



RF MEASUREMENT REPORT

Output Power & Radiated Spurious Emission & Radiated Band Edge

FCC ID: HD5-SDMAC
Applicant: Honeywell International Inc.
Honeywell Safety and Productivity Solutions
Product: SDIO Wireless Module
Model No.: SX-SDMAC
Brand Name: Honeywell
FCC Classification: Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Result: Complies
Test Date: April 10 ~ 28, 2022

Reviewed By:

Jame Yuan

Jame Yuan

Approved By:

Robin Wu

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 ANSI C63.10-2013. 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
2203RSU031-U4	Rev. 01	Initial Report	05-04-2022	Valid

Note: This EUT is installed inside the portable device (Product Name: Thermal Printer, M/N: RP4D), we perform SAR testing and radiated spurious emission / band edge spot check testing.

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1. General Information

1.1. Applicant

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Baires Road, Fort Mill, SC 29707 United States

1.2. Manufacturer

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Bales Road, Fort Mill, SC 29707 United States

1.3. Testing Facility

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

1.4. Product Information

Product Name	SDIO Wireless Module
Model No.	SX-SDMAC
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Version	v5.0 dual mode
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. Host Information

Applicant	Honeywell International Inc Honeywell Safety and Productivity Solutions
Applicant Address	9680 Old Bailes Rd, Fort Mill, SC 29707, USA
Product Name	Thermal Printer
Model No.	RP4D
Serial No.	22075B1820

1.6. Radio Specification

Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5260~5320MHz, 5500~5700MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5270~5310MHz, 5510~5670MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5775MHz
Type of Modulation	802.11a/n/ac: OFDM
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.3Mbps

Note: For other features of this EUT, test report will be issued separately.

1.7. Antenna Details

Antenna No.	Antenna Type	Manufacturer	Part No.	Max. Peak Gain (dBi)
Antenna 1 (Wi-Fi/BT Antenna)	PCB Embedded Antenna	Ethertronics, Inc.	1004075	2.4GHz: 3.3, 5GHz: 5.1
Antenna 2 (Wi-Fi Antenna)			1004078	2.4GHz: 3.4, 5GHz: 4.2

Note: Only support SISO mode, both antennas can be switched automatically refer to receive signal strength.

1.8. Working Frequencies

802.11a/n-HT20/ac-VHT20

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

802.11n-HT40/ac-VHT40

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

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	155	5775 MHz	--	--

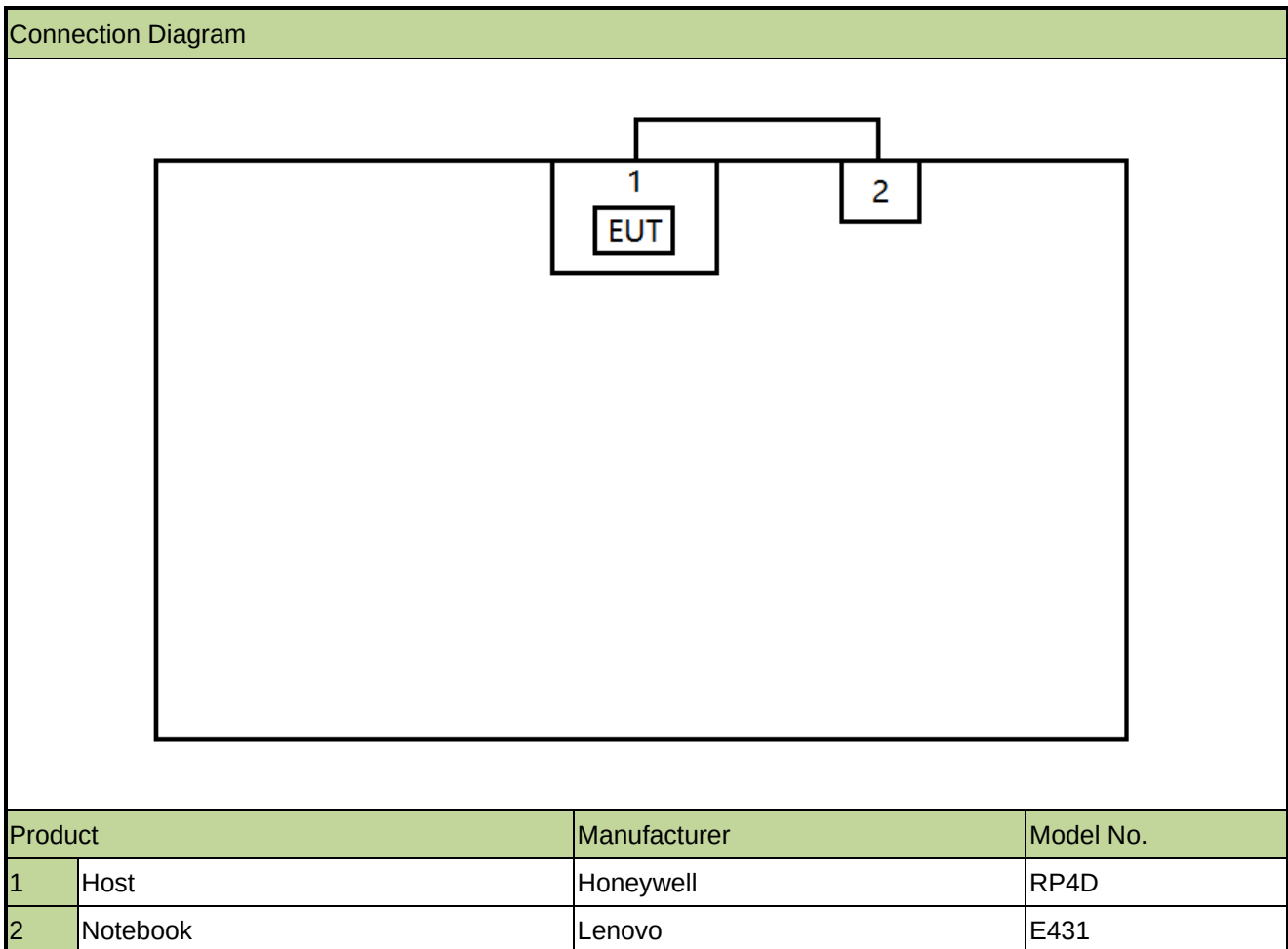
2. Test Configuration

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)
Mode 4: Transmit by 802.11ac-VHT20 (MCS0)
Mode 5: Transmit by 802.11ac-VHT40 (MCS0)
Mode 6: Transmit by 802.11ac-VHT80 (MCS0)

For radiated spurious emission and band edge measurement, some worst-case mode (Refer to module report) was selected for testing.

2.2. Test System Connection Diagram



2.3. Test Software

The test utility software used during testing was “QRCT”, and the version was 3.0.268.0.

2.4. Applied Standards

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

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

2.5. Test Environment Condition

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

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2022/12/29	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2022/9/16	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2022/11/12	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2022/8/5	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2023/4/21	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06403	1 year	2022/6/28	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2022/12/29	WZ-AC1
Thermohygrometer	testo	Testo 608-H1	MRTSUE11039	1 year	2022/11/11	WZ-AC1
Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2023/4/6	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2022/6/8	WZ-SR5
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2022/6/28	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	/	/	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2022/6/24	WZ-SR5

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software

4. Measurement Uncertainty

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

Radiated Emission Measurement
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)(9), (10), (11)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Radiated	Pass

Remark:

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

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

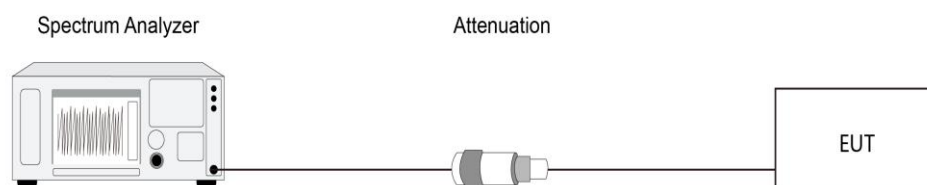
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

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

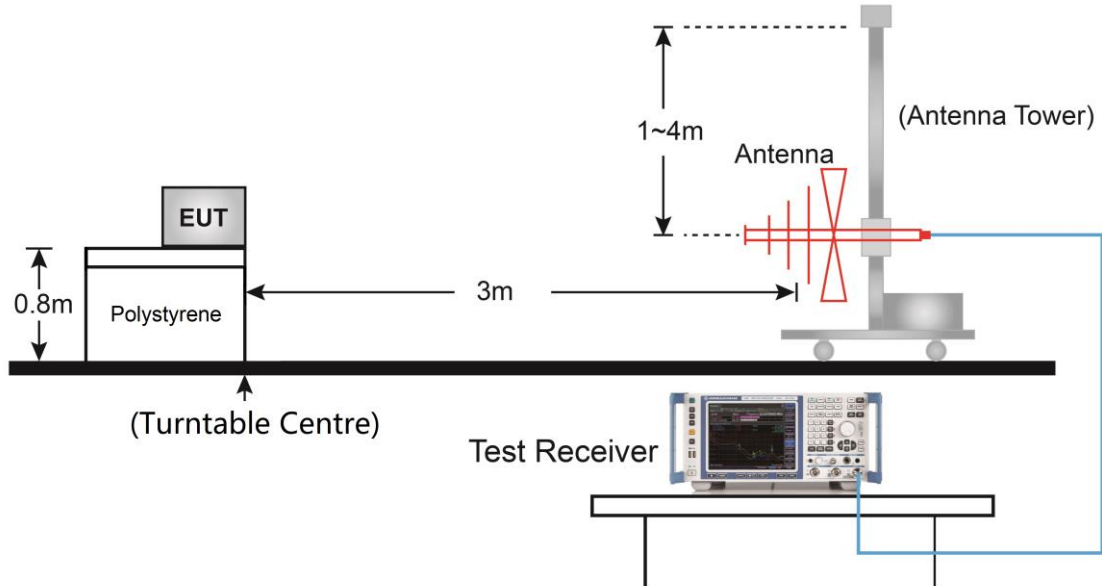
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

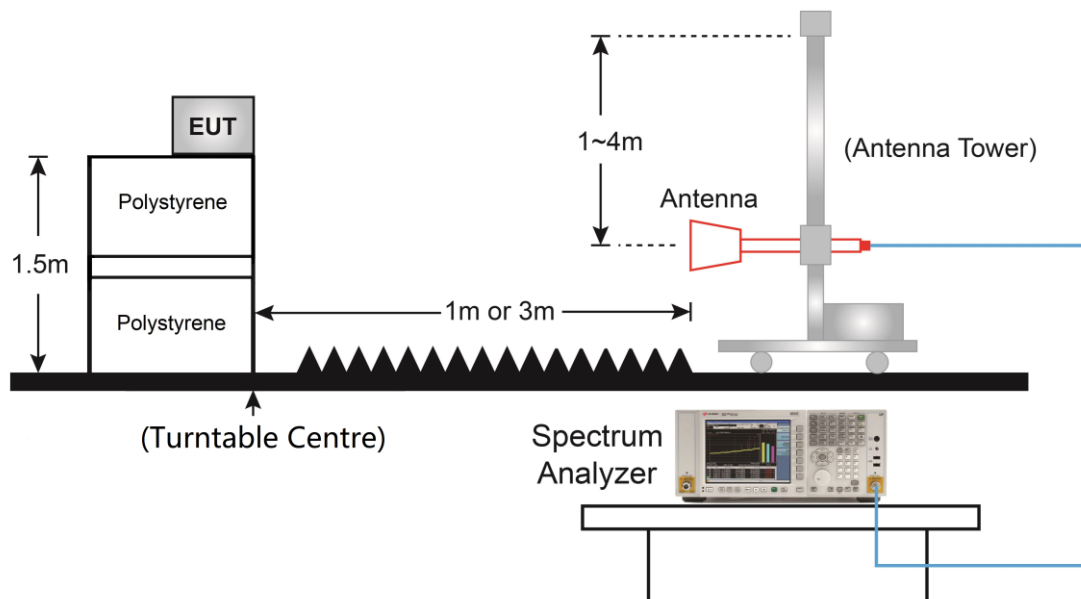
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration.
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

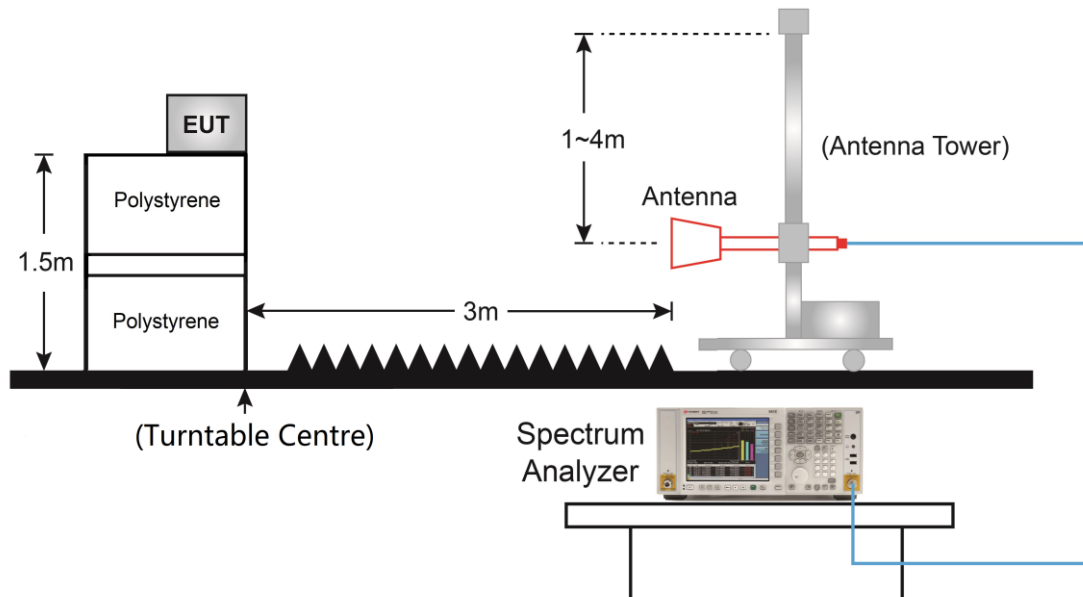
Peak Measurements above 1GHz

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	Liz Yuan
Test Date	2022/04/10	Test Mode	SISO Mode

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Average Power (dBm)		Average Power Limit (dBm)
				Antenna 1	Antenna 2	
11a	6Mbps	36	5180	10.24	10.56	≤ 23.98
11a	6Mbps	44	5220	13.67	13.57	≤ 23.98
11a	6Mbps	48	5240	13.46	13.67	≤ 23.98
11a	6Mbps	52	5260	13.32	13.43	≤ 23.98
11a	6Mbps	60	5300	13.00	13.08	≤ 23.98
11a	6Mbps	64	5320	7.20	9.14	≤ 23.98
11a	6Mbps	100	5500	8.12	8.10	≤ 23.98
11a	6Mbps	116	5580	8.48	8.16	≤ 23.98
11a	6Mbps	120	5600	8.56	8.40	≤ 23.98
11a	6Mbps	140	5700	8.61	8.76	≤ 23.98
11a	6Mbps	149	5745	9.97	9.04	≤ 30.00
11a	6Mbps	157	5785	10.14	10.13	≤ 30.00
11a	6Mbps	165	5825	9.57	9.83	≤ 30.00
11n-HT20	MCS0	36	5180	8.68	9.01	≤ 23.98
11n-HT20	MCS0	44	5220	13.11	13.11	≤ 23.98
11n-HT20	MCS0	48	5240	13.36	13.67	≤ 23.98
11n-HT20	MCS0	52	5260	13.57	13.72	≤ 23.98
11n-HT20	MCS0	60	5300	12.63	13.27	≤ 23.98
11n-HT20	MCS0	64	5320	8.71	8.77	≤ 23.98
11n-HT20	MCS0	100	5500	8.00	7.74	≤ 23.98
11n-HT20	MCS0	116	5580	7.65	8.20	≤ 23.98
11n-HT20	MCS0	120	5600	8.02	8.29	≤ 23.98
11n-HT20	MCS0	140	5700	8.37	7.97	≤ 23.98
11n-HT20	MCS0	149	5745	10.15	10.44	≤ 30.00
11n-HT20	MCS0	157	5785	9.54	9.85	≤ 30.00
11n-HT20	MCS0	165	5825	8.81	8.54	≤ 30.00

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Average Power (dBm)		Limit (dBm)
				Antenna 1	Antenna 2	
11n-HT40	MCS0	38	5190	7.89	7.54	≤ 23.98
11n-HT40	MCS0	46	5230	11.91	12.07	≤ 23.98
11n-HT40	MCS0	54	5270	12.04	12.11	≤ 23.98
11n-HT40	MCS0	62	5310	8.96	8.79	≤ 23.98
11n-HT40	MCS0	102	5510	7.37	7.56	≤ 23.98
11n-HT40	MCS0	110	5550	8.87	8.79	≤ 23.98
11n-HT40	MCS0	118	5590	9.00	8.87	≤ 23.98
11n-HT40	MCS0	134	5670	7.73	7.63	≤ 23.98
11n-HT40	MCS0	151	5755	8.28	8.46	≤ 30.00
11n-HT40	MCS0	159	5795	8.17	7.62	≤ 30.00
11ac-VHT20	MCS0	36	5180	8.84	8.98	≤ 23.98
11ac-VHT20	MCS0	44	5220	12.53	12.59	≤ 23.98
11ac-VHT20	MCS0	48	5240	13.60	13.61	≤ 23.98
11ac-VHT20	MCS0	52	5260	13.84	13.82	≤ 23.98
11ac-VHT20	MCS0	60	5300	12.45	12.62	≤ 23.98
11ac-VHT20	MCS0	64	5320	8.84	9.06	≤ 23.98
11ac-VHT20	MCS0	100	5500	8.04	8.34	≤ 23.98
11ac-VHT20	MCS0	116	5580	8.18	8.10	≤ 23.98
11ac-VHT20	MCS0	120	5600	8.34	8.25	≤ 23.98
11ac-VHT20	MCS0	140	5700	8.36	8.23	≤ 23.98
11ac-VHT20	MCS0	149	5745	9.78	9.75	≤ 30.00
11ac-VHT20	MCS0	157	5785	10.01	9.92	≤ 30.00
11ac-VHT20	MCS0	165	5825	8.87	8.54	≤ 30.00
11ac-VHT40	MCS0	38	5190	8.13	7.96	≤ 23.98
11ac-VHT40	MCS0	46	5230	12.40	12.03	≤ 23.98
11ac-VHT40	MCS0	54	5270	12.27	12.13	≤ 23.98
11ac-VHT40	MCS0	62	5310	9.02	9.05	≤ 23.98
11ac-VHT40	MCS0	102	5510	7.85	7.42	≤ 23.98
11ac-VHT40	MCS0	110	5550	8.95	8.71	≤ 23.98
11ac-VHT40	MCS0	118	5590	8.97	8.79	≤ 23.98
11ac-VHT40	MCS0	134	5670	7.67	7.68	≤ 23.98
11ac-VHT40	MCS0	151	5755	8.42	8.50	≤ 30.00
11ac-VHT40	MCS0	159	5795	8.16	7.71	≤ 30.00

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Average Power (dBm)		Limit (dBm)
11ac-VHT80	MCS0	42	5210	8.32	7.75	≤ 23.98
11ac-VHT80	MCS0	58	5290	7.82	8.09	≤ 23.98
11ac-VHT80	MCS0	106	5530	9.02	9.18	≤ 23.98
11ac-VHT80	MCS0	122	5610	11.13	11.23	≤ 23.98
11ac-VHT80	MCS0	155	5775	11.08	11.04	≤ 30.00

A.2 Radiated Spurious Emission Measurement Test Result

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT20 - Channel 36 Antenna 1
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
	8463.0	36.5	9.6	46.1	74.0	-27.9	Peak	Horizontal
*	8667.0	36.7	10.3	47.0	68.2	-21.2	Peak	Horizontal
*	10358.5	36.7	13.2	49.9	68.2	-18.3	Peak	Horizontal
	11421.0	36.2	13.1	49.3	74.0	-24.7	Peak	Horizontal
	8233.5	36.1	9.2	45.3	74.0	-28.7	Peak	Vertical
*	9695.5	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	10171.5	35.6	13.2	48.8	68.2	-19.4	Peak	Vertical
	11438.0	36.5	13.2	49.7	74.0	-24.3	Peak	Vertical

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

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT20 - Channel 52 Antenna 1
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
	8259.0	36.3	9.2	45.5	74.0	-28.5	Peak	Horizontal
*	9695.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	10520.0	36.8	13.4	50.2	68.2	-18.0	Peak	Horizontal
	11616.5	37.0	12.8	49.8	74.0	-24.2	Peak	Horizontal
	8250.5	35.2	9.2	44.4	74.0	-29.6	Peak	Vertical
*	8616.0	35.6	10.2	45.8	68.2	-22.4	Peak	Vertical
*	10171.5	36.0	13.2	49.2	68.2	-19.0	Peak	Vertical
	11769.5	37.1	12.5	49.6	74.0	-24.4	Peak	Vertical

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

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT40 - Channel 134 Antenna 1
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	36.4	9.2	45.6	74.0	-28.4	Peak	Horizontal
*	8811.5	34.7	10.8	45.5	68.2	-22.7	Peak	Horizontal
*	10273.5	36.3	13.2	49.5	68.2	-18.7	Peak	Horizontal
	11523.0	37.0	13.0	50.0	74.0	-24.0	Peak	Horizontal
	8131.5	35.0	9.2	44.2	74.0	-29.8	Peak	Vertical
*	8675.5	35.0	10.4	45.4	68.2	-22.8	Peak	Vertical
*	10341.5	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
	11115.0	36.6	12.9	49.5	74.0	-24.5	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-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT80 - Channel 155 Antenna 1
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
	8199.5	34.7	9.3	44.0	74.0	-30.0	Peak	Horizontal
*	8667.0	36.5	10.3	46.8	68.2	-21.4	Peak	Horizontal
*	10120.5	36.0	12.9	48.9	68.2	-19.3	Peak	Horizontal
	11548.5	48.3	13.1	61.4	74.0	-12.6	Peak	Horizontal
	11548.5	37.6	13.1	50.7	54.0	-3.3	Average	Horizontal
	8361.0	35.3	9.3	44.6	74.0	-29.4	Peak	Vertical
*	8616.0	35.9	10.2	46.1	68.2	-22.1	Peak	Vertical
*	10180.0	35.1	13.4	48.5	68.2	-19.7	Peak	Vertical
	11565.5	46.4	12.8	59.2	74.0	-14.8	Peak	Vertical
	11565.5	36.7	12.8	49.5	54.0	-4.5	Average	Horizontal

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-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT20 - Channel 36 Antenna 2
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
	8352.5	35.7	9.2	44.9	74.0	-29.1	Peak	Horizontal
*	9755.0	35.0	12.5	47.5	68.2	-20.7	Peak	Horizontal
*	10137.5	36.1	13.1	49.2	68.2	-19.0	Peak	Horizontal
	11599.5	35.6	13.0	48.6	74.0	-25.4	Peak	Horizontal
	8437.5	34.6	9.3	43.9	74.0	-30.1	Peak	Vertical
*	9993.0	33.2	12.8	46.0	68.2	-22.2	Peak	Vertical
*	10358.5	36.0	13.2	49.2	68.2	-19.0	Peak	Vertical
	11540.0	36.9	13.0	49.9	74.0	-24.1	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-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT20 - Channel 52 Antenna 2
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
	8684.0	36.8	10.4	47.2	68.2	-21.0	Peak	Horizontal
*	10520.0	37.2	13.4	50.6	68.2	-17.6	Peak	Horizontal
*	10860.0	36.2	13.4	49.6	74.0	-24.4	Peak	Horizontal
	11650.5	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
	9687.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	10520.0	36.9	13.4	50.3	68.2	-17.9	Peak	Vertical
*	11047.0	35.7	13.5	49.2	74.0	-24.8	Peak	Vertical
	12194.5	36.5	12.7	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT40 - Channel 134 Antenna 2
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
	8225.0	35.7	9.3	45.0	74.0	-29.0	Peak	Horizontal
*	9687.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	10248.0	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
	11633.5	36.9	12.6	49.5	74.0	-24.5	Peak	Horizontal
	8182.5	36.7	9.1	45.8	74.0	-28.2	Peak	Vertical
*	9576.5	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
*	10418.0	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical
	12415.5	36.7	12.6	49.3	74.0	-24.7	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-AC1	Test Engineer	Charles Zhang
Test Date	2022/04/28	Test Mode	802.11ac-VHT80 - Channel 155 Antenna 2
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
	7698.0	40.4	8.5	48.9	74.0	-25.1	Peak	Horizontal
*	8650.0	36.0	10.3	46.3	68.2	-21.9	Peak	Horizontal
*	10248.0	35.0	13.2	48.2	68.2	-20.0	Peak	Horizontal
	11548.5	36.9	13.1	50.0	74.0	-24.0	Peak	Horizontal
	9653.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	10324.5	35.5	13.3	48.8	68.2	-19.4	Peak	Vertical
*	10843.0	35.5	13.6	49.1	74.0	-24.9	Peak	Vertical
	11548.5	37.3	13.1	50.4	74.0	-23.6	Peak	Vertical

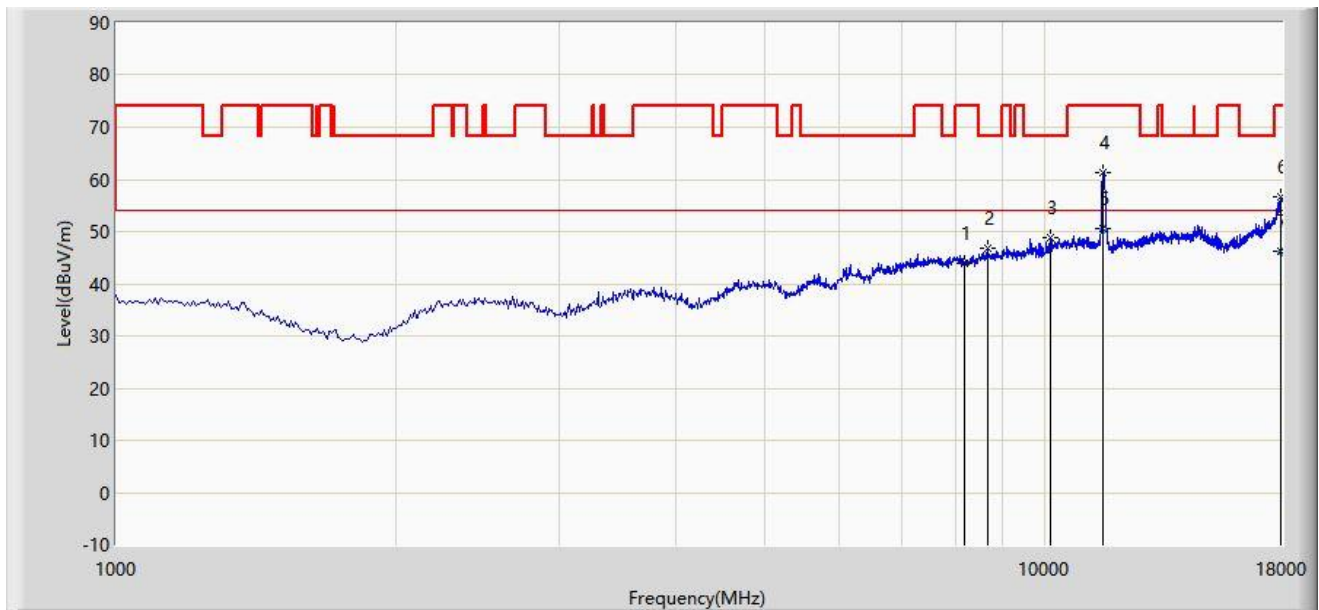
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst-case test data of radiated spurious emission above 1GHz

Site: WZ-AC1	Time: 2022/04/28 - 09:40
Limit: FCC_Part15.209_RSE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Antenna 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		8199.500	43.934	34.657	-30.066	74.000	9.277	PK
2		8667.000	46.835	36.492	-21.365	68.200	10.343	PK
3		10120.500	48.896	35.970	-19.304	68.200	12.926	PK
4		11548.500	61.412	48.320	-12.588	74.000	13.092	PK
5	*	11548.500	50.685	37.593	-3.315	54.000	13.092	AV
6		17966.000	56.622	82.842	-17.378	74.000	-26.220	PK
7		17966.000	46.201	72.421	-7.799	54.000	-26.220	AV

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

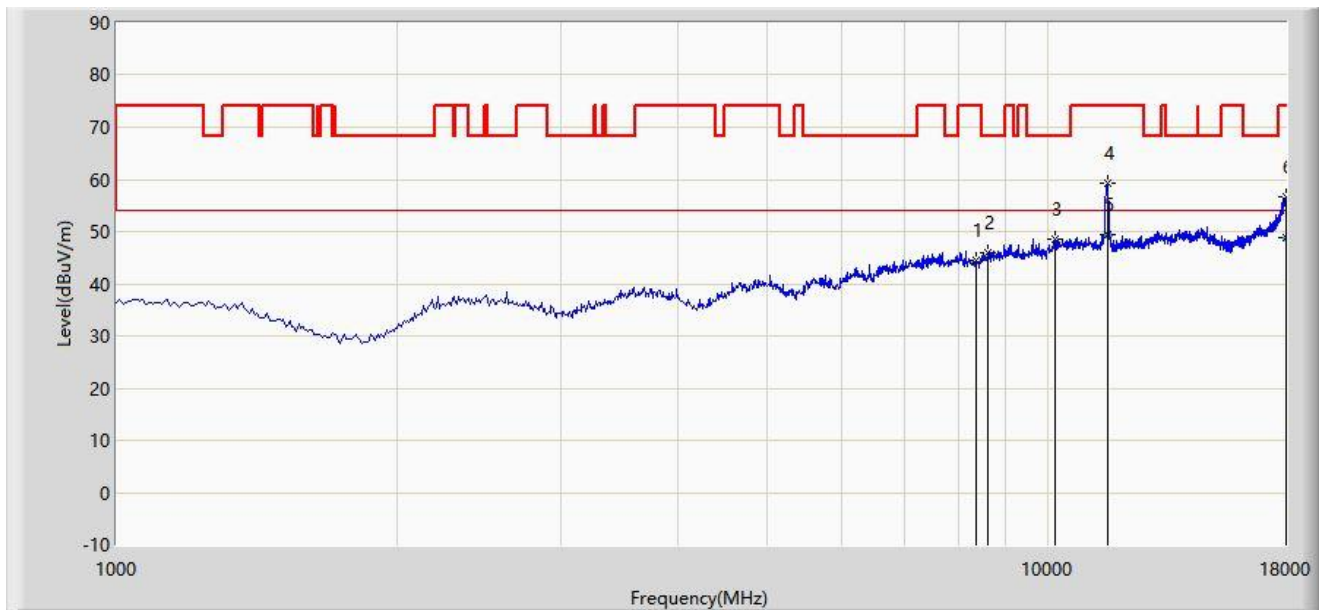
Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m).

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

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Note 5: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: WZ-AC1	Time: 2022/04/28 - 09:46
Limit: FCC_Part15.209_RSE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Antenna 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		8361.000	44.631	35.344	-29.369	74.000	9.287	PK
2		8616.000	46.074	35.911	-22.126	68.200	10.163	PK
3		10180.000	48.473	35.110	-19.727	68.200	13.364	PK
4		11565.500	59.178	46.350	-14.822	74.000	12.828	PK
5	*	11565.500	49.521	36.693	-4.479	54.000	12.828	AV
6		17991.500	56.659	82.850	-17.341	74.000	-26.190	PK
7		17991.500	48.923	75.114	-5.077	54.000	-26.190	AV

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

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

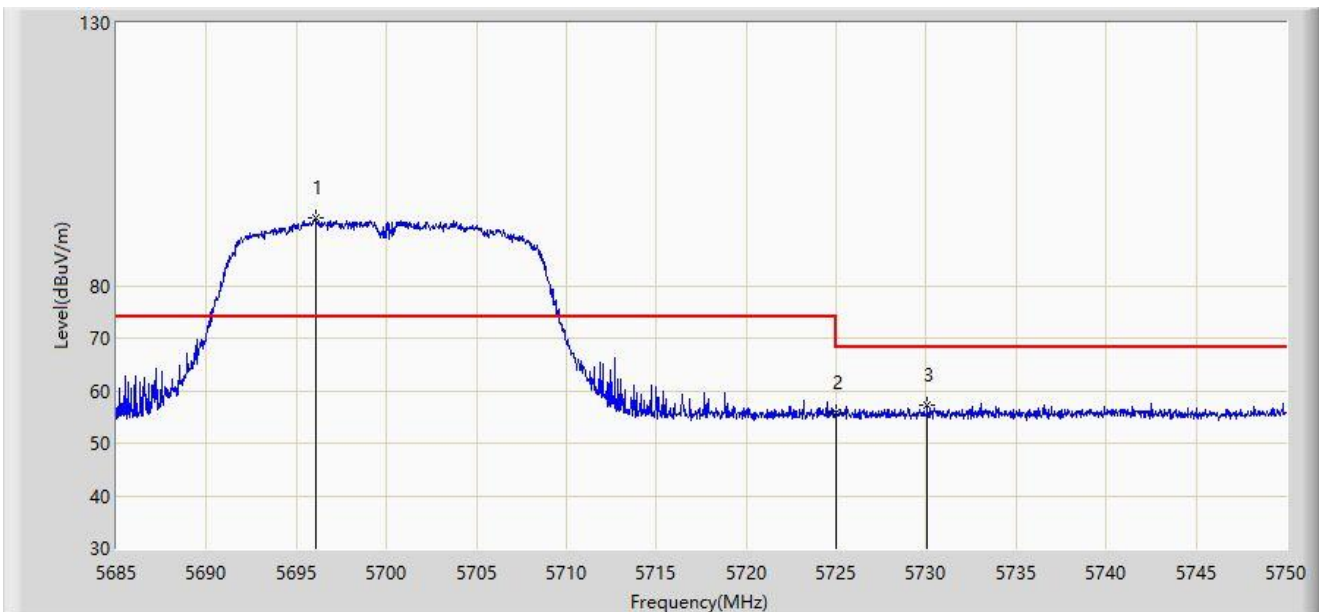
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Note 5: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.3 Radiated Restricted Band Edge Test Result

Site: WZ-AC1	Time: 2022/04/27 - 10:18
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Antenna 1	

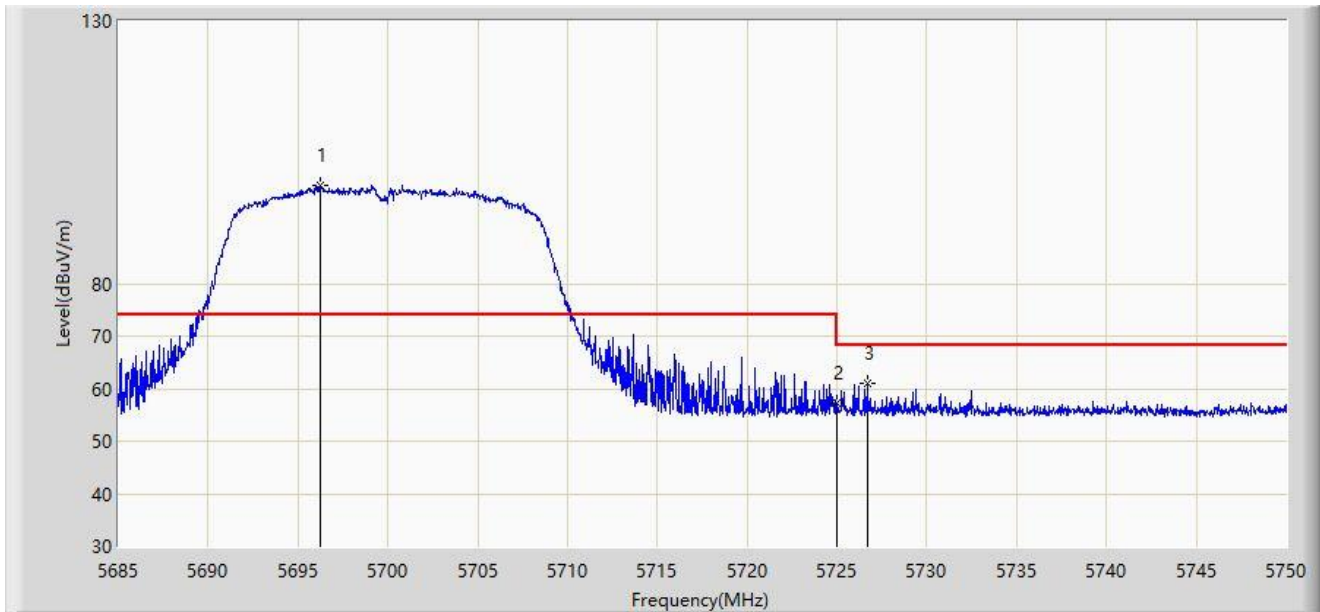


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5696.050	92.928	88.309	N/A	N/A	4.620	PK
2			5725.000	55.750	51.030	-12.450	68.200	4.720	PK
3			5730.045	57.321	52.551	-10.879	68.200	4.769	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:31
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Antenna 1	

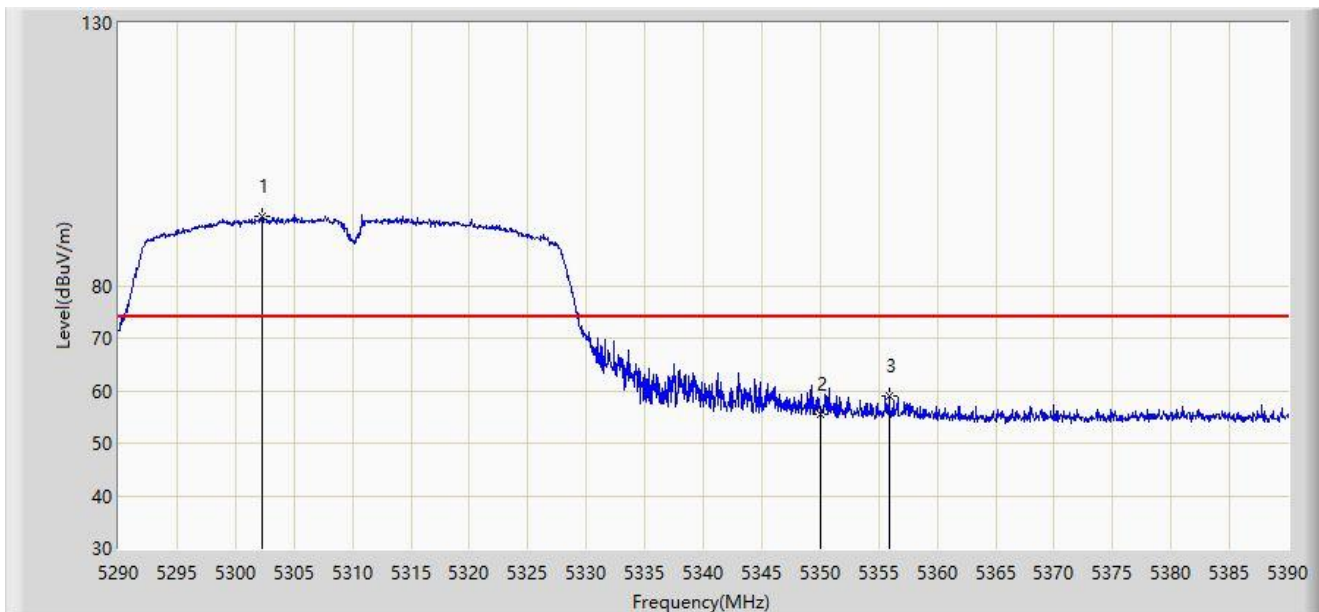


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5696.245	98.741	94.122	N/A	N/A	4.619	PK
2			5725.000	57.173	52.453	-11.027	68.200	4.720	PK
3			5726.665	60.980	56.247	-7.220	68.200	4.733	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 1	

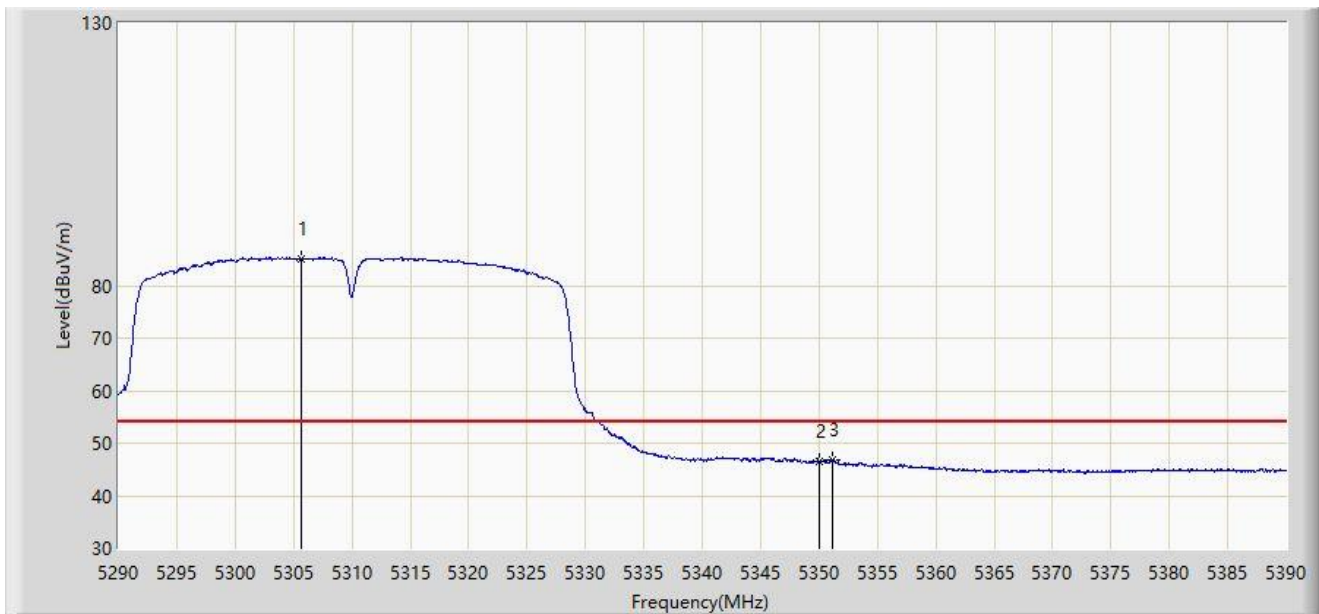


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5302.300	93.256	89.057	N/A	N/A	4.199	PK
2			5350.000	55.468	51.300	-18.532	74.000	4.169	PK
3			5355.900	59.100	54.990	-14.900	74.000	4.110	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:40
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 1	

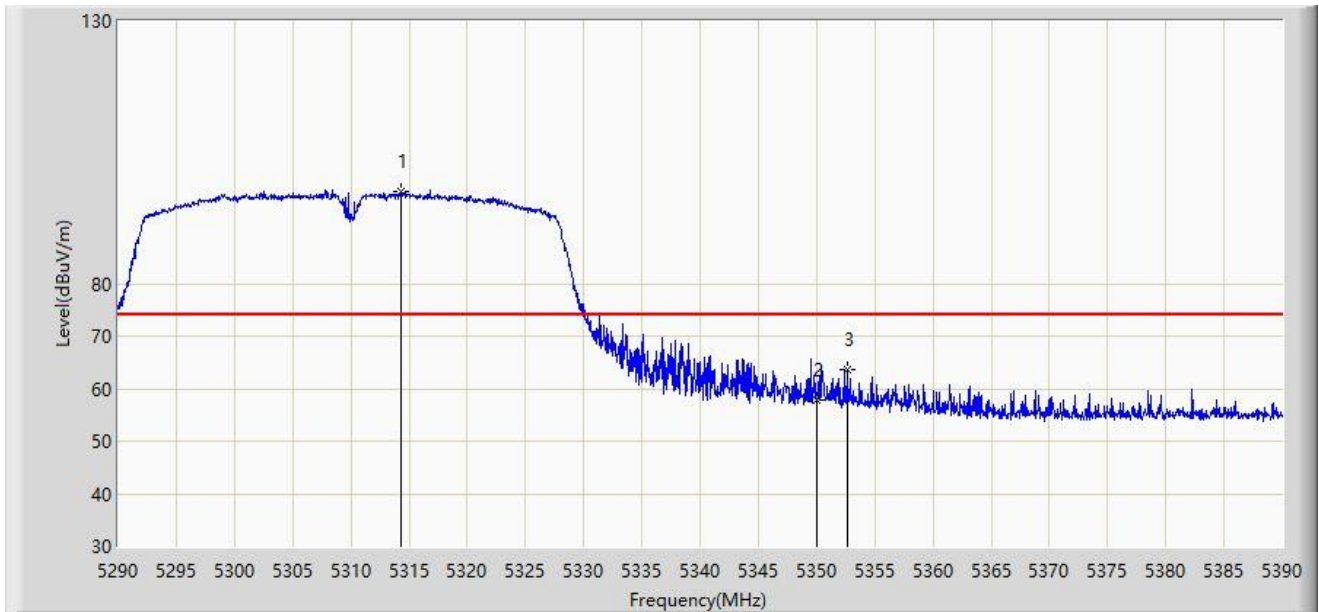


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5305.650	85.199	81.006	N/A	N/A	4.193	AV
2			5350.000	46.582	42.414	-7.418	54.000	4.169	AV
3			5351.200	46.803	42.653	-7.197	54.000	4.151	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:44
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 1	

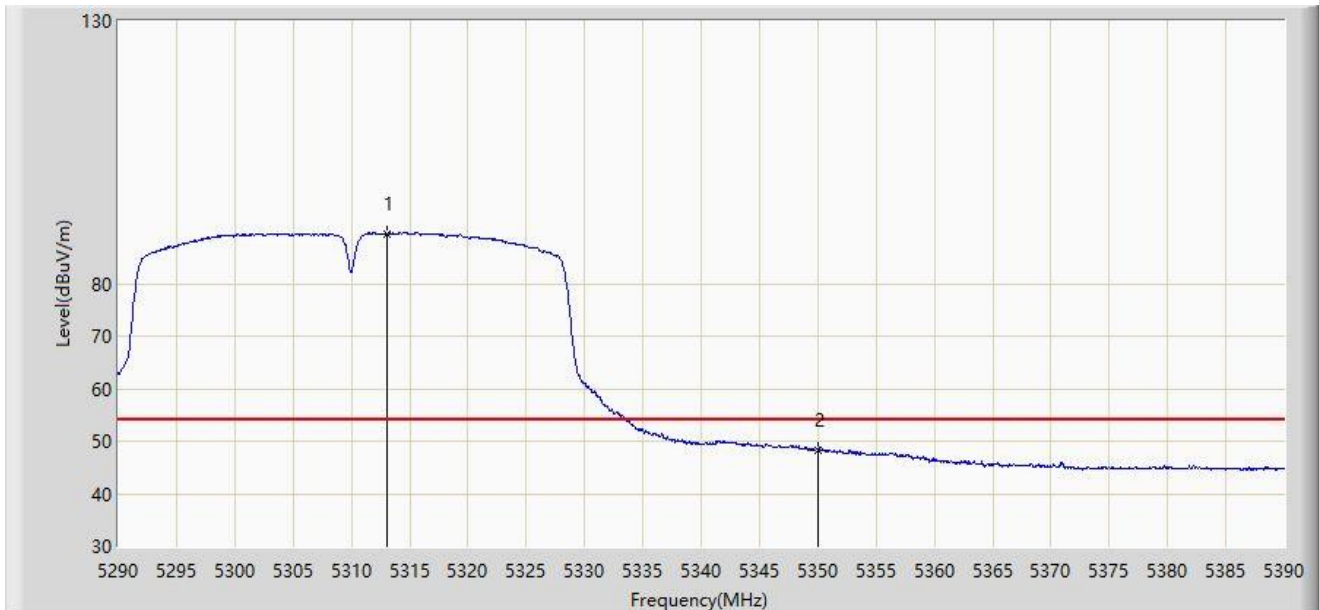


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5314.350	97.630	93.440	N/A	N/A	4.190	PK
2			5350.000	57.960	53.792	-16.040	74.000	4.169	PK
3			5352.600	63.627	59.493	-10.373	74.000	4.134	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:47
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 1	

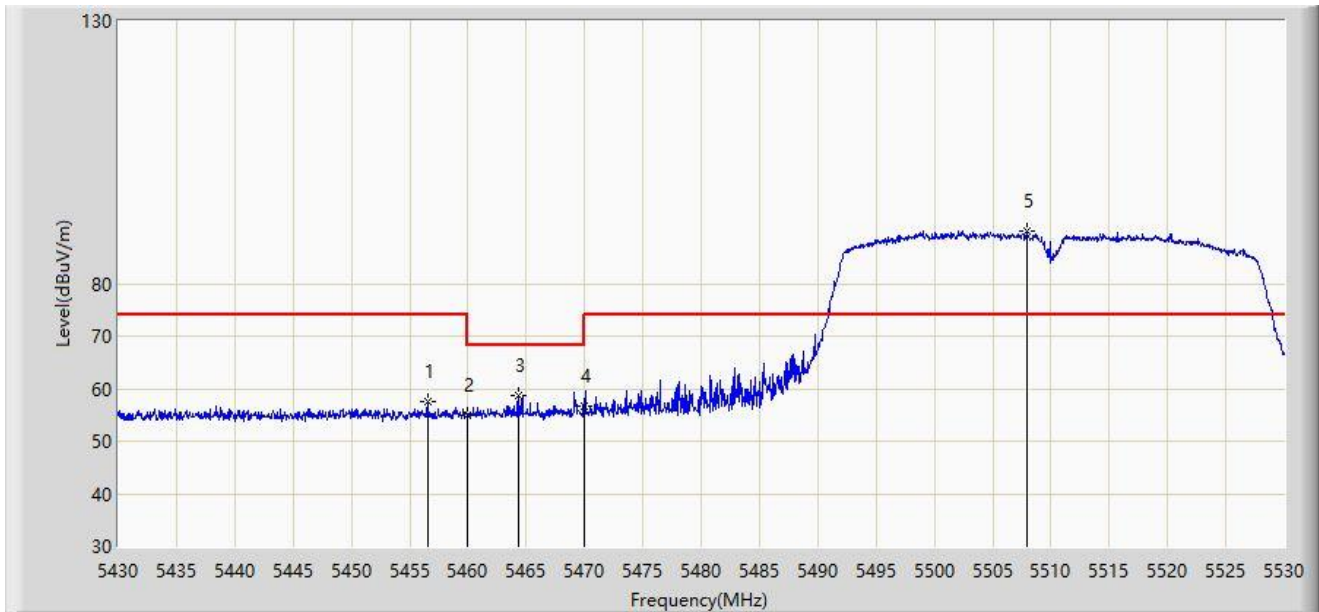


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5313.100	89.556	85.375	N/A	N/A	4.181	AV
2			5350.000	48.365	44.197	-5.635	54.000	4.169	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:50
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 1	

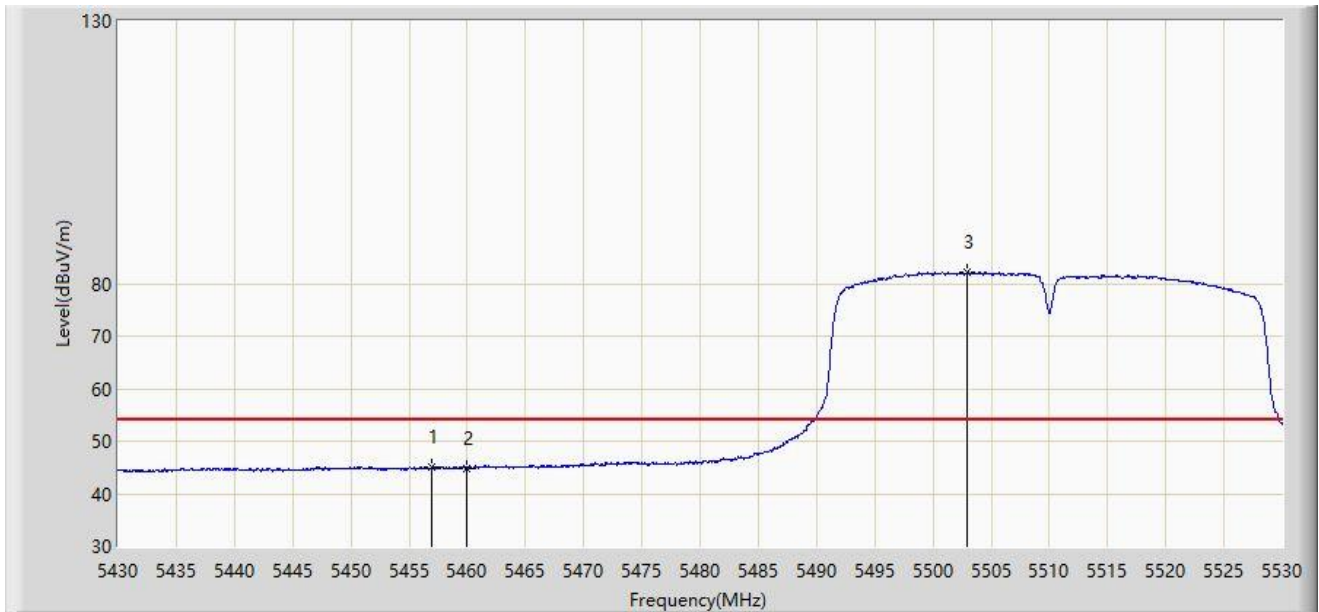


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5456.550	57.586	53.411	-16.414	74.000	4.175	PK
2			5460.000	55.035	50.850	-18.965	74.000	4.186	PK
3			5464.300	58.792	54.600	-9.408	68.200	4.193	PK
4			5470.000	56.695	52.493	-11.505	68.200	4.201	PK
5		*	5507.900	89.968	85.668	N/A	N/A	4.300	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:55
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 1	

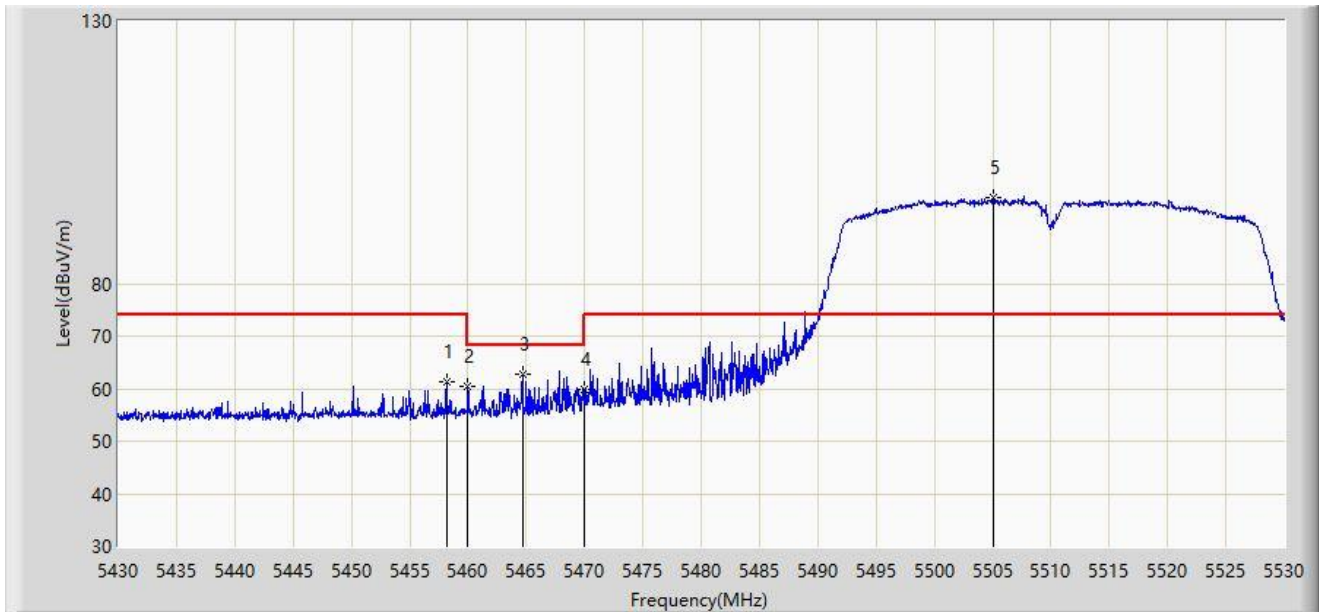


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5456.950	45.066	40.886	-8.934	54.000	4.180	AV
2			5460.000	44.870	40.685	-9.130	54.000	4.186	AV
3		*	5502.950	82.133	77.783	N/A	N/A	4.350	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 10:57
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 1	

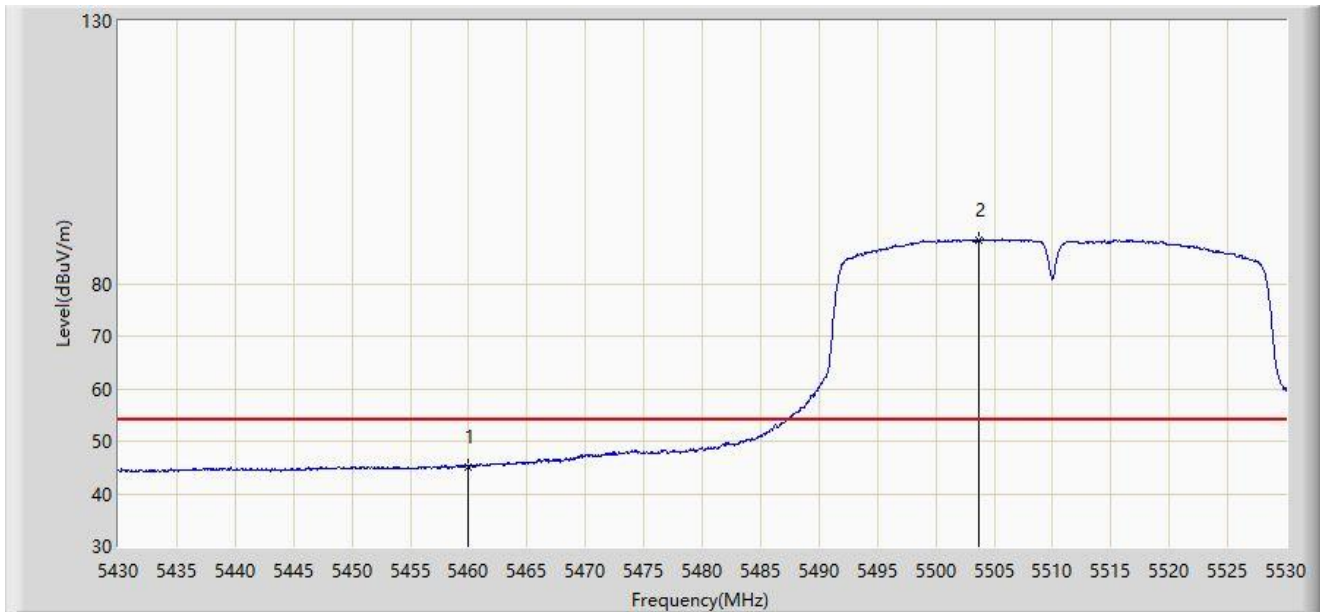


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5458.200	61.251	57.069	-12.749	74.000	4.183	PK
2			5460.000	60.415	56.230	-13.585	74.000	4.186	PK
3			5464.650	62.635	58.442	-5.565	68.200	4.193	PK
4			5470.000	59.880	55.678	-8.320	68.200	4.201	PK
5		*	5505.100	96.317	91.985	N/A	N/A	4.332	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:00
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 1	

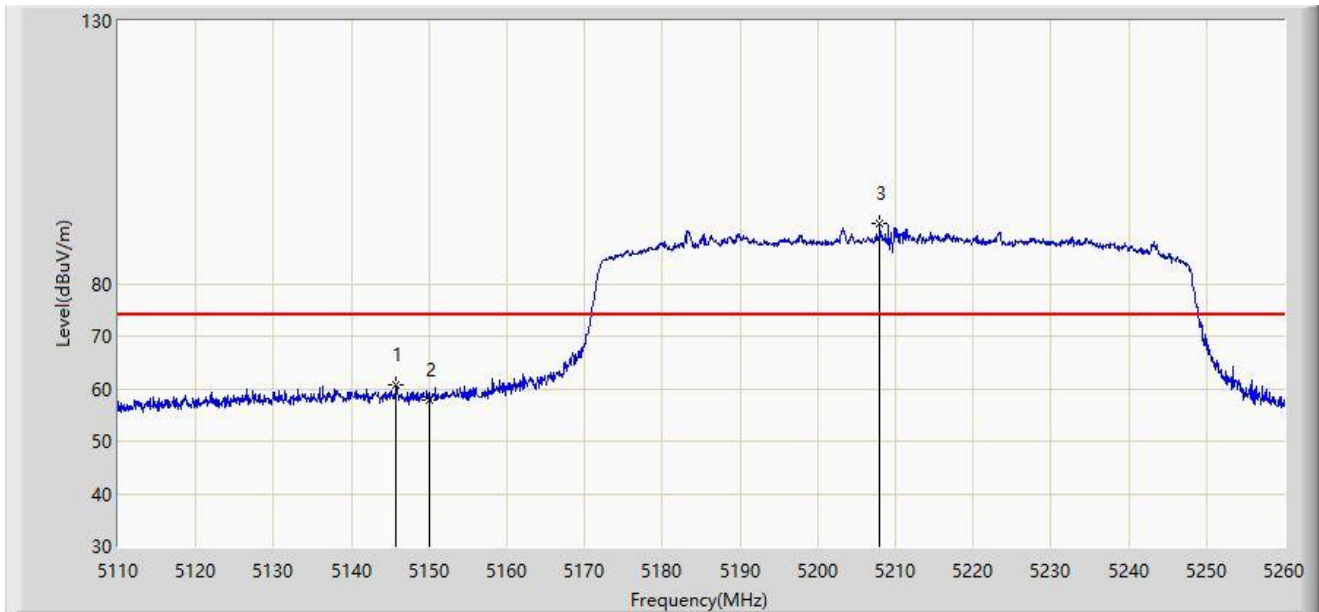


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5460.000	45.198	41.013	-8.802	54.000	4.186	AV
2		*	5503.650	88.287	83.943	N/A	N/A	4.344	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:03
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 1	

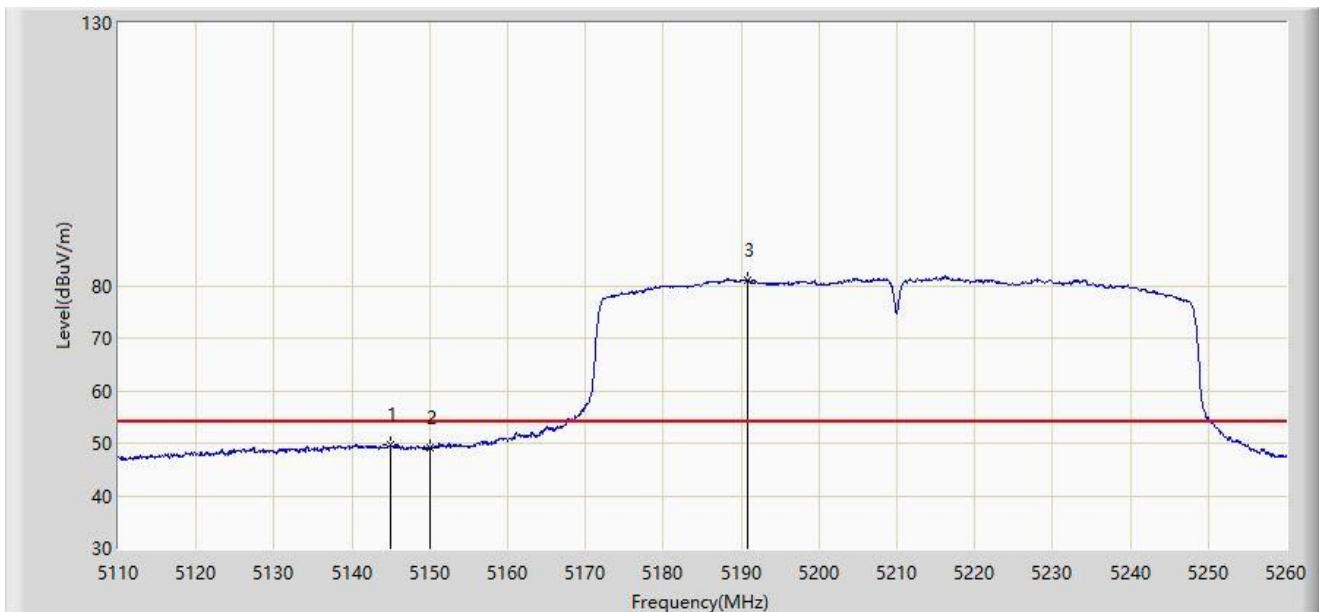


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5145.700	60.667	56.121	-13.333	74.000	4.545	PK
2			5150.000	57.692	53.136	-16.308	74.000	4.556	PK
3		*	5208.025	91.577	87.327	N/A	N/A	4.250	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:10
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 1	

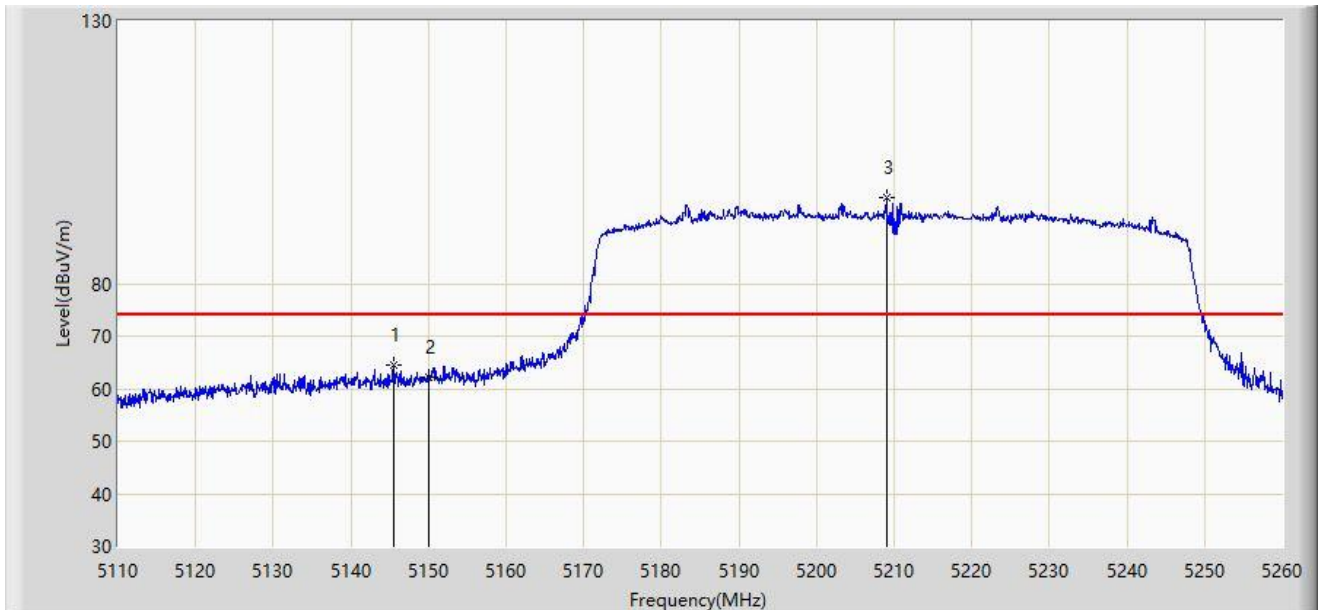


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5144.950	49.767	45.227	-4.233	54.000	4.540	AV
2			5150.000	49.080	44.524	-4.920	54.000	4.556	AV
3		*	5190.775	81.141	76.883	N/A	N/A	4.258	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 1	

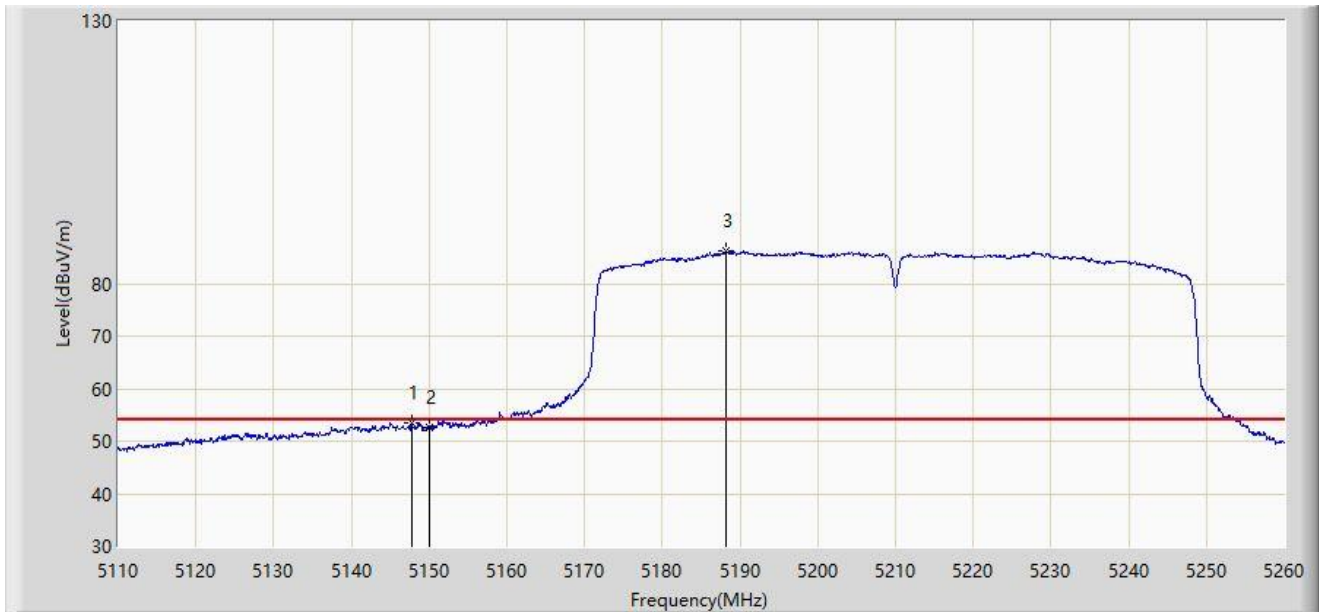


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5145.475	64.527	59.983	-9.473	74.000	4.543	PK
2			5150.000	62.245	57.689	-11.755	74.000	4.556	PK
3		*	5209.000	96.520	92.265	N/A	N/A	4.254	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:15
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 1	

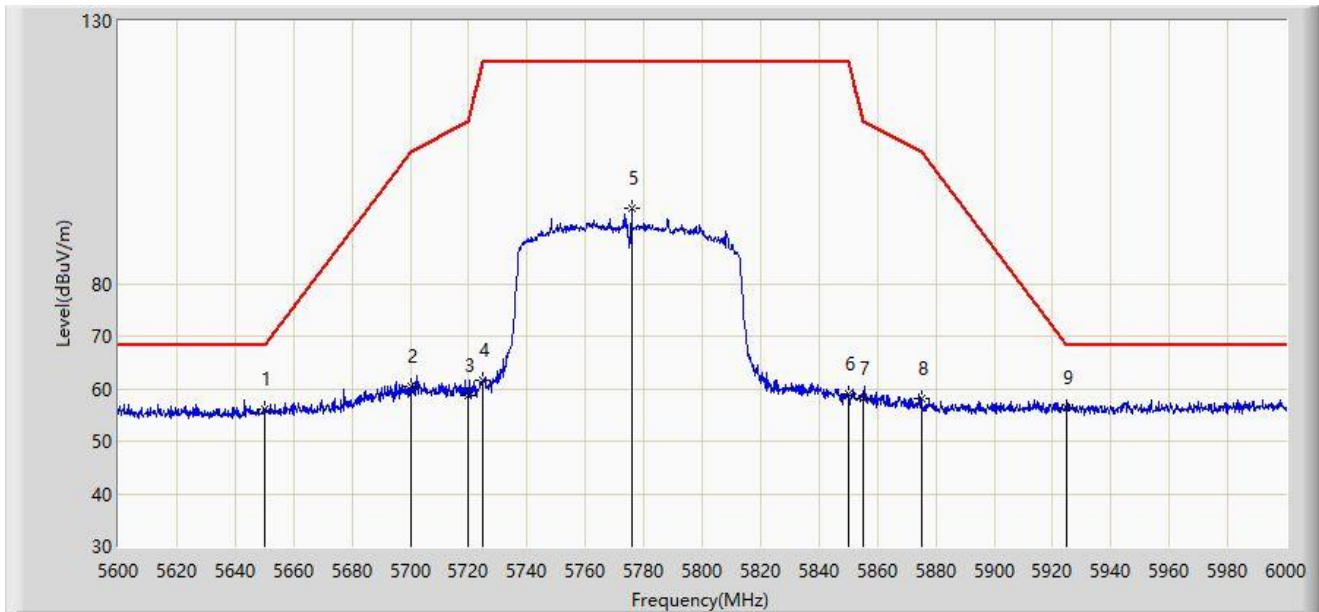


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5147.800	53.534	48.972	-0.466	54.000	4.562	AV
2			5150.000	52.552	47.996	-1.448	54.000	4.556	AV
3		*	5188.150	86.110	81.839	N/A	N/A	4.271	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:31
Limit: FCC_Part 15.407_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Antenna 1	

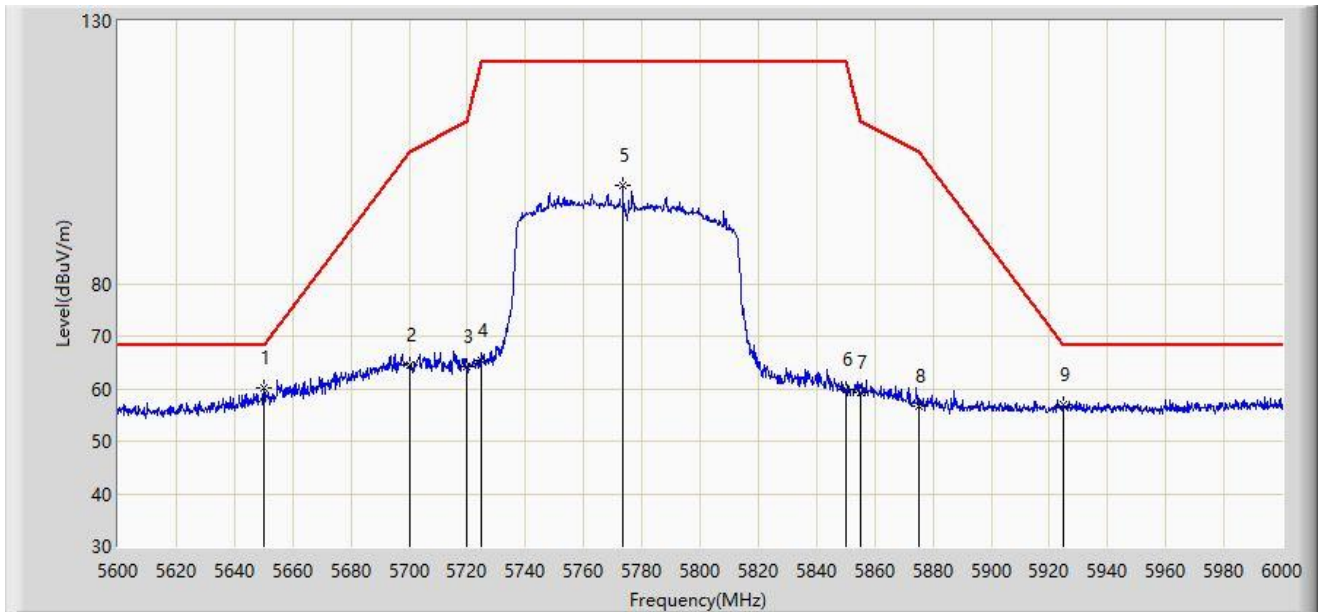


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5650.000	56.170	51.603	-12.030	68.200	4.567	PK
2			5700.000	60.446	55.828	-44.754	105.200	4.618	PK
3			5720.000	58.761	54.075	-52.039	110.800	4.687	PK
4			5725.000	61.572	56.852	-60.628	122.200	4.720	PK
5			5775.800	94.338	89.407	N/A	N/A	4.931	PK
6			5850.000	58.957	53.680	-63.243	122.200	5.277	PK
7			5855.000	58.054	52.814	-52.746	110.800	5.240	PK
8			5875.000	58.195	53.055	-47.005	105.200	5.141	PK
9		*	5925.000	56.504	51.039	-11.696	68.200	5.465	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:38
Limit: FCC_Part 15.407_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Antenna 1	

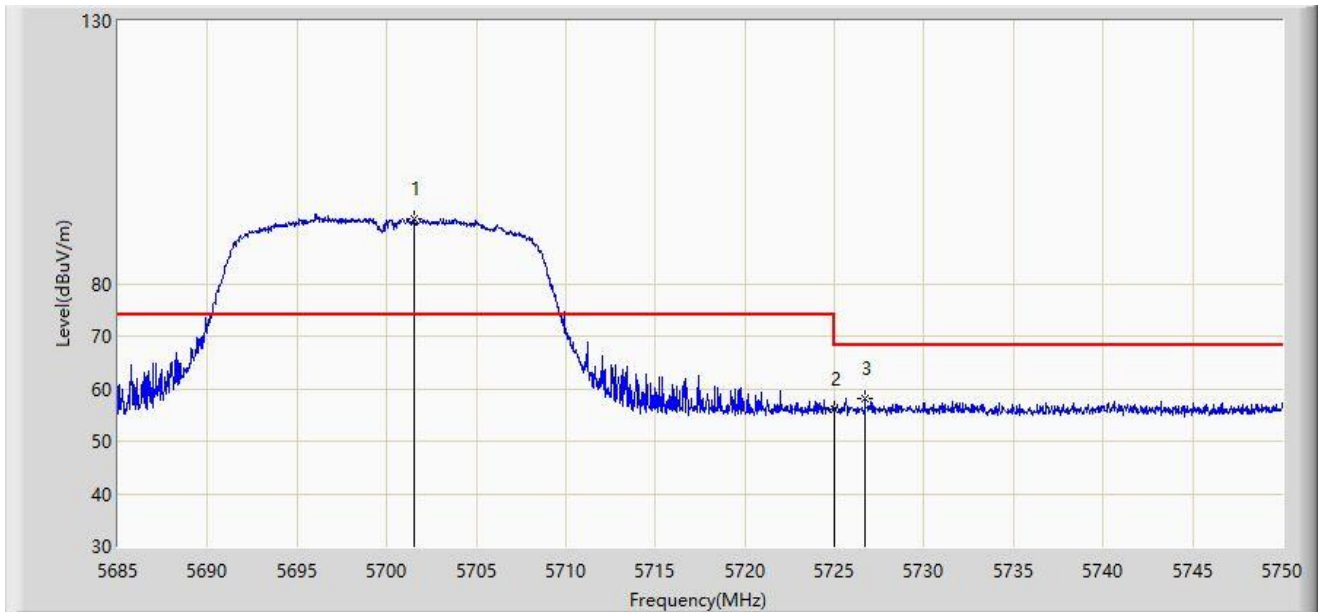


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5650.000	60.217	55.650	-7.983	68.200	4.567	PK
2			5700.000	64.532	59.914	-40.668	105.200	4.618	PK
3			5720.000	64.278	59.592	-46.522	110.800	4.687	PK
4			5725.000	65.384	60.664	-56.816	122.200	4.720	PK
5			5773.400	98.770	93.824	N/A	N/A	4.946	PK
6			5850.000	59.751	54.474	-62.449	122.200	5.277	PK
7			5855.000	59.372	54.132	-51.428	110.800	5.240	PK
8			5875.000	56.650	51.510	-48.550	105.200	5.141	PK
9			5925.000	57.022	51.557	-11.178	68.200	5.465	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:45
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Antenna 2	

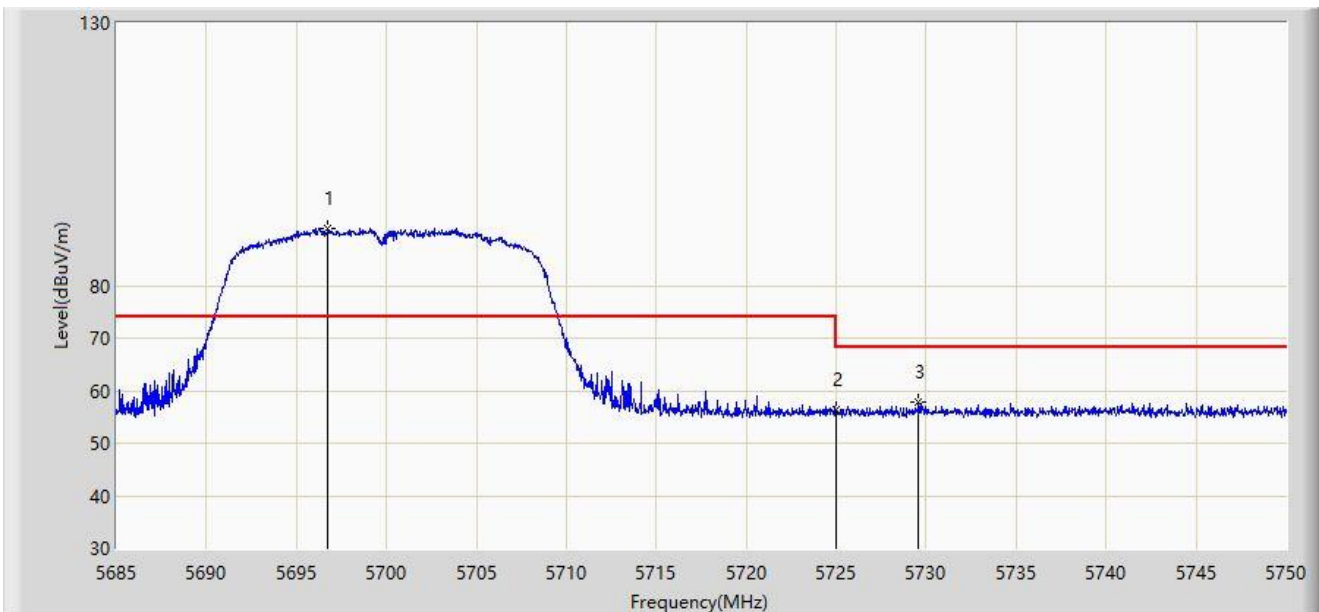


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5701.510	92.399	87.782	N/A	N/A	4.618	PK
2			5725.000	56.023	51.303	-12.177	68.200	4.720	PK
3			5726.697	58.043	53.310	-10.157	68.200	4.733	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:53
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Antenna 2	

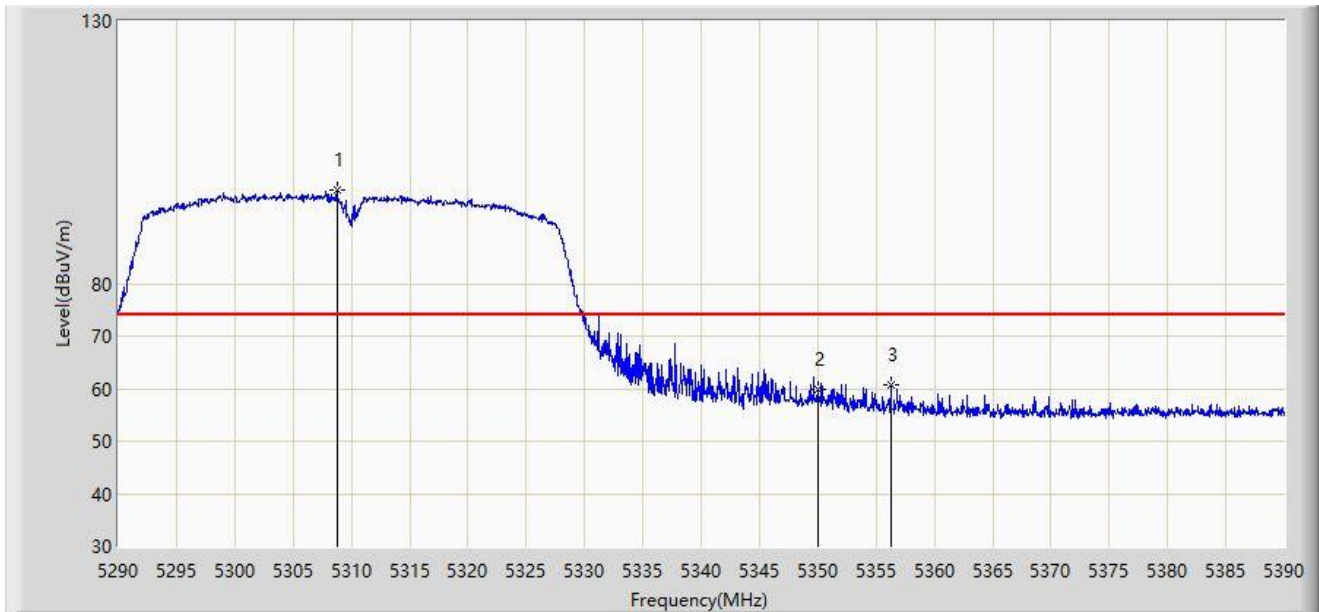


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5696.765	90.827	86.208	N/A	N/A	4.619	PK
2			5725.000	56.334	51.614	-11.866	68.200	4.720	PK
3			5729.558	57.906	53.141	-10.294	68.200	4.764	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 11:56
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 2	

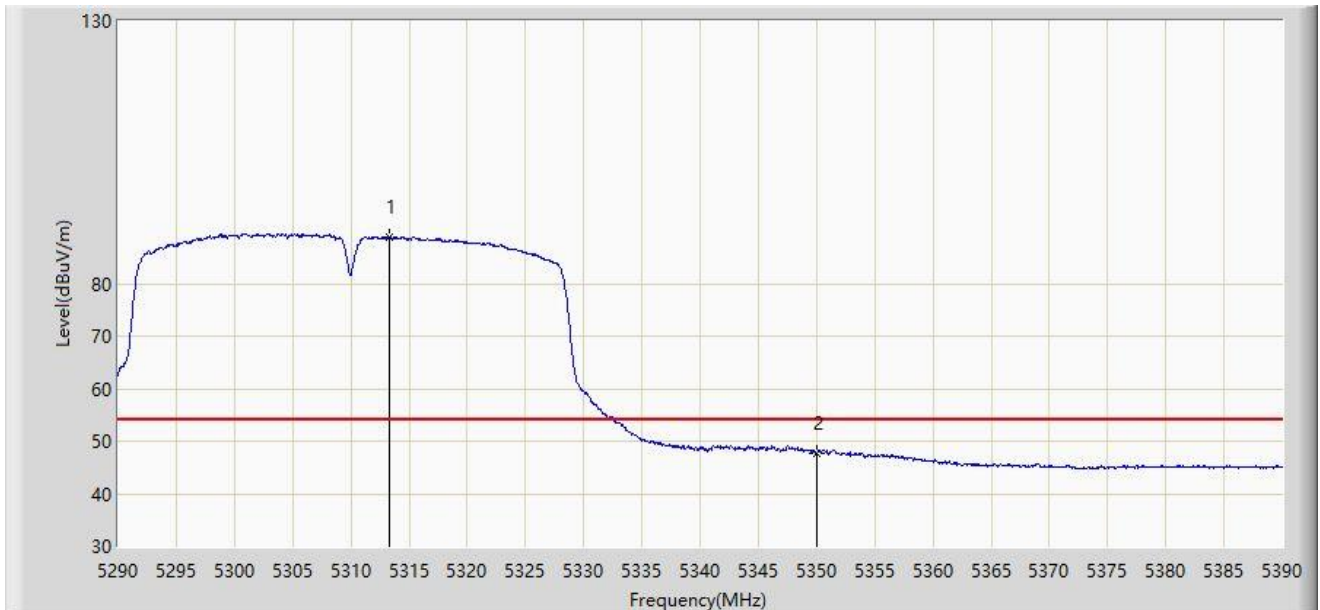


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5308.750	97.835	93.647	N/A	N/A	4.188	PK
2			5350.000	59.886	55.718	-14.114	74.000	4.169	PK
3			5356.250	60.710	56.602	-13.290	74.000	4.107	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:03
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 2	

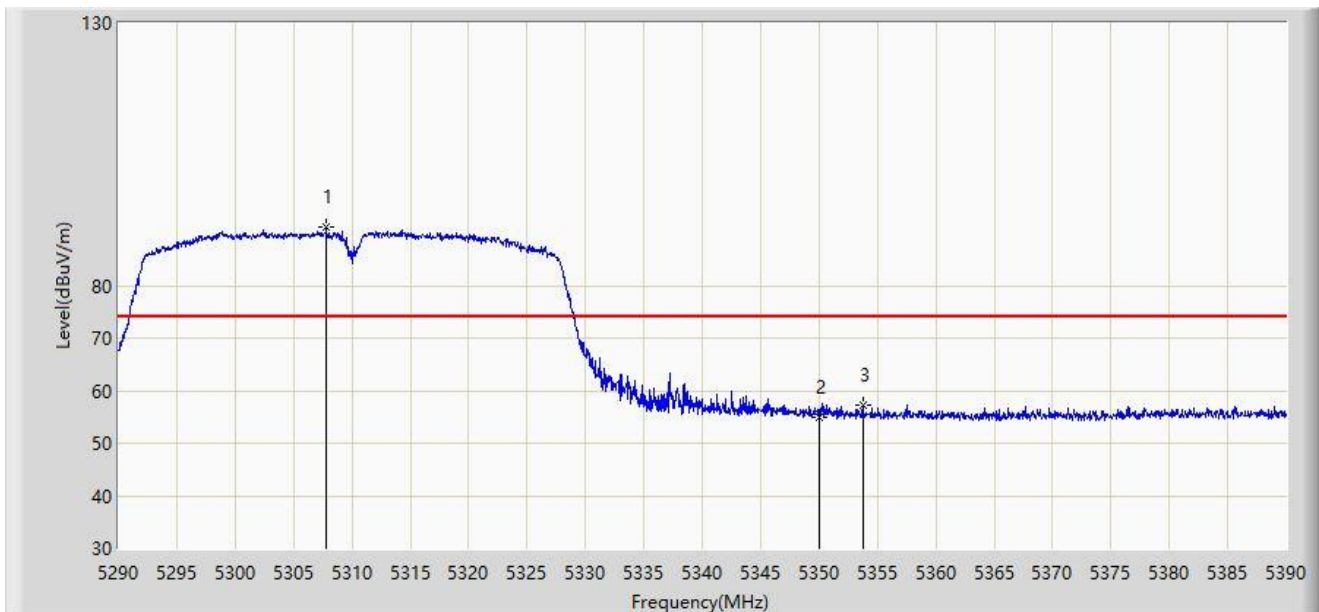


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5313.300	88.866	84.684	N/A	N/A	4.182	AV
2			5350.000	47.791	43.623	-6.209	54.000	4.169	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:05
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 2	

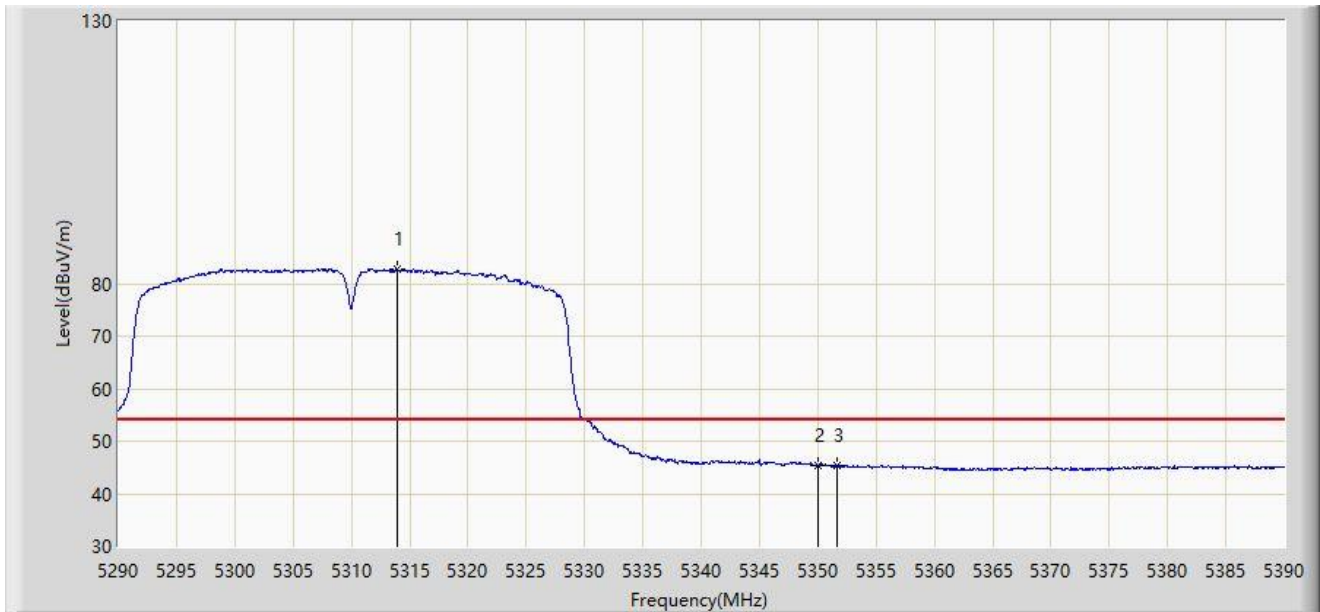


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5307.800	91.038	86.848	N/A	N/A	4.190	PK
2			5350.000	54.995	50.827	-19.005	74.000	4.169	PK
3			5353.750	57.217	53.091	-16.783	74.000	4.125	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:08
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5310MHz Antenna 2	

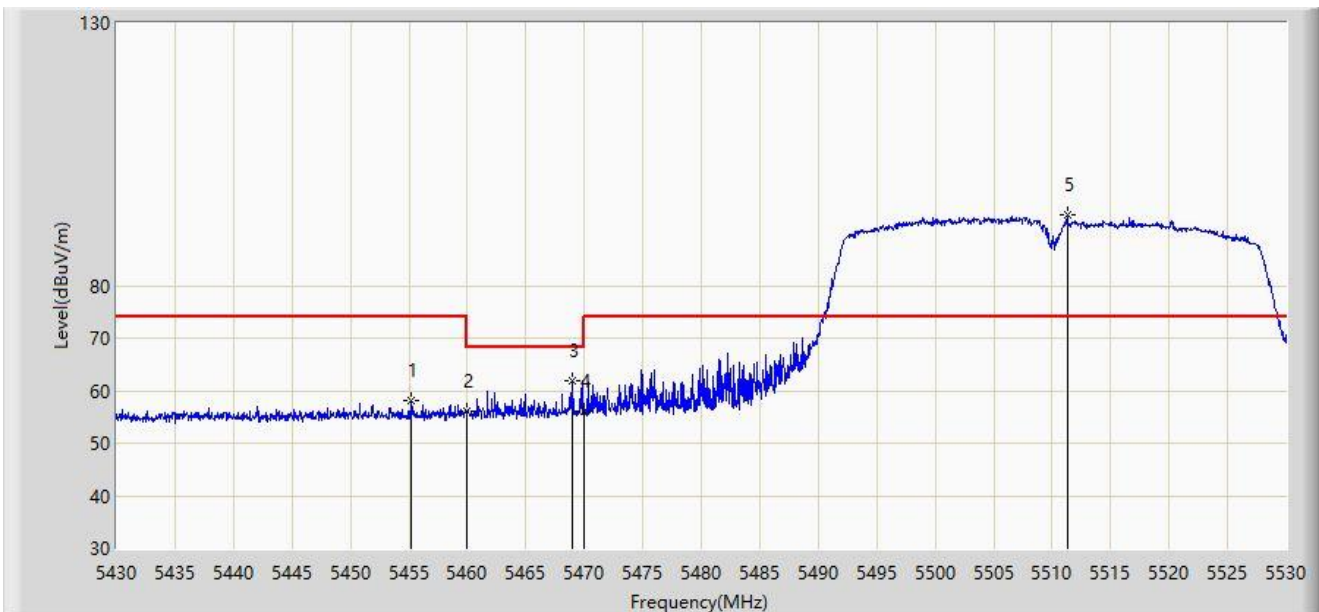


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5313.900	82.659	78.472	N/A	N/A	4.187	AV
2			5350.000	45.479	41.311	-8.521	54.000	4.169	AV
3			5351.700	45.379	41.236	-8.621	54.000	4.143	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 2	

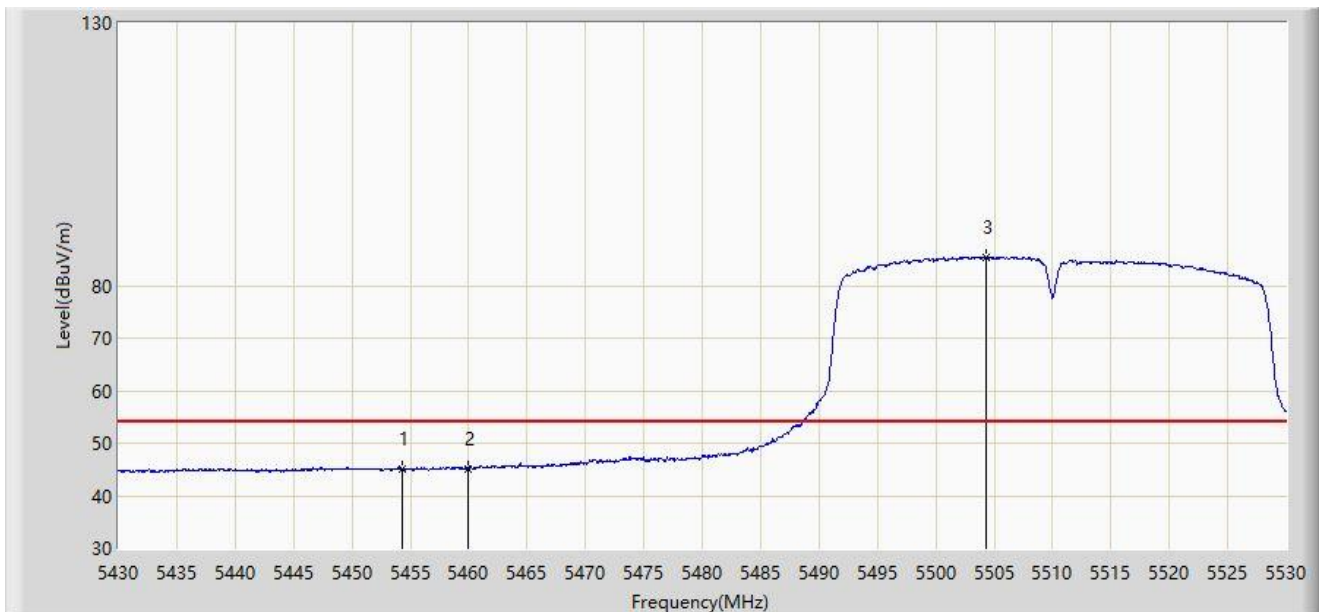


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5455.250	58.223	54.066	-15.777	74.000	4.157	PK
2			5460.000	56.199	52.014	-17.801	74.000	4.186	PK
3			5469.000	61.972	57.772	-6.228	68.200	4.200	PK
4			5470.000	56.002	51.800	-12.198	68.200	4.201	PK
5		*	5511.300	93.430	89.170	N/A	N/A	4.259	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:17
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 2	

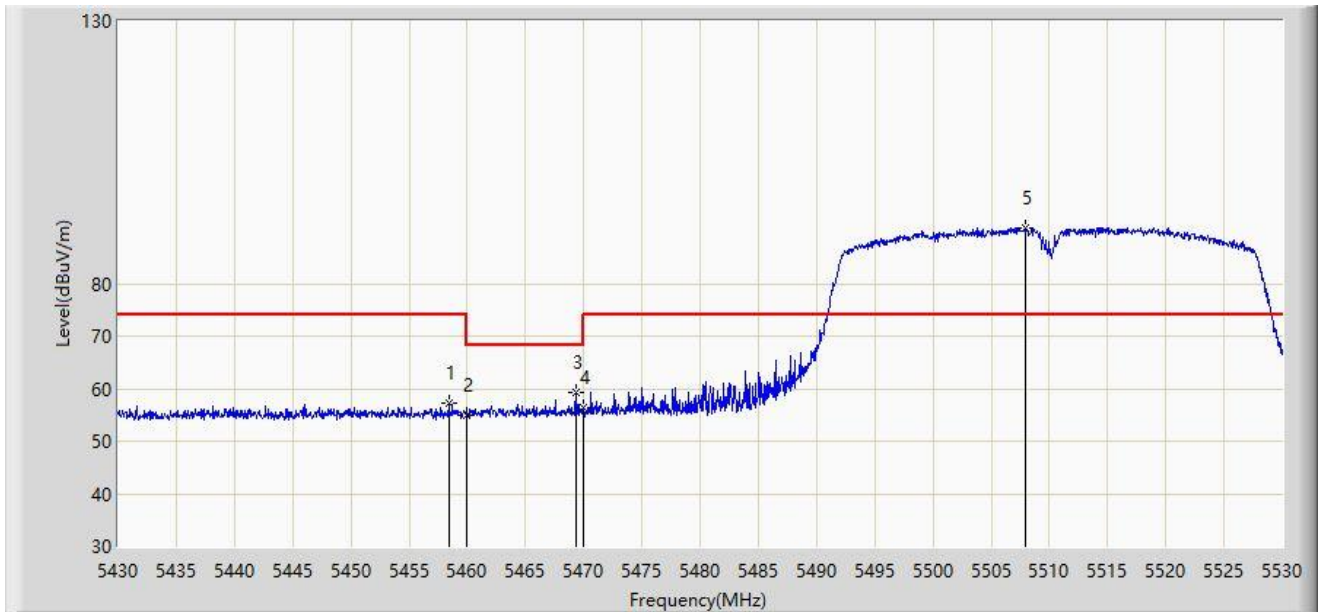


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5454.350	45.105	40.960	-8.895	54.000	4.144	AV
2			5460.000	45.088	40.903	-8.912	54.000	4.186	AV
3		*	5504.300	85.457	81.118	N/A	N/A	4.339	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:20
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 2	

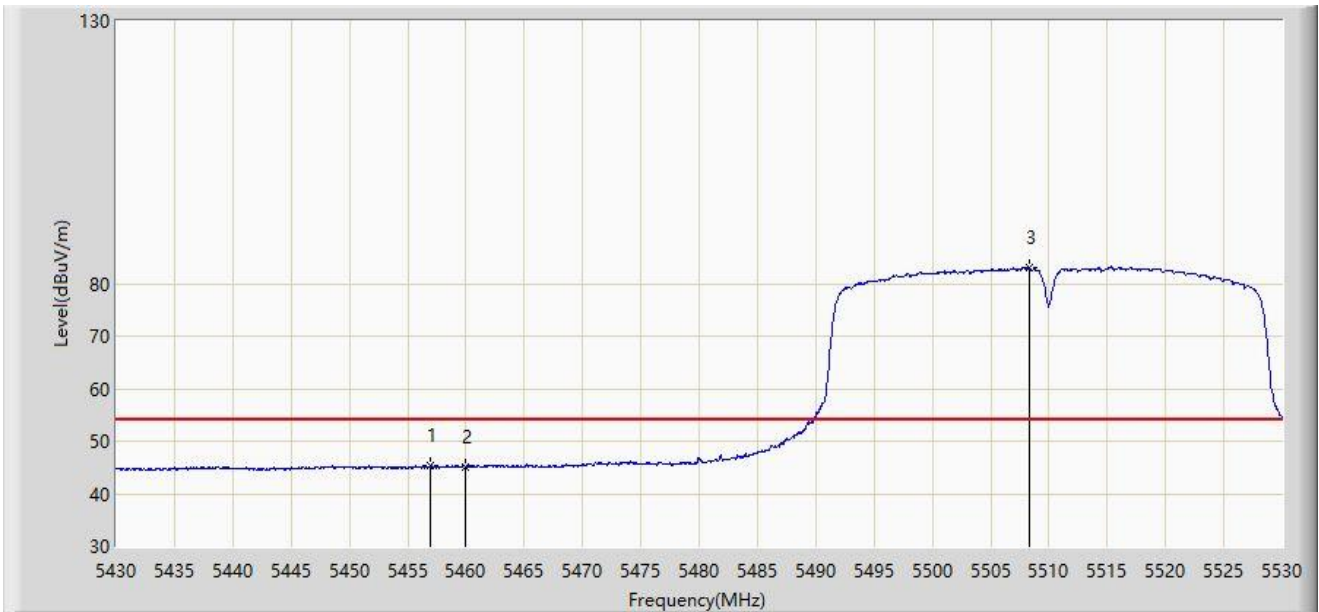


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5458.400	57.191	53.008	-16.809	74.000	4.183	PK
2			5460.000	54.895	50.710	-19.105	74.000	4.186	PK
3			5469.300	59.254	55.053	-8.946	68.200	4.200	PK
4			5470.000	56.466	52.264	-11.734	68.200	4.201	PK
5		*	5507.900	90.633	86.333	N/A	N/A	4.300	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:21
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT40 at channel 5510MHz Antenna 2	

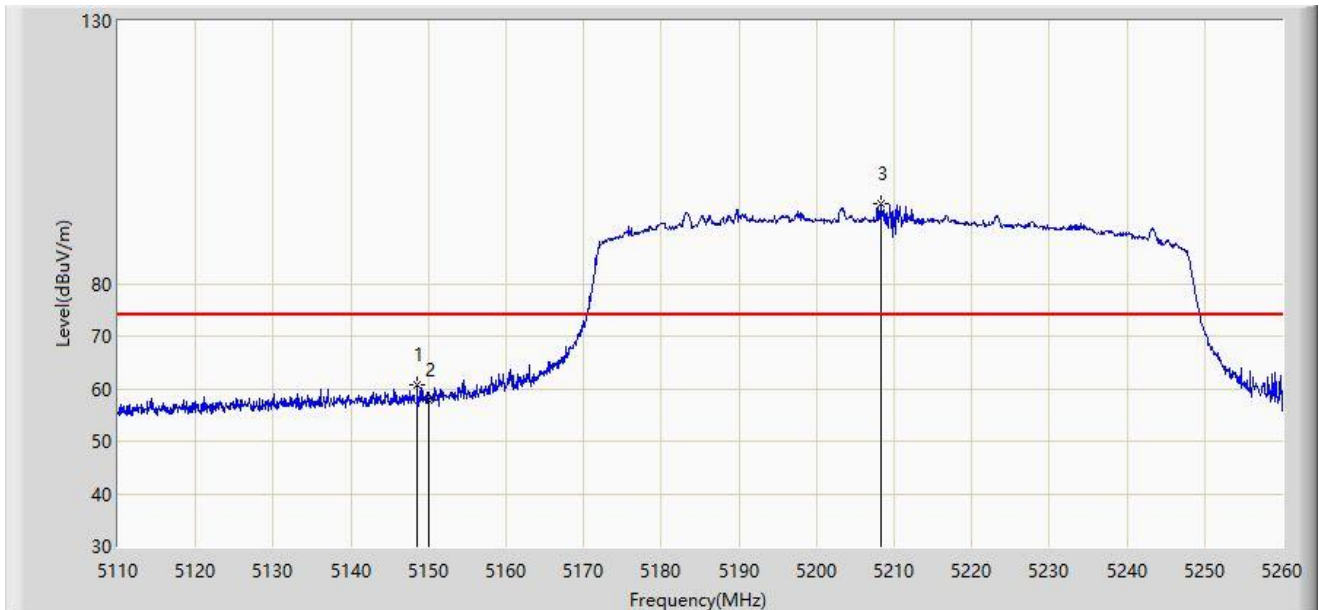


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5457.000	45.443	41.263	-8.557	54.000	4.181	AV
2			5460.000	45.108	40.923	-8.892	54.000	4.186	AV
3		*	5508.350	82.958	78.664	N/A	N/A	4.294	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 14:42
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 2	

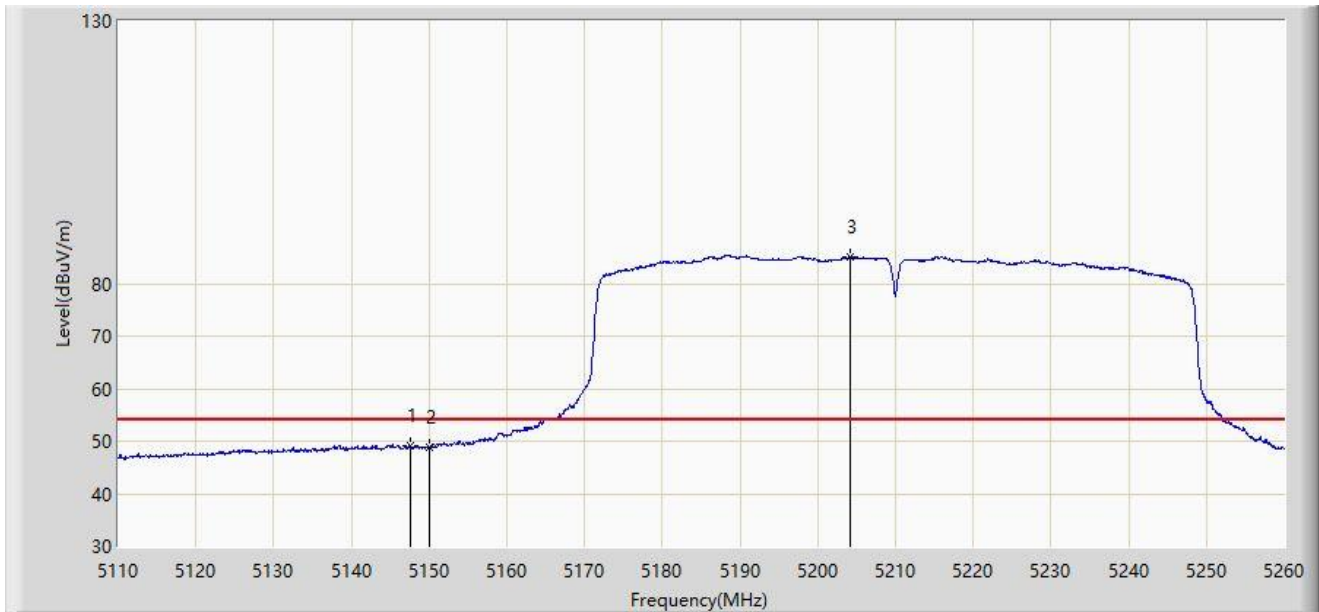


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5148.625	60.722	56.161	-13.278	74.000	4.561	PK
2			5150.000	57.884	53.328	-16.116	74.000	4.556	PK
3		*	5208.250	95.114	90.863	N/A	N/A	4.251	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 14:40
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 2	

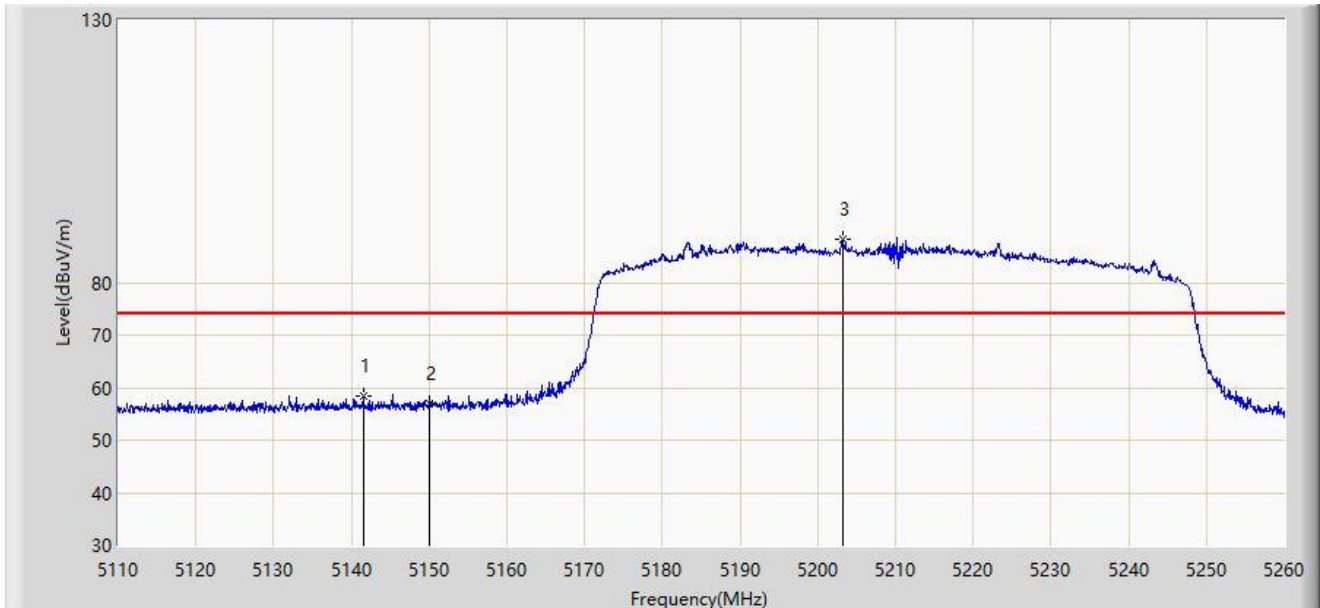


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5147.500	49.248	44.688	-4.752	54.000	4.560	AV
2			5150.000	48.892	44.336	-5.108	54.000	4.556	AV
3		*	5204.200	84.953	80.719	N/A	N/A	4.234	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 14:44
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 2	

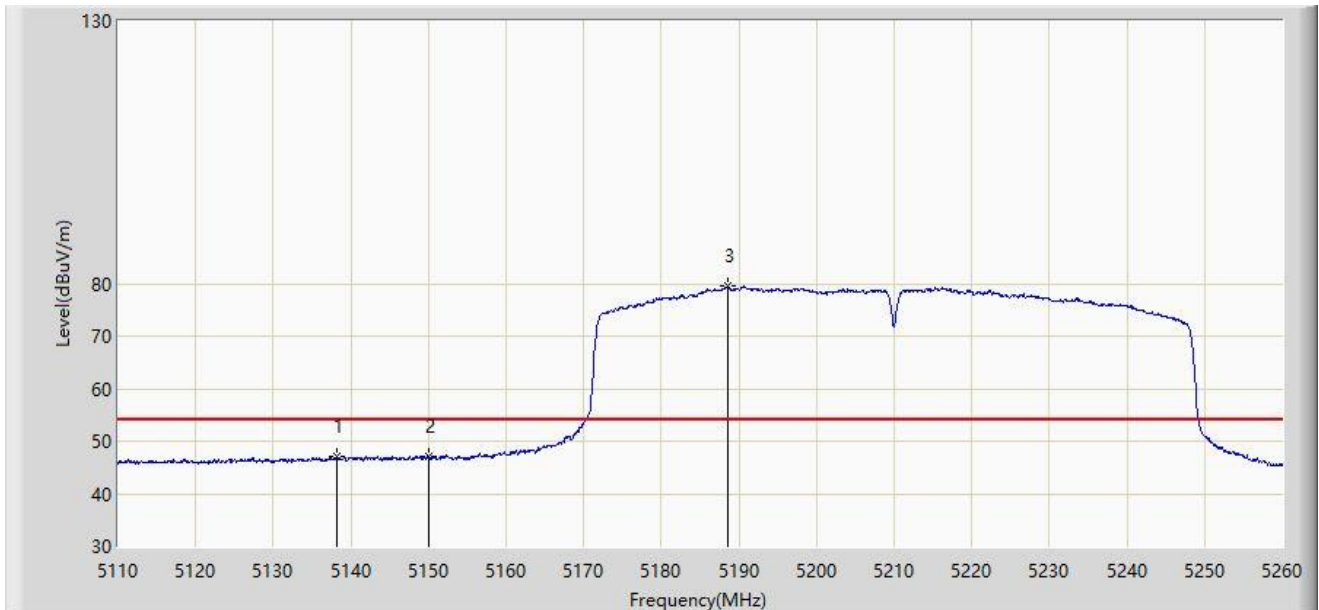


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5141.500	58.357	53.845	-15.643	74.000	4.512	PK
2			5150.000	56.979	52.423	-17.021	74.000	4.556	PK
3		*	5203.225	88.314	84.084	N/A	N/A	4.230	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 14:45
Limit: FCC_Part 15.209_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Antenna 2	

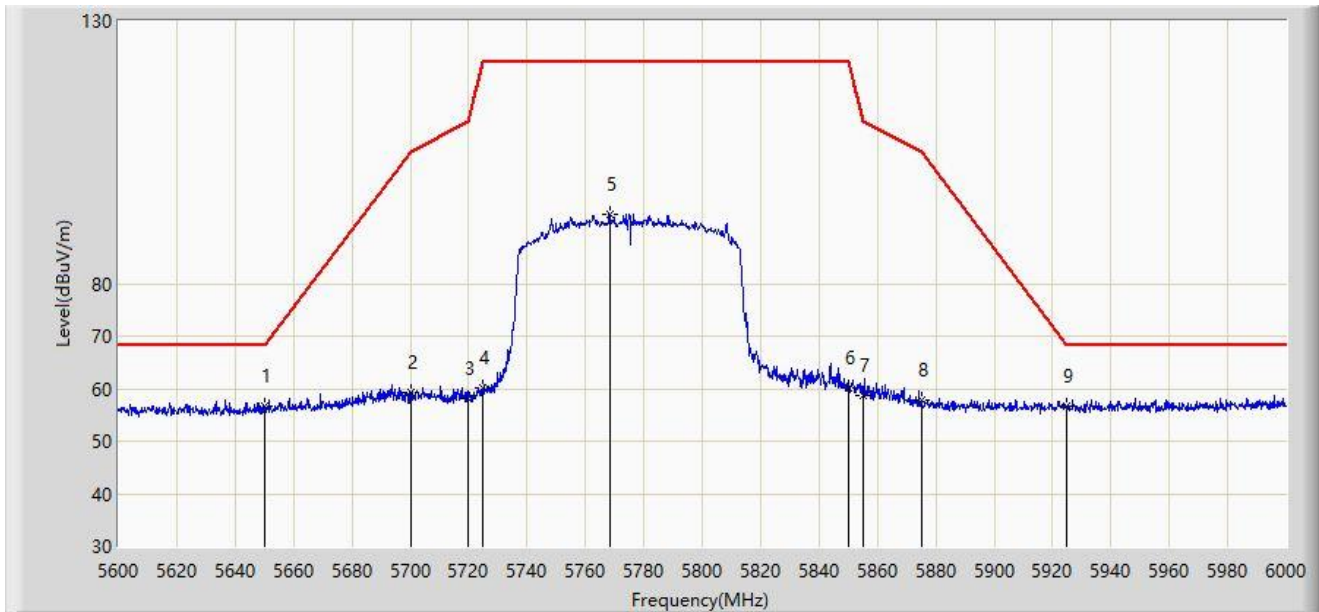


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5138.200	47.066	42.580	-6.934	54.000	4.485	AV
2			5150.000	47.138	42.582	-6.862	54.000	4.556	AV
3		*	5188.525	79.679	75.410	N/A	N/A	4.270	AV

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:39
Limit: FCC_Part 15.407_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Antenna 2	

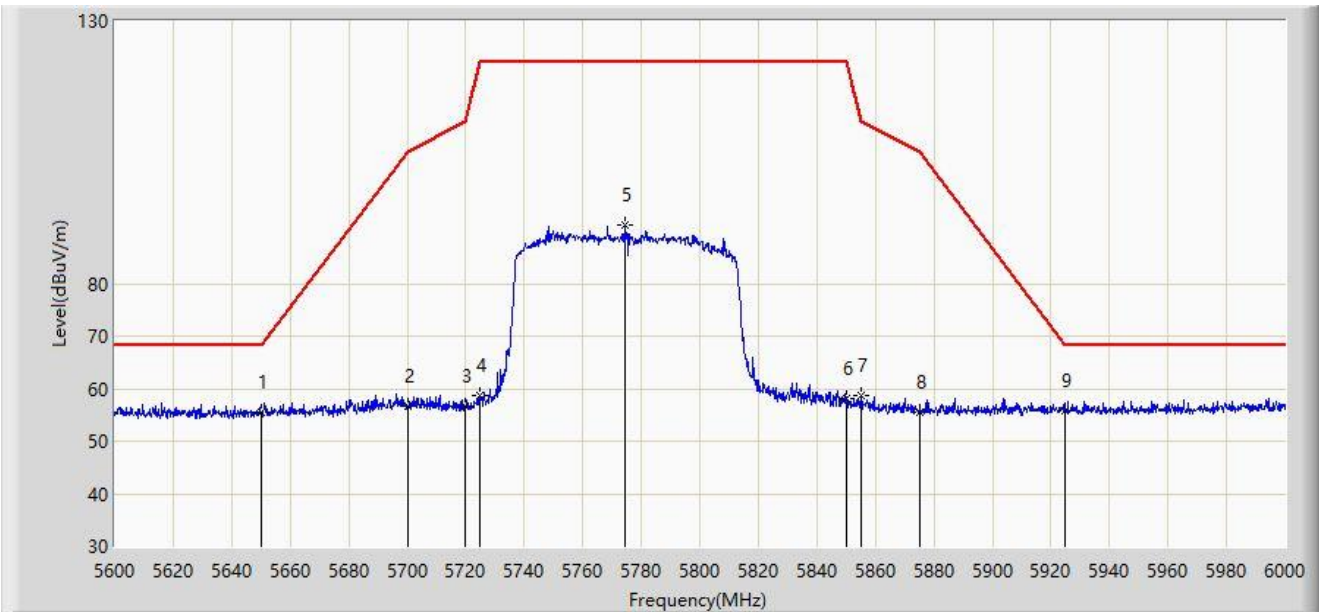


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5650.000	56.522	51.955	-11.678	68.200	4.567	PK
2			5700.000	59.402	54.784	-45.798	105.200	4.618	PK
3			5720.000	58.138	53.452	-52.662	110.800	4.687	PK
4			5725.000	60.006	55.286	-62.194	122.200	4.720	PK
5			5768.400	93.295	88.318	N/A	N/A	4.977	PK
6			5850.000	60.059	54.782	-62.141	122.200	5.277	PK
7			5855.000	58.807	53.567	-51.993	110.800	5.240	PK
8			5875.000	57.781	52.641	-47.419	105.200	5.141	PK
9		*	5925.000	56.583	51.118	-11.617	68.200	5.465	PK

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

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

Site: WZ-AC1	Time: 2022/04/27 - 13:42
Limit: FCC_Part 15.407_RE(3m)	Engineer: Carl Jiang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Thermal Printer	Power: By Battery
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Antenna 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5650.000	55.488	50.921	-12.712	68.200	4.567	PK
2			5700.000	56.636	52.018	-48.564	105.200	4.618	PK
3			5720.000	56.657	51.971	-54.143	110.800	4.687	PK
4			5725.000	58.611	53.891	-63.589	122.200	4.720	PK
5			5774.200	91.025	86.084	N/A	N/A	4.941	PK
6			5850.000	58.168	52.891	-64.032	122.200	5.277	PK
7			5855.000	58.781	53.541	-52.019	110.800	5.240	PK
8			5875.000	55.571	50.431	-49.629	105.200	5.141	PK
9		*	5925.000	55.813	50.348	-12.387	68.200	5.465	PK

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

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

Appendix B – Test Setup Photograph

Refer to “2203RSU031-UT” file.

Appendix C – EUT Photograph

Refer to “2203RSU031-UE” file.

The End
