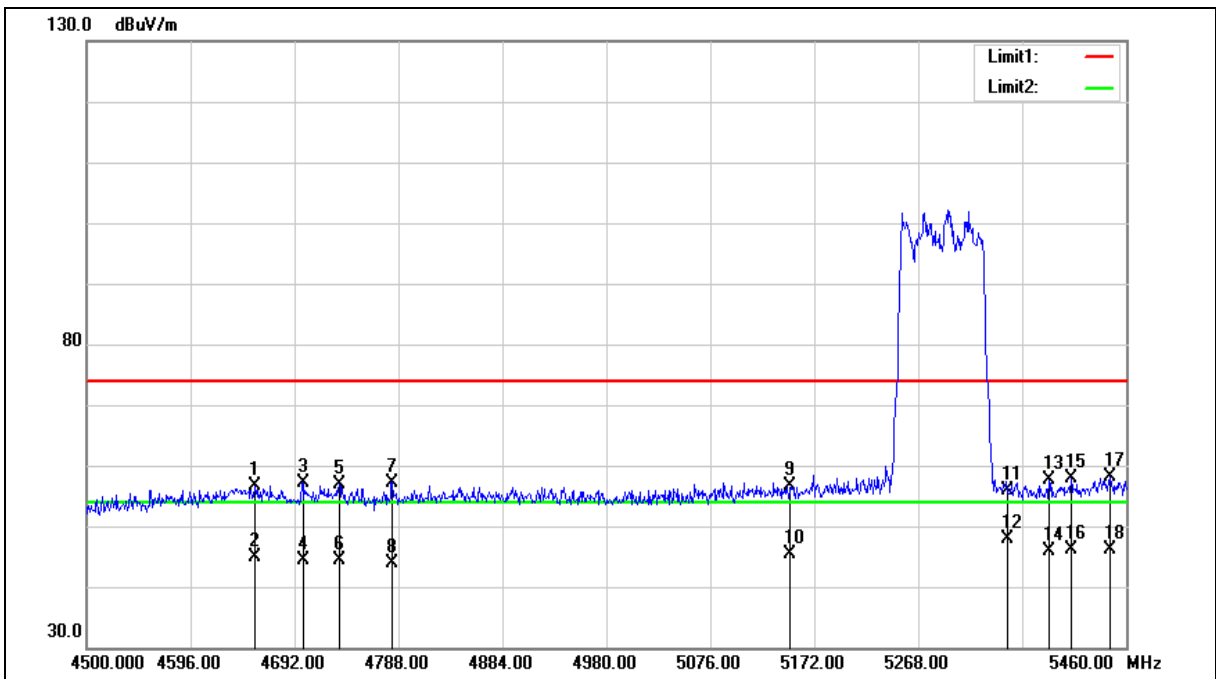
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4655.520	51.52	5.02	56.54	74.00	-17.46	peak
2	4655.520	39.74	5.02	44.76	54.00	-9.24	AVG
3	4699.680	51.97	5.11	57.08	74.00	-16.92	peak
4	4699.680	39.15	5.11	44.26	54.00	-9.74	AVG
5	4733.280	51.69	5.19	56.88	74.00	-17.12	peak
6	4733.280	39.27	5.19	44.46	54.00	-9.54	AVG
7	4782.240	51.97	5.28	57.25	74.00	-16.75	peak
8	4782.240	38.55	5.28	43.83	54.00	-10.17	AVG
9	5150.000	50.56	6.07	56.63	74.00	-17.37	peak
10	5150.000	39.34	6.07	45.41	54.00	-8.59	AVG
11	5350.000	49.33	6.52	55.85	74.00	-18.15	peak
12	5350.000	41.41	6.52	47.93	54.00	-6.07	AVG
13	5388.960	50.97	6.61	57.58	74.00	-16.42	peak
14	5388.960	39.26	6.61	45.87	54.00	-8.13	AVG
15	5409.120	51.18	6.65	57.83	74.00	-16.17	peak
16	5409.120	39.60	6.65	46.25	54.00	-7.75	AVG
17	5445.600	51.36	6.74	58.10	74.00	-15.90	peak
18	5445.600	39.48	6.74	46.22	54.00	-7.78	AVG

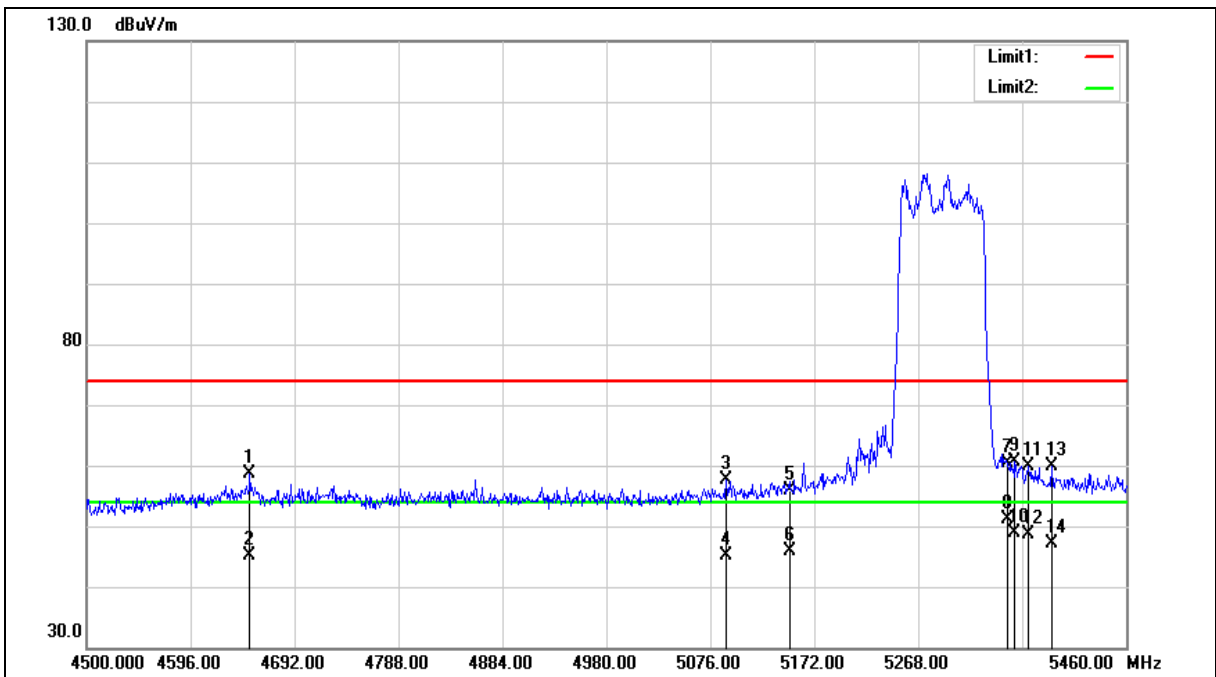
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.720	53.74	5.01	58.75	74.00	-15.25	peak
2	4650.720	40.12	5.01	45.13	54.00	-8.87	AVG
3	5090.400	51.62	5.94	57.56	74.00	-16.44	peak
4	5090.400	39.07	5.94	45.01	54.00	-8.99	AVG
5	5150.000	49.86	6.07	55.93	74.00	-18.07	peak
6	5150.000	39.77	6.07	45.84	54.00	-8.16	AVG
7	5350.000	53.98	6.52	60.50	74.00	-13.50	peak
8	5350.000	44.60	6.52	51.12	54.00	-2.88	AVG
9	5357.280	54.12	6.53	60.65	74.00	-13.35	peak
10	5357.280	42.39	6.53	48.92	54.00	-5.08	AVG
11	5369.760	53.38	6.57	59.95	74.00	-14.05	peak
12	5369.760	42.13	6.57	48.70	54.00	-5.30	AVG
13	5390.880	53.31	6.61	59.92	74.00	-14.08	peak
14	5390.880	40.58	6.61	47.19	54.00	-6.81	AVG

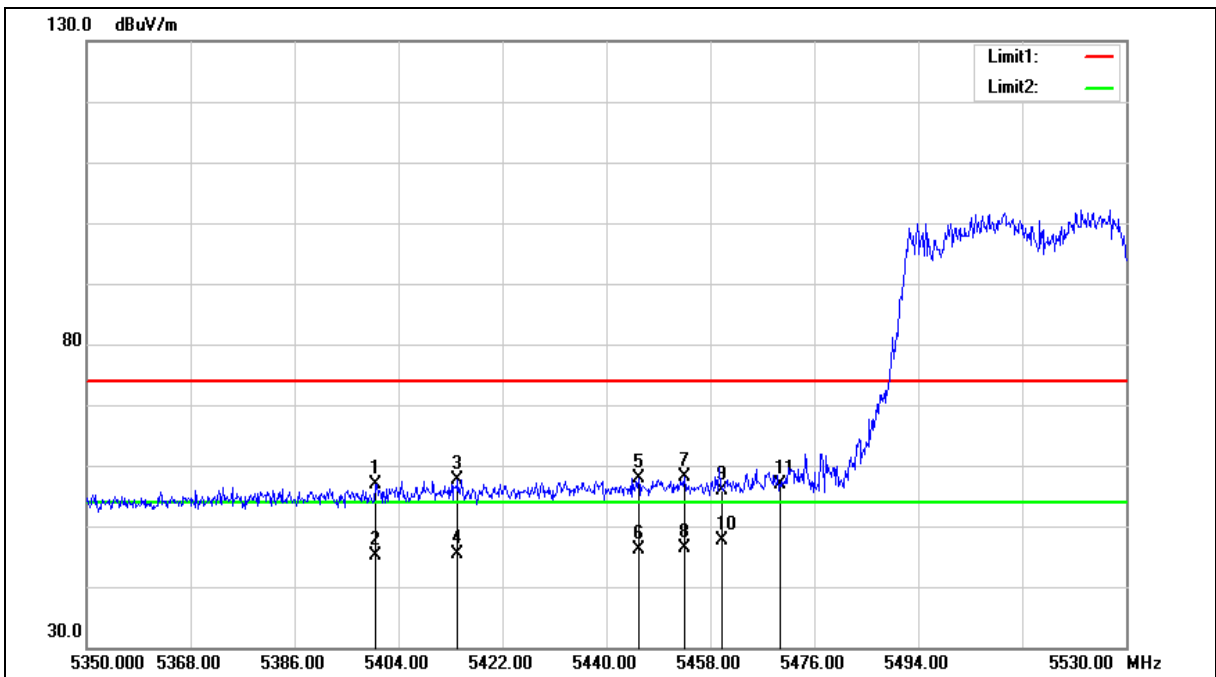
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5400.040	50.28	6.63	56.91	74.00	-17.09	peak
2	5400.040	38.57	6.63	45.20	54.00	-8.80	AVG
3	5414.260	51.02	6.67	57.69	74.00	-16.31	peak
4	5414.260	38.73	6.67	45.40	54.00	-8.60	AVG
5	5445.580	51.22	6.74	57.96	74.00	-16.04	peak
6	5445.580	39.49	6.74	46.23	54.00	-7.77	AVG
7	5453.500	51.46	6.76	58.22	74.00	-15.78	peak
8	5453.500	39.57	6.76	46.33	54.00	-7.67	AVG
9	5460.000	49.14	6.77	55.91	74.00	-18.09	peak
10	5460.000	40.84	6.77	47.61	54.00	-6.39	AVG
11	5470.000	50.01	6.80	56.81	68.20	-11.39	peak

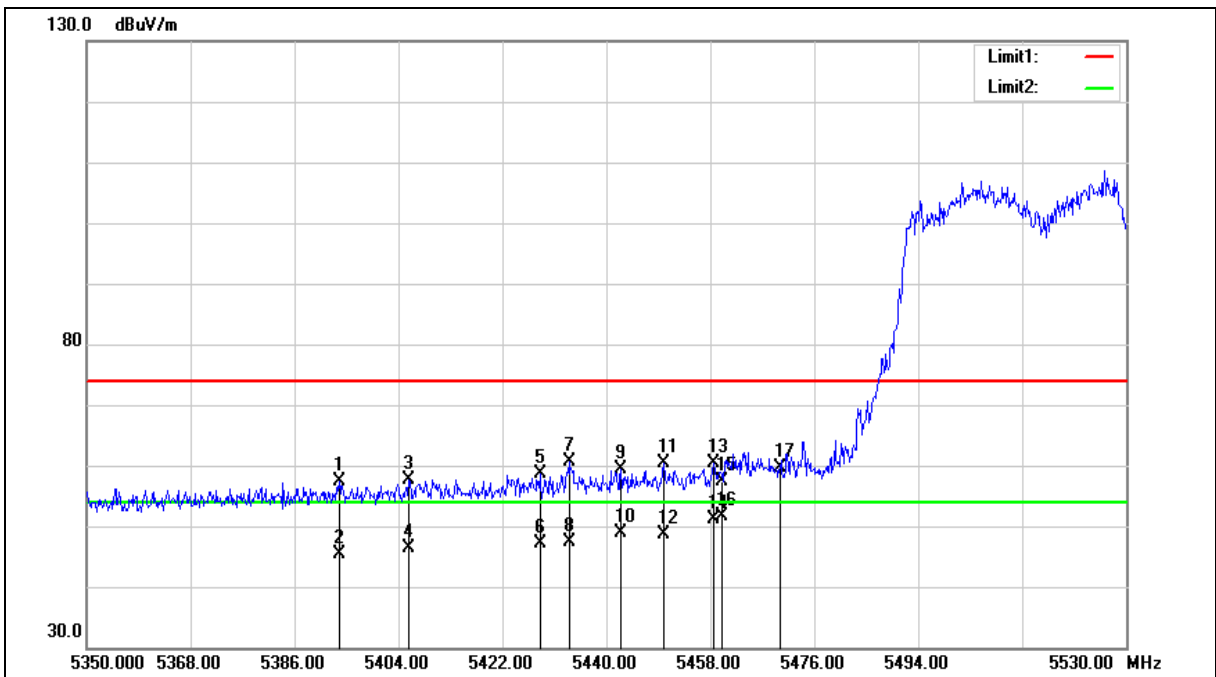
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		





Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5393.740	50.85	6.62	57.47	74.00	-16.53	peak
2	5393.740	38.67	6.62	45.29	54.00	-8.71	AVG
3	5405.800	50.96	6.64	57.60	74.00	-16.40	peak
4	5405.800	39.75	6.64	46.39	54.00	-7.61	AVG
5	5428.480	52.00	6.70	58.70	74.00	-15.30	peak
6	5428.480	40.35	6.70	47.05	54.00	-6.95	AVG
7	5433.520	54.02	6.71	60.73	74.00	-13.27	peak
8	5433.520	40.57	6.71	47.28	54.00	-6.72	AVG
9	5442.520	52.53	6.74	59.27	74.00	-14.73	peak
10	5442.520	42.08	6.74	48.82	54.00	-5.18	AVG
11	5449.900	53.55	6.75	60.30	74.00	-13.70	peak
12	5449.900	41.91	6.75	48.66	54.00	-5.34	AVG
13	5458.540	53.69	6.77	60.46	74.00	-13.54	peak
14	5458.540	44.46	6.77	51.23	54.00	-2.77	AVG
15	5460.000	50.61	6.77	57.38	74.00	-16.62	peak
16	5460.000	44.87	6.77	51.64	54.00	-2.36	AVG
17	5470.000	52.83	6.80	59.63	68.20	-8.57	peak

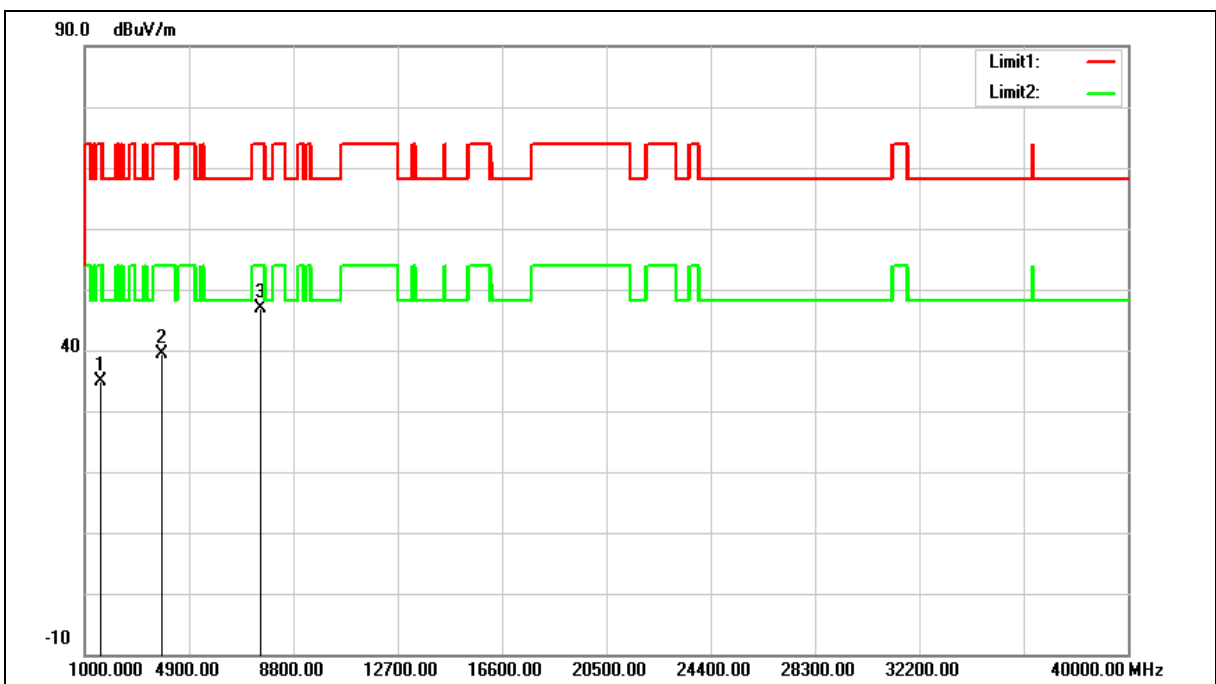
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1578.000	39.14	-4.31	34.83	74.00	-39.17	peak
2	3890.000	36.63	2.71	39.34	74.00	-34.66	peak
3	7579.000	33.92	12.90	46.82	74.00	-27.18	peak

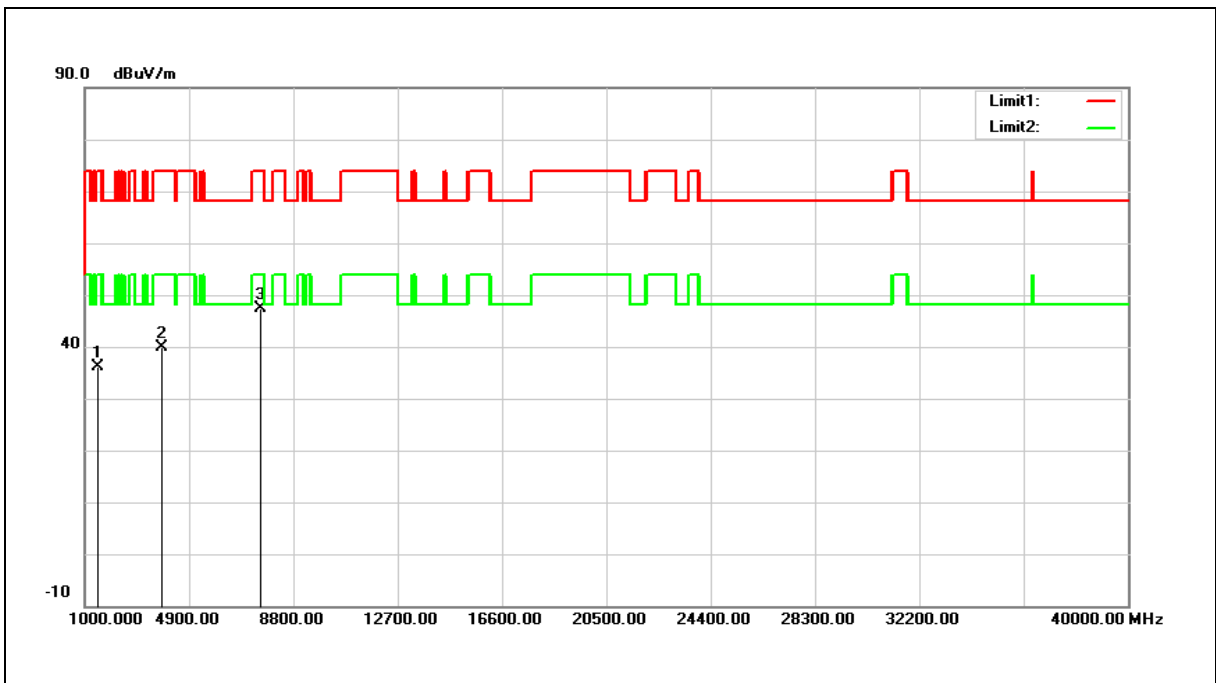
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1510.000	40.63	-4.58	36.05	74.00	-37.95	peak
2	3907.000	37.09	2.75	39.84	74.00	-34.16	peak
3	7579.000	34.51	12.90	47.41	74.00	-26.59	peak

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

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

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



Beamforming on

Below 1 GHz

Standard:		FCC Part 15.407		Test Distance:		3 m	
Test item:		Harmonic		Power:		AC 120 V/60 Hz	
Test Mode:		Mode 1		Temp.(°C)/Hum.(%RH):		26(°C)/60 %RH	
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
93.0500	38.49	-11.84	26.65	43.50	-16.85	QP	H
140.5800	36.81	-6.10	30.71	43.50	-12.79	QP	H
279.2900	30.62	-4.34	26.28	46.00	-19.72	QP	H
386.9600	30.13	-2.08	28.05	46.00	-17.95	QP	H
616.8500	31.08	2.76	33.84	46.00	-12.16	QP	H
867.1100	28.56	7.28	35.84	46.00	-10.16	QP	H
81.4100	43.37	-10.99	32.38	40.00	-7.62	QP	V
157.0700	40.38	-5.40	34.98	43.50	-8.52	QP	V
242.4300	33.75	-5.96	27.79	46.00	-18.21	QP	V
391.8100	30.76	-1.95	28.81	46.00	-17.19	QP	V
637.2200	28.00	3.06	31.06	46.00	-14.94	QP	V
913.6700	28.74	8.05	36.79	46.00	-9.21	QP	V

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

Example: 26.65=-11.84+38.49.

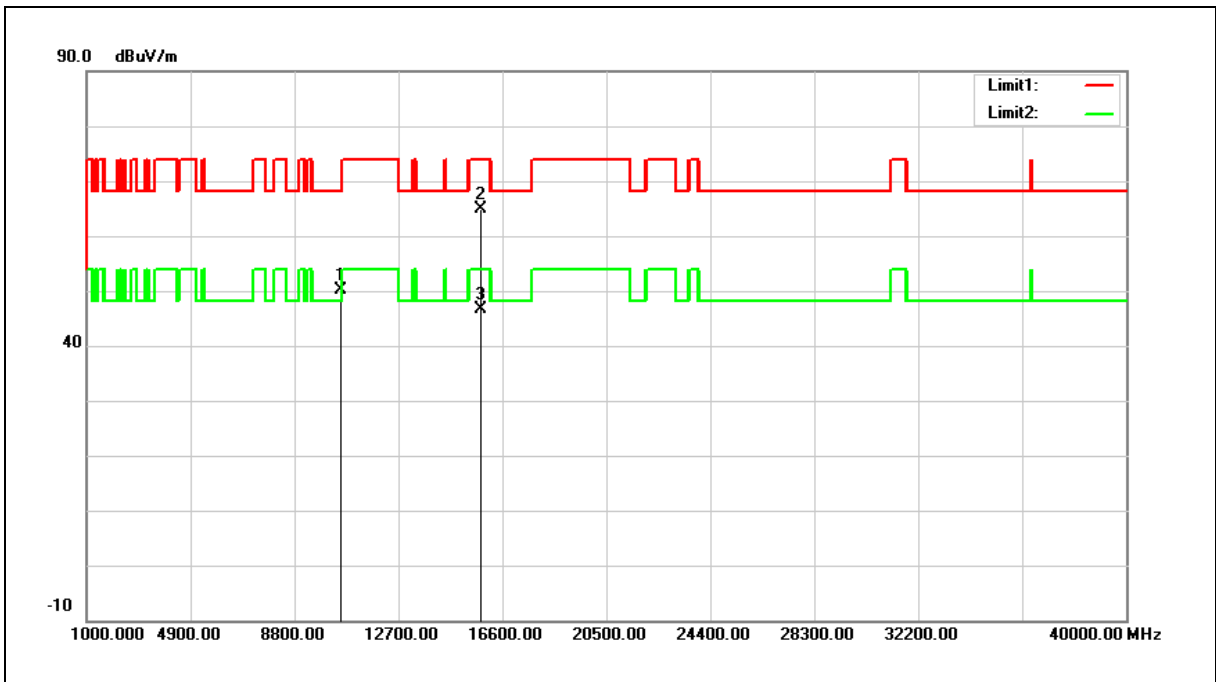
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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



Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	32.81	17.35	50.16	68.20	-18.04	peak
2	15780.000	46.47	18.41	64.88	74.00	-9.12	peak
3	15780.000	28.29	18.41	46.70	54.00	-7.30	AVG

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

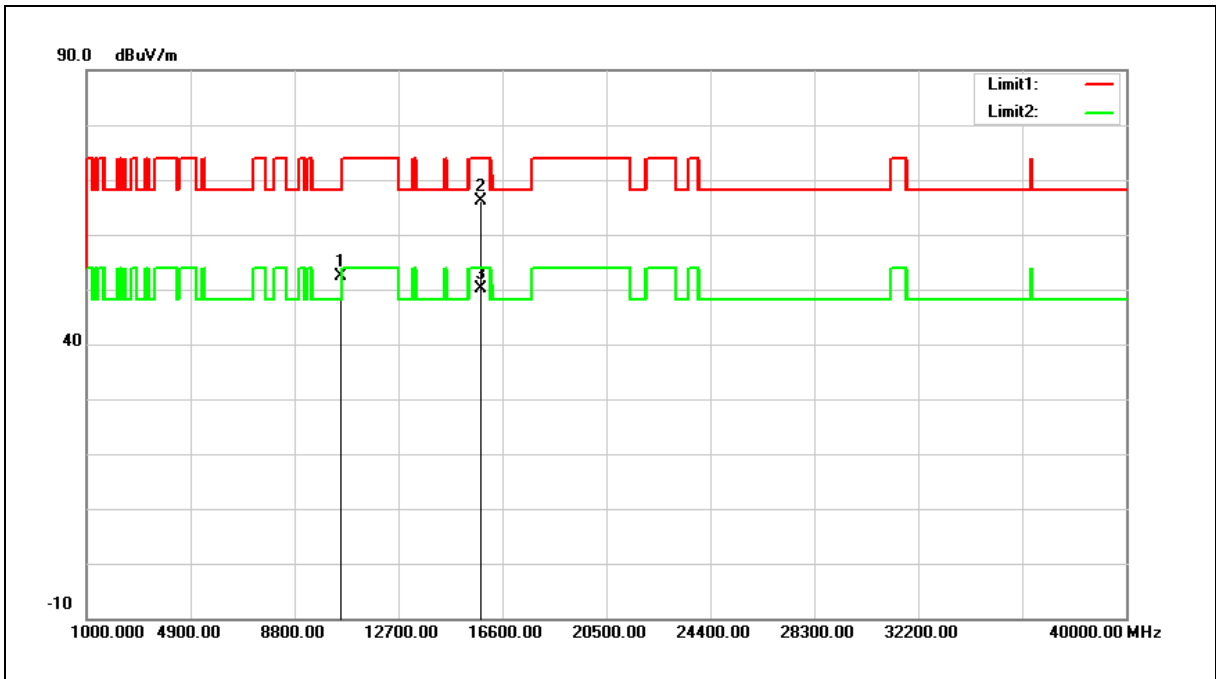
Example: 50.16=17.35+32.81.

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	35.13	17.35	52.48	68.20	-15.72	peak
2	15780.000	47.82	18.41	66.23	74.00	-7.77	peak
3	15780.000	31.75	18.41	50.16	54.00	-3.84	AVG

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

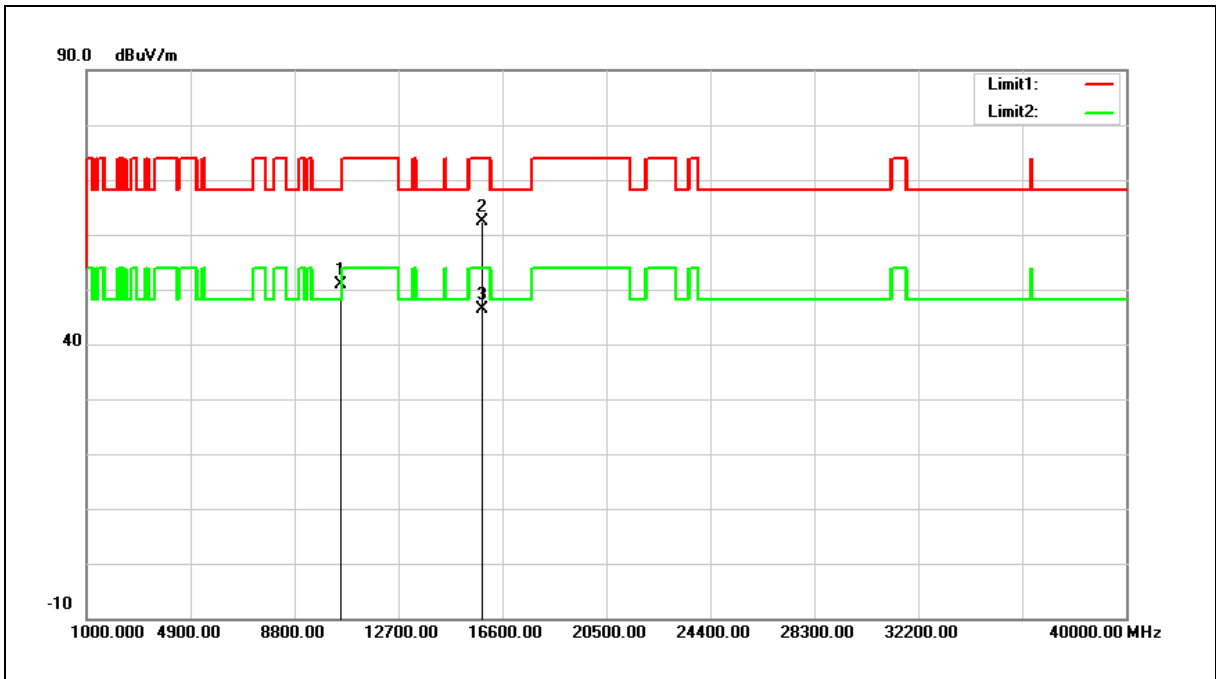
Example: 52.48=17.35+35.13.

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	33.50	17.44	50.94	68.20	-17.26	peak
2	15840.000	44.23	18.26	62.49	74.00	-11.51	peak
3	15840.000	28.07	18.26	46.33	54.00	-7.67	AVG

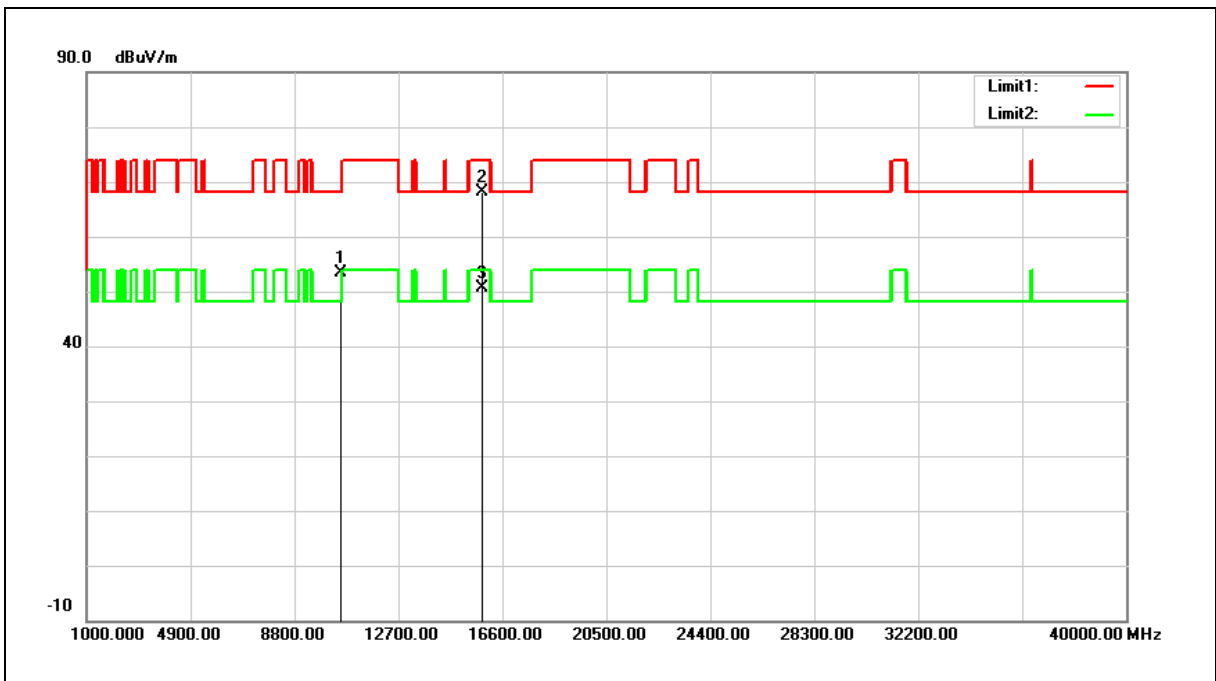
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	35.98	17.44	53.42	68.20	-14.78	peak
2	15840.000	49.90	18.26	68.16	74.00	-5.84	peak
3	15840.000	32.48	18.26	50.74	54.00	-3.26	AVG

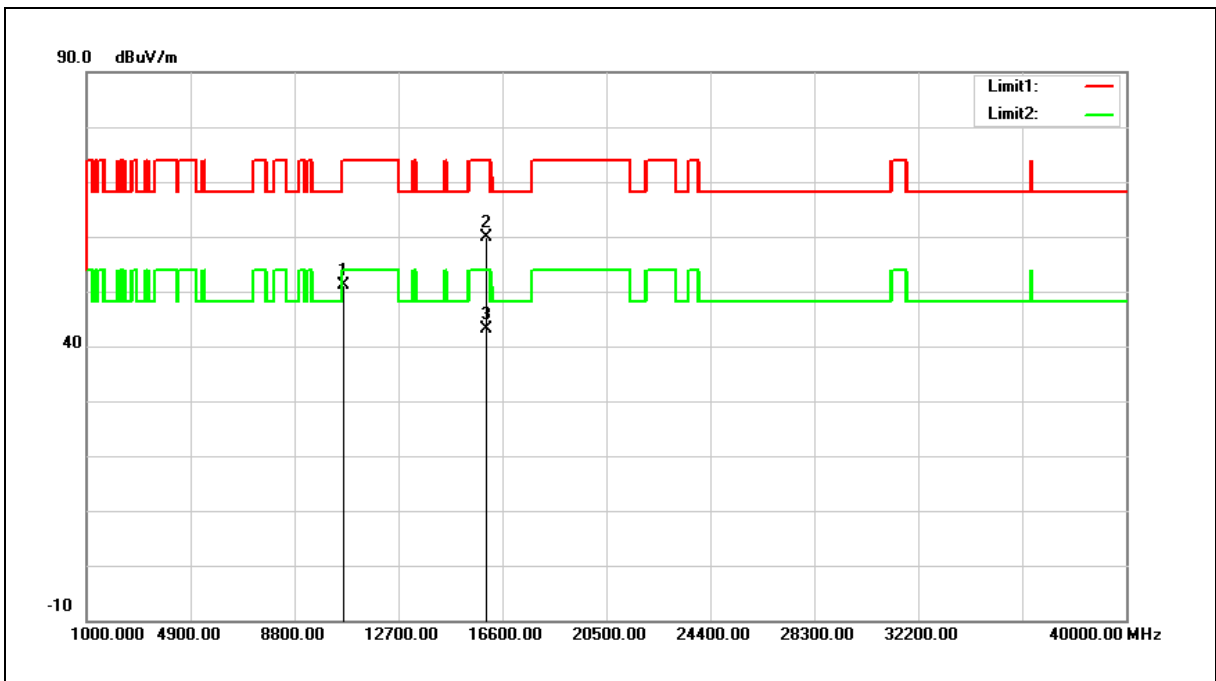
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	33.45	17.64	51.09	74.00	-22.91	peak
2	15960.000	41.82	17.95	59.77	74.00	-14.23	peak
3	15960.000	25.09	17.95	43.04	54.00	-10.96	AVG

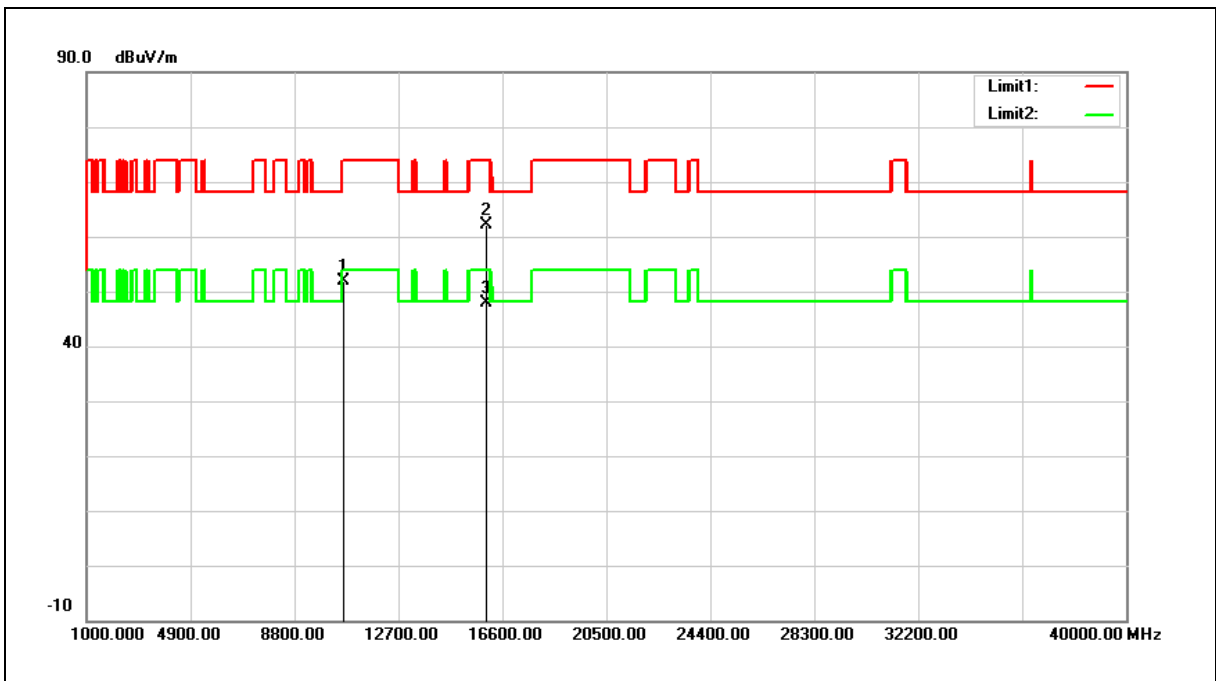
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	34.24	17.64	51.88	74.00	-22.12	peak
2	15960.000	44.20	17.95	62.15	74.00	-11.85	peak
3	15960.000	29.91	17.95	47.86	54.00	-6.14	AVG

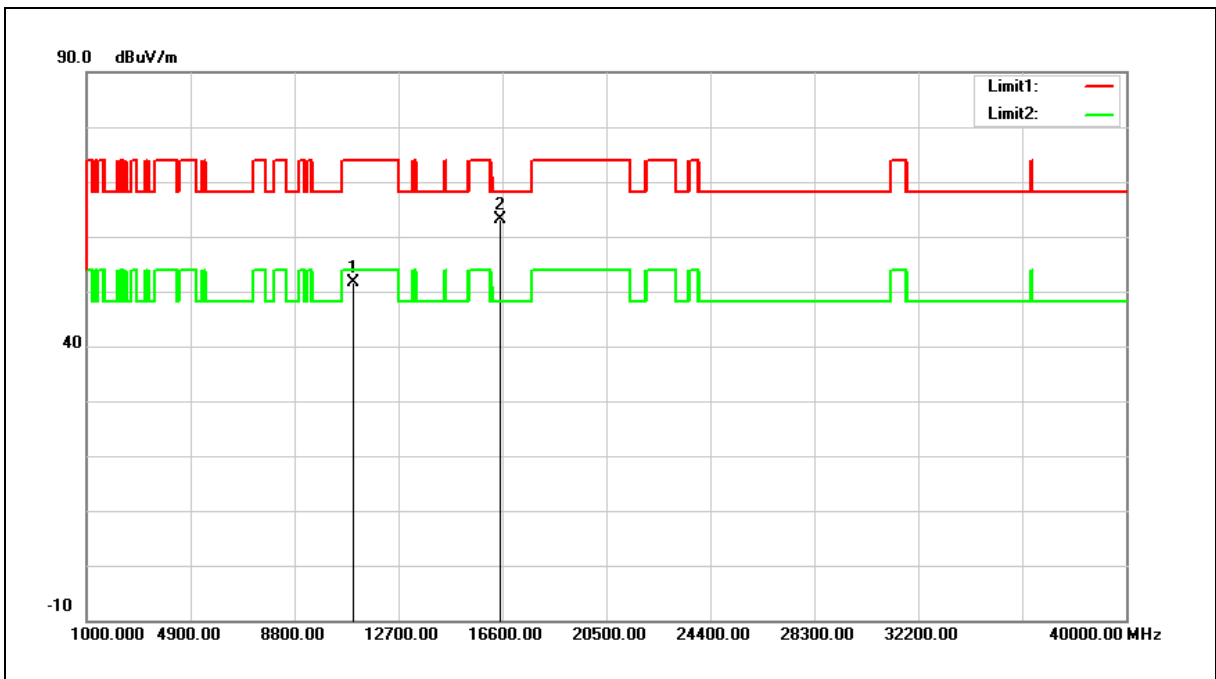
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	33.15	18.49	51.64	74.00	-22.36	peak
2	16500.000	42.45	20.78	63.23	68.20	-4.97	peak

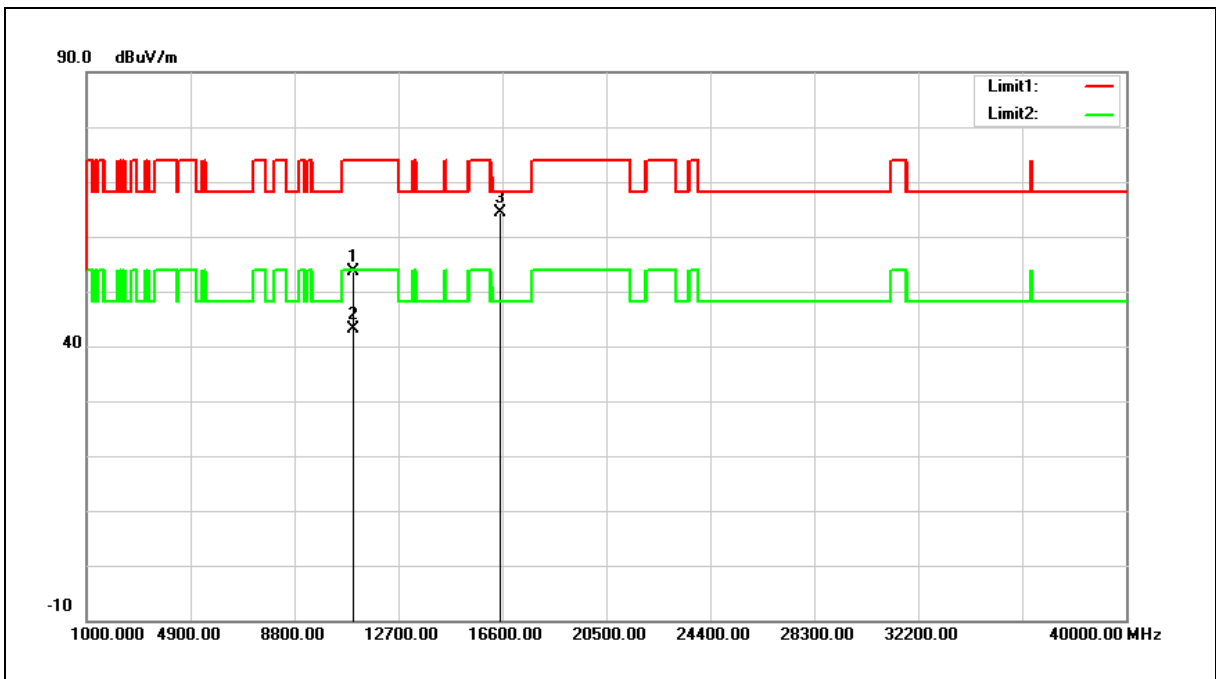
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	35.19	18.49	53.68	74.00	-20.32	peak
2	11000.000	24.70	18.49	43.19	54.00	-10.81	AVG
3	16500.000	43.61	20.78	64.39	68.20	-3.81	peak

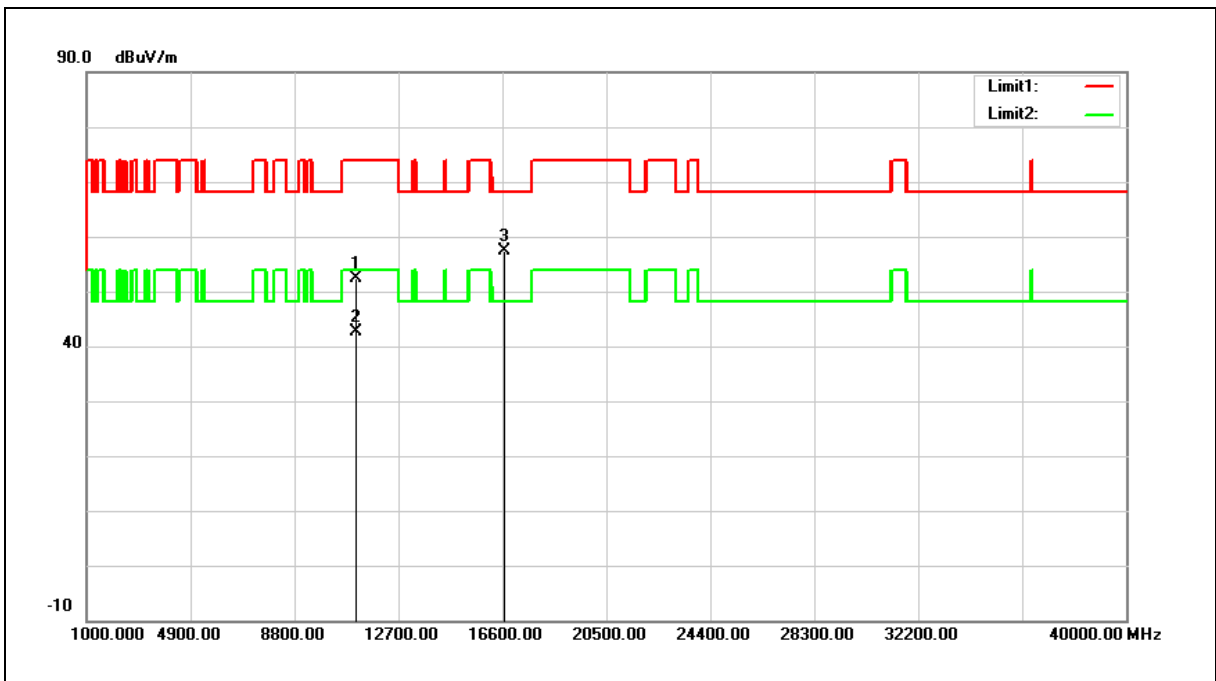
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

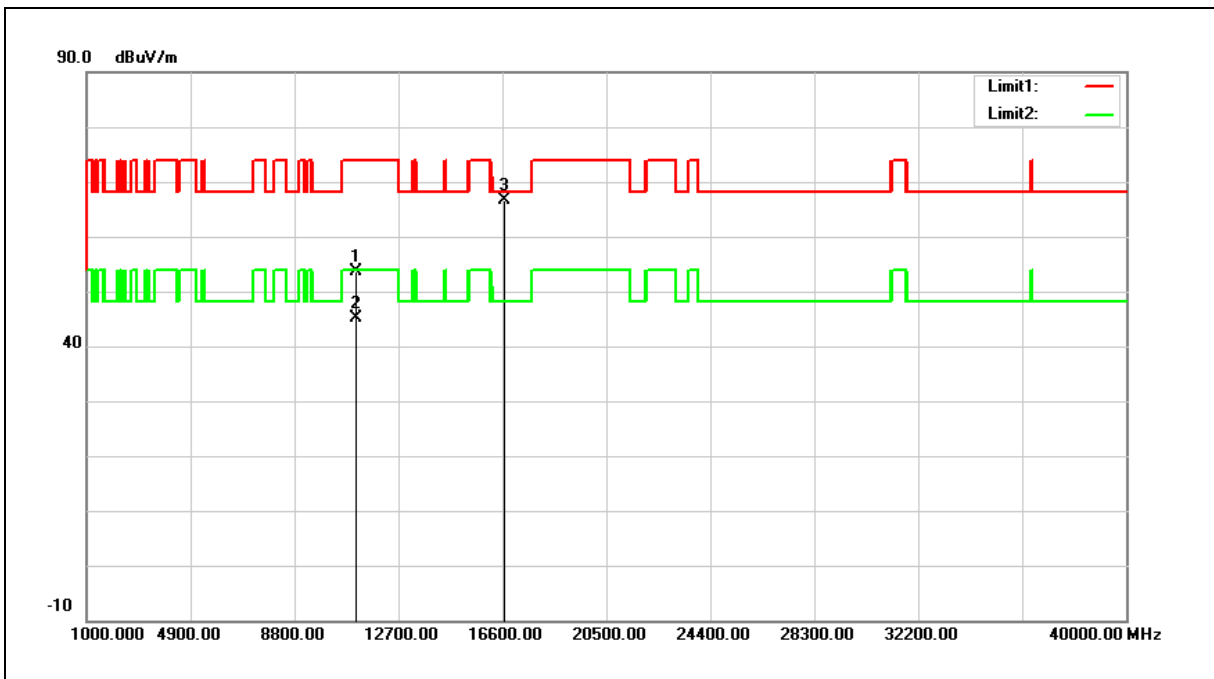


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	34.00	18.49	52.49	74.00	-21.51	peak
2	11120.000	24.25	18.49	42.74	54.00	-11.26	AVG
3	16680.000	35.67	21.66	57.33	68.20	-10.87	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).
 2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).
 3.When the peak results are less than average limit, so not need to evaluate the average.



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	35.25	18.49	53.74	74.00	-20.26	peak
2	11120.000	26.71	18.49	45.20	54.00	-8.80	AVG
3	16680.000	44.86	21.66	66.52	68.20	-1.68	peak

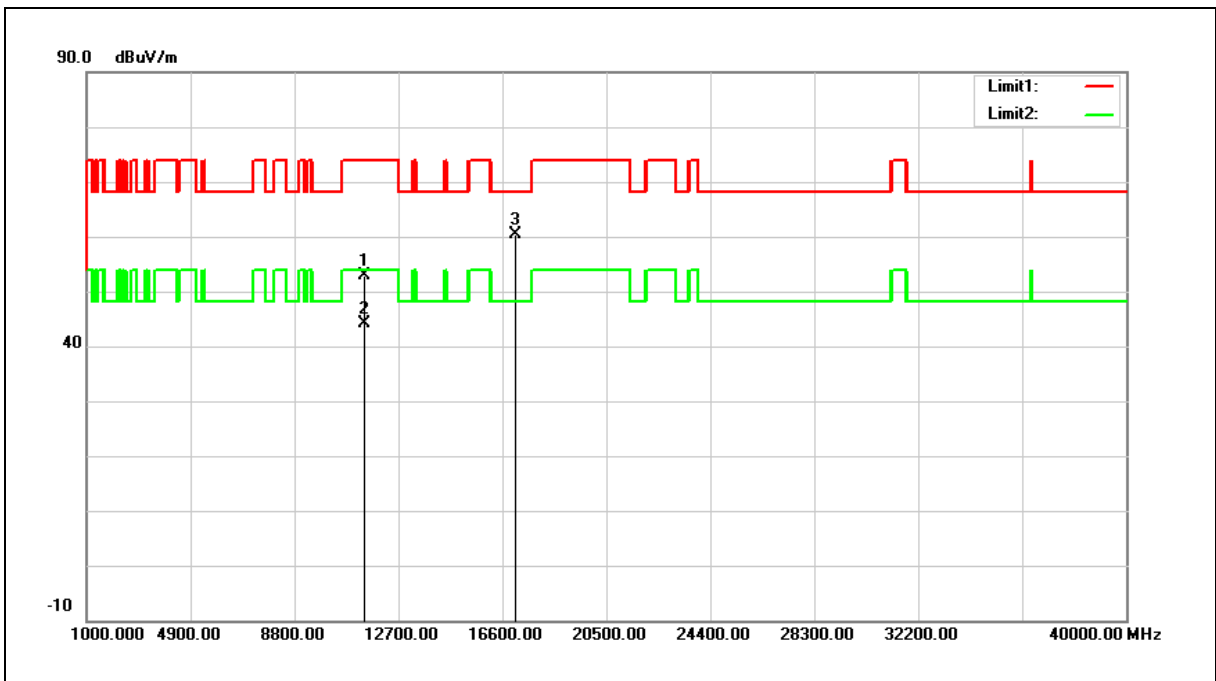
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	34.53	18.46	52.99	74.00	-21.01	peak
2	11400.000	25.71	18.46	44.17	54.00	-9.83	AVG
3	17100.000	36.80	23.62	60.42	68.20	-7.78	peak

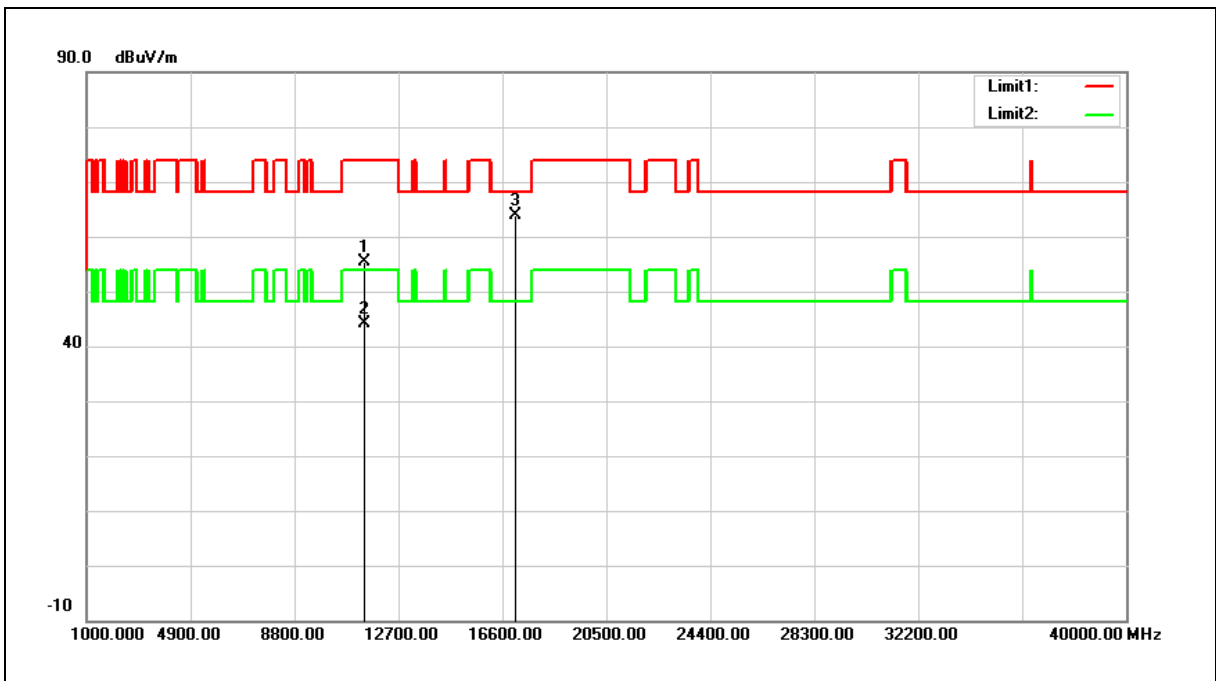
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	36.80	18.46	55.26	74.00	-18.74	peak
2	11400.000	25.66	18.46	44.12	54.00	-9.88	AVG
3	17100.000	40.34	23.62	63.96	68.20	-4.24	peak

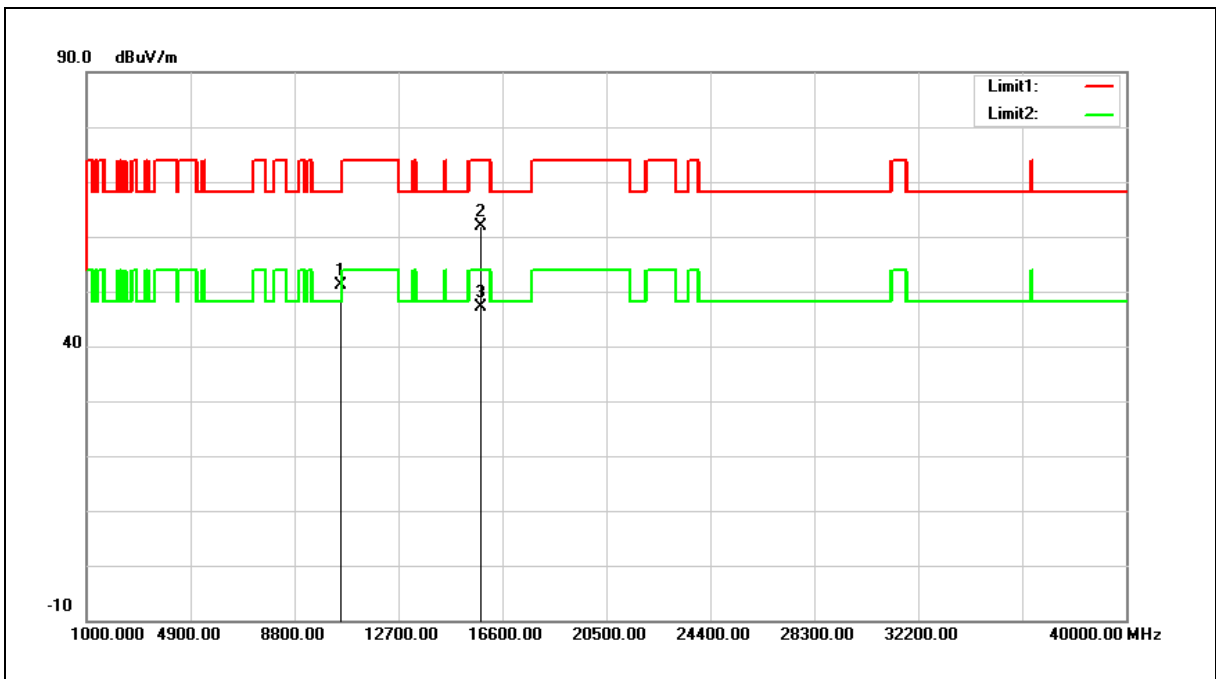
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	33.68	17.41	51.09	68.20	-17.11	peak
2	15810.000	43.54	18.34	61.88	74.00	-12.12	peak
3	15810.000	28.76	18.34	47.10	54.00	-6.90	AVG

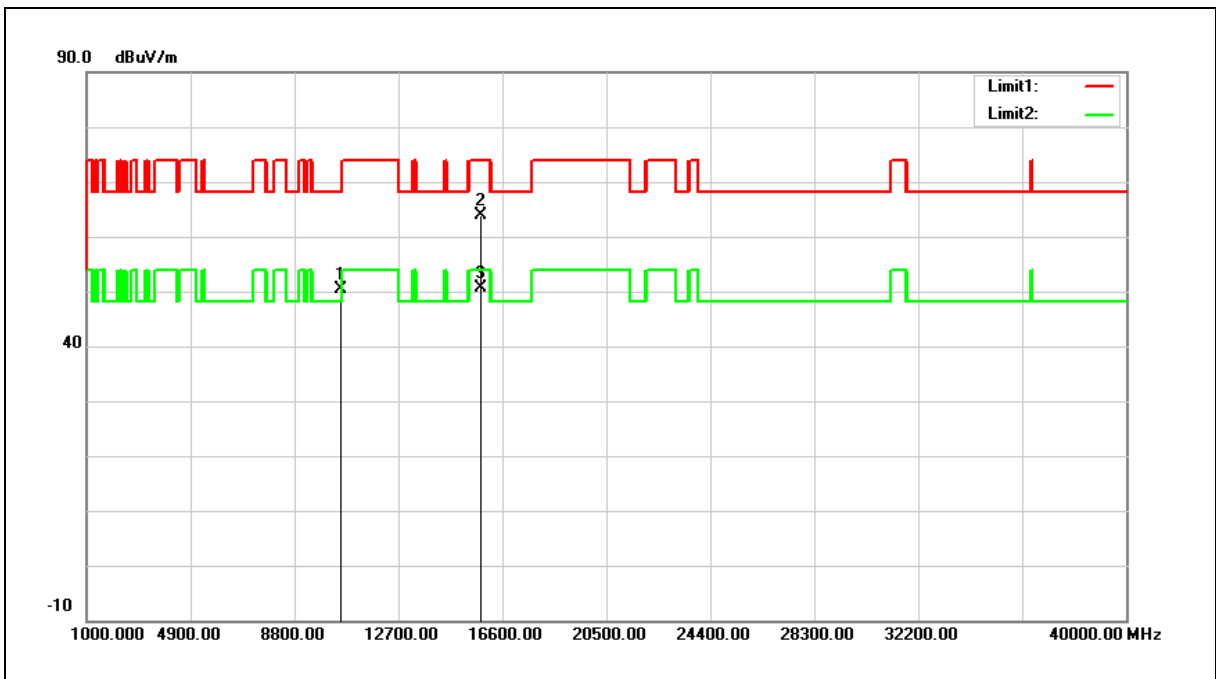
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	32.88	17.41	50.29	68.20	-17.91	peak
2	15810.000	45.47	18.34	63.81	74.00	-10.19	peak
3	15810.000	32.17	18.34	50.51	54.00	-3.49	AVG

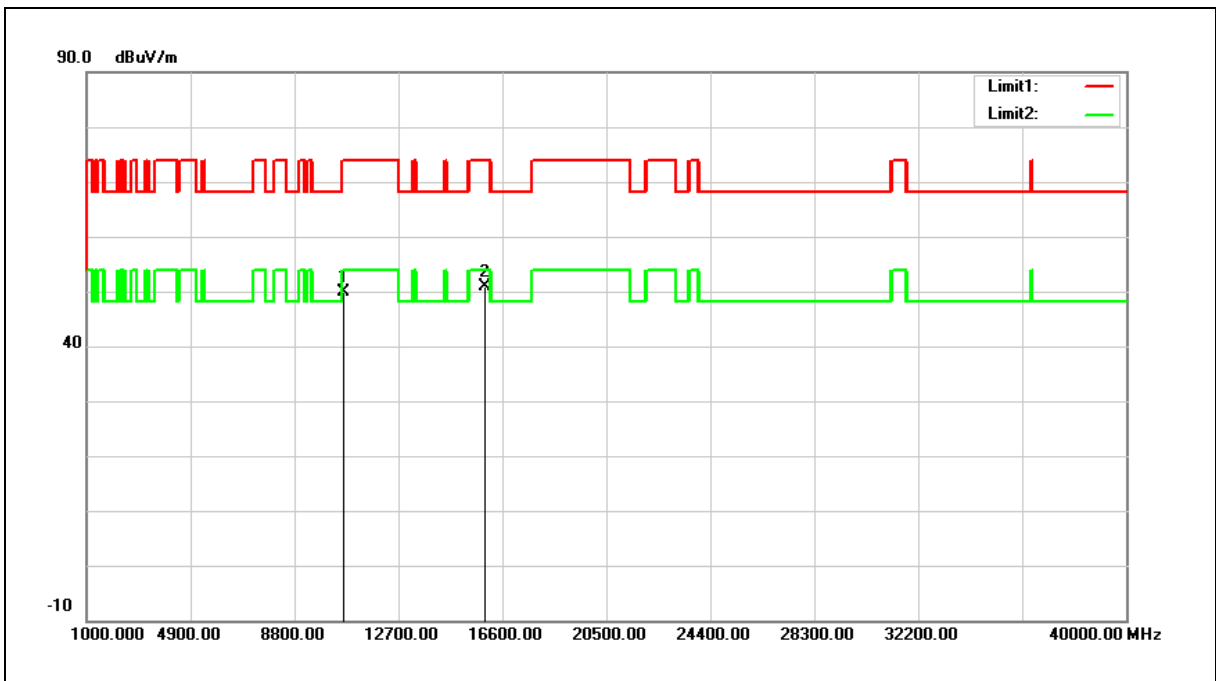
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	32.17	17.59	49.76	74.00	-24.24	peak
2	15930.000	32.75	18.03	50.78	74.00	-23.22	peak

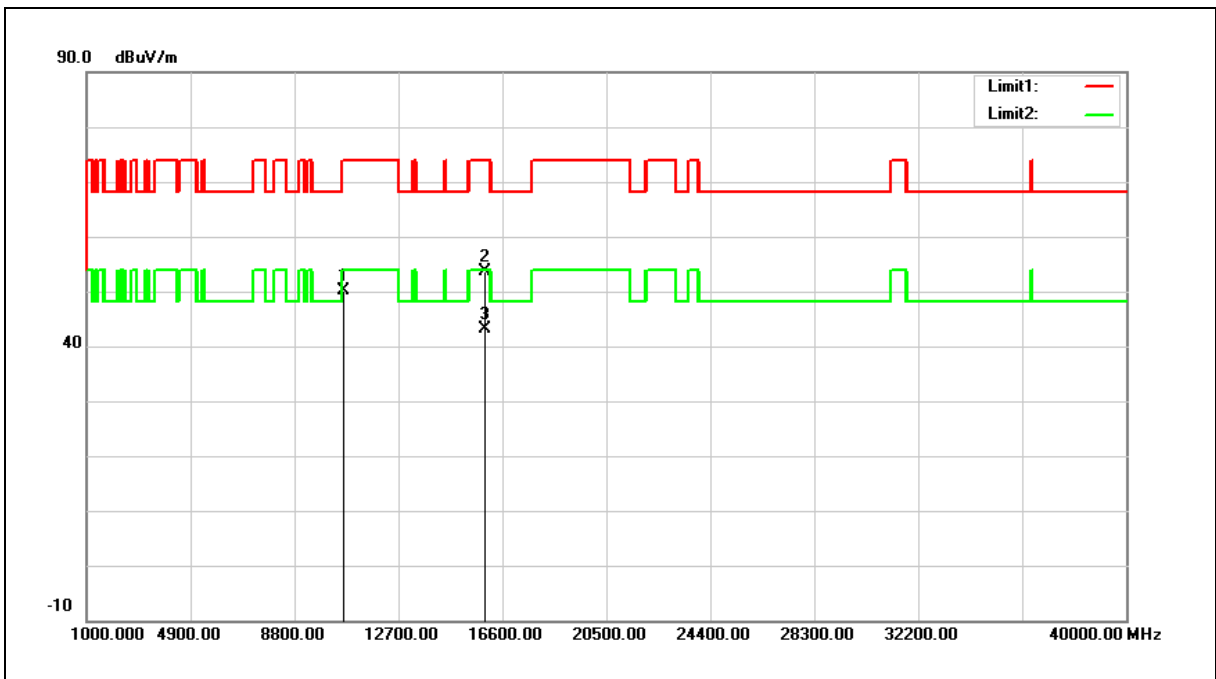
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	32.61	17.59	50.20	74.00	-23.80	peak
2	15930.000	35.67	18.03	53.70	74.00	-20.30	peak
3	15930.000	25.06	18.03	43.09	54.00	-10.91	AVG

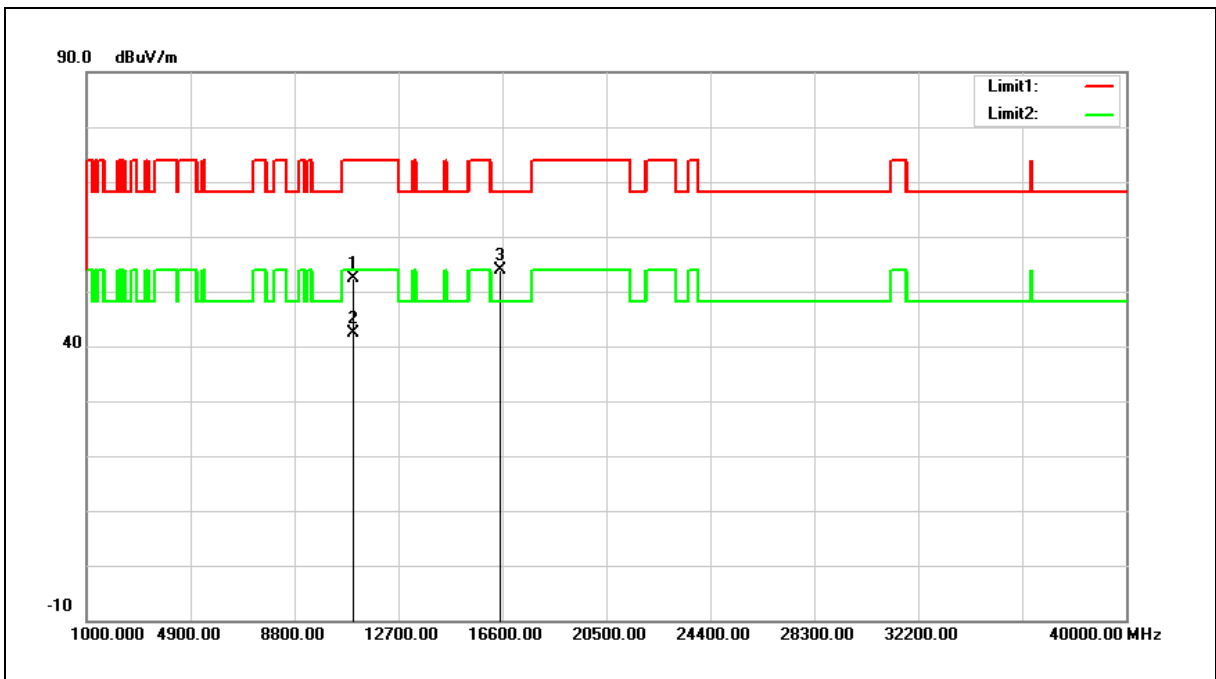
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	33.98	18.50	52.48	74.00	-21.52	peak
2	11020.000	23.90	18.50	42.40	54.00	-11.60	AVG
3	16530.000	32.94	20.92	53.86	68.20	-14.34	peak

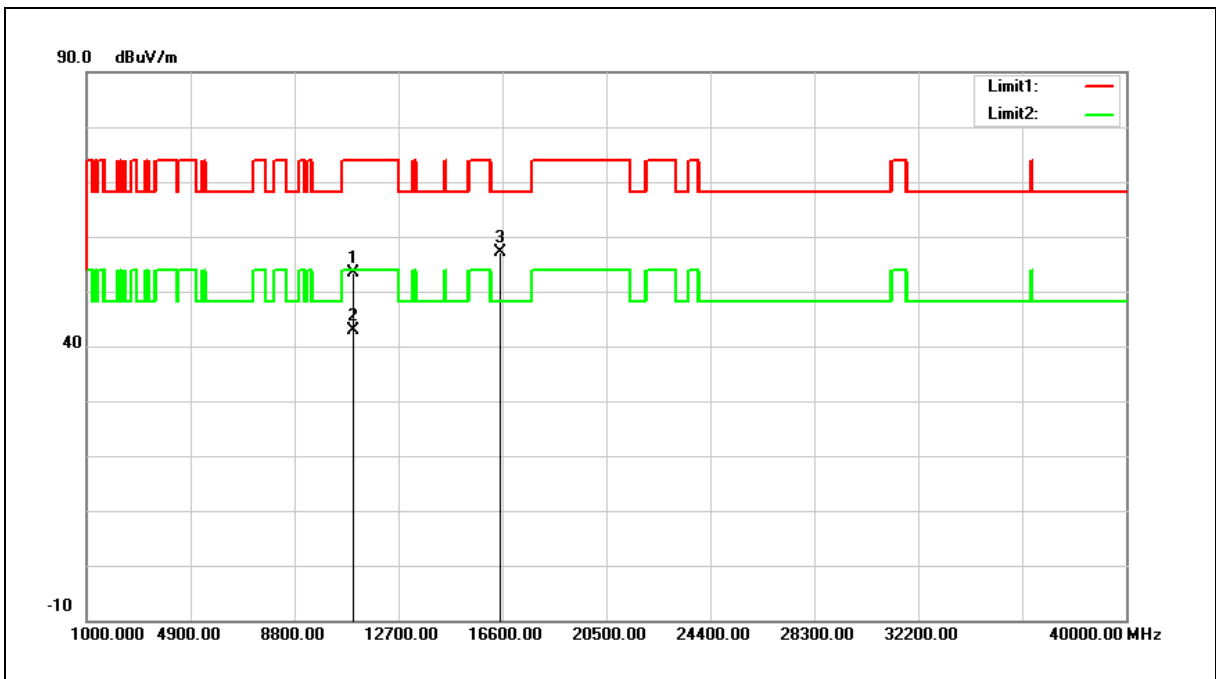
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	34.81	18.50	53.31	74.00	-20.69	peak
2	11020.000	24.27	18.50	42.77	54.00	-11.23	AVG
3	16530.000	36.16	20.92	57.08	68.20	-11.12	peak

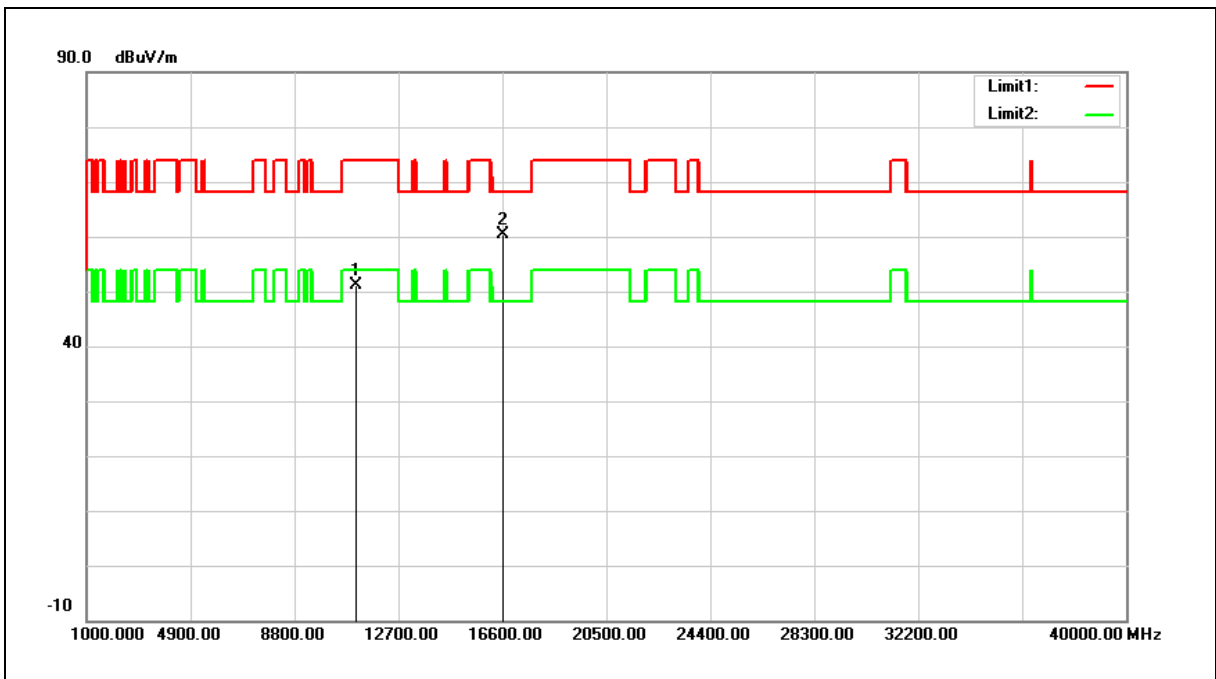
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

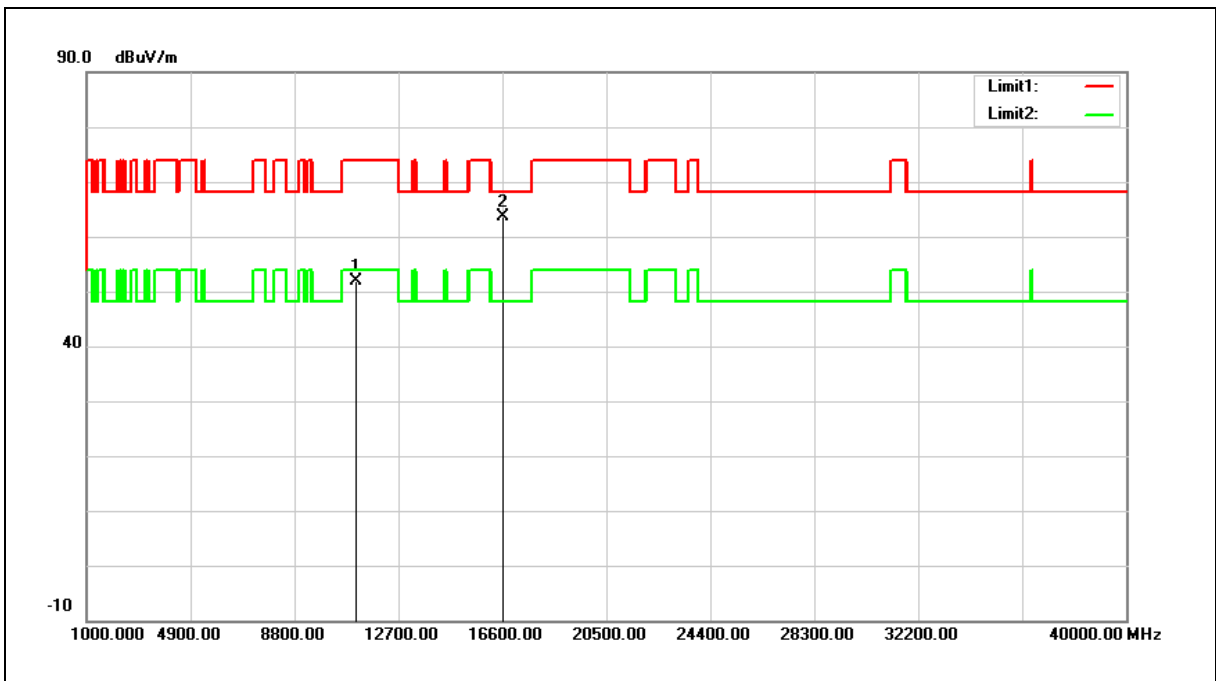


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	32.60	18.49	51.09	74.00	-22.91	peak
2	16650.000	38.94	21.51	60.45	68.20	-7.75	peak

- 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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	33.37	18.49	51.86	74.00	-22.14	peak
2	16650.000	42.19	21.51	63.70	68.20	-4.50	peak

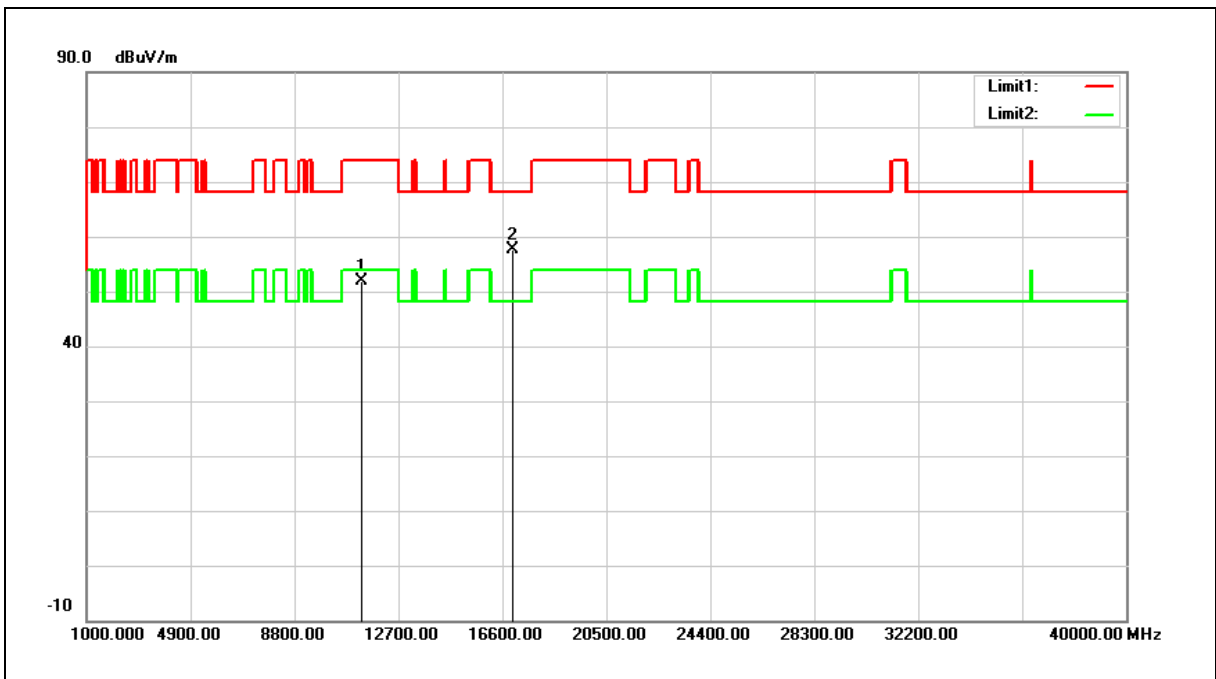
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



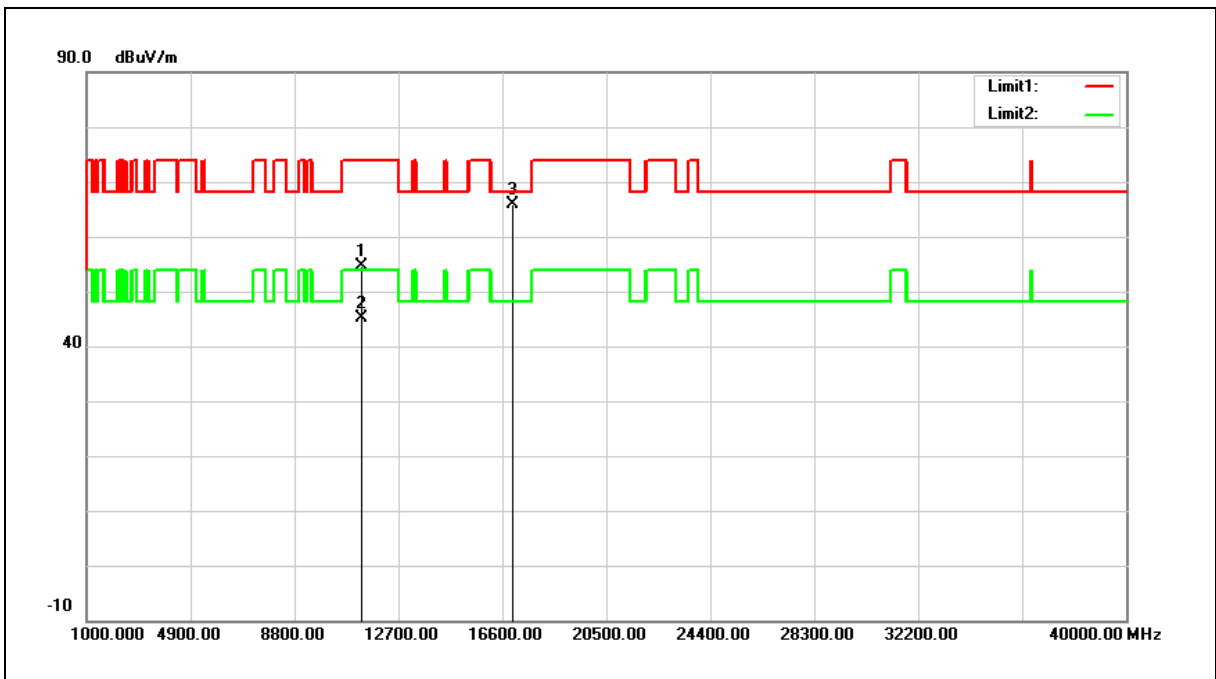
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	33.36	18.47	51.83	74.00	-22.17	peak
2	17010.000	34.36	23.26	57.62	68.20	-10.58	peak

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:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	36.04	18.47	54.51	74.00	-19.49	peak
2	11340.000	26.76	18.47	45.23	54.00	-8.77	AVG
3	17010.000	42.57	23.26	65.83	68.20	-2.37	peak

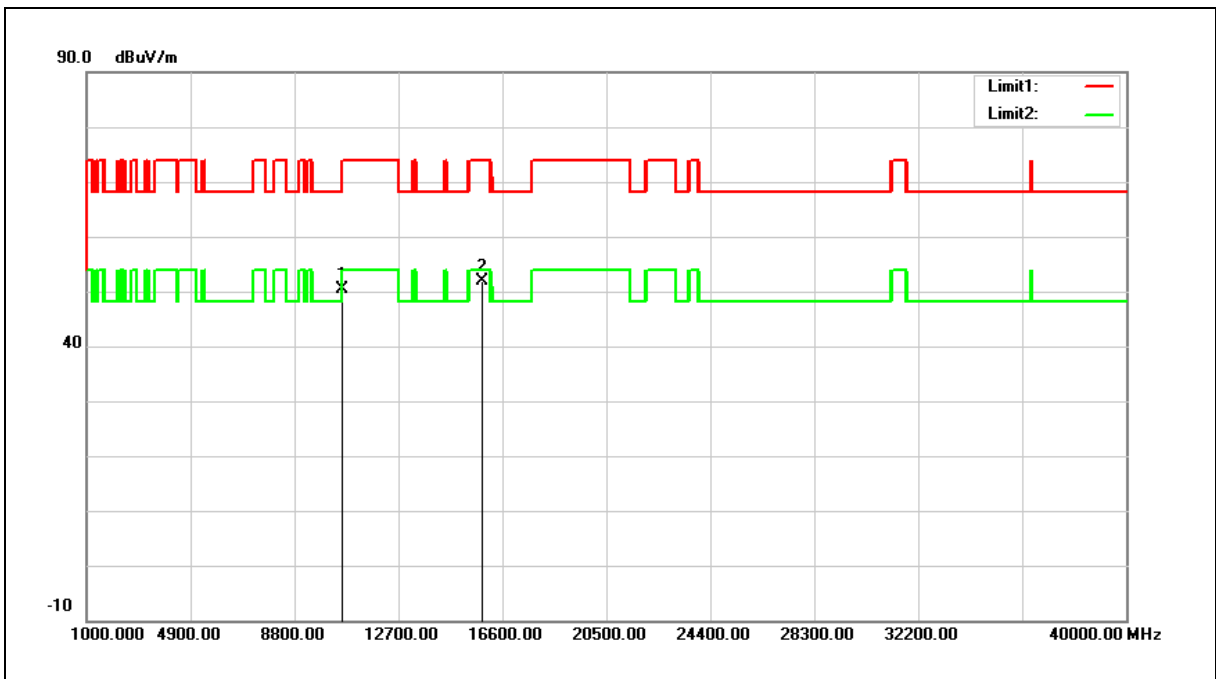
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

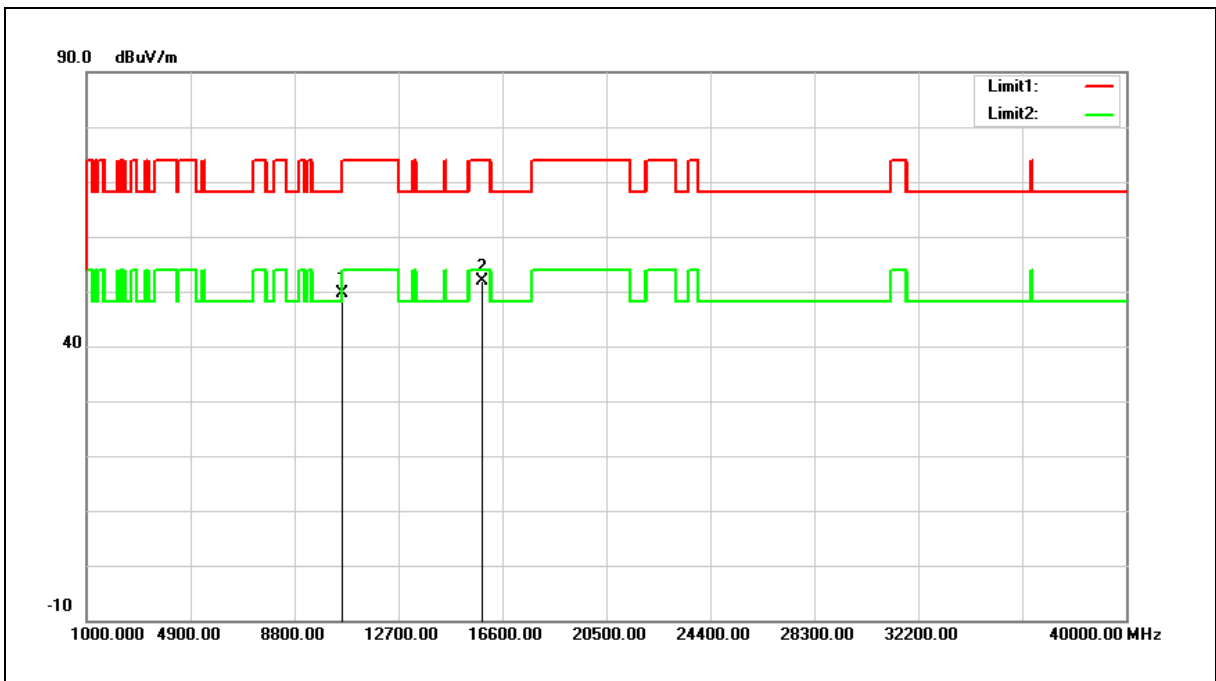


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	32.94	17.50	50.44	68.20	-17.76	peak
2	15870.000	33.70	18.19	51.89	74.00	-22.11	peak

- 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	Power:	AC 120 V/60 Hz
Frequency:	5290 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

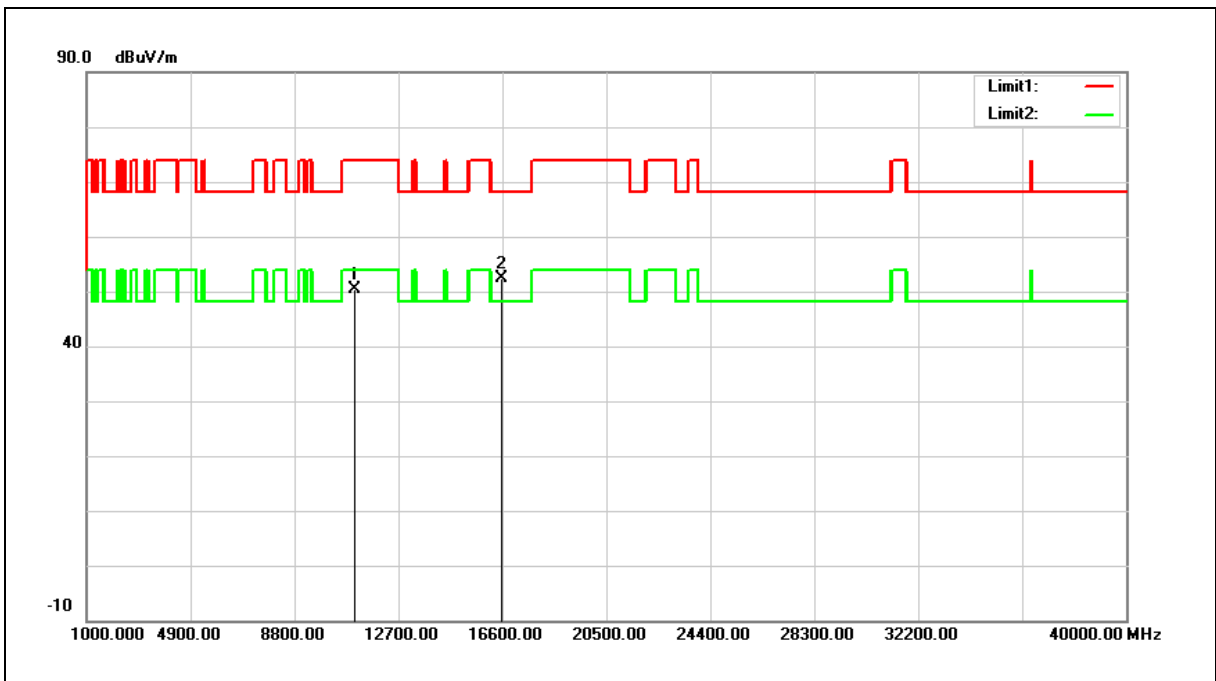


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	32.23	17.50	49.73	68.20	-18.47	peak
2	15870.000	33.69	18.19	51.88	74.00	-22.12	peak

- Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).
 2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).
 3.When the peak results are less than average limit, so not need to evaluate the average.



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	31.99	18.49	50.48	74.00	-23.52	peak
2	16590.000	31.25	21.21	52.46	68.20	-15.74	peak

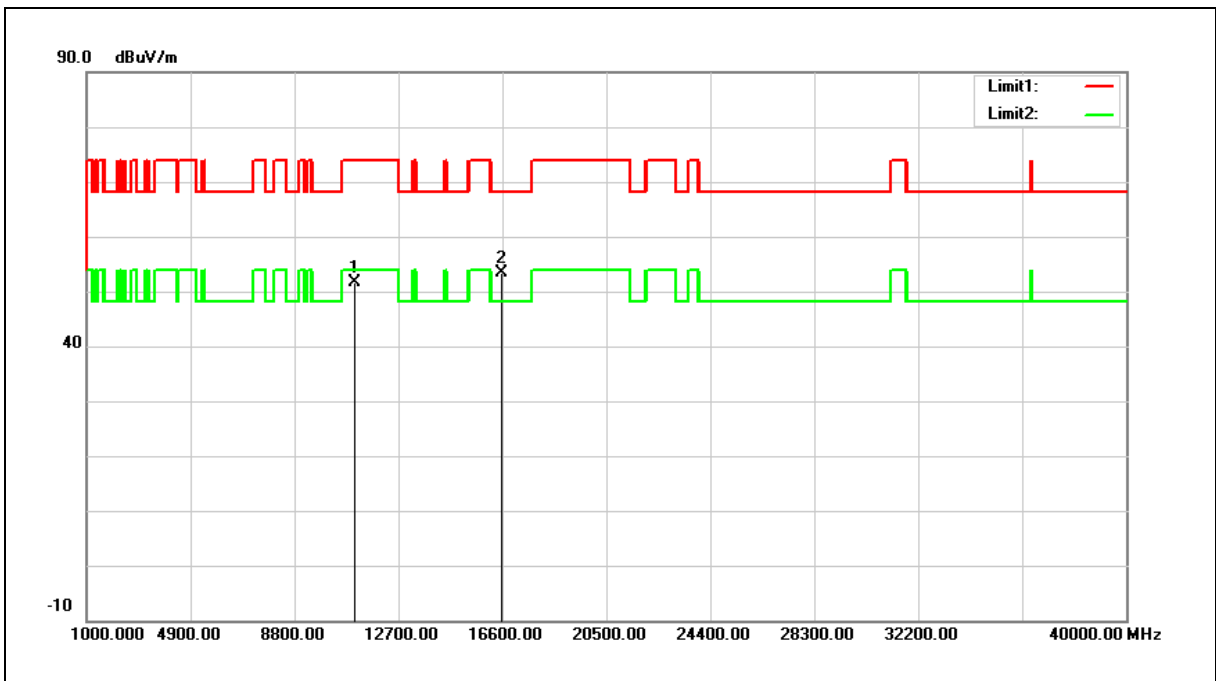
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	5530 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	33.13	18.49	51.62	74.00	-22.38	peak
2	16590.000	32.14	21.21	53.35	68.20	-14.85	peak

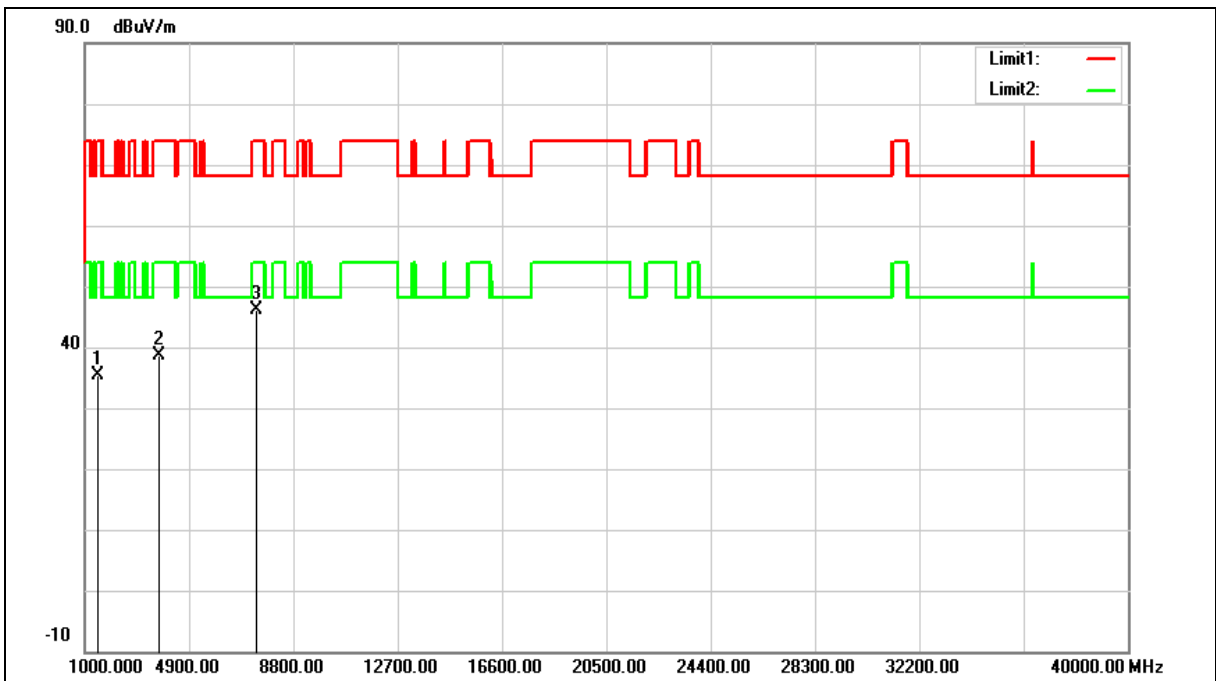
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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



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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1493.000	40.16	-4.67	35.49	74.00	-38.51	peak
2	3771.000	36.22	2.37	38.59	74.00	-35.41	peak
3	7443.000	33.52	12.53	46.05	74.00	-27.95	peak

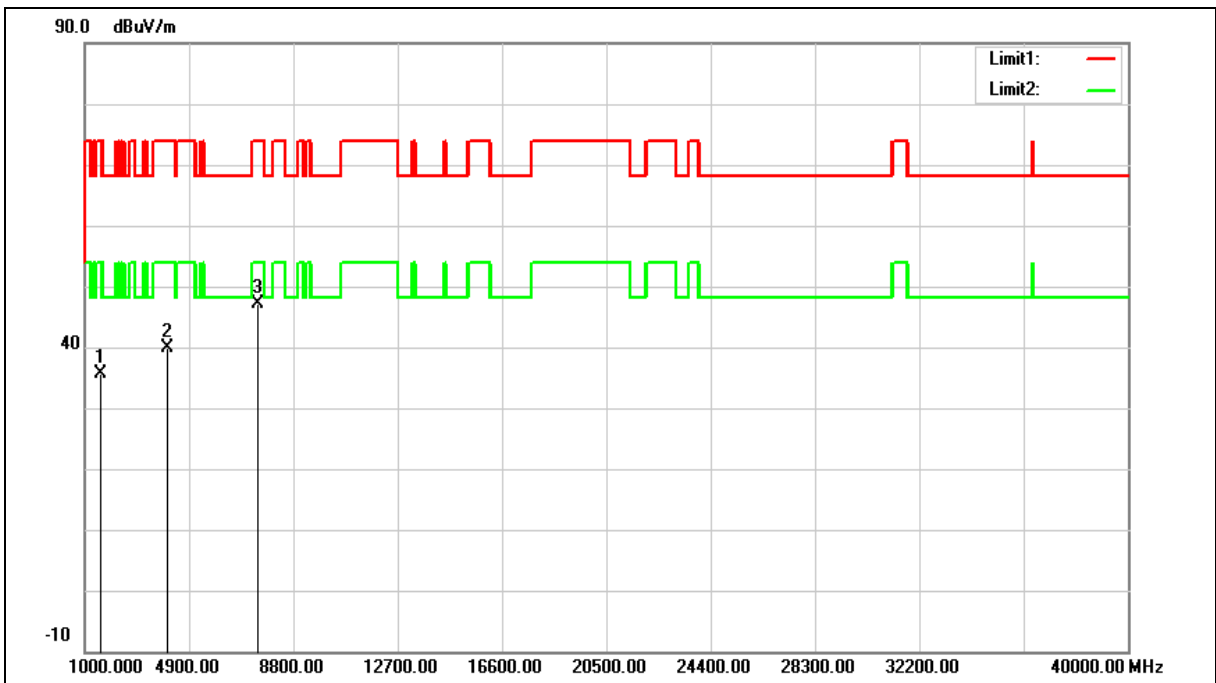
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1578.000	40.03	-4.31	35.72	74.00	-38.28	peak
2	4077.000	36.72	3.28	40.00	74.00	-34.00	peak
3	7477.000	34.60	12.63	47.23	74.00	-26.77	peak

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

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

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