MEASUREMENT REPORT

FCC ID	:	**Q9DAPIN0755A**
Applicant	:	**Hewlett Packard Enterprise Company**
Application Type	:	**Certification**
Product	:	**ACCESS POINT**
Model No.	:	**APIN0755A**
Brand Name	:	Hewlett Packard Enterprise
FCC Classification	:	**Unlicensed National Information Infrastructure (NII)**
FCC Rule Part(s)	:	**Part15 Subpart E (Section 15.407)**
Received Date	:	**December 9, 2024**
Test Date	:	**December 19, 2024~February 26, 2025**

Tested By : (Kaunaz Lee)

Reviewed By : (Paddy Chen)

Approved By : (Chenz Ker)

Testing Laboratory
3261

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 KDB 789033 D02v02r01. Test results reported herein relate only to the item(s) tested.

Revision History

Report No.	Version	Description	Issue Date	Note
2412TW0107-U4	1.0	Original Report	2025-02-03	

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Description Page

General Information

Applicant	Hewlett Packard Enterprise Company
Applicant Address	6280 America Center Drive, San Jose CA 95002, United States
Manufacturer	Hewlett Packard Enterprise Company
Manufacturer Address	6280 America Center Drive, San Jose CA 95002, United States
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Canada, EU and TELEC Rules.

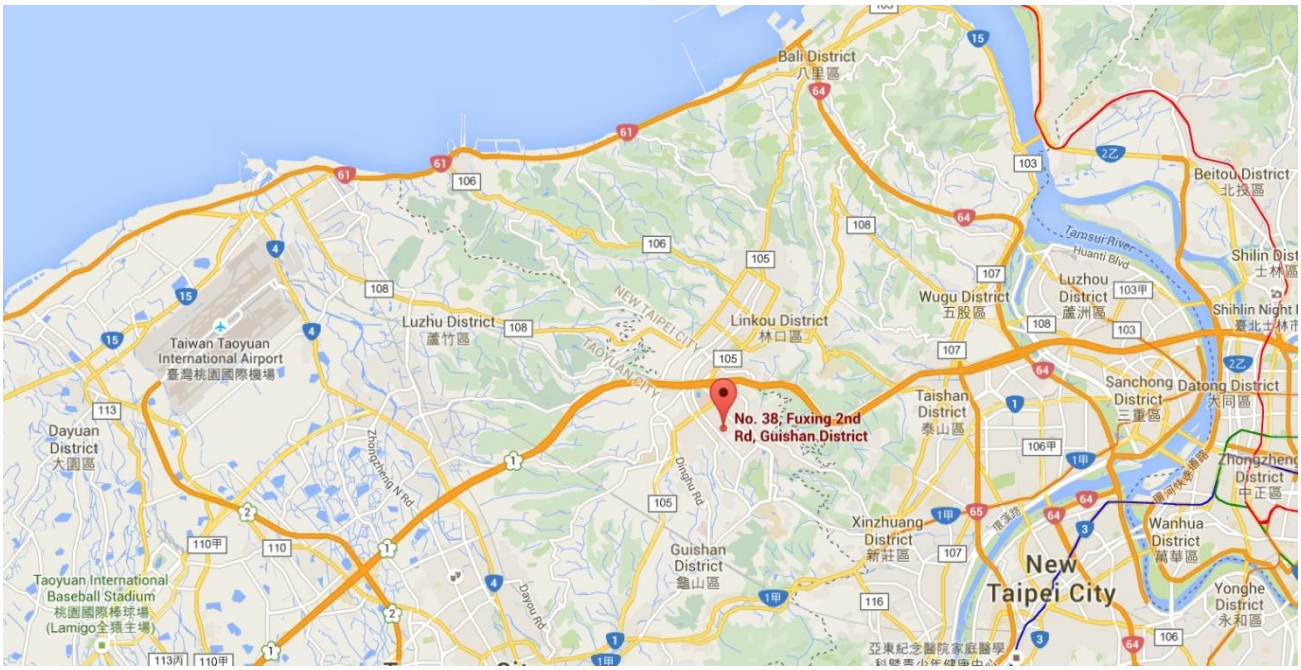
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada and Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. PRODUCT INFORMATION

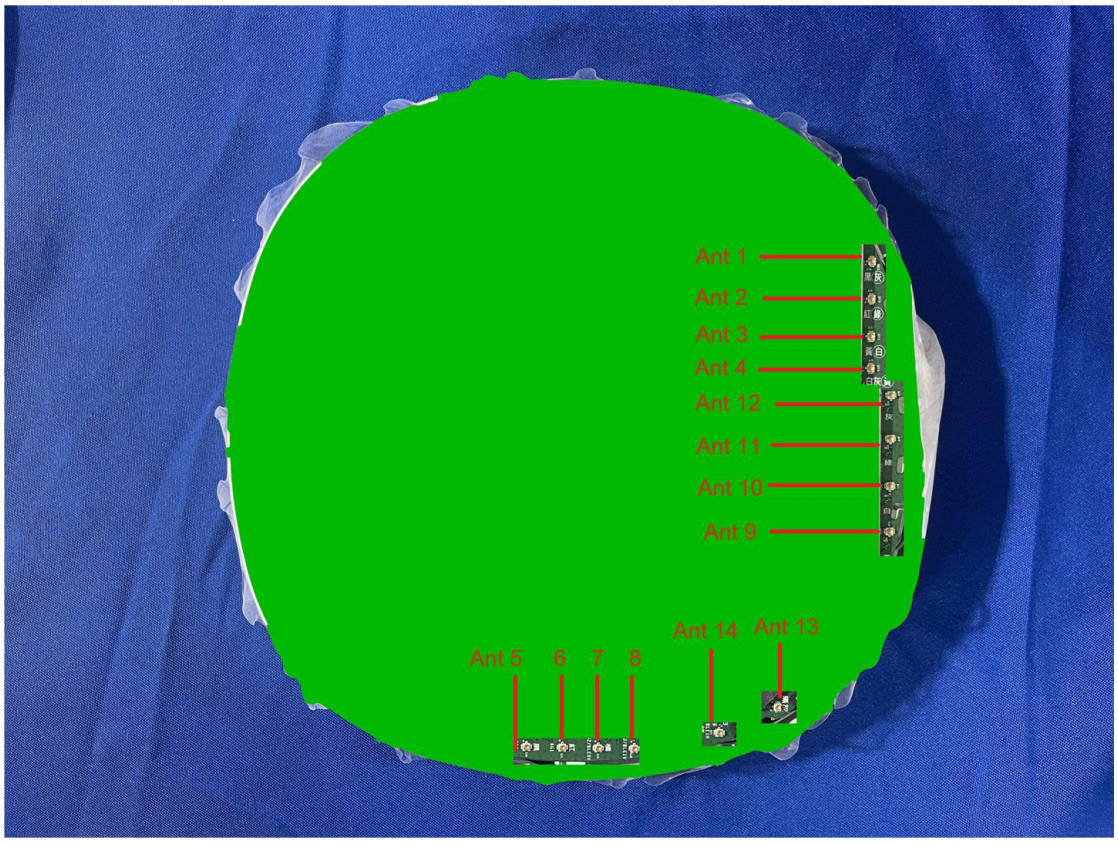
2.1. Equipment Description

Product Name	ACCESS POINT
Model No.	APIN0755A
Serial No.	Radiated Sample: VNSYML300R
	Conducted Sample: VNSYML3008
Software Version	v0.4.6
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Bluetooth Specification	BLE only
ZigBee Specification	802.15.4
GNSS Specification	GPS, Galileo
Power Supply	AC/DC Adapter and PoE Injector 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.	

2.2. Product Specification Subjective to this Report

<table>
<tr><td>Frequency Range:</td><td colspan="3">For 802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20:
5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz
For 802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40:
5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz
For 802.11ac-VHT80/ax-HE80/be-EHT80:
5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz
For 802.11ac-VHT160/ax-HE160/be-EHT160:
5250MHz, 5570MHz</td></tr>
<tr><td>Type of Modulation:</td><td colspan="3">802.11a/n/ac: OFDM
802.11ax/be: OFDMA</td></tr>
<tr><td>Data Rate:</td><td colspan="3">802.11a: 6/9/12/18/24/36/48/54Mbps
802.11n: up to 600Mbps
802.11ac: up to 3464Mbps
802.11ax: up to 4804Mbps
802.11be: up to 5764Mbps</td></tr>
<tr><td rowspan="3">Support RU</td><td rowspan="3">☒ Full RU</td><td rowspan="3">☐ Partial RU</td><td>☐ Single RU</td></tr>
<tr><td>☐ Multi RU</td></tr>
<tr><td>☐ Channel Puncturing</td></tr>
</table>

2.3. Description of Antenna RF Port



Antenna Port	RF Spec.			
	Wi-Fi 2.4G	Wi-Fi 5G	Wi-Fi 6G	BLE/ZigBee
Ant 1	--	● (Radio 1)	--	--
Ant 2	--	● (Radio 1)	--	--
Ant 3	--	● (Radio 1)	--	--
Ant 4	--	● (Radio 1)	--	--
Ant 5	--	--	● (Radio 0)	--
Ant 6	--	--	● (Radio 0)	--
Ant 7	--	--	● (Radio 0)	● (Core 0)
Ant 8	--	--	● (Radio 0)	● (Core 1)
Ant 9	● (Radio 2)	--	--	--
Ant 10	● (Radio 2)	--	--	--
Ant 11	● (Radio 2)	--	--	--
Ant 12	● (Radio 2)	--	--	--
Ant 13	GNSS			
Ant 14	--	--	--	● (Core 1)

2.4. Antenna Details

Antenna Type	Wi-Fi Antenna	Frequency Band (GHz)	TX Paths	Directional Gain (dBi)	
				Uncorrelated	Correlated
PIFA	Ant 1	5.15 ~ 5.9	4	3.60	9.50
PIFA	Ant 2				
Alford Loop	Ant 3				
Alford Loop	Ant 4				

Note:

1. The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
2. The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax/be, not include 802.11a/b/g.
3. For beamforming operation, Aruba OS automatically backs power down based on CDD power.
4. The detail calculation method of directional gain refers to antenna specification provided by the applicant.

2.5. Working Frequencies for this report

802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20

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/be-EHT40

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/be-EHT80

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

802.11ac-VHT160/ax-HE160/be-EHT160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250MHz	114	5570 MHz	--	--

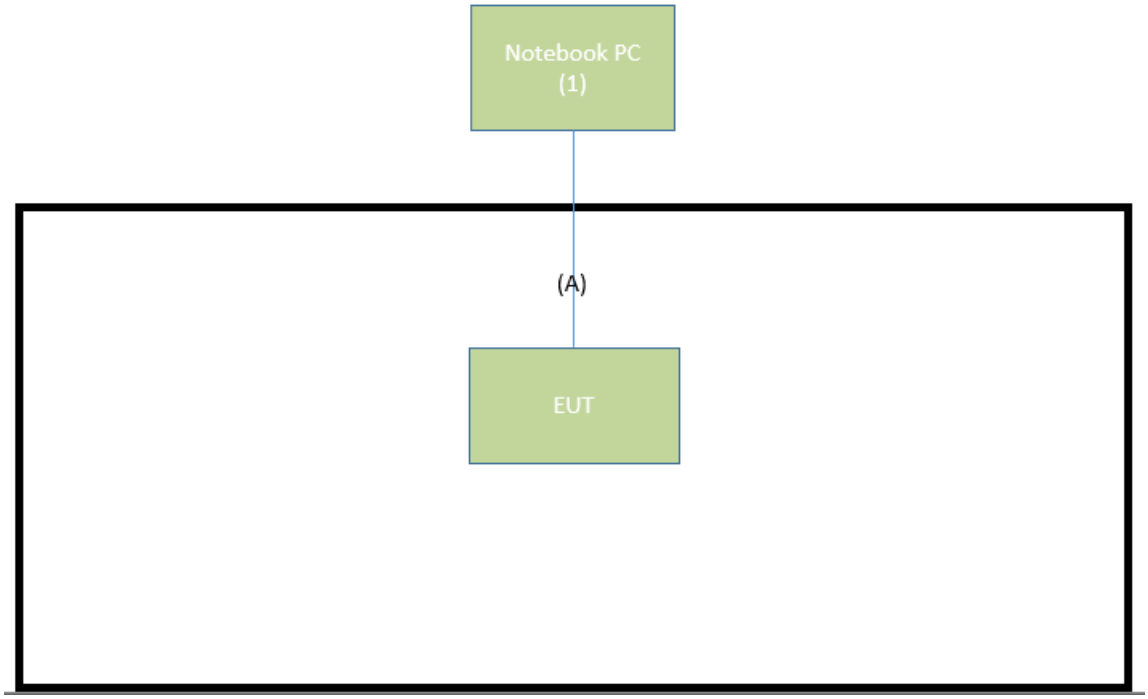
2.6. Test Mode

Mode 1: Transmit by 802.11a_Nss=1 (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 802.11ac-VHT160_Nss=1 (MCS0)
Mode 6: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 7: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 8: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Mode 9: Transmit by 802.11ax-HE160_Nss=1 (MCS0)
Mode 10: Transmit by 802.11be-EHT20_N_{SS}=1 (MCS0)
Mode 11: Transmit by 802.11be-EHT40_N_{SS}=1 (MCS0)
Mode 12: Transmit by 802.11be-EHT80_N_{SS}=1 (MCS0)
Mode 13: Transmit by 802.11be-EHT160_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. 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 4 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.

2.7. Configuration of Test System

The devicewas tested per the guidance ANSI C63.10: 2013was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram



Signal Cable Type		Signal Cable Description
A	Lan Cable	Non-Shielded, 3.0m

2.8. Test System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	V14 G3 ABA	N/A	Non-shielded, 0.8m

2.9. Description of Test Software

The test utility software used during testing was “accessMTool”, and the version was 3.3.0.6.
Note: Final power setting please refer to operational description.

2.10. 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

2.11. Test Configuration

The devicewas tested per the guidance of KDB 789033 D02v02r01.ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testingand AC line conducted testing.

2.12. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.13. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphletsupplied to the user and be readily visible to the purchaser at the time of purchase. However, when the deviceis so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label andlabel location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard ofProcedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 789033 D02v02r01 were used in themeasurement.

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.
The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.
Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.
An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remotecontrolled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An80cm high PVC support structure is placed on top of the turntable.
For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated tomaximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.
Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. 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 theresponsible party can be used with the device. The use of a permanently attached antenna or of an antennathat uses a unique coupling to the intentional radiator shall be considered sufficient to comply with theprovisions of this section.”

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

Conclusion:

The unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Radiated Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Acitve Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2025/5/7
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2025/11/5
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2025/2/28
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2025/2/28
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2025/3/26
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2025/3/21
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2025/3/5
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2025/3/14

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2025/9/24
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2025/8/12
USB Wideband Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2025/4/16

Software	Manufacturer	Version No.
e3	Audix	9.160520a

6. 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
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: ± 2.53dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: ± 4.25dB 1GHz ~ 40GHz: ± 4.45dB
Conducted Power (Carrier Power / Power Density)
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 0.84dB
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):± 2.65 dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 3.3%
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±0.82°C/ ±3%
Frequency Error
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±78.4Hz

7. TEST RESULT

7.1. Summary

Product Name: **ACCESS POINT**
Reference Device: **Q9DAPIN0755**
Variant Device: **Q9DAPIN0755A**
Key differences: **Part substitution for 5G and 6G passive filter**

FCC Section(s)	Test Description	Test Limit	Test Condition	Data Referencing	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Y	Pass	Section7.2
15.407(e)	6dB Bandwidth	≥ 500kHz		Y	Pass	Section 7.3
15.407(a)(1)(ii), (2), (3)	Maximum Conducted Output Power	Refer to section 7.4		Y	Pass	Pointer to spot-check exhibit / Section 7.4
15.407(h)(1)	Transmit Power Control	≤ 24 dBm		Y	Pass	Section 7.5
15.407(a)(1)(ii), (2), (3), (12)	Peak Power Spectral Density	Refer to section 7.6		Y	Pass	Pointer to spot-check exhibit / Section 7.6
15.407(g)	Frequency Stability	N/A		Y	Pass	Section 7.7
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	Refer to Section 7.8	Radiated	Y	Pass	Pointer to spot-check exhibit / Section 7.8 & 7.9
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restrictedbands must meet theradiated limits detailed in15.209		Y	Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Y	Pass	Section 7.10

Notes:

1) Determining compliance is based on the test results met the regulation limits or requirements declared by clients, and the test results don't take into account the value of measurement uncertainty.
2) 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 ofthe system to connect the EUT to the analyzer at all frequencies of interest.
3) Output power test was verified over all data rates of each mode (data refers to operational description), and then choose the maximum power output (low data rate) for final test of each channel.
4) For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
5) EUT supports one configuration only in 802.11ax full RU mode, i.e. 242 tone in 11ax-HE20, 484 tone in 11ax-HE40, 996 tone in 11ax-HE80 and 2 x 996 tone in 11ax-HE160.

6) The power was fully tested, and its measured data is lower than the original report. Then spot checks were performed on the worst-case test mode based on the original report 2403RSU068-U4.

7.2. 26dB Bandwidth Measurement

7.2.1.Test Limit

N/A

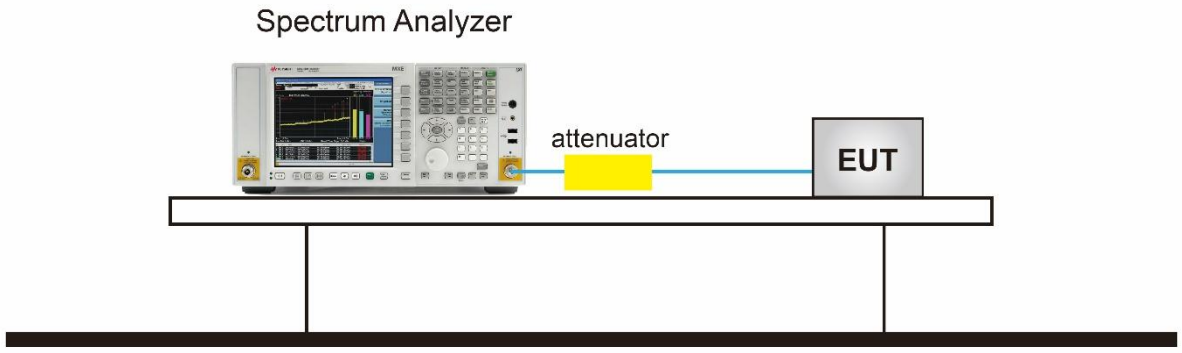
7.2.2.Test Procedure used

K DB 789033 D02v02r01- Section II)C.1) (26dB Bandwidth)
KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

7.2.3.Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 26. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3. VBW ≥ 3×RBW.
4. Detector = Peak.
5. Trace mode = max hold.

7.2.4.Test Setup



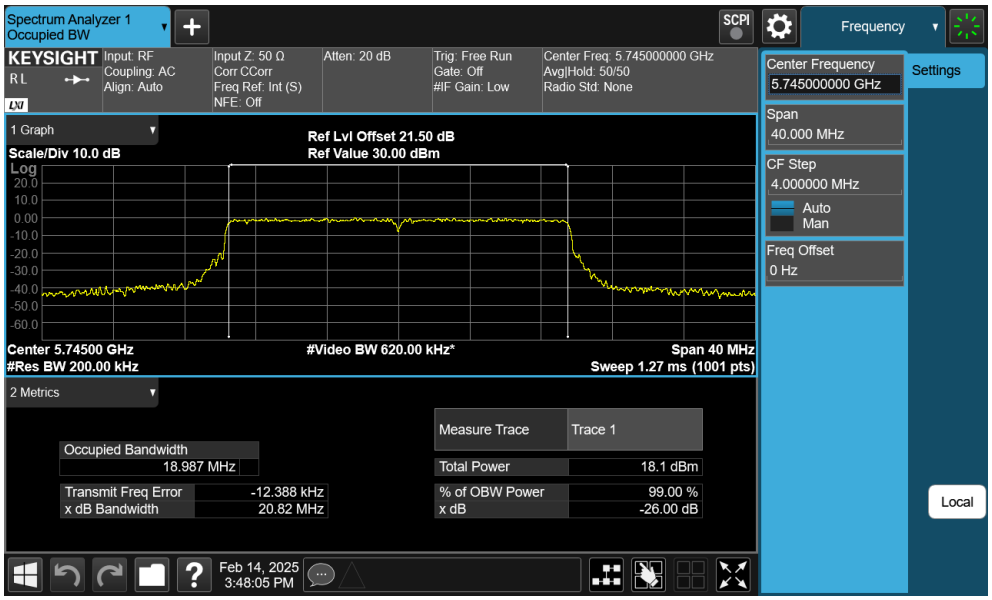
7.2.5.Test Result

Product	ACCESS POINT	Temperature	23°C
Test Engineer	AC2 / Stanley	Relative Humidity	56%
Filter Path	5GPB	Test Date	2025/2/15

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11ax-HE20	MCS0	149	5745	20.82	18.987

802.11ax 26dB Bandwidth & 99% Bandwidth

Channel 149 (5745MHz)

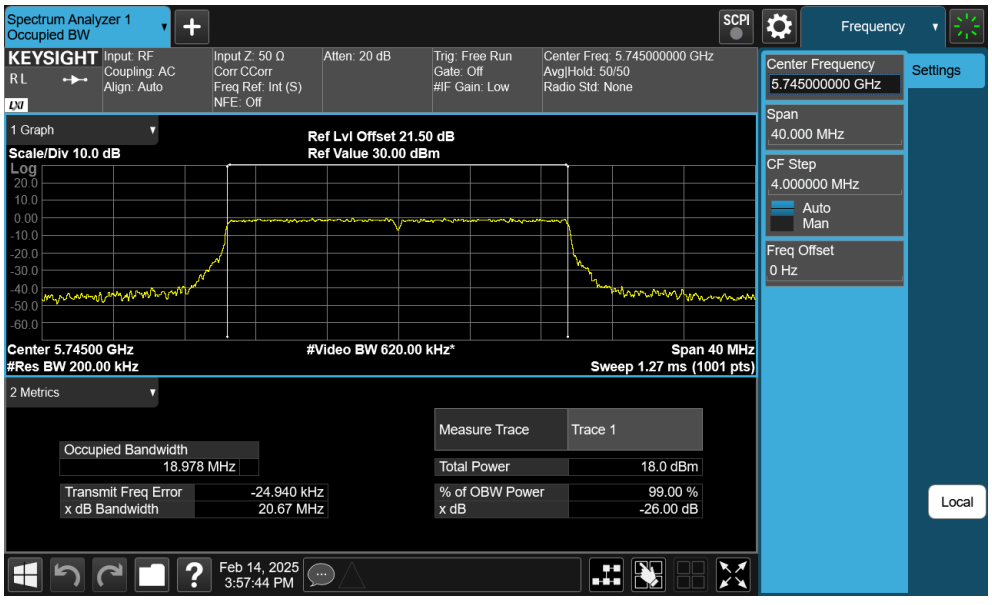


Product	ACCESS POINT	Temperature	23°C
Test Engineer	AC2 / Stanley	Relative Humidity	56%
Filter Path	5GHB	Test Date	2025/2/15

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11ax-HE20	MCS0	149	5745	20.67	18.978

802.11ax 26dB Bandwidth & 99% Bandwidth

Channel 149 (5745MHz)



7.3. 6dB Bandwidth Measurement

7.3.1.Test Limit

The minimum 6dBbandwidth shall be at least 500 kHz.

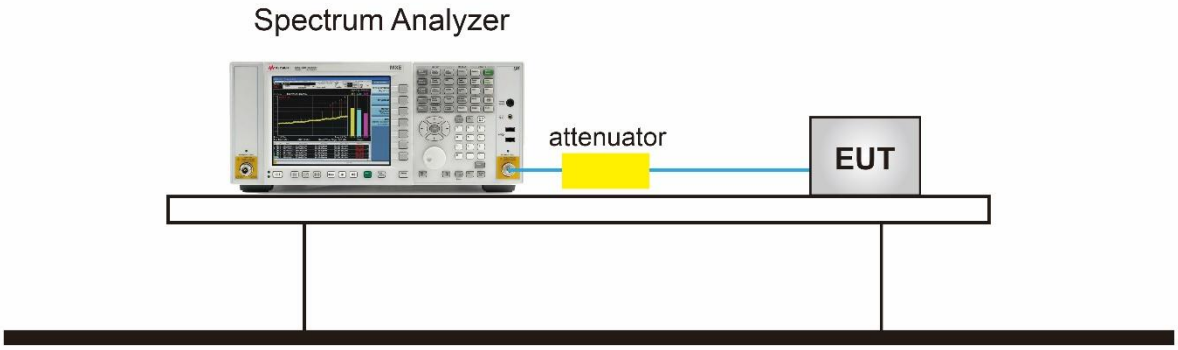
7.3.2.Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3.Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW 3 × 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.

7.3.4.Test Setup



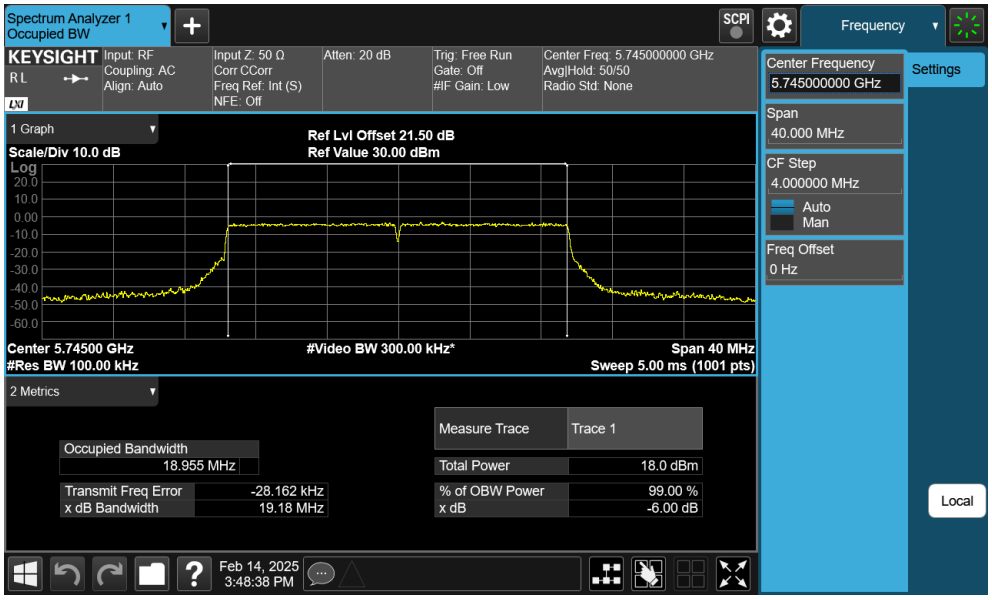
7.3.5.TestResult

Product	ACCESS POINT	Temperature	23°C
Test Engineer	AC2 / Stanley	Relative Humidity	56%
Filter Path	5GPB	Test Date	2025/2/15

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11ax-HE20	MCS0	149	5745	19.18	18.955

802.11ax 6dB Bandwidth & 99% Bandwidth

Channel 149 (5745MHz)

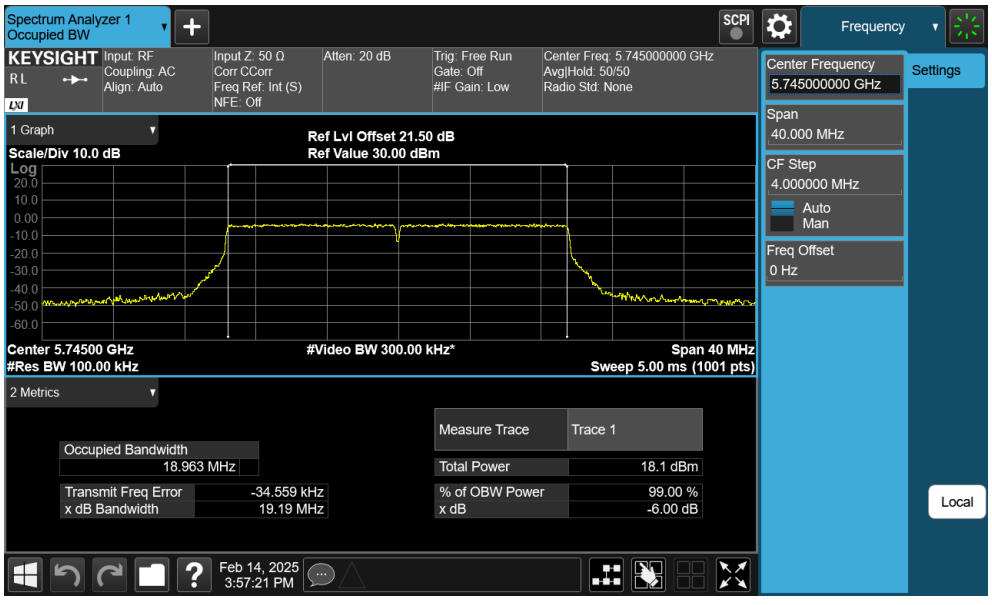


Product	ACCESS POINT	Temperature	23°C
Test Engineer	AC2 / Stanley	Relative Humidity	56%
Filter Path	5GHB	Test Date	2025/2/15

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 0					
802.11ax-HE20	MCS0	149	5745	19.19	18.963

802.11ax 6dB Bandwidth & 99% Bandwidth

Channel 149 (5745MHz)



7.4. Output Power Measurement

7.4.1.Test Limit

For the band 5.15-5.25 GHz, the maximum conductedoutput power over the frequency band of operation shall not exceed 1 W provided the maximumantenna gain does not exceed 6 dBi.

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

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

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

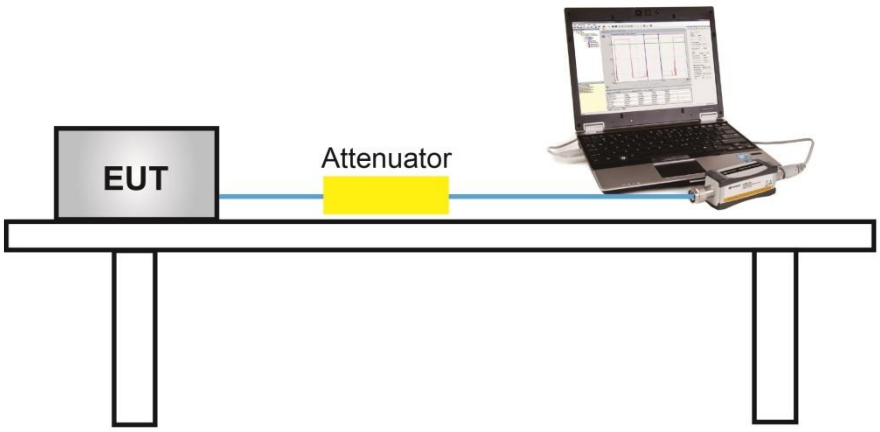
7.4.2.Test Procedure Used

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

7.4.3.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.

7.4.4.Test Setup



7.4.5.Test Result

Product	ACCESS POINT	Temperature	22°C
Test Engineer	SR6 / Fran	Relative Humidity	56%
Filter Path	5GPB	Test Date	2024/12/19 ~ 2024/12/20

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 1	Ant 2	Ant 3	Ant 4			
11a	6Mbps	36	5180	17.84	18.02	17.59	17.06	23.66	≤ 30.00	Pass
11a	6Mbps	44	5220	18.19	17.85	17.72	17.53	23.85	≤ 30.00	Pass
11a	6Mbps	48	5240	17.97	18.00	17.49	17.01	23.66	≤ 30.00	Pass
11a	6Mbps	52	5260	12.92	12.65	12.77	13.33	18.95	≤ 23.98	Pass
11a	6Mbps	60	5300	13.09	12.94	13.00	12.80	18.98	≤ 23.98	Pass
11a	6Mbps	64	5320	12.80	12.54	12.86	13.00	18.82	≤ 23.98	Pass
11a	6Mbps	100	5500	13.04	12.78	13.01	13.08	19.00	≤ 23.98	Pass
11a	6Mbps	116	5580	13.32	12.94	13.05	13.05	19.11	≤ 23.98	Pass
11a	6Mbps	140	5700	13.00	12.95	13.27	12.91	19.06	≤ 23.98	Pass
11a	6Mbps	144	5720	13.25	12.82	12.55	11.74	18.64	≤ 22.97	Pass
11a	6Mbps	149	5745	17.69	17.72	17.31	17.72	23.63	≤ 30.00	Pass
11a	6Mbps	157	5785	17.90	18.10	18.05	17.67	23.95	≤ 30.00	Pass
11a	6Mbps	165	5825	17.65	18.36	18.03	17.62	23.95	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	18.19	18.21	17.57	17.49	23.90	≤ 30.00	Pass
11ac-VHT20	MCS0	44	5220	18.09	18.22	17.56	17.06	23.78	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	17.86	18.15	17.22	17.18	23.64	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	12.91	13.11	13.43	13.32	19.22	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	13.02	13.05	13.58	13.09	19.21	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	12.80	12.89	12.94	12.77	18.87	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	13.49	13.58	13.40	13.07	19.41	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	13.23	13.12	13.52	12.99	19.24	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	12.73	13.08	13.15	12.80	18.96	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	13.17	12.97	12.62	12.44	18.83	≤ 22.98	Pass
11ac-VHT20	MCS0	149	5745	18.00	17.55	18.14	17.43	23.81	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	17.72	18.10	17.61	17.81	23.83	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	17.94	17.91	17.99	17.84	23.94	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 1	Ant 2	Ant 3	Ant 4			
11ac-VHT40	MCS0	38	5190	17.32	17.64	17.80	17.36	23.56	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	17.86	17.70	17.97	17.48	23.78	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	15.92	15.96	15.48	15.66	21.78	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	15.44	15.71	16.03	16.01	21.82	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	14.52	14.83	14.77	15.24	20.87	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	16.10	16.09	16.32	16.27	22.22	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	15.86	15.66	15.81	15.26	21.67	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	15.42	15.30	15.83	14.73	21.36	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	18.21	18.23	18.05	17.83	24.10	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	18.01	17.66	18.42	18.10	24.08	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	16.06	16.79	16.72	16.15	22.46	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	16.81	16.34	16.45	16.54	22.56	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	15.45	15.18	15.48	14.84	21.27	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	17.07	17.09	17.38	17.40	23.26	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	17.37	17.11	16.98	17.20	23.19	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	18.12	17.94	17.71	18.08	23.99	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	15.72	15.09	15.33	15.29	21.38	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	15.29	14.91	15.25	15.06	21.15	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	18.06	18.11	17.70	17.91	23.97	≤ 30.00	Pass
11ax-HE20	MCS0	44	5220	18.20	17.86	17.70	17.34	23.81	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	18.01	17.56	16.92	17.23	23.47	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	13.72	12.86	13.35	13.12	19.29	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	13.27	12.83	13.17	13.02	19.10	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	12.87	12.90	13.27	13.24	19.09	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	13.49	13.13	13.18	13.32	19.30	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	12.99	13.15	13.47	13.99	19.44	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	13.19	12.98	13.71	13.53	19.38	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	13.33	12.98	12.97	13.31	19.17	≤ 22.91	Pass
11ax-HE20	MCS0	149	5745	18.14	17.84	18.38	18.16	24.15	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	17.39	17.98	17.29	17.74	23.63	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	18.24	17.97	17.83	18.22	24.09	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 1	Ant 2	Ant 3	Ant 4			
11ax-HE40	MCS0	38	5190	16.51	16.85	16.82	16.86	22.78	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	17.73	17.29	17.59	18.37	23.78	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	15.99	15.76	15.75	15.91	21.87	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	16.08	16.21	16.21	15.69	22.07	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	14.30	14.69	15.07	14.73	20.73	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	16.01	16.16	16.08	16.11	22.11	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	15.87	16.03	16.26	15.84	22.02	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	15.98	16.20	15.79	15.91	21.99	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	18.09	17.98	18.09	18.18	24.11	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	17.86	18.26	17.87	18.15	24.06	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	16.39	16.72	16.61	16.23	22.51	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	17.08	17.26	17.55	17.09	23.27	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	15.51	15.79	16.04	15.35	21.70	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	17.05	17.15	16.84	17.03	23.04	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	17.49	16.98	17.11	17.00	23.17	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	17.95	17.88	17.87	18.24	24.01	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	15.64	16.54	16.36	15.40	22.03	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	17.07	16.85	16.78	17.32	23.03	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	18.07	17.80	17.36	17.28	23.66	≤ 30.00	Pass
11be-EHT20	MCS0	44	5220	18.40	18.57	17.64	17.21	24.01	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	18.26	17.42	17.07	17.16	23.52	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	13.28	13.30	13.76	13.52	19.49	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	12.71	12.96	13.03	12.75	18.89	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	12.95	13.17	12.97	13.26	19.11	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	13.76	13.50	13.50	13.48	19.58	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	13.41	12.88	13.50	13.54	19.36	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	13.15	13.09	13.75	13.00	19.28	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	12.76	13.04	13.77	13.24	19.24	≤ 22.91	Pass
11be-EHT20	MCS0	149	5745	17.94	18.01	17.87	18.16	24.02	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	17.89	17.73	17.51	17.87	23.77	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	18.00	17.86	17.90	17.84	23.92	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 1	Ant 2	Ant 3	Ant 4			
11be-EHT40	MCS0	38	5190	16.96	16.95	16.90	16.94	22.96	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	18.09	17.55	18.07	17.93	23.94	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	16.32	15.88	16.20	16.13	22.16	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	15.56	15.75	16.11	15.34	21.72	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	14.63	14.53	14.90	14.65	20.70	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	16.49	17.01	16.82	16.80	22.80	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	16.89	17.16	16.88	16.68	22.93	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	16.35	15.88	16.16	16.06	22.14	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	17.87	18.22	17.91	18.21	24.08	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	17.98	17.87	17.97	18.02	23.98	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	15.91	16.45	16.05	15.78	22.08	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	16.58	16.58	16.11	15.86	22.31	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	14.66	14.53	14.74	14.34	20.59	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	17.10	17.05	17.19	17.01	23.11	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	16.94	17.10	16.89	17.14	23.04	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	18.13	18.09	17.76	17.95	24.01	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	15.74	16.11	15.92	15.35	21.81	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	16.33	16.27	15.89	16.06	22.16	≤ 23.98	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 1 Average Power }/10)} + 10^{(\text{Ant 2 Average Power }/10)} + 10^{(\text{Ant 3 Average Power }/10)} + 10^{(\text{Ant 4 Average Power }/10)}\}$.

Note 2: Average Power Limit = 23.98dBm or 11+10*log10EBW2C 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.

Note 4: This is a straddle channel that spans bands NII-1 and NII-2A, the total power of the channel complies with the limit of NII-2A which is the more stringent limit of NII-1 and NII-2A.

Product	ACCESS POINT	Temperature	22°C
Test Engineer	SR6 / Fran	Relative Humidity	56%
Filter Path	5GHB	Test Date	2025/2/11 ~ 2025/2/14

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 1	Ant 2	Ant 3	Ant 4			
11a	6Mbps	149	5745	17.81	17.69	17.44	17.80	23.71	≤ 30.00	Pass
11a	6Mbps	157	5785	18.10	18.11	18.12	17.77	24.05	≤ 30.00	Pass
11a	6Mbps	165	5825	17.82	18.34	18.13	17.71	24.03	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	18.12	17.48	18.25	17.59	23.89	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	17.84	18.01	17.63	17.97	23.89	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	18.07	17.93	17.97	17.98	24.01	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	18.03	18.17	18.03	17.66	24.00	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	17.94	17.55	18.33	17.93	23.97	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	18.25	18.03	17.88	18.10	24.09	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	18.22	17.78	18.44	18.32	24.22	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	17.53	17.91	17.33	17.88	23.69	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	18.34	17.87	17.89	18.33	24.13	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	17.99	17.88	18.03	17.98	23.99	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	17.88	18.03	17.81	17.95	23.94	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	18.12	17.83	17.92	18.50	24.12	≤ 30.00	Pass
11be-EHT20	MCS0	149	5745	18.12	17.98	17.90	18.32	24.10	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	17.94	17.77	17.60	18.00	23.85	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	18.17	17.88	18.00	17.96	24.02	≤ 30.00	Pass
11be-EHT40	MCS0	151	5755	17.76	18.13	17.99	18.03	24.00	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	17.82	17.79	18.02	17.89	23.90	≤ 30.00	Pass
11be-EHT80	MCS0	155	5775	18.33	18.05	17.88	18.12	24.12	≤ 30.00	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 1 Average Power }/10)} + 10^{(\text{Ant 2 Average Power }/10)} + 10^{(\text{Ant 3 Average Power }/10)} + 10^{(\text{Ant 4 Average Power }/10)}\}$.

Note 2: 5GHB only supports UNII-3.

7.5. Transmit Power Control

7.5.1.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.

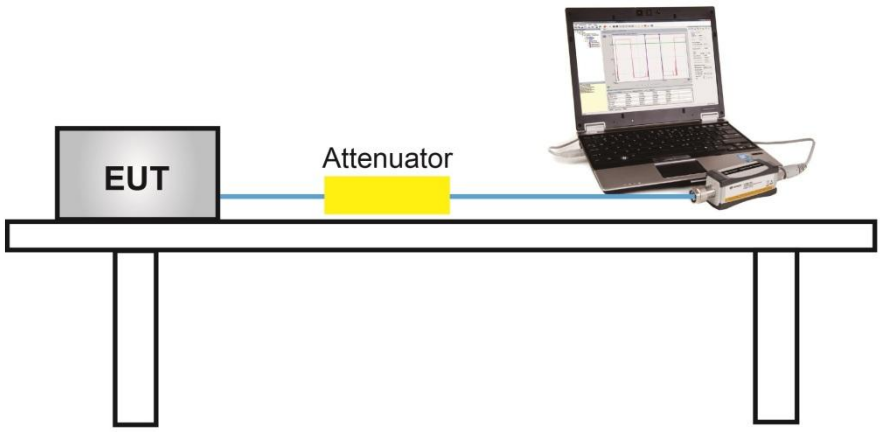
7.5.2.Test Procedure Used

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

7.5.3.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.

7.5.4.Test Setup



7.5.5.Test Result

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

7.6. Power Spectral Density Measurement

7.6.1.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 theantenna exceeds 6dBi.

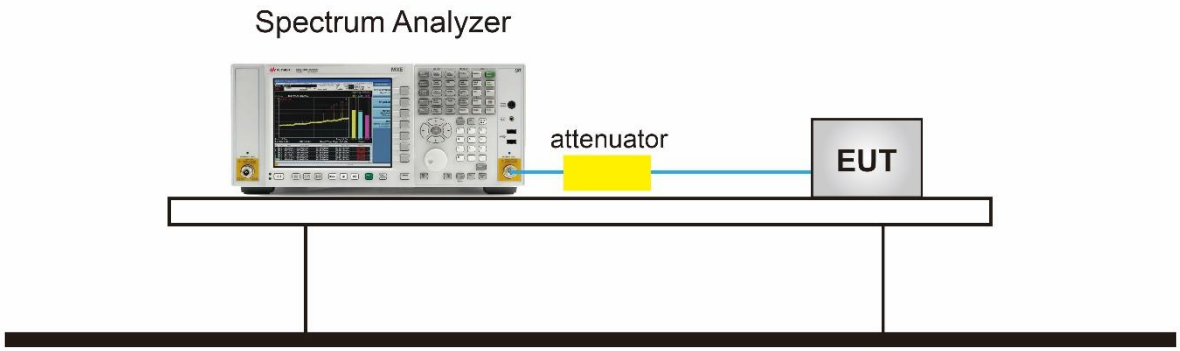
7.6.2.Test Procedure Used

KDB 789033 D02v02r01-SectionF

7.6.3.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, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 510 kHz
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. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. 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.

7.6.4.Test Setup



7.6.5.Test Result

Product	ACCESS POINT	Test Engineer	Fran
Test Site	SR6	Test Date	2024/12/20
Test Item	Power Spectral Density (U-NII-3) CDD Mode_5GPB		

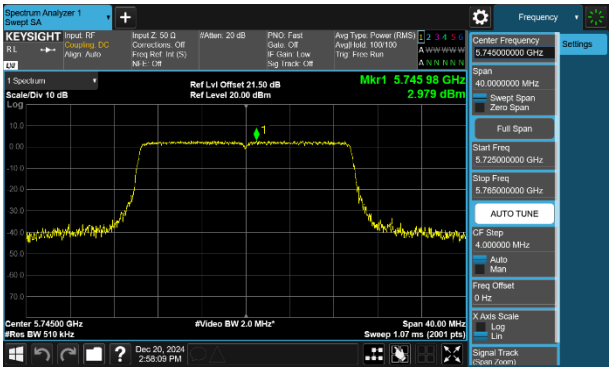
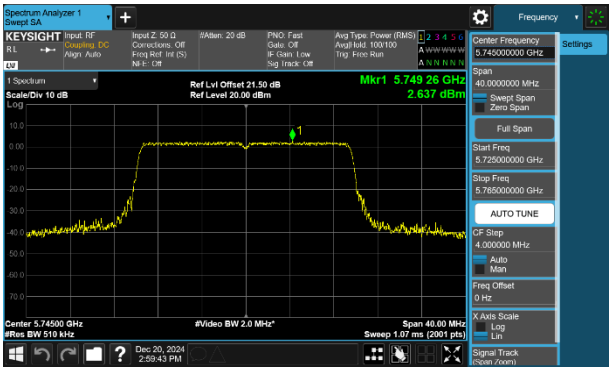
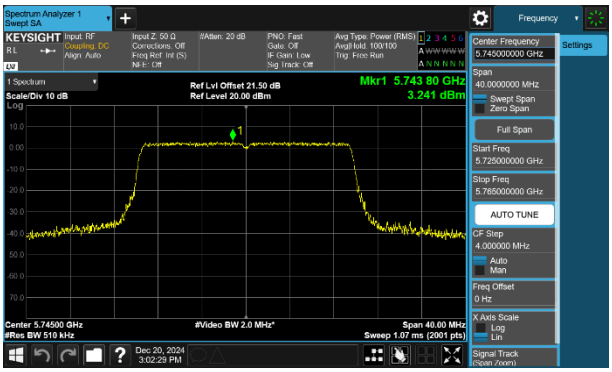
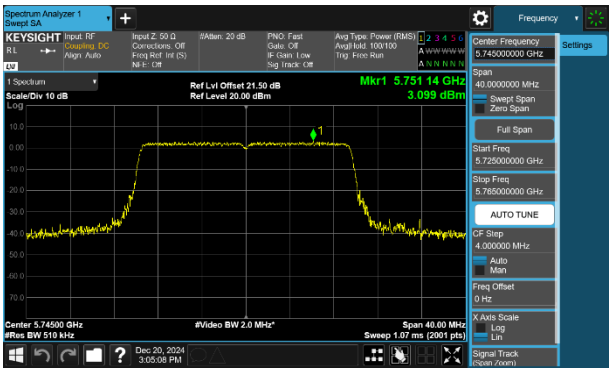
Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	AVGPSD (dBm / 510KHz)				Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
				Ant 1	Ant 2	Ant 3	Ant 4				
11ax-HE20	MCS0	149	5745	2.979	2.637	3.241	3.099	98.37%	9.087	≤ 26.50	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$+$10^{(\text{Ant 2 PSD}/10)}$ + $10^{(\text{Ant 3 PSD}/10)}$} (dBm/510kHz).

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$+$10^{(\text{Ant 2 PSD}/10)}$ + $10^{(\text{Ant 3 PSD}/10)}$} (dBm/510kHz) + 10*log (1/Duty Cycle).

Note 2: PSD Limit (dBm/510KHz) = 30 – (Directional Gain for PSD - 6) = 30 – (9.5-6) =26.5 (dBm/510KHz)

802.11ax-HE20 - AVGPSD	
Channel 149 (5745MHz) – Ant 1	Channel 149 (5745MHz) – Ant 2
	
Channel 149 (5745MHz) – Ant 3	Channel 149 (5745MHz) – Ant 4
	

Product	ACCESS POINT	Test Engineer	Fran
Test Site	SR6	Test Date	2025/2/14
Test Item	Power Spectral Density (U-NII-3) CDD Mode_5GHB		

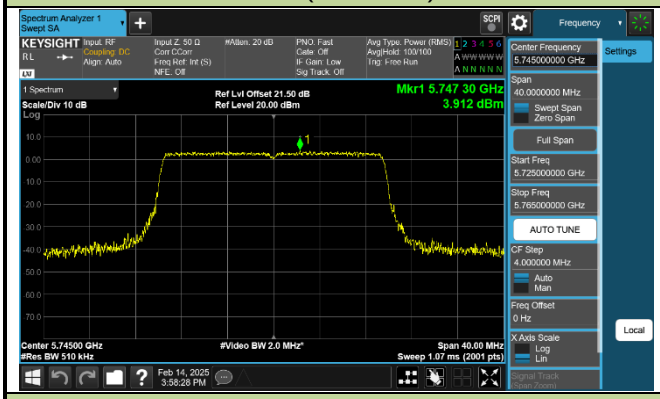
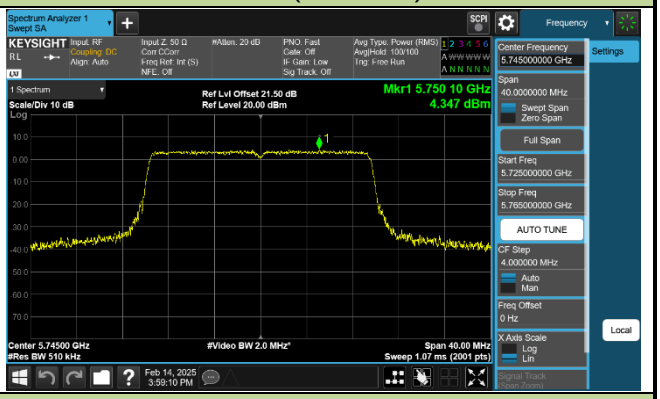
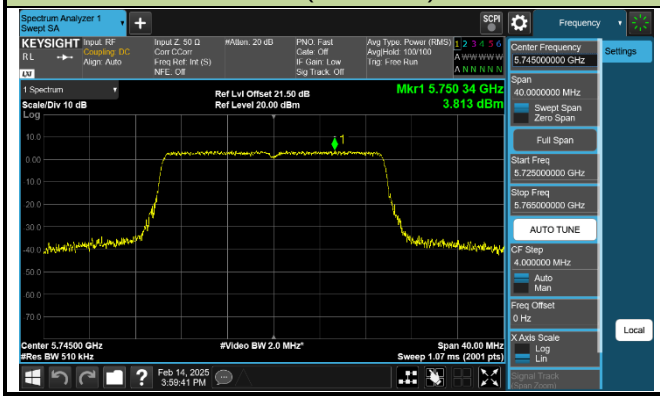
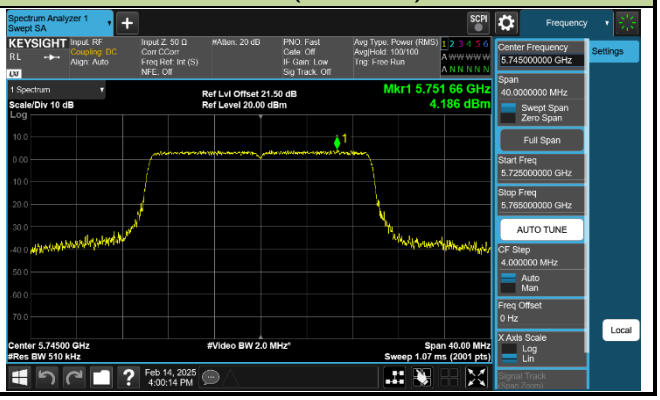
Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	AVGPSD (dBm / 510KHz)				Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
				Ant 1	Ant 2	Ant 3	Ant 4				
11ax-HE20	MCS0	149	5745	3.912	4.347	3.813	4.186	98.37%	10.162	≤ 26.50	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD/10})}$ + $10^{(\text{Ant 1 PSD/10})}$+$10^{(\text{Ant 2 PSD/10})}$ + $10^{(\text{Ant 3 PSD/10})}$} (dBm/510kHz).

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD/10})}$ + $10^{(\text{Ant 1 PSD/10})}$+$10^{(\text{Ant 2 PSD/10})}$ + $10^{(\text{Ant 3 PSD/10})}$} (dBm/510kHz) + 10*log (1/Duty Cycle).

Note 2: PSD Limit (dBm/510KHz) = 30 – (Directional Gain for PSD - 6) = 30 – (9.5-6) =26.5 (dBm/510KHz)

802.11ax-HE20 - AVGPSD	
Channel 149 (5745MHz) – Ant 1	Channel 149 (5745MHz) – Ant 2
	
Channel 149 (5745MHz) – Ant 3	Channel 149 (5745MHz) – Ant 4
	

7.7. Frequency Stability Measurement

7.7.1.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.

7.7.2.Test Limit

Frequency Stability Under Temperature Variations:

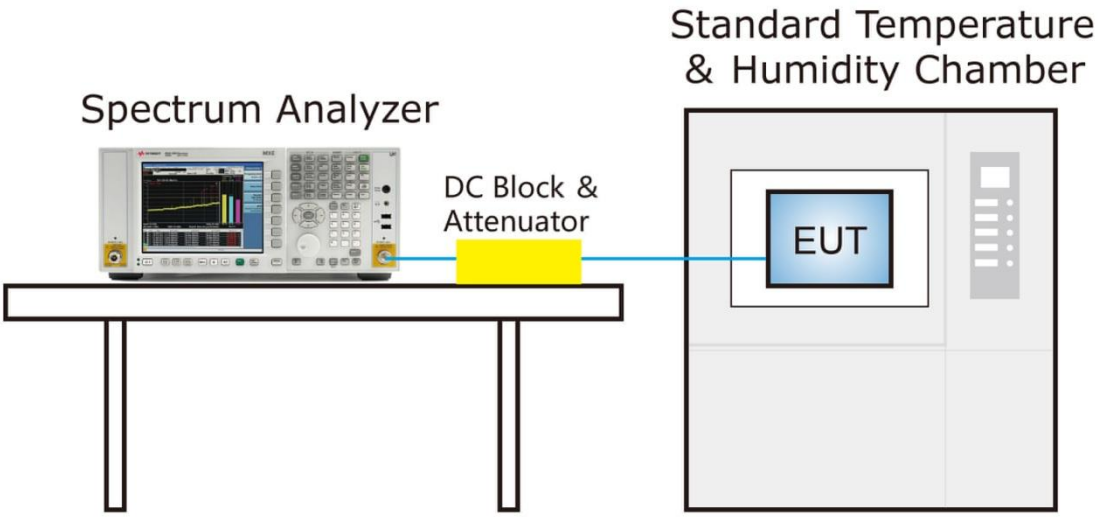
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

7.7.3.Test Setup



7.7.4.Test Result

Product	ACCESS POINT	Test Engineer	Fran
Test Site	SR3	Test Date	2025/2/26
Test Item	Frequency Stability Measurement_5GPB		

Voltage (%)	Power (AC)	Temp (°C)	Frequency (MHz)	Frequency Tolerance (ppm)			
				0 minutes	2 minutes	5 minutes	10 minutes
100%	120V	+ 20	5745	-11.14	-11.24	-11.25	-11.13

Note 1: Frequency Tolerance (ppm) = {[Measured Frequency (MHz) - Declared Frequency (MHz)] / Declared Frequency (MHz)} *10^6.

Product	ACCESS POINT	Test Engineer	Fran
Test Site	SR3	Test Date	2025/2/26
Test Item	Frequency Stability Measurement_5GHB		

Voltage (%)	Power (AC)	Temp (°C)	Frequency (MHz)	Frequency Tolerance (ppm)			
				0 minutes	2 minutes	5 minutes	10 minutes
100%	120V	+ 20	5745	-11.71	-11.61	-11.66	-11.68

Note 1: Frequency Tolerance (ppm) = {[Measured Frequency (MHz) - Declared Frequency (MHz)] / Declared Frequency (MHz)} *10^6.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test 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

7.8.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

7.8.3.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
>1000 MHz	1 MHz

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

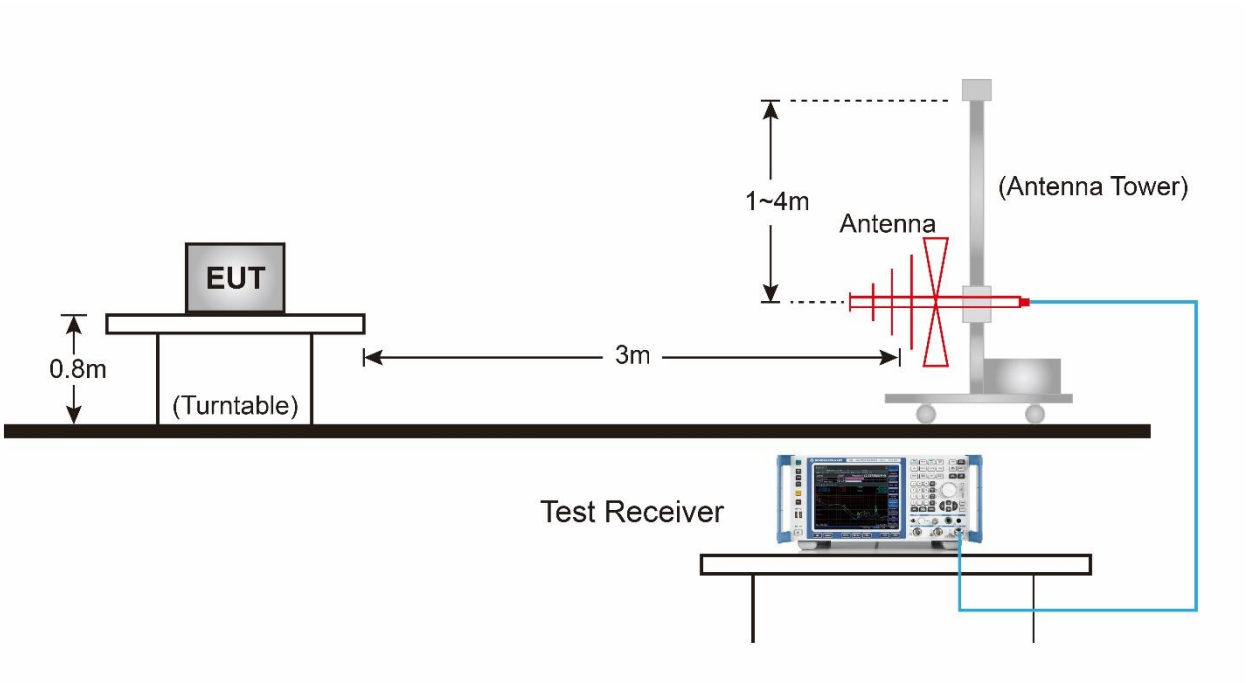
5. Sweep time = auto

6. Trace mode = max hold

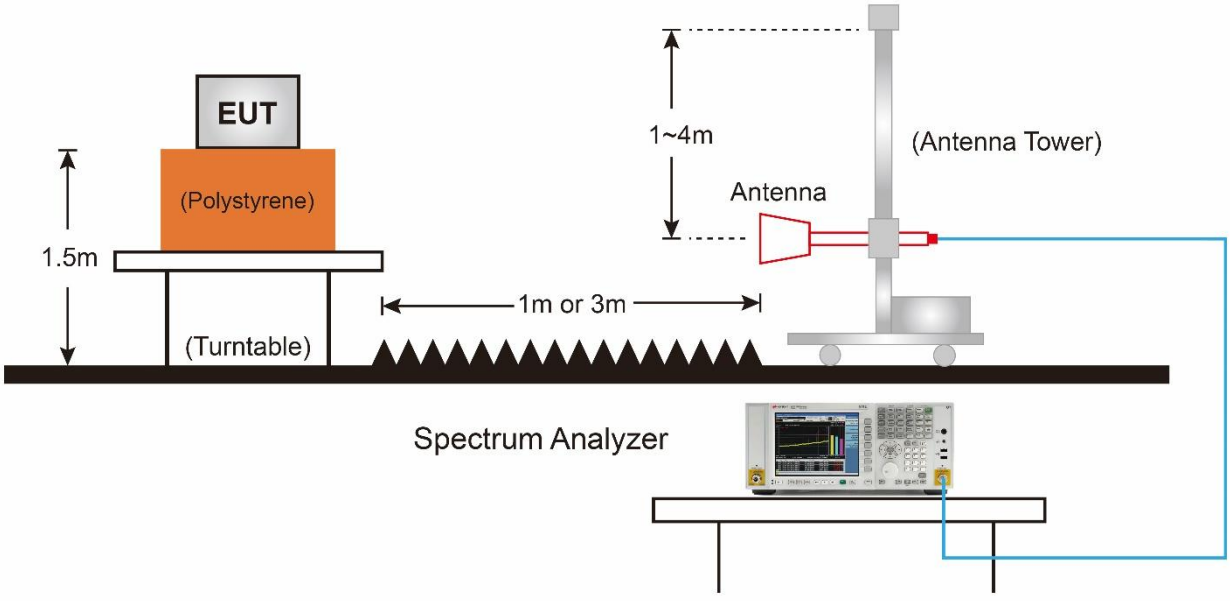
7. Trace was allowed to stabilize

7.8.4.Test Setup

Below 1GHz Test Setup:

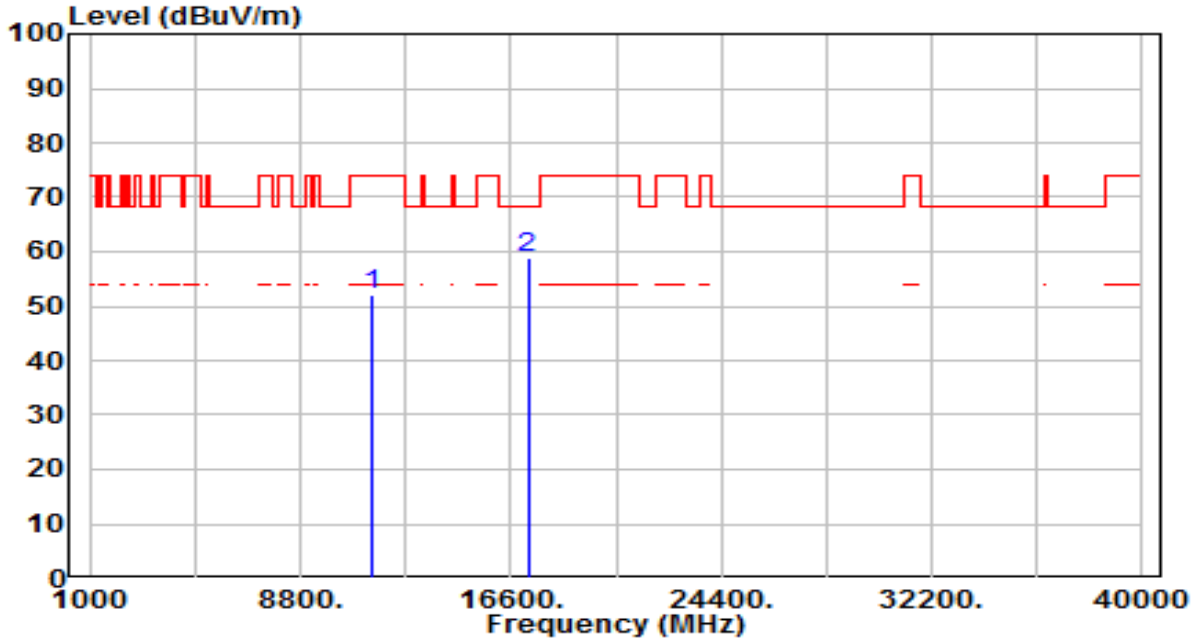


Above 1GHz Test Setup:



7.8.5.Test Result

EUT	ACCESS POINT	Date of Test	2024-12-22
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	20°C /60%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GPB	Test Voltage	AC 120V/60Hz

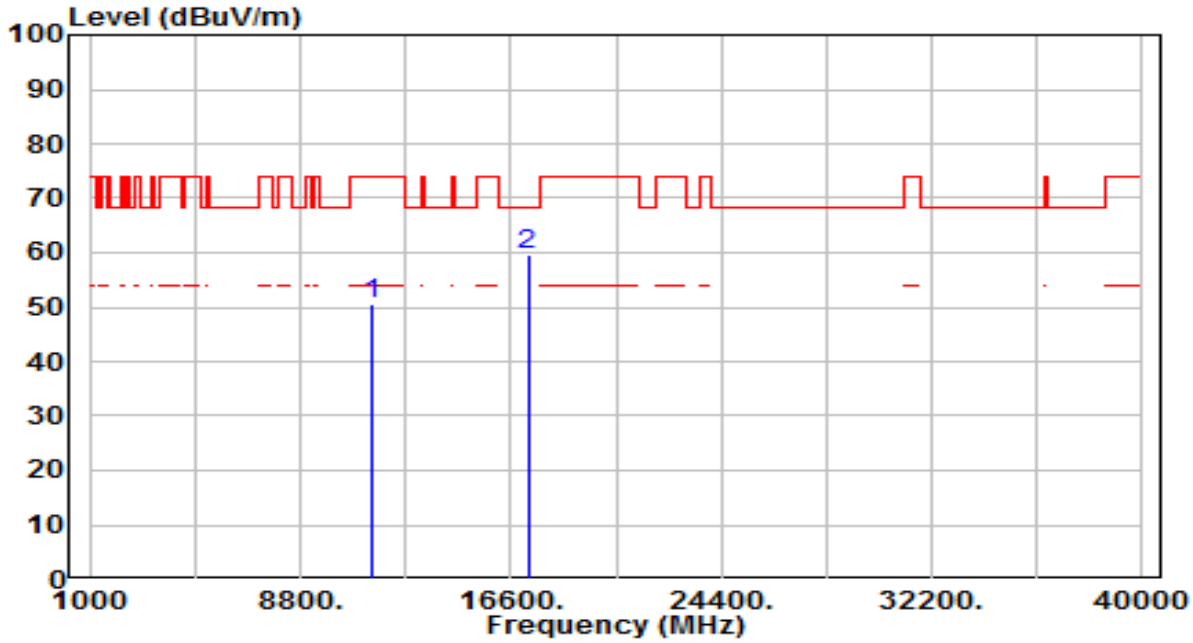


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	32.43	19.83	52.26	-21.74	74.00	100	13	Peak
2	*	17235.000	33.00	25.76	58.76	-9.44	68.20	100	288	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2024-12-22
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	20°C /60%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GPB	Test Voltage	AC 120V/60Hz

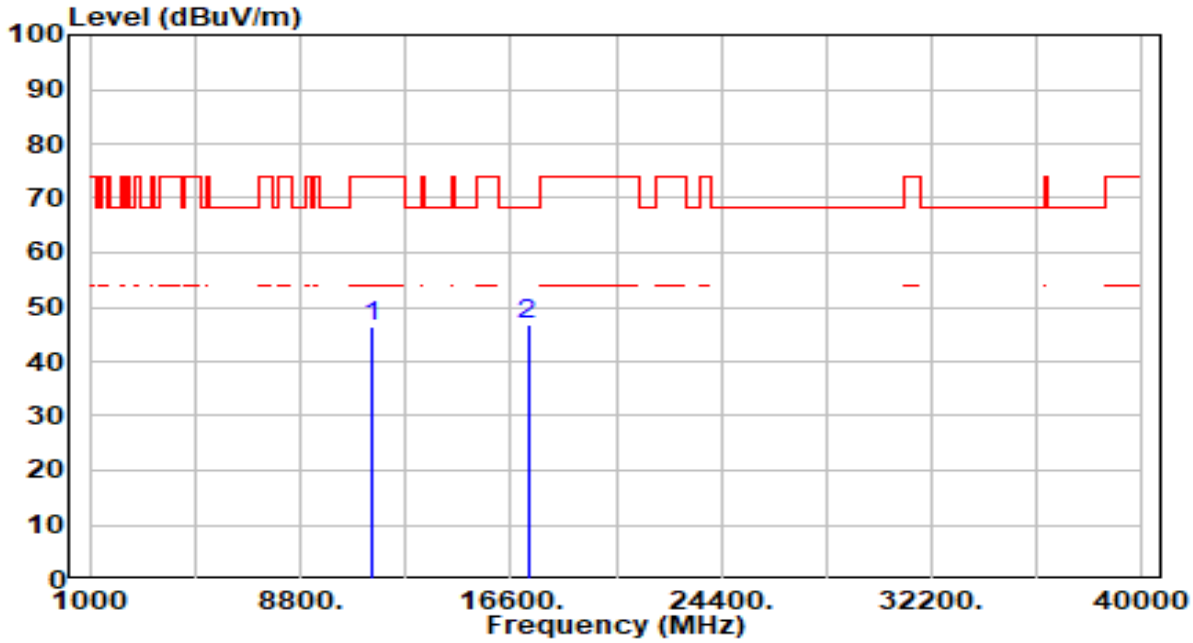


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	30.61	19.83	50.44	-23.56	74.00	100	131	Peak
2	*	17235.000	33.68	25.76	59.45	-8.75	68.20	100	172	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2025-02-14
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Yang
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GHB	Test Voltage	AC 120V/60Hz

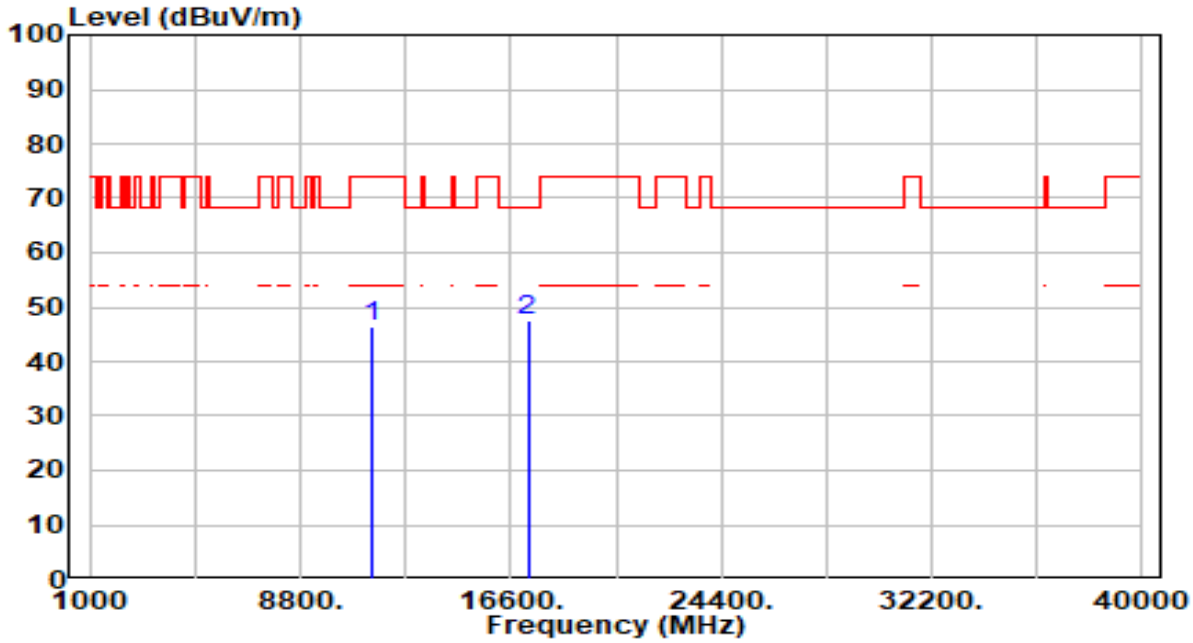


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	41.16	5.28	46.44	-27.56	74.00	300	244	Peak
2	*	17235.000	41.57	5.25	46.82	-21.38	68.20	100	35	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2025-02-14
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Yang
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GHB	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	41.12	5.28	46.40	-27.60	74.00	100	121	Peak
2	*	17235.000	42.32	5.25	47.57	-20.63	68.20	100	97	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

7.9. Radiated Restricted Band Edge Measurement

7.9.1.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
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310 - 2390	15.35-16.2
8.362-8.366	156.52475-156.525	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 exceedane.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 increasinglinearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge

increasinglinearly 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 edgeincreasing 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

7.9.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

7.9.3.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

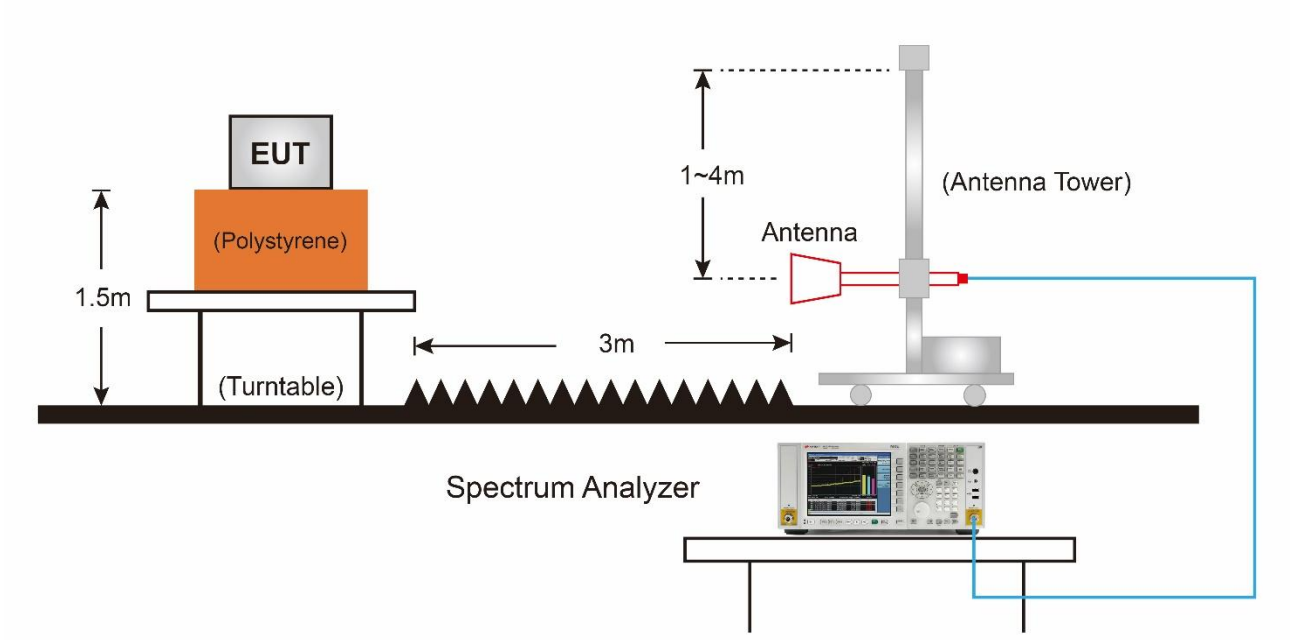
3. VBWIf the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

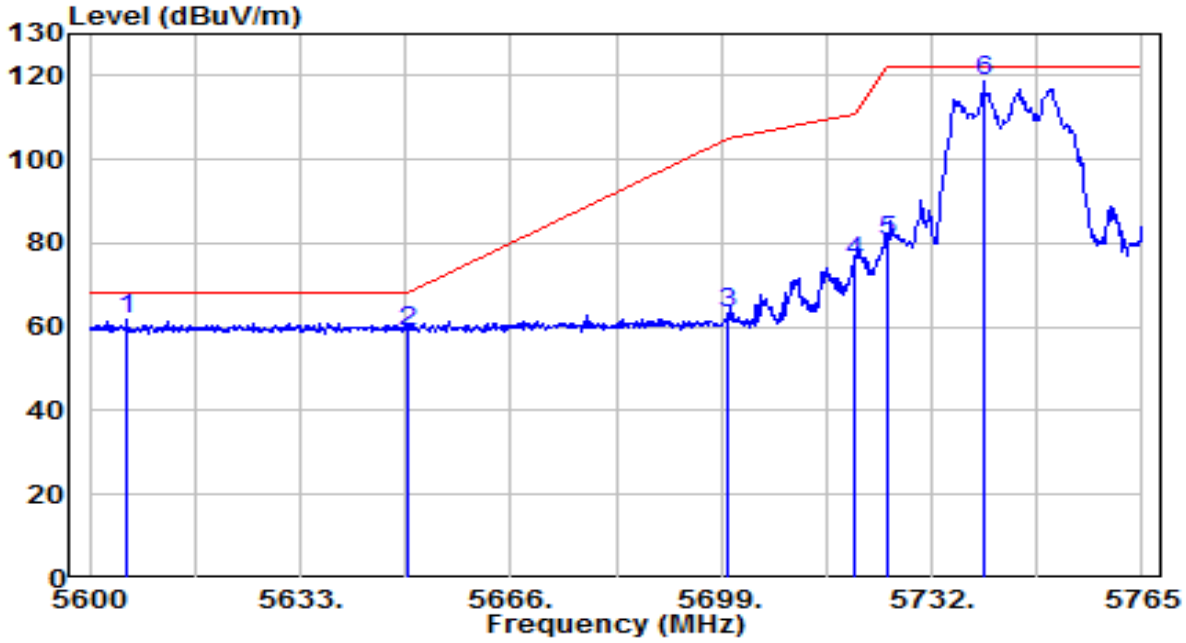
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

7.9.4.Test Setup



7.9.5.Test Result

EUT	ACCESS POINT	Date of Test	2024-12-22
Factor	BBHA 9120D	Temp. / Humidity	20°C /60%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GPB	Test Voltage	AC 120V/60Hz

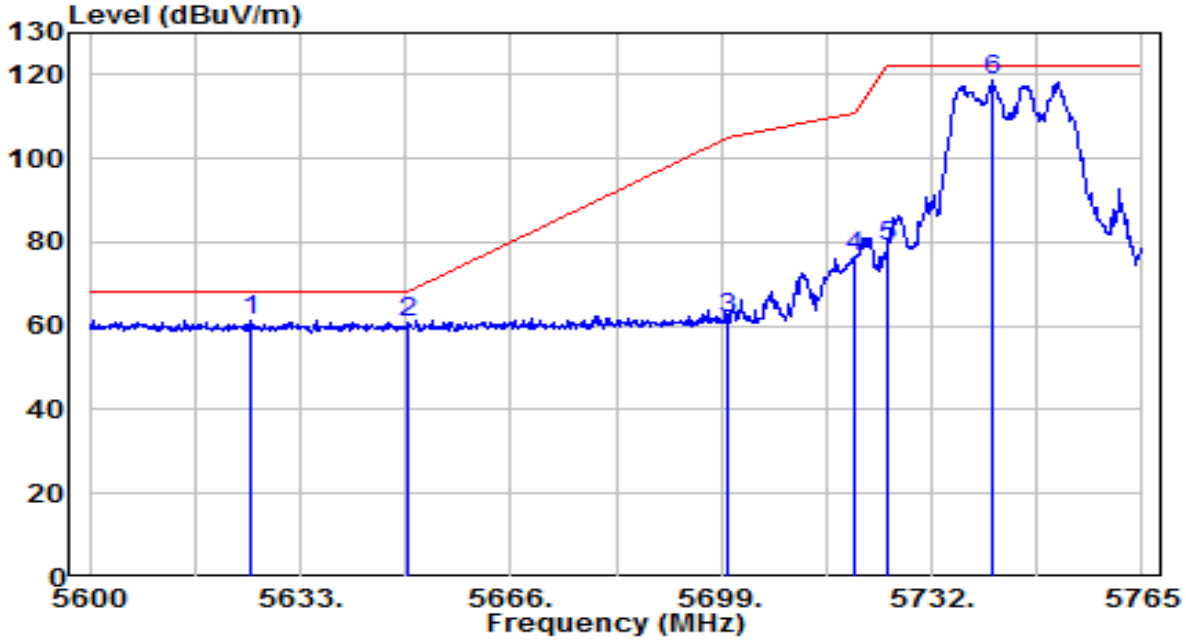


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5605.940	56.46	5.13	61.59	-6.61	68.20	285	210	Peak
2		5650.000	53.71	5.27	58.98	-9.22	68.20	285	210	Peak
3		5700.000	57.78	5.44	63.22	-41.98	105.20	285	210	Peak
4		5720.000	70.18	5.51	75.69	-35.11	110.80	285	210	Peak
5		5725.000	75.15	5.53	80.68	-41.52	122.20	285	210	Peak
6		5740.250	112.96	5.58	118.54	N/A	N/A	285	210	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 20dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2024-12-22
Factor	BBHA 9120D	Temp. / Humidity	20°C /60%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GPB	Test Voltage	AC 120V/60Hz

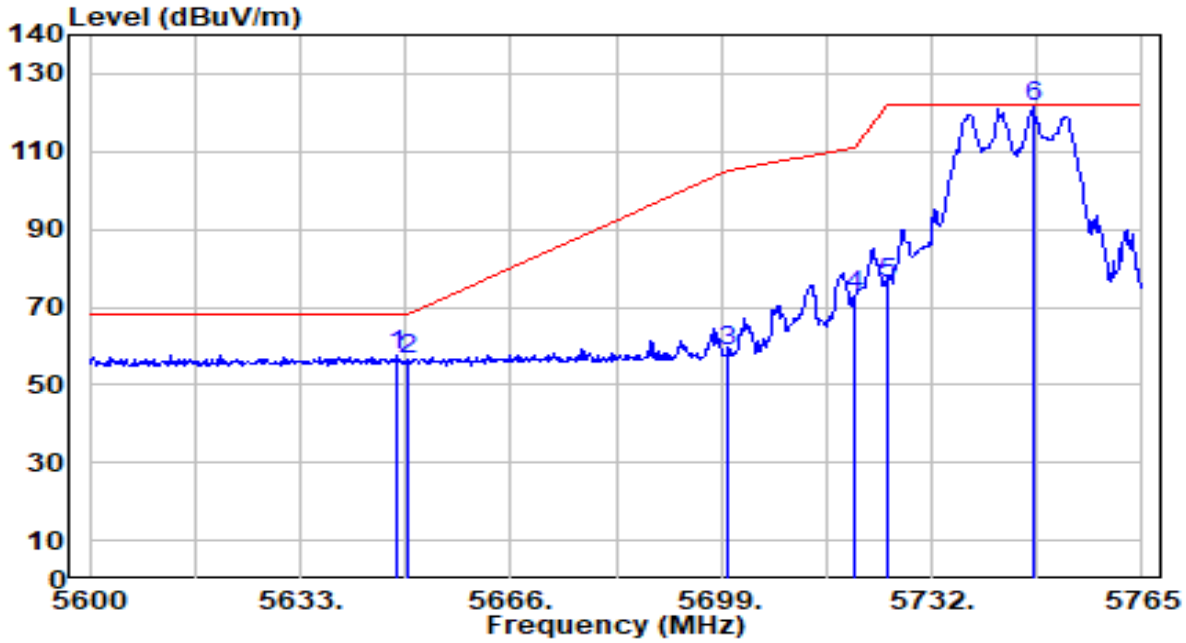


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5625.410	56.04	5.19	61.23	-6.97	68.20	200	190	Peak
2		5650.000	55.34	5.27	60.61	-7.59	68.20	200	190	Peak
3		5700.000	56.17	5.44	61.61	-43.59	105.20	200	190	Peak
4		5720.000	70.95	5.51	76.46	-34.34	110.80	200	190	Peak
5		5725.000	73.42	5.53	78.95	-43.25	122.20	200	190	Peak
6		5741.570	113.07	5.58	118.65	N/A	N/A	200	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB) + 20dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2025-02-14
Factor	DRH18-E	Temp. / Humidity	23°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Yang
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GHB	Test Voltage	AC 120V/60Hz

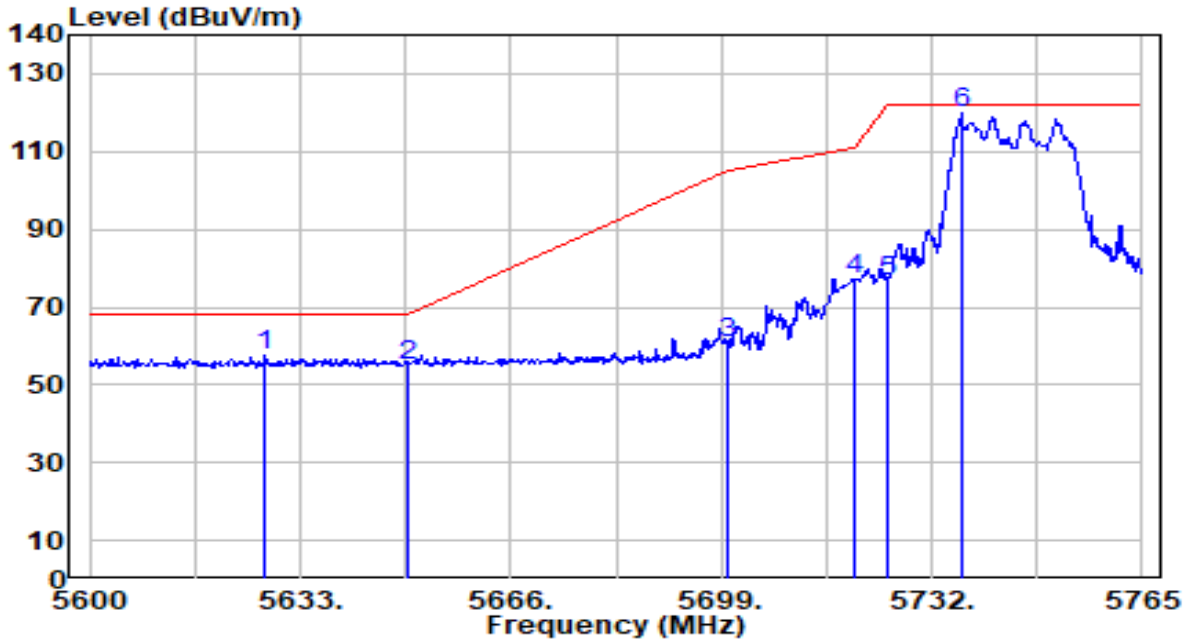


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5648.180	56.14	1.53	57.68	-10.52	68.20	100	215	Peak
2		5650.000	55.17	1.54	56.72	-11.48	68.20	100	215	Peak
3		5700.000	57.11	1.78	58.89	-46.31	105.20	100	215	Peak
4		5720.000	71.27	1.87	73.14	-37.66	110.80	100	215	Peak
5		5725.000	74.06	1.89	75.95	-46.25	122.20	100	215	Peak
6		5747.840	119.31	2.00	121.31	N/A	N/A	100	215	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2025-02-14
Factor	DRH18-E	Temp. / Humidity	23°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Yang
Test Mode	802.11ax-20MHz_TX_Band4_CH 149_ANT 0+1+2+3_5GHB	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5627.390	55.96	1.44	57.40	-10.80	68.20	114	118	Peak
2		5650.000	53.45	1.54	55.00	-13.20	68.20	114	118	Peak
3		5700.000	58.88	1.78	60.65	-44.55	105.20	114	118	Peak
4		5720.000	75.36	1.87	77.22	-33.58	110.80	114	118	Peak
5		5725.000	74.55	1.89	76.45	-45.75	122.20	114	118	Peak
6		5736.785	117.75	1.95	119.69	N/A	N/A	114	118	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

7.10.AC Conducted Emissions Measurement

7.10.1.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.

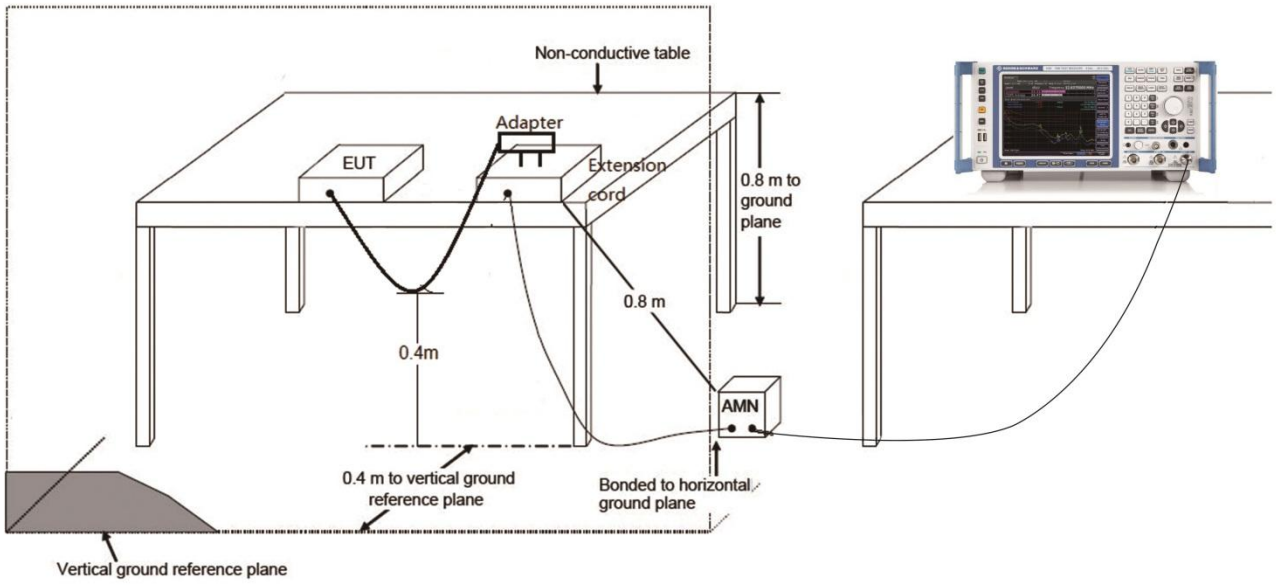
7.10.2.Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements.The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

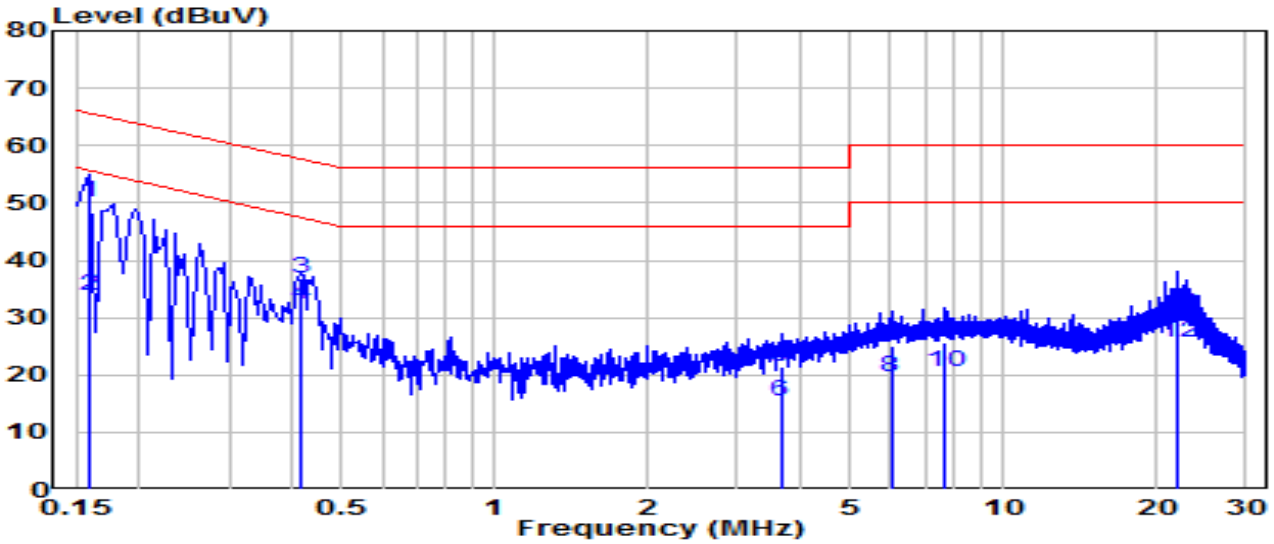
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

7.10.3.Test Setup



7.10.4.Test Result

EUT	ACCESS POINT	Date of Test	2025-02-26
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	22.2°C /56%
Polarity	Line1	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.159	40.36	9.63	49.99	-15.52	65.52	QP
2		0.159	24.27	9.63	33.90	-21.61	55.52	Average
3	*	0.415	27.24	9.65	36.88	-20.66	57.54	QP
4	*	0.415	22.55	9.65	32.20	-15.34	47.54	Average
5		3.646	11.72	9.72	21.44	-34.56	56.00	QP
6		3.646	5.71	9.72	15.43	-30.57	46.00	Average
7		6.008	15.43	9.77	25.20	-34.80	60.00	QP
8		6.008	9.94	9.77	19.71	-30.29	50.00	Average
9		7.660	15.91	9.81	25.72	-34.28	60.00	QP
10		7.660	10.67	9.81	20.48	-29.52	50.00	Average
11		22.058	20.67	9.93	30.61	-29.39	60.00	QP
12		22.058	15.70	9.93	25.63	-24.37	50.00	Average

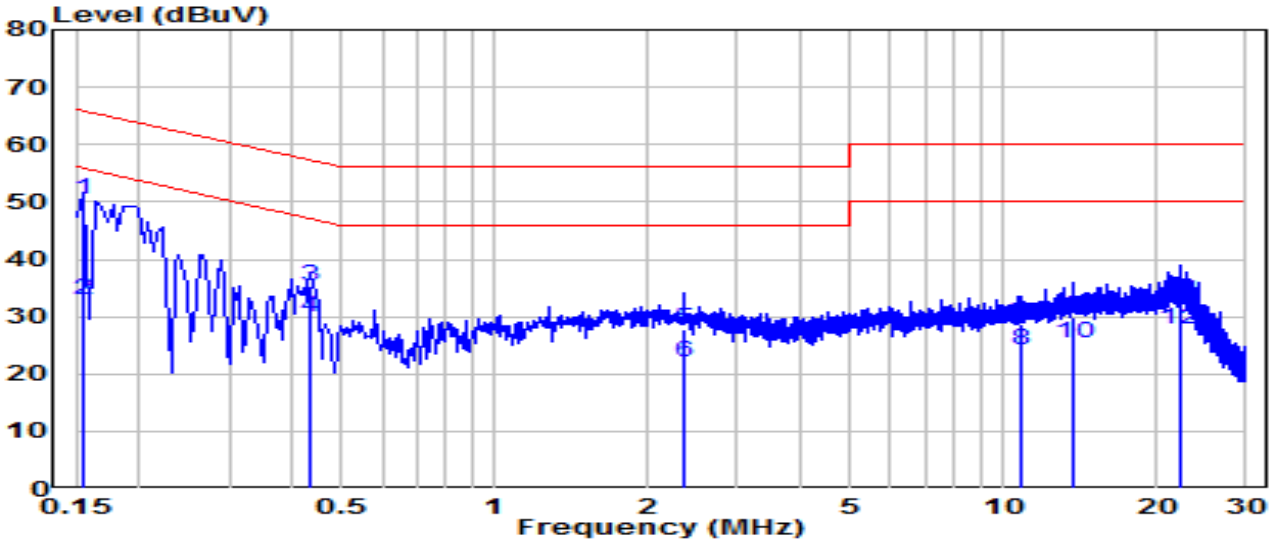
Note:

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

2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).

3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	ACCESS POINT	Date of Test	2025-02-26
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	22.2°C /56%
Polarity	Neutral	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0+1+2+3	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.154	40.79	9.63	50.42	-15.34	65.75	QP
2	*	0.154	23.27	9.63	32.90	-22.86	55.75	Average
3		0.433	25.78	9.65	35.43	-21.76	57.19	QP
4		0.433	20.13	9.65	29.77	-17.41	47.19	Average
5		2.359	17.91	9.72	27.63	-28.37	56.00	QP
6		2.359	12.41	9.72	22.13	-23.87	46.00	Average
7		10.805	18.76	9.90	28.66	-31.34	60.00	QP
8		10.805	14.14	9.90	24.04	-25.96	50.00	Average
9		13.689	20.02	9.93	29.95	-30.05	60.00	QP
10		13.689	15.58	9.93	25.51	-24.49	50.00	Average
11		22.171	22.59	10.01	32.59	-27.41	60.00	QP
12		22.171	17.66	10.01	27.66	-22.34	50.00	Average

Note:

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15E of the FCC Rules.

Appendix A : Test Setup Photograph

Refer to “2412TW0107-UT” file.

Appendix B : EUT Photograph

Refer to “2412TW0107-UE” file.

Appendix C : Internal Photograph

Refer to “2412TW0107-UI” file.

The End