TEST REPORT

Product Name:	WIFI MODULE
FCC ID:	2BGY7-HZ
Trademark:	N/A
Model Number:	HZ-LY22UV1.0
Prepared For:	Huizhou Huizhi Technology Co., Ltd
Address:	356 Longhai Fourth Road, Dayawan West District, Huizhou City, China
Manufacturer:	Huizhou Huizhi Technology Co., Ltd
Address:	356 Longhai Fourth Road, Dayawan West District, Huizhou City, China
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
Address:	1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	May. 7, 2024
Sample tested Date:	May. 7, 2024 to May. 25, 2024
Issue Date:	May. 25, 2024
Report No.:	CTB240523069RFX
Test Standards	FCC CFR Title 47 Part 15 Subpart E Section 15.407
Test Results	PASS
Remark:	This is WIFI-5GHz band radio test report.

Compiled by:	Reviewed by:	Approved by:
Zhou Kui	Arron Liu	Bin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

TABLE OF CONTENT

(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
CTB240523069RFX	May. 25, 2024	Original	Valid

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Test Item	Test Requirement	Test method	Result
AC Power Line Conducted Emission	47 CFR Part 15 Subpart E Section 15.407 (b)(6)	ANSI C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart E Section 15.205/15.407(b)	KDB789033	PASS
Band edge	47 CFR Part 15 Subpart E Section 15.205/15.407(b)	KDB789033	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart E Section 15.407 (a)	KDB789033	PASS
Emission Bandwidth & Occupied Bandwidth	47 CFR Part 15 Subpart E Section 15.407 (a)(e)	KDB789033	PASS
Power Spectral Density	47 CFR Part 15 Subpart E Section 15.407 (a)	KDB789033	PASS
Frequency stability	47 CFR Part 15 Subpart E Section 15.407 (g)	KDB789033	PASS
Operation in the absence of information to the transmit	47 CFR Part 15 Subpart E Section 15.407 (b)	47 CFR Part 15 Subpart E	PASS
Antenna Requirement	47 CFR Part 15 Subpart E Section 15.203	/	PASS

Remark:
Test according to ANSI C63.10-2013.

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Item	Uncertainty
Occupancy bandwidth	U=±54.3Hz
Adjacent channel power	U=±1.3dB
Conducted Adjacent channel power	U=±1.38dB
Conducted output power Above 1G	U=±1.0dB
Conducted output power below 1G	U=±0.9dB
Power Spectral Density , Conduction	U=±1.0dB
Conduction spurious emissions	U=±2.8dB
Out of band emission	U=±54Hz
3m camber Radiated spurious emission(9KHz-30MHz)	U=±4.8dB
3m camber Radiated spurious emission(30MHz-1GHz)	U=±4.3dB
3m chamber Radiated spurious emission(1GHz-18GHz)	U=±4.5dB
3m chamber Radiated spurious emission(18GHz-40GHz)	U=±3.4dB
humidity uncertainty	U=±5.3%
Temperature uncertainty	U=±0.59℃
Supply voltages	U=±3%
Time	U=±5%
Conducted emission(150K-30MHz)	3.2dB

4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model(s):	HZ-LY22UV1.0
Model Description:	N/A
Wi-Fi Specification:	IEEE 802.11a/n/ac
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	IEEE 802.11a/n/ac(20M): 5150MHz ~5250MHz/ 4 channel IEEE 802.11n/ac(40M): 5150MHz ~5250MHz/ 2 channel IEEE 802.11ac(80M): 5150MHz ~5250MHz/ 1 channel IEEE 802.11a/n/ac(20M): 5250MHz ~5350 MHz/ 4 channel IEEE 802.11n/ac(40M): 5250MHz ~5350 MHz/ 2 channel IEEE 802.11ac(80M): 5250MHz ~5350 MHz/ 1 channel IEEE 802.11a/n/ac(20M): 5470MHz ~5725 MHz/ 11 channel IEEE 802.11n/ac(40M): 5470MHz ~5725 MHz/ 5 channel IEEE 802.11ac(80M): 5470MHz ~5725 MHz/ 3 channel IEEE 802.11a/n/ac(20M): 5725MHz ~5850MHz/ 5 channel IEEE 802.11n/ac(40M): 5725MHz ~5850MHz/ 2 channel IEEE 802.11ac(80M): 5725MHz ~5850MHz/ 1 channel
Max. RF output power:	WiFi (5G): 17.684dBm
Type of Modulation:	WiFi (5G): OFDM
Antenna installation:	WiFi (5G): Built-in antenna
Antenna Gain:	WiFi (5.2G): ANT1: 1.62dBi, ANT2: 1.62dBi WiFi (5.3G): ANT1: 3.51dBi, ANT2: 3.51dBi WiFi (5.6G): ANT1: 5.57dBi, ANT2: 5.57dBi WiFi (5.8G): ANT1: 3.58dBi, ANT2: 3.58dBi
Ratings:	DC 5V by notebook

4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment.

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	Laptop	DELL	Vostro 5490	N/A	N/A

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

For 802.11a/n/ac(20M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
36	5180MHz	44	5220MHz
40	5200MHz	48	5240MHz
For 802.11a/n/ac(20M) Operation in the 5250MHz ~5350 MHz band			
Channel	Frequency	Channel	Frequency
52	5260MHz	60	5300MHz
56	5280MHz	64	5320MHz
For 802.11a/n/ac(20M) Operation in the 5470MHz ~5725 MHz band			
Channel	Frequency	Channel	Frequency
100	5500MHz	124	5620 MHz
104	5520MHz	128	5640 MHz
108	5540MHz	132	5660 MHz
112	5560MHz	136	5680MHz
116	5580MHz	140	5700MHz
120	5600 MHz		
For 802.11a/n/ac(20M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	Channel	Frequency
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz	NA	NA

For 802.11n/ac(40M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz
For 802.11n/ac(40M) Operation in the 5250MHz ~5350 MHz band			
Channel	Frequency	Channel	Frequency
54	5270MHz	62	5310MHz
For 802.11n/ac(40M) Operation in the 5470MHz ~5725 MHz band			
Channel	Frequency	Channel	Frequency
102	5510MHz	126	5630MHz
110	5550MHz	134	5670MHz
118	5590MHz		
For 802.11n/ac(40M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

For 802.11ac(80M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
42	5210MHz	NA	NA
For 802.11ac(80M) Operation in the 5250MHz ~5350 MHz band			
Channel	Frequency	Channel	Frequency
58	5290MHz	NA	NA
For 802.11ac(80M) Operation in the 5470MHz ~5725 MHz band			
Channel	Frequency	Channel	Frequency
106	5530MHz	138	5690MHz
122	5610 MHz		
For 802.11ac(80M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	NA	NA
155	5775MHz	NA	NA

NOTE: Dutycycle>98%.

Test mode	rate
802.11a	54M
802.11n	500M
802.11/ac	500M

4.5 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
802.11a/n/ac(20M)	5150MHz ~5250 MHz	Channel 36	Channel 40	Channel 48
		5180MHz	5200MHz	5240MHz
802.11n/ac(40M)		Channel 38	N/A	Channel 46
		5190MHz	N/A	5230MHz
802.11ac(80M)		N/A	Channel 42	N/A
		N/A	5210MHz	N/A
802.11a/n/ac(20M)	5250MHz ~5350 MHz	Channel 52	Channel 56	Channel 64
		5260MHz	5280MHz	5320MHz
802.11n/ac(40M)		Channel 54	N/A	Channel 62
		5270MHz	N/A	5310MHz
802.11ac(80M)		N/A	Channel 58	N/A
		N/A	5290MHz	N/A
802.11a/n/ac(20M)	5470MHz ~5725 MHz	Channel 100	Channel 116	Channel 140
		5500MHz	5580MHz	5700MHz
802.11n/ac(40M)		Channel 102	N/A	Channel 134
		5510MHz	N/A	5670MHz
802.11ac(80M)		N/A	Channel 106	N/A
		N/A	5530MHz	N/A
802.11a/n/ac(20M)	5725MHz ~5850 MHz	Channel 149	Channel 157	Channel 165
		5745MHz	5785MHz	5825MHz
802.11n/ac(40M)		Channel 151	N/A	Channel 159
		5755MHz	N/A	5795MHz
802.11ac(80M)		N/A	Channel 155	N/A
		N/A	5775MHz	N/A

4.6 Test Environment

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Normal Voltage(DC):	5V
Normal Temperature(℃):NT	23
Low Temperature(℃):LT	0
High Temperature(℃):HT	40

5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at 1&2F., Building A, No. 26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

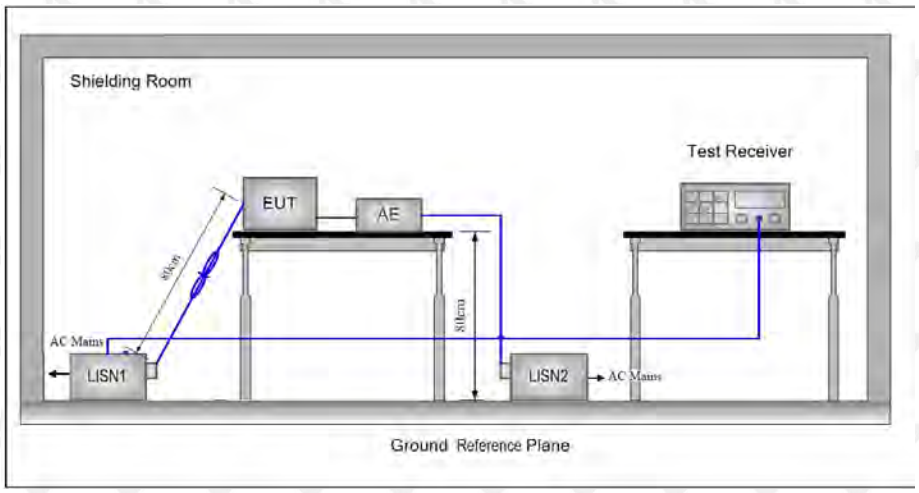
5.2 Test Instrument Used

No.	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY52090073	A.14.16	2024.07.05
2	Power Sensor	Agilent	U2021XA	MY56120032	/	2024.07.05
3	Power Sensor	Agilent	U2021XA	MY56120034	/	2024.07.05
4	Communication test set	R&S	CMW500	108058	V3.5.80	2024.07.05
5	Spectrum Analyzer	KEYSIGHT	N9020A	MY51289897	A.14.16	2024.07.05
6	Signal Generator	Agilent	N5181A	MY50140365	A.01.60	2024.07.05
7	Vector signal generator	Agilent	N5182A	MY47420195	A.01.87	2024.07.05
8	Communication test set	Agilent	E5515C	MY50102567	B.19.07 （E1962B ）	2024.07.06
9	2.4 GHz Filter	Shenxiang	MSF2400-2483.5MS-1154	20181015001	/	2024.07.05
10	5 GHz Filter	Shenxiang	MSF5150-5850MS-1155	20181015001	/	2024.07.06
11	Filter	Xingbo	XBLBQ-DZA120	190821-1-1	/	2024.07.06
12	BT&WI-FI Automatic test software	Micowave	MTS8000	Ver. 2.0.0.0	/	/
13	Rohde & Schwarz SFU Broadcast Test System	R&S	SFU	101017	/	2024.10.30
14	Temperature humidity chamber	Hongjing	TH-80CH	DG-15174	/	2024.07.05
15	234G Automatic test software	Micowave	MTS8200	Ver. 2.0.0.0	/	/
16	966 chamber	C.R.T.	966	/	/	2024.08.11
17	Receiver	R&S	ESPI	100362	RF_ATTEN_7 （104489/003）	2024.07.05
18	Amplifier	HP	8447E	2945A02747	/	2024.07.05
19	Amplifier	Agilent	8449B	3008A01838	/	2024.07.05
20	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	00869	/	2024.07.08
21	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA9120D	01911	/	2024.07.08

22	EMI test software	Fala	EZ-EMC	FA-03A2 RE	/	/
23	Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-224	/	2024.07.08
24	loop antenna	ZHINAN	ZN30900A	GTS534	/	/
25	40G Horn antenna	A/H/System	SAS-574	588	/	2024.10.30
26	Amplifier	AEROFLEX	Aeroflex	097	/	2024.07.05

6. AC POWER LINE CONDUCTED EMISSION

6.1 Block Diagram Of Test Setup



6.2 Limit

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56[Note 1]	56 to 46[Note 1]
0.5 – 5	56	46
5 – 30	60	50

Note 1: The level decreases linearly with the logarithm of the frequency.

* Decreasing linearly with the logarithm of the frequency

6.3 Test procedure

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50µH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

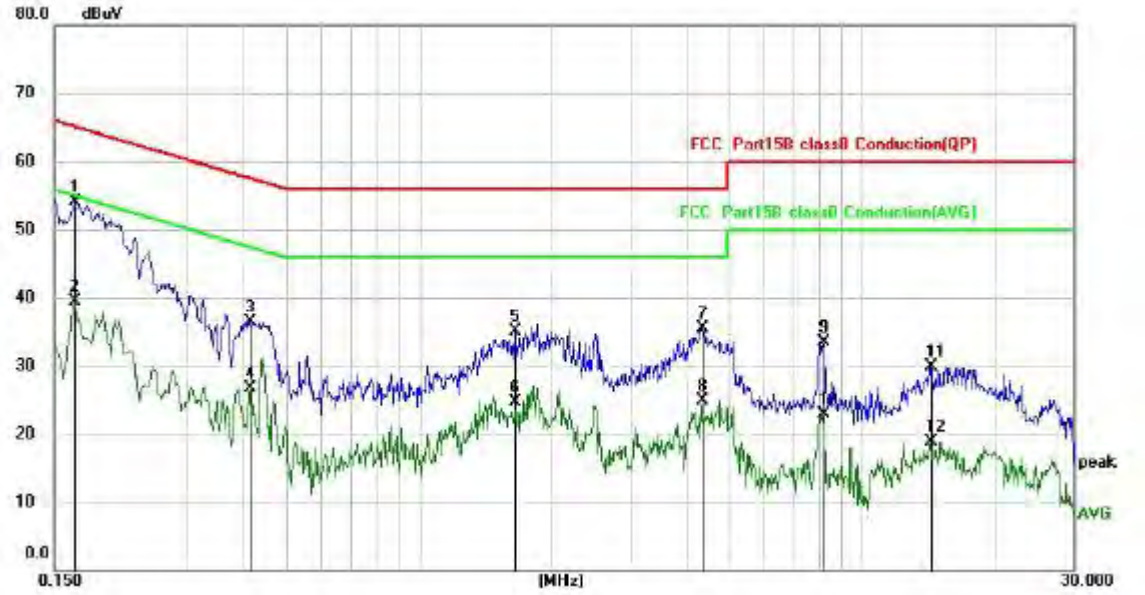
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0,4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane.

This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

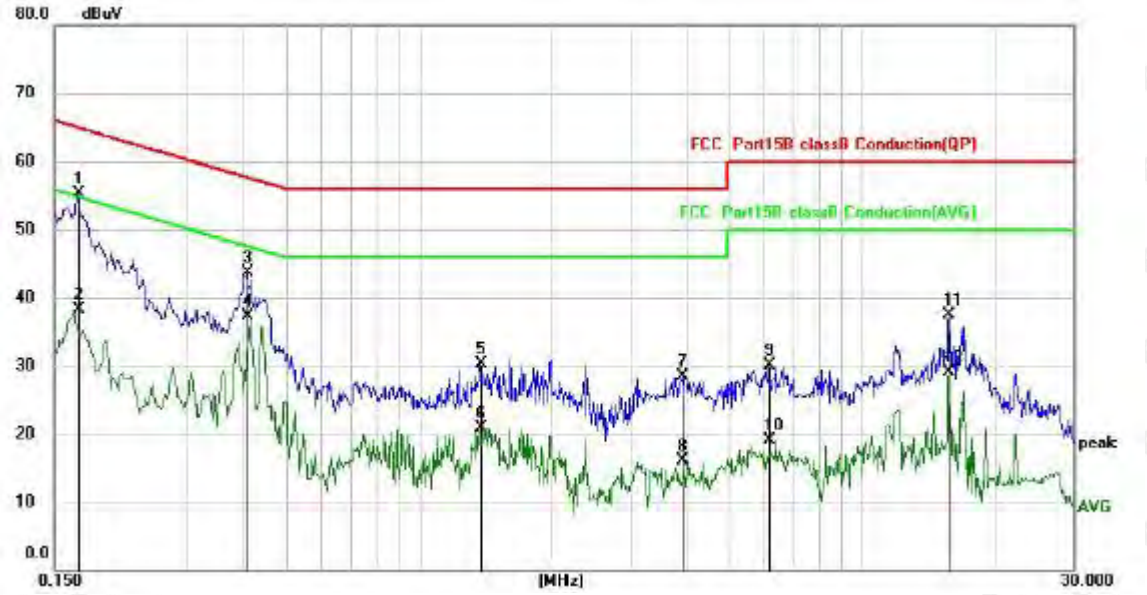
6.4 Test Result

L:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1668	44.06	9.95	54.01	65.12	-11.11	QP
2		0.1668	29.62	9.95	39.57	55.12	-15.55	AVG
3		0.4138	26.53	9.98	36.51	57.57	-21.06	QP
4		0.4138	16.80	9.98	26.78	47.57	-20.79	AVG
5		1.6500	25.07	10.06	35.13	56.00	-20.87	QP
6		1.6500	14.57	10.06	24.63	46.00	-21.37	AVG
7		4.3379	25.23	10.32	35.55	56.00	-20.45	QP
8		4.3379	14.58	10.32	24.90	46.00	-21.10	AVG
9		8.1500	22.95	10.54	33.49	60.00	-26.51	QP
10		8.1500	12.35	10.54	22.89	50.00	-27.11	AVG
11		14.2619	19.27	10.71	29.98	60.00	-30.02	QP
12		14.2619	8.29	10.71	19.00	50.00	-31.00	AVG

N:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1700	45.43	9.95	55.38	64.96	-9.58	QP
2		0.1700	28.26	9.95	38.21	54.96	-16.75	AVG
3		0.4100	33.64	9.98	43.62	57.65	-14.03	QP
4		0.4100	27.32	9.98	37.30	47.65	-10.35	AVG
5		1.3740	20.17	10.04	30.21	56.00	-25.79	QP
6		1.3740	10.93	10.04	20.97	46.00	-25.03	AVG
7		3.9260	18.16	10.28	28.44	56.00	-27.56	QP
8		3.9260	5.73	10.28	16.01	46.00	-29.99	AVG
9		6.1859	19.70	10.46	30.16	60.00	-29.84	QP
10		6.1859	8.63	10.46	19.09	50.00	-30.91	AVG
11		15.7179	26.73	10.74	37.47	60.00	-22.53	QP
12		15.7179	18.31	10.74	29.05	50.00	-20.95	AVG

Remark:
1. Factor = Cable loss + LISN factor, Margin = Limit – Level
2. All modes were tested at AC 120V and 240V, only the worst result of AC 120V 60Hz was reported.
3. All the test modes completed for test. Only the worst result of was reported.

7. RADIATED SPURIOUS EMISSIONS

7.1 Block Diagram Of Test Setup

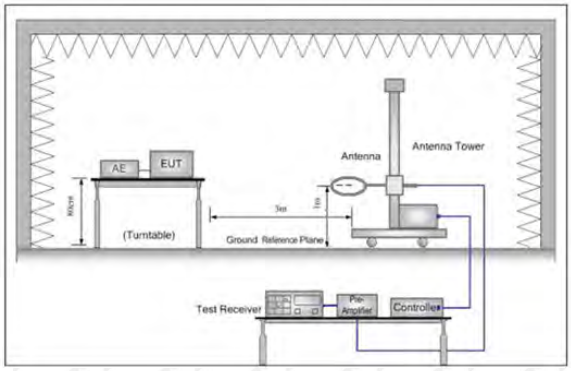


Figure 1. Below 30MHz

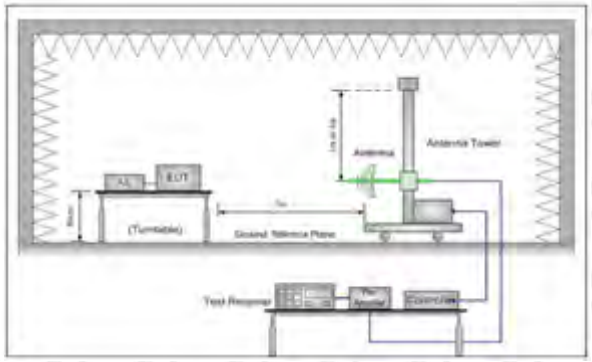


Figure 2. 30MHz to 1GHz

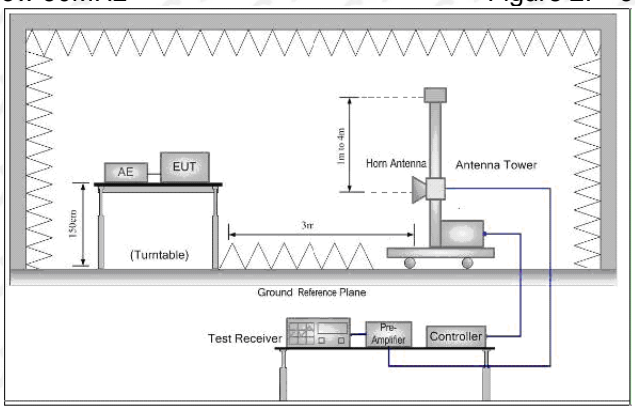


Figure 3. Above 1GHz

7.2 Limit

Spurious Emissions:

Frequency	Field strength (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	20log 2400/F (kHz) + 80	Quasi-peak	3
0.490MHz-1.705MHz	20log 24000/F (kHz) + 40	Quasi-peak	3
1.705MHz-30MHz	20log 30 + 40	Quasi-peak	3
30MHz-88MHz	40.0	Quasi-peak	3
88MHz-216MHz	43.5	Quasi-peak	3
216MHz-960MHz	46.0	Quasi-peak	3
960MHz-1GHz	54.0	Quasi-peak	3
Above 1GHz	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

If radiated measurements are performed, field strength is then converted to EIRP as follows:
(i) EIRP = ((E*d)^2) / 30
where:
• E is the field strength in V/m;
• d is the measurement distance in meters;
• EIRP is the equivalent isotropically radiated power in watts.
(ii) Working in dB units, the above equation is equivalent to:
EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
(iii) Or, if d is 3 meters:
EIRP[dBm] = E[dBμV/m] - 95.2

7.3 Test procedure

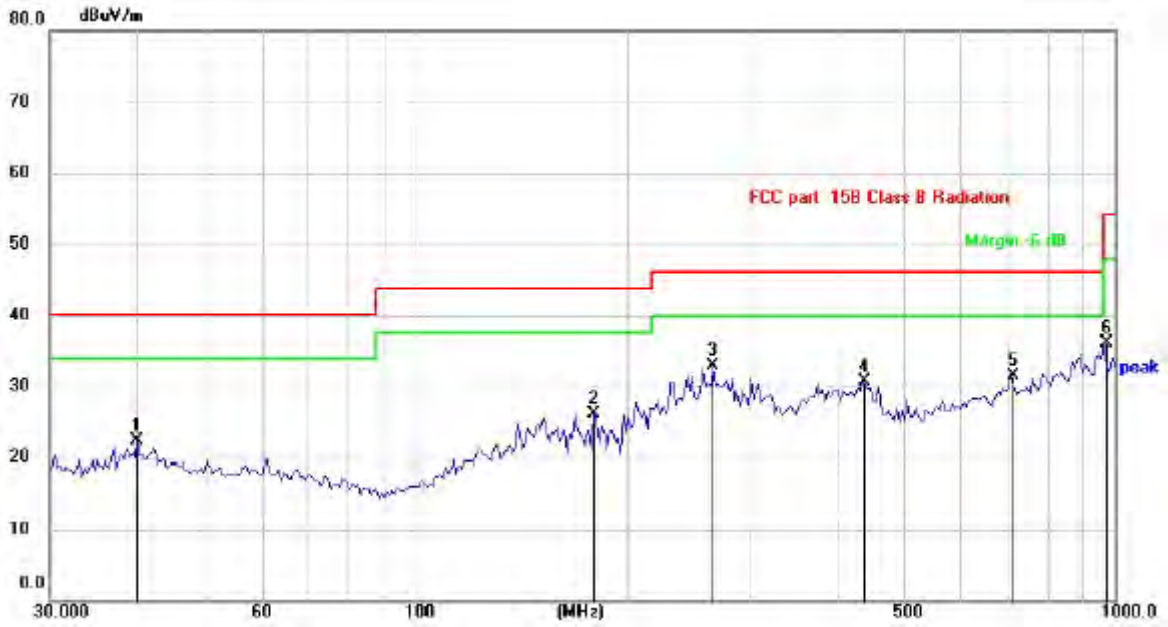
Below 1GHz test procedure as below:
a.The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b.The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c.The antenna 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table 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.
Above 1GHz test procedure as below:
g.Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
h.Test the EUT in the lowest channel ,the middle channel ,the Highest channel
j.Repeat above procedures until all frequencies measured was complete.

Receiver set:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30KHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30KHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120 kHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

7.4 Test Result

30MHz-1GHzTest Results:
Modulation : 802.11a (the worst data)
Test Channel : 5780MHz
Antenna polarity: H



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		40.0644	27.12	-4.78	22.34	40.00	-17.66	QP
2		179.3863	31.52	-5.40	26.12	43.50	-17.38	QP
3	*	266.1419	39.13	-6.20	32.93	46.00	-13.07	QP
4		434.8268	32.07	-1.39	30.68	46.00	-15.32	QP
5		710.4268	26.85	4.74	31.59	46.00	-14.41	QP
6		965.5421	28.57	7.53	36.10	54.00	-17.90	QP

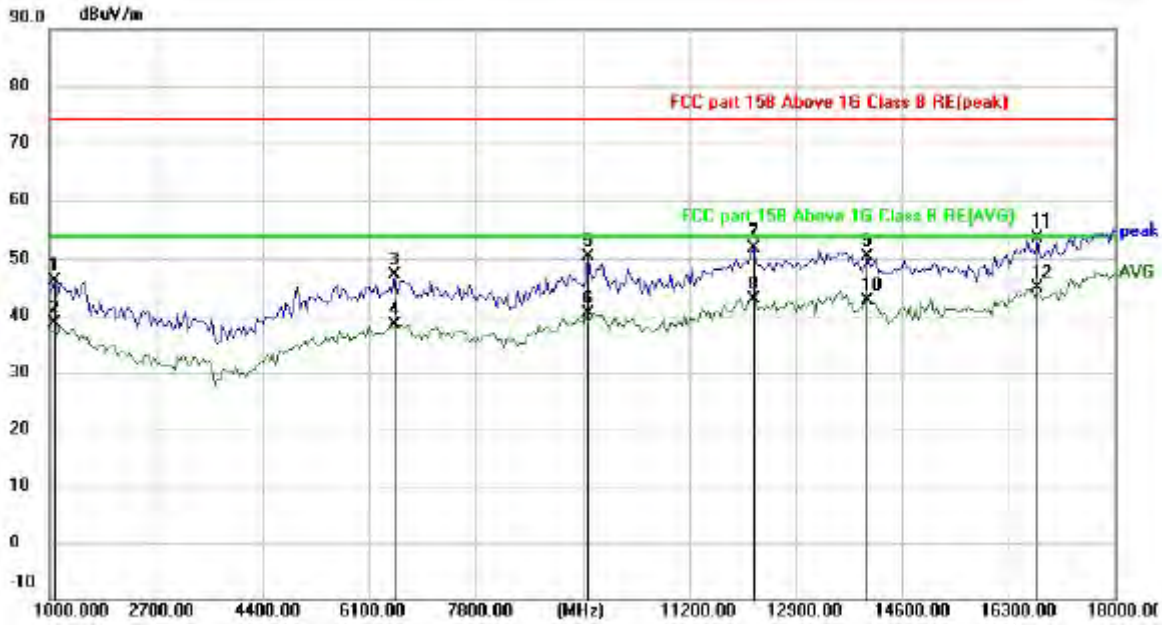
Antenna polarity: V

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		42.2281	27.05	-5.19	21.86	40.00	-18.14	QP
2		62.1039	25.88	-7.01	18.87	40.00	-21.13	QP
3		158.6677	29.42	-3.48	25.94	43.50	-17.56	QP
4		261.5164	30.20	-6.40	23.80	46.00	-22.20	QP
5		504.7062	31.68	0.16	31.84	46.00	-14.16	QP
6	*	869.1302	26.75	6.73	33.48	46.00	-12.52	QP

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

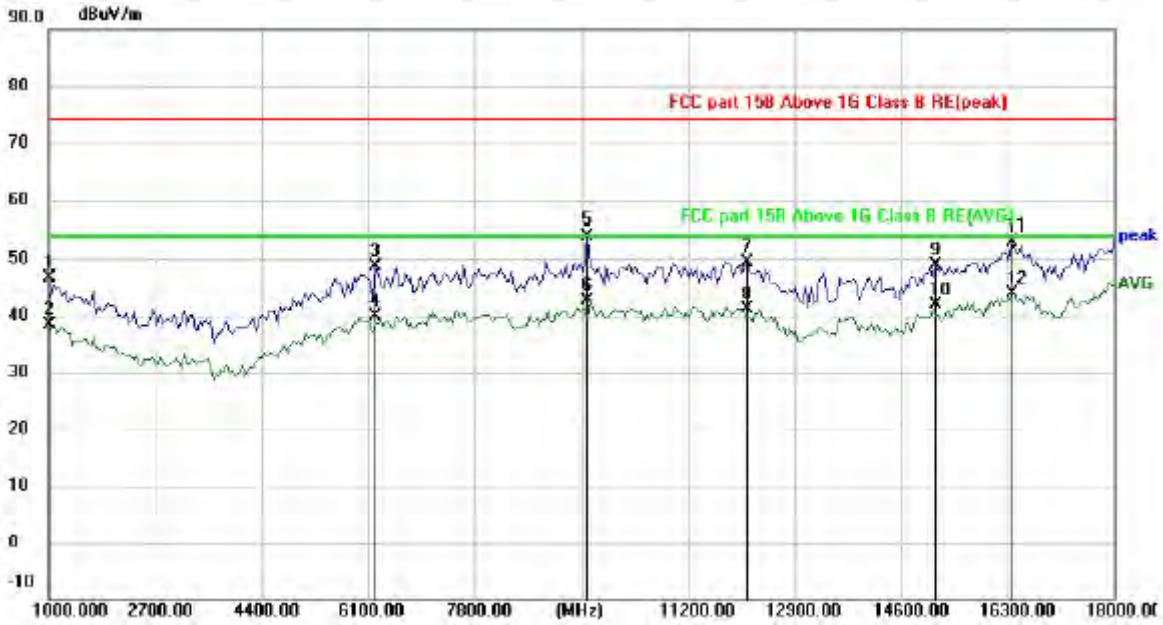
1. The margin of 9K-30MHz measurement exceeds 20dB, so the test chart is not included. Test Mode: 802.11a20 (the worst)

Radiated Spurious Emission (Above 1GHz):
Modulation : 802.11(ac20)-5190MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	42.20	4.01	46.21	74.00	-27.79	peak
2		1085.000	34.58	4.01	38.59	54.00	-15.41	AVG
3		6525.000	35.75	11.27	47.02	74.00	-26.98	peak
4		6525.000	27.07	11.27	38.34	54.00	-15.66	AVG
5		9585.000	32.72	17.58	50.30	74.00	-23.70	peak
6		9585.000	22.76	17.58	40.34	54.00	-13.66	AVG
7		12220.00	33.62	18.18	51.80	74.00	-22.20	peak
8		12220.00	24.75	18.18	42.93	54.00	-11.07	AVG
9		14047.50	28.97	21.41	50.38	74.00	-23.62	peak
10		14047.50	21.28	21.41	42.69	54.00	-11.31	AVG
11		16767.50	30.80	22.82	53.62	74.00	-20.38	peak
12	*	16767.50	22.11	22.82	44.93	54.00	-9.07	AVG

Vertical:

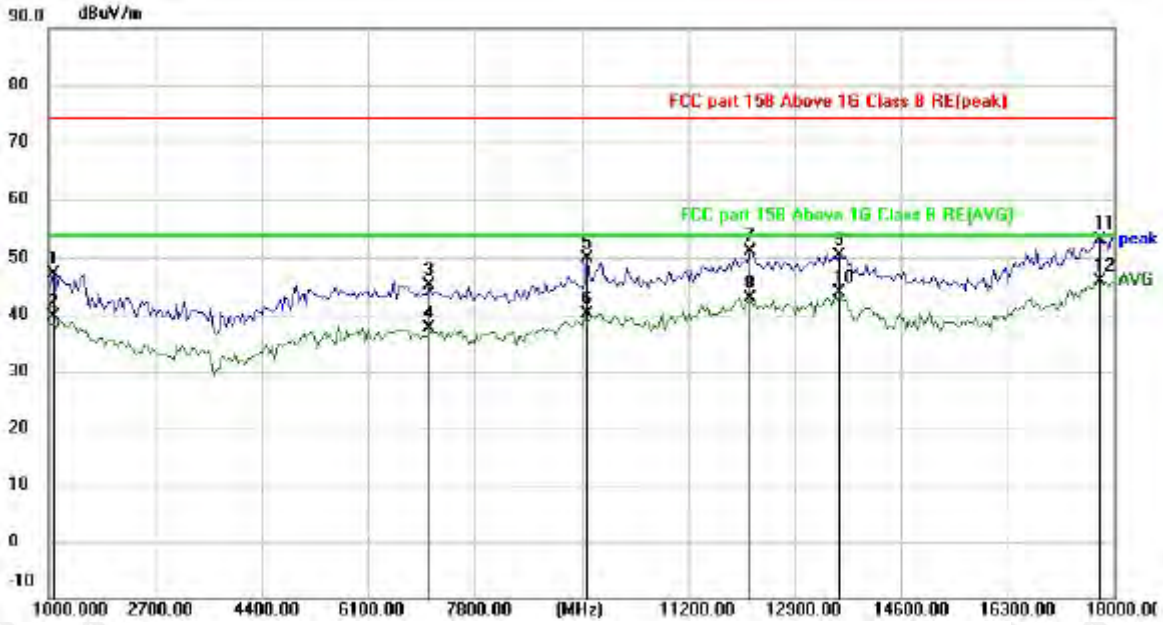


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1000.000	42.46	4.13	46.59	74.00	-27.41	peak
2		1000.000	34.17	4.13	38.30	54.00	-15.70	AVG
3		6227.500	37.96	10.77	48.73	74.00	-25.27	peak
4		6227.500	29.14	10.77	39.91	54.00	-14.09	AVG
5		9585.000	36.19	17.58	53.77	74.00	-20.23	peak
6		9585.000	25.17	17.58	42.75	54.00	-11.25	AVG
7		12135.00	31.43	17.97	49.40	74.00	-24.60	peak
8		12135.00	23.27	17.97	41.24	54.00	-12.76	AVG
9		15152.50	25.94	22.96	48.90	74.00	-25.10	peak
10		15152.50	18.86	22.96	41.82	54.00	-12.18	AVG
11		16385.00	30.13	22.67	52.80	74.00	-21.20	peak
12	*	16385.00	21.30	22.67	43.97	54.00	-10.03	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

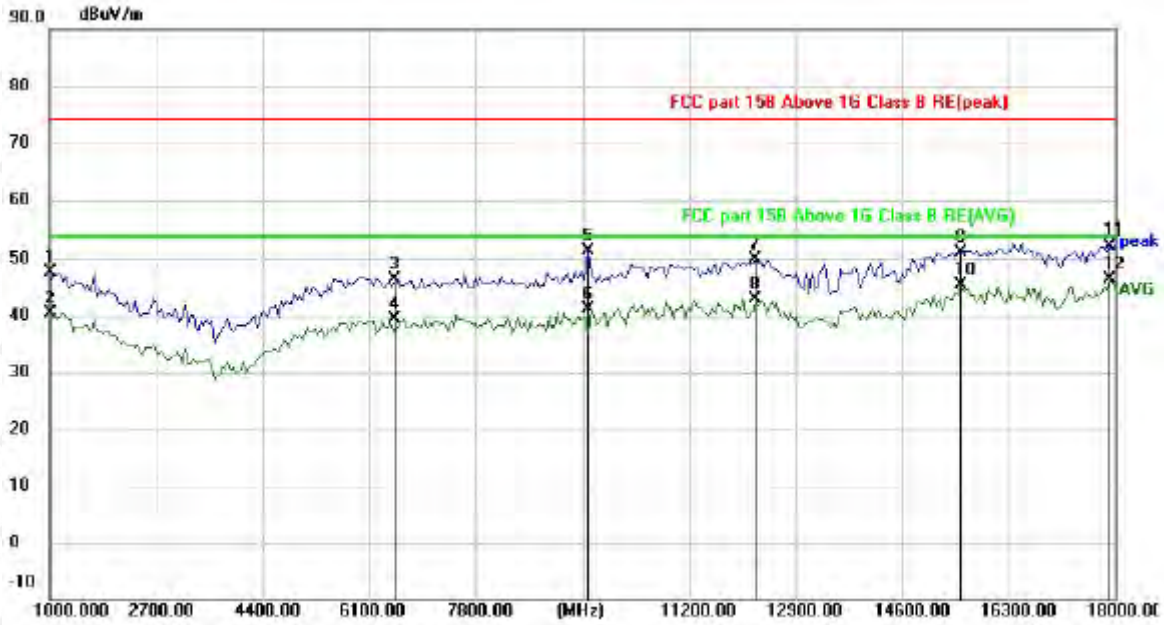
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5240MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	43.20	4.01	47.21	74.00	-26.79	peak
2		1085.000	35.58	4.01	39.59	54.00	-14.41	AVG
3		7077.500	32.79	12.23	45.02	74.00	-28.98	peak
4		7077.500	25.36	12.23	37.59	54.00	-16.41	AVG
5		9585.000	32.22	17.58	49.80	74.00	-24.20	peak
6		9585.000	22.63	17.58	40.21	54.00	-13.79	AVG
7		12177.50	33.05	18.11	51.16	74.00	-22.84	peak
8		12177.50	24.82	18.11	42.93	54.00	-11.07	AVG
9		13622.50	29.71	20.61	50.32	74.00	-23.68	peak
10		13622.50	23.20	20.61	43.81	54.00	-10.19	AVG
11		17787.50	26.72	26.52	53.24	74.00	-20.76	peak
12	*	17787.50	19.34	26.52	45.86	54.00	-8.14	AVG

Vertical:

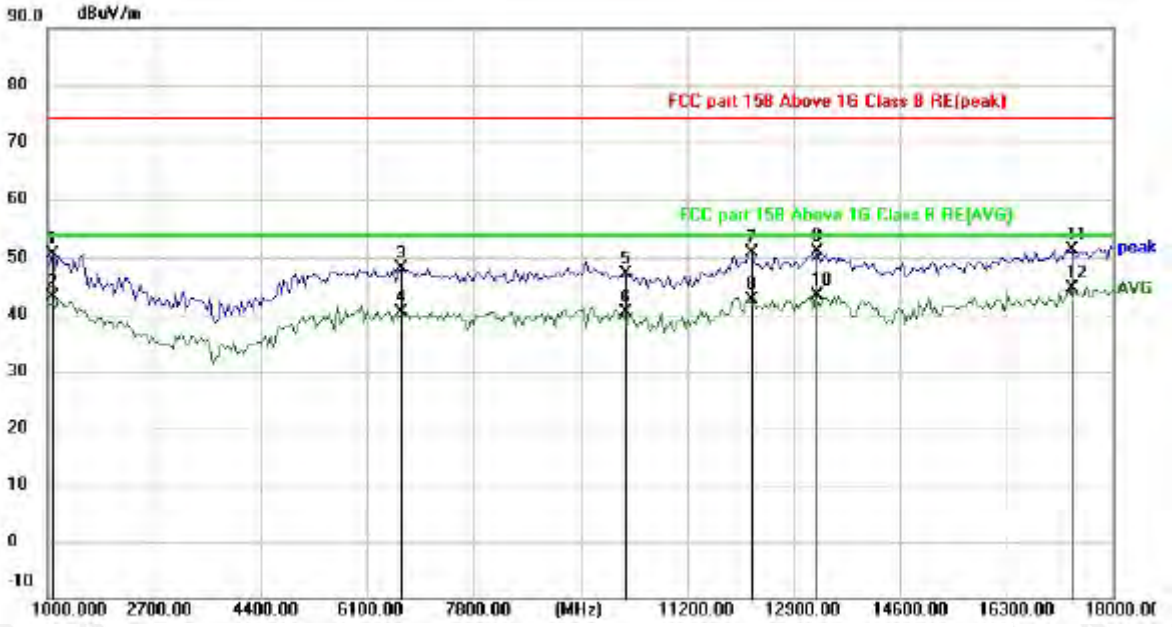


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1000.000	43.46	4.13	47.59	74.00	-26.41	peak
2		1000.000	36.17	4.13	40.30	54.00	-13.70	AVG
3		6525.000	35.06	11.27	46.33	74.00	-27.67	peak
4		6525.000	28.08	11.27	39.35	54.00	-14.65	AVG
5		9585.000	33.69	17.58	51.27	74.00	-22.73	peak
6		9585.000	23.67	17.58	41.25	54.00	-12.75	AVG
7		12262.50	31.88	18.12	50.00	74.00	-24.00	peak
8		12262.50	24.85	18.12	42.97	54.00	-11.03	AVG
9		15535.00	28.51	22.52	51.03	74.00	-22.97	peak
10		15535.00	22.80	22.52	45.32	54.00	-8.68	AVG
11		17915.00	25.47	26.75	52.22	74.00	-21.78	peak
12	*	17915.00	19.53	26.75	46.28	54.00	-7.72	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

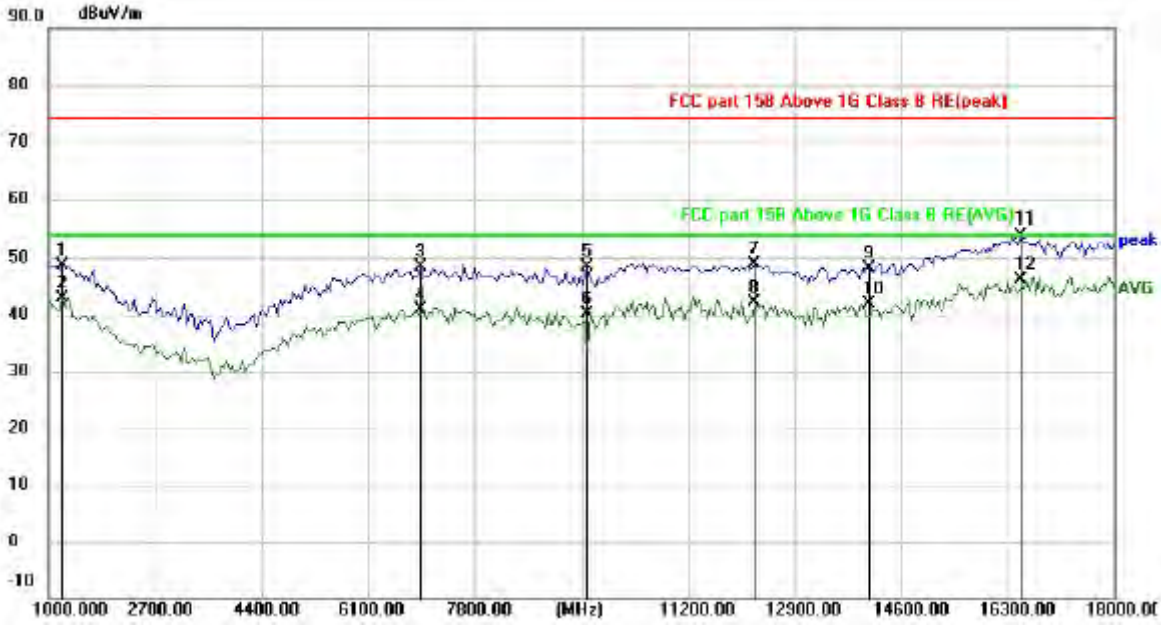
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5190MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.70	4.01	50.71	74.00	-23.29	peak
2		1085.000	39.08	4.01	43.09	54.00	-10.91	AVG
3		6652.500	36.67	11.48	48.15	74.00	-25.85	peak
4		6652.500	28.86	11.48	40.34	54.00	-13.66	AVG
5		10222.50	30.54	16.71	47.25	74.00	-26.75	peak
6		10222.50	23.67	16.71	40.38	54.00	-13.62	AVG
7		12220.00	32.62	18.18	50.80	74.00	-23.20	peak
8		12220.00	24.39	18.18	42.57	54.00	-11.43	AVG
9		13282.50	31.25	19.84	51.09	74.00	-22.91	peak
10		13282.50	23.59	19.84	43.43	54.00	-10.57	AVG
11		17362.50	26.30	25.11	51.41	74.00	-22.59	peak
12	*	17362.50	19.44	25.11	44.55	54.00	-9.45	AVG

Vertical:

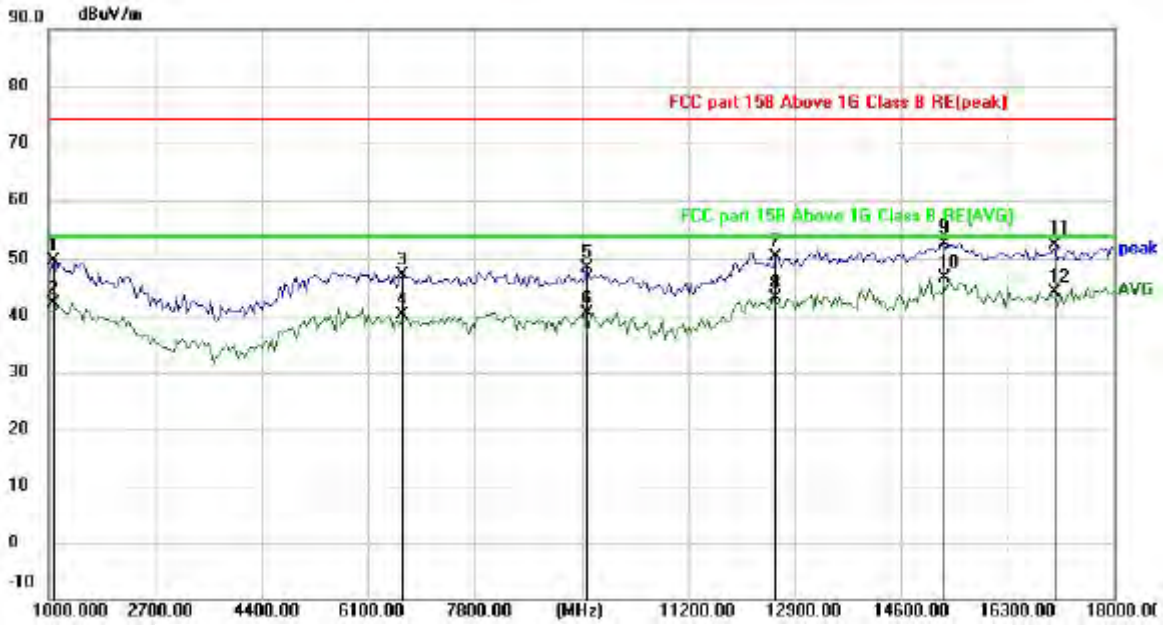


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1212.500	44.86	3.88	48.74	74.00	-25.26	peak
2		1212.500	39.07	3.88	42.95	54.00	-11.05	AVG
3		6950.000	36.47	11.96	48.43	74.00	-25.57	peak
4		6950.000	28.82	11.96	40.78	54.00	-13.22	AVG
5		9585.000	30.69	17.58	48.27	74.00	-25.73	peak
6		9585.000	22.67	17.58	40.25	54.00	-13.75	AVG
7		12262.50	30.88	18.12	49.00	74.00	-25.00	peak
8		12262.50	24.12	18.12	42.24	54.00	-11.76	AVG
9		14090.00	26.76	21.44	48.20	74.00	-25.80	peak
10		14090.00	20.33	21.44	41.77	54.00	-12.23	AVG
11		16512.50	31.05	22.90	53.95	74.00	-20.05	peak
12	*	16512.50	23.33	22.90	46.23	54.00	-7.77	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

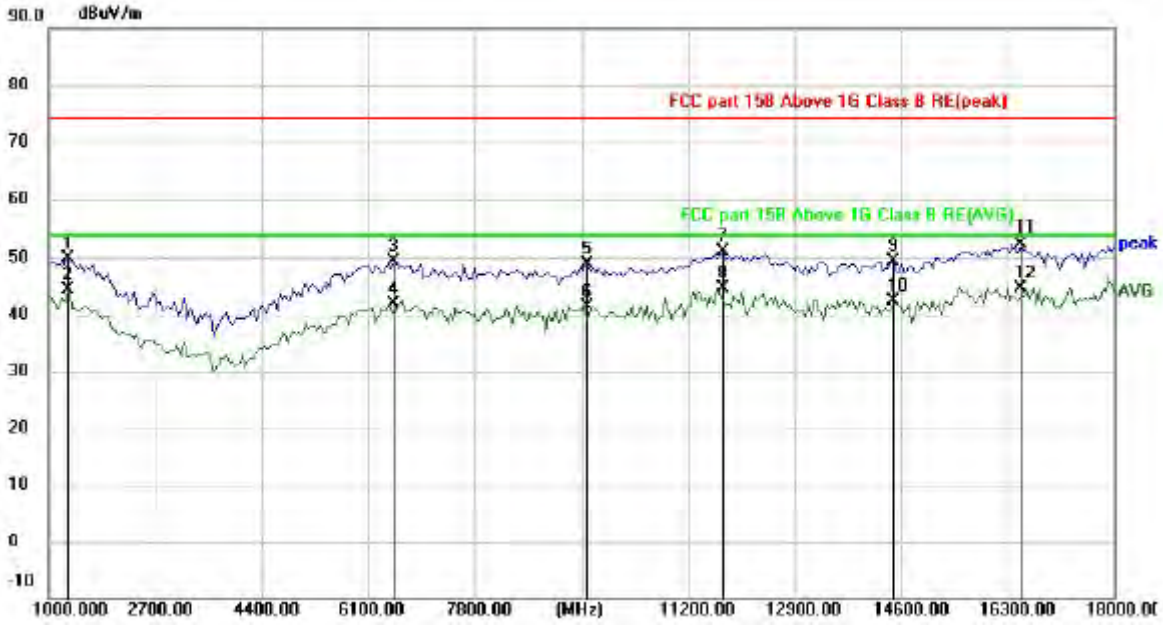
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5230MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	45.70	4.01	49.71	74.00	-24.29	peak
2		1085.000	38.04	4.01	42.05	54.00	-11.95	AVG
3		6652.500	35.67	11.48	47.15	74.00	-26.85	peak
4		6652.500	28.60	11.48	40.08	54.00	-13.92	AVG
5		9585.000	30.72	17.58	48.30	74.00	-25.70	peak
6		9585.000	22.76	17.58	40.34	54.00	-13.66	AVG
7		12602.50	31.54	18.75	50.29	74.00	-23.71	peak
8		12602.50	24.32	18.75	43.07	54.00	-10.93	AVG
9		15280.00	29.86	22.82	52.68	74.00	-21.32	peak
10	*	15280.00	23.92	22.82	46.74	54.00	-7.26	AVG
11		17065.00	29.13	23.17	52.30	74.00	-21.70	peak
12		17065.00	21.02	23.17	44.19	54.00	-9.81	AVG

Vertical:

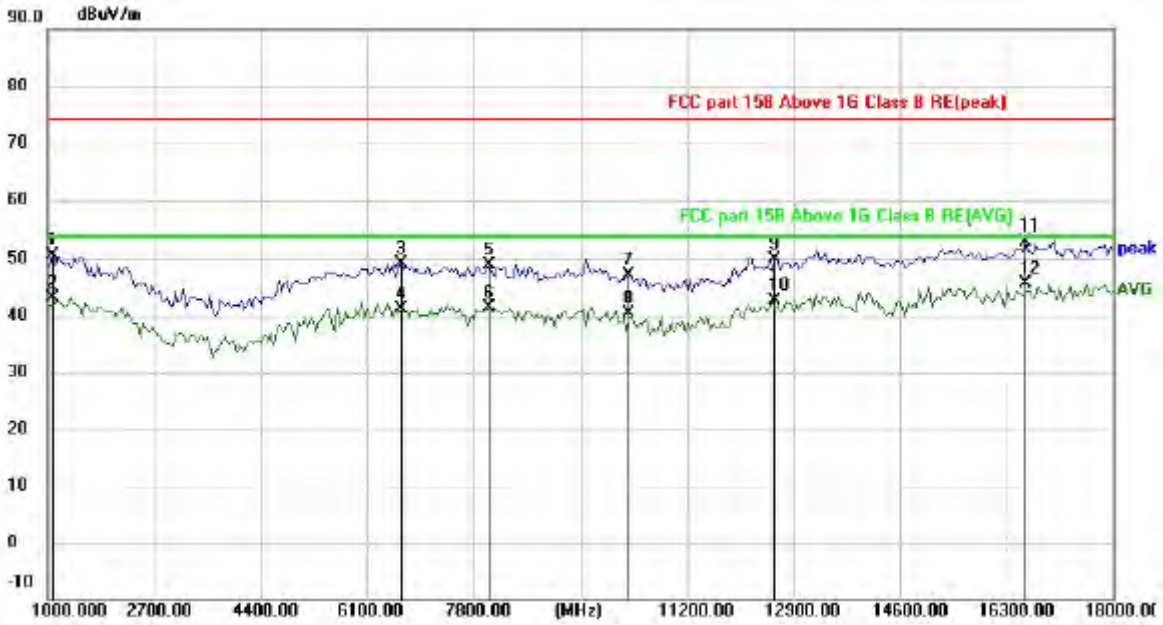


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	46.07	3.78	49.85	74.00	-24.15	peak
2		1297.500	40.67	3.78	44.45	54.00	-9.55	AVG
3		6525.000	38.06	11.27	49.33	74.00	-24.67	peak
4		6525.000	30.54	11.27	41.81	54.00	-12.19	AVG
5		9585.000	31.19	17.58	48.77	74.00	-25.23	peak
6		9585.000	23.76	17.58	41.34	54.00	-12.66	AVG
7		11752.50	33.38	17.64	51.02	74.00	-22.98	peak
8	*	11752.50	27.09	17.64	44.73	54.00	-9.27	AVG
9		14472.50	27.36	22.01	49.37	74.00	-24.63	peak
10		14472.50	20.44	22.01	42.45	54.00	-11.55	AVG
11		16512.50	29.55	22.90	52.45	74.00	-21.55	peak
12		16512.50	21.83	22.90	44.73	54.00	-9.27	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

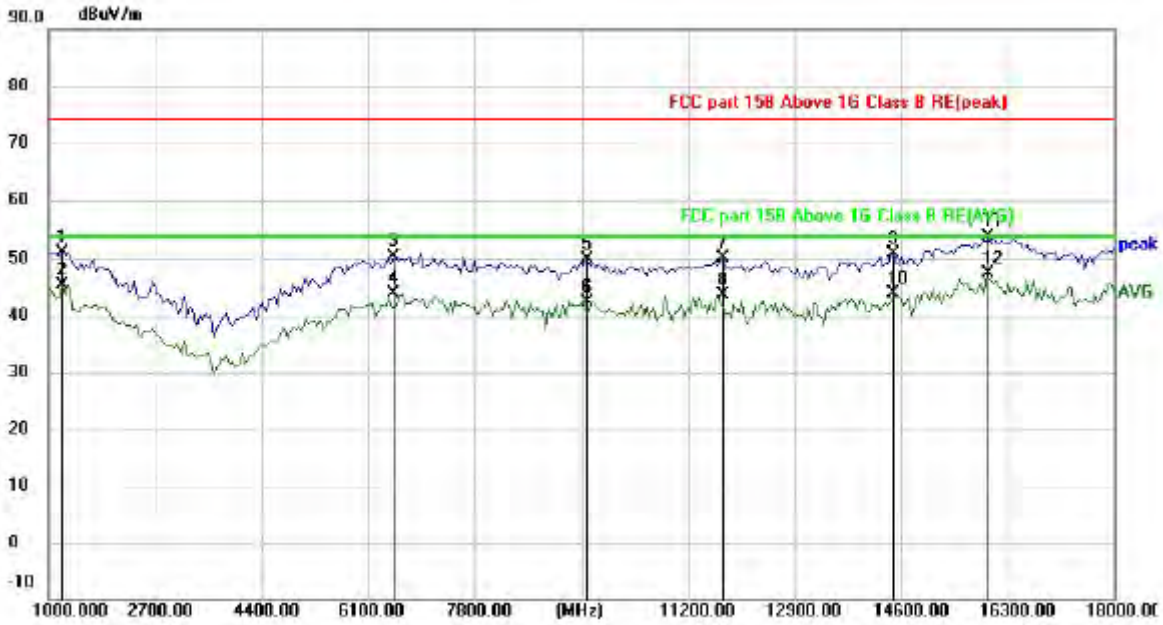
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac80)-5210MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.70	4.01	50.71	74.00	-23.29	peak
2		1085.000	39.08	4.01	43.09	54.00	-10.91	AVG
3		6652.500	37.67	11.48	49.15	74.00	-24.85	peak
4		6652.500	29.72	11.48	41.20	54.00	-12.80	AVG
5		8055.000	35.17	13.69	48.86	74.00	-25.14	peak
6		8055.000	27.63	13.69	41.32	54.00	-12.68	AVG
7		10265.00	30.50	16.61	47.11	74.00	-26.89	peak
8		10265.00	23.77	16.61	40.38	54.00	-13.62	AVG
9		12602.50	31.04	18.75	49.79	74.00	-24.21	peak
10		12602.50	23.82	18.75	42.57	54.00	-11.43	AVG
11		16597.50	29.97	22.87	52.84	74.00	-21.16	peak
12	*	16597.50	22.79	22.87	45.66	54.00	-8.34	AVG

Vertical:

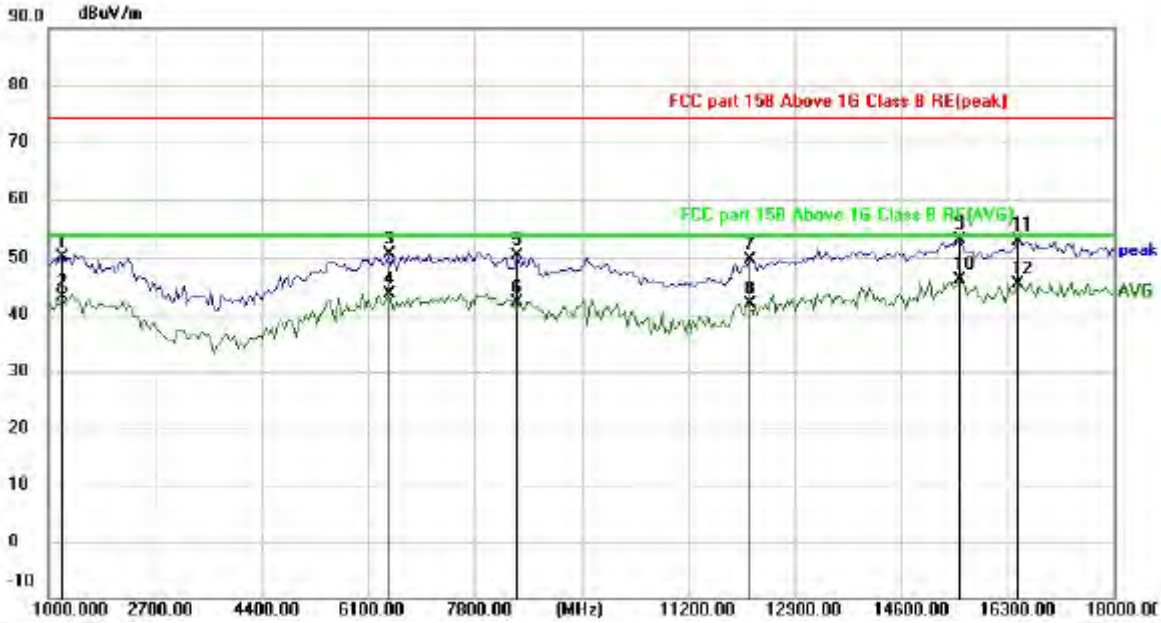


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1212.500	47.36	3.88	51.24	74.00	-22.76	peak
2		1212.500	41.57	3.88	45.45	54.00	-8.55	AVG
3		6525.000	39.06	11.27	50.33	74.00	-23.67	peak
4		6525.000	32.58	11.27	43.85	54.00	-10.15	AVG
5		9585.000	32.19	17.58	49.77	74.00	-24.23	peak
6		9585.000	24.76	17.58	42.34	54.00	-11.66	AVG
7		11752.50	32.38	17.64	50.02	74.00	-23.98	peak
8		11752.50	26.09	17.64	43.73	54.00	-10.27	AVG
9		14472.50	28.86	22.01	50.87	74.00	-23.13	peak
10		14472.50	21.94	22.01	43.95	54.00	-10.05	AVG
11		16002.50	31.96	21.90	53.86	74.00	-20.14	peak
12	*	16002.50	25.49	21.90	47.39	54.00	-6.61	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

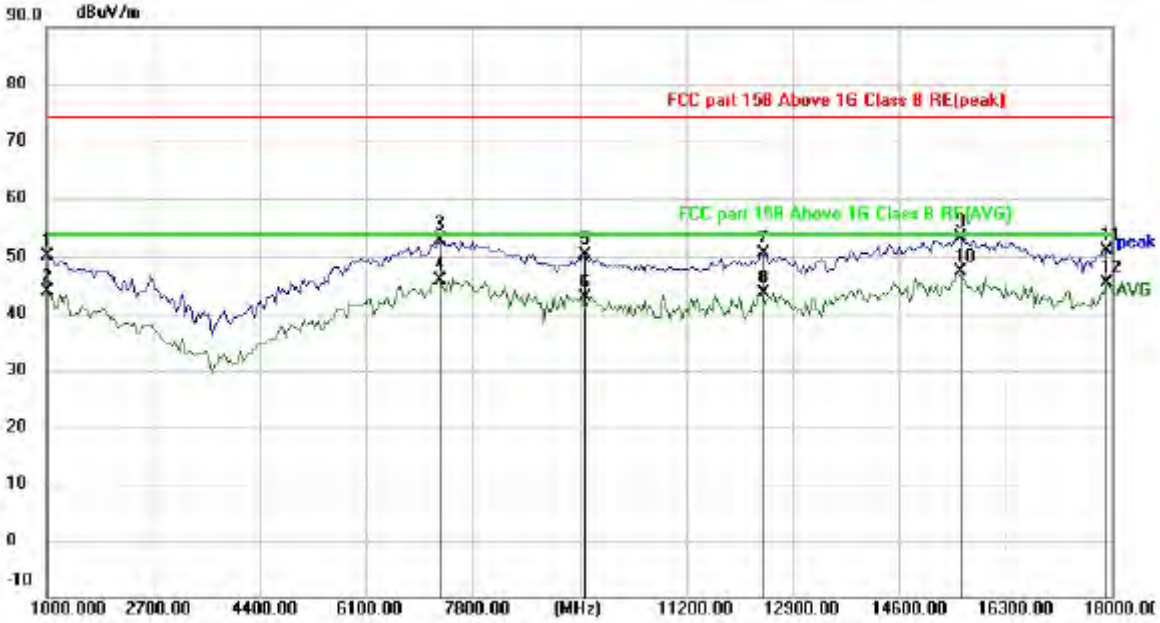
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5260MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1212.500	46.26	3.87	50.13	74.00	-23.87	peak
2		1212.500	39.15	3.87	43.02	54.00	-10.98	AVG
3		6440.000	39.51	11.13	50.64	74.00	-23.36	peak
4		6440.000	32.45	11.13	43.58	54.00	-10.42	AVG
5		8480.000	36.53	13.82	50.35	74.00	-23.65	peak
6		8480.000	28.37	13.82	42.19	54.00	-11.81	AVG
7		12177.500	31.55	18.11	49.66	74.00	-24.34	peak
8		12177.500	23.66	18.11	41.77	54.00	-12.23	AVG
9		15535.000	30.51	22.52	53.03	74.00	-20.97	peak
10	*	15535.000	23.53	22.52	46.05	54.00	-7.95	AVG
11		16470.000	30.02	22.84	52.86	74.00	-21.14	peak
12		16470.000	22.59	22.84	45.43	54.00	-8.57	AVG

Vertical:

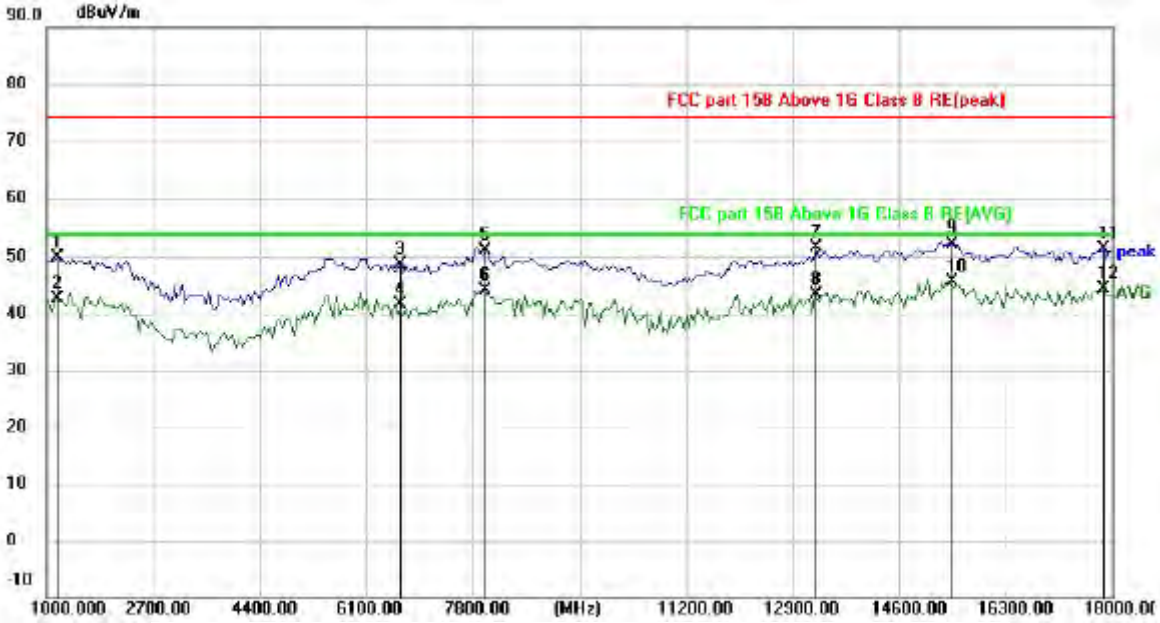


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1000.000	45.96	4.13	50.09	74.00	-23.91	peak
2		1000.000	39.64	4.13	43.77	54.00	-10.23	AVG
3		7290.000	40.07	12.75	52.82	74.00	-21.18	peak
4		7290.000	33.18	12.75	45.93	54.00	-8.07	AVG
5		9585.000	32.69	17.58	50.27	74.00	-23.73	peak
6		9585.000	25.26	17.58	42.84	54.00	-11.16	AVG
7		12432.50	32.29	18.32	50.61	74.00	-23.39	peak
8		12432.50	25.42	18.32	43.74	54.00	-10.26	AVG
9		15577.50	30.94	22.47	53.41	74.00	-20.59	peak
10	*	15577.50	24.85	22.47	47.32	54.00	-6.68	AVG
11		17915.00	24.47	26.75	51.22	74.00	-22.78	peak
12		17915.00	18.53	26.75	45.28	54.00	-8.72	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

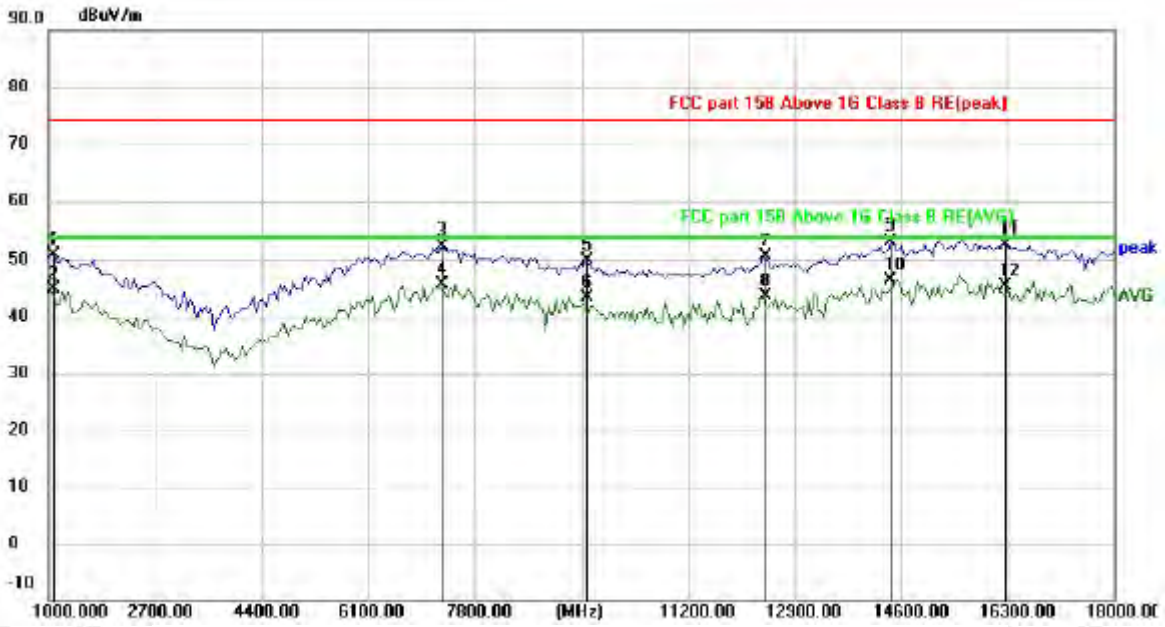
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5320MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1170.000	45.98	3.92	49.90	74.00	-24.10	peak
2		1170.000	38.75	3.92	42.67	54.00	-11.33	AVG
3		6652.500	37.17	11.48	48.65	74.00	-25.35	peak
4		6652.500	30.25	11.48	41.73	54.00	-12.27	AVG
5		8012.500	37.43	13.67	51.10	74.00	-22.90	peak
6		8012.500	30.53	13.67	44.20	54.00	-9.80	AVG
7		13282.50	31.75	19.84	51.59	74.00	-22.41	peak
8		13282.50	23.59	19.84	43.43	54.00	-10.57	AVG
9		15450.00	29.62	22.63	52.25	74.00	-21.75	peak
10	*	15450.00	23.04	22.63	45.67	54.00	-8.33	AVG
11		17872.50	24.63	26.67	51.30	74.00	-22.70	peak
12		17872.50	17.65	26.67	44.32	54.00	-9.68	AVG

Vertical:

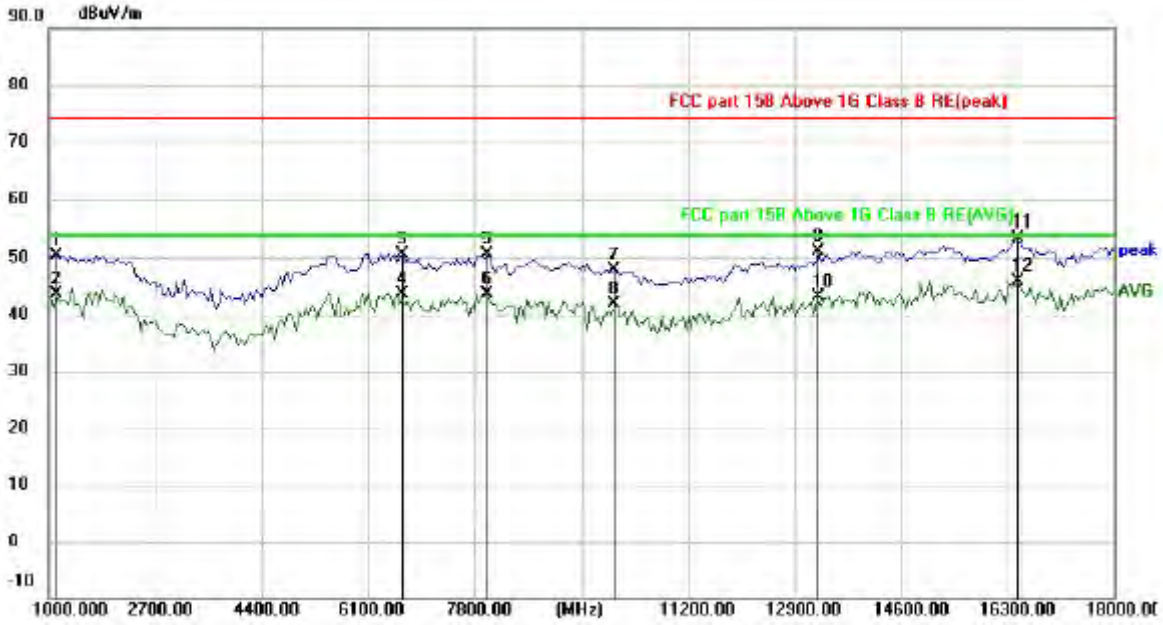


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.75	4.03	50.78	74.00	-23.22	peak
2		1085.000	40.74	4.03	44.77	54.00	-9.23	AVG
3		7290.000	39.57	12.75	52.32	74.00	-21.68	peak
4		7290.000	32.96	12.75	45.71	54.00	-8.29	AVG
5		9585.000	32.19	17.58	49.77	74.00	-24.23	peak
6		9585.000	25.72	17.58	43.30	54.00	-10.70	AVG
7		12432.50	32.29	18.32	50.61	74.00	-23.39	peak
8		12432.50	25.42	18.32	43.74	54.00	-10.26	AVG
9		14430.00	31.23	21.95	53.18	74.00	-20.82	peak
10	*	14430.00	24.50	21.95	46.45	54.00	-7.55	AVG
11		16257.50	30.24	22.41	52.65	74.00	-21.35	peak
12		16257.50	23.09	22.41	45.50	54.00	-8.50	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

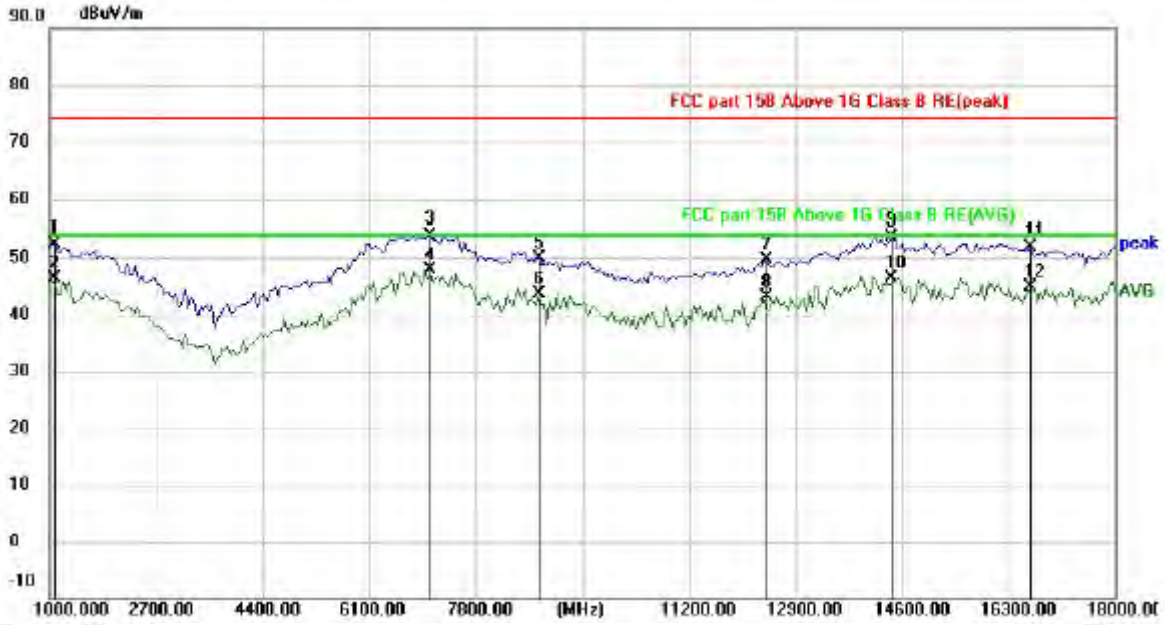
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5270MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	46.48	3.97	50.45	74.00	-23.55	peak
2		1127.500	39.70	3.97	43.67	54.00	-10.33	AVG
3		6652.500	39.17	11.48	50.65	74.00	-23.35	peak
4		6652.500	32.25	11.48	43.73	54.00	-10.27	AVG
5		8012.500	36.93	13.67	50.60	74.00	-23.40	peak
6		8012.500	30.03	13.67	43.70	54.00	-10.30	AVG
7		10010.00	30.57	17.21	47.78	74.00	-26.22	peak
8		10010.00	24.70	17.21	41.91	54.00	-12.09	AVG
9		13282.50	31.25	19.84	51.09	74.00	-22.91	peak
10		13282.50	23.31	19.84	43.15	54.00	-10.85	AVG
11		16470.00	30.52	22.84	53.36	74.00	-20.64	peak
12	*	16470.00	23.04	22.84	45.88	54.00	-8.12	AVG

Vertical:

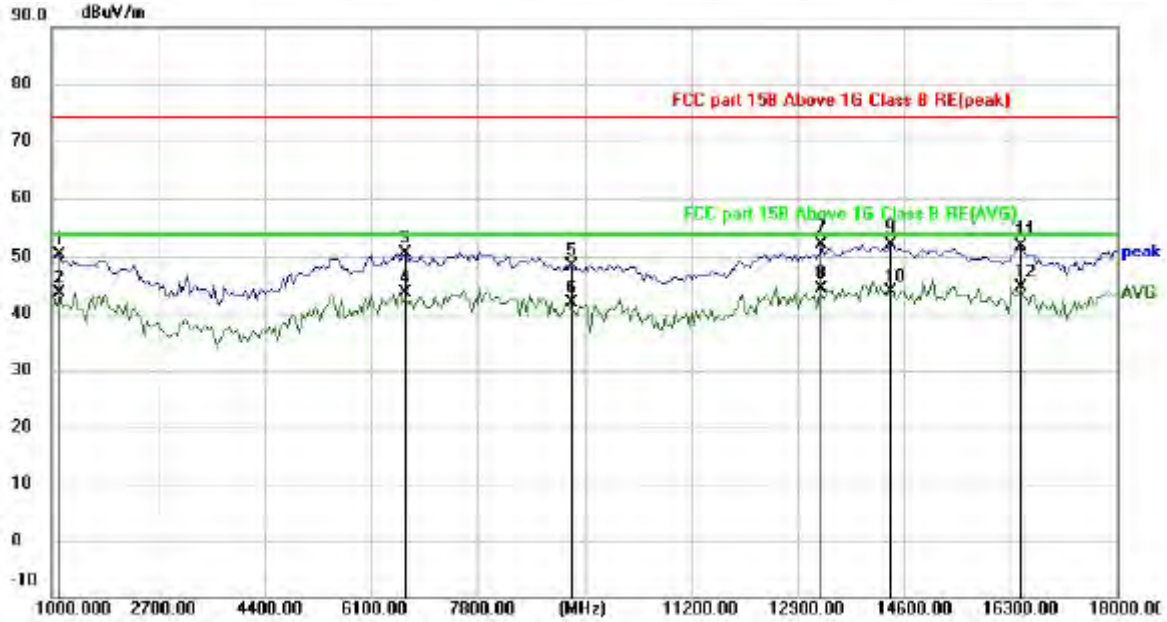


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	48.25	4.03	52.28	74.00	-21.72	peak
2		1085.000	42.24	4.03	46.27	54.00	-7.73	AVG
3		7077.500	41.70	12.23	53.93	74.00	-20.07	peak
4	*	7077.500	35.55	12.23	47.78	54.00	-6.22	AVG
5		8820.000	34.77	15.23	50.00	74.00	-24.00	peak
6		8820.000	28.47	15.23	43.70	54.00	-10.30	AVG
7		12432.50	31.29	18.32	49.61	74.00	-24.39	peak
8		12432.50	24.71	18.32	43.03	54.00	-10.97	AVG
9		14430.00	31.73	21.95	53.68	74.00	-20.32	peak
10		14430.00	24.50	21.95	46.45	54.00	-7.55	AVG
11		16640.00	28.94	22.86	51.80	74.00	-22.20	peak
12		16640.00	21.98	22.86	44.84	54.00	-9.16	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

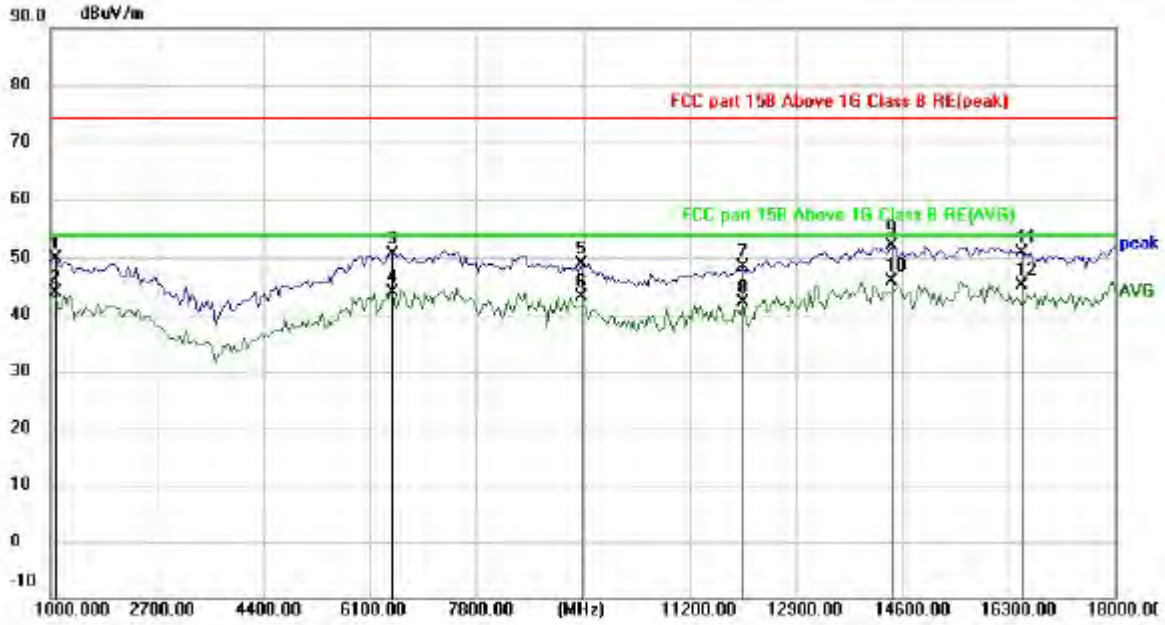
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5310MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	46.48	3.97	50.45	74.00	-23.55	peak
2		1127.500	39.70	3.97	43.67	54.00	-10.33	AVG
3		6652.500	39.17	11.48	50.65	74.00	-23.35	peak
4		6652.500	32.25	11.48	43.73	54.00	-10.27	AVG
5		9287.500	31.54	16.96	48.50	74.00	-25.50	peak
6		9287.500	24.81	16.96	41.77	54.00	-12.23	AVG
7		13282.50	32.25	19.84	52.09	74.00	-21.91	peak
8		13282.50	24.56	19.84	44.40	54.00	-9.60	AVG
9		14387.50	30.32	21.89	52.21	74.00	-21.79	peak
10		14387.50	22.11	21.89	44.00	54.00	-10.00	AVG
11		16470.00	29.02	22.84	51.86	74.00	-22.14	peak
12	*	16470.00	21.79	22.84	44.63	54.00	-9.37	AVG

Vertical:

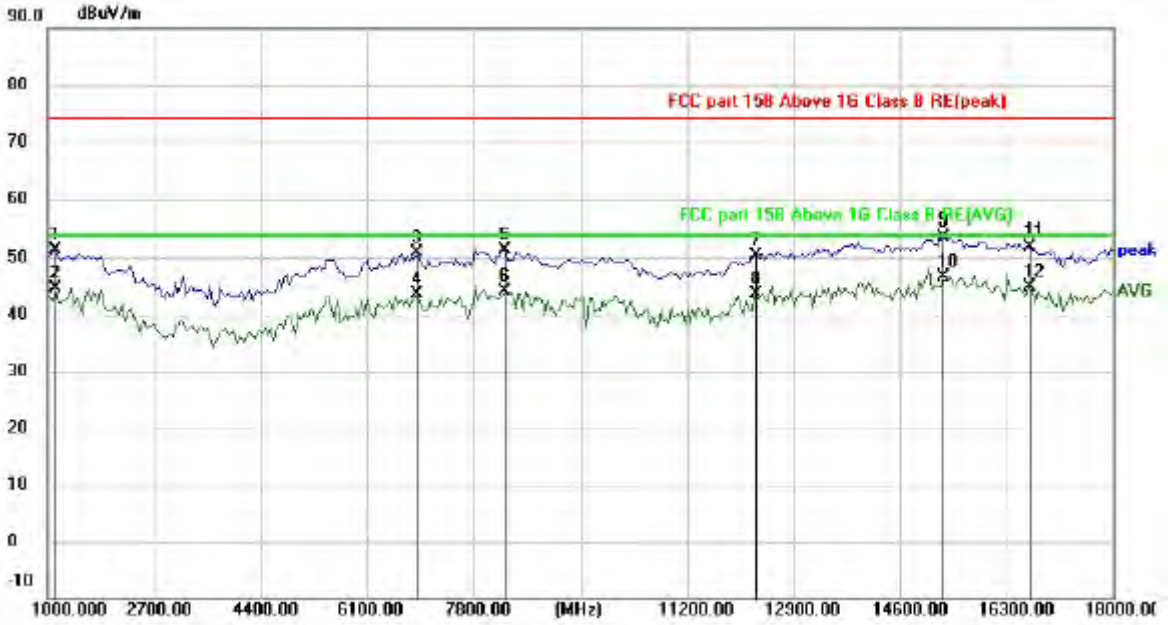


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	45.75	4.03	49.78	74.00	-24.22	peak
2		1085.000	39.74	4.03	43.77	54.00	-10.23	AVG
3		6482.500	39.44	11.20	50.64	74.00	-23.36	peak
4		6482.500	32.61	11.20	43.81	54.00	-10.19	AVG
5		9457.500	31.41	17.51	48.92	74.00	-25.08	peak
6		9457.500	25.74	17.51	43.25	54.00	-10.75	AVG
7		12050.00	30.60	17.87	48.47	74.00	-25.53	peak
8		12050.00	24.37	17.87	42.24	54.00	-11.76	AVG
9		14430.00	30.23	21.95	52.18	74.00	-21.82	peak
10	*	14430.00	23.82	21.95	45.77	54.00	-8.23	AVG
11		16512.50	28.05	22.90	50.95	74.00	-23.05	peak
12		16512.50	22.21	22.90	45.11	54.00	-8.89	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

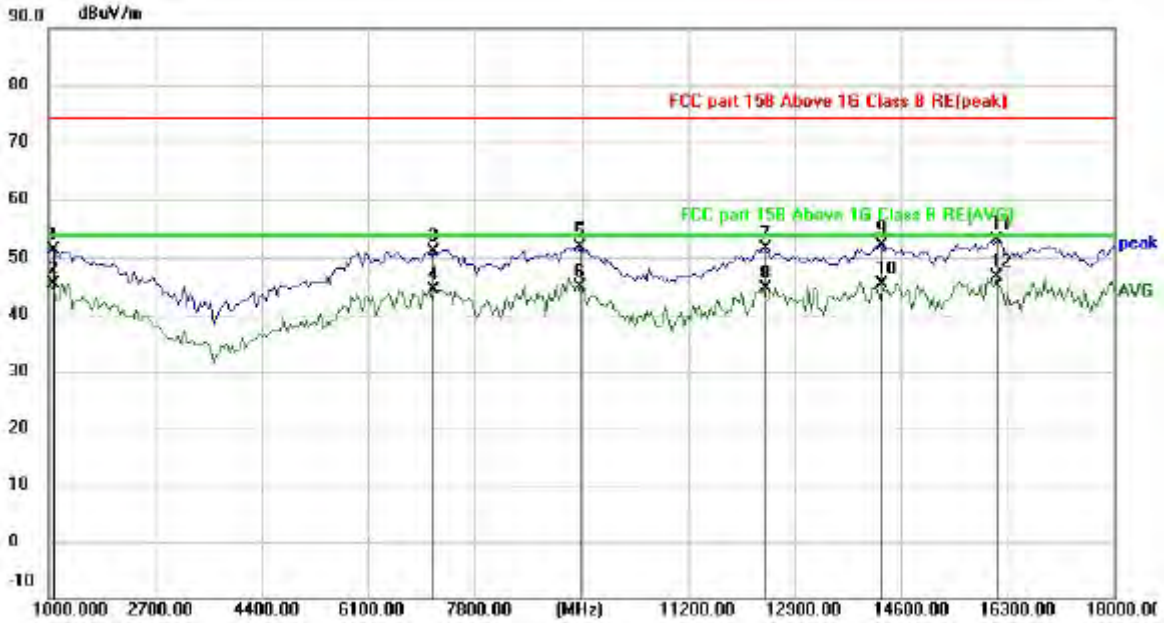
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac80)-5290MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	47.48	3.97	51.45	74.00	-22.55	peak
2		1127.500	40.70	3.97	44.67	54.00	-9.33	AVG
3		6907.500	38.89	11.89	50.78	74.00	-23.22	peak
4		6907.500	31.81	11.89	43.70	54.00	-10.30	AVG
5		8310.000	37.58	13.77	51.35	74.00	-22.65	peak
6		8310.000	30.45	13.77	44.22	54.00	-9.78	AVG
7		12305.00	32.12	18.32	50.44	74.00	-23.56	peak
8		12305.00	25.38	18.32	43.70	54.00	-10.30	AVG
9		15280.00	30.86	22.82	53.68	74.00	-20.32	peak
10	*	15280.00	23.85	22.82	46.67	54.00	-7.33	AVG
11		16682.50	29.14	22.84	51.98	74.00	-22.02	peak
12		16682.50	22.14	22.84	44.98	54.00	-9.02	AVG

Vertical:

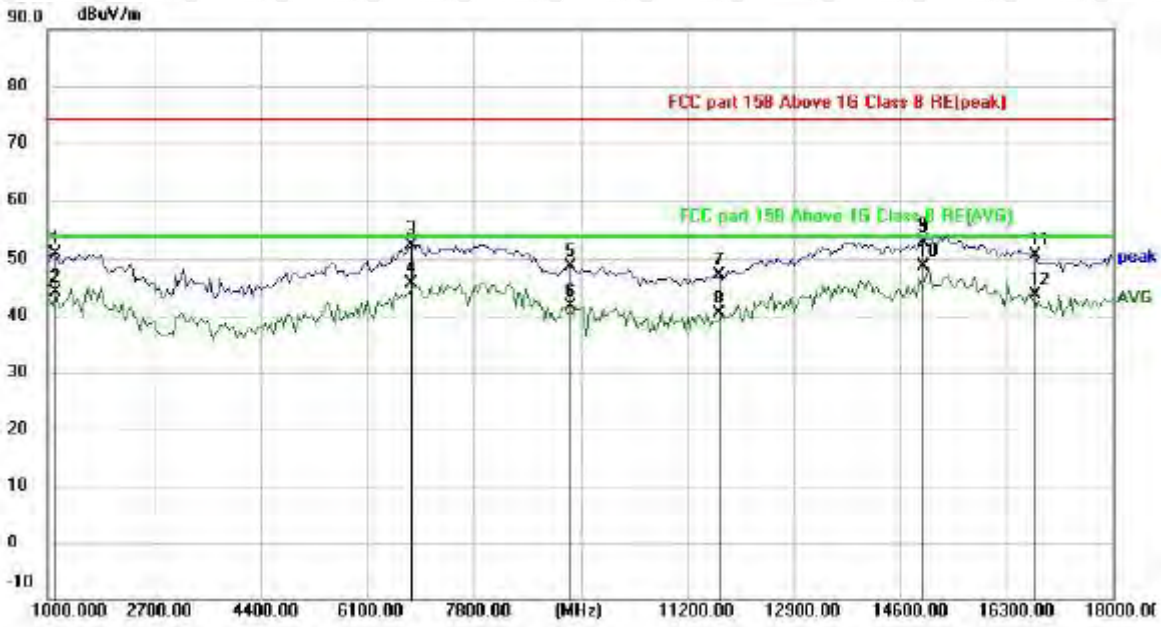


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	47.25	4.03	51.28	74.00	-22.72	peak
2		1085.000	41.42	4.03	45.45	54.00	-8.55	AVG
3		7162.500	38.77	12.44	51.21	74.00	-22.79	peak
4		7162.500	31.99	12.44	44.43	54.00	-9.57	AVG
5		9457.500	34.41	17.51	51.92	74.00	-22.08	peak
6		9457.500	27.36	17.51	44.87	54.00	-9.13	AVG
7		12432.50	33.29	18.32	51.61	74.00	-22.39	peak
8		12432.50	26.42	18.32	44.74	54.00	-9.26	AVG
9		14302.50	30.34	21.75	52.09	74.00	-21.91	peak
10		14302.50	23.70	21.75	45.45	54.00	-8.55	AVG
11		16130.00	31.09	22.16	53.25	74.00	-20.75	peak
12	*	16130.00	24.45	22.16	46.61	54.00	-7.39	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

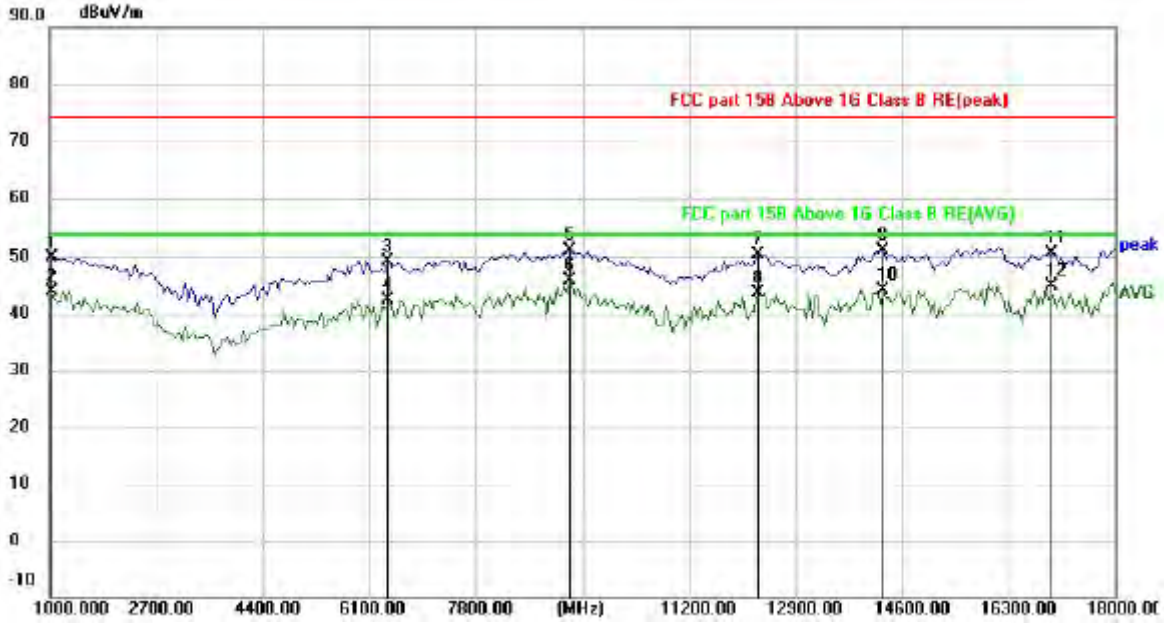
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5500MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	46.98	3.97	50.95	74.00	-23.05	peak
2		1127.500	40.20	3.97	44.17	54.00	-9.83	AVG
3		6822.500	40.62	11.75	52.37	74.00	-21.63	peak
4		6822.500	33.88	11.75	45.63	54.00	-8.37	AVG
5		9330.000	31.49	17.10	48.59	74.00	-25.41	peak
6		9330.000	24.55	17.10	41.65	54.00	-12.35	AVG
7		11710.00	29.48	17.61	47.09	74.00	-26.91	peak
8		11710.00	22.72	17.61	40.33	54.00	-13.67	AVG
9		14982.50	29.86	23.09	52.95	74.00	-21.05	peak
10	*	14982.50	25.65	23.09	48.74	54.00	-5.26	AVG
11		16767.50	27.80	22.82	50.62	74.00	-23.38	peak
12		16767.50	20.69	22.82	43.51	54.00	-10.49	AVG

Vertical:

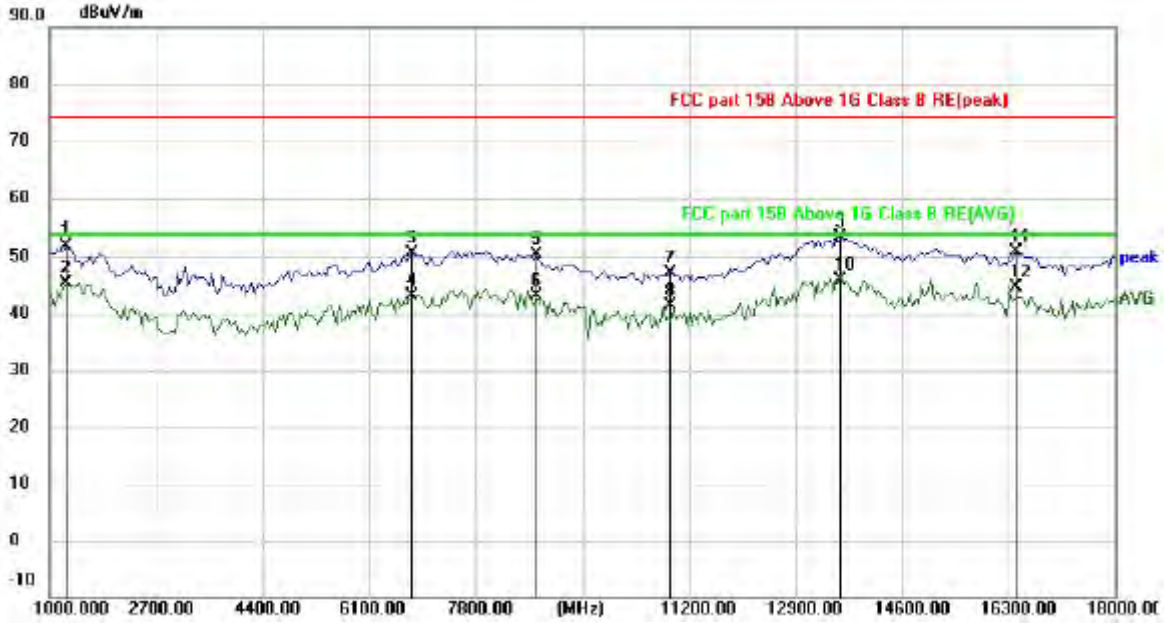


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1042.500	45.70	4.08	49.78	74.00	-24.22	peak
2		1042.500	39.87	4.08	43.95	54.00	-10.05	AVG
3		6397.500	38.12	11.06	49.18	74.00	-24.82	peak
4		6397.500	31.23	11.06	42.29	54.00	-11.71	AVG
5		9287.500	34.19	16.96	51.15	74.00	-22.85	peak
6	*	9287.500	28.84	16.96	45.80	54.00	-8.20	AVG
7		12305.00	32.20	18.17	50.37	74.00	-23.63	peak
8		12305.00	25.57	18.17	43.74	54.00	-10.26	AVG
9		14302.50	29.34	21.75	51.09	74.00	-22.91	peak
10		14302.50	22.31	21.75	44.06	54.00	-9.94	AVG
11		16980.00	27.94	22.76	50.70	74.00	-23.30	peak
12		16980.00	22.08	22.76	44.84	54.00	-9.16	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

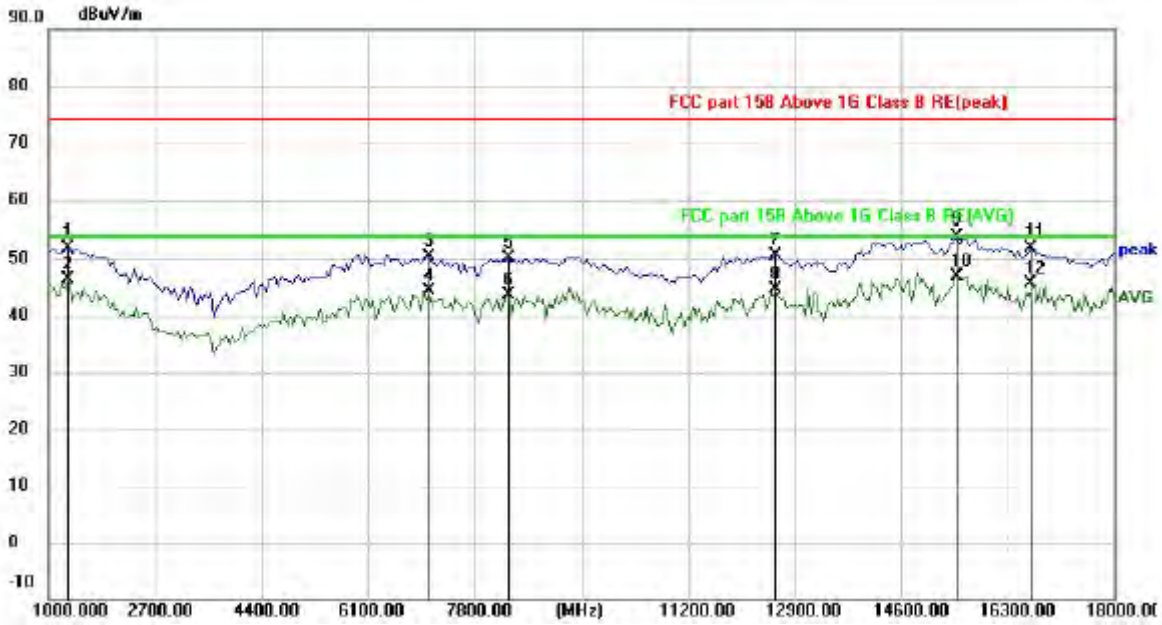
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5700MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1255.000	48.11	3.82	51.93	74.00	-22.07	peak
2		1255.000	41.58	3.82	45.40	54.00	-8.60	AVG
3		6780.000	38.85	11.68	50.53	74.00	-23.47	peak
4		6780.000	31.55	11.68	43.23	54.00	-10.77	AVG
5		8777.500	35.38	15.05	50.43	74.00	-23.57	peak
6		8777.500	27.99	15.05	43.04	54.00	-10.96	AVG
7		10902.50	30.43	16.81	47.24	74.00	-26.76	peak
8		10902.50	24.67	16.81	41.48	54.00	-12.52	AVG
9		13622.50	32.71	20.61	53.32	74.00	-20.68	peak
10	*	13622.50	25.19	20.61	45.80	54.00	-8.20	AVG
11		16427.50	28.09	22.75	50.84	74.00	-23.16	peak
12		16427.50	21.88	22.75	44.63	54.00	-9.37	AVG

Vertical:

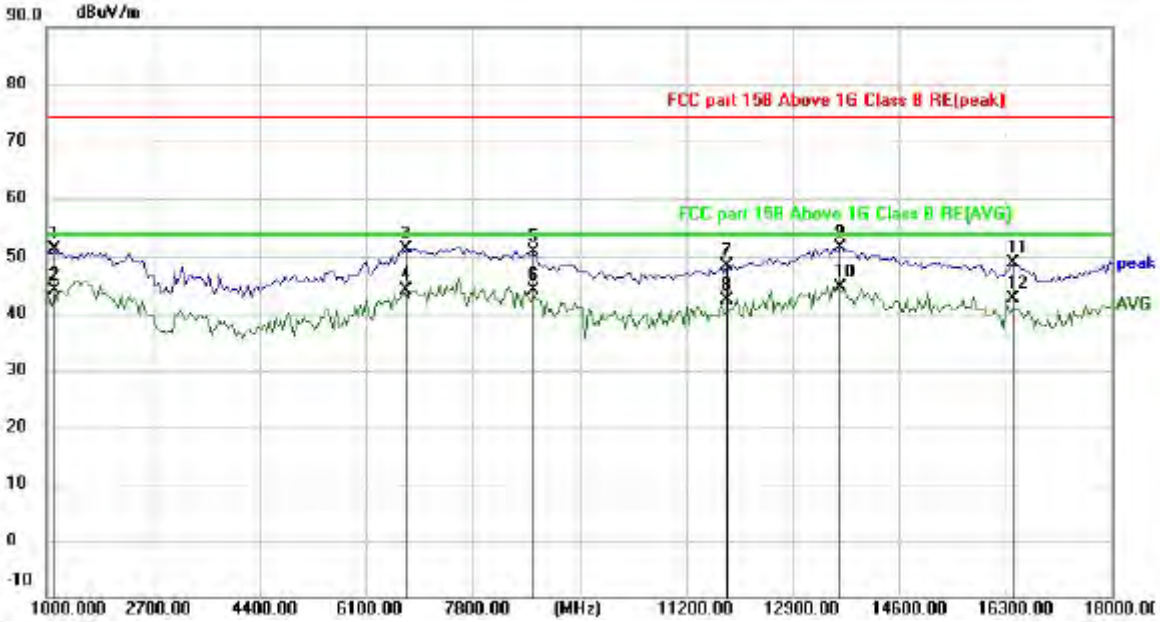


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	48.07	3.78	51.85	74.00	-22.15	peak
2		1297.500	42.67	3.78	46.45	54.00	-7.55	AVG
3		7077.500	38.20	12.23	50.43	74.00	-23.57	peak
4		7077.500	32.05	12.23	44.28	54.00	-9.72	AVG
5		8352.500	36.32	13.78	50.10	74.00	-23.90	peak
6		8352.500	29.92	13.78	43.70	54.00	-10.30	AVG
7		12602.50	32.23	18.44	50.67	74.00	-23.33	peak
8		12602.50	26.09	18.44	44.53	54.00	-9.47	AVG
9		15492.50	31.35	22.58	53.93	74.00	-20.07	peak
10	*	15492.50	24.37	22.58	46.95	54.00	-7.05	AVG
11		16682.50	29.15	22.84	51.99	74.00	-22.01	peak
12		16682.50	22.79	22.84	45.63	54.00	-8.37	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

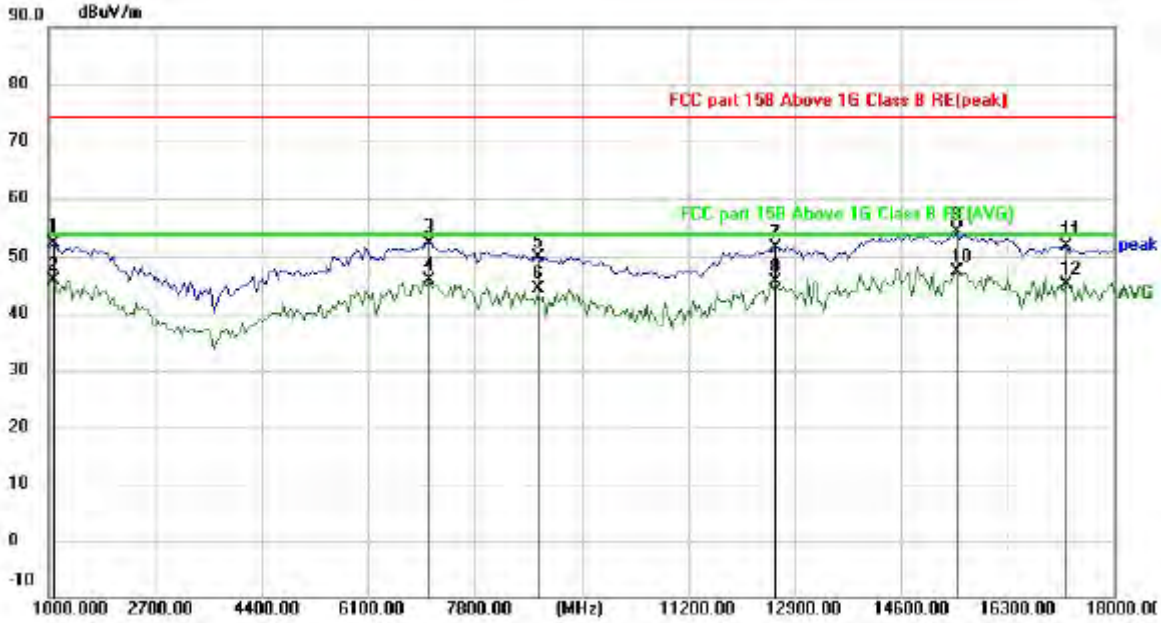
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5510MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	47.48	3.97	51.45	74.00	-22.55	peak
2		1127.500	40.20	3.97	44.17	54.00	-9.83	AVG
3		6737.500	39.86	11.61	51.47	74.00	-22.53	peak
4		6737.500	32.62	11.61	44.23	54.00	-9.77	AVG
5		8777.500	35.88	15.05	50.93	74.00	-23.07	peak
6		8777.500	28.98	15.05	44.03	54.00	-9.97	AVG
7		11837.50	30.71	17.70	48.41	74.00	-25.59	peak
8		11837.50	24.64	17.70	42.34	54.00	-11.66	AVG
9		13665.00	30.85	20.70	51.55	74.00	-22.45	peak
10	*	13665.00	23.94	20.70	44.64	54.00	-9.36	AVG
11		16427.50	26.09	22.75	48.84	74.00	-25.16	peak
12		16427.50	19.88	22.75	42.63	54.00	-11.37	AVG

Vertical:

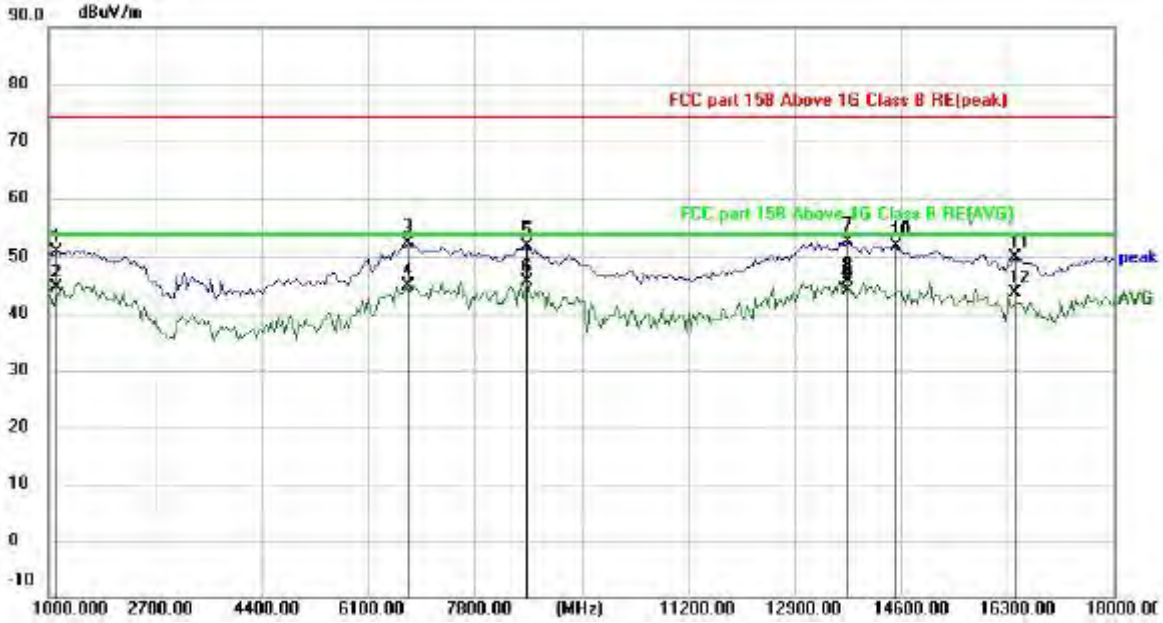


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	48.25	4.03	52.28	74.00	-21.72	peak
2		1085.000	41.92	4.03	45.95	54.00	-8.05	AVG
3		7077.500	40.20	12.23	52.43	74.00	-21.57	peak
4		7077.500	33.55	12.23	45.78	54.00	-8.22	AVG
5		8820.000	34.77	15.23	50.00	74.00	-24.00	peak
6		8820.000	29.07	15.23	44.30	54.00	-9.70	AVG
7		12602.50	33.23	18.44	51.67	74.00	-22.33	peak
8		12602.50	27.09	18.44	45.53	54.00	-8.47	AVG
9		15492.50	31.85	22.58	54.43	74.00	-19.57	peak
10	*	15492.50	24.74	22.58	47.32	54.00	-6.68	AVG
11		17235.00	27.70	24.28	51.98	74.00	-22.02	peak
12		17235.00	20.90	24.28	45.18	54.00	-8.82	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

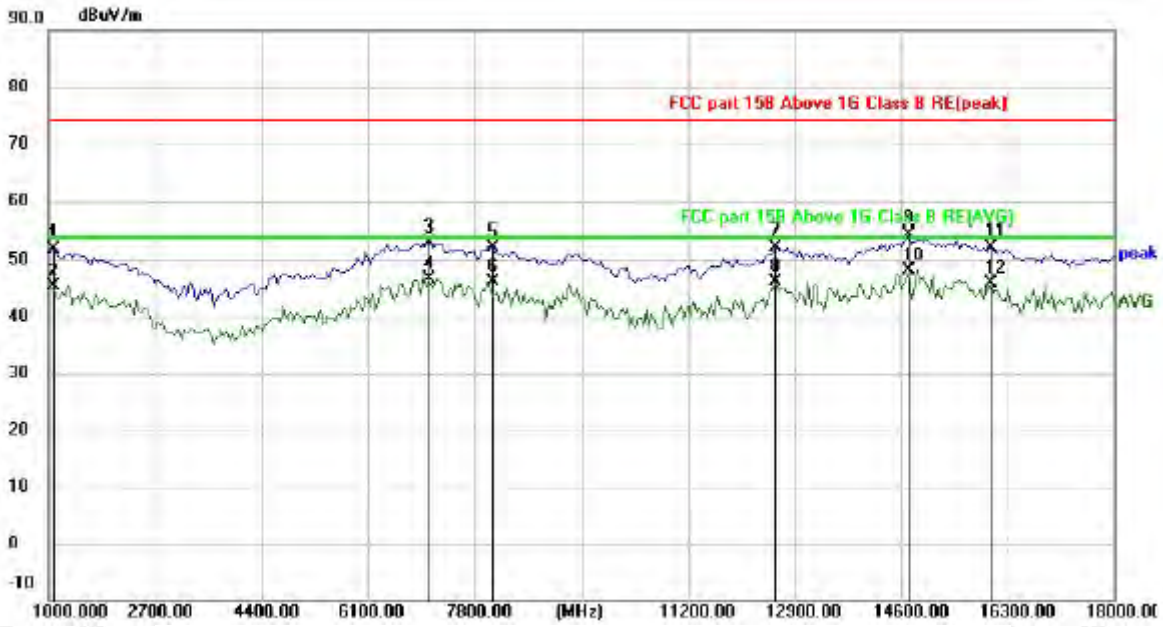
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5670MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	46.98	3.97	50.95	74.00	-23.05	peak
2		1127.500	40.56	3.97	44.53	54.00	-9.47	AVG
3		6737.500	40.86	11.61	52.47	74.00	-21.53	peak
4		6737.500	33.30	11.61	44.91	54.00	-9.09	AVG
5		8650.000	37.39	14.49	51.88	74.00	-22.12	peak
6		8650.000	31.04	14.49	45.53	54.00	-8.47	AVG
7		13750.00	31.76	20.86	52.62	74.00	-21.38	peak
8	*	13750.00	24.95	20.86	45.81	54.00	-8.19	AVG
9		13750.00	23.15	20.86	44.01	54.00	-9.99	AVG
10		14515.00	29.90	22.08	51.98	74.00	-22.02	peak
11		16427.50	27.09	22.75	49.84	74.00	-24.16	peak
12		16427.50	20.88	22.75	43.63	54.00	-10.37	AVG

Vertical:

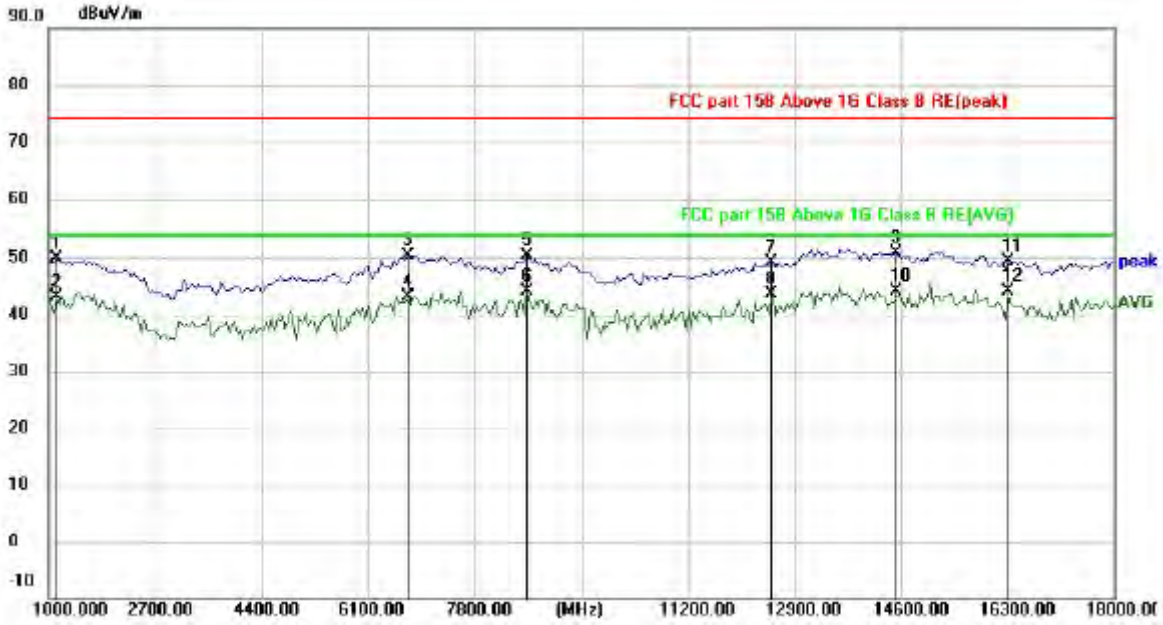


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	47.75	4.03	51.78	74.00	-22.22	peak
2		1085.000	41.24	4.03	45.27	54.00	-8.73	AVG
3		7077.500	40.70	12.23	52.93	74.00	-21.07	peak
4		7077.500	34.41	12.23	46.64	54.00	-7.36	AVG
5		8097.500	38.43	13.70	52.13	74.00	-21.87	peak
6		8097.500	32.55	13.70	46.25	54.00	-7.75	AVG
7		12602.50	33.73	18.44	52.17	74.00	-21.83	peak
8		12602.50	27.59	18.44	46.03	54.00	-7.97	AVG
9		14727.50	31.76	22.54	54.30	74.00	-19.70	peak
10	*	14727.50	25.52	22.54	48.06	54.00	-5.94	AVG
11		16045.00	30.16	21.99	52.15	74.00	-21.85	peak
12		16045.00	23.90	21.99	45.89	54.00	-8.11	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

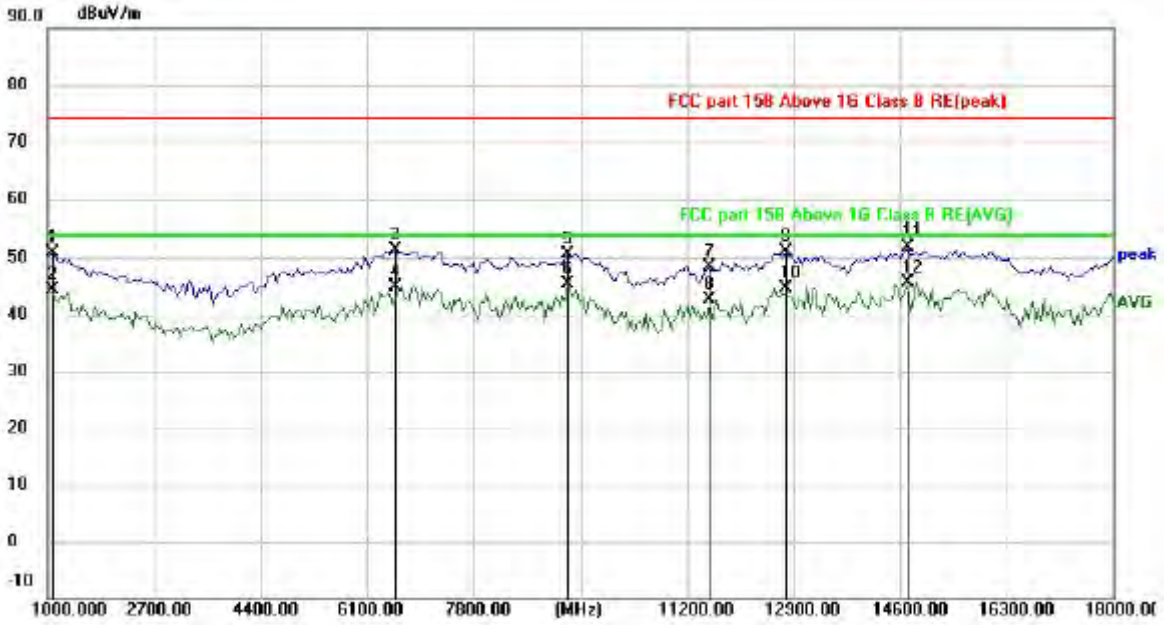
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac80)-5530MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1127.500	45.98	3.97	49.95	74.00	-24.05	peak
2		1127.500	39.20	3.97	43.17	54.00	-10.83	AVG
3		6737.500	38.86	11.61	50.47	74.00	-23.53	peak
4		6737.500	31.62	11.61	43.23	54.00	-10.77	AVG
5		8650.000	35.89	14.49	50.38	74.00	-23.62	peak
6		8650.000	29.54	14.49	44.03	54.00	-9.97	AVG
7		12517.50	30.52	18.67	49.19	74.00	-24.81	peak
8		12517.50	24.90	18.67	43.57	54.00	-10.43	AVG
9		14515.00	28.90	22.08	50.98	74.00	-23.02	peak
10	*	14515.00	22.06	22.08	44.14	54.00	-9.86	AVG
11		16300.00	26.99	22.50	49.49	74.00	-24.51	peak
12		16300.00	21.63	22.50	44.13	54.00	-9.87	AVG

Vertical:

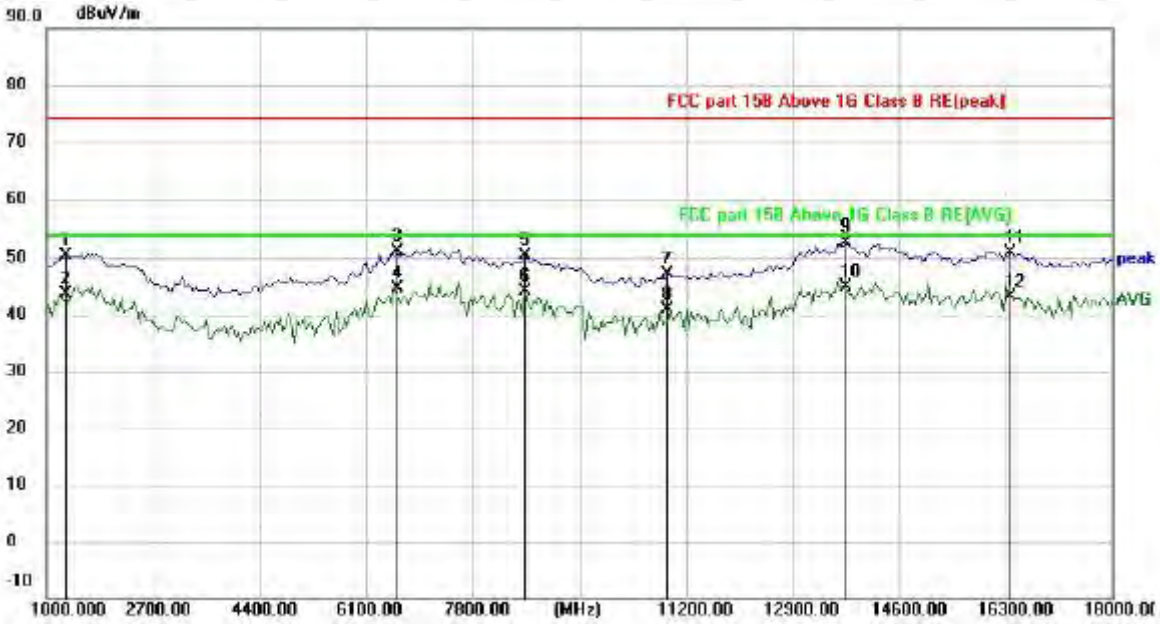


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.75	4.03	50.78	74.00	-23.22	peak
2		1085.000	40.24	4.03	44.27	54.00	-9.73	AVG
3		6567.500	39.95	11.34	51.29	74.00	-22.71	peak
4		6567.500	33.51	11.34	44.85	54.00	-9.15	AVG
5		9287.500	33.69	16.96	50.65	74.00	-23.35	peak
6		9287.500	28.34	16.96	45.30	54.00	-8.70	AVG
7		11540.00	30.89	17.49	48.38	74.00	-25.62	peak
8		11540.00	25.24	17.49	42.73	54.00	-11.27	AVG
9		12772.50	32.57	18.50	51.07	74.00	-22.93	peak
10		12772.50	26.03	18.50	44.53	54.00	-9.47	AVG
11		14727.50	29.26	22.54	51.80	74.00	-22.20	peak
12	*	14727.50	23.02	22.54	45.56	54.00	-8.44	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

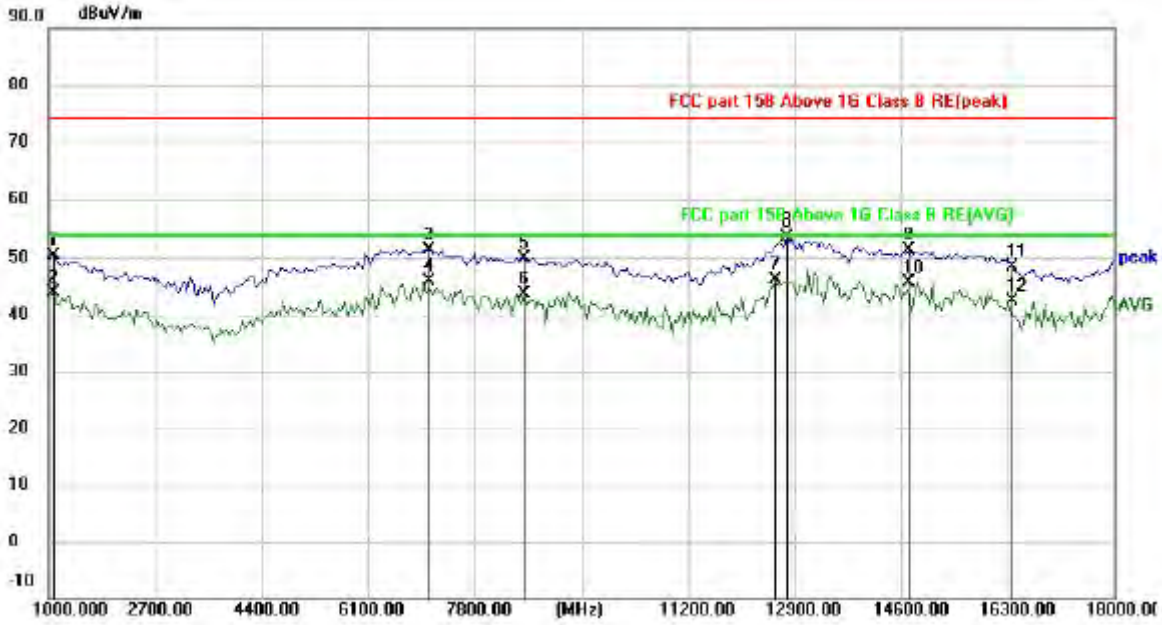
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5745MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	46.71	3.78	50.49	74.00	-23.51	peak
2		1297.500	39.75	3.78	43.53	54.00	-10.47	AVG
3		6610.000	39.82	11.41	51.23	74.00	-22.77	peak
4		6610.000	33.32	11.41	44.73	54.00	-9.27	AVG
5		8650.000	35.89	14.49	50.38	74.00	-23.62	peak
6		8650.000	29.54	14.49	44.03	54.00	-9.97	AVG
7		10902.50	30.43	16.81	47.24	74.00	-26.76	peak
8		10902.50	24.16	16.81	40.97	54.00	-13.03	AVG
9		13750.00	31.76	20.86	52.62	74.00	-21.38	peak
10	*	13750.00	23.99	20.86	44.85	54.00	-9.15	AVG
11		16385.00	28.27	22.67	50.94	74.00	-23.06	peak
12		16385.00	20.52	22.67	43.19	54.00	-10.81	AVG

Vertical:

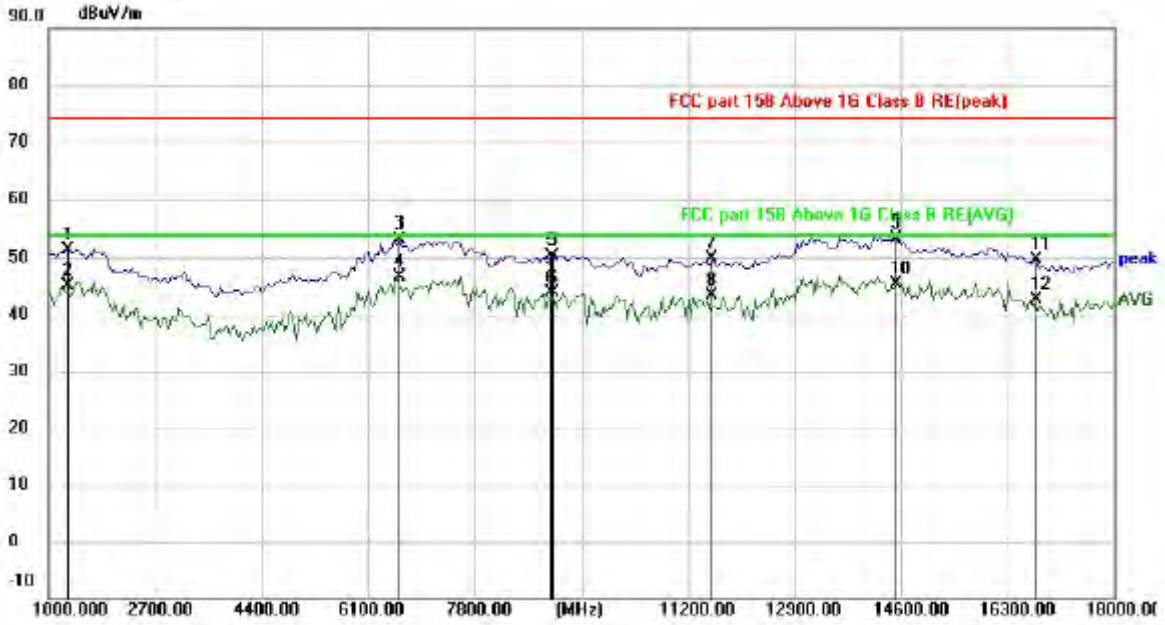


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.25	4.03	50.28	74.00	-23.72	peak
2		1085.000	39.74	4.03	43.77	54.00	-10.23	AVG
3		7077.500	39.20	12.23	51.43	74.00	-22.57	peak
4		7077.500	33.55	12.23	45.78	54.00	-8.22	AVG
5		8607.500	35.56	14.30	49.86	74.00	-24.14	peak
6		8607.500	29.32	14.30	43.62	54.00	-10.38	AVG
7	*	12602.50	27.59	18.44	46.03	54.00	-7.97	AVG
8		12772.50	35.07	18.50	53.57	74.00	-20.43	peak
9		14727.50	28.76	22.54	51.30	74.00	-22.70	peak
10		14727.50	23.02	22.54	45.56	54.00	-8.44	AVG
11		16385.00	25.63	22.67	48.30	74.00	-25.70	peak
12		16385.00	19.83	22.67	42.50	54.00	-11.50	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

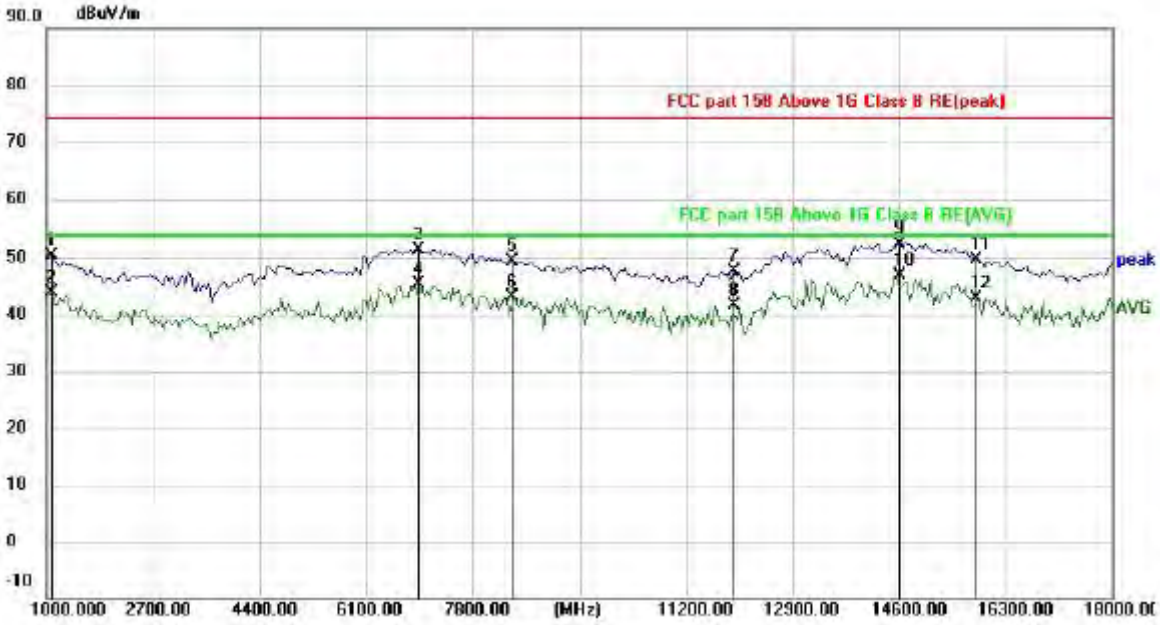
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac20)-5825MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	47.71	3.78	51.49	74.00	-22.51	peak
2		1297.500	41.25	3.78	45.03	54.00	-8.97	AVG
3		6610.000	41.82	11.41	53.23	74.00	-20.77	peak
4	*	6610.000	35.32	11.41	46.73	54.00	-7.27	AVG
5		9032.500	34.27	16.13	50.40	74.00	-23.60	peak
6		9032.500	27.64	16.13	43.77	54.00	-10.23	AVG
7		11582.50	32.27	17.52	49.79	74.00	-24.21	peak
8		11582.50	25.82	17.52	43.34	54.00	-10.66	AVG
9		14515.00	31.40	22.08	53.48	74.00	-20.52	peak
10		14515.00	23.42	22.08	45.50	54.00	-8.50	AVG
11		16767.50	26.80	22.82	49.62	74.00	-24.38	peak
12		16767.50	19.69	22.82	42.51	54.00	-11.49	AVG

Vertical:

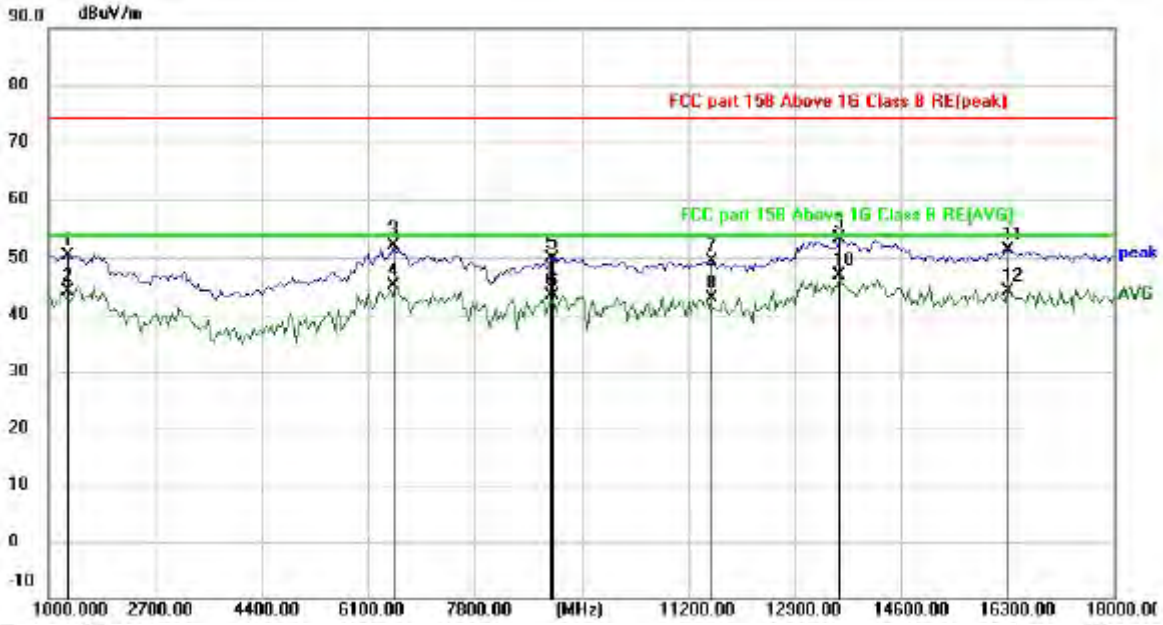


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1085.000	46.25	4.03	50.28	74.00	-23.72	peak
2		1085.000	39.74	4.03	43.77	54.00	-10.23	AVG
3		6950.000	39.47	11.96	51.43	74.00	-22.57	peak
4		6950.000	33.32	11.96	45.28	54.00	-8.72	AVG
5		8437.500	35.63	13.81	49.44	74.00	-24.56	peak
6		8437.500	29.44	13.81	43.25	54.00	-10.75	AVG
7		11965.00	29.81	17.78	47.59	74.00	-26.41	peak
8		11965.00	23.95	17.78	41.73	54.00	-12.27	AVG
9		14600.00	30.02	22.27	52.29	74.00	-21.71	peak
10	*	14600.00	24.68	22.27	46.95	54.00	-7.05	AVG
11		15832.50	27.62	22.12	49.74	74.00	-24.26	peak
12		15832.50	20.77	22.12	42.89	54.00	-11.11	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

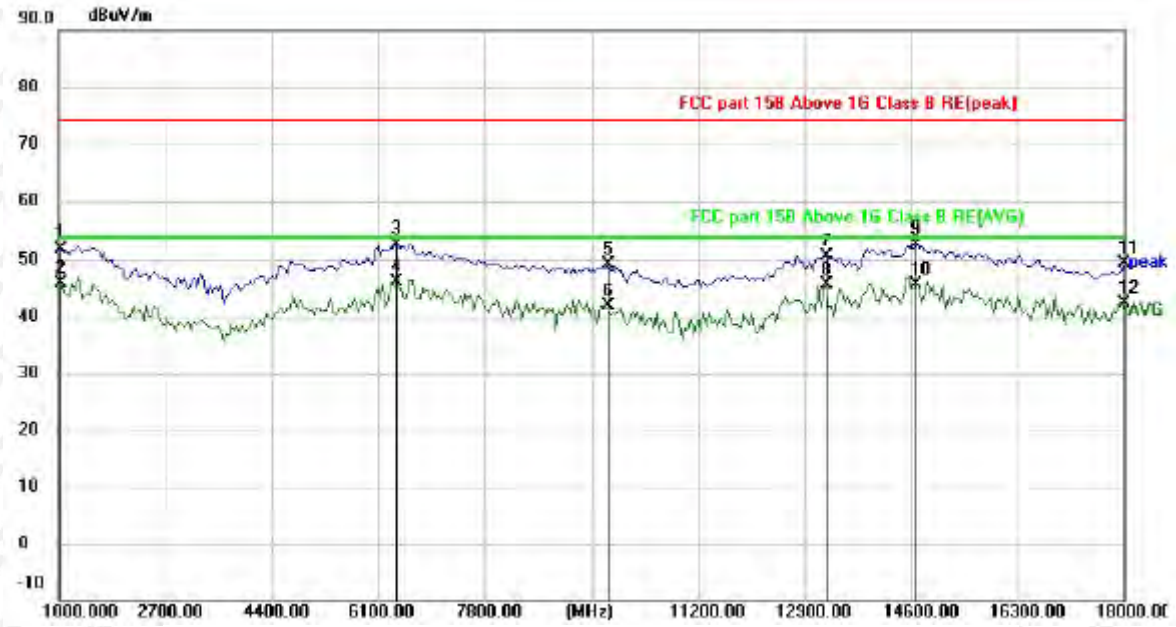
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5755MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	46.71	3.78	50.49	74.00	-23.51	peak
2		1297.500	40.25	3.78	44.03	54.00	-9.97	AVG
3		6525.000	40.75	11.27	52.02	74.00	-21.98	peak
4		6525.000	33.96	11.27	45.23	54.00	-8.77	AVG
5		9032.500	33.77	16.13	49.90	74.00	-24.10	peak
6		9032.500	27.14	16.13	43.27	54.00	-10.73	AVG
7		11582.50	31.77	17.52	49.29	74.00	-24.71	peak
8		11582.50	25.32	17.52	42.84	54.00	-11.16	AVG
9		13622.50	32.71	20.61	53.32	74.00	-20.68	peak
10	*	13622.50	26.20	20.61	46.81	54.00	-7.19	AVG
11		16300.00	28.99	22.50	51.49	74.00	-22.51	peak
12		16300.00	21.69	22.50	44.19	54.00	-9.81	AVG

Vertical:

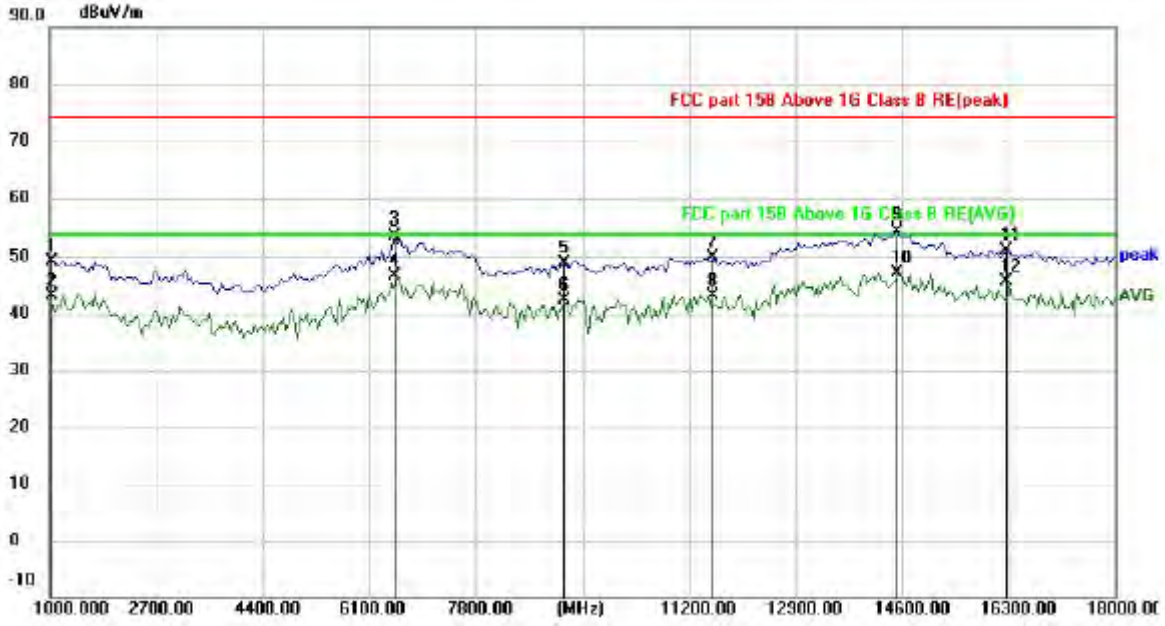


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1042.500	47.70	4.08	51.78	74.00	-22.22	peak
2		1042.500	41.70	4.08	45.78	54.00	-8.22	AVG
3		6397.500	41.62	11.06	52.68	74.00	-21.32	peak
4	*	6397.500	35.07	11.06	46.13	54.00	-7.87	AVG
5		9755.000	31.79	17.44	49.23	74.00	-24.77	peak
6		9755.000	24.51	17.44	41.95	54.00	-12.05	AVG
7		13240.00	31.22	19.44	50.66	74.00	-23.34	peak
8		13240.00	26.28	19.44	45.72	54.00	-8.28	AVG
9		14685.00	30.16	22.45	52.61	74.00	-21.39	peak
10		14685.00	23.09	22.45	45.54	54.00	-8.46	AVG
11		18000.00	22.57	26.90	49.47	74.00	-24.53	peak
12		18000.00	15.51	26.90	42.41	54.00	-11.59	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

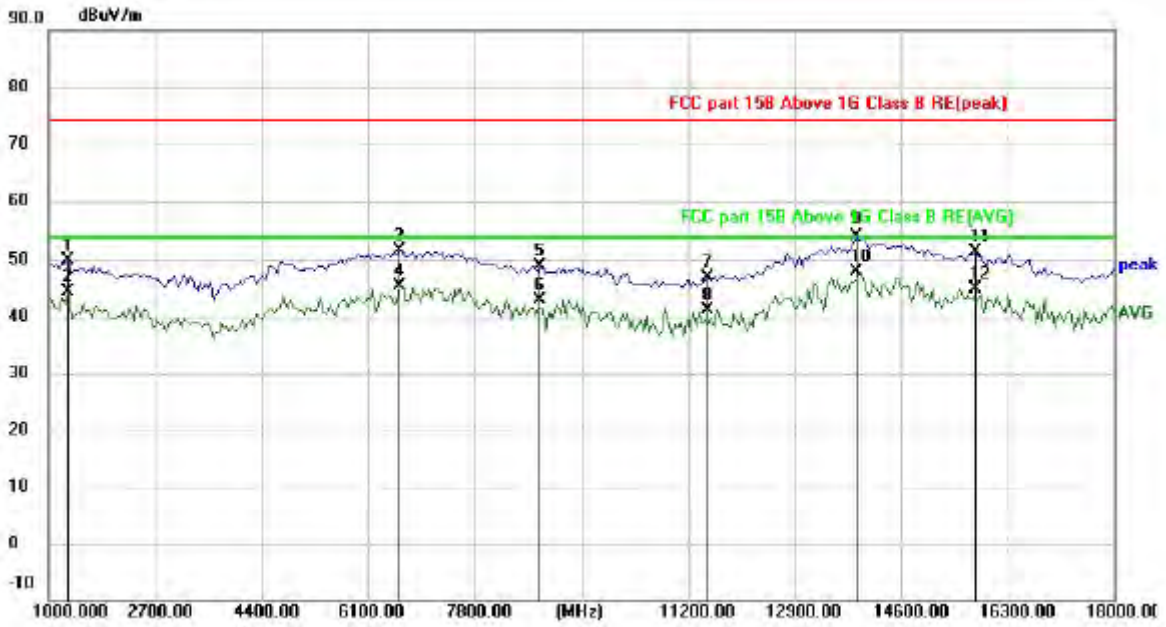
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac40)-5795MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1042.500	45.18	4.06	49.24	74.00	-24.76	peak
2		1042.500	38.97	4.06	43.03	54.00	-10.97	AVG
3		6525.000	42.25	11.27	53.52	74.00	-20.48	peak
4		6525.000	35.46	11.27	46.73	54.00	-7.27	AVG
5		9202.500	32.19	16.68	48.87	74.00	-25.13	peak
6		9202.500	25.79	16.68	42.47	54.00	-11.53	AVG
7		11582.50	32.27	17.52	49.79	74.00	-24.21	peak
8		11582.50	25.62	17.52	43.14	54.00	-10.86	AVG
9		14515.00	32.40	22.08	54.48	74.00	-19.52	peak
10	*	14515.00	25.06	22.08	47.14	54.00	-6.86	AVG
11		16257.50	28.63	22.41	51.04	74.00	-22.96	peak
12		16257.50	23.22	22.41	45.63	54.00	-8.37	AVG

Vertical:

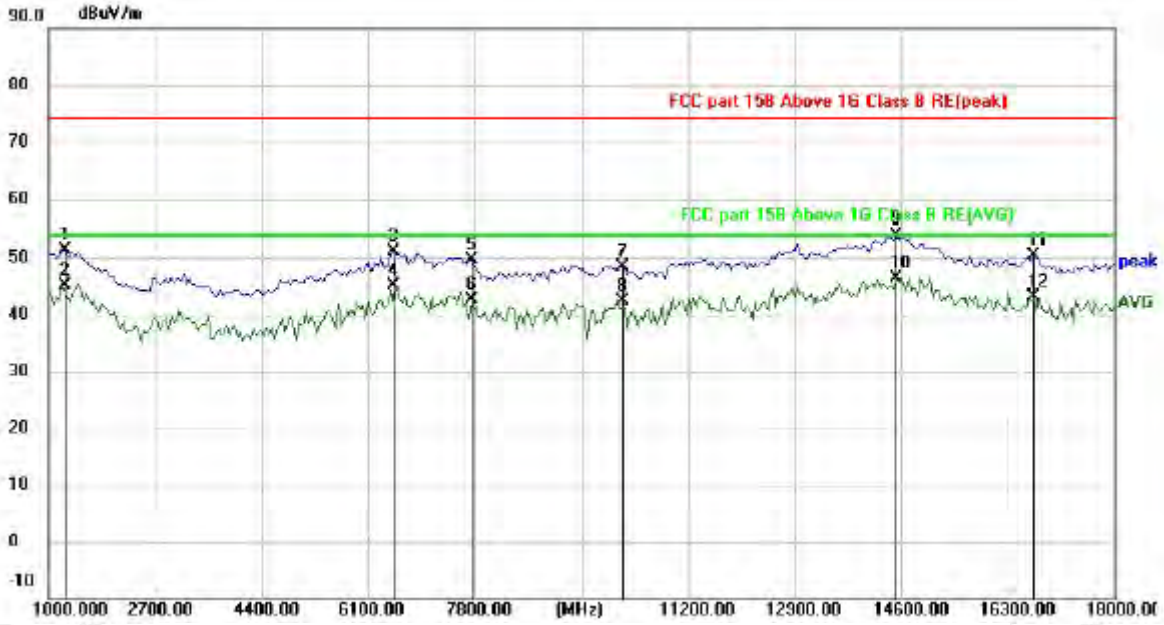


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	46.07	3.78	49.85	74.00	-24.15	peak
2		1297.500	40.67	3.78	44.45	54.00	-9.55	AVG
3		6610.000	40.22	11.41	51.63	74.00	-22.37	peak
4		6610.000	33.94	11.41	45.35	54.00	-8.65	AVG
5		8862.500	33.49	15.42	48.91	74.00	-25.09	peak
6		8862.500	27.38	15.42	42.80	54.00	-11.20	AVG
7		11497.50	29.43	17.46	46.89	74.00	-27.11	peak
8		11497.50	23.77	17.46	41.23	54.00	-12.77	AVG
9		13877.50	33.14	21.07	54.21	74.00	-19.79	peak
10	*	13877.50	26.91	21.07	47.98	54.00	-6.02	AVG
11		15790.00	29.11	22.18	51.29	74.00	-22.71	peak
12		15790.00	22.64	22.18	44.82	54.00	-9.18	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

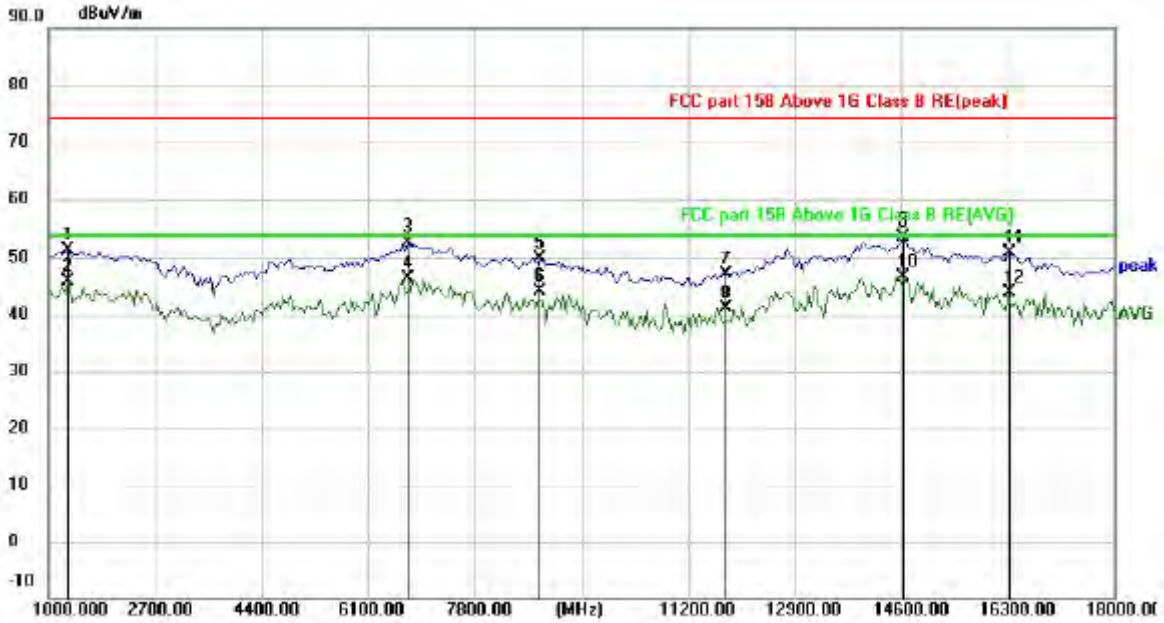
1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

Modulation : 802.11(ac80)-5775MHz/ (ANT1+ANT2) (the worst data):
Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1255.000	47.61	3.82	51.43	74.00	-22.57	peak
2		1255.000	41.21	3.82	45.03	54.00	-8.97	AVG
3		6525.000	39.75	11.27	51.02	74.00	-22.98	peak
4		6525.000	33.96	11.27	45.23	54.00	-8.77	AVG
5		7757.500	36.21	13.48	49.69	74.00	-24.31	peak
6		7757.500	29.09	13.48	42.57	54.00	-11.43	AVG
7		10137.50	31.46	16.91	48.37	74.00	-25.63	peak
8		10137.50	25.50	16.91	42.41	54.00	-11.59	AVG
9		14515.00	31.90	22.08	53.98	74.00	-20.02	peak
10	*	14515.00	24.26	22.08	46.34	54.00	-7.66	AVG
11		16725.00	27.63	22.83	50.46	74.00	-23.54	peak
12		16725.00	20.36	22.83	43.19	54.00	-10.81	AVG

Vertical:



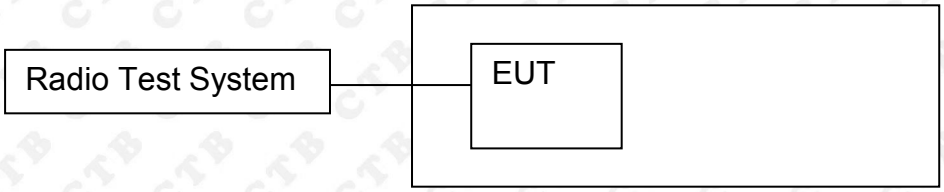
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1297.500	47.57	3.78	51.35	74.00	-22.65	peak
2		1297.500	42.17	3.78	45.95	54.00	-8.05	AVG
3		6737.500	40.92	11.61	52.53	74.00	-21.47	peak
4		6737.500	34.67	11.61	46.28	54.00	-7.72	AVG
5		8862.500	34.49	15.42	49.91	74.00	-24.09	peak
6		8862.500	28.59	15.42	44.01	54.00	-9.99	AVG
7		11795.00	29.54	17.67	47.21	74.00	-26.79	peak
8		11795.00	23.57	17.67	41.24	54.00	-12.76	AVG
9		14642.50	31.15	22.36	53.51	74.00	-20.49	peak
10	*	14642.50	24.18	22.36	46.54	54.00	-7.46	AVG
11		16342.50	28.21	22.58	50.79	74.00	-23.21	peak
12		16342.50	21.42	22.58	44.00	54.00	-10.00	AVG

Remark: Factor = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

1.The margin of 18GHz-40GHz measurement exceeds 10dB, so the test chart is not included.

8. BAND EDGE

8.1 Block Diagram Of Test Setup



8.2 Limit

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.
(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

8.3 Test procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

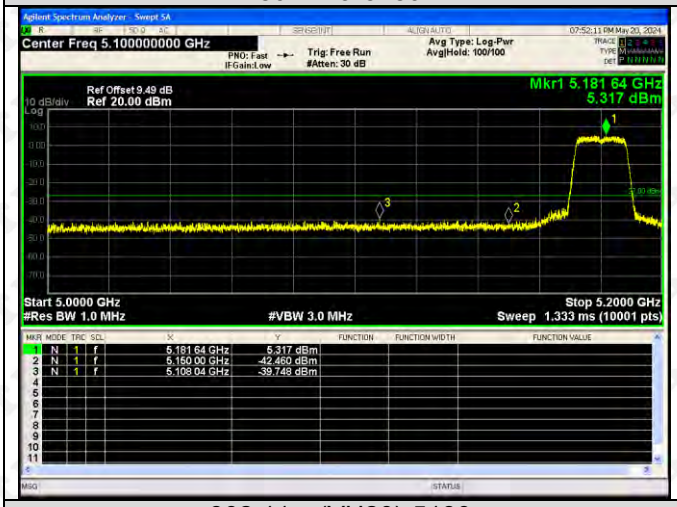
8.4 Test Result

Test Graph

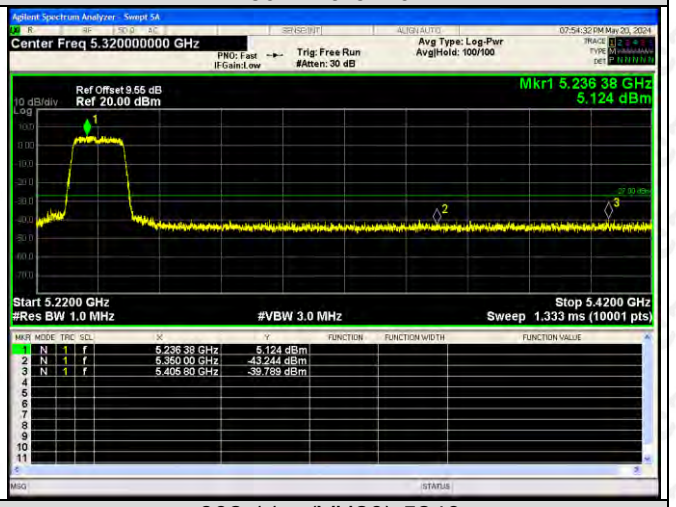
5150-5250MHz:

ANT 1

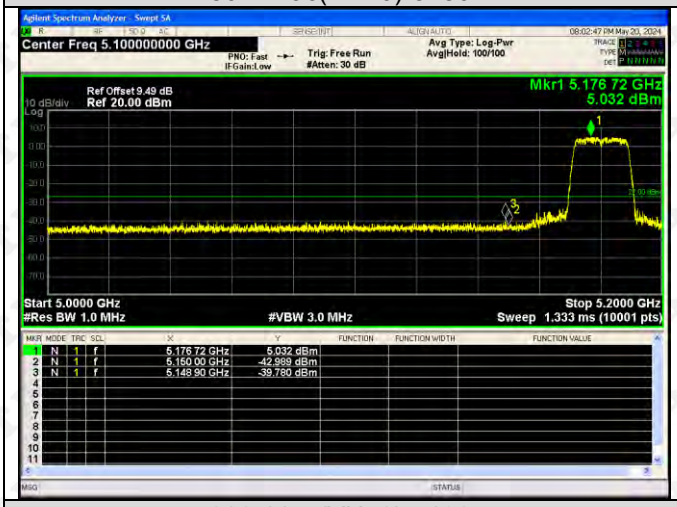
802.11a-5180



802.11a-5240



802.11ac(VH20)-5180



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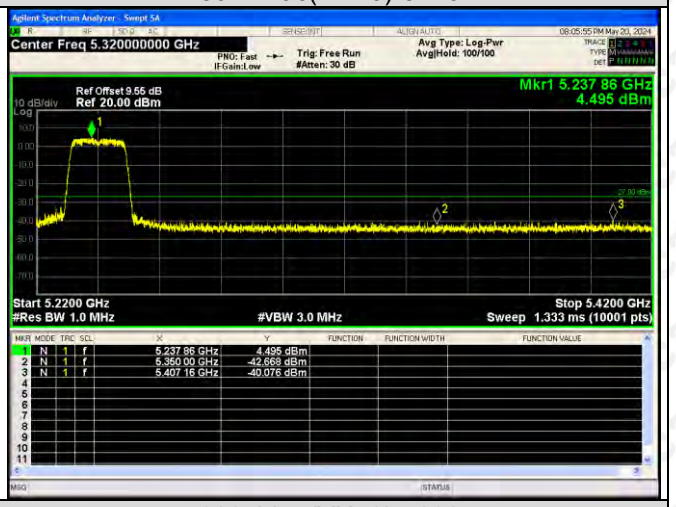

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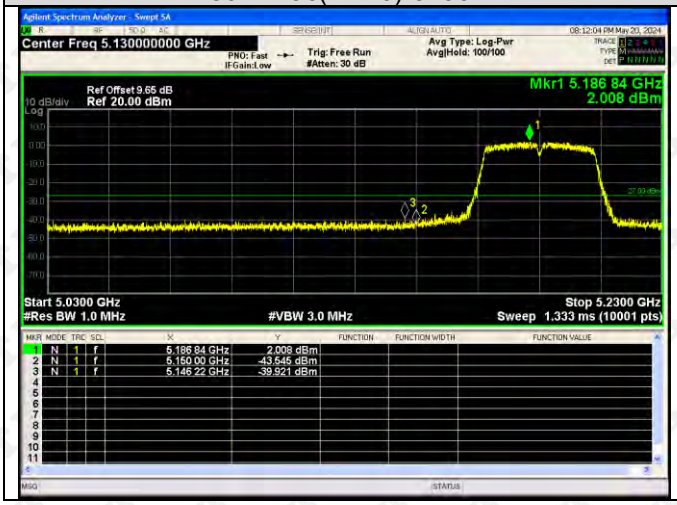

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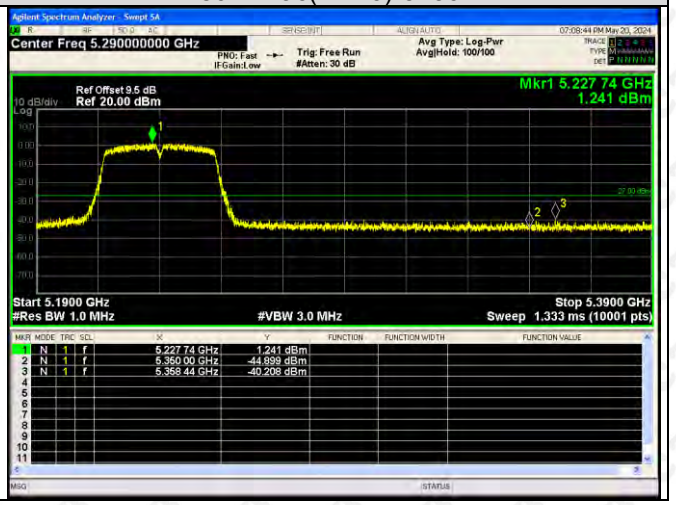

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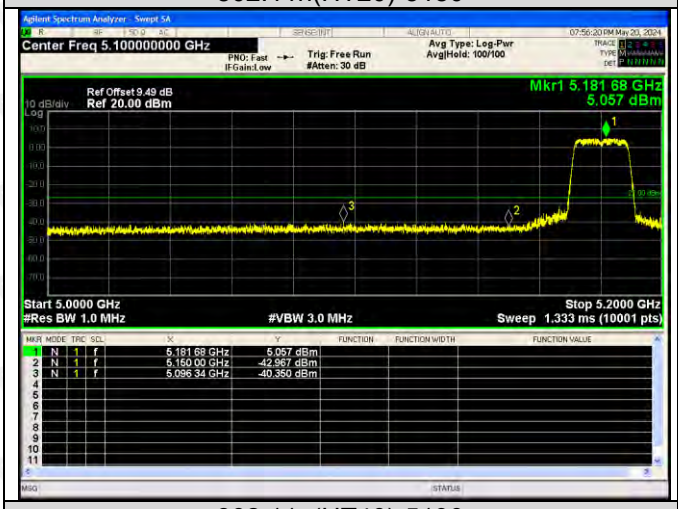

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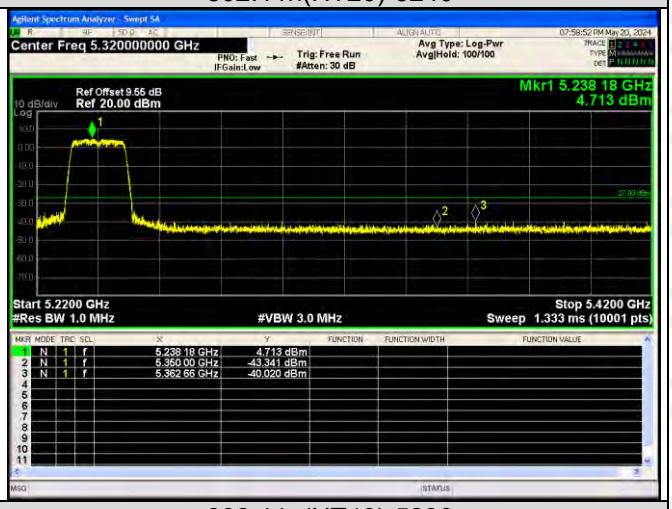

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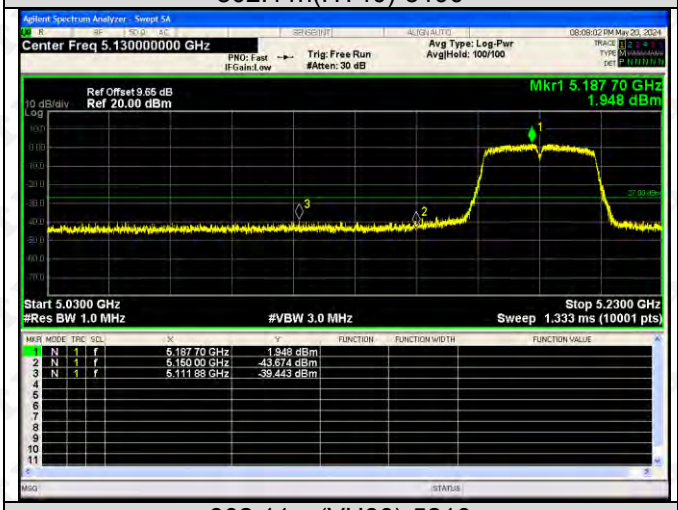

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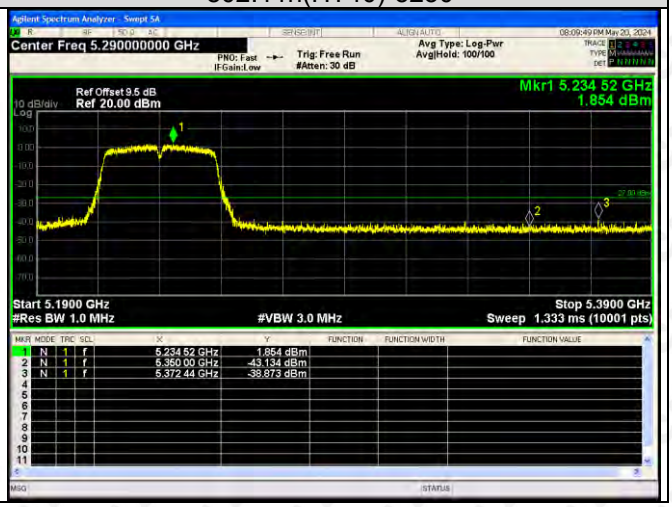

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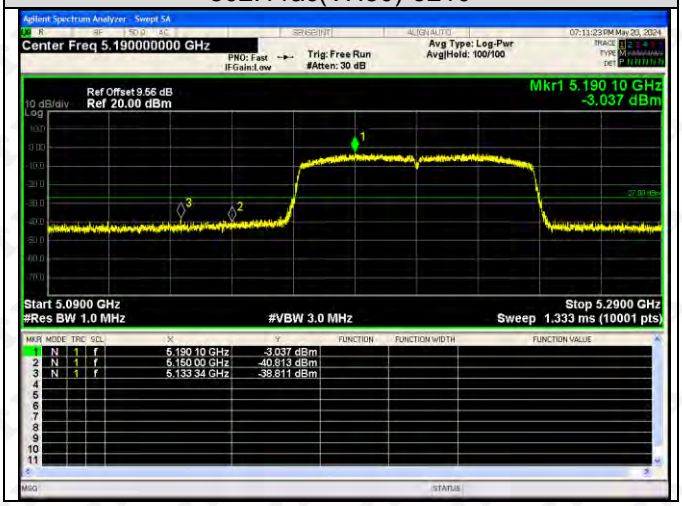
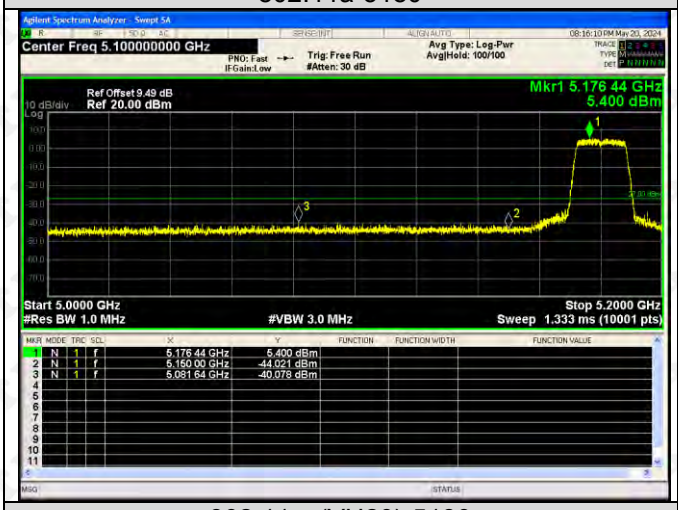
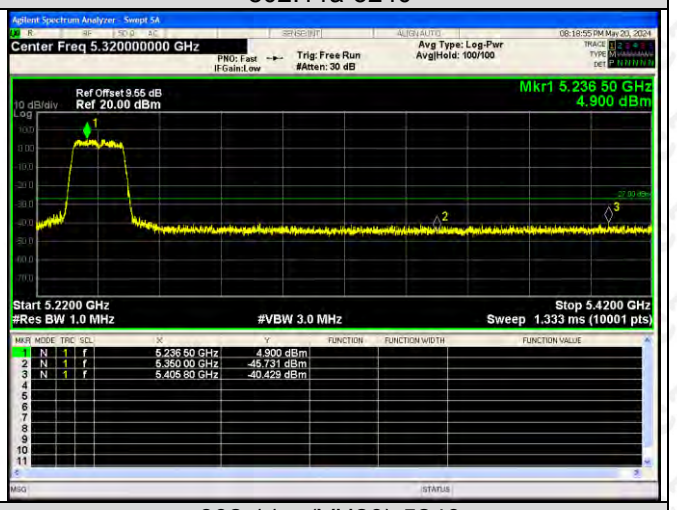


ANT 2

802.11a-5180



802.11a-5240



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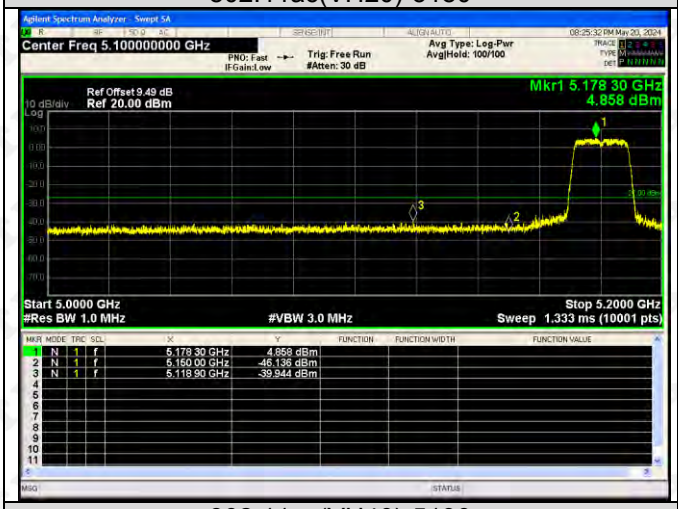

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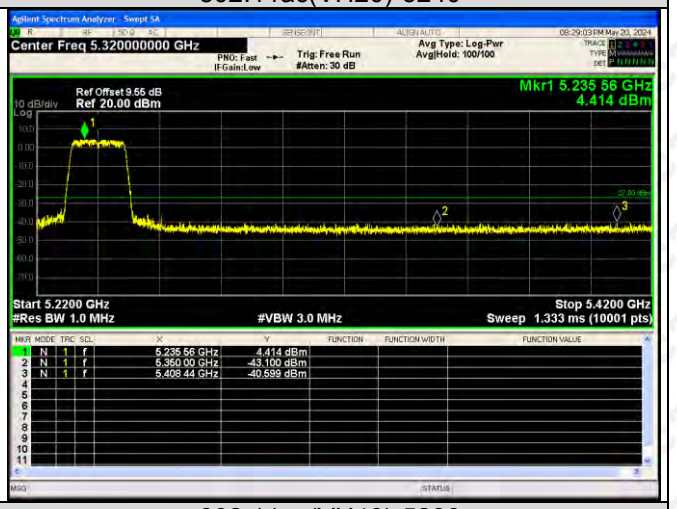

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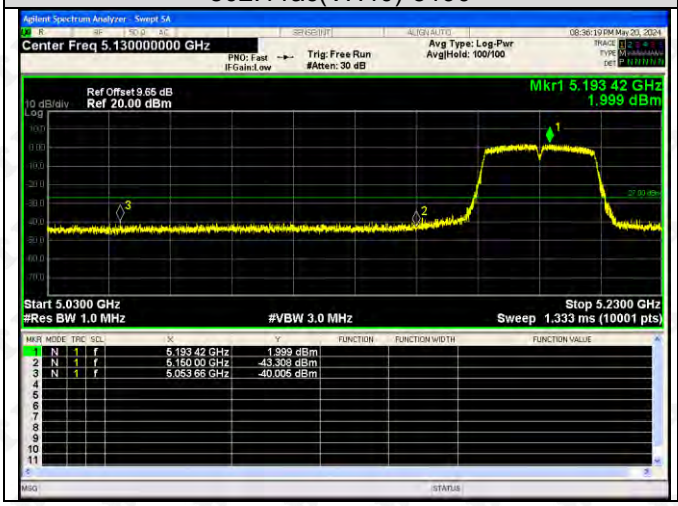

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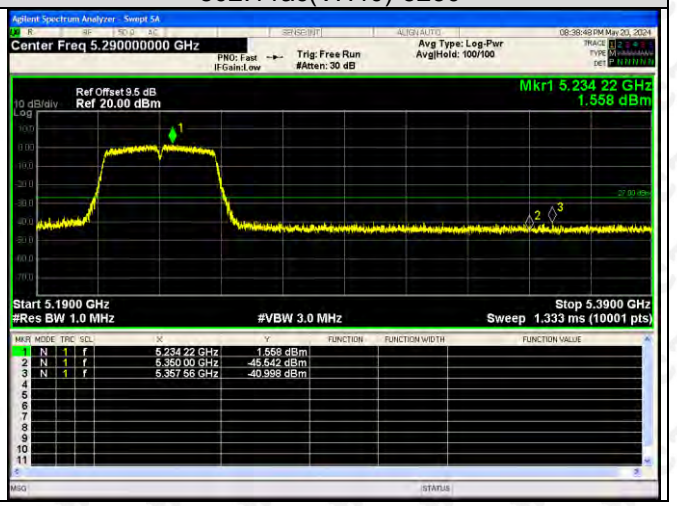

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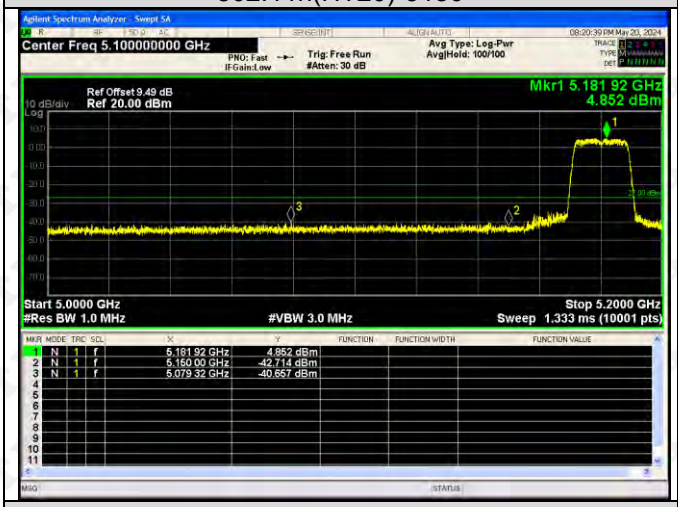

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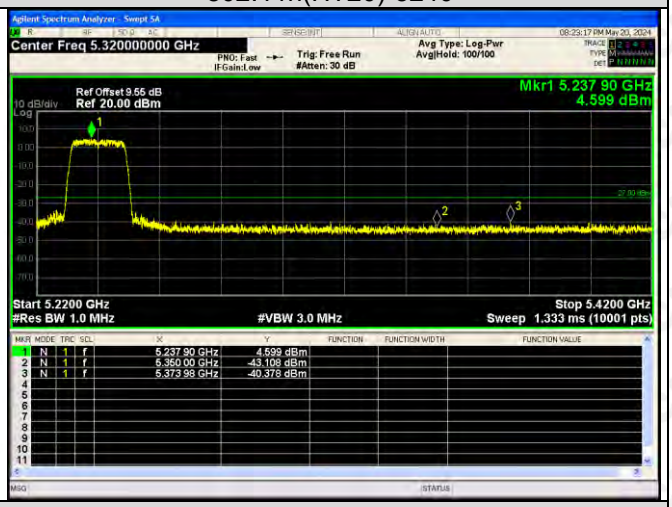

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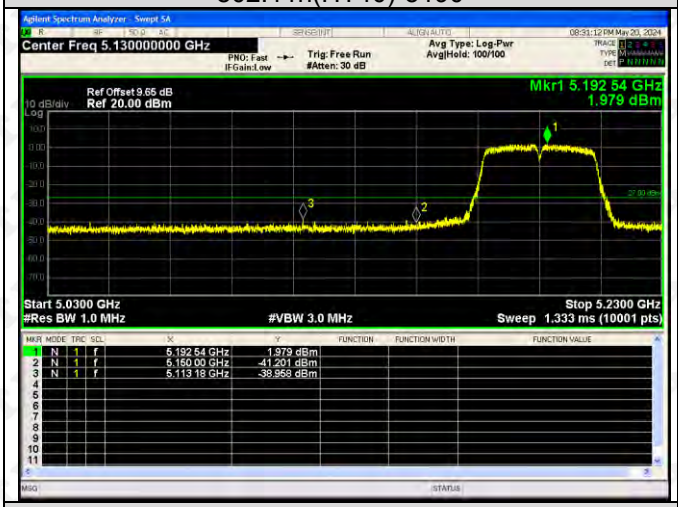

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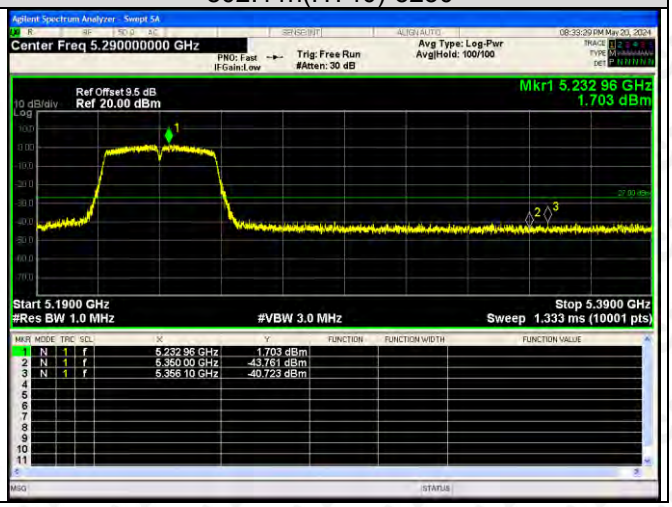

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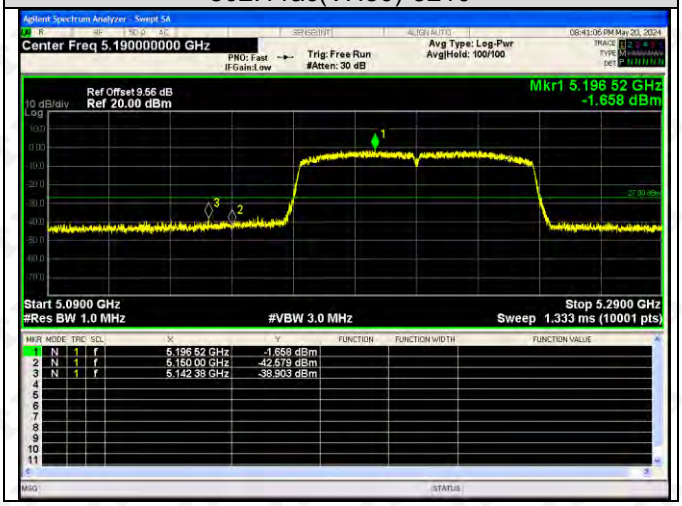
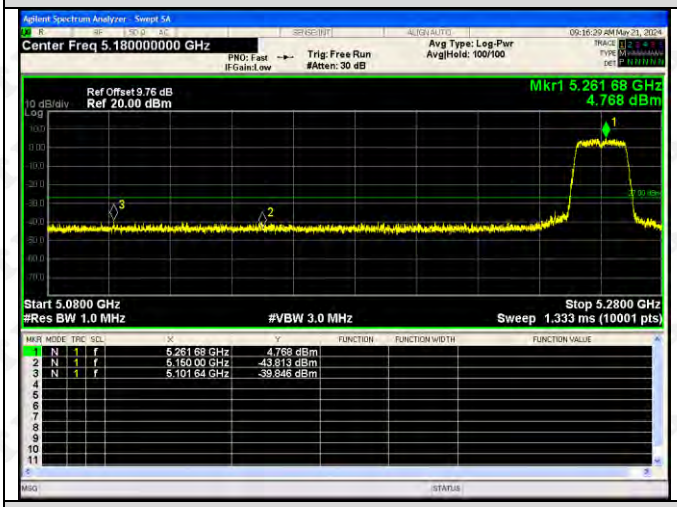
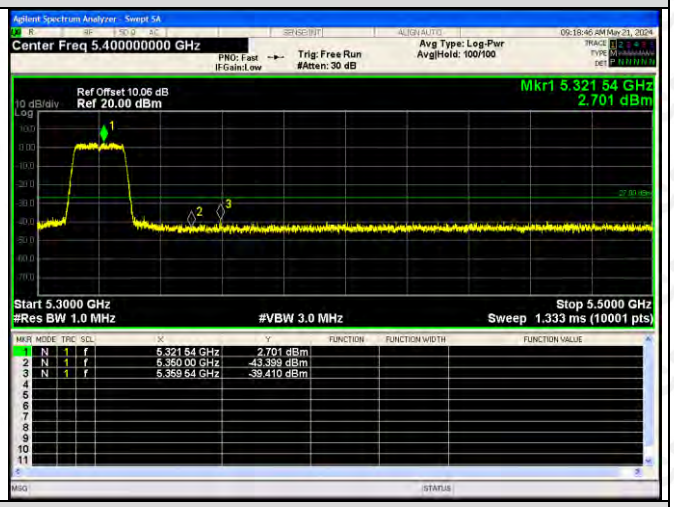


5250-5350MHz:
ANT1

802.11a-5260	802.11a-5320
	
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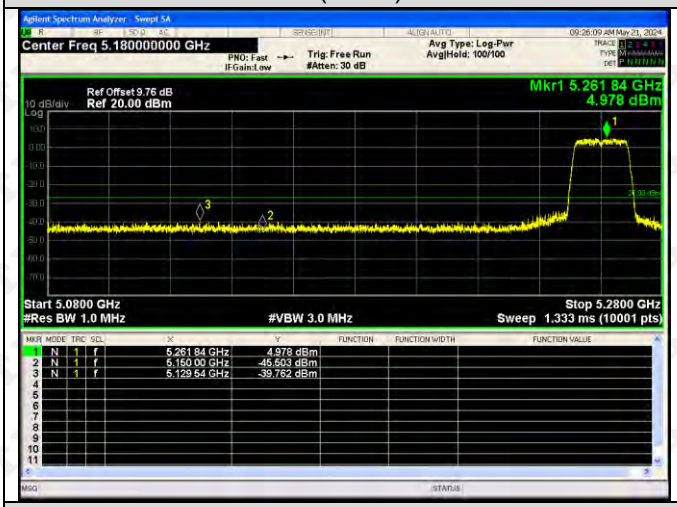	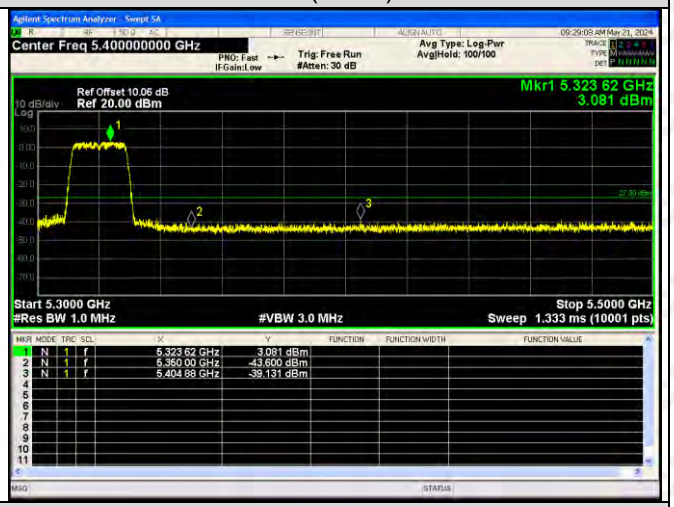
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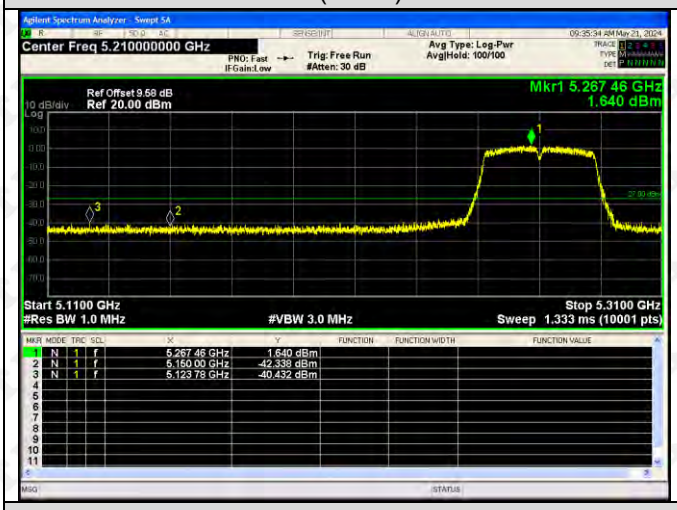	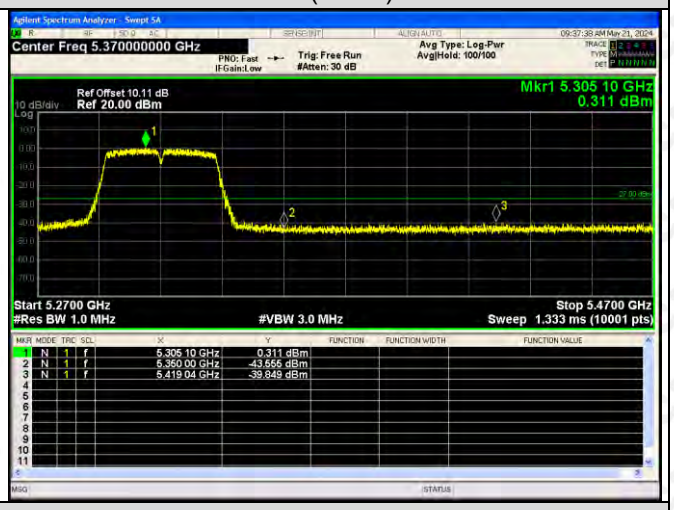
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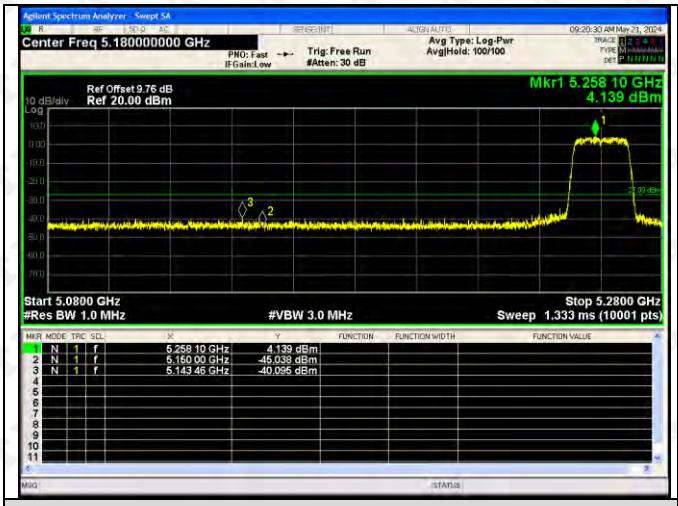

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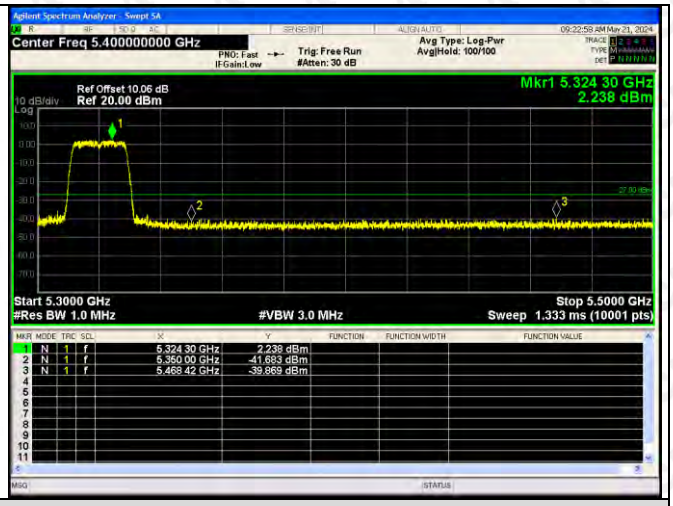

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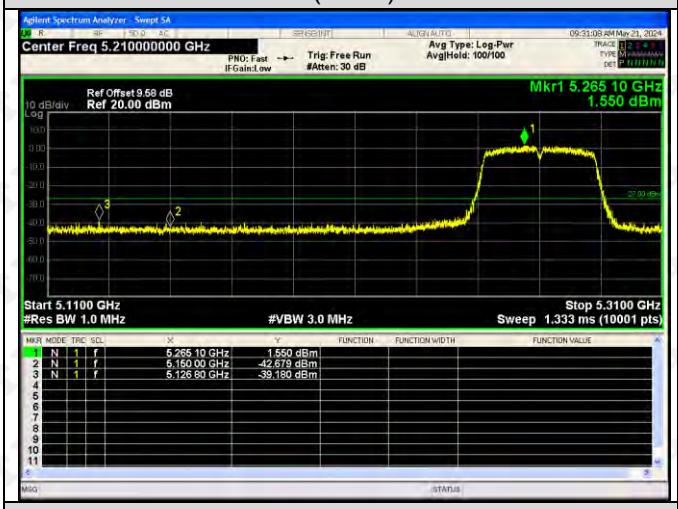

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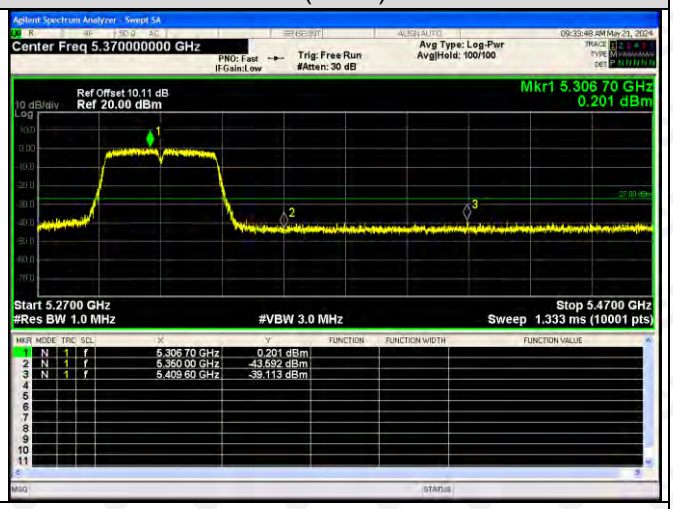
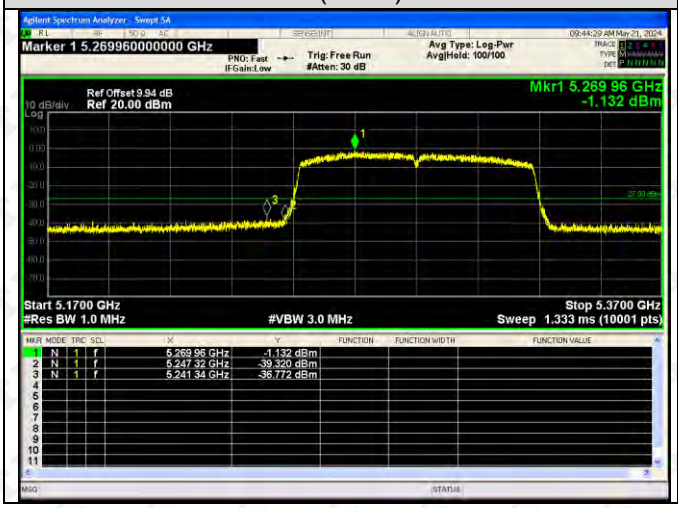
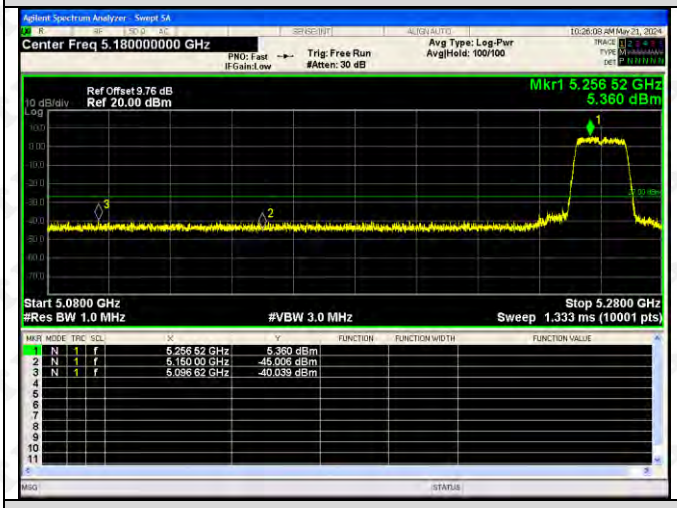
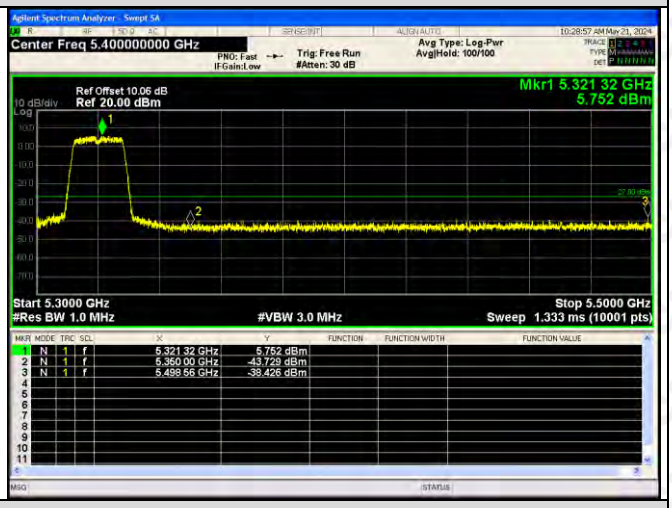




ANT2

802.11a-5260	802.11a-5320
	
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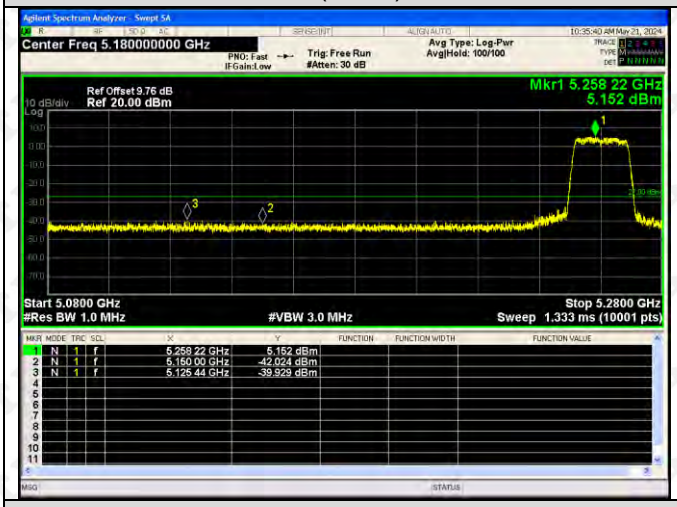	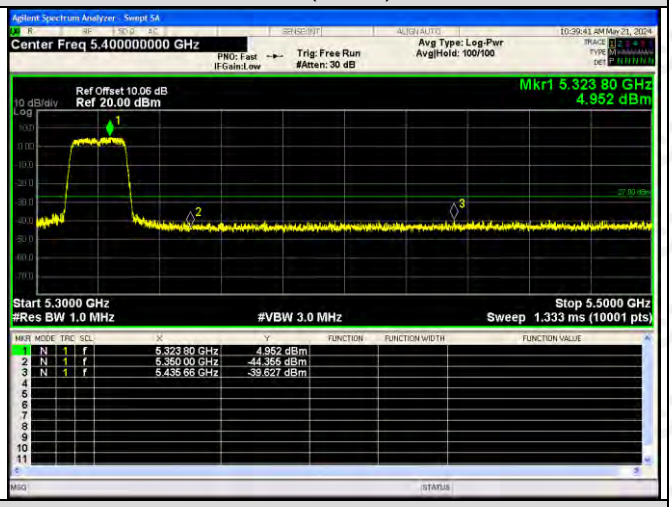
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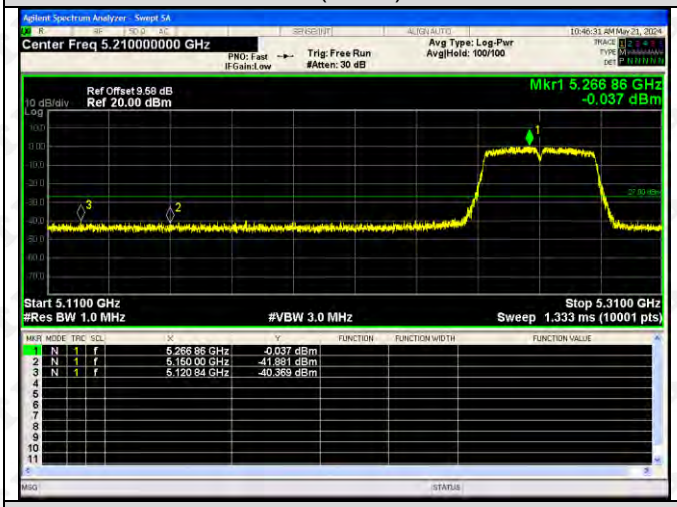	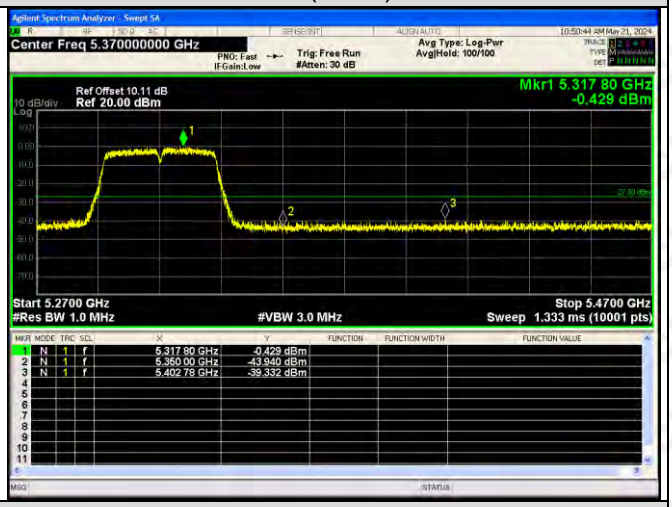
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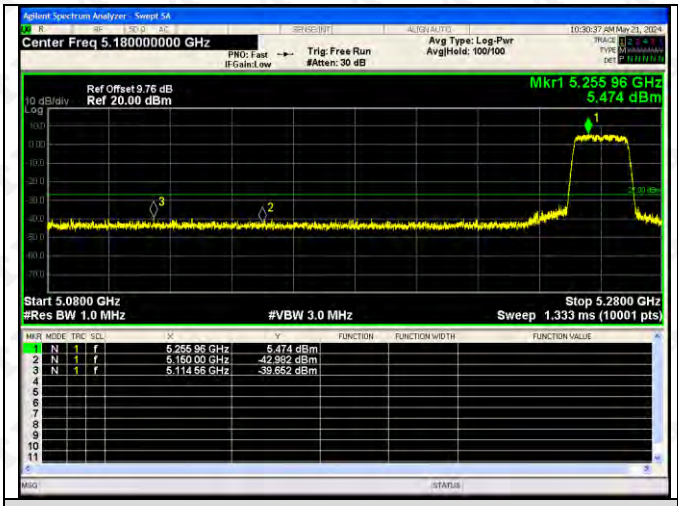

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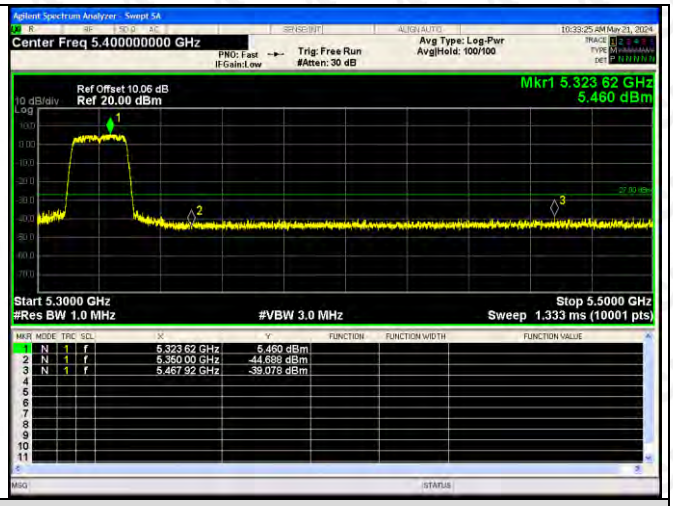
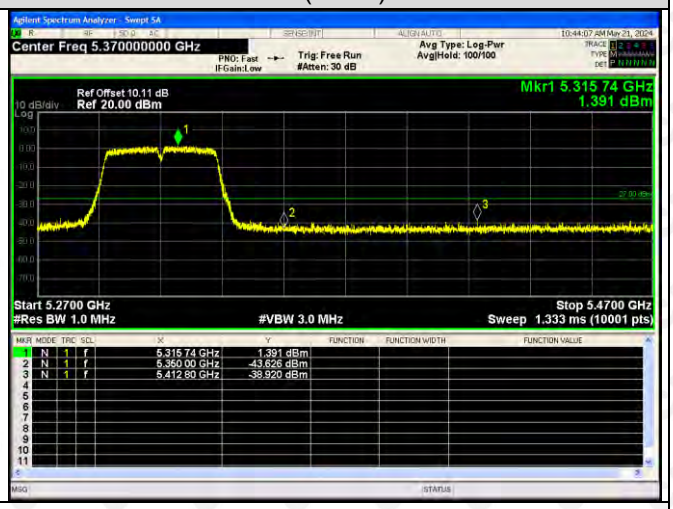
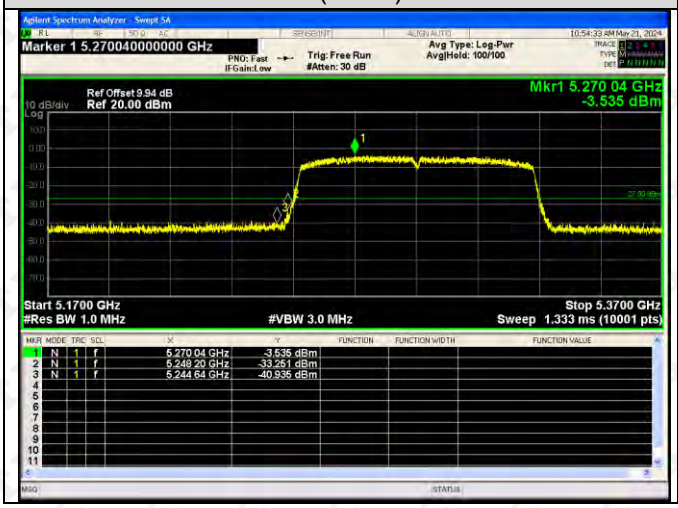


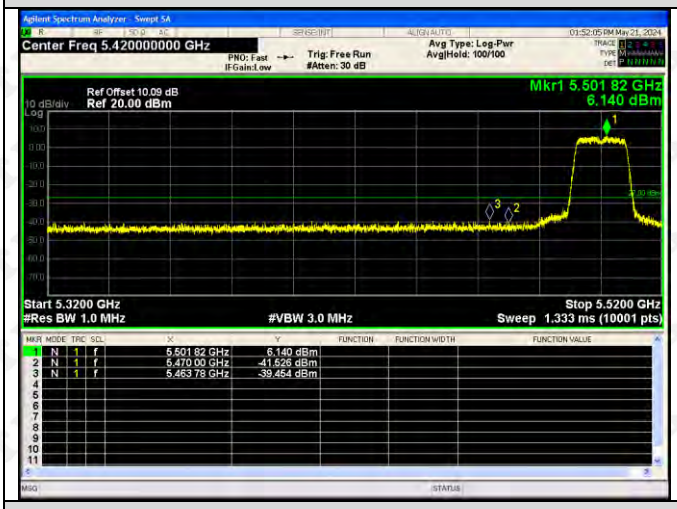
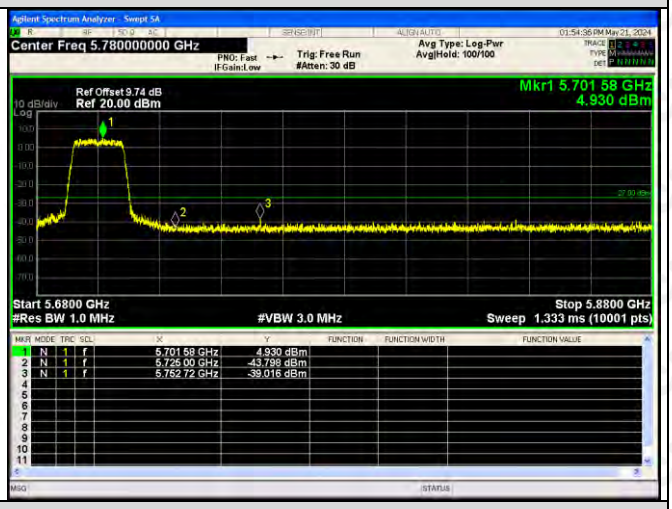
802.11n(HT40)-5310

802.11ac(VH80)-5290





5470-5725MHz:
ANT1

802.11a-5500	802.11a-5700
	
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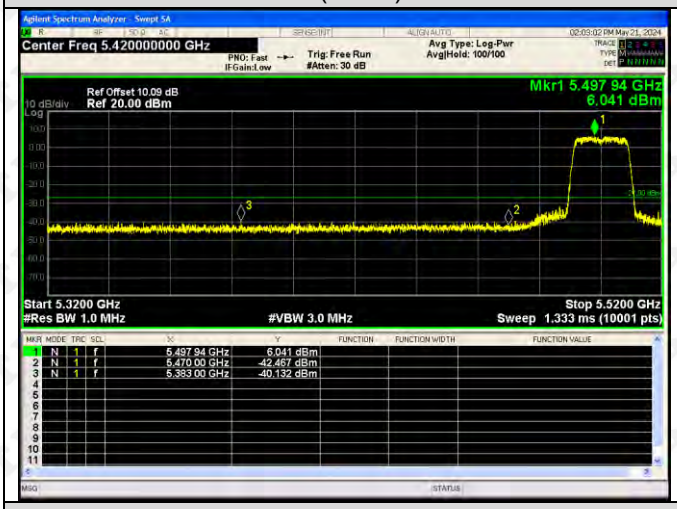	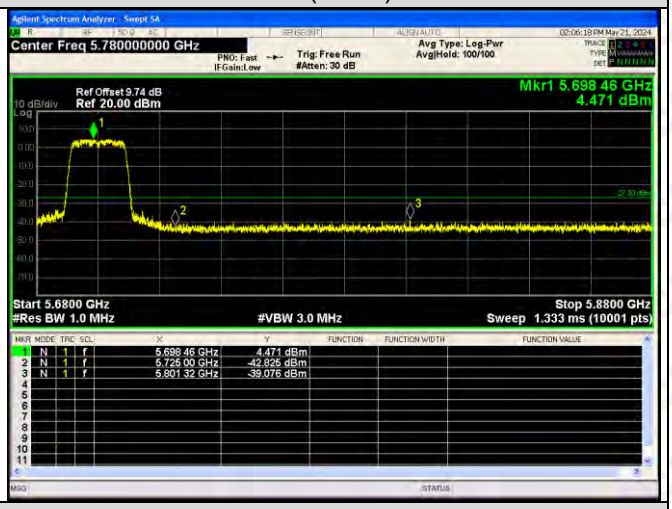
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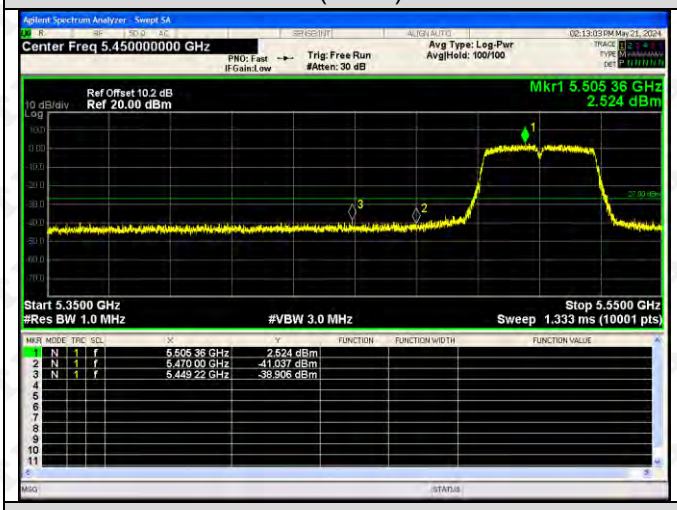	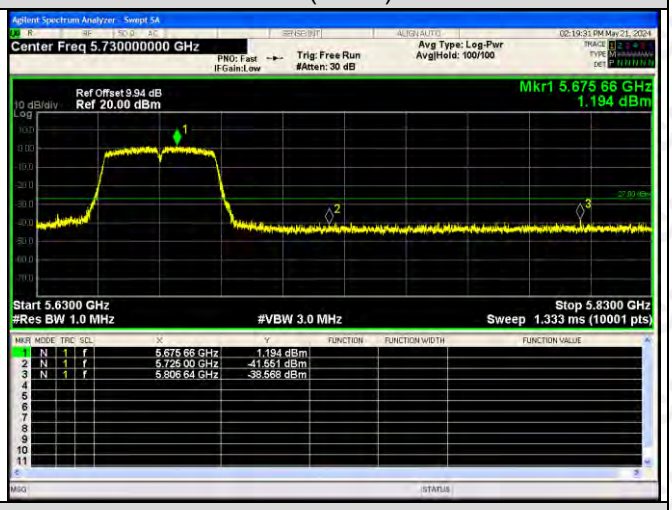
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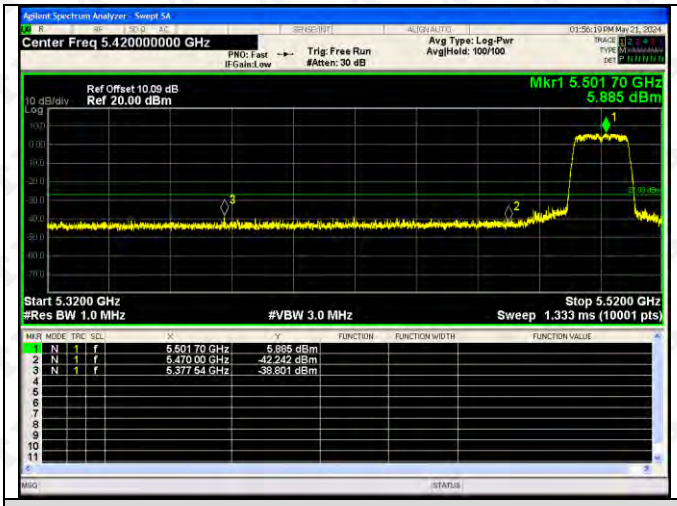

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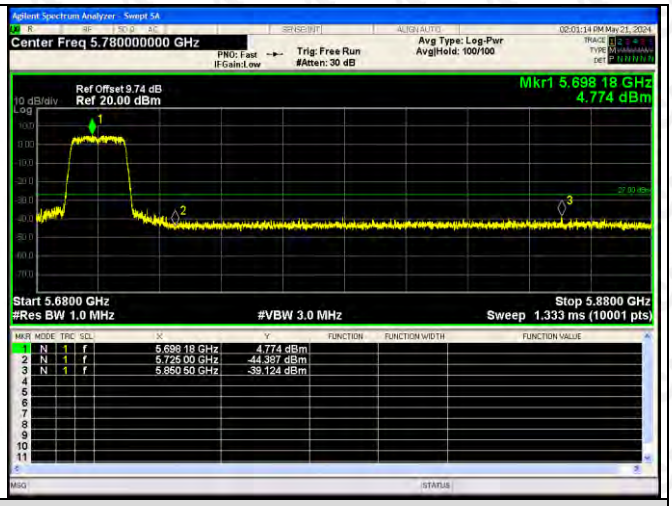

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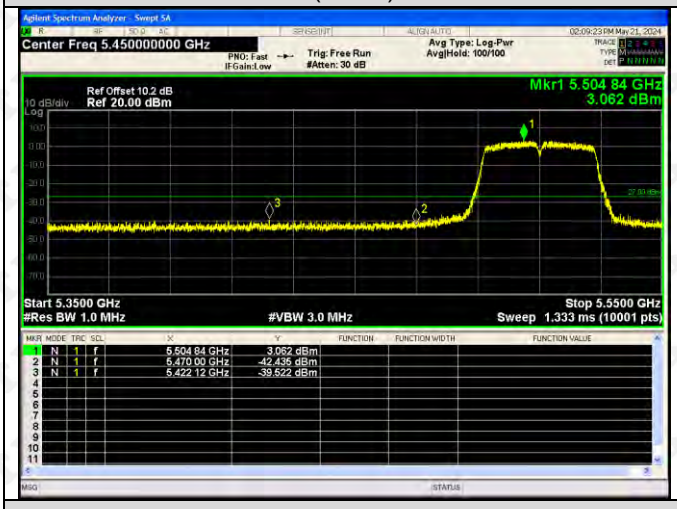

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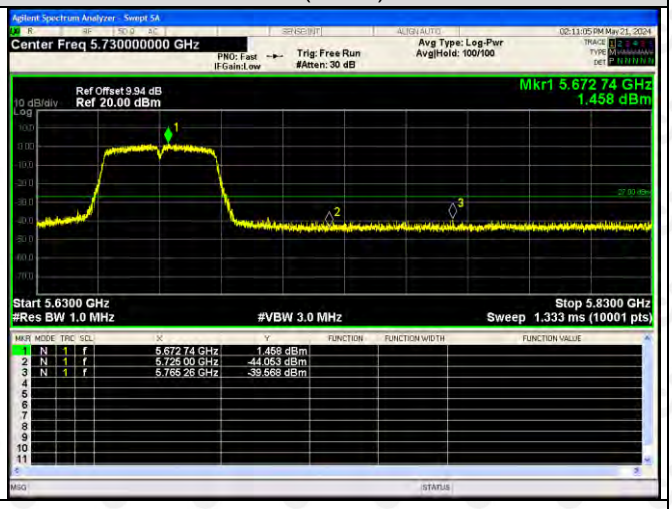

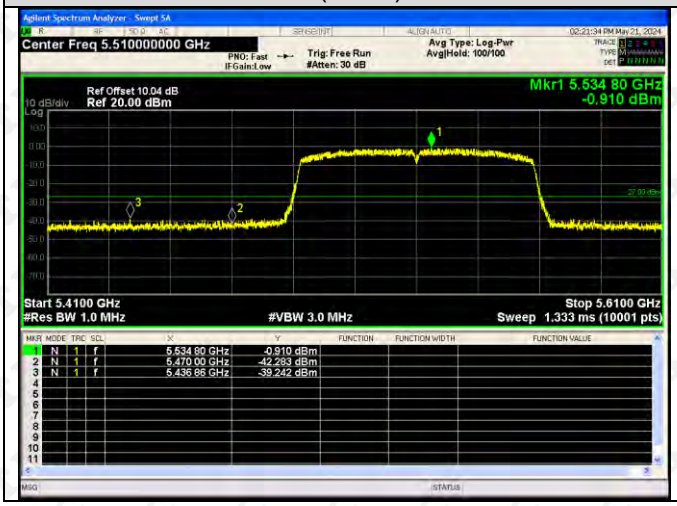

ANT2

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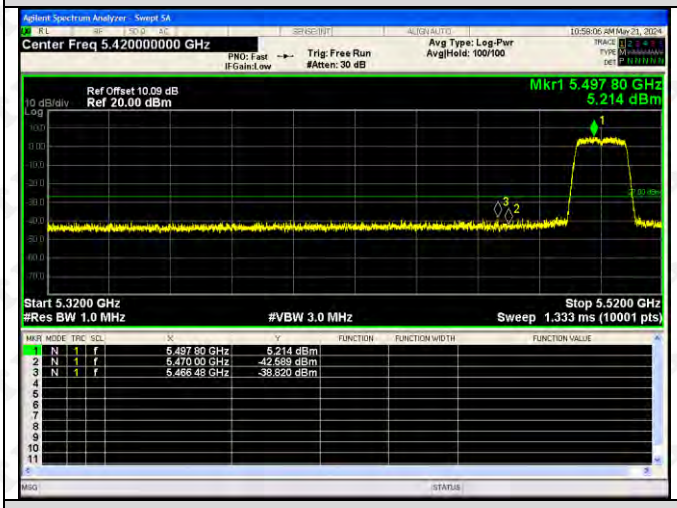	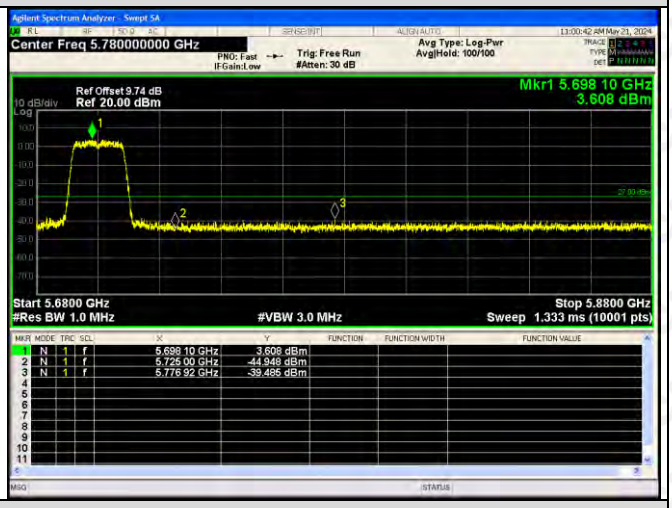
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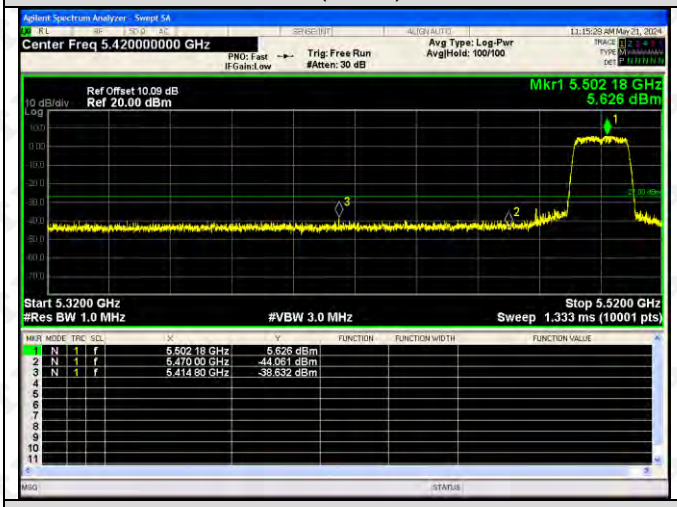	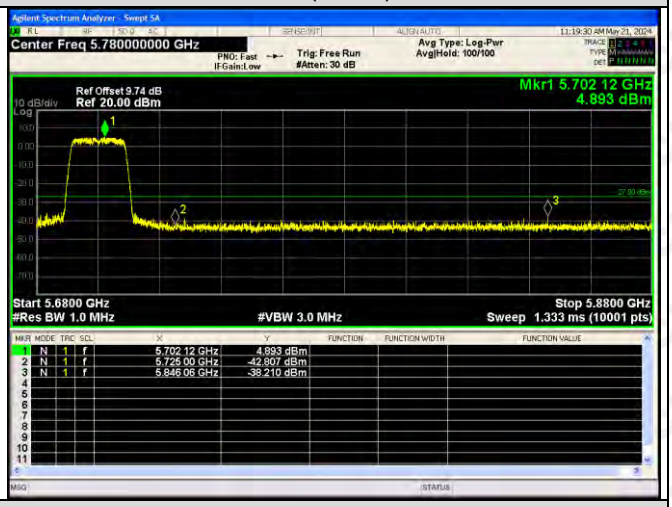
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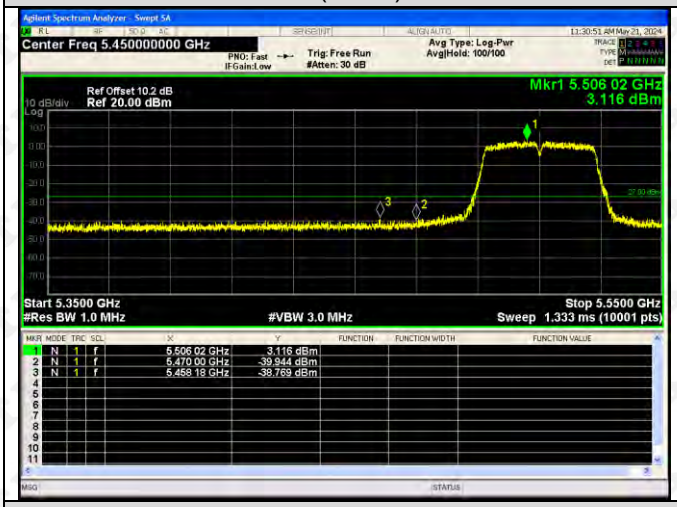	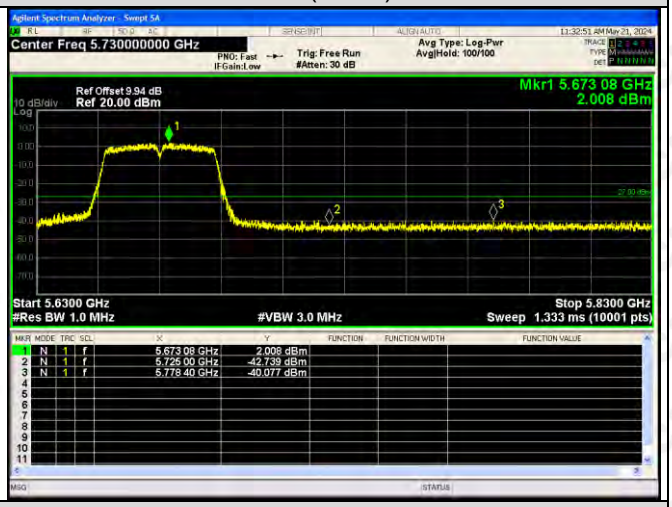
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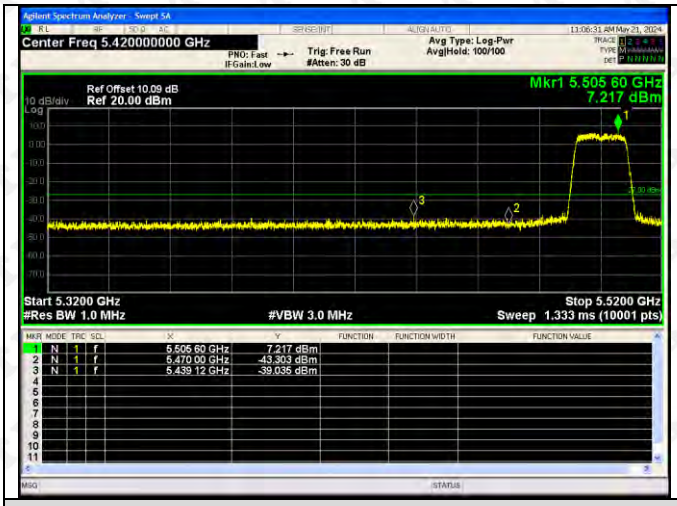

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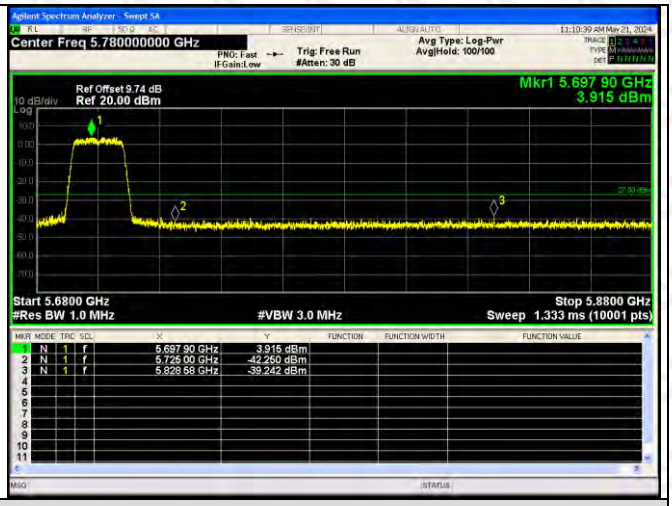

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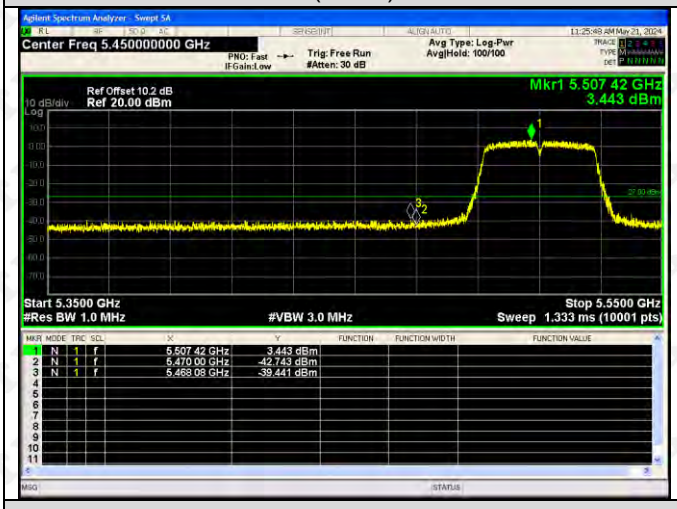

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