

RF MEASUREMENT REPORT

FCC ID: 2AR82-SKIWB7638U1
Applicant: Guangzhou Shikun Electronics Co., Ltd
Product: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module
Model No.: SKI.WB7638U.1_ MT7638BU
FCC Classification: Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Result: Complies
Test Date: 2022-08-16 ~ 2022-08-24

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



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
2208RSU019-U2	Rev. 01	Initial Report	2022-08-31	Valid

Note: This is a Class II permissive Change project due to the product adding two antennas with higher gain than before. After evaluation, output power, band edge, and radiated spurious emission need to be evaluated.

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1. General Information

1.1. Applicant

Guangzhou Shikun Electronics Co., Ltd
 NO.6 Liankun Road, Huangpu District, Guangzhou, China

1.2. Manufacturer

Guangzhou Shikun Electronics Co., Ltd
 NO.6 Liankun Road, Huangpu District, Guangzhou, China

1.3. Testing Facility

<input checked="" type="checkbox"/>	<p>Test Site – MRT Suzhou Laboratory</p> <hr/> <p>Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China</p> <p>Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001</p> <p>VCCI: <input type="checkbox"/>R-20025 <input type="checkbox"/>G-20034 <input type="checkbox"/>C-20020 <input type="checkbox"/>T-20020 <input type="checkbox"/>R-20141 <input type="checkbox"/>G-20134 <input type="checkbox"/>C-20103 <input type="checkbox"/>T-20104</p>
<input type="checkbox"/>	<p>Test Site – MRT Shenzhen Laboratory</p> <hr/> <p>Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105</p>
<input type="checkbox"/>	<p>Test Site – MRT Taiwan Laboratory</p> <hr/> <p>Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</p> <hr/> <p>Laboratory Accreditations</p> <p>TAF: L3261-190725 FCC: 291082, TW3261 ISED: TW3261</p>

1.4. Product Information

Product Name	IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module
Model No.	SKI.WB7638U.1_M T7638BU
Sample No.	20220808Sample#05
Wi-Fi Specification	802.11a/b/g/n
Antenna Information	Refer to Selection 1.7
Working Voltage	Input DC 3.3V
Remark: 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	For 802.11a/n-HT20: 5180~5240MHz, 5260~5320MHz, 5500~5700MHz, 5745~5825MHz For 802.11n-HT40: 5190~5230MHz, 5270~5310MHz, 5510~5670MHz, 5755~5795MHz
Type of Modulation	OFDM
Data Rate	802.11a: 6,9,12,18,24 ,36 ,48,54Mbps 802.11n: up to 300Mbps

1.6. Working Frequencies

802.11a/n-HT20

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	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
151	5755 MHz	159	5795 MHz	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)	
			For Power	For PSD
Antenna 1# (2*2 MIMO)				
PIFA	2400 ~ 2483.5	3.91	3.91	6.92
	5150 ~ 5250	2.80	2.80	5.81
	5250 ~ 5350	2.59	2.59	5.60
	5470 ~ 5725	3.10	3.10	6.11
	5725 ~ 5850	3.53	3.53	6.54
Antenna 2# (2*2 MIMO)				
PIFA	2400 ~ 2483.5	4.43	4.43	7.44
	5150 ~ 5250	3.26	3.26	6.27
	5250 ~ 5350	3.52	3.52	6.53
	5470 ~ 5725	4.39	4.39	7.40
	5725 ~ 5850	4.60	4.60	7.61

Note:

1. The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

For CDD transmissions, directional gain is calculated as follows, $N_{ANT} = 2$, $N_{SS} = 1$.

If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,

$$\text{Array Gain} = 10 \log (N_{ANT} / N_{SS}) \text{ dB} = 3.01;$$

- For power measurements on IEEE 802.11 devices,

$$\text{Array Gain} = 0 \text{ dB for } N_{ANT} \leq 4;$$

2. We selected the max peak gain antenna 2# to perform all RF testing.

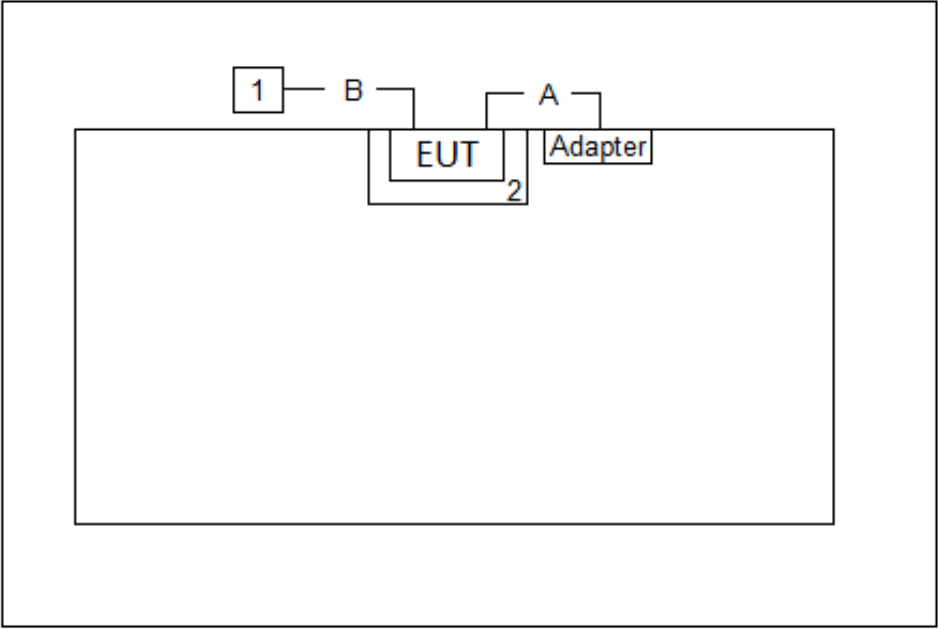
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11n-HT20 (MCS0)
Mode 3: Transmit by 802.11n-HT40 (MCS0)

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			
			
No.	Cable Type	Cable Spec.	Length
A	Power Cable	Non-Shielding	1.5m
B	USB Cable	Shielding	> 10.0m
No.	Product	Manufacturer	Model No.
1	PC	DELL	Vostro.270
2	Test Load Board	N/A	A18305

2.3. Test Software

The test utility software used during testing was “QA-Tool_package_Uiv2.06_DLLv4.09”.

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
- KDB 662911 D01v02r01
- ANSI C63.10-2013

2.5. Test Environment Condition

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

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2023-05-20	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2023-06-04	WZ-AC2
Thermohygrometer	Mingle	ETH529	MRTSUE06170	1 year	2022-12-01	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2022-10-21	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2022-11-12	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2023-04-21	WZ-AC2
Thermohygrometer	testo	Testo 608-H1	MRTSUE11038	1 year	2022-11-11	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2023-06-06	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
USB Power Sensor	Agilent	U2021XA	MRTSUE06030	1 year	2022-10-10	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11074	1 year	2023-06-09	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11080	1 year	2023-06-09	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11086	1 year	2023-06-09	WZ-SR5

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

4. Decision Rules and Measurement Uncertainty

4.1. 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.)

4.2. 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 Disturbance
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.13dB

5. Test Result

5.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)(1)(iv), (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

Remark: 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.

5.2. Output Power Measurement

5.2.1. 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 $11 \text{ dBm} + 10 \log B$, 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.

5.2.2. Test Procedure

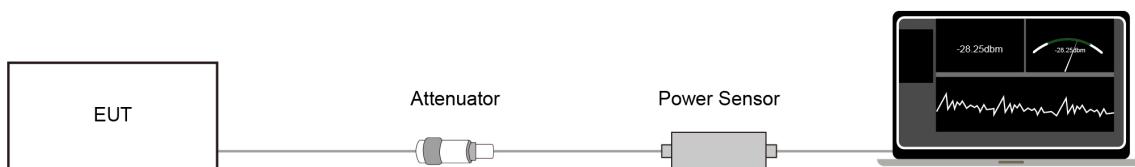
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

5.2.3. 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.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. Radiated Spurious Emission Measurement

5.3.1. 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 [uV/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

5.3.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

5.3.3. 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

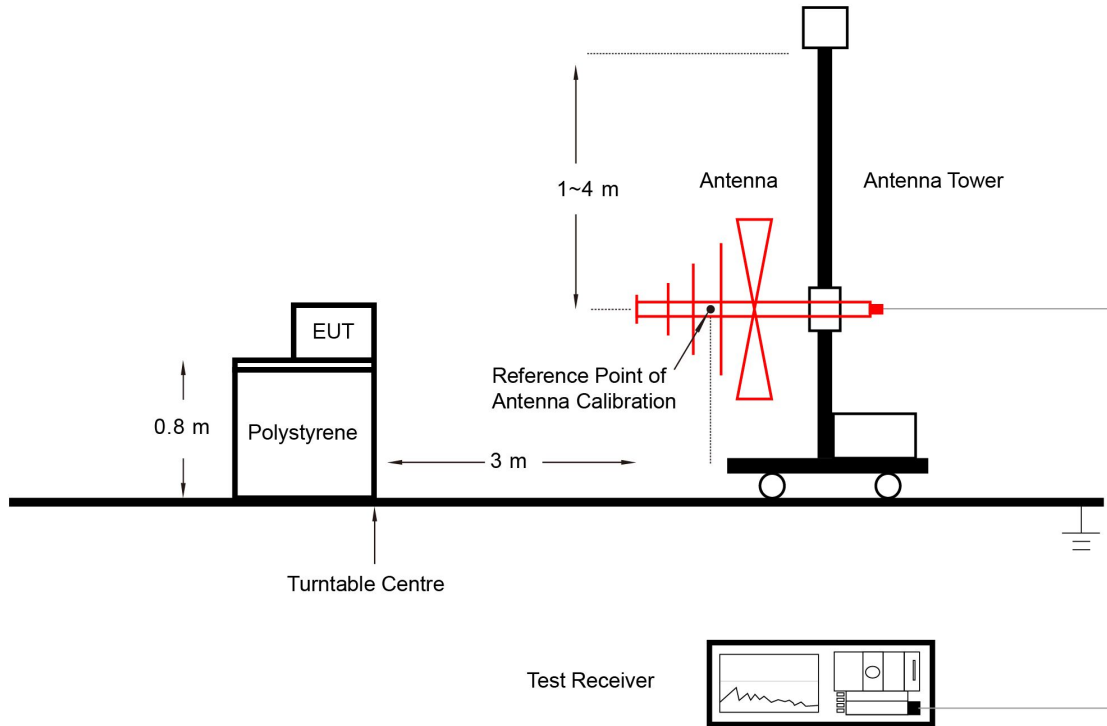
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

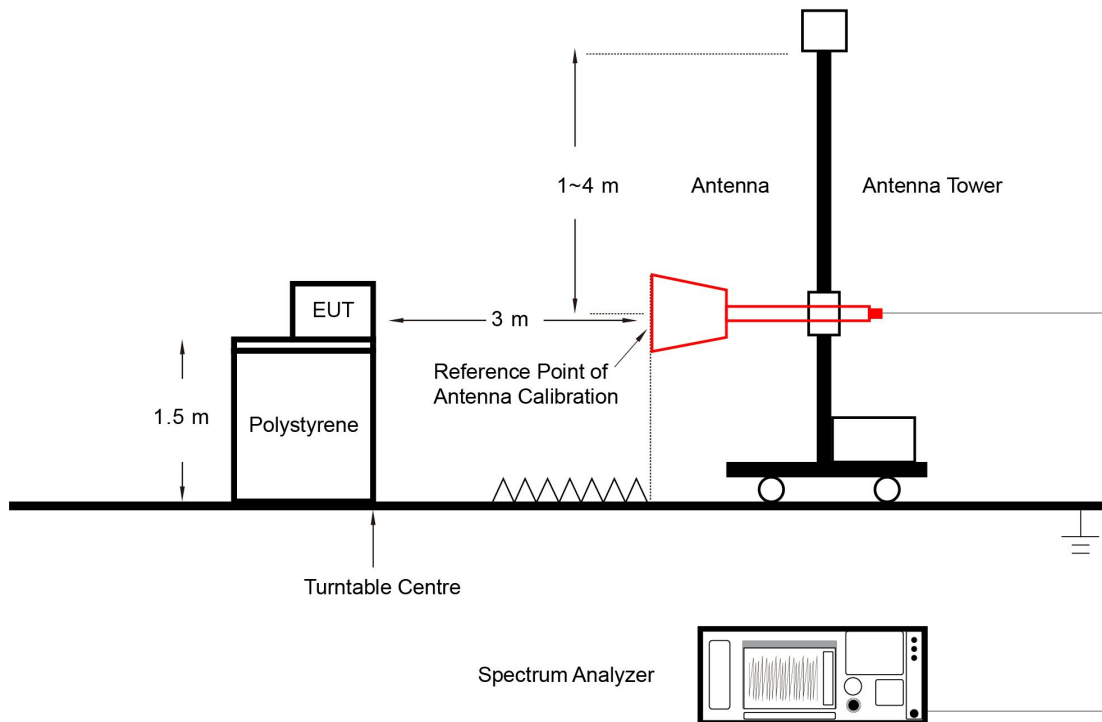
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

5.3.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Radiated Restricted Band Edge Measurement

5.4.1. 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 [uV/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

5.4.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

5.4.3. Test Setting

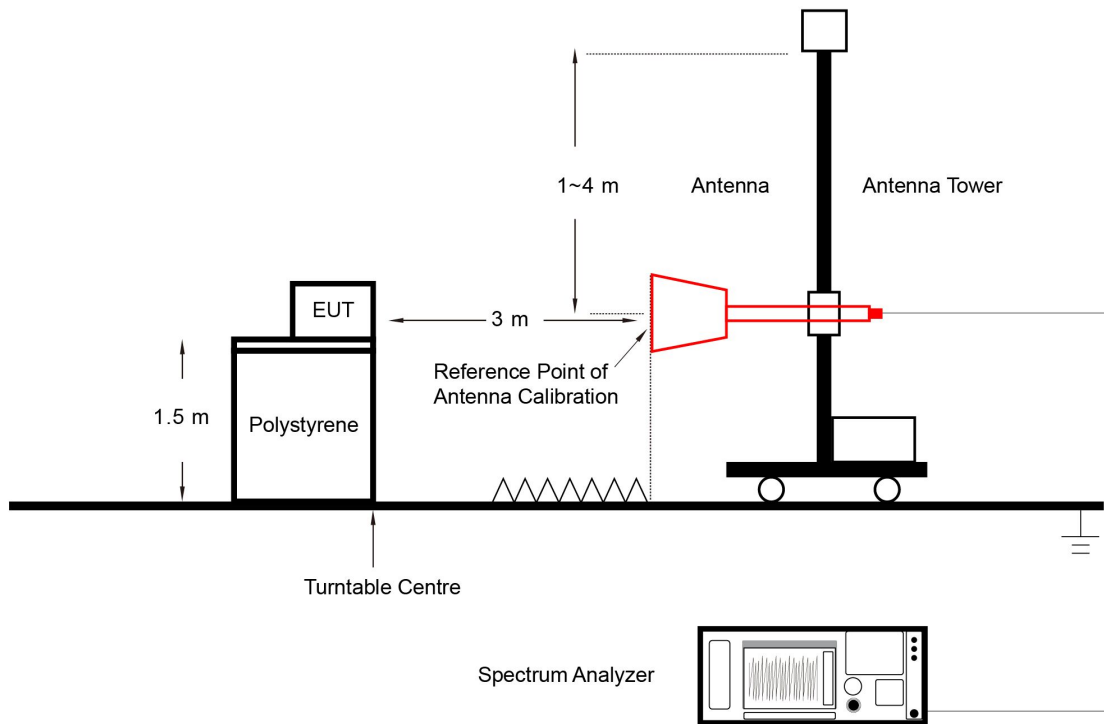
Peak Measurements above 1GHz

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 $\geq 98\%$, set VBW = 10Hz
4. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

Appendix A – Test Result

A.1 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2022-08-16		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	11.54	12.29	14.94	23.98
11a	6Mbps	44	5220	12.64	12.51	15.59	23.98
11a	6Mbps	48	5240	13.26	13.09	16.19	23.98
11a	6Mbps	52	5260	12.06	12.43	15.26	23.95
11a	6Mbps	60	5300	12.27	12.43	15.36	23.96
11a	6Mbps	64	5320	12.70	12.84	15.78	23.97
11a	6Mbps	100	5500	13.25	13.80	16.54	23.94
11a	6Mbps	116	5580	12.55	13.56	16.09	23.96
11a	6Mbps	140	5700	12.85	13.23	16.05	23.94
11a	6Mbps	149	5745	12.88	13.57	16.25	30.00
11a	6Mbps	157	5785	12.58	13.31	15.97	30.00
11a	6Mbps	165	5825	12.34	13.06	15.73	30.00
11n-HT20	MCS0	36	5180	10.51	11.22	13.89	23.98
11n-HT20	MCS0	44	5220	12.06	11.85	14.97	23.98
11n-HT20	MCS0	48	5240	12.28	12.08	15.19	23.98
11n-HT20	MCS0	52	5260	10.94	11.27	14.12	23.98
11n-HT20	MCS0	60	5300	10.93	11.38	14.17	23.98
11n-HT20	MCS0	64	5320	11.12	11.42	14.28	23.98
11n-HT20	MCS0	100	5500	11.22	12.08	14.68	23.98
11n-HT20	MCS0	116	5580	10.73	12.27	14.58	23.98
11n-HT20	MCS0	140	5700	11.28	11.76	14.54	23.98
11n-HT20	MCS0	149	5745	11.34	12.40	14.91	30.00
11n-HT20	MCS0	157	5785	11.47	12.35	14.94	30.00
11n-HT20	MCS0	165	5825	11.67	12.60	15.17	30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11n-HT40	MCS0	38	5190	10.65	11.41	14.06	23.98
11n-HT40	MCS0	46	5230	12.30	12.01	15.17	23.98
11n-HT40	MCS0	54	5270	11.32	11.29	14.32	23.98
11n-HT40	MCS0	62	5310	11.24	11.39	14.33	23.98
11n-HT40	MCS0	102	5510	11.30	12.08	14.72	23.98
11n-HT40	MCS0	110	5550	11.04	12.17	14.65	23.98
11n-HT40	MCS0	134	5670	11.68	12.49	15.11	23.98
11n-HT40	MCS0	151	5755	11.45	12.38	14.95	30.00
11n-HT40	MCS0	159	5795	11.66	12.42	15.07	30.00

A.2 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	9381.0	32.2	14.2	46.4	74.0	-27.6	Peak	Horizontal
*	10367.0	32.9	15.5	48.4	68.2	-19.8	Peak	Horizontal
	11064.0	32.1	17.0	49.1	74.0	-24.9	Peak	Horizontal
*	15008.0	30.6	19.7	50.3	68.2	-17.9	Peak	Horizontal
	8395.0	31.9	11.5	43.4	74.0	-30.6	Peak	Vertical
*	10367.0	39.3	15.5	54.8	68.2	-13.4	Peak	Vertical
	11506.0	30.7	17.7	48.4	74.0	-25.6	Peak	Vertical
*	14702.0	31.2	19.8	51.0	68.2	-17.2	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	7341.0	31.9	11.4	43.3	74.0	-30.7	Peak	Horizontal
*	8820.0	31.4	13.4	44.8	68.2	-23.4	Peak	Horizontal
*	10443.5	33.7	15.7	49.4	68.2	-18.8	Peak	Horizontal
	11259.5	31.1	17.2	48.3	74.0	-25.7	Peak	Horizontal
	8140.0	32.3	12.0	44.3	74.0	-29.7	Peak	Vertical
*	8828.5	32.6	13.3	45.9	68.2	-22.3	Peak	Vertical
*	10443.5	42.1	15.7	57.8	68.2	-10.4	Peak	Vertical
	11506.0	30.4	17.7	48.1	74.0	-25.9	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	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	8242.0	32.9	11.6	44.5	74.0	-29.5	Peak	Horizontal
*	8718.0	32.6	13.0	45.6	68.2	-22.6	Peak	Horizontal
*	10486.0	36.9	15.5	52.4	68.2	-15.8	Peak	Horizontal
	11812.0	30.7	17.6	48.3	74.0	-25.7	Peak	Horizontal
	7426.0	32.1	11.9	44.0	74.0	-30.0	Peak	Vertical
*	10486.0	43.4	15.5	58.9	68.2	-9.3	Peak	Vertical
	11820.5	30.1	17.4	47.5	74.0	-26.5	Peak	Vertical
*	13597.0	31.1	19.4	50.5	68.2	-17.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	9109.0	31.8	13.6	45.4	74.0	-28.6	Peak	Horizontal
*	10520.0	33.8	15.7	49.5	68.2	-18.7	Peak	Horizontal
	11497.5	31.2	17.6	48.8	74.0	-25.2	Peak	Horizontal
*	13724.5	30.1	19.8	49.9	68.2	-18.3	Peak	Horizontal
	8242.0	33.3	11.6	44.9	74.0	-29.1	Peak	Vertical
*	10520.0	41.0	15.7	56.7	68.2	-11.5	Peak	Vertical
	11829.0	30.9	17.3	48.2	74.0	-25.8	Peak	Vertical
*	14175.0	30.1	20.7	50.8	68.2	-17.4	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	8420.5	33.3	11.6	44.9	74.0	-29.1	Peak	Horizontal
*	8777.5	31.9	13.2	45.1	68.2	-23.1	Peak	Horizontal
*	9993.0	32.8	14.2	47.0	68.2	-21.2	Peak	Horizontal
	10605.0	32.8	16.0	48.8	74.0	-25.2	Peak	Horizontal
*	8692.5	31.1	12.9	44.0	68.2	-24.2	Peak	Vertical
	9364.0	32.1	14.2	46.3	74.0	-27.7	Peak	Vertical
*	10596.5	40.6	15.8	56.4	68.2	-11.8	Peak	Vertical
	11489.0	31.4	17.5	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	8165.5	32.9	11.8	44.7	74.0	-29.3	Peak	Horizontal
*	8794.5	31.6	13.3	44.9	68.2	-23.3	Peak	Horizontal
*	10188.5	32.8	14.4	47.2	68.2	-21.0	Peak	Horizontal
	10647.5	33.8	15.7	49.5	74.0	-24.5	Peak	Horizontal
*	8743.5	31.7	13.0	44.7	68.2	-23.5	Peak	Vertical
	9126.0	32.2	13.6	45.8	74.0	-28.2	Peak	Vertical
*	9823.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
	10639.0	43.2	15.6	58.8	74.0	-15.2	Peak	Vertical
	10639.0	34.3	15.6	49.9	54.0	-4.1	Average	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
*	8769.0	31.5	13.2	44.7	68.2	-23.5	Peak	Horizontal
	9168.5	31.7	13.8	45.5	74.0	-28.5	Peak	Horizontal
*	9806.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
	10996.0	32.8	16.9	49.7	74.0	-24.3	Peak	Horizontal
*	8641.5	32.1	12.7	44.8	68.2	-23.4	Peak	Vertical
	9058.0	32.0	13.6	45.6	74.0	-28.4	Peak	Vertical
*	9993.0	32.6	14.2	46.8	68.2	-21.4	Peak	Vertical
	10996.0	37.6	16.9	54.5	74.0	-19.5	Peak	Vertical
	10996.0	31.1	16.9	48.0	54.0	-6.0	Average	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	8165.5	31.2	11.8	43.0	74.0	-31.0	Peak	Horizontal
*	9211.0	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
*	9687.0	32.7	13.7	46.4	68.2	-21.8	Peak	Horizontal
	11157.5	31.1	17.2	48.3	74.0	-25.7	Peak	Horizontal
*	8709.5	31.7	12.9	44.6	68.2	-23.6	Peak	Vertical
	9440.5	32.5	13.8	46.3	74.0	-27.7	Peak	Vertical
*	10069.5	32.5	14.1	46.6	68.2	-21.6	Peak	Vertical
	11157.5	35.4	17.2	52.6	74.0	-21.4	Peak	Vertical
	11157.5	26.1	17.2	43.3	54.0	-10.7	Average	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	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
*	8786.0	31.6	13.3	44.9	68.2	-23.3	Peak	Horizontal
	9406.5	31.4	14.1	45.5	74.0	-28.5	Peak	Horizontal
*	9899.5	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
	11395.5	33.0	17.5	50.5	74.0	-23.5	Peak	Horizontal
*	8786.0	31.9	13.3	45.2	68.2	-23.0	Peak	Vertical
	9134.5	31.1	13.8	44.9	74.0	-29.1	Peak	Vertical
*	9772.0	33.3	13.9	47.2	68.2	-21.0	Peak	Vertical
	11395.5	36.9	17.5	54.4	74.0	-19.6	Peak	Vertical
	11395.5	29.0	17.5	46.5	54.0	-7.5	Average	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	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8803.0	31.5	13.3	44.8	68.2	-23.4	Peak	Horizontal
	9134.5	32.0	13.8	45.8	74.0	-28.2	Peak	Horizontal
*	10511.5	32.2	15.6	47.8	68.2	-20.4	Peak	Horizontal
	11489.0	32.0	17.5	49.5	74.0	-24.5	Peak	Horizontal
*	8786.0	32.0	13.3	45.3	68.2	-22.9	Peak	Vertical
	9483.0	31.9	13.9	45.8	74.0	-28.2	Peak	Vertical
*	10494.5	32.3	15.5	47.8	68.2	-20.4	Peak	Vertical
	11489.0	36.0	17.5	53.5	74.0	-20.5	Peak	Vertical
	11489.0	27.9	17.5	45.4	54.0	-8.6	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	8182.5	32.9	11.7	44.6	74.0	-29.4	Peak	Horizontal
*	10333.0	32.0	15.3	47.3	68.2	-20.9	Peak	Horizontal
	11574.0	31.4	18.1	49.5	74.0	-24.5	Peak	Horizontal
*	14999.5	31.4	20.0	51.4	68.2	-16.8	Peak	Horizontal
	8446.0	32.7	11.9	44.6	74.0	-29.4	Peak	Vertical
*	8905.0	32.4	13.5	45.9	68.2	-22.3	Peak	Vertical
*	10579.5	32.3	15.6	47.9	68.2	-20.3	Peak	Vertical
	11574.0	35.1	18.1	53.2	74.0	-20.8	Peak	Vertical
	11574.0	27.5	18.1	45.6	54.0	-8.4	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
*	8709.5	32.6	12.9	45.5	68.2	-22.7	Peak	Horizontal
	9491.5	32.1	13.8	45.9	74.0	-28.1	Peak	Horizontal
*	10299.0	32.0	15.0	47.0	68.2	-21.2	Peak	Horizontal
	11650.5	31.0	17.9	48.9	74.0	-25.1	Peak	Horizontal
*	8709.5	31.8	12.9	44.7	68.2	-23.5	Peak	Vertical
	9415.0	32.2	14.0	46.2	74.0	-27.8	Peak	Vertical
*	10239.5	31.8	14.9	46.7	68.2	-21.5	Peak	Vertical
	11650.5	33.6	17.9	51.5	74.0	-22.5	Peak	Vertical
	11650.5	25.4	17.9	43.3	54.0	-10.7	Average	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	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	7477.0	32.2	11.4	43.6	74.0	-30.4	Peak	Horizontal
*	8879.5	31.7	13.2	44.9	68.2	-23.3	Peak	Horizontal
*	9976.0	32.9	14.3	47.2	68.2	-21.0	Peak	Horizontal
	11463.5	30.8	17.2	48.0	74.0	-26.0	Peak	Horizontal
*	8718.0	31.8	13.0	44.8	68.2	-23.4	Peak	Vertical
	9049.5	32.3	13.4	45.7	74.0	-28.3	Peak	Vertical
*	10358.5	39.3	15.4	54.7	68.2	-13.5	Peak	Vertical
	11438.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8803.0	32.1	13.3	45.4	68.2	-22.8	Peak	Horizontal
	9389.5	32.5	14.2	46.7	74.0	-27.3	Peak	Horizontal
*	10435.0	34.9	15.7	50.6	68.2	-17.6	Peak	Horizontal
	11659.0	30.4	17.9	48.3	74.0	-25.7	Peak	Horizontal
*	8735.0	31.0	13.1	44.1	68.2	-24.1	Peak	Vertical
	9185.5	31.9	14.0	45.9	74.0	-28.1	Peak	Vertical
*	10443.5	40.0	15.7	55.7	68.2	-12.5	Peak	Vertical
	11497.5	30.5	17.6	48.1	74.0	-25.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8811.5	31.7	13.4	45.1	68.2	-23.1	Peak	Horizontal
	9355.5	31.9	14.3	46.2	74.0	-27.8	Peak	Horizontal
*	10477.5	33.4	15.6	49.0	68.2	-19.2	Peak	Horizontal
	11472.0	30.8	17.2	48.0	74.0	-26.0	Peak	Horizontal
*	8786.0	32.4	13.3	45.7	68.2	-22.5	Peak	Vertical
	9449.0	32.4	13.7	46.1	74.0	-27.9	Peak	Vertical
*	10477.5	40.9	15.6	56.5	68.2	-11.7	Peak	Vertical
	11438.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8726.5	32.5	13.1	45.6	68.2	-22.6	Peak	Horizontal
	9398.0	32.0	14.2	46.2	74.0	-27.8	Peak	Horizontal
*	10520.0	33.2	15.7	48.9	68.2	-19.3	Peak	Horizontal
	11565.5	30.6	17.9	48.5	74.0	-25.5	Peak	Horizontal
	8165.5	33.2	11.8	45.0	74.0	-29.0	Peak	Vertical
*	8616.0	30.6	12.8	43.4	68.2	-24.8	Peak	Vertical
*	10511.5	38.8	15.6	54.4	68.2	-13.8	Peak	Vertical
	11608.0	31.0	17.7	48.7	74.0	-25.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8726.5	32.4	13.1	45.5	68.2	-22.7	Peak	Horizontal
*	9976.0	32.7	14.3	47.0	68.2	-21.2	Peak	Horizontal
	10605.0	34.3	16.0	50.3	74.0	-23.7	Peak	Horizontal
	11072.5	32.5	16.9	49.4	74.0	-24.6	Peak	Horizontal
*	8811.5	31.8	13.4	45.2	68.2	-23.0	Peak	Vertical
	9083.5	32.0	13.5	45.5	74.0	-28.5	Peak	Vertical
*	9738.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	10605.0	38.6	16.0	54.6	74.0	-19.4	Peak	Vertical
	10605.0	30.7	16.0	46.7	54.0	-7.3	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8845.5	31.8	13.4	45.2	68.2	-23.0	Peak	Horizontal
	9491.5	31.7	13.8	45.5	74.0	-28.5	Peak	Horizontal
*	10248.0	31.6	14.9	46.5	68.2	-21.7	Peak	Horizontal
	10630.5	32.9	15.6	48.5	74.0	-25.5	Peak	Horizontal
*	8769.0	32.3	13.2	45.5	68.2	-22.7	Peak	Vertical
	9194.0	32.0	14.1	46.1	74.0	-27.9	Peak	Vertical
*	9678.5	33.5	13.7	47.2	68.2	-21.0	Peak	Vertical
	10639.0	37.4	15.6	53.0	74.0	-21.0	Peak	Vertical
	10639.0	29.7	15.6	45.3	54.0	-8.7	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
*	8718.0	31.8	13.0	44.8	68.2	-23.4	Peak	Horizontal
	9083.5	32.4	13.5	45.9	74.0	-28.1	Peak	Horizontal
	11004.5	31.5	16.7	48.2	74.0	-25.8	Peak	Horizontal
*	14812.5	30.2	20.5	50.7	68.2	-17.5	Peak	Horizontal
	9100.5	32.1	13.7	45.8	74.0	-28.2	Peak	Vertical
*	9942.0	33.0	14.3	47.3	68.2	-20.9	Peak	Vertical
	10996.0	35.2	16.9	52.1	74.0	-21.9	Peak	Vertical
	10996.0	27.0	16.9	43.9	54.0	-10.1	Average	Vertical
*	14175.0	30.0	20.7	50.7	68.2	-17.5	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	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8752.0	32.0	13.0	45.0	68.2	-23.2	Peak	Horizontal
	9185.5	31.8	14.0	45.8	74.0	-28.2	Peak	Horizontal
	11812.0	31.0	17.6	48.6	74.0	-25.4	Peak	Horizontal
*	14906.0	30.4	20.4	50.8	68.2	-17.4	Peak	Horizontal
*	8769.0	31.4	13.2	44.6	68.2	-23.6	Peak	Vertical
	9168.5	31.3	13.8	45.1	74.0	-28.9	Peak	Vertical
*	10248.0	32.7	14.9	47.6	68.2	-20.6	Peak	Vertical
	11149.0	33.5	17.1	50.6	74.0	-23.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	9117.5	32.0	13.6	45.6	74.0	-28.4	Peak	Horizontal
*	10265.0	31.6	14.8	46.4	68.2	-21.8	Peak	Horizontal
	11395.5	32.7	17.5	50.2	74.0	-23.8	Peak	Horizontal
*	14132.5	31.4	19.6	51.0	68.2	-17.2	Peak	Horizontal
	9109.0	31.4	13.6	45.0	74.0	-29.0	Peak	Vertical
*	9925.0	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
	11395.5	35.1	17.5	52.6	74.0	-21.4	Peak	Vertical
	11395.5	26.9	17.5	44.4	54.0	-9.6	Average	Vertical
*	14370.5	31.0	19.6	50.6	68.2	-17.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	8131.5	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
*	9704.0	33.2	13.6	46.8	68.2	-21.4	Peak	Horizontal
	11489.0	32.5	17.5	50.0	74.0	-24.0	Peak	Horizontal
*	14260.0	30.2	20.2	50.4	68.2	-17.8	Peak	Horizontal
	8097.5	33.1	11.9	45.0	74.0	-29.0	Peak	Vertical
*	10078.0	32.4	14.1	46.5	68.2	-21.7	Peak	Vertical
	11489.0	34.2	17.5	51.7	74.0	-22.3	Peak	Vertical
	11489.0	26.5	17.5	44.0	54.0	-10.0	Average	Vertical
*	14175.0	30.0	20.7	50.7	68.2	-17.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	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/m)	Detector	Polarization
	8429.0	31.8	11.8	43.6	74.0	-30.4	Peak	Horizontal
*	8743.5	32.3	13.0	45.3	68.2	-22.9	Peak	Horizontal
*	10290.5	32.5	14.9	47.4	68.2	-20.8	Peak	Horizontal
	11531.5	31.1	17.5	48.6	74.0	-25.4	Peak	Horizontal
	9117.5	32.0	13.6	45.6	74.0	-28.4	Peak	Vertical
*	10239.5	32.1	14.9	47.0	68.2	-21.2	Peak	Vertical
	11574.0	34.6	18.1	52.7	74.0	-21.3	Peak	Vertical
	11574.0	27.0	18.1	45.1	54.0	-8.9	Average	Vertical
*	14209.0	31.0	19.9	50.9	68.2	-17.3	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	Luis Yang
Test Date	2022-08-24	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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	8148.5	32.5	12.0	44.5	74.0	-29.5	Peak	Horizontal
*	9806.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
	11650.5	31.4	17.9	49.3	74.0	-24.7	Peak	Horizontal
*	14090.0	30.4	20.1	50.5	68.2	-17.7	Peak	Horizontal
	8140.0	32.1	12.0	44.1	74.0	-29.9	Peak	Vertical
*	10341.5	31.8	15.3	47.1	68.2	-21.1	Peak	Vertical
	11642.0	33.1	17.8	50.9	74.0	-23.1	Peak	Vertical
*	14192.0	30.1	20.3	50.4	68.2	-17.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 38
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	8803.0	31.8	13.3	45.1	68.2	-23.1	Peak	Horizontal
	9381.0	31.9	14.2	46.1	74.0	-27.9	Peak	Horizontal
*	10384.0	35.7	15.5	51.2	68.2	-17.0	Peak	Horizontal
	11727.0	30.7	17.7	48.4	74.0	-25.6	Peak	Horizontal
	7621.5	32.6	11.3	43.9	74.0	-30.1	Peak	Vertical
	9143.0	31.5	13.9	45.4	74.0	-28.6	Peak	Vertical
*	9755.0	32.3	13.7	46.0	68.2	-22.2	Peak	Vertical
*	10384.0	35.7	15.5	51.2	68.2	-17.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 46
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/m)	Detector	Polarization
	8029.5	33.4	11.9	45.3	74.0	-28.7	Peak	Horizontal
*	10392.5	31.7	15.6	47.3	68.2	-20.9	Peak	Horizontal
*	14090.0	29.9	20.1	50.0	68.2	-18.2	Peak	Horizontal
	14472.5	30.4	20.4	50.8	74.0	-23.2	Peak	Horizontal
	8242.0	32.7	11.6	44.3	74.0	-29.7	Peak	Vertical
*	10460.5	37.6	15.6	53.2	68.2	-15.0	Peak	Vertical
	11523.0	30.7	17.6	48.3	74.0	-25.7	Peak	Vertical
*	14396.0	30.2	20.1	50.3	68.2	-17.9	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	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 54
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/m)	Detector	Polarization
	9083.5	31.8	13.5	45.3	74.0	-28.7	Peak	Horizontal
*	9806.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
	12288.0	31.5	17.1	48.6	74.0	-25.4	Peak	Horizontal
*	13733.0	29.7	19.8	49.5	68.2	-18.7	Peak	Horizontal
	8097.5	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
*	10554.0	37.4	15.6	53.0	68.2	-15.2	Peak	Vertical
	11438.0	30.4	17.7	48.1	74.0	-25.9	Peak	Vertical
*	14090.0	30.4	20.1	50.5	68.2	-17.7	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	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 62
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	7273.0	33.2	11.4	44.6	74.0	-29.4	Peak	Horizontal
*	10290.5	32.2	14.9	47.1	68.2	-21.1	Peak	Horizontal
	11344.5	31.3	17.6	48.9	74.0	-25.1	Peak	Horizontal
*	14175.0	30.2	20.7	50.9	68.2	-17.3	Peak	Horizontal
	8463.0	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
*	8743.5	31.9	13.0	44.9	68.2	-23.3	Peak	Vertical
*	9865.5	32.0	14.1	46.1	68.2	-22.1	Peak	Vertical
	10613.5	36.7	16.0	52.7	74.0	-21.3	Peak	Vertical
	10613.5	31.5	16.0	47.5	54.0	-6.5	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 102
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	8072.0	34.1	11.9	46.0	74.0	-28.0	Peak	Horizontal
*	10554.0	31.8	15.6	47.4	68.2	-20.8	Peak	Horizontal
	12305.0	31.4	17.4	48.8	74.0	-25.2	Peak	Horizontal
*	14073.0	30.3	20.0	50.3	68.2	-17.9	Peak	Horizontal
	8386.5	32.9	11.5	44.4	74.0	-29.6	Peak	Vertical
*	9882.5	33.5	14.0	47.5	68.2	-20.7	Peak	Vertical
	11030.0	33.2	16.7	49.9	74.0	-24.1	Peak	Vertical
*	14404.5	30.8	20.0	50.8	68.2	-17.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 110
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/m)	Detector	Polarization
	8395.0	32.8	11.5	44.3	74.0	-29.7	Peak	Horizontal
*	9712.5	32.9	13.7	46.6	68.2	-21.6	Peak	Horizontal
	12696.0	31.8	17.4	49.2	74.0	-24.8	Peak	Horizontal
*	14149.5	31.2	19.5	50.7	68.2	-17.5	Peak	Horizontal
	7723.5	32.3	11.2	43.5	74.0	-30.5	Peak	Vertical
*	9908.0	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
	11115.0	32.8	17.2	50.0	74.0	-24.0	Peak	Vertical
*	14141.0	31.0	19.5	50.5	68.2	-17.7	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	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 134
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/m)	Detector	Polarization
	7400.5	32.1	11.5	43.6	74.0	-30.4	Peak	Horizontal
*	9899.5	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
	11497.5	30.9	17.6	48.5	74.0	-25.5	Peak	Horizontal
*	14812.5	30.4	20.5	50.9	68.2	-17.3	Peak	Horizontal
	8454.5	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
*	9967.5	32.1	14.3	46.4	68.2	-21.8	Peak	Vertical
	11344.5	32.4	17.6	50.0	74.0	-24.0	Peak	Vertical
*	14175.0	31.2	20.7	51.9	68.2	-16.3	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	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 151
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
	7468.5	31.9	11.3	43.2	74.0	-30.8	Peak	Horizontal
*	7817.0	34.9	11.0	45.9	68.2	-22.3	Peak	Horizontal
*	9857.0	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
	11004.5	32.2	16.7	48.9	74.0	-25.1	Peak	Horizontal
	8097.5	32.6	11.9	44.5	74.0	-29.5	Peak	Vertical
*	10222.5	32.6	14.6	47.2	68.2	-21.0	Peak	Vertical
	11514.5	33.9	17.6	51.5	74.0	-22.5	Peak	Vertical
	11514.5	28.6	17.6	46.2	54.0	-7.8	Average	Vertical
*	14362.0	28.8	19.2	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

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

Test Site	WZ-AC2	Test Engineer	Luis Yang
Test Date	2022-08-24	Test Mode	802.11n-HT40 – Channel 159
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB/m)	Detector	Polarization
*	7851.0	31.7	11.1	42.8	68.2	-25.4	Peak	Horizontal
	8446.0	33.0	11.9	44.9	74.0	-29.1	Peak	Horizontal
*	9959.0	32.6	14.2	46.8	68.2	-21.4	Peak	Horizontal
	10622.0	32.9	15.8	48.7	74.0	-25.3	Peak	Horizontal
*	7944.5	31.8	11.8	43.6	68.2	-24.6	Peak	Vertical
	9194.0	30.7	14.1	44.8	74.0	-29.2	Peak	Vertical
*	10120.5	30.3	14.2	44.5	68.2	-23.7	Peak	Vertical
	11072.5	31.7	16.9	48.6	74.0	-25.4	Peak	Vertical

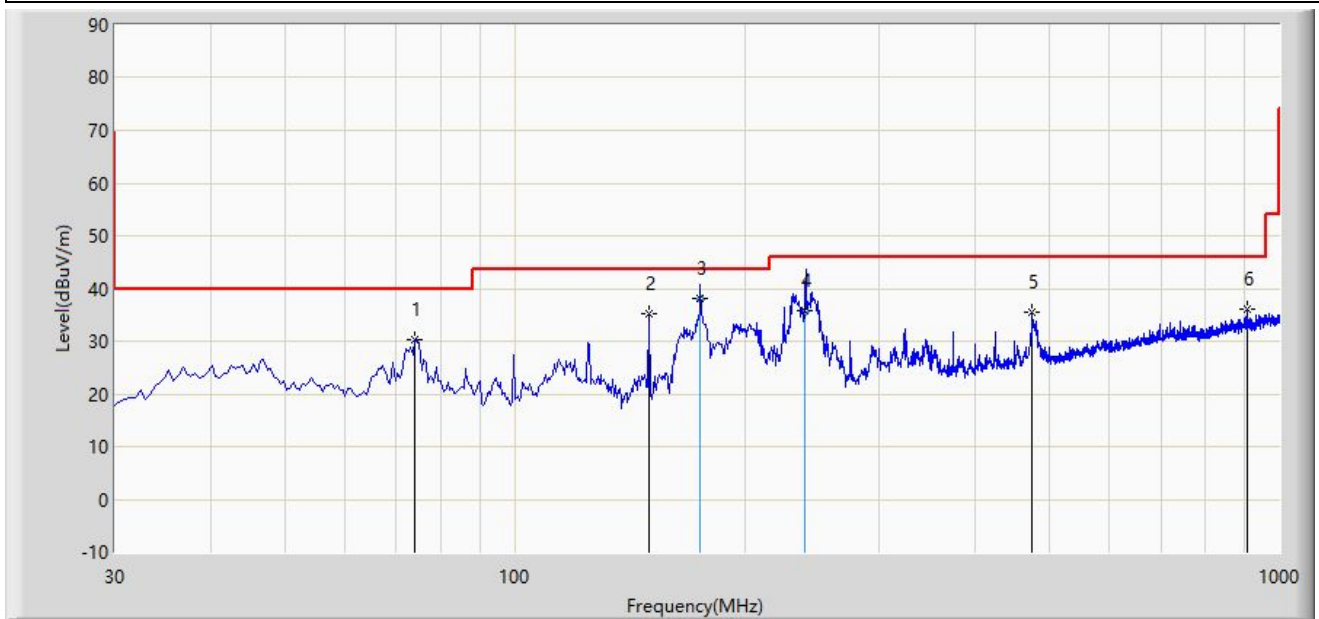
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Test Data of Radiated Emission below 1GHz:

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Luis Yang
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
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		74.135	30.376	14.991	-9.624	40.000	15.385	PK
2		149.795	35.291	20.012	-8.209	43.500	15.279	PK
3	*	175.002	38.100	21.900	-5.400	43.500	16.200	QP
4		239.957	35.680	15.900	-10.320	46.000	19.780	QP
5		474.745	35.585	11.082	-10.415	46.000	24.503	PK
6		907.365	36.001	4.744	-9.999	46.000	31.256	PK

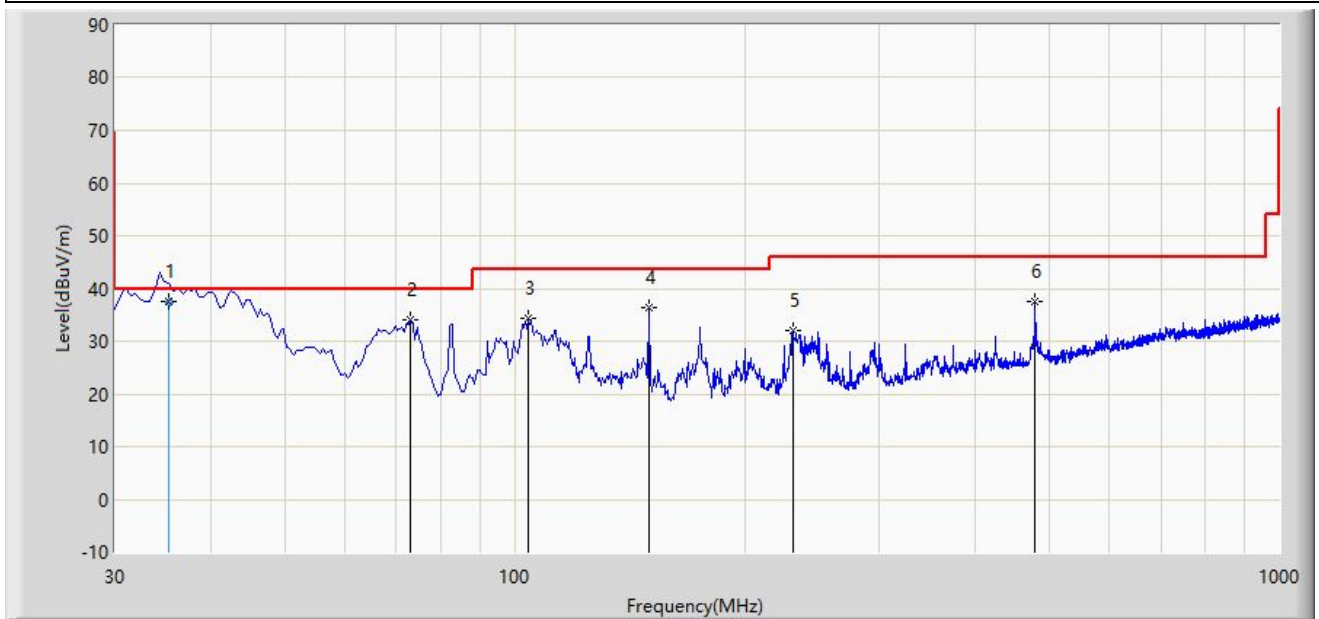
Note 1: " * ", means this data is the worst emission level.

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

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

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Luis Yang
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Note: Transmit by 802.11a at 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	35.227	37.497	20.200	-2.503	40.000	17.297	QP
2		73.165	33.987	18.267	-6.013	40.000	15.720	PK
3		104.205	34.476	15.903	-9.024	43.500	18.573	PK
4		149.795	36.449	21.170	-7.051	43.500	15.279	PK
5		231.275	32.040	12.797	-13.960	46.000	19.243	PK
6		479.595	37.613	12.857	-8.387	46.000	24.756	PK

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

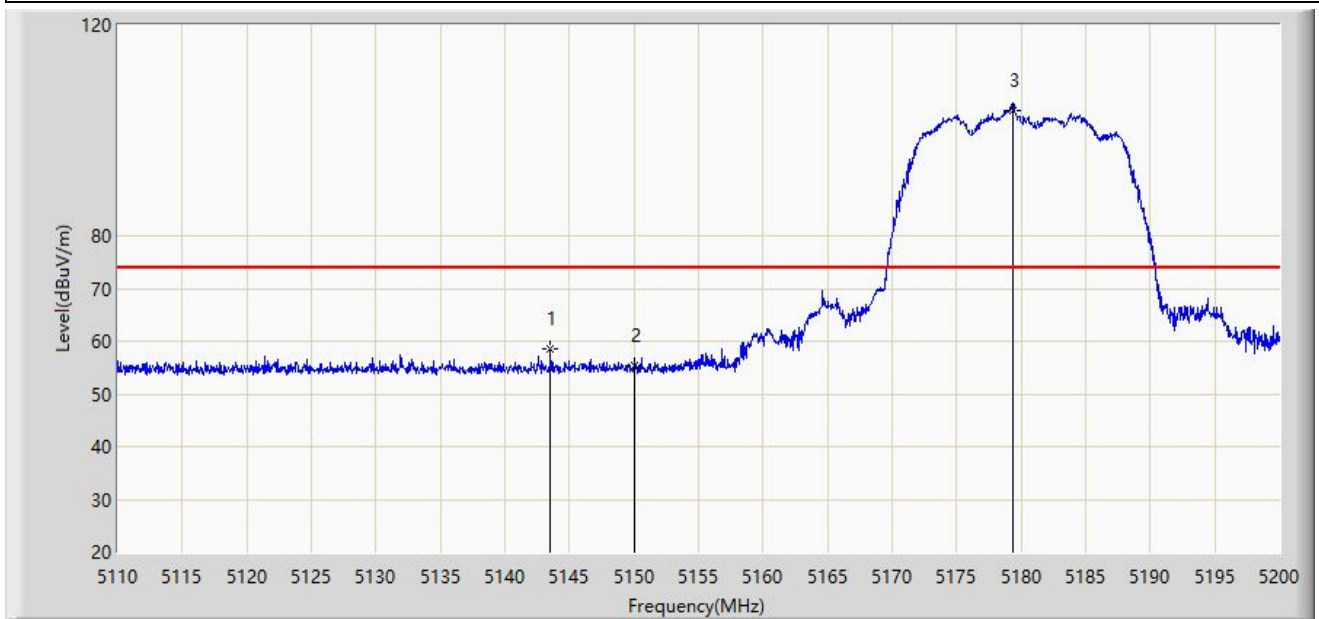
Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m).

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

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

A.3 Radiated Restricted Band Edge Test Result

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5180MHz	



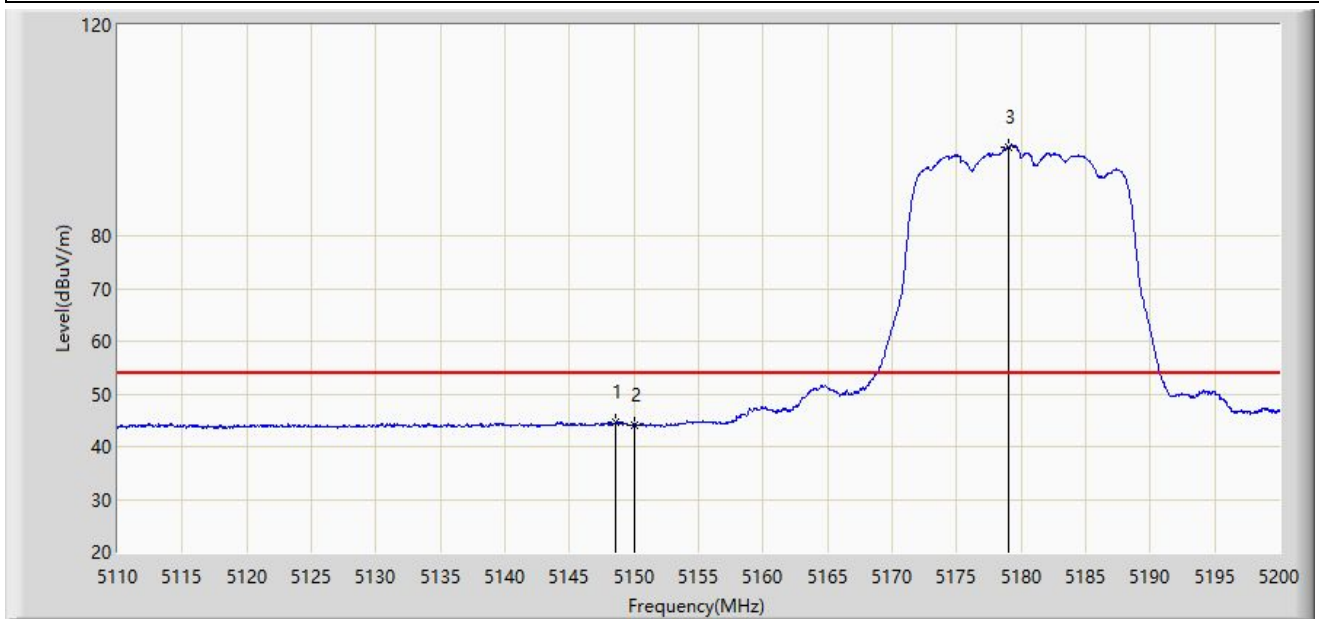
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5143.525	58.530	54.359	-15.470	74.000	4.170	PK
2		5150.000	55.283	51.165	-18.717	74.000	4.118	PK
3		5179.390	103.791	99.967	N/A	N/A	3.824	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5180MHz	



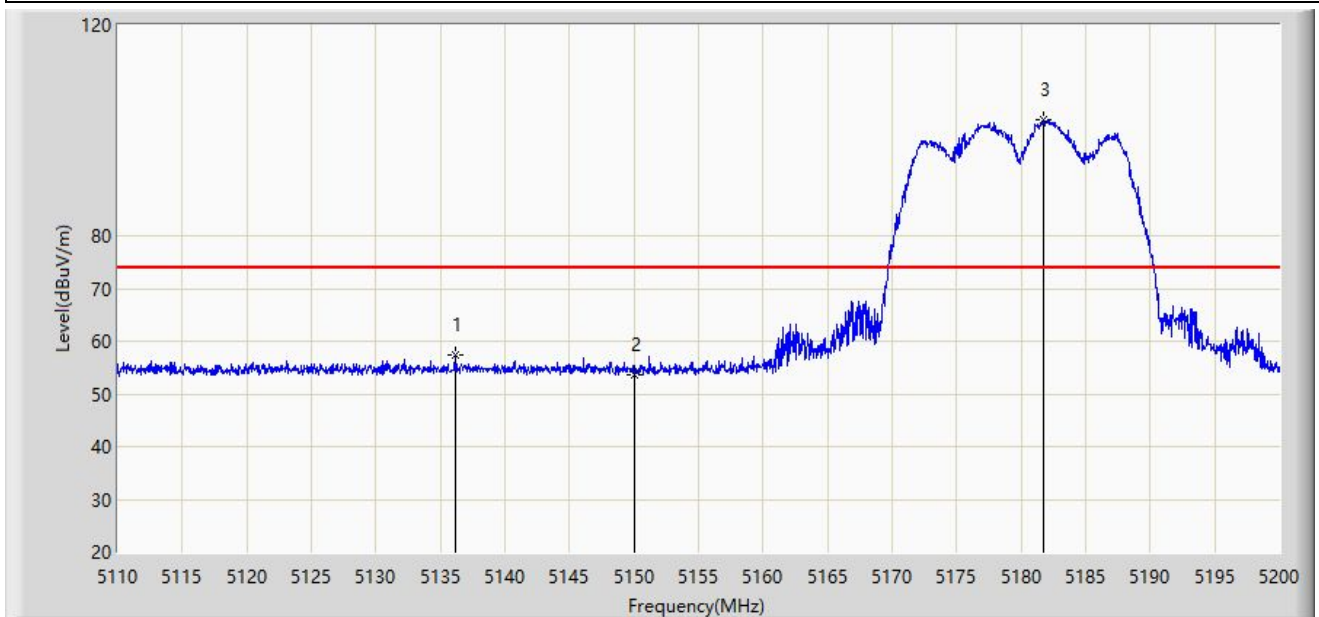
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5148.565	44.550	40.394	-9.450	54.000	4.157	AV
2		5150.000	44.048	39.930	-9.952	54.000	4.118	AV
3		5179.075	96.940	93.116	N/A	N/A	3.825	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5136.145	57.420	53.250	-16.580	74.000	4.170	PK
2		5150.000	53.567	49.449	-20.433	74.000	4.118	PK
3		5181.730	101.903	98.078	N/A	N/A	3.825	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5180MHz	



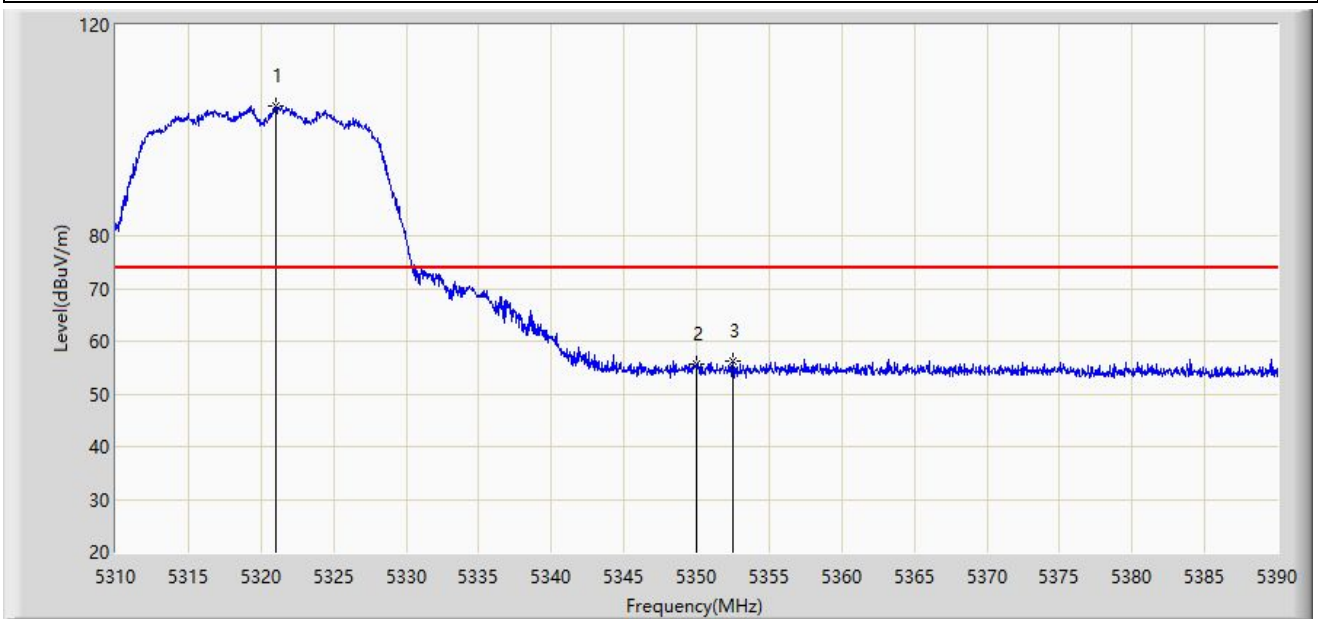
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5150.000	43.745	39.627	-10.255	54.000	4.118	AV
2		5182.180	94.749	90.923	N/A	N/A	3.826	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5320MHz	



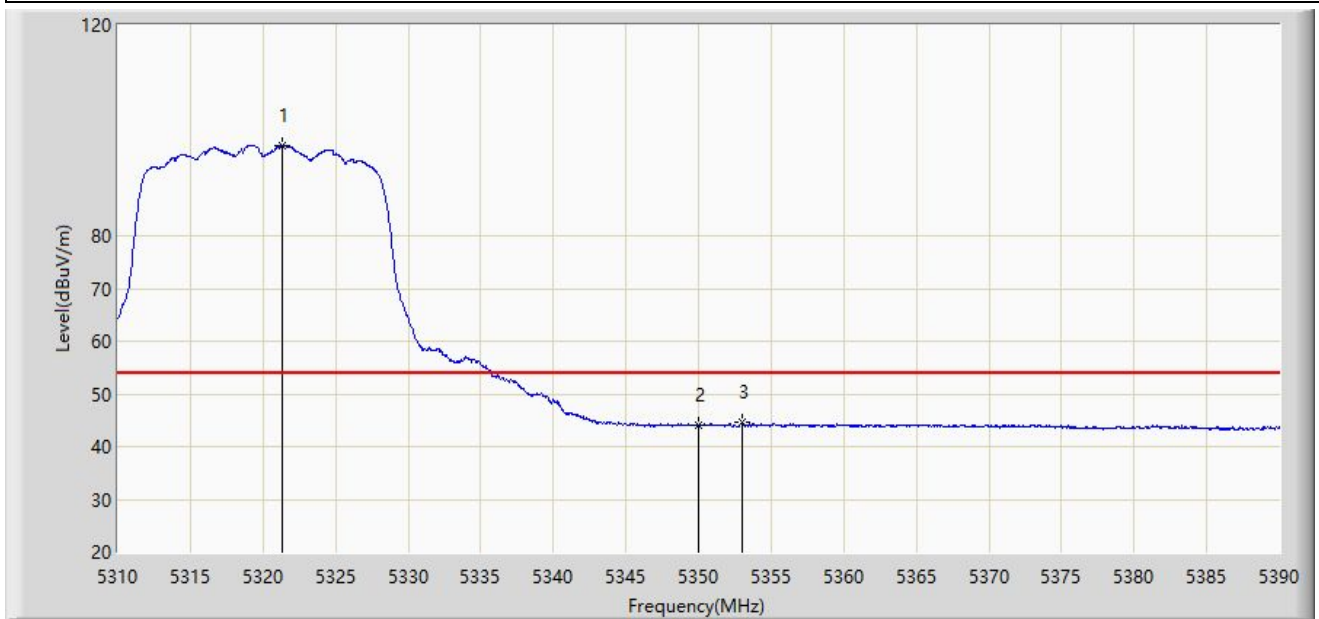
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.000	104.501	100.921	N/A	N/A	3.580	PK
2		5350.000	55.733	51.850	-18.267	74.000	3.884	PK
3	*	5352.520	56.348	52.428	-17.652	74.000	3.921	PK

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: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5320MHz	



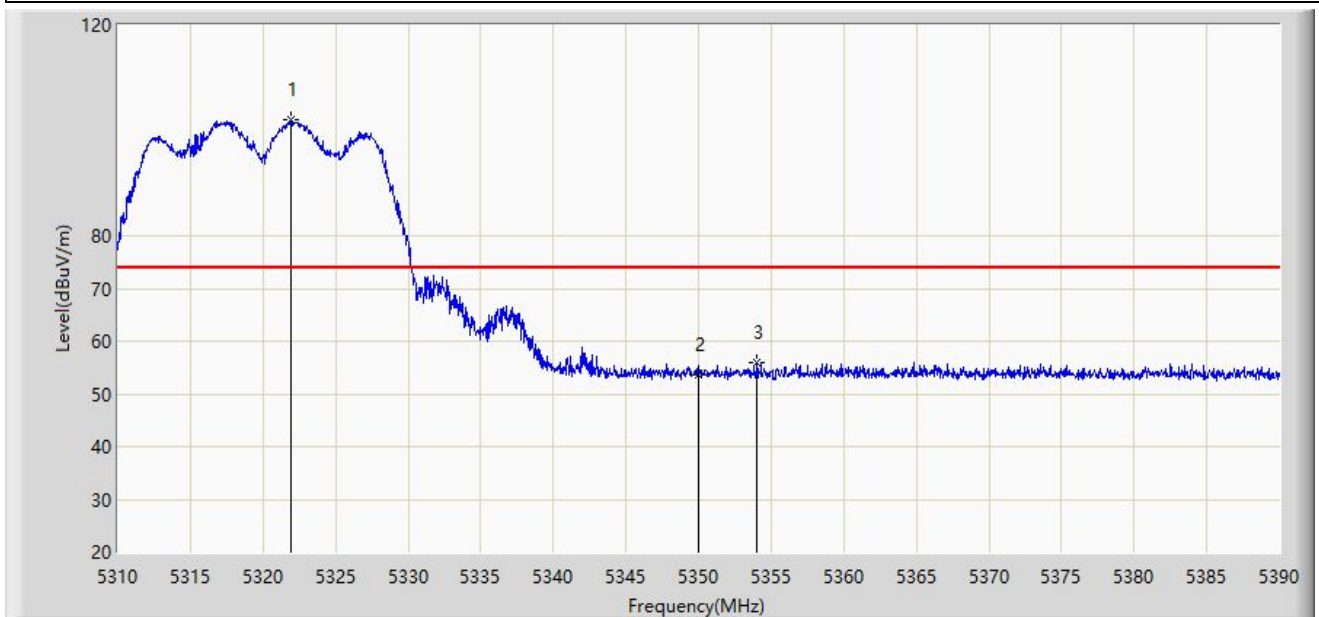
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5321.320	97.206	93.622	N/A	N/A	3.584	AV
2		5350.000	44.102	40.219	-9.898	54.000	3.884	AV
3	*	5353.000	44.494	40.572	-9.506	54.000	3.922	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5320MHz	



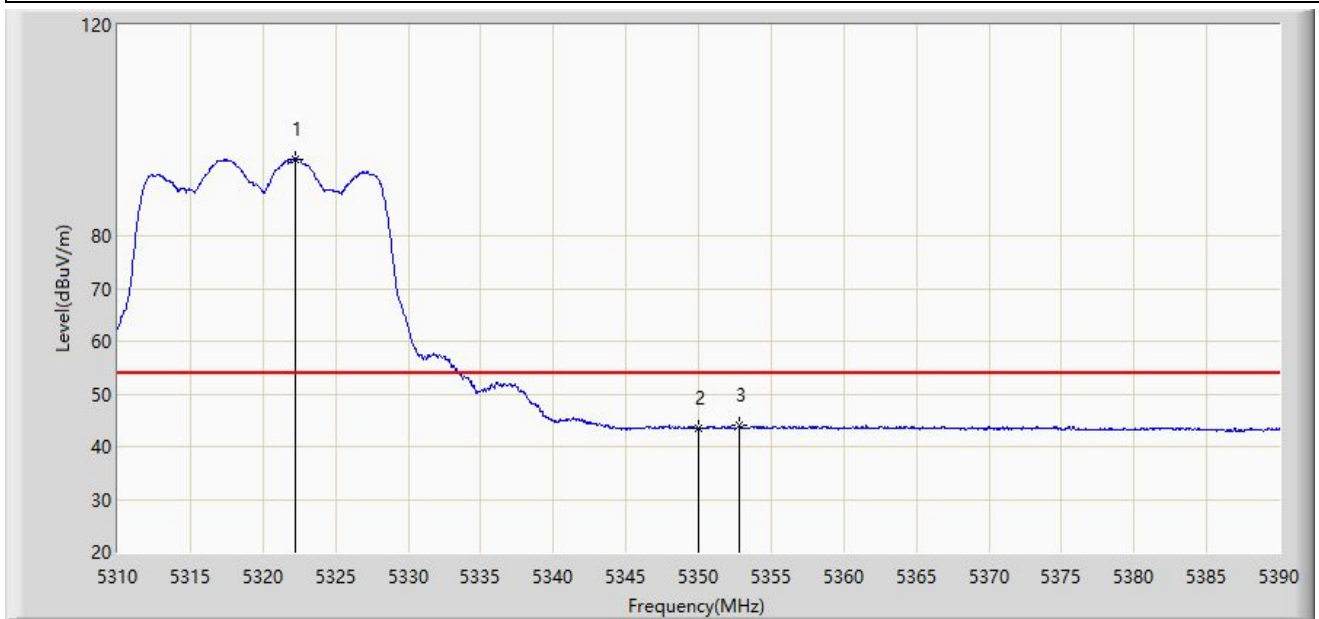
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.920	101.988	98.395	N/A	N/A	3.592	PK
2		5350.000	53.704	49.821	-20.296	74.000	3.884	PK
3	*	5354.040	55.847	51.920	-18.153	74.000	3.927	PK

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: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5320MHz	



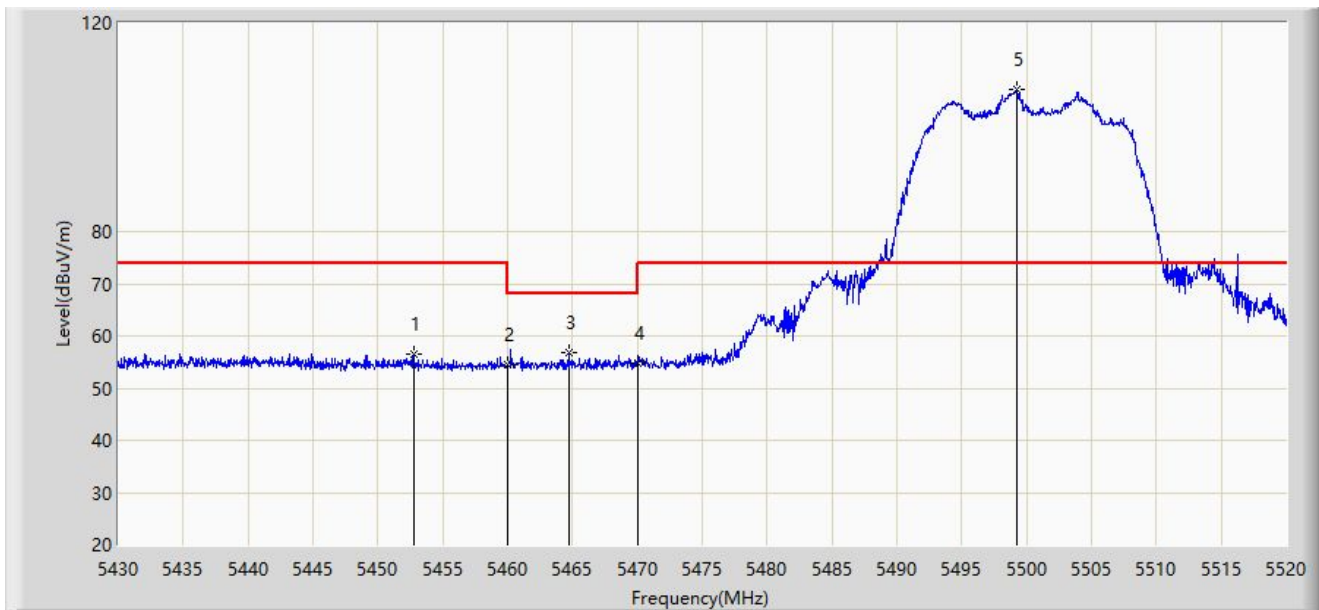
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5322.280	94.590	90.992	N/A	N/A	3.597	AV
2		5350.000	43.476	39.593	-10.524	54.000	3.884	AV
3	*	5352.800	44.048	40.127	-9.952	54.000	3.921	AV

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: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5500MHz	



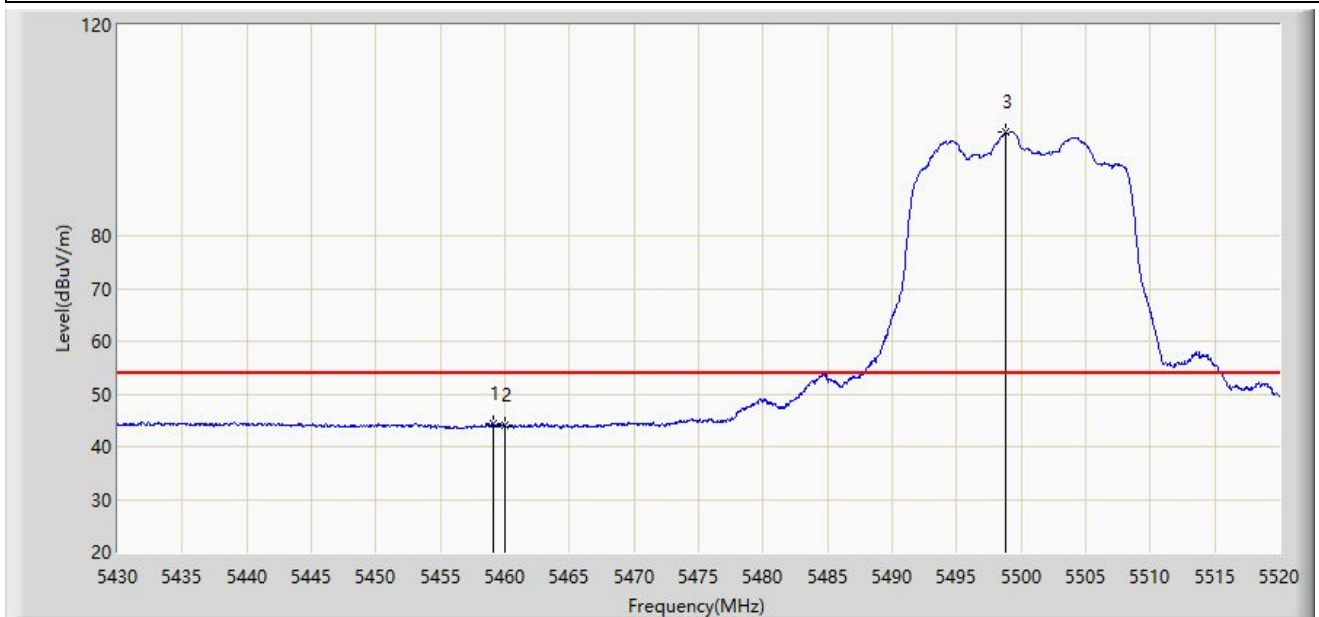
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5452.770	56.401	52.424	-17.599	74.000	3.977	PK
2		5460.000	54.473	50.569	-19.527	74.000	3.904	PK
3	*	5464.695	56.840	52.959	-11.360	68.200	3.881	PK
4		5470.000	54.761	50.905	-13.439	68.200	3.856	PK
5		5499.255	107.343	103.228	N/A	N/A	4.114	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5500MHz	



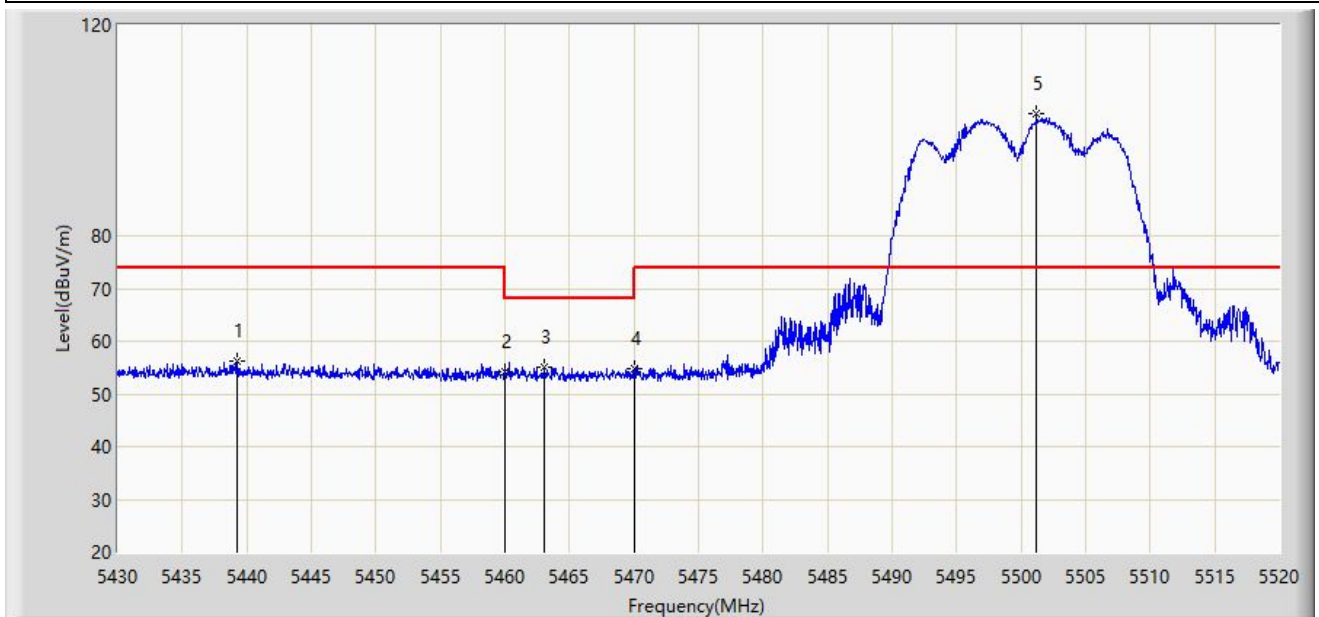
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1	*	5459.070	44.378	40.470	-9.622	54.000	3.908	AV
2		5460.000	44.001	40.097	-9.999	54.000	3.904	AV
3		5498.850	99.670	95.562	N/A	N/A	4.108	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		5439.225	56.185	51.889	-17.815	74.000	4.295	PK
2		5460.000	54.310	50.406	-19.690	74.000	3.904	PK
3	*	5463.075	55.027	51.138	-13.173	68.200	3.889	PK
4		5470.000	54.705	50.849	-13.495	68.200	3.856	PK
5		5501.190	103.127	98.978	N/A	N/A	4.150	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5500MHz	



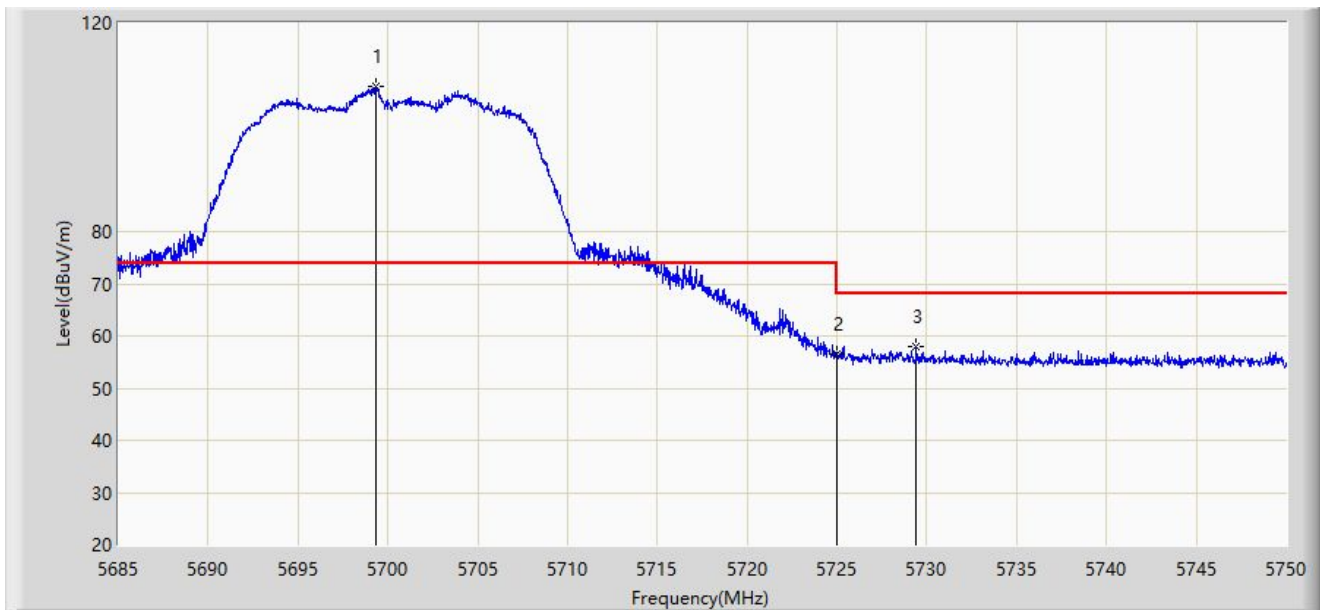
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5451.555	43.781	39.776	-10.219	54.000	4.005	AV
2		5460.000	43.269	39.365	-10.731	54.000	3.904	AV
3		5501.910	95.049	90.888	N/A	N/A	4.161	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5700MHz	



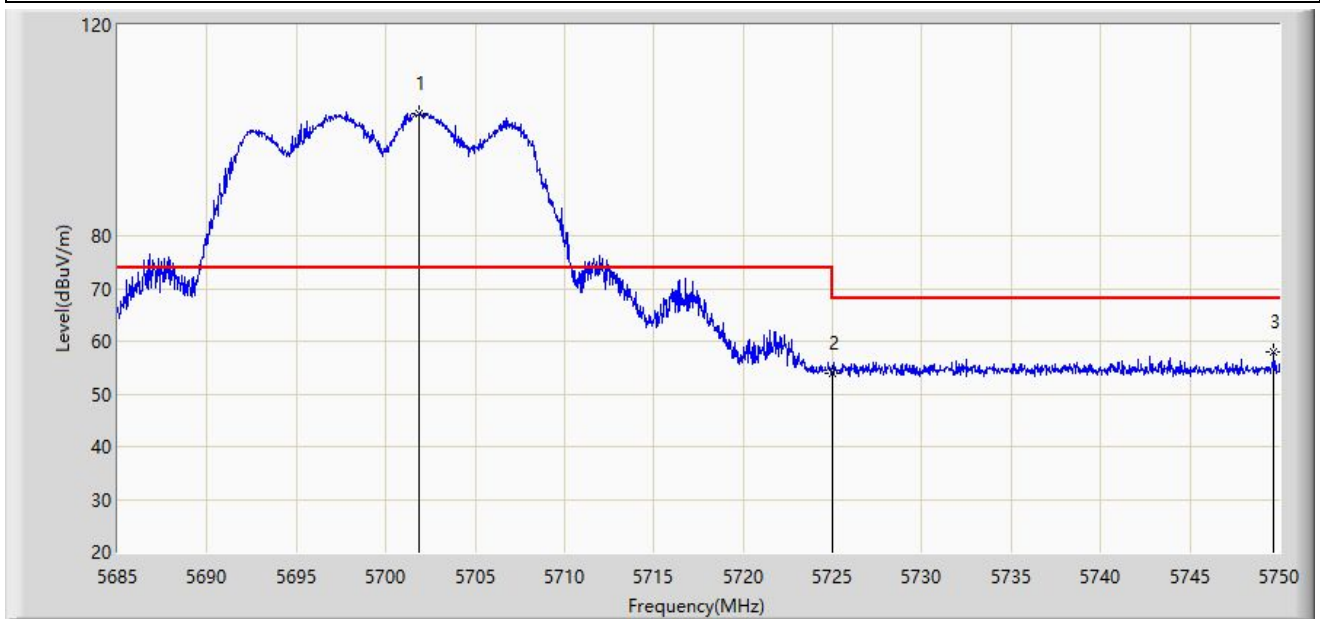
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5699.300	107.965	102.790	N/A	N/A	5.175	PK
2		5725.000	56.558	51.037	-11.642	68.200	5.521	PK
3	*	5729.428	58.033	52.475	-10.167	68.200	5.557	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5700MHz	



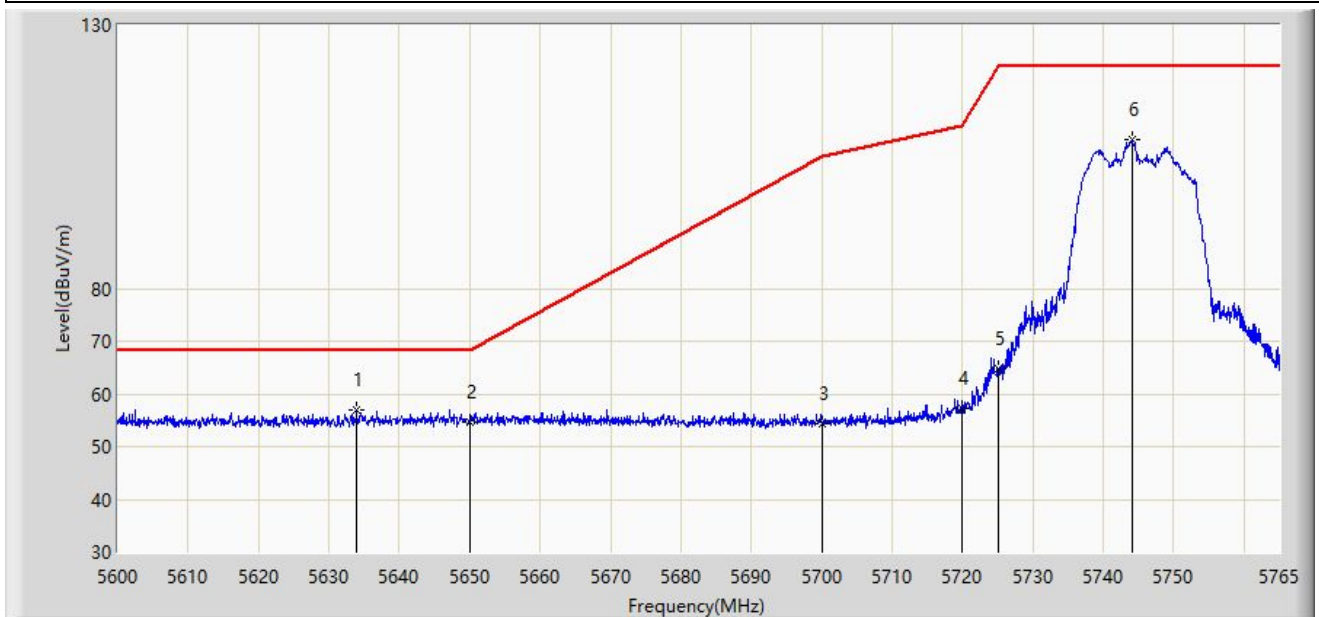
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5701.900	103.303	98.106	N/A	N/A	5.198	PK
2		5725.000	53.952	48.431	-14.248	68.200	5.521	PK
3	*	5749.708	58.055	52.505	-10.145	68.200	5.551	PK

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: 2022-08-22
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5745MHz	



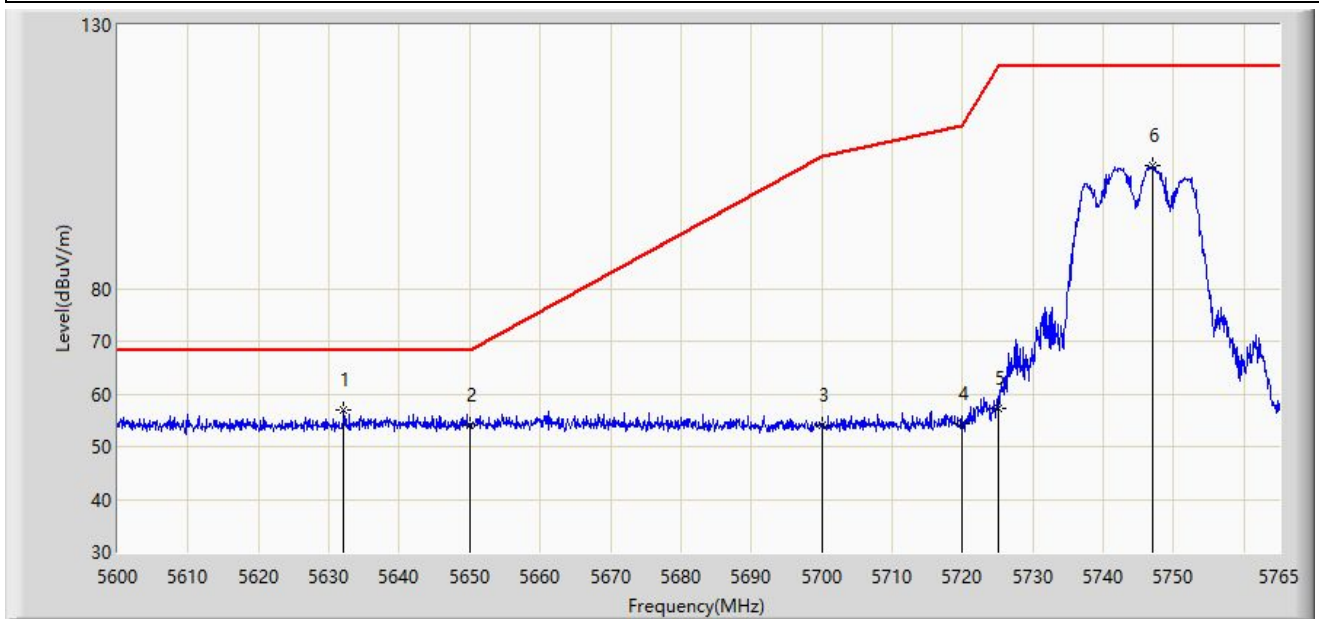
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1	*	5633.908	56.832	51.872	-11.368	68.200	4.960	PK
2		5650.000	54.726	49.504	-13.474	68.200	5.222	PK
3		5700.000	54.299	49.118	-50.901	105.200	5.181	PK
4		5720.000	57.159	51.720	-53.641	110.800	5.439	PK
5		5725.000	64.706	59.185	-57.494	122.200	5.521	PK
6		5744.210	108.252	102.618	N/A	N/A	5.633	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5745MHz	



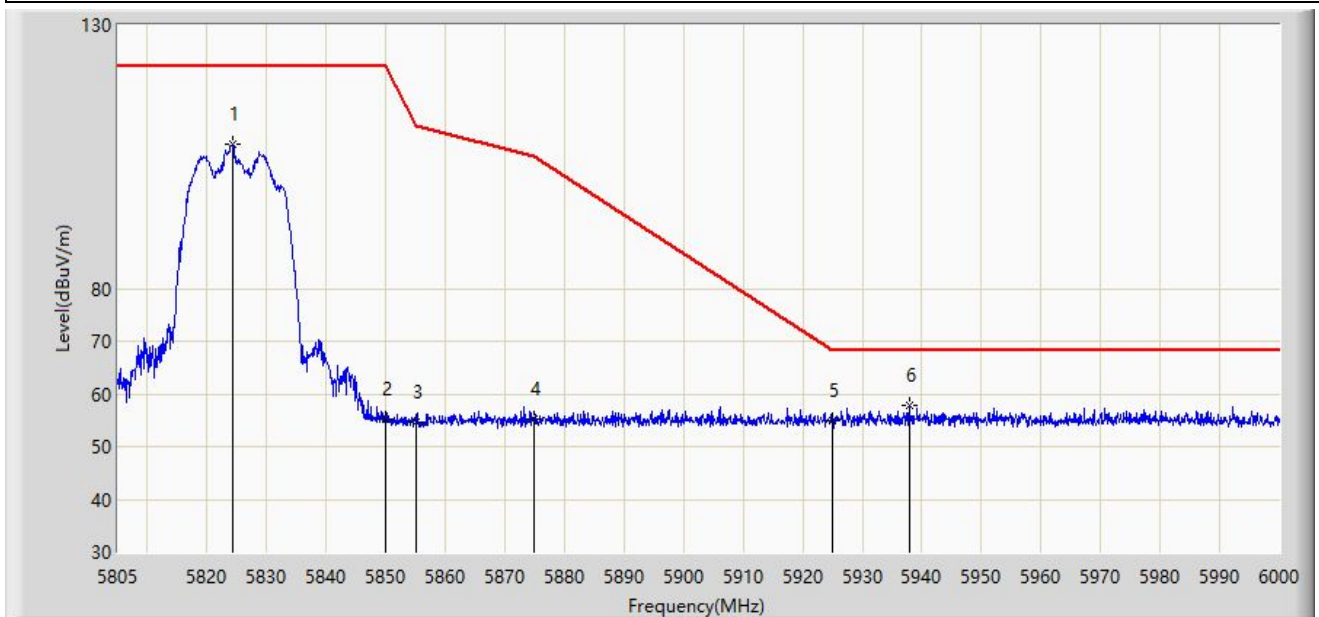
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5632.092	57.093	52.177	-11.107	68.200	4.917	PK
2		5650.000	54.169	48.947	-14.031	68.200	5.222	PK
3		5700.000	53.940	48.759	-51.260	105.200	5.181	PK
4		5720.000	54.318	48.879	-56.482	110.800	5.439	PK
5		5725.000	57.272	51.751	-64.928	122.200	5.521	PK
6		5747.015	103.409	97.817	N/A	N/A	5.592	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5825MHz	



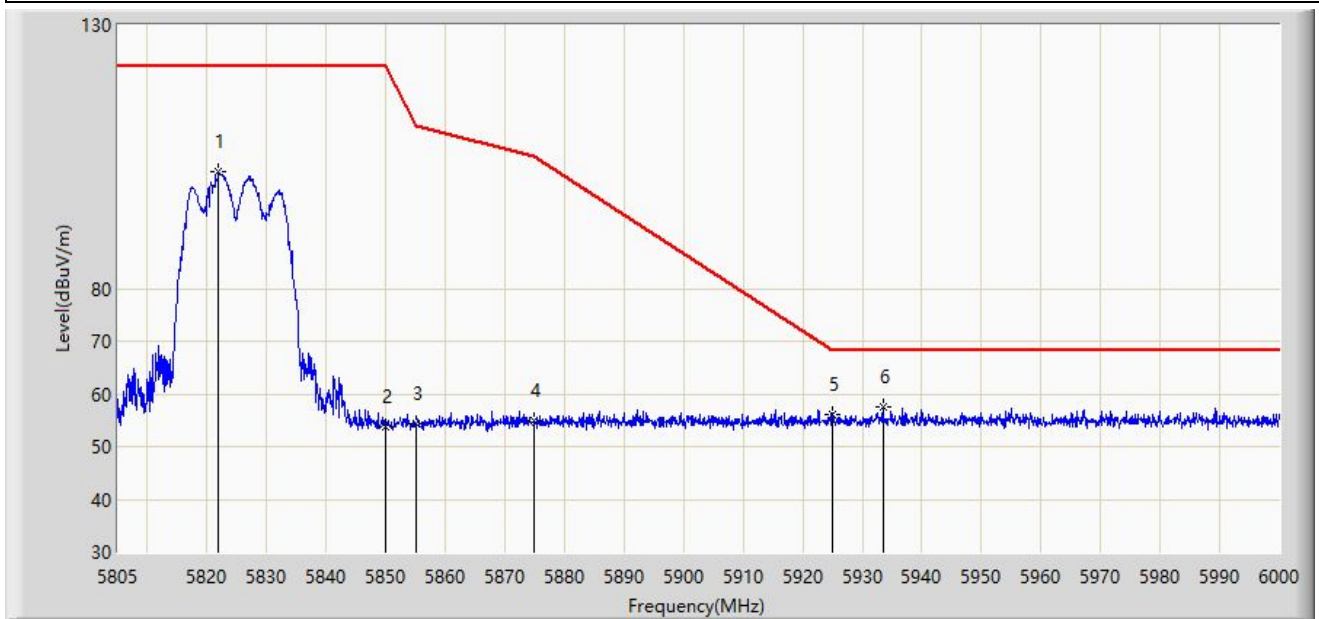
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5824.402	107.535	101.933	N/A	N/A	5.602	PK
2		5850.000	55.347	49.627	-66.853	122.200	5.720	PK
3		5855.000	54.651	48.849	-56.149	110.800	5.802	PK
4		5875.000	55.361	49.412	-49.839	105.200	5.949	PK
5		5925.000	54.956	48.896	-13.244	68.200	6.060	PK
6	*	5937.893	57.840	51.755	-10.360	68.200	6.086	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-22
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11a at 5825MHz	



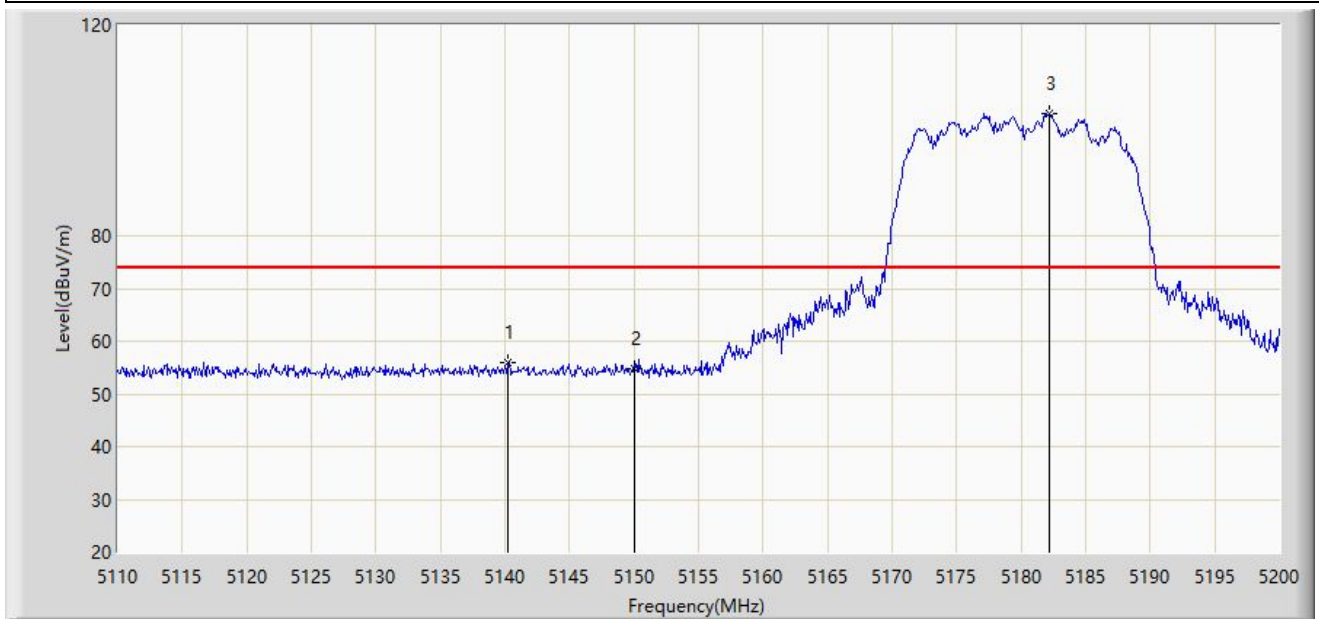
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5821.965	102.168	96.540	N/A	N/A	5.628	PK
2		5850.000	53.899	48.179	-68.301	122.200	5.720	PK
3		5855.000	54.314	48.512	-56.486	110.800	5.802	PK
4		5875.000	54.987	49.038	-50.213	105.200	5.949	PK
5		5925.000	56.231	50.171	-11.969	68.200	6.060	PK
6	*	5933.505	57.649	51.523	-10.551	68.200	6.126	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



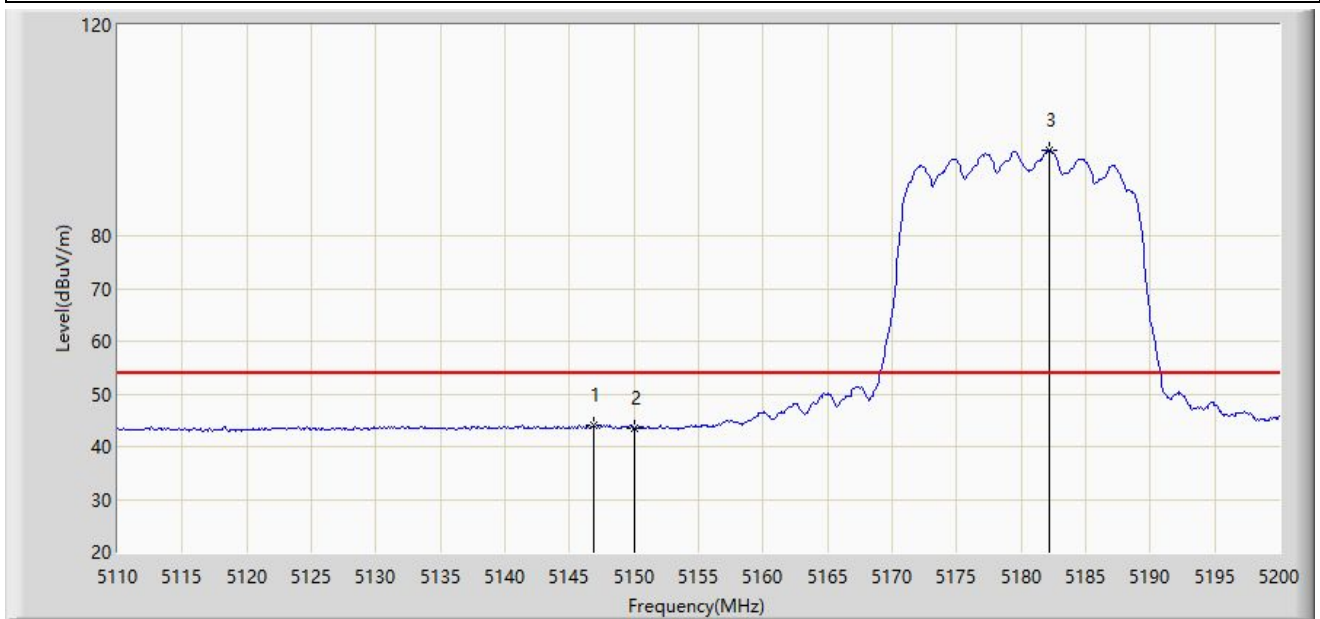
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5140.240	55.909	51.739	-18.091	74.000	4.171	PK
2		5150.000	54.656	50.538	-19.344	74.000	4.118	PK
3		5182.180	103.170	99.344	N/A	N/A	3.826	PK

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: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



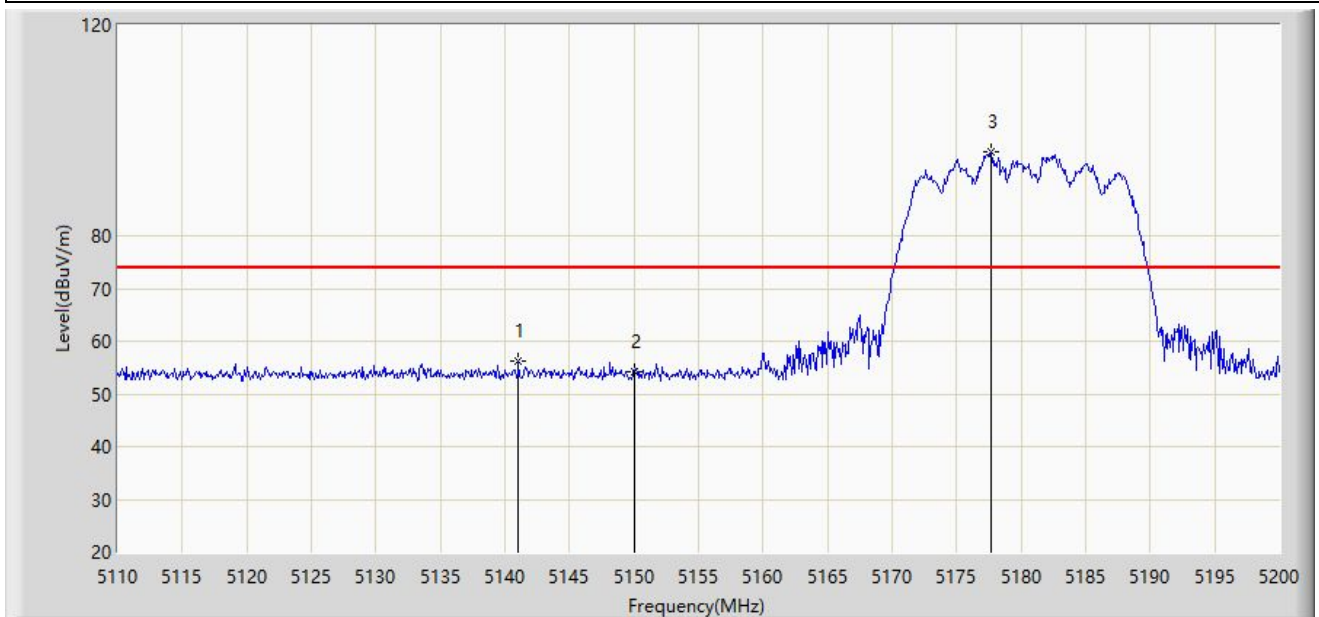
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5146.900	44.096	39.925	-9.904	54.000	4.171	AV
2		5150.000	43.561	39.443	-10.439	54.000	4.118	AV
3		5182.180	96.322	92.496	N/A	N/A	3.826	AV

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: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



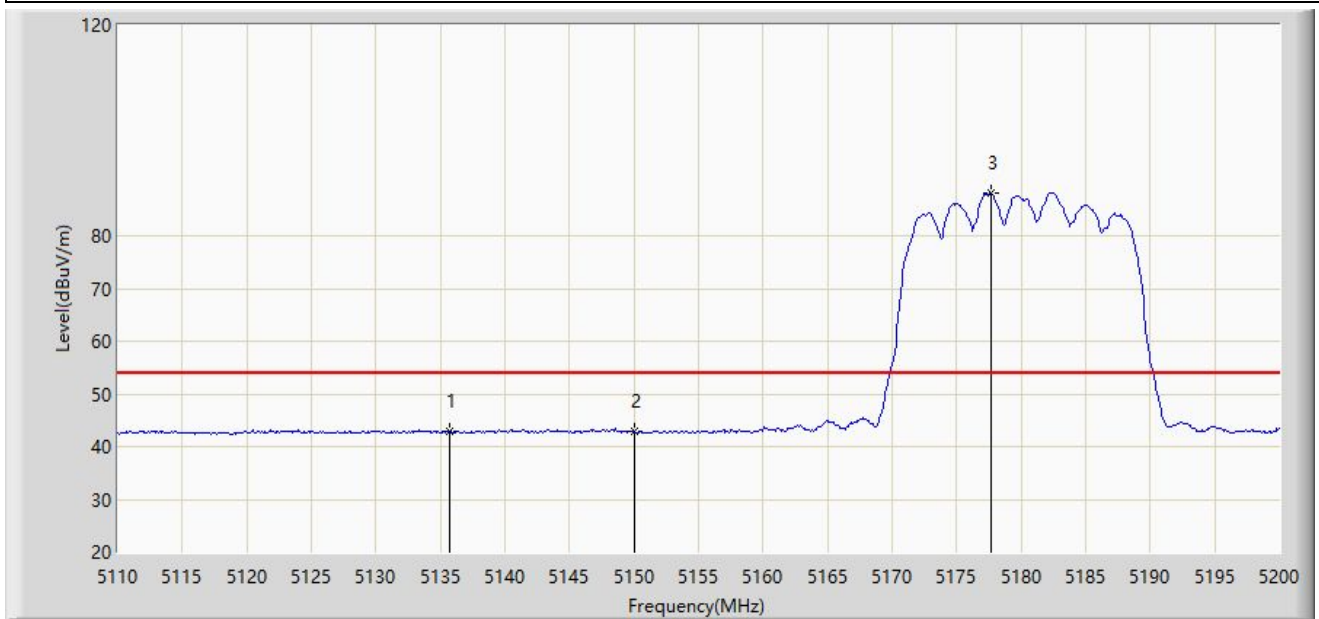
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5141.050	56.183	52.013	-17.817	74.000	4.171	PK
2		5150.000	54.264	50.146	-19.736	74.000	4.118	PK
3		5177.680	96.079	92.256	N/A	N/A	3.823	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5180MHz	



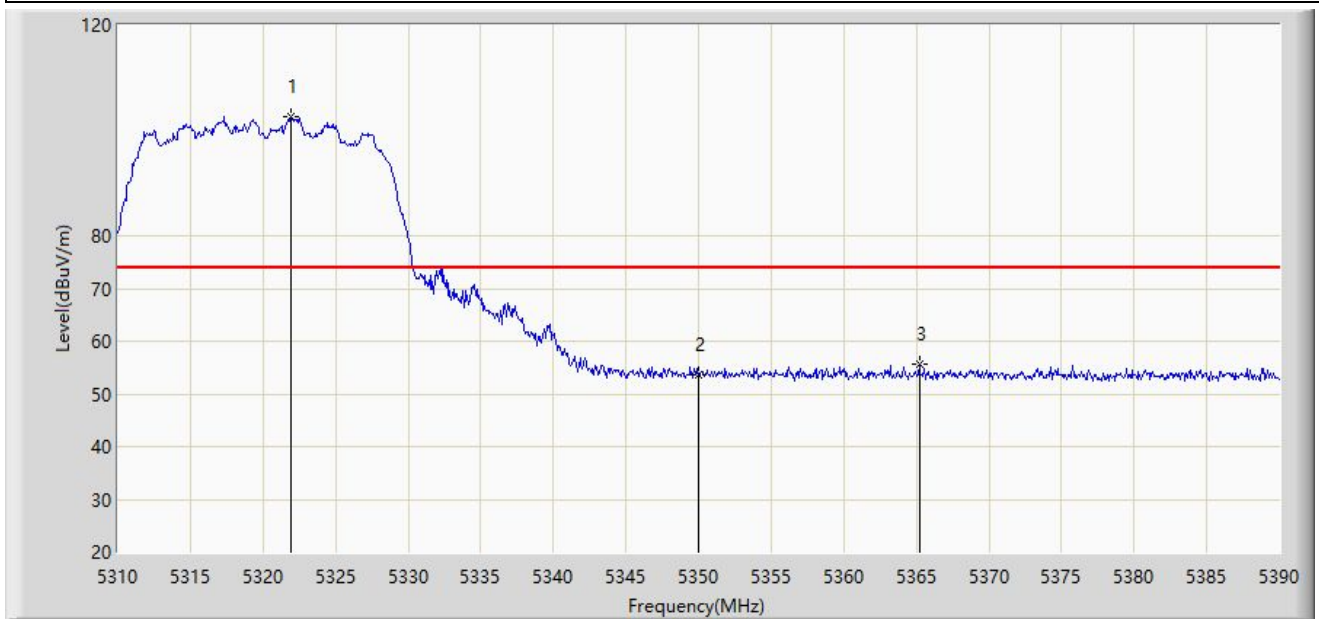
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5135.740	42.995	38.825	-11.005	54.000	4.170	AV
2		5150.000	42.921	38.803	-11.079	54.000	4.118	AV
3		5177.680	88.005	84.182	N/A	N/A	3.823	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



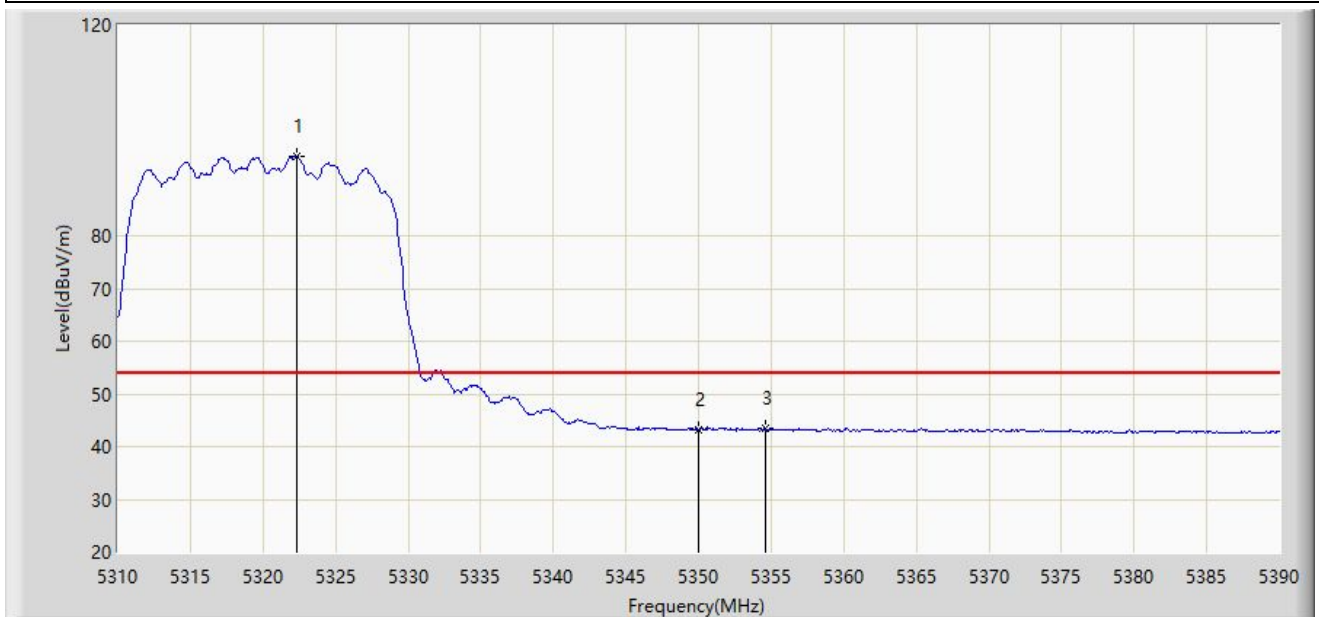
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.920	102.716	99.123	N/A	N/A	3.592	PK
2		5350.000	53.628	49.745	-20.372	74.000	3.884	PK
3	*	5365.200	55.619	51.641	-18.381	74.000	3.979	PK

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: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



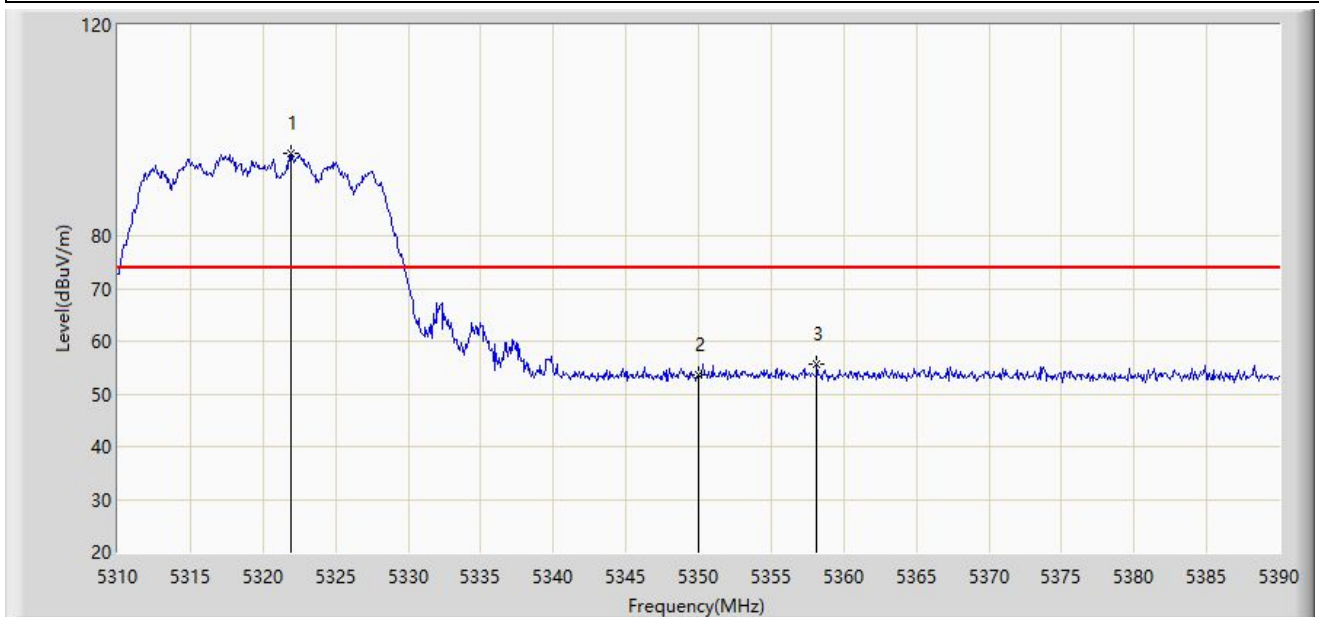
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5322.320	95.183	91.585	N/A	N/A	3.598	AV
2		5350.000	43.327	39.444	-10.673	54.000	3.884	AV
3	*	5354.640	43.605	39.676	-10.395	54.000	3.930	AV

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: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



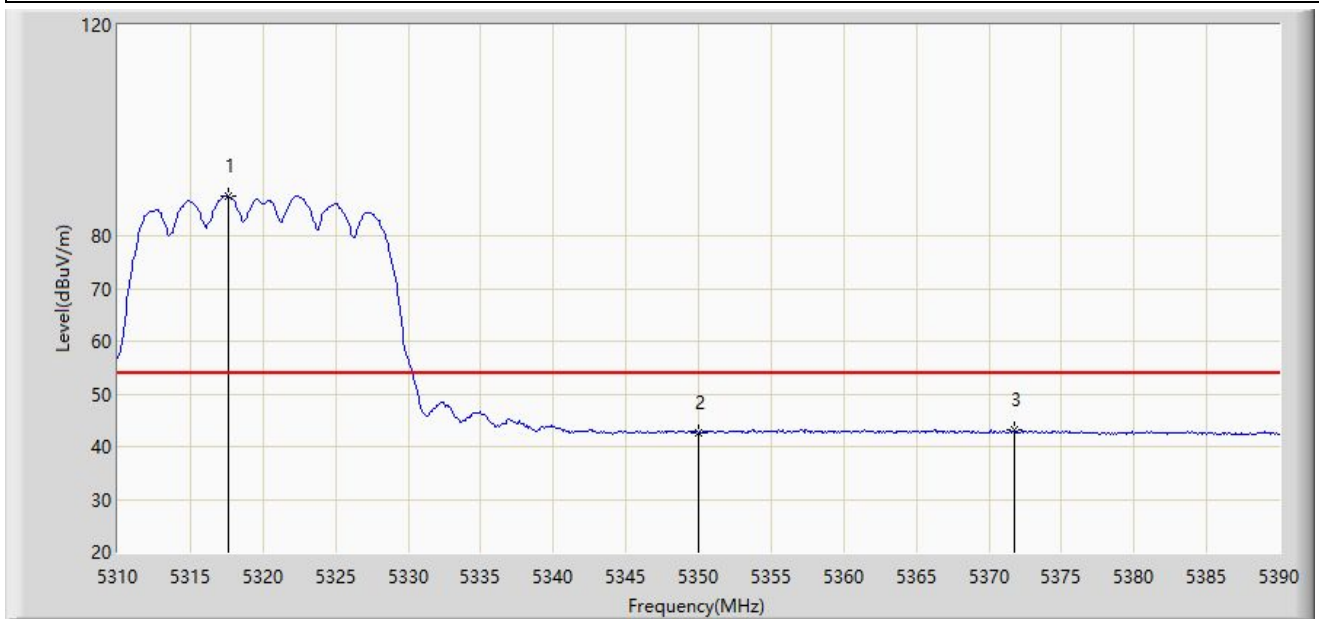
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.920	95.671	92.078	N/A	N/A	3.592	PK
2		5350.000	53.512	49.629	-20.488	74.000	3.884	PK
3	*	5358.160	55.624	51.678	-18.376	74.000	3.945	PK

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: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5320MHz	



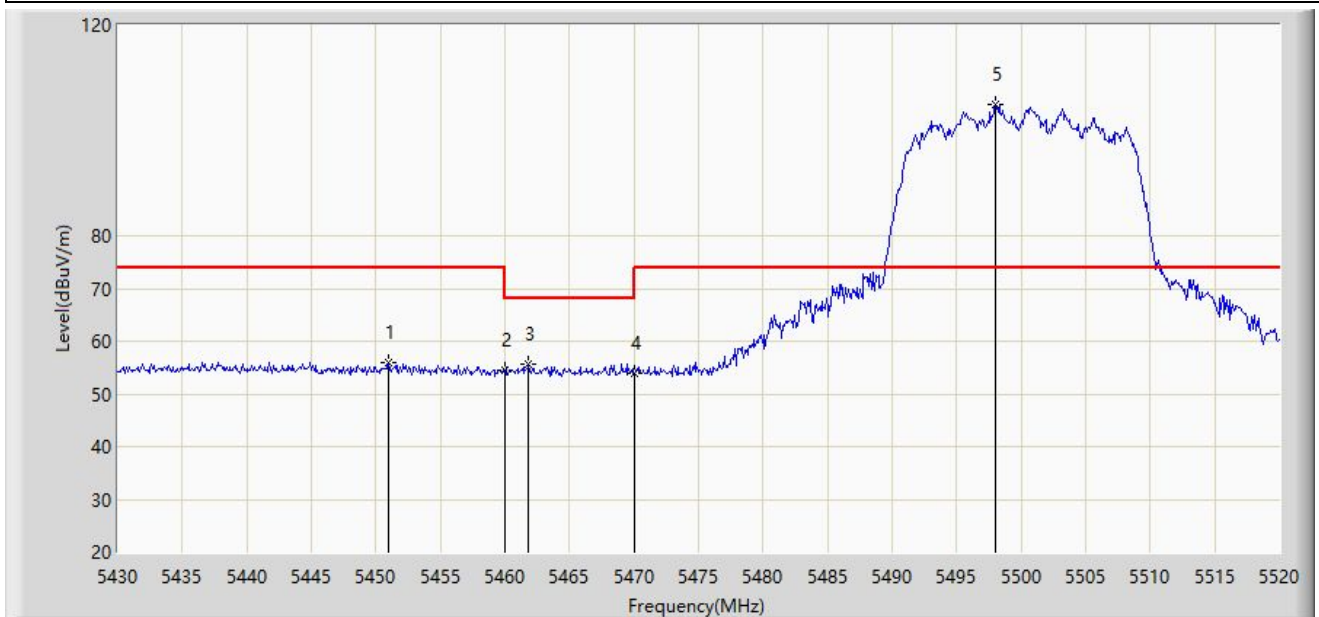
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5317.600	87.589	84.049	N/A	N/A	3.540	AV
2		5350.000	42.723	38.840	-11.277	54.000	3.884	AV
3	*	5371.760	43.141	39.135	-10.859	54.000	4.007	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-23
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
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		5450.970	56.012	51.993	-17.988	74.000	4.020	PK
2		5460.000	54.533	50.629	-19.467	74.000	3.904	PK
3	*	5461.860	55.653	51.758	-12.547	68.200	3.895	PK
4		5470.000	53.810	49.954	-14.390	68.200	3.856	PK
5		5498.040	104.880	100.787	N/A	N/A	4.094	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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



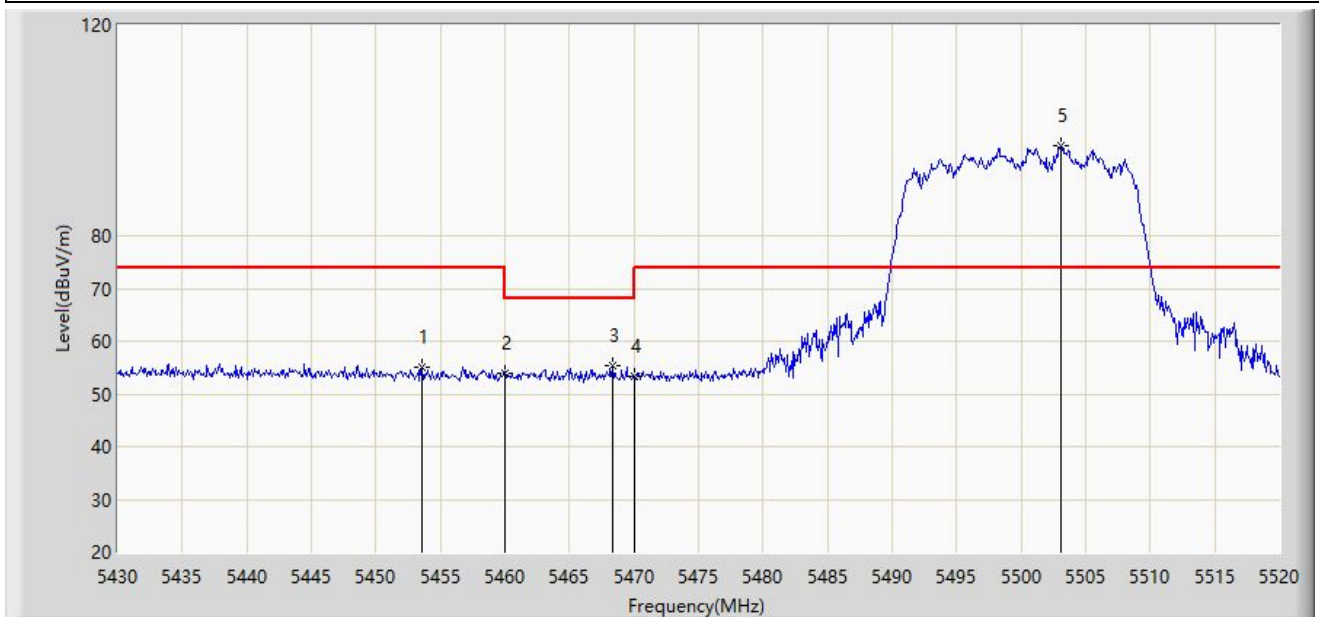
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5460.000	43.108	39.204	-10.892	54.000	3.904	AV
2		5500.560	97.501	93.363	N/A	N/A	4.138	AV

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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



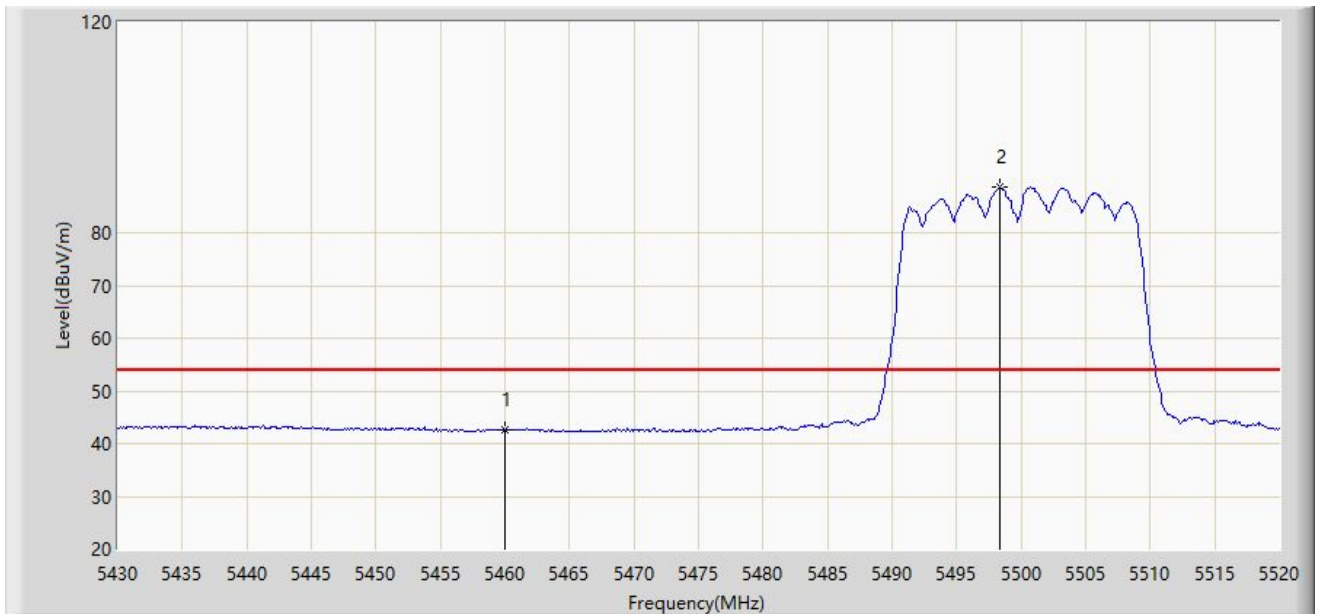
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5453.580	54.939	50.981	-19.061	74.000	3.958	PK
2		5460.000	53.846	49.942	-20.154	74.000	3.904	PK
3	*	5468.340	55.380	51.516	-12.820	68.200	3.864	PK
4		5470.000	53.387	49.531	-14.813	68.200	3.856	PK
5		5503.080	97.108	92.926	N/A	N/A	4.182	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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5500MHz	



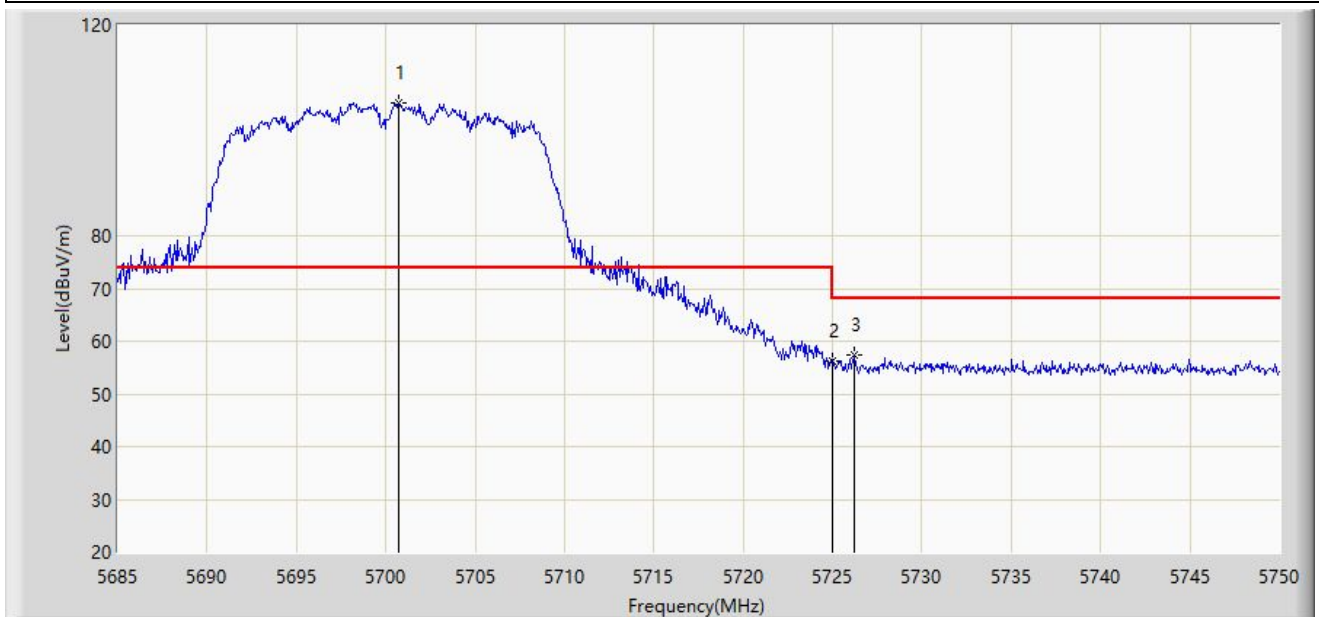
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5460.000	42.566	38.662	-11.434	54.000	3.904	AV
2		5498.400	88.596	84.496	N/A	N/A	4.099	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5700MHz	



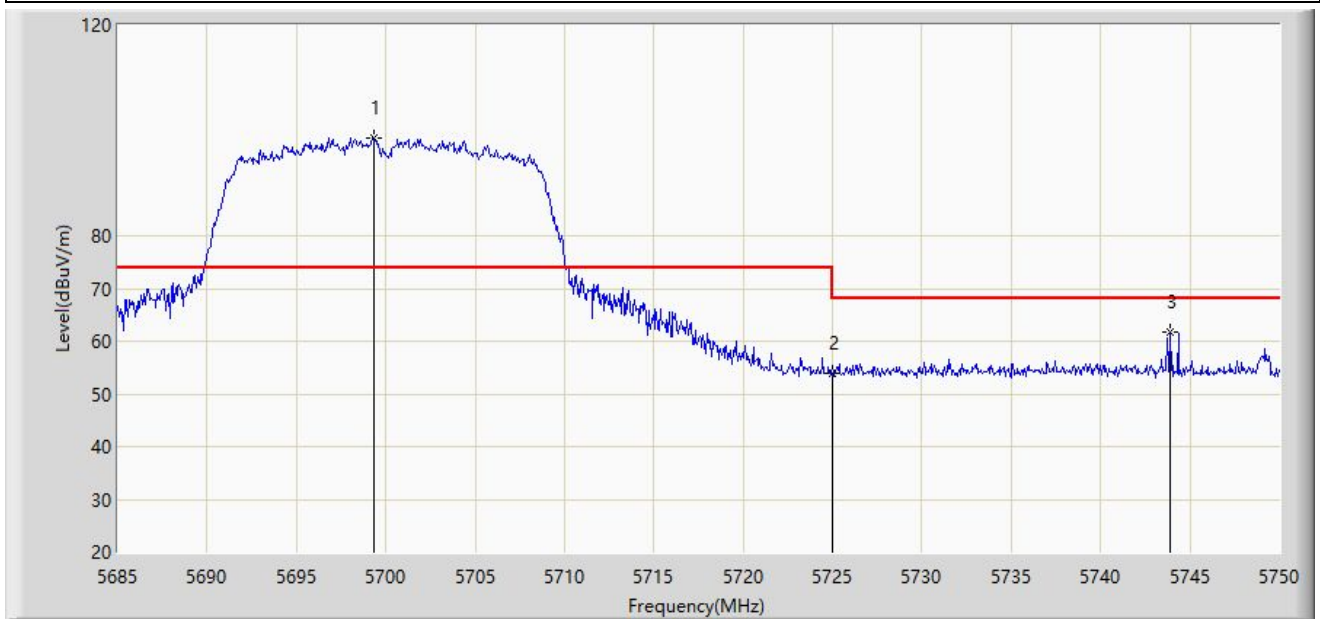
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5700.730	105.256	100.069	N/A	N/A	5.187	PK
2		5725.000	56.106	50.585	-12.094	68.200	5.521	PK
3	*	5726.210	57.268	51.730	-10.932	68.200	5.538	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5700MHz	



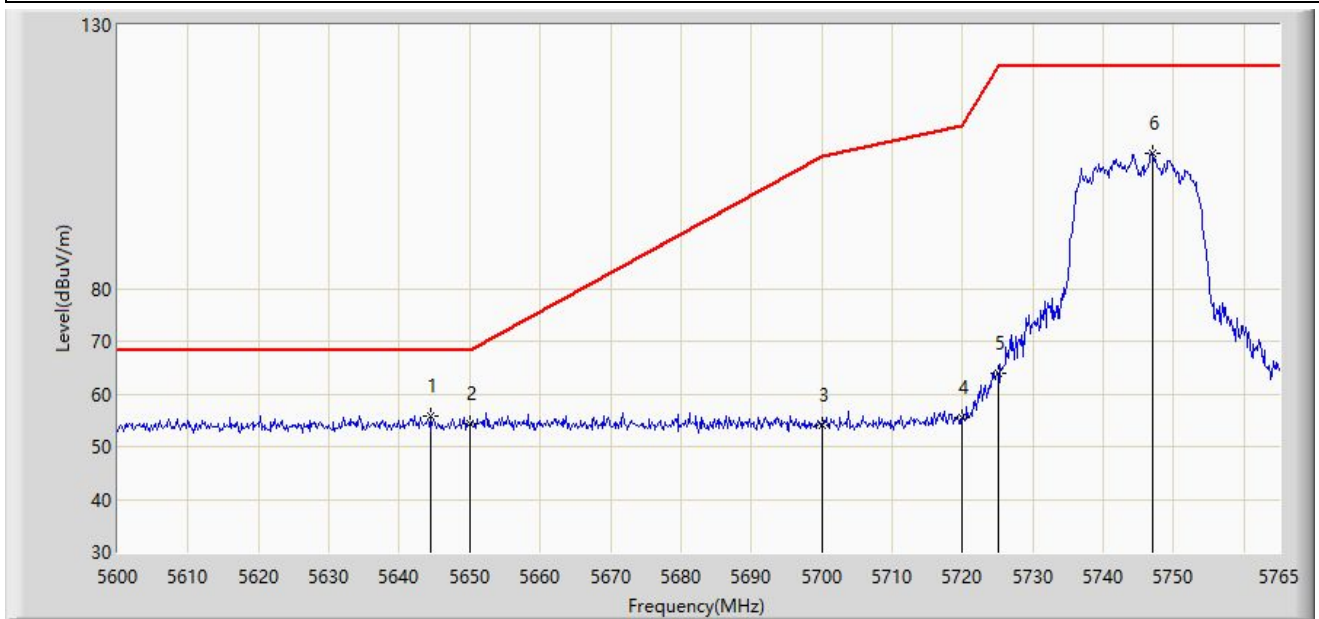
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5699.365	98.601	93.426	N/A	N/A	5.175	PK
2		5725.000	53.818	48.297	-14.382	68.200	5.521	PK
3	*	5743.890	61.762	56.126	-6.438	68.200	5.636	PK

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: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



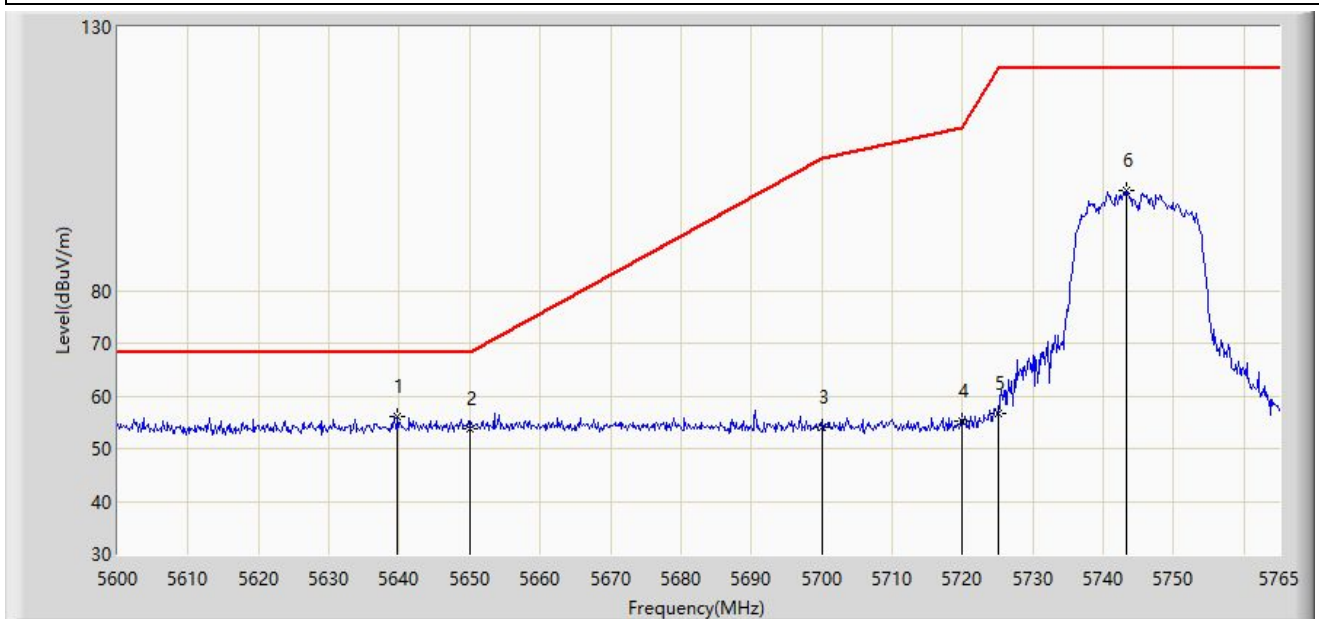
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5644.550	55.808	50.648	-12.392	68.200	5.161	PK
2		5650.000	54.456	49.234	-13.744	68.200	5.222	PK
3		5700.000	54.077	48.896	-51.123	105.200	5.181	PK
4		5720.000	55.447	50.008	-55.353	110.800	5.439	PK
5		5725.000	63.907	58.386	-58.293	122.200	5.521	PK
6		5747.015	105.714	100.122	N/A	N/A	5.592	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: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5745MHz	



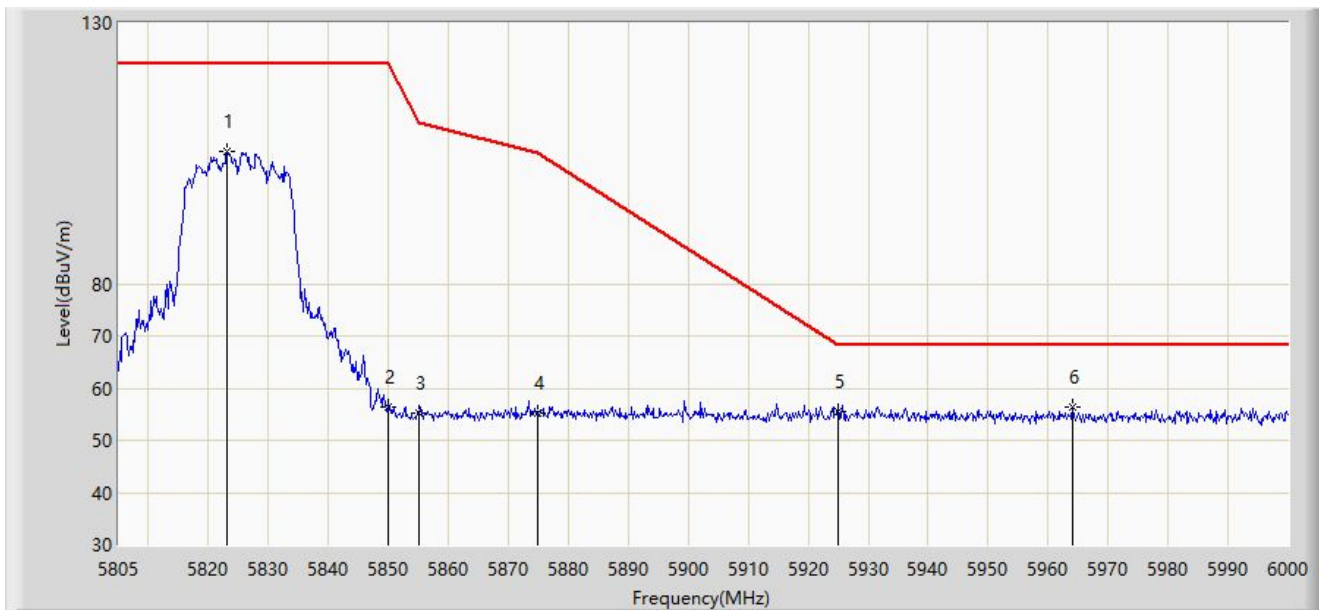
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5639.765	55.997	50.904	-12.203	68.200	5.093	PK
2		5650.000	53.675	48.453	-14.525	68.200	5.222	PK
3		5700.000	53.975	48.794	-51.225	105.200	5.181	PK
4		5720.000	55.186	49.747	-55.614	110.800	5.439	PK
5		5725.000	56.564	51.043	-65.636	122.200	5.521	PK
6		5743.220	98.875	93.235	N/A	N/A	5.639	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: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



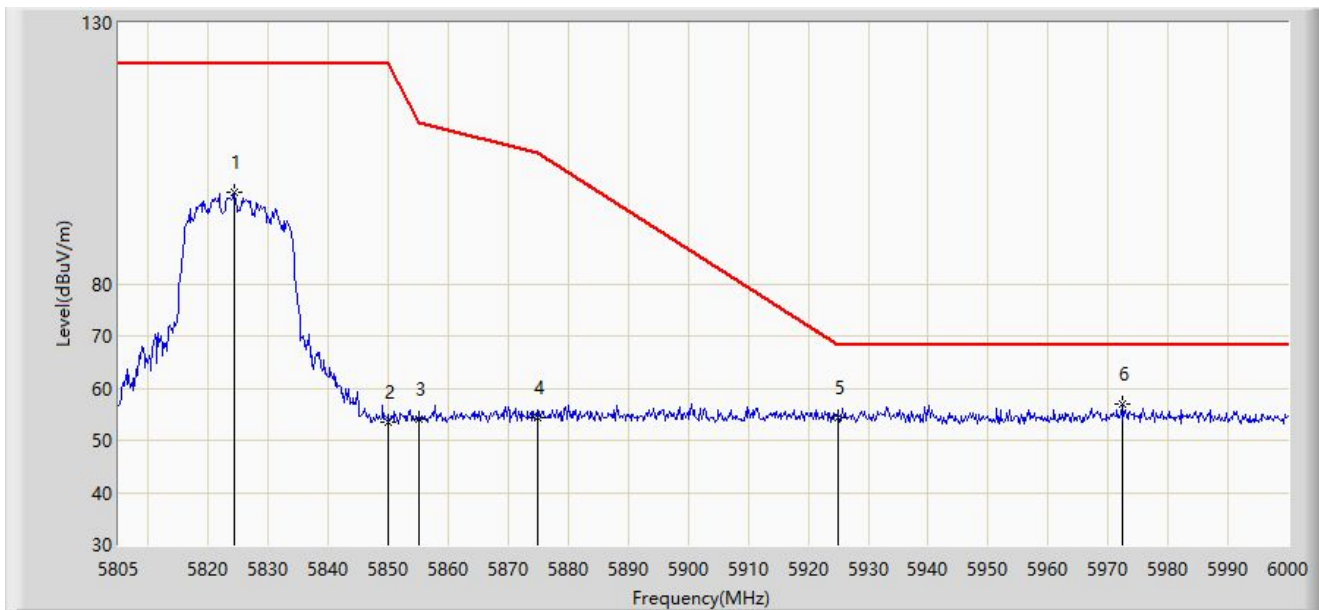
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5823.135	105.497	99.881	N/A	N/A	5.615	PK
2		5850.000	56.471	50.751	-65.729	122.200	5.720	PK
3		5855.000	55.113	49.311	-55.687	110.800	5.802	PK
4		5875.000	55.191	49.242	-50.009	105.200	5.949	PK
5		5925.000	55.423	49.363	-12.777	68.200	6.060	PK
6	*	5964.120	56.270	50.270	-11.930	68.200	5.999	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT20 at 5825MHz	



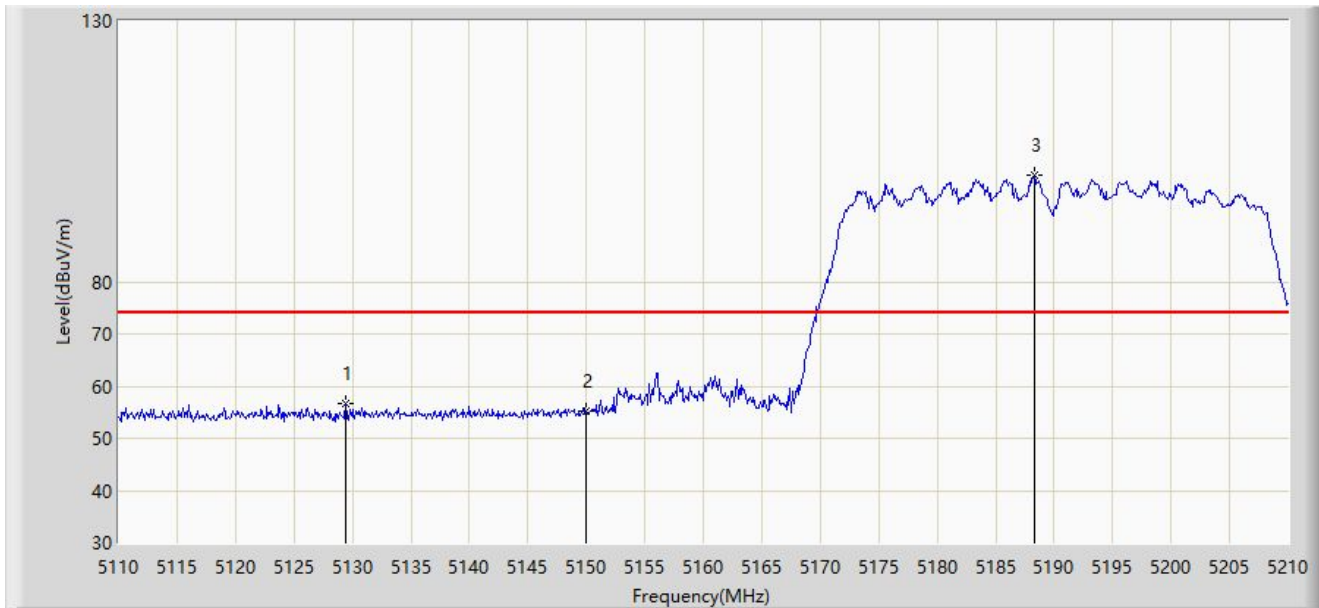
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5824.305	97.538	91.935	N/A	N/A	5.604	PK
2		5850.000	53.607	47.887	-68.593	122.200	5.720	PK
3		5855.000	54.127	48.325	-56.673	110.800	5.802	PK
4		5875.000	54.391	48.442	-50.809	105.200	5.949	PK
5		5925.000	54.411	48.351	-13.789	68.200	6.060	PK
6	*	5972.310	56.991	50.920	-11.209	68.200	6.071	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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5190MHz	



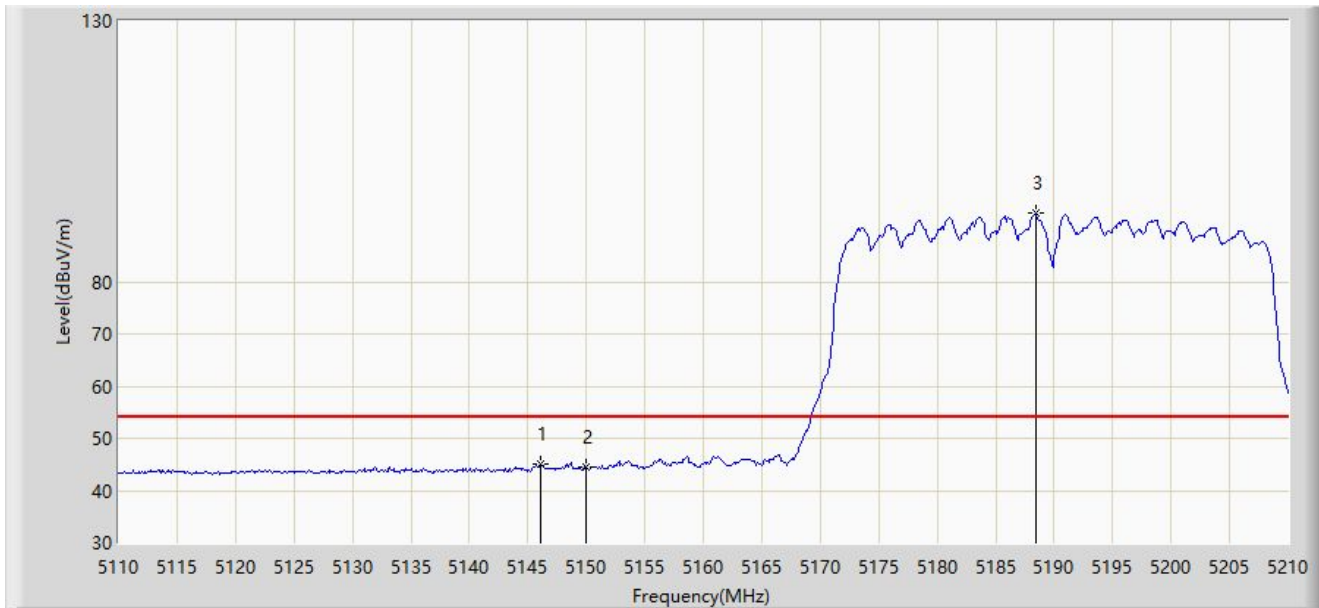
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5129.400	56.552	52.389	-17.448	74.000	4.163	PK
2		5150.000	55.190	51.072	-18.810	74.000	4.118	PK
3		5188.300	100.379	96.534	N/A	N/A	3.845	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5190MHz	



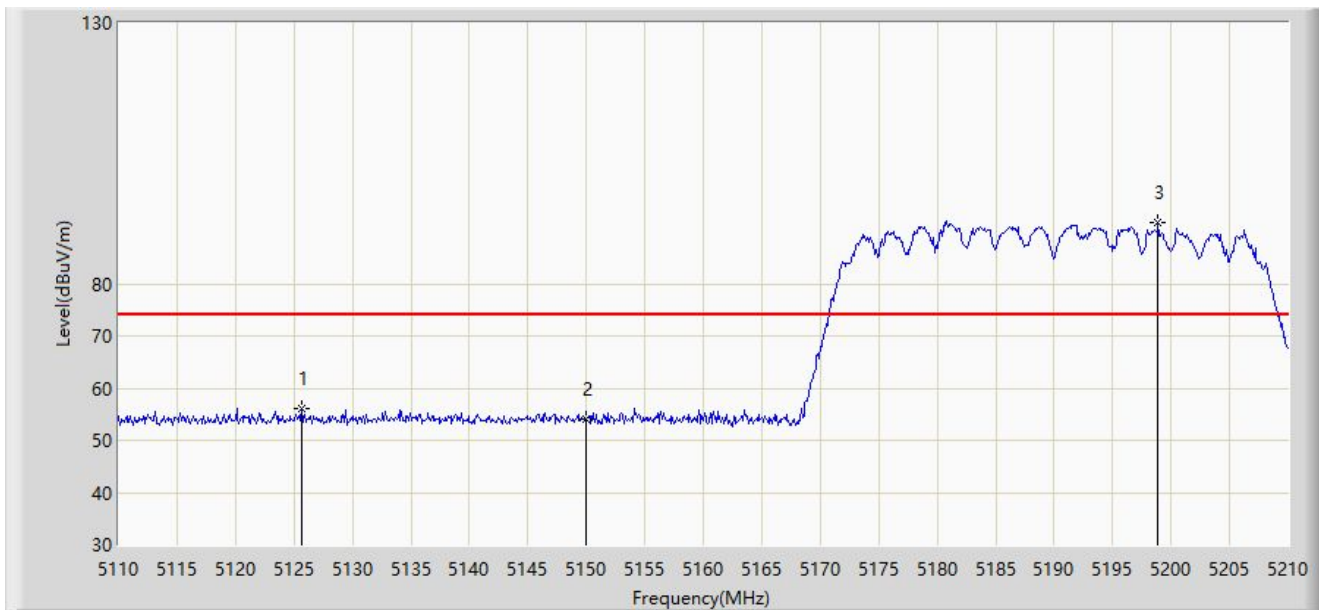
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5146.100	44.958	40.787	-9.042	54.000	4.171	AV
2		5150.000	44.386	40.268	-9.614	54.000	4.118	AV
3		5188.500	93.103	89.258	N/A	N/A	3.845	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5190MHz	



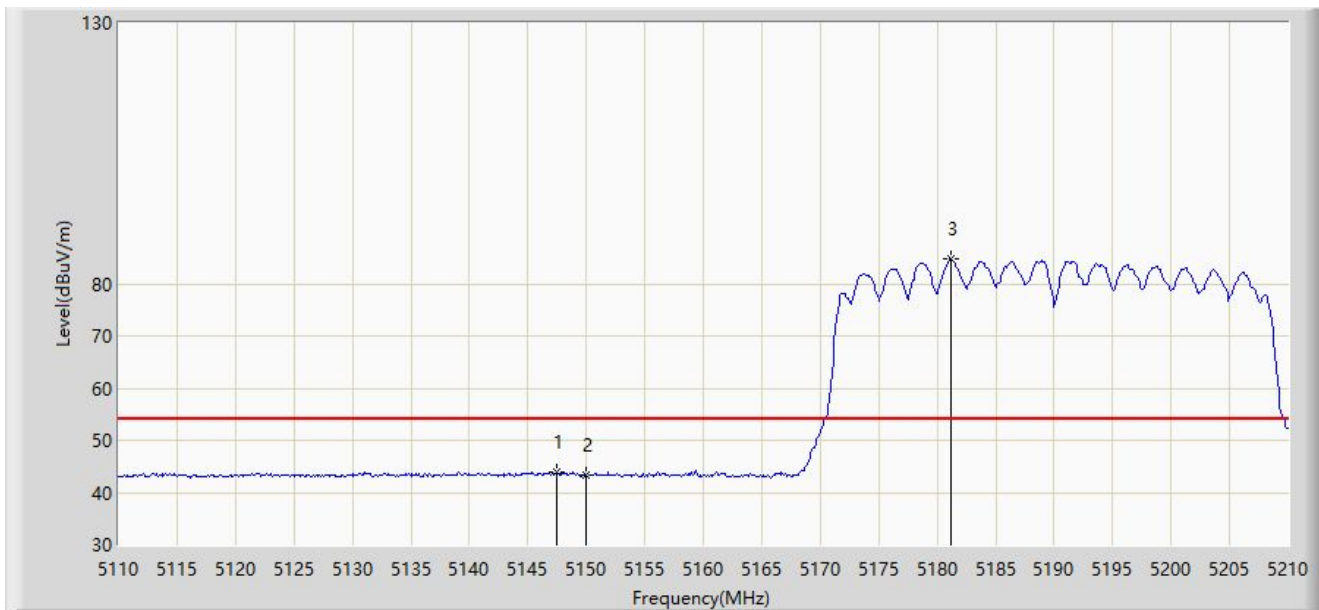
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5125.700	56.150	52.013	-17.850	74.000	4.136	PK
2		5150.000	54.003	49.885	-19.997	74.000	4.118	PK
3		5198.900	91.703	87.842	N/A	N/A	3.861	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5190MHz	



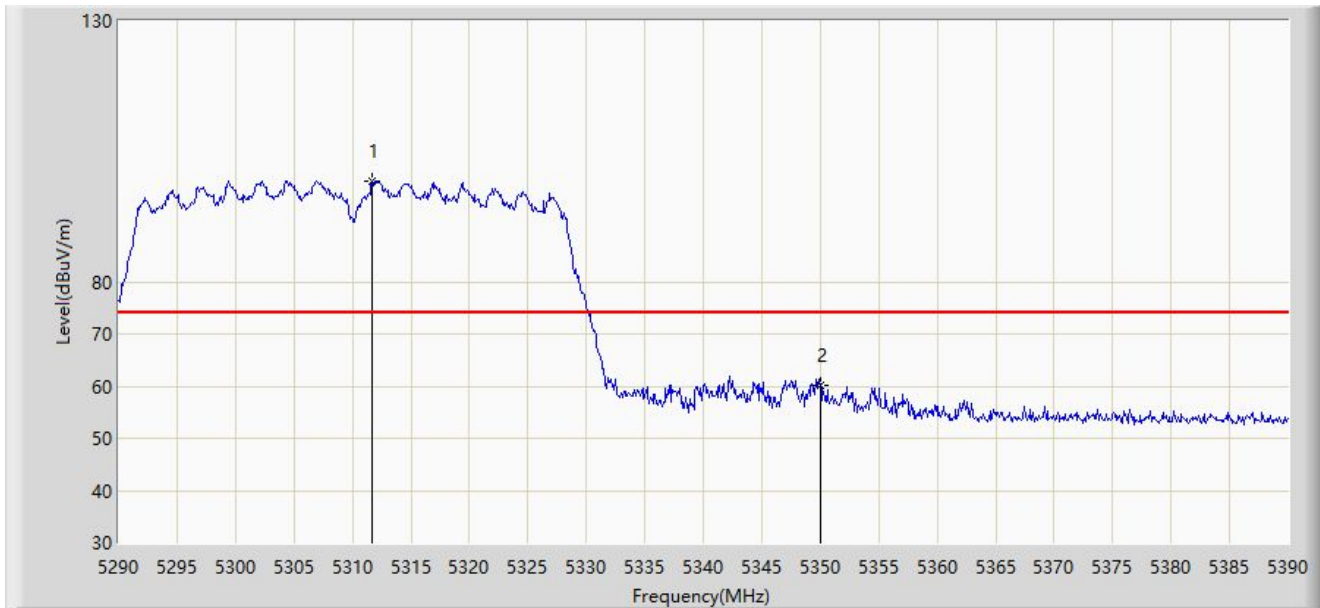
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5147.500	43.888	39.717	-10.112	54.000	4.171	AV
2		5150.000	43.412	39.294	-10.588	54.000	4.118	AV
3		5181.200	84.726	80.901	N/A	N/A	3.824	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5310MHz	



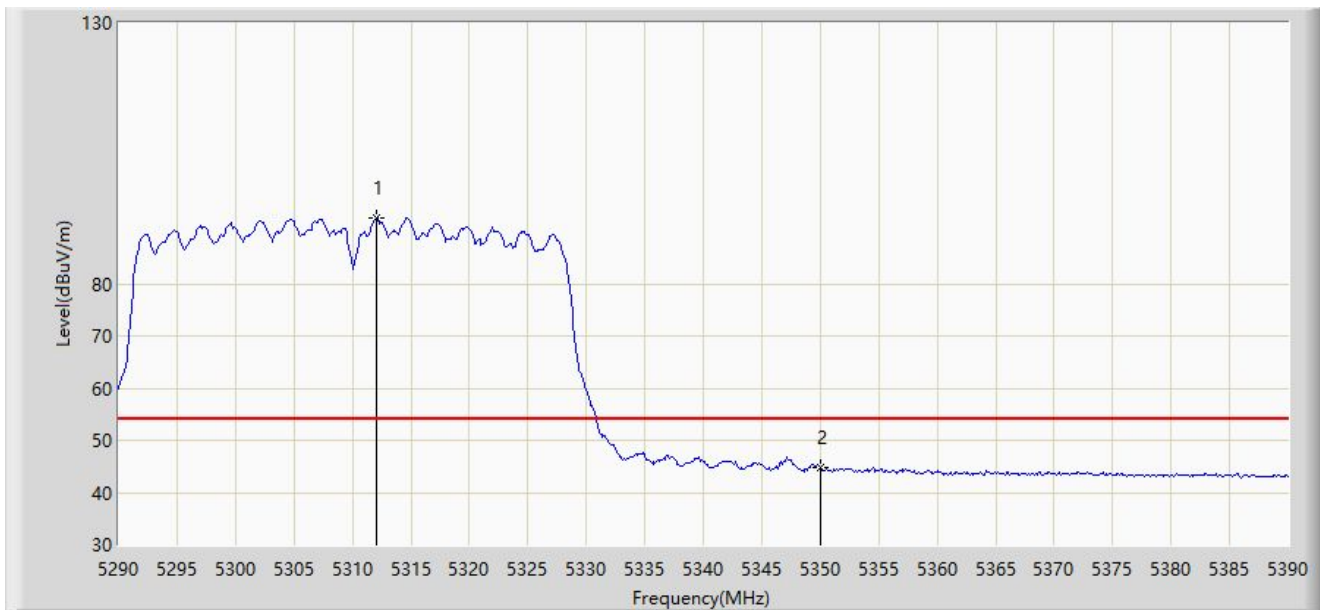
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5311.700	99.231	95.656	N/A	N/A	3.576	PK
2	*	5350.000	60.240	56.357	-13.760	74.000	3.884	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5310MHz	



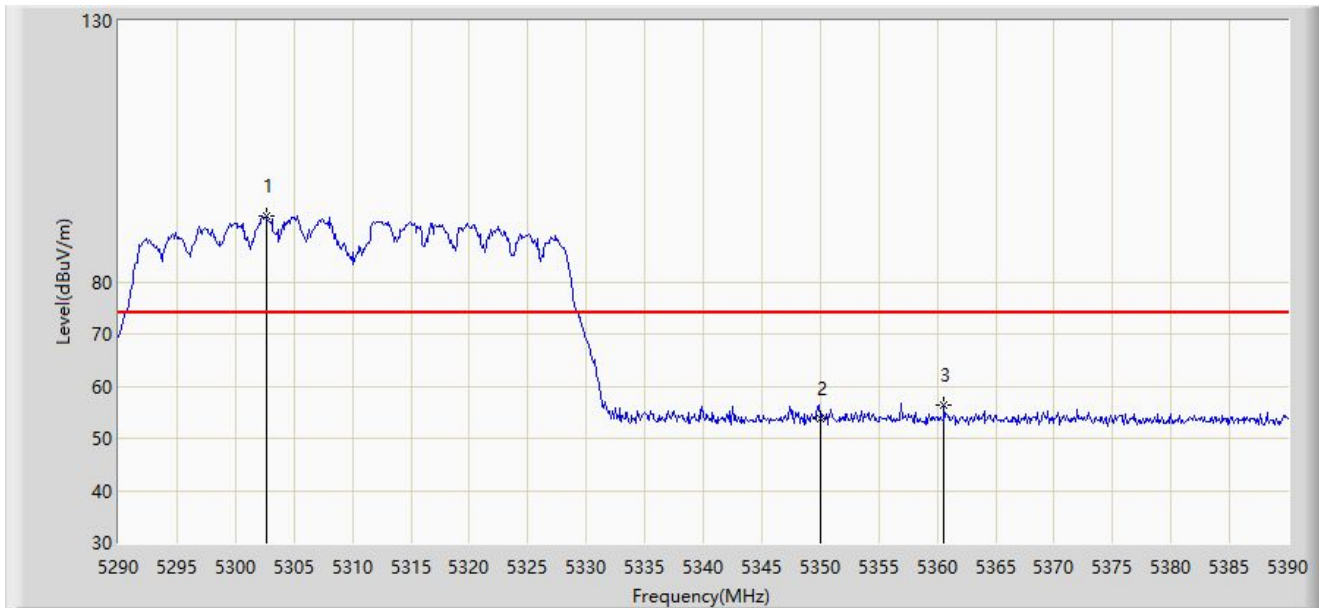
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5312.100	92.641	89.069	N/A	N/A	3.572	AV
2	*	5350.000	44.804	40.921	-9.196	54.000	3.884	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5310MHz	



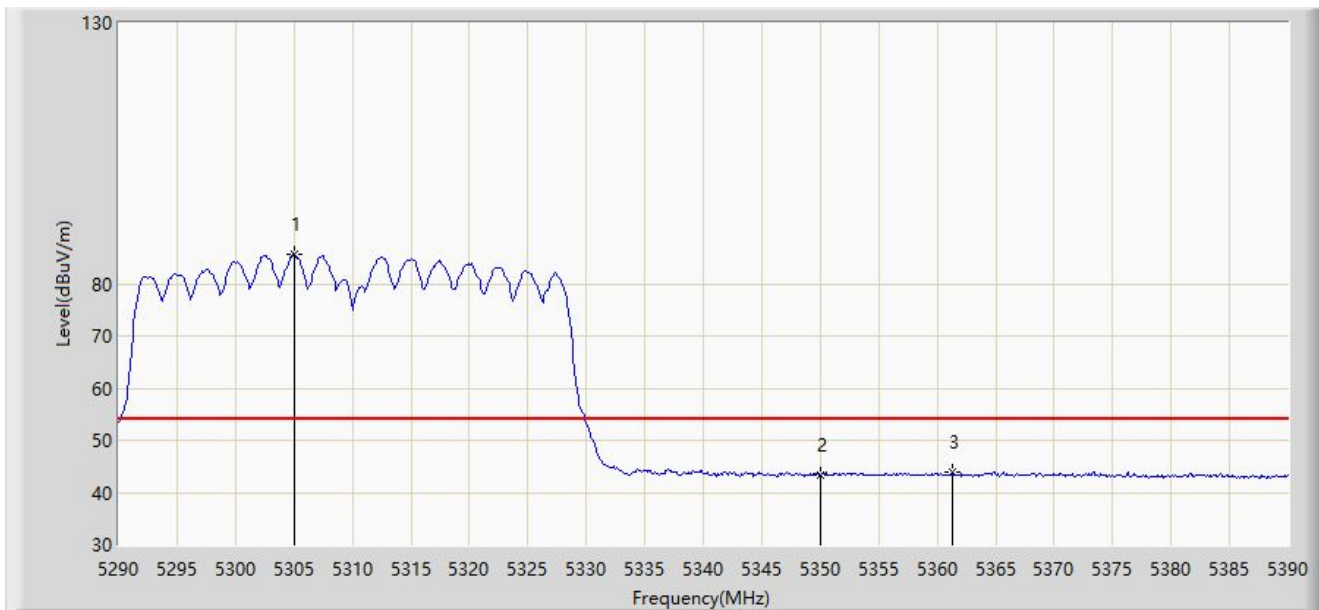
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5302.600	92.696	89.042	N/A	N/A	3.654	PK
2		5350.000	53.909	50.026	-20.091	74.000	3.884	PK
3	*	5360.600	56.472	52.515	-17.528	74.000	3.957	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5310MHz	



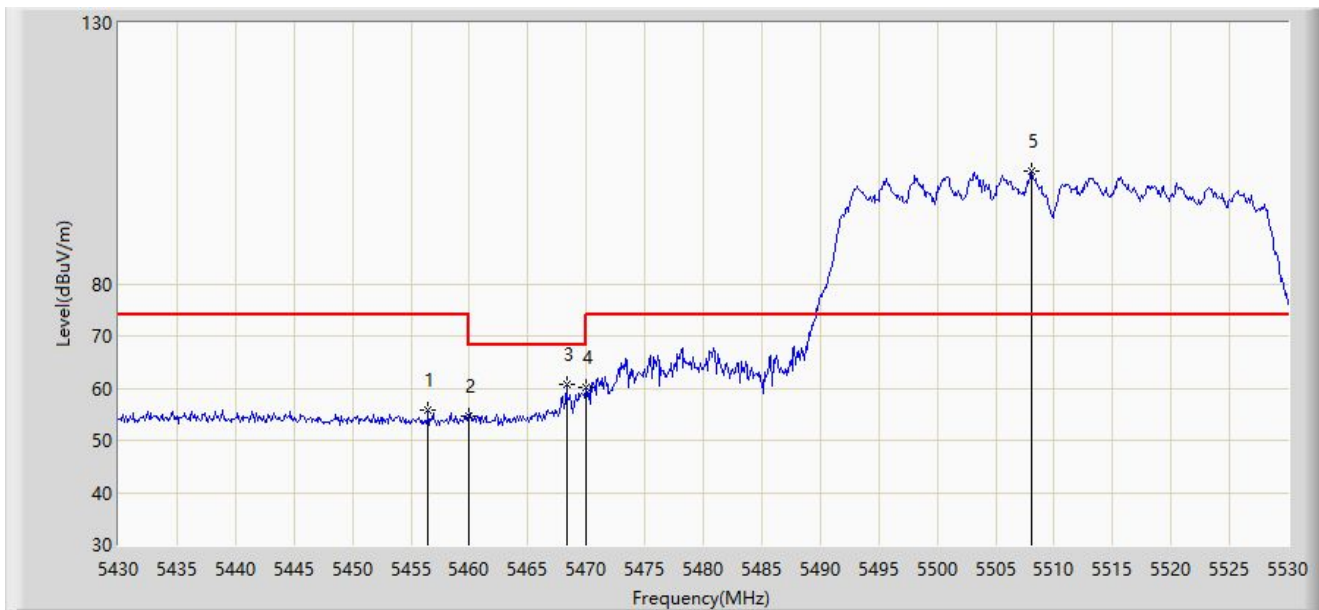
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5305.100	85.547	81.915	N/A	N/A	3.632	AV
2		5350.000	43.471	39.588	-10.529	54.000	3.884	AV
3	*	5361.300	43.889	39.929	-10.111	54.000	3.960	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5510MHz	



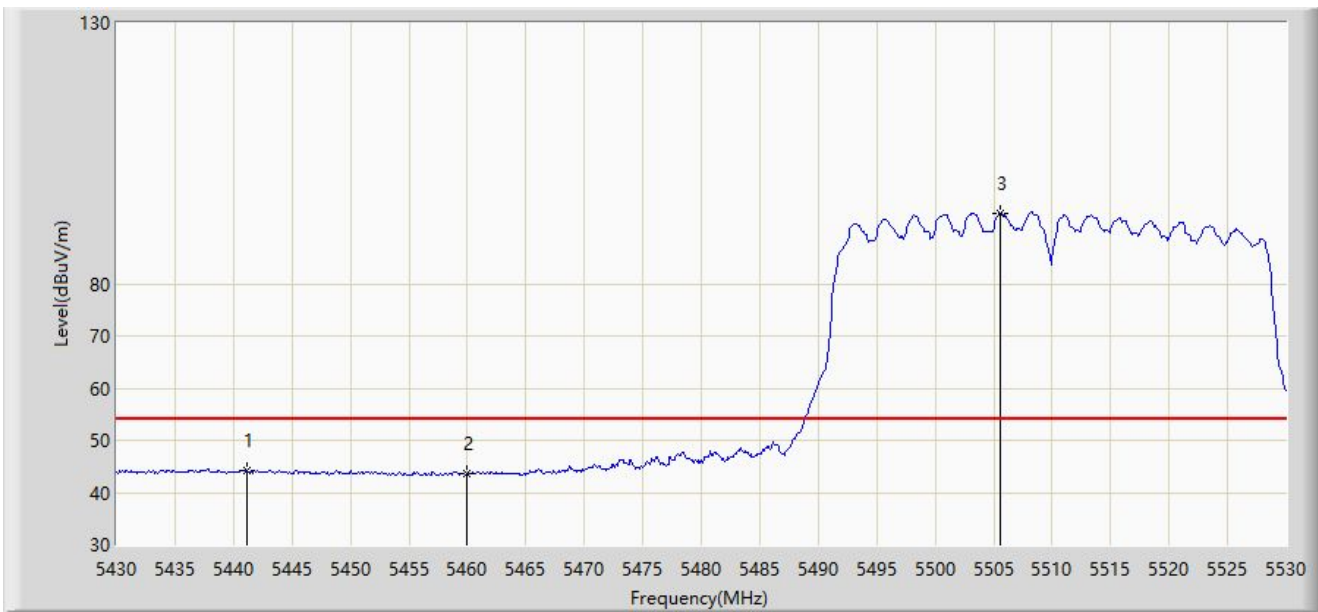
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		5456.500	55.758	51.835	-18.242	74.000	3.923	PK
2		5460.000	54.512	50.608	-19.488	74.000	3.904	PK
3	*	5468.300	60.790	56.926	-7.410	68.200	3.864	PK
4		5470.000	60.194	56.338	-8.006	68.200	3.856	PK
5		5508.100	101.609	97.421	N/A	N/A	4.188	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5510MHz	



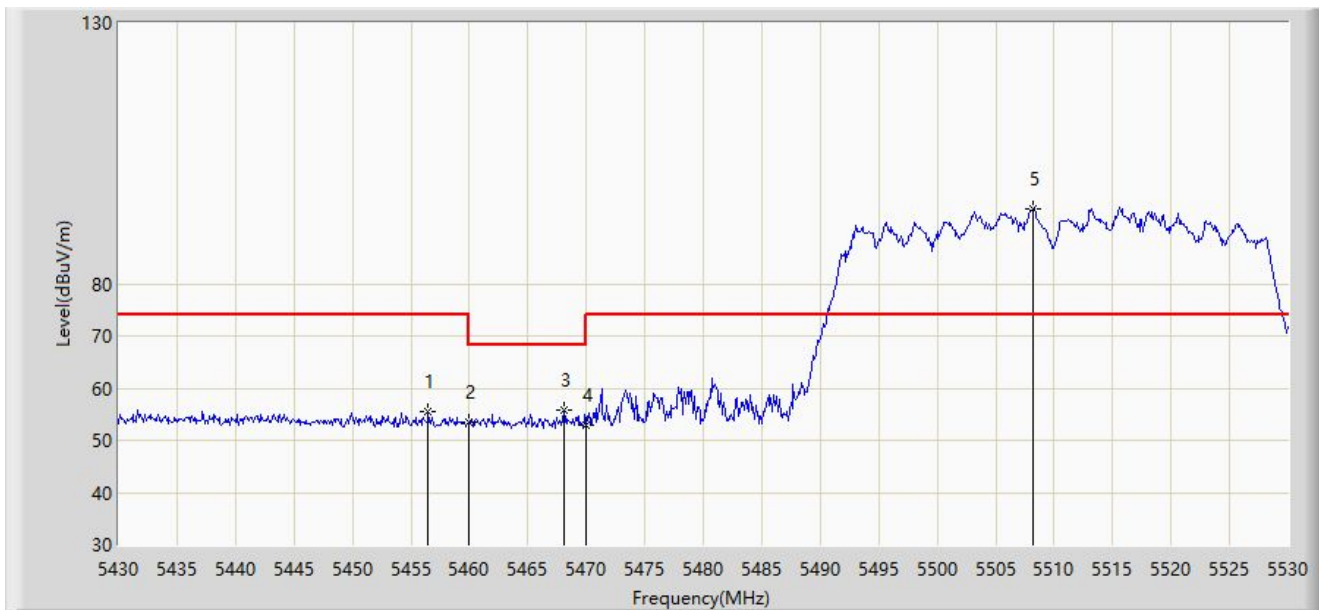
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5441.200	44.177	39.928	-9.823	54.000	4.249	AV
2		5460.000	43.703	39.799	-10.297	54.000	3.904	AV
3		5505.600	93.587	89.377	N/A	N/A	4.210	AV

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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5510MHz	



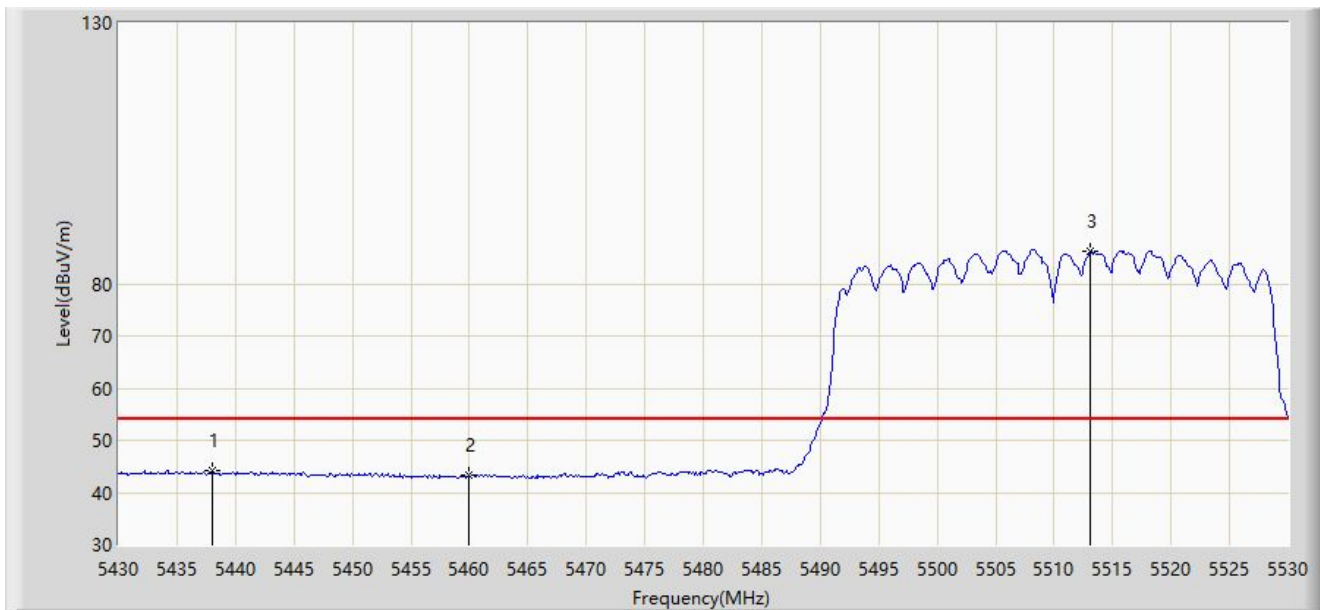
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5456.500	55.397	51.474	-18.603	74.000	3.923	PK
2		5460.000	53.602	49.698	-20.398	74.000	3.904	PK
3	*	5468.100	55.833	51.968	-12.367	68.200	3.865	PK
4		5470.000	52.919	49.063	-15.281	68.200	3.856	PK
5		5508.200	94.491	90.304	N/A	N/A	4.187	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: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5510MHz	



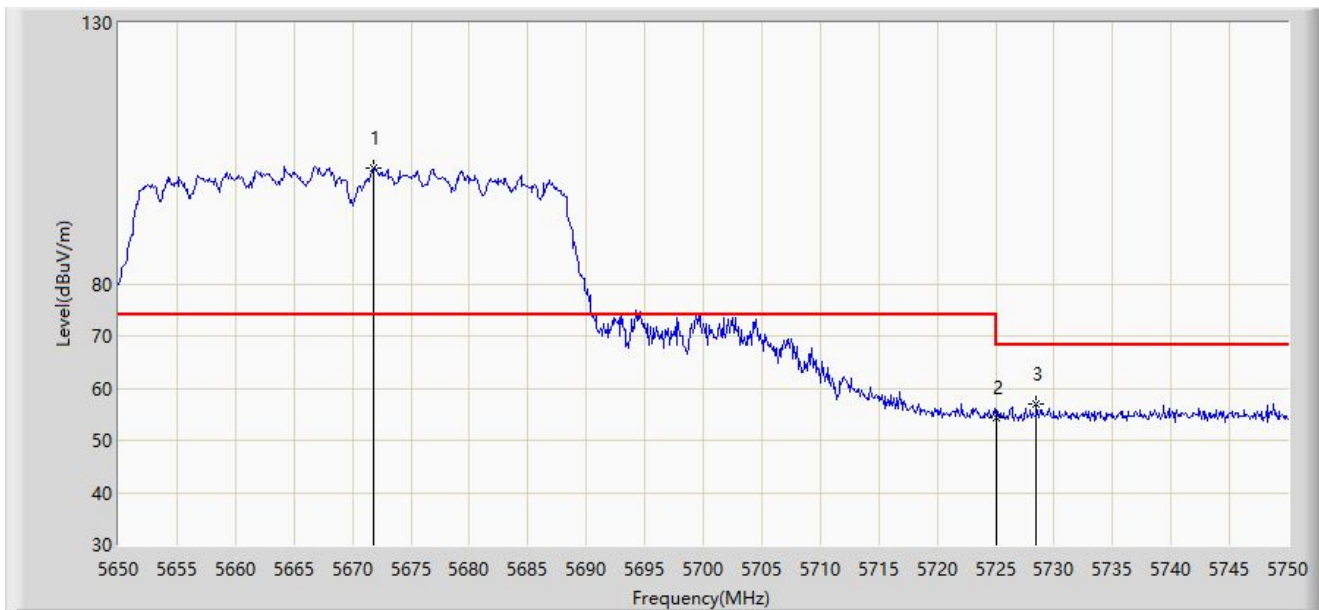
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5438.000	44.167	39.844	-9.833	54.000	4.322	AV
2		5460.000	43.346	39.442	-10.654	54.000	3.904	AV
3		5513.100	86.099	81.958	N/A	N/A	4.141	AV

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5670MHz	



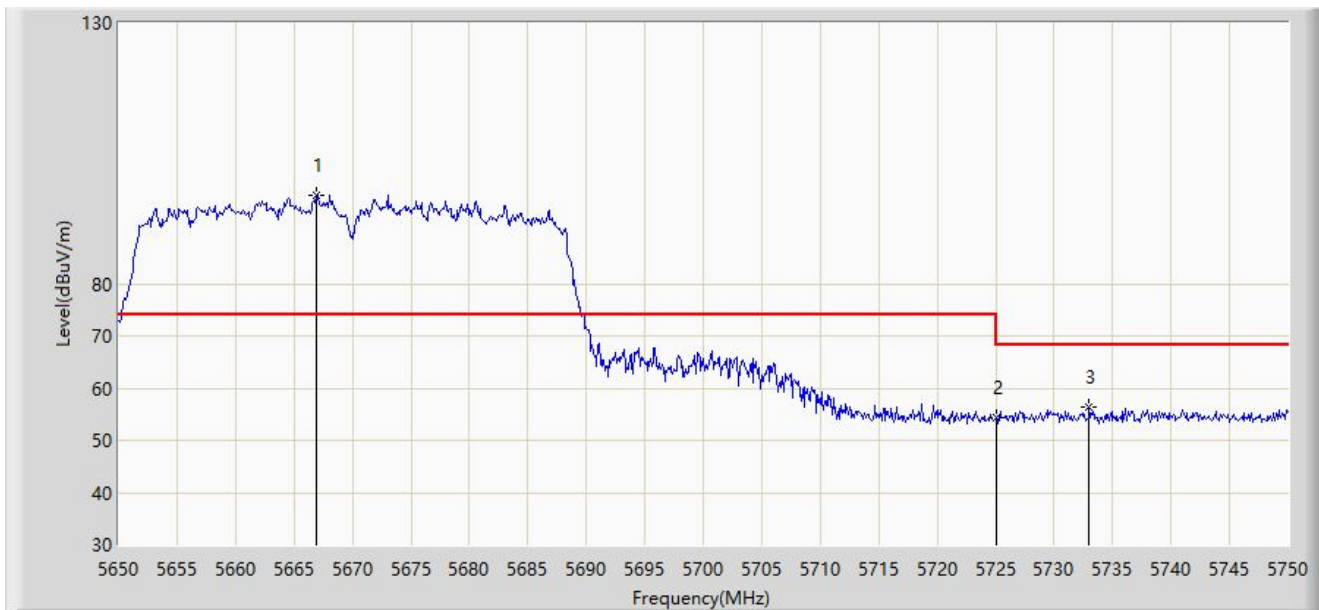
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5671.800	102.266	97.027	N/A	N/A	5.239	PK
2		5725.000	54.426	48.905	-13.774	68.200	5.521	PK
3	*	5728.500	56.986	51.434	-11.214	68.200	5.551	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5670MHz	



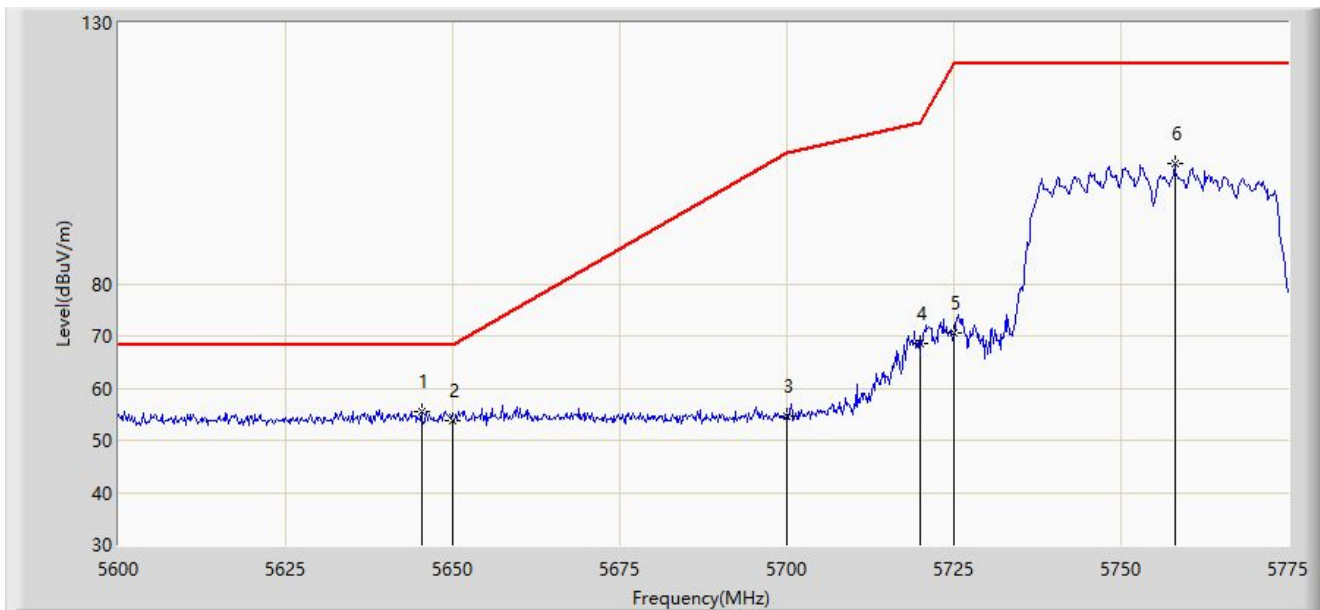
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5666.900	96.990	91.718	N/A	N/A	5.272	PK
2		5725.000	54.204	48.683	-13.996	68.200	5.521	PK
3	*	5733.000	56.258	50.678	-11.942	68.200	5.579	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5755MHz	



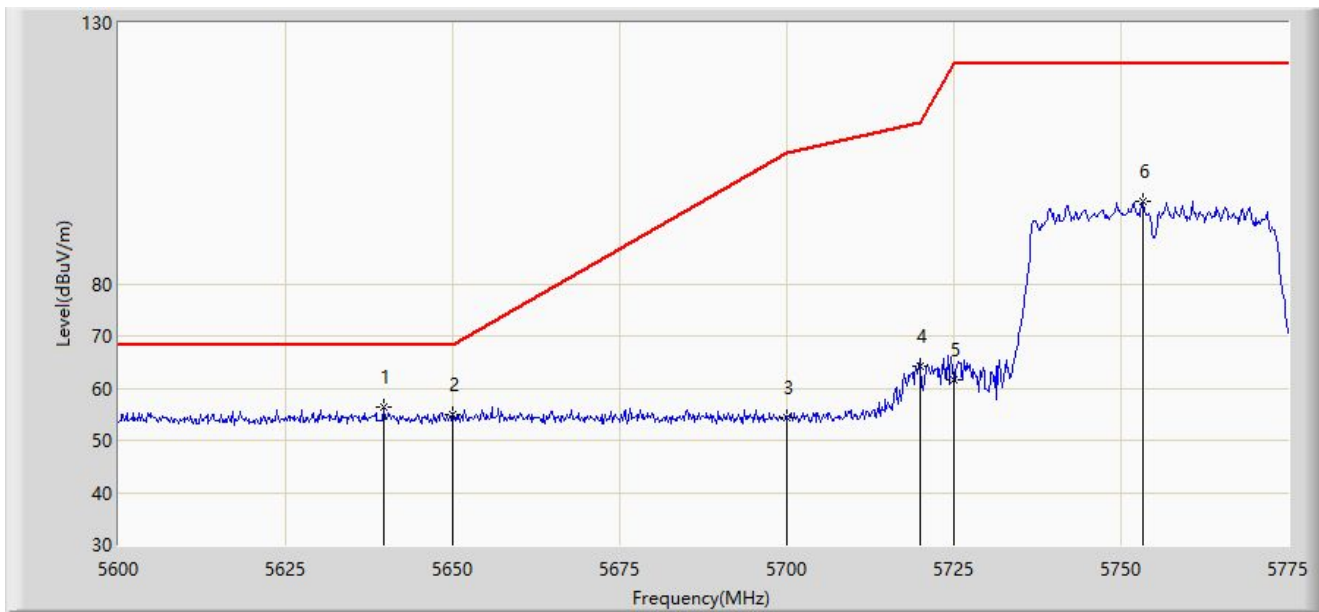
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	5645.325	55.513	50.344	-12.687	68.200	5.169	PK
2		5650.000	53.910	48.688	-14.290	68.200	5.222	PK
3		5700.000	54.721	49.540	-50.479	105.200	5.181	PK
4		5720.000	68.456	63.017	-42.344	110.800	5.439	PK
5		5725.000	70.600	65.079	-51.600	122.200	5.521	PK
6		5758.025	102.914	97.493	N/A	N/A	5.422	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5755MHz	



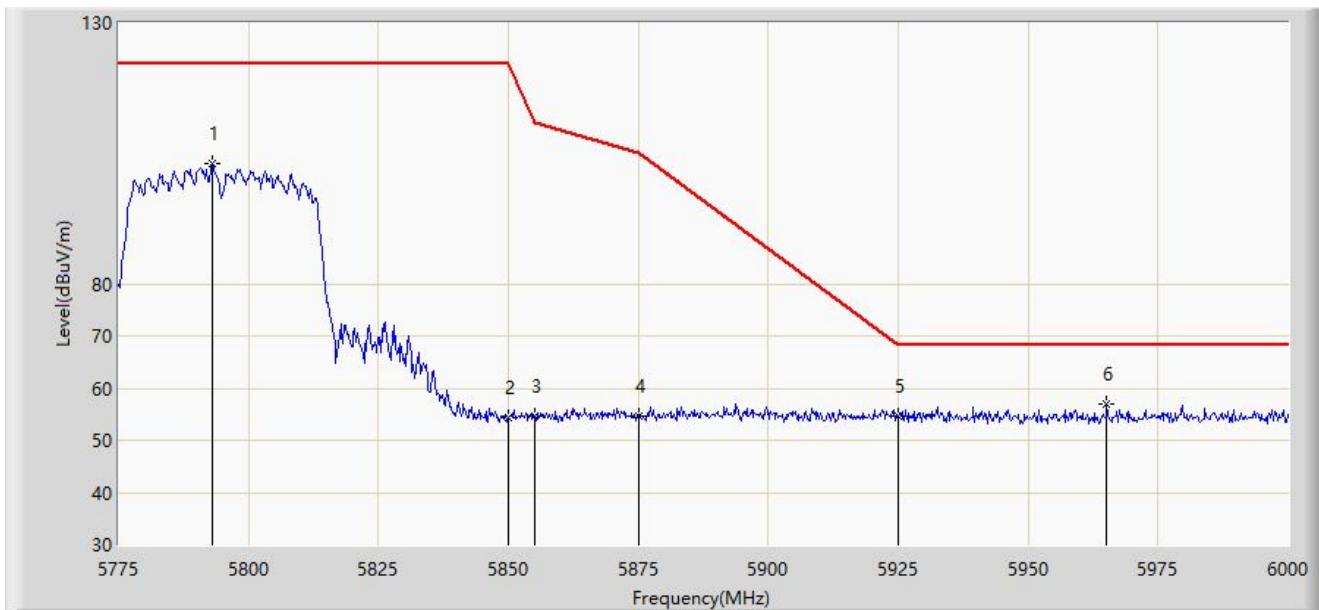
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5639.725	56.382	51.290	-11.818	68.200	5.092	PK
2		5650.000	54.950	49.728	-13.250	68.200	5.222	PK
3		5700.000	54.333	49.152	-50.867	105.200	5.181	PK
4		5720.000	64.284	58.845	-46.516	110.800	5.439	PK
5		5725.000	61.722	56.201	-60.478	122.200	5.521	PK
6		5753.300	95.916	90.421	N/A	N/A	5.494	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: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5795MHz	



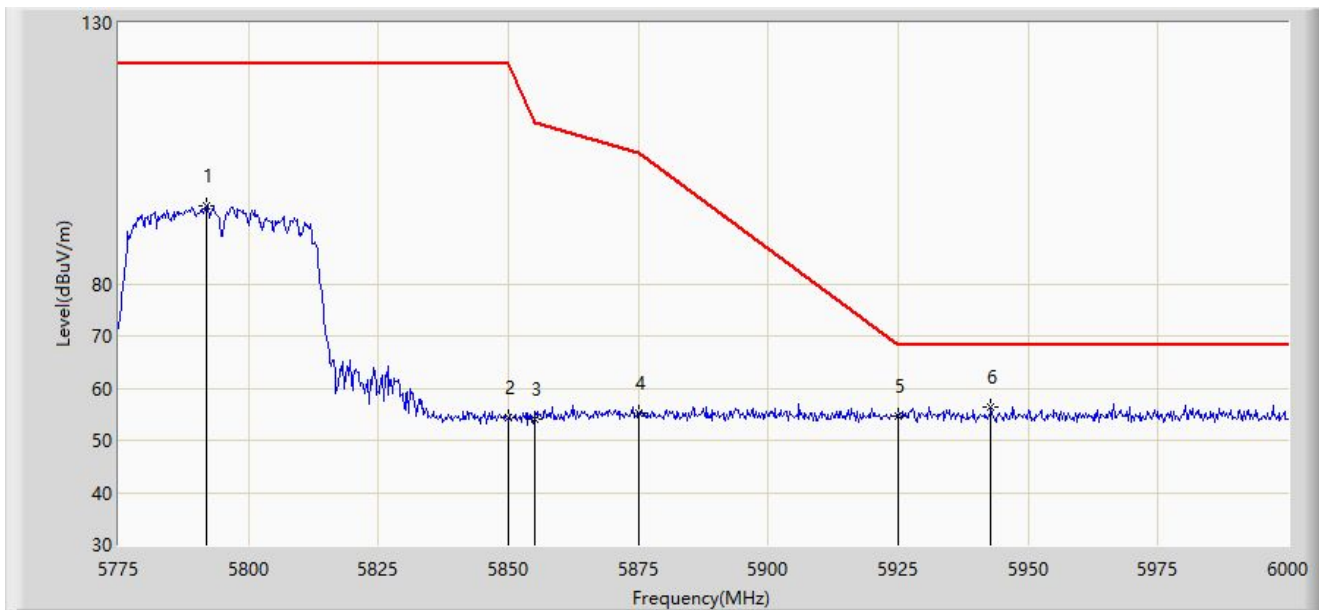
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5793.000	103.141	97.252	N/A	N/A	5.888	PK
2		5850.000	54.213	48.493	-67.987	122.200	5.720	PK
3		5855.000	54.506	48.704	-56.294	110.800	5.802	PK
4		5875.000	54.655	48.706	-50.545	105.200	5.949	PK
5		5925.000	54.549	48.489	-13.651	68.200	6.060	PK
6	*	5965.125	56.884	50.876	-11.316	68.200	6.008	PK

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

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

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

Site: WZ-AC2	Test Date: 2022-08-24
Limit: FCC_5.8G_RE(3m)	Engineer: Luis Yang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: IEEE 802.11a/b/g/n 2T2R USB Wi-Fi Module	Power: Powered by test jig
Test Mode: Transmit by 802.11n-HT40 at 5795MHz	



No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		5791.875	94.811	88.946	N/A	N/A	5.865	PK
2		5850.000	54.225	48.505	-67.975	122.200	5.720	PK
3		5855.000	53.927	48.125	-56.873	110.800	5.802	PK
4		5875.000	55.248	49.299	-49.952	105.200	5.949	PK
5		5925.000	54.716	48.656	-13.484	68.200	6.060	PK
6	*	5942.850	56.341	50.306	-11.859	68.200	6.036	PK

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

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 “2208RSU019-UT” file.

Appendix C – EUT Photograph

Refer to “2208RSU019-UE” file.

_____ The End _____