



MEASUREMENT REPORT

FCC ID : INGUF-20DA

APPLICANT : JTS PROFESSIONAL CO., LTD.

Application Type : Certification

Product : Wireless Receiver

Model No. : UF-20 DA

Brand Name : JTS

Trademark : 

FCC Classification : (DTS) Digital Transmission System

FCC Rule Part(s) : Part 15.249

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

Received Date : July 10, 2024

Test Date : October 24, 2024 ~ January 1, 2025

Tested By : *Kaunaz Lee*

(Kaunaz Lee)



Reviewed By : *Paddy Chen*
(Paddy Chen)



Approved By : *Chenz Ker*
(Chenz Ker)

The test results only relate to the tested samples.

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

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

Revision History

| Report No. | Version | Description | Issue Date | Note |
|---------------|---------|-----------------|------------|------|
| 2407TWU102-U1 | 1.0 | Original Report | 2025-05-13 | |

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General Information

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Applicant | JTS PROFESSIONAL CO., LTD. |
| Applicant Address | No. 148, Gongye 9th Rd., Dali Dist., Taichung City 412037, Taiwan |
| Manufacturer | JTS PROFESSIONAL CO., LTD. |
| Manufacturer Address | No. 148, Gongye 9th Rd., Dali Dist., Taichung City 412037, 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 |
| FCC Rule Part(s) | Part 15.249 |
| Test Device Serial No. | #1-1 <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering |

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 Taiwan, EU and TELEC Rules.

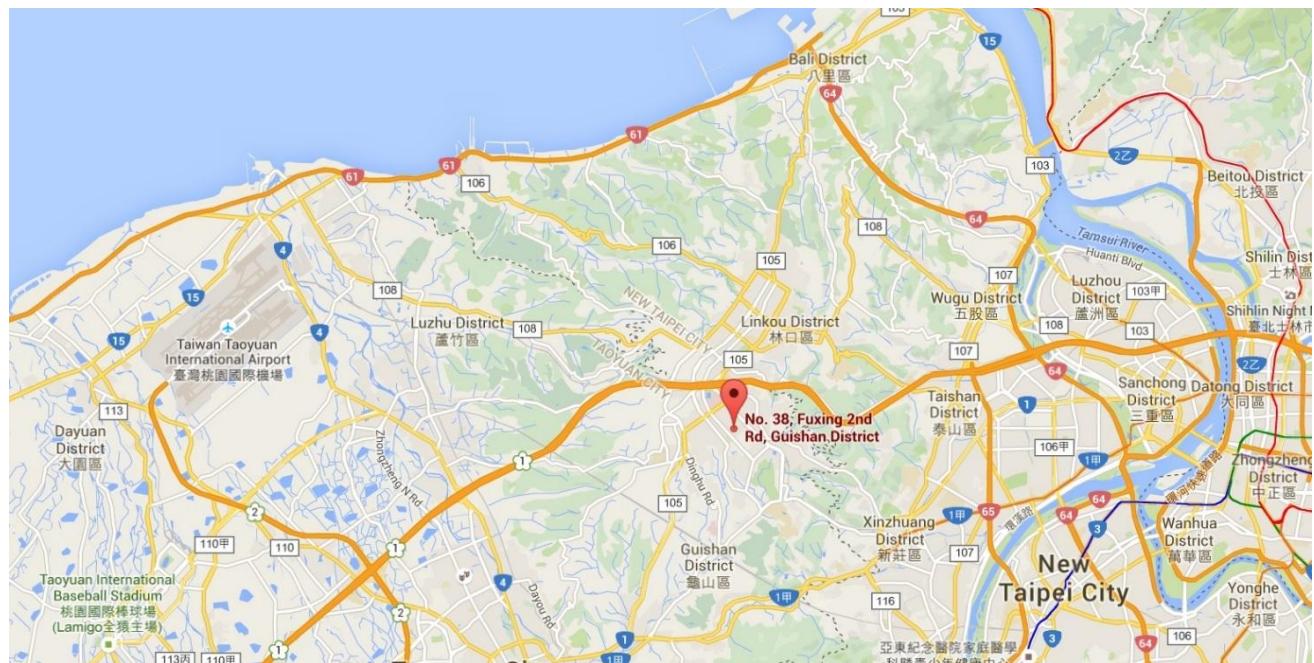
1. INTRODUCTION

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 | Wireless Receiver |
| Model No. | UF-20 DA |

2.2. Product Specification Subjective to this Standard

| | |
|---------------------|-----------------|
| Operating Frequency | 2412MHz~2424MHz |
| Specification | SRD 2.4GHz |
| Type of modulation | FSK |

2.3. Test Mode

| | |
|-----------|--------------------------------|
| Test Mode | Mode 1: Transmit by SRD 2.4GHz |
|-----------|--------------------------------|

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

2.4. Operation Frequency / Channel List

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 01 | 2412 MHz | 02 | 2416 MHz | 03 | 2420 MHz |
| 04 | 2424 MHz | -- | -- | -- | -- |

2.5. 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.

2.6. Test Software

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

2.7. EMI Suppression Device(s)/Modifications

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

2.8. 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 of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance was used in the measurement.

Deviation from measurement procedure.....None

3.2. 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 **Wireless Receiver**, 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 | ACX | AT3216-B2R7HAA | Chip | 0.5dBi |

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions – SR2

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

Radiated Emissions – AC1

| Instrument | Manufacturer | Type No. | Asset No. | Cali. Interval | Cali. Due Date |
|----------------------------|--------------|---------------------------|-------------|----------------|----------------|
| Active Loop Antenna | SCHWARZBECK | FMZB 1519B | MRTTWA00002 | 1 year | 2025/5/7 |
| Broadband TRILOG Antenna | SCHWARZBECK | VULB 9162 | MRTTWA00086 | 1 year | 2025/11/5 |
| Broadband Hornantenna | SCHWARZBECK | BBHA 9120D | MRTTWA00003 | 1 year | 2026/2/11 |
| Broadband Preamplifier | SCHWARZBECK | BBV 9718 | MRTTWA00005 | 1 year | 2026/2/11 |
| Breitband Hornantenna | SCHWARZBECK | BBHA 9170 | MRTTWA00004 | 1 year | 2025/3/26 |
| Broadband Amplifier | SCHWARZBECK | BBV 9721 | MRTTWA00006 | 1 year | 2025/3/21 |
| EMI Test Receiver | R&S | ESR3 | MRTTWA00009 | 1 year | 2026/3/4 |
| Signal Analyzer | R&S | FSV40 | MRTTWA00007 | 1 year | 2025/3/14 |
| 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 |

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: ± 2.53 dB |
| Conducted Measurement |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_{c(y)}$): ± 1.3 dB |
| Radiated Spurious Emission |
| Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_{c(y)}$): 9kHz~30MHz: ± 3.92 dB 30MHz~1GHz: ± 4.25 dB 1GHz~18GHz: ± 4.40 dB 18GHz~40GHz: ± 4.45 dB |

7. TEST RESULT

7.1. Summary

Product Name: Wireless Receiver

FCC Classification: (DTS) Digital Transmission System

| FCC Part Section(s) | Test Description | Test Limit | Test Condition | Test Result | Reference |
|---------------------|------------------------------------------|----------------------------------------|----------------|-------------|-------------|
| 15.205 15.209 | Spurious Emission | < FCC 15.209 limits | Radiated | Pass | Section 7.2 |
| 15.205 15.209 | Band Edge Measurement | ≤ 74dBuV/m(Peak) ≤54dBuV/m(Average) | | Pass | Section 7.3 |
| 15.249 | Field strength of fundamental | < FCC 15.249 limits | | Pass | Section 7.4 |
| 15.207 | AC Conducted Emissions 150kHz - 30MHz | < FCC 15.207 limits | Line Conducted | Pass | Section 7.5 |

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. Radiated Spurious Emission Measurement

7.2.1. 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 |

7.2.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.11 & 11.12

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)

7.2.3. 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

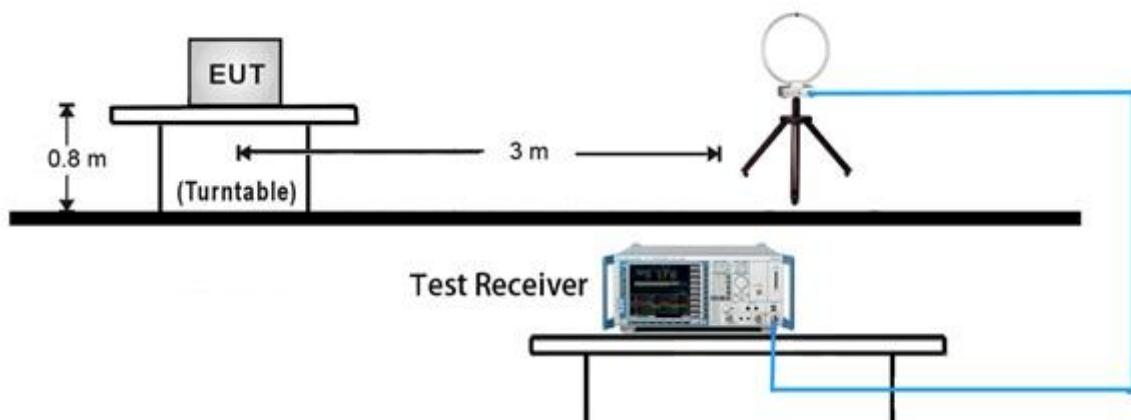
| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

Average Field Strength Measurements

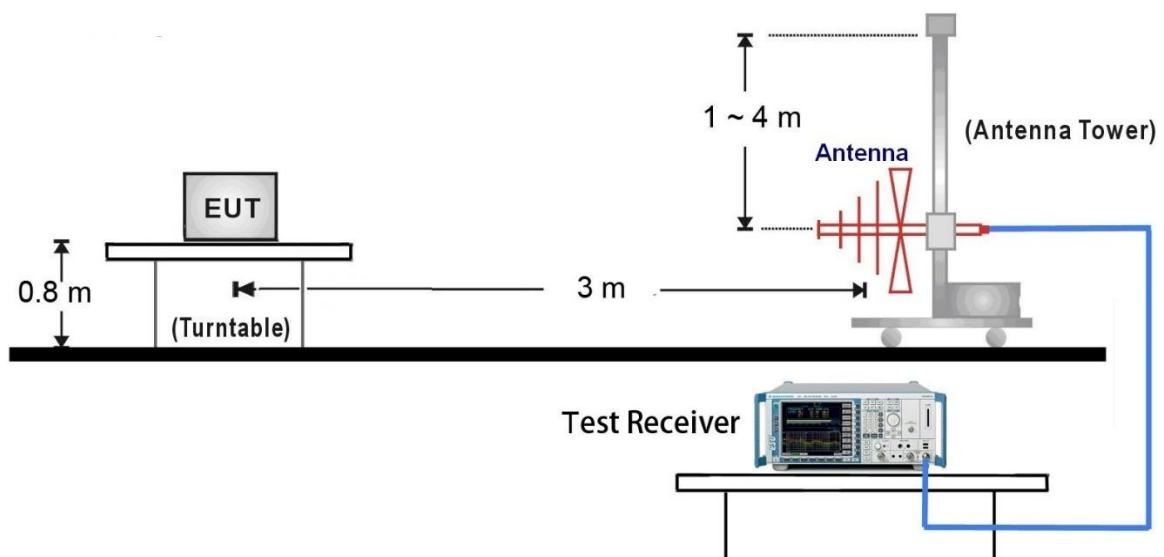
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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

7.2.4. Test Setup

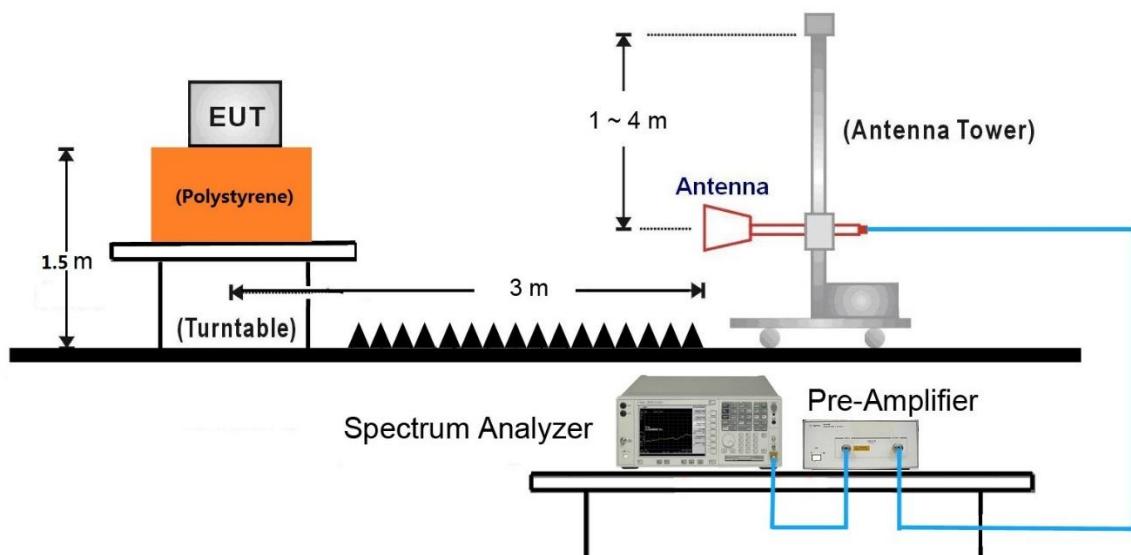
9kHz ~ 30MHz Test Setup:



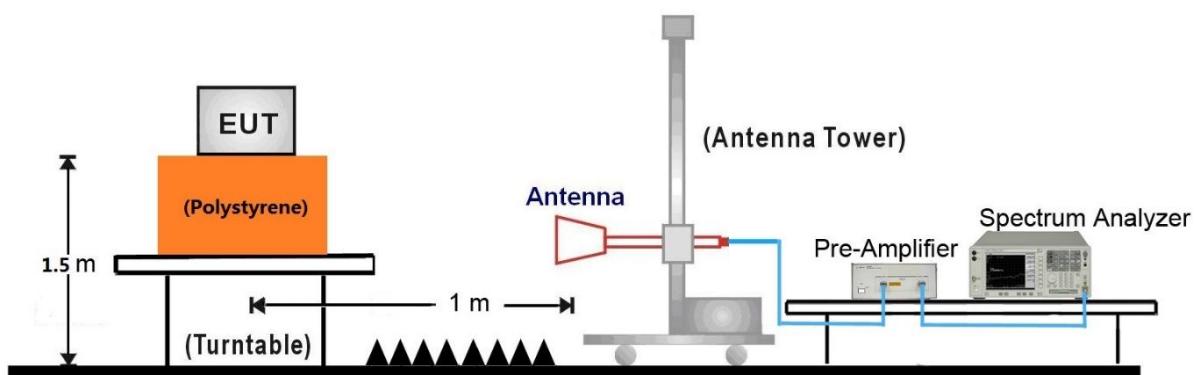
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

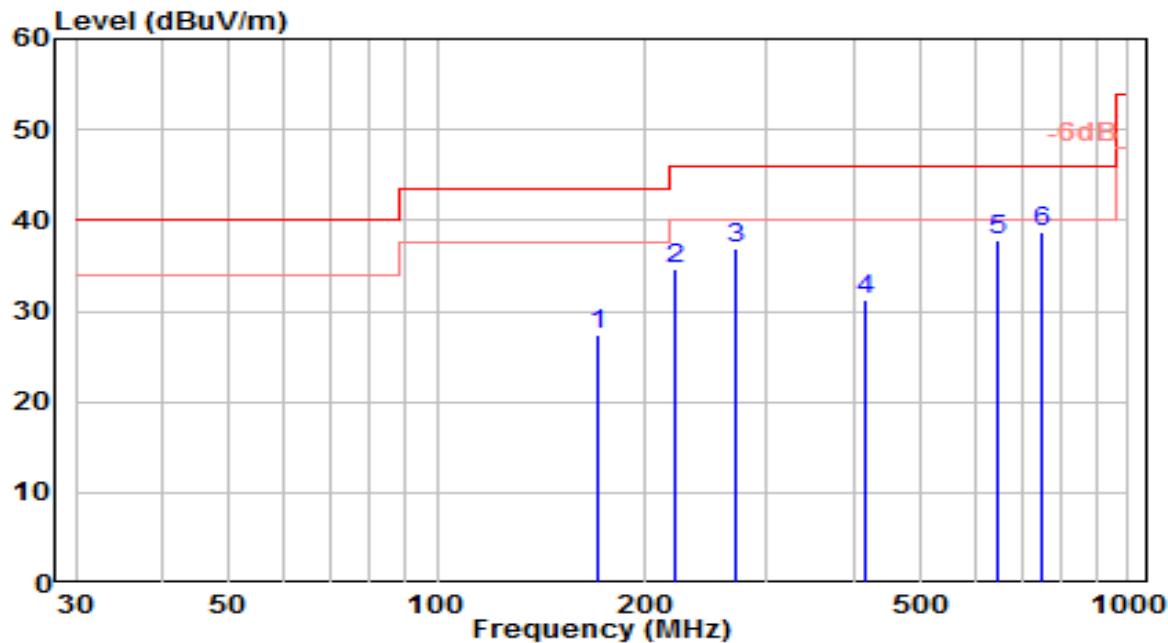


18GHz ~25GHz Test Setup:



7.2.5. Test Result

| | | | |
|-----------|---------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | VULB 9162 | Temp. / Humidity | 23°C / 67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

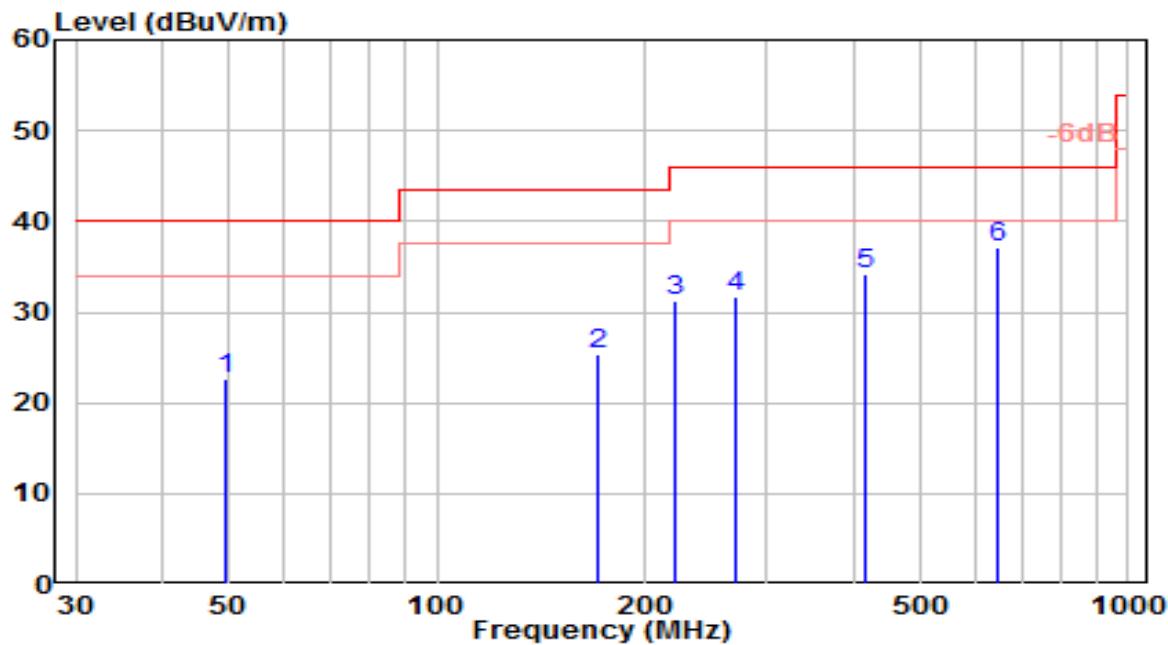


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|--------|
| 1 | 171.620 | 11.01 | 16.43 | 27.44 | -16.06 | 43.50 | 150 | 115 | QP |
| 2 | 221.090 | 15.71 | 19.00 | 34.71 | -11.29 | 46.00 | 150 | 205 | QP |
| 3 | 270.560 | 16.32 | 20.49 | 36.81 | -9.19 | 46.00 | 100 | 280 | QP |
| 4 | 418.000 | 7.31 | 23.99 | 31.29 | -14.71 | 46.00 | 150 | 260 | QP |
| 5 | 649.830 | 11.04 | 26.70 | 37.74 | -8.26 | 46.00 | 150 | 140 | QP |
| 6 * | 750.710 | 9.18 | 29.60 | 38.78 | -7.22 | 46.00 | 100 | 120 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | VULB 9162 | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

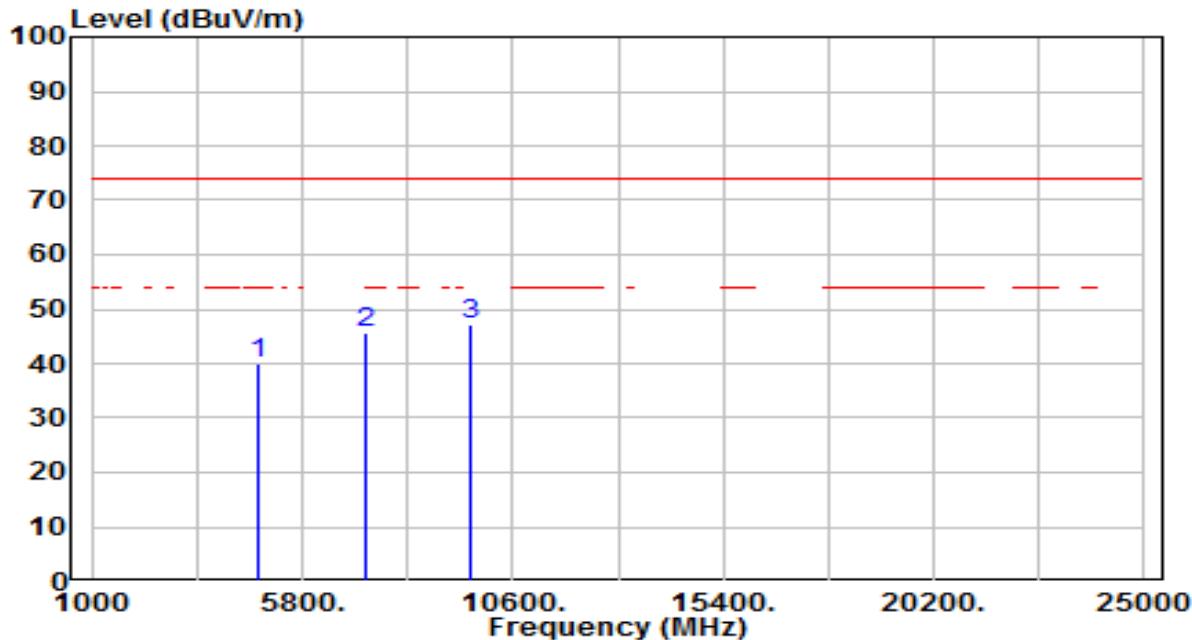


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 | 49.400 | 1.38 | 21.21 | 22.59 | -17.41 | 40.00 | 100 | 85 | QP |
| 2 | 171.620 | 8.82 | 16.43 | 25.25 | -18.25 | 43.50 | 100 | 185 | QP |
| 3 | 221.090 | 12.15 | 19.00 | 31.14 | -14.86 | 46.00 | 150 | 125 | QP |
| 4 | 270.560 | 11.28 | 20.49 | 31.77 | -14.23 | 46.00 | 150 | 215 | QP |
| 5 | 418.000 | 10.13 | 23.99 | 34.12 | -11.88 | 46.00 | 150 | 200 | QP |
| 6 * | 649.830 | 10.32 | 26.70 | 37.02 | -8.98 | 46.00 | 150 | 210 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

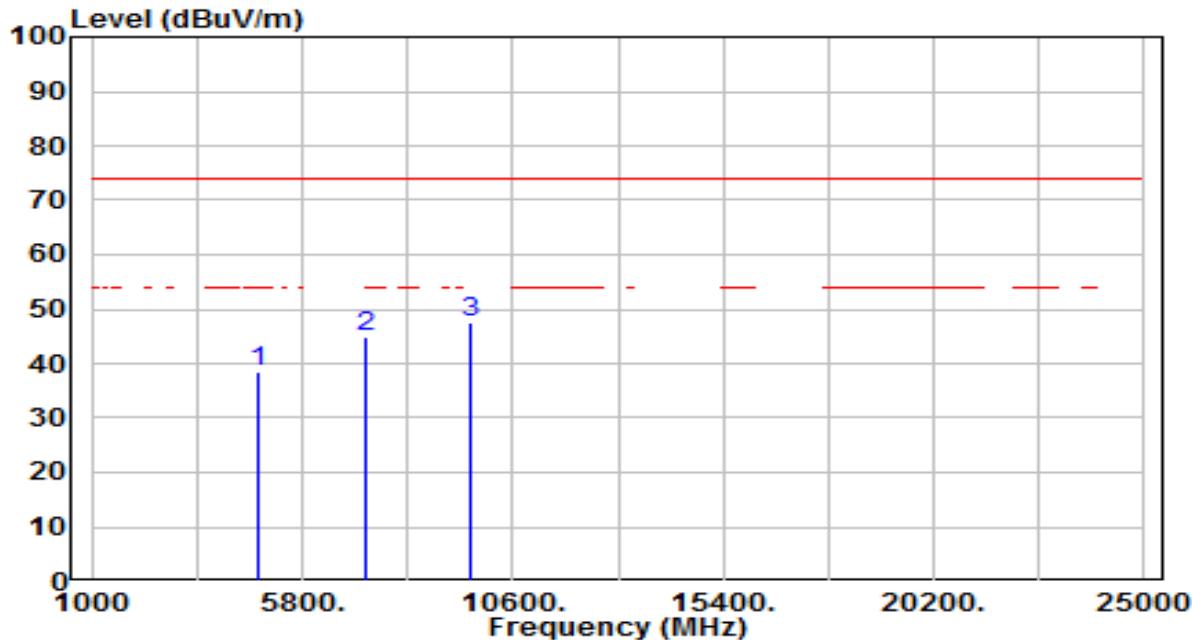


| No | Frequency (MHz) | Reading (dB _{BuV}) | C.F (dB/m) | Measurement (dB _{BuV/m}) | Margin (dB) | Limit (dB _{BuV/m}) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|------------------------------|------------|------------------------------------|-------------|------------------------------|-------------|-------------|-------------------|
| 1 | 4824.100 | 36.13 | 3.75 | 39.88 | -34.12 | 74.00 | 200 | 159 | Peak |
| 2 | 7236.150 | 34.02 | 11.68 | 45.70 | -28.30 | 74.00 | 200 | 205 | Peak |
| 3 * | 9648.200 | 31.44 | 15.77 | 47.21 | -26.79 | 74.00 | 200 | 117 | 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 (dB_{BuV/m}) = Reading(dB_{BuV}) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

| | | | |
|-----------|------------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

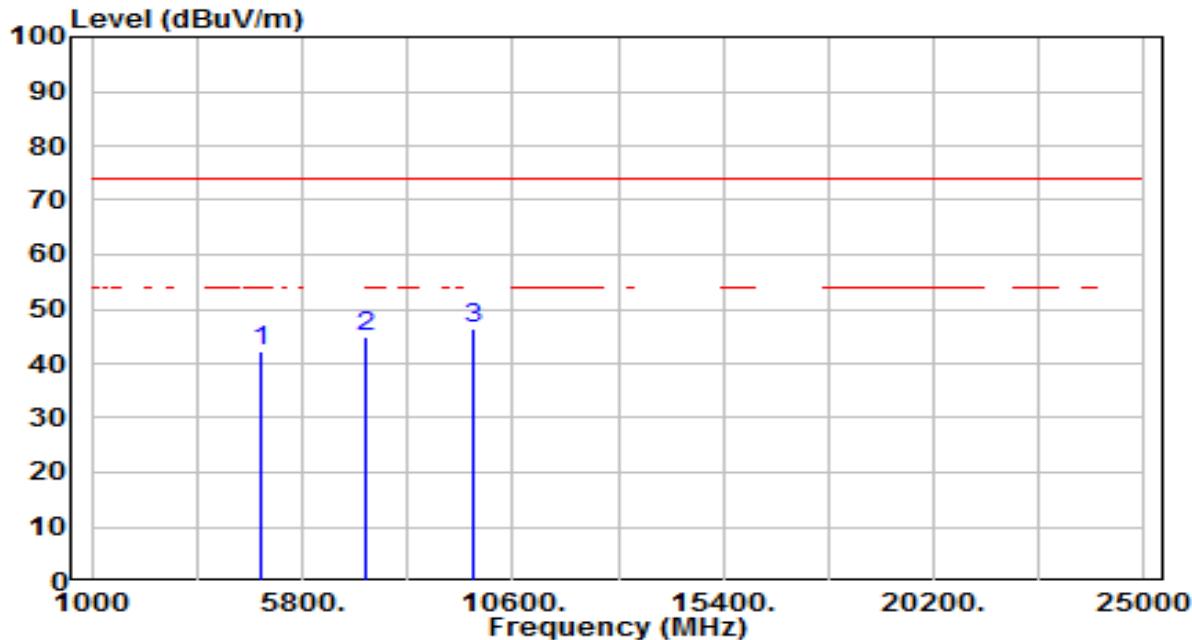


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 | 4824.100 | 34.62 | 3.75 | 38.37 | -35.63 | 74.00 | 200 | 284 | Peak |
| 2 | 7236.150 | 33.08 | 11.68 | 44.76 | -29.24 | 74.00 | 200 | 337 | Peak |
| 3 * | 9648.200 | 31.60 | 15.77 | 47.37 | -26.63 | 74.00 | 200 | 124 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

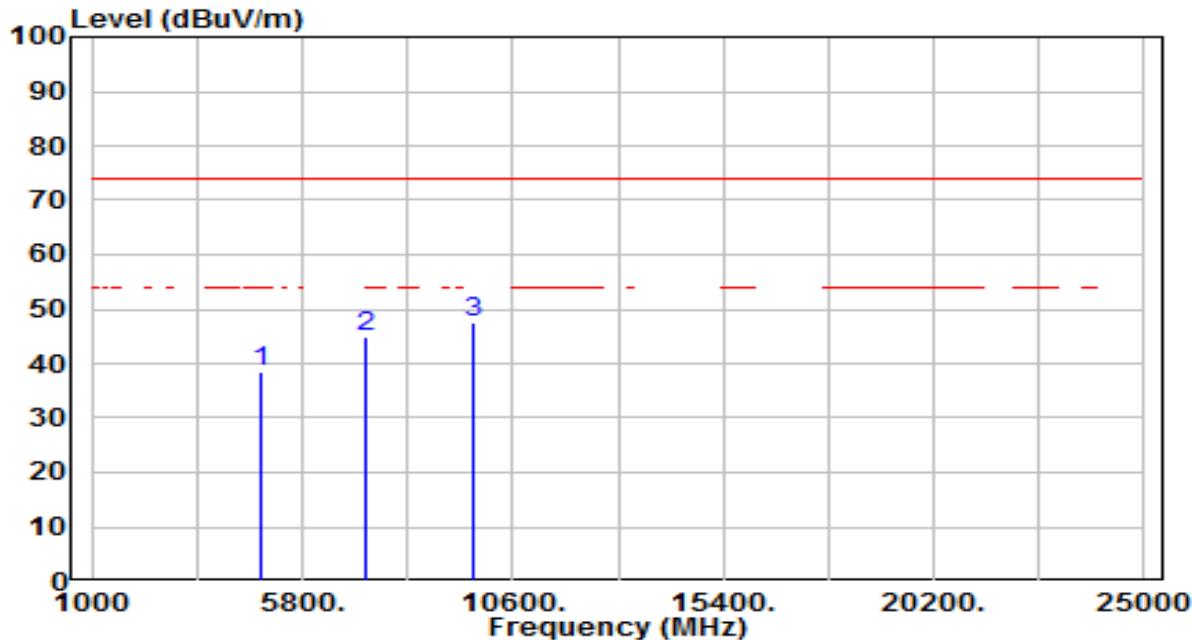


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 | 4840.100 | 38.31 | 3.78 | 42.08 | -31.92 | 74.00 | 200 | 166 | Peak |
| 2 | 7260.150 | 33.26 | 11.76 | 45.02 | -28.98 | 74.00 | 200 | 184 | Peak |
| 3 * | 9680.200 | 30.69 | 15.83 | 46.52 | -27.48 | 74.00 | 200 | 208 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

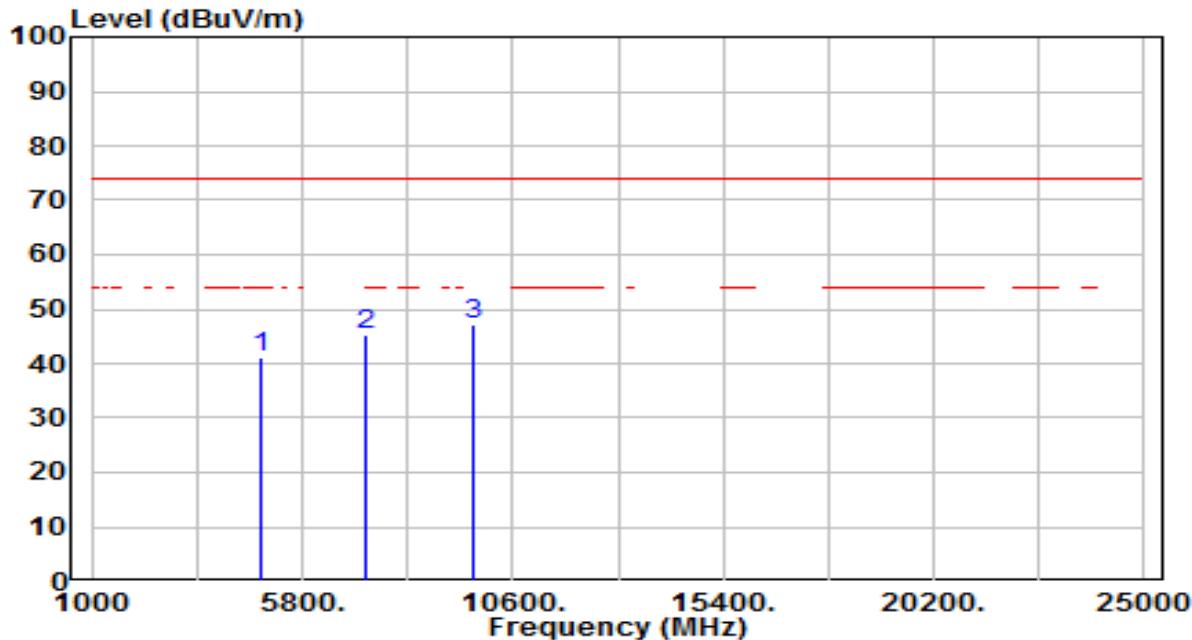


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 | 4840.100 | 34.60 | 3.78 | 38.38 | -35.62 | 74.00 | 200 | 286 | Peak |
| 2 | 7260.150 | 32.98 | 11.76 | 44.74 | -29.26 | 74.00 | 200 | 269 | Peak |
| 3 * | 9680.200 | 31.54 | 15.83 | 47.37 | -26.63 | 74.00 | 200 | 248 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

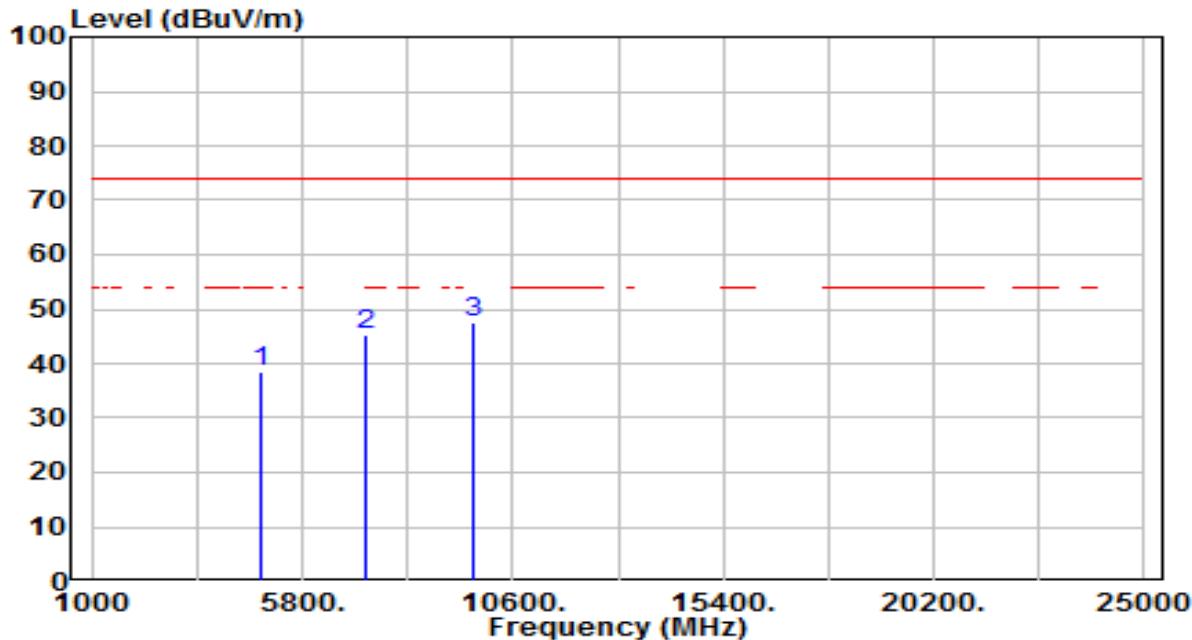


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 | 4848.100 | 37.35 | 3.79 | 41.14 | -32.86 | 74.00 | 200 | 169 | Peak |
| 2 | 7272.150 | 33.62 | 11.80 | 45.42 | -28.58 | 74.00 | 200 | 173 | Peak |
| 3 * | 9696.200 | 31.26 | 15.86 | 47.11 | -26.89 | 74.00 | 200 | 62 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | 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 | 4848.100 | 34.70 | 3.79 | 38.49 | -35.51 | 74.00 | 200 | 215 | Peak |
| 2 | 7272.150 | 33.64 | 11.80 | 45.44 | -28.56 | 74.00 | 200 | 90 | Peak |
| 3 * | 9696.200 | 31.54 | 15.86 | 47.40 | -26.60 | 74.00 | 200 | 340 | 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.

7.3. Radiated Restricted Band Edge Measurement

7.3.1. 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 |

7.3.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

7.3.3. 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

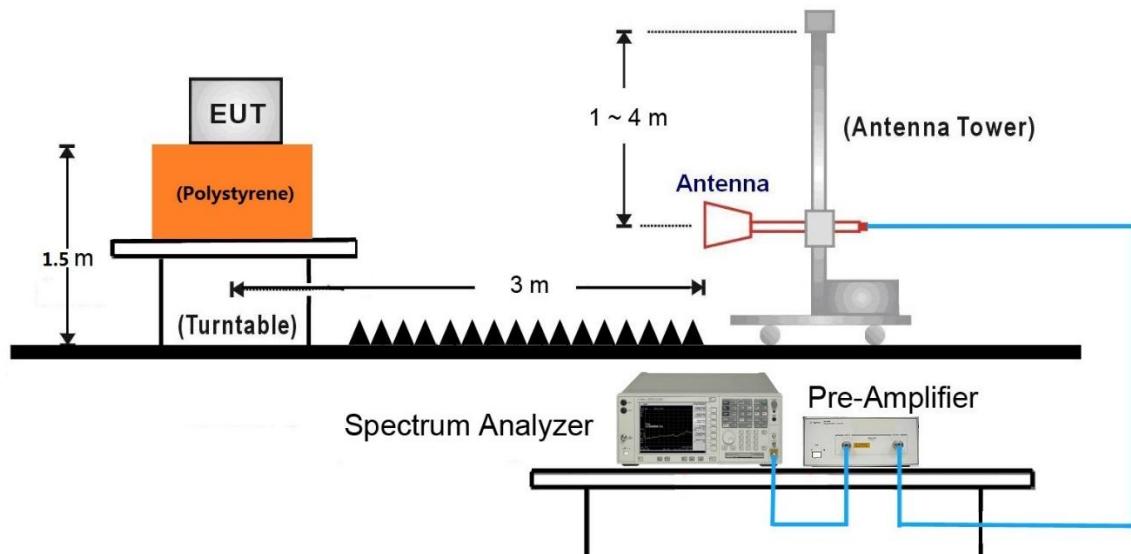
| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

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

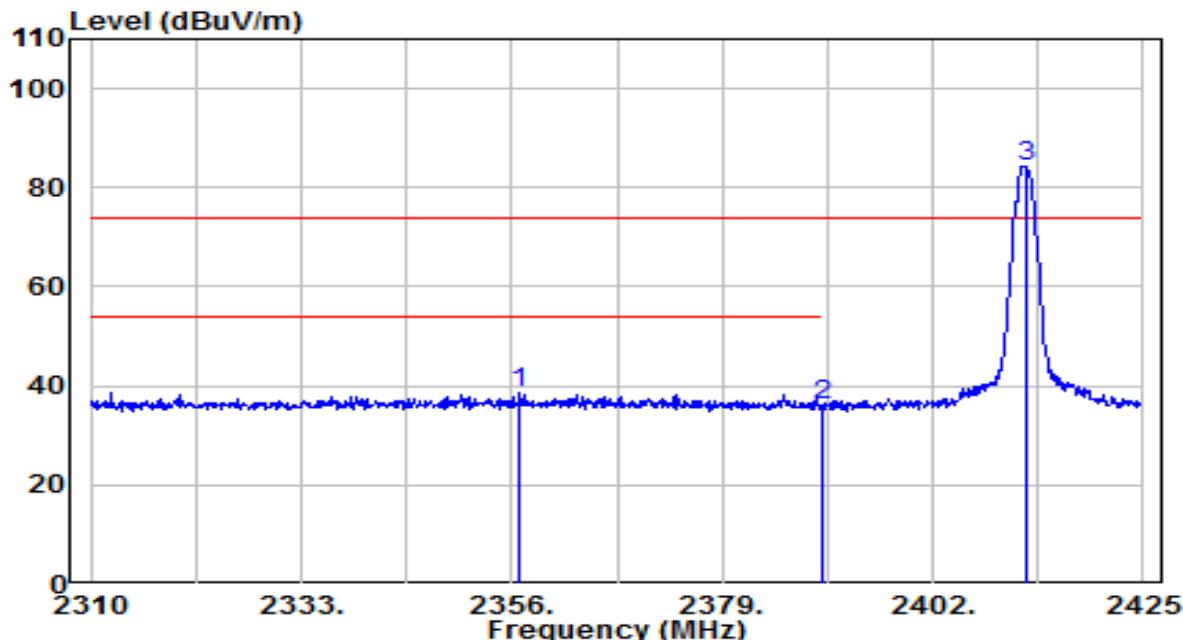
7.3.4. Test Setup

1GHz ~ 18GHz Test Setup:



7.3.5. Test Result

| | | | |
|-----------|---------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

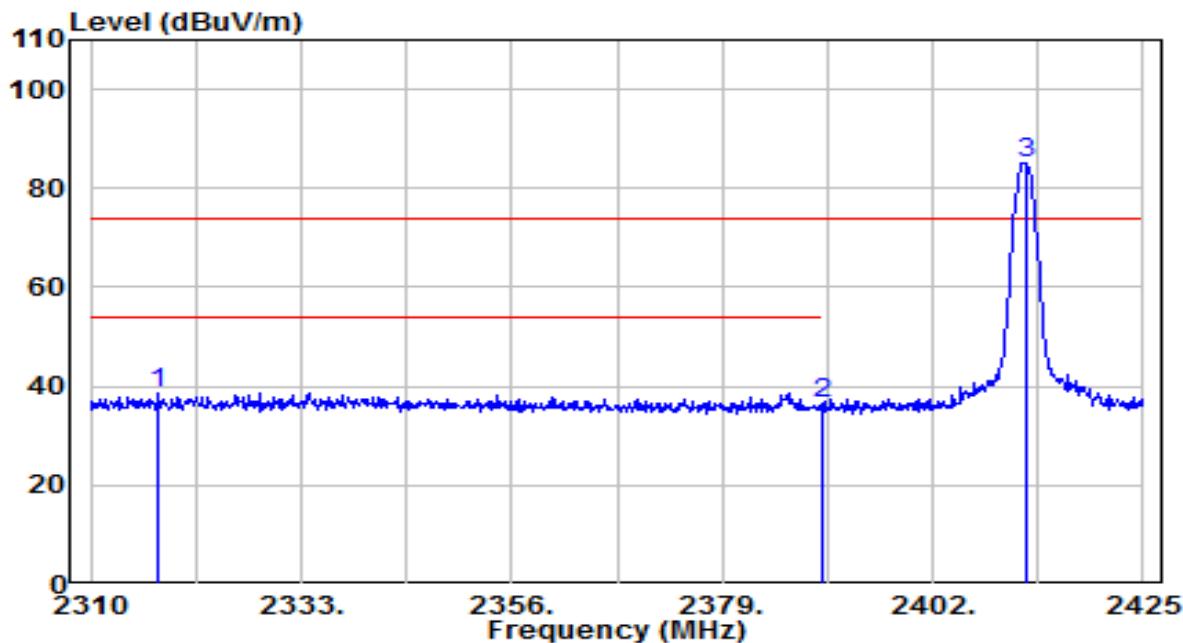


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2356.805 | 40.71 | -2.13 | 38.57 | -35.43 | 74.00 | 130 | 115 | Peak |
| 2 | 2390.000 | 38.32 | -2.03 | 36.30 | -37.70 | 74.00 | 130 | 115 | Peak |
| 3 | 2412.120 | 86.35 | -1.96 | 84.39 | N/A | N/A | 130 | 115 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

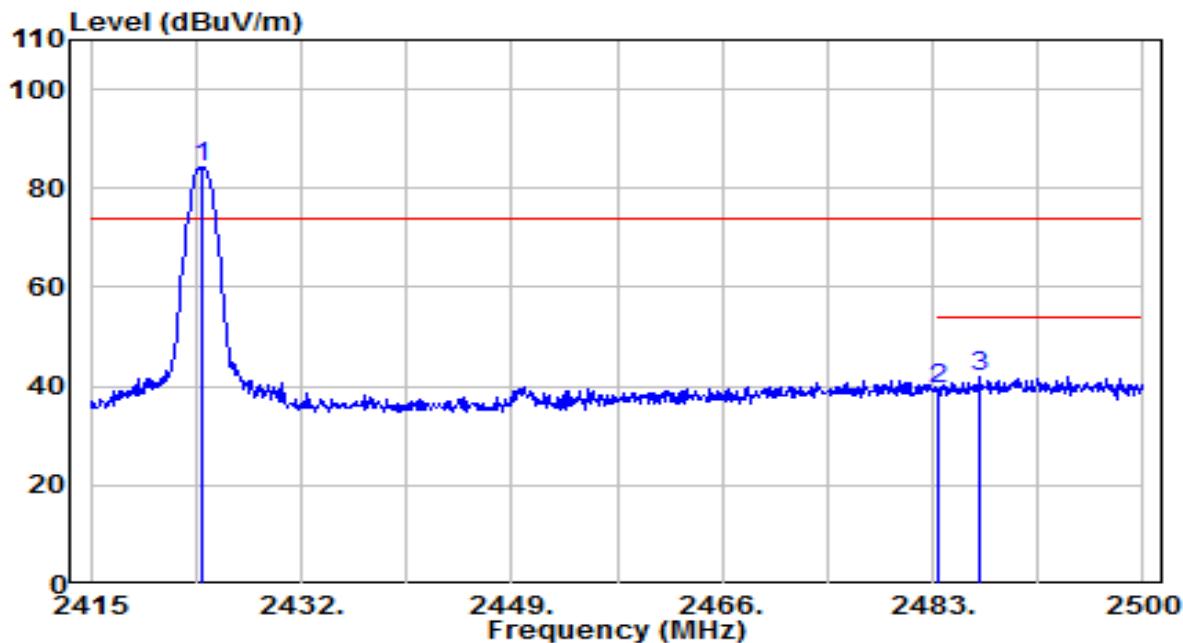


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2317.360 | 41.03 | -2.26 | 38.77 | -35.23 | 74.00 | 100 | 185 | Peak |
| 2 | 2390.000 | 38.70 | -2.03 | 36.67 | -37.33 | 74.00 | 100 | 185 | Peak |
| 3 | 2412.120 | 87.12 | -1.96 | 85.16 | N/A | N/A | 100 | 185 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

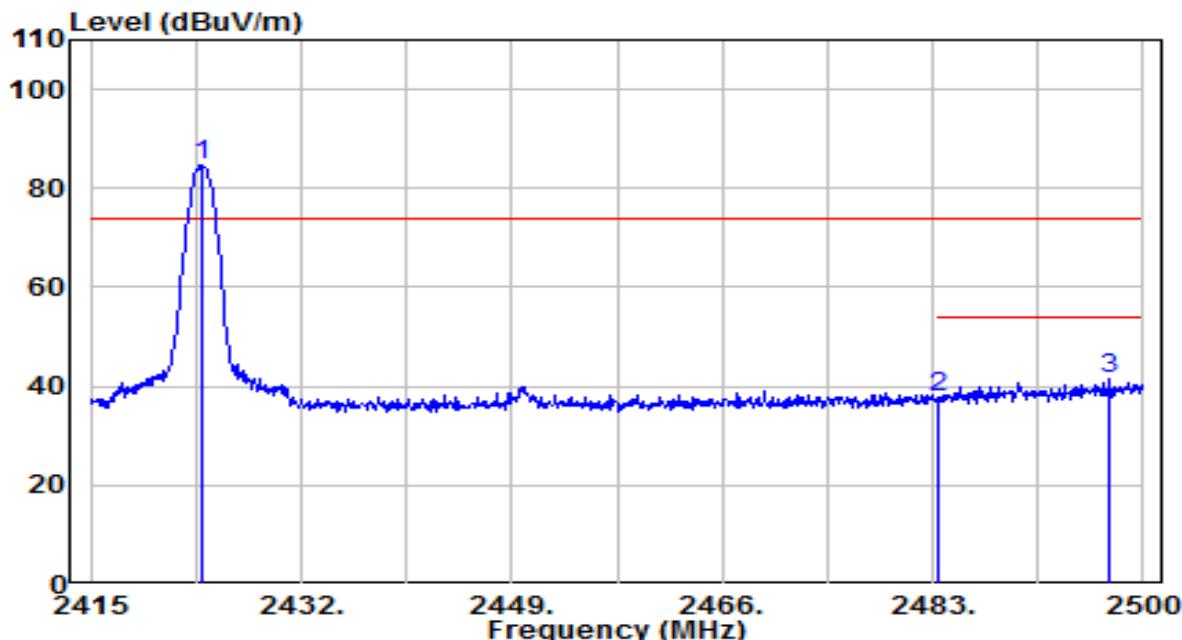


| No | Frequency (MHz) | Reading (dB _{BuV}) | C.F (dB/m) | Measurement (dB _{BuV/m}) | Margin (dB) | Limit (dB _{BuV/m}) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|------------------------------|------------|------------------------------------|-------------|------------------------------|-------------|-------------|-------------------|
| 1 | 2424.010 | 86.24 | -1.92 | 84.32 | N/A | N/A | 140 | 125 | Peak |
| 2 | 2483.500 | 40.97 | -1.73 | 39.24 | -34.76 | 74.00 | 140 | 125 | Peak |
| 3 * | 2486.740 | 43.72 | -1.72 | 42.00 | -32.00 | 74.00 | 140 | 125 | 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 (dB_{BuV/m}) = Reading(dB_{BuV}) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

| | | | |
|-----------|---------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | 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 | 2424.010 | 86.43 | -1.92 | 84.51 | N/A | N/A | 100 | 175 | Peak |
| 2 | 2483.500 | 39.38 | -1.73 | 37.65 | -36.35 | 74.00 | 100 | 175 | Peak |
| 3 * | 2497.280 | 43.27 | -1.69 | 41.58 | -32.42 | 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.

7.4. Field strength of fundamental

7.4.1. Test Limit

(a) Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

| FCC Part 15 Subpart C Paragraph 15.249 | | |
|----------------------------------------|--------------------------------------------------|------------------------------------------------|
| Frequency [MHz] | Field Strength of Fundamental [Millivolts/Meter] | Field Strength of Harmonics [Millivolts/Meter] |
| 902-928 | 50 | 500 |
| 2400-2483.5 | 50 | 500 |
| 5725-5875 | 50 | 500 |
| 24000-24250 | 250 | 2500 |

7.4.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

7.4.3. Test Setting

Peak Field Strength Measurements

8. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
9. RBW = as specified in Table 1
10. VBW = $3 * \text{RBW}$
11. Detector = peak
12. Sweep time = auto couple
13. Trace mode = max hold
14. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

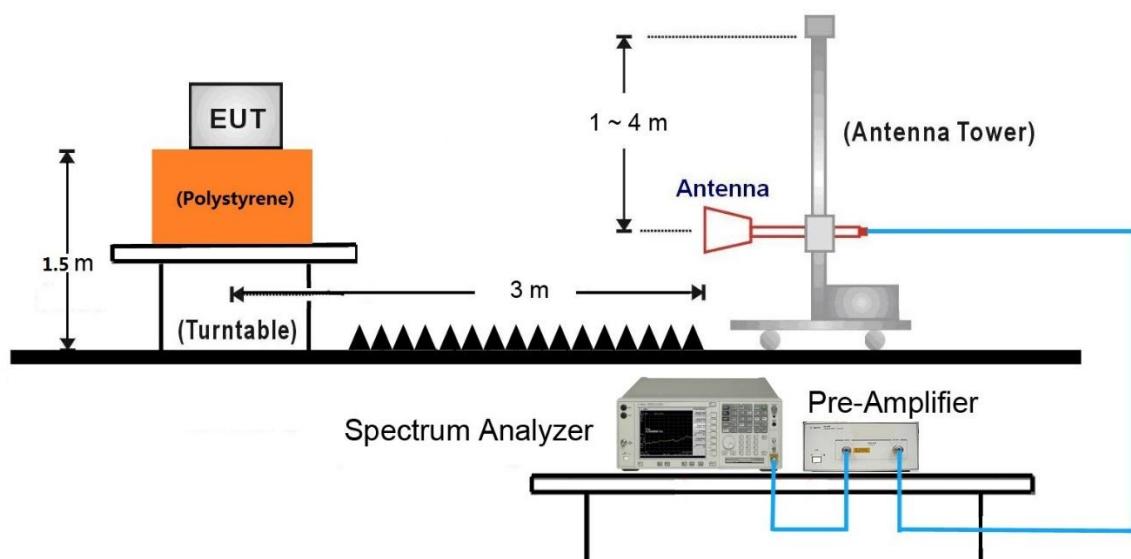
| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

Average Field Strength Measurements

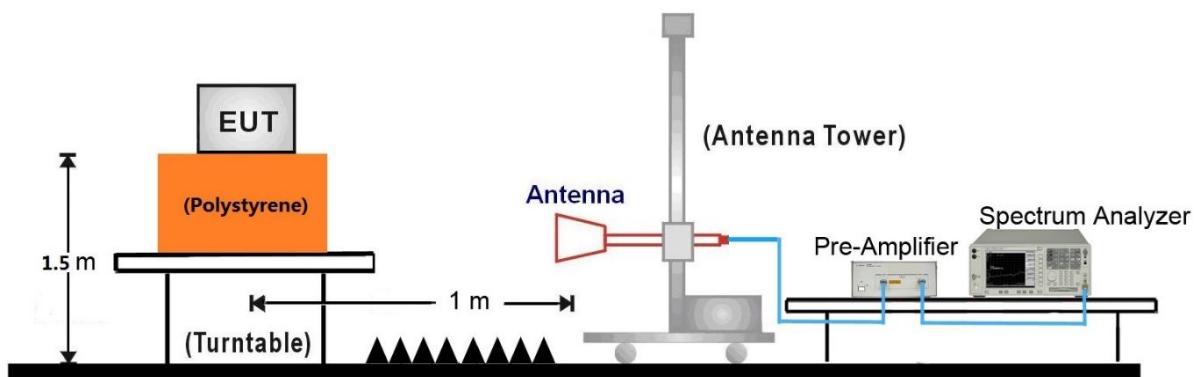
9. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
10. RBW = 1MHz
11. VBW $\geq 1/T$
12. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB 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
13. Detector = Peak
14. Sweep time = auto
15. Trace mode = max hold
16. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.4.4. Test Setup

1GHz ~ 18GHz Test Setup:

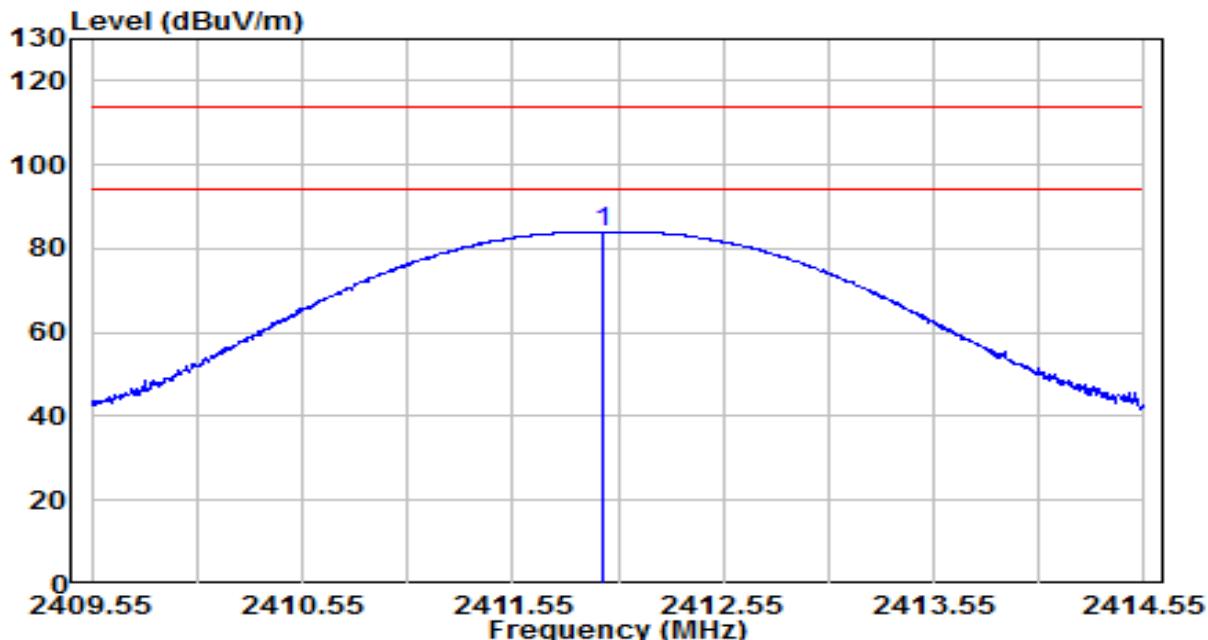


18GHz ~40GHz Test Setup:



7.4.5. Test Result

| | | | |
|-----------|---------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

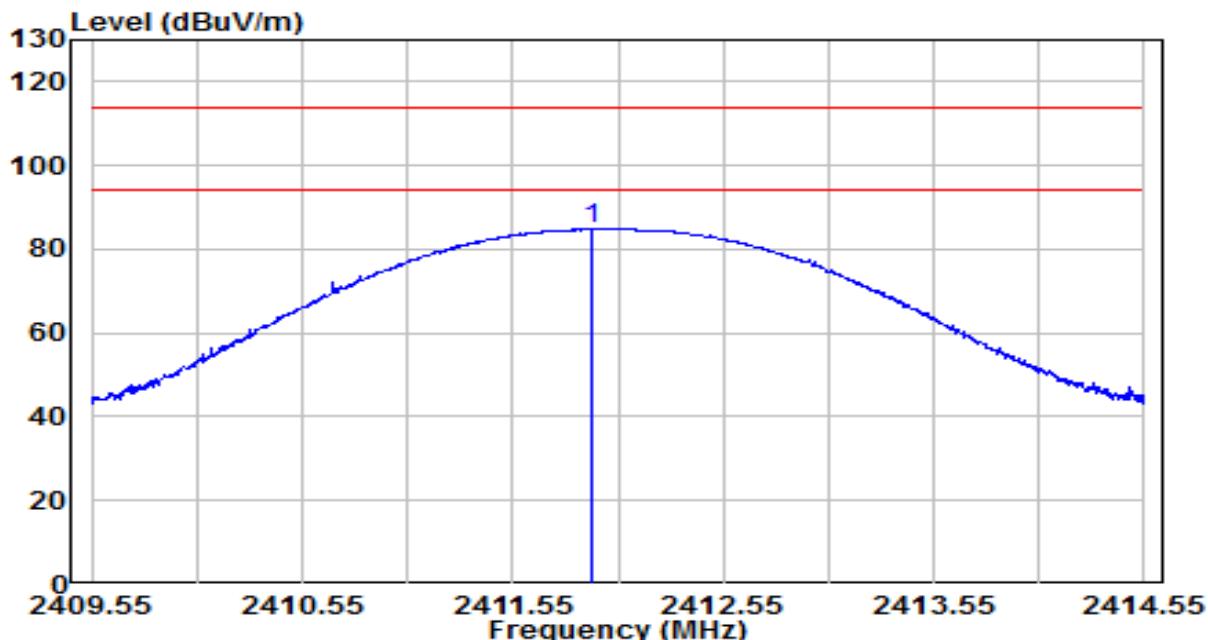


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2411.980 | 85.94 | -1.96 | 83.99 | -30.01 | 114.00 | 130 | 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.

| | | | |
|-----------|---------------------|----------------------|--------------|
| EUT | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2412MHz | Test Voltage | AC 120V/60Hz |

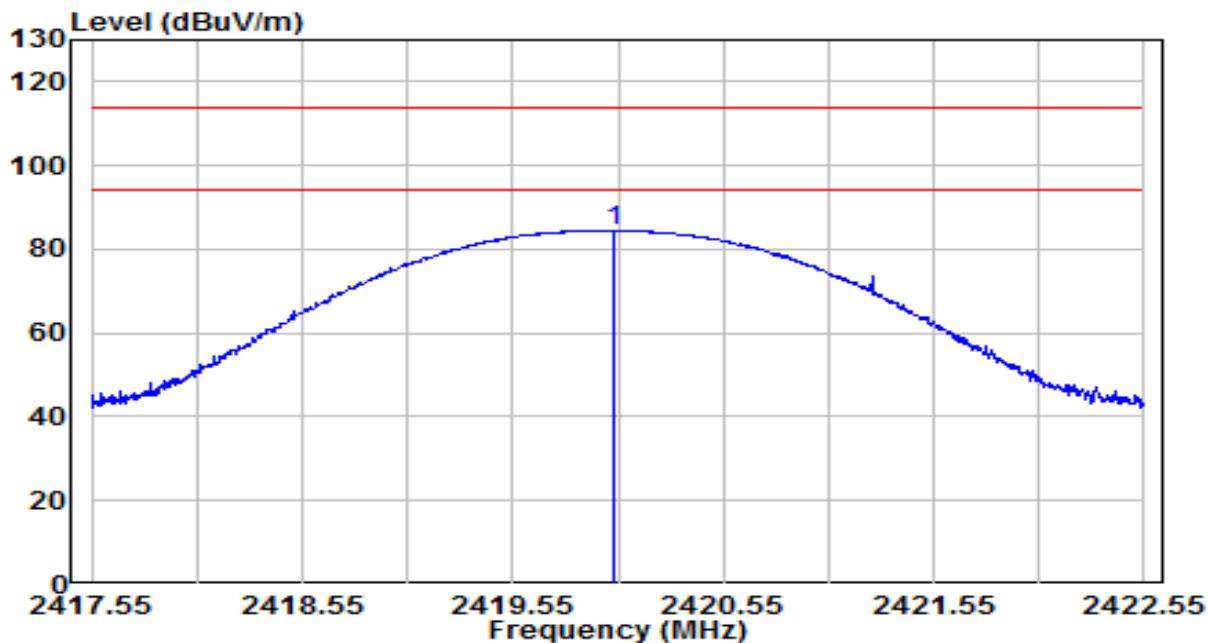


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2411.930 | 86.66 | -1.96 | 84.70 | -29.30 | 114.00 | 100 | 183 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

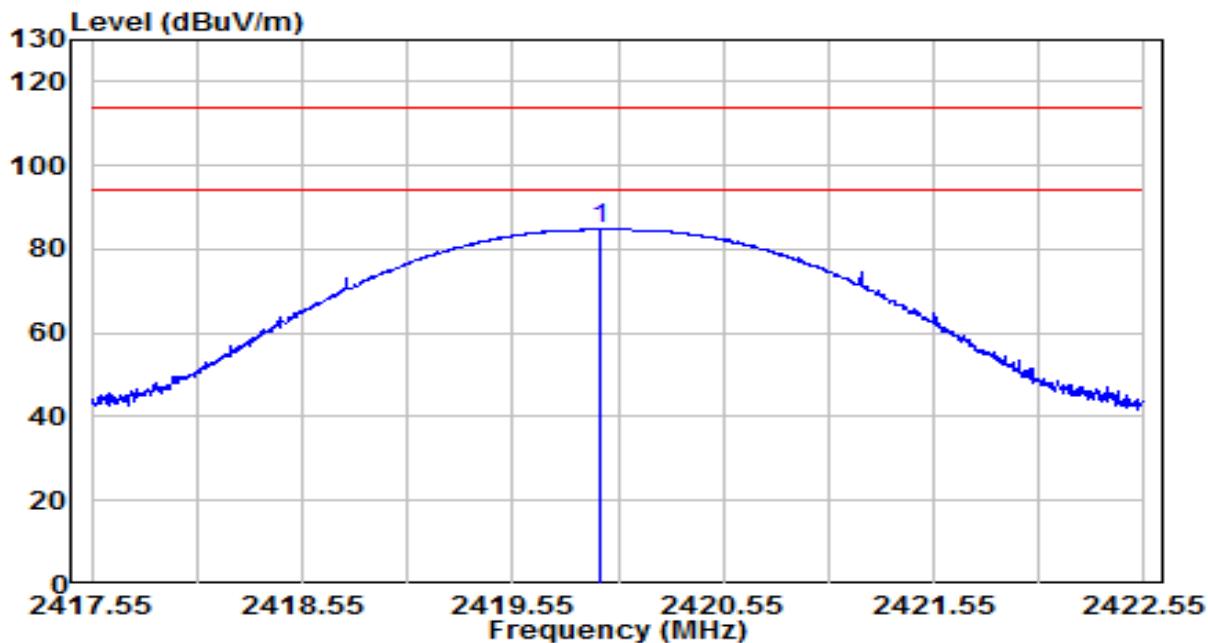


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2420.025 | 86.25 | -1.93 | 84.32 | -29.68 | 114.00 | 100 | 119 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

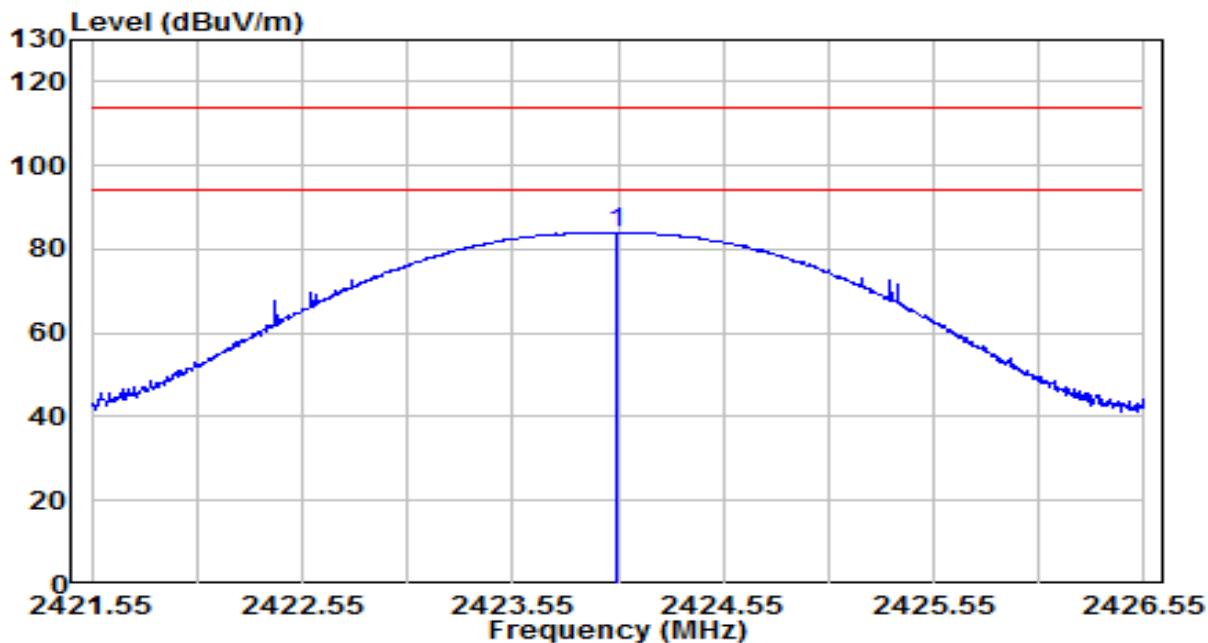


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2419.960 | 86.61 | -1.93 | 84.67 | -29.33 | 114.00 | 103 | 171 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

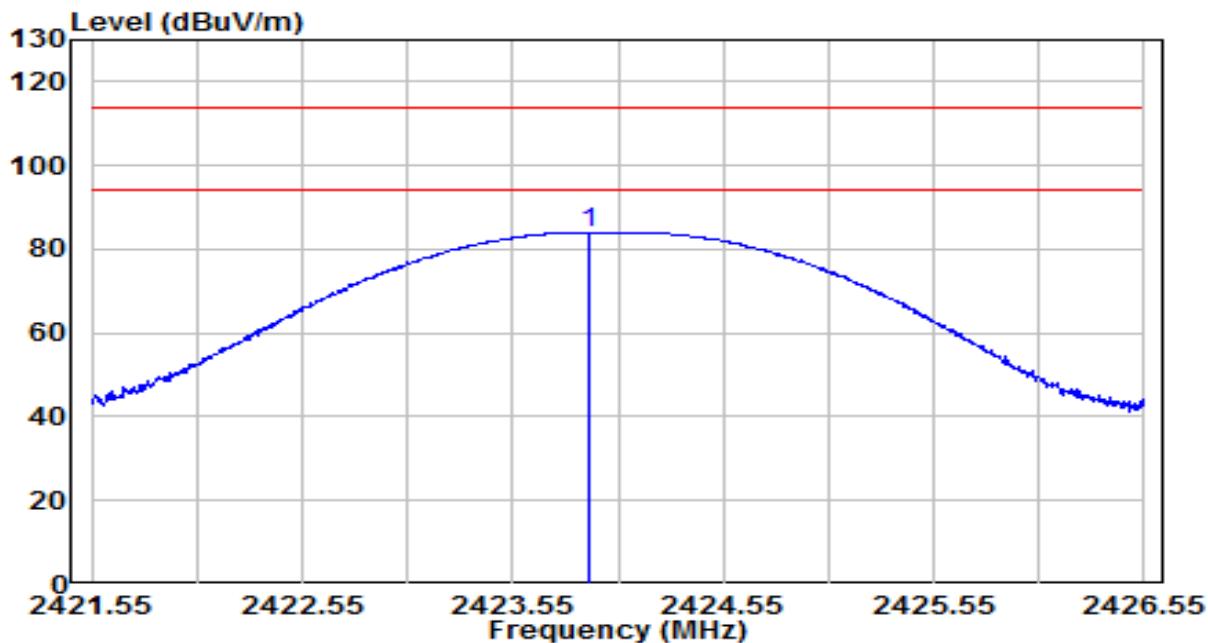


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1 * | 2424.040 | 85.75 | -1.92 | 83.83 | -30.17 | 114.00 | 142 | 126 | 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 | Wireless Receiver | Date of Test | 2025-01-01 |
| Factor | BBHA 9120D | Temp. / Humidity | 23°C /67% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Todd |
| Test Mode | SRD 2.4G_TX_2424MHz | 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 * | 2423.910 | 86.00 | -1.92 | 84.08 | -29.92 | 114.00 | 100 | 173 | 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.

7.5. AC Conducted Emissions Measurement

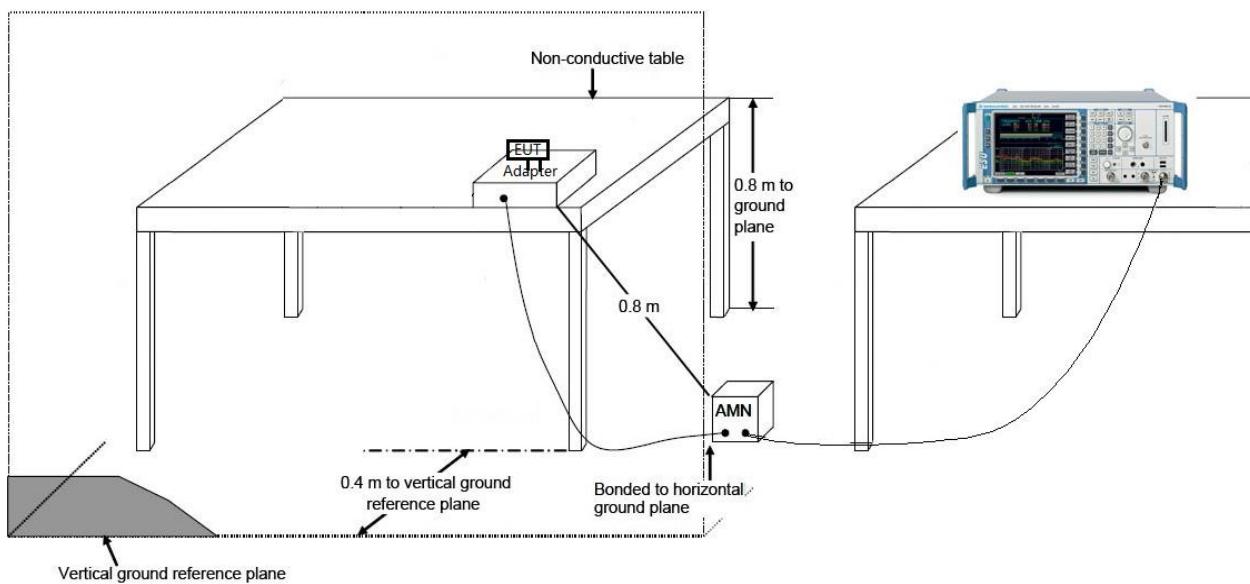
7.5.1. Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 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.

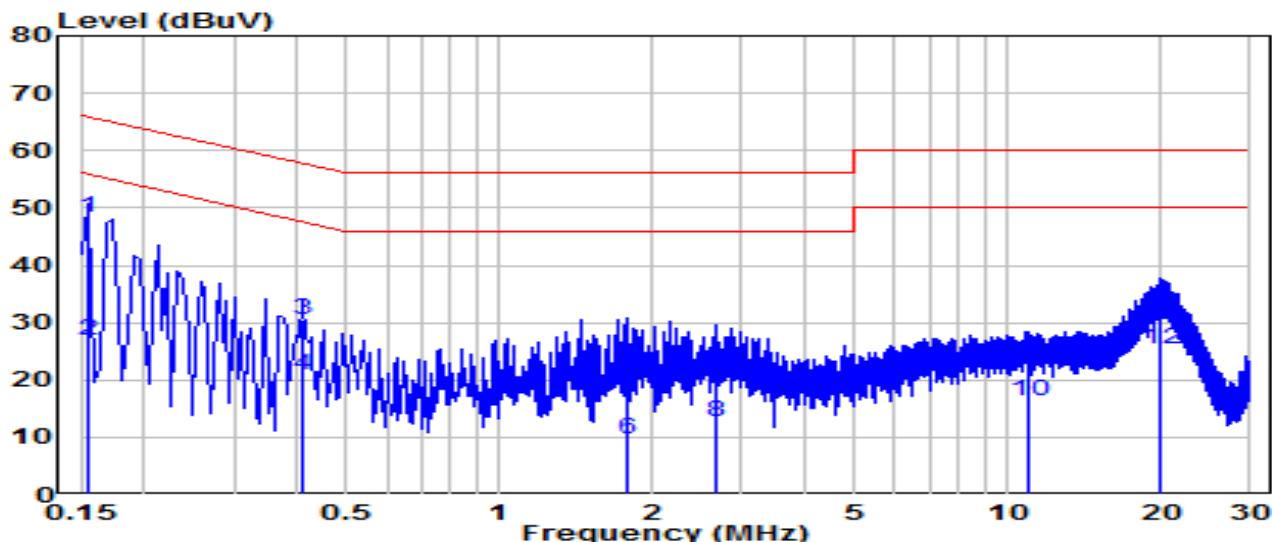
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.5.2. Test Setup



7.5.3. Test Result

| | | | |
|-----------|--------------------------|----------------------|--------------|
| EUT | In-Ear Monitoring System | Date of Test | 2024-10-24 |
| Factor | CE_ENV216-L1 (Filter ON) | Temp. / Humidity | 24.6°C /53% |
| Polarity | Line1 | Site / Test Engineer | SR2 / Will |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |

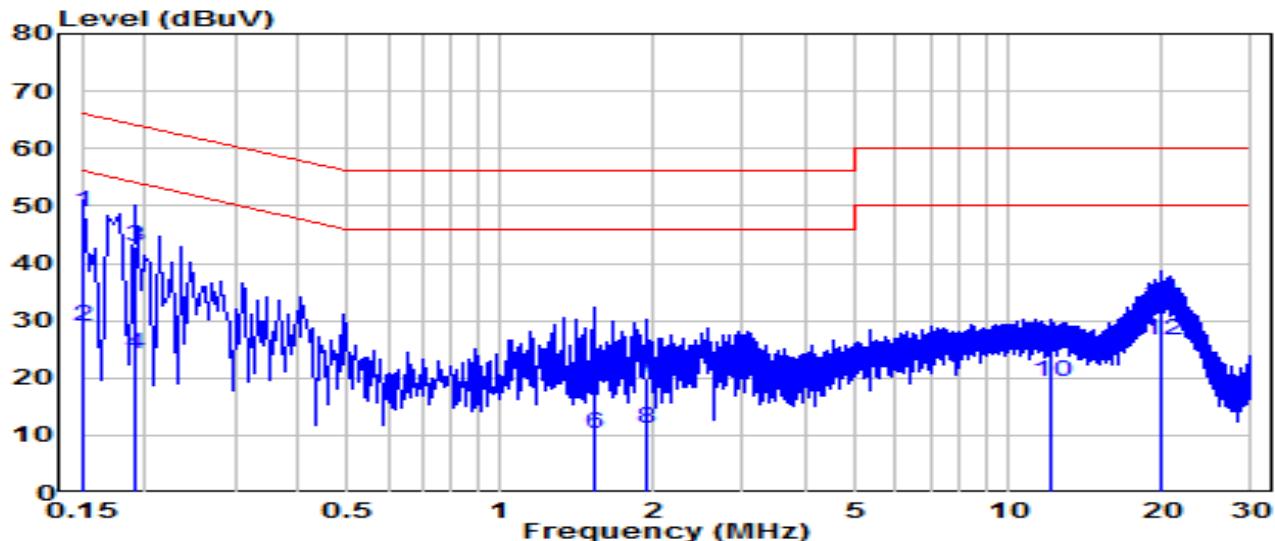


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1 | * 0.154 | 38.76 | 9.63 | 48.40 | -17.36 | 65.75 | QP |
| 2 | * 0.154 | 17.32 | 9.63 | 26.95 | -28.80 | 55.75 | Average |
| 3 | 0.411 | 20.93 | 9.65 | 30.57 | -27.05 | 57.63 | QP |
| 4 | 0.411 | 11.08 | 9.65 | 20.73 | -26.90 | 47.63 | Average |
| 5 | 1.792 | 9.47 | 9.70 | 19.17 | -36.83 | 56.00 | QP |
| 6 | 1.792 | 0.07 | 9.70 | 9.76 | -36.24 | 46.00 | Average |
| 7 | 2.674 | 11.17 | 9.71 | 20.88 | -35.12 | 56.00 | QP |
| 8 | 2.674 | 2.99 | 9.71 | 12.70 | -33.30 | 46.00 | Average |
| 9 | 11.012 | 12.33 | 9.88 | 22.20 | -37.80 | 60.00 | QP |
| 10 | 11.012 | 6.42 | 9.88 | 16.30 | -33.70 | 50.00 | Average |
| 11 | 19.854 | 21.68 | 9.94 | 31.62 | -28.38 | 60.00 | QP |
| 12 | 19.854 | 15.49 | 9.94 | 25.43 | -24.57 | 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 | In-Ear Monitoring System | Date of Test | 2024-10-24 |
| Factor | CE_ENV216-N (Filter ON) | Temp. / Humidity | 24.6°C /53% |
| Polarity | Neutral | Site / Test Engineer | SR2 / Will |
| Test Mode | SRD 2.4G_TX_2424MHz | Test Voltage | AC 120V/60Hz |



| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1 * | 0.150 | 39.18 | 9.63 | 48.81 | -17.19 | 66.00 | QP |
| 2 * | 0.150 | 19.23 | 9.63 | 28.86 | -27.14 | 56.00 | Average |
| 3 | 0.190 | 33.16 | 9.63 | 42.79 | -21.22 | 64.01 | QP |
| 4 | 0.190 | 14.41 | 9.63 | 24.04 | -29.97 | 54.01 | Average |
| 5 | 1.540 | 9.33 | 9.70 | 19.03 | -36.97 | 56.00 | QP |
| 6 | 1.540 | 0.71 | 9.70 | 10.41 | -35.59 | 46.00 | Average |
| 7 | 1.950 | 10.09 | 9.71 | 19.80 | -36.20 | 56.00 | QP |
| 8 | 1.950 | 1.60 | 9.71 | 11.31 | -34.69 | 46.00 | Average |
| 9 | 12.123 | 14.87 | 9.91 | 24.78 | -35.22 | 60.00 | QP |
| 10 | 12.123 | 9.51 | 9.91 | 19.42 | -30.58 | 50.00 | Average |
| 11 | 19.989 | 22.53 | 10.00 | 32.53 | -27.47 | 60.00 | QP |
| 12 | 19.989 | 16.51 | 10.00 | 26.51 | -23.49 | 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 to the item(s) tested and show that the **Wireless Receiver** is in compliance with Part 15C of the FCC Rules.

Appendix A : Test Photograph

Refer to “2407TWU102-UT” file.

Appendix B : External Photograph

Refer to “2407TWU102-UE” file.

Appendix C : Internal Photograph

Refer to “2407TWU102-UI” file.

The End