RF MEASUREMENT REPORT

FCC ID:	Q9DAPIN0634A
Applicant:	Hewlett Packard Enterprise Company
Product:	ACCESS POINT
Model No.:	APIN0634A
Trademark:	Hewlett Packard Enterprise , HPE aruba networking
FCC Classification:	15E 6GHz Standard Power Access Point (6SD)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Result:	Complies
Received Date:	2024-11-14
Test Date:	2024-12-07 ~ 2025-02-07

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED TESTING LABORATORY CERTIFICATE #3628.01

The test results relate only to the samples tested.

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

Revision History

Report No.	Version	Description	Issue Date	Note
2411RSU027-U15	V01	Initial Report	2025-06-25	Valid

Note 1: The APIN0634A is a variation on the existing APIN0634. The APIN0634 is currently FCC certified under FCC ID: Q9DAPIN0634.

The APIN0634A differs from the APIN0634 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
Channel Bandwidth	Spot Check
Maximum Equivalent Isotopically Radiated Power (EIRP)	Full Test
Maximum Power Spectral Density (EIRP)	Spot Check
In-Band Emission	Spot Check
Automated Frequency Coordination	Spot Check
Unwanted Emissions	Spot Check
General Field Strength (Restricted Bands and Radiated Emission)	Spot Check
AC Conducted Emissions 150kHz - 30MHz	Full Test

CONTENTS

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

<table>
<tr><td>☒</td><td colspan="5">Test Site – MRT Suzhou Laboratory</td></tr>
<tr><td></td><td colspan="5">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</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
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<tr><td>☐</td><td colspan="5">Test Site – MRT Shenzhen Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Shenzhen)
1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
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FCC: CN1284 ISED: CN0105</td></tr>
<tr><td>☐</td><td colspan="5">Test Site – MRT Taiwan Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Taiwan)
No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="5">TAF: 3261
FCC: 291082, TW3261 ISED: TW3261</td></tr>
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1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0634A
Serial No.	CNSXMLT01L
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.0 single mode, BLE only
Zigbee Specification	802.15.4
GNSS Specification	GPS
Working Voltage	AC/DC Adapter or PoE Injector input
Antenna Information	Refer to section 1.7
Operating Temperature	0 ~ 50 °C
Operating Environment	Indoor Use
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	For 802.11ax-HE20: 5955 ~ 6415MHz, 6535 ~ 6855MHz For 802.11ax-HE40: 5965 ~ 6405MHz, 6565 ~ 6845MHz For 802.11ax-HE80: 5985 ~ 6385MHz, 6625 ~ 6785MHz For 802.11ax-HE160: 6025 ~ 6345MHz, 6665MHz	
Type of Modulation	802.11ax: OFDMA	
Data Rate	802.11ax: up to 2402Mbps	
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU

1.6. Working Frequencies

802.11ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz
25	6075 MHz	29	6095 MHz	33	6115 MHz
37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz
73	6315 MHz	77	6335 MHz	81	6355 MHz
85	6375 MHz	89	6395 MHz	93	6415 MHz
117	6535 MHz	121	6555 MHz	125	6575 MHz
129	6595 MHz	133	6615 MHz	137	6635 MHz
141	6655 MHz	145	6675 MHz	149	6695 MHz
153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz
177	6835 MHz	181	6855 MHz	--	--

802.11ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz
27	6085 MHz	35	6125 MHz	43	6165 MHz
51	6205 MHz	59	6245 MHz	67	6285 MHz
75	6325 MHz	83	6365 MHz	91	6405 MHz
123	6565 MHz	131	6605 MHz	139	6645 MHz
147	6685 MHz	155	6725 MHz	163	6765 MHz
171	6805 MHz	179	6845 MHz	--	--

802.11ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz
55	6225 MHz	71	6305 MHz	87	6385 MHz
135	6625 MHz	151	6705 MHz	167	6785 MHz

802.11ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz
143	6665 MHz	--	--	--	--

1.7. Antenna Details

Polarization	Antenna Name	Frequency Band (GHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)		BF Directional Gain (dBi)
				For Power	For PSD	
Wi-Fi External Antenna List (2*2 MIMO)						
Omni	AP-ANT-311	2.4 ~ 2.5	3.0	3.0	6.01	6.01
		5.15 ~ 5.9	6.0	6.0	9.01	9.01
		5.9 ~ 7.2	6.0	6.0	9.01	9.01
Omni	AP-ANT-312	2.4 ~ 2.5	3.3	3.3	6.31	6.31
		5.15 ~ 5.9	3.3	3.3	6.31	6.31
		5.9 ~ 7.2	4.1	4.1	7.11	7.11
Omni	AP-ANT-313	2.4 ~ 2.5	3.0	3.0	6.01	6.01
		5.15 ~ 5.9	6.0	6.0	9.01	9.01
		5.9 ~ 7.2	6.0	6.0	9.01	9.01
Omni	AP-ANT-320 AP-ANT-340	2.4 ~ 2.5	4.0	4.0	7.01	7.01
		5.15 ~ 5.9	5.0	5.0	8.01	8.01
		5.9 ~ 7.2	5.0	5.0	8.01	8.01
Directional (Note 4)	AP-ANT-325 AP-ANT-345	2.4 ~ 2.5	6.1	6.1	6.1	6.1
		5.15 ~ 5.9	6.1	6.1	6.1	6.1
		5.9 ~ 7.2	5.4	5.4	5.4	5.4
Directional (Note 4)	AP-ANT-328 AP-ANT-348	2.4 ~ 2.5	7.5	7.5	7.5	7.5
		5.15 ~ 5.9	8.0	8.0	8.0	8.0
		5.9 ~ 7.2	8.0	8.0	8.0	8.0

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} + Array Gain, where Array Gain is as follows.

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

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

- For power measurements on IEEE 802.11 devices,

  Array Gain = 0 dB for N_{ANT} ≤ 4;

2, The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g.

3, The antenna specification is provided by the applicant.

4, These antennas are cross polarized design and the detail refers to antenna specification.

5, AP-ANT-325 is a tri-band and 2-element antenna and AP-ANT-345 is a tri-band and 4-element antenna. AP-ANT-328 is a tri-band and 2-element antenna and AP-ANT-348 is a tri-band and 4-element antenna.

6. Low gain antenna (AP-ANT-312) was selected to perform all RF testing that can got maximum power setting, high gain different type antenna (AP-ANT-311 & AP-ANT-348) was selected to perform radiated spurious emission and band edge testing. High gain antenna power setting will be reduced according to difference value of antenna gain declared by applicant.

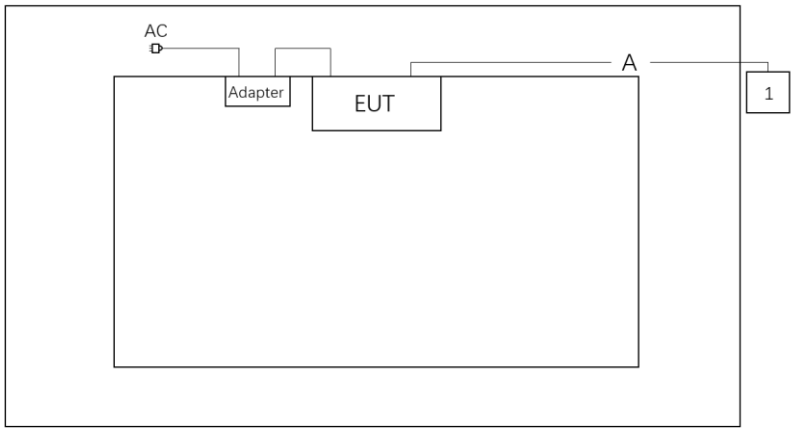
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11ax-HE20_N_{SS}=1 (MCS0)
Mode 2: Transmit by 802.11ax-HE40_N_{SS}=1 (MCS0)
Mode 3: Transmit by 802.11ax-HE80_N_{SS}=1 (MCS0)
Mode 4: Transmit by 802.11ax-HE160_N_{SS}=1 (MCS0)
Note: 1. All modes of operation and data rates were investigated, so all RF test requirements shall be executed at the worst data rate. 2. For beamforming operation, manufacturer automatically backs power down based on a 10log(N_{ANT}) factor 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.



Cable Type		Cable Spec.	Length
A	Ethernet Cable	Non-Shielding, Cat 5e	>10.0m
Product		Manufacturer	Model No.
1	Notebook	Dell	Latitude 5491

2.3. Test Software

The test utility software used during testing was “QSPR”, and the version was 5.0-00196.

2.4. Applied Standards

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

- ANSI C63.10-2013
- FCC KDB 789033 D02v02r01
- FCC KDB 987594 D02v03
- FCC KDB 987594 D04v03
- FCC KDB 662911 D01v02r01
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

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.”

Conclusion:

The product is defined as the professional installation of equipment by the manufacturer, there is no necessary to comply with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2025-11-03	SIP-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06601	1 year	2025-11-01	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2025-10-29	SIP-AC2
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06647	1 year	2025-06-15	SIP-AC2
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2025-12-19	SIP-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=2Uc(y)): 2.5dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.3dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.5dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 2.6%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)(11)	Channel Bandwidth	Conducted	Pass
15.407(a)(4)	Maximum Equivalent Isotopically Radiated Power (EIRP)		Pass
15.407(a)(4)	Maximum Power Spectral Density (EIRP)		Pass
15.407(b)(7)	In-Band Emission		Pass
15.407(k)	Automated Frequency Coordination		Pass Note3
15.407(b)(6)	Unwanted Emissions		Pass
15.407(b)(8), (9), (10)	General Field Strength (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Notes:

1. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
2. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
3. Automated Frequency Coordination refers to report “2411RSU027-U17”.

6.2. Channel Bandwidth Measurement

6.2.1. Test Limit

The maximum transmitter channel bandwidth for U–NII devices in the 5.925–7.125 GHz band is 320 megahertz.

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

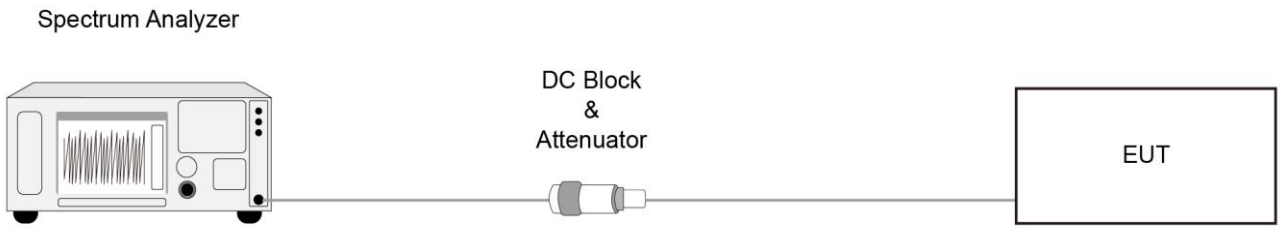
26dB Bandwidth

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 ≥ 3 × 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. Output Power Measurement

6.3.1. Test Limit

For a standard access point operating in the 5.925 - 6.425 GHz and 6.525 – 6.875 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm.

6.3.2. Test Procedure

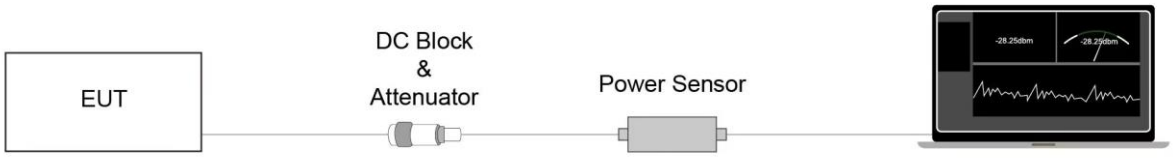
KDB 789033 D02v02r01- Section II)E)3)b) Method PM-G

6.3.3. 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.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Power Spectral Density Measurement

6.4.1. Test Limit

For a standard access point operating in the 5.925-6.425 GHz and 6.525 – 6.875 GHz band, the maximum power spectral density must not exceed 23 dBm e.i.r.p. in any 1-megahertz band.

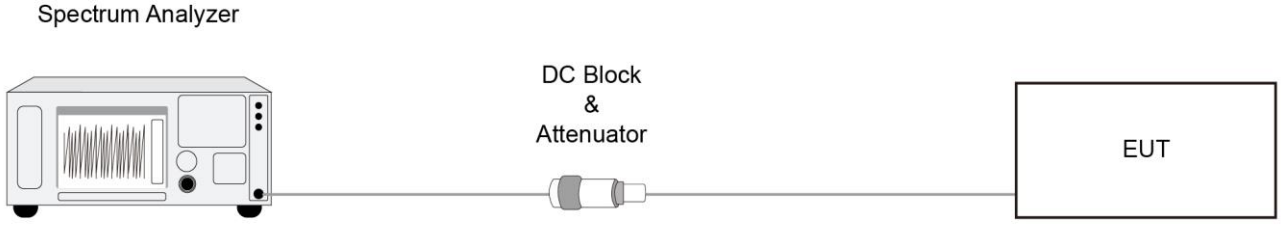
6.4.2. Test Procedure

KDB 789033 D02v02r01-Section II)F)

6.4.3. 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
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / 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*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*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. In-Band Emission Measurement

6.5.1. Test Limit

Suppressed by 20 dB at 1 MHz outside of the channel edge.

(The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)

Suppressed by 28 dB at one channel bandwidth from the channel center.

Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.

6.5.2. Test Procedure

KDB 987594 D02v03- Section II)J)

6.5.3. Test Setting

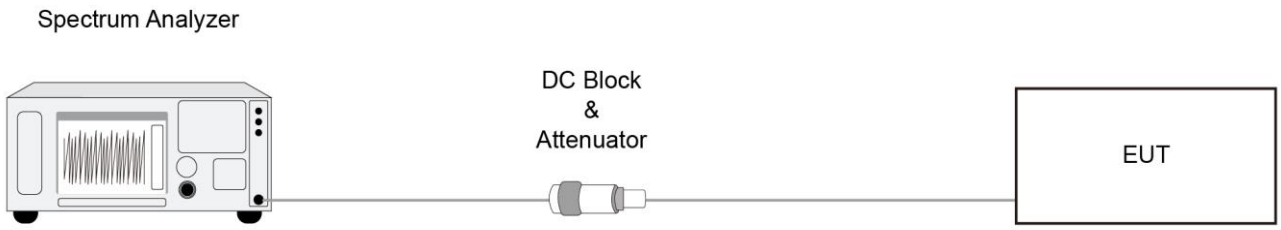
Emissions Mask Reference Level Measurement

1. Set the span to encompass the entire 26 dB EBW of the signal.
2. Set RBW = same RBW used for 26 dB EBW measurement.
3. Set VBW ≥ 3 X RBW.
4. Number of points in sweep ≥ [2 x span / RBW].
5. Sweep time = auto.
6. Detector = RMS.
7. Trace average at least 100 traces in power averaging (rms) mode.
8. Use the peak search function on the instrument to find the peak of the spectrum.

In-Band Emission

1. Using the measuring equipment limit line function, develop the emissions mask based on rule.
2. Adjust the span to encompass the entire mask as necessary.
3. Clear trace.
4. Trace average at least 100 traces in power averaging (rms) mode.
5. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.5.

6.6. Frequency Stability Measurement

6.6.1. 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.

6.6.2. Test Procedure

Frequency Stability Under Temperature Variations:

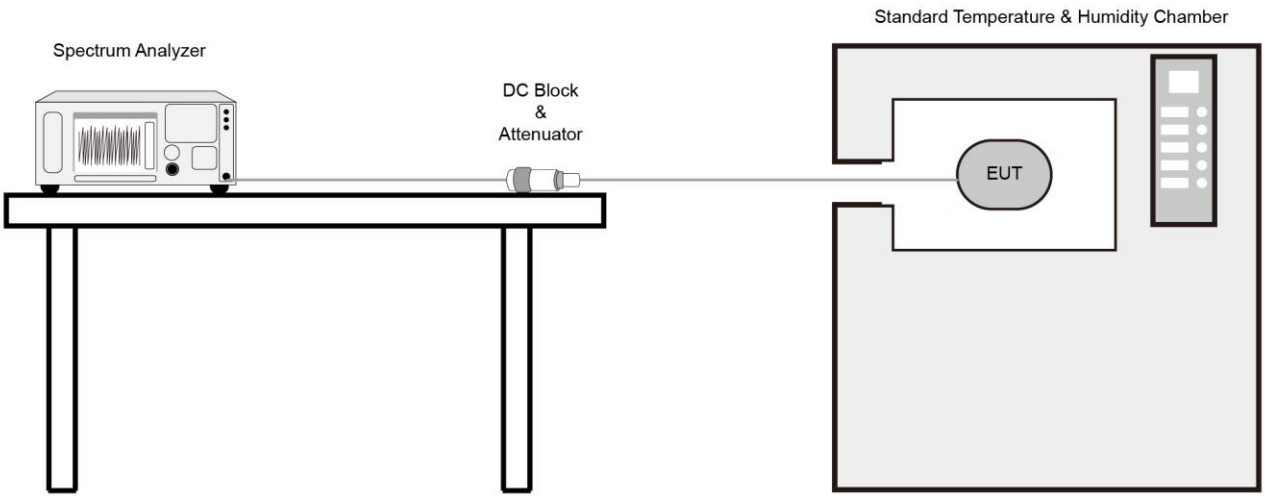
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, record the maximum frequency change.

6.6.3. Test Setup



6.6.4. Test Result

Refer to Appendix A.6.

6.7. Radiated Spurious Emission Measurement

6.7.1. Test Limit

For 15.407(b)(5) requirement

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to 987594 D02 U-NII 6GHz EMC Measurement v03 clause G

Use guidance in KDB 789033 for measurements below 1000 MHz and above 1000 MHz. Unwanted emissions outside of restricted bands are measured with a RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

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

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

6.7.2. Test Procedure

KDB 789033 D02v02r01-Section II)G)

6.7.3. Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

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

Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

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

4. Detector = Peak

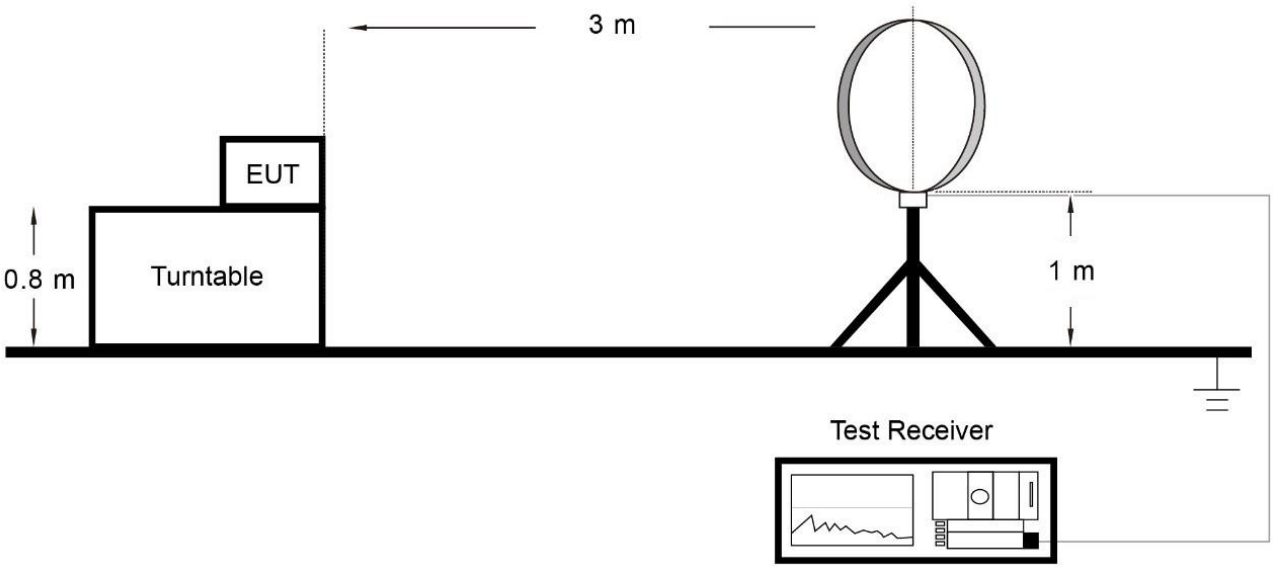
5. Sweep time = auto

6. Trace mode = max hold

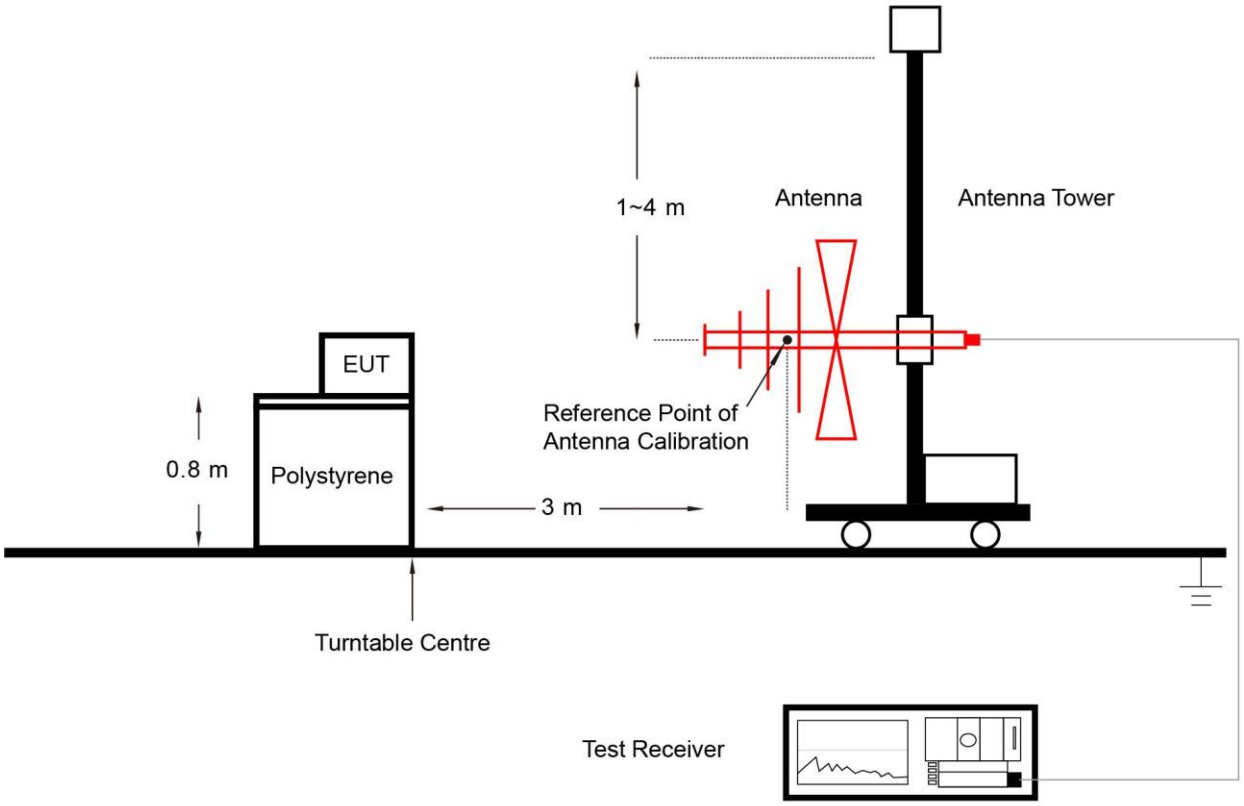
7. Trace was allowed to stabilize

6.7.4. Test Setup

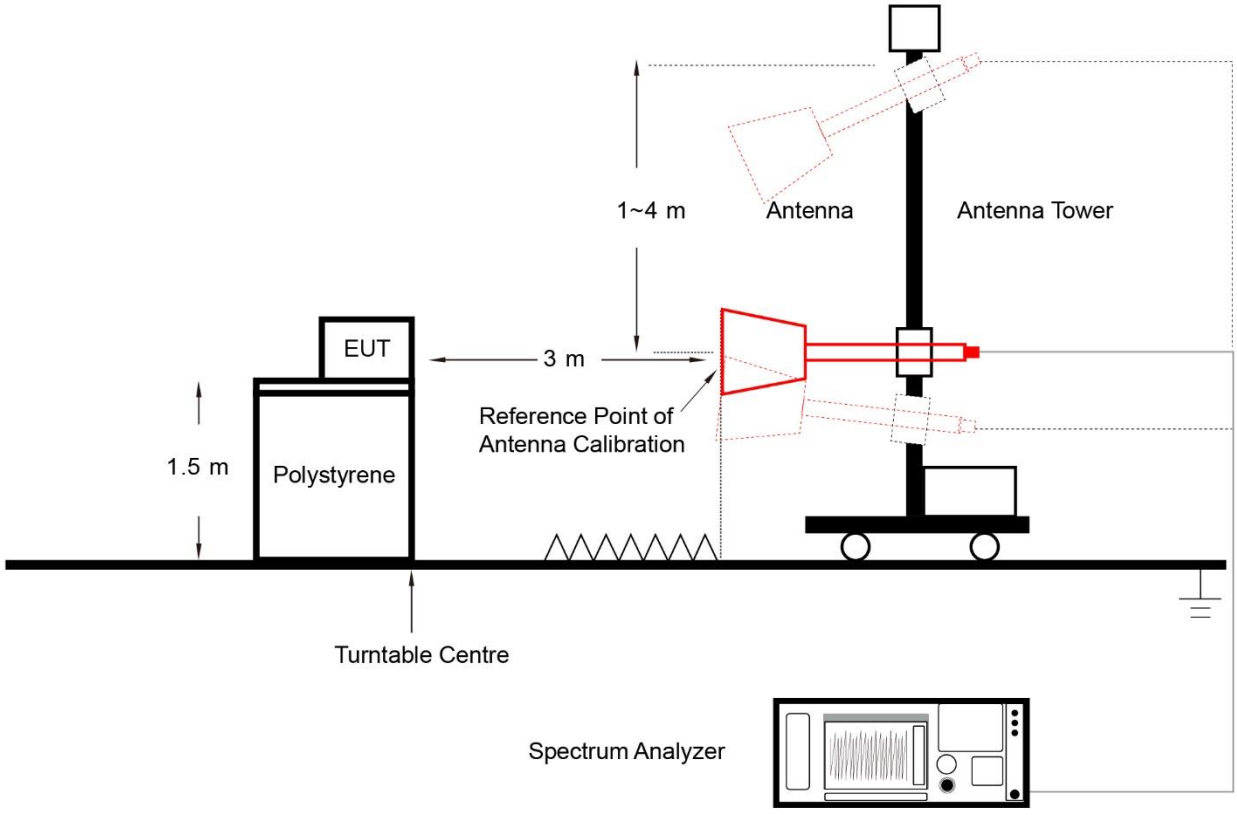
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.7.5. Test Result

Refer to Appendix A.7.

6.8. Radiated Restricted Band Edge Measurement

6.8.1. Test Limit

For 15.407(b)(6) requirement:

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to 987594 D02 U-NII 6GHz EMC Measurement v03 clause G - Unwanted Emission Measurement

Use guidance in KDB 789033 for measurements below 1000 MHz and above 1000 MHz. Unwanted emissions outside of restricted bands are measured with a RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

6.8.2. Test Procedure

KDB 789033 D02v03-Section II)G)

6.8.3. Test Setting

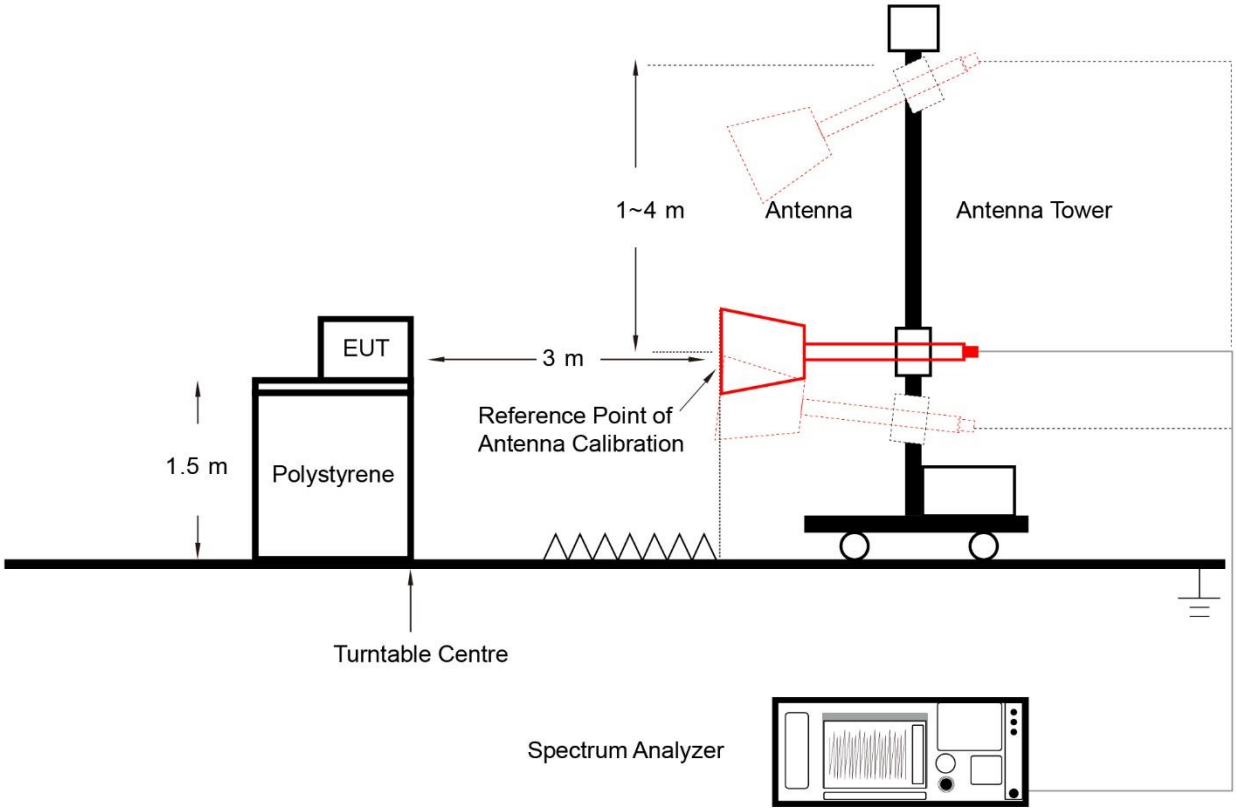
Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

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

6.8.4. Test Setup



6.8.5. Test Result

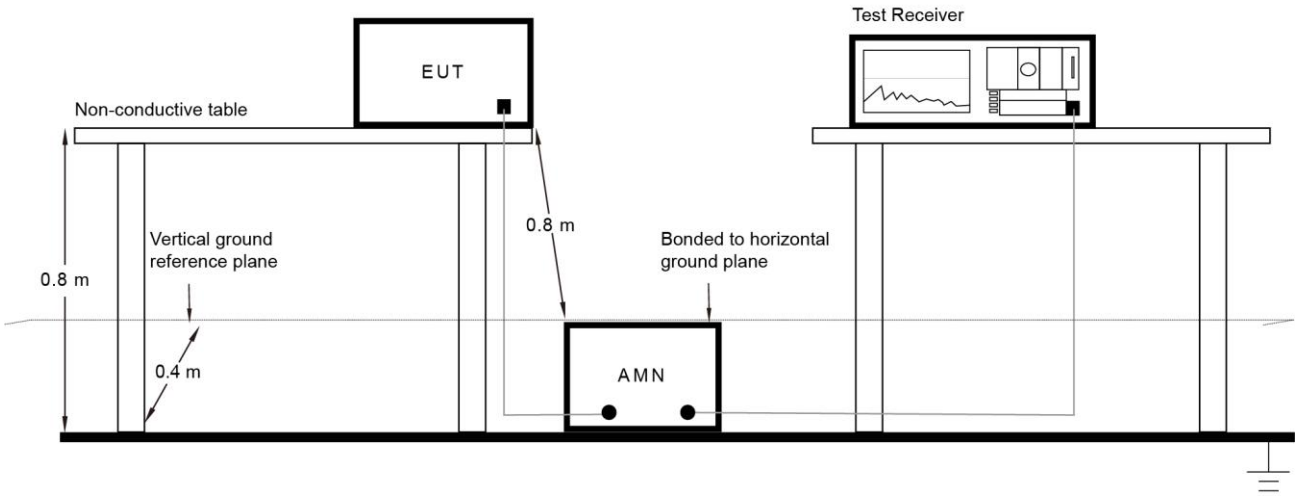
Refer to Appendix A.8.

6.9. AC Conducted Emissions Measurement

6.9.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
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.		

6.9.2. Test Setup



6.9.3. Test Result

Refer to Appendix A.9.

Appendix A – Test Result

A.1 Duty Cycle Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.1.

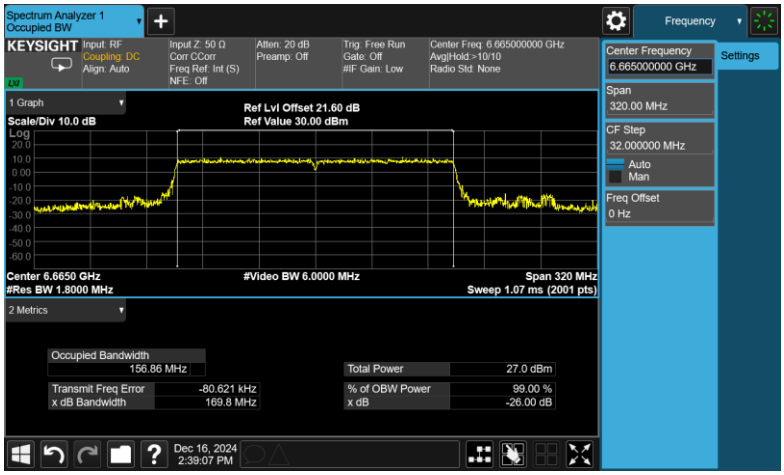
A.2 Channel Bandwidth Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.2.

Spot Check:

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-12-16		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Test Result
802.11ax-HE160	MCS0	143	6665	169.80	156.86	Pass

802.11ax-HE160 26dB Bandwidth
Channel 143 (6665MHz)


A.3 Output Power Test Result

6G_FB (M5247)

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-12-10		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)
				Ant 0	Ant 1			
802.11ax-HE20	MCS0	1	5955	18.50	18.44	21.48	25.58	≤ 36.00
802.11ax-HE20	MCS0	49	6195	18.58	17.86	21.25	25.35	≤ 36.00
802.11ax-HE20	MCS0	93	6415	18.34	17.96	21.16	25.26	≤ 36.00
802.11ax-HE20	MCS0	117	6535	18.48	18.13	21.32	25.42	≤ 36.00
802.11ax-HE20	MCS0	153	6715	18.34	18.04	21.20	25.30	≤ 36.00
802.11ax-HE20	MCS0	181	6855	18.66	18.29	21.49	25.59	≤ 36.00
802.11ax-HE40	MCS0	3	5965	18.00	18.38	21.20	25.30	≤ 36.00
802.11ax-HE40	MCS0	51	6205	18.73	18.61	21.68	25.78	≤ 36.00
802.11ax-HE40	MCS0	91	6405	18.10	18.28	21.20	25.30	≤ 36.00
802.11ax-HE40	MCS0	123	6565	18.62	18.60	21.62	25.72	≤ 36.00
802.11ax-HE40	MCS0	147	6685	18.42	18.74	21.59	25.69	≤ 36.00
802.11ax-HE40	MCS0	179	6845	18.50	18.53	21.53	25.63	≤ 36.00
802.11ax-HE80	MCS0	7	5985	18.63	18.61	21.63	25.73	≤ 36.00
802.11ax-HE80	MCS0	55	6225	18.93	18.07	21.53	25.63	≤ 36.00
802.11ax-HE80	MCS0	87	6385	18.18	17.83	21.02	25.12	≤ 36.00
802.11ax-HE80	MCS0	135	6625	18.76	18.67	21.73	25.83	≤ 36.00
802.11ax-HE80	MCS0	151	6705	18.24	18.17	21.22	25.32	≤ 36.00
802.11ax-HE80	MCS0	167	6785	18.44	18.20	21.33	25.43	≤ 36.00
802.11ax-HE160	MCS0	15	6025	18.31	18.40	21.37	25.47	≤ 36.00
802.11ax-HE160	MCS0	47	6185	18.52	18.04	21.30	25.40	≤ 36.00
802.11ax-HE160	MCS0	79	6345	18.13	18.07	21.11	25.21	≤ 36.00
802.11ax-HE160	MCS0	143	6665	18.45	18.12	21.30	25.40	≤ 36.00

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

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain for Power (dBi).

6G_PFB (B8385)

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-02-07		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)
				Ant 0	Ant 1			
802.11ax-HE20	MCS0	33	6115	17.78	16.54	20.21	24.31	≤ 36.00
802.11ax-HE20	MCS0	61	6255	18.72	17.38	21.11	25.21	≤ 36.00
802.11ax-HE20	MCS0	93	6415	18.28	17.55	20.94	25.04	≤ 36.00
802.11ax-HE20	MCS0	117	6535	18.38	17.97	21.19	25.29	≤ 36.00
802.11ax-HE20	MCS0	153	6715	17.95	17.58	20.78	24.88	≤ 36.00
802.11ax-HE20	MCS0	181	6855	18.71	18.11	21.43	25.53	≤ 36.00
802.11ax-HE40	MCS0	35	6125	17.37	16.92	20.16	24.26	≤ 36.00
802.11ax-HE40	MCS0	59	6245	18.95	17.96	21.49	25.59	≤ 36.00
802.11ax-HE40	MCS0	91	6405	18.53	17.71	21.15	25.25	≤ 36.00
802.11ax-HE40	MCS0	123	6565	18.68	18.04	21.38	25.48	≤ 36.00
802.11ax-HE40	MCS0	147	6685	18.72	18.14	21.45	25.55	≤ 36.00
802.11ax-HE40	MCS0	179	6845	18.34	17.79	21.08	25.18	≤ 36.00
802.11ax-HE80	MCS0	39	6145	17.53	16.80	20.19	24.29	≤ 36.00
802.11ax-HE80	MCS0	55	6225	18.98	17.83	21.45	25.55	≤ 36.00
802.11ax-HE80	MCS0	87	6385	18.27	17.61	20.96	25.06	≤ 36.00
802.11ax-HE80	MCS0	135	6625	19.08	18.26	21.70	25.80	≤ 36.00
802.11ax-HE80	MCS0	151	6705	18.40	17.83	21.13	25.23	≤ 36.00
802.11ax-HE80	MCS0	167	6785	18.46	17.98	21.24	25.34	≤ 36.00
802.11ax-HE160	MCS0	47	6185	18.06	17.35	20.73	24.83	≤ 36.00
802.11ax-HE160	MCS0	79	6345	18.56	17.55	21.09	25.19	≤ 36.00
802.11ax-HE160	MCS0	143	6665	18.52	18.01	21.28	25.38	≤ 36.00

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

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain for Power (dBi).

A.4 Power Spectral Density Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.4.

Spot Check:

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-12-07		

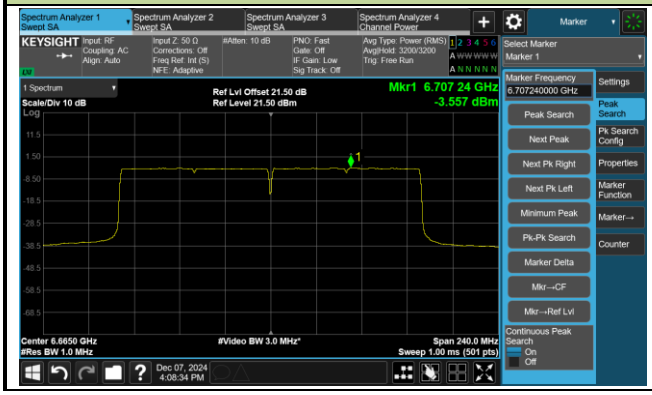
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11ax-HE160	MCS0	143	6665	-3.557	-3.288	96.75	6.843	≤ 23.00

Note:

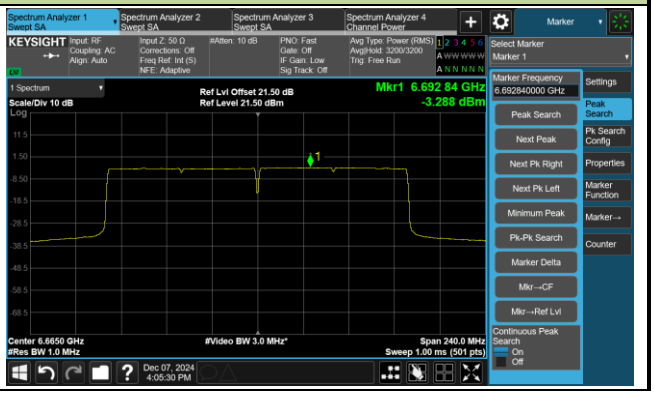
When EUT duty cycle < 98%, EIRP PSD (dBm/MHz) = 10*log {$10^{(\text{Ant 0 PSD/10})}$ + $10^{(\text{Ant 1 PSD/10})}$} (dBm/MHz) + 10*log (1/Duty Cycle) + Directional Gain for PSD (dBi).

802.11ax-HE160 Power Spectral Density – Channel 143 (6665MHz)

Ant 0



Ant 1

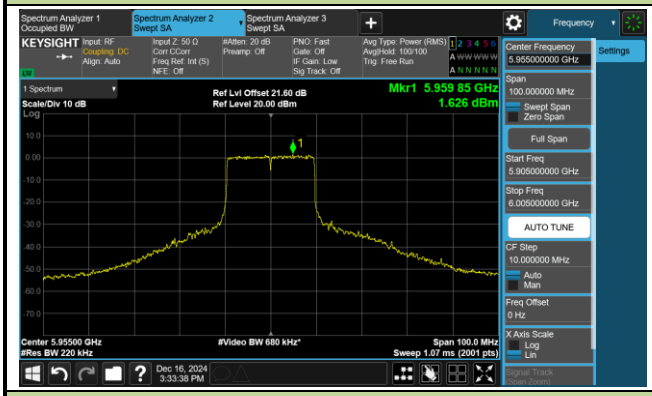
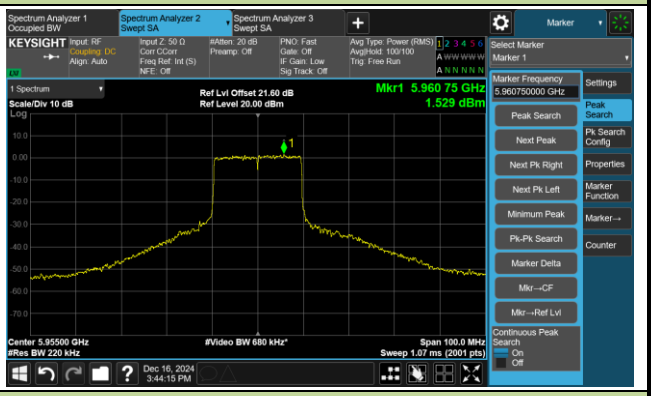
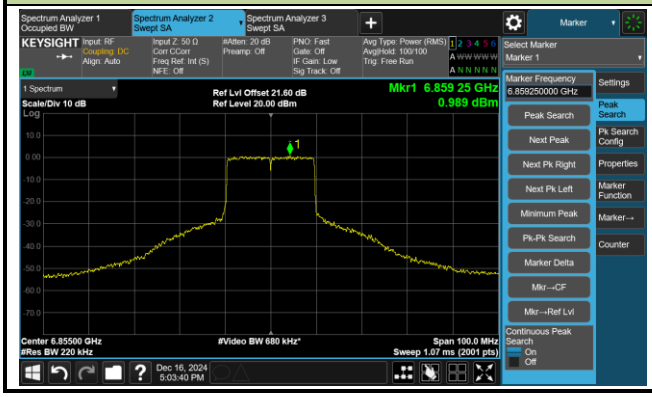
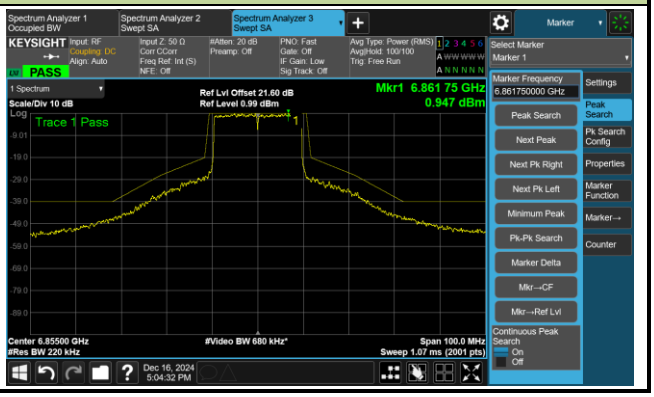


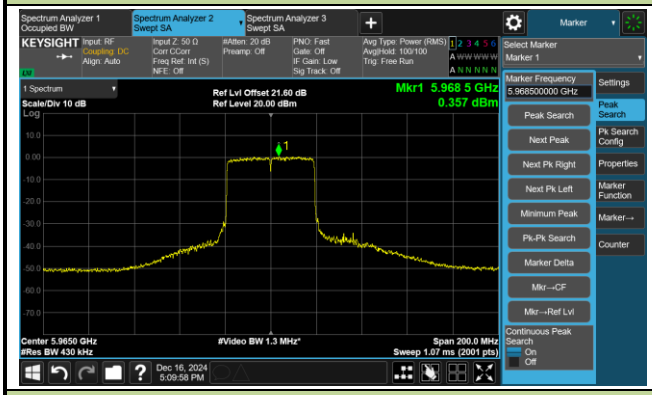
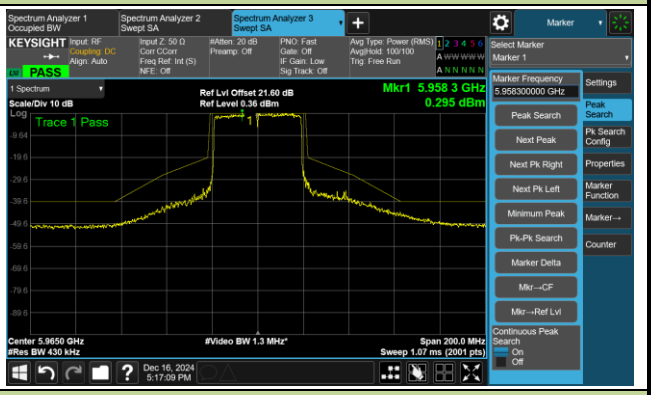
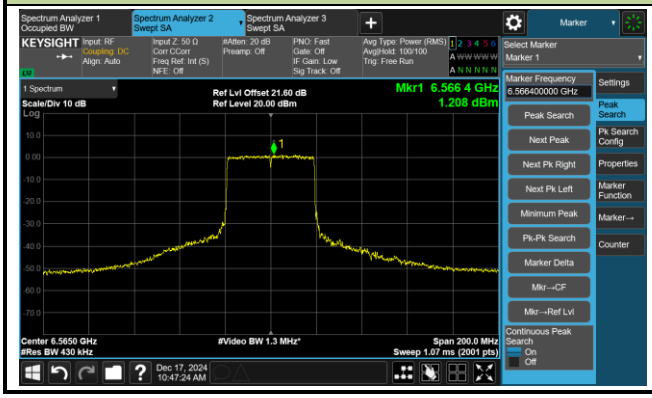
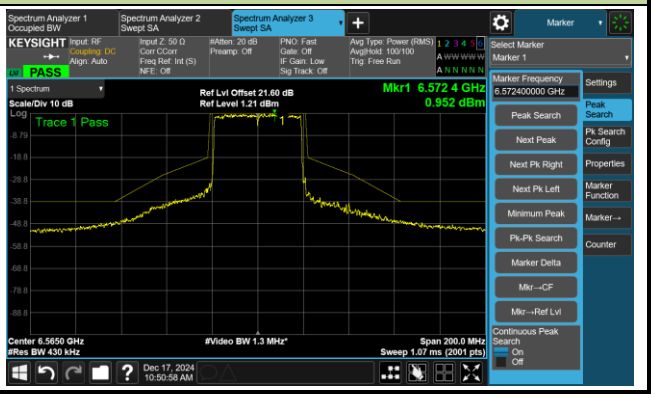
A.5 In-Band Emission Measurement

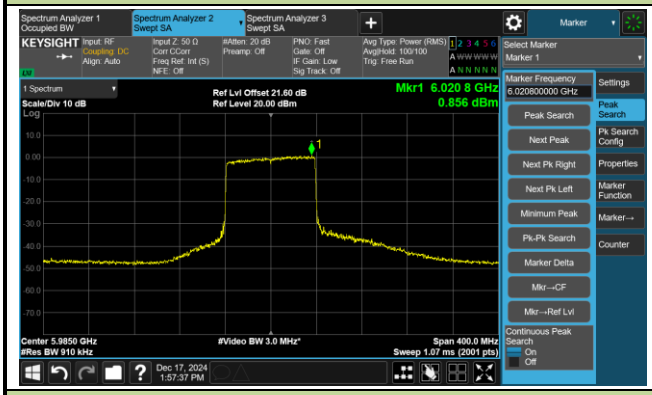
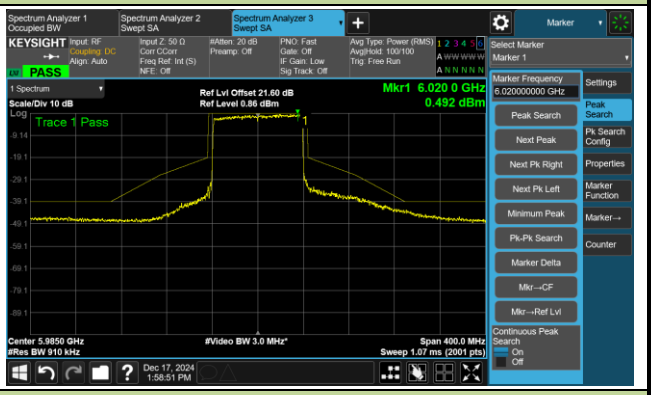
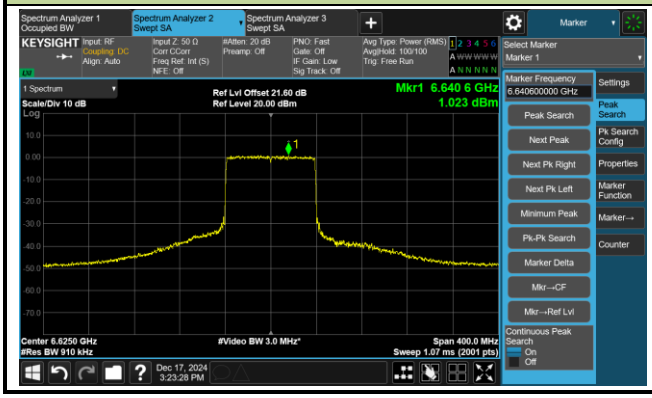
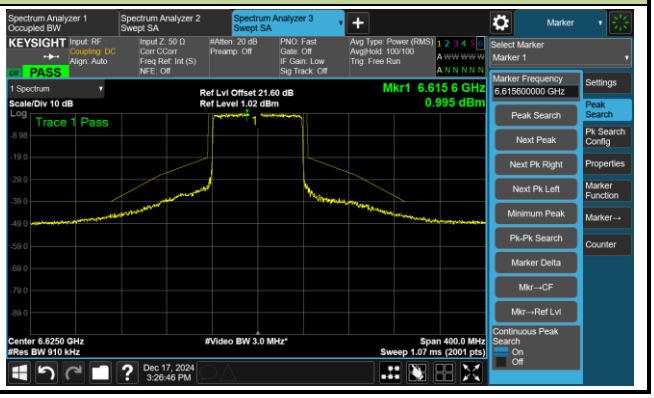
Refer to MRT report No. 2306RSU040-U7 clause A.5.

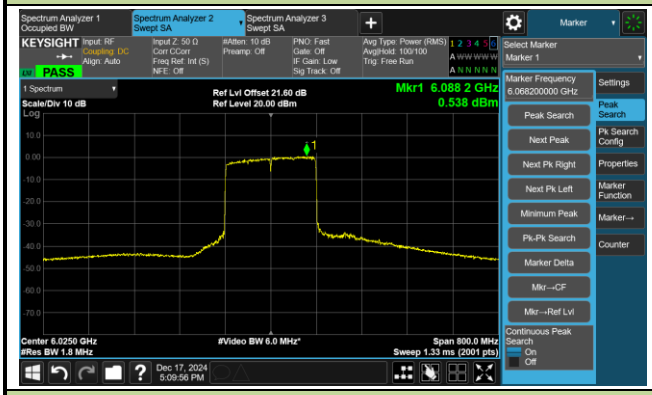
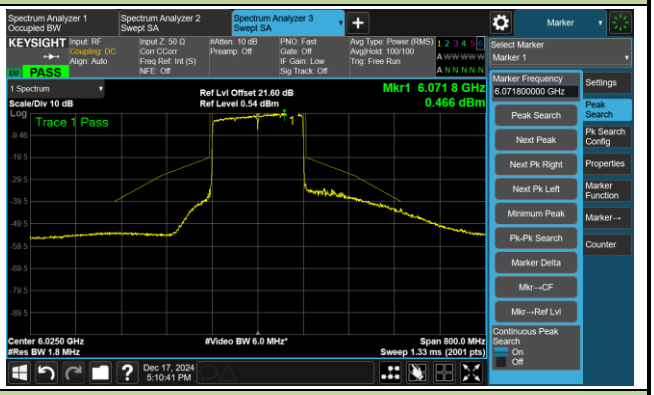
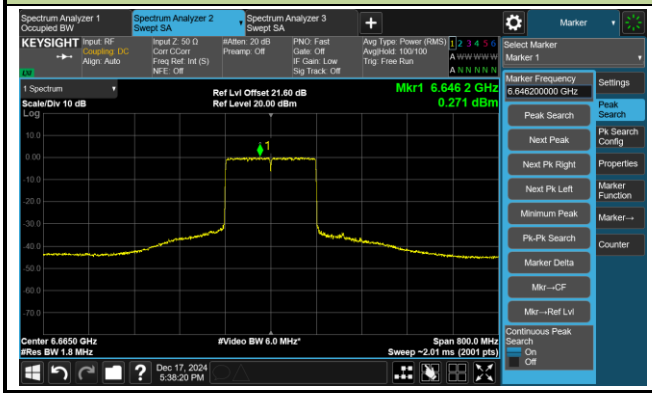
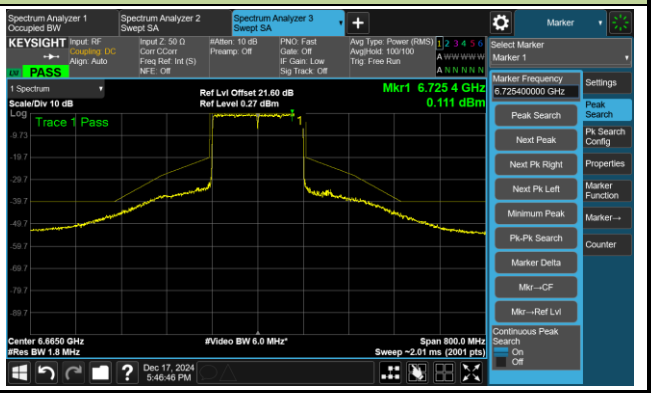
Spot Check:

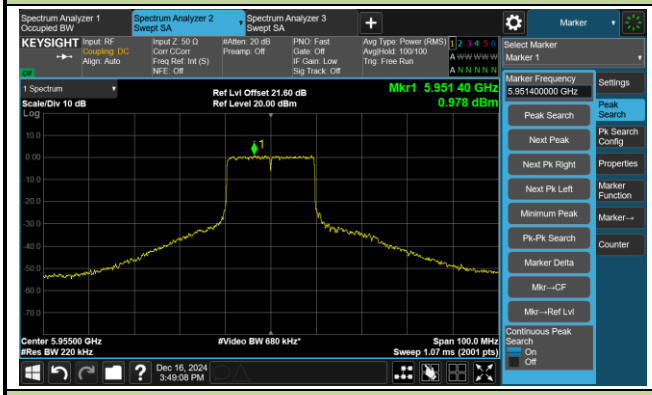
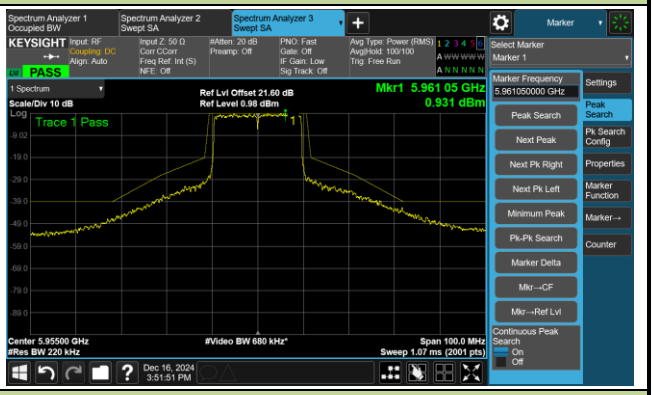
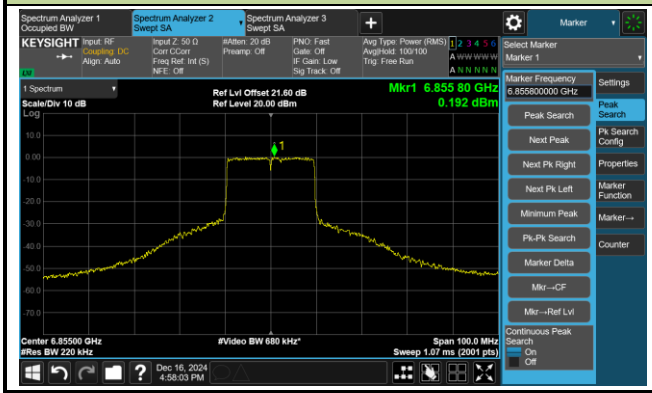
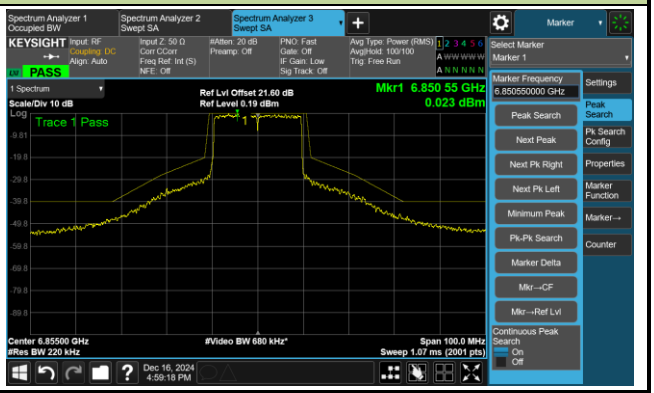
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-12-16 ~ 2024-12-17		

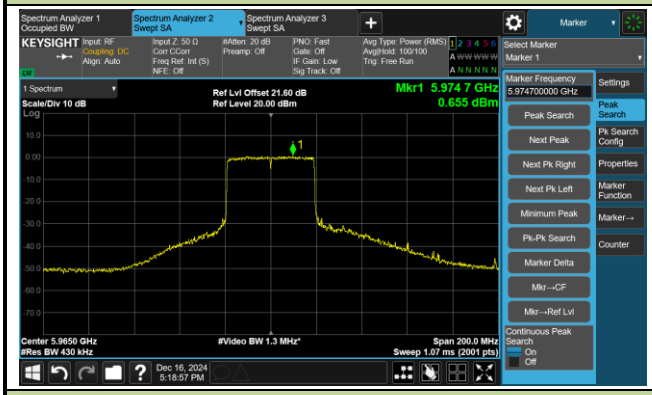
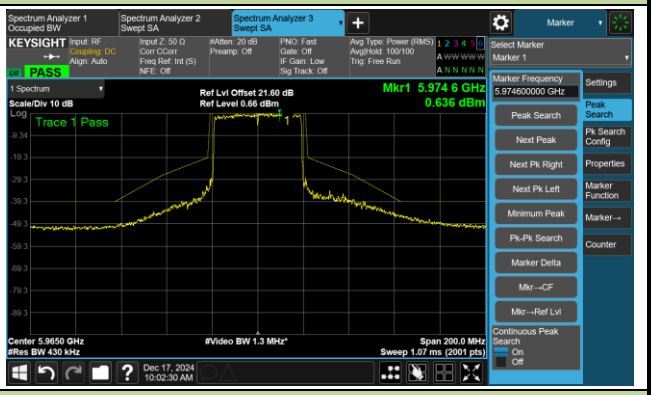
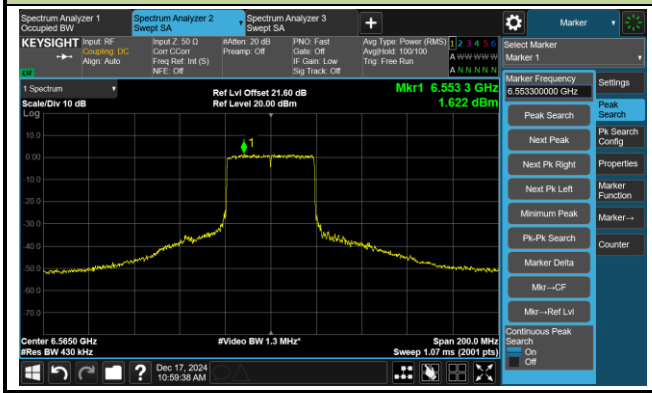
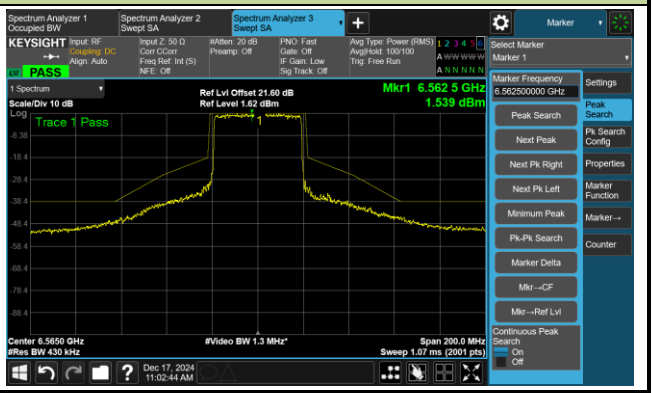
802.11ax-HE20 - Ant 0	
Channel 1 (5955MHz)	
The Reference Level	The Mask Data
	
Channel 181 (6855MHz)	
The Reference Level	The Mask Data
	

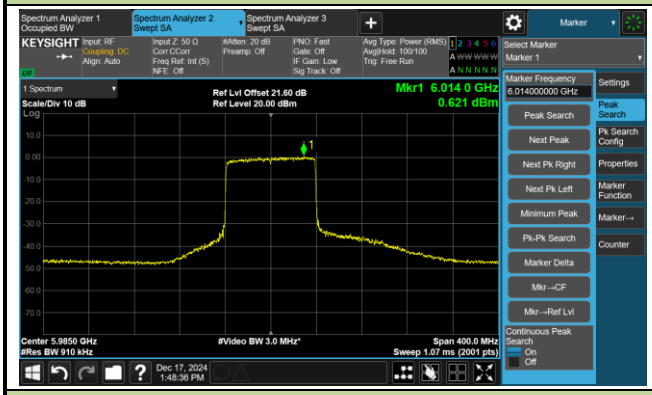
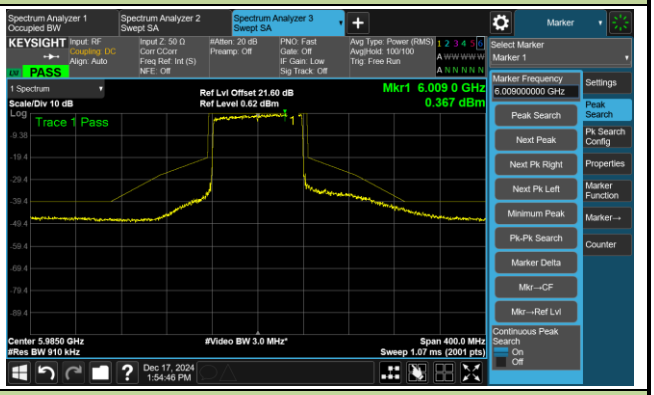
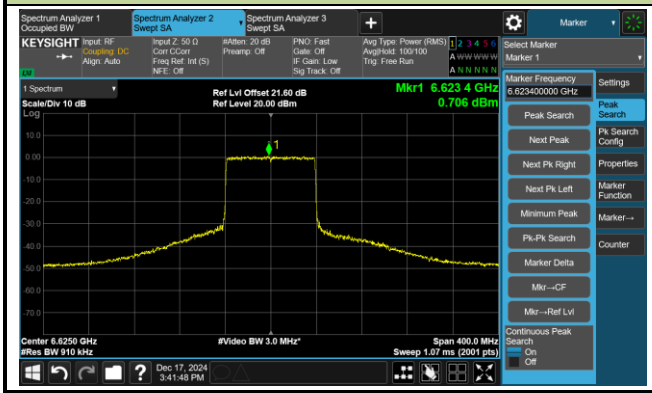
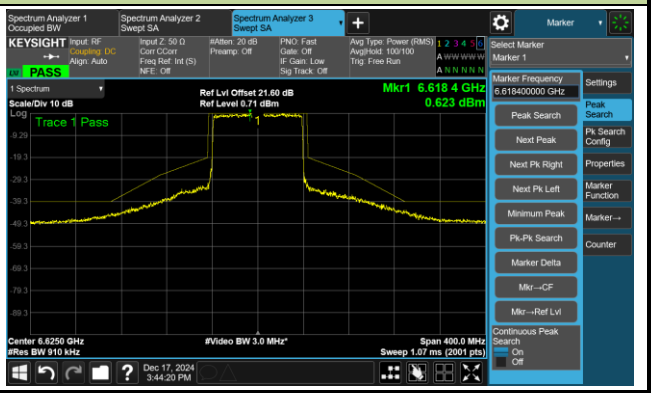
802.11ax-HE40 - Ant 0	
Channel 3 (5965MHz)	
The Reference Level	The Mask Data
	
Channel 123 (6565MHz)	
The Reference Level	The Mask Data
	

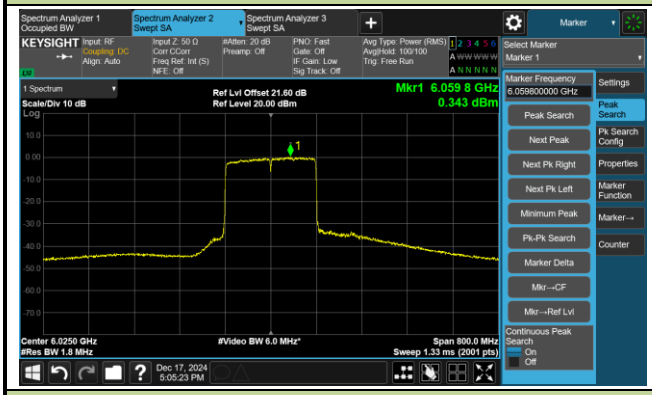
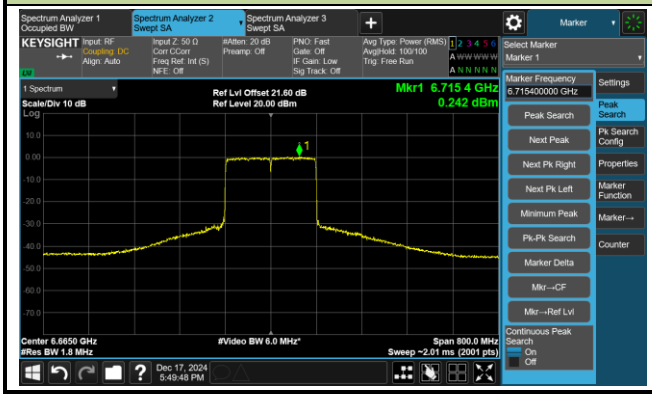
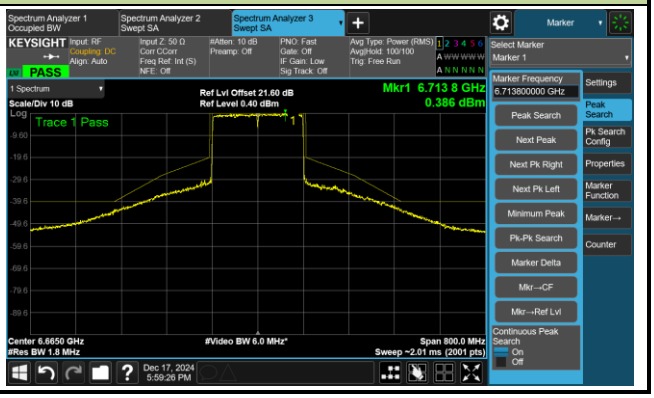
802.11ax-HE80 - Ant 0	
Channel 7 (5985MHz)	
The Reference Level	The Mask Data
	
Channel 135 (6625MHz)	
The Reference Level	The Mask Data
	

802.11ax-HE160 - Ant 0	
Channel 15 (6025MHz)	
The Reference Level	The Mask Data
	
Channel 143 (6665MHz)	
The Reference Level	The Mask Data
	

802.11ax-HE20 - Ant 1	
Channel 1 (5955MHz)	
The Reference Level	The Mask Data
	
Channel 181 (6855MHz)	
The Reference Level	The Mask Data
	

802.11ax-HE40 - Ant 1	
Channel 3 (5965MHz)	
The Reference Level	The Mask Data
	
Channel 123 (6565MHz)	
The Reference Level	The Mask Data
	

802.11ax-HE80 - Ant 1	
Channel 7 (5985MHz)	
The Reference Level	The Mask Data
	
Channel 135 (6625MHz)	
The Reference Level	The Mask Data
	

802.11ax-HE160 - Ant 1	
Channel 15 (6025MHz)	
The Reference Level	The Mask Data
	
Channel 143 (6665MHz)	
The Reference Level	The Mask Data
	

A.6 Frequency Stability Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.6.

Spot Check:

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2025-01-24		
Test Mode	5955MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100	120	- 20	3.05

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10^6.

A.7 Radiated Spurious Emission Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.7.

Spot Check:

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE20 – Channel 1
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	9999.800	35.9	14.3	50.2	88.2	-38.0	Peak	Horizontal
	11137.100	37.4	14.5	51.9	74.0	-22.1	Peak	Horizontal
	11137.100	25.3	14.5	39.8	54.0	-14.2	Average	Horizontal
*	16906.900	38.3	15.1	53.4	88.2	-34.8	Peak	Horizontal
	17962.600	35.5	22.1	57.6	74.0	-16.4	Peak	Horizontal
	17962.600	20.2	22.1	42.3	54.0	-11.7	Average	Horizontal
*	9964.100	37.0	14.2	51.2	88.2	-37.0	Peak	Vertical
	11184.700	37.1	14.4	51.5	74.0	-22.5	Peak	Vertical
	11184.700	27.9	14.4	42.3	54.0	-11.7	Average	Vertical
*	17178.900	36.9	15.7	52.6	88.2	-35.6	Peak	Vertical
	17935.400	37.3	21.8	59.1	74.0	-14.9	Peak	Vertical
	17935.400	19.2	21.8	41.0	54.0	-13.0	Average	Vertical

Note 1: "*" is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE20 – Channel 117
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	10020.200	36.8	14.3	51.1	88.2	-37.1	Peak	Horizontal
	11235.700	36.6	14.3	50.9	74.0	-23.1	Peak	Horizontal
*	16961.300	36.9	15.1	52.0	88.2	-36.2	Peak	Horizontal
	17899.700	36.4	21.6	58.0	74.0	-16.0	Peak	Horizontal
	17899.700	19.7	21.6	41.3	54.0	-12.7	Average	Horizontal
*	9921.600	35.4	14.5	49.9	88.2	-38.3	Peak	Vertical
	10718.900	35.7	15.1	50.8	74.0	-23.2	Peak	Vertical
*	16864.400	37.0	14.9	51.9	88.2	-36.3	Peak	Vertical
	17976.200	35.1	22.5	57.6	74.0	-16.4	Peak	Vertical
	17976.200	19.5	22.5	42.0	54.0	-12.0	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE40 – Channel 3
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	9877.400	35.7	14.6	50.3	88.2	-37.9	Peak	Horizontal
	11344.500	36.1	14.4	50.5	74.0	-23.5	Peak	Horizontal
*	17058.200	36.7	15.1	51.8	88.2	-36.4	Peak	Horizontal
	17925.200	35.2	21.7	56.9	74.0	-17.1	Peak	Horizontal
	17925.200	19.2	21.7	40.9	54.0	-13.1	Average	Horizontal
	10967.100	36.0	15.1	51.1	74.0	-22.9	Peak	Vertical
	10967.100	29.9	15.1	45.0	54.0	-9.0	Average	Vertical
*	14396.000	36.4	15.8	52.2	88.2	-36.0	Peak	Vertical
*	16918.800	36.9	15.2	52.1	88.2	-36.1	Peak	Vertical
	17952.400	35.3	22.0	57.3	74.0	-16.7	Peak	Vertical
	17952.400	19.4	22.0	41.4	54.0	-12.6	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE40 – Channel 147
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
	11419.300	37.1	14.5	51.6	74.0	-22.4	Peak	Horizontal
	11419.300	28.7	14.5	43.2	54.0	-10.8	Average	Horizontal
*	14251.500	36.0	15.6	51.6	88.2	-36.6	Peak	Horizontal
*	16912.000	36.8	15.1	51.9	88.2	-36.3	Peak	Horizontal
	17955.800	35.2	22.1	57.3	74.0	-16.7	Peak	Vertical
	17955.800	19.8	22.1	41.9	54.0	-12.1	Average	Horizontal
*	9763.500	35.8	14.5	50.3	88.2	-37.9	Peak	Vertical
	10681.500	35.9	15.0	50.9	74.0	-23.1	Peak	Vertical
*	16946.000	37.0	15.1	52.1	88.2	-36.1	Peak	Vertical
	17950.700	34.9	22.0	56.9	74.0	-17.1	Peak	Vertical
	17950.700	19.6	22.0	41.6	54.0	-12.4	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE80 – Channel 7
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	10331.300	37.1	15.0	52.1	88.2	-36.1	Peak	Horizontal
	10795.400	35.5	15.2	50.7	74.0	-23.3	Peak	Horizontal
*	14360.300	36.9	15.9	52.8	88.2	-35.4	Peak	Horizontal
	17920.100	36.6	21.6	58.2	74.0	-15.8	Peak	Horizontal
	17920.100	19.9	21.6	41.5	54.0	-12.5	Average	Horizontal
*	9697.200	36.8	14.1	50.9	88.2	-37.3	Peak	Vertical
	11285.000	36.6	14.4	51.0	74.0	-23.0	Peak	Vertical
*	14355.200	36.3	15.8	52.1	88.2	-36.1	Peak	Vertical
	17947.300	35.7	22.0	57.7	74.0	-16.3	Peak	Vertical
	17947.300	19.6	22.0	41.6	54.0	-12.4	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE80 – Channel 151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	9921.600	36.0	14.5	50.5	88.2	-37.7	Peak	Horizontal
	10922.900	35.8	15.2	51.0	74.0	-23.0	Peak	Horizontal
*	14384.100	36.0	15.9	51.9	88.2	-36.3	Peak	Horizontal
	17967.700	35.6	22.2	57.8	74.0	-16.2	Peak	Horizontal
	17967.700	19.5	22.2	41.7	54.0	-12.3	Average	Horizontal
*	10538.700	35.4	15.2	50.6	88.2	-37.6	Peak	Vertical
	11138.800	36.5	14.5	51.0	74.0	-23.0	Peak	Vertical
*	14936.600	37.4	15.0	52.4	88.2	-35.8	Peak	Vertical
	17967.700	35.6	22.2	57.8	74.0	-16.2	Peak	Vertical
	17967.700	19.4	22.2	41.6	54.0	-12.4	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE160 – Channel 15
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	9773.700	36.7	14.5	51.2	88.2	-37.0	Peak	Horizontal
	10914.400	35.6	15.2	50.8	74.0	-23.2	Peak	Horizontal
*	14290.600	35.6	15.7	51.3	88.2	-36.9	Peak	Horizontal
	17996.600	35.2	22.8	58.0	74.0	-16.0	Peak	Horizontal
	17996.600	19.8	22.8	42.6	54.0	-11.4	Average	Horizontal
*	10579.500	36.1	15.1	51.2	88.2	-37.0	Peak	Horizontal
	11332.600	36.4	14.4	50.8	74.0	-23.2	Peak	Vertical
*	14377.300	36.0	16.0	52.0	88.2	-36.2	Peak	Vertical
	17998.300	33.9	22.8	56.7	74.0	-17.3	Peak	Vertical
	17998.300	19.4	22.8	42.2	54.0	-11.8	Average	Vertical

Note 1: “*” is not in restricted band.

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

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

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2024-12-30	Test Mode	802.11ax-HE160 – Channel 143
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 (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Polarization
*	10426.500	34.9	15.1	50.0	88.2	-38.2	Peak	Horizontal
	11184.700	36.1	14.4	50.5	74.0	-23.5	Peak	Horizontal
*	14117.200	35.5	15.2	50.7	88.2	-37.5	Peak	Horizontal
	17996.600	34.0	22.8	56.8	74.0	-17.2	Peak	Horizontal
	17996.600	19.5	22.8	42.3	54.0	-11.7	Average	Horizontal
*	10509.800	35.2	15.1	50.3	88.2	-37.9	Peak	Vertical
	11516.200	36.5	14.2	50.7	74.0	-23.3	Peak	Vertical
*	14688.400	35.7	15.8	51.5	88.2	-36.7	Peak	Vertical
	17962.600	35.1	22.1	57.2	74.0	-16.8	Peak	Vertical
	17962.600	19.3	22.1	41.4	54.0	-12.6	Average	Vertical

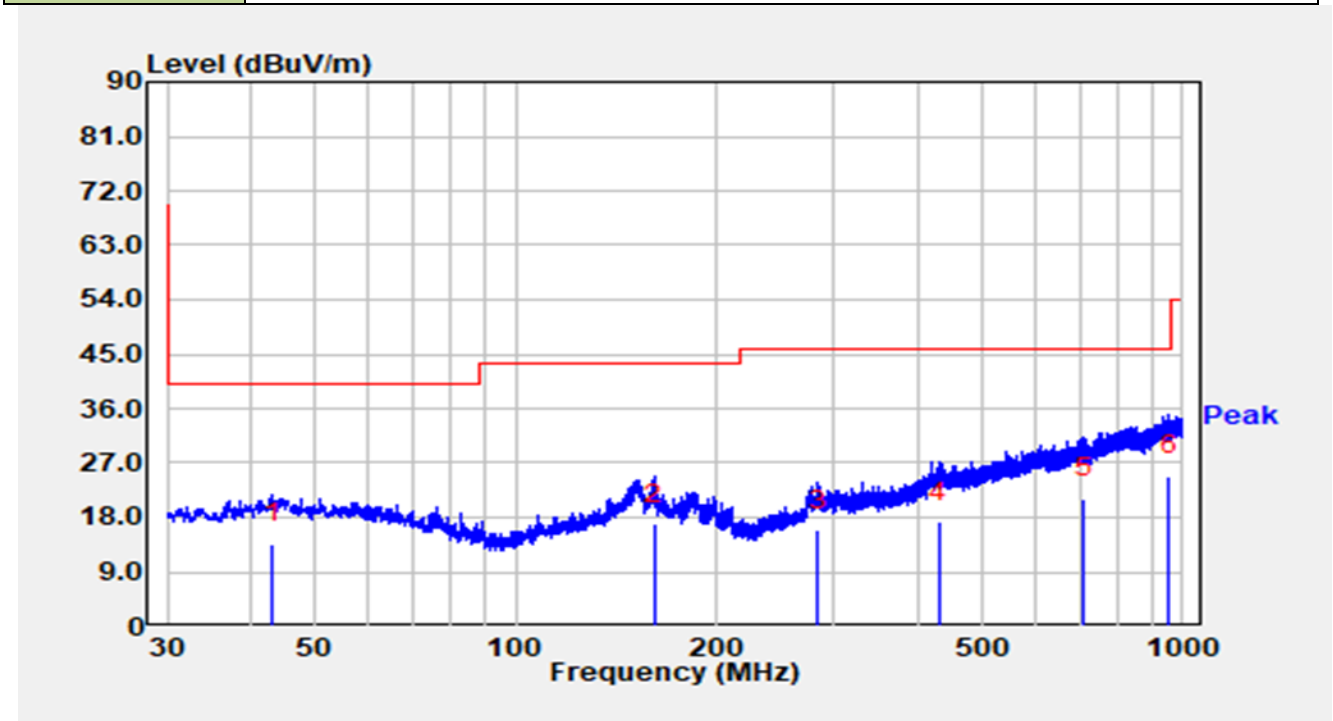
Note 1: “*” is not in restricted band.

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

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

The Result of Radiated Emission in 30M ~ 1GHz:

Site	WZ-AC1	Test Date	2024-12-28
Limit	FCC_6G_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 802.11ax-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		43.095	-4.50	18.17	13.67	-26.33	40.00	QP
2		161.047	-1.54	18.38	16.85	-26.65	43.50	QP
3		283.752	-2.58	18.45	15.87	-30.13	46.00	QP
4		430.513	-4.98	22.24	17.26	-28.74	46.00	QP
5		710.067	-6.53	27.63	21.11	-24.89	46.00	QP
6	*	954.895	-5.77	30.69	24.92	-21.08	46.00	QP

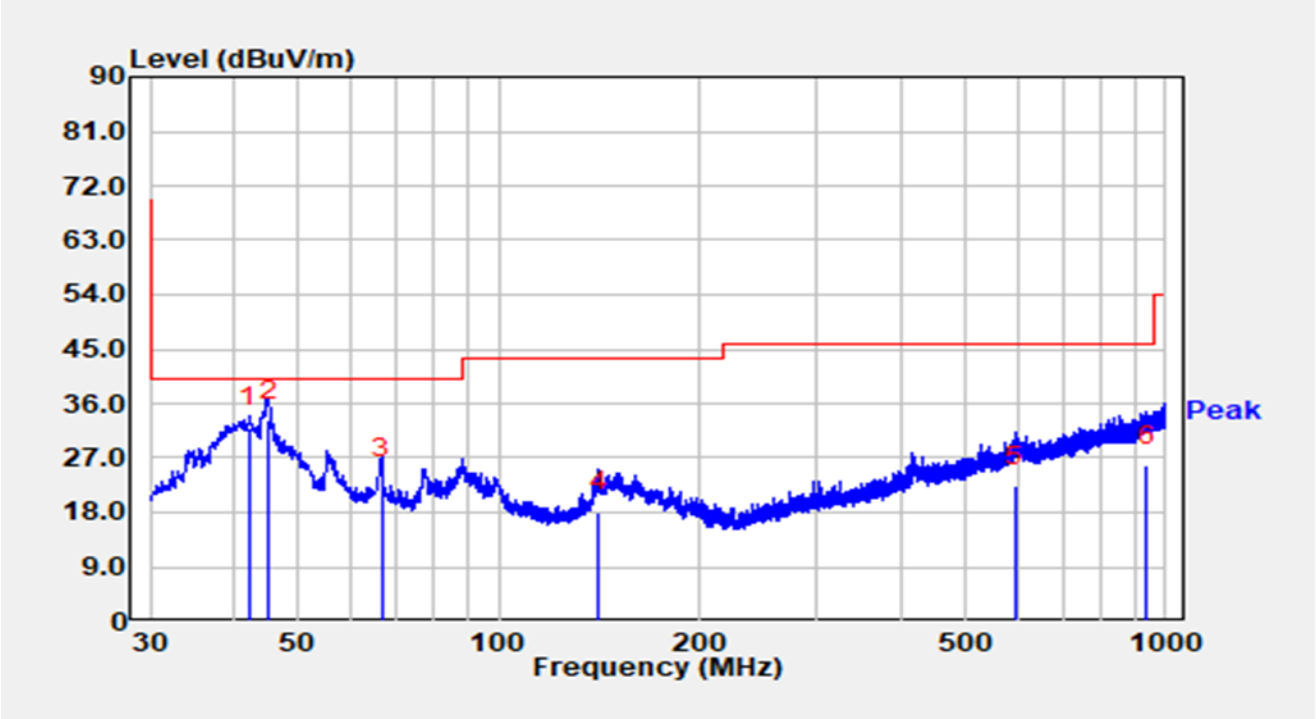
Notes:

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_6G_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 802.11ax-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		42.125	13.94	18.07	32.01	-7.99	40.00	QP
2	*	45.229	14.90	18.32	33.22	-6.78	40.00	QP
3		66.666	6.28	17.29	23.56	-16.44	40.00	QP
4		140.968	0.23	17.83	18.06	-25.44	43.50	QP
5		595.025	-3.37	25.77	22.40	-23.60	46.00	QP
6		937.241	-5.04	30.70	25.66	-20.34	46.00	QP

Notes:

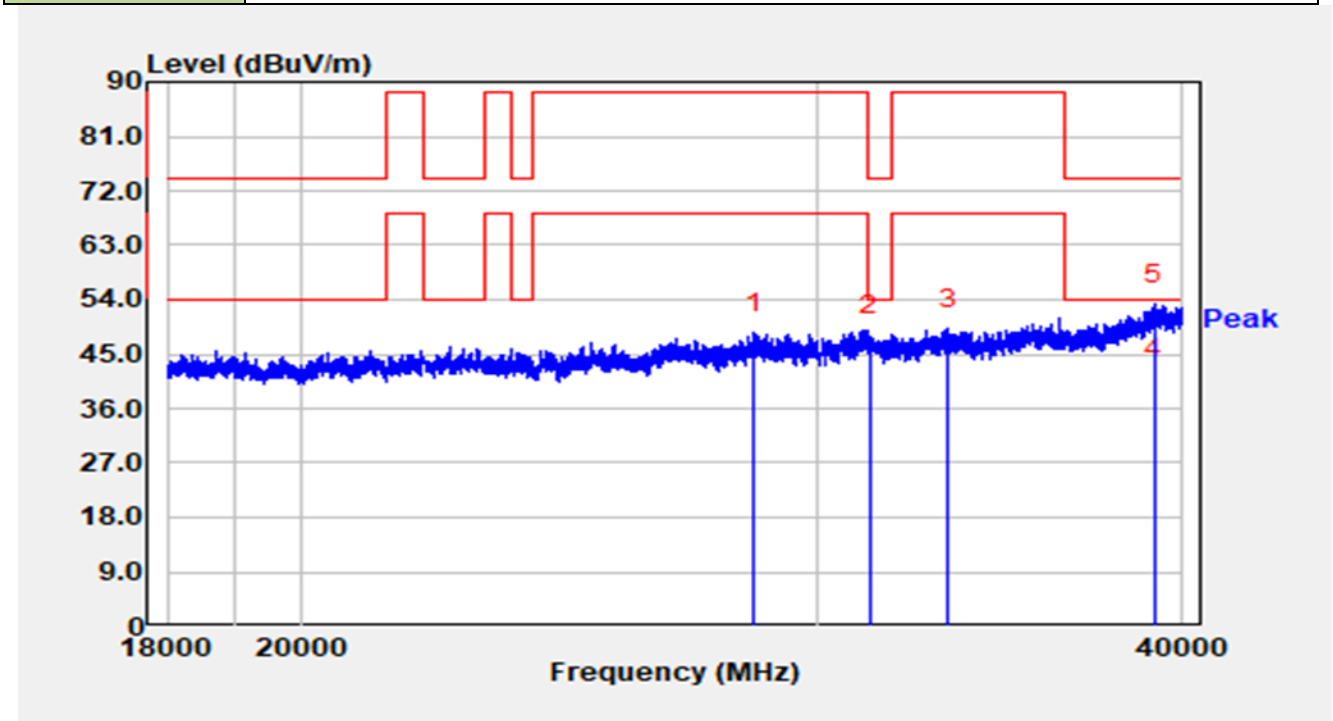
1. " *", means this data is the worst emission level.

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 in 18G ~ 40GHz:

Site	WZ-AC1	Test Date	2025-01-01
Limit	FCC_6G_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 802.11ax-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		28568.800	54.86	-6.44	48.42	-39.78	88.20	Peak
2		31288.000	51.81	-3.90	47.92	-26.08	74.00	Peak
3		33281.200	53.94	-4.84	49.10	-39.10	88.20	Peak
4	*	39104.600	41.91	-0.96	40.95	-13.05	54.00	Average
5		39104.600	54.22	-0.96	53.27	-20.73	74.00	Peak

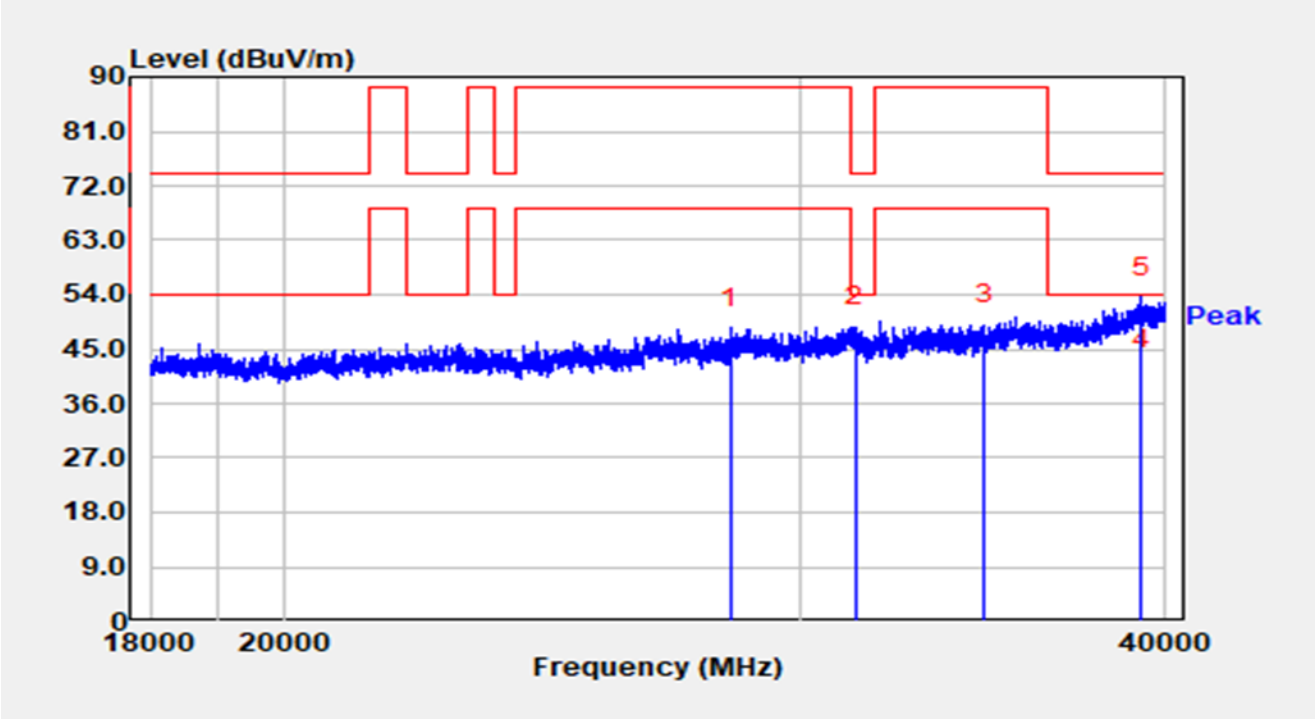
Notes:

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-AC1	Test Date	2025-01-01
Limit	FCC_6G_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 802.11ax-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		28403.800	54.99	-6.51	48.49	-39.71	88.20	Peak
2		31334.200	53.18	-4.58	48.60	-25.40	74.00	Peak
3		34689.200	54.37	-5.40	48.97	-39.23	88.20	Peak
4	*	39234.400	42.16	-0.44	41.72	-12.28	54.00	Average
5		39234.400	53.96	-0.44	53.52	-20.48	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).

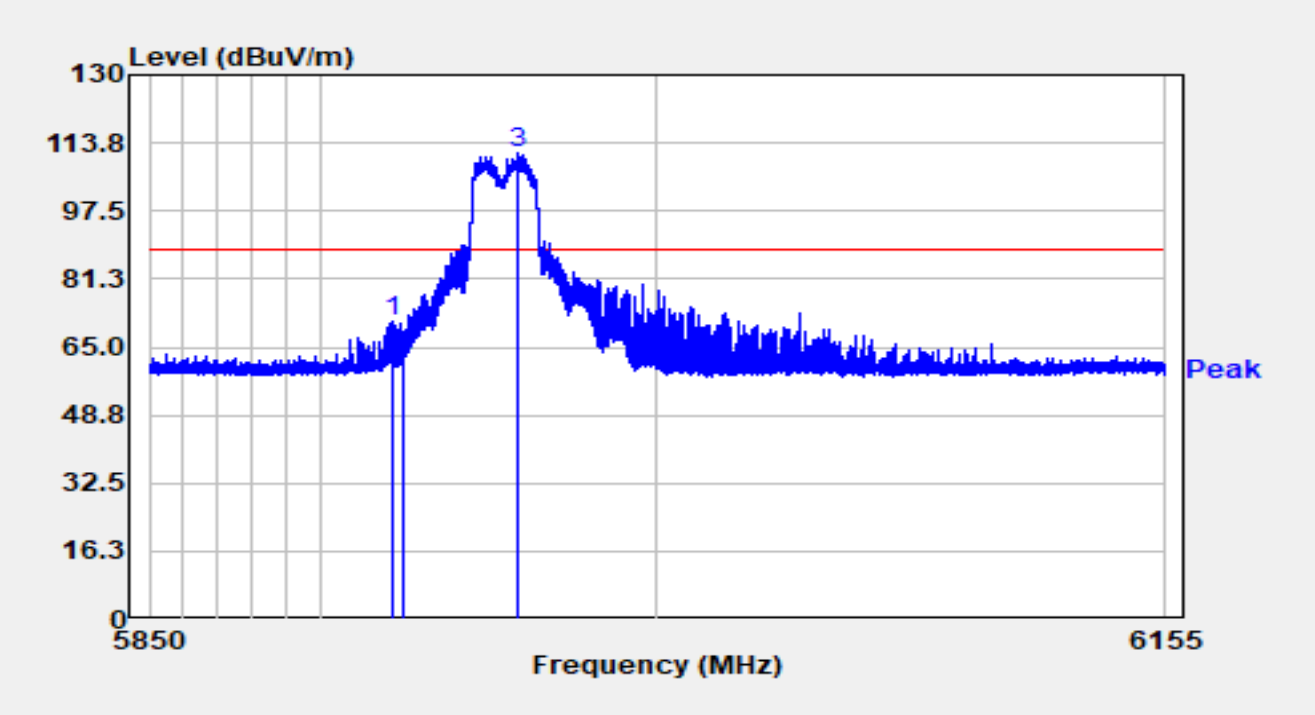
3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

A.8 Radiated Restricted Band Edge Test Result

Refer to MRT report No. 2306RSU040-U7 clause A.8.

Spot Check:

Site	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5955MHz		

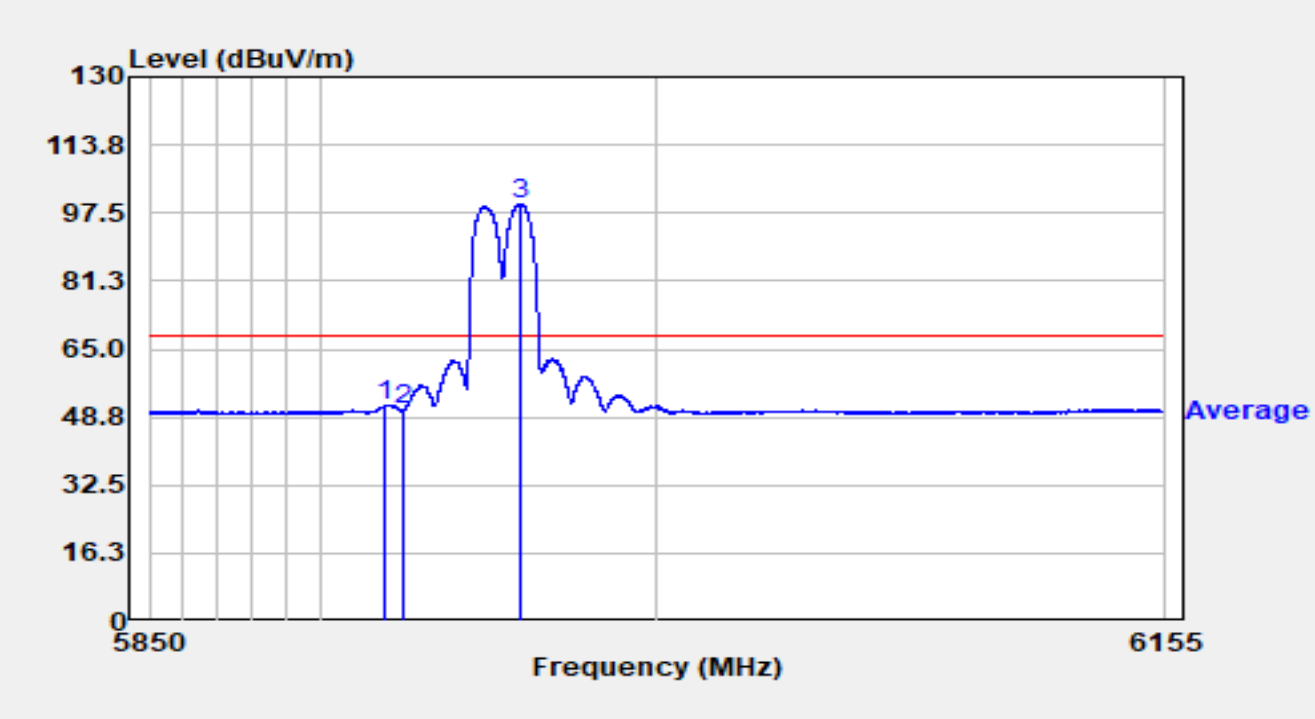


No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5921.797	75.11	-4.14	70.97	-17.23	88.20	Peak
2		5925.000	67.15	-4.17	62.98	-25.22	88.20	Peak
3		5959.068	115.69	-4.20	111.48	N/A	N/A	Peak

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5955MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5919.601	55.85	-4.12	51.72	-16.48	68.20	Average
2		5925.000	54.50	-4.17	50.33	-17.87	68.20	Average
3		5959.556	103.80	-4.20	99.60	N/A	N/A	Average

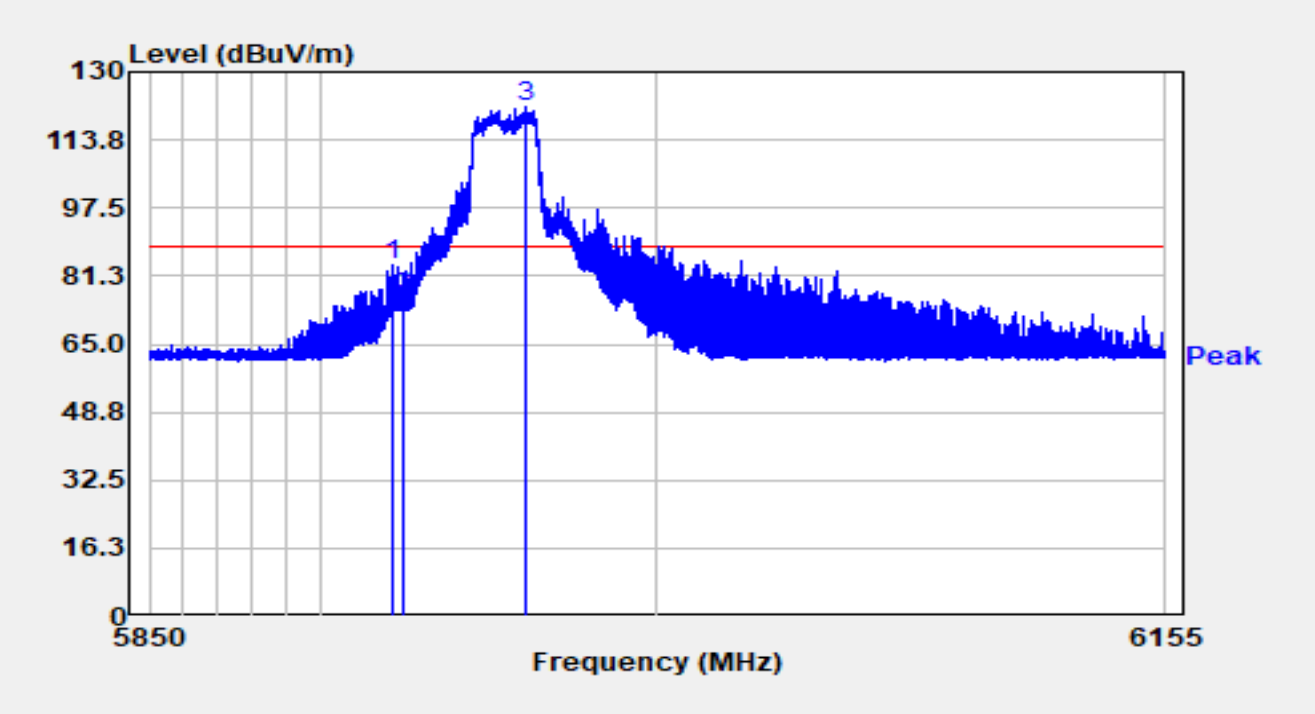
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5955MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5921.889	88.09	-4.14	83.94	-4.26	88.20	Peak
2		5925.000	80.05	-4.17	75.88	-12.32	88.20	Peak
3		5961.233	125.67	-4.18	121.49	N/A	N/A	Peak

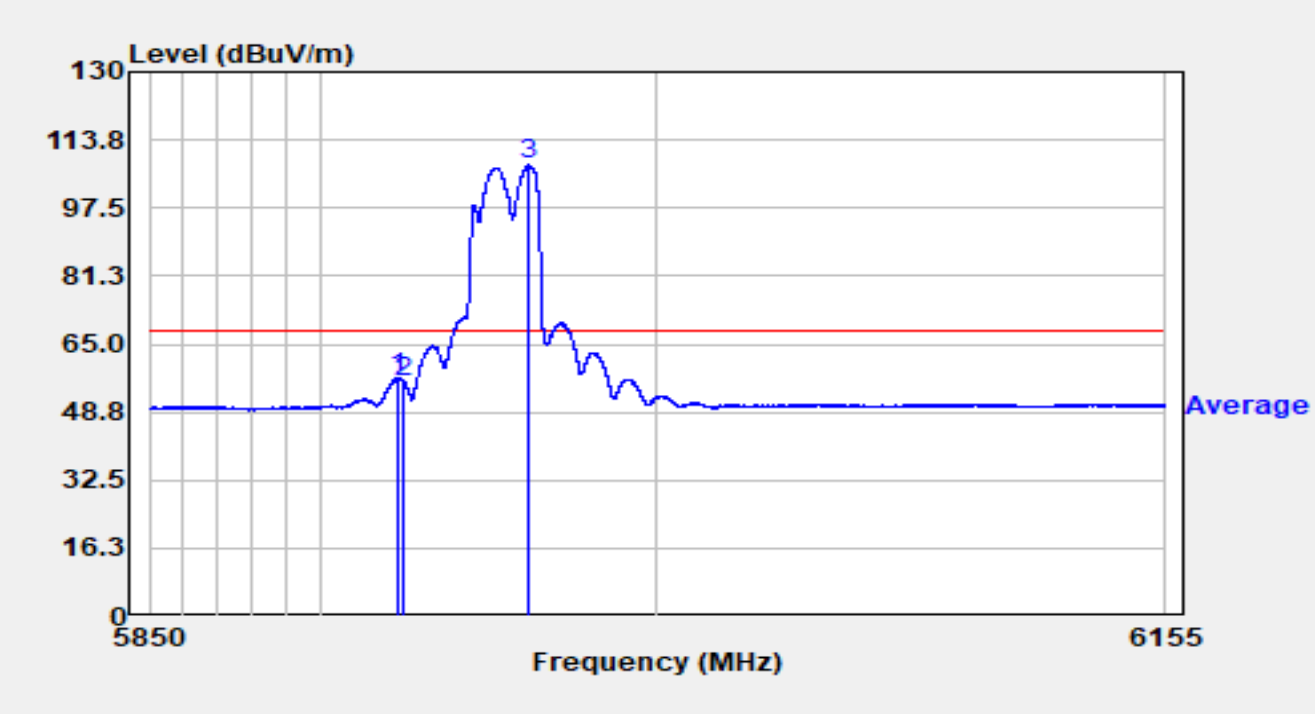
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE20 at 5955MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5923.322	61.05	-4.16	56.89	-11.31	68.20	Average
2		5925.000	60.12	-4.17	55.95	-12.25	68.20	Average
3		5962.271	111.90	-4.17	107.72	N/A	N/A	Average

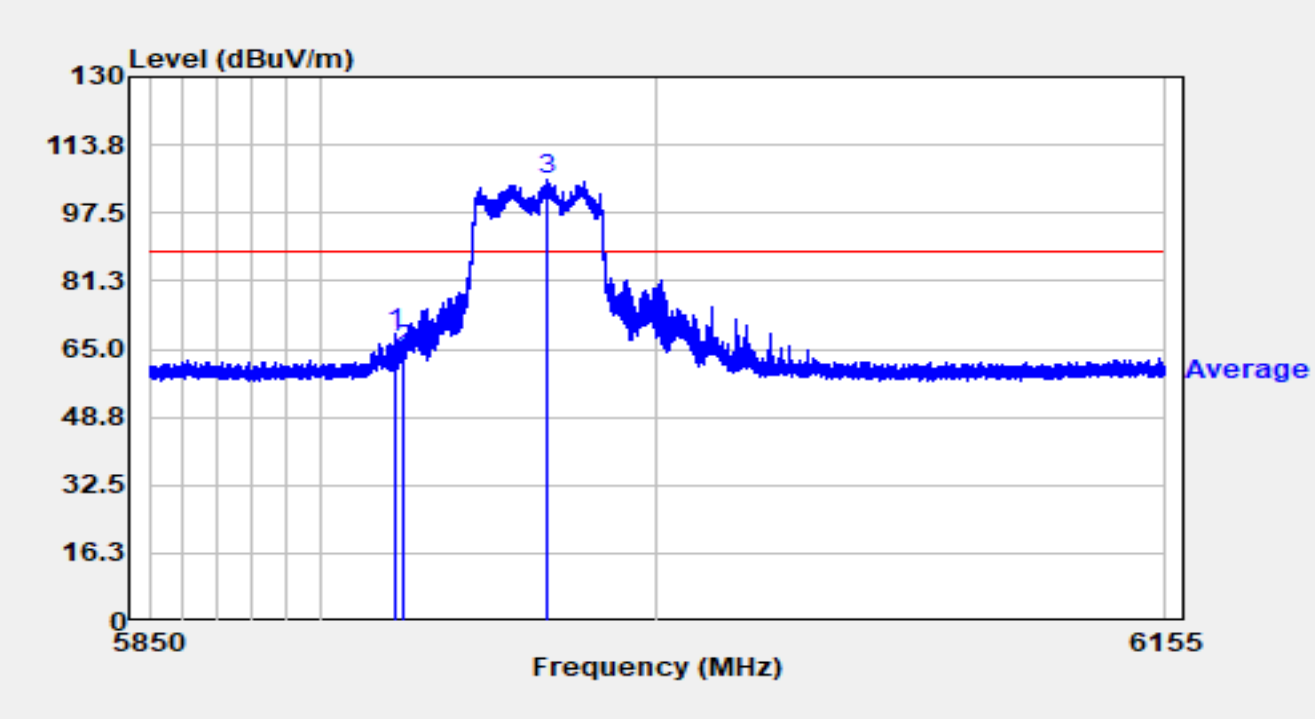
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5965MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5922.346	72.80	-4.15	68.65	-19.55	88.20	Peak
2		5925.000	68.73	-4.17	64.56	-23.64	88.20	Peak
3		5967.608	109.74	-4.18	105.55	N/A	N/A	Peak

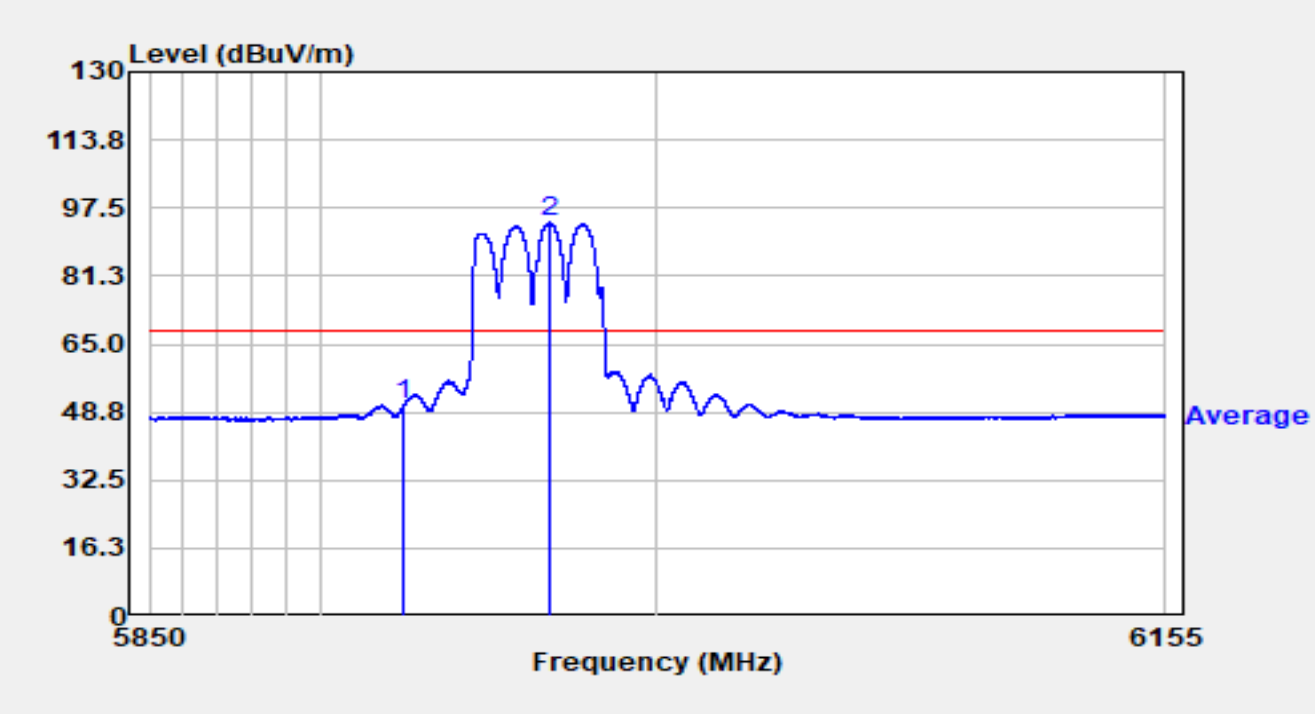
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5965MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5925.000	54.46	-4.17	50.29	-17.91	68.20	Average
2		5967.943	98.14	-4.18	93.96	N/A	N/A	Average

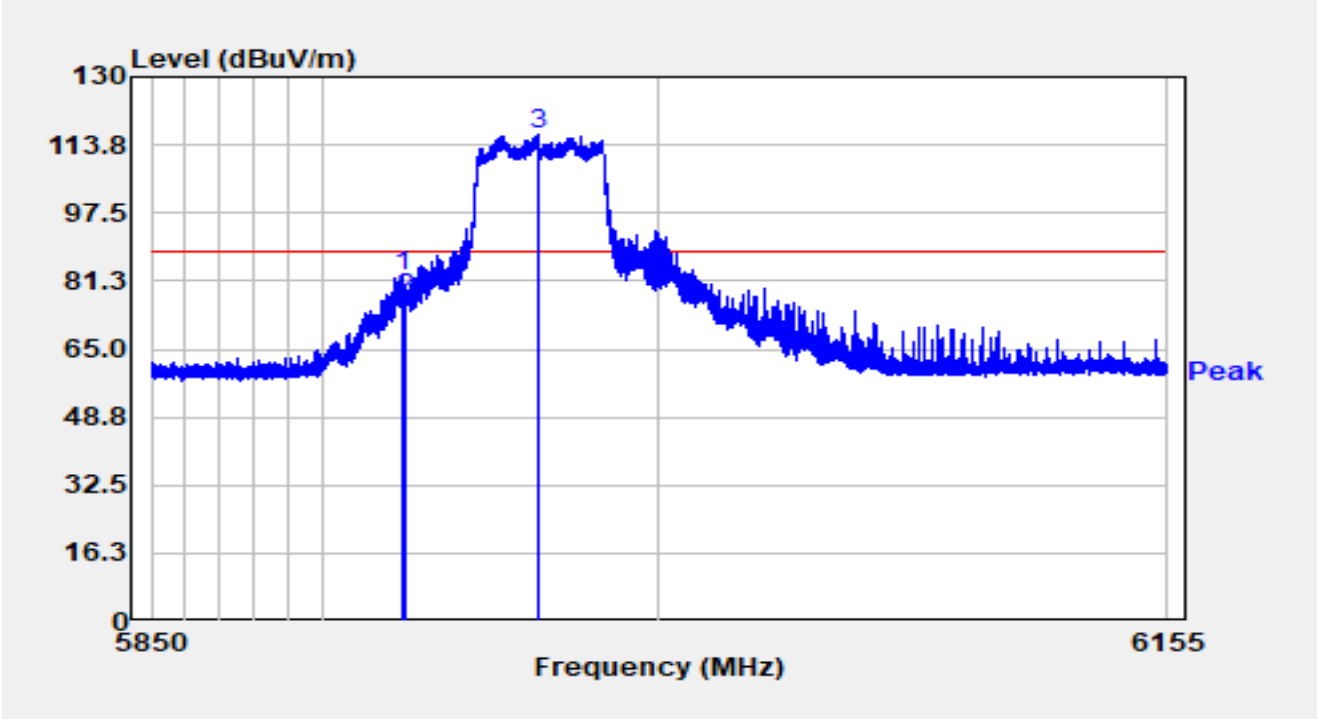
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5965MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5923.627	86.78	-4.16	82.63	-5.57	88.20	Peak
2		5925.000	81.41	-4.17	77.23	-10.97	88.20	Peak
3		5964.009	120.29	-4.16	116.13	N/A	N/A	Peak

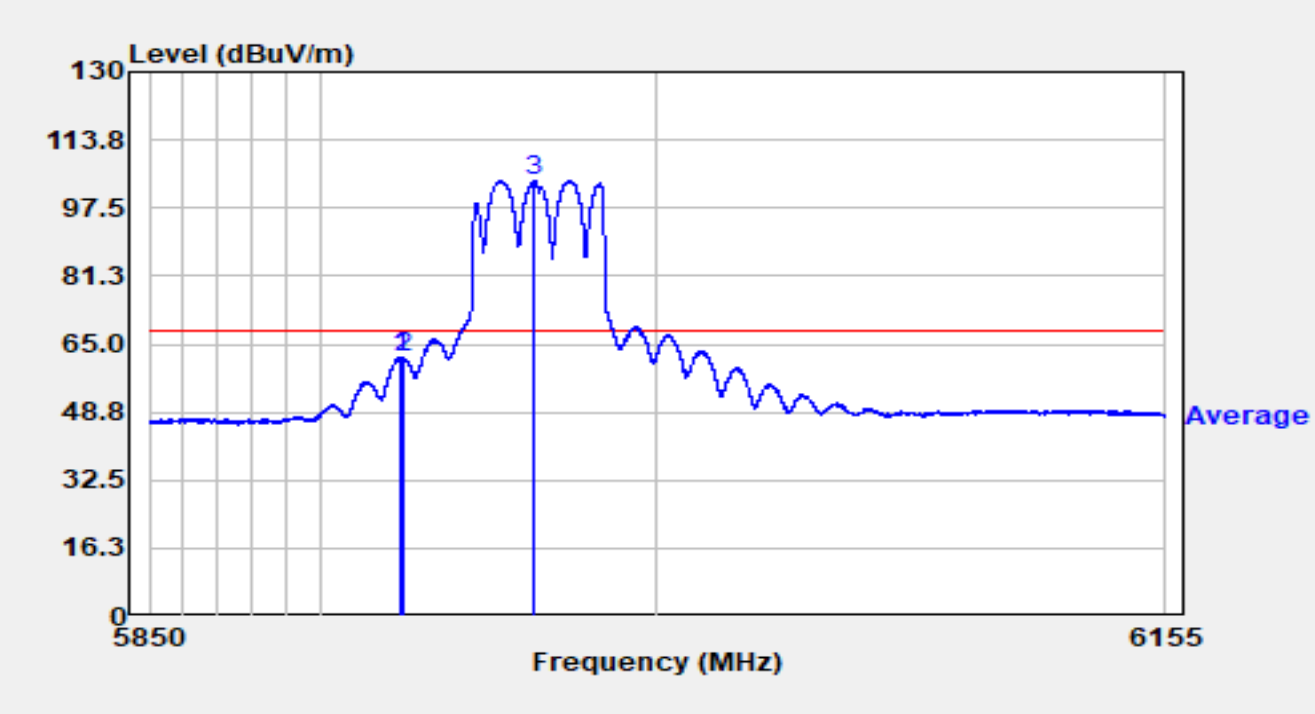
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE40 at 5965MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5924.023	66.20	-4.16	62.04	-6.16	68.20	Average
2		5925.000	65.99	-4.17	61.82	-6.38	68.20	Average
3		5963.856	108.31	-4.16	104.15	N/A	N/A	Average

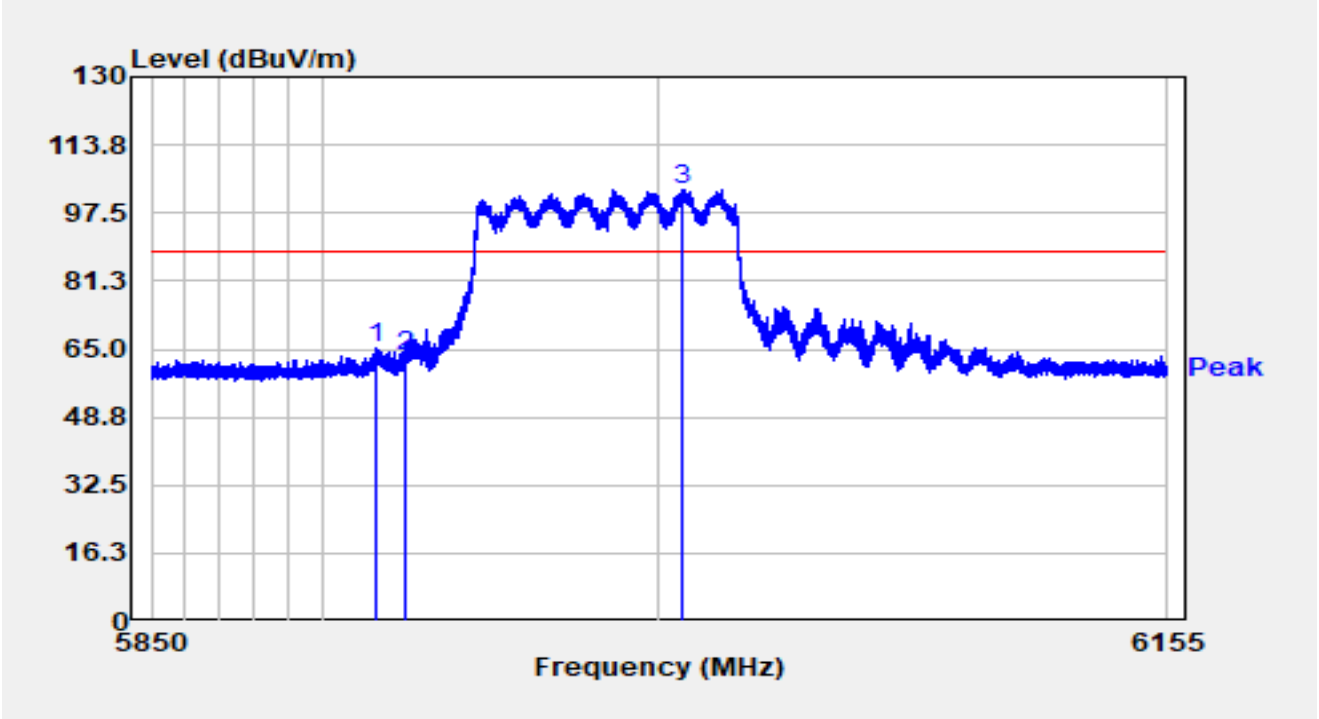
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5985MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5916.063	69.21	-4.09	65.12	-23.08	88.20	Peak
2		5925.000	67.54	-4.17	63.37	-24.83	88.20	Peak
3		6007.167	107.33	-4.21	103.12	N/A	N/A	Peak

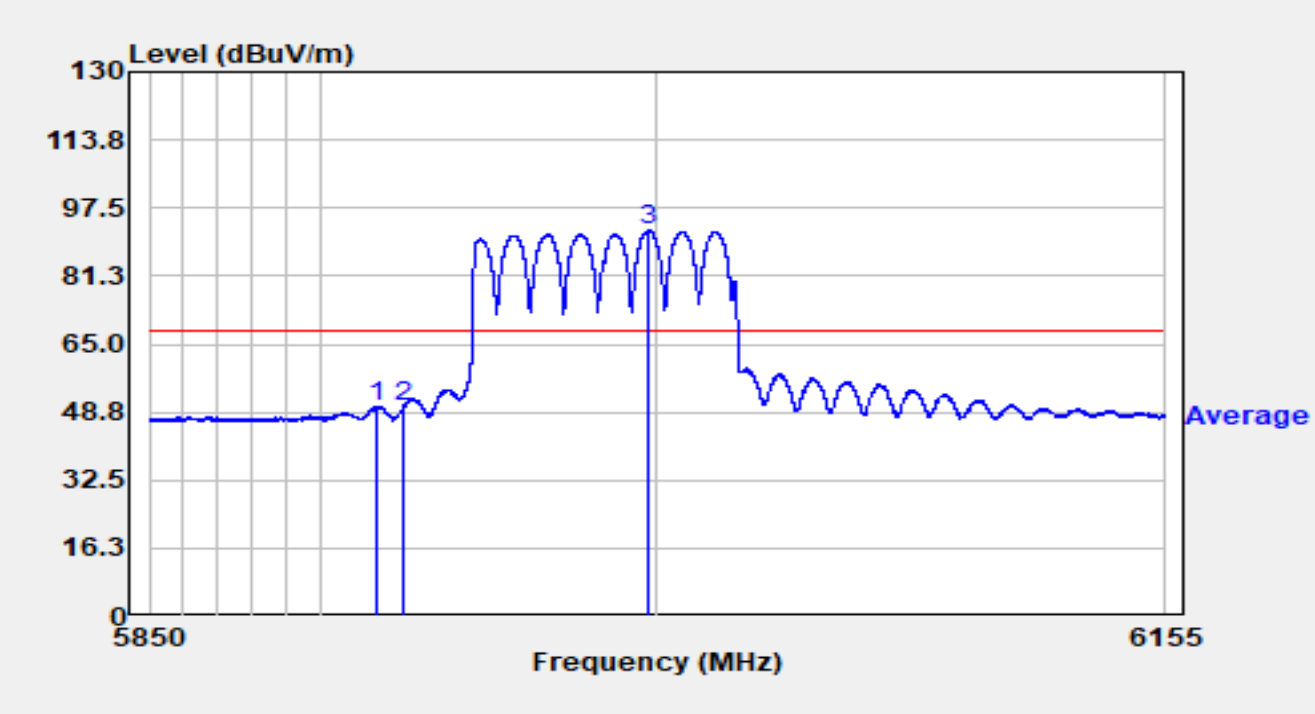
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5985MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5917.191	54.37	-4.10	50.26	-17.94	68.20	Average
2		5925.000	54.41	-4.17	50.24	-17.96	68.20	Average
3		5998.139	96.25	-4.10	92.15	N/A	N/A	Average

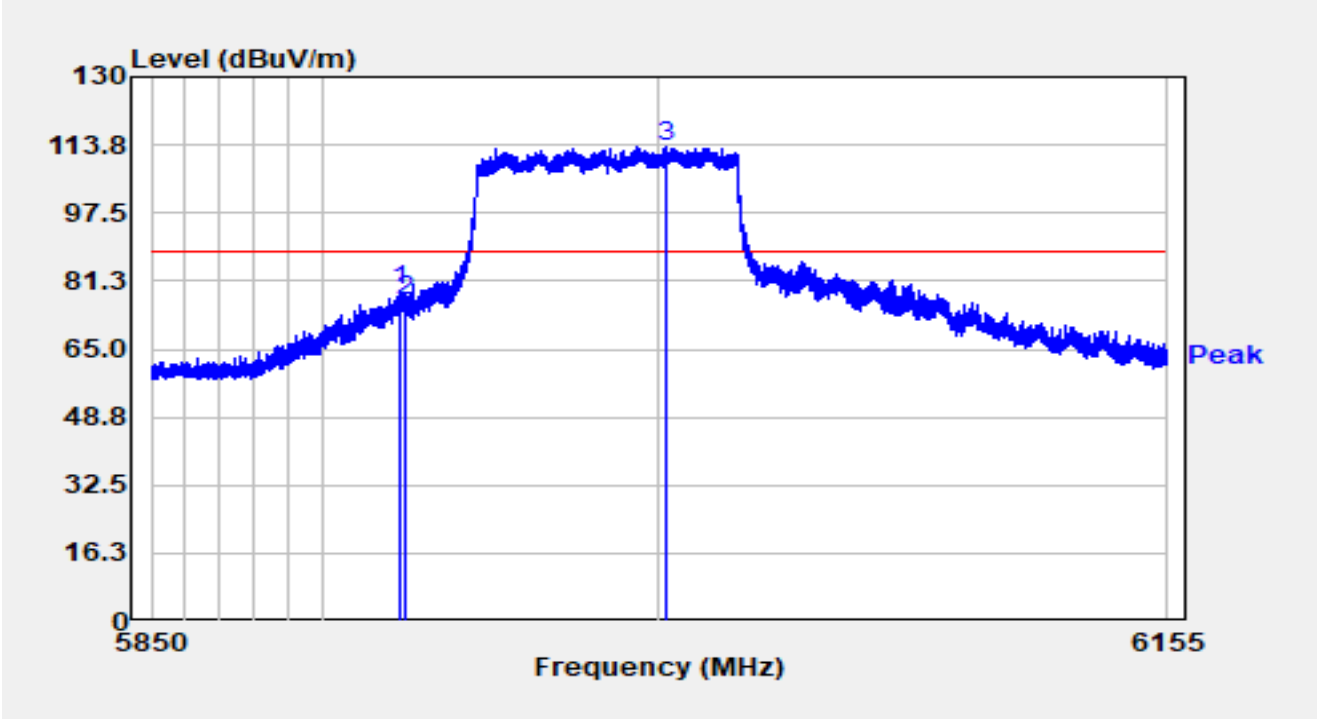
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5985MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5923.475	83.27	-4.16	79.11	-9.09	88.20	Peak
2		5925.000	80.47	-4.17	76.29	-11.91	88.20	Peak
3		6002.713	117.62	-4.15	113.47	N/A	N/A	Peak

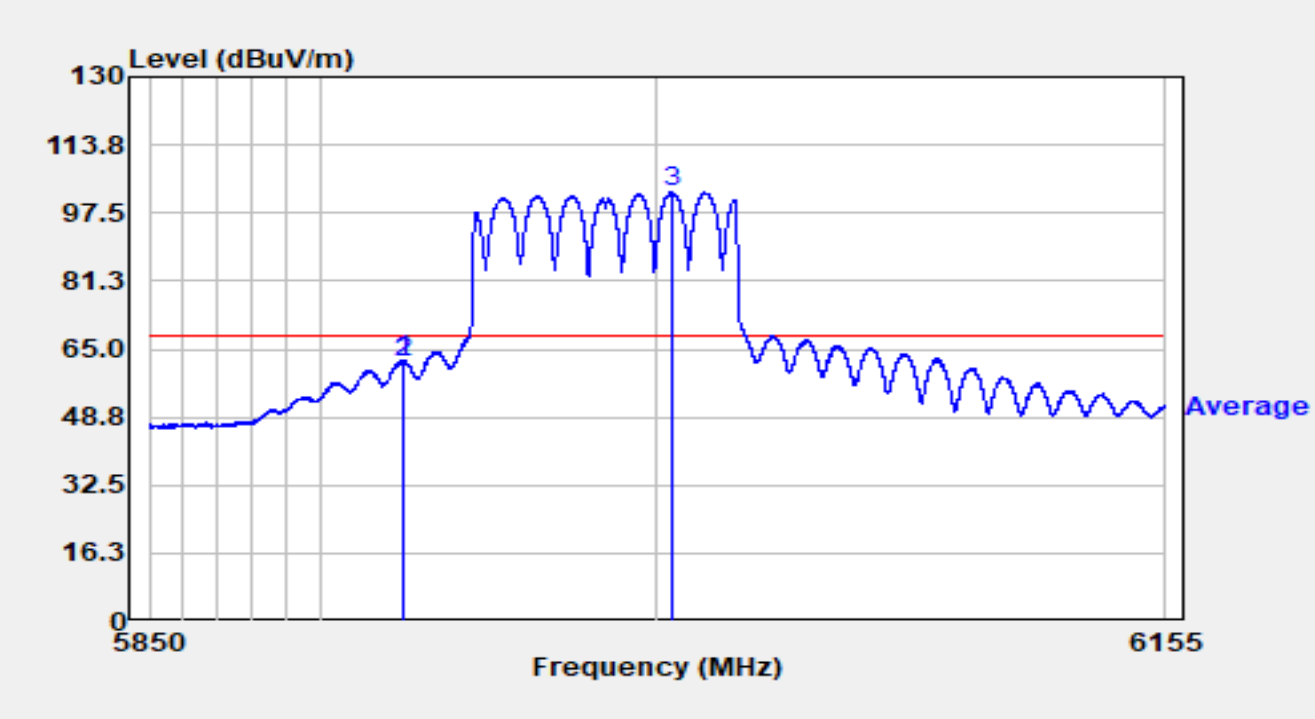
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE80 at 5985MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5924.542	66.64	-4.17	62.47	-5.73	68.20	Average
2		5925.000	66.14	-4.17	61.96	-6.24	68.20	Average
3		6004.696	106.60	-4.18	102.42	N/A	N/A	Average

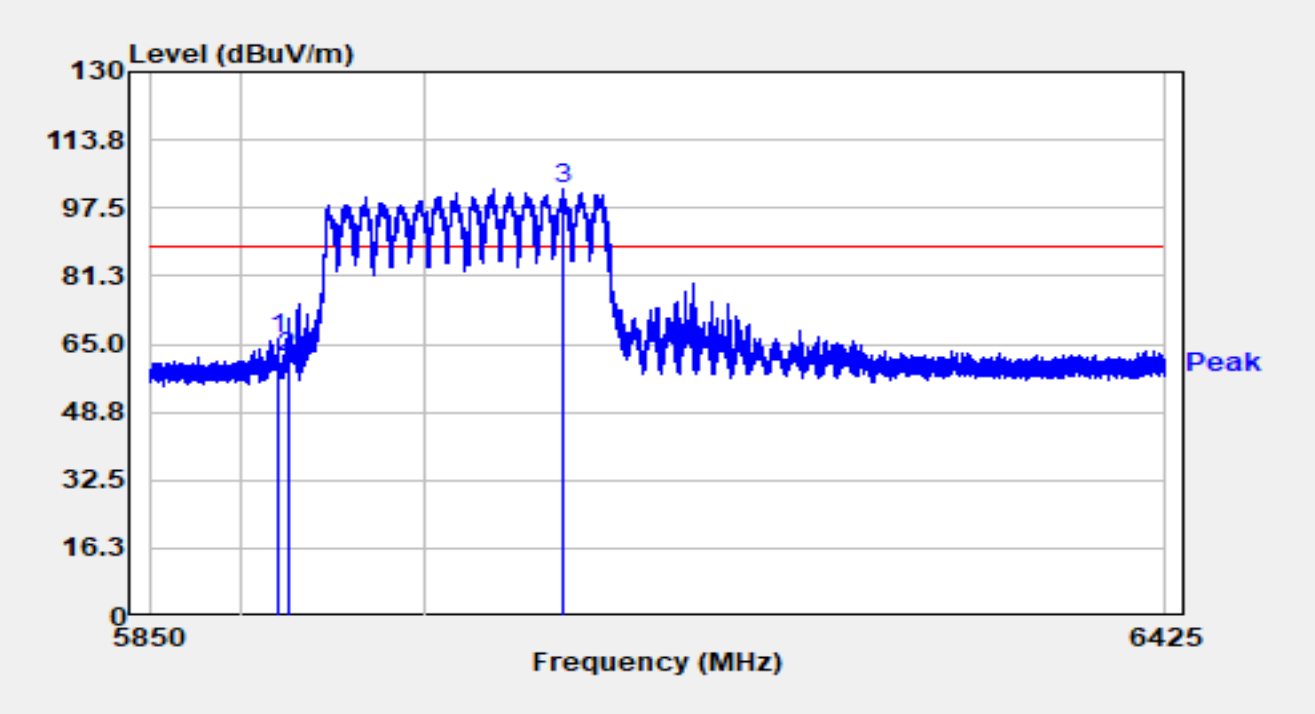
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 6025MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5920.265	70.57	-4.13	66.44	-21.76	88.20	Peak
2		5925.000	66.08	-4.17	61.91	-26.29	88.20	Peak
3		6078.160	106.20	-3.99	102.20	N/A	N/A	Peak

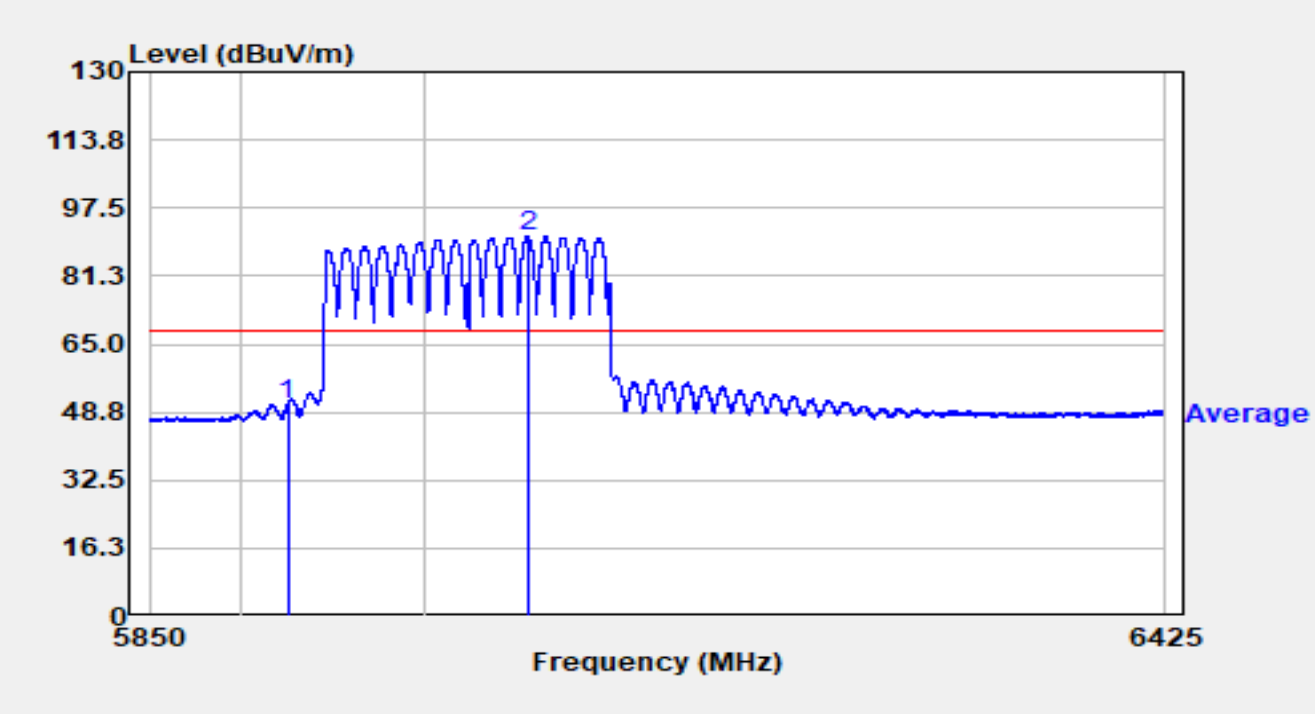
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 6025MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5925.000	54.83	-4.17	50.66	-17.54	68.20	Average
2		6057.575	94.54	-3.90	90.64	N/A	N/A	Average

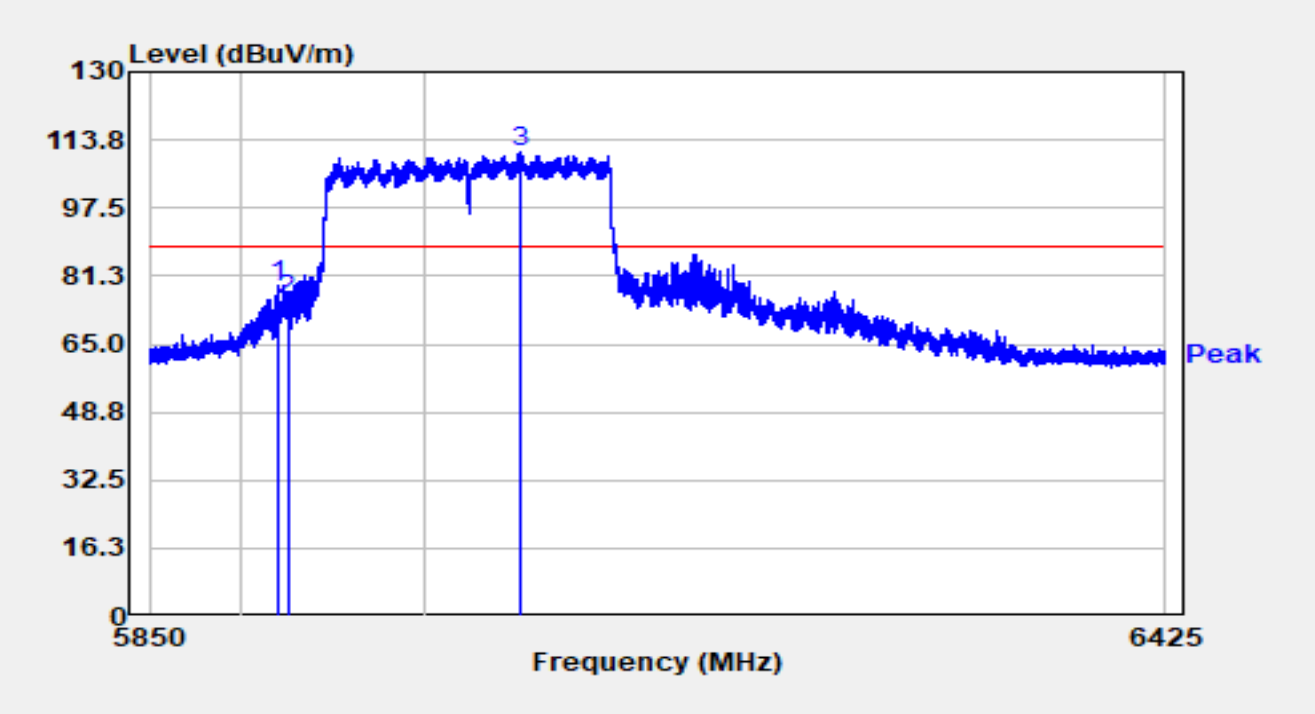
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 6025MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5919.460	83.16	-4.12	79.04	-9.16	88.20	Peak
2		5925.000	79.96	-4.17	75.78	-12.42	88.20	Peak
3		6053.377	114.49	-3.80	110.69	N/A	N/A	Peak

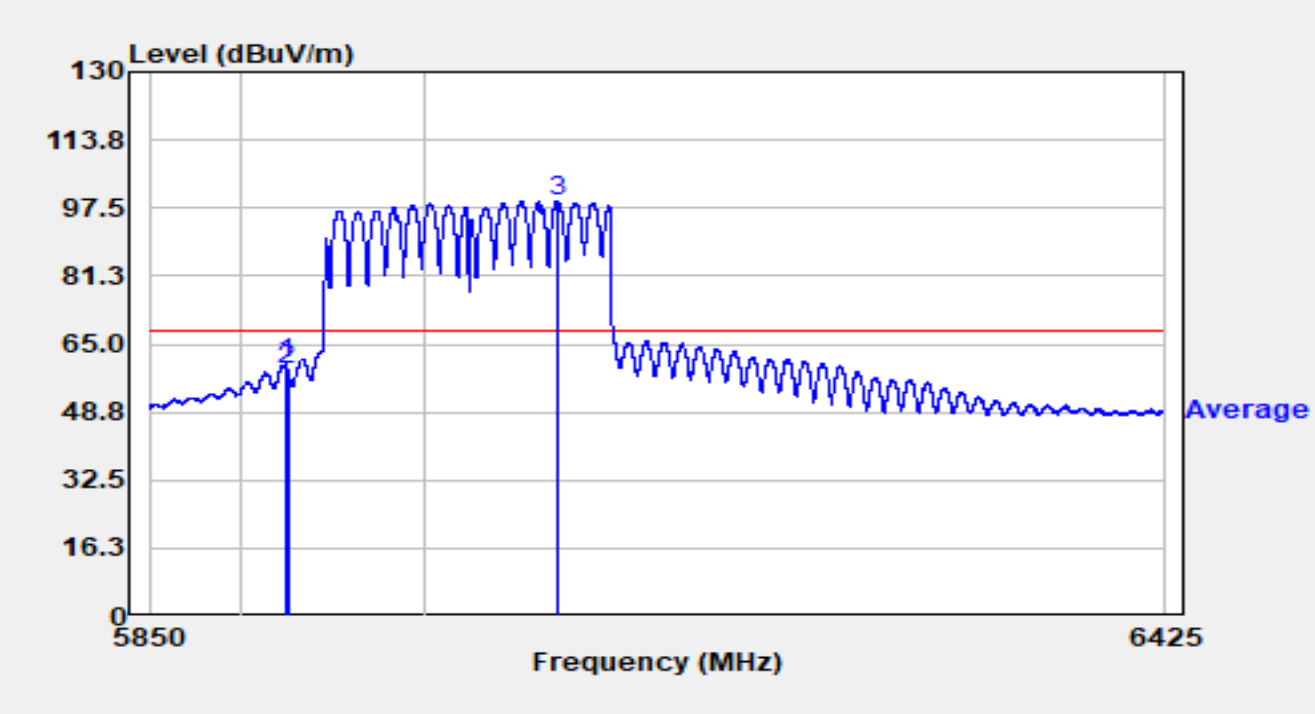
Notes:

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	SIP-AC2	Test Date	2024-12-26
Limit	FCC_6G_RE(3m)	Test Engineer	Mero Zhou
Factor	BBHA 9120D_02042_1-18GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11ax-HE160 at 6025MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1	*	5923.715	64.28	-4.16	60.12	-8.08	68.20	Average
2		5925.000	63.10	-4.17	58.93	-9.27	68.20	Average
3		6074.308	103.14	-4.02	99.11	N/A	N/A	Average

Notes:

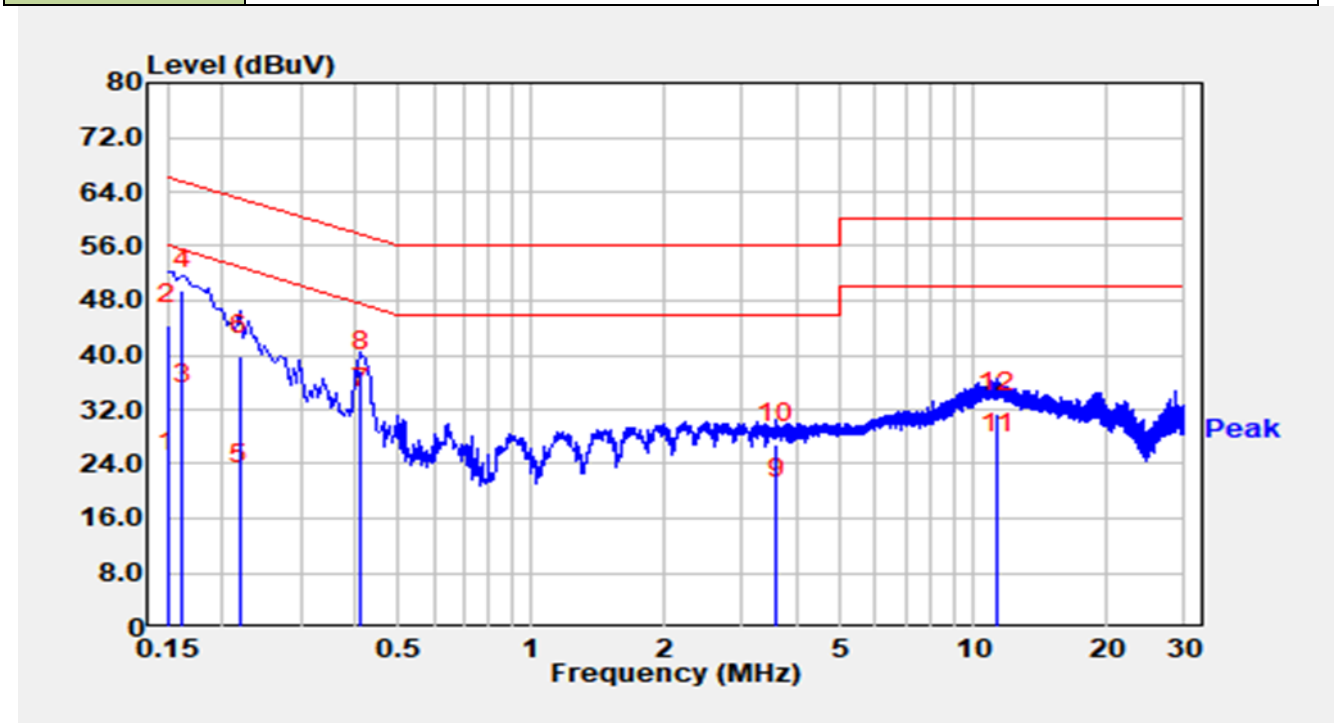
1. " *", means this data is the worst emission level.

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).

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-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB)	Measurement (dBµV)	Margin (dB)	Limit (dBµV)	Detector
1		0.150	13.00	9.82	22.82	-33.18	56.00	Average
2		0.150	34.70	9.82	44.52	-21.48	66.00	QP
3		0.162	23.00	9.82	32.82	-22.54	55.36	Average
4		0.162	39.70	9.82	49.52	-15.84	65.36	QP
5		0.218	11.30	9.82	21.12	-31.77	52.89	Average
6		0.218	30.10	9.82	39.92	-22.97	62.89	QP
7	*	0.410	22.40	9.89	32.29	-15.36	47.65	Average
8		0.410	27.80	9.89	37.69	-19.96	57.65	QP
9		3.580	8.70	10.17	18.87	-27.13	46.00	Average
10		3.580	16.80	10.17	26.97	-29.03	56.00	QP
11		11.350	15.00	10.41	25.41	-24.59	50.00	Average
12		11.350	21.00	10.41	31.41	-28.59	60.00	QP

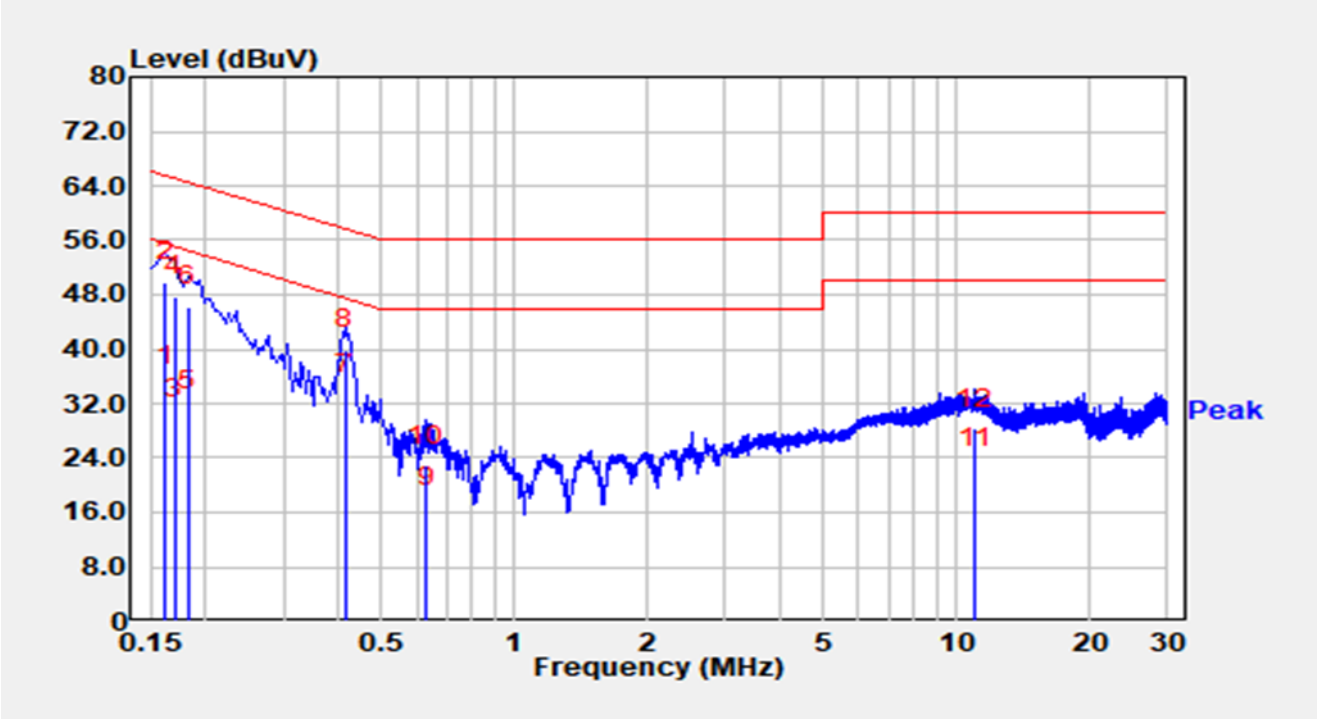
Notes:

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).

Site	WZ-SR2	Test Date	2024-12-22
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-HE80 at 6625MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB)	Measurement (dBµV)	Margin (dB)	Limit (dBµV)	Detector
1		0.162	24.40	10.12	34.52	-20.84	55.36	Average
2		0.162	39.70	10.12	49.82	-15.54	65.36	QP
3		0.170	19.50	10.12	29.62	-25.34	54.96	Average
4		0.170	37.60	10.12	47.72	-17.24	64.96	QP
5		0.182	20.90	10.11	31.01	-23.38	54.39	Average
6		0.182	36.10	10.11	46.21	-18.18	64.39	QP
7	*	0.414	23.20	10.14	33.34	-14.23	47.57	Average
8		0.414	29.80	10.14	39.94	-17.63	57.57	QP
9		0.634	6.60	10.23	16.83	-29.17	46.00	Average
10		0.634	12.70	10.23	22.93	-33.07	56.00	QP
11		11.030	11.90	10.66	22.56	-27.44	50.00	Average
12		11.030	17.70	10.66	28.36	-31.64	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