

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

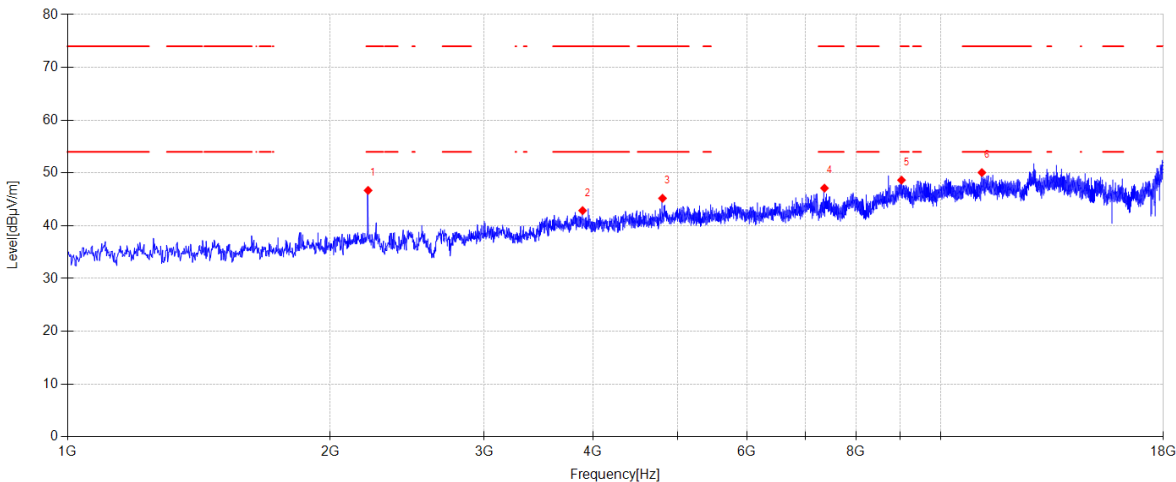
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\1

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2210.400    | 52.72            | 27.70               | 4.72            | -38.45   | 46.69          | 74.00          | 27.31       | PK       | Horizontal |
| 2         | 3891.700    | 46.30            | 31.15               | 5.07            | -39.65   | 42.87          | 74.00          | 31.13       | PK       | Horizontal |
| 3         | 4804.600    | 46.67            | 32.62               | 5.53            | -39.62   | 45.20          | 74.00          | 28.80       | PK       | Horizontal |
| 4         | 7364.800    | 44.39            | 36.77               | 6.63            | -40.67   | 47.12          | 74.00          | 26.88       | PK       | Horizontal |
| 5         | 9024.000    | 41.80            | 38.35               | 7.31            | -38.82   | 48.64          | 74.00          | 25.36       | PK       | Horizontal |
| 6         | 11154.100   | 41.74            | 39.25               | 8.23            | -39.15   | 50.07          | 74.00          | 23.93       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

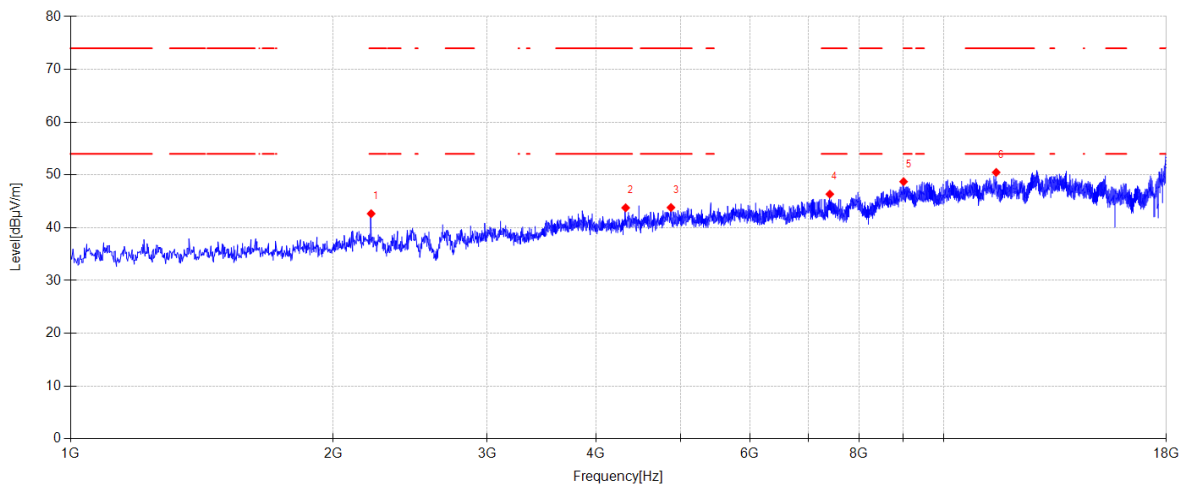
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\2

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2210.400    | 48.69            | 27.70               | 4.72            | -38.45   | 42.66          | 74.00          | 31.34       | PK       | Vertical |
| 2         | 4325.200    | 46.58            | 31.60               | 5.25            | -39.65   | 43.78          | 74.00          | 30.22       | PK       | Vertical |
| 3         | 4874.300    | 44.46            | 33.41               | 5.57            | -39.61   | 43.83          | 74.00          | 30.17       | PK       | Vertical |
| 4         | 7410.700    | 43.65            | 36.68               | 6.66            | -40.63   | 46.36          | 74.00          | 27.64       | PK       | Vertical |
| 5         | 9001.900    | 41.93            | 38.30               | 7.30            | -38.80   | 48.73          | 74.00          | 25.27       | PK       | Vertical |
| 6         | 11492.400   | 42.33            | 39.21               | 8.44            | -39.49   | 50.49          | 74.00          | 23.51       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2441 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

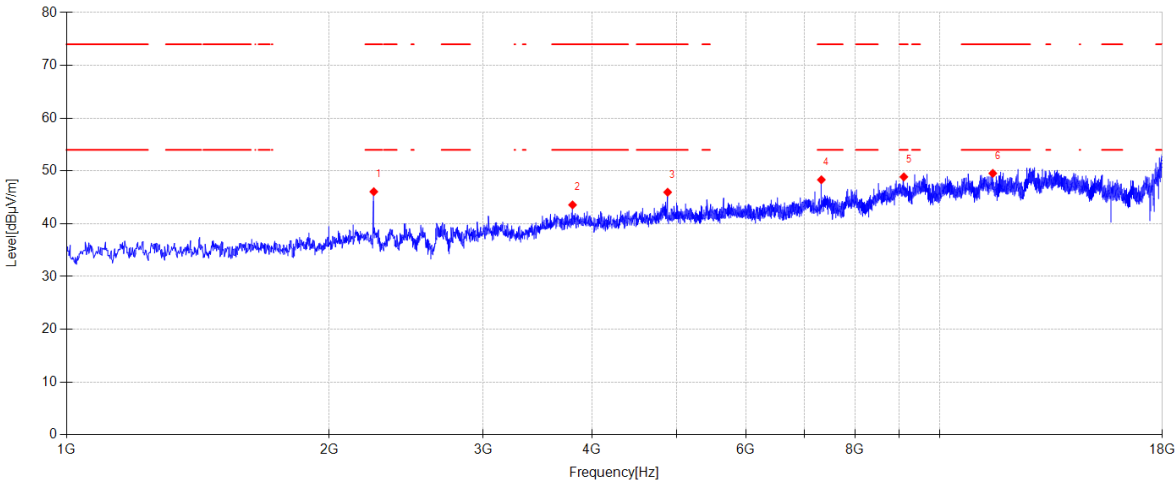
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\3

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2249.500    | 52.50            | 27.31               | 4.75            | -38.49   | 46.07          | 74.00          | 27.93       | PK       | Horizontal |
| 2         | 3799.900    | 47.42            | 30.70               | 5.08            | -39.63   | 43.57          | 74.00          | 30.43       | PK       | Horizontal |
| 3         | 4882.800    | 46.72            | 33.28               | 5.58            | -39.61   | 45.97          | 74.00          | 28.03       | PK       | Horizontal |
| 4         | 7324.000    | 45.58            | 36.85               | 6.61            | -40.71   | 48.33          | 74.00          | 25.67       | PK       | Horizontal |
| 5         | 9103.900    | 41.93            | 38.50               | 7.33            | -38.88   | 48.88          | 74.00          | 25.12       | PK       | Horizontal |
| 6         | 11511.100   | 41.42            | 39.18               | 8.45            | -39.51   | 49.54          | 74.00          | 24.46       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2441 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

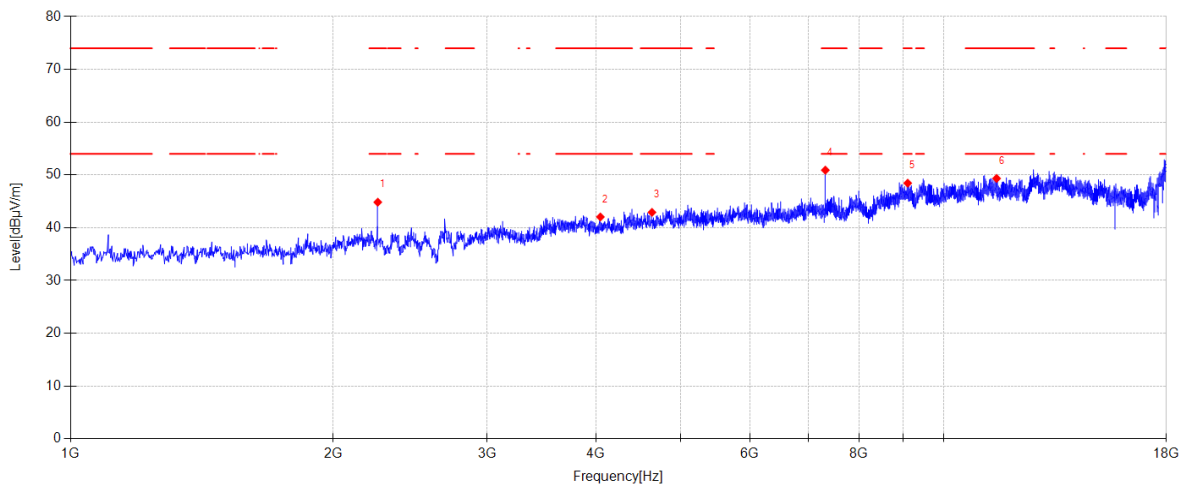
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d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\4

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2249.500    | 51.27            | 27.31               | 4.75            | -38.49   | 44.84          | 74.00          | 29.16       | PK       | Vertical |
| 2         | 4046.400    | 45.65            | 30.99               | 5.08            | -39.68   | 42.04          | 74.00          | 31.96       | PK       | Vertical |
| 3         | 4636.300    | 45.14            | 31.97               | 5.43            | -39.63   | 42.91          | 74.00          | 31.09       | PK       | Vertical |
| 4         | 7324.000    | 48.16            | 36.85               | 6.61            | -40.71   | 50.91          | 74.00          | 23.09       | PK       | Vertical |
| 5         | 9100.500    | 41.49            | 38.50               | 7.33            | -38.88   | 48.44          | 74.00          | 25.56       | PK       | Vertical |
| 6         | 11504.300   | 41.20            | 39.19               | 8.45            | -39.50   | 49.34          | 74.00          | 24.66       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

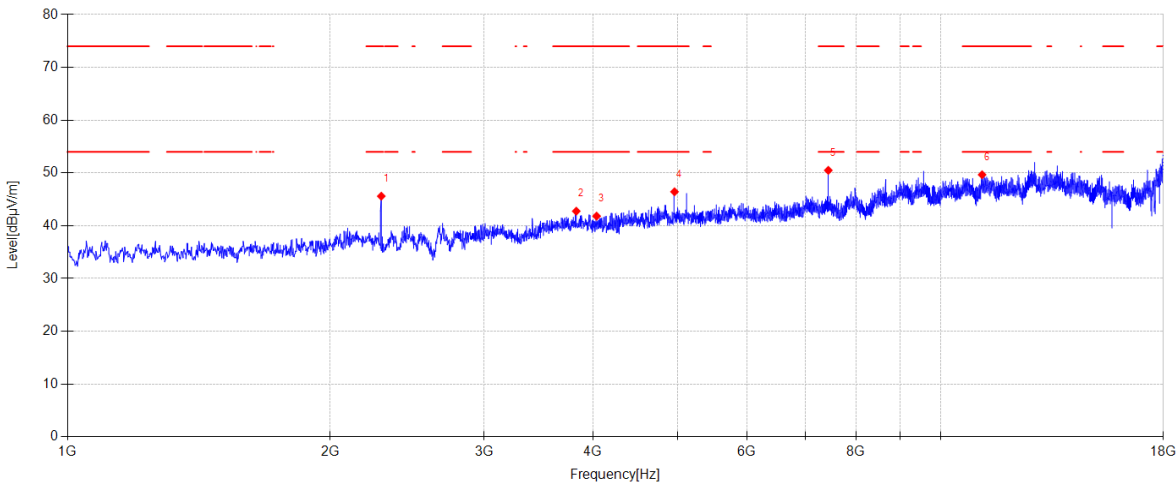
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\5

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2288.600    | 52.46            | 26.91               | 4.77            | -38.54   | 45.60          | 74.00          | 28.40       | PK       | Horizontal |
| 2         | 3827.100    | 46.51            | 30.81               | 5.08            | -39.64   | 42.76          | 74.00          | 31.24       | PK       | Horizontal |
| 3         | 4037.900    | 45.45            | 30.98               | 5.07            | -39.68   | 41.82          | 74.00          | 32.18       | PK       | Horizontal |
| 4         | 4959.300    | 47.29            | 33.12               | 5.63            | -39.60   | 46.44          | 74.00          | 27.56       | PK       | Horizontal |
| 5         | 7439.600    | 47.80            | 36.62               | 6.67            | -40.60   | 50.49          | 74.00          | 23.51       | PK       | Horizontal |
| 6         | 11160.900   | 41.35            | 39.24               | 8.23            | -39.16   | 49.66          | 74.00          | 24.34       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

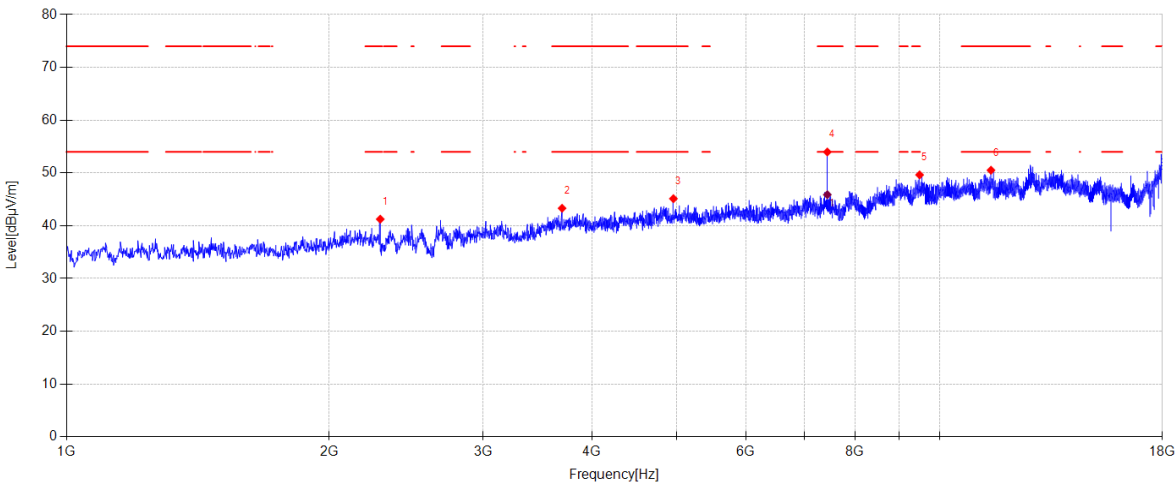
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\6

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2288.600    | 48.10            | 26.91               | 4.77            | -38.54   | 41.24          | 74.00          | 32.76       | PK       | Vertical |
| 2         | 3696.200    | 47.44            | 30.38               | 5.10            | -39.61   | 43.31          | 74.00          | 30.69       | PK       | Vertical |
| 3         | 4957.600    | 45.99            | 33.12               | 5.62            | -39.60   | 45.13          | 74.00          | 28.87       | PK       | Vertical |
| 4         | 7439.600    | 51.29            | 36.62               | 6.67            | -40.60   | 53.98          | 74.00          | 20.02       | PK       | Vertical |
| 5         | 9489.800    | 42.67            | 38.70               | 7.46            | -39.19   | 49.64          | 74.00          | 24.36       | PK       | Vertical |
| 6         | 11455.000   | 42.31            | 39.25               | 8.42            | -39.46   | 50.52          | 74.00          | 23.48       | PK       | Vertical |

| Data List |             |                  |                     |                 |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 7440.055    | 43.19            | 36.62               | 6.67            | 45.88          | 54.00          | 8.12        | AV       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

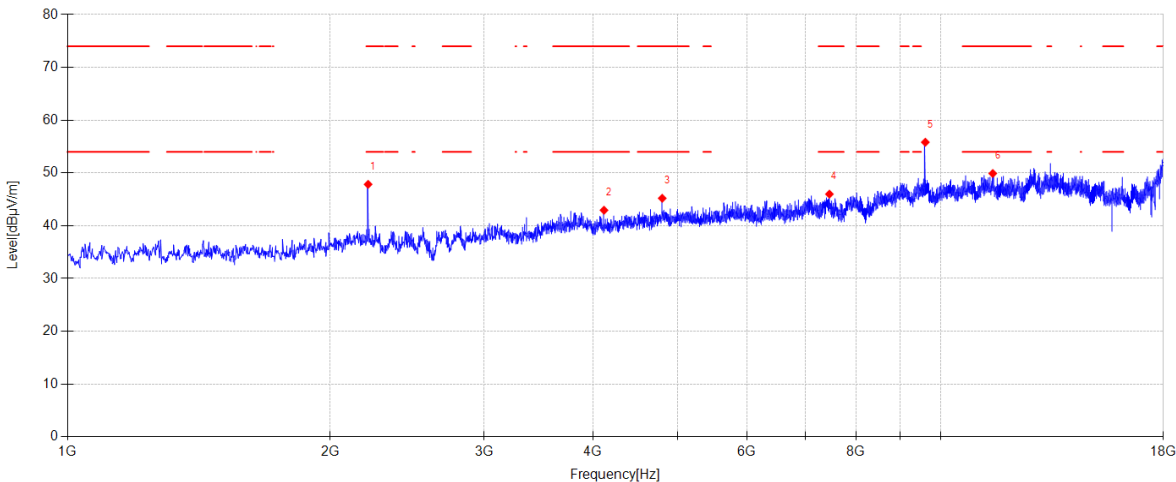
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\13

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2210.400    | 53.87            | 27.70               | 4.72            | -38.45   | 47.84          | 74.00          | 26.16       | PK       | Horizontal |
| 2         | 4117.800    | 46.35            | 31.14               | 5.12            | -39.67   | 42.94          | 74.00          | 31.06       | PK       | Horizontal |
| 3         | 4801.200    | 46.76            | 32.53               | 5.53            | -39.62   | 45.20          | 74.00          | 28.80       | PK       | Horizontal |
| 4         | 7461.700    | 43.31            | 36.58               | 6.68            | -40.58   | 45.99          | 74.00          | 28.01       | PK       | Horizontal |
| 5         | 9608.800    | 49.03            | 38.58               | 7.50            | -39.29   | 55.82          | -              | -           | PK       | Horizontal |
| 6         | 11478.800   | 41.73            | 39.22               | 8.43            | -39.48   | 49.90          | 74.00          | 24.10       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

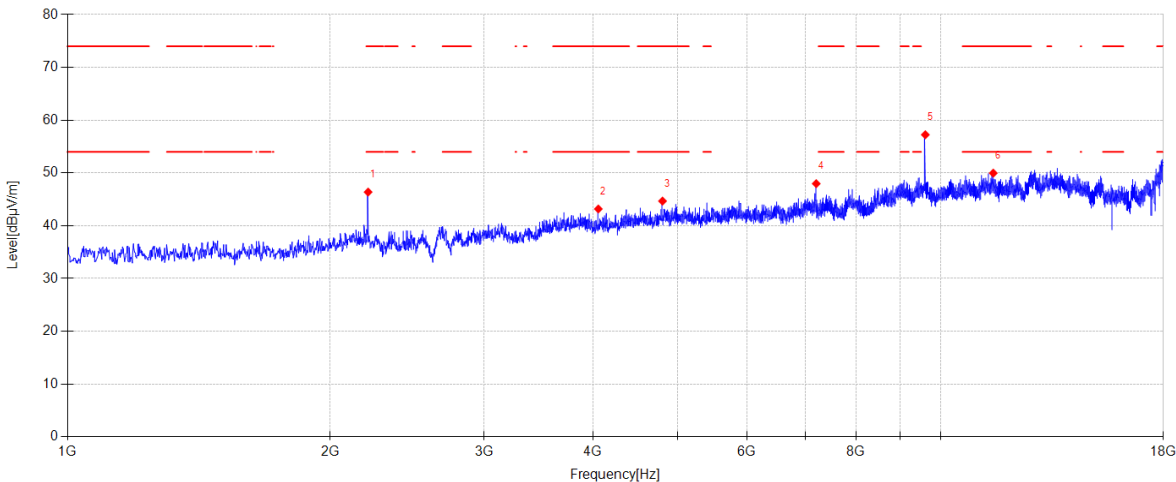
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\14

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2210.400    | 52.41            | 27.70               | 4.72            | -38.45   | 46.38          | 74.00          | 27.62       | PK       | Vertical |
| 2         | 4056.600    | 46.77            | 31.01               | 5.08            | -39.68   | 43.18          | 74.00          | 30.82       | PK       | Vertical |
| 3         | 4804.600    | 46.14            | 32.62               | 5.53            | -39.62   | 44.67          | 74.00          | 29.33       | PK       | Vertical |
| 4         | 7206.700    | 45.43            | 36.80               | 6.55            | -40.81   | 47.97          | -              | -           | PK       | Vertical |
| 5         | 9608.800    | 50.45            | 38.58               | 7.50            | -39.29   | 57.24          | -              | -           | PK       | Vertical |
| 6         | 11494.100   | 41.81            | 39.21               | 8.44            | -39.49   | 49.97          | 74.00          | 24.03       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2441 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

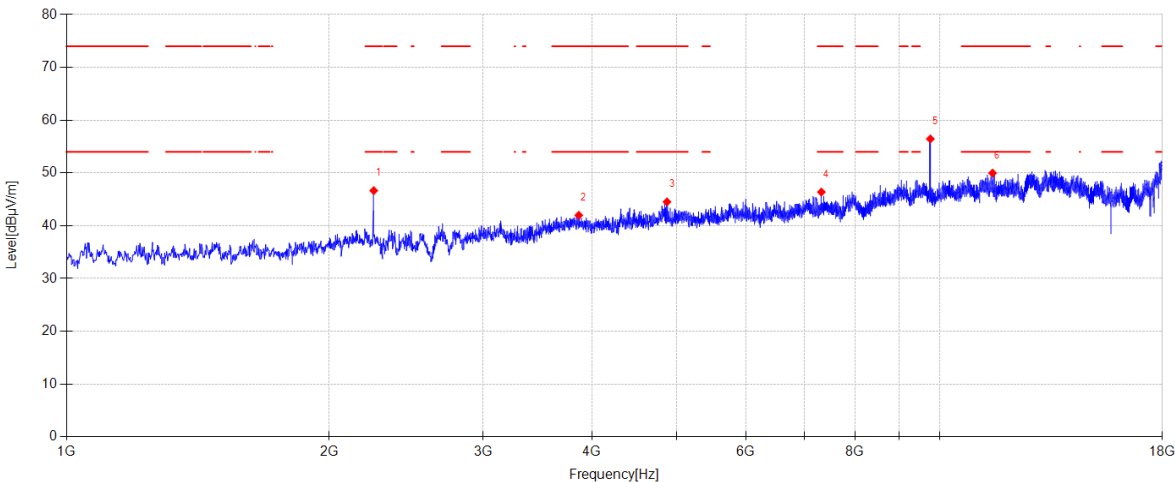
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\15

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2249.500    | 53.08            | 27.31               | 4.75            | -38.49   | 46.65          | 74.00          | 27.35       | PK       | Horizontal |
| 2         | 3862.800    | 45.59            | 30.98               | 5.07            | -39.65   | 41.99          | 74.00          | 32.01       | PK       | Horizontal |
| 3         | 4874.300    | 45.16            | 33.41               | 5.57            | -39.61   | 44.53          | 74.00          | 29.47       | PK       | Horizontal |
| 4         | 7324.000    | 43.63            | 36.85               | 6.61            | -40.71   | 46.38          | 74.00          | 27.62       | PK       | Horizontal |
| 5         | 9763.500    | 49.91            | 38.40               | 7.55            | -39.41   | 56.45          | -              | -           | PK       | Horizontal |
| 6         | 11502.600   | 41.84            | 39.19               | 8.45            | -39.50   | 49.98          | 74.00          | 24.02       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2441 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

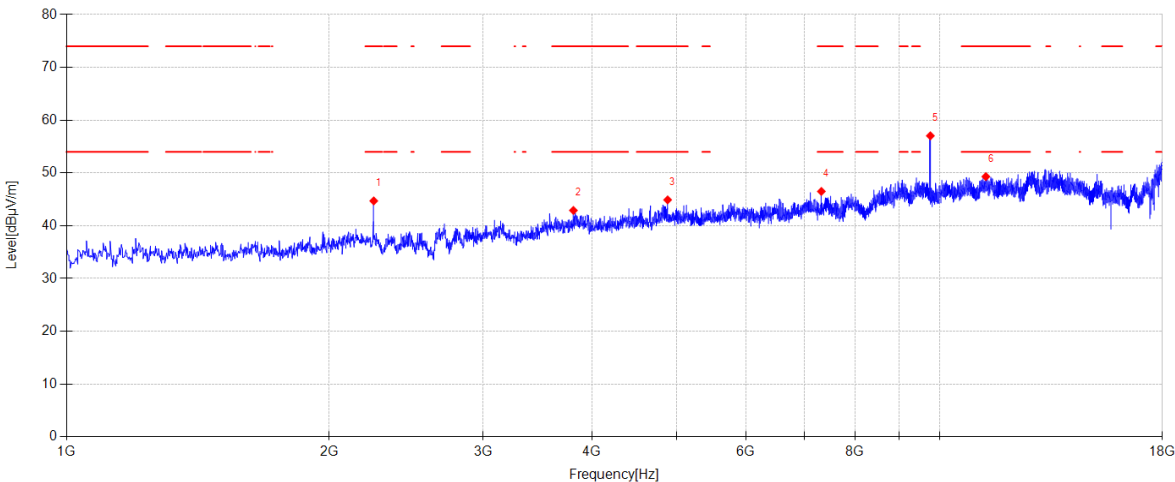
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\16

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2249.500    | 51.13            | 27.31               | 4.75            | -38.49   | 44.70          | 74.00          | 29.30       | PK       | Vertical |
| 2         | 3808.400    | 46.72            | 30.73               | 5.08            | -39.63   | 42.90          | 74.00          | 31.10       | PK       | Vertical |
| 3         | 4882.800    | 45.65            | 33.28               | 5.58            | -39.61   | 44.90          | 74.00          | 29.10       | PK       | Vertical |
| 4         | 7324.000    | 43.75            | 36.85               | 6.61            | -40.71   | 46.50          | 74.00          | 27.50       | PK       | Vertical |
| 5         | 9763.500    | 50.50            | 38.40               | 7.55            | -39.41   | 57.04          | -              | -           | PK       | Vertical |
| 6         | 11302.000   | 41.09            | 39.20               | 8.32            | -39.30   | 49.31          | 74.00          | 24.69       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

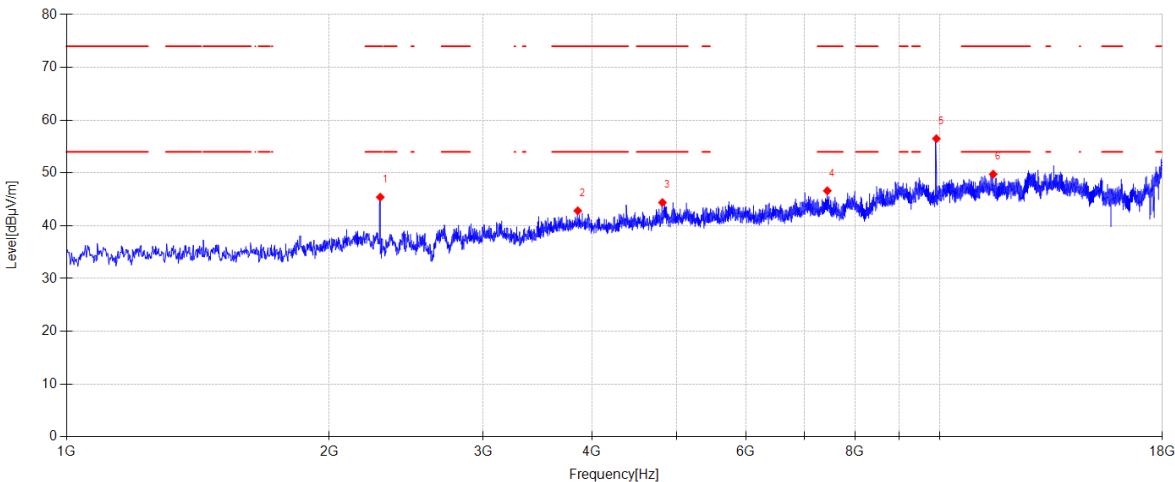
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\17

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2288.600    | 52.27            | 26.91               | 4.77            | -38.54   | 45.41          | 74.00          | 28.59       | PK       | Horizontal |
| 2         | 3852.600    | 46.47            | 30.92               | 5.08            | -39.64   | 42.83          | 74.00          | 31.17       | PK       | Horizontal |
| 3         | 4816.500    | 45.53            | 32.93               | 5.54            | -39.61   | 44.39          | 74.00          | 29.61       | PK       | Horizontal |
| 4         | 7439.600    | 43.93            | 36.62               | 6.67            | -40.60   | 46.62          | 74.00          | 27.38       | PK       | Horizontal |
| 5         | 9919.900    | 49.94            | 38.50               | 7.60            | -39.54   | 56.50          | -              | -           | PK       | Horizontal |
| 6         | 11523.000   | 41.67            | 39.15               | 8.46            | -39.52   | 49.76          | 74.00          | 24.24       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

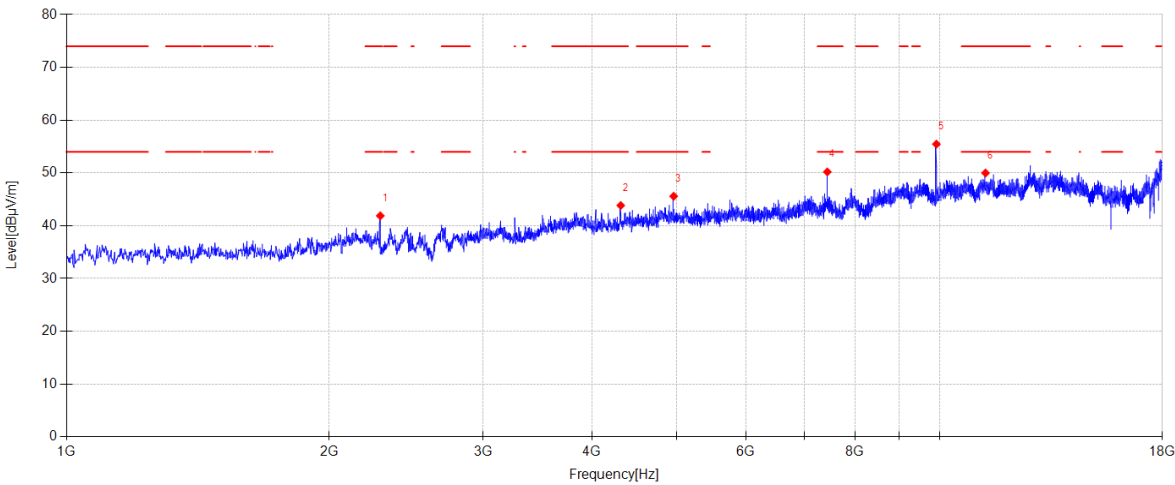
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\18

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2288.600    | 48.74            | 26.91               | 4.77            | -38.54   | 41.88          | 74.00          | 32.12       | PK       | Vertical |
| 2         | 4315.000    | 46.65            | 31.60               | 5.24            | -39.65   | 43.84          | 74.00          | 30.16       | PK       | Vertical |
| 3         | 4961.000    | 46.43            | 33.12               | 5.63            | -39.60   | 45.58          | 74.00          | 28.42       | PK       | Vertical |
| 4         | 7439.600    | 47.51            | 36.62               | 6.67            | -40.60   | 50.20          | 74.00          | 23.80       | PK       | Vertical |
| 5         | 9919.900    | 48.90            | 38.50               | 7.60            | -39.54   | 55.46          | -              | -           | PK       | Vertical |
| 6         | 11291.800   | 41.77            | 39.20               | 8.31            | -39.29   | 49.99          | 74.00          | 24.01       | 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.

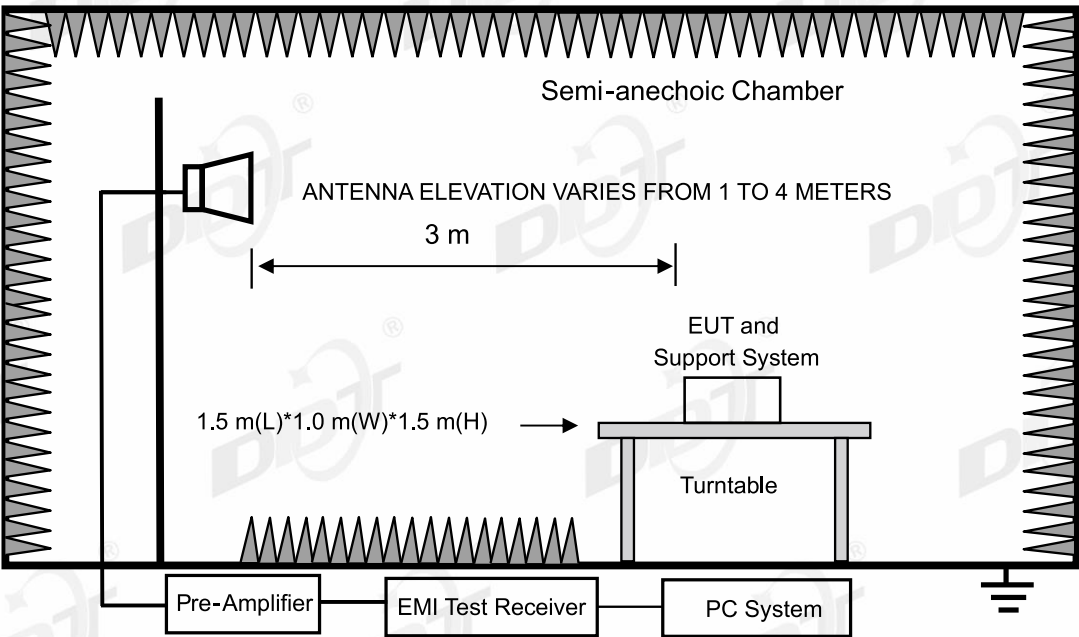
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## 15.Band Edge Compliance

### 15.1. Test equipment

| Equipment                    | Manufacturer      | Model No.          | Serial No.  | Cal Due To |
|------------------------------|-------------------|--------------------|-------------|------------|
| High Pass filter             | Xi'an Xingbo      | XBLBQ-GTA67        | DDT-ZC02179 | 2025/04/22 |
| Active Loop Antenna          | Schwarzbeck       | FMZB1519           | DDT-ZC00524 | 2025/09/11 |
| Broad-Band Horn Antenna      | Schwarzbeck       | BBHA 9170          | DDT-ZC00506 | 2025/04/26 |
| RF Cable                     | N/A               | W13.02 AP1-X2      | DDT-ZC04023 | 2025/03/31 |
| PSA Series Spectrum Analyzer | Agilent           | E4447A             | DDT-ZC00517 | 2025/03/31 |
| EMI TEST RECEIVER            | R&S               | ESU26              | DDT-ZC01909 | 2025/03/31 |
| Pre-amplifier                | COM-POWER         | PAM-840A           | DDT-ZC01693 | 2025/03/31 |
| Pre-amplifier                | COM-POWER         | PAM-118A           | DDT-ZC01293 | 2025/08/25 |
| Trilog Broadband Antenna     | Schwarzbeck       | VULB 9163          | DDT-ZC02050 | 2025/07/11 |
| RF cable                     | Zhongke Junchuang | JCT26S-NJ-NJ-1.5M  | DDT-ZC02762 | 2025/03/31 |
| RF cable                     | Yuhu Technology   | JCTB810-NJ-NJ-9M   | DDT-ZC02538 | 2025/03/31 |
| Micro-Tronics filters        | REBES             | BRM50702           | DDT-ZC03242 | /          |
| RF cable                     | Yuhu Technology   | ZT26S-SMAJ-SMAJ-1M | DDT-ZC02037 | 2025/03/31 |
| RF Cable                     | N/A               | W24.02 HL-562      | DDT-ZC04022 | 2025/03/31 |
| High pass filter             | Micro-Tronics     | HPM50108           | DDT-ZC00560 | 2025/04/22 |
| Hochgewinn-Hornantenne       | SCHWARZBEC K      | BBHA 9120 D        | DDT-ZC02129 | 2025/09/18 |
| Micro-Tronics filters        | REBES             | BRM50716           | DDT-ZC03240 | /          |
| High pass filter             | Micro-Tronics     | HPM50102           | DDT-ZC00561 | 2025/04/22 |

15.2. Block diagram of test setup



15.3. Limits

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.

15.4. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | Description | other                   |
|---------------------|--------------|--------------|-------------|-------------------------|
| NoteBook            | Lenovo       | i7-3520M     | N/A         | 00426-OEM-8992662-00400 |

15.5. Test procedure

Same with Radiated Emission except change investigated frequency range.  
Remark: All restriction band have been tested, and only the worst case is shown in report.

15.6. Test result

**PASS. (See below detailed test result)**

Remark: All restriction band have been tested, and only the worst case is shown in report. According to the results of the radiated Emission test, it can be judged that the Vertical direction is the worst case.

15.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

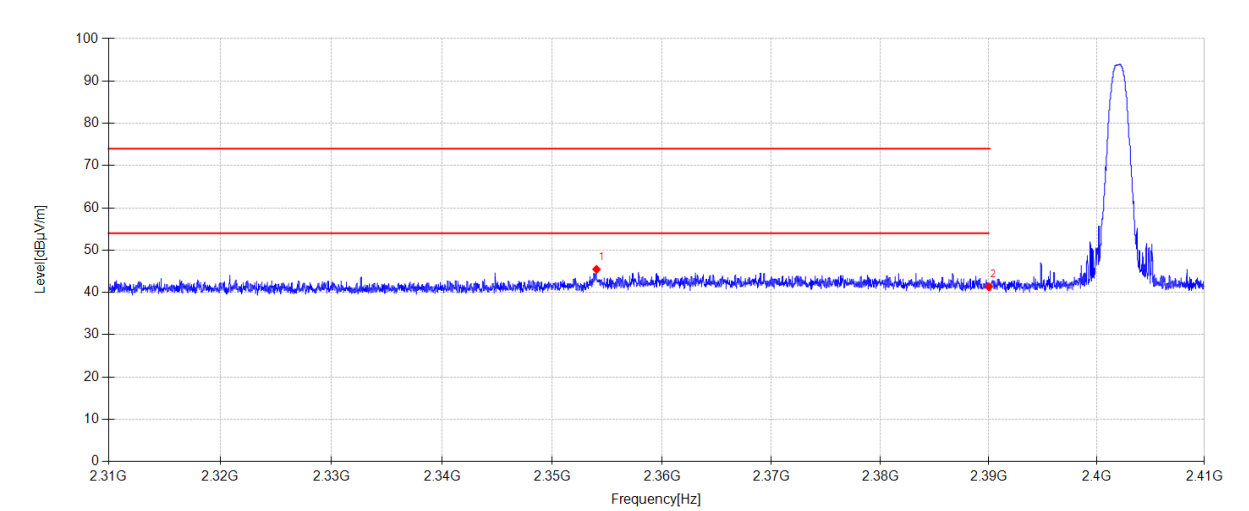
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\10

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2354.020    | 14.80            | 27.12               | 3.55            | 0.00     | 45.47          | 74.00          | 28.53       | PK       | Vertical |
| 2         | 2390.000    | 10.49            | 27.26               | 3.57            | 0.00     | 41.32          | 74.00          | 32.68       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 2DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

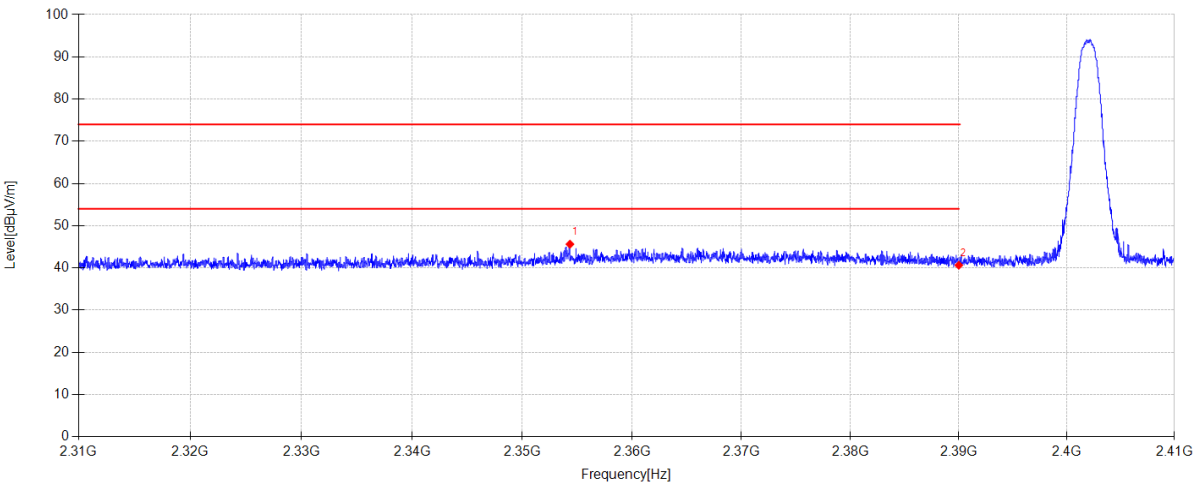
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\11

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2354.330    | 14.96            | 27.12               | 3.55            | 0.00     | 45.63          | 74.00          | 28.37       | PK       | Vertical |
| 2         | 2390.000    | 9.81             | 27.26               | 3.57            | 0.00     | 40.64          | 74.00          | 33.36       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

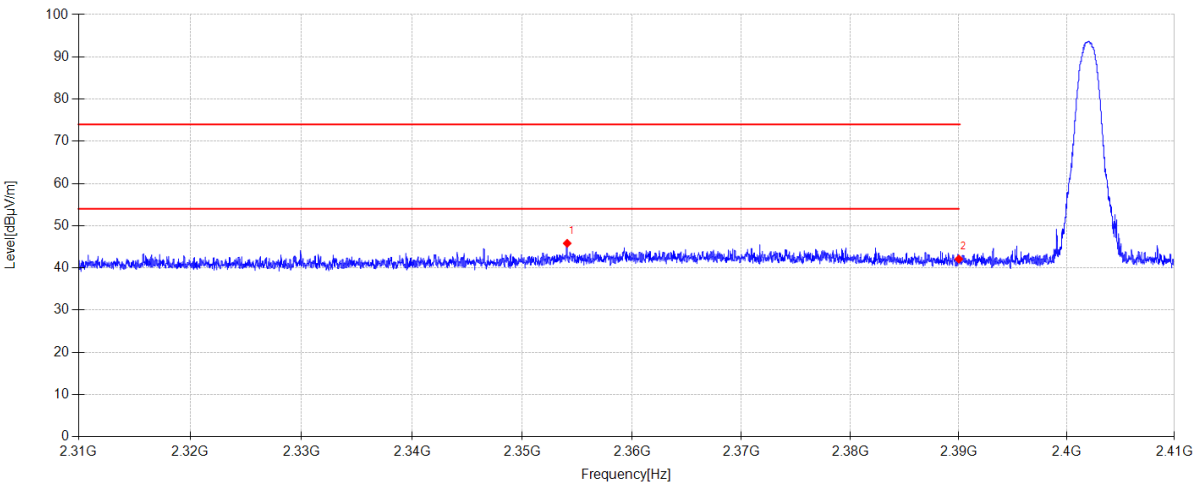
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\12

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2354.080    | 15.16            | 27.12               | 3.55            | 0.00     | 45.83          | 74.00          | 28.17       | PK       | Vertical |
| 2         | 2390.000    | 11.27            | 27.26               | 3.57            | 0.00     | 42.10          | 74.00          | 31.90       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

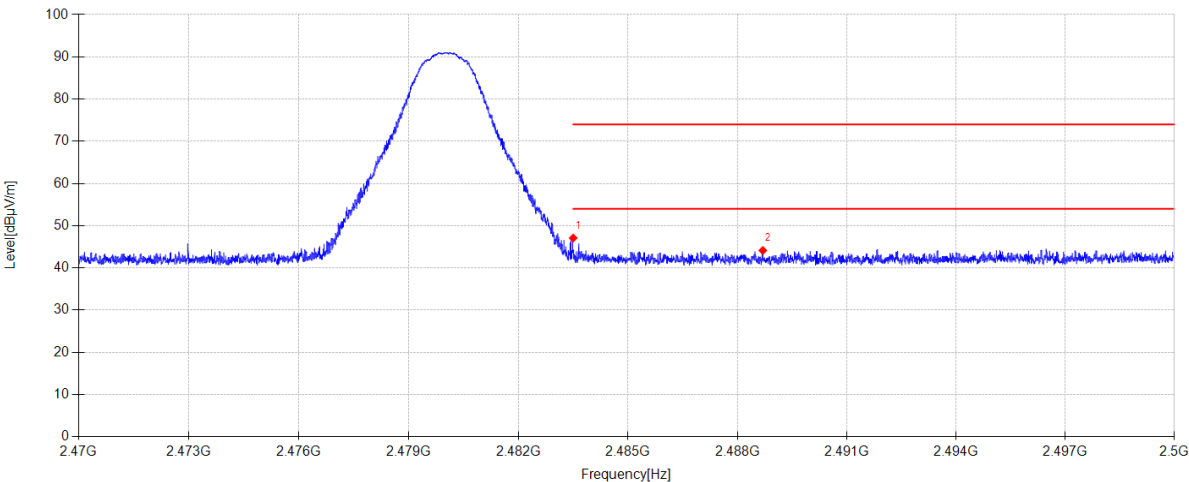
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\9

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 15.93            | 27.53               | 3.62            | 0.00     | 47.08          | 74.00          | 26.92       | PK       | Vertical |
| 2         | 2488.693    | 12.96            | 27.55               | 3.62            | 0.00     | 44.13          | 74.00          | 29.87       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 2H5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

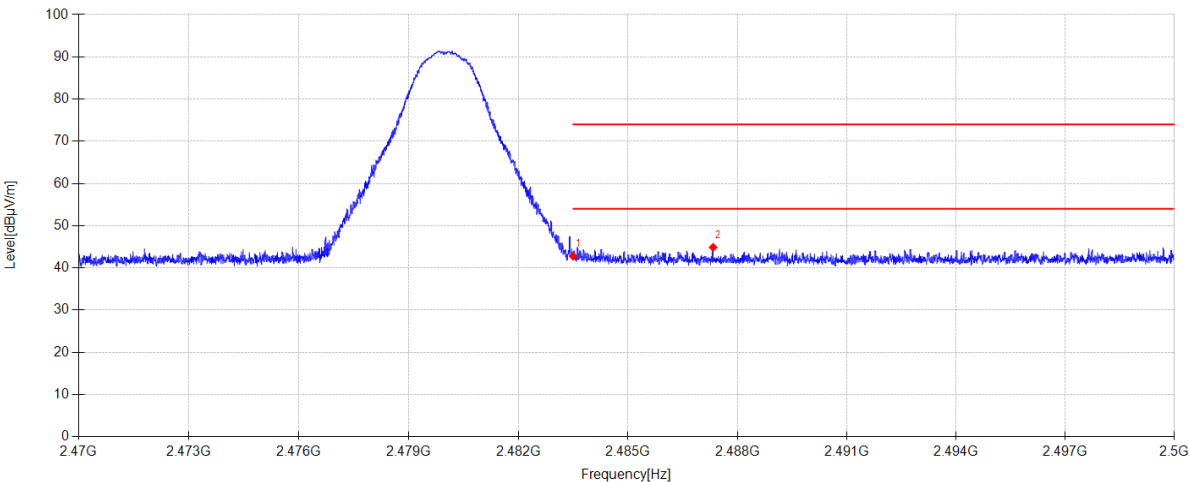
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\8

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 11.64            | 27.53               | 3.62            | 0.00     | 42.79          | 74.00          | 31.21       | PK       | Vertical |
| 2         | 2487.331    | 13.71            | 27.55               | 3.62            | 0.00     | 44.88          | 74.00          | 29.12       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3H5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

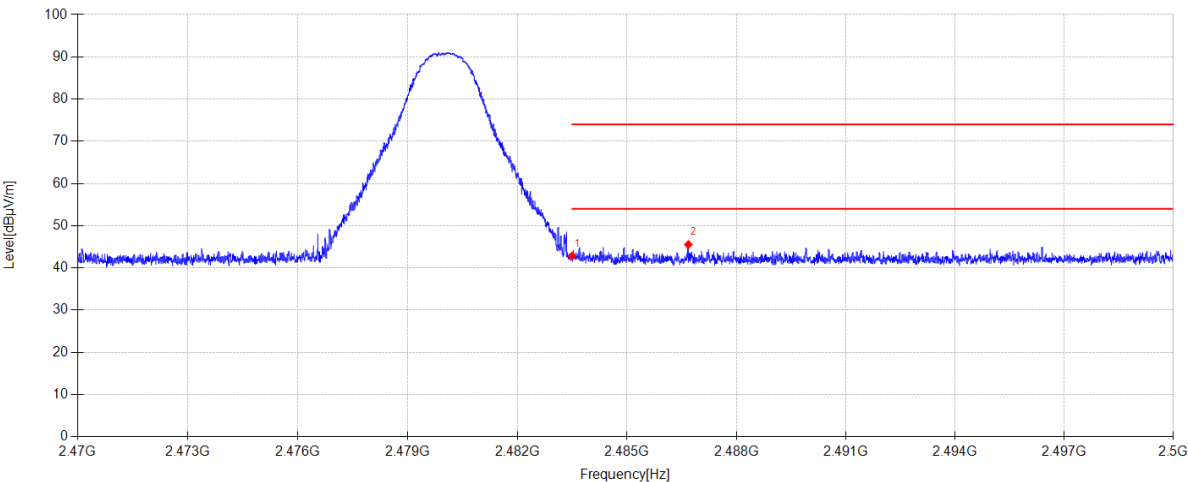
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\7

Memo:

Sample Number: S24103004-016 Left Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 11.68            | 27.53               | 3.62            | 0.00     | 42.83          | 74.00          | 31.17       | PK       | Vertical |
| 2         | 2486.680    | 14.37            | 27.55               | 3.62            | 0.00     | 45.54          | 74.00          | 28.46       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

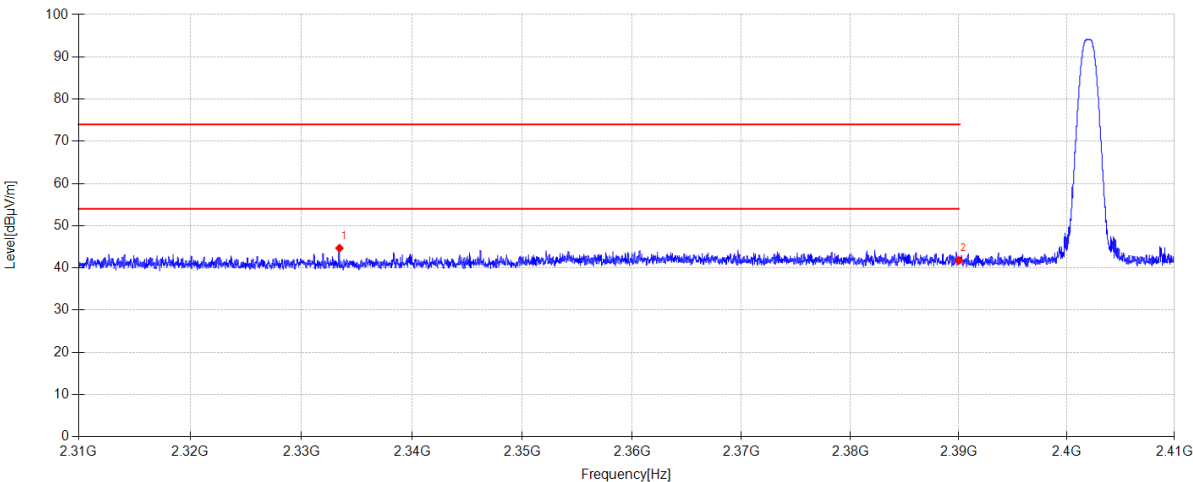
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\24

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2333.440    | 14.14            | 27.00               | 3.54            | 0.00     | 44.68          | 74.00          | 29.32       | PK       | Vertical |
| 2         | 2390.000    | 10.96            | 27.26               | 3.57            | 0.00     | 41.79          | 74.00          | 32.21       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 2DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

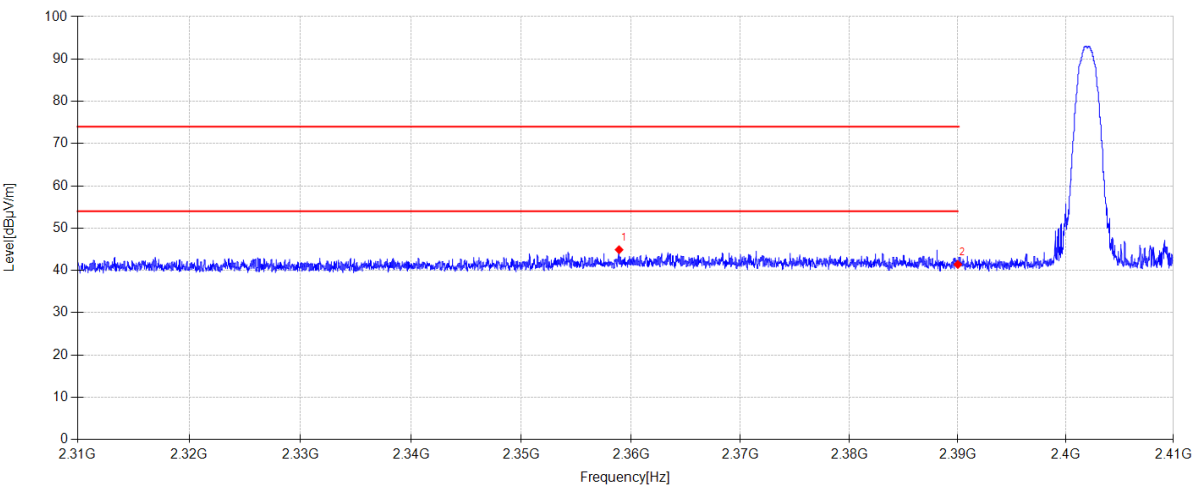
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\23

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2358.900    | 14.21            | 27.14               | 3.55            | 0.00     | 44.90          | 74.00          | 29.10       | PK       | Vertical |
| 2         | 2390.000    | 10.58            | 27.26               | 3.57            | 0.00     | 41.41          | 74.00          | 32.59       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2402 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

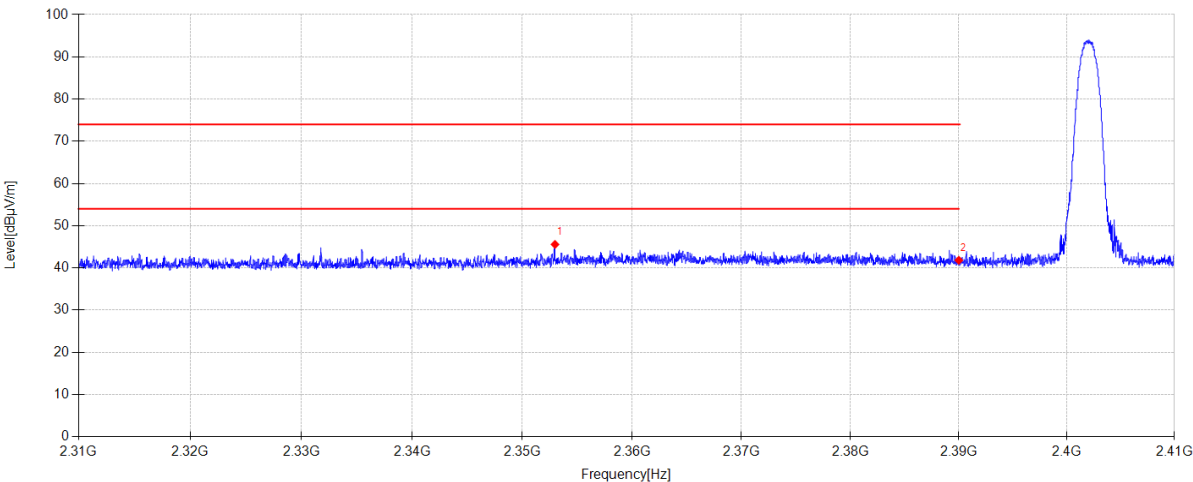
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\22

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2352.970    | 14.91            | 27.11               | 3.55            | 0.00     | 45.57          | 74.00          | 28.43       | PK       | Vertical |
| 2         | 2390.000    | 10.99            | 27.26               | 3.57            | 0.00     | 41.82          | 74.00          | 32.18       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

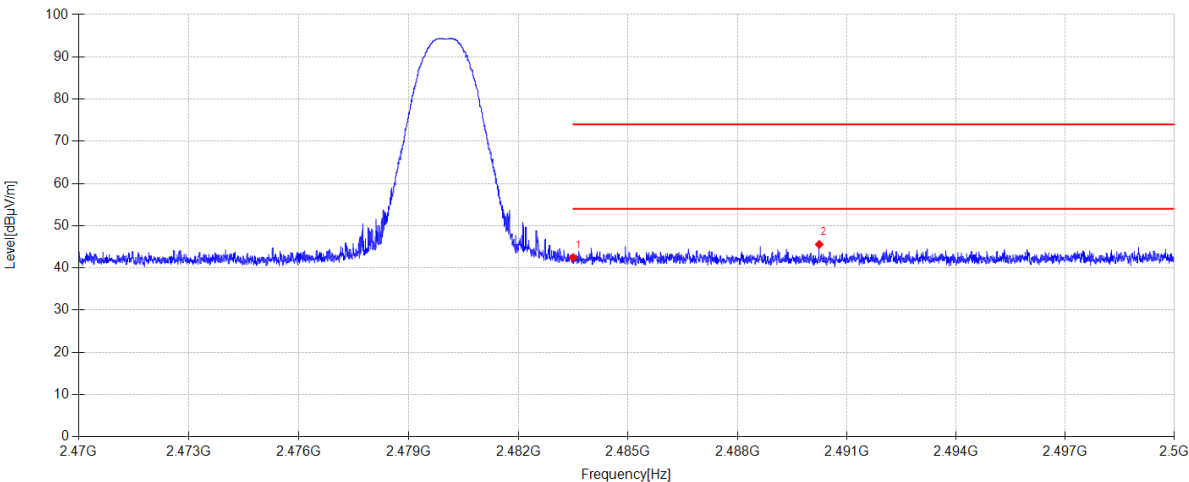
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\19

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO        | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 11.32            | 27.53               | 3.62            | 0.00     | 42.47          | 74.00          | 31.53       | PK       | Vertical |
| 2         | 2490.241    | 14.39            | 27.56               | 3.62            | 0.00     | 45.57          | 74.00          | 28.43       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 2DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

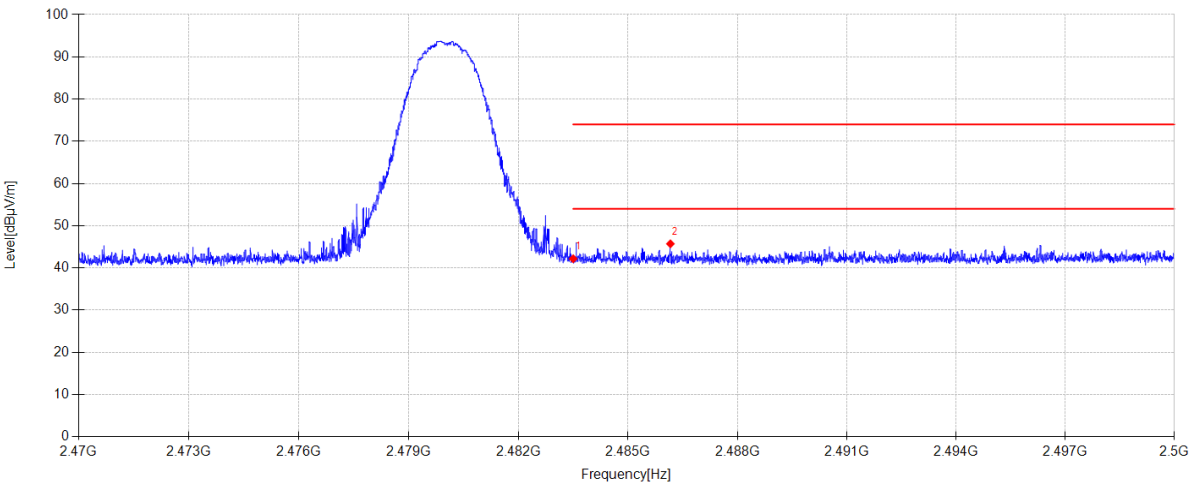
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\20

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 11.03            | 27.53               | 3.62            | 0.00     | 42.18          | 74.00          | 31.82       | PK       | Vertical |
| 2         | 2486.161    | 14.55            | 27.54               | 3.62            | 0.00     | 45.71          | 74.00          | 28.29       | 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:

2024-12-09

Tested By:

Guoyuan Lin

EUT:

WIRELESS HEADPHONES

Model Number:

HA-EC75T

Test Mode:

TX 3DH5 2480 MHz Mode

Power Supply:

DC 5V

Condition:

Temp:23.3°C;Humi:44.2%

Test Site:

DDT 3# Chamber

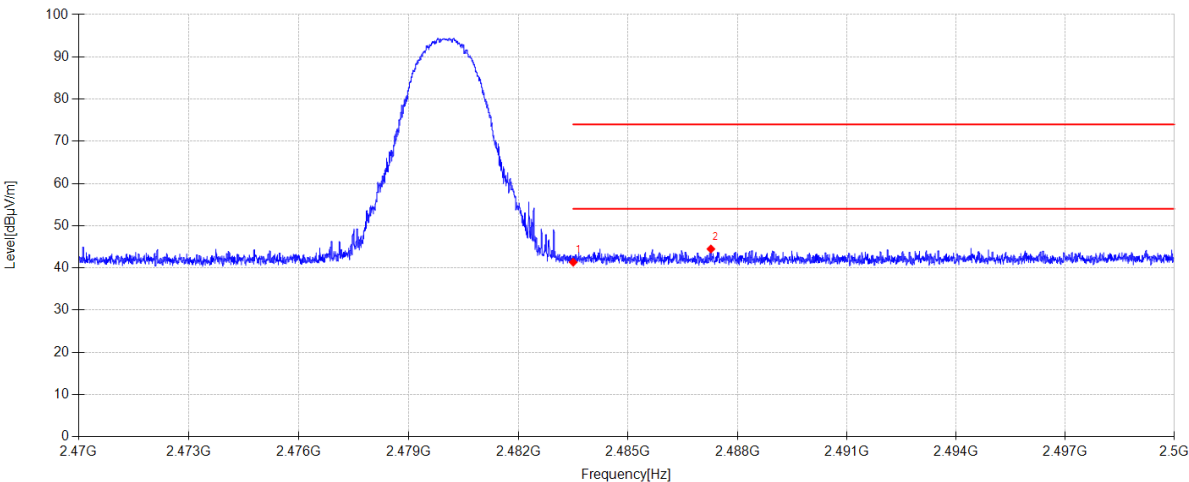
File Path:

d:\ts\2024 report data\Q24103004-1E\FCC Above 1G BT\21

Memo:

Sample Number: S24103004-016 Right Side

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2483.500    | 10.21            | 27.53               | 3.62            | 0.00     | 41.36          | 74.00          | 32.64       | PK       | Vertical |
| 2         | 2487.271    | 13.32            | 27.55               | 3.62            | 0.00     | 44.49          | 74.00          | 29.51       | 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.

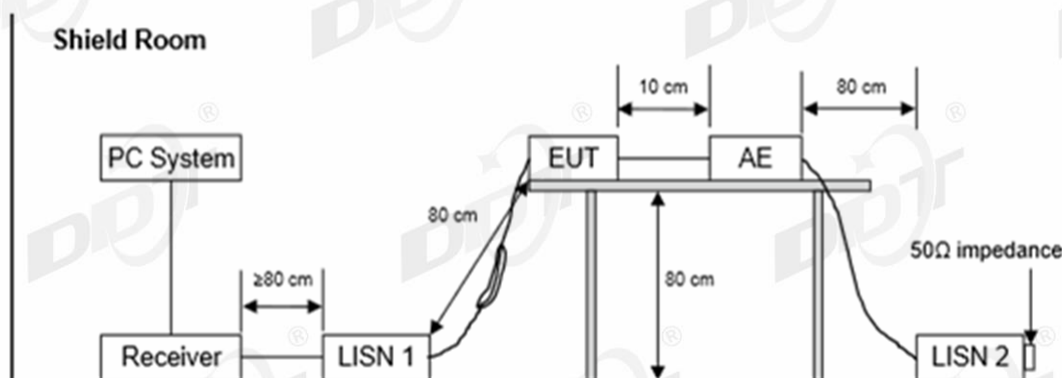
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## 16.Power Line Conducted Emissions

### 16.1. Test equipment

| Equipment                                 | Manufacturer    | Model No.     | Serial No.  | Cal Due To |
|-------------------------------------------|-----------------|---------------|-------------|------------|
| EMI Test Receiver                         | R&S             | ESCI/E3       | DDT-ZC01297 | 2025/07/08 |
| Conducted Radiated Software               | Audix           | E3            | DDT-ZC00562 | /          |
| Two Line V-Network                        | R&S             | ENV216        | DDT-ZC02056 | 2025/07/08 |
| Two Line V-Network                        | R&S             | ENV216        | DDT-ZC02059 | 2025/07/08 |
| $\Delta$ -shaped artificial power network | SCHWARZBEC K    | PVDC 8301     | DDT-ZC03939 | 2025/03/31 |
| Pulse Limiter                             | SCHWARZBEC K    | VTSD 9561     | DDT-ZC02128 | 2025/07/08 |
| RF Cable                                  | Yuhu Technology | Z806-NJ-NJ-6M | DDT-ZC02004 | 2025/07/08 |
| Three-phase artificial power network      | SCHWARZBEC K    | NSLK 8163     | DDT-ZC01572 | 2025/07/08 |

### 16.2. Block diagram of test setup



### 16.3. Limits

| Frequency       | Quasi-Peak Level dB(uV) | Average Level dB(uV) |
|-----------------|-------------------------|----------------------|
| 150 kHz~500 kHz | 66 ~ 56*                | 56 ~ 46*             |
| 500 kHz~5 MHz   | 56                      | 46                   |
| 5 MHz~30 MHz    | 60                      | 50                   |

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

#### 16.4. Assistant equipment used for test

| Assistant equipment | Manufacturer                         | Model number | Description            | other                                                         |
|---------------------|--------------------------------------|--------------|------------------------|---------------------------------------------------------------|
| Adapter             | HUAWEI                               | HW-100400C01 | Huawei Fast Charge 2 # | Input: 100-240V~50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX |
| Charging case       | Dongguan Siyoto Electronics Co.,Ltd. | HA-EC75T     | N/A                    | CAPACITY: DC 3.7V/600mAh 2.22Wh, INPUT: DC 5V/320 mA          |

#### 16.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

#### 16.6. Test result

##### **PASS. (See below detailed test result)**

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means Peak detection; “----” means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

16.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 6# Shield Room

Test Date

: 2024-12-19

EUT

: WIRELESS HEADPHONES

Power Supply

: AC 120V/60Hz

Condition

: Temp:21.9°C,Humi:52.5%

Memo

: Sample Number: S24103004-016

Tested By

: Genliu

Model Number

: HA-EC75T

Test Mode

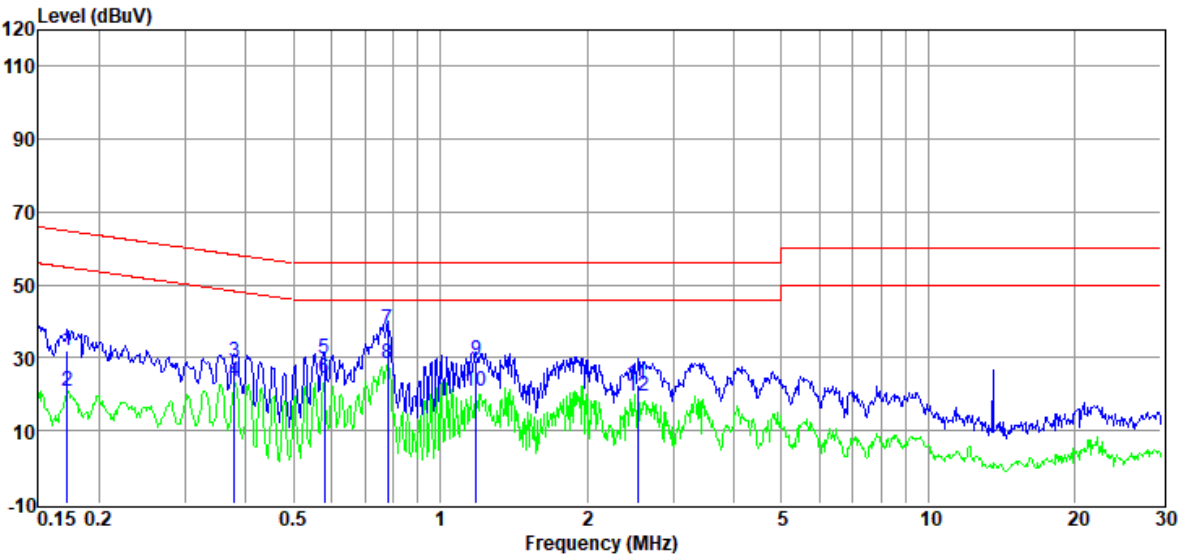
: Tx mode

LISN

: 2024 ENV216 3#/NEUTRAL

D:\2024 Report Date\Q24103001-1E\1219 CE.EM6

Data: 2



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase   |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|---------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |         |
| 1      | 0.17  | 12.28      | 9.77        | 0.07       | 9.83                 | 31.95        | 64.86      | -32.91     | QP       | NEUTRAL |
| 2      | 0.17  | 1.02       | 9.77        | 0.07       | 9.83                 | 20.69        | 54.86      | -34.17     | Average  | NEUTRAL |
| 3      | 0.38  | 9.30       | 9.76        | 0.08       | 9.83                 | 28.97        | 58.30      | -29.33     | QP       | NEUTRAL |
| 4      | 0.38  | 3.83       | 9.76        | 0.08       | 9.83                 | 23.50        | 48.30      | -24.80     | Average  | NEUTRAL |
| 5      | 0.58  | 10.25      | 9.75        | 0.09       | 9.83                 | 29.92        | 56.00      | -26.08     | QP       | NEUTRAL |
| 6      | 0.58  | 4.57       | 9.75        | 0.09       | 9.83                 | 24.24        | 46.00      | -21.76     | Average  | NEUTRAL |
| 7      | 0.78  | 18.04      | 9.75        | 0.05       | 9.84                 | 37.68        | 56.00      | -18.32     | QP       | NEUTRAL |
| 8      | 0.78  | 8.92       | 9.75        | 0.05       | 9.84                 | 28.56        | 46.00      | -17.44     | Average  | NEUTRAL |
| 9      | 1.18  | 9.75       | 9.76        | 0.12       | 9.84                 | 29.47        | 56.00      | -26.53     | QP       | NEUTRAL |
| 10     | 1.18  | 1.31       | 9.76        | 0.12       | 9.84                 | 21.03        | 46.00      | -24.97     | Average  | NEUTRAL |
| 11     | 2.54  | 2.99       | 9.77        | 0.11       | 9.84                 | 22.71        | 56.00      | -33.29     | QP       | NEUTRAL |
| 12     | 2.54  | -0.37      | 9.77        | 0.11       | 9.84                 | 19.35        | 46.00      | -26.65     | Average  | NEUTRAL |

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.  
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).  
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 6# Shield Room

Test Date

: 2024-12-19

EUT

: WIRELESS HEADPHONES

Power Supply

: AC 120V/60Hz

Condition

: Temp:21.9°C,Humi:52.5%

Memo

: Sample Number: S24103004-016

D:\2024 Report Date\Q24103001-1E\1219 CE.EM6

Tested By

: Genliu

Model Number

: HA-EC75T

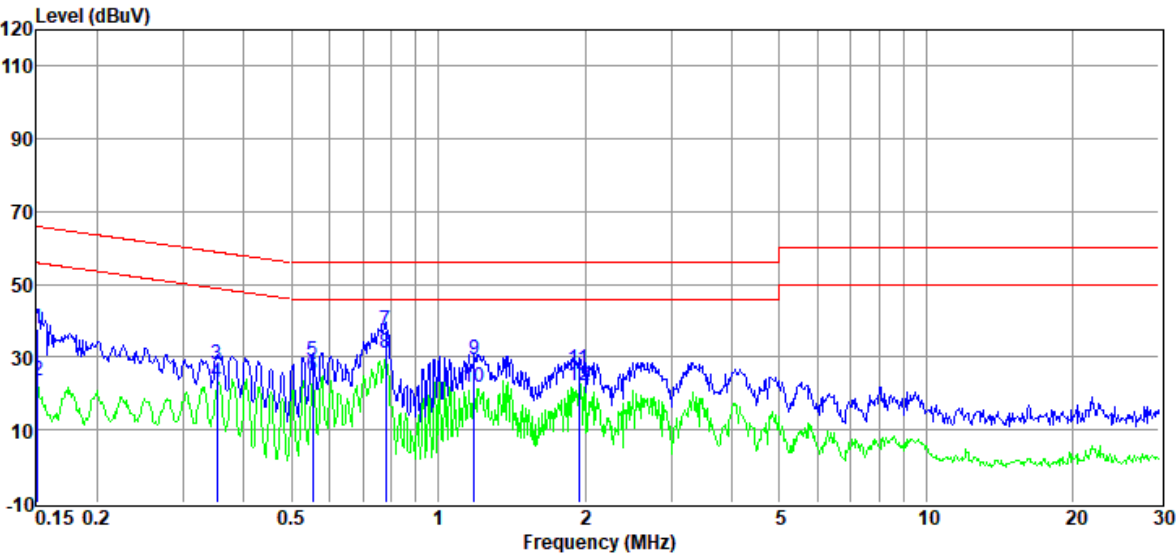
Test Mode

: Tx mode

LISN

: 2024 ENV216 3#/LINE

Data: 4



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|-------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |       |
| 1      | 0.15  | 18.08      | 9.78        | 0.07       | 9.83                 | 37.76        | 65.96      | -28.20     | QP       | LINE  |
| 2      | 0.15  | 3.90       | 9.78        | 0.07       | 9.83                 | 23.58        | 55.96      | -32.38     | Average  | LINE  |
| 3      | 0.35  | 8.39       | 9.76        | 0.08       | 9.83                 | 28.06        | 58.91      | -30.85     | QP       | LINE  |
| 4      | 0.35  | 3.30       | 9.76        | 0.08       | 9.83                 | 22.97        | 48.91      | -25.94     | Average  | LINE  |
| 5      | 0.55  | 9.07       | 9.75        | 0.10       | 9.83                 | 28.75        | 56.00      | -27.25     | QP       | LINE  |
| 6      | 0.55  | 5.14       | 9.75        | 0.10       | 9.83                 | 24.82        | 46.00      | -21.18     | Average  | LINE  |
| 7      | 0.78  | 17.65      | 9.75        | 0.05       | 9.84                 | 37.29        | 56.00      | -18.71     | QP       | LINE  |
| 8      | 0.78  | 11.63      | 9.75        | 0.05       | 9.84                 | 31.27        | 46.00      | -14.73     | Average  | LINE  |
| 9      | 1.18  | 9.61       | 9.74        | 0.12       | 9.84                 | 29.31        | 56.00      | -26.69     | QP       | LINE  |
| 10     | 1.18  | 1.82       | 9.74        | 0.12       | 9.84                 | 21.52        | 46.00      | -24.48     | Average  | LINE  |
| 11     | 1.94  | 6.92       | 9.75        | 0.11       | 9.84                 | 26.62        | 56.00      | -29.38     | QP       | LINE  |
| 12     | 1.94  | 2.24       | 9.75        | 0.11       | 9.84                 | 21.94        | 46.00      | -24.06     | Average  | LINE  |

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.  
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).  
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## 18. Photos of the EUT

Please refer to DDT-Q24103004-2E appendix I

-----End Report-----