

RF MEASUREMENT REPORT

FCC ID: Q9DAPIN0635A

Applicant: Hewlett Packard Enterprise Company

Product: ACCESS POINT

Model No.: APIN0635A

Trademark: , 

FCC Classification: Unlicensed National Information Infrastructure (NII)

FCC Rule Part(s): Part 15 Subpart E (Section 15.407)

Result: Complies

Received Date: 2024-11-14

Test Date: 2024-12-05 ~ 2025-01-24

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
2411RSU027-U4	V01	Initial Report	2025-01-24	Valid

Note 1: The APIN0635A is a variation on the existing APIN0635. The APIN0635 is currently FCC certified under FCC ID: Q9DAPIN0635.

The APIN0635A differs from the APIN0635 in the following ways:

Part substitution for 5G and 6G passive filter

Note 2: Some spot check was done and all other test data were referenced from the original report.

Test Description	Remark
26dB Bandwidth	Spot Check
6dB Bandwidth	Spot Check
Maximum Conducted Output Power	Full Test
Frequency Stability	Spot Check
Peak Power Spectral Density	Spot Check
Dynamic Frequency Selection (DFS)	Spot Check
Undesirable Emissions	Spot Check
General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Spot Check
AC Conducted Emissions 150kHz - 30MHz	Full Test

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1. General Information

1.1. Applicant

Hewlett Packard Enterprise Company
6280 America Center Drive, San Jose CA 95002, United States

1.2. Manufacturer

Hewlett Packard Enterprise Company
6280 America Center Drive, San Jose CA 95002, 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 Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0635A
Serial No.	CNSXMLT01P
Software Version	BCM4711A0_11_02_2023
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.0 single mode, BLE only
ZigBee Specification	802.15.4
Antenna Information	Refer to Section 1.7
Power Type	AC Adapter or PoE input
Operating Environment	Indoor Use
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/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz	
Type of Modulation	802.11a/n/ac: OFDM 802.11ax: OFDMA	
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps 802.11ax: up to 1201Mbps	
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20/ax-HE20

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

802.11n-HT40/ac-VHT40/ax-HE40

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
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80/ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

1.7. Antenna Details

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)		BF Directional Gain (dBi)
			For Power	For PSD	
Wi-Fi Internal Antenna (2*2 MIMO)					
PIFA	2.4 ~ 2.5	2.90	2.90	5.91	5.91
	5.15 ~ 5.9	4.90	4.90	7.91	7.91
	5.9 ~ 7.2	4.30	4.30	4.30	4.30
Bluetooth / ZigBee Internal Antenna					
PIFA	2.4 ~ 2.5	3.0			

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,

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

- The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g. Directional gain = $G_{ANT} + \text{BF Gain}$. BF mode power setting will be less than or equal to CDD power setting.
- Wi-Fi 6E band antennas are cross polarized, the detail refer to antenna specification.
- All antenna information is provided by the manufacturer, test laboratory will not be responsible if any error.

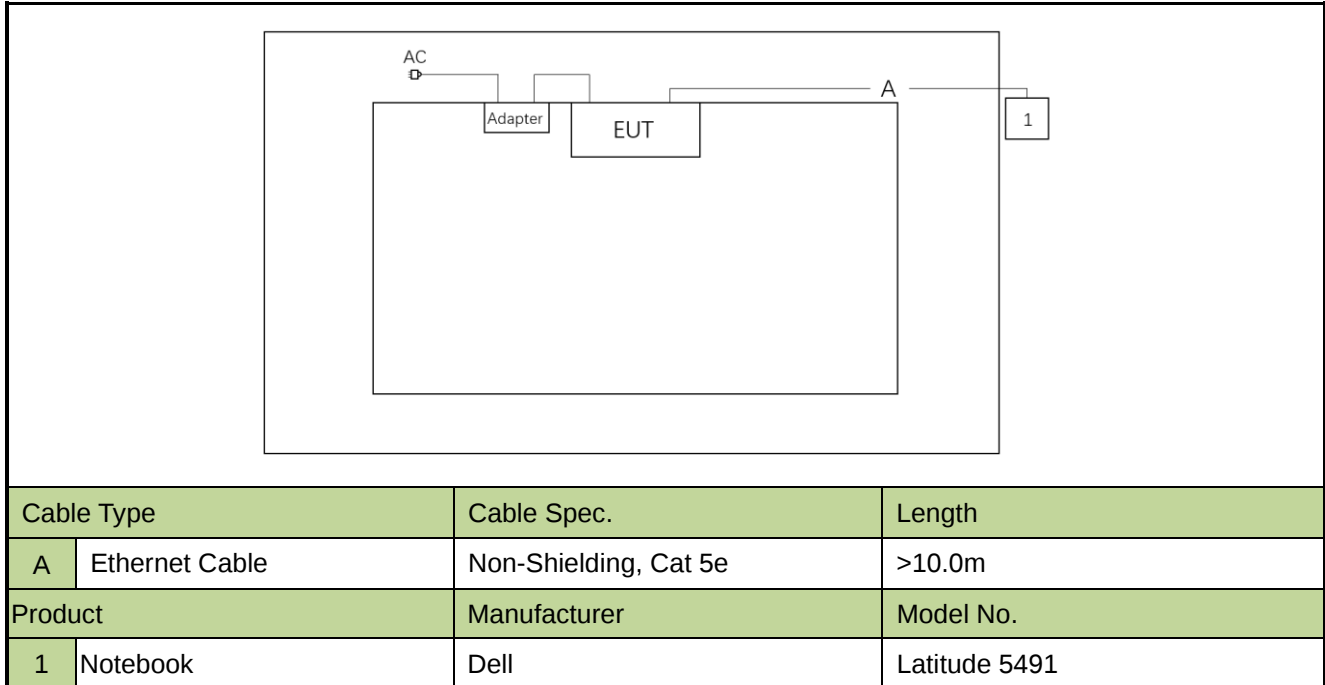
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11ac-VHT20_Nss=1 (MCS0)
Mode 3: Transmit by 802.11ac-VHT40_Nss=1 (MCS0)
Mode 4: Transmit by 802.11ac-VHT80_Nss=1 (MCS0)
Mode 5: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 6: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 7: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Note: 1. For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 2. 802.11n and 802.11ac have same modulation type and same power value, so we only show 802.11ac test data in report. 3. For CDD mode, this device supports 2 Nss and power level is the same of spatial multiplexing. The worst case is Nss=1. 4. For beamforming operation, manufacturer automatically backs power down based on CDD power. Therefore, only the CDD mode was evaluated in this report.

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 and AC line conducted testing.



2.3. Test Software

The test utility software used during testing was “QSPR”, and the version was 5.0-0019.

Note: Final power setting please refer to operational description.

2.4. Applied Standards

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

- FCC Part 15.407
- KDB 789033 D02v02r01
- KDB 662911 D01v02r01
- ANSI C63.10-2013

2.5. Test Environment Condition

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

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

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

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

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2025-05-06	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2025-04-18	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2025-11-03	WZ-AC1
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2025-01-11	WZ-AC1
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2025-11-19	WZ-AC1
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2025-12-05	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2025-05-15	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2025-04-19	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2025-10-13	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2025-10-16	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2025-05-12	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2025-05-08	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11092	1 year	2025-06-05	WZ-SR5
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2025-06-03	WZ-SR5
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2025-05-12	WZ-SR2
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2025-09-05	WZ-SR2
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2025-09-02	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE11268	1 year	2025-12-10	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-TR3

Software	Version	Function
e3	230711	EMI Test Software
Controller_MF 7802	1.02	RE Antenna & Turntable
Controller_MF 7802	2.03C	RE Antenna & Turntable
BenchVue Power Meter	2018.1	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

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

5.2. Measurement Uncertainty

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

AC Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.02dB 150kHz~30MHz: 2.56dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.35dB Coplanar: 9kHz~30MHz: 2.37dB Horizontal: 30MHz~200MHz: 3.46dB 200MHz~1GHz: 3.78dB 1GHz~40GHz: 4.97dB Vertical: 30MHz~200MHz: 4.07dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.78dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.5dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.3dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.5dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.6%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)	26dB Bandwidth	Conducted	Pass
15.407(e)	6dB Bandwidth		Pass
15.407(a)(1)(ii), (2), (3)(i)	Maximum Conducted Output Power		Pass
15.407(h)(1)	Transmit Power Control		Pass
15.407(g)	Frequency Stability		Pass
15.407(a)(1)(ii), (2), (3)(i), (13)	Peak Power Spectral Density		Pass
15.407(h)(2)	Dynamic Frequency Selection (DFS)		Pass Remark 3
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	Radiated	Pass
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)		Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Remark:

- The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.
- 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.
- DFS report refers to 2411RSU027-U7.

6.2. 26dB & 99% Bandwidth Measurement

6.2.1. Test Limit

N/A

6.2.2. Test Procedure

KDB 789033 D02v02r01- Section II)C)1) (26dB Bandwidth)

KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

6.2.3. Test Setting

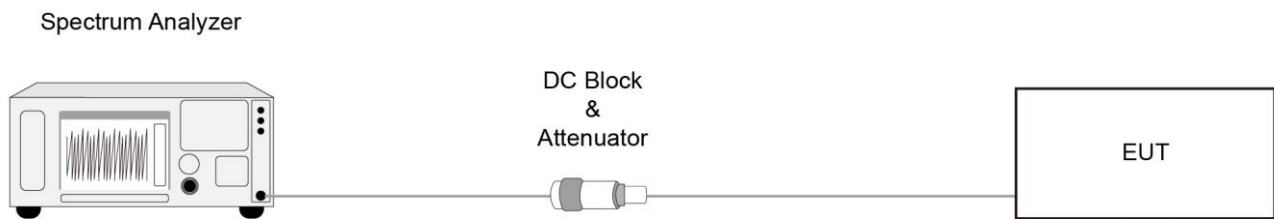
26dB Bandwidth

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth
2. RBW = approximately 1% of the emission bandwidth.
3. VBW > RBW
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 1% to 5% of the OBW
3. $VBW \geq 3 \times RBW$
4. Span = 1.5 times to 5 times the OBW
5. Detector = peak
6. Trace mode = max hold
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument.

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.2.

6.3. 6dB Bandwidth Measurement

6.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

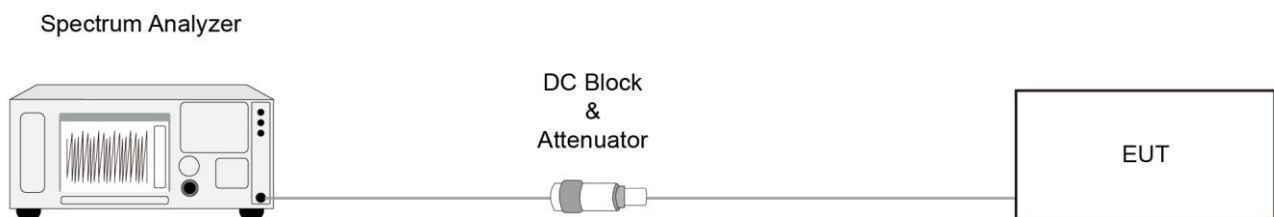
6.3.2. Test Procedure

KDB 789033 D02v02r01- Section II)C)2)

6.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Output Power Measurement

6.4.1. Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W 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.

6.4.2. Test Procedure

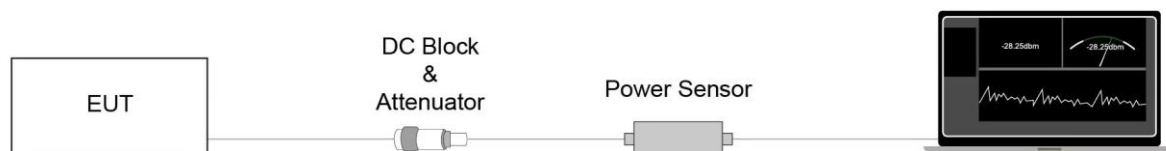
KDB 789033D02v02r01- Section II(E)3)b) Method PM-G

6.4.3. Test Setting

Average Power Measurement

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

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Transmit Power Control Measurement

6.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

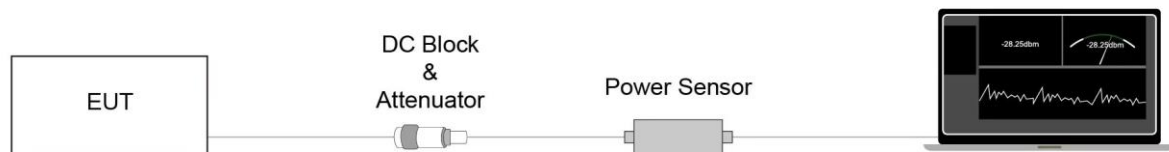
6.5.2. Test Procedure

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

6.5.3. Test Setting

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. The trace was averaged over 100 traces to obtain the final measured average power.

6.5.4. Test Setup



6.5.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

6.6. Power Spectral Density Measurement

6.6.1. Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

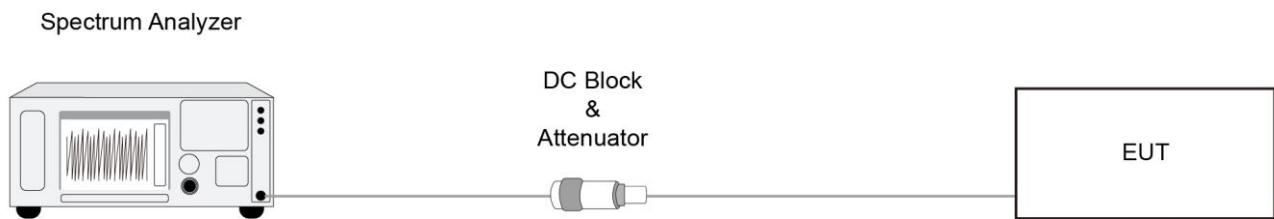
6.6.2. Test Procedure

KDB 789033 D02v02r01-Section II)F)

6.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz (510kHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz)
4. VBW = $3 \times \text{RBW}$
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
11. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6 \text{ dB}$ if the duty cycle is 25 percent.

6.6.4. Test Setup



6.6.5. Test Result

Refer to Appendix A.5.

6.7. Frequency Stability Measurement

6.7.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

6.7.2. Test Procedure

Frequency Stability Under Temperature Variations:

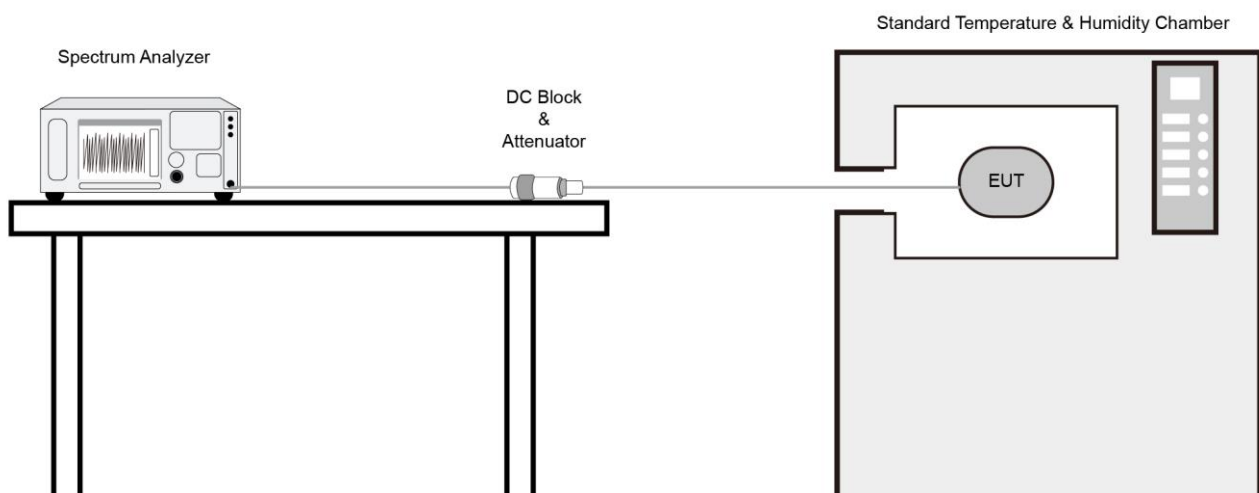
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

6.7.3. Test Setup



6.7.4. Test Result

Refer to Appendix A.6.

6.8. Radiated Spurious Emission Measurement

6.8.1. 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 [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.8.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.8.3. 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 = 10Hz

If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration

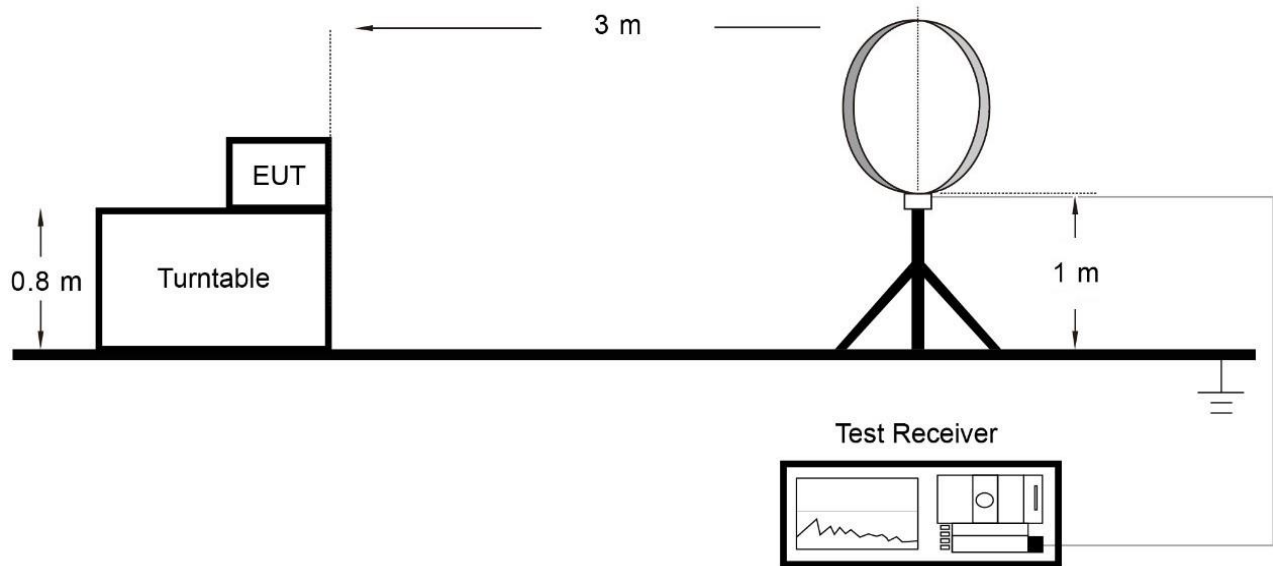
802.11a	VBW = 750Hz	802.11ax-HE20	VBW = 200Hz
802.11ac-VHT20	VBW = 100Hz	802.11ax-HE40	VBW = 200Hz
802.11ac-VHT40	VBW = 200Hz	802.11ax-HE80	VBW = 200Hz
802.11ac-VHT80	VBW = 200Hz	--	--

4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold

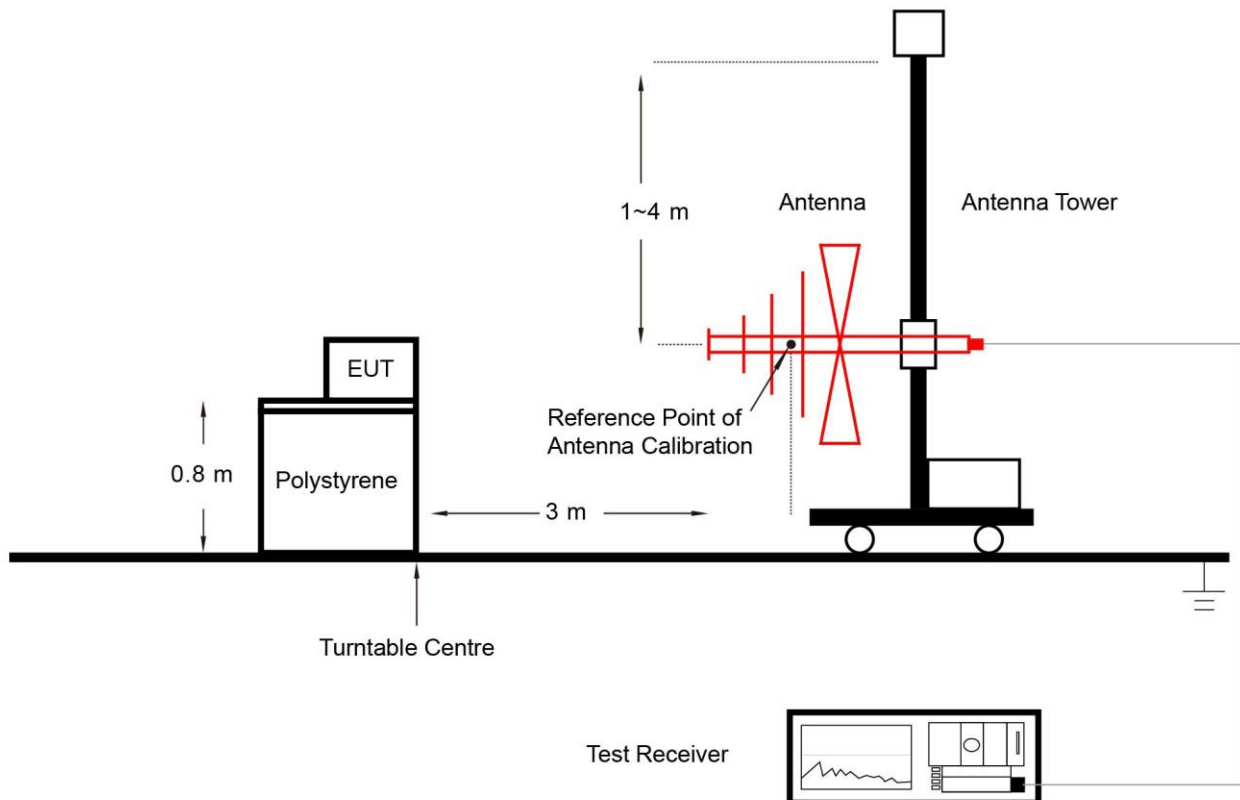
8. Trace was allowed to stabilize

6.8.4. Test Setup

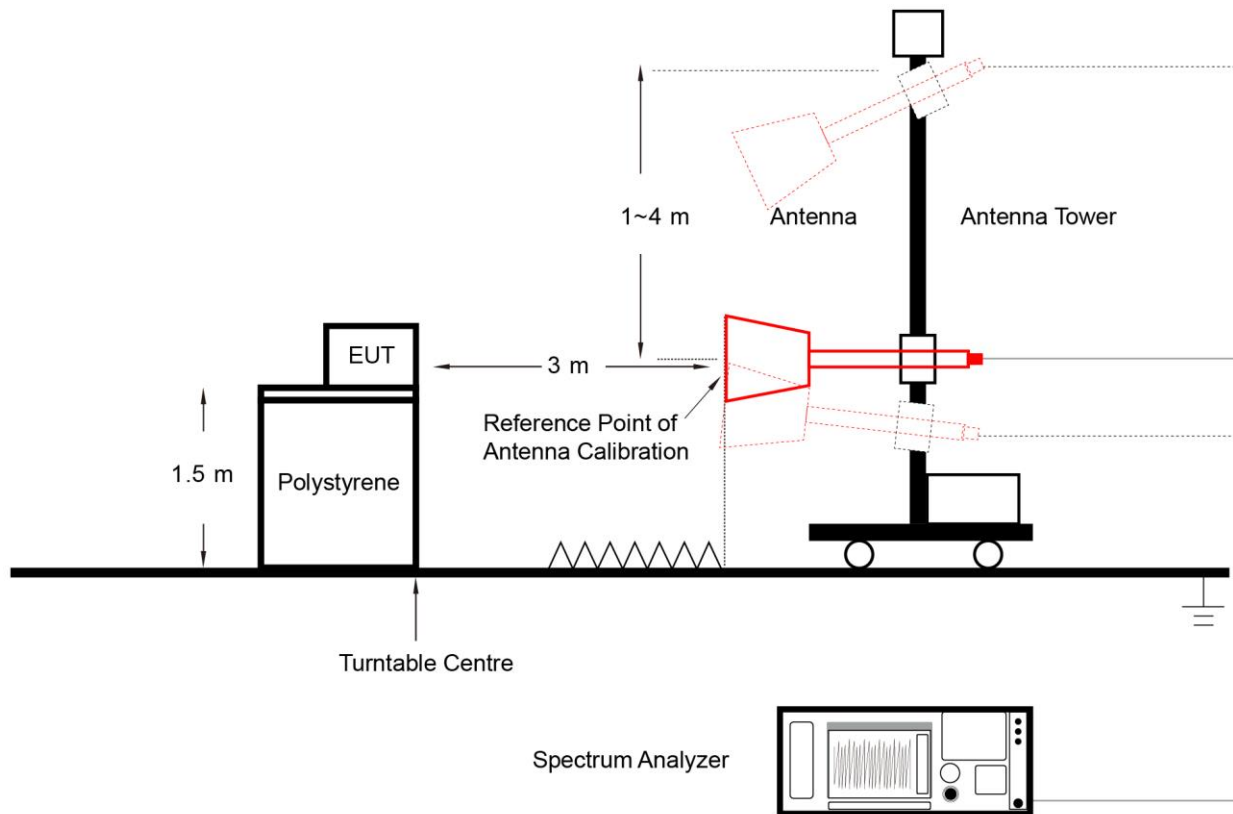
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.8.5. Test Result

Refer to Appendix A.7.

6.9. Radiated Restricted Band Edge Measurement

6.9.1. 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
2.1635 - 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

6.9.2. Test Procedure

KDB 789033 D02v02r01- Section II)G)

6.9.3. Test Setting

Peak Field Strength Measurements

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

Average Field Strength Measurements

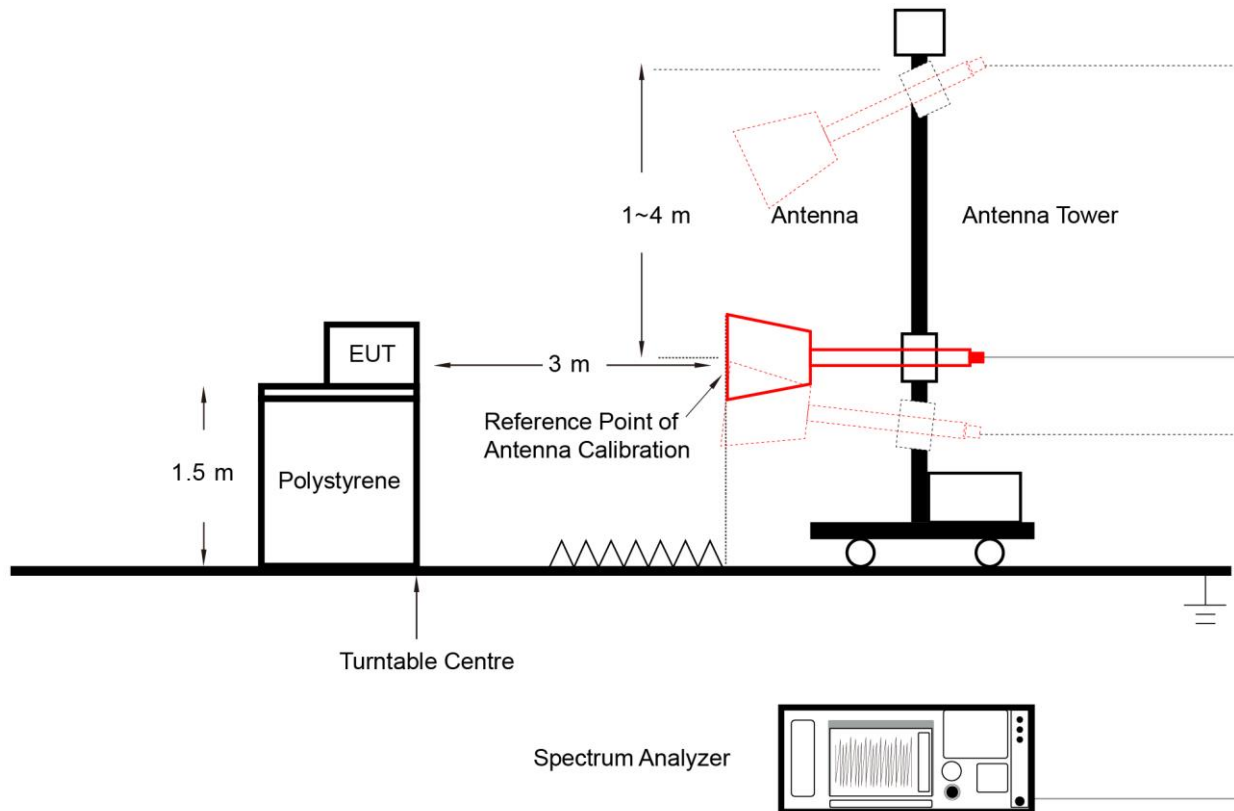
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.

802.11a	VBW = 750Hz	802.11ax-HE20	VBW = 200Hz
802.11ac-VHT20	VBW = 100Hz	802.11ax-HE40	VBW = 200Hz
802.11ac-VHT40	VBW = 200Hz	802.11ax-HE80	VBW = 200Hz
802.11ac-VHT80	VBW = 200Hz	--	--

4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.9.4. Test Setup



6.9.5. Test Result

Refer to Appendix A.8.

6.10. AC Conducted Emissions Measurement

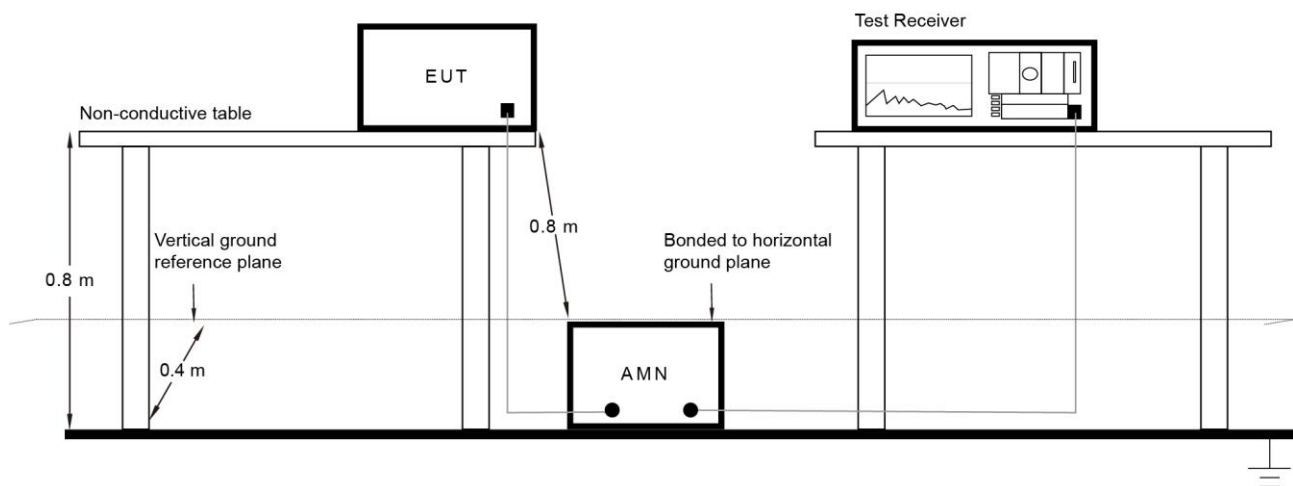
6.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.10.2. Test Setup



6.10.3. Test Result

Refer to Appendix A.9.

Appendix A – Test Result

A.1 Duty Cycle Test Result

Refer to MRT report No. 2101TW0003-U4 clause 2.8

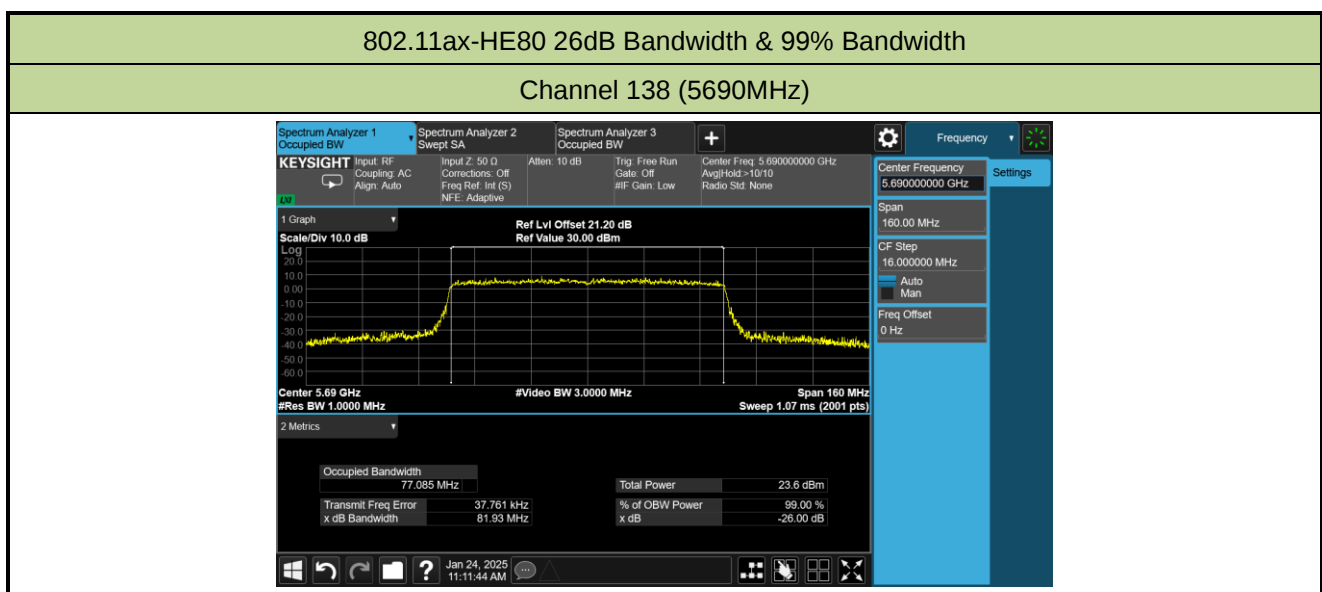
A.2 26dB Bandwidth Test Result

Refer to MRT report No. 2101TW0003-U4 clause 7.2.5

Spot Check:

Test Site	WZ-SR5	Test Engineer	Jeff Yang
Test Date	2025-01-24		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE80	MCS0	138	5690	81.93	77.085



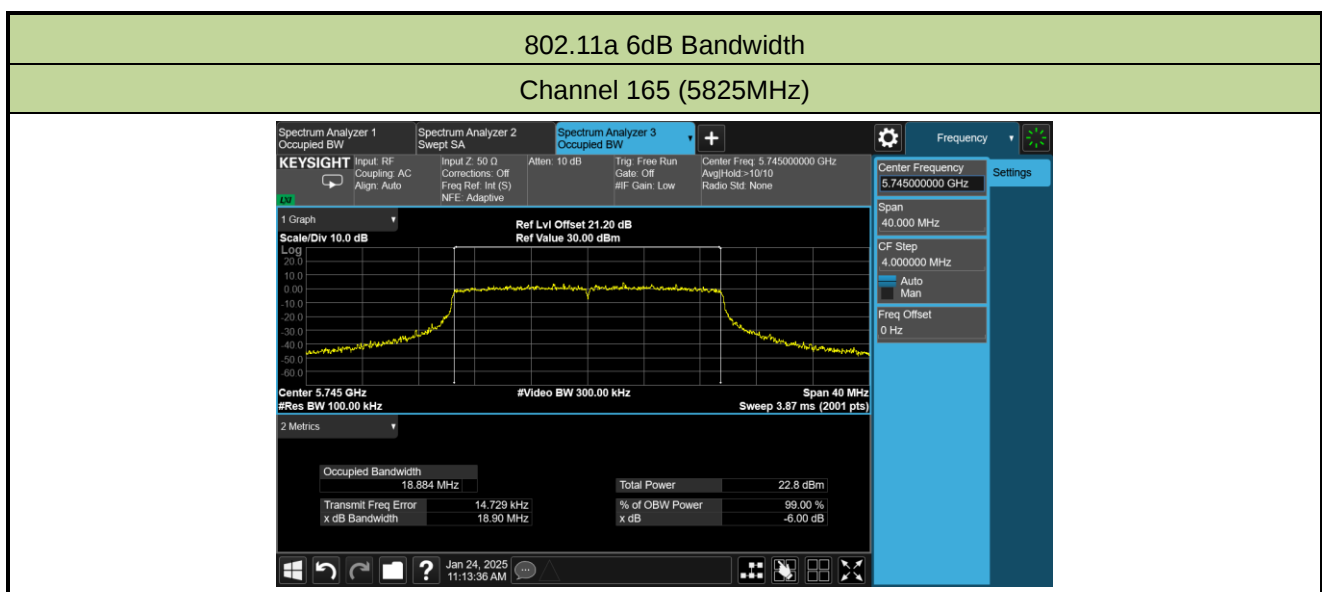
A.3 6dB Bandwidth Test Result

Refer to MRT report No. 2101TW0003-U4 clause 7.3.5

Spot Check:

Test Site	WZ-SR5	Test Engineer	Jeff Yang
Test Date	2025-01-24		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11ax-HE20	6Mbps	149	5745	18.90	≥0.5



A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Jeff Yang
Test Date	2024-12-05		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	17.92	17.90	20.92	≤ 30.00
11a	6Mbps	44	5220	18.40	18.67	21.55	≤ 30.00
11a	6Mbps	48	5240	18.22	18.57	21.41	≤ 30.00
11a	6Mbps	52	5260	16.28	16.33	19.32	≤ 23.69
11a	6Mbps	60	5300	16.02	16.27	19.16	≤ 23.69
11a	6Mbps	64	5320	16.39	16.58	19.50	≤ 23.69
11a	6Mbps	100	5500	16.39	16.57	19.49	≤ 23.69
11a	6Mbps	116	5580	16.52	16.34	19.44	≤ 23.69
11a	6Mbps	140	5700	16.06	16.58	19.34	≤ 23.69
11a	6Mbps	144	5720	15.81	15.89	18.86	≤ 22.63 Note 2 & Note 3
11a	6Mbps	149	5745	17.99	17.84	20.93	≤ 30.00
11a	6Mbps	157	5785	17.69	17.93	20.82	≤ 30.00
11a	6Mbps	165	5825	17.43	17.36	20.41	≤ 30.00
11ac-VHT20	MCS0	36	5180	17.88	17.87	20.89	≤ 30.00
11ac-VHT20	MCS0	44	5220	18.37	18.51	21.45	≤ 30.00
11ac-VHT20	MCS0	48	5240	17.88	18.02	20.96	≤ 30.00
11ac-VHT20	MCS0	52	5260	16.22	16.32	19.28	≤ 23.98
11ac-VHT20	MCS0	60	5300	16.03	16.27	19.16	≤ 23.98
11ac-VHT20	MCS0	64	5320	16.43	16.53	19.49	≤ 23.98
11ac-VHT20	MCS0	100	5500	16.47	16.49	19.49	≤ 23.98
11ac-VHT20	MCS0	116	5580	16.54	16.26	19.41	≤ 23.98
11ac-VHT20	MCS0	140	5700	16.03	16.52	19.29	≤ 23.98
11ac-VHT20	MCS0	144	5720	16.22	16.34	19.29	≤ 22.82 Note 2 & Note 3
11ac-VHT20	MCS0	149	5745	17.84	17.83	20.85	≤ 30.00
11ac-VHT20	MCS0	157	5785	17.65	17.90	20.79	≤ 30.00
11ac-VHT20	MCS0	165	5825	17.37	17.41	20.40	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11ac-VHT40	MCS0	38	5190	17.07	17.11	20.10	≤ 30.00
11ac-VHT40	MCS0	46	5230	17.60	17.74	20.68	≤ 30.00
11ac-VHT40	MCS0	54	5270	17.18	17.42	20.31	≤ 23.98
11ac-VHT40	MCS0	62	5310	17.47	17.57	20.53	≤ 23.98
11ac-VHT40	MCS0	102	5510	16.41	16.53	19.48	≤ 23.98
11ac-VHT40	MCS0	110	5550	17.88	17.62	20.76	≤ 23.98
11ac-VHT40	MCS0	134	5670	17.47	17.52	20.51	≤ 23.98
11ac-VHT40	MCS0	142	5710	17.56	17.76	20.67	≤ 23.98 ^{Note 2 & Note 3}
11ac-VHT40	MCS0	151	5755	17.39	17.55	20.48	≤ 30.00
11ac-VHT40	MCS0	159	5795	17.38	17.59	20.50	≤ 30.00
11ac-VHT80	MCS0	42	5210	16.46	16.58	19.53	≤ 30.00
11ac-VHT80	MCS0	58	5290	16.42	16.60	19.52	≤ 23.98
11ac-VHT80	MCS0	106	5530	14.98	14.77	17.89	≤ 23.98
11ac-VHT80	MCS0	122	5610	16.88	16.57	19.74	≤ 23.98
11ac-VHT80	MCS0	138	5690	16.49	17.22	19.88	≤ 23.98 ^{Note 2 & Note 3}
11ac-VHT80	MCS0	155	5775	16.21	16.24	19.24	≤ 30.00
11ax-HE20	MCS0	36	5180	17.79	17.88	20.85	≤ 30.00
11ax-HE20	MCS0	44	5220	18.28	18.47	21.39	≤ 30.00
11ax-HE20	MCS0	48	5240	17.77	17.94	20.87	≤ 30.00
11ax-HE20	MCS0	52	5260	16.54	16.74	19.65	≤ 23.98
11ax-HE20	MCS0	60	5300	16.38	16.77	19.59	≤ 23.98
11ax-HE20	MCS0	64	5320	16.33	16.44	19.40	≤ 23.98
11ax-HE20	MCS0	100	5500	16.25	16.48	19.38	≤ 23.98
11ax-HE20	MCS0	116	5580	16.74	16.52	19.64	≤ 23.98
11ax-HE20	MCS0	140	5700	16.44	16.81	19.64	≤ 23.98
11ax-HE20	MCS0	144	5720	16.11	16.29	19.21	≤ 22.85 ^{Note 2 & Note 3}
11ax-HE20	MCS0	149	5745	17.73	17.76	20.76	≤ 30.00
11ax-HE20	MCS0	157	5785	17.51	17.83	20.68	≤ 30.00
11ax-HE20	MCS0	165	5825	17.17	17.41	20.30	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11ax-HE40	MCS0	38	5190	16.83	16.98	19.92	≤ 30.00
11ax-HE40	MCS0	46	5230	17.39	17.62	20.52	≤ 30.00
11ax-HE40	MCS0	54	5270	17.01	17.35	20.19	≤ 23.98
11ax-HE40	MCS0	62	5310	16.65	17.21	19.95	≤ 23.98
11ax-HE40	MCS0	102	5510	13.93	14.00	16.98	≤ 23.98
11ax-HE40	MCS0	110	5550	17.74	17.54	20.65	≤ 23.98
11ax-HE40	MCS0	134	5670	15.83	15.92	18.89	≤ 23.98
11ax-HE40	MCS0	142	5710	16.93	17.23	20.09	≤ 23.98 Note 2 & Note 3
11ax-HE40	MCS0	151	5755	17.33	17.42	20.39	≤ 30.00
11ax-HE40	MCS0	159	5795	17.25	17.48	20.38	≤ 30.00
11ax-HE80	MCS0	42	5210	16.39	16.67	19.54	≤ 30.00
11ax-HE80	MCS0	58	5290	15.10	15.25	18.19	≤ 23.98
11ax-HE80	MCS0	106	5530	14.98	14.87	17.94	≤ 23.98
11ax-HE80	MCS0	122	5610	16.90	16.68	19.80	≤ 23.98
11ax-HE80	MCS0	138	5690	17.09	17.88	20.51	≤ 23.98 Note 2 & Note 3
11ax-HE80	MCS0	155	5775	15.67	15.85	18.77	≤ 30.00

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$ (dBm).

Note 2: Average Power Limit = 23.98dBm or $11 + 10 \cdot \log_{10} \text{EBW}_{2C}$ which is less.

Note 3: This is a straddle channel that spans bands NII-2C and NII-3, the total power of the channel complies with the limit of NII-2C which is the more stringent limit of NII-2C and NII-3.

A.5 Power Spectral Density Test Result

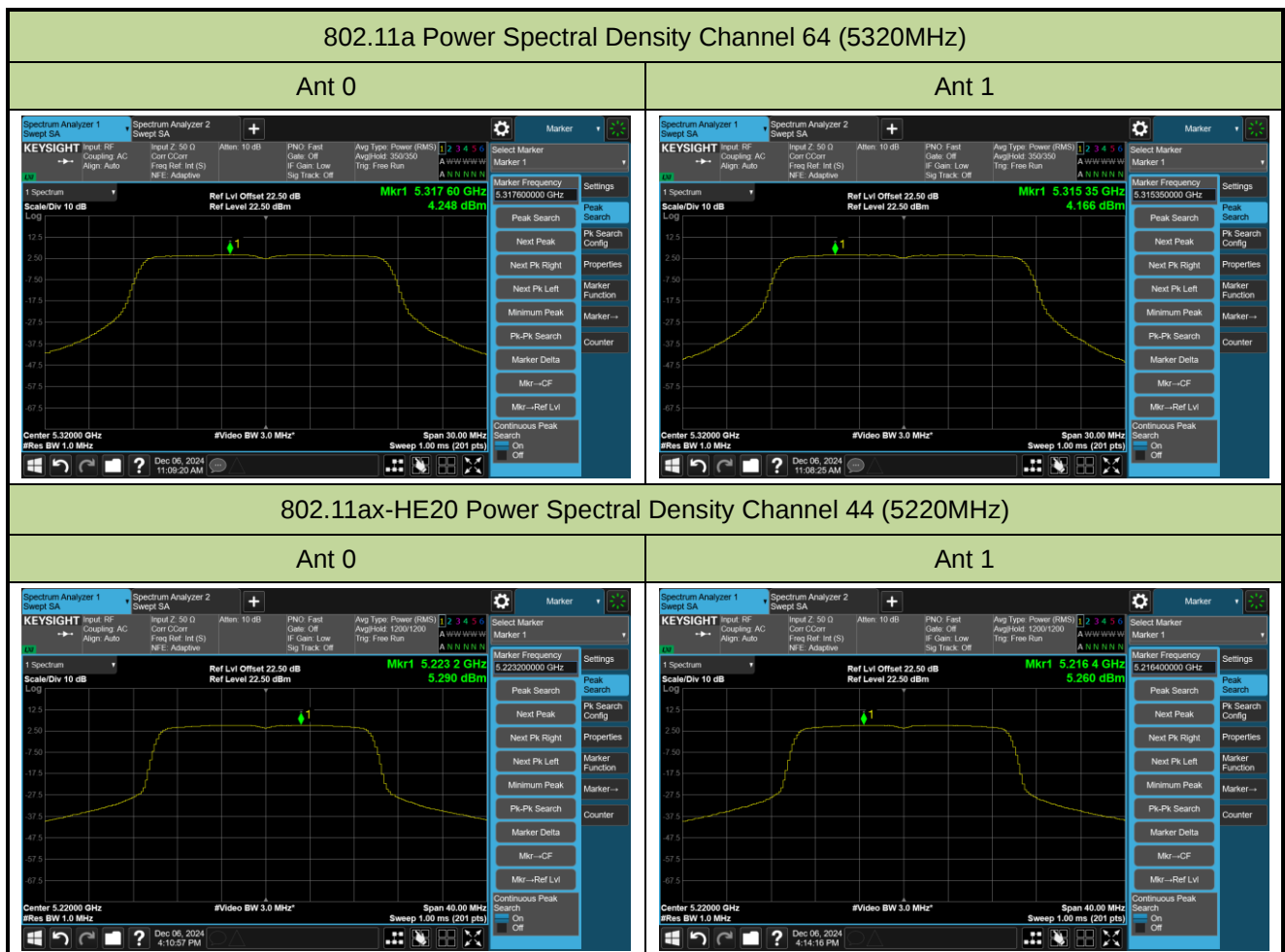
Refer to MRT report No. 2101TW0003-U4 clause 7.5.5

Spot Check:

Test Site	WZ-SR5	Test Engineer	Jeff Yang
Test Date	2024-12-06		

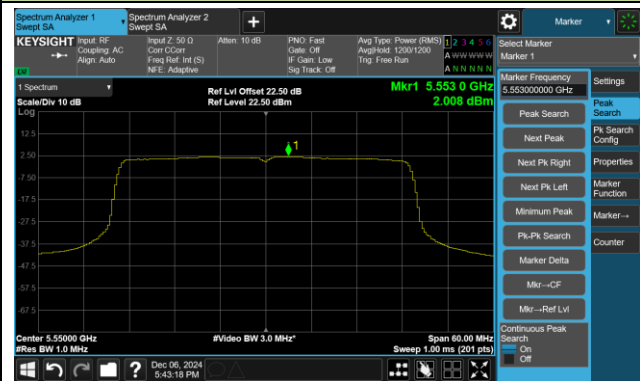
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVGPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
11a	6Mbps	64	5320	4.248	4.166	92.98	7.534	≤ 9.09
11ax-HE20	MCS0	44	5220	5.290	5.260	93.98	8.555	≤ 15.09
11ax-HE40	MCS0	110	5550	2.008	1.926	94.50	5.223	≤ 9.09
11ax-HE80	MCS0	138	5690	-1.373	-0.821	93.28	2.224	≤ 9.09

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

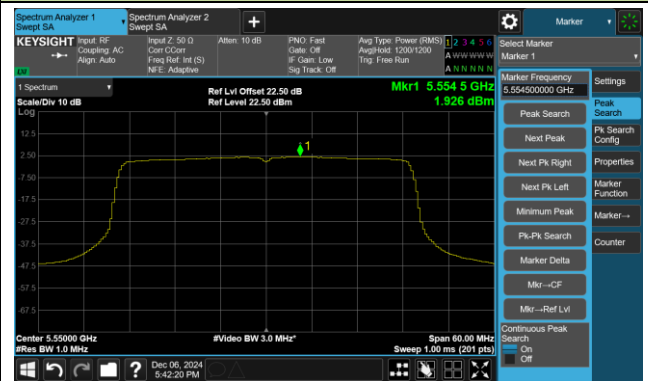


802.11ax-HE40 Power Spectral Density Channel 110 (5550MHz)

Ant 0

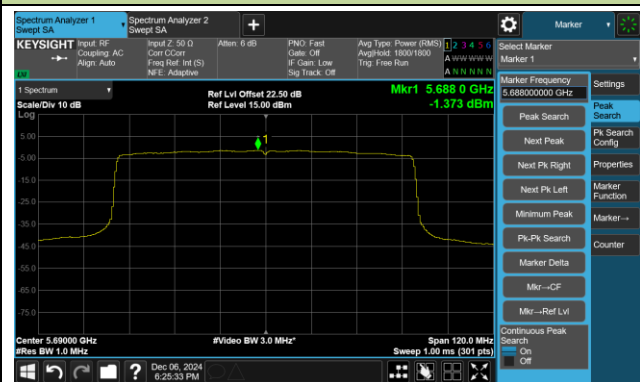


Ant 1

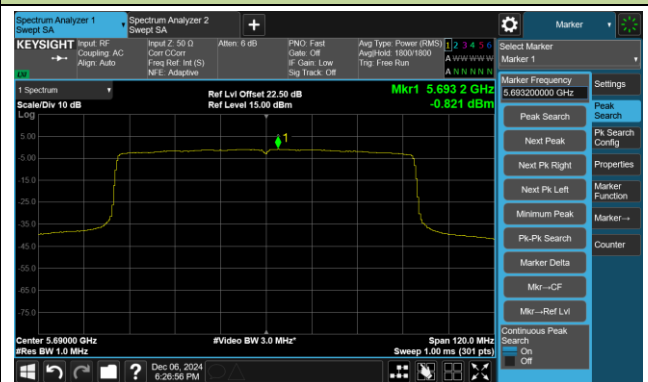


802.11ax-HE80 Power Spectral Density Channel 138 (5690MHz)

Ant 0



Ant 1



A.6 Frequency Stability Test Result

Refer to MRT report No. 2101TW0003-U4 clause 7.6.4

Spot Check:

Test Site	WZ-TR3	Test Engineer	Jeff Yang
Test Date	2025-01-24	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100	120	+ 20	3.87

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

A.7 Radiated Spurious Emission Test Result

Refer to MRT report No. 2101TW0003-U4 clause 7.7.5

Spot Check:

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-12-20	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
	8245.4	34.3	10.6	44.9	74.0	-29.1	Peak	Horizontal
*	10440.1	32.7	14.8	47.5	68.2	-20.7	Peak	Horizontal
	11480.5	31.6	17.2	48.8	74.0	-25.2	Peak	Horizontal
*	14112.1	31.2	19.1	50.3	68.2	-17.9	Peak	Horizontal
	8160.4	33.5	10.9	44.4	74.0	-29.6	Peak	Vertical
*	10236.1	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
	11670.9	31.1	17.1	48.2	74.0	-25.8	Peak	Vertical
*	13636.1	31.6	18.7	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	Lucas Wang
Test Date	2024-12-20	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
	8146.8	33.8	11.0	44.8	74.0	-29.2	Peak	Horizontal
*	10074.6	33.2	13.2	46.4	68.2	-21.8	Peak	Horizontal
	11475.4	31.8	17.1	48.9	74.0	-25.1	Peak	Horizontal
*	14171.6	31.3	19.2	50.5	68.2	-17.7	Peak	Horizontal
	8189.3	33.3	11.0	44.3	74.0	-29.7	Peak	Vertical
*	10599.9	33.7	15.0	48.7	68.2	-19.5	Peak	Vertical
	11018.1	32.1	16.3	48.4	74.0	-25.6	Peak	Vertical
*	14341.6	30.5	18.9	49.4	68.2	-18.8	Peak	Vertical

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

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

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

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-12-20	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
	8128.1	33.6	11.2	44.8	74.0	-29.2	Peak	Horizontal
*	9804.3	33.2	13.3	46.5	68.2	-21.7	Peak	Horizontal
	11635.2	31.9	17.2	49.1	74.0	-24.9	Peak	Horizontal
*	14144.4	31.0	19.5	50.5	68.2	-17.7	Peak	Horizontal
	7395.4	33.7	11.3	45.0	74.0	-29.0	Peak	Vertical
	9719.3	34.3	13.2	47.5	68.2	-20.7	Peak	Vertical
*	11881.7	31.2	16.9	48.1	74.0	-25.9	Peak	Vertical
*	13945.5	30.8	18.9	49.7	68.2	-18.5	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	Lucas Wang
Test Date	2024-12-20	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
*	10032.1	33.4	13.3	46.7	68.2	-21.5	Peak	Horizontal
	11006.2	32.5	16.4	48.9	74.0	-25.1	Peak	Horizontal
	11655.6	34.8	17.4	52.2	74.0	-21.8	Peak	Horizontal
	11655.6	26.4	17.4	43.8	54.0	-10.2	Average	Horizontal
*	14287.2	30.7	19.2	49.9	68.2	-18.3	Peak	Horizontal
	8099.2	33.5	11.4	44.9	74.0	-29.1	Peak	Vertical
*	10125.6	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
	11647.1	38.7	17.4	56.1	74.0	-17.9	Peak	Vertical
	11647.1	31.9	17.4	49.3	54.0	-4.7	Average	Horizontal
*	14151.2	30.6	19.3	49.9	68.2	-18.3	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE40 – 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 (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10263.3	33.2	14.1	47.3	68.2	-20.9	Peak	Horizontal
	11079.3	31.9	16.5	48.4	74.0	-25.6	Peak	Horizontal
	11876.6	31.7	16.9	48.6	74.0	-25.4	Peak	Horizontal
*	14025.4	30.2	19.3	49.5	68.2	-18.7	Peak	Horizontal
*	10327.9	32.6	14.5	47.1	68.2	-21.1	Peak	Vertical
	10990.9	31.7	16.3	48.0	74.0	-26.0	Peak	Vertical
	12276.1	32.3	16.9	49.2	74.0	-24.8	Peak	Vertical
*	14134.2	30.3	19.5	49.8	68.2	-18.4	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE40 – 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 (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9802.6	33.1	13.3	46.4	68.2	-21.8	Peak	Horizontal
	11273.1	31.3	16.7	48.0	74.0	-26.0	Peak	Horizontal
	11908.9	30.9	16.8	47.7	74.0	-26.3	Peak	Horizontal
*	13874.1	30.5	19.2	49.7	68.2	-18.5	Peak	Horizontal
*	9921.6	33.1	13.2	46.3	68.2	-21.9	Peak	Vertical
	11111.6	32.0	16.3	48.3	74.0	-25.7	Peak	Vertical
	12277.8	30.9	16.9	47.8	74.0	-26.2	Peak	Vertical
*	14368.8	30.6	19.1	49.7	68.2	-18.5	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE40 – 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 (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10004.9	34.2	13.1	47.3	68.2	-20.9	Peak	Horizontal
	10865.1	32.8	15.8	48.6	74.0	-25.4	Peak	Horizontal
	12383.2	31.7	16.8	48.5	74.0	-25.5	Peak	Horizontal
*	13627.6	31.5	18.6	50.1	68.2	-18.1	Peak	Horizontal
*	10338.1	32.4	14.5	46.9	68.2	-21.3	Peak	Vertical
	11016.4	31.7	16.3	48.0	74.0	-26.0	Peak	Vertical
	12129.9	30.6	16.9	47.5	74.0	-26.5	Peak	Vertical
*	14193.7	30.4	19.1	49.5	68.2	-18.7	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE40 – 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 (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10171.5	33.1	13.5	46.6	68.2	-21.6	Peak	Horizontal
	10972.2	31.7	15.9	47.6	74.0	-26.4	Peak	Horizontal
	11873.2	32.0	16.8	48.8	74.0	-25.2	Peak	Horizontal
*	14406.2	30.6	19.3	49.9	68.2	-18.3	Peak	Horizontal
*	9870.6	33.5	13.2	46.7	68.2	-21.5	Peak	Vertical
	11577.4	33.1	17.0	50.1	74.0	-23.9	Peak	Vertical
	11958.2	30.6	16.8	47.4	74.0	-26.6	Peak	Vertical
*	14045.8	29.9	19.3	49.2	68.2	-19.0	Peak	Vertical

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

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

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

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE80 – Channel 42
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
*	10217.4	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
	11009.6	31.9	16.4	48.3	74.0	-25.7	Peak	Horizontal
	11929.3	30.7	16.8	47.5	74.0	-26.5	Peak	Horizontal
*	14147.8	29.8	19.4	49.2	68.2	-19.0	Peak	Horizontal
*	10353.4	31.9	14.5	46.4	68.2	-21.8	Peak	Vertical
	11477.1	31.8	17.1	48.9	74.0	-25.1	Peak	Vertical
	11895.3	30.3	16.9	47.2	74.0	-26.8	Peak	Vertical
*	14268.5	31.5	19.1	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 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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE80 – Channel 58
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
*	10253.1	33.3	14.0	47.3	68.2	-20.9	Peak	Horizontal
	11138.8	32.0	16.1	48.1	74.0	-25.9	Peak	Horizontal
	12231.9	30.8	17.0	47.8	74.0	-26.2	Peak	Horizontal
*	14362.0	32.6	19.0	51.6	68.2	-16.6	Peak	Horizontal
*	9816.2	33.7	13.3	47.0	68.2	-21.2	Peak	Vertical
	11067.4	32.1	16.1	48.2	74.0	-25.8	Peak	Vertical
	12070.4	30.8	16.6	47.4	74.0	-26.6	Peak	Vertical
*	14193.7	30.2	19.1	49.3	68.2	-18.9	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE80 – Channel 106
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
*	10212.3	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
	11016.4	32.7	16.3	49.0	74.0	-25.0	Peak	Horizontal
	12214.9	30.9	17.1	48.0	74.0	-26.0	Peak	Horizontal
*	13880.9	31.1	19.2	50.3	68.2	-17.9	Peak	Horizontal
*	10246.3	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
	11098.0	31.6	16.5	48.1	74.0	-25.9	Peak	Vertical
	12145.2	30.7	16.7	47.4	74.0	-26.6	Peak	Vertical
*	14013.5	31.0	19.0	50.0	68.2	-18.2	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	Lucas Wang
Test Date	2024-12-20	Test Mode	802.11ax-HE80 – Channel 155
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
*	9936.9	33.4	13.2	46.6	68.2	-21.6	Peak	Horizontal
	11483.9	30.8	17.2	48.0	74.0	-26.0	Peak	Horizontal
	12381.5	30.9	16.8	47.7	74.0	-26.3	Peak	Horizontal
*	14146.1	31.2	19.4	50.6	68.2	-17.6	Peak	Horizontal
*	10249.7	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	11563.8	31.7	17.1	48.8	74.0	-25.2	Peak	Vertical
	12344.1	30.6	16.9	47.5	74.0	-26.5	Peak	Vertical
*	14124.0	30.9	19.2	50.1	68.2	-18.1	Peak	Vertical

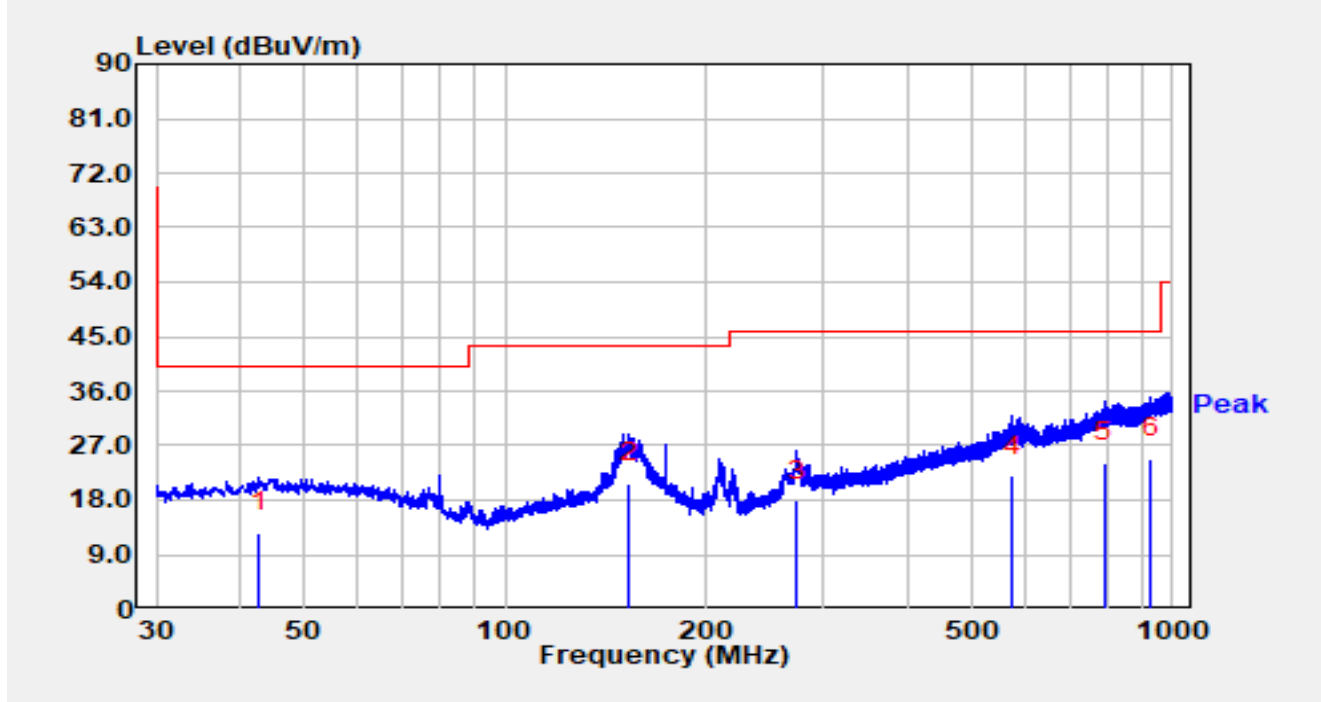
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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)

The Result of Radiated Emission for 30MHz ~ 1GHz:

Site	WZ-AC1	Test Date	2024-12-28
Limit	FCC_5G_RE(3m)	Test Engineer	Ajin Fan
Factor	VULB 9168_25-1000MHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		

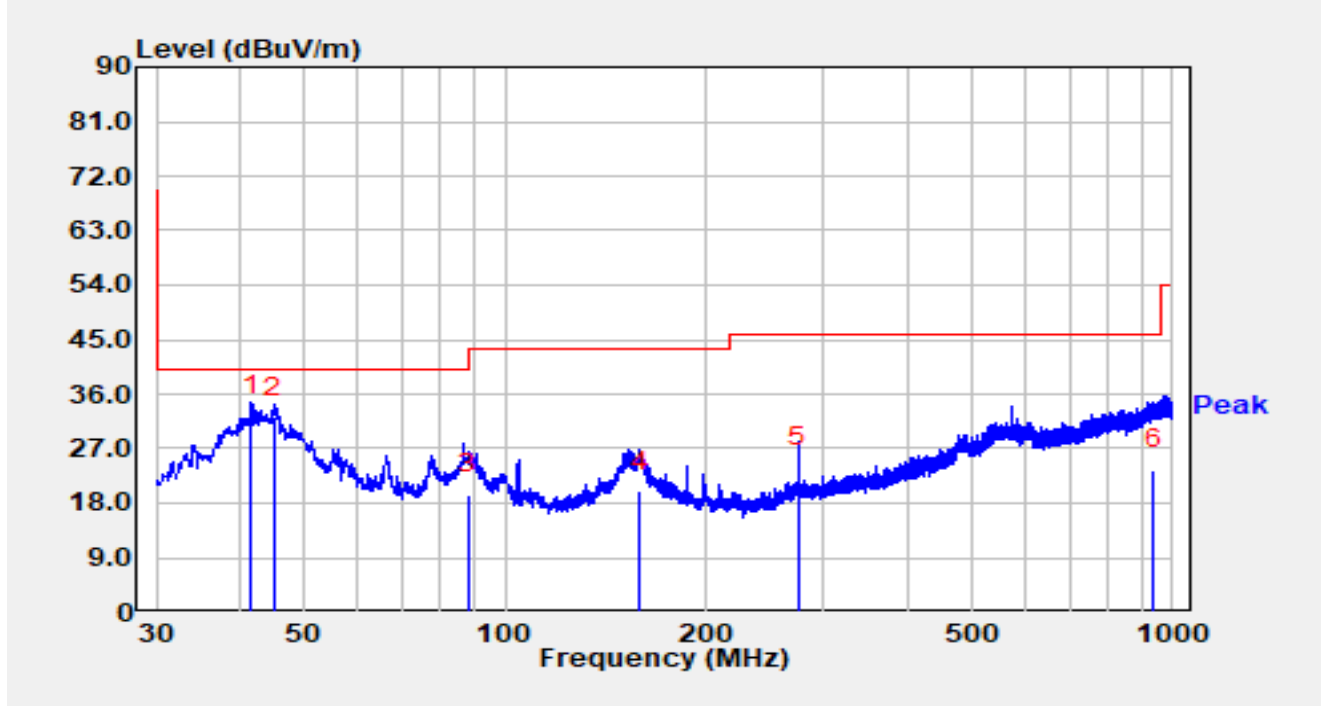


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		42.804	-5.52	18.15	12.63	-27.37	40.00	QP
2		153.190	2.53	18.29	20.82	-22.68	43.50	QP
3		273.276	0.01	17.98	17.99	-28.01	46.00	QP
4		576.013	-3.16	25.18	22.02	-23.98	46.00	QP
5		788.637	-4.83	29.00	24.16	-21.84	46.00	QP
6	*	930.160	-5.76	30.70	24.94	-21.06	46.00	QP

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-12-28
Limit	FCC_5G_RE(3m)	Test Engineer	Ajin Fan
Factor	VULB 9168_25-1000MHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		



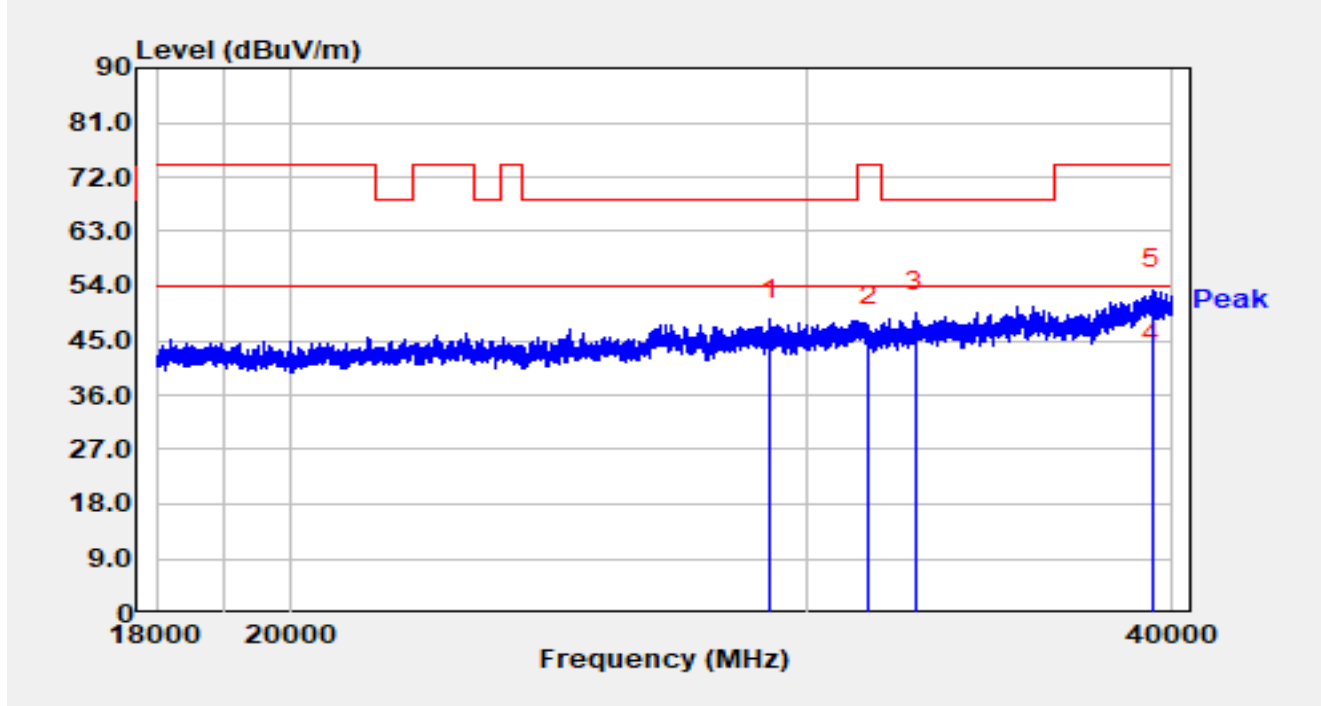
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	41.640	14.57	18.02	32.59	-7.41	40.00	QP
2		45.035	13.85	18.31	32.16	-7.84	40.00	QP
3		87.909	6.42	13.07	19.49	-20.51	40.00	QP
4		159.204	1.57	18.37	19.94	-23.56	43.50	QP
5		275.313	5.98	18.09	24.08	-21.92	46.00	QP
6		938.696	-7.08	30.68	23.60	-22.40	46.00	QP

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

The Result of Radiated Emission for 18~40 GHz:

Site	WZ-AC1	Test Date	2025-01-01
Limit	FCC_5G_RE(3m)	Test Engineer	Ajin Fan
Factor	BBHA 9170_549_18-40GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		

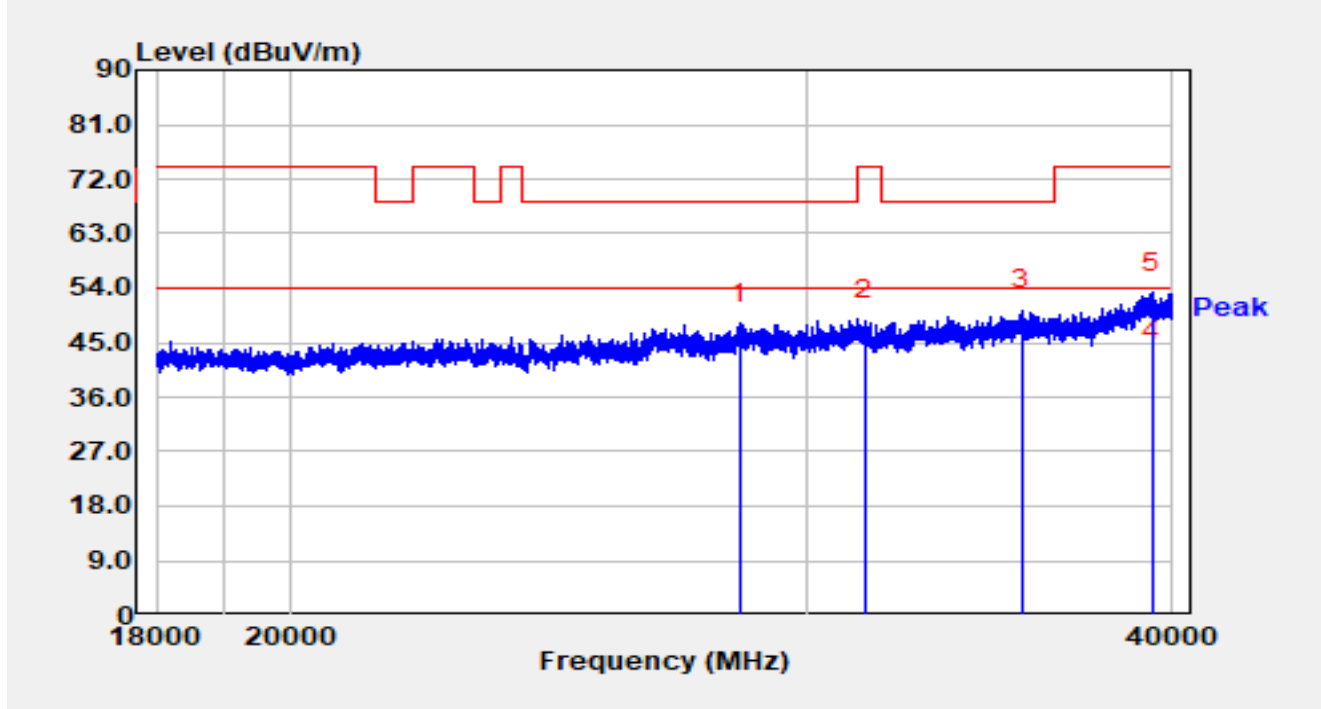


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		29162.800	54.59	-6.03	48.56	-19.64	68.20	Peak
2		31492.600	52.55	-5.10	47.46	-26.54	74.00	Peak
3		32674.000	54.68	-4.96	49.72	-18.48	68.20	Peak
4	*	39384.000	41.36	-0.20	41.16	-12.84	54.00	Average
5		39384.000	53.58	-0.20	53.38	-20.62	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-01-01
Limit	FCC_5G_RE(3m)	Test Engineer	Ajin Fan
Factor	BBHA 9170_549_18-40GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		28469.800	54.89	-6.73	48.16	-20.04	68.20	Peak
2		31417.800	53.16	-4.44	48.73	-25.27	74.00	Peak
3		35525.200	56.59	-6.19	50.40	-17.80	68.20	Peak
4	*	39377.400	42.16	-0.20	41.96	-12.04	54.00	Average
5		39377.400	53.40	-0.20	53.20	-20.80	74.00	Peak

Notes:

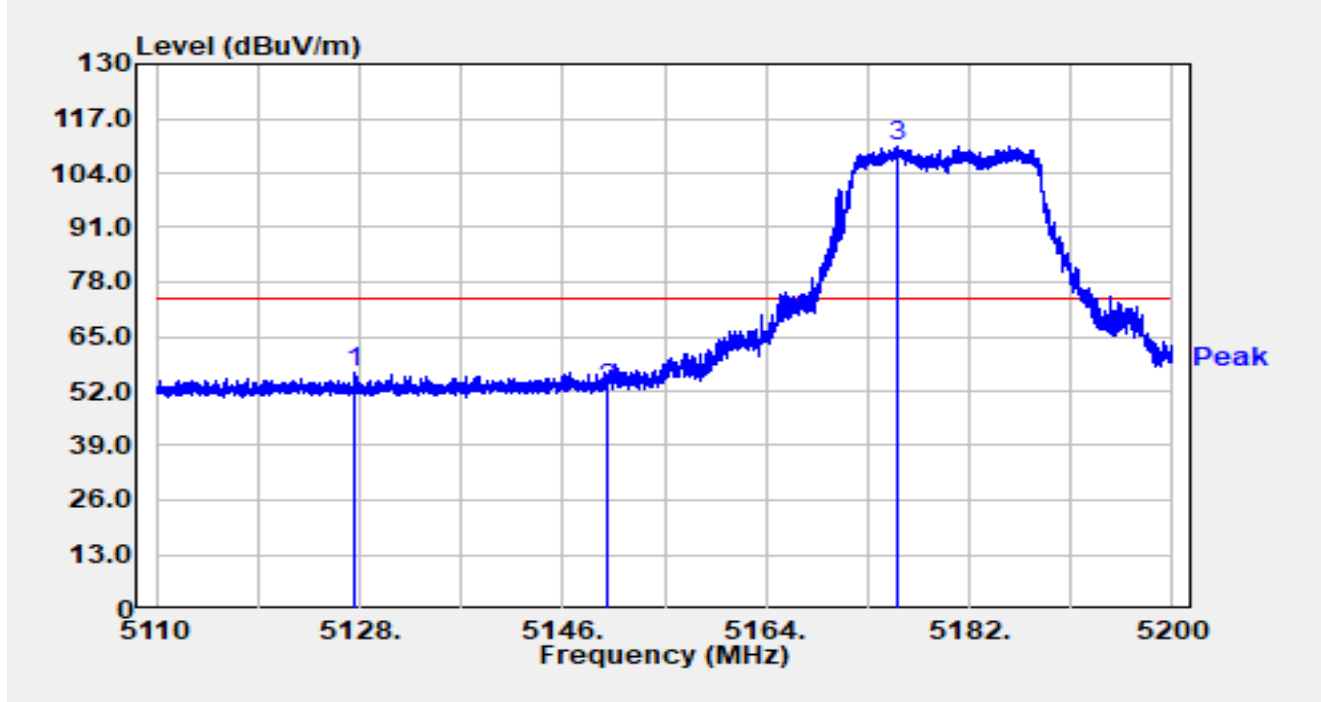
1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.8 Radiated Restricted Band Edge Test Result

Refer to MRT report No. 2101TW0003-U4 clause 7.8.5

Spot Check:

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		

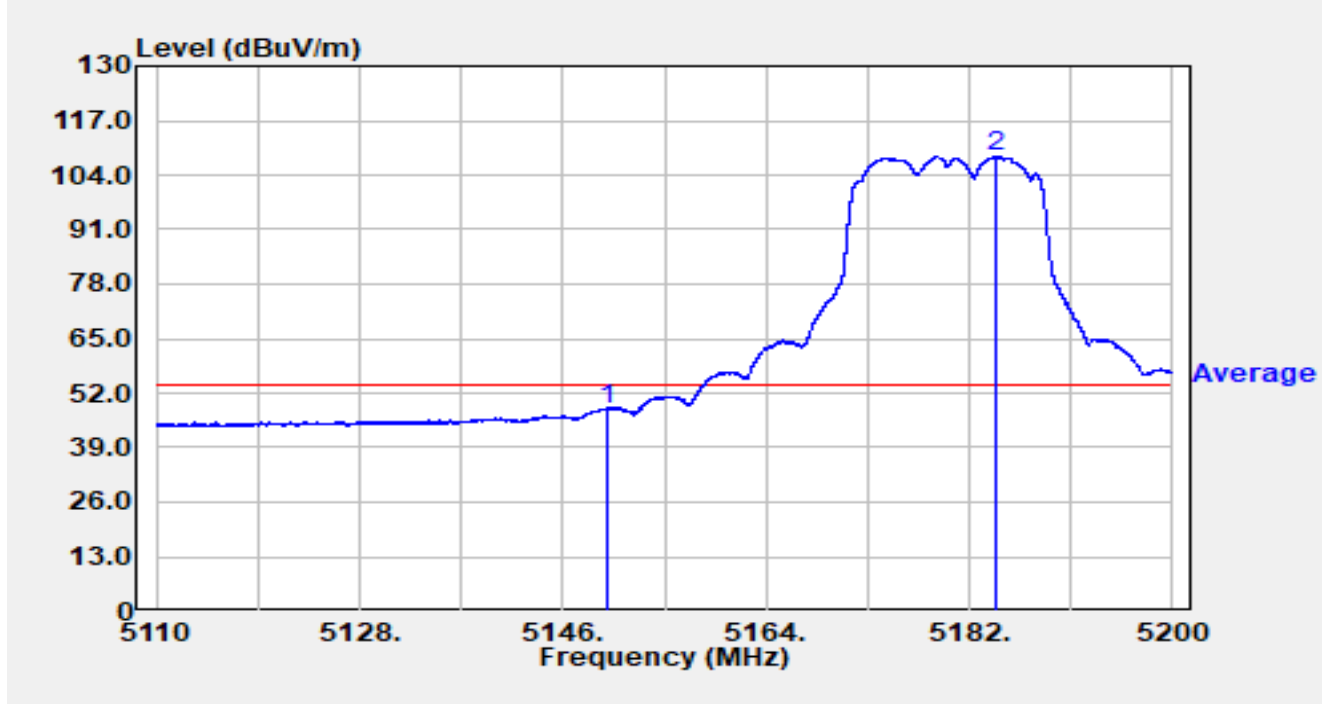


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5127.595	37.10	19.53	56.63	-17.37	74.00	Peak
2		5150.000	32.86	19.78	52.64	-21.36	74.00	Peak
3		5175.655	90.90	19.72	110.62	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		

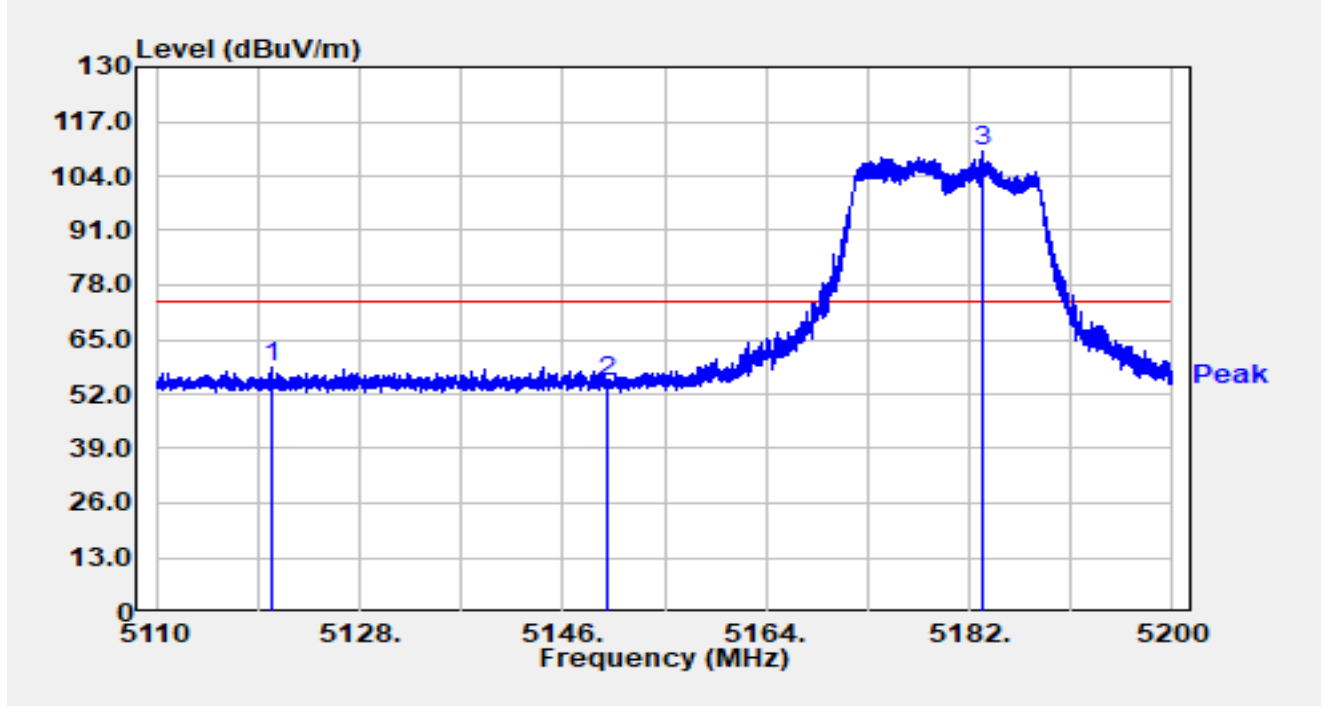


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5150.000	28.48	19.78	48.26	-5.74	54.00	Average
2		5184.421	88.98	19.57	108.55	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		

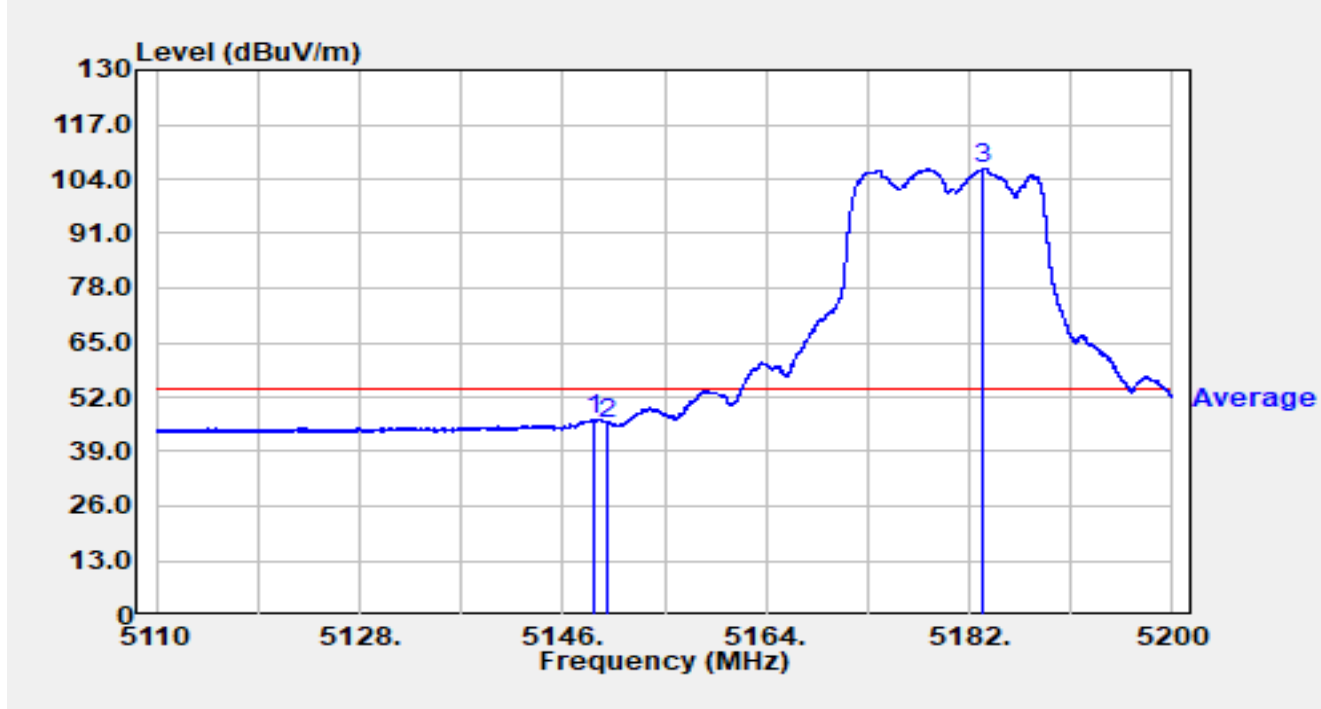


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5120.197	38.98	19.51	58.49	-15.51	74.00	Peak
2		5150.000	35.18	19.78	54.96	-19.04	74.00	Peak
3		5183.206	90.48	19.59	110.07	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5180MHz		

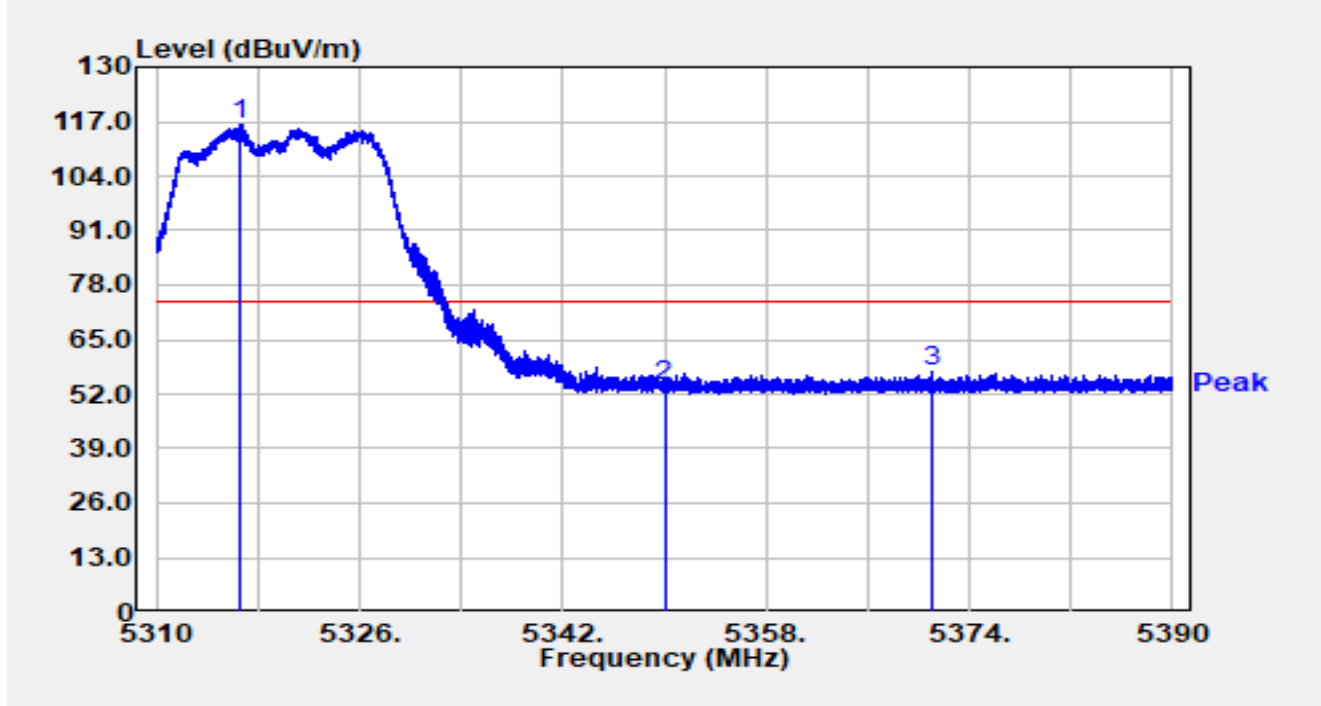


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5148.727	26.89	19.78	46.67	-7.33	54.00	Average
2		5150.000	25.92	19.78	45.71	-8.29	54.00	Average
3		5183.278	86.87	19.59	106.46	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5320MHz		

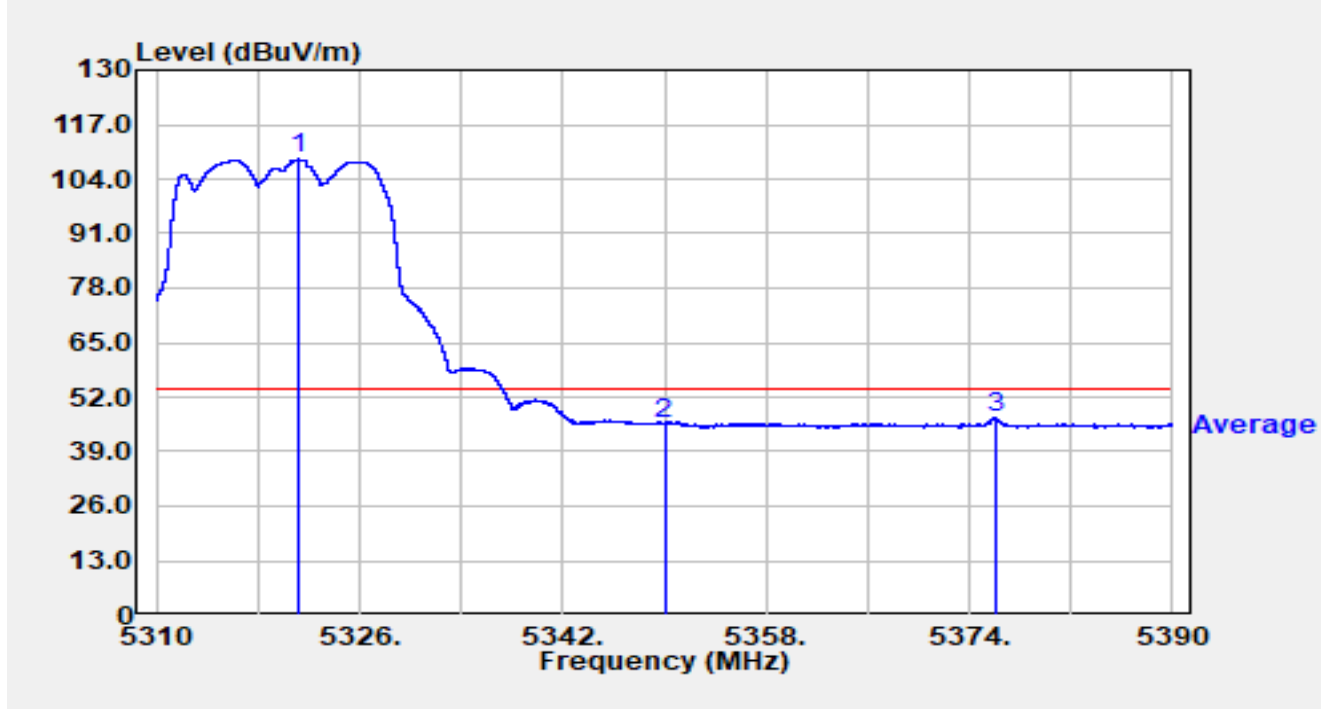


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5316.664	96.37	19.73	116.10	N/A	N/A	Peak
2		5350.000	34.66	19.40	54.06	-19.94	74.00	Peak
3	*	5371.040	37.83	19.37	57.20	-16.80	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5320MHz		

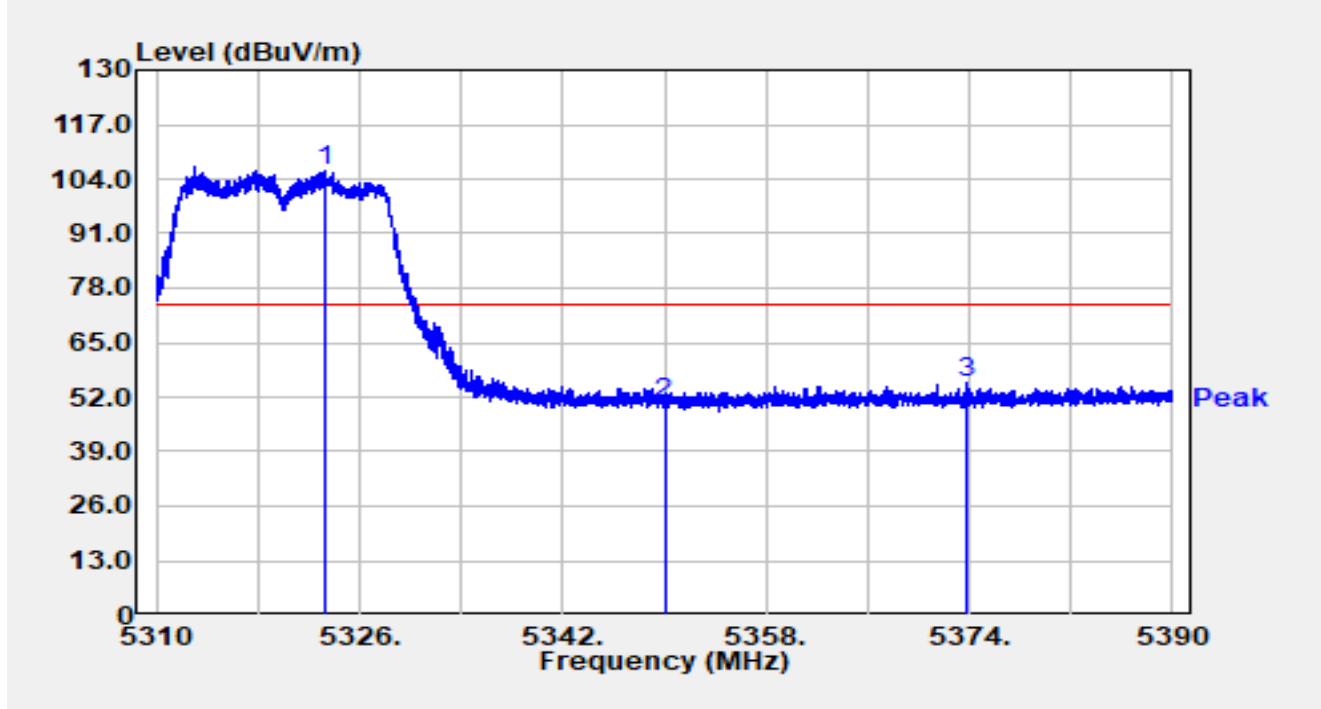


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5321.248	88.90	19.78	108.68	N/A	N/A	Average
2		5350.000	26.23	19.40	45.63	-8.37	54.00	Average
3	*	5376.024	27.48	19.49	46.97	-7.03	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5320MHz		

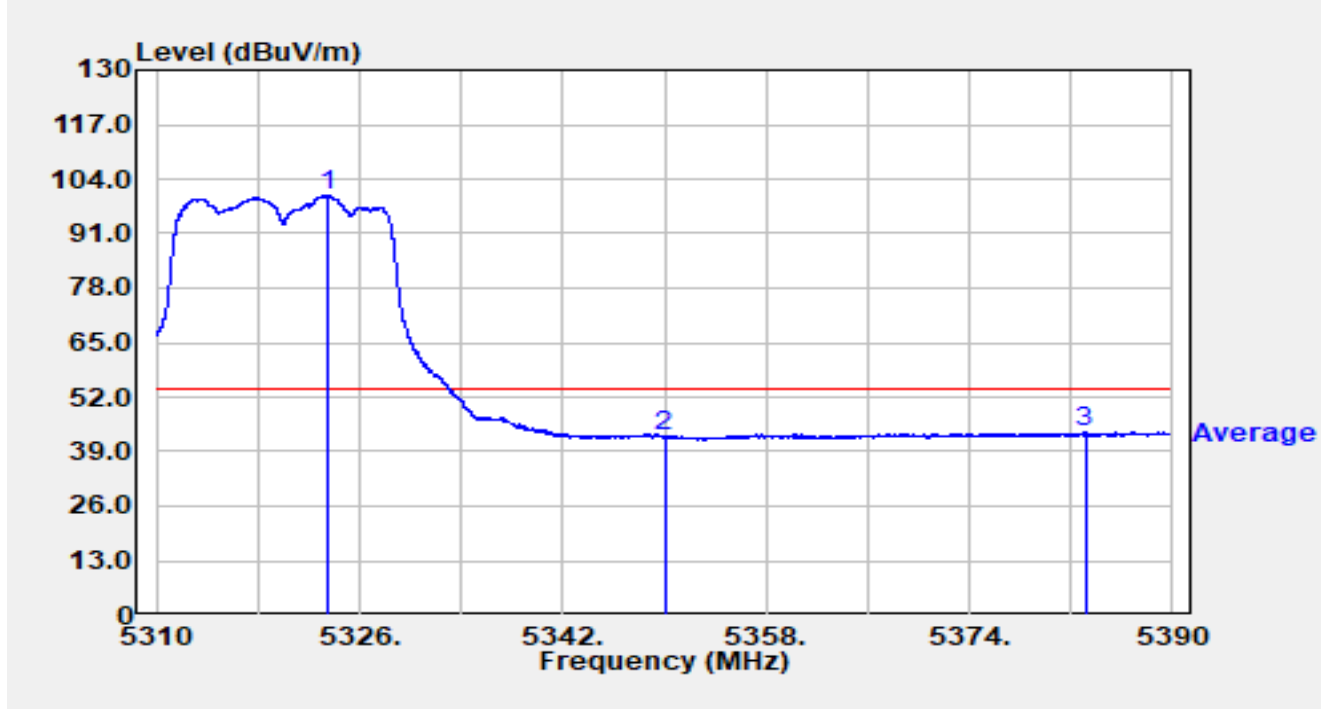


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5323.328	86.09	19.79	105.88	N/A	N/A	Peak
2		5350.000	31.31	19.40	50.71	-23.29	74.00	Peak
3	*	5373.768	36.14	19.44	55.58	-18.42	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5320MHz		

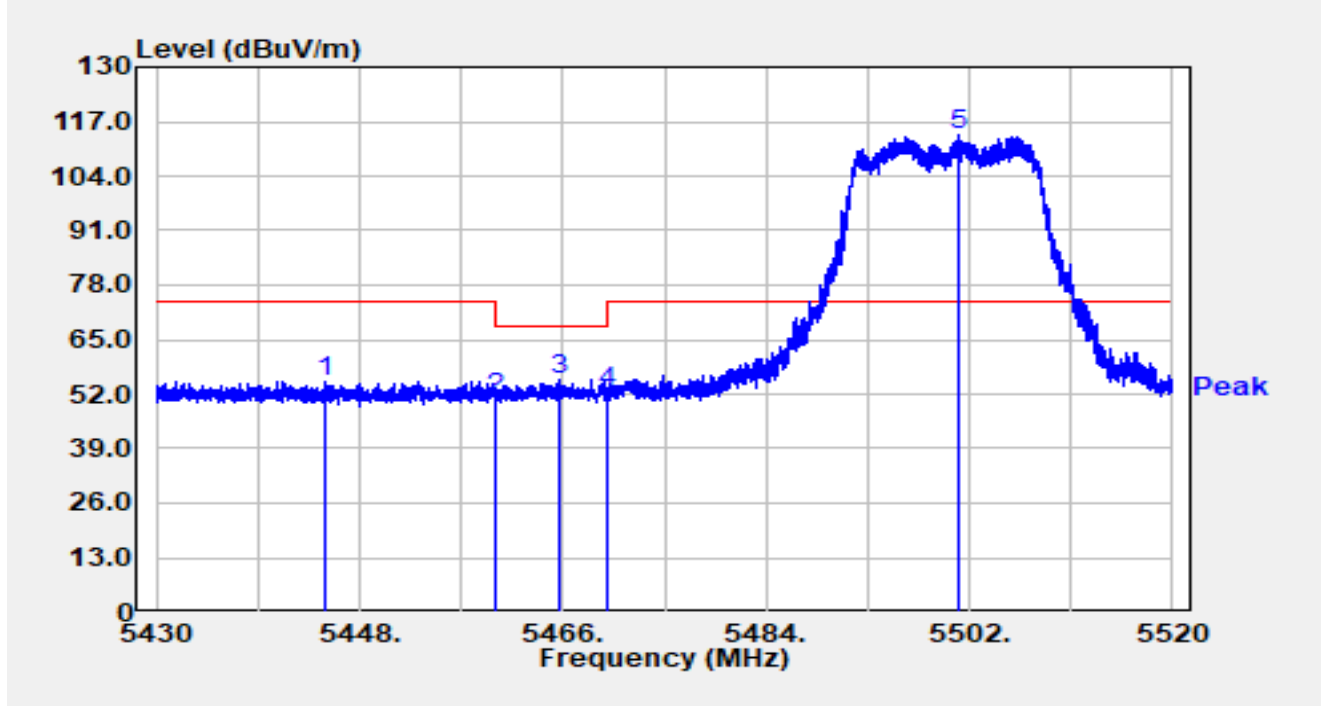


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		5323.400	80.22	19.79	100.01	N/A	N/A	Average
2		5350.000	23.08	19.40	42.48	-11.52	54.00	Average
3	*	5383.120	23.85	19.67	43.52	-10.48	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBUV/m) = Reading (dBUV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5500MHz		

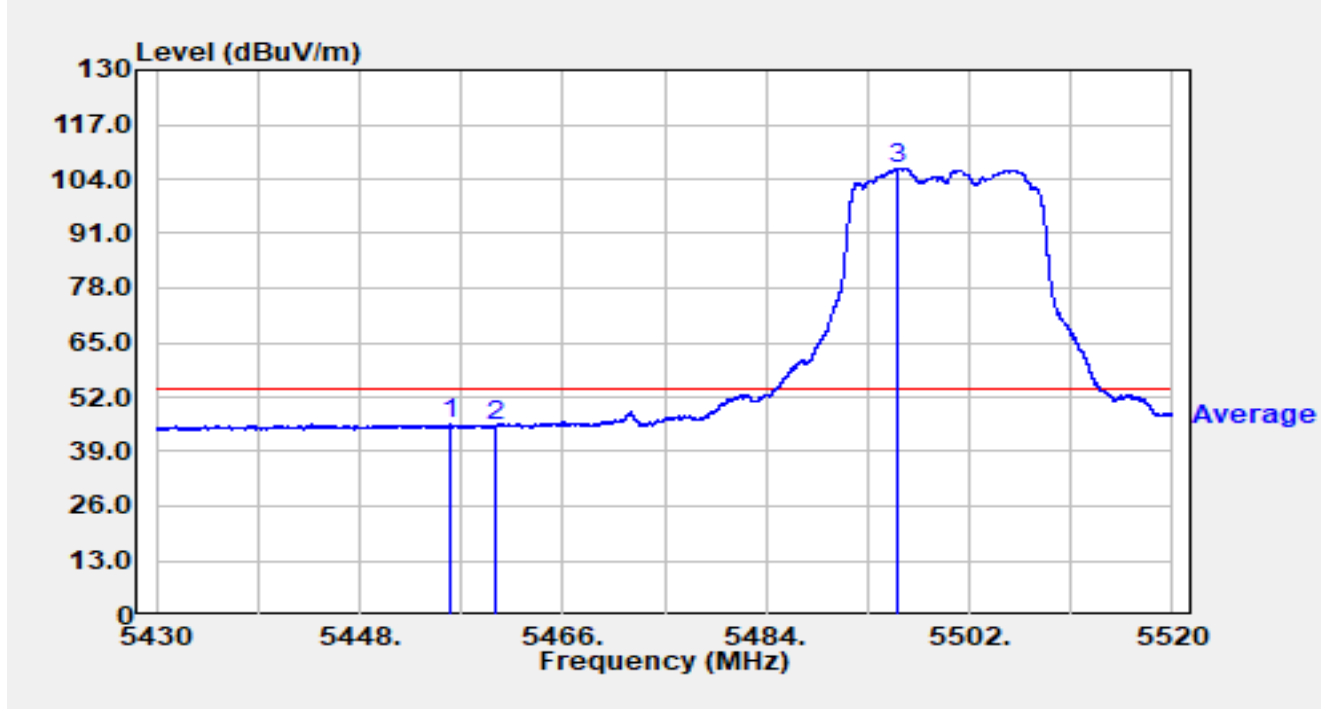


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5444.877	35.44	19.66	55.10	-18.90	74.00	Peak
2		5460.000	31.29	19.74	51.03	-17.17	68.20	Peak
3	*	5465.721	35.59	19.84	55.43	-12.77	68.20	Peak
4		5470.000	32.55	19.92	52.47	-15.73	68.20	Peak
5		5501.082	93.85	19.71	113.57	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5500MHz		

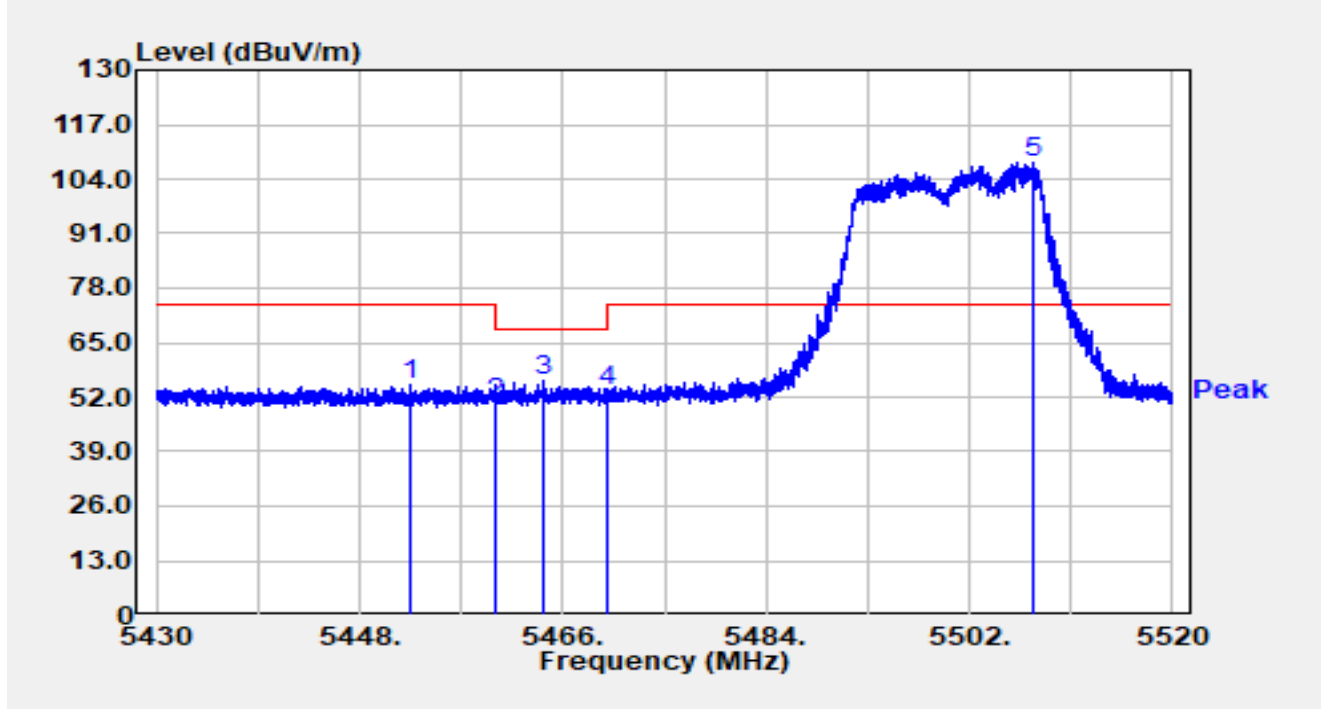


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5456.064	25.80	19.67	45.47	-8.53	54.00	Average
2		5460.000	25.33	19.74	45.07	-8.93	54.00	Average
3		5495.727	86.79	19.78	106.57	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5500MHz		

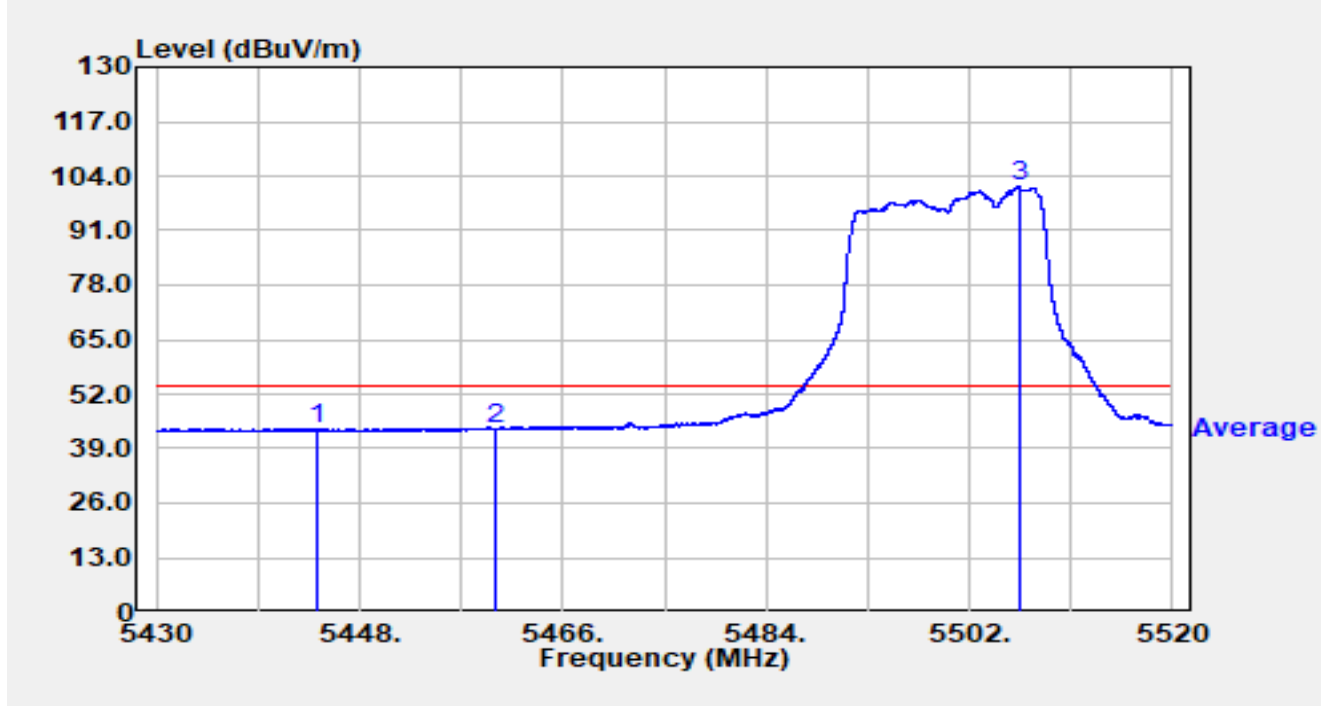


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5452.572	35.30	19.64	54.94	-19.06	74.00	Peak
2		5460.000	30.95	19.74	50.69	-17.51	68.20	Peak
3	*	5464.344	36.19	19.82	56.01	-12.19	68.20	Peak
4		5470.000	33.42	19.92	53.34	-14.86	68.20	Peak
5		5507.697	88.41	19.62	108.04	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5500MHz		

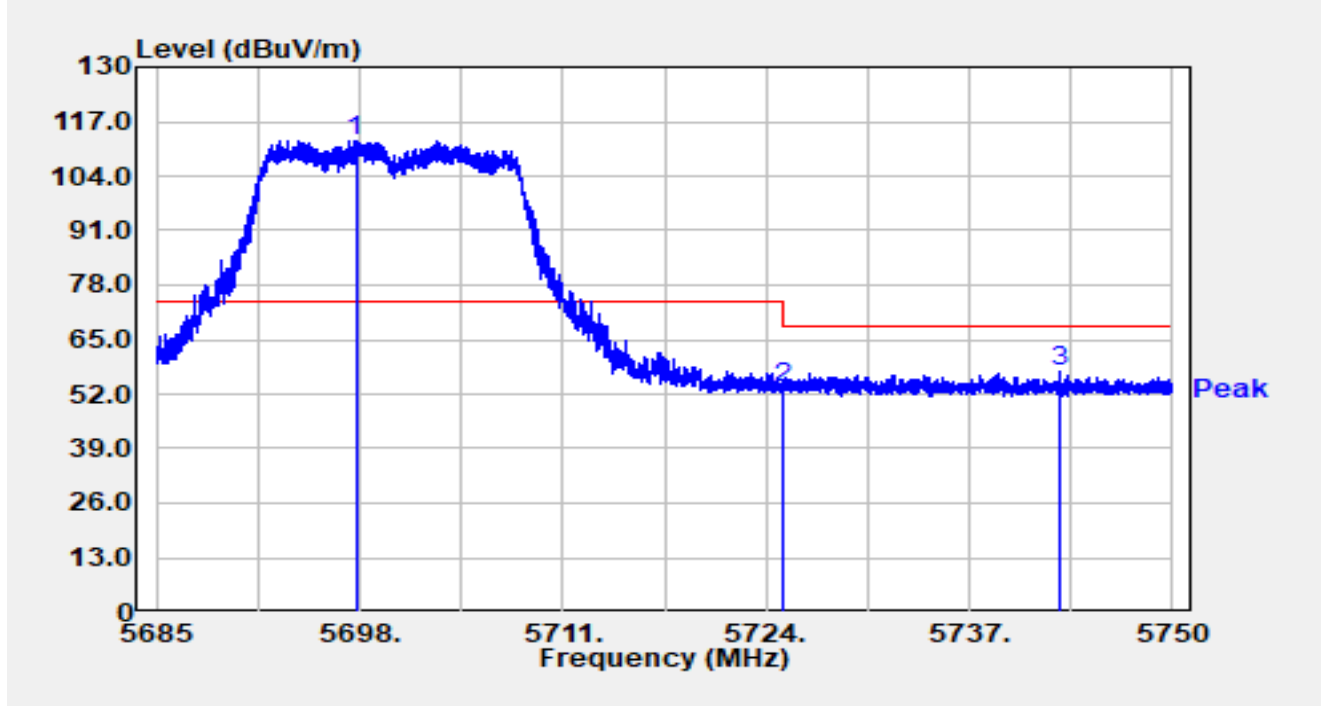


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5444.166	24.17	19.66	43.83	-10.17	54.00	Average
2		5460.000	24.04	19.74	43.78	-10.22	54.00	Average
3		5506.500	81.72	19.64	101.36	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5700MHz		

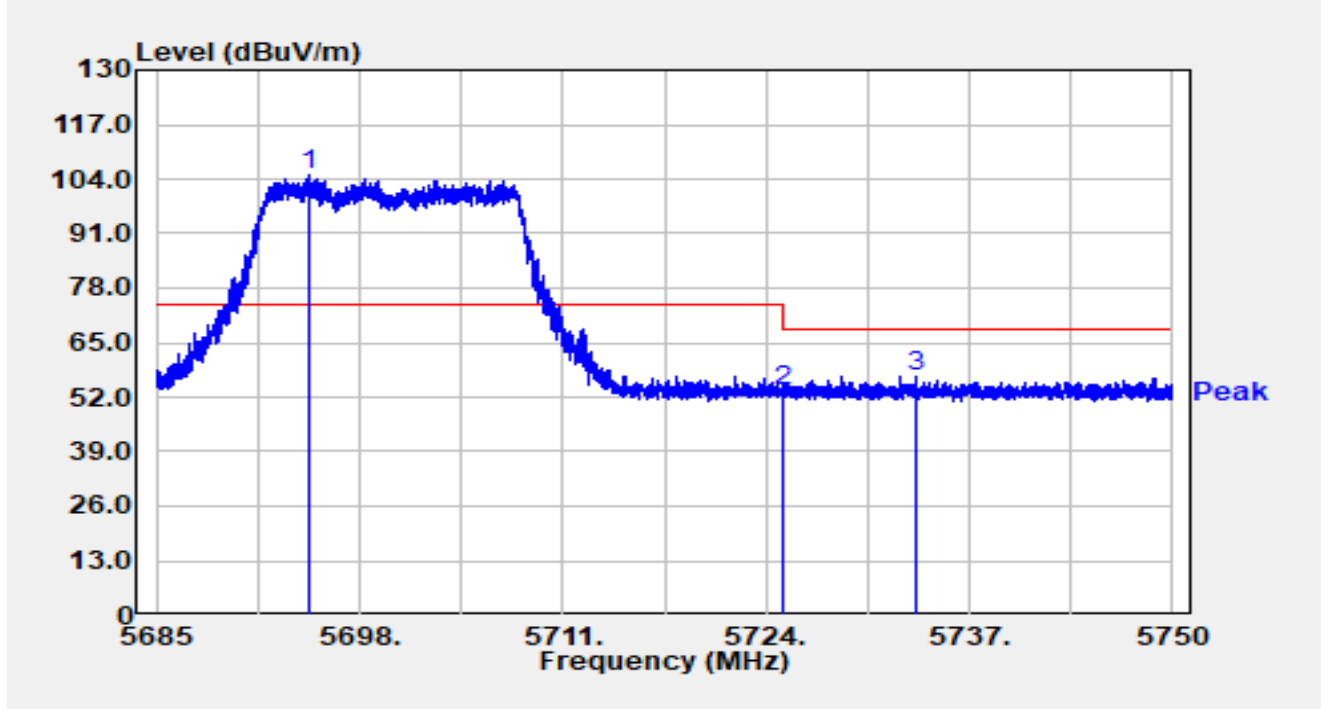


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5697.753	91.52	20.93	112.45	N/A	N/A	Peak
2		5725.000	32.34	21.24	53.58	-14.62	68.20	Peak
3	*	5742.817	36.48	21.07	57.55	-10.65	68.20	Peak

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5700MHz		

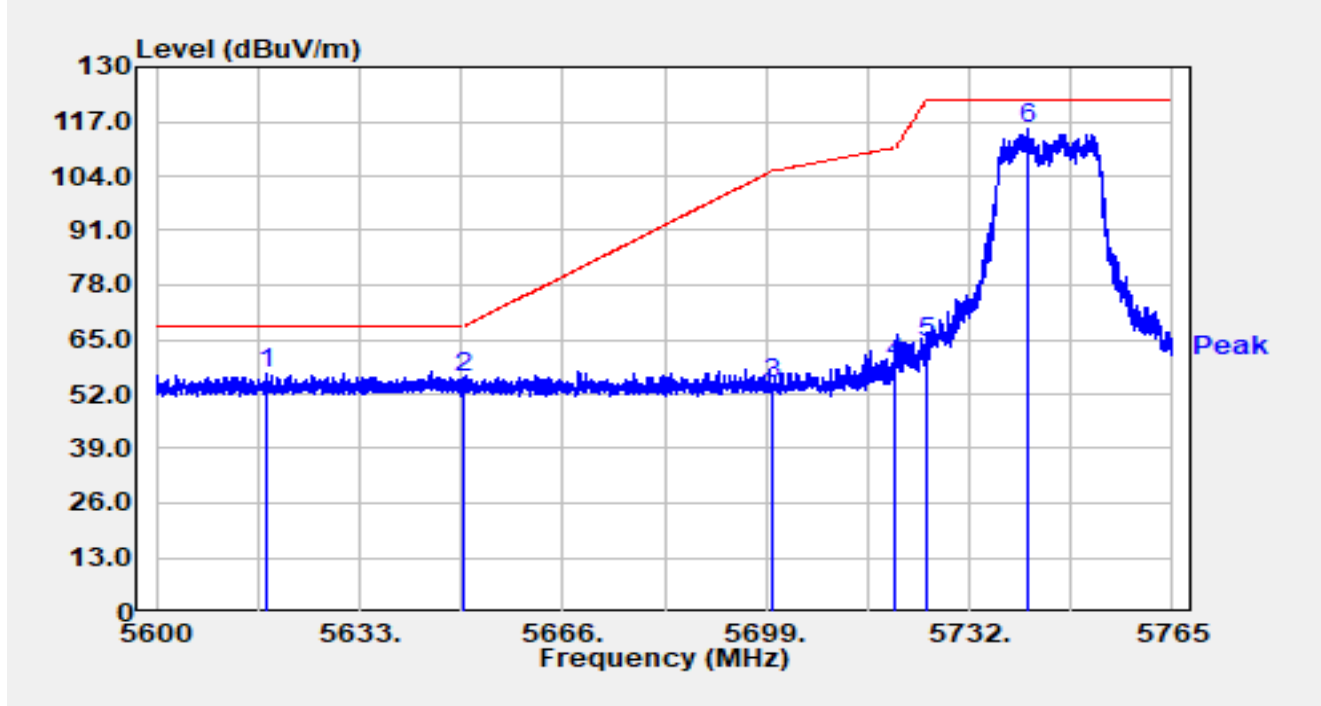


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5694.815	84.14	20.89	105.03	N/A	N/A	Peak
2		5725.000	32.05	21.24	53.29	-14.91	68.20	Peak
3	*	5733.613	35.98	21.17	57.15	-11.05	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		

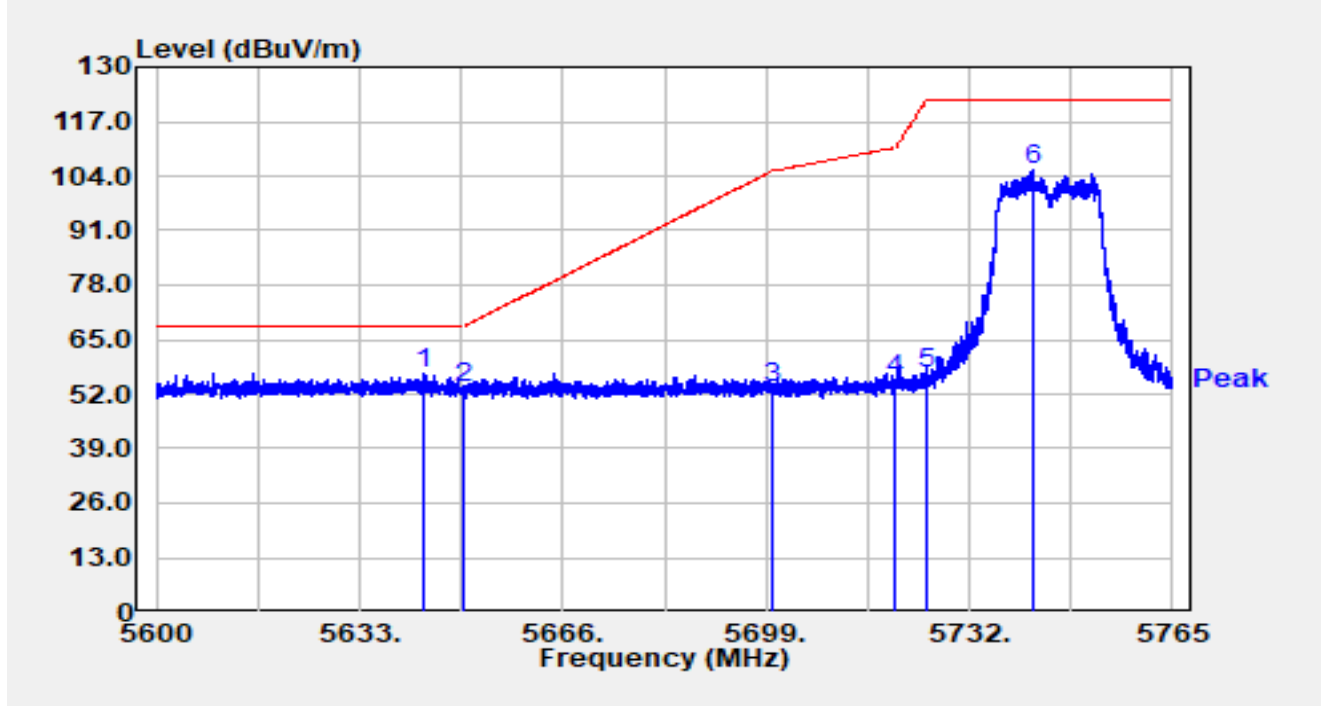


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5617.754	36.48	20.37	56.85	-11.35	68.20	Peak
2		5649.995	35.39	20.60	55.99	-12.21	68.20	Peak
3		5700.000	33.69	20.96	54.65	-50.55	105.20	Peak
4		5720.000	37.92	21.20	59.12	-51.68	110.80	Peak
5		5725.000	43.12	21.24	64.36	-57.84	122.20	Peak
6		5741.620	94.18	21.08	115.26	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-07
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11a at 5745MHz		

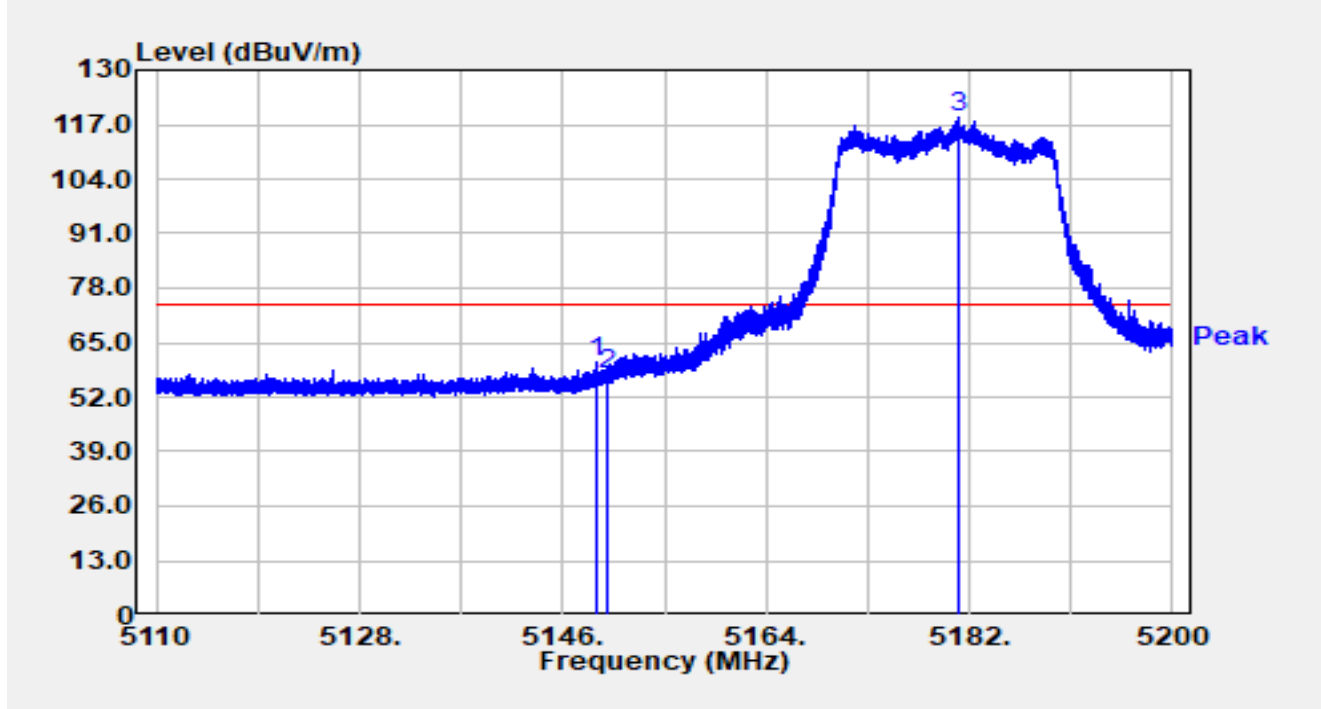


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5643.263	36.00	20.66	56.67	-11.53	68.20	Peak
2		5649.995	32.79	20.60	53.39	-14.81	68.20	Peak
3		5700.000	32.72	20.96	53.68	-51.52	105.20	Peak
4		5720.000	34.41	21.20	55.61	-55.19	110.80	Peak
5		5725.000	35.49	21.24	56.73	-65.47	122.20	Peak
6		5742.543	84.28	21.07	105.35	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		

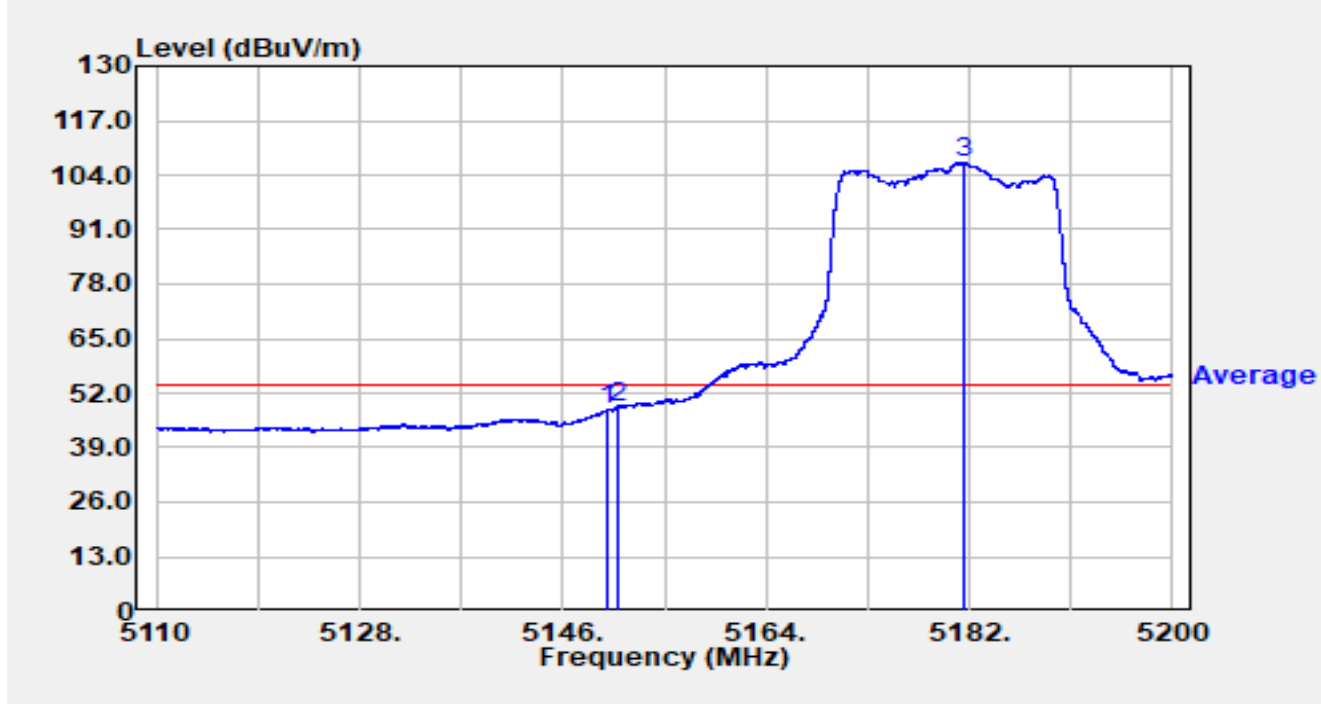


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5149.042	40.49	19.78	60.26	-13.74	74.00	Peak
2		5150.000	37.74	19.78	57.52	-16.48	74.00	Peak
3		5181.010	99.00	19.63	118.63	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		

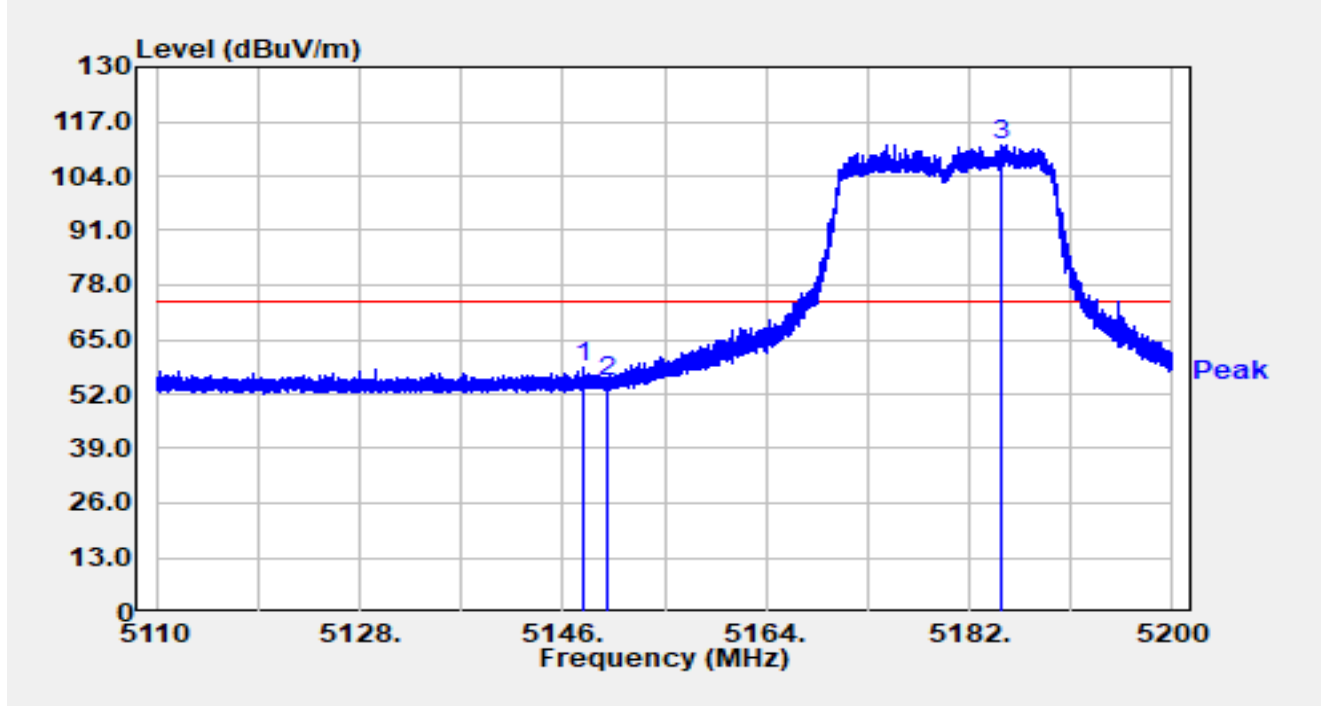


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5150.000	28.22	19.78	48.00	-6.00	54.00	Average
2	*	5150.779	28.86	19.78	48.64	-5.36	54.00	Average
3	*	5181.631	87.27	19.62	106.89	52.89	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		

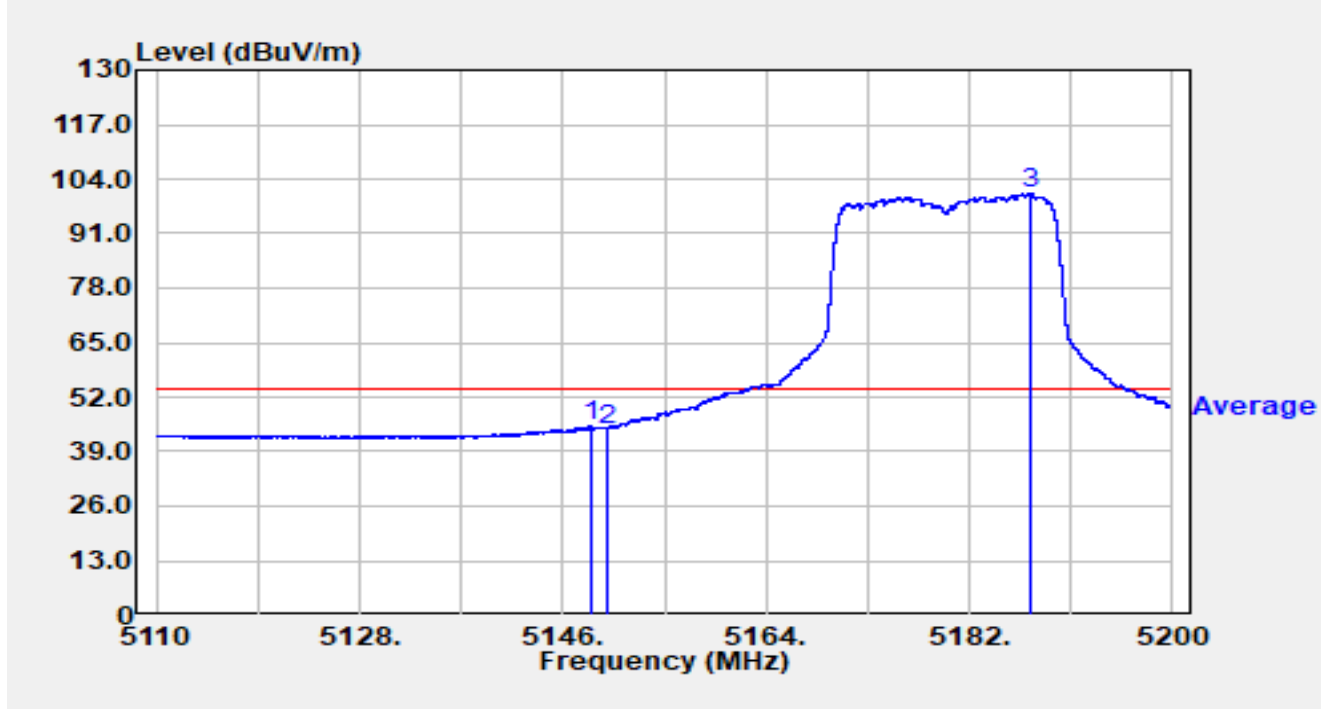


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5147.809	38.56	19.77	58.33	-15.67	74.00	Peak
2		5150.000	34.94	19.78	54.73	-19.27	74.00	Peak
3		5184.907	91.88	19.56	111.44	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		

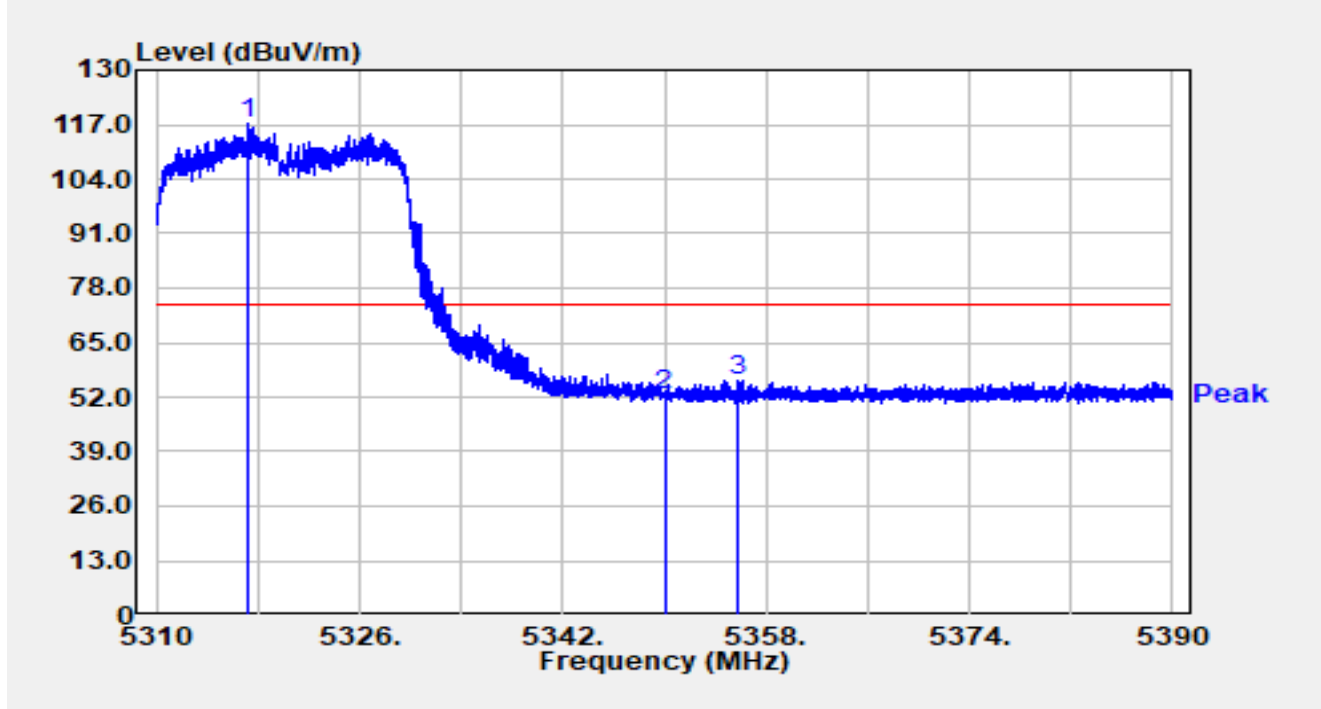


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5148.484	25.18	19.77	44.95	-9.05	54.00	Average
2		5150.000	24.58	19.78	44.36	-9.64	54.00	Average
3		5187.346	80.96	19.51	100.47	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5320MHz		

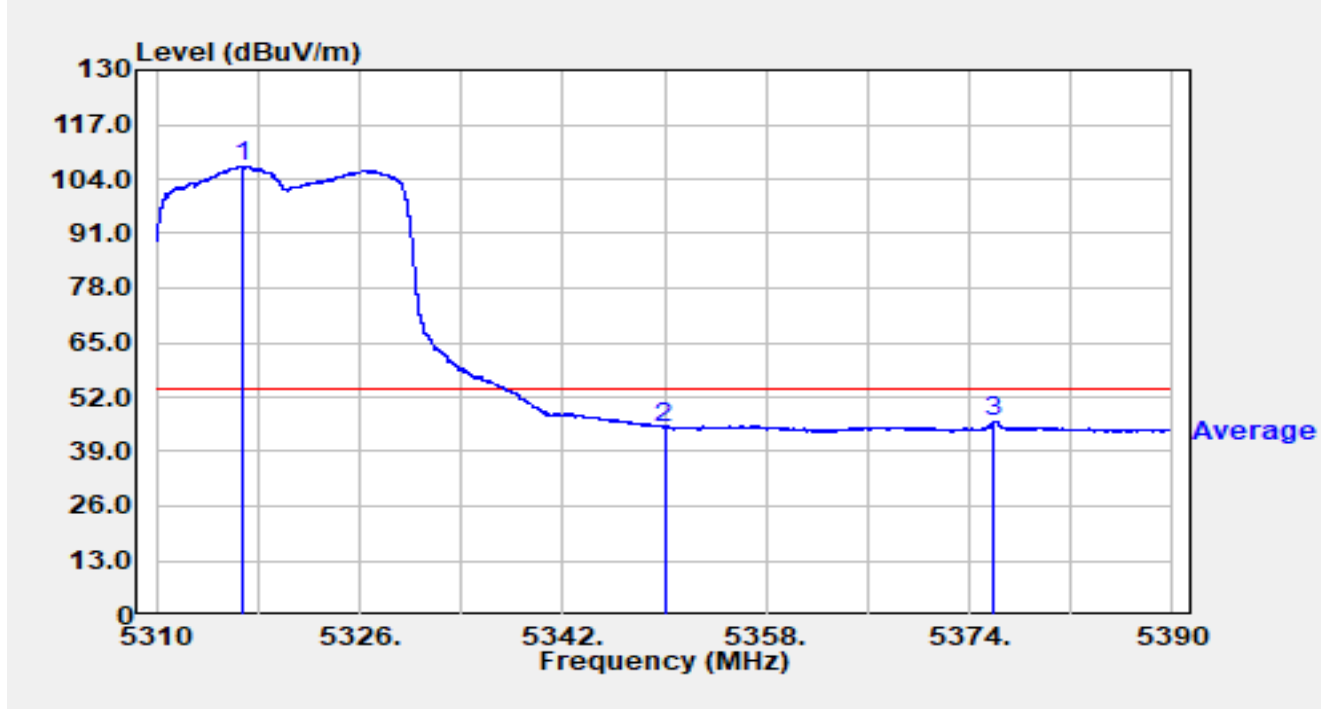


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5317.160	97.52	19.74	117.26	N/A	N/A	Peak
2		5350.000	33.06	19.40	52.46	-21.54	74.00	Peak
3	*	5355.800	36.57	19.34	55.91	-18.09	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5320MHz		

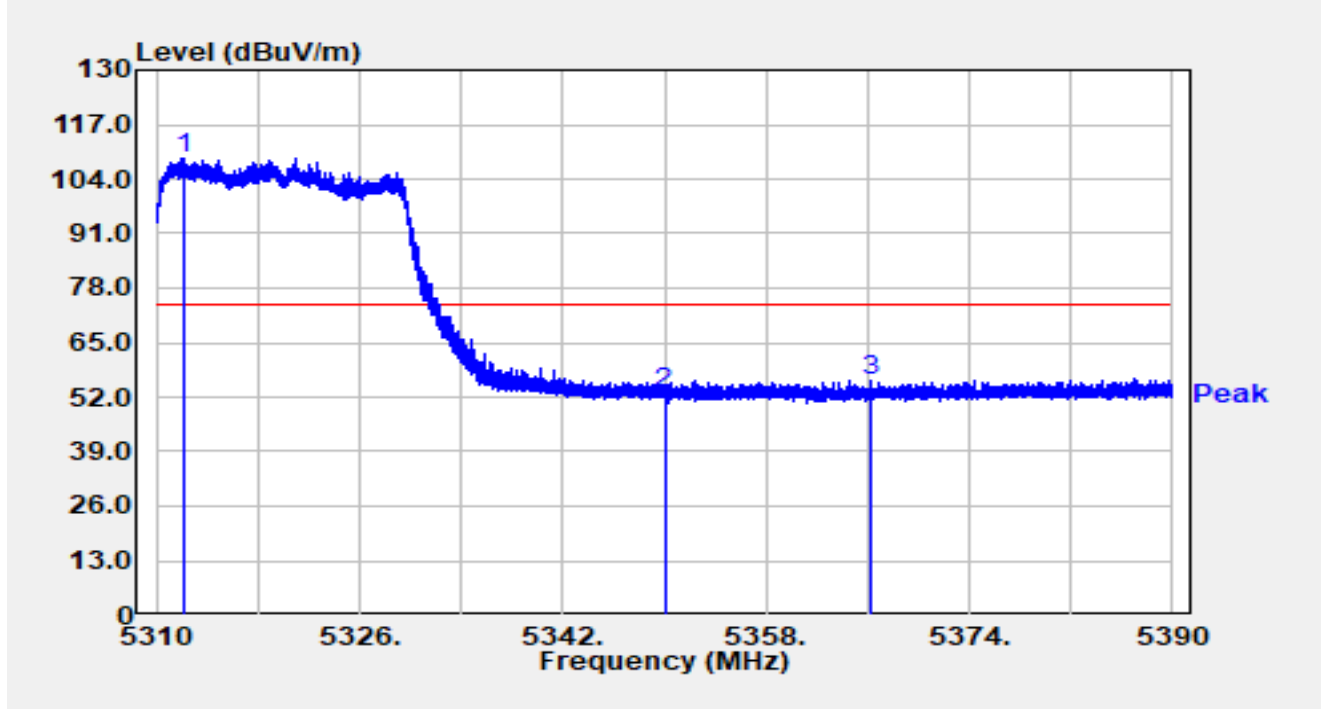


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5316.712	87.17	19.73	106.90	N/A	N/A	Average
2		5350.000	25.43	19.40	44.83	-9.17	54.00	Average
3	*	5375.920	26.74	19.49	46.23	-7.77	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5320MHz		

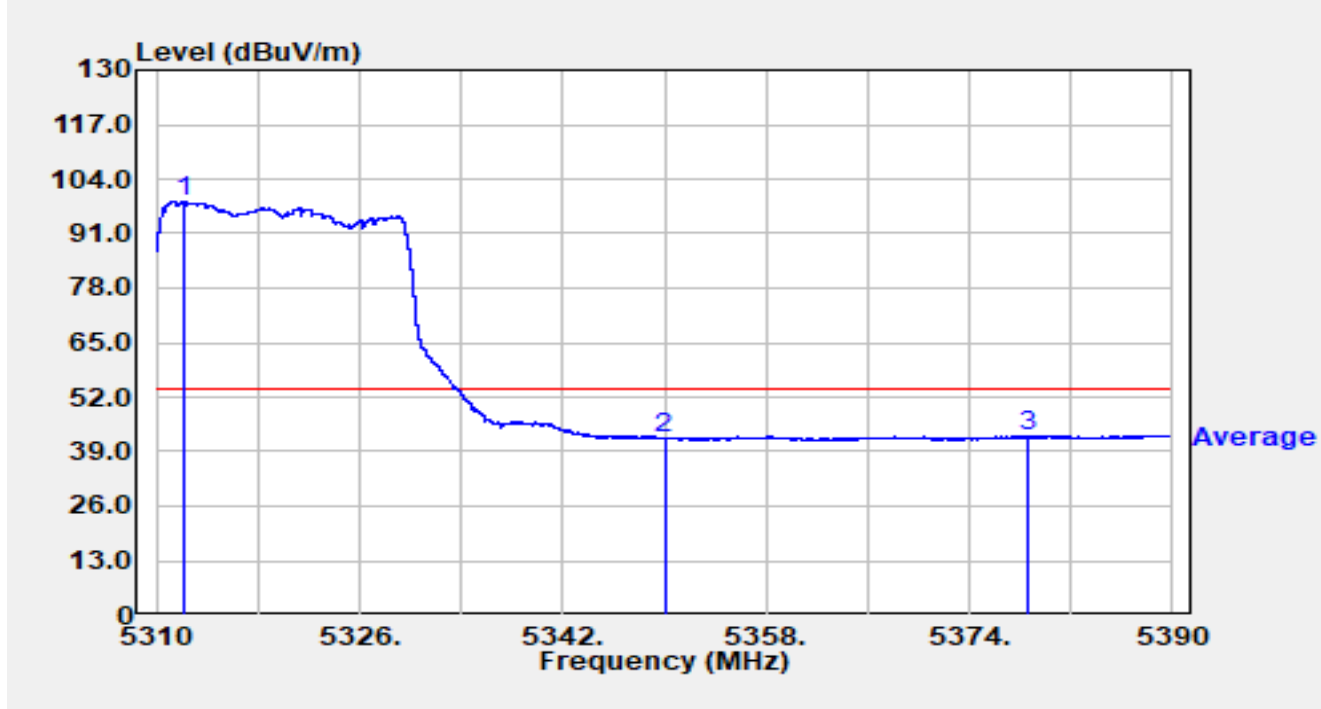


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5312.240	89.29	19.62	108.90	N/A	N/A	Peak
2		5350.000	33.68	19.40	53.08	-20.92	74.00	Peak
3	*	5366.264	36.71	19.30	56.02	-17.98	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5320MHz		

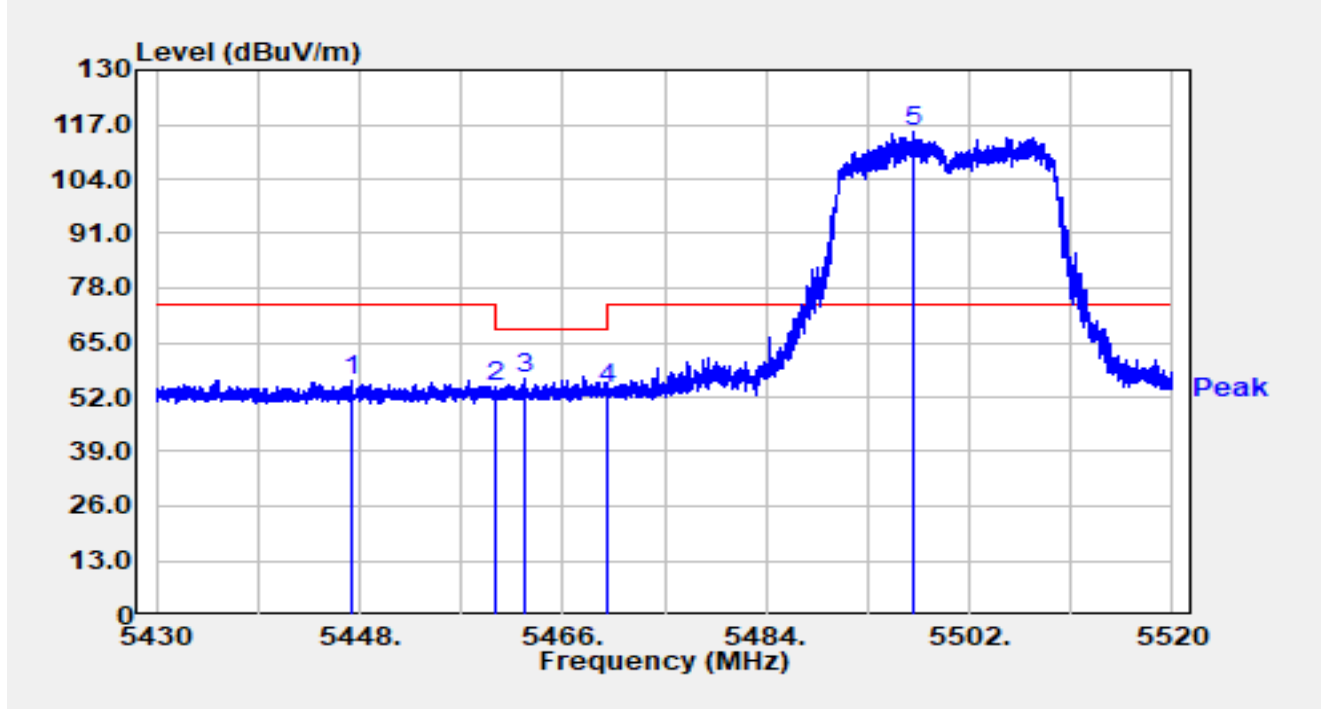


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5312.176	79.04	19.62	98.66	N/A	N/A	Average
2		5350.000	22.88	19.40	42.28	-11.72	54.00	Average
3	*	5378.704	23.16	19.56	42.72	-11.28	54.00	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5500MHz		

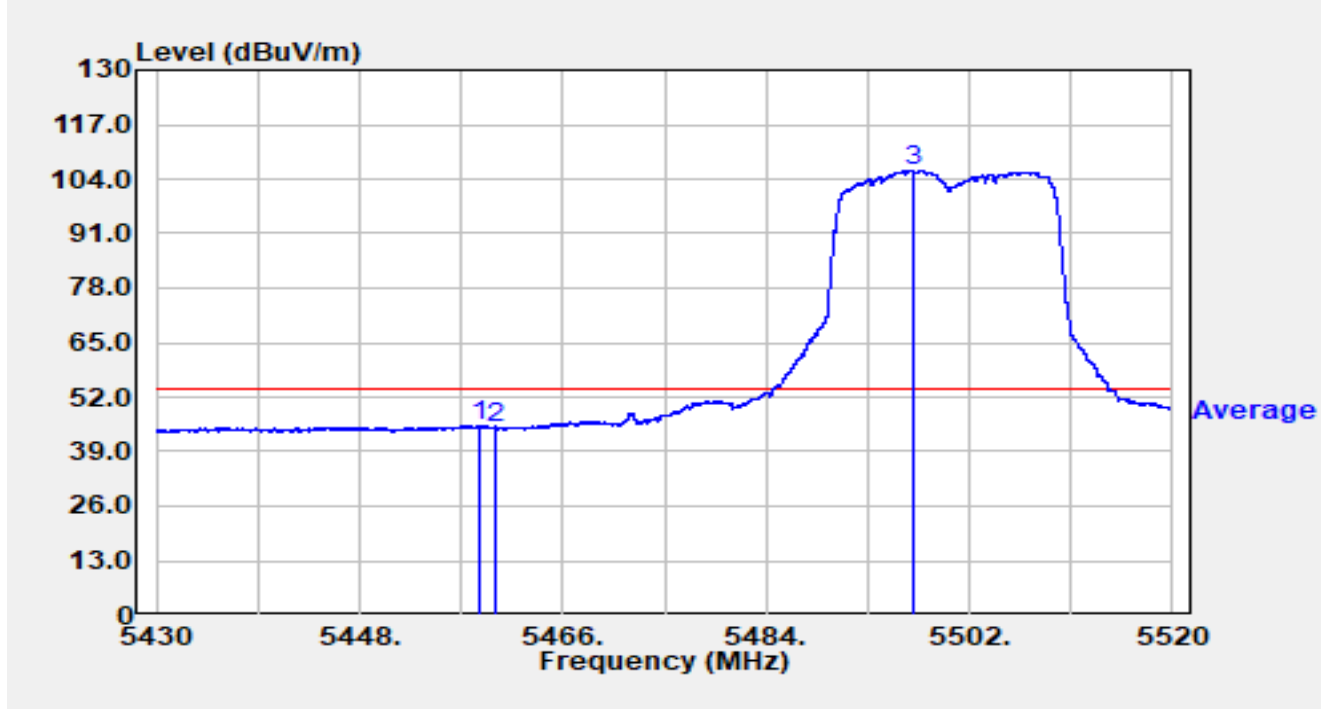


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5447.370	36.28	19.65	55.93	-18.07	74.00	Peak
2		5460.000	34.78	19.74	54.53	-19.47	74.00	Peak
3	*	5462.643	36.62	19.79	56.41	-11.79	68.20	Peak
4		5470.000	34.16	19.92	54.08	-14.12	68.20	Peak
5		5496.987	95.37	19.77	115.13	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5500MHz		

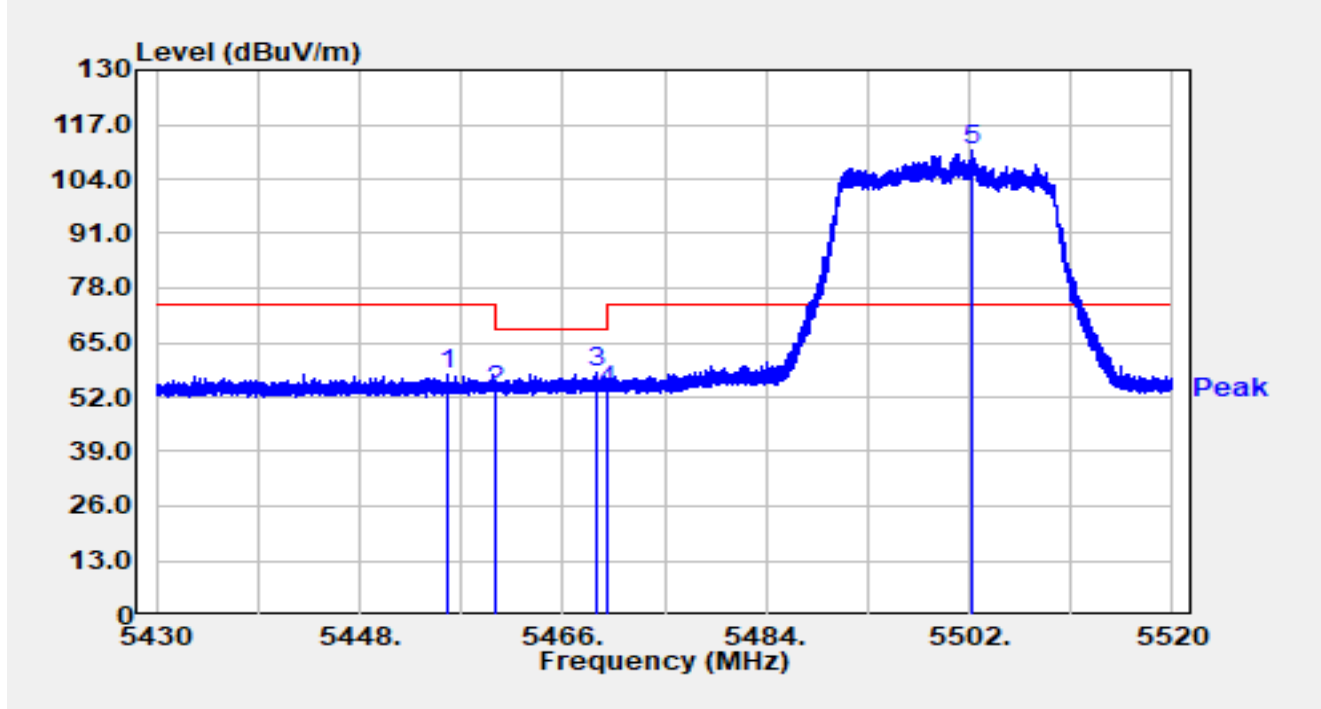


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5458.602	25.45	19.72	45.17	-8.83	54.00	Average
2		5460.000	25.04	19.74	44.78	-9.22	54.00	Average
3		5497.104	86.29	19.76	106.06	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5500MHz		

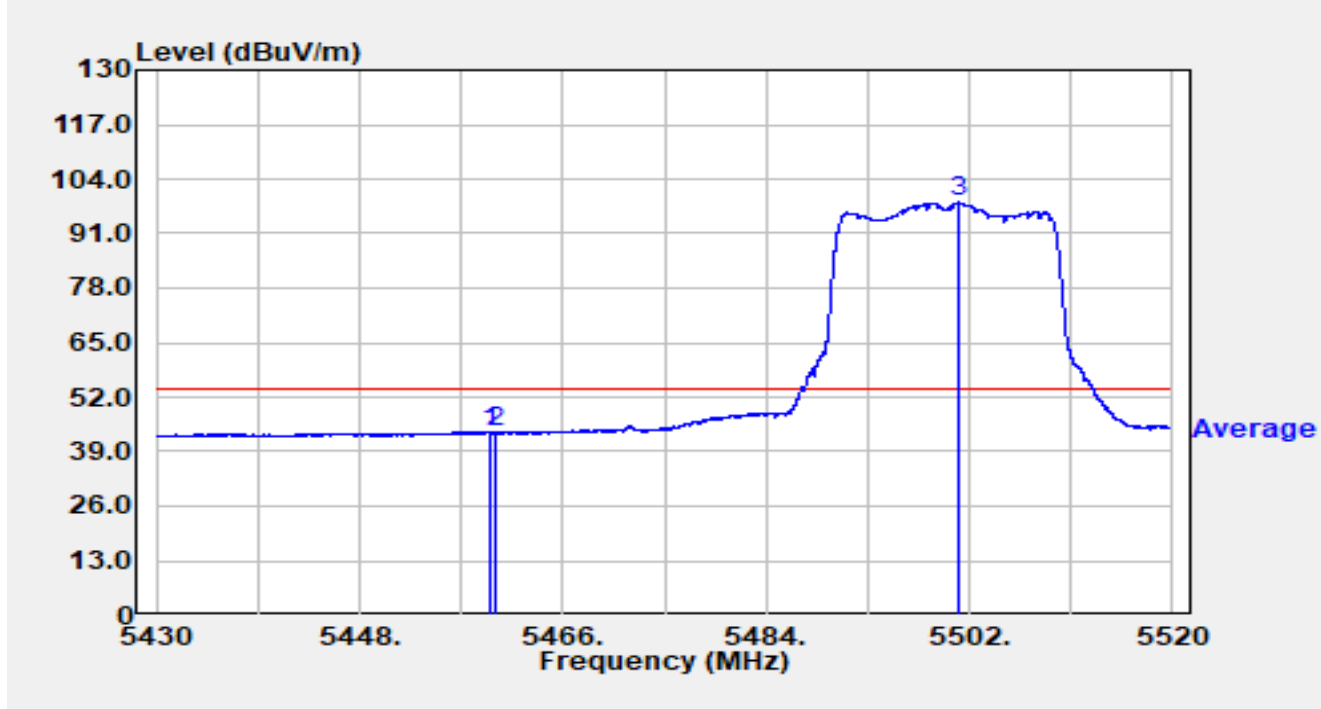


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5455.902	37.85	19.67	57.52	-16.48	74.00	Peak
2		5460.000	33.92	19.74	53.66	-14.54	68.20	Peak
3	*	5468.916	37.96	19.90	57.87	-10.33	68.20	Peak
4		5470.000	33.73	19.92	53.66	-14.54	68.20	Peak
5		5502.315	91.12	19.70	110.82	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5500MHz		

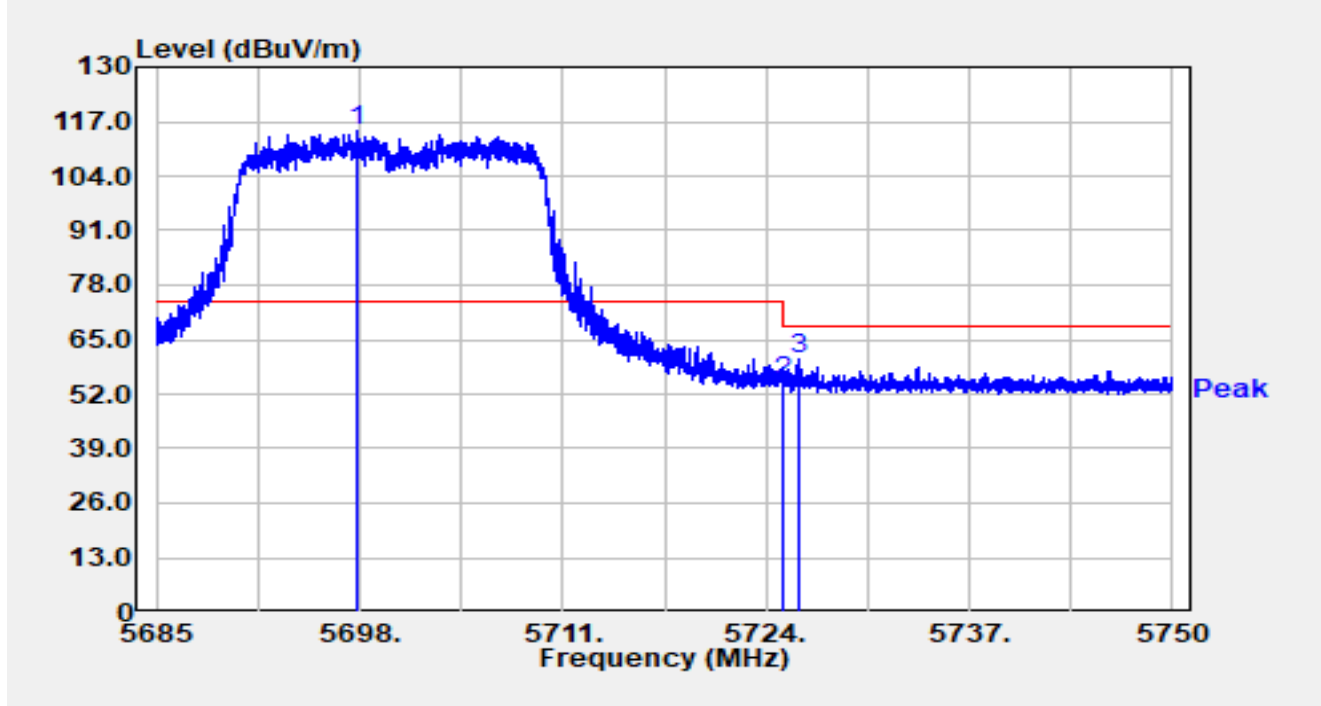


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5459.466	24.08	19.73	43.81	-10.19	54.00	Average
2		5460.000	23.71	19.74	43.45	-10.55	54.00	Average
3		5501.073	78.66	19.71	98.38	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5700MHz		

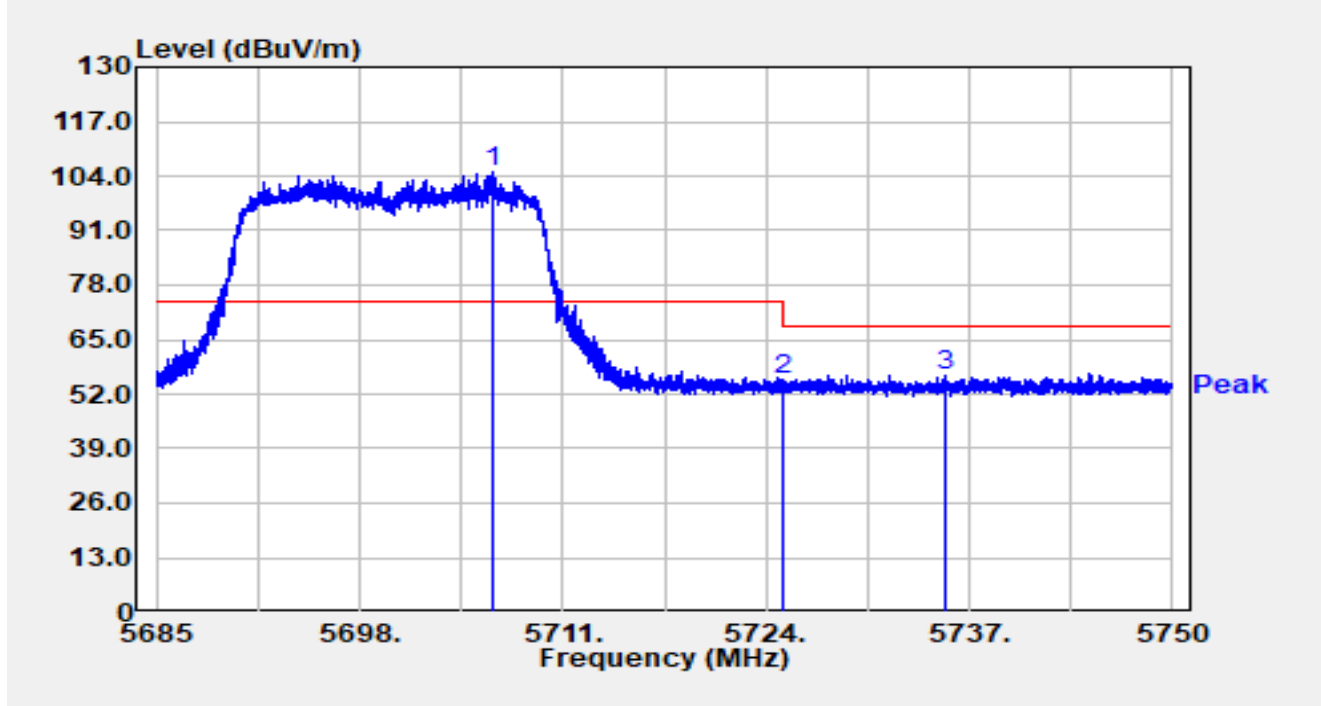


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5697.896	93.62	20.93	114.55	N/A	N/A	Peak
2		5725.000	33.89	21.24	55.13	-13.07	68.20	Peak
3	*	5726.028	39.20	21.25	60.44	-7.76	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5700MHz		

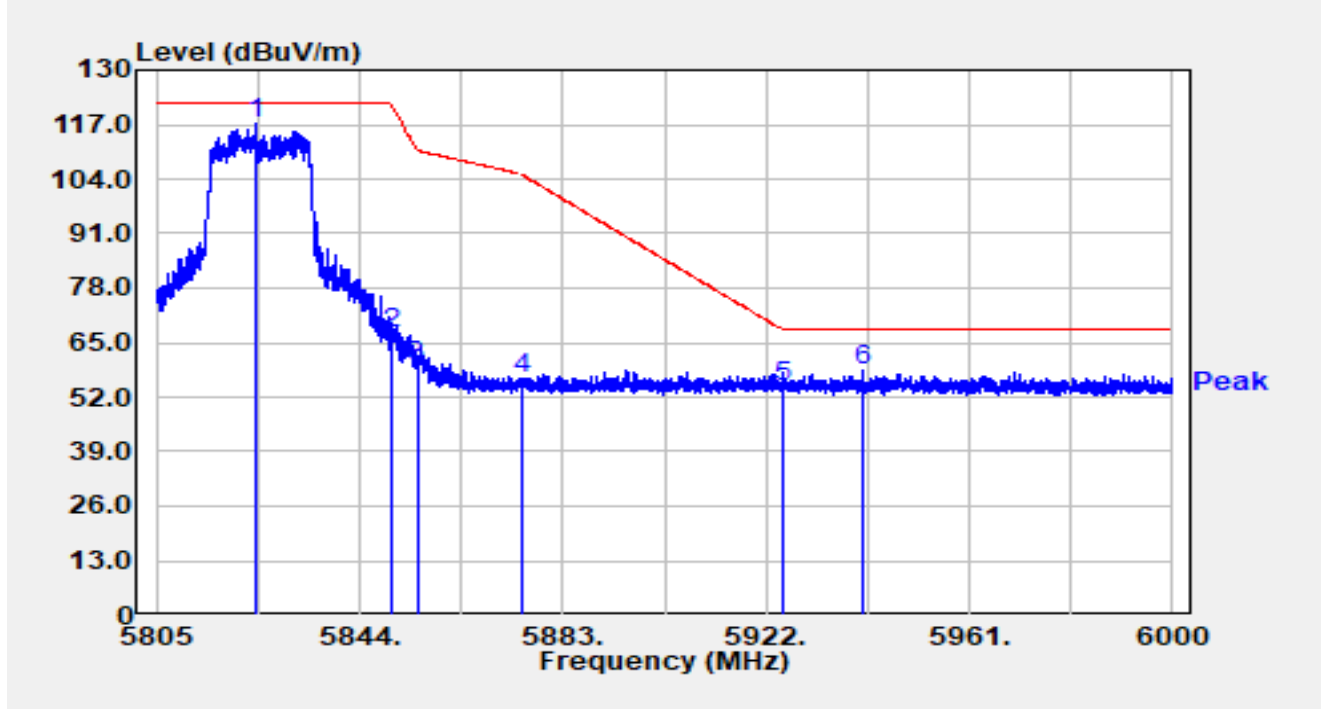


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5706.489	84.02	21.06	105.08	N/A	N/A	Peak
2		5725.000	34.01	21.24	55.25	-12.95	68.20	Peak
3	*	5635.446	35.45	21.15	56.60	-11.60	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5825MHz		

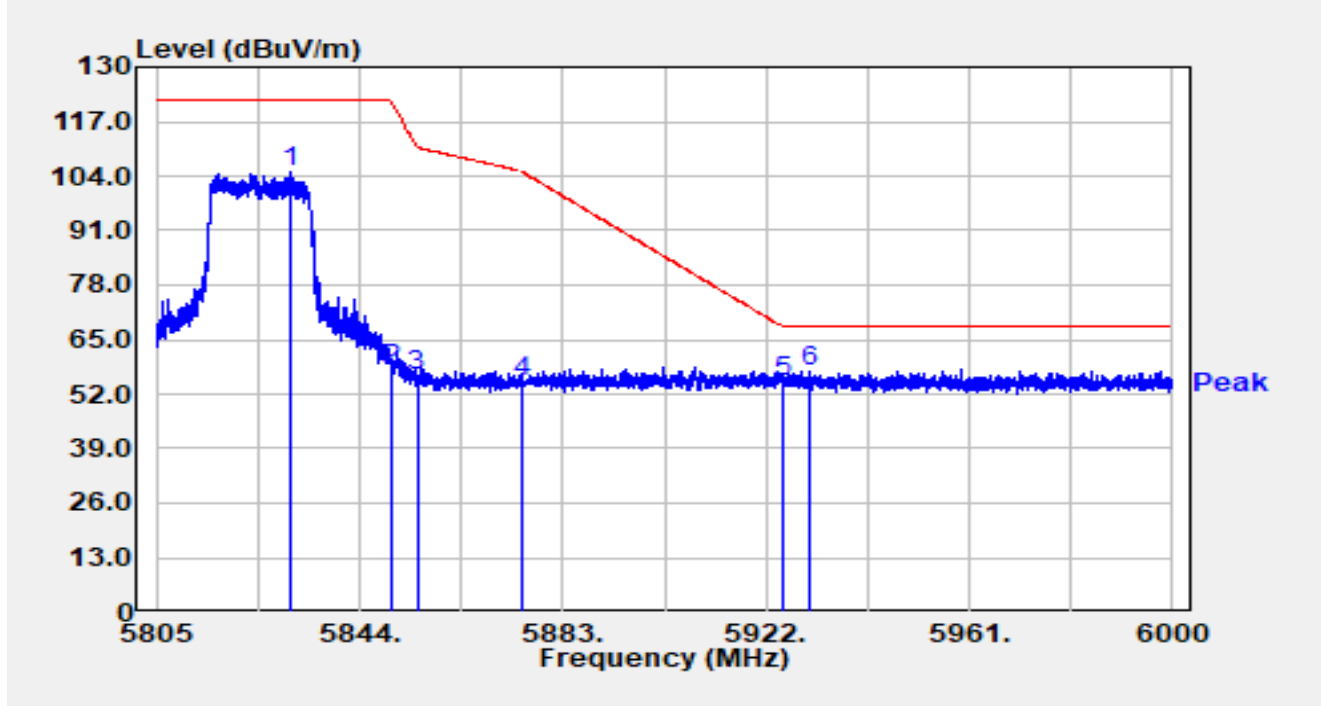


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5824.208	96.04	21.37	117.42	N/A	N/A	Peak
2		5850.000	45.89	21.49	67.38	-54.82	122.20	Peak
3		5855.000	37.65	21.54	59.19	-51.61	110.80	Peak
4		5875.000	34.70	21.60	56.30	-48.90	105.20	Peak
5		5925.000	33.06	21.59	54.65	-13.55	68.20	Peak
6	*	5940.389	36.54	21.63	58.17	-10.03	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5825MHz		

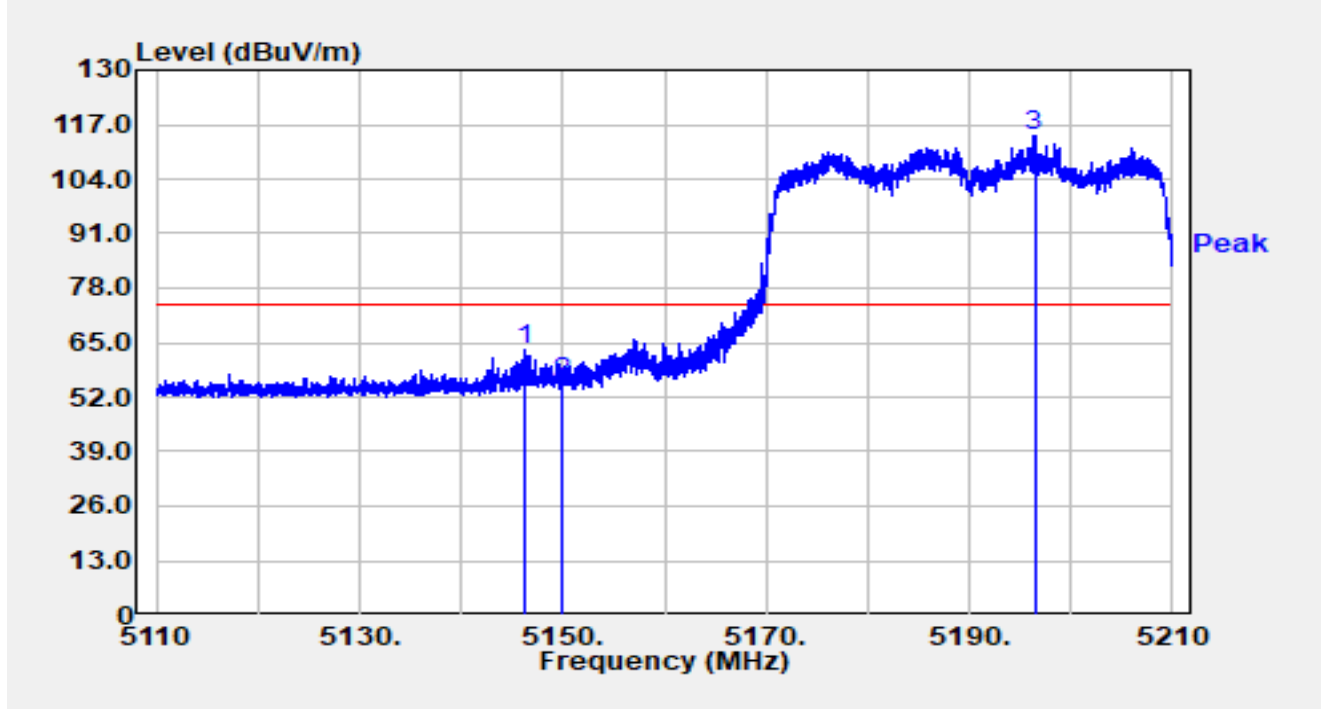


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5830.935	83.45	21.37	104.83	N/A	N/A	Peak
2		5850.000	36.34	21.49	57.83	-64.37	122.20	Peak
3		5855.000	34.69	21.54	56.23	-54.57	110.80	Peak
4		5875.000	33.41	21.60	55.01	-50.19	105.20	Peak
5		5925.000	33.55	21.59	55.14	-13.06	68.20	Peak
6	*	5930.288	36.02	21.62	57.64	-10.56	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5190MHz		

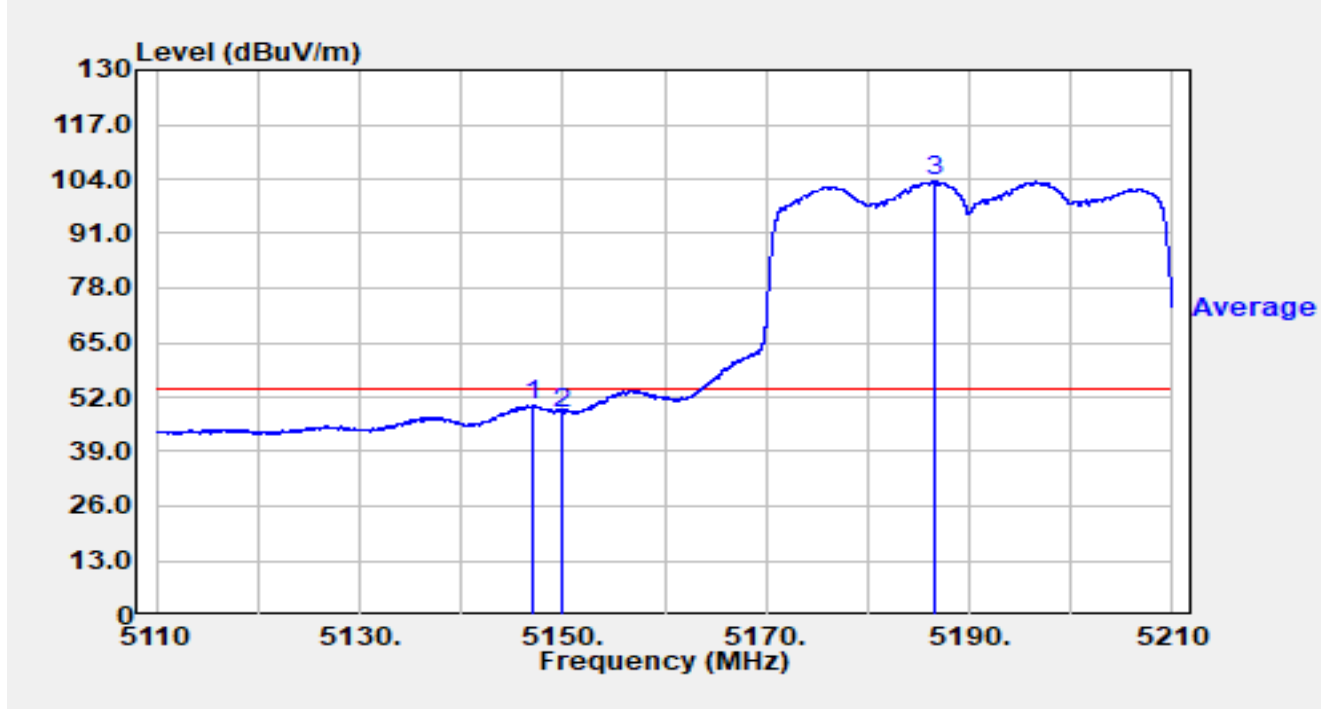


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5146.150	43.56	19.75	63.31	-10.69	74.00	Peak
2		5150.000	35.66	19.78	55.44	-18.56	74.00	Peak
3		5196.420	94.92	19.32	114.24	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5190MHz		

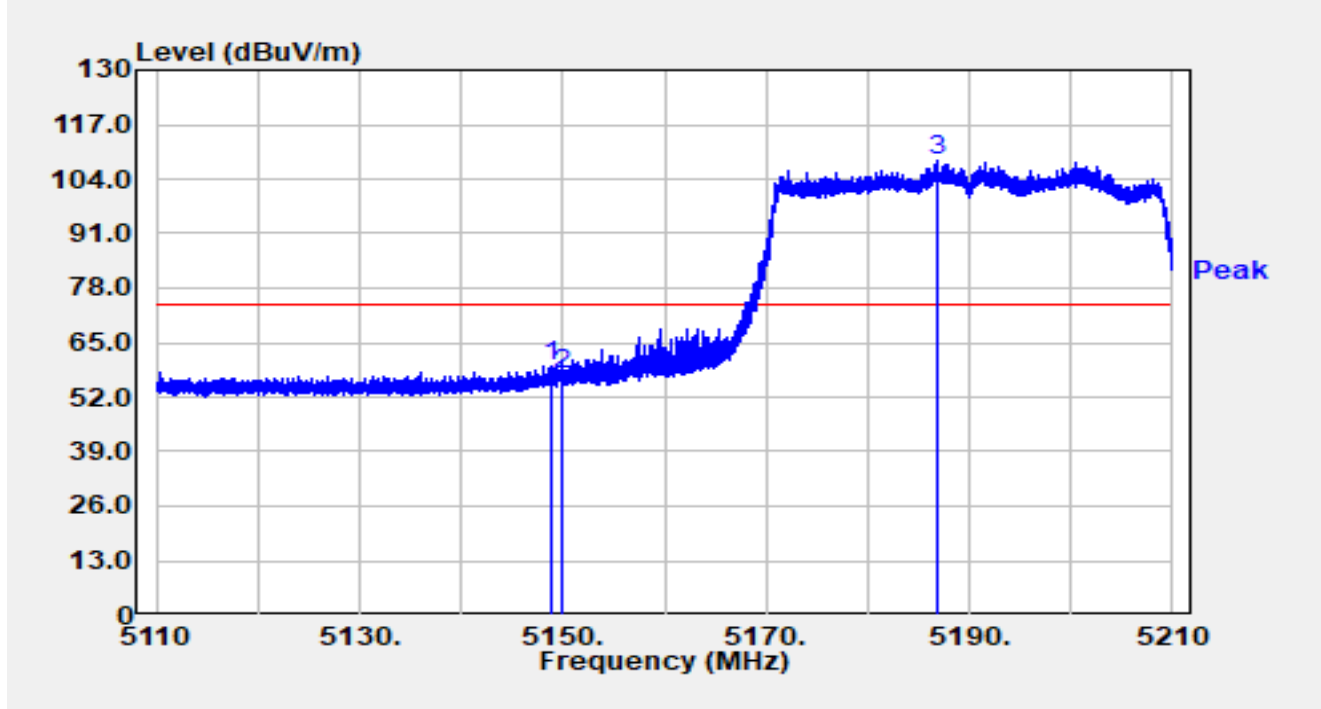


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5147.140	30.22	19.76	49.98	-4.02	54.00	Average
2		5150.000	28.48	19.78	48.26	-5.74	54.00	Average
3		5186.620	83.84	19.53	103.37	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5190MHz		

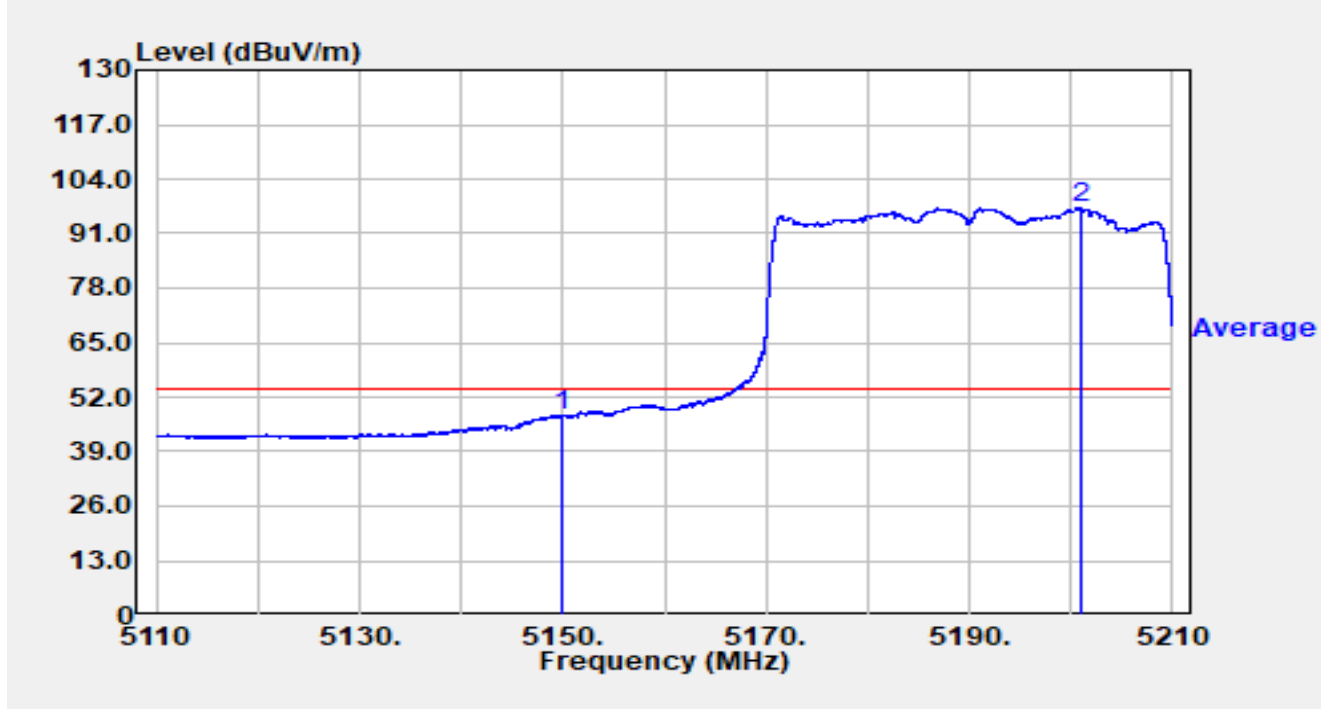


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5148.790	39.71	19.78	59.48	-14.52	74.00	Peak
2		5150.000	37.71	19.78	57.50	-16.50	74.00	Peak
3		5186.890	88.98	19.52	108.50	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5190MHz		

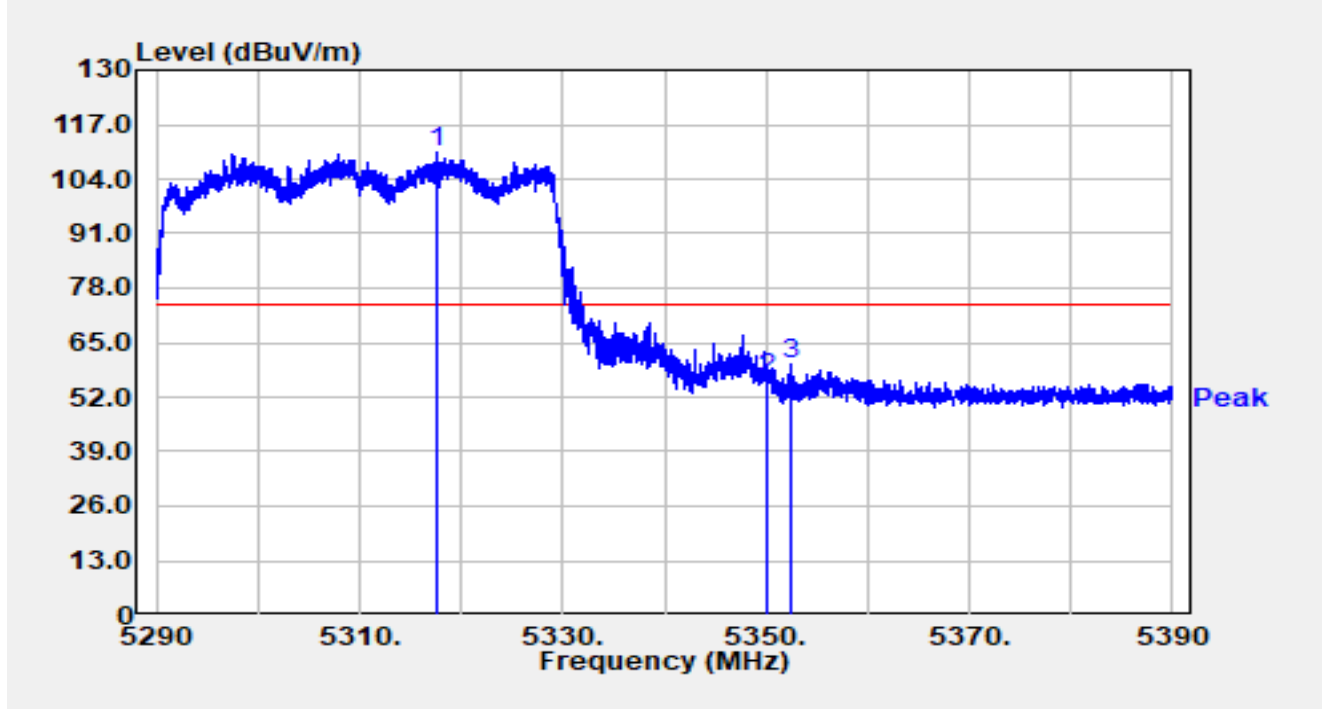


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5150.000	27.95	19.78	47.73	-6.27	54.00	Average
2		5200.930	77.73	19.27	97.00	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		

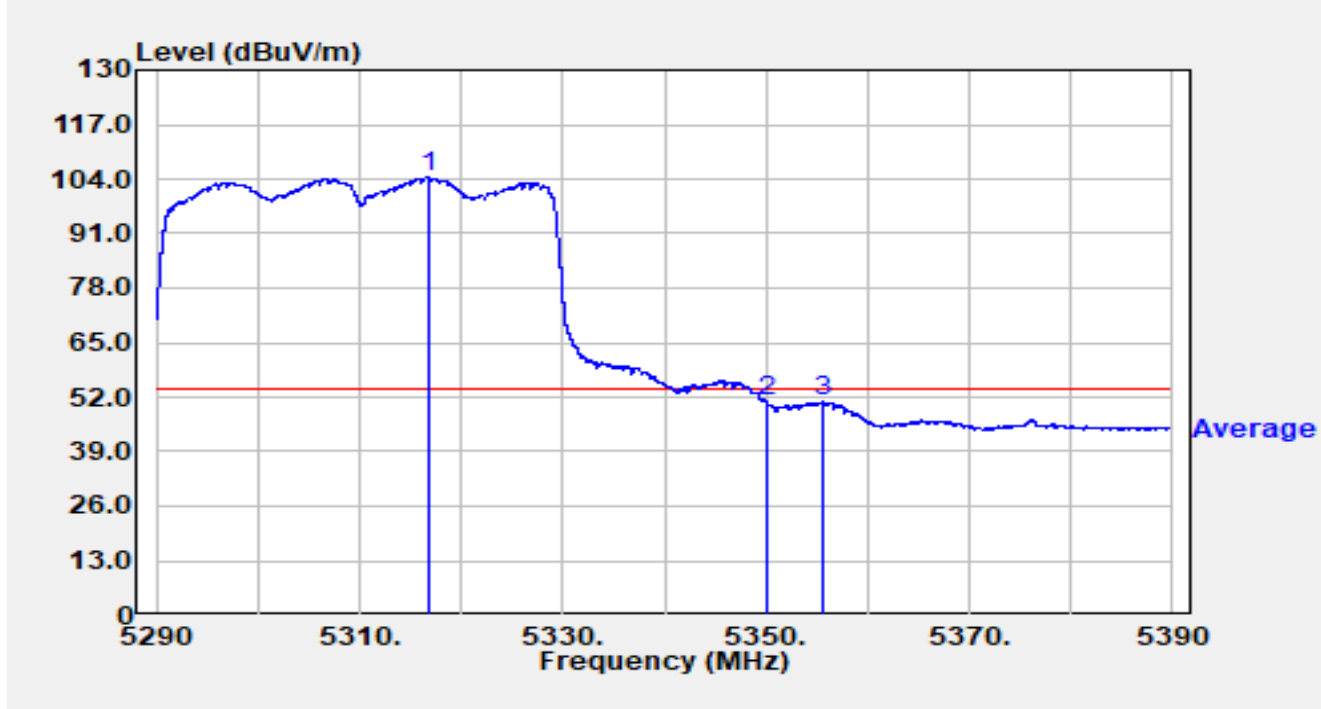


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5317.680	90.64	19.75	110.39	N/A	N/A	Peak
2		5350.000	36.93	19.40	56.33	-17.67	74.00	Peak
3	*	5352.390	40.42	19.35	59.78	-14.22	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		

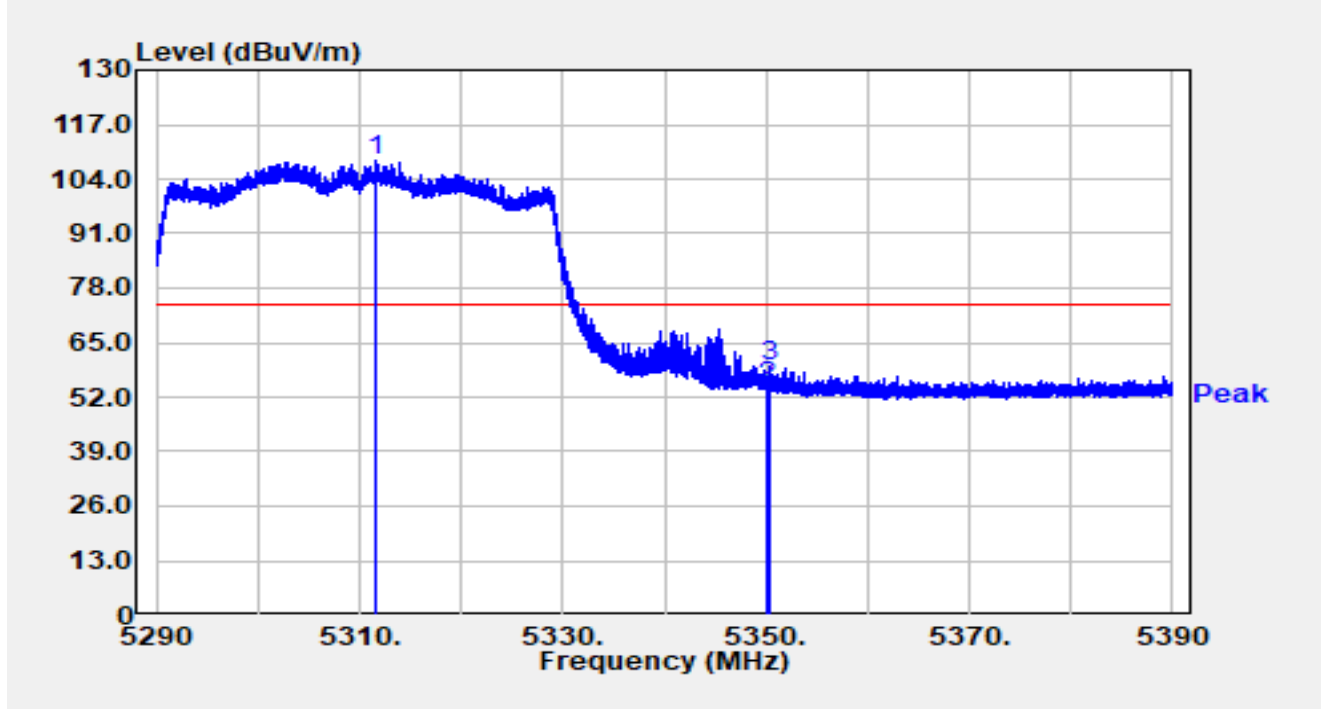


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5316.710	84.73	19.73	104.46	N/A	N/A	Average
2	*	5350.000	31.55	19.40	50.95	-3.05	54.00	Average
3		5355.630	31.45	19.34	50.79	-3.21	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		

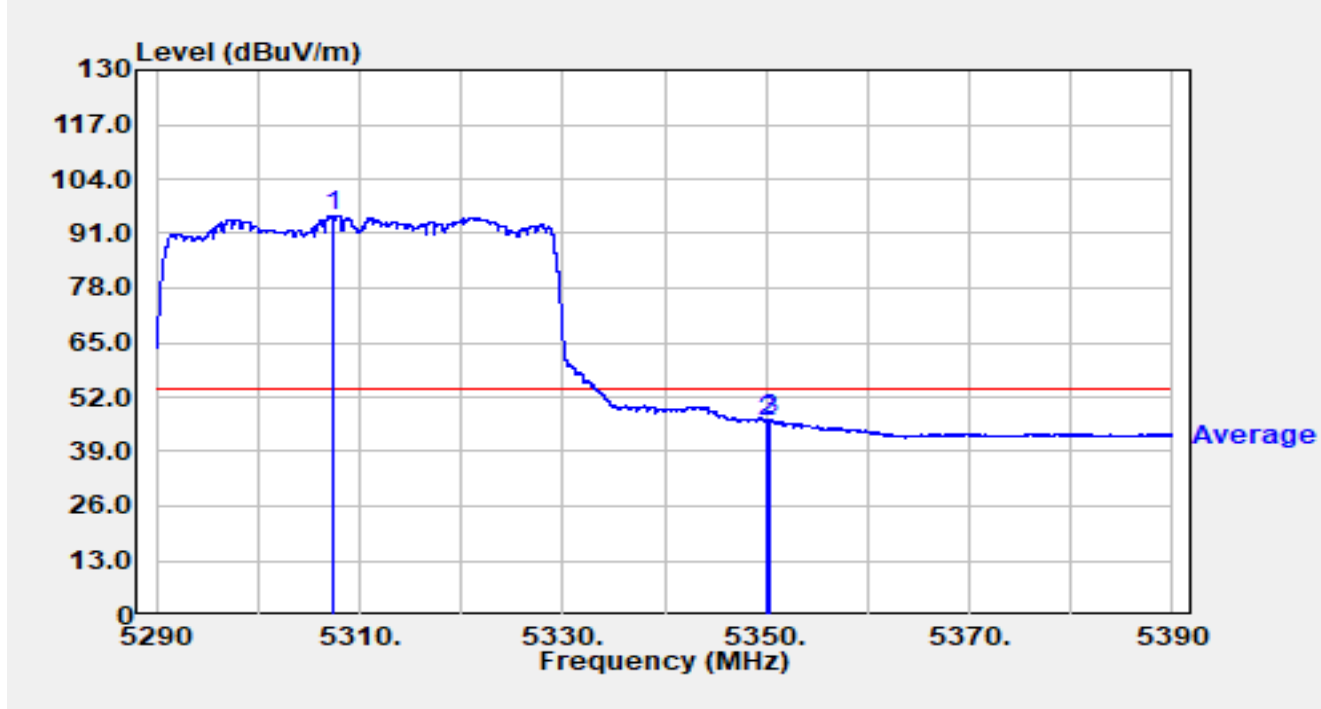


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5311.500	88.84	19.60	108.44	N/A	N/A	Peak
2		5350.000	35.09	19.40	54.49	-19.51	74.00	Peak
3	*	5350.270	39.86	19.39	59.25	-14.75	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5310MHz		

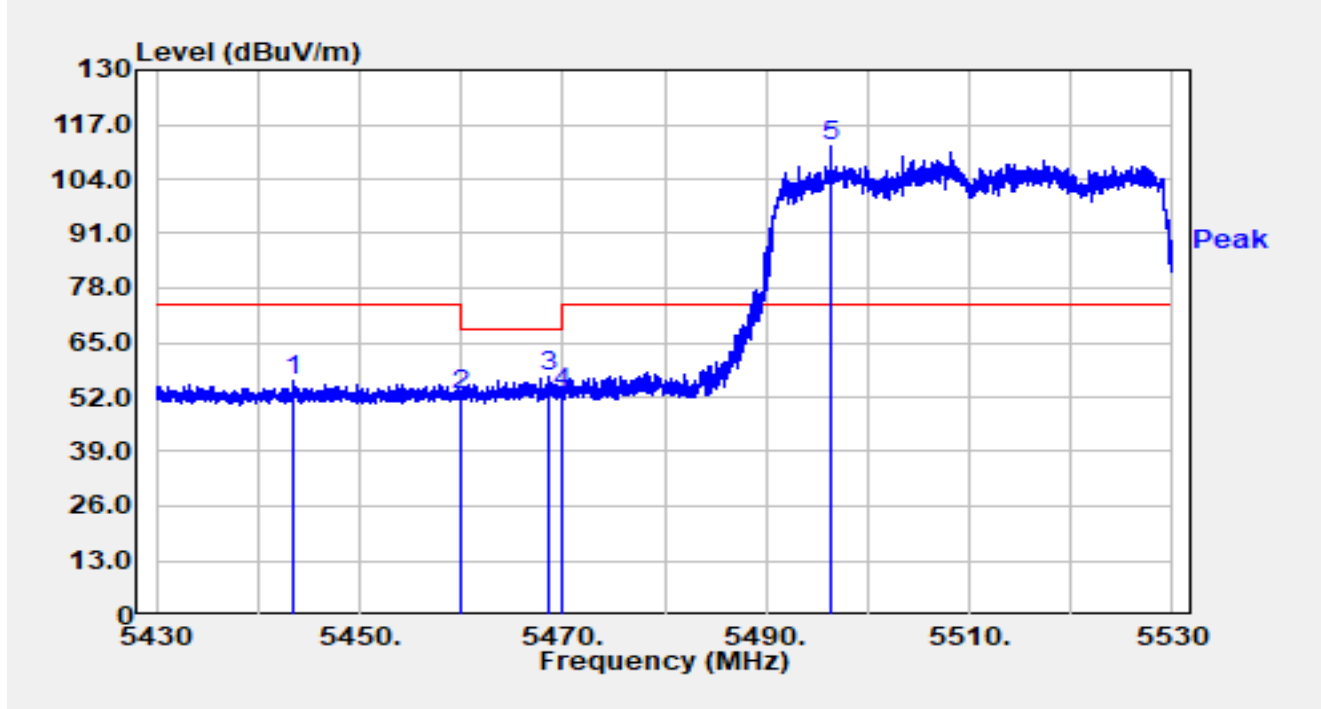


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5307.300	75.72	19.52	95.24	N/A	N/A	Average
2		5350.000	26.63	19.40	46.03	-7.97	54.00	Average
3	*	5350.300	27.23	19.39	46.63	-7.37	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5510MHz		

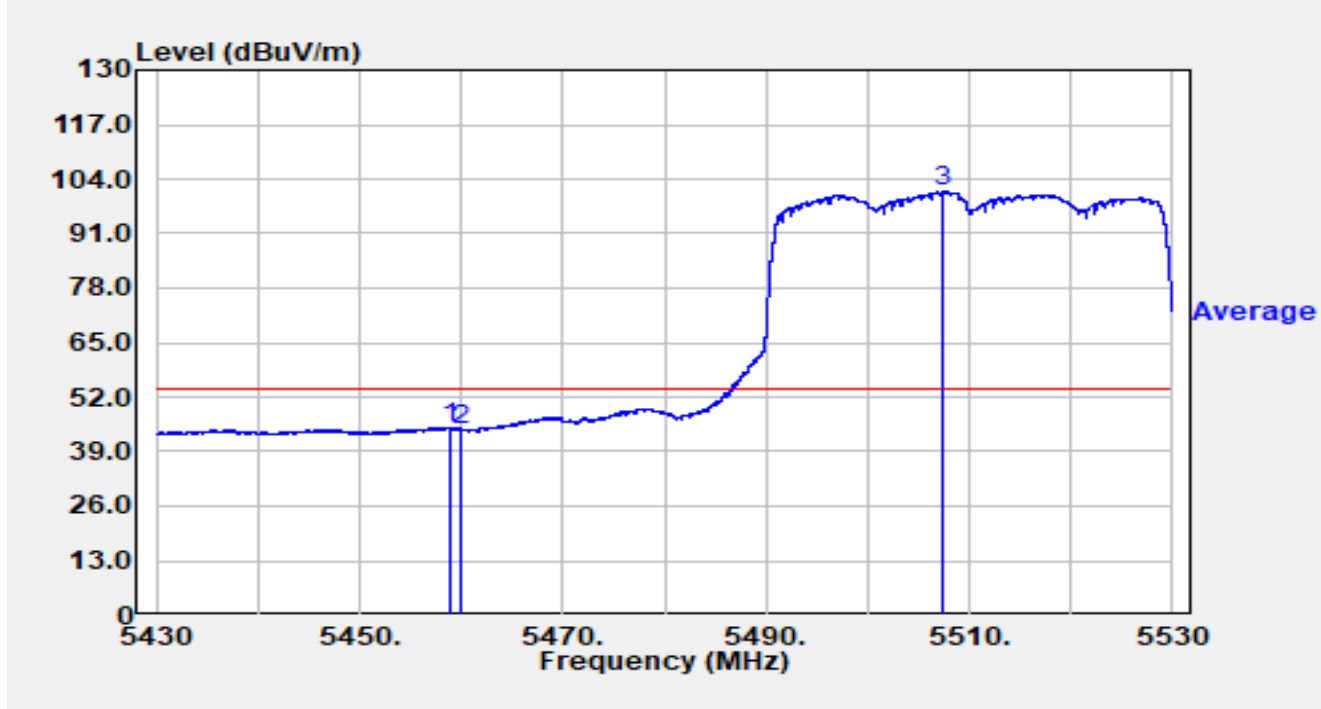


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5443.440	36.05	19.66	55.71	-18.29	74.00	Peak
2		5460.000	32.86	19.74	52.60	-15.60	68.20	Peak
3	*	5468.610	37.22	19.90	57.12	-11.08	68.20	Peak
4		5470.000	33.04	19.92	52.96	-15.24	68.20	Peak
5		5496.400	91.85	19.77	111.63	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5510MHz		

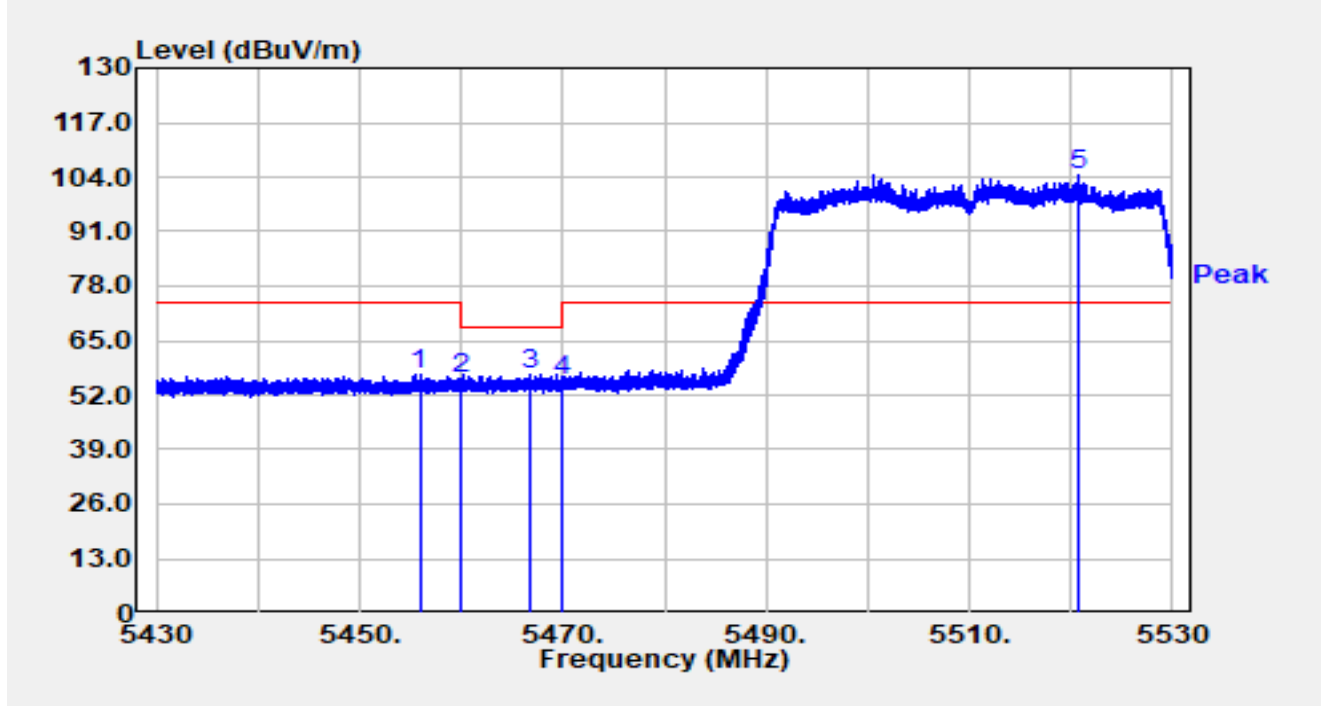


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5458.870	25.11	19.72	44.83	-9.17	54.00	Average
2		5460.000	24.52	19.74	44.26	-9.74	54.00	Average
3		5507.430	81.31	19.63	100.94	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5510MHz		

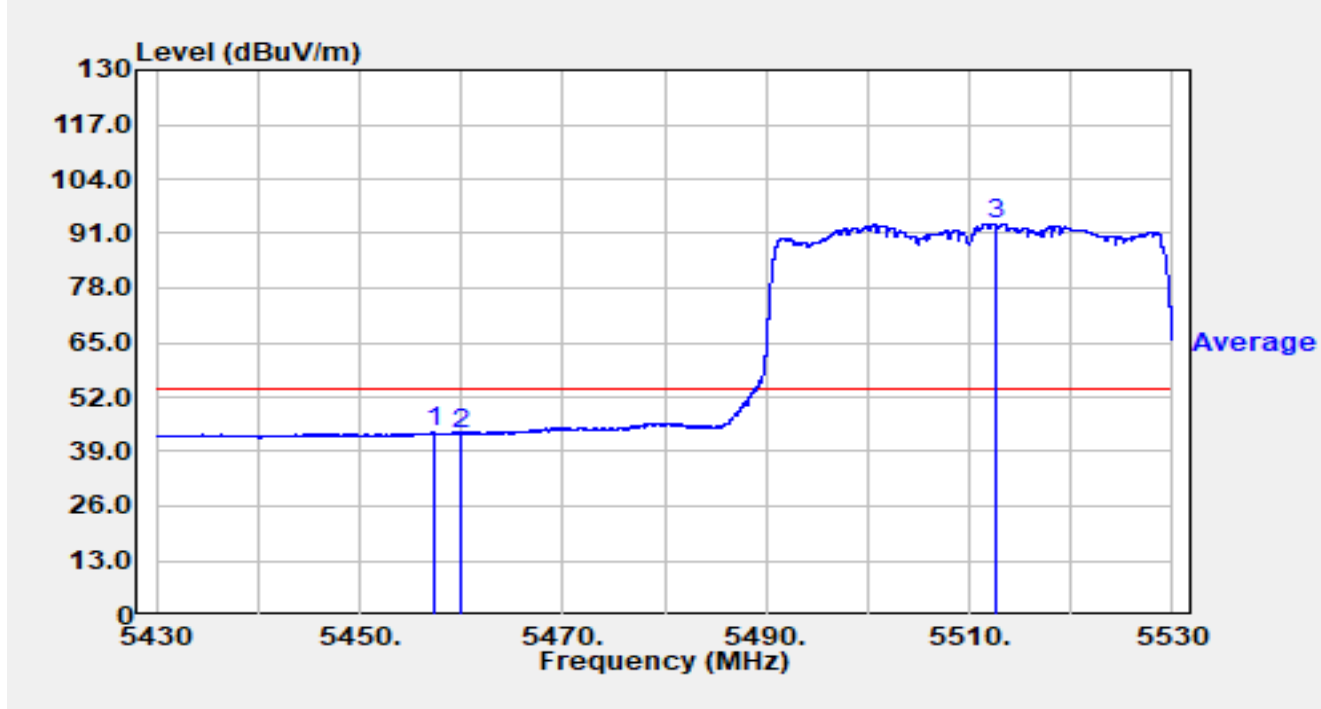


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5455.900	37.30	19.67	56.97	-17.03	74.00	Peak
2		5460.000	36.18	19.74	55.93	-12.27	68.20	Peak
3	*	5466.840	36.95	19.86	56.82	-11.38	68.20	Peak
4		5470.000	35.43	19.92	55.35	-12.85	68.20	Peak
5		5520.840	84.98	19.51	104.49	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5510MHz		

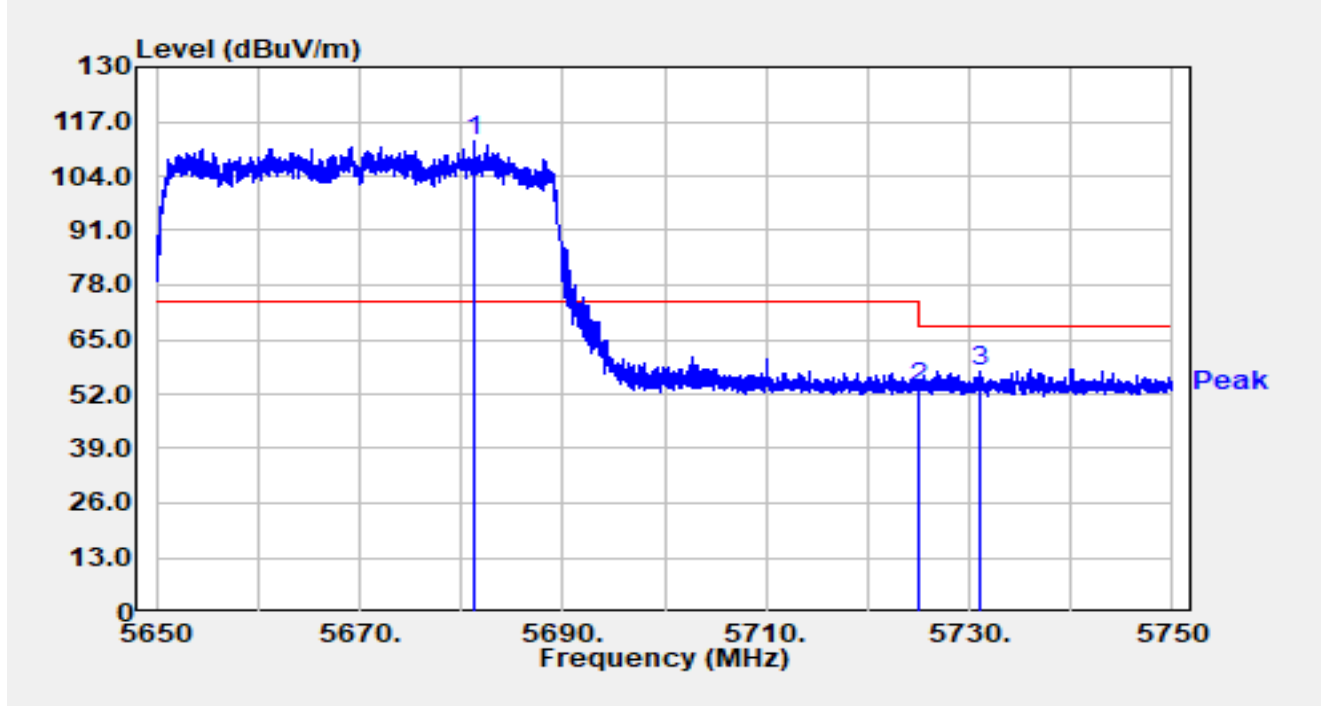


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5457.350	23.86	19.69	43.55	-10.45	54.00	Average
2		5460.000	23.55	19.74	43.30	-10.70	54.00	Average
3		5512.680	73.80	19.56	93.36	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5670MHz		

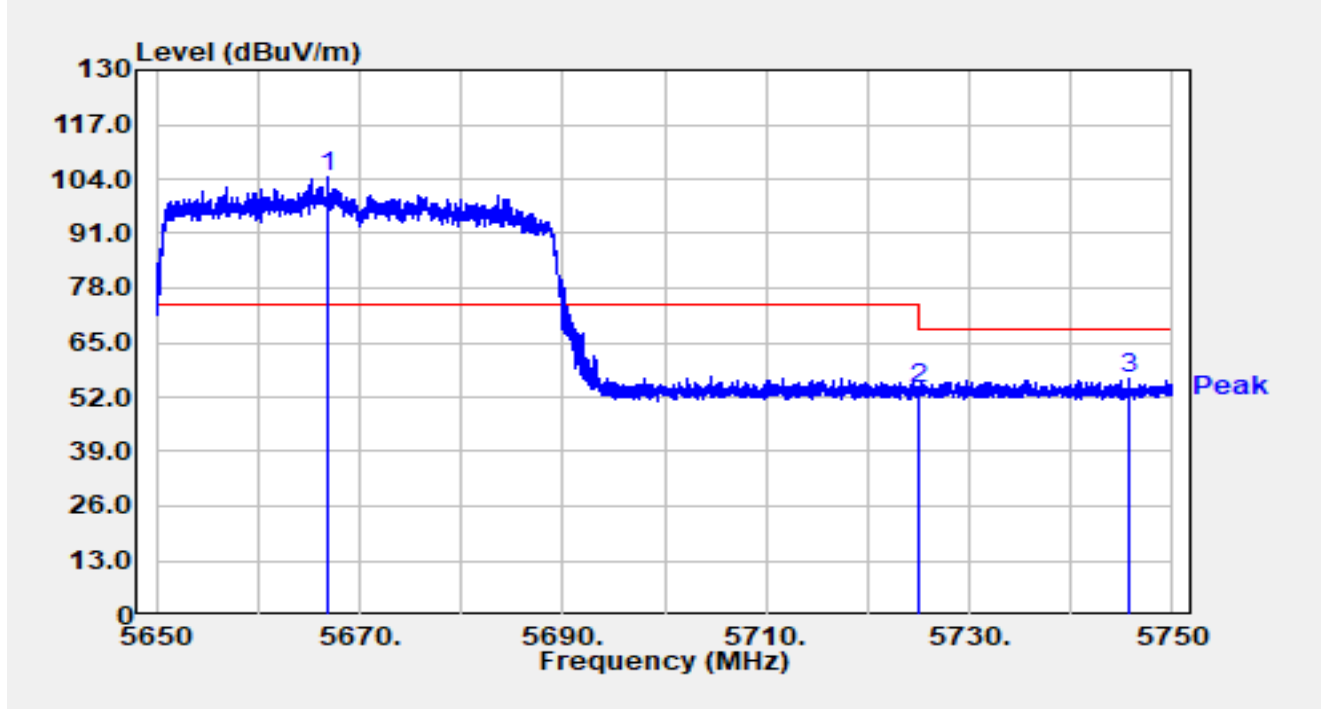


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5681.310	91.59	20.65	112.24	N/A	N/A	Peak
2		5725.000	32.34	21.24	53.58	-14.62	68.20	Peak
3	*	5730.950	36.28	21.20	57.47	-10.73	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5670MHz		

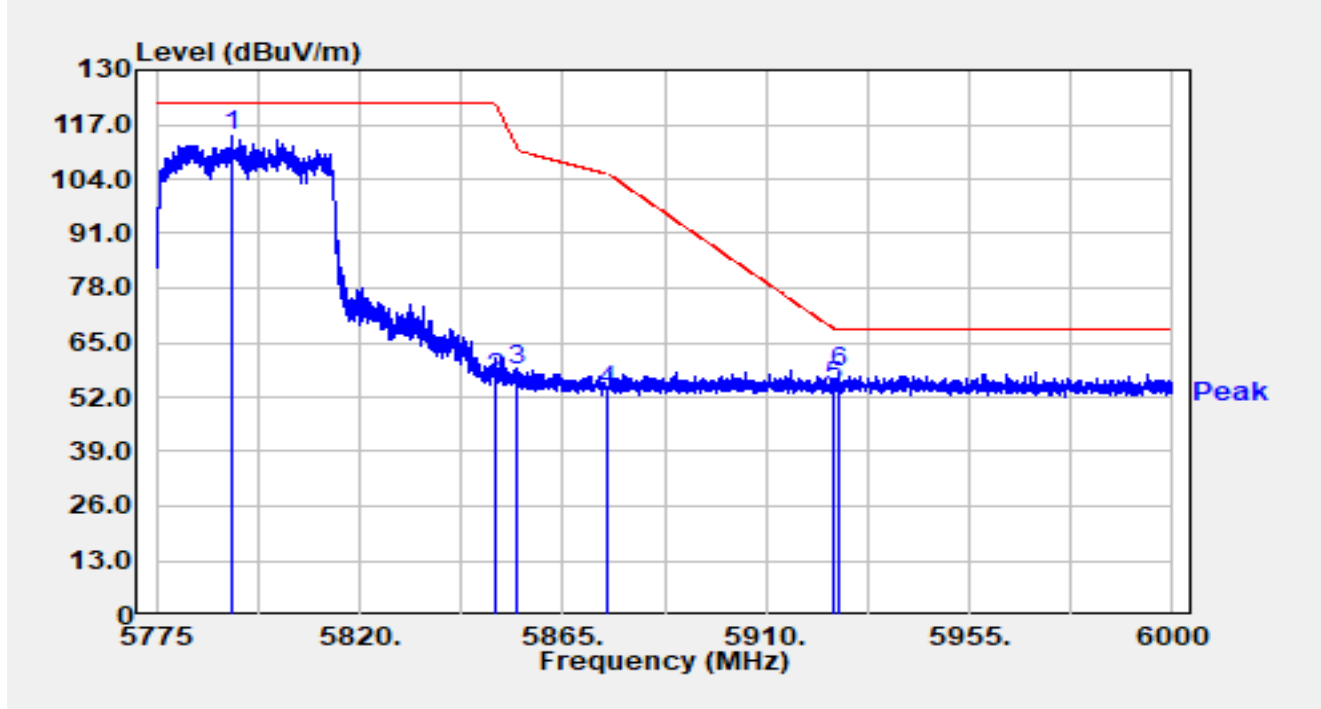


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5666.800	83.82	20.53	104.35	N/A	N/A	Peak
2		5725.000	32.54	21.24	53.78	-14.42	68.20	Peak
3	*	5745.670	35.37	21.08	56.46	-11.74	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5795MHz		

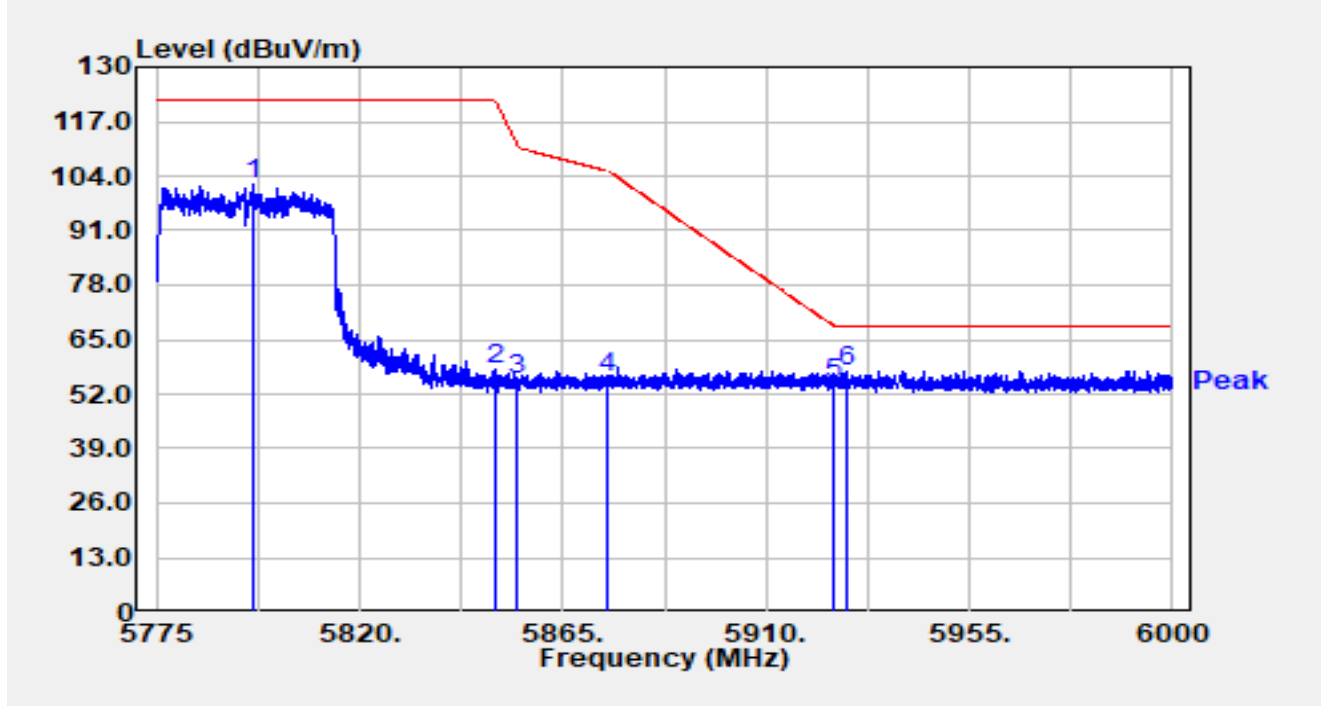


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5791.875	93.04	21.49	114.53	N/A	N/A	Peak
2		5850.000	35.02	21.49	56.51	-65.69	122.20	Peak
3		5855.000	36.64	21.54	58.18	-52.62	110.80	Peak
4		5875.000	31.69	21.60	53.29	-51.91	105.20	Peak
5		5925.000	33.04	21.59	54.63	-13.57	68.20	Peak
6	*	5925.885	36.20	21.60	57.80	-10.40	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5795MHz		

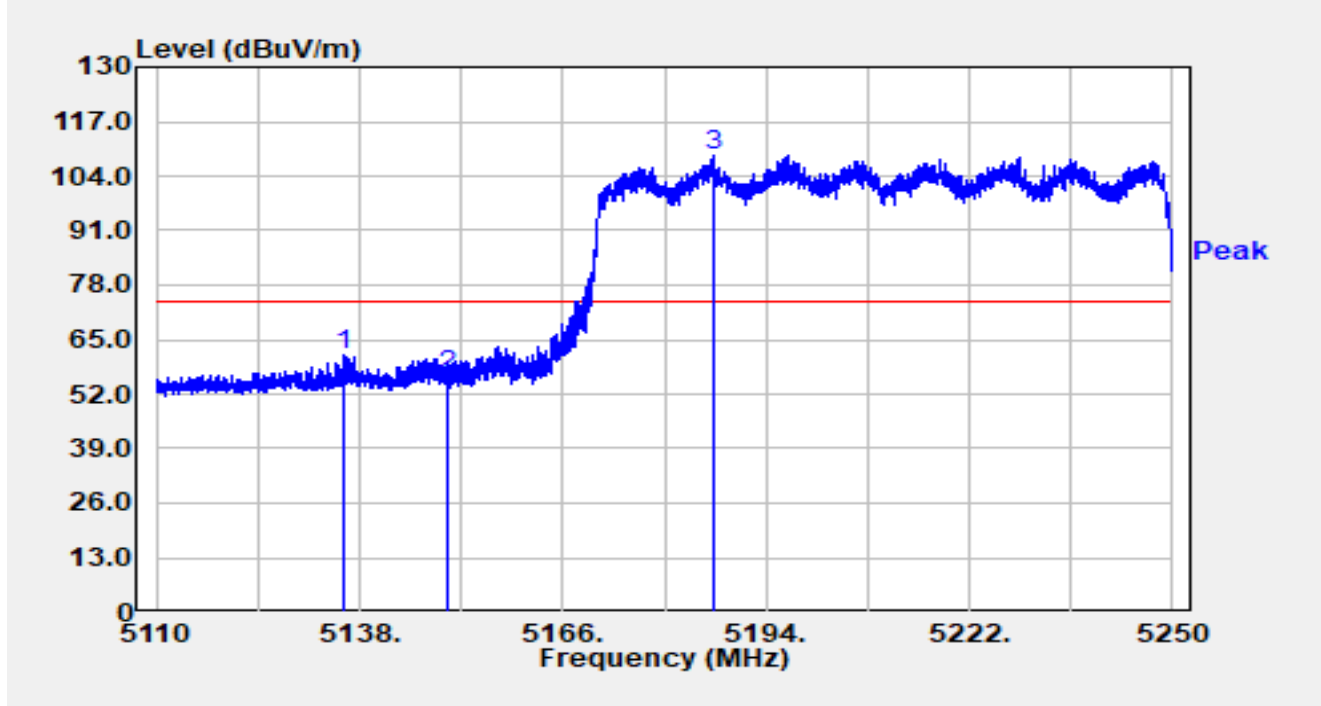


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5796.397	80.36	21.51	101.87	N/A	N/A	Peak
2		5849.993	36.55	21.49	58.04	-64.16	122.20	Peak
3		5855.000	33.80	21.54	55.33	-55.47	110.80	Peak
4		5875.000	34.52	21.60	56.12	-49.08	105.20	Peak
5		5925.000	32.71	21.59	54.31	-13.89	68.20	Peak
6	*	5927.640	35.91	21.61	57.52	-10.68	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5210MHz		

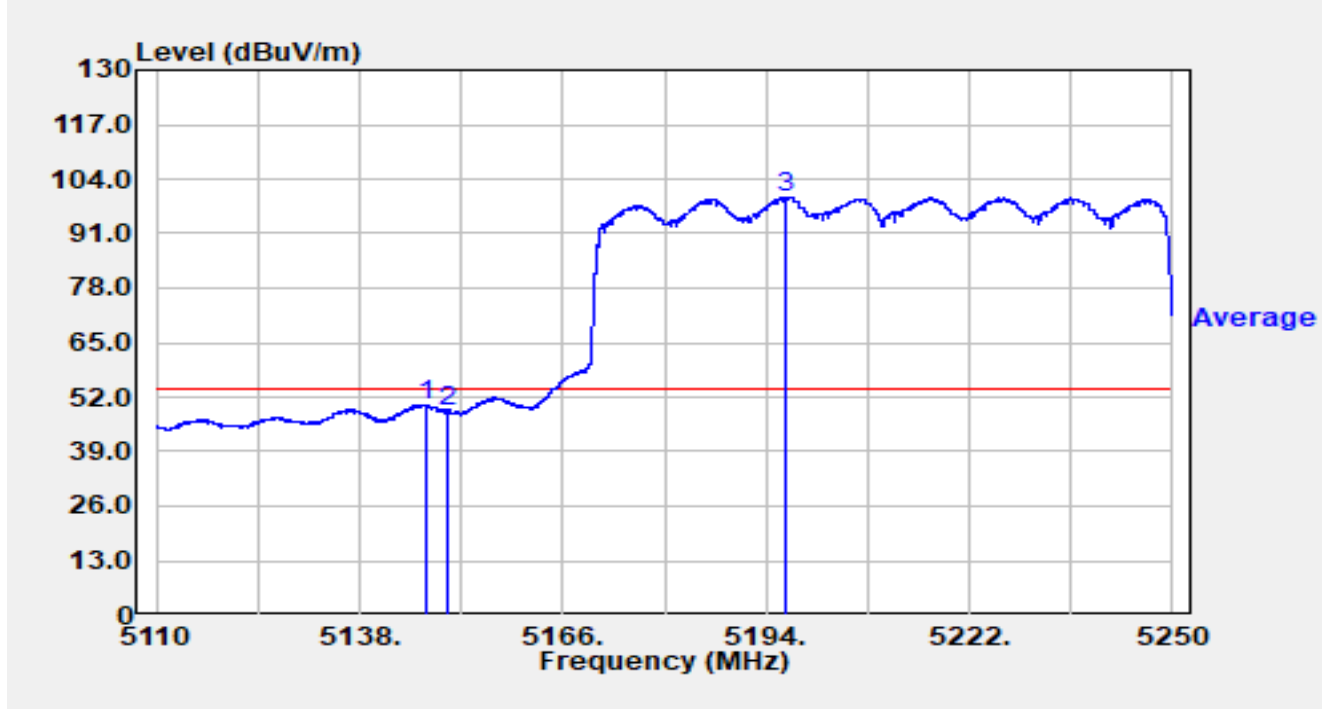


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5135.872	41.65	19.61	61.26	-12.74	74.00	Peak
2		5149.998	36.66	19.78	56.44	-17.56	74.00	Peak
3		5186.650	89.25	19.53	108.78	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5210MHz		

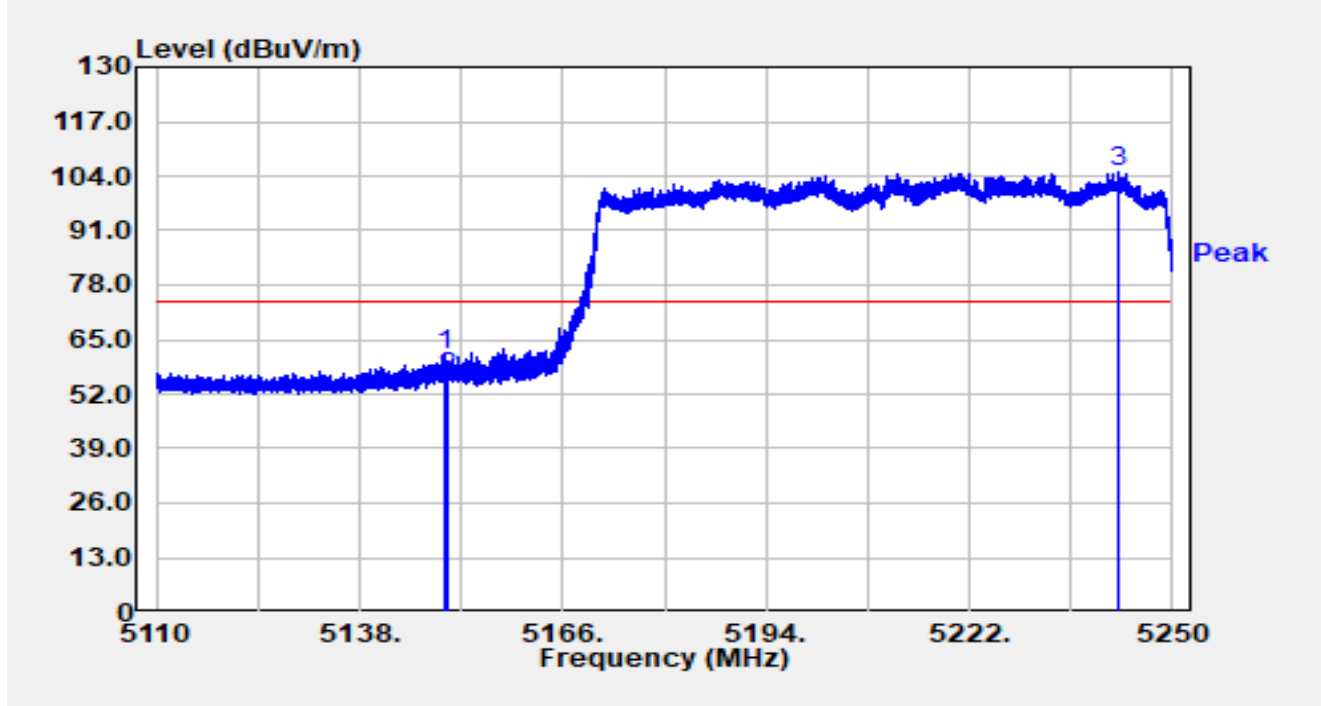


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5147.310	30.44	19.76	50.20	-3.80	54.00	Average
2		5149.998	28.87	19.78	48.65	-5.35	54.00	Average
3		5196.744	80.28	19.31	99.59	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5210MHz		

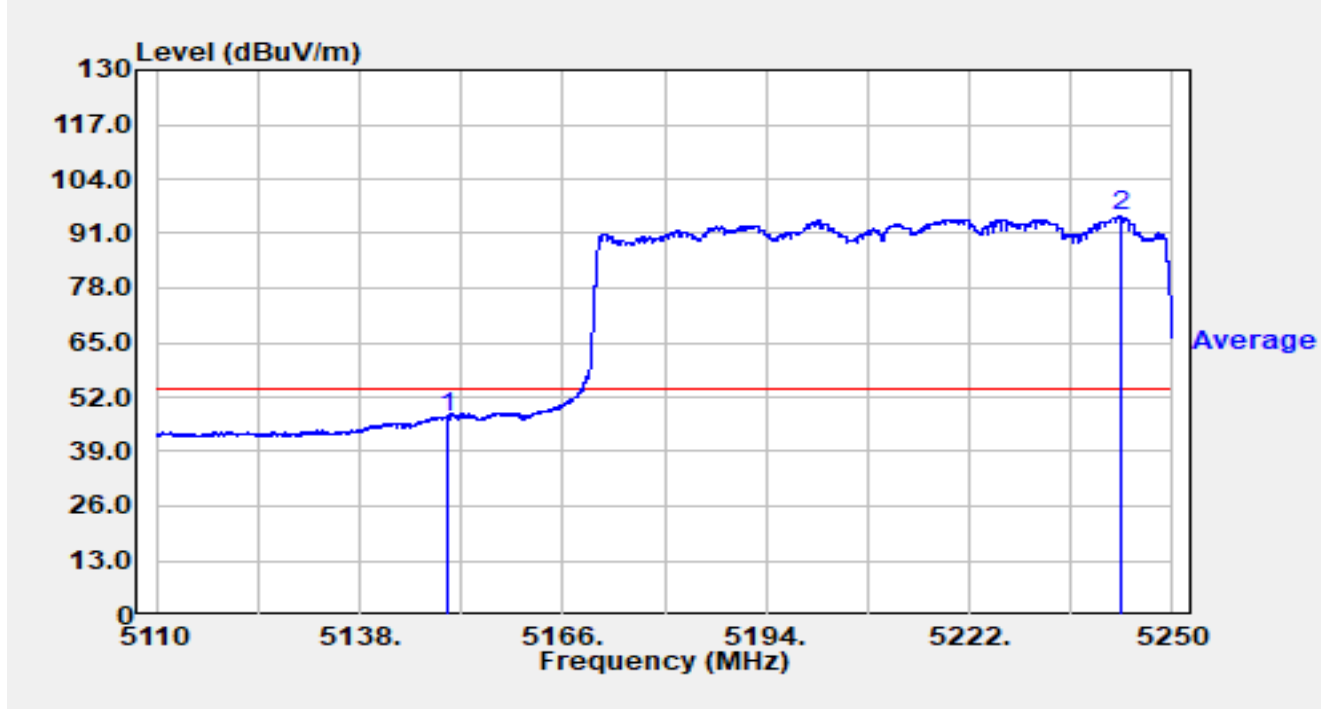


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5149.704	41.75	19.78	61.53	-12.47	74.00	Peak
2		5150.000	36.12	19.78	55.90	-18.10	74.00	Peak
3		5242.426	85.58	19.43	105.01	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5210MHz		

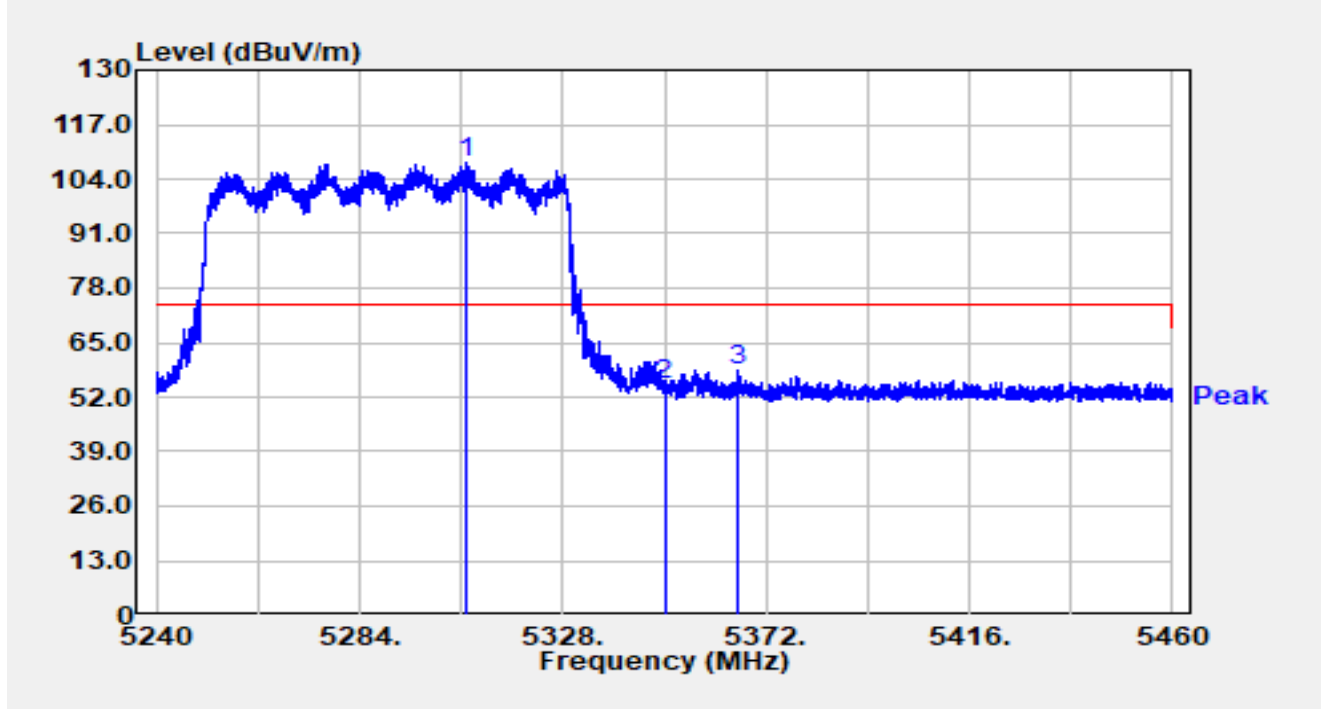


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5150.000	27.51	19.78	47.29	-6.71	54.00	Average
2		5242.776	75.54	19.43	94.97	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		

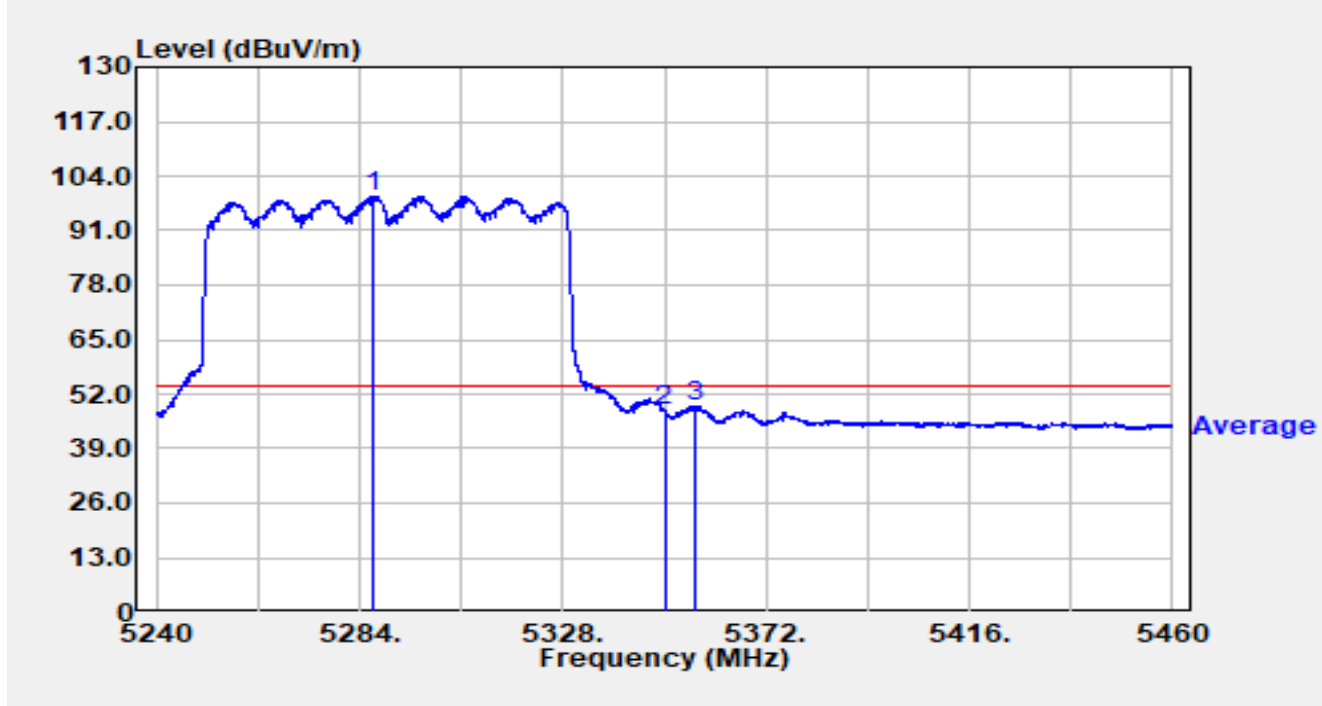


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5307.144	88.55	19.52	108.07	N/A	N/A	Peak
2		5350.000	35.43	19.40	54.83	-19.17	74.00	Peak
3	*	5365.840	39.15	19.31	58.45	-15.55	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		

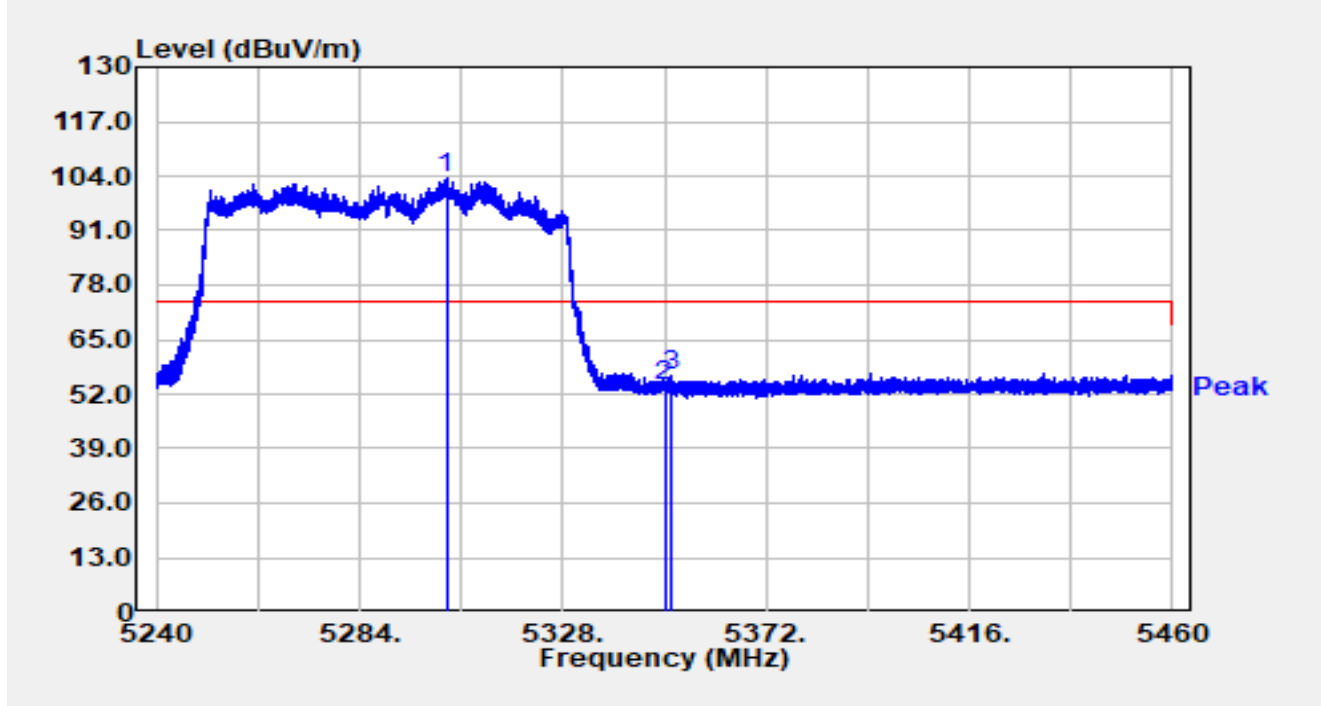


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5286.882	80.14	19.14	99.28	N/A	N/A	Average
2		5350.000	28.65	19.40	48.05	-5.95	54.00	Average
3	*	5356.578	29.71	19.34	49.05	-4.95	54.00	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		

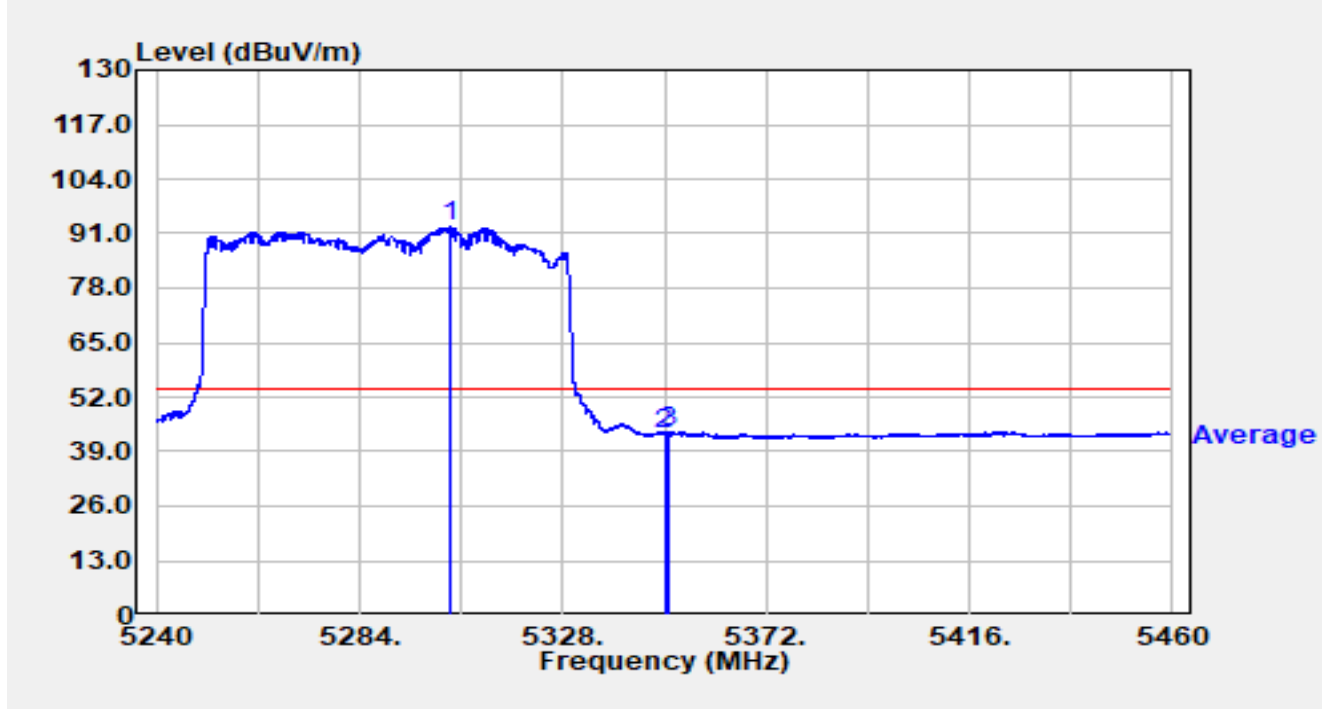


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5302.766	83.91	19.43	103.34	N/A	N/A	Peak
2		5350.000	34.46	19.40	53.86	-20.14	74.00	Peak
3	*	5351.518	37.09	19.37	56.46	-17.54	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5290MHz		

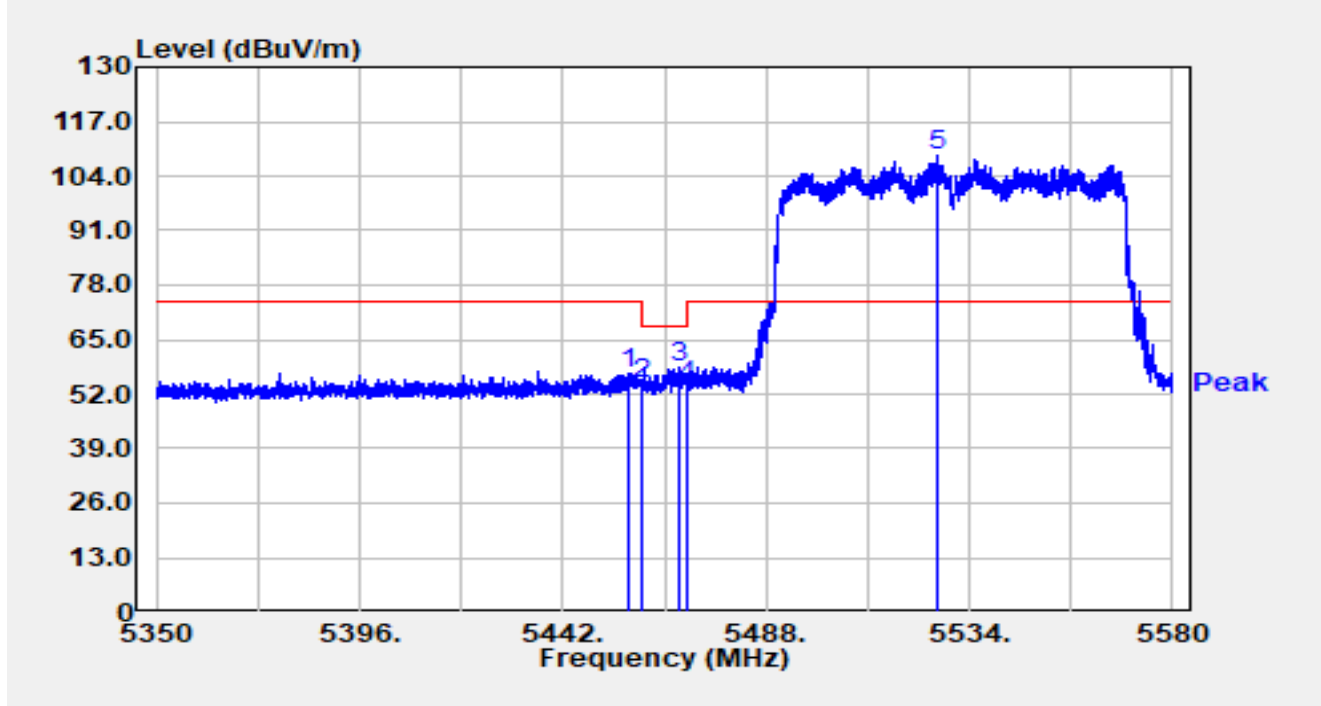


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5303.646	73.09	19.45	92.53	N/A	N/A	Average
2		5350.000	23.99	19.40	43.40	-10.60	54.00	Average
3	*	5351.034	24.48	19.38	43.85	-10.15	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5530MHz		

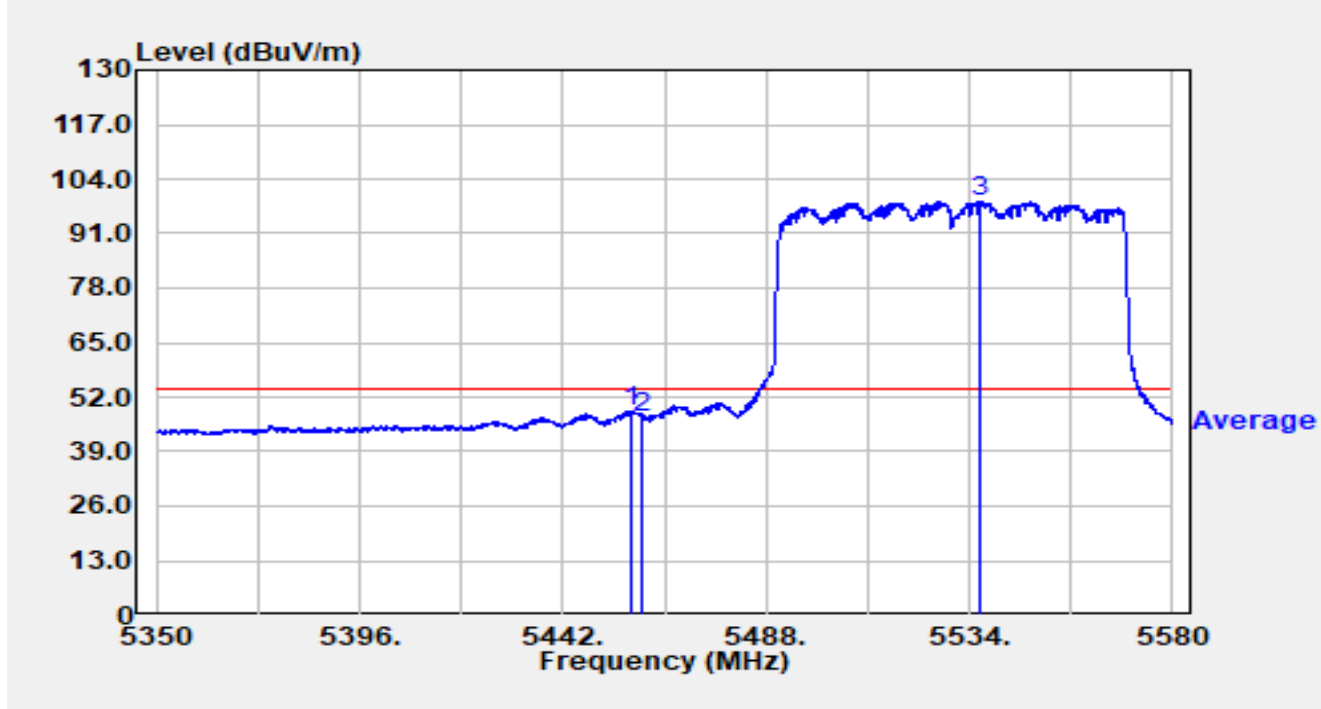


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5456.973	37.26	19.69	56.95	-17.05	74.00	Peak
2		5460.000	34.85	19.74	54.60	-13.60	68.20	Peak
3	*	5468.450	38.34	19.89	58.24	-9.96	68.20	Peak
4		5470.000	34.12	19.92	54.04	-14.16	68.20	Peak
5		5526.663	89.21	19.60	108.81	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5530MHz		

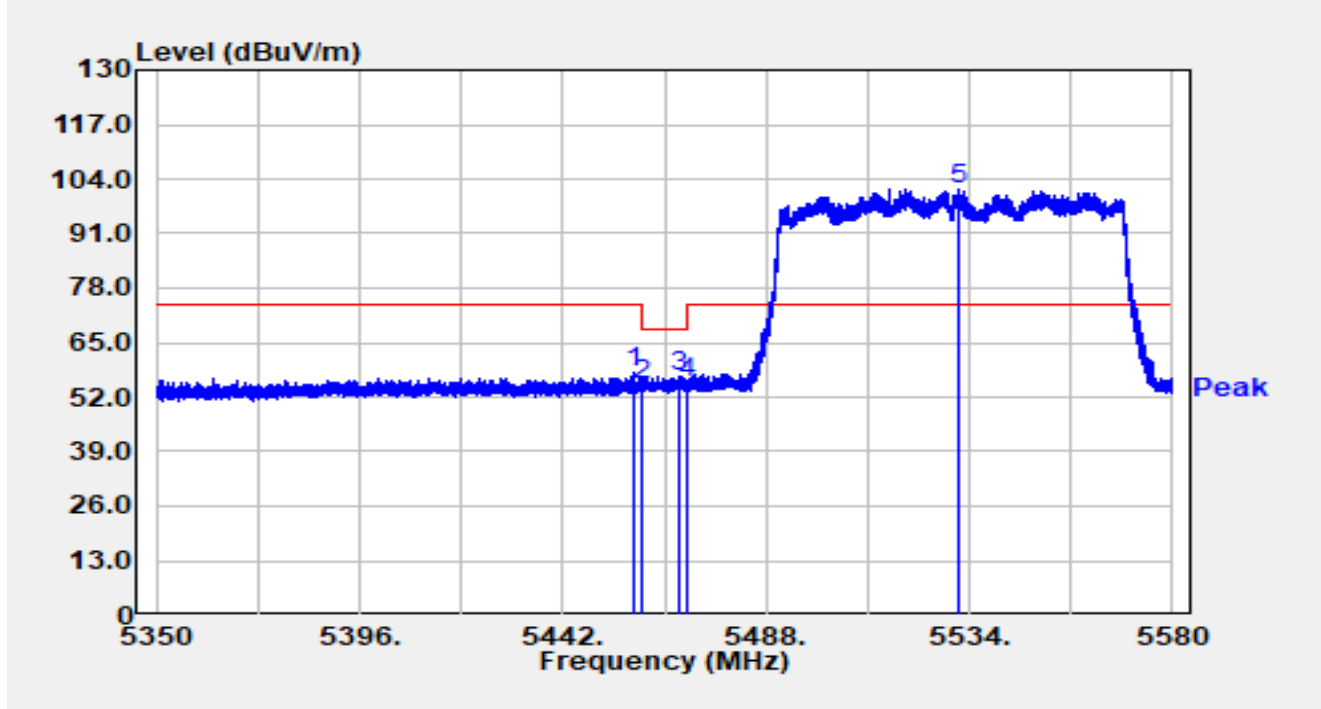


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5457.364	29.00	19.70	48.69	-5.31	54.00	Average
2		5460.000	27.22	19.74	46.96	-7.04	54.00	Average
3		5536.369	78.75	19.81	98.56	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5530MHz		

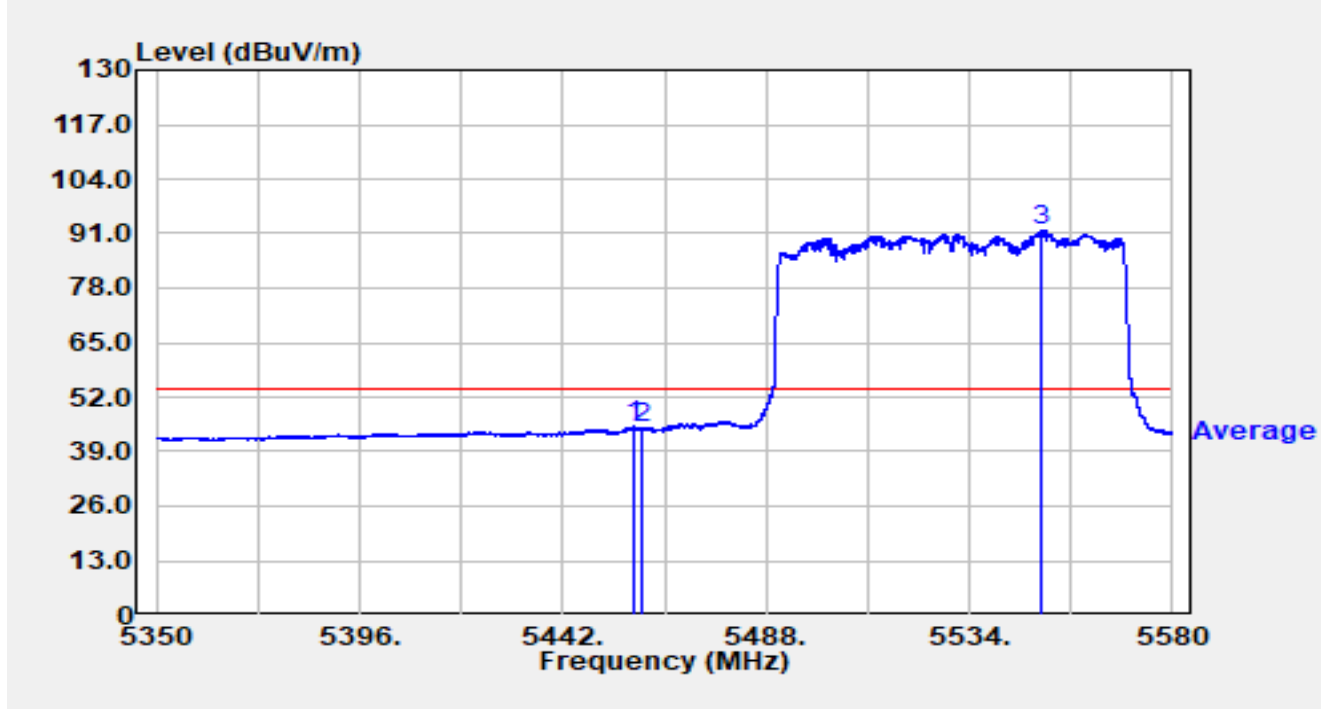


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5458.238	37.98	19.71	57.69	-16.31	74.00	Peak
2		5460.000	35.18	19.74	54.92	-13.28	68.20	Peak
3	*	5468.473	37.23	19.89	57.12	-11.08	68.20	Peak
4		5470.000	35.50	19.92	55.42	-12.78	68.20	Peak
5		5531.332	81.80	19.70	101.49	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5530MHz		

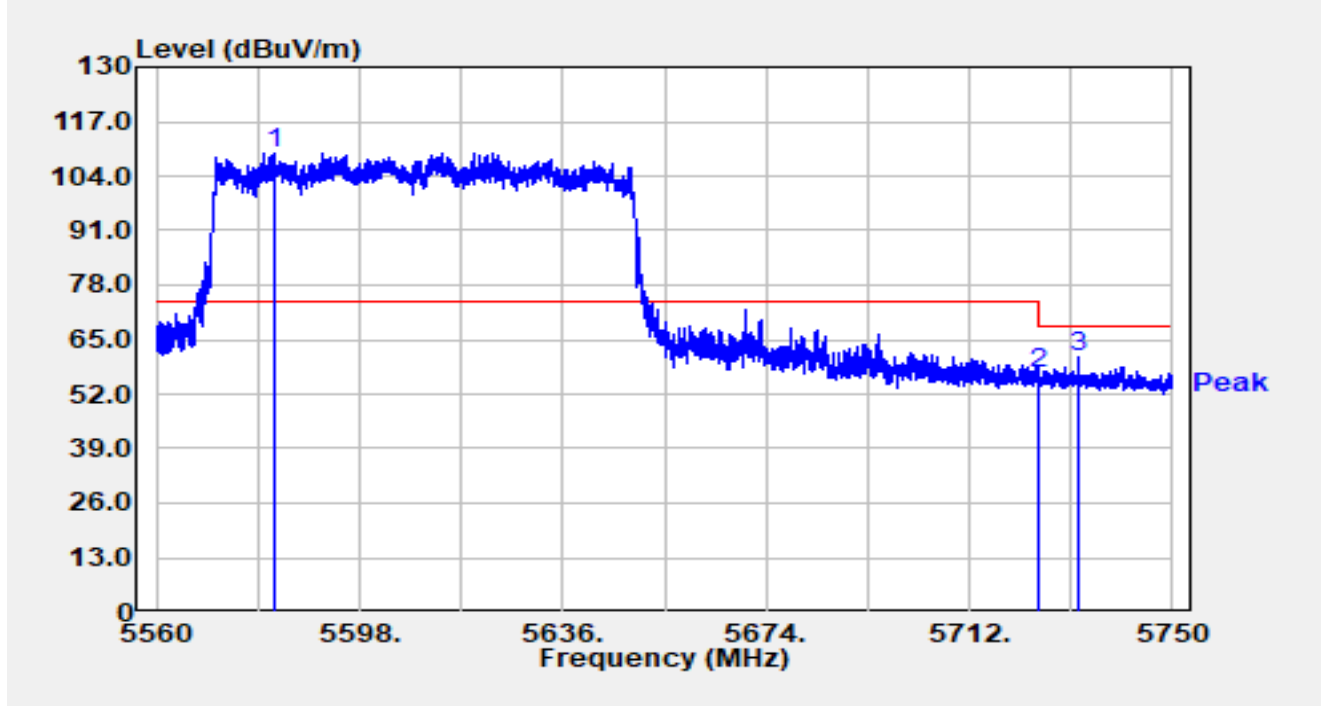


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5458.077	25.18	19.71	44.89	-9.11	54.00	Average
2		5460.009	24.84	19.74	44.58	-9.42	54.00	Average
3		5550.468	71.47	20.08	91.55	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5610MHz		

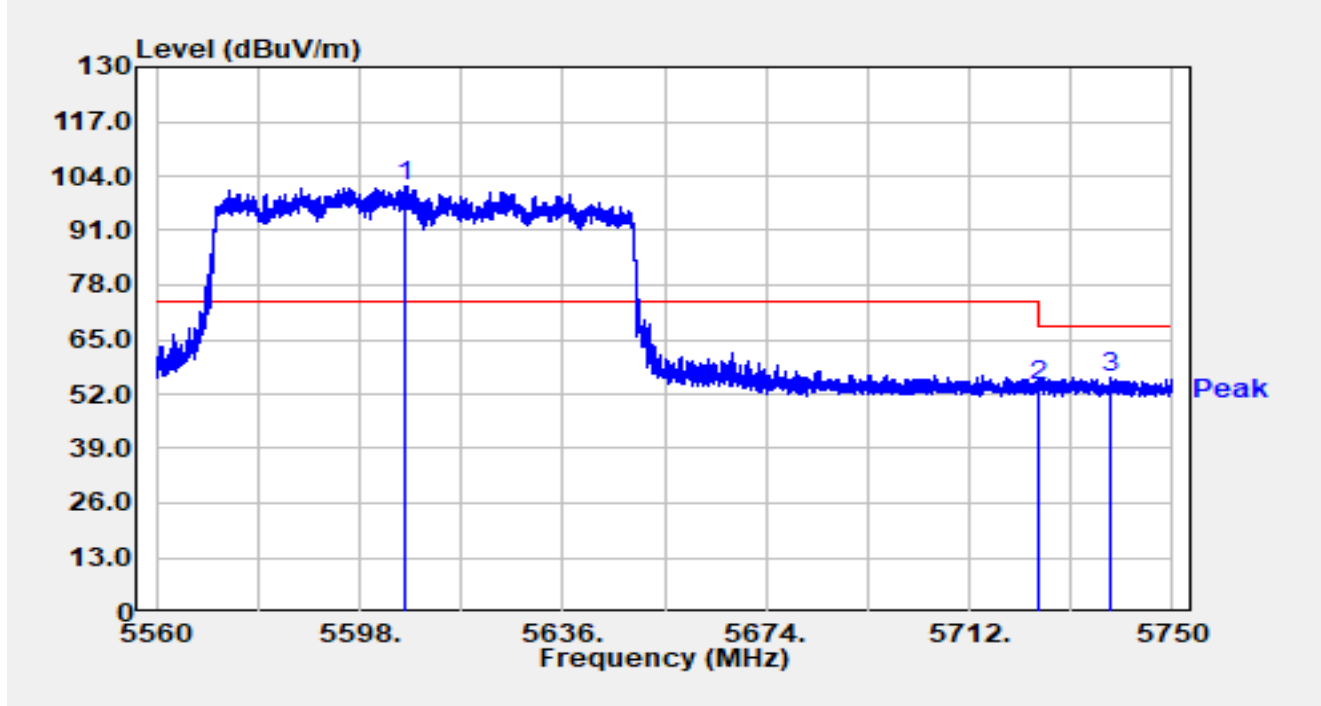


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		5581.888	89.58	20.04	109.62	N/A	N/A	Peak
2		5725.000	35.52	21.24	56.76	-11.44	68.20	Peak
3	*	5732.235	39.64	21.18	60.82	-7.38	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBUV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5610MHz		

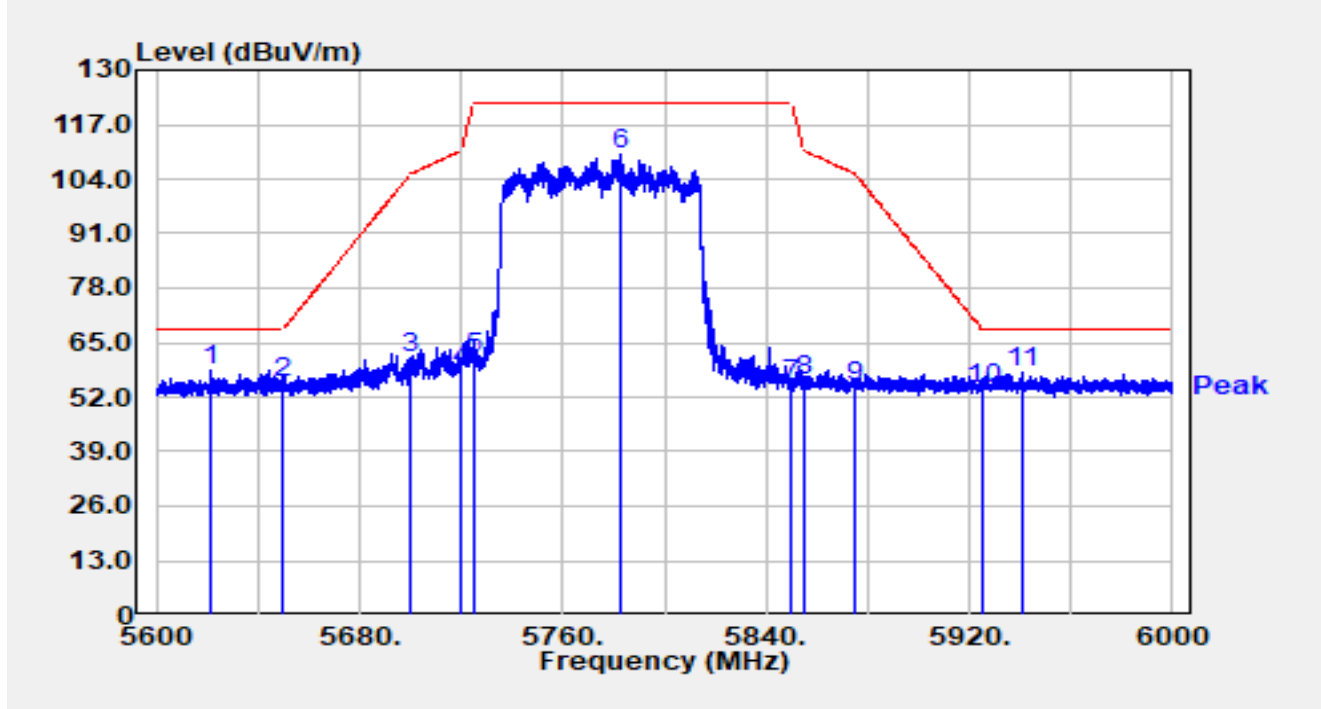


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5606.683	81.30	20.11	101.41	N/A	N/A	Peak
2		5725.000	32.57	21.24	53.81	-14.39	68.20	Peak
3	*	5738.581	34.96	21.11	56.08	-12.12	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5775MHz		

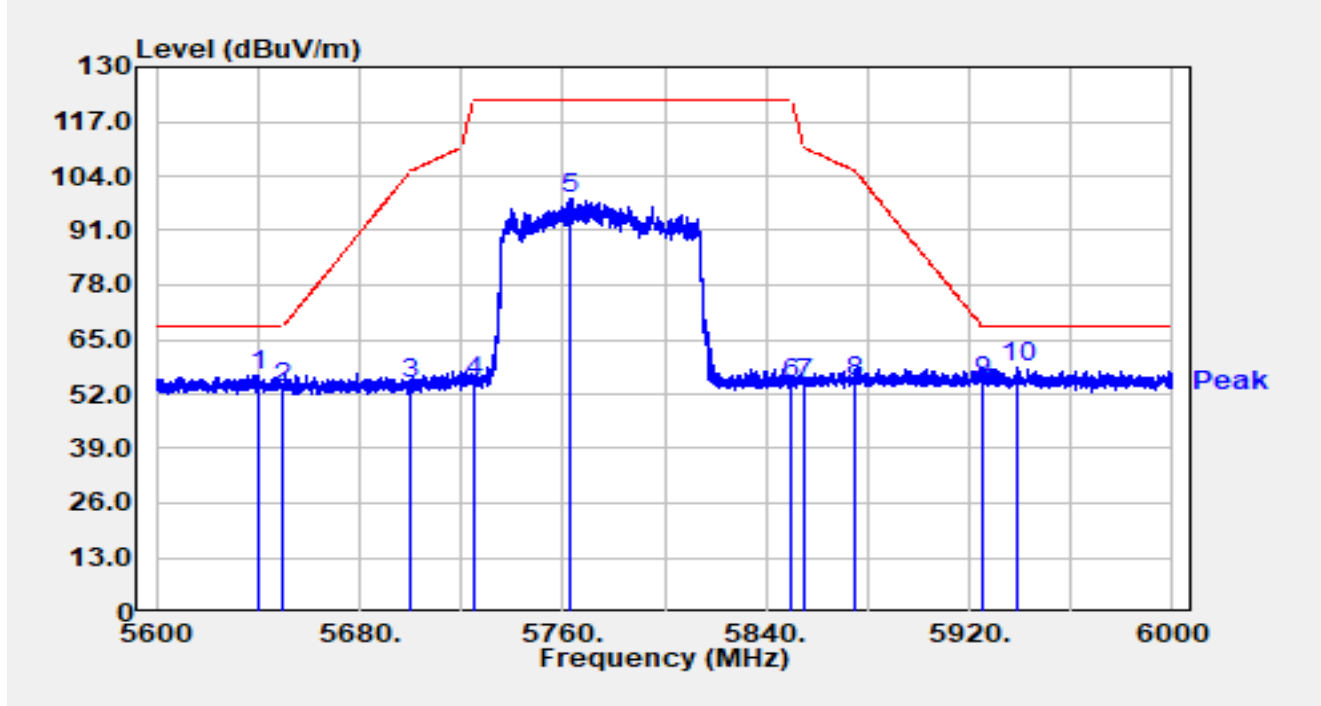


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	5621.720	37.93	20.47	58.40	-9.80	68.20	Peak
2		5650.000	34.71	20.60	55.30	-12.90	68.20	Peak
3		5700.000	40.19	20.96	61.15	-44.05	105.20	Peak
4		5720.000	37.38	21.20	58.58	-52.22	110.80	Peak
5		5725.000	40.07	21.24	61.31	-60.89	122.20	Peak
6		5782.720	88.57	21.40	109.97	N/A	N/A	Peak
7		5850.000	33.46	21.49	54.94	-67.26	122.20	Peak
8		5855.000	34.27	21.54	55.81	-54.99	110.80	Peak
9		5875.000	32.94	21.60	54.53	-50.67	105.20	Peak
10		5925.000	32.50	21.59	54.09	-14.11	68.20	Peak
11		5940.800	36.03	21.64	57.66	-10.54	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-12-15
Limit	FCC_5.8G_RE(3m)	Test Engineer	Dick Shen
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5775MHz		



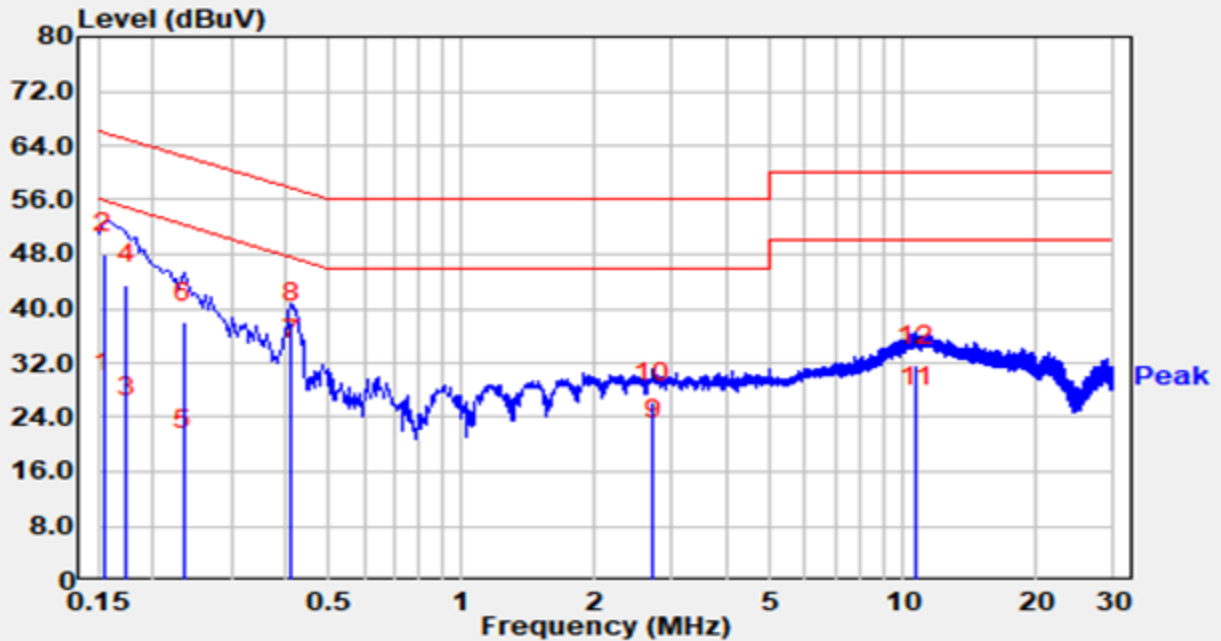
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		5640.560	35.77	20.68	56.45	-11.75	68.20	Peak
2		5650.000	33.01	20.60	53.61	-14.59	68.20	Peak
3		5700.000	33.54	20.96	54.51	-50.69	105.20	Peak
4		5725.000	33.91	21.24	55.15	-67.05	122.20	Peak
5		5763.320	77.30	21.19	98.49	N/A	N/A	Peak
6		5850.000	33.03	21.49	54.52	-67.68	122.20	Peak
7		5855.000	33.13	21.54	54.67	-56.13	110.80	Peak
8		5875.000	33.11	21.60	54.71	-50.49	105.20	Peak
9		5925.000	33.18	21.59	54.78	-13.42	68.20	Peak
10	*	5939.320	36.56	21.63	58.19	-10.01	68.20	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.9 AC Conducted Emissions Test Result

Site	WZ-SR2	Test Date	2025-01-22
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Linda Wei
Factor	ENV216_101683_L1_Filter Off_C	Polarity	Line
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		



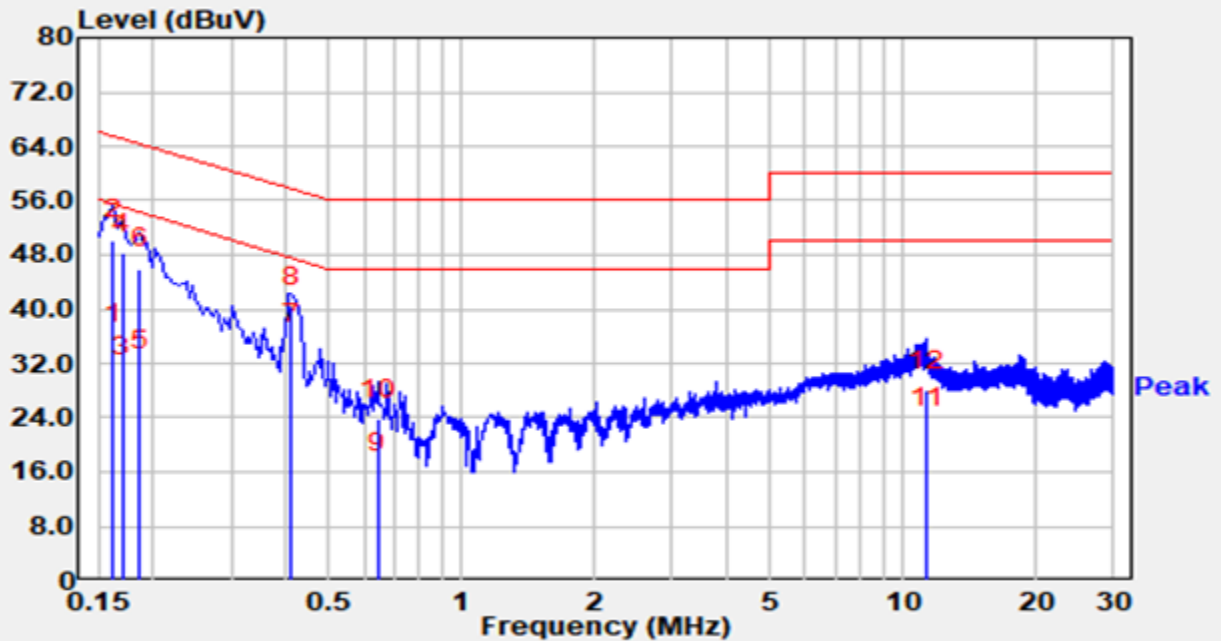
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	17.80	9.82	27.62	-28.16	55.78	Average
2		0.154	38.30	9.82	48.12	-17.66	65.78	QP
3		0.174	14.30	9.82	24.12	-30.65	54.77	Average
4		0.174	33.80	9.82	43.62	-21.15	64.77	QP
5		0.234	9.20	9.83	19.03	-33.28	52.31	Average
6		0.234	28.10	9.83	37.93	-24.38	62.31	QP
7	*	0.410	22.50	9.89	32.39	-15.26	47.65	Average
8		0.410	28.10	9.89	37.99	-19.66	57.65	QP
9		2.710	10.40	10.15	20.55	-25.45	46.00	Average
10		2.710	16.00	10.15	26.15	-29.85	56.00	QP
11		10.710	15.20	10.39	25.59	-24.41	50.00	Average
12		10.710	21.20	10.39	31.59	-28.41	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Site	WZ-SR2	Test Date	2025-01-22
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Linda Wei
Factor	ENV216_101683_N_Filter Off_C	Polarity	Neutral
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5180MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.162	24.70	10.12	34.82	-20.54	55.36	Average
2		0.162	40.10	10.12	50.22	-15.14	65.36	QP
3		0.170	19.80	10.12	29.92	-25.04	54.96	Average
4		0.170	38.10	10.12	48.22	-16.74	64.96	QP
5		0.186	20.80	10.11	30.91	-23.30	54.21	Average
6		0.186	35.90	10.11	46.01	-18.20	64.21	QP
7	*	0.410	24.80	10.14	34.94	-12.71	47.65	Average
8		0.410	30.20	10.14	40.34	-17.31	57.65	QP
9		0.646	5.70	10.23	15.93	-30.07	46.00	Average
10		0.646	13.50	10.23	23.73	-32.27	56.00	QP
11		11.320	11.70	10.67	22.37	-27.63	50.00	Average
12		11.320	17.40	10.67	28.07	-31.93	60.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Appendix B – Test Setup Photograph

Refer to “2411RSU027-UT” file.

Appendix C – EUT Photograph

Refer to “2411RSU027-UE” file.

The End
