



Test Report No.:
FCC2022-0064-RF6

RF Test Report

EUT : SAGA
MODEL : OV1
BRAND NAME : 
APPLICANT : OSOM Products Inc.
Classification Of Test : N/A

CVC Testing Technology Co., Ltd.



Applicant		Name: OSOM Products Inc. Address: 21701 Stevens Creek Blvd #2270, Cupertino, CA 95015, USA	
Manufacturer		Name: OSOM Products Inc. Address: 21701 Stevens Creek Blvd #2270, Cupertino, CA 95015, USA	
Equipment Under Test		Product Name: SAGA Model/Type: OV1 Brand Name:  Serial NO.: N/A Sample NO.:15-1	
Date of Receipt.	2022.09.13	Date of Testing	2022.09.13~2023.02.04
Test Specification		Test Result	
FCC Part 15, Subpart E (15.407) Canada RSS-247 Issue 2 (2017-02) Canada RSS-Gen Issue 5 (2019-03)		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date:2023.02.04		
Tested by:  Xu ZhenFei Name Signature	Reviewed by:  Liu YongHai Name Signature	Approved by:  Chen HuaWen Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval ofCVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2022-0064-RF6	Original release	2023.02.04



1 SUMMARY OF TEST RESULTS

The EU has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPARTE (SECTION 15.407), Canada RSS-247, Canada RSS-Gen			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
FCC 15.207 RSS-Gen 8.8	AC Power Conducted Emission	PASS	See setion 3.1
FCC 15.403(i) RSS-2476.2.4 (1)	6dB&26dB Emission Bandwidth	PASS	Annex A1&A3 of GJW2022-9358-RF6-A1
RSS-Gen 6.7	Occupied Bandwidth Measurement	PASS	Annex A2 of GJW2022-9358-RF6-A1
FCC 15.407(b) RSS-247 6.2.1 (2) RSS-247 6.2.2 (2) RSS-247 6.2.3 (2) RSS-247 6.2.4 (2)	Radiated Emission and Bandedge	PASS	See setion 3.2
FCC 15.407(a) RSS-247 6.2.1 (1) RSS-247 6.2.2 (1) RSS-247 6.2.3 (1) RSS-247 6.2.4 (1)	Transmit Power	PASS	Annex C of GJW2022-9358-RF6-A1
FCC 15.407(a) RSS-247 6.2.1 (1) RSS-247 6.2.2 (1) RSS-247 6.2.3 (1) RSS-247 6.2.4 (1)	Power Spectral Density	PASS	Annex D of GJW2022-9358-RF6-A1
FCC 15.407(g)	Frequency Stability	PASS	Annex E of GJW2022-9358-RF6-A1
FCC 15.203 FCC 15.407(a)	Antenna Requirement	PASS	No antenna connector is used

Note: refer to DFS report (Report No. FCC2022-0064-RF10)



1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Test Equipment	Type/Mode	SERIAL NO.	Equipment No.	Manufacturer	Cal. Due
WIFI & Bluetooth Test System 1					/
Communication Shielded Room 1	4m*3m*3m	CRTDSWKS44301	VGDS-0699	CRT	2024/04/24
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Comprehensive Test Instrument	CMW270	100304	DZ-000240-1	R&S	2022/12/09
Analog Signal Generator	SMB100A	181858	DZ-000238-2	R&S	2023/06/05
Vector Signal Generator	SGT100A	111661	DZ-000238-1	R&S	2023/06/05
RF Radio Frequency Switch	JS0806-2	19H9080187		Tonscend	2023/06/06
Programmable DC Power Supply	E3644A	MY58036222	DZ-000178	KEYSIGHT	2023/04/21
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Radiation SpuriousTest System					/
3m Semi-Anechoic Chamber	FACT-4	ST08035	WKNA-0024	ETS	2024/12/12
Loop Antenna	FMZB1513	1513-170	EM-000384	SCHWARZBECK	2023-03-04
Spectrum Analyzer	N9010B	MY57470323	DZ-000174	KEYSIGHT	2023/03/02
EMI Test Receiver	N9038A-508	MY532290079	EM-000397	Agilent	2023/03/02
Broadband Antenna	VULB 9163	9163-530	EM-000342	SCHWARZBECK	2023/06/25
Waveguide Horn Antenna	HF906	360306/008	WKNA-0024-8	R&S	2023/03/04
Waveguide Horn Antenna	BBHA9170	00949	DZ-000209-2	SCHWARZBECK	2023/07/31
Preamplifier	BBV 9721	9721-050	DZ-000209-1	SCHWARZBECK	2023/06/05
5G Bandstop Filters	WRCJV12-4900-5100-5900-6100-50EE	1	DZ-000186	WI	2023/12/06
Comprehensive tester	CMW500	159000	DZ-000240-2	R&S	2023/12/06
Conducted emission					/
EMI Test Receiver	ESR3	102394	VG DY-0705	R&S	2023-03-04
LISN	NSLK 8127	8127644	VG DY-0150	SCHWARZBECK	2023-09-04
LISN	NSLK 8128	8128-316	VG DY-0149	SCHWARZBECK	2023-09-04
LISN	NSLK 8129	8129-268	EM-000388	SCHWARZBECK	2023-03-03
Plus Limiter (#1)	VTSD 9561 F-N	00515	VG DY-0808	SCHWARZBECK	2023-03-04
Plus Limiter (#2)	VTSD 9561	9561-F017	VG DY-0152	SCHWARZBECK	2024-09-04
Impedance Stabilization Network	ISN T800	27095	WKNE-0195	TESEQ	2023-09-04
Impedance Stabilization Network	NTFM8158	8158-0092	VG DY-0356	SCHWARZBECK	2023-06-07
ImpedanceStabilizationNetwork	NTFM8131	#184	EM-000498	SCHWARZBECK	2023-06-07
Voltage Probe	TK9420	9420-499	VG DY-0128	SCHWARZBECK	2023-03-04
Power Divider	4901.17.B	22643830	DB-0016	HUBER+SUHNER	2023-09-01
Video Signal Generator	GV-798+	151064920001	VGDS-0215	PROMAX	2023-05-30
Shielding Room(#1)	GP1A	001	WKNF-0001	LEINING	2024-08-08



1.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

No.	ITEM	FREQUENCY	UNCERTAINTY
1	Conducted emissions	9kHz~30MHz	±2.66dB
2	Radiated emissions	9KHz ~ 30MHz	±0.769dB
		30MHz ~ 1GMHz	±0.877dB
		1GHz ~ 18GHz	±0.777dB
		18GHz ~ 40GHz	±1.315dB

1.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3,TiantaiyiRoad,KaitaiAvenue,ScienceCity,Guangzhou,China

Post Code: 510663 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

<http://www.cvc.org.cn>



2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	SAGA
BRAND	
TEST MODEL	OV1
ADDITIONAL MODEL	N/A
FCC ID	2AW49200731A
IC ID	26394-200731A
POWER SUPPLY	DC 3.89 from Battery or USB host unit
MODULATION TECHNOLOGY	OFDM, OFDMA
MODULATION TYPE	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM,256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
TRANSFER RATE	802.11a: up to 54Mbps,802.11n: up to 300Mbps 802.11ac: up to 866.7Mbps,802.11ax: up to 2401.9Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz,5260 ~ 5320MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	See item 2.2
PEAK OUTPUT POWER	16.66 dBm
ANTENNA TYPE (NOTE 5)	ANT0: PIFA Antenna, with 0.5dBi gain ANT1: PIFA Antenna, with 0.5dBi gain
HARDWARE REVISION	MP
SOFTWARE REVISION	SQ3A.220705.126
FIX FREQUENCY SOFTWARE	Qualcomm Radio Control Toolkit v4.0
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB line, 1.2Meter, Shielded without ferrite

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. EUT photo refer to report (Report NO.: FCC2022-0064-E).
4. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitter and 2 receiver.
5. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

MODULATION MODE	TX FUNCTION
802.11a	2TX/2RX
802.11n	2TX/2RX



	802.11ac	2TX/2RX	
	802.11ax	2TX/2RX	

2.2 Carrier Frequency and Channel

FOR 5180 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	40	5200 MHz
44	5220 MHz	48	5240 MHz
52	5260MHz	56	5280MHz
60	5300MHz	64	5320MHz

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz
54	5270MHz	62	5310MHz

2 channels are provided for 802.11ac (VHT80), 802.11ax (HE80):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210MHz	58	5290MHz

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
50	5250MHz	-	-

FOR 5745 ~ 5825MHz

5 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz), 802.11ax (HE20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745MHz	153	5765MHz
157	5785MHz	161	5805MHz
165	5825MHz	--	--

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
155	5775MHz	--	--

The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.



By means of test software which provided by manufacture, the power levels during the tests were set according to the following codes:

Operated in 5180 ~ 5320MHz band									
802.11a		802.11n(HT20)		802.11n(HT40)		802.11ac (VHT80)		802.11ax (HE80)	
FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING
5180	12	5180	12	5190	12	5210	12	5210	12
5200	12	5200	12	5230	12				
5240	12	5240	12						
5260	12	5260	12	5270	12	5290	12	5290	12
5280	12	5280	12	5310	12				
5320	12	5320	12						
802.11ac (VHT160) 5250MHz			12		802.11ax (VHT160) 5250MHz			12	
Operated in 5745 ~ 5825MHz band									
802.11a		802.11n(HT20)		802.11n(HT40)		802.11ac (VHT80)		802.11ax (HE80)	
CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING
5745	12	5745	12	5755	12	5755	12	5755	12
5785	12	5785	12	5795	12				
5825	12	5825	12						



2.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
-	√	√	√	√	Powered by host unit with wifi(5G) link

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

NOTE: "-" means no effect.

MODULATION	DATA RATE
802.11a	6Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20(Covered by HT20)	MCS0
802.11ac VHT40(Covered by HT40)	MCS0
802.11ax HE20(Covered by HT20)	MCS0
802.11ax HE40(Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	25deg. C, 54%RH	DC 3.89V from battery	Liu ShiWei
RE$\geq$1G	25deg. C, 54%RH	DC 3.89V from battery	Liu ShiWei
PLC	20deg. C, 56%RH	DC 3.89V from battery	Liu ShiWei
APCM	20deg. C, 55%RH	DC 3.89V from battery	Liu ShiWei



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
Support Cable							
NO	Description	Quantity (Number)	Length (m)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
-	-	-	-	-	-	-	-

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

Canada RSS-247 Issue 2 (2017-02)

Canada RSS-Gen Issue 5 (2019-03)

ANSI C63.10-2020

All test items have been performed and recorded as per the above standards

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

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

2.The limit decreases in line with the logarithm of the frequency in the range of 0.15 to0.50MHz.

3.All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.1.2 TEST PROCEDURES

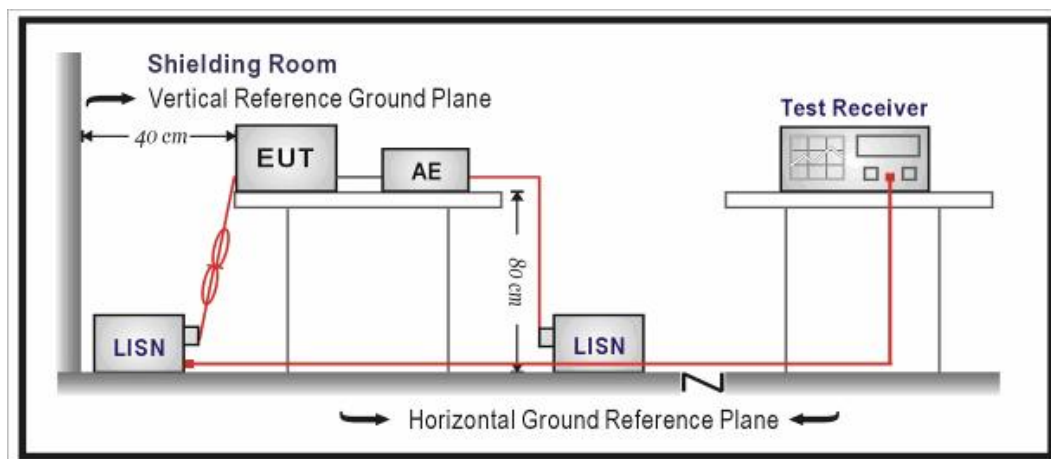
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

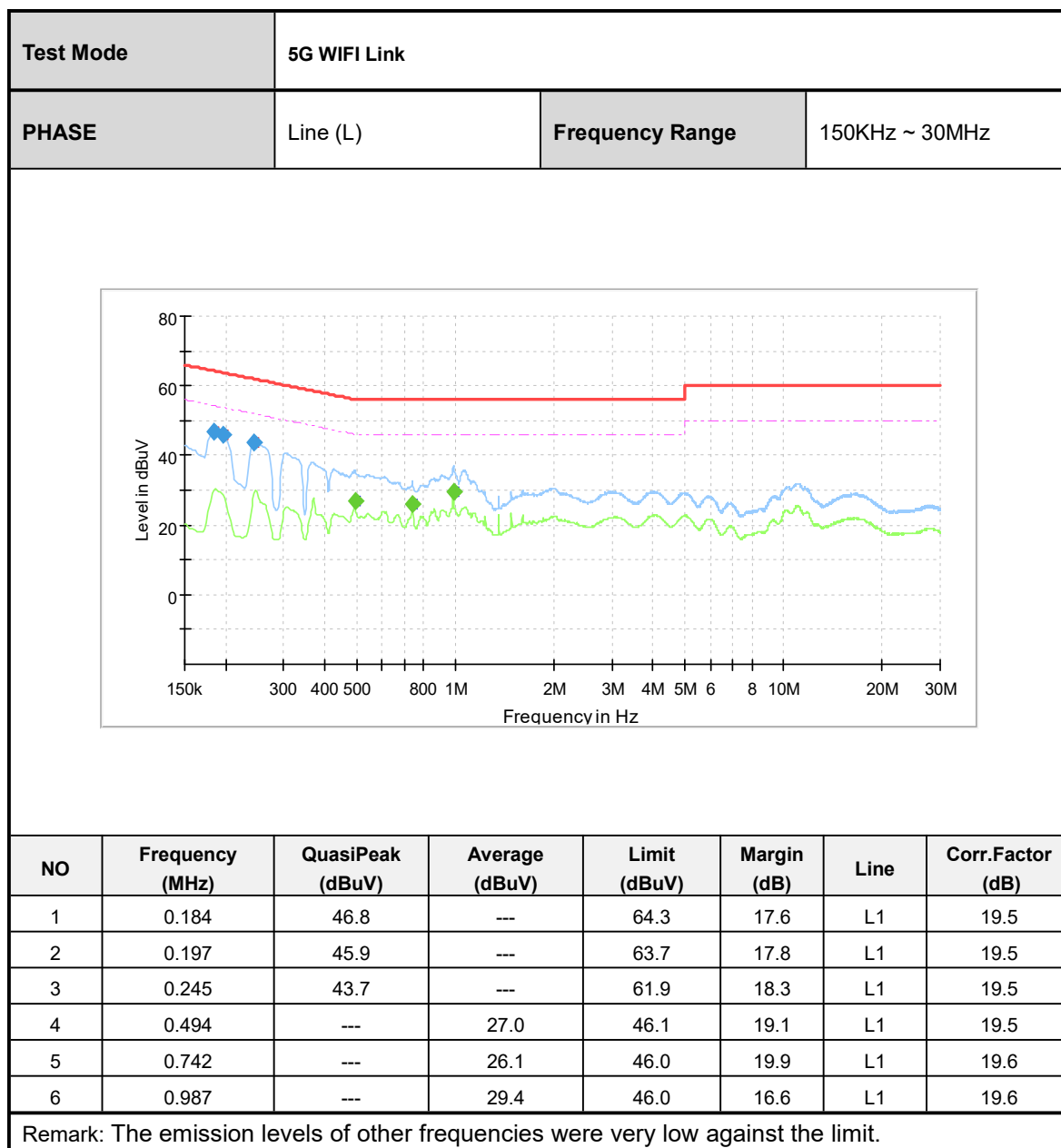
NOTE: All modes of operation were investigated and the worst-case emissions are reported.

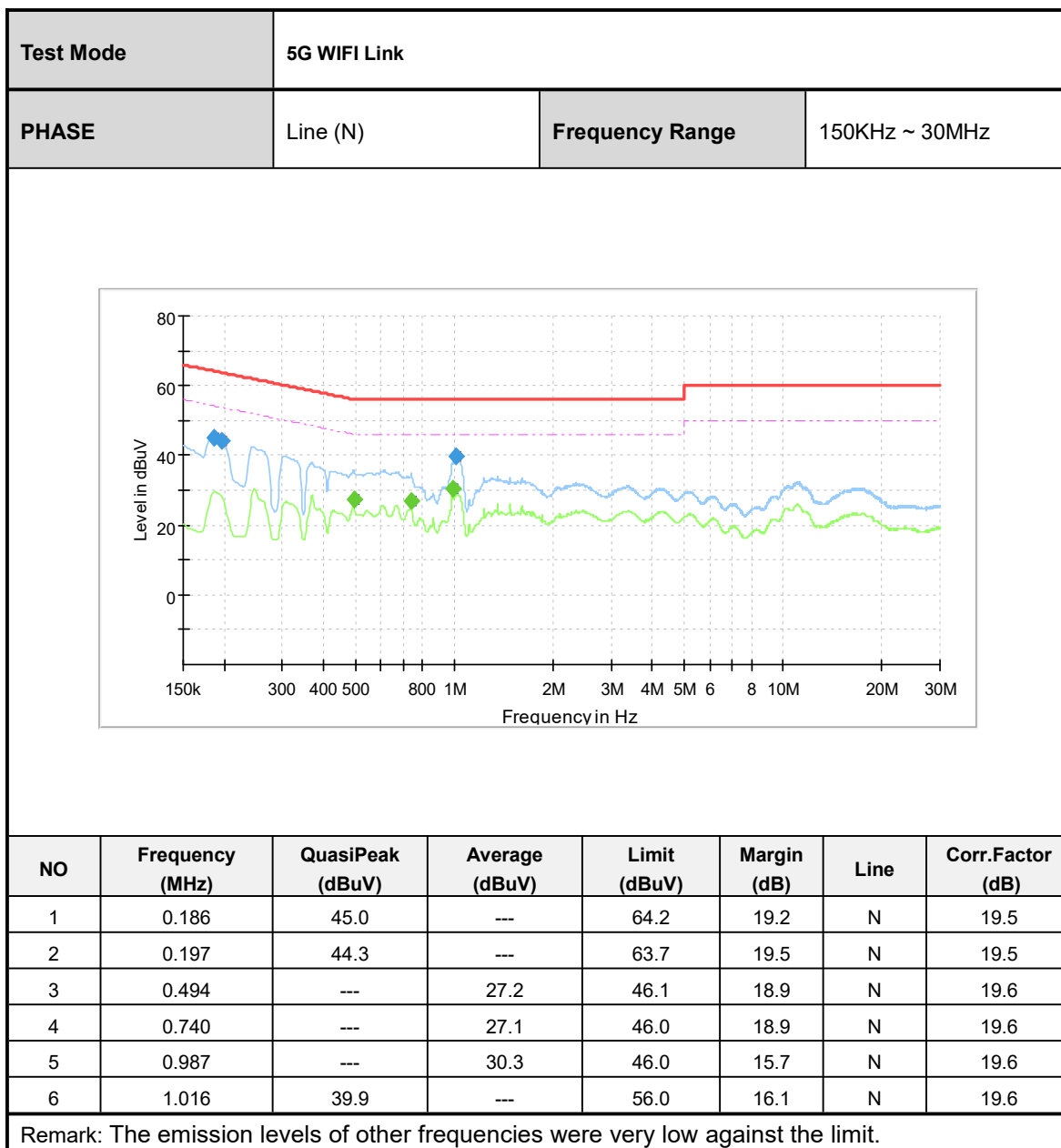
3.1.3 TEST SETUP



NOTE:For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.4 TEST RESULTS







3.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

FREQUENCIES (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	100	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. 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 30dB under any condition of modulation.



3.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	FIELD STRENGTH AT 3m	
	PK:74 (dBμV/m)	AV:54 (dBμV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	Note	Note

NOTE:

For transmitters operating in the 5.725-5.85 GHz band:Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above orbelow the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts).}$$

3.1.3 TEST PROCEDURES

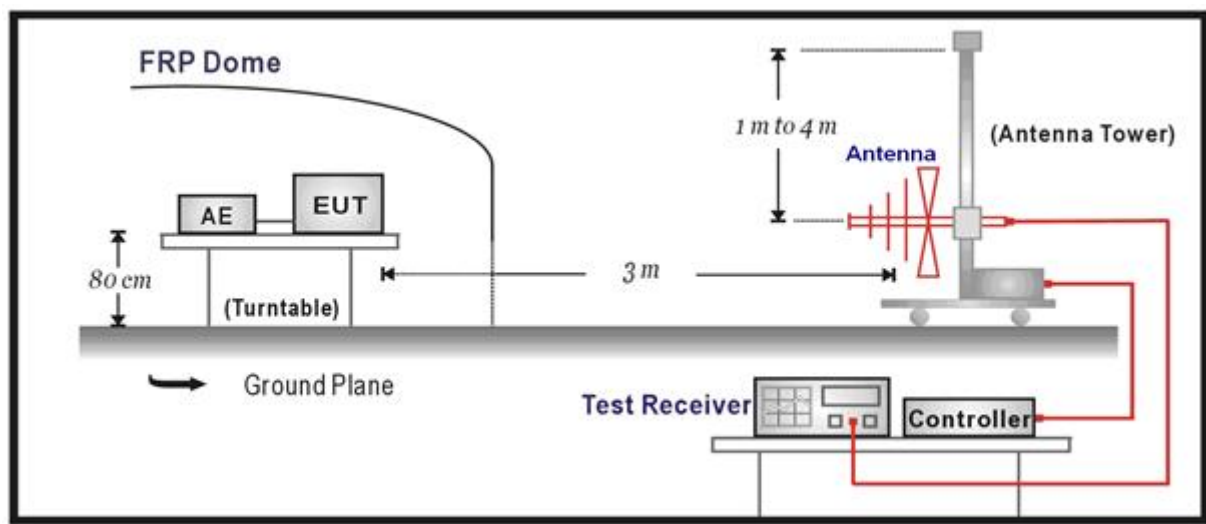
- a. The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz)and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

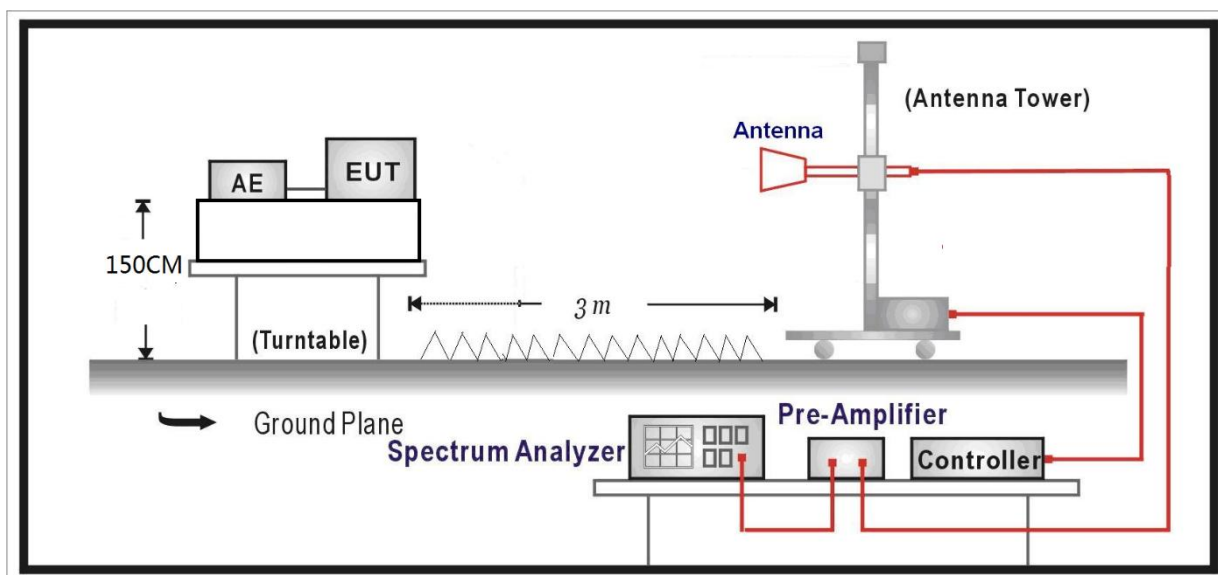
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

3.1.4 TEST SETUP

Below 1GHz Test Setup:

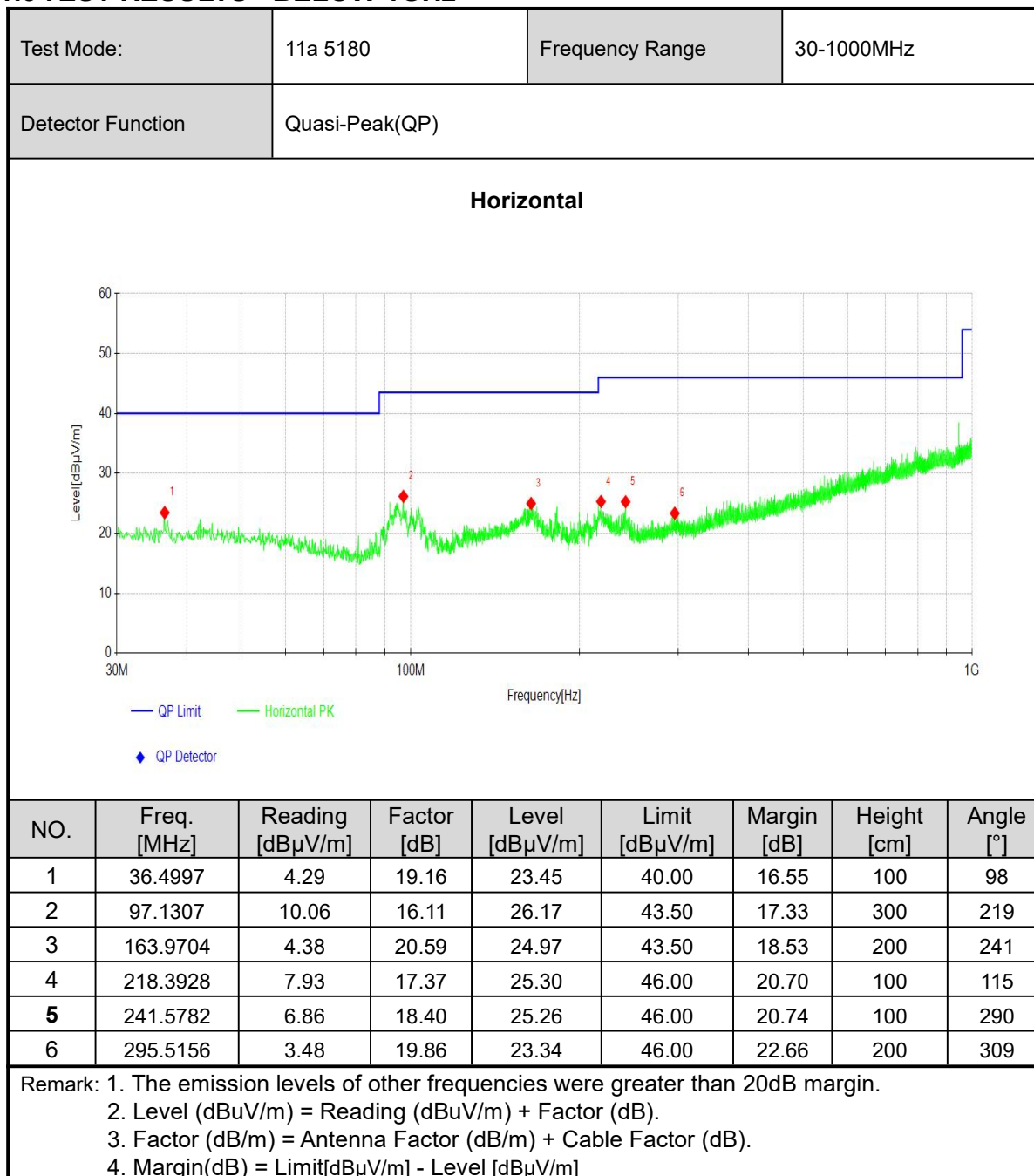


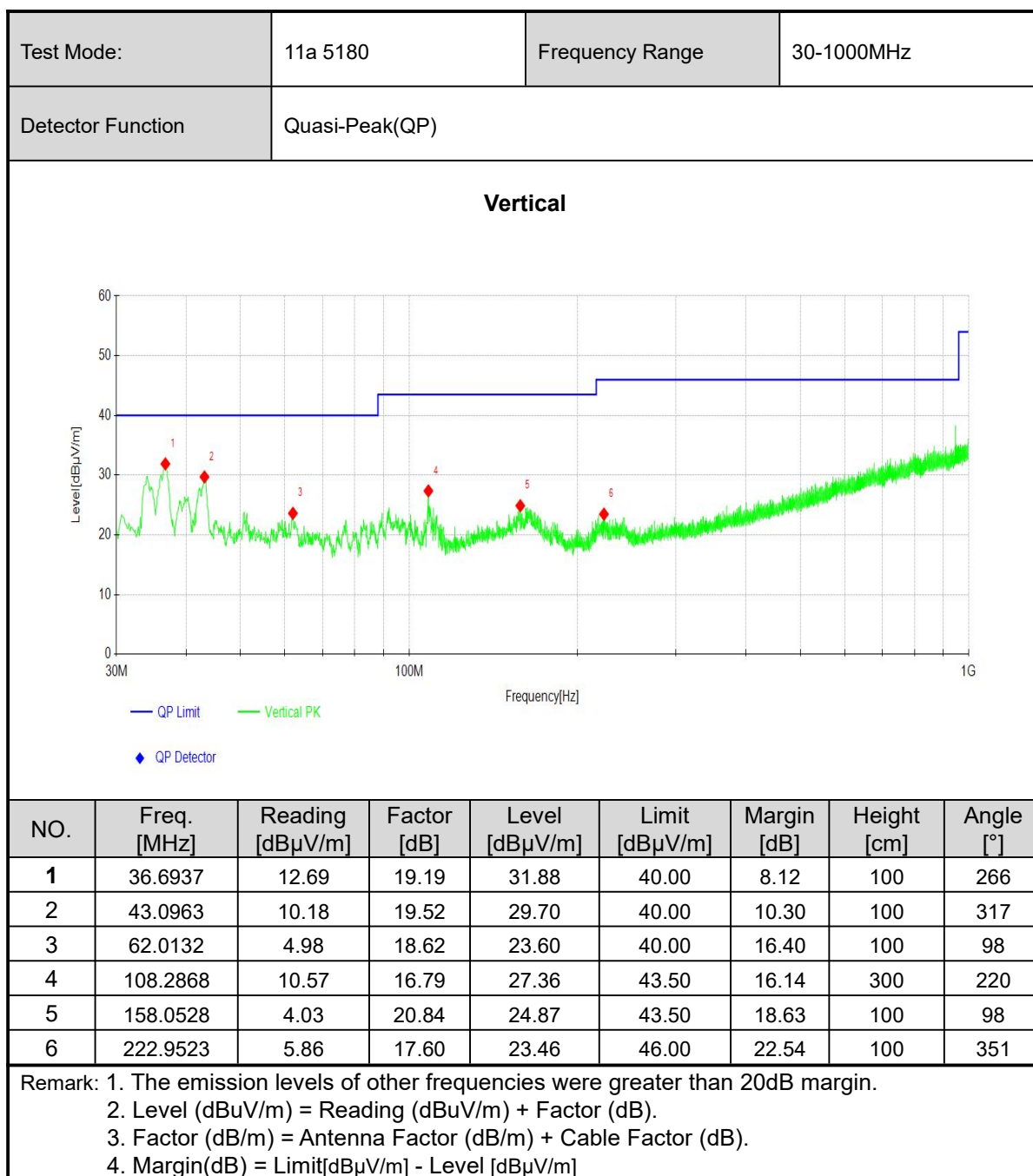
Above 1GHz Test Setup:



Note: For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Setup)

3.1.5 TEST RESULTS - BELOW 1GHz







3.1.6 TEST RESULTS - Band 1 (5180-5240MHz):

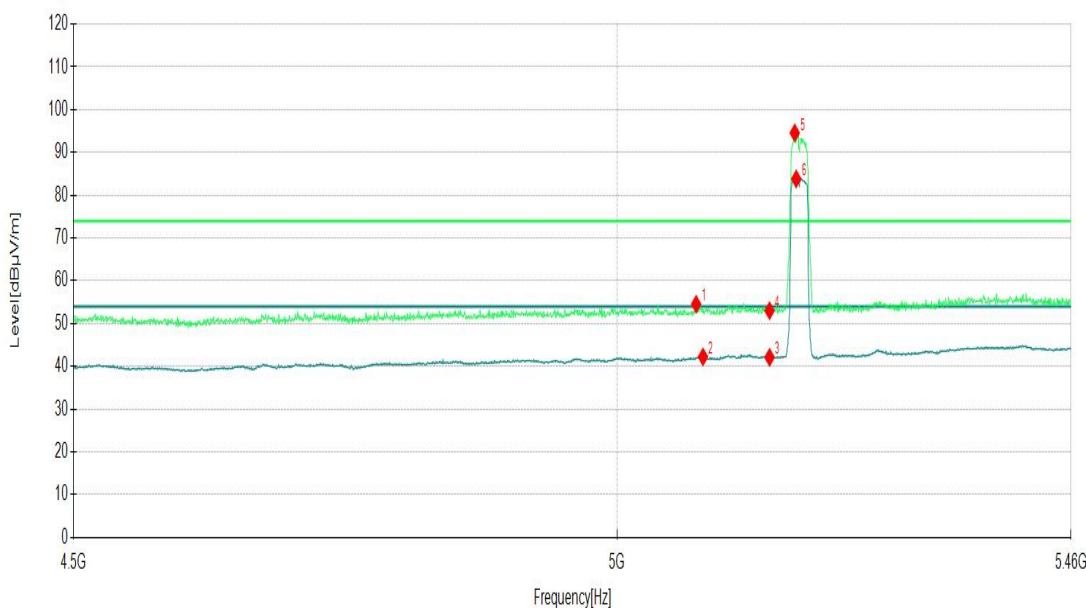
ABOVE 1GHz DATA

Channel		802.11a CH36		Frequency		5180 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5080.6103	34.43	7.80	42.23	54.00	11.77	110	338	AV
2	5094.0570	46.64	7.58	54.22	74.00	19.78	137	206	PK
3	5150.0000	34.35	8.03	42.38	54.00	11.62	313	133	AV
4	5150.0000	45.10	8.03	53.13	74.00	20.87	252	1	PK
5	5178.0991	89.50	7.90	97.40			383	54	PK
6	5182.9015	78.74	7.84	86.58			305	52	AV
7	10360.0000	26.68	14.09	40.77	68.20	27.43	398	155	PK
8	10360.0000	17.61	14.09	31.70	54.00	22.30	303	69	AV
9	15540.0000	23.01	19.38	42.39	74.00	31.61	249	69	PK
10	15540.0000	13.65	19.38	33.03	54.00	20.97	168	20	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a CH36			Frequency	5180 MHz				
Frequency Range	Above 1G			Detector Function	PK/AV				
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5077.2486	46.84	7.70	54.54	74.00	19.46	160	1	PK
2	5083.9720	34.49	7.73	42.22	54.00	11.78	264	180	AV
3	5150.0000	34.09	8.03	42.12	54.00	11.88	288	105	AV
4	5150.0000	44.98	8.03	53.01	74.00	20.99	154	108	PK
5	5175.2176	86.70	7.87	94.57			381	157	PK
6	5176.6583	75.93	7.89	83.82			123	191	AV
7	10360.0000	26.63	14.09	40.72	68.20	27.48	362	258	PK
8	10360.0000	17.81	14.09	31.90	54.00	22.10	225	350	AV
9	15540.0000	22.77	19.38	42.15	74.00	31.85	361	129	PK
10	15540.0000	13.55	19.38	32.93	54.00	21.07	370	122	AV



The graph displays the emission level in dBμV/m across a frequency range from 4.5 GHz to 5.46 GHz. The y-axis ranges from 0 to 120 dBμV/m. A green horizontal line at 74 dBμV/m represents the limit. A blue line shows the measured level, which is mostly below 50 dBμV/m, except for two sharp peaks at 5175.2176 MHz (labeled 5) and 5176.6583 MHz (labeled 6). Peak 5 reaches approximately 94.57 dBμV/m, and peak 6 reaches approximately 83.82 dBμV/m. Red diamonds mark the peaks and other points of interest. The x-axis is labeled 'Frequency[Hz]' and has major ticks at 4.5G, 5G, and 5.46G.

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

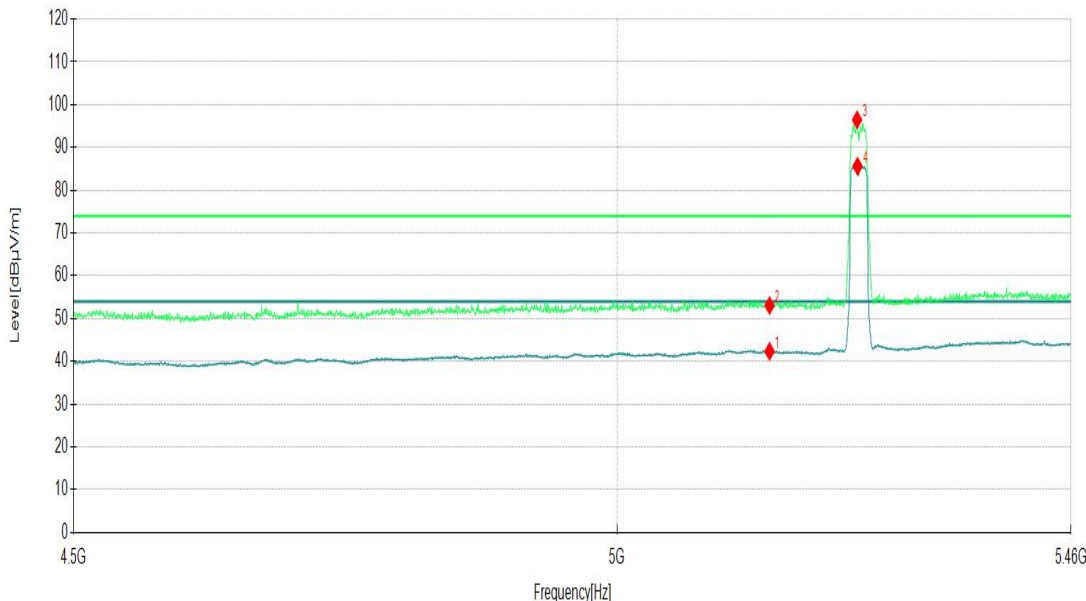
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11a CH 40		Frequency		5220MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	10440.0000	26.89	14.45	41.34	68.20	26.86	202	182	PK
2	10440.0000	17.44	14.45	31.89	54.00	22.11	139	272	AV
3	15660.0000	21.95	20.15	42.10	74.00	31.90	325	116	PK
4	15660.0000	13.67	20.15	33.82	54.00	20.18	165	99	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10440.0000	26.44	14.45	40.89	68.20	27.31	292	23	PK
2	10440.0000	17.29	14.45	31.74	54.00	22.26	385	294	AV
3	15660.0000	23.68	20.15	43.83	74.00	30.17	156	189	PK
4	15660.0000	14.92	20.15	35.07	54.00	18.93	225	142	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



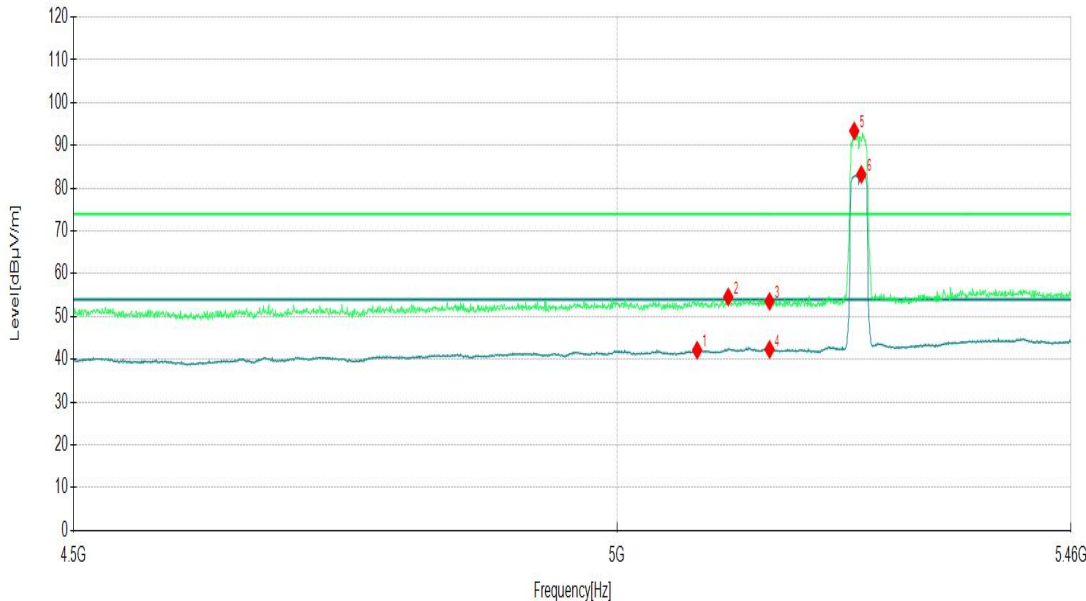
Channel	802.11a CH48			Frequency	5240 MHz				
Frequency Range	Above 1G			Detector Function	PK/AV				
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5150.0000	34.31	8.03	42.34	54.00	11.66	144	0	AV
2	5150.0000	45.02	8.03	53.05	74.00	20.95	123	0	PK
3	5238.1291	88.25	8.21	96.46			234	44	PK
4	5238.6093	77.41	8.21	85.62			286	44	AV
5	10480.0000	27.01	14.45	41.46	68.20	26.74	206	324	PK
6	10480.0000	18.03	14.45	32.48	54.00	21.52	222	136	AV
7	15720.0000	22.42	20.55	42.97	74.00	31.03	217	69	PK
8	15720.0000	13.52	20.55	34.07	54.00	19.93	143	26	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



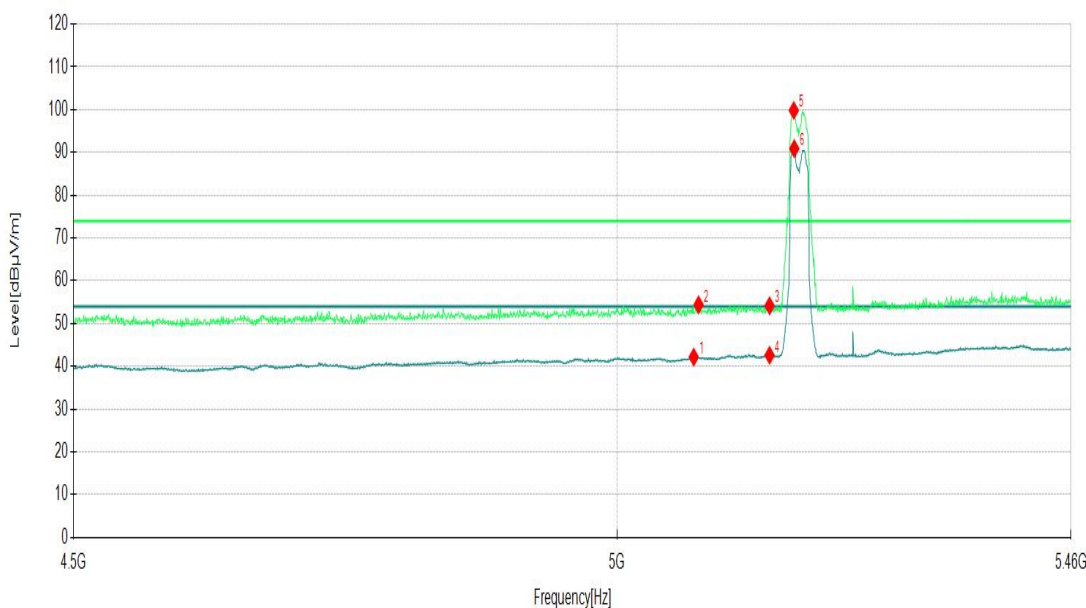
Channel	802.11a CH48			Frequency	5240 MHz				
Frequency Range	Above 1G			Detector Function	PK/AV				
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5078.2091	34.40	7.74	42.14	54.00	11.86	298	315	AV
2	5108.9445	46.58	8.02	54.60	74.00	19.40	388	1	PK
3	5150.0000	45.53	8.03	53.56	74.00	20.44	219	101	PK
4	5150.0000	34.27	8.03	42.30	54.00	11.70	285	161	AV
5	5235.2476	85.19	8.21	93.40			140	200	PK
6	5242.4512	75.01	8.23	83.24			306	200	AV
7	10480.0000	27.22	14.45	41.67	68.20	26.53	179	116	PK
8	10480.0000	17.78	14.45	32.23	54.00	21.77	398	178	AV
9	15720.0000	22.07	20.55	42.62	74.00	31.38	352	221	PK
10	15720.0000	13.06	20.55	33.61	54.00	20.39	129	96	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]



Channel		802.11n20CH36		Frequency		5180 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5074.8474	34.57	7.60	42.17	54.00	11.83	262	45	AV
2	5079.6498	46.59	7.80	54.39	74.00	19.61	140	119	PK
3	5150.0000	46.13	8.03	54.16	74.00	19.84	321	25	PK
4	5150.0000	34.57	8.03	42.60	54.00	11.40	273	162	AV
5	5174.2571	91.98	7.86	99.84			282	38	PK
6	5174.7374	83.03	7.87	90.90			261	40	AV
7	10360.0000	26.60	14.09	40.69	68.20	27.51	139	79	PK
8	10360.0000	17.68	14.09	31.77	54.00	22.23	271	360	AV
9	15540.0000	22.82	19.38	42.20	74.00	31.80	315	238	PK
10	15540.0000	13.60	19.38	32.98	54.00	21.02	387	215	AV



The graph displays the emission level in dBμV/m on the y-axis (ranging from 0 to 120) against frequency in Hz on the x-axis (ranging from 4.5G to 5.46G). A green line represents the limit, and a blue line represents the reading. Five peaks are labeled with red diamonds and numbers 1 through 5. Peak 5 is the highest, reaching approximately 100 dBμV/m. Peaks 1, 2, 3, and 4 are lower, around 40-55 dBμV/m.

Peak	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]
1	5074.8474	34.57	7.60	42.17	54.00	11.83
2	5079.6498	46.59	7.80	54.39	74.00	19.61
3	5150.0000	46.13	8.03	54.16	74.00	19.84
4	5150.0000	34.57	8.03	42.60	54.00	11.40
5	5174.2571	91.98	7.86	99.84		

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

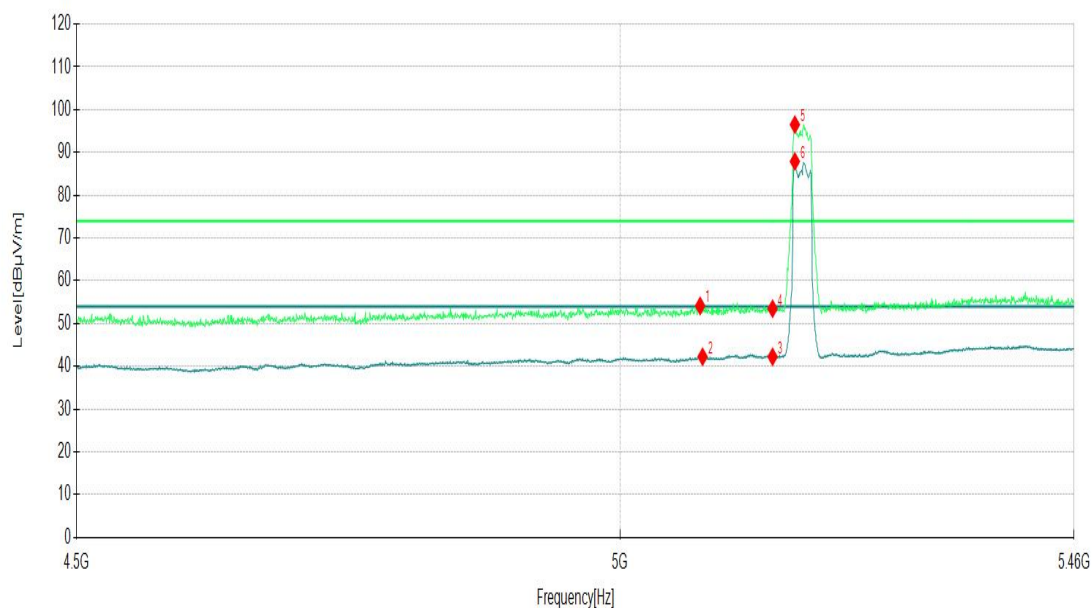
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20CH36	Frequency	5180 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5078.2091	46.39	7.74	54.13	74.00	19.87	127	321	PK
2	5080.6103	34.46	7.80	42.26	54.00	11.74	249	158	AV
3	5150.0000	34.23	8.03	42.26	54.00	11.74	134	282	AV
4	5150.0000	45.46	8.03	53.49	74.00	20.51	290	1	PK
5	5172.3362	88.67	7.85	96.52			333	233	PK
6	5172.3362	80.06	7.85	87.91			376	233	AV
7	10360.0000	28.03	14.09	42.12	68.20	26.08	357	281	PK
8	10360.0000	17.46	14.09	31.55	54.00	22.45	395	43	AV
9	15540.0000	23.07	19.38	42.45	74.00	31.55	314	40	PK
10	15540.0000	13.79	19.38	33.17	54.00	20.83	379	63	AV



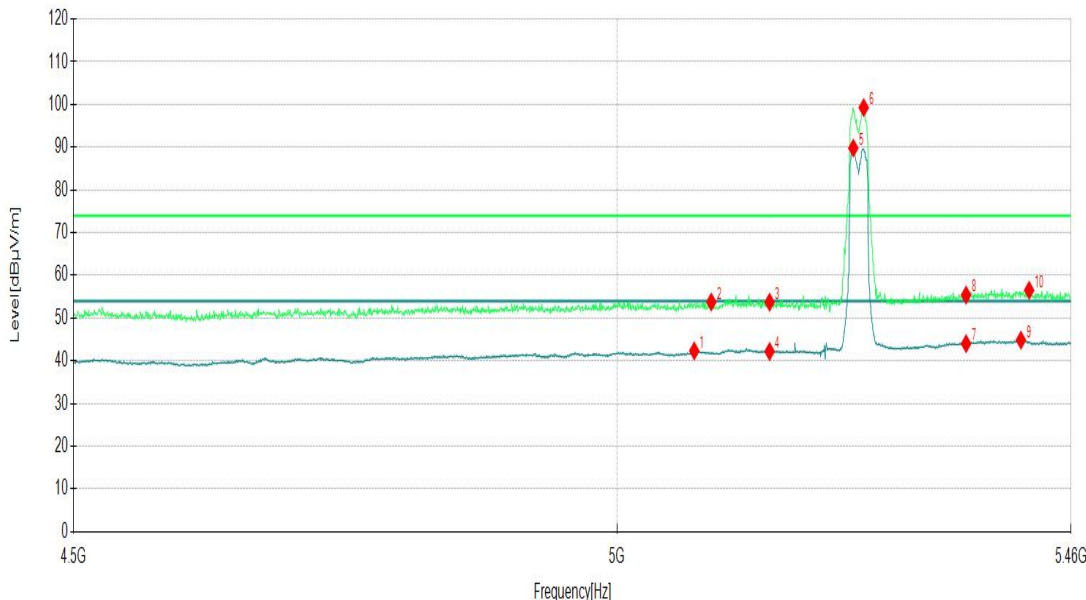
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11n20CH40		Frequency		5220MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	10440.0000	27.02	14.45	41.47	68.20	26.73	293	274	PK
2	10440.0000	17.39	14.45	31.84	54.00	22.16	367	350	AV
3	15660.0000	22.51	20.15	42.66	74.00	31.34	200	357	PK
4	15660.0000	14.23	20.15	34.38	54.00	19.62	192	109	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10440.0000	26.17	14.45	40.62	68.20	27.58	187	46	PK
2	10440.0000	17.27	14.45	31.72	54.00	22.28	129	13	AV
3	15660.0000	23.73	20.15	43.88	74.00	30.12	278	33	PK
4	15660.0000	13.63	20.15	33.78	54.00	20.22	340	324	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									



Channel	802.11n20 CH48		Frequency	5240 MHz					
Frequency Range	Above 1G		Detector Function	PK/AV					
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5075.3277	34.71	7.62	42.33	54.00	11.67	296	340	AV
2	5092.1361	46.18	7.59	53.77	74.00	20.23	225	24	PK
3	5150.0000	45.71	8.03	53.74	74.00	20.26	257	119	PK
4	5150.0000	34.17	8.03	42.20	54.00	11.80	307	320	AV
5	5234.2871	81.61	8.21	89.82			102	44	AV
6	5244.8524	91.05	8.23	99.28			295	41	PK
7	5350.0000	34.06	9.96	44.02	54.00	9.98	152	333	AV
8	5350.0000	45.45	9.96	55.41	74.00	18.59	165	292	PK
9	5407.1736	34.64	10.22	44.86	54.00	9.14	354	44	AV
10	5415.8179	46.54	9.98	56.52	74.00	17.48	221	119	PK
11	10480.0000	27.02	14.45	41.47	68.20	26.73	165	60	PK
12	10480.0000	18.10	14.45	32.55	54.00	21.45	272	352	AV
13	15720.0000	22.92	20.55	43.47	74.00	30.53	182	106	PK
14	15720.0000	13.30	20.55	33.85	54.00	20.15	104	235	AV



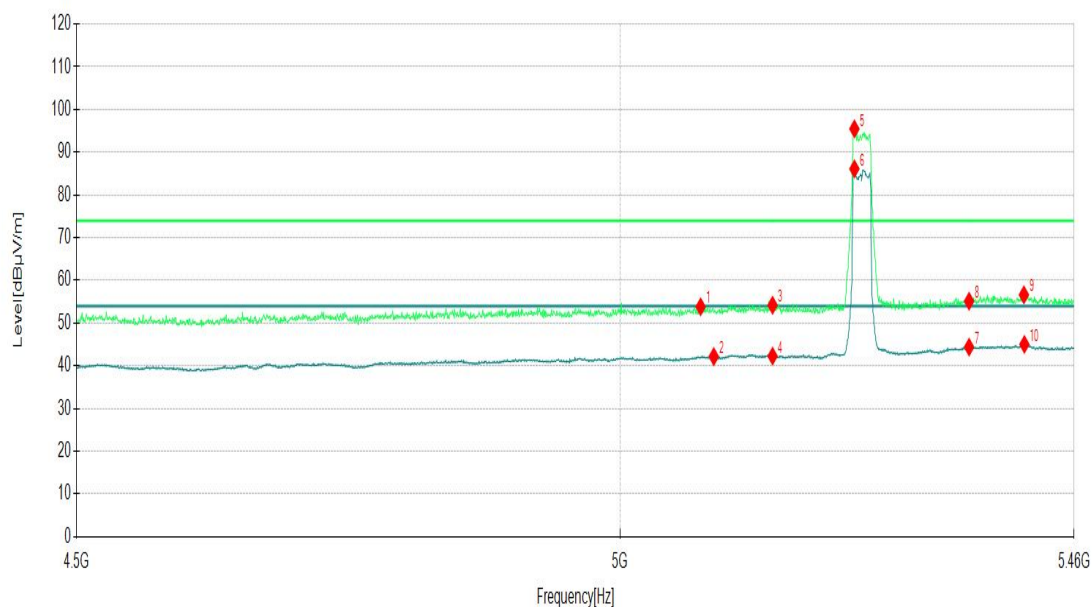
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH48	Frequency	5240 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5078.6893	46.06	7.76	53.82	74.00	20.18	277	50	PK
2	5091.6558	34.58	7.60	42.18	54.00	11.82	226	276	AV
3	5150.0000	46.16	8.03	54.19	74.00	19.81	133	7	PK
4	5150.0000	34.26	8.03	42.29	54.00	11.71	336	280	AV
5	5232.3662	87.28	8.20	95.48			276	235	PK
6	5232.3662	77.92	8.20	86.12			189	224	AV
7	5350.0000	34.43	9.96	44.39	54.00	9.61	238	301	AV
8	5350.0000	45.18	9.96	55.14	74.00	18.86	316	338	PK
9	5407.1736	46.40	10.22	56.62	74.00	17.38	143	65	PK
10	5407.6538	34.79	10.23	45.02	54.00	8.98	259	357	AV
11	10480.0000	27.25	14.45	41.70	68.20	26.50	373	312	PK
12	10480.0000	17.64	14.45	32.09	54.00	21.91	281	255	AV
13	15720.0000	21.93	20.55	42.48	74.00	31.52	121	10	PK
14	15720.0000	13.27	20.55	33.82	54.00	20.18	252	262	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

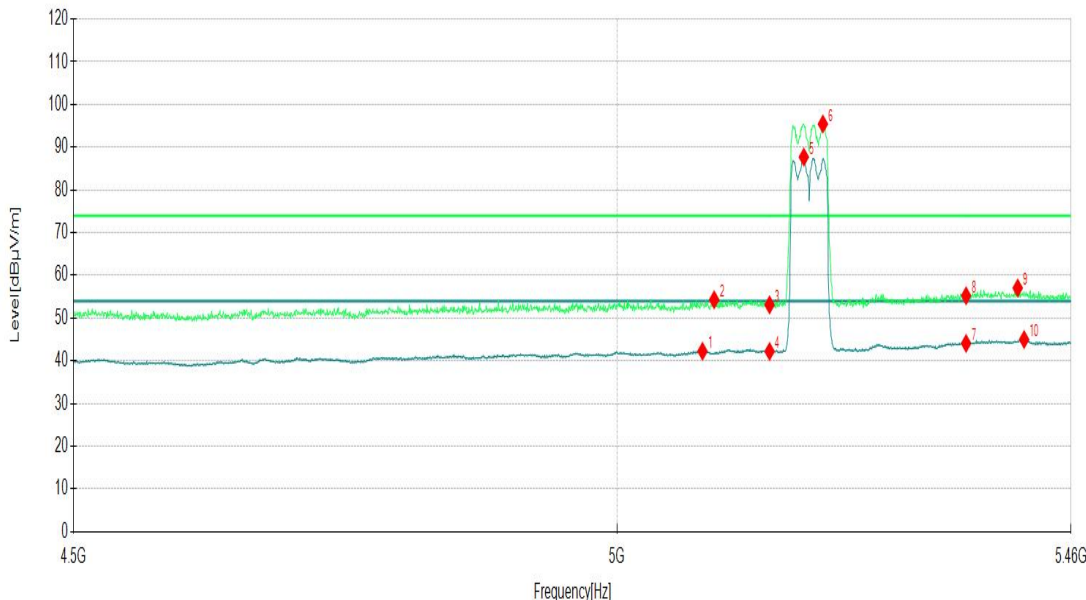
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH38			Frequency	5190 MHz				
Frequency Range	Above 1G			Detector Function	PK/AV				
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5083.4917	34.52	7.74	42.26	54.00	11.74	282	0	AV
2	5095.0175	46.71	7.58	54.29	74.00	19.71	221	212	PK
3	5150.0000	45.09	8.03	53.12	74.00	20.88	281	197	PK
4	5150.0000	34.18	8.03	42.21	54.00	11.79	373	22	AV
5	5184.3422	79.91	7.80	87.71			109	42	AV
6	5203.5518	87.48	7.97	95.45			313	37	PK
7	5350.0000	34.13	9.96	44.09	54.00	9.91	141	35	AV
8	5350.0000	45.28	9.96	55.24	74.00	18.76	359	210	PK
9	5403.8119	46.93	10.12	57.05	74.00	16.95	148	201	PK
10	5410.5353	34.72	10.27	44.99	54.00	9.01	106	282	AV
11	10380.0000	27.15	14.14	41.29	68.20	26.91	215	247	PK
12	10380.0000	17.63	14.14	31.77	54.00	22.23	256	340	AV
13	15570.0000	22.76	19.64	42.40	74.00	31.60	202	6	PK
14	15570.0000	13.61	19.64	33.25	54.00	20.75	145	360	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

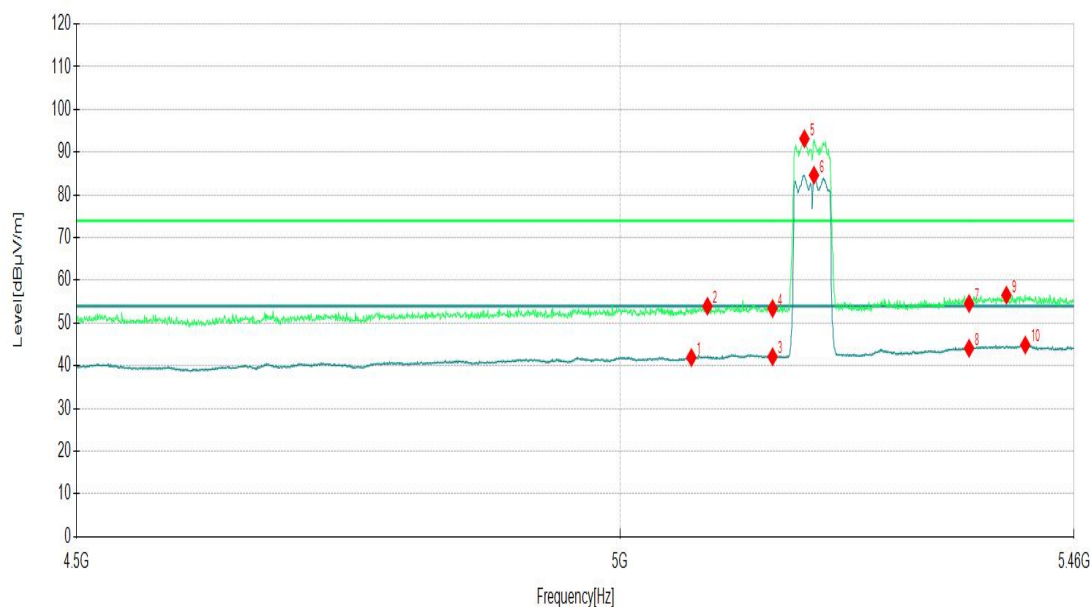
4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]



Channel	802.11n40 CH38	Frequency	5190 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5069.5648	34.54	7.40	41.94	54.00	12.06	350	291	AV
2	5085.4127	46.25	7.70	53.95	74.00	20.05	395	118	PK
3	5150.0000	34.10	8.03	42.13	54.00	11.87	136	353	AV
4	5150.0000	45.40	8.03	53.43	74.00	20.57	293	163	PK
5	5181.9410	85.30	7.86	93.16			380	227	PK
6	5191.5458	76.98	7.64	84.62			339	218	AV
7	5350.0000	44.62	9.96	54.58	74.00	19.42	164	18	PK
8	5350.0000	34.14	9.96	44.10	54.00	9.90	233	78	AV
9	5388.9245	46.49	10.06	56.55	74.00	17.45	378	246	PK
10	5408.6143	34.62	10.26	44.88	54.00	9.12	143	248	AV
11	10380.0000	27.04	14.14	41.18	68.20	27.02	206	155	PK
12	10380.0000	18.21	14.14	32.35	54.00	21.65	342	112	AV
13	15570.0000	22.28	19.64	41.92	74.00	32.08	400	310	PK
14	15570.0000	13.53	19.64	33.17	54.00	20.83	314	46	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

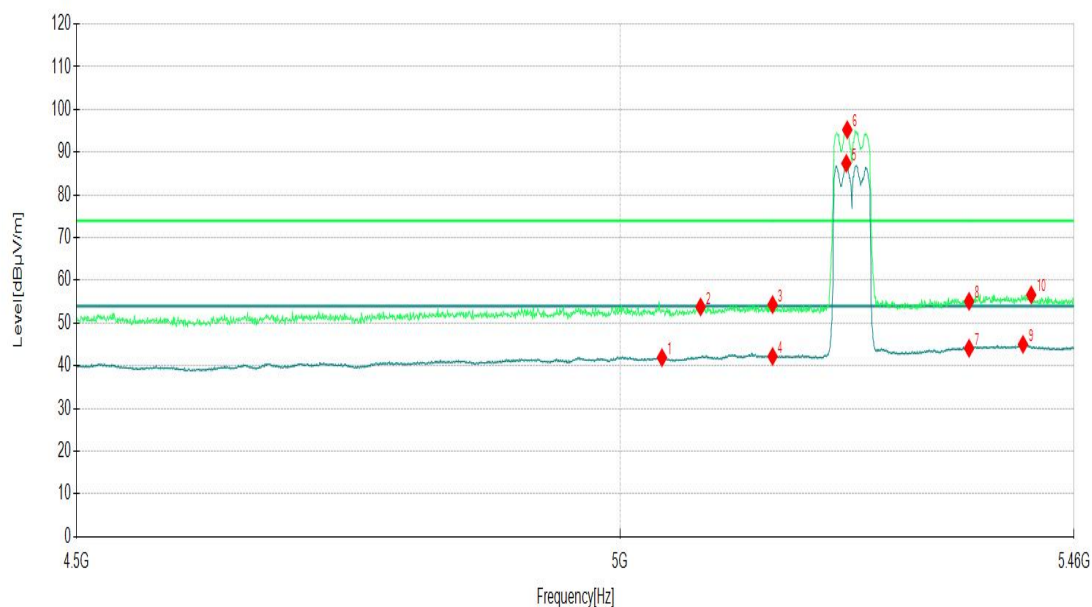
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH46	Frequency	5230 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5040.7504	34.28	7.64	41.92	54.00	12.08	287	134	AV
2	5078.6893	46.03	7.76	53.79	74.00	20.21	307	85	PK
3	5150.0000	46.31	8.03	54.34	74.00	19.66	251	282	PK
4	5150.0000	34.18	8.03	42.21	54.00	11.79	252	60	AV
5	5224.2021	79.19	8.20	87.39			248	43	AV
6	5225.1626	87.06	8.20	95.26			374	43	PK
7	5350.0000	34.15	9.96	44.11	54.00	9.89	125	254	AV
8	5350.0000	45.14	9.96	55.10	74.00	18.90	352	175	PK
9	5406.2131	34.84	10.19	45.03	54.00	8.97	342	305	AV
10	5414.8574	46.57	10.03	56.60	74.00	17.40	161	192	PK
11	10460.0000	26.57	14.59	41.16	68.20	27.04	225	228	PK
12	10460.0000	17.25	14.59	31.84	54.00	22.16	317	344	AV
13	15690.0000	13.78	20.46	34.24	54.00	19.76	238	145	AV
14	15690.0000	22.44	20.46	42.90	74.00	31.10	193	53	PK



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

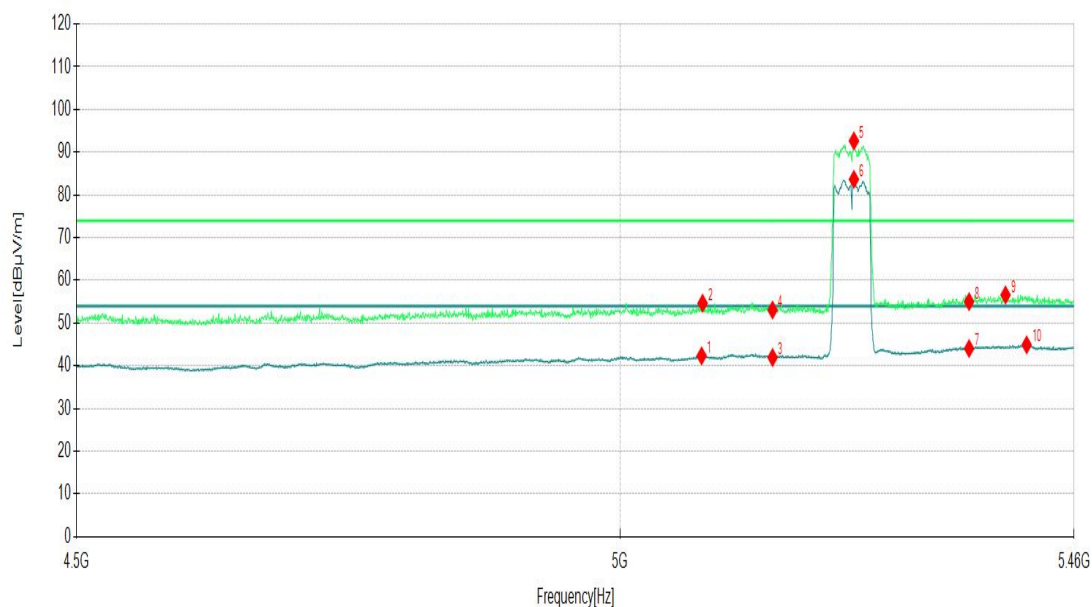
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH46	Frequency	5230 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5079.6498	34.54	7.80	42.34	54.00	11.66	287	1	AV
2	5080.6103	46.85	7.80	54.65	74.00	19.35	257	293	PK
3	5150.0000	33.94	8.03	41.97	54.00	12.03	189	296	AV
4	5150.0000	45.04	8.03	53.07	74.00	20.93	387	259	PK
5	5231.8859	84.45	8.20	92.65			368	225	PK
6	5231.8859	75.46	8.20	83.66			334	225	AV
7	5350.0000	34.08	9.96	44.04	54.00	9.96	180	18	AV
8	5350.0000	45.07	9.96	55.03	74.00	18.97	375	161	PK
9	5387.9640	46.52	10.07	56.59	74.00	17.41	302	90	PK
10	5410.0550	34.63	10.29	44.92	54.00	9.08	262	178	AV
11	10460.0000	26.48	14.59	41.07	68.20	27.13	121	198	PK
12	10460.0000	17.27	14.59	31.86	54.00	22.14	395	198	AV
13	15690.0000	14.35	20.46	34.81	54.00	19.19	376	330	AV
14	15690.0000	23.71	20.46	44.17	74.00	29.83	275	126	PK



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

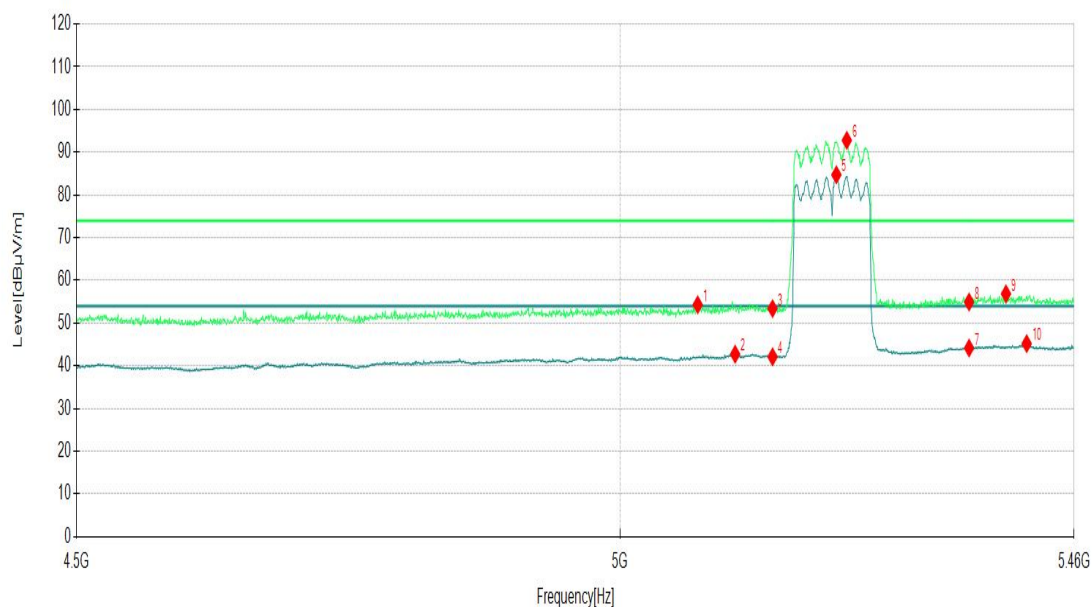
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH42	Frequency	5210 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5075.8079	46.66	7.64	54.30	74.00	19.70	171	357	PK
2	5112.7864	34.75	7.99	42.74	54.00	11.26	154	122	AV
3	5150.0000	45.37	8.03	53.40	74.00	20.60	226	288	PK
4	5150.0000	34.09	8.03	42.12	54.00	11.88	346	128	AV
5	5214.1171	76.30	8.43	84.73			121	42	AV
6	5224.6823	84.60	8.20	92.80			263	44	PK
7	5350.0000	34.21	9.96	44.17	54.00	9.83	149	1	AV
8	5350.0000	44.98	9.96	54.94	74.00	19.06	338	340	PK
9	5388.4442	46.79	10.07	56.86	74.00	17.14	397	122	PK
10	5410.0550	34.91	10.29	45.20	54.00	8.80	394	82	AV
11	10420.0000	26.34	14.27	40.61	68.20	27.59	104	278	PK
12	10420.0000	17.49	14.27	31.76	54.00	22.24	241	152	AV
13	15630.0000	23.61	20.00	43.61	74.00	30.39	182	360	PK
14	15630.0000	13.58	20.00	33.58	54.00	20.42	168	110	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

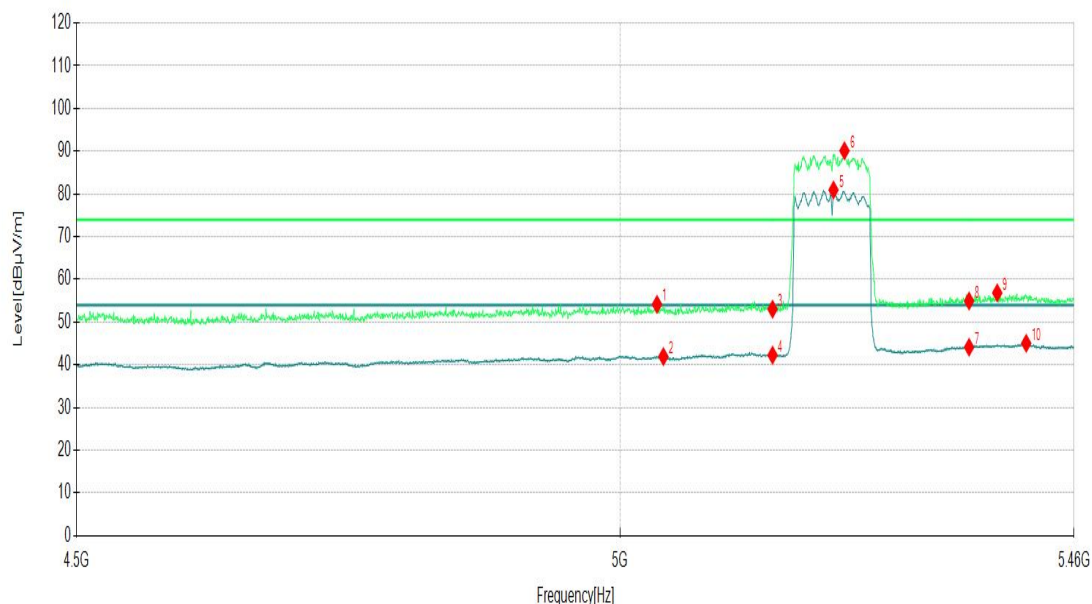
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH42	Frequency	5210 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5035.9480	46.63	7.52	54.15	74.00	19.85	365	249	PK
2	5042.1911	34.36	7.58	41.94	54.00	12.06	158	201	AV
3	5150.0000	45.01	8.03	53.04	74.00	20.96	283	279	PK
4	5150.0000	34.24	8.03	42.27	54.00	11.73	183	196	AV
5	5211.2356	72.40	8.54	80.94			322	218	AV
6	5222.2811	81.92	8.20	90.12			149	226	PK
7	5350.0000	34.16	9.96	44.12	54.00	9.88	247	131	AV
8	5350.0000	44.98	9.96	54.94	74.00	19.06	202	314	PK
9	5379.3197	46.73	10.11	56.84	74.00	17.16	247	121	PK
10	5409.5748	34.76	10.28	45.04	54.00	8.96	171	58	AV
11	10420.0000	27.41	14.27	41.68	68.20	26.52	347	56	PK
12	10420.0000	17.87	14.27	32.14	54.00	21.86	308	289	AV
13	15630.0000	23.10	20.00	43.10	74.00	30.90	352	272	PK
14	15630.0000	13.33	20.00	33.33	54.00	20.67	211	360	AV



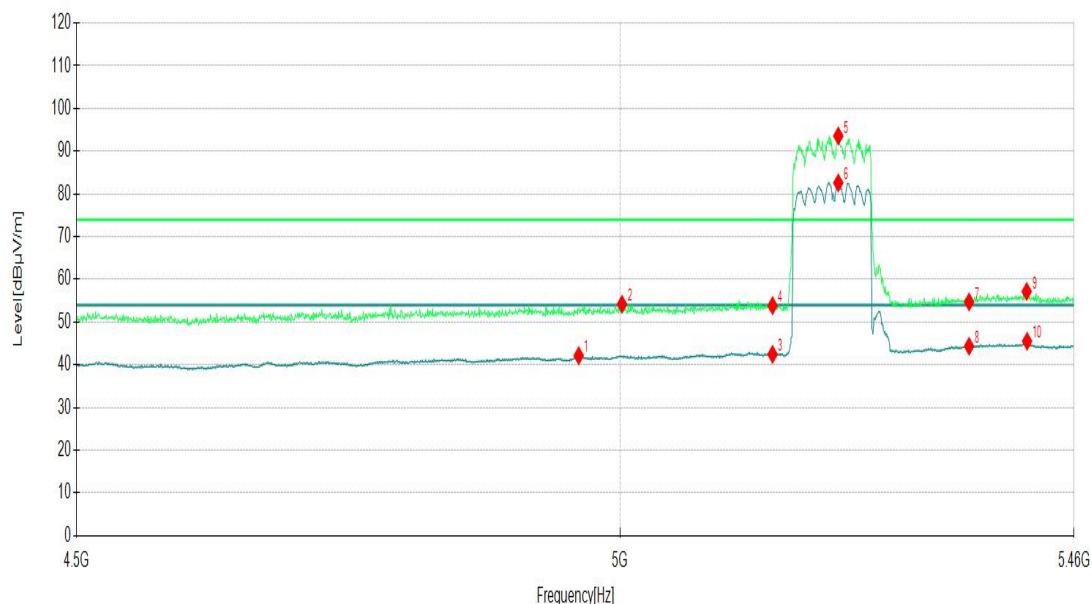
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax80 CH42	Frequency	5210 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4960.0700	34.72	7.44	42.16	54.00	11.84	356	221	AV
2	5001.8509	46.69	7.51	54.20	74.00	19.80	274	63	PK
3	5150.0000	34.43	8.03	42.46	54.00	11.54	262	257	AV
4	5150.0000	45.82	8.03	53.85	74.00	20.15	285	248	PK
5	5216.0380	85.23	8.35	93.58			169	134	PK
6	5216.0380	74.25	8.35	82.60			321	127	AV
7	5350.0000	44.78	9.96	54.74	74.00	19.26	185	283	PK
8	5350.0000	34.40	9.96	44.36	54.00	9.64	187	50	AV
9	5410.0550	46.88	10.29	57.17	74.00	16.83	229	291	PK
10	5410.5353	35.27	10.27	45.54	54.00	8.46	294	10	AV
11	10420.0000	26.78	14.27	41.05	68.20	27.15	256	348	PK
12	10420.0000	17.80	14.27	32.07	54.00	21.93	100	96	AV
13	15630.0000	22.92	20.00	42.92	74.00	31.08	270	1	PK
14	15630.0000	13.67	20.00	33.67	54.00	20.33	151	82	AV



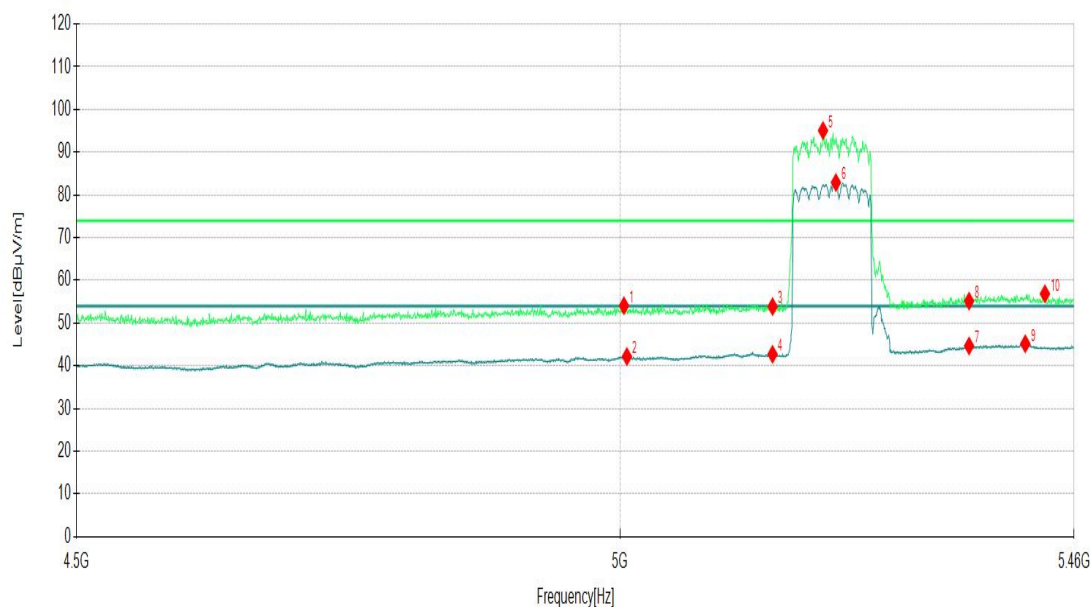
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax80 CH42	Frequency	5210 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5003.7719	46.59	7.49	54.08	74.00	19.92	197	341	PK
2	5006.6533	34.72	7.45	42.17	54.00	11.83	373	173	AV
3	5150.0000	45.84	8.03	53.87	74.00	20.13	199	107	PK
4	5150.0000	34.68	8.03	42.71	54.00	11.29	104	190	AV
5	5200.6703	87.39	7.70	95.09			323	230	PK
6	5213.6368	74.46	8.44	82.90			267	324	AV
7	5350.0000	34.70	9.96	44.66	54.00	9.34	338	264	AV
8	5350.0000	45.20	9.96	55.16	74.00	18.84	367	152	PK
9	5408.6143	34.91	10.26	45.17	54.00	8.83	217	264	AV
10	5429.2646	47.00	9.85	56.85	74.00	17.15	343	52	PK
11	10420.0000	27.34	14.27	41.61	68.20	26.59	283	195	PK
12	10420.0000	18.24	14.27	32.51	54.00	21.49	162	342	AV
13	15630.0000	22.68	20.00	42.68	74.00	31.32	299	325	PK
14	15630.0000	13.95	20.00	33.95	54.00	20.05	167	235	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11ac160 CH50		Frequency		5250 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5027.7839	46.59	7.33	53.92	74.00	20.08	211	213	PK
2	5034.0270	34.46	7.45	41.91	54.00	12.09	152	350	AV
3	5150.0000	45.17	8.03	53.20	68.20	15.00	166	30	PK
4	5150.0000	34.21	8.03	42.24	54.00	11.76	166	359	AV
5	5264.5423	79.12	9.03	88.15			196	59	PK
6	5264.5423	70.47	9.03	79.50			154	46	AV
7	5350.0000	34.00	9.96	43.96	54.00	10.04	267	1	AV
8	5350.0000	45.45	9.96	55.41	74.00	18.59	155	296	PK
9	5407.6538	34.58	10.23	44.81	54.00	9.19	180	222	AV
10	5408.6143	46.97	10.26	57.23	74.00	16.77	127	268	PK
11	10520.0000	18.00	14.32	32.32	54.00	21.68	222	207	AV
12	10520.0000	26.56	14.32	40.88	68.20	27.32	164	50	PK
13	15780.0000	12.43	20.63	33.06	54.00	20.94	181	246	AV
14	15780.0000	22.28	20.63	42.91	74.00	31.09	289	233	PK

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11ac160 CH50		Frequency		5250 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5080.1301	46.66	7.82	54.48	74.00	19.52	174	111	PK
2	5107.9840	34.75	7.97	42.72	54.00	11.28	189	266	AV
3	5150.0000	45.52	8.03	53.55	68.20	14.65	284	178	PK
4	5150.0000	34.16	8.03	42.19	54.00	11.81	152	203	AV
5	5263.5818	70.11	9.10	79.21			202	270	AV
6	5264.5423	78.77	9.03	87.80			233	258	PK
7	5350.0000	34.17	9.96	44.13	54.00	9.87	134	287	AV
8	5350.0000	45.24	9.96	55.20	74.00	18.80	132	119	PK
9	5410.5353	34.84	10.27	45.11	54.00	8.89	135	338	AV
10	5416.2981	46.99	9.96	56.95	74.00	17.05	264	325	PK
11	10520.0000	18.00	14.32	32.32	54.00	21.68	188	207	AV
12	10520.0000	26.56	14.32	40.88	68.20	27.32	274	50	PK
13	15780.0000	12.43	20.63	33.06	54.00	20.94	219	246	AV
14	15780.0000	22.28	20.63	42.91	74.00	31.09	156	233	PK

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax160 CH50	Frequency	5250 MHz						
Frequency Range	Above 1G	Detector Function	PK/AV						
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5074.3672	46.26	7.58	53.84	74.00	20.16	167	162	PK
2	5110.3852	34.84	8.07	42.91	54.00	11.09	276	208	AV
3	5150.0000	45.03	8.03	53.06	68.20	15.14	133	350	PK
4	5150.0000	34.09	8.03	42.12	54.00	11.88	243	6	AV
5	5263.5818	70.34	9.10	79.44			216	46	AV
6	5284.2321	81.93	8.59	90.52			122	63	PK
7	5350.0000	34.31	9.96	44.27	54.00	9.73	131	350	AV
8	5350.0000	45.28	9.96	55.24	74.00	18.76	212	150	PK
9	5410.0550	34.62	10.29	44.91	54.00	9.09	182	125	AV
10	5424.9425	46.90	9.81	56.71	74.00	17.29	204	55	PK
11	10520.0000	26.76	14.32	41.08	68.20	27.12	266	253	PK
12	10520.0000	18.06	14.32	32.38	54.00	21.62	298	118	AV
13	15780.0000	21.45	20.63	42.08	74.00	31.92	244	154	PK
14	15780.0000	12.19	20.63	32.82	54.00	21.18	274	240	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11ax160 CH50		Frequency		5250 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5039.7899	34.39	7.66	42.05	54.00	11.95	287	95	AV
2	5066.6833	46.45	7.38	53.83	74.00	20.17	285	125	PK
3	5150.0000	45.53	8.03	53.56	68.20	14.64	226	129	PK
4	5150.0000	34.14	8.03	42.17	54.00	11.83	250	229	AV
5	5262.6213	70.29	9.17	79.46			122	266	AV
6	5312.5663	80.73	9.15	89.88			221	258	PK
7	5350.0000	34.29	9.96	44.25	54.00	9.75	262	99	AV
8	5350.0000	44.83	9.96	54.79	74.00	19.21	257	295	PK
9	5410.5353	34.85	10.27	45.12	54.00	8.88	231	250	AV
10	5413.8969	46.38	10.09	56.47	74.00	17.53	206	350	PK
11	10520.0000	26.76	14.32	41.08	68.20	27.12	200	253	PK
12	10520.0000	18.06	14.32	32.38	54.00	21.62	149	118	AV
13	15780.0000	21.45	20.63	42.08	74.00	31.92	260	154	PK
14	15780.0000	12.19	20.63	32.82	54.00	21.18	163	240	AV

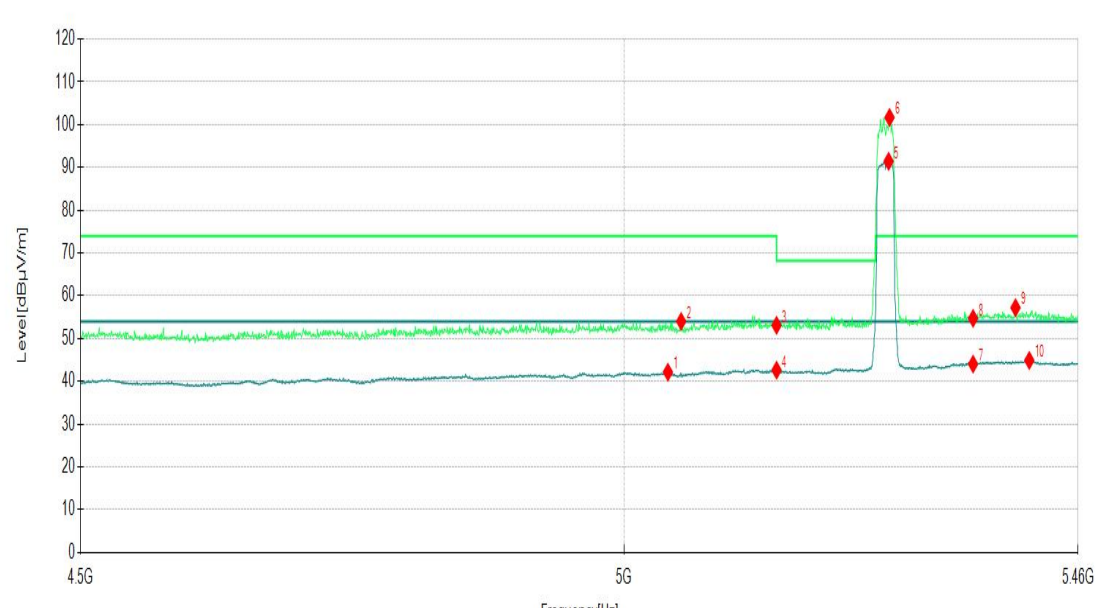
The graph displays the emission level in dBμV/m across a frequency range from 4.5G to 5.46G Hz. The y-axis ranges from 0 to 120 dBμV/m. The x-axis is marked at 4.5G, 5G, and 5.46G. A green line represents the limit, and a blue line represents the reading. Red diamonds indicate specific measurement points. Points 1 through 10 are labeled, corresponding to the data in the table above. The graph shows a significant increase in level around 5.2G Hz, peaking at point 6 (89.88 dBμV/m).

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]

3.1.7 TEST RESULTS - Band 2 (5260-5320MHz):

ABOVE 1GHz DATA

Channel		802.11a CH52		Frequency		5260 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5042.6713	34.60	7.56	42.16	54.00	11.84	275	260	AV
2	5055.6378	46.72	7.31	54.03	74.00	19.97	250	105	PK
3	5150.0000	45.08	8.03	53.11	68.20	15.09	277	332	PK
4	5150.0000	34.58	8.03	42.61	54.00	11.39	395	0	AV
5	5263.1016	82.30	9.14	91.44			127	122	AV
6	5264.0620	92.62	9.07	101.69			379	122	PK
7	5350.0000	34.08	9.96	44.04	54.00	9.96	335	212	AV
8	5350.0000	44.78	9.96	54.74	74.00	19.26	307	28	PK
9	5394.2071	47.18	10.04	57.22	74.00	16.78	276	332	PK
10	5408.6143	34.63	10.26	44.89	54.00	9.11	394	105	AV
11	10520.0000	26.34	14.32	40.66	68.20	27.54	151	182	PK
12	10520.0000	18.04	14.32	32.36	54.00	21.64	226	66	AV
13	15780.0000	22.54	20.63	43.17	74.00	30.83	237	301	PK
14	15780.0000	12.81	20.63	33.44	54.00	20.56	376	126	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

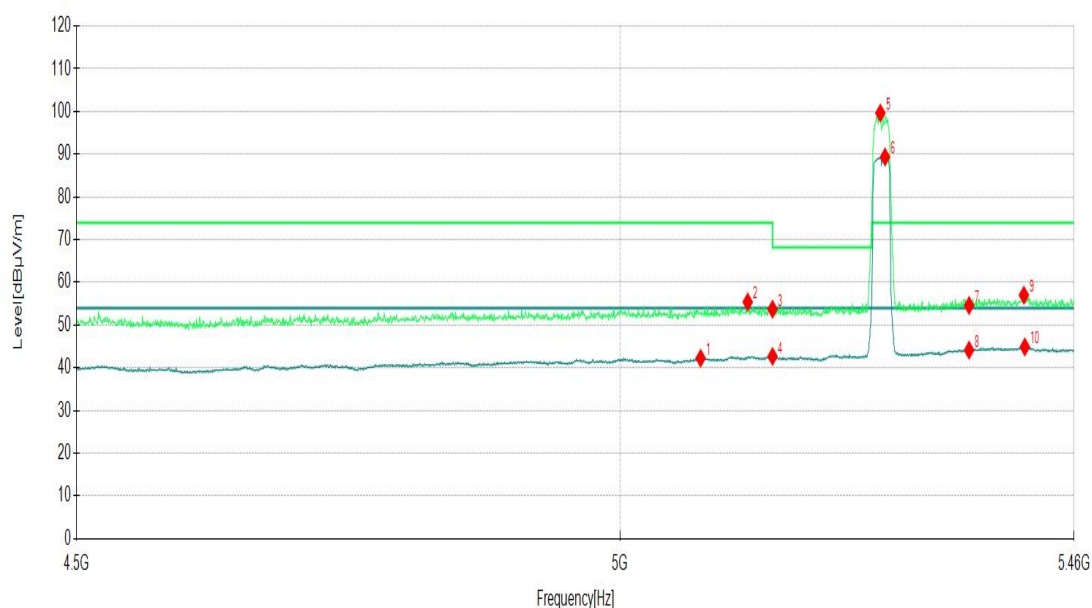


2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]

Channel	802.11a CH52	Frequency	5260 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5078.6893	34.48	7.76	42.24	54.00	11.76	275	267	AV
2	5125.2726	47.39	8.02	55.41	74.00	18.59	236	35	PK
3	5150.0000	45.71	8.03	53.74	68.20	14.46	218	233	PK
4	5150.0000	34.65	8.03	42.68	54.00	11.32	329	272	AV
5	5258.7794	90.42	9.22	99.64			205	280	PK
6	5263.5818	80.27	9.10	89.37			363	280	AV
7	5350.0000	44.64	9.96	54.60	74.00	19.40	331	143	PK
8	5350.0000	34.18	9.96	44.14	54.00	9.86	329	10	AV
9	5407.1736	46.79	10.22	57.01	74.00	16.99	183	301	PK
10	5408.1341	34.66	10.24	44.90	54.00	9.10	208	319	AV
11	10520.0000	27.68	14.32	42.00	68.20	26.20	215	109	PK
12	10520.0000	18.40	14.32	32.72	54.00	21.28	279	106	AV
13	15780.0000	21.88	20.63	42.51	74.00	31.49	296	242	PK
14	15780.0000	13.12	20.63	33.75	54.00	20.25	310	106	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.



2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]

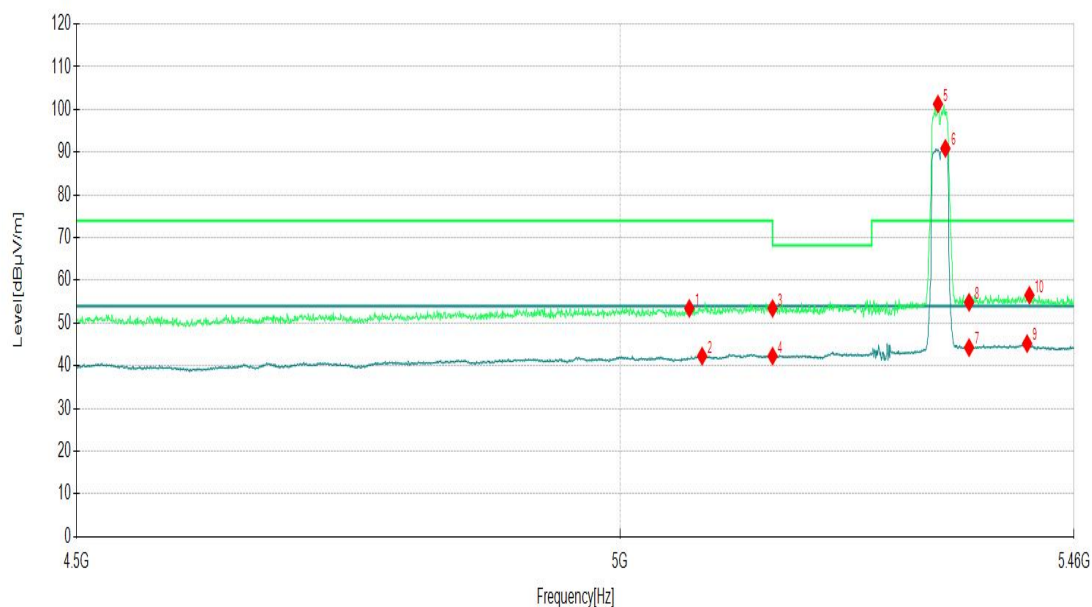
Channel		802.11a CH 56		Frequency		5300MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	10600.0000	18.16	14.18	32.34	54.00	21.66	324	112	AV
2	10600.0000	27.26	14.18	41.44	74.00	32.56	138	92	PK
3	15900.0000	13.22	20.99	34.21	54.00	19.79	148	122	AV
4	15900.0000	22.27	20.99	43.26	74.00	30.74	281	211	PK
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10600.0000	28.02	14.18	42.20	74.00	31.80	349	178	PK
2	10600.0000	18.49	14.18	32.67	54.00	21.33	366	257	AV
3	15900.0000	21.53	20.99	42.52	74.00	31.48	366	23	PK
4	15900.0000	13.87	20.99	34.86	54.00	19.14	275	92	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel	802.11a CH64	Frequency	5320 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5067.6438	46.06	7.39	53.45	74.00	20.55	280	203	PK
2	5080.1301	34.45	7.82	42.27	54.00	11.73	170	195	AV
3	5150.0000	45.42	8.03	53.45	68.20	14.75	339	349	PK
4	5150.0000	34.26	8.03	42.29	54.00	11.71	191	272	AV
5	5317.8489	92.25	9.03	101.28			117	173	PK
6	5325.5328	81.62	9.27	90.89			373	178	AV
7	5350.0000	34.30	9.96	44.26	54.00	9.74	198	182	AV
8	5350.0000	44.92	9.96	54.88	74.00	19.12	205	276	PK
9	5410.5353	34.94	10.27	45.21	54.00	8.79	219	15	AV
10	5412.9365	46.39	10.14	56.53	74.00	17.47	171	92	PK
11	10640.0000	26.80	14.17	40.97	74.00	33.03	262	154	PK
12	10640.0000	17.77	14.17	31.94	54.00	22.06	291	313	AV
13	15960.0000	22.68	21.31	43.99	74.00	30.01	361	224	PK
14	15960.0000	13.26	21.31	34.57	54.00	19.43	154	52	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11a CH64		Frequency		5320 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5061.8809	47.15	7.36	54.51	74.00	19.49	142	87	PK
2	5062.8414	34.72	7.36	42.08	54.00	11.92	363	288	AV
3	5150.0000	44.70	8.03	52.73	68.20	15.47	216	292	PK
4	5150.0000	34.30	8.03	42.33	54.00	11.67	125	134	AV
5	5317.8489	90.32	9.03	99.35			259	331	PK
6	5325.5328	79.97	9.27	89.24			135	232	AV
7	5350.0000	34.17	9.96	44.13	54.00	9.87	131	78	AV
8	5350.0000	45.68	9.96	55.64	74.00	18.36	309	228	PK
9	5407.1736	34.79	10.22	45.01	54.00	8.99	236	116	AV
10	5420.1401	46.90	9.76	56.66	74.00	17.34	224	10	PK
11	10640.0000	26.81	14.17	40.98	74.00	33.02	230	182	PK
12	10640.0000	18.21	14.17	32.38	54.00	21.62	268	36	AV
13	15960.0000	22.23	21.31	43.54	74.00	30.46	332	278	PK
14	15960.0000	13.68	21.31	34.99	54.00	19.01	247	43	AV

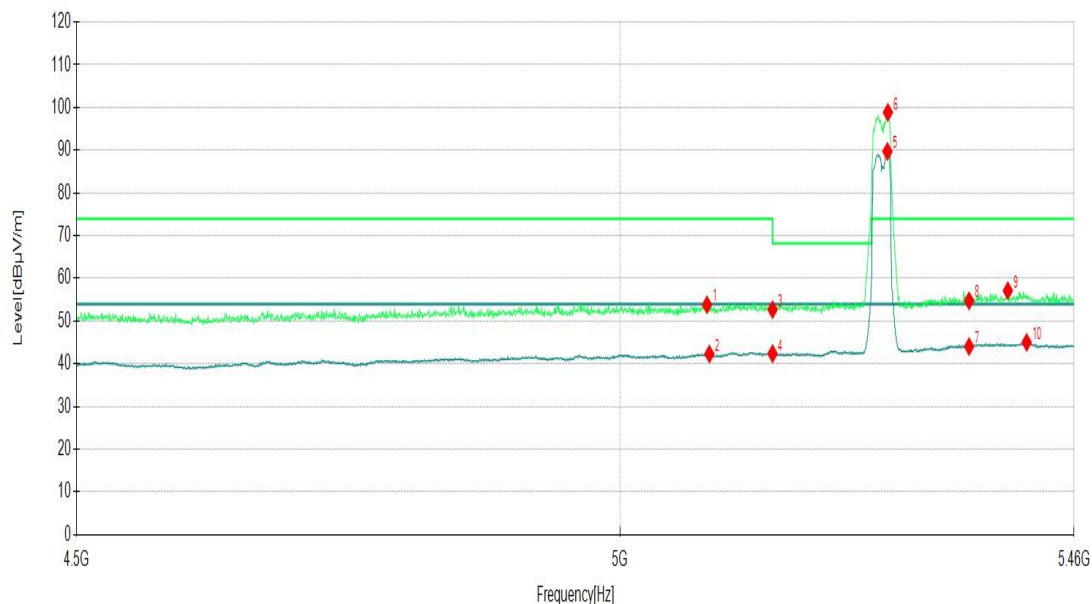
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH52	Frequency	5260 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5084.9325	46.11	7.71	53.82	74.00	20.18	311	200	PK
2	5087.3337	34.65	7.66	42.31	54.00	11.69	354	358	AV
3	5150.0000	44.68	8.03	52.71	68.20	15.49	204	20	PK
4	5150.0000	34.36	8.03	42.39	54.00	11.61	270	93	AV
5	5265.9830	80.80	8.93	89.73			104	42	AV
6	5266.4632	89.94	8.90	98.84			161	128	PK
7	5350.0000	34.08	9.96	44.04	54.00	9.96	333	166	AV
8	5350.0000	44.79	9.96	54.75	74.00	19.25	317	187	PK
9	5390.3652	47.07	10.05	57.12	74.00	16.88	127	7	PK
10	5410.0550	34.73	10.29	45.02	54.00	8.98	116	235	AV
11	10520.0000	26.94	14.32	41.26	68.20	26.94	300	248	PK
12	10520.0000	17.34	14.32	31.66	54.00	22.34	127	188	AV
13	15780.0000	22.03	20.63	42.66	74.00	31.34	305	333	PK
14	15780.0000	12.55	20.63	33.18	54.00	20.82	254	353	AV



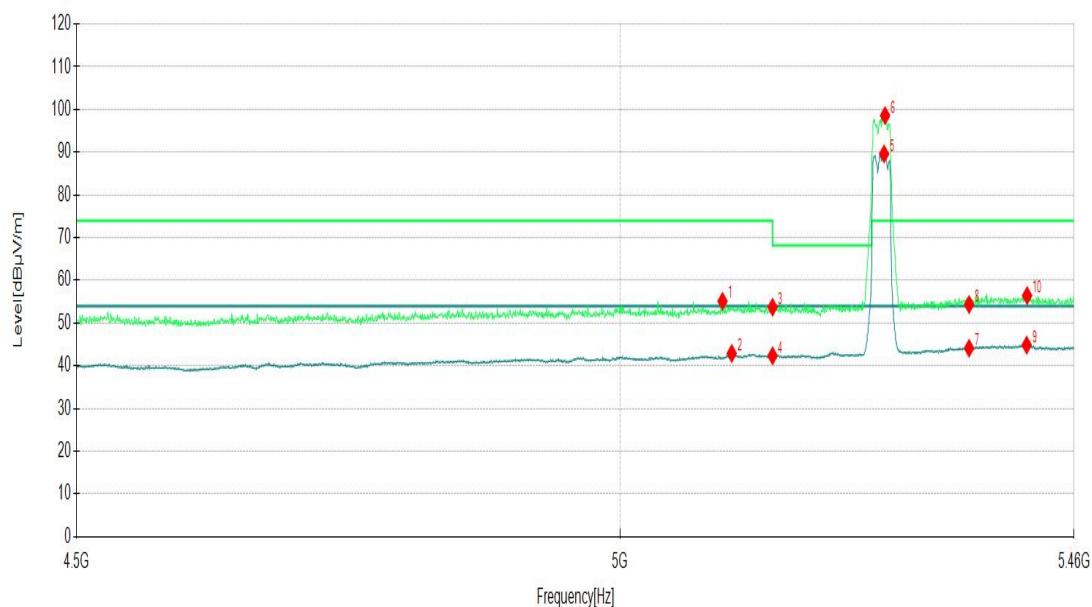
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH52	Frequency	5260 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5100.3002	47.57	7.57	55.14	74.00	18.86	215	206	PK
2	5109.4247	34.85	8.05	42.90	54.00	11.10	331	103	AV
3	5150.0000	45.70	8.03	53.73	68.20	14.47	128	347	PK
4	5150.0000	34.32	8.03	42.35	54.00	11.65	369	77	AV
5	5262.6213	80.44	9.17	89.61			115	334	AV
6	5263.5818	89.48	9.10	98.58			264	334	PK
7	5350.0000	34.16	9.96	44.12	54.00	9.88	132	189	AV
8	5350.0000	44.40	9.96	54.36	74.00	19.64	131	103	PK
9	5410.0550	34.57	10.29	44.86	54.00	9.14	103	325	AV
10	5410.5353	46.17	10.27	56.44	74.00	17.56	162	278	PK
11	10520.0000	27.52	14.32	41.84	68.20	26.36	122	112	PK
12	10520.0000	18.00	14.32	32.32	54.00	21.68	324	23	AV
13	15780.0000	21.59	20.63	42.22	74.00	31.78	357	105	PK
14	15780.0000	13.29	20.63	33.92	54.00	20.08	146	155	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



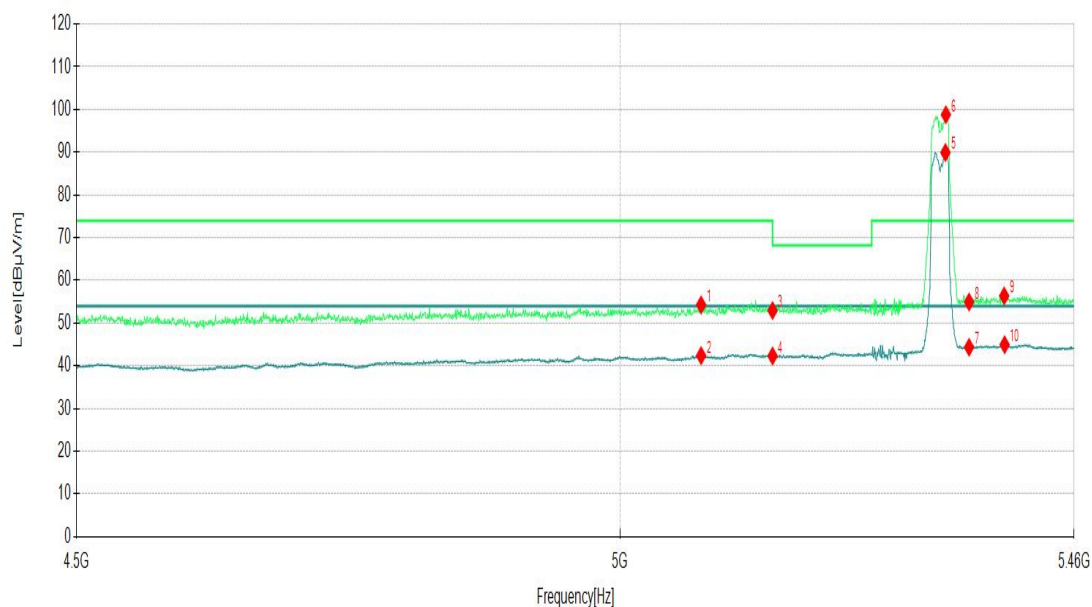
Channel		802.11n20 CH 56			Frequency		5300MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11000.0000	27.00	14.83	41.83	74.00	32.17	121	248	PK
2	11000.0000	17.39	14.83	32.22	54.00	21.78	278	199	AV
3	16500.0000	20.38	23.16	43.54	68.20	24.66	298	46	PK
4	16500.0000	12.00	23.16	35.16	54.00	18.84	274	106	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10600.0000	27.56	14.18	41.74	74.00	32.26	284	215	PK
2	10600.0000	18.12	14.18	32.30	54.00	21.70	104	172	AV
3	15900.0000	22.03	20.99	43.02	74.00	30.98	367	229	PK
4	15900.0000	13.46	20.99	34.45	54.00	19.55	320	63	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									



Channel	802.11n20 CH64	Frequency	5320 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5079.1696	46.49	7.78	54.27	74.00	19.73	164	277	PK
2	5079.1696	34.60	7.78	42.38	54.00	11.62	124	281	AV
3	5150.0000	44.91	8.03	52.94	68.20	15.26	120	174	PK
4	5150.0000	34.28	8.03	42.31	54.00	11.69	183	217	AV
5	5325.5328	80.67	9.27	89.94			157	118	AV
6	5326.0130	89.51	9.29	98.80			199	127	PK
7	5350.0000	34.39	9.96	44.35	54.00	9.65	255	353	AV
8	5350.0000	44.98	9.96	54.94	74.00	19.06	306	136	PK
9	5386.5233	46.29	10.08	56.37	74.00	17.63	257	0	PK
10	5387.0035	34.86	10.08	44.94	54.00	9.06	223	144	AV
11	10640.0000	27.28	14.17	41.45	74.00	32.55	295	344	PK
12	10640.0000	17.74	14.17	31.91	54.00	22.09	347	23	AV
13	15960.0000	22.14	21.31	43.45	74.00	30.55	115	347	PK
14	15960.0000	13.62	21.31	34.93	54.00	19.07	124	63	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

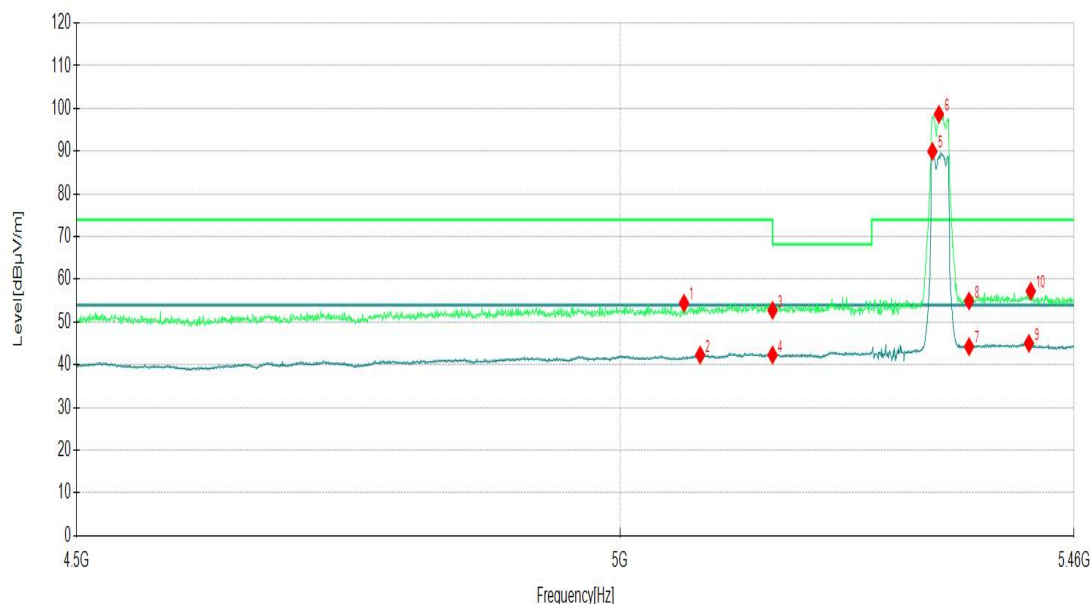
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH64	Frequency	5320 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5062.3612	47.09	7.36	54.45	74.00	19.55	250	44	PK
2	5078.2091	34.56	7.74	42.30	54.00	11.70	157	35	AV
3	5150.0000	44.73	8.03	52.76	68.20	15.44	276	26	PK
4	5150.0000	34.28	8.03	42.31	54.00	11.69	227	301	AV
5	5312.0860	80.81	9.16	89.97			375	348	AV
6	5318.8094	89.67	9.00	98.67			360	215	PK
7	5350.0000	34.30	9.96	44.26	54.00	9.74	124	224	AV
8	5350.0000	45.01	9.96	54.97	74.00	19.03	281	245	PK
9	5412.4562	34.87	10.16	45.03	54.00	8.97	184	284	AV
10	5414.3772	47.18	10.06	57.24	74.00	16.76	172	134	PK
11	10640.0000	27.35	14.17	41.52	74.00	32.48	165	113	PK
12	10640.0000	17.65	14.17	31.82	54.00	22.18	258	146	AV
13	15960.0000	23.01	21.31	44.32	74.00	29.68	354	26	PK
14	15960.0000	13.90	21.31	35.21	54.00	18.79	324	106	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH54			Frequency	5270 MHz				
Frequency Range	Above 1G			Detector Function	PK/AV				
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5035.9480	46.18	7.52	53.70	74.00	20.30	356	327	PK
2	5041.7109	34.48	7.60	42.08	54.00	11.92	220	152	AV
3	5150.0000	44.80	8.03	52.83	68.20	15.37	337	156	PK
4	5150.0000	34.33	8.03	42.36	54.00	11.64	112	161	AV
5	5265.9830	77.58	8.93	86.51			182	38	AV
6	5267.9040	85.51	8.80	94.31			283	34	PK
7	5350.0000	34.12	9.96	44.08	54.00	9.92	280	0	AV
8	5350.0000	44.36	9.96	54.32	74.00	19.68	230	356	PK
9	5409.0945	34.63	10.27	44.90	54.00	9.10	331	43	AV
10	5411.4957	46.50	10.21	56.71	74.00	17.29	196	56	PK
11	10540.0000	27.20	14.39	41.59	68.20	26.61	313	209	PK
12	10540.0000	18.17	14.39	32.56	54.00	21.44	112	285	AV
13	15810.0000	22.21	20.56	42.77	74.00	31.23	224	90	PK
14	15810.0000	13.76	20.56	34.32	54.00	19.68	380	360	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

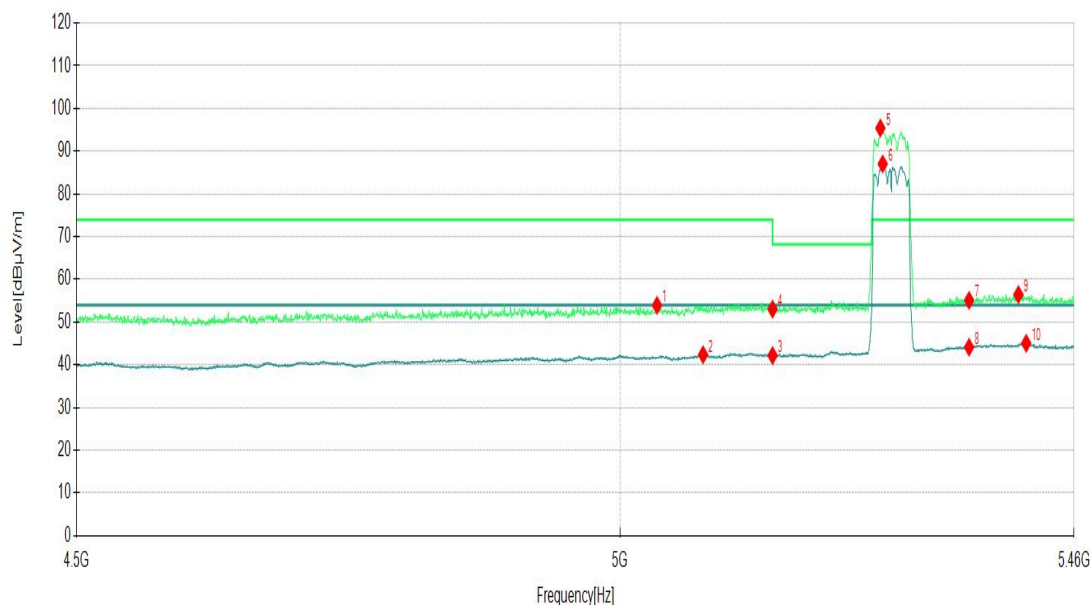
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH54	Frequency	5270 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5035.9480	46.40	7.52	53.92	74.00	20.08	138	314	PK
2	5081.0905	34.57	7.79	42.36	54.00	11.64	197	288	AV
3	5150.0000	34.17	8.03	42.20	54.00	11.80	185	327	AV
4	5150.0000	45.01	8.03	53.04	74.00	19.96	190	250	PK
5	5258.7794	86.21	9.22	95.43			135	228	PK
6	5261.1806	77.76	9.27	87.03			253	228	AV
7	5350.0000	45.14	9.96	55.10	74.00	19.10	371	78	PK
8	5350.0000	34.16	9.96	44.12	54.00	9.88	299	35	AV
9	5401.4107	46.38	10.06	56.44	74.00	17.56	400	61	PK
10	5409.5748	34.76	10.28	45.04	54.00	8.96	107	151	AV
11	10540.0000	27.88	14.39	42.27	68.20	25.93	339	6	PK
12	10540.0000	17.68	14.39	32.07	54.00	21.93	361	140	AV
13	15810.0000	21.47	20.56	42.03	74.00	31.97	265	299	PK
14	15810.0000	13.31	20.56	33.87	54.00	20.13	300	312	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11n40 CH62		Frequency		5310 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5078.6893	34.60	7.76	42.36	54.00	11.64	150	371	AV
2	5081.5708	46.75	7.78	54.53	74.00	19.47	150	193	PK
3	5150.0000	45.08	8.03	53.11	68.20	15.09	150	334	PK
4	5150.0000	34.27	8.03	42.30	54.00	11.70	150	263	AV
5	5305.8429	85.91	9.05	94.96			150	356	PK
6	5305.8429	78.03	9.05	87.08			150	261	AV
7	5350.0000	34.23	9.96	44.19	54.00	9.81	150	203	AV
8	5350.0000	44.99	9.96	54.95	74.00	19.05	150	251	PK
9	5411.4957	34.85	10.21	45.06	54.00	8.94	150	392	AV
10	5411.9760	47.33	10.19	57.52	74.00	16.48	150	150	PK
11	10620.0000	26.78	14.27	41.05	74.00	32.95	150	154	PK
12	10620.0000	17.75	14.27	32.02	54.00	21.98	150	164	AV
13	15930.0000	22.08	21.20	43.28	74.00	30.72	150	258	PK
14	15930.0000	12.96	21.20	34.16	54.00	19.84	150	140	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

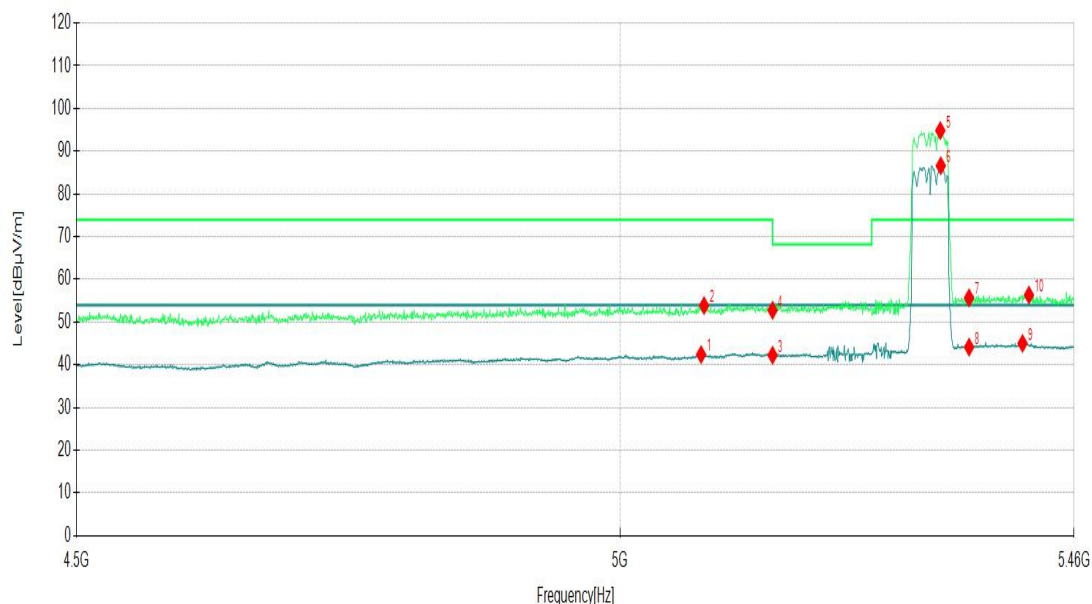
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH62	Frequency	5310 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5079.1696	34.62	7.78	42.40	54.00	11.60	175	65	AV
2	5082.0510	46.10	7.77	53.87	74.00	20.13	284	184	PK
3	5150.0000	34.24	8.03	42.27	54.00	11.73	101	347	AV
4	5150.0000	44.73	8.03	52.76	68.20	15.44	342	219	PK
5	5320.2501	85.84	8.99	94.83			131	223	PK
6	5320.7304	77.59	9.01	86.60			207	219	AV
7	5350.0000	45.72	9.96	55.68	74.00	18.32	248	313	PK
8	5350.0000	34.18	9.96	44.14	54.00	9.86	394	14	AV
9	5405.7329	34.84	10.18	45.02	54.00	8.98	332	317	AV
10	5412.4562	46.17	10.16	56.33	74.00	17.67	368	133	PK
11	10620.0000	27.23	14.27	41.50	74.00	32.50	170	304	PK
12	10620.0000	18.01	14.27	32.28	54.00	21.72	399	238	AV
13	15930.0000	22.58	21.20	43.78	74.00	30.22	176	40	PK
14	15930.0000	13.09	21.20	34.29	54.00	19.71	355	202	AV



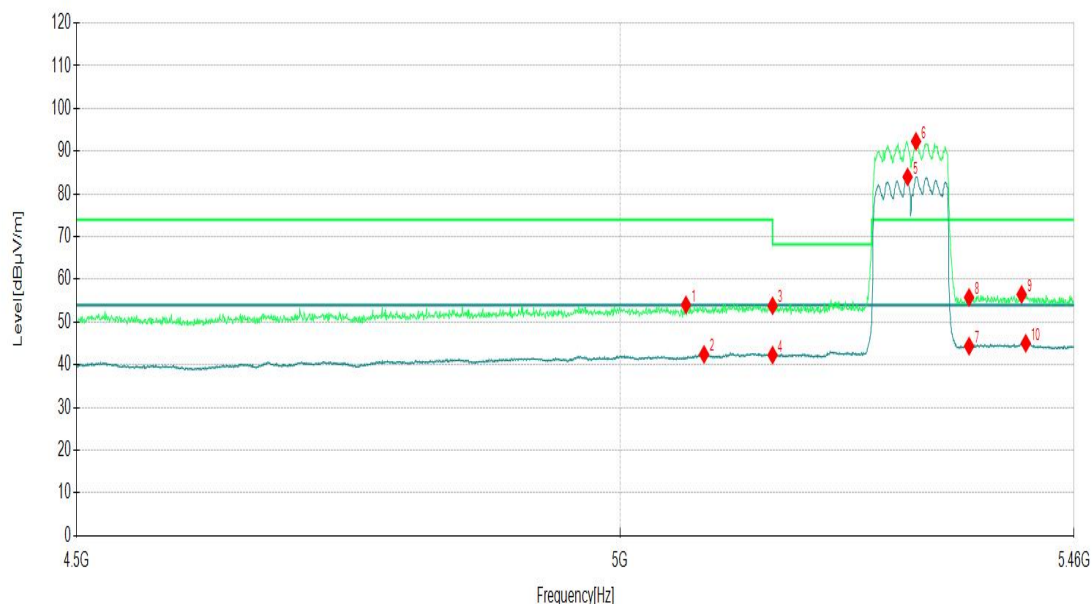
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH58	Frequency	5290 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

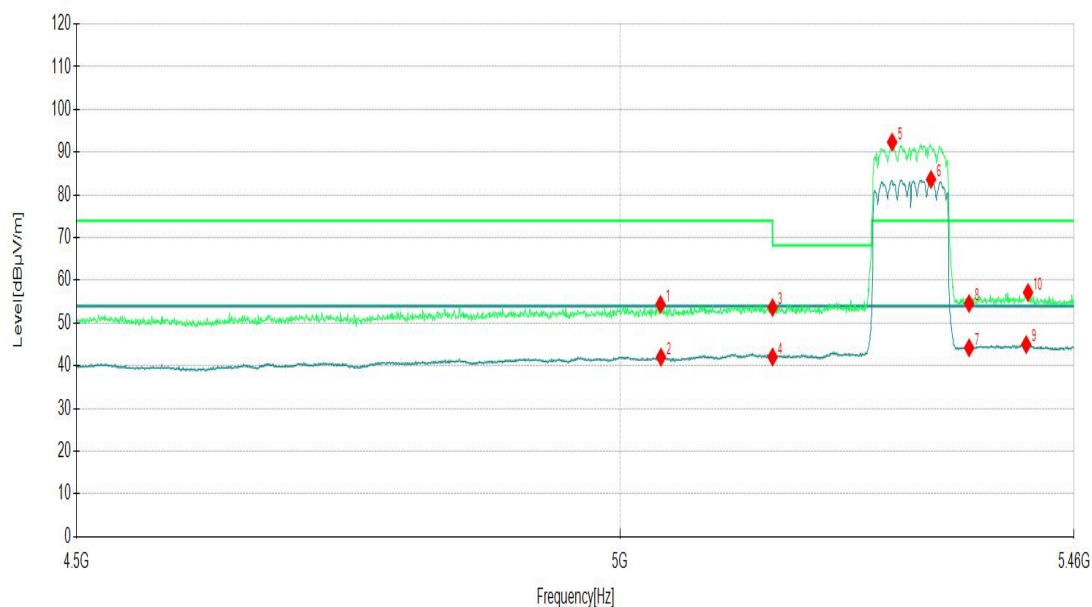
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5064.2821	46.68	7.37	54.05	74.00	19.95	230	251	PK
2	5082.0510	34.67	7.77	42.44	54.00	11.56	187	39	AV
3	5150.0000	45.80	8.03	53.83	68.20	14.37	352	121	PK
4	5150.0000	34.25	8.03	42.28	54.00	11.72	374	21	AV
5	5286.6333	75.39	8.60	83.99			324	130	AV
6	5295.2776	83.59	8.73	92.32			111	121	PK
7	5350.0000	34.42	9.96	44.38	54.00	9.62	125	307	AV
8	5350.0000	45.81	9.96	55.77	74.00	18.23	400	298	PK
9	5404.7724	46.33	10.15	56.48	74.00	17.52	207	116	PK
10	5409.0945	34.77	10.27	45.04	54.00	8.96	166	5	AV
11	10580.0000	27.10	14.11	41.21	68.20	26.99	106	176	PK
12	10580.0000	18.06	14.11	32.17	54.00	21.83	383	282	AV
13	15870.0000	22.61	20.81	43.42	74.00	30.58	160	176	PK
14	15870.0000	13.40	20.81	34.21	54.00	19.79	376	86	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11ac80 CH58			Frequency		5290 MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5039.3097	46.74	7.64	54.38	74.00	19.62	366	65	PK
2	5039.7899	34.38	7.66	42.04	54.00	11.96	148	344	AV
3	5150.0000	45.60	8.03	53.63	68.20	14.57	223	356	PK
4	5150.0000	34.05	8.03	42.08	54.00	11.92	112	358	AV
5	5270.7854	83.72	8.65	92.37			355	215	PK
6	5310.6453	74.43	9.20	83.63			393	224	AV
7	5350.0000	34.25	9.96	44.21	54.00	9.79	358	10	AV
8	5350.0000	44.63	9.96	54.59	74.00	19.41	203	211	PK
9	5409.5748	34.69	10.28	44.97	54.00	9.03	325	275	AV
10	5411.4957	46.95	10.21	57.16	74.00	16.84	122	44	PK
11	10580.0000	27.86	14.11	41.97	68.20	26.23	338	280	PK
12	10580.0000	18.25	14.11	32.36	54.00	21.64	256	320	AV
13	15870.0000	22.14	20.81	42.95	74.00	31.05	295	43	PK
14	15870.0000	14.03	20.81	34.84	54.00	19.16	203	166	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

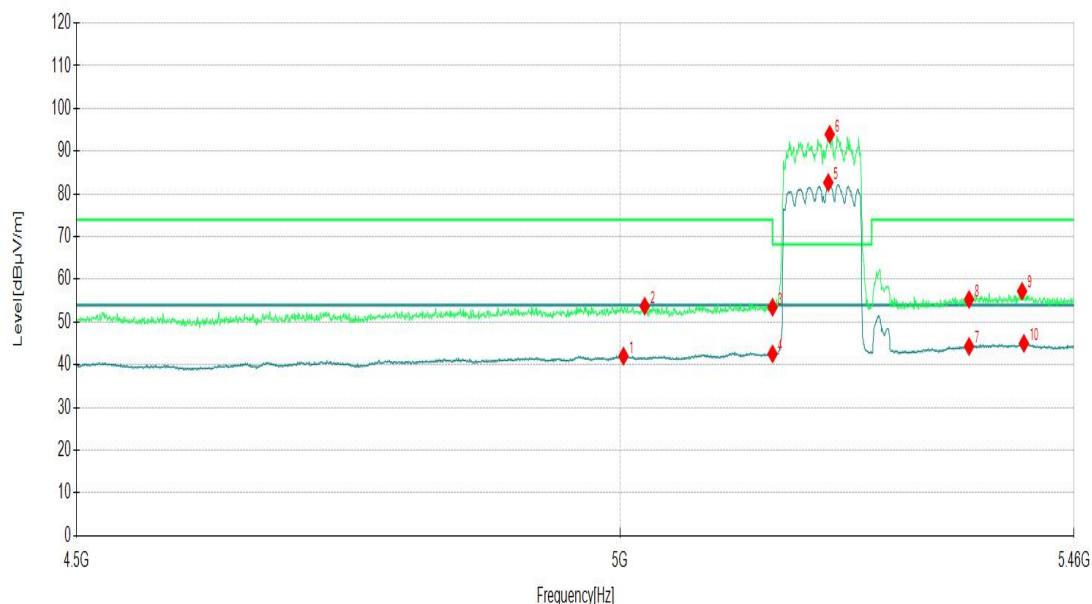
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax80 CH58	Frequency	5290 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5003.2916	34.53	7.50	42.03	54.00	11.97	112	124	AV
2	5023.9420	46.38	7.35	53.73	74.00	20.27	259	82	PK
3	5150.0000	45.46	8.03	53.49	68.20	14.71	215	230	PK
4	5150.0000	34.52	8.03	42.55	54.00	11.45	285	200	AV
5	5205.9530	74.47	8.20	82.67			300	124	AV
6	5207.3937	85.61	8.34	93.95			320	35	PK
7	5350.0000	34.34	9.96	44.30	54.00	9.70	390	213	AV
8	5350.0000	45.36	9.96	55.32	74.00	18.68	305	332	PK
9	5405.2526	47.07	10.16	57.23	74.00	16.77	117	99	PK
10	5407.1736	34.81	10.22	45.03	54.00	8.97	321	324	AV
11	10580.0000	26.67	14.11	40.78	68.20	27.42	197	105	PK
12	10580.0000	18.28	14.11	32.39	54.00	21.61	194	301	AV
13	15870.0000	22.37	20.81	43.18	74.00	30.82	395	125	PK
14	15870.0000	13.56	20.81	34.37	54.00	19.63	336	338	AV



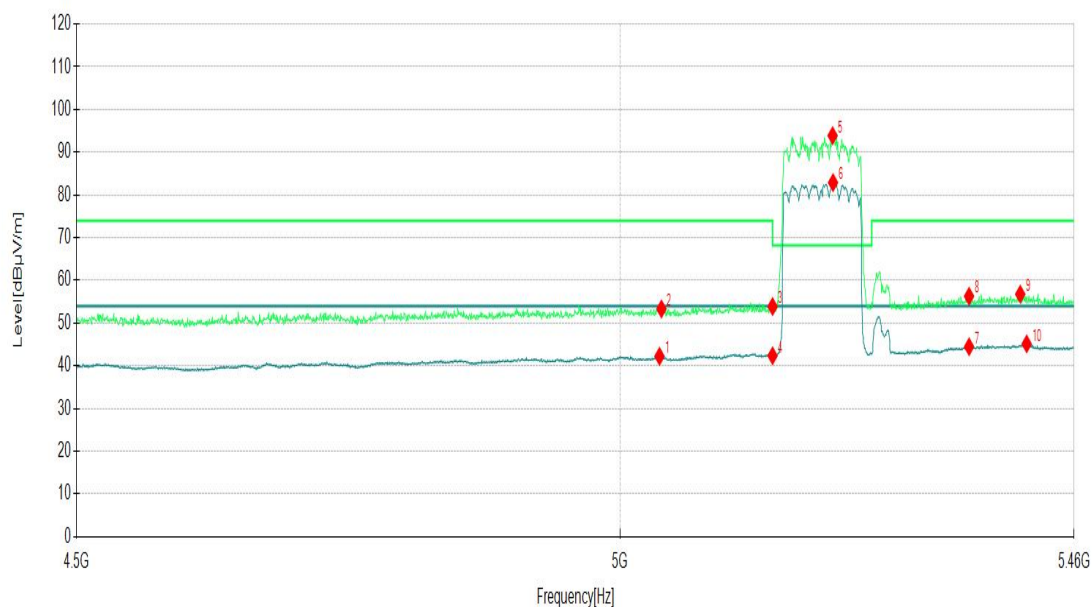
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax80 CH58	Frequency	5290 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5038.3492	34.63	7.61	42.24	54.00	11.76	276	69	AV
2	5040.2701	45.67	7.66	53.33	74.00	20.67	209	311	PK
3	5150.0000	45.86	8.03	53.89	68.20	14.31	334	337	PK
4	5150.0000	34.33	8.03	42.36	54.00	11.64	235	332	AV
5	5210.2751	85.32	8.57	93.89			397	214	PK
6	5210.7554	74.35	8.55	82.90			144	218	AV
7	5350.0000	34.51	9.96	44.47	54.00	9.53	231	252	AV
8	5350.0000	46.33	9.96	56.29	74.00	17.71	164	358	PK
9	5403.3317	46.68	10.11	56.79	74.00	17.21	337	316	PK
10	5410.0550	34.85	10.29	45.14	54.00	8.86	279	282	AV
11	10580.0000	27.26	14.11	41.37	68.20	26.83	385	26	PK
12	10580.0000	18.16	14.11	32.27	54.00	21.73	292	265	AV
13	15870.0000	23.56	20.81	44.37	74.00	29.63	261	348	PK
14	15870.0000	13.11	20.81	33.92	54.00	20.08	273	133	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



3.1.8 TEST RESULTS - Band 4 (5745-5825MHz):

ABOVE 1GHz DATA

Channel		802.11a CH149		Frequency		5745 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5632.8289	47.70	8.88	56.58	68.20	11.62	361	358	PK
2	5742.7589	91.90	8.94	100.84			387	119	PK
3	5942.1711	47.87	10.57	58.44	68.20	9.76	199	100	PK
4	11490.0000	24.61	15.04	39.65	74.00	34.35	246	209	PK
5	11490.0000	18.17	15.04	33.21	54.00	20.79	253	10	AV
6	17235.0000	21.67	25.53	47.20	68.20	21.00	128	219	PK
7	17235.0000	13.04	25.53	38.57	54.00	15.43	324	262	AV

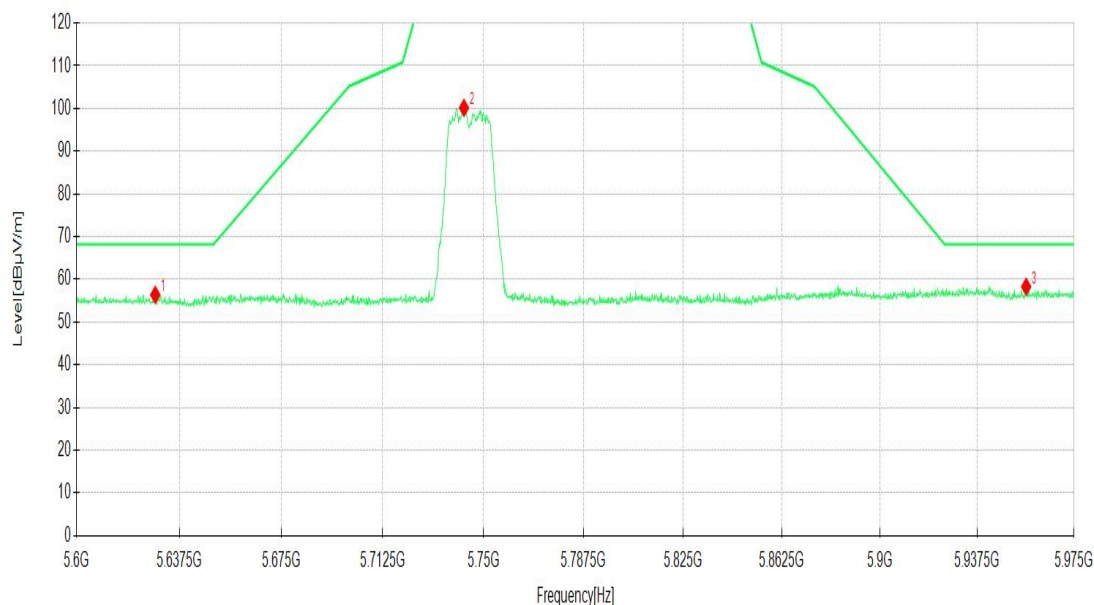
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a CH149	Frequency	5745 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5628.7019	47.33	9.04	56.37	68.20	11.83	321	256	PK
2	5742.7589	91.22	8.94	100.16			390	277	PK
3	5956.4282	48.31	9.98	58.29	68.20	9.91	310	199	PK
4	11490.0000	26.68	15.04	41.72	74.00	32.28	160	66	PK
5	11490.0000	17.59	15.04	32.63	54.00	21.37	319	276	AV
6	17235.0000	20.17	25.53	45.70	68.20	22.50	139	263	PK
7	17235.0000	12.97	25.53	38.50	54.00	15.50	112	26	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11a CH 157		Frequency		5785MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11570.0000	25.13	15.34	40.47	74.00	33.53	192	169	PK
2	11570.0000	18.22	15.34	33.56	54.00	20.44	223	6	AV
3	17355.0000	19.62	26.30	45.92	68.20	22.28	308	1	PK
4	17355.0000	12.71	26.30	39.01	54.00	14.99	361	228	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	11570.0000	25.35	15.34	40.69	74.00	33.31	302	232	PK
2	11570.0000	18.11	15.34	33.45	54.00	20.55	327	109	AV
3	17355.0000	19.69	26.30	45.99	68.20	22.21	250	229	PK
4	17355.0000	12.80	26.30	39.10	54.00	14.90	144	271	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									



Channel		802.11a CH165		Frequency		5825 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5642.0210	47.51	8.52	56.03	68.20	12.17	114	62	PK
2	5823.6118	91.00	8.81	99.81			223	118	PK
3	5945.7354	48.42	10.18	58.60	68.20	9.60	101	326	PK
4	11650.0000	26.10	15.21	41.31	74.00	32.69	291	355	PK
5	11650.0000	17.67	15.21	32.88	54.00	21.12	129	93	AV
6	17475.0000	19.41	26.05	45.46	68.20	22.74	113	282	PK
7	17475.0000	12.65	26.05	38.70	54.00	15.30	258	282	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

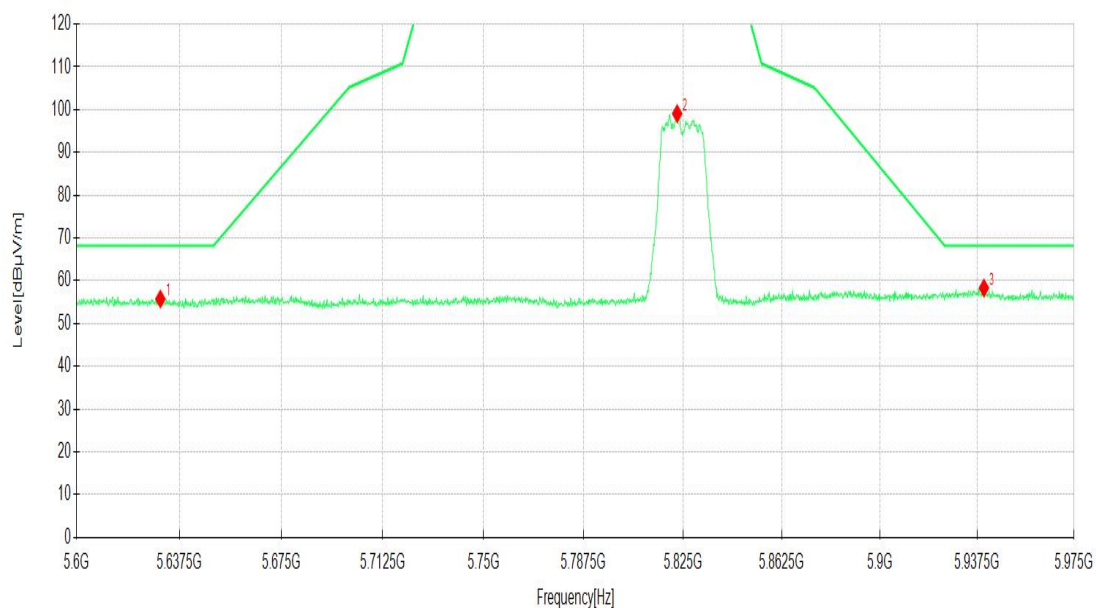
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a CH165	Frequency	5825 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5630.5778	46.75	9.01	55.76	68.20	12.44	220	272	PK
2	5822.8614	90.27	8.82	99.09			135	286	PK
3	5940.1076	47.53	10.80	58.33	68.20	9.87	178	242	PK
4	11650.0000	26.12	15.21	41.33	74.00	32.67	306	348	PK
5	11650.0000	18.83	15.21	34.04	54.00	19.96	198	299	AV
6	17475.0000	19.32	26.05	45.37	68.20	22.83	194	355	PK
7	17475.0000	11.90	26.05	37.95	54.00	16.05	206	252	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11n20 CH149		Frequency		5745 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5617.4462	47.19	9.00	56.19	68.20	12.01	315	144	PK
2	5750.8254	89.89	8.97	98.86			144	115	PK
3	5932.9790	47.34	10.59	57.93	68.20	10.27	150	0	PK
4	11490.0000	25.42	15.04	40.46	74.00	33.54	348	238	PK
5	11490.0000	17.60	15.04	32.64	54.00	21.36	389	119	AV
6	17235.0000	20.15	25.53	45.68	68.20	22.52	280	225	PK
7	17235.0000	13.51	25.53	39.04	54.00	14.96	208	16	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

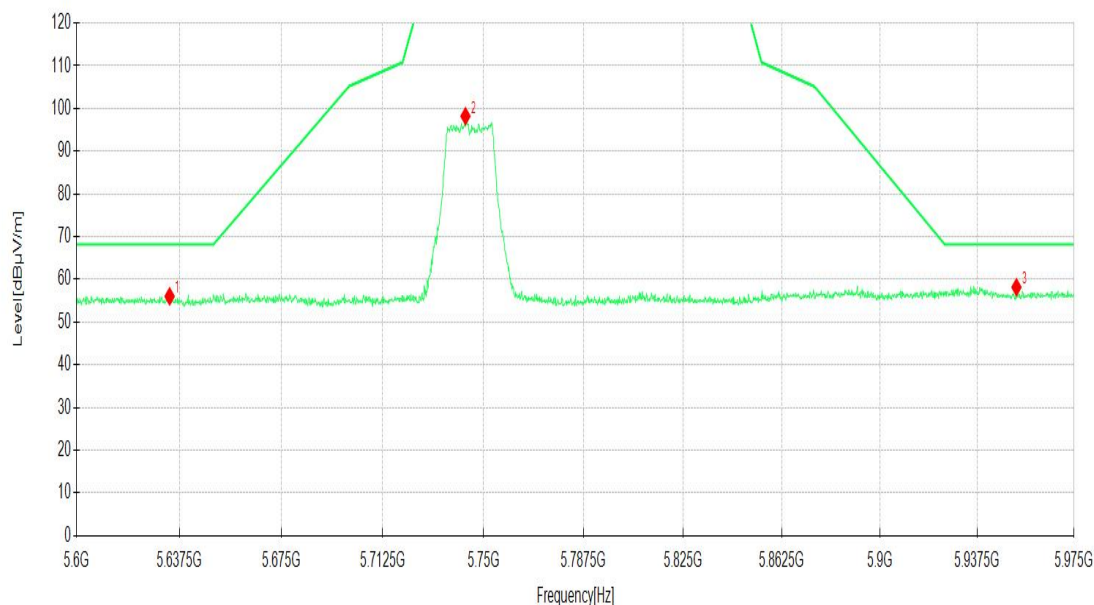
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH149	Frequency	5745 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5633.9545	47.21	8.81	56.02	68.20	12.18	270	177	PK
2	5743.3217	89.27	8.94	98.21			368	171	PK
3	5952.6763	48.36	9.82	58.18	68.20	10.02	120	150	PK
4	11490.0000	24.29	15.04	39.33	74.00	34.67	100	341	PK
5	11490.0000	17.71	15.04	32.75	54.00	21.25	171	341	AV
6	17235.0000	20.64	25.53	46.17	68.20	22.03	111	102	PK
7	17235.0000	13.23	25.53	38.76	54.00	15.24	395	347	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11n20 CH 157			Frequency		5785MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11570.0000	26.29	15.34	41.63	74.00	32.37	309	132	PK
2	11570.0000	18.04	15.34	33.38	54.00	20.62	248	311	AV
3	17355.0000	20.17	26.30	46.47	68.20	21.73	351	63	PK
4	17355.0000	13.56	26.30	39.86	54.00	14.14	228	53	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	11570.0000	26.40	15.34	41.74	74.00	32.26	287	23	PK
2	11570.0000	19.37	15.34	34.71	54.00	19.29	347	133	AV
3	17355.0000	19.58	26.30	45.88	68.20	22.32	334	216	PK
4	17355.0000	12.14	26.30	38.44	54.00	15.56	183	351	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									



Channel		802.11n20 CH165		Frequency		5825 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5616.5083	47.32	9.00	56.32	68.20	11.88	275	252	PK
2	5820.4227	88.63	8.85	97.48			321	123	PK
3	5941.6083	47.65	10.63	58.28	68.20	9.92	213	16	PK
4	11650.0000	26.15	15.21	41.36	74.00	32.64	373	66	PK
5	11650.0000	18.36	15.21	33.57	54.00	20.43	140	86	AV
6	17475.0000	20.09	26.05	46.14	68.20	22.06	257	1	PK
7	17475.0000	11.71	26.05	37.76	54.00	16.24	190	33	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

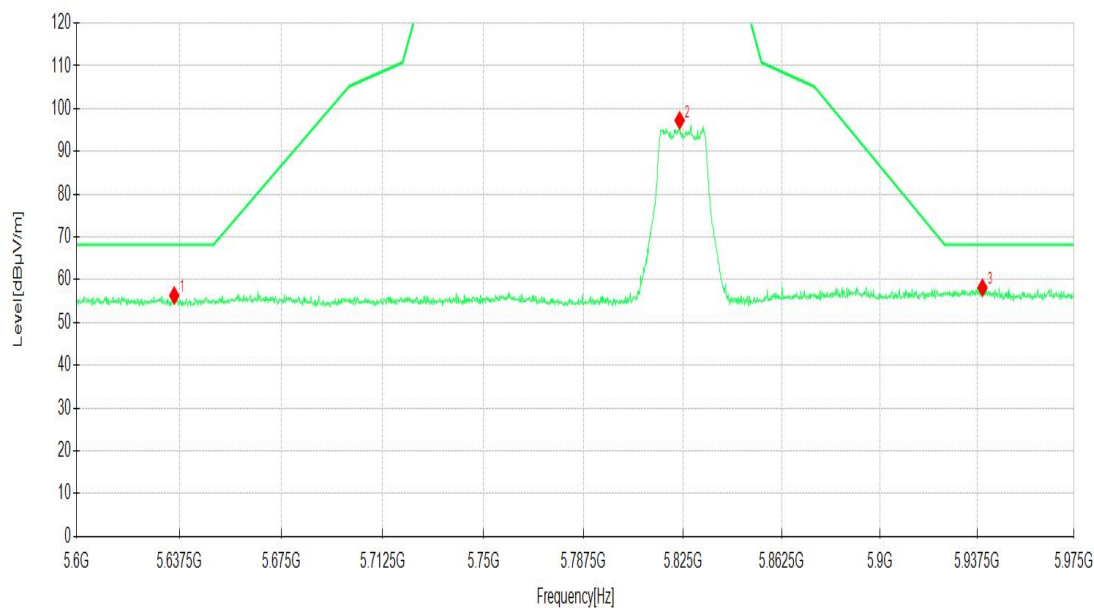
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 CH165	Frequency	5825 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5635.6428	47.61	8.70	56.31	68.20	11.89	114	212	PK
2	5823.7994	88.46	8.81	97.27			395	180	PK
3	5939.5448	47.36	10.80	58.16	68.20	10.04	325	158	PK
4	11650.0000	25.56	15.21	40.77	74.00	33.23	174	339	PK
5	11650.0000	18.34	15.21	33.55	54.00	20.45	182	213	AV
6	17475.0000	18.71	26.05	44.76	68.20	23.44	185	123	PK
7	17475.0000	12.19	26.05	38.24	54.00	15.76	125	312	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH151	Frequency	5755 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5616.1331	47.24	9.00	56.24	68.20	11.96	237	177	PK
2	5749.5123	86.41	8.93	95.34			353	122	PK
3	5931.6658	47.44	10.55	57.99	68.20	10.21	193	307	PK
4	11510.0000	26.99	15.12	42.11	74.00	31.89	226	289	PK
5	11510.0000	18.09	15.12	33.21	54.00	20.79	224	3	AV
6	17265.0000	20.84	25.62	46.46	68.20	21.74	309	76	PK
7	17265.0000	12.79	25.62	38.41	54.00	15.59	244	59	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

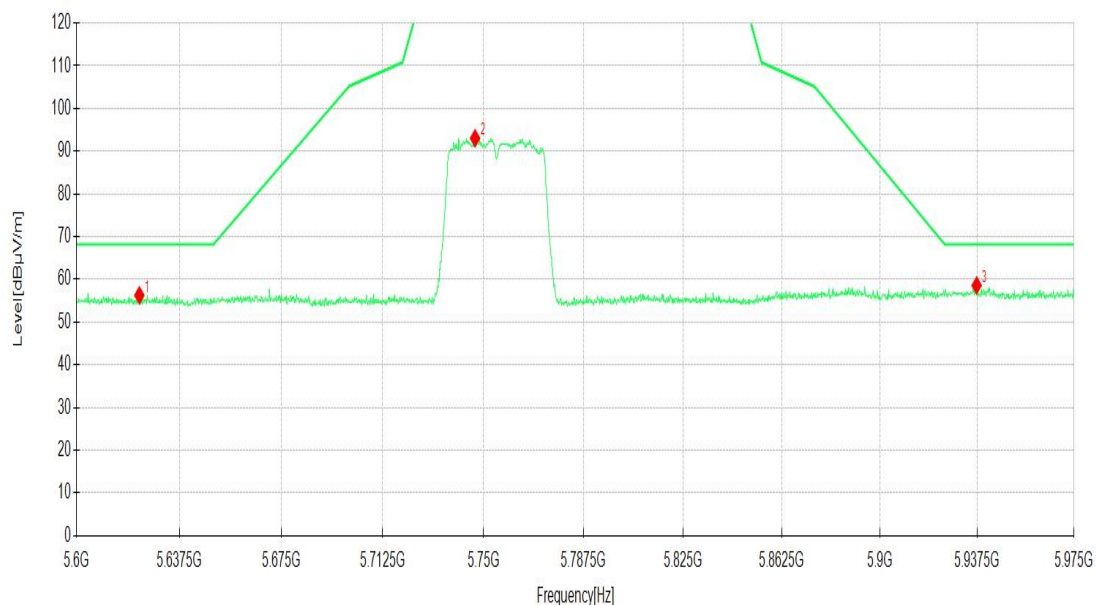
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH151	Frequency	5755 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5622.8864	47.25	9.01	56.26	68.20	11.94	177	354	PK
2	5746.8859	84.12	8.93	93.05			154	282	PK
3	5937.2936	47.85	10.73	58.58	68.20	9.62	161	47	PK
4	11510.0000	25.95	15.12	41.07	74.00	32.93	125	280	PK
5	11510.0000	18.06	15.12	33.18	54.00	20.82	317	280	AV
6	17265.0000	20.13	25.62	45.75	68.20	22.45	177	20	PK
7	17265.0000	14.14	25.62	39.76	54.00	14.24	306	1	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]



Channel		802.11n40 CH159		Frequency		5795 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5638.8319	48.00	8.51	56.51	68.20	11.69	284	168	PK
2	5789.4697	85.18	8.59	93.77			271	122	PK
3	5941.0455	47.44	10.69	58.13	68.20	10.07	317	19	PK
4	11590.0000	24.50	15.17	39.67	74.00	34.33	153	305	PK
5	11590.0000	18.74	15.17	33.91	54.00	20.09	332	302	AV
6	17385.0000	20.87	26.14	47.01	68.20	21.19	372	292	PK
7	17385.0000	12.92	26.14	39.06	54.00	14.94	321	289	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

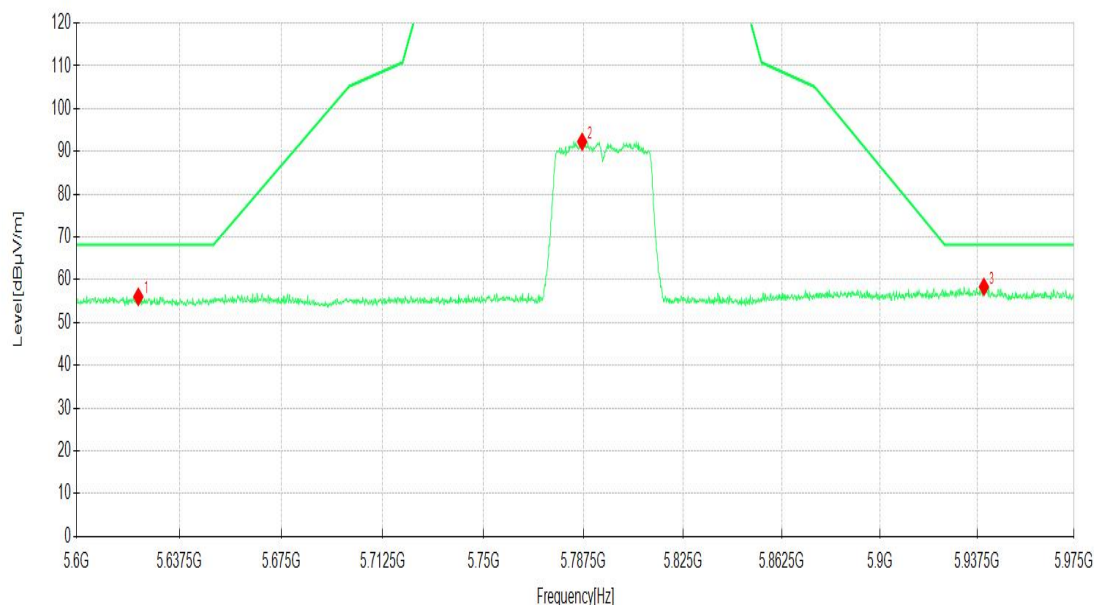
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH159	Frequency	5795 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5622.5113	47.03	9.00	56.03	68.20	12.17	120	262	PK
2	5787.0310	83.81	8.47	92.28			350	284	PK
3	5940.1076	47.55	10.80	58.35	68.20	9.85	400	158	PK
4	11590.0000	25.39	15.17	40.56	74.00	33.44	335	30	PK
5	11590.0000	18.74	15.17	33.91	54.00	20.09	191	322	AV
6	17385.0000	19.99	26.14	46.13	68.20	22.07	332	239	PK
7	17385.0000	13.21	26.14	39.35	54.00	14.65	277	219	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH155	Frequency	5775 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5619.8849	47.08	8.99	56.07	68.20	12.13	204	130	PK
2	5750.6378	82.62	8.96	91.58			263	117	PK
3	5955.4902	47.96	9.94	57.90	68.20	10.30	317	230	PK
4	11550.0000	25.92	15.40	41.32	74.00	32.68	192	1	PK
5	11550.0000	18.18	15.40	33.58	54.00	20.42	301	46	AV
6	17325.0000	19.41	26.20	45.61	68.20	22.59	301	352	PK
7	17325.0000	13.26	26.20	39.46	54.00	14.54	375	336	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

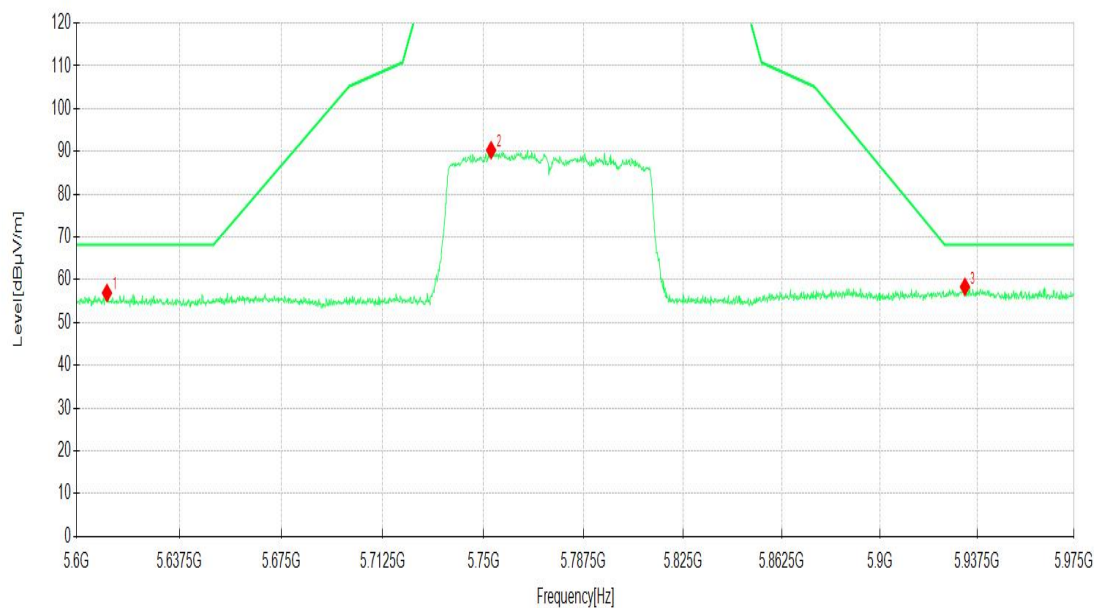
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH155	Frequency	5775 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5611.0680	47.90	9.03	56.93	68.20	11.27	350	37	PK
2	5752.8889	81.25	9.06	90.31			344	183	PK
3	5932.7914	47.78	10.59	58.37	68.20	9.83	252	37	PK
4	11550.0000	18.24	15.40	33.64	54.00	20.36	329	334	AV
5	11570.0000	25.81	15.34	41.15	74.00	32.85	163	23	PK
6	17325.0000	12.90	26.20	39.10	54.00	14.90	380	294	AV
7	17355.0000	19.54	26.30	45.84	68.20	22.36	279	184	PK



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ax80 CH155	Frequency	5775 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Horizontal

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5618.0090	47.31	9.00	56.31	68.20	11.89	174	121	PK
2	5769.2096	85.06	8.92	93.98			375	116	PK
3	5939.7324	47.26	10.80	58.06	68.20	10.14	100	340	PK
4	11550.0000	25.85	15.40	41.25	74.00	32.75	366	232	PK
5	11550.0000	18.31	15.40	33.71	54.00	20.29	119	92	AV
6	17325.0000	19.23	26.20	45.43	68.20	22.77	293	60	PK
7	17325.0000	12.62	26.20	38.82	54.00	15.18	368	209	AV



Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel		802.11ax80 CH155		Frequency		5775 MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5627.7639	47.44	9.04	56.48	68.20	11.72	346	264	PK
2	5767.5213	83.51	9.00	92.51			130	294	PK
3	5938.0440	47.58	10.75	58.33	68.20	9.87	307	266	PK
4	11550.0000	25.59	15.40	40.99	74.00	33.01	152	155	PK
5	11550.0000	18.00	15.40	33.40	54.00	20.60	270	265	AV
6	17325.0000	19.35	26.20	45.55	68.20	22.65	155	16	PK
7	17325.0000	12.25	26.20	38.45	54.00	15.55	187	23	AV

Remark: 1. The emission levels of other frequencies were greater than 20dB margin.

2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).

3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]

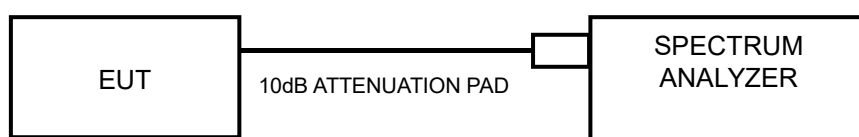
3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 Measurement procedure

The transmitter antenna output was connected to the spectrum analyzer through an attenuator. The resolution bandwidth shall be set to the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth.

below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.3.2 TEST SETUP



3.4 26DB EMISSION BANDWIDTH

3.4.1 LIMITS OF 26DB EMISSION BANDWIDTH

This section is for reporting purpose only, there is on restriction limit of bandwidth

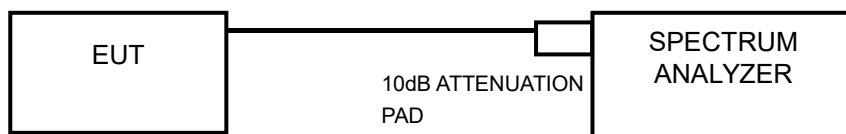
3.4.2 TEST PROCEDURES

FOR 26dB BANDWIDTH

- 1) Set RBW = approximately 1% of the emission bandwidth.
- 2) Set the VBW > RBW.
- 3) Detector = Peak
- 4) Trace mode = max hold.
- 5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

3.4.3 TEST SETUP

FOR 26dB BANDWIDTH



3.5 6DB EMISSION BANDWIDTH

3.5.1 LIMITS OF 6DB EMISSION BANDWIDTH

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

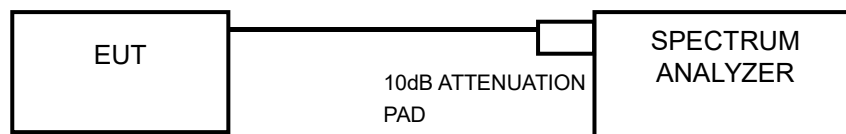
3.5.2 TEST PROCEDURES

FOR 6dB BANDWIDTH

- 1)Set RBW = 100 kHz.
- 2)Set the video bandwidth (VBW) ≥ 3 RBW.
- 3)Detector = Peak.
- 4)Trace mode = max hold.
- 5) Sweep = auto couple.
- 6) Allow the trace to stabilize.
- 7)Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.5.3 TEST SETUP

FOR 6dB BANDWIDTH



3.6 TRANSMIT POWER MEASUREMENT

3.6.1 LIMITS OF TRANSMIT POWER MEASUREMENT(FCC)

Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client device	250mW (24 dBm)
U-NII-2A	√		250mW(24dBm) or 11 dBm+10LogB*
U-NII-2C	√		250mW(24dBm) or 11 dBm+10LogB*
U-NII-3	√		1 Watt (30 dBm)

NOTE: 1. Where B is the 26dB emission bandwidth in MHz.

3.6.2 LIMITS OF TRANSMIT POWER MEASUREMENT(IC)

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	EIRP shall not exceed 200mW or 10+ 10logB, dBm
5.250 ~ 5.350GHz	Conducted output power shall not exceed 250mW or 11+ 10logB, dBm
5.470~ 5.600GHz	EIRP shall not exceed 1.0W or 17+ 10logB, dBm
5.650 ~ 5.725GHz	
5.725 ~ 5.825GHz	Conducted output power shall not exceed 1 W.

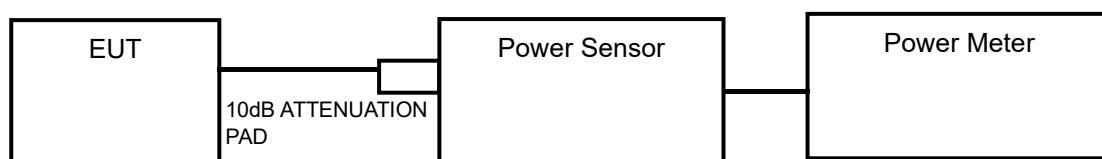
NOTE: Where B is the 99% emission bandwidth in MHz

3.6.3 TEST PROCEDURES

FOR AVERAGE POWER MEASUREMENT

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

3.6.4 TEST SETUP





3.7 POWER SPECTRAL DENSITY MEASUREMENT

3.7.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT(FCC)

Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Mobile and Portable client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

3.7.2 .LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT(IC)

FREQUENCY BAND	LIMIT(dBm)
5.15 ~ 5.25GHz	EIRP spectral density shall not exceed 10 dBm in any 1.0 MHz band.
5.25 ~ 5.35GHz and 5.470 ~ 5.725GHz	Power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
5.725~5825GHz	Power spectral density shall not exceed 30 dBm in any 500 kHz band.

3.7.3 TEST PROCEDURE

For U-NII-1, U-NII-2A, U-NII-2Cband:

Using method SA-2

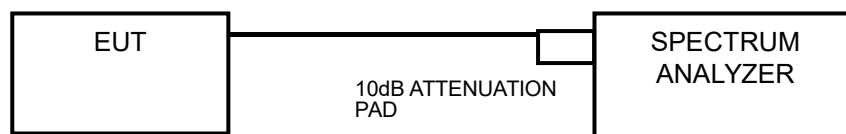
- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW =3 MHz, Detector = AV
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to“free run”.
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW =1 MHz, Detector = AV
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to“free run”.
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add 10 log (1/duty cycle)

3.7.4 TEST SETUP



3.8 FREQUENCY STABILITY

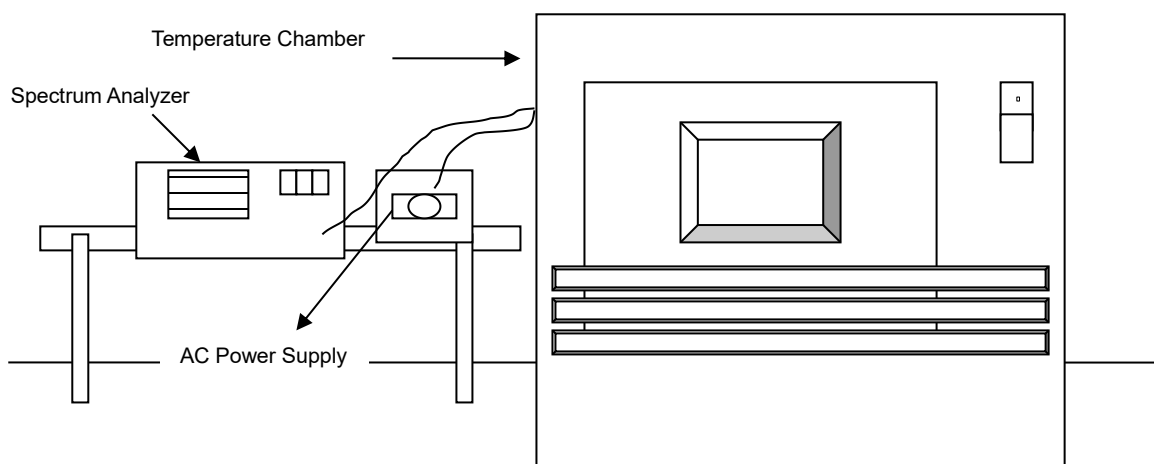
3.8.1 LIMITS OFFREQUENCY STABILITY

The frequency of the carrier signal shall be maintained within band of operation.

3.8.2 TEST PROCEDURES

- The EUT wasplacedinside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber tostabilize, turn the EUT on and measure the operatingfrequency after 2, 5, and 10 minutes.
- Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30minutes. The supply voltage was then adjusted onthe EUT from 85% to 115%and the frequency record.

3.8.3 TEST SETUP





4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).



5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).

Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

Address of the laboratory:

CVC Testing Technology Co., Ltd.

Address: No.3,TiantaiyiRoad,KaitaiAvenue,ScienceCity,Guangzhou,China

Post Code: 510663 Tel: 020-32293888

FAX: 020-32293889 E-mail: office@cvc.org.cn