FCC 47 CFR PART 15 SUBPART E

Applicant	:	Kpnetworks Ltd.
Product Type	:	Wireless Lan Access Point
Trade Name	:	Kpnetworks
Model Number	:	KPWL-0300
Test Specification	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Receive Date	:	Dec. 06, 2016
Test Period	:	Nov. 30, 2016 ~ Jan. 07, 2016
Issue Date	:	Jan. 23, 2017

Issue by

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

Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Jan. 09, 2017	Initial Issue	Snow Wang
01	Jan. 23, 2017	Revised report information.	Joyce Liao

Verification of Compliance

Issued Date: Jan. 23, 2017

Applicant	:	Kpnetworks Ltd.
Product Type	:	Wireless Lan Access Point
Trade Name	:	Kpnetworks
Model Number	:	KPWL-0300
FCC ID	:	2AGR9KPWL0300
EUT Rated Voltage	:	DC 48V, 1A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Test Result	:	Complied
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C) Tel：+86-3-2710188 / Fax：+86-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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

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1 General Information

1.1. Summary of Test Result

Standard FCC	Item	Result	Remark
15.407(b)(6) 15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Conducted Output Power	PASS	---
15.407(a)	26dB RF Bandwidth	Reference	---
15.407(e)	6dB RF Bandwidth	PASS	-----
15.407(a)	Peak Power Spectral Density	PASS	---
15.407(g)	Frequency Stability	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. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	9kHz ~ 150KHz	2.7
	150kHz ~ 30MHz	2.7
Radiated Emission	9kHz ~ 30MHz	1.7
	30MHz ~ 1000MHz	5.7
	1000MHz ~ 18000MHz	5.5
	18000MHz ~ 26500MHz	4.8
	26500MHz ~ 40000MHz	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	Kpnetworks Ltd. 4-5-11-10F Shiba, Minato-ku, Tokyo, 108-0014, Japan			
Manufacturer	Edimax Technology Co., Ltd. No. 3, Wu-Chun 3rd Road., Wuku District, New Taipei City 24891, Taiwan, R.O.C.			
Product Type	Wireless Lan Access Point			
Trade Name	Kpnetworks			
Model No.	KPWL-0300			
FCC ID	2AGR9KPWL0300			
Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels
	IEEE 802.11a	U-NII Band I	5180 – 5240	4
		U-NII Band III	5745 – 5825	5
	IEEE 802.11n 20 MHz / IEEE 802.11ac 20 MHz	U-NII Band I	5180 – 5240	4
		U-NII Band III	5745 – 5825	5
	IEEE 802.11n 40 MHz / IEEE 802.11ac 40 MHz	U-NII Band I	5190 – 5230	2
		U-NII Band III	5755 – 5795	2
	IEEE 802.11ac 80 MHz	U-NII Band I	5210	1
		U-NII Band III	5775	1
Modulation Type	OFDM			
Equipment Type	Indoor access point have (master / client) function			
Module use	QUALCOMM_QCA9984 (EW-7955MAC) QUALCOMM_QCA9990 (EW-7944MAC)			
Antenna information	Module : QCA9984 (EW-7955MAC)			
	Model	Type	Max. Gain (dBi)	Note
	C059-510348-A	External antenna (Reversed-SMA Connector)	6.0	For AP port_4TX
	M6060060P1D43602M	External antenna (Reversed-SMA Connector)	6.0	Quad Patct Antenna
	M6060060P23602NB	External antenna (Reversed-SMA Connector)	6.0	MIMO Patct Antenna
	SAA04-22008A	External antenna (Reversed-SMA Connector)	7.0	Omni Directional Antenna
	Module : QCA9990 (EW-7944MAC)			
	Model	Type	Max. Gain (dBi)	Note
	CO59-510347-A	External antenna (Reversed-SMA Connector)	6.0	For P-t-P Port_4TX
Antenna Delivery	IEEE 802.11a : 4TX + 4RX (CDD) IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz : 4TX + 4RX (MIMO)			
Frequency stability specification	± 20 ppm			

Module : QCA9984 (EW-7955MAC)		
Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.120
	U-NII Band III	0.020
IEEE 802.11ac 20 MHz	U-NII Band I	0.122
	U-NII Band III	0.023
IEEE 802.11ac 40 MHz	U-NII Band I	0.159
	U-NII Band III	0.033
IEEE 802.11ac 80 MHz	U-NII Band I	0.024
	U-NII Band III	0.061

Module : QCA9990 (EW-7944MAC)		
Master		
Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.145
	U-NII Band III	0.036
IEEE 802.11ac 20 MHz	U-NII Band I	0.201
	U-NII Band III	0.043
IEEE 802.11ac 40 MHz	U-NII Band I	0.237
	U-NII Band III	0.069
IEEE 802.11ac 80 MHz	U-NII Band I	0.229
	U-NII Band III	0.073
Client		
Frequency Band		RF Output Power (W)
IEEE 802.11a	U-NII Band I	0.038
IEEE 802.11ac 20 MHz	U-NII Band I	0.038
IEEE 802.11ac 40 MHz	U-NII Band I	0.060
IEEE 802.11ac 80 MHz	U-NII Band I	0.059

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: Continuous TX mode
Mode 2: IEEE 802.11a Link Mode
Mode 3: IEEE 802.11ac 20MHz Link Mode
Mode 4: IEEE 802.11ac 40MHz Link Mode
Mode 5: IEEE 802.11ac 80MHz Link 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 as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in normal link mode only.

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

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

Test Mode	Band	Data Rate	Test Channel
Mode 2	U-NII Band I	6M	36, 40, 44, 48
	U-NII Band III		149,153,157,161,165
Mode 3	U-NII Band I	26M	36, 40, 44, 48
	U-NII Band III		149,153,157,161,165
Mode 4	U-NII Band I	54M	38, 46
	U-NII Band III		151,159
Mode 5	U-NII Band I	117.2M	42
	U-NII Band III		155

Test combinations

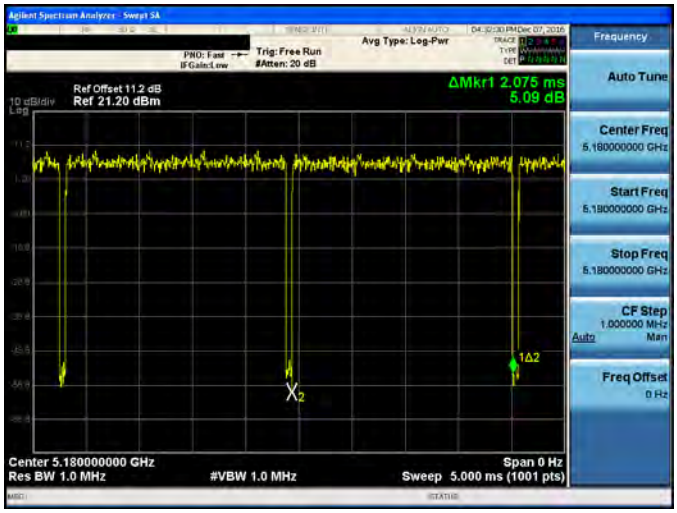
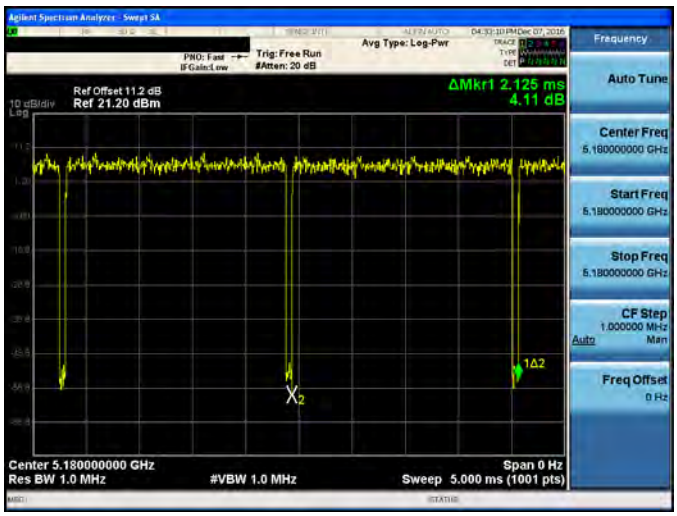
Model	Type	Max. Gain (dBi)
C059-510348-A	External antenna (Reversed-SMA Connector)	6.0
M6060060P1D43602M	External antenna (Reversed-SMA Connector)	6.0
M6060060P23602NB	External antenna (Reversed-SMA Connector)	6.0
SAA04-22008A	External antenna (Reversed-SMA Connector)	7.0
CO59-510347-A	External antenna (Reversed-SMA Connector)	6.0
AC Power Conducted Emission test combinations		
C059-510348-A+CO59-510347-A		
M6060060P23602NB+CO59-510347-A		
SAA04-22008A+CO59-510347-A		
Transmitter Radiated Emissions test combinations_ Module : QCA9984 (EW-7955MAC)_Master		
M6060060P23602NB		
SAA04-22008A		
Transmitter Radiated Emissions test combinations_ Module : QCA9990 (EW-7944MAC) _Master/Client		
CO59-510347-A		
Simultaneous Transmitting		
M6060060P23602NB+C059-510347-A		
SAA04-22008A+C059-510347-A		

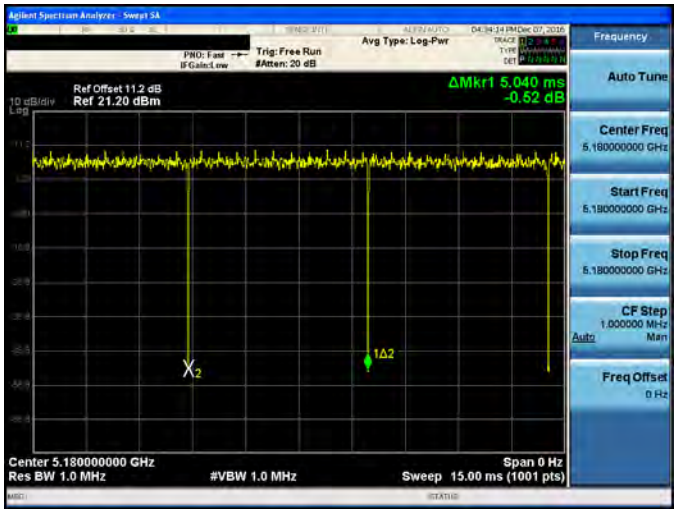
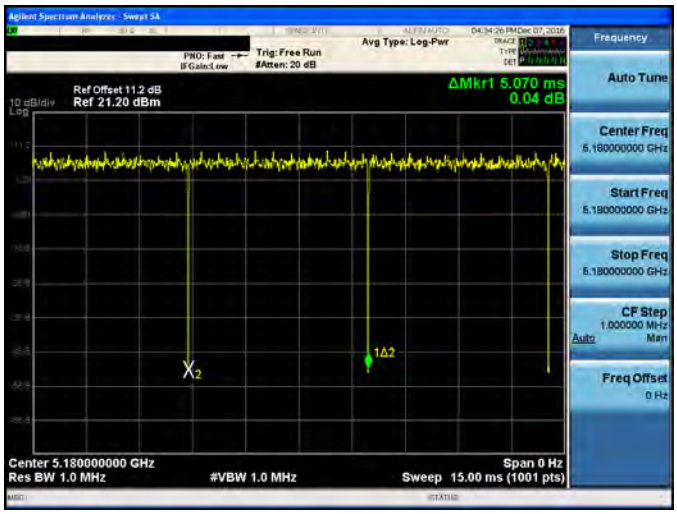
Duty cycle

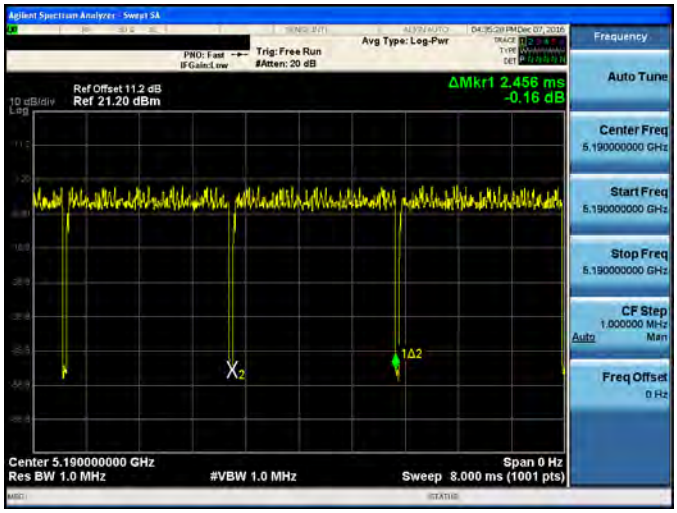
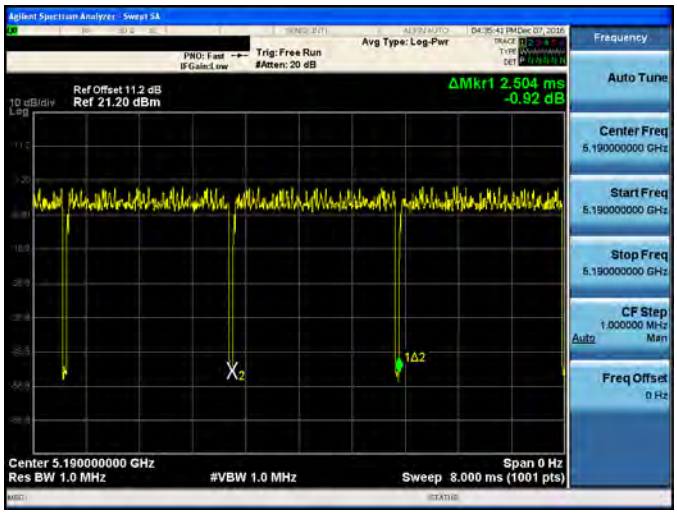
Module : QCA9984 (EW-7955MAC)						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2: IEEE 802.11a Link Mode	5180.0	2.075	2.125	0.976	0.103	0.482
Mode 3: IEEE 802.11ac 20MHz Link Mode	5180.0	5.040	5.070	0.994	0.026	0.010
Mode 4: IEEE 802.11ac 40MHz Link Mode	5190.0	2.456	2.504	0.981	0.084	0.010
Mode 5: IEEE 802.11ac 80MHz Link Mode	5210.0	1.160	1.215	0.955	0.201	0.862

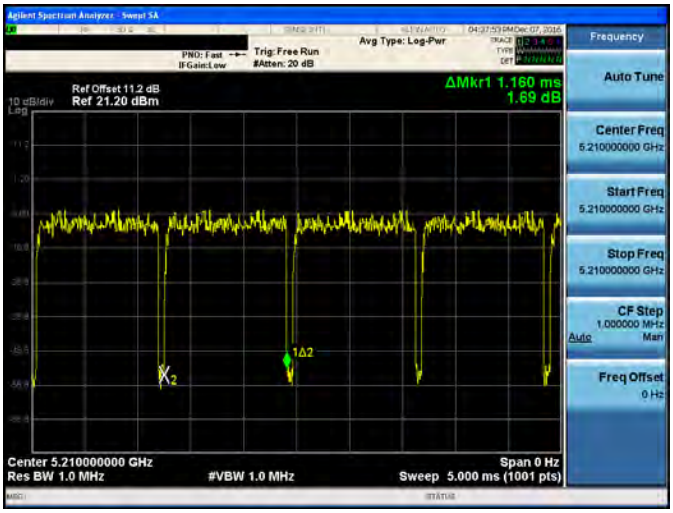
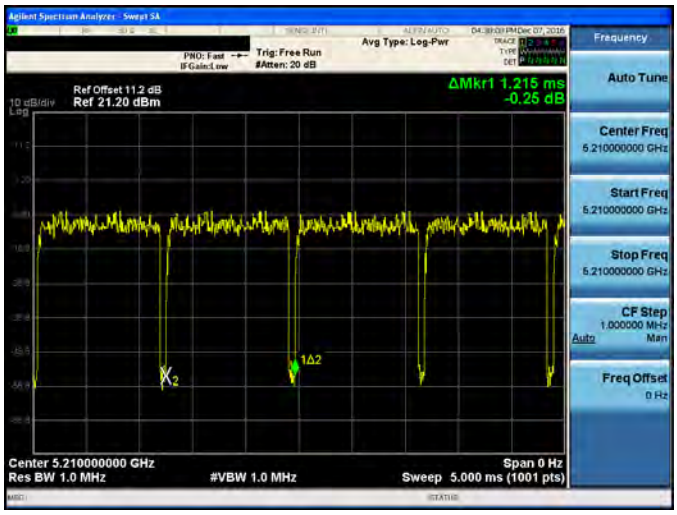
Module : QCA9990 (EW-7944MAC)						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2: IEEE 802.11a Link Mode	5180.0	2.075	2.135	0.972	0.124	0.482
Mode 3: IEEE 802.11ac 20MHz Link Mode	5180.0	5.028	5.076	0.991	0.041	0.010
Mode 4: IEEE 802.11ac 40MHz Link Mode	5190.0	2.456	2.512	0.978	0.098	0.407
Mode 5: IEEE 802.11ac 80MHz Link Mode	5210.0	1.155	1.218	0.948	0.231	0.866

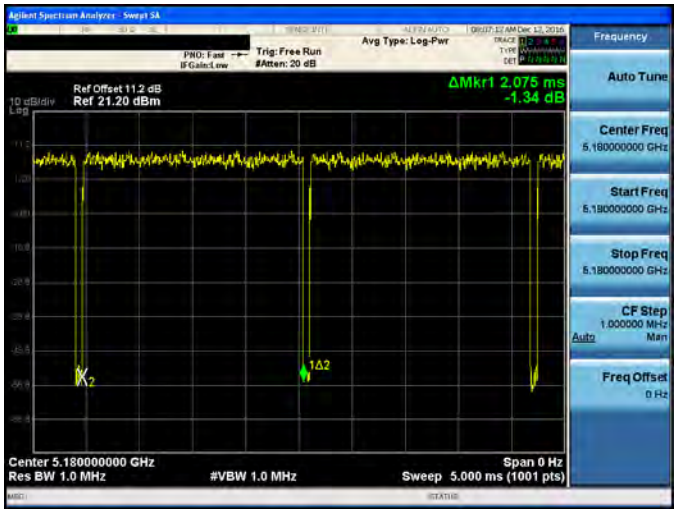
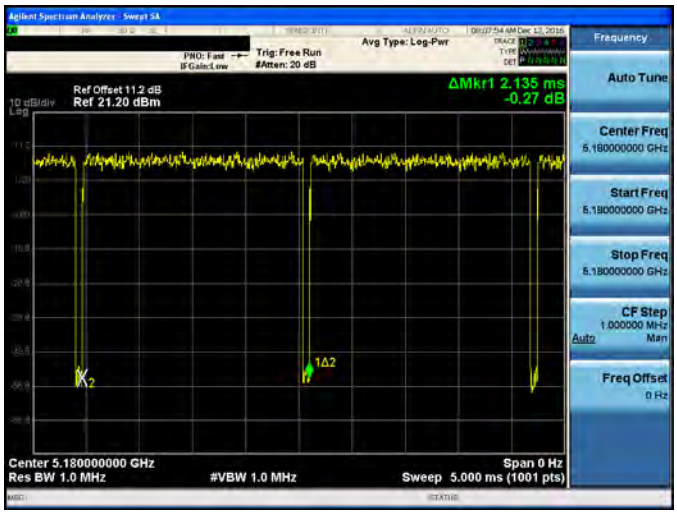
Duty Cycle Graphs

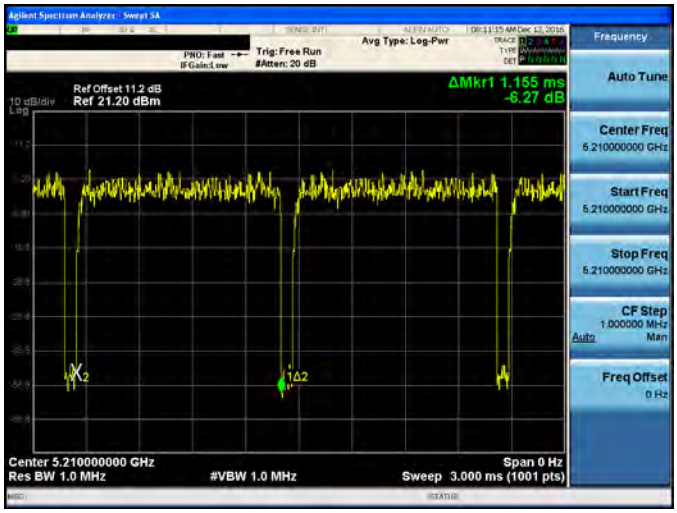
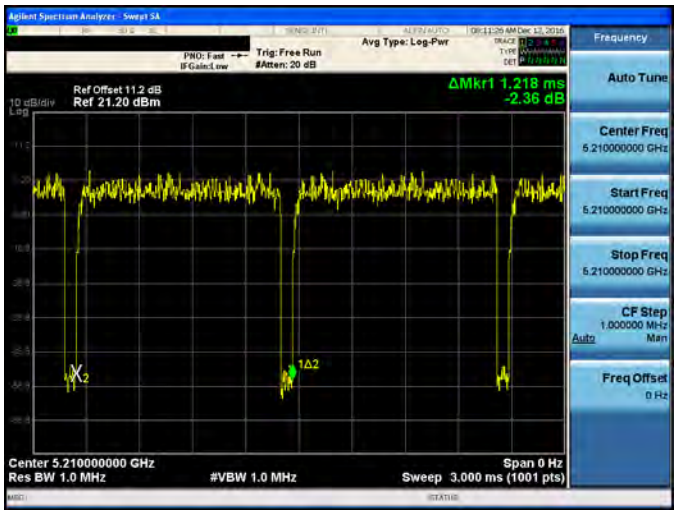
Module : QCA9984 (EW-7955MAC)	
Mode 2: IEEE 802.11a Link Mode	
On time	
On+off time	

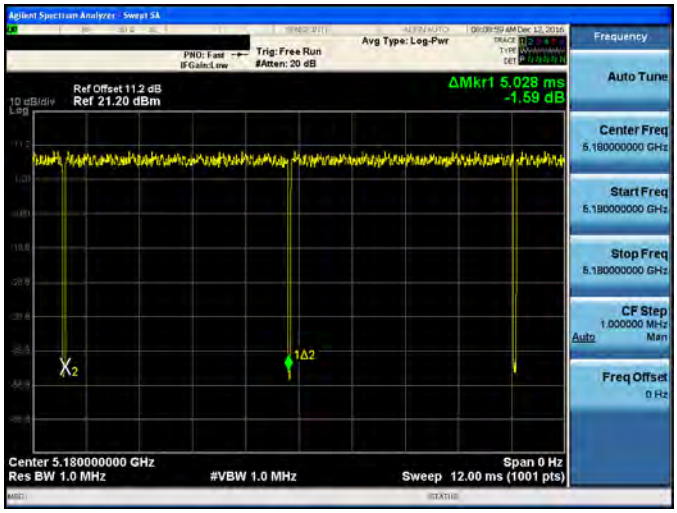
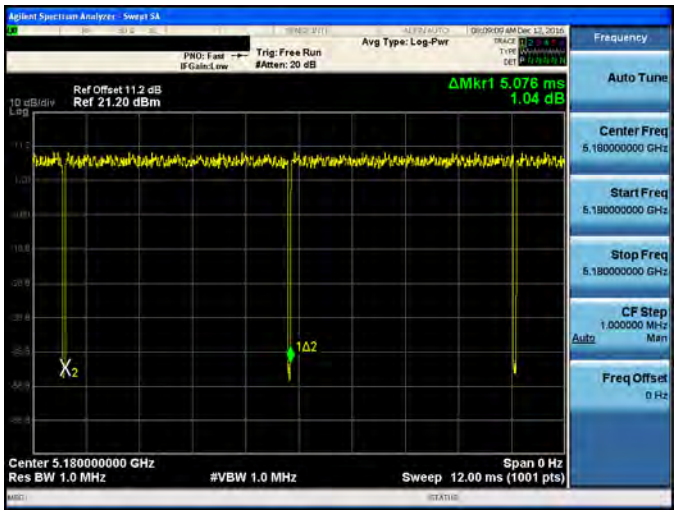
Module : QCA9984 (EW-7955MAC)	
Mode 3: IEEE 802.11ac 20MHz Link Mode	
On time	
On+off time	

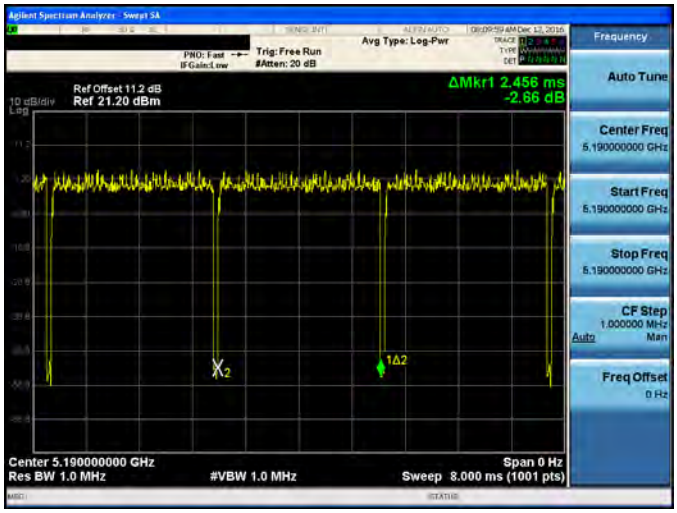
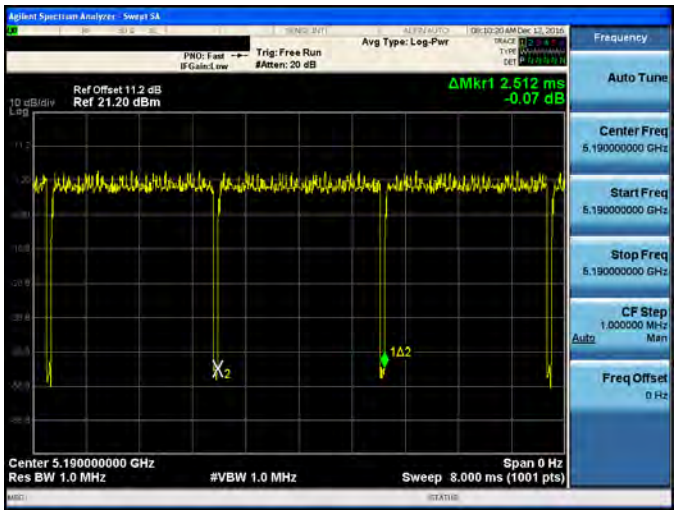
Module : QCA9984 (EW-7955MAC)	
Mode 4: IEEE 802.11ac 40MHz Link Mode	
On time	
On+off time	

Module : QCA9984 (EW-7955MAC)	
Mode 5: IEEE 802.11ac 80MHz Link Mode	
On time	
On+off time	

Module : QCA9990 (EW-7944MAC)	
Mode 2: IEEE 802.11a Link Mode	
On time	
On+off time	

Module : QCA9990 (EW-7944MAC)	
Mode 3: IEEE 802.11ac 20MHz Link Mode	
On time	
On+off time	

Module : QCA9990 (EW-7944MAC)	
Mode 4: IEEE 802.11ac 40MHz Link Mode	
On time	
On+off time	

Module : QCA9990 (EW-7944MAC)	
Mode 5: IEEE 802.11ac 80MHz Link Mode	
On time	
On+off time	

3.2. EUT Exercise Software

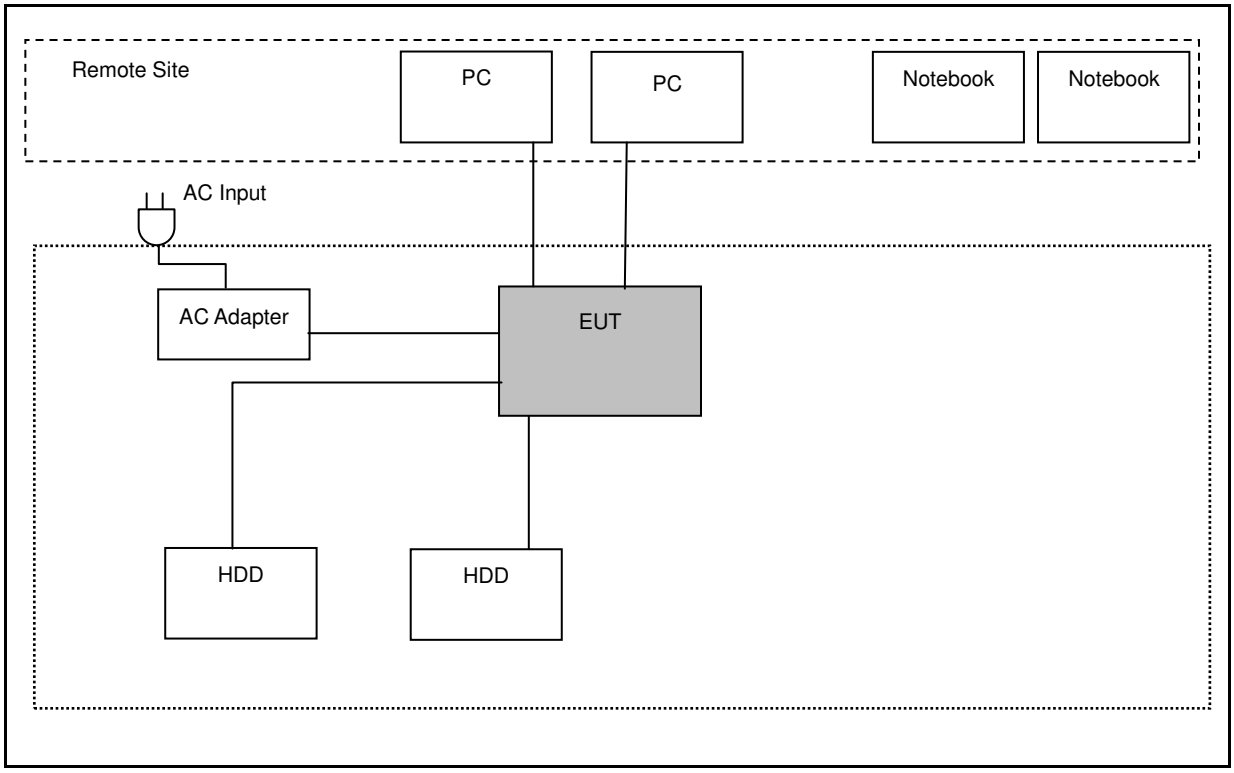
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

1.	Setup the EUT shown on 3.3.
2.	Turn on the power of all equipment.
3.	EUT run test program.

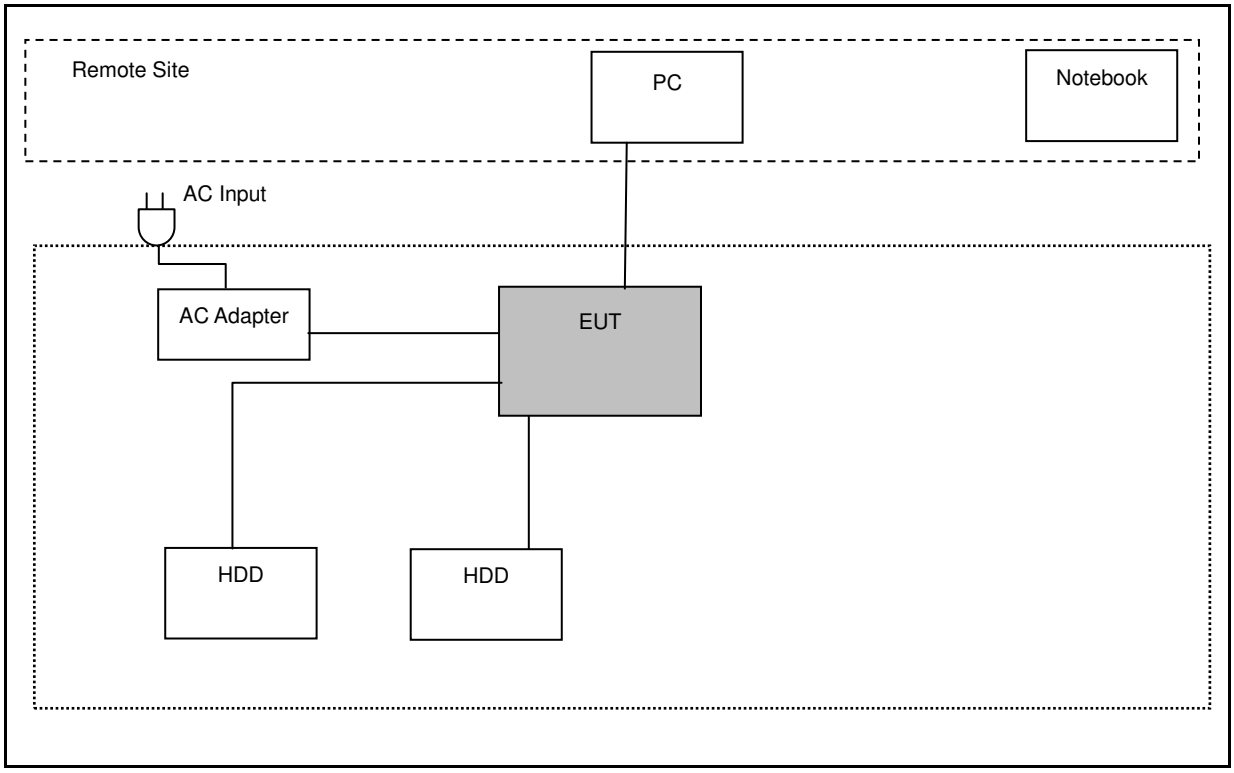
Measurement Software	
1	EZ-EMC Ver. ATL-03A1-1
2	EZ-EMC Ver ATL-ITC-3A1-1

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



3.4. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

4 Test Results

4.1. AC Power Conducted Emission Measurement

■ **Limit**

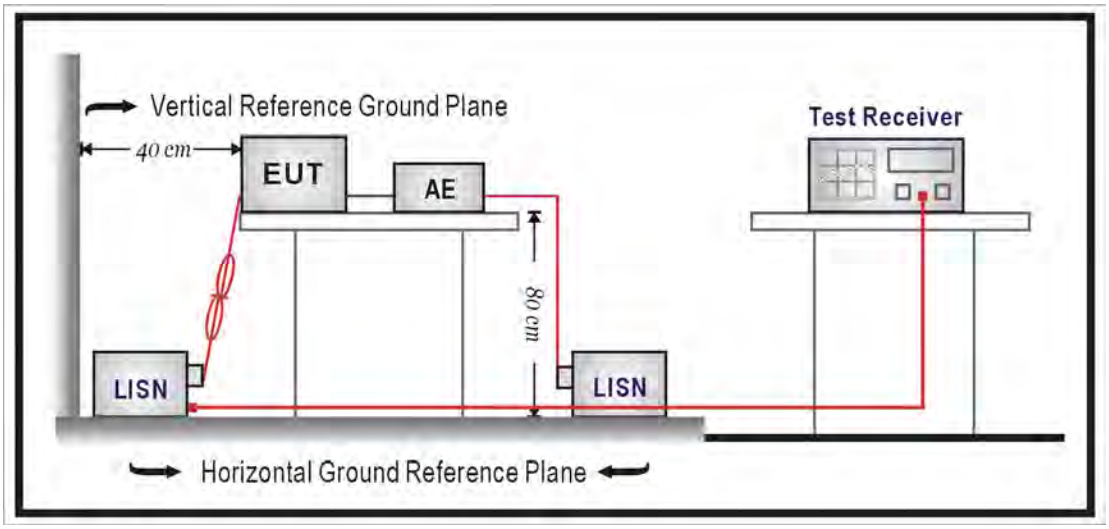
Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ **Test Instruments**

Describe	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Test Receiver	R&S	ESCI	100367	05/31/2016	1 year
LISN	R&S	ENV216	101040	03/15/2016	1 year
LISN	R&S	ENV216	101041	03/07/2016	1 year
RF Cable	Woken	00100D1380194M	TE-02-02	05/31/2016	1 year
Test Site	ATL	TE02	TE02	N.C.R.	-----

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

■ **Test Setup**



4.2. 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 50Ω// 50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50Ω// 50uH coupling impedance with 50ohm 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 40cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12mm insulating material.

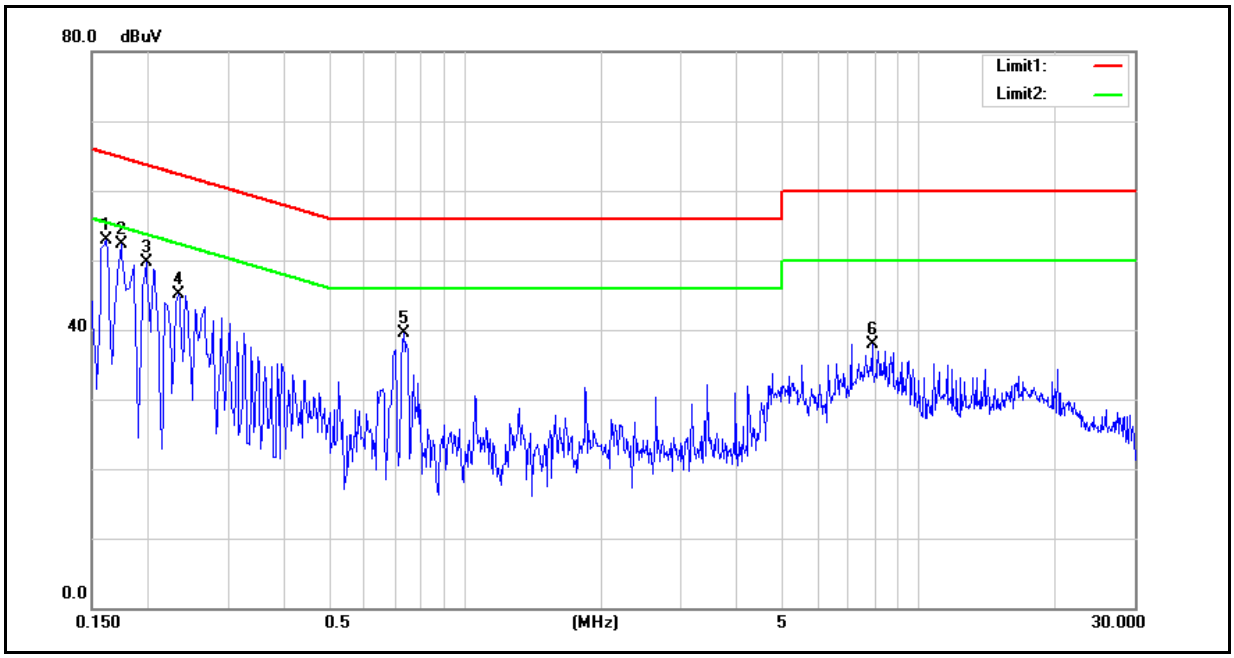
Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average 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 150kHz to 30MHz 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 1m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4m. All of interconnecting cables that hang closer than 40cm 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 0.1m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

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

■ **Test Result**

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/12/2016
Description:	Antenna:C059-510348-A+CO59-510347-A		

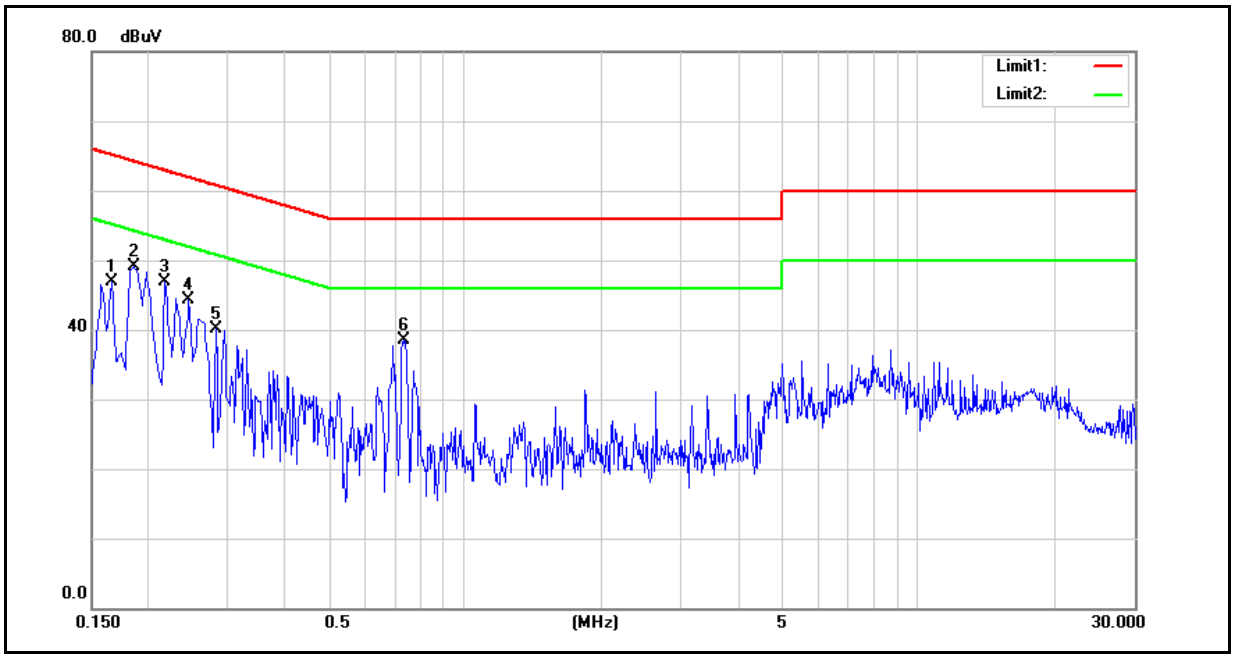


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	39.46	22.97	9.60	49.06	32.57	65.36	55.36	-16.30	-22.79	Pass
2	0.1740	35.26	16.93	9.60	44.86	26.53	64.77	54.77	-19.91	-28.24	Pass
3	0.1980	32.61	18.96	9.59	42.20	28.55	63.69	53.69	-21.49	-25.14	Pass
4	0.2340	30.43	14.50	9.59	40.02	24.09	62.31	52.31	-22.29	-28.22	Pass
5	0.7340	28.31	25.90	9.63	37.94	35.53	56.00	46.00	-18.06	-10.47	Pass
6	7.9180	25.59	23.05	9.84	35.43	32.89	60.00	50.00	-24.57	-17.11	Pass

Note: 1. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/12/2016
Description:	Antenna:C059-510348-A+CO59-510347-A		

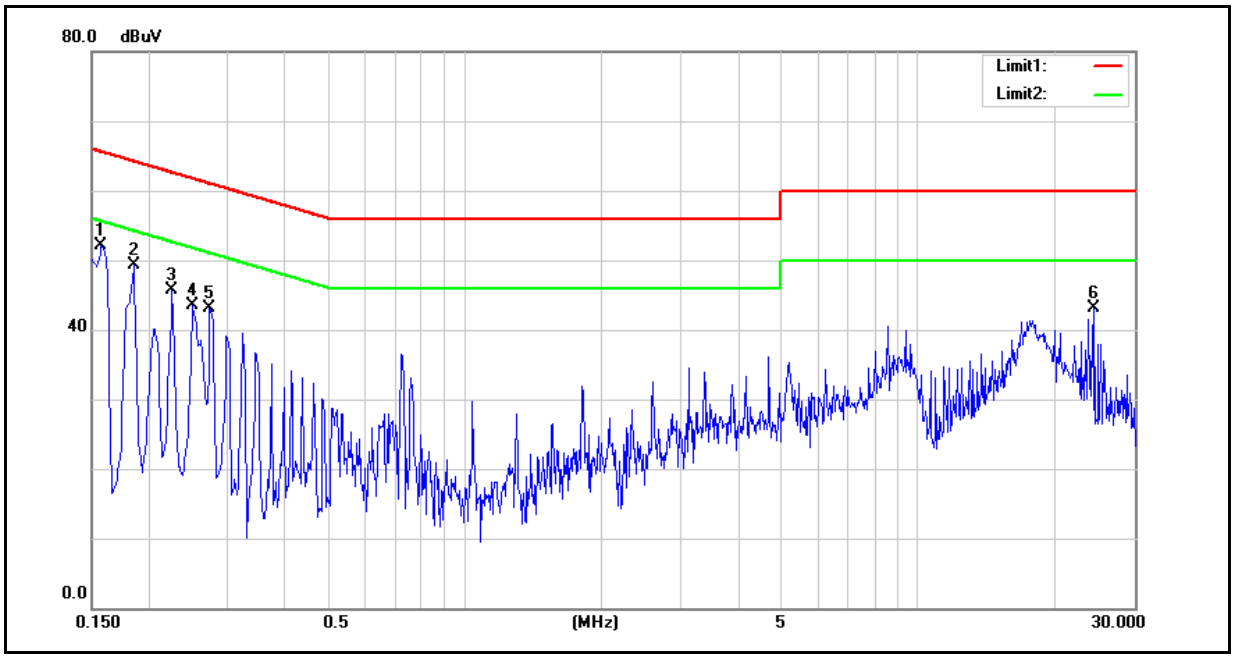


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1660	37.32	19.47	9.59	46.91	29.06	65.16	55.16	-18.25	-26.10	Pass
2	0.1860	34.23	18.88	9.58	43.81	28.46	64.21	54.21	-20.40	-25.75	Pass
3	0.2180	29.82	12.59	9.58	39.40	22.17	62.89	52.89	-23.49	-30.72	Pass
4	0.2460	28.21	13.65	9.58	37.79	23.23	61.89	51.89	-24.10	-28.66	Pass
5	0.2820	23.61	10.49	9.59	33.20	20.08	60.76	50.76	-27.56	-30.68	Pass
6	0.7340	28.09	25.48	9.62	37.71	35.10	56.00	46.00	-18.29	-10.90	Pass

Note: 1. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/28/2016
Description:	Antenna:M6060060P23602NB+CO59-510347-A		

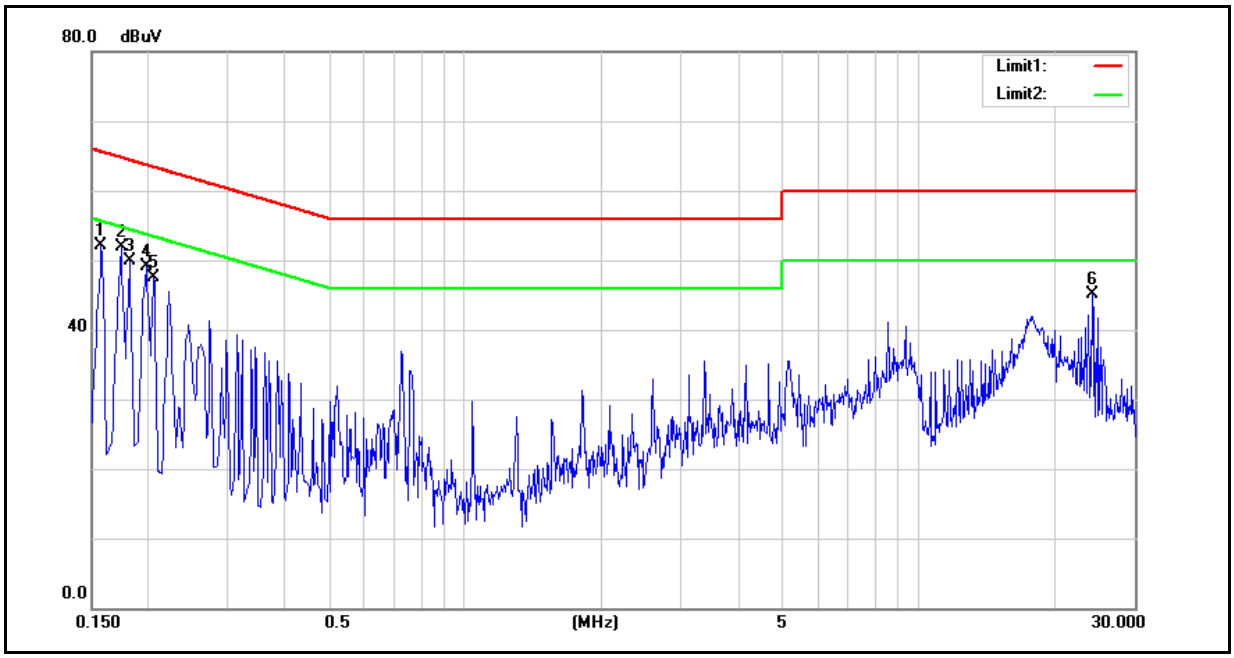


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	37.52	22.13	9.60	47.12	31.73	65.57	55.57	-18.45	-23.84	Pass
2	0.1860	34.49	19.39	9.59	44.08	28.98	64.21	54.21	-20.13	-25.23	Pass
3	0.2260	30.23	14.04	9.59	39.82	23.63	62.60	52.60	-22.78	-28.97	Pass
4	0.2500	27.42	10.11	9.60	37.02	19.71	61.76	51.76	-24.74	-32.05	Pass
5	0.2740	25.43	8.08	9.60	35.03	17.68	61.00	51.00	-25.97	-33.32	Pass
6	24.4260	32.35	32.37	9.98	42.33	42.35	60.00	50.00	-17.67	-7.65	Pass

Note: 1. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/28/2016
Description:	Antenna:M6060060P23602NB+CO59-510347-A		

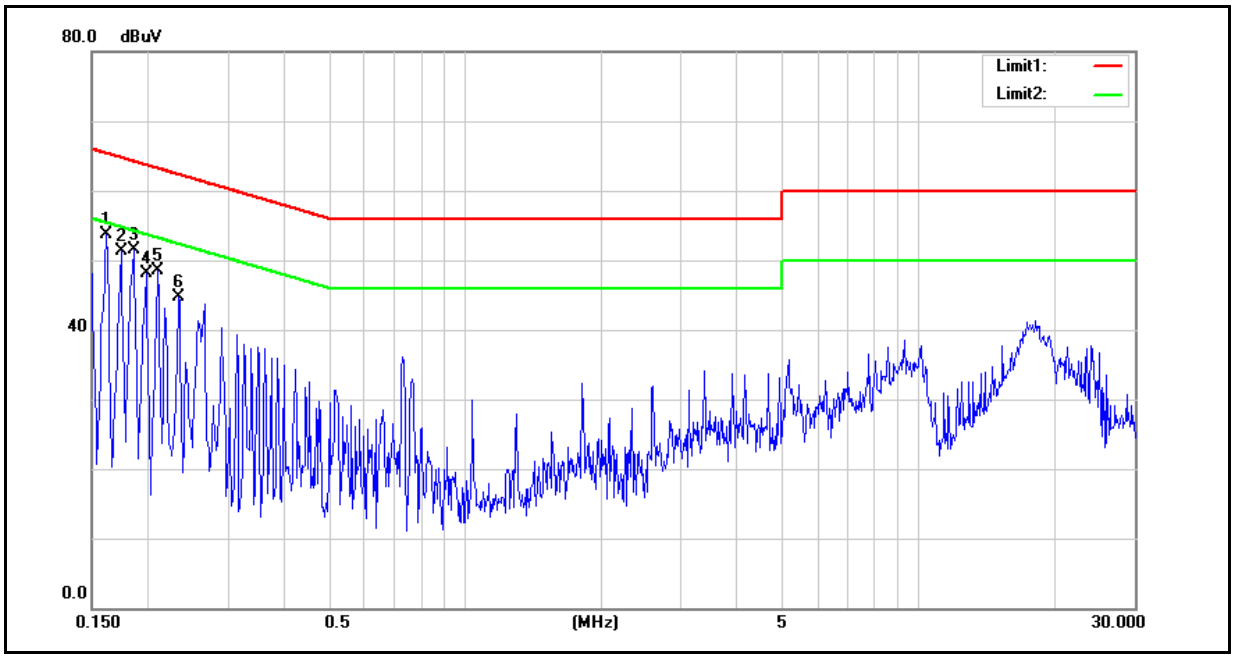


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	38.68	22.77	9.59	48.27	32.36	65.57	55.57	-17.30	-23.21	Pass
2	0.1740	36.71	18.10	9.59	46.30	27.69	64.77	54.77	-18.47	-27.08	Pass
3	0.1820	35.05	18.69	9.58	44.63	28.27	64.39	54.39	-19.76	-26.12	Pass
4	0.1980	34.29	15.63	9.58	43.87	25.21	63.69	53.69	-19.82	-28.48	Pass
5	0.2060	31.49	12.29	9.58	41.07	21.87	63.37	53.37	-22.30	-31.50	Pass
6	24.1660	33.89	33.20	10.14	44.03	43.34	60.00	50.00	-15.97	-6.66	Pass

Note: 1. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/28/2016
Description:	Antenna:SAA04-22008A+CO59-510347-A		

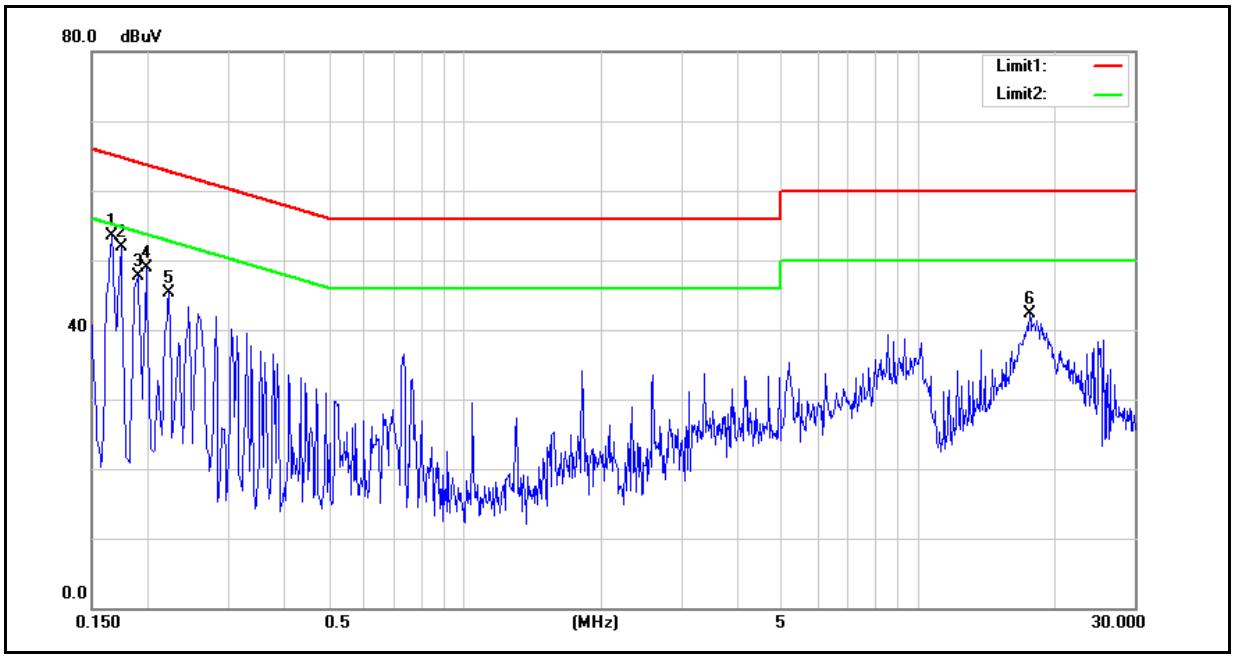


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	38.49	18.74	9.60	48.09	28.34	65.36	55.36	-17.27	-27.02	Pass
2	0.1740	37.05	18.98	9.60	46.65	28.58	64.77	54.77	-18.12	-26.19	Pass
3	0.1860	35.80	20.77	9.59	45.39	30.36	64.21	54.21	-18.82	-23.85	Pass
4	0.1980	34.19	17.30	9.59	43.78	26.89	63.69	53.69	-19.91	-26.80	Pass
5	0.2100	32.81	14.68	9.59	42.40	24.27	63.21	53.21	-20.81	-28.94	Pass
6	0.2340	30.49	15.10	9.59	40.08	24.69	62.31	52.31	-22.23	-27.62	Pass

Note: 1. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
		Date:	12/28/2016
Description:	Antenna:SAA04-22008A+CO59-510347-A		



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	36.97	15.83	9.59	46.56	25.42	65.16	55.16	-18.60	-29.74	Pass
2	0.1740	36.87	19.69	9.59	46.46	29.28	64.77	54.77	-18.31	-25.49	Pass
3	0.1900	35.72	19.34	9.58	45.30	28.92	64.04	54.04	-18.74	-25.12	Pass
4	0.1980	34.05	16.57	9.58	43.63	26.15	63.69	53.69	-20.06	-27.54	Pass
5	0.2220	31.41	16.83	9.58	40.99	26.41	62.74	52.74	-21.75	-26.33	Pass
6	17.6580	28.61	23.00	10.07	38.68	33.07	60.00	50.00	-21.32	-16.93	Pass

Note: 1. Result = Correction factor + Reading

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

4.3. 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 1000MHz, 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 20dB under any condition of modulation.

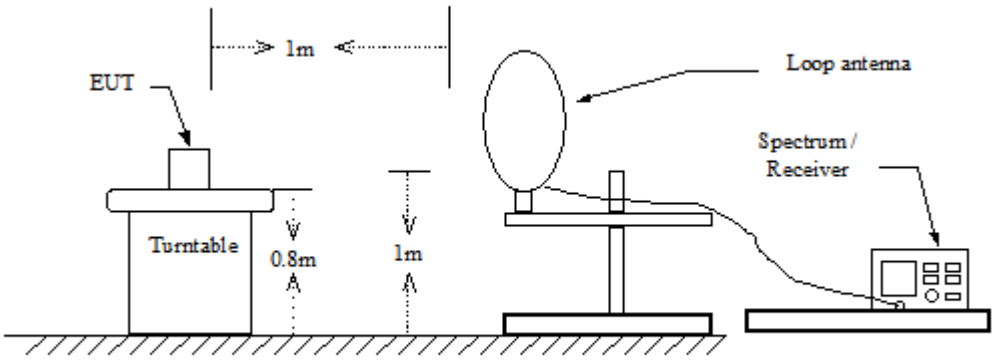
■ **Test Instruments**

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/08/2016	1 year
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/08/2016	1 year
Pre Amplifier	Agilent	8449B	3008A02237	10/11/2016	1 year
Pre Amplifier	Agilent	8447D	2944A11119	01/11/2016	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/13/2016	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/06/2016	1 year
Horn Antenna (18~40GHz)	ETS	3116	86467	09/05/2016	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	02/01/2016	1 year
Microwave Cable	EMCI	EMC102-KM-KM-14000	151001	02/23/2016	1 year
Microwave Cable	EMCI	EMC-104-SM-SM-14000	140202	02/23/2016	1 year
Microwave Cable	EMCI	EMC104-SM-SM-600	140301	02/23/2016	1 year

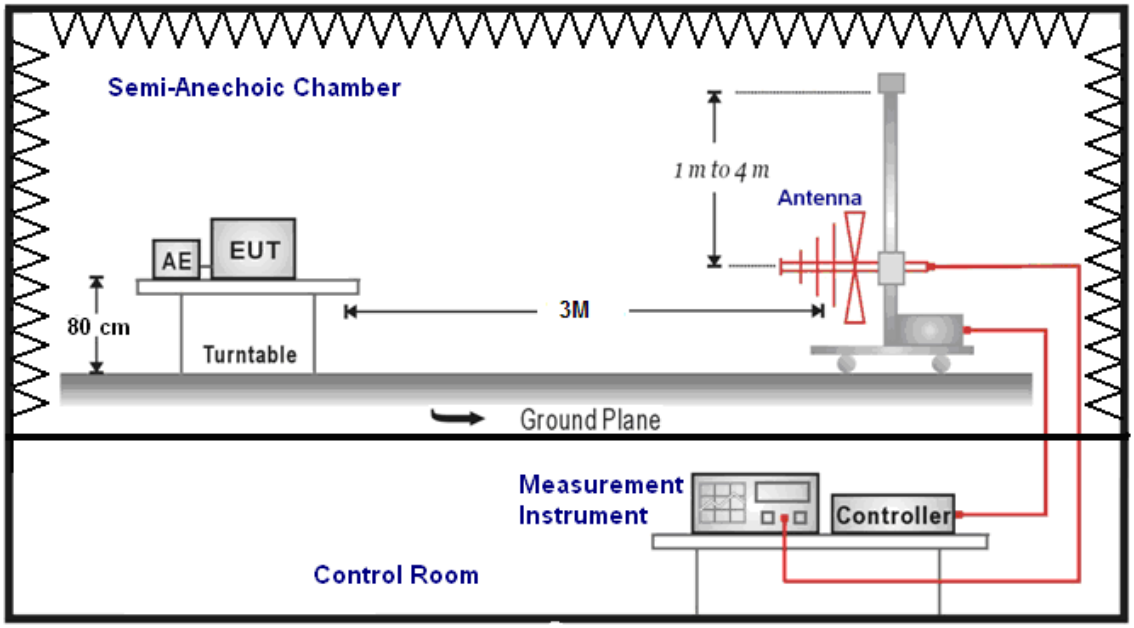
Note: N.C.R. = No Calibration Request.

■ **Setup**

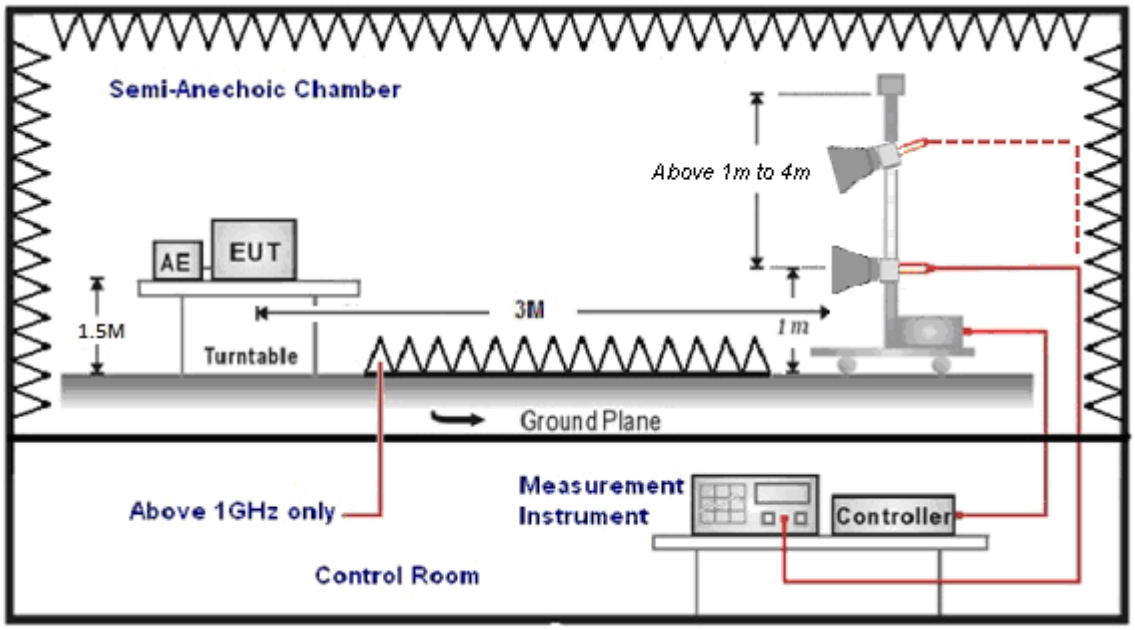
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



- **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 1GHz use 0.8m turntable / above 1GHz use 1.5m turntable), top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

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

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

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

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

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

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

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

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

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

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

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

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

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
(a) For fundamental frequency : Transmitter Output < +30dBm
(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	1000MHz
Stop Frequency	40GHz
RBW/VBW(Emission in restricted band)	1MHz / 3MHz for Peak 1MHz / (1/T) for Average
RBW/VBW(Emission in non-restricted band)	1MHz / 3MHz for Peak

■ **Test Result**

Below 1GHz

Module : QCA9984 (EW-7955MAC)

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:	Antenna:M6060060P23602NB	Date:	12/13/2016

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
166.5000	42.47	-5.34	37.13	43.50	-6.37	QP	H
325.0000	40.05	-3.02	37.03	46.00	-8.97	QP	H
399.0000	32.76	-1.72	31.04	46.00	-14.96	QP	H
673.5000	33.19	4.26	37.45	46.00	-8.55	QP	H
729.5000	31.74	5.46	37.20	46.00	-8.80	QP	H
800.0000	33.58	6.68	40.26	46.00	-5.74	QP	H
200.0000	40.61	-7.82	32.79	43.50	-10.71	QP	V
430.0000	34.28	-0.78	33.50	46.00	-12.50	QP	V
600.0000	37.01	2.92	39.93	46.00	-6.07	QP	V
625.0000	34.11	3.41	37.52	46.00	-8.48	QP	V
675.0000	29.95	4.28	34.23	46.00	-11.77	QP	V
800.0000	29.32	6.68	36.00	46.00	-10.00	QP	V

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

2. Result = Correction factor + Reading

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:	Antenna:SAA04-22008A	Date:	12/13/2016

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
325.0000	40.47	-3.02	37.45	46.00	-8.55	QP	H
399.0000	32.90	-1.72	31.18	46.00	-14.82	QP	H
598.0000	31.55	2.86	34.41	46.00	-11.59	QP	H
693.5000	33.60	4.55	38.15	46.00	-7.85	QP	H
727.5000	29.59	5.41	35.00	46.00	-11.00	QP	H
800.0000	32.64	6.68	39.32	46.00	-6.68	QP	H
200.0000	43.89	-7.82	36.07	43.50	-7.43	QP	V
336.0000	37.07	-2.87	34.20	46.00	-11.80	QP	V
399.0000	36.70	-1.72	34.98	46.00	-11.02	QP	V
600.0000	36.38	2.92	39.30	46.00	-6.70	QP	V
675.0000	31.27	4.28	35.55	46.00	-10.45	QP	V
851.5000	23.43	7.59	31.02	46.00	-14.98	QP	V

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

2. Result = Correction factor + Reading

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

Module : QCA9990 (EW-7944MAC)_Master

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:	Master_Antenna:CO59-510347-A	Date:	12/13/2016

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
175.0000	47.20	-5.81	41.39	43.50	-2.11	QP	H
325.0000	39.95	-3.02	36.93	46.00	-9.07	QP	H
588.0000	33.08	2.58	35.66	46.00	-10.34	QP	H
677.5000	33.69	4.31	38.00	46.00	-8.00	QP	H
687.5000	34.37	4.47	38.84	46.00	-7.16	QP	H
800.0000	34.13	6.68	40.81	46.00	-5.19	QP	H
200.0000	42.80	-7.82	34.98	43.50	-8.52	QP	V
338.0000	33.46	-2.85	30.61	46.00	-15.39	QP	V
399.0000	35.09	-1.72	33.37	46.00	-12.63	QP	V
600.0000	37.18	2.92	40.10	46.00	-5.90	QP	V
625.0000	34.58	3.41	37.99	46.00	-8.01	QP	V
800.0000	30.73	6.68	37.41	46.00	-8.59	QP	V

Note:
1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).
2. Result = Correction factor + Reading
3. Correction factor = Antenna Factor + Cable loss – Pre-Amplifier gain.

Module : QCA9990 (EW-7944MAC)_Client

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Test Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Description:	Client_Antenna:CO59-510347-A	Date:	12/13/2016

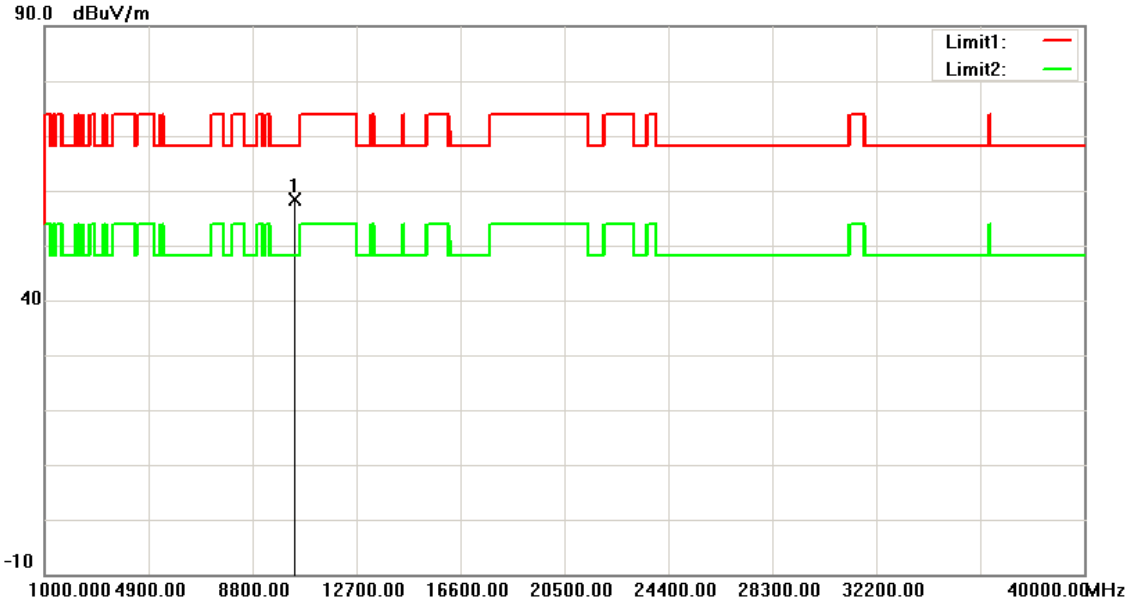
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
247.0000	40.50	-5.46	35.04	46.00	-10.96	QP	H
275.0000	36.38	-4.18	32.20	46.00	-13.80	QP	H
400.0000	37.12	-1.70	35.42	46.00	-10.58	QP	H
750.0000	36.14	6.03	42.17	46.00	-3.83	QP	H
800.0000	36.88	6.68	43.56	46.00	-2.44	QP	H
925.0000	29.38	9.13	38.51	46.00	-7.49	QP	H
247.0000	31.36	-5.46	25.90	46.00	-20.10	QP	V
400.0000	31.54	-1.70	29.84	46.00	-16.16	QP	V
500.0000	29.59	0.74	30.33	46.00	-15.67	QP	V
600.0000	29.68	2.92	32.60	46.00	-13.40	QP	V
800.0000	38.27	6.68	44.95	46.00	-1.05	QP	V
896.0000	25.69	8.52	34.21	46.00	-11.79	QP	V

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).
2. Result = Correction factor + Reading
3. Correction factor = Antenna Factor + Cable loss – Pre-Amplifier gain.

Above 1GHz

Module : QCA9984 (EW-7955MAC)

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



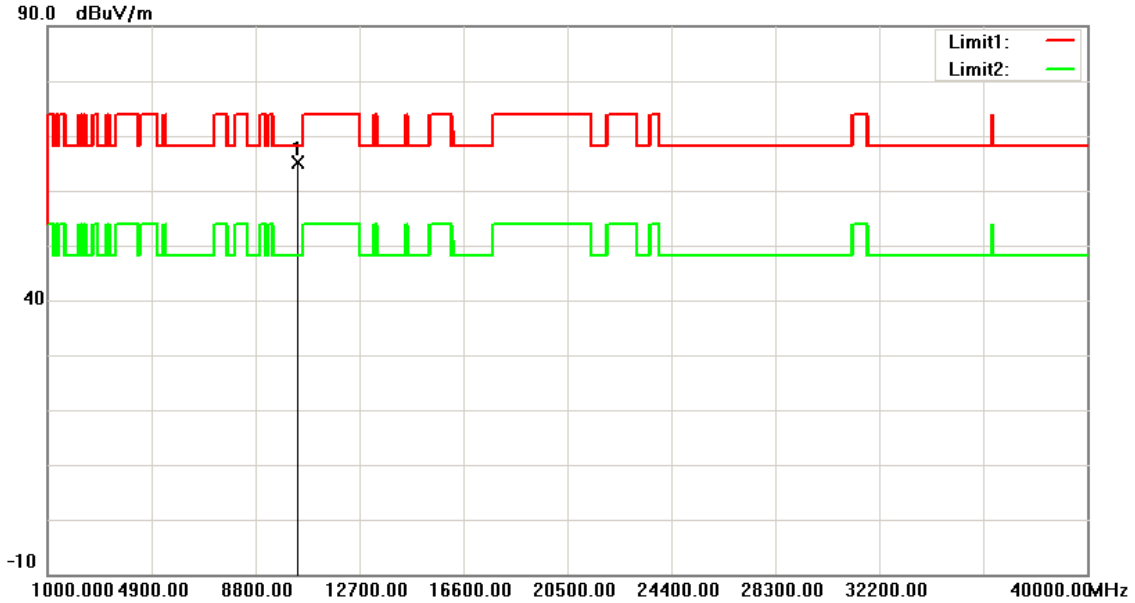
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	53.38	4.97	58.35	68.20	-9.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



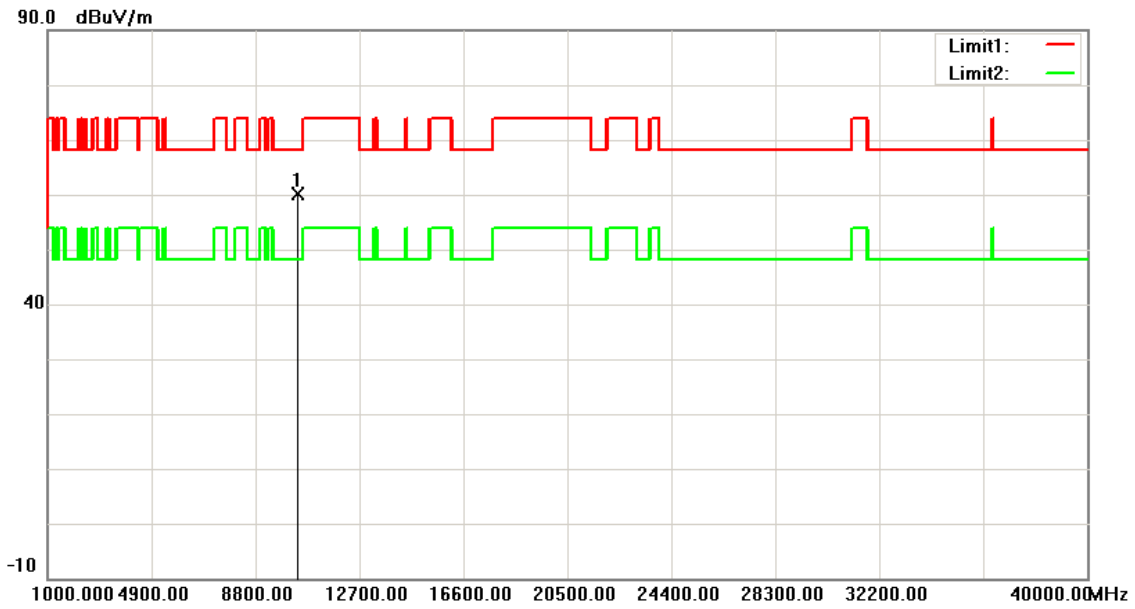
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	60.22	4.97	65.19	68.20	-3.01	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



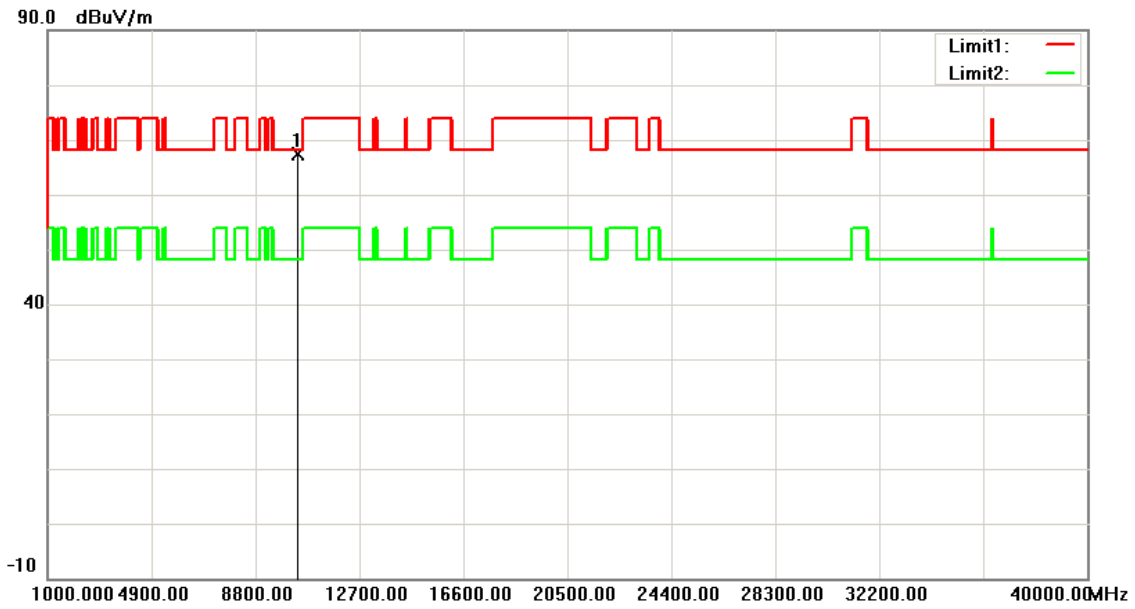
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	55.14	5.07	60.21	68.20	-7.99	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



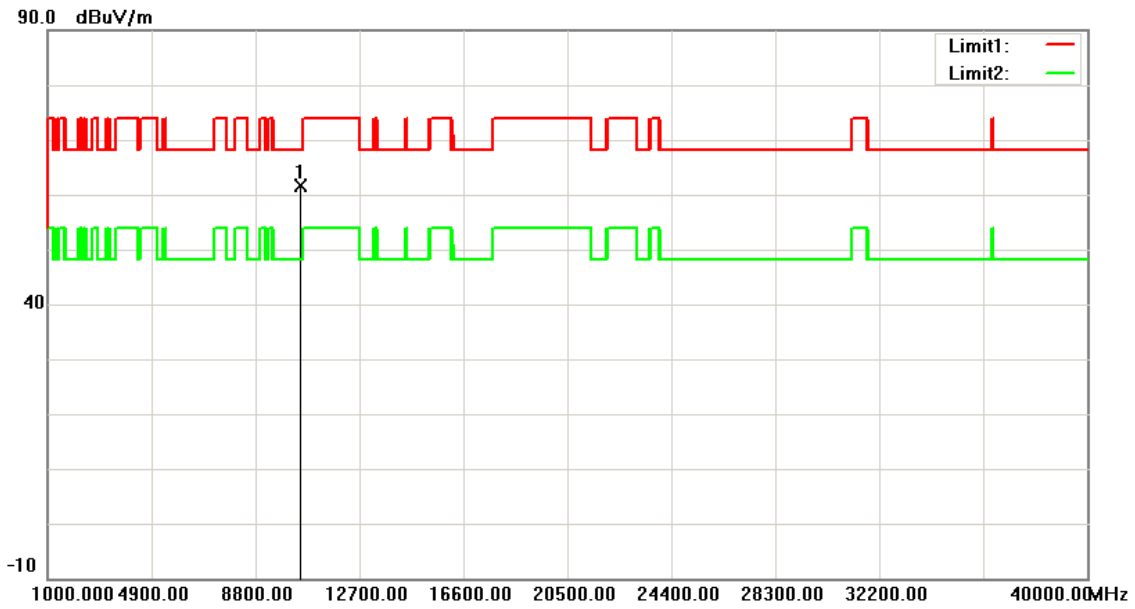
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	62.36	5.07	67.43	68.20	-0.77	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



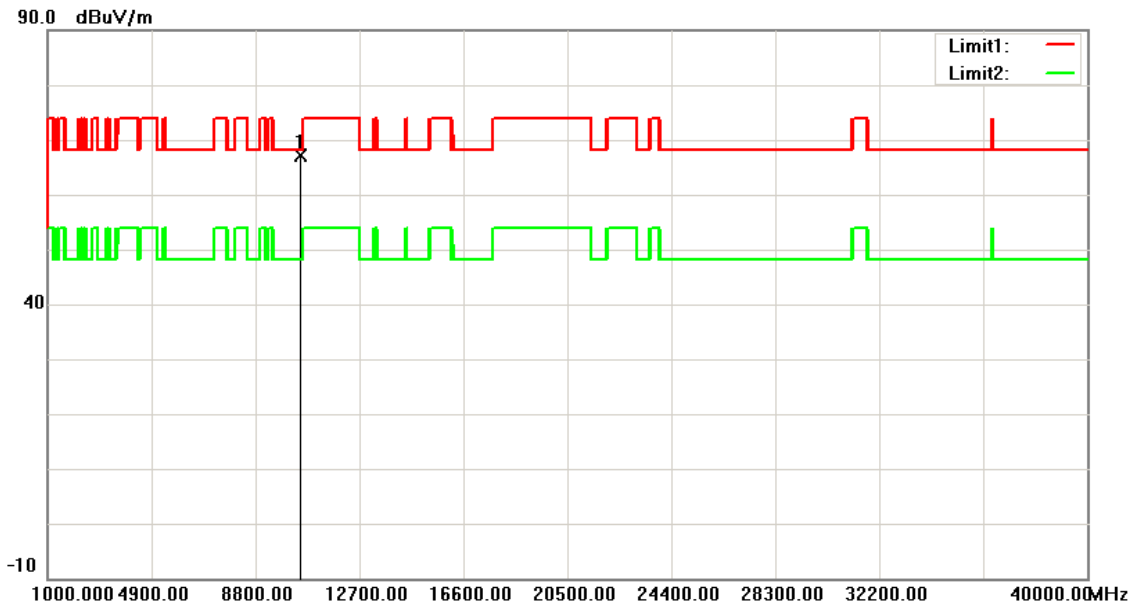
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	56.47	5.25	61.72	68.20	-6.48	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



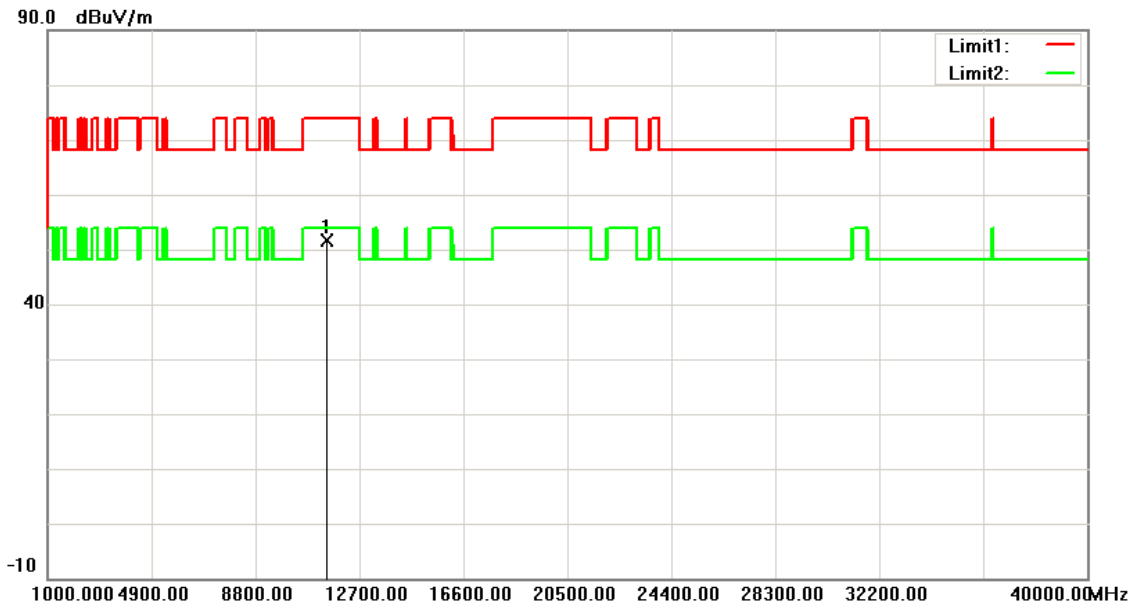
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	61.95	5.25	67.20	68.20	-1.00	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



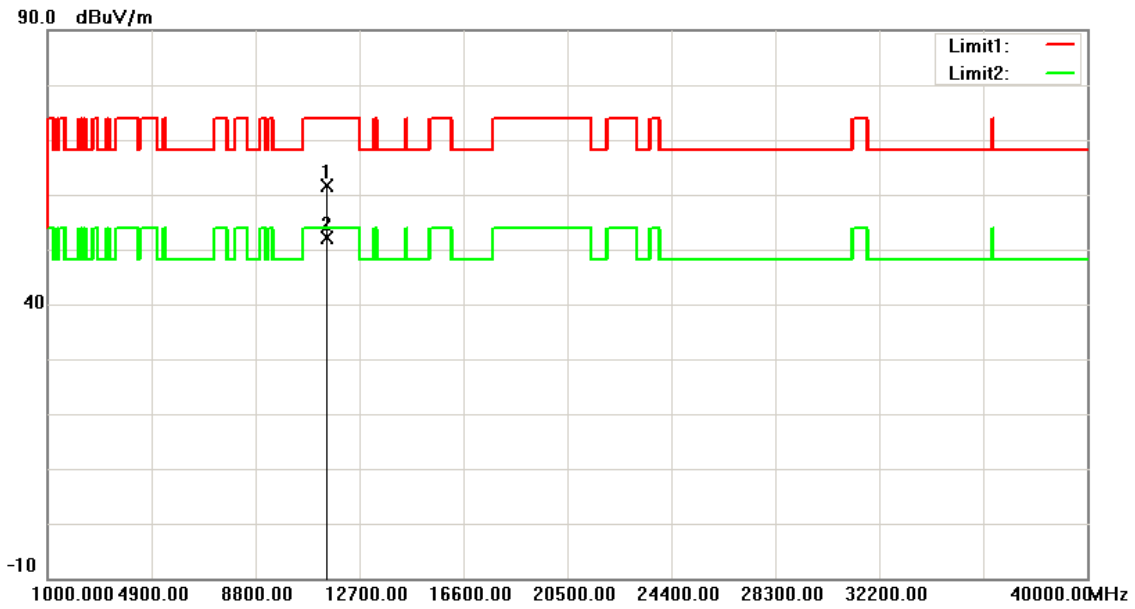
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	45.51	6.14	51.65	74.00	-22.35	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



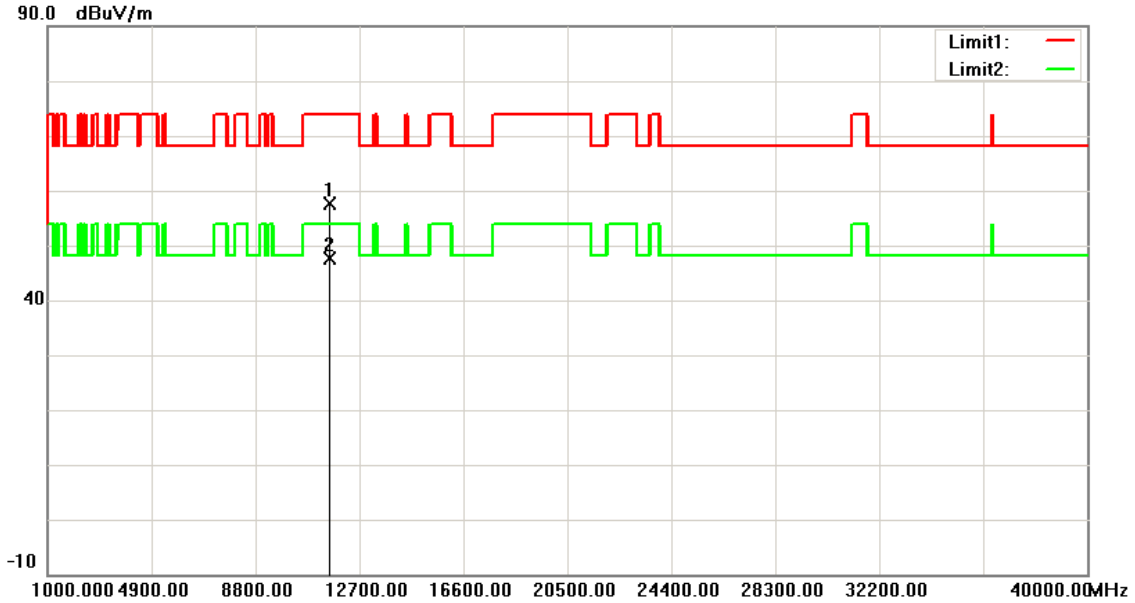
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	55.51	6.14	61.65	74.00	-12.35	peak
2	11490.000	46.08	6.14	52.22	54.00	-1.78	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



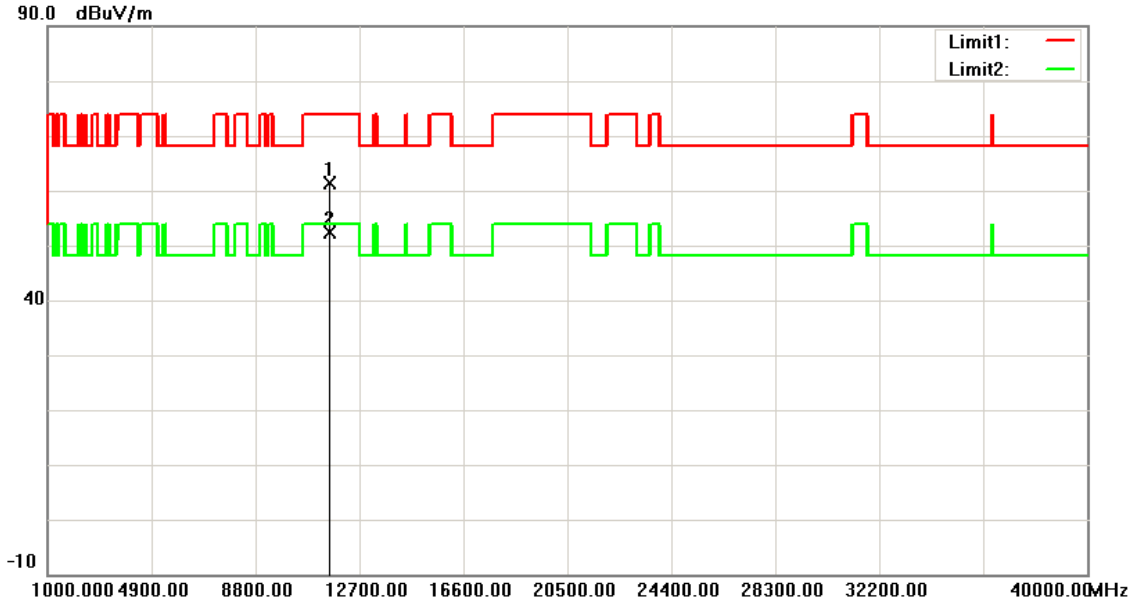
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	51.29	6.35	57.64	74.00	-16.36	peak
2	11570.000	41.20	6.35	47.55	54.00	-6.45	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



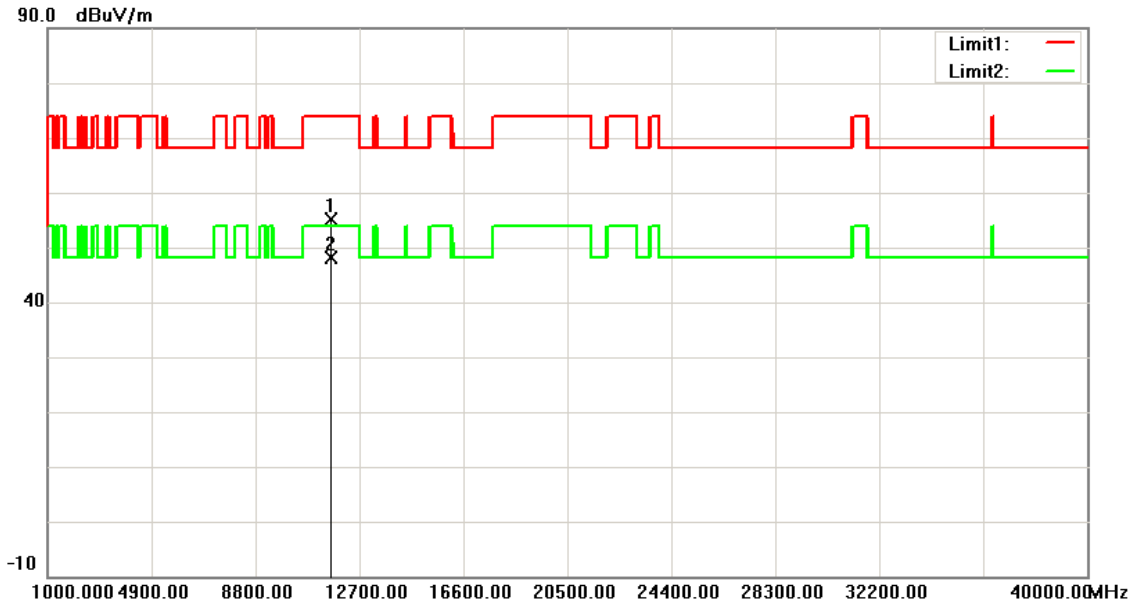
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	54.97	6.35	61.32	74.00	-12.68	peak
2	11570.000	46.06	6.35	52.41	54.00	-1.59	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



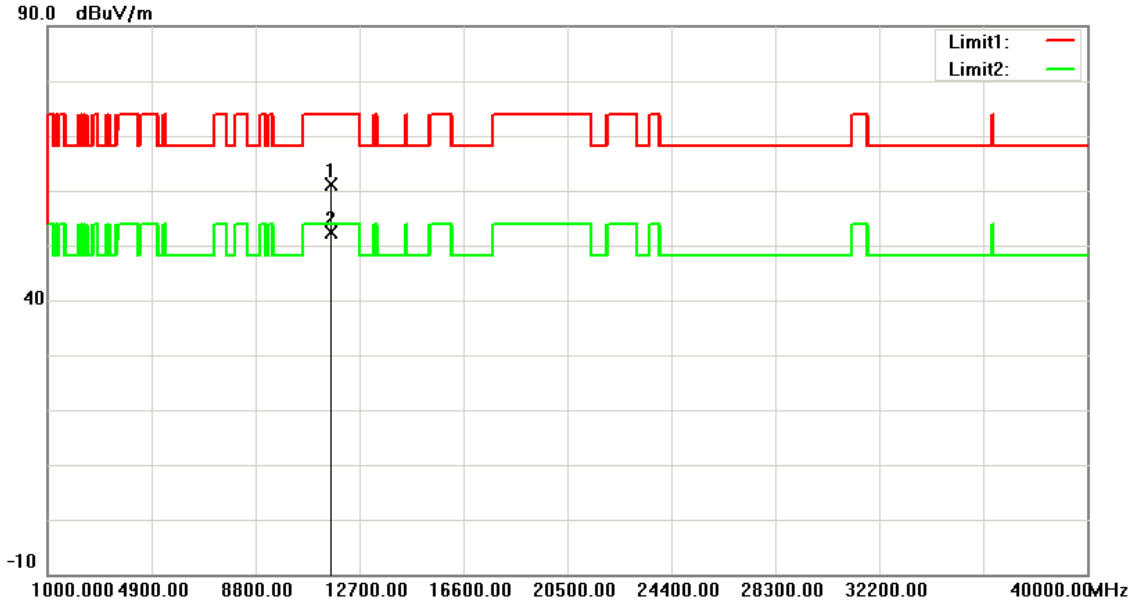
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.57	6.58	55.15	74.00	-18.85	peak
2	11650.000	41.50	6.58	48.08	54.00	-5.92	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



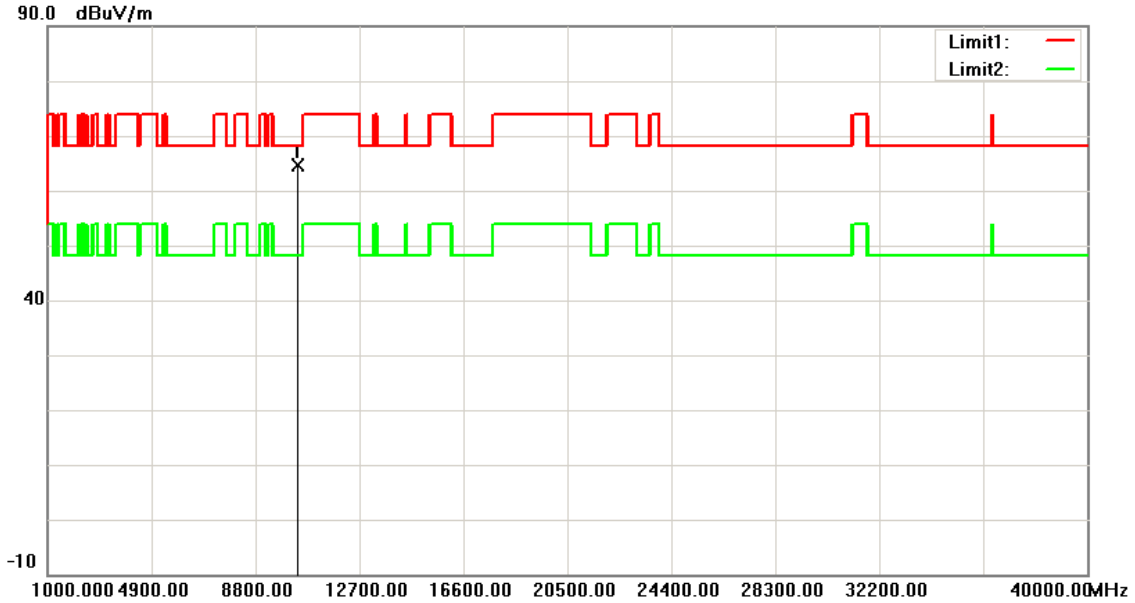
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	54.50	6.58	61.08	74.00	-12.92	peak
2	11650.000	45.86	6.58	52.44	54.00	-1.56	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



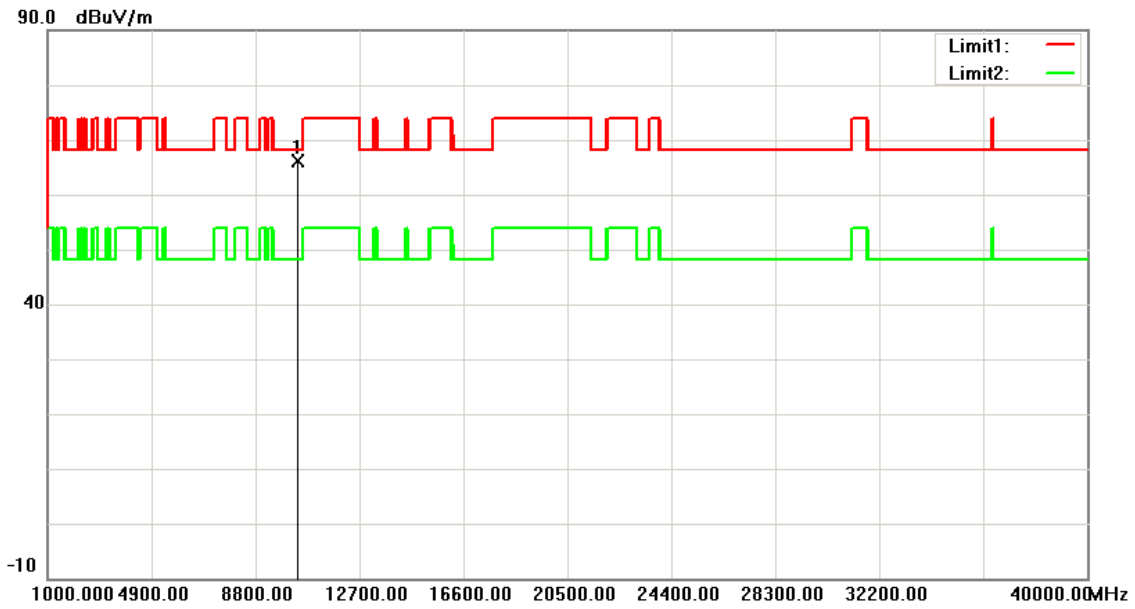
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	59.78	4.97	64.75	68.20	-3.45	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



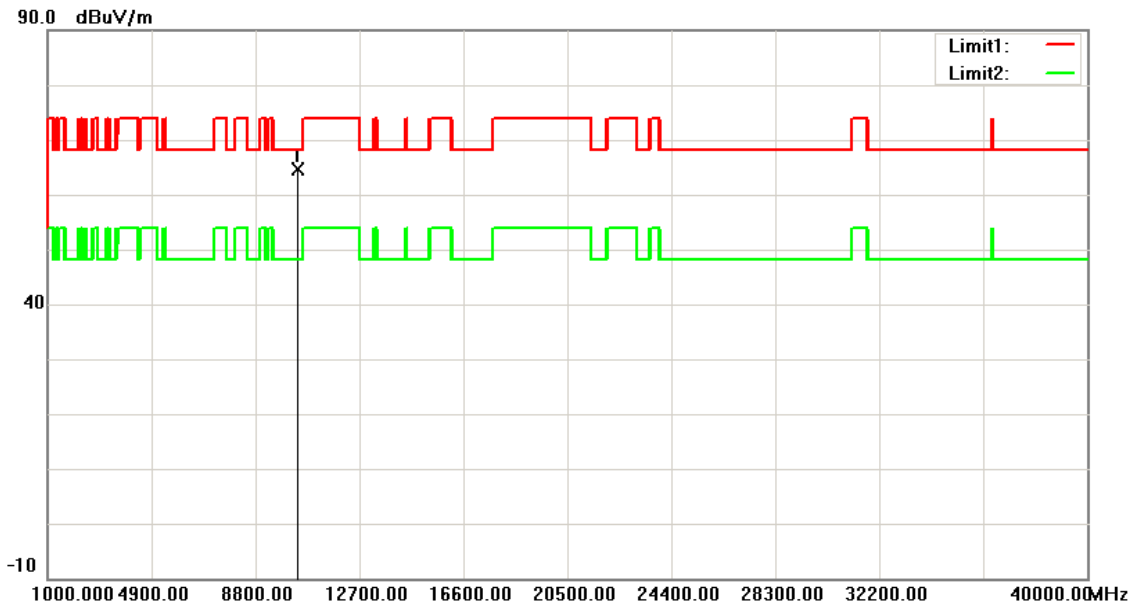
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	61.07	4.97	66.04	68.20	-2.16	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



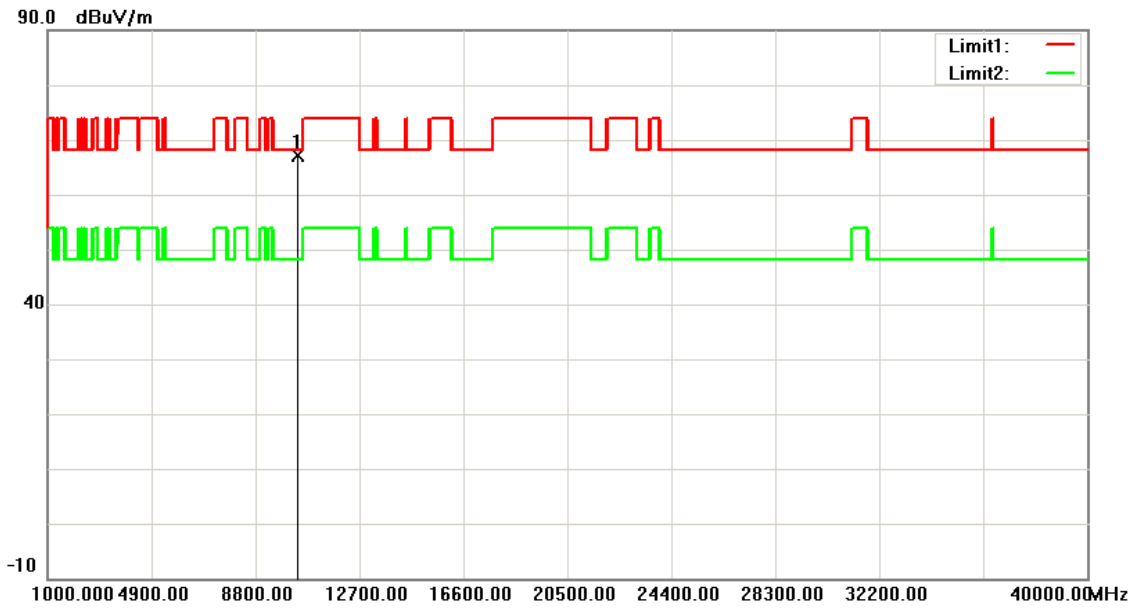
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	59.46	5.07	64.53	68.20	-3.67	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



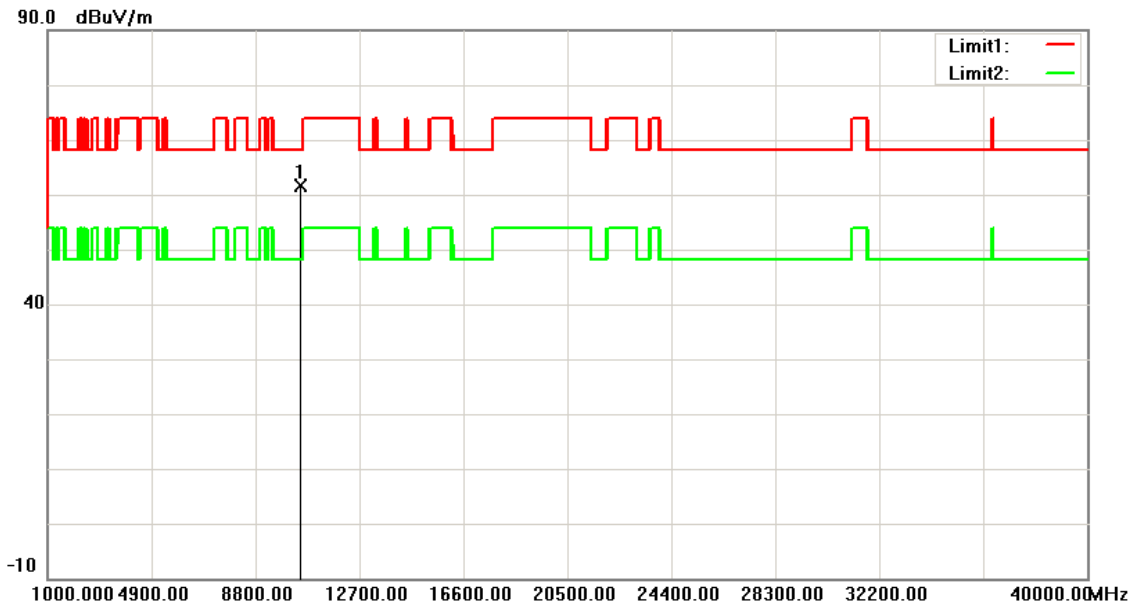
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	62.07	5.07	67.14	68.20	-1.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



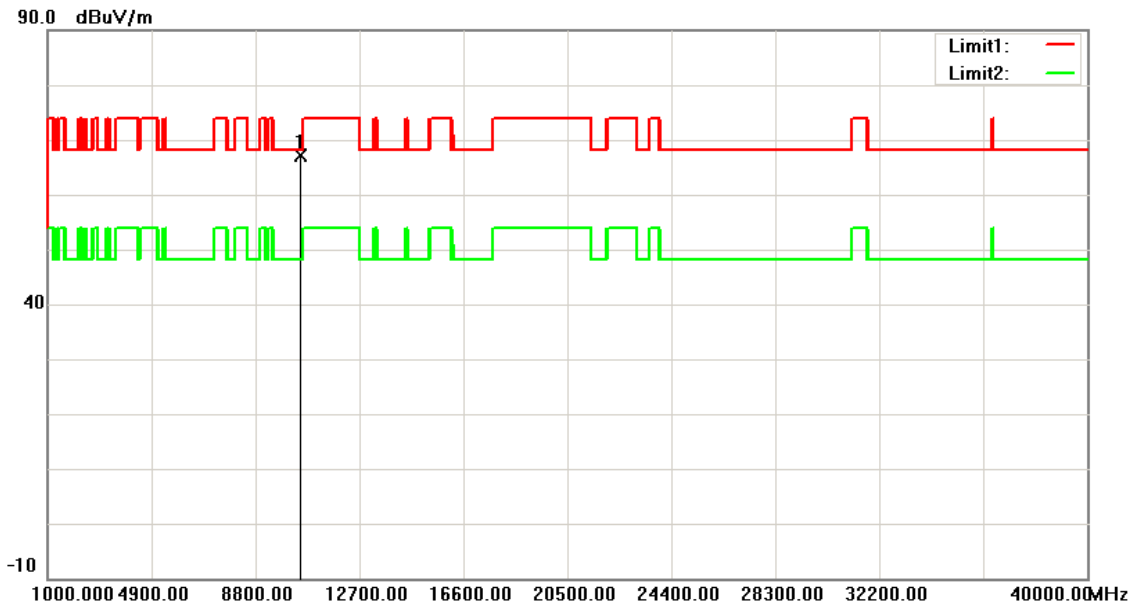
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	56.37	5.25	61.62	68.20	-6.58	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



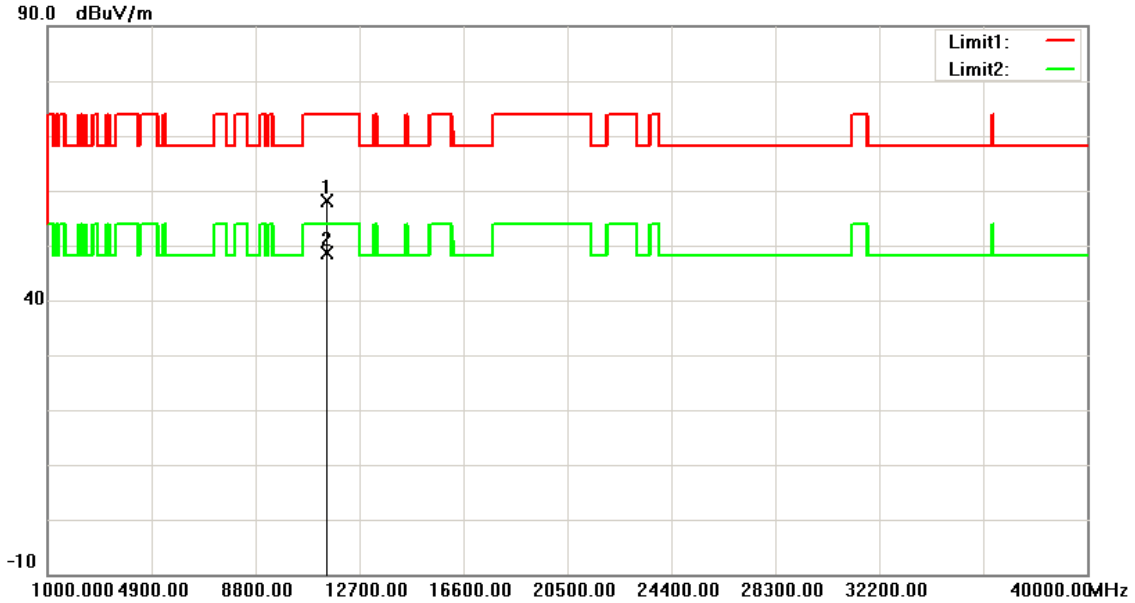
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	61.89	5.25	67.14	68.20	-1.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



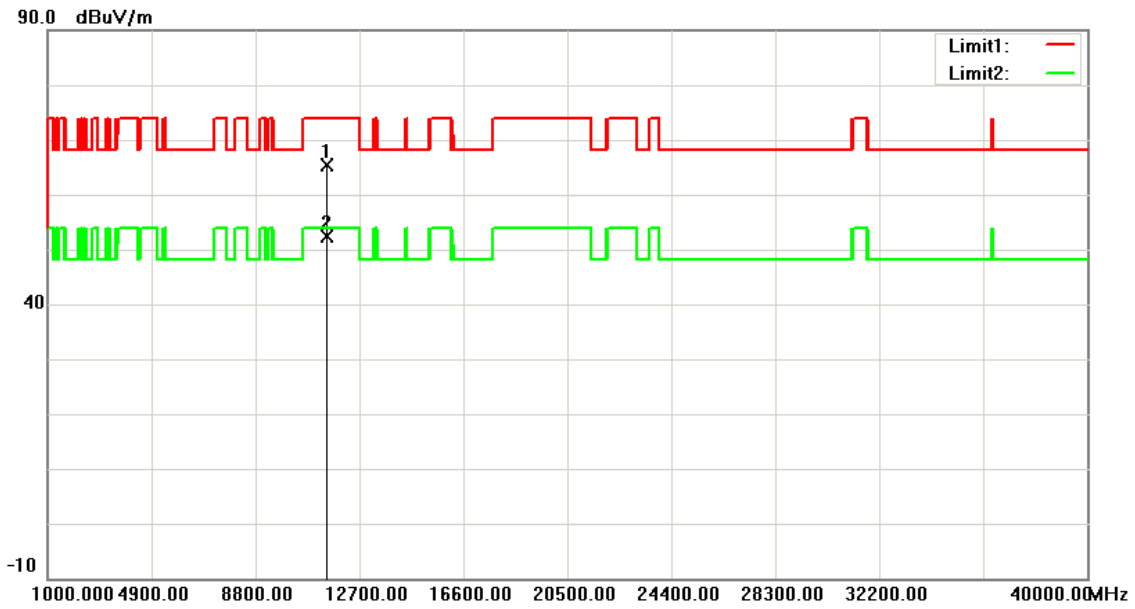
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	52.07	6.14	58.21	74.00	-15.79	peak
2	11490.000	42.37	6.14	48.51	54.00	-5.49	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



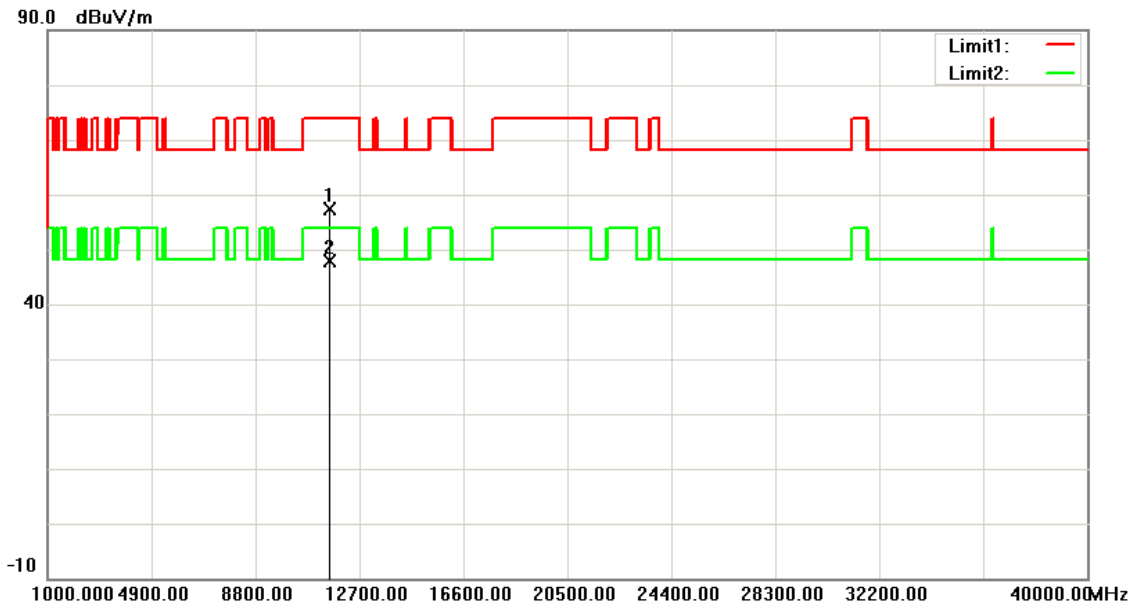
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	59.29	6.14	65.43	74.00	-8.57	peak
2	11490.000	46.15	6.14	52.29	54.00	-1.71	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



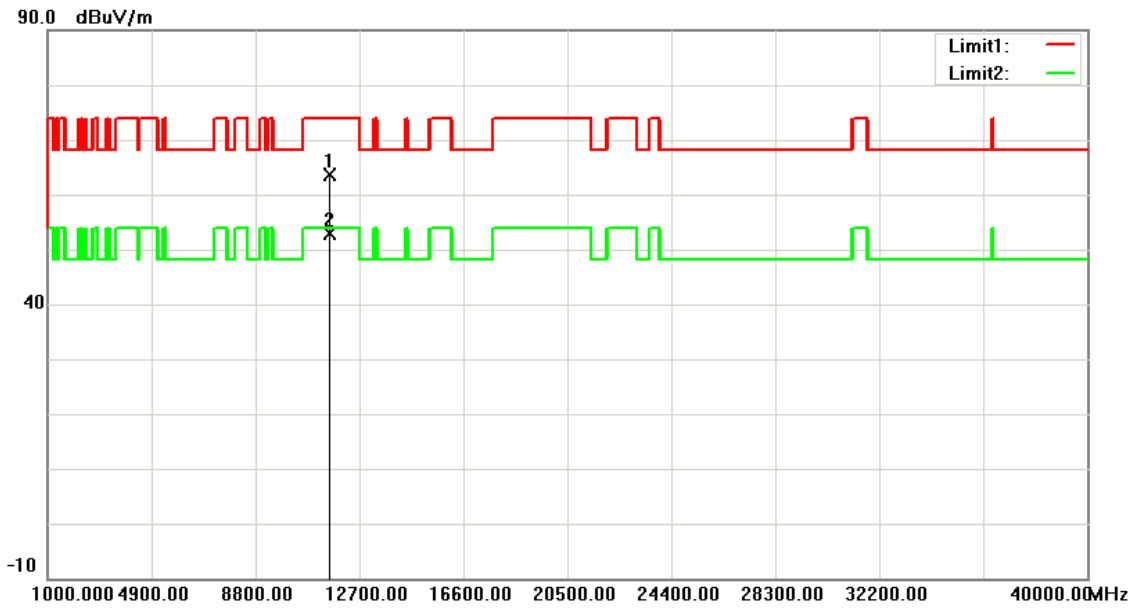
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	50.99	6.35	57.34	74.00	-16.66	peak
2	11570.000	41.42	6.35	47.77	54.00	-6.23	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



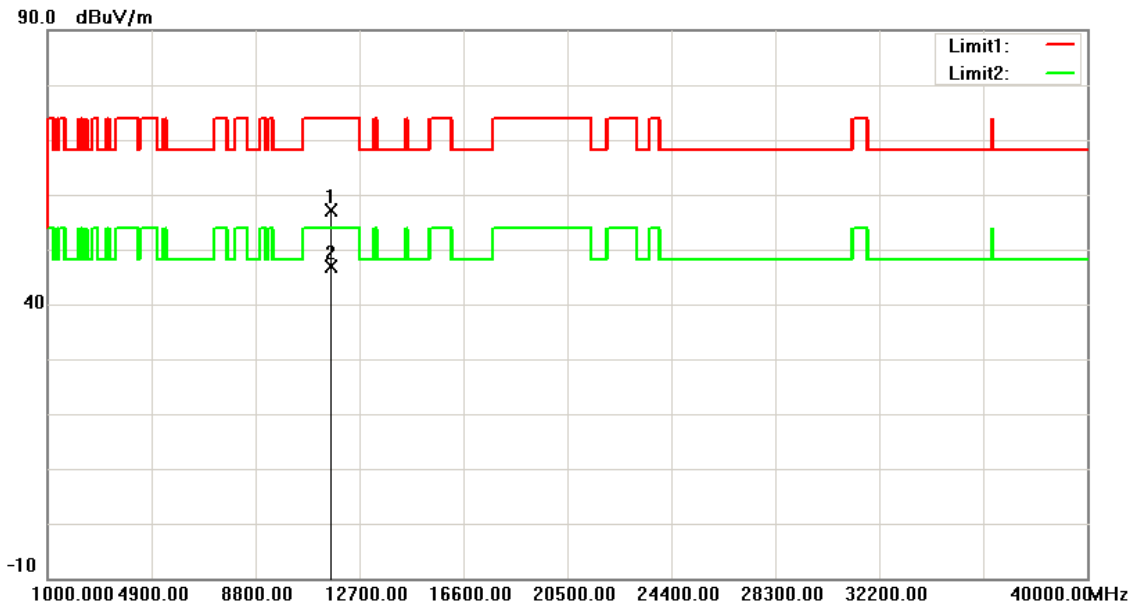
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	57.19	6.35	63.54	74.00	-10.46	peak
2	11570.000	46.57	6.35	52.92	54.00	-1.08	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



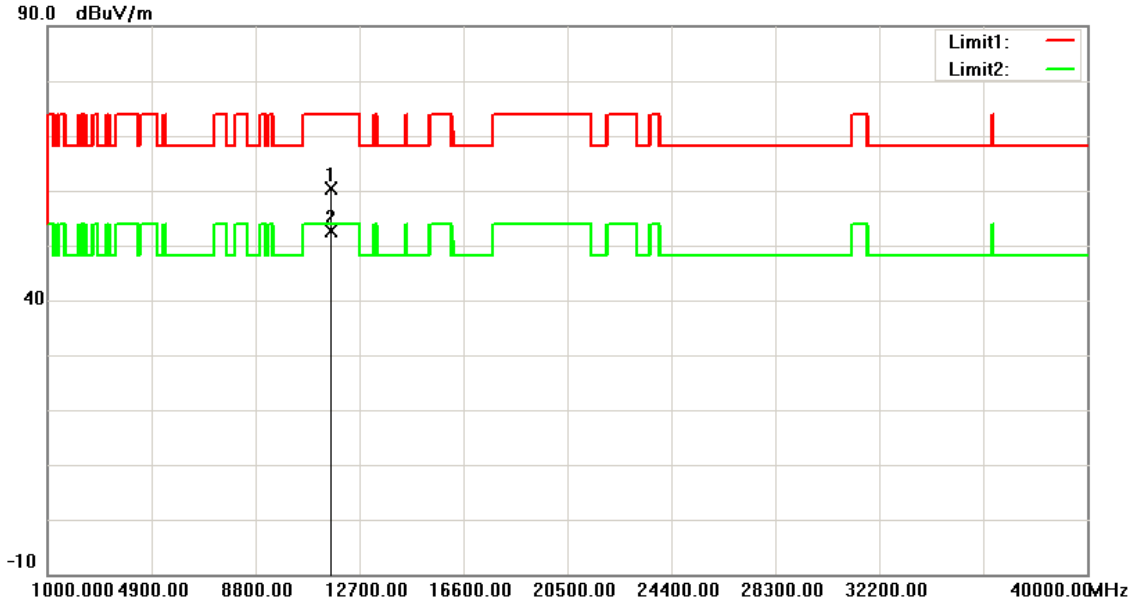
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	50.50	6.58	57.08	74.00	-16.92	peak
2	11650.000	40.39	6.58	46.97	54.00	-7.03	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



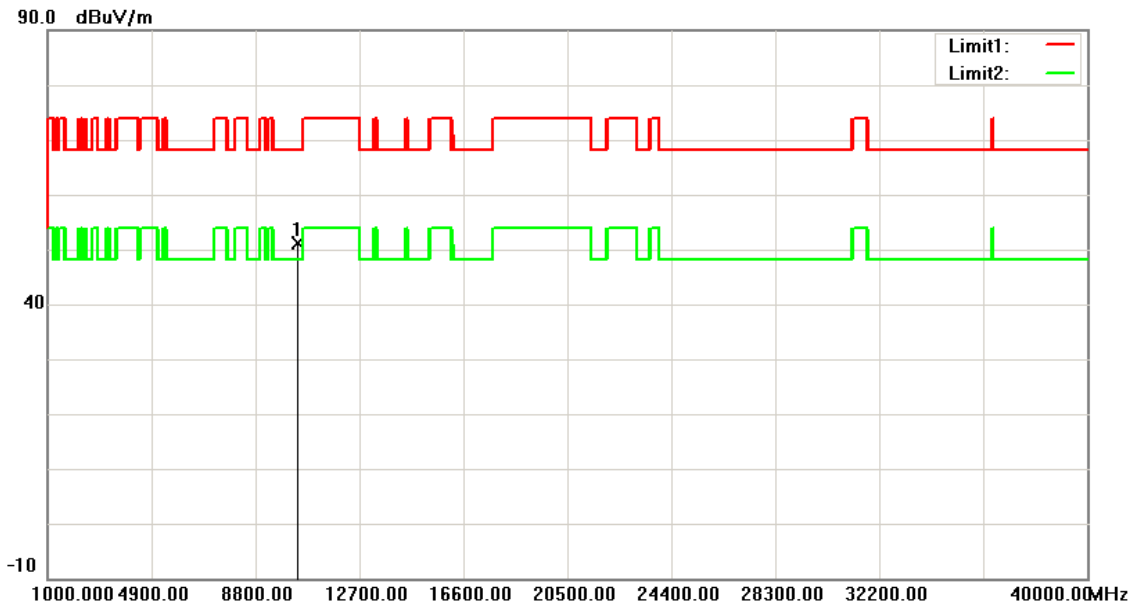
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	53.80	6.58	60.38	74.00	-13.62	peak
2	11650.000	46.08	6.58	52.66	54.00	-1.34	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



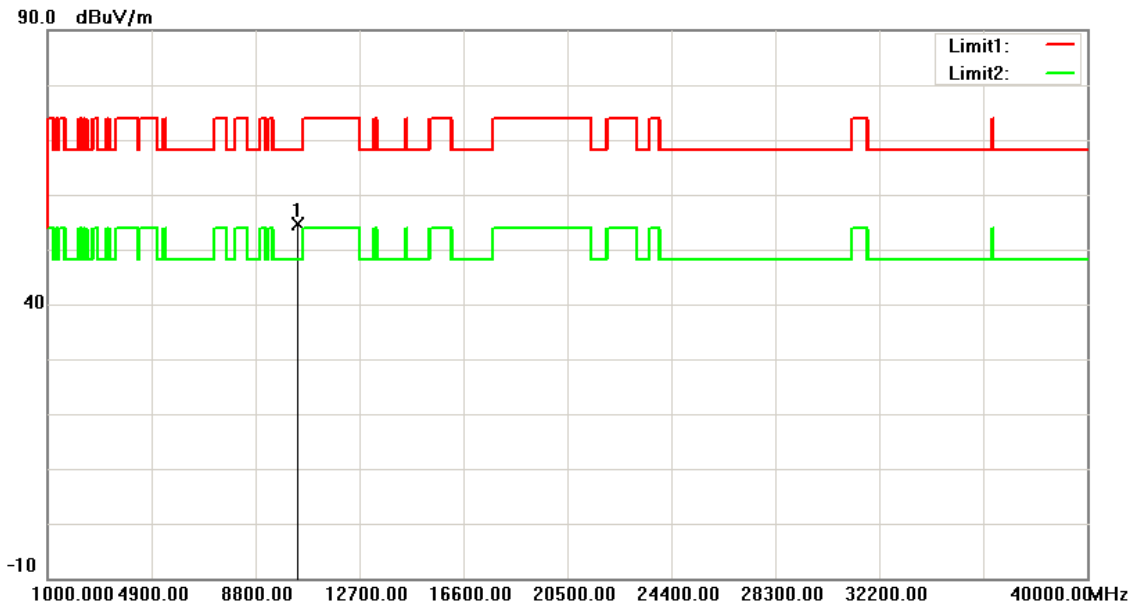
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	46.00	5.01	51.01	68.20	-17.19	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



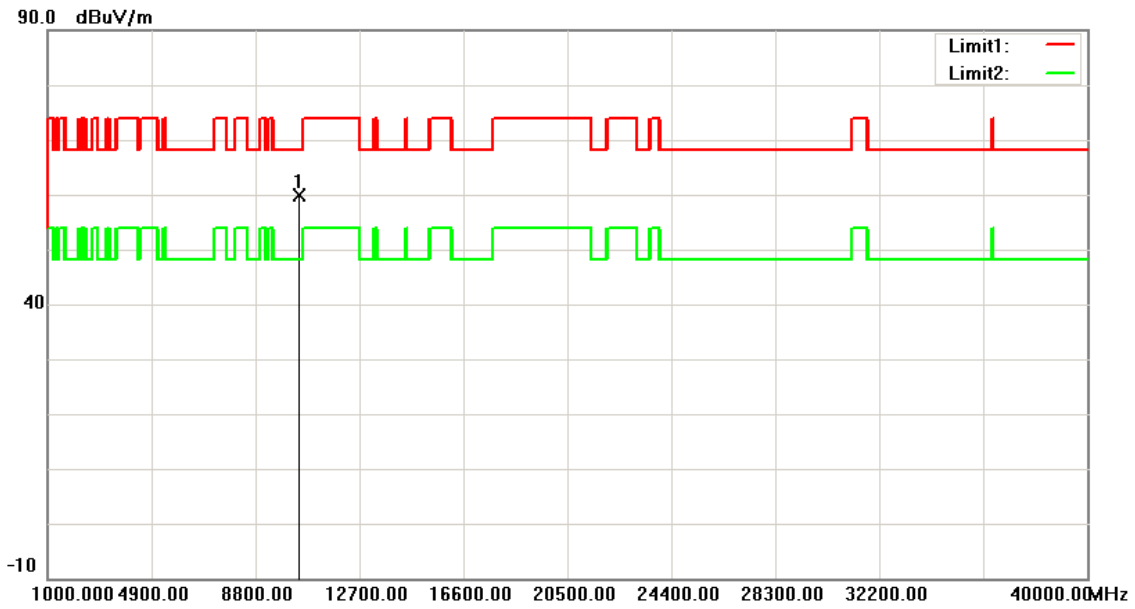
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.52	5.01	54.53	68.20	-13.67	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



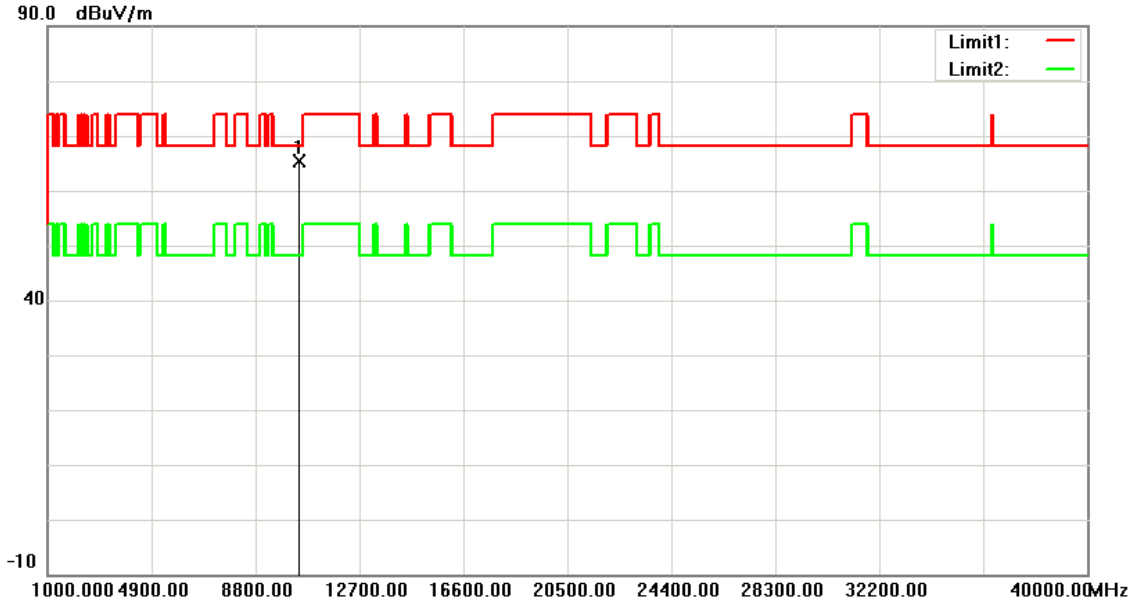
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	54.56	5.22	59.78	68.20	-8.42	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



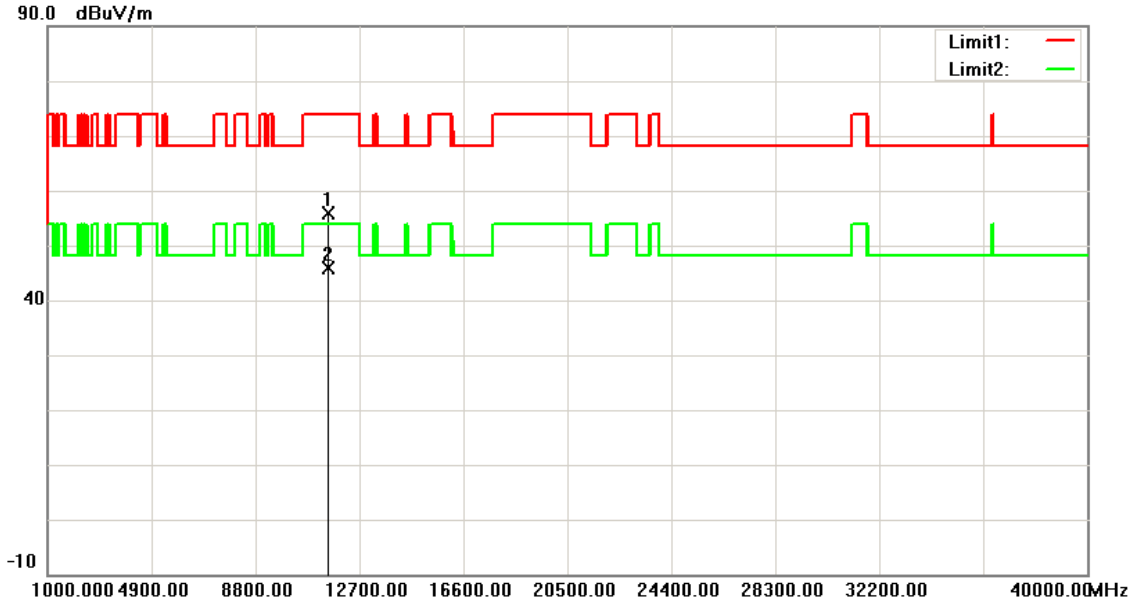
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	60.19	5.22	65.41	68.20	-2.79	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



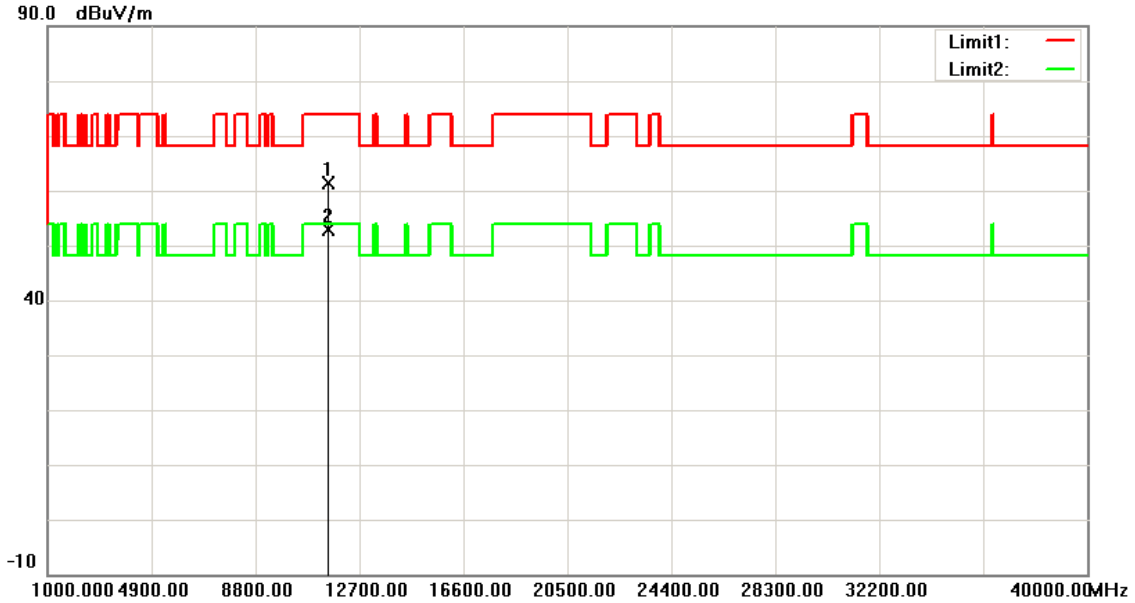
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	49.78	6.17	55.95	74.00	-18.05	peak
2	11510.000	39.76	6.17	45.93	54.00	-8.07	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



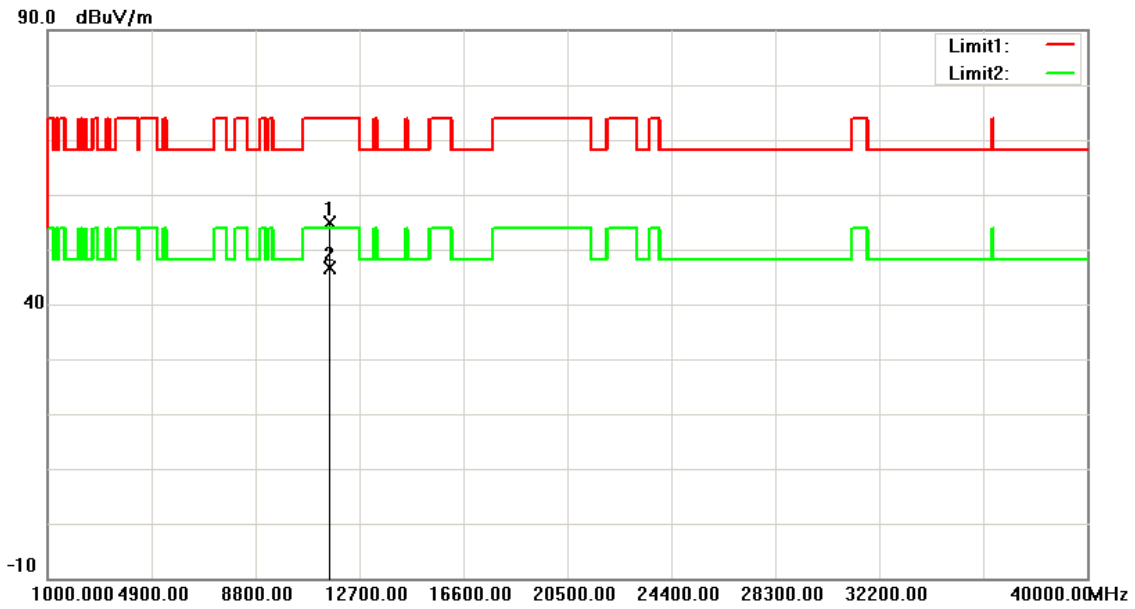
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	55.29	6.17	61.46	74.00	-12.54	peak
2	11510.000	46.68	6.17	52.85	54.00	-1.15	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



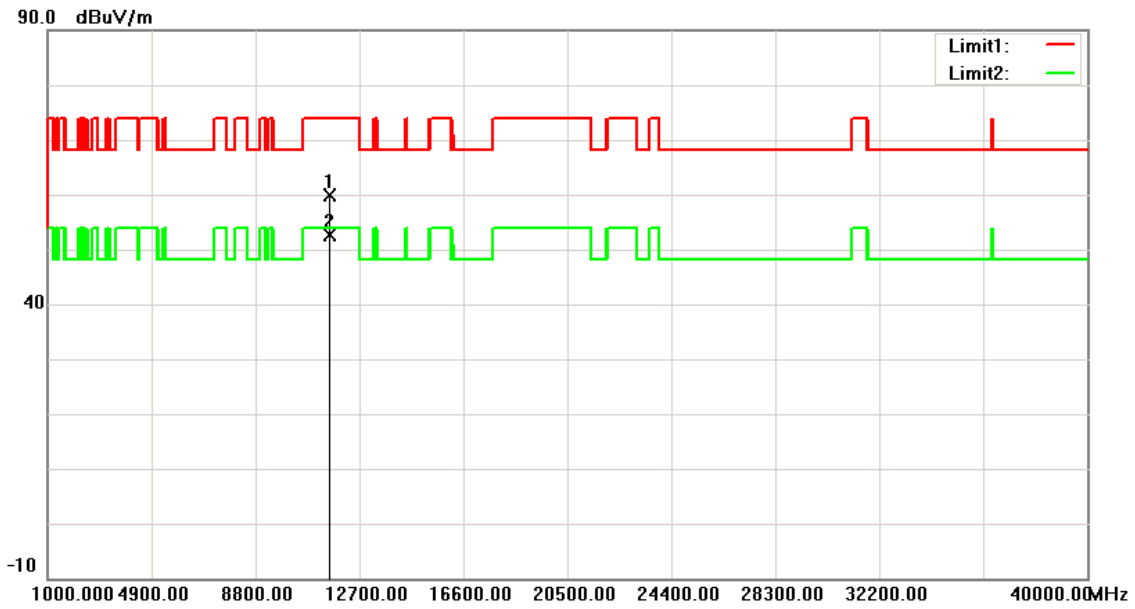
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.54	6.41	54.95	74.00	-19.05	peak
2	11590.000	40.21	6.41	46.62	54.00	-7.38	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



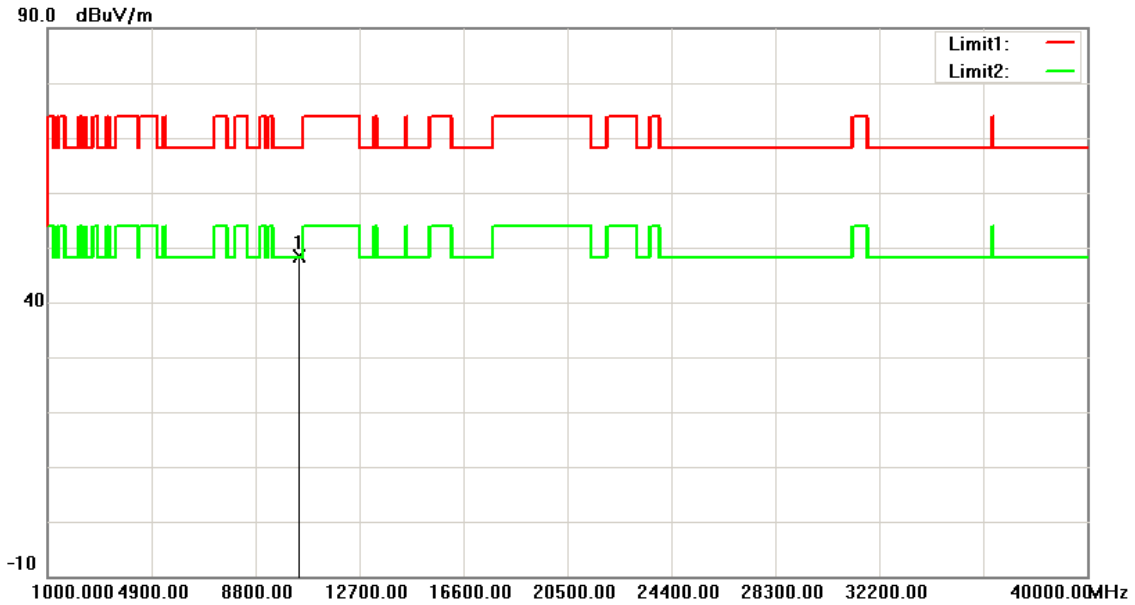
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	53.52	6.41	59.93	74.00	-14.07	peak
2	11590.000	46.28	6.41	52.69	54.00	-1.31	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



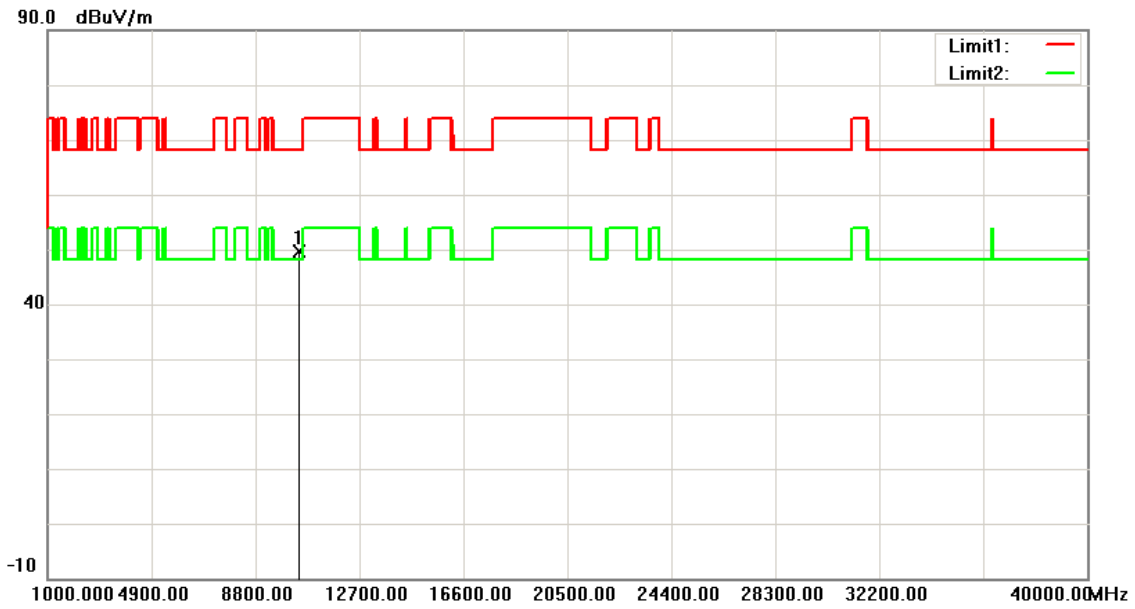
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	43.38	5.11	48.49	68.20	-19.71	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



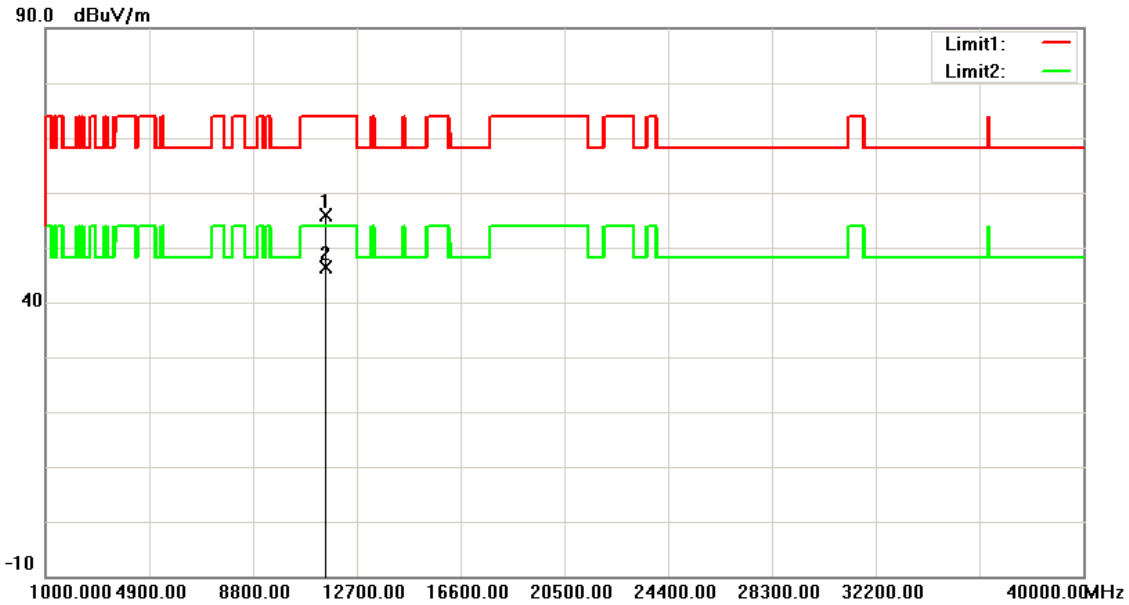
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	44.54	5.11	49.65	68.20	-18.55	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



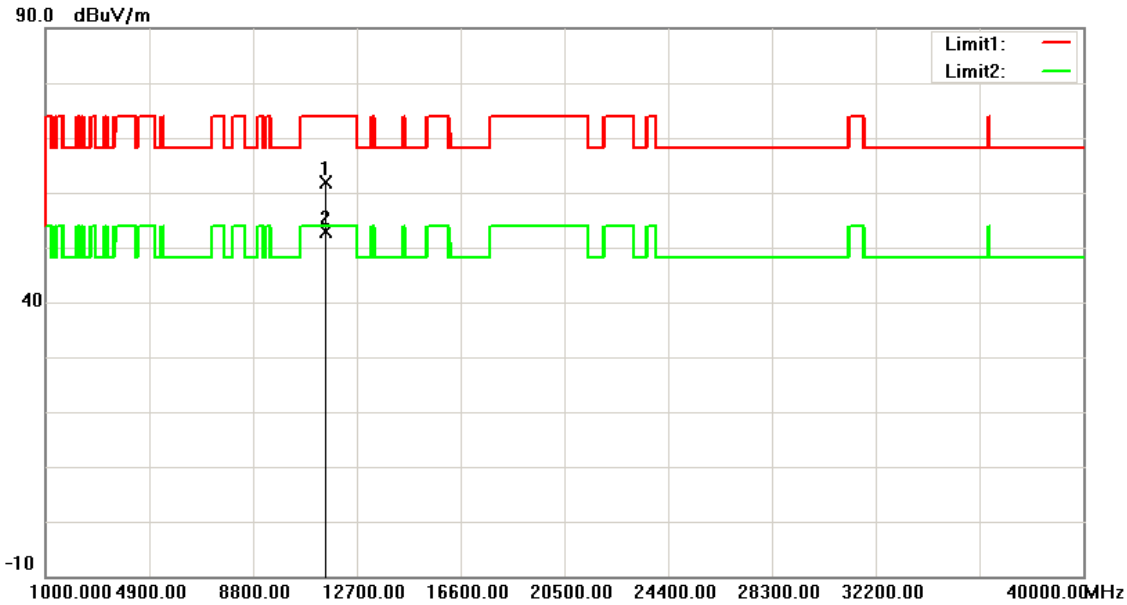
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	49.62	6.29	55.91	74.00	-18.09	peak
2	11550.000	40.07	6.29	46.36	54.00	-7.64	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



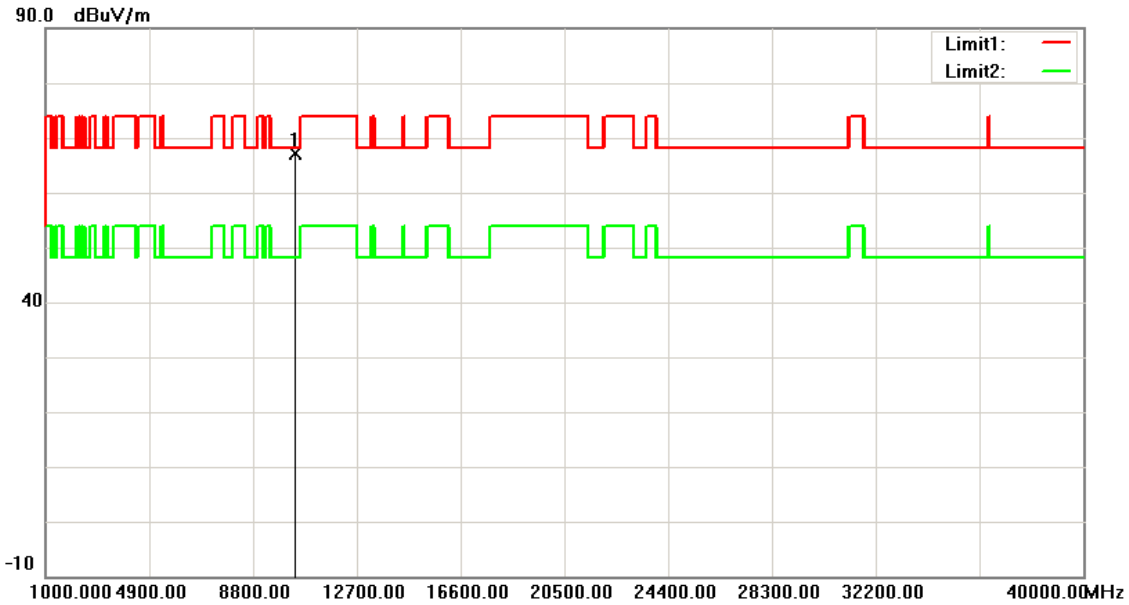
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	55.48	6.29	61.77	74.00	-12.23	peak
2	11550.000	46.63	6.29	52.92	54.00	-1.08	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



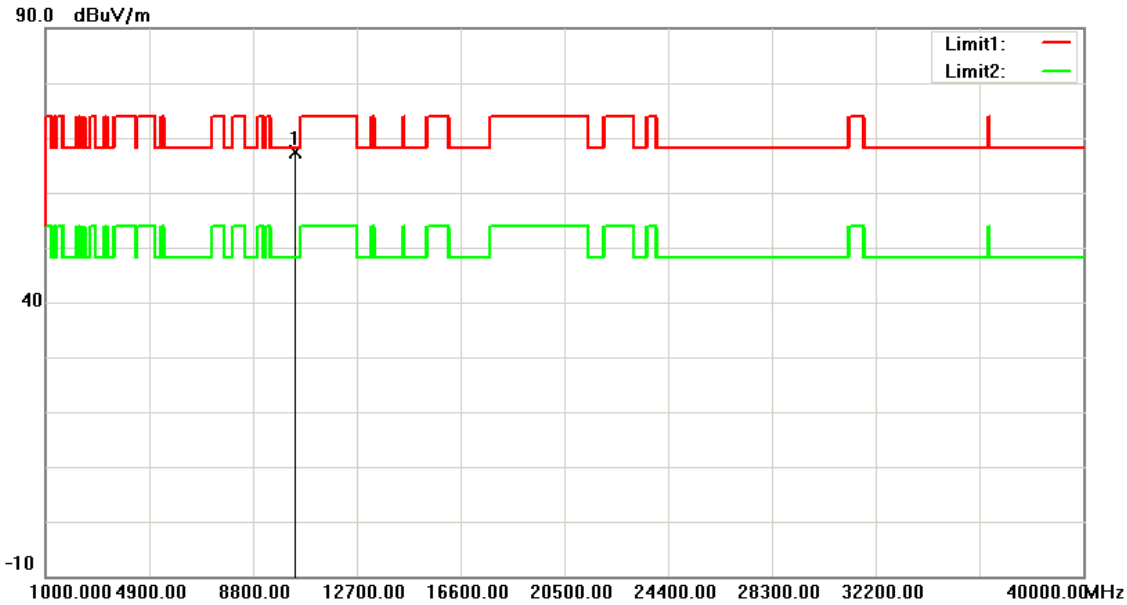
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.24	4.97	67.21	68.20	-0.99	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



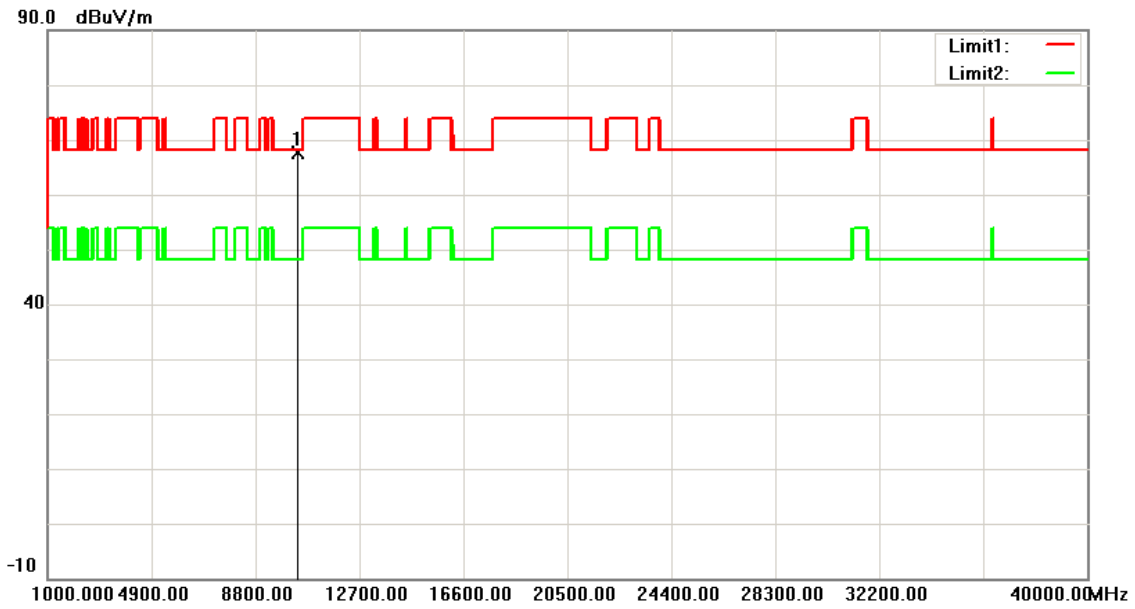
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.34	4.97	67.31	68.20	-0.89	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



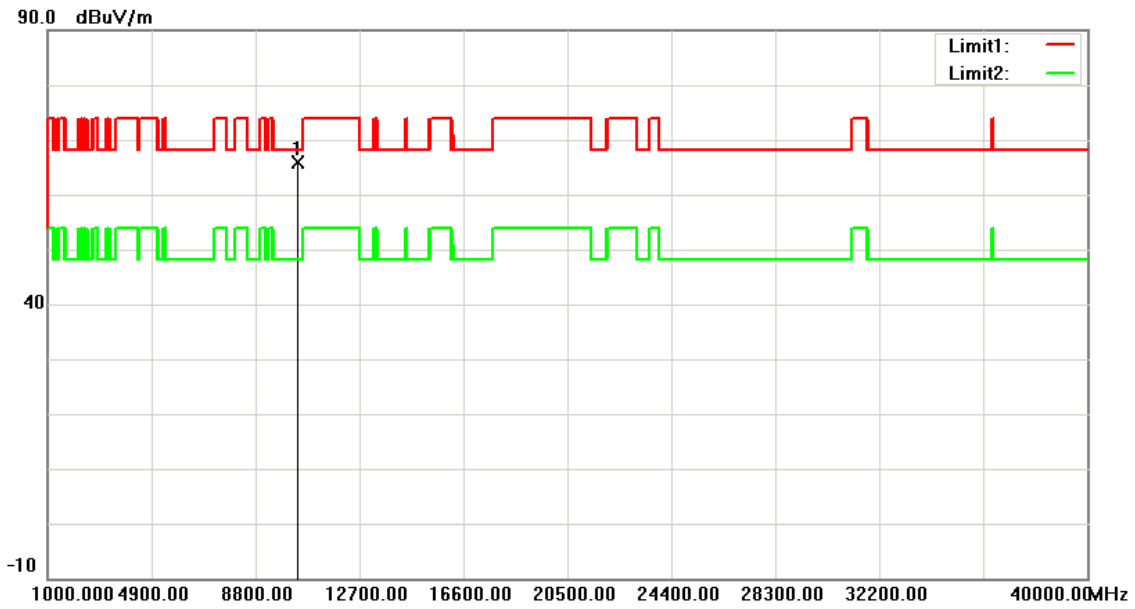
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	62.59	5.07	67.66	68.20	-0.54	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



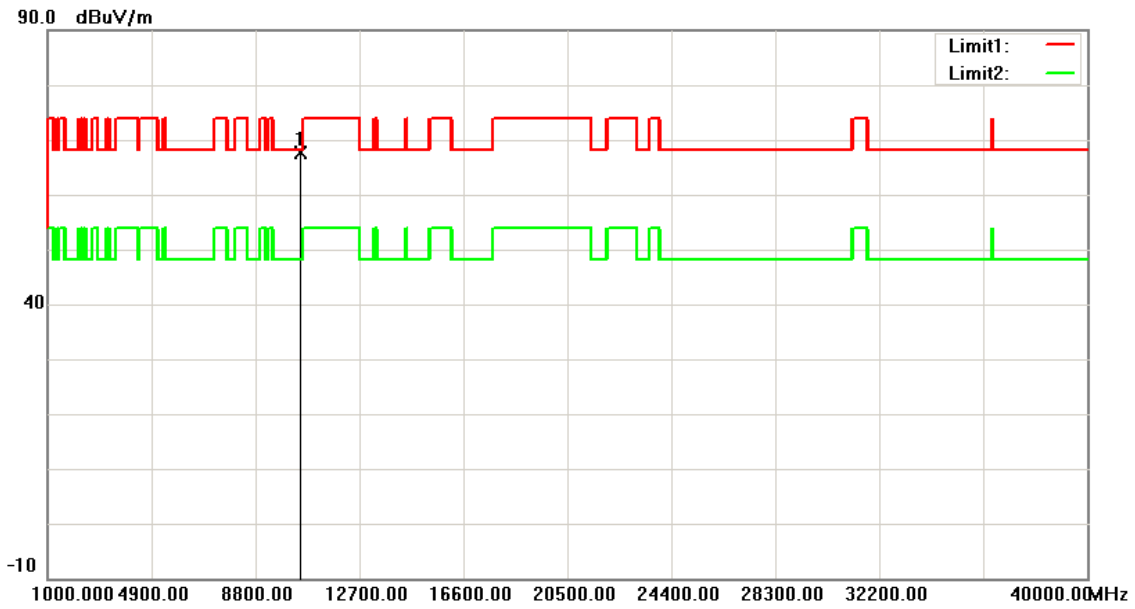
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	60.71	5.07	65.78	68.20	-2.42	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



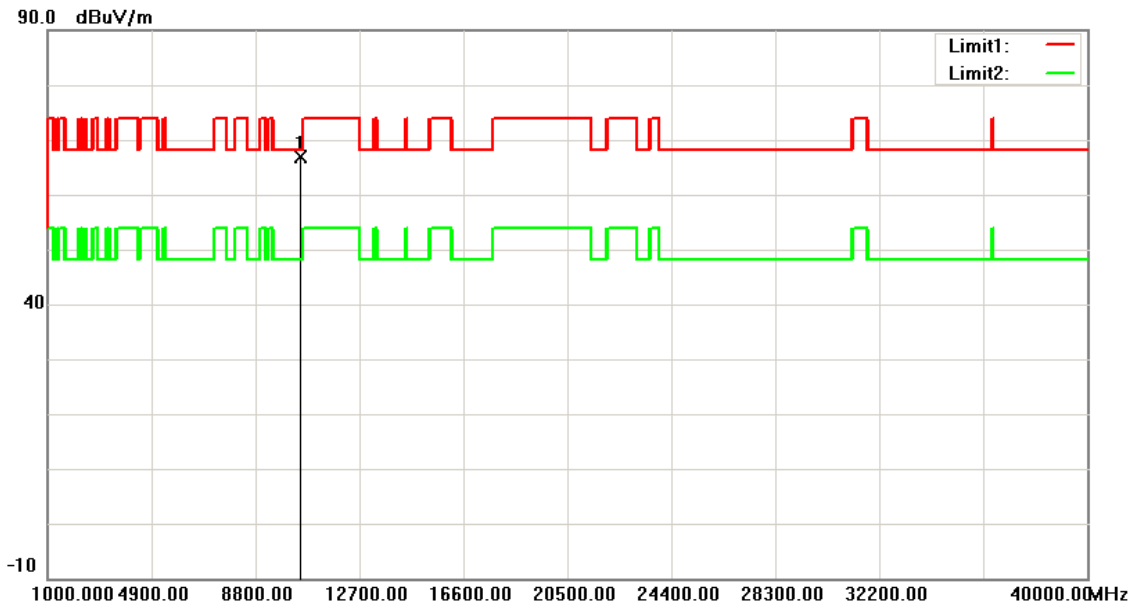
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	62.27	5.25	67.52	68.20	-0.68	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



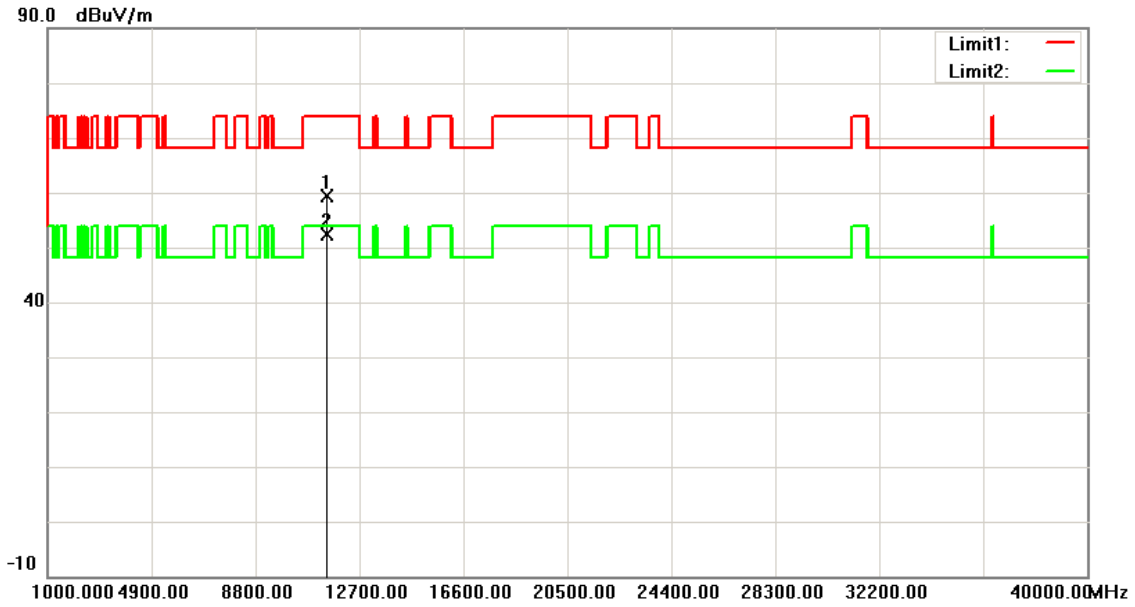
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	61.62	5.25	66.87	68.20	-1.33	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



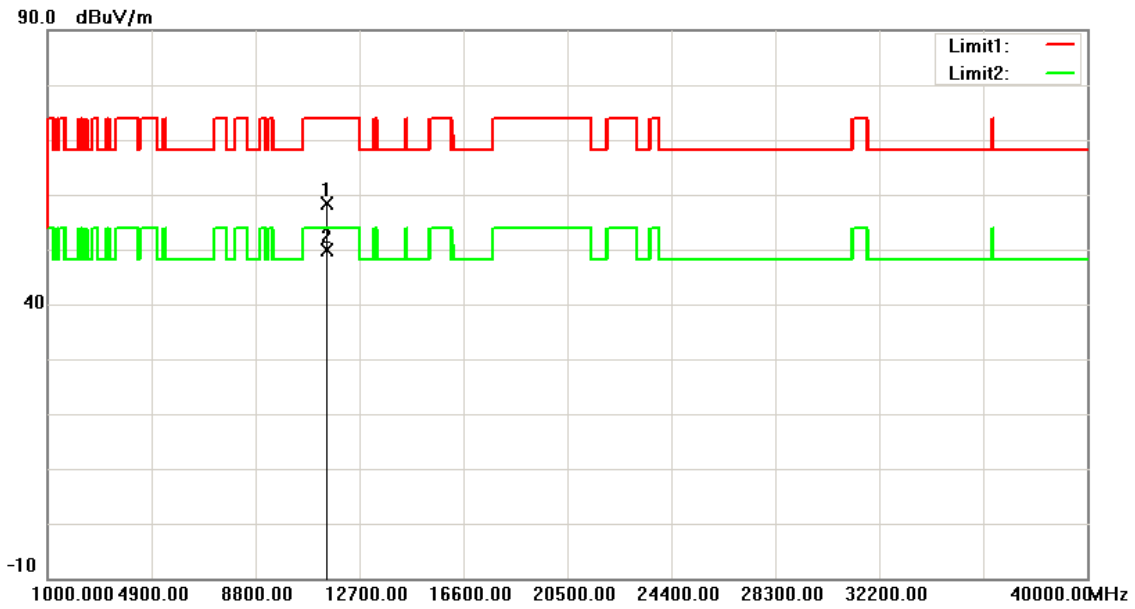
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	53.17	6.14	59.31	74.00	-14.69	peak
2	11490.000	46.31	6.14	52.45	54.00	-1.55	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



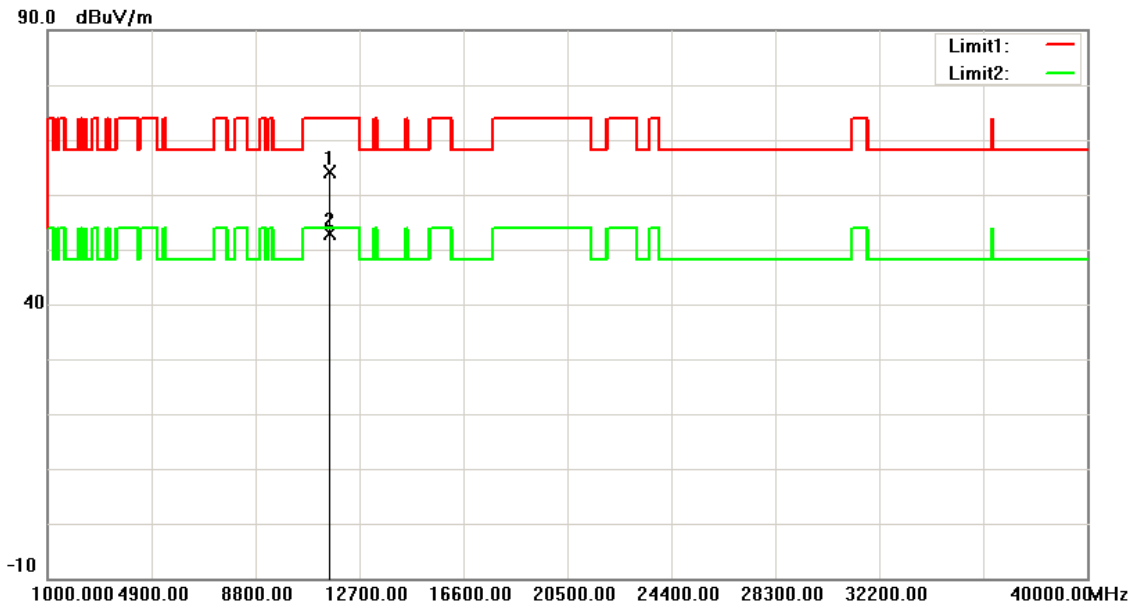
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	52.31	6.14	58.45	74.00	-15.55	peak
2	11490.000	43.79	6.14	49.93	54.00	-4.07	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



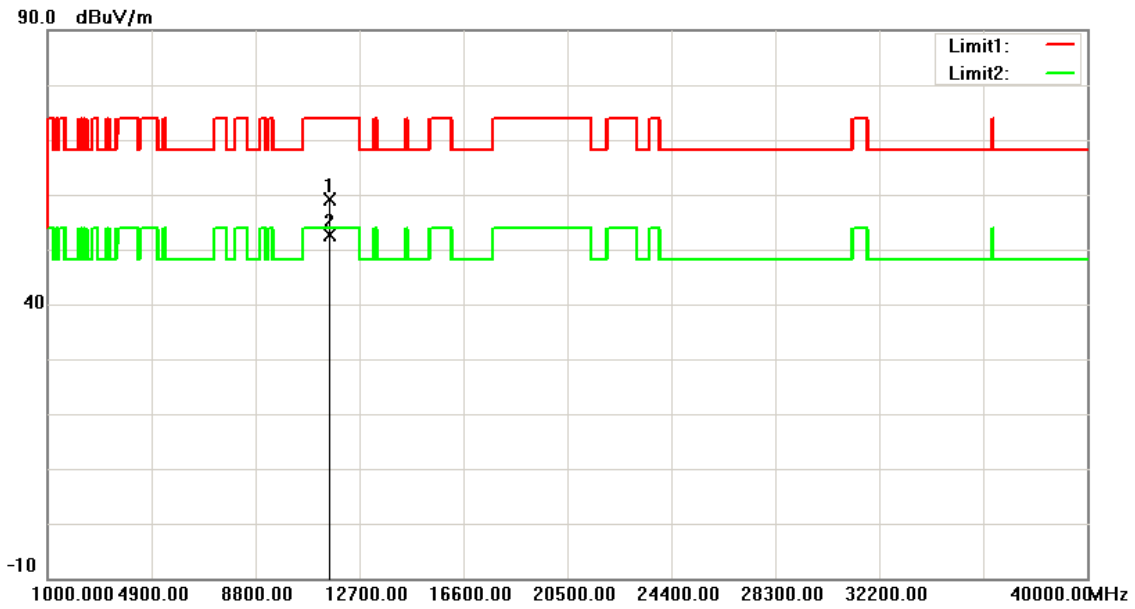
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	57.68	6.35	64.03	74.00	-9.97	peak
2	11570.000	46.48	6.35	52.83	54.00	-1.17	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



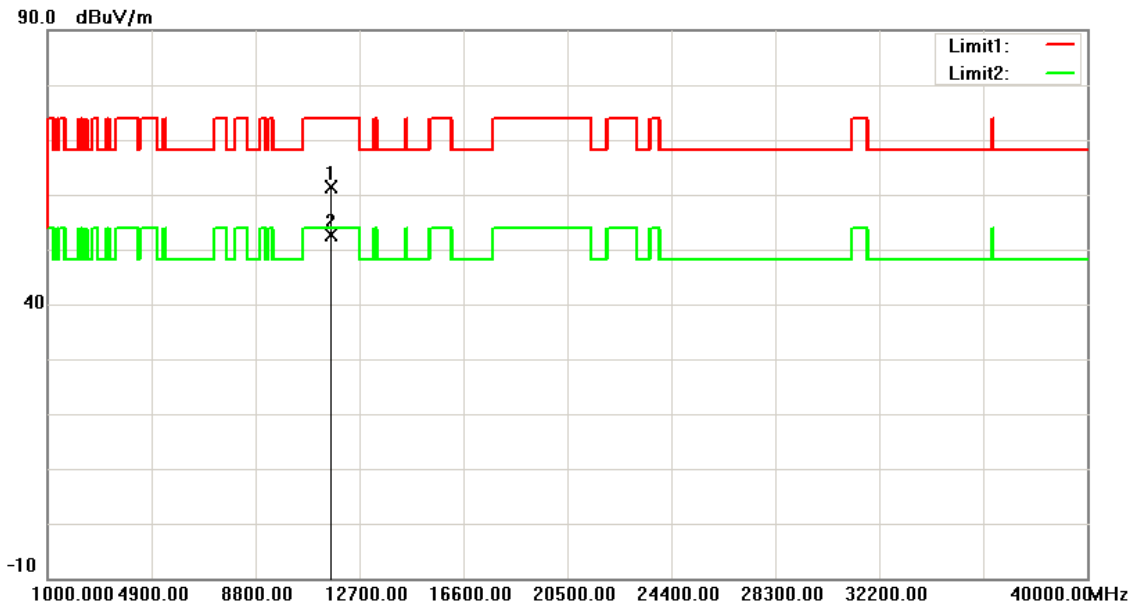
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	52.84	6.35	59.19	74.00	-14.81	peak
2	11570.000	46.21	6.35	52.56	54.00	-1.44	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



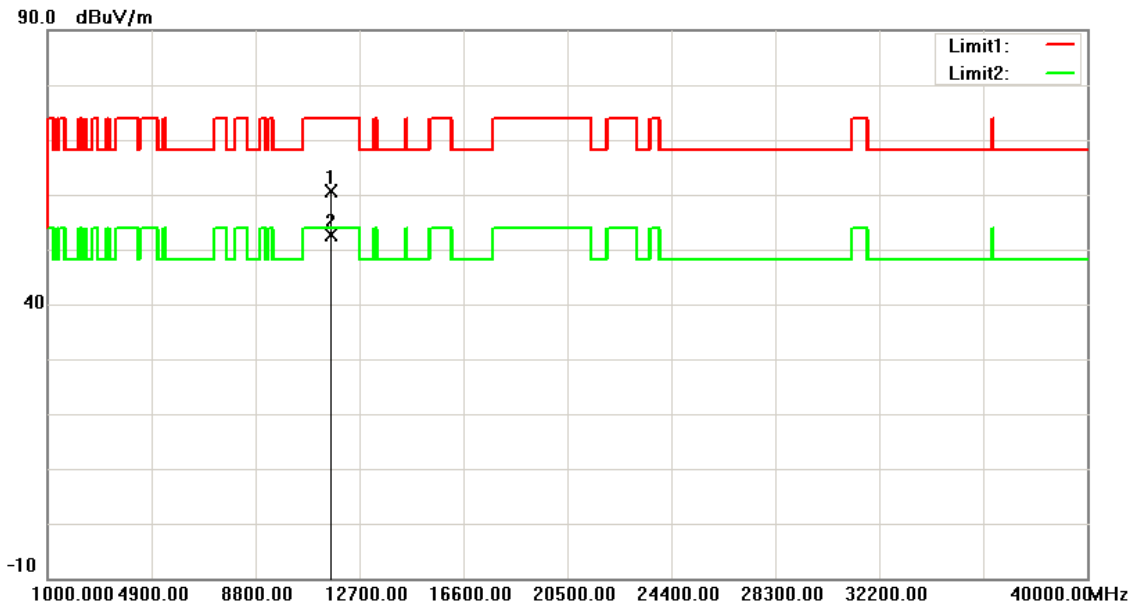
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	54.73	6.58	61.31	74.00	-12.69	peak
2	11650.000	46.12	6.58	52.70	54.00	-1.30	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



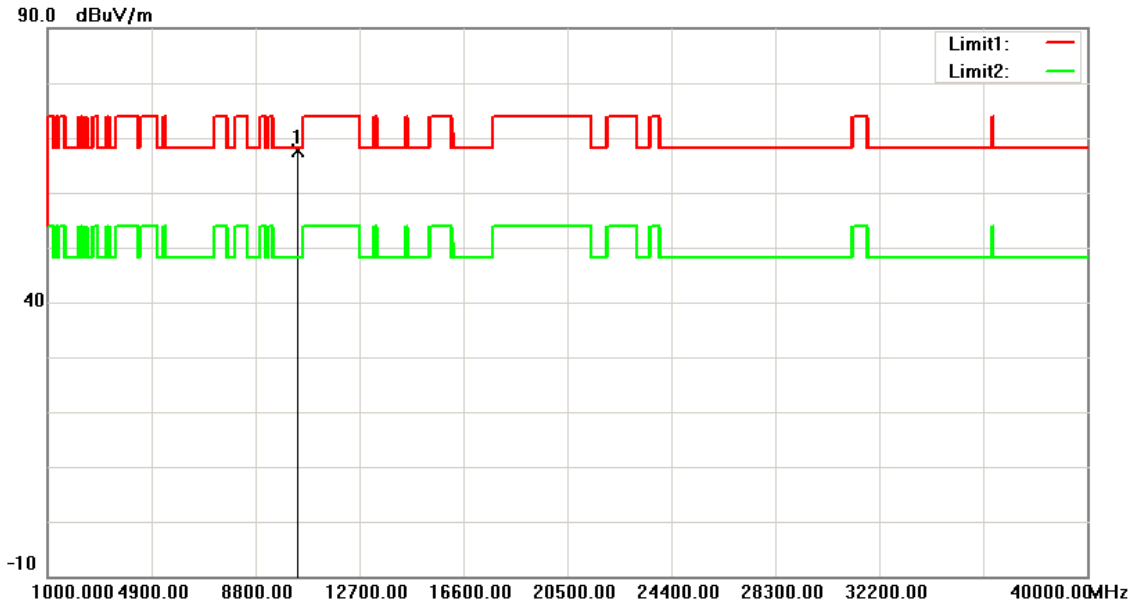
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	54.03	6.58	60.61	74.00	-13.39	peak
2	11650.000	46.06	6.58	52.64	54.00	-1.36	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



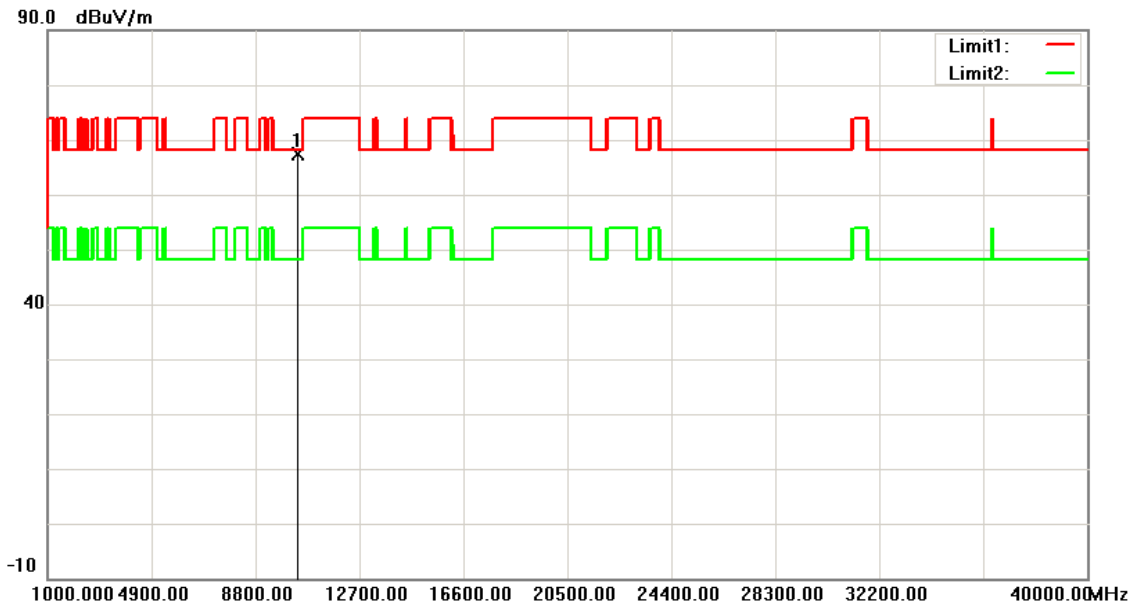
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.57	4.97	67.54	68.20	-0.66	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



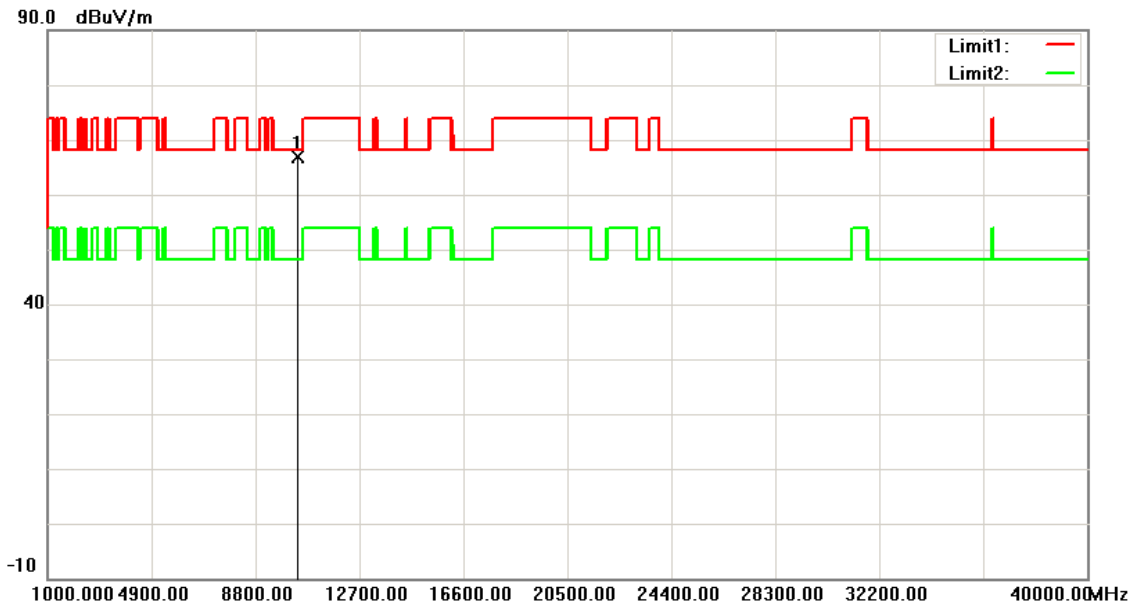
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.41	4.97	67.38	68.20	-0.82	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



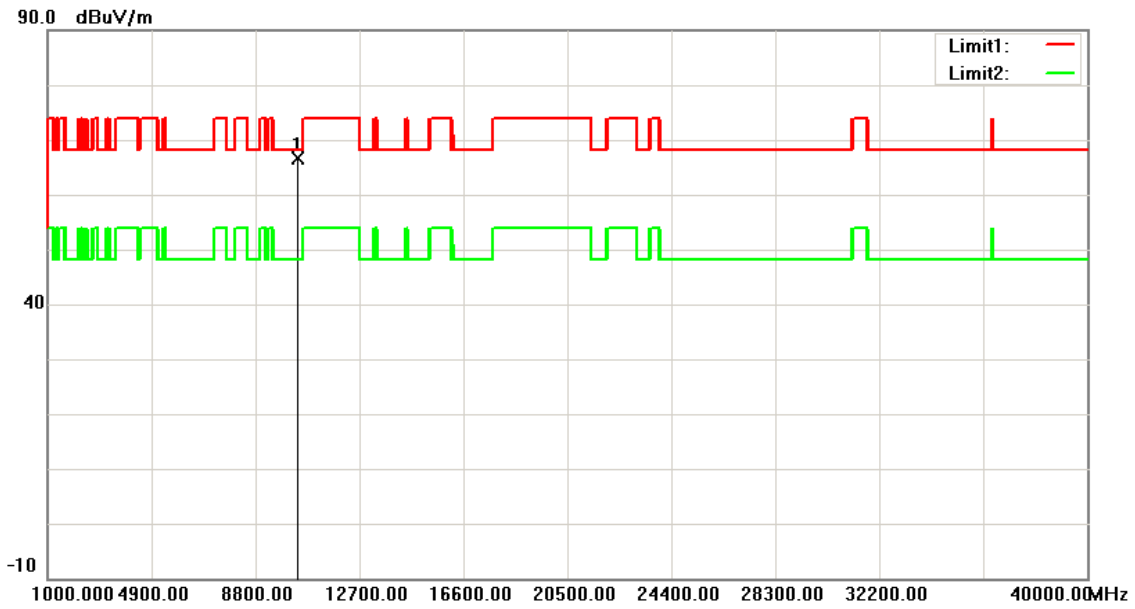
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	61.85	5.07	66.92	68.20	-1.28	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



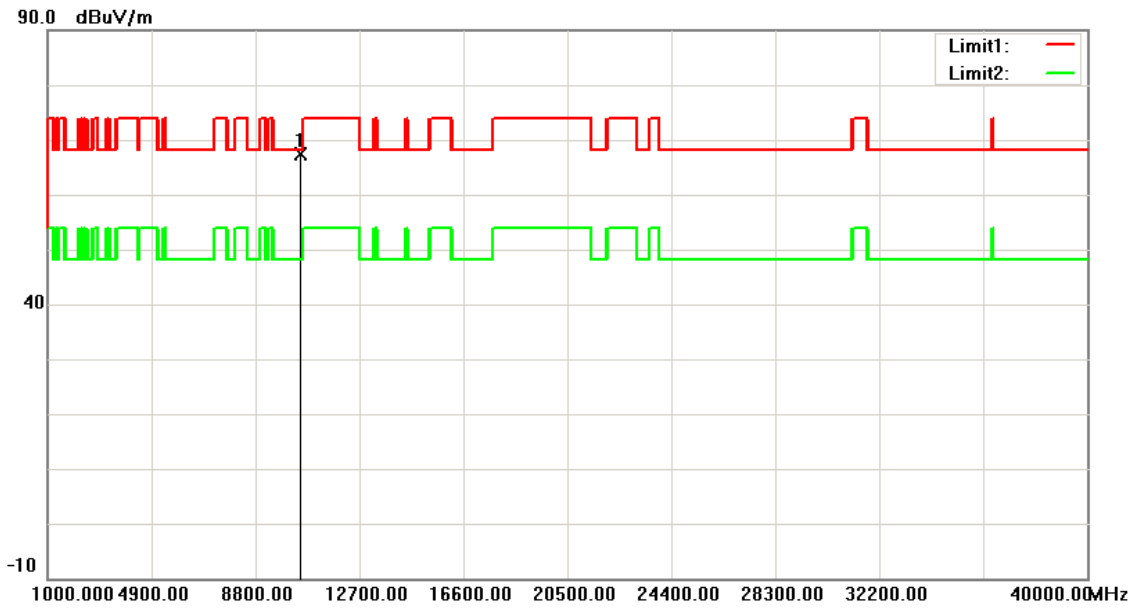
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	61.44	5.07	66.51	68.20	-1.69	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



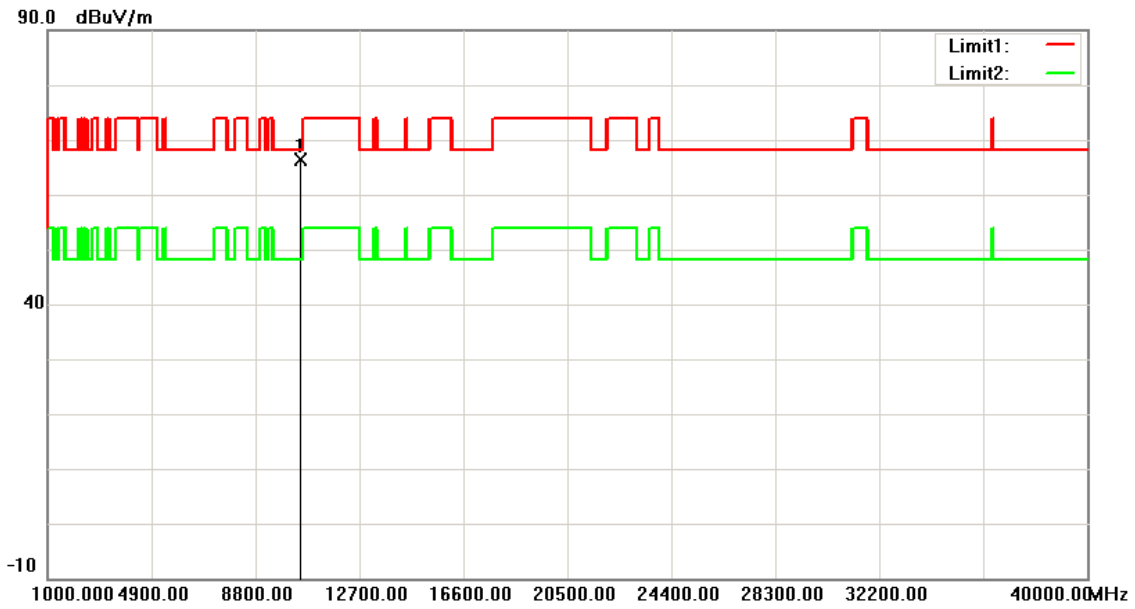
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	62.18	5.25	67.43	68.20	-0.77	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



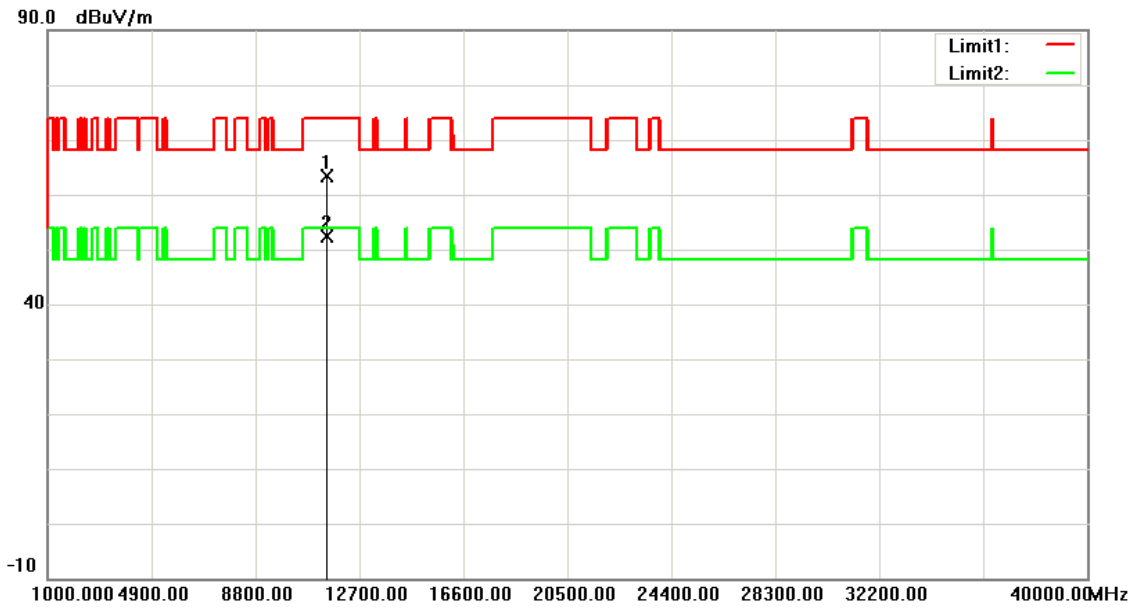
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	61.01	5.25	66.26	68.20	-1.94	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



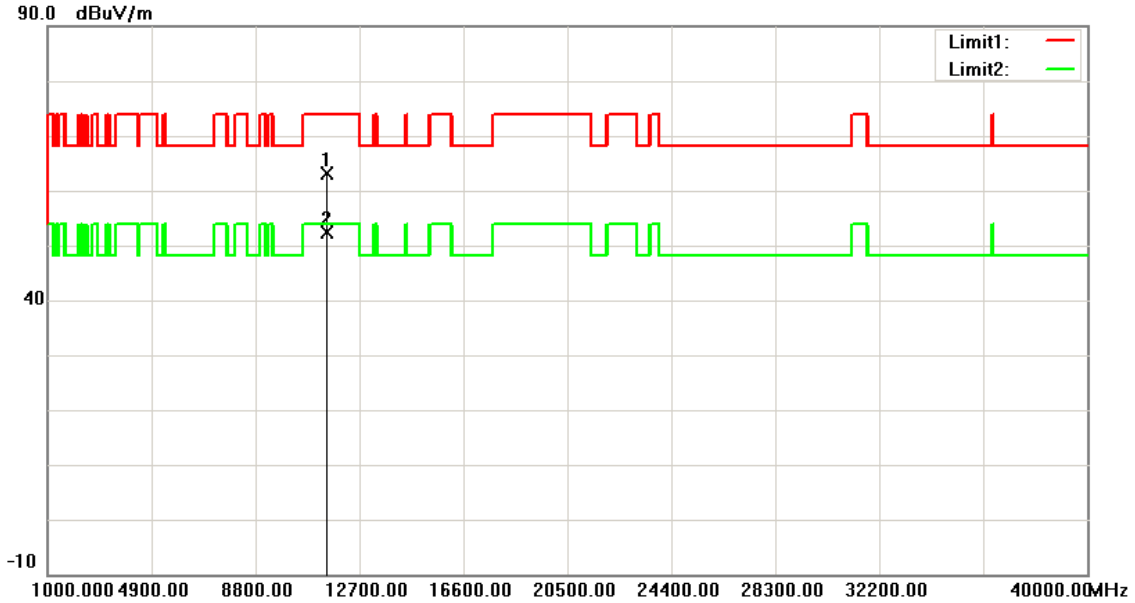
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	57.14	6.14	63.28	74.00	-10.72	peak
2	11490.000	46.36	6.14	52.50	54.00	-1.50	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



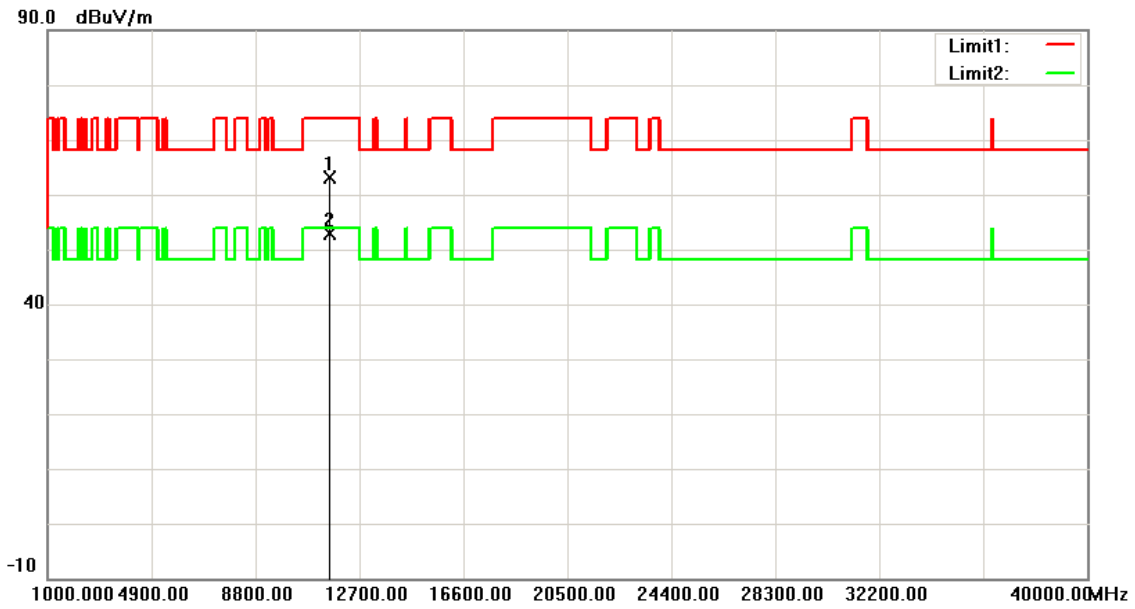
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	56.92	6.14	63.06	74.00	-10.94	peak
2	11490.000	46.27	6.14	52.41	54.00	-1.59	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



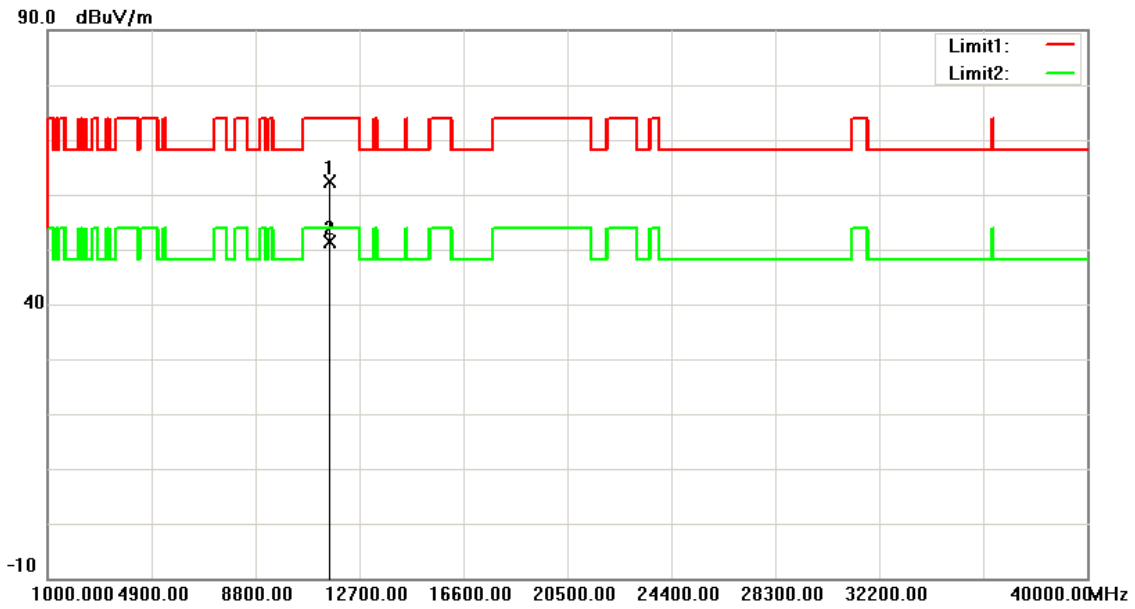
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	56.85	6.35	63.20	74.00	-10.80	peak
2	11570.000	46.51	6.35	52.86	54.00	-1.14	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



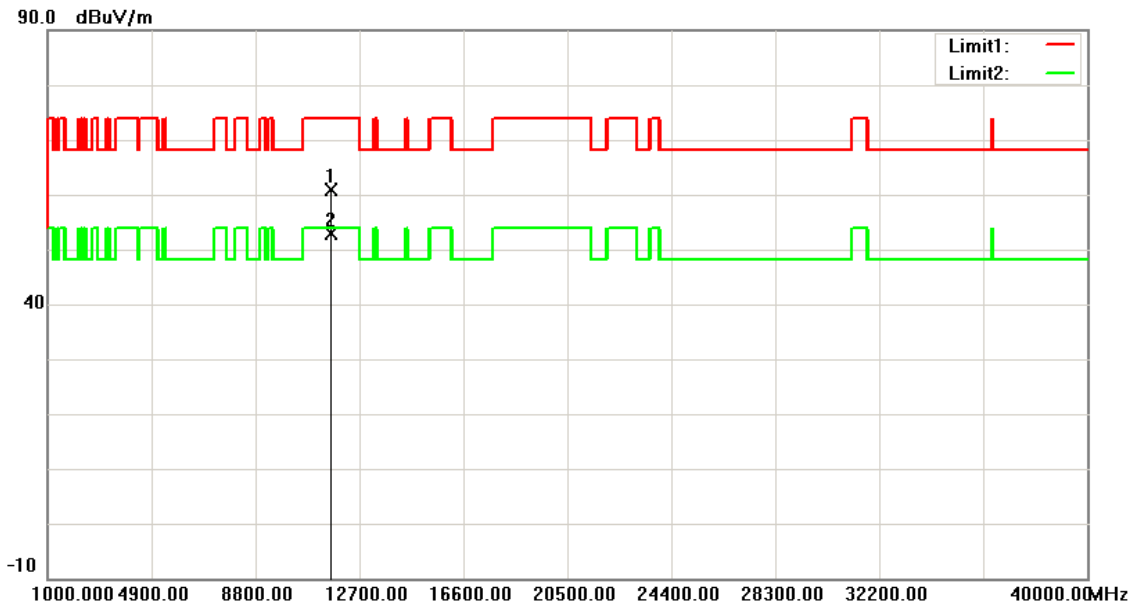
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	56.10	6.35	62.45	74.00	-11.55	peak
2	11570.000	45.10	6.35	51.45	54.00	-2.55	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



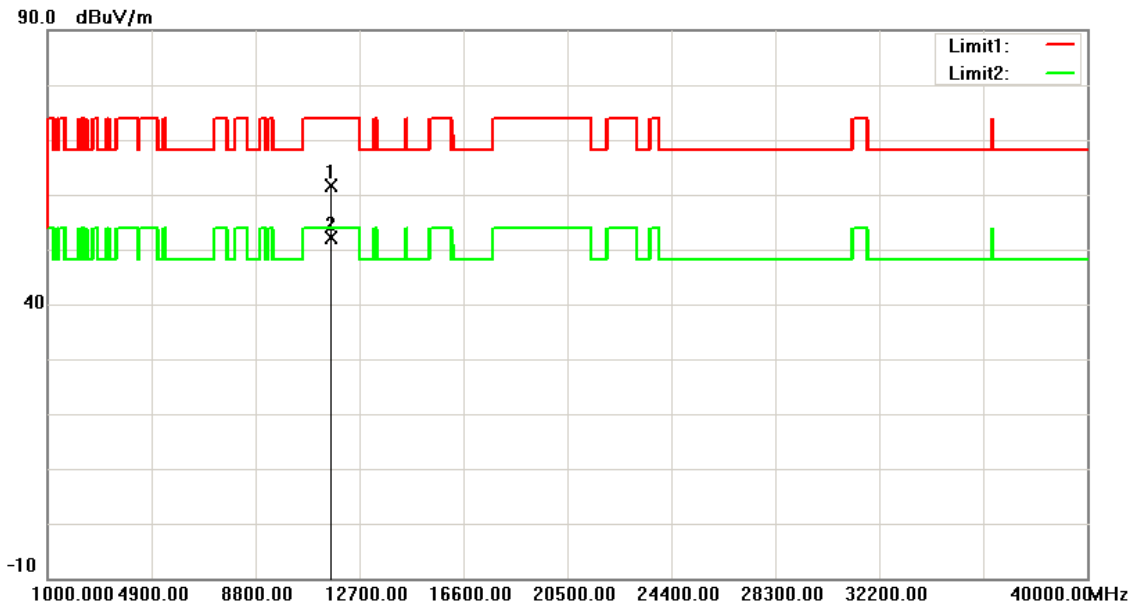
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	54.31	6.58	60.89	74.00	-13.11	peak
2	11650.000	46.27	6.58	52.85	54.00	-1.15	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



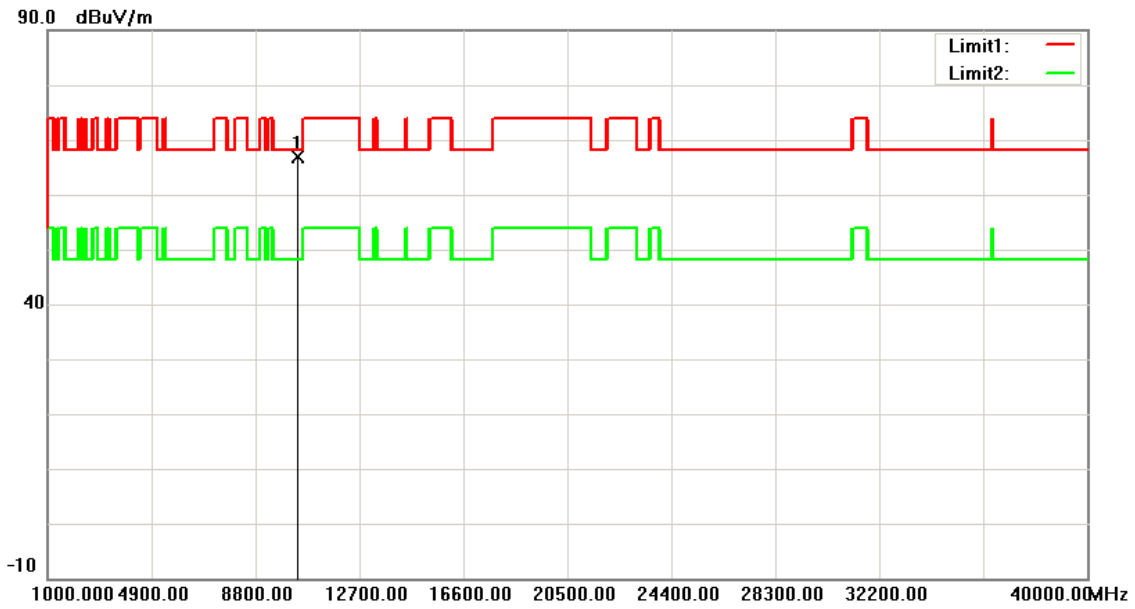
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	55.16	6.58	61.74	74.00	-12.26	peak
2	11650.000	45.48	6.58	52.06	54.00	-1.94	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



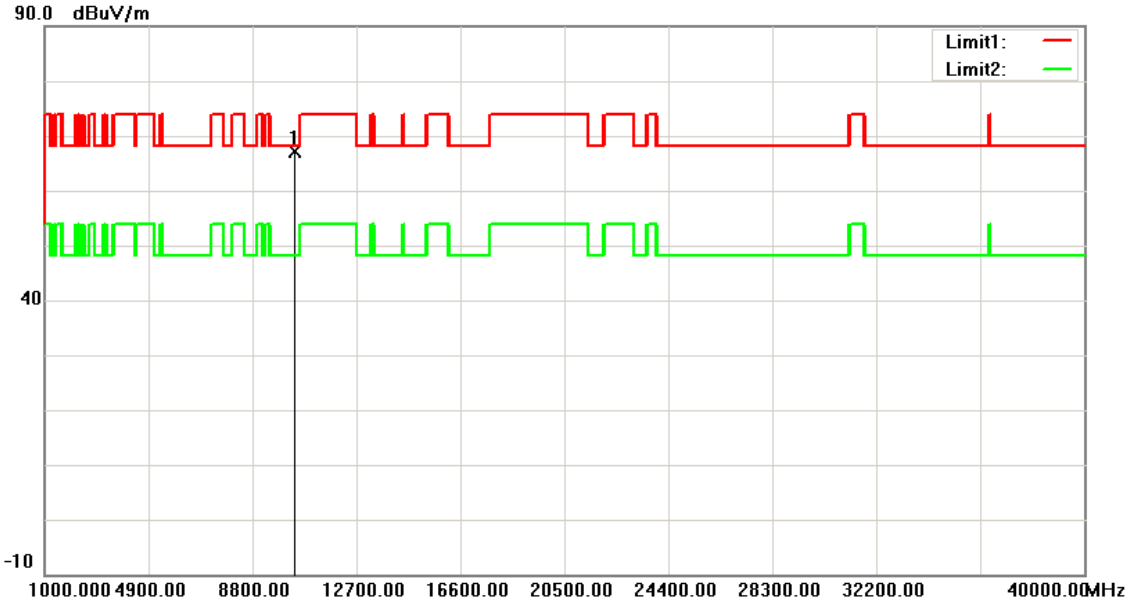
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	61.88	5.01	66.89	68.20	-1.31	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



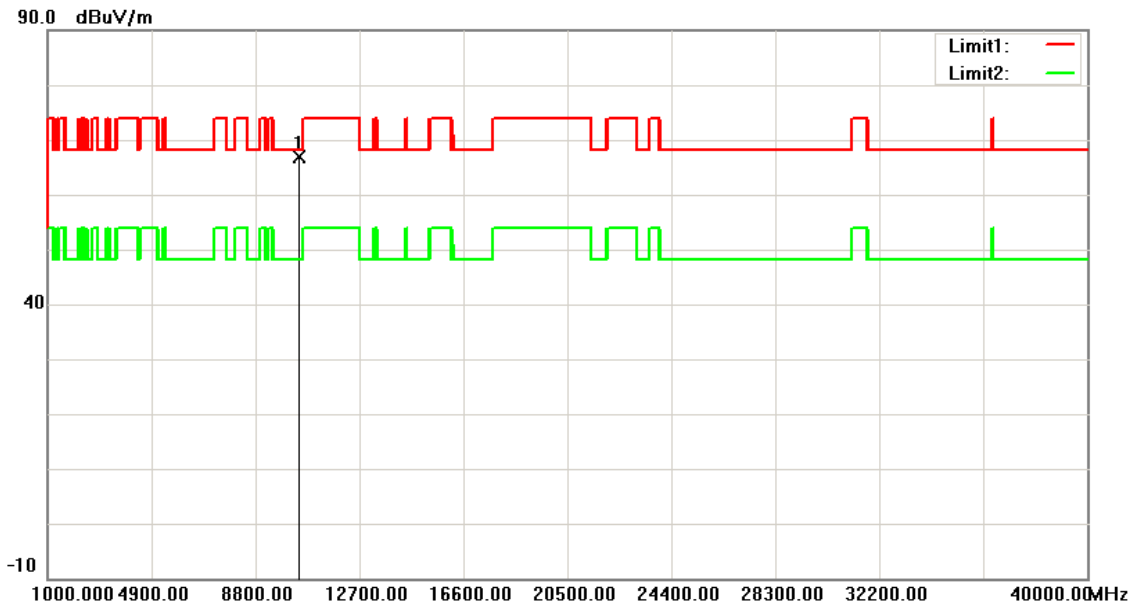
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	62.05	5.01	67.06	68.20	-1.14	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



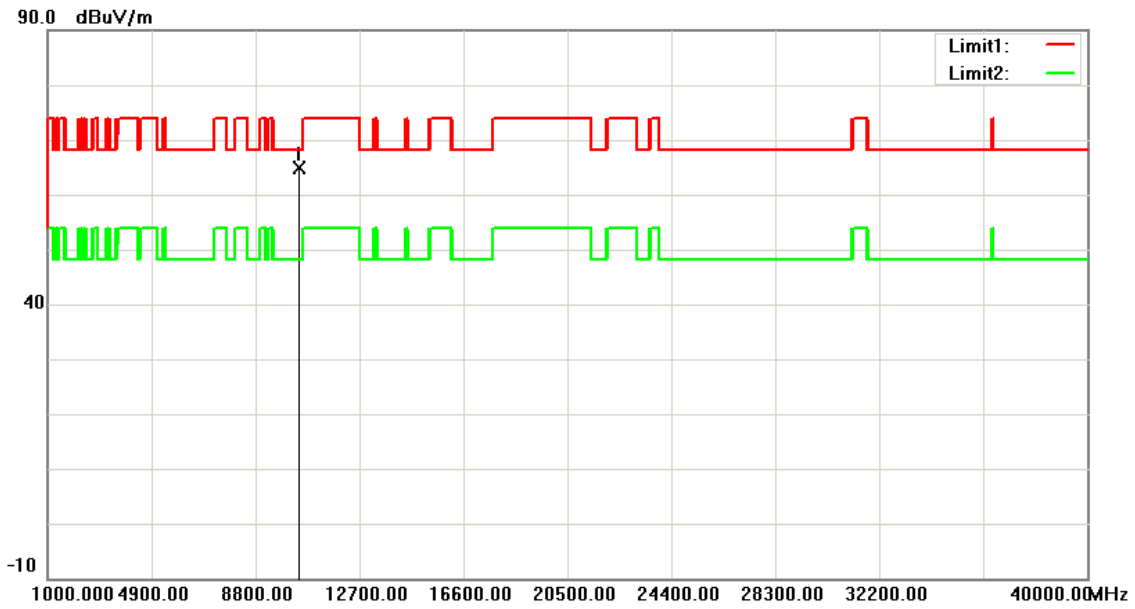
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	61.73	5.22	66.95	68.20	-1.25	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



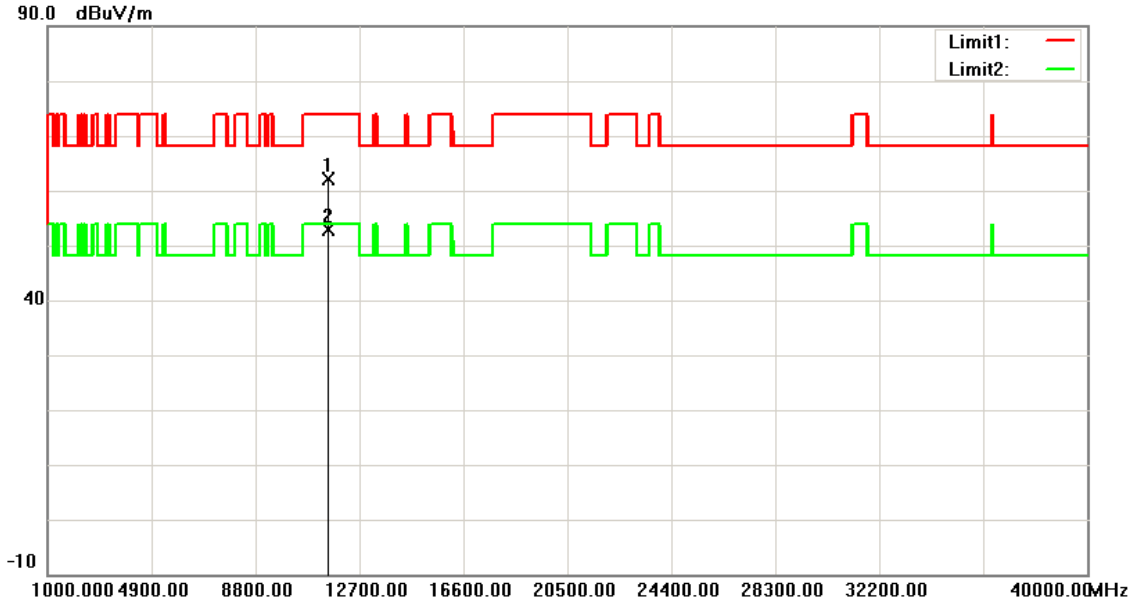
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	59.77	5.22	64.99	68.20	-3.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



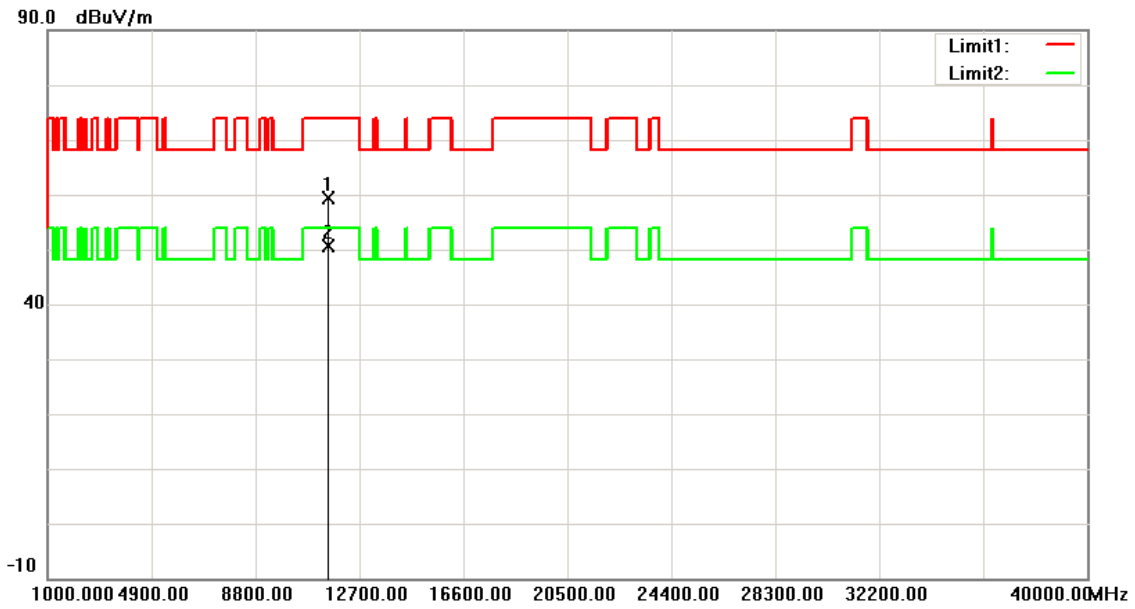
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	56.06	6.17	62.23	74.00	-11.77	peak
2	11510.000	46.82	6.17	52.99	54.00	-1.01	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



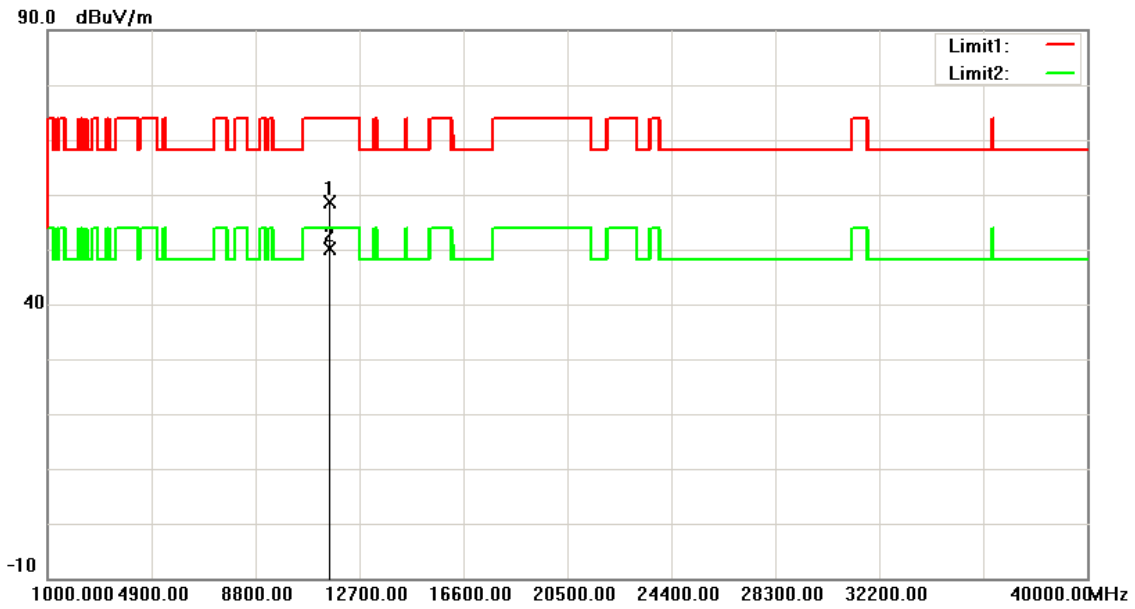
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	53.10	6.17	59.27	74.00	-14.73	peak
2	11510.000	44.56	6.17	50.73	54.00	-3.27	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



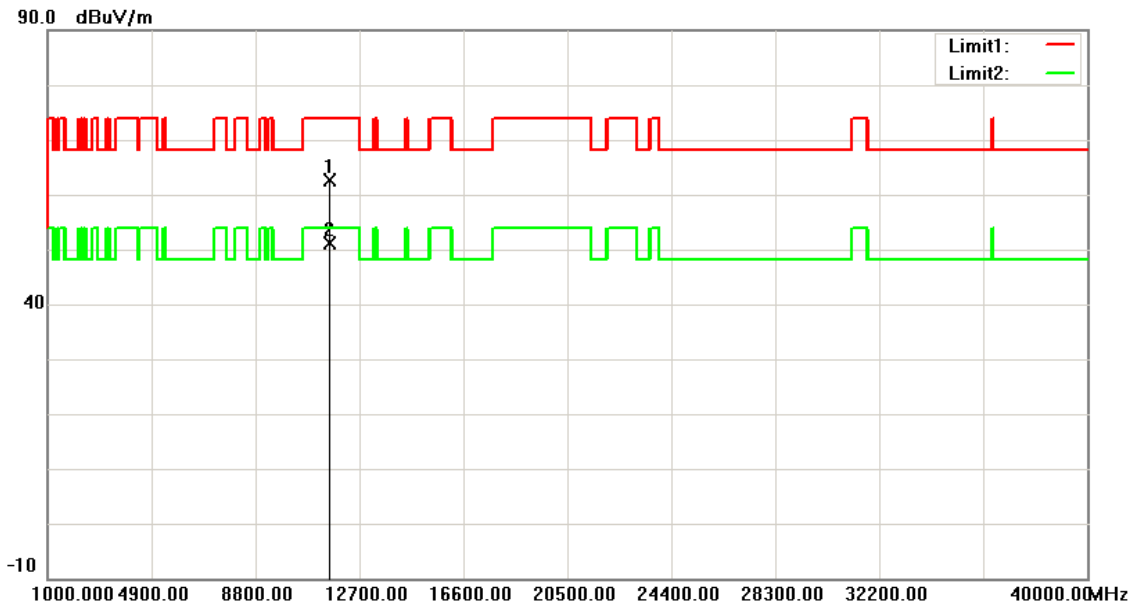
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	52.33	6.41	58.74	74.00	-15.26	peak
2	11590.000	43.74	6.41	50.15	54.00	-3.85	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



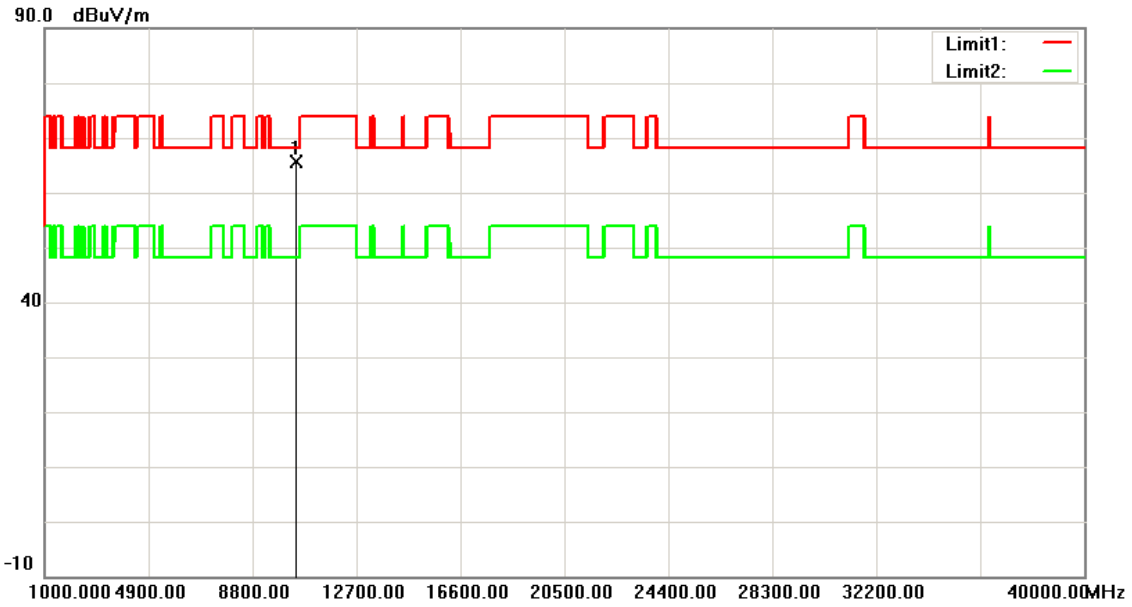
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	56.24	6.41	62.65	74.00	-11.35	peak
2	11590.000	44.63	6.41	51.04	54.00	-2.96	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



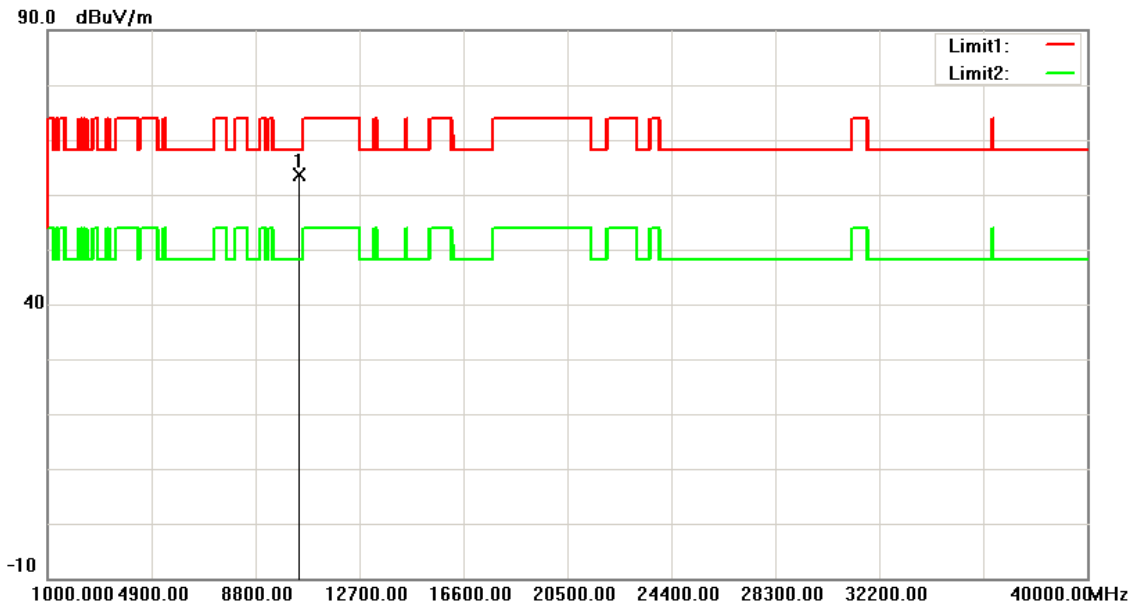
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	60.47	5.11	65.58	68.20	-2.62	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



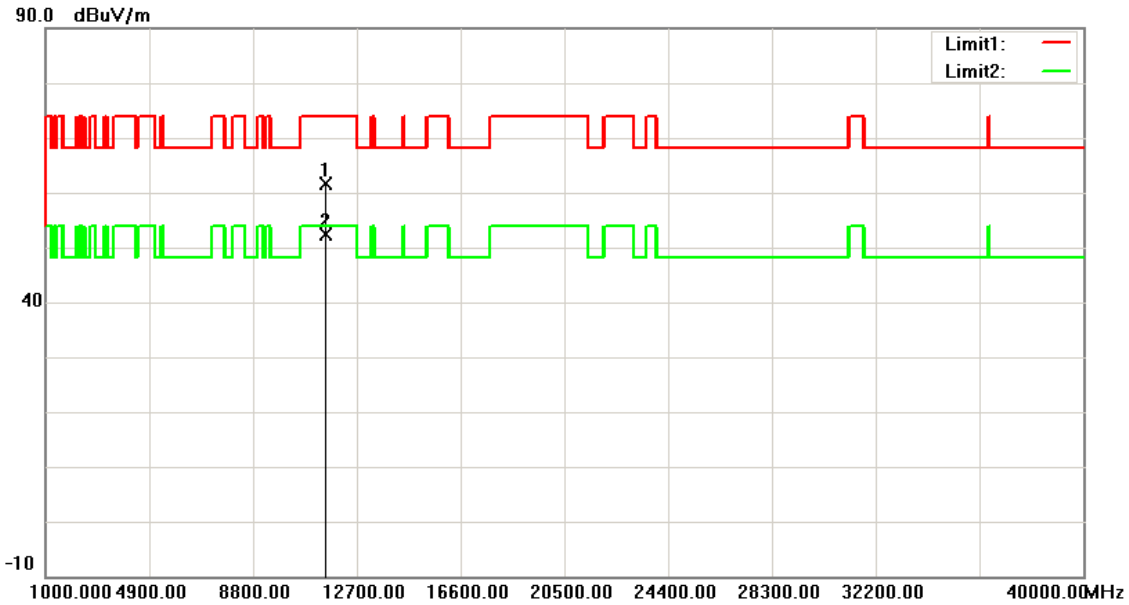
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	58.52	5.11	63.63	68.20	-4.57	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/04/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



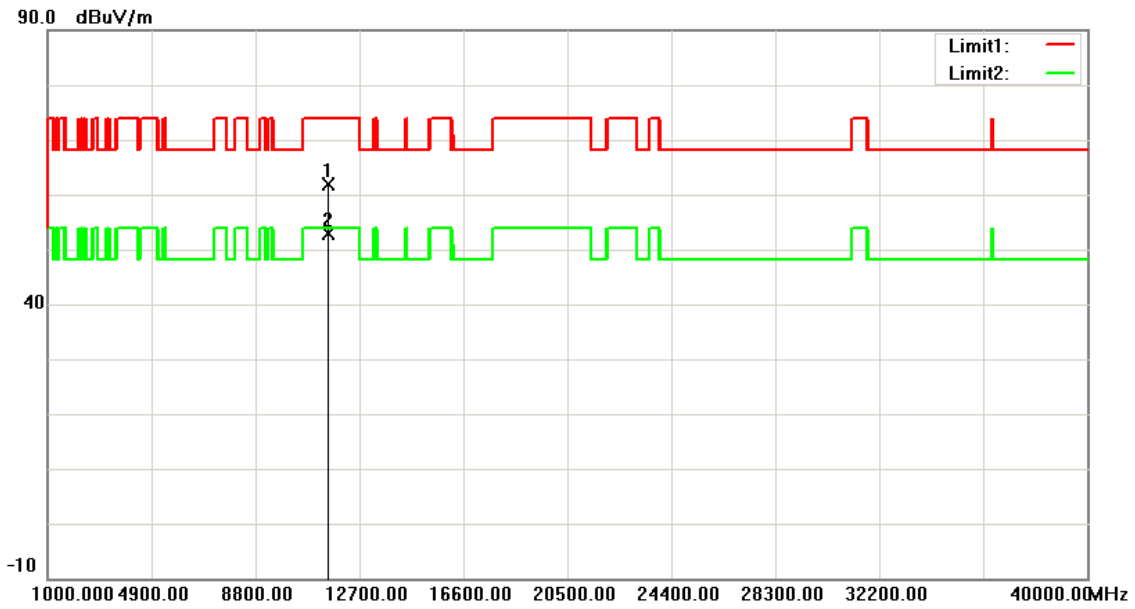
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	55.35	6.29	61.64	74.00	-12.36	peak
2	11550.000	46.07	6.29	52.36	54.00	-1.64	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/04/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	55.67	6.29	61.96	74.00	-12.04	peak
2	11550.000	46.49	6.29	52.78	54.00	-1.22	AVG

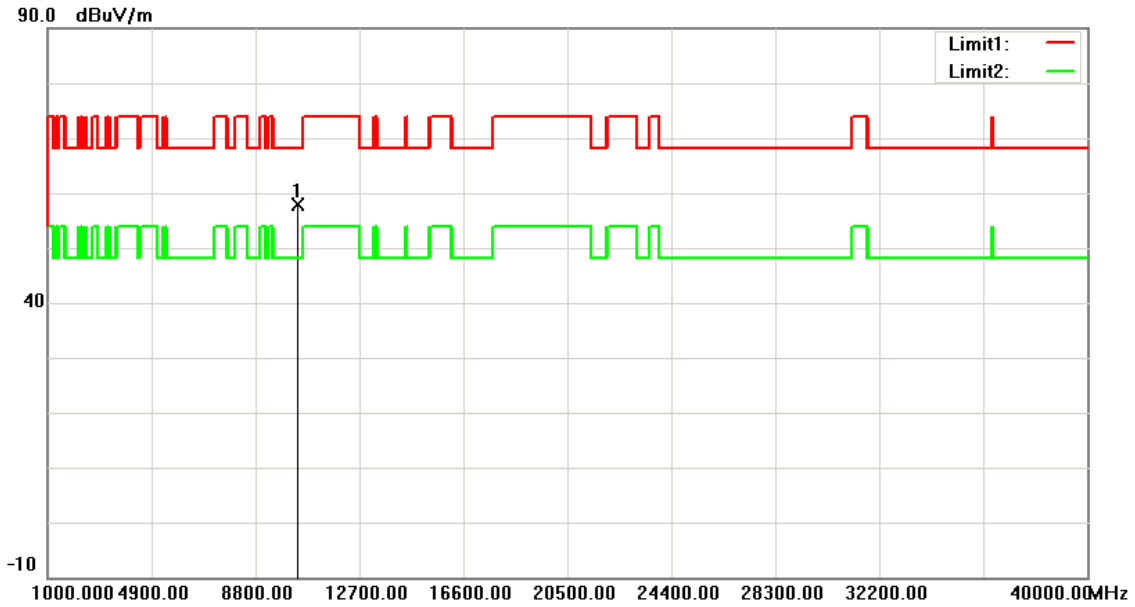
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Module : QCA9990 (EW-7944MAC)_Master

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



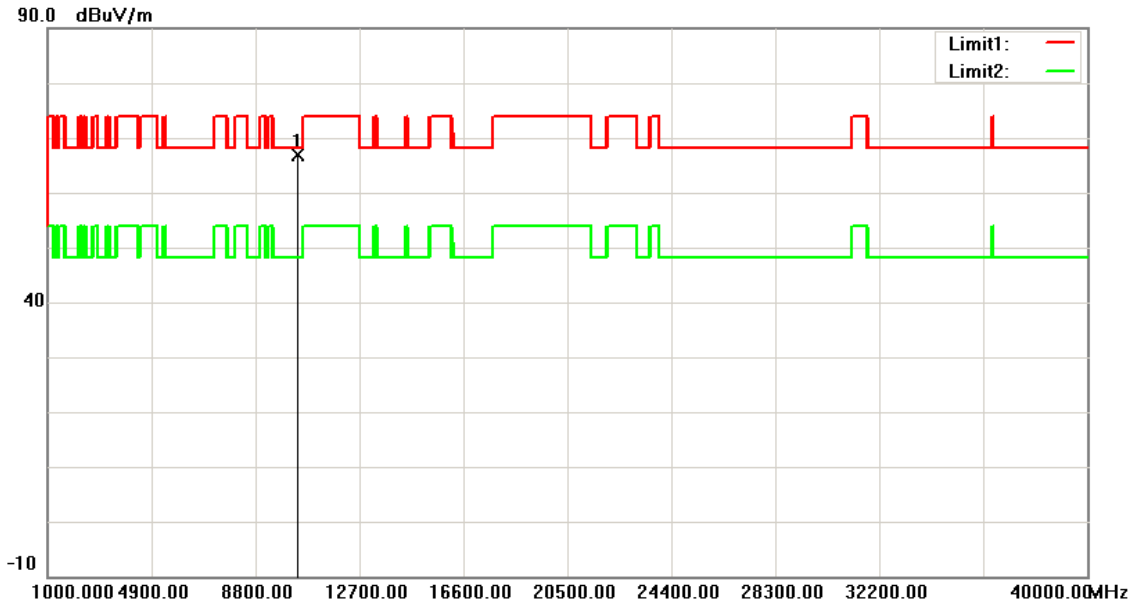
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	53.00	4.97	57.97	68.20	-10.23	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



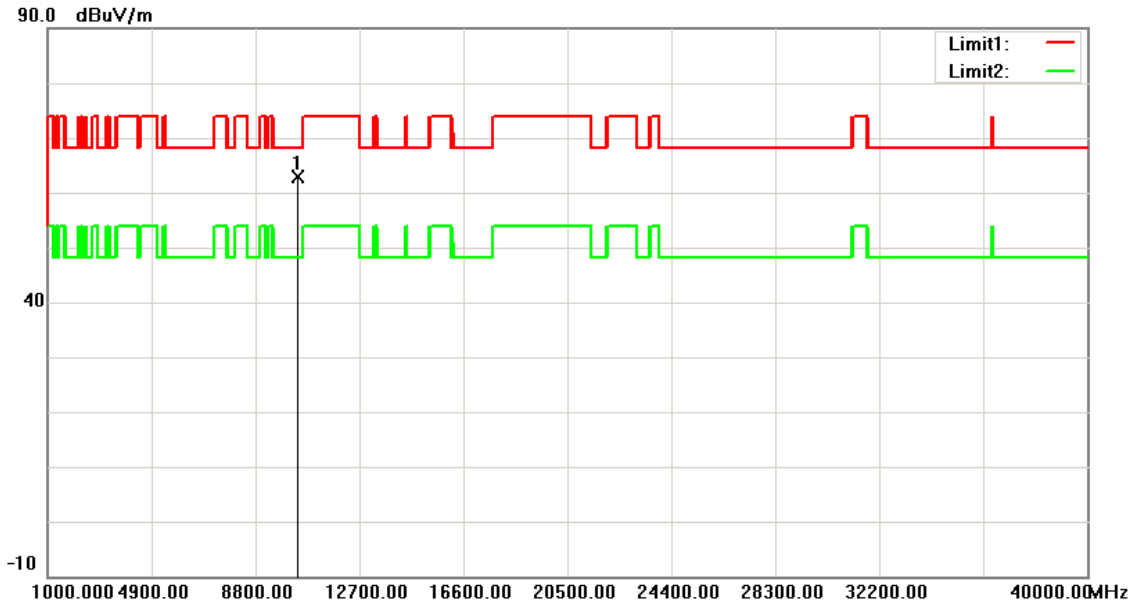
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.02	4.97	66.99	68.20	-1.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



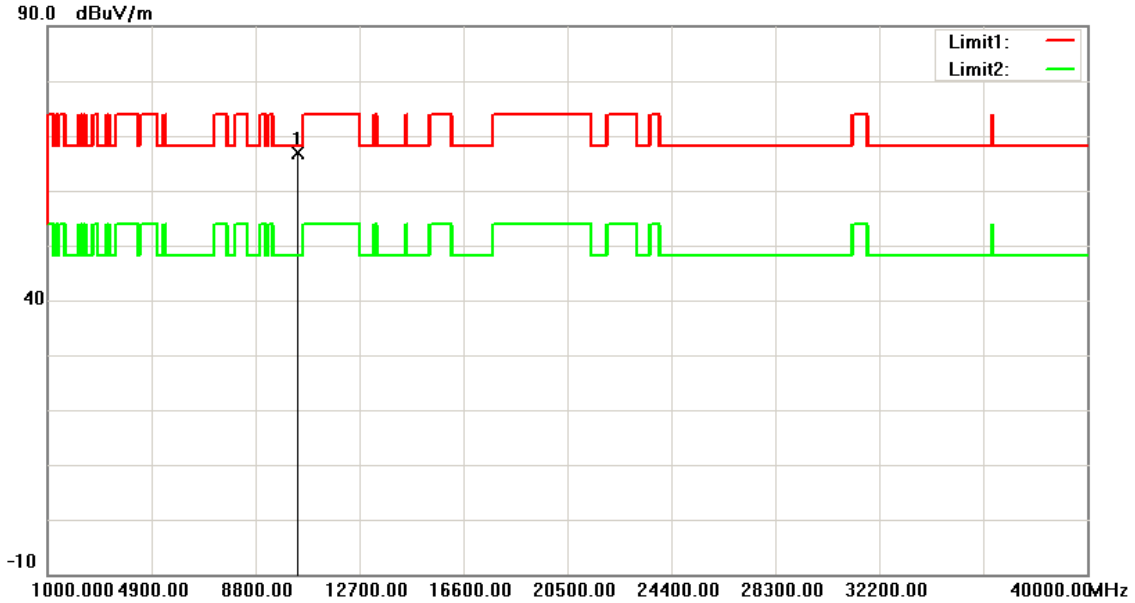
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	57.83	5.07	62.90	68.20	-5.30	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



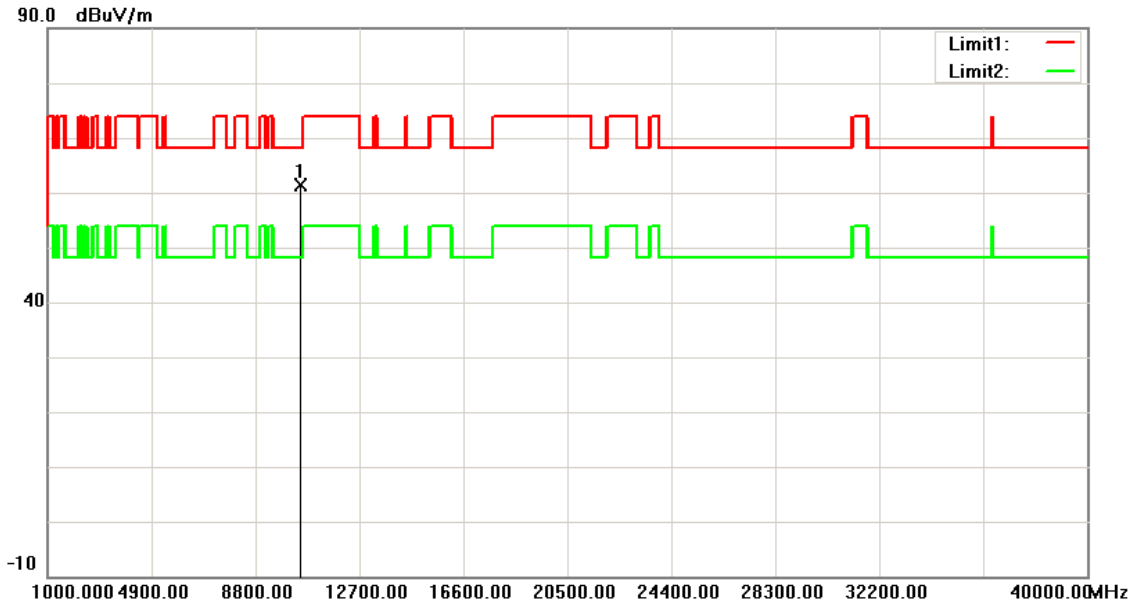
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	61.79	5.07	66.86	68.20	-1.34	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



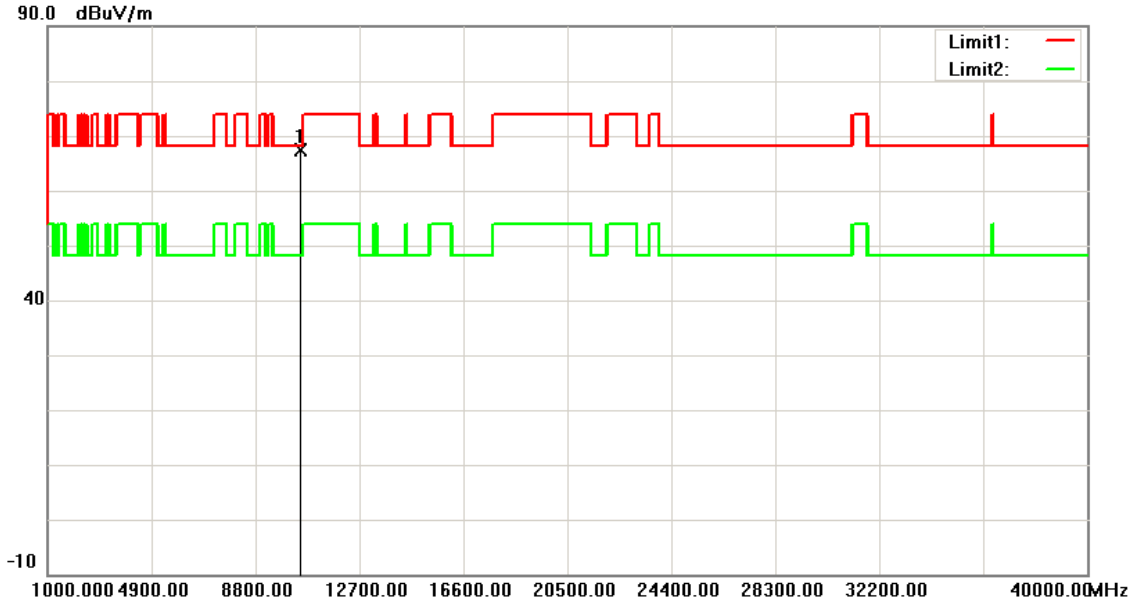
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	56.19	5.25	61.44	68.20	-6.76	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



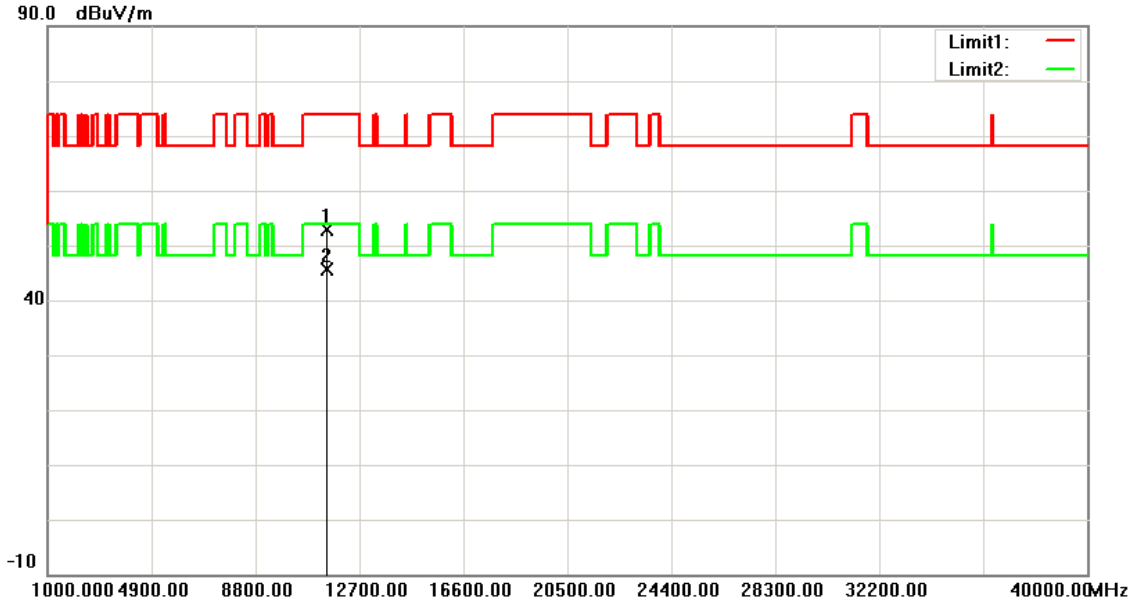
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	62.09	5.25	67.34	68.20	-0.86	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



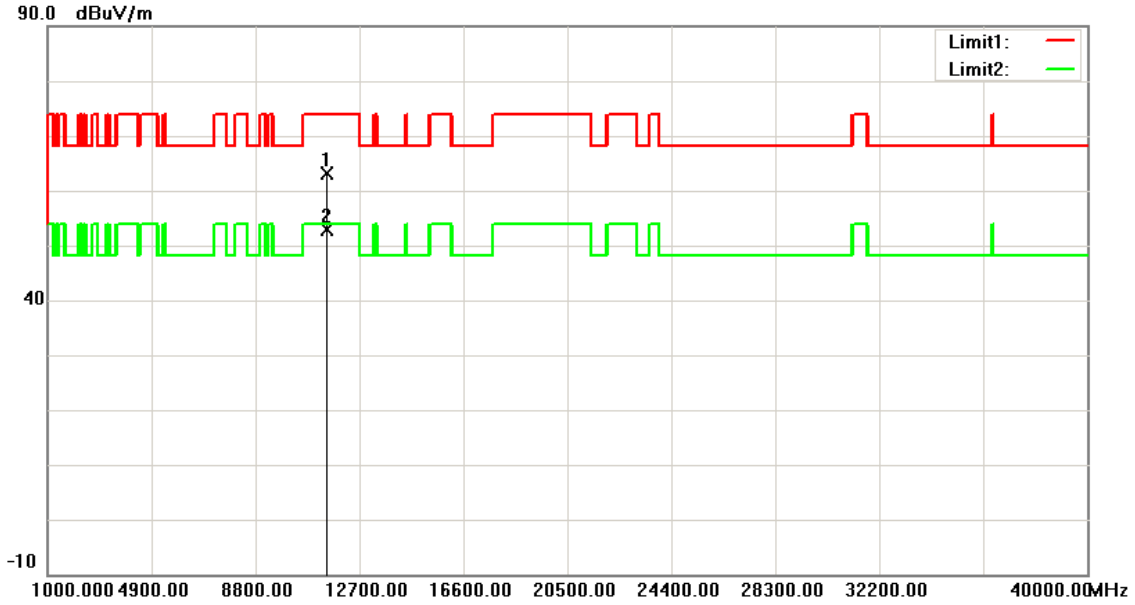
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	46.84	6.14	52.98	74.00	-21.02	peak
2	11490.000	39.45	6.14	45.59	54.00	-8.41	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



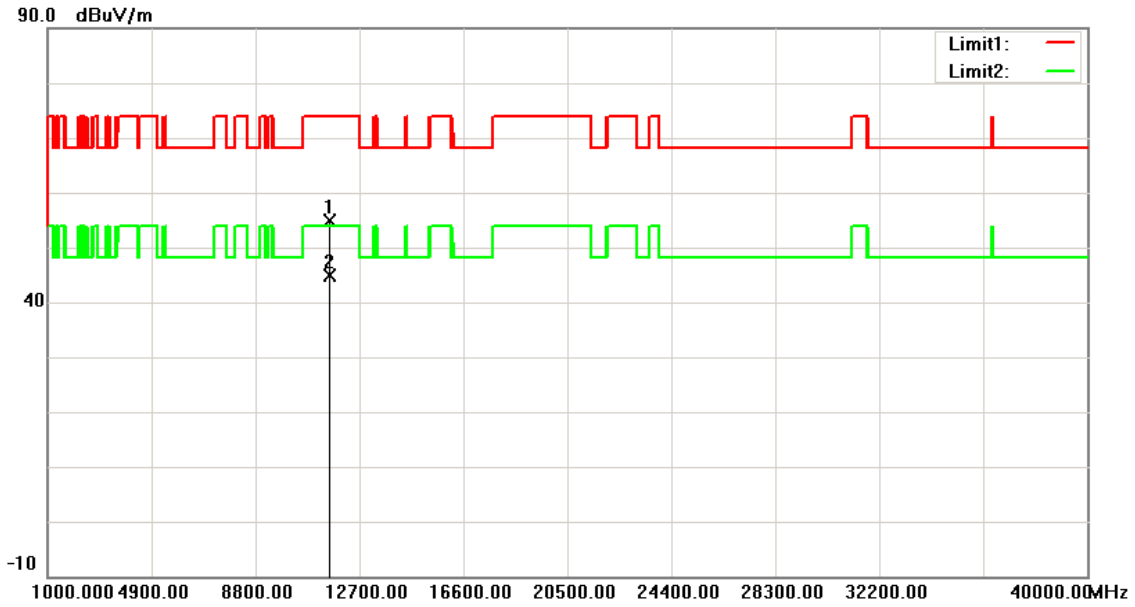
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	56.92	6.14	63.06	74.00	-10.94	peak
2	11490.000	46.86	6.14	53.00	54.00	-1.00	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



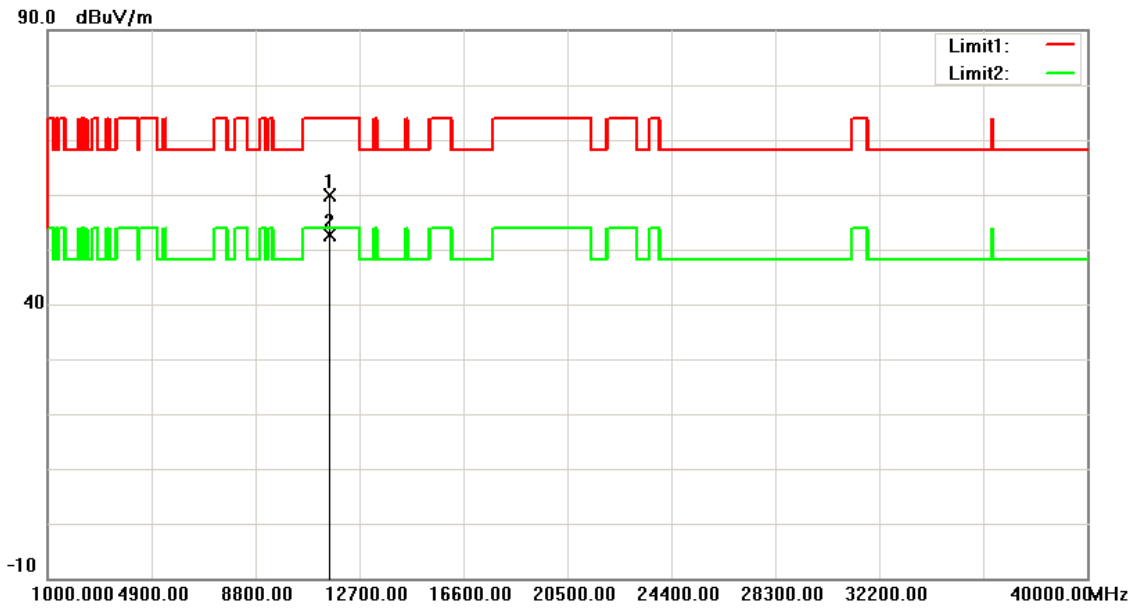
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.42	6.35	54.77	74.00	-19.23	peak
2	11570.000	38.55	6.35	44.90	54.00	-9.10	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



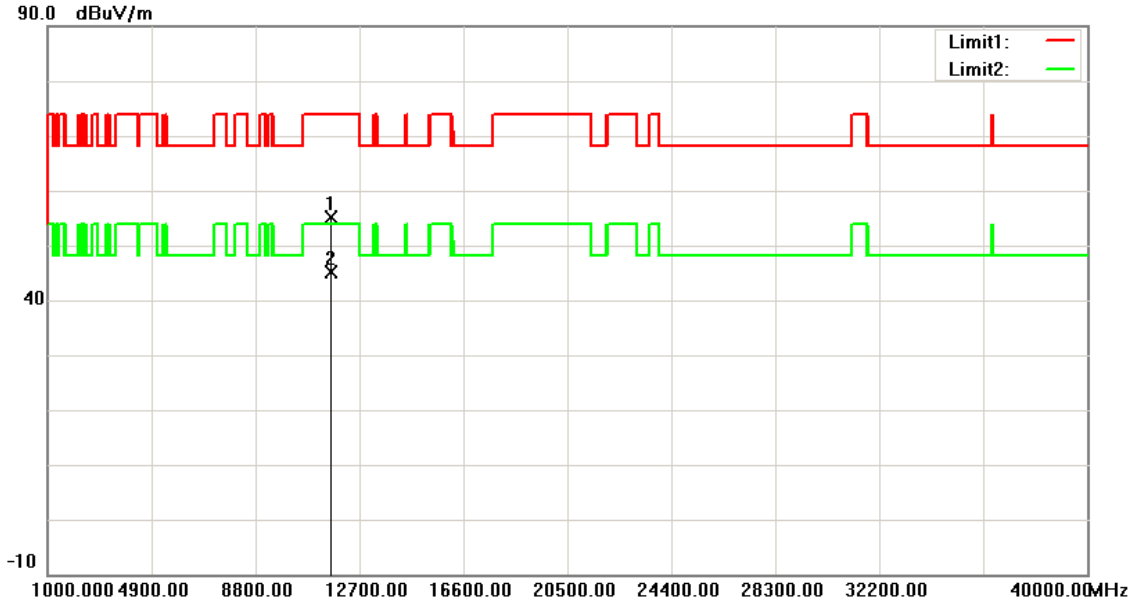
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	53.57	6.35	59.92	74.00	-14.08	peak
2	11570.000	46.34	6.35	52.69	54.00	-1.31	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



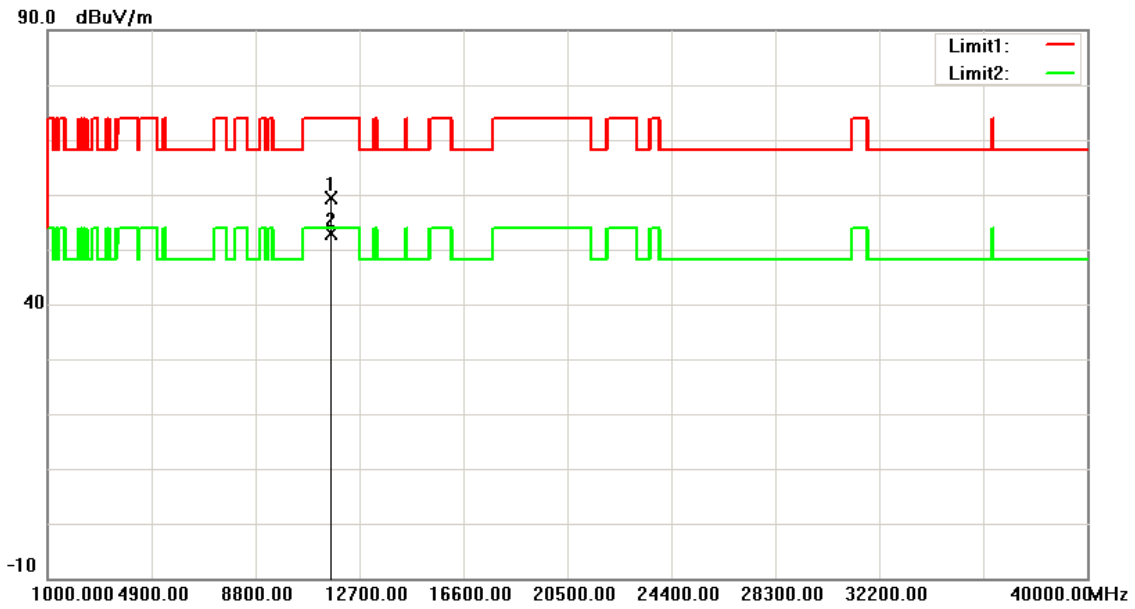
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.51	6.58	55.09	74.00	-18.91	peak
2	11650.000	38.65	6.58	45.23	54.00	-8.77	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



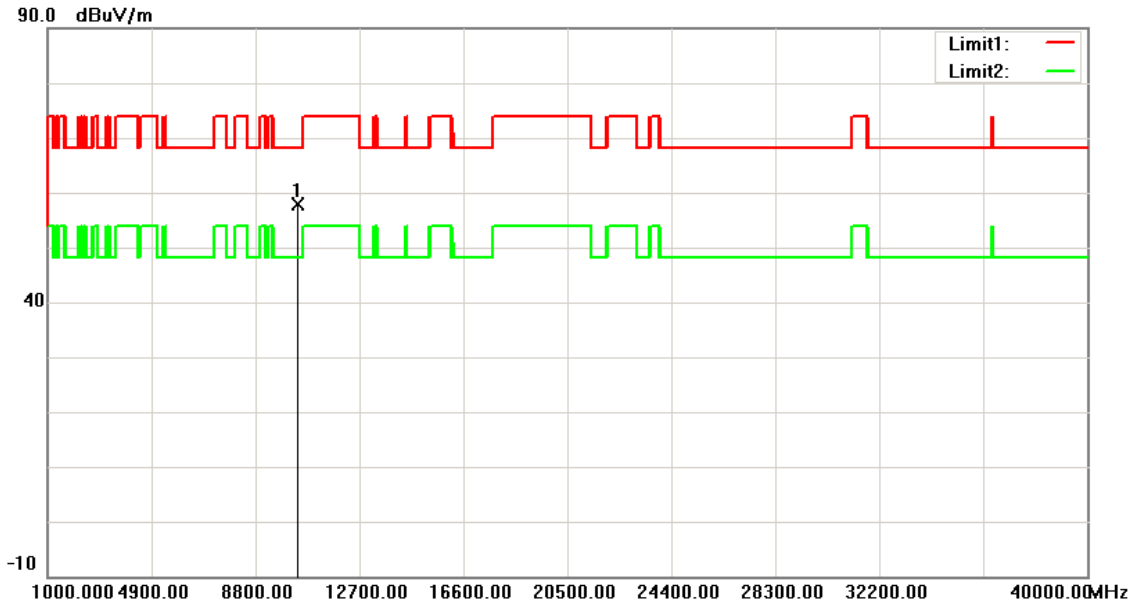
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	52.89	6.58	59.47	74.00	-14.53	peak
2	11650.000	46.19	6.58	52.77	54.00	-1.23	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



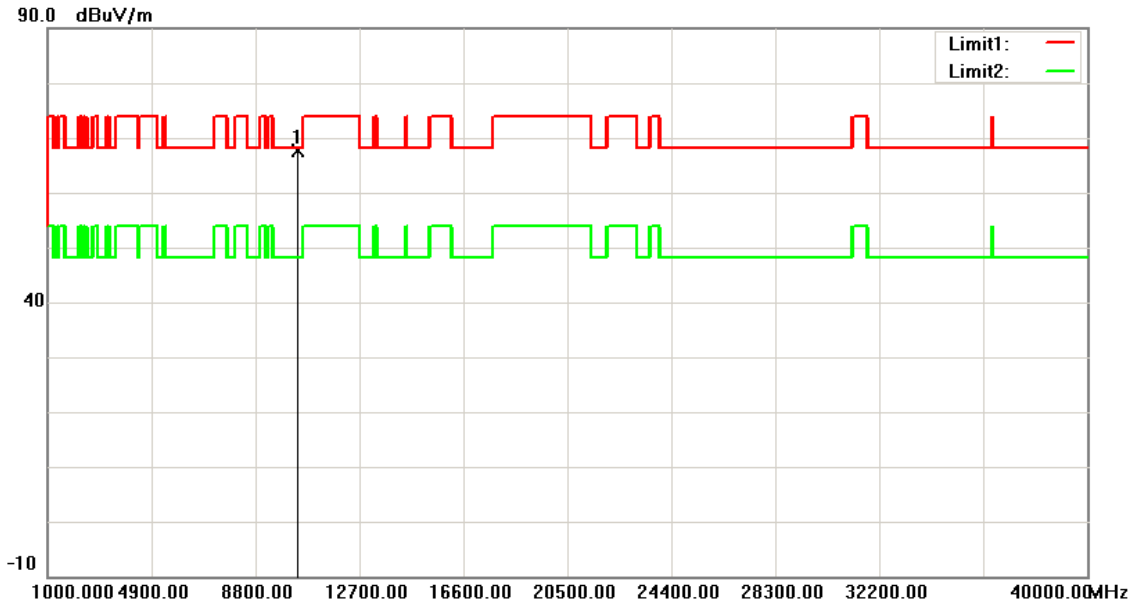
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	52.85	4.97	57.82	68.20	-10.38	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



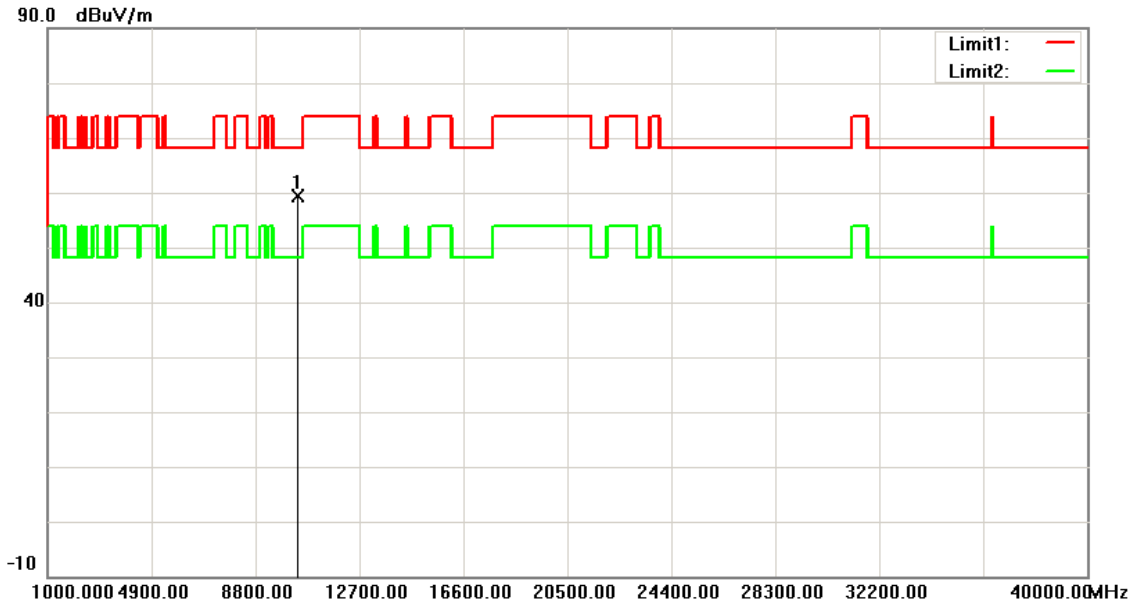
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	62.62	4.97	67.59	68.20	-0.61	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



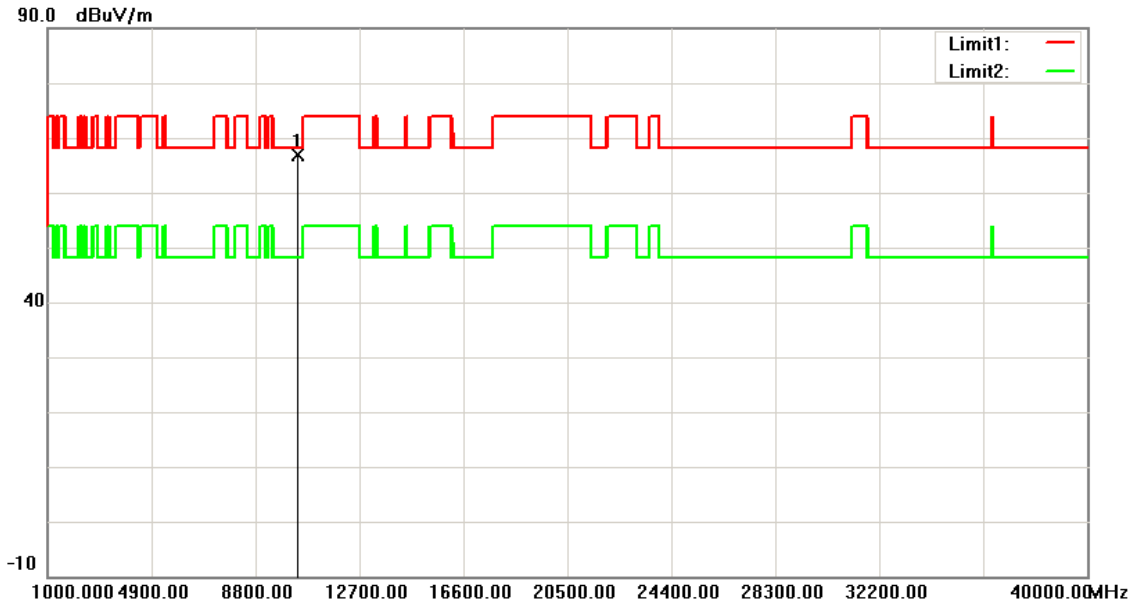
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	54.40	5.07	59.47	68.20	-8.73	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



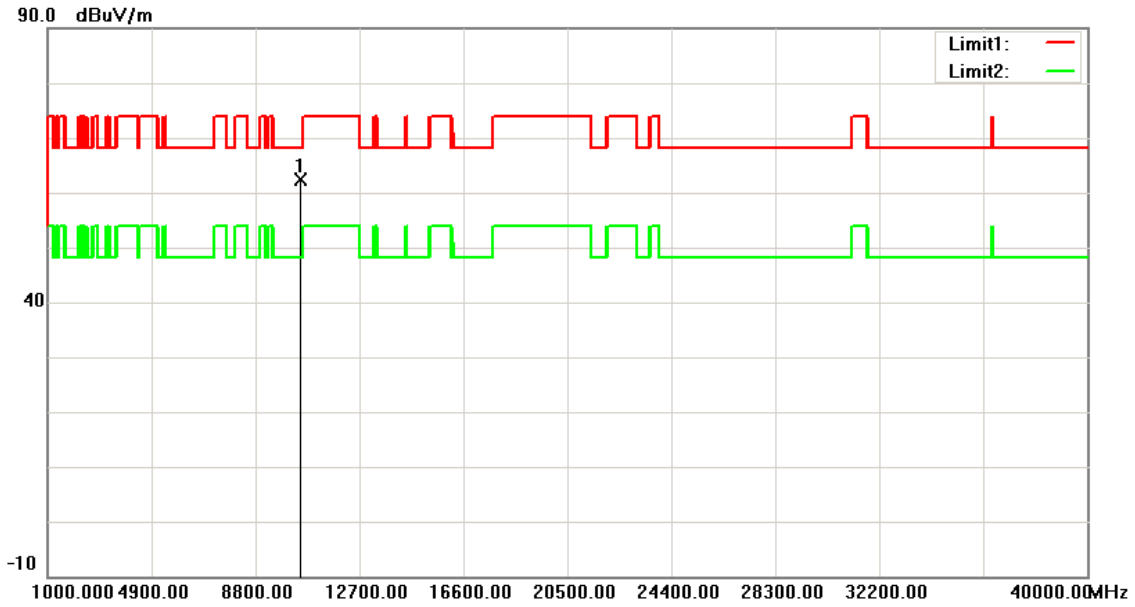
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	61.78	5.07	66.85	68.20	-1.35	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



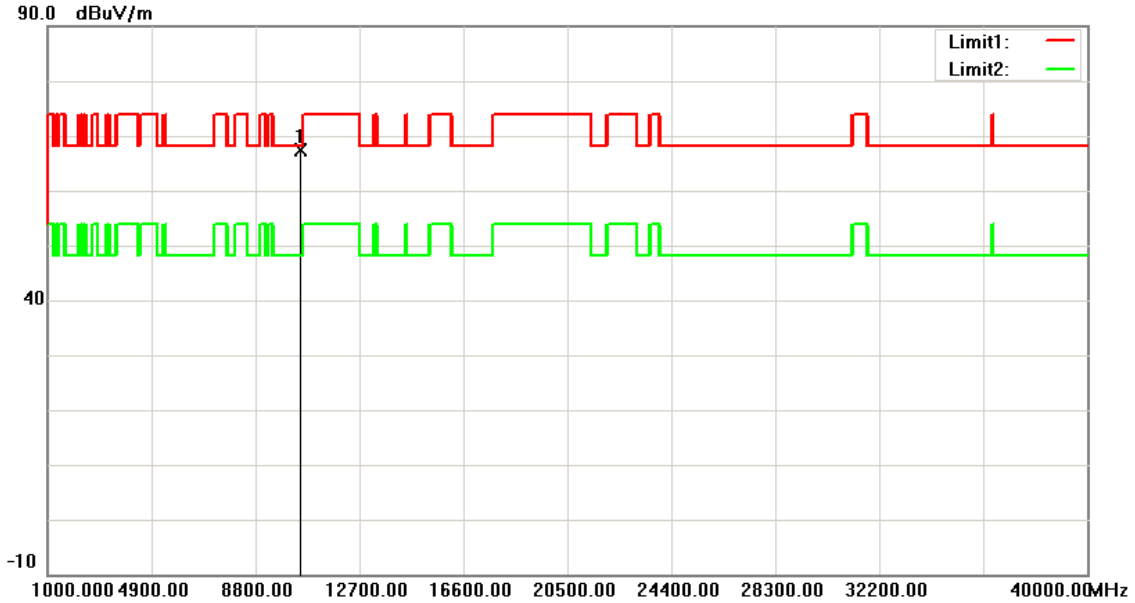
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	57.13	5.25	62.38	68.20	-5.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



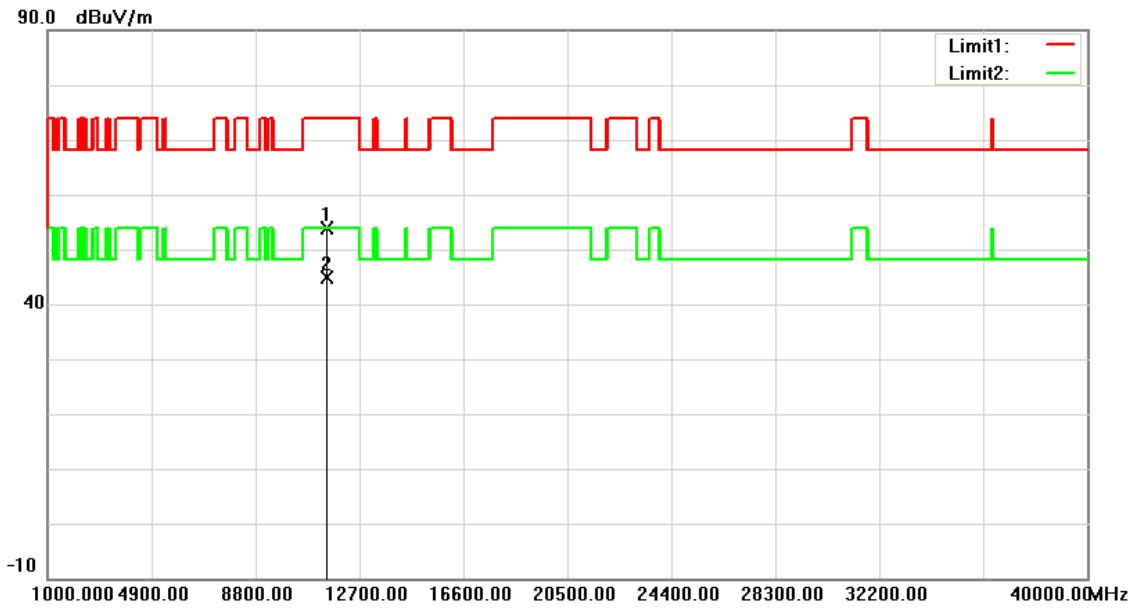
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	62.12	5.25	67.37	68.20	-0.83	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



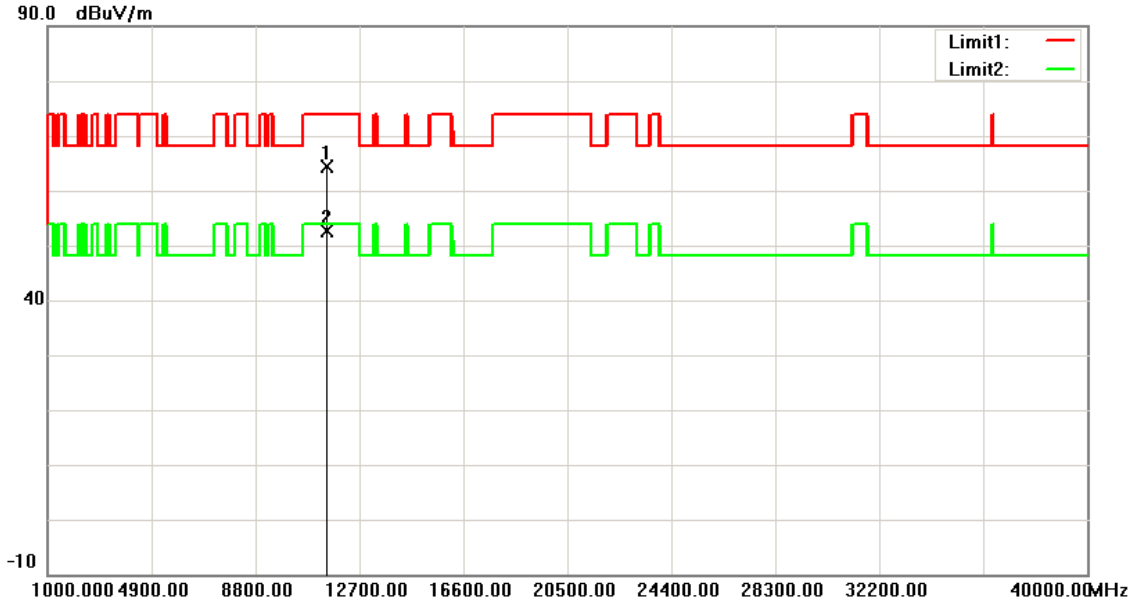
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	47.78	6.14	53.92	74.00	-20.08	peak
2	11490.000	38.64	6.14	44.78	54.00	-9.22	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



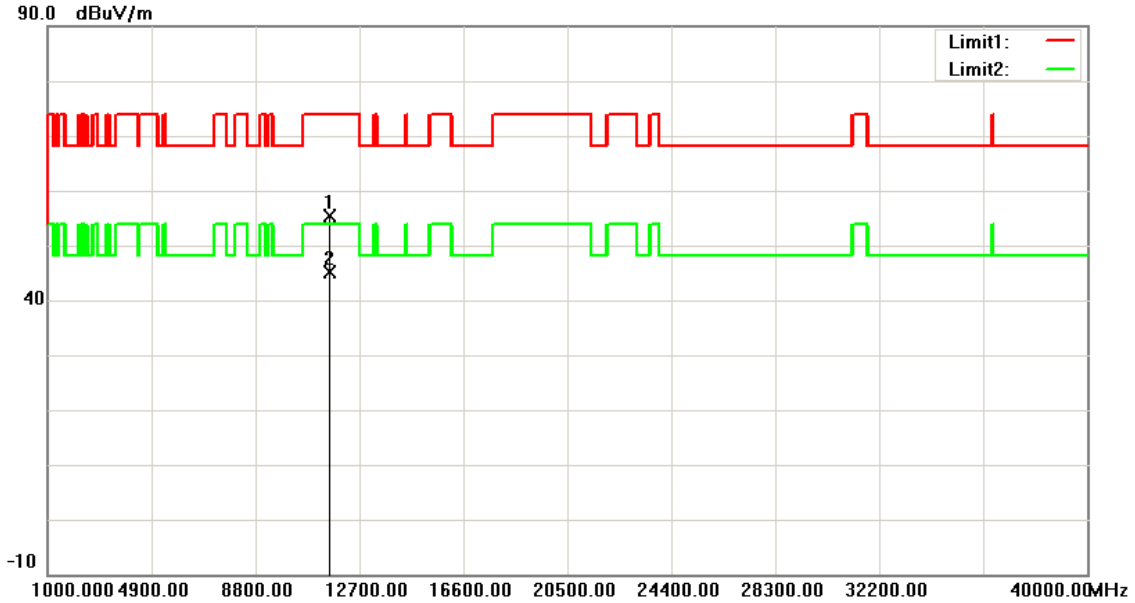
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	58.27	6.14	64.41	74.00	-9.59	peak
2	11490.000	46.58	6.14	52.72	54.00	-1.28	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



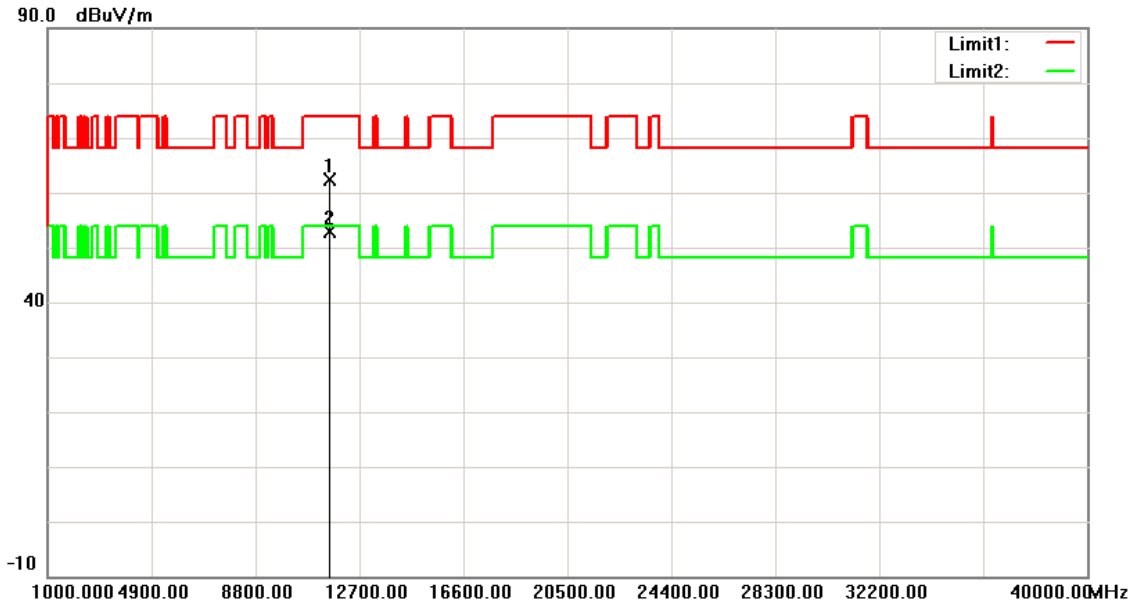
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	49.05	6.35	55.40	74.00	-18.60	peak
2	11570.000	38.81	6.35	45.16	54.00	-8.84	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



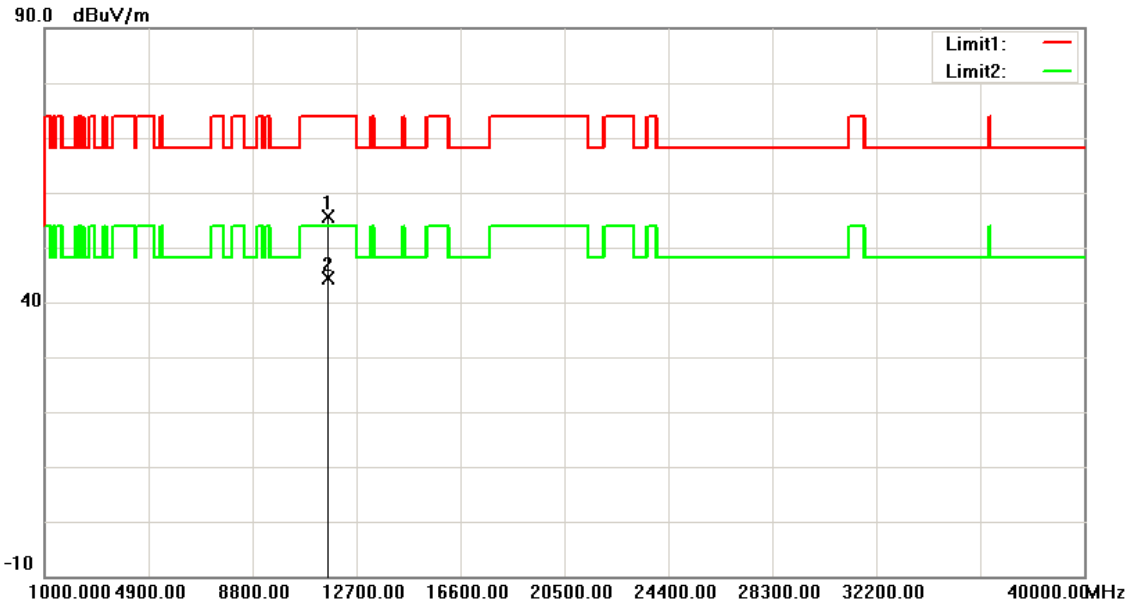
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	55.99	6.35	62.34	74.00	-11.66	peak
2	11570.000	46.48	6.35	52.83	54.00	-1.17	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



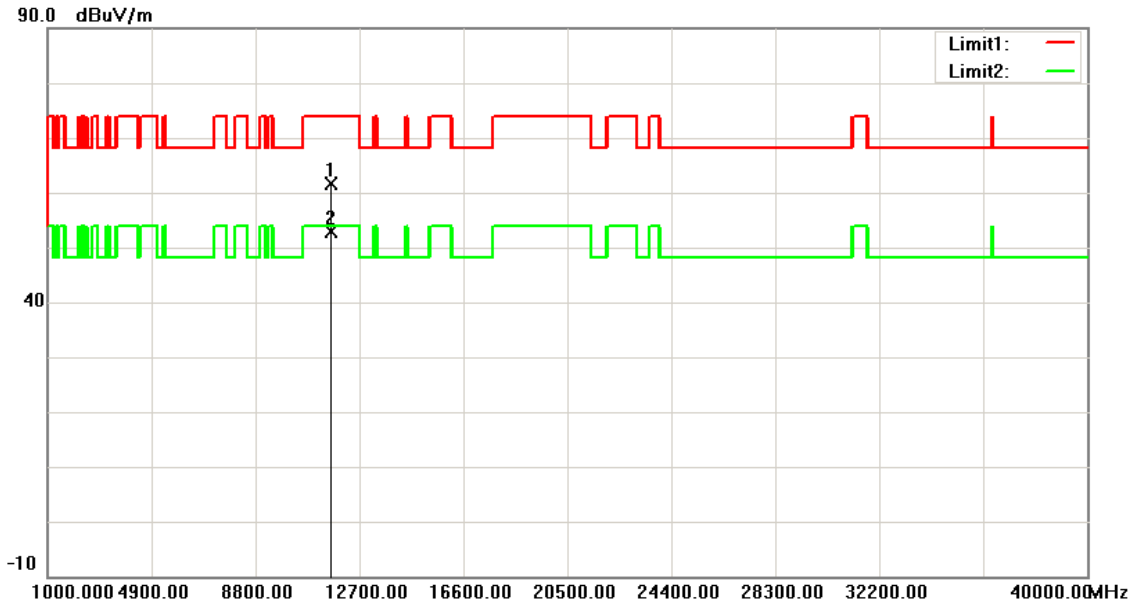
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	49.04	6.58	55.62	74.00	-18.38	peak
2	11650.000	37.91	6.58	44.49	54.00	-9.51	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



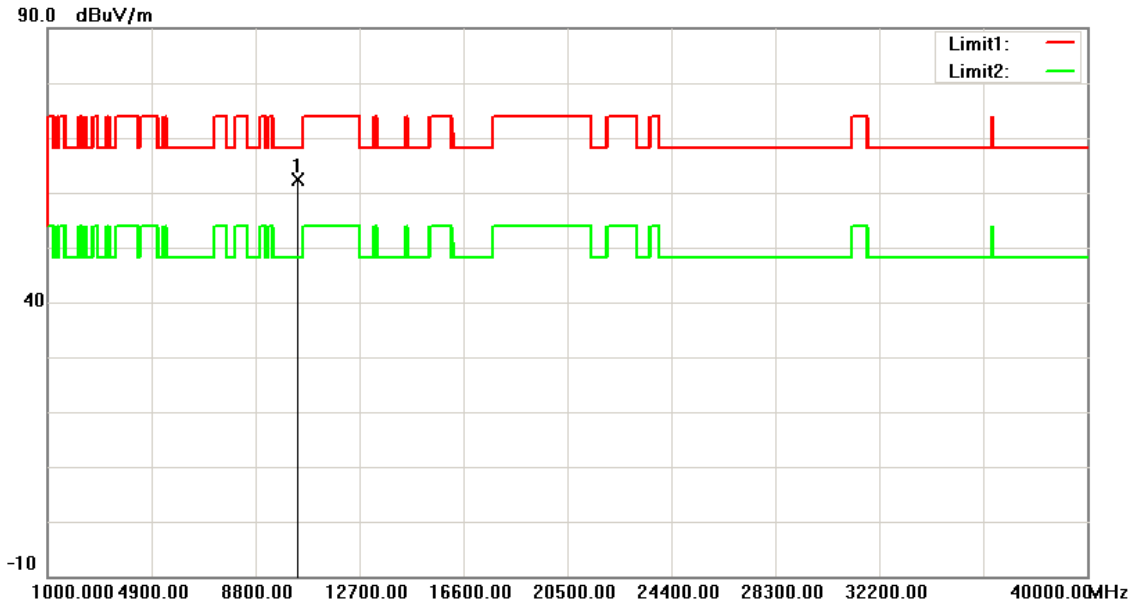
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	54.93	6.58	61.51	74.00	-12.49	peak
2	11650.000	46.36	6.58	52.94	54.00	-1.06	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



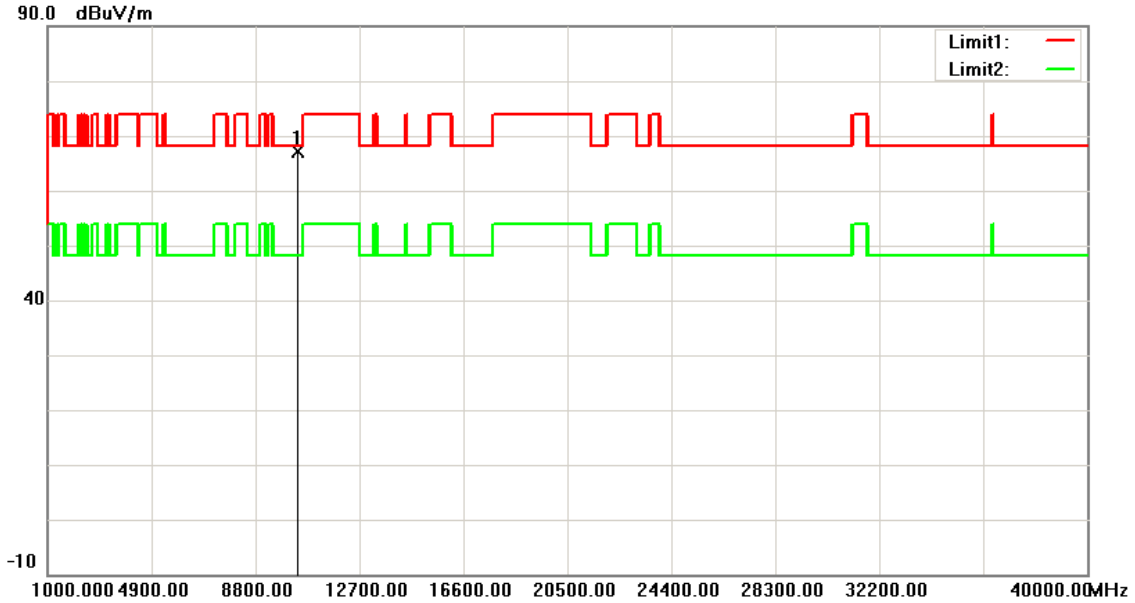
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	57.33	5.01	62.34	68.20	-5.86	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



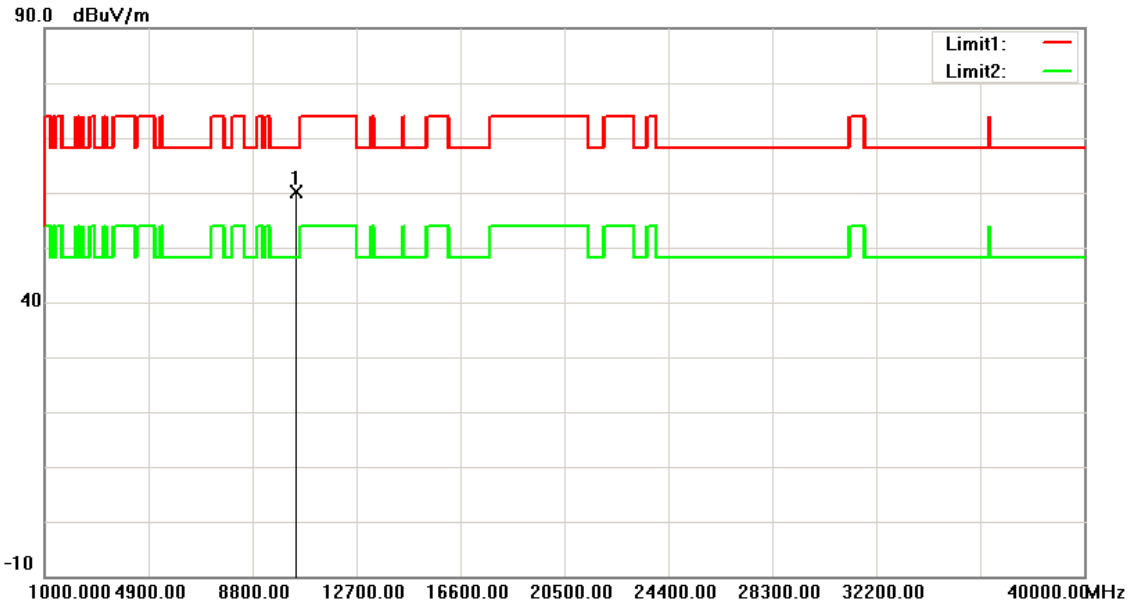
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	62.16	5.01	67.17	68.20	-1.03	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



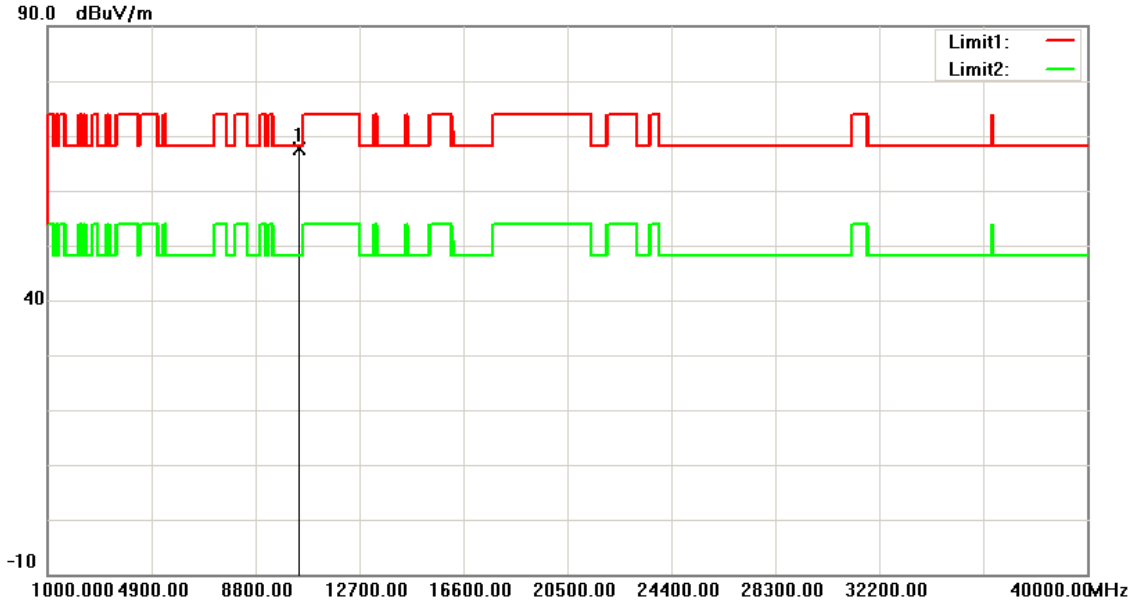
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	54.99	5.22	60.21	68.20	-7.99	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



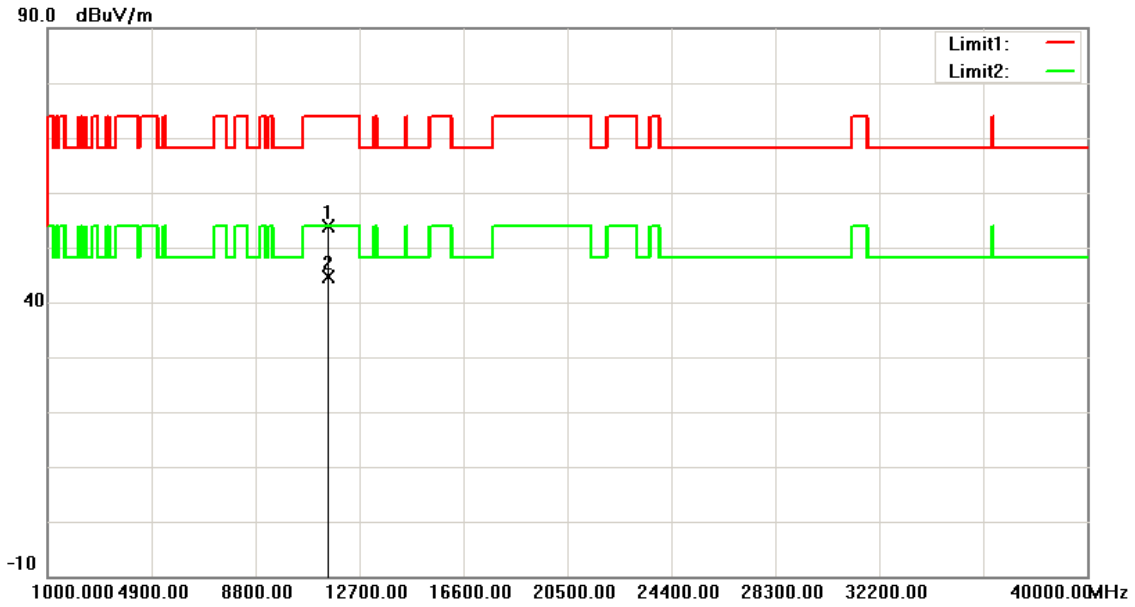
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	62.39	5.22	67.61	68.20	-0.59	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



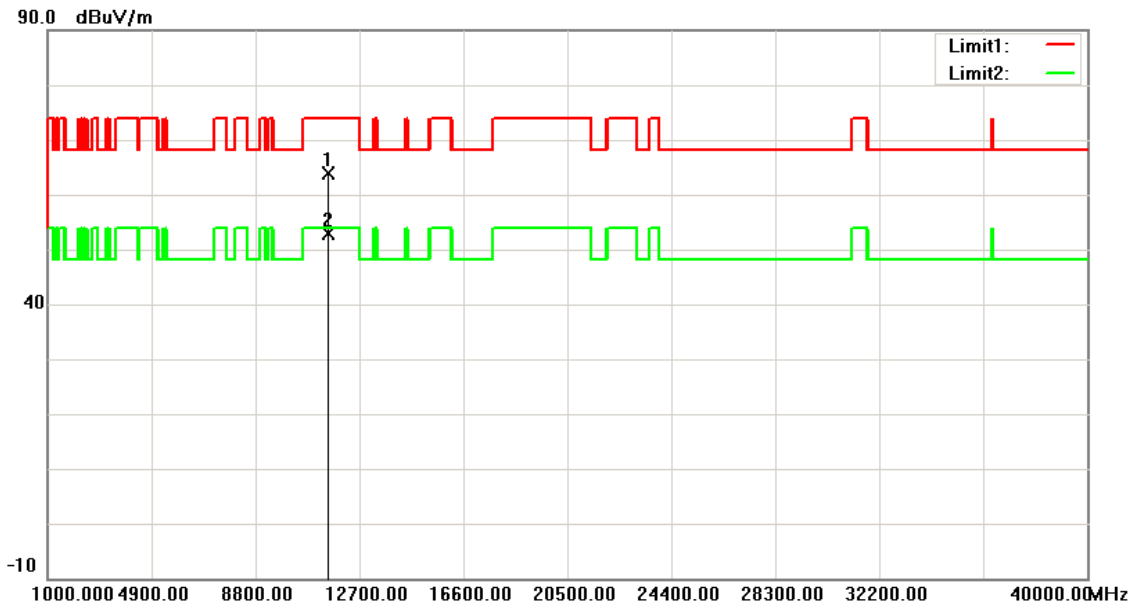
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	47.61	6.17	53.78	74.00	-20.22	peak
2	11510.000	38.53	6.17	44.70	54.00	-9.30	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



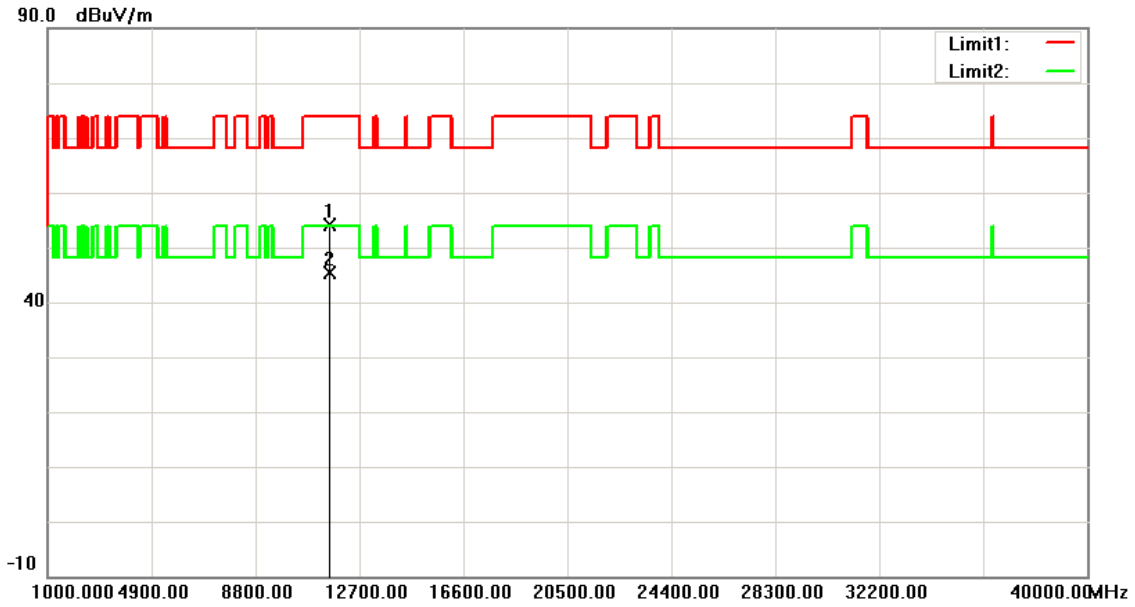
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	57.74	6.17	63.91	74.00	-10.09	peak
2	11510.000	46.82	6.17	52.99	54.00	-1.01	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



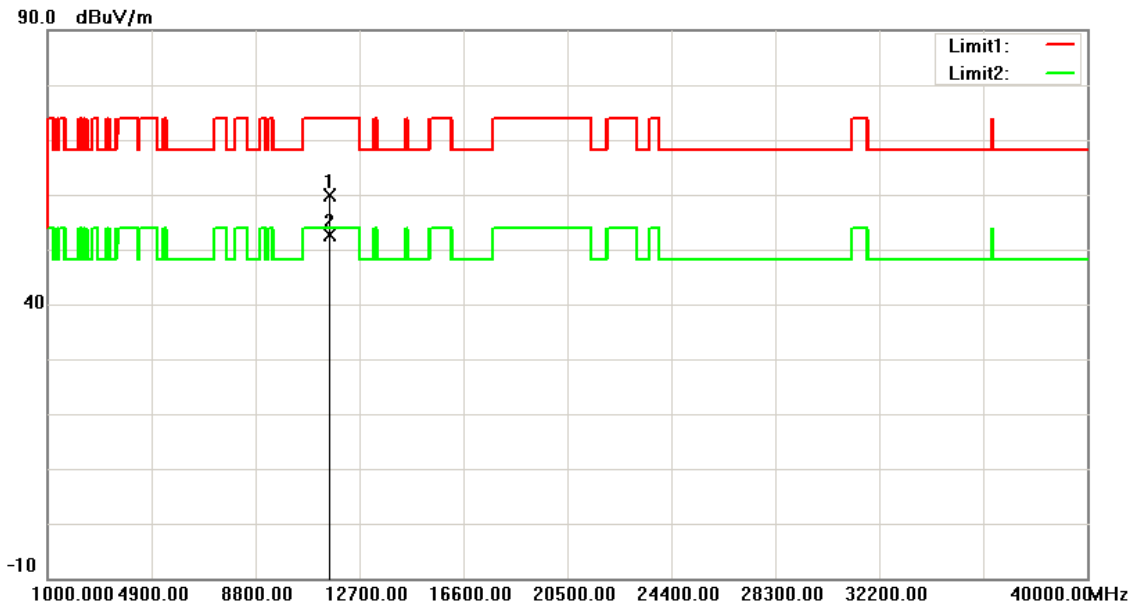
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	47.68	6.41	54.09	74.00	-19.91	peak
2	11590.000	38.94	6.41	45.35	54.00	-8.65	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



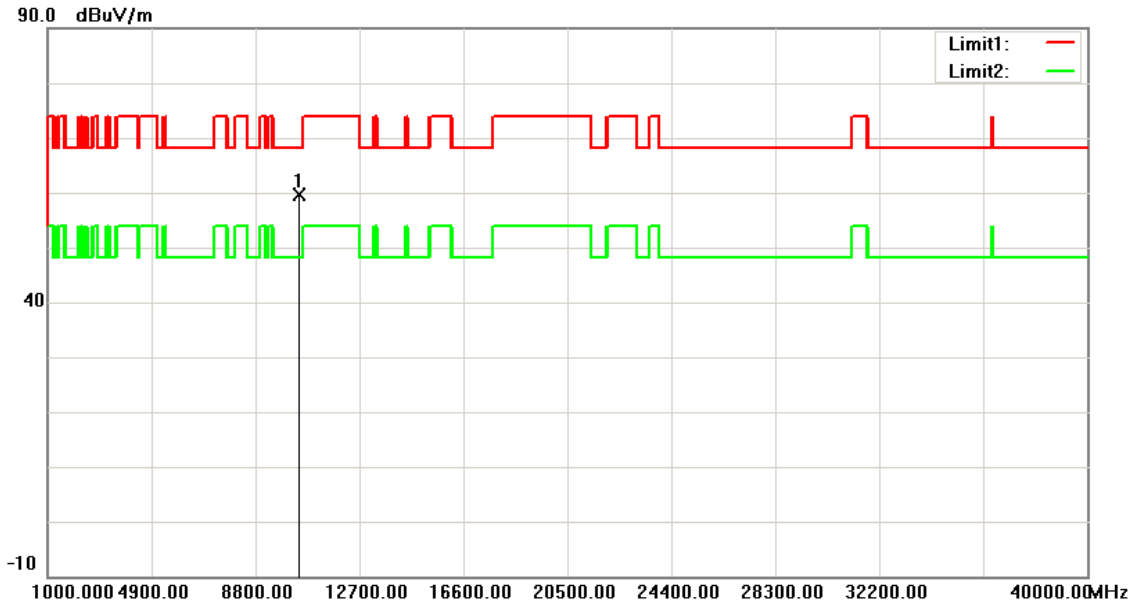
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	53.52	6.41	59.93	74.00	-14.07	peak
2	11590.000	46.20	6.41	52.61	54.00	-1.39	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



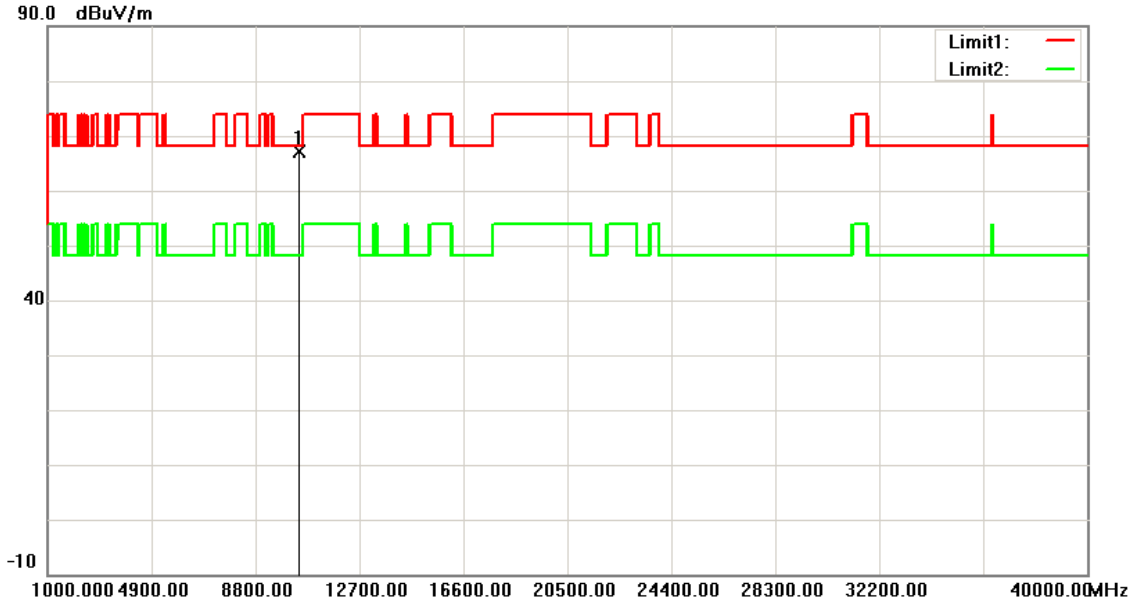
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	54.63	5.11	59.74	68.20	-8.46	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



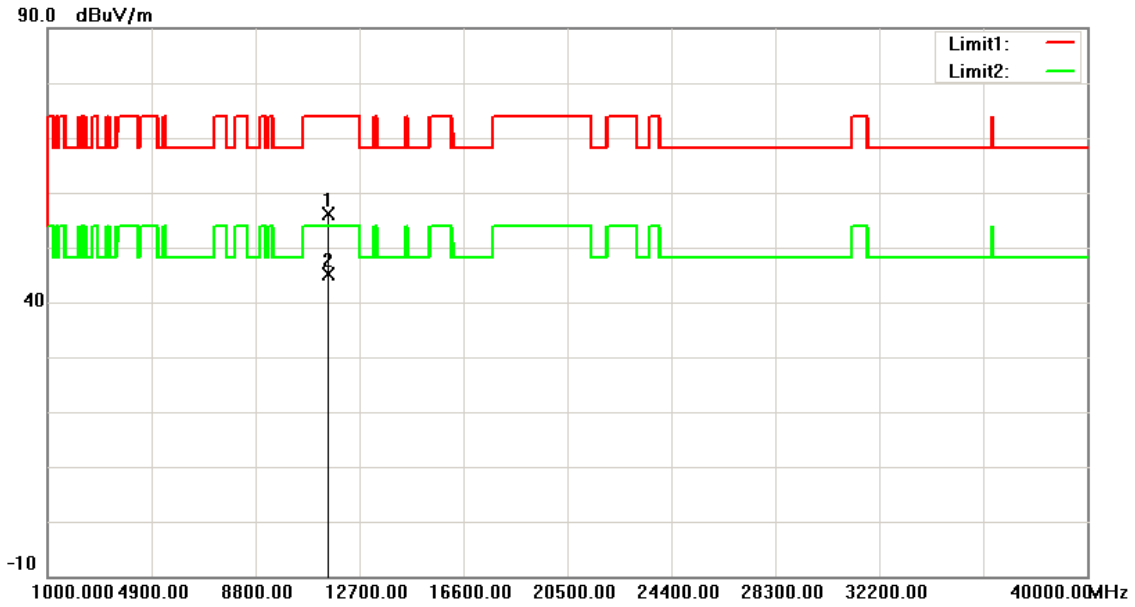
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	62.00	5.11	67.11	68.20	-1.09	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



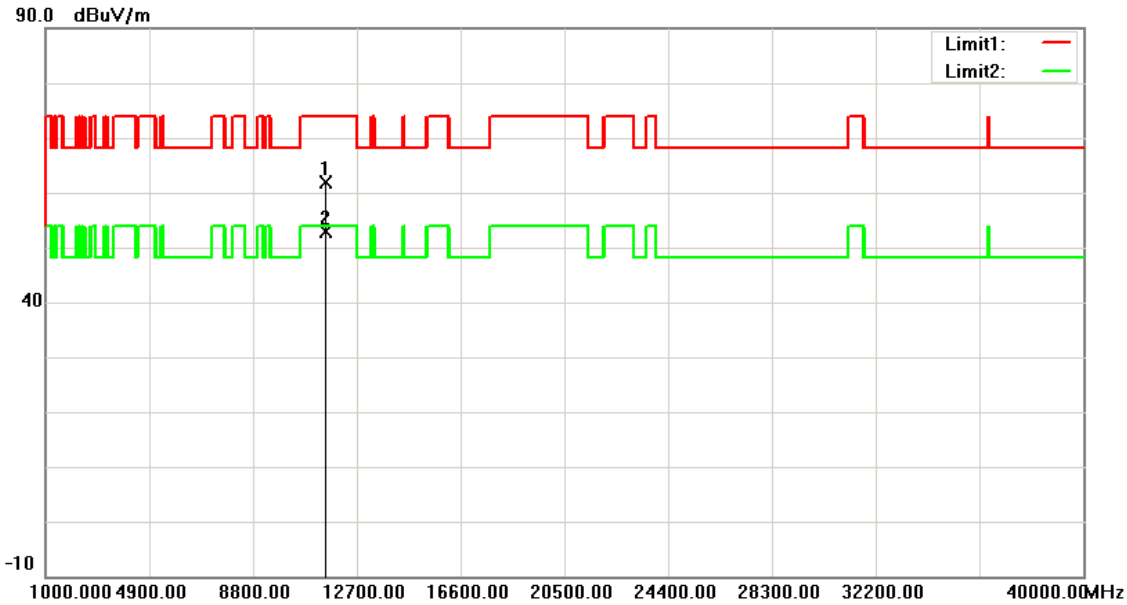
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	49.78	6.29	56.07	74.00	-17.93	peak
2	11550.000	38.90	6.29	45.19	54.00	-8.81	AVG

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	55.59	6.29	61.88	74.00	-12.12	peak
2	11550.000	46.50	6.29	52.79	54.00	-1.21	AVG

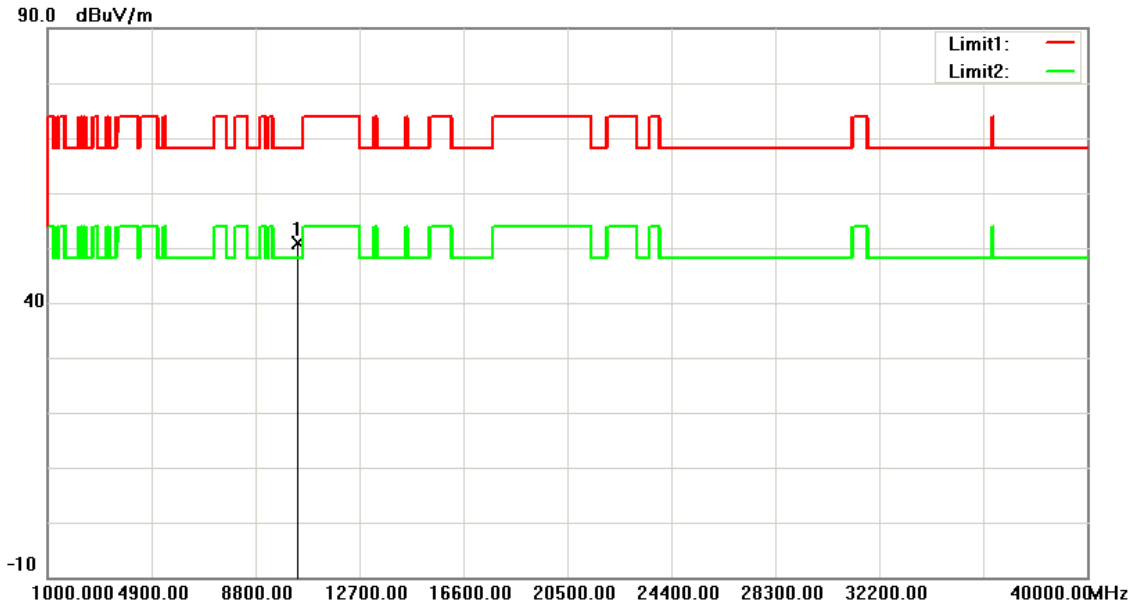
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Module : QCA9990 (EW-7944MAC)_Client

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



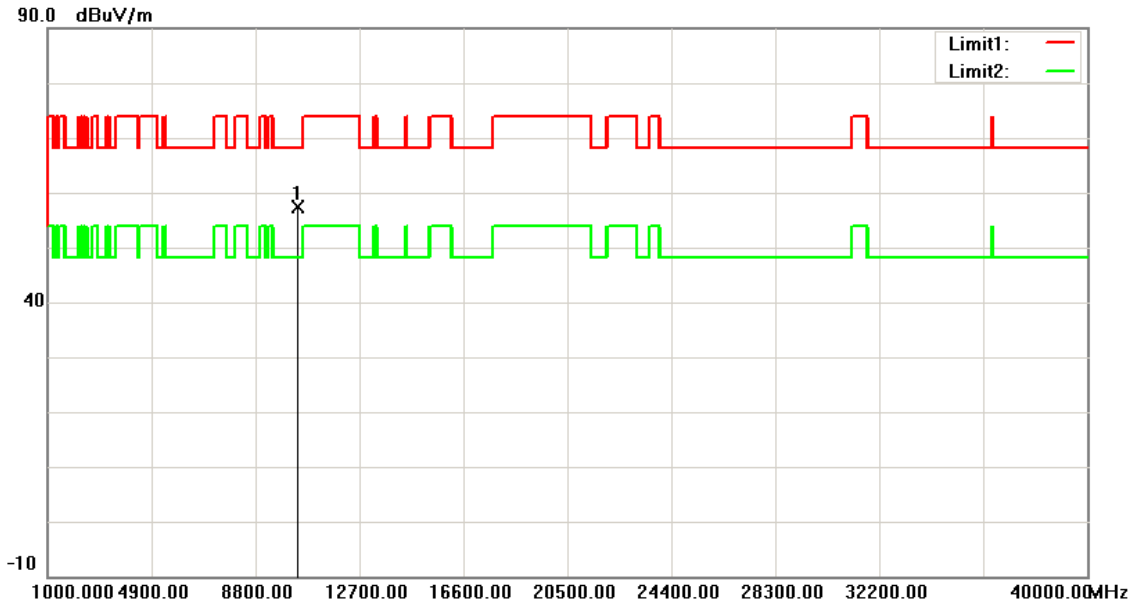
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	45.86	4.97	50.83	68.20	-17.37	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



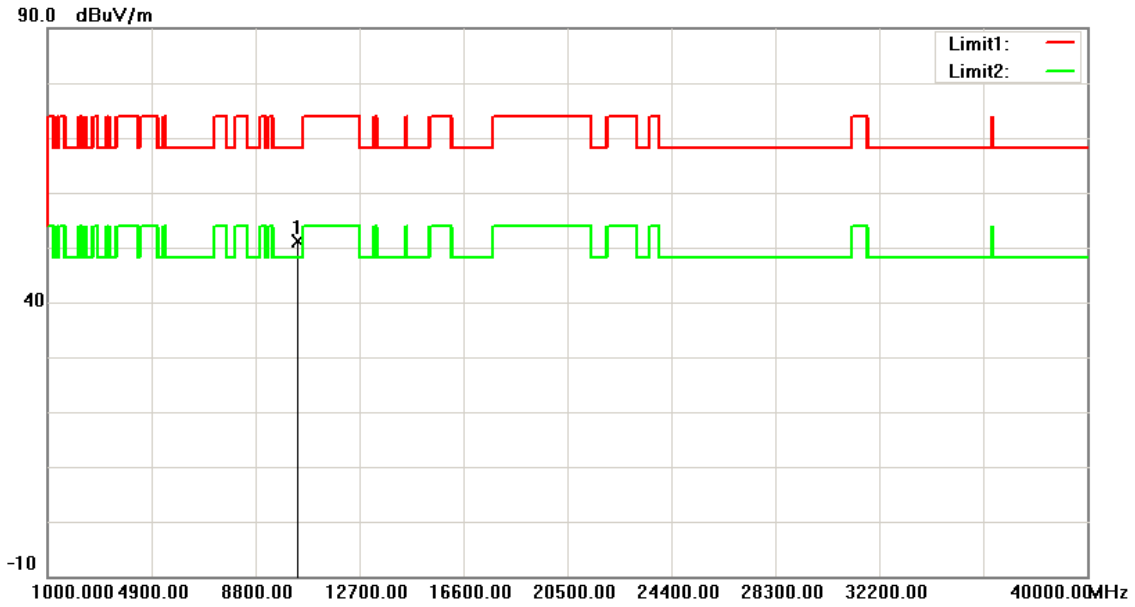
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	52.38	4.97	57.35	68.20	-10.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



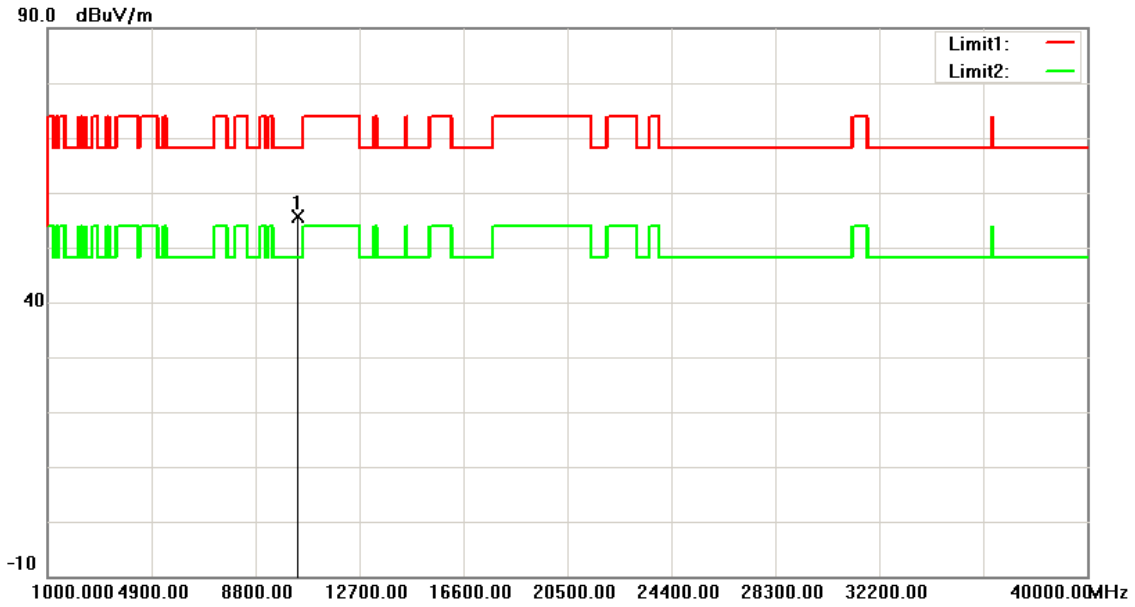
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	46.03	5.07	51.10	68.20	-17.10	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



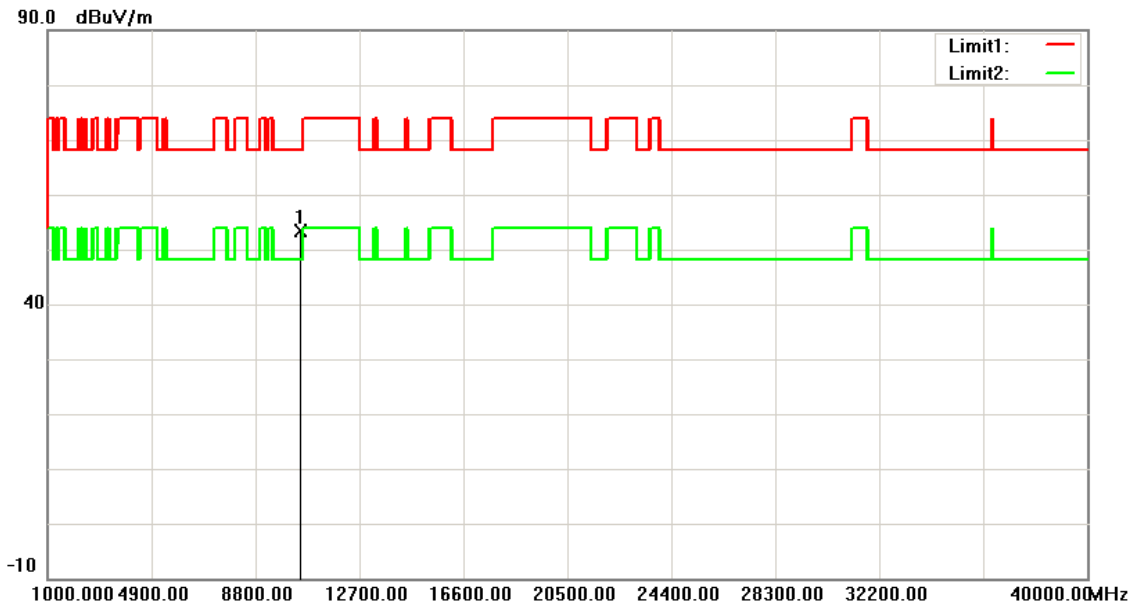
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	50.63	5.07	55.70	68.20	-12.50	peak

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:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



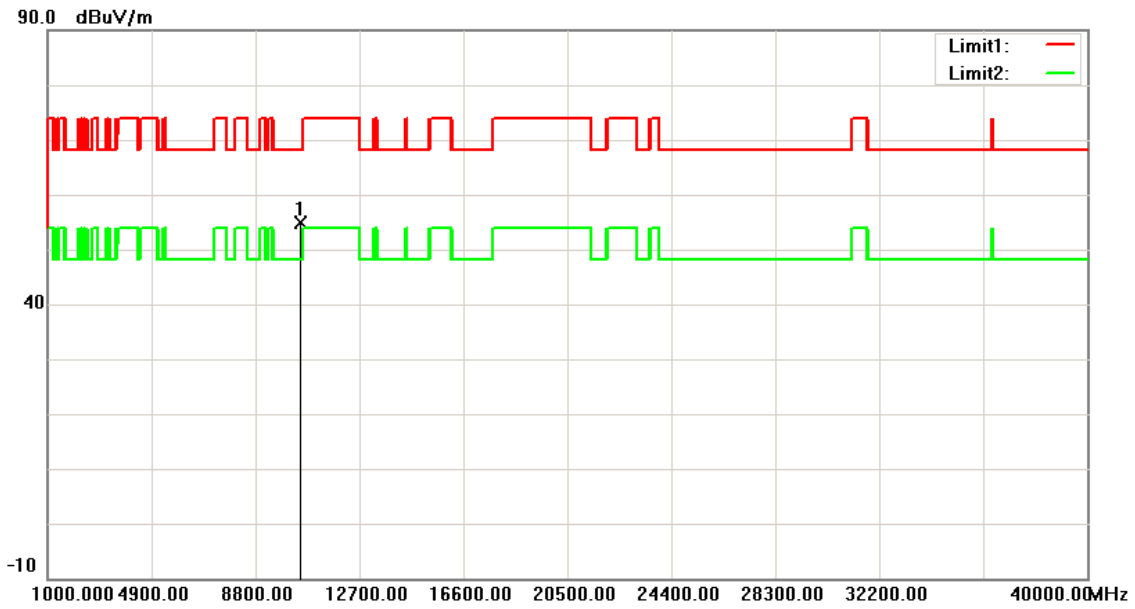
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.23	5.25	53.48	68.20	-14.72	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



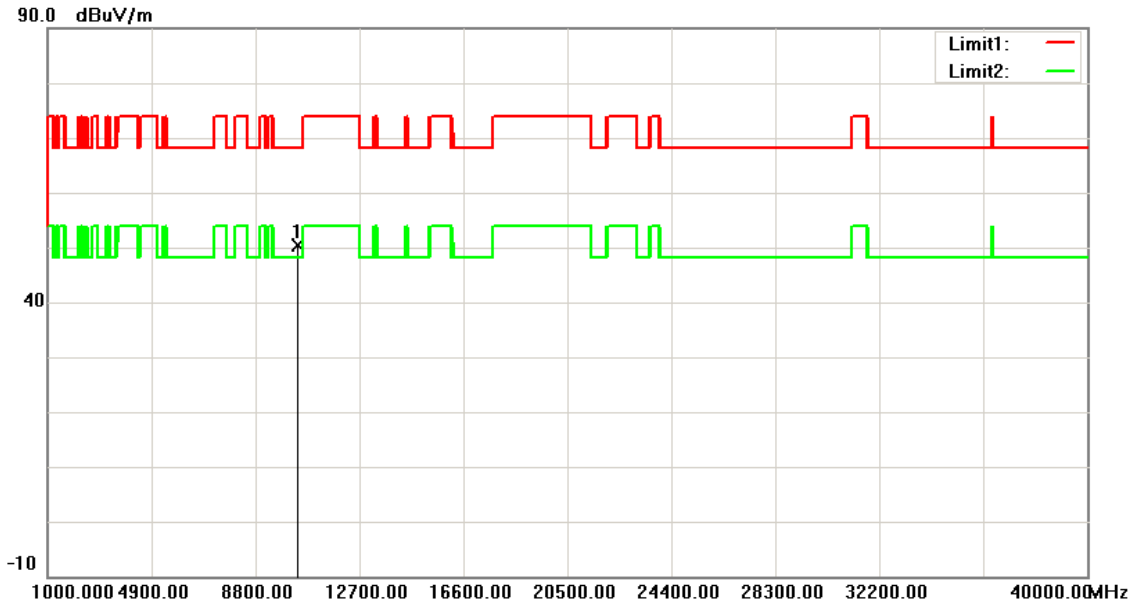
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	49.54	5.25	54.79	68.20	-13.41	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



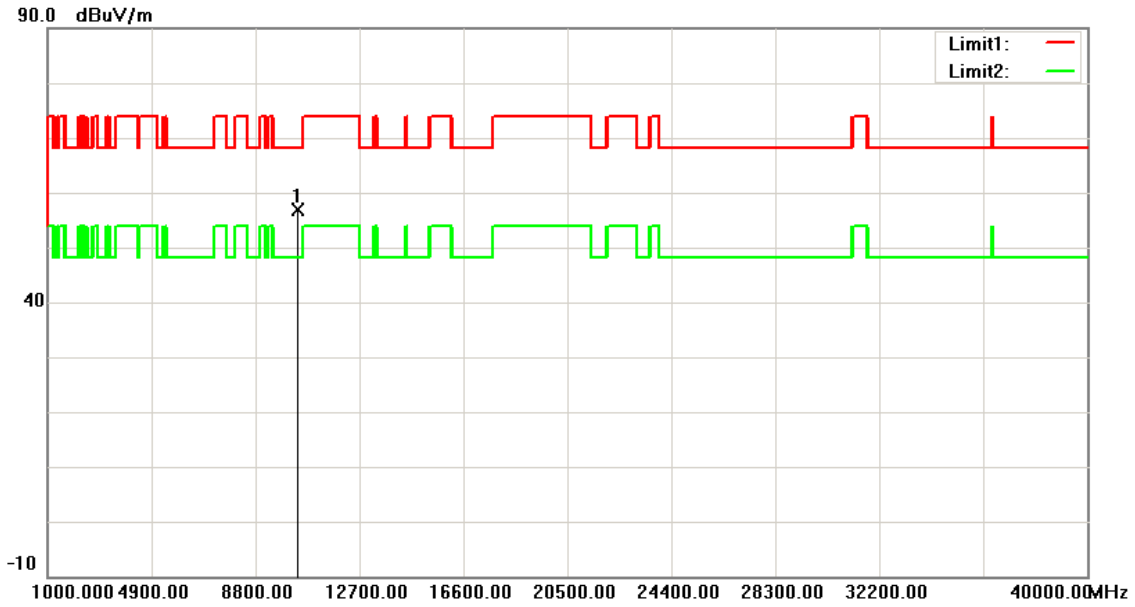
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	45.31	4.97	50.28	68.20	-17.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



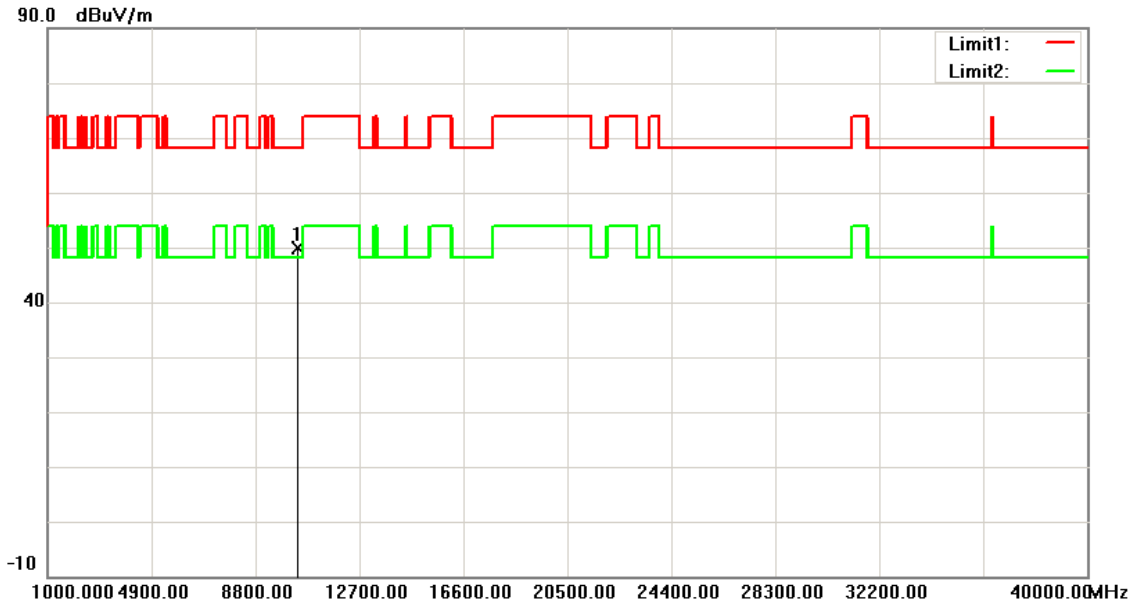
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	51.83	4.97	56.80	68.20	-11.40	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



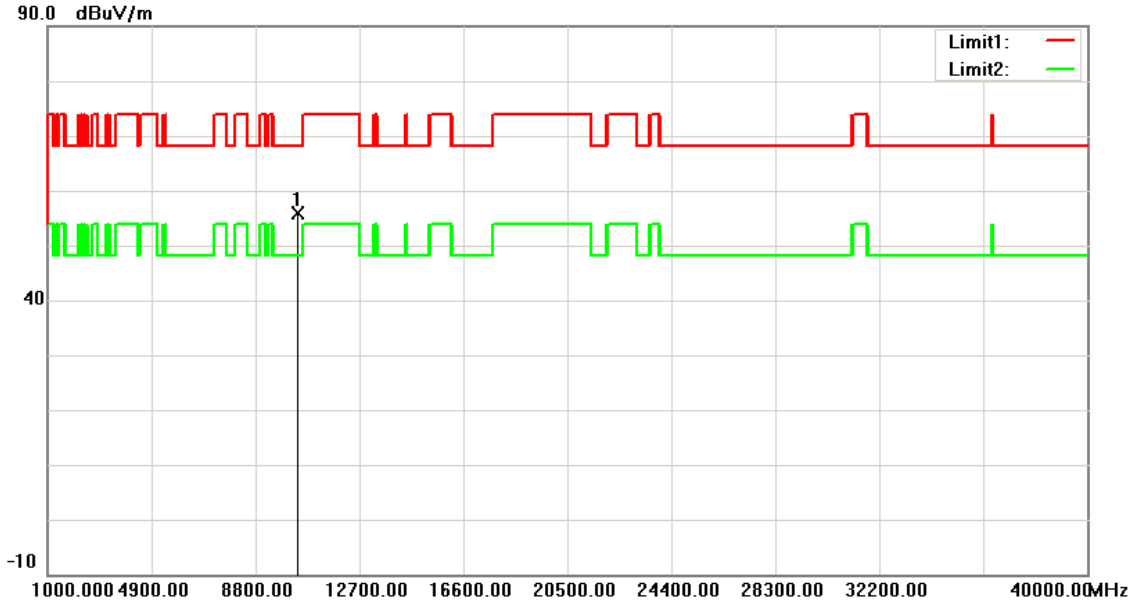
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	44.80	5.07	49.87	68.20	-18.33	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



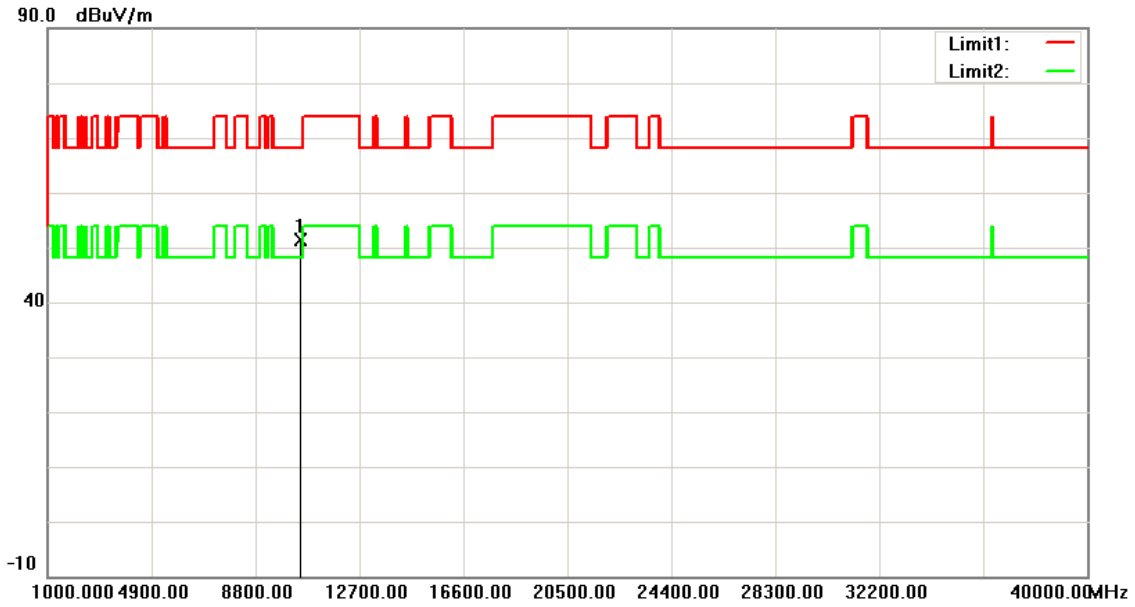
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	50.88	5.07	55.95	68.20	-12.25	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



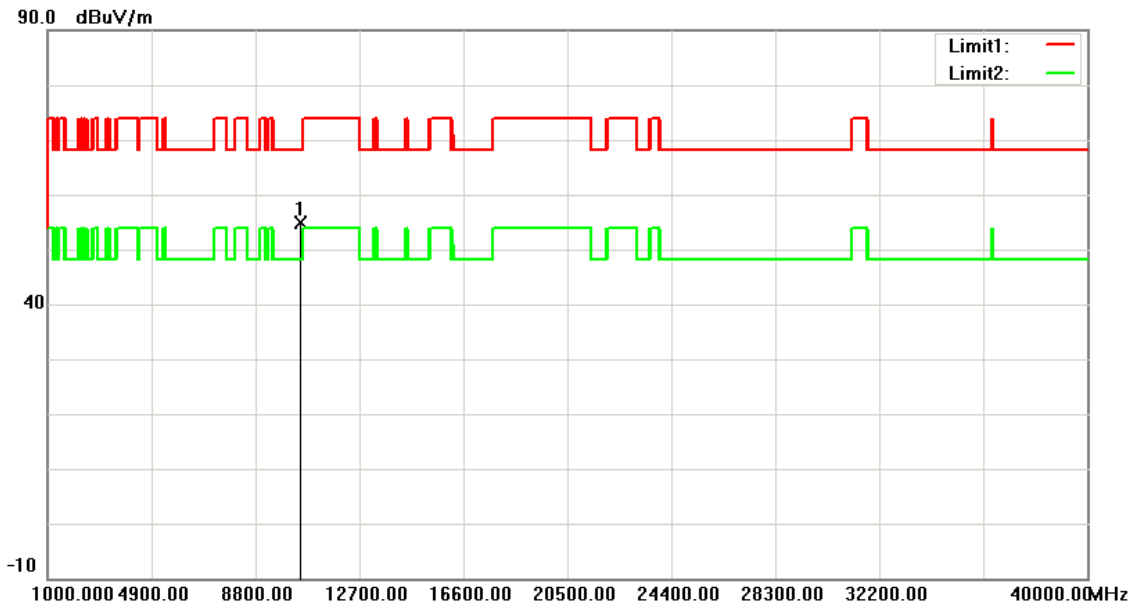
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	46.19	5.25	51.44	68.20	-16.76	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



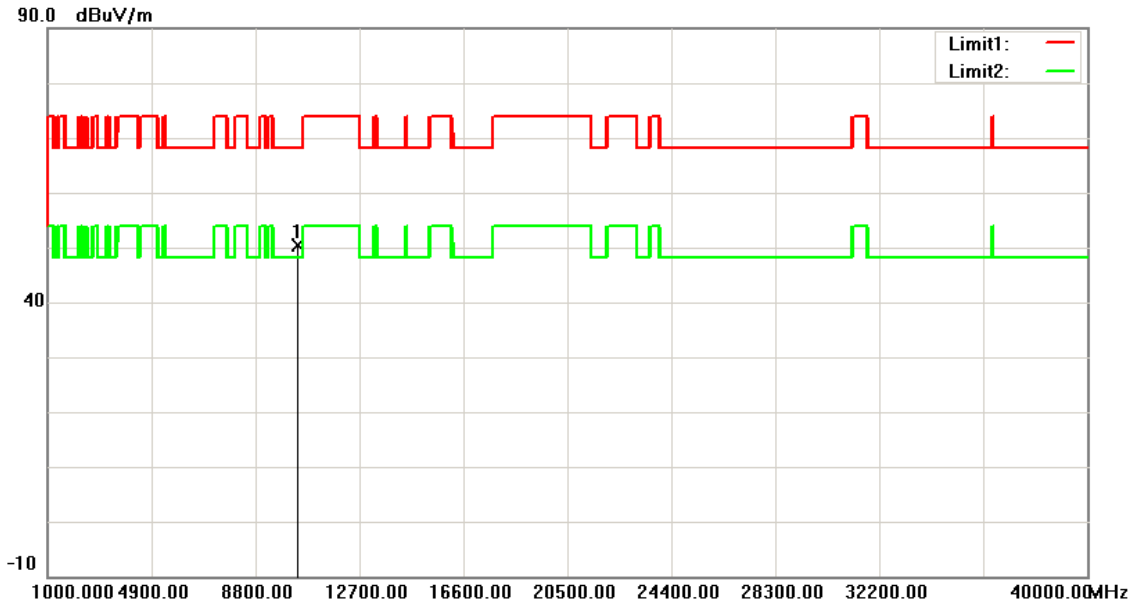
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	49.66	5.25	54.91	68.20	-13.29	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



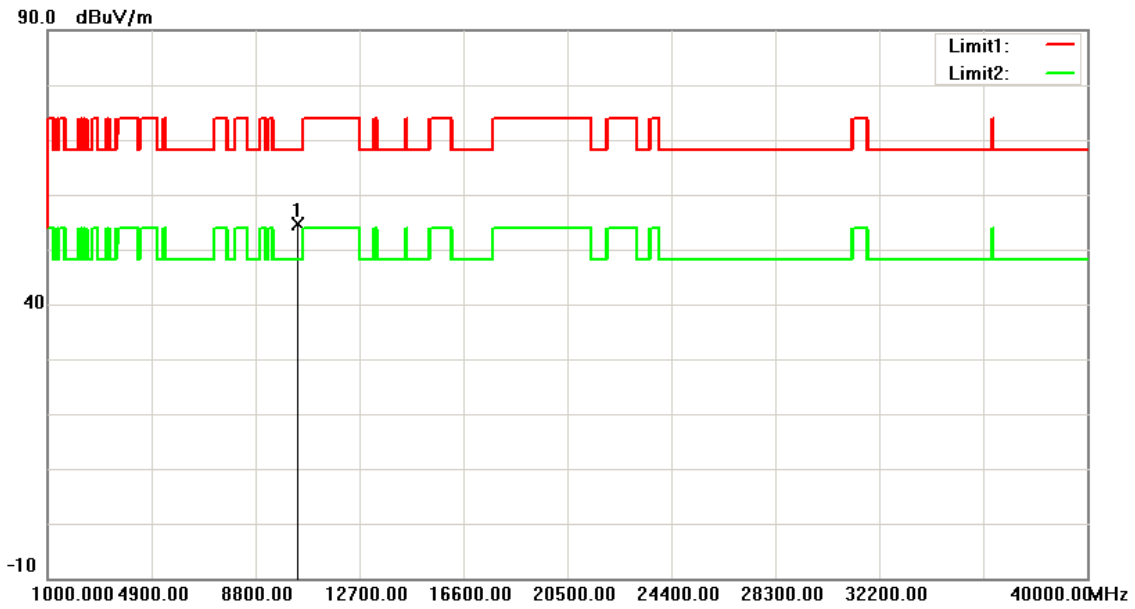
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	45.42	5.01	50.43	68.20	-17.77	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



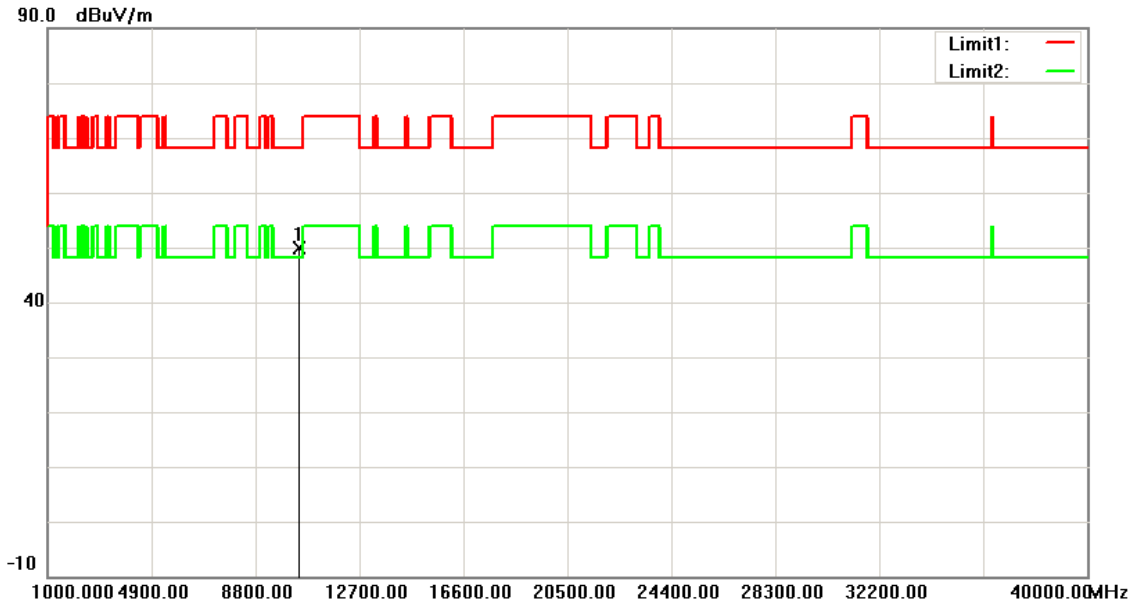
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.62	5.01	54.63	68.20	-13.57	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



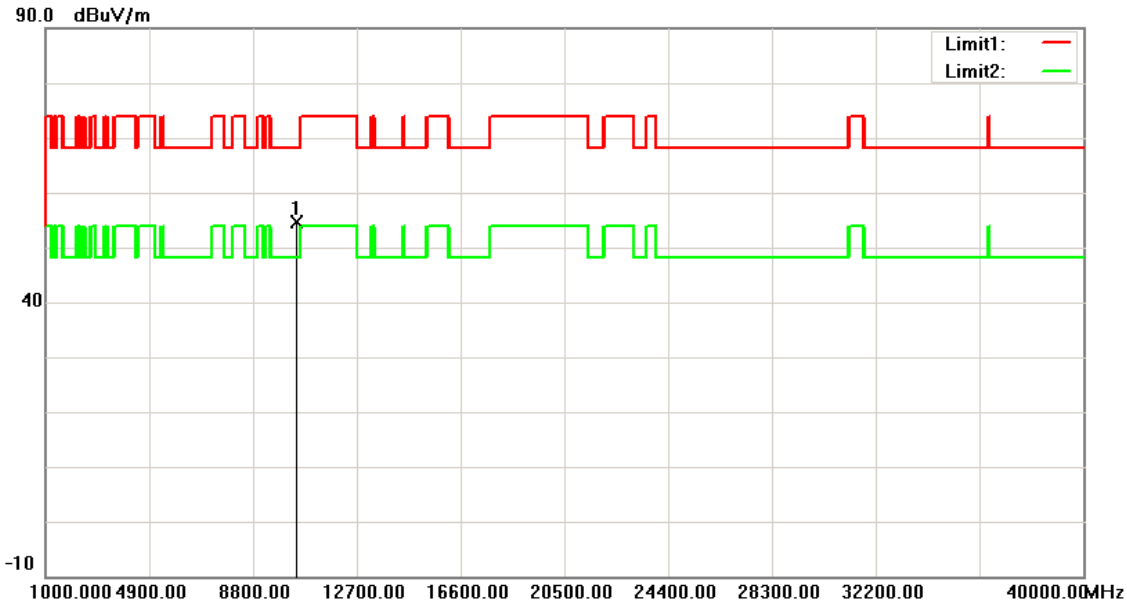
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	44.55	5.22	49.77	68.20	-18.43	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



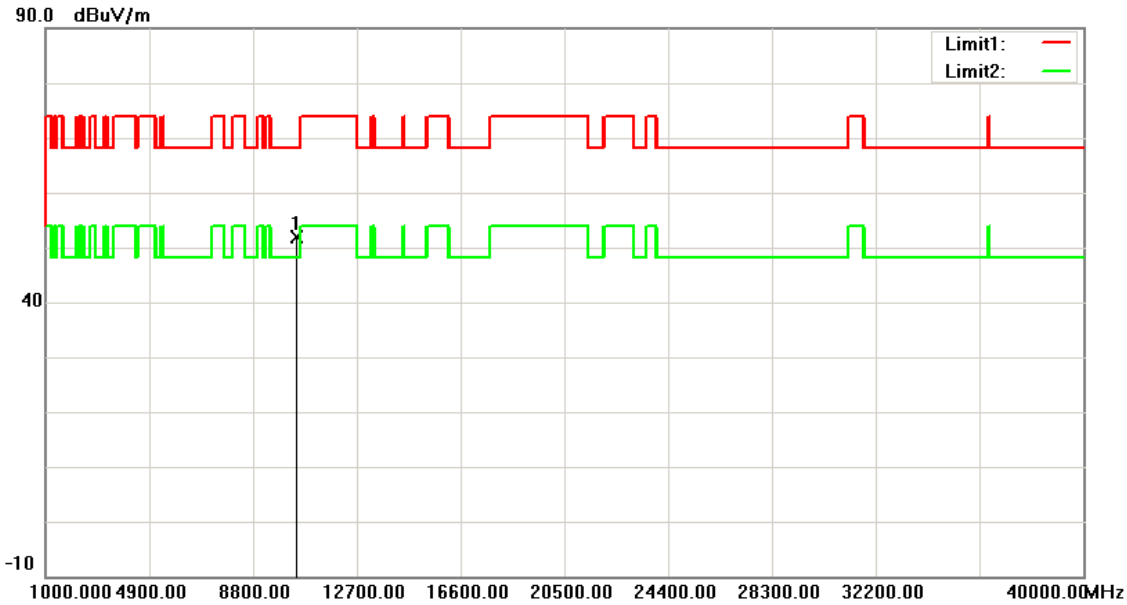
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	49.29	5.22	54.51	68.20	-13.69	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



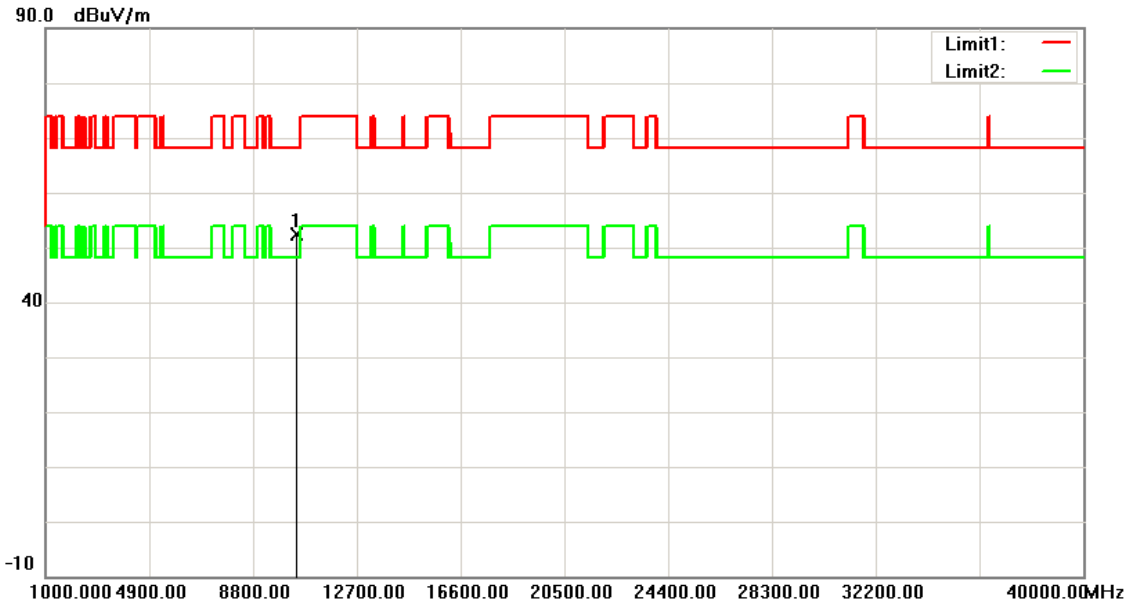
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	46.83	5.11	51.94	68.20	-16.26	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



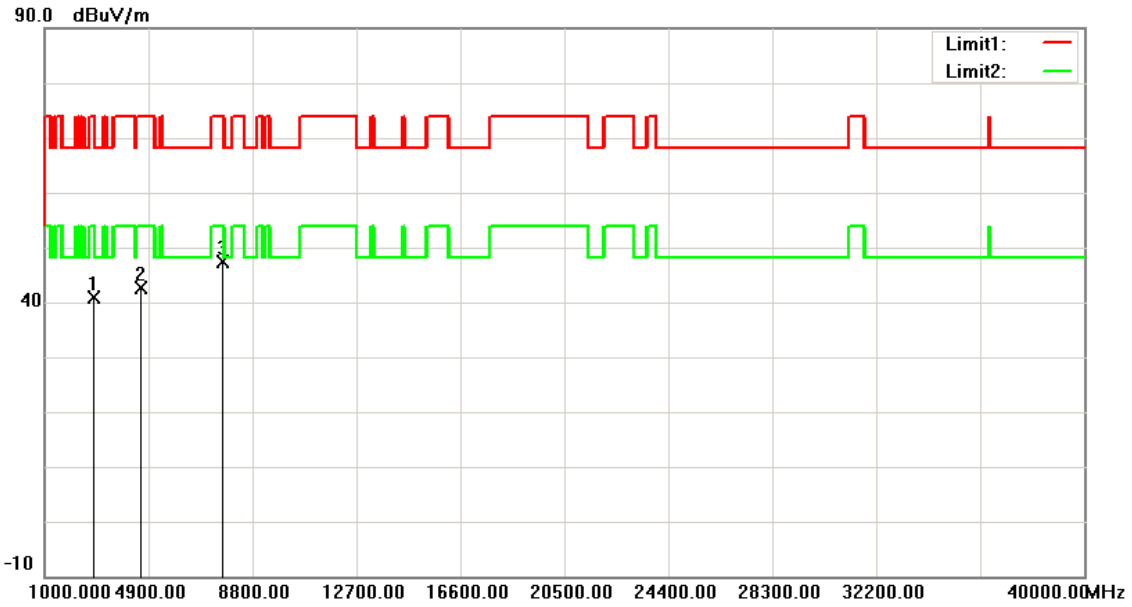
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	47.16	5.11	52.27	68.20	-15.93	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	(DTS+NII)	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Simultaneous Transmitting	Date:	01/07/2017
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB+C059-510347-A		



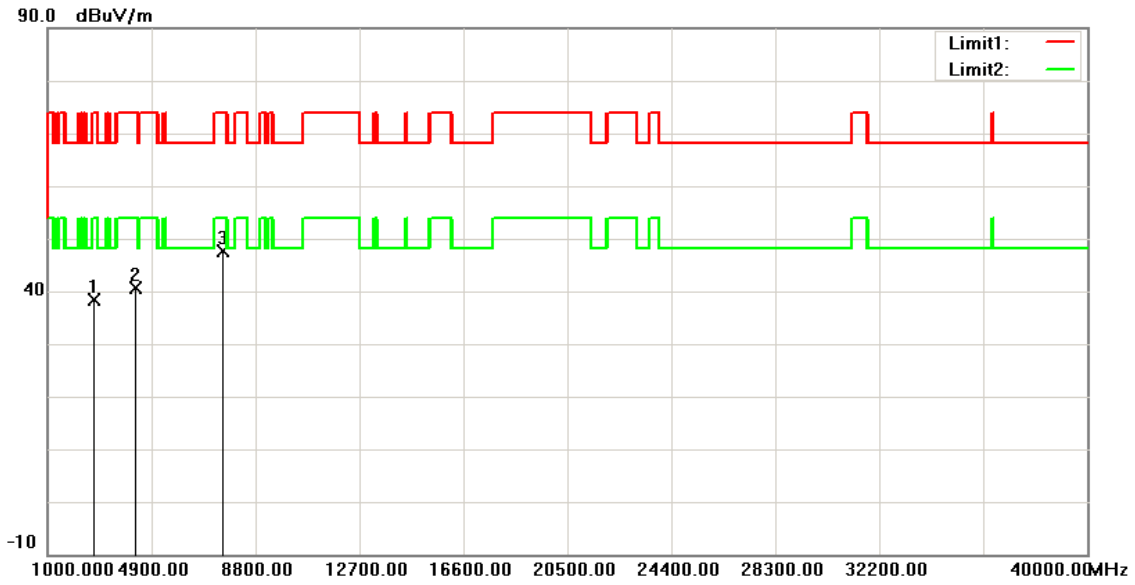
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	54.41	-13.57	40.84	74.00	-33.16	peak
2	4587.000	51.33	-8.70	42.63	74.00	-31.37	peak
3	7647.000	47.05	0.34	47.39	74.00	-26.61	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	(DTS+NII)	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Simultaneous Transmitting	Date:	01/07/2017
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB+C059-510347-A		



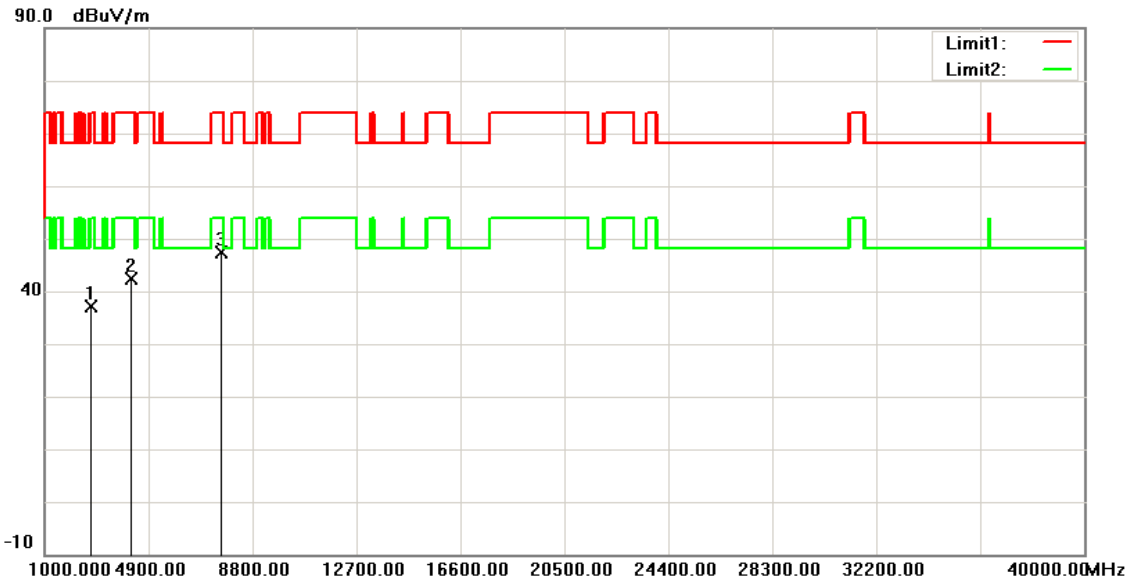
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	52.08	-13.69	38.39	74.00	-35.61	peak
2	4281.000	50.03	-9.50	40.53	74.00	-33.47	peak
3	7579.000	47.44	0.13	47.57	74.00	-26.43	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	(DTS+NII)	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Simultaneous Transmitting	Date:	01/07/2017
Ant.Polar.:	Horizontal		
Description:	Antenna: SAA04-22008A+C059-510347-A		



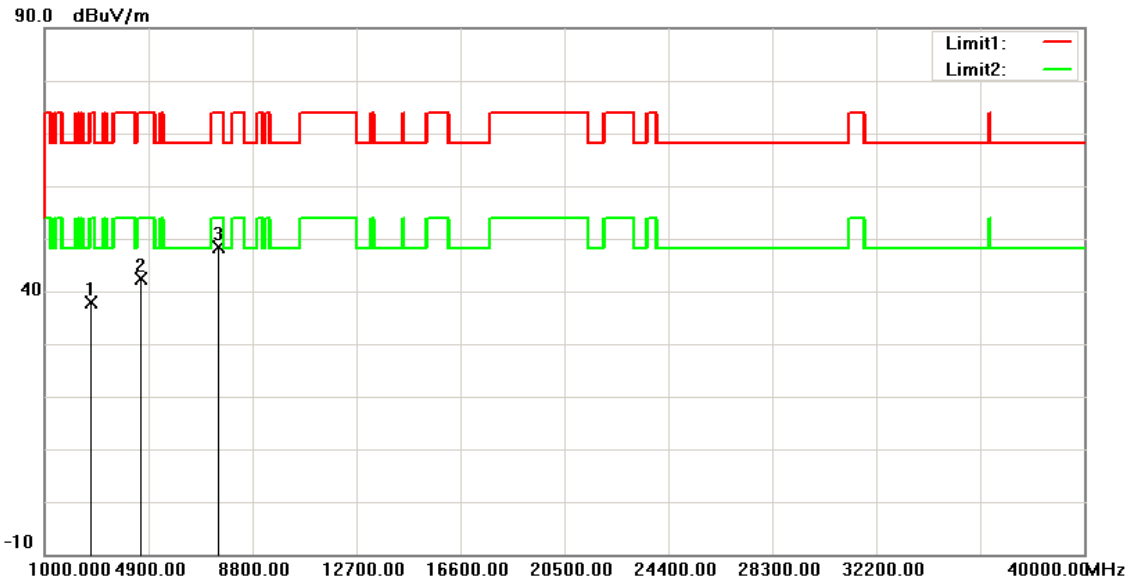
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	50.81	-13.69	37.12	74.00	-36.88	peak
2	4230.000	52.02	-9.64	42.38	74.00	-31.62	peak
3	7613.000	47.22	0.24	47.46	74.00	-26.54	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	(DTS+NII)	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Simultaneous Transmitting	Date:	01/07/2017
Ant.Polar.:	Vertical		
Description:	Antenna: SAA04-22008A+C059-510347-A		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	51.67	-13.69	37.98	74.00	-36.02	peak
2	4587.000	51.15	-8.70	42.45	74.00	-31.55	peak
3	7477.000	48.45	-0.19	48.26	74.00	-25.74	peak

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

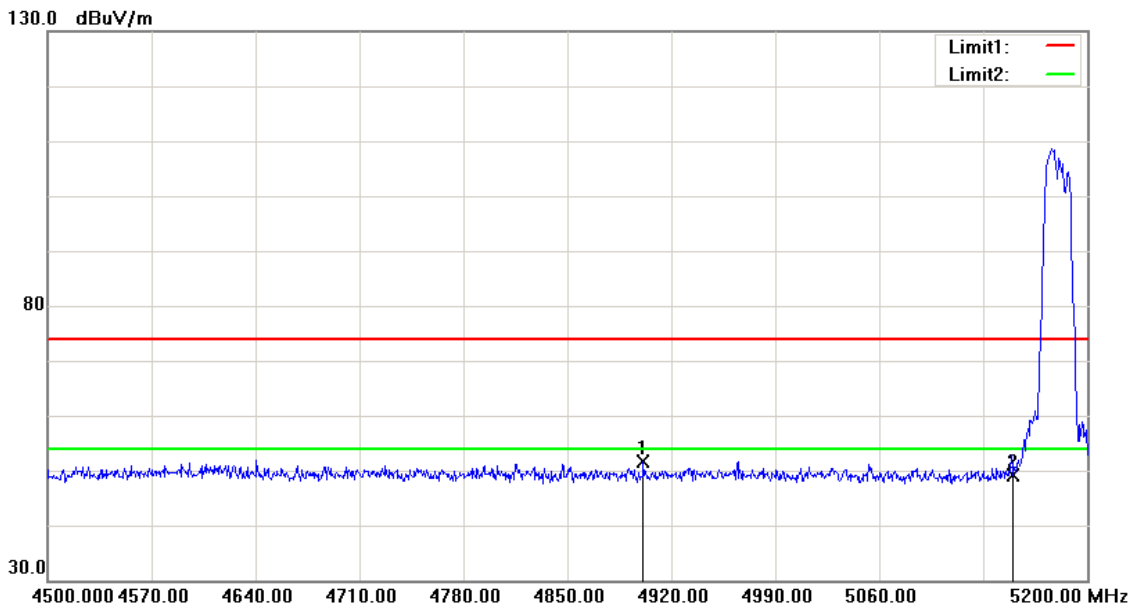
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Band Edge

Module : QCA9984 (EW-7955MAC)

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



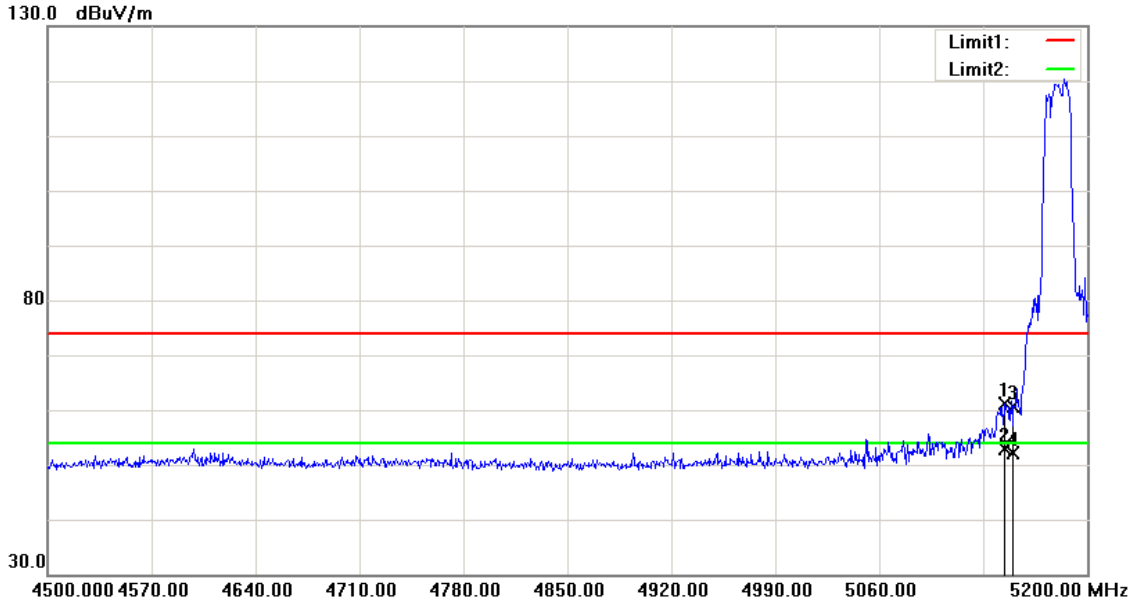
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4901.100	43.98	7.76	51.74	74.00	-22.26	peak
2	5150.000	40.97	8.25	49.22	74.00	-24.78	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



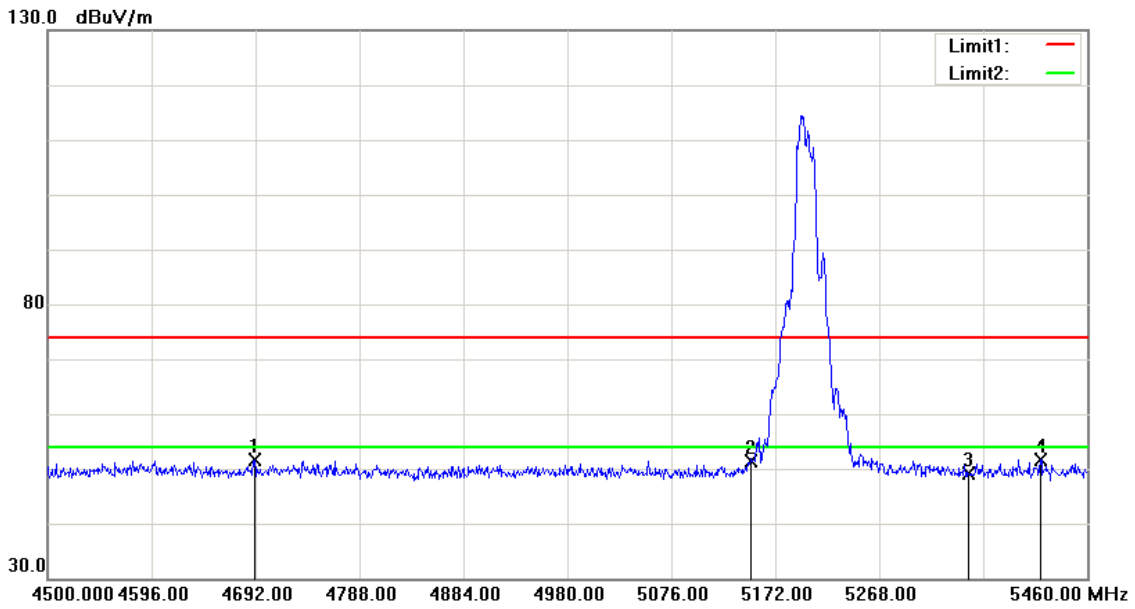
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.000	52.84	8.24	61.08	74.00	-12.92	peak
2	5144.000	44.64	8.24	52.88	54.00	-1.12	AVG
3	5150.000	52.44	8.25	60.69	74.00	-13.31	peak
4	5150.000	43.82	8.25	52.07	54.00	-1.93	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



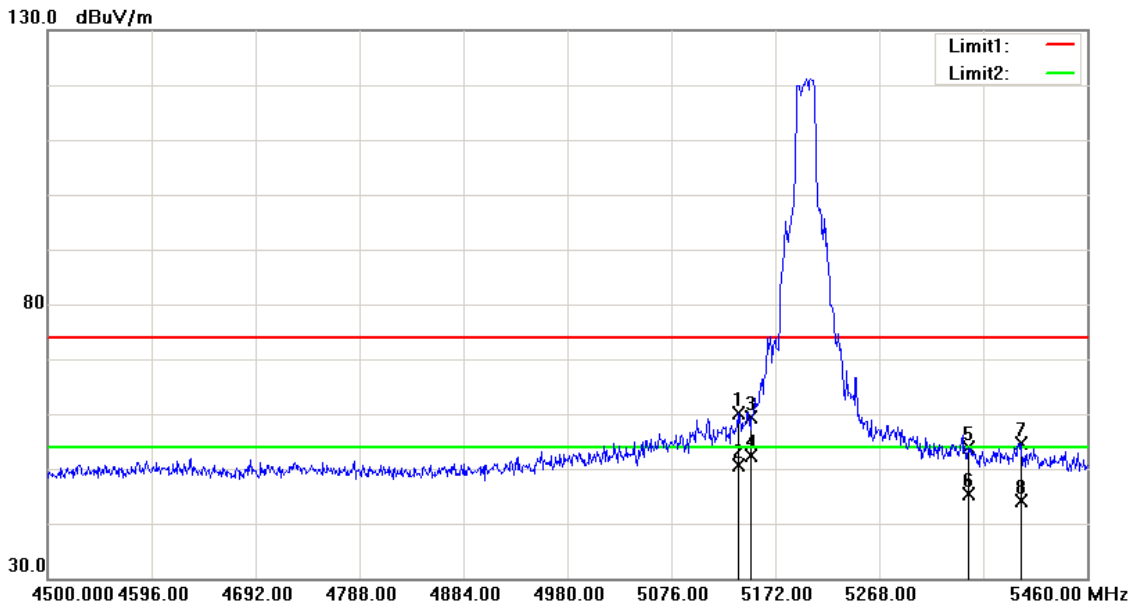
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4691.040	44.52	7.03	51.55	74.00	-22.45	peak
2	5150.000	43.01	8.25	51.26	74.00	-22.74	peak
3	5350.000	40.76	8.41	49.17	74.00	-24.83	peak
4	5416.800	43.22	8.48	51.70	74.00	-22.30	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



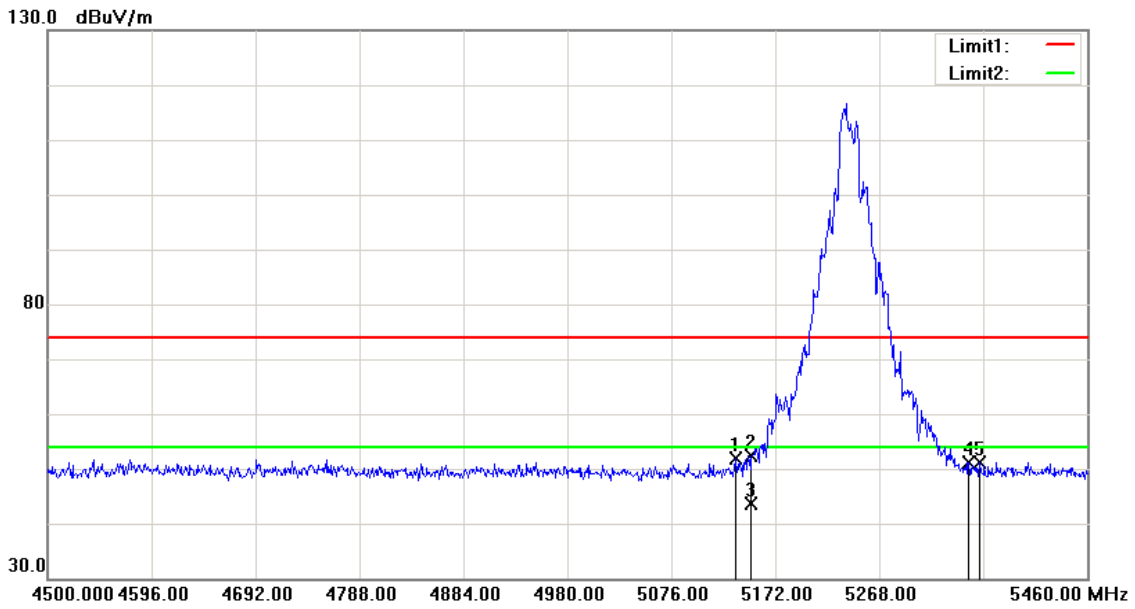
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5137.440	52.00	8.23	60.23	74.00	-13.77	peak
2	5137.440	42.41	8.23	50.64	54.00	-3.36	AVG
3	5150.000	51.06	8.25	59.31	74.00	-14.69	peak
4	5150.000	44.15	8.25	52.40	54.00	-1.60	AVG
5	5350.000	45.49	8.41	53.90	74.00	-20.10	peak
6	5350.000	37.09	8.41	45.50	54.00	-8.50	AVG
7	5398.560	46.21	8.47	54.68	74.00	-19.32	peak
8	5398.560	35.74	8.47	44.21	54.00	-9.79	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



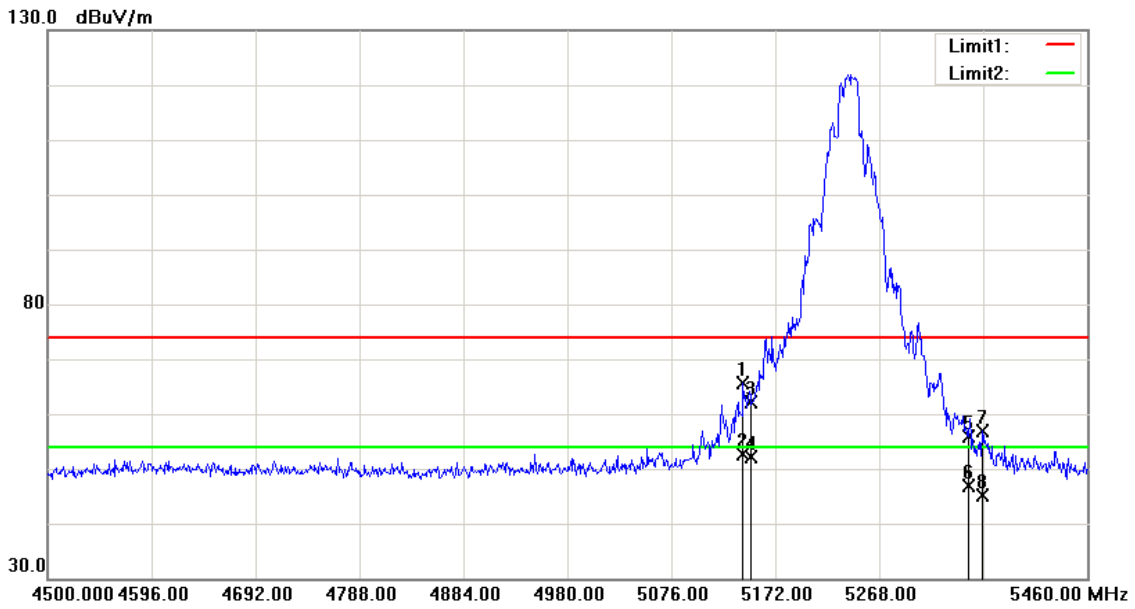
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5135.520	43.58	8.23	51.81	74.00	-22.19	peak
2	5150.000	44.02	8.25	52.27	74.00	-21.73	peak
3	5150.000	35.29	8.25	43.54	54.00	-10.46	AVG
4	5350.000	42.61	8.41	51.02	74.00	-22.98	peak
5	5360.160	42.81	8.42	51.23	74.00	-22.77	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



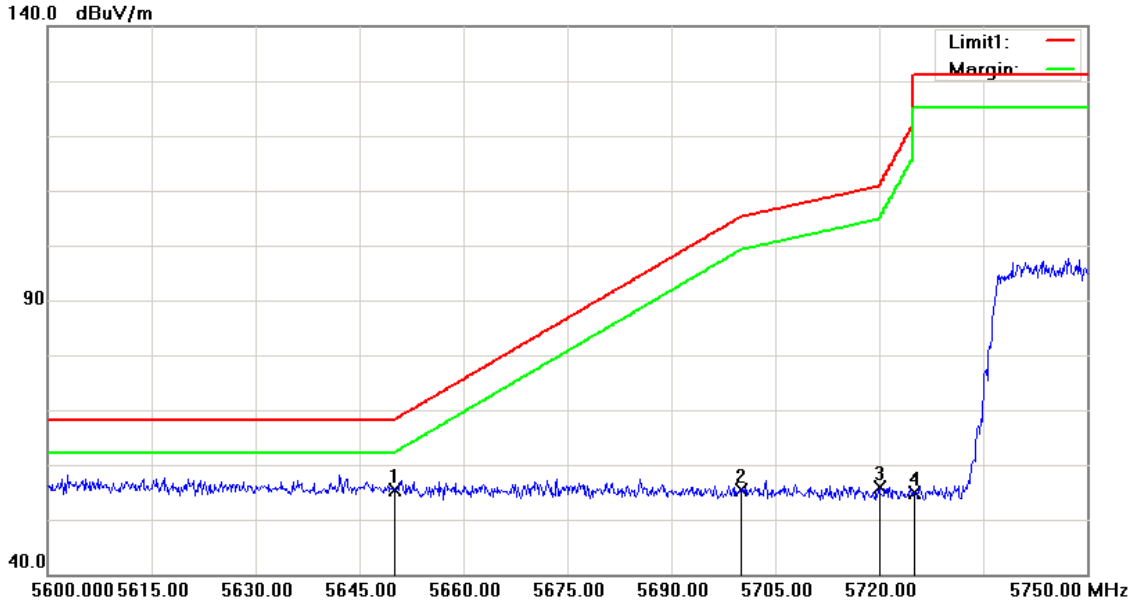
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.240	57.44	8.24	65.68	74.00	-8.32	peak
2	5142.240	44.29	8.24	52.53	54.00	-1.47	AVG
3	5150.000	53.97	8.25	62.22	74.00	-11.78	peak
4	5150.000	43.89	8.25	52.14	54.00	-1.86	AVG
5	5350.000	47.54	8.41	55.95	74.00	-18.05	peak
6	5350.000	38.47	8.41	46.88	54.00	-7.12	AVG
7	5363.040	48.47	8.43	56.90	74.00	-17.10	peak
8	5363.040	36.71	8.43	45.14	54.00	-8.86	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



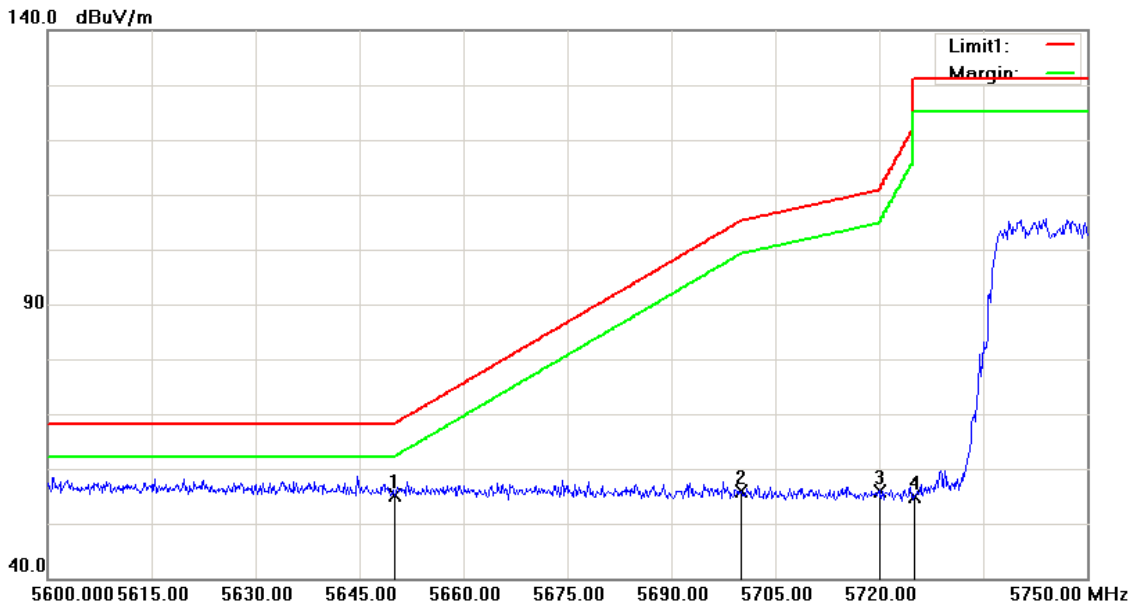
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.48	8.93	55.41	68.20	-12.79	peak
2	5700.000	46.24	9.05	55.29	105.20	-49.91	peak
3	5720.000	46.88	9.09	55.97	110.80	-54.83	peak
4	5725.000	45.89	9.11	55.00	122.20	-67.20	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



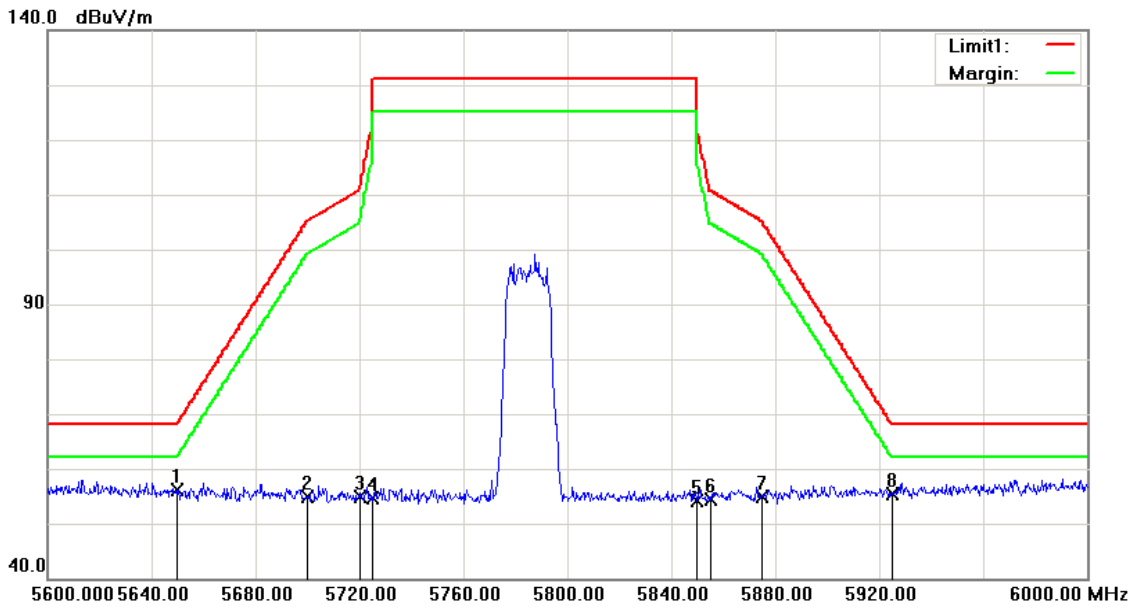
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.13	8.93	55.06	68.20	-13.14	peak
2	5700.000	46.72	9.05	55.77	105.20	-49.43	peak
3	5720.000	46.91	9.09	56.00	110.80	-54.80	peak
4	5725.000	45.87	9.11	54.98	122.20	-67.22	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



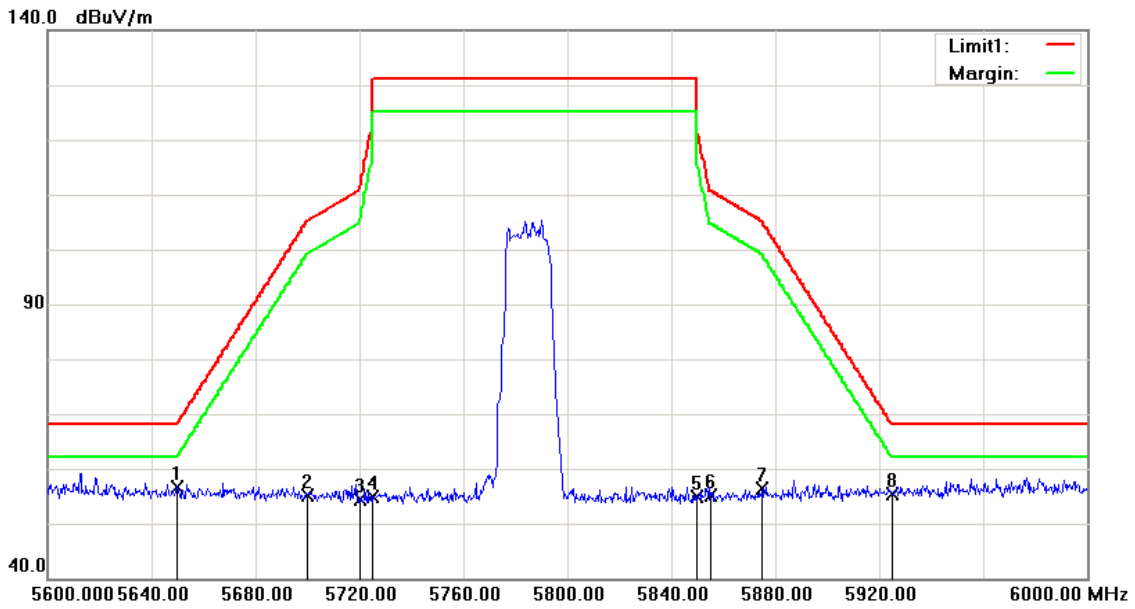
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.23	8.93	56.16	68.20	-12.04	peak
2	5700.000	45.82	9.05	54.87	105.20	-50.33	peak
3	5720.000	45.83	9.09	54.92	110.80	-55.88	peak
4	5725.000	45.48	9.11	54.59	122.20	-67.61	peak
5	5850.000	44.73	9.41	54.14	122.20	-68.06	peak
6	5855.000	44.87	9.43	54.30	110.80	-56.50	peak
7	5875.000	45.41	9.48	54.89	105.20	-50.31	peak
8	5925.000	45.73	9.61	55.34	68.20	-12.86	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



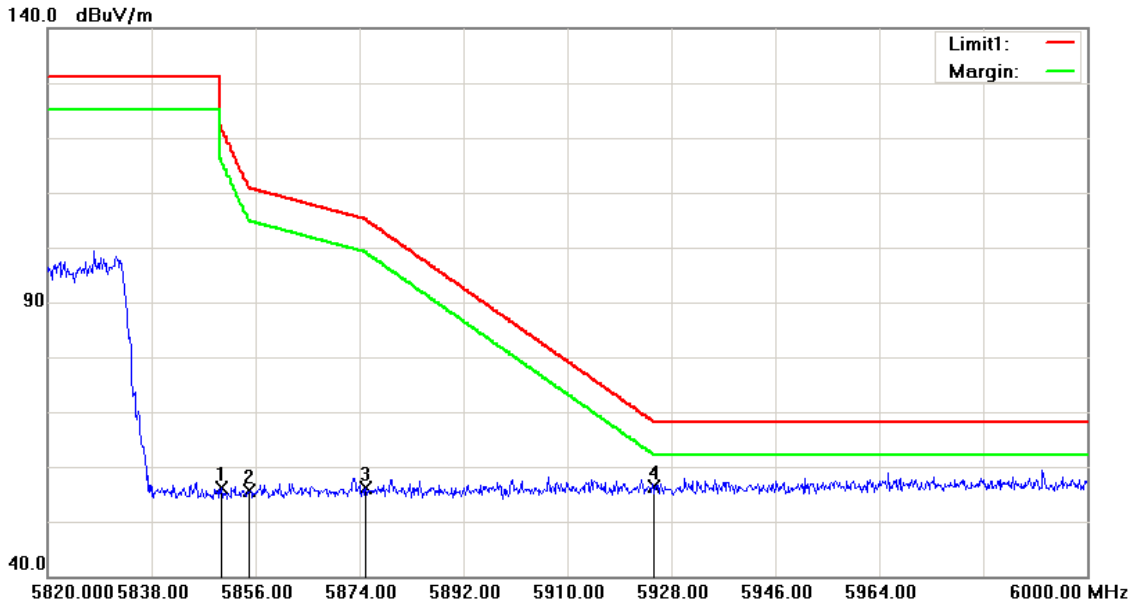
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.63	8.93	56.56	68.20	-11.64	peak
2	5700.000	46.14	9.05	55.19	105.20	-50.01	peak
3	5720.000	45.37	9.09	54.46	110.80	-56.34	peak
4	5725.000	45.66	9.11	54.77	122.20	-67.43	peak
5	5850.000	45.52	9.41	54.93	122.20	-67.27	peak
6	5855.000	45.75	9.43	55.18	110.80	-55.62	peak
7	5875.000	46.96	9.48	56.44	105.20	-48.76	peak
8	5925.000	45.88	9.61	55.49	68.20	-12.71	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



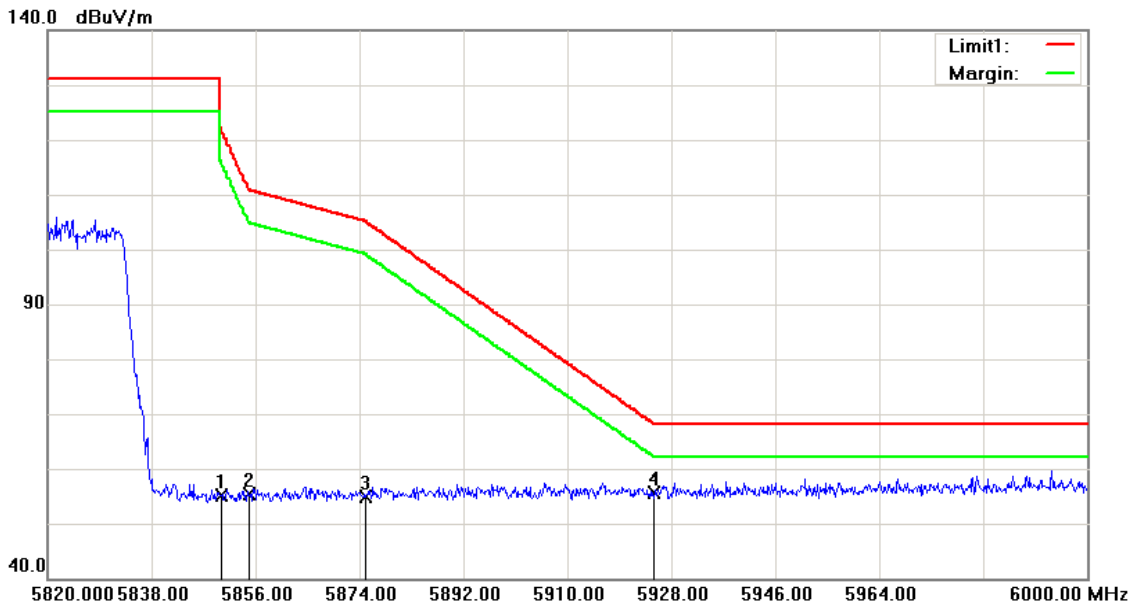
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.78	9.41	56.19	122.20	-66.01	peak
2	5855.000	46.24	9.43	55.67	110.80	-55.13	peak
3	5875.000	46.74	9.48	56.22	105.20	-48.98	peak
4	5925.000	46.72	9.61	56.33	68.20	-11.87	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



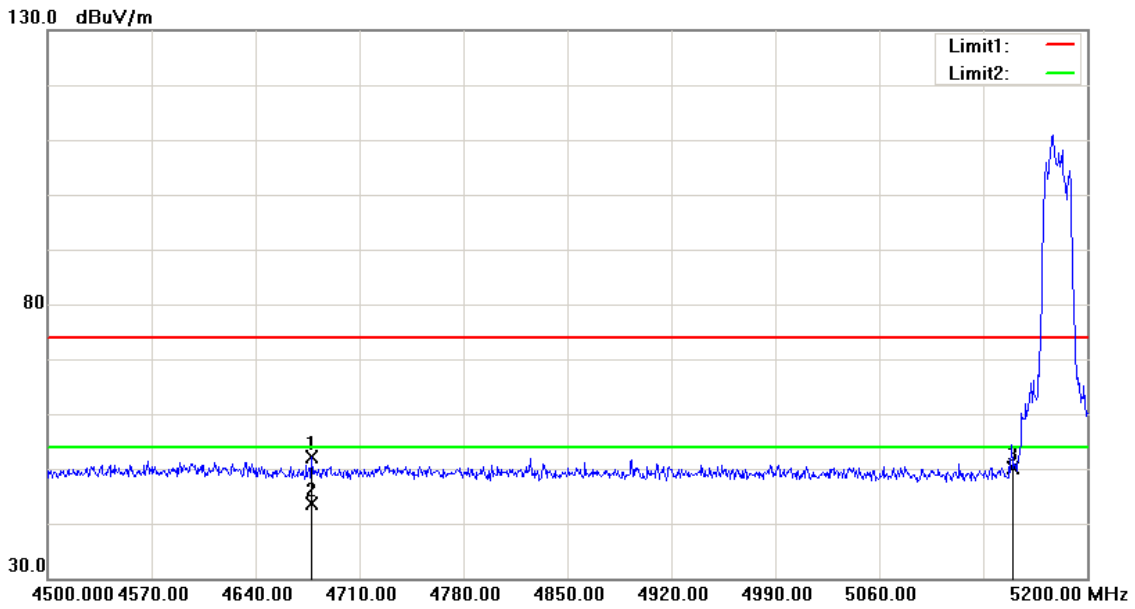
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.70	9.41	55.11	122.20	-67.09	peak
2	5855.000	46.02	9.43	55.45	110.80	-55.35	peak
3	5875.000	45.46	9.48	54.94	105.20	-50.26	peak
4	5925.000	45.94	9.61	55.55	68.20	-12.65	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



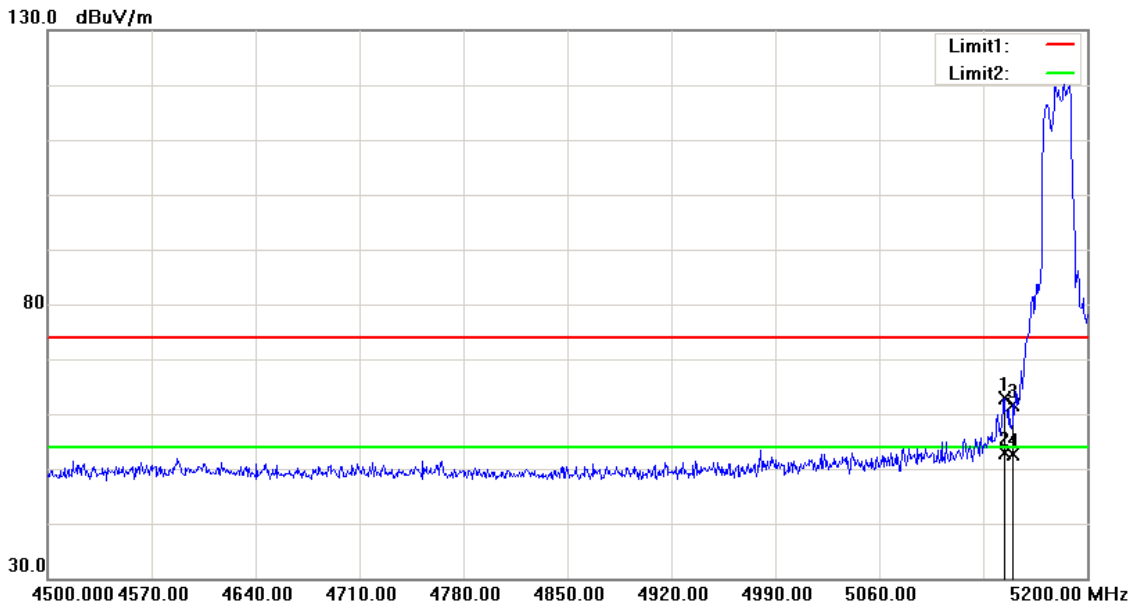
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4677.800	45.19	6.99	52.18	74.00	-21.82	peak
2	4677.800	36.62	6.99	43.61	54.00	-10.39	AVG
3	5150.000	41.94	8.25	50.19	74.00	-23.81	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



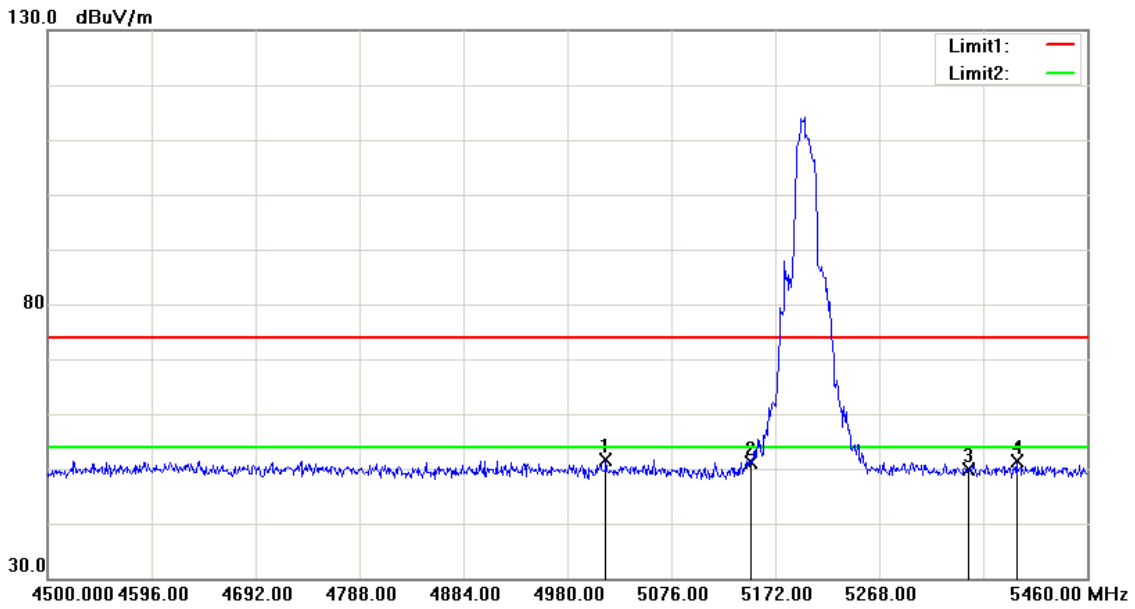
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.000	54.68	8.24	62.92	74.00	-11.08	peak
2	5144.000	44.73	8.24	52.97	54.00	-1.03	AVG
3	5150.000	53.29	8.25	61.54	74.00	-12.46	peak
4	5150.000	44.31	8.25	52.56	54.00	-1.44	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



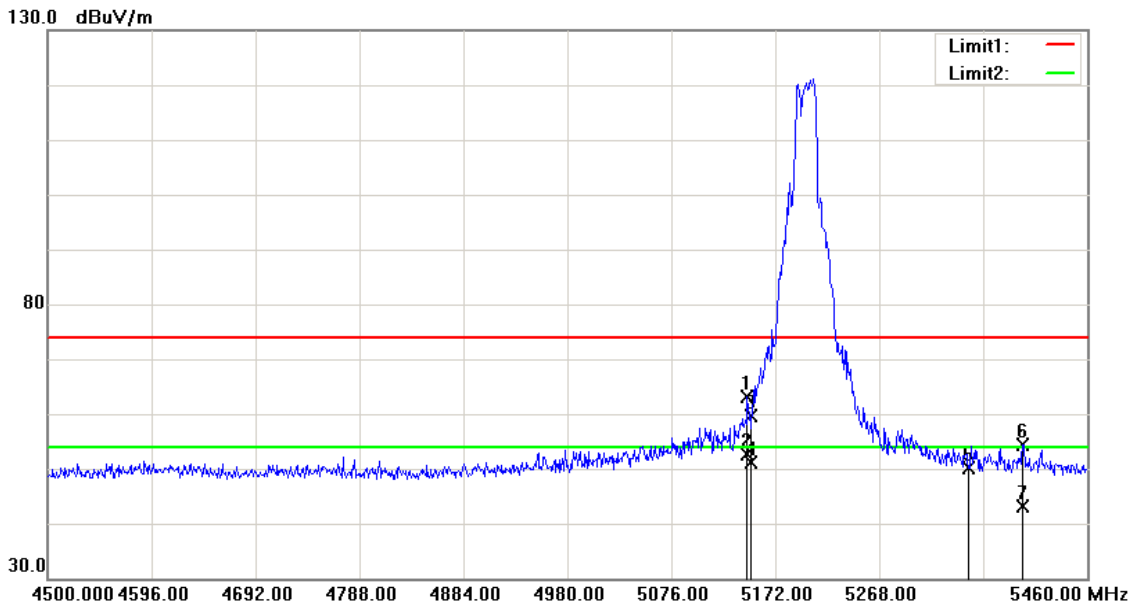
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5015.520	43.57	8.13	51.70	74.00	-22.30	peak
2	5150.000	42.76	8.25	51.01	74.00	-22.99	peak
3	5350.000	41.50	8.41	49.91	74.00	-24.09	peak
4	5394.720	42.97	8.46	51.43	74.00	-22.57	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



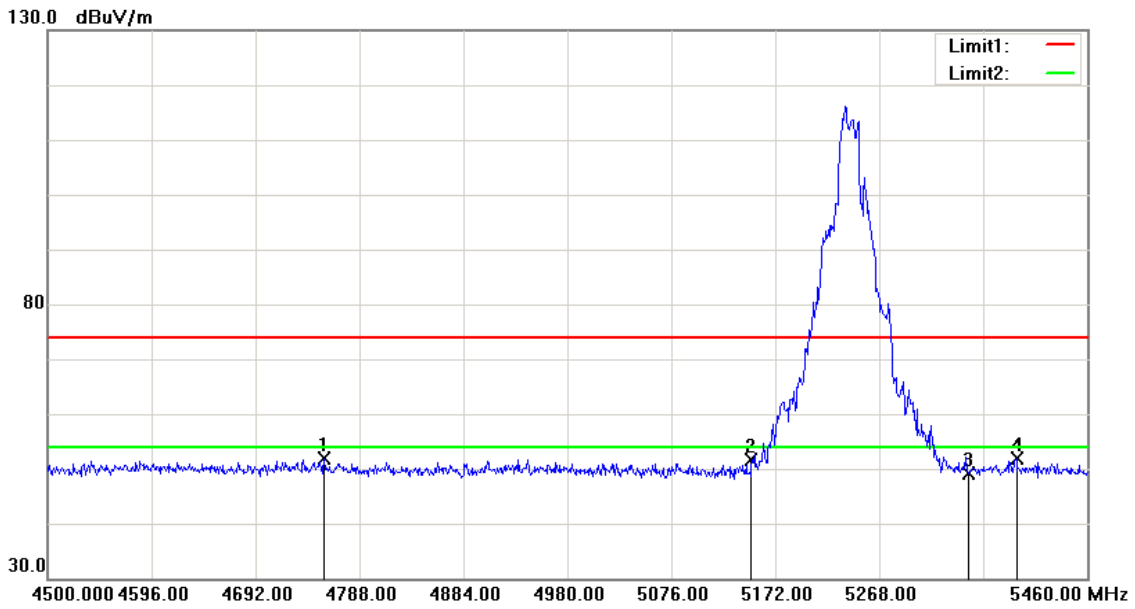
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.080	54.94	8.24	63.18	74.00	-10.82	peak
2	5146.080	44.28	8.24	52.52	54.00	-1.48	AVG
3	5150.000	51.34	8.25	59.59	74.00	-14.41	peak
4	5150.000	42.86	8.25	51.11	54.00	-2.89	AVG
5	5350.000	41.76	8.41	50.17	74.00	-23.83	peak
6	5400.480	45.93	8.47	54.40	74.00	-19.60	peak
7	5400.480	34.78	8.47	43.25	54.00	-10.75	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



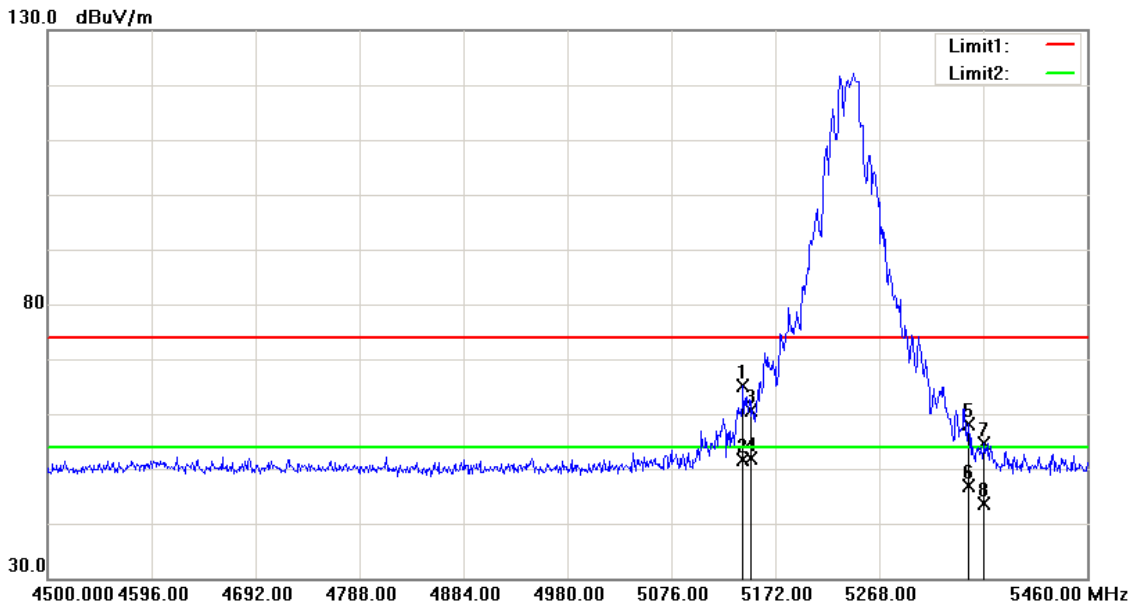
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4755.360	44.59	7.26	51.85	74.00	-22.15	peak
2	5150.000	43.37	8.25	51.62	74.00	-22.38	peak
3	5350.000	40.61	8.41	49.02	74.00	-24.98	peak
4	5394.720	43.48	8.46	51.94	74.00	-22.06	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	11/30/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



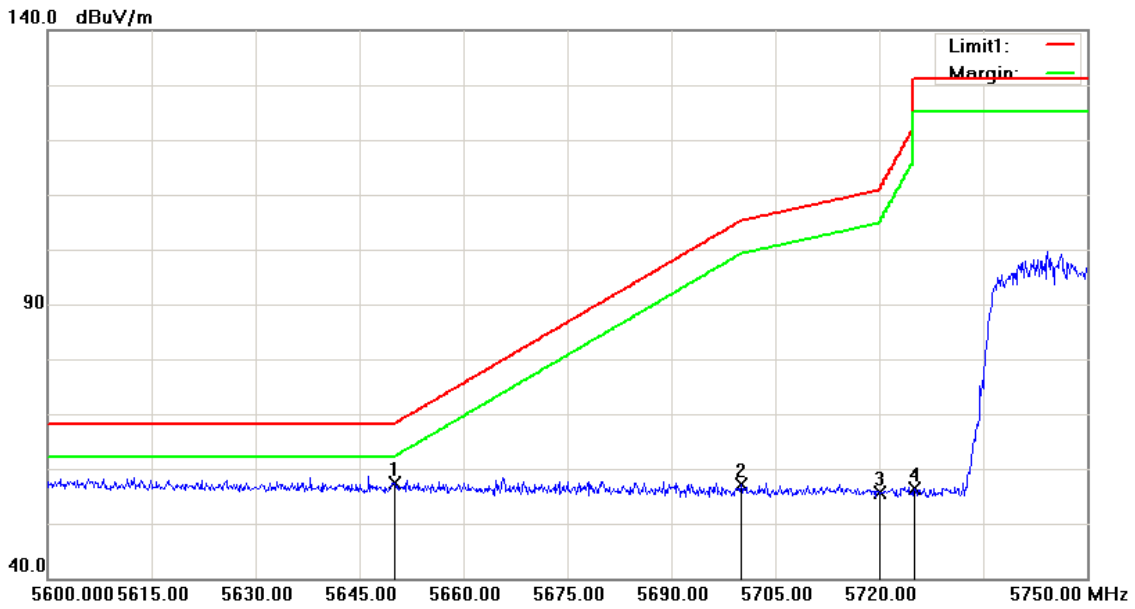
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.240	56.97	8.24	65.21	74.00	-8.79	peak
2	5142.240	43.40	8.24	51.64	54.00	-2.36	AVG
3	5150.000	52.33	8.25	60.58	74.00	-13.42	peak
4	5150.000	43.52	8.25	51.77	54.00	-2.23	AVG
5	5350.000	49.76	8.41	58.17	74.00	-15.83	peak
6	5350.000	38.41	8.41	46.82	54.00	-7.18	AVG
7	5364.960	46.25	8.43	54.68	74.00	-19.32	peak
8	5364.960	35.30	8.43	43.73	54.00	-10.27	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



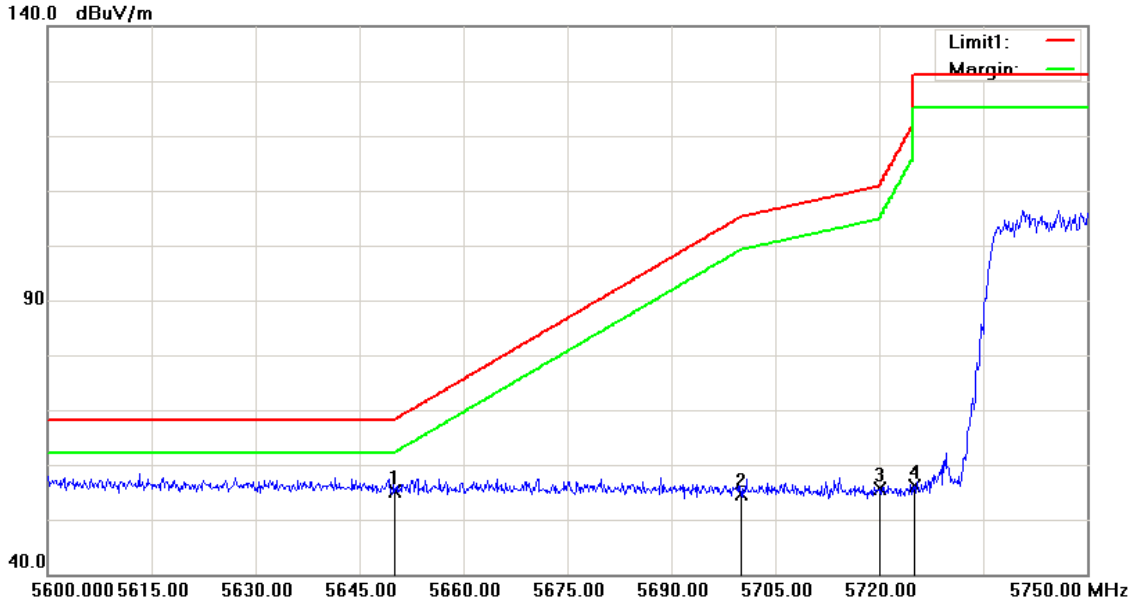
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.45	8.93	57.38	68.20	-10.82	peak
2	5700.000	48.07	9.05	57.12	105.20	-48.08	peak
3	5720.000	46.49	9.09	55.58	110.80	-55.22	peak
4	5725.000	47.24	9.11	56.35	122.20	-65.85	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



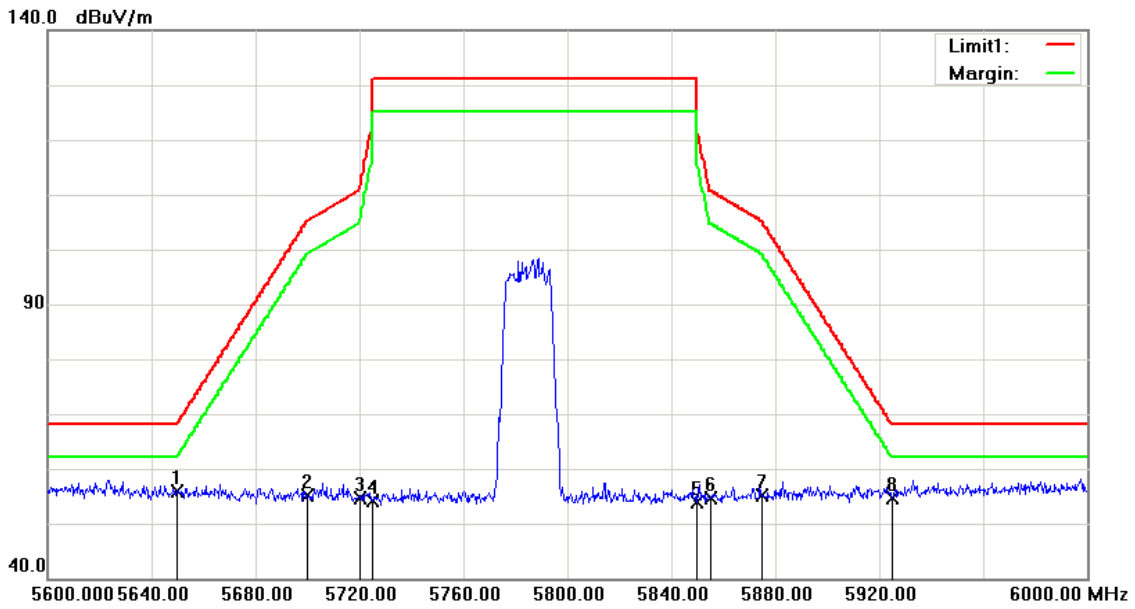
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.10	8.93	55.03	68.20	-13.17	peak
2	5700.000	45.54	9.05	54.59	105.20	-50.61	peak
3	5720.000	46.45	9.09	55.54	110.80	-55.26	peak
4	5725.000	46.93	9.11	56.04	122.20	-66.16	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



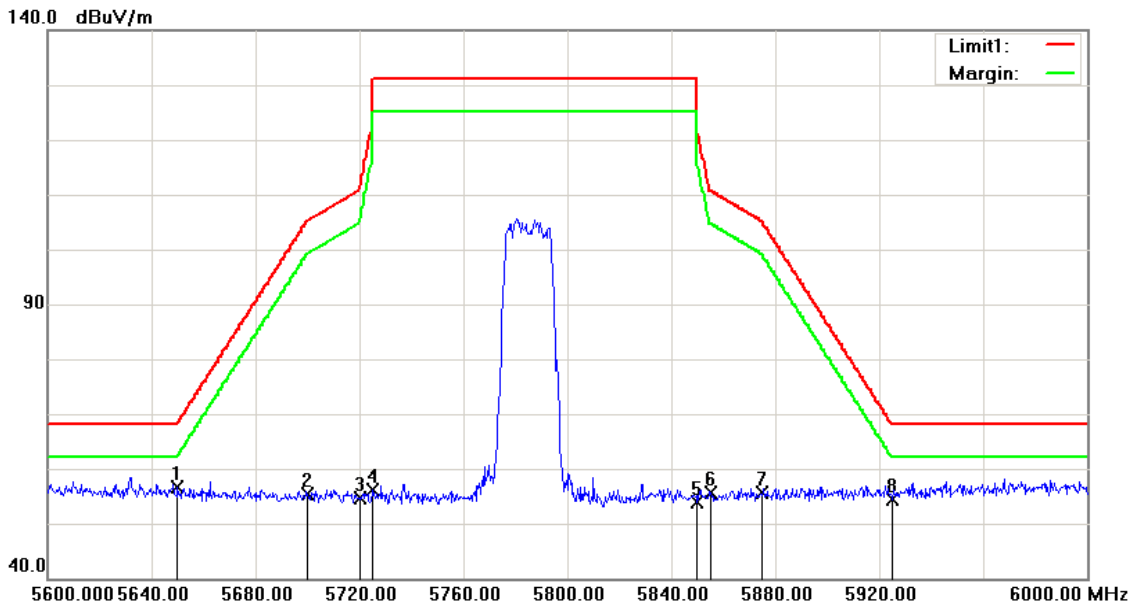
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.83	8.93	55.76	68.20	-12.44	peak
2	5700.000	46.00	9.05	55.05	105.20	-50.15	peak
3	5720.000	45.58	9.09	54.67	110.80	-56.13	peak
4	5725.000	44.91	9.11	54.02	122.20	-68.18	peak
5	5850.000	44.53	9.41	53.94	122.20	-68.26	peak
6	5855.000	45.27	9.43	54.70	110.80	-56.10	peak
7	5875.000	45.54	9.48	55.02	105.20	-50.18	peak
8	5925.000	45.13	9.61	54.74	68.20	-13.46	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



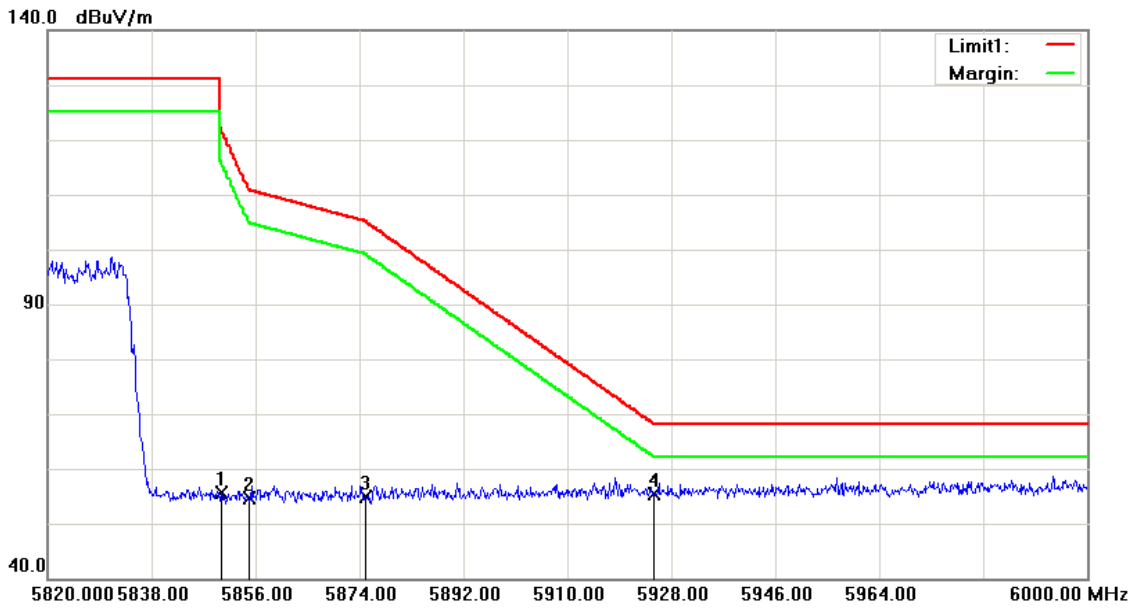
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.67	8.93	56.60	68.20	-11.60	peak
2	5700.000	46.42	9.05	55.47	105.20	-49.73	peak
3	5720.000	45.46	9.09	54.55	110.80	-56.25	peak
4	5725.000	46.98	9.11	56.09	122.20	-66.11	peak
5	5850.000	44.54	9.41	53.95	122.20	-68.25	peak
6	5855.000	46.09	9.43	55.52	110.80	-55.28	peak
7	5875.000	46.21	9.48	55.69	105.20	-49.51	peak
8	5925.000	44.85	9.61	54.46	68.20	-13.74	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



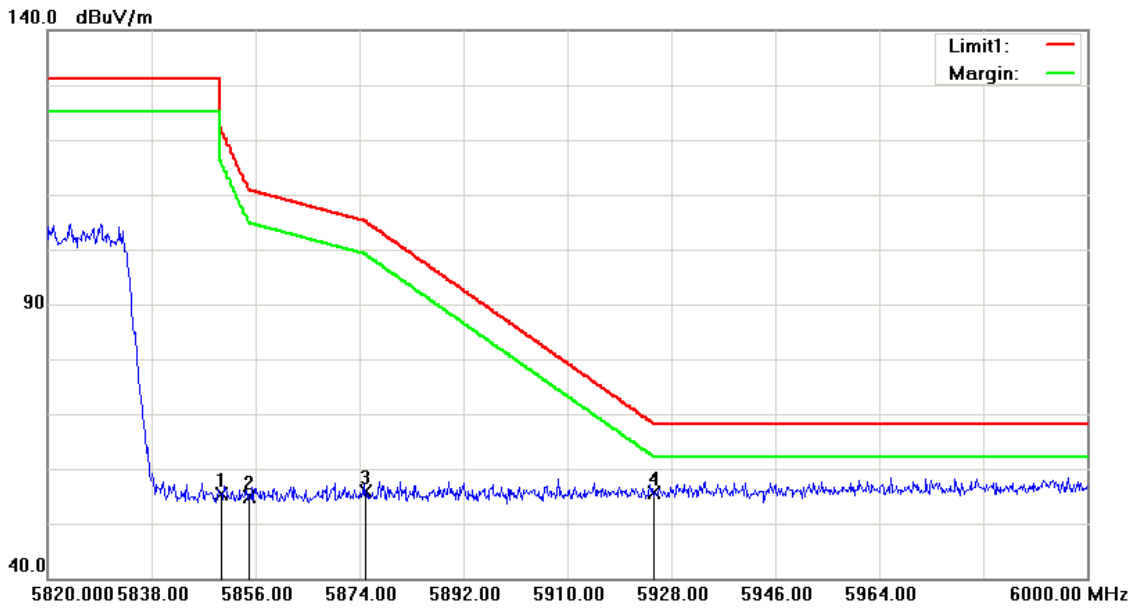
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.14	9.41	55.55	122.20	-66.65	peak
2	5855.000	45.27	9.43	54.70	110.80	-56.10	peak
3	5875.000	45.45	9.48	54.93	105.20	-50.27	peak
4	5925.000	45.88	9.61	55.49	68.20	-12.71	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



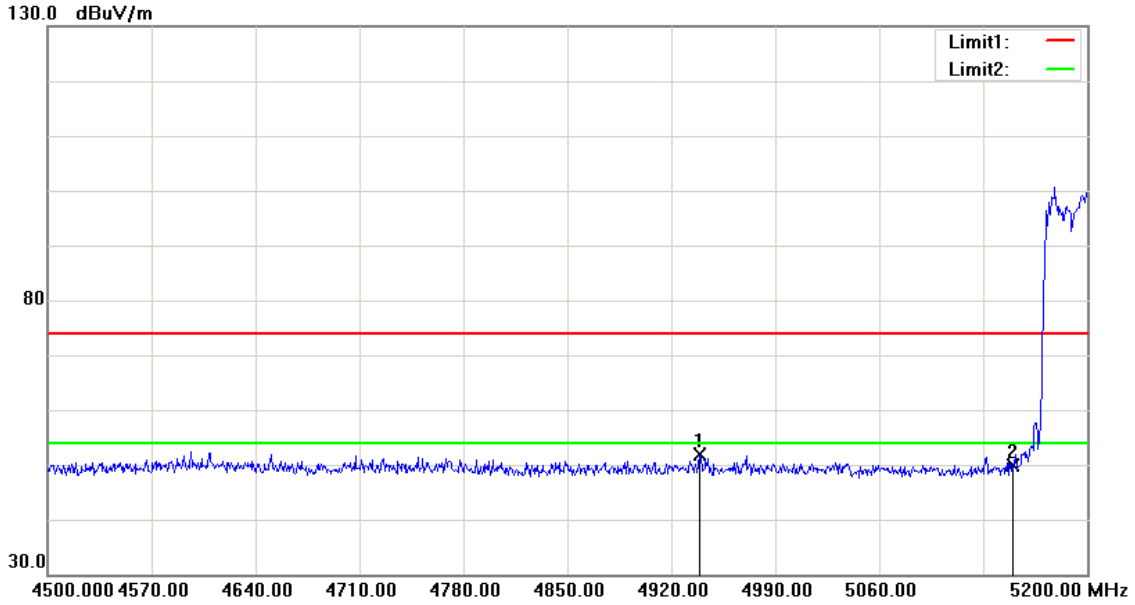
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.07	9.41	55.48	122.20	-66.72	peak
2	5855.000	45.56	9.43	54.99	110.80	-55.81	peak
3	5875.000	46.32	9.48	55.80	105.20	-49.40	peak
4	5925.000	46.13	9.61	55.74	68.20	-12.46	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



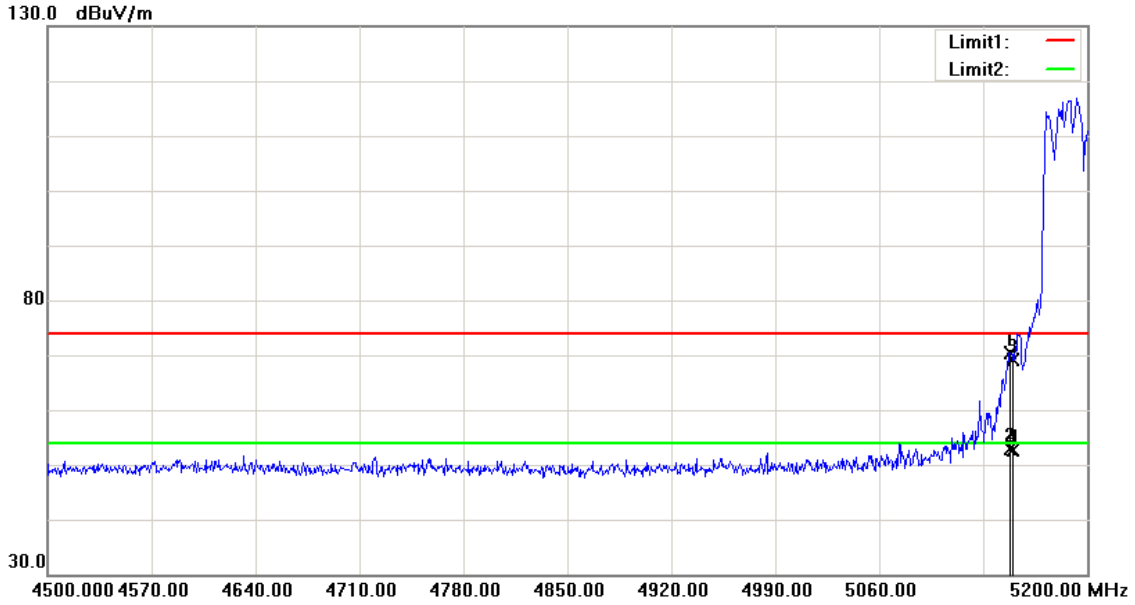
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4938.900	43.87	7.90	51.77	74.00	-22.23	peak
2	5150.000	41.65	8.25	49.90	74.00	-24.10	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



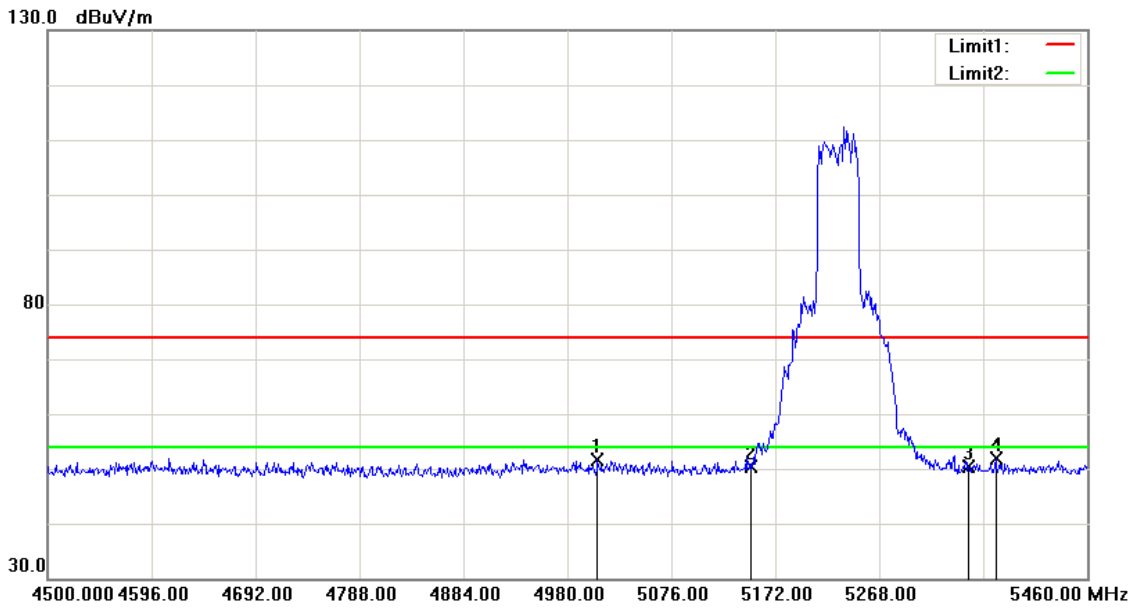
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.200	62.17	8.25	70.42	74.00	-3.58	peak
2	5148.200	44.66	8.25	52.91	54.00	-1.09	AVG
3	5150.000	60.89	8.25	69.14	74.00	-4.86	peak
4	5150.000	44.32	8.25	52.57	54.00	-1.43	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



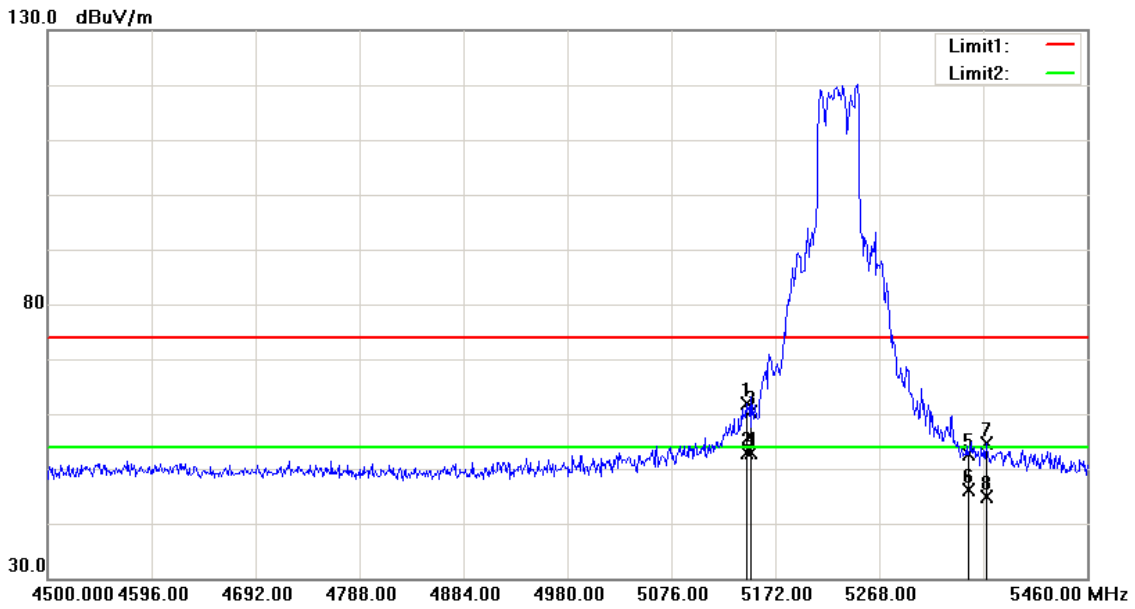
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5007.840	43.57	8.11	51.68	74.00	-22.32	peak
2	5150.000	42.15	8.25	50.40	74.00	-23.60	peak
3	5350.000	41.96	8.41	50.37	74.00	-23.63	peak
4	5375.520	43.53	8.45	51.98	74.00	-22.02	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



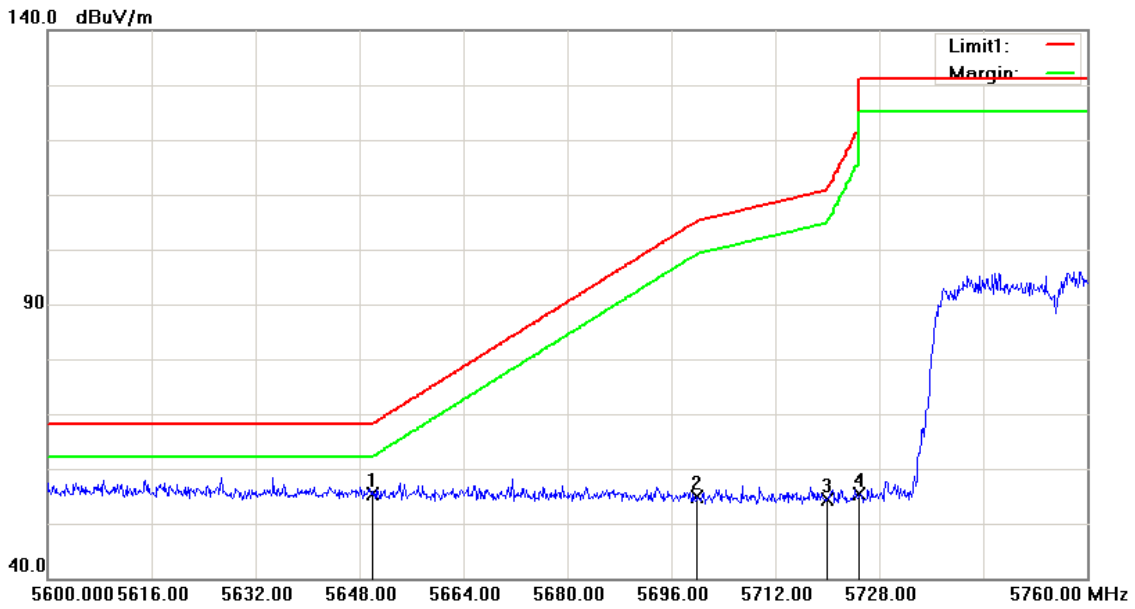
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.120	53.55	8.24	61.79	74.00	-12.21	peak
2	5145.120	44.76	8.24	53.00	54.00	-1.00	AVG
3	5150.000	52.22	8.25	60.47	74.00	-13.53	peak
4	5150.000	44.62	8.25	52.87	54.00	-1.13	AVG
5	5350.000	44.25	8.41	52.66	74.00	-21.34	peak
6	5350.000	37.70	8.41	46.11	54.00	-7.89	AVG
7	5366.880	46.23	8.43	54.66	74.00	-19.34	peak
8	5366.880	36.51	8.43	44.94	54.00	-9.06	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



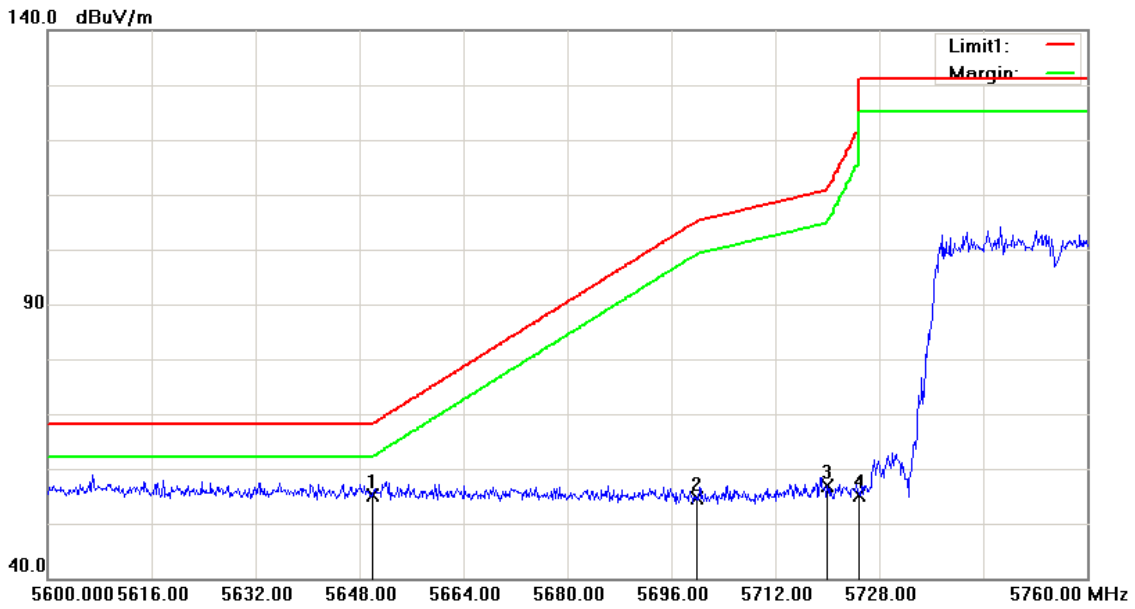
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.39	8.93	55.32	68.20	-12.88	peak
2	5700.000	45.73	9.05	54.78	105.20	-50.42	peak
3	5720.000	45.34	9.09	54.43	110.80	-56.37	peak
4	5725.000	46.17	9.11	55.28	122.20	-66.92	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



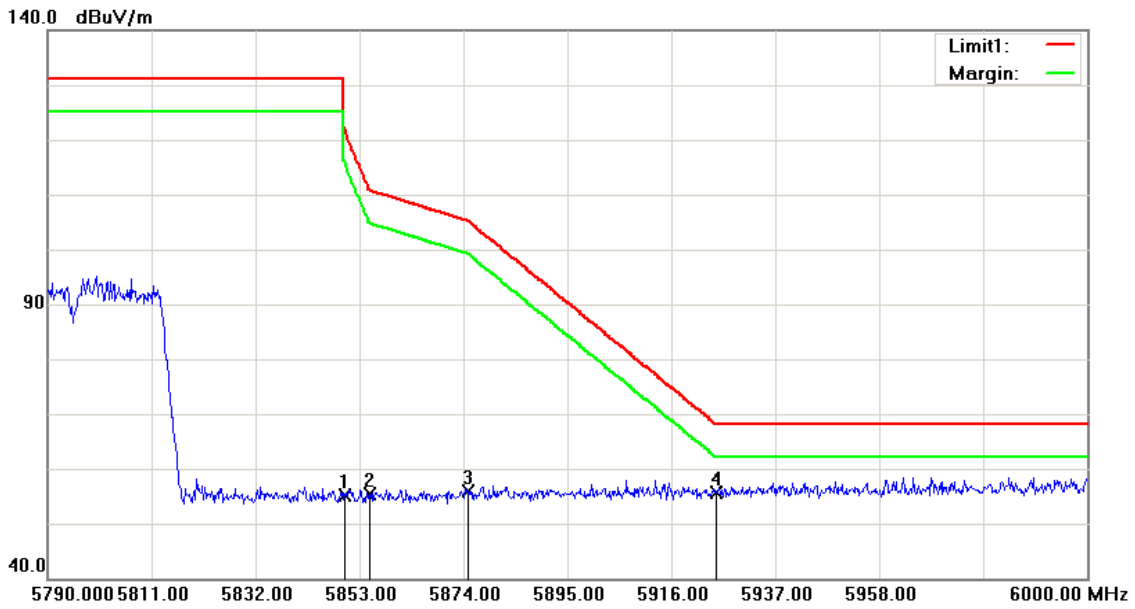
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.13	8.93	55.06	68.20	-13.14	peak
2	5700.000	45.52	9.05	54.57	105.20	-50.63	peak
3	5720.000	47.71	9.09	56.80	110.80	-54.00	peak
4	5725.000	46.04	9.11	55.15	122.20	-67.05	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



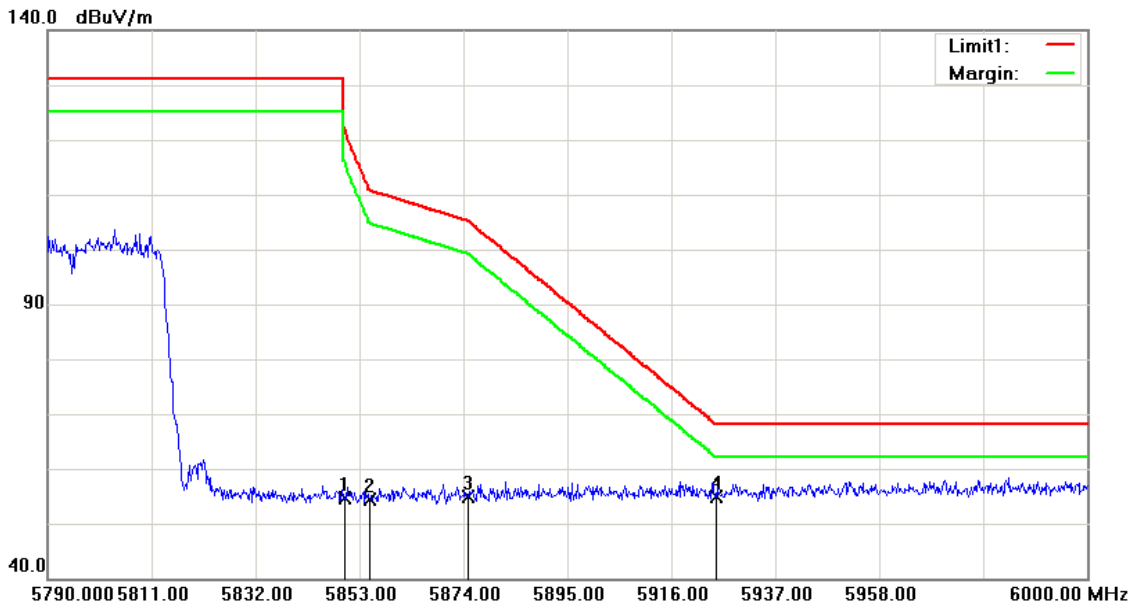
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.67	9.41	55.08	122.20	-67.12	peak
2	5855.000	45.99	9.43	55.42	110.80	-55.38	peak
3	5875.000	46.46	9.48	55.94	105.20	-49.26	peak
4	5925.000	45.91	9.61	55.52	68.20	-12.68	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



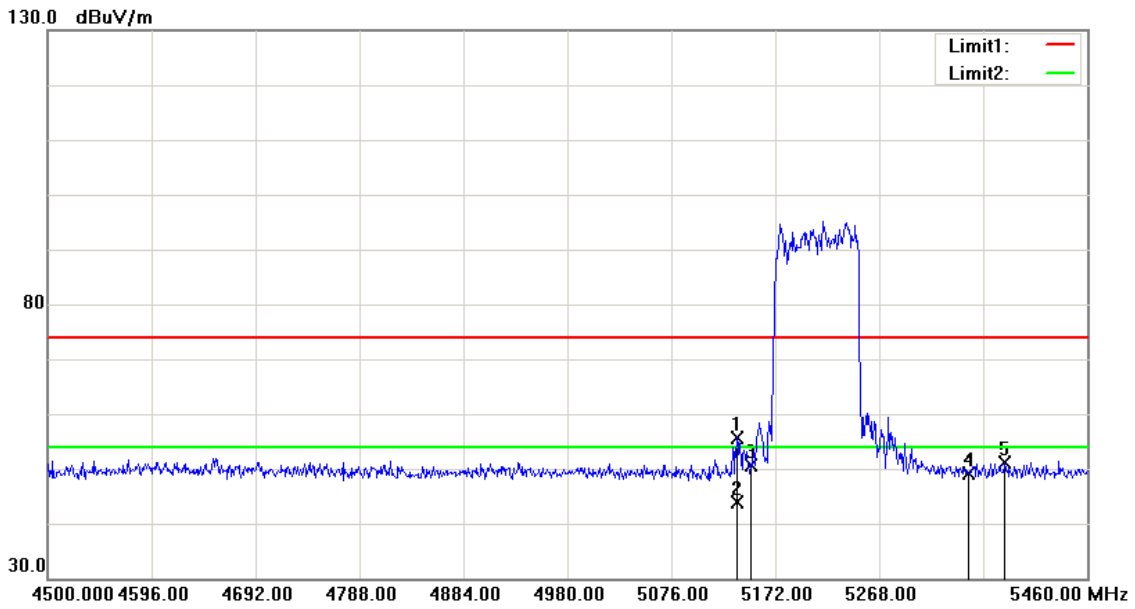
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.26	9.41	54.67	122.20	-67.53	peak
2	5855.000	44.87	9.43	54.30	110.80	-56.50	peak
3	5875.000	45.51	9.48	54.99	105.20	-50.21	peak
4	5925.000	45.20	9.61	54.81	68.20	-13.39	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



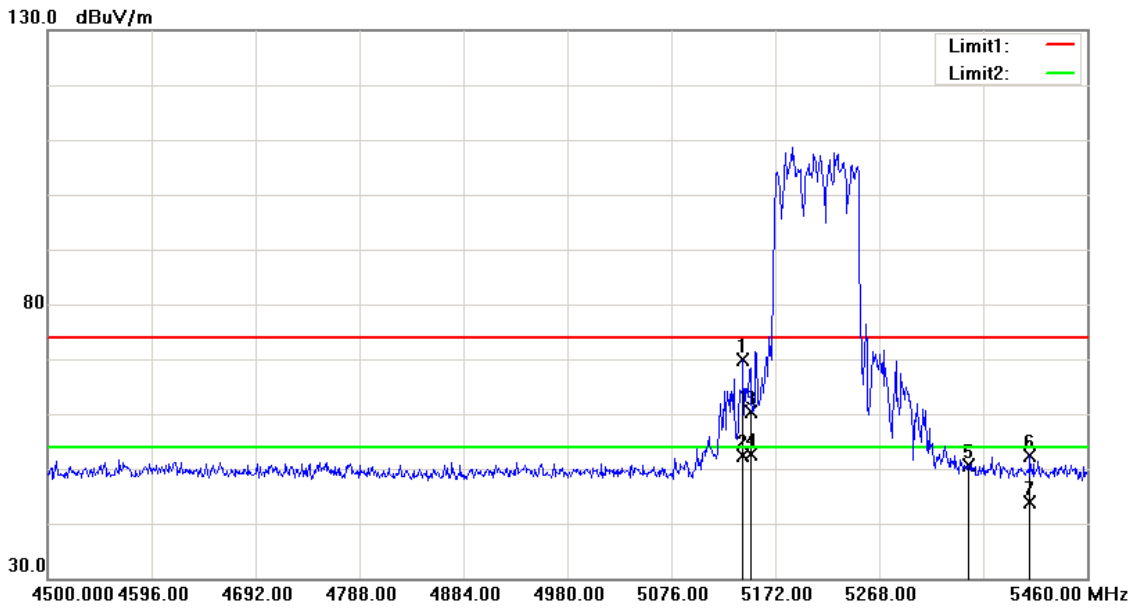
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.480	47.52	8.23	55.75	74.00	-18.25	peak
2	5136.480	35.73	8.23	43.96	54.00	-10.04	AVG
3	5150.000	42.49	8.25	50.74	74.00	-23.26	peak
4	5350.000	40.65	8.41	49.06	74.00	-24.94	peak
5	5384.160	42.75	8.45	51.20	74.00	-22.80	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/01/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



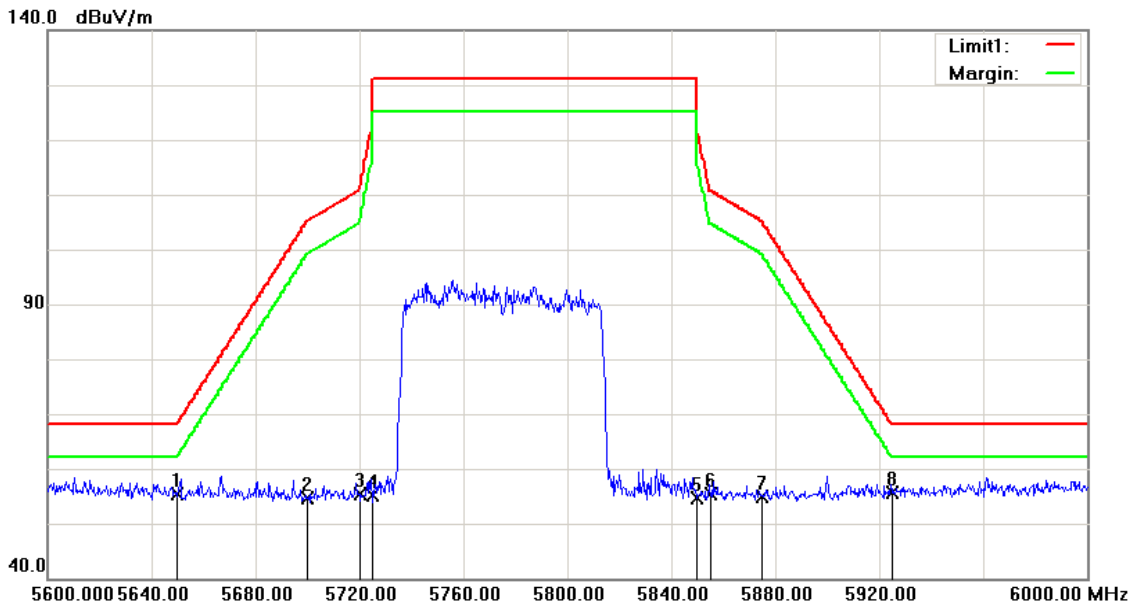
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.240	61.64	8.24	69.88	74.00	-4.12	peak
2	5142.240	44.22	8.24	52.46	54.00	-1.54	AVG
3	5150.000	52.22	8.25	60.47	74.00	-13.53	peak
4	5150.000	44.43	8.25	52.68	54.00	-1.32	AVG
5	5350.000	42.27	8.41	50.68	74.00	-23.32	peak
6	5407.200	43.84	8.47	52.31	74.00	-21.69	peak
7	5407.200	35.44	8.47	43.91	54.00	-10.09	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/02/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:M6060060P23602NB		



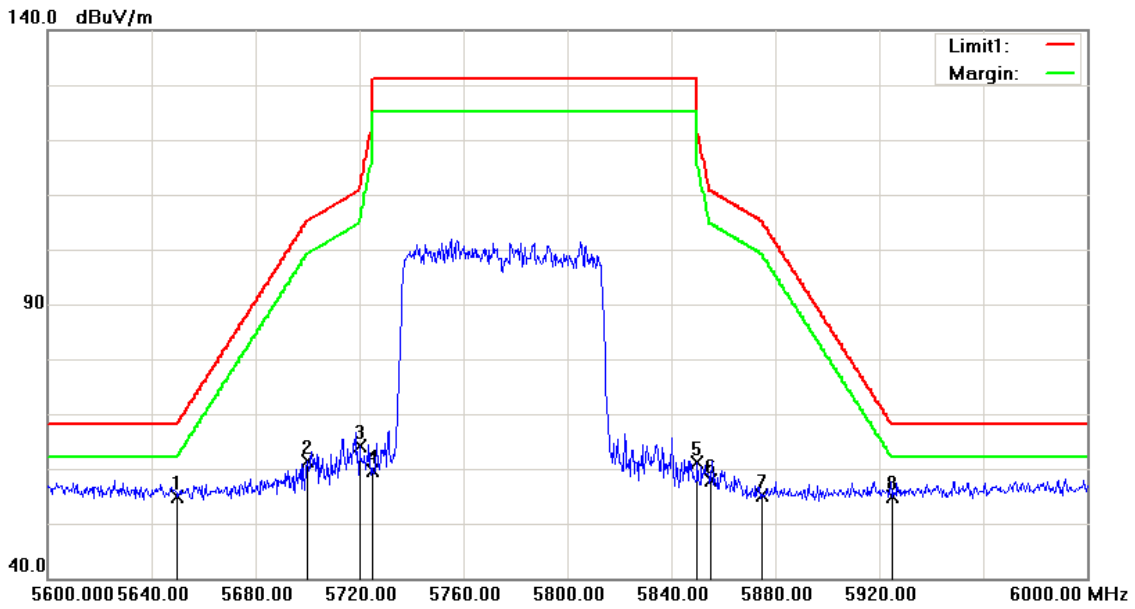
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.46	8.93	55.39	68.20	-12.81	peak
2	5700.000	45.66	9.05	54.71	105.20	-50.49	peak
3	5720.000	46.41	9.09	55.50	110.80	-55.30	peak
4	5725.000	45.99	9.11	55.10	122.20	-67.10	peak
5	5850.000	45.29	9.41	54.70	122.20	-67.50	peak
6	5855.000	45.92	9.43	55.35	110.80	-55.45	peak
7	5875.000	45.49	9.48	54.97	105.20	-50.23	peak
8	5925.000	45.99	9.61	55.60	68.20	-12.60	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/02/2016
Ant.Polar.:	Vertical		
Description:	Antenna:M6060060P23602NB		



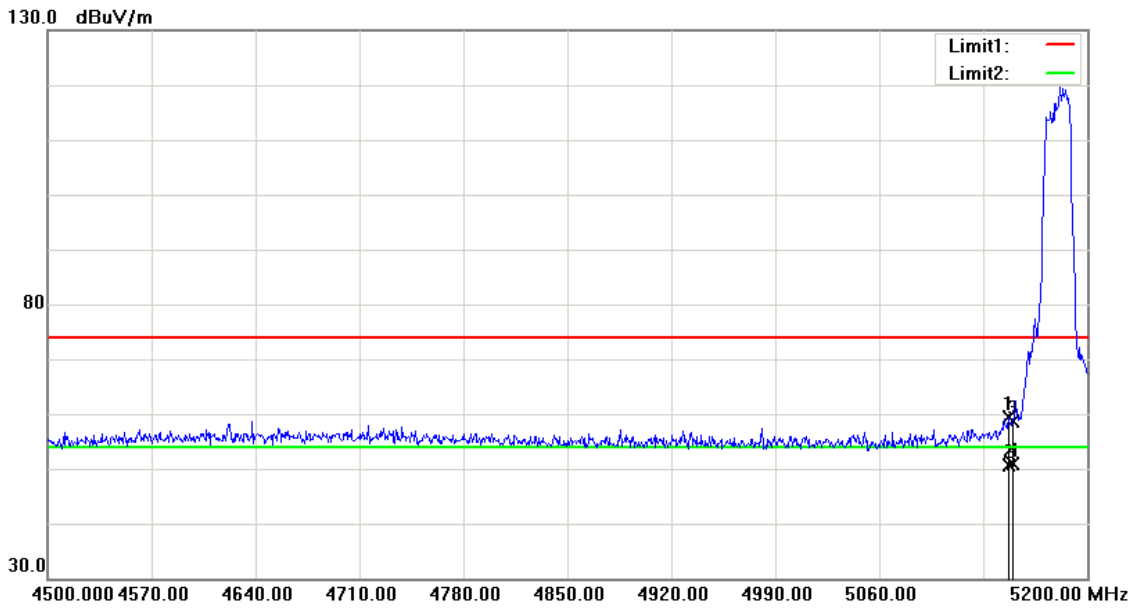
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	45.95	8.93	54.88	68.20	-13.32	peak
2	5700.000	52.23	9.05	61.28	105.20	-43.92	peak
3	5720.000	55.12	9.09	64.21	110.80	-46.59	peak
4	5725.000	50.56	9.11	59.67	122.20	-62.53	peak
5	5850.000	51.81	9.41	61.22	122.20	-60.98	peak
6	5855.000	48.40	9.43	57.83	110.80	-52.97	peak
7	5875.000	45.53	9.48	55.01	105.20	-50.19	peak
8	5925.000	45.28	9.61	54.89	68.20	-13.31	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



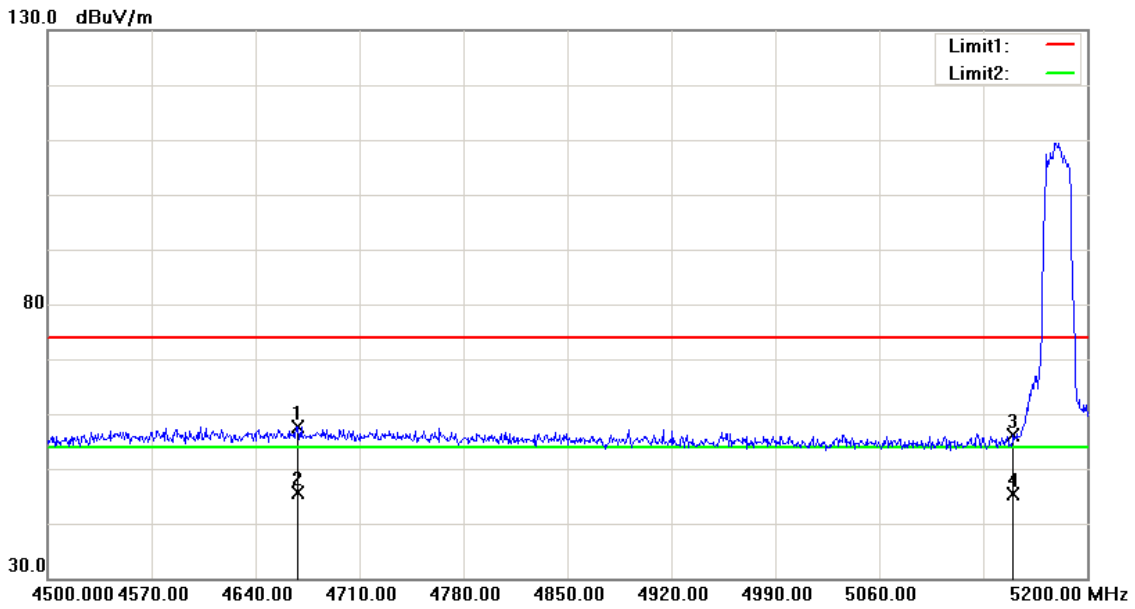
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.800	51.10	8.24	59.34	74.00	-14.66	peak
2	5146.800	42.40	8.24	50.64	54.00	-3.36	AVG
3	5150.000	50.28	8.25	58.53	74.00	-15.47	peak
4	5150.000	42.54	8.25	50.79	54.00	-3.21	AVG

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



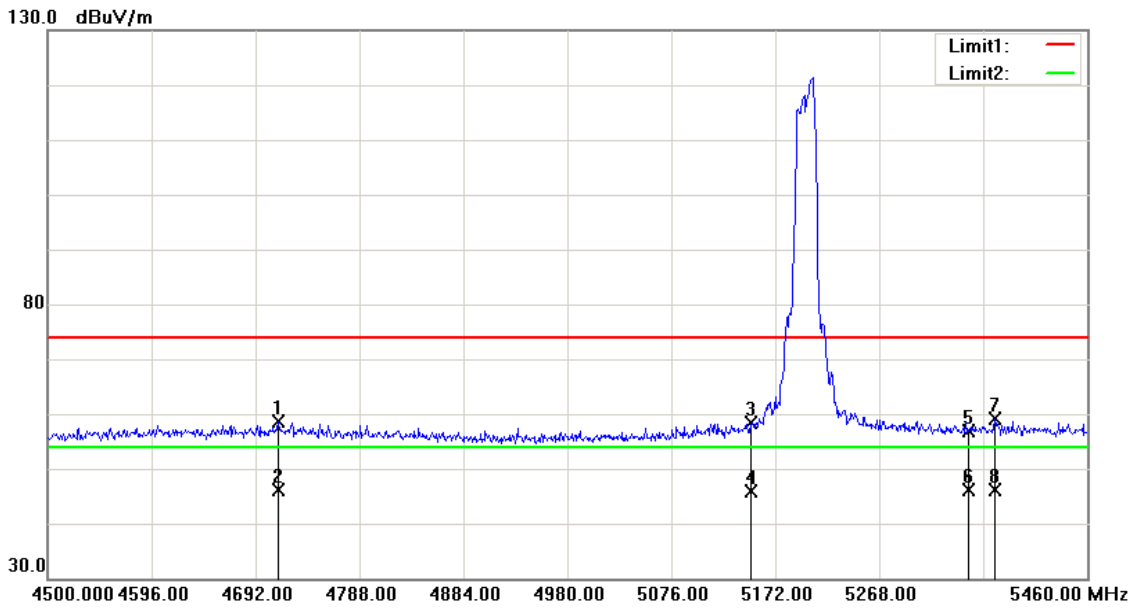
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4668.700	50.63	6.95	57.58	74.00	-16.42	peak
2	4668.700	38.76	6.95	45.71	54.00	-8.29	AVG
3	5150.000	47.94	8.25	56.19	74.00	-17.81	peak
4	5150.000	37.03	8.25	45.28	54.00	-8.72	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



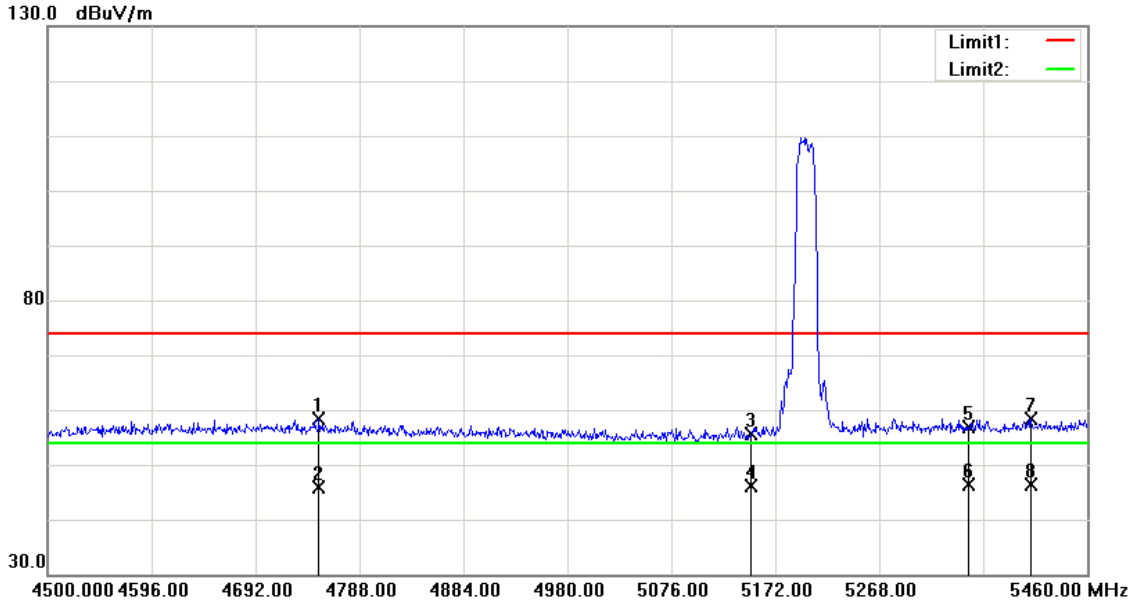
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4713.120	51.46	7.11	58.57	74.00	-15.43	peak
2	4713.120	38.98	7.11	46.09	54.00	-7.91	AVG
3	5150.000	50.25	8.25	58.50	74.00	-15.50	peak
4	5150.000	37.54	8.25	45.79	54.00	-8.21	AVG
5	5350.000	48.50	8.41	56.91	74.00	-17.09	peak
6	5350.000	37.63	8.41	46.04	54.00	-7.96	AVG
7	5374.560	50.68	8.43	59.11	74.00	-14.89	peak
8	5374.560	37.70	8.43	46.13	54.00	-7.87	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



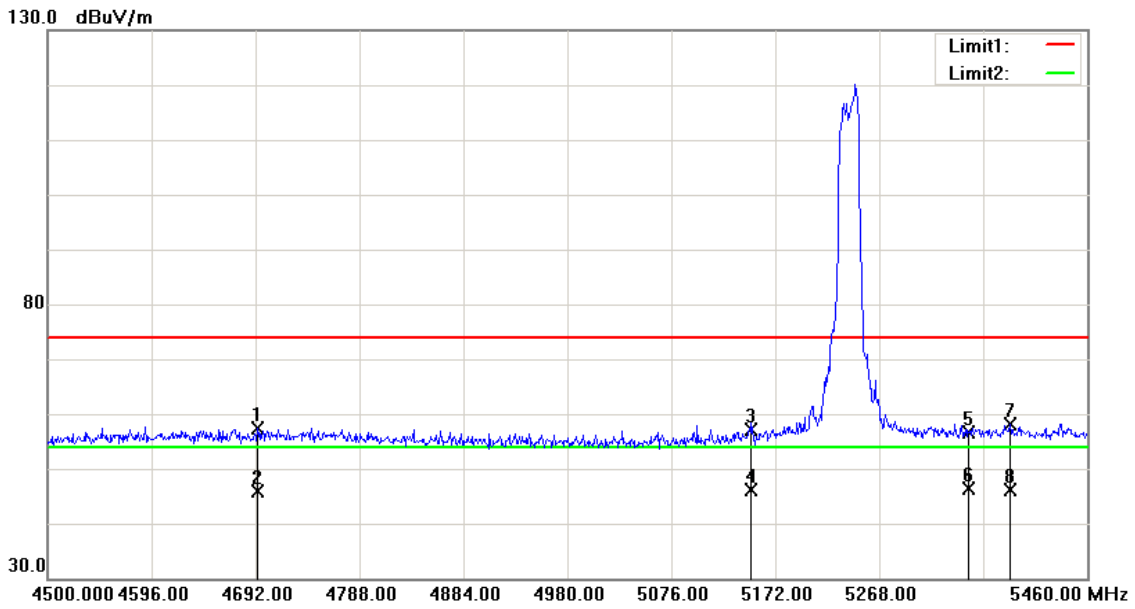
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4750.560	51.03	7.24	58.27	74.00	-15.73	peak
2	4750.560	38.59	7.24	45.83	54.00	-8.17	AVG
3	5150.000	47.43	8.25	55.68	74.00	-18.32	peak
4	5150.000	37.77	8.25	46.02	54.00	-7.98	AVG
5	5350.000	48.45	8.41	56.86	74.00	-17.14	peak
6	5350.000	38.03	8.41	46.44	54.00	-7.56	AVG
7	5408.160	49.87	8.47	58.34	74.00	-15.66	peak
8	5408.160	37.89	8.47	46.36	54.00	-7.64	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



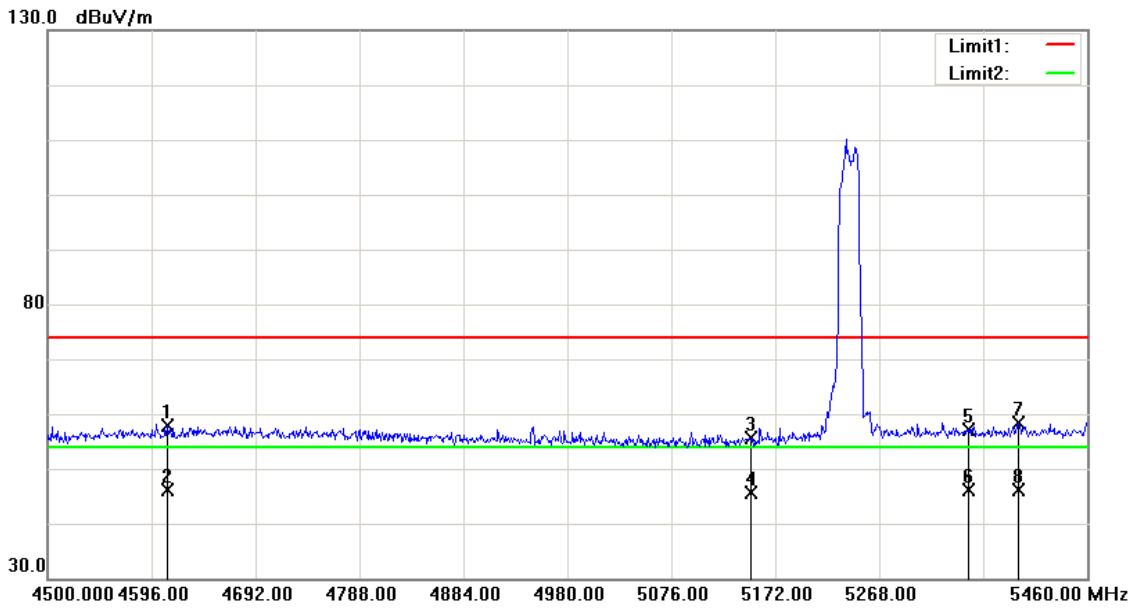
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4693.920	50.33	7.05	57.38	74.00	-16.62	peak
2	4693.920	38.77	7.05	45.82	54.00	-8.18	AVG
3	5150.000	48.80	8.25	57.05	74.00	-16.95	peak
4	5150.000	37.82	8.25	46.07	54.00	-7.93	AVG
5	5350.000	48.23	8.41	56.64	74.00	-17.36	peak
6	5350.000	37.87	8.41	46.28	54.00	-7.72	AVG
7	5388.960	49.71	8.46	58.17	74.00	-15.83	peak
8	5388.960	37.70	8.46	46.16	54.00	-7.84	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



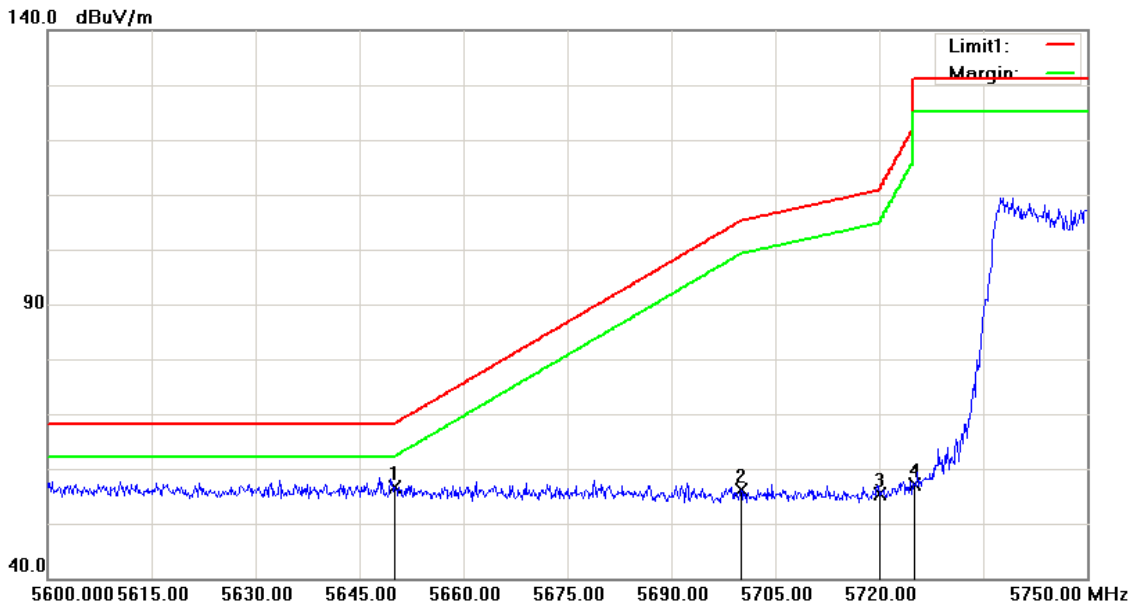
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4610.400	51.11	6.74	57.85	74.00	-16.15	peak
2	4610.400	39.32	6.74	46.06	54.00	-7.94	AVG
3	5150.000	47.48	8.25	55.73	74.00	-18.27	peak
4	5150.000	37.34	8.25	45.59	54.00	-8.41	AVG
5	5350.000	48.62	8.41	57.03	74.00	-16.97	peak
6	5350.000	37.80	8.41	46.21	54.00	-7.79	AVG
7	5396.640	49.93	8.46	58.39	74.00	-15.61	peak
8	5396.640	37.69	8.46	46.15	54.00	-7.85	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



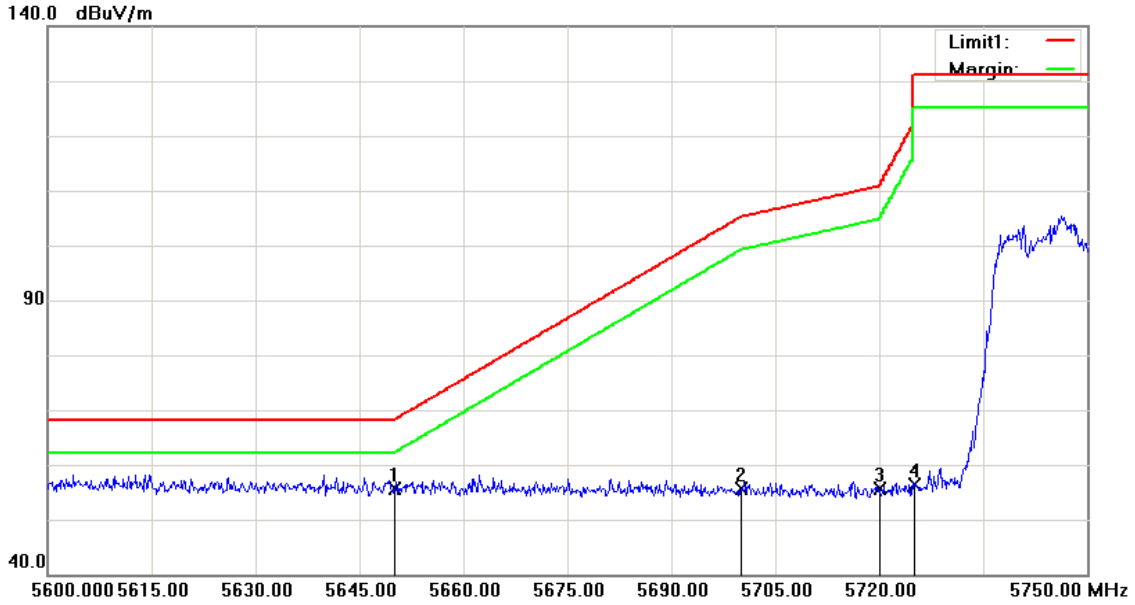
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.82	8.93	56.75	68.20	-11.45	peak
2	5700.000	47.00	9.05	56.05	105.20	-49.15	peak
3	5720.000	46.39	9.09	55.48	110.80	-55.32	peak
4	5725.000	48.09	9.11	57.20	122.20	-65.00	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



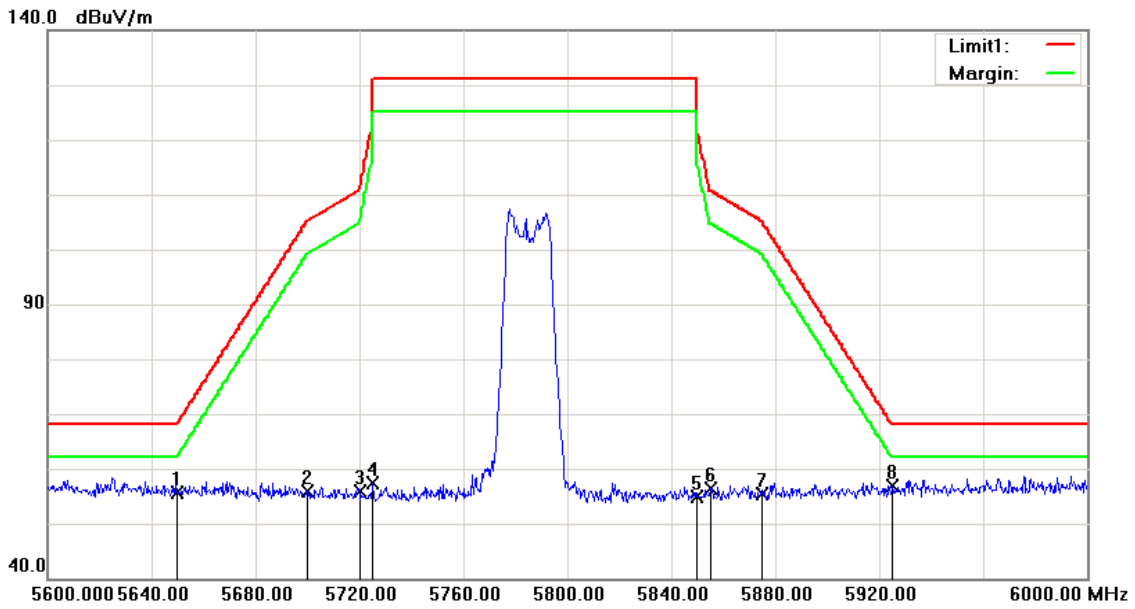
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.71	8.93	55.64	68.20	-12.56	peak
2	5700.000	46.58	9.05	55.63	105.20	-49.57	peak
3	5720.000	46.53	9.09	55.62	110.80	-55.18	peak
4	5725.000	47.27	9.11	56.38	122.20	-65.82	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



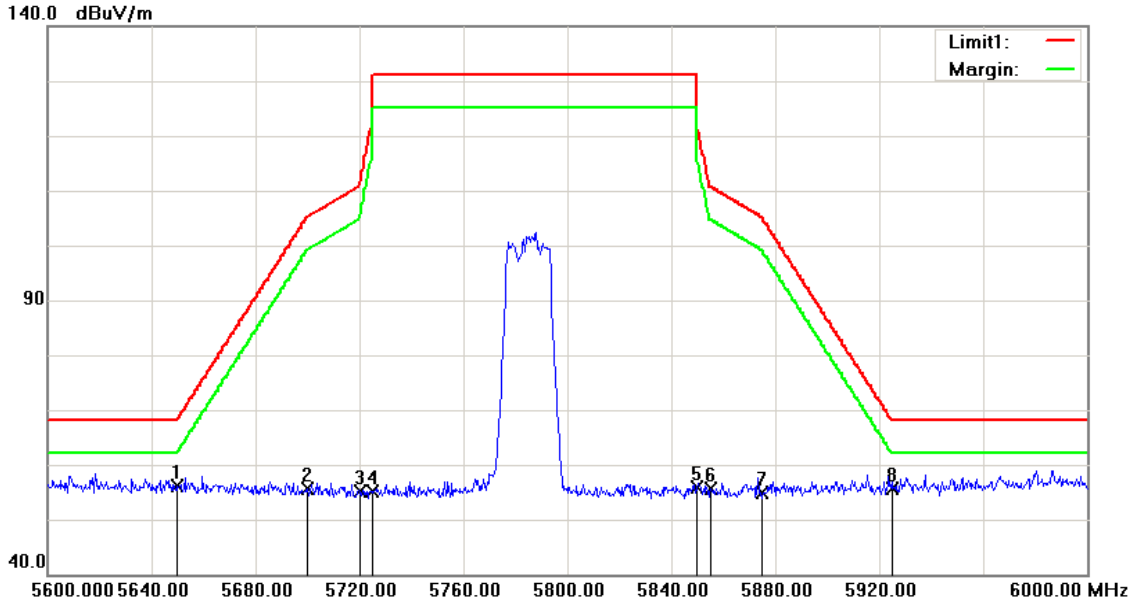
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.78	8.93	55.71	68.20	-12.49	peak
2	5700.000	46.71	9.05	55.76	105.20	-49.44	peak
3	5720.000	46.74	9.09	55.83	110.80	-54.97	peak
4	5725.000	48.20	9.11	57.31	122.20	-64.89	peak
5	5850.000	45.49	9.41	54.90	122.20	-67.30	peak
6	5855.000	46.92	9.43	56.35	110.80	-54.45	peak
7	5875.000	45.93	9.48	55.41	105.20	-49.79	peak
8	5925.000	47.38	9.61	56.99	68.20	-11.21	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



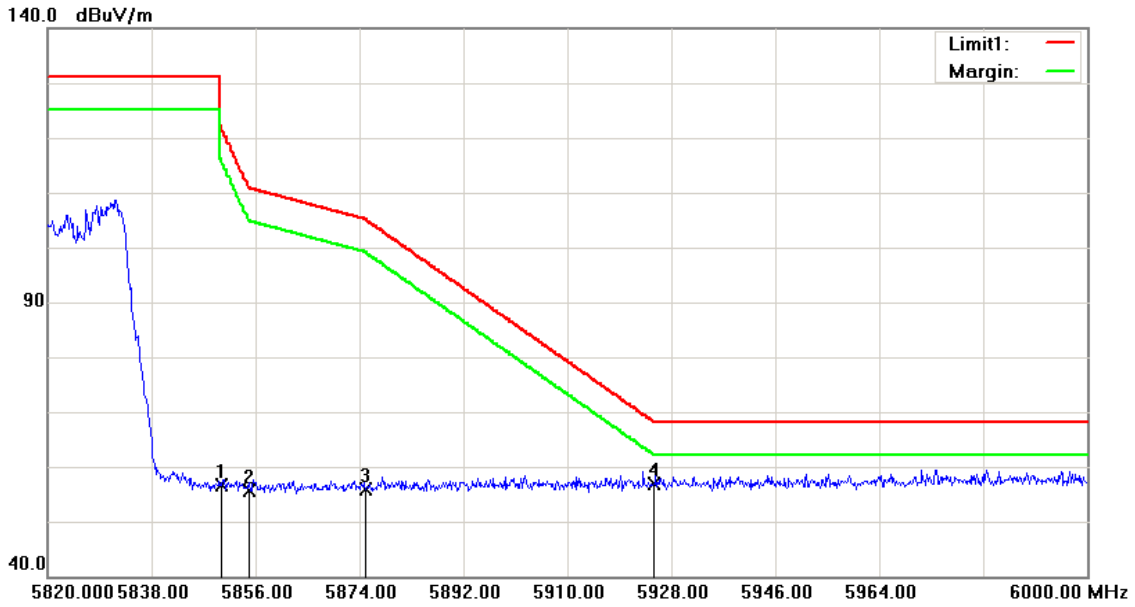
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.08	8.93	56.01	68.20	-12.19	peak
2	5700.000	46.62	9.05	55.67	105.20	-49.53	peak
3	5720.000	46.07	9.09	55.16	110.80	-55.64	peak
4	5725.000	46.08	9.11	55.19	122.20	-67.01	peak
5	5850.000	46.36	9.41	55.77	122.20	-66.43	peak
6	5855.000	46.27	9.43	55.70	110.80	-55.10	peak
7	5875.000	45.45	9.48	54.93	105.20	-50.27	peak
8	5925.000	45.96	9.61	55.57	68.20	-12.63	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



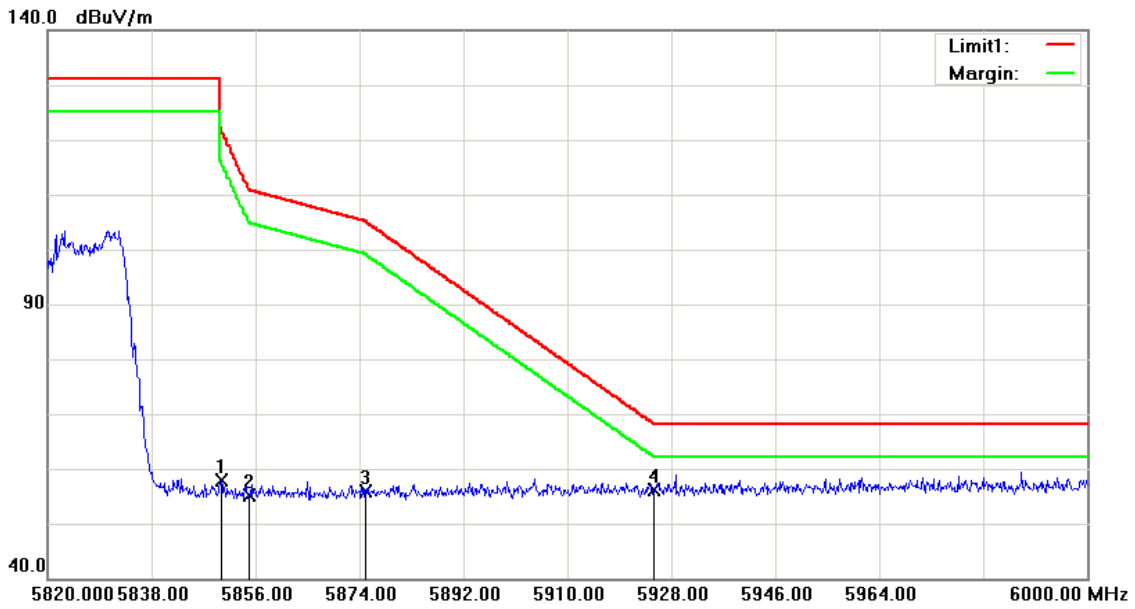
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	47.18	9.41	56.59	122.20	-65.61	peak
2	5855.000	46.26	9.43	55.69	110.80	-55.11	peak
3	5875.000	46.32	9.48	55.80	105.20	-49.40	peak
4	5925.000	47.15	9.61	56.76	68.20	-11.44	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



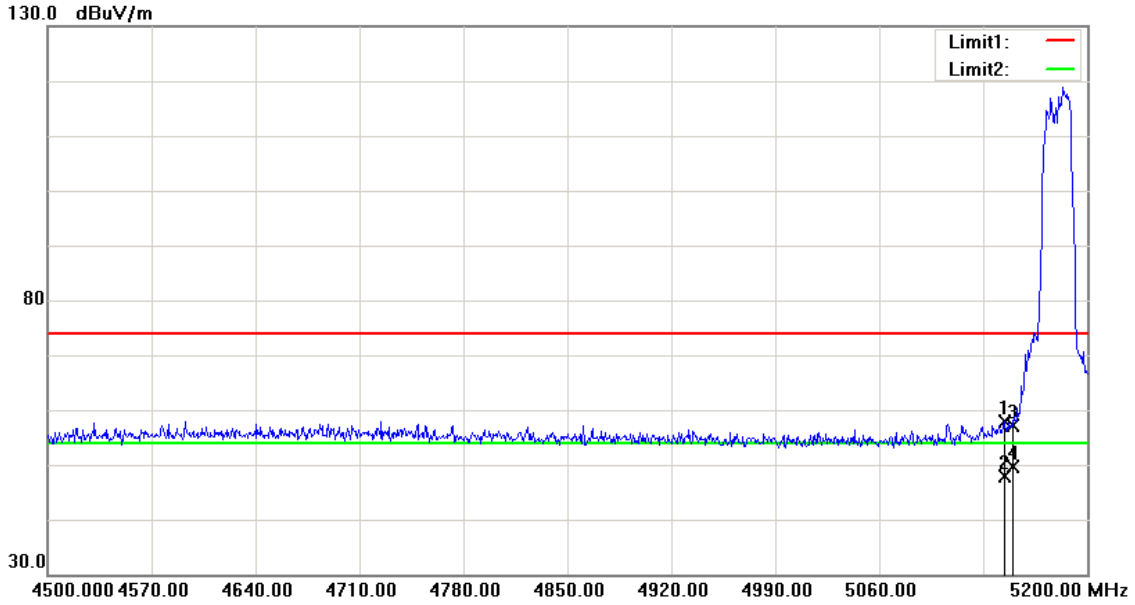
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	48.46	9.41	57.87	122.20	-64.33	peak
2	5855.000	45.69	9.43	55.12	110.80	-55.68	peak
3	5875.000	46.40	9.48	55.88	105.20	-49.32	peak
4	5925.000	46.63	9.61	56.24	68.20	-11.96	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



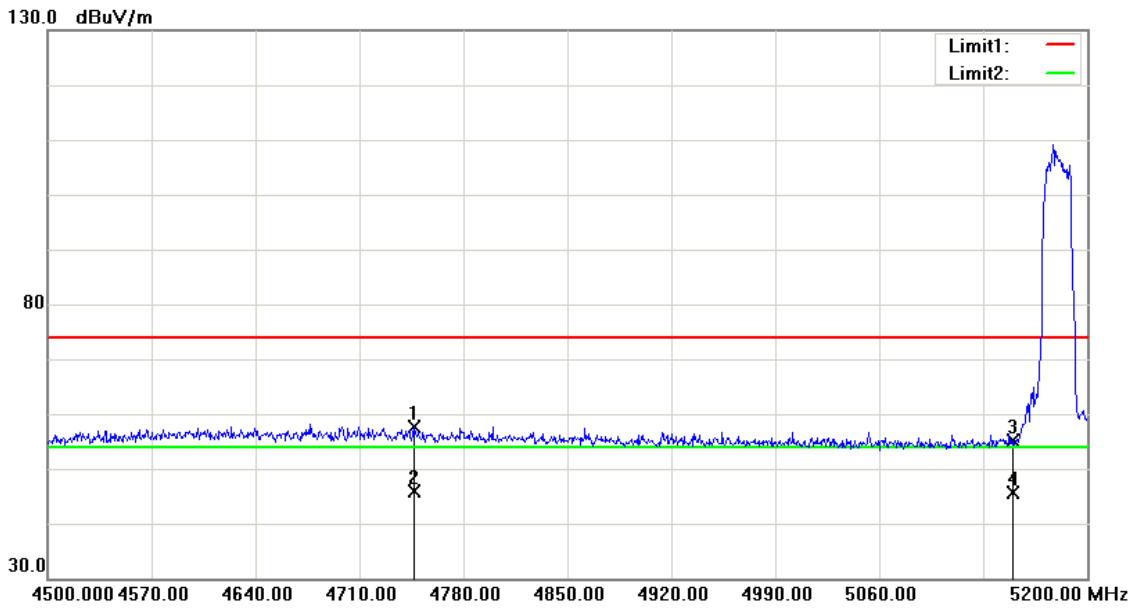
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.000	49.62	8.24	57.86	74.00	-16.14	peak
2	5144.000	39.54	8.24	47.78	54.00	-6.22	AVG
3	5150.000	48.90	8.25	57.15	74.00	-16.85	peak
4	5150.000	41.34	8.25	49.59	54.00	-4.41	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



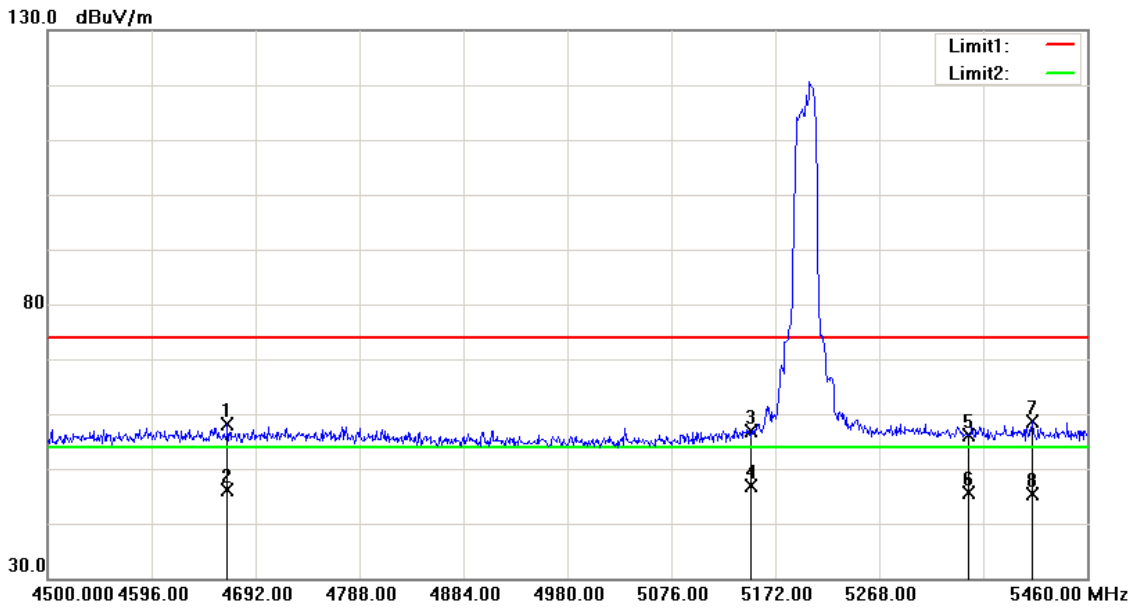
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4746.400	50.34	7.23	57.57	74.00	-16.43	peak
2	4746.400	38.54	7.23	45.77	54.00	-8.23	AVG
3	5150.000	46.85	8.25	55.10	74.00	-18.90	peak
4	5150.000	37.27	8.25	45.52	54.00	-8.48	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



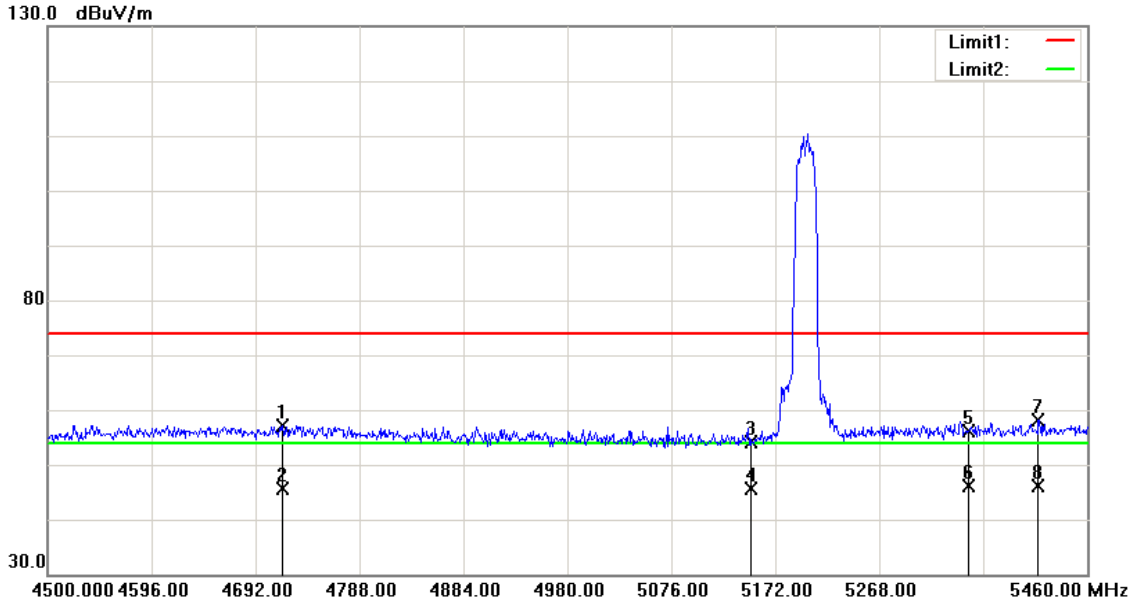
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4666.080	51.10	6.95	58.05	74.00	-15.95	peak
2	4666.080	39.30	6.95	46.25	54.00	-7.75	AVG
3	5150.000	48.62	8.25	56.87	74.00	-17.13	peak
4	5150.000	38.51	8.25	46.76	54.00	-7.24	AVG
5	5350.000	47.69	8.41	56.10	74.00	-17.90	peak
6	5350.000	37.16	8.41	45.57	54.00	-8.43	AVG
7	5409.120	50.14	8.47	58.61	74.00	-15.39	peak
8	5409.120	36.96	8.47	45.43	54.00	-8.57	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



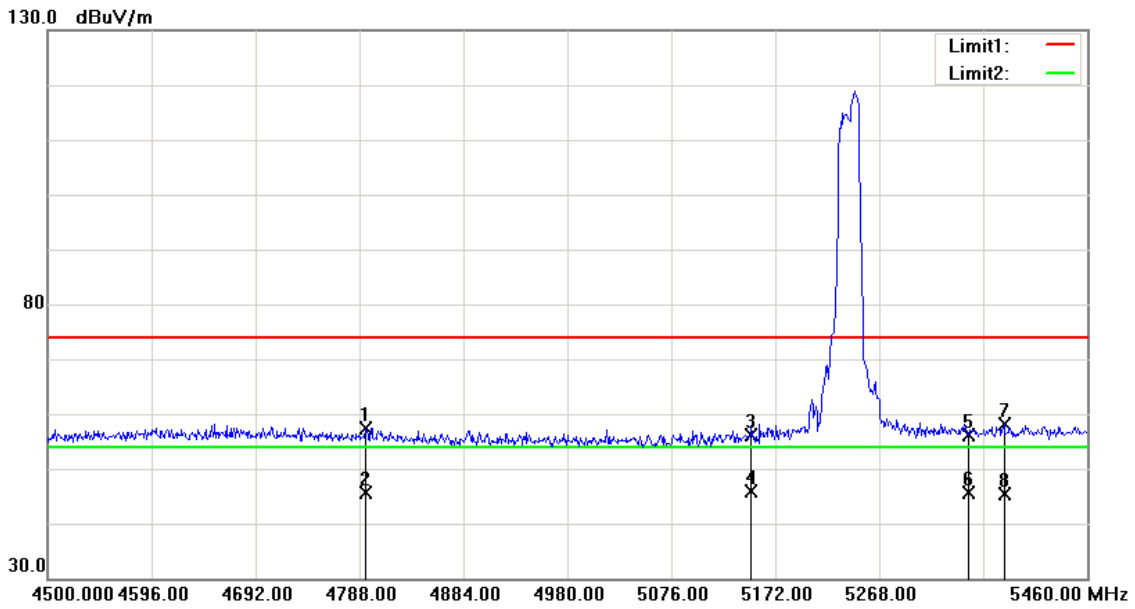
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4716.960	49.97	7.12	57.09	74.00	-16.91	peak
2	4716.960	38.58	7.12	45.70	54.00	-8.30	AVG
3	5150.000	45.80	8.25	54.05	74.00	-19.95	peak
4	5150.000	37.28	8.25	45.53	54.00	-8.47	AVG
5	5350.000	47.77	8.41	56.18	74.00	-17.82	peak
6	5350.000	37.81	8.41	46.22	54.00	-7.78	AVG
7	5414.880	49.67	8.48	58.15	74.00	-15.85	peak
8	5414.880	37.69	8.48	46.17	54.00	-7.83	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



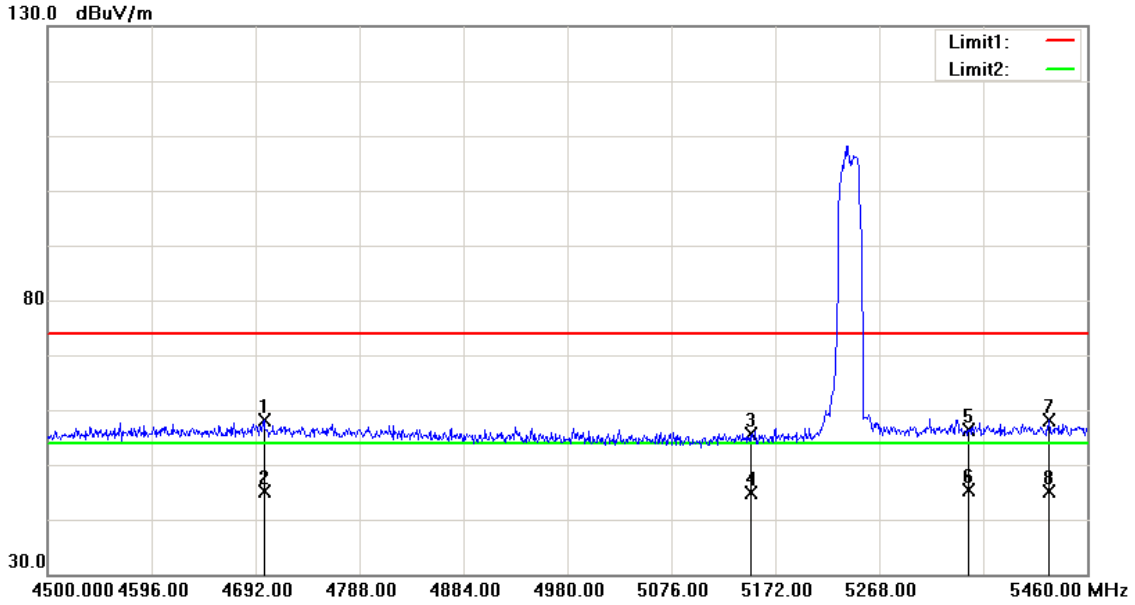
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4793.760	50.02	7.39	57.41	74.00	-16.59	peak
2	4793.760	38.27	7.39	45.66	54.00	-8.34	AVG
3	5150.000	47.93	8.25	56.18	74.00	-17.82	peak
4	5150.000	37.72	8.25	45.97	54.00	-8.03	AVG
5	5350.000	47.62	8.41	56.03	74.00	-17.97	peak
6	5350.000	37.24	8.41	45.65	54.00	-8.35	AVG
7	5383.200	49.75	8.45	58.20	74.00	-15.80	peak
8	5383.200	36.98	8.45	45.43	54.00	-8.57	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



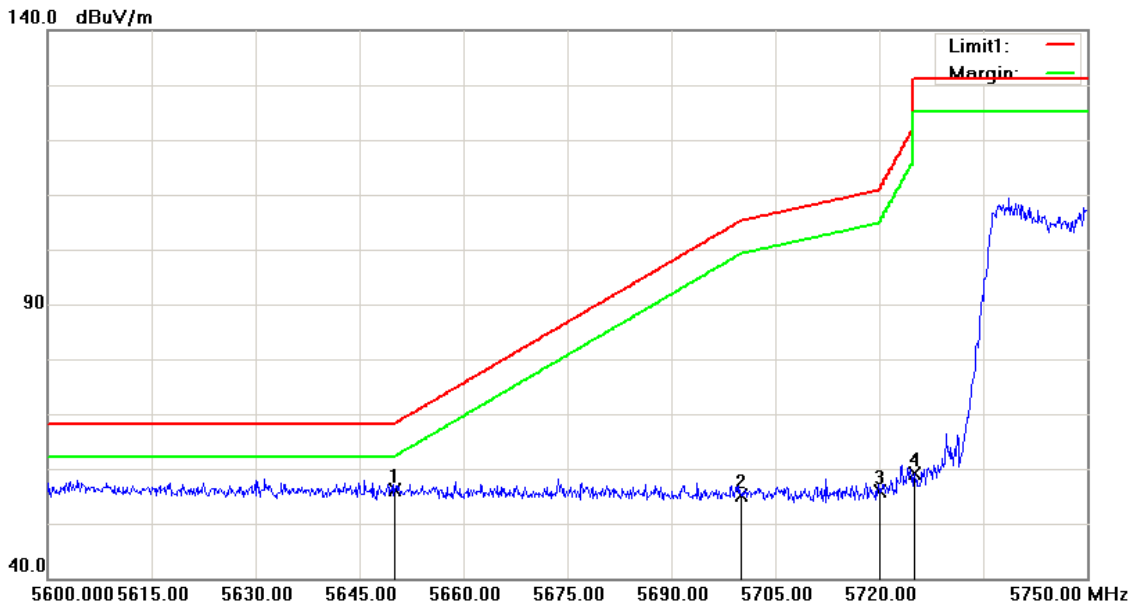
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4699.680	50.97	7.06	58.03	74.00	-15.97	peak
2	4699.680	38.03	7.06	45.09	54.00	-8.91	AVG
3	5150.000	47.39	8.25	55.64	74.00	-18.36	peak
4	5150.000	36.67	8.25	44.92	54.00	-9.08	AVG
5	5350.000	48.03	8.41	56.44	74.00	-17.56	peak
6	5350.000	36.92	8.41	45.33	54.00	-8.67	AVG
7	5424.480	49.54	8.49	58.03	74.00	-15.97	peak
8	5424.480	36.76	8.49	45.25	54.00	-8.75	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



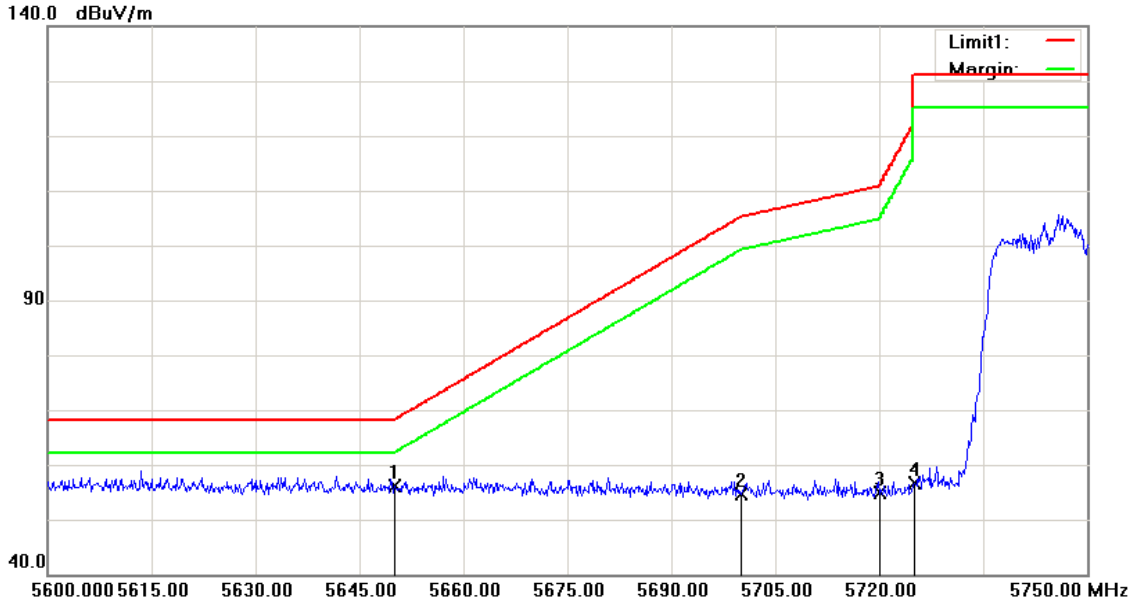
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.21	8.93	56.14	68.20	-12.06	peak
2	5700.000	45.96	9.05	55.01	105.20	-50.19	peak
3	5720.000	46.67	9.09	55.76	110.80	-55.04	peak
4	5725.000	49.99	9.11	59.10	122.20	-63.10	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



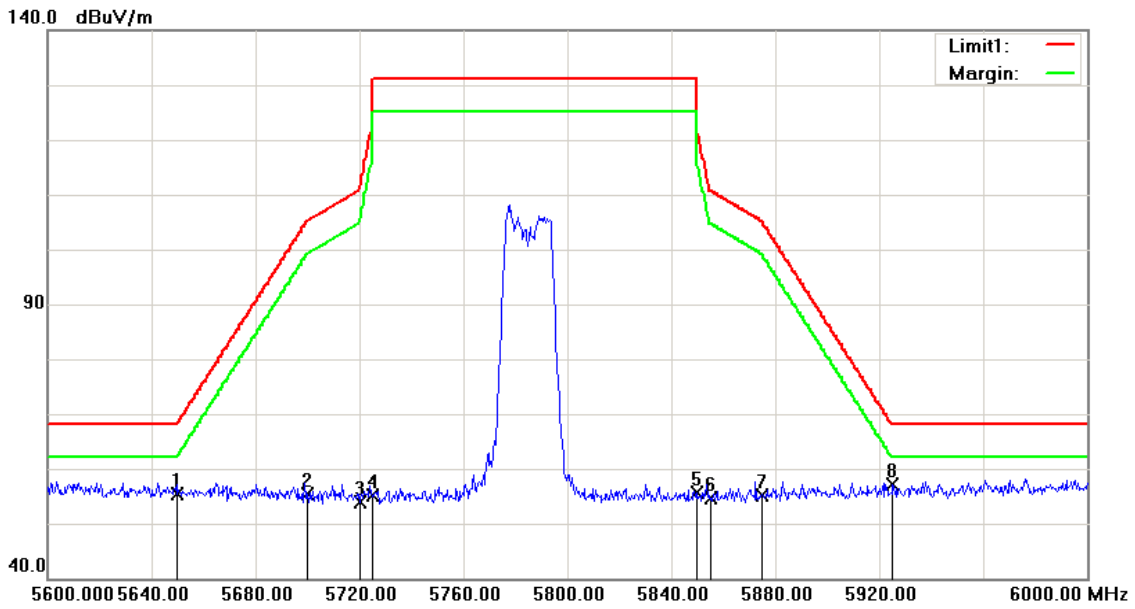
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.20	8.93	56.13	68.20	-12.07	peak
2	5700.000	45.50	9.05	54.55	105.20	-50.65	peak
3	5720.000	45.71	9.09	54.80	110.80	-56.00	peak
4	5725.000	47.40	9.11	56.51	122.20	-65.69	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



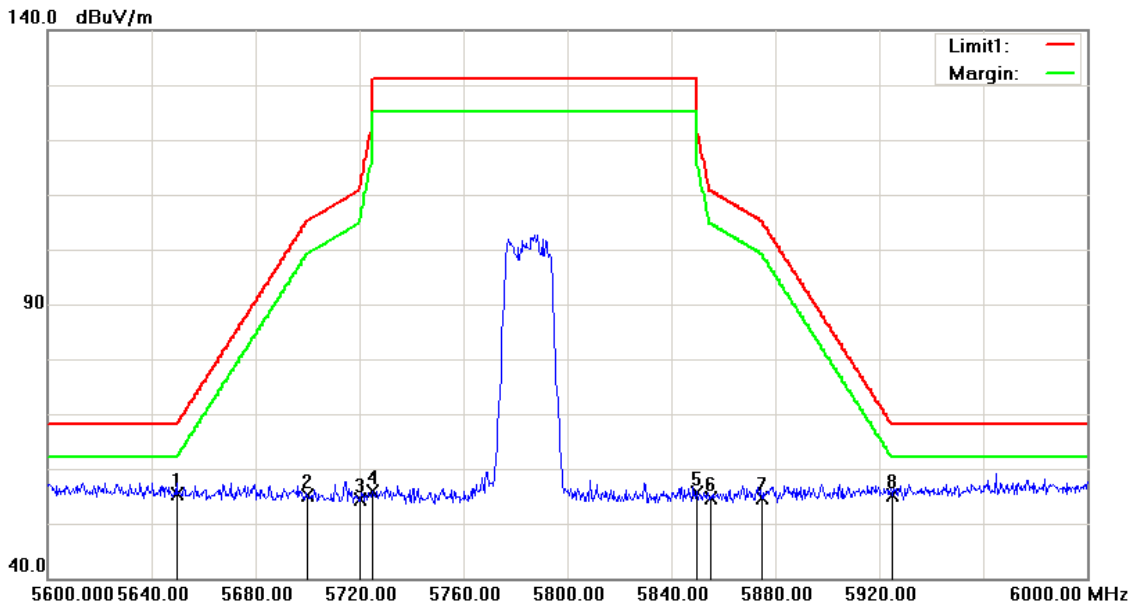
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.39	8.93	55.32	68.20	-12.88	peak
2	5700.000	46.30	9.05	55.35	105.20	-49.85	peak
3	5720.000	44.88	9.09	53.97	110.80	-56.83	peak
4	5725.000	46.10	9.11	55.21	122.20	-66.99	peak
5	5850.000	46.25	9.41	55.66	122.20	-66.54	peak
6	5855.000	45.09	9.43	54.52	110.80	-56.28	peak
7	5875.000	45.76	9.48	55.24	105.20	-49.96	peak
8	5925.000	47.45	9.61	57.06	68.20	-11.14	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



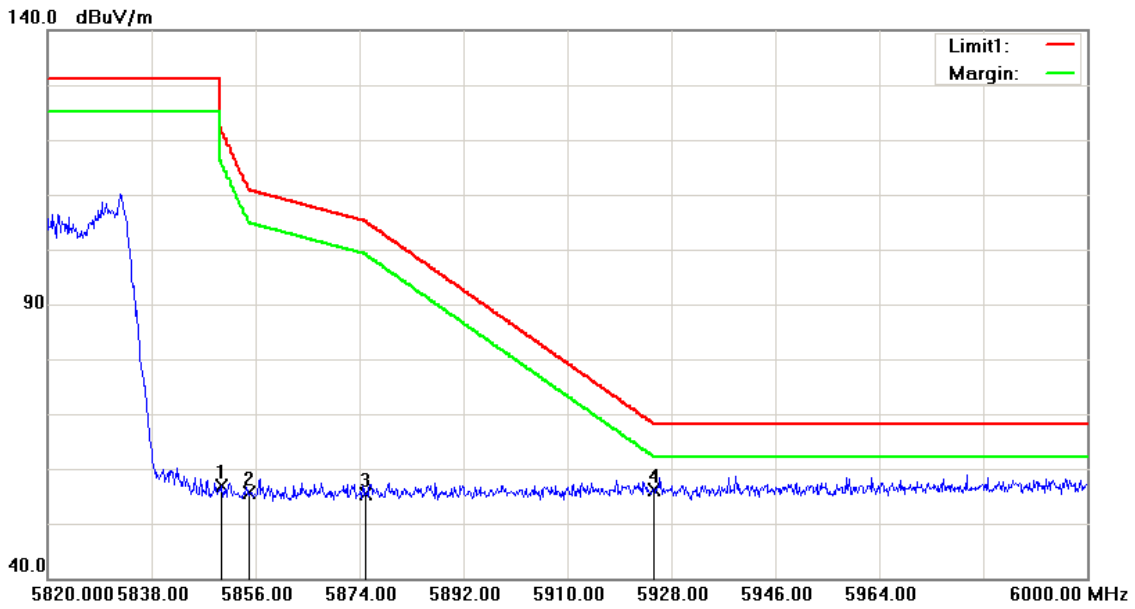
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.42	8.93	55.35	68.20	-12.85	peak
2	5700.000	46.18	9.05	55.23	105.20	-49.97	peak
3	5720.000	45.28	9.09	54.37	110.80	-56.43	peak
4	5725.000	46.79	9.11	55.90	122.20	-66.30	peak
5	5850.000	46.13	9.41	55.54	122.20	-66.66	peak
6	5855.000	45.21	9.43	54.64	110.80	-56.16	peak
7	5875.000	45.15	9.48	54.63	105.20	-50.57	peak
8	5925.000	45.45	9.61	55.06	68.20	-13.14	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



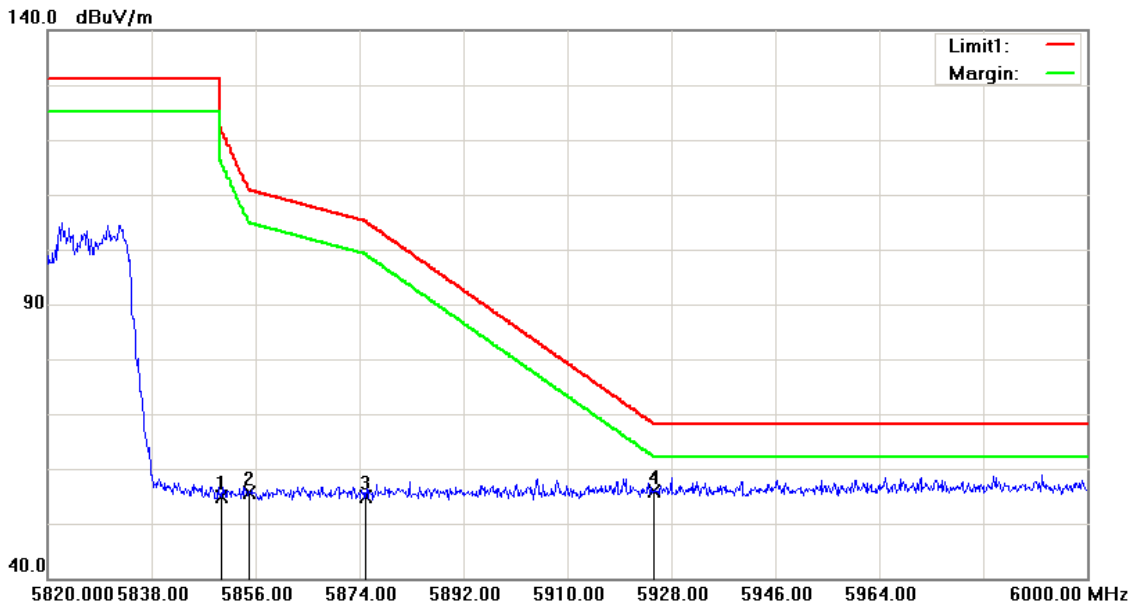
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	47.39	9.41	56.80	122.20	-65.40	peak
2	5855.000	46.09	9.43	55.52	110.80	-55.28	peak
3	5875.000	45.98	9.48	55.46	105.20	-49.74	peak
4	5925.000	46.52	9.61	56.13	68.20	-12.07	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



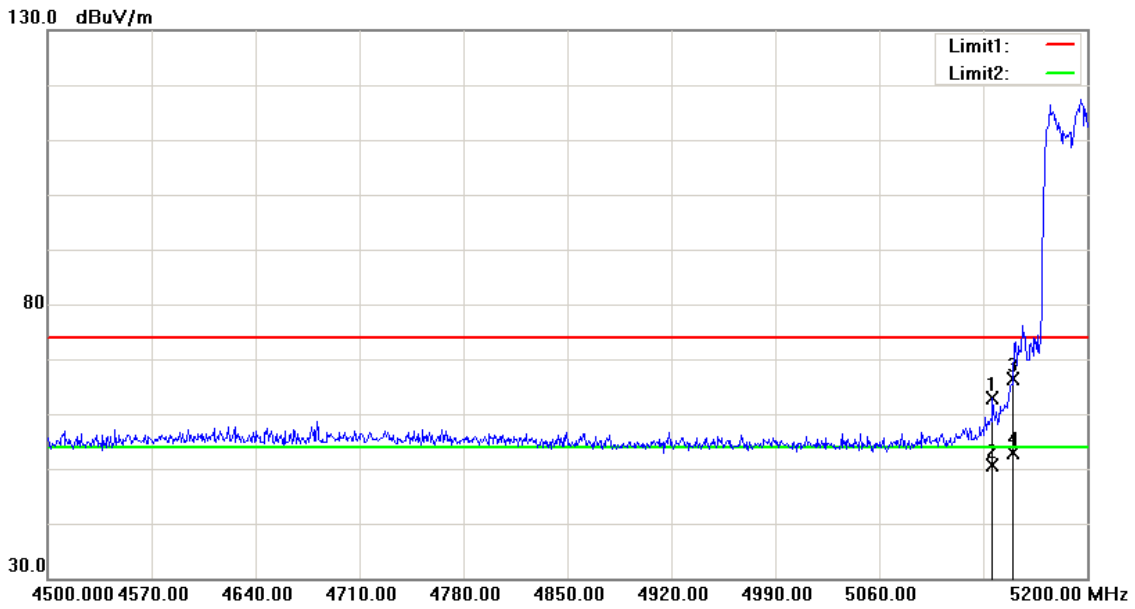
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.56	9.41	54.97	122.20	-67.23	peak
2	5855.000	46.28	9.43	55.71	110.80	-55.09	peak
3	5875.000	45.31	9.48	54.79	105.20	-50.41	peak
4	5925.000	46.33	9.61	55.94	68.20	-12.26	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



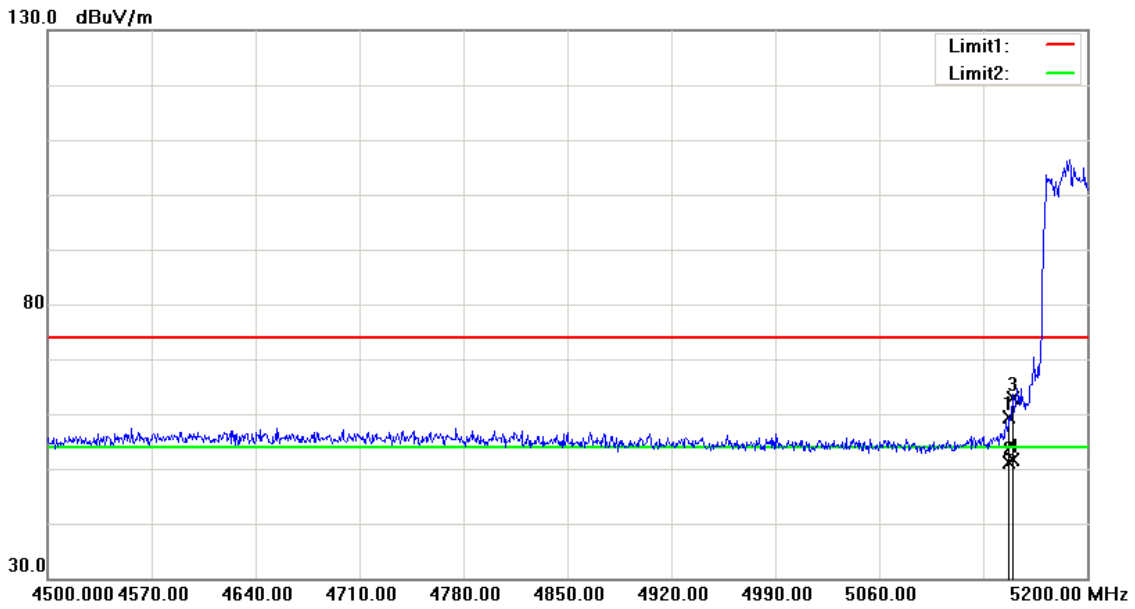
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.300	54.60	8.23	62.83	74.00	-11.17	peak
2	5136.300	42.50	8.23	50.73	54.00	-3.27	AVG
3	5150.000	58.02	8.25	66.27	74.00	-7.73	peak
4	5150.000	44.62	8.25	52.87	54.00	-1.13	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



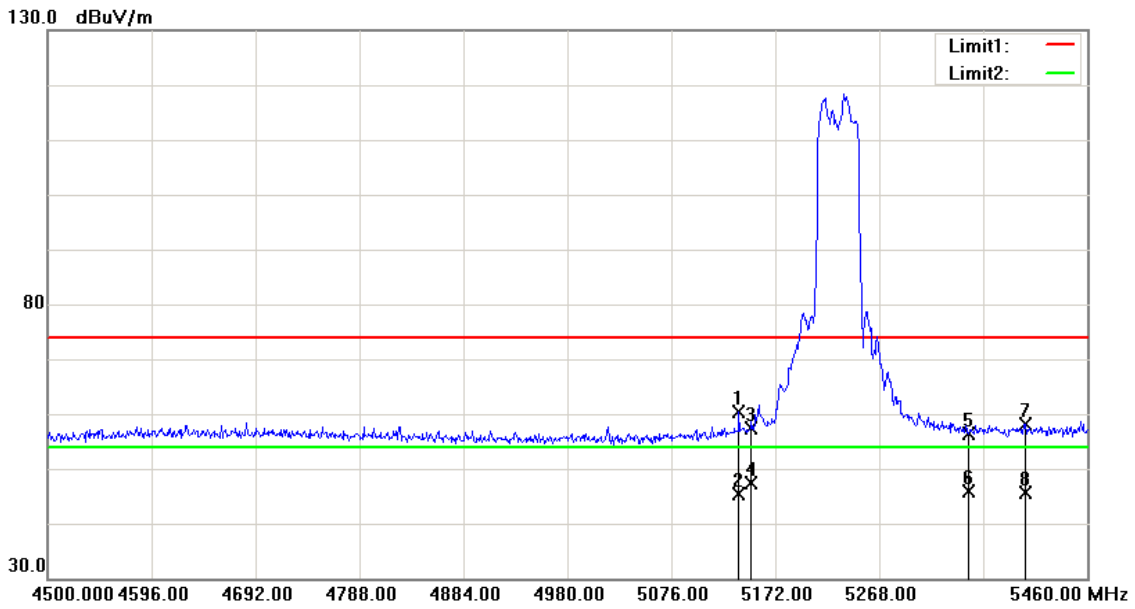
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.500	51.25	8.24	59.49	74.00	-14.51	peak
2	5147.500	42.81	8.24	51.05	54.00	-2.95	AVG
3	5150.000	54.64	8.25	62.89	74.00	-11.11	peak
4	5150.000	43.32	8.25	51.57	54.00	-2.43	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



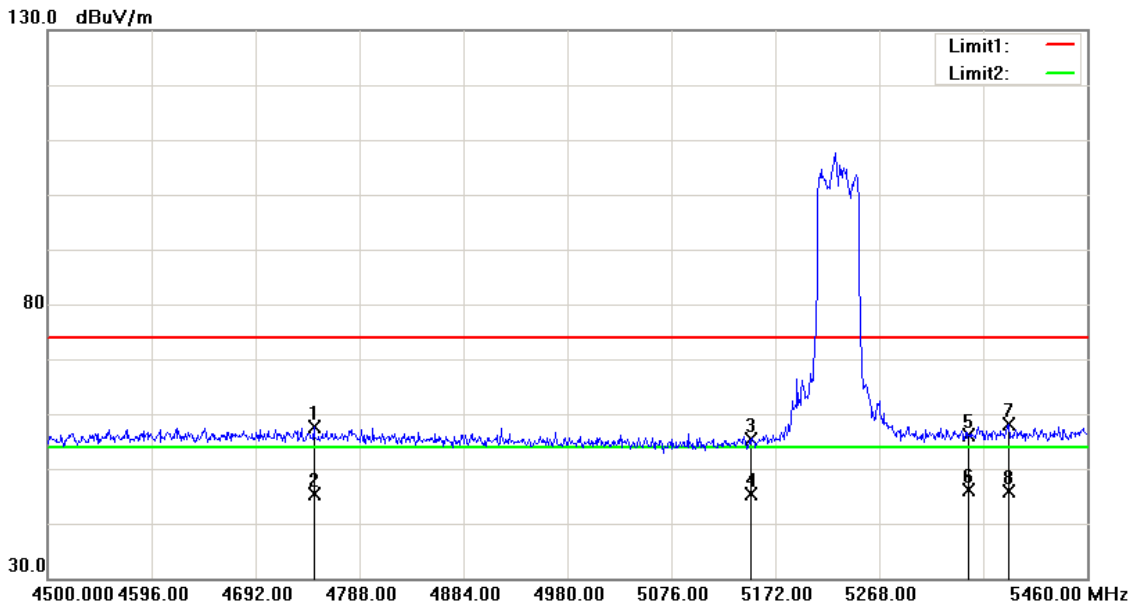
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.400	52.11	8.24	60.35	74.00	-13.65	peak
2	5138.400	37.14	8.24	45.38	54.00	-8.62	AVG
3	5150.000	49.17	8.25	57.42	74.00	-16.58	peak
4	5150.000	39.19	8.25	47.44	54.00	-6.56	AVG
5	5350.000	47.92	8.41	56.33	74.00	-17.67	peak
6	5350.000	37.53	8.41	45.94	54.00	-8.06	AVG
7	5403.360	49.60	8.47	58.07	74.00	-15.93	peak
8	5403.360	37.28	8.47	45.75	54.00	-8.25	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



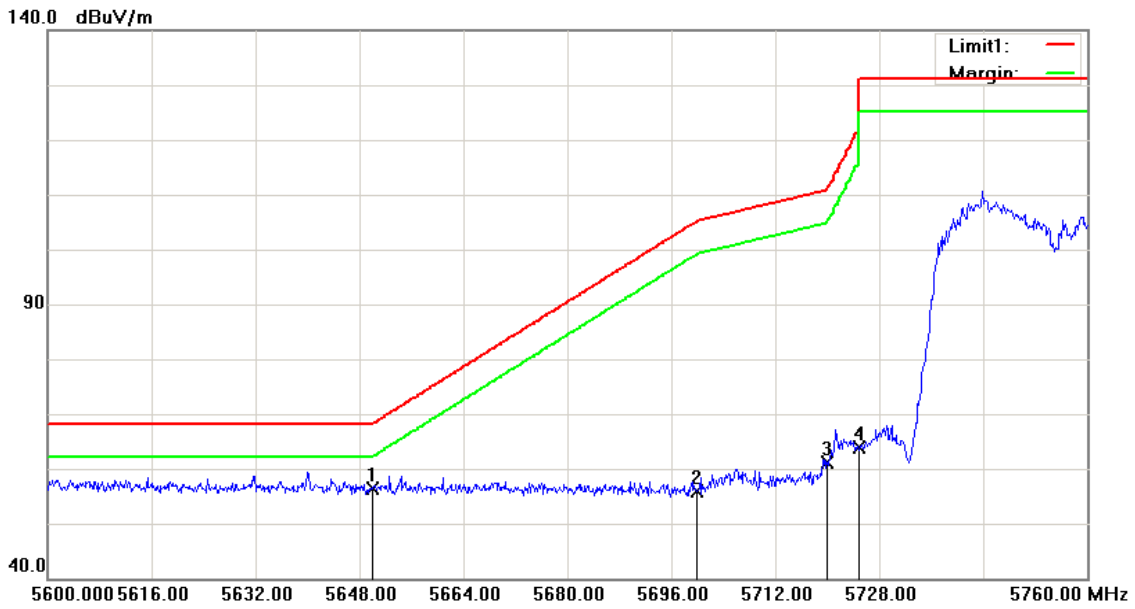
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4745.760	50.36	7.23	57.59	74.00	-16.41	peak
2	4745.760	38.04	7.23	45.27	54.00	-8.73	AVG
3	5150.000	47.25	8.25	55.50	74.00	-18.50	peak
4	5150.000	37.16	8.25	45.41	54.00	-8.59	AVG
5	5350.000	47.81	8.41	56.22	74.00	-17.78	peak
6	5350.000	37.63	8.41	46.04	54.00	-7.96	AVG
7	5387.040	49.67	8.45	58.12	74.00	-15.88	peak
8	5387.040	37.47	8.45	45.92	54.00	-8.08	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



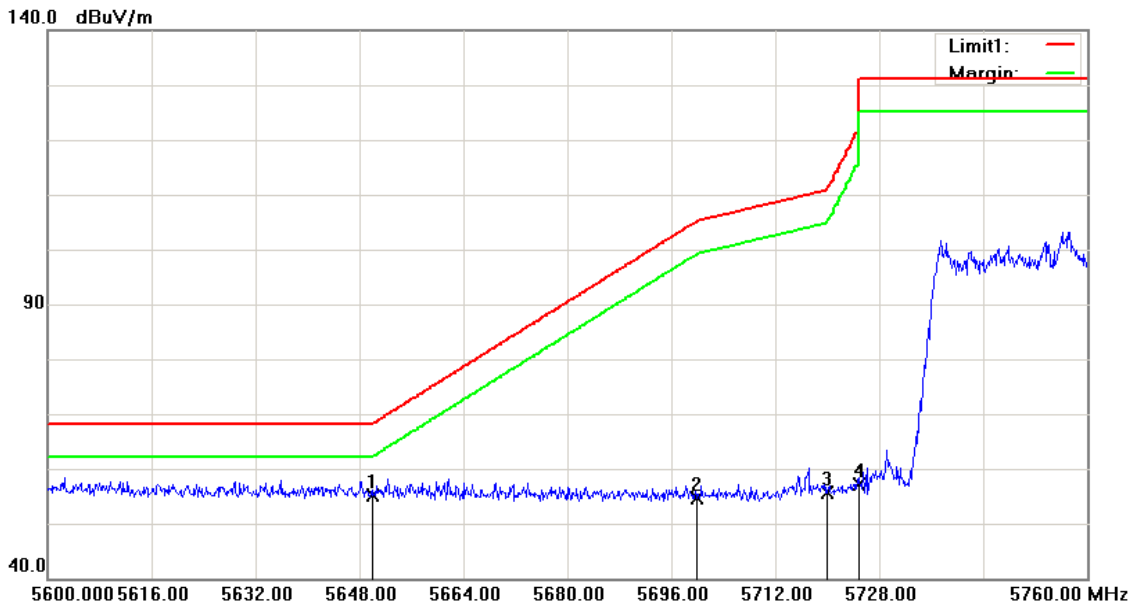
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.52	8.93	56.45	68.20	-11.75	peak
2	5700.000	46.71	9.05	55.76	105.20	-49.44	peak
3	5720.000	52.09	9.09	61.18	110.80	-49.62	peak
4	5725.000	54.65	9.11	63.76	122.20	-58.44	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



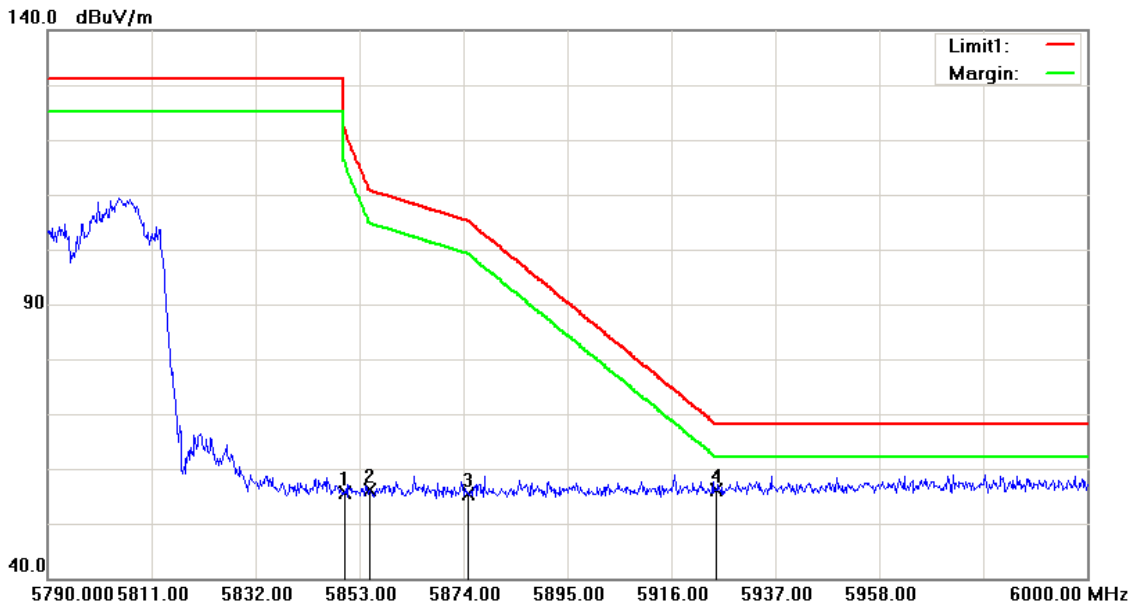
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.28	8.93	55.21	68.20	-12.99	peak
2	5700.000	45.48	9.05	54.53	105.20	-50.67	peak
3	5720.000	46.63	9.09	55.72	110.80	-55.08	peak
4	5725.000	47.96	9.11	57.07	122.20	-65.13	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



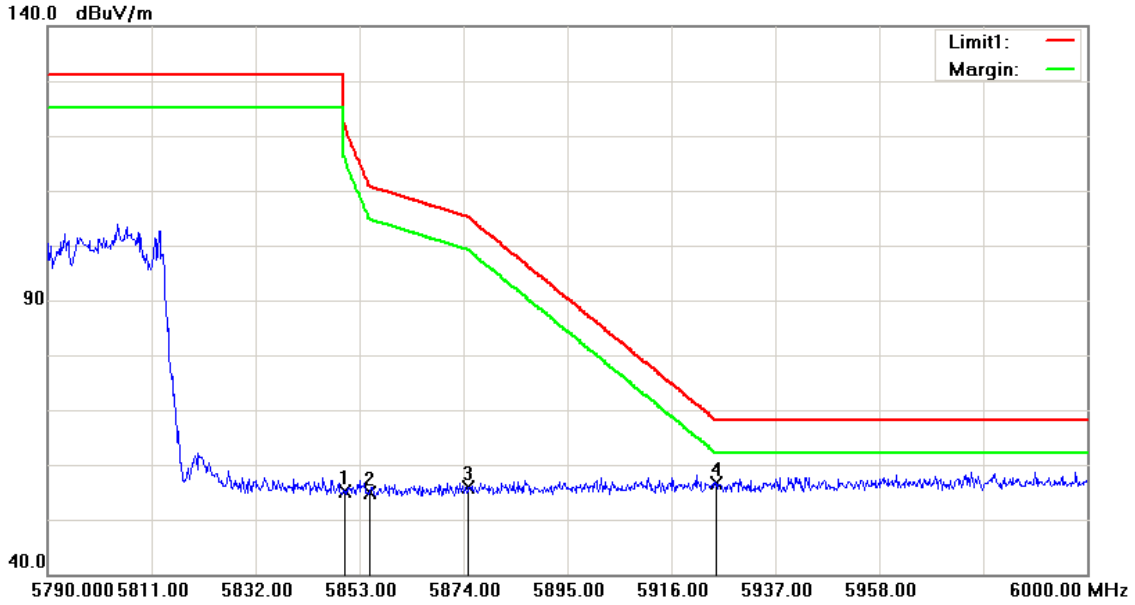
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.25	9.41	55.66	122.20	-66.54	peak
2	5855.000	46.81	9.43	56.24	110.80	-54.56	peak
3	5875.000	45.84	9.48	55.32	105.20	-49.88	peak
4	5925.000	46.50	9.61	56.11	68.20	-12.09	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



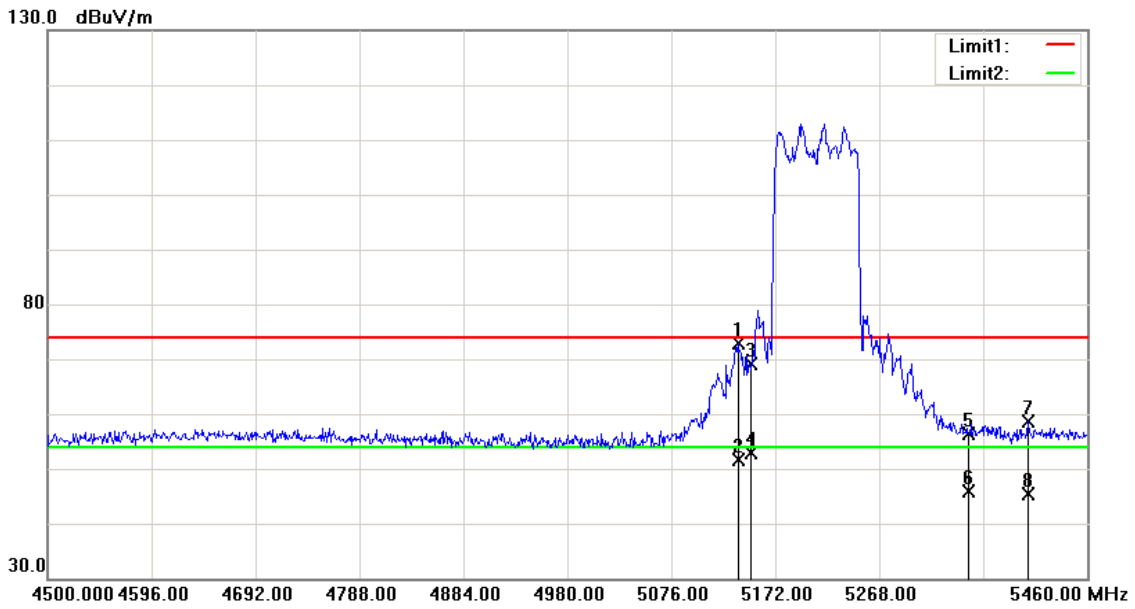
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.62	9.41	55.03	122.20	-67.17	peak
2	5855.000	45.51	9.43	54.94	110.80	-55.86	peak
3	5875.000	46.41	9.48	55.89	105.20	-49.31	peak
4	5925.000	46.91	9.61	56.52	68.20	-11.68	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



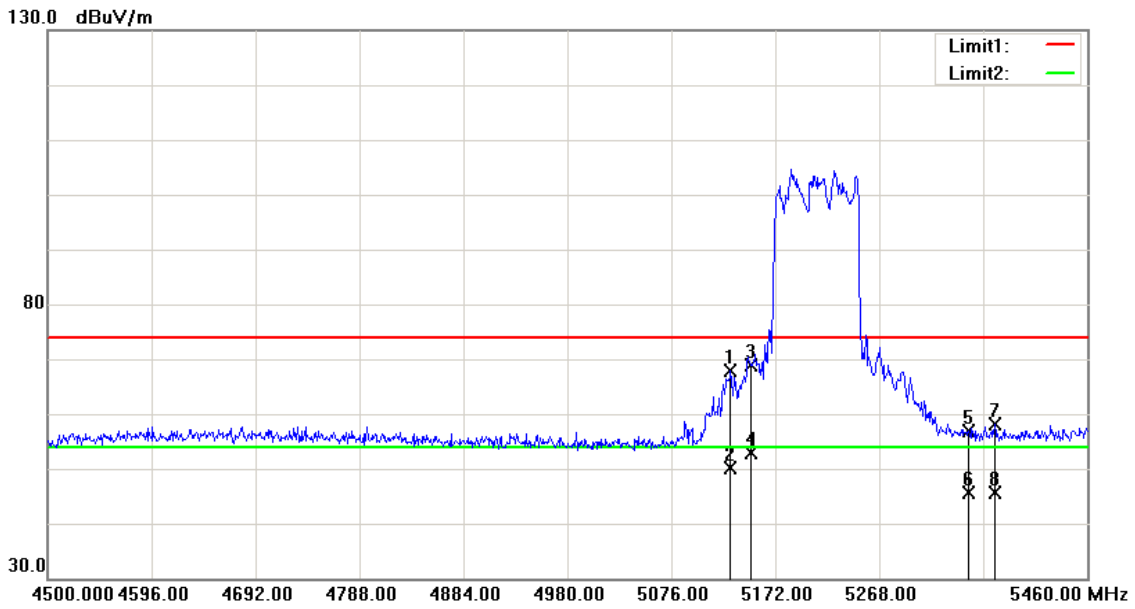
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5137.440	64.66	8.23	72.89	74.00	-1.11	peak
2	5137.440	43.52	8.23	51.75	54.00	-2.25	AVG
3	5150.000	60.79	8.25	69.04	74.00	-4.96	peak
4	5150.000	44.70	8.25	52.95	54.00	-1.05	AVG
5	5350.000	47.93	8.41	56.34	74.00	-17.66	peak
6	5350.000	37.54	8.41	45.95	54.00	-8.05	AVG
7	5405.280	50.21	8.47	58.68	74.00	-15.32	peak
8	5405.280	36.93	8.47	45.40	54.00	-8.60	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



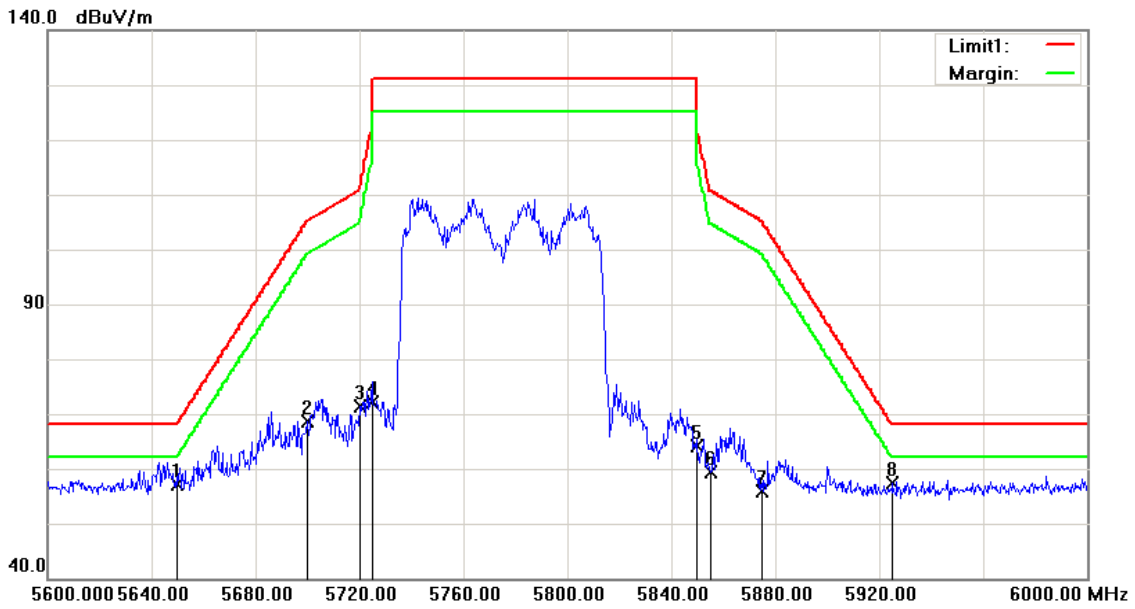
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5130.720	59.63	8.23	67.86	74.00	-6.14	peak
2	5130.720	41.94	8.23	50.17	54.00	-3.83	AVG
3	5150.000	60.74	8.25	68.99	74.00	-5.01	peak
4	5150.000	44.64	8.25	52.89	54.00	-1.11	AVG
5	5350.000	48.48	8.41	56.89	74.00	-17.11	peak
6	5350.000	37.34	8.41	45.75	54.00	-8.25	AVG
7	5374.560	49.69	8.43	58.12	74.00	-15.88	peak
8	5374.560	37.23	8.43	45.66	54.00	-8.34	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Horizontal		
Description:	Antenna:SAA04-22008A		



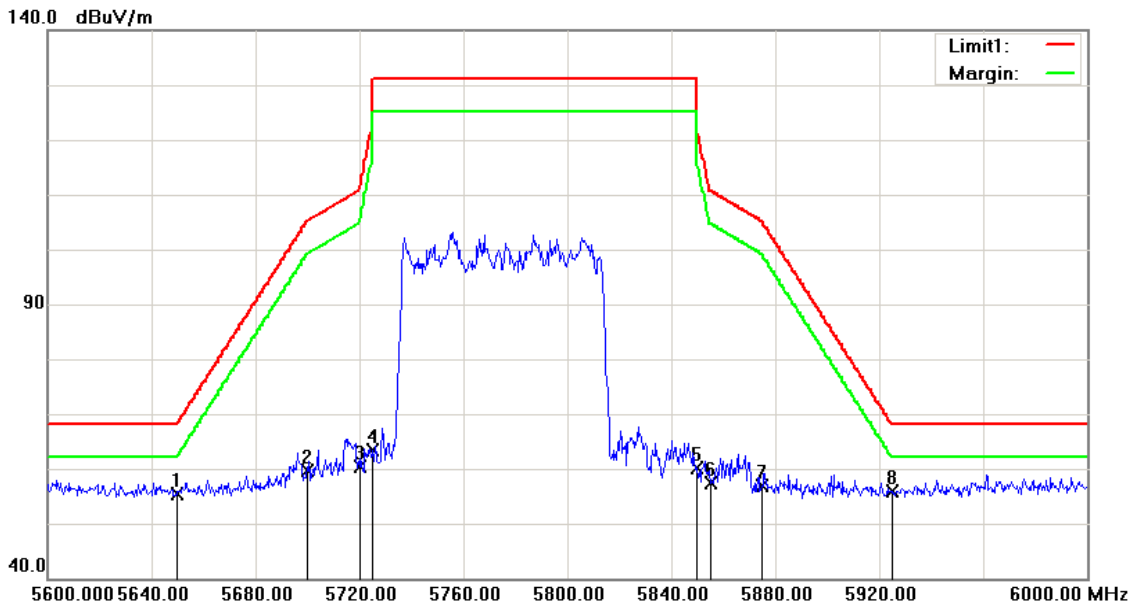
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.09	8.93	57.02	68.20	-11.18	peak
2	5700.000	59.49	9.05	68.54	105.20	-36.66	peak
3	5720.000	62.28	9.09	71.37	110.80	-39.43	peak
4	5725.000	63.06	9.11	72.17	122.20	-50.03	peak
5	5850.000	54.62	9.41	64.03	122.20	-58.17	peak
6	5855.000	49.94	9.43	59.37	110.80	-51.43	peak
7	5875.000	46.45	9.48	55.93	105.20	-49.27	peak
8	5925.000	47.86	9.61	57.47	68.20	-10.73	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/07/2016
Ant.Polar.:	Vertical		
Description:	Antenna:SAA04-22008A		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.43	8.93	55.36	68.20	-12.84	peak
2	5700.000	50.68	9.05	59.73	105.20	-45.47	peak
3	5720.000	51.33	9.09	60.42	110.80	-50.38	peak
4	5725.000	54.21	9.11	63.32	122.20	-58.88	peak
5	5850.000	50.66	9.41	60.07	122.20	-62.13	peak
6	5855.000	47.91	9.43	57.34	110.80	-53.46	peak
7	5875.000	47.34	9.48	56.82	105.20	-48.38	peak
8	5925.000	46.20	9.61	55.81	68.20	-12.39	peak

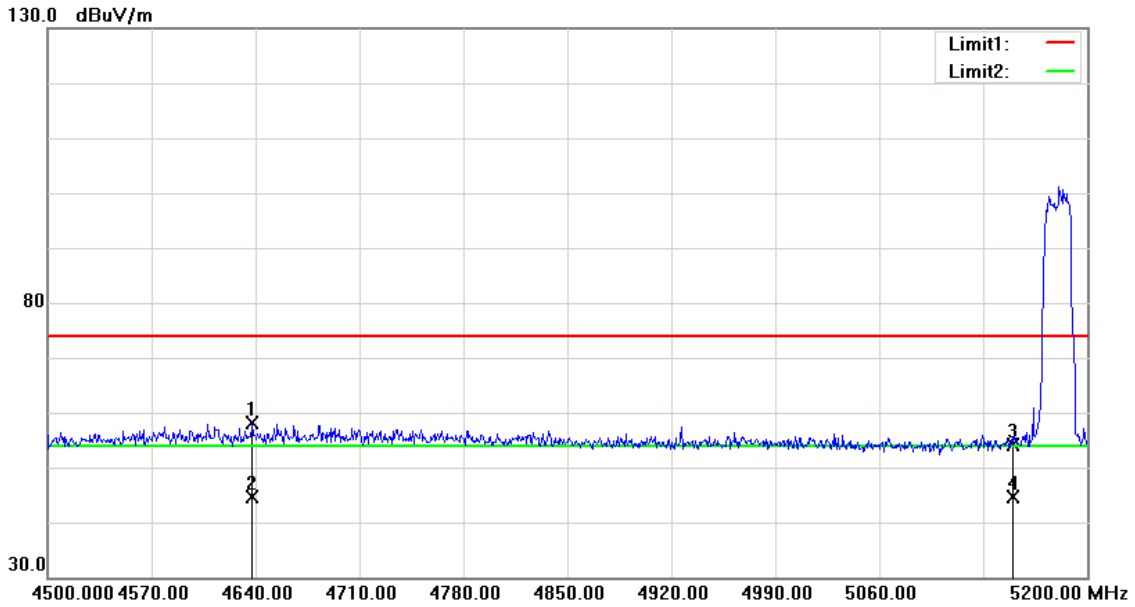
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Module : QCA9990 (EW-7944MAC)_Master

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



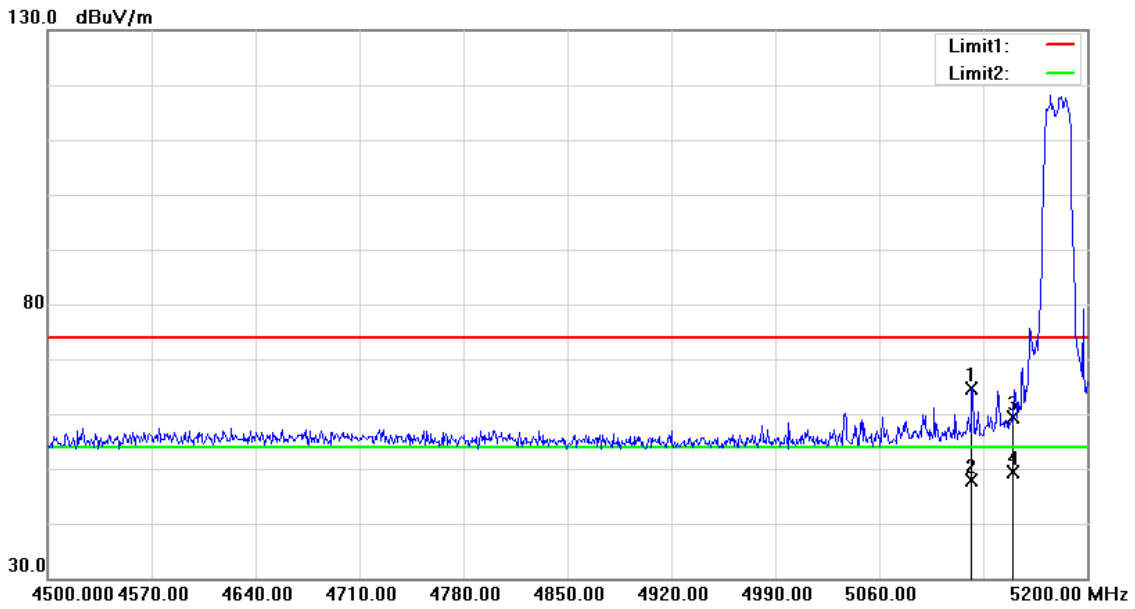
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4637.900	51.19	6.84	58.03	74.00	-15.97	peak
2	4637.900	37.69	6.84	44.53	54.00	-9.47	AVG
3	5150.000	45.84	8.25	54.09	74.00	-19.91	peak
4	5150.000	36.37	8.25	44.62	54.00	-9.38	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



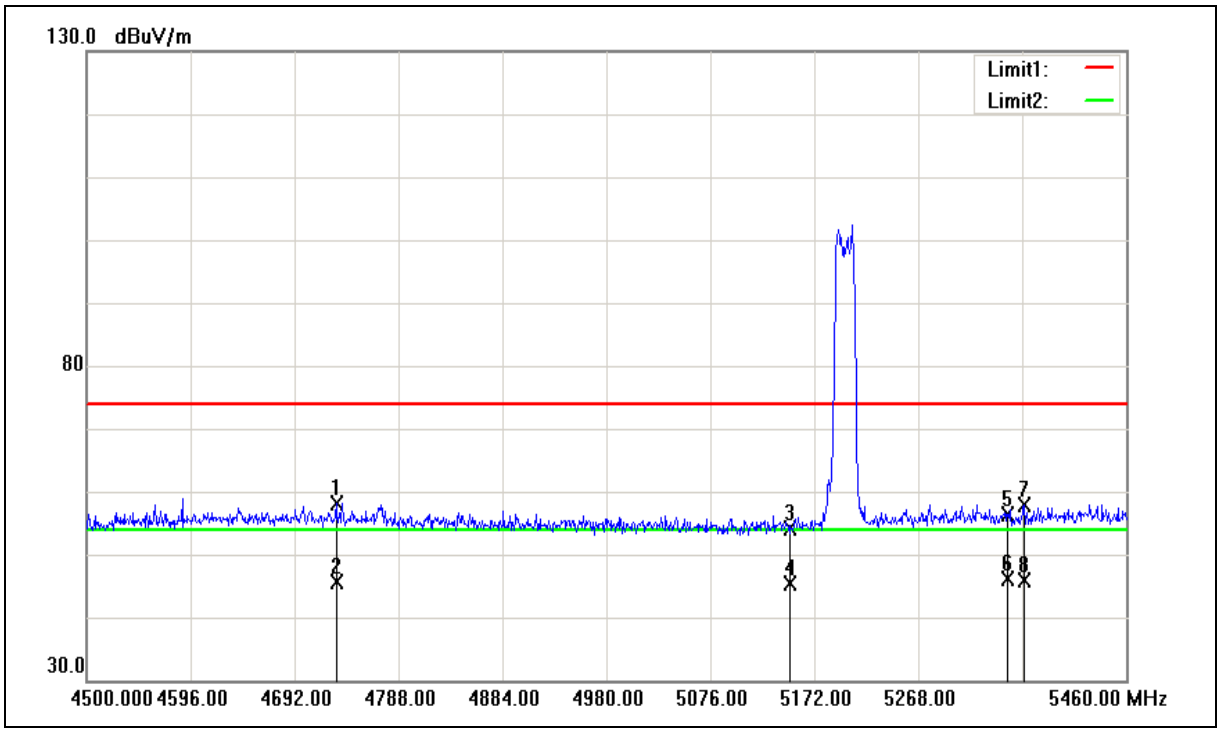
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5122.300	56.37	8.21	64.58	74.00	-9.42	peak
2	5122.300	39.68	8.21	47.89	54.00	-6.11	AVG
3	5150.000	51.06	8.25	59.31	74.00	-14.69	peak
4	5150.000	41.13	8.25	49.38	54.00	-4.62	AVG

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

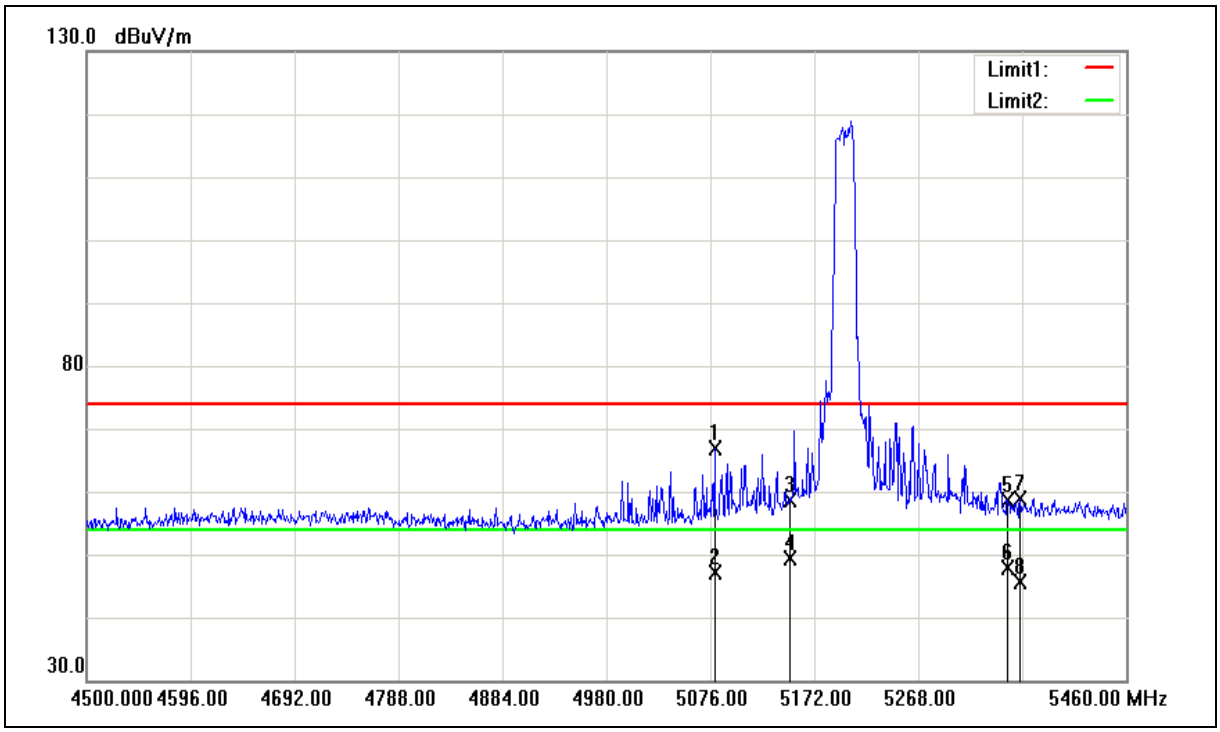
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4730.400	51.06	7.17	58.23	74.00	-15.77	peak
2	4730.400	38.38	7.17	45.55	54.00	-8.45	AVG
3	5150.000	45.85	8.25	54.10	74.00	-19.90	peak
4	5150.000	37.13	8.25	45.38	54.00	-8.62	AVG
5	5350.000	47.94	8.41	56.35	74.00	-17.65	peak
6	5350.000	37.61	8.41	46.02	54.00	-7.98	AVG
7	5365.920	49.33	8.43	57.76	74.00	-16.24	peak
8	5365.920	37.48	8.43	45.91	54.00	-8.09	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

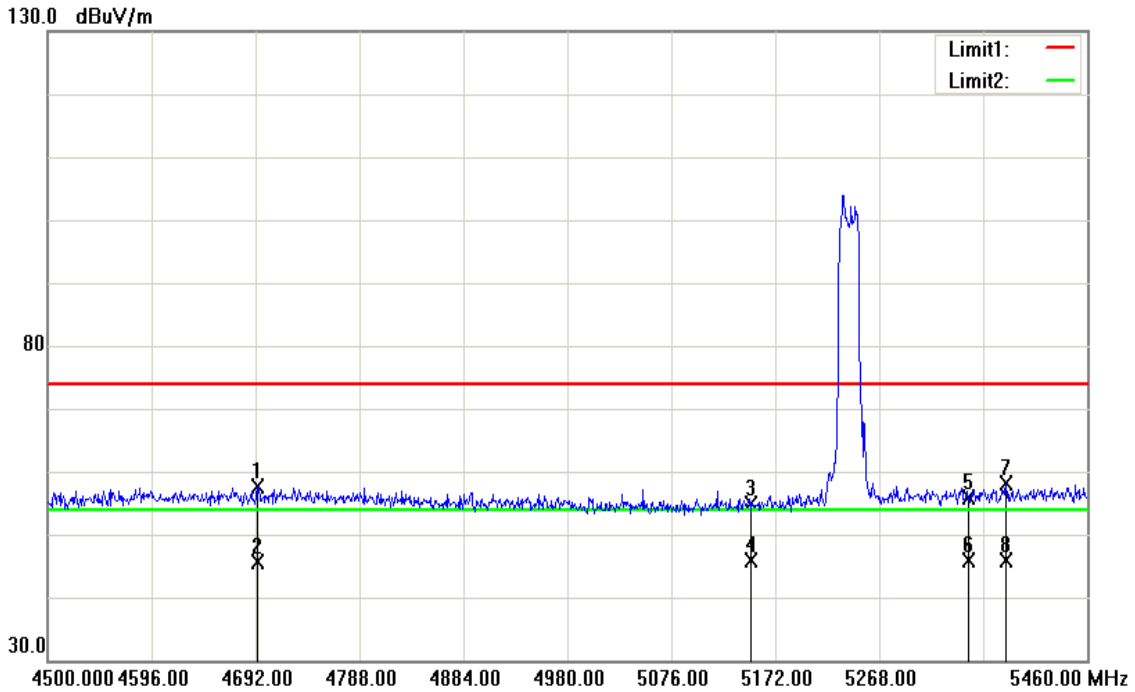
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5079.840	58.71	8.18	66.89	74.00	-7.11	peak
2	5079.840	38.97	8.18	47.15	54.00	-6.85	AVG
3	5150.000	50.37	8.25	58.62	74.00	-15.38	peak
4	5150.000	41.02	8.25	49.27	54.00	-4.73	AVG
5	5350.000	50.18	8.41	58.59	74.00	-15.41	peak
6	5350.000	39.54	8.41	47.95	54.00	-6.05	AVG
7	5362.080	50.39	8.42	58.81	74.00	-15.19	peak
8	5362.080	37.20	8.42	45.62	54.00	-8.38	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

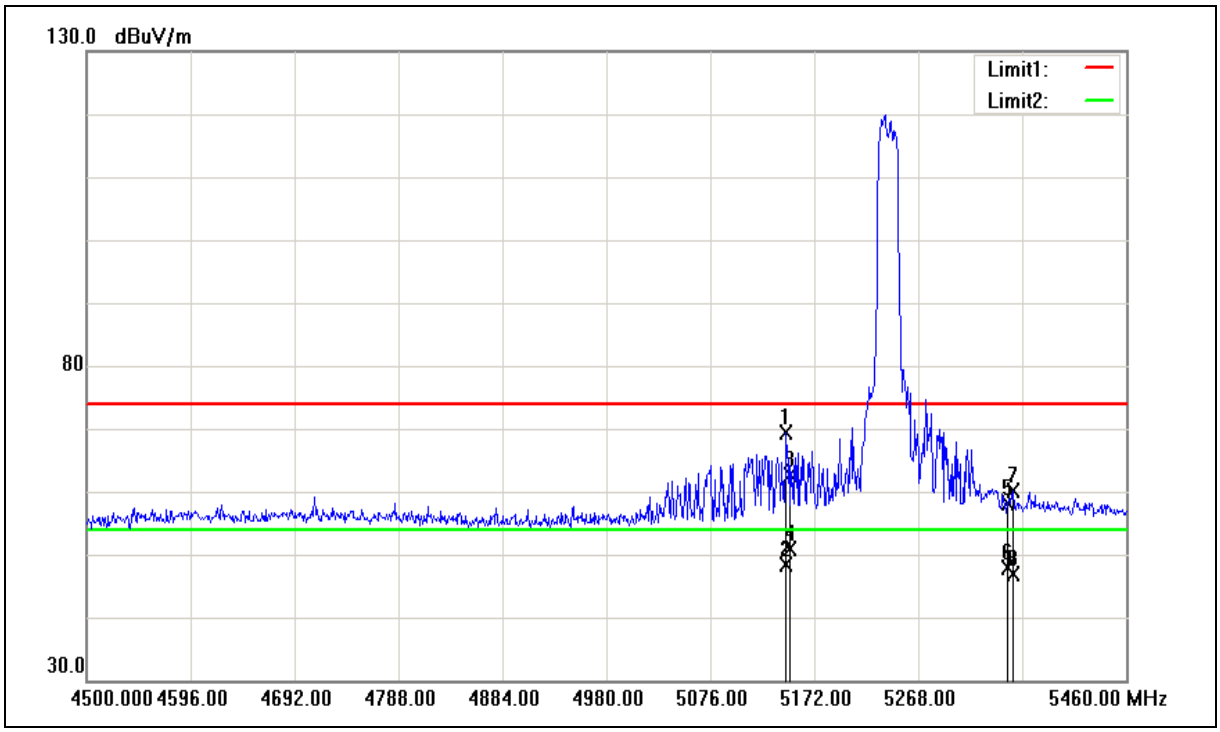
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4693.920	50.67	7.05	57.72	74.00	-16.28	peak
2	4693.920	38.51	7.05	45.56	54.00	-8.44	AVG
3	5150.000	46.75	8.25	55.00	74.00	-19.00	peak
4	5150.000	37.56	8.25	45.81	54.00	-8.19	AVG
5	5350.000	47.58	8.41	55.99	74.00	-18.01	peak
6	5350.000	37.52	8.41	45.93	54.00	-8.07	AVG
7	5385.120	49.65	8.45	58.10	74.00	-15.90	peak
8	5385.120	37.44	8.45	45.89	54.00	-8.11	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

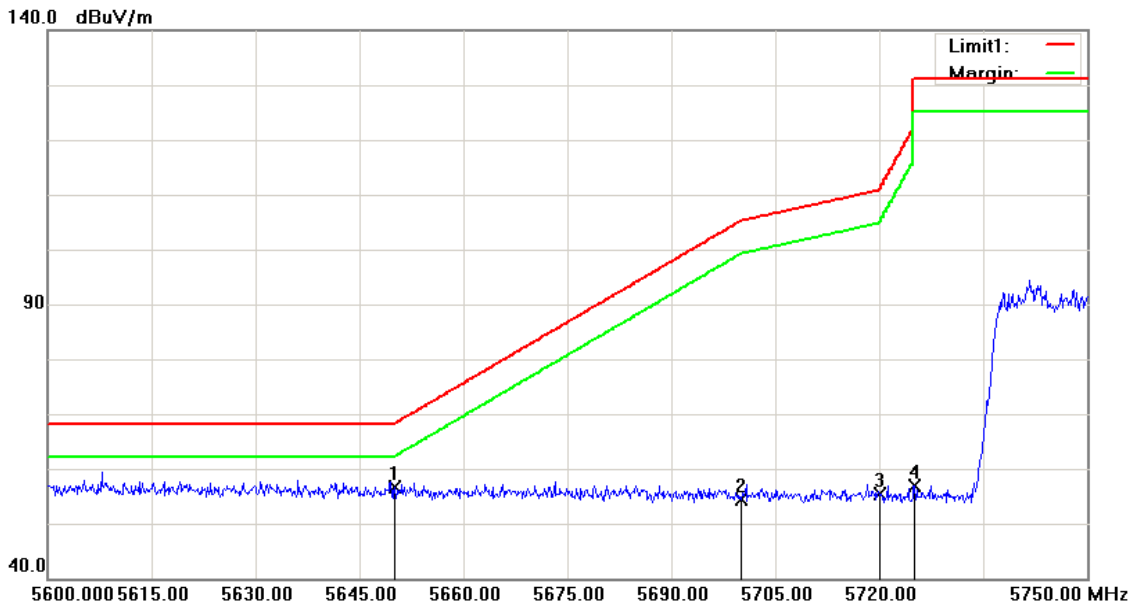
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.080	61.05	8.24	69.29	74.00	-4.71	peak
2	5146.080	40.12	8.24	48.36	54.00	-5.64	AVG
3	5150.000	54.40	8.25	62.65	74.00	-11.35	peak
4	5150.000	42.61	8.25	50.86	54.00	-3.14	AVG
5	5350.000	49.83	8.41	58.24	74.00	-15.76	peak
6	5350.000	39.54	8.41	47.95	54.00	-6.05	AVG
7	5355.360	51.67	8.42	60.09	74.00	-13.91	peak
8	5355.360	38.35	8.42	46.77	54.00	-7.23	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



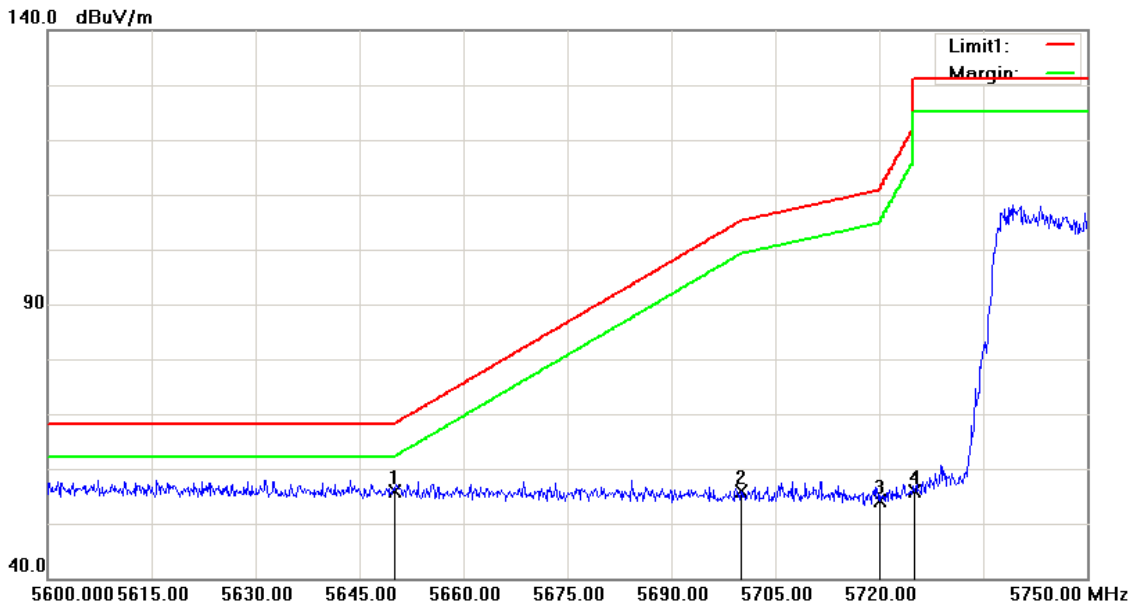
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.69	8.93	56.62	68.20	-11.58	peak
2	5700.000	45.39	9.05	54.44	105.20	-50.76	peak
3	5720.000	46.18	9.09	55.27	110.80	-55.53	peak
4	5725.000	47.78	9.11	56.89	122.20	-65.31	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



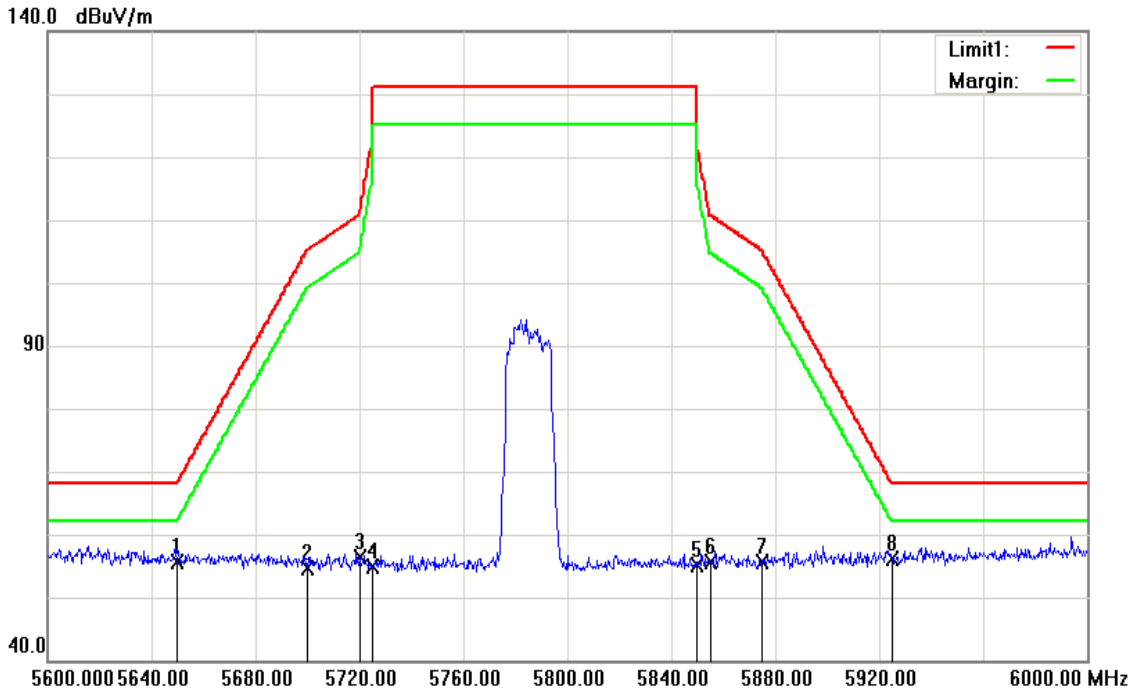
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.07	8.93	56.00	68.20	-12.20	peak
2	5700.000	46.77	9.05	55.82	105.20	-49.38	peak
3	5720.000	45.09	9.09	54.18	110.80	-56.62	peak
4	5725.000	46.76	9.11	55.87	122.20	-66.33	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

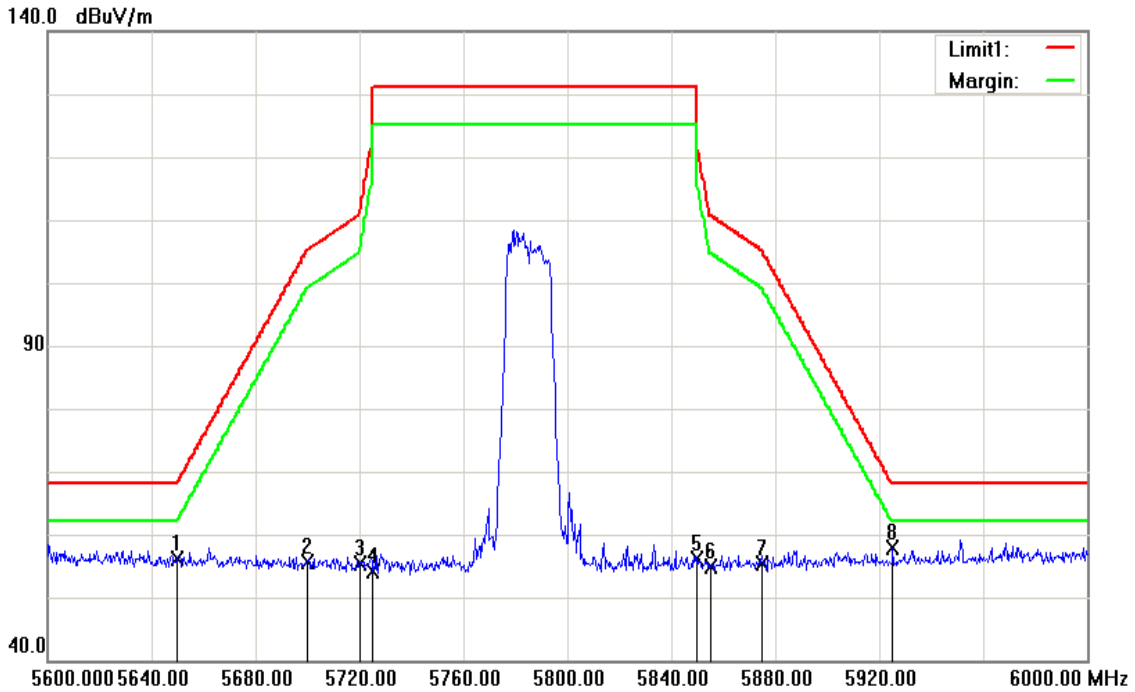
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.65	8.93	55.58	68.20	-12.62	peak
2	5700.000	45.69	9.05	54.74	105.20	-50.46	peak
3	5720.000	47.21	9.09	56.30	110.80	-54.50	peak
4	5725.000	45.89	9.11	55.00	122.20	-67.20	peak
5	5850.000	45.71	9.41	55.12	122.20	-67.08	peak
6	5855.000	46.30	9.43	55.73	110.80	-55.07	peak
7	5875.000	46.24	9.48	55.72	105.20	-49.48	peak
8	5925.000	46.45	9.61	56.06	68.20	-12.14	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

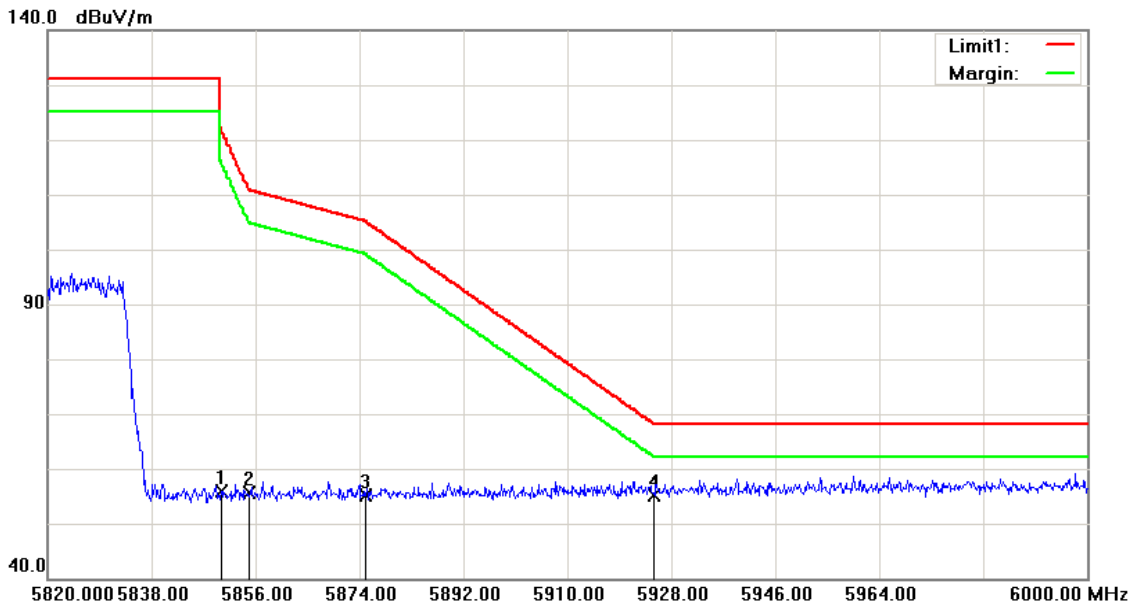
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.08	8.93	56.01	68.20	-12.19	peak
2	5700.000	46.70	9.05	55.75	105.20	-49.45	peak
3	5720.000	46.23	9.09	55.32	110.80	-55.48	peak
4	5725.000	45.09	9.11	54.20	122.20	-68.00	peak
5	5850.000	46.69	9.41	56.10	122.20	-66.10	peak
6	5855.000	45.48	9.43	54.91	110.80	-55.89	peak
7	5875.000	45.82	9.48	55.30	105.20	-49.90	peak
8	5925.000	48.18	9.61	57.79	68.20	-10.41	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



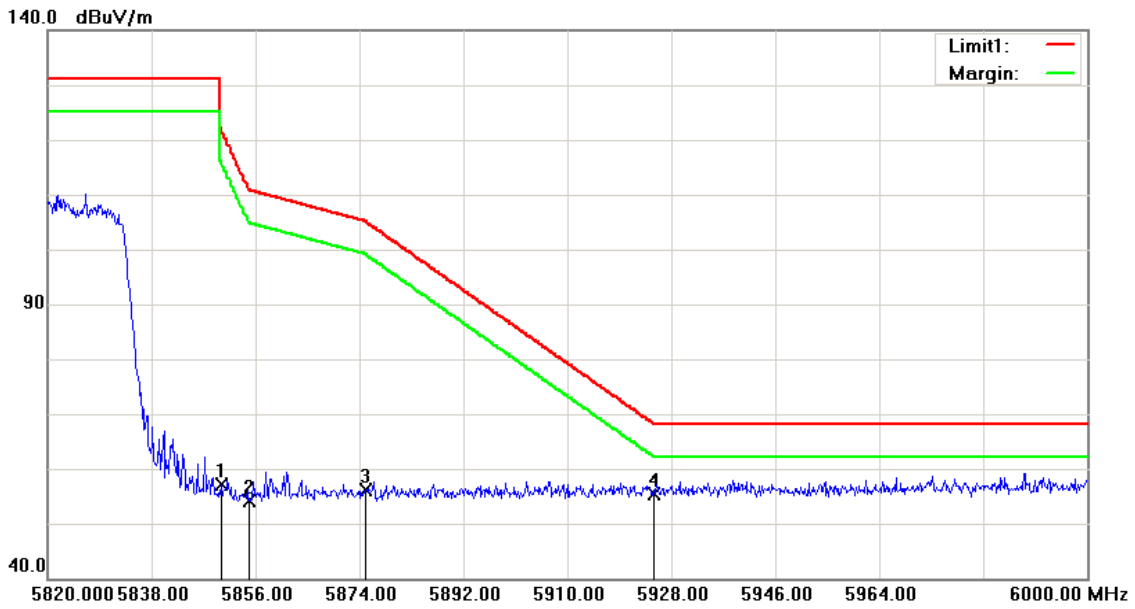
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.46	9.41	55.87	122.20	-66.33	peak
2	5855.000	46.32	9.43	55.75	110.80	-55.05	peak
3	5875.000	45.53	9.48	55.01	105.20	-50.19	peak
4	5925.000	45.55	9.61	55.16	68.20	-13.04	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



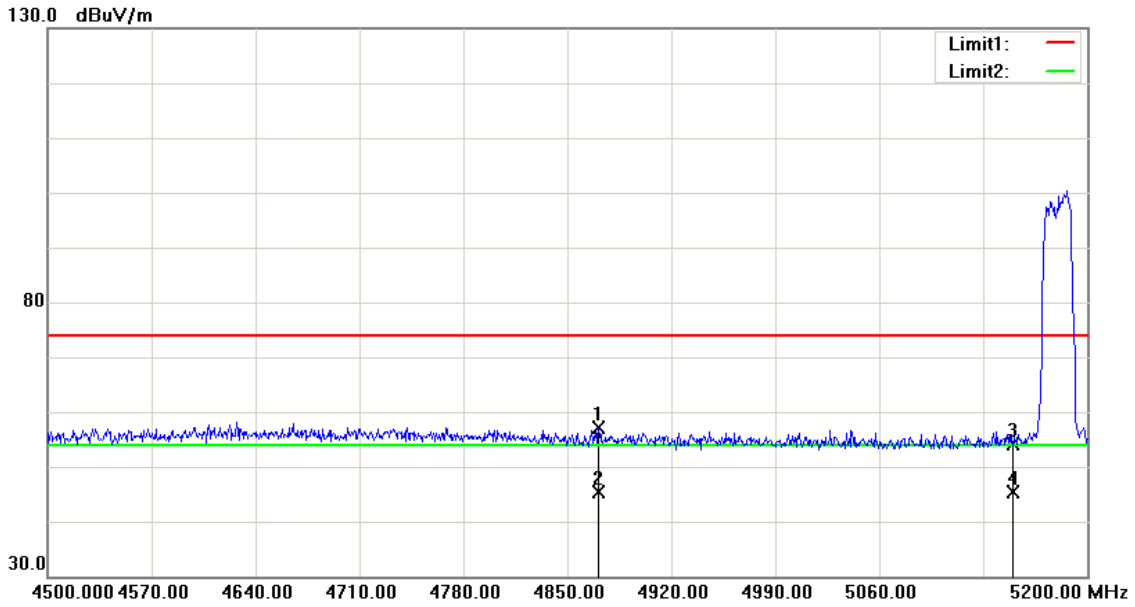
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	47.61	9.41	57.02	122.20	-65.18	peak
2	5855.000	44.74	9.43	54.17	110.80	-56.63	peak
3	5875.000	46.67	9.48	56.15	105.20	-49.05	peak
4	5925.000	45.77	9.61	55.38	68.20	-12.82	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



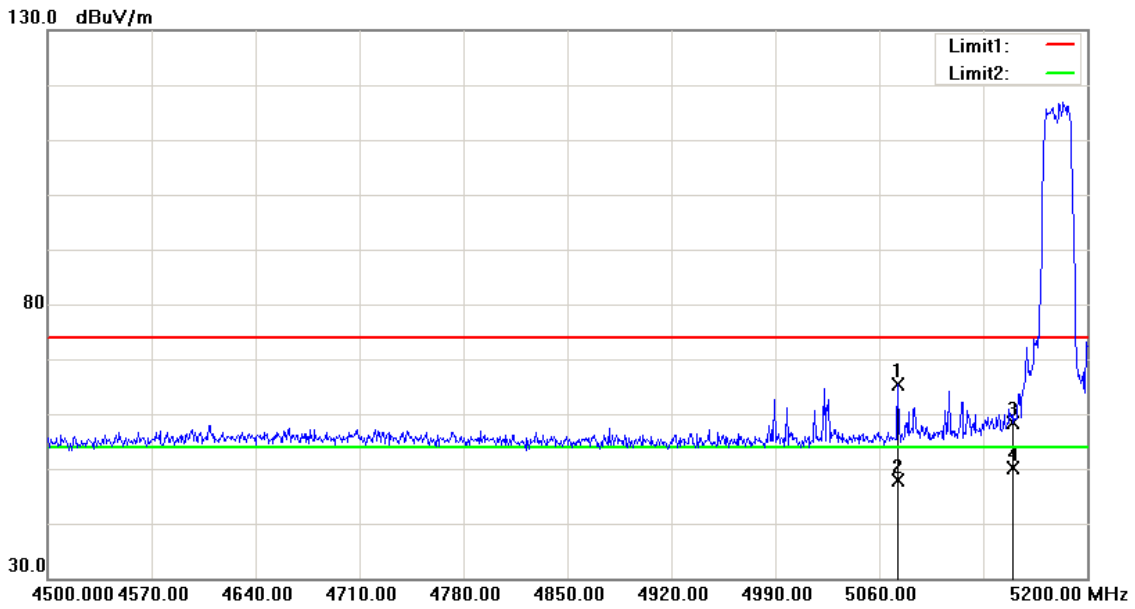
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4871.000	49.37	7.67	57.04	74.00	-16.96	peak
2	4871.000	37.66	7.67	45.33	54.00	-8.67	AVG
3	5150.000	45.83	8.25	54.08	74.00	-19.92	peak
4	5150.000	37.03	8.25	45.28	54.00	-8.72	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



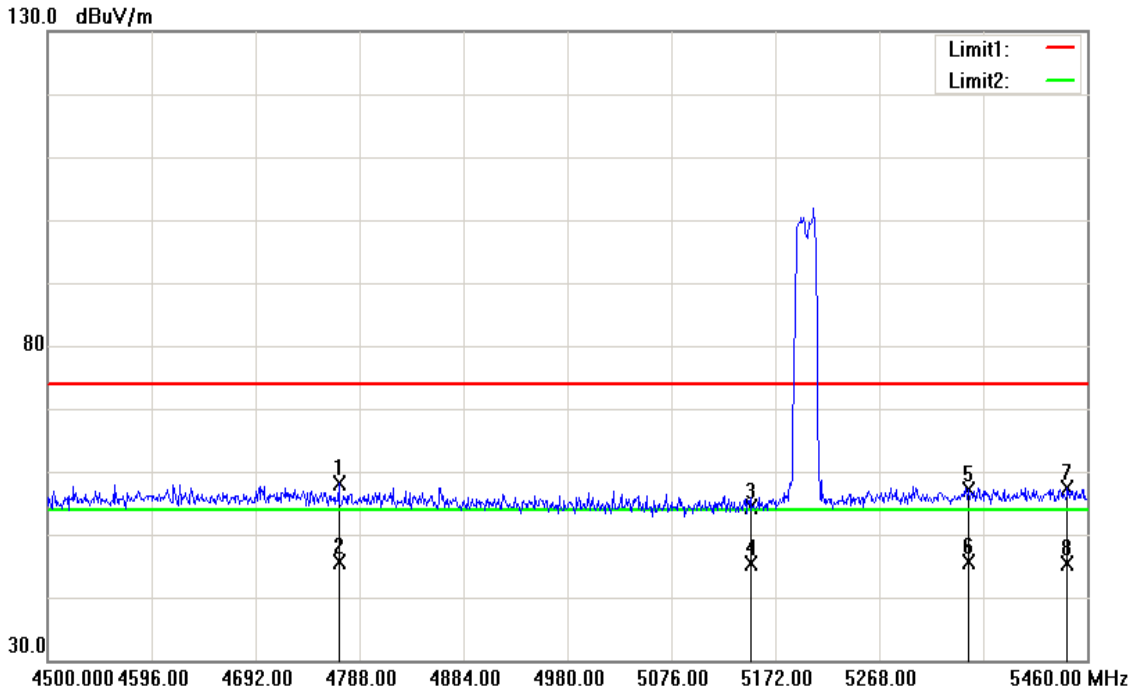
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5072.600	57.13	8.17	65.30	74.00	-8.70	peak
2	5072.600	39.73	8.17	47.90	54.00	-6.10	AVG
3	5150.000	50.24	8.25	58.49	74.00	-15.51	peak
4	5150.000	41.78	8.25	50.03	54.00	-3.97	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

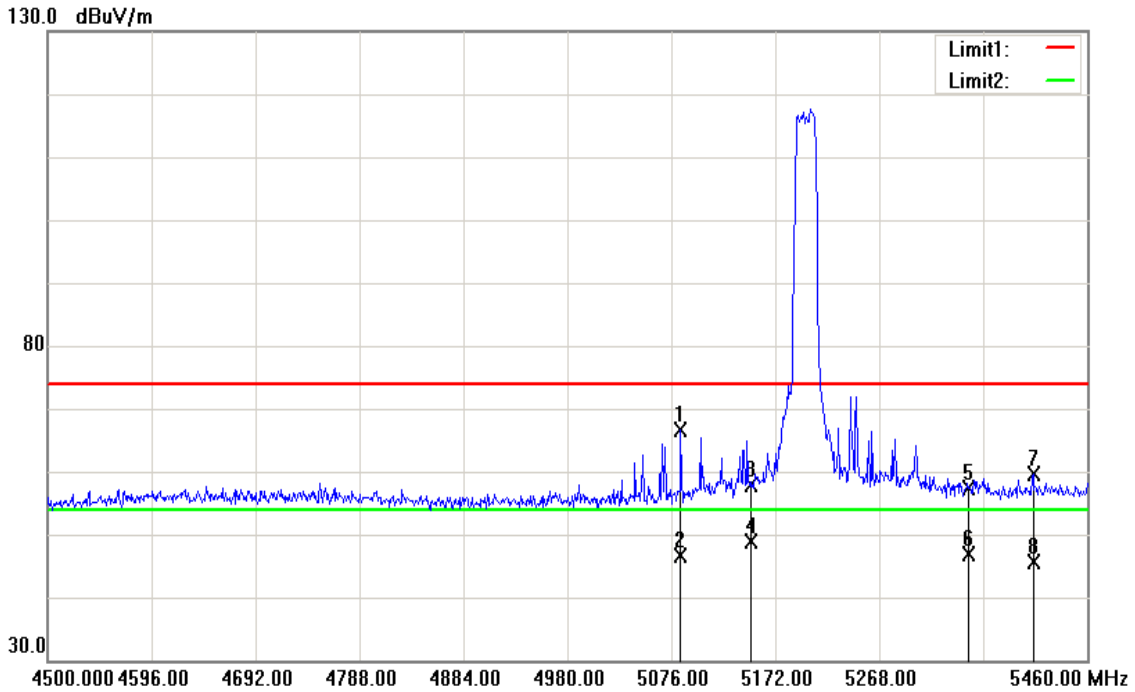
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4768.800	50.78	7.30	58.08	74.00	-15.92	peak
2	4768.800	38.43	7.30	45.73	54.00	-8.27	AVG
3	5150.000	46.04	8.25	54.29	74.00	-19.71	peak
4	5150.000	37.21	8.25	45.46	54.00	-8.54	AVG
5	5350.000	48.68	8.41	57.09	74.00	-16.91	peak
6	5350.000	37.10	8.41	45.51	54.00	-8.49	AVG
7	5441.760	48.92	8.50	57.42	74.00	-16.58	peak
8	5441.760	36.99	8.50	45.49	54.00	-8.51	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

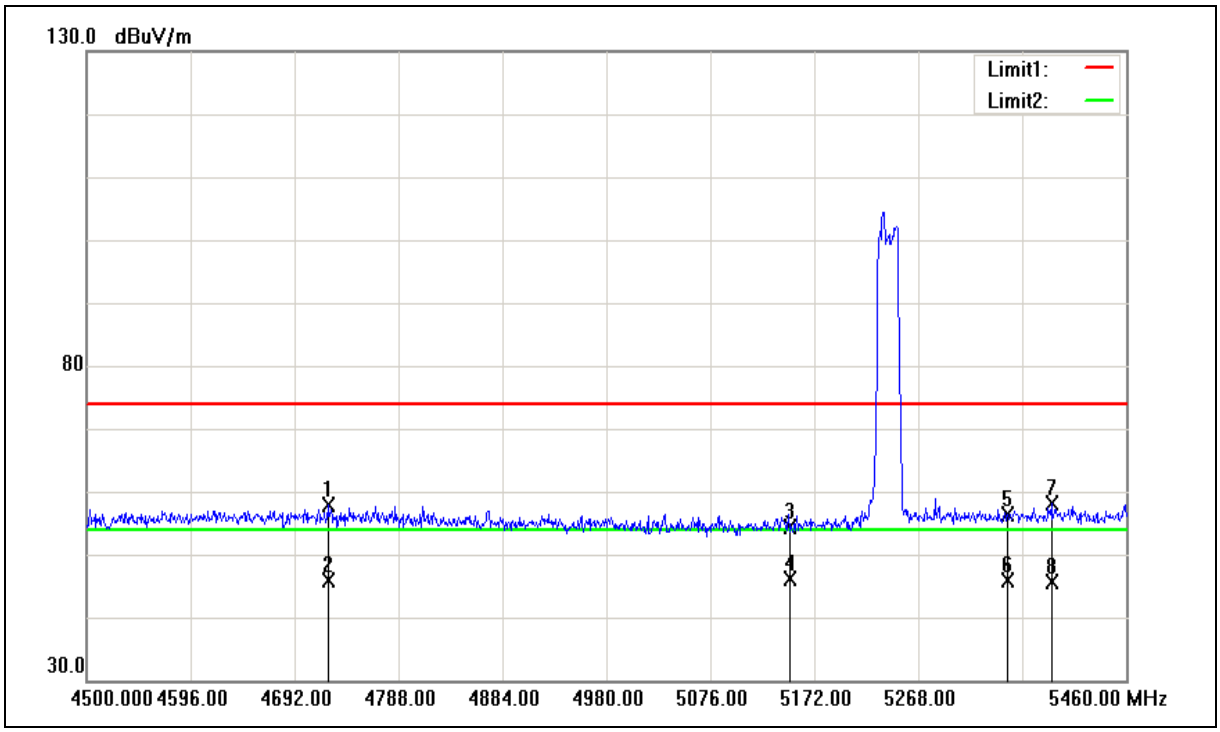
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5084.640	58.44	8.18	66.62	74.00	-7.38	peak
2	5084.640	38.56	8.18	46.74	54.00	-7.26	AVG
3	5150.000	49.52	8.25	57.77	74.00	-16.23	peak
4	5150.000	40.60	8.25	48.85	54.00	-5.15	AVG
5	5350.000	48.91	8.41	57.32	74.00	-16.68	peak
6	5350.000	38.52	8.41	46.93	54.00	-7.07	AVG
7	5410.080	51.17	8.47	59.64	74.00	-14.36	peak
8	5410.080	37.10	8.47	45.57	54.00	-8.43	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

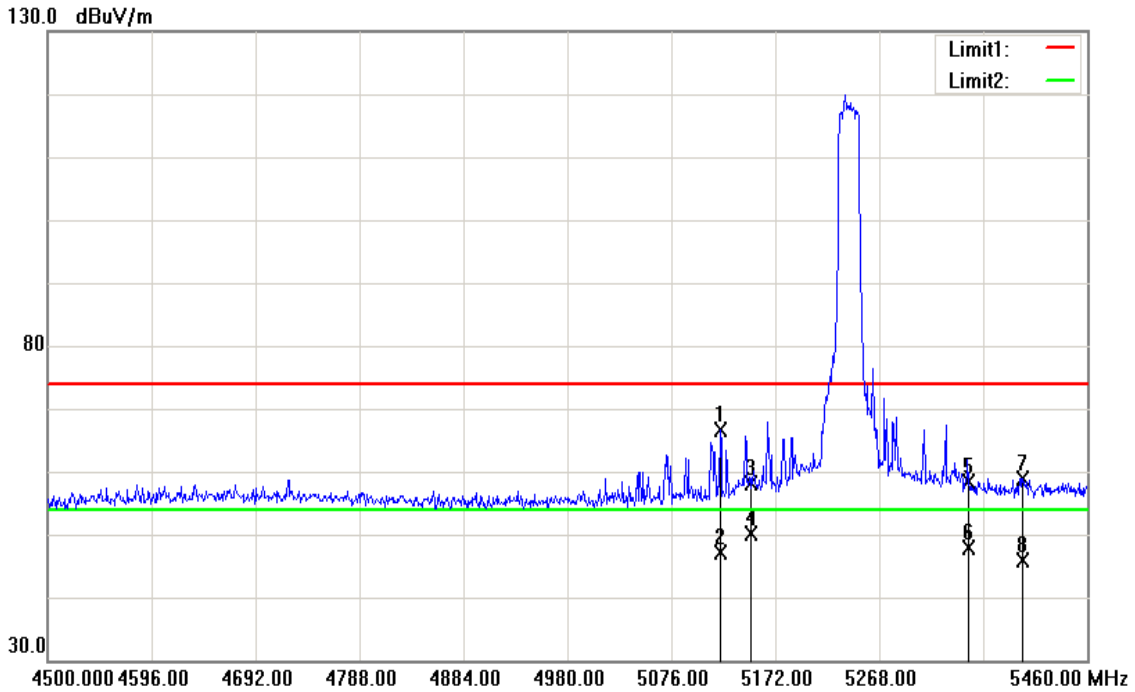
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4722.720	50.76	7.14	57.90	74.00	-16.10	peak
2	4722.720	38.65	7.14	45.79	54.00	-8.21	AVG
3	5150.000	46.22	8.25	54.47	74.00	-19.53	peak
4	5150.000	37.89	8.25	46.14	54.00	-7.86	AVG
5	5350.000	47.91	8.41	56.32	74.00	-17.68	peak
6	5350.000	37.37	8.41	45.78	54.00	-8.22	AVG
7	5390.880	49.69	8.46	58.15	74.00	-15.85	peak
8	5390.880	37.29	8.46	45.75	54.00	-8.25	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

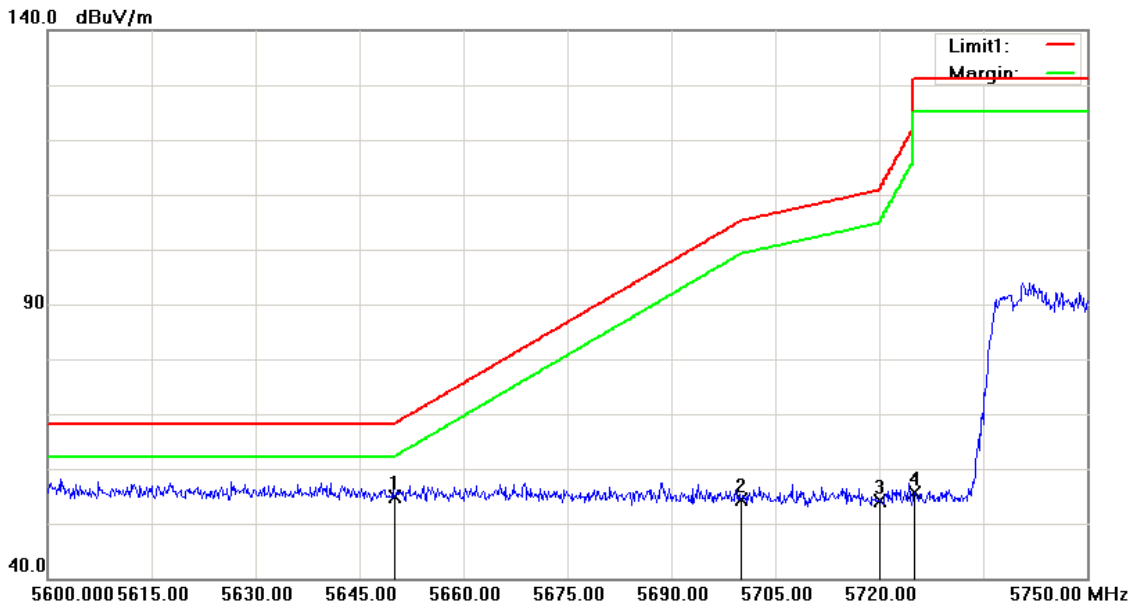
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5121.120	58.42	8.21	66.63	74.00	-7.37	peak
2	5121.120	39.04	8.21	47.25	54.00	-6.75	AVG
3	5150.000	49.92	8.25	58.17	74.00	-15.83	peak
4	5150.000	41.81	8.25	50.06	54.00	-3.94	AVG
5	5350.000	50.03	8.41	58.44	74.00	-15.56	peak
6	5350.000	39.36	8.41	47.77	54.00	-6.23	AVG
7	5400.480	50.52	8.47	58.99	74.00	-15.01	peak
8	5400.480	37.39	8.47	45.86	54.00	-8.14	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



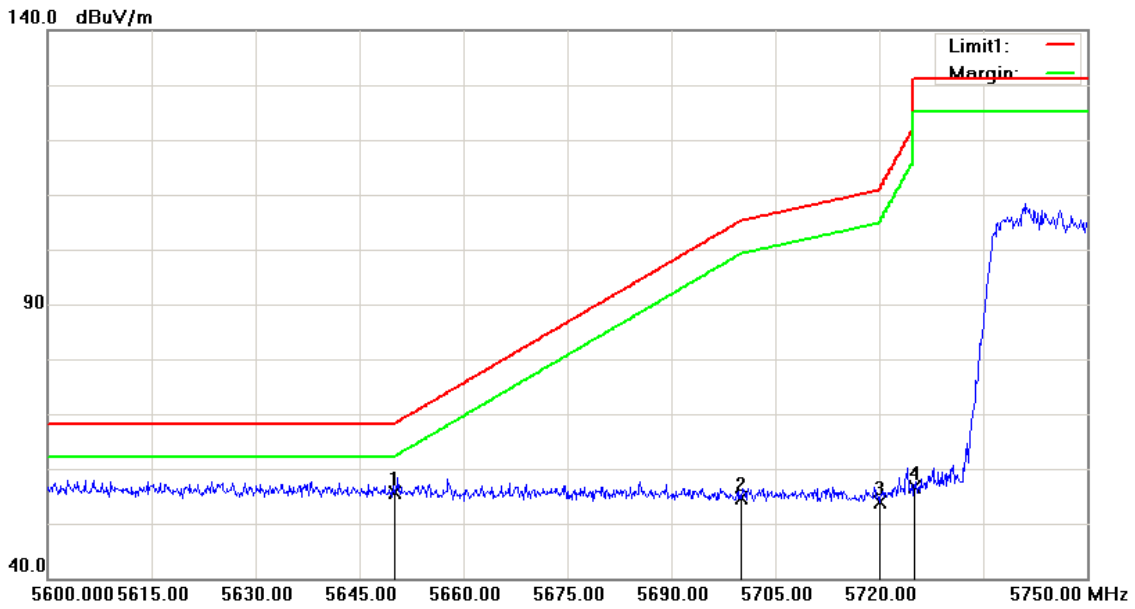
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.00	8.93	54.93	68.20	-13.27	peak
2	5700.000	45.43	9.05	54.48	105.20	-50.72	peak
3	5720.000	45.04	9.09	54.13	110.80	-56.67	peak
4	5725.000	46.62	9.11	55.73	122.20	-66.47	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5745MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



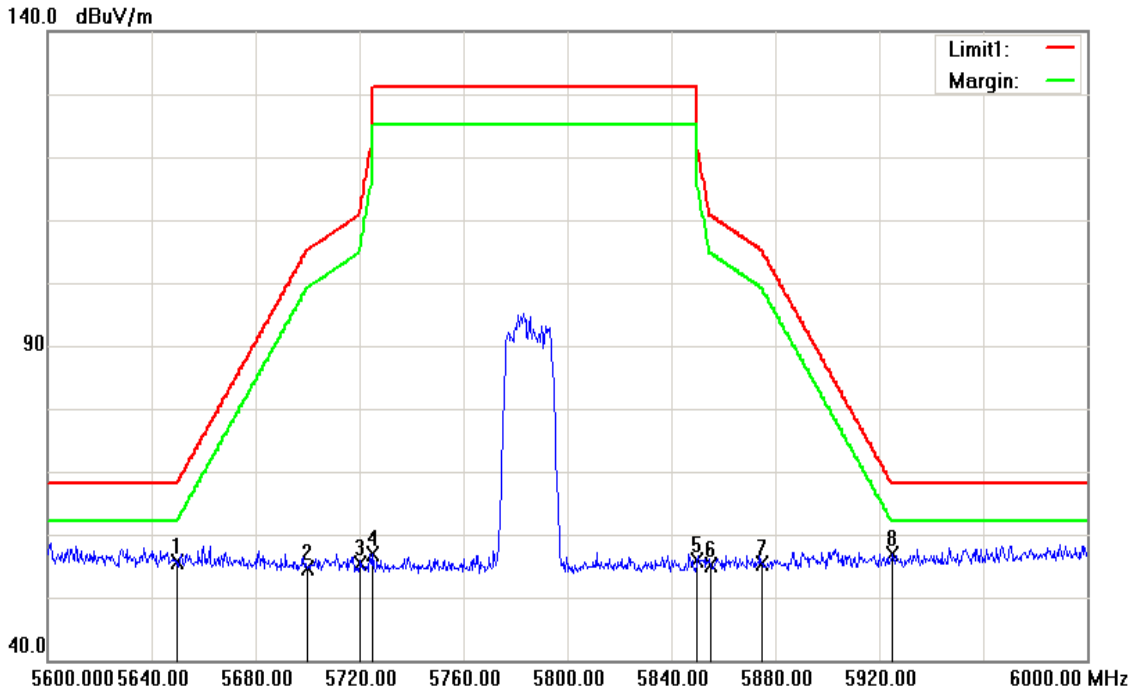
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.65	8.93	55.58	68.20	-12.62	peak
2	5700.000	45.59	9.05	54.64	105.20	-50.56	peak
3	5720.000	44.78	9.09	53.87	110.80	-56.93	peak
4	5725.000	47.46	9.11	56.57	122.20	-65.63	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

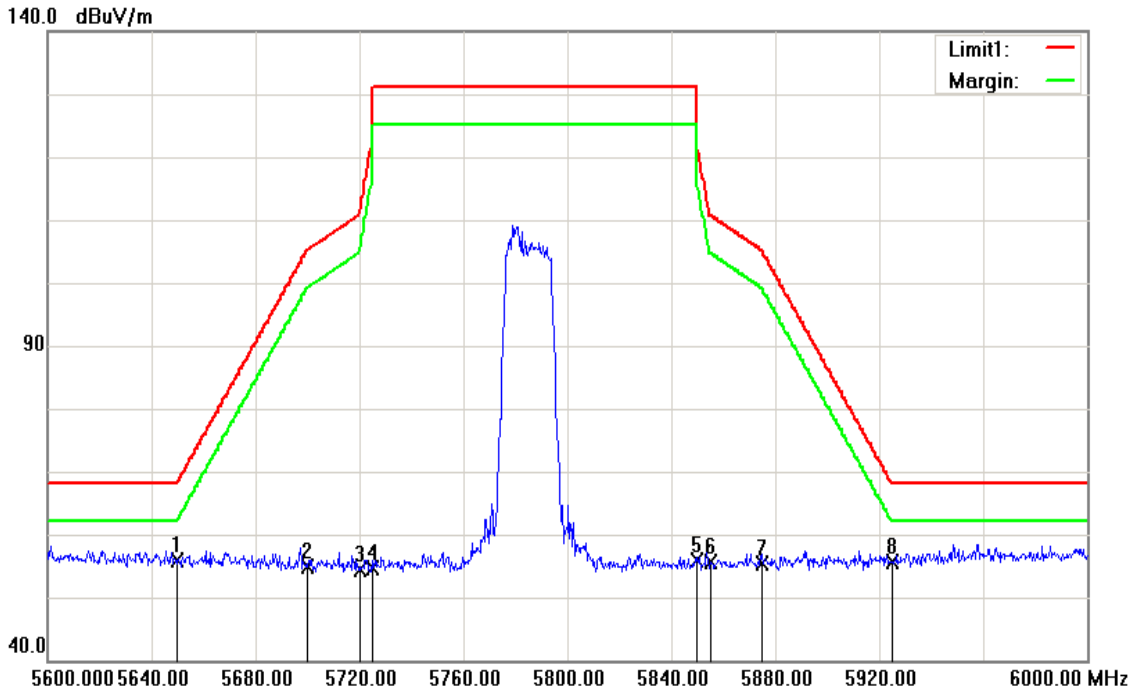
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.66	8.93	55.59	68.20	-12.61	peak
2	5700.000	45.48	9.05	54.53	105.20	-50.67	peak
3	5720.000	46.19	9.09	55.28	110.80	-55.52	peak
4	5725.000	47.88	9.11	56.99	122.20	-65.21	peak
5	5850.000	46.38	9.41	55.79	122.20	-66.41	peak
6	5855.000	45.64	9.43	55.07	110.80	-55.73	peak
7	5875.000	45.83	9.48	55.31	105.20	-49.89	peak
8	5925.000	47.27	9.61	56.88	68.20	-11.32	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5785MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

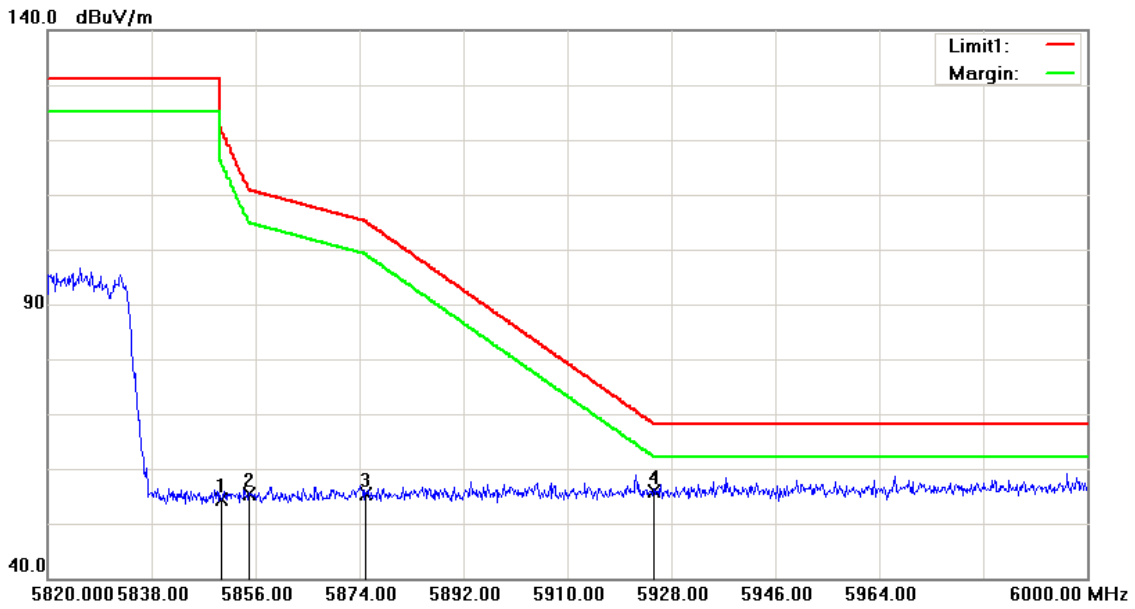
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.90	8.93	55.83	68.20	-12.37	peak
2	5700.000	45.90	9.05	54.95	105.20	-50.25	peak
3	5720.000	45.36	9.09	54.45	110.80	-56.35	peak
4	5725.000	45.46	9.11	54.57	122.20	-67.63	peak
5	5850.000	46.39	9.41	55.80	122.20	-66.40	peak
6	5855.000	46.11	9.43	55.54	110.80	-55.26	peak
7	5875.000	45.89	9.48	55.37	105.20	-49.83	peak
8	5925.000	46.09	9.61	55.70	68.20	-12.50	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



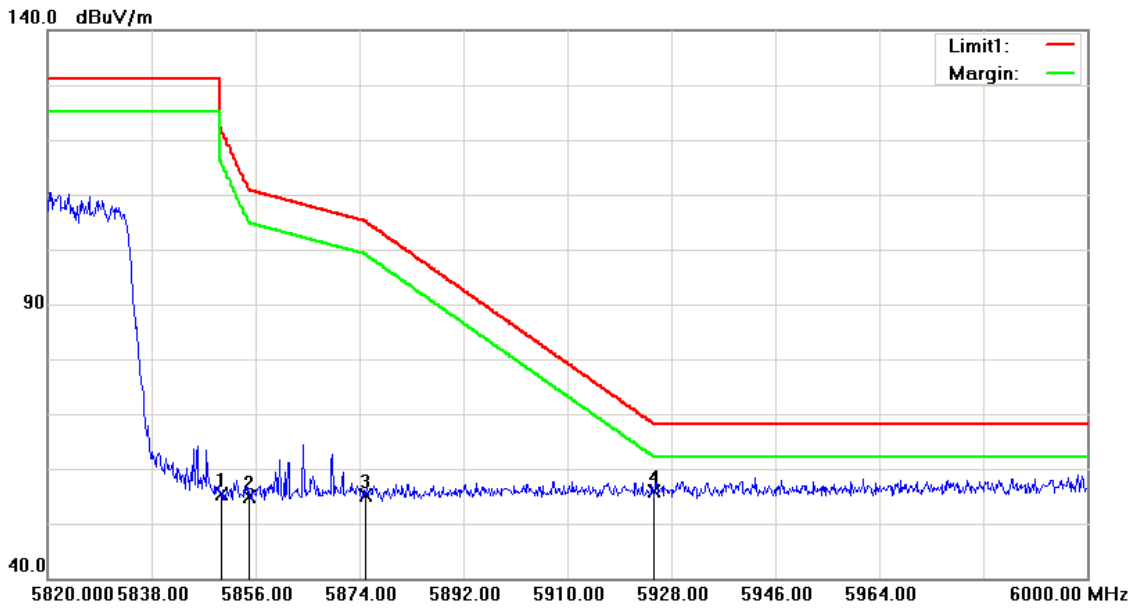
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.08	9.41	54.49	122.20	-67.71	peak
2	5855.000	45.93	9.43	55.36	110.80	-55.44	peak
3	5875.000	45.91	9.48	55.39	105.20	-49.81	peak
4	5925.000	46.28	9.61	55.89	68.20	-12.31	peak

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5825MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



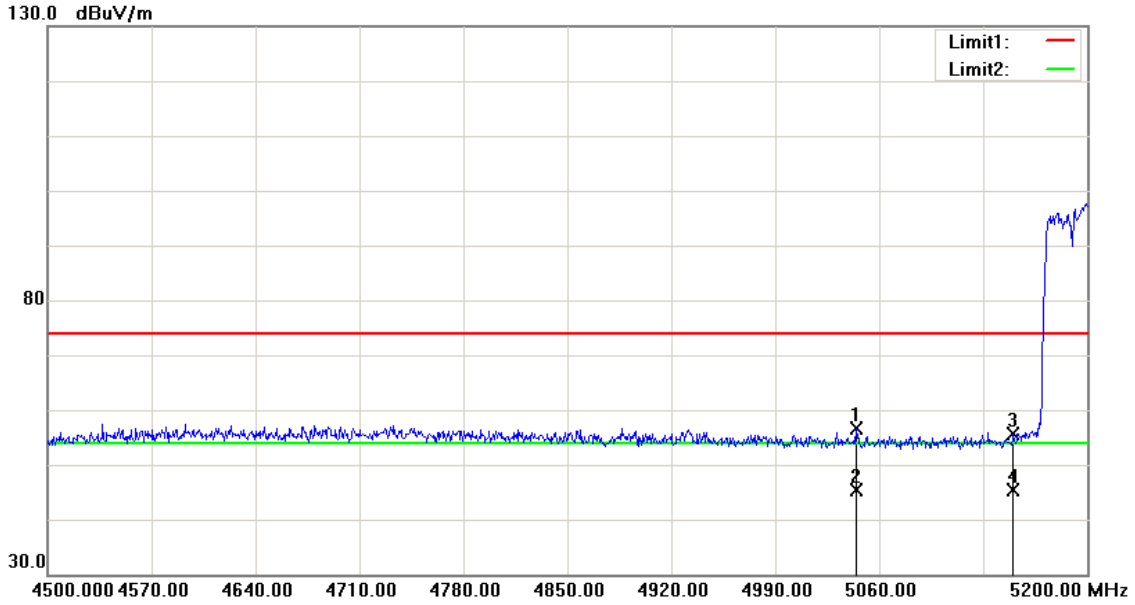
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.05	9.41	55.46	122.20	-66.74	peak
2	5855.000	45.38	9.43	54.81	110.80	-55.99	peak
3	5875.000	45.67	9.48	55.15	105.20	-50.05	peak
4	5925.000	46.26	9.61	55.87	68.20	-12.33	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



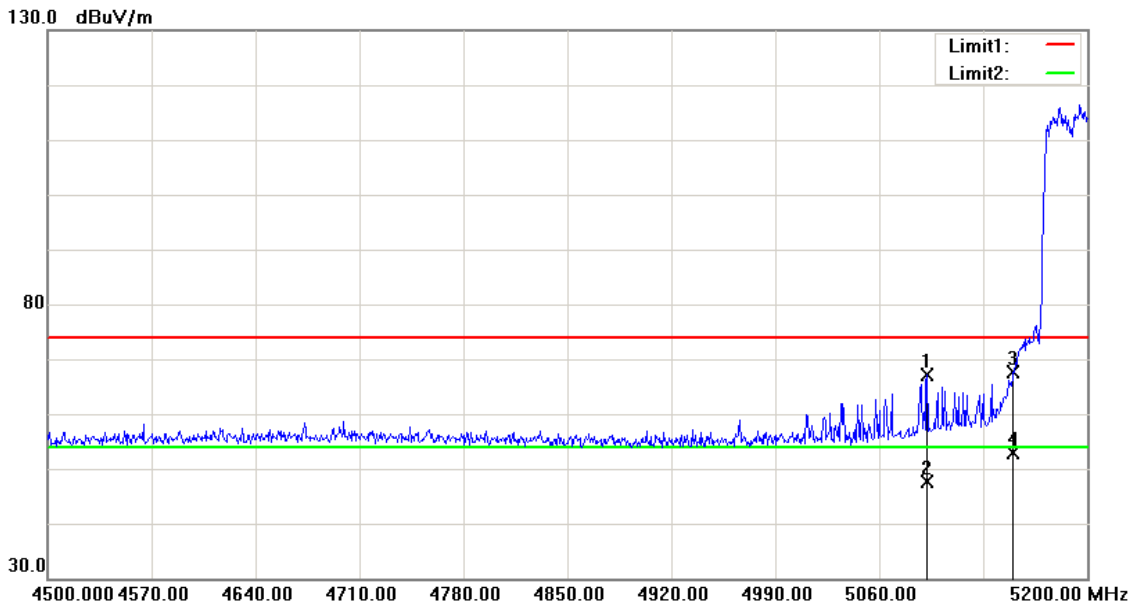
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5044.600	48.54	8.15	56.69	74.00	-17.31	peak
2	5044.600	37.35	8.15	45.50	54.00	-8.50	AVG
3	5150.000	47.38	8.25	55.63	74.00	-18.37	peak
4	5150.000	37.19	8.25	45.44	54.00	-8.56	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



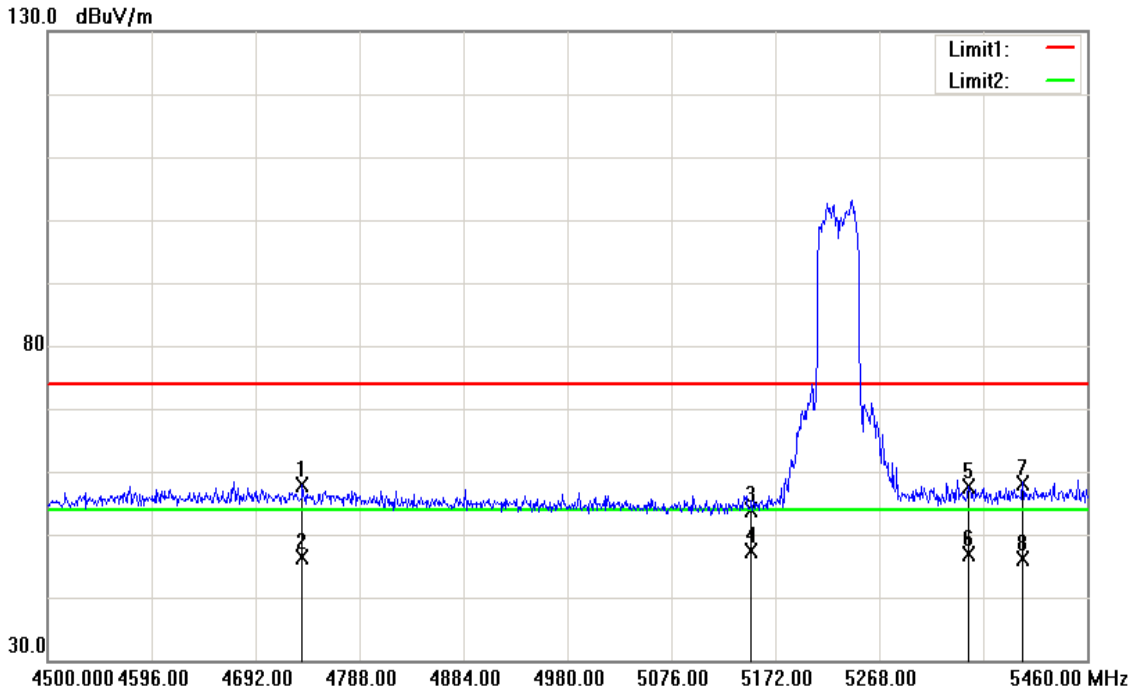
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5092.200	58.93	8.19	67.12	74.00	-6.88	peak
2	5092.200	39.44	8.19	47.63	54.00	-6.37	AVG
3	5150.000	59.30	8.25	67.55	74.00	-6.45	peak
4	5150.000	44.70	8.25	52.95	54.00	-1.05	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

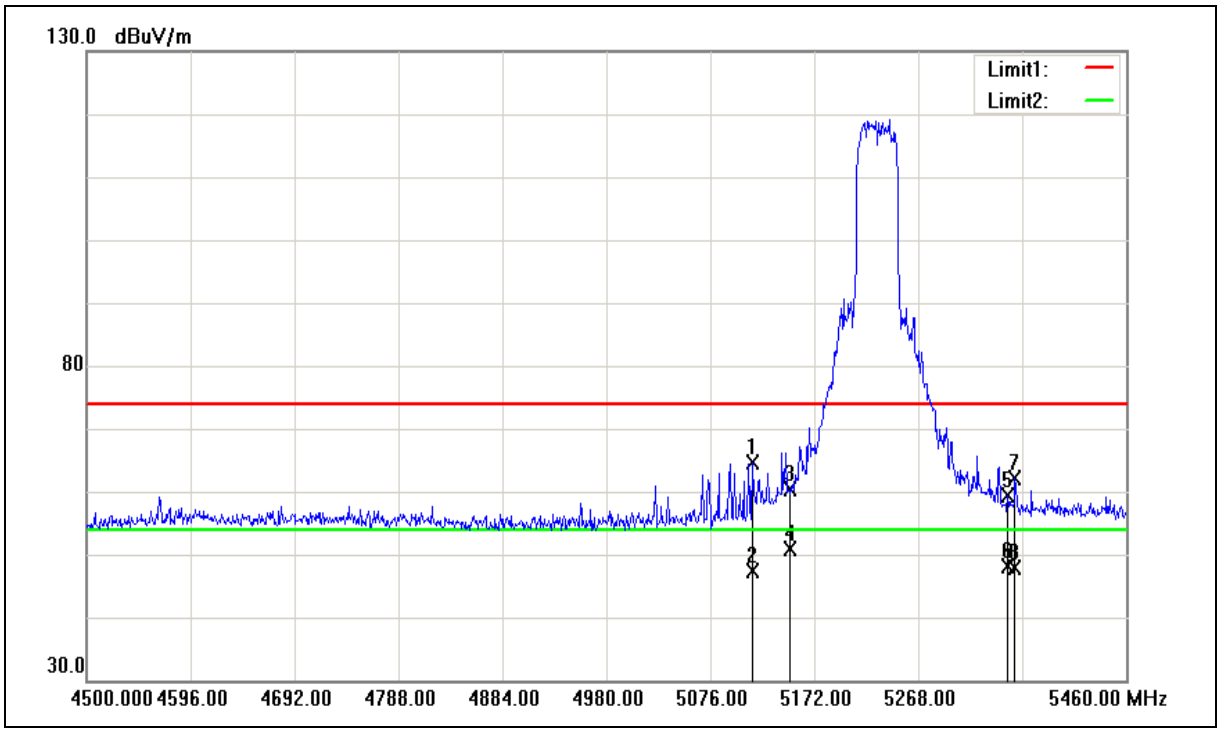
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4735.200	50.73	7.18	57.91	74.00	-16.09	peak
2	4735.200	39.18	7.18	46.36	54.00	-7.64	AVG
3	5150.000	45.72	8.25	53.97	74.00	-20.03	peak
4	5150.000	39.04	8.25	47.29	54.00	-6.71	AVG
5	5350.000	49.20	8.41	57.61	74.00	-16.39	peak
6	5350.000	38.57	8.41	46.98	54.00	-7.02	AVG
7	5400.480	49.78	8.47	58.25	74.00	-15.75	peak
8	5400.480	37.70	8.47	46.17	54.00	-7.83	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

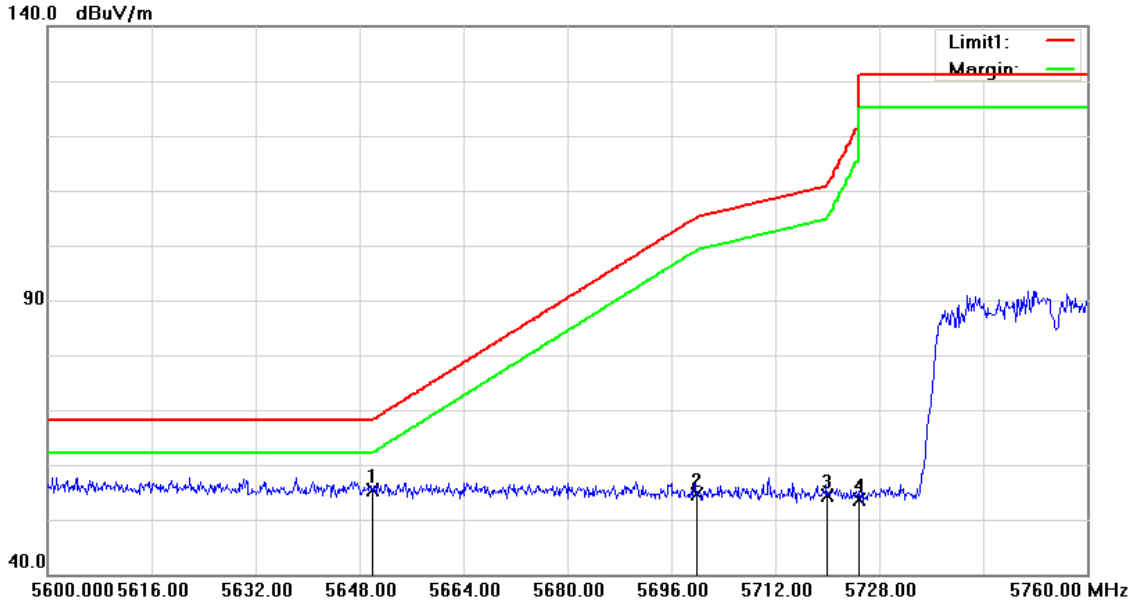
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5114.400	56.38	8.21	64.59	74.00	-9.41	peak
2	5114.400	39.08	8.21	47.29	54.00	-6.71	AVG
3	5150.000	52.10	8.25	60.35	74.00	-13.65	peak
4	5150.000	42.67	8.25	50.92	54.00	-3.08	AVG
5	5350.000	51.08	8.41	59.49	74.00	-14.51	peak
6	5350.000	39.75	8.41	48.16	54.00	-5.84	AVG
7	5357.280	53.60	8.42	62.02	74.00	-11.98	peak
8	5357.280	39.37	8.42	47.79	54.00	-6.21	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



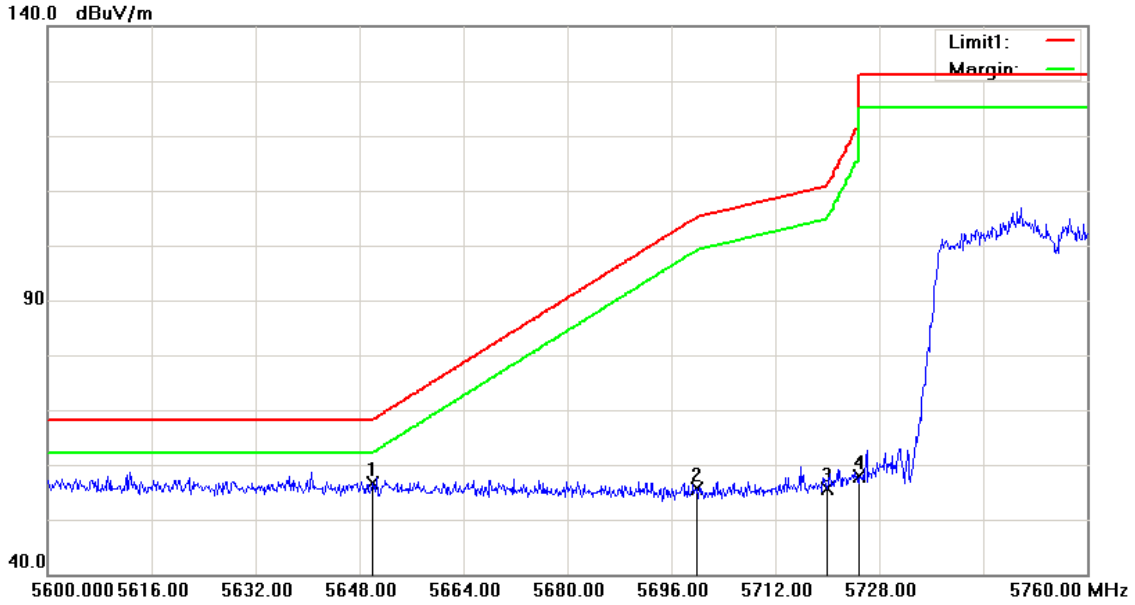
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.39	8.93	55.32	68.20	-12.88	peak
2	5700.000	45.53	9.05	54.58	105.20	-50.62	peak
3	5720.000	45.40	9.09	54.49	110.80	-56.31	peak
4	5725.000	44.63	9.11	53.74	122.20	-68.46	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



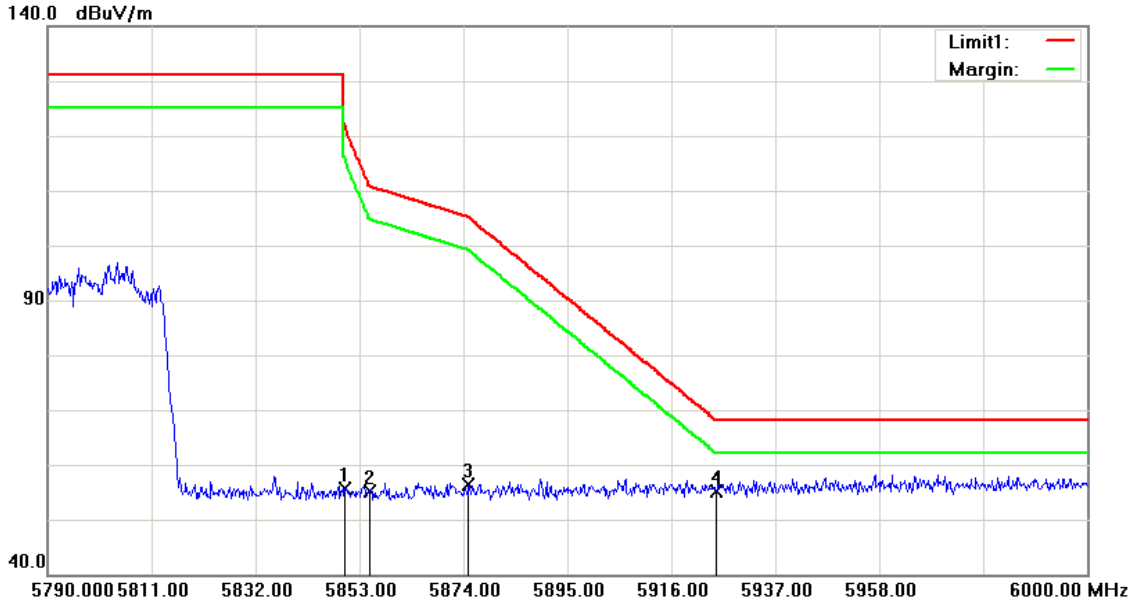
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.60	8.93	56.53	68.20	-11.67	peak
2	5700.000	46.53	9.05	55.58	105.20	-49.62	peak
3	5720.000	46.46	9.09	55.55	110.80	-55.25	peak
4	5725.000	48.72	9.11	57.83	122.20	-64.37	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



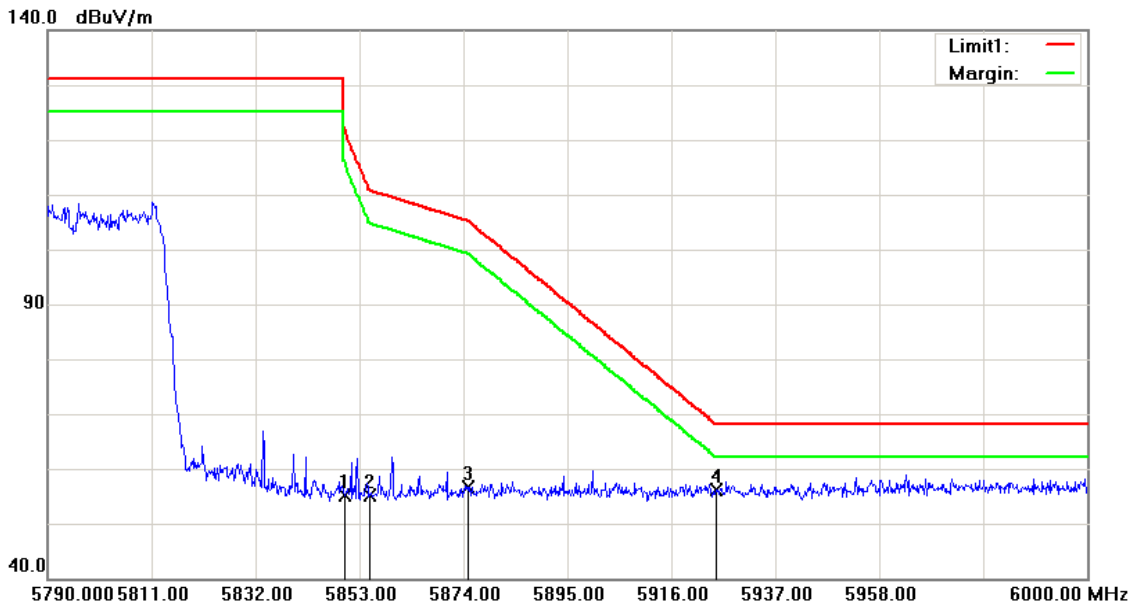
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	46.26	9.41	55.67	122.20	-66.53	peak
2	5855.000	45.61	9.43	55.04	110.80	-55.76	peak
3	5875.000	46.99	9.48	56.47	105.20	-48.73	peak
4	5925.000	45.59	9.61	55.20	68.20	-13.00	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



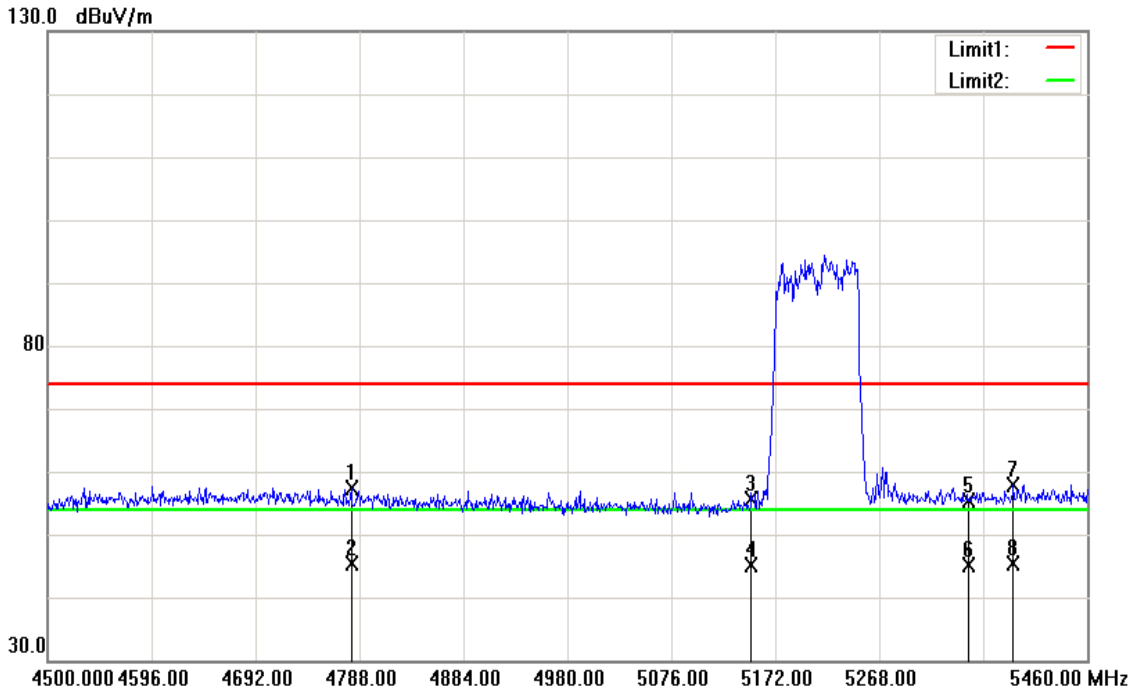
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	45.83	9.41	55.24	122.20	-66.96	peak
2	5855.000	45.59	9.43	55.02	110.80	-55.78	peak
3	5875.000	47.15	9.48	56.63	105.20	-48.57	peak
4	5925.000	46.40	9.61	56.01	68.20	-12.19	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

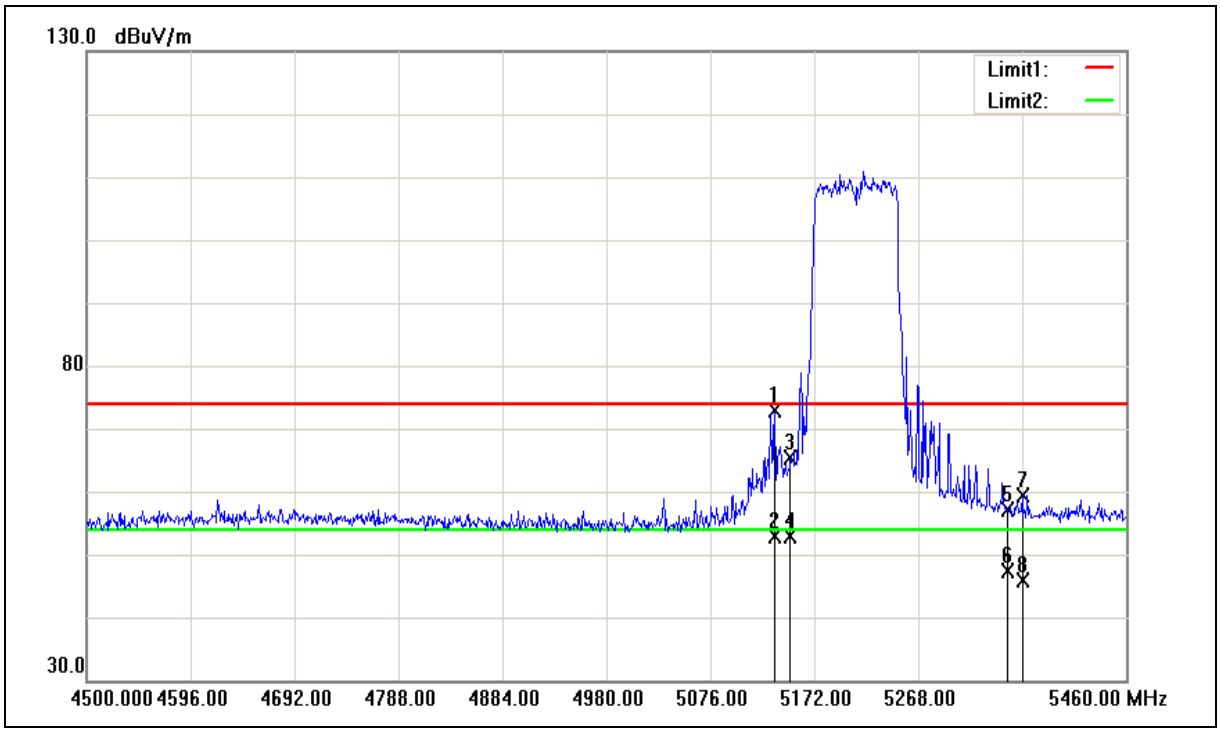
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4780.320	49.98	7.34	57.32	74.00	-16.68	peak
2	4780.320	38.07	7.34	45.41	54.00	-8.59	AVG
3	5150.000	47.34	8.25	55.59	74.00	-18.41	peak
4	5150.000	36.94	8.25	45.19	54.00	-8.81	AVG
5	5350.000	47.06	8.41	55.47	74.00	-18.53	peak
6	5350.000	36.83	8.41	45.24	54.00	-8.76	AVG
7	5391.840	49.34	8.46	57.80	74.00	-16.20	peak
8	5391.840	36.82	8.46	45.28	54.00	-8.72	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/08/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

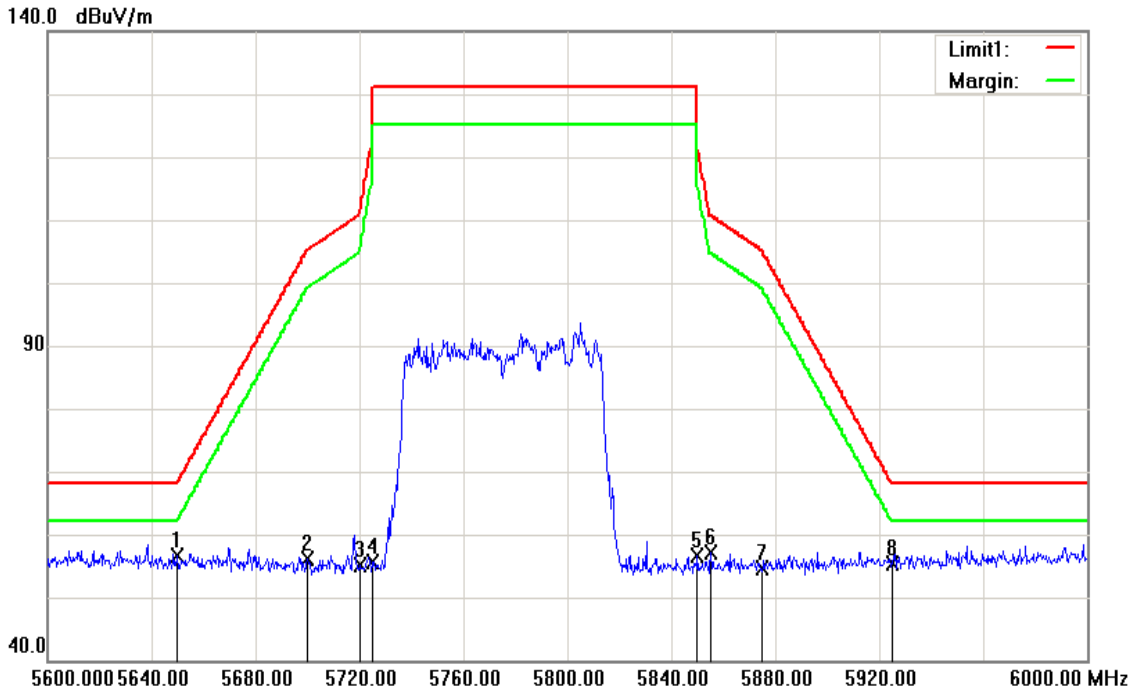
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5135.520	64.55	8.23	72.78	74.00	-1.22	peak
2	5135.520	44.73	8.23	52.96	54.00	-1.04	AVG
3	5150.000	57.11	8.25	65.36	74.00	-8.64	peak
4	5150.000	44.58	8.25	52.83	54.00	-1.17	AVG
5	5350.000	48.78	8.41	57.19	74.00	-16.81	peak
6	5350.000	39.01	8.41	47.42	54.00	-6.58	AVG
7	5364.000	51.01	8.43	59.44	74.00	-14.56	peak
8	5364.000	37.52	8.43	45.95	54.00	-8.05	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/09/2016
Ant.Polar.:	Horizontal		
Description:	Master_Antenna:CO59-510347-A		

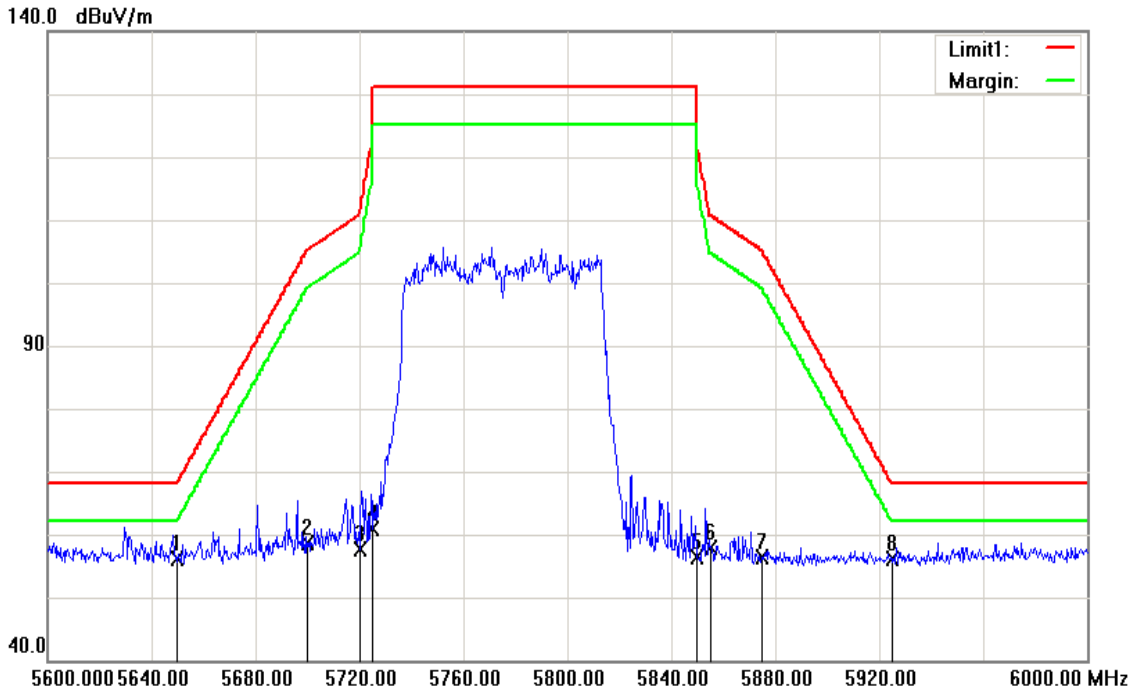
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.80	8.93	56.73	68.20	-11.47	peak
2	5700.000	47.03	9.05	56.08	105.20	-49.12	peak
3	5720.000	45.95	9.09	55.04	110.80	-55.76	peak
4	5725.000	46.53	9.11	55.64	122.20	-66.56	peak
5	5850.000	47.31	9.41	56.72	122.20	-65.48	peak
6	5855.000	47.66	9.43	57.09	110.80	-53.71	peak
7	5875.000	45.24	9.48	54.72	105.20	-50.48	peak
8	5925.000	45.84	9.61	55.45	68.20	-12.75	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/09/2016
Ant.Polar.:	Vertical		
Description:	Master_Antenna:CO59-510347-A		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	47.30	8.93	56.23	68.20	-11.97	peak
2	5700.000	49.61	9.05	58.66	105.20	-46.54	peak
3	5720.000	48.45	9.09	57.54	110.80	-53.26	peak
4	5725.000	51.84	9.11	60.95	122.20	-61.25	peak
5	5850.000	47.03	9.41	56.44	122.20	-65.76	peak
6	5855.000	48.51	9.43	57.94	110.80	-52.86	peak
7	5875.000	46.98	9.48	56.46	105.20	-48.74	peak
8	5925.000	46.45	9.61	56.06	68.20	-12.14	peak

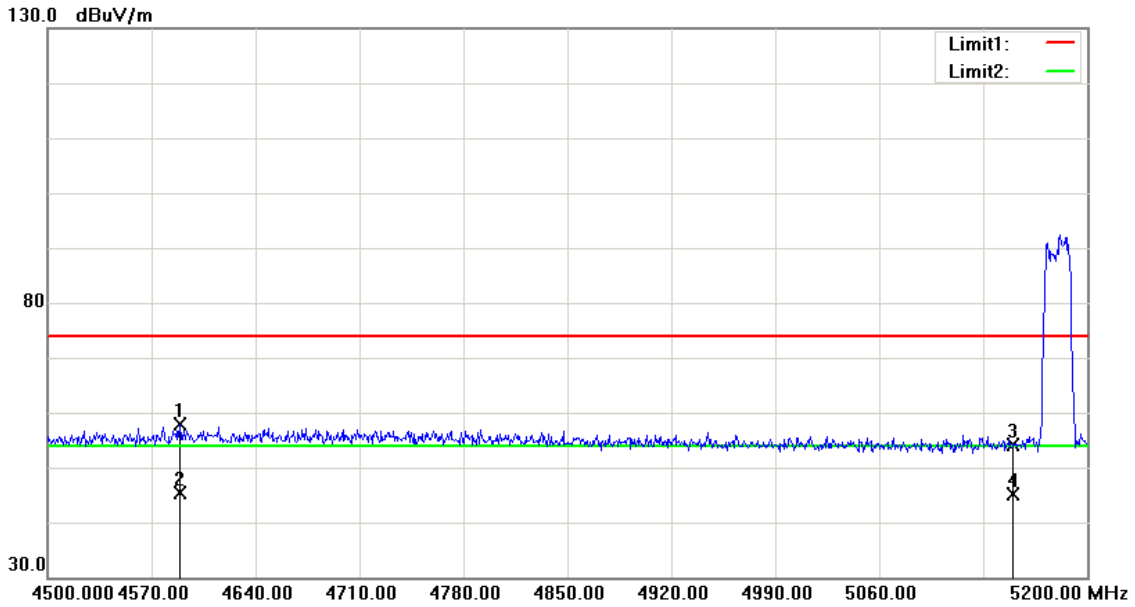
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

Module : QCA9990 (EW-7944MAC)_Client

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



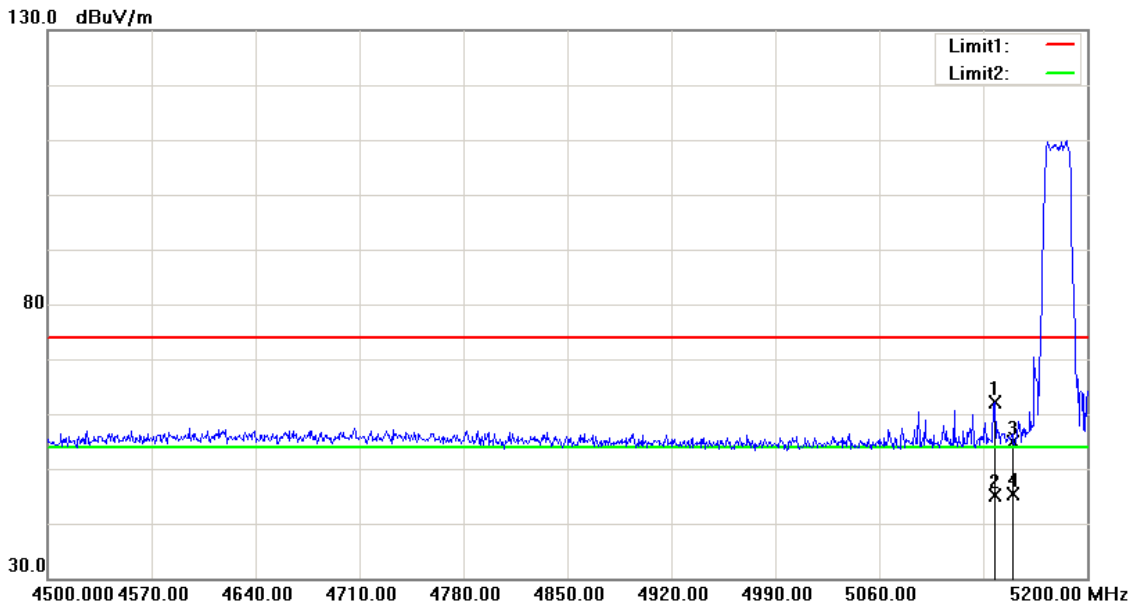
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4588.900	51.09	6.68	57.77	74.00	-16.23	peak
2	4588.900	38.71	6.68	45.39	54.00	-8.61	AVG
3	5150.000	45.95	8.25	54.20	74.00	-19.80	peak
4	5150.000	36.87	8.25	45.12	54.00	-8.88	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



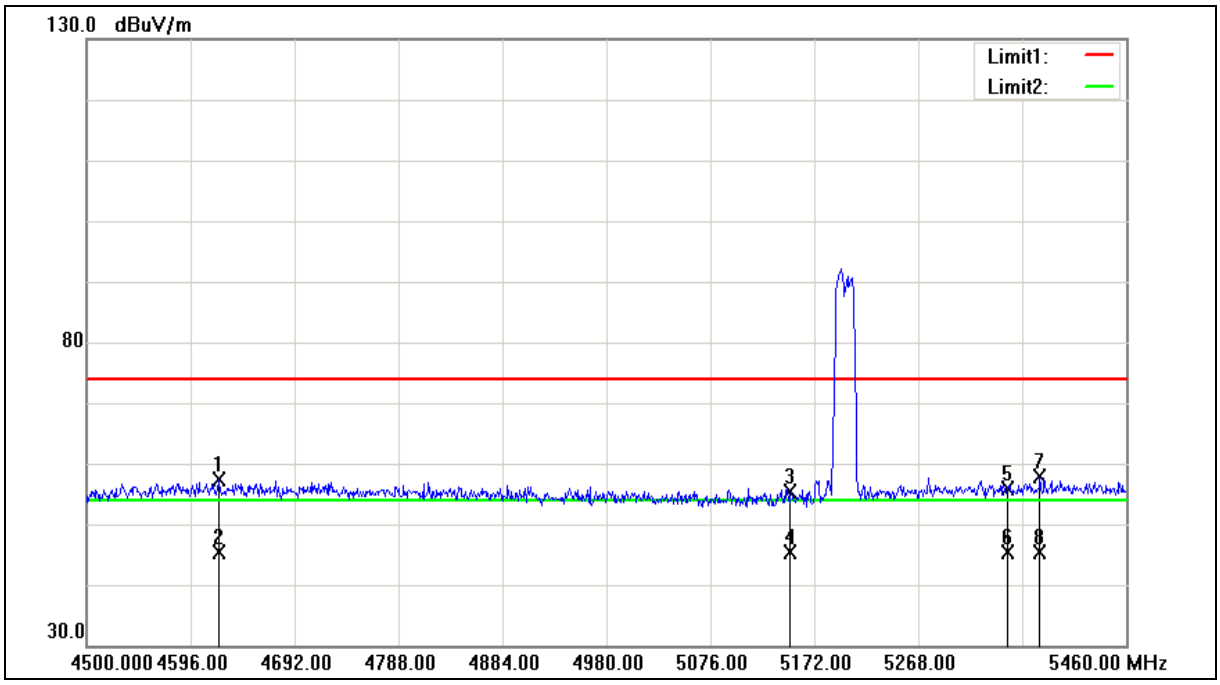
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5137.700	54.00	8.24	62.24	74.00	-11.76	peak
2	5137.700	37.01	8.24	45.25	54.00	-8.75	AVG
3	5150.000	46.69	8.25	54.94	74.00	-19.06	peak
4	5150.000	37.13	8.25	45.38	54.00	-8.62	AVG

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		

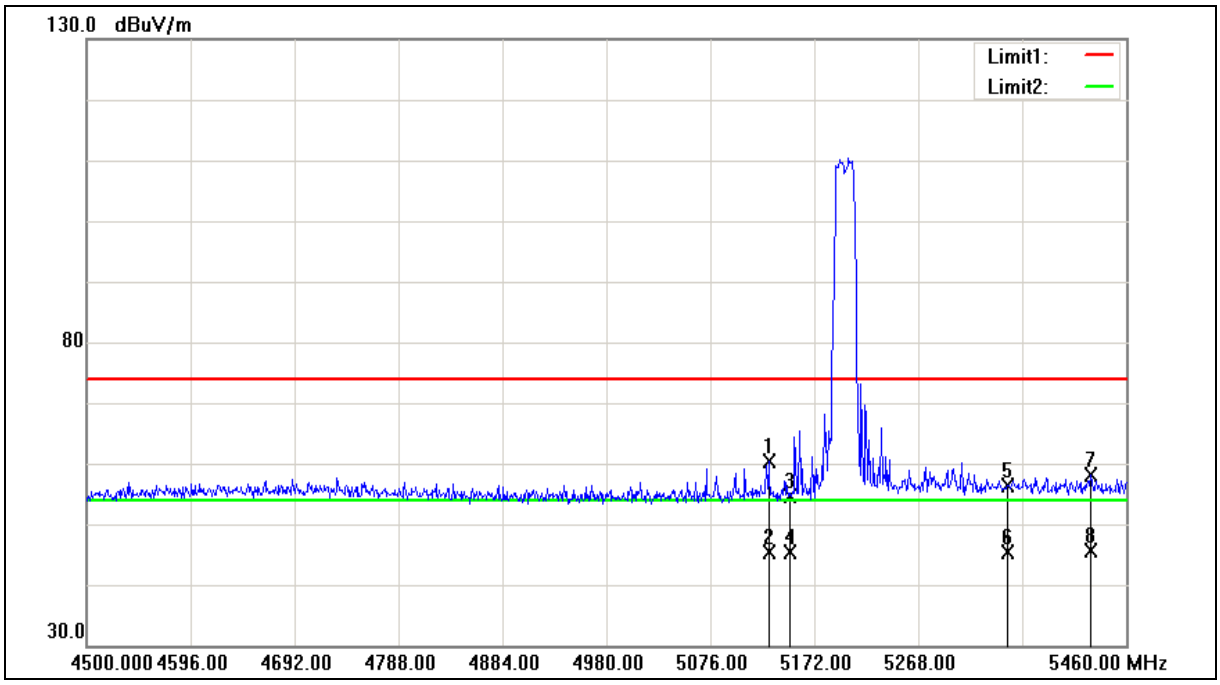
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4621.920	50.63	6.80	57.43	74.00	-16.57	peak
2	4621.920	38.48	6.80	45.28	54.00	-8.72	AVG
3	5150.000	47.09	8.25	55.34	74.00	-18.66	peak
4	5150.000	37.17	8.25	45.42	54.00	-8.58	AVG
5	5350.000	47.37	8.41	55.78	74.00	-18.22	peak
6	5350.000	36.92	8.41	45.33	54.00	-8.67	AVG
7	5380.320	49.52	8.45	57.97	74.00	-16.03	peak
8	5380.320	36.89	8.45	45.34	54.00	-8.66	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

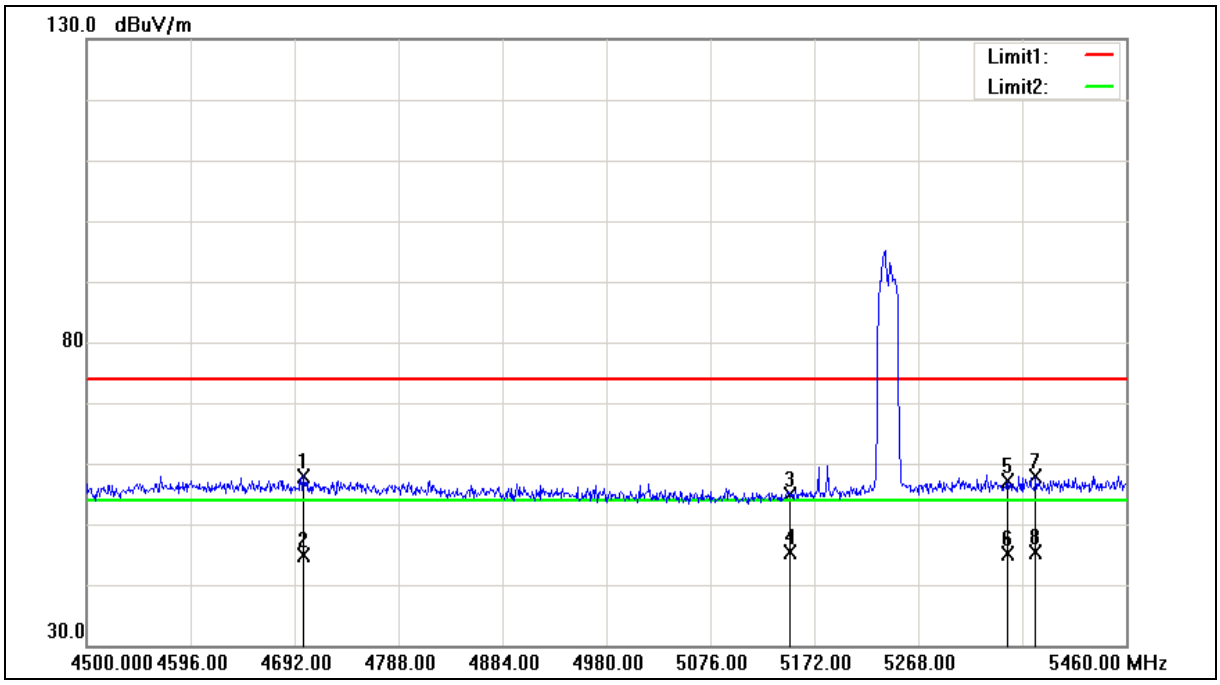
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5129.760	52.19	8.23	60.42	74.00	-13.58	peak
2	5129.760	37.09	8.23	45.32	54.00	-8.68	AVG
3	5150.000	46.34	8.25	54.59	74.00	-19.41	peak
4	5150.000	37.13	8.25	45.38	54.00	-8.62	AVG
5	5350.000	47.86	8.41	56.27	74.00	-17.73	peak
6	5350.000	36.88	8.41	45.29	54.00	-8.71	AVG
7	5427.360	49.62	8.49	58.11	74.00	-15.89	peak
8	5427.360	37.06	8.49	45.55	54.00	-8.45	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		

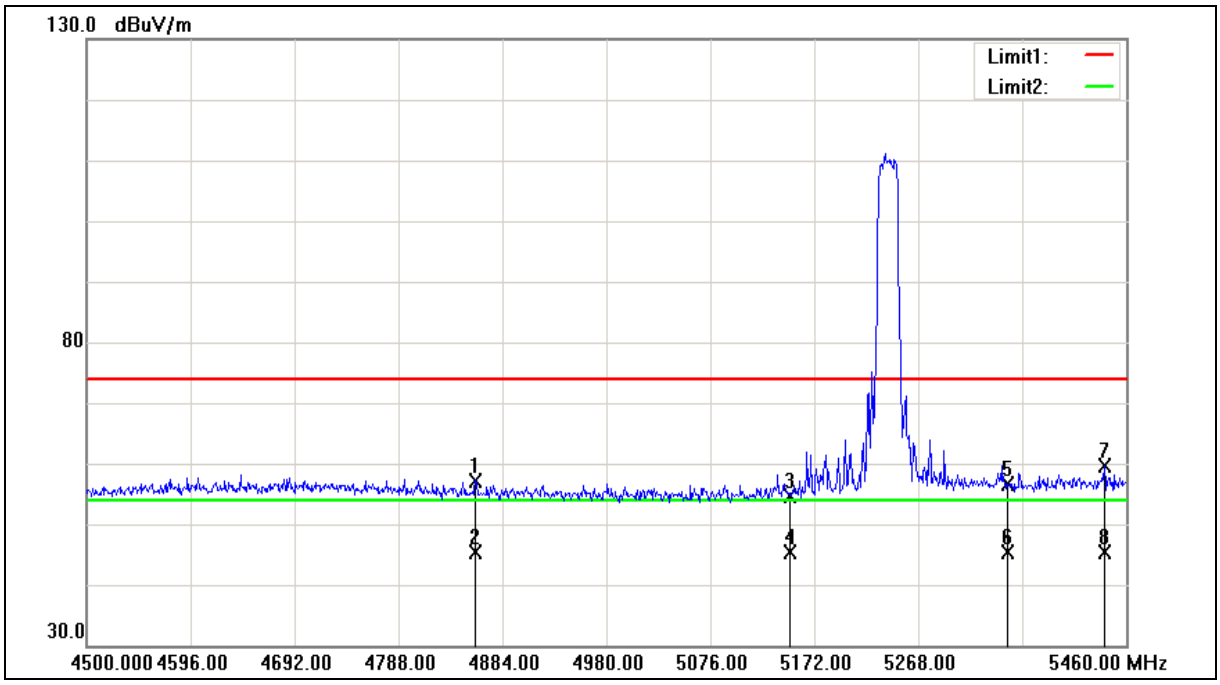
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4699.680	50.94	7.06	58.00	74.00	-16.00	peak
2	4699.680	37.91	7.06	44.97	54.00	-9.03	AVG
3	5150.000	46.71	8.25	54.96	74.00	-19.04	peak
4	5150.000	37.14	8.25	45.39	54.00	-8.61	AVG
5	5350.000	48.72	8.41	57.13	74.00	-16.87	peak
6	5350.000	36.81	8.41	45.22	54.00	-8.78	AVG
7	5376.480	49.37	8.45	57.82	74.00	-16.18	peak
8	5376.480	36.95	8.45	45.40	54.00	-8.60	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 2	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

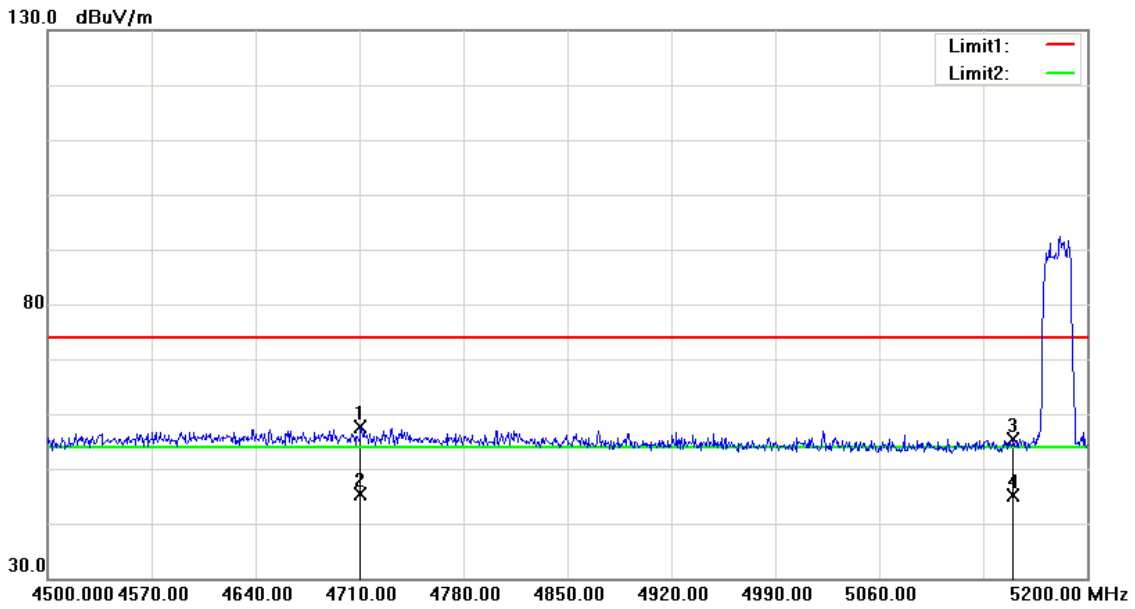
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4859.040	49.63	7.62	57.25	74.00	-16.75	peak
2	4859.040	37.77	7.62	45.39	54.00	-8.61	AVG
3	5150.000	46.48	8.25	54.73	74.00	-19.27	peak
4	5150.000	37.22	8.25	45.47	54.00	-8.53	AVG
5	5350.000	48.33	8.41	56.74	74.00	-17.26	peak
6	5350.000	36.94	8.41	45.35	54.00	-8.65	AVG
7	5439.840	51.16	8.50	59.66	74.00	-14.34	peak
8	5439.840	36.76	8.50	45.26	54.00	-8.74	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



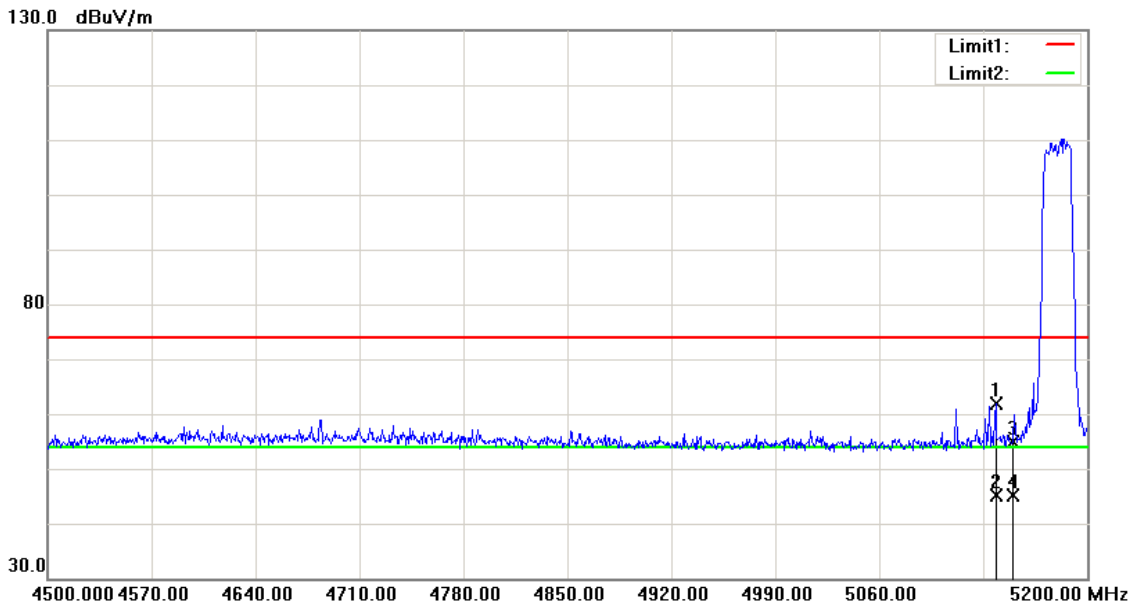
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.700	50.63	7.10	57.73	74.00	-16.27	peak
2	4710.700	38.23	7.10	45.33	54.00	-8.67	AVG
3	5150.000	47.20	8.25	55.45	74.00	-18.55	peak
4	5150.000	36.85	8.25	45.10	54.00	-8.90	AVG

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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5180MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



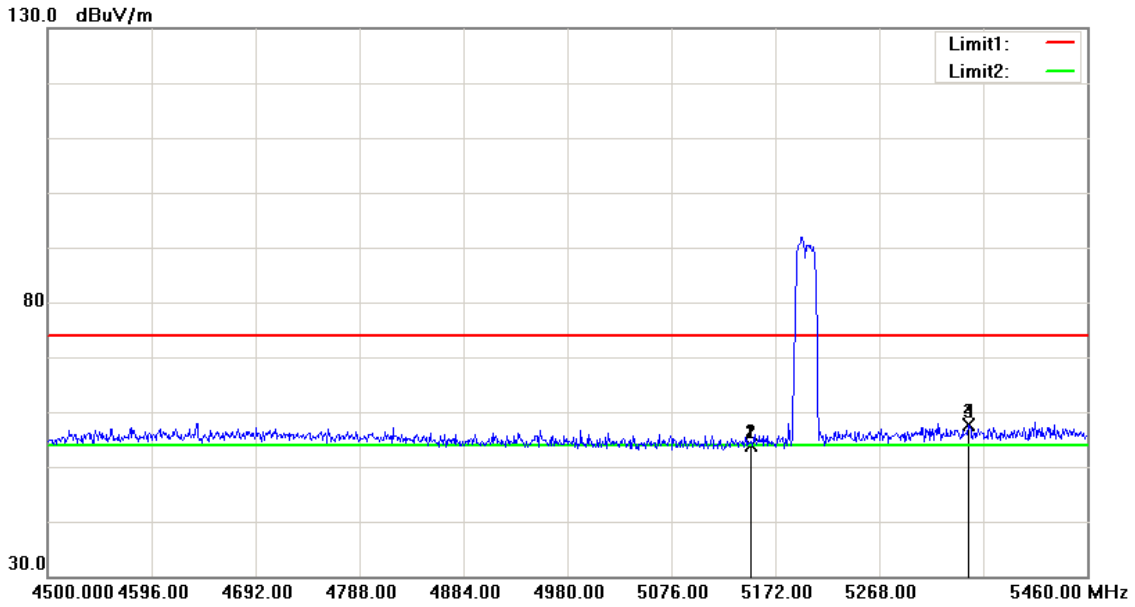
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.400	53.75	8.24	61.99	74.00	-12.01	peak
2	5138.400	36.97	8.24	45.21	54.00	-8.79	AVG
3	5150.000	46.62	8.25	54.87	74.00	-19.13	peak
4	5150.000	36.91	8.25	45.16	54.00	-8.84	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



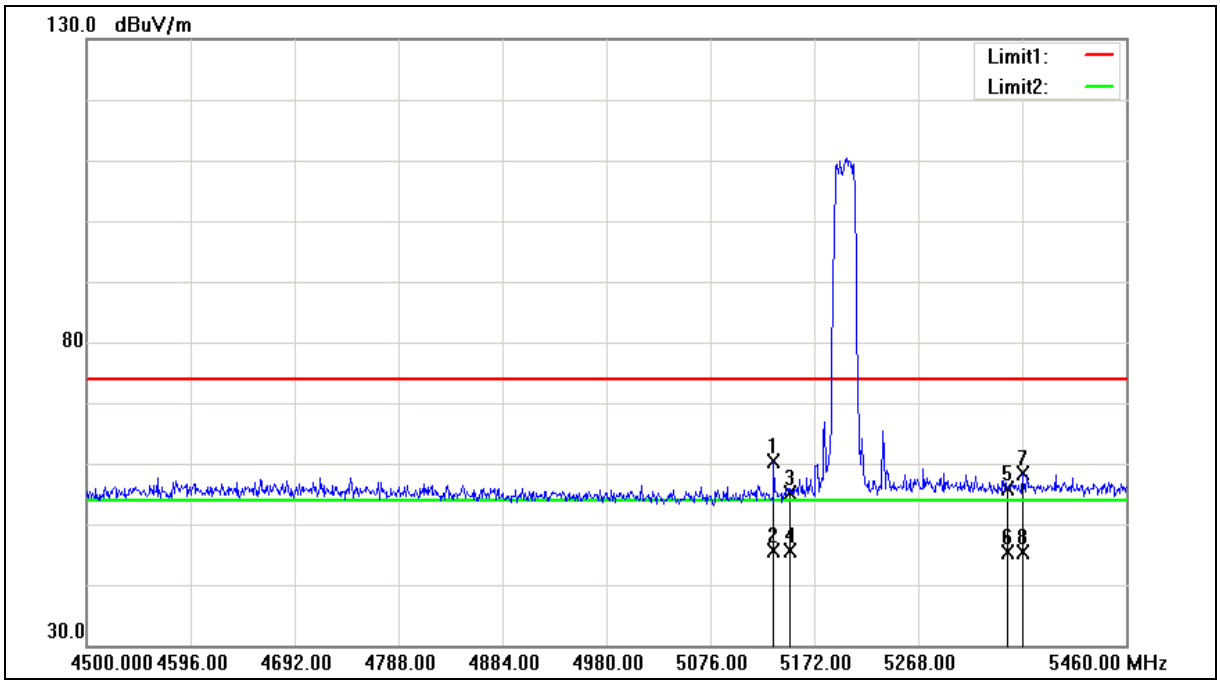
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	45.61	8.25	53.86	74.00	-20.14	peak
2	5150.000	45.61	8.25	53.86	74.00	-20.14	peak
3	5350.000	49.10	8.41	57.51	74.00	-16.49	peak
4	5350.000	49.10	8.41	57.51	74.00	-16.49	peak

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5200MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

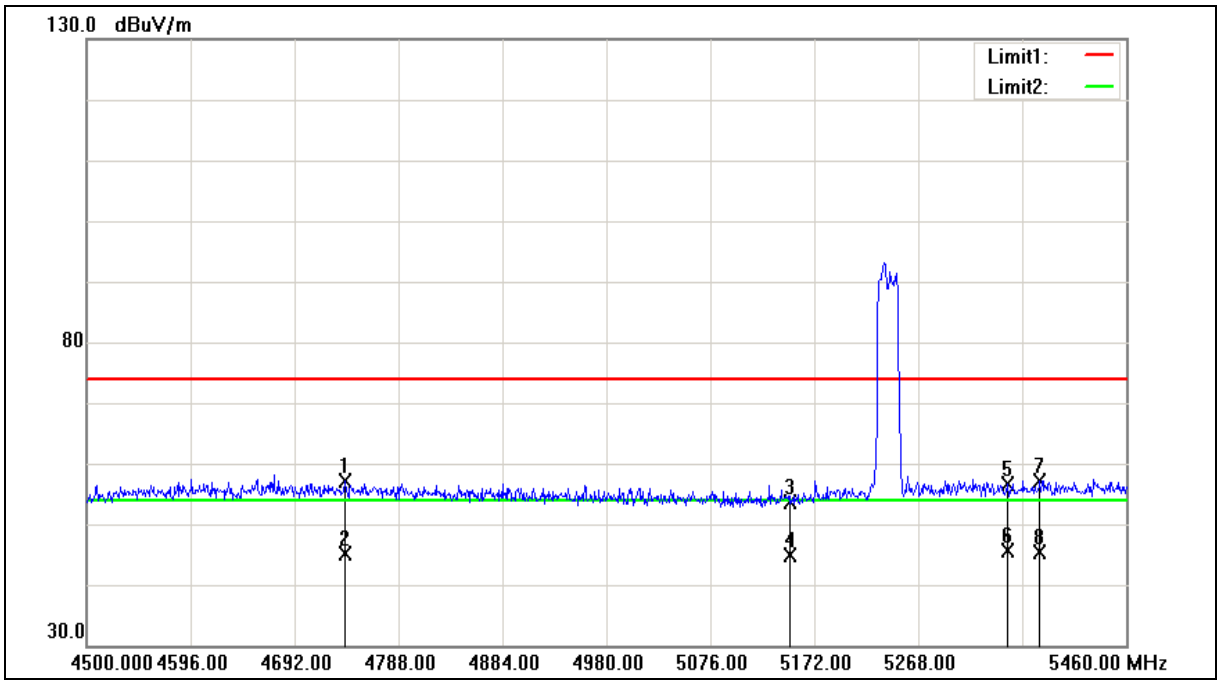
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5134.560	52.11	8.23	60.34	74.00	-13.66	peak
2	5134.560	37.30	8.23	45.53	54.00	-8.47	AVG
3	5150.000	46.92	8.25	55.17	74.00	-18.83	peak
4	5150.000	37.41	8.25	45.66	54.00	-8.34	AVG
5	5350.000	47.47	8.41	55.88	74.00	-18.12	peak
6	5350.000	36.87	8.41	45.28	54.00	-8.72	AVG
7	5364.000	49.97	8.43	58.40	74.00	-15.60	peak
8	5364.000	36.88	8.43	45.31	54.00	-8.69	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		

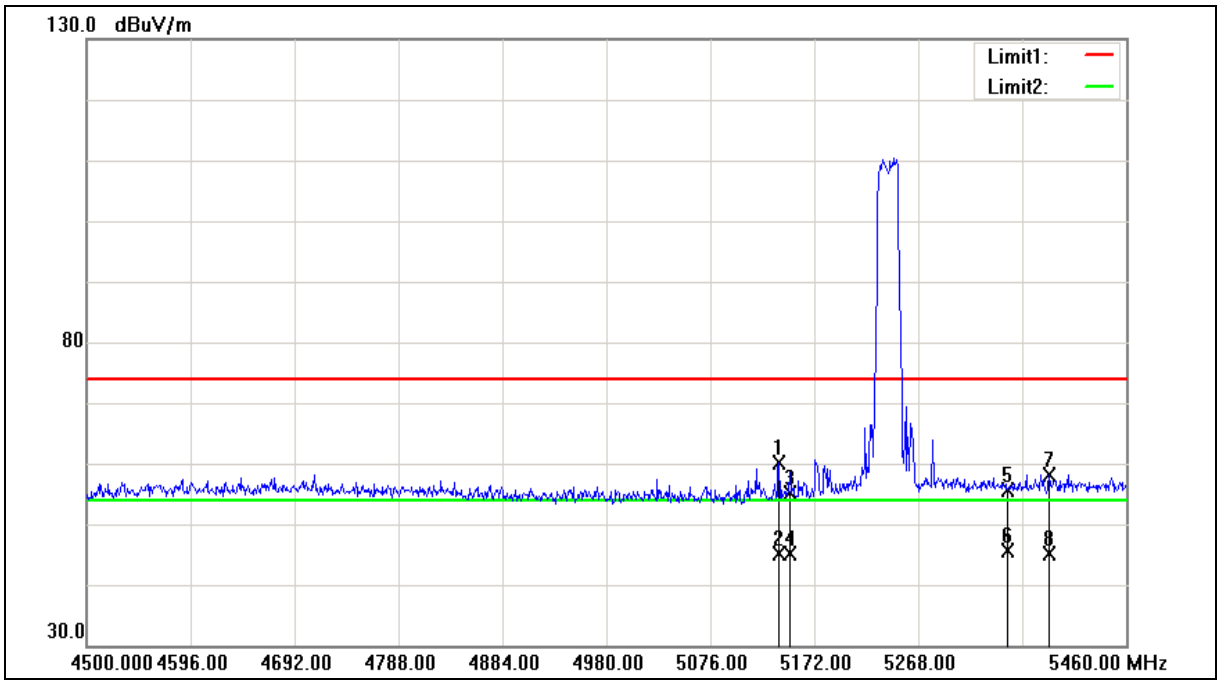
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4738.080	49.90	7.20	57.10	74.00	-16.90	peak
2	4738.080	37.89	7.20	45.09	54.00	-8.91	AVG
3	5150.000	45.35	8.25	53.60	74.00	-20.40	peak
4	5150.000	36.64	8.25	44.89	54.00	-9.11	AVG
5	5350.000	48.13	8.41	56.54	74.00	-17.46	peak
6	5350.000	37.14	8.41	45.55	54.00	-8.45	AVG
7	5380.320	48.67	8.45	57.12	74.00	-16.88	peak
8	5380.320	36.92	8.45	45.37	54.00	-8.63	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5240MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 3	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

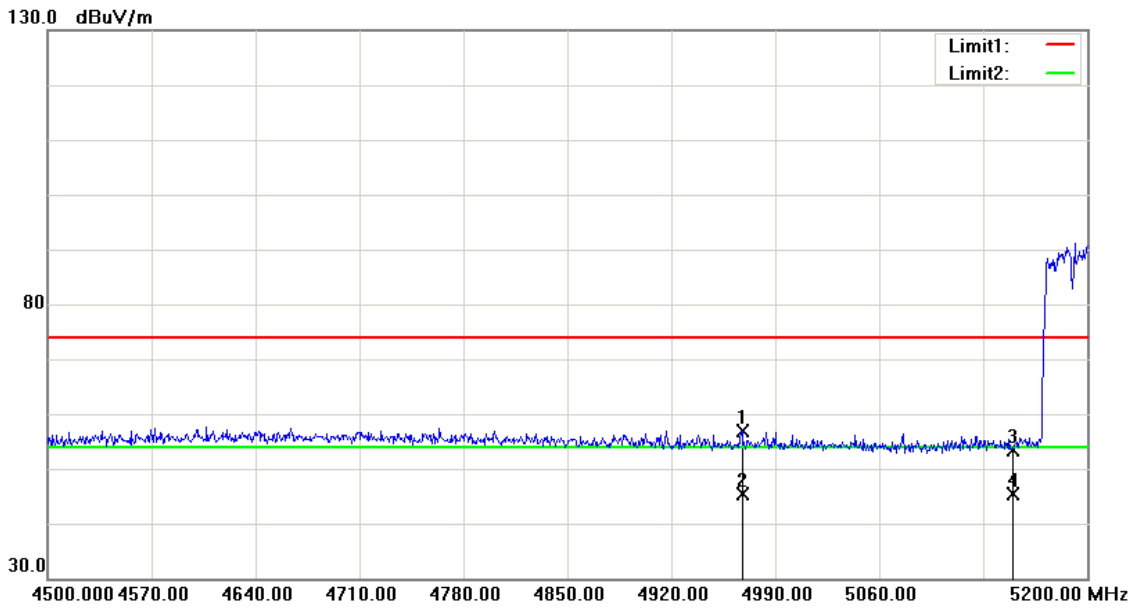
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5139.360	52.00	8.24	60.24	74.00	-13.76	peak
2	5139.360	36.93	8.24	45.17	54.00	-8.83	AVG
3	5150.000	46.85	8.25	55.10	74.00	-18.90	peak
4	5150.000	37.00	8.25	45.25	54.00	-8.75	AVG
5	5350.000	47.30	8.41	55.71	74.00	-18.29	peak
6	5350.000	37.26	8.41	45.67	54.00	-8.33	AVG
7	5388.960	49.79	8.46	58.25	74.00	-15.75	peak
8	5388.960	36.74	8.46	45.20	54.00	-8.80	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



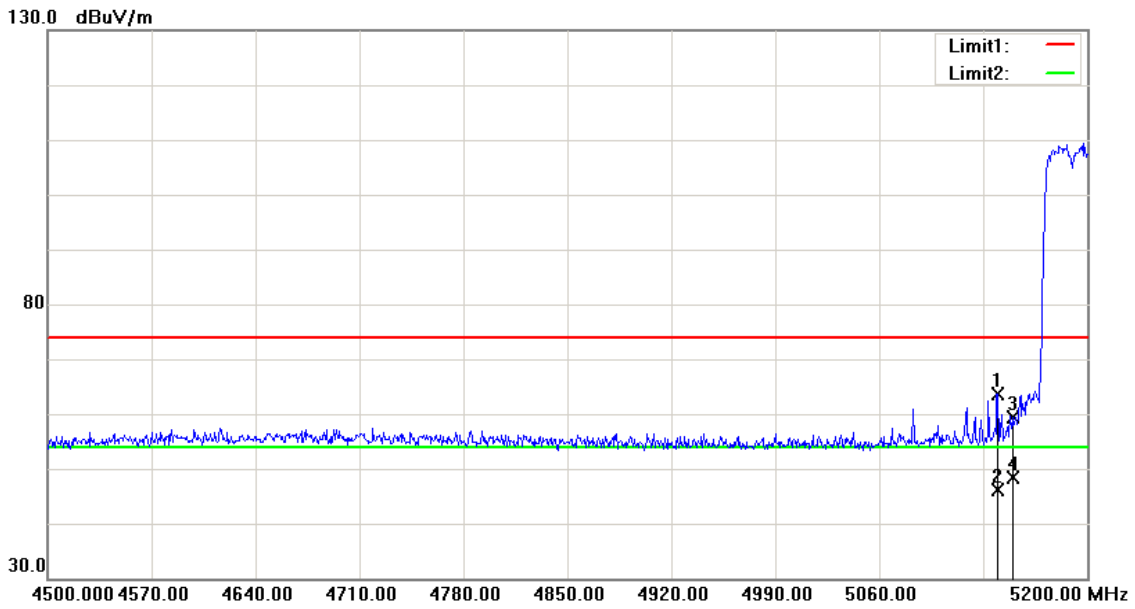
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4967.600	49.00	7.99	56.99	74.00	-17.01	peak
2	4967.600	37.32	7.99	45.31	54.00	-8.69	AVG
3	5150.000	45.25	8.25	53.50	74.00	-20.50	peak
4	5150.000	37.14	8.25	45.39	54.00	-8.61	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5190MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



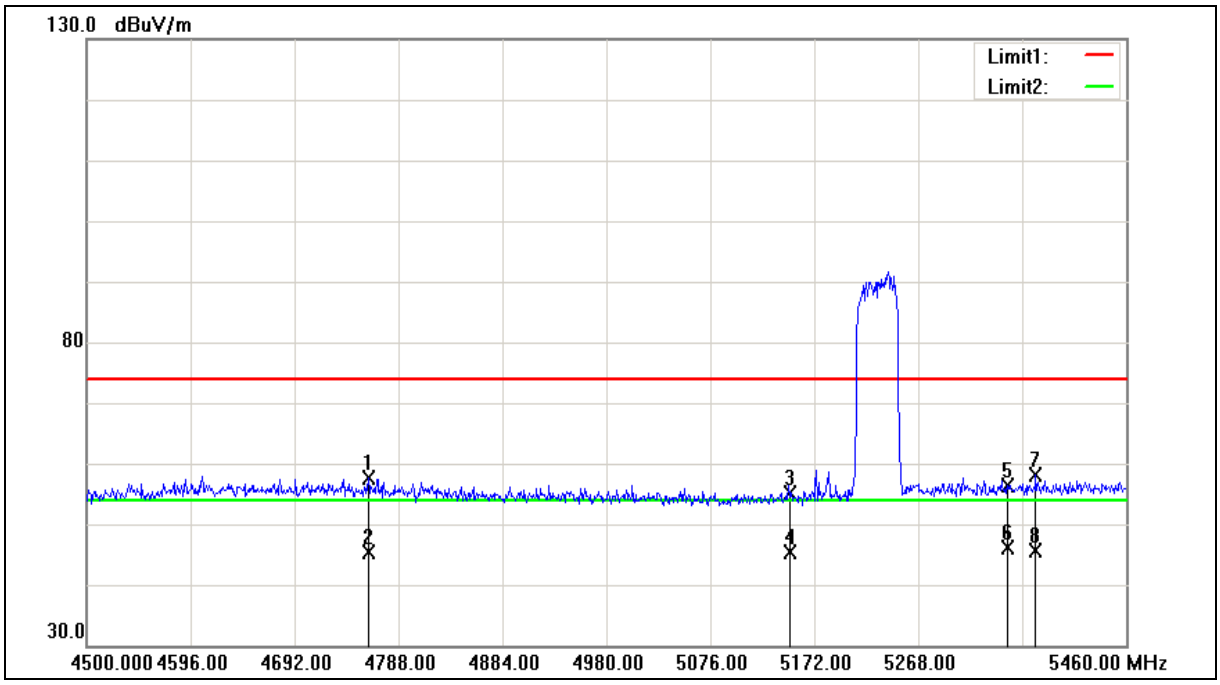
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5139.800	55.51	8.24	63.75	74.00	-10.25	peak
2	5139.800	37.96	8.24	46.20	54.00	-7.80	AVG
3	5150.000	51.15	8.25	59.40	74.00	-14.60	peak
4	5150.000	40.10	8.25	48.35	54.00	-5.65	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		

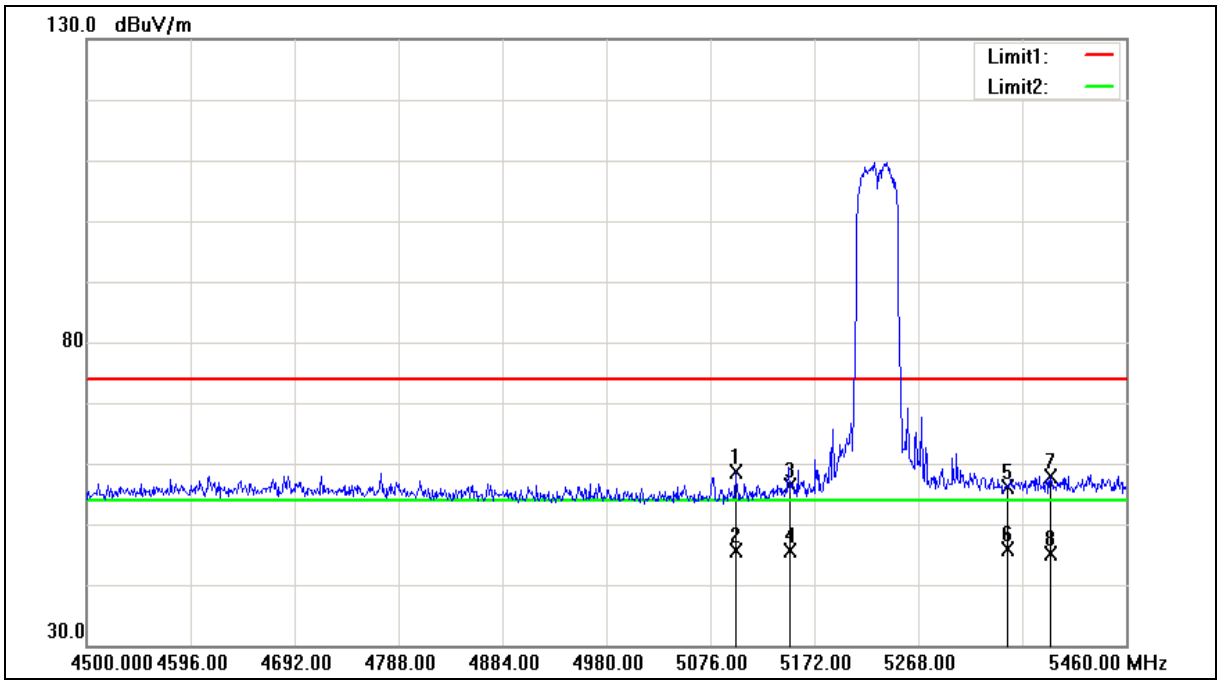
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4760.160	50.24	7.27	57.51	74.00	-16.49	peak
2	4760.160	38.10	7.27	45.37	54.00	-8.63	AVG
3	5150.000	46.84	8.25	55.09	74.00	-18.91	peak
4	5150.000	37.04	8.25	45.29	54.00	-8.71	AVG
5	5350.000	47.93	8.41	56.34	74.00	-17.66	peak
6	5350.000	37.70	8.41	46.11	54.00	-7.89	AVG
7	5376.480	49.60	8.45	58.05	74.00	-15.95	peak
8	5376.480	37.27	8.45	45.72	54.00	-8.28	AVG

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

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

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

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5230MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 4	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

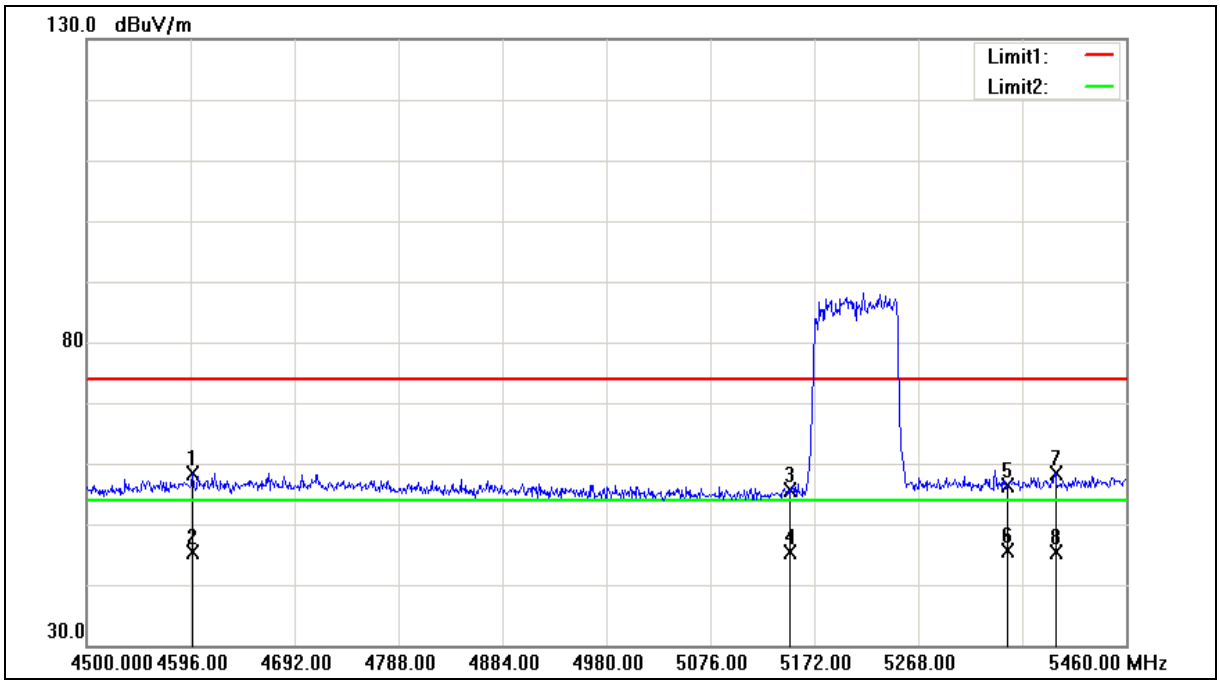
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5099.040	50.47	8.19	58.66	74.00	-15.34	peak
2	5099.040	37.34	8.19	45.53	54.00	-8.47	AVG
3	5150.000	48.04	8.25	56.29	74.00	-17.71	peak
4	5150.000	37.39	8.25	45.64	54.00	-8.36	AVG
5	5350.000	47.64	8.41	56.05	74.00	-17.95	peak
6	5350.000	37.37	8.41	45.78	54.00	-8.22	AVG
7	5389.920	49.44	8.46	57.90	74.00	-16.10	peak
8	5389.920	36.78	8.46	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Horizontal		
Description:	Client_Antenna:CO59-510347-A		

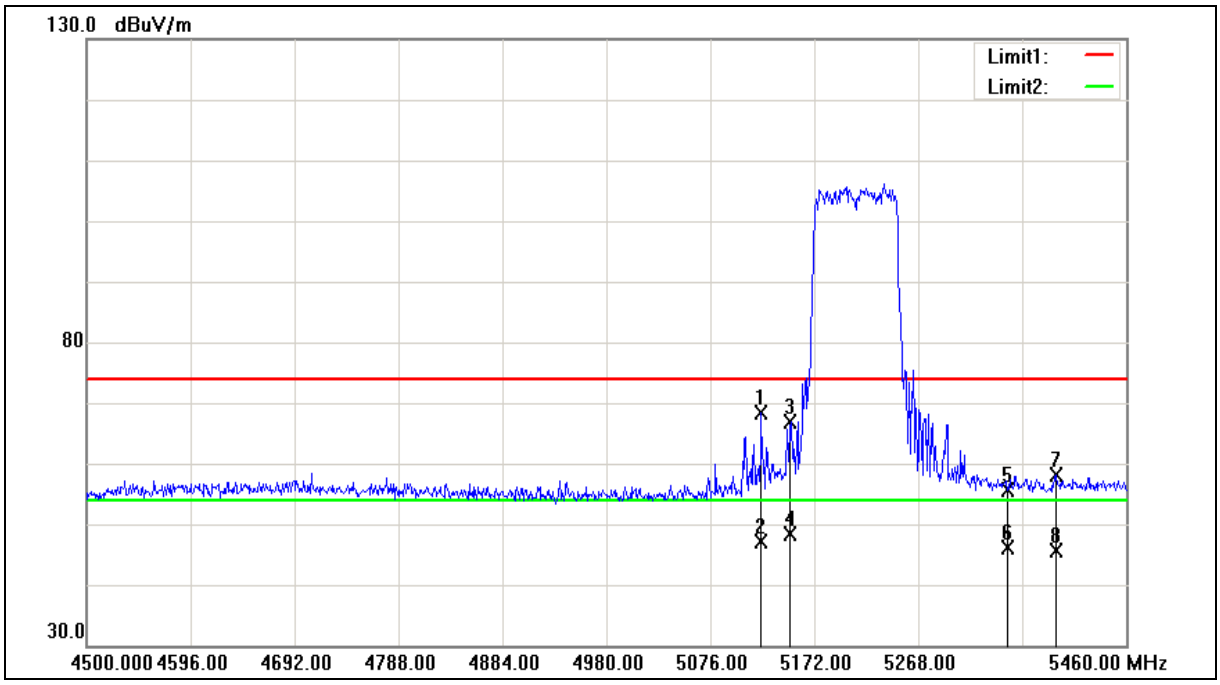
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4597.920	51.78	6.71	58.49	74.00	-15.51	peak
2	4597.920	38.55	6.71	45.26	54.00	-8.74	AVG
3	5150.000	47.31	8.25	55.56	74.00	-18.44	peak
4	5150.000	37.20	8.25	45.45	54.00	-8.55	AVG
5	5350.000	48.04	8.41	56.45	74.00	-17.55	peak
6	5350.000	37.32	8.41	45.73	54.00	-8.27	AVG
7	5394.720	49.92	8.46	58.38	74.00	-15.62	peak
8	5394.720	36.86	8.46	45.32	54.00	-8.68	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:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	Mode 5	Date:	12/16/2016
Ant.Polar.:	Vertical		
Description:	Client_Antenna:CO59-510347-A		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5123.040	60.05	8.21	68.26	74.00	-5.74	peak
2	5123.040	38.96	8.21	47.17	54.00	-6.83	AVG
3	5150.000	58.73	8.25	66.98	74.00	-7.02	peak
4	5150.000	40.15	8.25	48.40	54.00	-5.60	AVG
5	5350.000	47.17	8.41	55.58	74.00	-18.42	peak
6	5350.000	37.72	8.41	46.13	54.00	-7.87	AVG
7	5394.720	49.65	8.46	58.11	74.00	-15.89	peak
8	5394.720	37.29	8.46	45.75	54.00	-8.25	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.

4.4. Maximum Conducted Output Power Measurement

■ **Limit**

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

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

Module : QCA9984 (EW-7955MAC)

Master mode

∗ CDD mode：Max. Gain = 7 dBi > 6dBi

CDD mode power limit shall be reduced = 30 - 1 = 29 dBm

∗ MIMO mode：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 13.02 dBi > 6dBi

MIMO mode power limit shall be reduced = 30 - 7.02 = 22.98 dBm

Module : QCA9990 (EW-7944MAC)

Master mode

∗ CDD mode：Max. Gain = 6 dBi

CDD mode power limit = 30 dBm

∗ MIMO mode：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 12.02 dBi > 6dBi

MIMO mode power limit shall be reduced = 30 - 6.02 = 23.98 dBm

Client mode

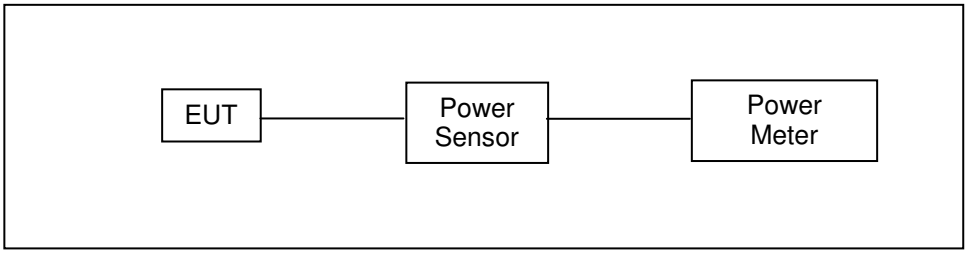
∗ CDD mode：Max. Gain = 6 dBi

CDD mode power limit = 24 dBm

∗ MIMO mode：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 12.02 dBi > 6dBi

MIMO mode power limit shall be reduced = 24 - 6.02 = 17.98 dBm

■ **Test Setup**



■ **Test Instruments**

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Power Sensor	Anritsu	MA2411B	1126022	08/29/2016	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2016	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 500	140303	02/23/2016	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ **Test Procedure**

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v01r02, 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)

■ **Test Result**

Module : QCA9984 (EW-7955MAC)

Test Mode		Mode 2: IEEE 802.11a Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6M	13.75	0.024	14.96	0.031	15.07	0.032	14.40	0.028	20.60	0.115	≤ 29
5200		13.81	0.024	15.05	0.032	15.17	0.033	14.05	0.025	20.58	0.114	
5220		13.79	0.024	15.17	0.033	15.27	0.034	14.21	0.026	20.68	0.117	
5240		13.82	0.024	15.34	0.034	15.41	0.035	14.38	0.027	**20.81**	**0.120**	
5745		6.14	0.004	7.43	0.006	7.65	0.006	5.76	0.004	12.84	0.019	≤ 29
5765		6.19	0.004	7.77	0.006	7.74	0.006	5.88	0.004	13.00	0.020	
5785		6.26	0.004	7.66	0.006	7.75	0.006	6.01	0.004	13.01	0.020	
5805		6.44	0.004	7.74	0.006	7.67	0.006	6.19	0.004	**13.09**	**0.020**	
5825		6.41	0.004	7.48	0.006	7.53	0.006	6.65	0.005	13.07	0.020	
5180	54M	13.70	0.023	14.90	0.031	15.04	0.032	14.37	0.027	20.55	0.114	≤ 29
5200		13.76	0.024	15.03	0.032	15.11	0.032	14.02	0.025	20.54	0.113	
5220		13.74	0.024	15.15	0.033	15.23	0.033	14.19	0.026	20.64	0.116	
5240		13.77	0.024	15.32	0.034	15.39	0.035	14.34	0.027	20.78	0.120	
5745		6.09	0.004	7.40	0.005	7.62	0.006	5.70	0.004	12.80	0.019	≤ 29
5765		6.18	0.004	7.76	0.006	7.73	0.006	5.85	0.004	12.99	0.020	
5785		6.21	0.004	7.60	0.006	7.71	0.006	5.97	0.004	12.96	0.020	
5805		6.40	0.004	7.68	0.006	7.62	0.006	6.14	0.004	13.04	0.020	
5825		6.35	0.004	7.45	0.006	7.51	0.006	6.63	0.005	13.03	0.020	

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

Test Mode		Mode 3: IEEE 802.11ac 20MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26M	14.35	0.027	15.22	0.033	15.24	0.033	14.46	0.028	**20.86**	**0.122**	≤ 22.98
5200		13.58	0.023	15.01	0.032	15.43	0.035	14.54	0.028	20.71	0.118	
5220		13.98	0.025	15.15	0.033	15.18	0.033	14.58	0.029	20.77	0.119	
5240		12.96	0.020	14.31	0.027	14.65	0.029	14.02	0.025	20.05	0.101	
5745		6.57	0.005	7.85	0.006	8.22	0.007	6.59	0.005	13.39	0.022	≤ 22.98
5765		6.67	0.005	8.18	0.007	8.32	0.007	6.56	0.005	13.53	0.023	
5785		6.73	0.005	8.21	0.007	8.27	0.007	6.68	0.005	**13.56**	**0.023**	
5805		6.96	0.005	8.05	0.006	8.12	0.006	6.72	0.005	13.53	0.023	
5825		6.61	0.005	7.91	0.006	8.14	0.007	7.08	0.005	13.50	0.022	
5180	312M	14.33	0.027	15.20	0.033	15.23	0.033	14.41	0.028	20.83	0.121	≤ 22.98
5200		13.73	0.024	14.97	0.031	15.37	0.034	14.51	0.028	20.71	0.118	
5220		13.93	0.025	15.14	0.033	15.16	0.033	14.54	0.028	20.74	0.119	
5240		12.91	0.020	14.25	0.027	14.59	0.029	13.98	0.025	20.00	0.100	
5745		6.54	0.005	7.81	0.006	8.17	0.007	6.53	0.004	13.35	0.022	≤ 22.98
5765		6.61	0.005	8.13	0.007	8.31	0.007	6.51	0.004	13.49	0.022	
5785		6.70	0.005	8.17	0.007	8.24	0.007	6.63	0.005	13.52	0.023	
5805		6.91	0.005	8.03	0.006	8.08	0.006	6.70	0.005	13.50	0.022	
5825		6.59	0.005	7.86	0.006	8.12	0.006	7.04	0.005	13.47	0.022	

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

Test Mode		Mode 4: IEEE 802.11ac 40MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54M	10.06	0.010	11.21	0.013	11.50	0.014	10.58	0.011	16.89	0.049	≤ 22.98
5230		15.07	0.032	16.55	0.045	16.38	0.043	15.78	0.038	**22.00**	**0.159**	
5755		7.46	0.006	8.75	0.007	9.13	0.008	7.54	0.006	14.30	0.027	≤ 22.98
5795		8.37	0.007	9.76	0.009	9.96	0.010	8.60	0.007	**15.25**	**0.033**	
5190	720M	10.02	0.010	11.17	0.013	11.47	0.014	10.53	0.011	16.85	0.048	≤ 22.98
5230		15.02	0.032	16.52	0.045	16.34	0.043	15.73	0.037	21.96	0.157	
5755		7.45	0.006	8.72	0.007	9.10	0.008	7.53	0.006	14.28	0.027	≤ 22.98
5795		8.35	0.007	9.75	0.009	9.90	0.010	8.55	0.007	15.21	0.033	

Test Mode		Mode 5: IEEE 802.11ac 80MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2M	6.64	0.005	7.88	0.006	8.54	0.007	7.56	0.006	**13.73**	**0.024**	≤ 22.98
5775		11.03	0.013	12.31	0.017	12.55	0.018	11.10	0.013	**17.82**	**0.061**	≤ 22.98
5210	1560M	6.61	0.005	7.85	0.006	8.52	0.007	7.55	0.006	13.71	0.023	≤ 22.98
5775		11.02	0.013	12.28	0.017	12.53	0.018	11.09	0.013	17.80	0.060	≤ 22.98

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

Module : QCA9990 (EW-7944MAC)_Master

Test Mode		Mode 2: IEEE 802.11a Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6M	15.01	0.032	16.19	0.042	15.66	0.037	15.19	0.033	21.56	0.143	≤ 30
5200		15.00	0.032	16.09	0.041	15.59	0.036	14.20	0.026	21.30	0.135	
5220		15.05	0.032	16.08	0.041	15.55	0.036	15.17	0.033	21.50	0.141	
5240		15.15	0.033	16.22	0.042	15.62	0.036	15.34	0.034	**21.62**	**0.145**	
5745		7.93	0.006	9.59	0.009	9.63	0.009	8.91	0.008	15.09	0.032	≤ 30
5765		7.81	0.006	9.64	0.009	9.69	0.009	8.90	0.008	15.09	0.032	
5785		7.99	0.006	9.69	0.009	9.60	0.009	8.98	0.008	15.14	0.033	
5805		8.13	0.007	9.68	0.009	9.47	0.009	9.05	0.008	15.14	0.033	
5825		8.72	0.007	10.32	0.011	9.61	0.009	9.35	0.009	**15.56**	**0.036**	
5180	54M	14.87	0.031	16.01	0.040	15.63	0.037	15.00	0.032	21.42	0.139	≤ 30
5200		14.98	0.031	16.05	0.040	15.55	0.036	14.14	0.026	21.26	0.134	
5220		14.91	0.031	15.99	0.040	15.46	0.035	14.99	0.032	21.38	0.137	
5240		15.08	0.032	16.12	0.041	15.56	0.036	15.26	0.034	21.54	0.143	
5745		7.88	0.006	9.52	0.009	9.44	0.009	8.88	0.008	15.00	0.032	≤ 30
5765		7.72	0.006	9.51	0.009	9.57	0.009	8.85	0.008	14.99	0.032	
5785		7.83	0.006	9.64	0.009	9.48	0.009	8.86	0.008	15.03	0.032	
5805		8.07	0.006	9.56	0.009	9.33	0.009	8.96	0.008	15.04	0.032	
5825		8.69	0.007	10.27	0.011	9.50	0.009	9.31	0.009	15.50	0.035	

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

Test Mode		Mode 3: IEEE 802.11ac 20MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26M	14.97	0.031	16.15	0.041	15.65	0.037	14.92	0.031	21.47	0.140	≤ 23.98
5200		14.89	0.031	17.18	0.052	15.59	0.036	16.02	0.040	22.02	0.159	
5220		16.46	0.044	17.64	0.058	17.11	0.051	16.53	0.045	22.98	0.199	
5240		16.56	0.045	17.66	0.058	17.15	0.052	16.57	0.045	**23.03**	**0.201**	
5745		8.04	0.006	9.60	0.009	9.81	0.010	9.28	0.008	15.25	0.034	≤ 23.98
5765		7.92	0.006	9.59	0.009	9.85	0.010	9.21	0.008	15.22	0.033	
5785		8.49	0.007	10.19	0.010	10.28	0.011	9.71	0.009	15.74	0.038	
5805		8.60	0.007	10.25	0.011	10.23	0.011	10.34	0.011	15.93	0.039	
5825		9.33	0.009	10.99	0.013	10.50	0.011	10.26	0.011	**16.33**	**0.043**	
5180	312M	14.97	0.031	16.15	0.041	15.65	0.037	14.92	0.031	21.47	0.140	≤ 23.98
5200		14.89	0.031	17.18	0.052	15.59	0.036	16.02	0.040	22.02	0.159	
5220		16.46	0.044	17.64	0.058	17.11	0.051	16.53	0.045	22.98	0.199	
5240		16.56	0.045	17.66	0.058	17.15	0.052	16.57	0.045	23.03	0.201	
5745		8.04	0.006	9.60	0.009	9.81	0.010	9.28	0.008	15.25	0.034	≤ 23.98
5765		7.92	0.006	9.59	0.009	9.85	0.010	9.21	0.008	15.22	0.033	
5785		8.49	0.007	10.19	0.010	10.28	0.011	9.71	0.009	15.74	0.038	
5805		8.60	0.007	10.25	0.011	10.23	0.011	10.34	0.011	15.93	0.039	
5825		9.33	0.009	10.99	0.013	10.50	0.011	10.26	0.011	16.33	0.043	

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

Test Mode		Mode 4: IEEE 802.11ac 40MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54M	14.56	0.029	15.89	0.039	15.66	0.037	15.04	0.032	21.34	0.136	≤ 23.98
5230		17.05	0.051	18.27	0.067	17.85	0.061	17.65	0.058	**23.75**	**0.237**	
5755		8.61	0.007	10.05	0.010	10.32	0.011	9.74	0.009	15.75	0.038	≤ 23.98
5795		11.49	0.014	12.50	0.018	12.72	0.019	12.58	0.018	**18.37**	**0.069**	
5190	720M	14.48	0.028	15.85	0.038	15.64	0.037	14.92	0.031	21.28	0.134	≤ 23.98
5230		16.95	0.050	18.16	0.065	17.73	0.059	17.48	0.056	23.62	0.230	
5755		8.45	0.007	9.95	0.010	10.17	0.010	9.58	0.009	15.61	0.036	≤ 23.98
5795		11.35	0.014	12.35	0.017	12.56	0.018	12.42	0.017	18.22	0.066	

Test Mode		Mode 5: IEEE 802.11ac 80MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2M	16.75	0.047	18.26	0.067	17.72	0.059	17.48	0.056	**23.61**	**0.229**	≤ 23.98
5775		11.64	0.015	12.92	0.020	13.06	0.020	12.78	0.019	**18.66**	**0.073**	≤ 23.98
5210	1560M	16.67	0.046	18.20	0.066	17.52	0.056	17.43	0.055	23.51	0.224	≤ 23.98
5775		11.56	0.014	12.88	0.019	13.00	0.020	12.62	0.018	18.57	0.072	≤ 23.98

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

Module : QCA9990 (EW-7944MAC)_Client

Test Mode		Mode 2: IEEE 802.11a Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	6M	9.36	0.009	10.32	0.011	9.73	0.009	9.13	0.008	15.68	0.037	≤ 24
5200		9.38	0.009	10.36	0.011	9.70	0.009	9.27	0.008	15.72	0.037	
5220		9.41	0.009	10.34	0.011	9.66	0.009	9.29	0.008	15.72	0.037	
5240		9.51	0.009	10.41	0.011	9.62	0.009	9.36	0.009	**15.77**	**0.038**	
5180	54M	9.26	0.008	10.21	0.010	9.69	0.009	9.06	0.008	15.60	0.036	≤ 24
5200		9.27	0.008	10.20	0.010	9.57	0.009	9.13	0.008	15.58	0.036	
5220		9.39	0.009	10.25	0.011	9.51	0.009	9.15	0.008	15.62	0.036	
5240		9.49	0.009	10.36	0.011	9.50	0.009	9.34	0.009	15.71	0.037	

Test Mode		Mode 3: IEEE 802.11ac 20MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5180	26M	9.33	0.009	10.29	0.011	9.76	0.009	9.01	0.008	15.64	0.037	≤ 17.98
5200		9.34	0.009	10.34	0.011	9.75	0.009	9.07	0.008	15.67	0.037	
5220		9.44	0.009	10.31	0.011	9.69	0.009	9.19	0.008	15.70	0.037	
5240		9.47	0.009	10.33	0.011	9.68	0.009	9.34	0.009	**15.74**	**0.038**	
5180	312M	9.25	0.008	10.19	0.010	9.65	0.009	8.96	0.008	15.56	0.036	≤ 17.98
5200		9.26	0.008	10.24	0.011	9.73	0.009	9.00	0.008	15.60	0.036	
5220		9.40	0.009	10.31	0.011	9.65	0.009	9.04	0.008	15.65	0.037	
5240		9.32	0.009	10.25	0.011	9.65	0.009	9.23	0.008	15.65	0.037	

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

Test Mode		Mode 4: IEEE 802.11ac 40MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5190	54M	10.92	0.012	12.33	0.017	11.93	0.016	11.38	0.014	17.69	0.059	≤ 17.98
5230		11.00	0.013	12.39	0.017	11.89	0.015	11.64	0.015	**17.78**	**0.060**	
5190	720M	10.78	0.012	12.30	0.017	11.82	0.015	11.28	0.013	17.60	0.058	≤ 17.98
5230		10.84	0.012	12.26	0.017	11.73	0.015	11.59	0.014	17.65	0.058	

Test Mode		Mode 5: IEEE 802.11ac 80MHz Link Mode										
Frequency (MHz)	Data Rate	Max. Output Power										FCC Limit (dBm)
		ANT-0		ANT-1		ANT-2		ANT-3		ANT-0+1+2+3		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5210	117.2M	10.99	0.013	12.36	0.017	11.76	0.015	11.67	0.015	**17.74**	**0.059**	≤ 17.98
5210	1560M	10.93	0.012	12.30	0.017	11.71	0.015	11.62	0.015	17.69	0.059	≤ 17.98

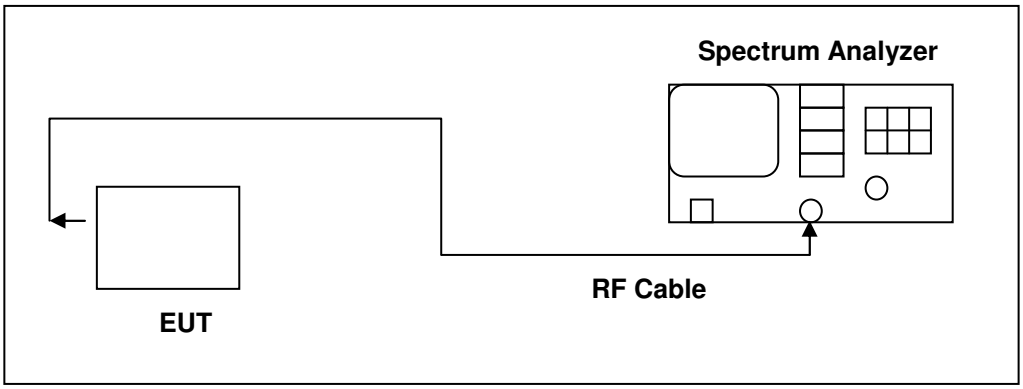
Note: The relevant measured result has the offset with cable loss already.

4.5. 26dB RF Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Instruments**

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/15/2015	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 500	140303	02/23/2016	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ **Test Procedure**

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v01r02, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

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

■ **Test Result**

Module : QCA9984 (EW-7955MAC)

Test Mode	Mode 2: IEEE 802.11a Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	19.900	20.100	19.250	19.430
5200	19.750	19.600	19.230	19.690
5240	19.670	19.260	19.130	19.450

Test Mode	Mode 3: IEEE 802.11ac 20MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	20.530	20.440	20.430	20.320
5200	20.460	20.380	20.390	20.370
5240	20.350	20.260	20.280	20.310

Test Mode	Mode 4: IEEE 802.11ac 40MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	40.700	40.520	40.060	40.110
5230	40.370	40.320	40.270	40.160

Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	80.150	80.080	80.470	80.170

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

Module : QCA9990 (EW-7944MAC)_Master

Test Mode	Mode 2: IEEE 802.11a Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	19.080	19.290	19.050	18.780
5200	19.140	19.340	19.070	18.700
5240	19.030	19.080	19.160	18.790

Test Mode	Mode 3: IEEE 802.11ac 20MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	20.080	20.390	20.080	19.940
5200	19.940	20.350	20.210	19.730
5240	19.820	20.190	20.320	19.820

Test Mode	Mode 4: IEEE 802.11ac 40MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	40.040	40.250	39.960	39.700
5230	40.090	40.130	39.950	40.150

Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	86.160	83.970	84.180	84.940

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

Module : QCA9990 (EW-7944MAC)_Client

Test Mode	Mode 2: IEEE 802.11a Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	19.150	19.270	19.070	18.840
5200	19.150	19.130	19.170	18.740
5240	19.060	19.200	19.160	18.740

Test Mode	Mode 3: IEEE 802.11ac 20MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5180	20.110	20.230	20.180	19.860
5200	20.090	20.150	20.140	19.880
5240	19.930	20.100	20.250	19.880

Test Mode	Mode 4: IEEE 802.11ac 40MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5190	40.060	40.350	39.940	40.080
5230	39.950	39.730	40.080	40.190

Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Frequency (MHz)	26dB Bandwidth (MHz)			
	ANT-0	ANT-1	ANT-2	ANT-3
5210	84.270	83.880	84.210	84.910

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

■ **Test Graphs**

Module : QCA9984 (EW-7955MAC)

Mode 2: IEEE 802.11a Link Mode	
ANT-0	
5180 MHz	
5200 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-0	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-0	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-0	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-1	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-1	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-2	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-2	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-3	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-3	
5210 MHz	

Module : QCA9990 (EW-7944MAC)_Master

Mode 2: IEEE 802.11a Link Mode	
ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-0	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-0	
5210 MHz	

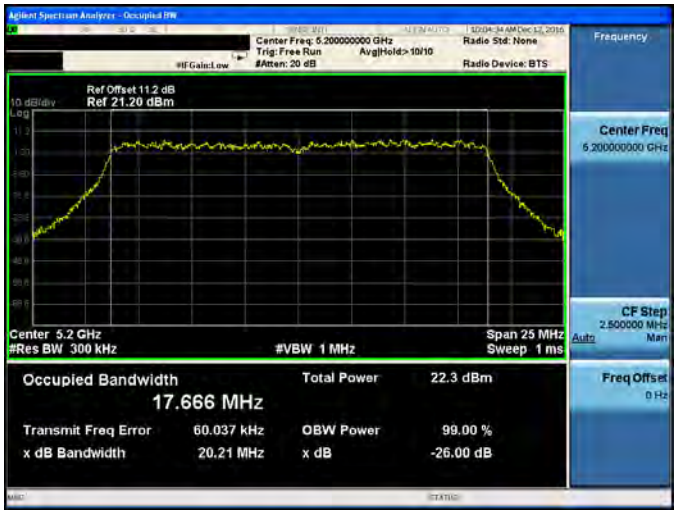
Mode 2: IEEE 802.11a Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-1	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-1	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-2	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-2	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-3	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-3	
5210 MHz	

Module : QCA9990 (EW-7944MAC)_Client

Mode 2: IEEE 802.11a Link Mode	
ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-0	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-0	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-0	
5210 MHz	

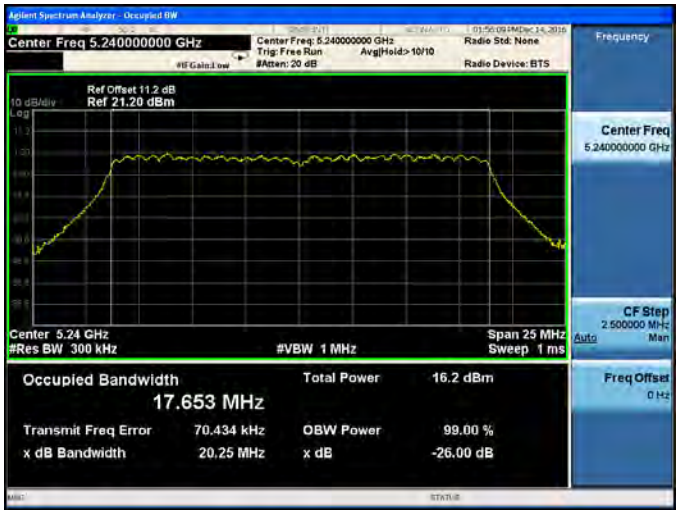
Mode 2: IEEE 802.11a Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-1	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-1	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-1	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-2	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-2	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-2	
5210 MHz	

Mode 2: IEEE 802.11a Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 3: IEEE 802.11ac 20MHz Link Mode	
ANT-3	
5180 MHz	
5200 MHz	
5240 MHz	

Mode 4: IEEE 802.11ac 40MHz Link Mode	
ANT-3	
5190 MHz	
5230 MHz	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
ANT-3	
5210 MHz	