RF MEASUREMENT REPORT

FCC ID:	VPYLBEE59B1LV
Applicant:	Murata Manufacturing Co., Ltd.
Product:	Communication Module
Model No.:	Type1LV
Brand Name:	muRata
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Result:	Complies
Received Date:	2024-02-27
Test Date:	2024-02-29 ~ 2024-03-11

Reviewed By: Kevin Guo

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB789033. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2402RSU019-U2	V01	Initial Report	2024-03-22	Valid

Note: This report is prepared for FCC Class II permissive change supplement based on the FCC ID: VPYLBEE59B1LV, original grant date: 04/11/2019. And the output power, radiated spurious emission and radiated restricted band edge test item were re-verified.

CONTENTS

1. General Information

1.1. Applicant

Murata Manufacturing Co., Ltd.

10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan

1.2. Manufacturer

Murata Manufacturing Co., Ltd.

10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: 3261				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	Communication Module
Model No.	Type1LV
EUT Identification No.	20240227Sample#03 (Conducted) 20240227Sample#04 (Radiated)
Brand Name	muRata
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Specification	Bluetooth BR/EDR & Bluetooth LE-1Mbps/2Mbps
Antenna Information	Refer to section 1.7
Working Voltage	DC 3.3V
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz
Type of Modulation	802.11a/n/ac: OFDM
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 72.2Mbps 802.11ac: up to 86.7Mbps

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	--	--	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Antenna Gain (dBi)
PCB Antenna	2400 ~ 2483.5	0.9
	5150 ~ 5850	2.0

Note: The antenna gain is from antenna data sheet provided by the manufacturer.

2. Test Configuration

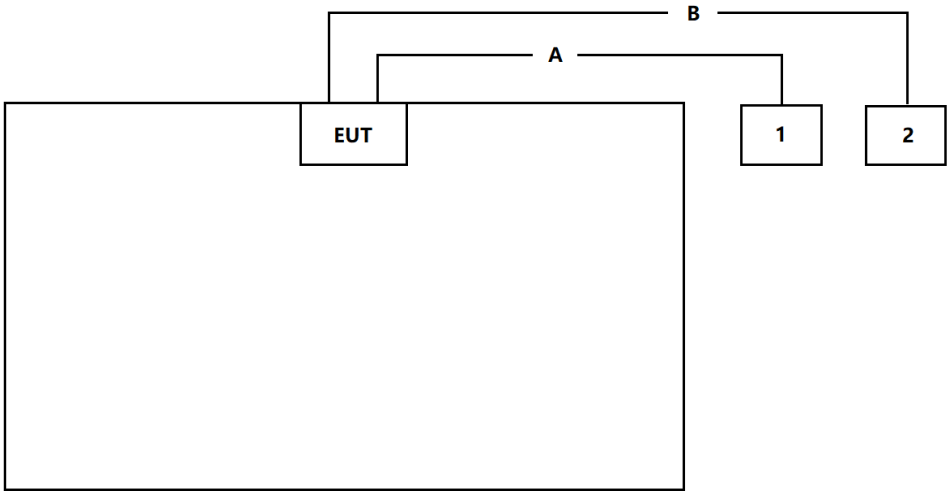
2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11n-HT20 (MCS0)
Mode 3: Transmit by 802.11ac-VHT20 (MCS0)
Note: All modes of operation and data rates were investigated, so all RF test requirements shall be executed at the worst data rate.

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing.

Connection Diagram – Radiated Emission testing



Cable Type		Cable Description	Length
A	Power Cable	Non shielded	> 10m
B	Power Cable	Non shielded	> 10m
Product		**Manufacturer**	**Model No.**
1	DC Power Supply	MESTEK	DP3010B
2	DC Power Supply	MESTEK	DP6020

2.3. Test Software

The test utility software used during testing was “Tera Term”, and the version was 4.103.

Final power setting please refer to operational description.

2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01
- ANSI C63.10-2013

2.5. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- The antenna of the device is **permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2024-05-23	WZ-AC2
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2024-10-23	WZ-AC2
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2024-12-04	WZ-AC2
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2024-05-15	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2024-10-11	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2024-11-04	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2024-05-07	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2025-01-11	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2024-11-07	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2024-04-20	WZ-AC2
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2024-05-23	WZ-SR5
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2024-05-31	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
Controller_MF 7802	1.02	RE Antenna & Turntable
BenchVue Power Meter	2018.1	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT 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.

Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.61dB Coplanar: 9kHz~30MHz: 2.62dB Horizontal: 30MHz~200MHz: 3.79dB 200MHz~1GHz: 3.91dB 1GHz~40GHz: 4.99dB Vertical: 30MHz~200MHz: 4.06dB 200MHz~1GHz: 5.21dB 1GHz~40GHz: 4.90dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.4dB

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)(1)(ii), (2), (3)(i)	Maximum Conducted Output Power	Conducted	Pass
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Radiated	Pass

Notes:

1. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
2. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

6.2. Output Power Measurement

6.2.1. Test Limit

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

6.2.2. Test Procedure

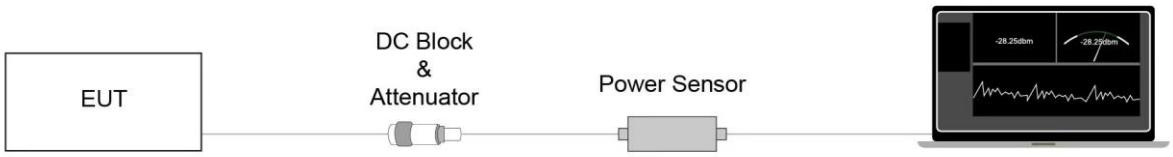
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

6.2.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.1.

6.3. Radiated Spurious Emission Measurement

6.3.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.3.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.3.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

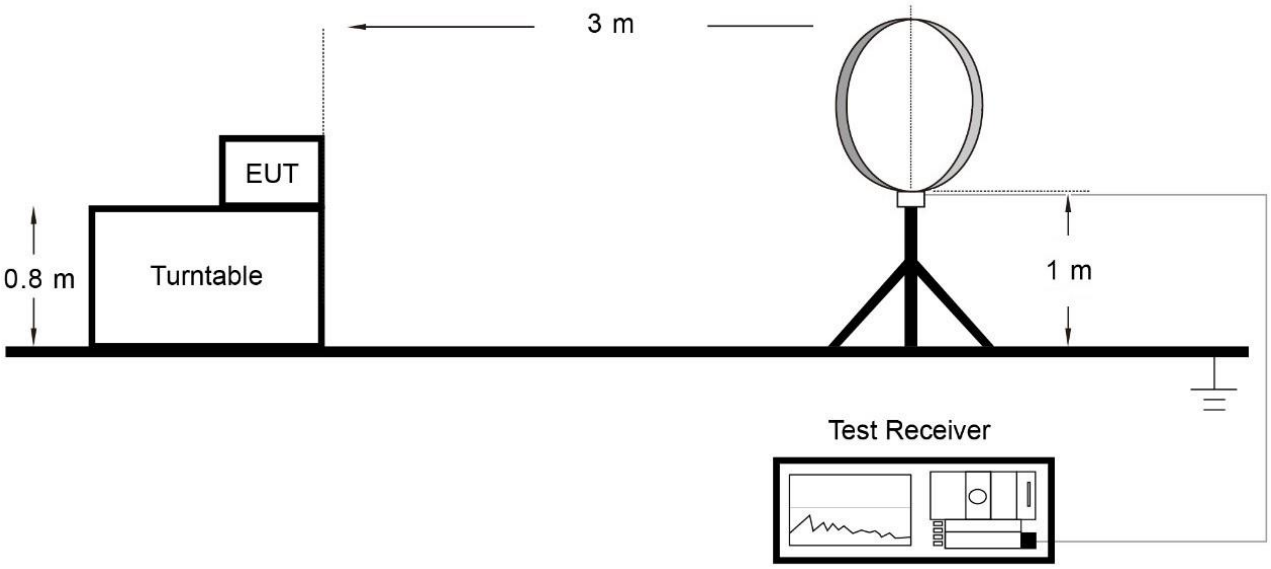
Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10Hz

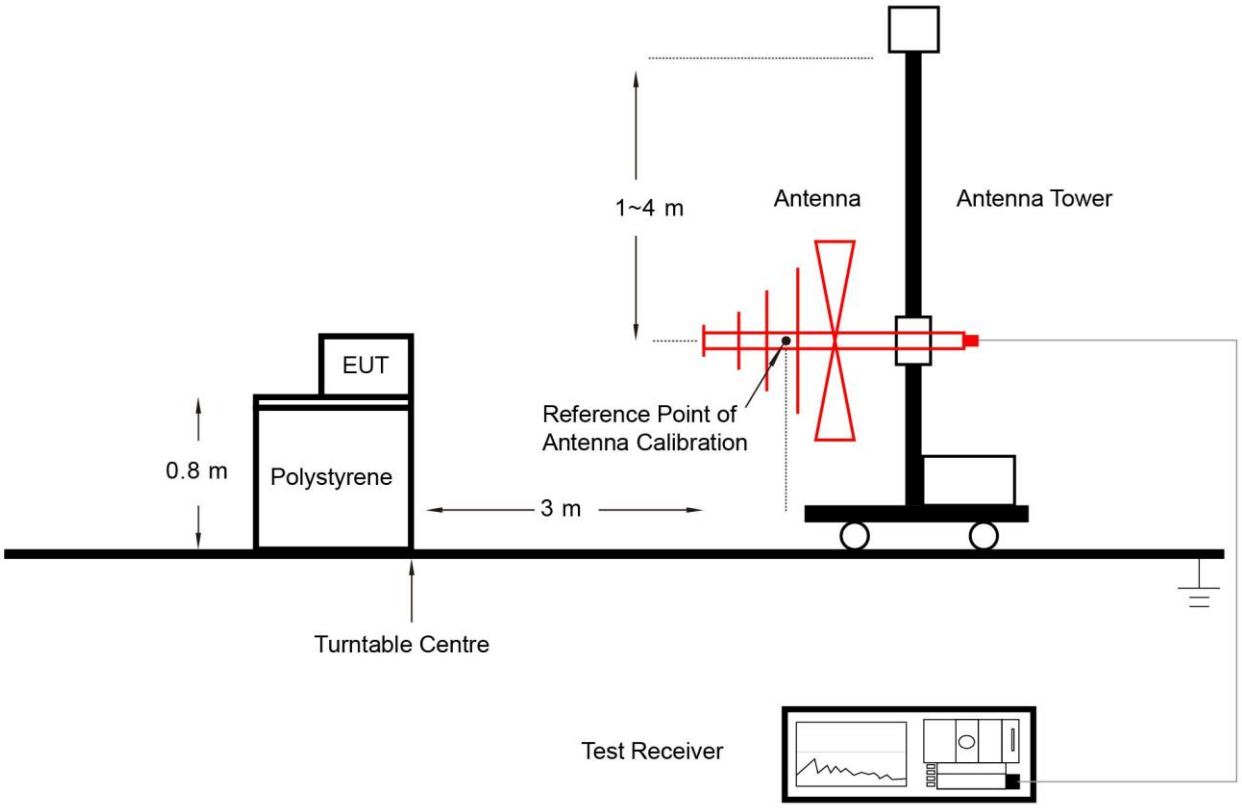
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.3.4. Test Setup

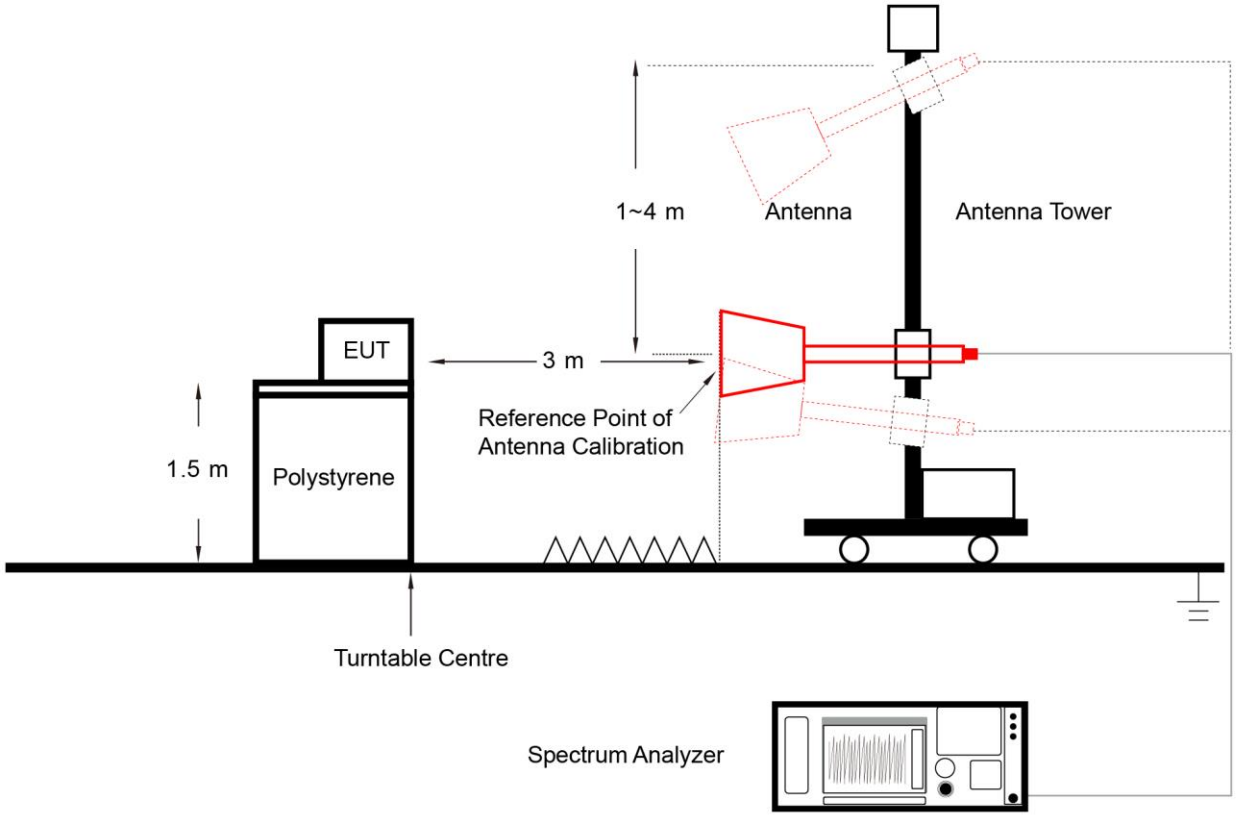
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.3.5. Test Result

Refer to Appendix A.2.

6.4. Radiated Restricted Band Edge Measurement

6.4.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

For 15.407(b) requirement:

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.

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.

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.

For transmitters operating in the 5.725-5.85 GHz band: 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.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.4.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.4.3. Test Setting

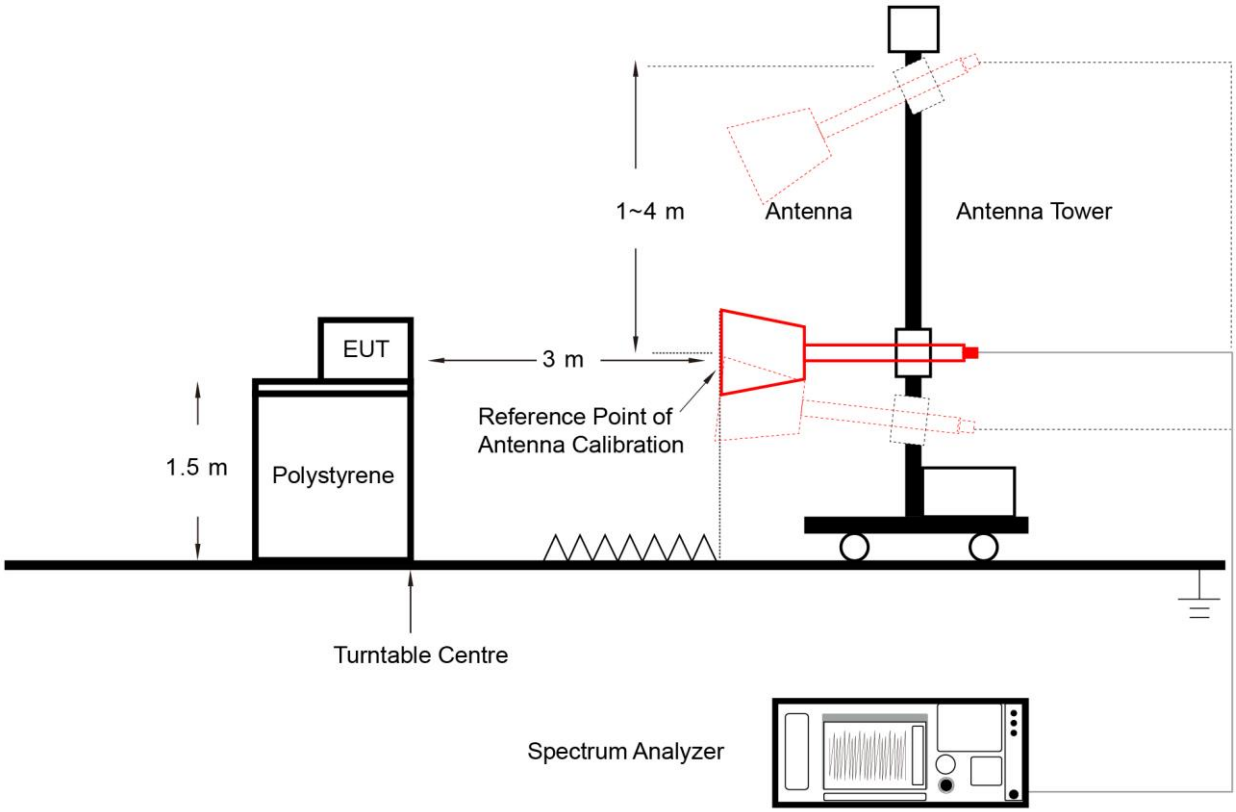
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.3.

Appendix A – Test Result

A.1 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Jeff Yang
Test Date	2024-02-29 ~ 2024-03-11		

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Power Limit (dBm)
11a	6Mbps	36	5180	14.21	≤ 23.98
11a	6Mbps	44	5220	16.92	≤ 23.98
11a	6Mbps	48	5240	17.01	≤ 23.98
11a	6Mbps	52	5260	16.98	≤ 23.98
11a	6Mbps	60	5300	17.11	≤ 23.98
11a	6Mbps	64	5320	14.82	≤ 23.98
11a	6Mbps	100	5500	12.86	≤ 23.98
11a	6Mbps	116	5580	16.25	≤ 23.98
11a	6Mbps	120	5600	16.32	≤ 23.98
11a	6Mbps	140	5700	14.76	≤ 23.98
11a	6Mbps	144	5720	16.66	≤ 22.99
11a	6Mbps	149	5745	16.37	≤ 30.00
11a	6Mbps	157	5785	16.83	≤ 30.00
11a	6Mbps	165	5825	14.63	≤ 30.00
11n-HT20	MCS0	36	5180	14.34	≤ 23.98
11n-HT20	MCS0	44	5220	17.02	≤ 23.98
11n-HT20	MCS0	48	5240	16.94	≤ 23.98
11n-HT20	MCS0	52	5260	17.01	≤ 23.98
11n-HT20	MCS0	60	5300	16.93	≤ 23.98
11n-HT20	MCS0	64	5320	15.22	≤ 23.98
11n-HT20	MCS0	100	5500	11.83	≤ 23.98
11n-HT20	MCS0	116	5580	16.73	≤ 23.98
11n-HT20	MCS0	120	5600	16.69	≤ 23.98
11n-HT20	MCS0	140	5700	12.36	≤ 23.98
11n-HT20	MCS0	144	5720	17.22	≤ 23.98
11n-HT20	MCS0	149	5745	16.71	≤ 30.00
11n-HT20	MCS0	157	5785	17.05	≤ 30.00
11n-HT20	MCS0	165	5825	12.76	≤ 30.00

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Power Limit (dBm)
11ac-VHT20	MCS0	36	5180	14.29	≤ 23.98
11ac-VHT20	MCS0	44	5220	16.79	≤ 23.98
11ac-VHT20	MCS0	48	5240	16.49	≤ 23.98
11ac-VHT20	MCS0	52	5260	16.44	≤ 23.98
11ac-VHT20	MCS0	60	5300	16.60	≤ 23.98
11ac-VHT20	MCS0	64	5320	14.77	≤ 23.98
11ac-VHT20	MCS0	100	5500	11.44	≤ 23.98
11ac-VHT20	MCS0	116	5580	16.18	≤ 23.98
11ac-VHT20	MCS0	120	5600	16.55	≤ 23.98
11ac-VHT20	MCS0	140	5700	12.33	≤ 23.98
11ac-VHT20	MCS0	144	5720	16.57	≤ 23.97
11ac-VHT20	MCS0	149	5745	16.42	≤ 30.00
11ac-VHT20	MCS0	157	5785	16.52	≤ 30.00
11ac-VHT20	MCS0	165	5825	12.57	≤ 30.00

Note:

For 5150 ~ 5250MHz Band: Power Limit (dBm) = 23.98 dBm.

For 5250 ~ 5350MHz Band: Power Limit (dBm) = (23.98 or $11+10*\log_{10}EBW$), which is less.

For 5470 ~ 5725MHz Band: Power Limit (dBm) = (23.98 or $11+10*\log_{10}EBW$), which is less.

For 5725 ~ 5850MHz Band: Power Limit (dBm) = 30.00 dBm.

For Band-Crossing channel: Power Limit (dBm) = (23.98 or $11+10*\log_{10}EBW_{2C}$), which is less.

A.2 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9551.0	31.1	13.4	44.5	68.2	-23.7	Peak	Horizontal
*	9814.5	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
	11081.0	32.3	16.7	49.0	74.0	-25.0	Peak	Horizontal
	11922.5	30.6	17.1	47.7	74.0	-26.3	Peak	Horizontal
*	10078.0	30.2	13.7	43.9	68.2	-24.3	Peak	Vertical
*	10214.0	31.3	14.3	45.6	68.2	-22.6	Peak	Vertical
	11217.0	33.4	16.8	50.2	74.0	-23.8	Peak	Vertical
	11531.5	31.6	17.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10035.5	31.7	13.9	45.6	68.2	-22.6	Peak	Horizontal
	10639.0	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
	11327.5	28.8	17.4	46.2	74.0	-27.8	Peak	Horizontal
	11531.5	32.2	17.3	49.5	74.0	-24.5	Peak	Horizontal
*	9857.0	31.6	13.5	45.1	68.2	-23.1	Peak	Vertical
*	10265.0	31.5	14.6	46.1	68.2	-22.1	Peak	Vertical
	11140.5	32.0	16.4	48.4	74.0	-25.6	Peak	Vertical
	11514.5	30.9	17.3	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9653.0	33.3	13.5	46.8	68.2	-21.4	Peak	Horizontal
*	10078.0	31.3	13.7	45.0	68.2	-23.2	Peak	Horizontal
	11123.5	31.5	16.4	47.9	74.0	-26.1	Peak	Horizontal
	11684.5	30.1	17.3	47.4	74.0	-26.6	Peak	Horizontal
*	9942.0	30.2	13.8	44.0	68.2	-24.2	Peak	Vertical
*	10214.0	32.1	14.3	46.4	68.2	-21.8	Peak	Vertical
	11149.0	32.0	16.6	48.6	74.0	-25.4	Peak	Vertical
	11616.5	31.7	17.4	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	30.6	13.8	44.4	68.2	-23.8	Peak	Horizontal
*	10265.0	32.2	14.6	46.8	68.2	-21.4	Peak	Horizontal
	11106.5	31.8	16.7	48.5	74.0	-25.5	Peak	Horizontal
	11701.5	30.4	17.5	47.9	74.0	-26.1	Peak	Horizontal
*	9857.0	31.8	13.5	45.3	68.2	-22.9	Peak	Vertical
*	10316.0	31.7	14.9	46.6	68.2	-21.6	Peak	Vertical
	10834.5	32.3	16.4	48.7	74.0	-25.3	Peak	Vertical
	11633.5	28.3	17.7	46.0	74.0	-28.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10256.5	32.5	14.5	47.0	68.2	-21.2	Peak	Horizontal
*	10503.0	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	11098.0	32.9	16.8	49.7	74.0	-24.3	Peak	Horizontal
	11829.0	30.7	17.4	48.1	74.0	-25.9	Peak	Horizontal
*	9942.0	31.2	13.8	45.0	68.2	-23.2	Peak	Vertical
*	10537.0	29.9	15.2	45.1	68.2	-23.1	Peak	Vertical
	11463.5	31.2	17.5	48.7	74.0	-25.3	Peak	Vertical
	11846.0	28.9	17.1	46.0	74.0	-28.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	30.7	13.6	44.3	68.2	-23.9	Peak	Horizontal
*	10120.5	30.7	14.1	44.8	68.2	-23.4	Peak	Horizontal
	10766.5	33.0	15.9	48.9	74.0	-25.1	Peak	Horizontal
	12313.5	32.2	17.4	49.6	74.0	-24.4	Peak	Horizontal
*	9857.0	31.1	13.5	44.6	68.2	-23.6	Peak	Vertical
*	10401.0	30.5	15.1	45.6	68.2	-22.6	Peak	Vertical
	11089.5	32.1	16.8	48.9	74.0	-25.1	Peak	Vertical
	12288.0	31.2	17.6	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10078.0	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
*	10511.5	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11489.0	31.0	17.7	48.7	74.0	-25.3	Peak	Horizontal
	11973.5	31.1	17.3	48.4	74.0	-25.6	Peak	Horizontal
*	9721.0	31.5	13.5	45.0	68.2	-23.2	Peak	Vertical
*	10171.5	30.6	14.1	44.7	68.2	-23.5	Peak	Vertical
	11472.0	31.9	17.5	49.4	74.0	-24.6	Peak	Vertical
	12271.0	31.8	17.3	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
*	10265.0	31.4	14.6	46.0	68.2	-22.2	Peak	Horizontal
	10970.5	30.5	16.2	46.7	74.0	-27.3	Peak	Horizontal
	11540.0	30.9	17.6	48.5	74.0	-25.5	Peak	Horizontal
*	9814.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
*	10171.5	31.9	14.1	46.0	68.2	-22.2	Peak	Vertical
	11429.5	31.1	17.3	48.4	74.0	-25.6	Peak	Vertical
	11795.0	32.0	17.7	49.7	74.0	-24.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	30.2	13.8	44.0	68.2	-24.2	Peak	Horizontal
*	10350.0	30.7	15.2	45.9	68.2	-22.3	Peak	Horizontal
	11183.0	31.1	17.0	48.1	74.0	-25.9	Peak	Horizontal
	11327.5	28.4	17.4	45.8	74.0	-28.2	Peak	Horizontal
*	10171.5	31.0	14.1	45.1	68.2	-23.1	Peak	Vertical
*	10494.5	29.5	15.4	44.9	68.2	-23.3	Peak	Vertical
	11548.5	32.9	17.7	50.6	74.0	-23.4	Peak	Vertical
	11633.5	28.5	17.7	46.2	74.0	-27.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	31.6	13.7	45.3	68.2	-22.9	Peak	Horizontal
*	10120.5	31.2	14.1	45.3	68.2	-22.9	Peak	Horizontal
	11225.5	30.0	16.9	46.9	74.0	-27.1	Peak	Horizontal
	11378.5	29.0	17.3	46.3	74.0	-27.7	Peak	Horizontal
*	10035.5	31.4	13.9	45.3	68.2	-22.9	Peak	Vertical
*	10307.5	30.1	14.9	45.0	68.2	-23.2	Peak	Vertical
	11319.0	31.1	17.4	48.5	74.0	-25.5	Peak	Vertical
	11633.5	31.1	17.7	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10078.0	30.8	13.7	44.5	68.2	-23.7	Peak	Horizontal
*	10401.0	30.3	15.1	45.4	68.2	-22.8	Peak	Horizontal
	10800.5	33.0	16.5	49.5	74.0	-24.5	Peak	Horizontal
	12058.5	28.7	17.0	45.7	74.0	-28.3	Peak	Horizontal
*	9899.5	31.2	13.6	44.8	68.2	-23.4	Peak	Vertical
*	10214.0	31.2	14.3	45.5	68.2	-22.7	Peak	Vertical
	11557.0	31.0	17.9	48.9	74.0	-25.1	Peak	Vertical
	11633.5	29.6	17.7	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
*	10307.5	30.2	14.9	45.1	68.2	-23.1	Peak	Horizontal
	10877.0	29.0	16.3	45.3	74.0	-28.7	Peak	Horizontal
	11659.0	31.0	17.7	48.7	74.0	-25.3	Peak	Horizontal
*	9721.0	31.5	13.5	45.0	68.2	-23.2	Peak	Vertical
*	10035.5	30.2	13.9	44.1	68.2	-24.1	Peak	Vertical
	11565.5	31.1	17.8	48.9	74.0	-25.1	Peak	Vertical
	11897.0	29.8	17.4	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11a – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	32.5	13.5	46.0	68.2	-22.2	Peak	Horizontal
*	10214.0	30.4	14.3	44.7	68.2	-23.5	Peak	Horizontal
	10732.5	30.6	15.9	46.5	74.0	-27.5	Peak	Horizontal
	11463.5	31.5	17.5	49.0	74.0	-25.0	Peak	Horizontal
*	9993.0	30.8	13.7	44.5	68.2	-23.7	Peak	Vertical
*	10443.5	30.0	15.5	45.5	68.2	-22.7	Peak	Vertical
	10894.0	31.7	16.4	48.1	74.0	-25.9	Peak	Vertical
	11531.5	29.8	17.3	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
*	10350.0	31.0	15.2	46.2	68.2	-22.0	Peak	Horizontal
	10996.0	32.3	16.5	48.8	74.0	-25.2	Peak	Horizontal
	11684.5	29.0	17.3	46.3	74.0	-27.7	Peak	Horizontal
*	9942.0	31.3	13.8	45.1	68.2	-23.1	Peak	Vertical
*	10214.0	31.7	14.3	46.0	68.2	-22.2	Peak	Vertical
	10673.0	33.2	16.3	49.5	74.0	-24.5	Peak	Vertical
	11378.5	28.0	17.3	45.3	74.0	-28.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	30.7	13.7	44.4	68.2	-23.8	Peak	Horizontal
*	10307.5	30.8	14.9	45.7	68.2	-22.5	Peak	Horizontal
	11183.0	31.6	17.0	48.6	74.0	-25.4	Peak	Horizontal
	11786.5	29.4	17.6	47.0	74.0	-27.0	Peak	Horizontal
*	10035.5	30.6	13.9	44.5	68.2	-23.7	Peak	Vertical
*	10537.0	31.4	15.2	46.6	68.2	-21.6	Peak	Vertical
	10843.0	31.7	16.5	48.2	74.0	-25.8	Peak	Vertical
	11582.5	30.1	17.5	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	30.8	13.8	44.6	68.2	-23.6	Peak	Horizontal
*	10401.0	31.0	15.1	46.1	68.2	-22.1	Peak	Horizontal
	10970.5	28.8	16.2	45.0	74.0	-29.0	Peak	Horizontal
	12237.0	32.2	17.5	49.7	74.0	-24.3	Peak	Horizontal
*	9508.5	31.0	13.4	44.4	68.2	-23.8	Peak	Vertical
*	10171.5	30.8	14.1	44.9	68.2	-23.3	Peak	Vertical
	11174.5	29.0	17.0	46.0	74.0	-28.0	Peak	Vertical
	11854.5	31.6	17.2	48.8	74.0	-25.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	32.1	13.6	45.7	68.2	-22.5	Peak	Horizontal
*	10307.5	29.8	14.9	44.7	68.2	-23.5	Peak	Horizontal
	10826.0	30.0	16.4	46.4	74.0	-27.6	Peak	Horizontal
	11463.5	31.0	17.5	48.5	74.0	-25.5	Peak	Horizontal
*	9899.5	31.9	13.6	45.5	68.2	-22.7	Peak	Vertical
*	10307.5	30.3	14.9	45.2	68.2	-23.0	Peak	Vertical
	11072.5	30.1	16.5	46.6	74.0	-27.4	Peak	Vertical
	11735.5	30.6	17.7	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	30.4	13.8	44.2	68.2	-24.0	Peak	Horizontal
*	10494.5	30.7	15.4	46.1	68.2	-22.1	Peak	Horizontal
	11582.5	31.5	17.5	49.0	74.0	-25.0	Peak	Horizontal
	12007.5	28.9	17.0	45.9	74.0	-28.1	Peak	Horizontal
*	9814.5	31.8	13.7	45.5	68.2	-22.7	Peak	Vertical
*	10120.5	31.5	14.1	45.6	68.2	-22.6	Peak	Vertical
	11081.0	32.6	16.7	49.3	74.0	-24.7	Peak	Vertical
	11786.5	27.6	17.6	45.2	74.0	-28.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	31.7	13.7	45.4	68.2	-22.8	Peak	Horizontal
*	10171.5	31.2	14.1	45.3	68.2	-22.9	Peak	Horizontal
	11072.5	30.4	16.5	46.9	74.0	-27.1	Peak	Horizontal
	11514.5	31.3	17.3	48.6	74.0	-25.4	Peak	Horizontal
*	9814.5	31.1	13.7	44.8	68.2	-23.4	Peak	Vertical
*	10265.0	29.6	14.6	44.2	68.2	-24.0	Peak	Vertical
	11106.5	31.0	16.7	47.7	74.0	-26.3	Peak	Vertical
	11846.0	28.6	17.1	45.7	74.0	-28.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10078.0	31.1	13.7	44.8	68.2	-23.4	Peak	Horizontal
*	10426.5	32.2	15.4	47.6	68.2	-20.6	Peak	Horizontal
	10877.0	29.2	16.3	45.5	74.0	-28.5	Peak	Horizontal
	12237.0	31.4	17.5	48.9	74.0	-25.1	Peak	Horizontal
*	10035.5	31.3	13.9	45.2	68.2	-23.0	Peak	Vertical
*	10401.0	30.8	15.1	45.9	68.2	-22.3	Peak	Vertical
	11021.5	29.1	16.4	45.5	74.0	-28.5	Peak	Vertical
	11786.5	29.7	17.6	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	30.5	13.7	44.2	68.2	-24.0	Peak	Horizontal
*	10350.0	31.9	15.2	47.1	68.2	-21.1	Peak	Horizontal
	11072.5	29.4	16.5	45.9	74.0	-28.1	Peak	Horizontal
	11480.5	32.4	17.6	50.0	74.0	-24.0	Peak	Horizontal
*	9814.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
*	10307.5	30.0	14.9	44.9	68.2	-23.3	Peak	Vertical
	11174.5	32.0	17.0	49.0	74.0	-25.0	Peak	Vertical
	11897.0	29.0	17.4	46.4	74.0	-27.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	32.6	13.8	46.4	68.2	-21.8	Peak	Horizontal
*	10443.5	30.7	15.5	46.2	68.2	-22.0	Peak	Horizontal
	11089.5	31.7	16.8	48.5	74.0	-25.5	Peak	Horizontal
	11531.5	31.0	17.3	48.3	74.0	-25.7	Peak	Horizontal
*	9857.0	31.6	13.5	45.1	68.2	-23.1	Peak	Vertical
*	10265.0	31.9	14.6	46.5	68.2	-21.7	Peak	Vertical
	10970.5	28.6	16.2	44.8	74.0	-29.2	Peak	Vertical
	11497.5	32.2	17.6	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9678.5	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
*	10307.5	31.8	14.9	46.7	68.2	-21.5	Peak	Horizontal
	11378.5	28.8	17.3	46.1	74.0	-27.9	Peak	Horizontal
	12194.5	31.6	17.8	49.4	74.0	-24.6	Peak	Horizontal
*	9772.0	30.6	13.5	44.1	68.2	-24.1	Peak	Vertical
*	10171.5	30.7	14.1	44.8	68.2	-23.4	Peak	Vertical
	10826.0	30.5	16.4	46.9	74.0	-27.1	Peak	Vertical
	11463.5	31.1	17.5	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	31.0	13.7	44.7	68.2	-23.5	Peak	Horizontal
*	10443.5	30.7	15.5	46.2	68.2	-22.0	Peak	Horizontal
	11531.5	30.7	17.3	48.0	74.0	-26.0	Peak	Horizontal
	12211.5	32.1	17.4	49.5	74.0	-24.5	Peak	Horizontal
*	9899.5	31.1	13.6	44.7	68.2	-23.5	Peak	Vertical
*	10443.5	30.3	15.5	45.8	68.2	-22.4	Peak	Vertical
	11548.5	31.3	17.7	49.0	74.0	-25.0	Peak	Vertical
	11786.5	30.2	17.6	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	11276.5	28.6	17.0	45.6	74.0	-28.4	Peak	Horizontal
*	11888.5	32.3	17.3	49.6	74.0	-24.4	Peak	Horizontal
	13716.0	32.0	19.3	51.3	68.2	-16.9	Peak	Horizontal
	14234.5	29.2	20.0	49.2	68.2	-19.0	Peak	Horizontal
*	10035.5	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
*	10350.0	30.8	15.2	46.0	68.2	-22.2	Peak	Vertical
	11098.0	32.9	16.8	49.7	74.0	-24.3	Peak	Vertical
	11574.0	31.9	17.7	49.6	74.0	-24.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11n-HT20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
*	10443.5	30.4	15.5	45.9	68.2	-22.3	Peak	Horizontal
	10970.5	29.3	16.2	45.5	74.0	-28.5	Peak	Horizontal
	11472.0	30.5	17.5	48.0	74.0	-26.0	Peak	Horizontal
*	10078.0	32.6	13.7	46.3	68.2	-21.9	Peak	Vertical
*	10120.5	31.0	14.1	45.1	68.2	-23.1	Peak	Vertical
	11429.5	29.9	17.3	47.2	74.0	-26.8	Peak	Vertical
	11973.5	31.7	17.3	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	30.3	13.5	43.8	68.2	-24.4	Peak	Horizontal
*	10350.0	30.2	15.2	45.4	68.2	-22.8	Peak	Horizontal
	11157.5	31.8	16.7	48.5	74.0	-25.5	Peak	Horizontal
	11582.5	30.3	17.5	47.8	74.0	-26.2	Peak	Horizontal
*	10078.0	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
*	10494.5	29.8	15.4	45.2	68.2	-23.0	Peak	Vertical
	11072.5	28.9	16.5	45.4	74.0	-28.6	Peak	Vertical
	11489.0	30.5	17.7	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	32.4	13.7	46.1	68.2	-22.1	Peak	Horizontal
*	10171.5	30.9	14.1	45.0	68.2	-23.2	Peak	Horizontal
	11174.5	29.2	17.0	46.2	74.0	-27.8	Peak	Horizontal
	11897.0	31.2	17.4	48.6	74.0	-25.4	Peak	Horizontal
*	9678.5	32.1	13.5	45.6	68.2	-22.6	Peak	Vertical
*	10171.5	31.2	14.1	45.3	68.2	-22.9	Peak	Vertical
	11021.5	29.0	16.4	45.4	74.0	-28.6	Peak	Vertical
	11514.5	32.1	17.3	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10035.5	30.8	13.9	44.7	68.2	-23.5	Peak	Horizontal
*	10350.0	30.2	15.2	45.4	68.2	-22.8	Peak	Horizontal
	11115.0	31.8	16.5	48.3	74.0	-25.7	Peak	Horizontal
	11276.5	28.6	17.0	45.6	74.0	-28.4	Peak	Horizontal
*	10035.5	31.4	13.9	45.3	68.2	-22.9	Peak	Vertical
*	10307.5	31.3	14.9	46.2	68.2	-22.0	Peak	Vertical
	11106.5	31.2	16.7	47.9	74.0	-26.1	Peak	Vertical
	12058.5	27.9	17.0	44.9	74.0	-29.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	31.0	13.6	44.6	68.2	-23.6	Peak	Horizontal
*	10350.0	29.5	15.2	44.7	68.2	-23.5	Peak	Horizontal
	10851.5	31.9	16.5	48.4	74.0	-25.6	Peak	Horizontal
	11659.0	31.1	17.7	48.8	74.0	-25.2	Peak	Horizontal
*	9814.5	32.1	13.7	45.8	68.2	-22.4	Peak	Vertical
*	10265.0	30.1	14.6	44.7	68.2	-23.5	Peak	Vertical
	11072.5	29.9	16.5	46.4	74.0	-27.6	Peak	Vertical
	11948.0	29.3	16.9	46.2	74.0	-27.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	29.9	13.6	43.5	68.2	-24.7	Peak	Horizontal
*	10350.0	30.6	15.2	45.8	68.2	-22.4	Peak	Horizontal
	11072.5	31.1	16.5	47.6	74.0	-26.4	Peak	Horizontal
	11667.5	30.5	17.5	48.0	74.0	-26.0	Peak	Horizontal
*	9857.0	30.6	13.5	44.1	68.2	-24.1	Peak	Vertical
*	10120.5	29.5	14.1	43.6	68.2	-24.6	Peak	Vertical
	10843.0	31.5	16.5	48.0	74.0	-26.0	Peak	Vertical
	11489.0	31.4	17.7	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	30.6	13.5	44.1	68.2	-24.1	Peak	Horizontal
*	10171.5	30.8	14.1	44.9	68.2	-23.3	Peak	Horizontal
	10928.0	31.6	16.7	48.3	74.0	-25.7	Peak	Horizontal
	11684.5	28.4	17.3	45.7	74.0	-28.3	Peak	Horizontal
*	9857.0	30.2	13.5	43.7	68.2	-24.5	Peak	Vertical
*	10171.5	30.4	14.1	44.5	68.2	-23.7	Peak	Vertical
	11225.5	29.6	16.9	46.5	74.0	-27.5	Peak	Vertical
	11744.0	31.4	17.6	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	30.8	13.7	44.5	68.2	-23.7	Peak	Horizontal
*	10171.5	30.3	14.1	44.4	68.2	-23.8	Peak	Horizontal
	11514.5	31.3	17.3	48.6	74.0	-25.4	Peak	Horizontal
	12271.0	28.9	17.3	46.2	74.0	-27.8	Peak	Horizontal
*	10120.5	31.9	14.1	46.0	68.2	-22.2	Peak	Vertical
*	10537.0	30.0	15.2	45.2	68.2	-23.0	Peak	Vertical
	11072.5	30.7	16.5	47.2	74.0	-26.8	Peak	Vertical
	11642.0	30.6	17.9	48.5	74.0	-25.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	32.0	13.6	45.6	68.2	-22.6	Peak	Horizontal
*	10443.5	31.7	15.5	47.2	68.2	-21.0	Peak	Horizontal
	10970.5	28.4	16.2	44.6	74.0	-29.4	Peak	Horizontal
	11506.0	30.7	17.4	48.1	74.0	-25.9	Peak	Horizontal
*	9899.5	31.8	13.6	45.4	68.2	-22.8	Peak	Vertical
*	10307.5	30.0	14.9	44.9	68.2	-23.3	Peak	Vertical
	11123.5	30.6	16.4	47.0	74.0	-27.0	Peak	Vertical
	11846.0	28.3	17.1	45.4	74.0	-28.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	32.2	13.7	45.9	68.2	-22.3	Peak	Horizontal
*	10401.0	29.2	15.1	44.3	68.2	-23.9	Peak	Horizontal
	10970.5	29.6	16.2	45.8	74.0	-28.2	Peak	Horizontal
	11531.5	29.5	17.3	46.8	74.0	-27.2	Peak	Horizontal
*	9899.5	30.1	13.6	43.7	68.2	-24.5	Peak	Vertical
*	10214.0	30.9	14.3	45.2	68.2	-23.0	Peak	Vertical
	11174.5	28.7	17.0	45.7	74.0	-28.3	Peak	Vertical
	11786.5	28.5	17.6	46.1	74.0	-27.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9814.5	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
*	10265.0	30.7	14.6	45.3	68.2	-22.9	Peak	Horizontal
	11072.5	29.0	16.5	45.5	74.0	-28.5	Peak	Horizontal
	11948.0	27.8	16.9	44.7	74.0	-29.3	Peak	Horizontal
*	9636.0	32.3	13.4	45.7	68.2	-22.5	Peak	Vertical
*	10078.0	31.3	13.7	45.0	68.2	-23.2	Peak	Vertical
	11021.5	31.4	16.4	47.8	74.0	-26.2	Peak	Vertical
	11582.5	29.4	17.5	46.9	74.0	-27.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9857.0	31.4	13.5	44.9	68.2	-23.3	Peak	Horizontal
*	10214.0	29.7	14.3	44.0	68.2	-24.2	Peak	Horizontal
	10809.0	31.4	16.5	47.9	74.0	-26.1	Peak	Horizontal
	12007.5	29.0	17.0	46.0	74.0	-28.0	Peak	Horizontal
*	10171.5	31.0	14.1	45.1	68.2	-23.1	Peak	Vertical
*	10443.5	29.8	15.5	45.3	68.2	-22.9	Peak	Vertical
	11021.5	29.6	16.4	46.0	74.0	-28.0	Peak	Vertical
	11854.5	31.8	17.2	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9942.0	31.2	13.8	45.0	68.2	-23.2	Peak	Horizontal
*	10443.5	30.1	15.5	45.6	68.2	-22.6	Peak	Horizontal
	11582.5	29.7	17.5	47.2	74.0	-26.8	Peak	Horizontal
	11812.0	32.1	17.7	49.8	74.0	-24.2	Peak	Horizontal
*	9993.0	30.8	13.7	44.5	68.2	-23.7	Peak	Vertical
*	10401.0	29.8	15.1	44.9	68.2	-23.3	Peak	Vertical
	11055.5	31.2	16.3	47.5	74.0	-26.5	Peak	Vertical
	11582.5	28.9	17.5	46.4	74.0	-27.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2024-03-05	Test Mode	802.11ac-VHT20 – Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9857.0	31.1	13.5	44.6	68.2	-23.6	Peak	Horizontal
*	10401.0	30.7	15.1	45.8	68.2	-22.4	Peak	Horizontal
	10877.0	29.8	16.3	46.1	74.0	-27.9	Peak	Horizontal
	11650.5	30.2	17.8	48.0	74.0	-26.0	Peak	Horizontal
*	9772.0	30.5	13.5	44.0	68.2	-24.2	Peak	Vertical
*	10307.5	31.2	14.9	46.1	68.2	-22.1	Peak	Vertical
	11072.5	31.5	16.5	48.0	74.0	-26.0	Peak	Vertical
	11659.0	31.3	17.7	49.0	74.0	-25.0	Peak	Vertical

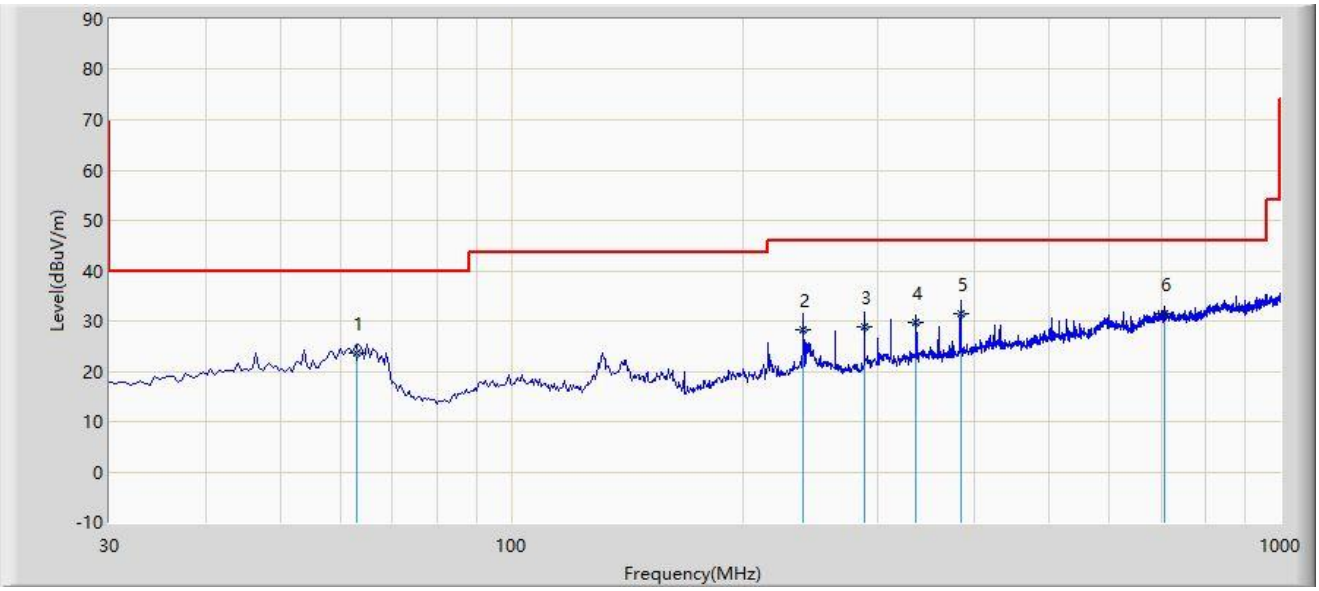
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Site: WZ-AC2	Test Date: 2024-03-10
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5720MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		62.980	23.656	5.100	-16.344	40.000	18.556	QP
2		240.005	28.339	8.637	-17.661	46.000	19.702	QP
3		288.020	28.932	8.200	-17.068	46.000	20.732	QP
4		336.035	29.593	7.300	-16.407	46.000	22.293	QP
5	*	384.050	31.343	8.300	-14.657	46.000	23.043	QP
6		707.060	31.324	2.600	-14.676	46.000	28.724	QP

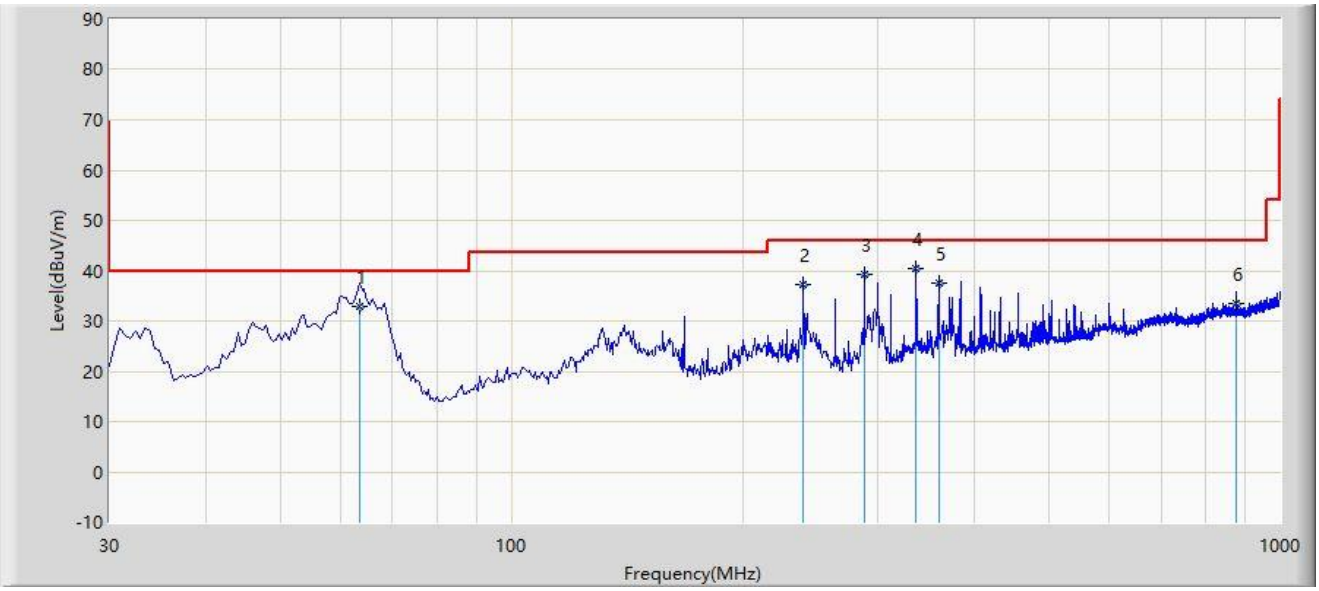
Note 1: " * ", means this data is the worst emission level.

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

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

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: WZ-AC2	Test Date: 2024-03-10
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5720MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		63.465	33.038	14.600	-6.962	40.000	18.438	QP
2		240.005	37.202	17.500	-8.798	46.000	19.702	QP
3		288.020	39.332	18.600	-6.668	46.000	20.732	QP
4	*	336.035	40.333	18.040	-5.667	46.000	22.293	QP
5		359.800	37.470	15.300	-8.530	46.000	22.170	QP
6		875.355	33.358	2.500	-12.642	46.000	30.858	QP

Note 1: " * ", means this data is the worst emission level.

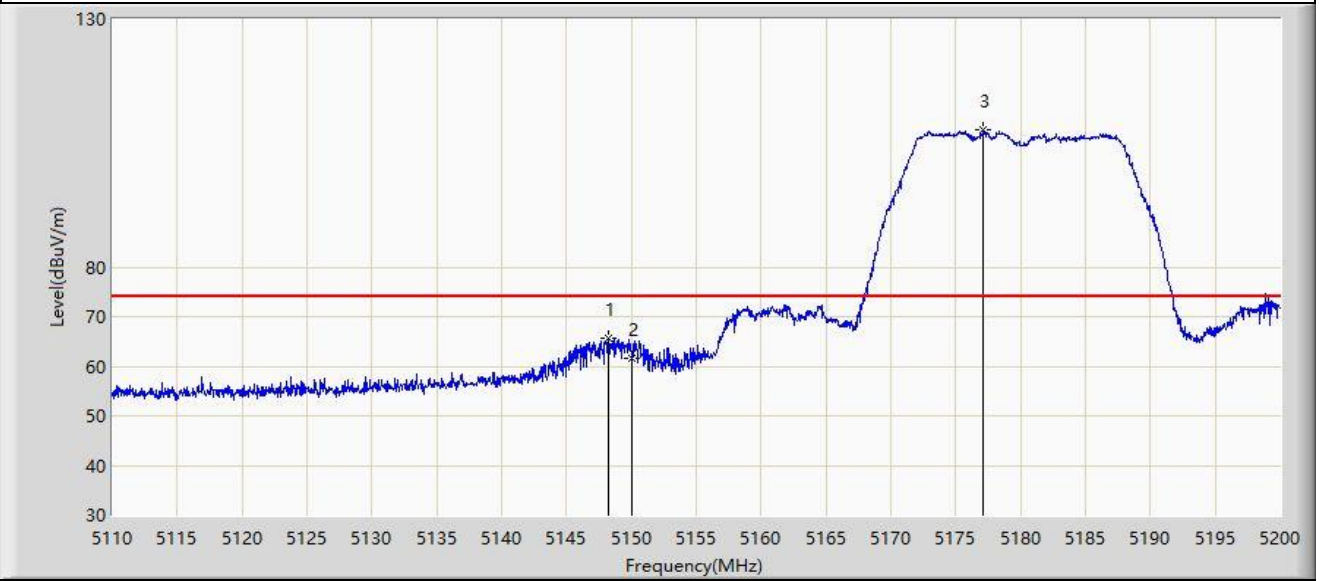
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.3 Radiated Restricted Band Edge Test Result

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5180MHz	



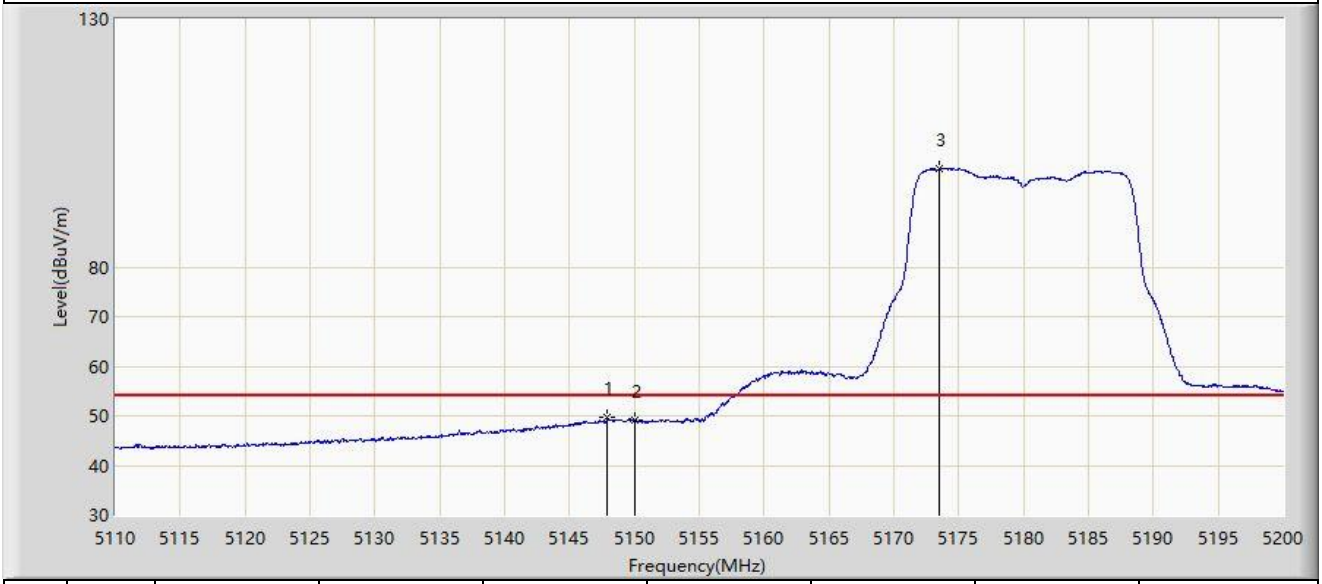
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.250	65.656	62.180	-8.344	74.000	3.476	PK
2		5150.000	61.724	58.242	-12.276	74.000	3.482	PK
3		5177.095	107.541	104.213	N/A	N/A	3.328	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5180MHz	



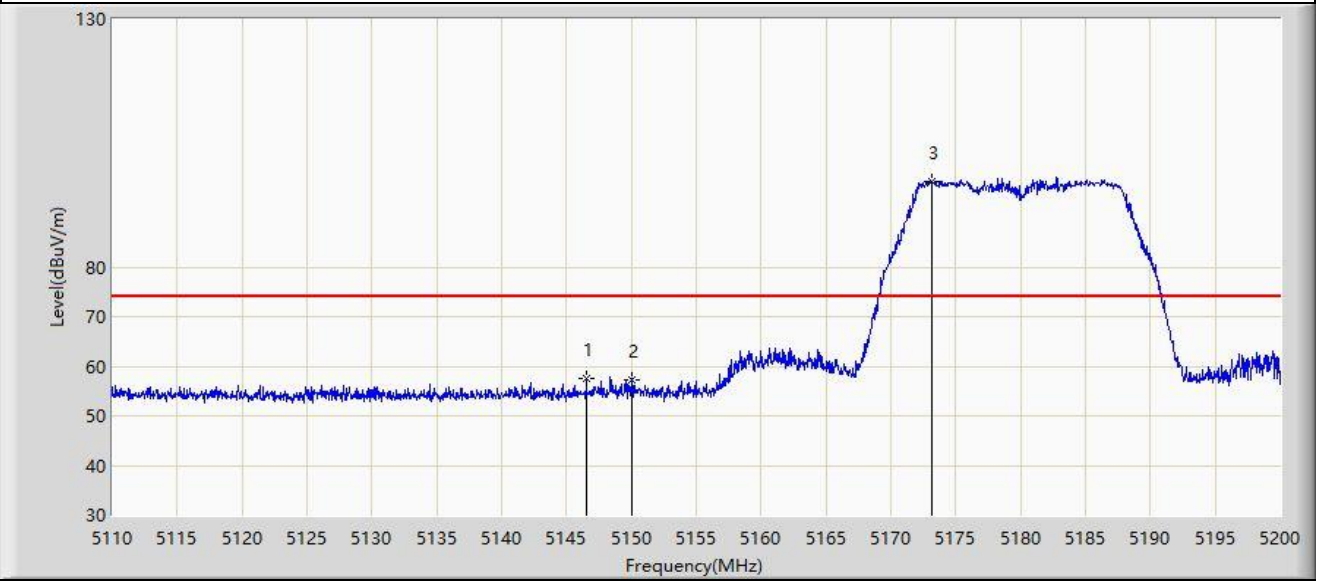
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5147.935	49.566	46.091	-4.434	54.000	3.474	AV
2		5150.000	49.225	45.743	-4.775	54.000	3.482	AV
3		5173.450	99.737	96.336	N/A	N/A	3.401	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5180MHz	



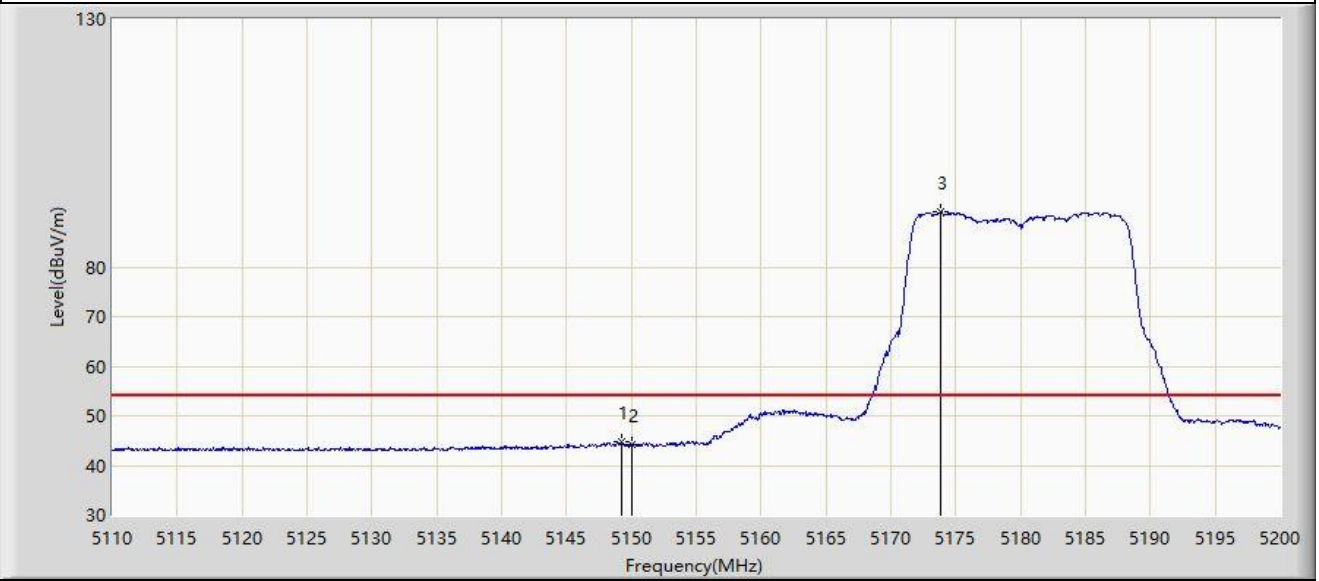
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5146.540	57.670	54.213	-16.330	74.000	3.457	PK
2		5150.000	57.120	53.638	-16.880	74.000	3.482	PK
3		5173.180	97.321	93.915	N/A	N/A	3.406	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5180MHz	



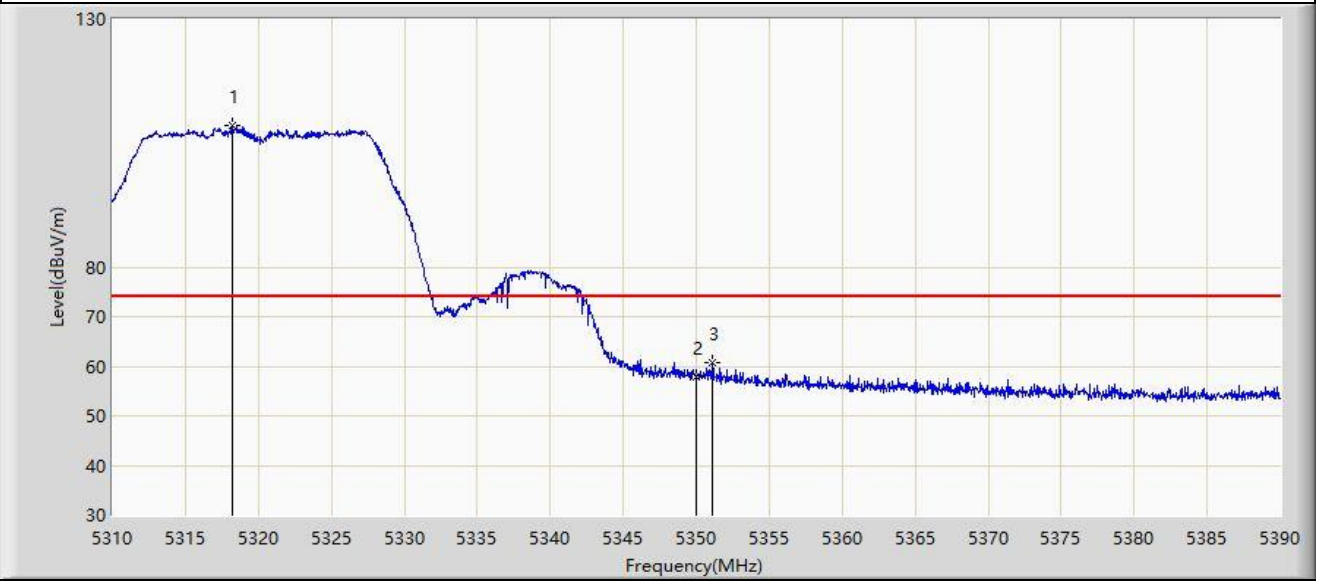
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.240	44.660	41.181	-9.340	54.000	3.479	AV
2		5150.000	44.218	40.736	-9.782	54.000	3.482	AV
3		5173.810	91.104	87.711	N/A	N/A	3.393	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5320MHz	



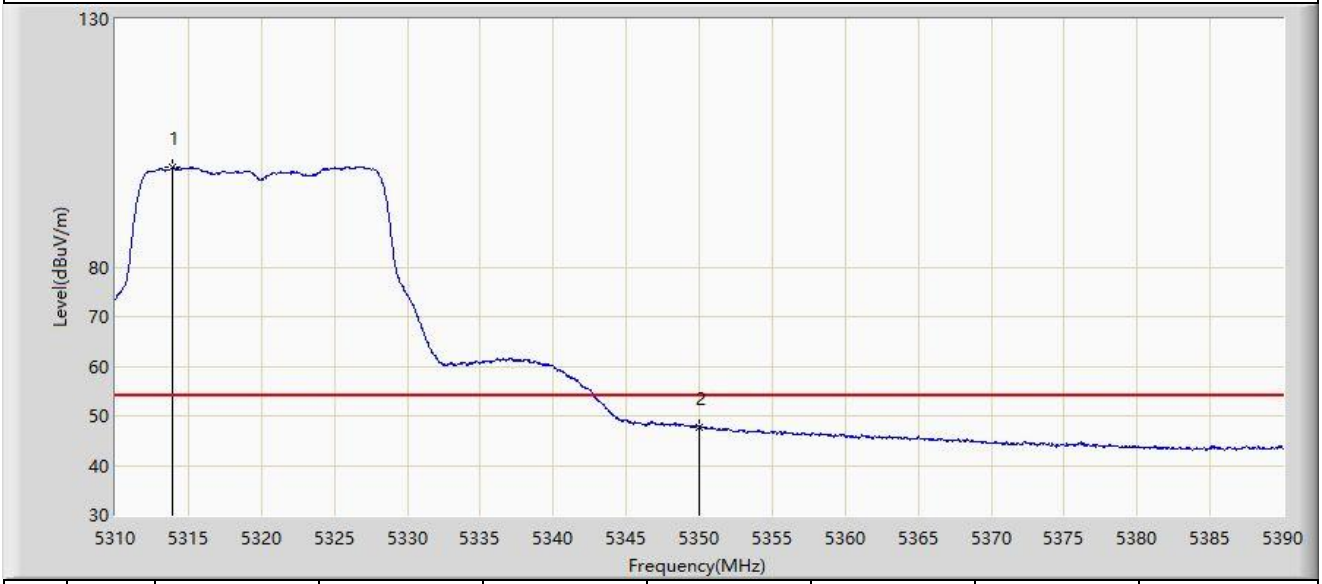
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5318.240	108.458	105.448	N/A	N/A	3.010	PK
2		5350.000	57.722	54.902	-16.278	74.000	2.820	PK
3	*	5351.080	60.604	57.802	-13.396	74.000	2.802	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5320MHz	



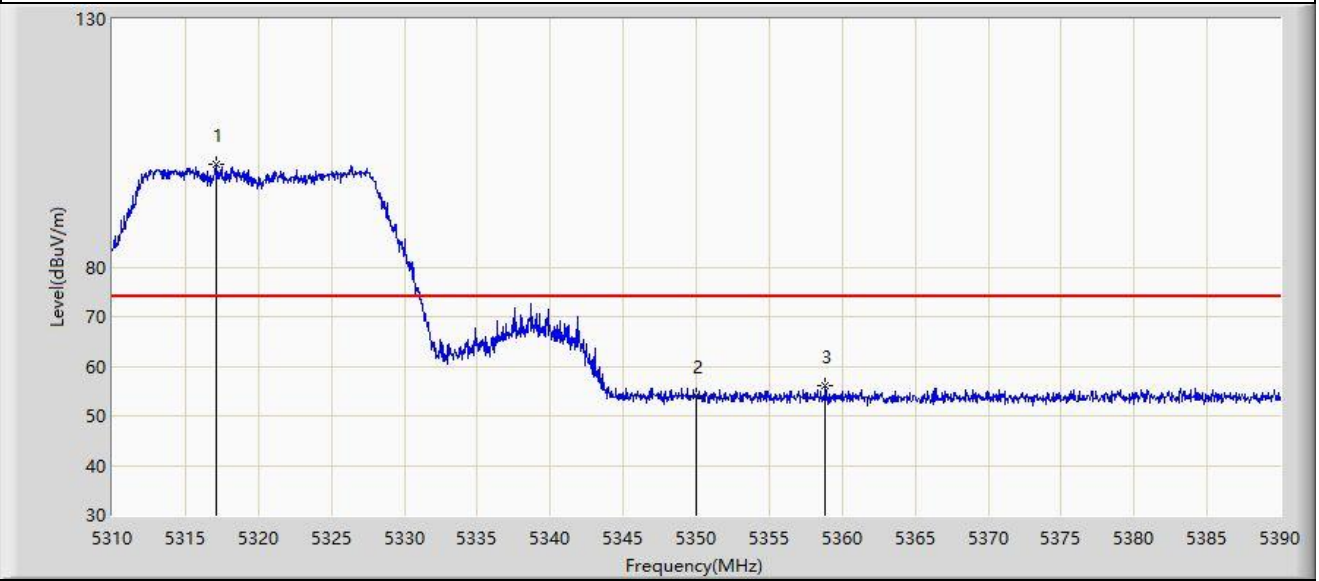
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5313.880	100.084	97.146	N/A	N/A	2.938	AV
2	*	5350.000	47.810	44.990	-6.190	54.000	2.820	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5320MHz	



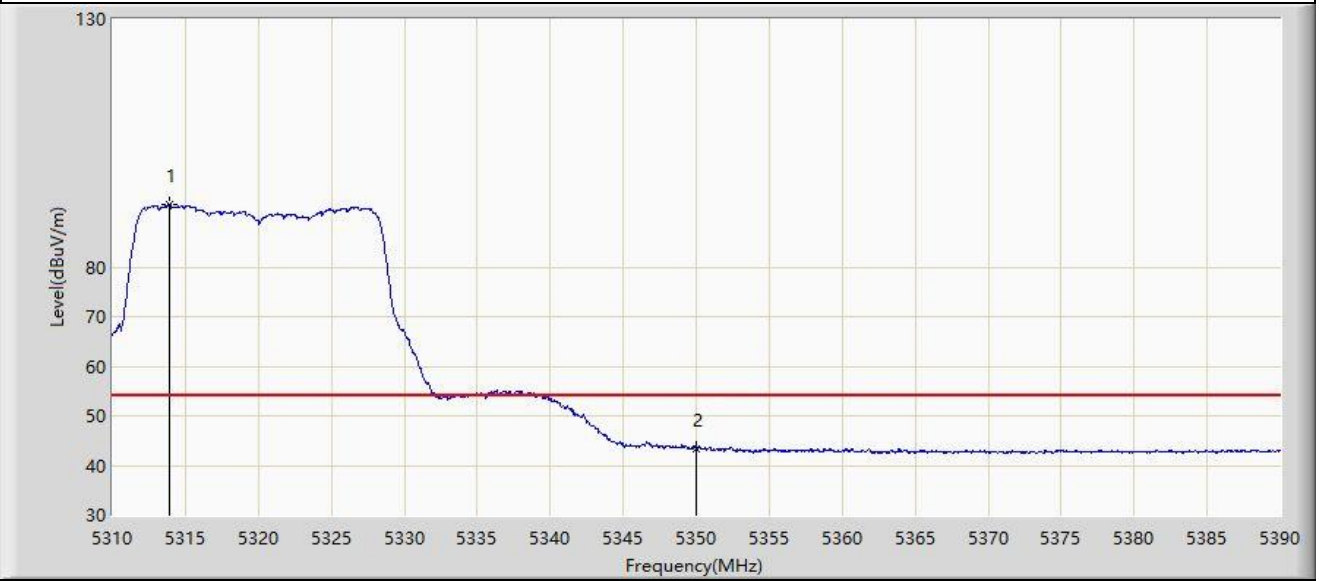
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5317.080	100.737	97.743	N/A	N/A	2.995	PK
2		5350.000	54.105	51.285	-19.895	74.000	2.820	PK
3	*	5358.840	55.947	53.130	-18.053	74.000	2.817	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5320MHz	



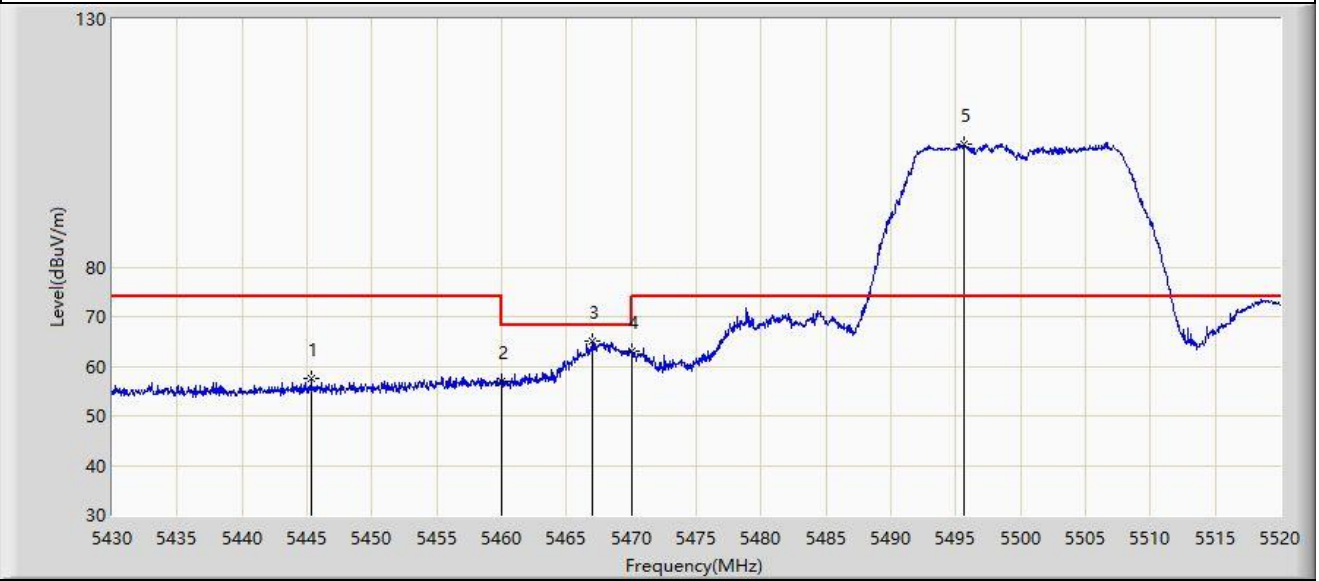
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5313.920	92.523	89.584	N/A	N/A	2.938	AV
2	*	5350.000	43.327	40.507	-10.673	54.000	2.820	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5500MHz	



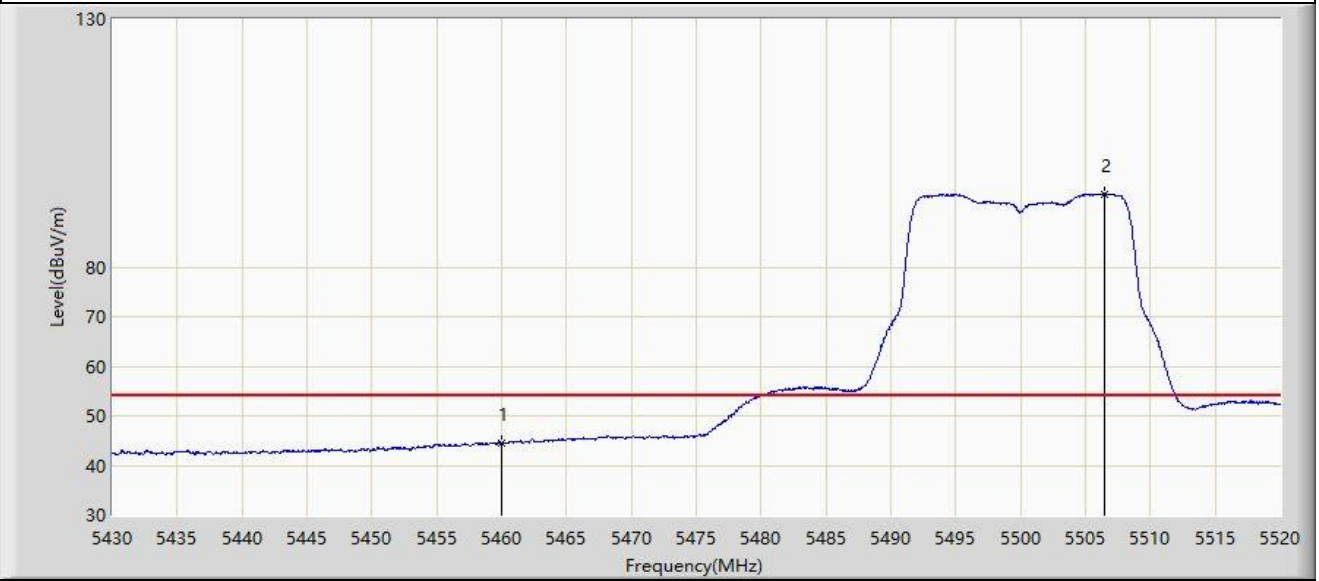
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5445.345	57.621	54.511	-16.379	74.000	3.110	PK
2		5460.000	56.996	53.847	-17.004	74.000	3.149	PK
3	*	5466.945	64.979	61.696	-3.221	68.200	3.283	PK
4		5470.000	63.093	59.751	-5.107	68.200	3.341	PK
5		5495.655	104.831	101.615	N/A	N/A	3.217	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5500MHz	



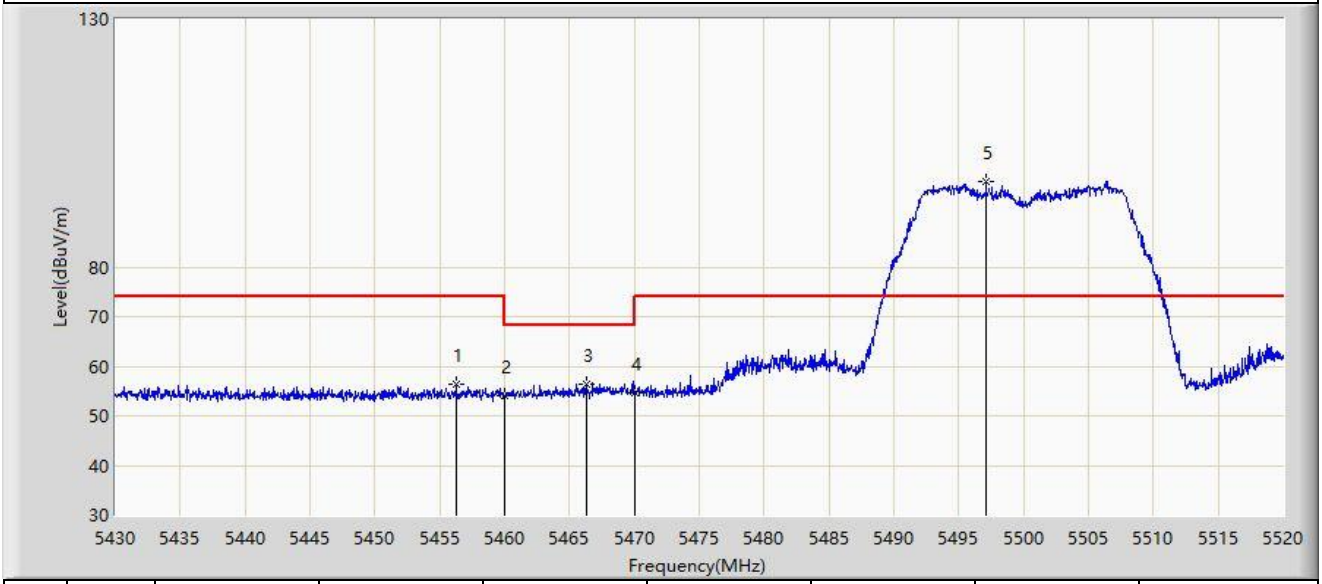
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	44.349	41.200	-9.651	54.000	3.149	AV
2		5506.455	94.768	91.632	N/A	N/A	3.135	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5500MHz	



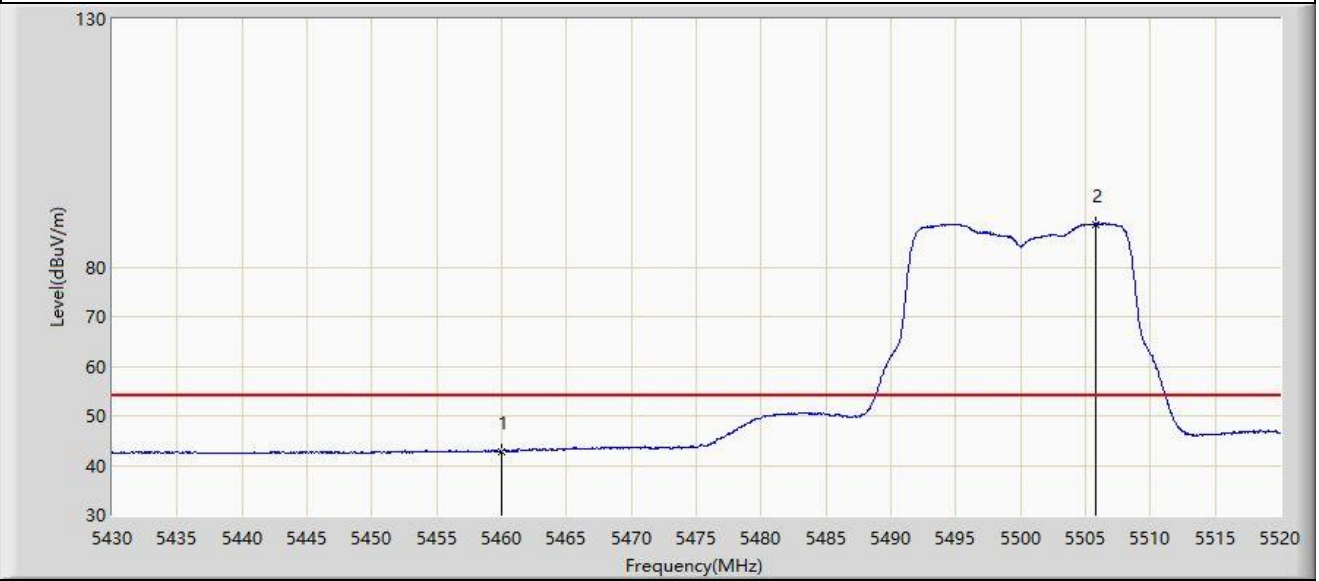
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5456.280	56.381	53.301	-17.619	74.000	3.080	PK
2		5460.000	54.147	50.998	-19.853	74.000	3.149	PK
3	*	5466.360	56.365	53.093	-11.835	68.200	3.272	PK
4		5470.000	54.745	51.403	-13.455	68.200	3.341	PK
5		5497.095	97.141	93.935	N/A	N/A	3.206	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5500MHz	



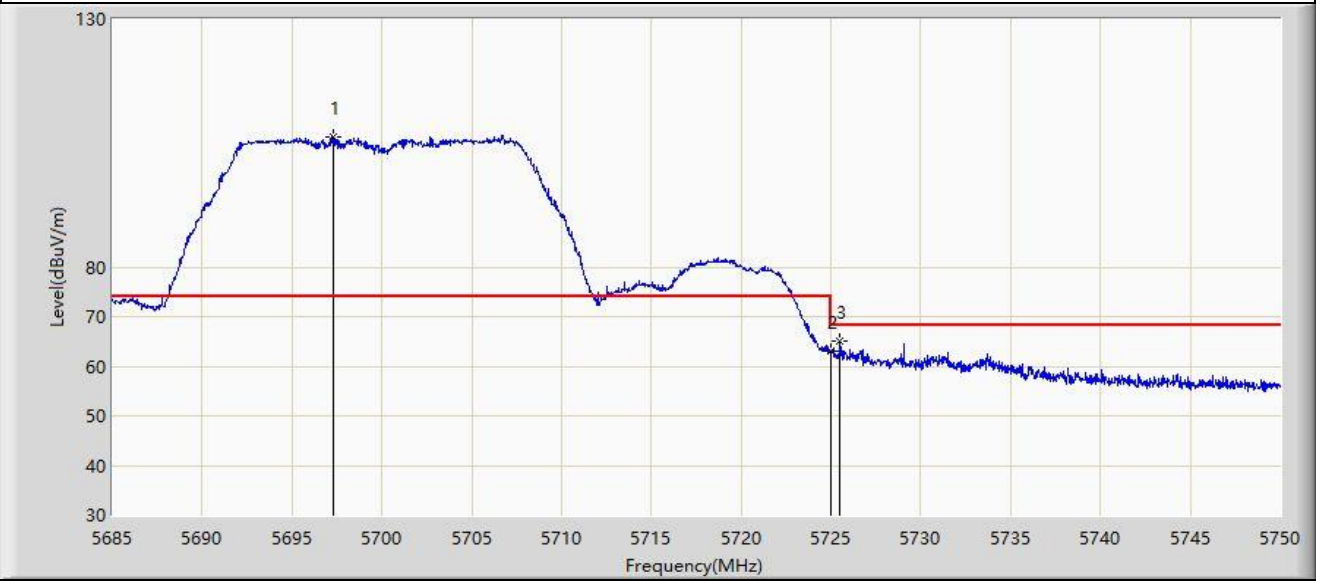
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	42.854	39.705	-11.146	54.000	3.149	AV
2		5505.825	88.674	85.532	N/A	N/A	3.142	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5700MHz	



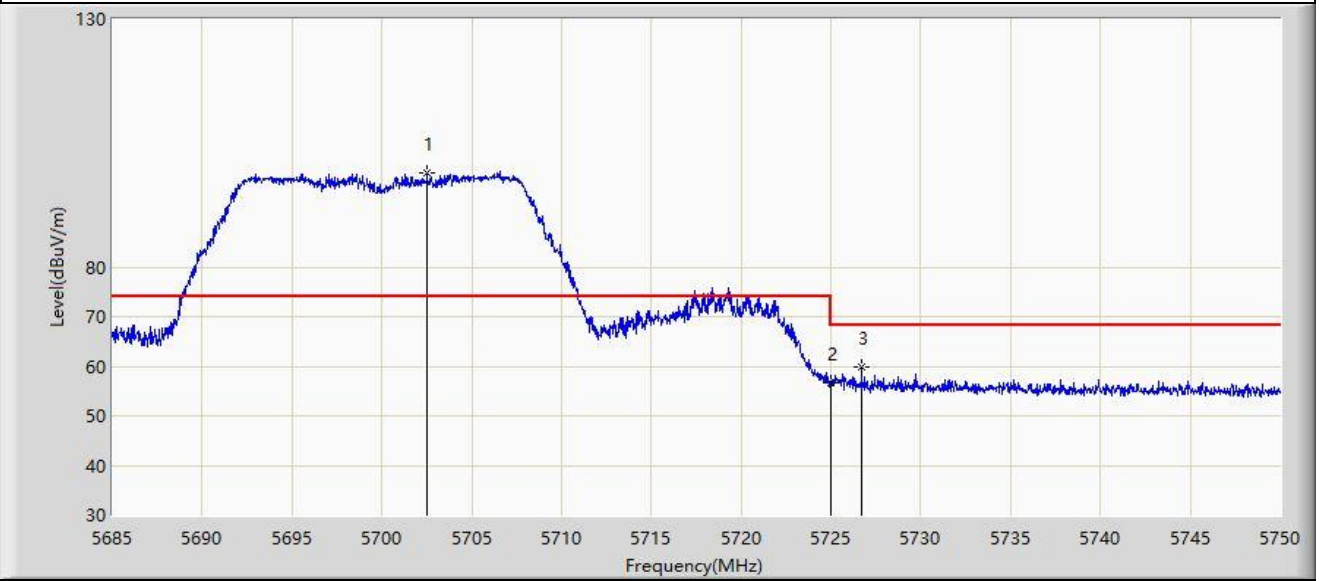
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5697.285	106.278	101.883	N/A	N/A	4.395	PK
2		5725.000	62.924	58.221	-5.276	68.200	4.703	PK
3	*	5725.495	64.975	60.268	-3.225	68.200	4.707	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5700MHz	



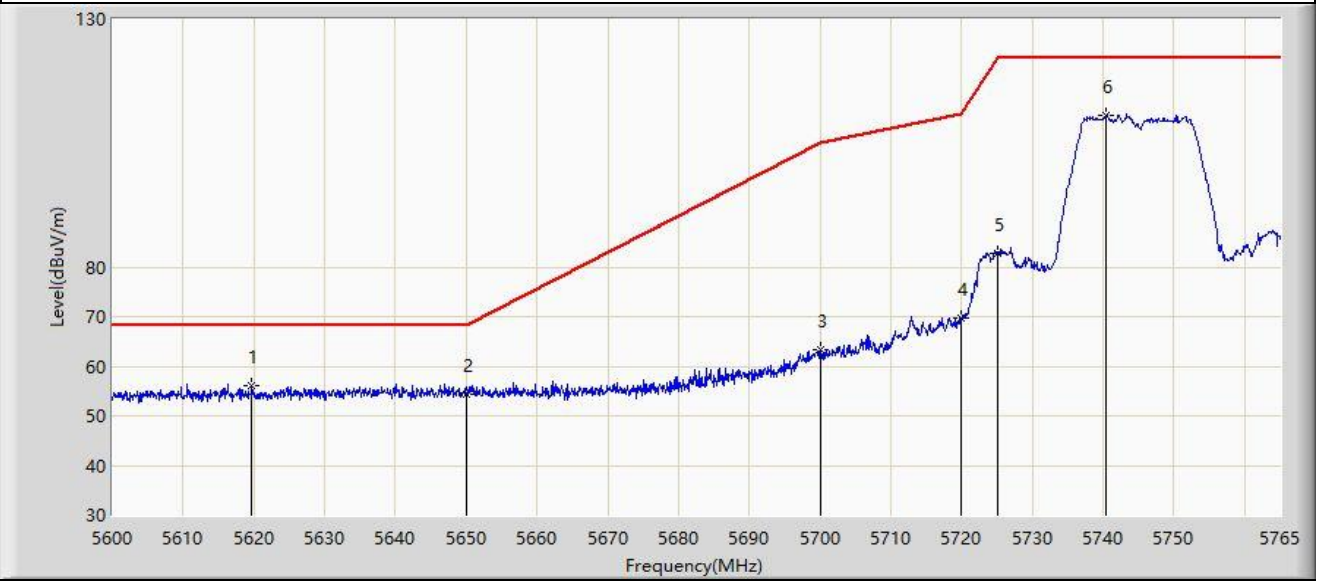
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5702.518	98.948	94.473	N/A	N/A	4.474	PK
2		5725.000	56.571	51.868	-11.629	68.200	4.703	PK
3	*	5726.697	59.850	55.147	-8.350	68.200	4.703	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5745MHz	



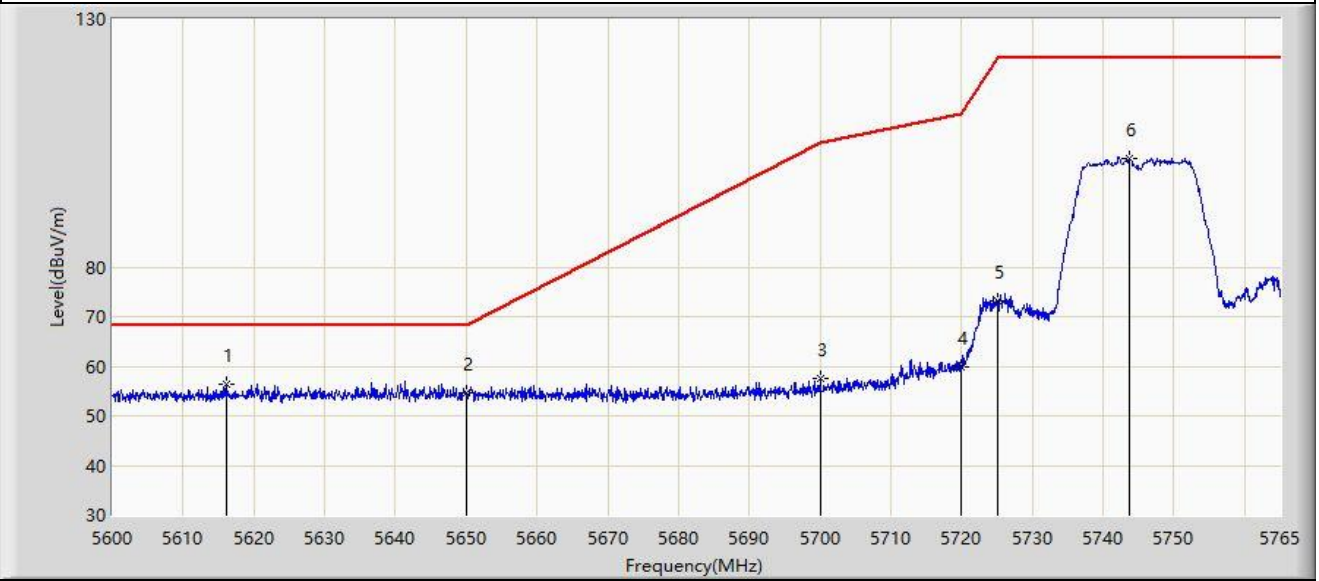
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5619.635	56.023	52.188	-12.177	68.200	3.835	PK
2		5650.000	54.386	50.263	-13.814	68.200	4.122	PK
3		5700.000	63.199	58.762	-42.001	105.200	4.437	PK
4		5720.000	69.798	65.134	-41.002	110.800	4.663	PK
5		5725.000	82.663	77.960	-39.537	122.200	4.703	PK
6		5740.415	110.650	106.190	N/A	N/A	4.460	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5745MHz	



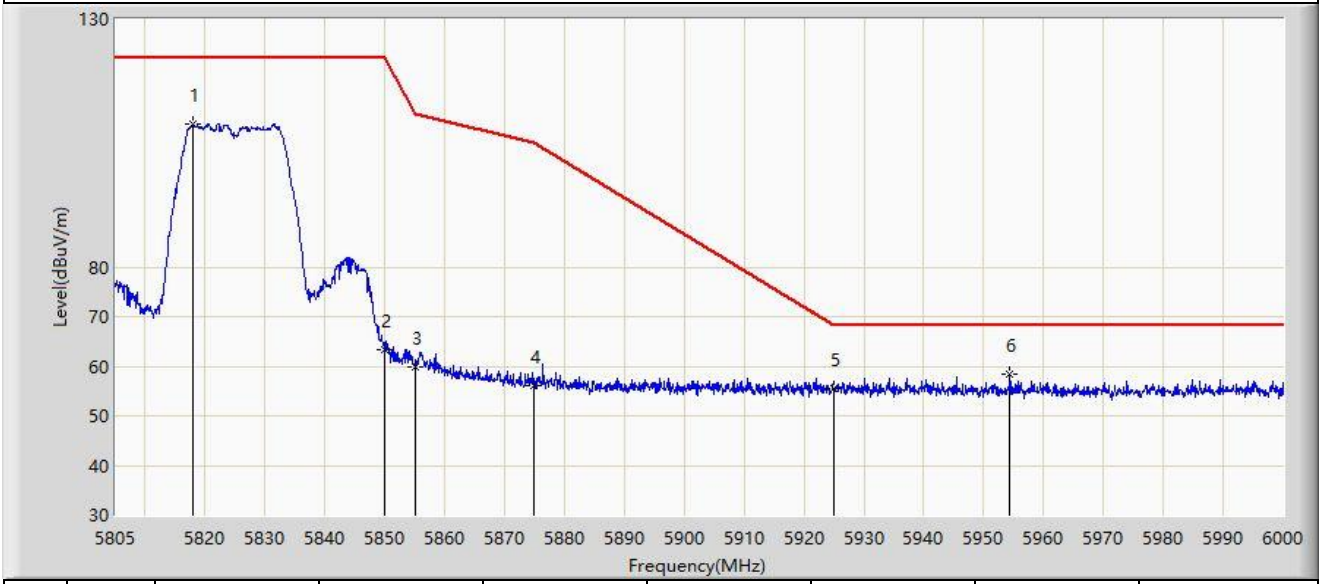
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5616.087	56.423	52.672	-11.777	68.200	3.751	PK
2		5650.000	54.607	50.484	-13.593	68.200	4.122	PK
3		5700.000	57.455	53.018	-47.745	105.200	4.437	PK
4		5720.000	59.723	55.059	-51.077	110.800	4.663	PK
5		5725.000	73.098	68.395	-49.102	122.200	4.703	PK
6		5743.632	101.948	97.534	N/A	N/A	4.414	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5825MHz	



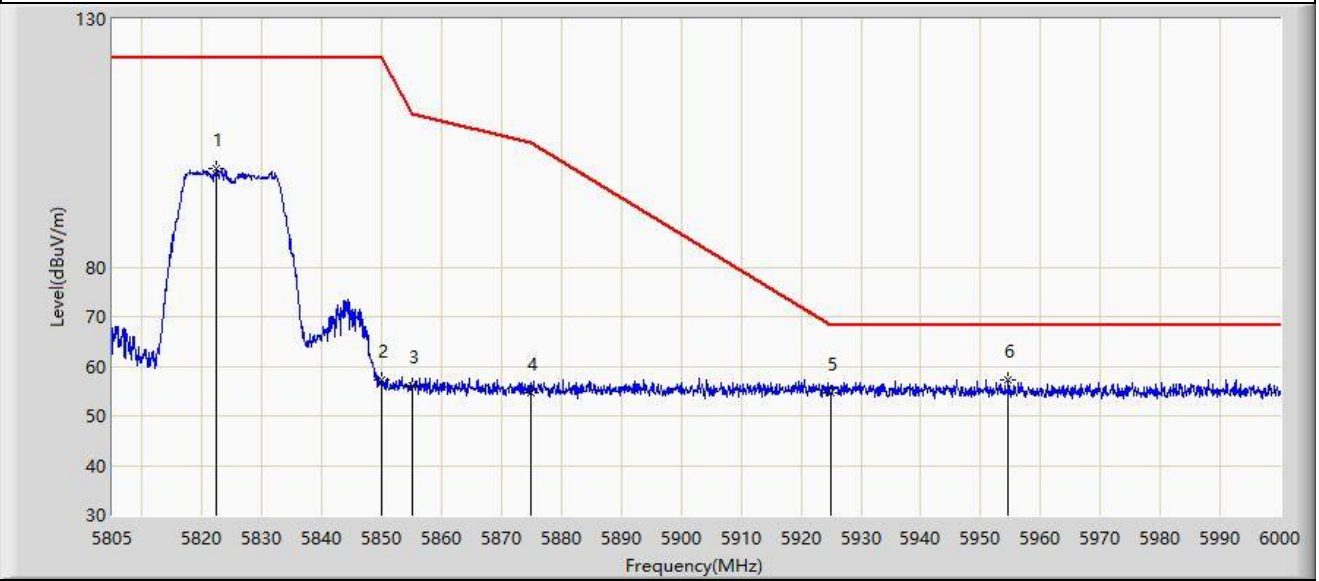
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5817.870	108.790	103.843	N/A	N/A	4.947	PK
2		5850.000	63.371	58.388	-58.829	122.200	4.984	PK
3		5855.000	59.995	54.957	-50.805	110.800	5.038	PK
4		5875.000	56.086	50.955	-49.114	105.200	5.131	PK
5		5925.000	55.371	50.136	-12.829	68.200	5.236	PK
6	*	5954.370	58.381	53.008	-9.819	68.200	5.373	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11a at 5825MHz	



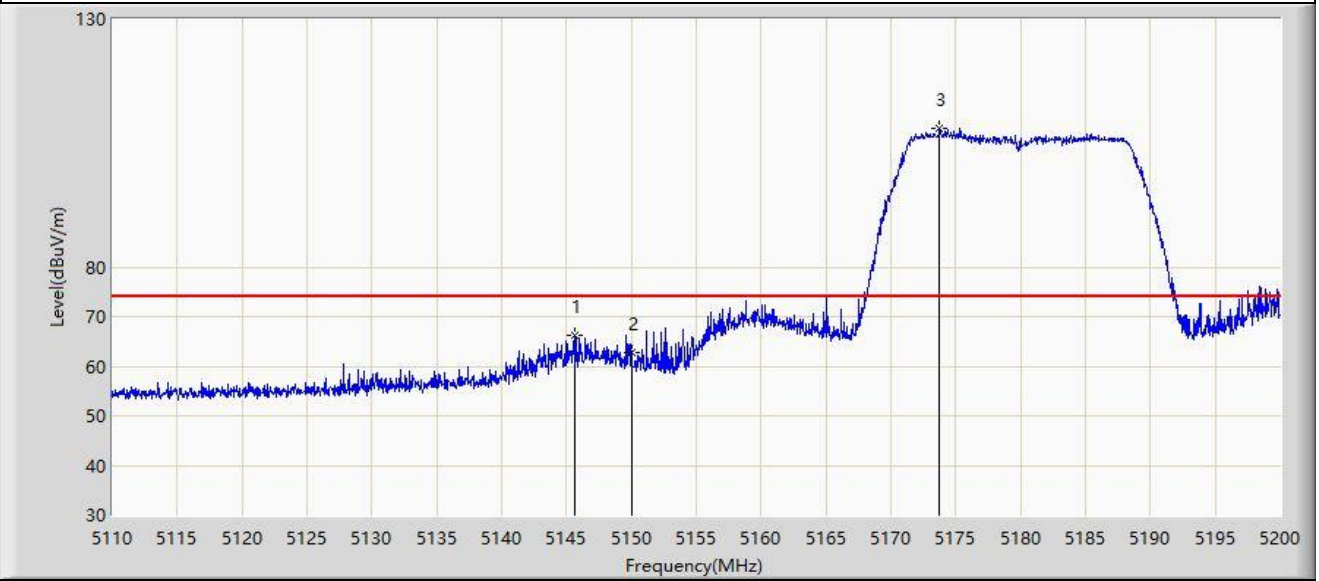
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5822.257	99.835	94.938	N/A	N/A	4.897	PK
2		5850.000	57.102	52.119	-65.098	122.200	4.984	PK
3		5855.000	55.946	50.908	-54.854	110.800	5.038	PK
4		5875.000	54.739	49.608	-50.461	105.200	5.131	PK
5		5925.000	54.602	49.367	-13.598	68.200	5.236	PK
6	*	5954.663	57.237	51.863	-10.963	68.200	5.375	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



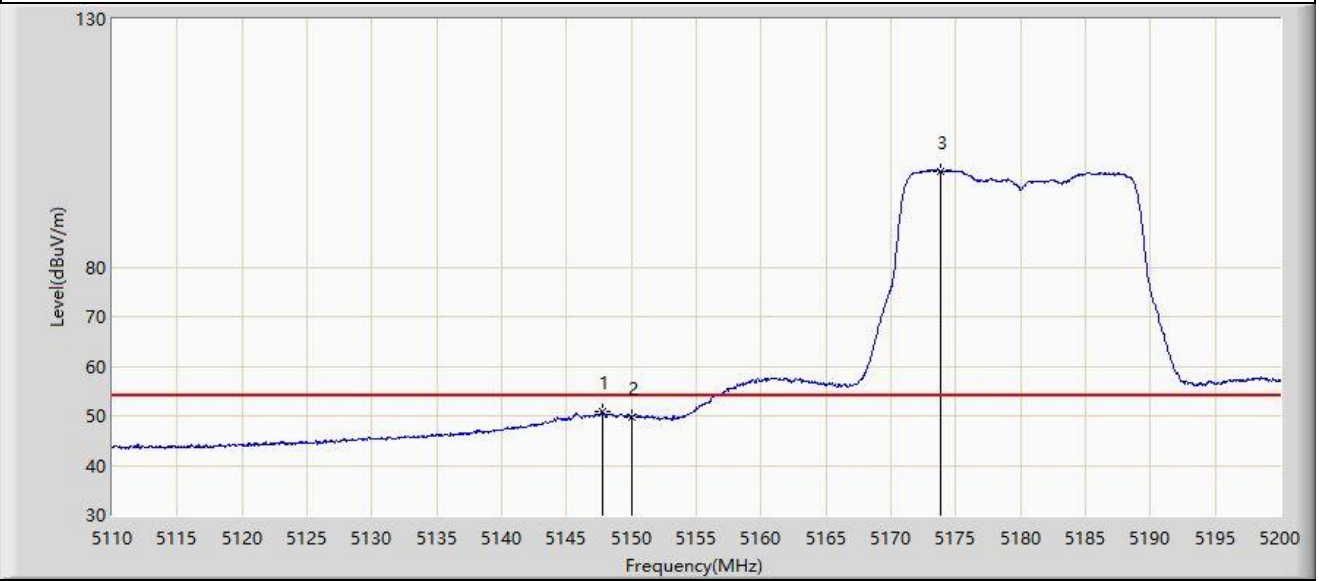
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5145.685	66.194	62.748	-7.806	74.000	3.446	PK
2		5150.000	62.779	59.297	-11.221	74.000	3.482	PK
3		5173.765	107.884	104.490	N/A	N/A	3.394	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



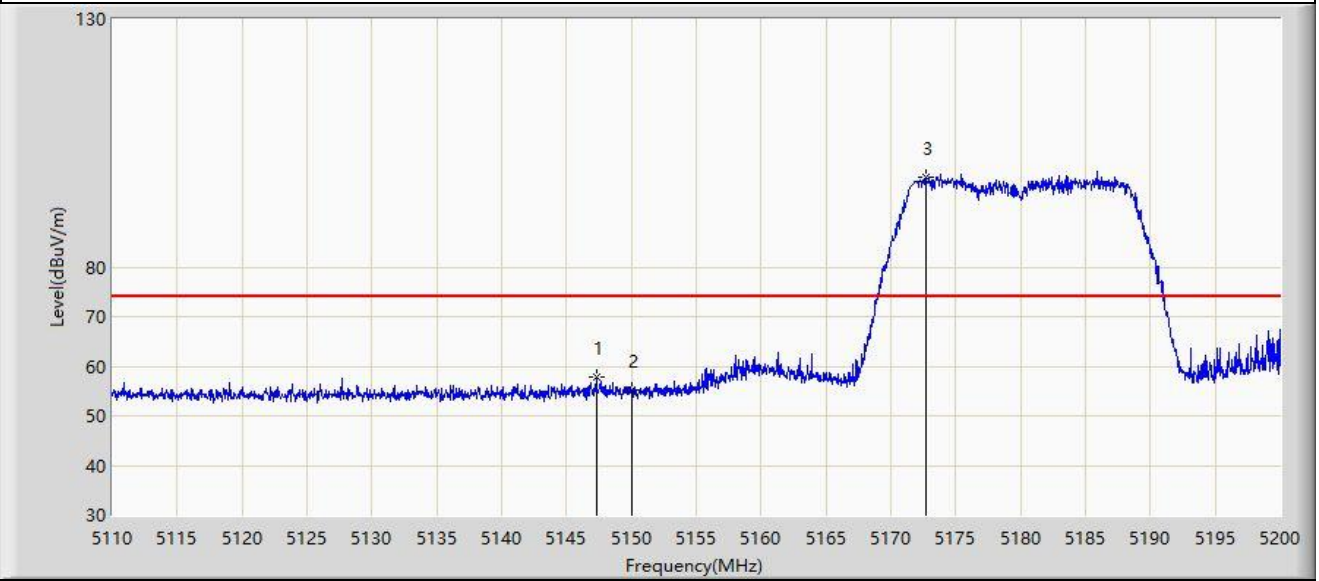
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5147.755	50.898	47.426	-3.102	54.000	3.472	AV
2		5150.000	49.830	46.348	-4.170	54.000	3.482	AV
3		5173.855	99.411	96.019	N/A	N/A	3.392	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



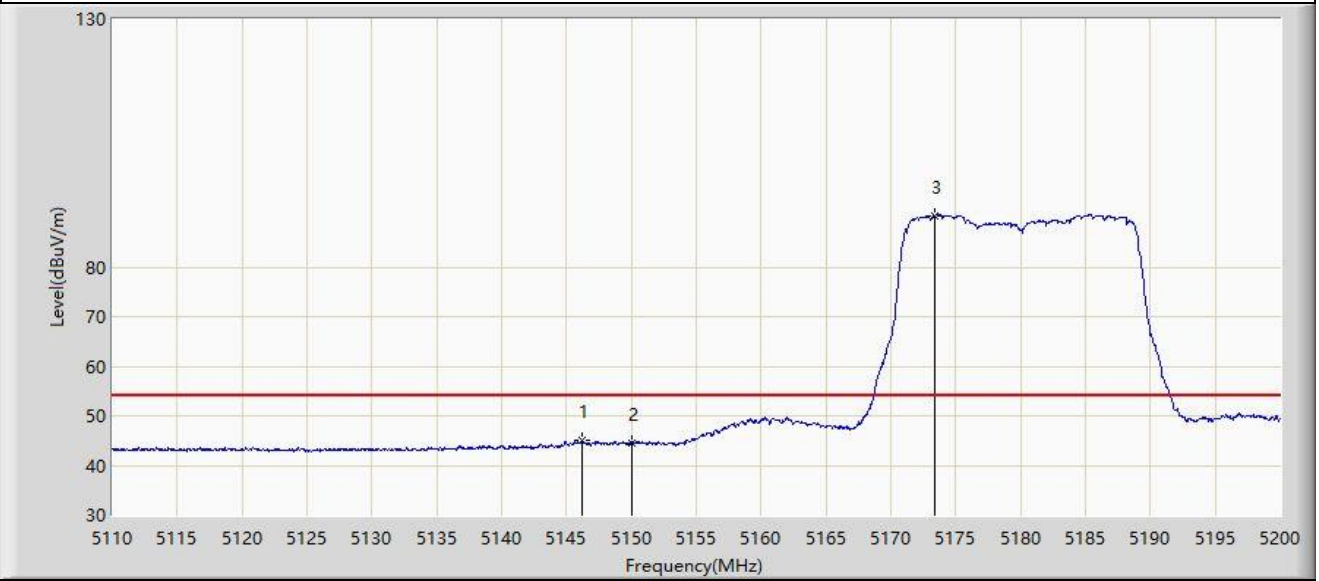
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5147.305	57.827	54.360	-16.173	74.000	3.467	PK
2		5150.000	55.158	51.676	-18.842	74.000	3.482	PK
3		5172.685	98.017	94.601	N/A	N/A	3.416	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



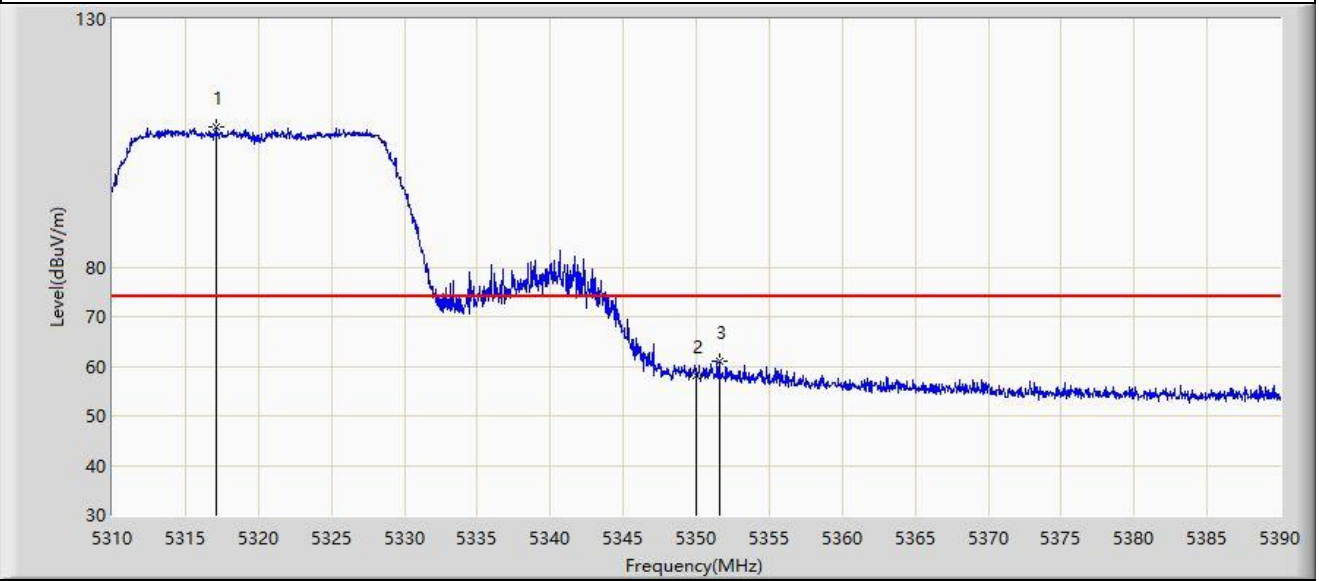
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5146.180	44.989	41.536	-9.011	54.000	3.453	AV
2		5150.000	44.622	41.140	-9.378	54.000	3.482	AV
3		5173.405	90.408	87.007	N/A	N/A	3.401	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



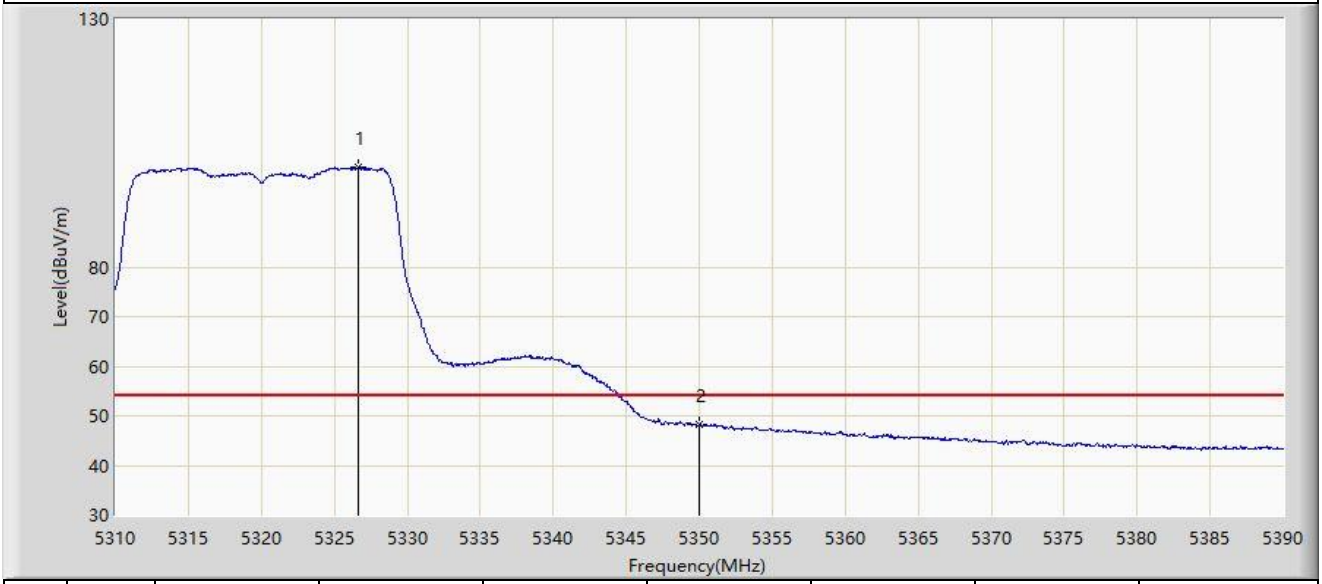
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5317.120	108.252	105.257	N/A	N/A	2.996	PK
2		5350.000	58.149	55.329	-15.851	74.000	2.820	PK
3	*	5351.560	60.930	58.136	-13.070	74.000	2.793	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



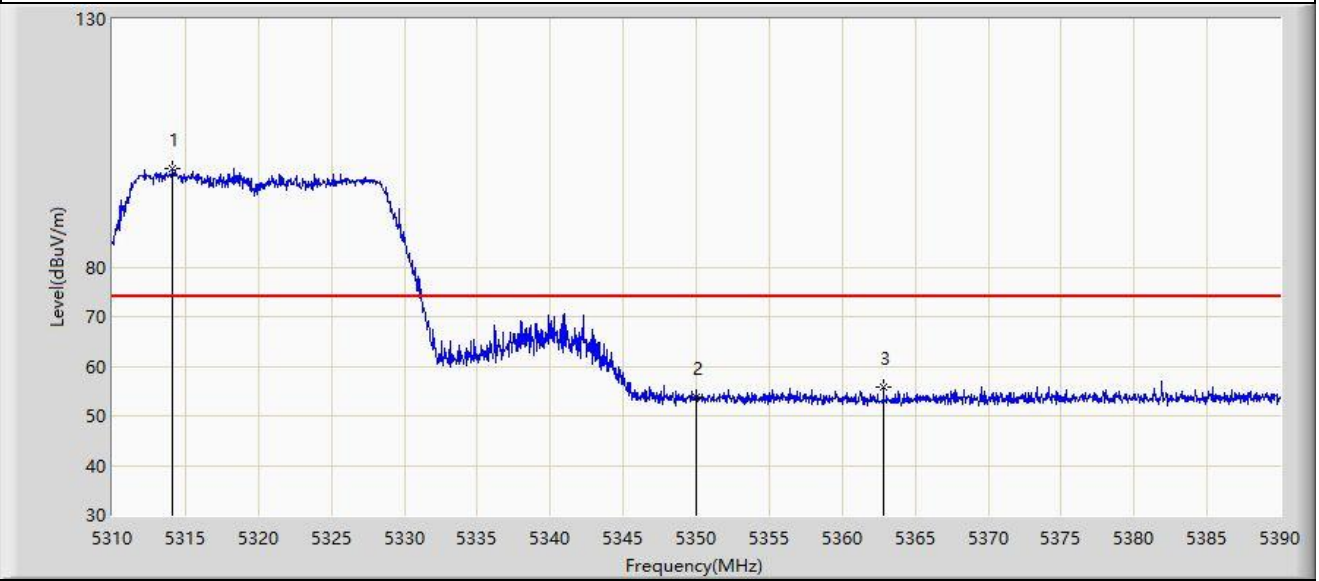
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.640	100.091	97.095	N/A	N/A	2.996	AV
2	*	5350.000	48.117	45.297	-5.883	54.000	2.820	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



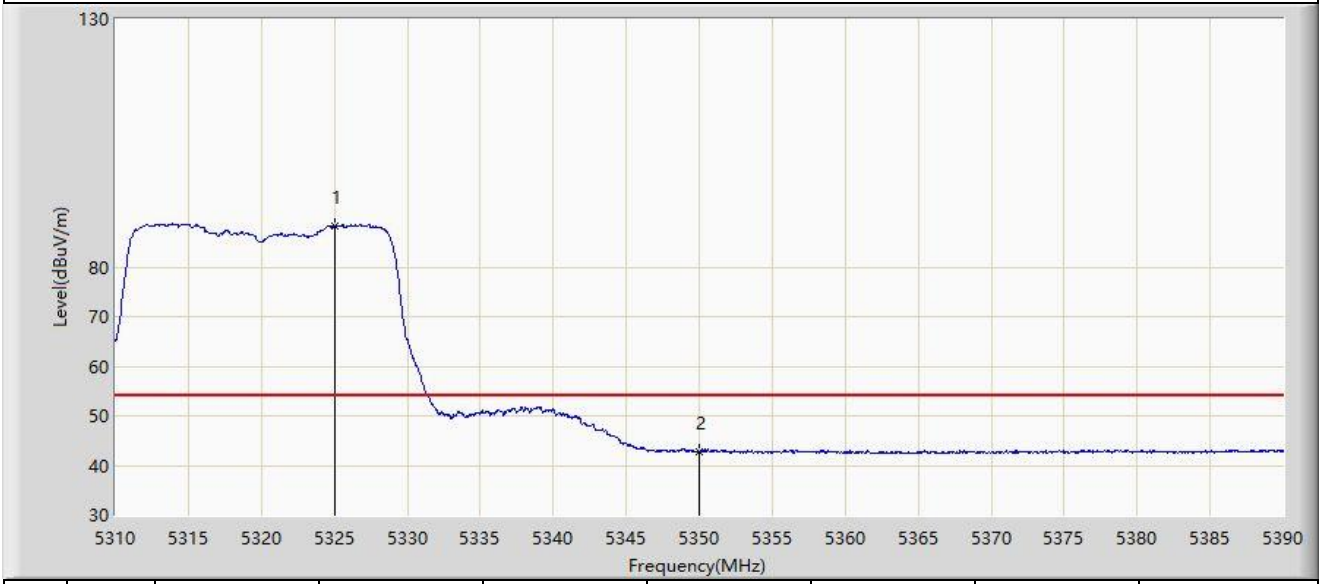
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5314.160	99.769	96.826	N/A	N/A	2.943	PK
2		5350.000	53.794	50.974	-20.206	74.000	2.820	PK
3	*	5362.840	55.760	52.925	-18.240	74.000	2.834	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



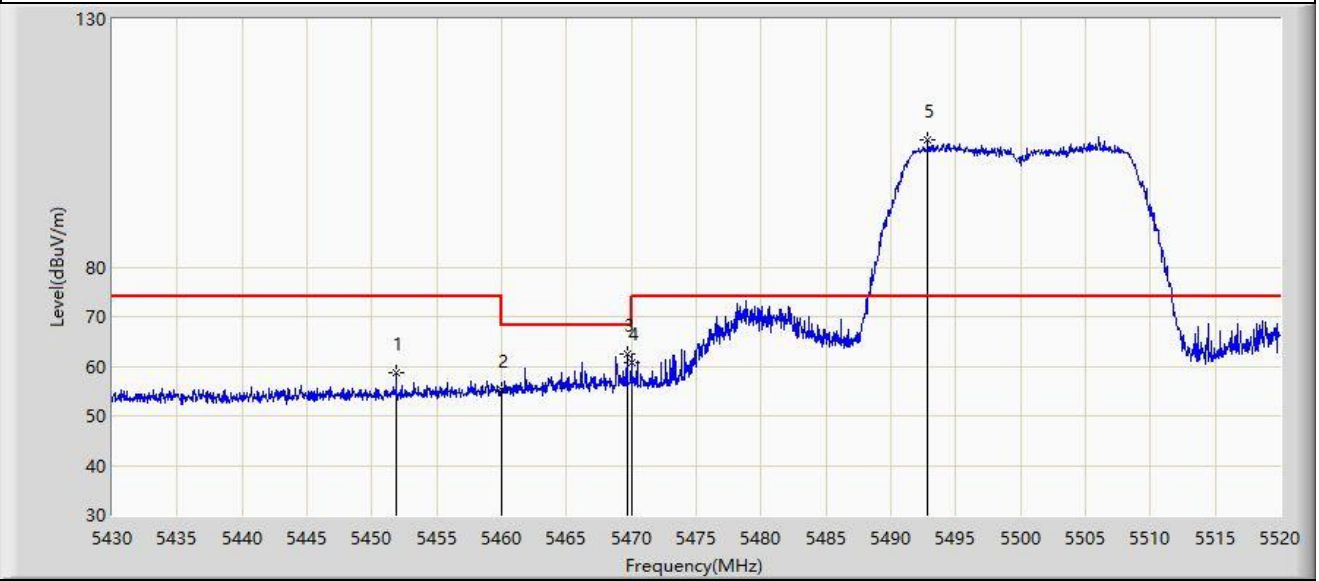
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.040	88.282	85.283	N/A	N/A	2.999	AV
2	*	5350.000	42.723	39.903	-11.277	54.000	2.820	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



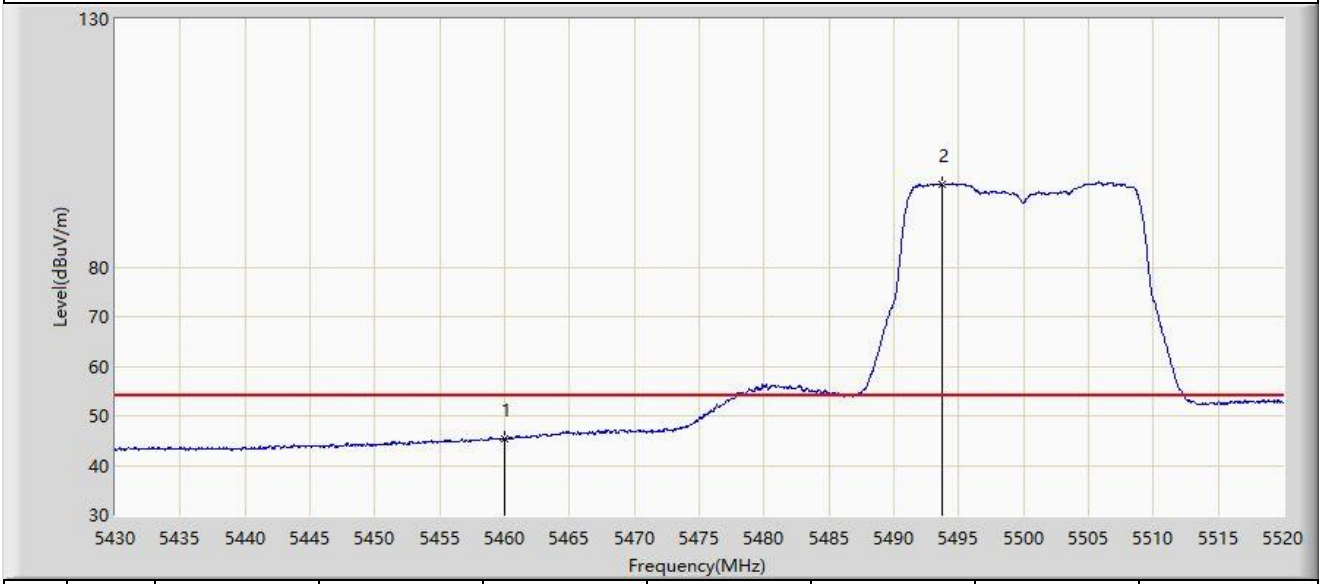
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5451.870	58.745	55.684	-15.255	74.000	3.060	PK
2		5460.000	55.077	51.928	-18.923	74.000	3.149	PK
3	*	5469.645	62.567	59.232	-5.633	68.200	3.335	PK
4		5470.000	60.721	57.379	-7.479	68.200	3.341	PK
5		5492.865	105.609	102.373	N/A	N/A	3.236	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



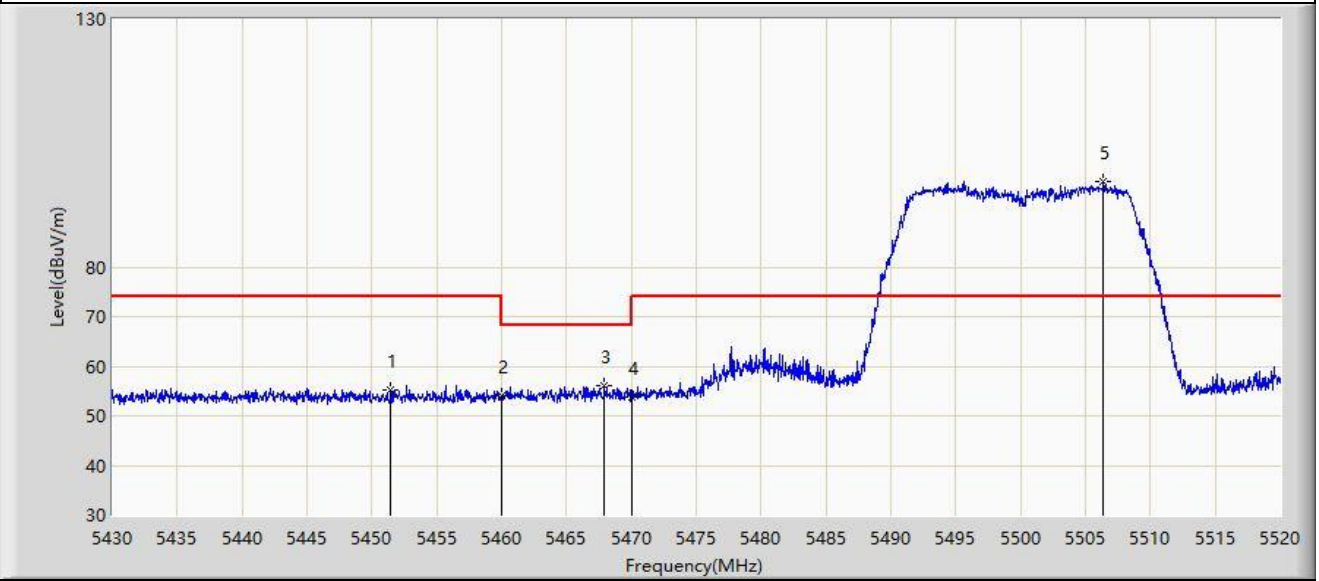
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	45.340	42.191	-8.660	54.000	3.149	AV
2		5493.765	96.766	93.537	N/A	N/A	3.230	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



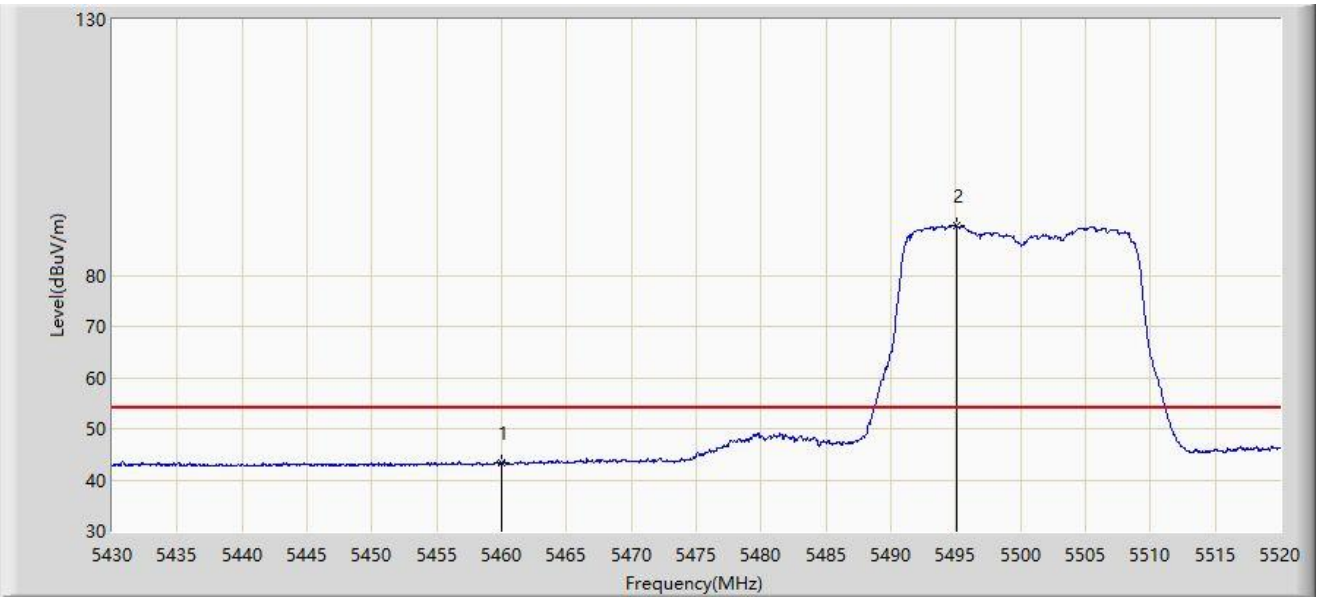
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5451.465	55.324	52.260	-18.676	74.000	3.064	PK
2		5460.000	54.003	50.854	-19.997	74.000	3.149	PK
3	*	5467.890	56.203	52.902	-11.997	68.200	3.301	PK
4		5470.000	53.858	50.516	-14.342	68.200	3.341	PK
5		5506.365	97.305	94.169	N/A	N/A	3.136	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



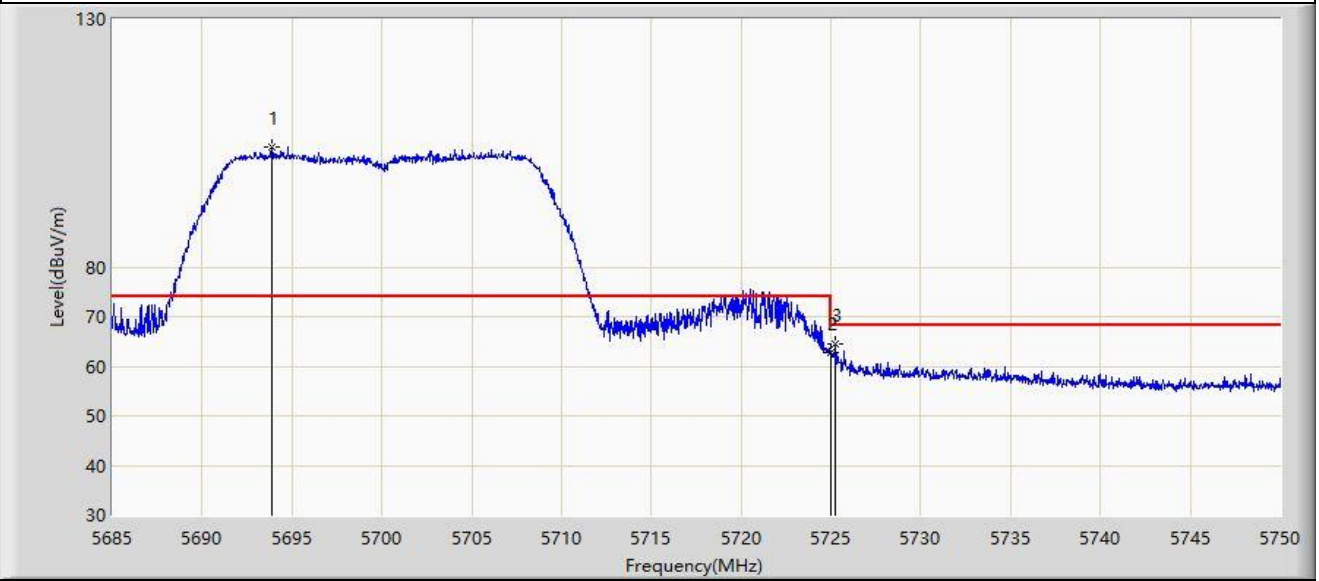
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	43.223	40.074	-10.777	54.000	3.149	AV
2		5495.025	89.707	86.486	N/A	N/A	3.220	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5700MHz	



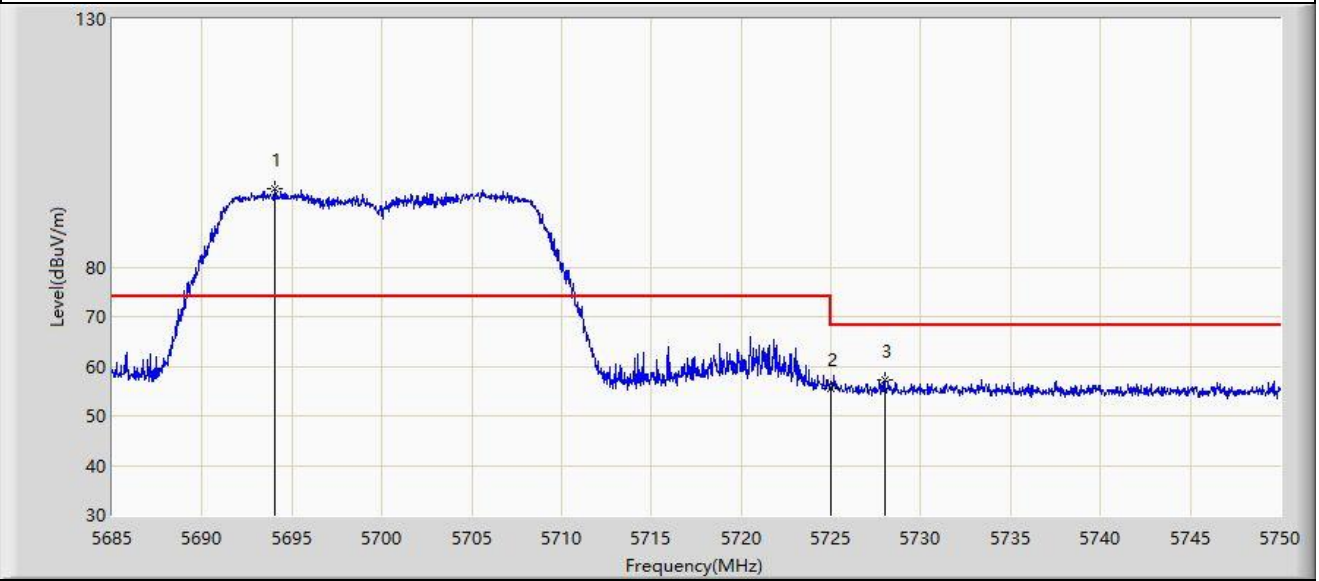
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5693.905	104.205	99.861	N/A	N/A	4.344	PK
2		5725.000	62.844	58.141	-5.356	68.200	4.703	PK
3	*	5725.235	64.400	59.695	-3.800	68.200	4.705	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5700MHz	



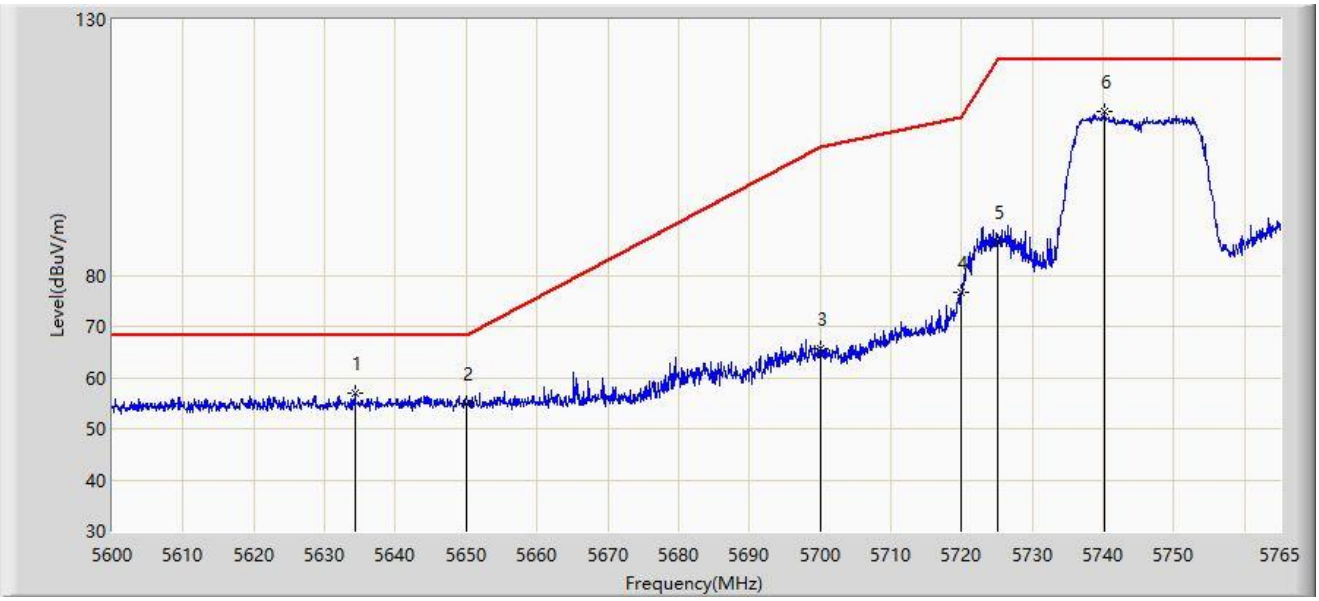
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5694.067	95.727	91.381	N/A	N/A	4.346	PK
2		5725.000	55.584	50.881	-12.616	68.200	4.703	PK
3	*	5727.998	57.351	52.671	-10.849	68.200	4.679	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



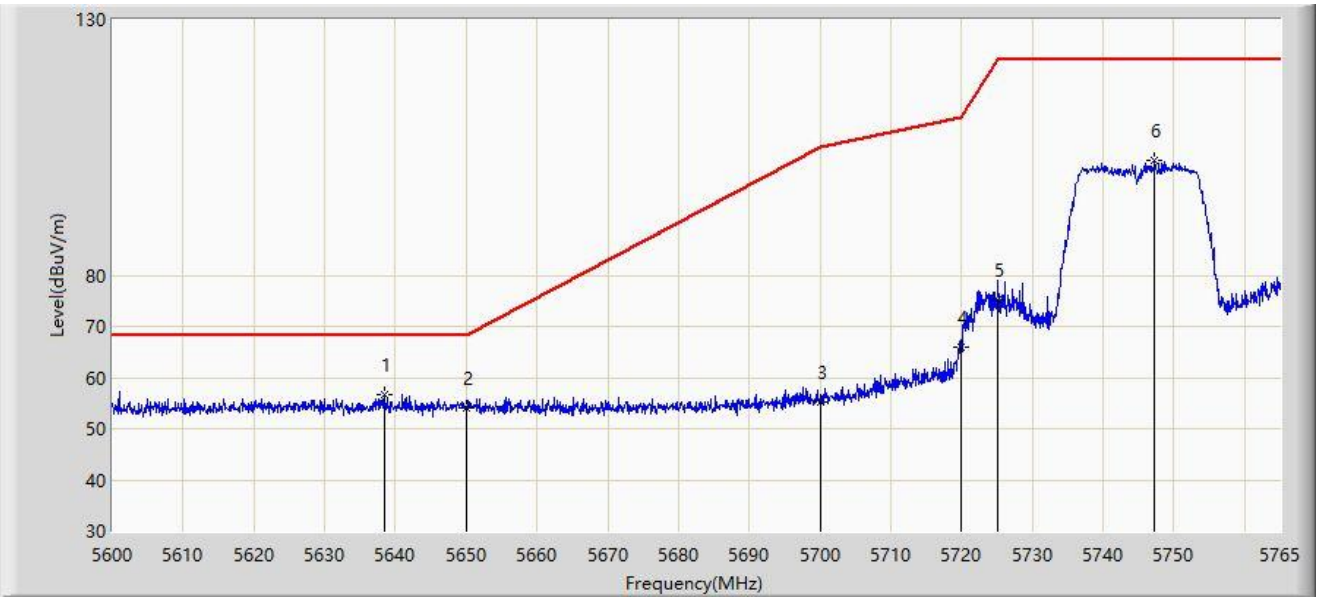
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5634.237	56.817	52.737	-11.383	68.200	4.080	PK
2		5650.000	54.848	50.725	-13.352	68.200	4.122	PK
3		5700.000	65.729	61.292	-39.471	105.200	4.437	PK
4		5720.000	76.552	71.888	-34.248	110.800	4.663	PK
5		5725.000	86.470	81.767	-35.730	122.200	4.703	PK
6		5740.085	111.888	107.422	N/A	N/A	4.466	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



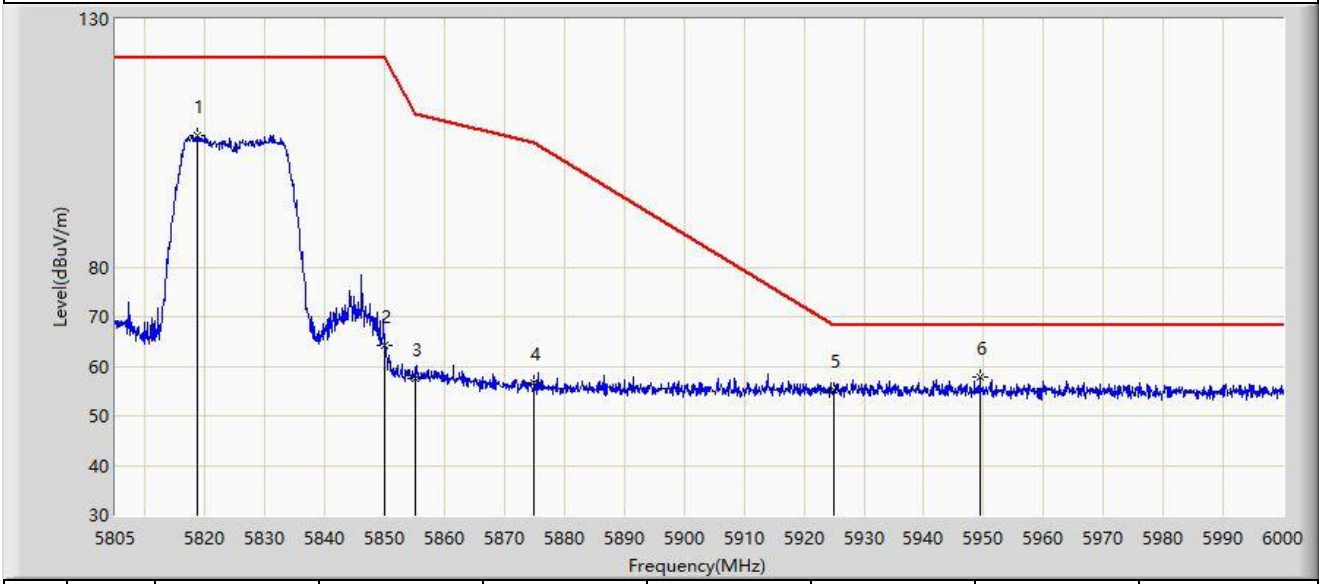
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5638.527	56.683	52.549	-11.517	68.200	4.134	PK
2		5650.000	54.087	49.964	-14.113	68.200	4.122	PK
3		5700.000	55.249	50.812	-49.951	105.200	4.437	PK
4		5720.000	66.058	61.394	-44.742	110.800	4.663	PK
5		5725.000	75.230	70.527	-46.970	122.200	4.703	PK
6		5747.263	102.440	97.992	N/A	N/A	4.448	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



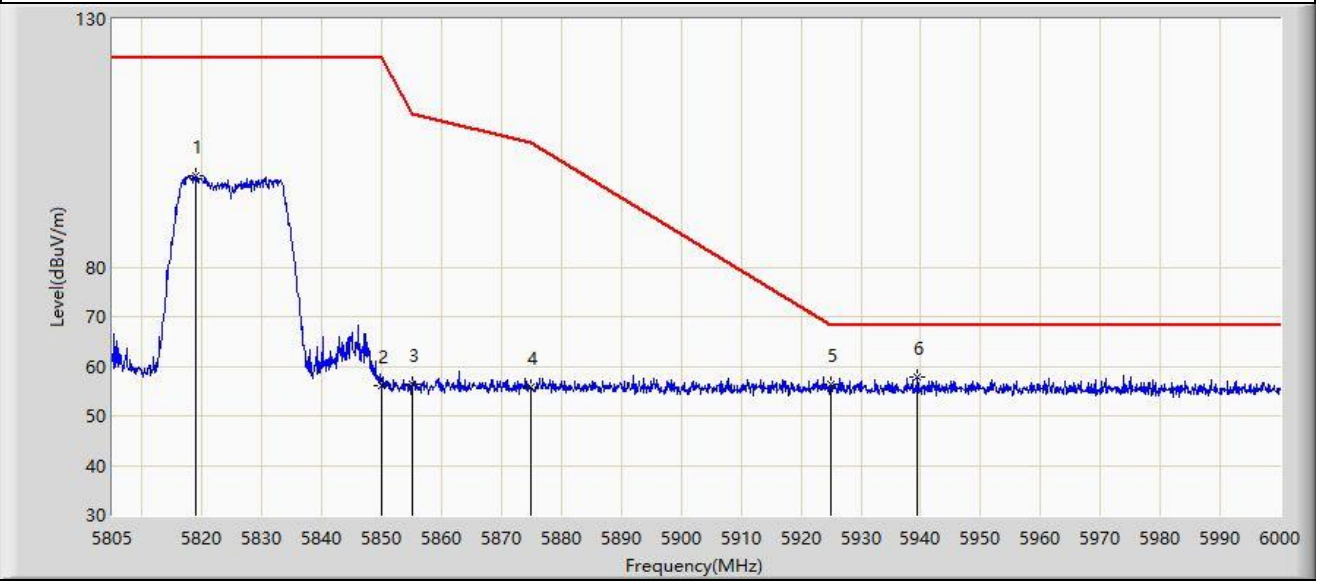
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5818.748	106.583	101.646	N/A	N/A	4.936	PK
2		5850.000	64.086	59.103	-58.114	122.200	4.984	PK
3		5855.000	57.512	52.474	-53.288	110.800	5.038	PK
4		5875.000	56.737	51.606	-48.463	105.200	5.131	PK
5		5925.000	55.224	49.989	-12.976	68.200	5.236	PK
6	*	5949.300	57.783	52.429	-10.417	68.200	5.354	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



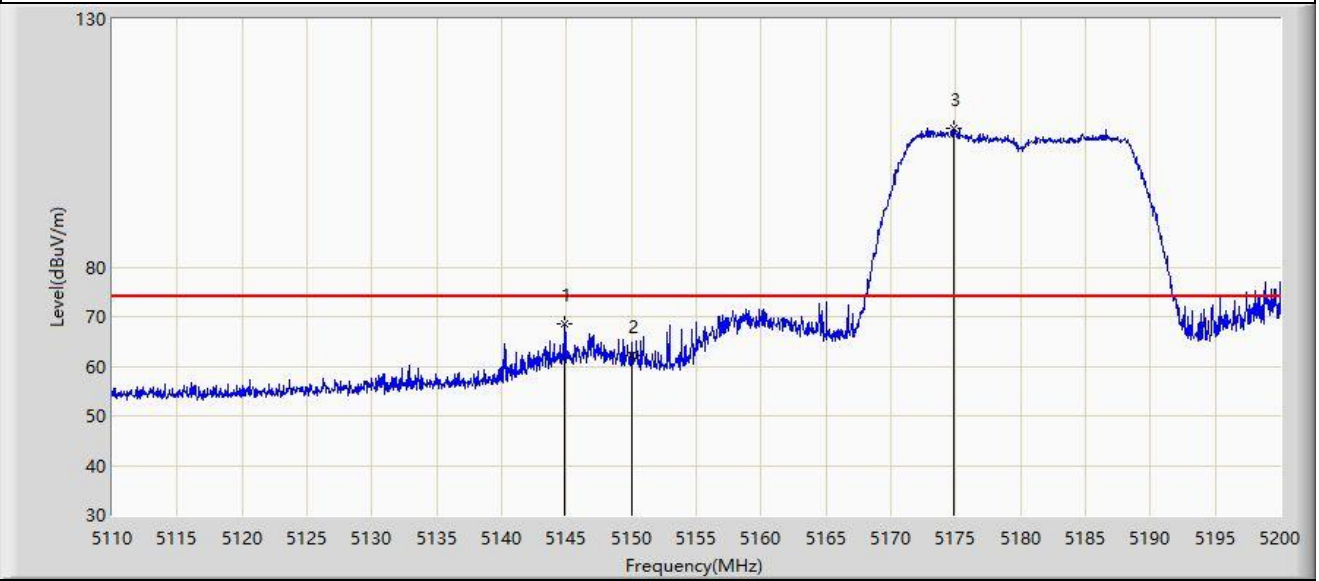
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5818.845	98.500	93.564	N/A	N/A	4.936	PK
2		5850.000	56.074	51.091	-66.126	122.200	4.984	PK
3		5855.000	56.347	51.309	-54.453	110.800	5.038	PK
4		5875.000	55.774	50.643	-49.426	105.200	5.131	PK
5		5925.000	56.392	51.157	-11.808	68.200	5.236	PK
6	*	5939.453	57.750	52.463	-10.450	68.200	5.286	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



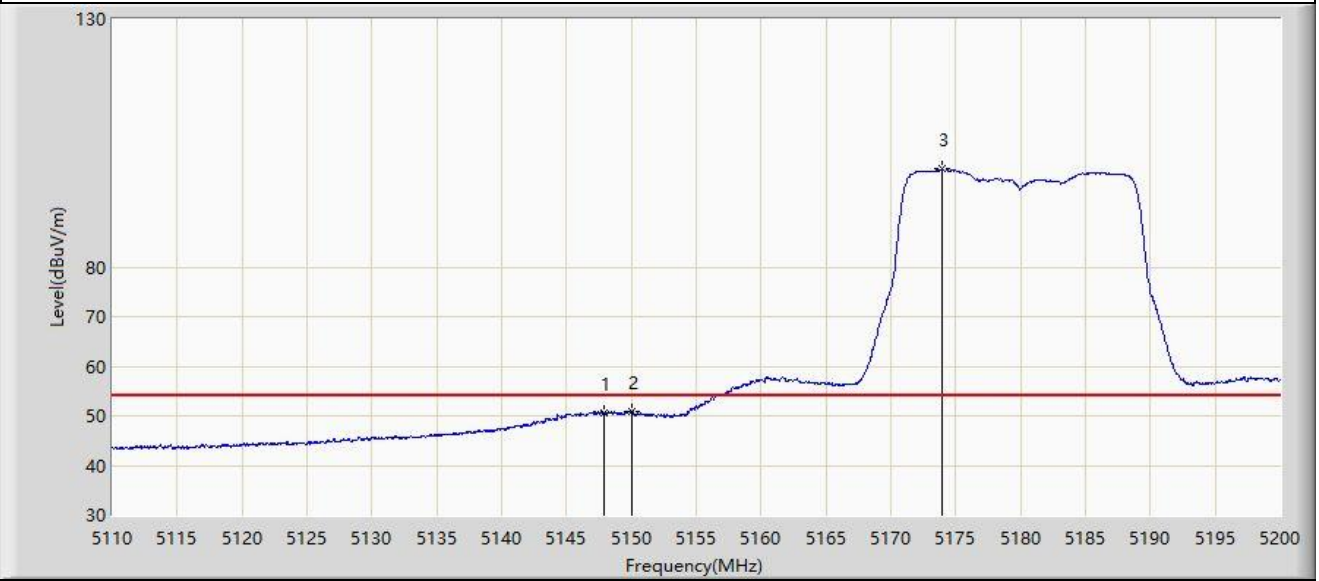
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5144.875	68.606	65.170	-5.394	74.000	3.437	PK
2		5150.000	62.065	58.583	-11.935	74.000	3.482	PK
3		5174.845	108.047	104.674	N/A	N/A	3.373	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



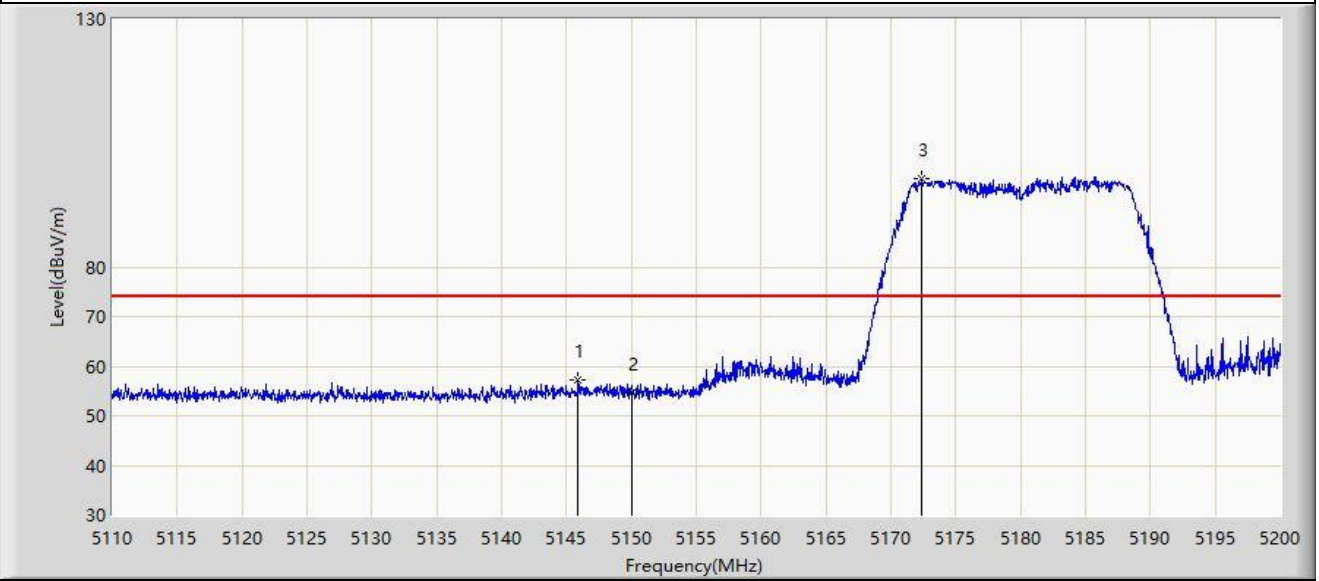
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5147.890	50.706	47.232	-3.294	54.000	3.474	AV
2	*	5150.000	50.727	47.245	-3.273	54.000	3.482	AV
3		5173.945	99.724	96.333	N/A	N/A	3.390	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



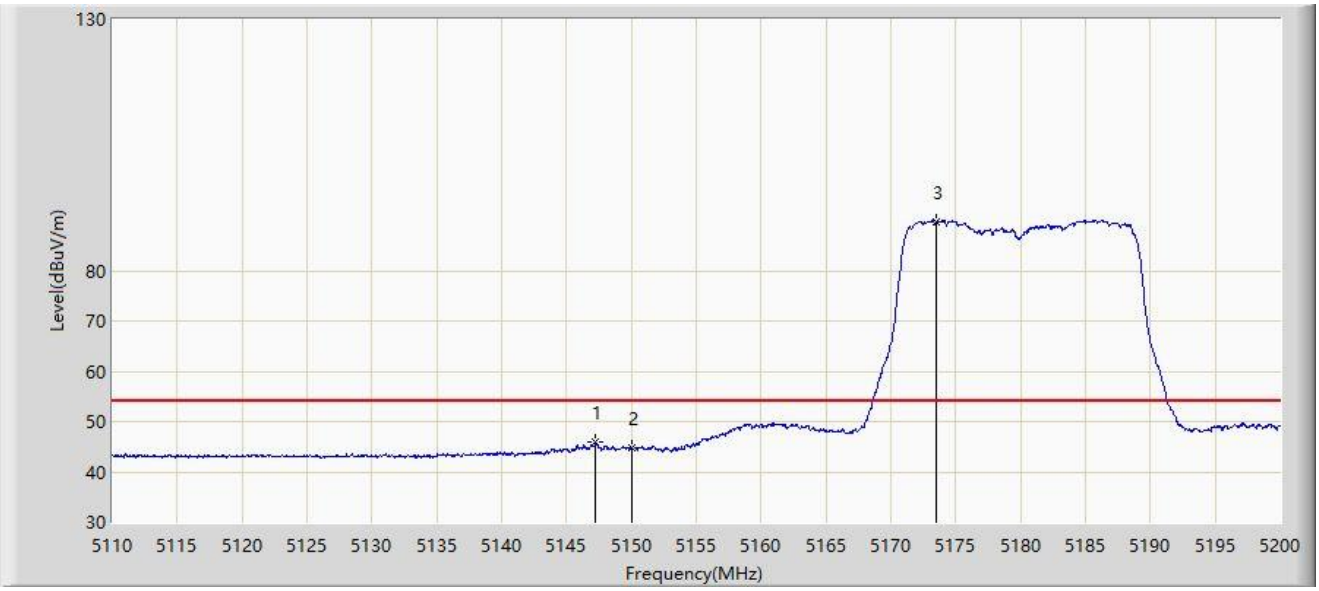
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5145.865	57.308	53.859	-16.692	74.000	3.449	PK
2		5150.000	54.718	51.236	-19.282	74.000	3.482	PK
3		5172.370	97.819	94.397	N/A	N/A	3.422	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	



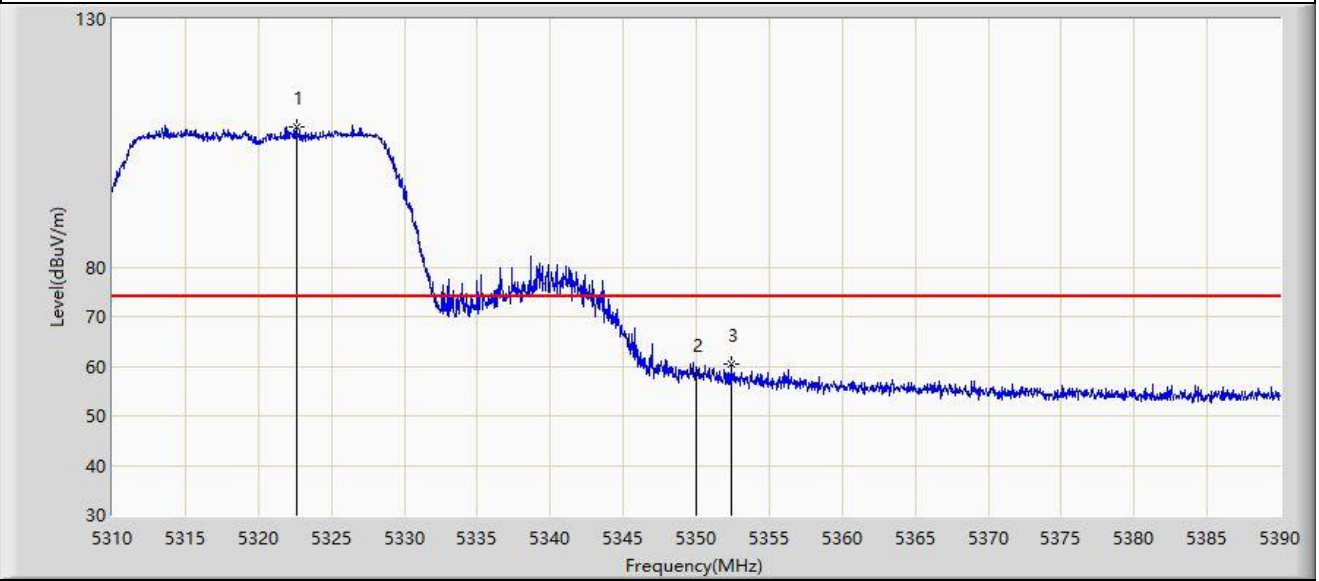
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5147.215	45.810	42.344	-8.190	54.000	3.466	AV
2		5150.000	44.732	41.250	-9.268	54.000	3.482	AV
3		5173.540	89.812	86.413	N/A	N/A	3.399	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



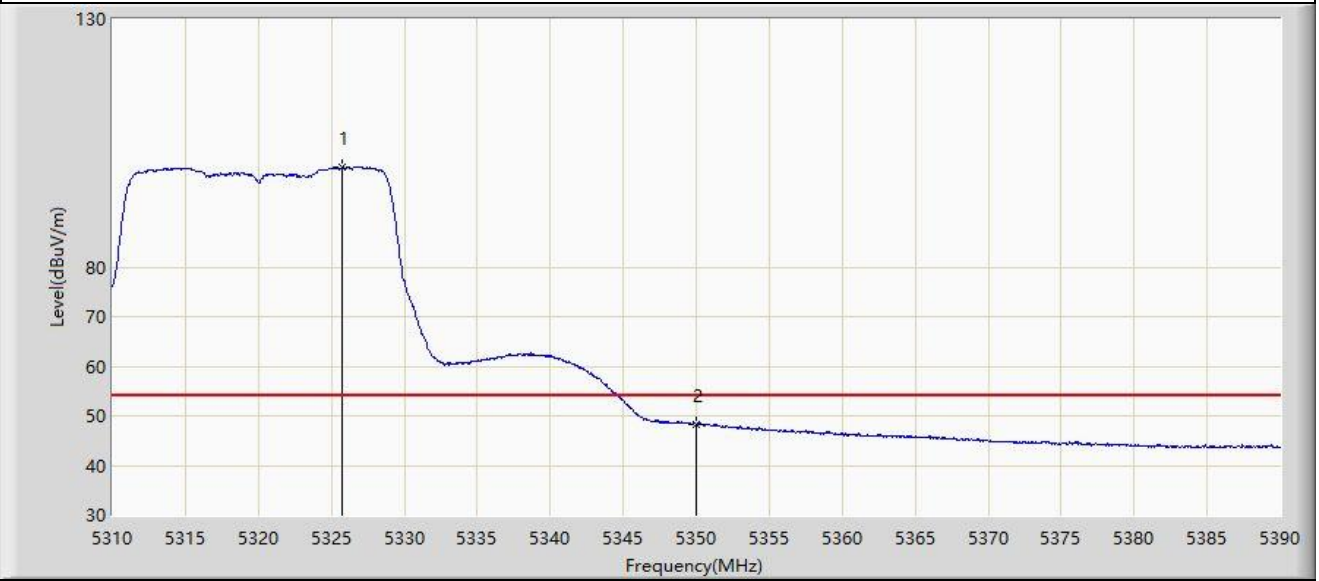
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5322.600	108.246	105.243	N/A	N/A	3.002	PK
2		5350.000	58.316	55.496	-15.684	74.000	2.820	PK
3	*	5352.360	60.530	57.742	-13.470	74.000	2.787	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



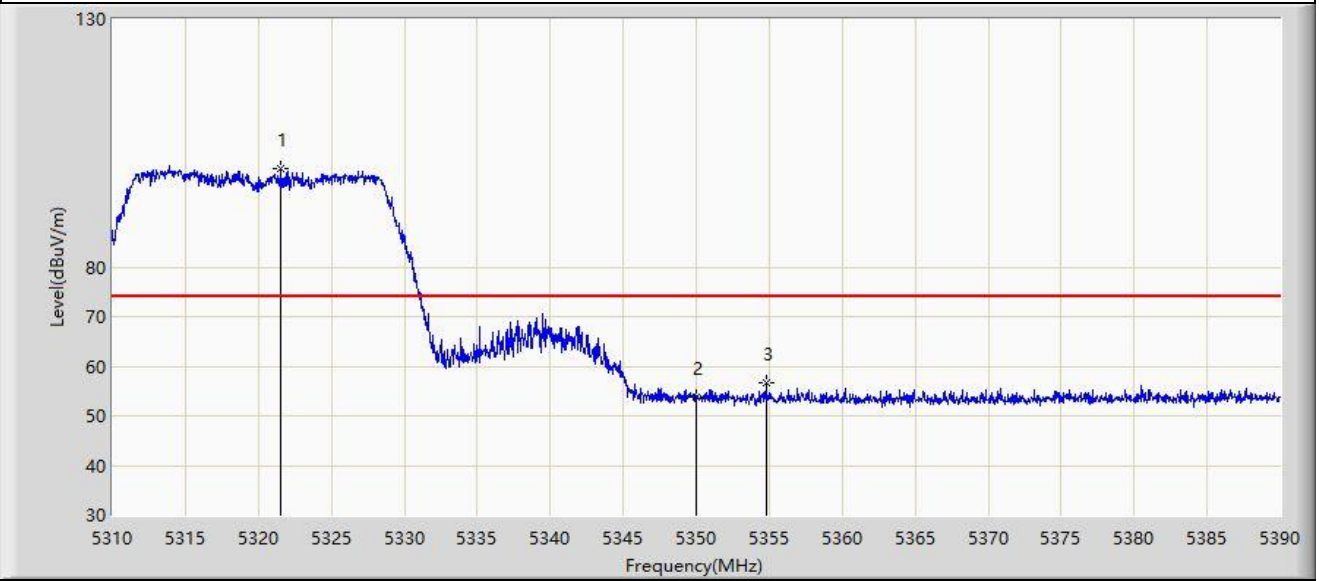
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.760	100.070	97.072	N/A	N/A	2.998	AV
2	*	5350.000	48.298	45.478	-5.702	54.000	2.820	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



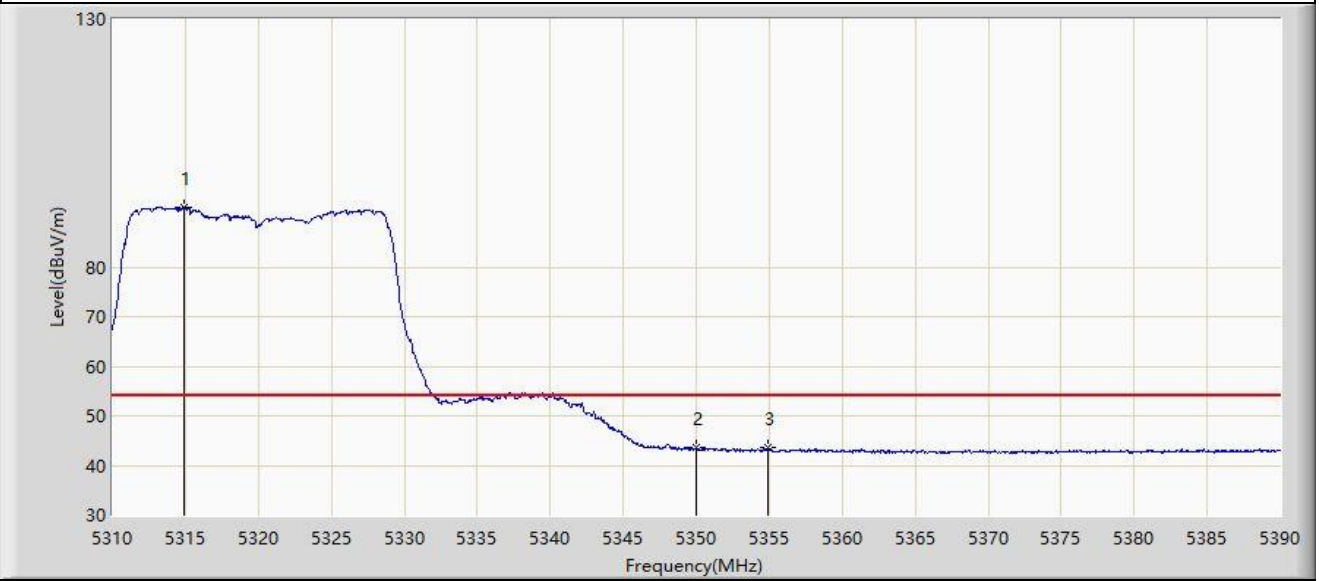
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.560	99.979	96.974	N/A	N/A	3.004	PK
2		5350.000	53.851	51.031	-20.149	74.000	2.820	PK
3	*	5354.800	56.533	53.734	-17.467	74.000	2.799	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	



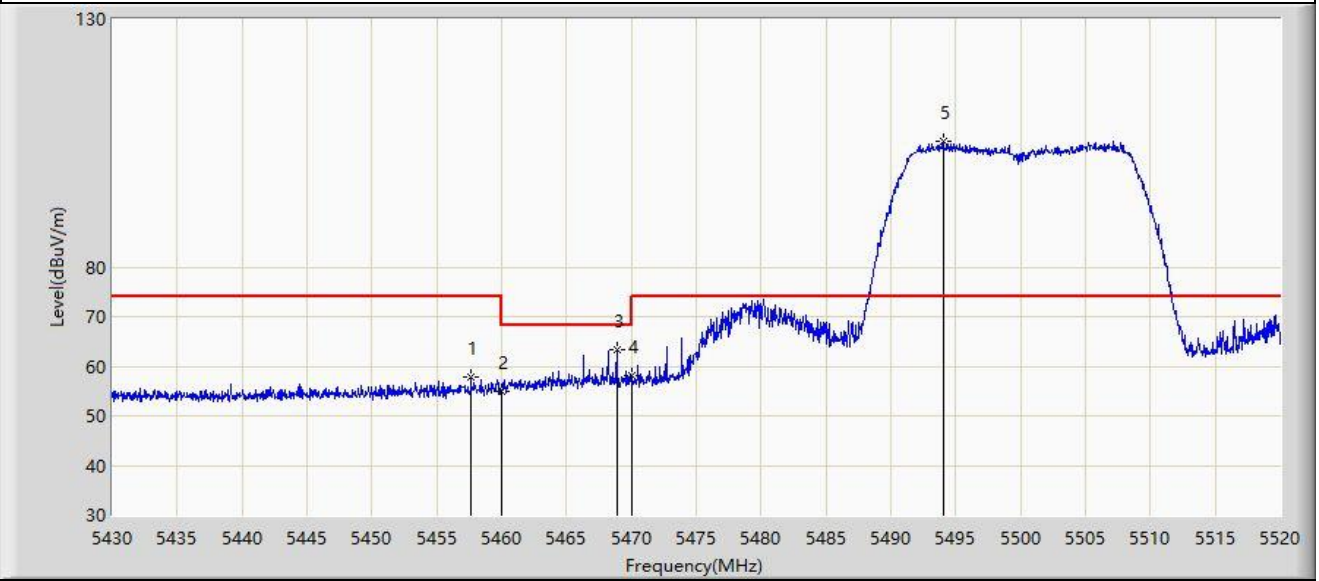
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5314.880	92.002	89.047	N/A	N/A	2.956	AV
2		5350.000	43.492	40.672	-10.508	54.000	2.820	AV
3	*	5354.920	43.548	40.749	-10.452	54.000	2.800	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



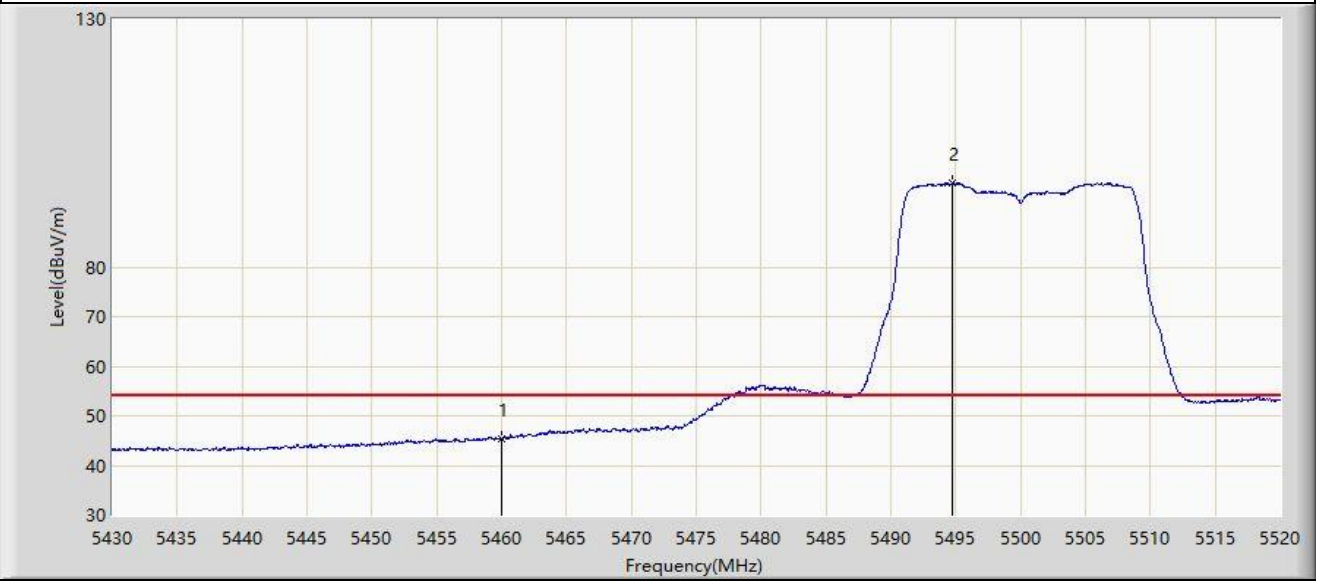
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5457.630	57.714	54.611	-16.286	74.000	3.103	PK
2		5460.000	55.060	51.911	-18.940	74.000	3.149	PK
3	*	5468.880	63.399	60.079	-4.801	68.200	3.321	PK
4		5470.000	58.051	54.709	-10.149	68.200	3.341	PK
5		5494.035	105.373	102.146	N/A	N/A	3.227	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



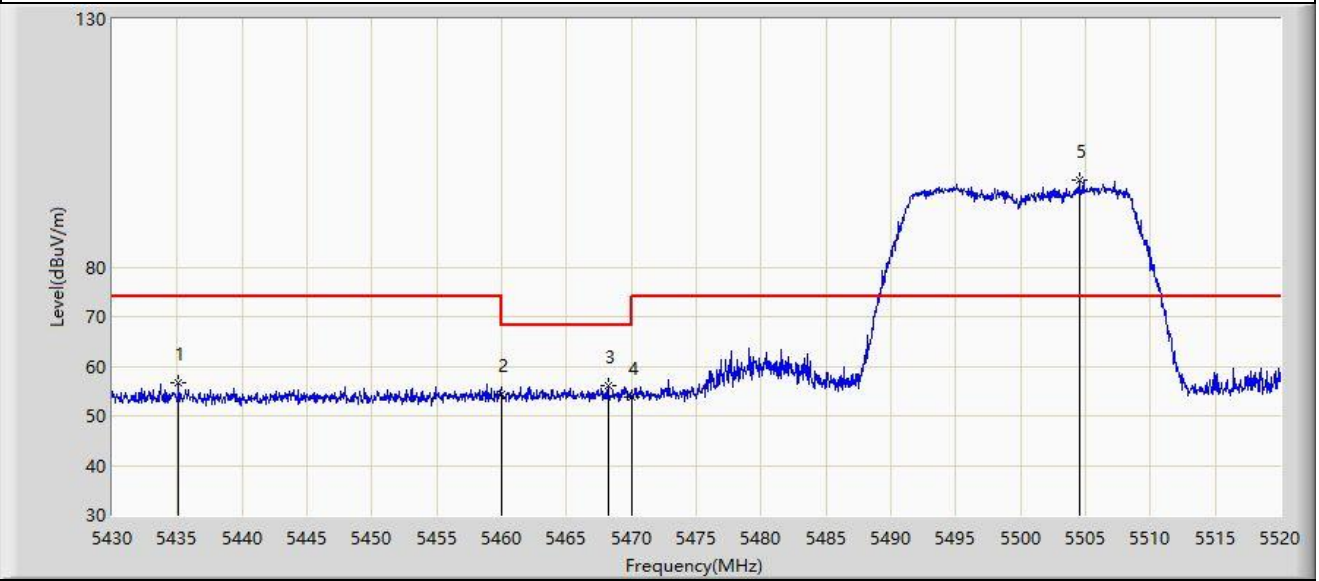
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	45.410	42.261	-8.590	54.000	3.149	AV
2		5494.755	96.824	93.602	N/A	N/A	3.222	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



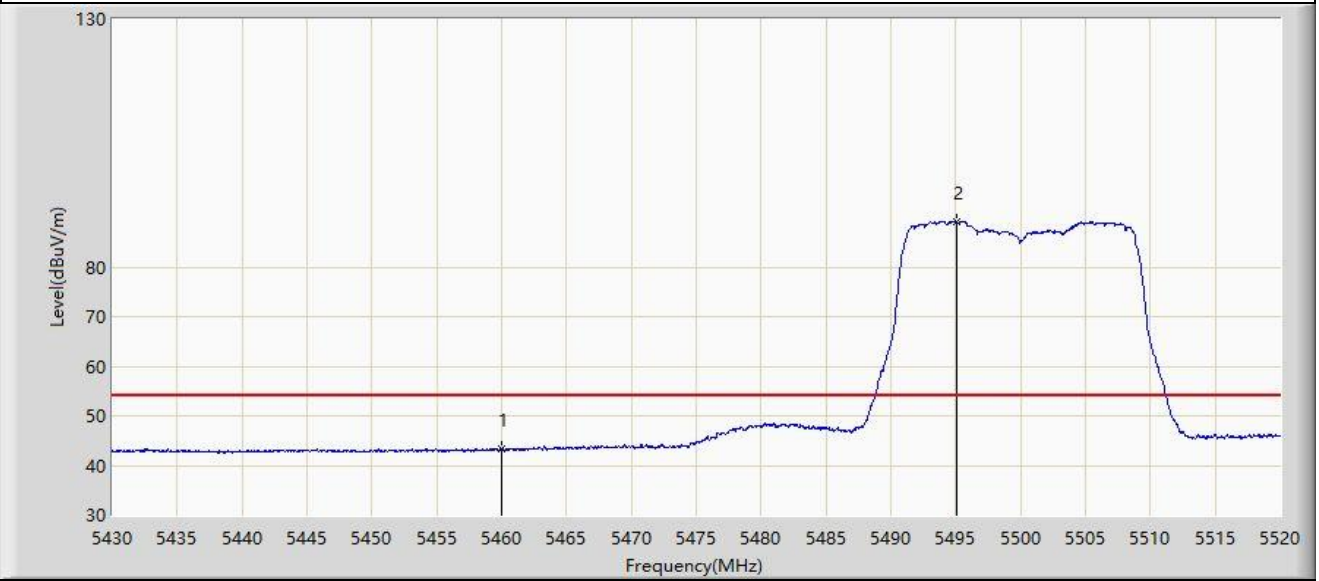
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5435.130	56.542	53.351	-17.458	74.000	3.190	PK
2		5460.000	54.449	51.300	-19.551	74.000	3.149	PK
3	*	5468.205	55.975	52.668	-12.225	68.200	3.307	PK
4		5470.000	53.856	50.514	-14.344	68.200	3.341	PK
5		5504.520	97.646	94.492	N/A	N/A	3.153	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-04
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	



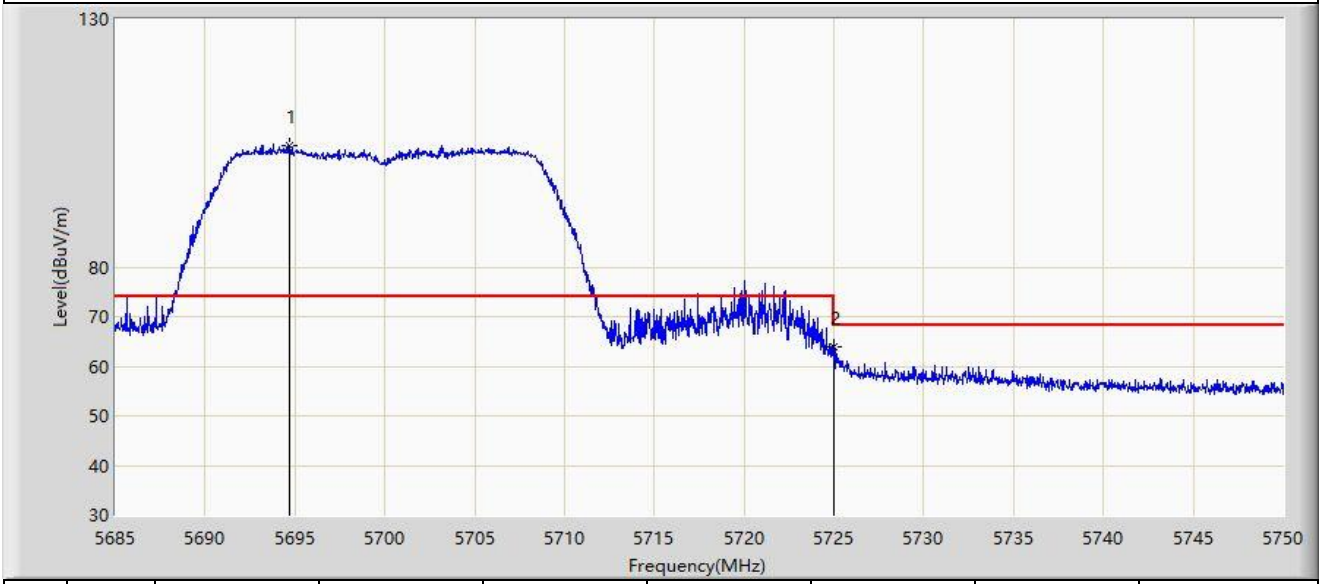
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	43.201	40.052	-10.799	54.000	3.149	AV
2		5495.025	89.179	85.958	N/A	N/A	3.220	AV

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



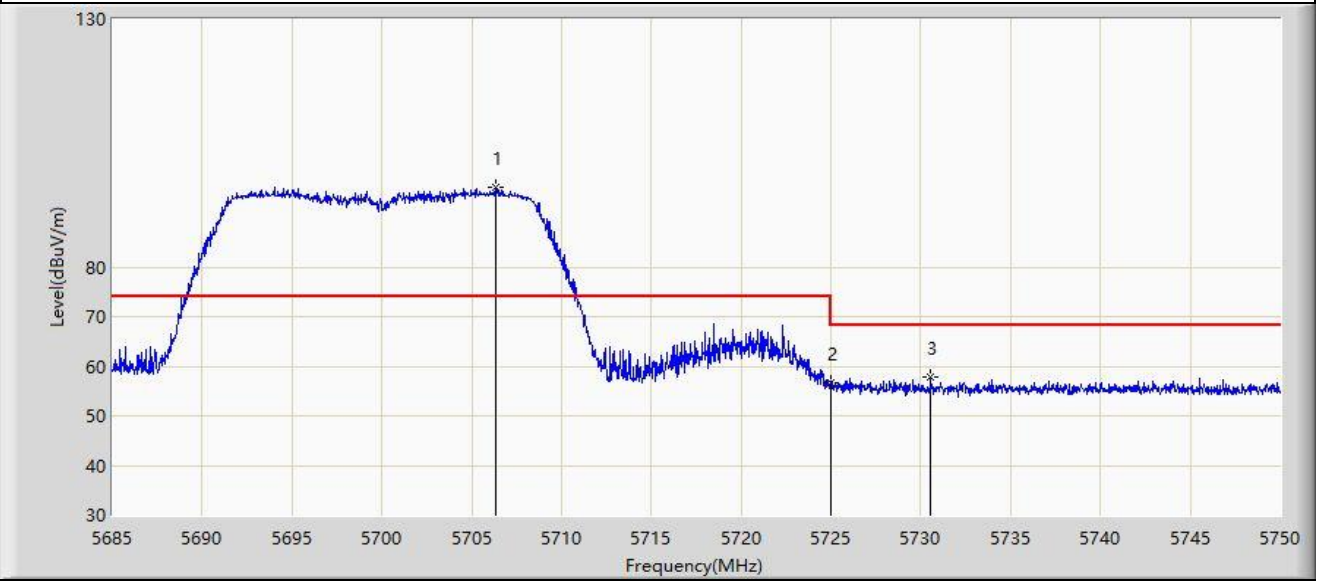
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5694.685	104.438	100.082	N/A	N/A	4.356	PK
2	*	5725.000	64.013	59.310	-4.187	68.200	4.703	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-06
Limit: FCC_5G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	



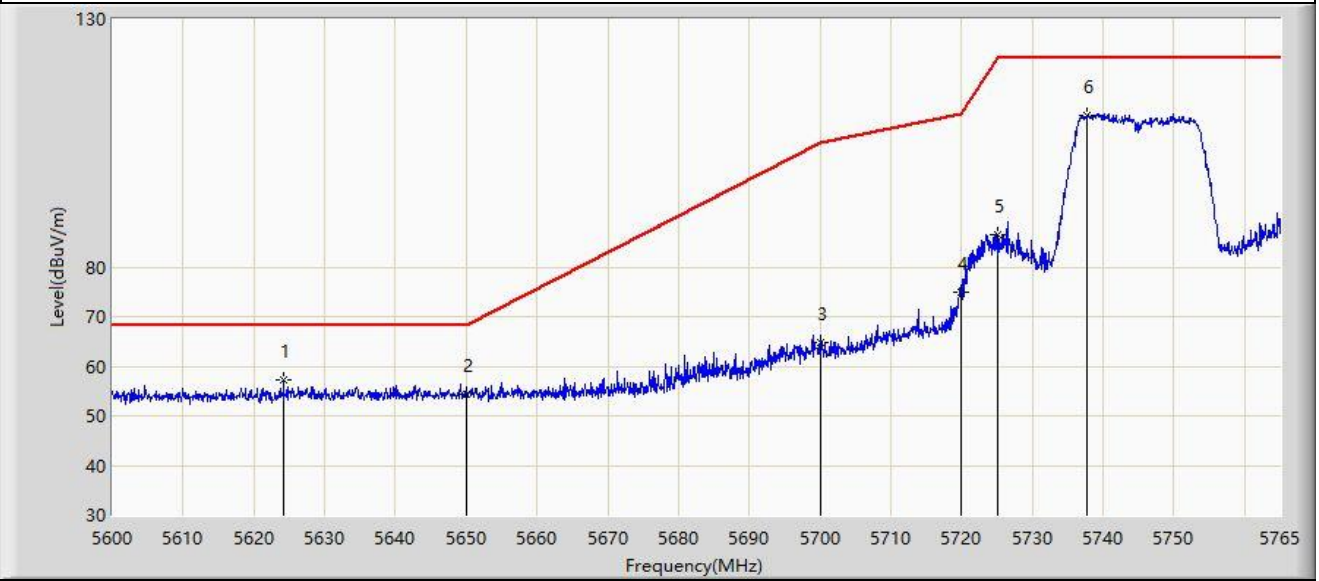
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5706.320	96.074	91.541	N/A	N/A	4.533	PK
2		5725.000	56.756	52.053	-11.444	68.200	4.703	PK
3	*	5730.533	57.814	53.179	-10.386	68.200	4.635	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-05
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



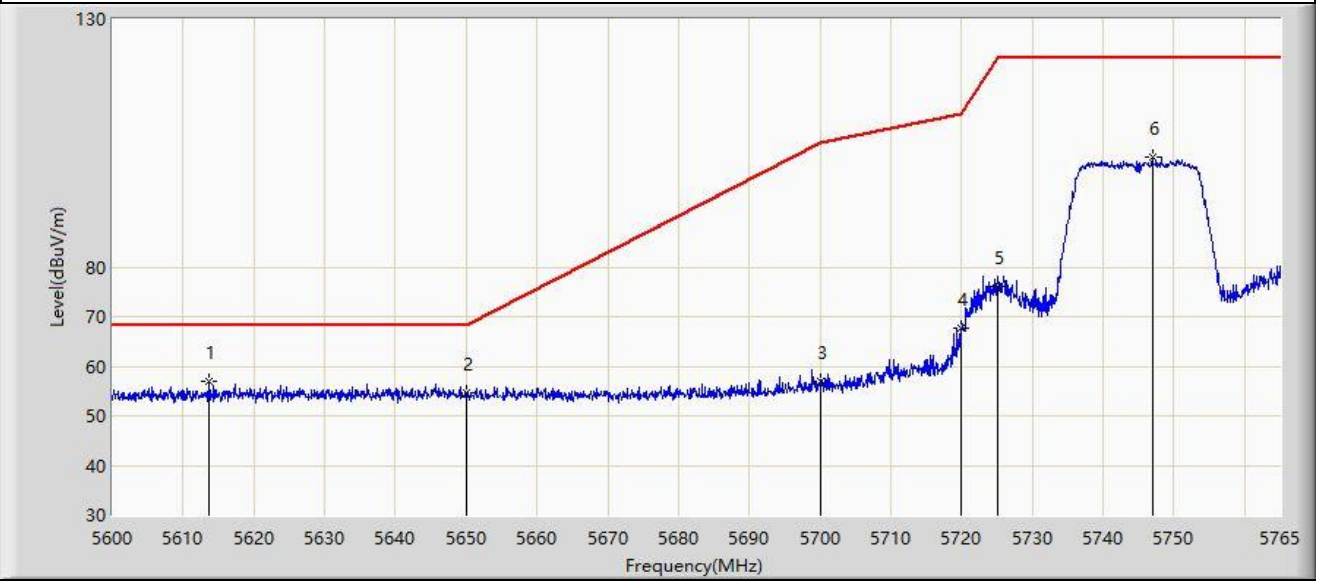
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5624.172	57.149	53.191	-11.051	68.200	3.958	PK
2		5650.000	54.349	50.226	-13.851	68.200	4.122	PK
3		5700.000	64.893	60.456	-40.307	105.200	4.437	PK
4		5720.000	74.858	70.194	-35.942	110.800	4.663	PK
5		5725.000	86.449	81.746	-35.751	122.200	4.703	PK
6		5737.775	110.593	106.086	N/A	N/A	4.507	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-05
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	



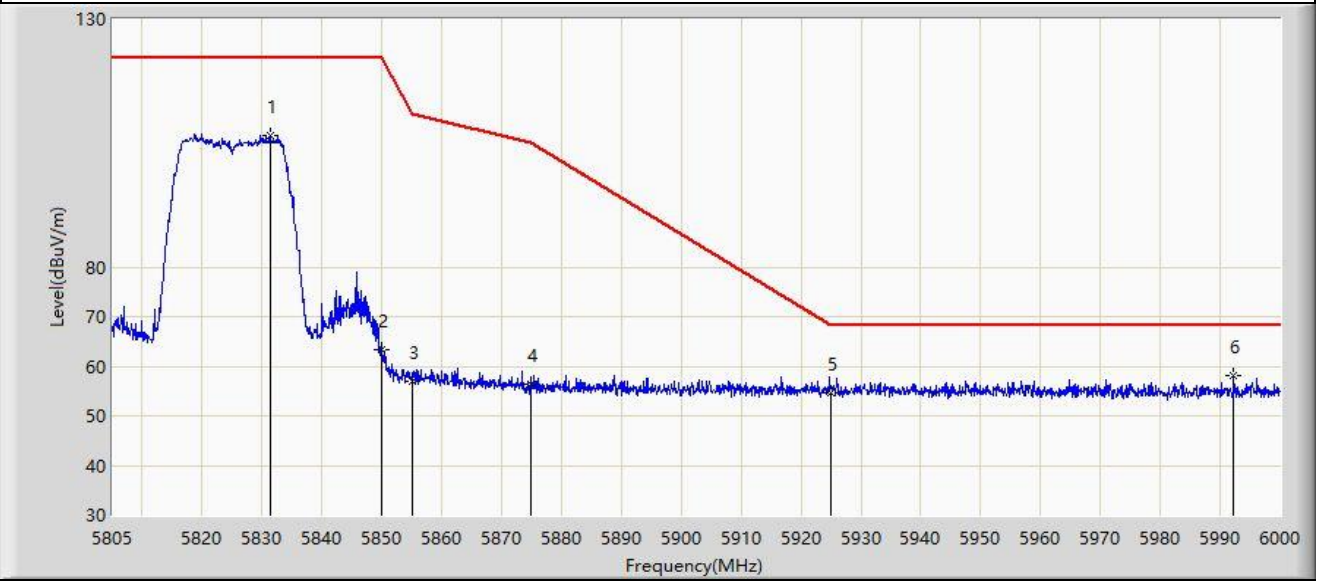
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5613.612	56.821	53.124	-11.379	68.200	3.696	PK
2		5650.000	54.763	50.640	-13.437	68.200	4.122	PK
3		5700.000	57.017	52.580	-48.183	105.200	4.437	PK
4		5720.000	67.555	62.891	-43.245	110.800	4.663	PK
5		5725.000	76.015	71.312	-46.185	122.200	4.703	PK
6		5746.933	102.071	97.627	N/A	N/A	4.444	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-05
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



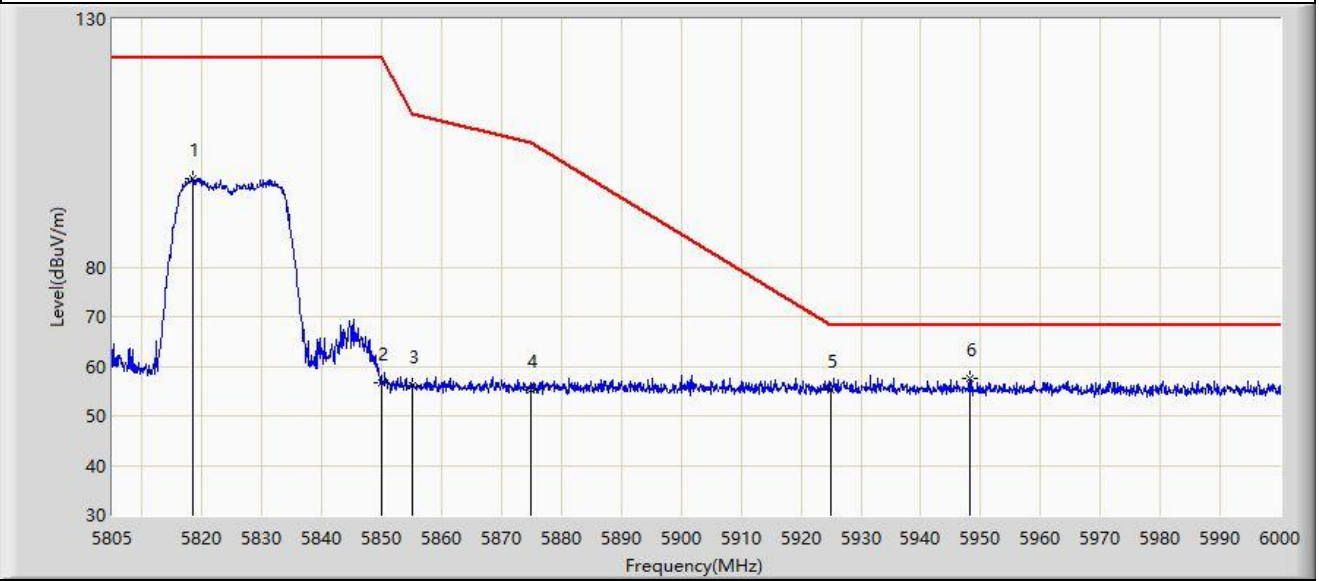
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5831.325	106.555	101.700	N/A	N/A	4.855	PK
2		5850.000	63.261	58.278	-58.939	122.200	4.984	PK
3		5855.000	57.012	51.974	-53.788	110.800	5.038	PK
4		5875.000	56.435	51.304	-48.765	105.200	5.131	PK
5		5925.000	54.610	49.375	-13.590	68.200	5.236	PK
6	*	5992.297	58.145	52.805	-10.055	68.200	5.340	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC2	Test Date: 2024-03-05
Limit: FCC_5.8G_RE(3m)	Engineer: Bob Zhang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: Communication Module	Power: By DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5818.553	97.961	93.022	N/A	N/A	4.939	PK
2		5850.000	56.737	51.754	-65.463	122.200	4.984	PK
3		5855.000	56.005	50.967	-54.795	110.800	5.038	PK
4		5875.000	55.102	49.971	-50.098	105.200	5.131	PK
5		5925.000	55.143	49.908	-13.057	68.200	5.236	PK
6	*	5948.130	57.505	52.155	-10.695	68.200	5.350	PK

Note 1: " * ", means this data is the worst emission level.

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Appendix B – Test Setup Photograph

Refer to “2402RSU019-UT” file.

Appendix C – EUT Photograph

Refer to “2402RSU019-UE” file.

The End