



MEASUREMENT REPORT

FCC ID : 2AQ5W-G60PRO

APPLICANT : AMobile Solutions Corp.

Application Type : Certification

Product : Industry Inspection Device

Model No. : G60 Pro

Brand Name : AMobile

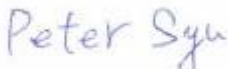
FCC Classification : (DTS) Digital Transmission System

FCC Rule Part(s) : Part 15.247

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

Received Date : August 20, 2024

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

Test By : 
(Peter Syu)

Reviewed By : 
(Paddy Chen)

Approved By : 
(Chenz Ker)



The test results only relate to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10. 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-U4	1.0	Original Report	2025-04-15	

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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

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

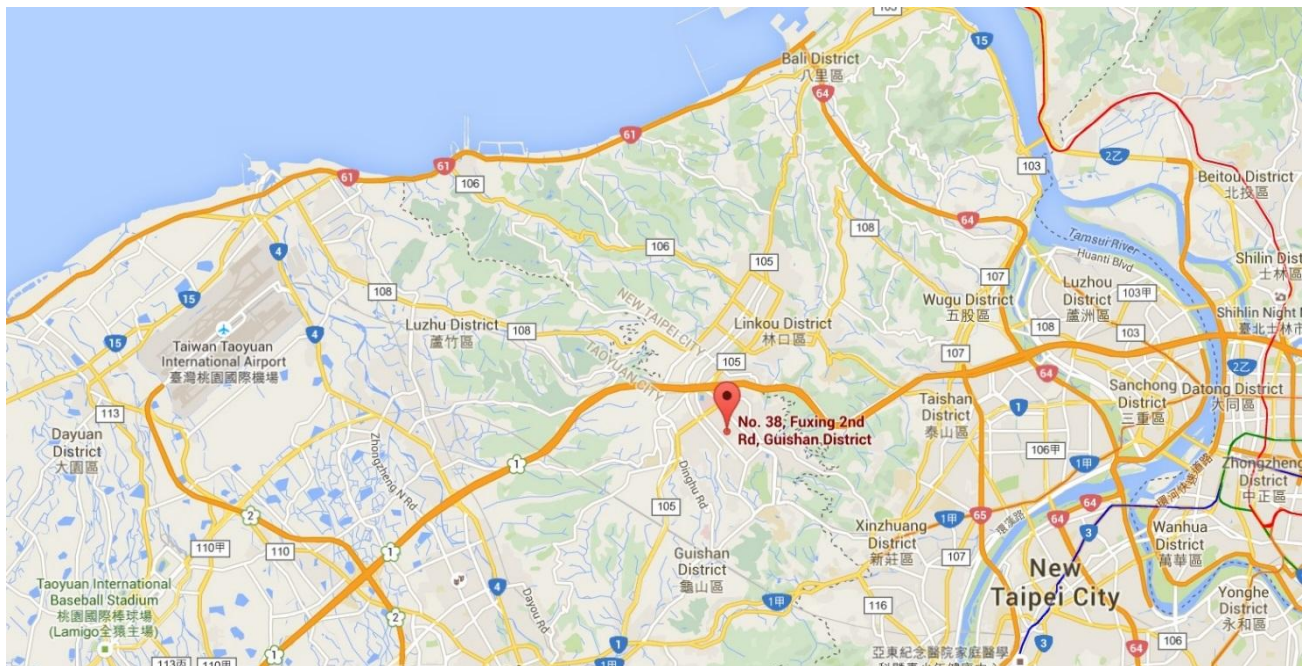
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the 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 802.11b/g/n-HT20: 2412 ~ 2462 MHz For 802.11n-HT40: 2422 ~ 2452 MHz
Type of Modulation	802.11b: DSSS, DBPSK, DQPSK, CCK 802.11g/n: OFDM, BPSK, QPSK, 16QAM, 64QAM
Data Rate	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 150Mbps

2.3. Working Frequencies for this Report

802.11b/g/n-20M

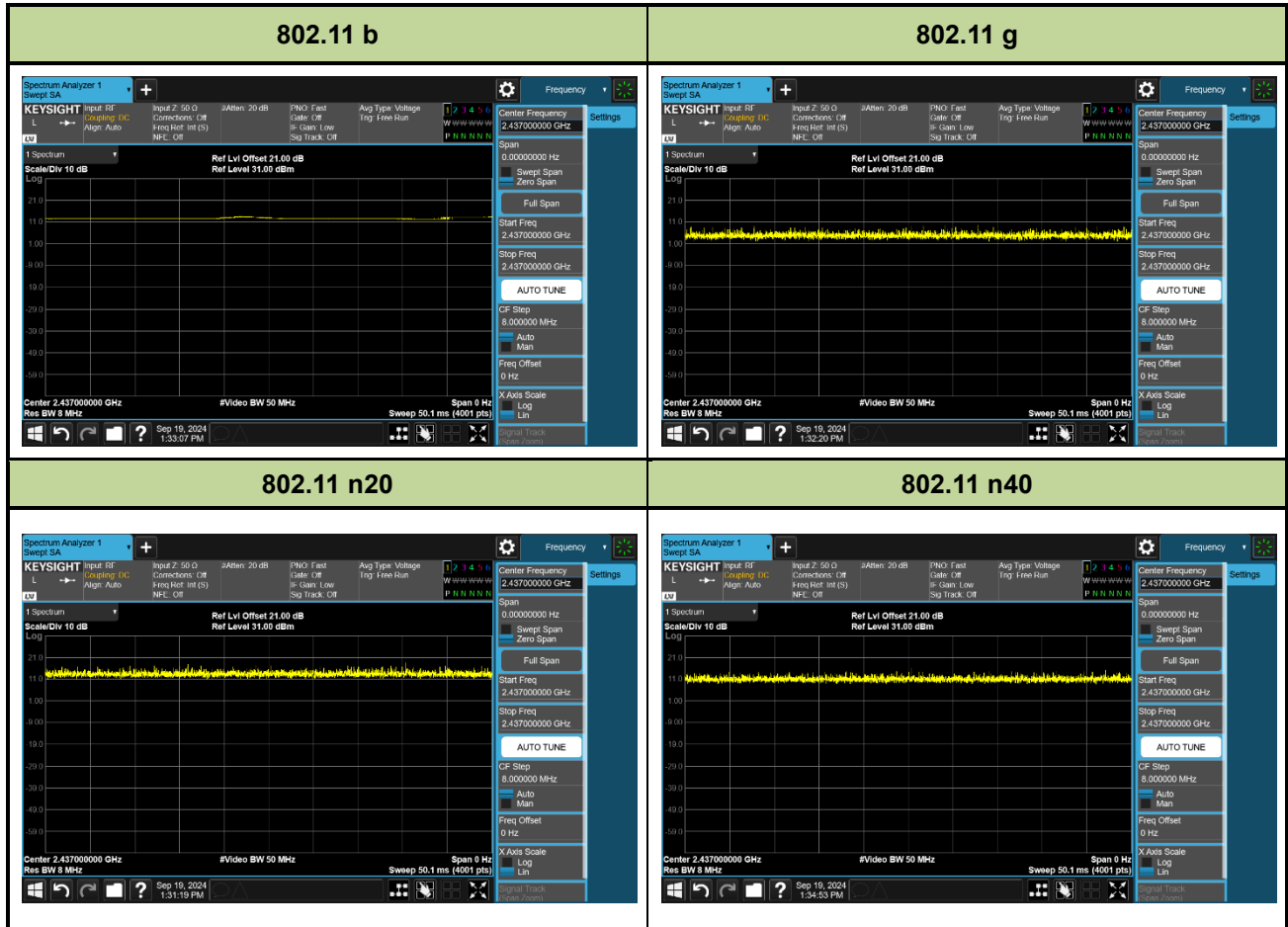
Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz
06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	--	--	--	--

Duty Cycle

Test Mode	Duty Cycle
802.11b	100.00%
802.11g	100.00%
802.11 n-HT20	100.00%
802.11 n-HT40	100.00%



2.4. Test Mode

Test Mode	Mode 1: Transmit by 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n-20M
	Mode 4: Transmit by 802.11n-40M

Note:

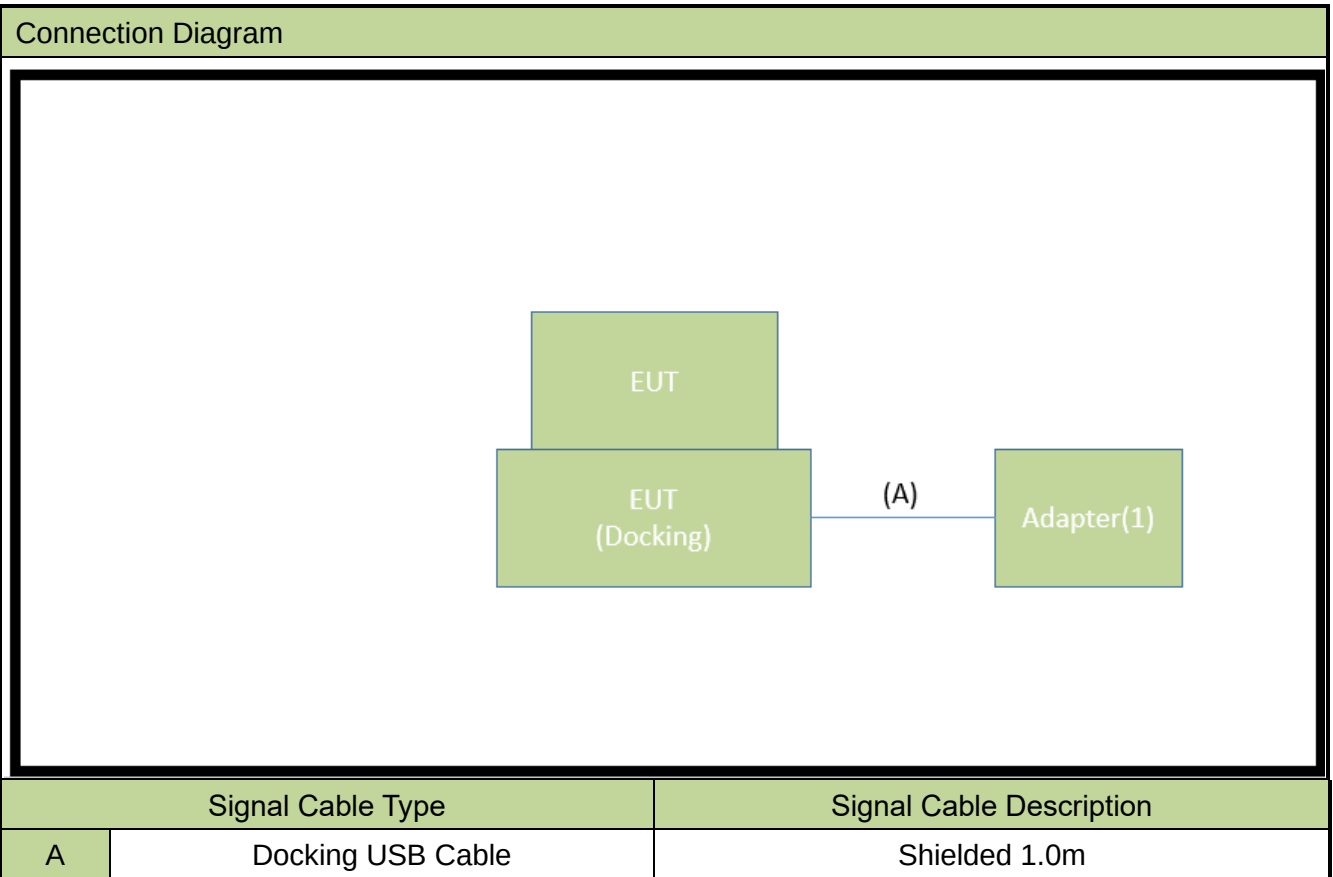
1. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.

2.5. Test Software

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

2.6. Test Configuration

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



2.7. Test System Details

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

2.8. EMI Suppression Device(s)/Modifications

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

2.9. 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 558074 D01v05 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, 50 Ω /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 which 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 7.8.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, 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, which 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.

Radiated emissions test results are shown in Section 7.6 & 7.7 .

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	3.35dBi

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- B1C50-500CM	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
Cable	Rosnol	K1K50-UP0264- K1K50-4M	MRTTWE00012	1 year	2025/6/14
Temperature/Humidity Meter	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

Conducted Test Equipment – SR5

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% ($U=2U_c(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
Radiated Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 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% ($U=2U_c(y)$): $\pm 78.4\text{Hz}$
Conducted Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.84\text{dB}$
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 2.65\text{ dB}$
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 3.3\%$
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.82^\circ\text{C}/ \pm 3\%$
DC Voltage
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.3\%$

7. TEST RESULT

7.1. Summary

Product Name: Industry Inspection Device
FCC Classification: (DTS) Digital Transmission System
Data Rate(s) Tested: 1Mbps ~ 11Mbps (b); 6Mbps ~ 54Mbps (g);
6.5/7.2Mbps ~ 130/144.4Mbps (n-20M);
13.5/15Mbps ~ 270/300Mbps (n-40M)

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.247(a)(2)	6dB Bandwidth	$\geq 500\text{kHz}$	Conducted	Pass	Section 7.2
15.247(b)(3)	Output Power	$\leq 30.00\text{dBm}$		Pass	Section 7.3
15.247(e)	Power Spectral Density	$\leq 8.00\text{dBm}/3\text{kHz}$		Pass	Section 7.4
15.247(d)	Out-of-Band Emissions	Conducted $\geq 20\text{dBc}$		Pass	Section 7.5
15.205 15.209	Spurious Emission	< FCC 15.209 limits	Radiated	Pass	Section 7.6
15.205 15.209	Band Edge Measurement	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$		Pass	Section 7.7
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.8

Notes:

- 1) Determining compliance is based on the test results met the regulation limits or requirements declared by clients, and the test results don't take into account the value of measurement uncertainty.
- 2) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 3) 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.
- 4) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

7.2. 6dB Bandwidth Measurement

7.2.1. Test Limit

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

7.2.2. Test Procedure used

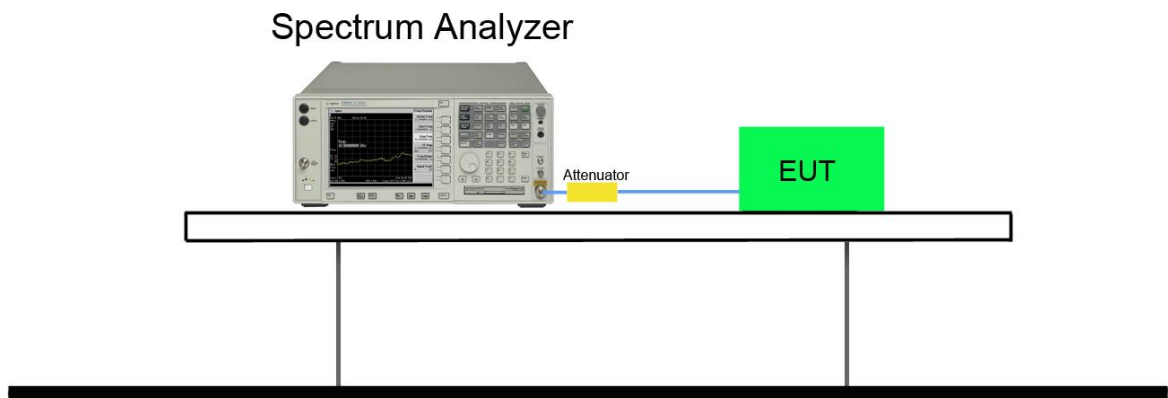
ANSI C63.10 - 2013 Section 11.8

7.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set 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 was allowed to stabilize

P.S In 99% bandwidth, The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW

7.2.4. Test Setup

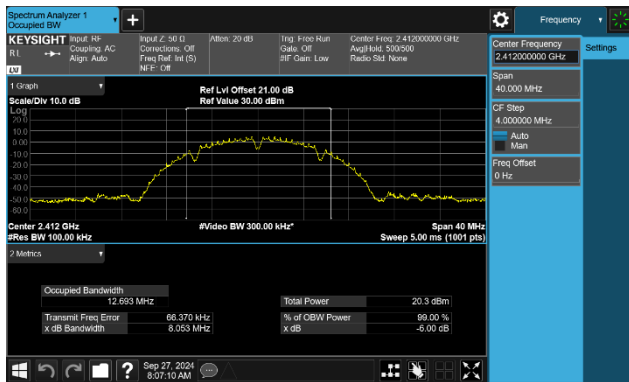


7.2.5. Test Result

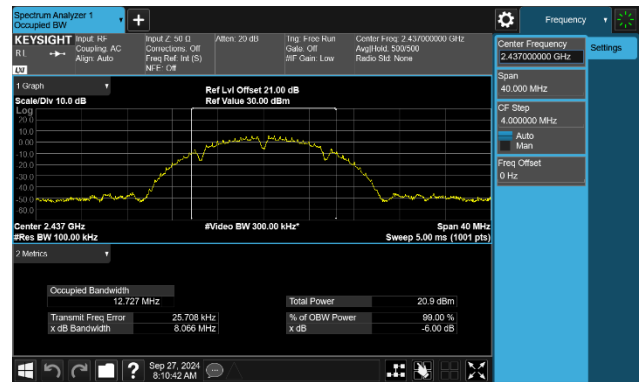
6dB Bandwidth

Test Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	2412	8.053	≥ 0.5	Pass
802.11b	06	2437	8.066	≥ 0.5	Pass
802.11b	11	2462	8.027	≥ 0.5	Pass
802.11g	01	2412	16.38	≥ 0.5	Pass
802.11g	06	2437	16.37	≥ 0.5	Pass
802.11g	11	2462	16.39	≥ 0.5	Pass
802.11n-20M	01	2412	17.60	≥ 0.5	Pass
802.11n-20M	06	2437	17.62	≥ 0.5	Pass
802.11n-20M	11	2462	17.63	≥ 0.5	Pass
802.11n-40M	03	2422	36.01	≥ 0.5	Pass
802.11n-40M	06	2437	36.28	≥ 0.5	Pass
802.11n-40M	09	2452	36.29	≥ 0.5	Pass

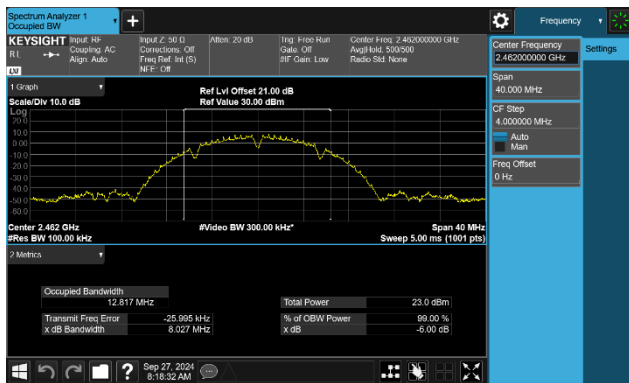
802.11 b CH01 (2412MHz)



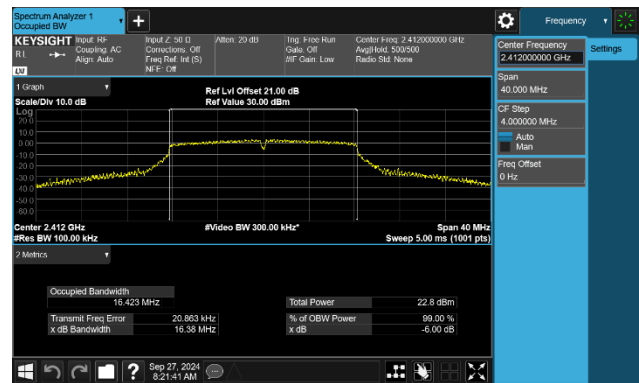
802.11 b CH06 (2437MHz)



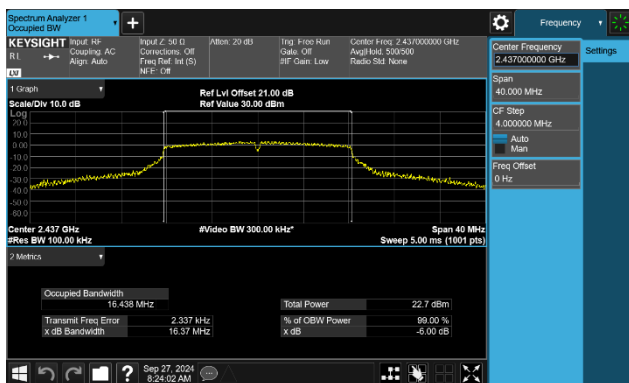
802.11 b CH11 (2462MHz)



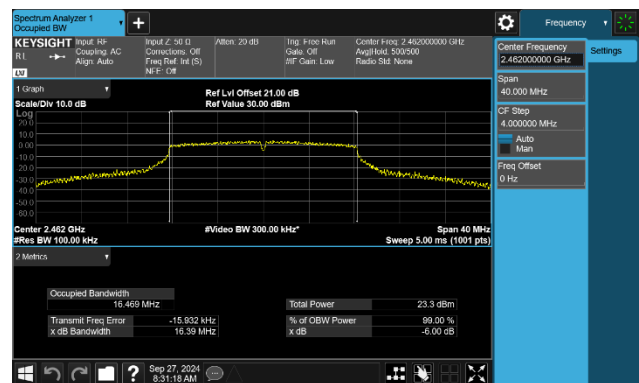
802.11 g CH01 (2412MHz)



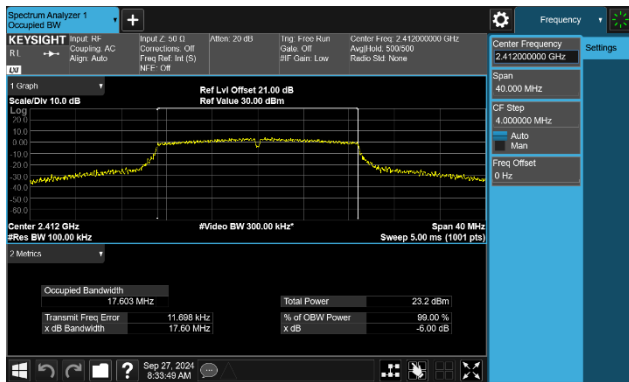
802.11 g CH06 (2437MHz)



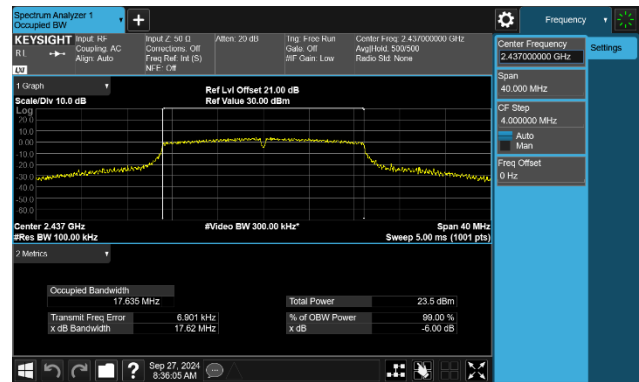
802.11 g CH11 (2462MHz)



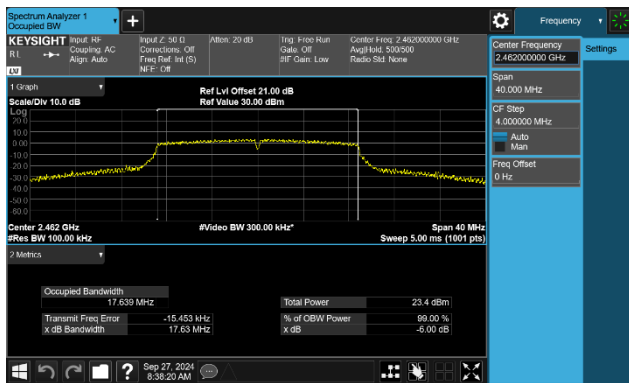
802.11 n-20M CH01 (2412MHz)



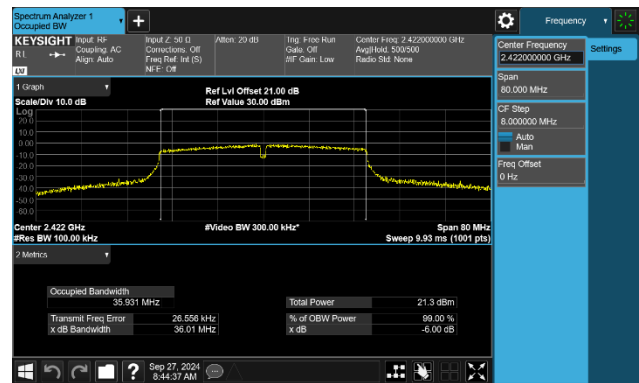
802.11 n-20M CH06 (2437MHz)



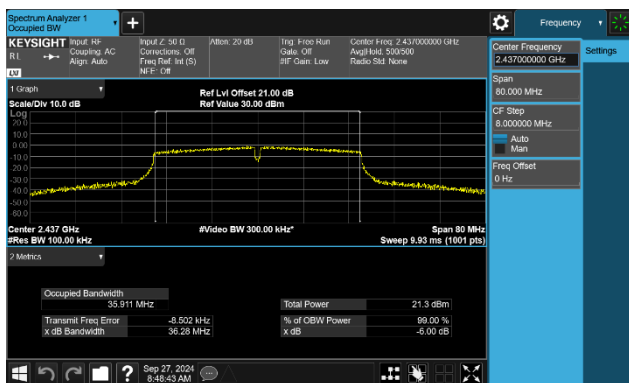
802.11 n-20M CH11 (2462MHz)



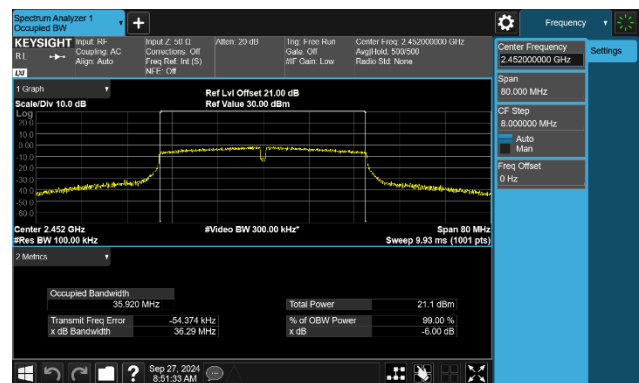
802.11 n-40M CH03 (2422MHz)



802.11 n-40M CH06 (2437MHz)



802.11 n-40M CH09 (2452MHz)



7.3. Output Power Measurement

7.3.1. Test Limit

The maximum out power shall be less 1 Watt (30dBm).

7.3.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.9.2.3.2

7.3.3. Test Setting

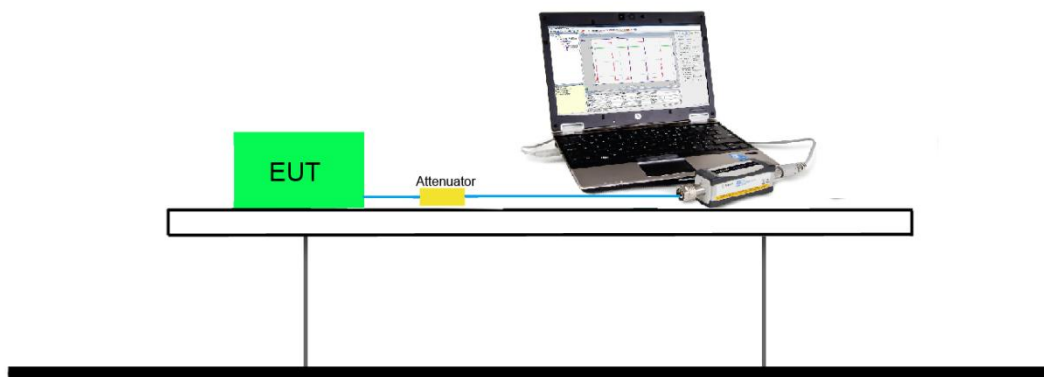
Peak Power Measurement

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.3.4. Test Setup



7.3.5. Test Result of Output Power

Model	Rate	Ch.	Freq. (MHz)	Average Power (dBm) [Report only]	Peak Power (dBm)	Power Limit (dBm)
802.11b	1M	1	2412	14.05	16.52	30.00
	1M	6	2437	14.98	17.47	30.00
	1M	11	2462	17.04	19.44	30.00
802.11g	6M	1	2412	17.86	26.17	30.00
	6M	6	2437	17.60	25.65	30.00
	6M	11	2462	17.83	25.63	30.00
802.11n- HT20	MCS0	1	2412	18.09	26.08	30.00
	MCS0	6	2437	18.40	25.74	30.00
	MCS0	11	2462	18.17	25.71	30.00
802.11n- HT40	MCS0	3	2422	16.23	25.42	30.00
	MCS0	6	2437	16.19	25.29	30.00
	MCS0	9	2452	16.14	25.42	30.00

Note: Output power = Reading value on power meter + duty cycle factor + cable loss °

7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

7.4.2. Test Procedure Used

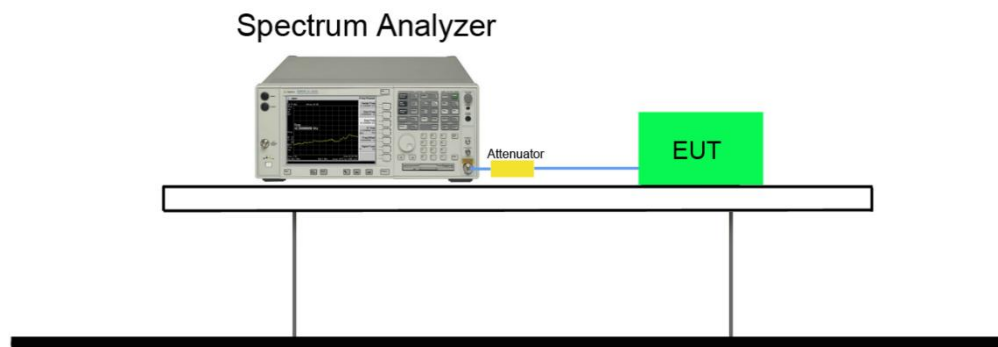
ANSI C63.10 - 2013 Section 11.10.5

7.4.3. Test Setting

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to: 3 kHz.
- d) Set the VBW $\geq 3 \times$ RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.

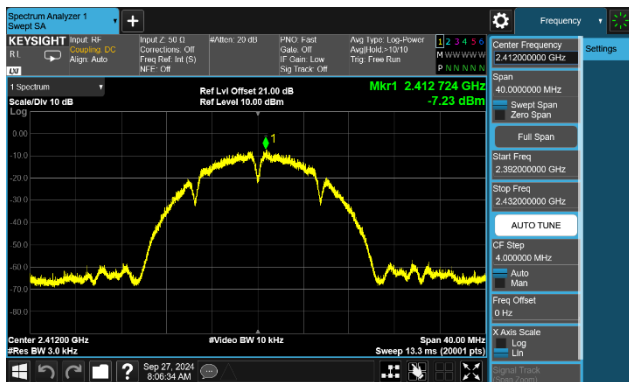
7.4.4. Test Setup



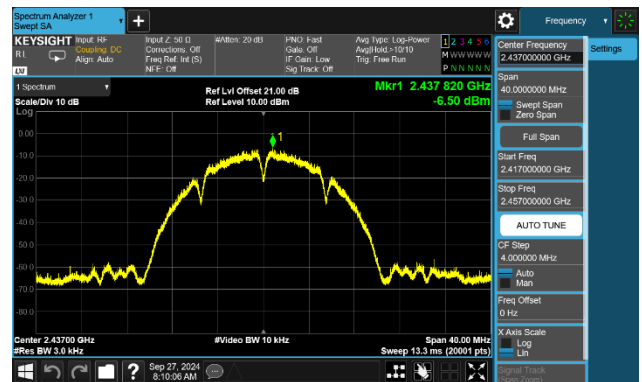
7.4.5. Test Result

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm)	Result
11b	1	2412	-7.23	≤ 8	Pass
11b	6	2437	-6.50	≤ 8	Pass
11b	11	2462	-4.98	≤ 8	Pass
11g	1	2412	-6.15	≤ 8	Pass
11g	6	2437	-6.32	≤ 8	Pass
11g	11	2462	-5.39	≤ 8	Pass
11n-20M	1	2412	-6.15	≤ 8	Pass
11n-20M	6	2437	-5.76	≤ 8	Pass
11n-20M	11	2462	-5.13	≤ 8	Pass
11n-40M	3	2422	-10.41	≤ 8	Pass
11n-40M	6	2437	-10.65	≤ 8	Pass
11n-40M	9	2452	-10.61	≤ 8	Pass

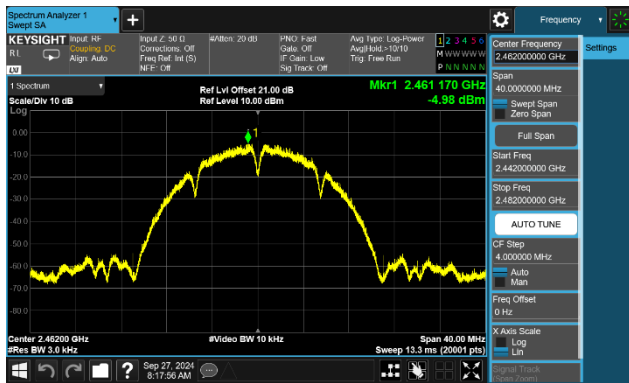
802.11 b CH01 (2412MHz)



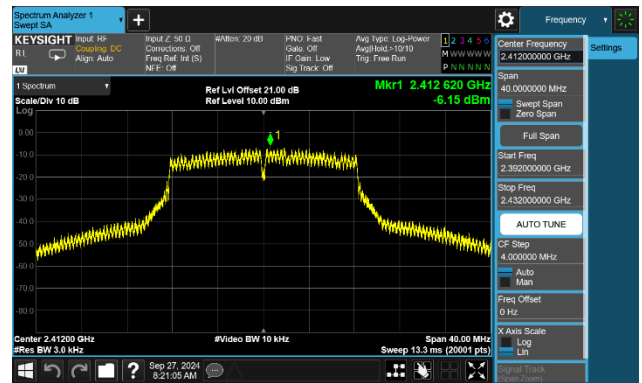
802.11 b CH06 (2437MHz)



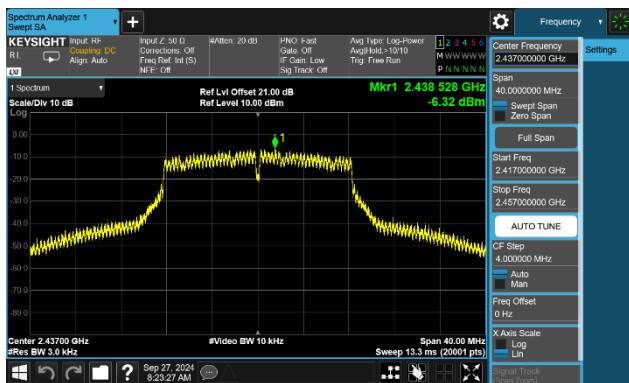
802.11 b CH11 (2462MHz)



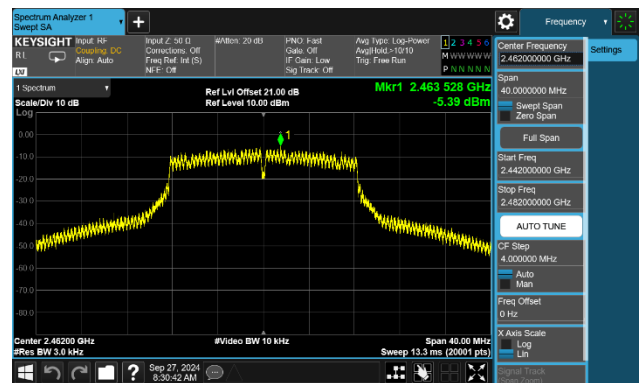
802.11 g CH01 (2412MHz)



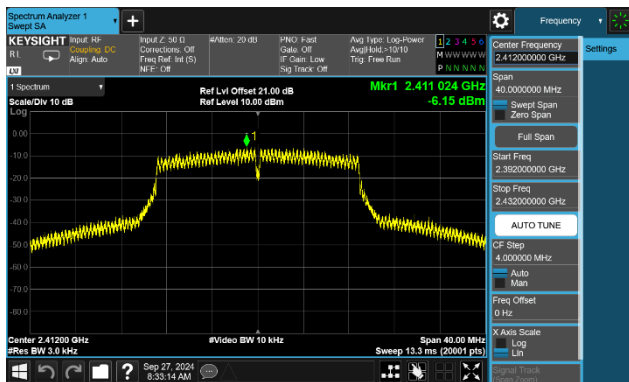
802.11 g CH06 (2437MHz)



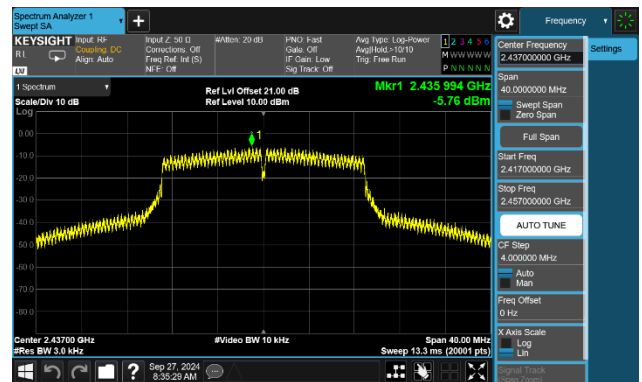
802.11 g CH11 (2462MHz)



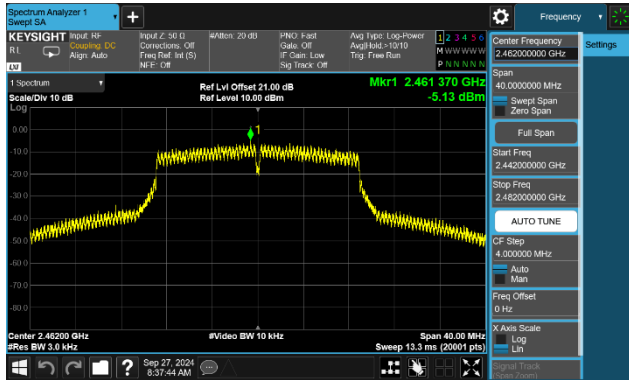
802.11 n-20M CH01 (2412MHz)



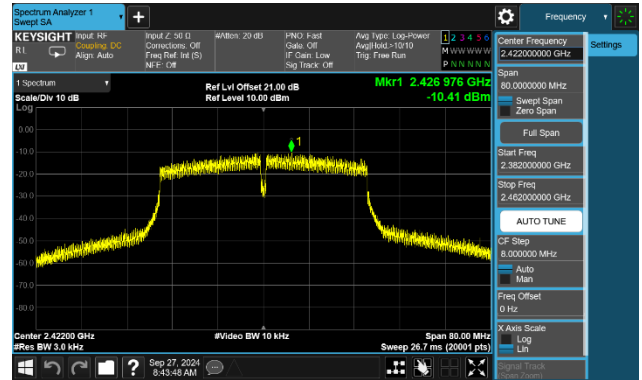
802.11 n-20M CH06 (2437MHz)



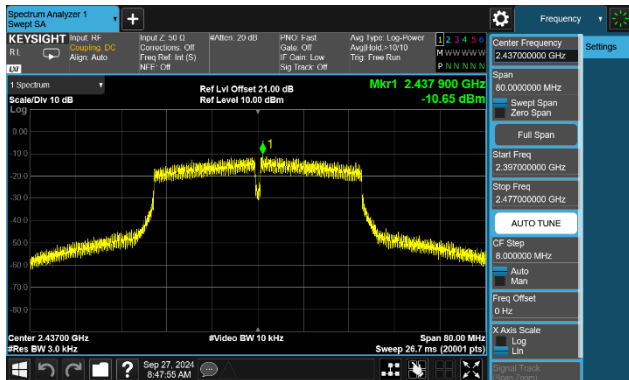
802.11 n-20M CH11 (2462MHz)



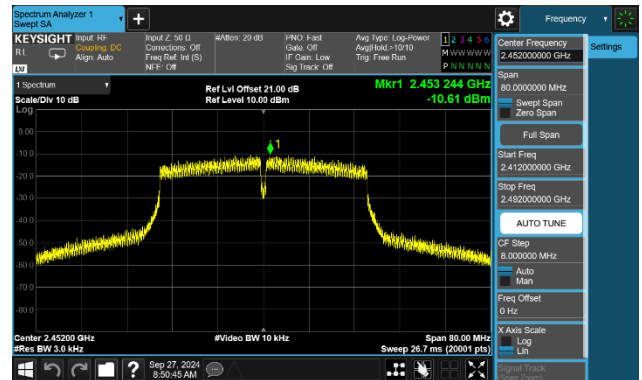
802.11 n-40M CH03 (2422MHz)



802.11 n-40M CH06 (2437MHz)



802.11 n-40M CH09 (2452MHz)



7.5. Out-of-Band Spurious Emissions Emissions Measurement

7.5.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

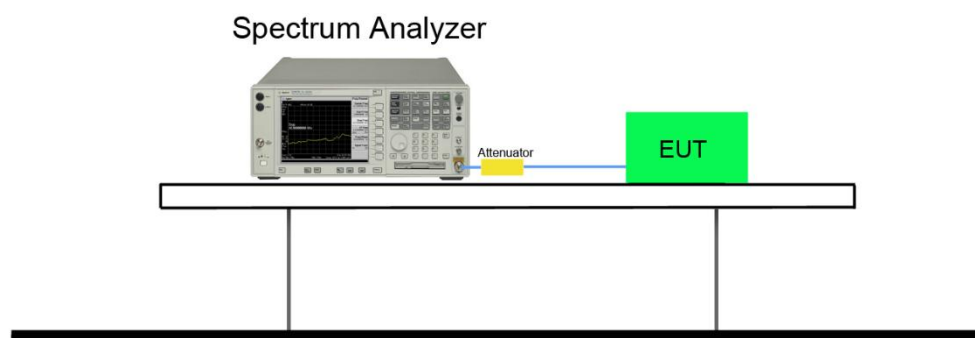
7.5.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.11

7.5.3. Test Settling

- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to ≥ 1.5 times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW $\geq 3 \times$ RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

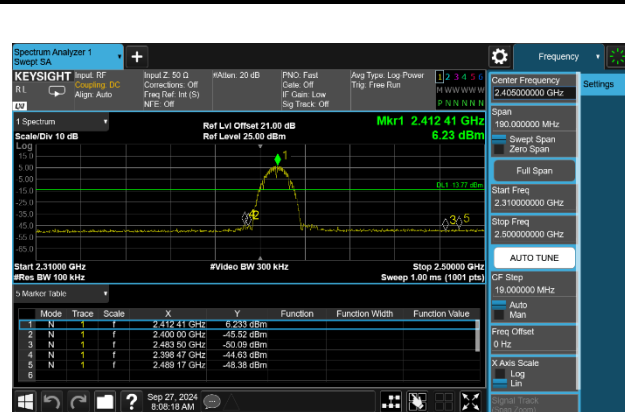
7.5.4. Test Setup



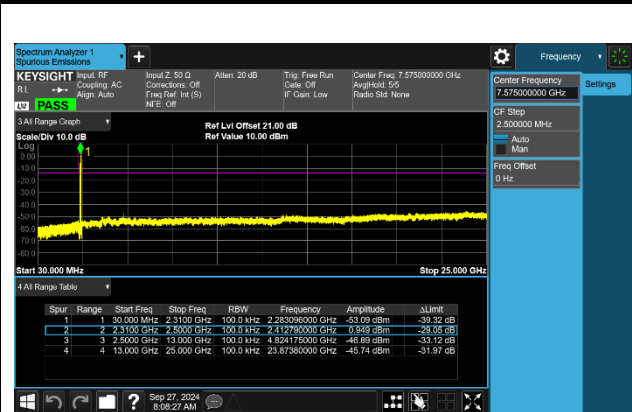
7.5.5. Test Result

Test Mode	Channel No.	Frequency (MHz)	Limit	Result
802.11b	01	2412	20dBc	Pass
802.11b	06	2437	20dBc	Pass
802.11b	11	2462	20dBc	Pass
802.11g	01	2412	20dBc	Pass
802.11g	06	2437	20dBc	Pass
802.11g	11	2462	20dBc	Pass
802.11n-20M	01	2412	20dBc	Pass
802.11n-20M	06	2437	20dBc	Pass
802.11n-20M	11	2462	20dBc	Pass
802.11n-40M	03	2422	20dBc	Pass
802.11n-40M	06	2437	20dBc	Pass
802.11n-40M	09	2452	20dBc	Pass

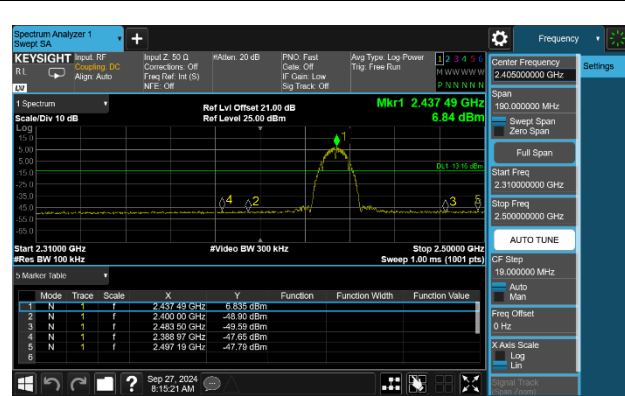
802.11 b CH01 (2412MHz)



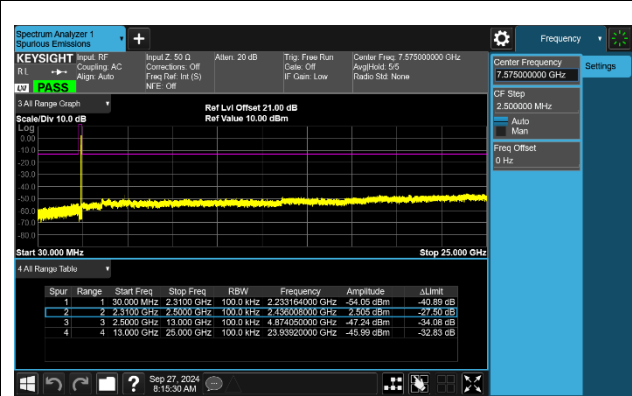
802.11 b CH01 (2412MHz)



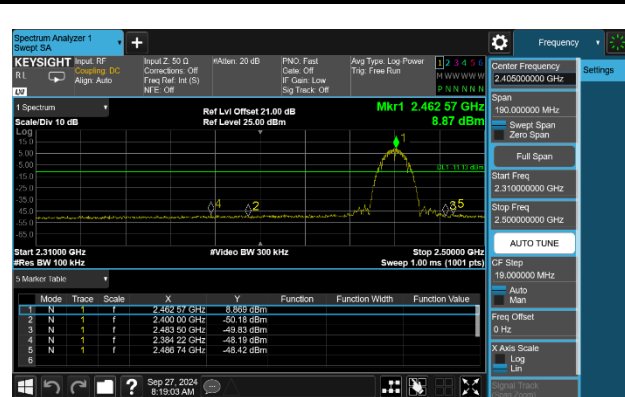
802.11 b CH06 (2437MHz)



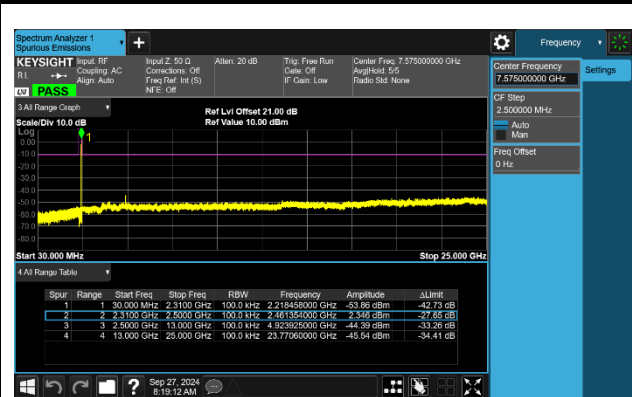
802.11 b CH06 (2437MHz)



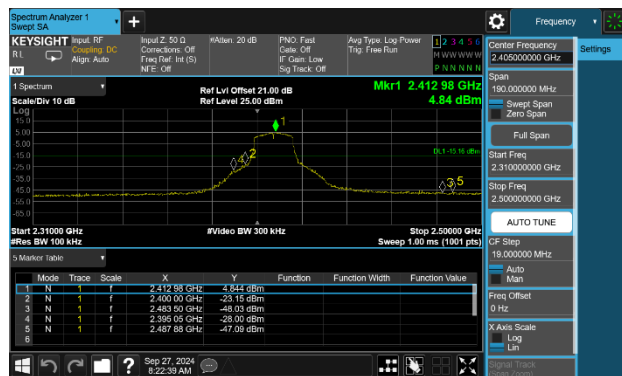
802.11 b CH11 (2462MHz)



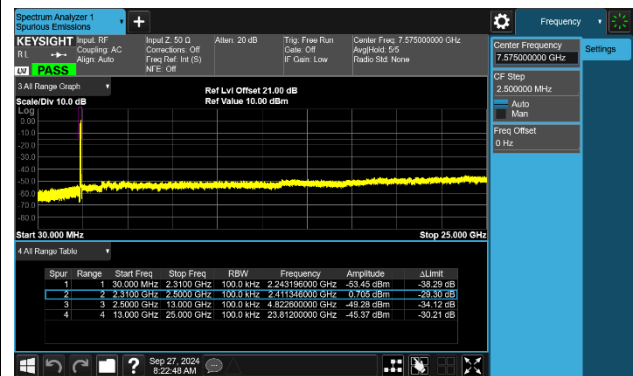
802.11 b CH11 (2462MHz)



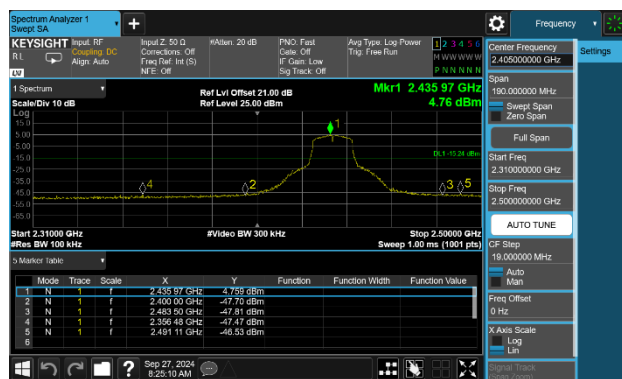
802.11 g CH01 (2412MHz)



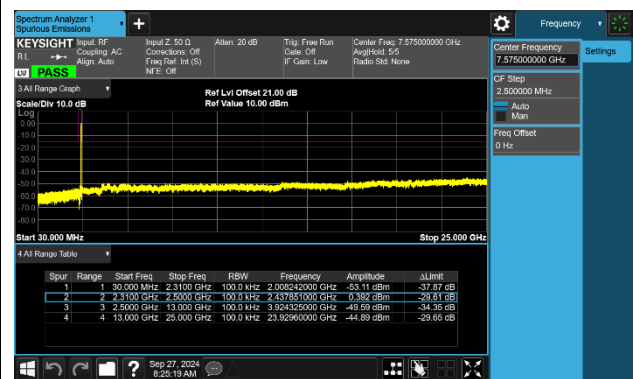
802.11 g CH01 (2412MHz)



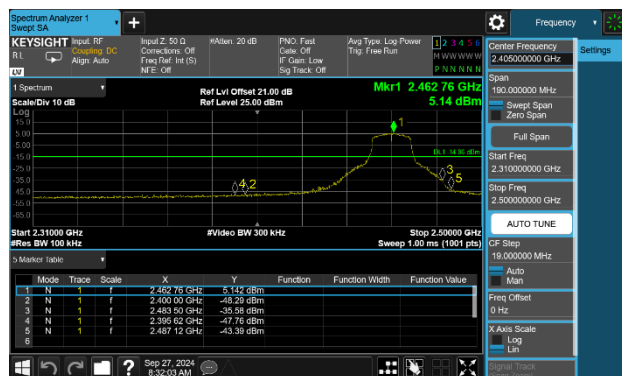
802.11 g CH06 (2437MHz)



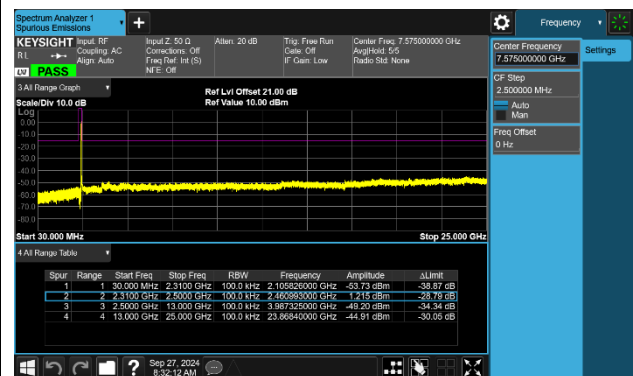
802.11 g CH06 (2437MHz)



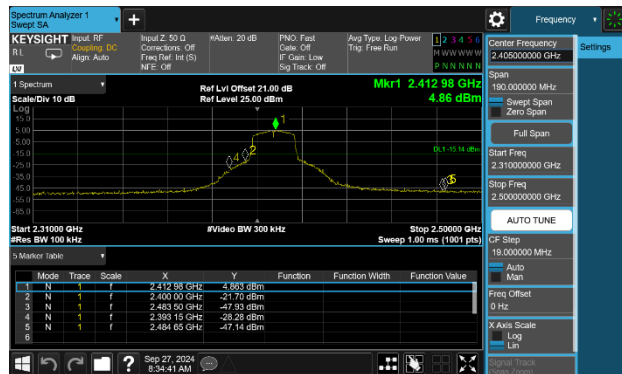
802.11 g CH11 (2462MHz)



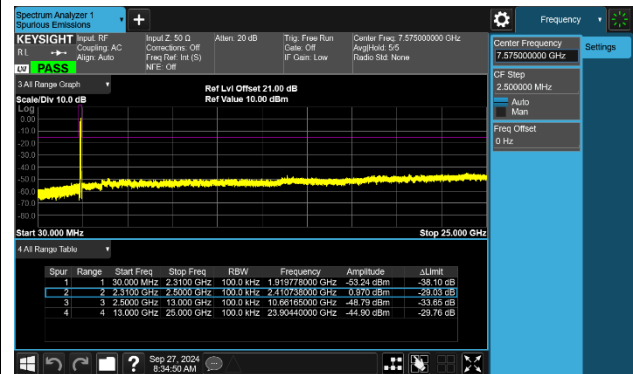
802.11 g CH11 (2462MHz)



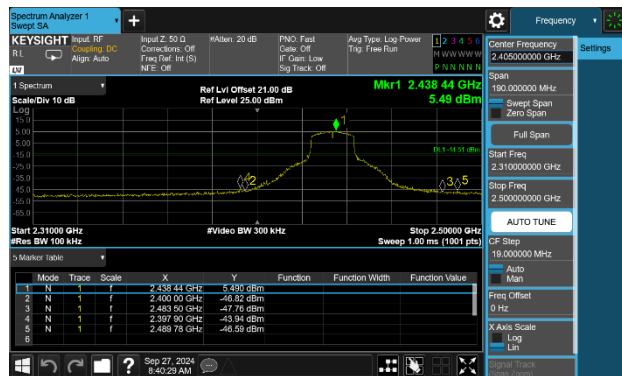
802.11 n20 CH01 (2412MHz)



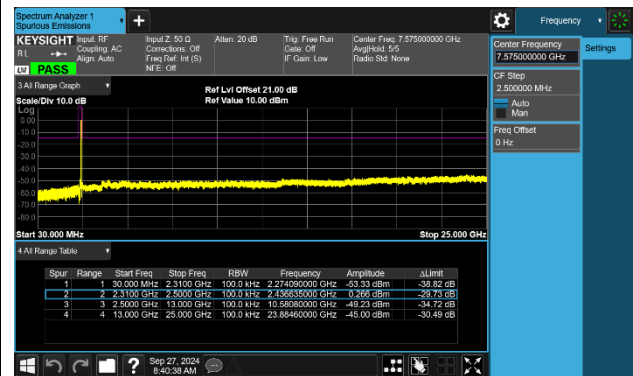
802.11 n20 CH01 (2412MHz)



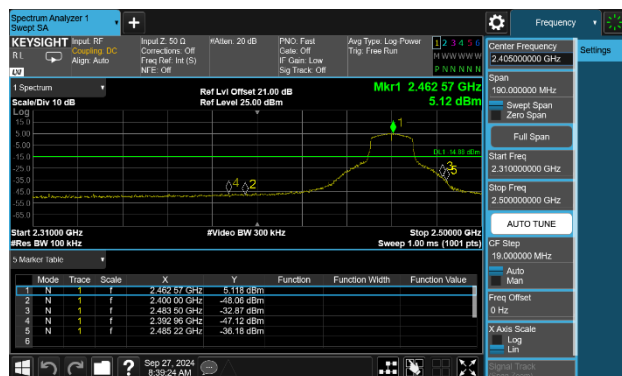
802.11 n20 CH06 (2437MHz)



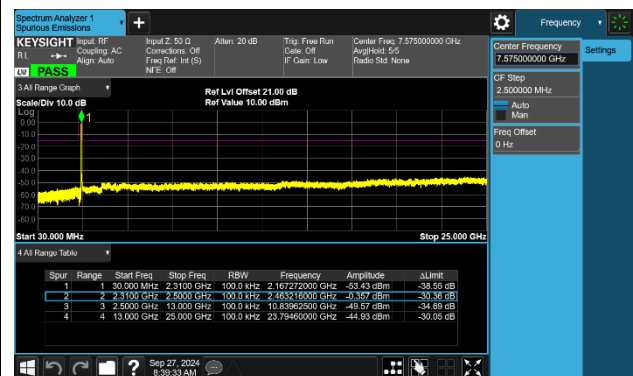
802.11 n20 CH06 (2437MHz)



802.11 n20 CH11 (2462MHz)



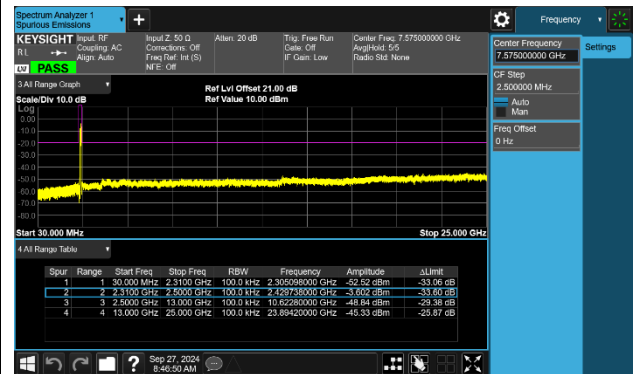
802.11 n20 CH11 (2462MHz)



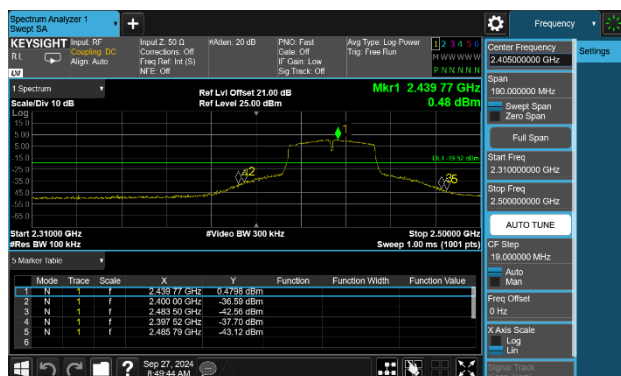
802.11 n40 CH03 (2422MHz)



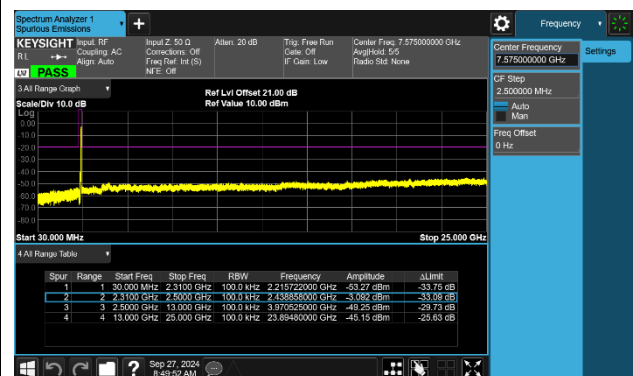
802.11 n40 CH03 (2422MHz)



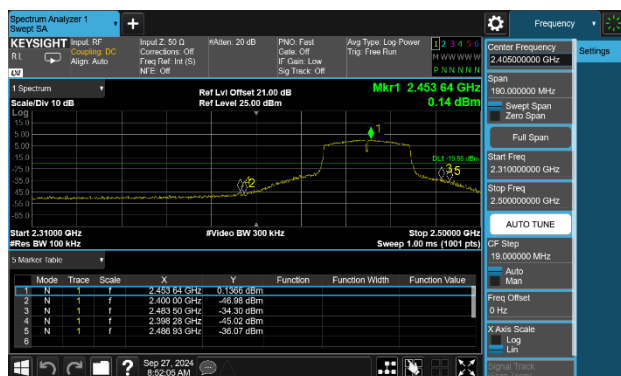
802.11 n40 CH06 (2437MHz)



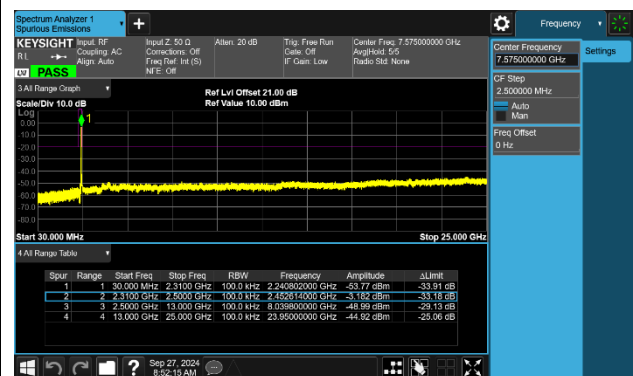
802.11 n40 CH06 (2437MHz)



802.11 n40 CH09 (2452MHz)



802.11 n40 CH09 (2452MHz)



7.6. Radiated Spurious Emission Measurement

7.6.1. 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

7.6.2. Test Procedure Used

ANSI C63.10 - 2013 Section 6.3 (General Requirements)

ANSI C63.10 - 2013 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 Section 6.6 (Standard test method above 1GHz)

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak

5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

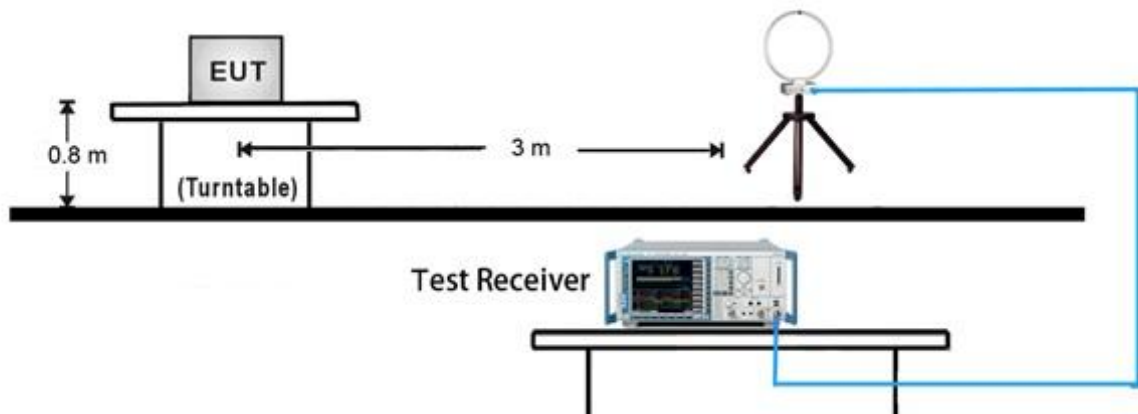
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

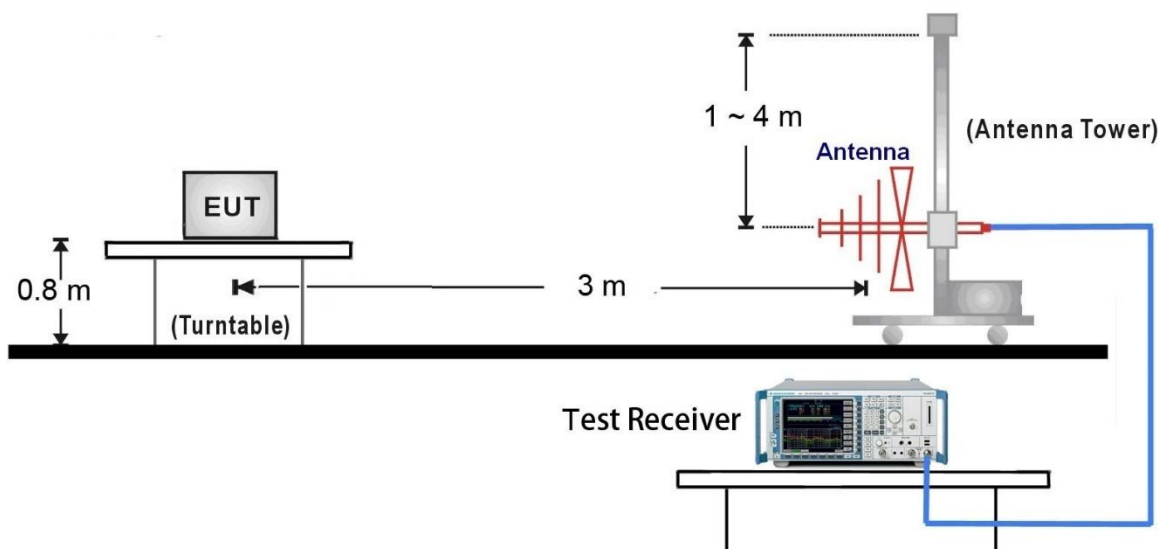
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

7.6.4. Test Setup

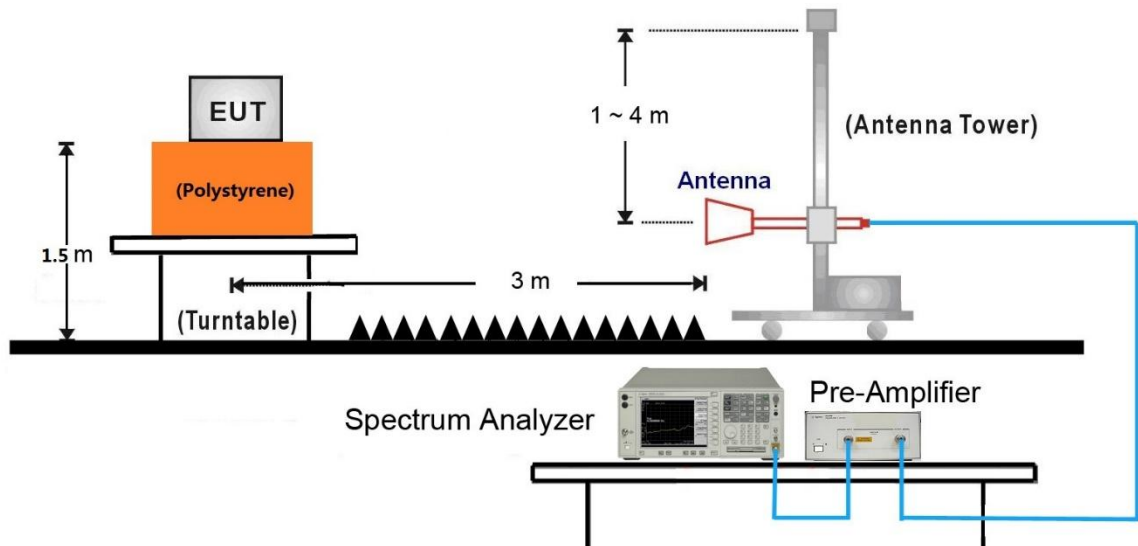
9kHz ~ 30MHz Test Setup:



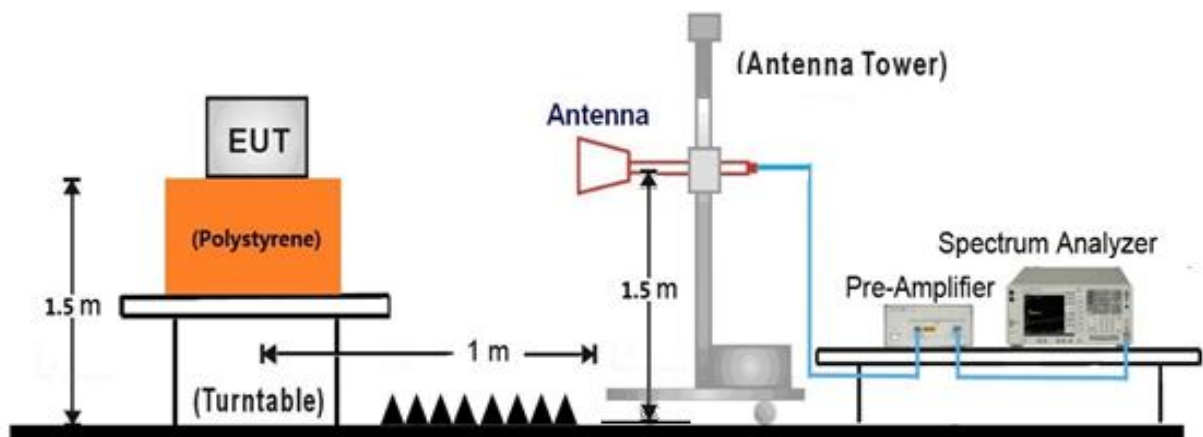
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

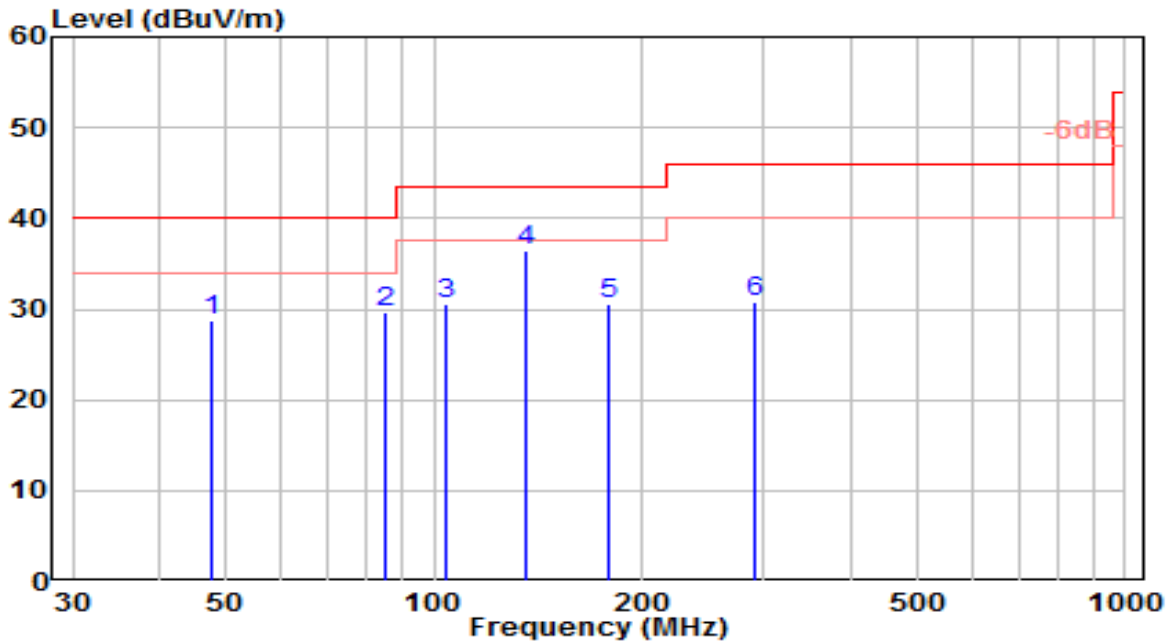


18GHz ~ 25GHz Test Setup:



7.6.5. 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_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

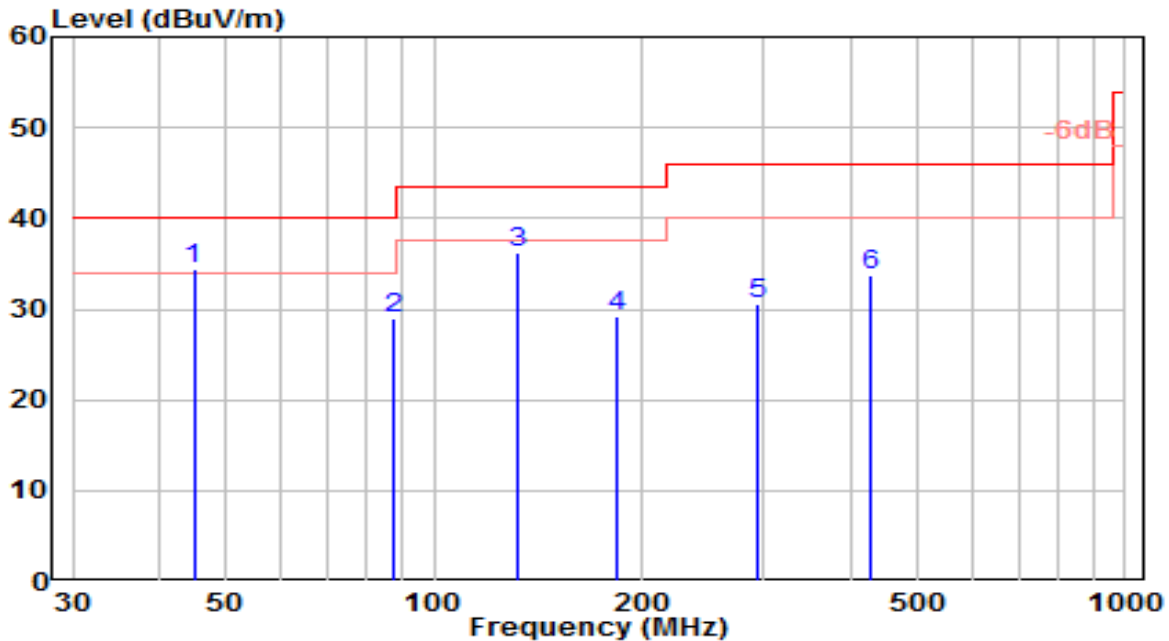


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	47.627	8.07	20.58	28.65	-11.35	40.00	150	260	QP
2	85.375	14.23	15.54	29.77	-10.23	40.00	150	50	QP
3	103.698	12.05	18.51	30.55	-12.95	43.50	100	10	QP
4	* 135.976	21.41	15.08	36.49	-7.01	43.50	150	90	QP
5	178.121	14.08	16.39	30.47	-13.03	43.50	150	30	QP
6	291.086	10.06	20.64	30.70	-15.30	46.00	100	30	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	2024-09-12
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

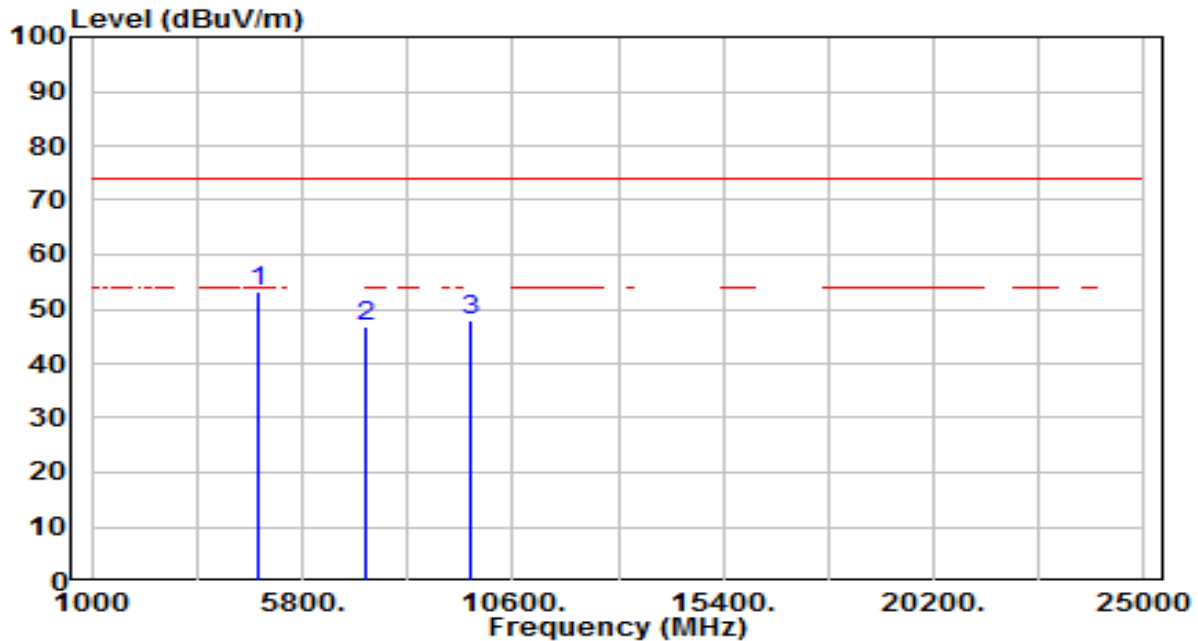


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	44.898	13.92	20.60	34.52	-5.48	40.00	100	360	QP
2		87.018	12.90	16.04	28.94	-11.06	40.00	100	355	QP
3		132.335	20.89	15.28	36.17	-7.33	43.50	100	5	QP
4		184.539	12.15	17.01	29.15	-14.35	43.50	100	30	QP
5		293.020	9.82	20.66	30.49	-15.51	46.00	150	200	QP
6		427.070	9.85	23.88	33.72	-12.28	46.00	150	290	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	2024-09-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

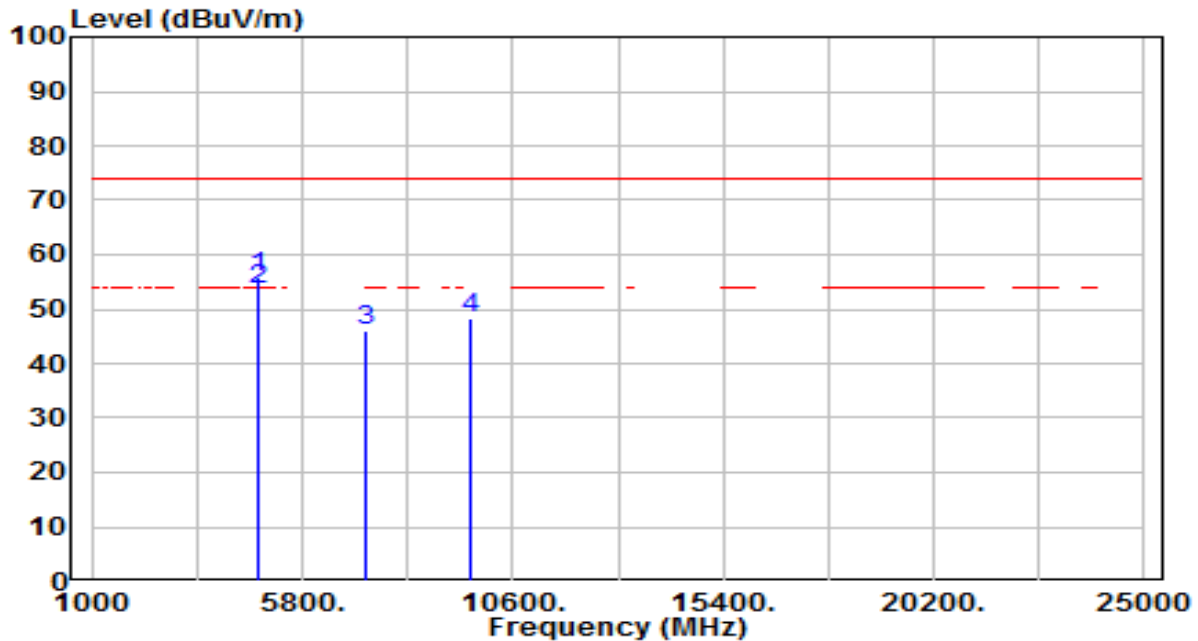


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4824.000	49.60	3.75	53.35	-20.65	74.00	100	79	Peak
2	7236.000	35.08	11.68	46.75	-27.25	74.00	100	360	Peak
3	9648.000	32.31	15.77	48.07	-25.93	74.00	100	139	Peak

Note:

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

EUT	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	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

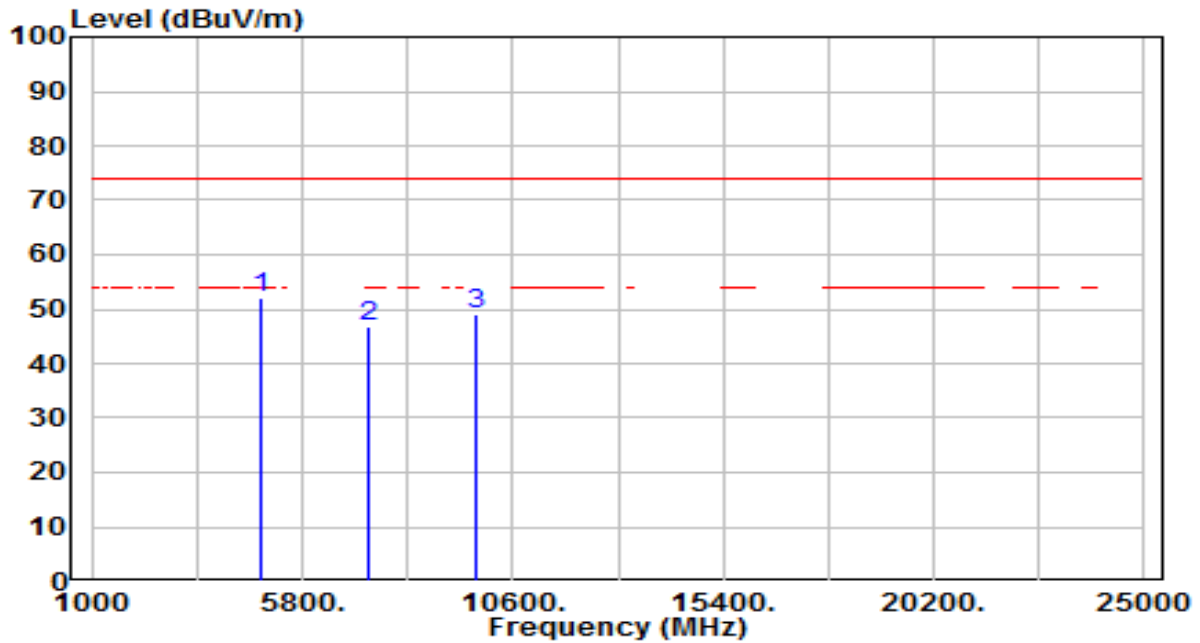


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	52.11	3.75	55.86	-18.14	74.00	100	313	Peak
2	*	4824.000	49.71	3.75	53.46	-0.54	54.00	100	313	Average
3		7236.000	34.46	11.68	46.14	-27.86	74.00	100	6	Peak
4		9648.000	32.66	15.77	48.43	-25.57	74.00	100	141	Peak

Note:

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

EUT	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	802.11b_TX_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

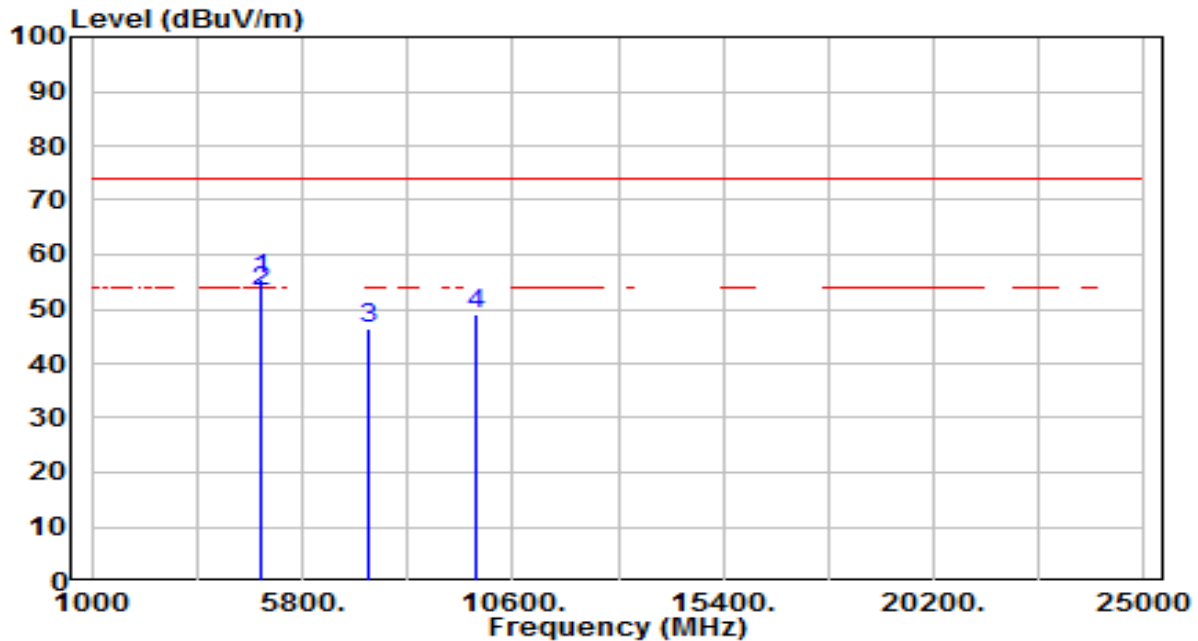


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4874.000	48.39	3.84	52.22	-21.78	74.00	100	79	Peak
2	7311.000	34.74	11.94	46.68	-27.32	74.00	100	147	Peak
3	9748.000	33.13	15.95	49.08	-24.92	74.00	100	79	Peak

Note:

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

EUT	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	802.11b_TX_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

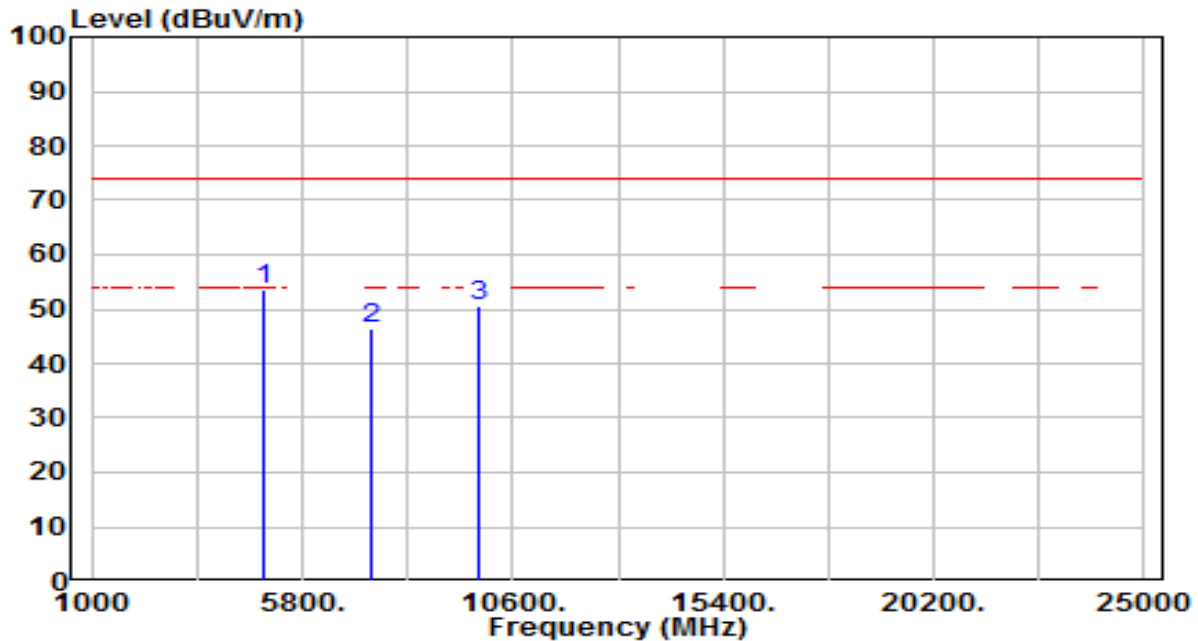


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	51.51	3.84	55.35	-18.65	74.00	100	315	Peak
2	*	4874.000	49.32	3.84	53.16	-0.84	54.00	100	315	Average
3		7311.000	34.60	11.94	46.54	-27.46	74.00	100	262	Peak
4		9748.000	33.03	15.95	48.99	-25.01	74.00	100	148	Peak

Note:

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

EUT	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	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

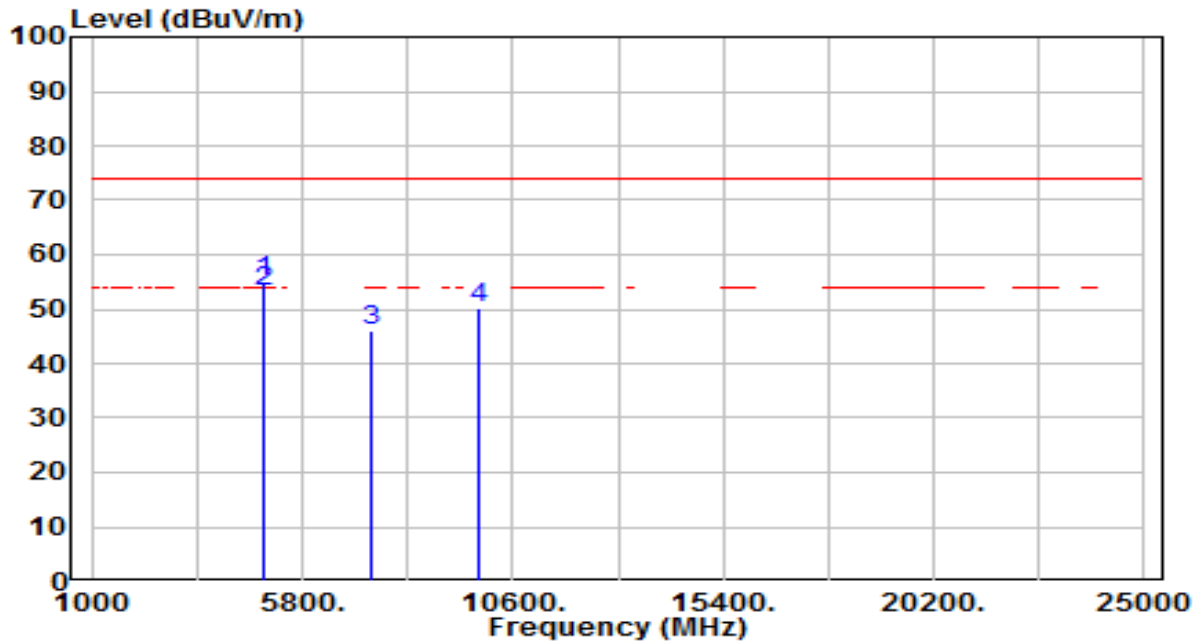


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4924.000	49.68	3.92	53.61	-20.39	74.00	100	100	Peak
2		7386.000	34.25	12.21	46.46	-27.54	74.00	100	6	Peak
3		9848.000	34.26	16.14	50.40	-23.60	74.00	100	221	Peak

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	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

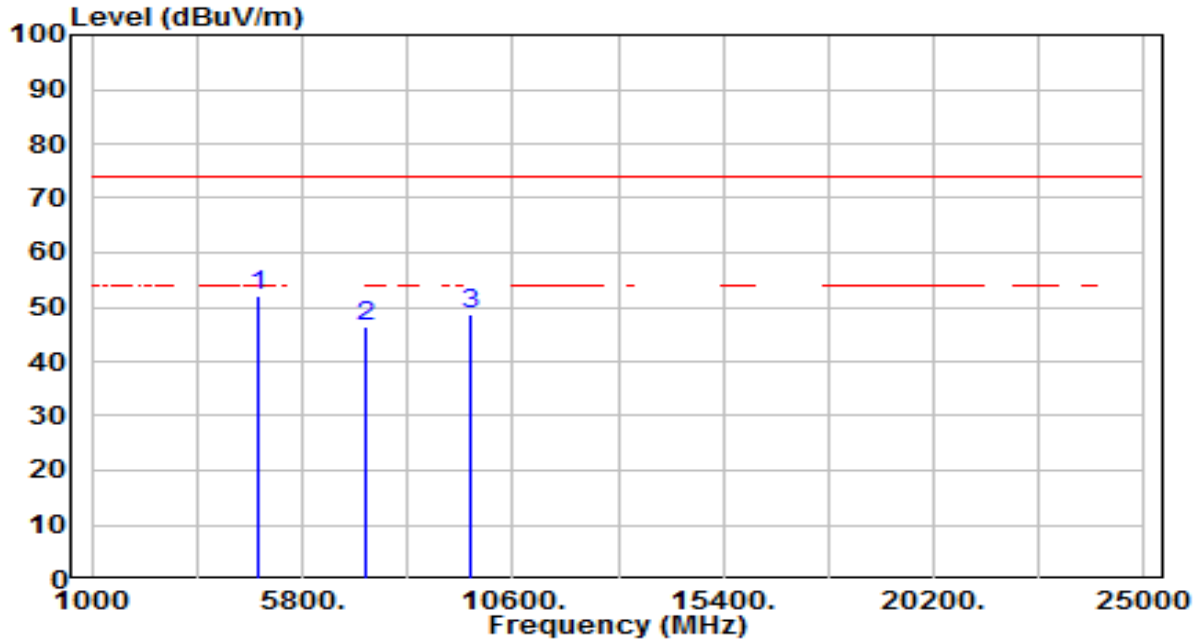


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4924.000	51.33	3.92	55.25	-18.75	74.00	100	310	Peak
2	*	4924.000	49.29	3.92	53.21	-0.79	54.00	100	310	Average
3		7386.000	33.79	12.21	45.99	-28.01	74.00	100	116	Peak
4		9848.000	34.17	16.14	50.31	-23.69	74.00	100	102	Peak

Note:

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

EUT	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	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

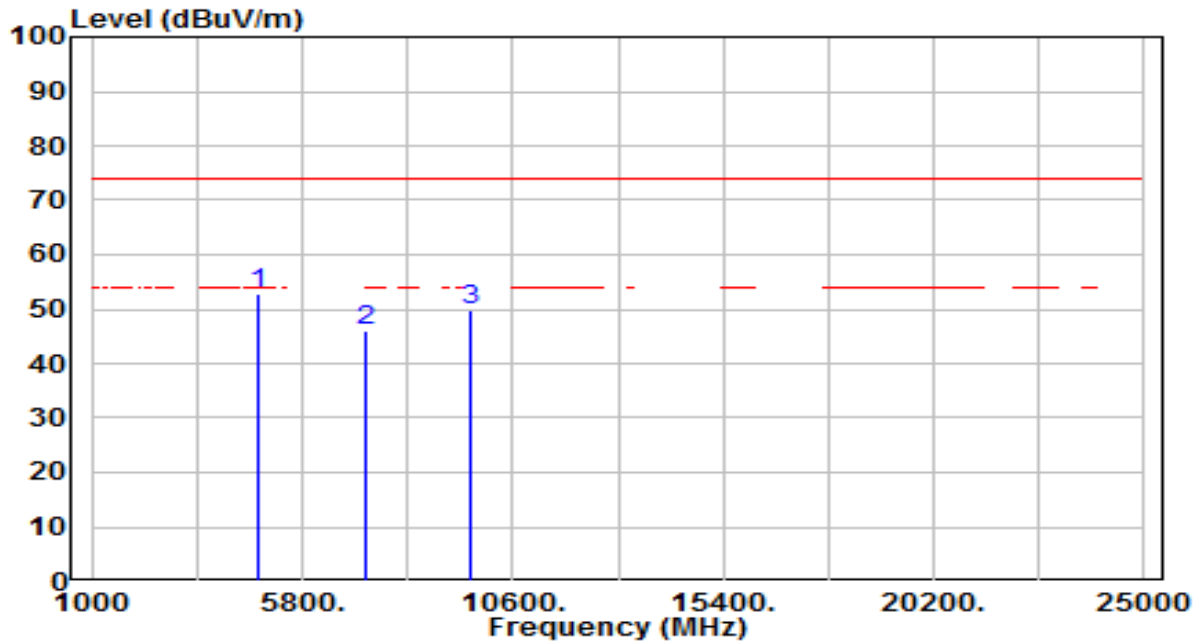


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4824.000	48.16	3.75	51.90	-22.10	74.00	100	88	Peak
2	7236.000	34.61	11.68	46.28	-27.72	74.00	100	28	Peak
3	9648.000	32.94	15.77	48.71	-25.29	74.00	100	253	Peak

Note:

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

EUT	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	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

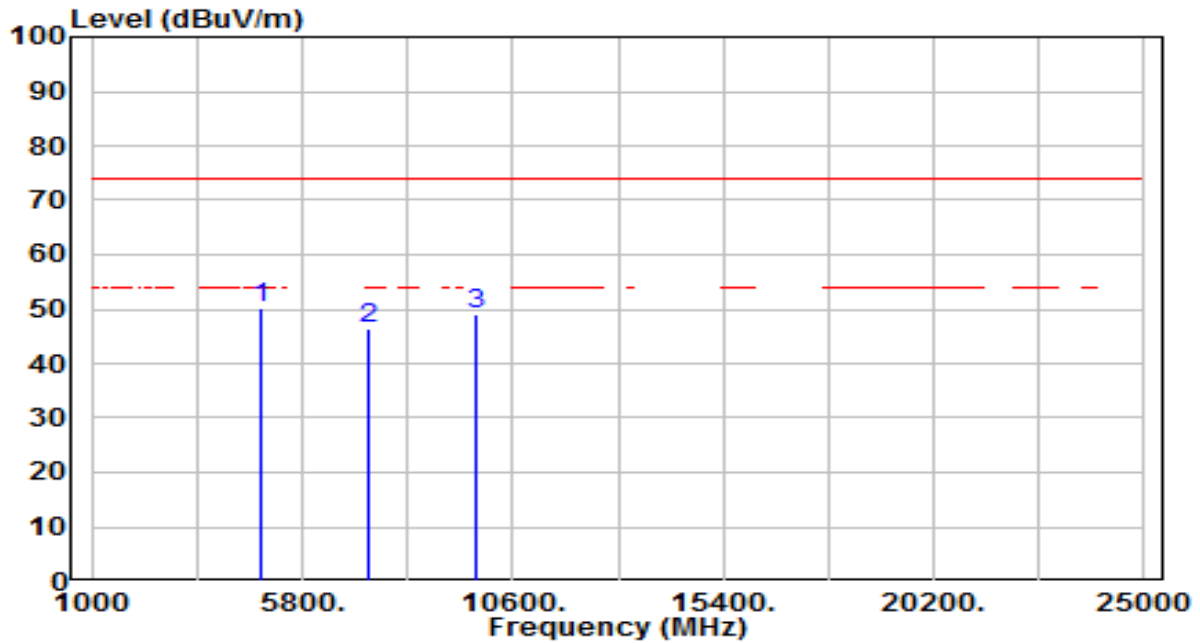


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4824.000	49.04	3.75	52.79	-21.21	74.00	100	322	Peak
2	7236.000	34.35	11.68	46.03	-27.97	74.00	100	65	Peak
3	9648.000	33.96	15.77	49.73	-24.27	74.00	100	237	Peak

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	802.11g_TX_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

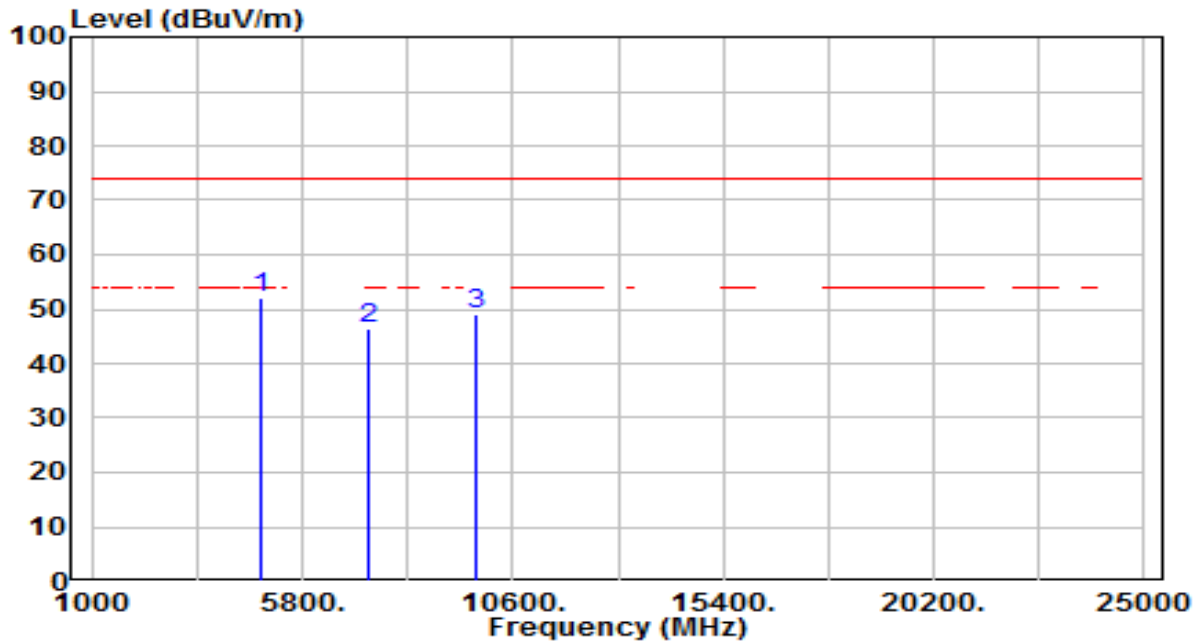


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	46.29	3.84	50.13	-23.87	74.00	100	79	Peak
2		7311.000	34.50	11.94	46.45	-27.55	74.00	100	75	Peak
3		9748.000	33.12	15.95	49.07	-24.93	74.00	100	175	Peak

Note:

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

EUT	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	802.11g_TX_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

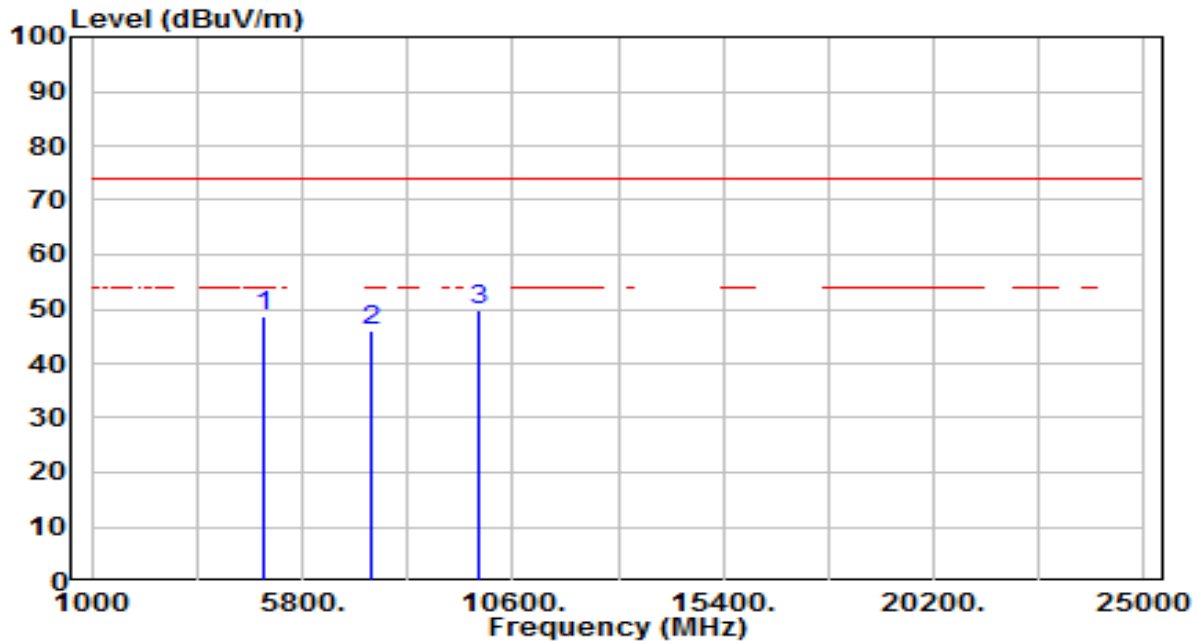


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	48.06	3.84	51.90	-22.10	74.00	100	311	Peak
2		7311.000	34.41	11.94	46.35	-27.65	74.00	100	54	Peak
3		9748.000	33.13	15.95	49.08	-24.92	74.00	100	180	Peak

Note:

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

EUT	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	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

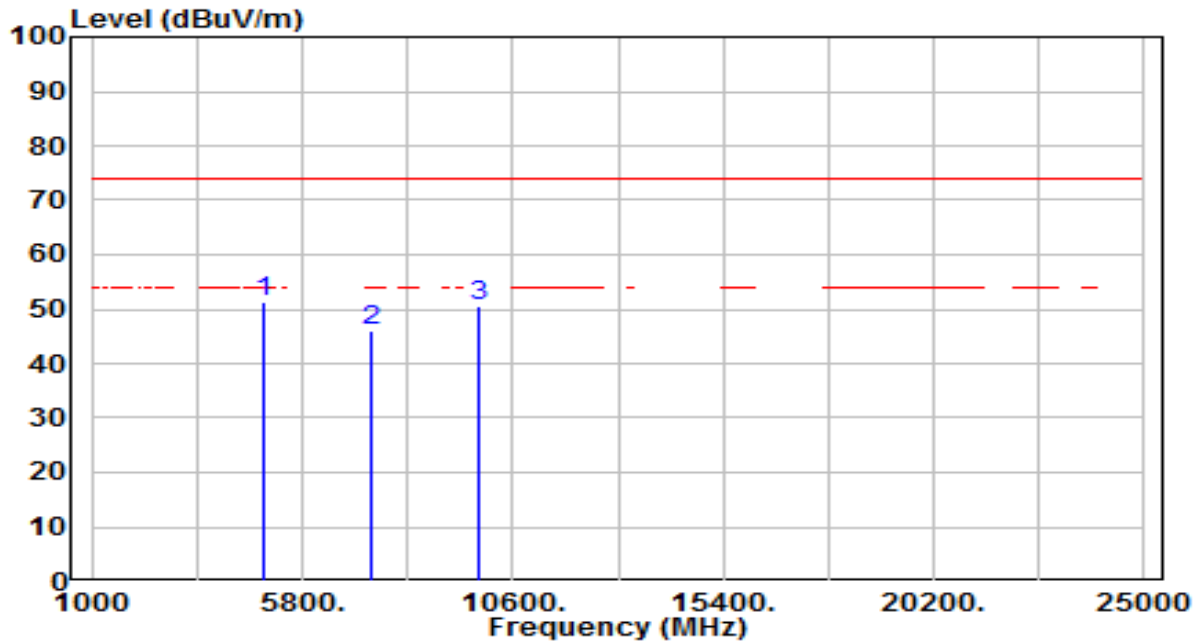


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	44.90	3.92	48.82	-25.18	74.00	100	84	Peak
2	7386.000	33.73	12.21	45.94	-28.06	74.00	100	161	Peak
3	* 9848.000	33.59	16.14	49.73	-24.27	74.00	100	73	Peak

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	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

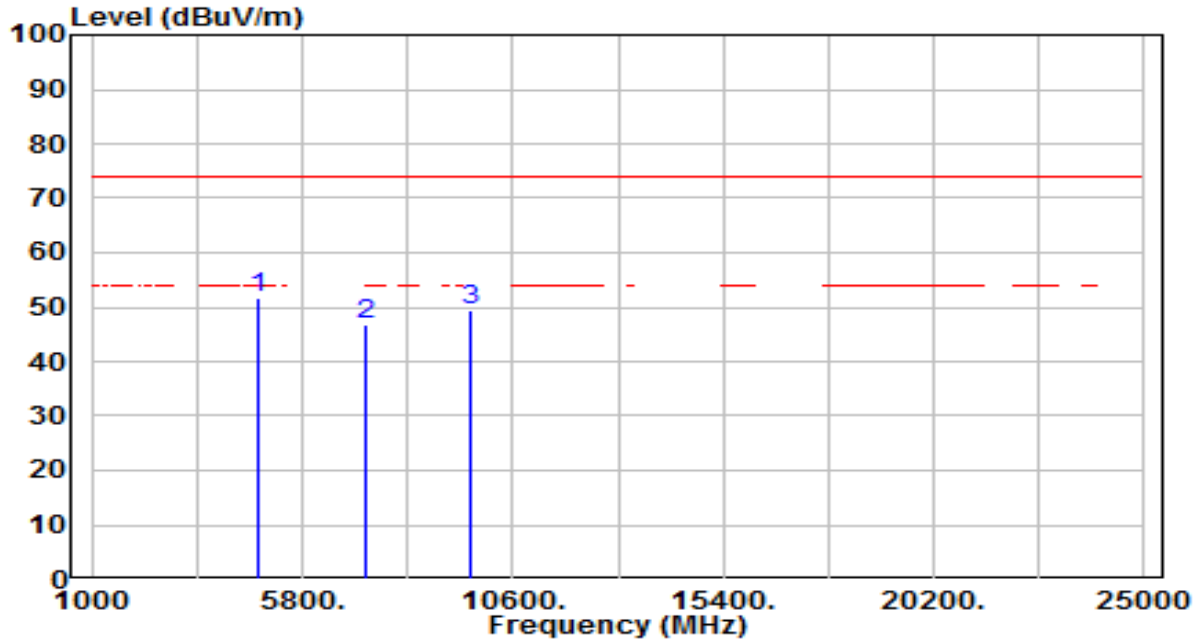


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4924.000	47.42	3.92	51.35	-22.65	74.00	100	299	Peak
2	7386.000	33.95	12.21	46.16	-27.84	74.00	100	52	Peak
3	9848.000	34.55	16.14	50.69	-23.31	74.00	100	327	Peak

Note:

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

EUT	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_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

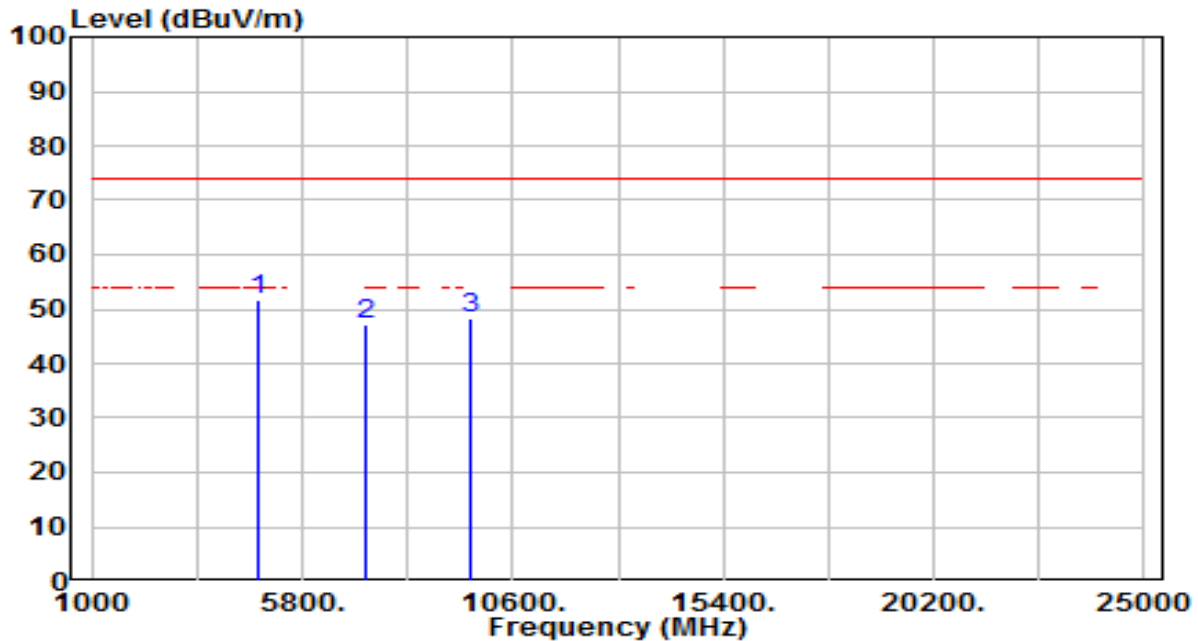


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4824.000	47.90	3.75	51.65	-22.35	74.00	100	77	Peak
2	7236.000	35.28	11.68	46.96	-27.04	74.00	100	292	Peak
3	9648.000	33.63	15.77	49.40	-24.60	74.00	100	184	Peak

Note:

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

EUT	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_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

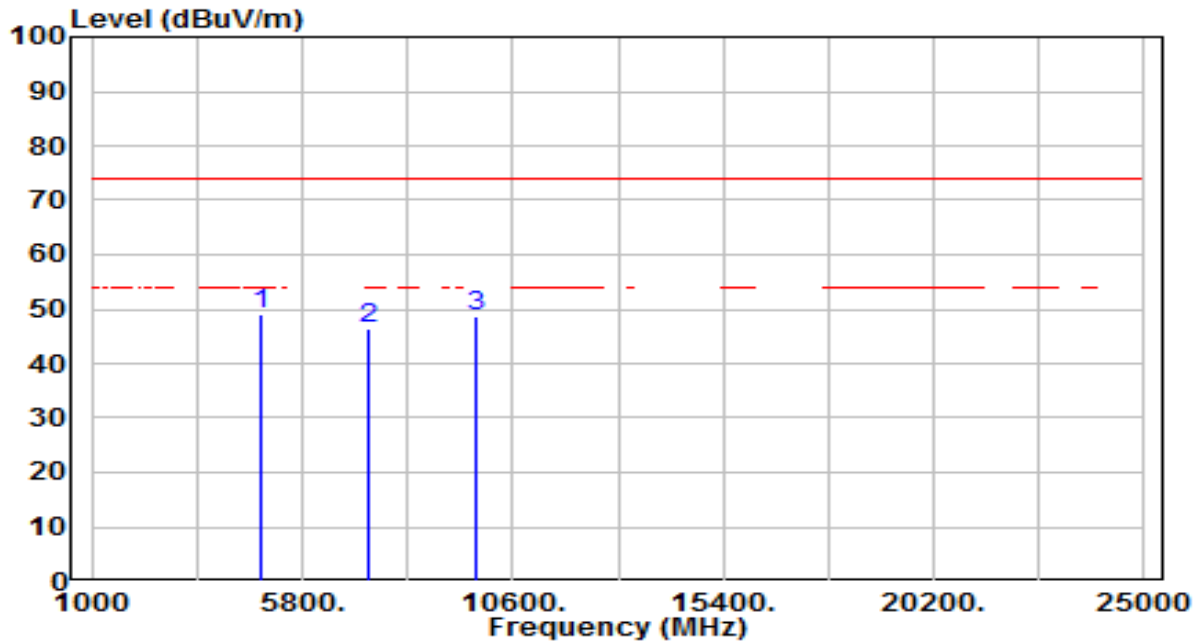


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	47.97	3.75	51.72	-22.28	74.00	100	312	Peak
2		7236.000	35.32	11.68	47.00	-27.00	74.00	100	302	Peak
3		9648.000	32.65	15.77	48.42	-25.58	74.00	100	92	Peak

Note:

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

EUT	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_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

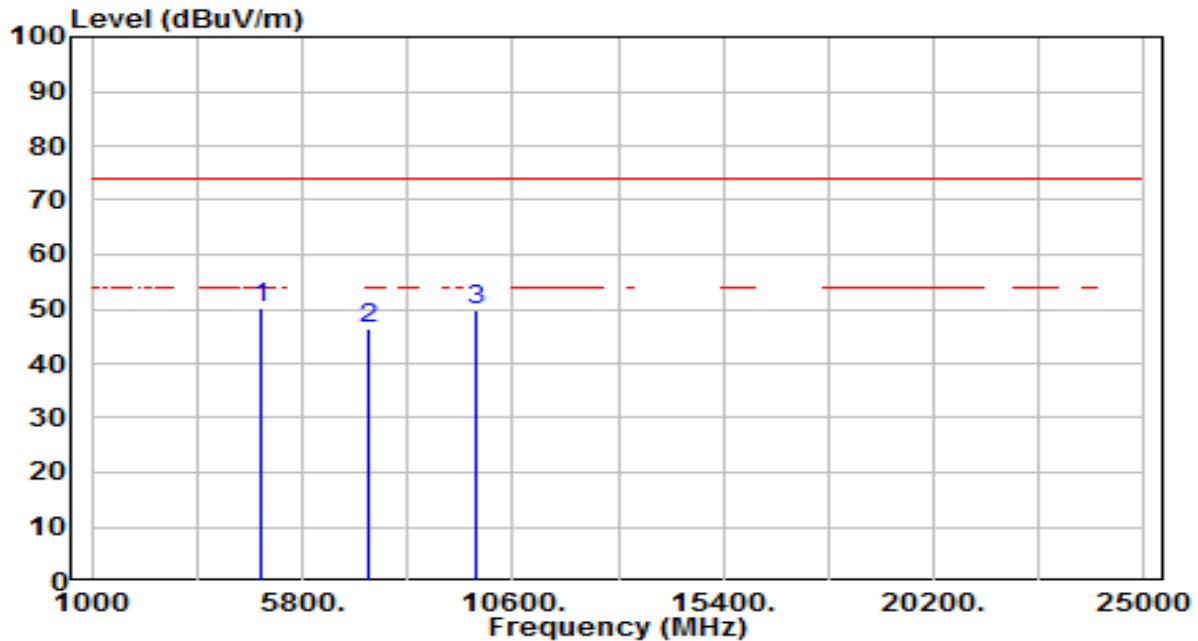


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	45.27	3.84	49.10	-24.90	74.00	100	89	Peak
2		7311.000	34.30	11.94	46.25	-27.75	74.00	100	225	Peak
3		9748.000	32.87	15.95	48.82	-25.18	74.00	100	40	Peak

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_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

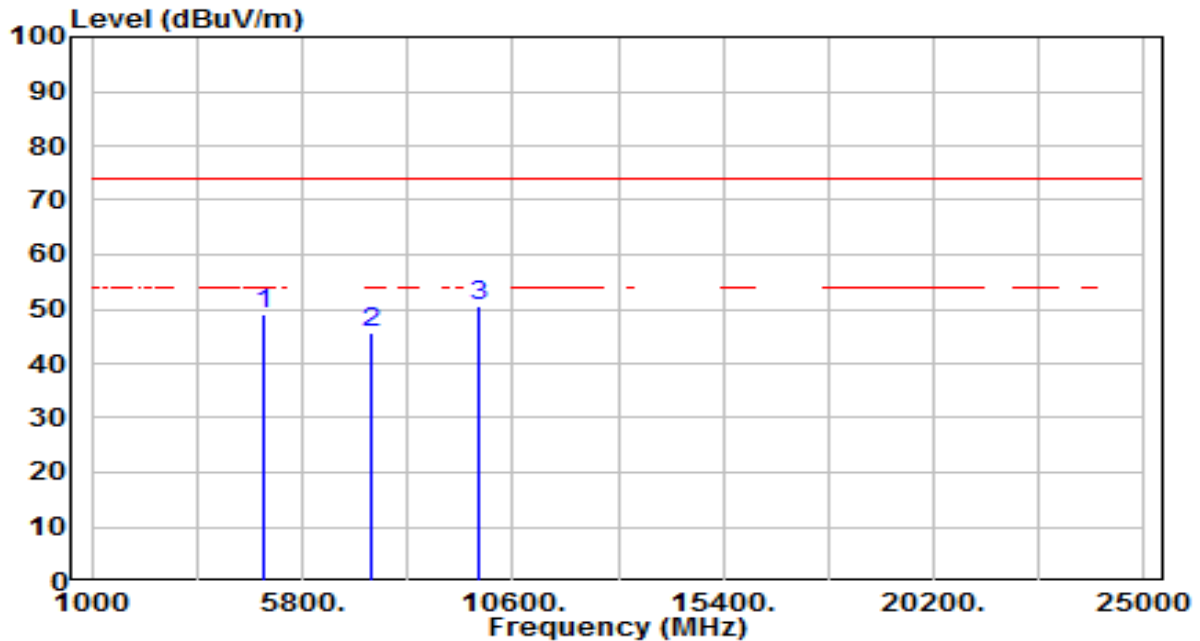


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	46.26	3.84	50.09	-23.91	74.00	100	329	Peak
2		7311.000	34.44	11.94	46.38	-27.62	74.00	100	134	Peak
3		9748.000	33.86	15.95	49.82	-24.18	74.00	100	252	Peak

Note:

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

EUT	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_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

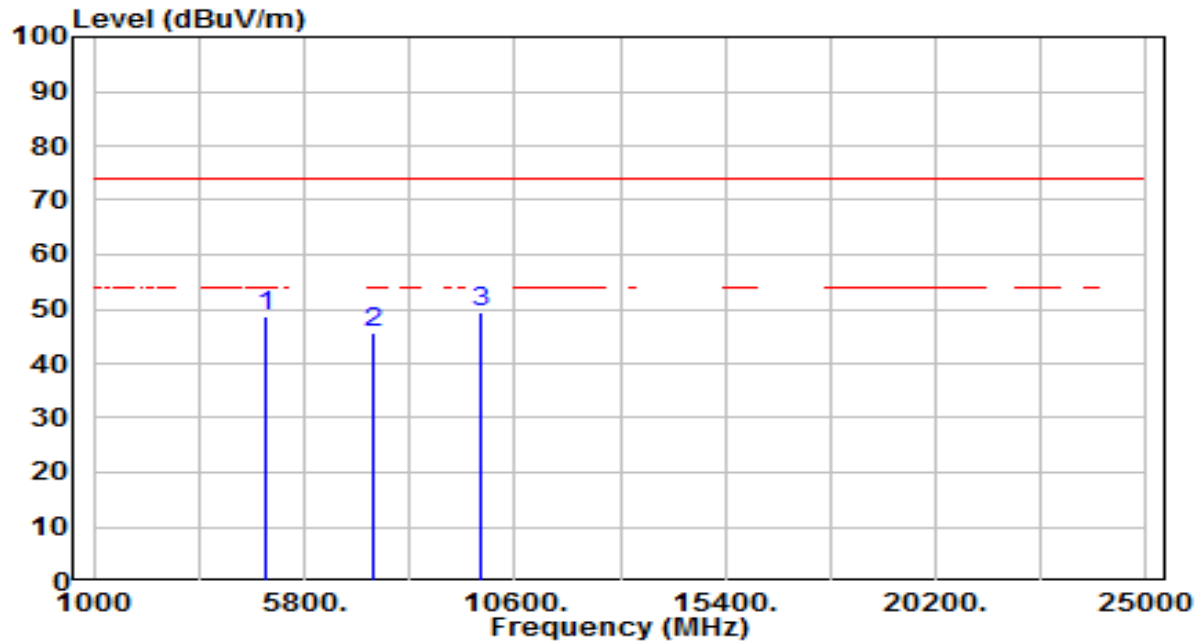


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	45.25	3.92	49.17	-24.83	74.00	100	80	Peak
2	7386.000	33.60	12.21	45.81	-28.19	74.00	100	132	Peak
3	* 9848.000	34.34	16.14	50.48	-23.52	74.00	100	163	Peak

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_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

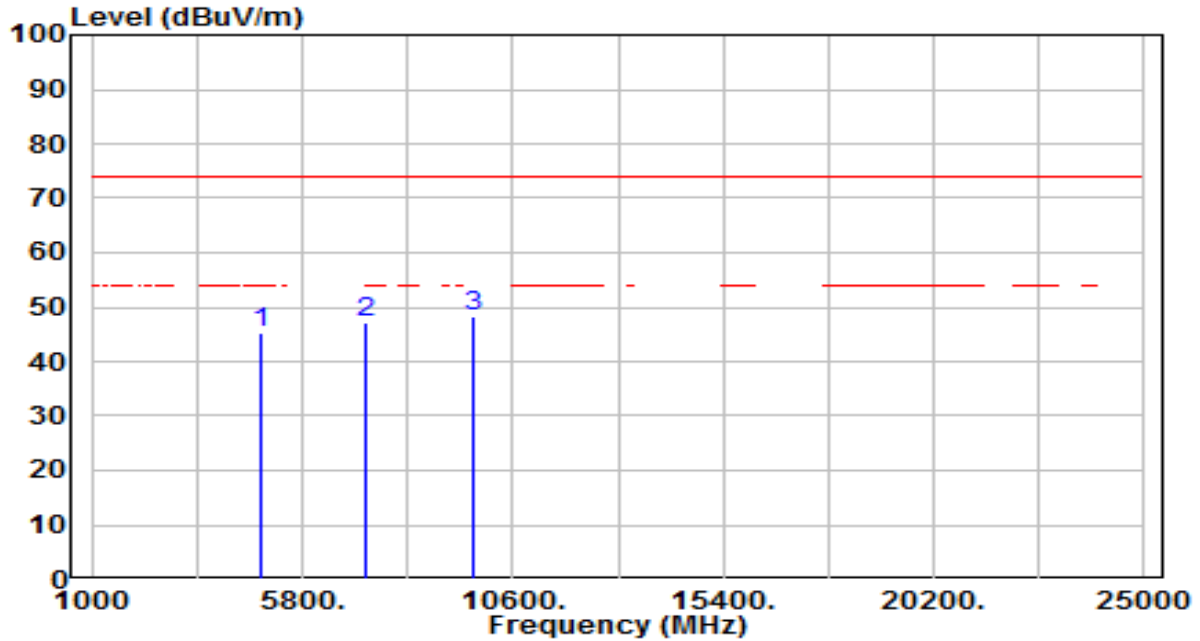


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	44.70	3.92	48.63	-25.37	74.00	100	314	Peak
2	7386.000	33.58	12.21	45.78	-28.22	74.00	100	235	Peak
3	* 9848.000	33.44	16.14	49.58	-24.42	74.00	100	114	Peak

Note:

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

EUT	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_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

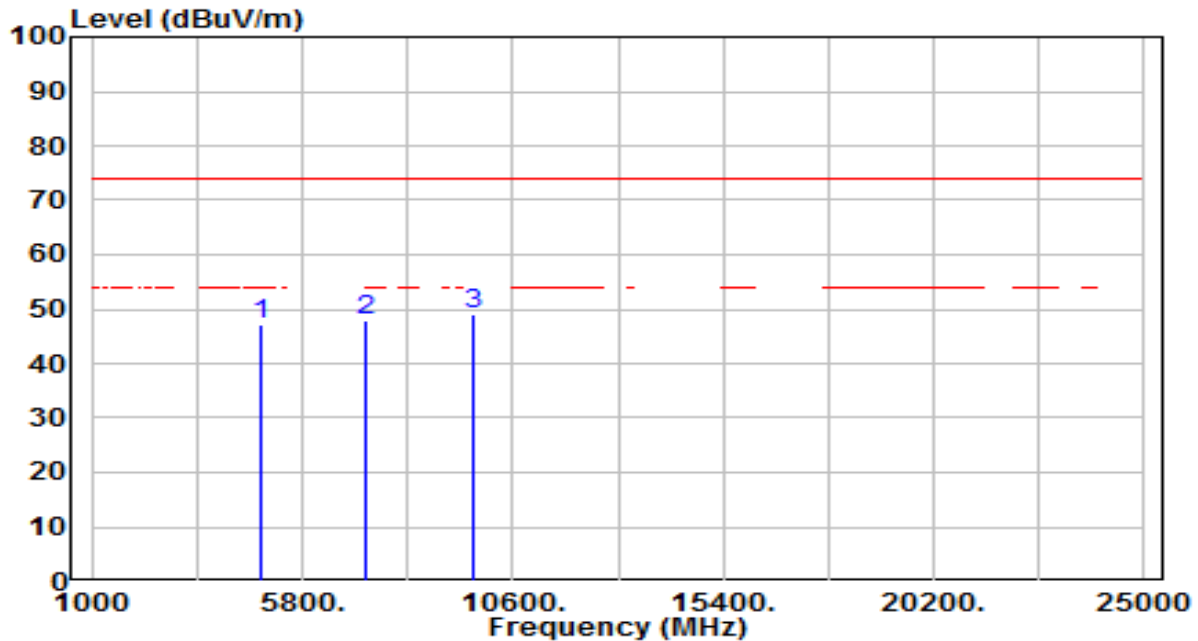


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4844.000	41.38	3.78	45.16	-28.84	74.00	100	100	Peak
2	7266.000	35.33	11.78	47.11	-26.89	74.00	100	360	Peak
3	* 9688.000	32.60	15.84	48.44	-25.56	74.00	100	194	Peak

Note:

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

EUT	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_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

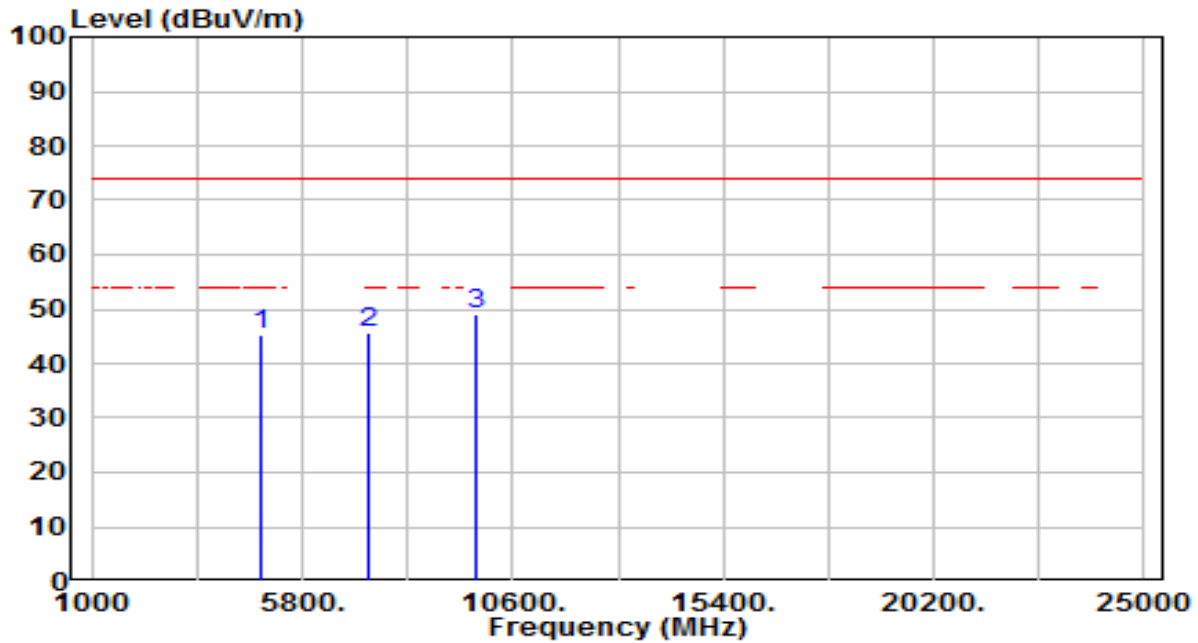


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4844.000	43.37	3.78	47.15	-26.85	74.00	100	320	Peak
2	7266.000	36.04	11.78	47.82	-26.18	74.00	100	91	Peak
3	* 9688.000	33.29	15.84	49.13	-24.87	74.00	100	164	Peak

Note:

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

EUT	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_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

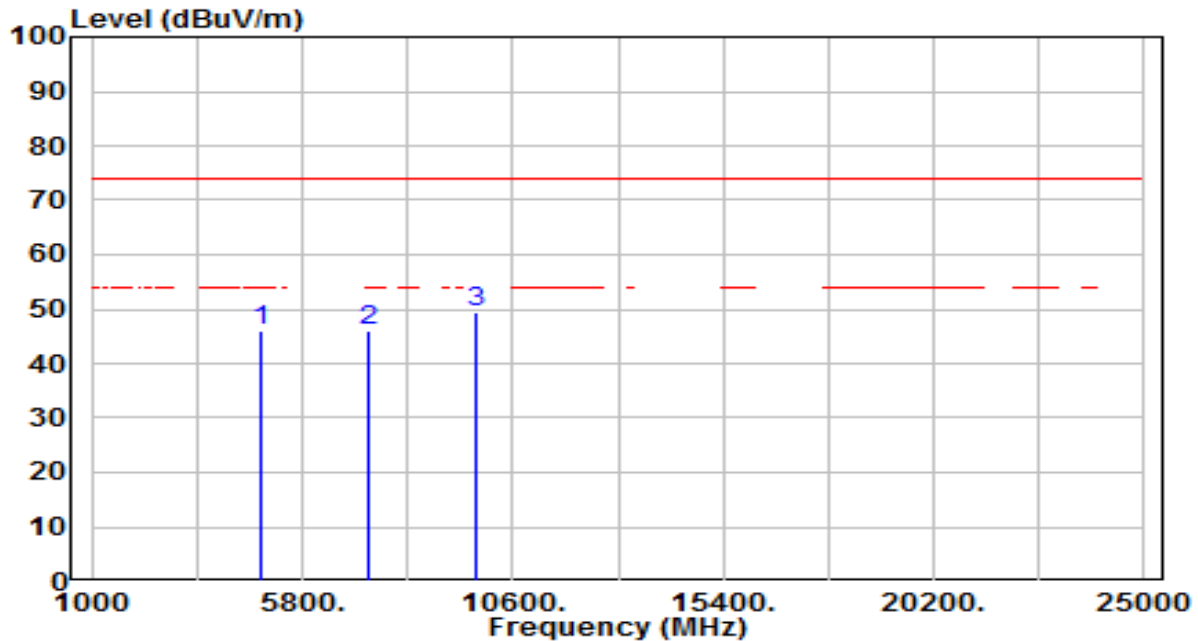


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	41.30	3.84	45.13	-28.87	74.00	100	88	Peak
2	7311.000	33.59	11.94	45.53	-28.47	74.00	100	147	Peak
3	* 9748.000	33.06	15.95	49.01	-24.99	74.00	100	63	Peak

Note:

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

EUT	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_CH 6_ANT 0	Test Voltage	AC 120V/60Hz

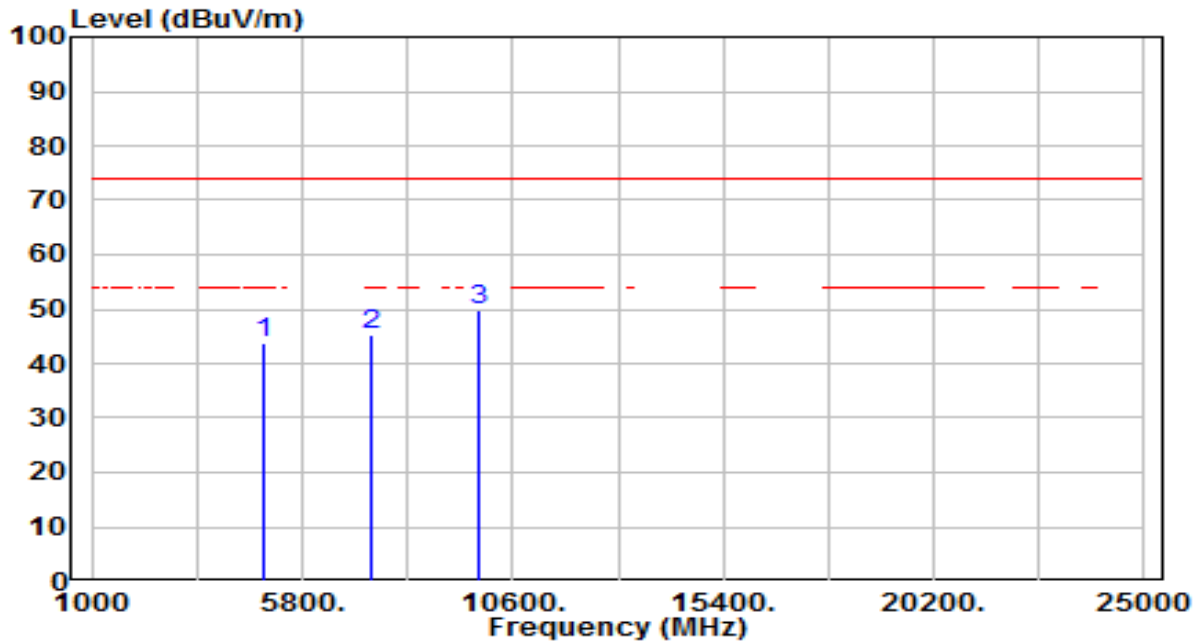


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	42.12	3.84	45.95	-28.05	74.00	100	322	Peak
2	7311.000	34.19	11.94	46.13	-27.87	74.00	100	210	Peak
3	* 9748.000	33.66	15.95	49.61	-24.39	74.00	100	135	Peak

Note:

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

EUT	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_CH 9_ANT 0	Test Voltage	AC 120V/60Hz

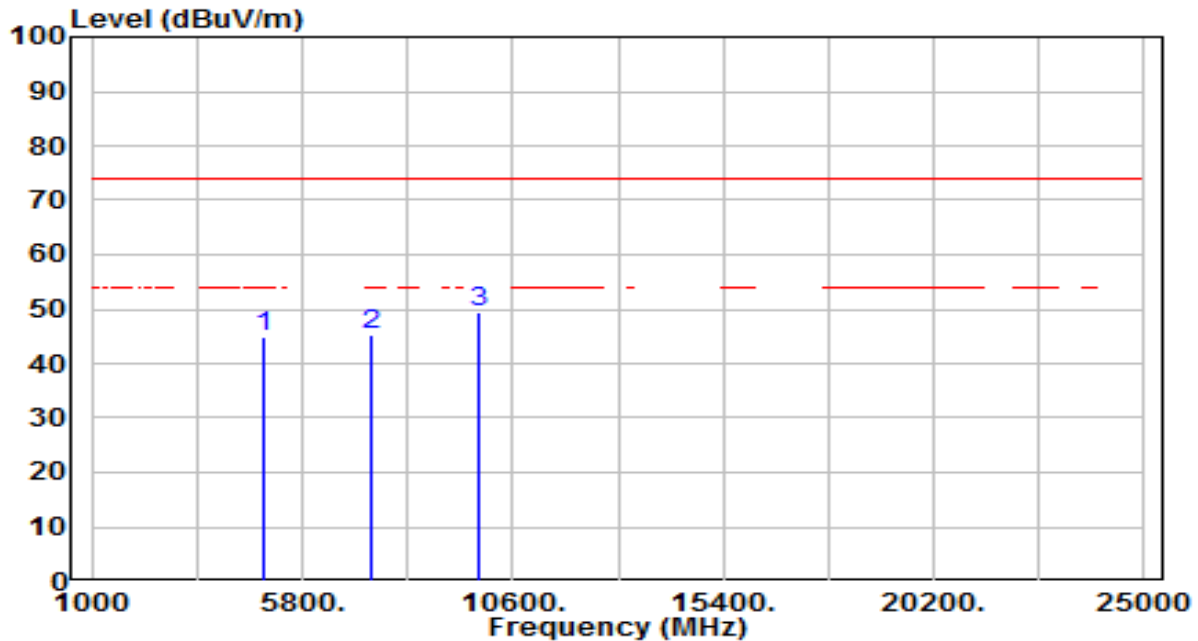


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4904.000	39.99	3.89	43.88	-30.12	74.00	100	61	Peak
2	7356.000	33.29	12.10	45.39	-28.61	74.00	100	89	Peak
3	* 9808.000	33.75	16.06	49.82	-24.18	74.00	100	132	Peak

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_CH 9_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	4904.000	40.94	3.89	44.83	-29.17	74.00	100	316	Peak
2	7356.000	33.31	12.10	45.41	-28.59	74.00	100	323	Peak
3	* 9808.000	33.27	16.06	49.34	-24.66	74.00	100	116	Peak

Note:

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1. 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

7.7.2. Test Procedure Used

ANSI C63.10 - 2013 Section 6.3 (General Requirements)

ANSI C63.10 - 2013 Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 * RBW
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

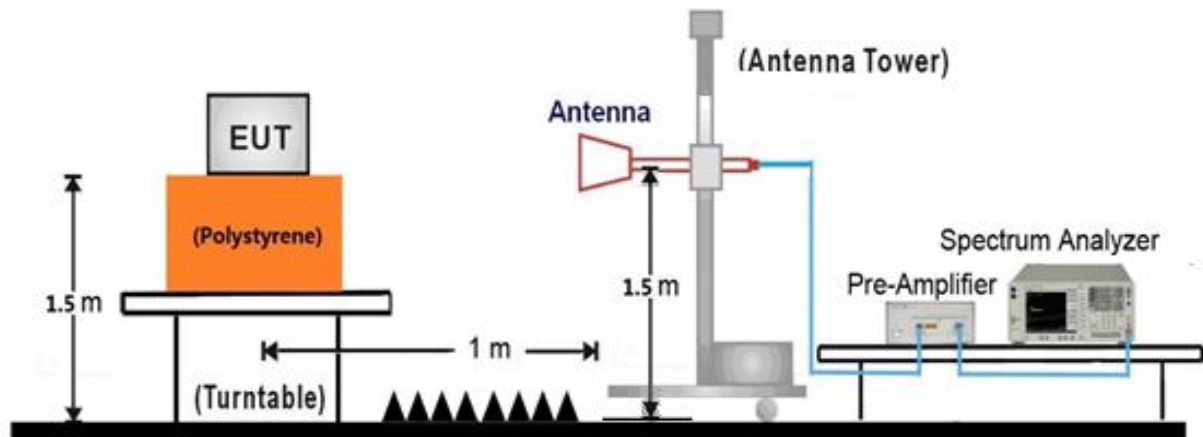
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

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

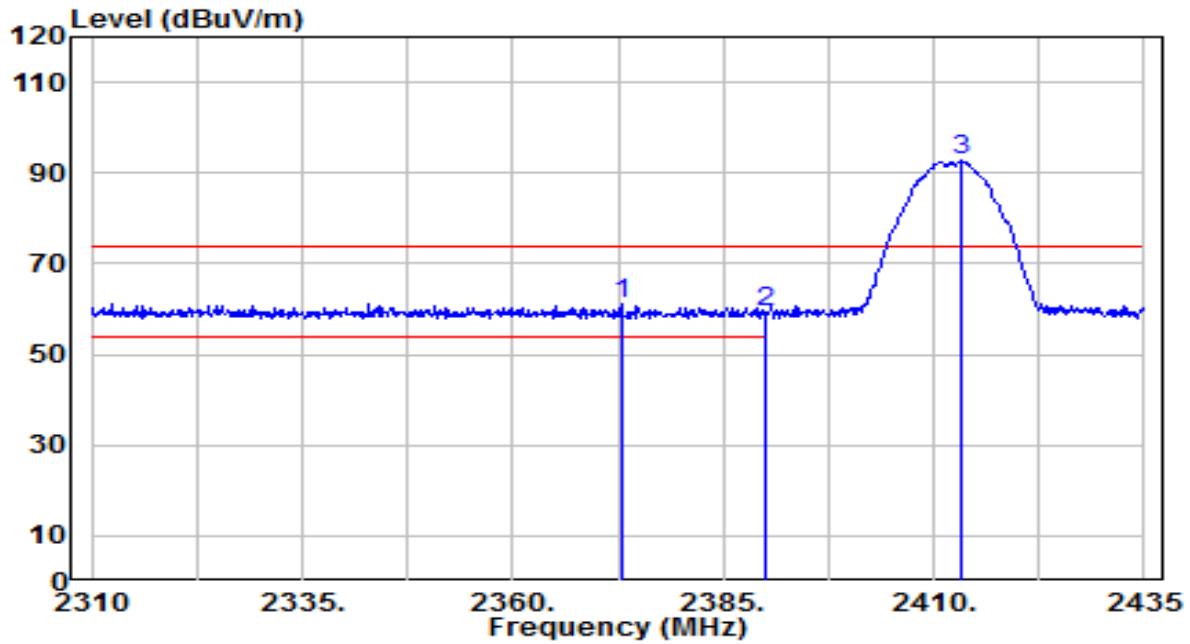
7.7.4. Test Setup

1GHz ~ 18GHz Test Setup:



7.7.5. 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	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

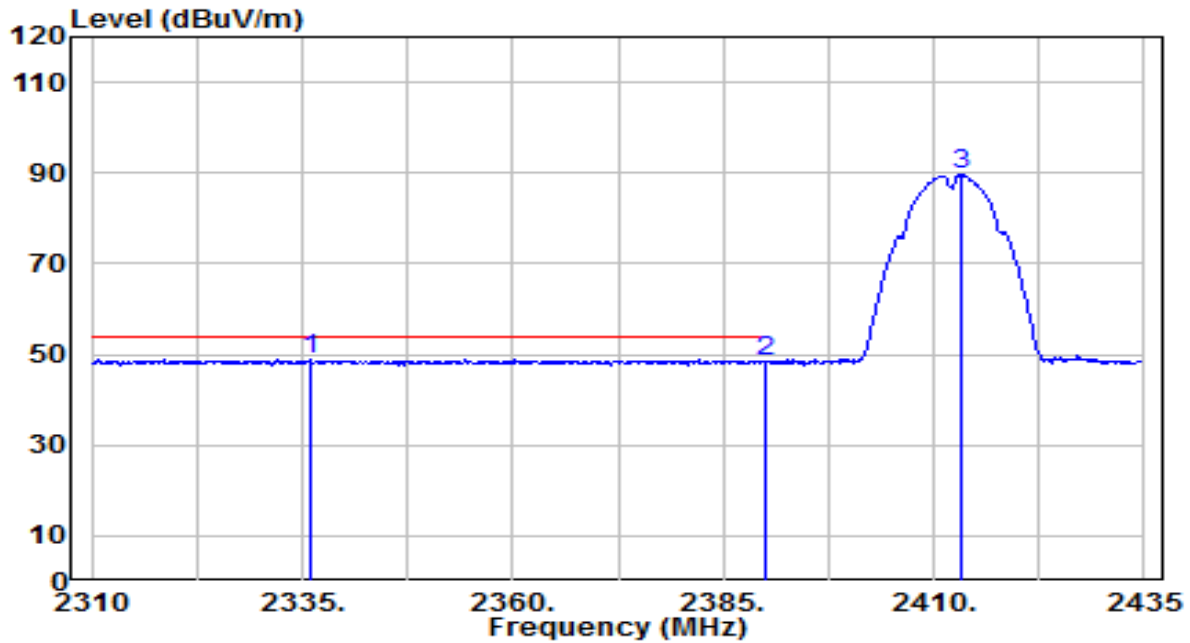


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2372.875	29.29	31.88	61.18	-12.82	74.00	205	320	Peak
2		2390.000	27.50	31.95	59.45	-14.55	74.00	205	320	Peak
3		2413.250	60.61	32.04	92.64	N/A	N/A	205	320	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

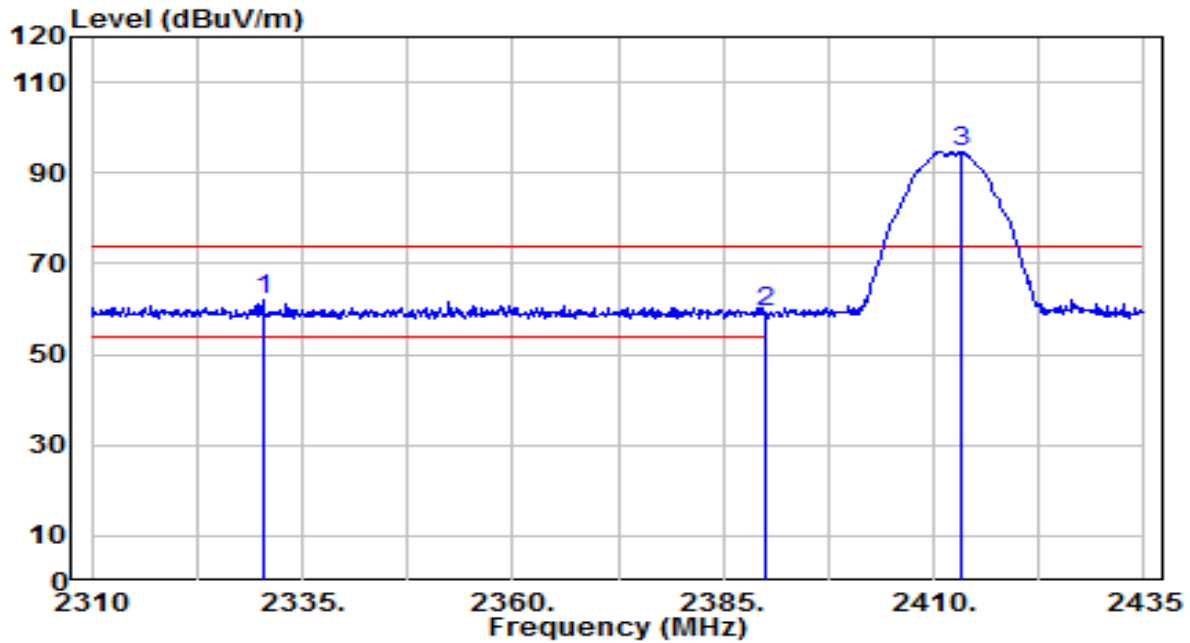


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2336.000	17.13	31.75	48.88	-5.12	54.00	205	320	Average
2		2390.000	16.37	31.95	48.32	-5.68	54.00	205	320	Average
3		2413.250	57.57	32.04	89.60	N/A	N/A	205	320	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

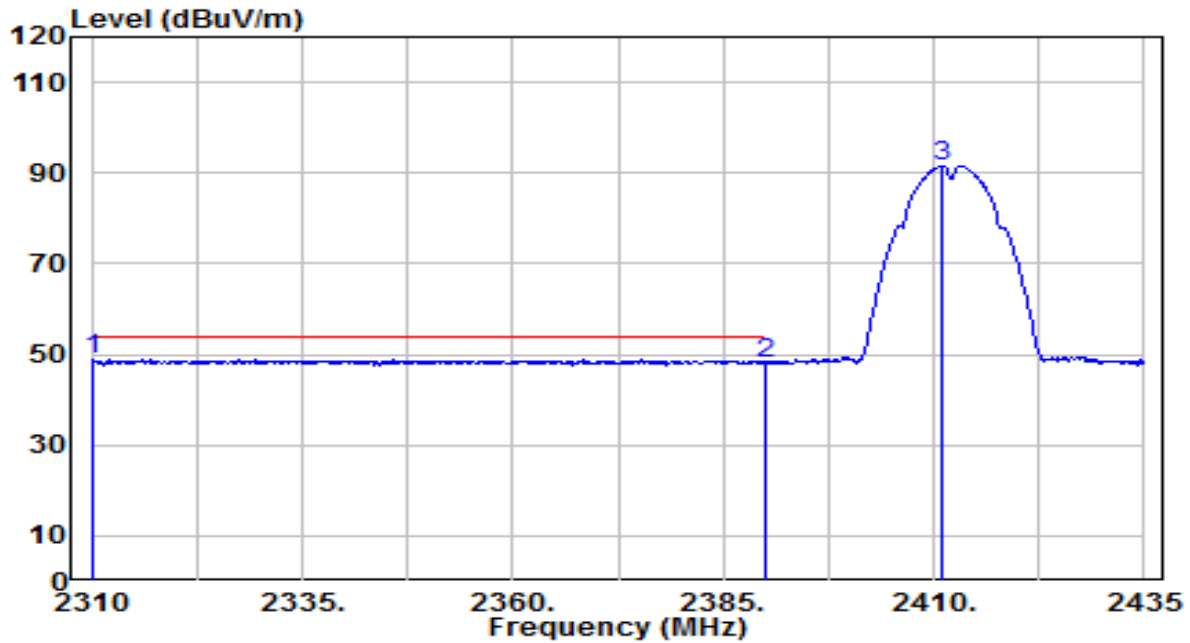


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2330.375	30.27	31.73	62.00	-12.00	74.00	210	15	Peak
2		2390.000	27.53	31.95	59.48	-14.52	74.00	210	15	Peak
3		2413.250	62.64	32.04	94.67	N/A	N/A	210	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

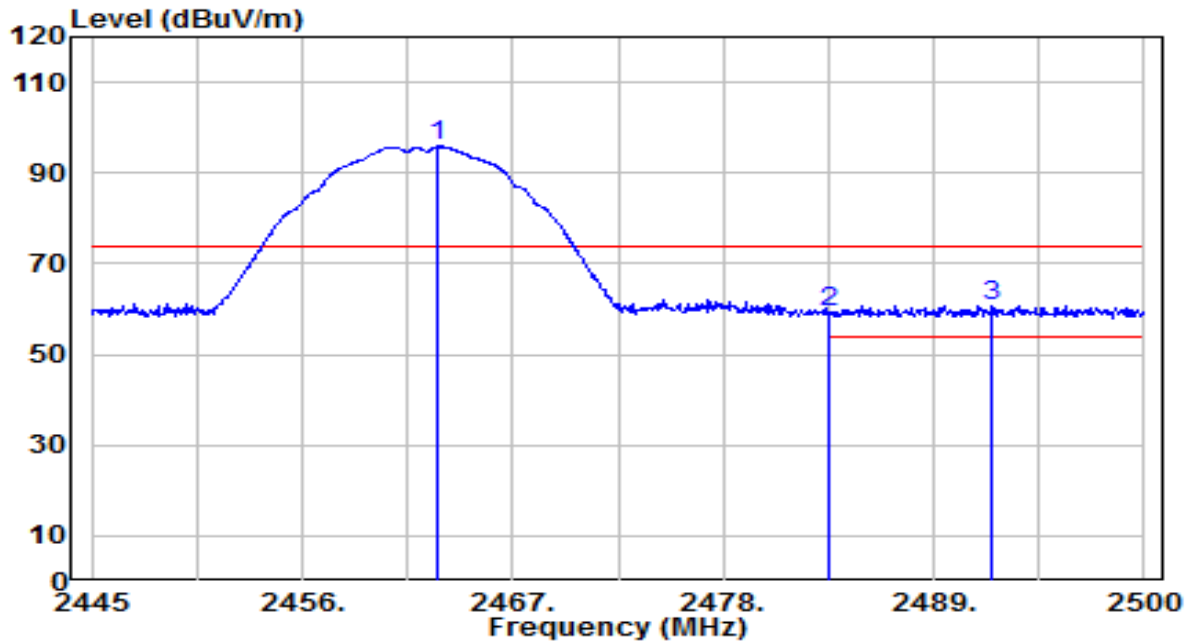


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2310.125	17.27	31.65	48.92	-5.08	54.00	210	15	Average
2		2390.000	16.17	31.95	48.12	-5.88	54.00	210	15	Average
3		2411.000	59.64	32.03	91.67	N/A	N/A	210	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

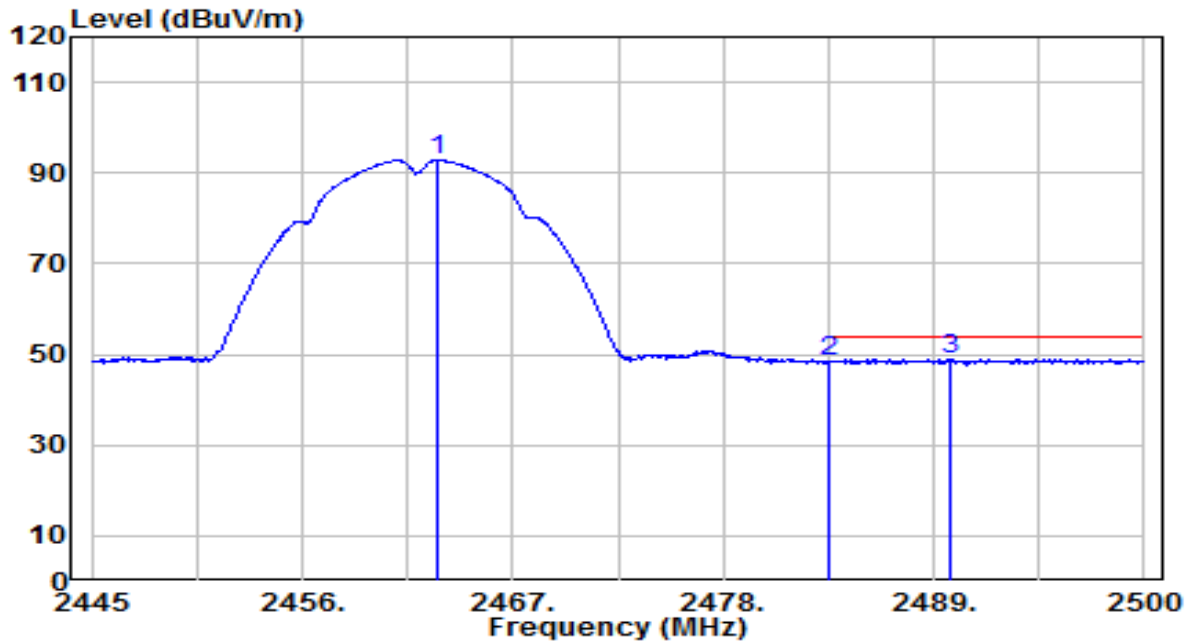


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.095	63.56	32.22	95.78	N/A	N/A	190	295	Peak
2	2483.500	26.91	32.30	59.21	-14.79	74.00	190	295	Peak
3	* 2492.025	28.38	32.33	60.71	-13.29	74.00	190	295	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

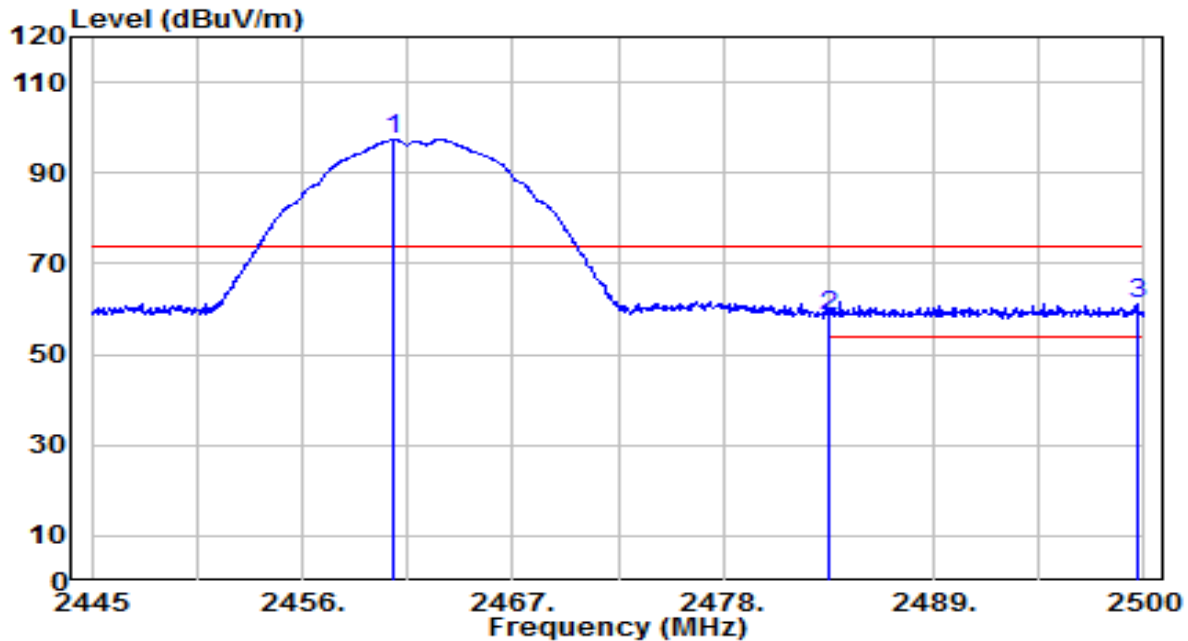


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.040	60.55	32.22	92.77	N/A	N/A	190	295	Average
2	2483.500	16.35	32.30	48.65	-5.35	54.00	190	295	Average
3	* 2489.825	16.75	32.32	49.07	-4.93	54.00	190	295	Average

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	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

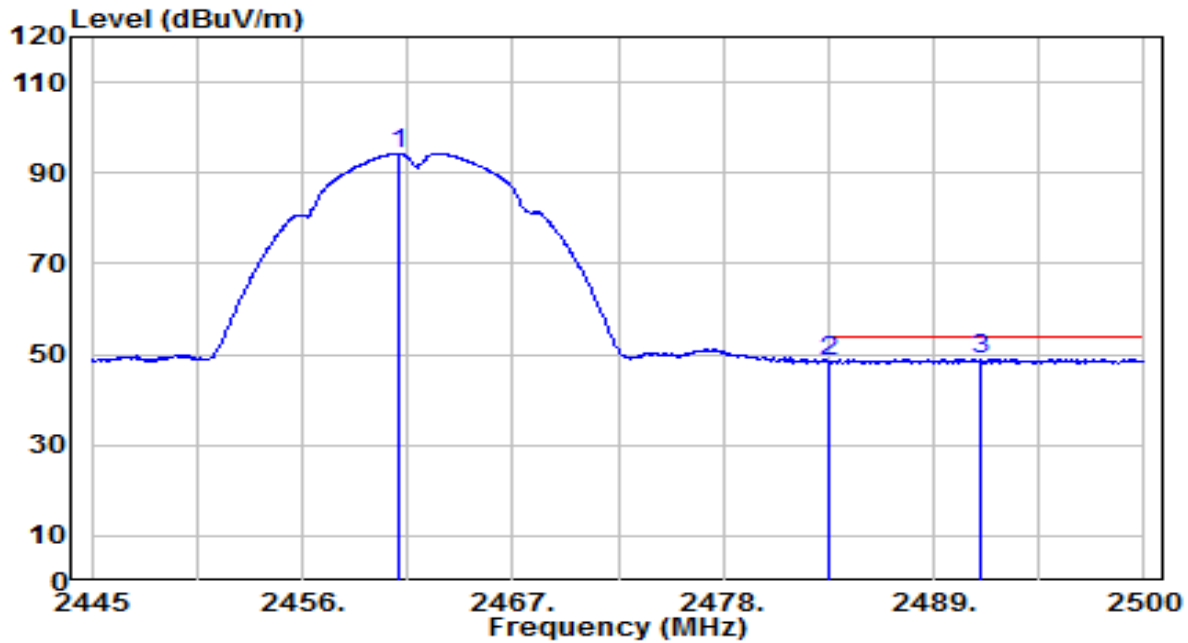


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2460.785	65.04	32.21	97.26	N/A	N/A	185	15	Peak
2	2483.500	26.23	32.30	58.53	-15.47	74.00	185	15	Peak
3	* 2499.615	28.71	32.36	61.07	-12.93	74.00	185	15	Peak

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	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

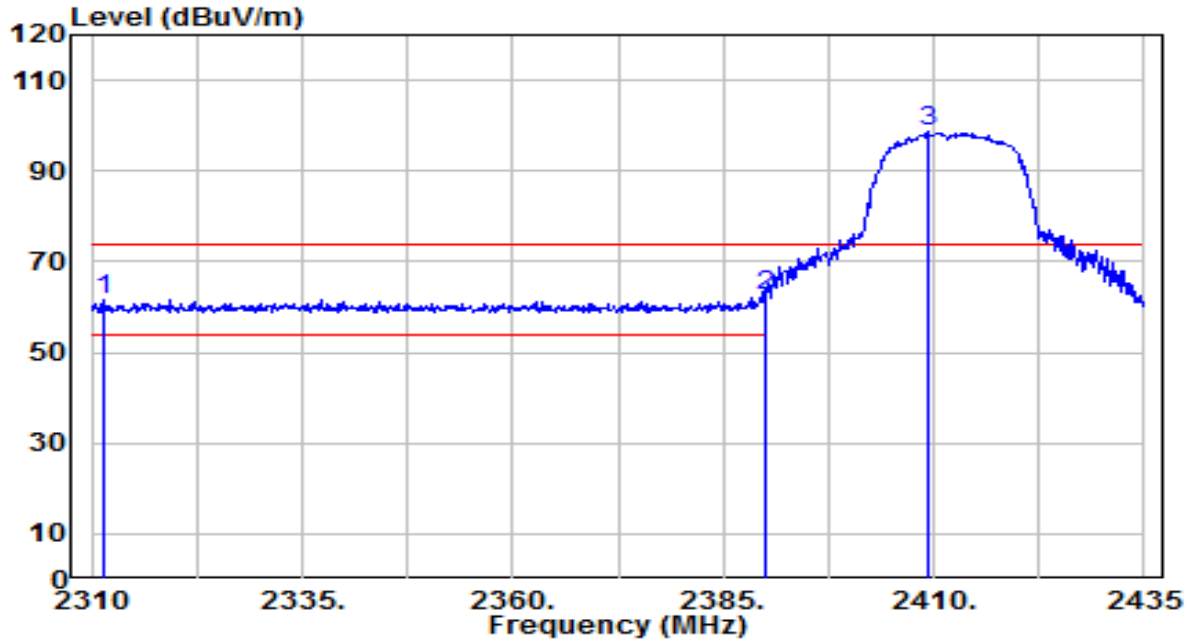


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.060	62.12	32.21	94.33	N/A	N/A	185	15	Average
2	2483.500	16.08	32.30	48.38	-5.62	54.00	185	15	Average
3	* 2491.420	16.64	32.33	48.96	-5.04	54.00	185	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

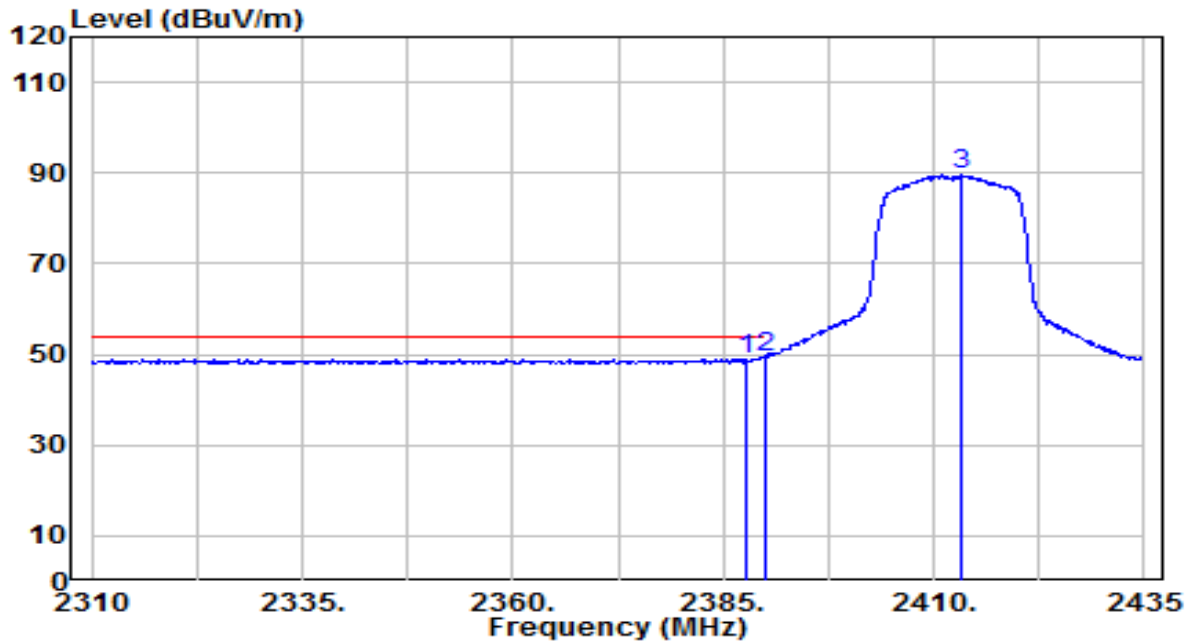


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2311.375	30.08	31.65	61.73	-12.27	74.00	205	320	Peak
2	* 2390.000	30.58	31.95	62.53	-11.47	74.00	205	320	Peak
3	2409.375	66.76	32.02	98.78	N/A	N/A	205	320	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

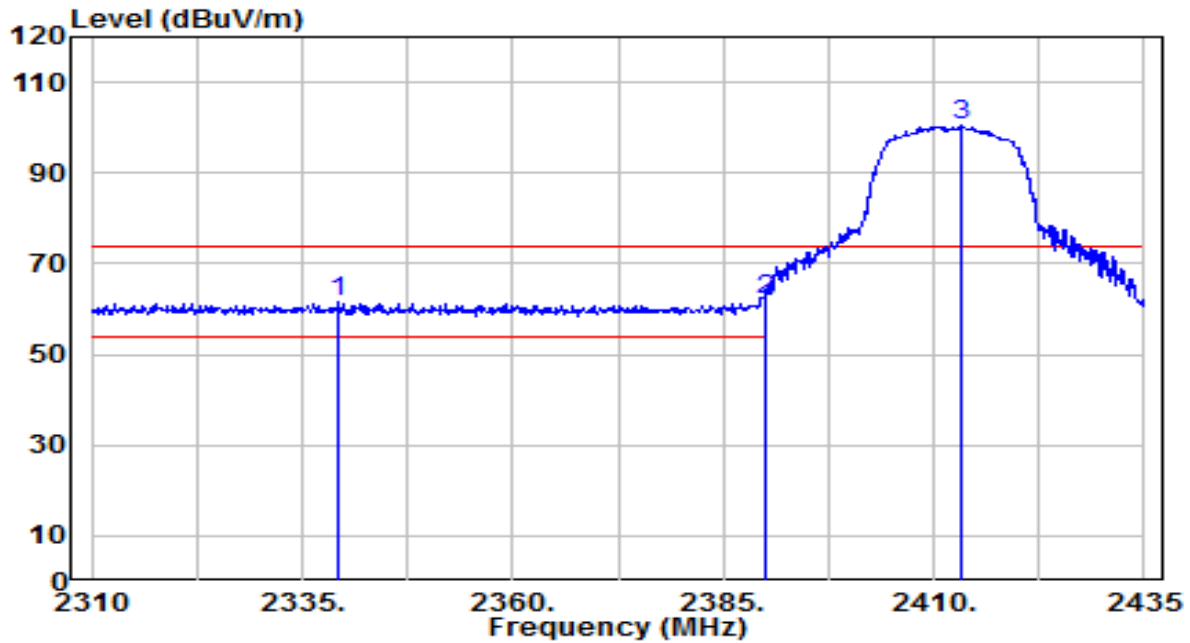


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.625	17.09	31.94	49.03	-4.97	54.00	205	320	Average
2	* 2390.000	17.56	31.95	49.51	-4.49	54.00	205	320	Average
3	2413.375	57.61	32.04	89.65	N/A	N/A	205	320	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

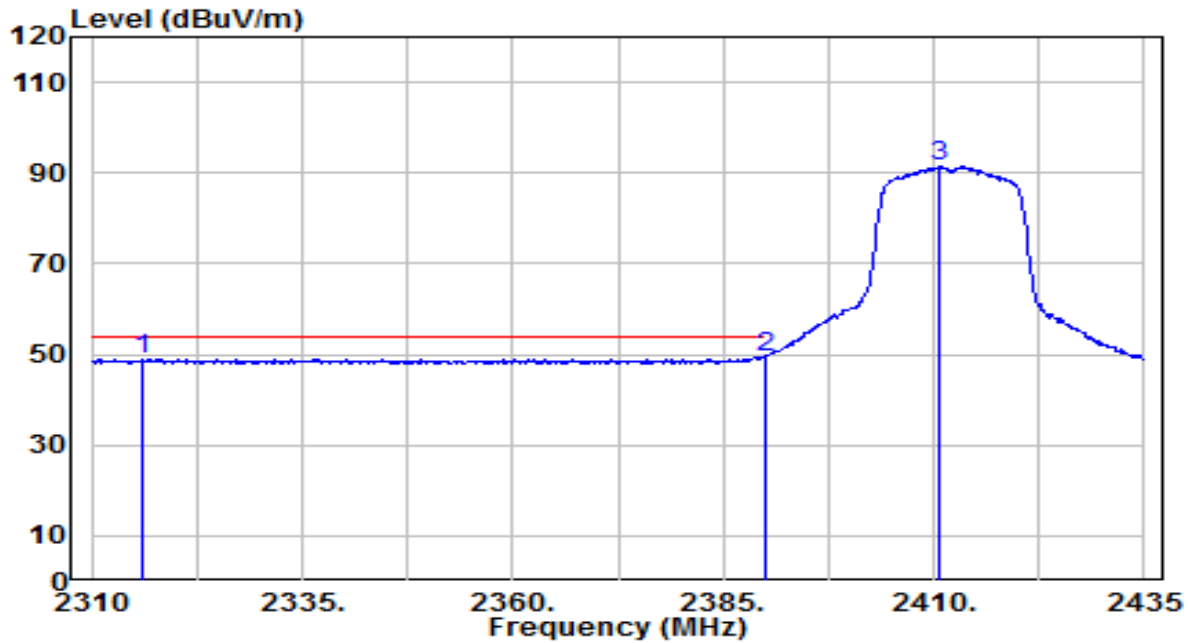


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2339.375	29.66	31.76	61.42	-12.58	74.00	210	15	Peak
2	* 2390.000	30.27	31.95	62.21	-11.79	74.00	210	15	Peak
3	2413.375	68.27	32.04	100.31	N/A	N/A	210	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

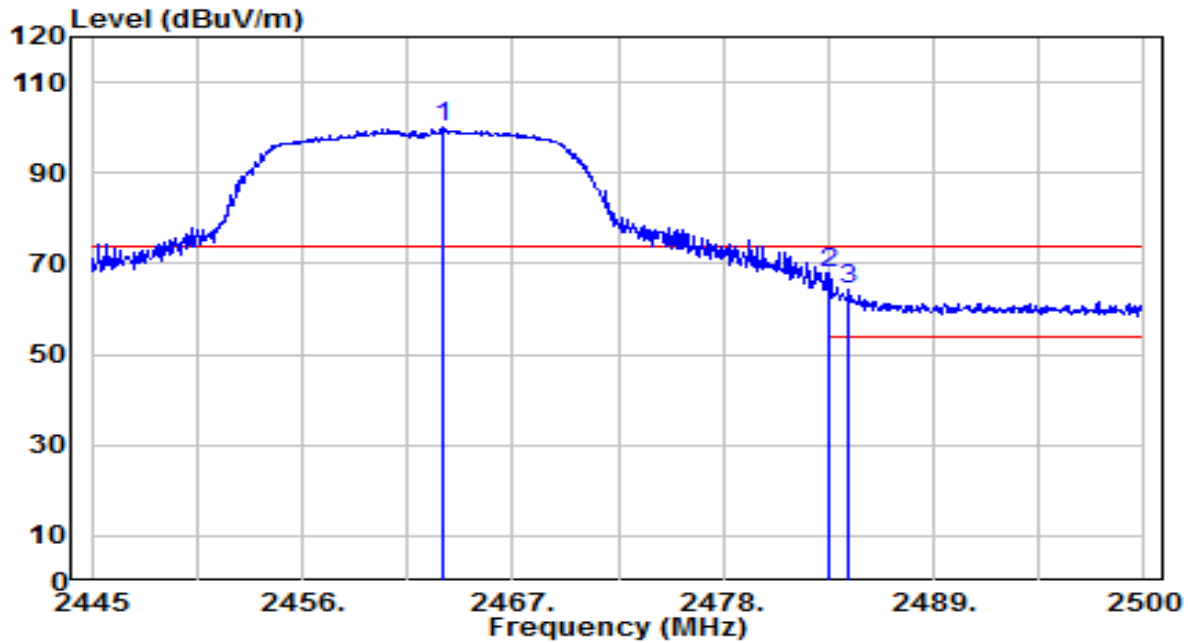


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2316.000	17.28	31.67	48.95	-5.05	54.00	210	15	Average
2	* 2390.000	17.57	31.95	49.52	-4.48	54.00	210	15	Average
3	2410.750	59.55	32.03	91.57	N/A	N/A	210	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

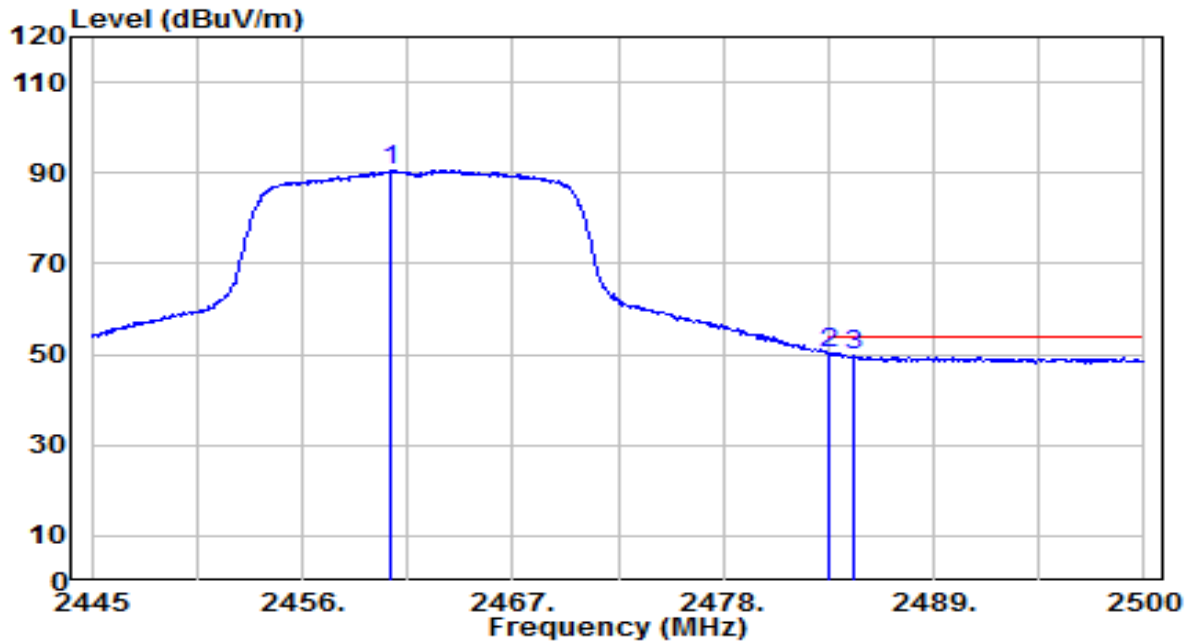


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.315	67.74	32.22	99.96	N/A	N/A	190	295	Peak
2	* 2483.500	35.77	32.30	68.07	-5.93	74.00	190	295	Peak
3	2484.600	31.97	32.30	64.27	-9.73	74.00	190	295	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

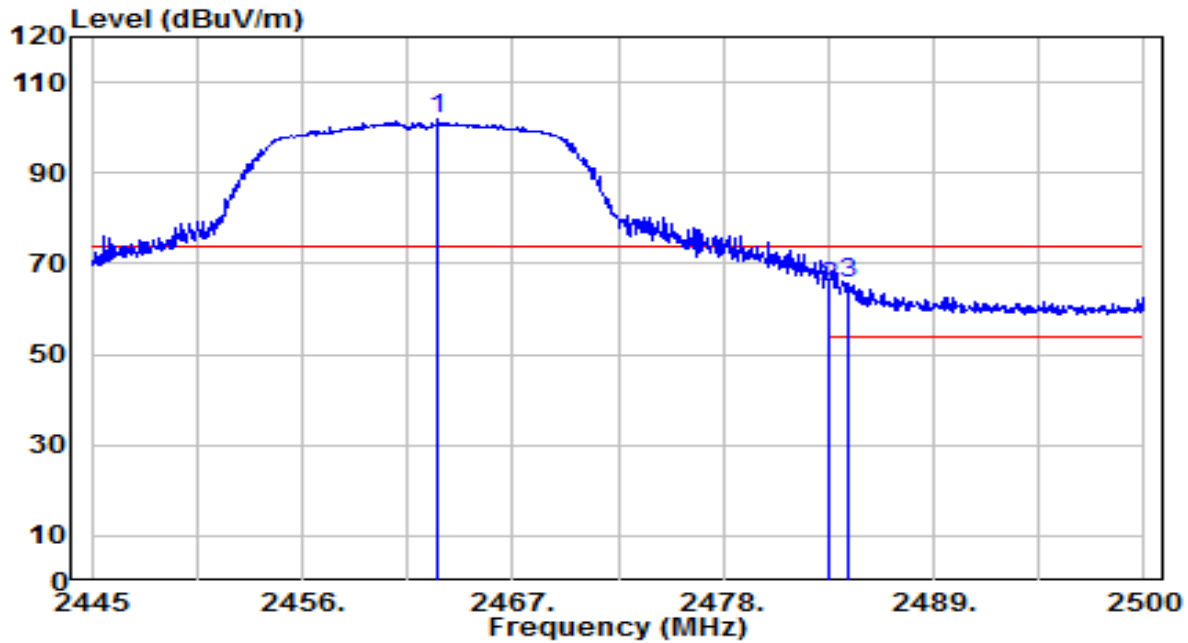


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2460.675	58.47	32.21	90.68	N/A	N/A	190	295	Average
2	* 2483.500	18.13	32.30	50.43	-3.57	54.00	190	295	Average
3	2484.875	17.34	32.30	49.64	-4.36	54.00	190	295	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

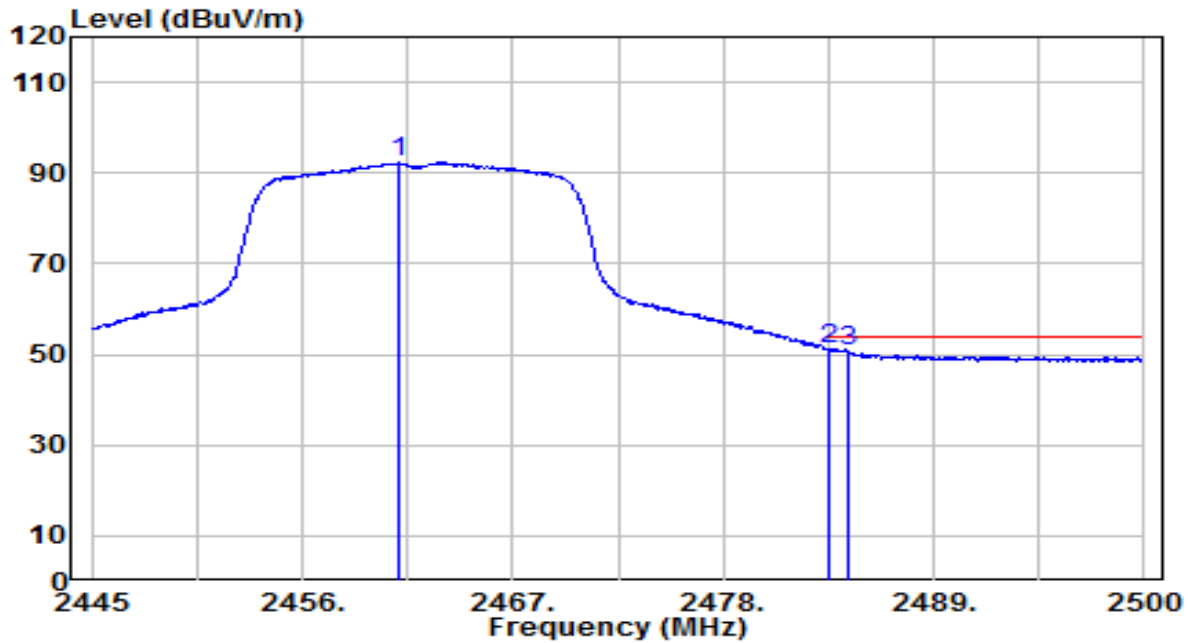


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.095	69.77	32.22	101.99	N/A	N/A	185	15	Peak
2	2483.500	32.45	32.30	64.74	-9.26	74.00	185	15	Peak
3	* 2484.545	33.24	32.30	65.54	-8.46	74.00	185	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

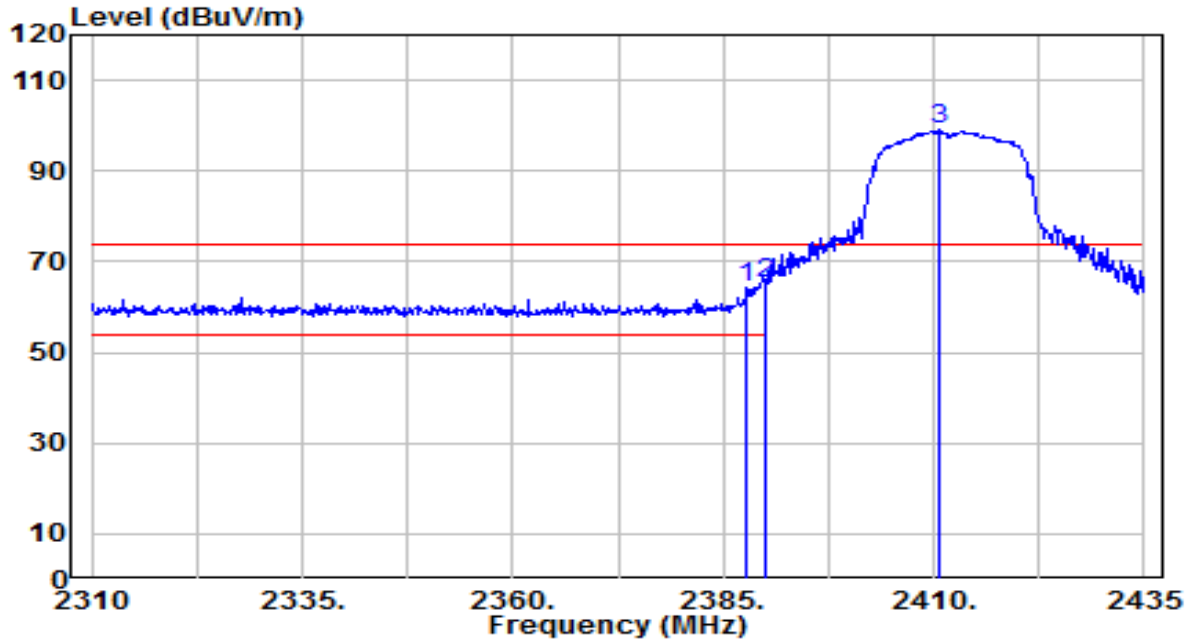


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.115	60.16	32.21	92.37	N/A	N/A	185	15	Average
2	* 2483.500	18.95	32.30	51.25	-2.75	54.00	185	15	Average
3	2484.600	18.21	32.30	50.51	-3.49	54.00	185	15	Average

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	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

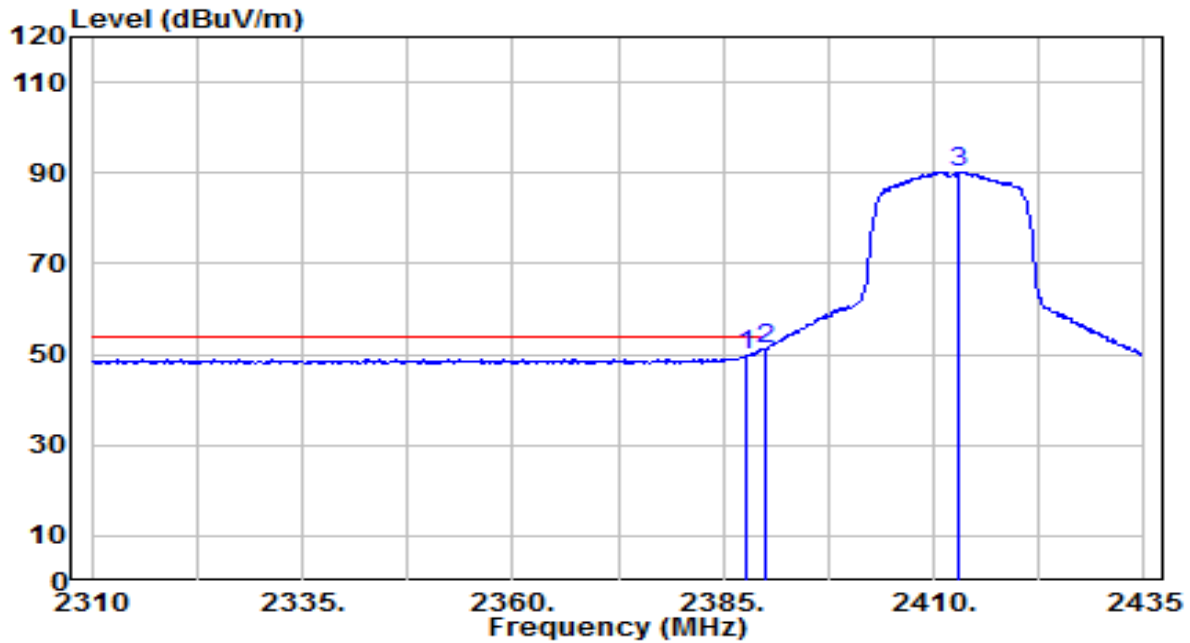


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.875	32.57	31.94	64.51	-9.49	74.00	205	320	Peak
2	* 2390.000	33.31	31.95	65.26	-8.74	74.00	205	320	Peak
3	2410.625	66.94	32.03	98.97	N/A	N/A	205	320	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

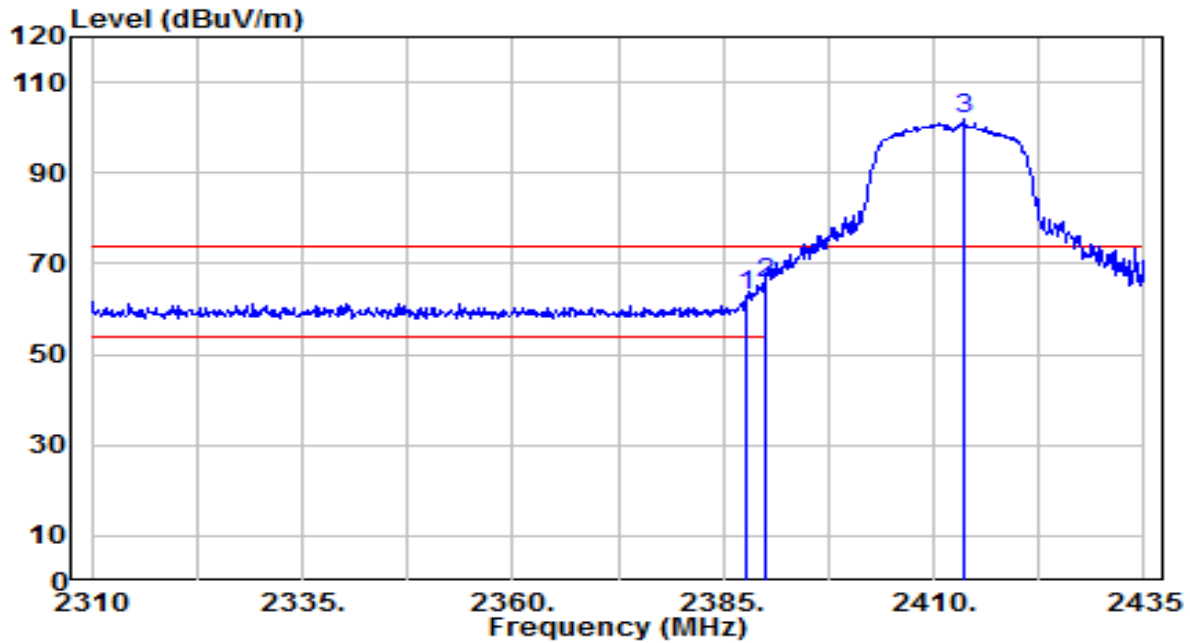


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.875	18.08	31.94	50.02	-3.98	54.00	205	320	Average
2	* 2390.000	19.20	31.95	51.15	-2.85	54.00	205	320	Average
3	2413.000	58.30	32.03	90.34	N/A	N/A	205	320	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

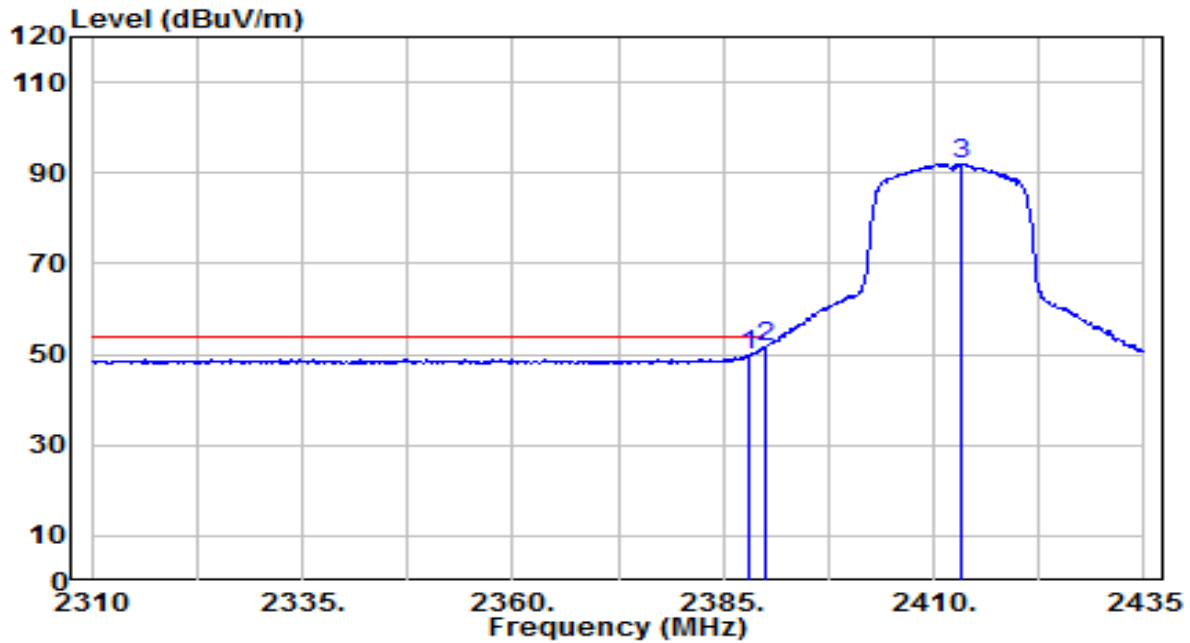


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.625	31.00	31.94	62.94	-11.06	74.00	210	15	Peak
2	* 2390.000	33.70	31.95	65.64	-8.36	74.00	210	15	Peak
3	2413.500	69.77	32.04	101.81	N/A	N/A	210	15	Peak

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	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0	Test Voltage	AC 120V/60Hz

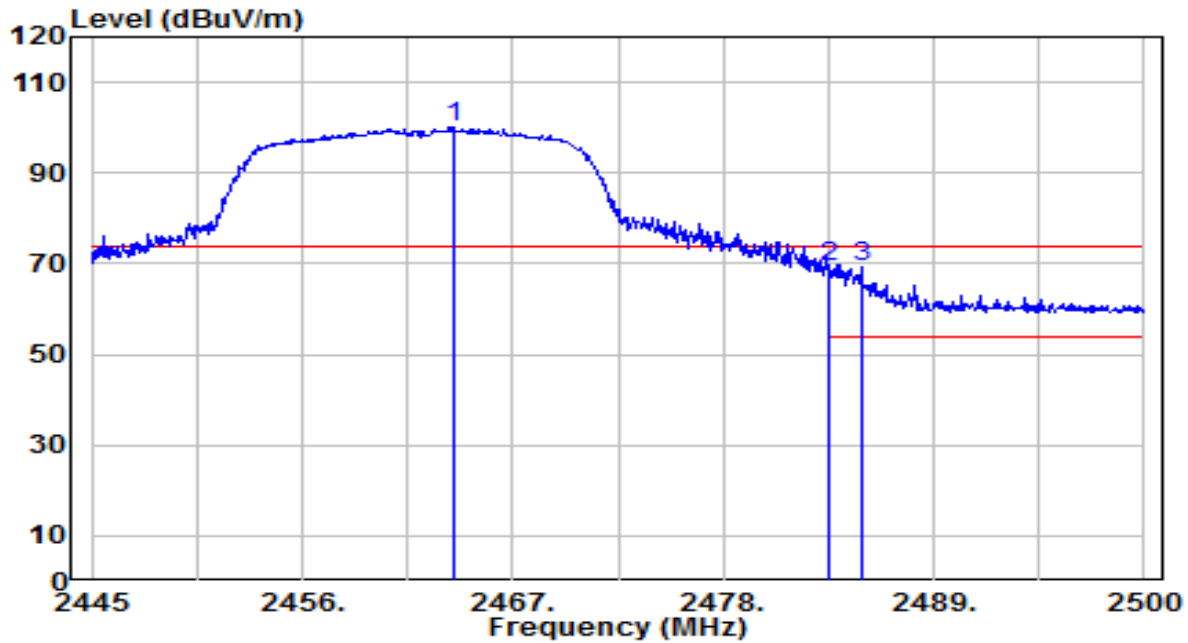


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.000	17.98	31.94	49.92	-4.08	54.00	210	15	Average
2	* 2390.000	19.61	31.95	51.56	-2.44	54.00	210	15	Average
3	2413.250	60.11	32.04	92.15	N/A	N/A	210	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

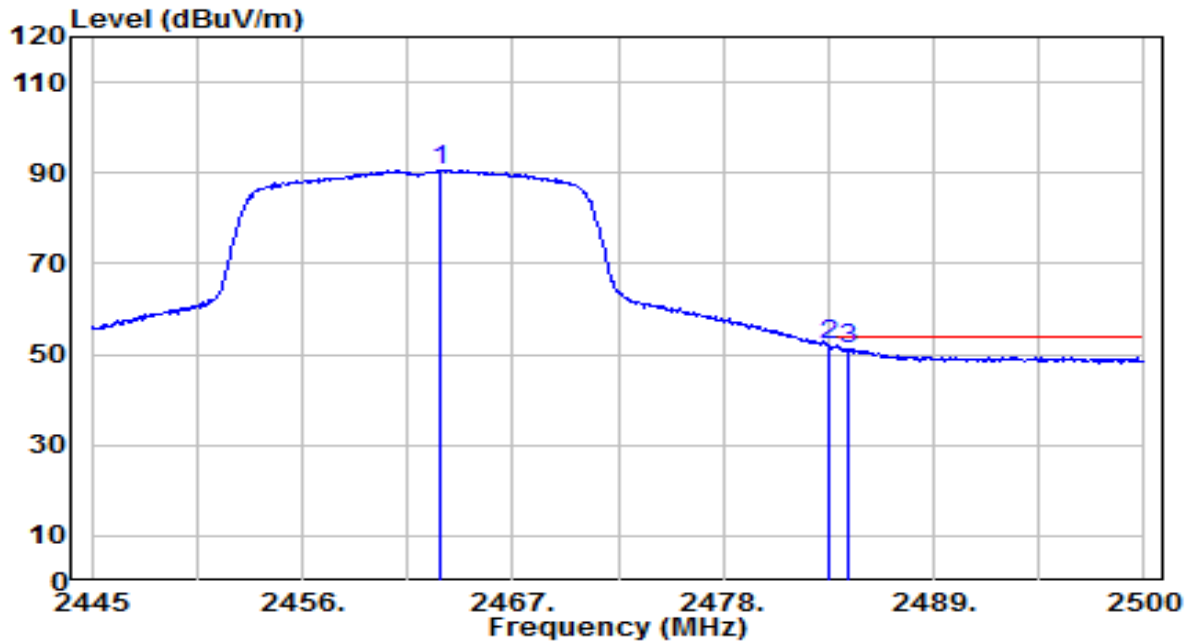


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.865	68.08	32.22	100.30	N/A	N/A	190	295	Peak
2	* 2483.500	37.14	32.30	69.44	-4.56	74.00	190	295	Peak
3	2485.205	36.95	32.30	69.26	-4.74	74.00	190	295	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

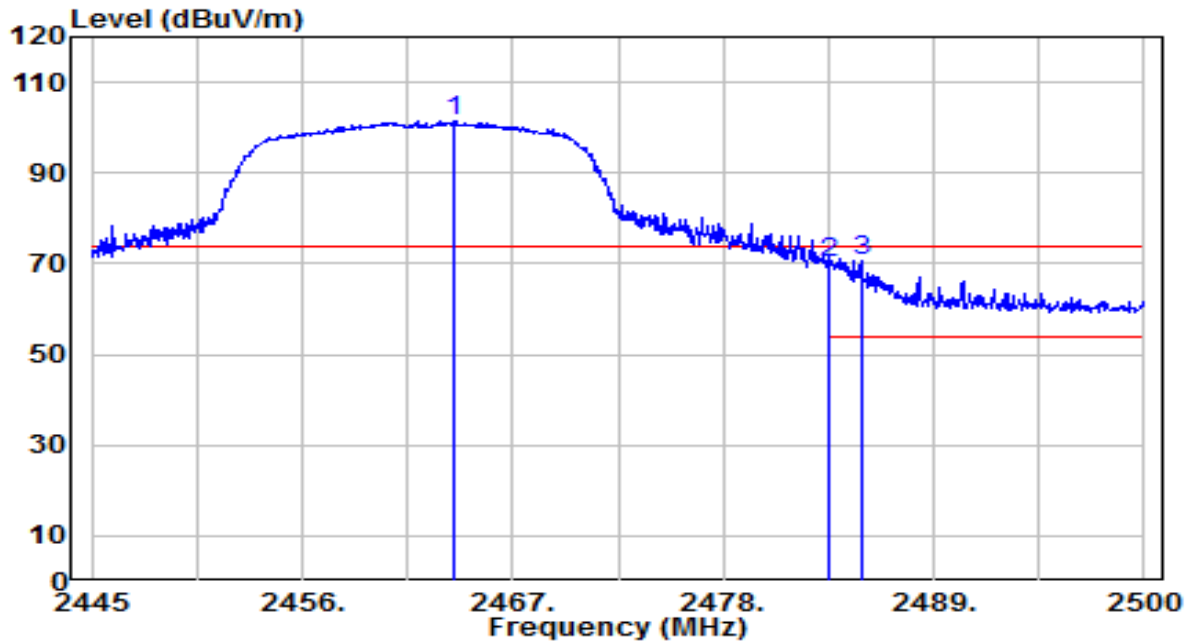


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.150	58.45	32.22	90.67	N/A	N/A	190	295	Average
2	* 2483.500	19.79	32.30	52.09	-1.91	54.00	190	295	Average
3	2484.490	18.88	32.30	51.18	-2.82	54.00	190	295	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

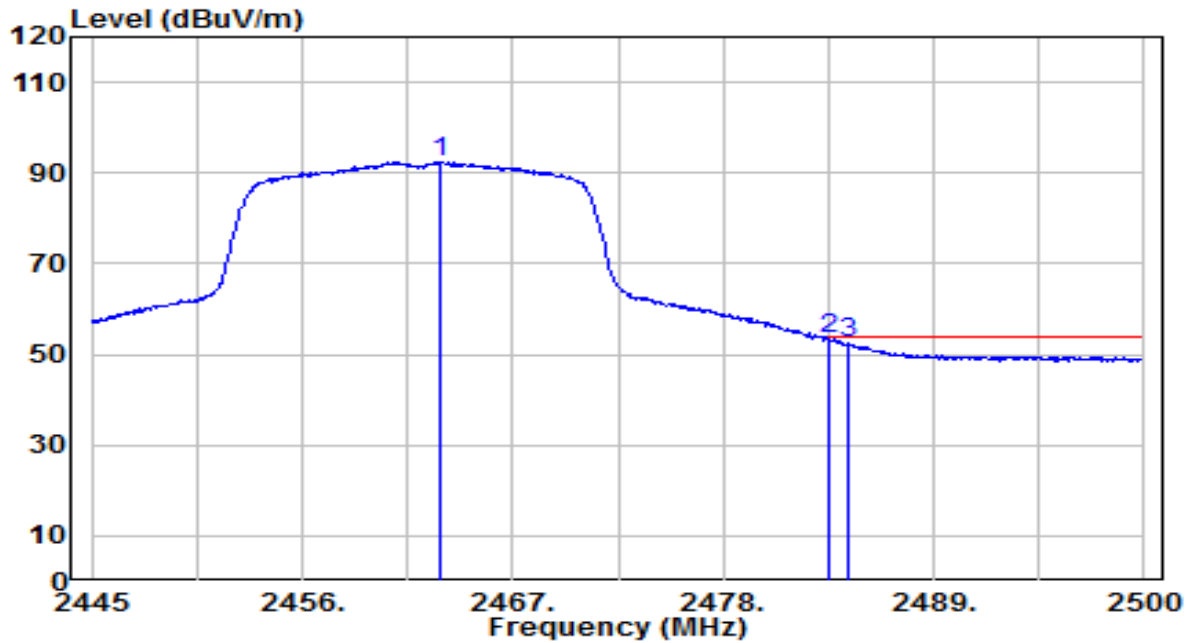


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.920	69.29	32.23	101.52	N/A	N/A	185	15	Peak
2	2483.500	38.03	32.30	70.32	-3.68	74.00	185	15	Peak
3	* 2485.205	38.38	32.30	70.69	-3.31	74.00	185	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0	Test Voltage	AC 120V/60Hz

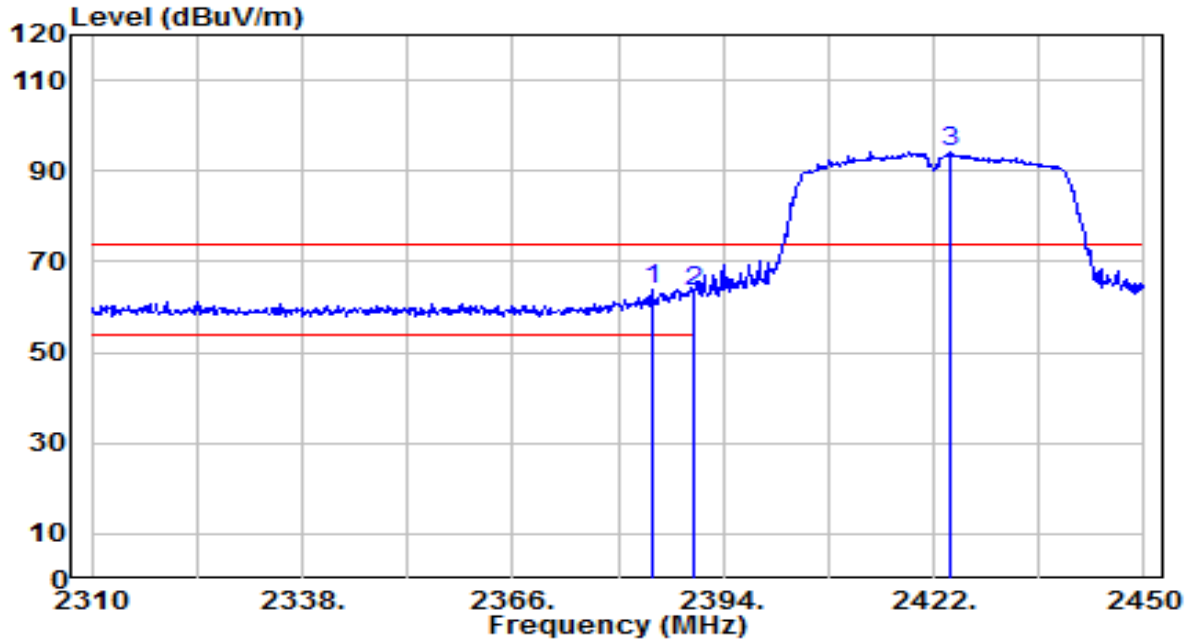


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.260	60.15	32.22	92.37	N/A	N/A	185	15	Average
2	* 2483.500	21.12	32.30	53.42	-0.58	54.00	185	15	Average
3	2484.600	20.03	32.30	52.33	-1.67	54.00	185	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

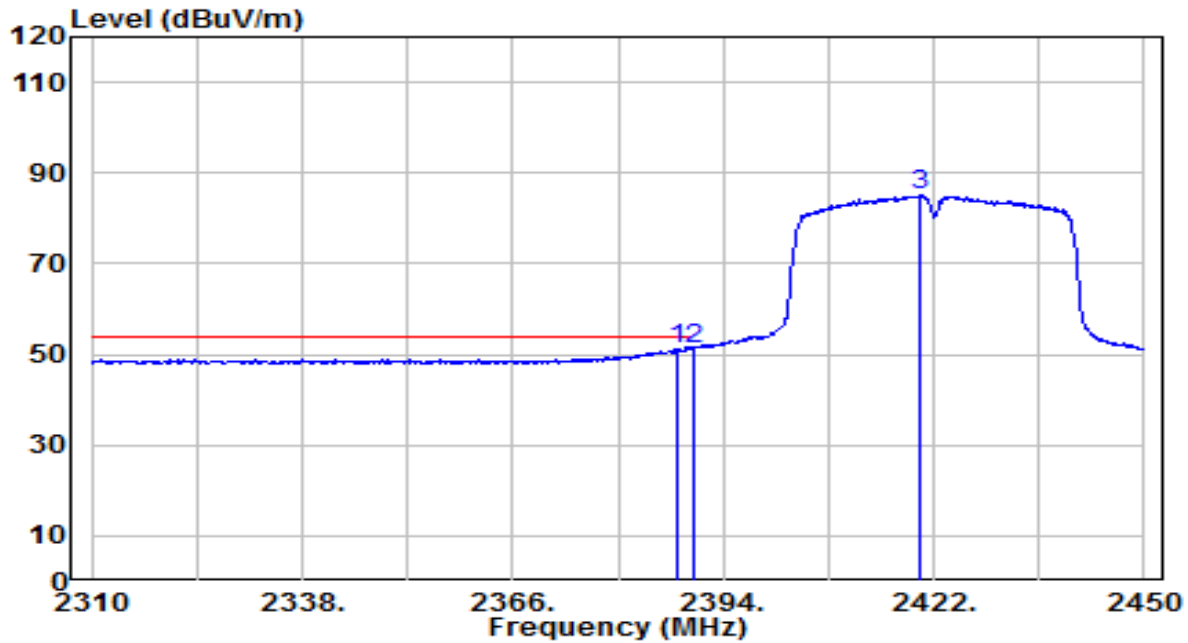


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2384.480	31.92	31.93	63.85	-10.15	74.00	205	320	Peak
2		2390.000	31.29	31.95	63.24	-10.76	74.00	205	320	Peak
3		2424.240	62.03	32.08	94.11	N/A	N/A	205	320	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

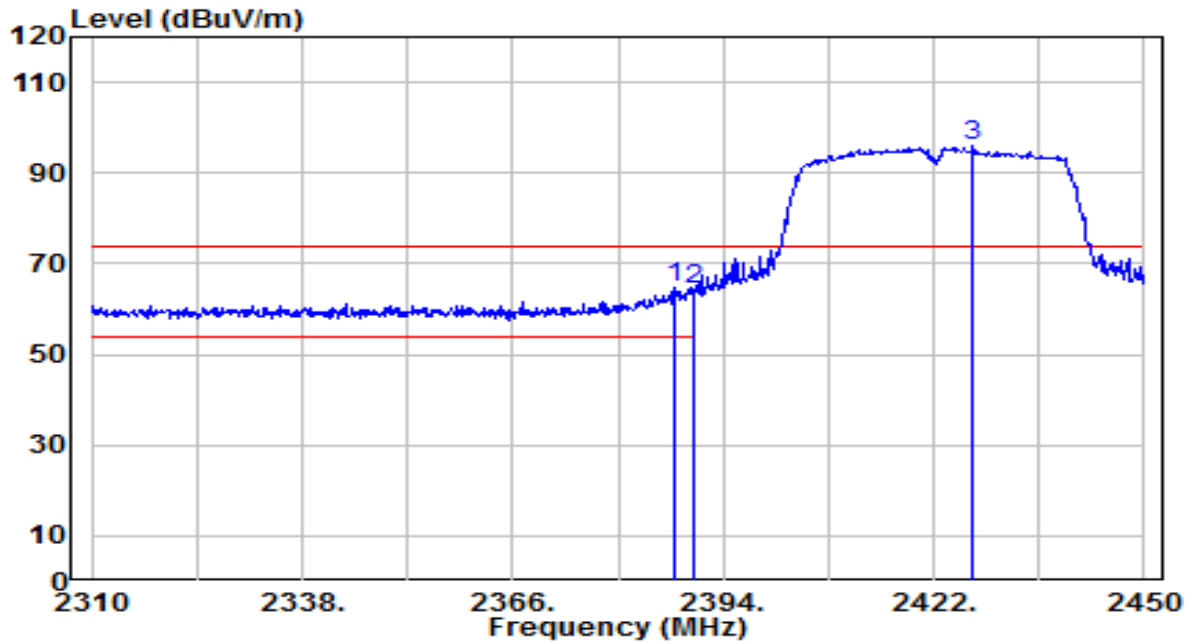


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.980	19.17	31.94	51.11	-2.89	54.00	205	320	Average
2	* 2390.000	19.18	31.95	51.13	-2.87	54.00	205	320	Average
3	2420.040	52.99	32.06	85.05	N/A	N/A	205	320	Average

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	2024-09-25
Factor	BBHA 9120D	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

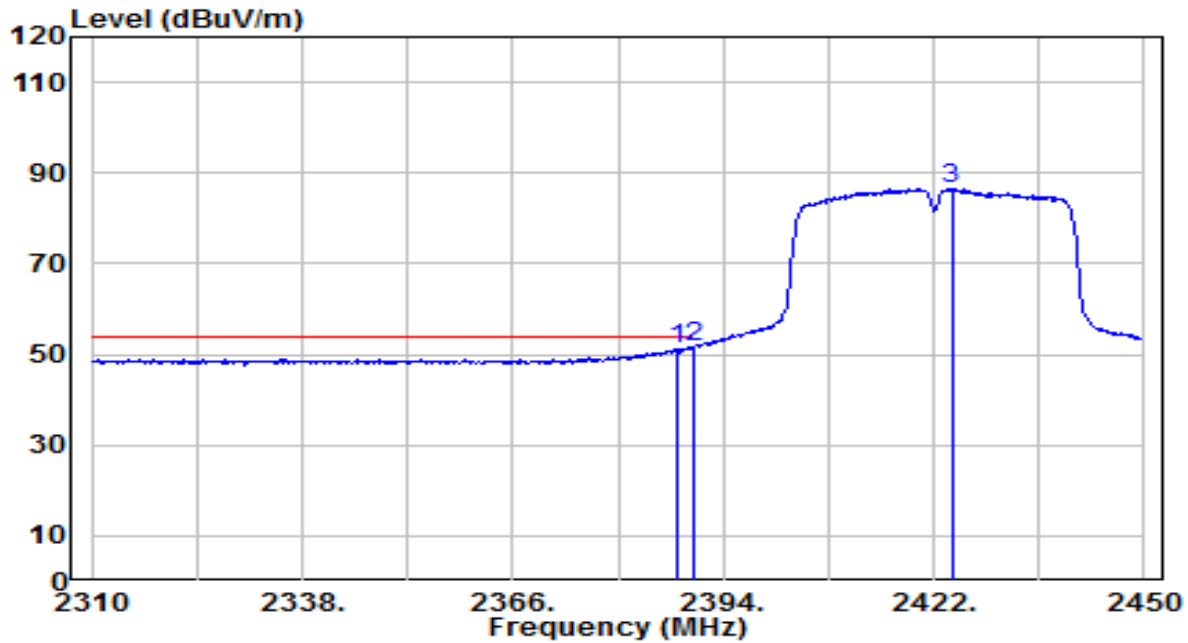


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2387.420	32.65	31.94	64.59	-9.41	74.00	210	15	Peak
2		2390.000	32.13	31.95	64.08	-9.92	74.00	210	15	Peak
3		2427.180	63.94	32.09	96.03	N/A	N/A	210	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0	Test Voltage	AC 120V/60Hz

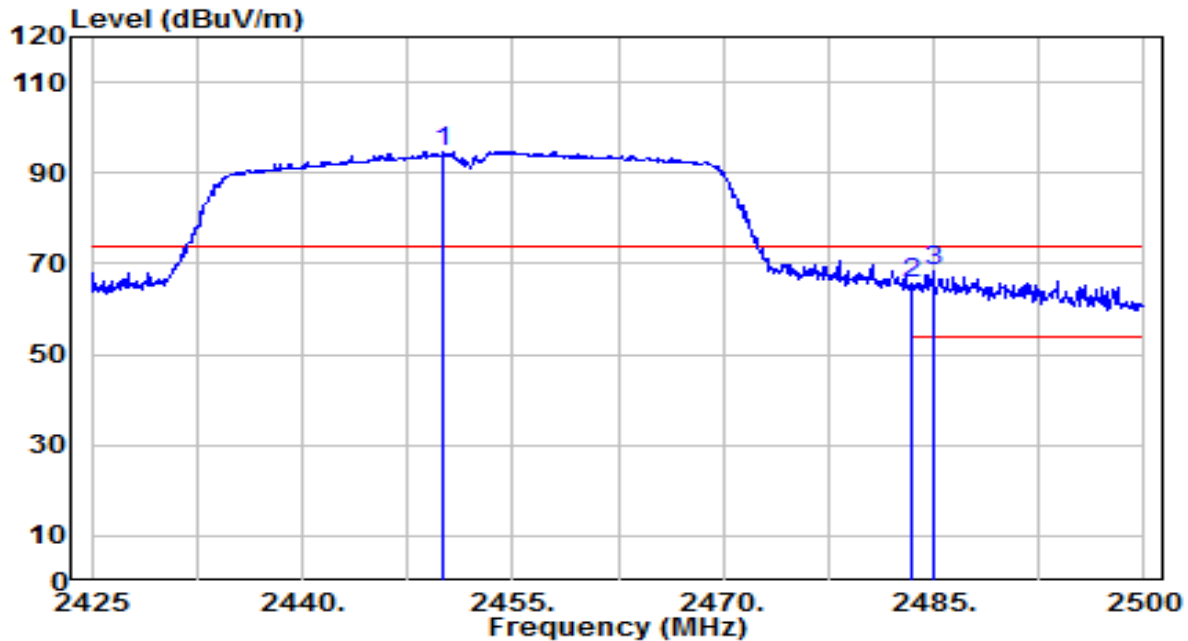


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.980	19.09	31.94	51.03	-2.97	54.00	210	15	Average
2	* 2390.000	19.66	31.95	51.61	-2.39	54.00	210	15	Average
3	2424.380	54.43	32.08	86.51	N/A	N/A	210	15	Average

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0	Test Voltage	AC 120V/60Hz

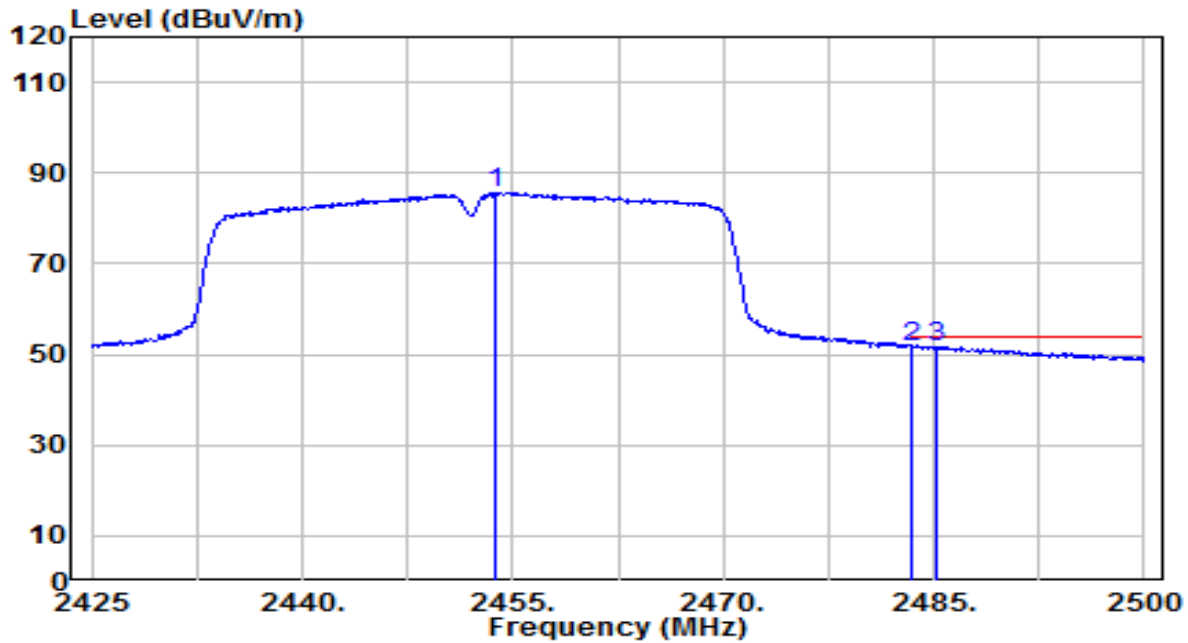


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2450.050	62.54	32.17	94.72	N/A	N/A	190	295	Peak
2	2483.500	33.15	32.30	65.45	-8.55	74.00	190	295	Peak
3	* 2485.000	36.04	32.30	68.34	-5.66	74.00	190	295	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0	Test Voltage	AC 120V/60Hz

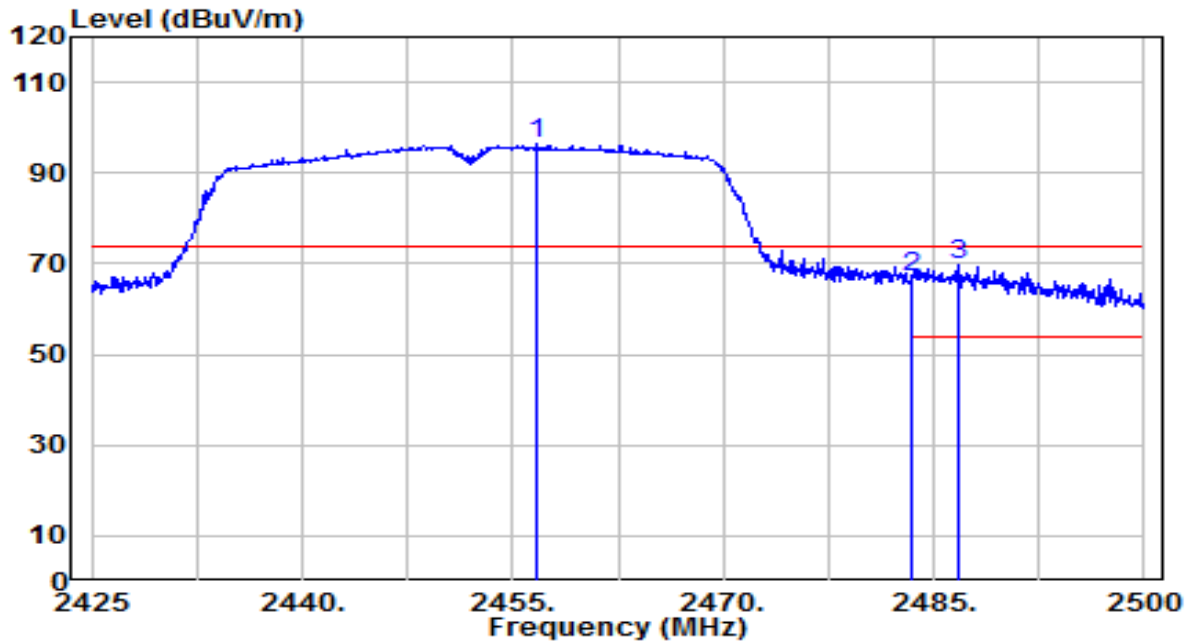


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2453.725	53.51	32.19	85.70	N/A	N/A	190	295	Average
2	2483.500	19.43	32.30	51.73	-2.27	54.00	190	295	Average
3	* 2485.150	19.53	32.30	51.84	-2.16	54.00	190	295	Average

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0	Test Voltage	AC 120V/60Hz

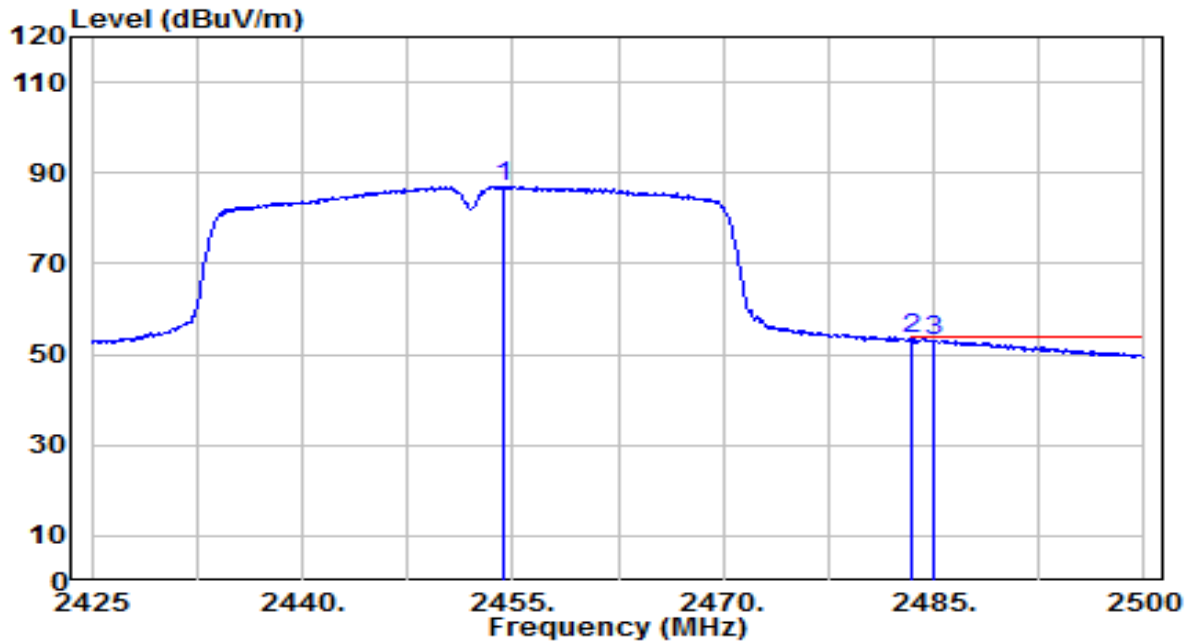


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.800	64.46	32.20	96.66	N/A	N/A	185	15	Peak
2	2483.500	34.87	32.30	67.17	-6.83	74.00	185	15	Peak
3	* 2486.725	37.32	32.31	69.63	-4.37	74.00	185	15	Peak

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	Temp. / Humidity	24°C /68%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	802.11n-40MHz_TX_CH 9_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	2454.325	54.92	32.19	87.11	N/A	N/A	185	15	Average
2	* 2483.500	21.17	32.30	53.46	-0.54	54.00	185	15	Average
3	2484.925	20.73	32.30	53.04	-0.96	54.00	185	15	Average

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.

7.8. AC Conducted Emissions Measurement

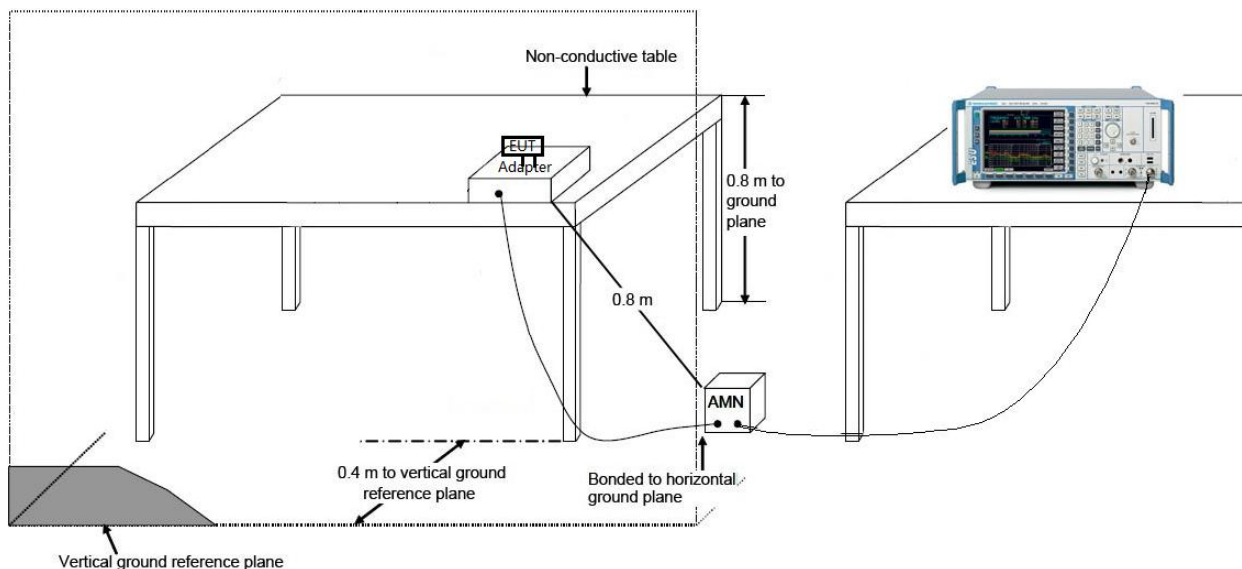
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits		
Frequency (MHz)	QP (dB μ V)	Average (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.

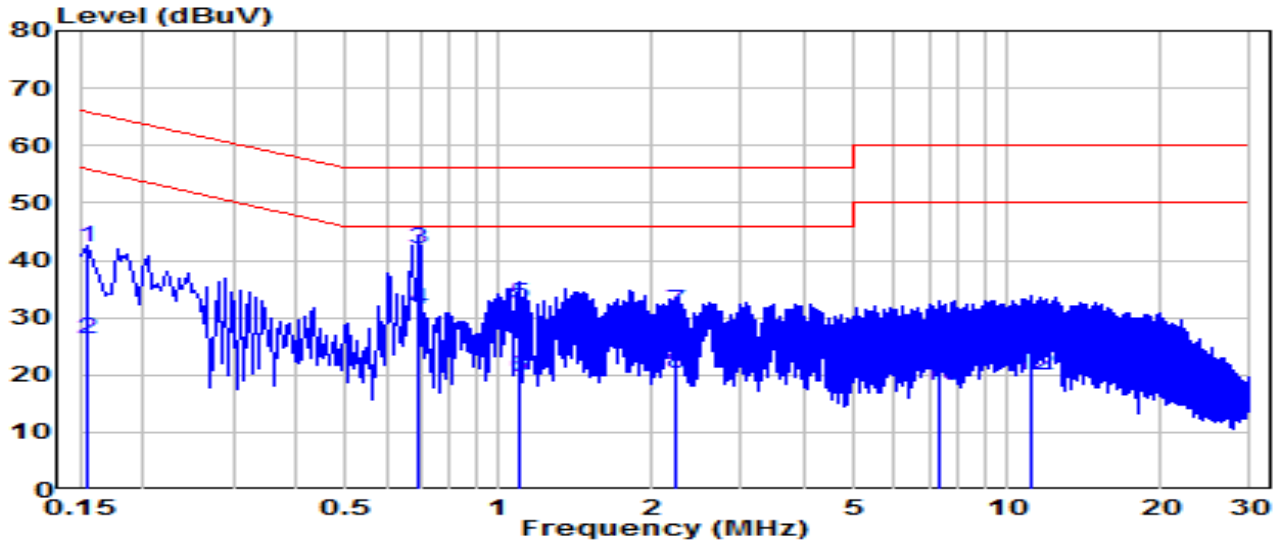
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. 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	802.11n-20MHz_TX_CH6_Ant 0	Test Voltage	AC 120V/60Hz

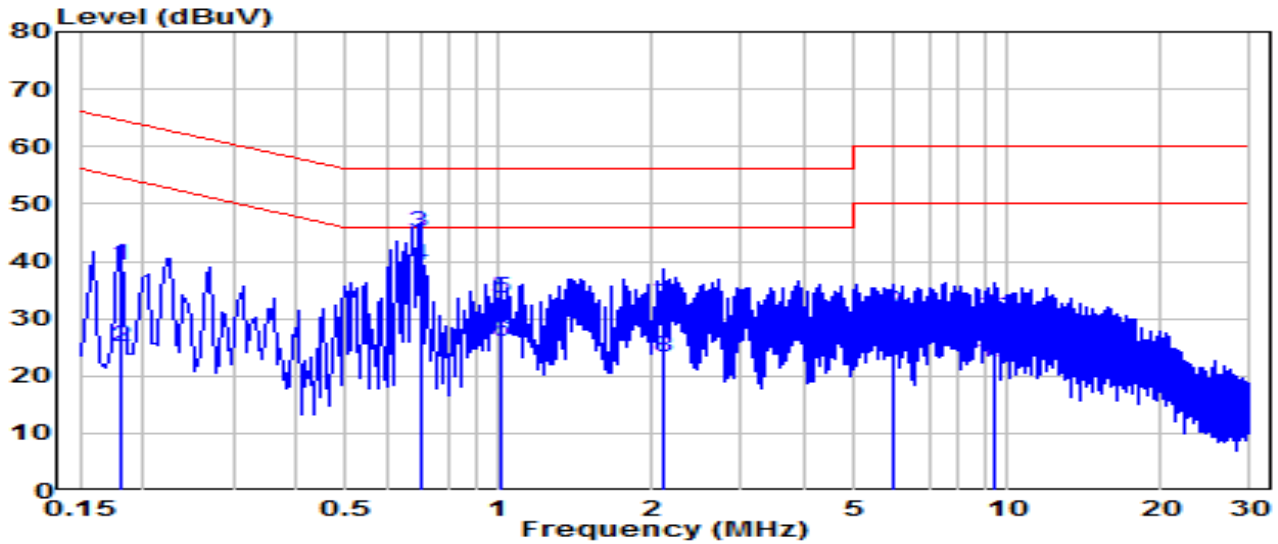


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	0.154	32.64	9.63	42.27	-23.48	65.75	QP
2	0.154	16.58	9.63	26.21	-29.54	55.75	Average
3	* 0.694	32.26	9.66	41.92	-14.08	56.00	QP
4	* 0.694	21.76	9.66	31.42	-14.58	46.00	Average
5	1.099	22.67	9.68	32.35	-23.65	56.00	QP
6	1.099	9.84	9.68	19.52	-26.48	46.00	Average
7	2.233	21.40	9.70	31.10	-24.90	56.00	QP
8	2.233	10.50	9.70	20.21	-25.79	46.00	Average
9	7.394	17.43	9.81	27.23	-32.77	60.00	QP
10	7.394	8.19	9.81	17.99	-32.01	50.00	Average
11	11.102	18.29	9.88	28.17	-31.83	60.00	QP
12	11.102	9.92	9.88	19.79	-30.21	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	802.11n-20MHz_TX_CH6_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	0.181	29.65	9.63	39.28	-25.13	64.42	QP
2	0.181	15.48	9.63	25.11	-29.30	54.42	Average
3	* 0.699	35.27	9.66	44.93	-11.07	56.00	QP
4	* 0.699	29.68	9.66	39.34	-6.66	46.00	Average
5	1.009	23.96	9.68	33.64	-22.36	56.00	QP
6	1.009	16.24	9.68	25.92	-20.08	46.00	Average
7	2.098	22.65	9.71	32.37	-23.63	56.00	QP
8	2.098	13.50	9.71	23.21	-22.79	46.00	Average
9	5.932	21.40	9.78	31.18	-28.82	60.00	QP
10	5.932	13.51	9.78	23.29	-26.71	50.00	Average
11	9.487	20.71	9.88	30.58	-29.42	60.00	QP
12	9.487	12.59	9.88	22.47	-27.53	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 15C & IC RSS-247 of the FCC Rules & IC 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 —————