



MEASUREMENT REPORT

FCC ID : 2AQ5W-G60PRO

APPLICANT : AMobile Solutions Corp.

Application Type : Certification

Product : Industry Inspection Device

Model No. : G60 Pro

Brand Name : AMobile

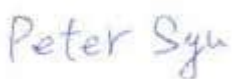
FCC Classification : Unlicensed National Information Infrastructure (UNII)

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

Test Procedure(s) : ANSI C63.10-2013

Received Date : August 20, 2024

Test Date : September 12, 2024~ November 25, 2024

Tested By : 
(Peter Syu)

Reviewed By : 
(Paddy Chen)

Approved By : 
(Chenz Ker)



The test results relate only to the tested samples.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10 Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2411TW7401-U5	1.0	Original Report	2025-04-15	

CONTENTS

Description	Page
1. INTRODUCTION	7
1.1. Scope	7
1.2. MRT Test Location	7
2. PRODUCT INFORMATION	8
2.1. Equipment Description.....	8
2.2. Product Specification Subjective to this Standard	8
2.3. Operation Frequencies and Channel List.....	9
2.4. Test Mode	11
2.5. Test Software.....	11
2.6. Device Capabilities	12
2.7. Test Configuration	12
2.8. Test System Details.....	13
2.9. EMI Suppression Device(s)/Modifications	13
2.10. Labeling Requirements.....	13
3. DESCRIPTION OF TEST	14
3.1. Evaluation Procedure	14
3.2. AC Line Conducted Emissions	14
3.3. Radiated Emissions.....	15
4. ANTENNA REQUIREMENTS.....	16
5. TEST EQUIPMENT CALIBRATION DATE.....	17
6. MEASUREMENT UNCERTAINTY.....	18
7. TEST RESULT	19
7.1. Summary.....	19
7.2. 26dB Bandwidth Measurement.....	20
7.2.1. Test Limit	20
7.2.2. Test Procedure used.....	20
7.2.3. Test Setting.....	20
7.2.4. Test Setup	20
7.2.5. Test Result.....	21
7.3. 6dB Bandwidth Measurement.....	26
7.3.1. Test Limit	26
7.3.2. Test Procedure used.....	26

7.3.3. Test Setting.....	26
7.3.4. Test Setup	26
7.3.5. Test Result.....	27
7.4. Output Power Measurement.....	31
7.4.1. Test Limit	31
7.4.2. Test Procedure Used	31
7.4.3. Test Setting.....	32
7.4.4. Test Setup	32
7.4.5. Test Result.....	33
7.5. Transmit Power Control	35
7.5.1. Test Limit	35
7.5.2. Test Procedure Used	35
7.5.3. Test Setting.....	35
7.5.4. Test Setup	35
7.5.5. Test Result.....	36
7.6. Power Spectral Density Measurement.....	37
7.6.1. Test Limit	37
7.6.2. Test Procedure Used	37
7.6.3. Test Setting.....	38
7.6.4. Test Setup	38
7.6.5. Test Result.....	39
7.7. Frequency Stability Measurement	44
7.7.1. Test Limit	44
7.7.2. Test Limit	44
7.7.3. Test Setup	45
7.7.4. Test Result.....	45
7.8. Radiated Spurious Emission Measurement	46
7.8.1. Test Limit	46
7.8.2. Test Procedure Used	46
7.8.3. Test Setting.....	46
7.8.4. Test Setup	48
7.8.5. Test Result.....	50
7.9. Radiated Restricted Band Edge Measurement	88
7.9.1. Test Limit	88
7.9.2. Test Result.....	91
7.10. AC Conducted Emissions Measurement	121
7.10.1. Test Limit	121
7.10.2. Test Procedure	121

7.10.3. Test Setup	122
7.10.4. Test Result.....	123
8. CONCLUSION	125
Appendix A : Test Photograph	126
Appendix B : External Photograph	126
Appendix C : Internal Photograph	126

General Information

Applicant	AMobile Solutions Corp.
Applicant Address	8F.-1, No. 700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Manufacturer	AMobile Solutions Corp.
Manufacturer Address	8F.-1, No. 700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
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

Measurements were performed at MRT Laboratory located in Fuxing Rd., Taoyuan, Taiwan (R.O.C)

- 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.
- MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
- 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.

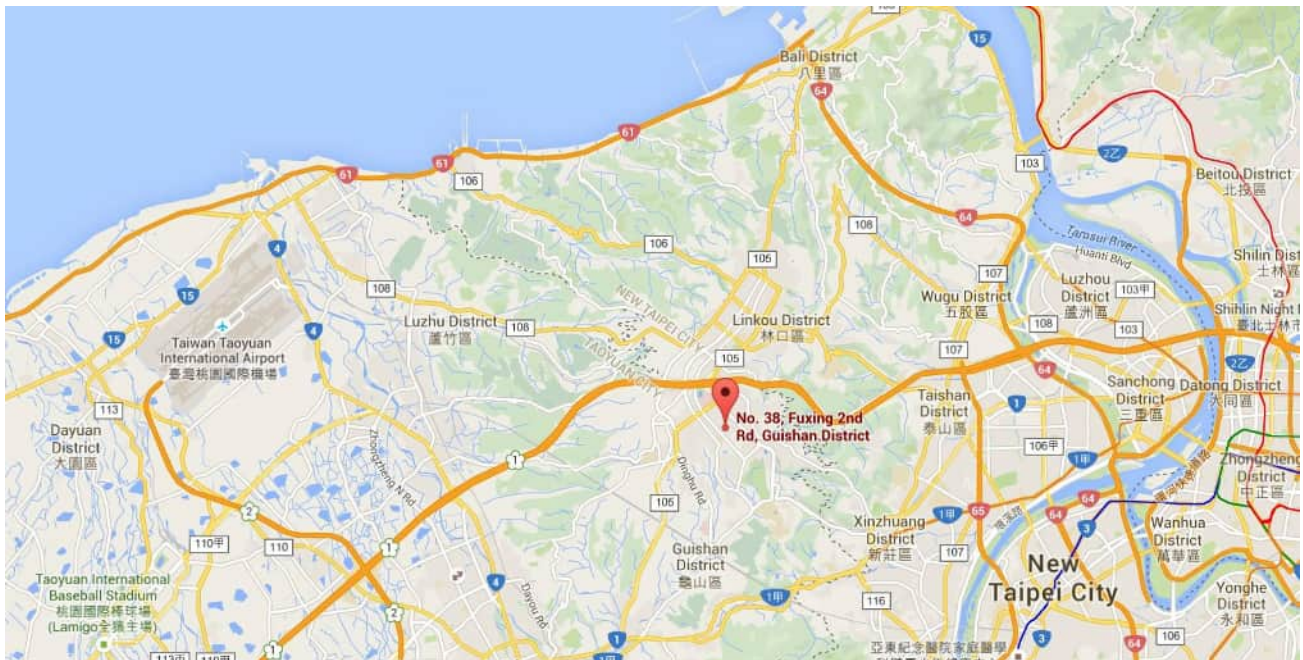
1. INTRODUCTION

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 Industry Canada 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	Industry Inspection Device
Model No.	G60 Pro
Brand Name	AMobile
Test Sample Number	#1
Supports Radios Spec.	WLAN: 802.11a/b/g/n/ac WPAN: Bluetooth Dual Mode: V5.0

2.2. Product Specification Subjective to this Standard

Frequency Range	For 802.11a/n-HT20/ac-VHT-20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40/ ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5775MHz
Type of Modulation	802.11b: DSSS, DBPSK, DQPSK, CCK 802.11a/g/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.3Mbps

2.3. Operation Frequencies and Channel List

802.11 n-HT20/ ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11 n-HT40/ ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

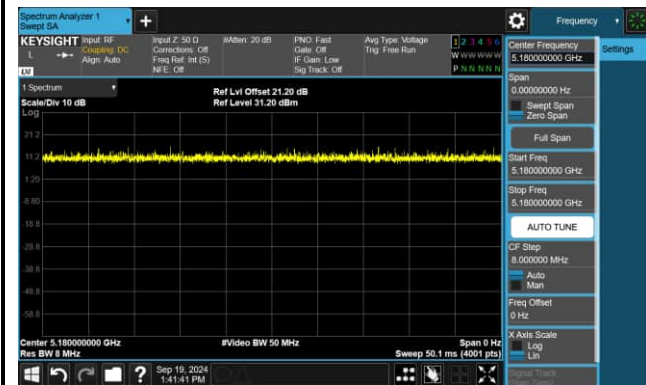
802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	--	--

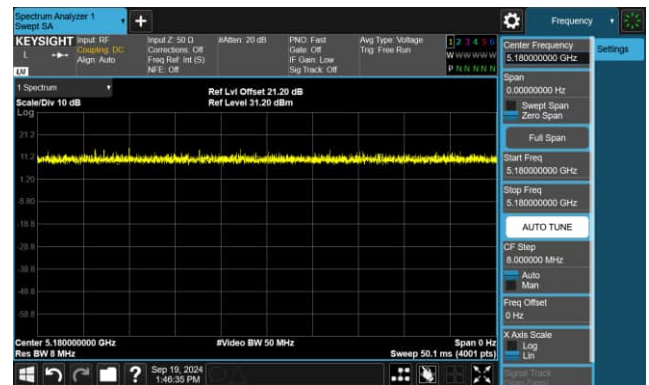
Duty Cycle

Test Mode	Duty Cycle
802.11a	100.00%
802.11n-HT20	100.00%
802.11ac-VHT20	100.00%
802.11n-HT40	100.00%
802.11ac-VHT40	100.00%
802.11ac-VHT80	100.00%

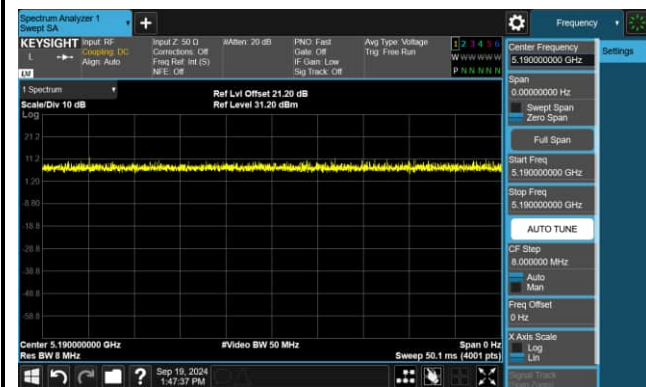
802.11a



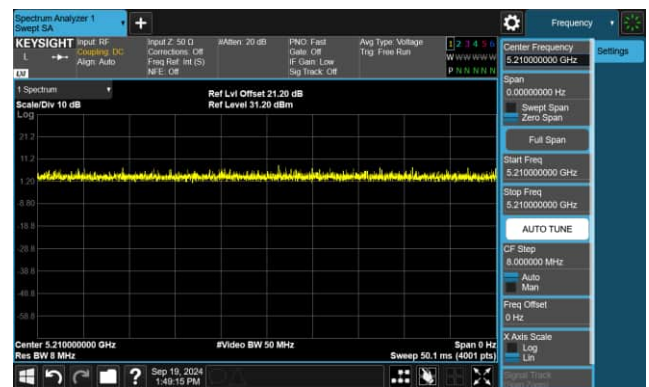
802.11n-HT20



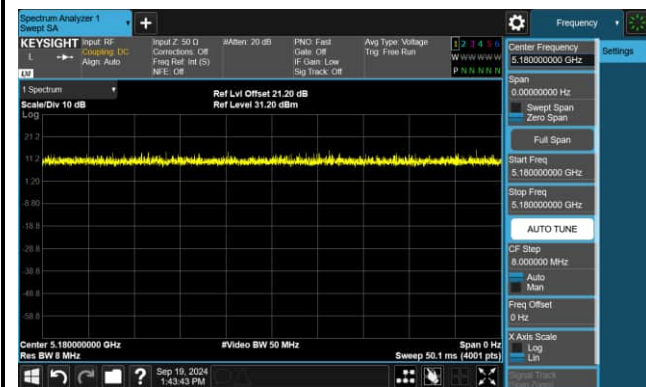
802.11ac-VHT20



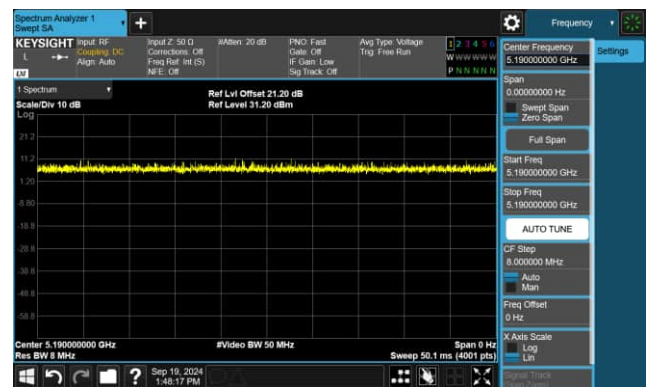
802.11n-HT40



802.11ac-VHT40



802.11ac-VHT80



2.4. Test Mode

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11ac-VHT20
	Mode 4: Transmit by 802.11n-HT40
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80

2.5. Test Software

The test utility software used during testing was “MTK Engineering Mode”.

2.6. Device Capabilities

This device contains the following capabilities:

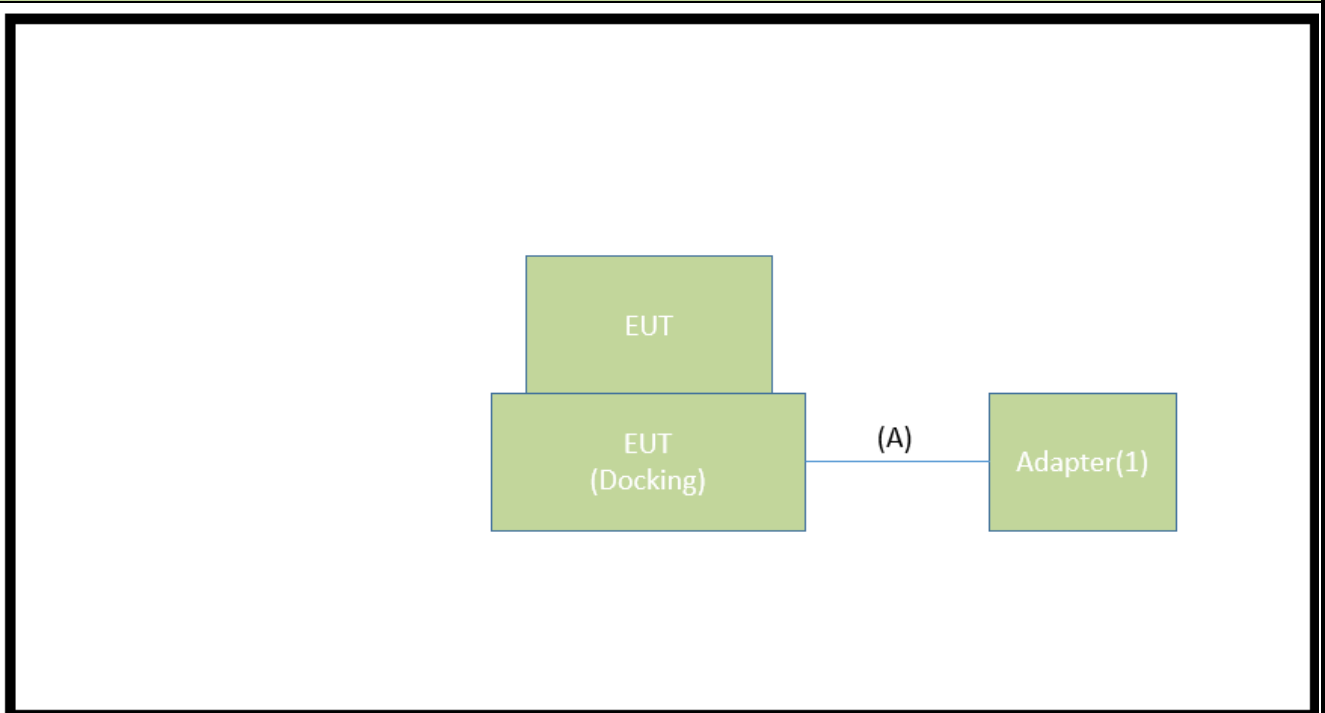
2.4GHz WLAN (DTS) and 5GHz WLAN (NII).

Note: 5GHz (NII) operation is possible in 20MHz, 40MHz and 80MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = average per the guidance of Section B)2)b) of KDB 789033 D02v02r01. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

2.7. Test Configuration

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

Connection Diagram



Signal Cable Type		Signal Cable Description
A	Docking USB Cable	Shielded 1.0m

2.8. Test System Details

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

2.9. EMI Suppression Device(s)/Modifications

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

2.10. 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 pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is 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 and label location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

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

Deviation from measurement procedure.....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 9'x4'x3' 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.

Line conducted emissions test results are shown in Section 7.10.

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 turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, 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. An 80cm 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 to maximize 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 the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the **Industry Inspection Device**, is permanently attached.
- There are no provisions for connection to an external antenna.

Conclusion:

The EUT unit complies with the requirement of §15.203.

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Cortec	A02	FPCB	3.24dBi

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions – SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2026/3/5
Cable	Rosnol	N1C50-RG400-B 1C50-500CM	MRTTWE00013	1 year	2025/6/14
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2026/3/4

Radiated Emissions – AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2025/5/7
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00086	1 year	2025/11/5
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2026/2/11
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2026/2/11
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	2026/3/4
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2025/4/14
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2025/6/14

Conducted Test Equipment – SR6

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	MRTTWA00015	1 year	2026/3/12

Test Software

Software	Version	Function
e3	9.160520a	EMI Test Software
EMI	V3	EMI Test Software

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 $k = 2$.

Conducted Emission- Power Line
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
Radiated Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 9kHz~30MHz: $\pm 3.92\text{dB}$ 30MHz~1GHz: $\pm 4.25\text{dB}$ 1GHz~18GHz: $\pm 4.40\text{dB}$ 18GHz~40GHz: $\pm 4.45\text{dB}$
Frequency Error
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 78.4\text{Hz}$
Conducted Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 0.84\text{dB}$
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 2.65\text{ dB}$
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 3.3\%$
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 0.82^\circ\text{C} / \pm 3\%$
DC Voltage
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): $\pm 0.3\%$

7. TEST RESULT

7.1. Summary

Company Name: Industry Inspection Device

FCC Classification: **Unlicensed National Information Infrastructure (UNII)**

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Pass	Section 7.2
15.407(e)	6dB Bandwidth	$\geq 500\text{kHz}$		Pass	Section 7.3
15.407(a)(1)(i), (2), (3)	Maximum Conducted Output Power	Refer to Section 7.5		Pass	Section 7.4
15.407(h)(1)	Transmit Power Control	$\leq 24 \text{ dBm}$		N/A	Section 7.5
15.407(a)(1)(i), (2), (3), (5)	Power Spectral Density	Refer to Section 7.7		Pass	Section 7.6
15.407(g)	Frequency Stability	N/A		Pass	Section 7.7
15.407(b)(1), (4)	Undesirable Emissions	$\leq -27\text{dBm/MHz EIRP}$ $\leq -17\text{dBm/MHz EIRP}$	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.10

Notes:

- 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.
- All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
- 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.

7.2. 26dB Bandwidth Measurement

7.2.1. Test Limit

N/A

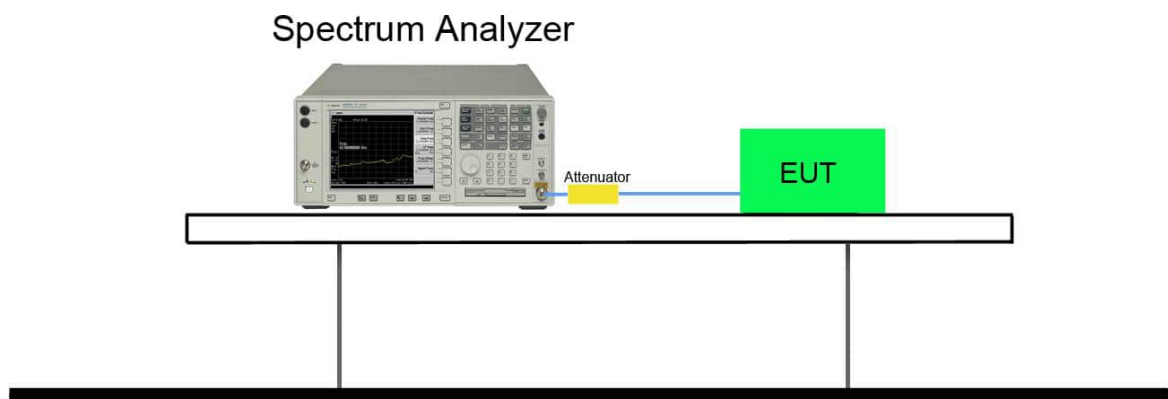
7.2.2. Test Procedure used

KDB 789033 D02v02r01 - Section C.1

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 $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.

7.2.4. Test Setup



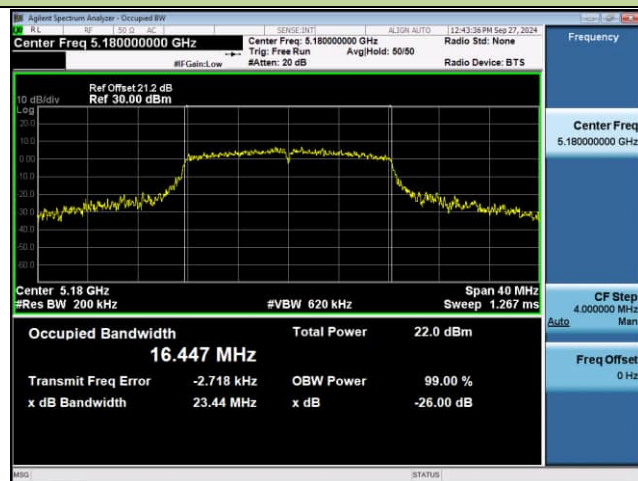
7.2.5. Test Result

Product	Industry Inspection Device	Test Engineer	Peter
Test Site	SR2	Test Date	2024/9/27
Test Item	26dB Bandwidth		

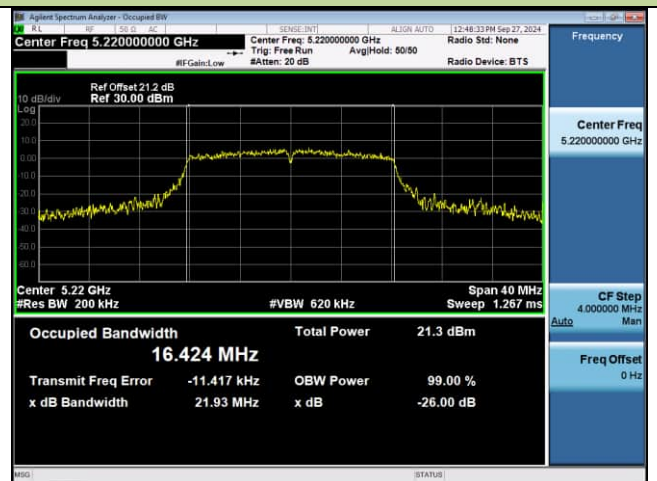
Test Mode	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	36	5180	23.44
802.11a	44	5220	21.93
802.11a	48	5240	19.86
802.11a	149	5745	20.16
802.11a	157	5785	22.53
802.11a	165	5825	25.81
802.11n-HT20	36	5180	20.17
802.11n-HT20	44	5220	19.80
802.11n-HT20	48	5240	19.83
802.11n-HT20	149	5745	20.56
802.11n-HT20	157	5785	23.00
802.11n-HT20	165	5825	22.80
802.11n-HT40	38	5190	40.38
802.11n-HT40	46	5230	39.71
802.11n-HT40	151	5755	44.61
802.11n-HT40	159	5795	40.78
802.11ac-VHT80	42	5210	80.00
802.11ac-VHT80	155	5775	79.33

802.11a 26dB Bandwidth & 99% Bandwidth

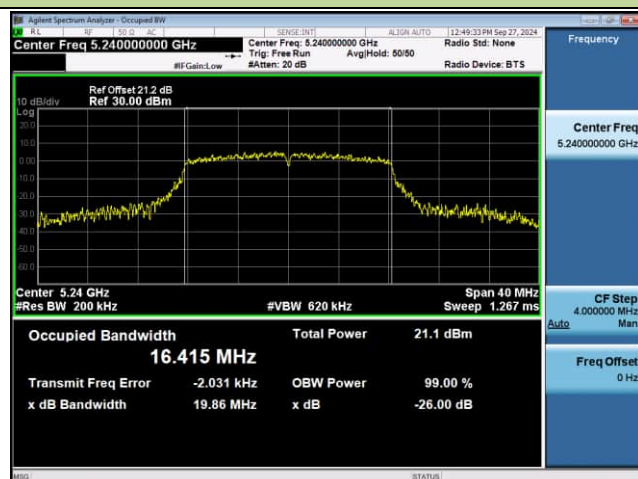
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



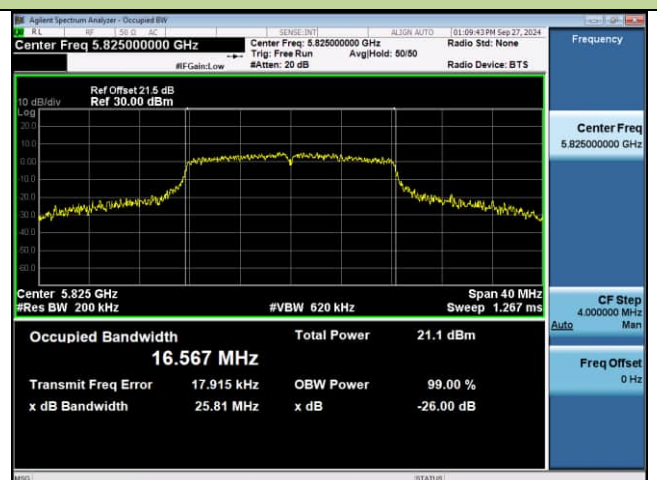
Channel 149 (5745MHz)



Channel 157 (5785MHz)

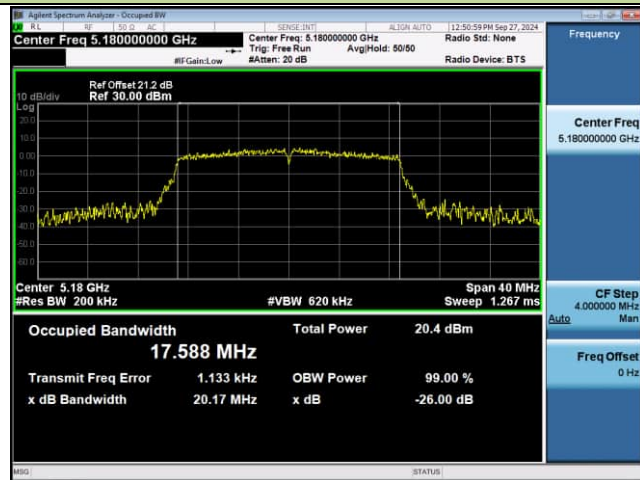


Channel 165 (5825MHz)



802.11n-HT20 26dB Bandwidth & 99% Bandwidth

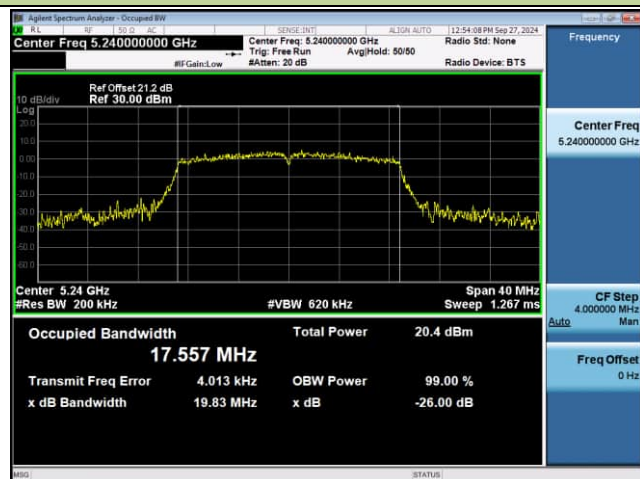
Channel 36 (5180MHz)



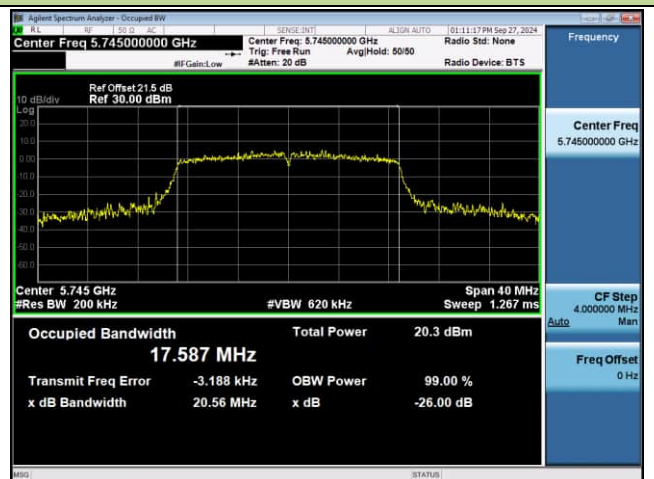
Channel 44 (5220MHz)



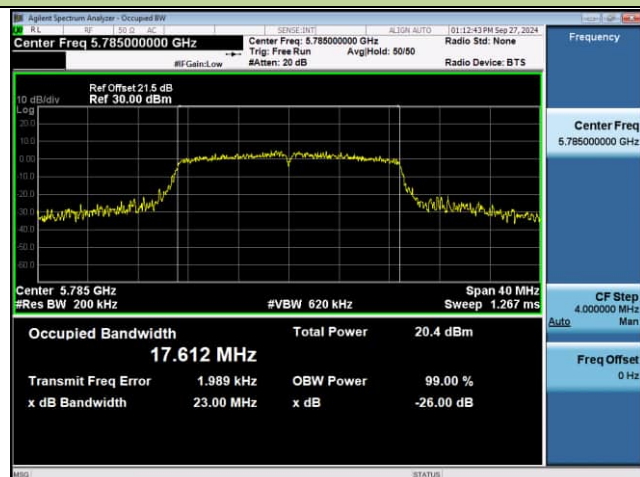
Channel 48 (5240MHz)



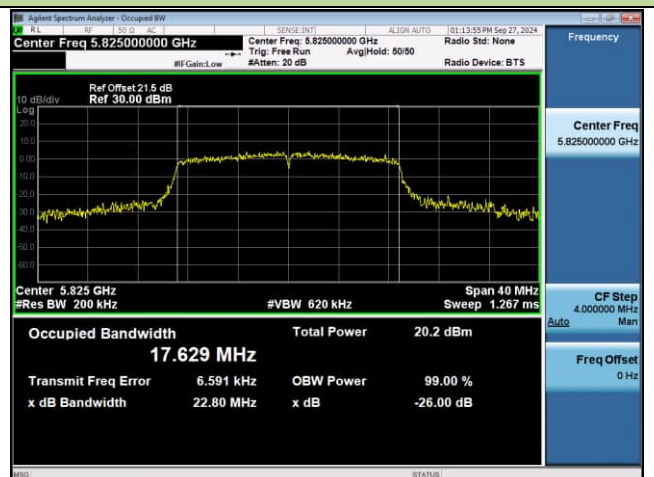
Channel 149 (5745MHz)



Channel 157 (5785MHz)

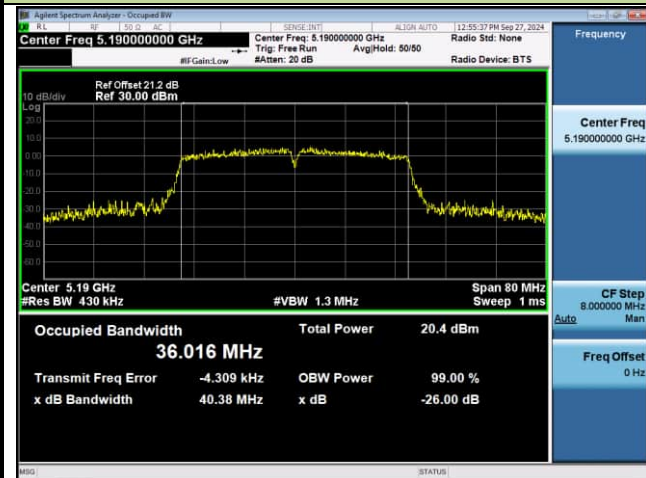


Channel 165 (5825MHz)

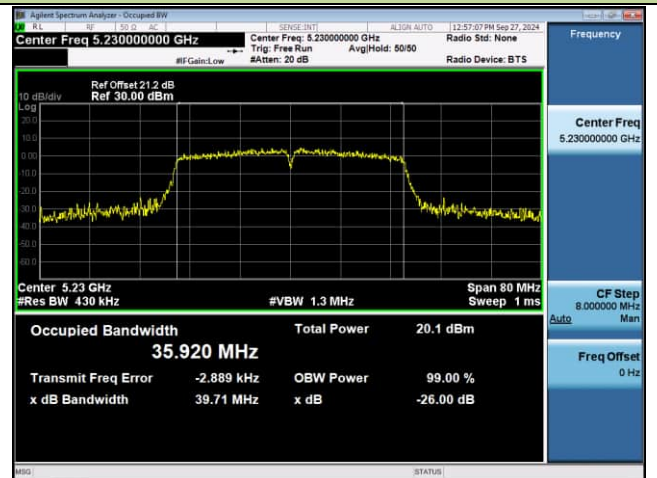


802.11n-HT40 26dB Bandwidth & 99% Bandwidth

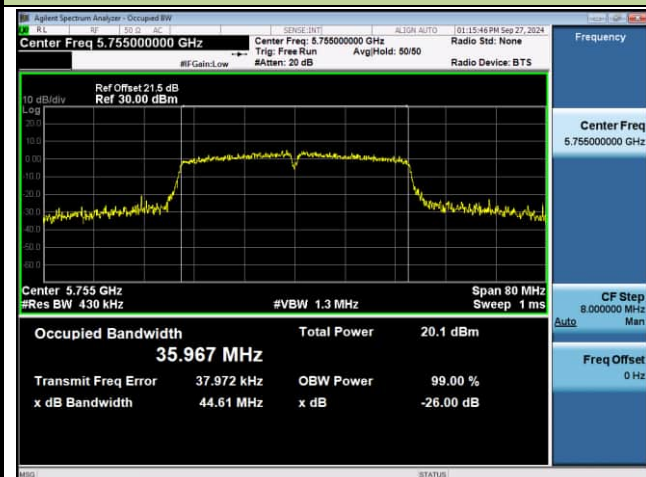
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

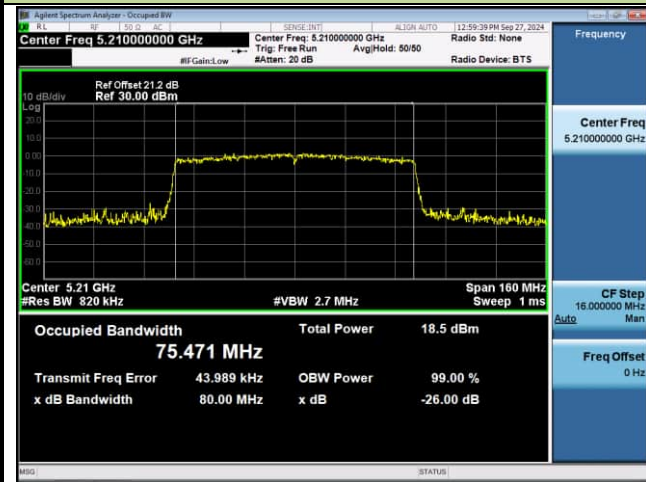


Channel 159 (5795MHz)

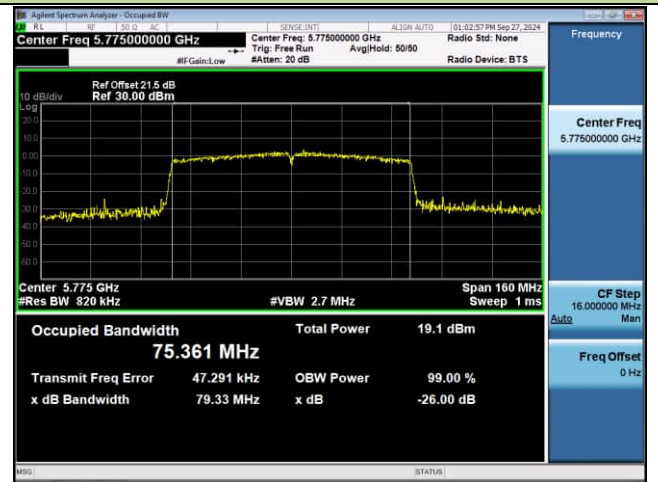


802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth

Channel 42 (5210MHz)



Channel 155 (5775MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

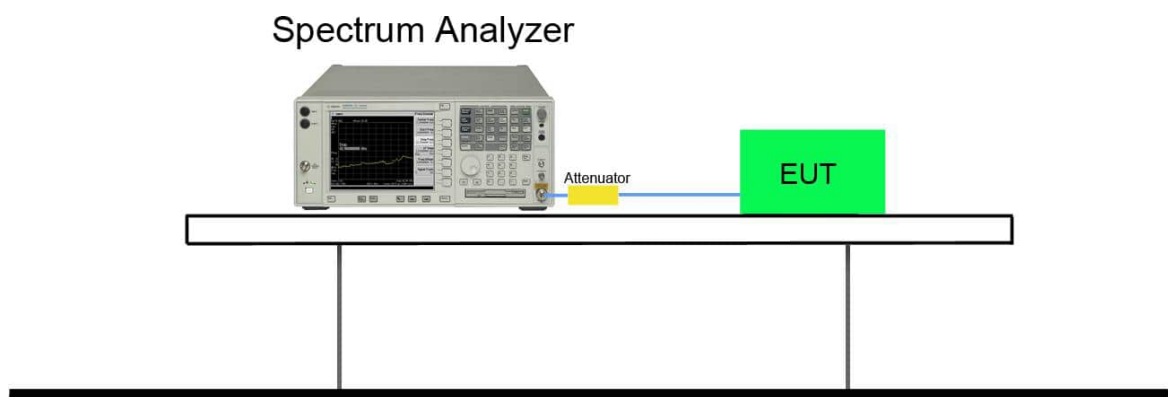
7.3.2. Test Procedure used

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

7.3.4. Test Setup



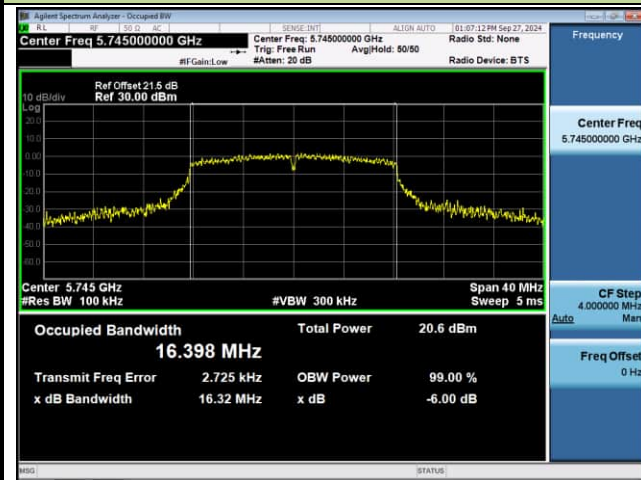
7.3.5. Test Result

Product	Industry Inspection Device	Test Engineer	Peter
Test Site	SR2	Test Date	2024/9/27
Test Item	6dB Bandwidth		

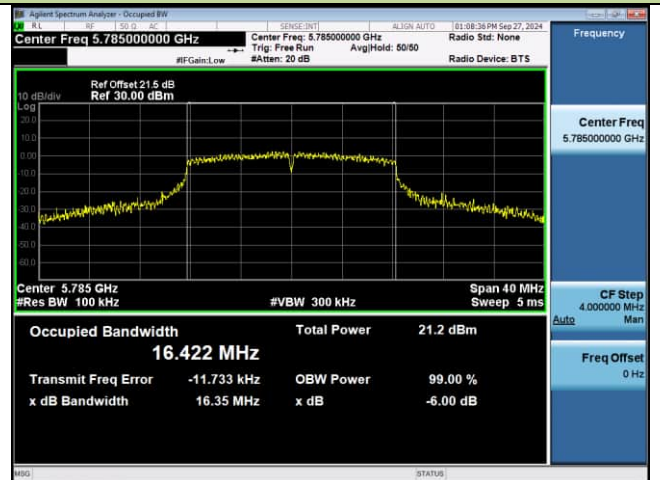
Test Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	149	5745	16.32	≥ 0.5	Pass
802.11a	157	5785	16.35	≥ 0.5	Pass
802.11a	165	5825	16.36	≥ 0.5	Pass
802.11n-HT20	149	5745	17.54	≥ 0.5	Pass
802.11n-HT20	157	5785	17.59	≥ 0.5	Pass
802.11n-HT20	165	5825	17.58	≥ 0.5	Pass
802.11n-HT40	151	5755	35.66	≥ 0.5	Pass
802.11n-HT40	159	5795	35.40	≥ 0.5	Pass
802.11ac-VHT80	155	5775	76.37	≥ 0.5	Pass

802.11a 6dB Bandwidth

Channel 149 (5745MHz)



Channel 157 (5785MHz)

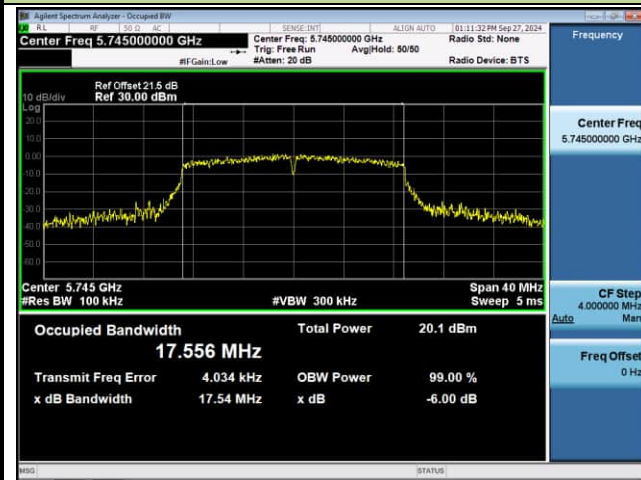


Channel 165 (5825MHz)

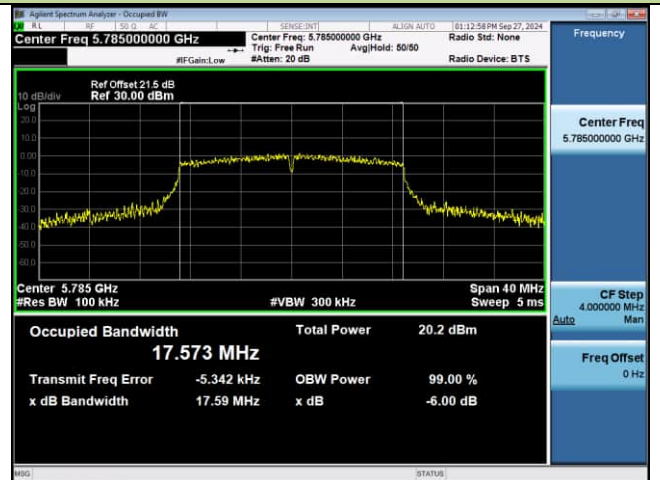


802.11n-HT20 6dB Bandwidth

Channel 149 (5745MHz)



Channel 157 (5785MHz)

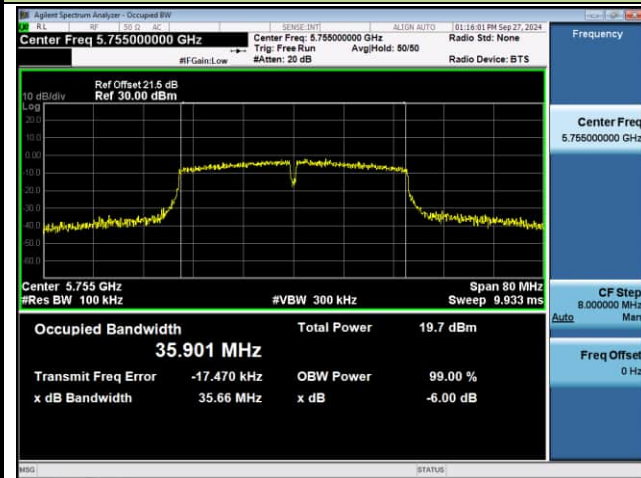


Channel 165 (5825MHz)

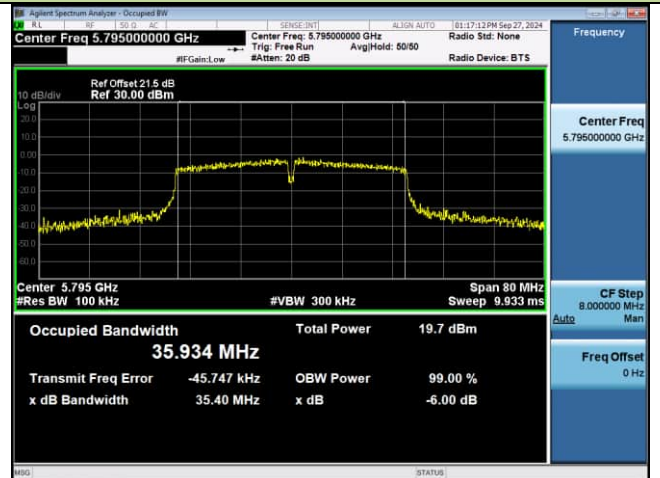


802.11n-HT40 6dB Bandwidth

Channel 151 (5755MHz)

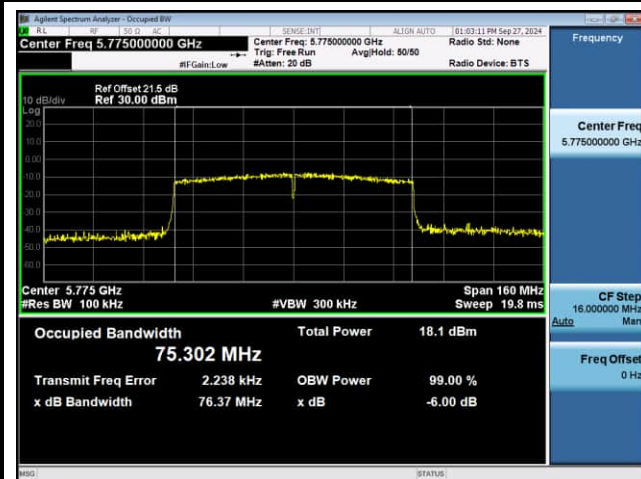


Channel 159 (5795MHz)



802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

For FCC Power Measurement Limit

For client operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 250mW.

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 (23.98dBm) or 11dBm +10 log (26dB BW).

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

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

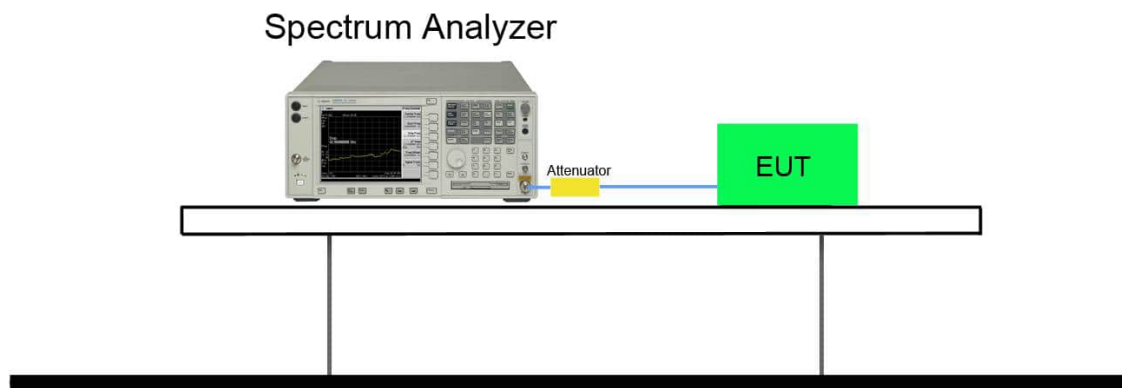
7.4.2. Test Procedure Used

KDB 789033 D02v02r01 - 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. The trace was averaged over 100 traces to obtain the final measured average power.

7.4.4. Test Setup



7.4.5. Test Result

Product	Industry Inspection Device	Test Engineer	Peter
Test Site	SR2	Test Date	2024/9/27
Test Item	Output Power		

FCC Power:

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	17.44	≤ 30.00	Pass
11a	6Mbps	44	5220	17.52	≤ 30.00	Pass
11a	6Mbps	48	5240	17.48	≤ 30.00	Pass
11a	6Mbps	149	5745	17.14	≤ 30.00	Pass
11a	6Mbps	157	5785	17.22	≤ 30.00	Pass
11a	6Mbps	165	5825	17.14	≤ 30.00	Pass
11n-HT20	MCS0	36	5180	16.34	≤ 30.00	Pass
11n-HT20	MCS0	44	5220	16.40	≤ 30.00	Pass
11n-HT20	MCS0	48	5240	16.37	≤ 30.00	Pass
11n-HT20	MCS0	149	5745	16.35	≤ 30.00	Pass
11n-HT20	MCS0	157	5785	16.34	≤ 30.00	Pass
11n-HT20	MCS0	165	5825	16.19	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	15.88	≤ 30.00	Pass
11ac-VHT20	MCS0	44	5220	15.91	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	16.01	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	15.53	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	15.90	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	15.77	≤ 30.00	Pass
11n-HT40	MCS0	38	5190	16.45	≤ 30.00	Pass
11n-HT40	MCS0	46	5230	16.26	≤ 30.00	Pass
11n-HT40	MCS0	151	5755	16.14	≤ 30.00	Pass
11n-HT40	MCS0	159	5795	16.25	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	15.13	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	15.15	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	15.26	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	15.18	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	15.19	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	15.23	≤ 30.00	Pass

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.

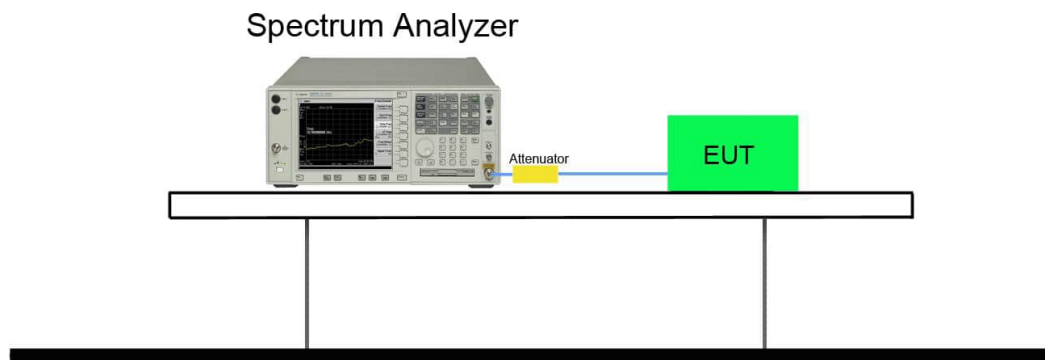
7.5.2. Test Procedure Used

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

Note: TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

For FCC Power Spectral Density Limit

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

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

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

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

For IC Power Spectral Density Limit

For the band 5.15-5.25 GHz, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

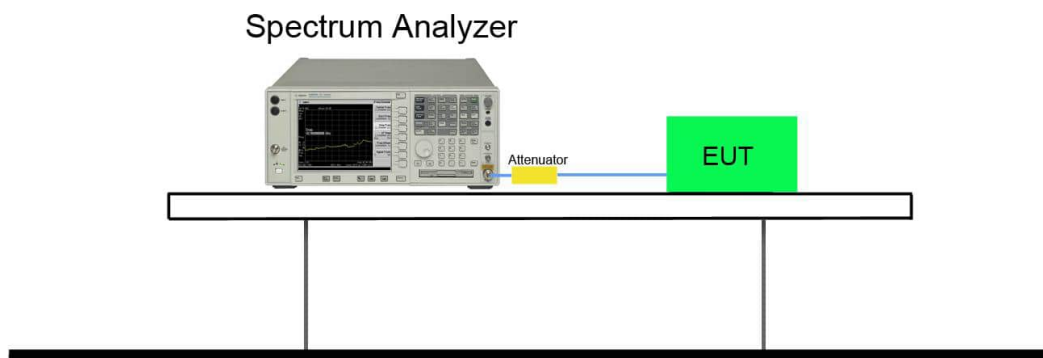
7.6.2. Test Procedure Used

KDB 789033 D02v02r01 - Section F

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,
4. RBW = 100 kHz
5. VBW = 3MHz
6. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
7. Detector = power averaging (Average)
8. Sweep time = auto
9. Trigger = free run
10. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
11. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
12. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 7$ dB to the measured result

7.6.4. Test Setup



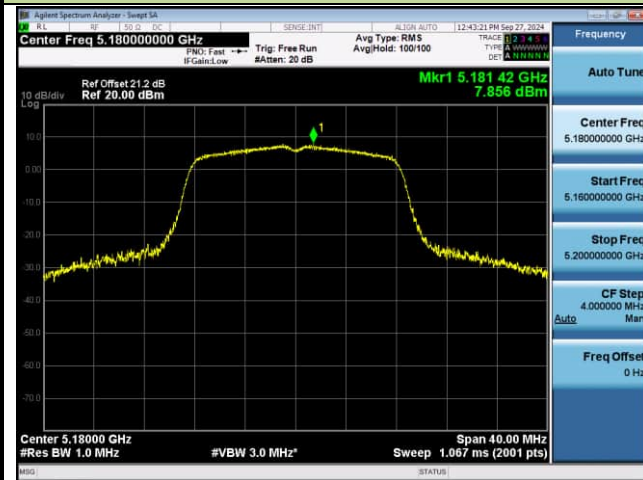
7.6.5. Test Result

Product	Industry Inspection Device	Test Engineer	Fran
Test Site	SR6	Test Date	2024/9/27
Mode	Power Spectral Density (U-NII- 1) CDD Mode		

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm/MHz)	Result
TX- 802.11a_Band1	36	5180	7.856	$\leq 11\text{dBm/MHz}$	Pass
	44	5220	6.859	$\leq 11\text{dBm/MHz}$	Pass
	48	5240	6.482	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11a_Band4	149	5745	3.749	$\leq 30\text{dBm/500kHz}$	Pass
	157	5785	4.286	$\leq 30\text{dBm/500kHz}$	Pass
	165	5825	4.041	$\leq 30\text{dBm/500kHz}$	Pass
TX- 802.11n-HT20_Band1	36	5180	5.791	$\leq 11\text{dBm/MHz}$	Pass
	44	5220	5.578	$\leq 11\text{dBm/MHz}$	Pass
	48	5240	5.762	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT20_Band4	149	5745	3.423	$\leq 30\text{dBm/500kHz}$	Pass
	157	5785	3.360	$\leq 30\text{dBm/500kHz}$	Pass
	165	5825	2.869	$\leq 30\text{dBm/500kHz}$	Pass
TX- 802.11n-HT40_Band1	38	5190	3.116	$\leq 11\text{dBm/MHz}$	Pass
	46	5230	2.767	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT40_Band4	151	5755	0.240	$\leq 30\text{dBm/500kHz}$	Pass
	159	5795	0.131	$\leq 30\text{dBm/500kHz}$	Pass
TX- 802.11ac-VHT80_Band1	42	5210	-1.901	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11ac-VHT80_Band4	155	5775	-4.300	$\leq 30\text{dBm/500kHz}$	Pass

802.11a Power Spectral Density

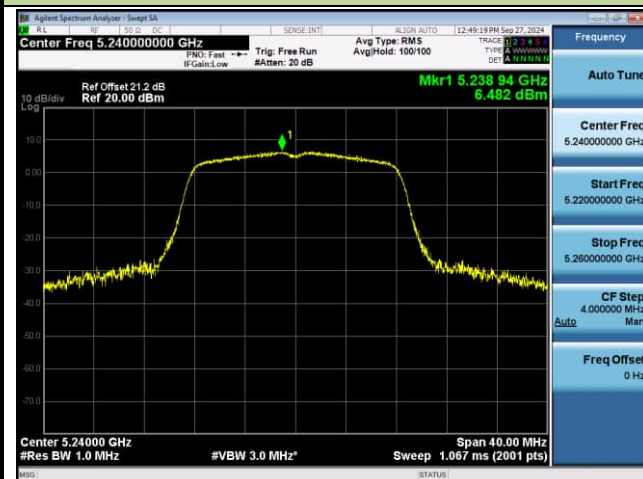
Channel 36 (5180MHz)



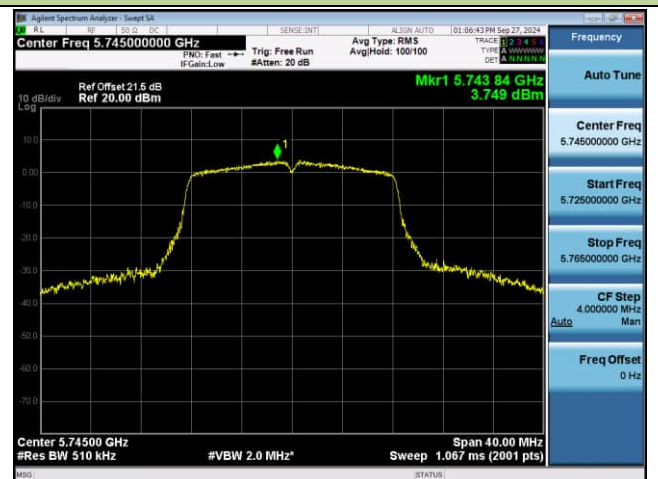
Channel 44 (5220MHz)



Channel 48 (5240MHz)



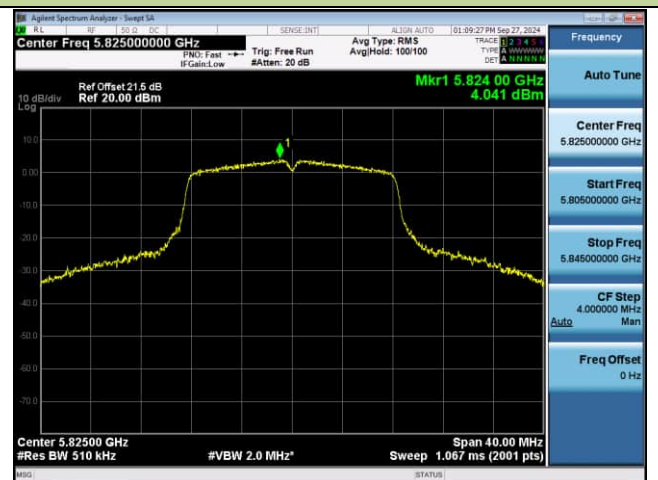
Channel 149 (5745MHz)



Channel 157 (5785MHz)

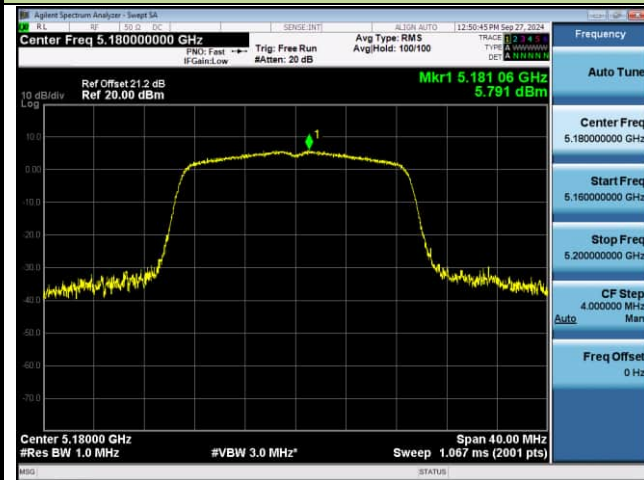


Channel 165 (5825MHz)

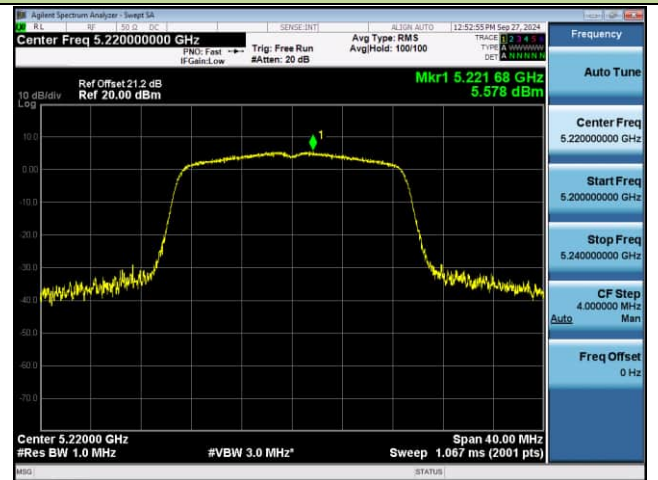


802.11n-HT20 Power Spectral Density

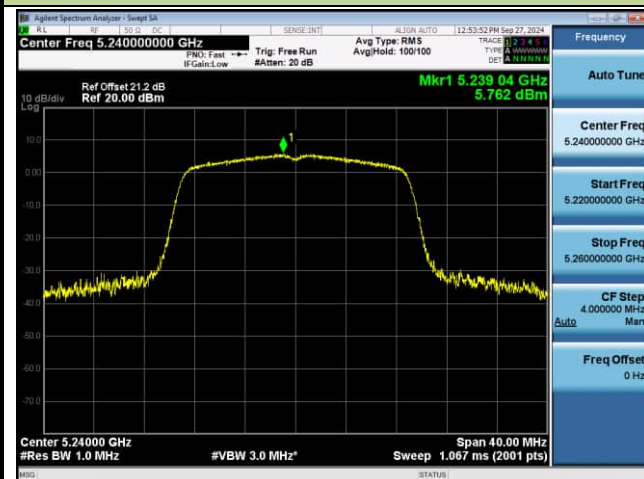
Channel 36 (5180MHz)



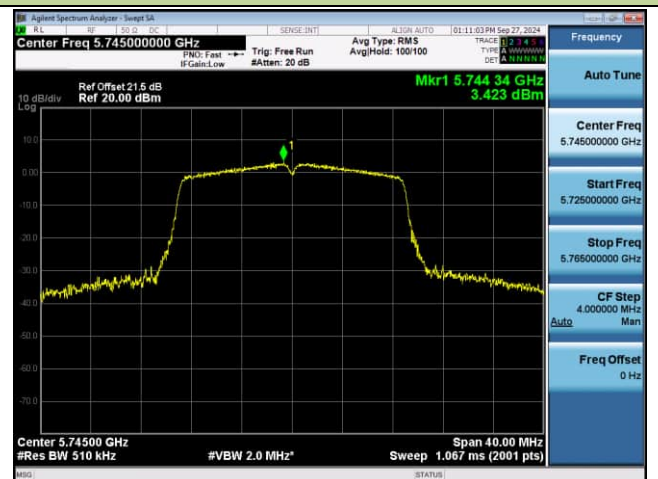
Channel 44 (5220MHz)



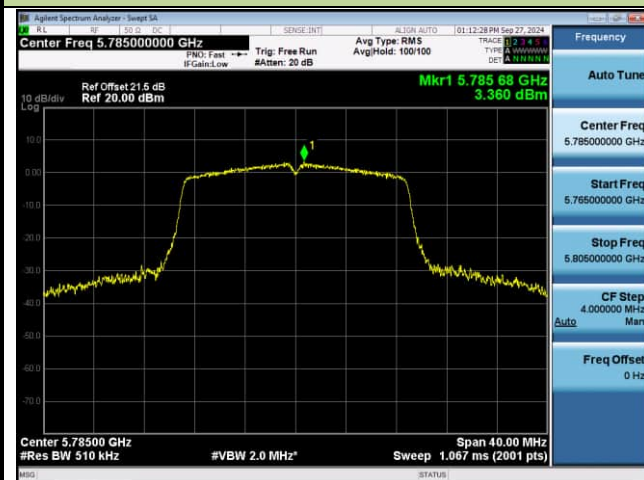
Channel 48 (5240MHz)



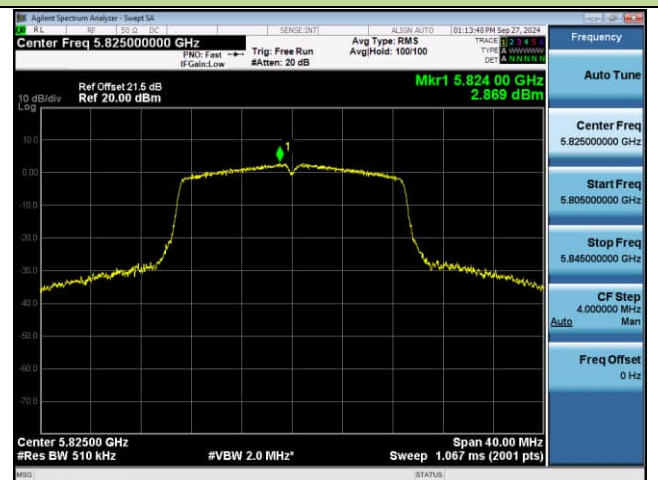
Channel 149 (5745MHz)



Channel 157 (5785MHz)

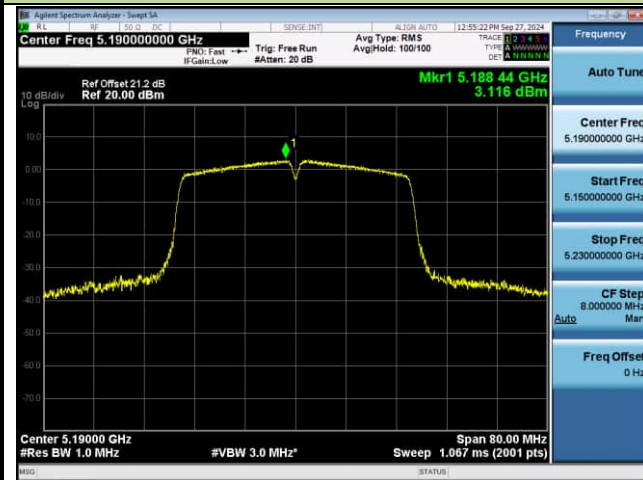


Channel 165 (5825MHz)

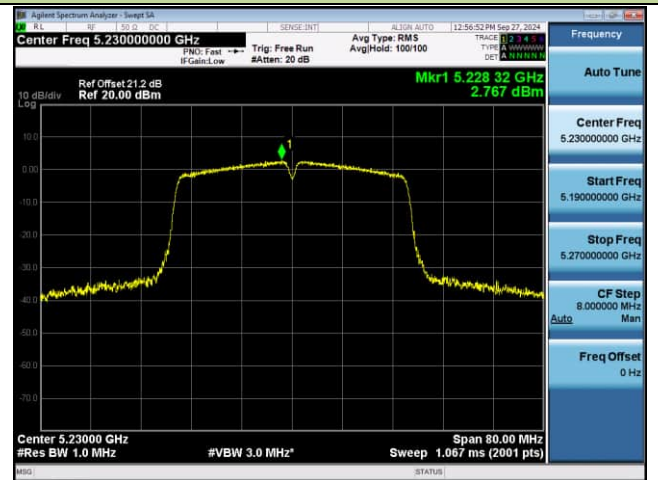


802.11n-HT40 Power Spectral Density

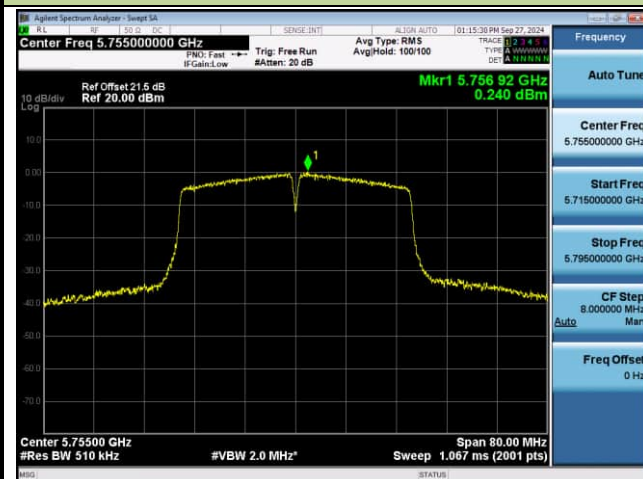
Channel 38 (5190MHz)



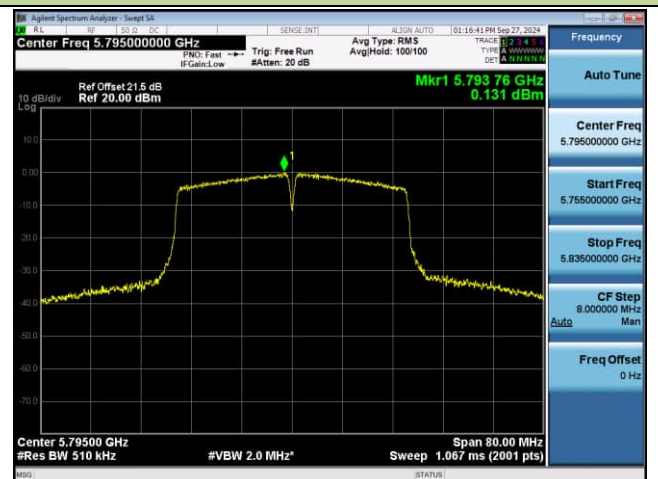
Channel 46 (5230MHz)



Channel 151 (5755MHz)

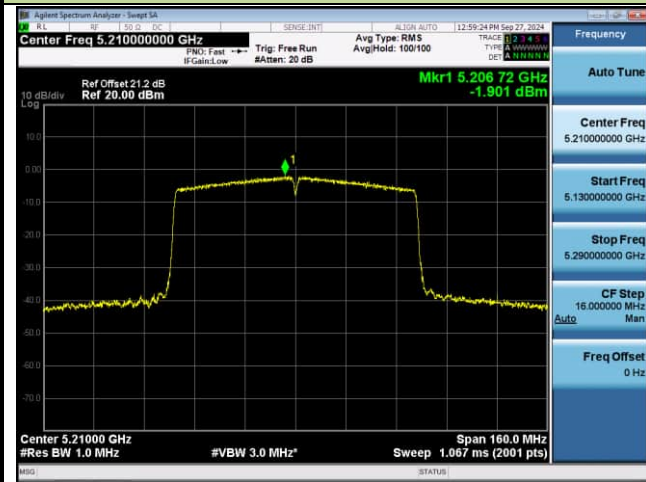


Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density

Channel 42 (5210MHz)



Channel 155 (5775MHz)



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:

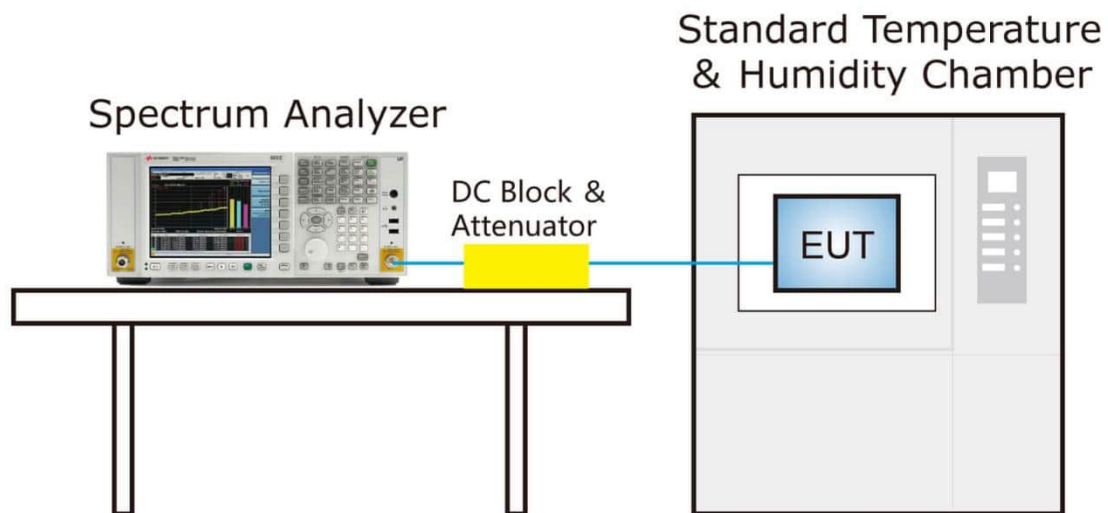
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

7.7.3. Test Setup



7.7.4. Test Result

Grantee ensure that the product meets e-CFR Title 47 section 15.407(g) and KDB 789033 D02v02r01 frequency stability such that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

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 47 CFR must not exceed the limits shown in Table per Section 15.209.

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

7.8.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.8.3. 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

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 = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

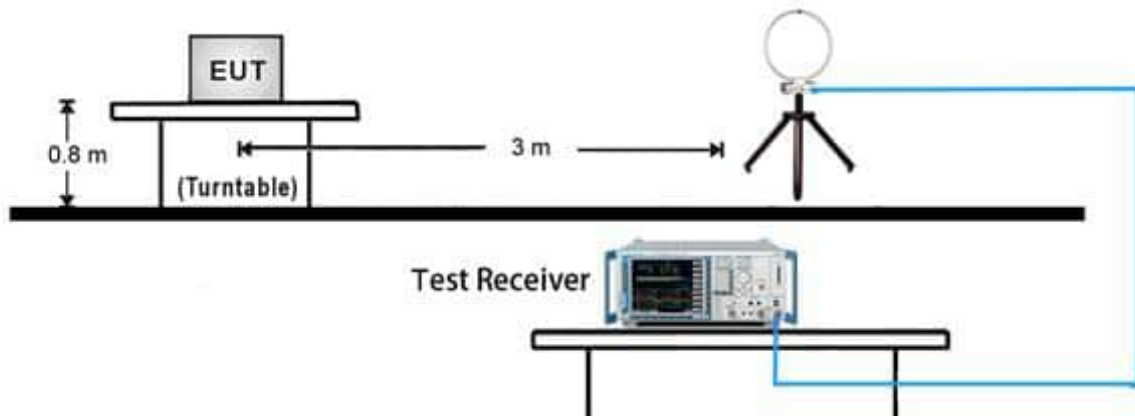
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

Quasi-Peak & Average Measurements below 30MHz

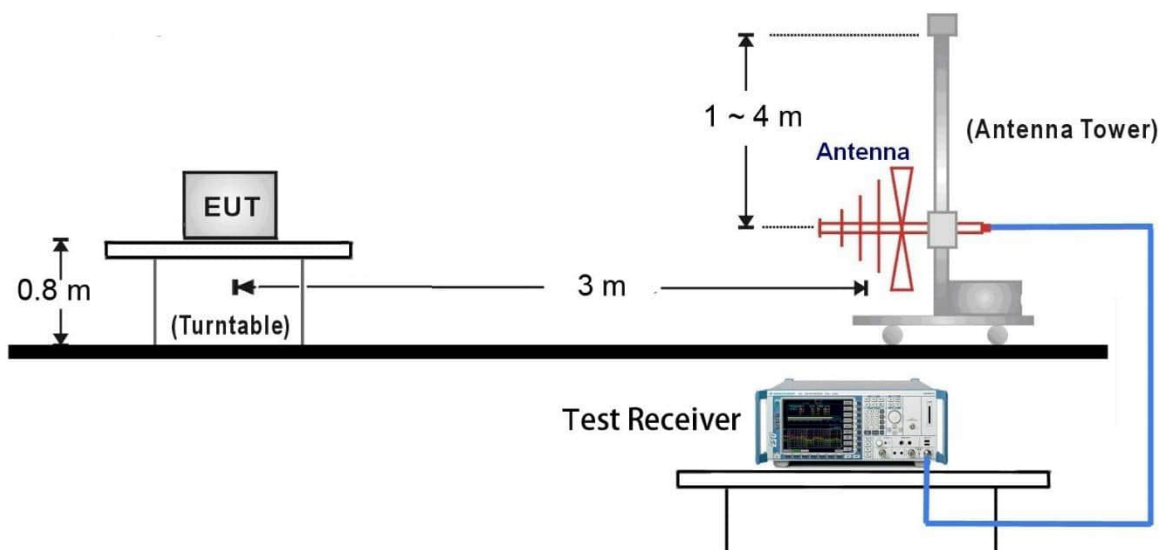
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

7.8.4. Test Setup

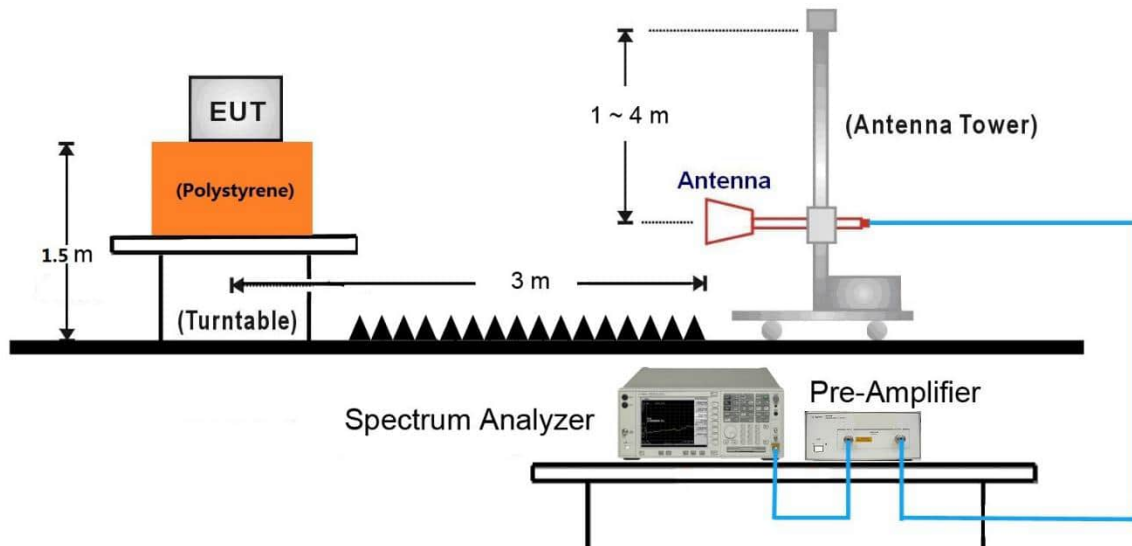
9kHz ~ 30MHz Test Setup:



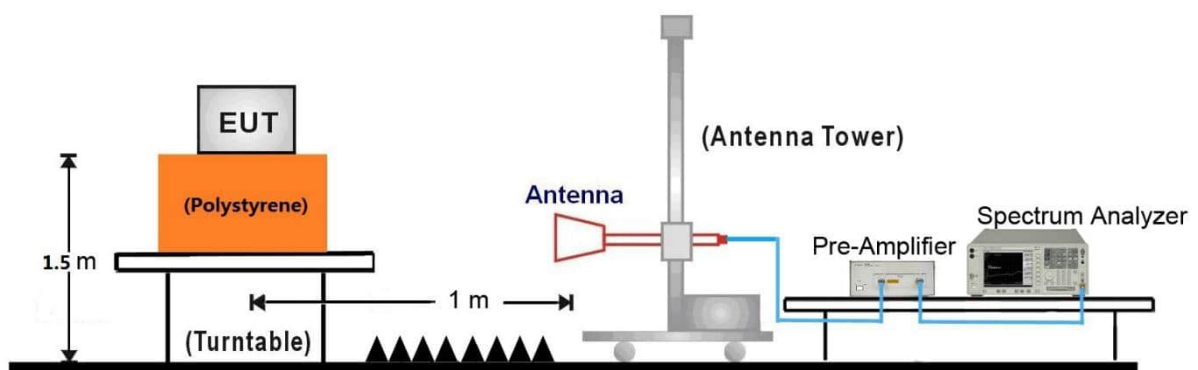
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

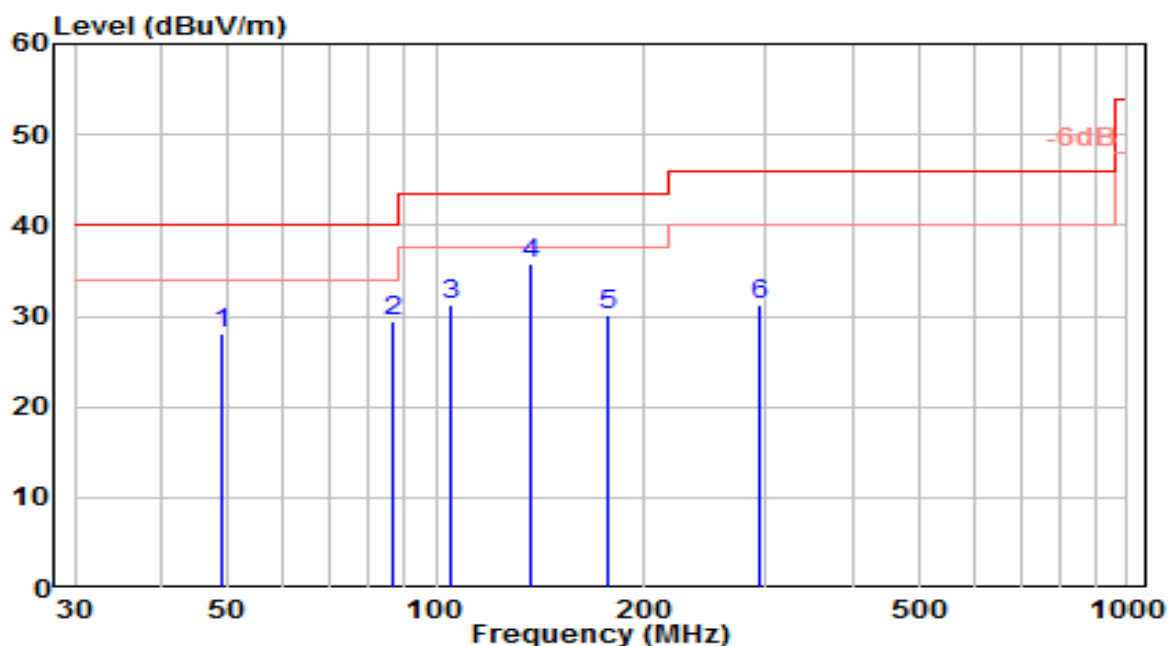


18GHz ~40GHz Test Setup:



7.8.5. Test Result

EUT	Mobile Inspection Assistant	Date of Test	2024-09-12
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

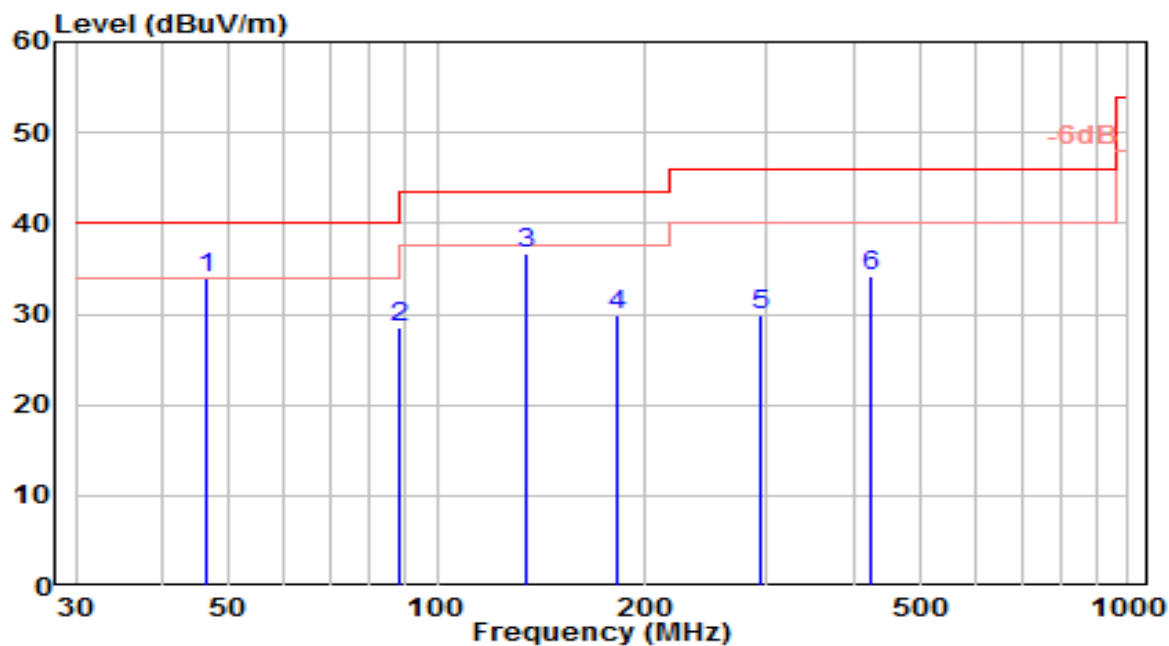


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	49.022	7.54	20.55	28.10	-11.90	40.00	150	260	QP
2	86.952	13.32	16.02	29.34	-10.66	40.00	150	50	QP
3	105.160	12.67	18.51	31.18	-12.32	43.50	100	10	QP
4	* 137.645	20.77	14.98	35.75	-7.75	43.50	150	90	QP
5	176.737	13.81	16.32	30.13	-13.37	43.50	150	30	QP
6	292.705	10.59	20.66	31.25	-14.75	46.00	100	30	QP

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-12
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

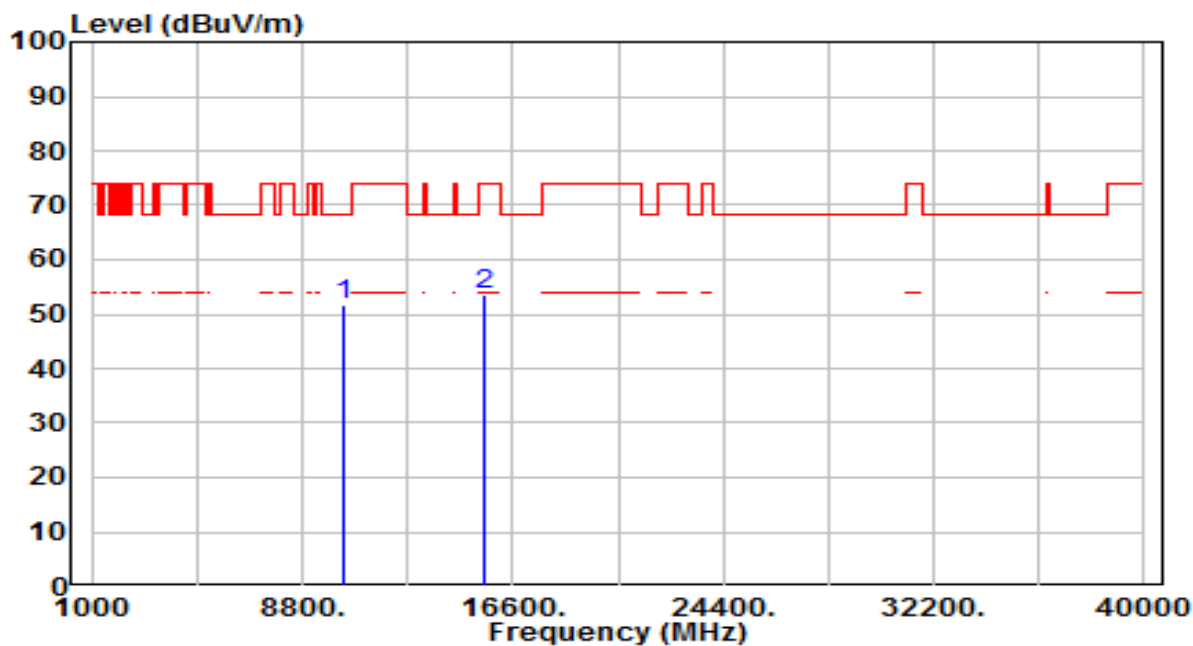


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	46.233	13.27	20.60	33.87	-6.13	40.00	100	360	QP
2		88.452	12.02	16.48	28.50	-15.00	43.50	100	355	QP
3		134.003	21.54	15.19	36.73	-6.77	43.50	100	5	QP
4		182.793	13.00	16.81	29.80	-13.70	43.50	100	30	QP
5		294.879	9.18	20.69	29.86	-16.14	46.00	150	200	QP
6		425.396	10.28	23.86	34.14	-11.86	46.00	150	290	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

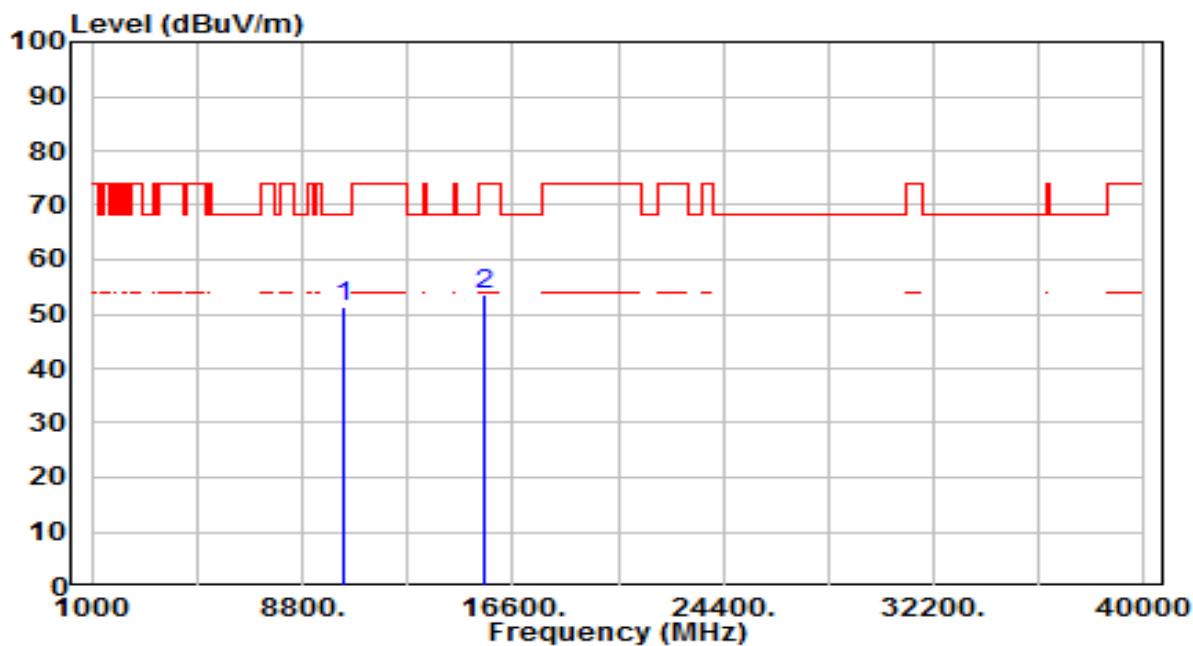


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	33.71	17.87	51.58	-16.62	68.20	100	360	Peak
2	15540.000	32.41	21.14	53.56	-20.44	74.00	100	289	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

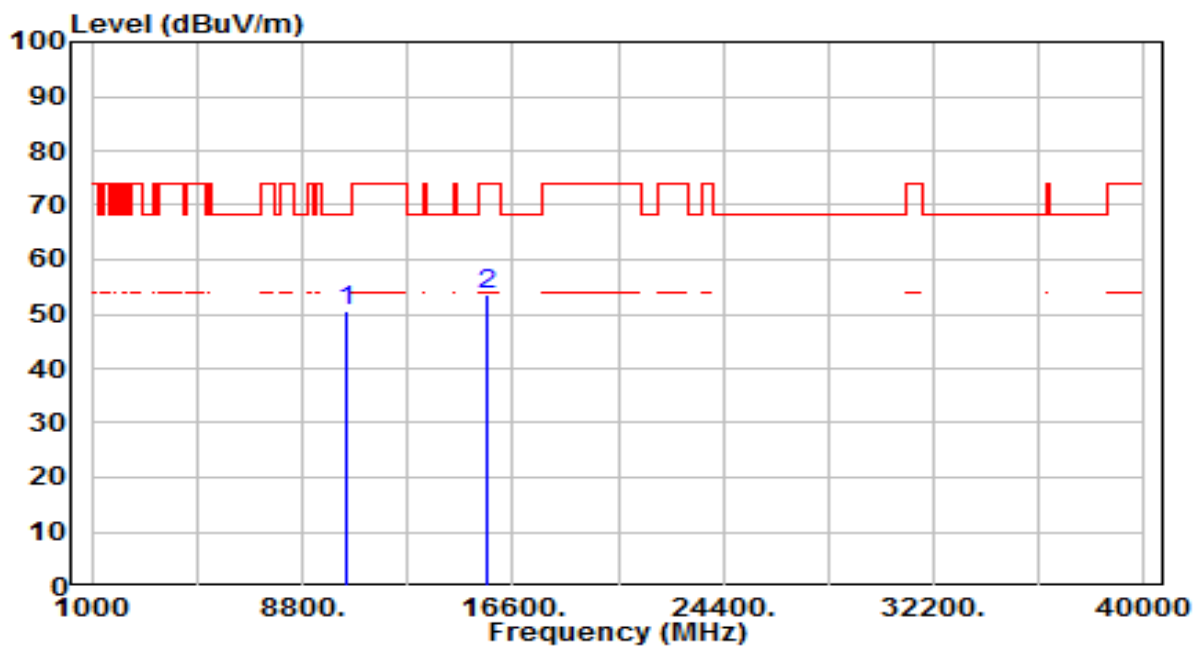


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	33.58	17.87	51.45	-16.75	68.20	100	227	Peak
2	15540.000	32.47	21.14	53.62	-20.38	74.00	100	47	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

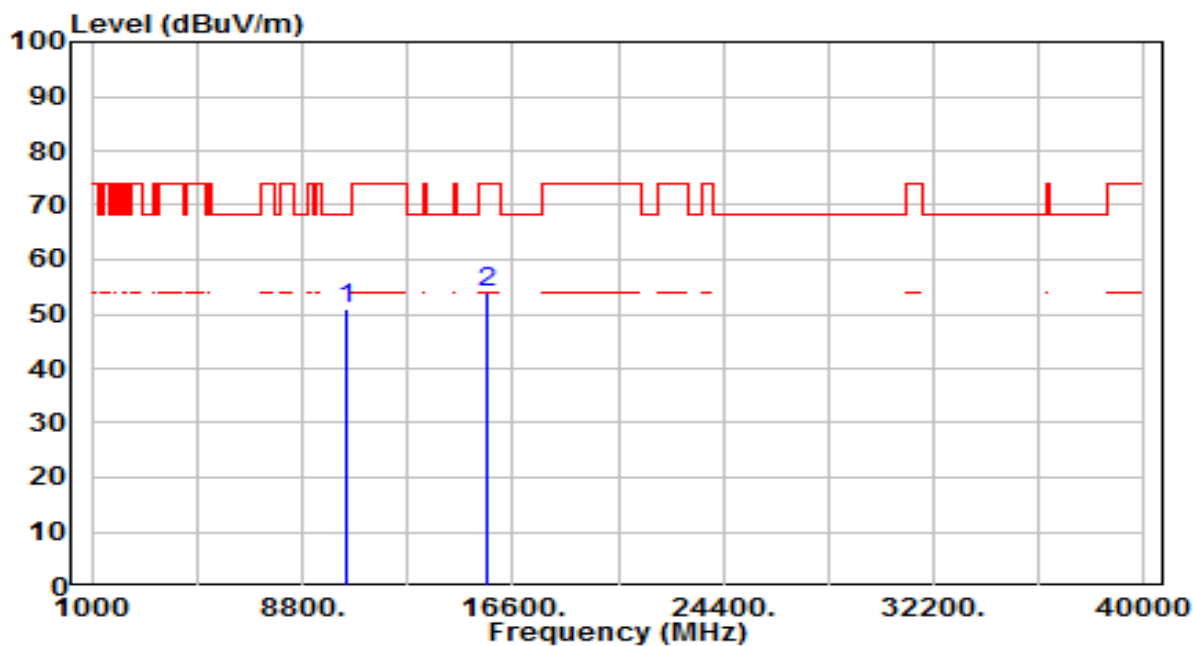


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	32.55	18.19	50.75	-17.45	68.20	100	202	Peak
2	15660.000	32.99	20.78	53.77	-20.23	74.00	100	165	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

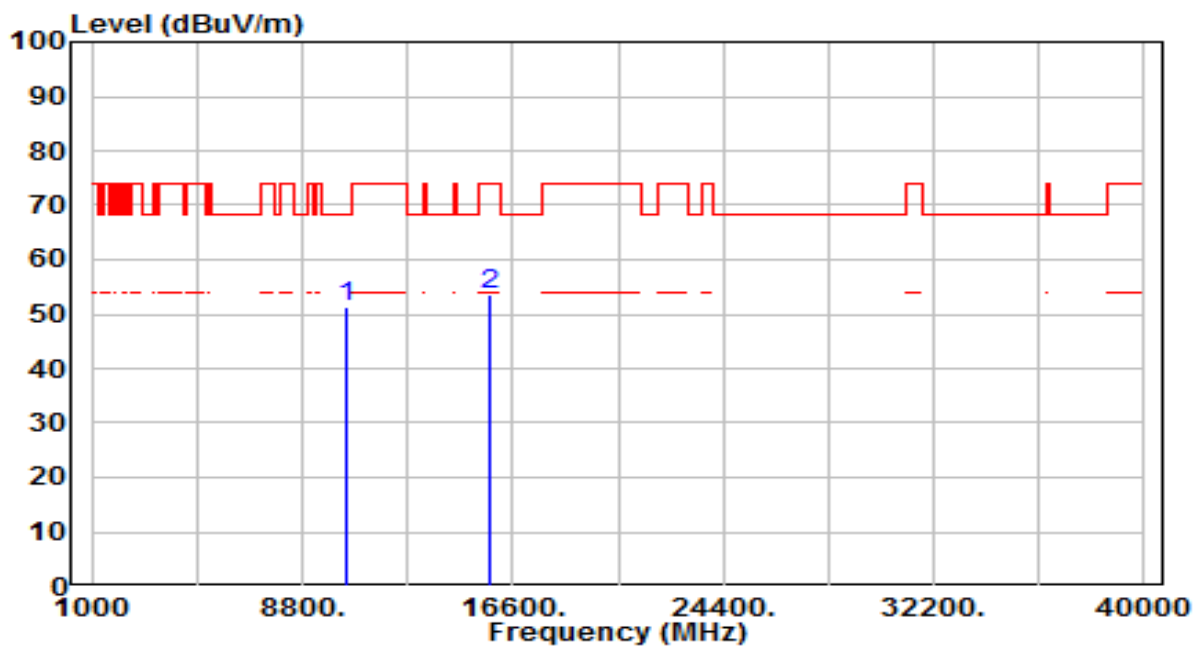


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	32.92	18.19	51.11	-17.09	68.20	100	83	Peak
2		15660.000	33.03	20.78	53.80	-20.20	74.00	100	65	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 120V/60Hz

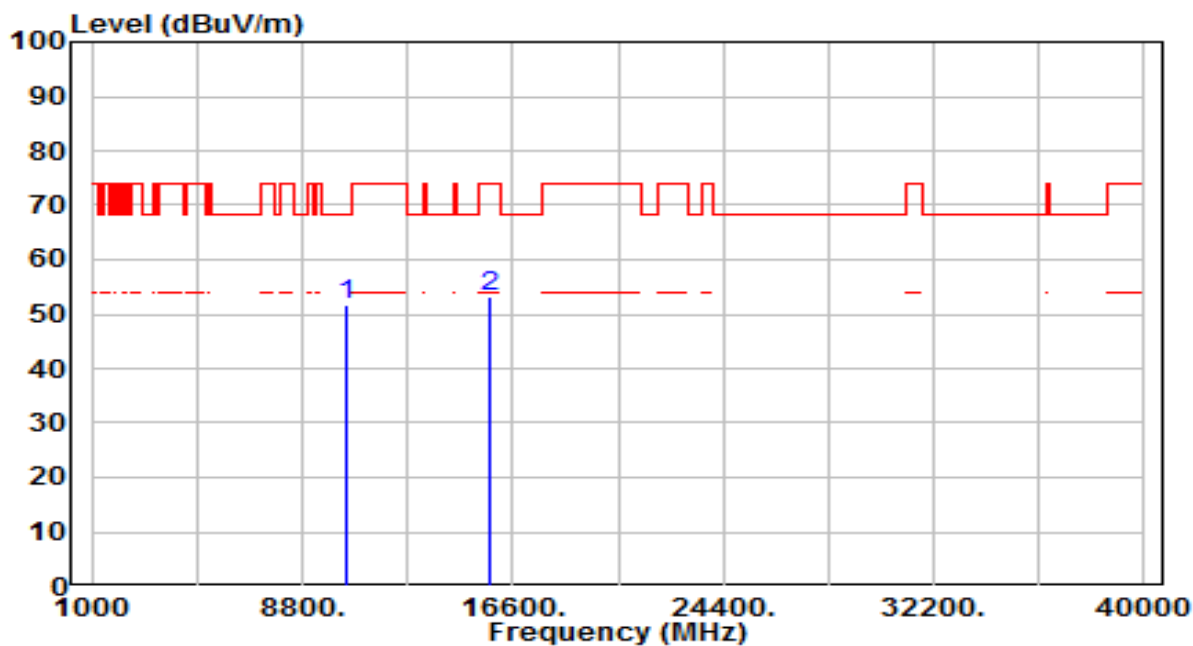


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	32.95	18.35	51.31	-16.89	68.20	100	283	Peak
2	15720.000	32.93	20.59	53.52	-20.48	74.00	100	177	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 120V/60Hz

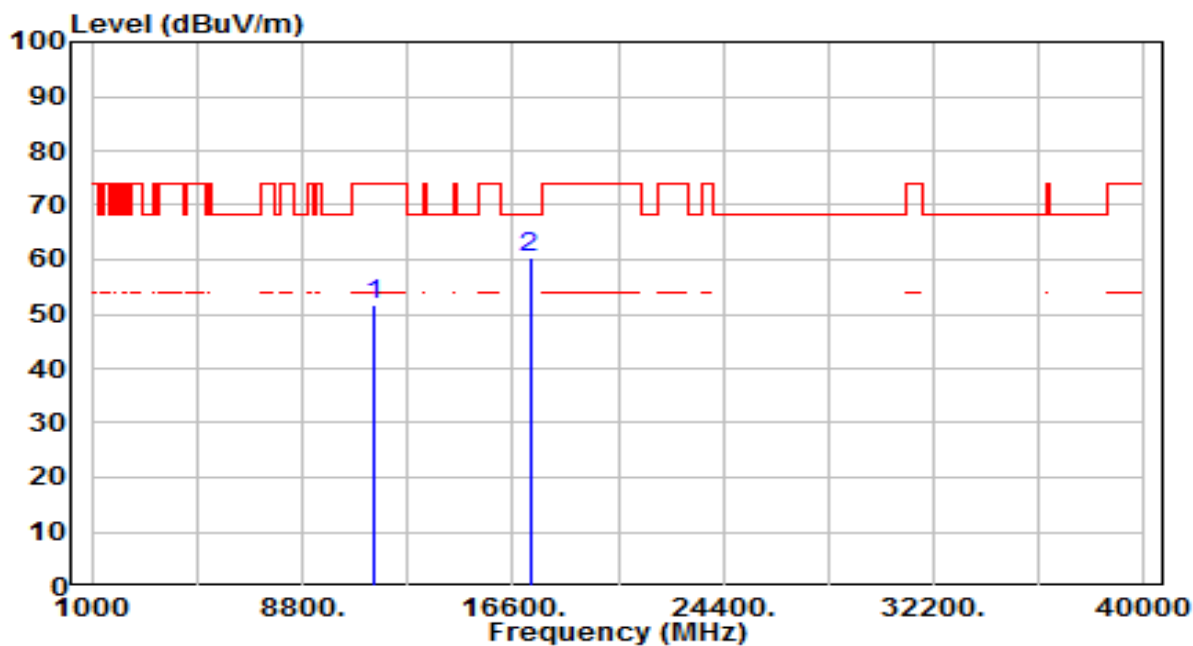


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	33.28	18.35	51.64	-16.56	68.20	100	158	Peak
2	15720.000	32.49	20.59	53.08	-20.92	74.00	100	168	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

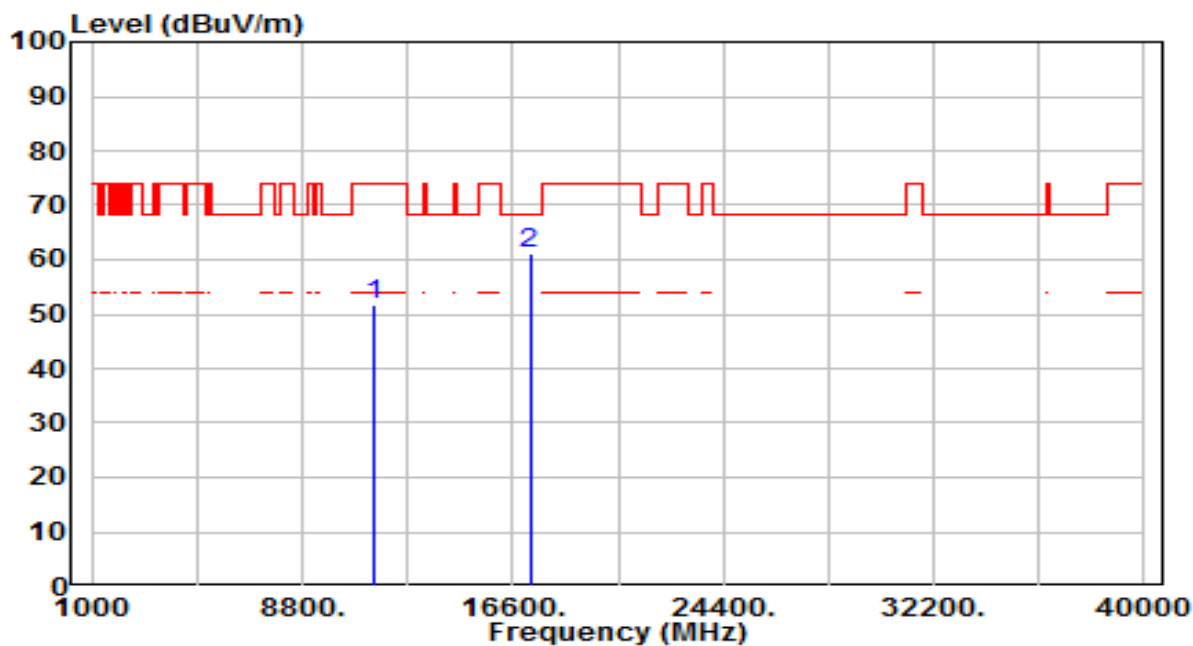


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.99	19.83	51.82	-22.18	74.00	100	239	Peak
2	* 17235.000	34.70	25.76	60.47	-7.73	68.20	100	174	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

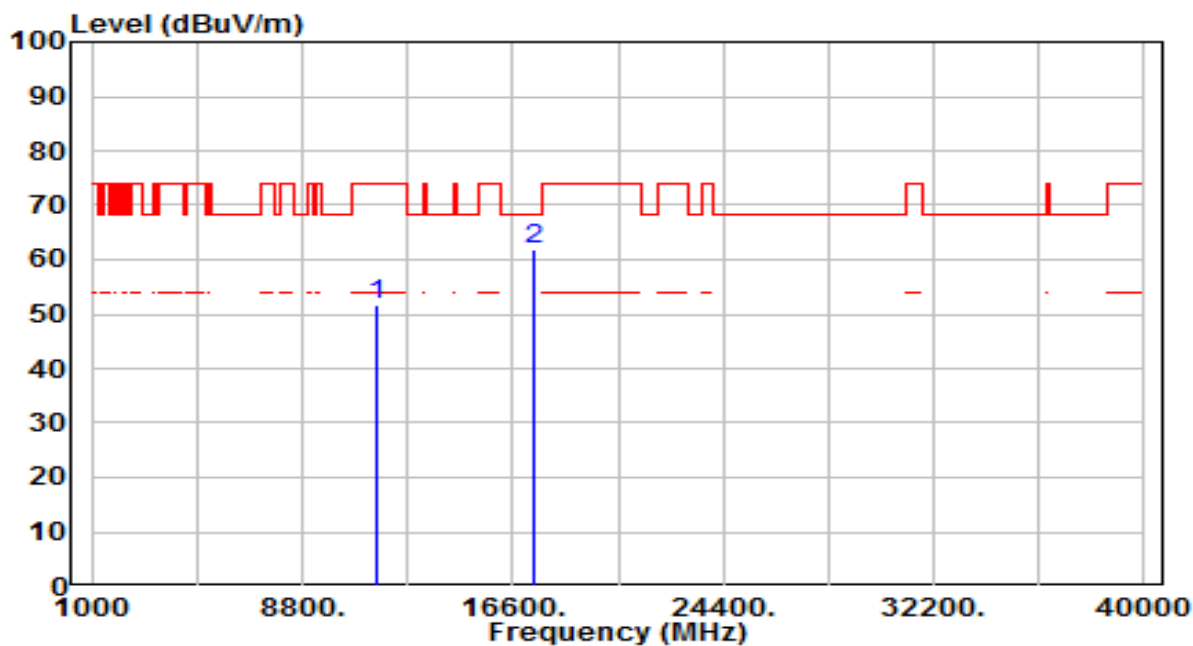


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.85	19.83	51.68	-22.32	74.00	100	355	Peak
2	* 17235.000	35.29	25.76	61.05	-7.15	68.20	100	177	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	AC 120V/60Hz

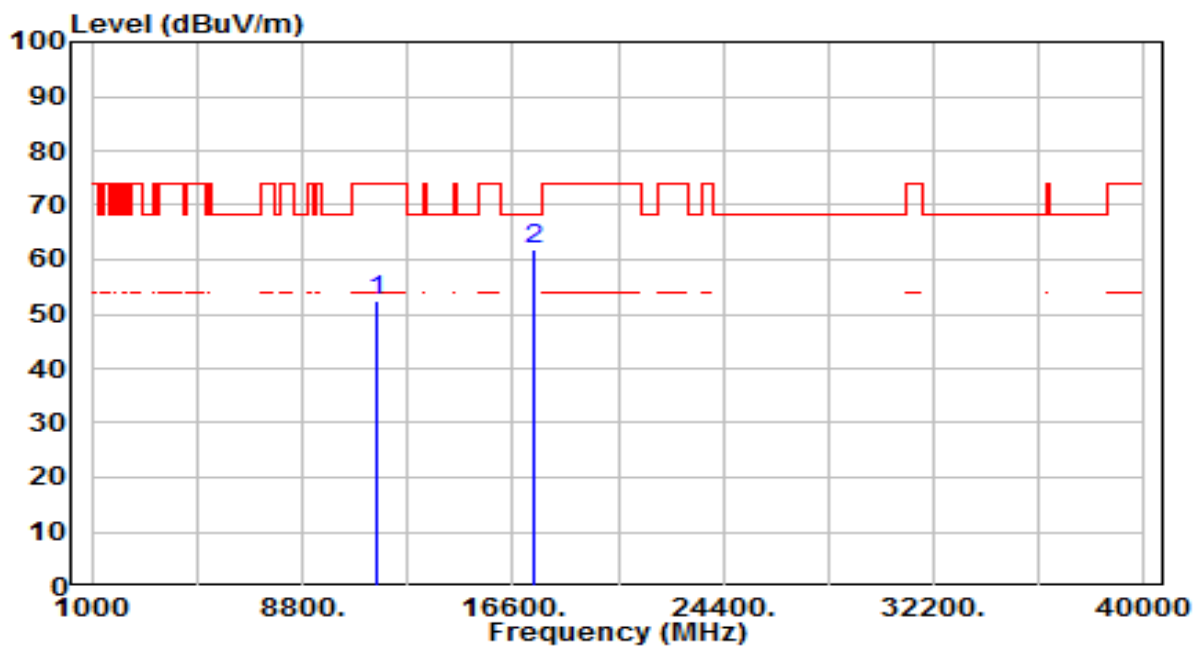


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	31.94	19.72	51.66	-22.34	74.00	100	160	Peak
2	* 17355.000	35.25	26.65	61.90	-6.30	68.20	100	106	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	AC 120V/60Hz

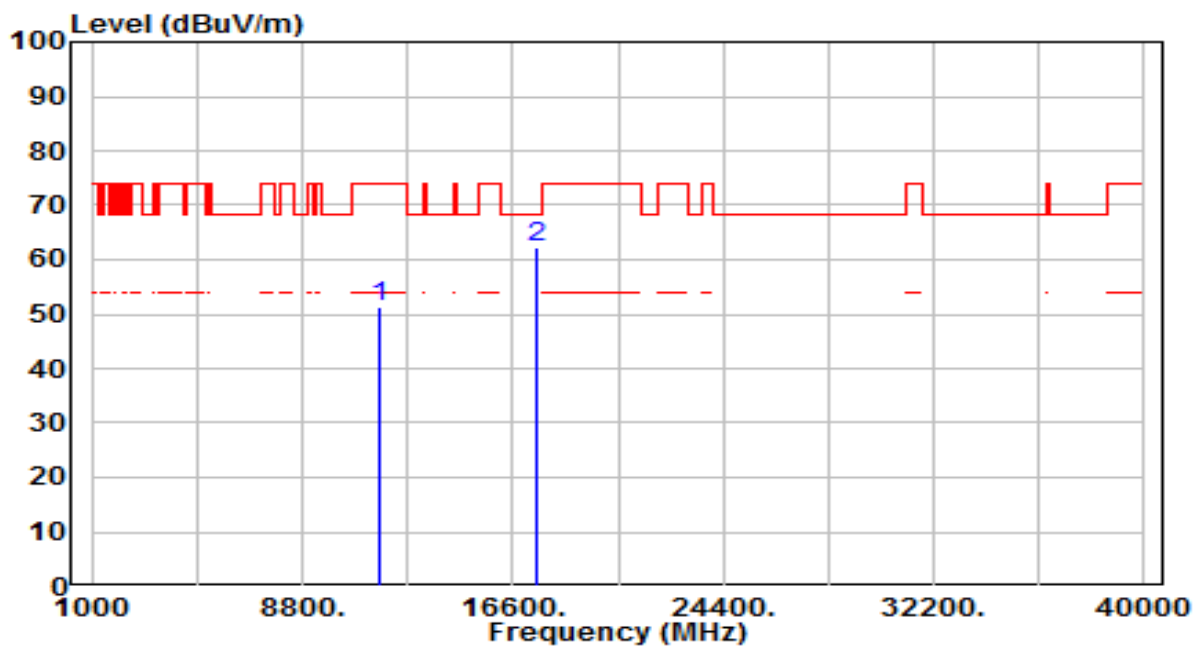


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	32.69	19.72	52.41	-21.59	74.00	100	5	Peak
2	* 17355.000	35.40	26.65	62.05	-6.15	68.20	100	113	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

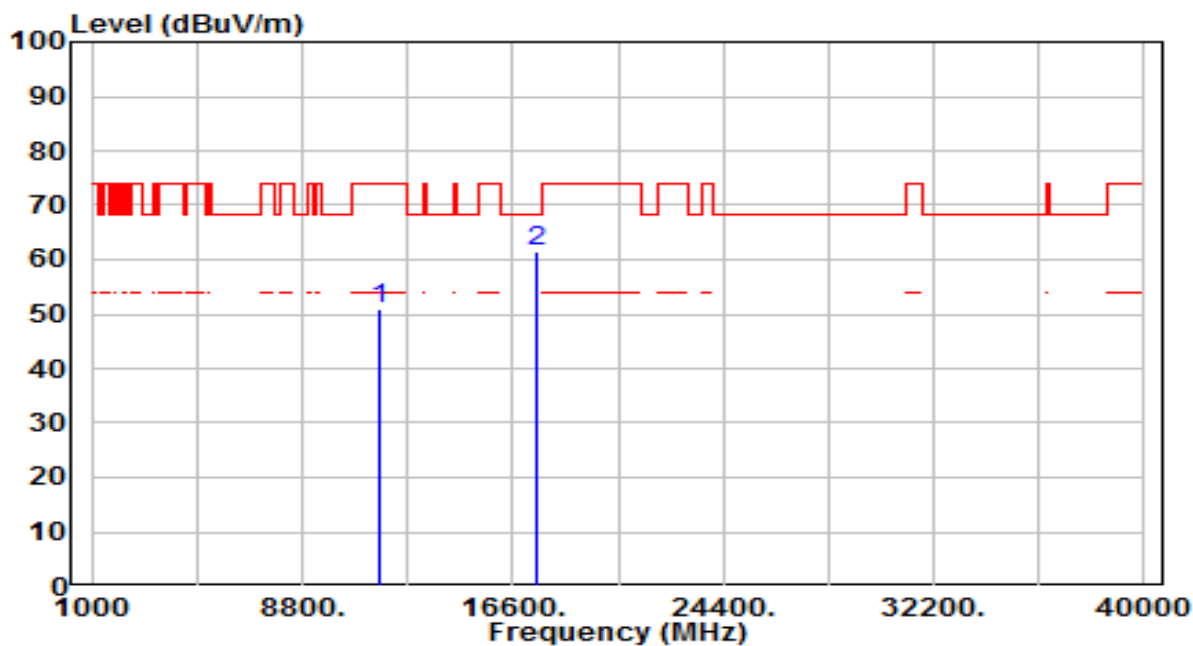


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	31.76	19.57	51.33	-22.67	74.00	100	207	Peak
2	* 17475.000	34.62	27.54	62.17	-6.03	68.20	100	272	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

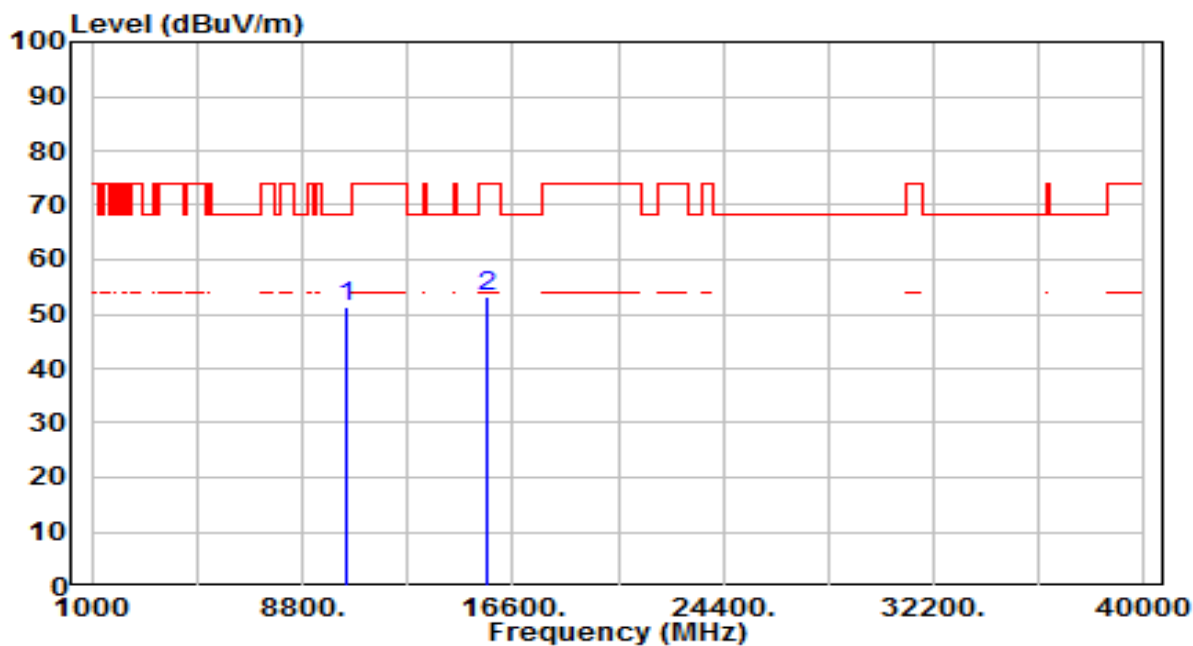


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	31.50	19.57	51.07	-22.93	74.00	100	295	Peak
2	* 17475.000	34.10	27.54	61.64	-6.56	68.20	100	221	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

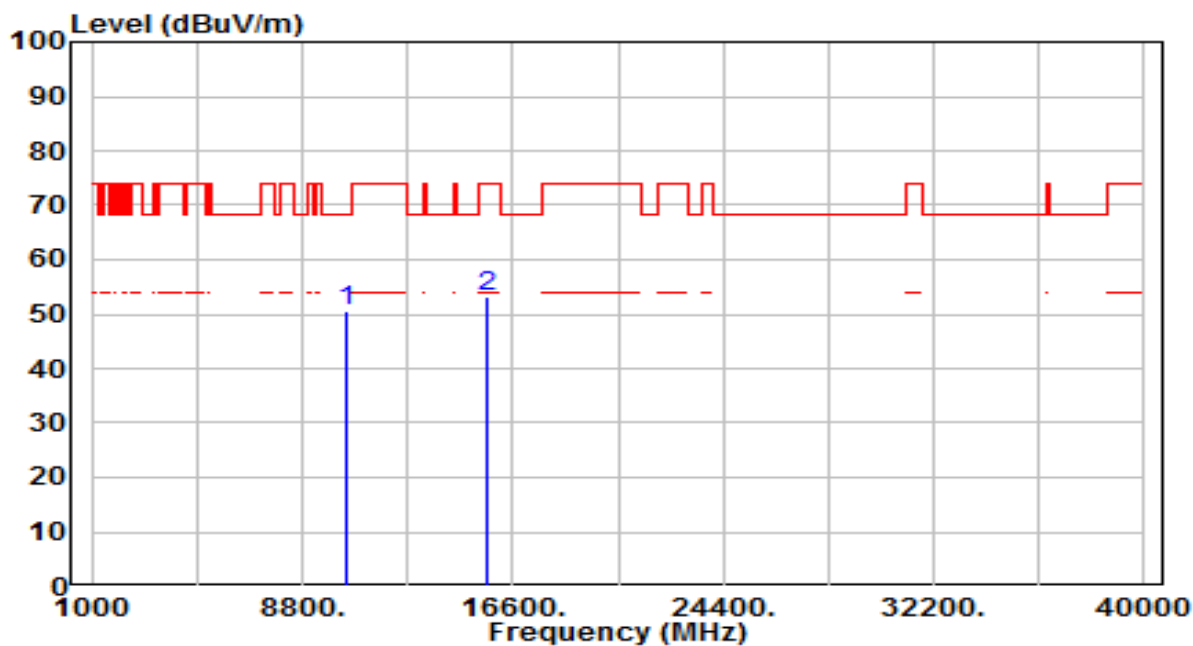


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10420.000	33.32	18.11	51.44	-16.76	68.20	100	227	Peak
2		15630.000	32.52	20.87	53.38	-20.62	74.00	100	52	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

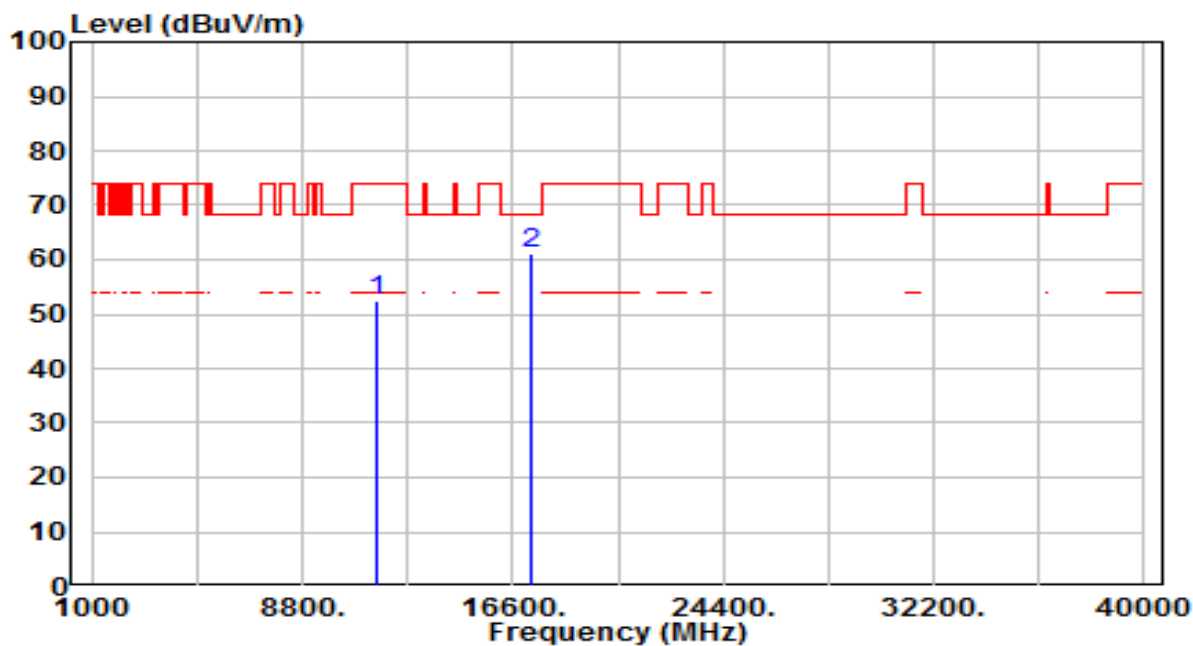


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10420.000	32.62	18.11	50.74	-17.46	68.20	100	128	Peak
2		15630.000	32.52	20.87	53.39	-20.61	74.00	100	14	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 120V/60Hz

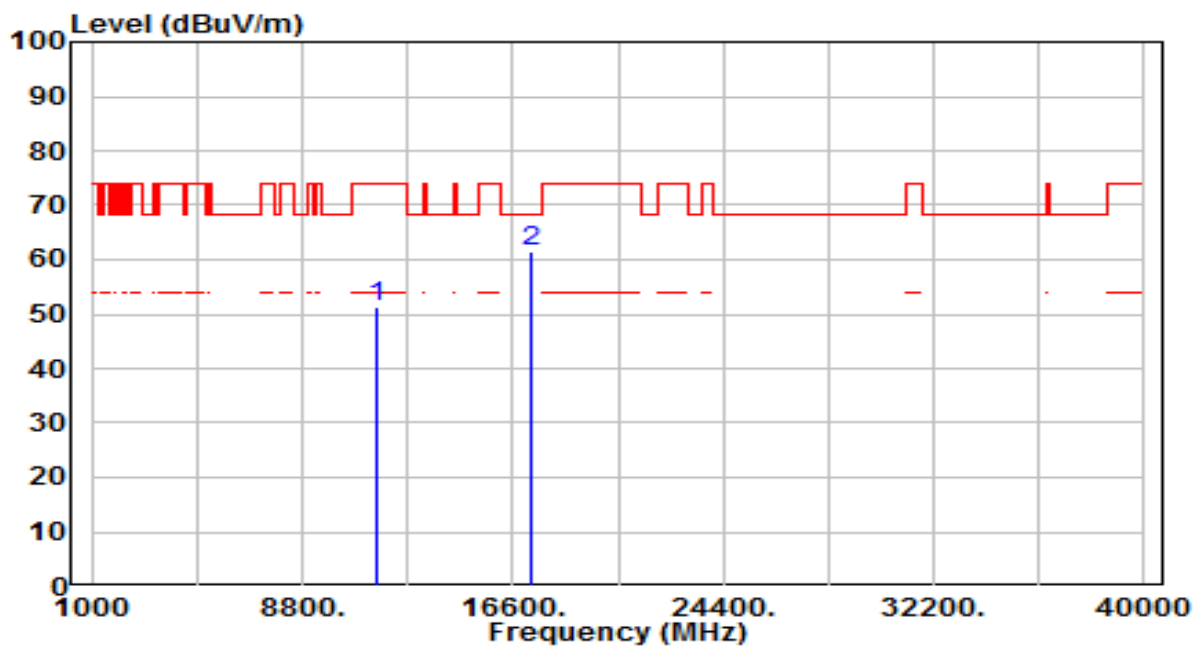


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11550.000	32.79	19.76	52.55	-21.45	74.00	100	49	Peak
2	* 17325.000	34.86	26.43	61.29	-6.91	68.20	100	93	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 120V/60Hz

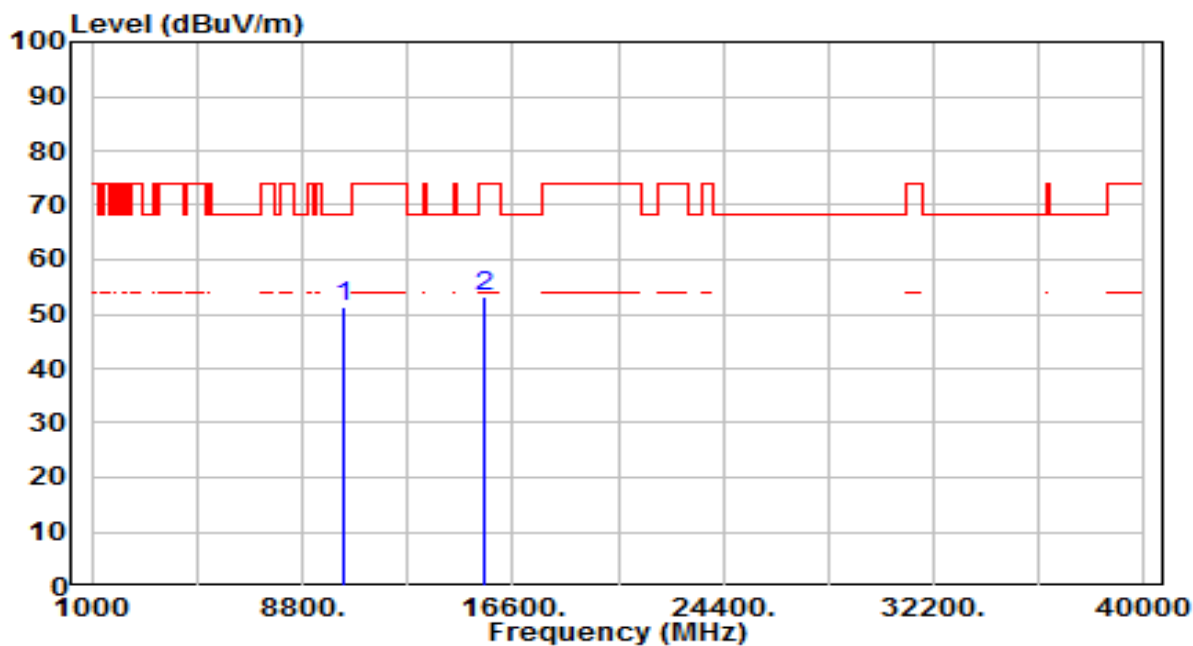


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11550.000	31.55	19.76	51.31	-22.69	74.00	100	35	Peak
2	* 17325.000	35.10	26.43	61.53	-6.67	68.20	100	254	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

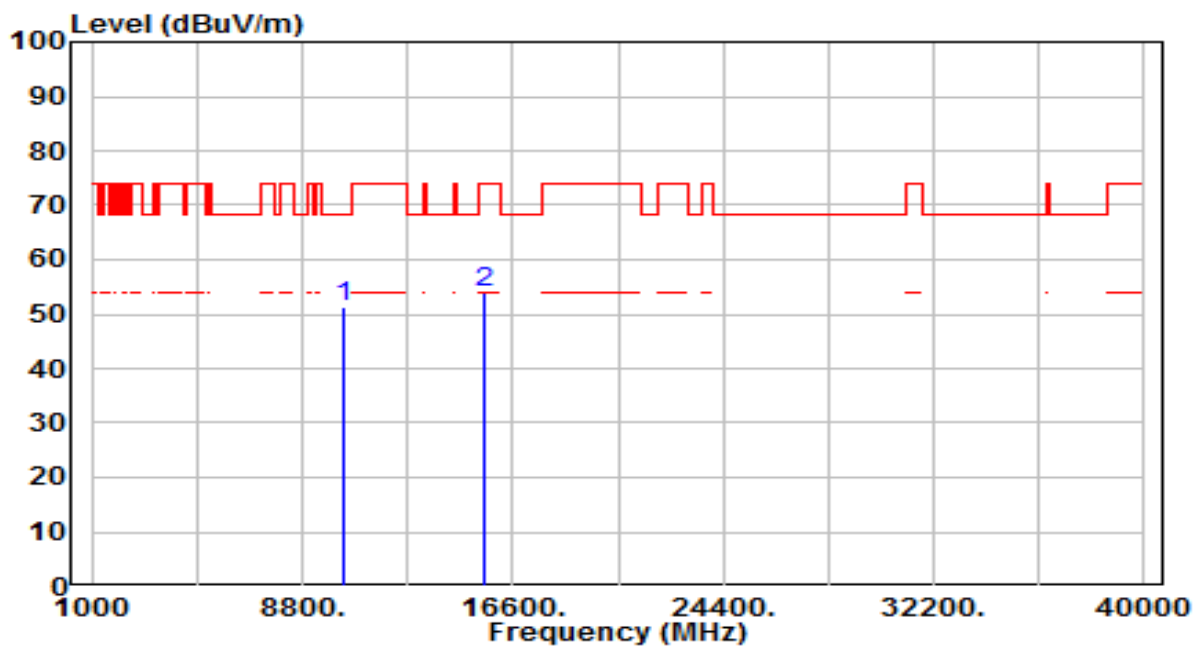


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	33.59	17.87	51.46	-16.74	68.20	100	0	Peak
2	15540.000	31.96	21.14	53.11	-20.89	74.00	100	290	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

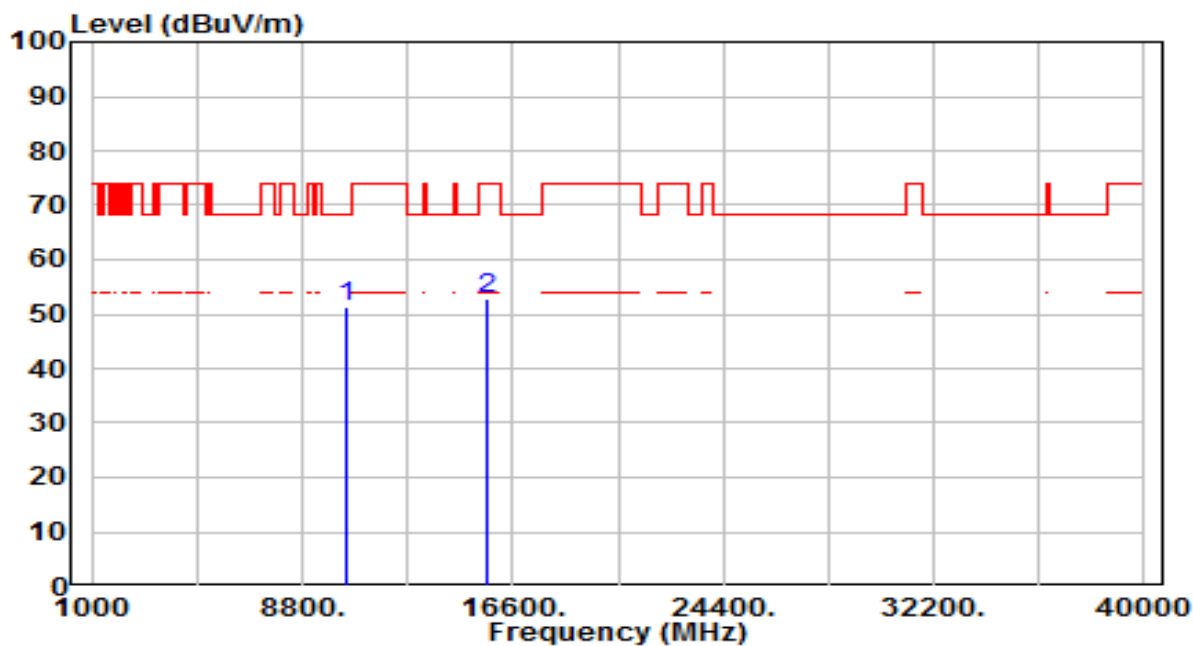


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	33.44	17.87	51.31	-16.89	68.20	100	226	Peak
2	15540.000	32.65	21.14	53.79	-20.21	74.00	100	219	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

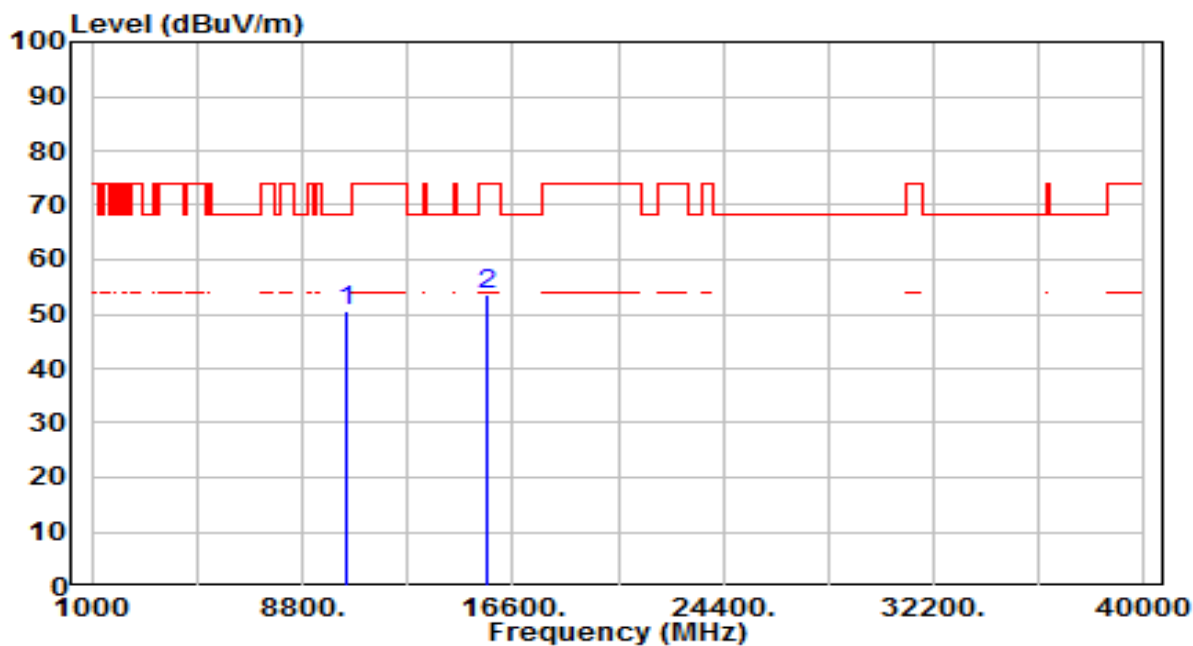


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	33.29	18.19	51.49	-16.71	68.20	100	209	Peak
2		15660.000	32.16	20.78	52.94	-21.06	74.00	100	45	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 120V/60Hz

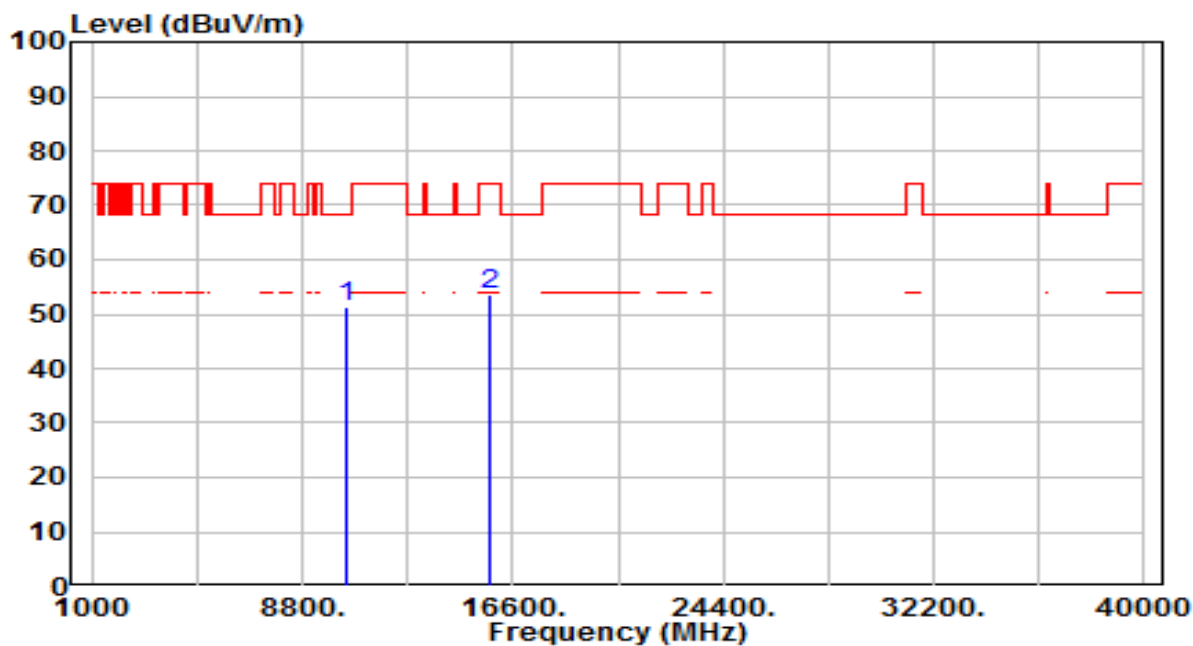


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	32.43	18.19	50.62	-17.58	68.20	100	304	Peak
2	15660.000	32.83	20.78	53.61	-20.39	74.00	100	231	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 120V/60Hz

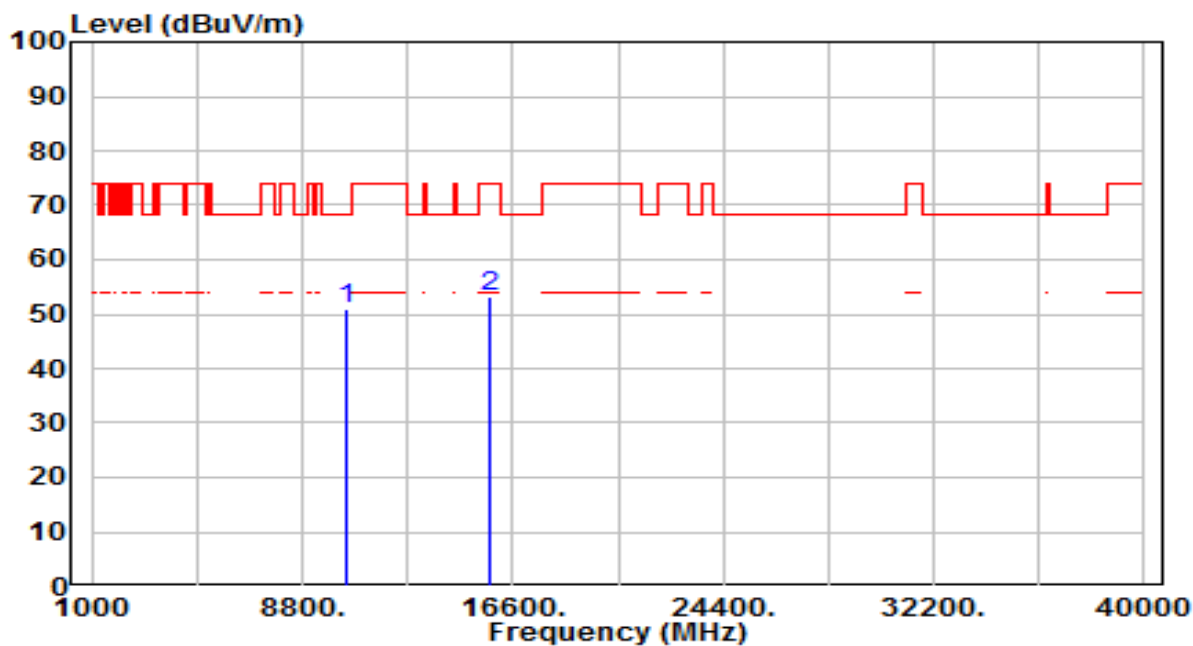


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	32.89	18.35	51.24	-16.96	68.20	100	328	Peak
2	15720.000	32.99	20.59	53.58	-20.42	74.00	100	300	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 120V/60Hz

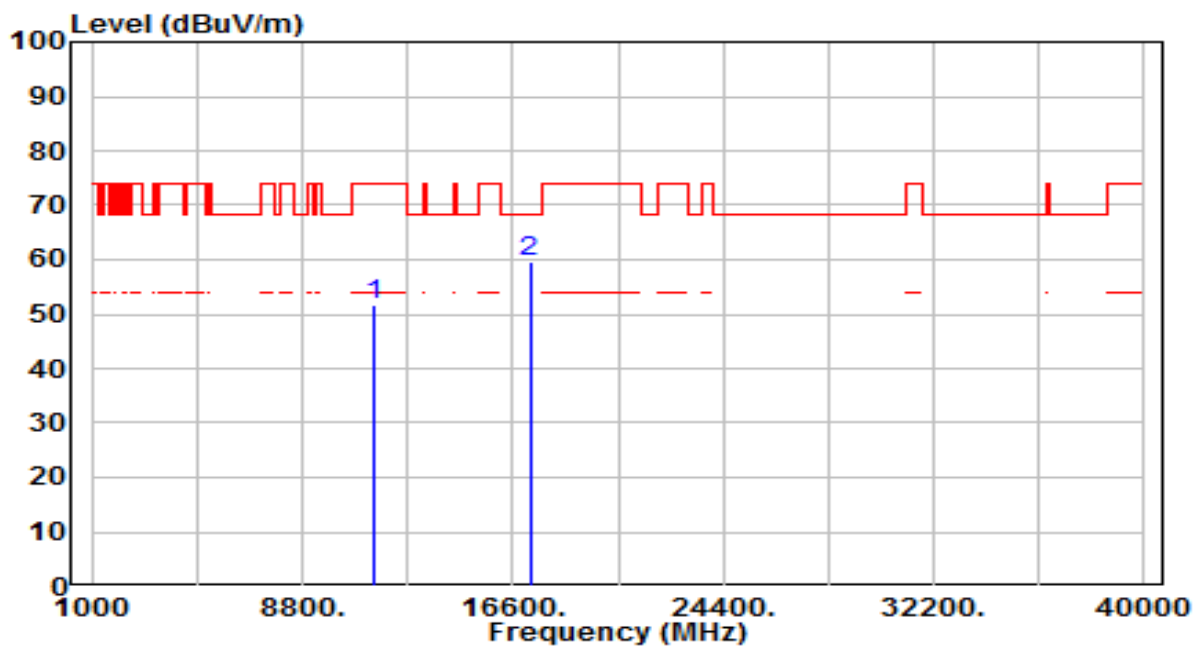


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	32.53	18.35	50.89	-17.31	68.20	100	26	Peak
2		15720.000	32.48	20.59	53.08	-20.92	74.00	100	76	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

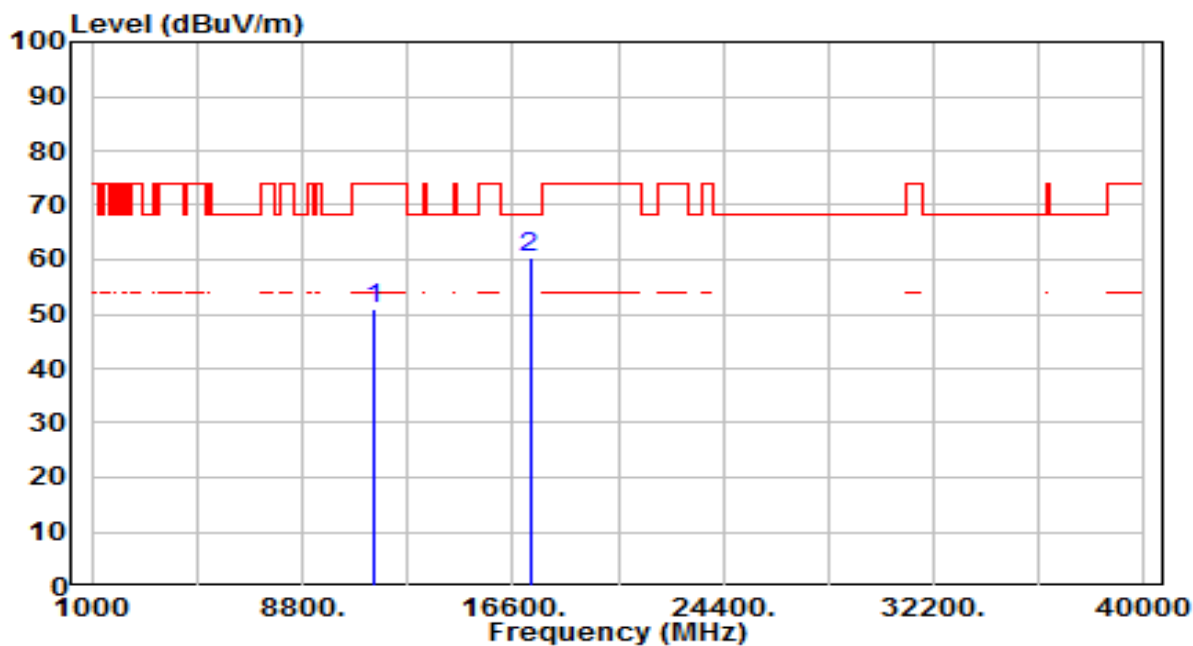


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.95	19.83	51.78	-22.22	74.00	100	194	Peak
2	* 17235.000	33.83	25.76	59.60	-8.60	68.20	100	280	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

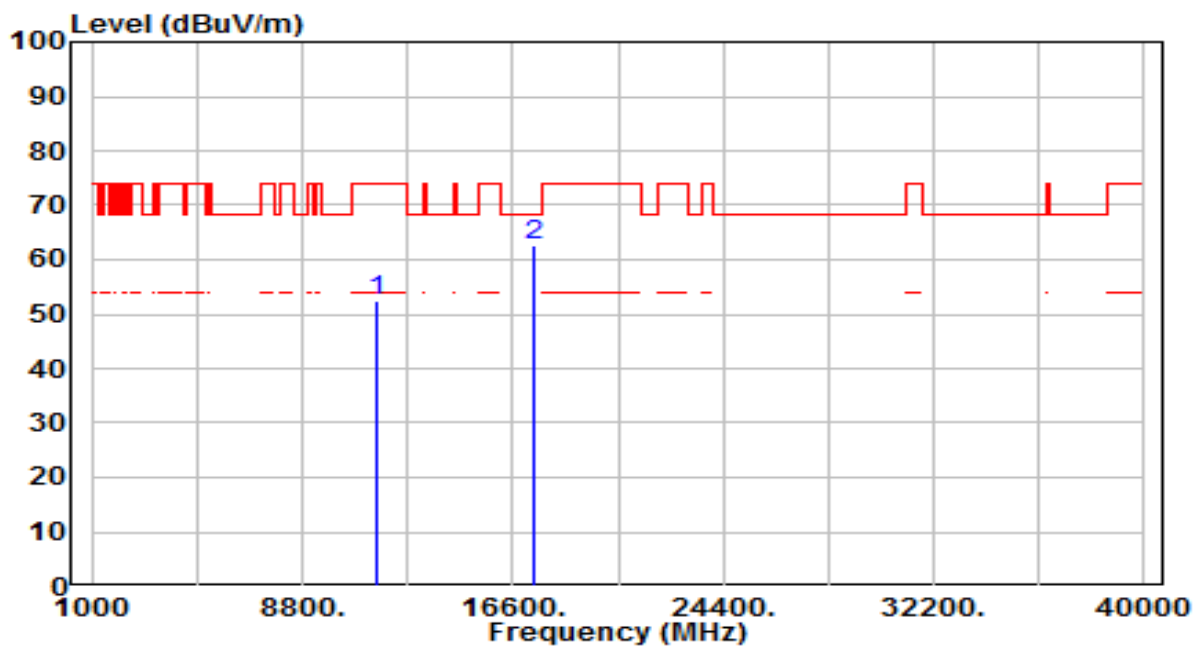


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.13	19.83	50.96	-23.04	74.00	100	61	Peak
2	* 17235.000	34.61	25.76	60.37	-7.83	68.20	100	155	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	AC 120V/60Hz

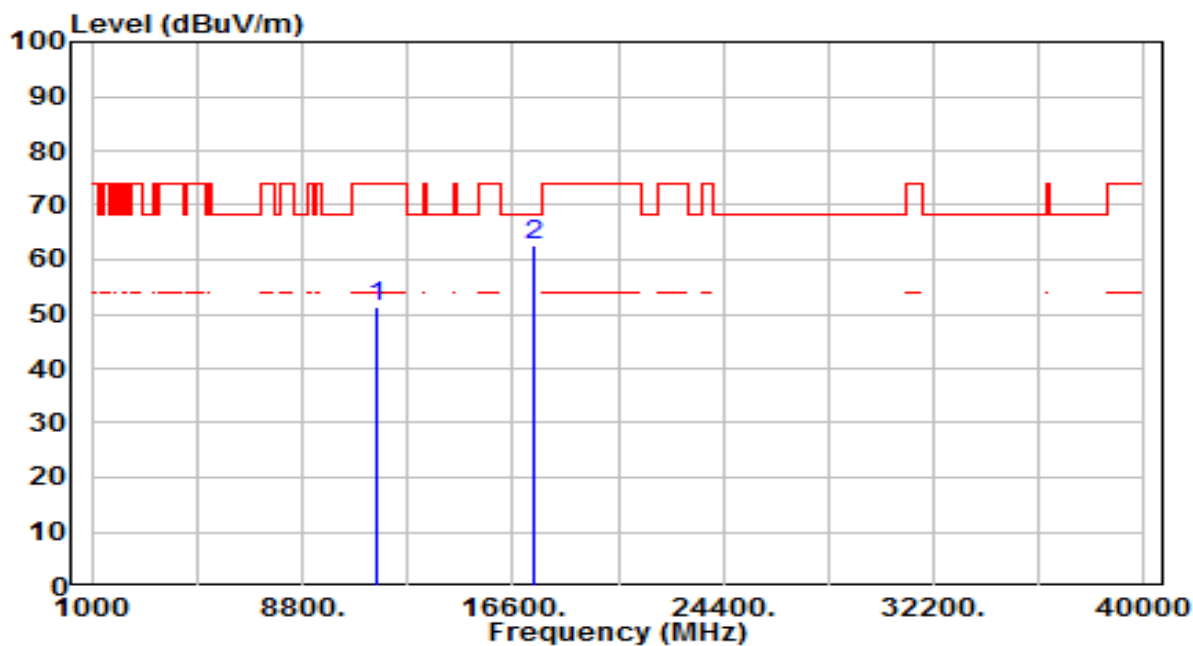


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	32.55	19.72	52.27	-21.73	74.00	100	192	Peak
2	* 17355.000	36.15	26.65	62.80	-5.40	68.20	100	259	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	AC 120V/60Hz

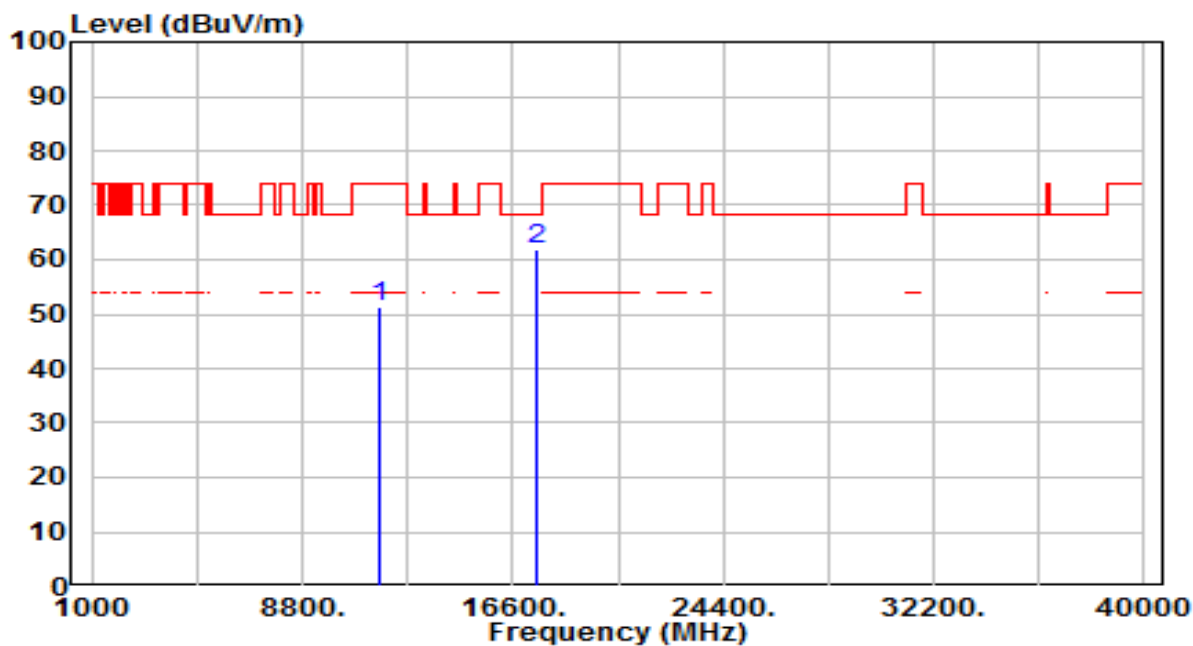


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	31.45	19.72	51.17	-22.83	74.00	100	219	Peak
2	* 17355.000	36.05	26.65	62.70	-5.50	68.20	100	330	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

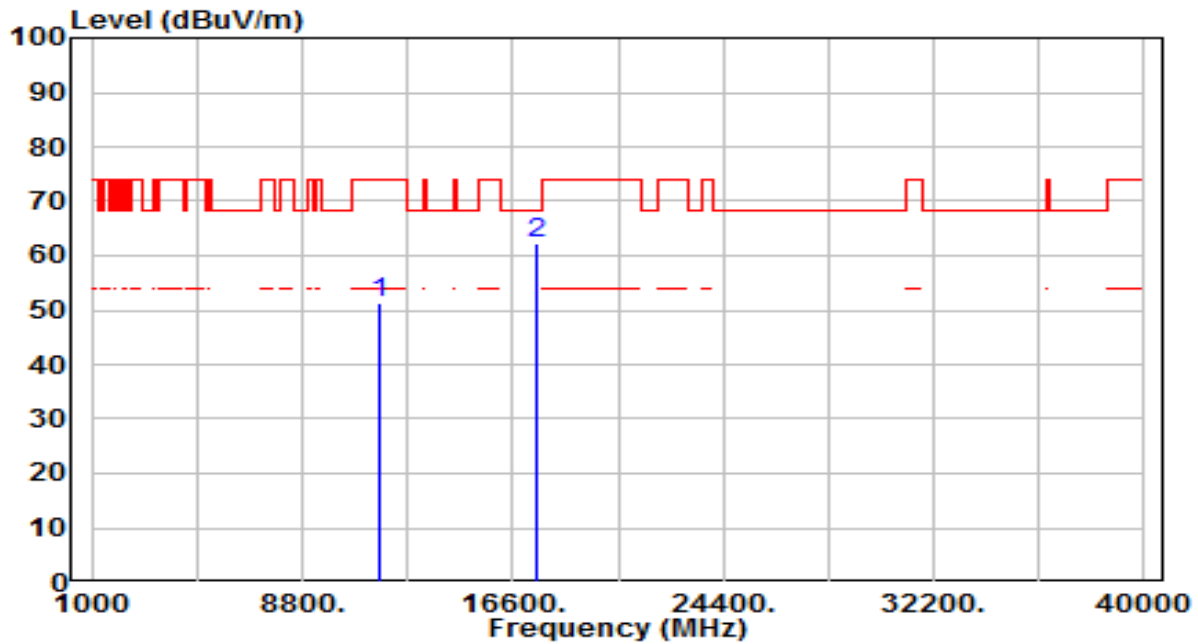


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	31.87	19.57	51.44	-22.56	74.00	100	71	Peak
2	* 17475.000	34.50	27.54	62.04	-6.16	68.20	100	239	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

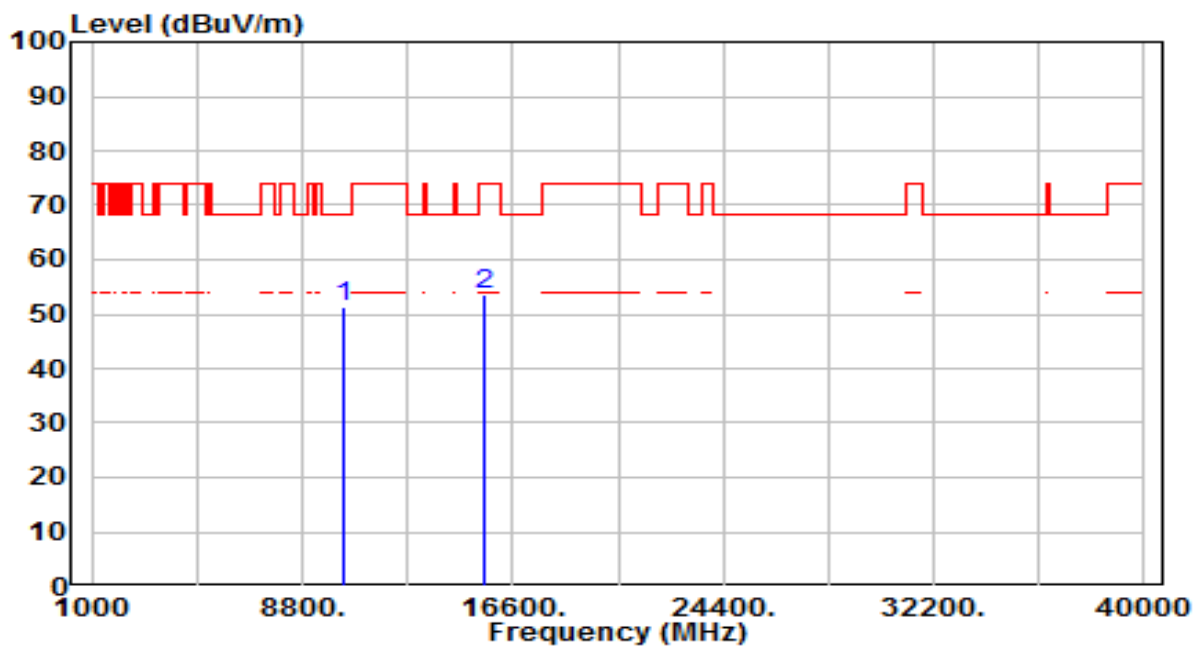


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	31.65	19.57	51.22	-22.78	74.00	100	265	Peak
2	* 17475.000	34.65	27.54	62.20	-6.00	68.20	100	166	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

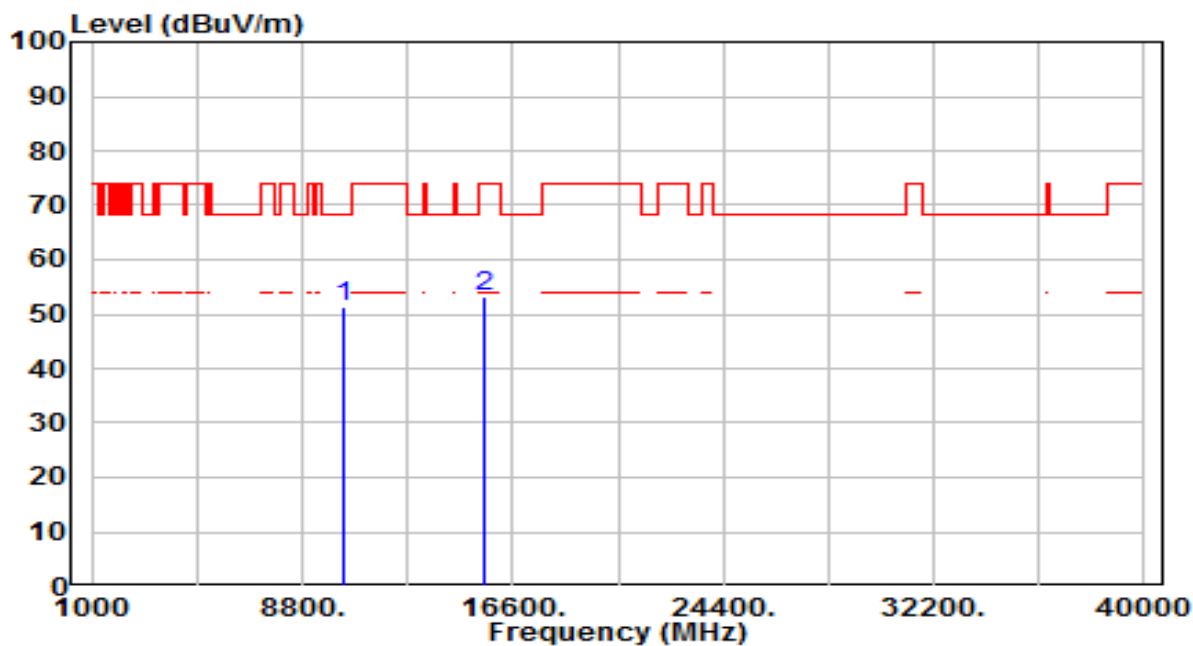


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10380.000	33.36	17.95	51.31	-16.89	68.20	100	121	Peak
2	15570.000	32.53	21.05	53.58	-20.42	74.00	100	132	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

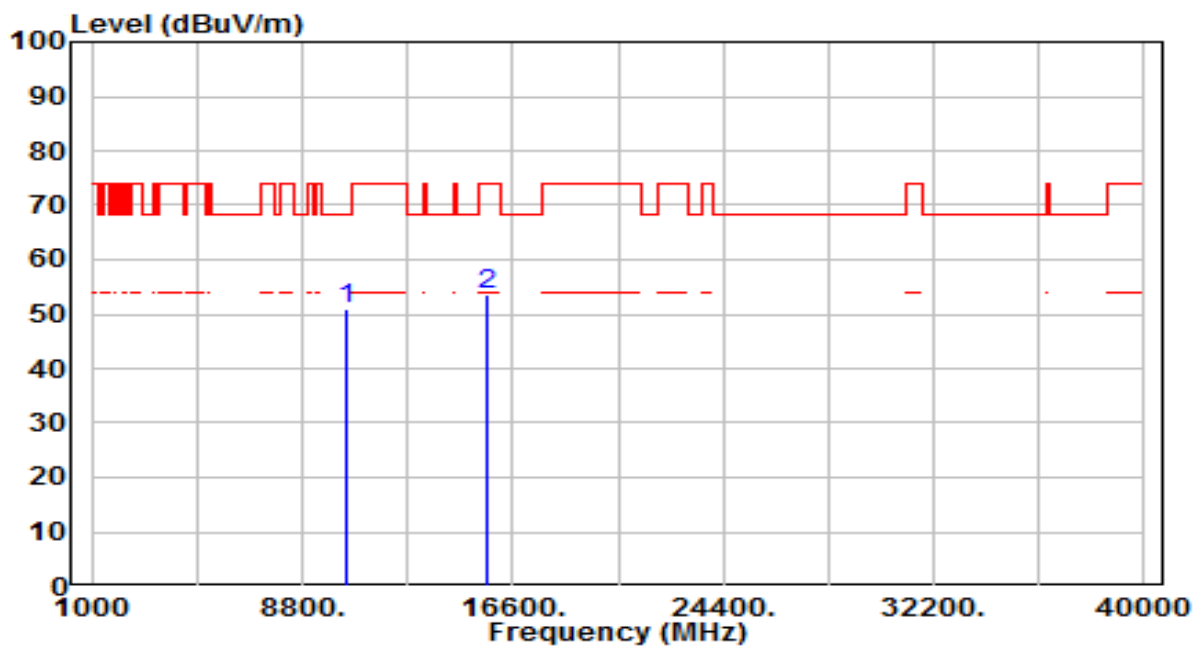


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10380.000	33.33	17.95	51.28	-16.92	68.20	100	258	Peak
2	15570.000	32.05	21.05	53.10	-20.90	74.00	100	93	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 120V/60Hz

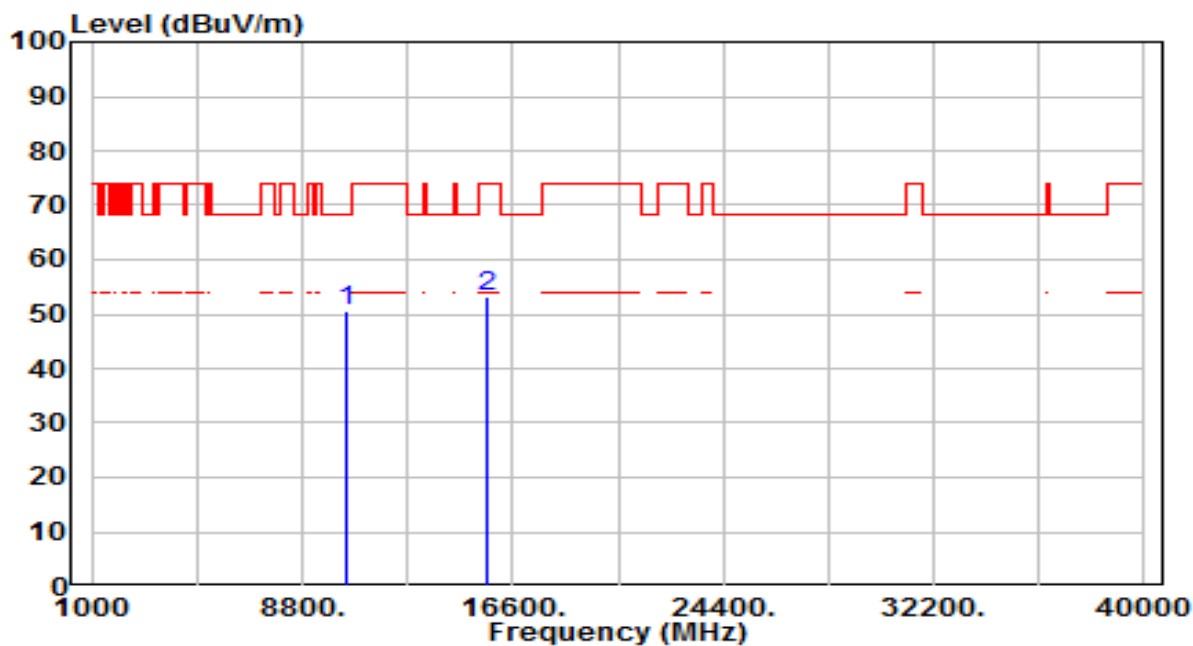


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10460.000	32.75	18.27	51.02	-17.18	68.20	100	228	Peak
2		15690.000	32.72	20.69	53.40	-20.60	74.00	100	20	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 120V/60Hz

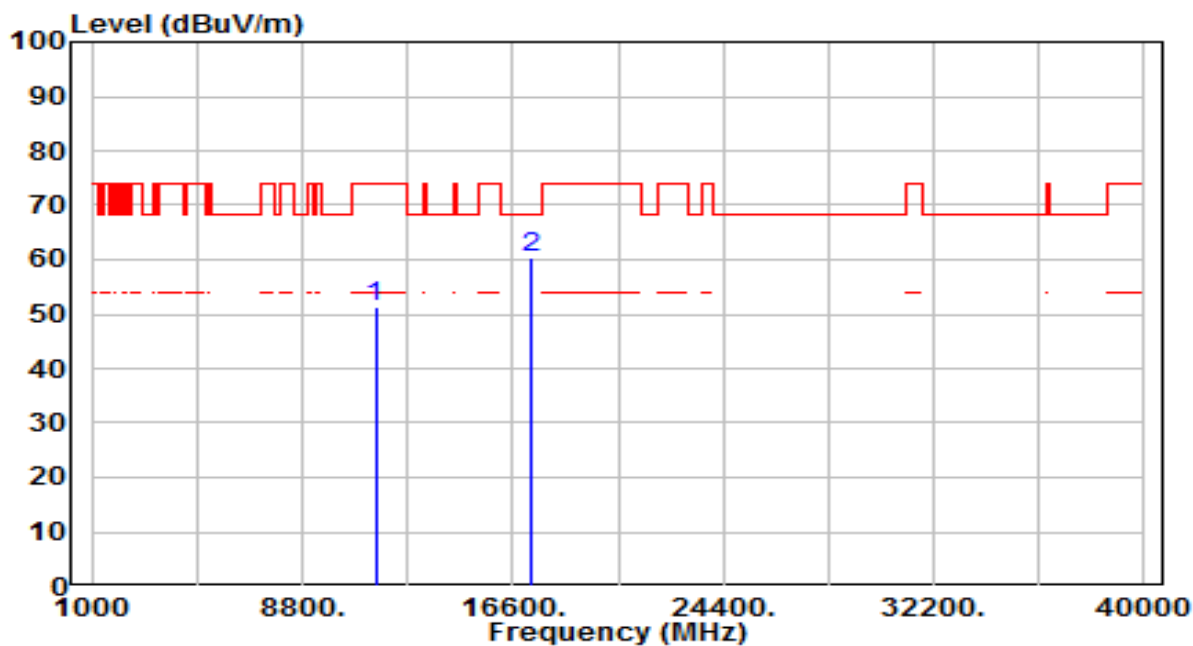


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10460.000	32.37	18.27	50.65	-17.55	68.20	100	46	Peak
2		15690.000	32.39	20.69	53.08	-20.92	74.00	100	28	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 120V/60Hz

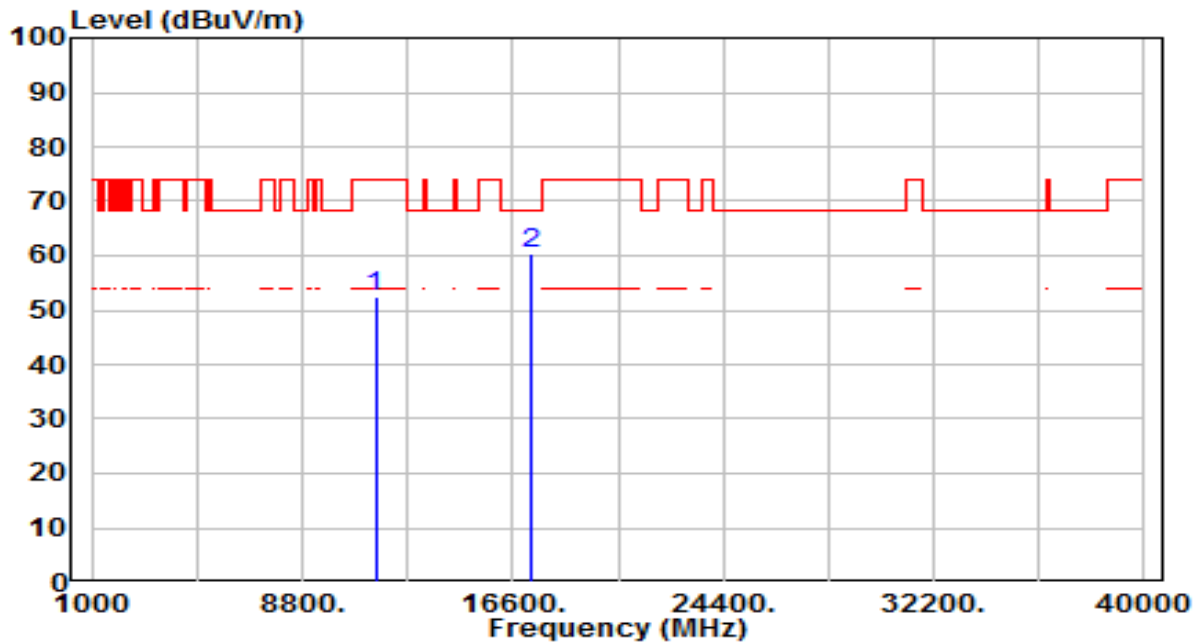


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	31.50	19.83	51.33	-22.67	74.00	100	332	Peak
2	* 17265.000	34.55	25.99	60.54	-7.66	68.20	100	15	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 120V/60Hz

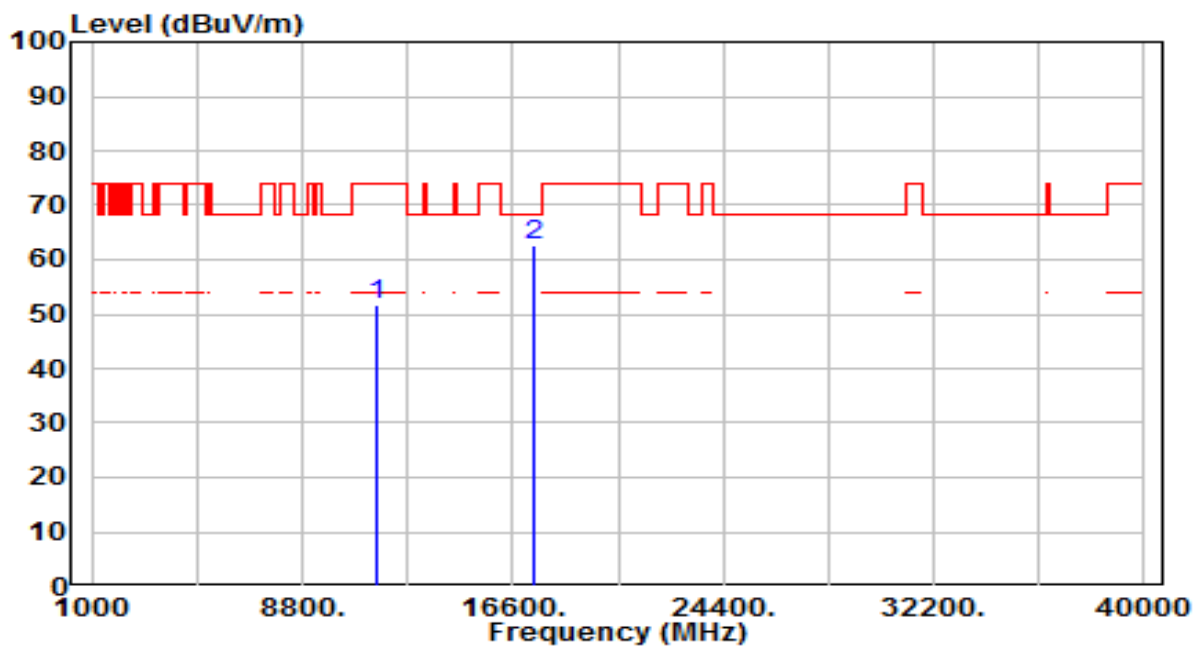


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	32.74	19.83	52.57	-21.43	74.00	100	297	Peak
2	* 17265.000	34.43	25.99	60.41	-7.79	68.20	100	69	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 120V/60Hz

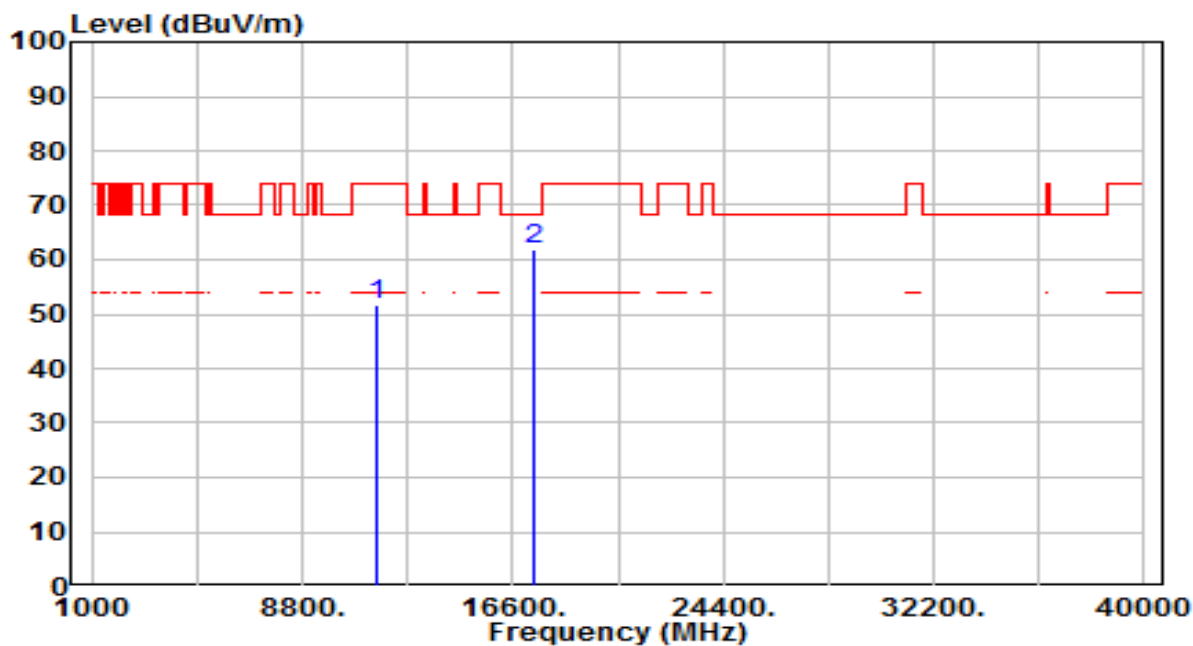


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11590.000	32.16	19.68	51.85	-22.15	74.00	100	192	Peak
2	* 17385.000	35.66	26.88	62.53	-5.67	68.20	100	142	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	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	11590.000	31.86	19.68	51.54	-22.46	74.00	100	5	Peak
2	* 17385.000	34.99	26.88	61.87	-6.33	68.20	100	248	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- 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	8.25 - 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 exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For FCC transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

For IC transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

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.

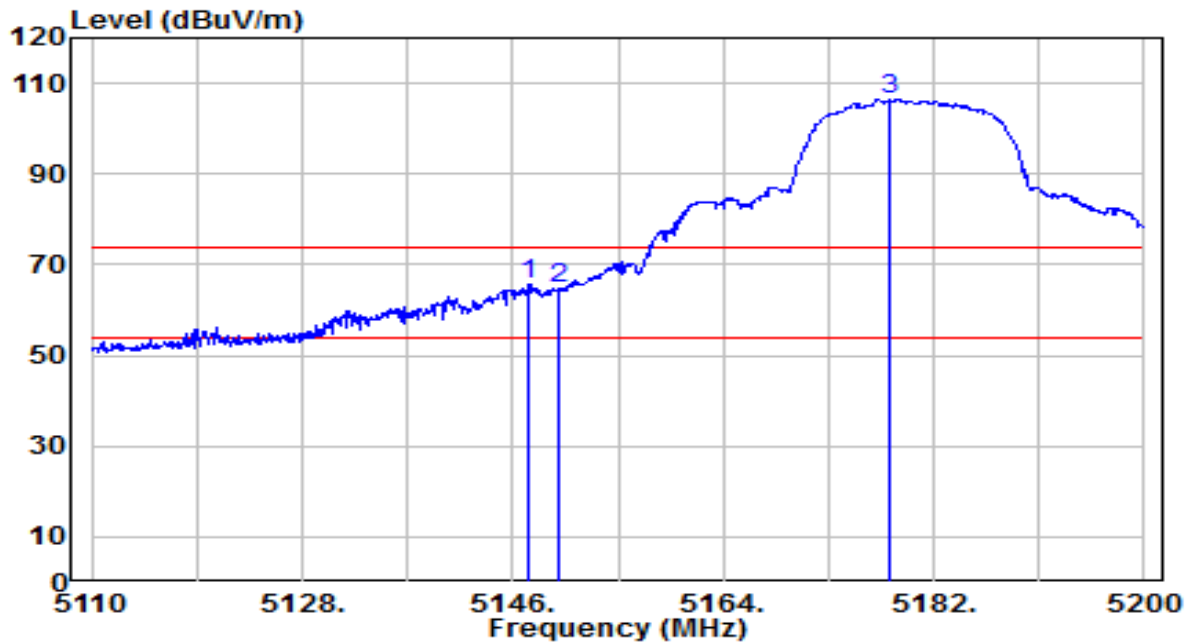
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC-Radiated emission limits; general requirements.

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

7.9.2. Test Result

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

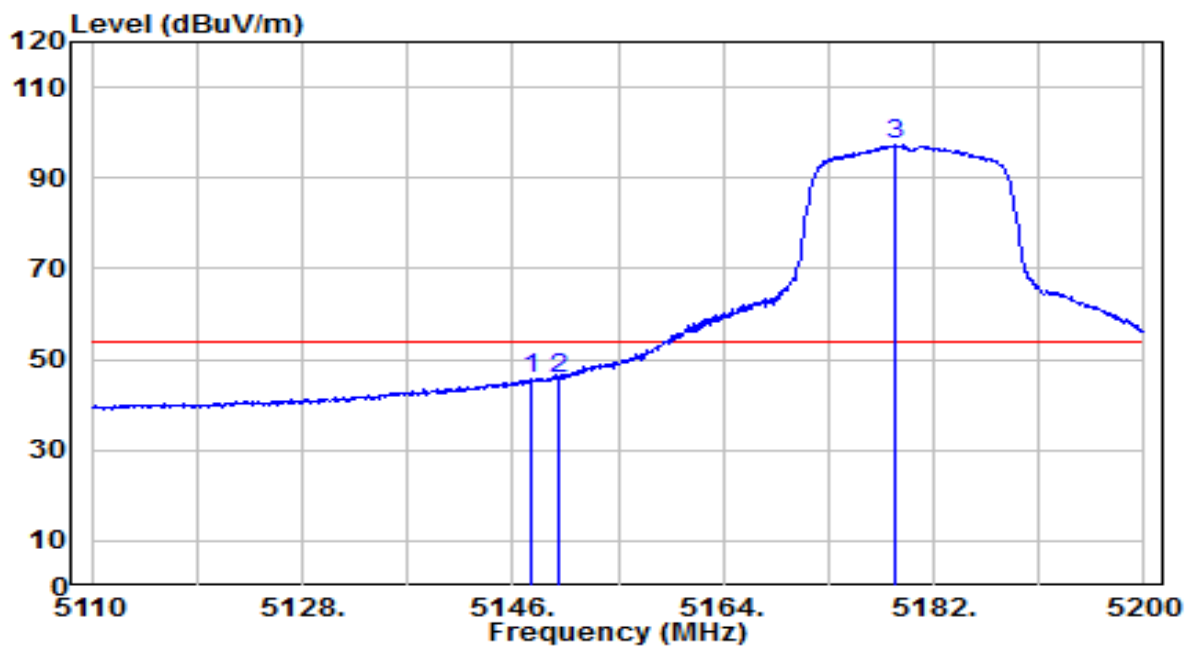


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.440	61.57	4.27	65.84	-8.16	74.00	160	45	Peak
2		5150.000	60.32	4.27	64.60	-9.40	74.00	160	45	Peak
3		5178.310	102.18	4.31	106.50	N/A	N/A	160	45	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

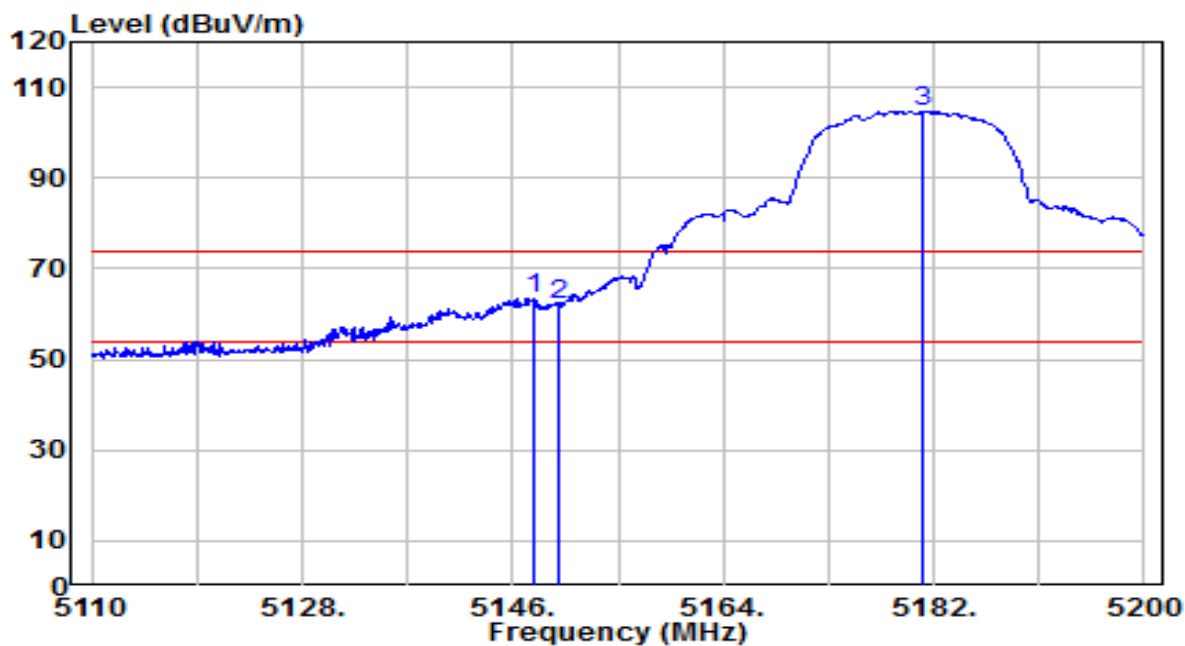


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.530	41.59	4.27	45.86	-8.14	54.00	160	45	Average
2		5150.000	41.58	4.27	45.85	-8.15	54.00	160	45	Average
3		5178.670	92.85	4.31	97.16	N/A	N/A	160	45	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

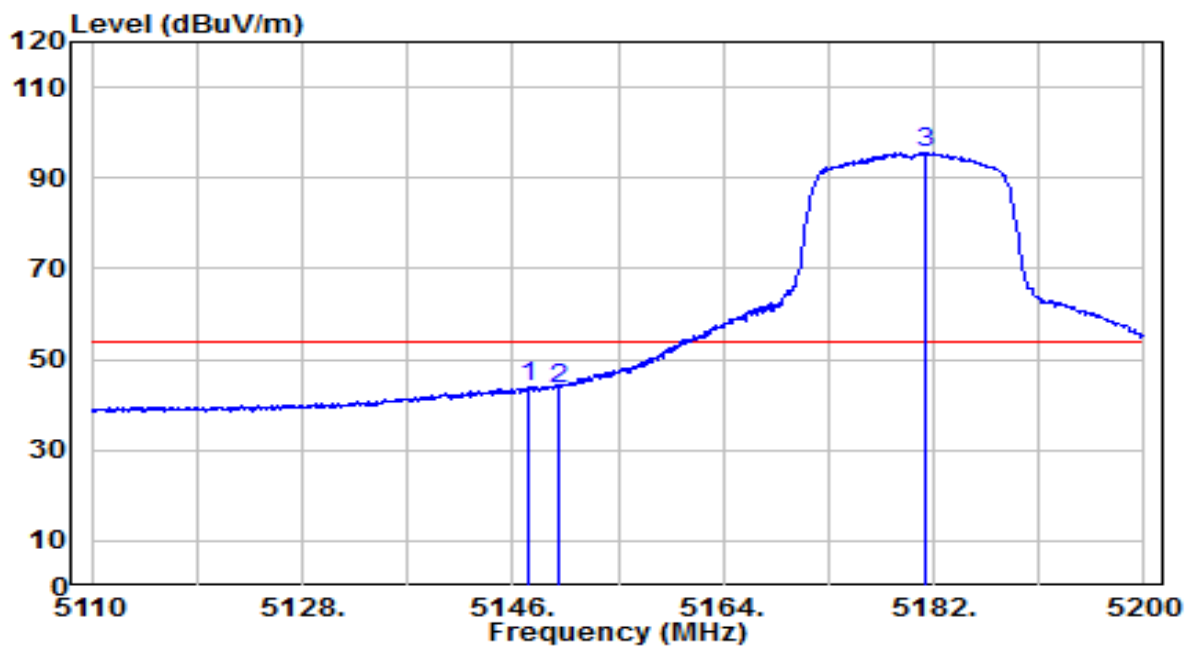


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.800	59.25	4.27	63.52	-10.48	74.00	150	55	Peak
2		5150.000	57.98	4.27	62.25	-11.75	74.00	150	55	Peak
3		5181.100	100.49	4.32	104.81	N/A	N/A	150	55	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

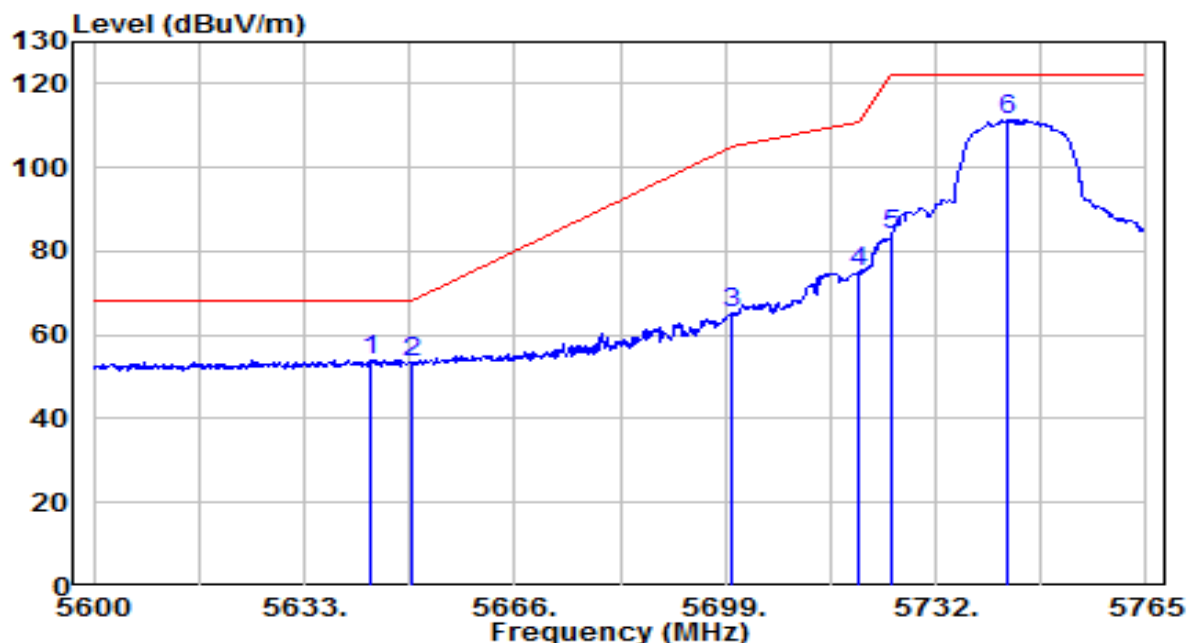


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.260	39.55	4.27	43.82	-10.18	54.00	150	55	Average
2		5150.000	39.41	4.27	43.68	-10.32	54.00	150	55	Average
3		5181.280	91.45	4.32	95.77	N/A	N/A	150	55	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

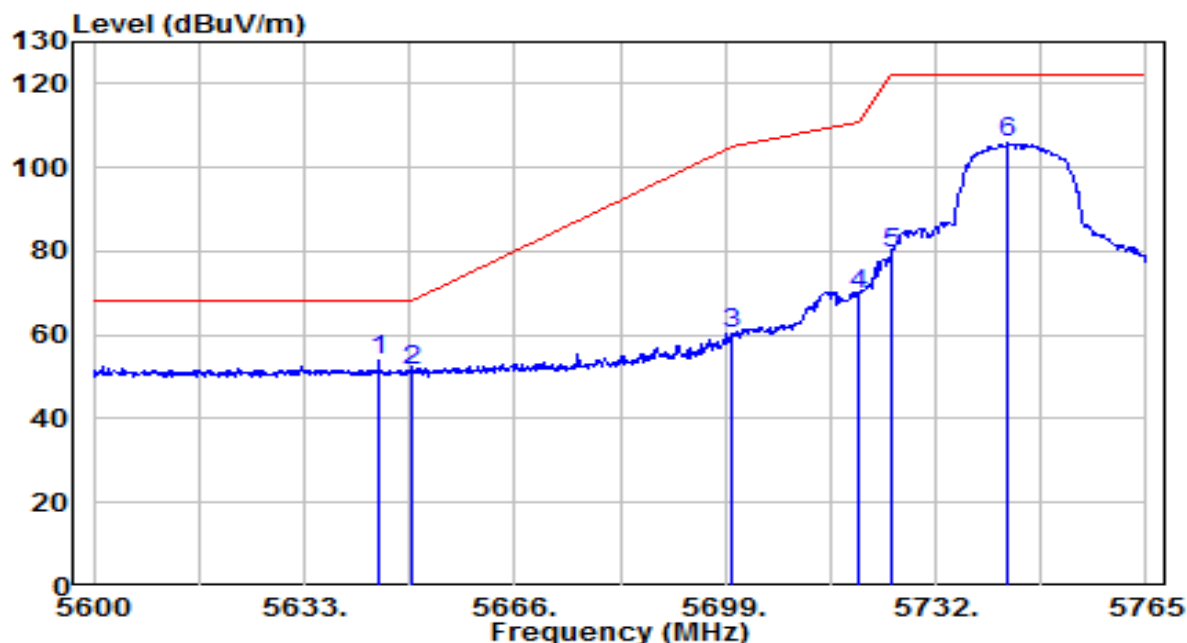


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5643.230	48.78	5.25	54.03	-14.17	68.20	135	45	Peak
2	5650.000	48.02	5.27	53.29	-14.91	68.20	135	45	Peak
3	5700.000	59.87	5.44	65.31	-39.89	105.20	135	45	Peak
4	5720.000	69.37	5.51	74.88	-35.92	110.80	135	45	Peak
5	5725.000	78.29	5.53	83.82	-38.38	122.20	135	45	Peak
6	5743.220	105.88	5.59	111.46	N/A	N/A	135	45	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

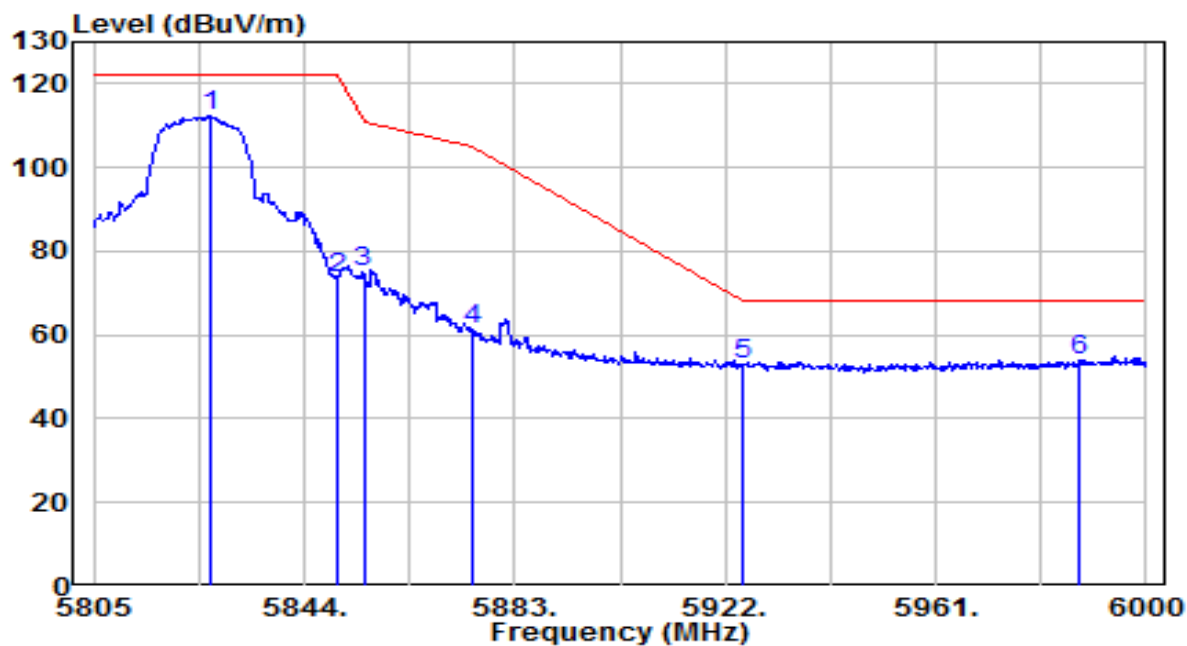


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5644.715	48.49	5.26	53.74	-14.46	68.20	175	90	Peak
2		5650.000	46.23	5.27	51.51	-16.69	68.20	175	90	Peak
3		5700.000	55.05	5.44	60.49	-44.71	105.20	175	90	Peak
4		5720.000	64.35	5.51	69.86	-40.94	110.80	175	90	Peak
5		5725.000	73.88	5.53	79.40	-42.80	122.20	175	90	Peak
6		5743.385	100.16	5.59	105.75	N/A	N/A	175	90	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

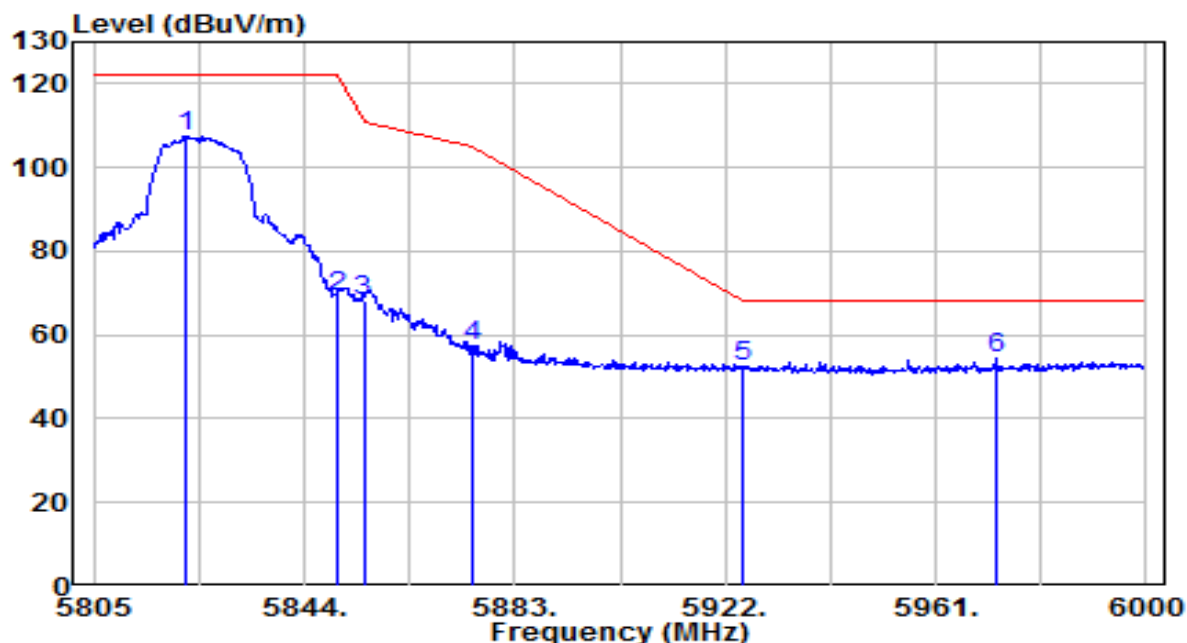


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5826.450	106.31	5.87	112.18	N/A	N/A	105	40	Peak
2	5850.000	67.75	5.95	73.69	-48.51	122.20	105	40	Peak
3	5855.000	69.24	5.96	75.21	-35.59	110.80	105	40	Peak
4	5875.000	55.38	6.03	61.41	-43.79	105.20	105	40	Peak
5	5925.000	46.91	6.20	53.11	-15.09	68.20	105	40	Peak
6	* 5987.715	47.78	6.41	54.19	-14.01	68.20	105	40	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

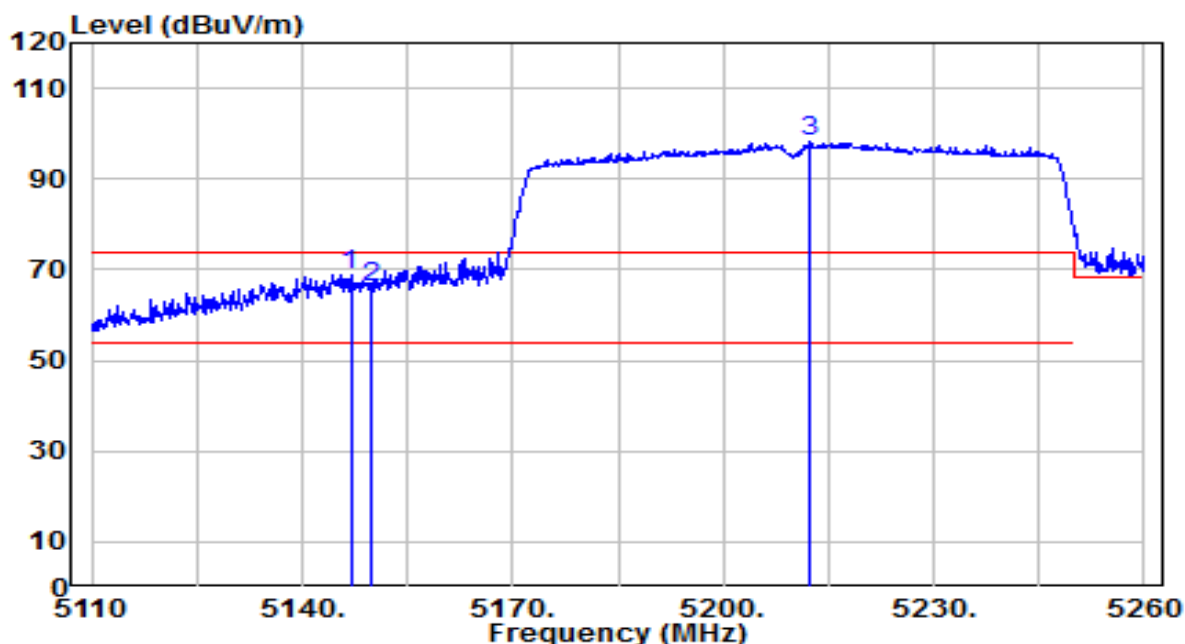


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5822.160	101.51	5.85	107.37	N/A	N/A	190	90	Peak
2	5850.000	63.25	5.95	69.20	-53.00	122.20	190	90	Peak
3	5855.000	62.28	5.96	68.24	-42.56	110.80	190	90	Peak
4	5875.000	51.53	6.03	57.56	-47.64	105.20	190	90	Peak
5	5925.000	46.07	6.20	52.27	-15.93	68.20	190	90	Peak
6	* 5972.115	48.07	6.36	54.43	-13.77	68.20	190	90	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

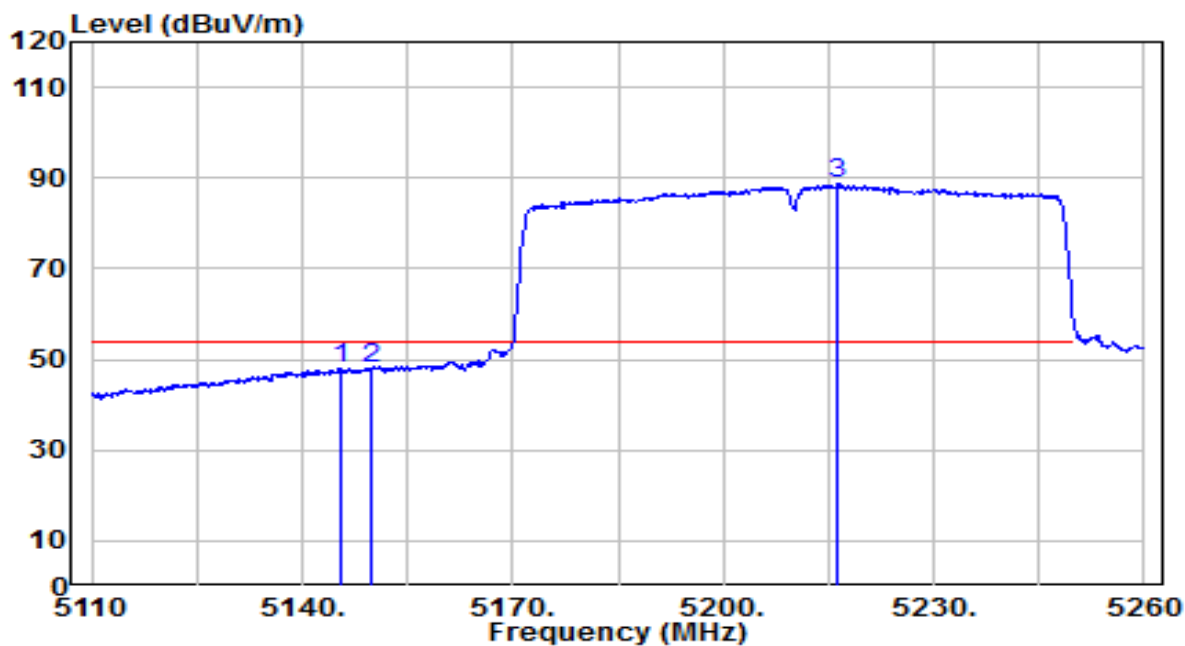


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.900	64.66	4.27	68.92	-5.08	74.00	160	45	Peak
2		5150.000	61.88	4.27	66.16	-7.84	74.00	160	45	Peak
3		5212.300	93.92	4.36	98.28	N/A	N/A	160	45	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

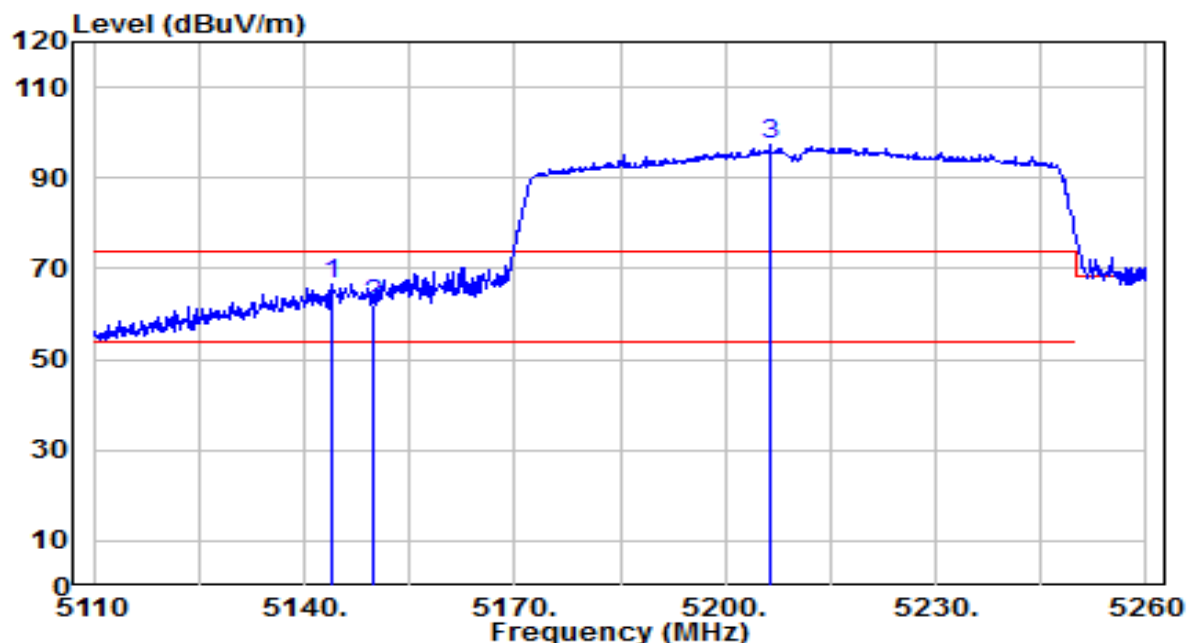


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.700	43.62	4.27	47.88	-6.12	54.00	160	45	Average
2		5150.000	43.54	4.27	47.81	-6.19	54.00	160	45	Average
3		5216.200	84.19	4.37	88.56	N/A	N/A	160	45	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

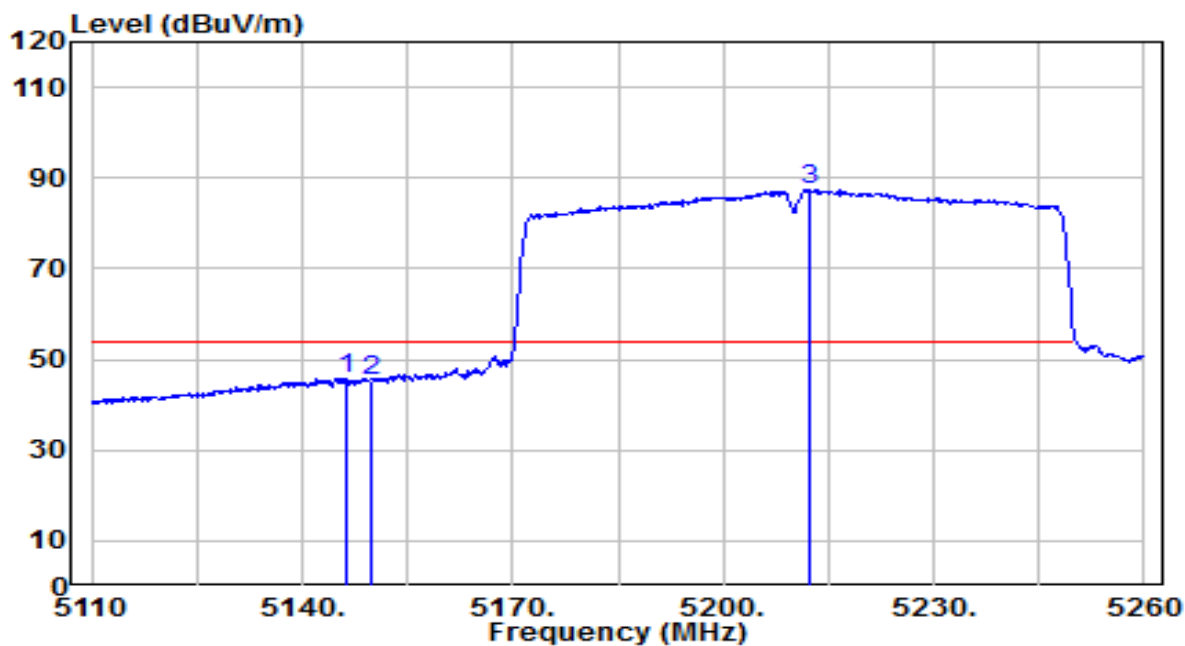


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5144.050	62.27	4.26	66.53	-7.47	74.00	150	55	Peak
2		5150.000	57.54	4.27	61.82	-12.18	74.00	150	55	Peak
3		5206.450	92.93	4.35	97.29	N/A	N/A	150	55	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 120V/60Hz

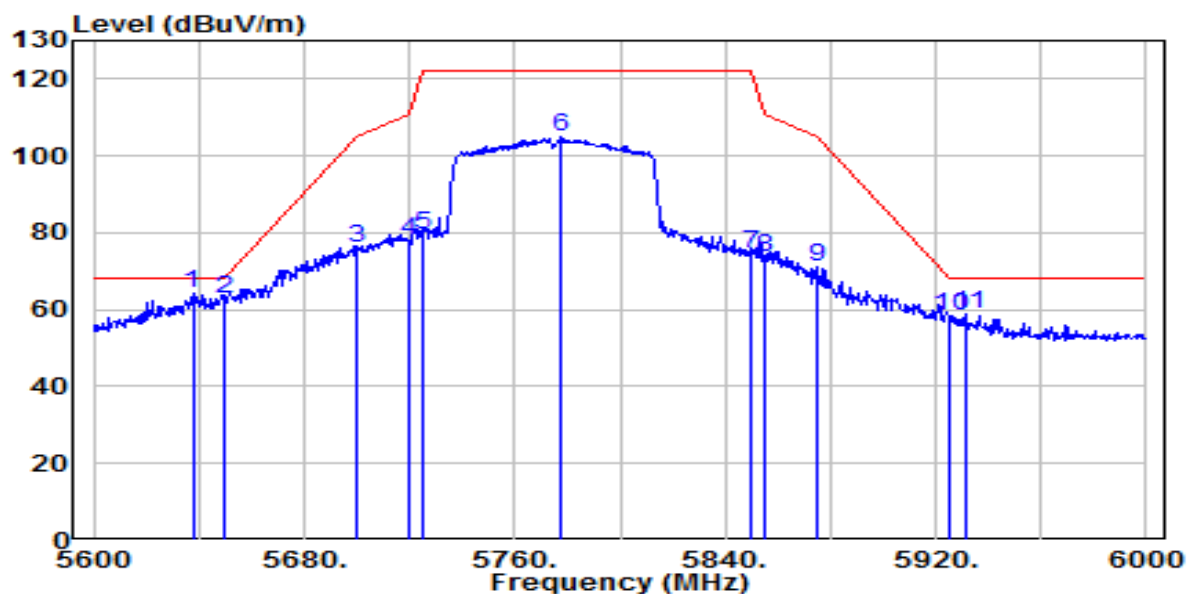


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5146.150	41.59	4.27	45.86	-8.14	54.00	150	55	Average
2		5150.000	40.96	4.27	45.23	-8.77	54.00	150	55	Average
3		5212.150	83.08	4.36	87.44	N/A	N/A	150	55	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 120V/60Hz

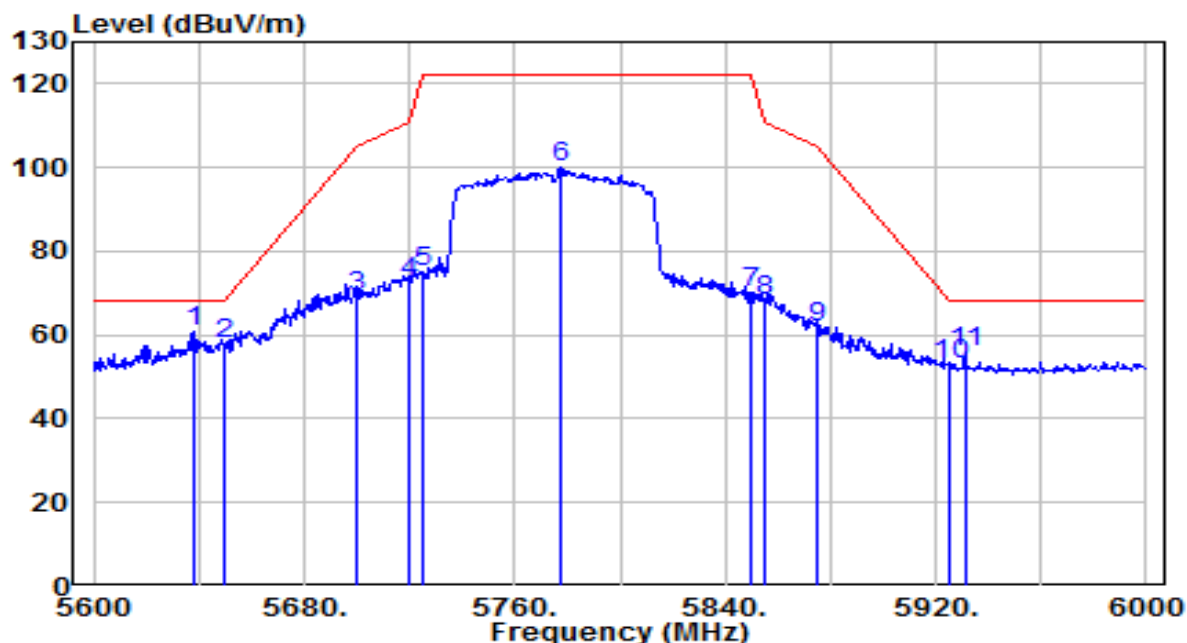


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5637.600	58.90	5.23	64.13	-4.07	68.20	105	55	Peak
2	5650.000	57.68	5.27	62.96	-5.24	68.20	105	55	Peak
3	5700.000	70.64	5.44	76.09	-29.11	105.20	105	55	Peak
4	5720.000	72.59	5.51	78.10	-32.70	110.80	105	55	Peak
5	5725.000	74.13	5.53	79.66	-42.54	122.20	105	55	Peak
6	5777.600	99.19	5.70	104.89	N/A	N/A	105	55	Peak
7	5850.000	68.51	5.95	74.45	-47.75	122.20	105	55	Peak
8	5855.000	67.77	5.96	73.74	-37.06	110.80	105	55	Peak
9	5875.000	65.06	6.03	71.09	-34.11	105.20	105	55	Peak
10	5925.000	52.29	6.20	58.49	-9.71	68.20	140	90	Peak
11	5932.000	52.63	6.22	58.85	-9.35	68.20	105	55	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	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	*	5638.400	55.82	5.24	61.06	-7.14	68.20	140	90	Peak
2		5650.000	52.71	5.27	57.98	-10.22	68.20	140	90	Peak
3		5700.000	63.96	5.44	69.40	-35.80	105.20	140	90	Peak
4		5720.000	66.91	5.51	72.42	-38.38	110.80	140	90	Peak
5		5725.000	69.37	5.53	74.90	-47.30	122.20	140	90	Peak
6		5777.200	94.13	5.70	99.83	N/A	N/A	140	90	Peak
7		5850.000	64.12	5.95	70.07	-52.13	122.20	140	90	Peak
8		5855.000	62.02	5.96	67.98	-42.82	110.80	140	90	Peak
9		5875.000	55.66	6.03	61.69	-43.51	105.20	140	90	Peak
10		5925.000	46.70	6.20	52.89	-15.31	68.20	140	90	Peak
11		5931.200	49.74	6.22	55.96	-12.24	68.20	140	90	Peak

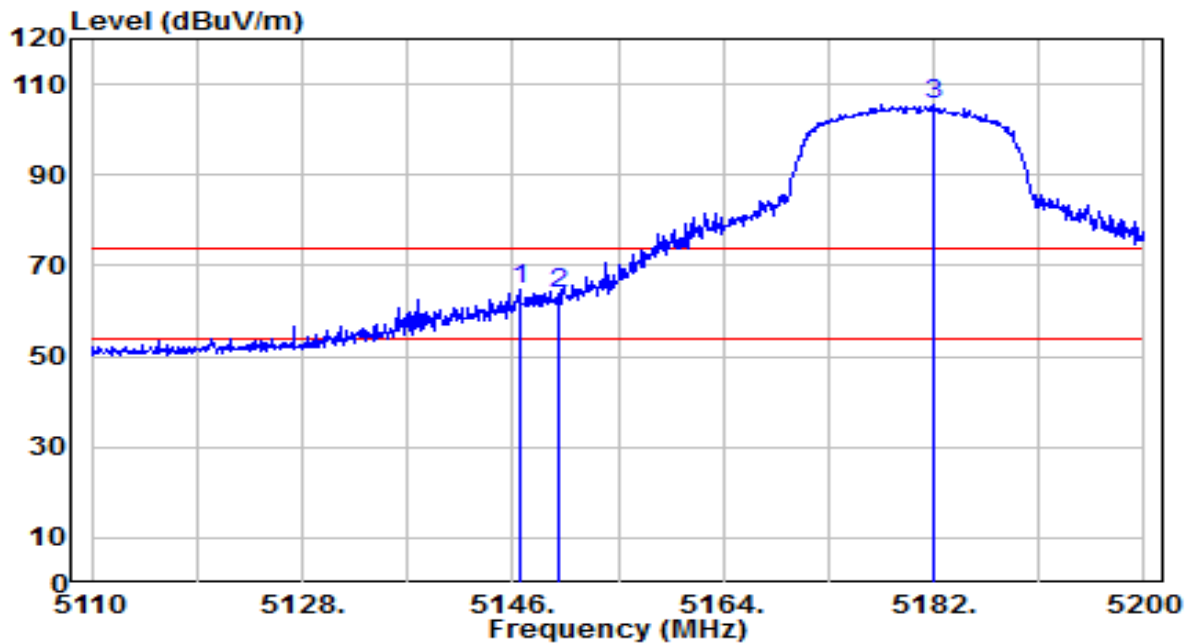
Note:

- "*", means this data is the worst emission level.
- 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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	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	*	5146.630	60.50	4.27	64.77	-9.23	74.00	160	45	Peak
2		5150.000	59.40	4.27	63.68	-10.32	74.00	160	45	Peak
3		5181.910	101.24	4.32	105.56	N/A	N/A	160	45	Peak

Note:

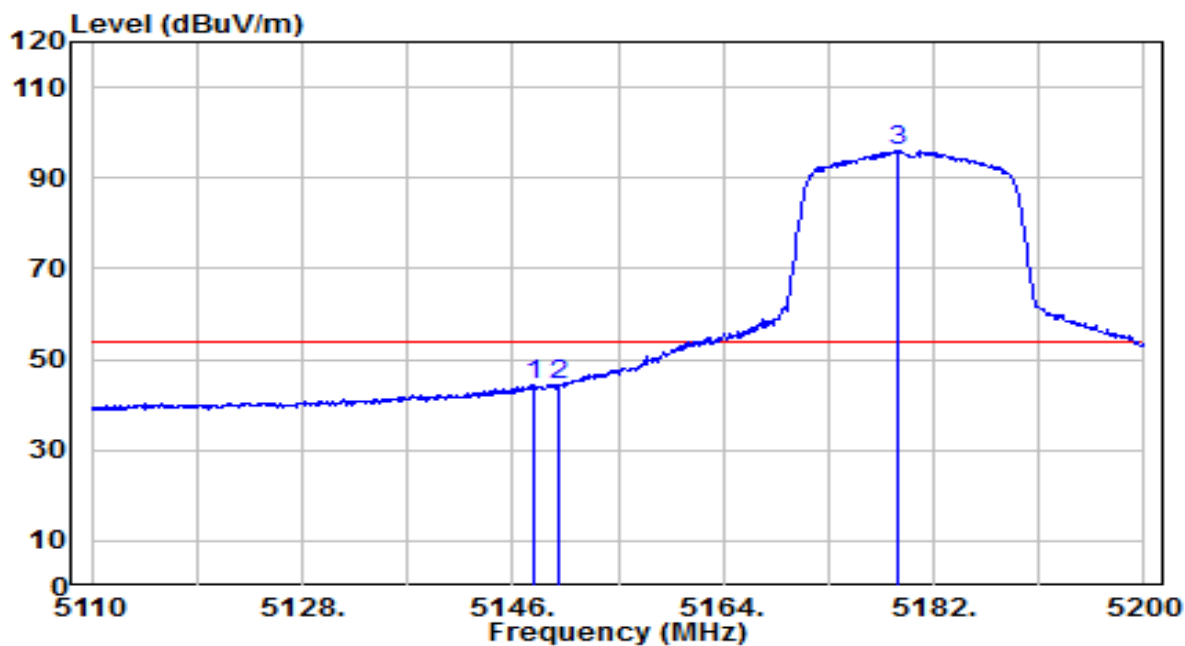
1. " *", means this data is the worst emission level.

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

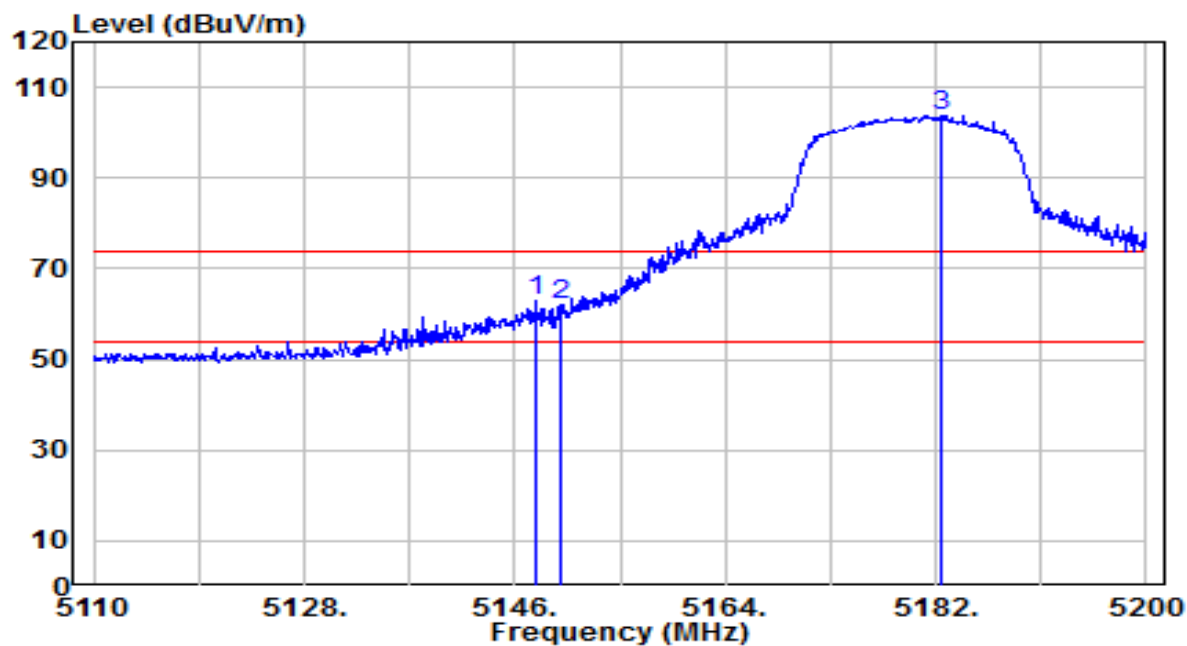


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5147.890	39.95	4.27	44.22	-9.78	54.00	160	45	Average
2	* 5150.000	39.98	4.27	44.25	-9.75	54.00	160	45	Average
3	5178.940	91.85	4.31	96.16	N/A	N/A	160	45	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

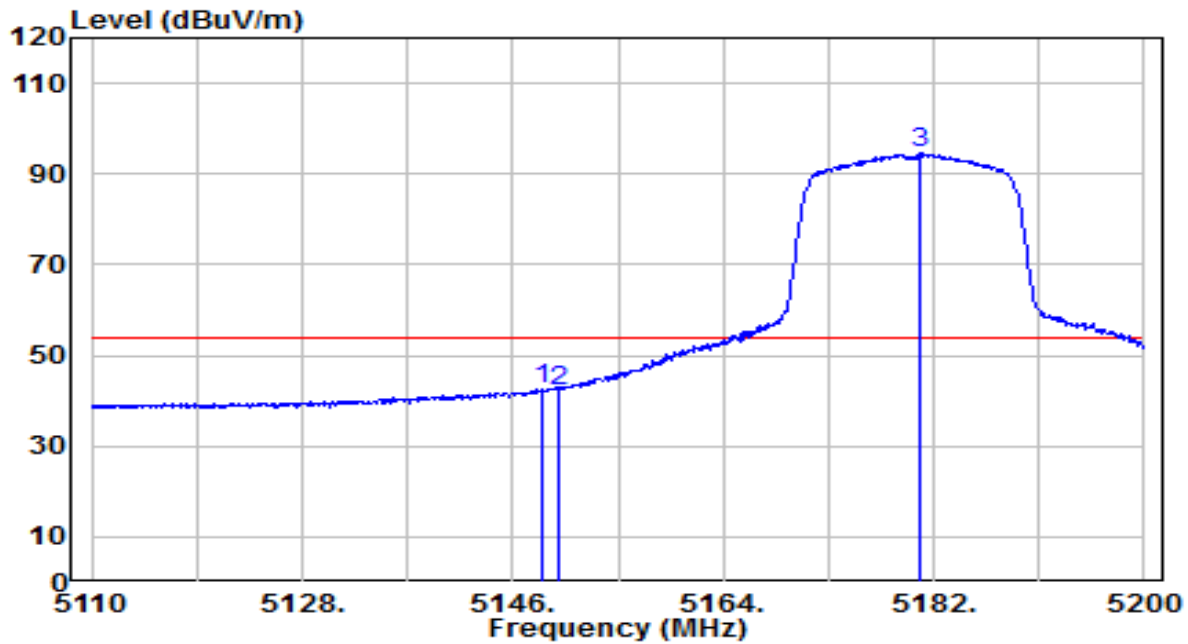


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.800	58.75	4.27	63.02	-10.98	74.00	150	55	Peak
2		5150.000	57.54	4.27	61.82	-12.18	74.00	150	55	Peak
3		5182.360	99.56	4.32	103.88	N/A	N/A	150	55	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 120V/60Hz

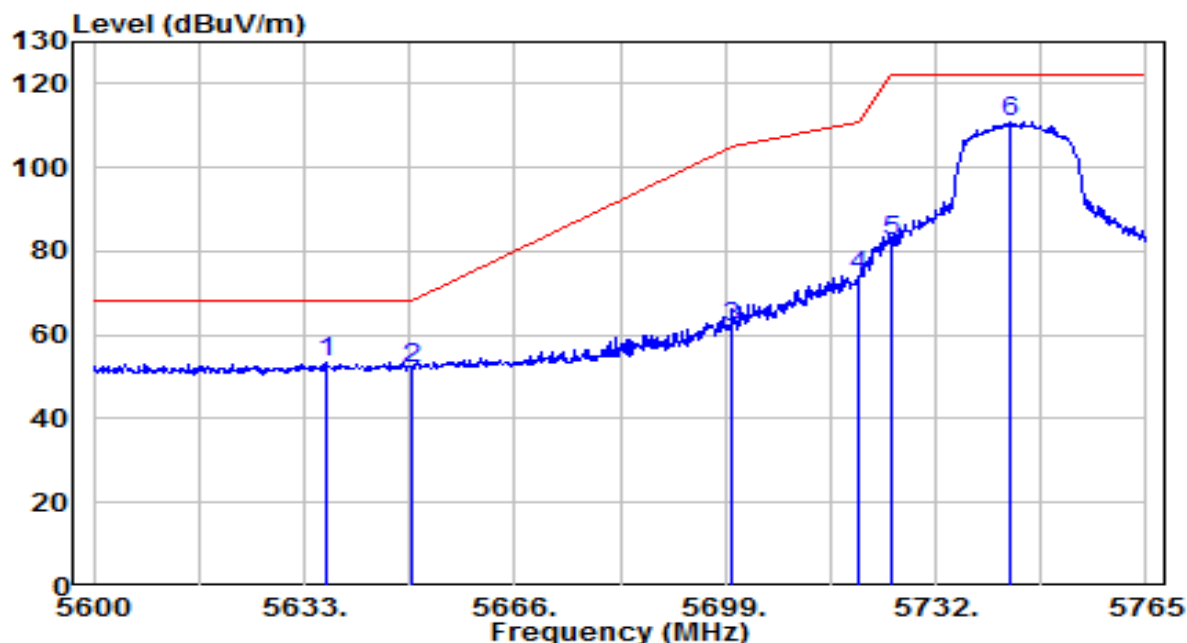


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5148.430	38.22	4.27	42.49	-11.51	54.00	150	55	Average
2		5150.000	38.03	4.27	42.30	-11.70	54.00	150	55	Average
3		5180.740	90.32	4.32	94.64	N/A	N/A	150	55	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

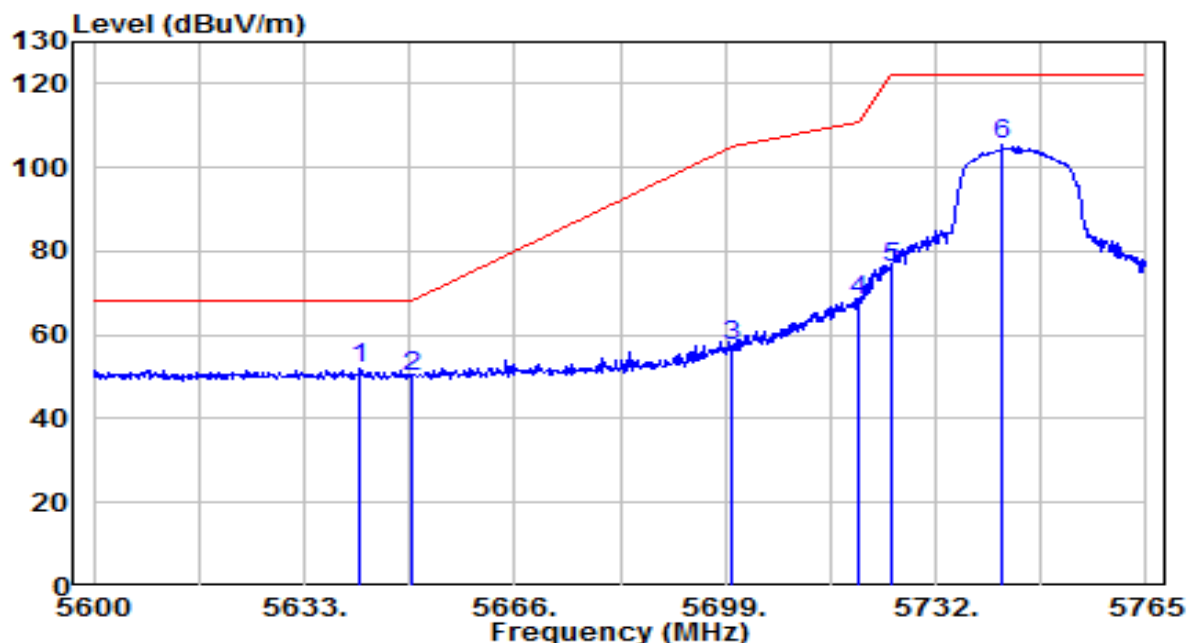


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5636.630	48.33	5.23	53.56	-14.64	68.20	135	45	Peak
2		5650.000	46.74	5.27	52.01	-16.19	68.20	135	45	Peak
3		5700.000	56.51	5.44	61.96	-43.24	105.20	135	45	Peak
4		5720.000	68.55	5.51	74.06	-36.74	110.80	135	45	Peak
5		5725.000	76.95	5.53	82.48	-39.72	122.20	135	45	Peak
6		5743.550	105.06	5.59	110.65	N/A	N/A	135	45	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 120V/60Hz

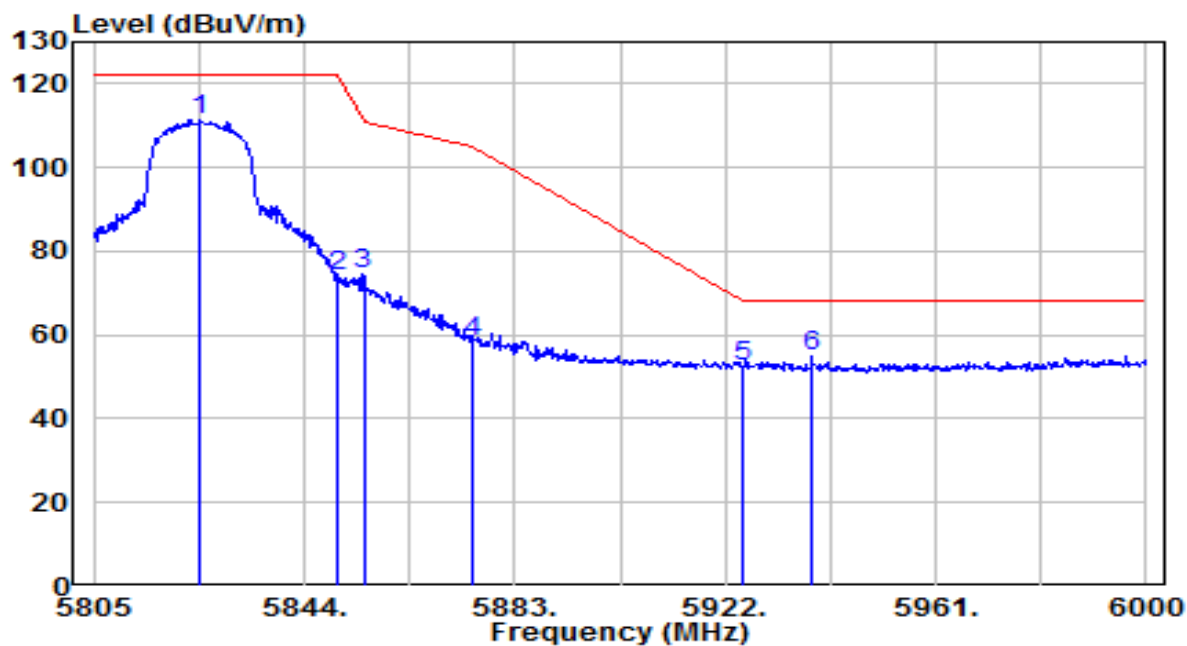


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5641.745	46.75	5.25	52.00	-16.20	68.20	175	90	Peak
2		5650.000	44.98	5.27	50.25	-17.95	68.20	175	90	Peak
3		5700.000	52.08	5.44	57.52	-47.68	105.20	175	90	Peak
4		5720.000	62.64	5.51	68.15	-42.65	110.80	175	90	Peak
5		5725.000	70.49	5.53	76.02	-46.18	122.20	175	90	Peak
6		5742.395	99.65	5.58	105.23	N/A	N/A	175	90	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

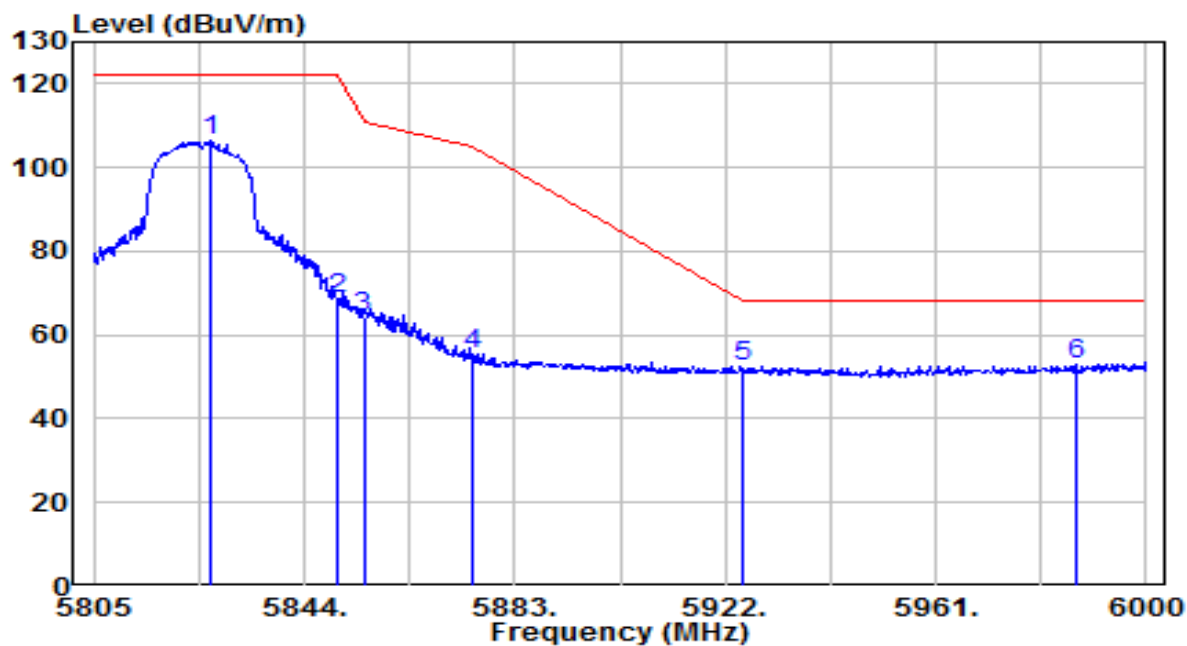


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5824.695	105.59	5.86	111.45	N/A	N/A	105	40	Peak
2	5850.000	68.13	5.95	74.08	-48.12	122.20	105	40	Peak
3	5855.000	68.37	5.96	74.34	-36.46	110.80	105	40	Peak
4	5875.000	52.28	6.03	58.31	-46.89	105.20	105	40	Peak
5	5925.000	46.09	6.20	52.29	-15.91	68.20	105	40	Peak
6	* 5937.990	48.64	6.24	54.88	-13.32	68.20	105	40	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 120V/60Hz

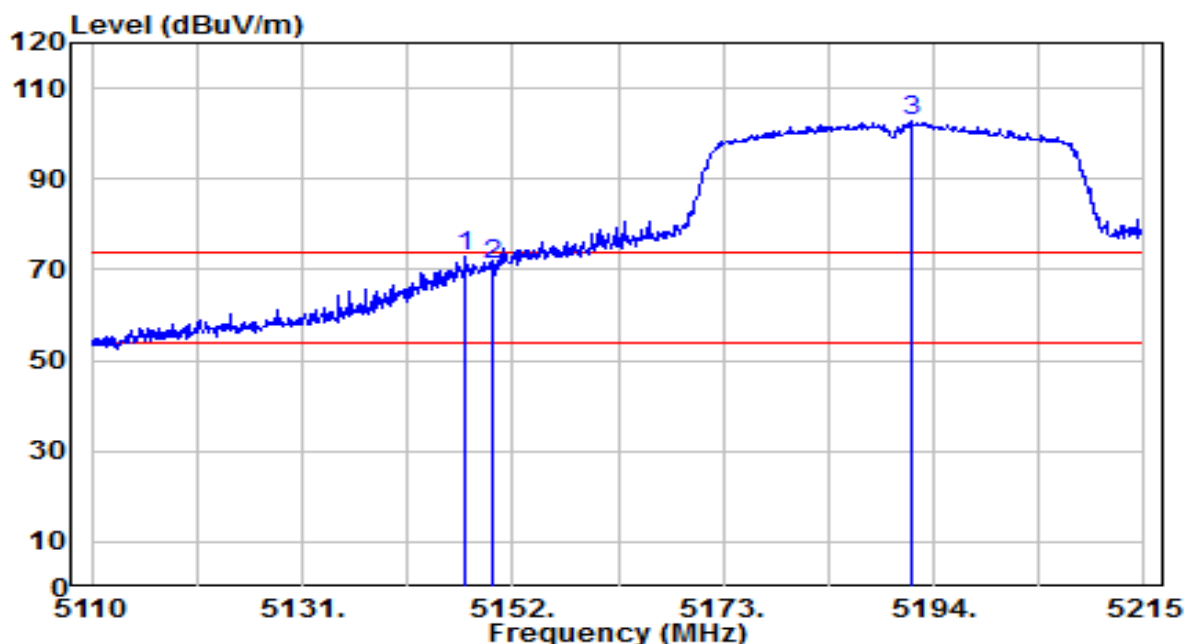


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5826.450	100.44	5.87	106.31	N/A	N/A	190	90	Peak
2	5850.000	62.53	5.95	68.48	-53.72	122.20	190	90	Peak
3	5855.000	58.39	5.96	64.35	-46.45	110.80	190	90	Peak
4	5875.000	49.21	6.03	55.24	-49.96	105.20	190	90	Peak
5	* 5925.000	46.42	6.20	52.62	-15.58	68.20	190	90	Peak
6	* 5986.935	46.41	6.41	52.82	-15.38	68.20	190	90	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

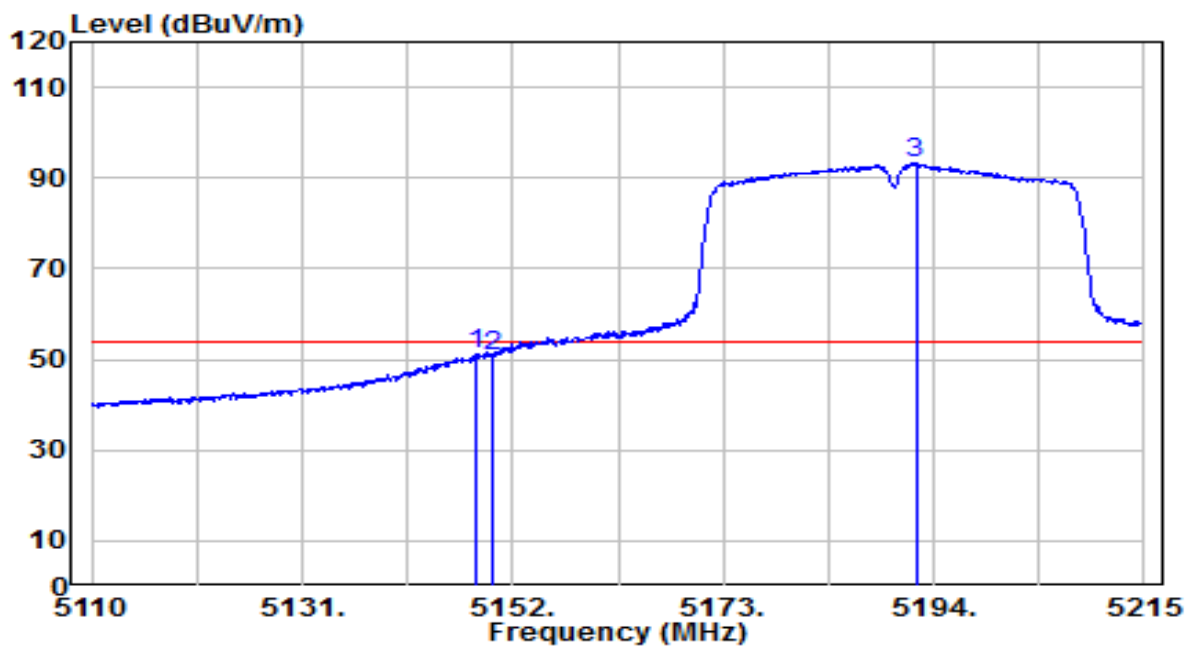


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.275	68.48	4.27	72.75	-1.25	74.00	160	45	Peak
2		5150.000	66.75	4.27	71.02	-2.98	74.00	160	45	Peak
3		5191.900	98.34	4.33	102.67	N/A	N/A	160	45	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

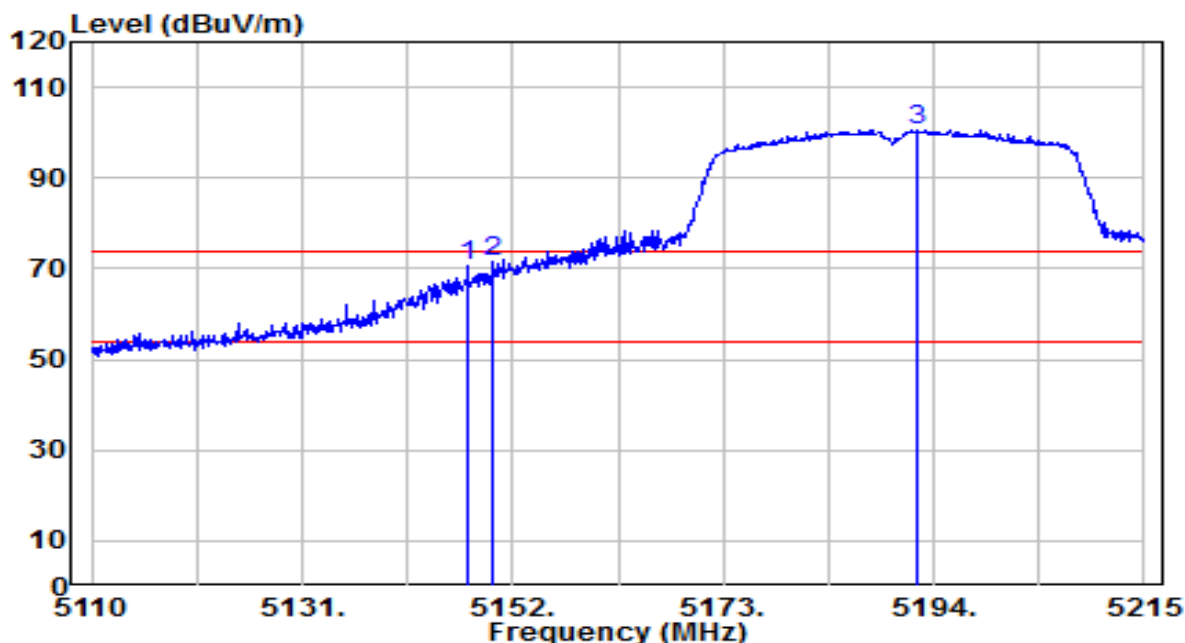


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5148.325	46.73	4.27	51.00	-3.00	54.00	160	45	Average
2		5150.000	46.64	4.27	50.91	-3.09	54.00	160	45	Average
3		5192.215	88.78	4.33	93.11	N/A	N/A	160	45	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

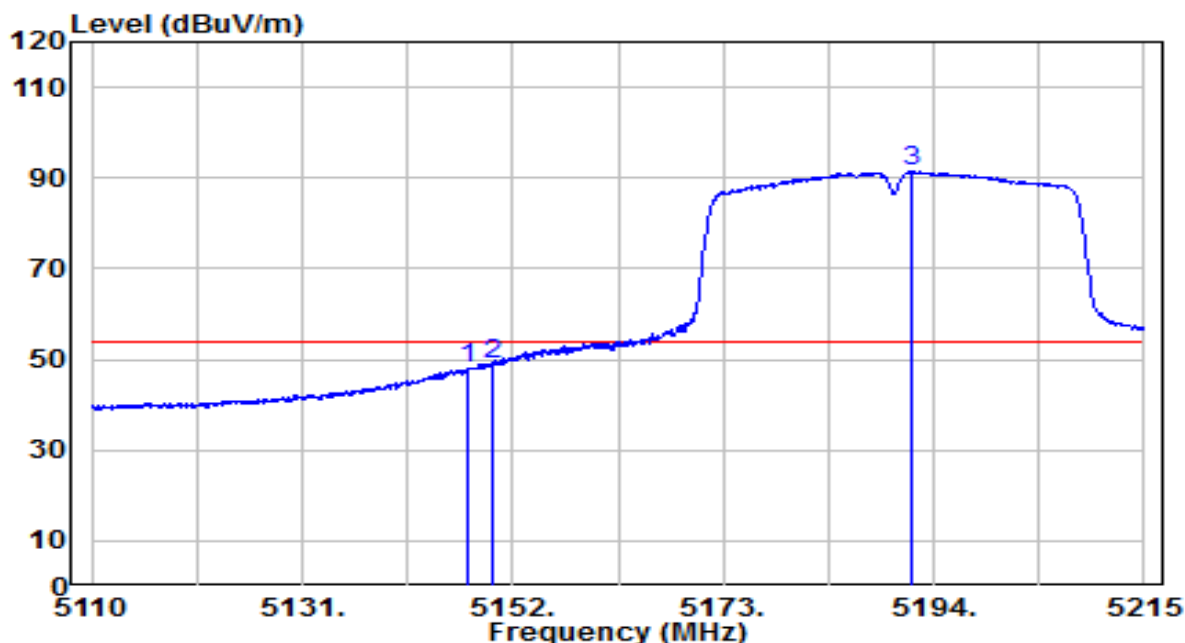


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5147.485	66.18	4.27	70.45	-3.55	74.00	150	55	Peak
2	* 5150.000	67.08	4.27	71.36	-2.64	74.00	150	55	Peak
3	5192.425	96.36	4.33	100.69	N/A	N/A	150	55	Peak

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 120V/60Hz

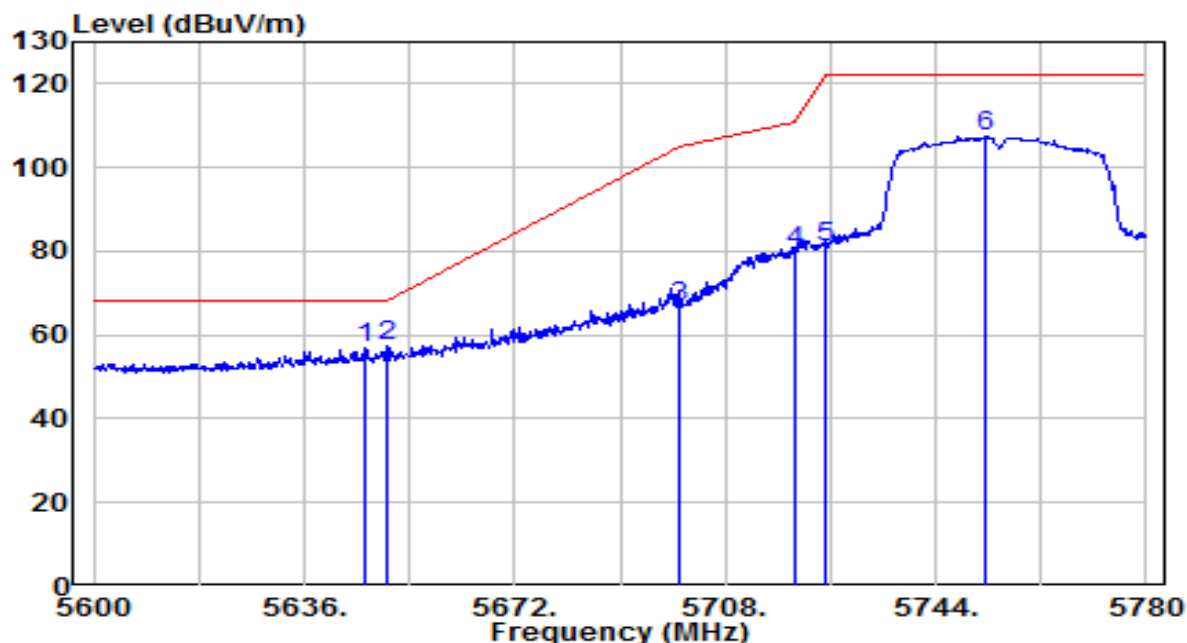


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5147.590	43.92	4.27	48.19	-5.81	54.00	150	55	Average
2	* 5150.000	44.49	4.27	48.76	-5.24	54.00	150	55	Average
3	5191.900	87.19	4.33	91.52	N/A	N/A	150	55	Average

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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 120V/60Hz

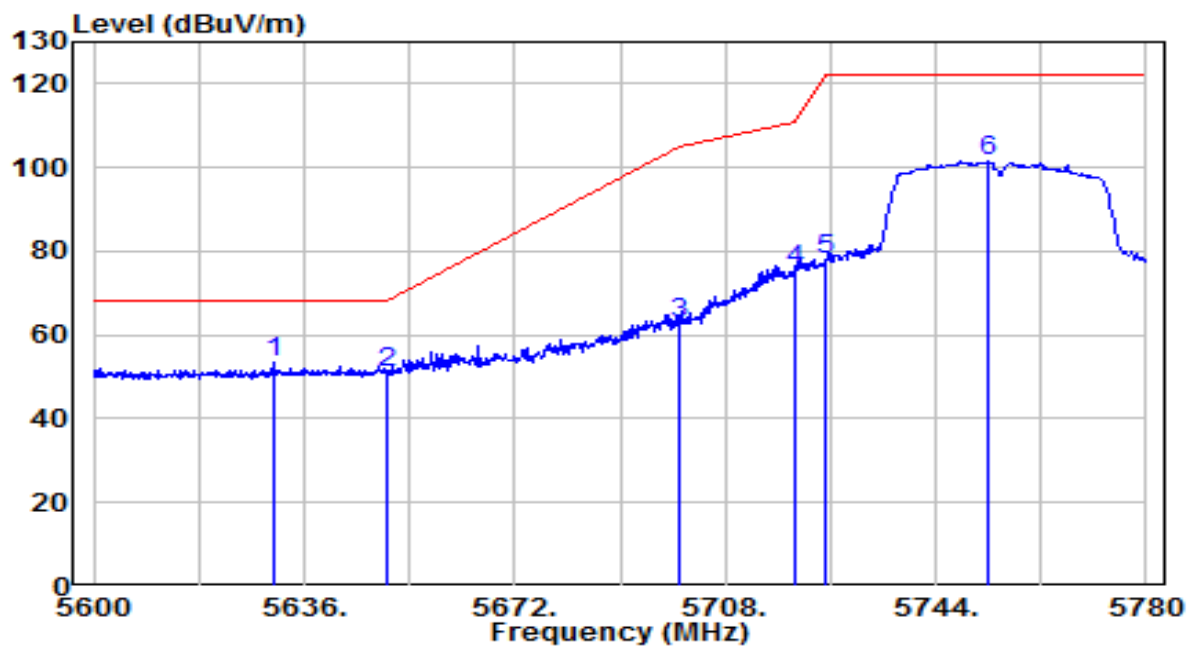


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5646.260	51.49	5.26	56.75	-11.45	68.20	135	45	Peak
2	* 5650.000	52.05	5.27	57.32	-10.88	68.20	135	45	Peak
3	5700.000	61.45	5.44	66.89	-38.31	105.20	135	45	Peak
4	5720.000	74.51	5.51	80.01	-30.79	110.80	135	45	Peak
5	5725.000	75.37	5.53	80.90	-41.30	122.20	135	45	Peak
6	5752.460	101.89	5.62	107.51	N/A	N/A	135	45	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 120V/60Hz

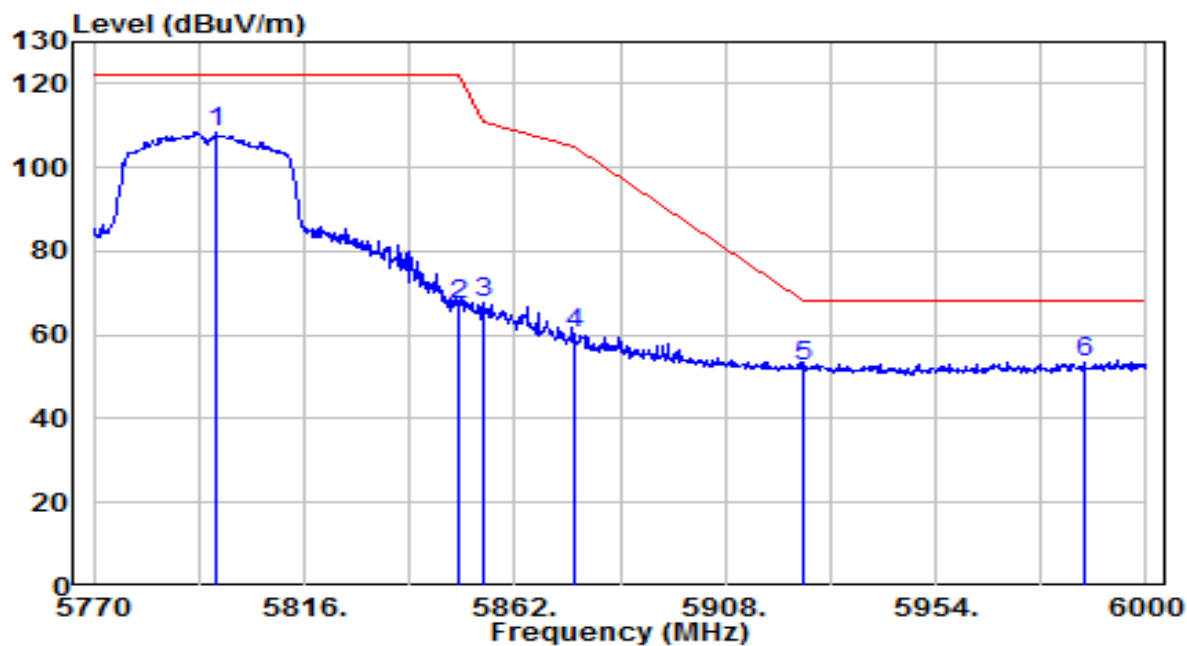


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5630.960	48.06	5.21	53.27	-14.93	68.20	175	90	Peak
2		5650.000	45.91	5.27	51.19	-17.01	68.20	175	90	Peak
3		5700.000	57.46	5.44	62.90	-42.30	105.20	175	90	Peak
4		5720.000	69.86	5.51	75.37	-35.43	110.80	175	90	Peak
5		5725.000	72.61	5.53	78.14	-44.06	122.20	175	90	Peak
6		5753.000	95.97	5.62	101.59	N/A	N/A	175	90	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	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 120V/60Hz

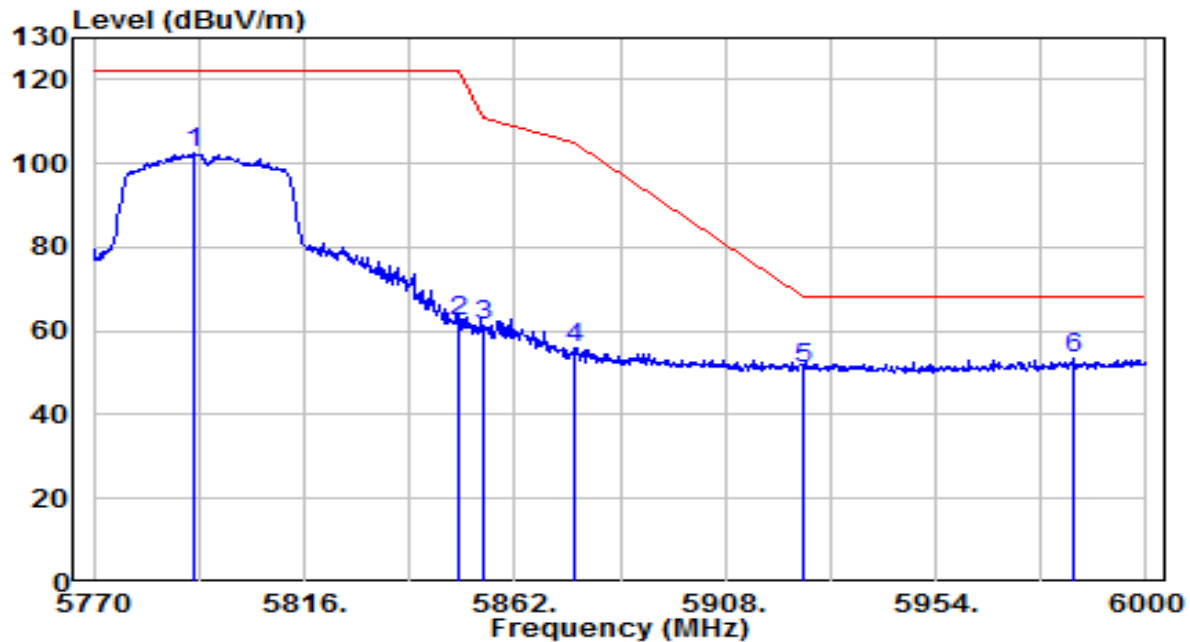


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5796.910	102.60	5.77	108.37	N/A	N/A	105	40	Peak
2	5850.000	61.23	5.95	67.18	-55.02	122.20	105	40	Peak
3	5855.000	61.72	5.96	67.68	-43.12	110.80	105	40	Peak
4	5875.000	54.51	6.03	60.54	-44.66	105.20	105	40	Peak
5	5925.000	46.40	6.20	52.60	-15.60	68.20	105	40	Peak
6	* 5986.430	47.30	6.40	53.71	-14.49	68.20	105	40	Peak

Note:

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

EUT	Mobile Inspection Assistant	Date of Test	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	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	5792.080	96.61	5.75	102.36	N/A	N/A	190	90	Peak
2	5850.000	56.18	5.95	62.13	-60.07	122.20	190	90	Peak
3	5855.000	55.57	5.96	61.53	-49.27	110.80	190	90	Peak
4	5875.000	50.07	6.03	56.10	-49.10	105.20	190	90	Peak
5	5925.000	44.64	6.20	50.84	-17.36	68.20	190	90	Peak
6	* 5983.900	47.01	6.40	53.41	-14.79	68.20	190	90	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 (dB μ V)	AV (dB μ V)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

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

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

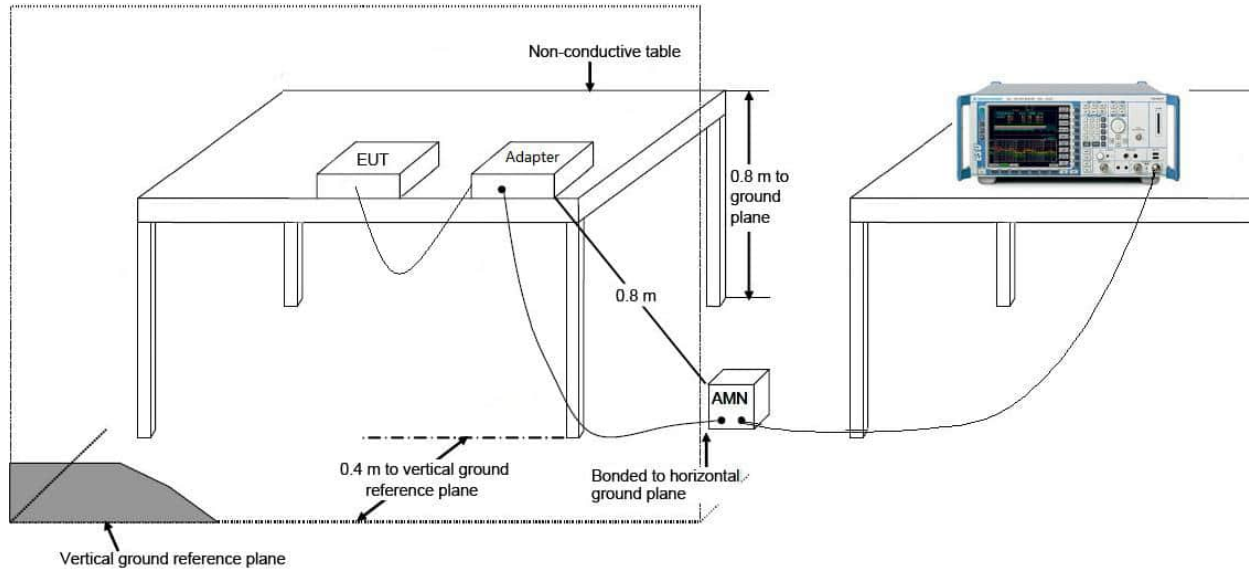
7.10.2. Test Procedure

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.

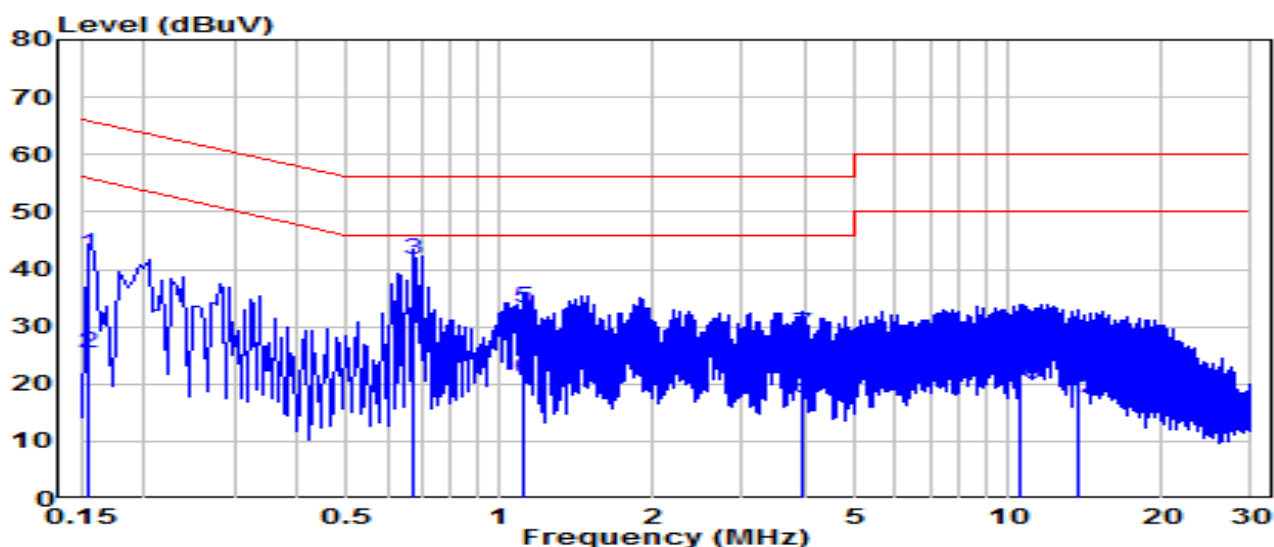
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3. Test Setup



7.10.4. Test Result

EUT	Industry inspection Device	Date of Test	2024-11-25
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	24.5°C /61%
Polarity	Line1	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0	Test Voltage	AC 120V/60Hz

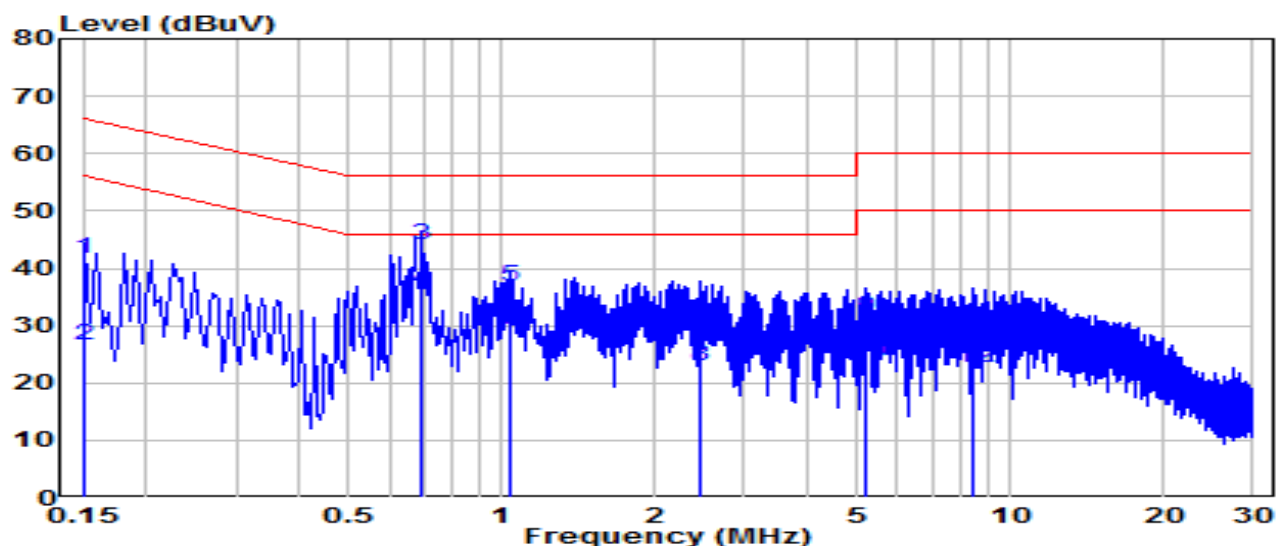


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.154	32.94	9.63	42.57	-23.19	65.75	QP
2		0.154	15.86	9.63	25.49	-30.27	55.75	Average
3	*	0.676	31.93	9.66	41.59	-14.41	56.00	QP
4	*	0.676	20.75	9.66	30.41	-15.59	46.00	Average
5		1.108	23.44	9.68	33.12	-22.88	56.00	QP
6		1.108	11.27	9.68	20.95	-25.05	46.00	Average
7		3.916	18.91	9.73	28.64	-27.36	56.00	QP
8		3.916	7.90	9.73	17.63	-28.37	46.00	Average
9		10.571	18.17	9.87	28.05	-31.95	60.00	QP
10		10.571	10.01	9.87	19.88	-30.12	50.00	Average
11		13.658	16.85	9.89	26.74	-33.26	60.00	QP
12		13.658	7.61	9.89	17.50	-32.50	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	Industry inspection Device	Date of Test	2024-11-25
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	24.5°C /61%
Polarity	Neutral	Site / Test Engineer	SR2 / Ryan
Test Mode	802.11ac-20MHz_TX_Band1_CH 40_ANT 0	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1		0.150	31.97	9.63	41.60	-24.40	66.00	QP
2		0.150	17.08	9.63	26.71	-29.29	56.00	Average
3	*	0.694	34.33	9.66	43.99	-12.01	56.00	QP
4	*	0.694	26.65	9.66	36.31	-9.69	46.00	Average
5		1.032	27.26	9.68	36.94	-19.06	56.00	QP
6		1.032	19.51	9.68	29.19	-16.81	46.00	Average
7		2.458	19.99	9.72	29.71	-26.29	56.00	QP
8		2.458	13.35	9.72	23.06	-22.94	46.00	Average
9		5.198	21.57	9.76	31.33	-28.67	60.00	QP
10		5.198	13.81	9.76	23.57	-26.43	50.00	Average
11		8.443	19.99	9.85	29.84	-30.16	60.00	QP
12		8.443	12.81	9.85	22.66	-27.34	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 **Industry Inspection Device**, is in compliance with Part 15E of the FCC Rules.

Appendix A : Test Photograph

Refer to “2411TW7401-UT” file.

Appendix B : External Photograph

Refer to “2411TW7401-UE” file.

Appendix C : Internal Photograph

Refer to “2411TW7401-UI” file.

_____ The End _____