## 7.7. Out-of-Band Spurious Emissions Emissions Measurement

### 7.7.1. 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 either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 7.7.2. Test Procedure Used

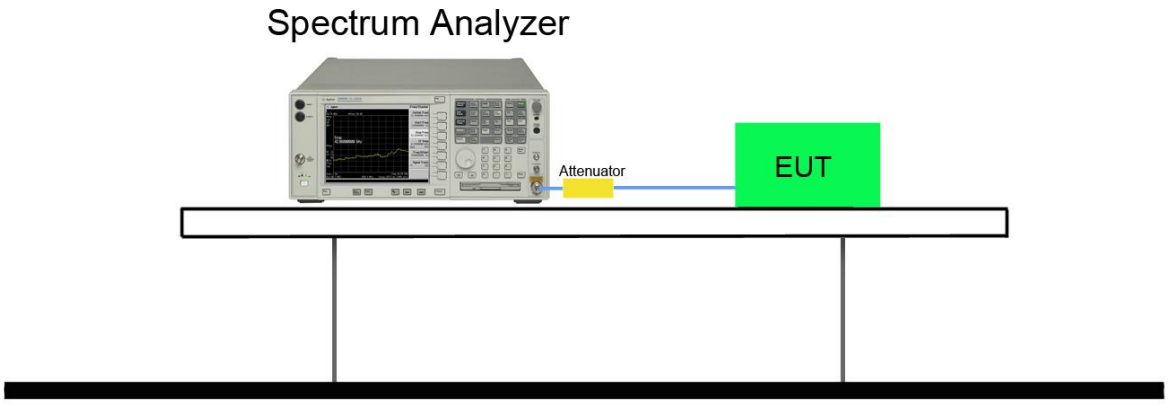
ANSI C63.10-2013 - Section 7.8.8

### 7.7.3. Test Setting

1. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
2. RBW = 100 KHz
3. VBW ≥ RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

   Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

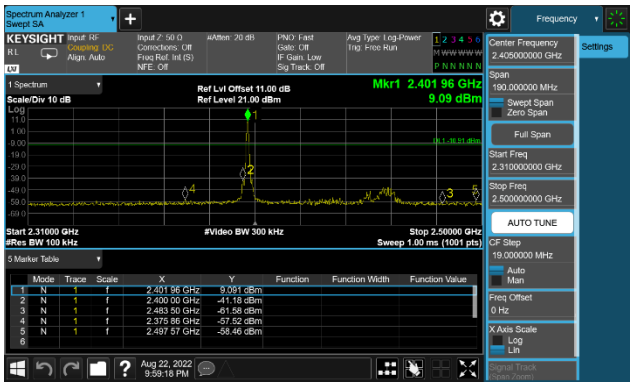
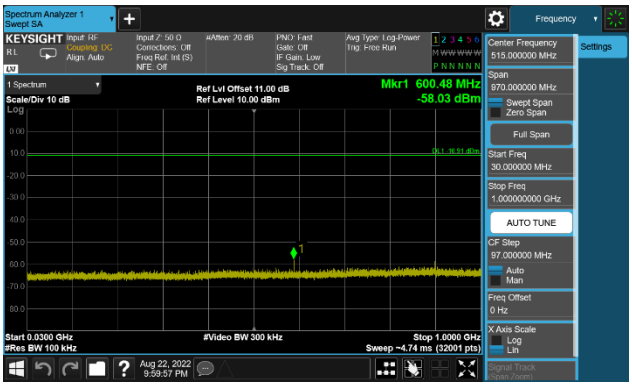
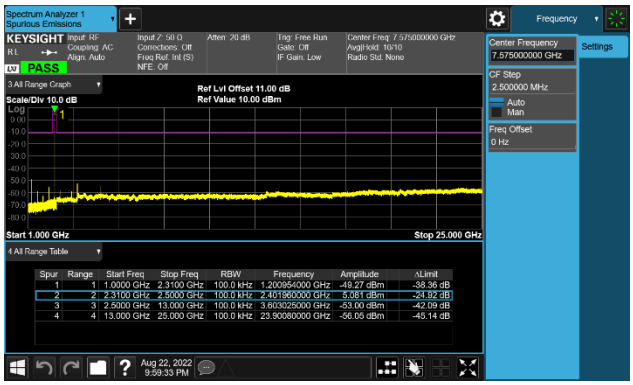
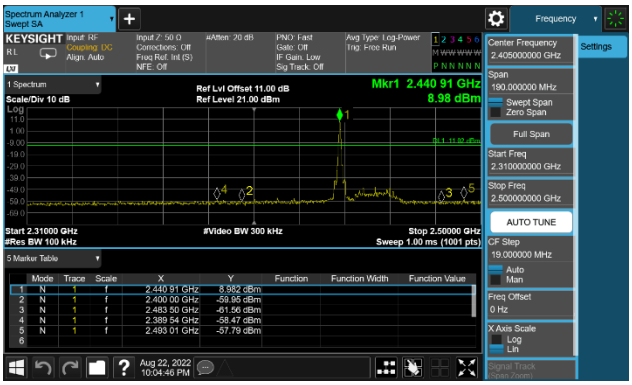
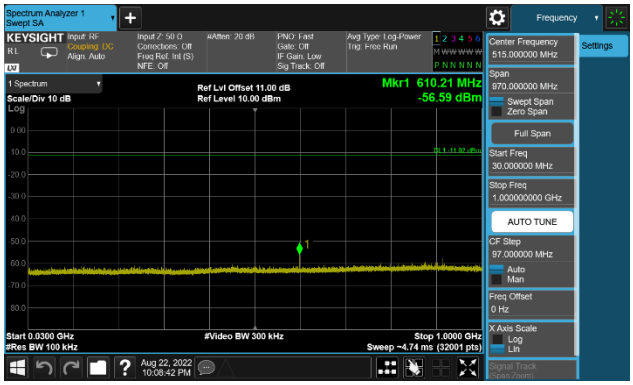
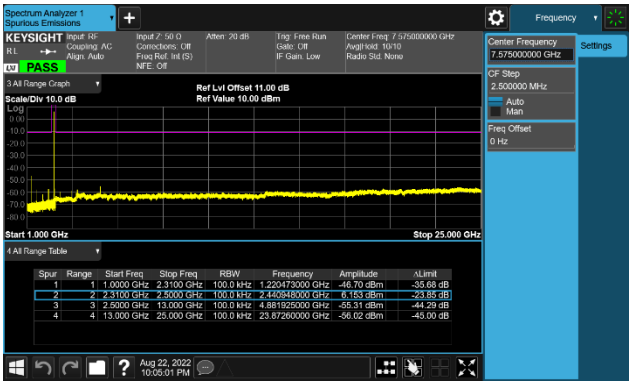
### 7.7.4. Test Setup

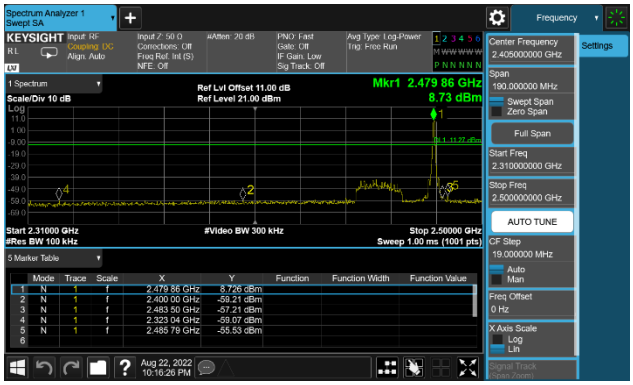
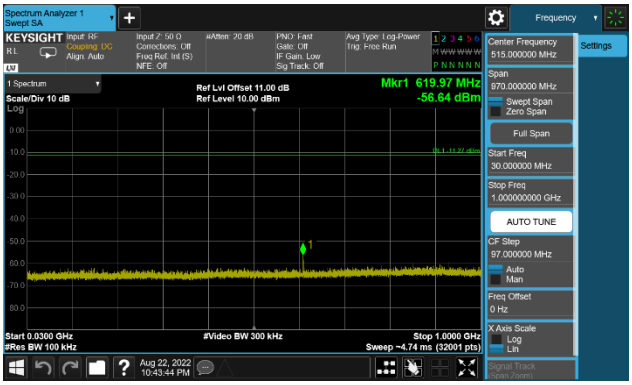
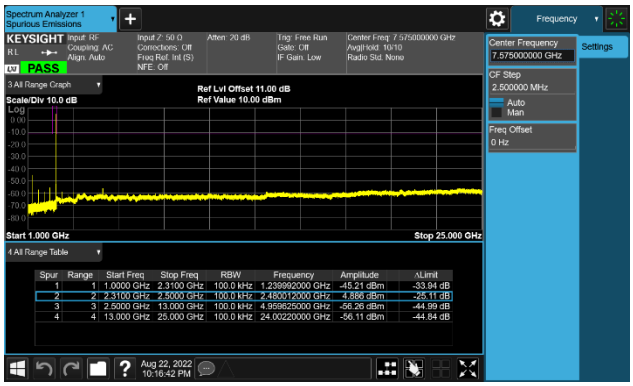
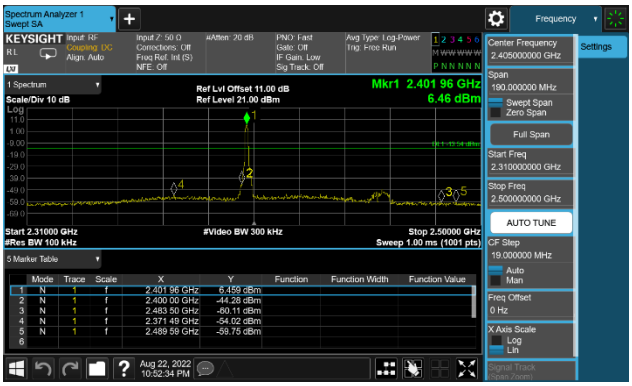
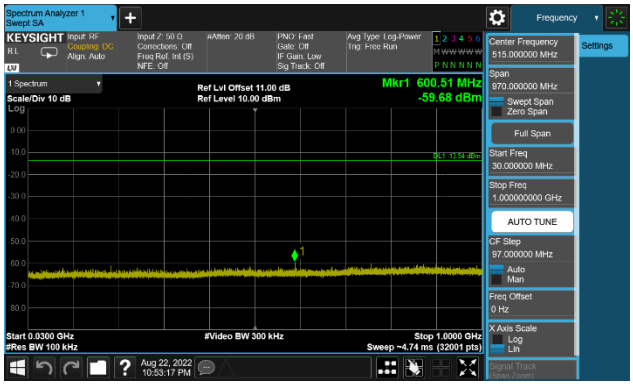
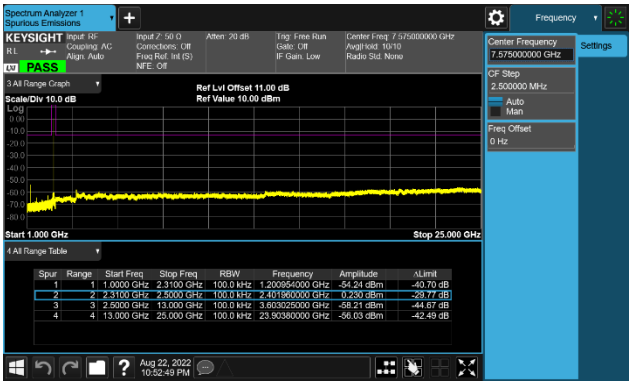


### 7.7.5. Test Result

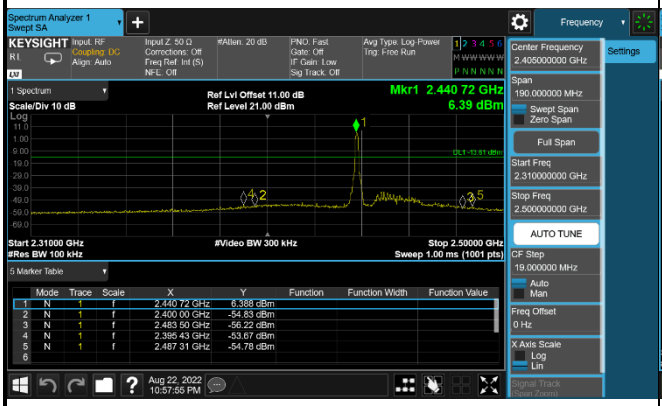
| Test Mode | Channel No. | Frequency (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|
| Left Ear | | | | |
| 1Mbps | 00 | 2402 | 20dBc | Pass |
| 1Mbps | 39 | 2441 | 20dBc | Pass |
| 1Mbps | 78 | 2480 | 20dBc | Pass |
| 3Mbps | 00 | 2402 | 20dBc | Pass |
| 3Mbps | 39 | 2441 | 20dBc | Pass |
| 3Mbps | 78 | 2480 | 20dBc | Pass |

| Test Mode | Channel No. | Frequency (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|
| Right Ear | | | | |
| 1Mbps | 00 | 2402 | 20dBc | Pass |
| 1Mbps | 39 | 2441 | 20dBc | Pass |
| 1Mbps | 78 | 2480 | 20dBc | Pass |
| 3Mbps | 00 | 2402 | 20dBc | Pass |
| 3Mbps | 39 | 2441 | 20dBc | Pass |
| 3Mbps | 78 | 2480 | 20dBc | Pass |

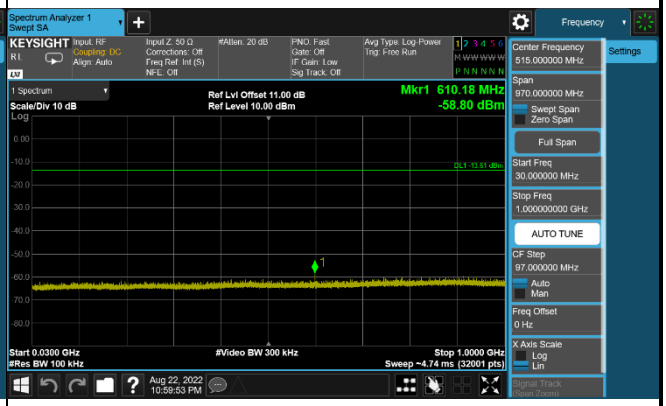
| Left Ear | |
|---|---|
| **CH00 (2402MHz) GFSK(1Mbps)** | **CH00 (2402MHz) GFSK(1Mbps)** |
|  |  |
| **CH00 (2402MHz) GFSK(1Mbps)** | **CH39 (2441MHz) GFSK(1Mbps)** |
|  |  |
| **CH39 (2441MHz) GFSK(1Mbps)** | **CH39 (2441MHz) GFSK(1Mbps)** |
|  |  |

| CH78 (2480MHz) GFSK(1Mbps) | CH78 (2480MHz) GFSK(1Mbps) |
|---|---|
|  |  |
| **CH78 (2480MHz) GFSK(1Mbps)** | **CH00 (2402MHz) GFSK(3Mbps)** |
|  |  |
| **CH00 (2402MHz) GFSK(3Mbps)** | **CH00 (2402MHz) GFSK(2Mbps)** |
|  |  |

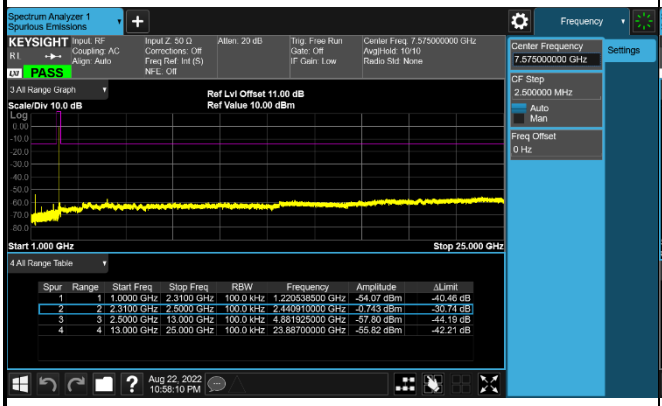
## CH39 (2441MHz) GFSK(3Mbps)



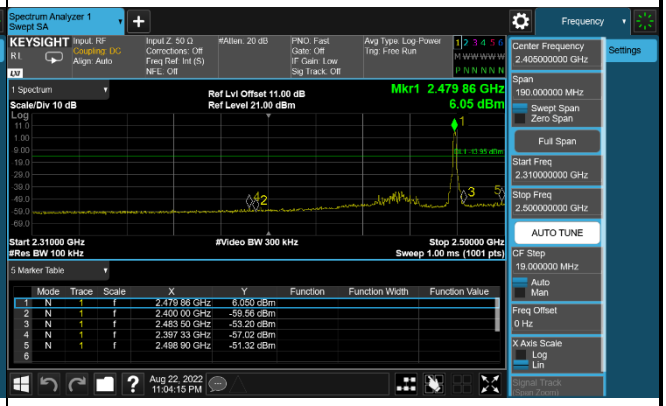

## CH39 (2441MHz) GFSK(3Mbps)



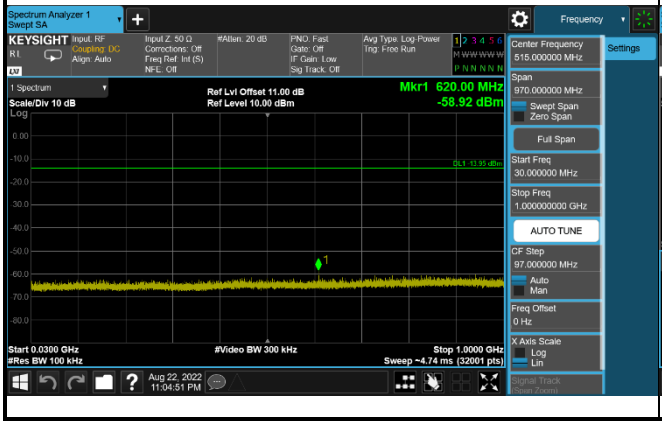

## CH39 (2441MHz) GFSK(3Mbps)



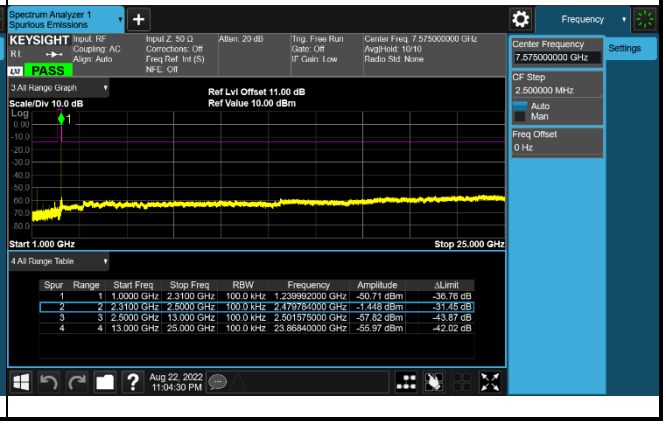

## CH78 (2480MHz) GFSK(3Mbps)

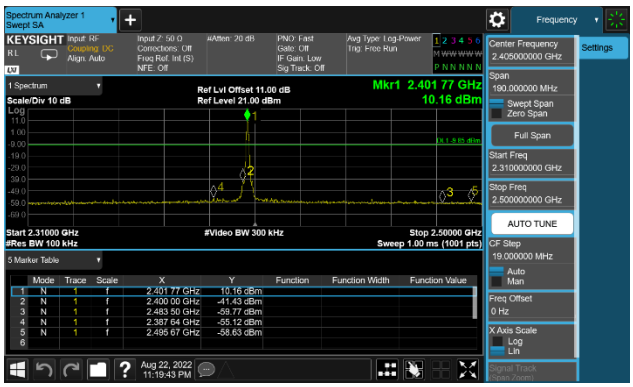
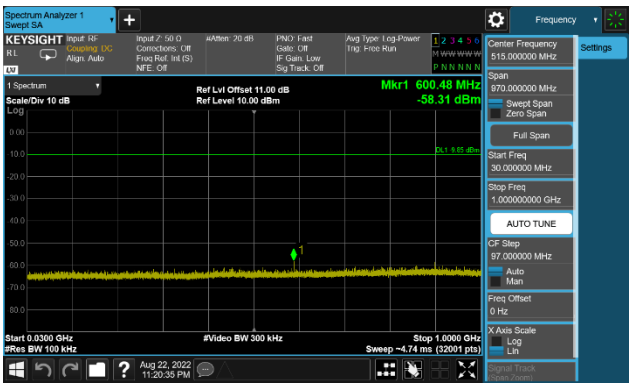
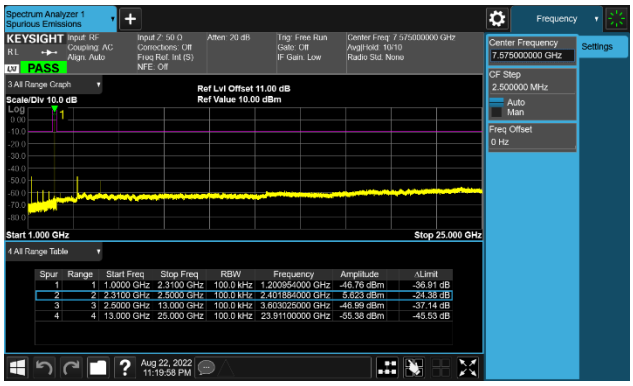
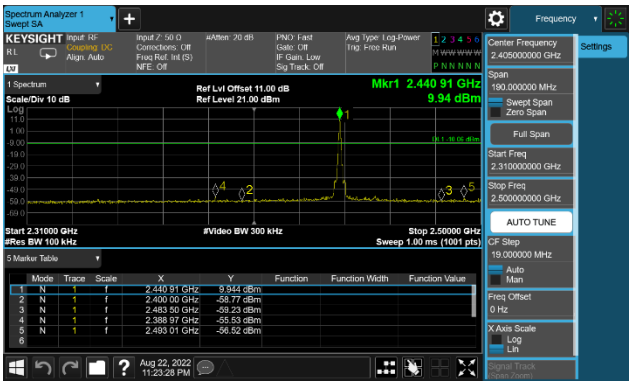
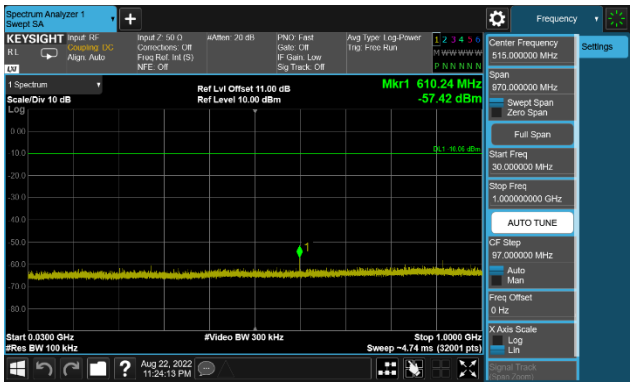
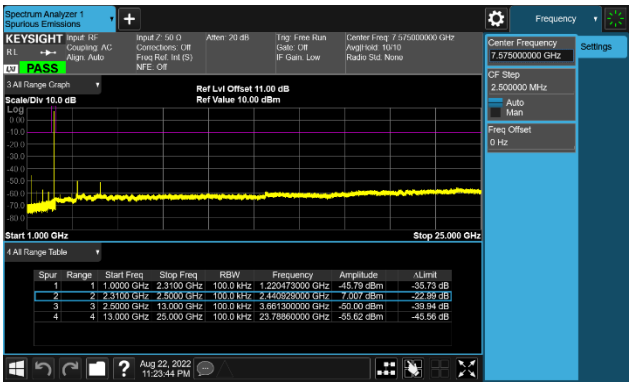



## CH78 (2480MHz) GFSK(3Mbps)

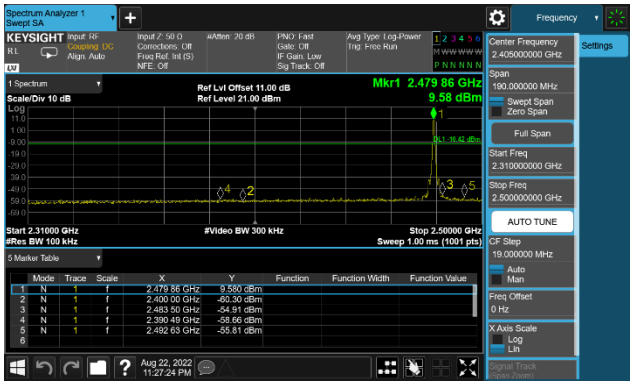



## CH78 (2480MHz) GFSK(3Mbps)

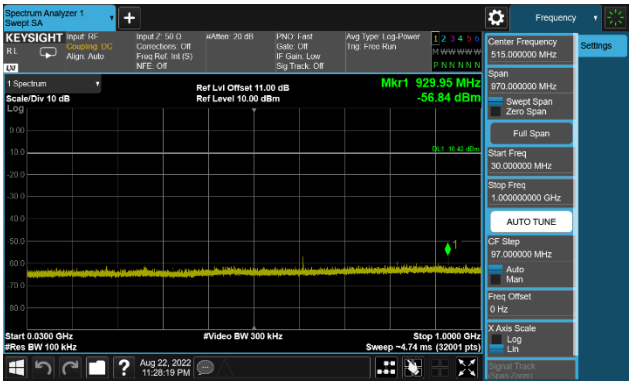


| Right Ear | |
|---|---|
| CH00 (2402MHz) GFSK(1Mbps) | CH00 (2402MHz) GFSK(1Mbps) |
|  |  |
| CH00 (2402MHz) GFSK(1Mbps) | CH39 (2441MHz) GFSK(1Mbps) |
|  |  |
| CH39 (2441MHz) GFSK(1Mbps) | CH39 (2441MHz) GFSK(1Mbps) |
|  |  |

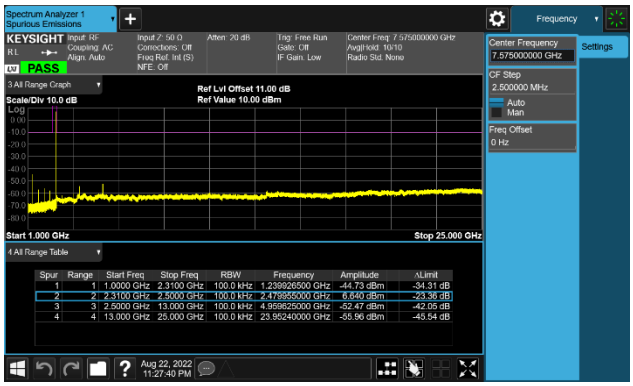
## CH78 (2480MHz) GFSK(1Mbps)



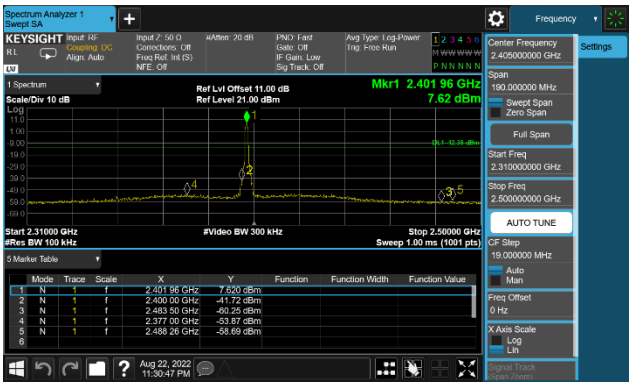

## CH78 (2480MHz) GFSK(1Mbps)



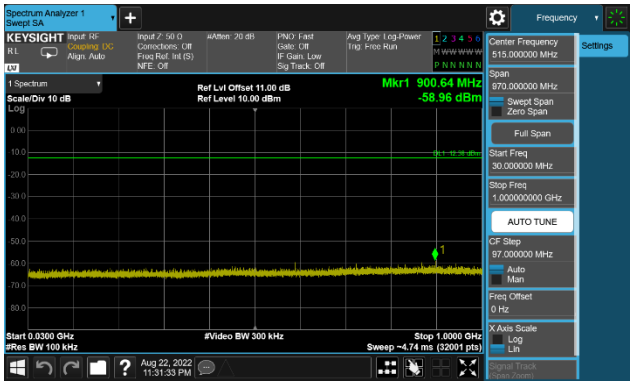

## CH78 (2480MHz) GFSK(1Mbps)



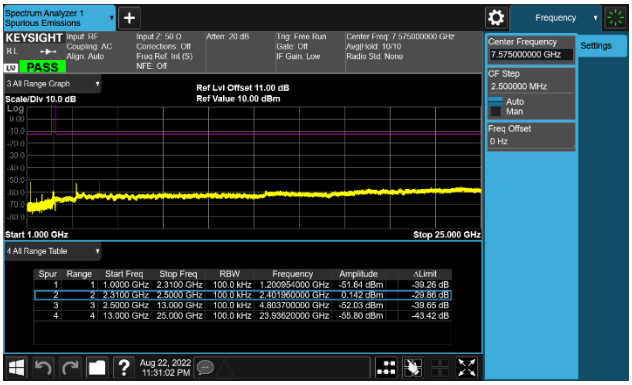

## CH00 (2402MHz) GFSK(3Mbps)

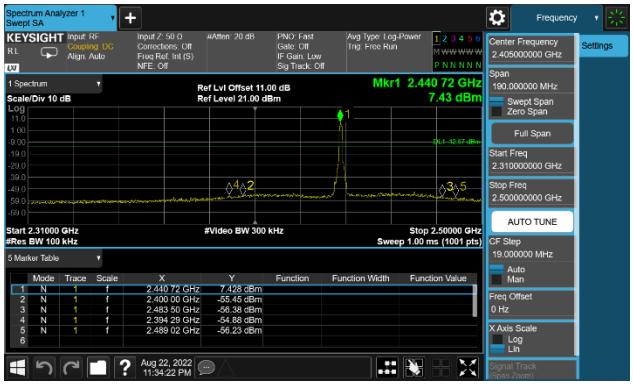
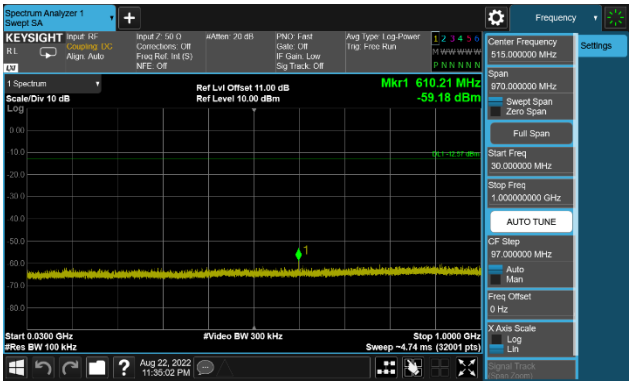
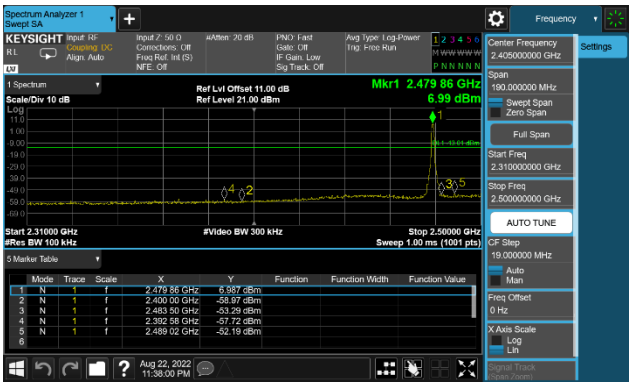
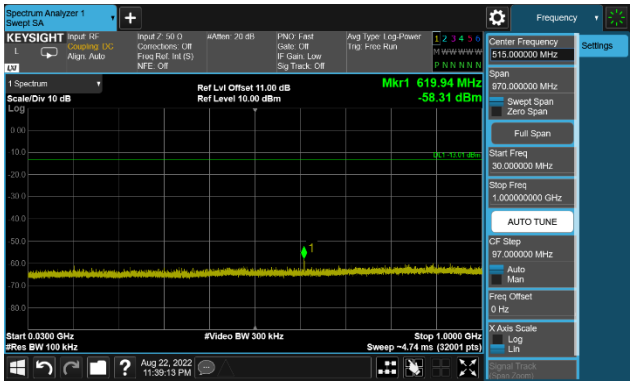
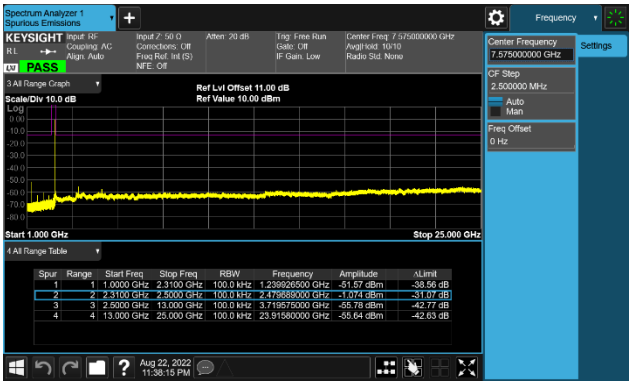


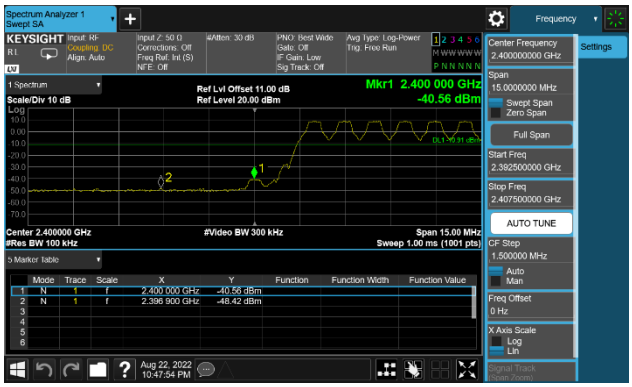

## CH00 (2402MHz) GFSK(3Mbps)

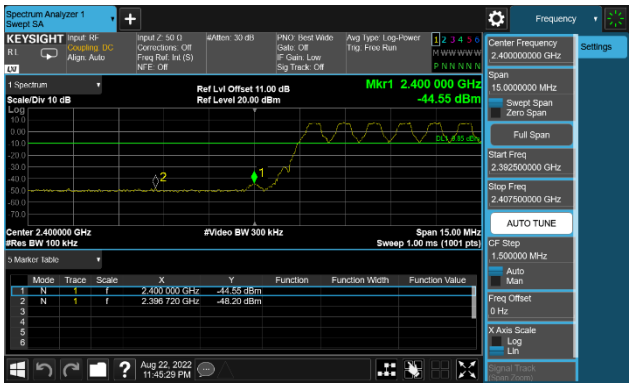
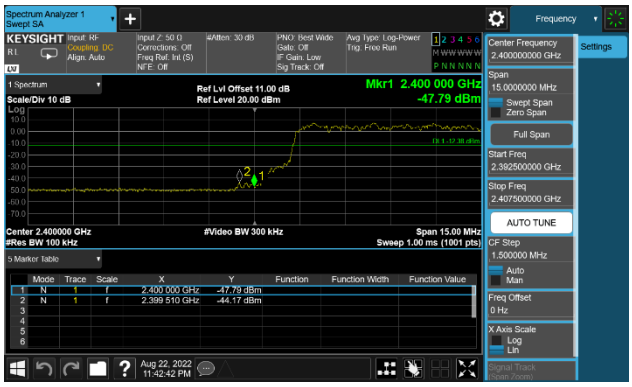



## CH00 (2402MHz) GFSK(3Mbps)



| CH39 (2441MHz) GFSK(3Mbps) | CH39 (2441MHz) GFSK(3Mbps) |
|---|---|
|  |  |
| **CH39 (2441MHz) GFSK(3Mbps)** | **CH78 (2480MHz) GFSK(3Mbps)** |
|  |  |
| **CH78 (2480MHz) GFSK(3Mbps)** | **CH78 (2480MHz) GFSK(3Mbps)** |
|  |  |

| Band Edge With Hopping On_ Left Ear | |
|---|---|
| **CH00 (2402MHz) 1Mbps** | **CH78 (2480MHz) 1Mbps** |
|  |  |
| **CH00 (2402MHz) 3Mbps** | **CH78 (2480MHz) 3Mbps** |
|  |  |

| Band Edge With Hopping On_ Right Ear | |
|---|---|
| **CH00 (2402MHz) 1Mbps** | **CH78 (2480MHz) 1Mbps** |
|  |  |
| **CH00 (2402MHz) 3Mbps** | **CH78 (2480MHz) 3Mbps** |
|  |  |

## 7.8. Radiated Spurious Emission Measurement

### 7.8.1. Test Limit

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

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

### 7.8.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

### 7.8.3. 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**

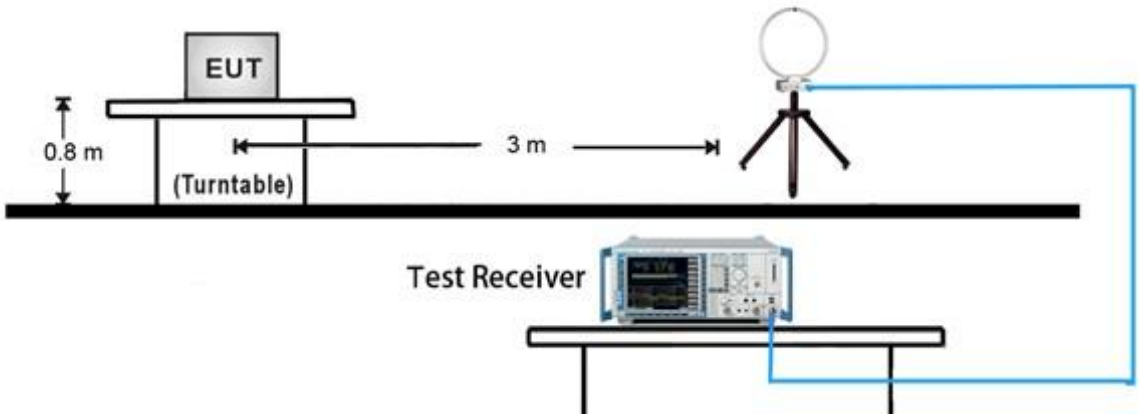
| Frequency | RBW |
|---|---|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

**Average Field Strength Measurements**

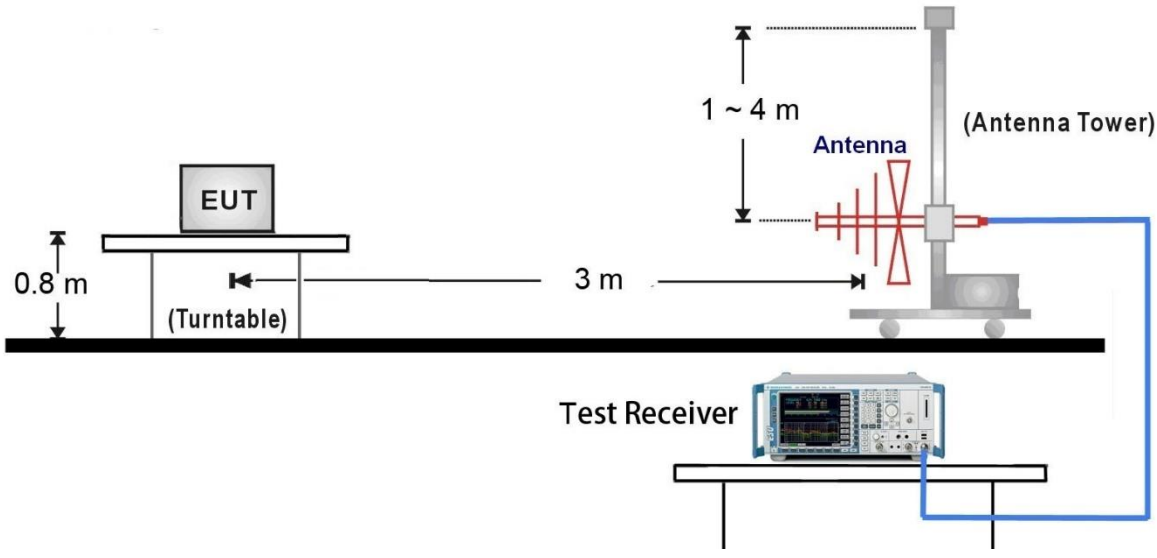
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

### 7.8.4. Test Setup

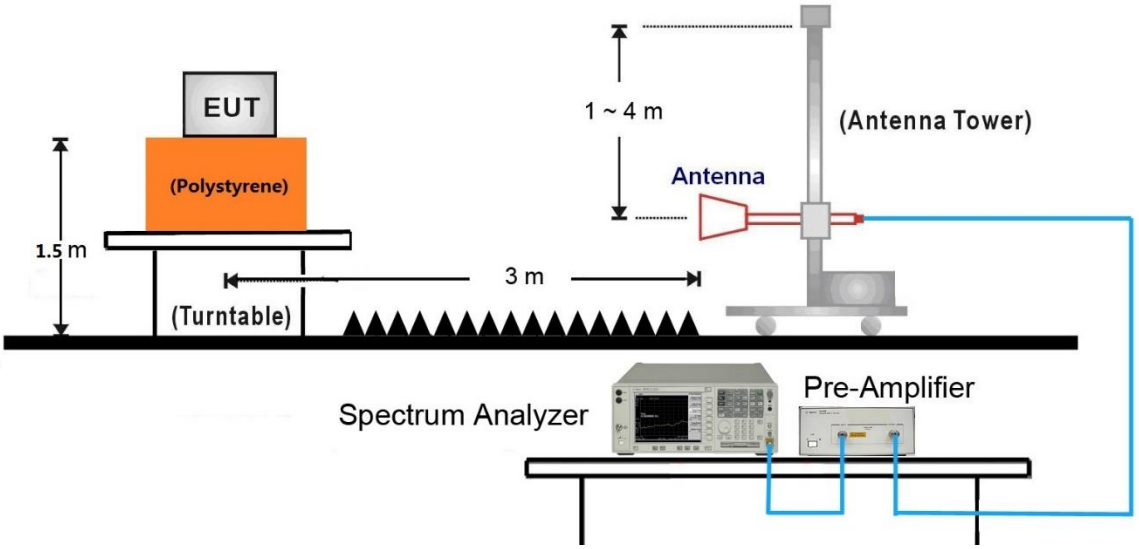
9kHz ~ 30MHz Test Setup:



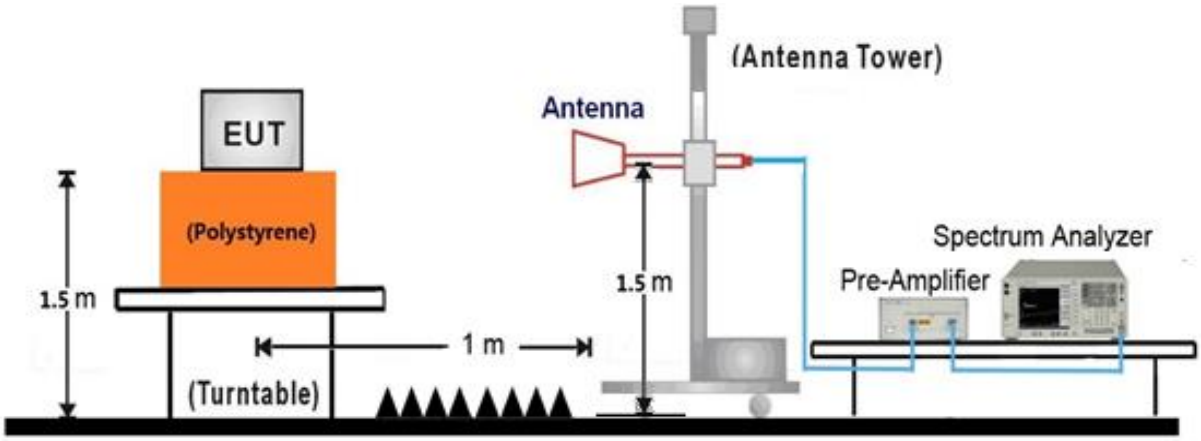

30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

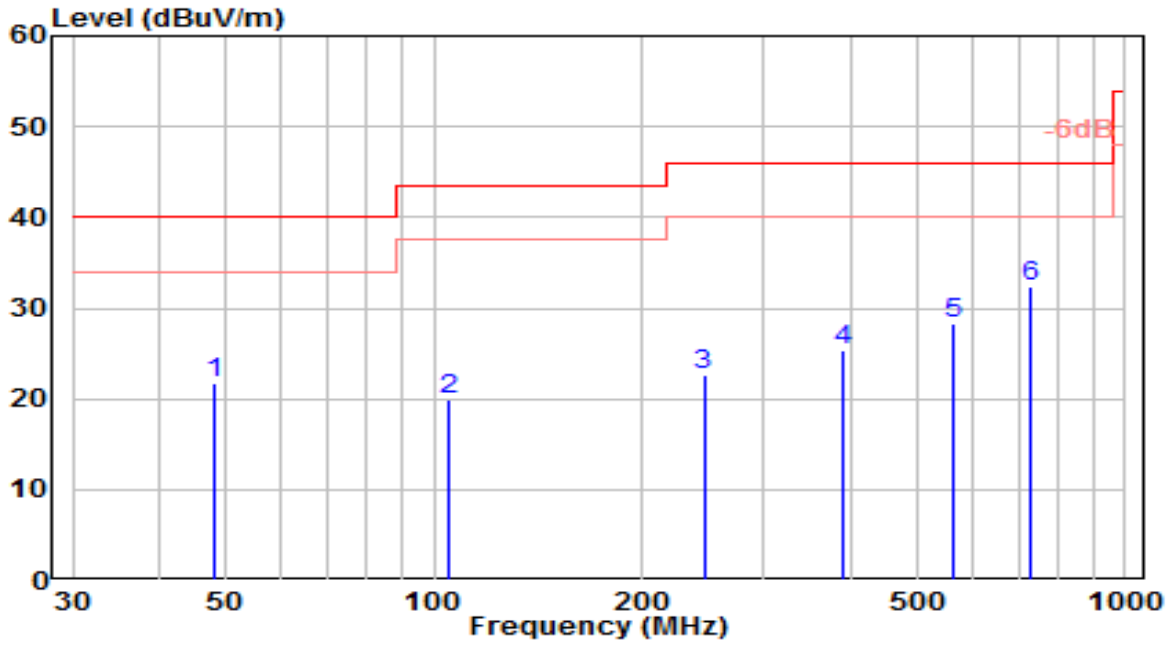



18GHz ~40GHz Test Setup:



### 7.8.5. Test Result

| EUT | Wireless Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | VULB 9162 | Temp. / Humidity | 24°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Jeff |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

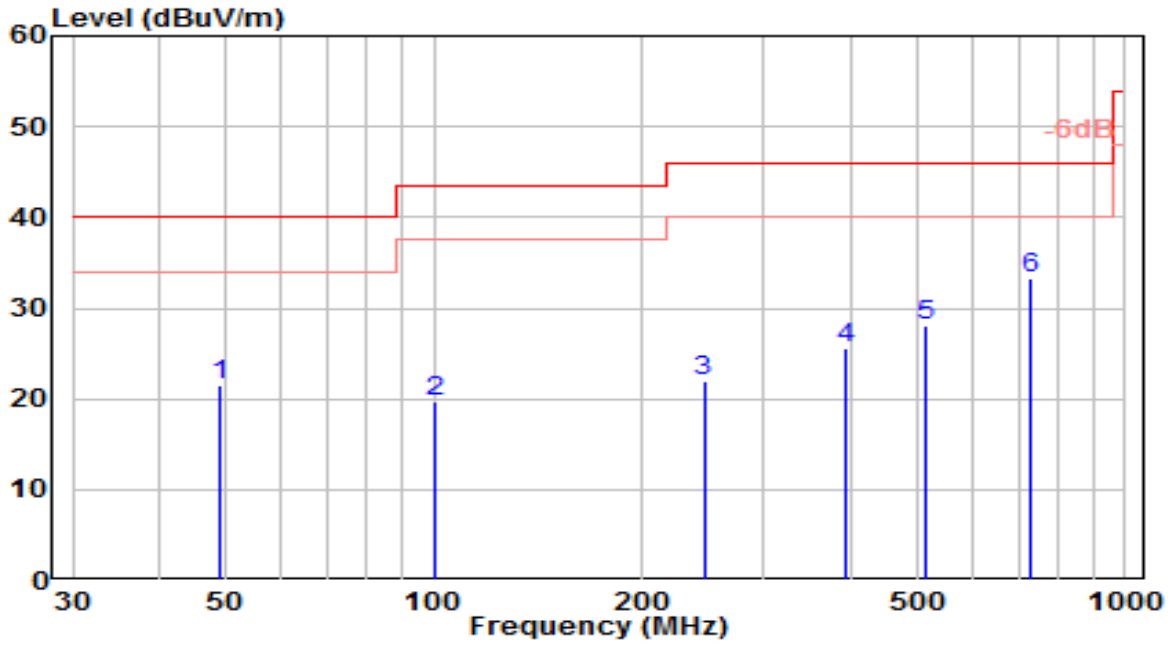



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 48.063 | 0.28 | 21.39 | 21.68 | -18.32 | 40.00 | 100 | 195 | QP |
| 2 | | 105.272 | 0.92 | 19.03 | 19.95 | -23.55 | 43.50 | 100 | 185 | QP |
| 3 | | 245.615 | 1.87 | 20.70 | 22.58 | -23.42 | 46.00 | 100 | 115 | QP |
| 4 | | 391.131 | 1.33 | 24.06 | 25.39 | -20.61 | 46.00 | 100 | 145 | QP |
| 5 | | 563.684 | 1.14 | 27.06 | 28.20 | -17.80 | 46.00 | 100 | 65 | QP |
| 6 | * | 730.606 | 2.69 | 29.74 | 32.43 | -13.57 | 46.00 | 100 | 95 | QP |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | VULB 9162 | Temp. / Humidity | 24°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Jeff |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

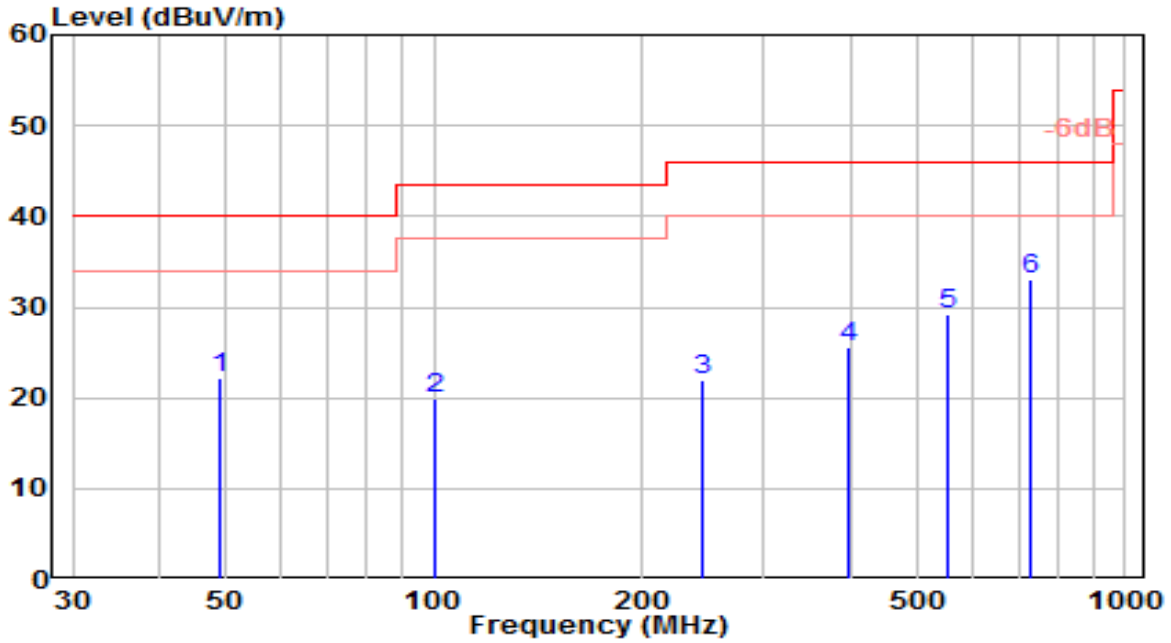



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 49.128 | 0.03 | 21.42 | 21.45 | -18.55 | 40.00 | 100 | 360 | QP |
| 2 | | 100.566 | 0.41 | 19.25 | 19.66 | -23.84 | 43.50 | 100 | 150 | QP |
| 3 | | 245.623 | 1.28 | 20.70 | 21.99 | -24.01 | 46.00 | 100 | 170 | QP |
| 4 | | 395.677 | 1.35 | 24.16 | 25.51 | -20.49 | 46.00 | 100 | 100 | QP |
| 5 | | 512.919 | 1.81 | 26.20 | 28.00 | -18.00 | 46.00 | 100 | 310 | QP |
| 6 | * | 731.017 | 3.49 | 29.75 | 33.24 | -12.76 | 46.00 | 100 | 215 | QP |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | VULB 9162 | Temp. / Humidity | 24°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Jeff |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

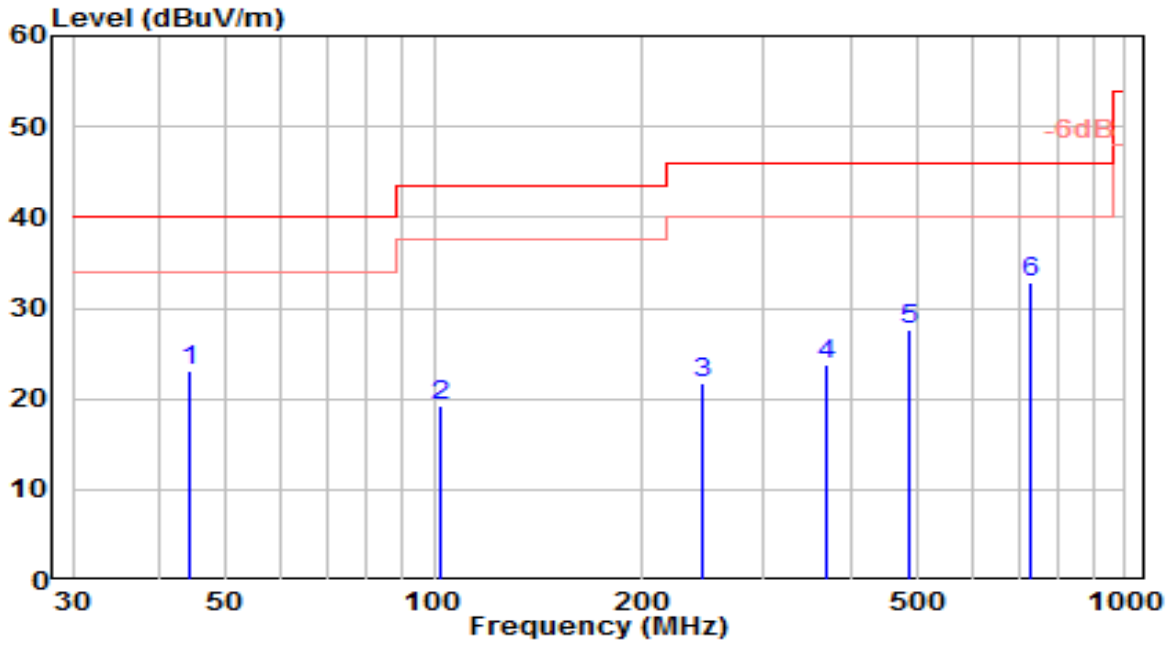



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 49.024 | 0.77 | 21.42 | 22.19 | -17.81 | 40.00 | 100 | 20 | QP |
| 2 | | 100.572 | 0.70 | 19.25 | 19.95 | -23.55 | 43.50 | 100 | 35 | QP |
| 3 | | 244.072 | 1.42 | 20.62 | 22.05 | -23.95 | 46.00 | 100 | 250 | QP |
| 4 | | 398.507 | 1.47 | 24.23 | 25.69 | -20.31 | 46.00 | 100 | 220 | QP |
| 5 | | 556.070 | 2.37 | 26.87 | 29.24 | -16.76 | 46.00 | 100 | 235 | QP |
| 6 | * | 731.269 | 3.21 | 29.75 | 32.96 | -13.04 | 46.00 | 100 | 335 | QP |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | VULB 9162 | Temp. / Humidity | 24°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Jeff |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

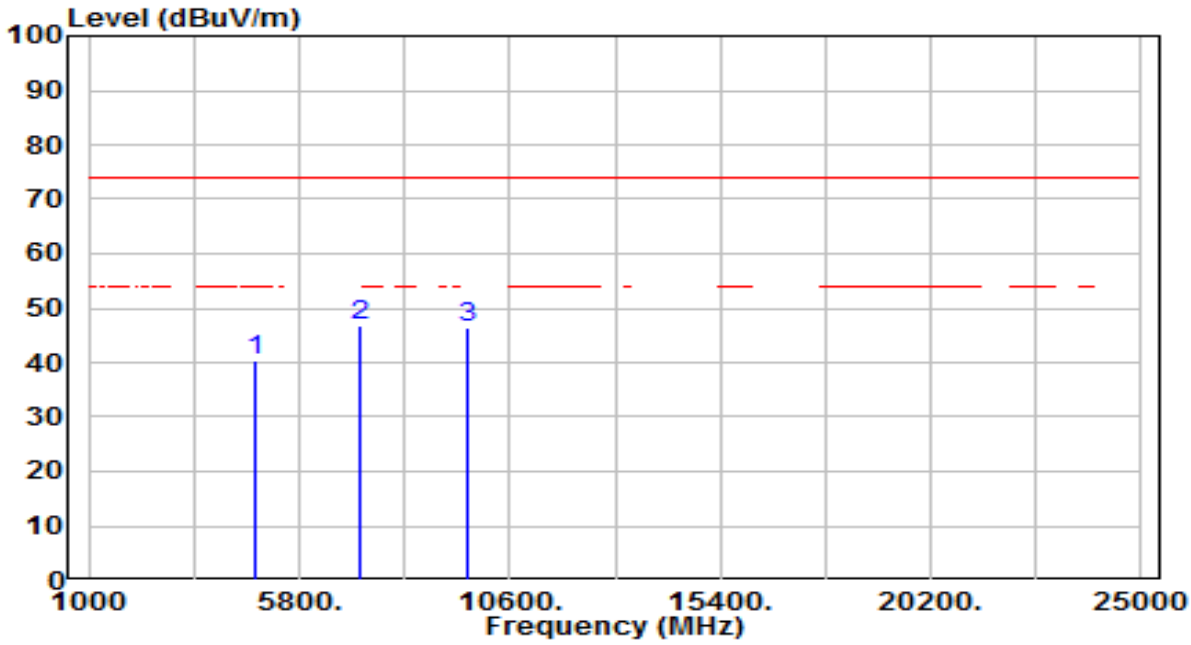



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 44.197 | 1.97 | 21.14 | 23.11 | -16.89 | 40.00 | 100 | 130 | QP |
| 2 | | 101.998 | 0.01 | 19.19 | 19.19 | -24.31 | 43.50 | 100 | 110 | QP |
| 3 | | 244.429 | 1.04 | 20.64 | 21.68 | -24.32 | 46.00 | 100 | 105 | QP |
| 4 | | 370.134 | 0.30 | 23.59 | 23.89 | -22.11 | 46.00 | 100 | 355 | QP |
| 5 | | 485.251 | 2.06 | 25.63 | 27.69 | -18.31 | 46.00 | 100 | 140 | QP |
| 6 | * | 731.352 | 3.04 | 29.75 | 32.80 | -13.20 | 46.00 | 100 | 305 | QP |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

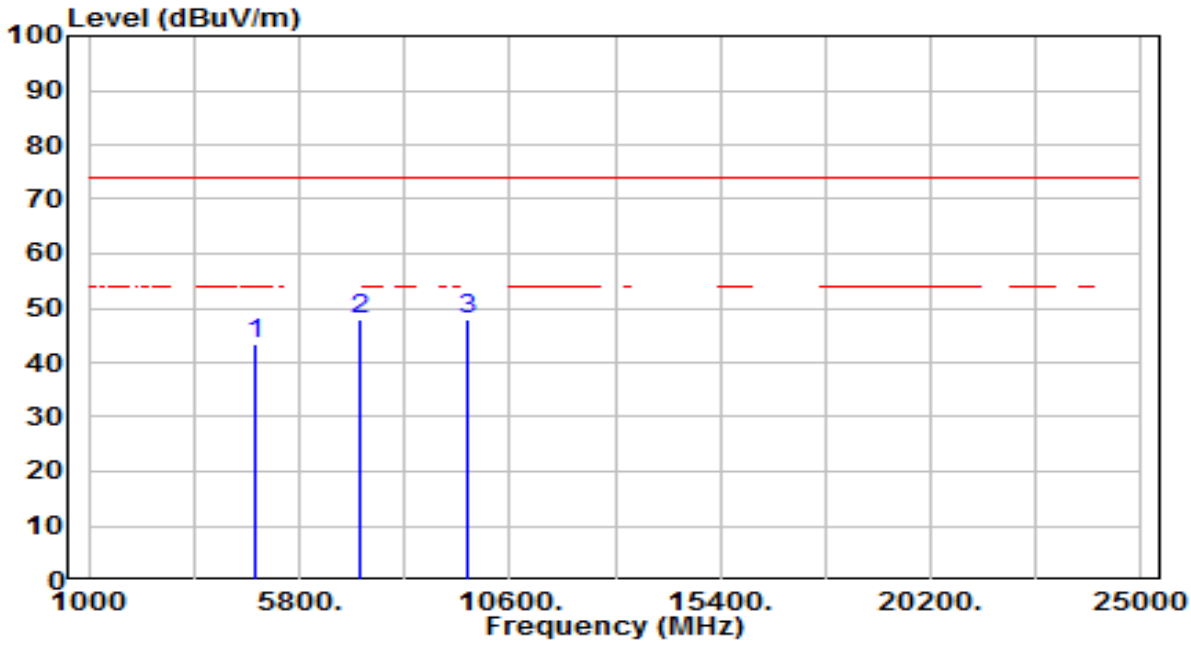



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 36.89 | 3.61 | 40.50 | -33.50 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7206.000 | 34.99 | 11.68 | 46.67 | -27.33 | 74.00 | 150 | 360 | Peak |
| 3 | | 9608.000 | 30.78 | 15.69 | 46.47 | -27.53 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

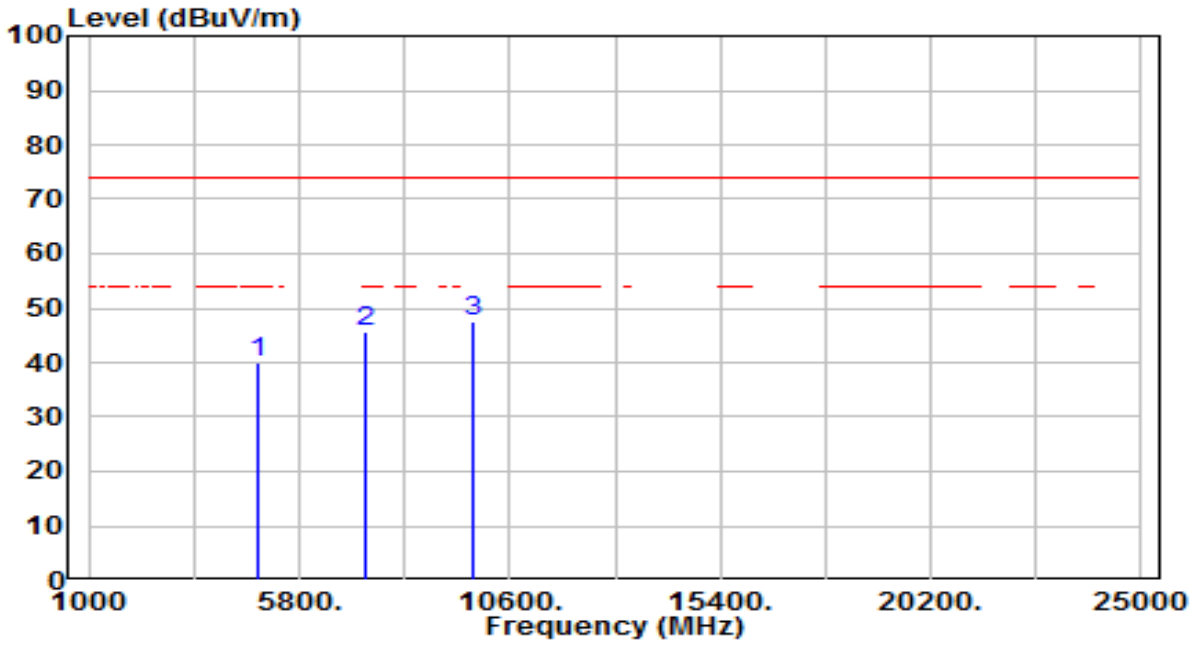



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 39.73 | 3.61 | 43.34 | -30.66 | 74.00 | 150 | 360 | Peak |
| 2 | | 7206.000 | 36.07 | 11.68 | 47.75 | -26.25 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9608.000 | 32.13 | 15.69 | 47.82 | -26.18 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

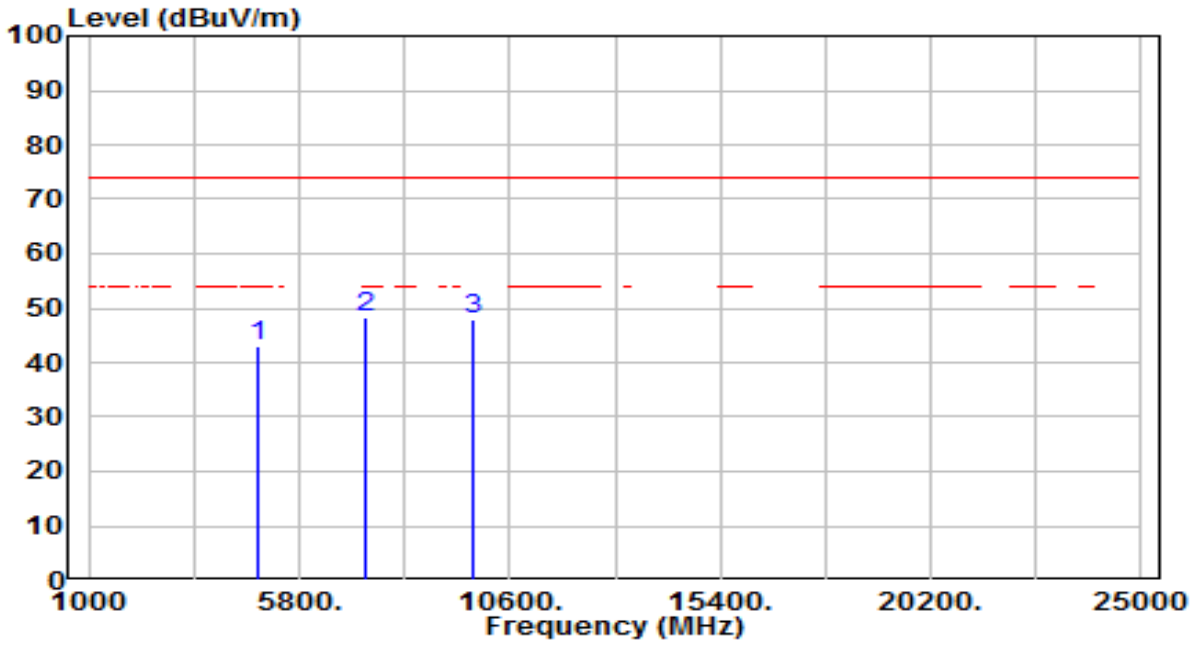



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 36.32 | 3.75 | 40.07 | -33.93 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 33.37 | 12.16 | 45.54 | -28.46 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 31.46 | 15.98 | 47.45 | -26.55 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

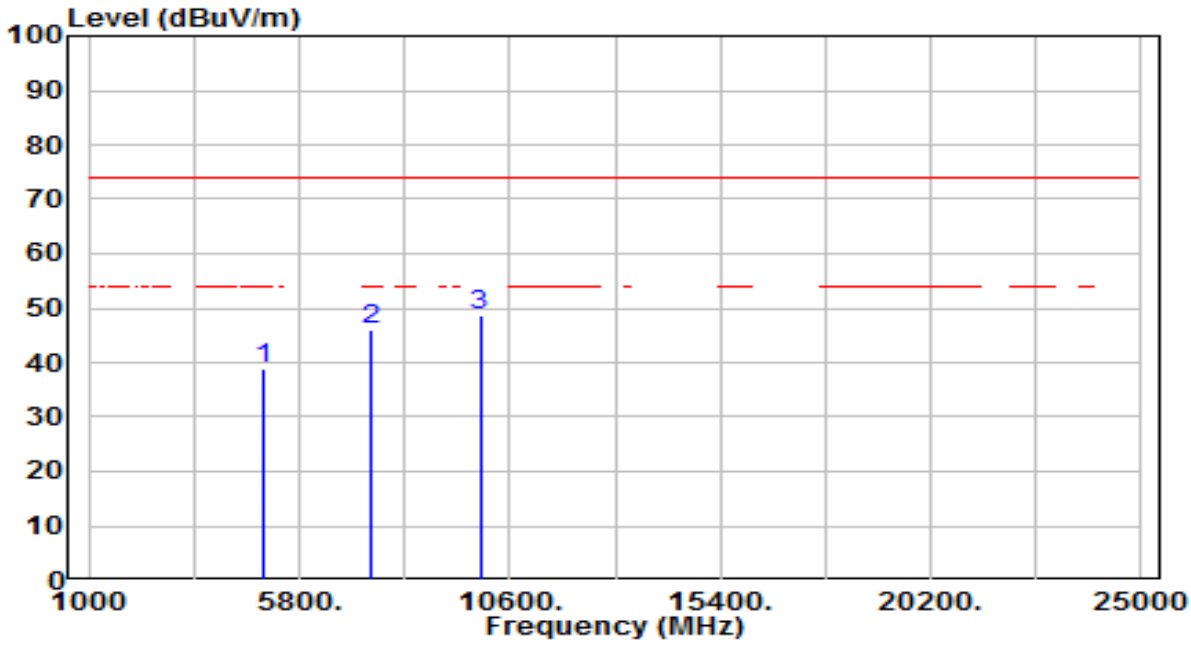



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 39.37 | 3.75 | 43.12 | -30.88 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7323.000 | 36.04 | 12.16 | 48.21 | -25.79 | 74.00 | 150 | 360 | Peak |
| 3 | | 9764.000 | 31.82 | 15.98 | 47.80 | -26.20 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

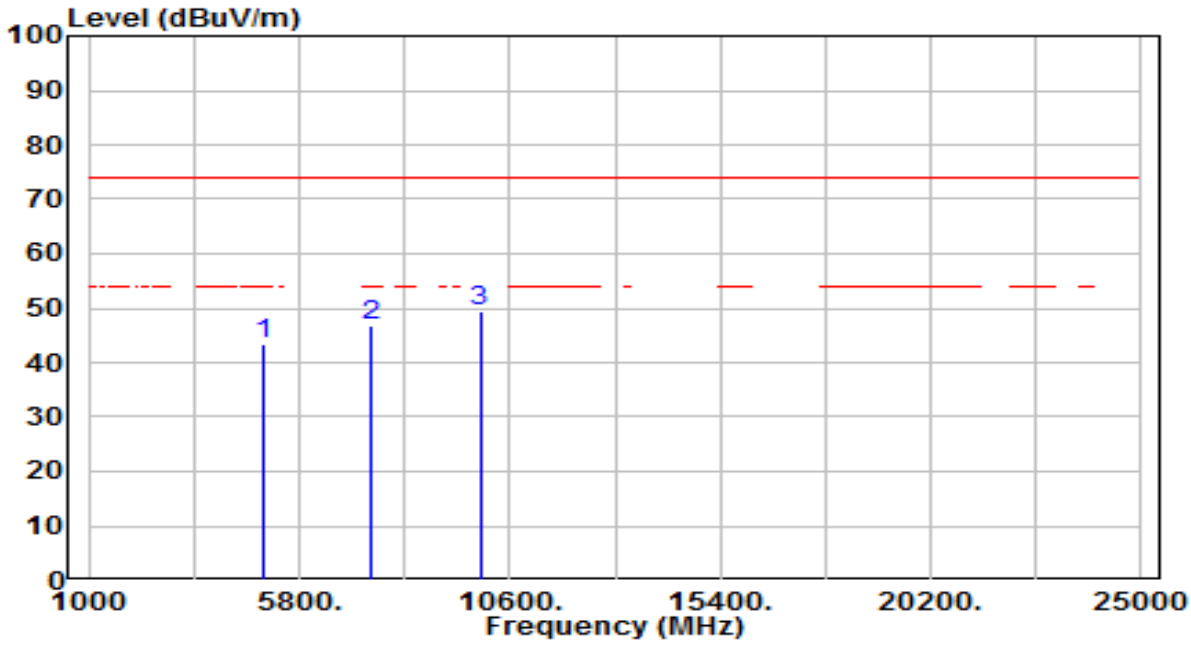



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 34.97 | 3.90 | 38.87 | -35.13 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 33.45 | 12.65 | 46.10 | -27.90 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 32.59 | 16.27 | 48.86 | -25.14 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

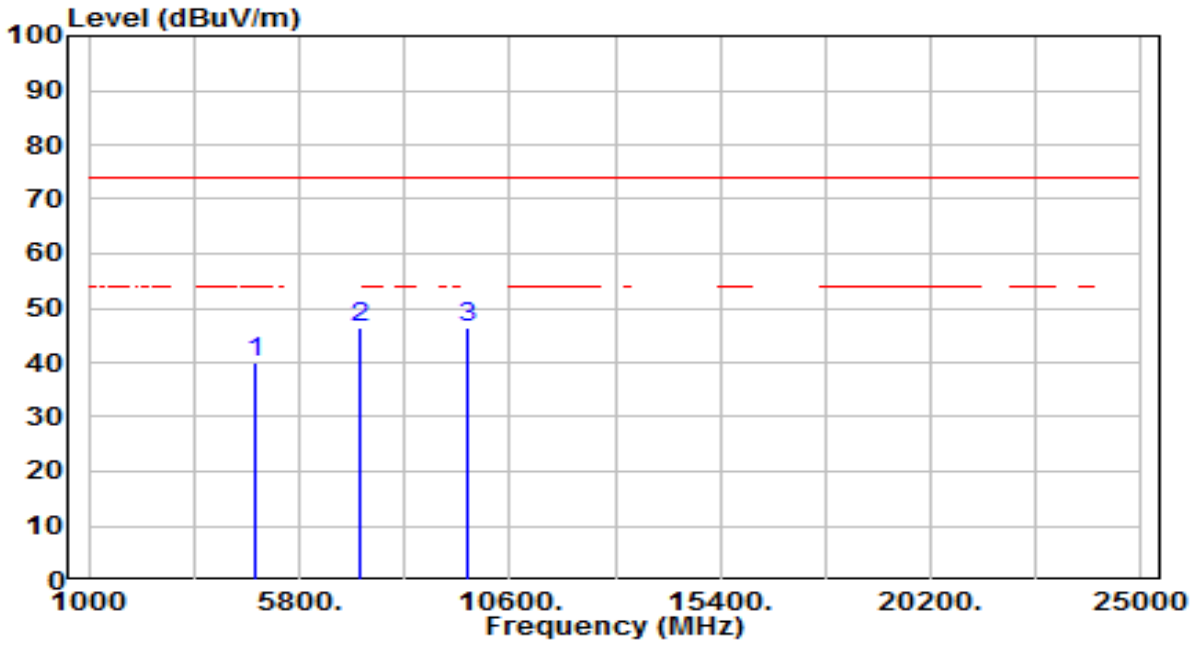



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 39.51 | 3.90 | 43.40 | -30.60 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 34.27 | 12.65 | 46.92 | -27.08 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 33.09 | 16.27 | 49.36 | -24.64 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

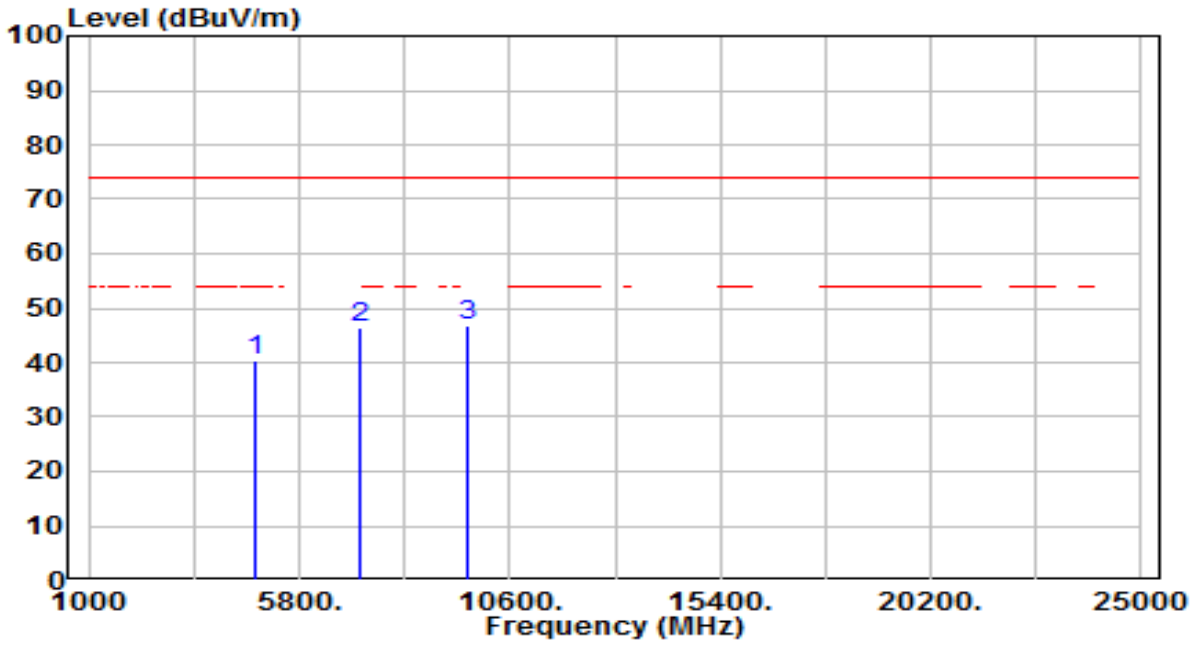



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 36.50 | 3.61 | 40.11 | -33.89 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7206.000 | 34.84 | 11.68 | 46.52 | -27.48 | 74.00 | 150 | 360 | Peak |
| 3 | | 9608.000 | 30.55 | 15.69 | 46.24 | -27.76 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

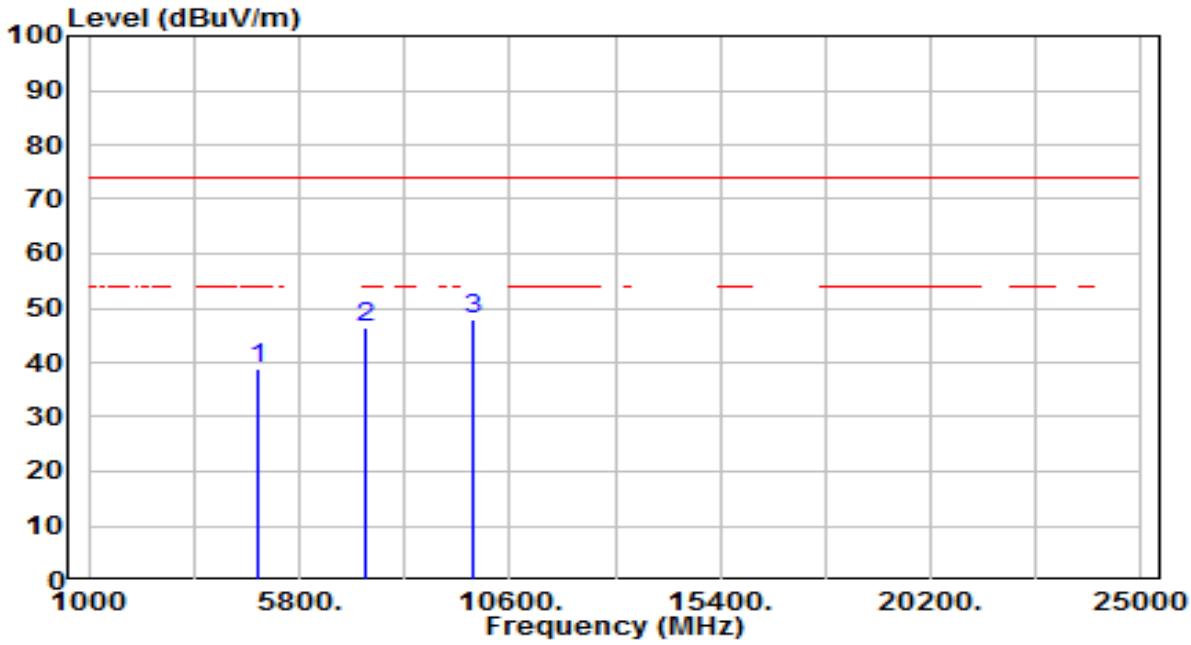



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 36.69 | 3.61 | 40.30 | -33.70 | 74.00 | 150 | 360 | Peak |
| 2 | | 7206.000 | 34.55 | 11.68 | 46.23 | -27.77 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9608.000 | 30.94 | 15.69 | 46.63 | -27.37 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

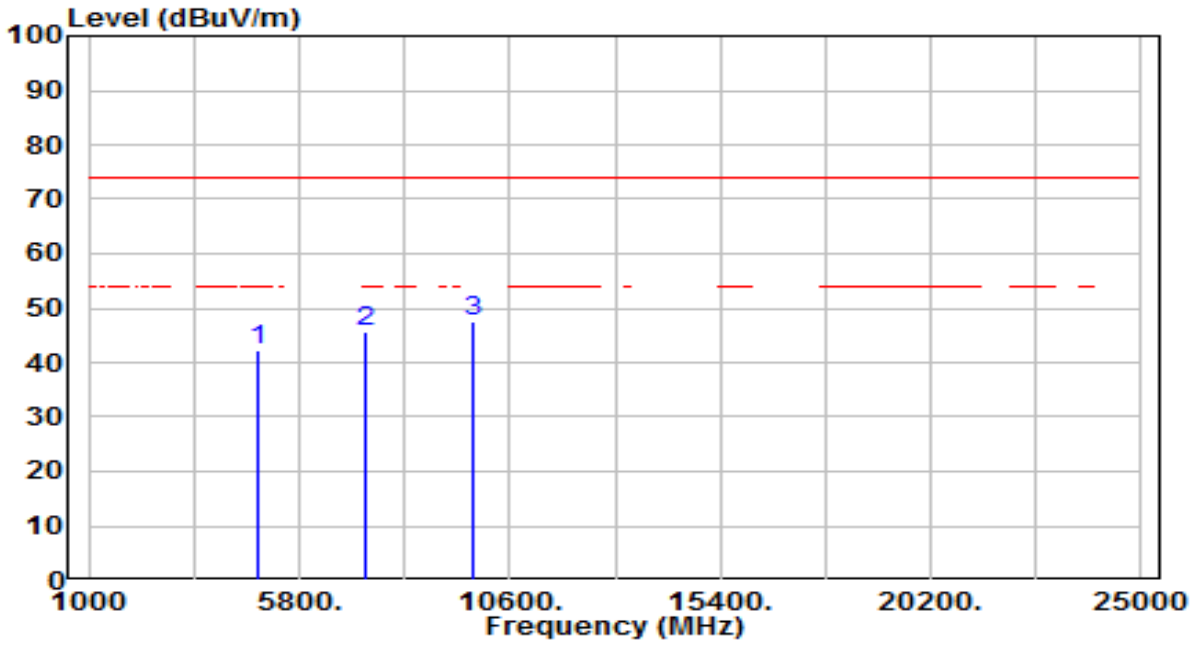



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 35.02 | 3.75 | 38.77 | -35.23 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 34.31 | 12.16 | 46.48 | -27.52 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 31.80 | 15.98 | 47.78 | -26.22 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |

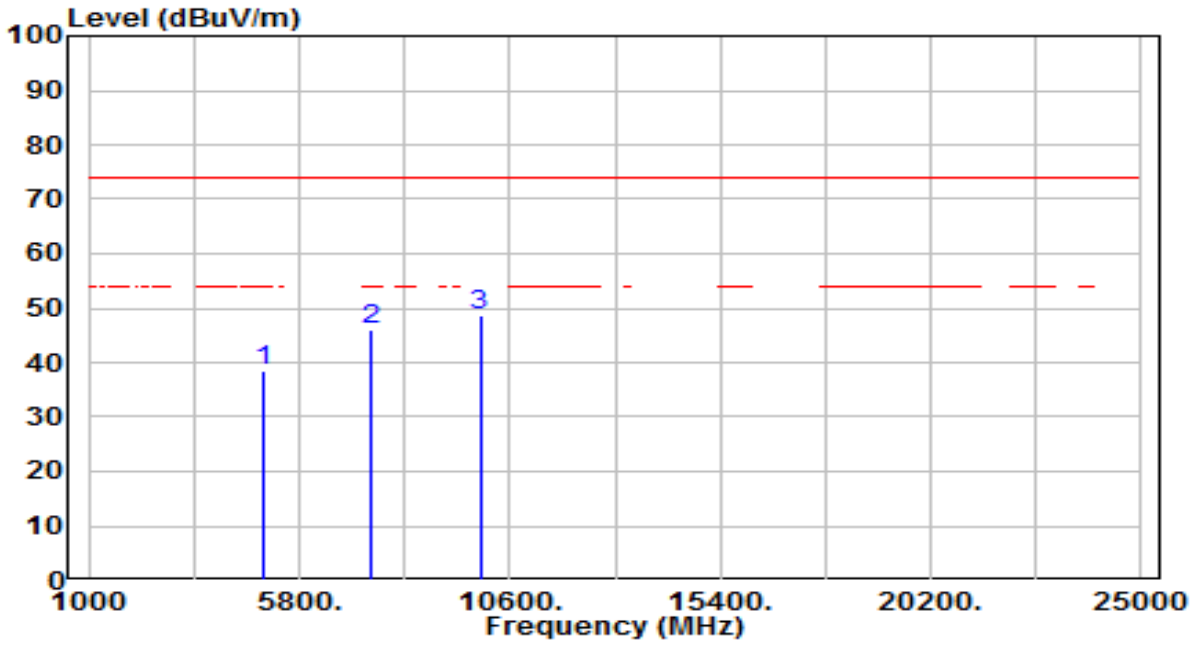



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 38.44 | 3.75 | 42.19 | -31.81 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 33.37 | 12.16 | 45.54 | -28.46 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 31.65 | 15.98 | 47.63 | -26.37 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

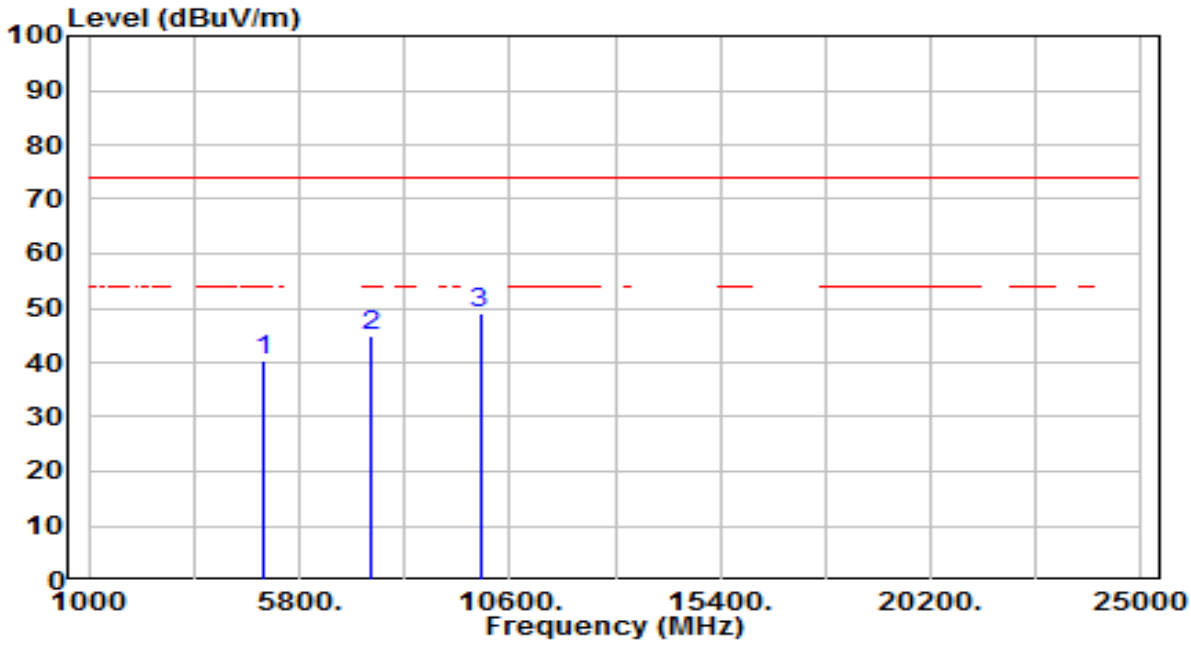



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 34.64 | 3.90 | 38.53 | -35.47 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 33.22 | 12.65 | 45.87 | -28.13 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 32.27 | 16.27 | 48.55 | -25.45 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

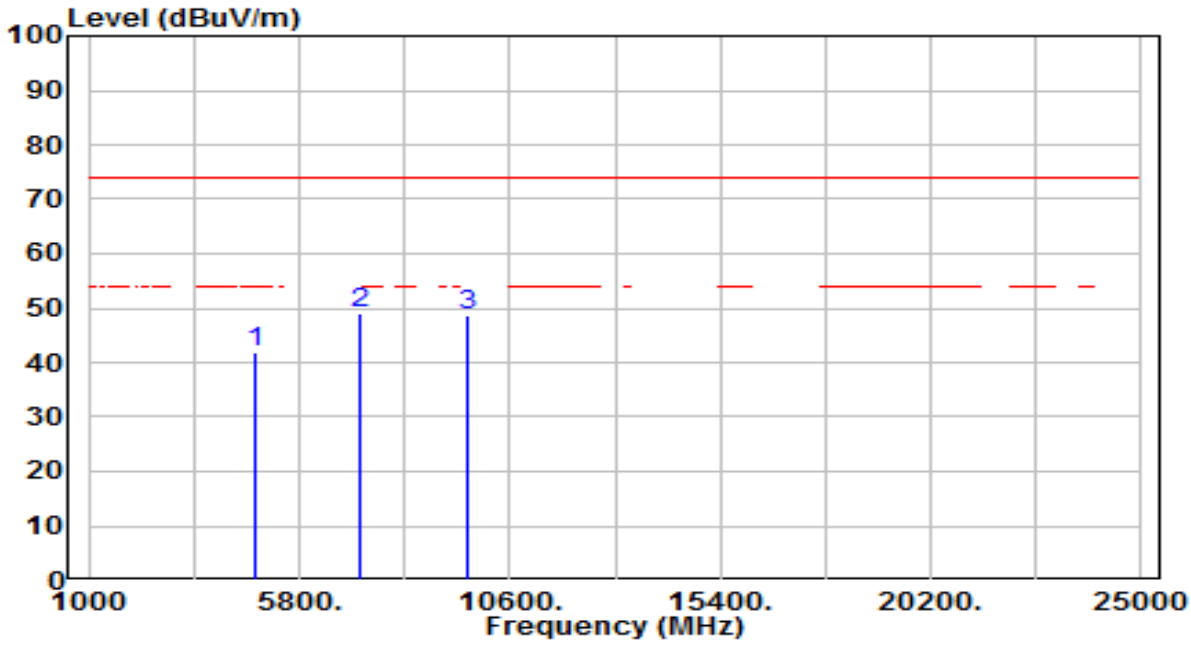



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 36.50 | 3.90 | 40.39 | -33.61 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 32.29 | 12.65 | 44.94 | -29.06 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 32.94 | 16.27 | 49.21 | -24.79 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

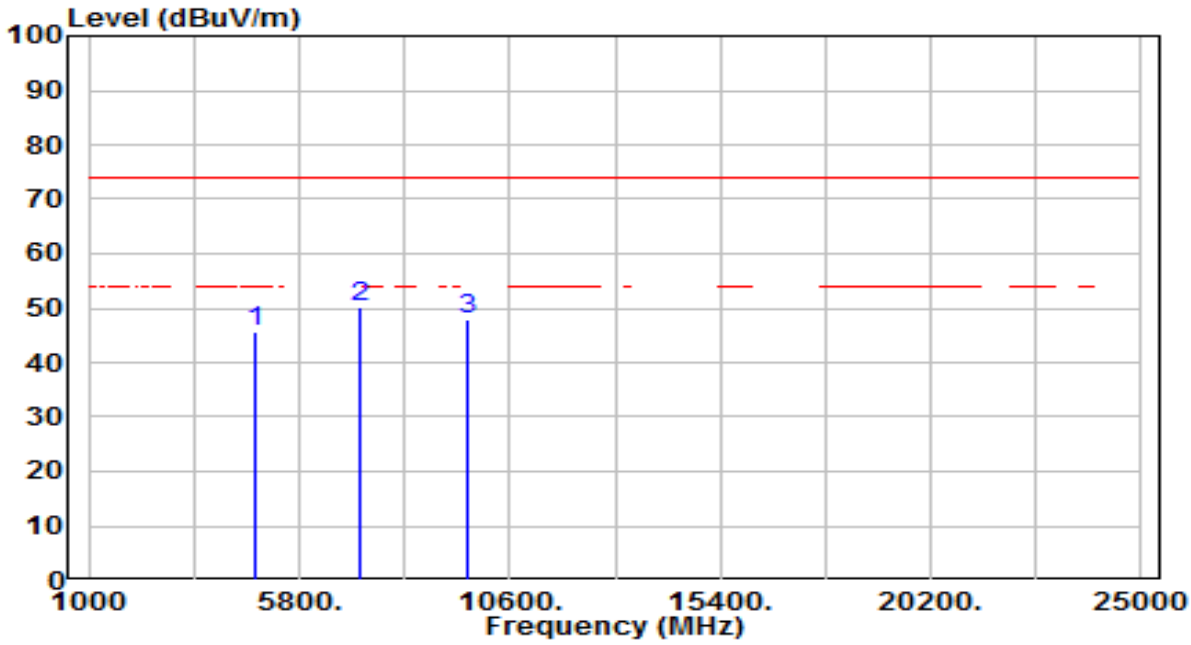



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 38.17 | 3.61 | 41.78 | -32.22 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7206.000 | 37.49 | 11.68 | 49.17 | -24.83 | 74.00 | 150 | 360 | Peak |
| 3 | | 9608.000 | 32.92 | 15.69 | 48.61 | -25.39 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

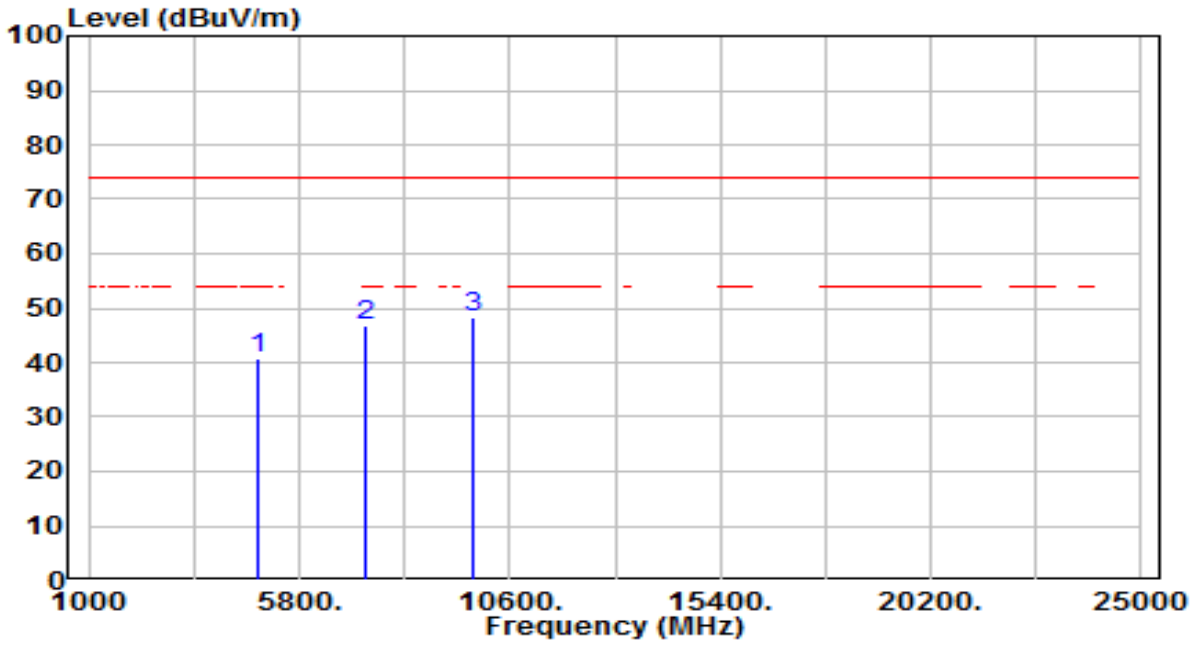



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 41.99 | 3.61 | 45.60 | -28.40 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7206.000 | 38.46 | 11.68 | 50.14 | -23.86 | 74.00 | 150 | 360 | Peak |
| 3 | | 9608.000 | 32.39 | 15.69 | 48.08 | -25.92 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

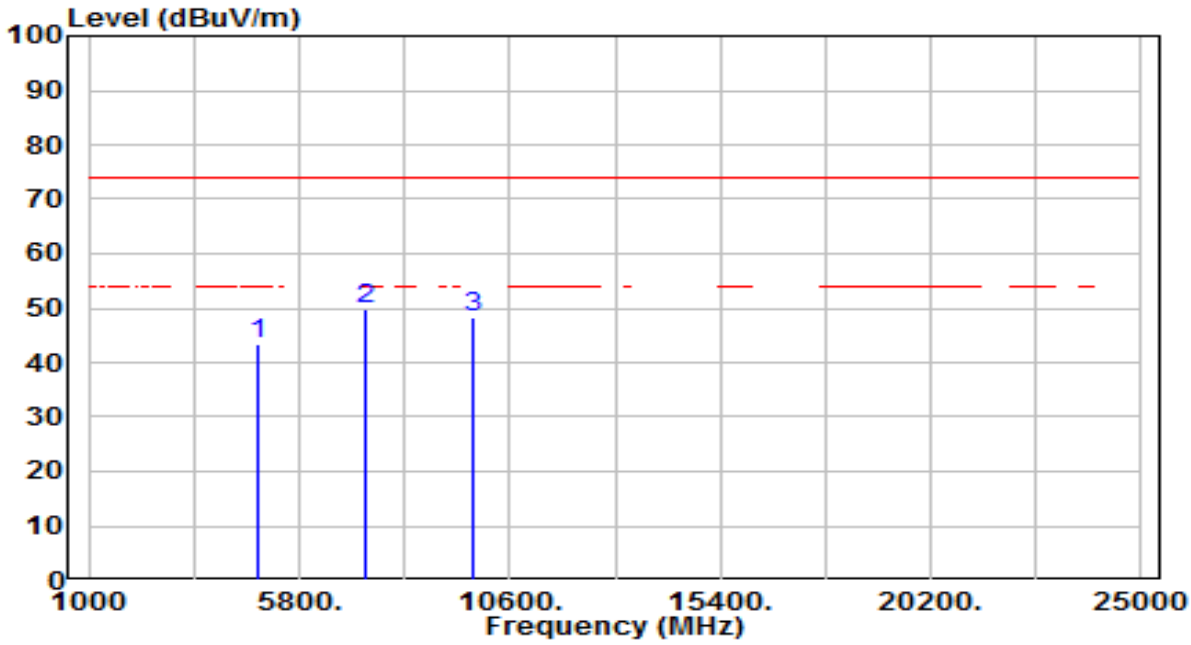



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 36.88 | 3.75 | 40.64 | -33.36 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 34.72 | 12.16 | 46.88 | -27.12 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 32.20 | 15.98 | 48.18 | -25.82 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

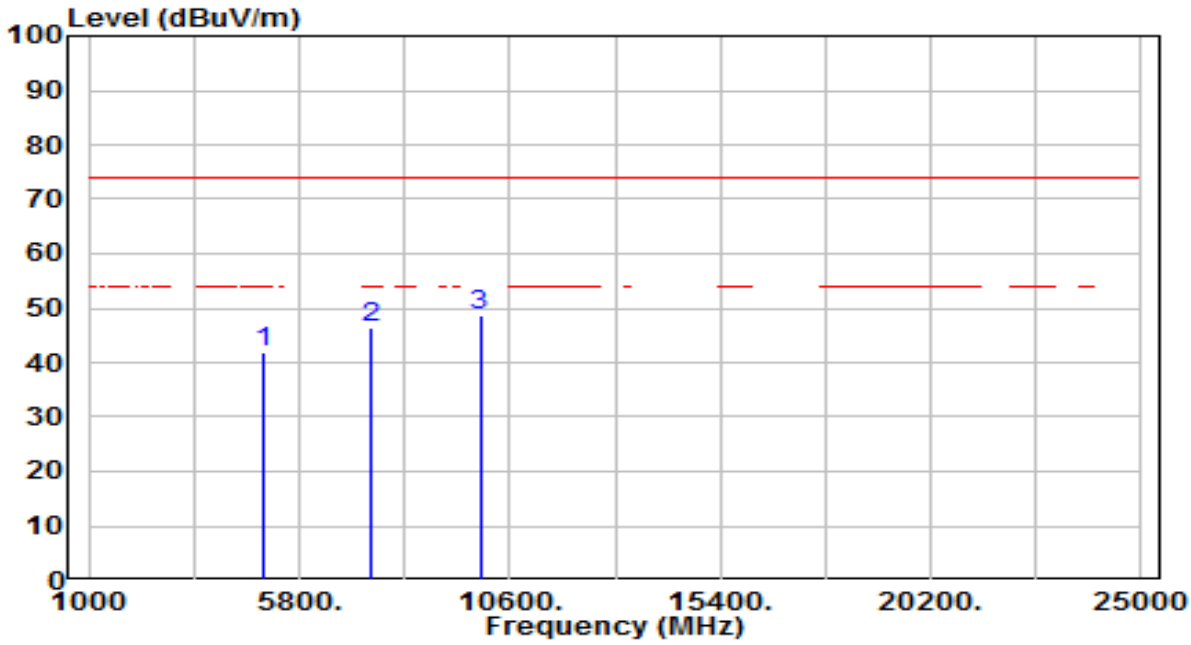



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 39.54 | 3.75 | 43.29 | -30.71 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7323.000 | 37.50 | 12.16 | 49.66 | -24.34 | 74.00 | 150 | 360 | Peak |
| 3 | | 9764.000 | 32.14 | 15.98 | 48.12 | -25.88 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

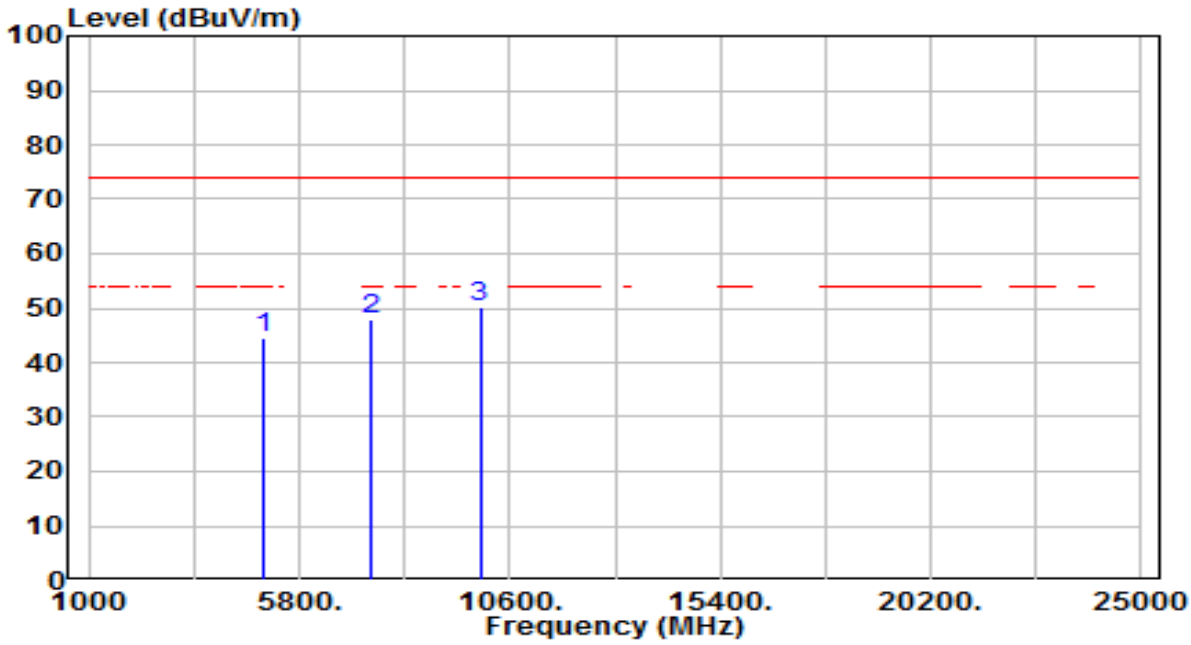



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 38.14 | 3.90 | 42.03 | -31.97 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 33.71 | 12.65 | 46.35 | -27.65 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 32.39 | 16.27 | 48.66 | -25.34 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

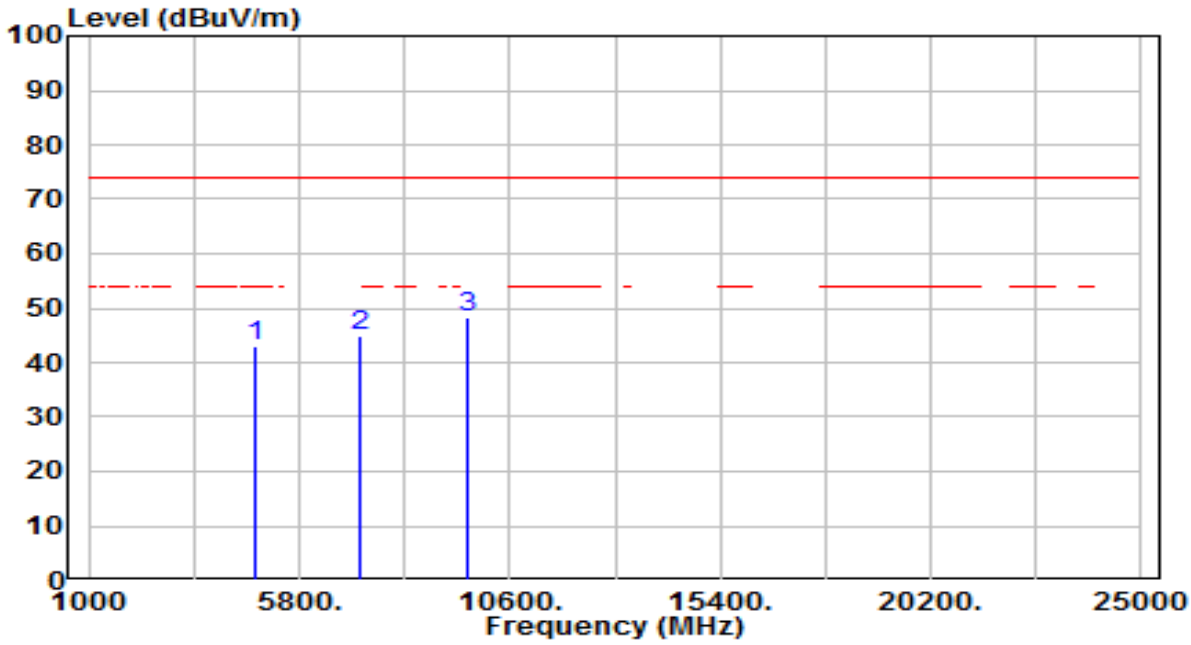



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 40.70 | 3.90 | 44.60 | -29.40 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 35.27 | 12.65 | 47.92 | -26.08 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 33.88 | 16.27 | 50.15 | -23.85 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

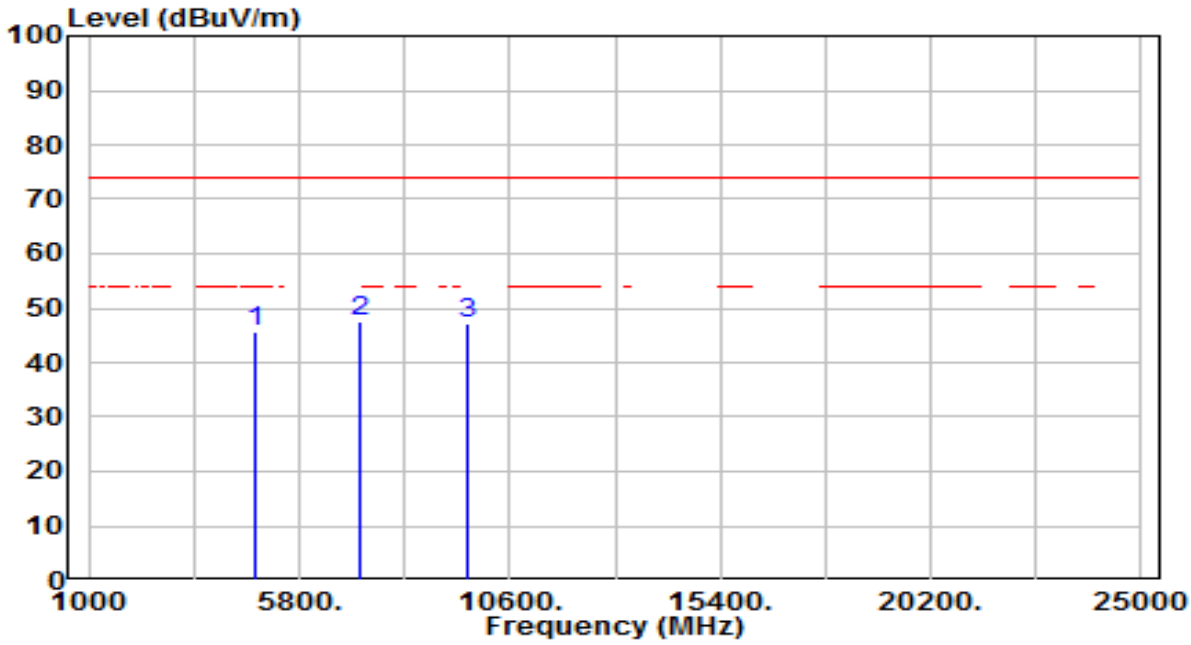



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 39.52 | 3.61 | 43.13 | -30.87 | 74.00 | 150 | 360 | Peak |
| 2 | | 7206.000 | 33.38 | 11.68 | 45.06 | -28.94 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9608.000 | 32.48 | 15.69 | 48.17 | -25.83 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

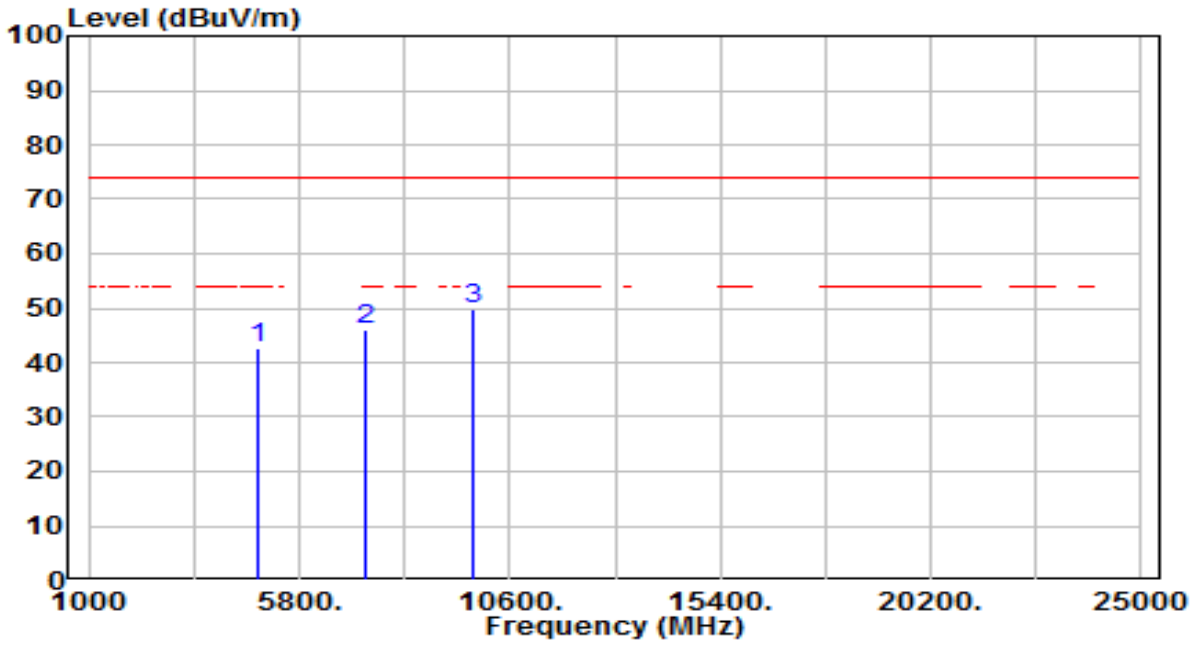



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4804.000 | 41.98 | 3.61 | 45.59 | -28.41 | 74.00 | 150 | 360 | Peak |
| 2 | * | 7206.000 | 35.95 | 11.68 | 47.63 | -26.37 | 74.00 | 150 | 360 | Peak |
| 3 | | 9608.000 | 31.36 | 15.69 | 47.05 | -26.95 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

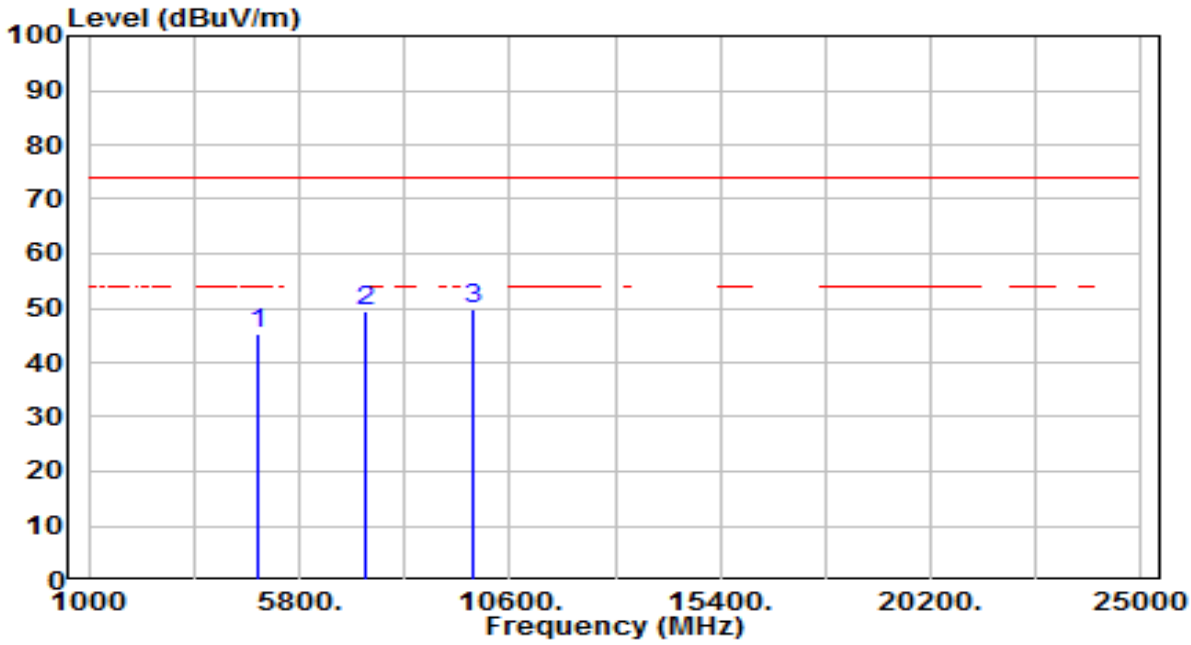



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 39.01 | 3.75 | 42.77 | -31.23 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 33.73 | 12.16 | 45.89 | -28.11 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 33.85 | 15.98 | 49.83 | -24.17 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |

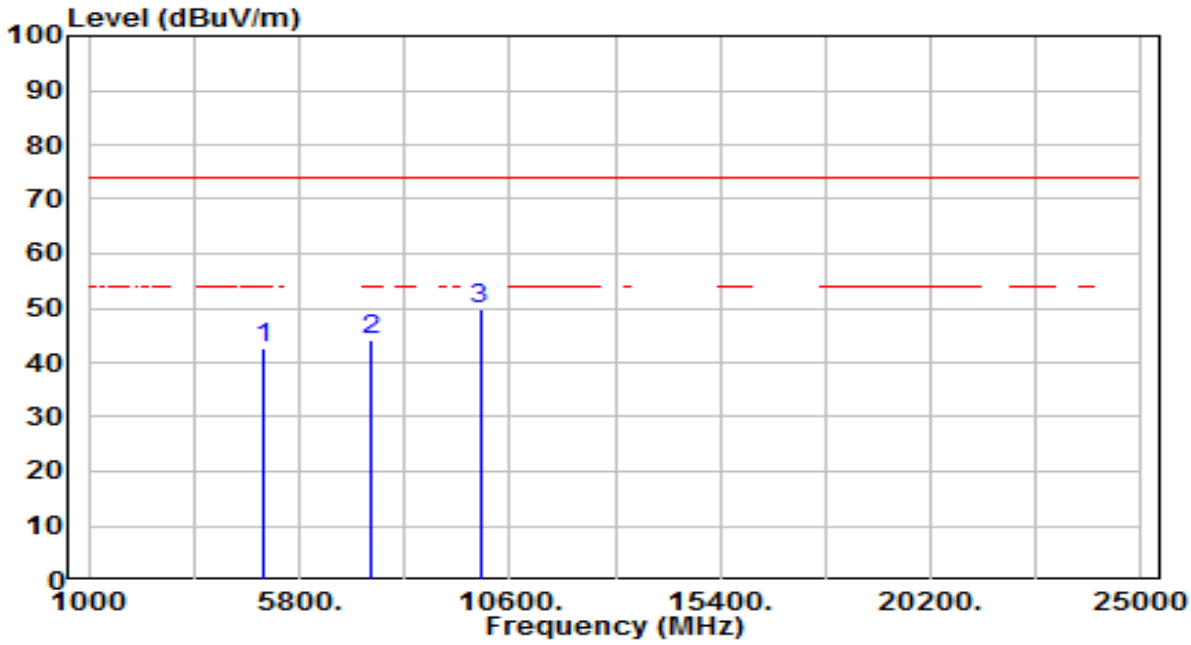



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4882.000 | 41.42 | 3.75 | 45.18 | -28.82 | 74.00 | 150 | 360 | Peak |
| 2 | | 7323.000 | 37.37 | 12.16 | 49.53 | -24.47 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9764.000 | 33.68 | 15.98 | 49.66 | -24.34 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

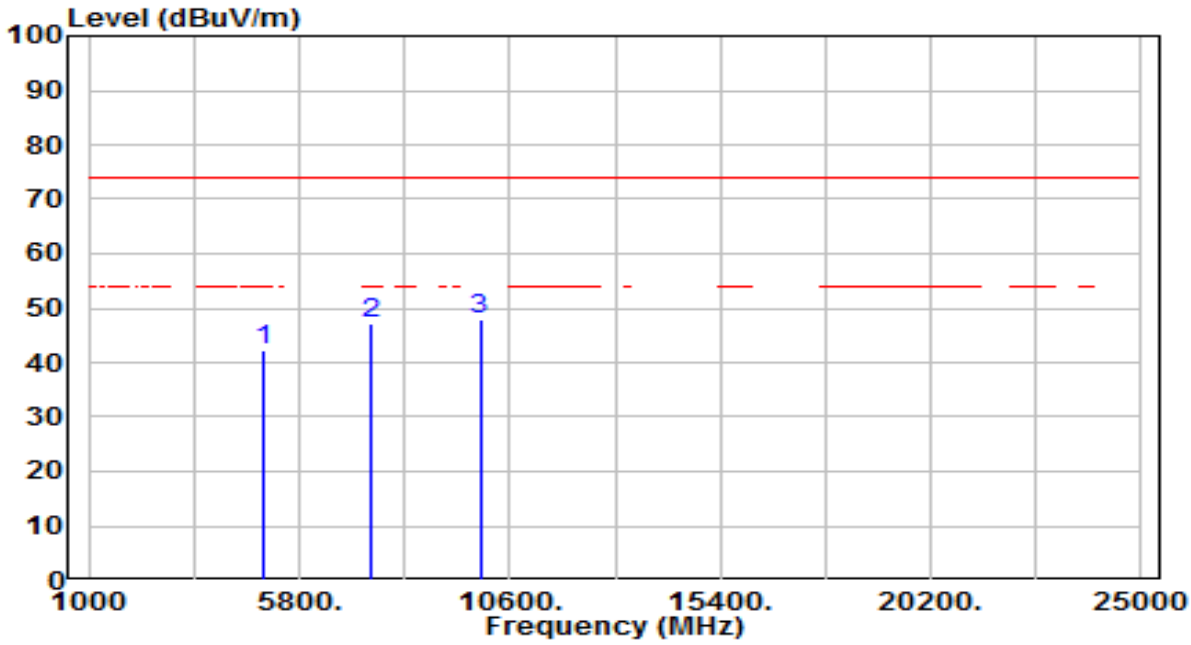



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4960.000 | 38.67 | 3.90 | 42.57 | -31.43 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 31.32 | 12.65 | 43.97 | -30.03 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 33.43 | 16.27 | 49.70 | -24.30 | 74.00 | 150 | 360 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-19 |
|---|---|---|---|
| Factor | BBHA 9120D & BBHA 9170 | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |




| 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 | | 4960.000 | 38.20 | 3.90 | 42.10 | -31.90 | 74.00 | 150 | 360 | Peak |
| 2 | | 7440.000 | 34.63 | 12.65 | 47.28 | -26.72 | 74.00 | 150 | 360 | Peak |
| 3 | * | 9920.000 | 31.66 | 16.27 | 47.93 | -26.07 | 74.00 | 150 | 360 | Peak |

Note:

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

## 7.9. Radiated Restricted Band Edge Measurement

### 7.9.1. Test Limit

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 |

### 7.9.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

### 7.9.3. 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 * 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**

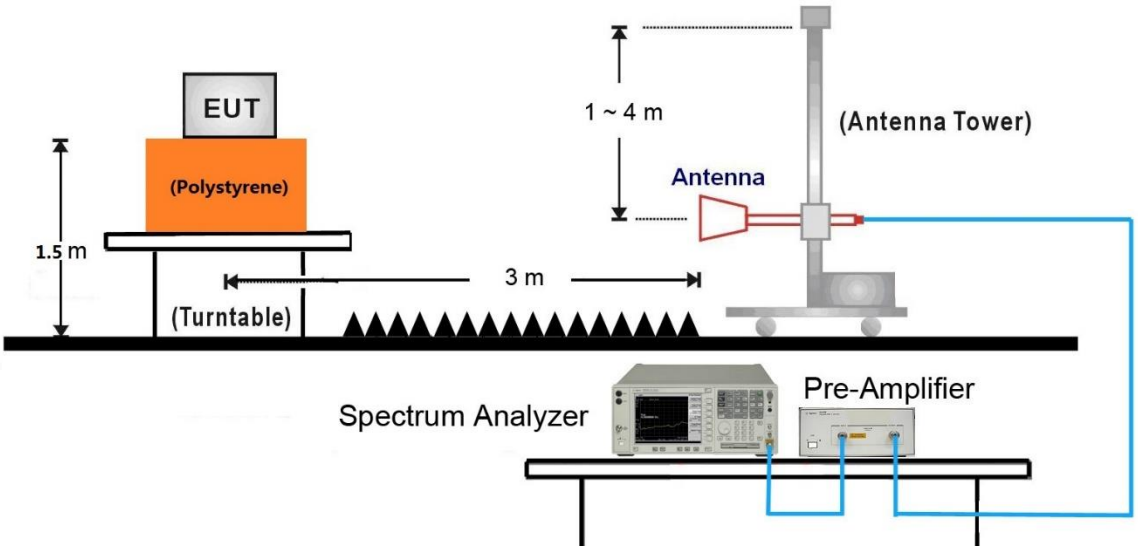
| Frequency | RBW |
|---|---|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

**Average Field Strength Measurements**

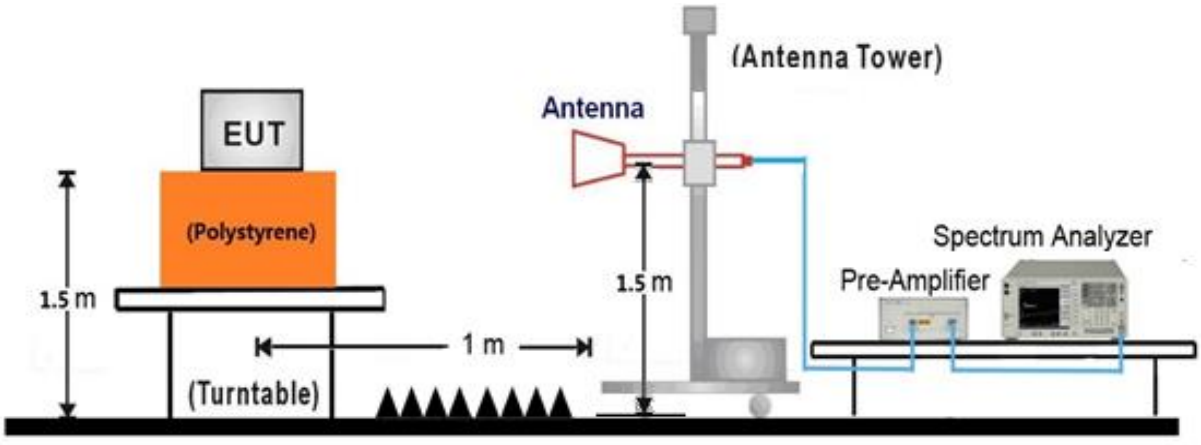
9. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
10. RBW = 1MHz
11. VBW ≥ 1/T
12. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

### 7.9.4. Test Setup

1GHz ~ 18GHz Test Setup:

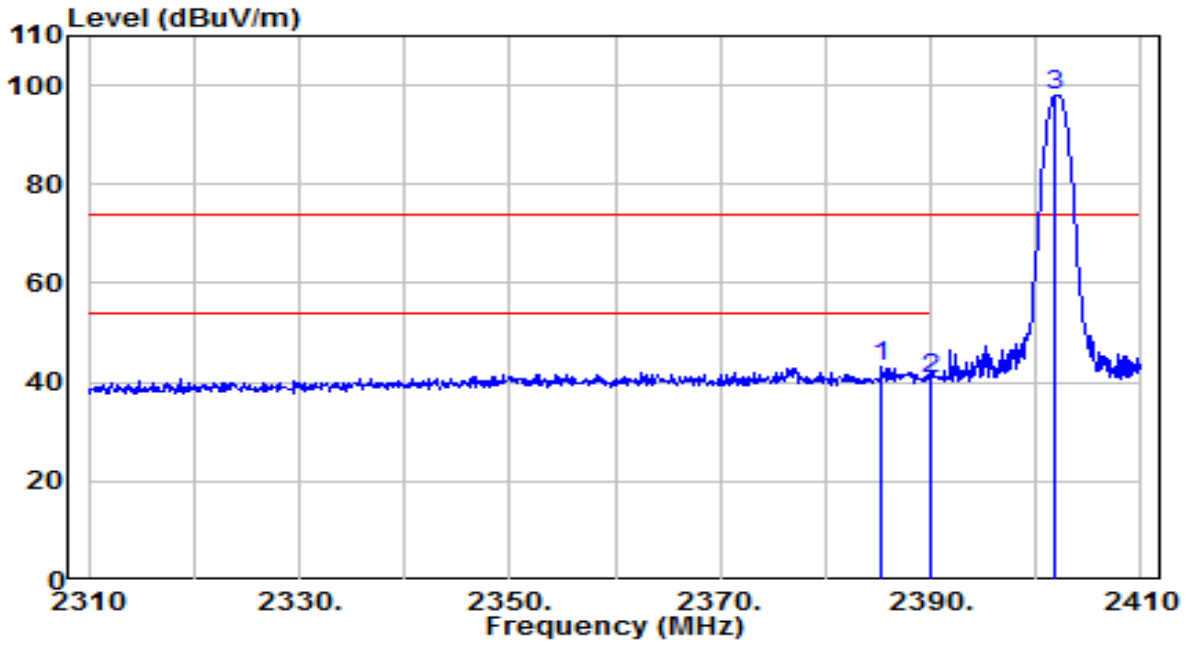



18GHz ~40GHz Test Setup:



### 7.9.5. Test Result

| EUT | Wireless Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

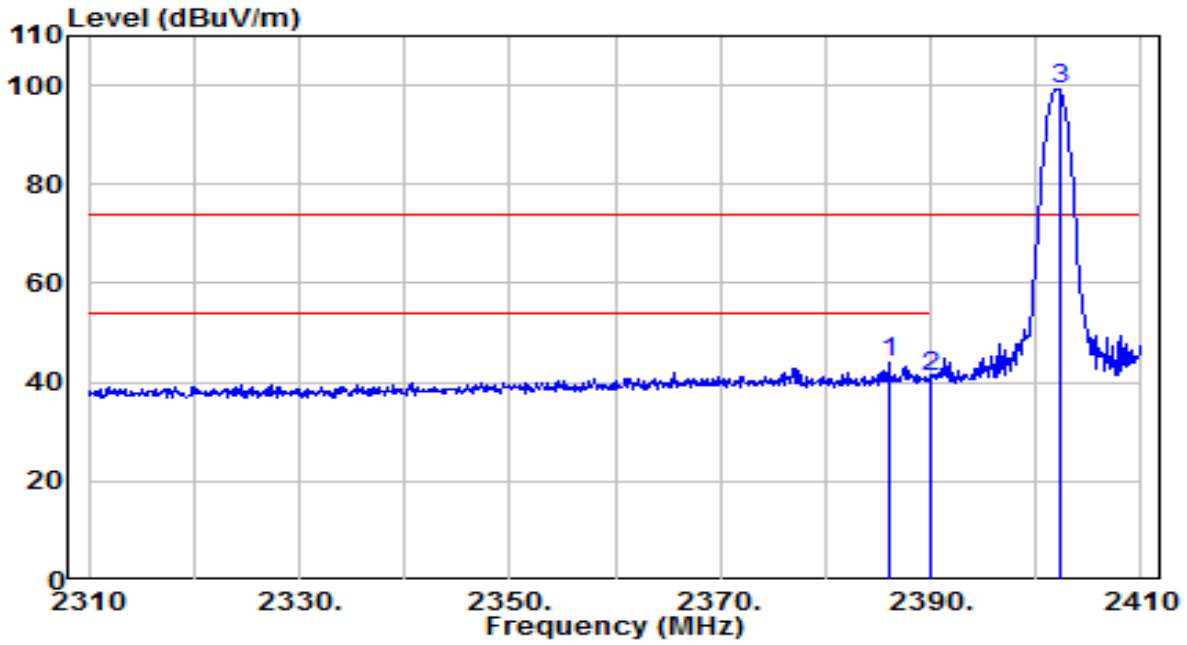



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2385.300 | 45.34 | -2.05 | 43.28 | -30.72 | 74.00 | 135 | 40 | Peak |
| 2 | | 2390.000 | 42.83 | -2.04 | 40.79 | -33.21 | 74.00 | 135 | 40 | Peak |
| 3 | | 2401.900 | 100.09 | -2.00 | 98.09 | N/A | N/A | 135 | 40 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

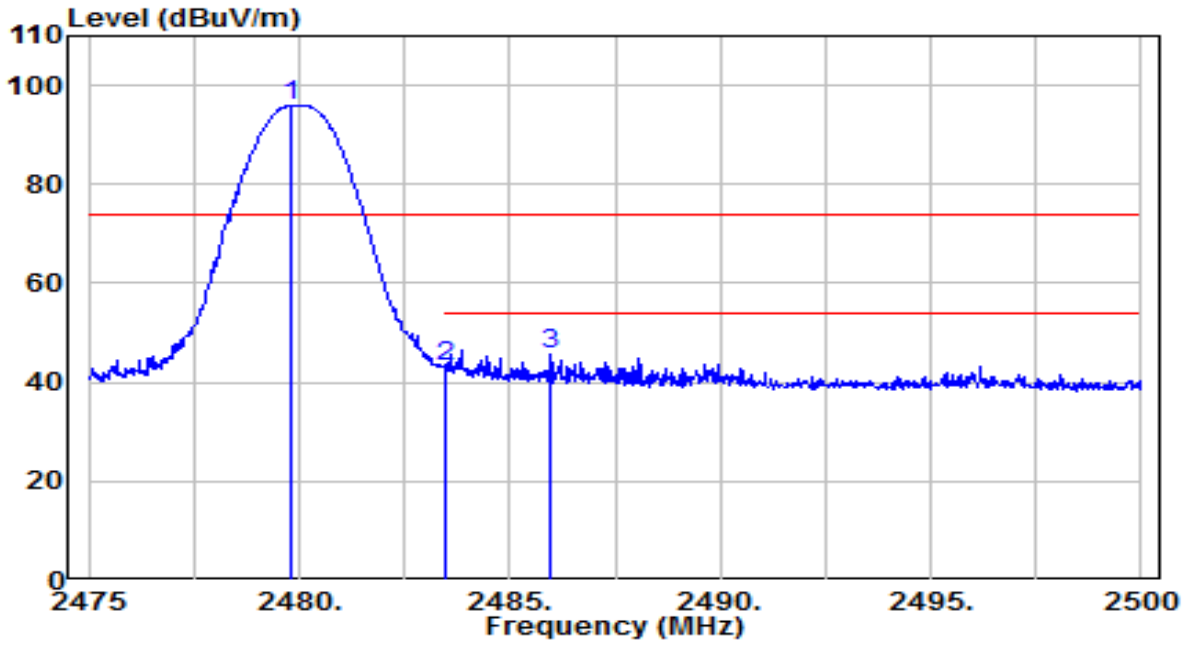



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2386.000 | 45.89 | -2.05 | 43.84 | -30.16 | 74.00 | 150 | 165 | Peak |
| 2 | | 2390.000 | 43.12 | -2.04 | 41.08 | -32.92 | 74.00 | 150 | 165 | Peak |
| 3 | | 2402.200 | 101.04 | -2.00 | 99.04 | N/A | N/A | 150 | 165 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

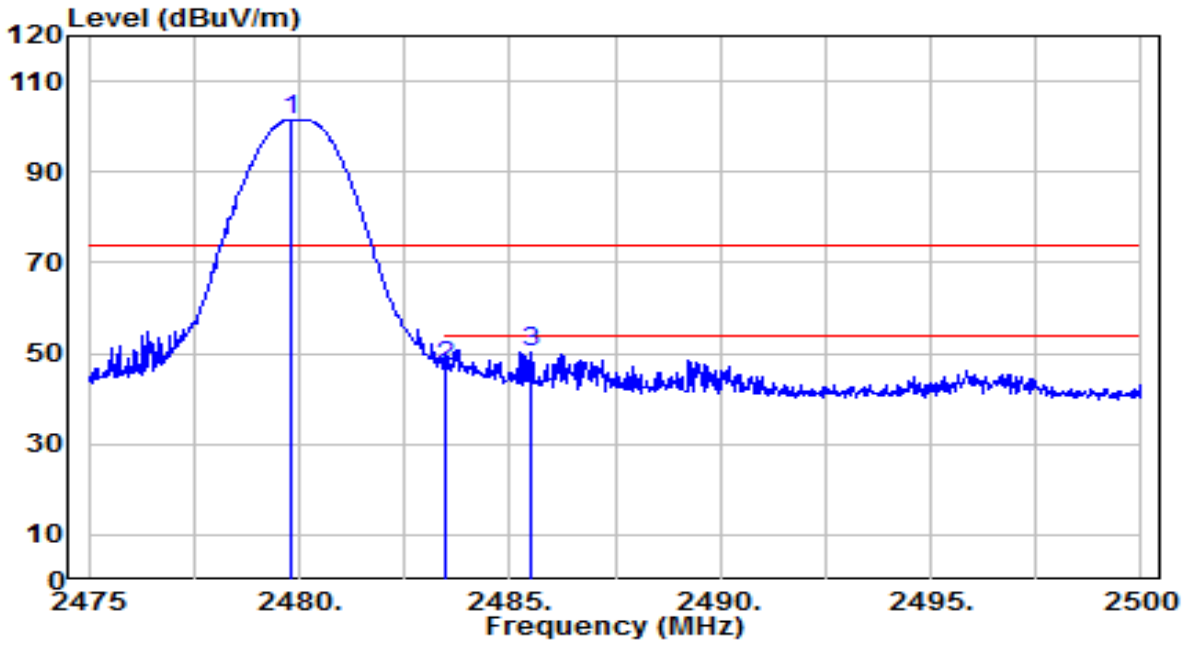



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.800 | 97.61 | -1.75 | 95.85 | N/A | N/A | 115 | 235 | Peak |
| 2 | | 2483.500 | 45.01 | -1.74 | 43.27 | -30.73 | 74.00 | 115 | 235 | Peak |
| 3 | * | 2485.975 | 47.56 | -1.73 | 45.83 | -28.17 | 74.00 | 115 | 235 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

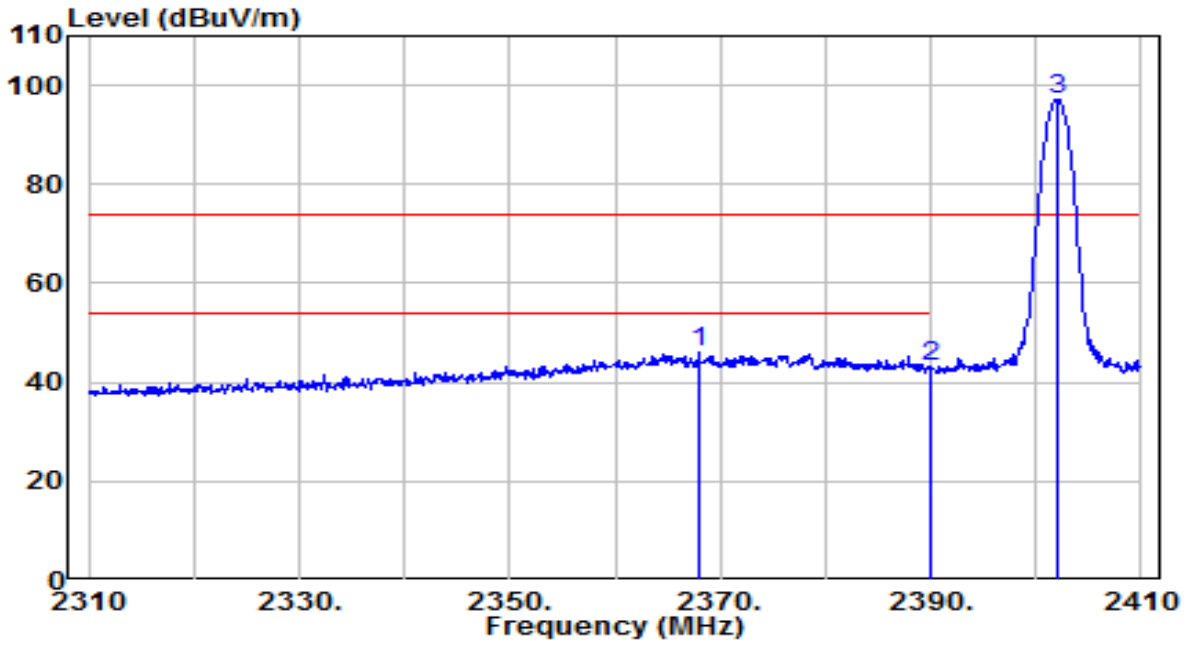



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.800 | 103.26 | -1.75 | 101.51 | N/A | N/A | 150 | 275 | Peak |
| 2 | | 2483.500 | 48.70 | -1.74 | 46.96 | -27.04 | 74.00 | 150 | 275 | Peak |
| 3 | * | 2485.475 | 52.03 | -1.74 | 50.29 | -23.71 | 74.00 | 150 | 275 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

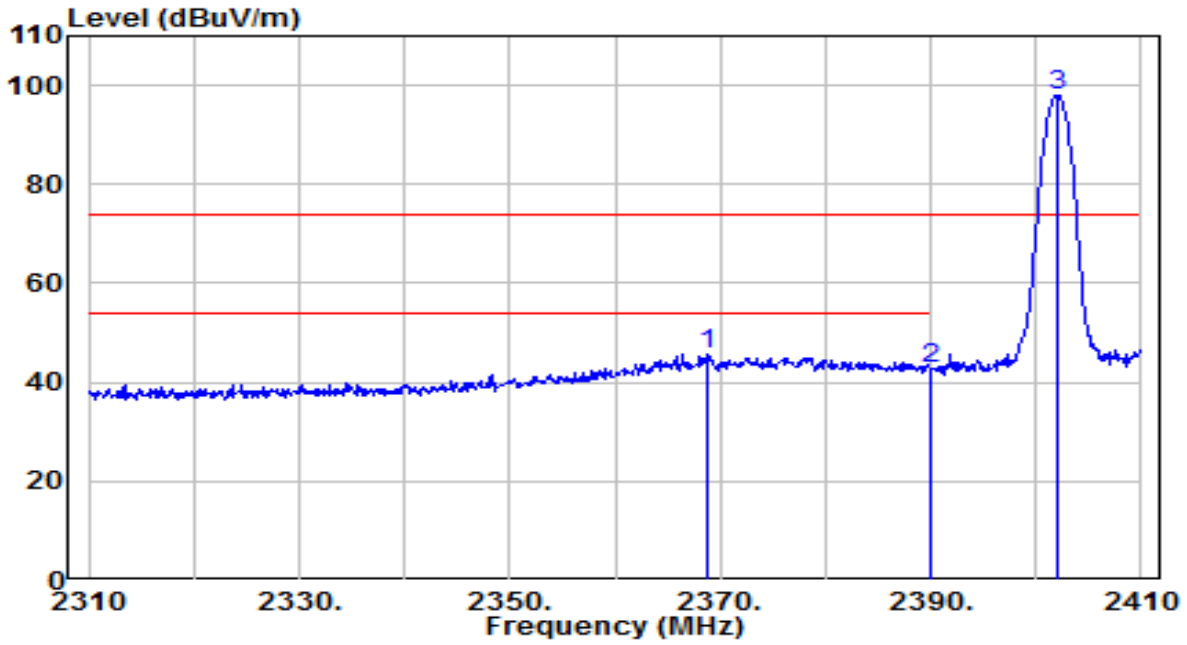



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2368.000 | 48.05 | -2.11 | 45.94 | -28.06 | 74.00 | 135 | 40 | Peak |
| 2 | | 2390.000 | 45.26 | -2.04 | 43.22 | -30.78 | 74.00 | 135 | 40 | Peak |
| 3 | | 2402.000 | 99.23 | -2.00 | 97.23 | N/A | N/A | 135 | 40 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Left ear | Test Voltage | By Notebook PC |

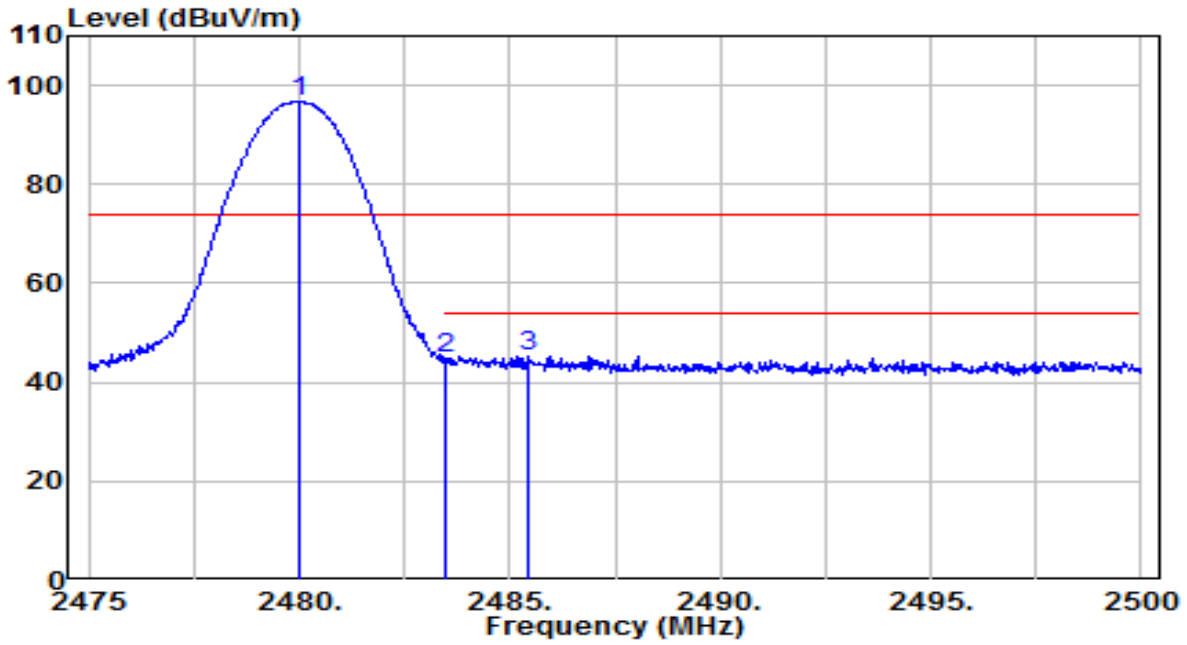



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2368.800 | 47.83 | -2.10 | 45.73 | -28.27 | 74.00 | 150 | 165 | Peak |
| 2 | | 2390.000 | 44.96 | -2.04 | 42.92 | -31.08 | 74.00 | 150 | 165 | Peak |
| 3 | | 2402.000 | 100.16 | -2.00 | 98.16 | N/A | N/A | 150 | 165 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

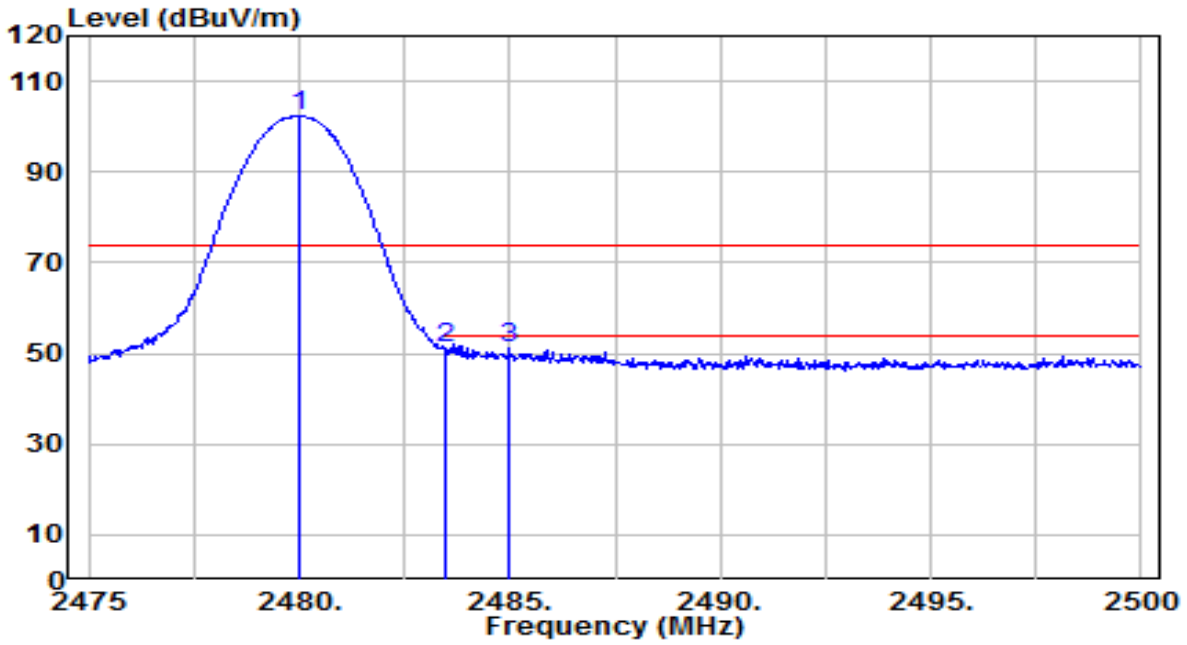



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2480.000 | 98.55 | -1.75 | 96.79 | N/A | N/A | 115 | 235 | Peak |
| 2 | | 2483.500 | 46.77 | -1.74 | 45.03 | -28.97 | 74.00 | 115 | 235 | Peak |
| 3 | * | 2485.425 | 47.13 | -1.74 | 45.40 | -28.60 | 74.00 | 115 | 235 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Left ear | Test Voltage | By Notebook PC |

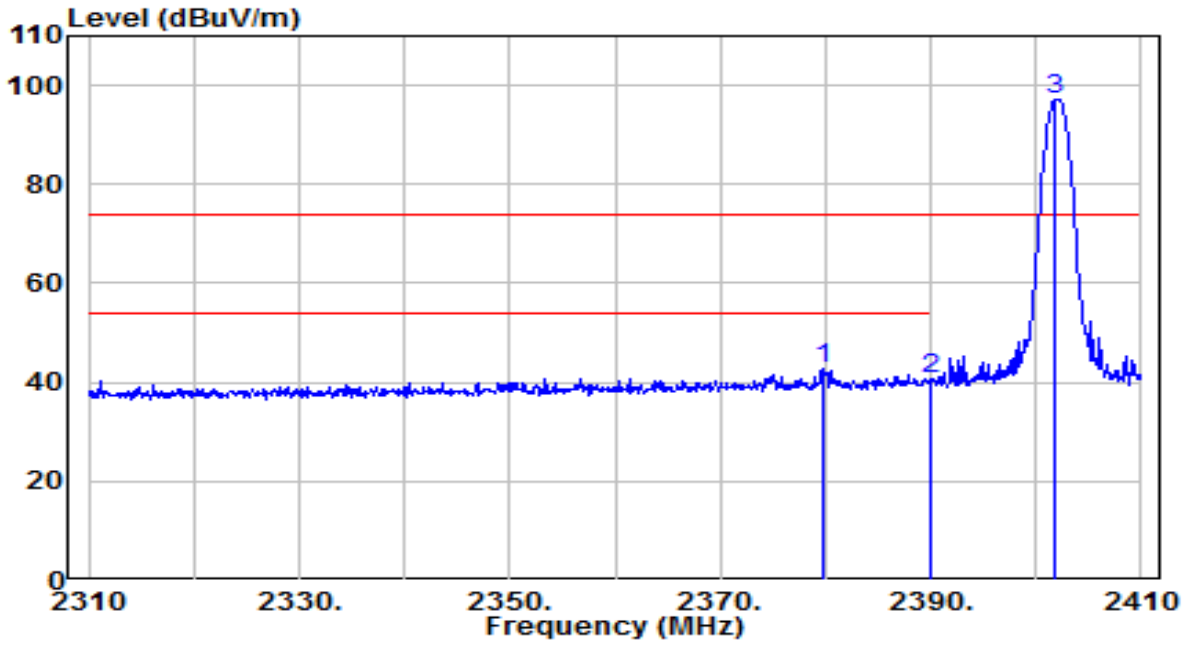



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.975 | 104.17 | -1.75 | 102.41 | N/A | N/A | 150 | 275 | Peak |
| 2 | * | 2483.500 | 53.08 | -1.74 | 51.33 | -22.67 | 74.00 | 150 | 275 | Peak |
| 3 | | 2485.000 | 52.81 | -1.74 | 51.07 | -22.93 | 74.00 | 150 | 275 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

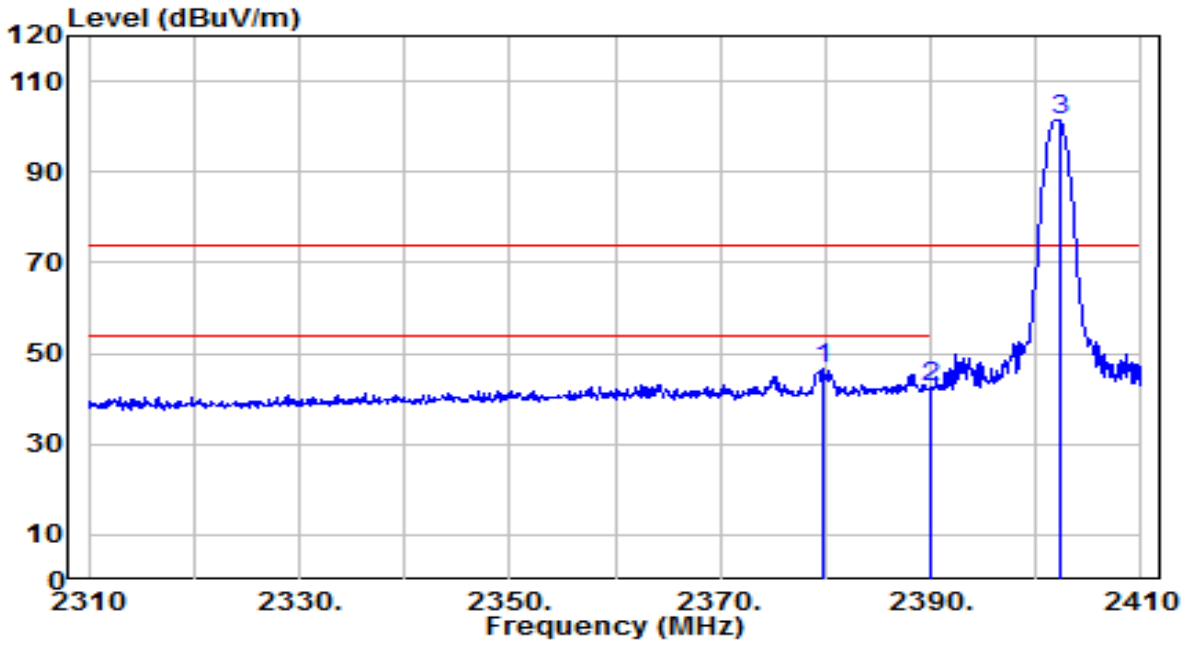



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2379.800 | 44.84 | -2.07 | 42.77 | -31.23 | 74.00 | 130 | 45 | Peak |
| 2 | | 2390.000 | 42.67 | -2.04 | 40.63 | -33.37 | 74.00 | 130 | 45 | Peak |
| 3 | | 2401.800 | 99.33 | -2.00 | 97.33 | N/A | N/A | 130 | 45 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

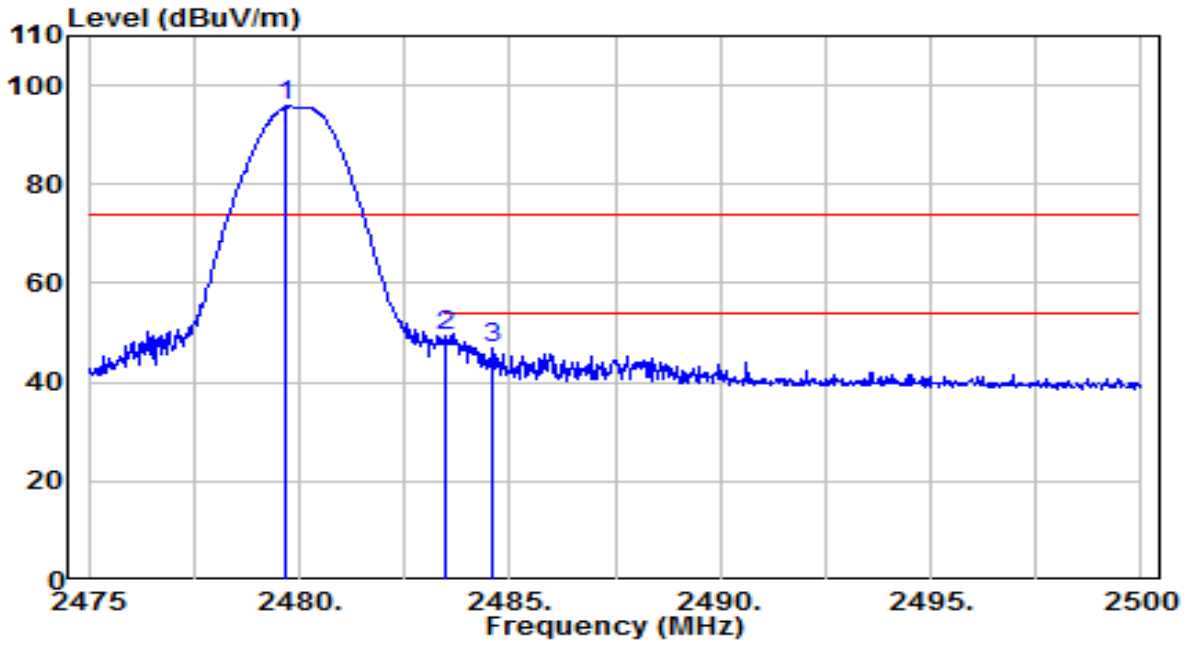



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2379.800 | 48.55 | -2.07 | 46.48 | -27.52 | 74.00 | 220 | 265 | Peak |
| 2 | | 2390.000 | 44.64 | -2.04 | 42.60 | -31.40 | 74.00 | 220 | 265 | Peak |
| 3 | | 2402.200 | 103.46 | -2.00 | 101.46 | N/A | N/A | 220 | 265 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

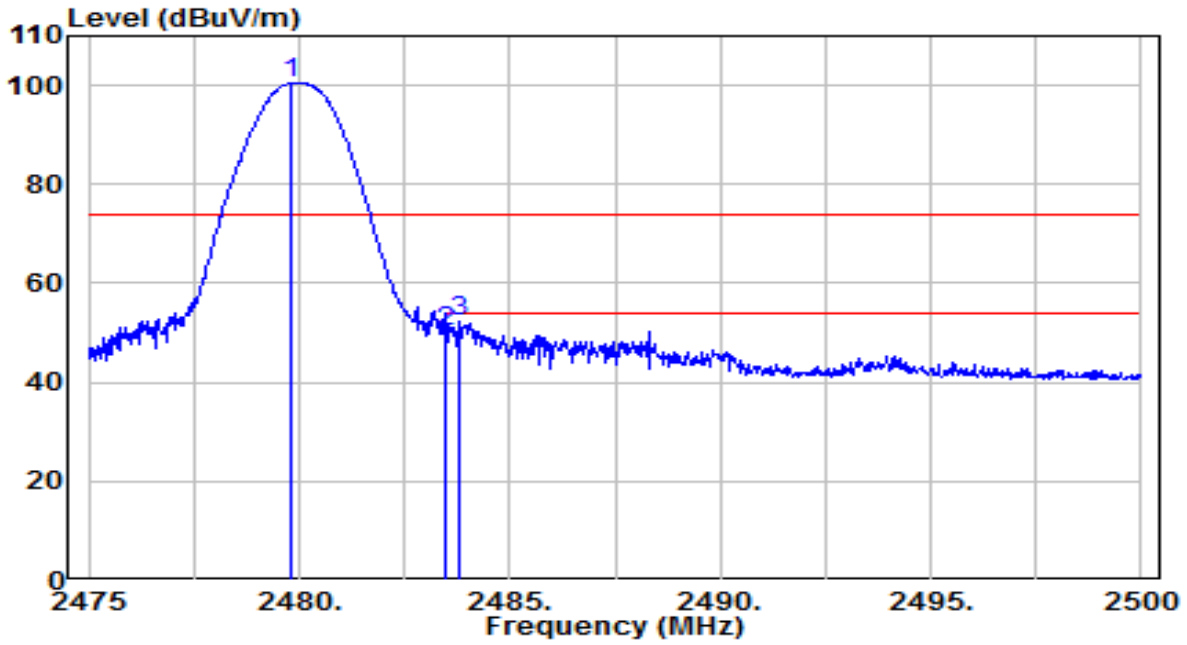



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.675 | 97.48 | -1.75 | 95.73 | N/A | N/A | 155 | 150 | Peak |
| 2 | * | 2483.500 | 51.11 | -1.74 | 49.37 | -24.63 | 74.00 | 155 | 150 | Peak |
| 3 | | 2484.600 | 48.49 | -1.74 | 46.75 | -27.25 | 74.00 | 155 | 150 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

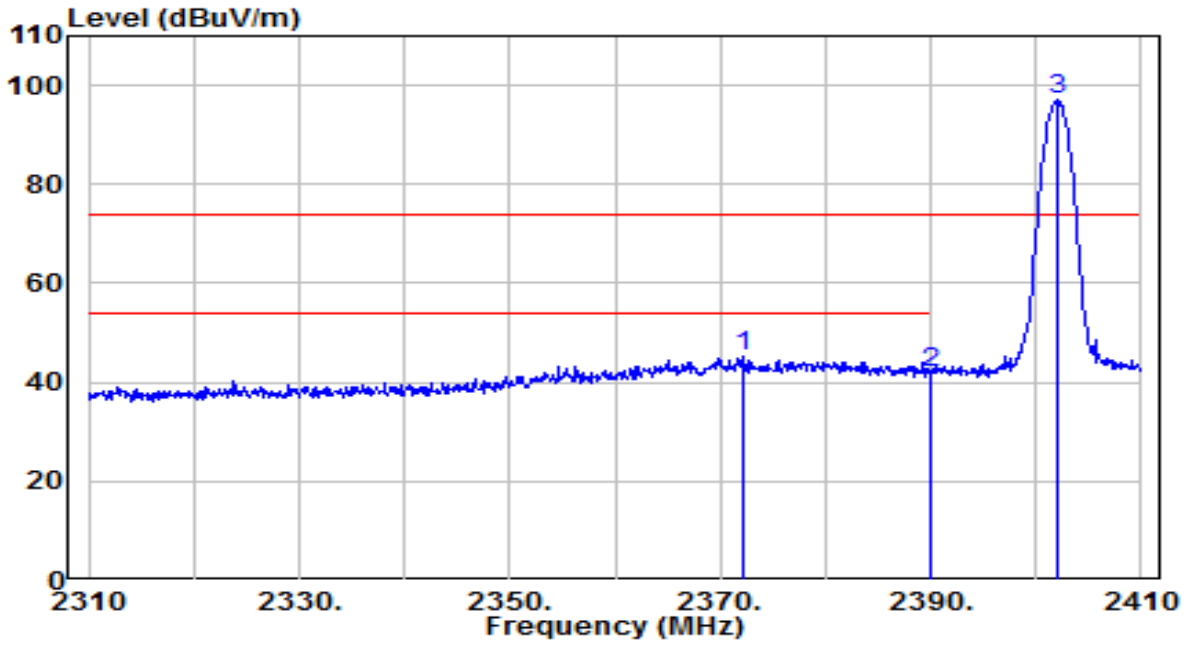



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.800 | 102.06 | -1.75 | 100.31 | N/A | N/A | 115 | 225 | Peak |
| 2 | | 2483.500 | 51.81 | -1.74 | 50.07 | -23.93 | 74.00 | 115 | 225 | Peak |
| 3 | * | 2483.825 | 54.00 | -1.74 | 52.25 | -21.75 | 74.00 | 115 | 225 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

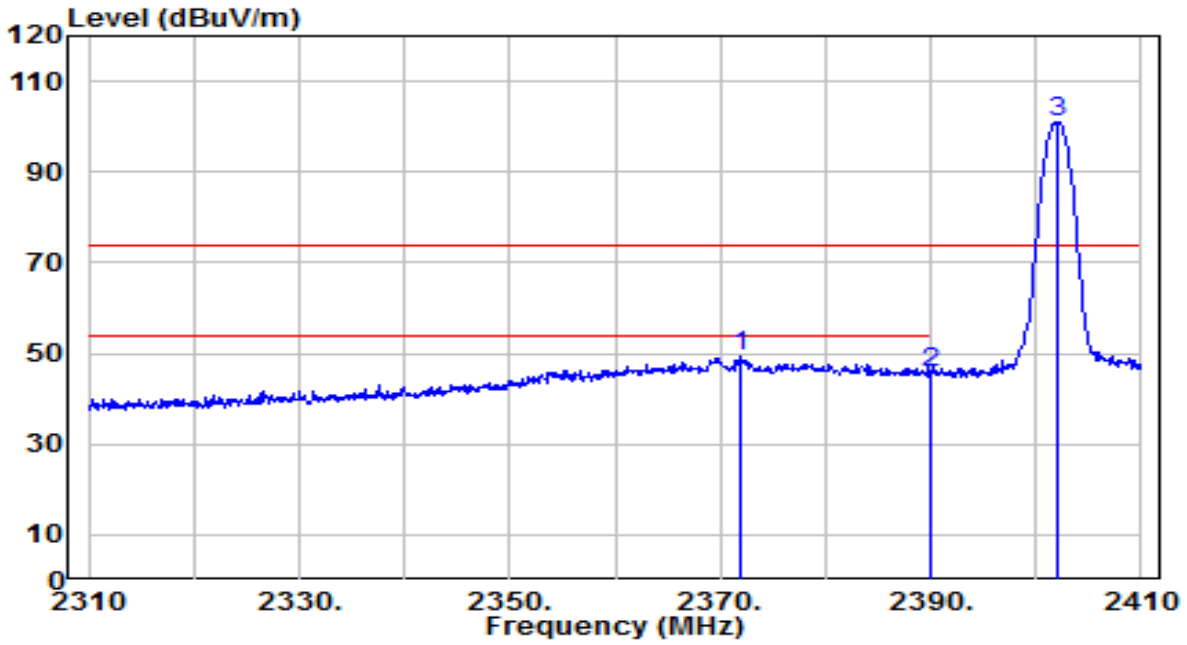



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2372.200 | 47.31 | -2.09 | 45.22 | -28.78 | 74.00 | 130 | 45 | Peak |
| 2 | | 2390.000 | 44.08 | -2.04 | 42.04 | -31.96 | 74.00 | 130 | 45 | Peak |
| 3 | | 2402.000 | 98.93 | -2.00 | 96.93 | N/A | N/A | 130 | 45 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 0_Right ear | Test Voltage | By Notebook PC |

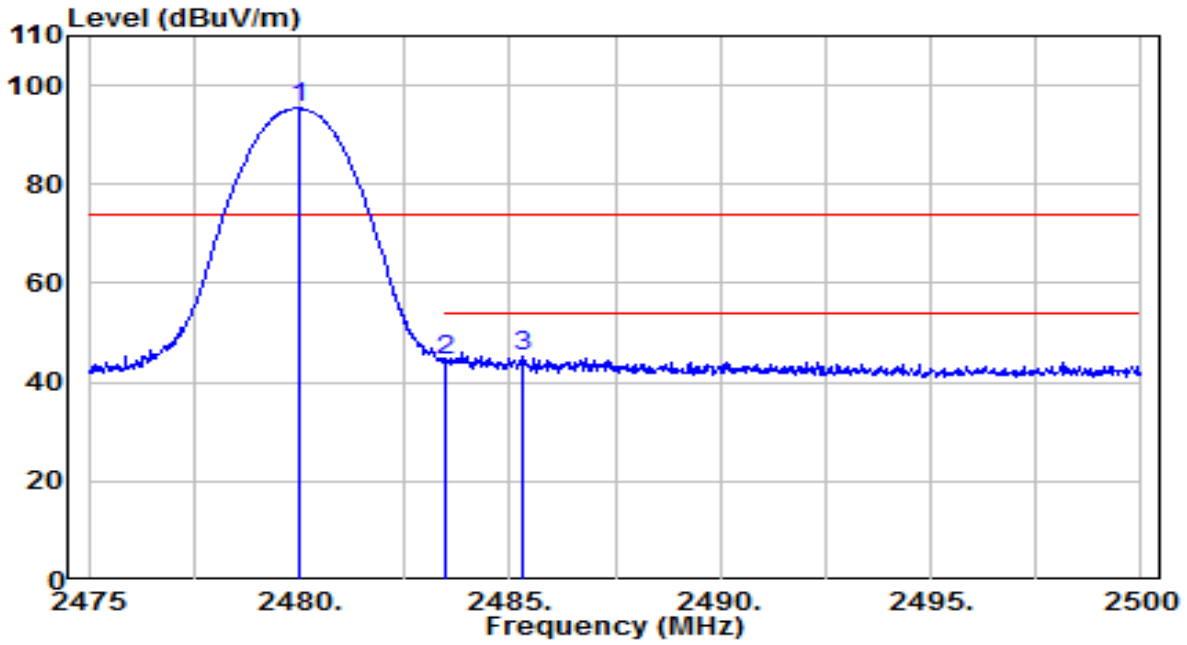



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 2372.000 | 51.26 | -2.09 | 49.17 | -24.83 | 74.00 | 220 | 265 | Peak |
| 2 | | 2390.000 | 47.78 | -2.04 | 45.74 | -28.26 | 74.00 | 220 | 265 | Peak |
| 3 | | 2402.000 | 103.18 | -2.00 | 101.18 | N/A | N/A | 220 | 265 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Horizontal | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |

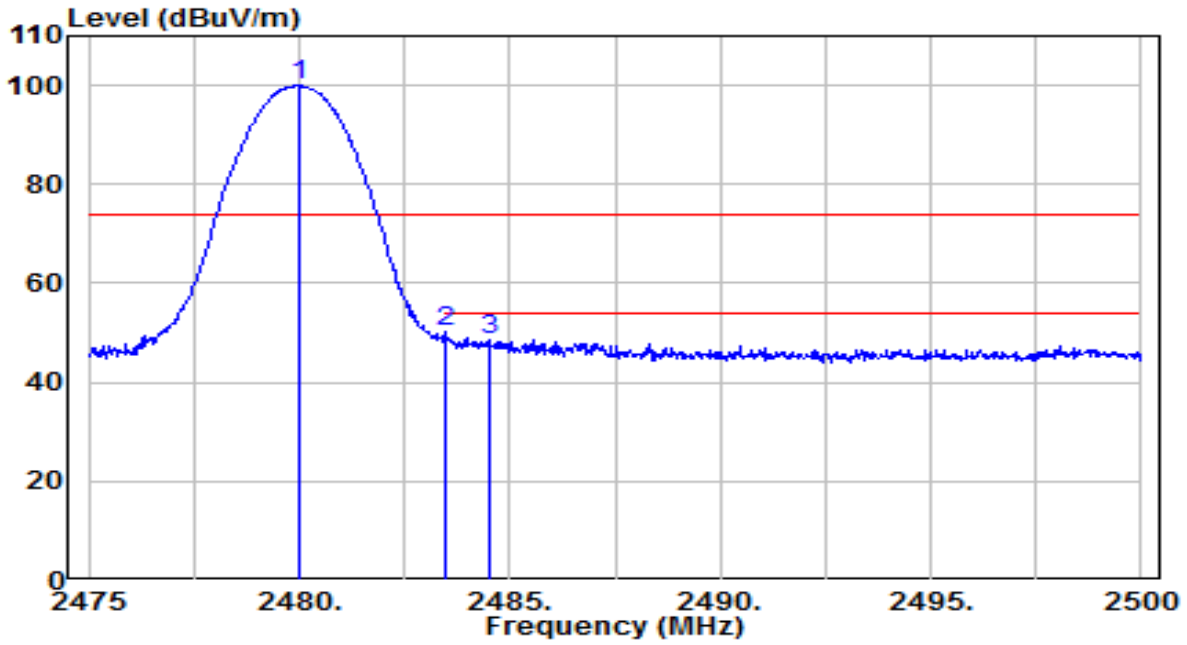



| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2479.975 | 97.14 | -1.75 | 95.38 | N/A | N/A | 155 | 150 | Peak |
| 2 | | 2483.500 | 46.34 | -1.74 | 44.60 | -29.40 | 74.00 | 155 | 150 | Peak |
| 3 | * | 2485.325 | 46.86 | -1.74 | 45.13 | -28.87 | 74.00 | 155 | 150 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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 Earphone | Date of Test | 2022-08-18 |
|---|---|---|---|
| Factor | BBHA 9120D | Temp. / Humidity | 25°C /61% |
| Polarity | Vertical | Site / Test Engineer | AC1 / Kaunaz |
| Test Mode | SRD 2.4G_TX_3Mbps_CH 78_Right ear | Test Voltage | By Notebook PC |




| 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 | | 2479.975 | 101.68 | -1.75 | 99.93 | N/A | N/A | 115 | 225 | Peak |
| 2 | * | 2483.500 | 51.77 | -1.74 | 50.03 | -23.97 | 74.00 | 115 | 225 | Peak |
| 3 | | 2484.525 | 50.24 | -1.74 | 48.50 | -25.50 | 74.00 | 115 | 225 | Peak |

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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.

## 7.10. AC Conducted Emissions Measurement

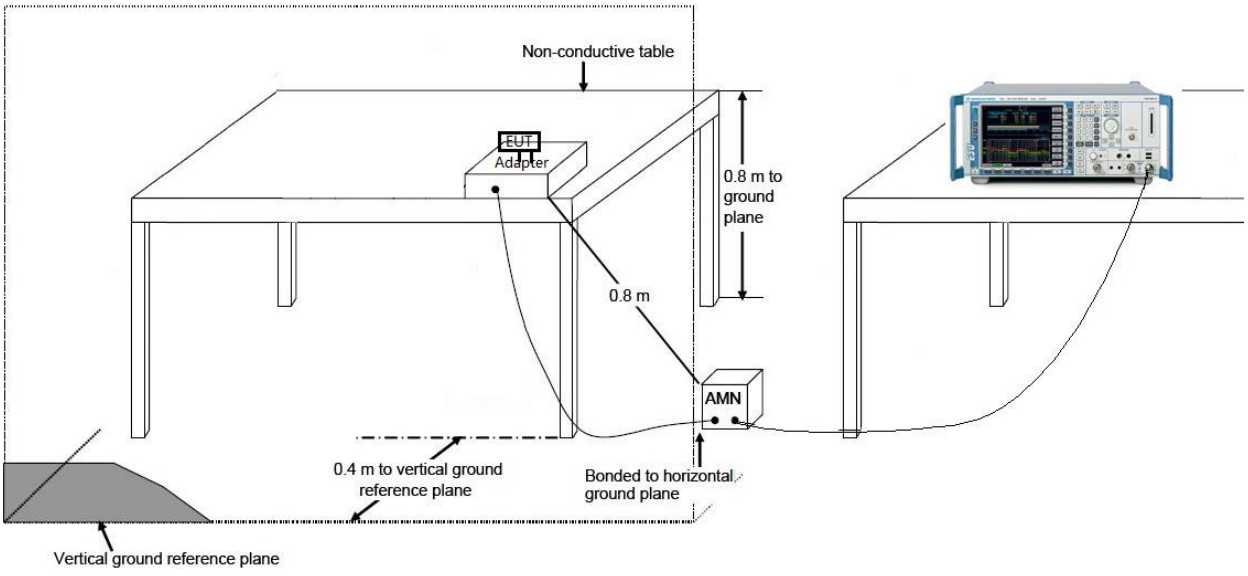
### 7.10.1. Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits | | |
|---|---|---|
| Frequency (MHz) | QP (dBμV) | Average (dBμV) |
| 0.15 - 0.50 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30 | 60 | 50 |

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

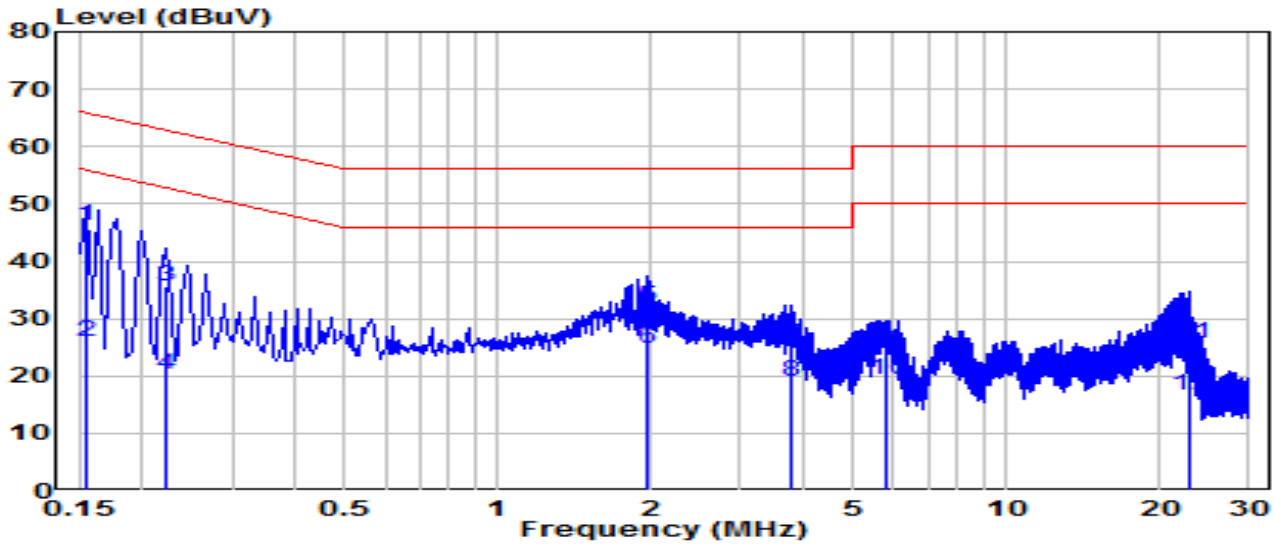
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.10.2. Test Setup



### 7.10.3. Test Result

| EUT | Wireless Earphones | Date of Test | 2022-08-12 |
|---|---|---|---|
| Factor | CE_ENV216-L1 (Filter ON) | Temp. / Humidity | 26.1°C /51% |
| Polarity | Line1 | Site / Test Engineer | SR2 / Amber |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |




| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 0.154 | 36.42 | 9.62 | 46.04 | -19.72 | 65.75 | QP |
| 2 | * | 0.154 | 16.40 | 9.62 | 26.02 | -29.74 | 55.75 | Average |
| 3 | | 0.222 | 26.09 | 9.62 | 35.71 | -27.03 | 62.74 | QP |
| 4 | | 0.222 | 10.62 | 9.62 | 20.24 | -32.50 | 52.74 | Average |
| 5 | | 1.972 | 22.20 | 9.69 | 31.89 | -24.11 | 56.00 | QP |
| 6 | | 1.972 | 15.09 | 9.69 | 24.78 | -21.22 | 46.00 | Average |
| 7 | | 3.795 | 15.64 | 9.73 | 25.36 | -30.64 | 56.00 | QP |
| 8 | | 3.795 | 9.30 | 9.73 | 19.02 | -26.98 | 46.00 | Average |
| 9 | | 5.792 | 14.60 | 9.76 | 24.36 | -35.64 | 60.00 | QP |
| 10 | | 5.792 | 9.42 | 9.76 | 19.18 | -30.82 | 50.00 | Average |
| 11 | | 23.012 | 15.76 | 9.92 | 25.68 | -34.32 | 60.00 | QP |
| 12 | | 23.012 | 6.67 | 9.92 | 16.59 | -33.41 | 50.00 | Average |

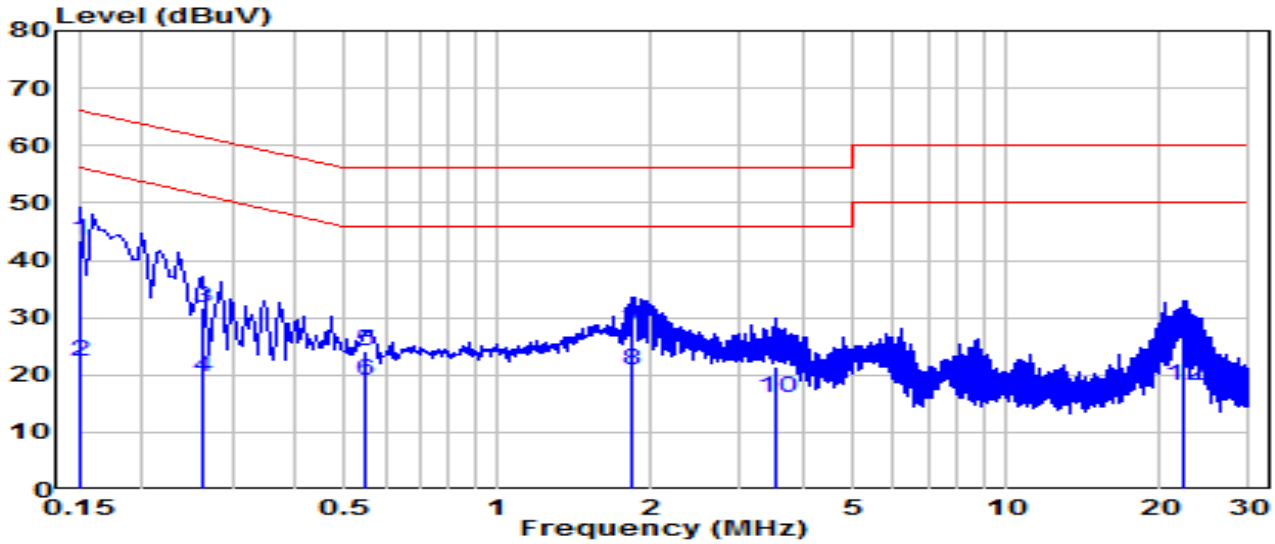
Note:

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 | Wireless Earphones | Date of Test | 2022-08-12 |
|---|---|---|---|
| Factor | CE_ENV216-N (Filter ON) | Temp. / Humidity | 26.1°C /51% |
| Polarity | Neutral | Site / Test Engineer | SR2 / Amber |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Left ear | Test Voltage | By Notebook PC |




| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 0.150 | 33.76 | 9.62 | 43.38 | -22.62 | 66.00 | QP |
| 2 | * | 0.150 | 12.71 | 9.62 | 22.33 | -33.67 | 56.00 | Average |
| 3 | | 0.262 | 21.94 | 9.63 | 31.57 | -29.78 | 61.35 | QP |
| 4 | | 0.262 | 9.87 | 9.63 | 19.50 | -31.85 | 51.35 | Average |
| 5 | | 0.550 | 14.62 | 9.64 | 24.26 | -31.74 | 56.00 | QP |
| 6 | | 0.550 | 9.34 | 9.64 | 18.99 | -27.01 | 46.00 | Average |
| 7 | | 1.824 | 17.87 | 9.69 | 27.56 | -28.44 | 56.00 | QP |
| 8 | | 1.824 | 11.04 | 9.69 | 20.73 | -25.27 | 46.00 | Average |
| 9 | | 3.525 | 11.63 | 9.72 | 21.35 | -34.65 | 56.00 | QP |
| 10 | | 3.525 | 6.33 | 9.72 | 16.05 | -29.95 | 46.00 | Average |
| 11 | | 22.315 | 15.91 | 10.01 | 25.92 | -34.08 | 60.00 | QP |
| 12 | | 22.315 | 8.25 | 10.01 | 18.25 | -31.75 | 50.00 | Average |

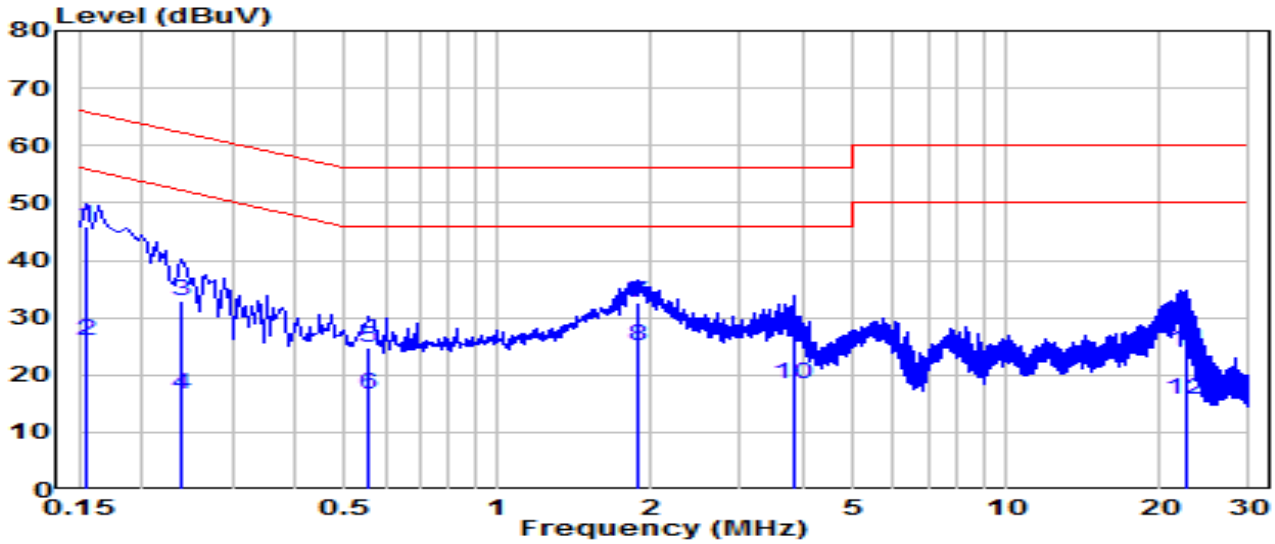
Note:

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 | Wireless Earphones | Date of Test | 2022-08-12 |
|---|---|---|---|
| Factor | CE_ENV216-L1 (Filter ON) | Temp. / Humidity | 26.1°C /51% |
| Polarity | Line1 | Site / Test Engineer | SR2 / Amber |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |




| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 0.154 | 36.40 | 9.62 | 46.03 | -19.73 | 65.75 | QP |
| 2 | * | 0.154 | 16.38 | 9.62 | 26.00 | -29.75 | 55.75 | Average |
| 3 | | 0.240 | 23.26 | 9.63 | 32.89 | -29.21 | 62.10 | QP |
| 4 | | 0.240 | 7.07 | 9.63 | 16.70 | -35.40 | 52.10 | Average |
| 5 | | 0.559 | 15.01 | 9.65 | 24.66 | -31.34 | 56.00 | QP |
| 6 | | 0.559 | 7.11 | 9.65 | 16.75 | -29.25 | 46.00 | Average |
| 7 | | 1.896 | 22.87 | 9.69 | 32.56 | -23.44 | 56.00 | QP |
| 8 | | 1.896 | 15.26 | 9.69 | 24.95 | -21.05 | 46.00 | Average |
| 9 | | 3.804 | 16.01 | 9.73 | 25.74 | -30.26 | 56.00 | QP |
| 10 | | 3.804 | 8.59 | 9.73 | 18.32 | -27.68 | 46.00 | Average |
| 11 | | 22.459 | 14.20 | 9.92 | 24.12 | -35.88 | 60.00 | QP |
| 12 | | 22.459 | 5.73 | 9.92 | 15.65 | -34.35 | 50.00 | Average |

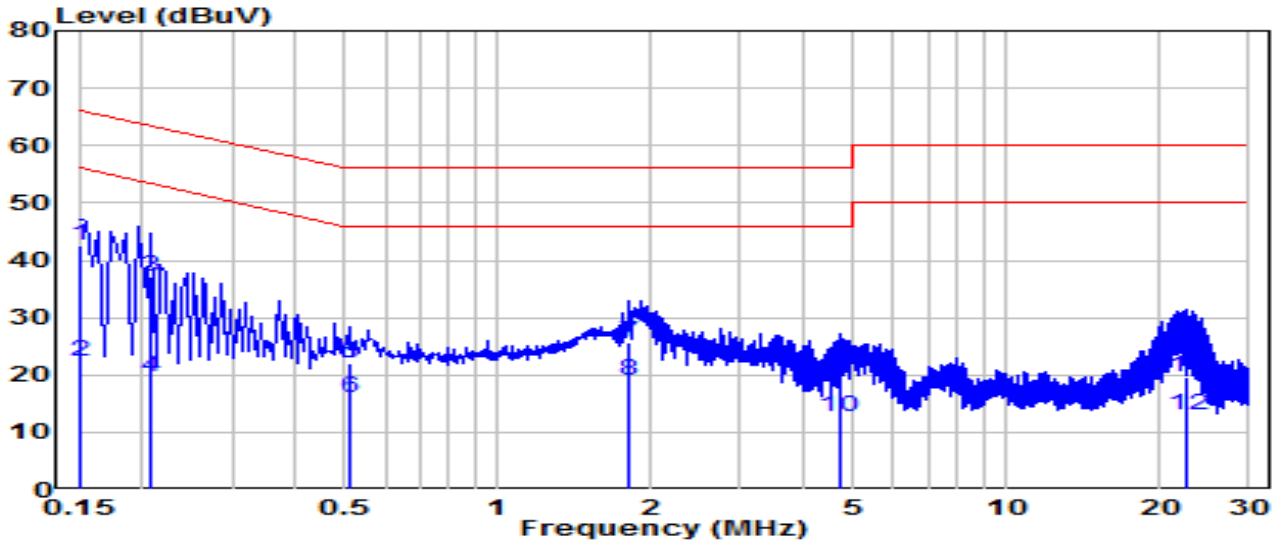
Note:

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 | Wireless Earphones | Date of Test | 2022-08-12 |
|---|---|---|---|
| Factor | CE_ENV216-N (Filter ON) | Temp. / Humidity | 26.1°C /51% |
| Polarity | Neutral | Site / Test Engineer | SR2 / Amber |
| Test Mode | SRD 2.4G_TX_1Mbps_CH 39_Right ear | Test Voltage | By Notebook PC |




| No | | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 0.150 | 32.89 | 9.62 | 42.51 | -23.49 | 66.00 | QP |
| 2 | * | 0.150 | 12.85 | 9.62 | 22.47 | -33.53 | 56.00 | Average |
| 3 | | 0.208 | 27.50 | 9.62 | 37.13 | -26.14 | 63.27 | QP |
| 4 | | 0.208 | 9.93 | 9.62 | 19.55 | -33.71 | 53.27 | Average |
| 5 | | 0.514 | 12.35 | 9.64 | 22.00 | -34.00 | 56.00 | QP |
| 6 | | 0.514 | 6.26 | 9.64 | 15.90 | -30.10 | 46.00 | Average |
| 7 | | 1.806 | 15.88 | 9.69 | 25.56 | -30.44 | 56.00 | QP |
| 8 | | 1.806 | 9.35 | 9.69 | 19.04 | -26.96 | 46.00 | Average |
| 9 | | 4.681 | 11.04 | 9.74 | 20.78 | -35.22 | 56.00 | QP |
| 10 | | 4.681 | 3.02 | 9.74 | 12.76 | -33.24 | 46.00 | Average |
| 11 | | 22.517 | 9.71 | 10.01 | 19.72 | -40.28 | 60.00 | QP |
| 12 | | 22.517 | 2.95 | 10.01 | 12.96 | -37.04 | 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 **Wireless Earphones, FCC ID: RWO-459** is in compliance with Part 15C of the FCC Rules.

The End