



Test Report No.:
FCC2022-0038-RF5

RF Test Report

EUT : **IoT Display**
MODEL : **DS7610-915M**
BRAND NAME : **Milesight**
APPLICANT : **Xiamen Milesight IoT Co., Ltd.**
CLASSIFICATION OF TEST : **N/A**

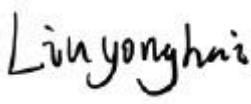
CVC Testing Technology Co., Ltd.



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Test Report No.: FCC2022-0038-RF5

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Applicant	Name: Xiamen Milesight IoT Co., Ltd. Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China		
Manufacturer	Name: Xiamen Milesight IoT Co., Ltd. Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China		
Equipment Under Test	Name: IoT Display Model/Type: DS7610-915M Additional Models/Types: See Section 2.2 Brand: Milesight Serial NO.: N/A Sampe NO.: 4-1		
Date of Receipt.	2022.07.11	Date of Testing	2022.07.11~2022.12.06
Test Specification		Test Result	
FCC Part 15, Subpart E (15.407)		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: 2022.12.10		
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 of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2022-0038-RF5	Original release	2022.12.10



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407)			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
FCC Part 15.207	Conducted Emissions	PASS	Meet the requirement of limit.
FCC Part 15.403(i)	6dB&26dB Emission Bandwidth	PASS	Meet the requirement of limit.
---	Occupied Channel Bandwidth	N/A	---
FCC Part 15.407(b)	Radiated Emission and Bandedge	PASS	Meet the requirement of limit.
FCC Part 15.407(a)	Transmit Power	PASS	Meet the requirement of limit.
FCC Part 15.407(a)	Power Spectral Density	PASS	Meet the requirement of limit.
FCC Part 15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
FCC Part 15.203 FCC Part 15.407(a)	Antenna Requirement	PASS	No antenna connector is used

Note: refer to DFS report (Report No. FCC2022-0038-RF6)



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 2	4m*3m*3m	CRTDSWKSR 44301	VGDS-0700	CRT	2024/04/24
Bluetooth system integration	/	/	-	Tonscend	/
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Comprehensive Test Instrument	CMW270	100304	DZ-000240-1	R&S	2023/12/06
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
Radiation Spurious Test System					/
3m Semi-Anechoic Chamber	FACT-4	ST08035	WKNA-0024	ETS	2024/12/12
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	EM-000093	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	851770	DZ-000186	WI	2023/12/06
Comprehensive tester	CMW500	159000	DZ-000240-2	R&S	2023/12/06
Conducted emission					/
EMI Test Receiver	ESCI	100857	WKNB-0081	R&S	2023-12-08
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
Audio Signal Generator	GAG-810	EK871591	EM-000309	GW	2023-12-08
Shielding Room(#1)	GP1A	001	WKNF-0001	LEINING	2024-08-08
Shielding Room(#2)	GP1A	002	WKNF-0006	LEINING	2024-08-08
Current probe	EZ-17	0816.2063.02	EM-000567	R&S	2023-01-16



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: 020-32293888

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



2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	IoT Display
BRAND	Milesight
MODEL NO.	DS7610-915M
ADDITIONAL MODEL	See Section 2.2
FCC ID	2AYHY-DS7610
POWER SUPPLY	1. DC 5V from USB host unit 2. DC 56V from POE 3. DC 12V from Adapter
MODULATION TECHNOLOGY	OFDM
MODULATION TYPE	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM
TRANSFER RATE	802.11a: Up to 54Mbps 802.11n: Up to MCS7 802.11ac: Up to MCS9
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	See Section 2.3
CONDUCTED OUTPUT POWER	16.71 dBm for 5180 ~ 5240MHz (Maximum AVG Power) 16.58 dBm for 5260 ~ 5320MHz (Maximum AVG Power) 15.97 dBm for 5500 ~ 5700MHz (Maximum AVG Power) 15.92 dBm for 5745 ~ 5825MHz (Maximum AVG Power)
ANTENNA TYPE (Remark 4)	5180 ~ 5240MHz: Ceramic Antenna with -3.33dBi gain 5260 ~ 5320MHz: Ceramic Antenna with -2.89dBi gain 5500 ~ 5700MHz: Ceramic Antenna with -0.80dBi gain 5745 ~ 5825MHz: Ceramic Antenna with 0.06dBi gain
HARDWARE VERSION:	UD00-00-V1.2
SOFTWARE VERSION:	72.0.0.5-r1
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A



Remark:

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.: FCC2022-0038-E).
4. Please refer to the antenna report.
5. The EUT incorporates a SISO function. Physically, the EUT provides 1 completed transmitter and 1 receiver.

MODULATION MODE	TX FUNCTION
802.11a	1TX/1RX
802. 11n 20MHz	1TX/1RX
802. 11n 40MHz	1TX/1RX
802.11ac 80MHz	1TX/1RX

2.2 ADDITIONAL MODELS/TYPES

Models	
1	DS7610-9M
2	NH7610-915M
3	NH7610-9M
Note: The only differences are silk-screen 、 trade name and model no. for trading purpose.	



2.3 CARRIER FREQUENCY AND CHANNEL

FOR 5180 ~ 5240MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	40	5200 MHz
44	5220 MHz	48	5240 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210MHz	--	--

WLAN 5260 ~ 5320MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260MHz	56	5280MHz
60	5300MHz	64	5320MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270MHz	62	5310MHz

1 channel is provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY
58	5290MHz



WLAN 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500MHz	124	5620MHz
104	5520MHz	128	5640MHz
108	5540MHz	132	5660MHz
112	5560MHz	136	5680MHz
116	5580MHz	140	5700MHz
120	5600MHz	--	--

5 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510MHz	126	5630MHz
110	5550MHz	134	5670MHz
118	5590MHz	--	--

2 channel is provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530MHz	122	5610MHz

FOR 5745 ~ 5825MHz

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

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):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (VHT80):

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.



2.4 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**.

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
802.11ac VHT80	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	24.8deg. C, 58%RH	DC 5V From USB Host Unit	Liu ShiWei
RE $\geq$ 1G	24.8deg. C, 58%RH	DC 5V From USB Host Unit	Liu ShiWei
PLC	26.1deg. C, 52%RH	DC 5V From USB Host Unit	Liu ShiWei
APCM	26.1deg. C, 52%RH	DC 5V From USB Host Unit	Liu ShiWei



2.5 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		
1	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (m)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

2.6 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

ANSI C63.10-2020

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



3 TEST TYPES AND RESULTS

3.1 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 the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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



3.1.3 TEST PROCEDURES

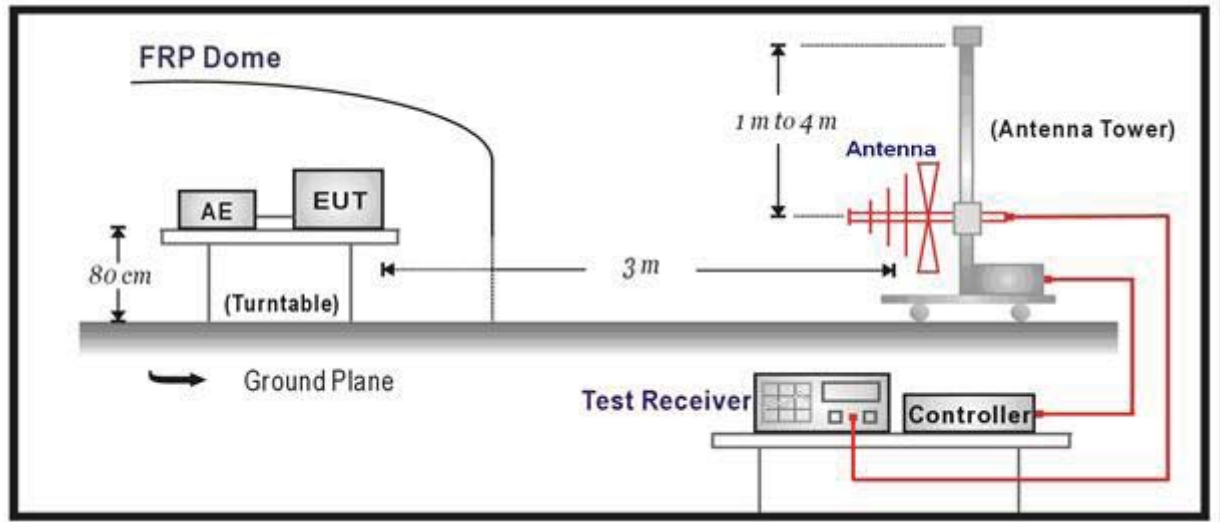
- a. The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz) and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving 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:

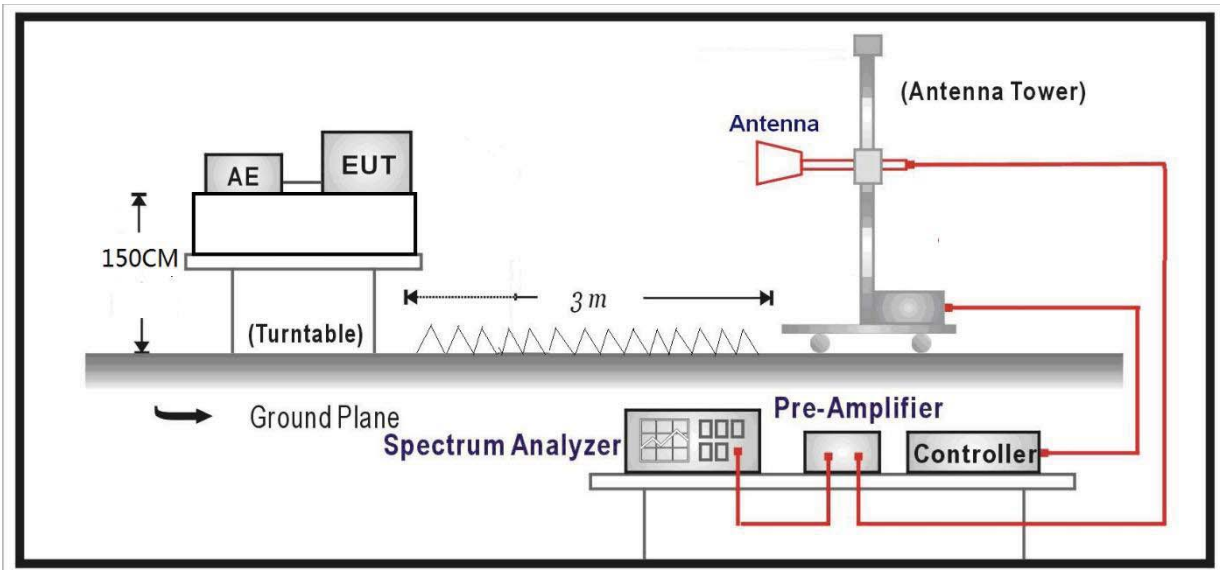
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution 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:



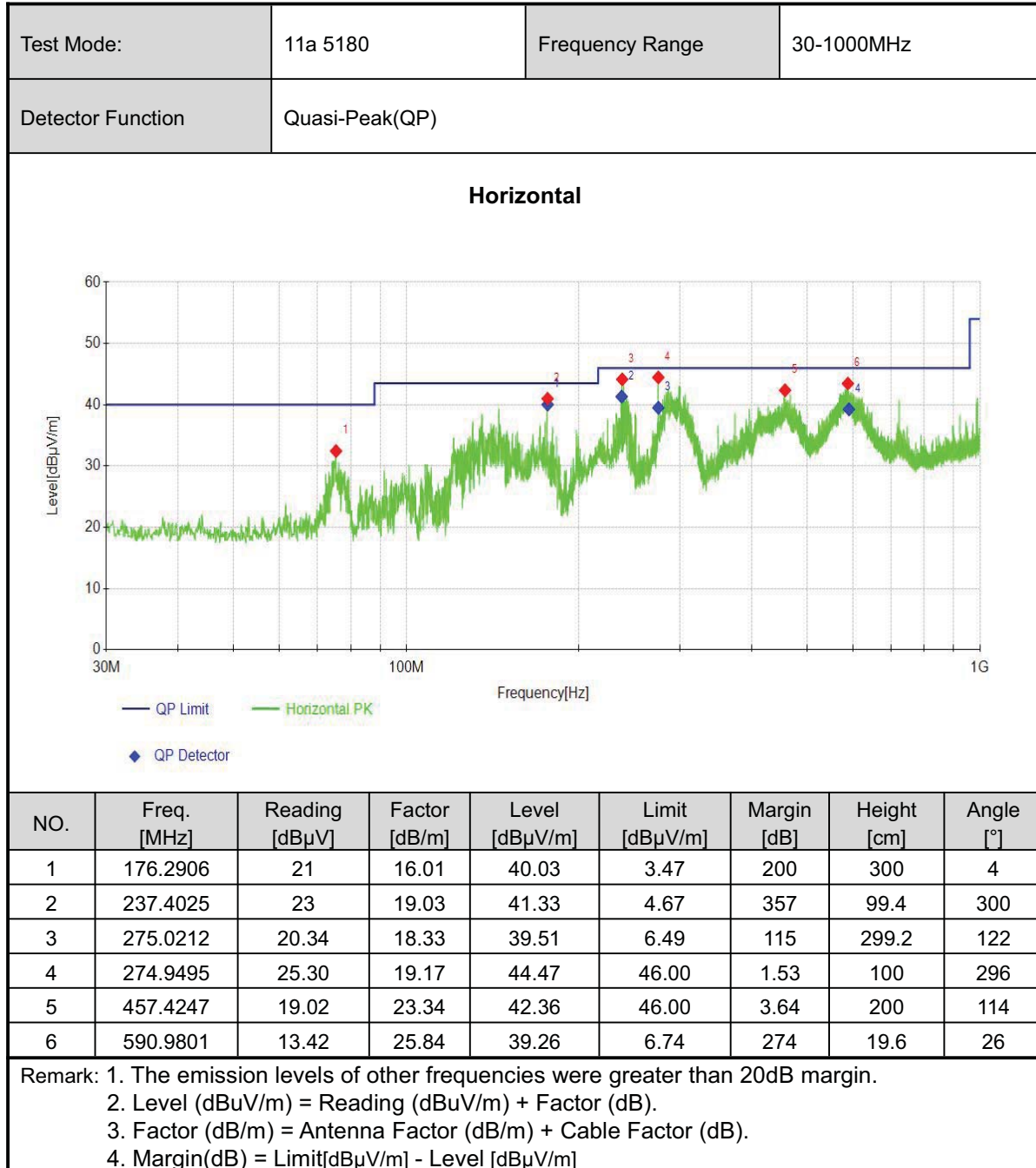
Above 1GHz Test Setup:

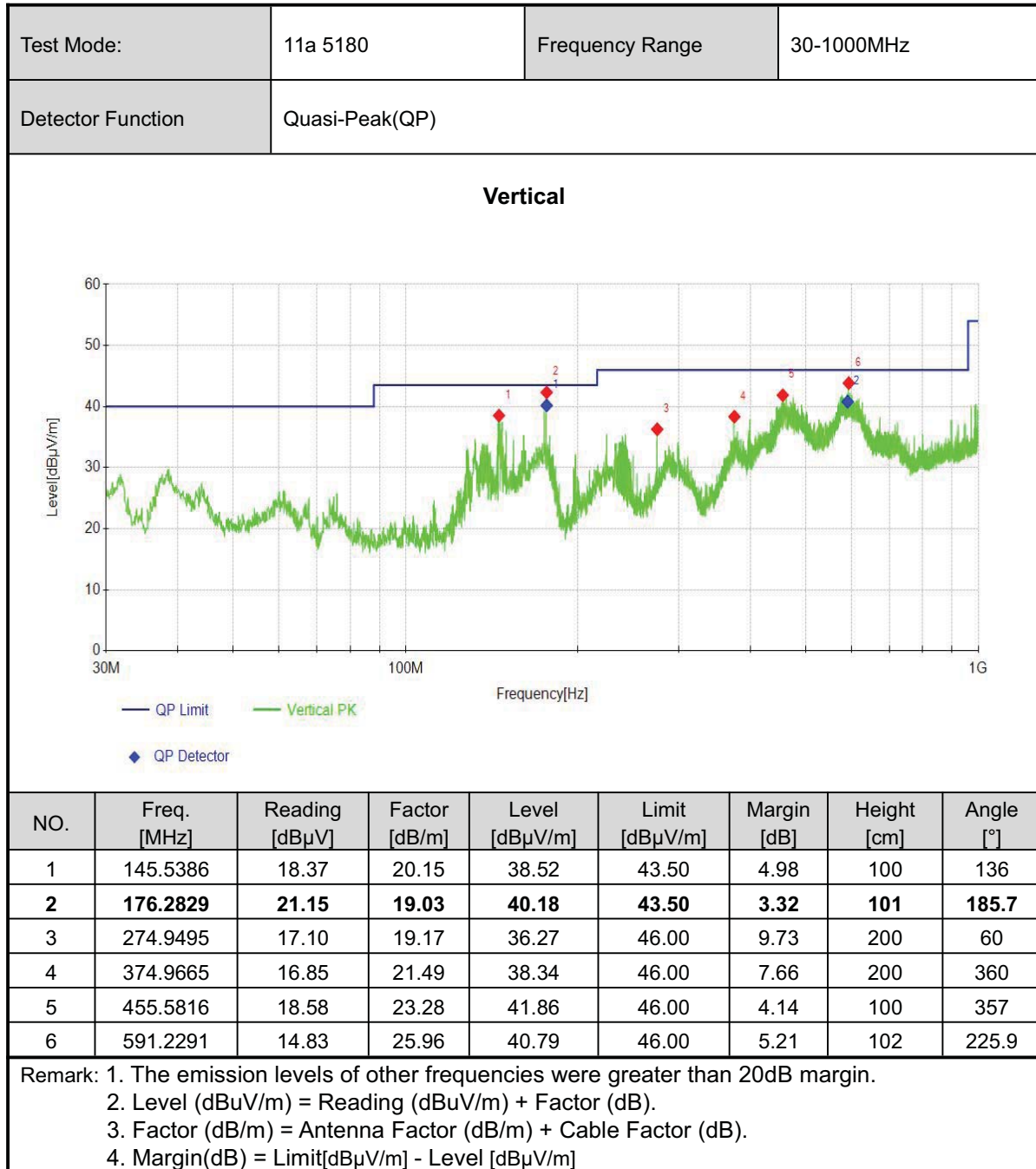


Note: For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Setup)



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	5078.2091	34.83	7.74	42.57	54.00	11.43	199	59	AV
2	5088.7744	46.33	7.63	53.96	74.00	20.04	244	305	PK
3	5150.0000	34.63	8.03	42.66	54.00	11.34	216	38	AV
4	5150.0000	45.81	8.03	53.84	74.00	20.16	165	317	PK
5	5179.5398	88.01	7.91	95.92			285	26	PK
6	5179.5398	79.97	7.91	87.88			153	38	AV
7	10360.0000	27.25	14.09	41.34	68.20	26.86	116	213	PK
8	10360.0000	18.74	14.09	32.83	54.00	21.17	175	50	AV
9	15540.0000	23.62	19.38	43.00	74.00	31.00	142	266	PK
10	15540.0000	14.85	19.38	34.23	54.00	19.77	199	210	AV

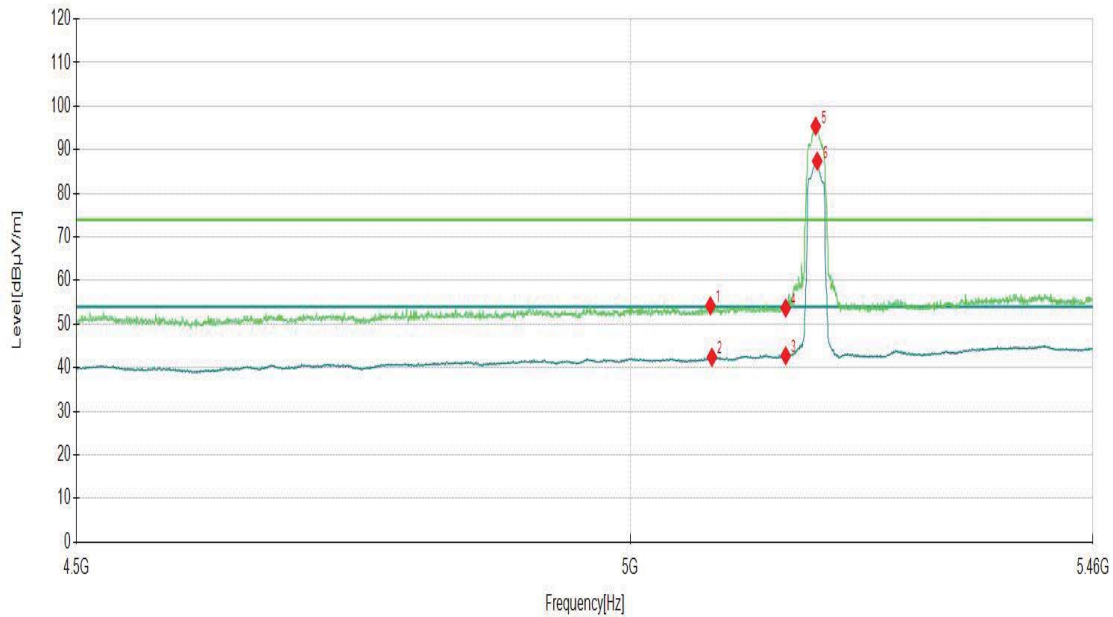
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a 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	5076.7684	46.55	7.68	54.23	74.00	19.77	249	66	PK
2	5078.2091	34.66	7.74	42.40	54.00	11.60	220	328	AV
3	5150.0000	34.72	8.03	42.75	54.00	11.25	229	175	AV
4	5150.0000	45.67	8.03	53.70	74.00	20.30	136	93	PK
5	5179.5398	87.51	7.91	95.42			124	295	PK
6	5180.9805	79.50	7.89	87.39			242	297	AV
7	10360.0000	27.68	14.09	41.77	68.20	26.43	262	331	PK
8	10360.0000	18.73	14.09	32.82	54.00	21.18	236	104	AV
9	15540.0000	24.16	19.38	43.54	74.00	30.46	266	163	PK
10	15540.0000	14.59	19.38	33.97	54.00	20.03	295	311	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]



CVC Testing Technology Co., Ltd.

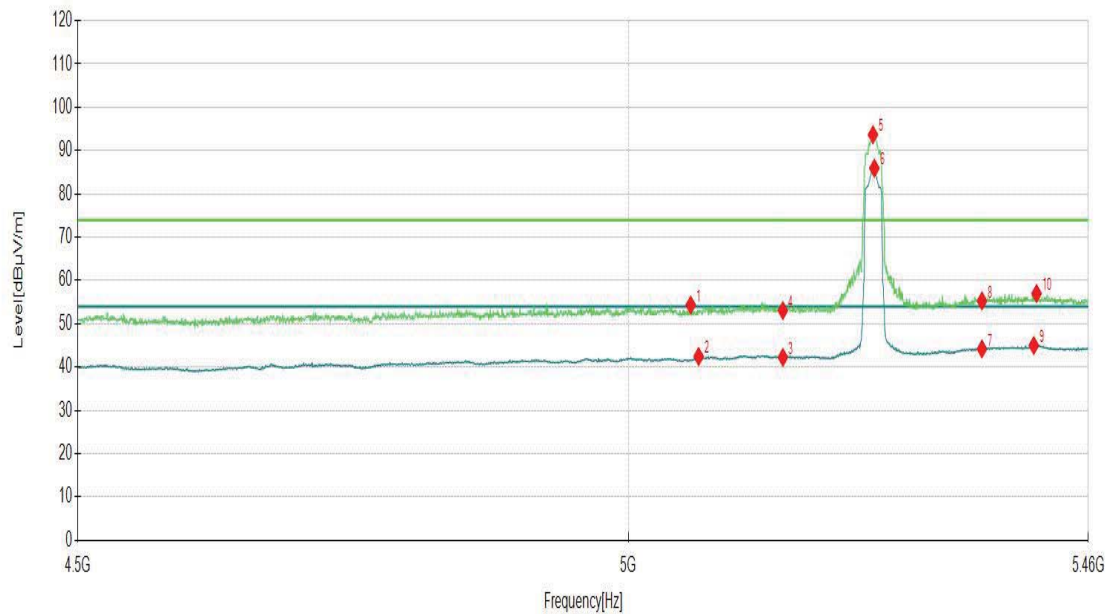
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Channel		802.11a CH 40		Frequency		5200MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	10400.0000	27.29	14.30	41.59	68.20	26.61	188	141	PK
2	10400.0000	18.18	14.30	32.48	54.00	21.52	133	36	AV
3	15600.0000	22.53	19.58	42.11	74.00	31.89	174	167	PK
4	15600.0000	13.64	19.58	33.22	54.00	20.78	212	167	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10400.0000	26.68	14.30	40.98	68.20	27.22	283	190	PK
2	10400.0000	18.23	14.30	32.53	54.00	21.47	225	108	AV
3	15600.0000	22.98	19.58	42.56	74.00	31.44	152	1	PK
4	15600.0000	14.49	19.58	34.07	54.00	19.93	114	35	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 CH48		Frequency		5240 MHz _z		
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	5059.9600	46.97	7.35	54.32	74.00	19.68	137	82	PK
2	5067.6438	35.06	7.39	42.45	54.00	11.55	155	326	AV
3	5150.0000	34.22	8.03	42.25	54.00	11.75	208	278	AV
4	5150.0000	45.03	8.03	53.06	74.00	20.94	124	172	PK
5	5239.5698	85.45	8.22	93.67			306	30	PK
6	5241.0105	77.72	8.22	85.94			273	28	AV
7	5350.0000	34.24	9.96	44.20	54.00	9.80	229	151	AV
8	5350.0000	45.33	9.96	55.29	74.00	18.71	150	36	PK
9	5403.3317	34.89	10.11	45.00	54.00	9.00	304	59	AV
10	5406.2131	46.78	10.19	56.97	74.00	17.03	142	42	PK
11	10480.0000	26.53	14.45	40.98	68.20	27.22	154	347	PK
12	10480.0000	17.73	14.45	32.18	54.00	21.82	237	128	AV
13	15720.0000	23.29	20.55	43.84	74.00	30.16	218	259	PK
14	15720.0000	14.42	20.55	34.97	54.00	19.03	277	148	AV



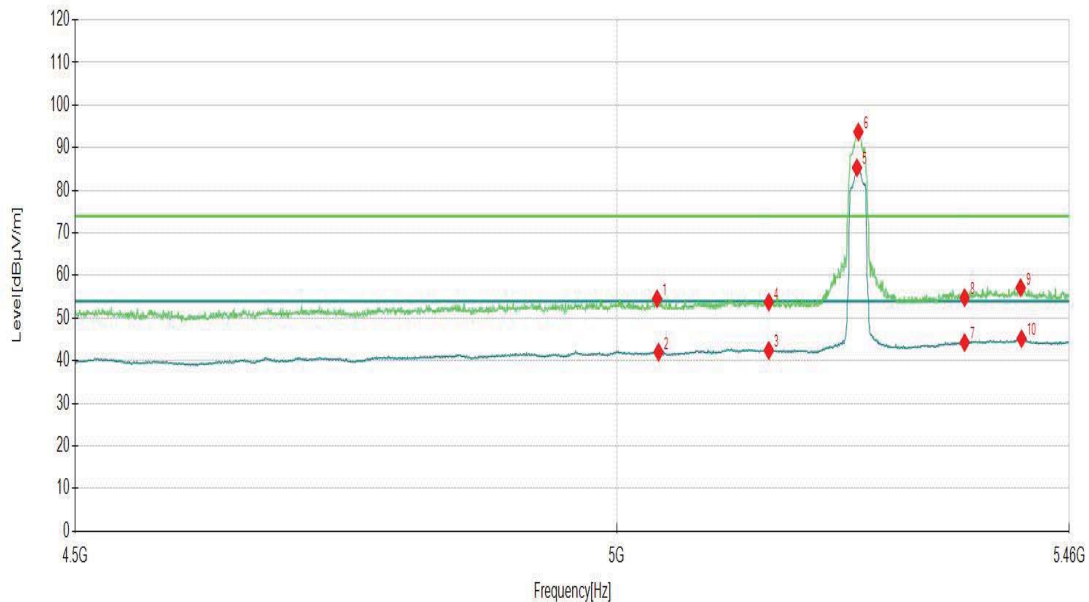
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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

Vertical

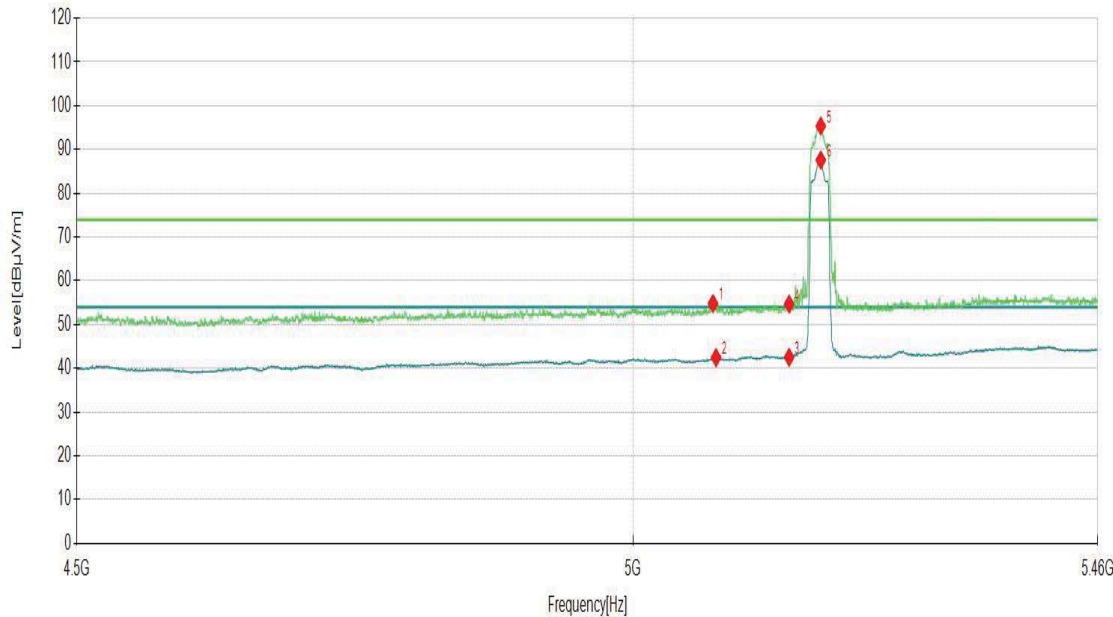
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5039.3097	46.91	7.64	54.55	74.00	19.45	145	296	PK
2	5040.7504	34.38	7.64	42.02	54.00	11.98	178	326	AV
3	5150.0000	34.39	8.03	42.42	54.00	11.58	290	322	AV
4	5150.0000	45.72	8.03	53.75	74.00	20.25	171	108	PK
5	5239.0895	77.09	8.22	85.31			195	298	AV
6	5240.5303	85.49	8.22	93.71			296	296	PK
7	5350.0000	34.32	9.96	44.28	54.00	9.72	238	31	AV
8	5350.0000	44.85	9.96	54.81	74.00	19.19	292	31	PK
9	5408.6143	46.87	10.26	57.13	74.00	16.87	287	290	PK
10	5409.5748	34.90	10.28	45.18	54.00	8.82	155	353	AV
11	10480.0000	26.44	14.45	40.89	68.20	27.31	232	239	PK
12	10480.0000	17.87	14.45	32.32	54.00	21.68	128	32	AV
13	15720.0000	24.44	20.55	44.99	74.00	29.01	221	203	PK
14	15720.0000	14.00	20.55	34.55	54.00	19.45	163	200	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 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	5076.2881	47.16	7.66	54.82	74.00	19.18	268	43	PK
2	5079.1696	34.69	7.78	42.47	54.00	11.53	238	24	AV
3	5150.0000	34.50	8.03	42.53	54.00	11.47	289	18	AV
4	5150.0000	46.64	8.03	54.67	74.00	19.33	199	39	PK
5	5180.9805	87.47	7.89	95.36			145	24	PK
6	5180.9805	79.69	7.89	87.58			223	26	AV
7	10360.0000	27.18	14.09	41.27	68.20	26.93	169	259	PK
8	10360.0000	18.29	14.09	32.38	54.00	21.62	162	14	AV
9	15540.0000	23.17	19.38	42.55	74.00	31.45	220	285	PK
10	15540.0000	15.08	19.38	34.46	54.00	19.54	283	69	AV



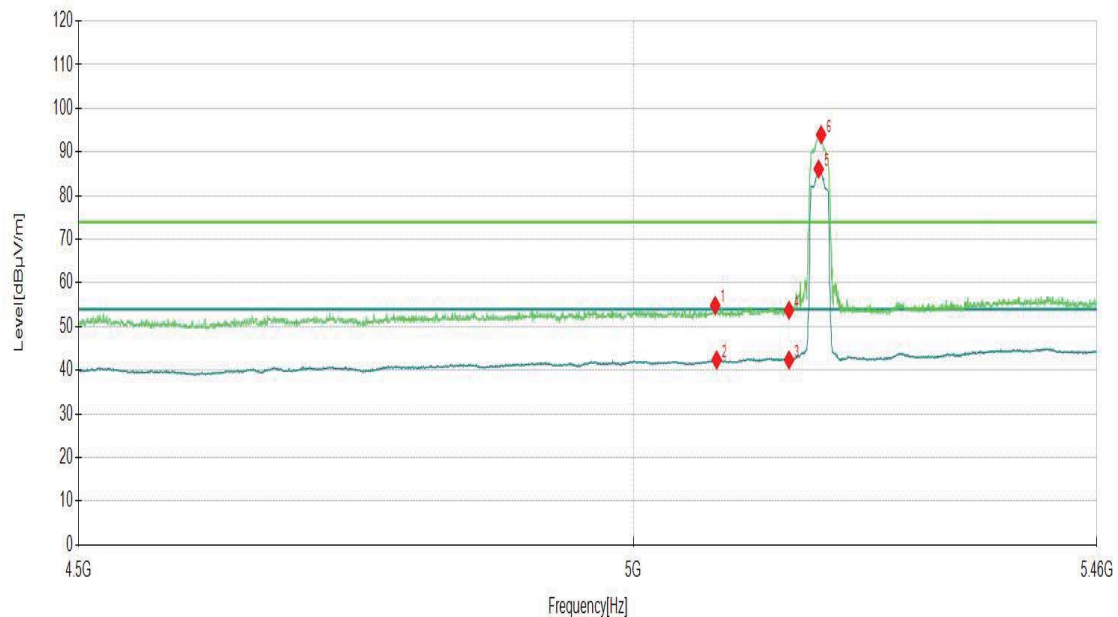
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 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	5078.2091	47.13	7.74	54.87	74.00	19.13	261	155	PK
2	5079.6498	34.56	7.80	42.36	54.00	11.64	132	307	AV
3	5150.0000	34.34	8.03	42.37	54.00	11.63	288	49	AV
4	5150.0000	45.72	8.03	53.75	74.00	20.25	210	178	PK
5	5179.0595	78.18	7.91	86.09			177	297	AV
6	5181.4607	86.07	7.88	93.95			176	299	PK
7	10360.0000	27.85	14.09	41.94	68.20	26.26	211	177	PK
8	10360.0000	18.19	14.09	32.28	54.00	21.72	289	7	AV
9	15540.0000	24.31	19.38	43.69	74.00	30.31	179	83	PK
10	15540.0000	14.11	19.38	33.49	54.00	20.51	238	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 CH 40		Frequency		5200MHz			
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	10400.0000	27.45	14.30	41.75	68.20	26.45	259	162	PK
2	10400.0000	18.61	14.30	32.91	54.00	21.09	139	162	AV
3	15600.0000	22.94	19.58	42.52	74.00	31.48	214	246	PK
4	15600.0000	14.02	19.58	33.60	54.00	20.40	255	42	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	10400.0000	26.88	14.30	41.18	68.20	27.02	254	70	PK
2	10400.0000	18.56	14.30	32.86	54.00	21.14	153	40	AV
3	15600.0000	23.33	19.58	42.91	74.00	31.09	294	138	PK
4	15600.0000	14.28	19.58	33.86	54.00	20.14	184	334	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	802.11n20 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	5074.3672	46.80	7.58	54.38	74.00	19.62	290	346	PK
2	5078.6893	34.87	7.76	42.63	54.00	11.37	121	118	AV
3	5150.0000	45.08	8.03	53.11	54.00	20.89	230	348	PK
4	5150.0000	34.41	8.03	42.44	54.00	11.56	192	241	AV
5	5239.5698	76.56	8.22	84.78			207	28	AV
6	5240.0500	84.71	8.22	92.93			210	32	PK
7	5350.0000	45.51	9.96	55.47	74.00	18.53	172	138	PK
8	5350.0000	34.23	9.96	44.19	54.00	9.81	148	155	AV
9	5408.1341	34.84	10.24	45.08	54.00	8.92	208	9	AV
10	5424.4622	46.80	9.80	56.60	74.00	17.40	142	232	PK
11	10480.0000	28.04	14.30	42.34	68.20	25.86	168	125	PK
12	10480.0000	18.30	14.30	32.60	54.00	21.40	233	131	AV
13	15720.0000	22.68	19.58	42.26	74.00	31.74	121	305	PK
14	15720.0000	13.71	19.58	33.29	54.00	20.71	249	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).

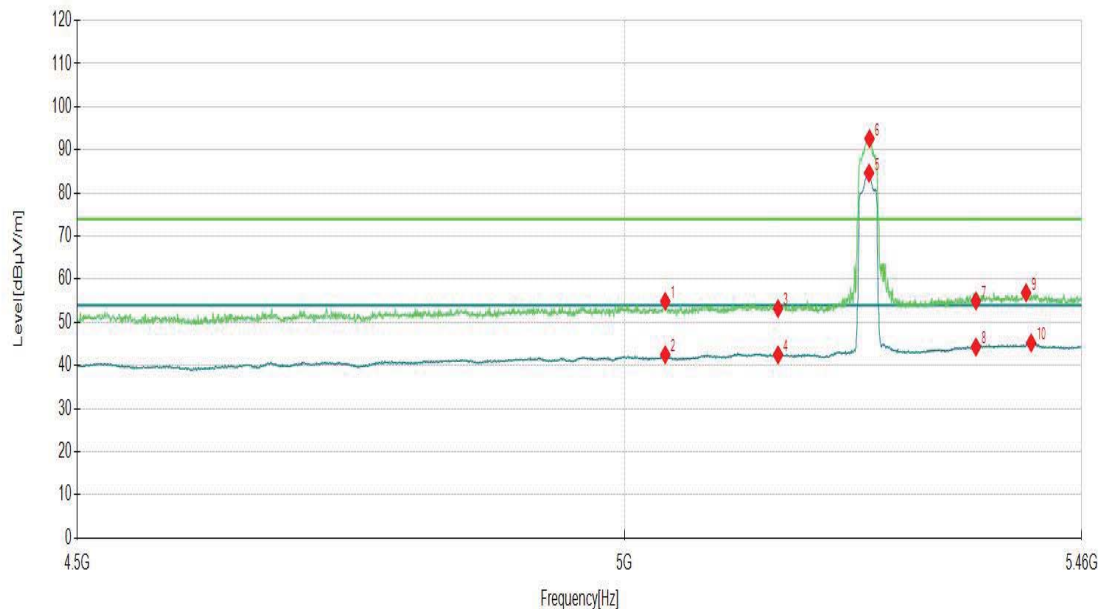
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n20 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	5039.3097	47.25	7.64	54.89	74.00	19.11	174	97	PK
2	5039.3097	34.87	7.64	42.51	54.00	11.49	271	84	AV
3	5150.0000	45.18	8.03	53.21	74.00	20.79	153	276	PK
4	5150.0000	34.44	8.03	42.47	54.00	11.53	121	72	AV
5	5241.0105	76.40	8.22	84.62			133	299	AV
6	5241.4907	84.38	8.22	92.60			272	34	PK
7	5350.0000	45.02	9.96	54.98	74.00	19.02	154	70	PK
8	5350.0000	34.33	9.96	44.29	54.00	9.71	227	114	AV
9	5401.8909	46.79	10.07	56.86	74.00	17.14	166	22	PK
10	5407.1736	35.02	10.22	45.24	54.00	8.76	137	132	AV
11	10480.0000	27.35	14.30	41.65	68.20	26.55	185	28	PK
12	10480.0000	18.08	14.30	32.38	54.00	21.62	204	248	AV
13	15720.0000	23.45	19.58	43.03	74.00	30.97	273	324	PK
14	15720.0000	14.44	19.58	34.02	54.00	19.98	289	248	AV



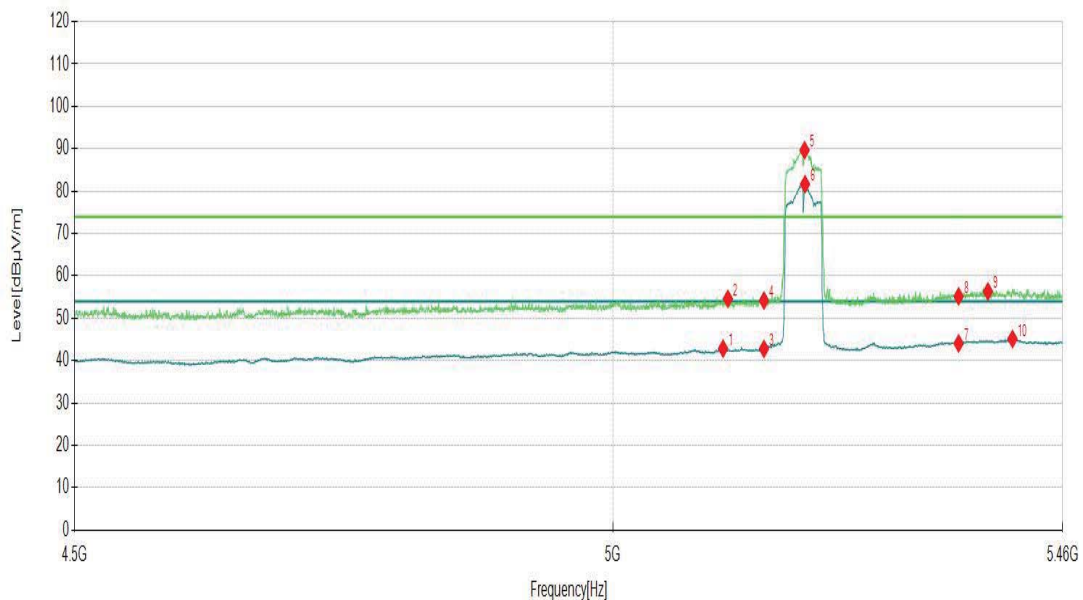
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5108.9445	34.83	8.02	42.85	54.00	11.15	183	280	AV
2	5113.7469	46.65	7.96	54.61	74.00	19.39	309	176	PK
3	5150.0000	34.77	8.03	42.80	54.00	11.20	240	23	AV
4	5150.0000	46.14	8.03	54.17	74.00	19.83	126	67	PK
5	5191.0655	82.03	7.64	89.67			204	25	PK
6	5191.5458	73.99	7.64	81.63			211	25	AV
7	5350.0000	34.11	9.96	44.07	54.00	9.93	192	236	AV
8	5350.0000	45.22	9.96	55.18	74.00	18.82	184	355	PK
9	5380.7604	46.20	10.12	56.32	74.00	17.68	210	142	PK
10	5406.6933	34.92	10.20	45.12	54.00	8.88	242	338	AV
11	10380.0000	27.51	14.14	41.65	68.20	26.55	227	164	PK
12	10380.0000	18.09	14.14	32.23	54.00	21.77	137	348	AV
13	15570.0000	23.61	19.64	43.25	74.00	30.75	193	220	PK
14	15570.0000	13.66	19.64	33.30	54.00	20.70	156	240	AV



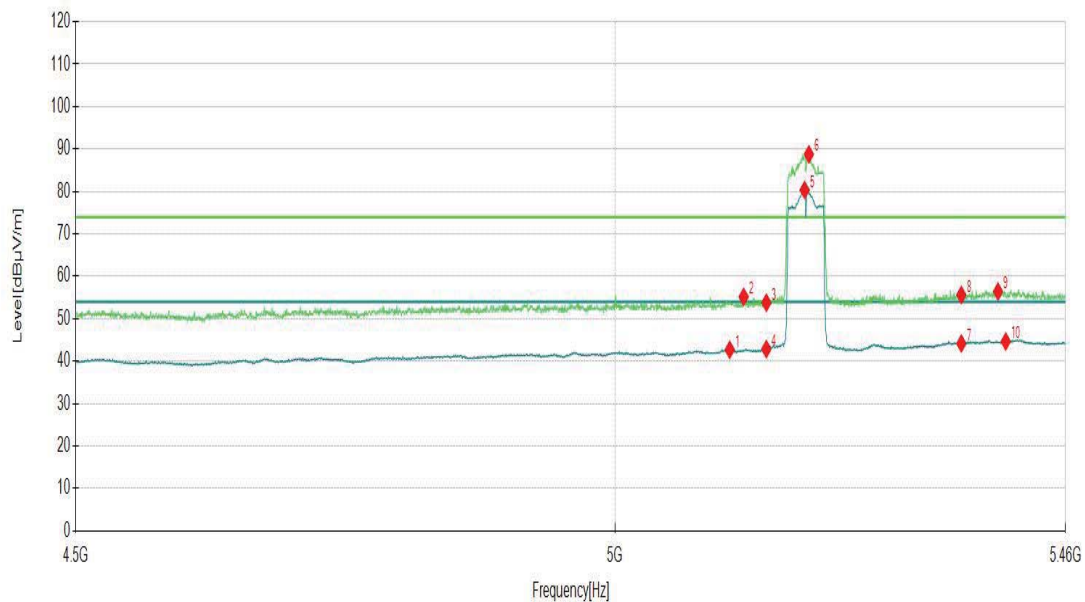
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 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	5113.2666	34.71	7.97	42.68	54.00	11.32	237	353	AV
2	5127.1936	47.06	8.11	55.17	74.00	18.83	116	90	PK
3	5150.0000	45.74	8.03	53.77	74.00	20.23	292	29	PK
4	5150.0000	34.81	8.03	42.84	54.00	11.16	239	301	AV
5	5188.6643	72.67	7.68	80.35			309	297	AV
6	5192.9865	81.10	7.64	88.74			121	125	PK
7	5350.0000	34.20	9.96	44.16	54.00	9.84	138	213	AV
8	5350.0000	45.65	9.96	55.61	74.00	18.39	238	86	PK
9	5388.4442	46.34	10.07	56.41	74.00	17.59	208	223	PK
10	5396.6083	34.60	10.03	44.63	54.00	9.37	309	159	AV
11	10380.0000	26.97	14.14	41.11	68.20	27.09	197	103	PK
12	10380.0000	18.36	14.14	32.50	54.00	21.50	208	359	AV
13	15570.0000	23.36	19.64	43.00	74.00	31.00	133	35	PK
14	15570.0000	13.80	19.64	33.44	54.00	20.56	188	57	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	5075.3277	34.94	7.62	42.56	54.00	11.44	195	114	AV
2	5131.9960	47.24	8.19	55.43	74.00	18.57	134	32	PK
3	5150.0000	34.50	8.03	42.53	54.00	11.47	160	14	AV
4	5150.0000	45.92	8.03	53.95	74.00	20.05	302	251	PK
5	5228.0440	80.36	8.20	88.56			230	28	PK
6	5229.0045	72.42	8.20	80.62			217	24	AV
7	5350.0000	34.31	9.96	44.27	54.00	9.73	167	307	AV
8	5350.0000	45.67	9.96	55.63	74.00	18.37	263	162	PK
9	5408.1341	34.66	10.24	44.90	54.00	9.10	166	332	AV
10	5414.8574	46.84	10.03	56.87	74.00	17.13	218	1	PK
11	10460.0000	27.59	14.59	42.18	68.20	26.02	166	115	PK
12	10460.0000	18.16	14.59	32.75	54.00	21.25	169	43	AV
13	15690.0000	14.72	20.46	35.18	54.00	18.82	173	108	AV
14	15690.0000	23.61	20.46	44.07	74.00	29.93	199	108	PK

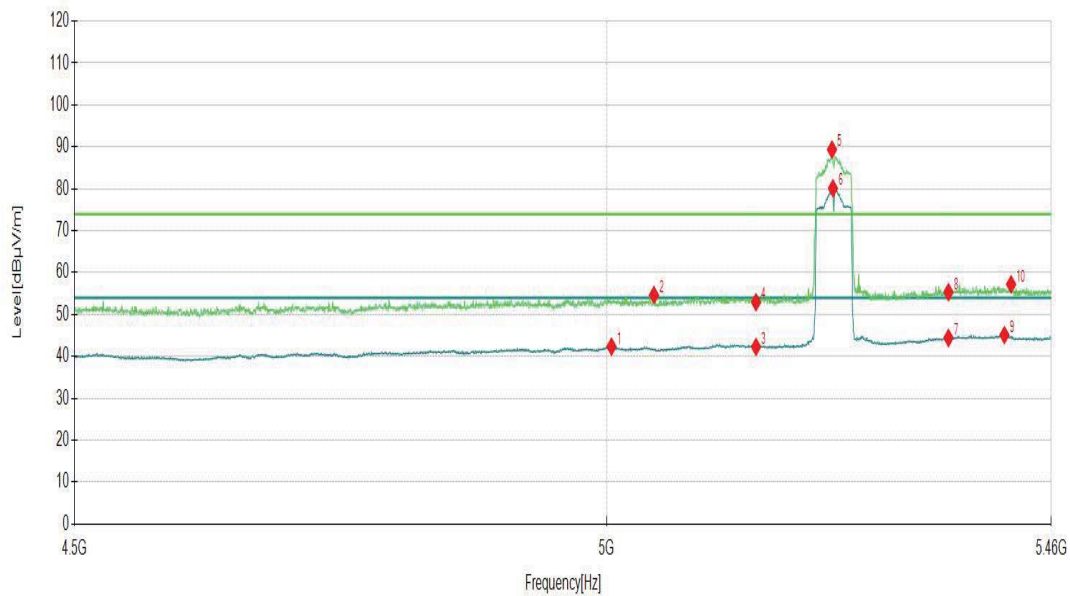
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5004.7324	34.84	7.48	42.32	54.00	11.68	199	263	AV
2	5046.9935	47.25	7.38	54.63	74.00	19.37	259	28	PK
3	5150.0000	34.25	8.03	42.28	54.00	11.72	229	198	AV
4	5150.0000	44.91	8.03	52.94	74.00	21.06	118	63	PK
5	5228.0440	81.17	8.20	89.37			169	301	PK
6	5229.0045	71.91	8.20	80.11			237	301	AV
7	5350.0000	34.46	9.96	44.42	54.00	9.58	279	272	AV
8	5350.0000	45.38	9.96	55.34	74.00	18.66	162	313	PK
9	5409.5748	34.82	10.28	45.10	54.00	8.90	146	42	AV
10	5416.7784	47.27	9.93	57.20	74.00	16.80	255	163	PK
11	10460.0000	28.52	14.59	43.11	68.20	25.09	119	240	PK
12	10460.0000	17.96	14.59	32.55	54.00	21.45	234	243	AV
13	15690.0000	14.83	20.46	35.29	54.00	18.71	228	246	AV
14	15690.0000	23.67	20.46	44.13	74.00	29.87	200	187	PK



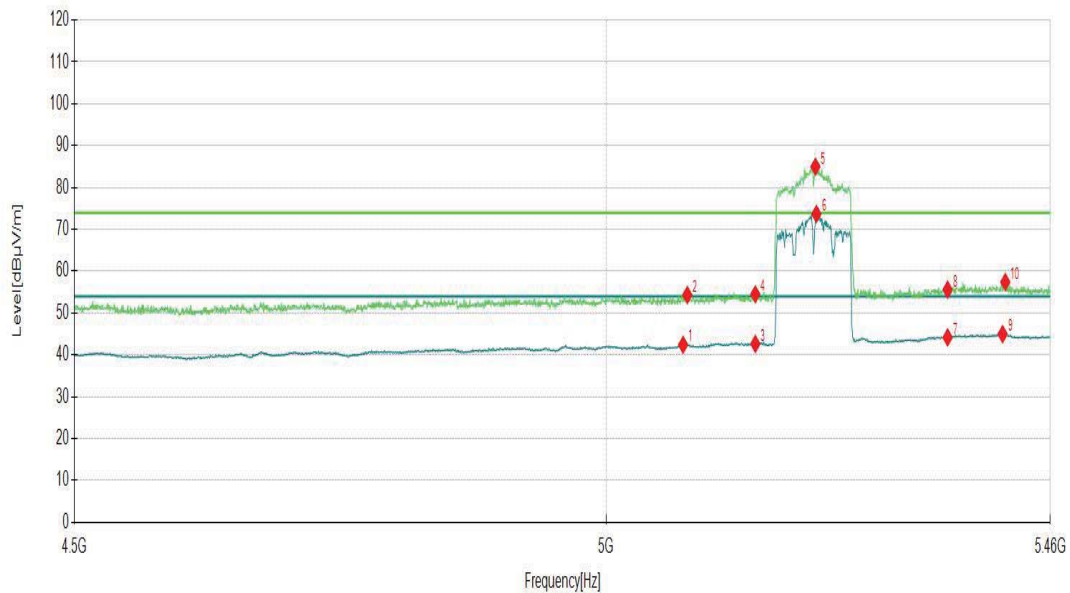
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5076.7684	34.74	7.68	42.42	54.00	11.58	287	330	AV
2	5081.0905	46.52	7.79	54.31	74.00	19.69	134	270	PK
3	5150.0000	34.61	8.03	42.64	54.00	11.36	259	128	AV
4	5150.0000	46.45	8.03	54.48	74.00	19.52	147	18	PK
5	5211.7159	76.45	8.52	84.97			124	24	PK
6	5212.6763	65.19	8.48	73.67			117	28	AV
7	5350.0000	34.23	9.96	44.19	54.00	9.81	183	314	AV
8	5350.0000	45.65	9.96	55.61	74.00	18.39	159	118	PK
9	5408.6143	34.71	10.26	44.97	54.00	9.03	127	322	AV
10	5411.4957	47.18	10.21	57.39	74.00	16.61	258	201	PK
11	10420.0000	28.52	14.27	42.79	68.20	25.41	155	21	PK
12	10420.0000	18.77	14.27	33.04	54.00	20.96	127	347	AV
13	15630.0000	23.79	20.00	43.79	74.00	30.21	166	243	PK
14	15630.0000	14.41	20.00	34.41	54.00	19.59	187	204	AV



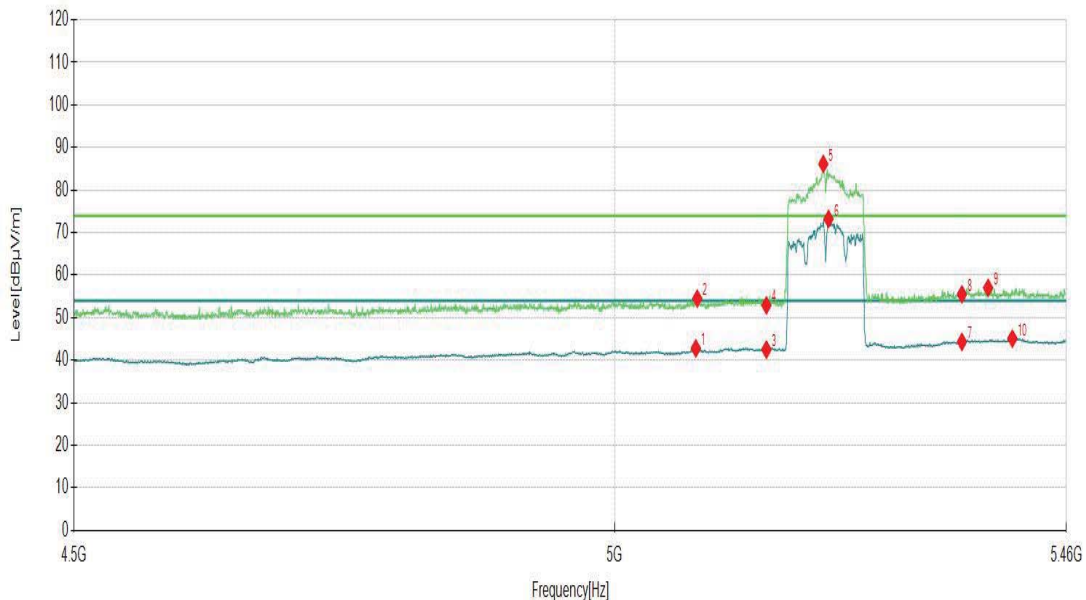
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5079.6498	34.99	7.80	42.79	54.00	11.21	135	5	AV
2	5081.0905	46.68	7.79	54.47	74.00	19.53	220	11	PK
3	5150.0000	34.48	8.03	42.51	54.00	11.49	202	209	AV
4	5150.0000	44.87	8.03	52.90	74.00	21.10	278	184	PK
5	5207.3937	77.80	8.34	86.14			301	297	PK
6	5212.6763	64.74	8.48	73.22			112	301	AV
7	5350.0000	34.35	9.96	44.31	54.00	9.69	145	182	AV
8	5350.0000	45.55	9.96	55.51	74.00	18.49	235	48	PK
9	5377.3987	46.95	10.07	57.02	74.00	16.98	280	349	PK
10	5402.8514	34.98	10.10	45.08	54.00	8.92	306	136	AV
11	10420.0000	27.37	14.27	41.64	68.20	26.56	230	4	PK
12	10420.0000	18.48	14.27	32.75	54.00	21.25	306	351	AV
13	15630.0000	23.95	20.00	43.95	74.00	30.05	282	359	PK
14	15630.0000	15.35	20.00	35.35	54.00	18.65	153	131	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]



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

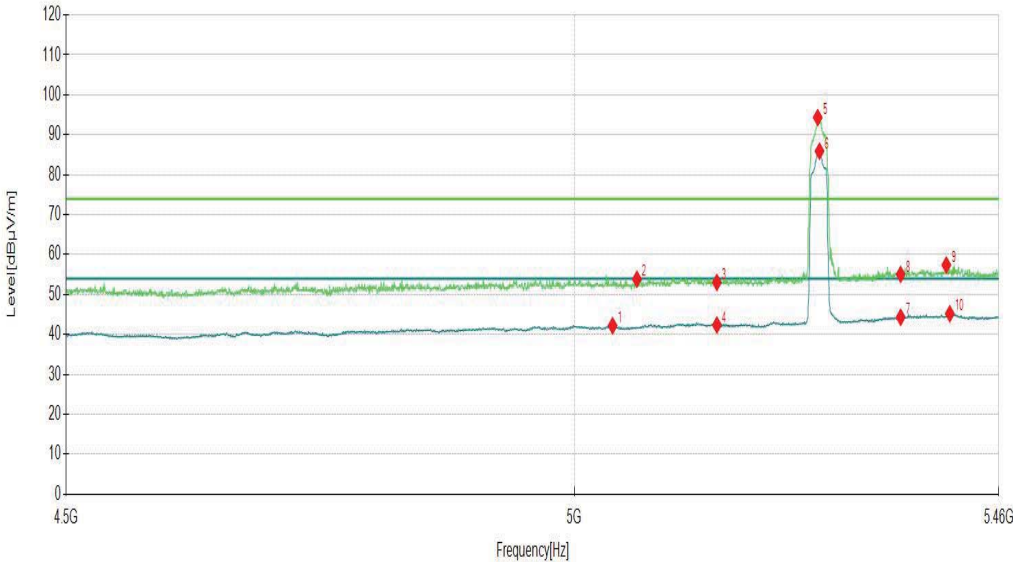
ABOVE 1GHz DATA

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	5029.7049	46.64	7.31	53.95	74.00	20.05	278	100	PK
2	5036.4282	34.43	7.54	41.97	54.00	12.03	305	304	AV
3	5150.0000	44.81	8.03	52.84	74.00	21.16	281	325	PK
4	5150.0000	34.41	8.03	42.44	54.00	11.56	190	79	AV
5	5258.7794	84.12	9.22	93.34			178	22	PK
6	5261.1806	76.24	9.27	85.51			209	34	AV
7	5350.0000	34.21	9.96	44.17	54.00	9.83	192	312	AV
8	5350.0000	46.28	9.96	56.24	74.00	17.76	280	242	PK
9	5407.6538	34.69	10.23	44.92	54.00	9.08	175	154	AV
10	5416.7784	47.30	9.93	57.23	74.00	16.77	264	154	PK
11	10520.0000	26.42	14.32	40.74	68.20	27.46	130	190	PK
12	10520.0000	18.08	14.32	32.40	54.00	21.60	215	243	AV
13	15780.0000	23.62	20.63	44.25	74.00	29.75	289	269	PK
14	15780.0000	13.42	20.63	34.05	54.00	19.95	281	311	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 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	5039.7899	34.53	7.66	42.19	54.00	11.81	189	217	AV
2	5065.2426	46.45	7.38	53.83	74.00	20.17	210	42	PK
3	5150.0000	45.00	8.03	53.03	74.00	20.97	176	75	PK
4	5150.0000	34.34	8.03	42.37	54.00	11.63	233	75	AV
5	5258.7794	85.11	9.22	94.33			262	300	PK
6	5260.7004	76.61	9.30	85.91			299	296	AV
7	5350.0000	34.35	9.96	44.31	54.00	9.69	202	109	AV
8	5350.0000	45.09	9.96	55.05	74.00	18.95	153	342	PK
9	5400.9305	47.33	10.05	57.38	74.00	16.62	213	155	PK
10	5404.7724	35.04	10.15	45.19	54.00	8.81	217	271	AV
11	10520.0000	27.10	14.32	41.42	68.20	26.78	183	170	PK
12	10520.0000	18.05	14.32	32.37	54.00	21.63	307	82	AV
13	15780.0000	22.34	20.63	42.97	74.00	31.03	300	40	PK
14	15780.0000	13.52	20.63	34.15	54.00	19.85	200	288	AV



The spectrum plot displays the measured signal levels across a frequency range from 4.5 GHz to 5.46 GHz. The y-axis represents the level in dBμV/m, ranging from 0 to 120. The x-axis represents the frequency in Hz. A green horizontal line at approximately 74 dBμV/m indicates the limit. Several peaks are identified and numbered 1 through 10, corresponding to the data in the table above. Peak 5 is the most prominent, reaching a level of 94.33 dBμV/m. Other peaks are visible at various frequencies, with levels ranging from 42.19 to 57.38 dBμV/m. The plot also shows a baseline level around 40-50 dBμV/m.

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 CH 60		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	28.23	14.18	42.41	74.00	31.59	272	4	PK
2	10600.0000	18.69	14.18	32.87	54.00	21.13	238	4	AV
3	15900.0000	23.49	20.99	44.48	74.00	29.52	209	1	PK
4	15900.0000	13.54	20.99	34.53	54.00	19.47	193	50	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	28.74	14.18	42.92	74.00	31.08	167	295	PK
2	10600.0000	18.84	14.18	33.02	54.00	20.98	221	118	AV
3	15900.0000	22.32	20.99	43.31	74.00	30.69	198	167	PK
4	15900.0000	13.54	20.99	34.53	54.00	19.47	254	115	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 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	5080.1301	34.62	7.82	42.44	54.00	11.56	190	1	AV
2	5088.2941	46.67	7.64	54.31	74.00	19.69	127	130	PK
3	5150.0000	34.31	8.03	42.34	54.00	11.66	164	155	AV
4	5150.0000	44.49	8.03	52.52	74.00	21.48	180	13	PK
5	5318.3292	84.96	9.01	93.97			304	22	PK
6	5321.2106	77.30	9.04	86.34			218	22	AV
7	5350.0000	34.32	9.96	44.28	54.00	9.72	139	359	AV
8	5350.0000	45.23	9.96	55.19	74.00	18.81	261	193	PK
9	5407.1736	34.77	10.22	44.99	54.00	9.01	151	138	AV
10	5412.4562	47.48	10.16	57.64	74.00	16.36	299	134	PK
11	10640.0000	27.95	14.17	42.12	74.00	31.88	180	328	PK
12	10640.0000	18.09	14.17	32.26	54.00	21.74	120	154	AV
13	15960.0000	22.03	21.31	43.34	74.00	30.66	179	259	PK
14	15960.0000	13.78	21.31	35.09	54.00	18.91	294	298	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).

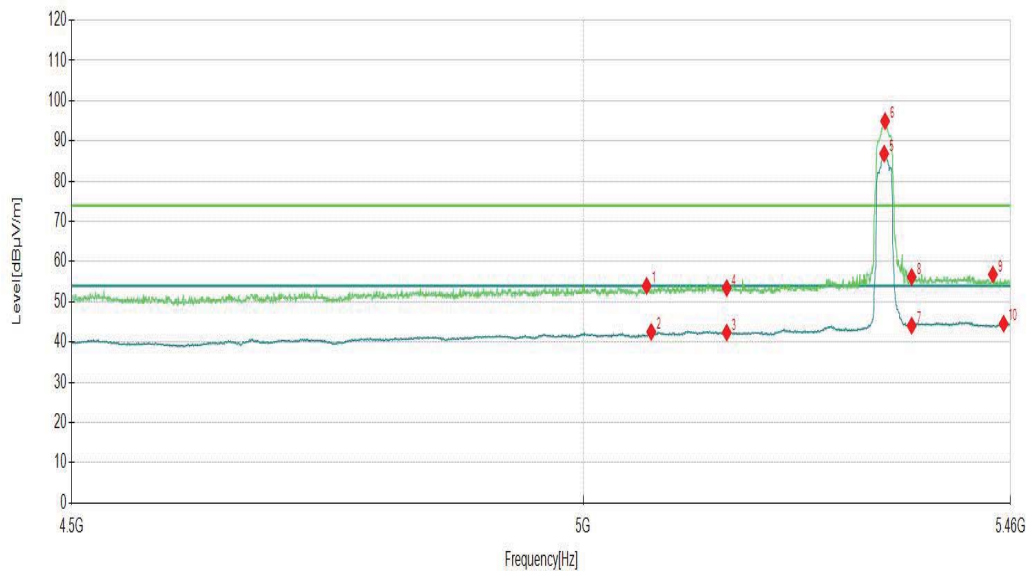
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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

Vertical

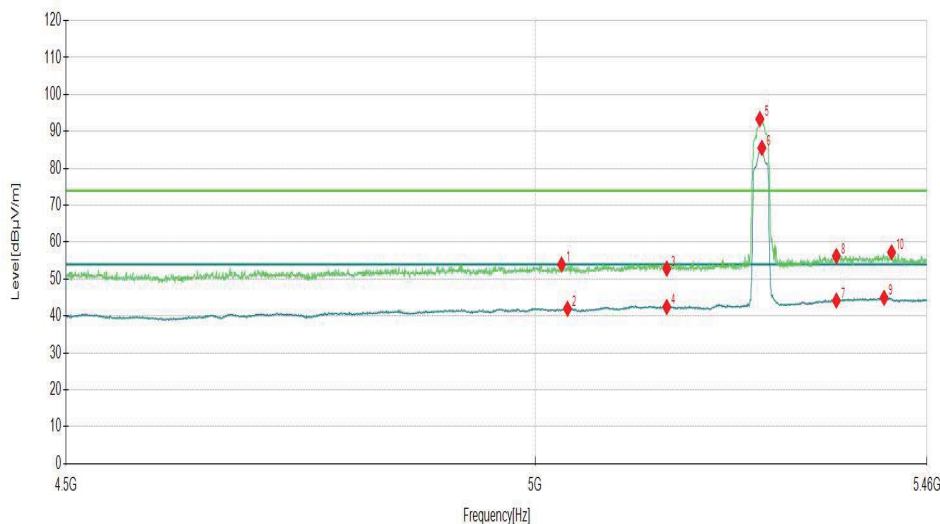
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5065.7229	46.56	7.38	53.94	74.00	20.06	192	84	PK
2	5070.5253	35.12	7.42	42.54	54.00	11.46	126	200	AV
3	5150.0000	34.34	8.03	42.37	54.00	11.63	140	130	AV
4	5150.0000	45.40	8.03	53.43	74.00	20.57	147	126	PK
5	5319.7699	77.87	8.98	86.85			168	304	AV
6	5320.7304	85.92	9.01	94.93			258	304	PK
7	5350.0000	34.11	9.96	44.07	54.00	9.93	210	47	AV
8	5350.0000	46.25	9.96	56.21	74.00	17.79	304	304	PK
9	5440.3102	47.08	9.73	56.81	74.00	17.19	210	246	PK
10	5452.3162	34.79	9.78	44.57	54.00	9.43	290	225	AV
11	10640.0000	27.73	14.17	41.90	74.00	32.10	269	125	PK
12	10640.0000	17.89	14.17	32.06	54.00	21.94	115	17	AV
13	15960.0000	23.01	21.31	44.32	74.00	29.68	256	275	PK
14	15960.0000	14.01	21.31	35.32	54.00	18.68	266	194	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	5029.7049	46.64	7.31	53.95	74.00	20.05	143	100	PK
2	5036.4282	34.43	7.54	41.97	54.00	12.03	204	304	AV
3	5150.0000	44.81	8.03	52.84	74.00	21.16	263	325	PK
4	5150.0000	34.41	8.03	42.44	54.00	11.56	173	79	AV
5	5258.7794	84.12	9.22	93.34			207	22	PK
6	5261.1806	76.24	9.27	85.51			194	34	AV
7	5350.0000	34.21	9.96	44.17	54.00	9.83	117	312	AV
8	5350.0000	46.28	9.96	56.24	74.00	17.76	296	242	PK
9	5407.6538	34.69	10.23	44.92	54.00	9.08	160	154	AV
10	5416.7784	47.30	9.93	57.23	74.00	16.77	188	154	PK
11	10520.0000	27.56	14.32	41.88	68.20	26.32	120	67	PK
12	10520.0000	18.52	14.32	32.84	54.00	21.16	123	99	AV
13	15780.0000	21.93	20.63	42.56	74.00	31.44	239	184	PK
14	15780.0000	12.96	20.63	33.59	54.00	20.41	288	191	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).

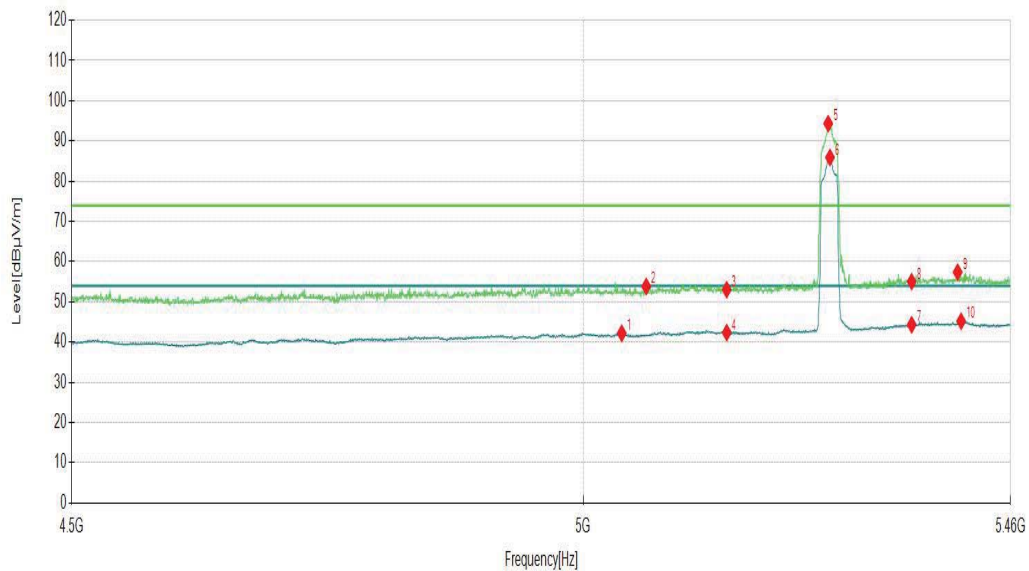
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5039.7899	34.53	7.66	42.19	54.00	11.81	147	217	AV
2	5065.2426	46.45	7.38	53.83	74.00	20.17	200	42	PK
3	5150.0000	45.00	8.03	53.03	74.00	20.97	302	75	PK
4	5150.0000	34.34	8.03	42.37	54.00	11.63	275	75	AV
5	5258.7794	85.11	9.22	94.33			182	300	PK
6	5260.7004	76.61	9.30	85.91			201	296	AV
7	5350.0000	34.35	9.96	44.31	54.00	9.69	296	109	AV
8	5350.0000	45.09	9.96	55.05	74.00	18.95	297	342	PK
9	5400.9305	47.33	10.05	57.38	74.00	16.62	183	155	PK
10	5404.7724	35.04	10.15	45.19	54.00	8.81	269	271	AV
11	10520.0000	27.24	14.32	41.56	68.20	26.64	132	86	PK
12	10520.0000	17.64	14.32	31.96	54.00	22.04	262	167	AV
13	15780.0000	21.88	20.63	42.51	74.00	31.49	306	56	PK
14	15780.0000	14.14	20.63	34.77	54.00	19.23	185	292	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]



CVC Testing Technology Co., Ltd.

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Channel		802.11n20 CH 60			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	27.12	14.83	41.95	74.00	32.05	110	125	PK
2	10600.0000	17.61	14.83	32.44	54.00	21.56	210	144	AV
3	15900.0000	21.33	23.16	44.49	68.20	23.71	146	308	PK
4	15900.0000	12.14	23.16	35.30	54.00	18.70	294	181	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	18.28	14.18	32.46	54.00	21.54	122	275	AV
2	10600.0000	27.55	14.18	41.73	74.00	32.27	118	6	PK
3	15900.0000	13.67	20.99	34.66	54.00	19.34	272	59	AV
4	15900.0000	24.16	20.99	45.15	74.00	28.85	135	177	PK
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	5080.1301	34.62	7.82	42.44	54.00	11.56	230	1	AV
2	5088.2941	46.67	7.64	54.31	74.00	19.69	128	130	PK
3	5150.0000	34.31	8.03	42.34	54.00	11.66	250	155	AV
4	5150.0000	44.49	8.03	52.52	74.00	21.48	203	13	PK
5	5318.3292	84.96	9.01	93.97			125	22	PK
6	5321.2106	77.30	9.04	86.34			276	22	AV
7	5350.0000	34.32	9.96	44.28	54.00	9.72	154	359	AV
8	5350.0000	45.23	9.96	55.19	74.00	18.81	225	193	PK
9	5407.1736	34.77	10.22	44.99	54.00	9.01	112	138	AV
10	5412.4562	47.48	10.16	57.64	74.00	16.36	211	134	PK
11	10640.0000	27.59	14.17	41.76	74.00	32.24	157	190	PK
12	10640.0000	18.20	14.17	32.37	54.00	21.63	188	285	AV
13	15960.0000	22.07	21.31	43.38	74.00	30.62	197	315	PK
14	15960.0000	14.52	21.31	35.83	54.00	18.17	157	6	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).

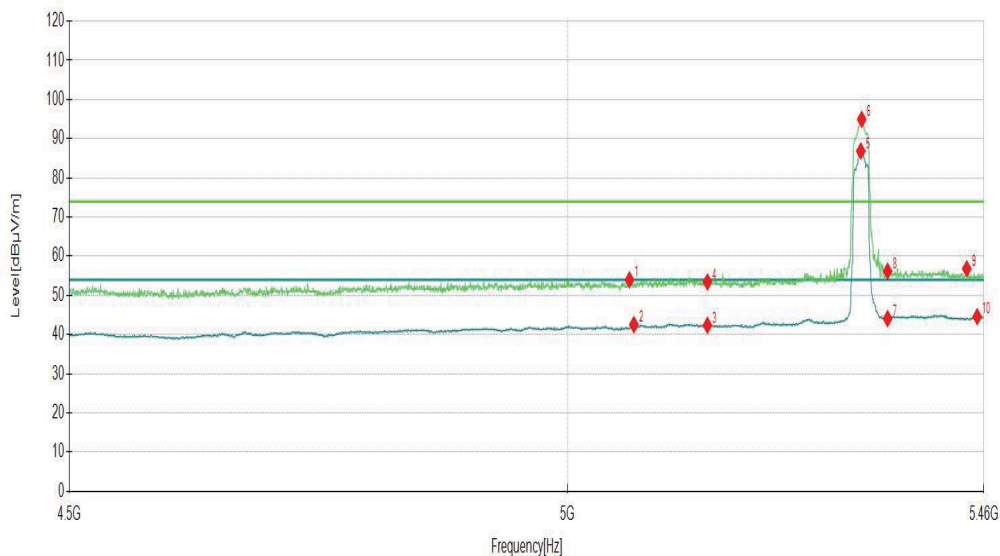
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5065.7229	46.56	7.38	53.94	74.00	20.06	184	84	PK
2	5070.5253	35.12	7.42	42.54	54.00	11.46	309	200	AV
3	5150.0000	34.34	8.03	42.37	54.00	11.63	284	130	AV
4	5150.0000	45.40	8.03	53.43	74.00	20.57	250	126	PK
5	5319.7699	77.87	8.98	86.85			222	304	AV
6	5320.7304	85.92	9.01	94.93			274	304	PK
7	5350.0000	34.11	9.96	44.07	54.00	9.93	136	47	AV
8	5350.0000	46.25	9.96	56.21	74.00	17.79	127	304	PK
9	5440.3102	47.08	9.73	56.81	74.00	17.19	240	246	PK
10	5452.3162	34.79	9.78	44.57	54.00	9.43	244	225	AV
11	10640.0000	27.26	14.17	41.43	74.00	32.57	226	9	PK
12	10640.0000	18.23	14.17	32.40	54.00	21.60	215	292	AV
13	15960.0000	22.73	21.31	44.04	74.00	29.96	308	186	PK
14	15960.0000	13.66	21.31	34.97	54.00	19.03	185	150	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	5073.8869	46.69	7.56	54.25	74.00	19.75	207	219	PK
2	5078.6893	34.36	7.76	42.12	54.00	11.88	184	82	AV
3	5150.0000	45.17	8.03	53.20	74.00	20.80	139	239	PK
4	5150.0000	34.03	8.03	42.06	54.00	11.94	262	357	AV
5	5267.9040	85.43	8.80	94.23			127	153	PK
6	5272.7064	77.71	8.63	86.34			254	155	AV
7	5350.0000	45.23	9.96	55.19	74.00	18.81	111	33	PK
8	5350.0000	34.15	9.96	44.11	54.00	9.89	276	115	AV
9	5374.5173	34.97	10.02	44.99	54.00	9.01	249	3	AV
10	5414.3772	46.94	10.06	57.00	74.00	17.00	264	217	PK
11	10540.0000	27.38	14.39	41.77	68.20	26.43	180	118	PK
12	10540.0000	18.01	14.39	32.40	54.00	21.60	260	314	AV
13	15810.0000	23.49	20.56	44.05	74.00	29.95	298	288	PK
14	15810.0000	13.56	20.56	34.12	54.00	19.88	135	121	AV

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Level [dBμV/m]

Frequency [Hz]

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).

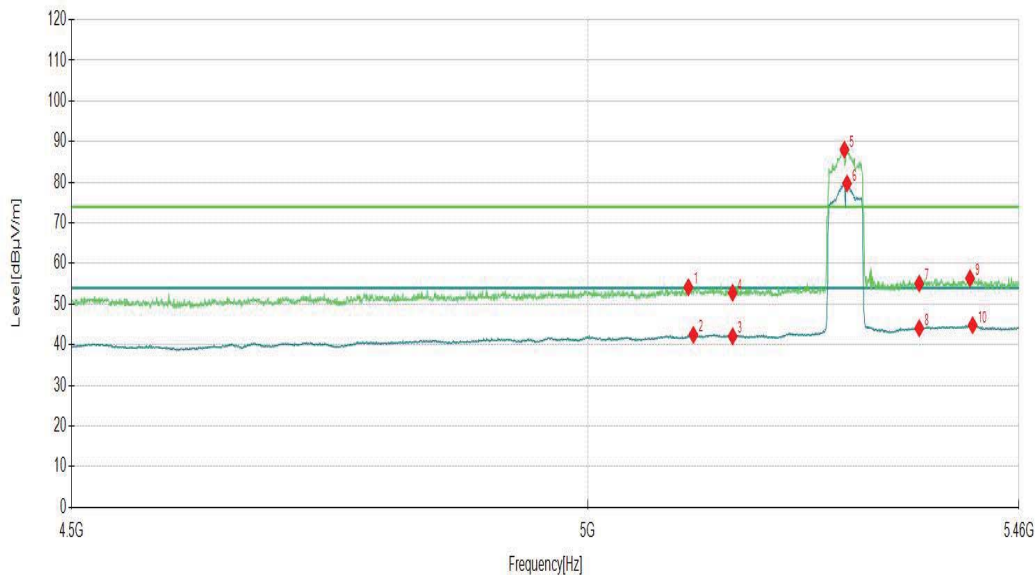
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5103.6618	46.41	7.74	54.15	74.00	19.85	190	290	PK
2	5108.9445	34.42	8.02	42.44	54.00	11.56	284	74	AV
3	5150.0000	34.06	8.03	42.09	54.00	11.91	310	282	AV
4	5150.0000	44.75	8.03	52.78	74.00	21.22	270	269	PK
5	5268.8644	79.28	8.73	88.01			174	298	PK
6	5271.7459	71.06	8.64	79.70			181	294	AV
7	5350.0000	45.13	9.96	55.09	74.00	18.91	284	231	PK
8	5350.0000	34.11	9.96	44.07	54.00	9.93	216	142	AV
9	5405.7329	46.17	10.18	56.35	74.00	17.65	302	121	PK
10	5408.6143	34.56	10.26	44.82	54.00	9.18	147	185	AV
11	10540.0000	26.91	14.39	41.30	68.20	26.90	246	112	PK
12	10540.0000	18.11	14.39	32.50	54.00	21.50	130	311	AV
13	15810.0000	22.77	20.56	43.33	74.00	30.67	215	115	PK
14	15810.0000	13.16	20.56	33.72	54.00	20.28	137	92	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	5079.6498	34.34	7.80	42.14	54.00	11.86	176	76	AV
2	5081.5708	46.28	7.78	54.06	74.00	19.94	271	287	PK
3	5150.0000	34.03	8.03	42.06	54.00	11.94	143	350	AV
4	5150.0000	45.06	8.03	53.09	74.00	20.91	217	131	PK
5	5308.2441	79.92	9.14	89.06			262	22	PK
6	5309.2046	71.38	9.18	80.56			172	22	AV
7	5350.0000	45.19	9.96	55.15	74.00	18.85	268	342	PK
8	5350.0000	34.20	9.96	44.16	54.00	9.84	300	42	AV
9	5407.1736	34.65	10.22	44.87	54.00	9.13	255	357	AV
10	5409.5748	46.27	10.28	56.55	74.00	17.45	180	127	PK
11	10620.0000	27.47	14.27	41.74	74.00	32.26	283	47	PK
12	10620.0000	18.14	14.27	32.41	54.00	21.59	212	171	AV
13	15930.0000	22.22	21.20	43.42	74.00	30.58	300	236	PK
14	15930.0000	13.01	21.20	34.21	54.00	19.79	161	125	AV

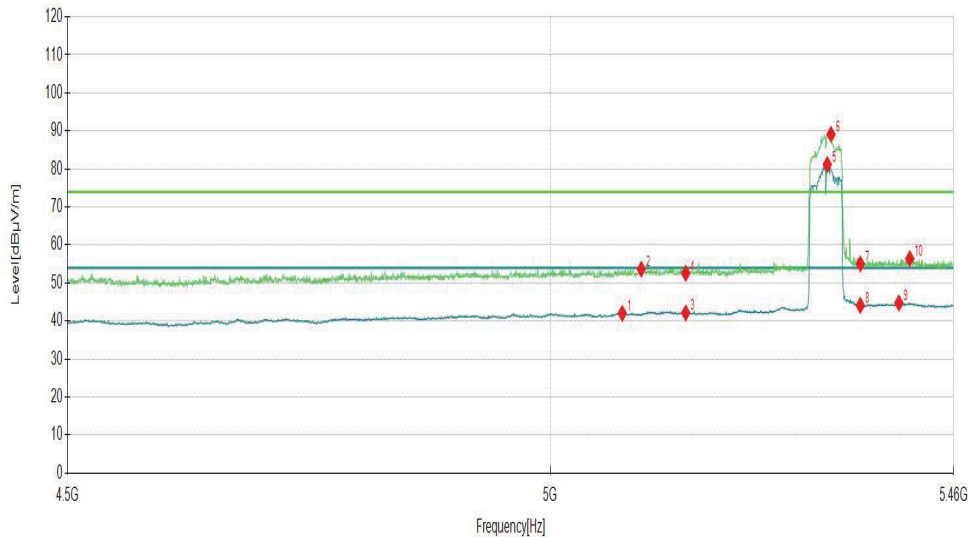
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	34.24	7.78	42.02	54.00	11.98	186	80	AV
2	5100.3002	46.07	7.57	53.64	74.00	20.36	184	105	PK
3	5150.0000	34.11	8.03	42.14	54.00	11.86	170	143	AV
4	5150.0000	44.55	8.03	52.58	74.00	21.42	156	249	PK
5	5311.6058	72.00	9.17	81.17			167	303	AV
6	5315.9280	80.03	9.07	89.10			161	303	PK
7	5350.0000	45.06	9.96	55.02	74.00	18.98	278	156	PK
8	5350.0000	34.15	9.96	44.11	54.00	9.89	285	356	AV
9	5395.1676	34.70	10.04	44.74	54.00	9.26	239	76	AV
10	5408.1341	46.15	10.24	56.39	74.00	17.61	275	291	PK
11	10620.0000	27.12	14.27	41.39	74.00	32.61	123	308	PK
12	10620.0000	18.06	14.27	32.33	54.00	21.67	158	158	AV
13	15930.0000	22.45	21.20	43.65	74.00	30.35	212	105	PK
14	15930.0000	13.02	21.20	34.22	54.00	19.78	131	76	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	5001.3707	34.42	7.52	41.94	54.00	12.06	215	258	AV
2	5014.8174	46.30	7.39	53.69	74.00	20.31	207	173	PK
3	5150.0000	34.18	8.03	42.21	54.00	11.79	306	329	AV
4	5150.0000	45.11	8.03	53.14	74.00	20.86	244	333	PK
5	5287.1136	74.58	8.61	83.19			293	14	PK
6	5293.8369	62.86	8.70	71.56			193	22	AV
7	5350.0000	33.97	9.96	43.93	54.00	10.07	220	359	AV
8	5350.0000	44.83	9.96	54.79	74.00	19.21	265	140	PK
9	5410.5353	34.52	10.27	44.79	54.00	9.21	174	313	AV
10	5411.9760	46.45	10.19	56.64	74.00	17.36	153	342	PK
11	10580.0000	27.85	14.11	41.96	68.20	26.24	170	258	PK
12	10580.0000	18.16	14.11	32.27	54.00	21.73	236	76	AV
13	15870.0000	22.74	20.81	43.55	74.00	30.45	204	219	PK
14	15870.0000	13.39	20.81	34.20	54.00	19.80	196	357	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 CH58	Frequency	5290 MHz _z						
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	5077.7289	34.43	7.72	42.15	54.00	11.85	209	186	AV
2	5082.5313	46.32	7.76	54.08	74.00	19.92	233	274	PK
3	5150.0000	34.14	8.03	42.17	54.00	11.83	284	144	AV
4	5150.0000	44.61	8.03	52.64	74.00	21.36	119	31	PK
5	5287.5938	76.66	8.61	85.27			181	299	PK
6	5292.8764	63.50	8.68	72.18			224	299	AV
7	5350.0000	44.44	9.96	54.40	74.00	19.60	151	136	PK
8	5350.0000	34.21	9.96	44.17	54.00	9.83	187	73	AV
9	5402.8514	34.77	10.10	44.87	54.00	9.13	196	65	AV
10	5415.8179	47.02	9.98	57.00	74.00	17.00	298	111	PK
11	10580.0000	28.24	14.11	42.35	68.20	25.85	112	331	PK
12	10580.0000	18.62	14.11	32.73	54.00	21.27	115	79	AV
13	15870.0000	22.24	20.81	43.05	74.00	30.95	183	95	PK
14	15870.0000	13.85	20.81	34.66	54.00	19.34	291	1	AV

The graph displays the emission level in dBμV/m across a frequency range from 4.5 GHz to 5.4 GHz. The y-axis ranges from 0 to 120 dBμV/m. A green line represents the limit, and a blue line represents the level. Peaks are labeled with red diamonds and numbers 1 through 10, corresponding to the data in the table above. The level is generally below the limit, with a significant peak at 5287.5938 MHz (peak 5) reaching 85.27 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]



3.1.8 TEST RESULTS - Band 3 (5500-5700MHz):

ABOVE 1GHz DATA

Channel	802.11a CH100	Frequency	5500 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	5447.5488	35.85	9.72	45.57	54.00	8.43	127	266	AV
2	5454.6773	47.51	9.84	57.35	74.00	16.65	136	288	PK
3	5470.0000	51.12	9.94	61.06	68.20	7.14	132	305	PK
4	5494.9475	94.84	9.02	103.86			117	266	PK
5	5504.5773	86.17	9.46	95.63			239	266	AV
6	11000.0000	27.04	14.83	41.87	74.00	32.13	215	314	PK
7	11000.0000	17.66	14.83	32.49	54.00	21.51	218	84	AV
8	16500.0000	20.80	23.16	43.96	68.20	24.24	120	274	PK
9	16500.0000	12.28	23.16	35.44	54.00	18.56	127	104	AV

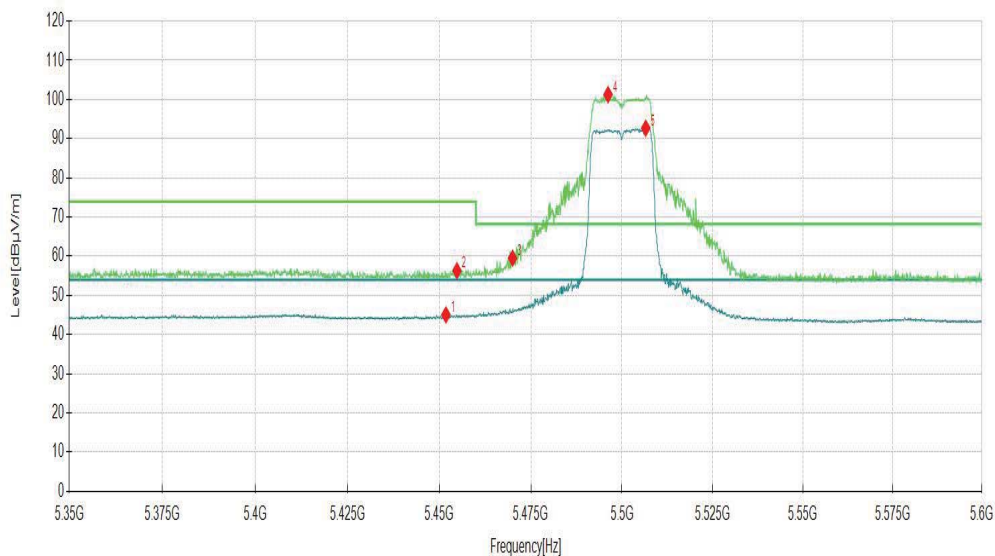
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a CH100	Frequency	5500 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	5451.8009	35.29	9.76	45.05	54.00	8.95	301	122	AV
2	5454.8024	46.46	9.85	56.31	74.00	17.69	273	341	PK
3	5470.0000	49.57	9.94	59.51	68.20	8.69	289	298	PK
4	5496.1981	92.17	9.07	101.24			294	324	PK
5	5506.5783	83.14	9.57	92.71			163	324	AV
6	11000.0000	26.71	14.83	41.54	74.00	32.46	281	301	PK
7	11000.0000	17.74	14.83	32.57	54.00	21.43	308	301	AV
8	16500.0000	21.68	23.16	44.84	68.20	23.36	294	29	PK
9	16500.0000	11.99	23.16	35.15	54.00	18.85	236	71	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]



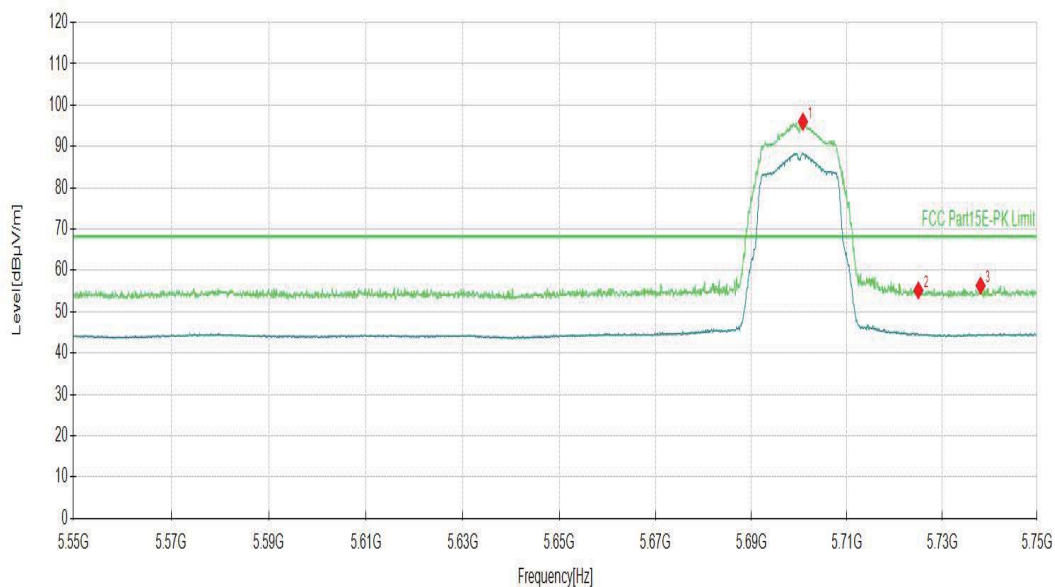
Channel		802.11a CH 116		Frequency		5580MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11160.0000	26.63	14.83	41.46	74.00	32.54	145	213	PK
2	11160.0000	17.31	14.83	32.14	54.00	21.86	248	85	AV
3	16740.0000	22.10	23.16	45.26	68.20	22.94	265	301	PK
4	16740.0000	12.28	23.16	35.44	54.00	18.56	127	147	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	11160.0000	26.76	14.83	41.59	74.00	32.41	136	329	PK
2	11160.0000	17.88	14.83	32.71	54.00	21.29	239	108	AV
3	16740.0000	21.86	23.16	45.02	68.20	23.18	288	45	PK
4	16740.0000	12.15	23.16	35.31	54.00	18.69	173	104	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 CH140	Frequency	5700 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	5700.7754	87.06	8.94	96.00			176	24	PK
2	5725.0000	46.29	8.89	55.18	68.20	13.02	303	317	PK
3	5738.0940	47.42	8.89	56.31	68.20	11.89	188	70	PK
4	11400.0000	26.20	15.09	41.29	74.00	32.71	156	360	PK
5	11400.0000	18.02	15.09	33.11	54.00	20.89	262	42	AV
6	17100.0000	19.98	25.93	45.91	68.20	22.29	147	281	PK
7	17100.0000	10.70	25.93	36.63	54.00	17.37	142	330	AV



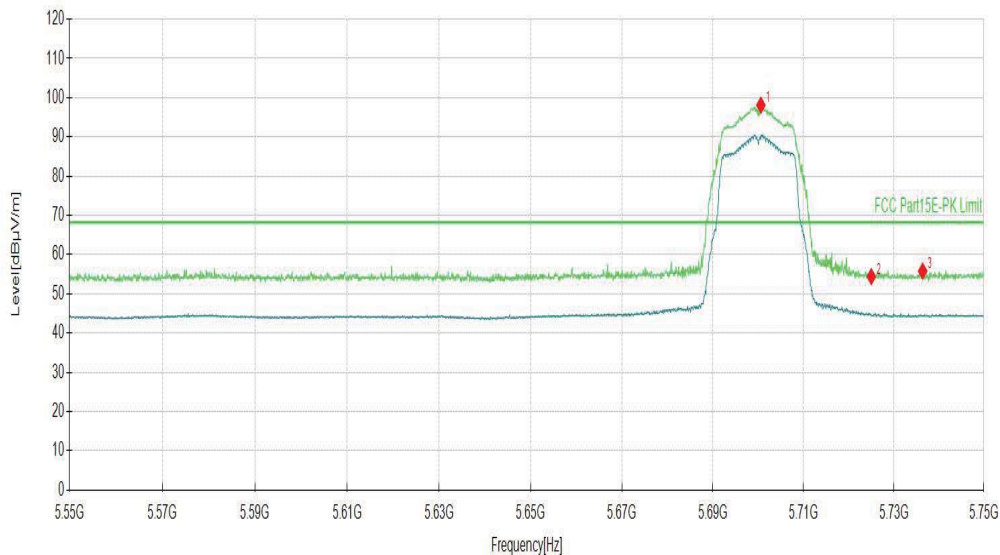
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11a CH140	Frequency	5700 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	5700.5753	89.15	8.94	98.09			171	218	PK
2	5725.0000	45.51	8.89	54.40	68.20	13.80	165	289	PK
3	5736.3932	46.95	8.84	55.79	68.20	12.41	138	339	PK
4	11400.0000	26.27	15.09	41.36	74.00	32.64	211	172	PK
5	11400.0000	16.93	15.09	32.02	54.00	21.98	232	309	AV
6	17100.0000	19.87	25.93	45.80	68.20	22.40	216	283	PK
7	17100.0000	10.77	25.93	36.70	54.00	17.30	304	339	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]

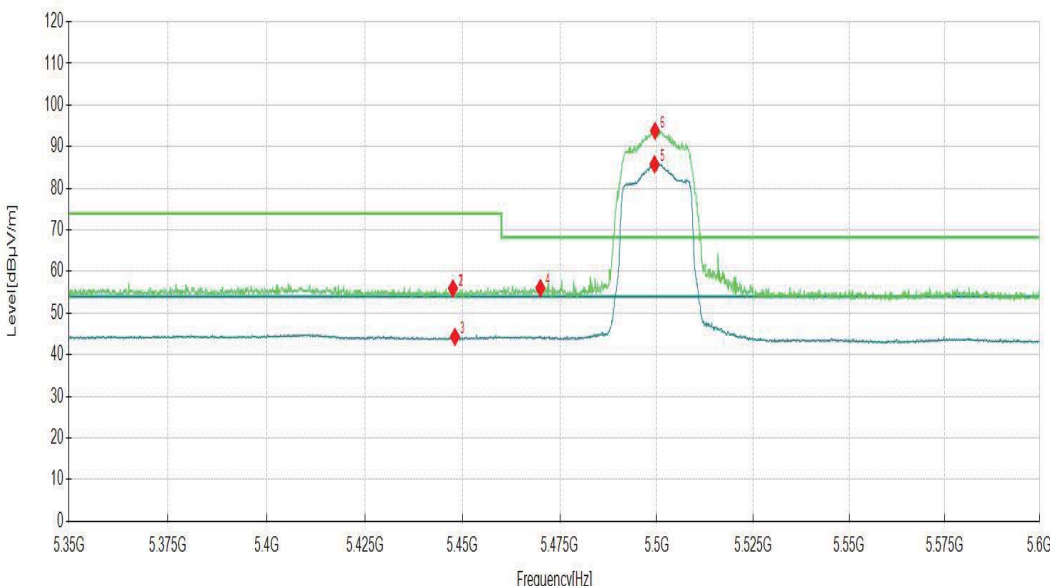


Channel	802.11n20 CH100		Frequency		5500 MHz				
Frequency Range	Above 1G		Detector Function		PK/AV				
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5444.0470	46.32	9.72	56.04	74.00	17.96	238	328	PK
2	5448.9245	34.50	9.71	44.21	54.00	9.79	200	95	AV
3	5470.0000	44.72	9.94	54.66	68.20	13.54	281	231	PK
4	5498.3242	85.05	9.14	94.19			251	32	PK
5	5499.3247	77.12	9.18	86.30			265	28	AV
6	11000.0000	26.19	14.83	41.02	74.00	32.98	138	3	PK
7	11000.0000	17.85	14.83	32.68	54.00	21.32	221	28	AV
8	16500.0000	21.02	23.16	44.18	68.20	24.02	209	294	PK
9	16500.0000	12.24	23.16	35.40	54.00	18.60	220	87	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 CH100	Frequency	5500 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	5447.5488	46.23	9.72	55.95	74.00	18.05	238	89	PK
2	5448.0490	34.59	9.72	44.31	54.00	9.69	200	244	AV
3	5470.0000	46.07	9.94	56.01	68.20	12.19	281	30	PK
4	5499.4497	76.60	9.19	85.79			251	26	AV
5	5499.5748	84.61	9.19	93.80			265	30	PK
6	11000.0000	26.19	14.83	41.02	74.00	32.98	138	3	PK
7	11000.0000	17.85	14.83	32.68	54.00	21.32	221	28	AV
8	16500.0000	21.02	23.16	44.18	68.20	24.02	209	294	PK
9	16500.0000	12.24	23.16	35.40	54.00	18.60	220	87	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]



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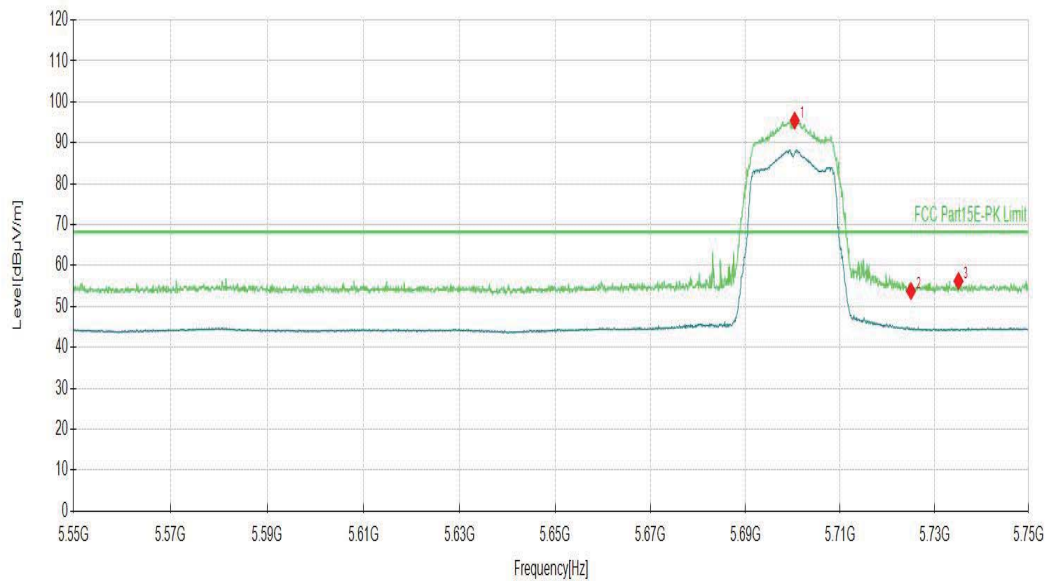
Channel		802.11n20 CH 116			Frequency		5580MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11160.0000	26.88	15.23	42.11	74.00	31.89	191	193	PK
2	11160.0000	17.61	15.23	32.84	54.00	21.16	226	347	AV
3	16740.0000	21.10	24.45	45.55	68.20	22.65	210	95	PK
4	16740.0000	12.30	24.45	36.75	54.00	17.25	122	112	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	11160.0000	27.22	15.23	42.45	74.00	31.55	238	161	PK
2	11160.0000	17.70	15.23	32.93	54.00	21.07	179	227	AV
3	16740.0000	22.85	24.45	47.30	68.20	20.90	237	233	PK
4	16740.0000	12.70	26.10	38.80	54.00	15.20	197	276	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 CH140	Frequency	5700 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	5700.3752	86.48	8.95	95.43			301	31	PK
2	5725.0000	44.89	8.89	53.78	68.20	14.42	115	18	PK
3	5735.0925	47.41	8.81	56.22	68.20	11.98	168	0	PK
4	11400.0000	26.13	15.09	41.22	74.00	32.78	165	29	PK
5	11400.0000	17.49	15.09	32.58	54.00	21.42	221	279	AV
6	17100.0000	19.57	25.93	45.50	68.20	22.70	275	334	PK
7	17100.0000	10.95	25.93	36.88	54.00	17.12	189	298	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 CH140	Frequency	5700 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	5700.8754	89.11	8.93	98.04			165	218	PK
2	5725.0000	44.85	8.89	53.74	68.20	14.46	214	3	PK
3	5742.9965	46.84	8.94	55.78	68.20	12.42	198	302	PK
4	11400.0000	27.76	15.09	42.85	74.00	31.15	120	273	PK
5	11400.0000	17.29	15.09	32.38	54.00	21.62	151	141	AV
6	17100.0000	20.62	25.93	46.55	68.20	21.65	176	253	PK
7	17100.0000	11.29	25.93	37.22	54.00	16.78	190	13	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).

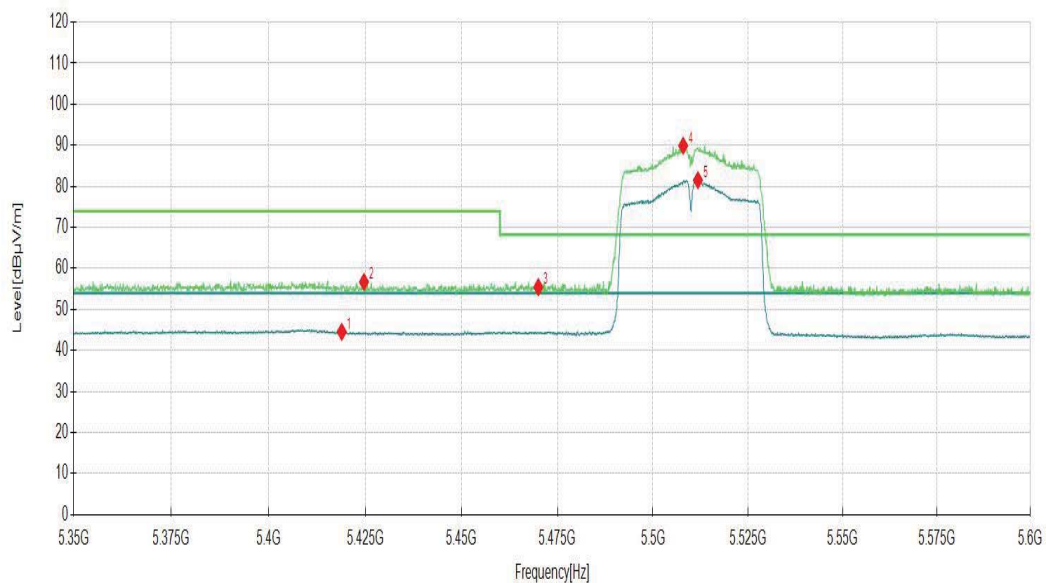
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH102	Frequency	5510 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	5418.9095	34.71	9.82	44.53	54.00	9.47	239	53	AV
2	5424.6623	46.91	9.80	56.71	74.00	17.29	271	69	PK
3	5470.0000	45.49	9.94	55.43	68.20	12.77	222	328	PK
4	5507.9540	80.25	9.64	89.89			112	22	PK
5	5511.8309	71.78	9.72	81.50			116	27	AV
6	11020.0000	26.57	14.89	41.46	74.00	32.54	202	359	PK
7	11020.0000	17.89	14.89	32.78	54.00	21.22	254	358	AV
8	16530.0000	21.93	23.21	45.14	68.20	23.06	267	84	PK
9	16530.0000	12.07	23.21	35.28	54.00	18.72	247	192	AV



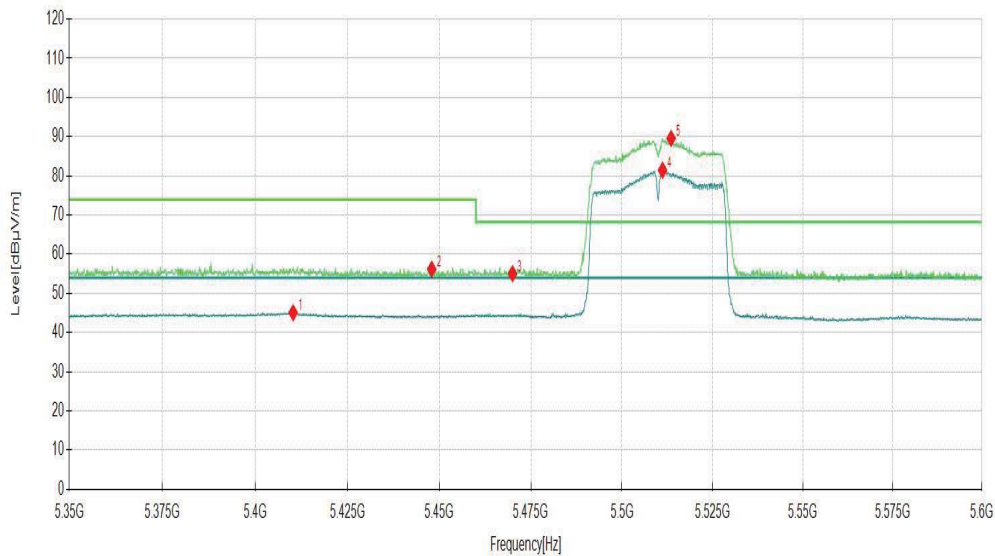
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH102	Frequency	5510 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	5410.2801	34.80	10.28	45.08	54.00	8.92	255	228	AV
2	5447.9240	46.48	9.72	56.20	74.00	17.80	216	140	PK
3	5470.0000	45.11	9.94	55.05	68.20	13.15	218	338	PK
4	5511.2056	71.71	9.73	81.44			310	212	AV
5	5513.5818	79.88	9.68	89.56			127	212	PK
6	11020.0000	27.49	14.89	42.38	74.00	31.62	292	357	PK
7	11020.0000	18.27	14.89	33.16	54.00	20.84	195	88	AV
8	16530.0000	22.54	23.21	45.75	68.20	22.45	125	60	PK
9	16530.0000	12.41	23.21	35.62	54.00	18.38	151	1	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]



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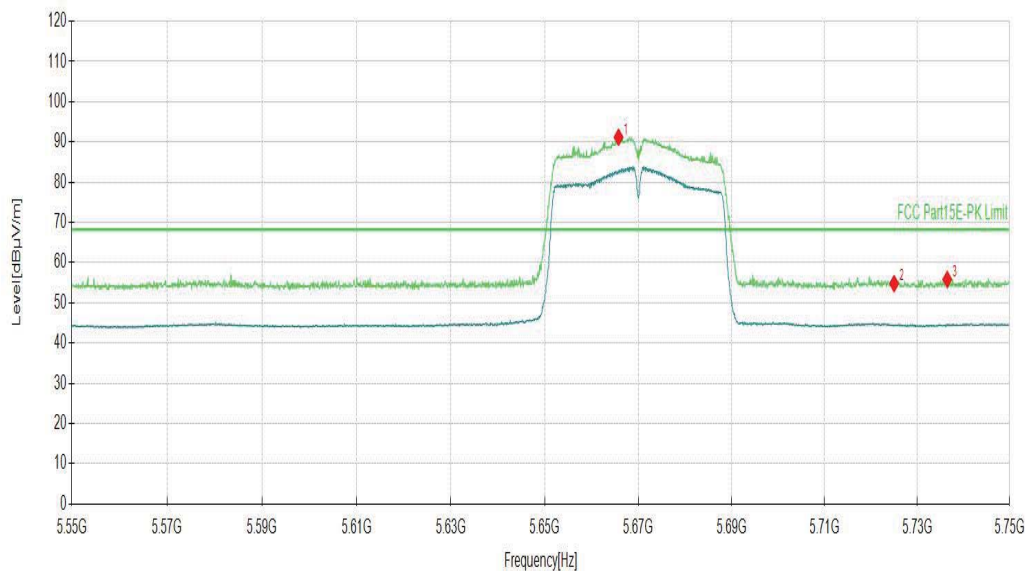
Channel			802.11n40 CH 110		Frequency		5550MHz		
Frequency Range			Above 1G		Detector Function		PK/AV		
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11100.0000	27.03	15.25	42.28	74.00	31.72	230	202	PK
2	11100.0000	18.80	15.25	34.05	54.00	19.95	287	258	AV
3	16650.0000	21.45	24.11	45.56	68.20	22.64	137	339	PK
4	16650.0000	12.63	24.11	36.74	54.00	17.26	125	242	AV
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	11100.0000	17.39	15.25	32.64	54.00	21.36	159	170	AV
2	11100.0000	27.39	15.25	42.64	74.00	31.36	140	230	PK
3	16650.0000	12.73	24.11	36.84	54.00	17.16	114	113	AV
4	16650.0000	20.93	24.11	45.04	68.20	23.16	309	247	PK
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 CH134	Frequency	5670 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	5665.7579	81.93	9.23	91.16			170	24	PK
2	5725.0000	45.88	8.89	54.77	68.20	13.43	144	112	PK
3	5736.4932	46.96	8.85	55.81	68.20	12.39	143	109	PK
4	11340.0000	27.27	14.88	42.15	74.00	31.85	148	1	PK
5	11340.0000	17.64	14.88	32.52	54.00	21.48	175	139	AV
6	17010.0000	21.19	26.15	47.34	68.20	20.86	178	113	PK
7	17010.0000	11.78	26.15	37.93	54.00	16.07	180	63	AV



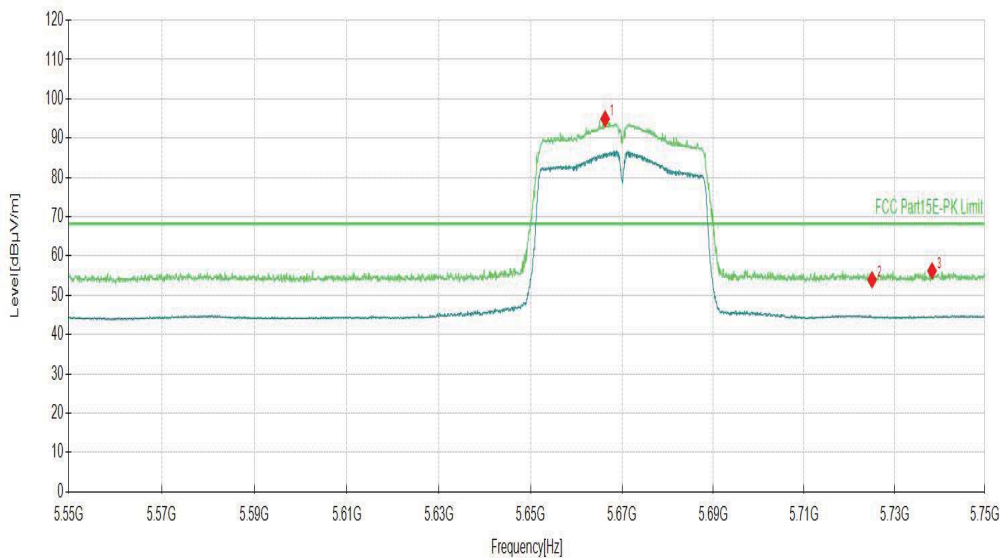
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 CH134	Frequency	5670 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	5666.2581	85.67	9.23	94.90			173	215	PK
2	5725.0000	45.07	8.89	53.96	68.20	14.24	243	358	PK
3	5738.2941	47.35	8.89	56.24	68.20	11.96	119	127	PK
4	11340.0000	27.22	14.88	42.10	74.00	31.90	290	201	PK
5	11340.0000	18.09	14.88	32.97	54.00	21.03	255	191	AV
6	17010.0000	20.62	26.15	46.77	68.20	21.43	149	30	PK
7	17010.0000	11.70	26.15	37.85	54.00	16.15	242	60	AV



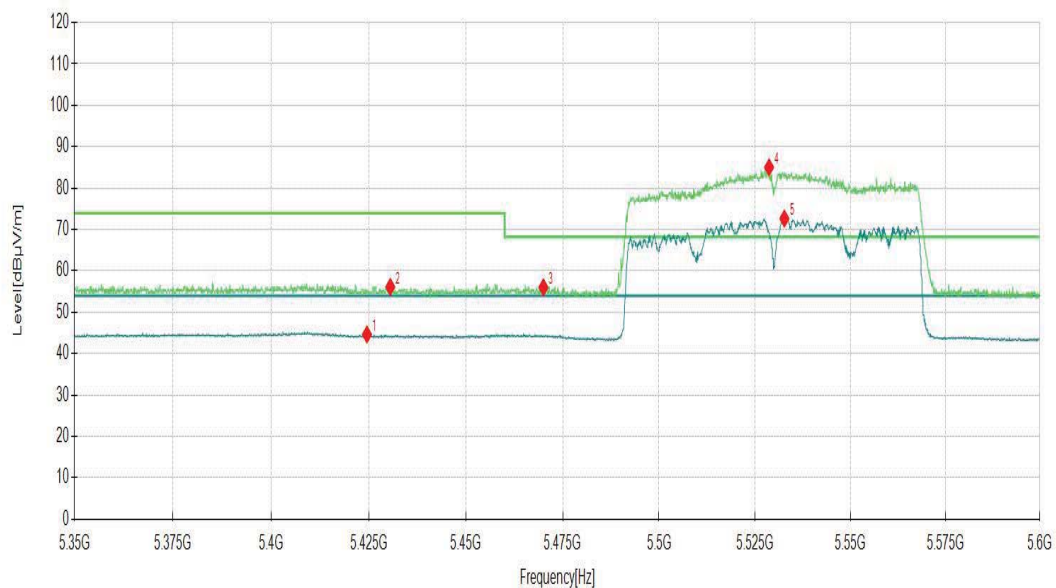
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH106	Frequency	5530 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	5424.5373	34.86	9.80	44.66	54.00	9.34	161	14	AV
2	5430.5403	46.28	9.85	56.13	74.00	17.87	122	65	PK
3	5470.0000	46.07	9.94	56.01	68.20	12.19	249	40	PK
4	5528.7144	76.04	8.98	85.02			182	32	PK
5	5532.7164	63.71	8.95	72.66			308	23	AV
6	11060.0000	27.25	15.05	42.30	74.00	31.70	121	345	PK
7	11060.0000	17.49	15.05	32.54	54.00	21.46	279	252	AV
8	16590.0000	21.19	23.82	45.01	68.20	23.19	167	182	PK
9	16590.0000	12.80	23.82	36.62	54.00	17.38	273	182	AV



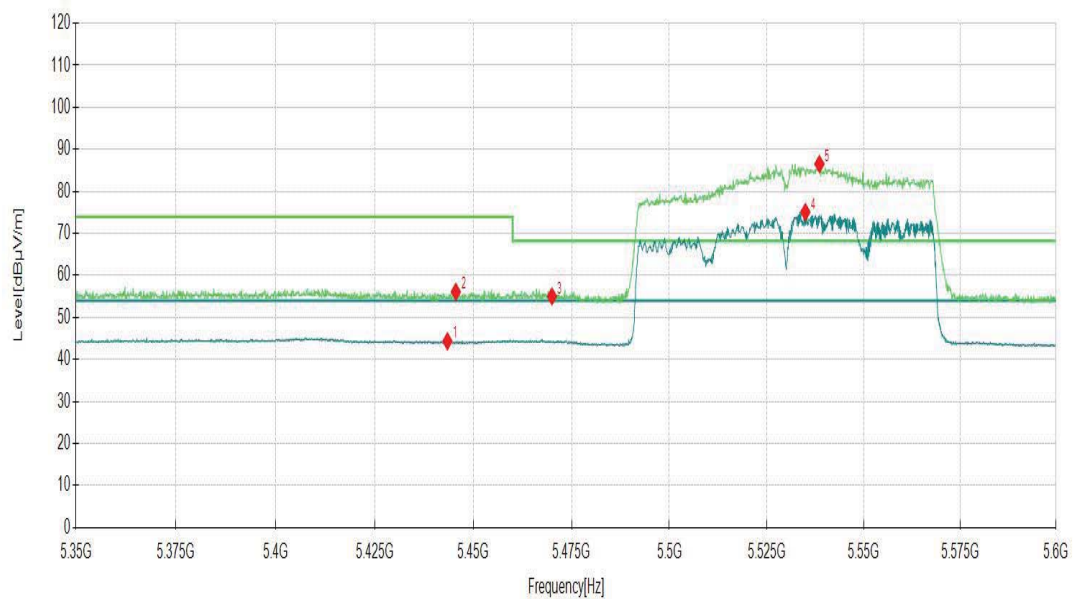
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH106	Frequency	5530 MHz
Frequency Range	Above 1G	Detector Function	PK/AV

Vertical

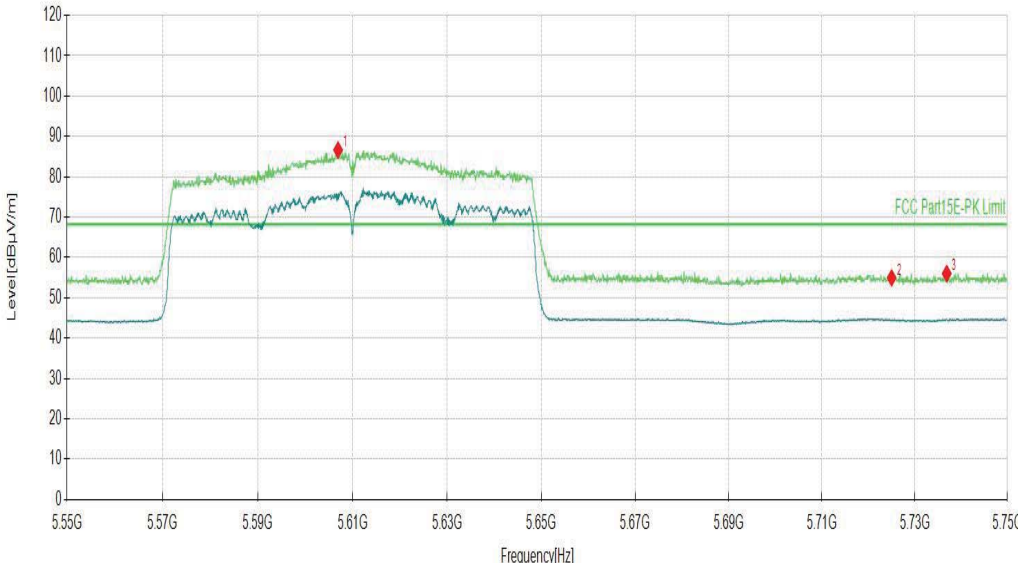
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5443.4217	34.62	9.72	44.34	54.00	9.66	218	210	AV
2	5445.5478	46.37	9.72	56.09	74.00	17.91	279	117	PK
3	5470.0000	45.08	9.94	55.02	68.20	13.18	273	289	PK
4	5534.9675	66.09	8.99	75.08			252	214	AV
5	5538.5943	77.45	9.06	86.51			129	214	PK
6	11060.0000	27.33	15.05	42.38	74.00	31.62	131	359	PK
7	11060.0000	17.64	15.05	32.69	54.00	21.31	211	78	AV
8	16590.0000	22.35	23.82	46.17	68.20	22.03	159	179	PK
9	16590.0000	12.86	23.82	36.68	54.00	17.32	188	193	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 CH122	Frequency	5610 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	5606.9285	77.66	8.98	86.64			147	34	PK
2	5725.0000	46.06	8.89	54.95	68.20	13.25	224	258	PK
3	5736.8934	47.15	8.86	56.01	68.20	12.19	187	356	PK
4	11220.0000	26.88	15.03	41.91	74.00	32.09	241	135	PK
5	11220.0000	17.86	15.03	32.89	54.00	21.11	284	239	AV
6	16830.0000	21.09	24.89	45.98	68.20	22.22	212	347	PK
7	16830.0000	12.13	24.89	37.02	54.00	16.98	236	78	AV



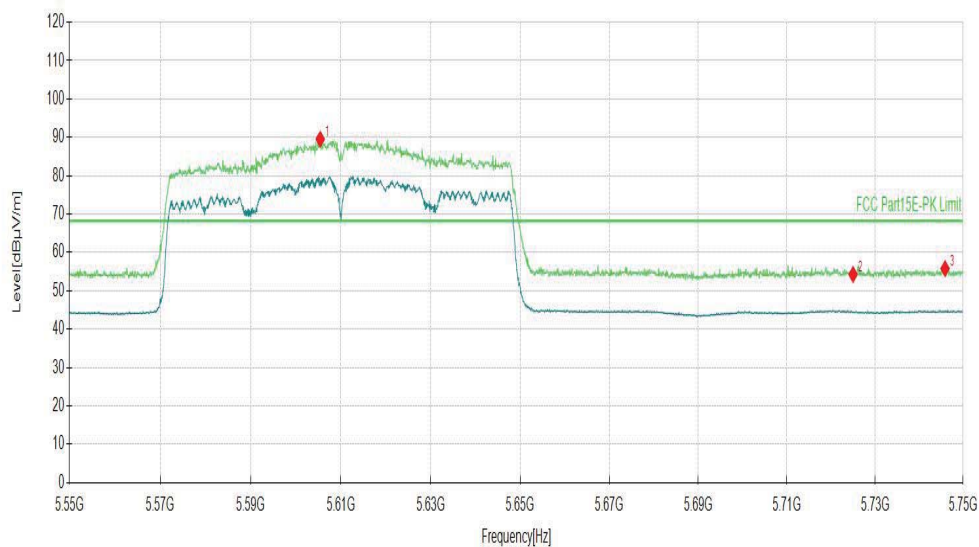
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 CH122	Frequency	5610 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	5605.4277	80.57	8.95	89.52			273	217	PK
2	5725.0000	45.39	8.89	54.28	68.20	13.92	123	278	PK
3	5745.8979	46.87	8.94	55.81	68.20	12.39	222	237	PK
4	11220.0000	27.55	15.03	42.58	74.00	31.42	263	230	PK
5	11220.0000	17.42	15.03	32.45	54.00	21.55	239	6	AV
6	16830.0000	20.55	24.89	45.44	68.20	22.76	130	128	PK
7	16830.0000	11.67	24.89	36.56	54.00	17.44	242	178	AV



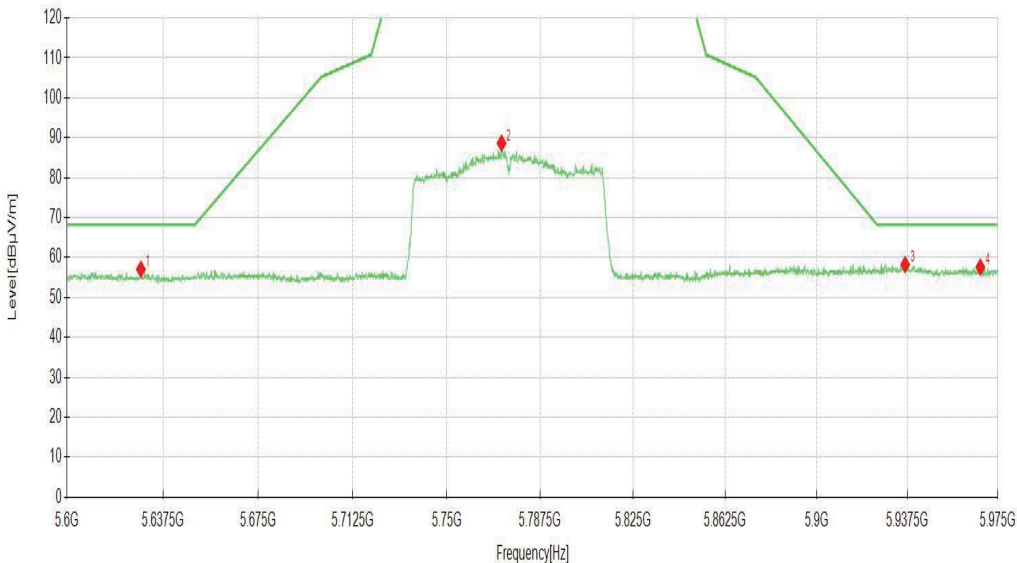
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



3.1.9 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	5628.8894	48.01	9.04	57.05	68.20	11.15	163	201	PK
2	5772.0235	79.91	8.74	88.65			141	28	PK
3	5936.5433	47.52	10.70	58.22	68.20	9.98	182	63	PK
4	5967.6838	47.54	10.05	57.59	68.20	10.61	183	285	PK
5	11490.0000	26.49	15.40	41.89	74.00	32.11	263	93	PK
6	11490.0000	19.98	15.40	35.38	54.00	18.62	279	251	AV
7	17235.0000	19.00	26.20	45.20	68.20	23.00	164	298	PK
8	17235.0000	12.01	26.20	38.21	54.00	15.79	163	93	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).

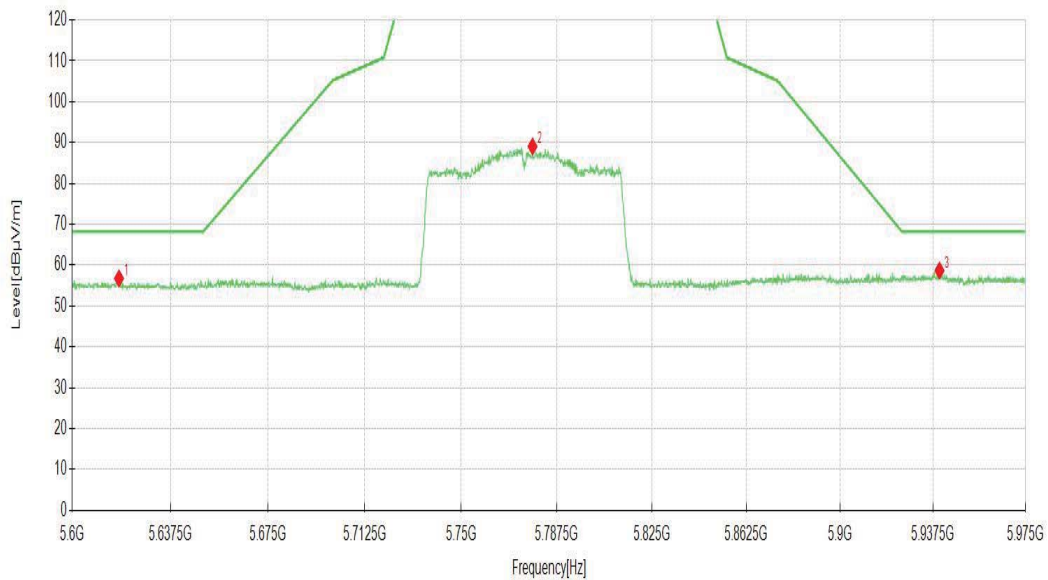
4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]



Channel	802.11a 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	5617.8214	47.75	9.00	56.75	68.20	11.45	296	256	PK
2	5778.0265	80.76	8.29	89.05			129	217	PK
3	5940.1076	47.88	10.80	58.68	68.20	9.52	297	225	PK
4	11490.0000	26.70	15.40	42.10	74.00	31.90	184	108	PK
5	11490.0000	19.65	15.40	35.05	54.00	18.95	190	108	AV
6	17235.0000	21.17	26.20	47.37	68.20	20.83	228	341	PK
7	17235.0000	12.02	26.20	38.22	54.00	15.78	183	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]



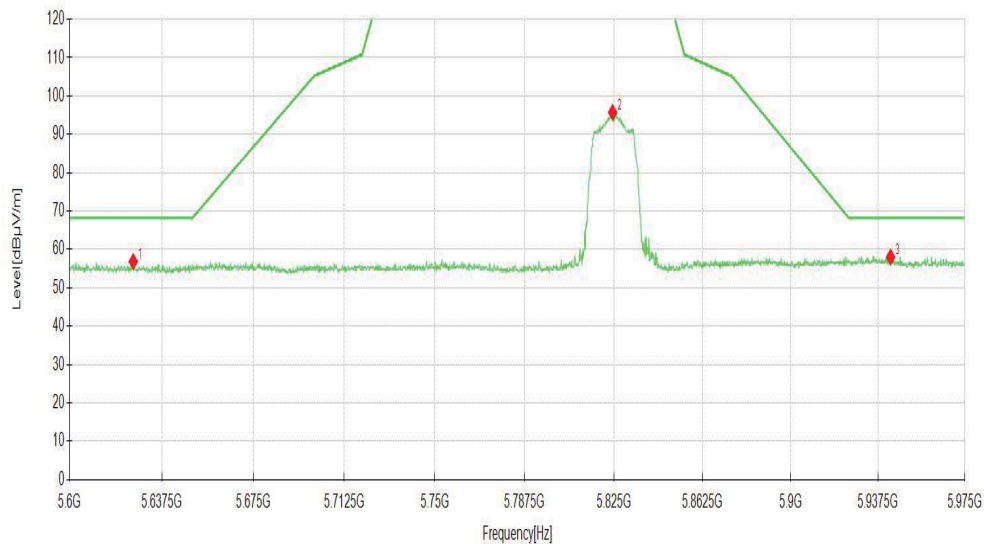
Channel		802.11a CH 157			Frequency		5785MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	11570.0000	25.13	15.34	40.47	74.00	33.53	190	360	PK
2	11570.0000	18.06	15.34	33.40	54.00	20.60	150	359	AV
3	17355.0000	19.51	26.30	45.81	68.20	22.39	137	49	PK
4	17355.0000	12.19	26.30	38.49	54.00	15.51	196	315	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	25.94	15.34	41.28	74.00	32.72	207	296	PK
2	11570.0000	19.17	15.34	34.51	54.00	19.49	285	280	AV
3	17355.0000	20.04	26.30	46.34	68.20	21.86	302	260	PK
4	17355.0000	12.51	26.30	38.81	54.00	15.19	269	345	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	5625.8879	47.81	9.02	56.83	68.20	11.37	215	265	PK
2	5824.5498	86.92	8.80	95.72			121	22	PK
3	5942.9215	47.51	10.49	58.00	68.20	10.20	182	259	PK
4	11650.0000	27.47	15.21	42.68	74.00	31.32	303	197	PK
5	11650.0000	18.71	15.21	33.92	54.00	20.08	158	197	AV
6	17475.0000	19.83	26.05	45.88	68.20	22.32	184	220	PK
7	17475.0000	12.11	26.05	38.16	54.00	15.84	135	119	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	5625.5128	47.70	9.02	56.72	68.20	11.48	214	188	PK
2	5826.2381	86.78	8.78	95.56			154	217	PK
3	5938.7944	47.82	10.77	58.59	68.20	9.61	178	295	PK
4	11650.0000	27.10	15.21	42.31	74.00	31.69	268	1	PK
5	11650.0000	19.21	15.21	34.42	54.00	19.58	130	190	AV
6	17475.0000	19.62	26.05	45.67	68.20	22.53	251	180	PK
7	17475.0000	12.18	26.05	38.23	54.00	15.77	289	65	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).

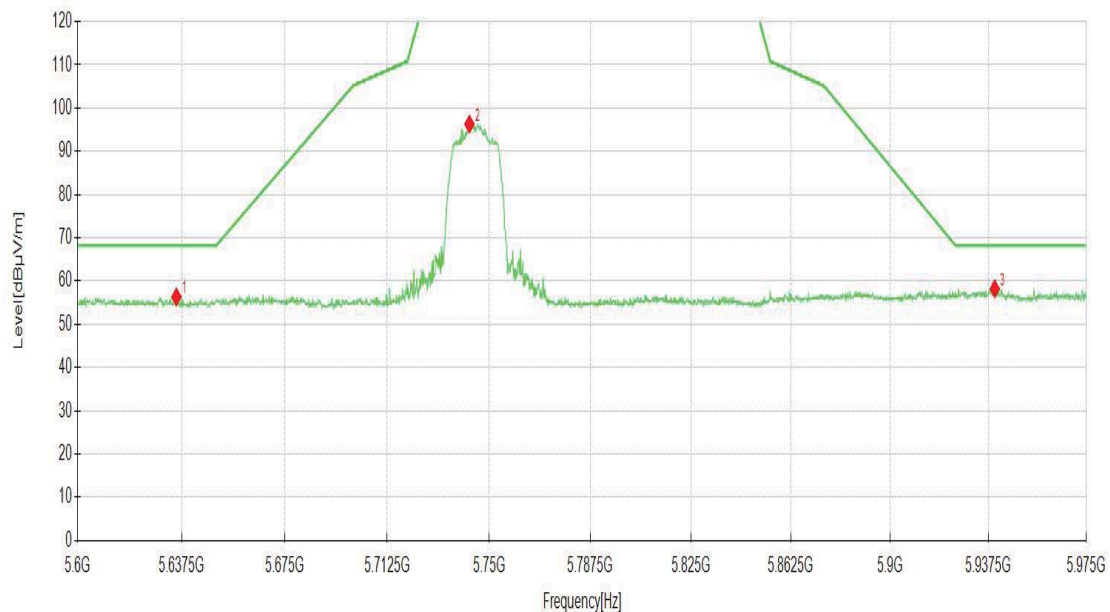
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5635.6428	47.62	8.70	56.32	68.20	11.88	202	163	PK
2	5744.7589	87.36	8.94	96.30			181	27	PK
3	5939.9200	47.39	10.81	58.20	68.20	10.00	163	103	PK
4	11490.0000	24.98	15.04	40.02	74.00	33.98	296	343	PK
5	11490.0000	19.97	15.40	35.37	54.00	18.63	201	47	AV
6	17235.0000	21.04	25.53	46.57	68.20	21.63	134	118	PK
7	17235.0000	12.94	25.53	38.47	54.00	15.53	197	98	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).

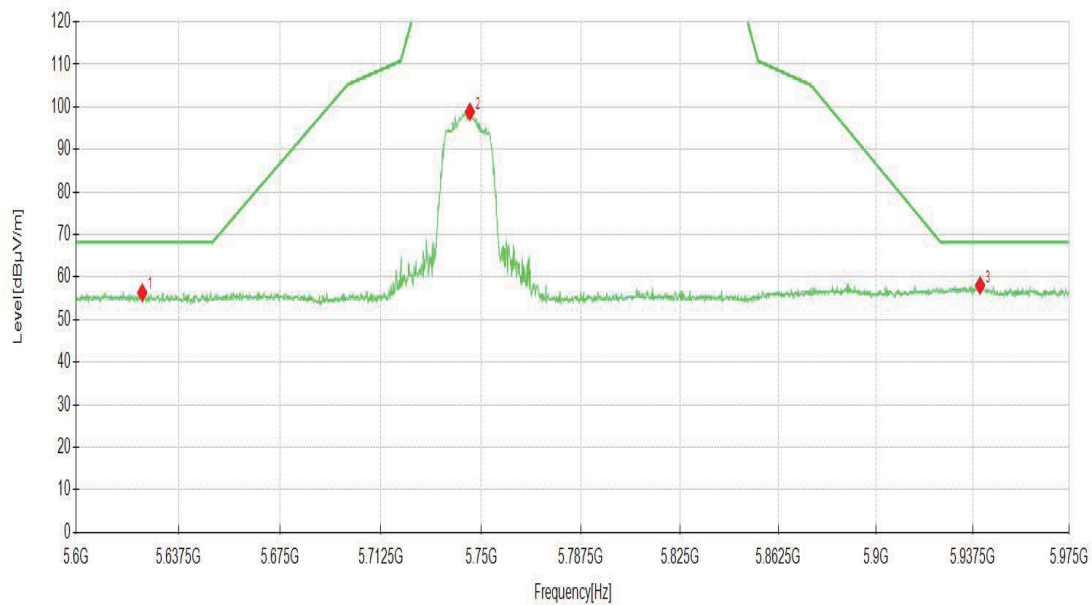
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5624.1996	47.32	9.01	56.33	68.20	11.87	217	178	PK
2	5745.7604	89.90	8.94	98.84			263	216	PK
3	5940.2951	47.26	10.78	58.04	68.20	10.16	185	13	PK
4	11490.0000	25.95	15.04	40.99	74.00	33.01	113	7	PK
5	11490.0000	18.86	15.04	33.90	54.00	20.10	273	7	AV
6	17235.0000	20.42	25.53	45.95	68.20	22.25	227	297	PK
7	17235.0000	13.79	25.53	39.32	54.00	14.68	254	78	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	25.13	15.34	40.47	74.00	33.53	207	360	PK
2	11570.0000	18.06	15.34	33.40	54.00	20.60	136	359	AV
3	17355.0000	19.51	26.30	45.81	68.20	22.39	253	49	PK
4	17355.0000	12.19	26.30	38.49	54.00	15.51	133	315	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	25.94	15.34	41.28	74.00	32.72	165	296	PK
2	11570.0000	19.17	15.34	34.51	54.00	19.49	212	280	AV
3	17355.0000	20.04	26.30	46.34	68.20	21.86	253	260	PK
4	17355.0000	12.51	26.30	38.81	54.00	15.19	206	345	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	5625.8879	47.81	9.02	56.83	68.20	11.37	307	265	PK
2	5824.5498	86.92	8.80	95.72			175	22	PK
3	5942.9215	47.51	10.49	58.00	68.20	10.20	181	259	PK
4	11650.0000	27.47	15.21	42.68	74.00	31.32	170	197	PK
5	11650.0000	18.71	15.21	33.92	54.00	20.08	189	197	AV
6	17475.0000	19.83	26.05	45.88	68.20	22.32	236	220	PK
7	17475.0000	12.11	26.05	38.16	54.00	15.84	140	119	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			
Vertical									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5625.5128	47.70	9.02	56.72	68.20	11.48	136	188	PK
2	5826.2381	86.78	8.78	95.56			123	217	PK
3	5938.7944	47.82	10.77	58.59	68.20	9.61	208	295	PK
4	11650.0000	27.10	15.21	42.31	74.00	31.69	252	1	PK
5	11650.0000	19.21	15.21	34.42	54.00	19.58	282	190	AV
6	17475.0000	19.62	26.05	45.67	68.20	22.53	175	180	PK
7	17475.0000	12.18	26.05	38.23	54.00	15.77	183	65	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).

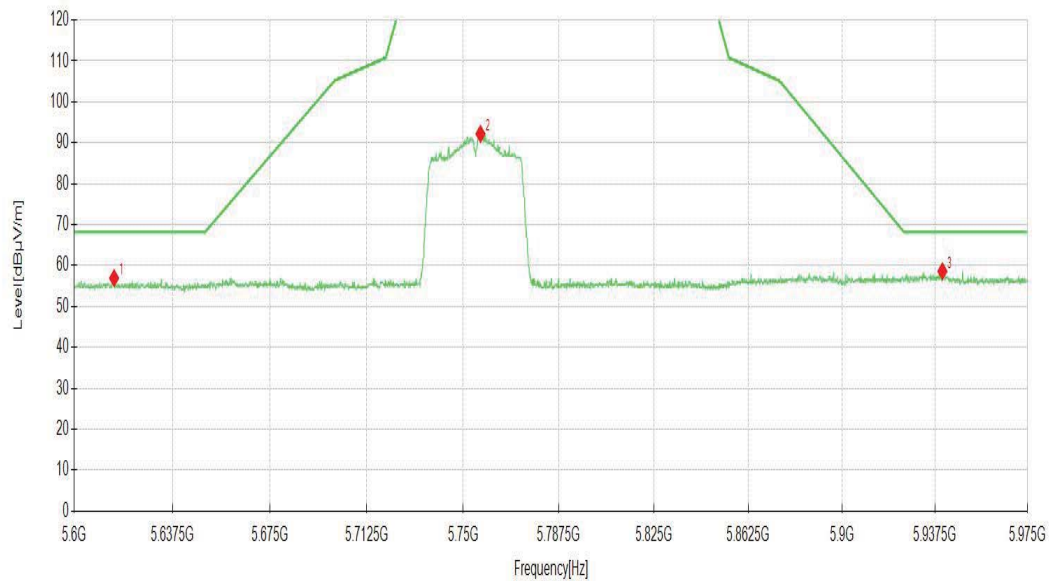
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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	5615.1951	47.92	9.01	56.93	68.20	11.27	156	221	PK
2	5756.8284	82.96	9.22	92.18			203	28	PK
3	5940.4827	47.85	10.76	58.61	68.20	9.59	147	127	PK
4	11510.0000	24.75	15.12	39.87	74.00	34.13	181	325	PK
5	11510.0000	17.97	15.12	33.09	54.00	20.91	210	117	AV
6	17265.0000	19.75	25.62	45.37	68.20	22.83	280	66	PK
7	17265.0000	12.73	25.62	38.35	54.00	15.65	188	120	AV



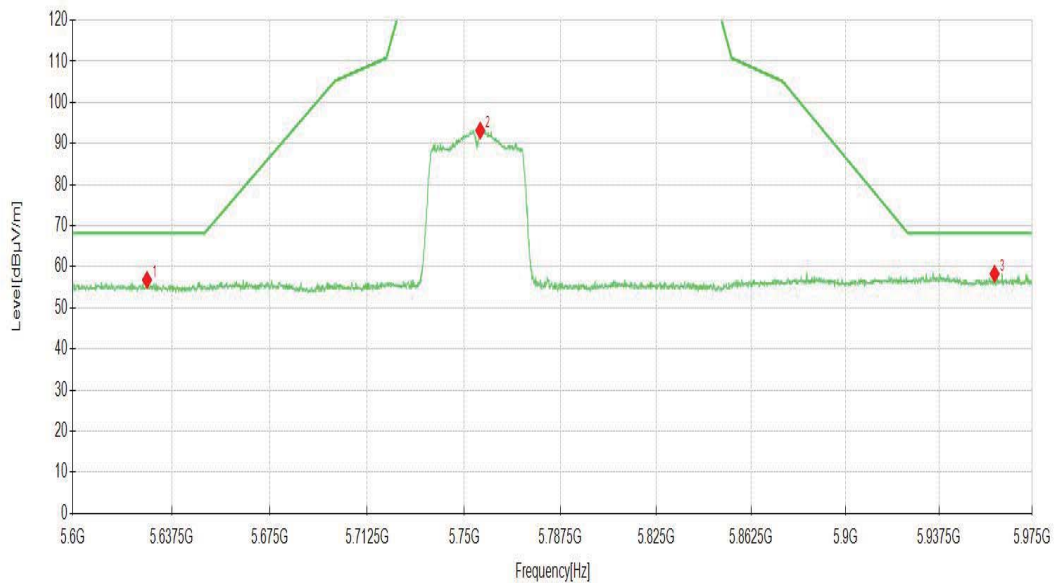
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



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

Vertical

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	5628.1391	47.76	9.04	56.80	68.20	11.40	296	150	PK
2	5756.2656	83.96	9.20	93.16			156	216	PK
3	5959.8049	48.18	10.12	58.30	68.20	9.90	159	182	PK
4	11510.0000	25.00	15.12	40.12	74.00	33.88	111	190	PK
5	11510.0000	18.96	15.12	34.08	54.00	19.92	129	20	AV
6	17265.0000	21.05	25.62	46.67	68.20	21.53	292	17	PK
7	17265.0000	11.93	25.62	37.55	54.00	16.45	131	17	AV



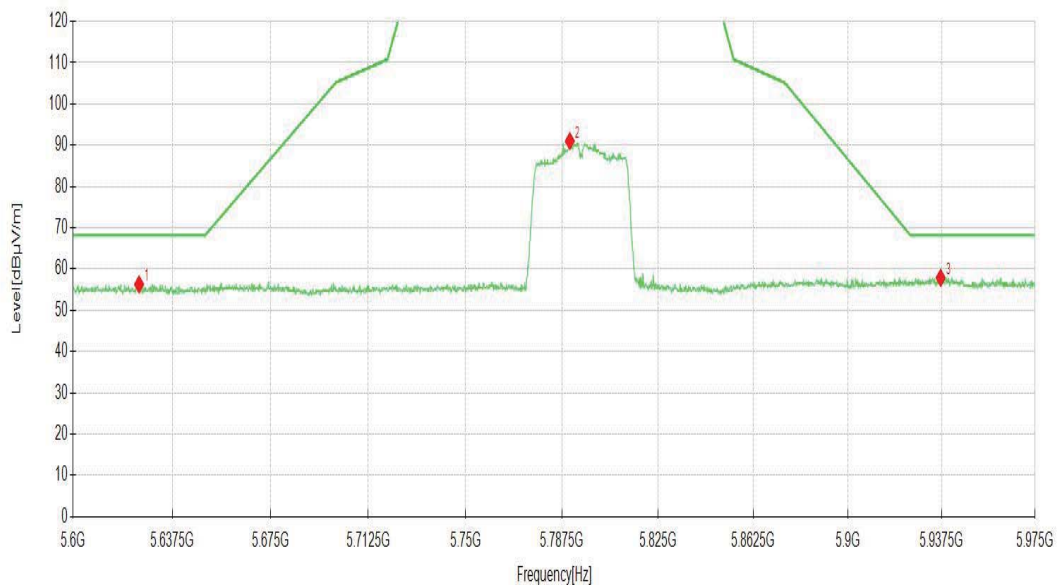
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11n40 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	5624.9500	47.27	9.02	56.29	68.20	11.91	139	160	PK
2	5790.5953	82.39	8.61	91.00			241	27	PK
3	5937.1061	47.16	10.72	57.88	68.20	10.32	293	241	PK
4	11590.0000	25.45	15.17	40.62	74.00	33.38	233	305	PK
5	11590.0000	19.29	15.17	34.46	54.00	19.54	244	1	AV
6	17385.0000	20.43	26.14	46.57	68.20	21.63	292	76	PK
7	17385.0000	12.87	26.14	39.01	54.00	14.99	180	99	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	5630.3902	46.89	9.03	55.92	68.20	12.28	198	314	PK
2	5796.2231	84.23	8.60	92.83			191	218	PK
3	5940.4827	47.58	10.76	58.34	68.20	9.86	294	15	PK
4	11590.0000	19.26	15.17	34.43	54.00	19.57	141	3	AV
5	11590.0000	26.44	15.17	41.61	74.00	32.39	227	239	PK
6	17385.0000	12.58	26.14	38.72	54.00	15.28	168	347	AV
7	17385.0000	20.96	26.14	47.10	68.20	21.10	130	173	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).

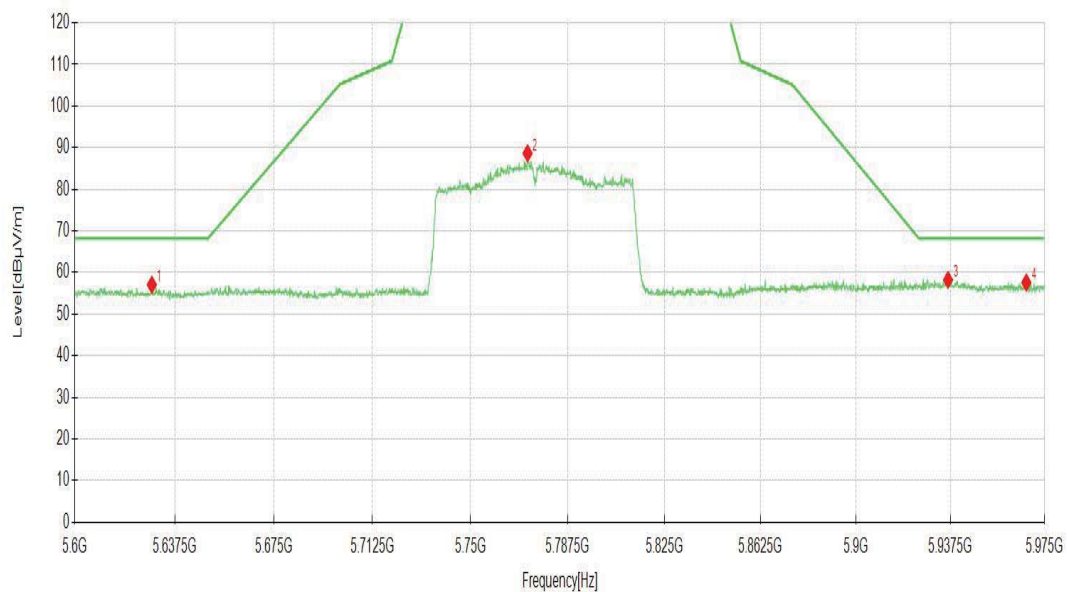
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 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	5628.8894	48.01	9.04	57.05	68.20	11.15	115	201	PK
2	5772.0235	79.91	8.74	88.65			144	28	PK
3	5936.5433	47.52	10.70	58.22	68.20	9.98	117	63	PK
4	5967.6838	47.54	10.05	57.59	68.20	10.61	155	285	PK
5	11550.0000	26.49	15.40	41.89	74.00	32.11	134	93	PK
6	11550.0000	19.98	15.40	35.38	54.00	18.62	191	251	AV
7	17325.0000	19.00	26.20	45.20	68.20	23.00	125	298	PK
8	17325.0000	12.01	26.20	38.21	54.00	15.79	232	93	AV



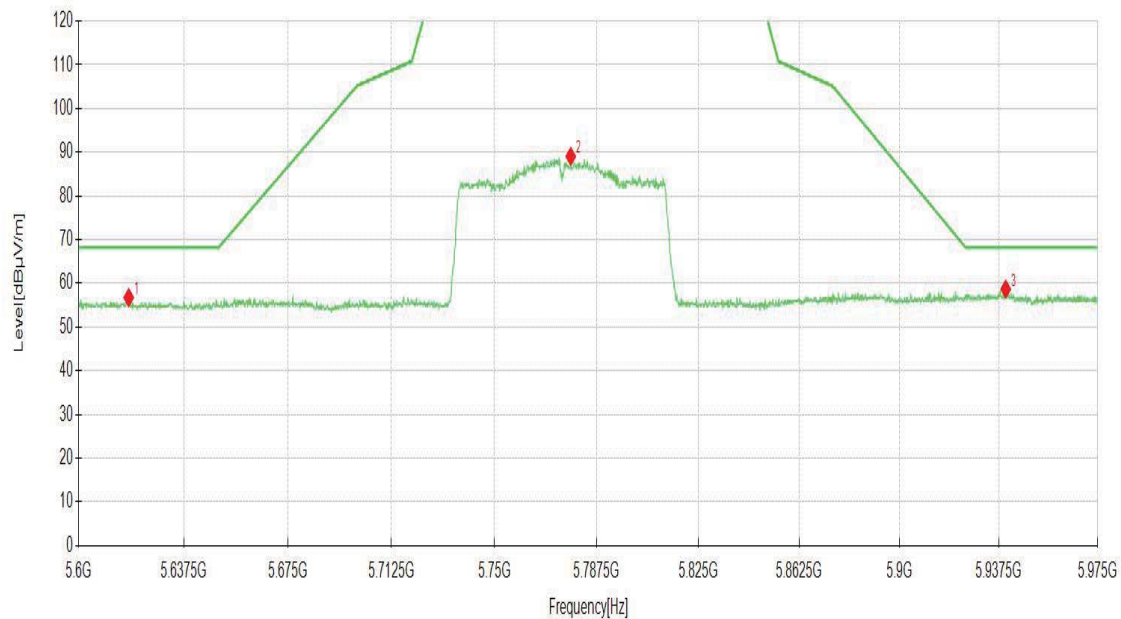
Remark: 1. The emission levels of other frequencies were greater than 20dB margin.
2. Level (dBμV/m) = Reading (dBμV/m) + Factor (dB).
3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]



Channel	802.11ac80 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	5617.8214	47.75	9.00	56.75	68.20	11.45	249	256	PK
2	5778.0265	80.76	8.29	89.05			128	217	PK
3	5940.1076	47.88	10.80	58.68	68.20	9.52	115	225	PK
4	11510.0000	26.70	15.40	42.10	74.00	31.90	166	108	PK
5	11550.0000	19.65	15.40	35.05	54.00	18.95	149	108	AV
6	17265.0000	21.17	26.20	47.37	68.20	20.83	238	341	PK
7	17325.0000	12.02	26.20	38.22	54.00	15.78	242	209	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]

3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 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

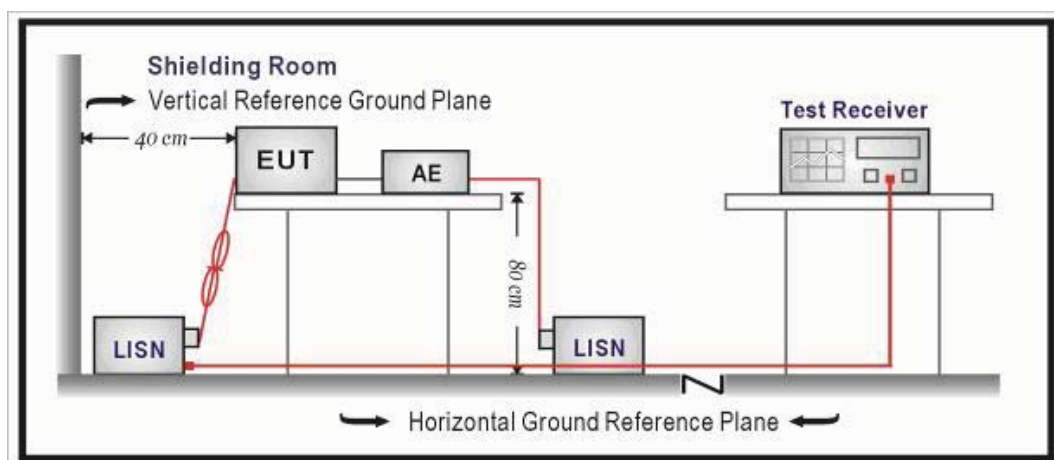
- NOTE:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.2.2 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.

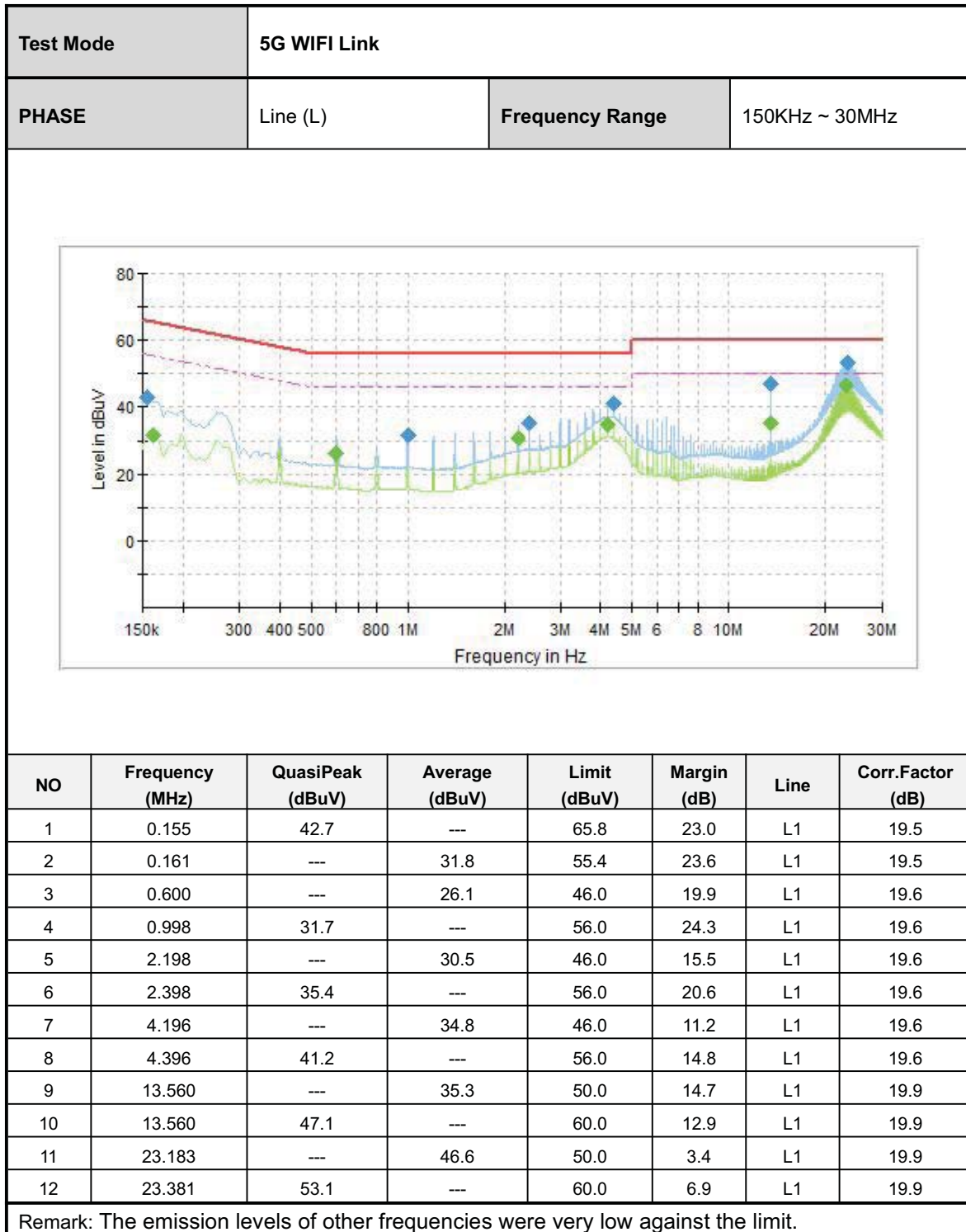
3.2.3 TEST SETUP

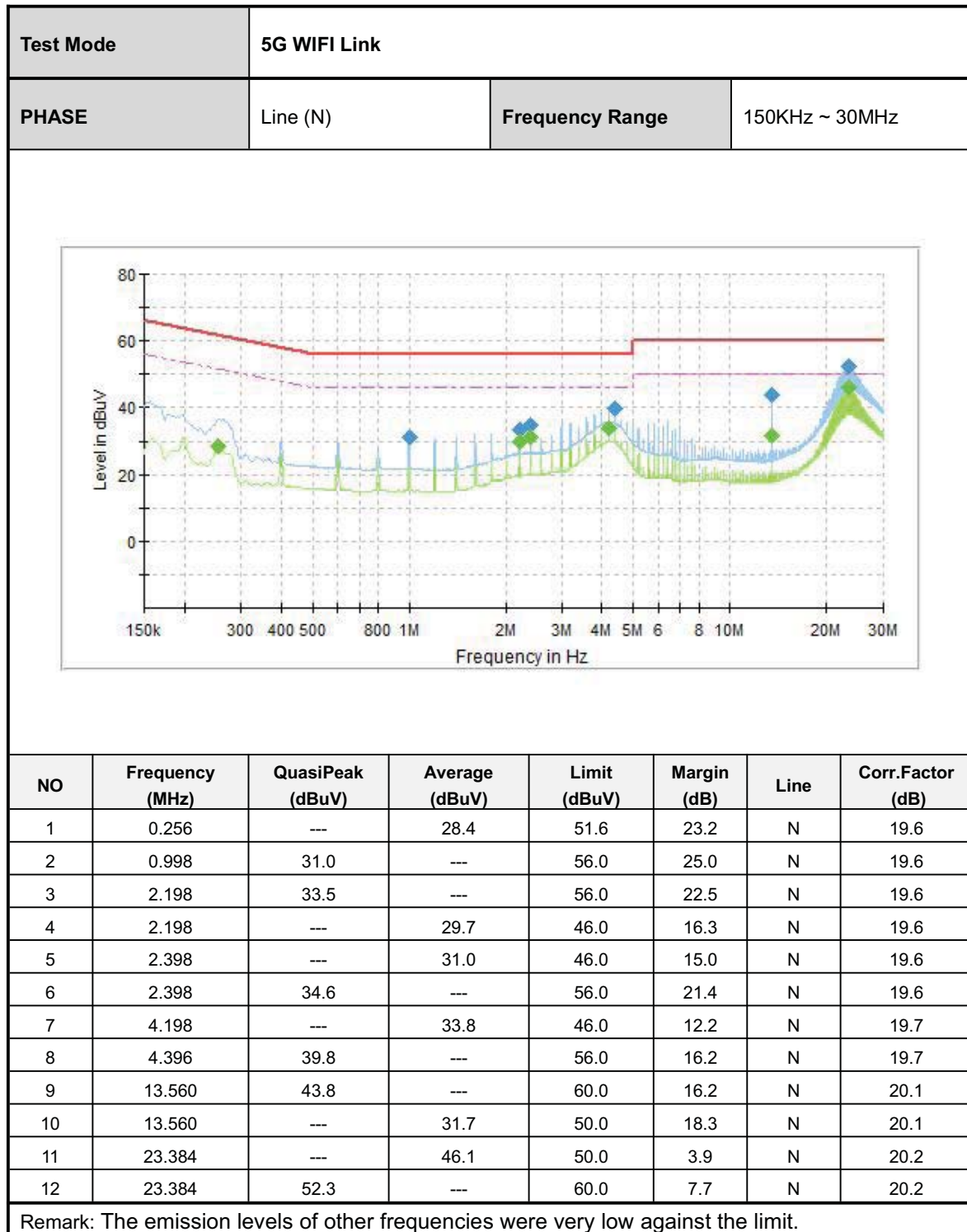


NOTE: For the actual test configuration, please refer to the attached file (Test Setup Photo).



3.2.4 TEST RESULTS







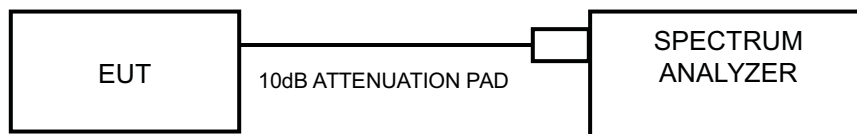
3.3 OCCUPIED BANDWIDTH MEASUREMENT

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



3.3.3 TEST RESULTS

Please refer Annex C.



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

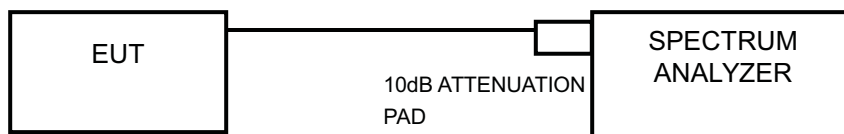
3.4.2 TEST PROCEDURES

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



3.4.4 TEST RESULTS

Refer to Appendix A



3.5 6DB EMISSION BANDWIDTH

3.5.1 LIMITS OF 6DB EMISSION BANDWIDTH

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

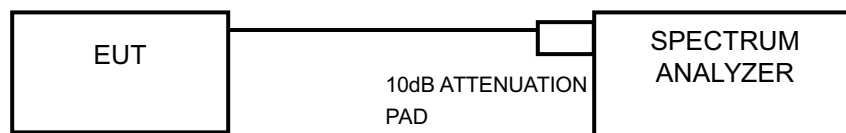
3.5.2 TEST PROCEDURES

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



3.5.4 TEST RESULTS

Refer to Appendix B



3.6 TRANSMIT POWER MEASUREMENT

3.6.1 LIMITS OF TRANSMIT POWER MEASUREMENT

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)

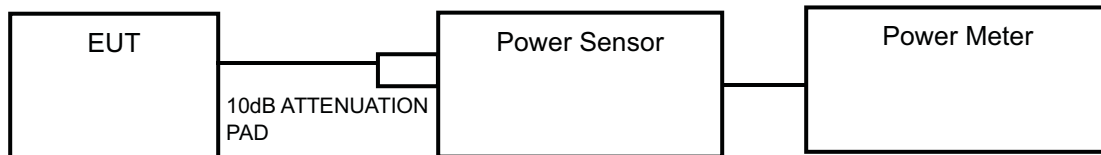
NOTE: 1. Where B is the 26dB emission bandwidth in MHz.

3.6.2 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.

3.6.3 TEST SETUP



3.6.4 TEST RESULTS

Refer to Appendix D



3.7 POWER SPECTRAL DENSITY MEASUREMENT

3.7.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

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 TEST PROCEDURE

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-2

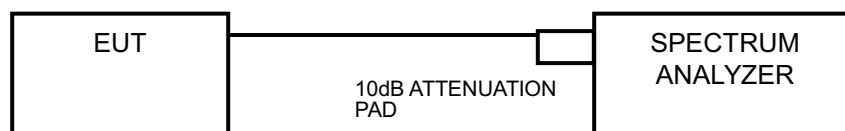
- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW =3 MHz, Detector = AV
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to “free run”.
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max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

3.7.3 TEST SETUP



3.7.4 TEST RESULT

Refer to Appendix E

3.8 FREQUENCY STABILITY

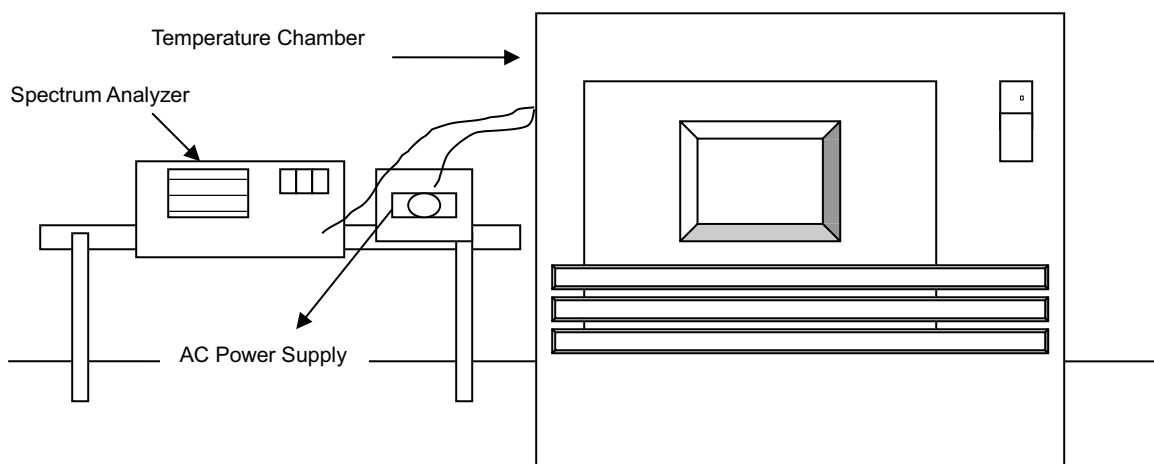
3.8.1 LIMITS OF FREQUENCY STABILITY

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

3.8.2 TEST PROCEDURES

- The EUT was placed inside 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 to stabilize, turn the EUT on and measure the operating frequency 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 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

3.8.3 TEST SETUP



3.8.4 TEST RESULTS

Refer to Appendix F



4 PHOTOGRAPHS OF TEST SETUP

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



5 Appendix

5.1 Appendix A: 26DB EMISSION BANDWIDTH

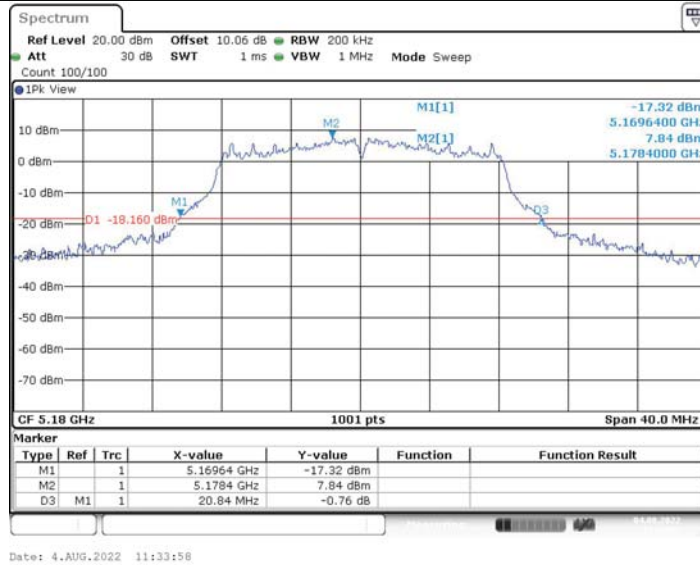
5.1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.84	5169.64	5190.48	---	---
		5200	20.88	5189.60	5210.48	---	---
		5240	20.96	5229.52	5250.48	---	---
		5260	21.00	5249.56	5270.56	---	---
		5280	21.84	5269.60	5291.44	---	---
		5320	20.92	5309.64	5330.56	---	---
		5500	21.20	5489.60	5510.80	---	---
		5580	21.04	5569.56	5590.60	---	---
		5620	21.04	5609.60	5630.64	---	---
		5660	20.88	5649.64	5670.52	---	---
		5700	20.80	5689.64	5710.44	---	---
		5745	20.92	5734.64	5755.56	---	---
		5785	21.00	5774.56	5795.56	---	---
		5825	21.24	5814.56	5835.80	---	---
11N20SISO	Ant1	5180	21.92	5169.04	5190.96	---	---
		5200	21.68	5189.44	5211.12	---	---
		5240	21.36	5229.44	5250.80	---	---
		5260	21.44	5249.36	5270.80	---	---
		5280	22.28	5269.40	5291.68	---	---
		5320	21.36	5309.48	5330.84	---	---
		5500	21.60	5489.44	5511.04	---	---
		5580	22.44	5569.28	5591.72	---	---
		5620	24.84	5609.00	5633.84	---	---
		5660	21.52	5649.40	5670.92	---	---
		5700	21.36	5689.44	5710.80	---	---
		5745	22.08	5733.76	5755.84	---	---
		5785	22.24	5774.16	5796.40	---	---
		5825	22.80	5814.16	5836.96	---	---
11N40SISO	Ant1	5190	40.08	5170.08	5210.16	---	---
		5230	40.00	5210.16	5250.16	---	---
		5270	40.00	5250.16	5290.16	---	---
		5310	41.28	5290.16	5331.44	---	---
		5510	39.84	5490.16	5530.00	---	---
		5550	40.40	5530.32	5570.72	---	---
		5630	48.88	5610.08	5658.96	---	---
		5670	48.24	5650.08	5698.32	---	---
		5755	48.16	5735.16	5783.32	---	---
		5795	41.04	5775.24	5816.28	---	---
11AC80SISO	Ant1	5210	80.64	5170.00	5250.64	---	---
		5290	80.48	5250.16	5330.64	---	---
		5530	80.80	5490.00	5570.80	---	---
		5610	80.64	5570.16	5650.80	---	---
		5775	80.64	5735.00	5815.64	---	---

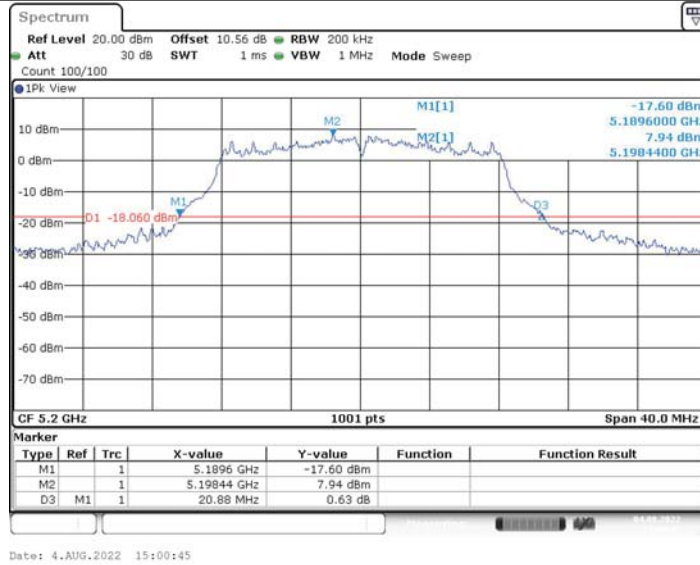


5.1.2 Test Graphs

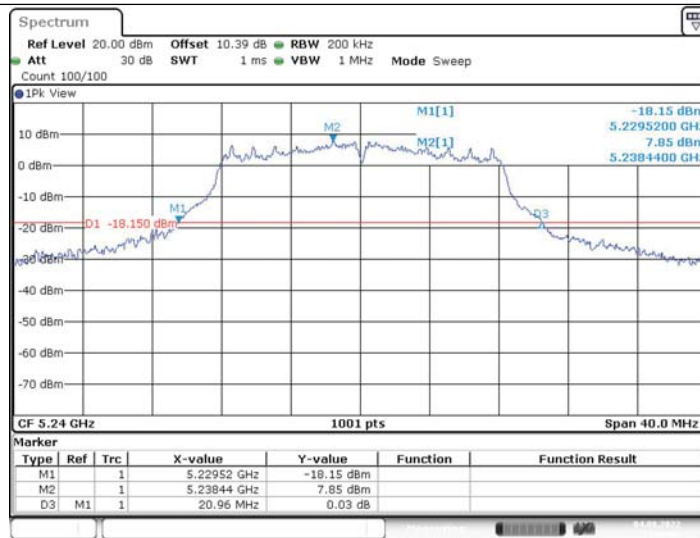
11A_Ant1_5180



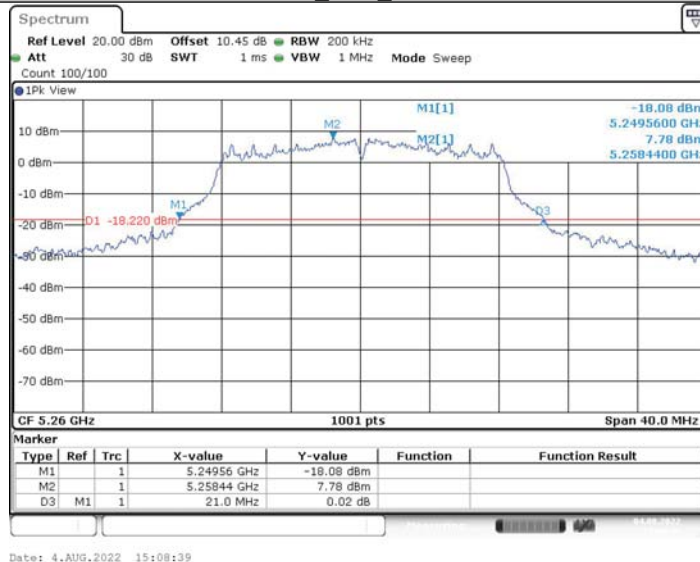
11A_Ant1_5200



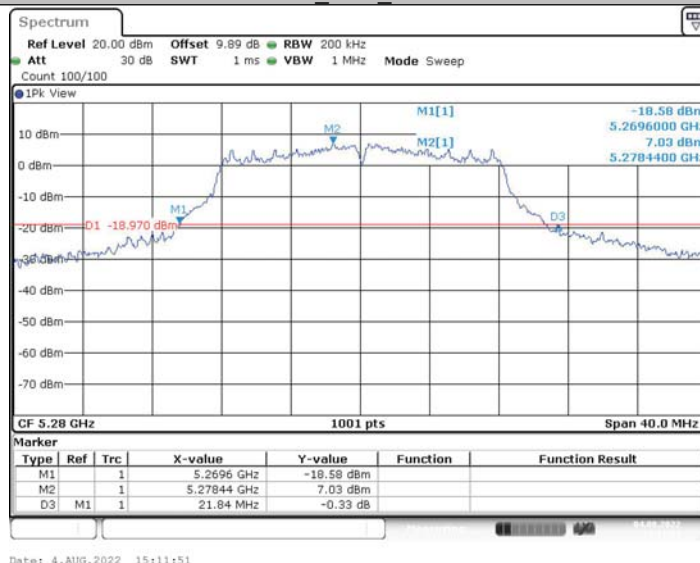
11A_Ant1_5240



11A Ant1_5260

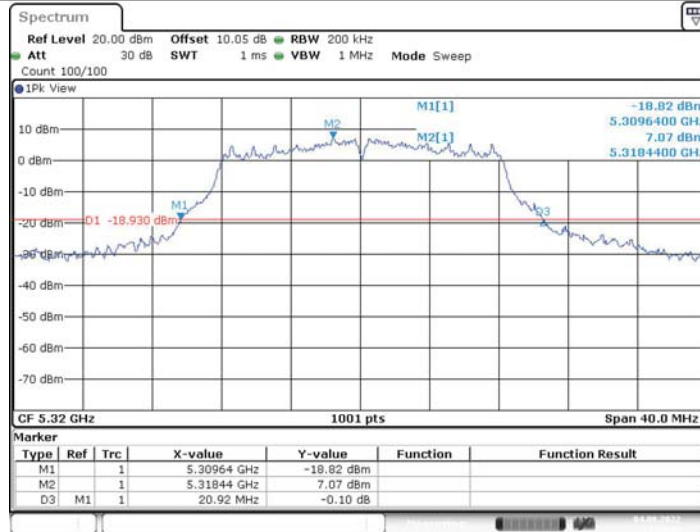


11A Ant1_5280



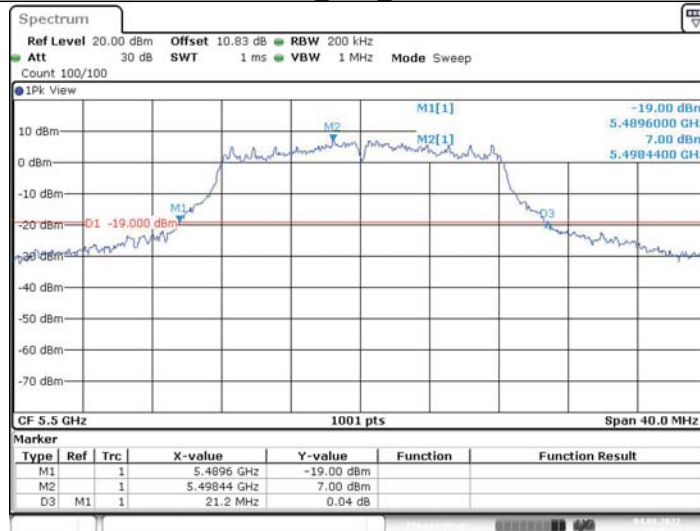


11A_Ant1_5320



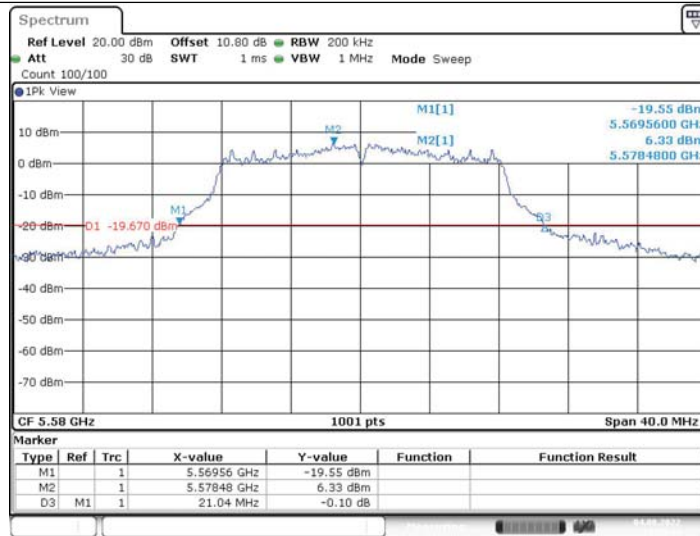
Date: 4.AUG.2022 15:14:43

11A_Ant1_5500

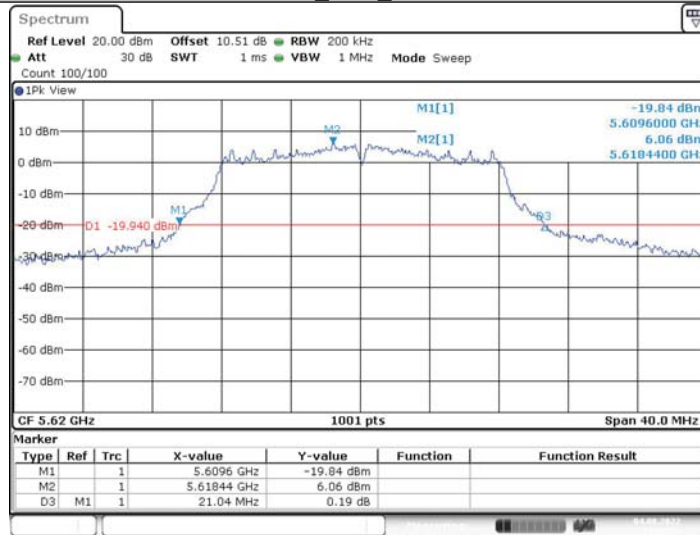


Date: 4.AUG.2022 15:16:59

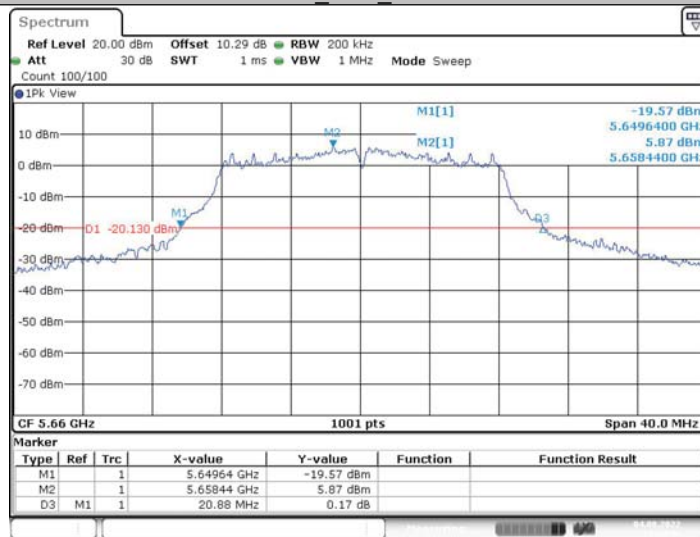
11A_Ant1_5580



11A Ant1_5620

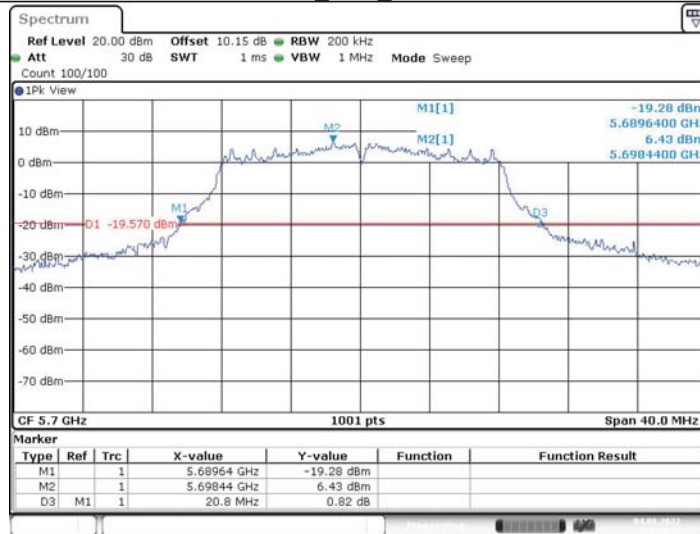


11A Ant1_5660





11A_Ant1_5700



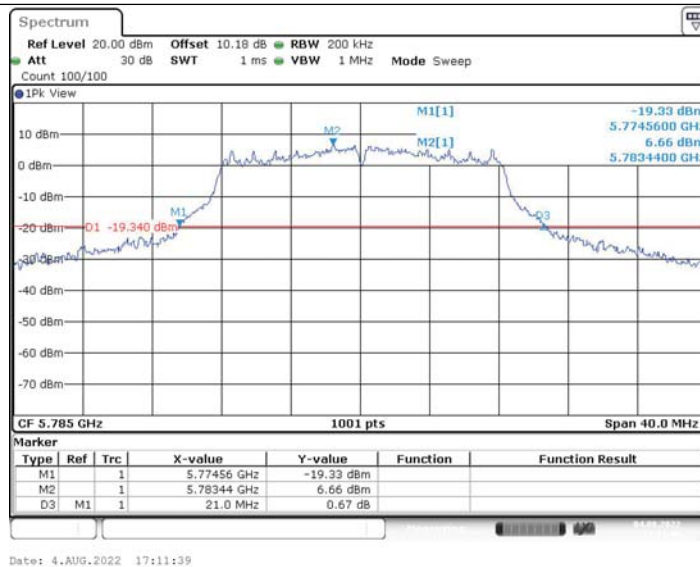
Date: 4.AUG.2022 15:29:17

11A_Ant1_5745

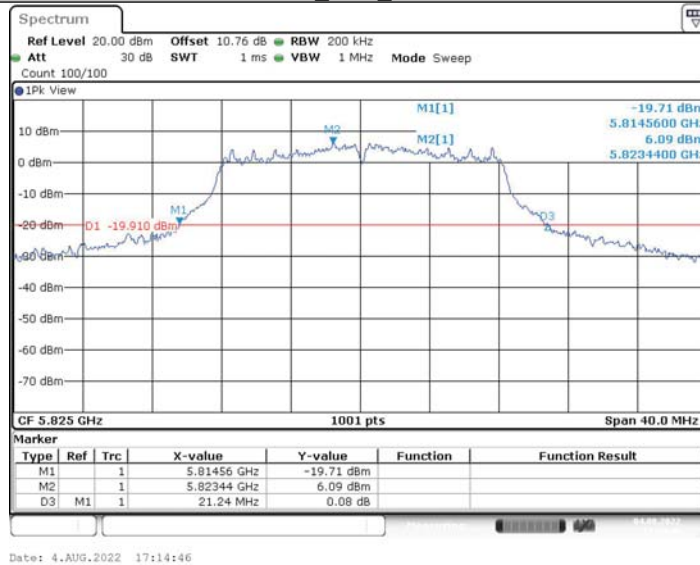


Date: 4.AUG.2022 17:09:04

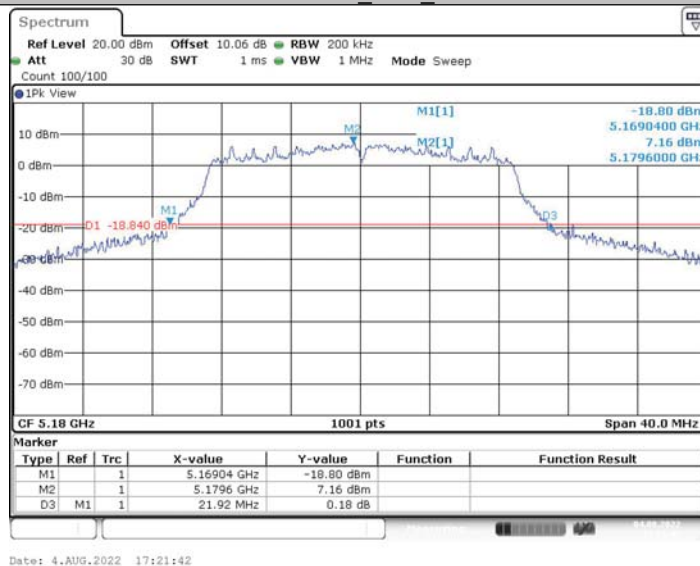
11A_Ant1_5785



11A_Ant1_5825

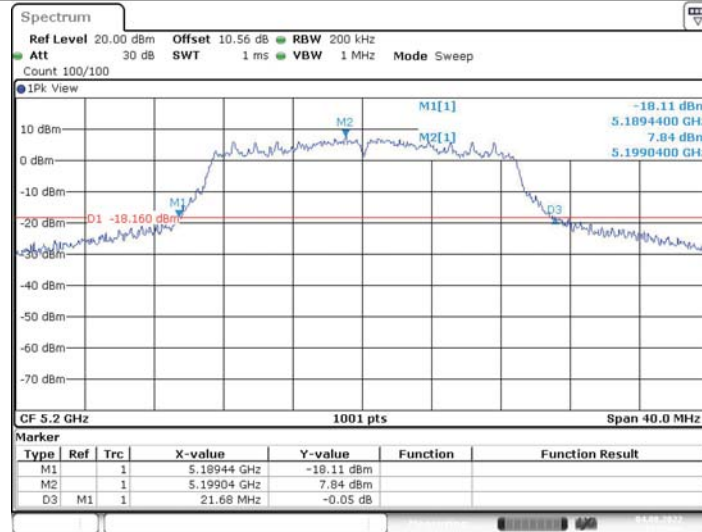


11N20SISO_Ant1_5180



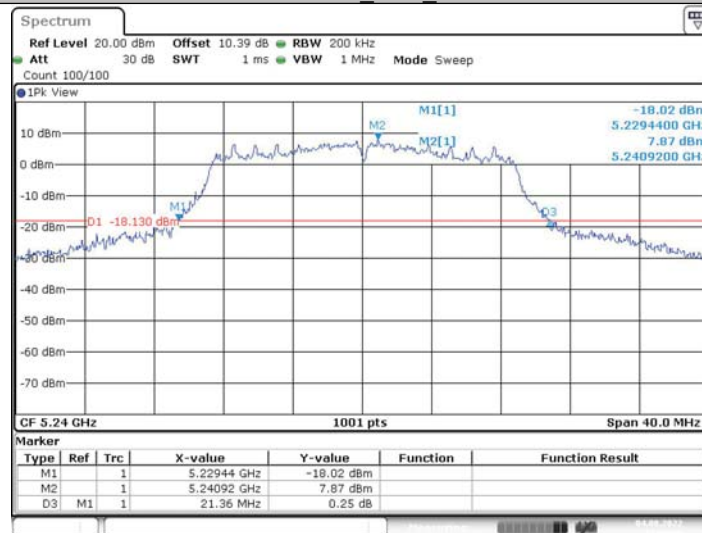


11N20SISO_Ant1_5200



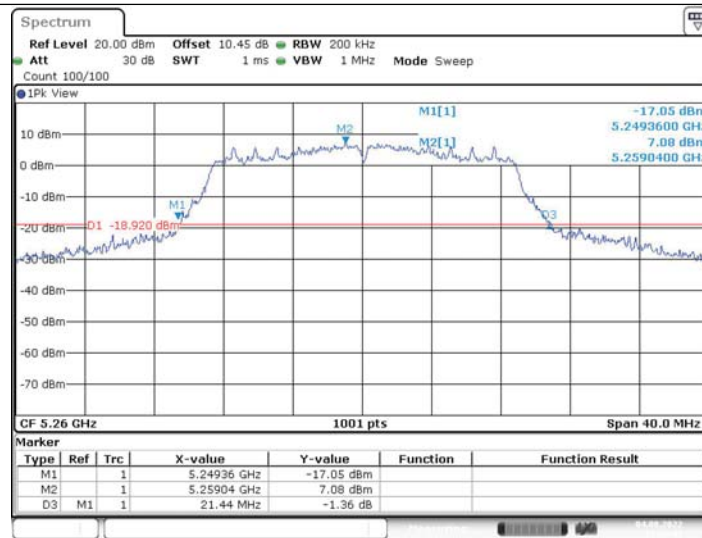
Date: 4.AUG.2022 17:25:59

11N20SISO_Ant1_5240



Date: 4.AUG.2022 17:30:08

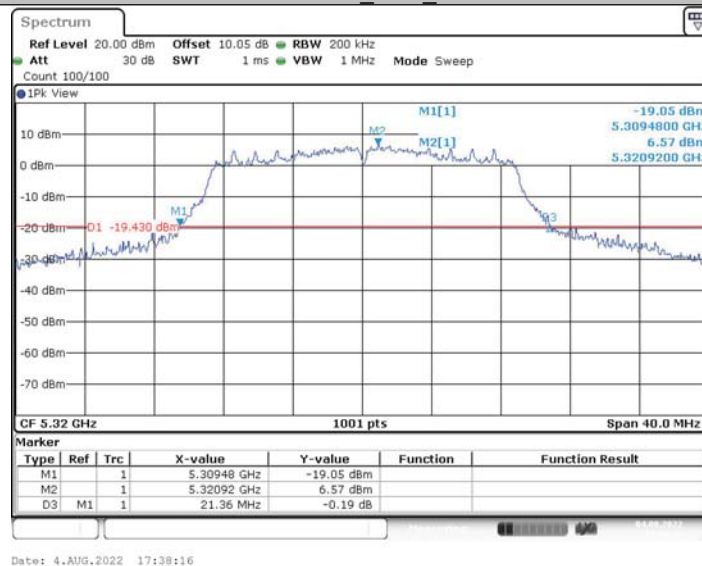
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280

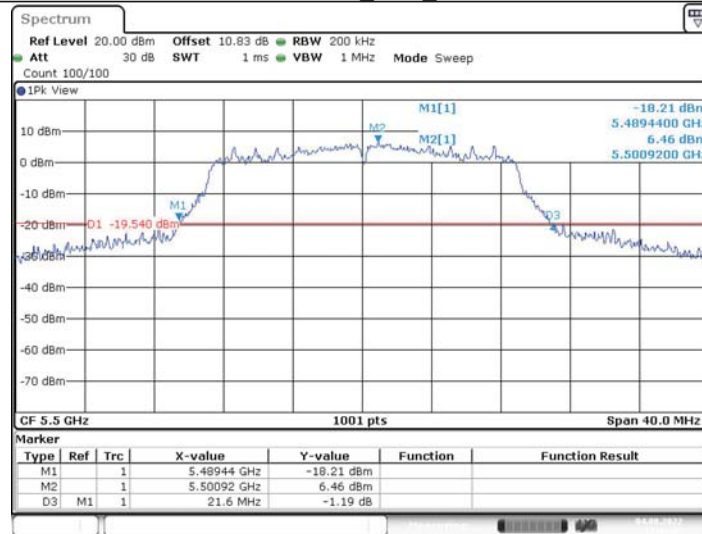


11N20SISO_Ant1_5320



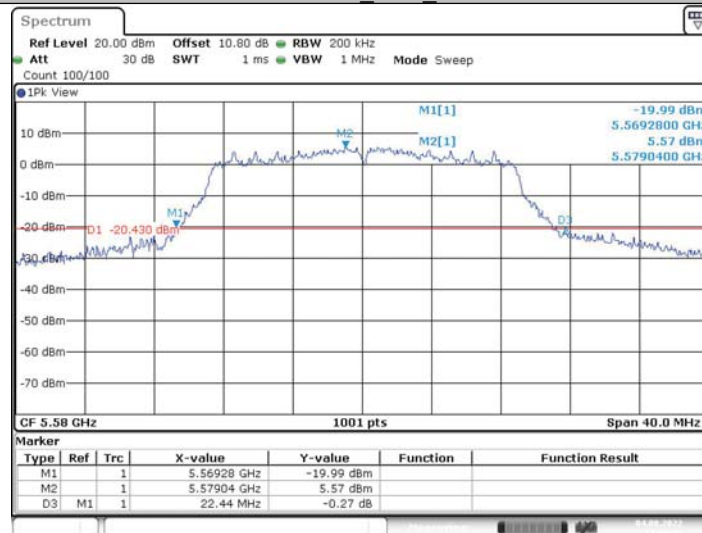


11N20SISO_Ant1_5500



Date: 4.AUG.2022 17:41:37

11N20SISO_Ant1_5580

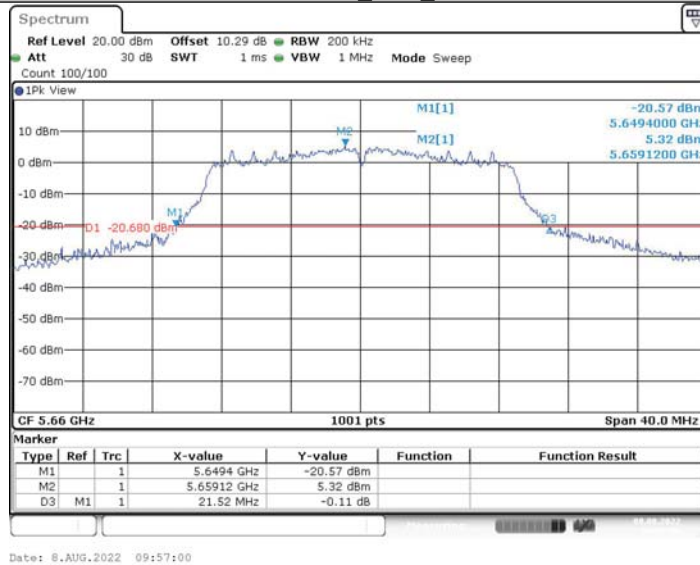


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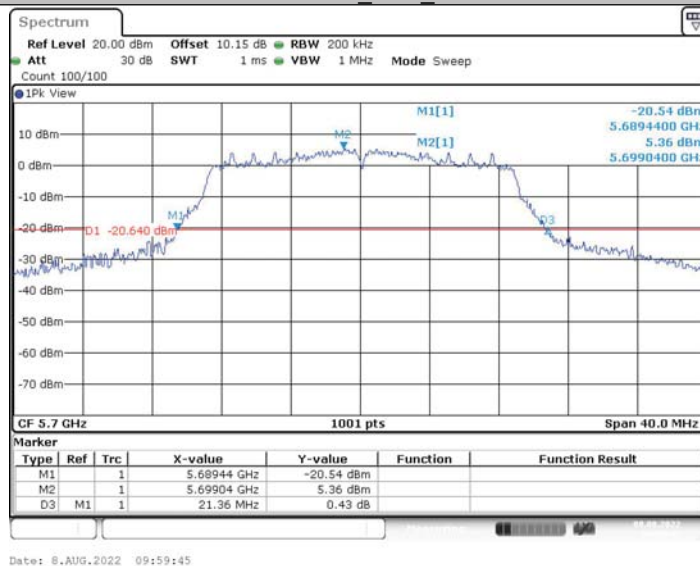
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11N20SISO_Ant1_5660



11N20SISO_Ant1_5700

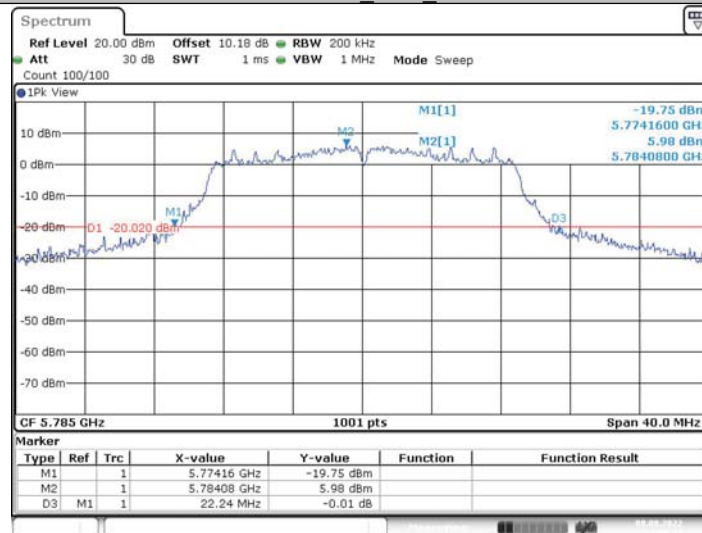




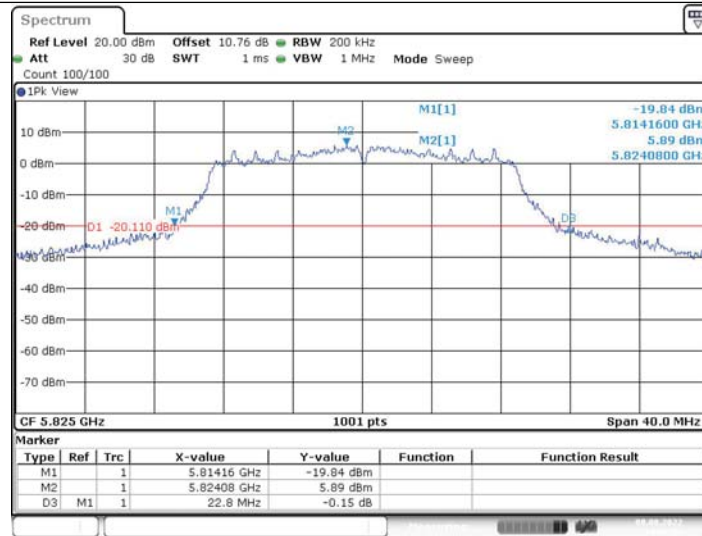
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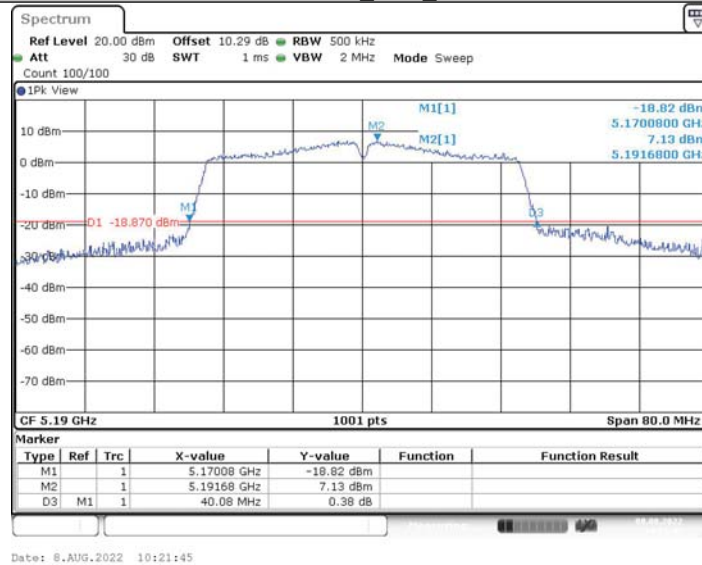
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

