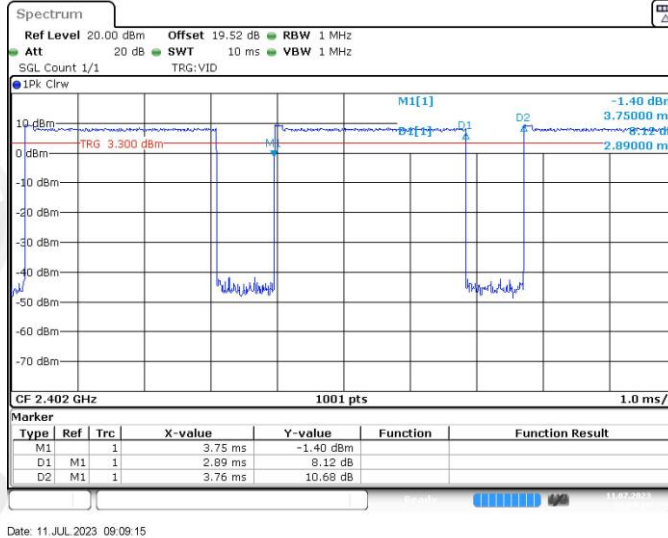
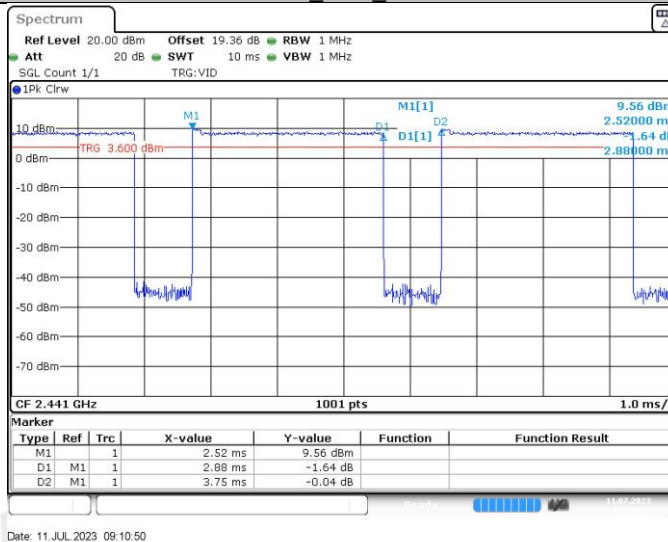


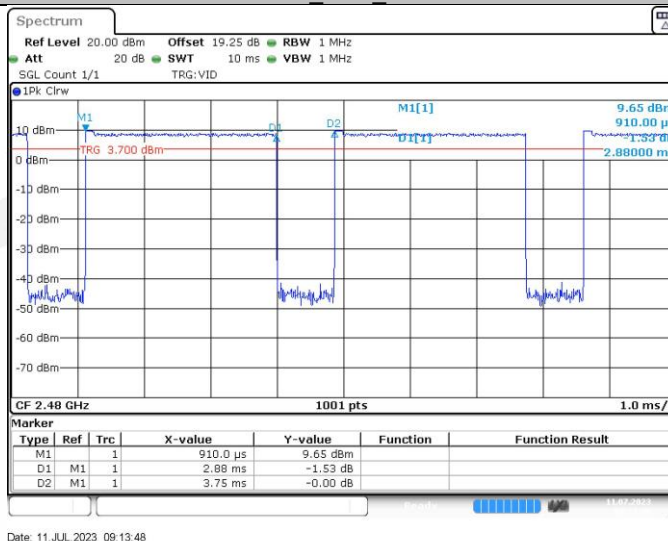
## 2DH5\_Ant1\_2402



## 2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480

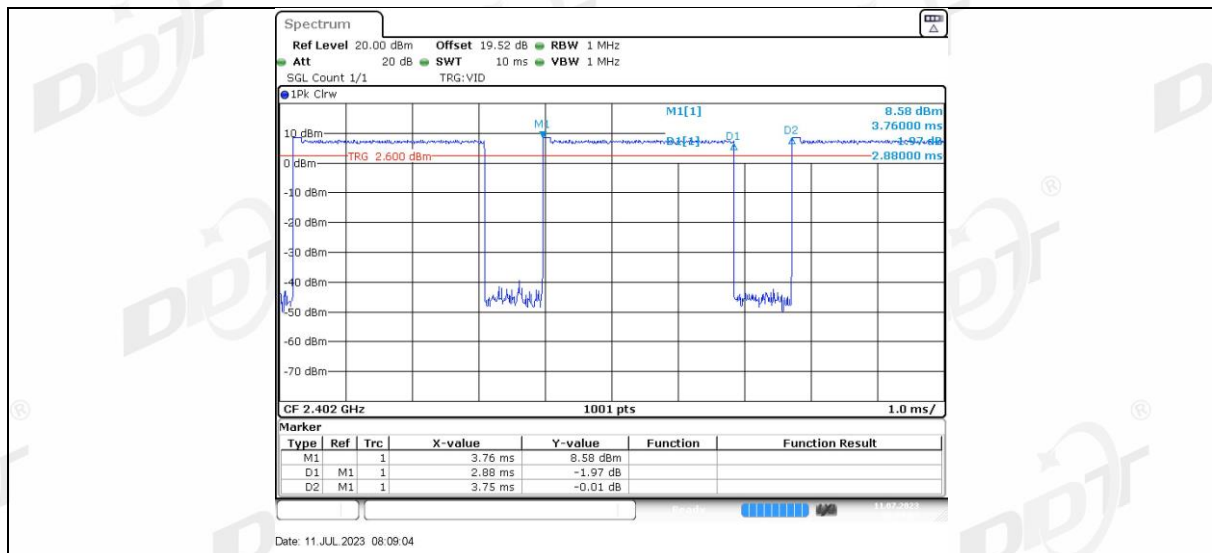


## 3DH5\_Ant1\_2402

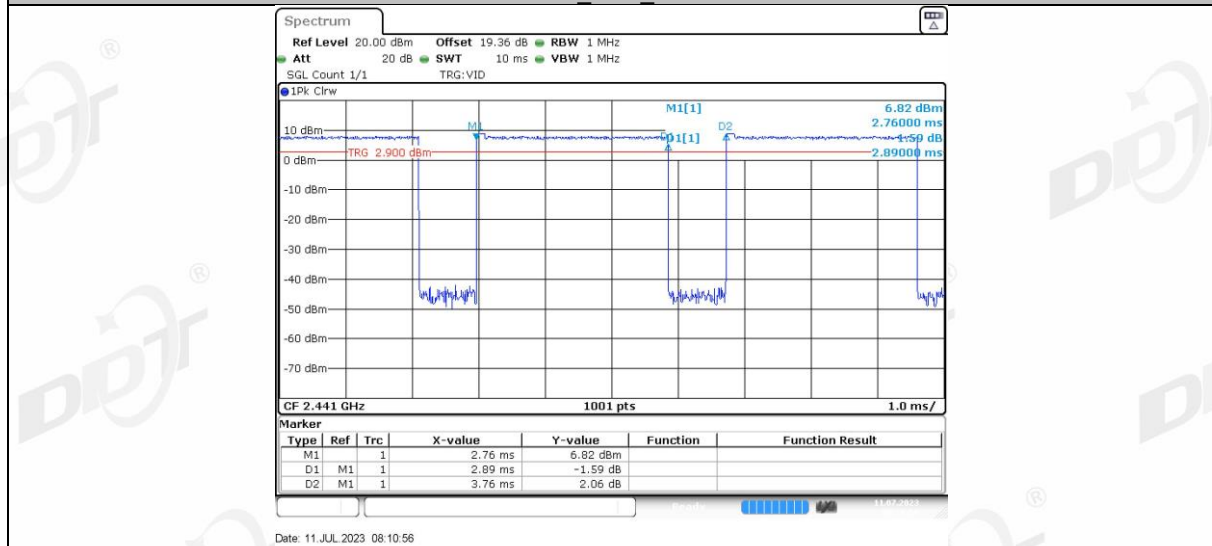


Right side:

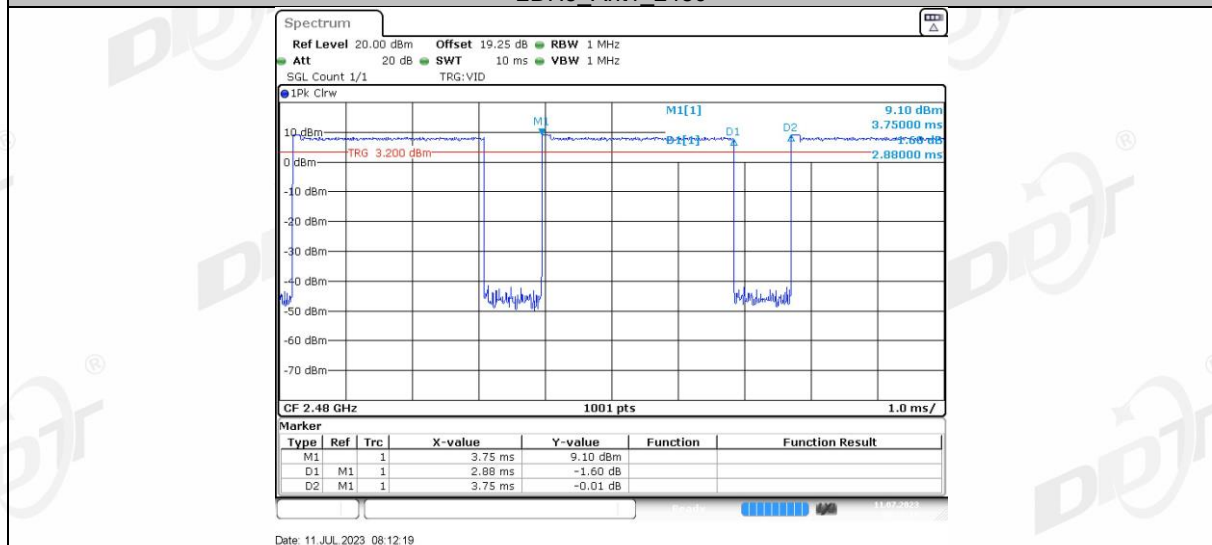




## 2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480



## 3DH5\_Ant1\_2402

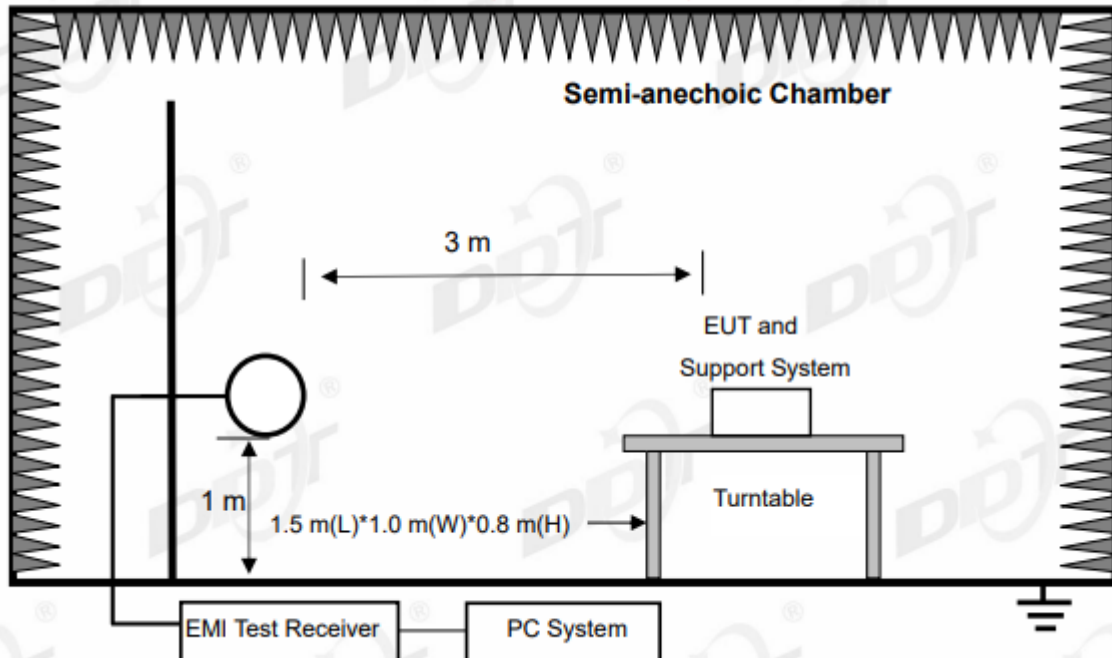




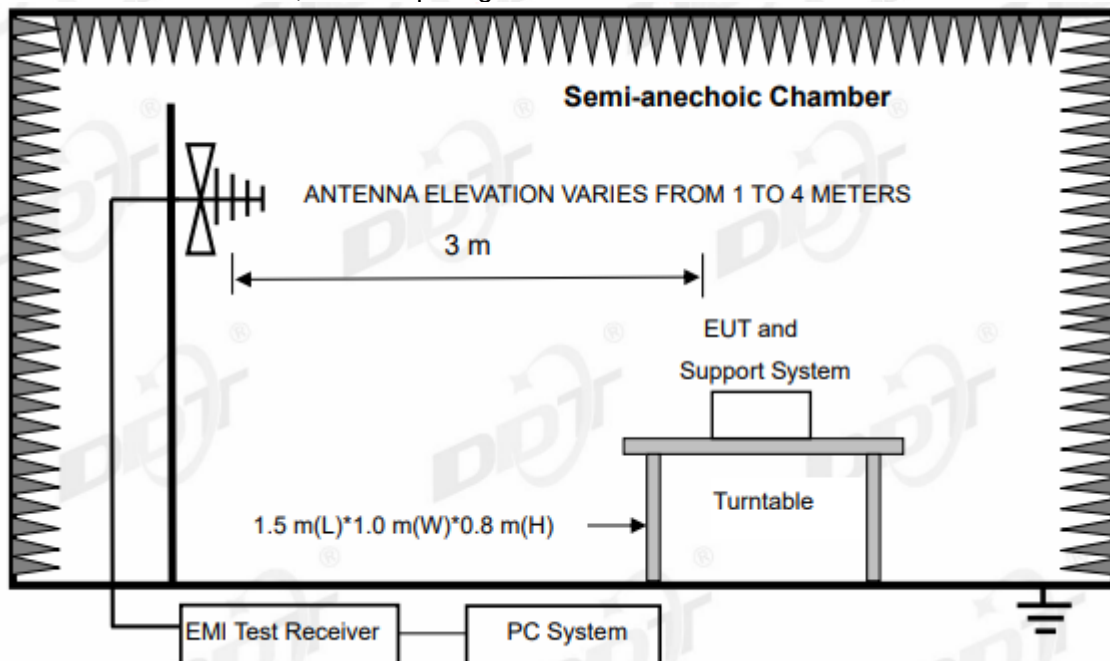
### 13. Radiated Emission

#### 13.1. Block diagram of test setup

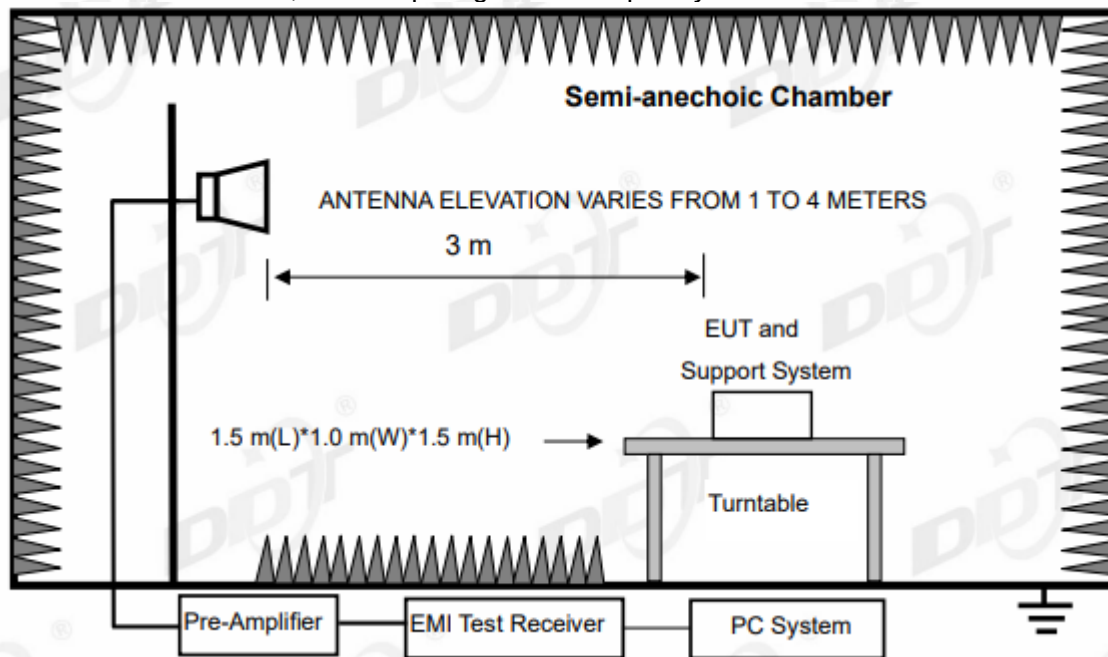
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

### 13.2. Limit

(1) FCC 15.205 Restricted frequency band

| MHz                      | MHz                 | MHz           | GHz              |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110              | 16.42-16.423        | 399.9-410     | 4.5-5.15         |
| <sup>1</sup> 0.495-0.505 | 16.69475-16.69525   | 608-614       | 5.35-5.46        |
| 2.1735-2.1905            | 16.80425-16.80475   | 960-1240      | 7.25-7.75        |
| 4.125-4.128              | 25.5-25.67          | 1300-1427     | 8.025-8.5        |
| 4.1772&4.17775           | 37.5-38.25          | 1435-1626.5   | 9.0-9.2          |
| 4.2072&4.20775           | 73-74.6             | 1645.5-1646.5 | 9.3-9.5          |
| 6.215-6.218              | 74.8-75.2           | 1660-1710     | 10.6-12.7        |
| 6.26775-6.26825          | 108-121.94          | 1718.8-1722.2 | 13.25-13.4       |
| 6.31175-6.31225          | 123-138             | 2200-2300     | 14.47-14.5       |
| 8.291-8.294              | 149.9-150.05        | 2310-2390     | 15.35-16.2       |
| 8.362-8.366              | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4        |
| 8.37625-8.38675          | 156.7-156.9         | 2690-2900     | 22.01-23.12      |
| 8.41425-8.41475          | 162.0125-167.17     | 3260-3267     | 23.6-24.0        |
| 12.29-12.293             | 167.72-173.2        | 3332-3339     | 31.2-31.8        |
| 12.51975-12.52025        | 240-285             | 3345.8-3358   | 36.43-36.5       |
| 12.57675-12.57725        | 322-335.4           | 3600-4400     | ( <sup>2</sup> ) |
| 13.36-13.41              |                     |               |                  |

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

<sup>2</sup>Above 38.6

## RSS-Gen section 8.10 Restricted frequency bands\*

| MHz             | MHz                 | MHz           | GHz         |
|-----------------|---------------------|---------------|-------------|
| 0.090-0.110     | 12.51975-12.52025   | 240-285       | 3.5-4.4     |
| 0.495-0.505     | 12.57675-12.57725   | 322-335.4     | 4.5-5.15    |
| 2.1735-2.1905   | 13.36-13.41         | 399.9-410     | 5.35-5.46   |
| 3.020-3.026     | 16.42-16.423        | 608-614       | 7.25-7.75   |
| 4.125-4.128     | 16.69475-16.69525   | 960-1427      | 8.025-8.5   |
| 4.1772&4.17775  | 16.80425-16.80475   | 1435-1626.5   | 9.0-9.2     |
| 4.2072&4.20775  | 25.5-25.67          | 1645.5-1646.5 | 9.3-9.5     |
| 5.677-5.683     | 37.5-38.25          | 1660-1710     | 10.6-12.7   |
| 6.215-6.218     | 73-74.6             | 1718.8-1722.2 | 13.25-13.4  |
| 6.26775-6.26825 | 74.8-75.2           | 2200-2300     | 14.47-14.5  |
| 6.31175-6.31225 | 108-138             | 2310-2390     | 15.35-16.2  |
| 8.291-8.294     | 149.9-150.05        | 2483.5-2500   | 17.7-21.4   |
| 8.362-8.366     | 156.52475-156.52525 | 2655-2900     | 22.01-23.12 |
| 8.37625-8.38675 | 156.7-156.9         | 3260-3267     | 23.6-24.0   |
| 8.41425-8.41475 | 162.0125-167.17     | 3332-3339     | 31.2-31.8   |
| 12.29-12.293    | 167.72-173.2        | 3345.8-3358   | 36.43-36.5  |
|                 |                     |               | Above 38.6  |

\* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

## (2) FCC 15.209 Limit &amp; RSS-Gen section 8.9 Limit

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                           |               |
|------------------|--------------------|-------------------------------------------------|---------------|
|                  |                    | μV/m                                            | dB(μV)/m      |
| 0.009 ~ 0.490    | 300                | 2400/F(kHz)                                     | 67.6-20log(F) |
| 0.490 ~ 1.705    | 30                 | 24000/F(kHz)                                    | 87.6-20log(F) |
| 1.705 ~ 30.0     | 30                 | 30                                              | 29.54         |
| 30 ~ 88          | 3                  | 100                                             | 40.0          |
| 88 ~ 216         | 3                  | 150                                             | 43.5          |
| 216 ~ 960        | 3                  | 200                                             | 46.0          |
| 960 ~ 1000       | 3                  | 500                                             | 54.0          |
| Above 1000       | 3                  | 74.0 dB(μV)/m (Peak)<br>54.0 dB(μV)/m (Average) |               |

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30m}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$



## (3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

**13.3. Test Procedure**

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

| Test frequency range | Test antenna used                              | Test antenna distance |
|----------------------|------------------------------------------------|-----------------------|
| 9 kHz - 30 MHz       | Active Loop antenna                            | 3 m                   |
| 30 MHz - 1 GHz       | Trilog Broadband Antenna                       | 3 m                   |
| 1 GHz - 18 GHz       | Double Ridged Horn Antenna<br>(1 GHz - 18 GHz) | 3 m                   |
| 18 GHz - 40 GHz      | Horn Antenna<br>(18 GHz - 40 GHz)              | 1 m                   |

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was

investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

- (4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.
- (5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

| Frequency band   | RBW     |
|------------------|---------|
| 9 kHz - 150 kHz  | 200 Hz  |
| 150 kHz - 30 MHz | 9 kHz   |
| 30 MHz - 1 GHz   | 120 kHz |

- (7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.
- (8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

### 13.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: 30 MHz ~ 25 GHz: (Scan with GFSK,  $\pi/4$ -DQPSK and 8DPSK, the worst case is 8DPSK Mode)

Note3: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 8DPSK, Tx 2480 MHz mode.

Note4: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

## Radiated Emission test (below 1 GHz)

## TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-07-13

Tested By: Bairong

EUT: WIRELESS HEADPHONES

Model Number: HA-NP50T

Test Mode: Tx mode

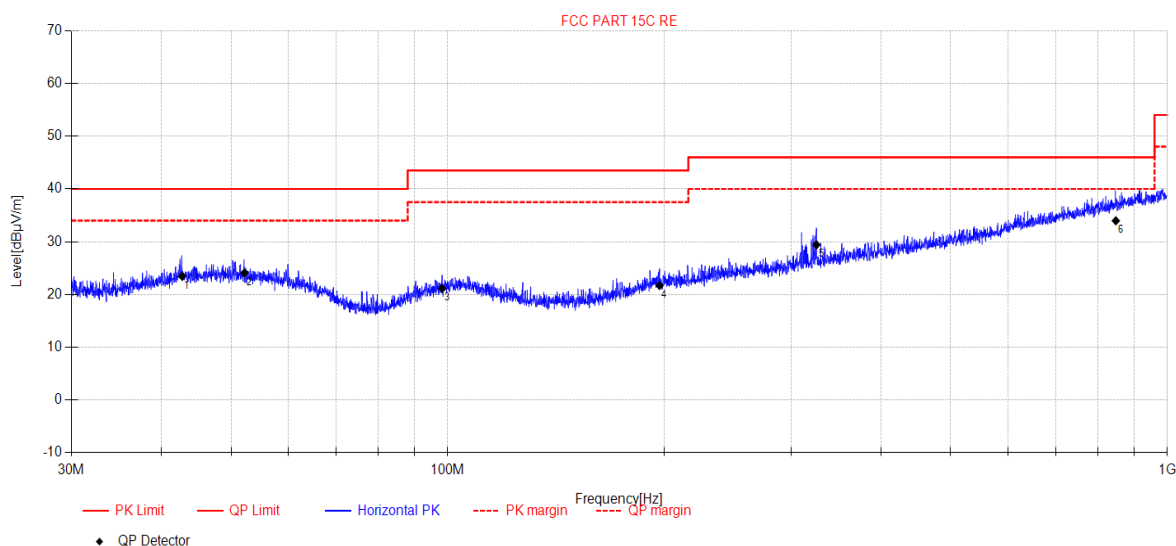
Power Supply: Battery

Condition: Temp:23°C;Humi:64.6%

Test Site: DDT 3# Chamber

File Path: d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC BELOW 1G\20230713-005005\_H

Memo: Left side

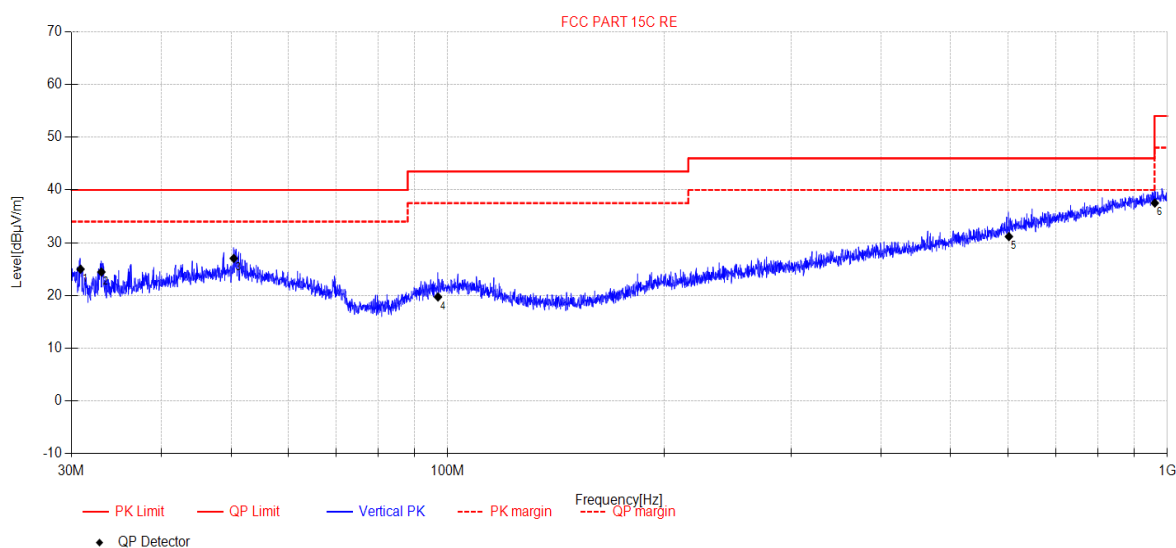


| Final Data List |             |                  |                     |                 |          |                 |                |             |          |            |
|-----------------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|------------|
| NO.             | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 42.78       | 6.15             | 12.66               | 4.64            | 0.00     | 23.45           | 40.00          | 16.55       | QP       | Horizontal |
| 2               | 52.20       | 6.38             | 12.98               | 4.74            | 0.00     | 24.10           | 40.00          | 15.90       | QP       | Horizontal |
| 3               | 98.26       | 5.37             | 10.73               | 5.05            | 0.00     | 21.15           | 43.50          | 22.35       | QP       | Horizontal |
| 4               | 196.99      | 5.39             | 10.60               | 5.71            | 0.00     | 21.70           | 43.50          | 21.80       | QP       | Horizontal |
| 5               | 325.44      | 9.13             | 14.01               | 6.29            | 0.00     | 29.43           | 46.00          | 16.57       | QP       | Horizontal |
| 6               | 848.08      | 3.96             | 21.86               | 8.15            | 0.00     | 33.97           | 46.00          | 12.03       | QP       | Horizontal |

## Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

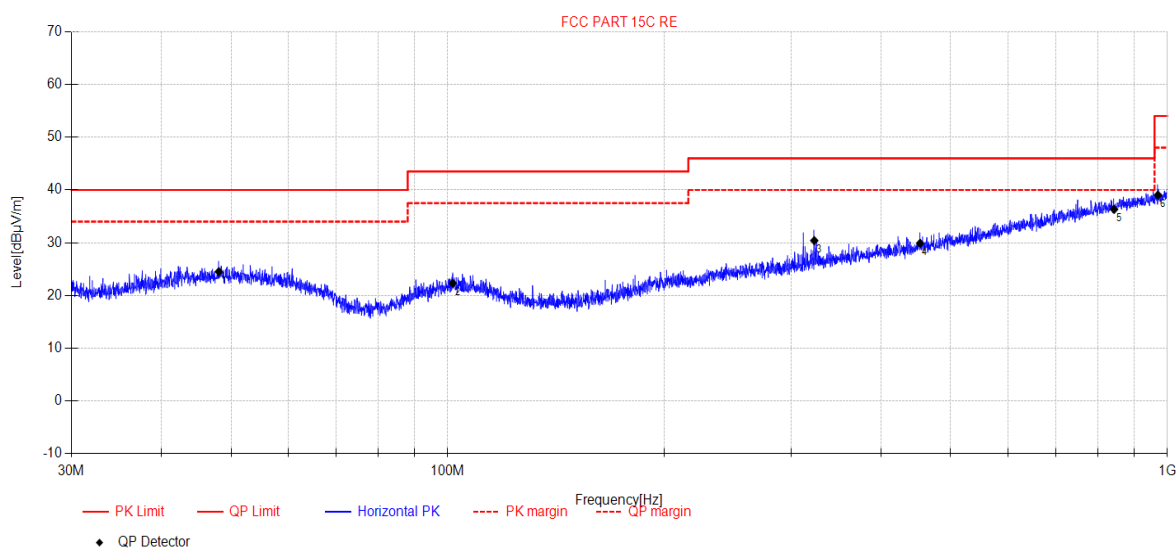
**Test Date:** 2023-07-13**Tested By:** Bairong**EUT:** WIRELESS HEADPHONES**Model Number:** HA-NP50T**Test Mode:** Tx mode**Power Supply:** Battery**Condition:** Temp:23°C;Humi:64.6%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC BELOW 1G\20230713-005050\_V**Memo:** Left side

| Final Data List |             |                  |                     |                 |          |                 |                |             |          |          |
|-----------------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|----------|
| NO.             | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 30.90       | 10.21            | 10.29               | 4.48            | 0.00     | 24.98           | 40.00          | 15.02       | QP       | Vertical |
| 2               | 33.02       | 9.54             | 10.40               | 4.51            | 0.00     | 24.45           | 40.00          | 15.55       | QP       | Vertical |
| 3               | 50.44       | 9.2              | 13.10               | 4.73            | 0.00     | 27.03           | 40.00          | 12.97       | QP       | Vertical |
| 4               | 96.96       | 4.09             | 10.60               | 5.03            | 0.00     | 19.72           | 43.50          | 23.78       | QP       | Vertical |
| 5               | 602.33      | 5.13             | 18.70               | 7.34            | 0.00     | 31.17           | 46.00          | 14.83       | QP       | Vertical |
| 6               | 960.82      | 6.24             | 22.72               | 8.55            | 0.00     | 37.51           | 54.00          | 16.49       | QP       | Vertical |

**Note:**

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-13**Tested By:** Bairong**EUT:** WIRELESS HEADPHONES**Model Number:** HA-NP50T**Test Mode:** Tx mode**Power Supply:** Battery**Condition:** Temp:23°C;Humi:64.6%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC BELOW 1G\20230713-004439\_H**Memo:** Right side

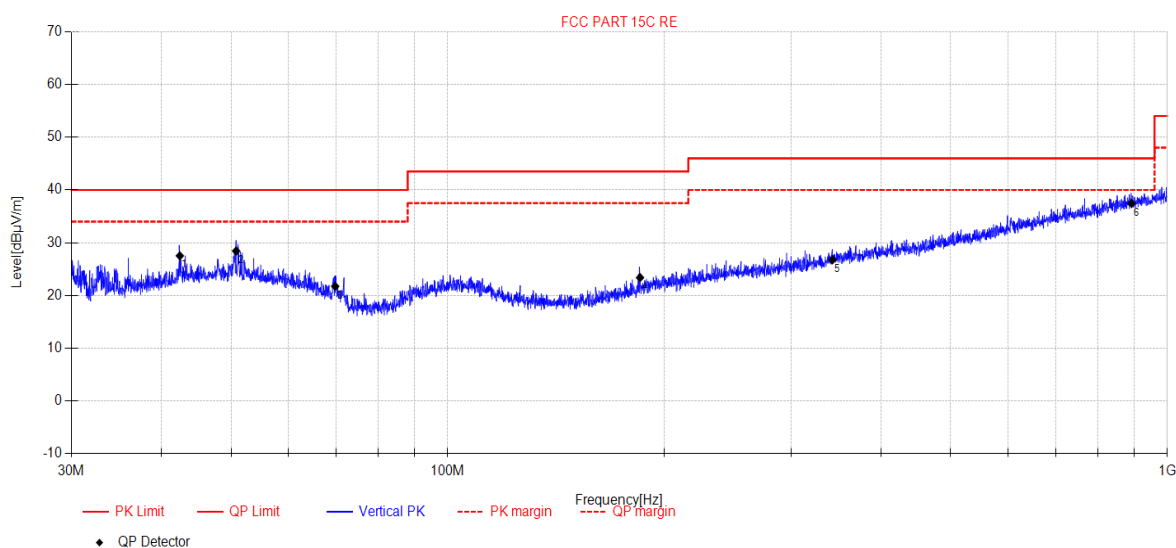
| Final Data List |             |                  |                     |                 |          |                 |                |             |          |            |
|-----------------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|------------|
| NO.             | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 48.09       | 6.6              | 13.20               | 4.71            | 0.00     | 24.51           | 40.00          | 15.49       | QP       | Horizontal |
| 2               | 101.69      | 6.23             | 11.00               | 5.08            | 0.00     | 22.31           | 43.50          | 21.19       | QP       | Horizontal |
| 3               | 323.17      | 10.2             | 13.93               | 6.28            | 0.00     | 30.41           | 46.00          | 15.59       | QP       | Horizontal |
| 4               | 453.43      | 6.91             | 16.17               | 6.82            | 0.00     | 29.90           | 46.00          | 16.10       | QP       | Horizontal |
| 5               | 843.34      | 6.39             | 21.80               | 8.14            | 0.00     | 36.33           | 46.00          | 9.67        | QP       | Horizontal |
| 6               | 970.30      | 7.63             | 22.80               | 8.59            | 0.00     | 39.02           | 54.00          | 14.98       | QP       | Horizontal |

**Note:**

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-13**Tested By:** Bairong**EUT:** WIRELESS HEADPHONES**Model Number:** HA-NP50T**Test Mode:** Tx mode**Power Supply:** Battery**Condition:** Temp:23°C;Humi:64.6%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC BELOW 1G\20230713-004520\_V**Memo:** Right side

| Final Data List |             |                  |                     |                 |          |                 |                |             |          |          |
|-----------------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|----------|
| NO.             | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 42.45       | 10.3             | 12.59               | 4.63            | 0.00     | 27.52           | 40.00          | 12.48       | QP       | Vertical |
| 2               | 50.83       | 10.6             | 13.10               | 4.73            | 0.00     | 28.43           | 40.00          | 11.57       | QP       | Vertical |
| 3               | 69.78       | 8.36             | 8.59                | 4.79            | 0.00     | 21.74           | 40.00          | 18.26       | QP       | Vertical |
| 4               | 185.07      | 7.97             | 9.80                | 5.61            | 0.00     | 23.38           | 43.50          | 20.12       | QP       | Vertical |
| 5               | 342.53      | 5.93             | 14.45               | 6.38            | 0.00     | 26.76           | 46.00          | 19.24       | QP       | Vertical |
| 6               | 892.00      | 6.73             | 22.40               | 8.31            | 0.00     | 37.44           | 46.00          | 8.56        | QP       | Vertical |

**Note:**

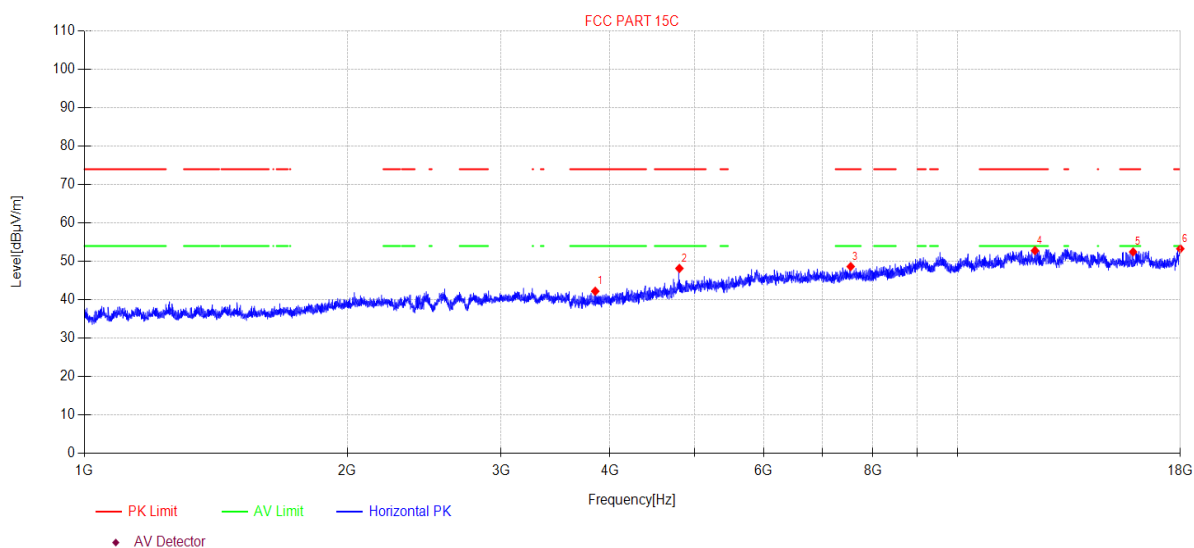
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## Radiated Emission test (above 1 GHz)

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12 **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES **Model Number:** HA-NP50T  
**Test Mode:** Tx mode **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\118  
**Memo:** 3DH5 2402 Left side

## Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| N O.                | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 3847.24     | 47.33            | 5.82            | 30.39               | -41.31   | 42.23          | 74.00          | 31.77       | PK       | Horizontal |
| 2                   | 4803.36     | 49.55            | 7.47            | 32.31               | -41.16   | 48.17          | 74.00          | 25.83       | PK       | Horizontal |
| 3                   | 7546.13     | 45.60            | 7.65            | 36.40               | -41.00   | 48.65          | 74.00          | 25.35       | PK       | Horizontal |
| 4                   | 12269.87    | 42.33            | 10.54           | 39.10               | -39.17   | 52.80          | 74.00          | 21.20       | PK       | Horizontal |
| 5                   | 15891.89    | 39.28            | 15.39           | 38.11               | -40.32   | 52.46          | 74.00          | 21.54       | PK       | Horizontal |
| 6                   | 18000.00    | 39.06            | 13.13           | 41.80               | -40.70   | 53.29          | 74.00          | 20.71       | PK       | Horizontal |

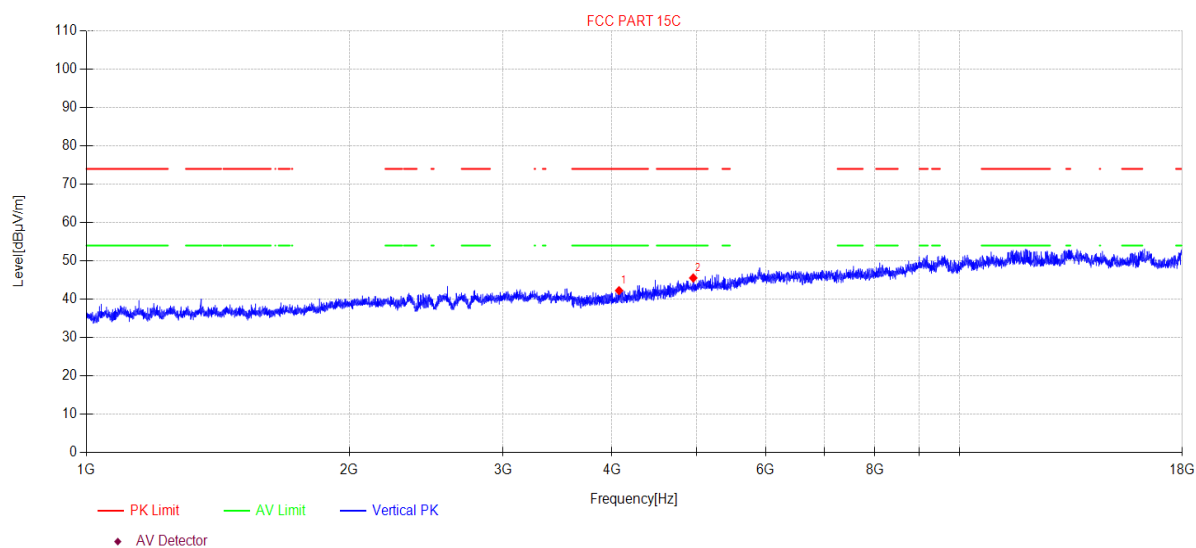
## Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\119  
**Memo:** 3DH5 2402 Left side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 4074.99     | 46.79            | 6.00            | 30.85               | -41.38   | 42.26          | 74.00          | 31.74       | PK       | Vertical |
| 2    | 4955.65     | 46.08            | 7.78            | 32.80               | -41.11   | 45.55          | 74.00          | 28.45       | PK       | Vertical |

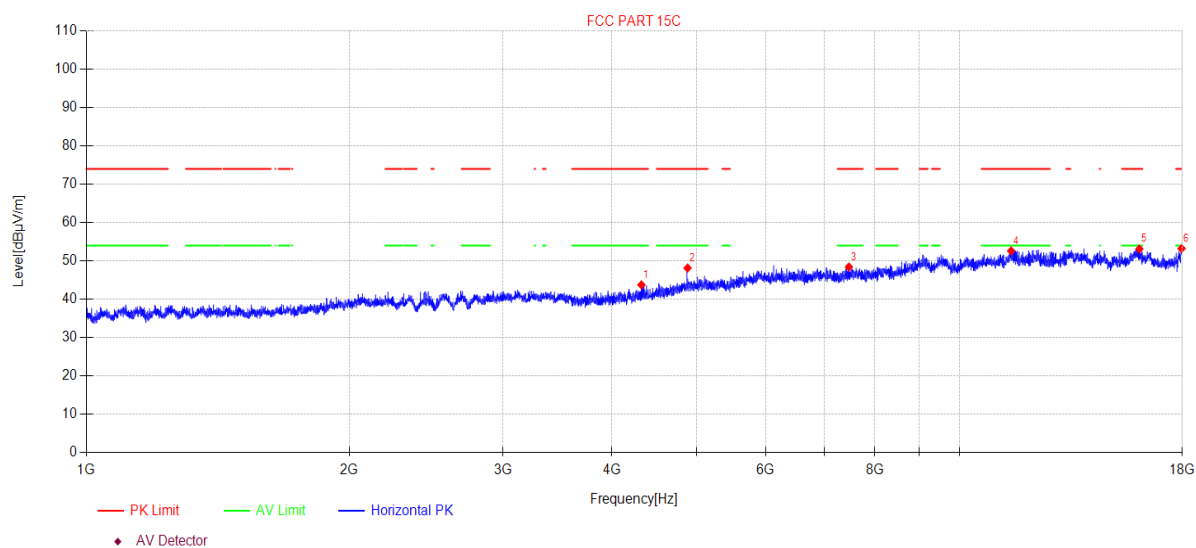
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\120  
**Memo:** 3DH5 2441 Left side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1    | 4322.47     | 47.23            | 6.50            | 31.34               | -41.30   | 43.77          | 74.00          | 30.23       | PK       | Horizontal |
| 2    | 4881.73     | 49.10            | 7.63            | 32.56               | -41.14   | 48.15          | 74.00          | 25.85       | PK       | Horizontal |
| 3    | 7470.18     | 45.32            | 7.64            | 36.46               | -41.00   | 48.42          | 74.00          | 25.58       | PK       | Horizontal |
| 4    | 11460.90    | 43.26            | 10.06           | 39.04               | -39.76   | 52.60          | 74.00          | 21.40       | PK       | Horizontal |
| 5    | 16072.03    | 40.08            | 15.60           | 37.83               | -40.39   | 53.12          | 74.00          | 20.88       | PK       | Horizontal |
| 6    | 17963.62    | 39.24            | 13.09           | 41.58               | -40.69   | 53.22          | 74.00          | 20.78       | PK       | Horizontal |

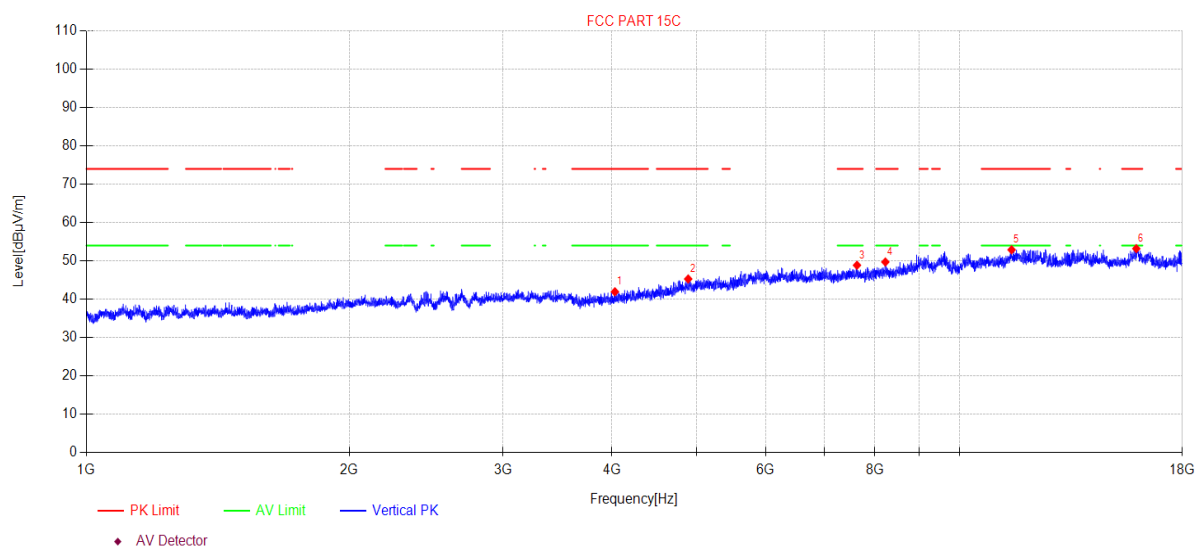
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\121  
**Memo:** 3DH5 2441 Left side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 4030.49     | 46.68            | 5.91            | 30.76               | -41.39   | 41.96          | 74.00          | 32.04       | PK       | Vertical |
| 2    | 4890.20     | 46.20            | 7.65            | 32.58               | -41.13   | 45.30          | 74.00          | 28.70       | PK       | Vertical |
| 3    | 7631.67     | 45.76            | 7.65            | 36.46               | -41.00   | 48.87          | 74.00          | 25.13       | PK       | Vertical |
| 4    | 8224.84     | 45.34            | 7.92            | 37.10               | -40.64   | 49.72          | 74.00          | 24.28       | PK       | Vertical |
| 5    | 11474.15    | 43.54            | 10.07           | 39.03               | -39.74   | 52.90          | 74.00          | 21.10       | PK       | Vertical |
| 6    | 15942.50    | 39.92            | 15.62           | 38.02               | -40.36   | 53.20          | 74.00          | 20.80       | PK       | Vertical |

### Note:

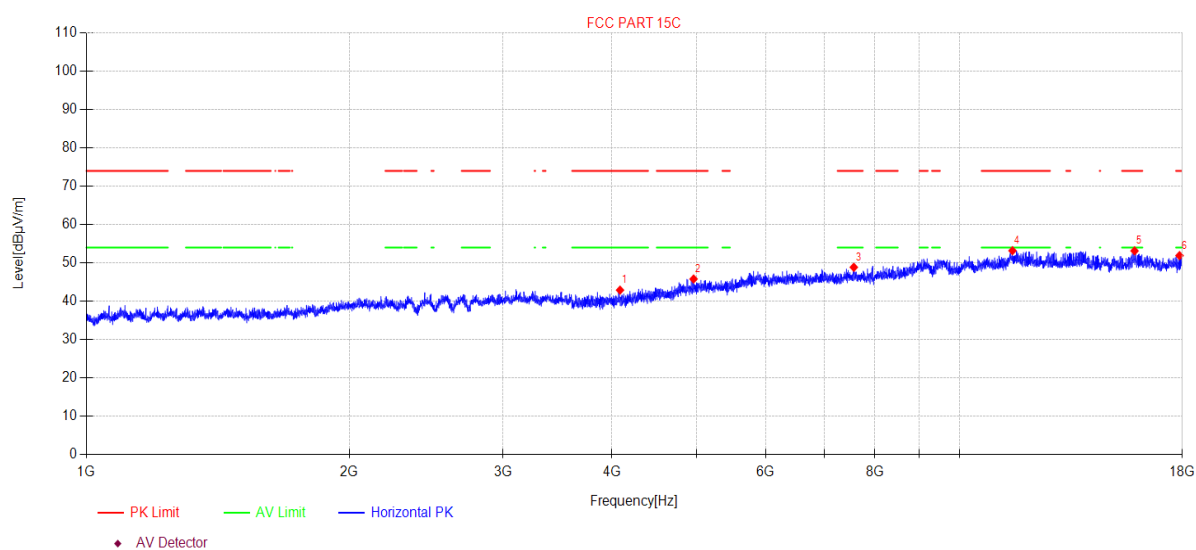
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\122  
**Memo:** 3DH5 2480 Left side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1    | 4085.61     | 47.40            | 6.02            | 30.87               | -41.37   | 42.92          | 74.00          | 31.08       | PK       | Horizontal |
| 2    | 4959.95     | 46.33            | 7.79            | 32.80               | -41.11   | 45.81          | 74.00          | 28.19       | PK       | Horizontal |
| 3    | 7567.97     | 45.82            | 7.65            | 36.40               | -41.00   | 48.87          | 74.00          | 25.13       | PK       | Horizontal |
| 4    | 11500.71    | 43.79            | 10.10           | 39.00               | -39.70   | 53.19          | 74.00          | 20.81       | PK       | Horizontal |
| 5    | 15868.95    | 40.03            | 15.29           | 38.13               | -40.31   | 53.14          | 74.00          | 20.86       | PK       | Horizontal |
| 6    | 17865.25    | 38.62            | 12.97           | 40.96               | -40.65   | 51.90          | 74.00          | 22.10       | PK       | Horizontal |

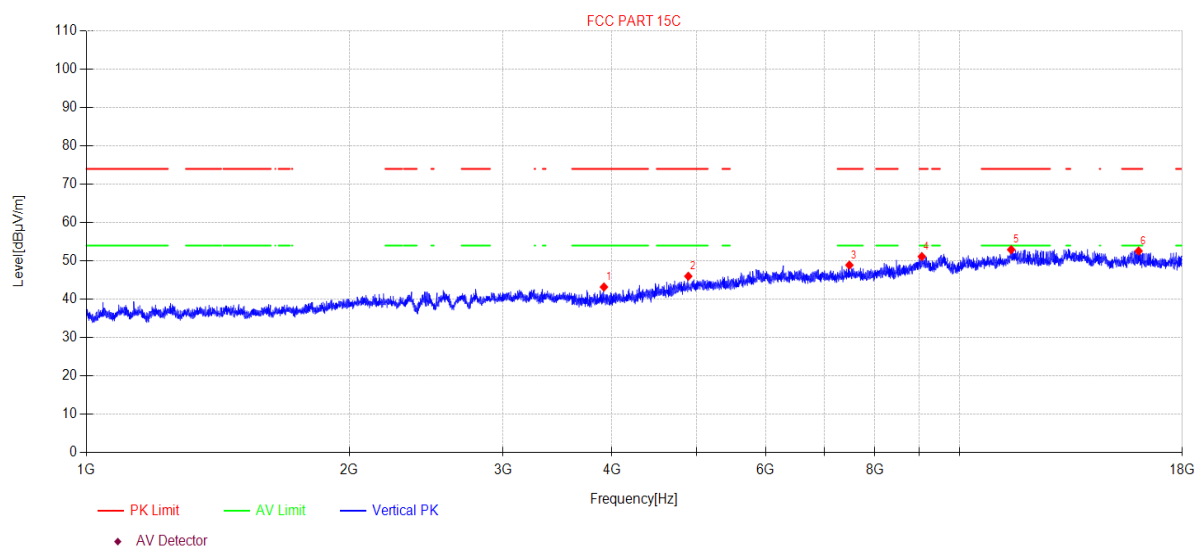
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\123  
**Memo:** 3DH5 2480 Left side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 3915.67     | 48.19            | 5.83            | 30.53               | -41.35   | 43.20          | 74.00          | 30.80       | PK       | Vertical |
| 2    | 4891.61     | 46.90            | 7.65            | 32.58               | -41.13   | 46.00          | 74.00          | 28.00       | PK       | Vertical |
| 3    | 7480.99     | 45.82            | 7.64            | 36.44               | -41.00   | 48.90          | 74.00          | 25.10       | PK       | Vertical |
| 4    | 9055.74     | 43.66            | 8.74            | 38.20               | -39.47   | 51.13          | 74.00          | 22.87       | PK       | Vertical |
| 5    | 11460.90    | 43.59            | 10.06           | 39.04               | -39.76   | 52.93          | 74.00          | 21.07       | PK       | Vertical |
| 6    | 16039.55    | 39.40            | 15.72           | 37.86               | -40.40   | 52.58          | 74.00          | 21.42       | PK       | Vertical |

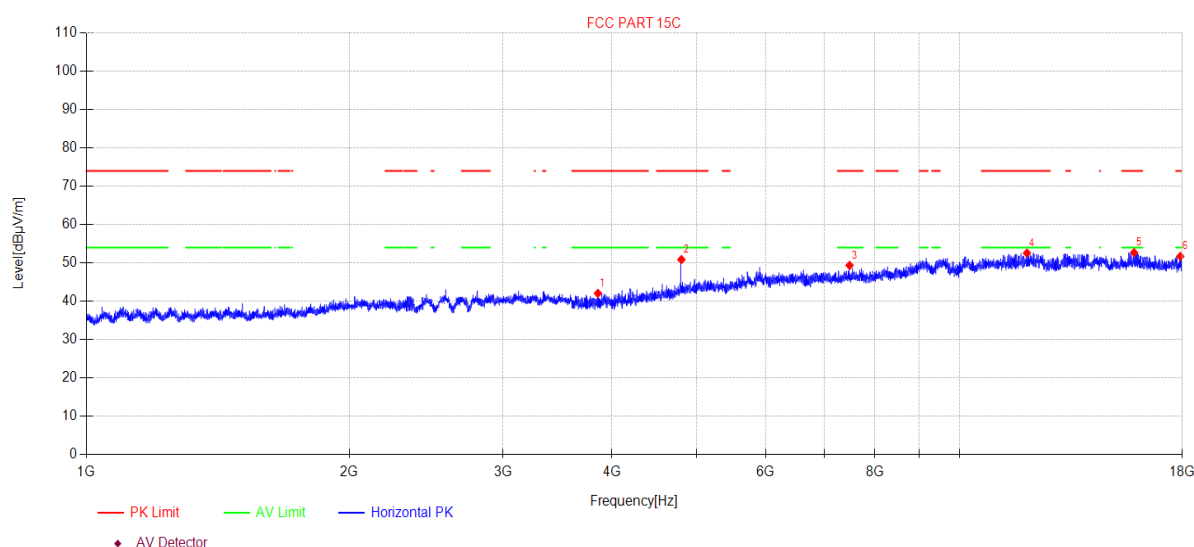
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\80  
**Memo:** 3DH5 2402 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1    | 3853.92     | 47.16            | 5.82            | 30.41               | -41.31   | 42.08          | 74.00          | 31.92       | PK       | Horizontal |
| 2    | 4803.36     | 52.25            | 7.47            | 32.31               | -41.16   | 50.87          | 74.00          | 23.13       | PK       | Horizontal |
| 3    | 7485.31     | 46.29            | 7.64            | 36.43               | -41.00   | 49.36          | 74.00          | 24.64       | PK       | Horizontal |
| 4    | 11947.93    | 42.21            | 10.49           | 38.85               | -38.98   | 52.57          | 74.00          | 21.43       | PK       | Horizontal |
| 5    | 15846.03    | 39.67            | 15.18           | 38.15               | -40.29   | 52.71          | 74.00          | 21.29       | PK       | Horizontal |
| 6    | 17901.43    | 38.14            | 13.01           | 41.21               | -40.66   | 51.70          | 74.00          | 22.30       | PK       | Horizontal |

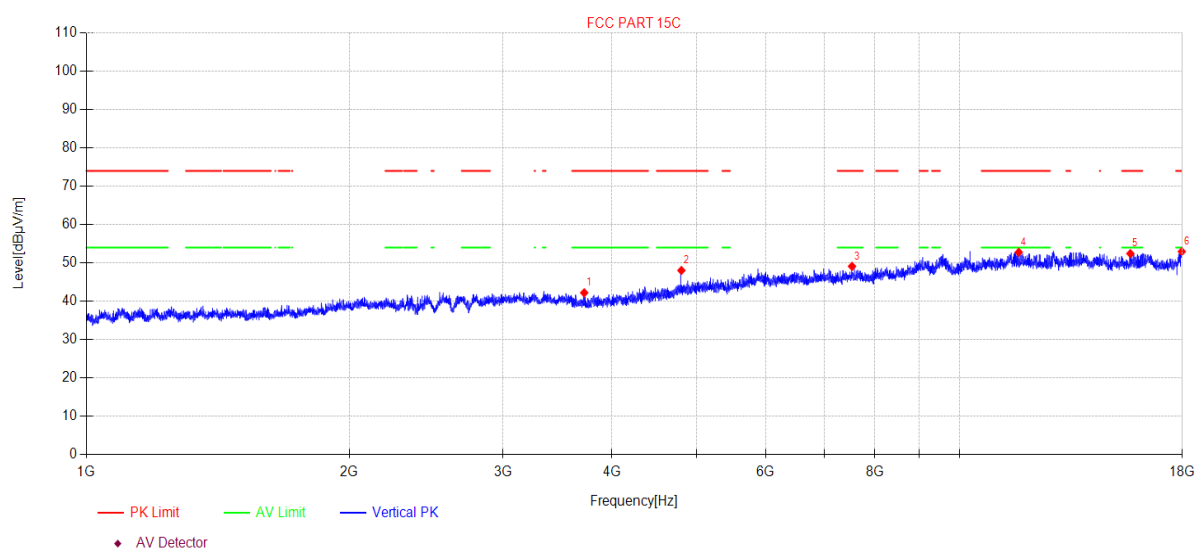
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12 **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES **Model Number:** HA-NP50T  
**Test Mode:** Tx mode **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\81  
**Memo:** 3DH5 2402 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 3717.18     | 47.62            | 5.79            | 30.03               | -41.23   | 42.21          | 74.00          | 31.79       | PK       | Vertical |
| 2    | 4803.36     | 49.42            | 7.47            | 32.31               | -41.16   | 48.04          | 74.00          | 25.96       | PK       | Vertical |
| 3    | 7533.06     | 46.06            | 7.65            | 36.40               | -41.00   | 49.11          | 74.00          | 24.89       | PK       | Vertical |
| 4    | 11691.74    | 43.09            | 10.27           | 38.81               | -39.39   | 52.78          | 74.00          | 21.22       | PK       | Vertical |
| 5    | 15695.62    | 39.82            | 14.50           | 38.30               | -40.19   | 52.43          | 74.00          | 21.57       | PK       | Vertical |
| 6    | 17974.01    | 38.91            | 13.10           | 41.64               | -40.69   | 52.96          | 74.00          | 21.04       | PK       | Vertical |

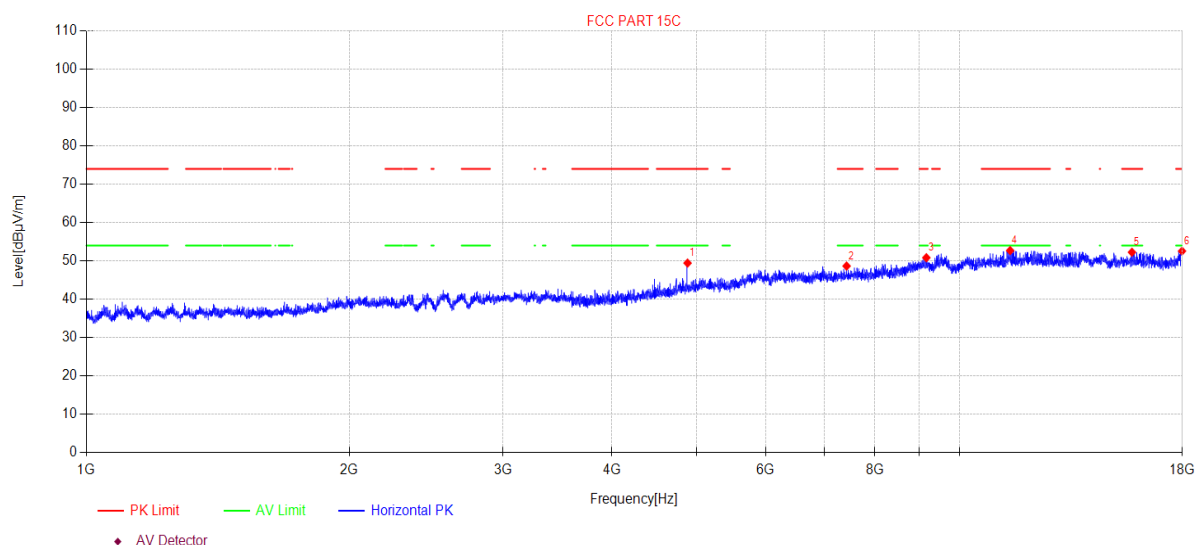
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12 **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES **Model Number:** HA-NP50T  
**Test Mode:** Tx mode **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\82  
**Memo:** 3DH5 2441 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1    | 4881.73     | 50.39            | 7.63            | 32.56               | -41.14   | 49.44          | 74.00          | 24.56       | PK       | Horizontal |
| 2    | 7424.98     | 45.52            | 7.64            | 36.50               | -41.00   | 48.66          | 74.00          | 25.34       | PK       | Horizontal |
| 3    | 9163.69     | 43.38            | 8.76            | 38.30               | -39.60   | 50.84          | 74.00          | 23.16       | PK       | Horizontal |
| 4    | 11431.12    | 43.41            | 10.03           | 39.07               | -39.81   | 52.70          | 74.00          | 21.30       | PK       | Horizontal |
| 5    | 15759.26    | 39.47            | 14.79           | 38.24               | -40.23   | 52.27          | 74.00          | 21.73       | PK       | Horizontal |
| 6    | 17984.40    | 38.43            | 13.11           | 41.71               | -40.69   | 52.56          | 74.00          | 21.44       | PK       | Horizontal |

### Note:

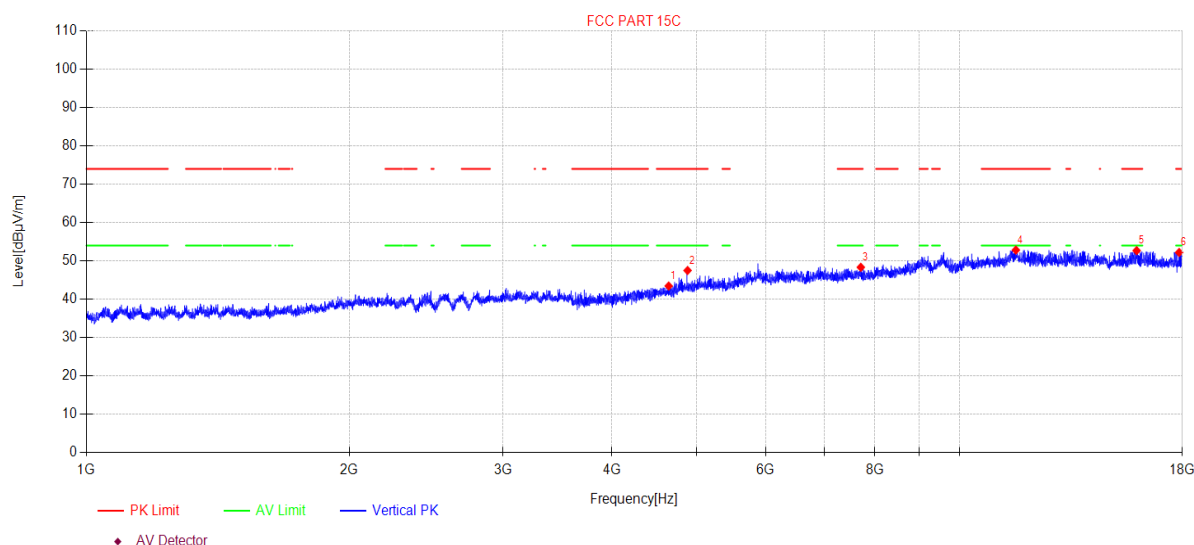
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\83  
**Memo:** 3DH5 2441 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 4644.99     | 45.73            | 7.15            | 31.79               | -41.21   | 43.46          | 74.00          | 30.54       | PK       | Vertical |
| 2    | 4881.73     | 48.46            | 7.63            | 32.56               | -41.14   | 47.51          | 74.00          | 26.49       | PK       | Vertical |
| 3    | 7709.25     | 45.08            | 7.66            | 36.60               | -41.00   | 48.34          | 74.00          | 25.66       | PK       | Vertical |
| 4    | 11604.21    | 43.27            | 10.19           | 38.90               | -39.53   | 52.83          | 74.00          | 21.17       | PK       | Vertical |
| 5    | 15956.33    | 39.38            | 15.68           | 37.99               | -40.37   | 52.68          | 74.00          | 21.32       | PK       | Vertical |
| 6    | 17849.77    | 39.05            | 12.95           | 40.85               | -40.64   | 52.21          | 74.00          | 21.79       | PK       | Vertical |

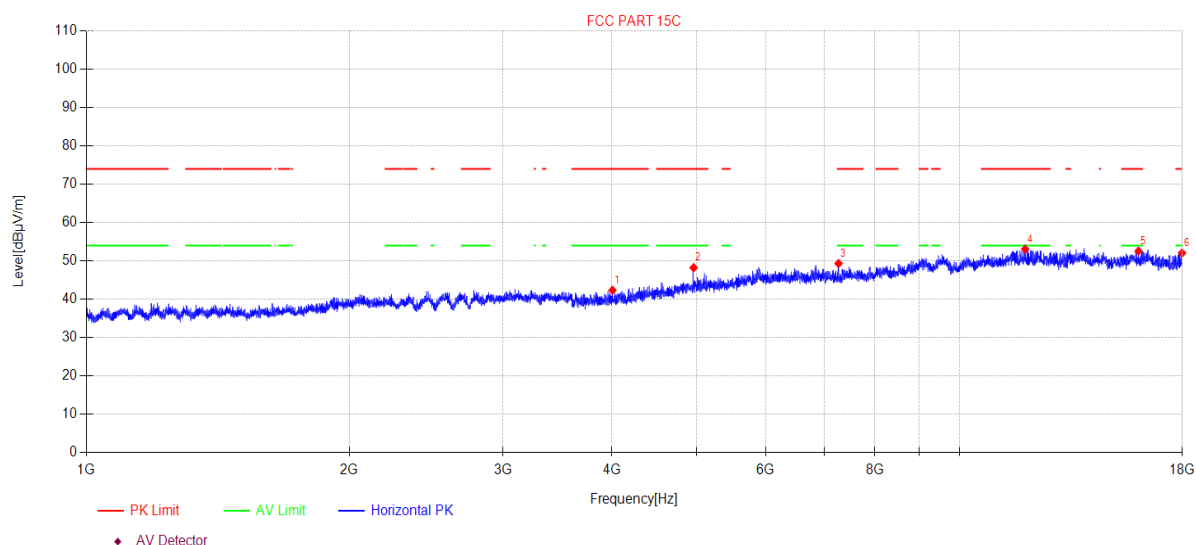
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\84  
**Memo:** 3DH5 2480 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1    | 4004.94     | 47.18            | 5.86            | 30.71               | -41.40   | 42.35          | 74.00          | 31.65       | PK       | Horizontal |
| 2    | 4959.95     | 48.76            | 7.79            | 32.80               | -41.11   | 48.24          | 74.00          | 25.76       | PK       | Horizontal |
| 3    | 7269.97     | 46.20            | 7.63            | 36.50               | -41.00   | 49.33          | 74.00          | 24.67       | PK       | Horizontal |
| 4    | 11892.81    | 42.90            | 10.44           | 38.80               | -39.07   | 53.07          | 74.00          | 20.93       | PK       | Horizontal |
| 5    | 16034.91    | 39.35            | 15.74           | 37.87               | -40.40   | 52.56          | 74.00          | 21.44       | PK       | Horizontal |
| 6    | 17984.40    | 37.93            | 13.11           | 41.71               | -40.69   | 52.06          | 74.00          | 21.94       | PK       | Horizontal |

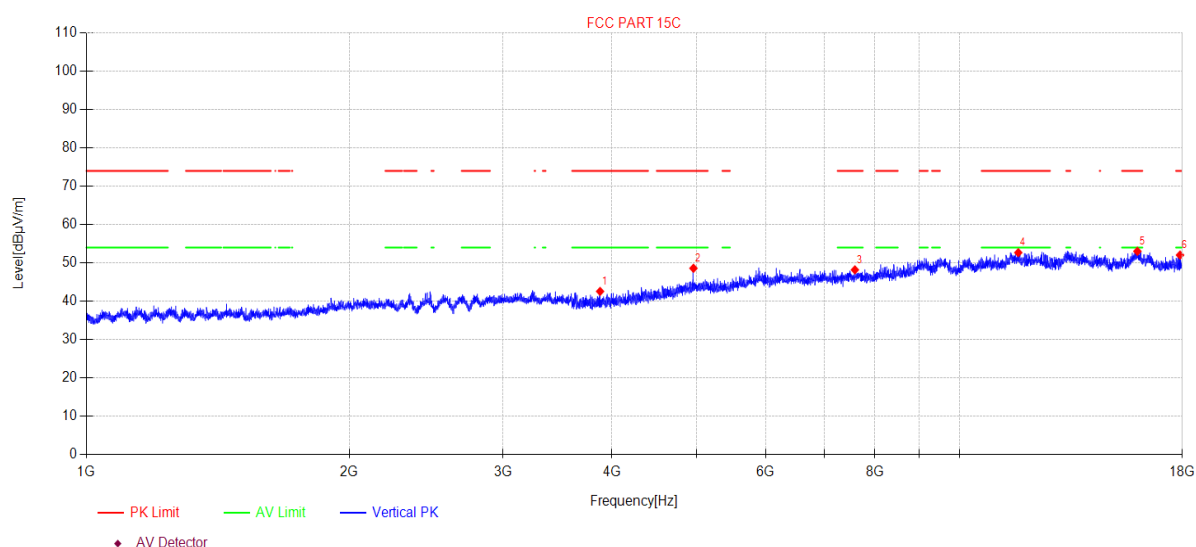
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\85  
**Memo:** 3DH5 2480 Right side

### Test Graph



### Suspected Data List

| N O. | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1    | 3876.26     | 47.64            | 5.82            | 30.45               | -41.33   | 42.58          | 74.00          | 31.42       | PK       | Vertical |
| 2    | 4958.51     | 49.13            | 7.79            | 32.80               | -41.11   | 48.61          | 74.00          | 25.39       | PK       | Vertical |
| 3    | 7589.87     | 45.15            | 7.65            | 36.40               | -41.00   | 48.20          | 74.00          | 25.80       | PK       | Vertical |
| 4    | 11678.23    | 43.02            | 10.25           | 38.82               | -39.41   | 52.68          | 74.00          | 21.32       | PK       | Vertical |
| 5    | 15988.64    | 39.67            | 15.83           | 37.92               | -40.39   | 53.03          | 74.00          | 20.97       | PK       | Vertical |
| 6    | 17891.09    | 38.56            | 13.00           | 41.14               | -40.66   | 52.04          | 74.00          | 21.96       | PK       | Vertical |

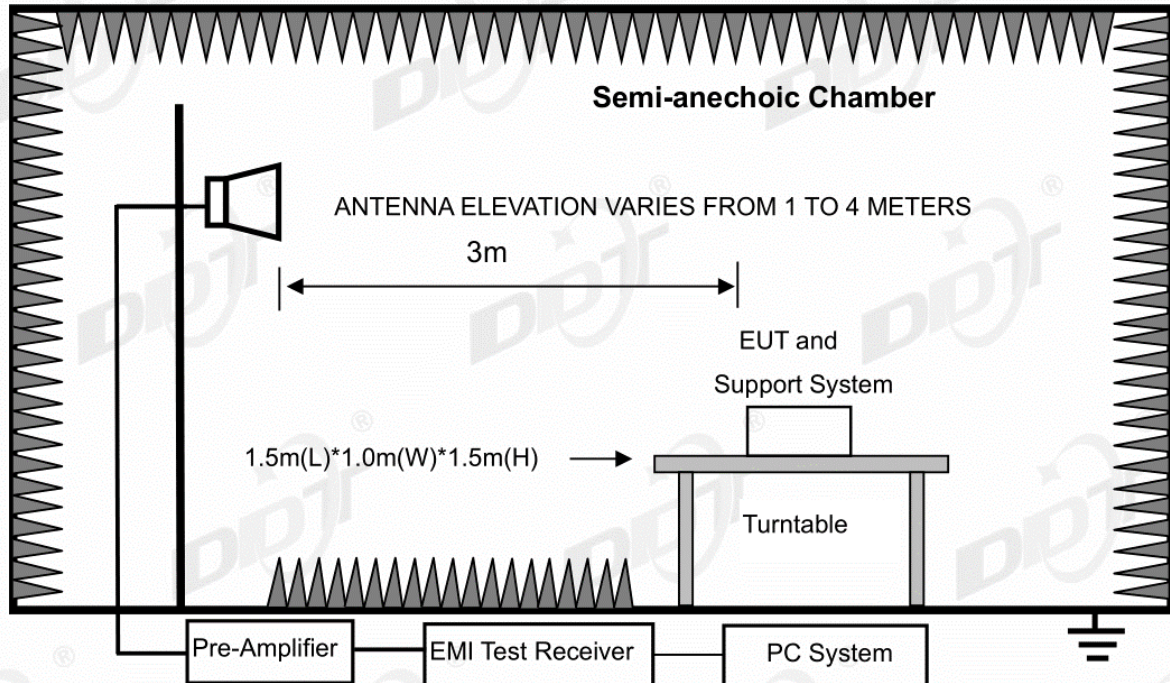
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## 14. Band Edge Compliance (Radiated Method)

### 14.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



### 14.2. Limit

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

### 14.3. Test Procedure

Same with Radiated Emission except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

### 14.4. Test result

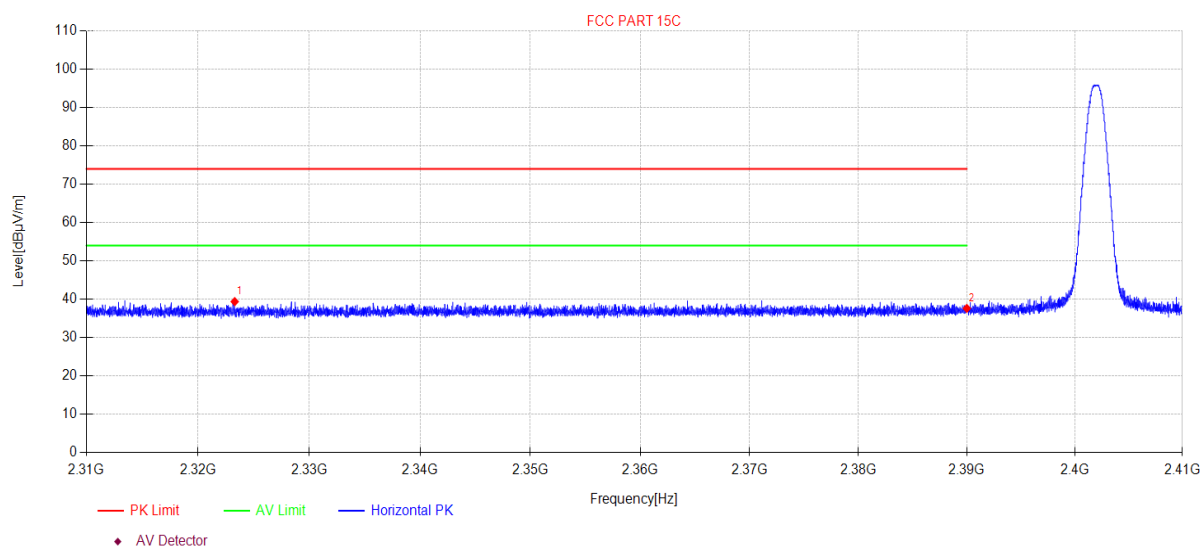
Pass. (See below detailed test result)

Remark: hopping on and hopping off mode all have been test, hopping off mode is worse and reported only.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\136  
**Memo:** DH5 2402 Left side

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 2323.29     | 48.29            | 3.82            | 27.35               | -40.06   | 39.40          | 74.00          | 34.60       | PK       | Horizontal |
| 2  | 2390.00     | 46.41            | 3.87            | 27.48               | -40.13   | 37.63          | 74.00          | 36.37       | PK       | Horizontal |

Note:

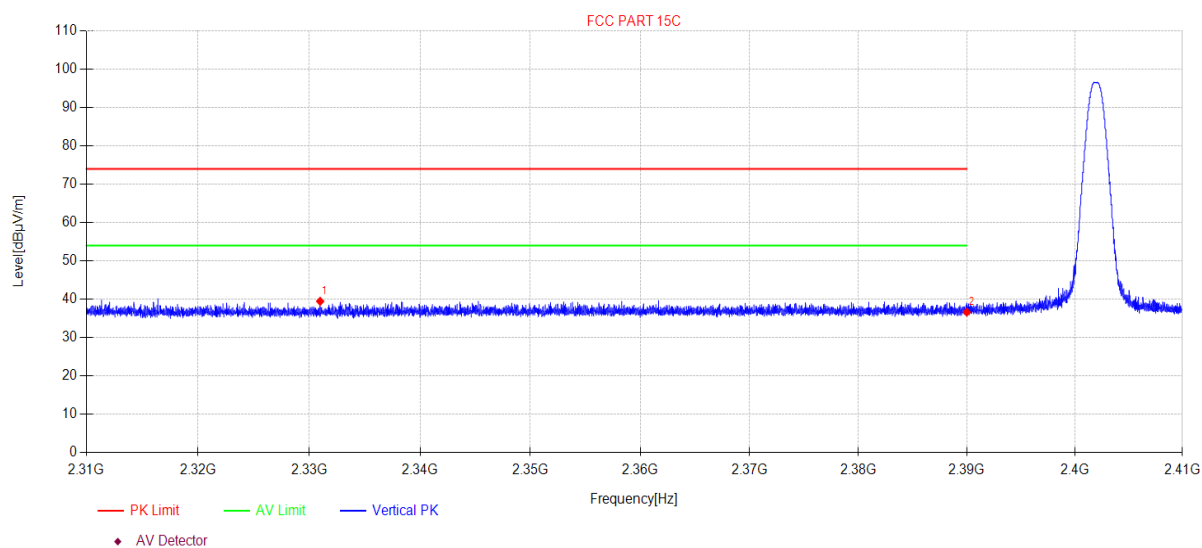
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12 **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES **Model Number:** HA-NP50T  
**Test Mode:** Tx mode **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\137  
**Memo:** DH5 2402 Left side

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 2330.98     | 48.36            | 3.82            | 27.36               | -40.06   | 39.48          | 74.00          | 34.52       | PK       | Vertical |
| 2  | 2390.00     | 45.42            | 3.87            | 27.48               | -40.13   | 36.64          | 74.00          | 37.36       | PK       | Vertical |

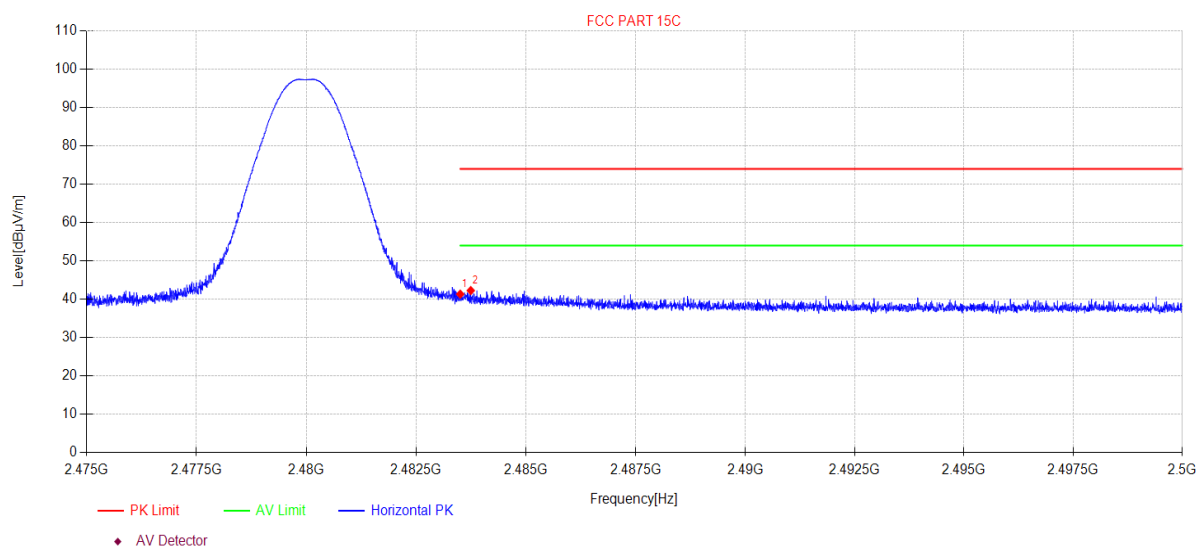
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-07-12      **Tested By:** Bairong  
**EUT:** WIRELESS HEADPHONES      **Model Number:** HA-NP50T  
**Test Mode:** Tx mode      **Power Supply:** Battery  
**Condition:** Temp:23°C;Humi:64.6%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23021705-2E HA-NP50T\FCC ABOVE 1G\146  
**Memo:** DH5 2480 Left side

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 2483.50     | 49.91            | 3.94            | 27.73               | -40.23   | 41.35          | 74.00          | 32.65       | PK       | Horizontal |
| 2                   | 2483.74     | 50.84            | 3.94            | 27.73               | -40.23   | 42.28          | 74.00          | 31.72       | PK       | Horizontal |

### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.