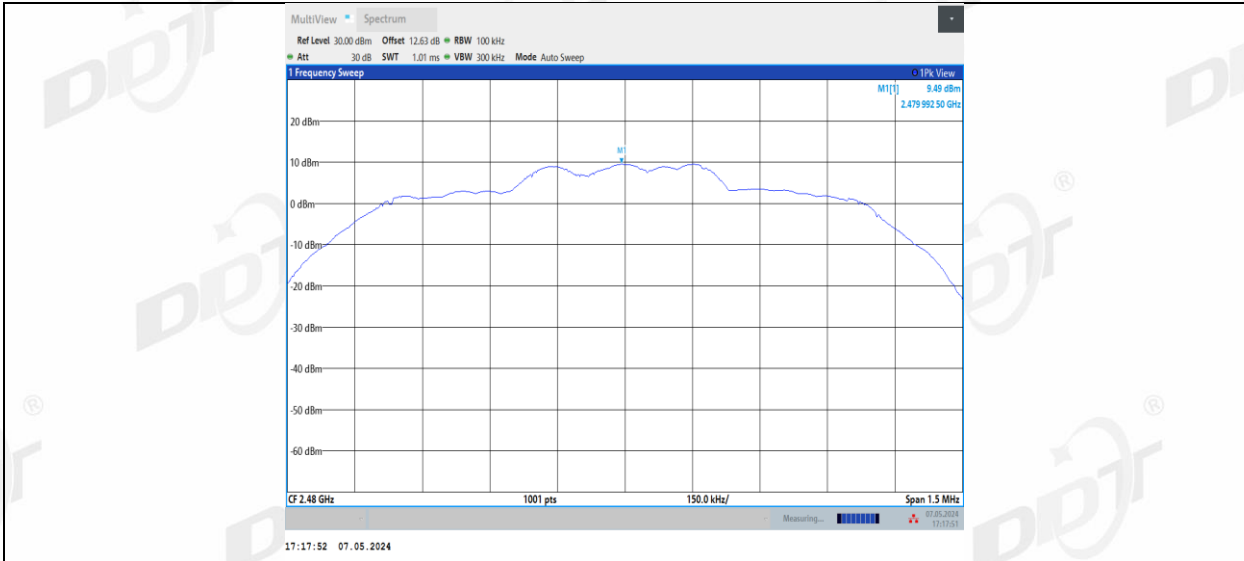
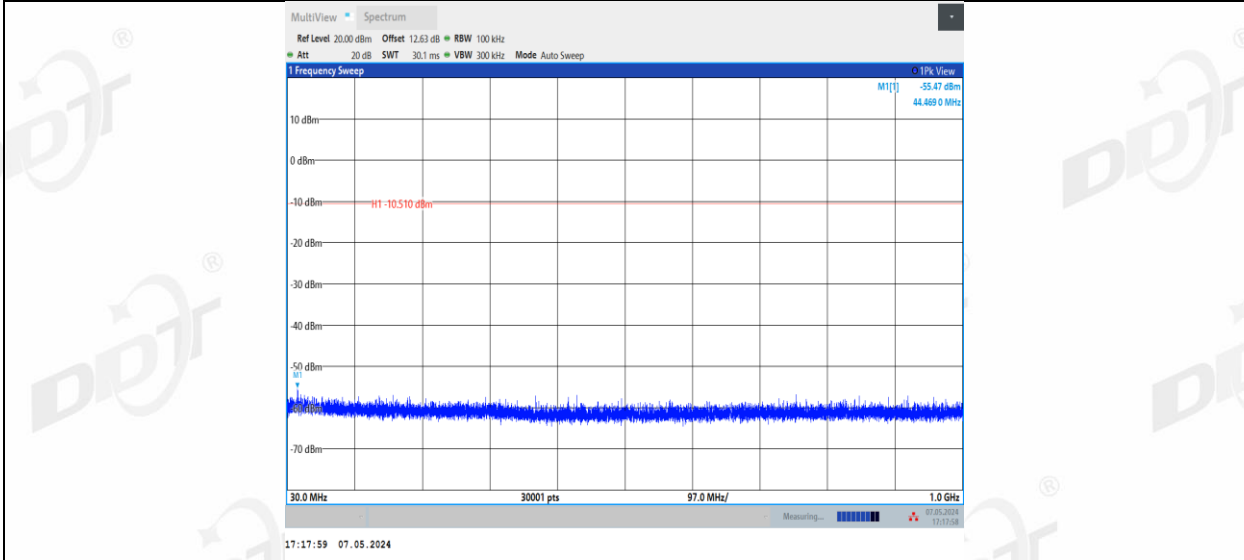
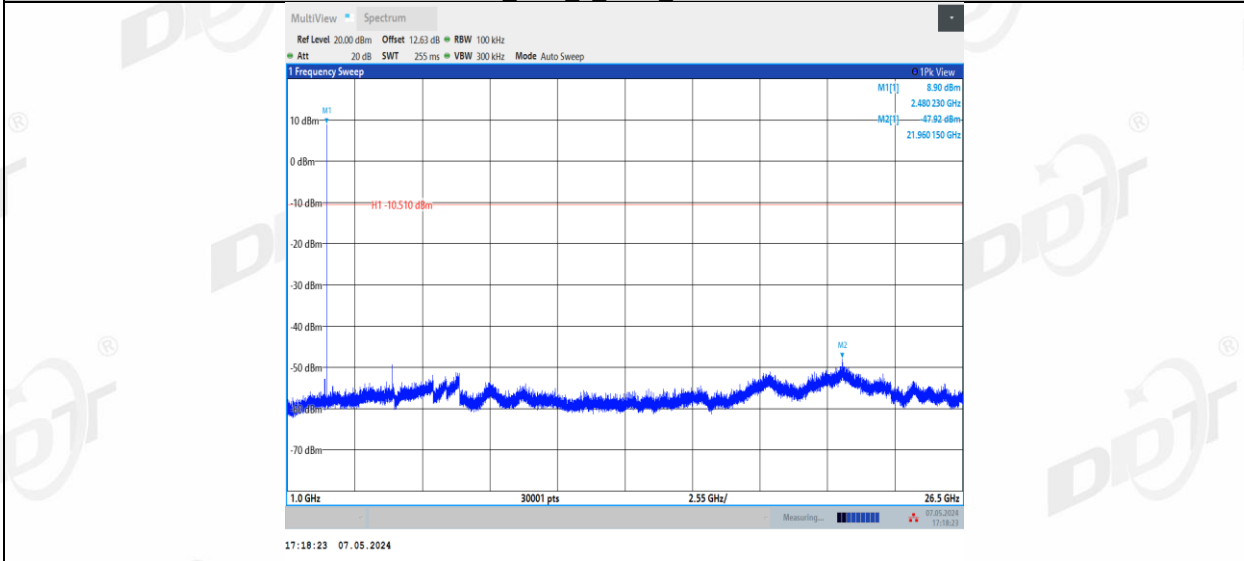




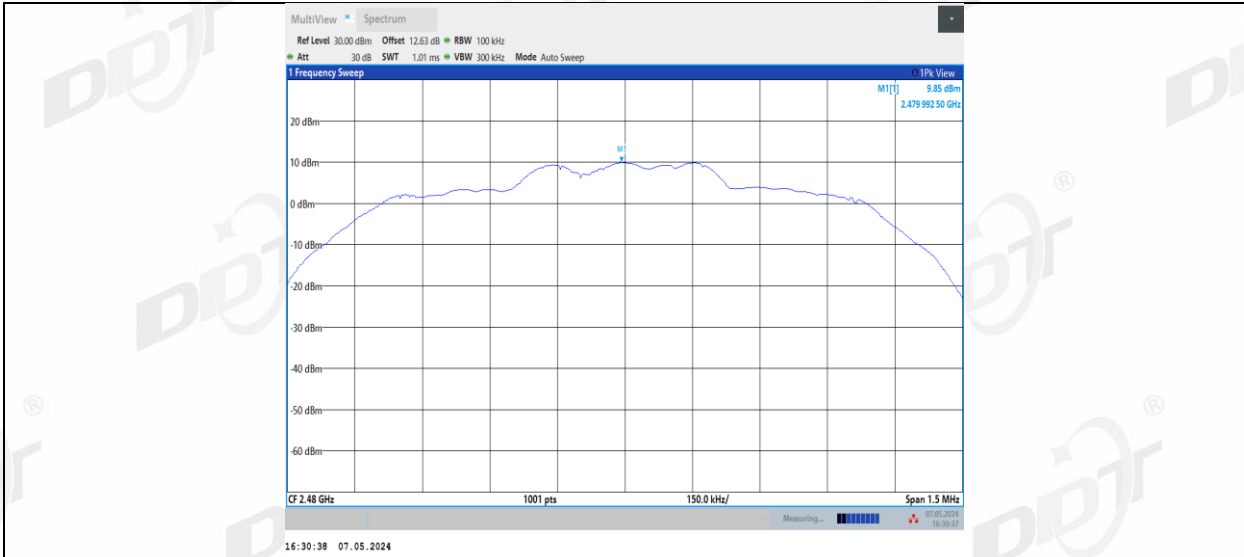
2DH5\_Ant1\_L\_2480\_30~1000



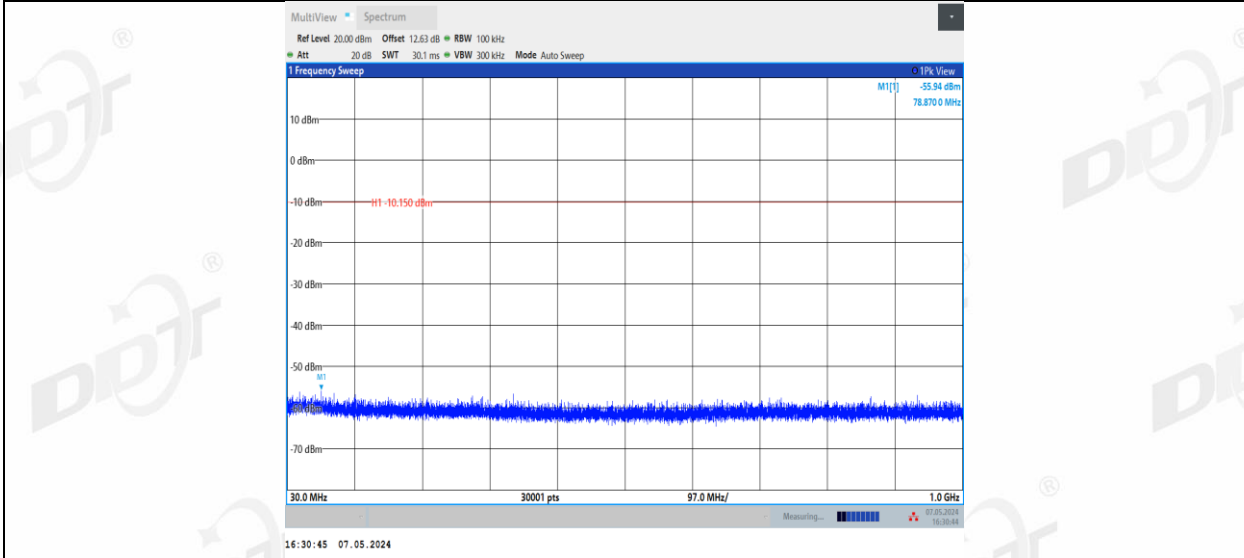
2DH5\_Ant1\_L\_2480\_1000~26500



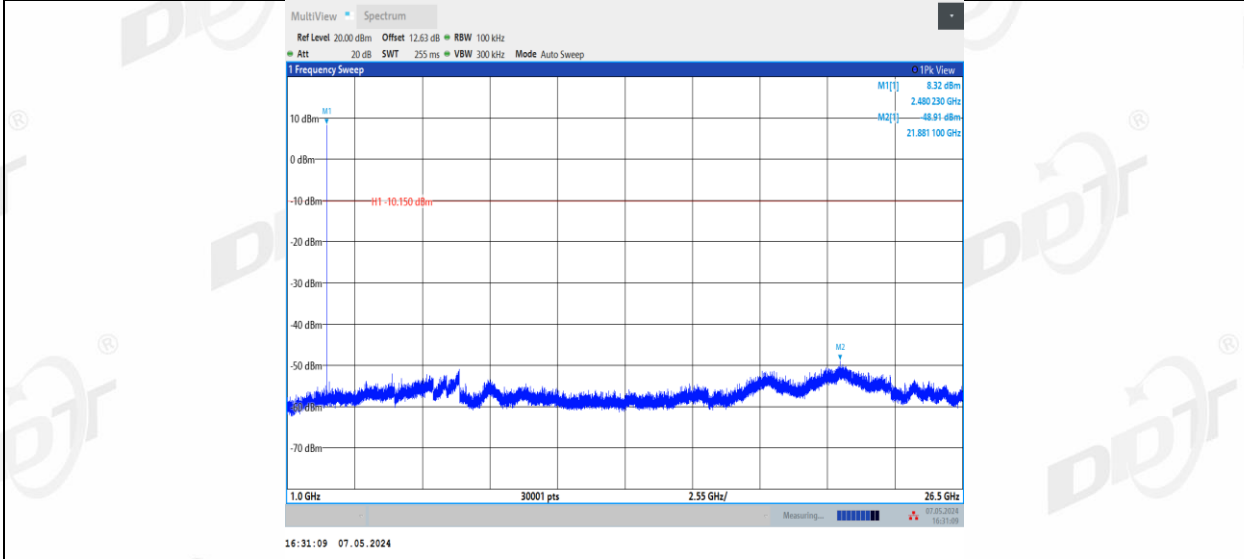
2DH5\_Ant2\_R\_2480\_0~Reference



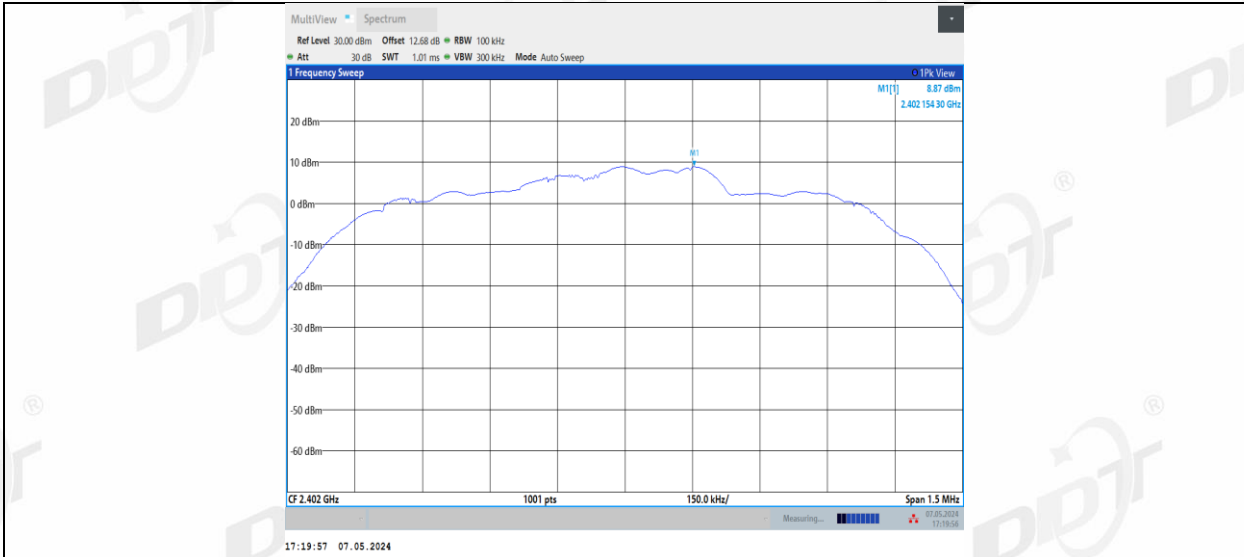
2DH5\_Ant2\_R\_2480\_30~1000



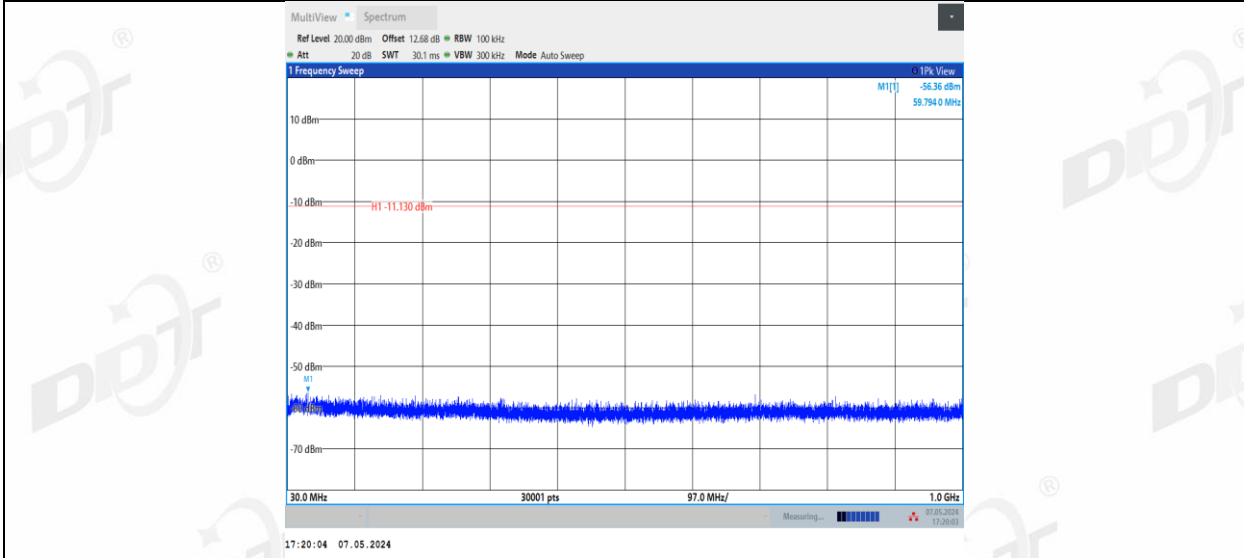
2DH5\_Ant2\_R\_2480\_1000~26500



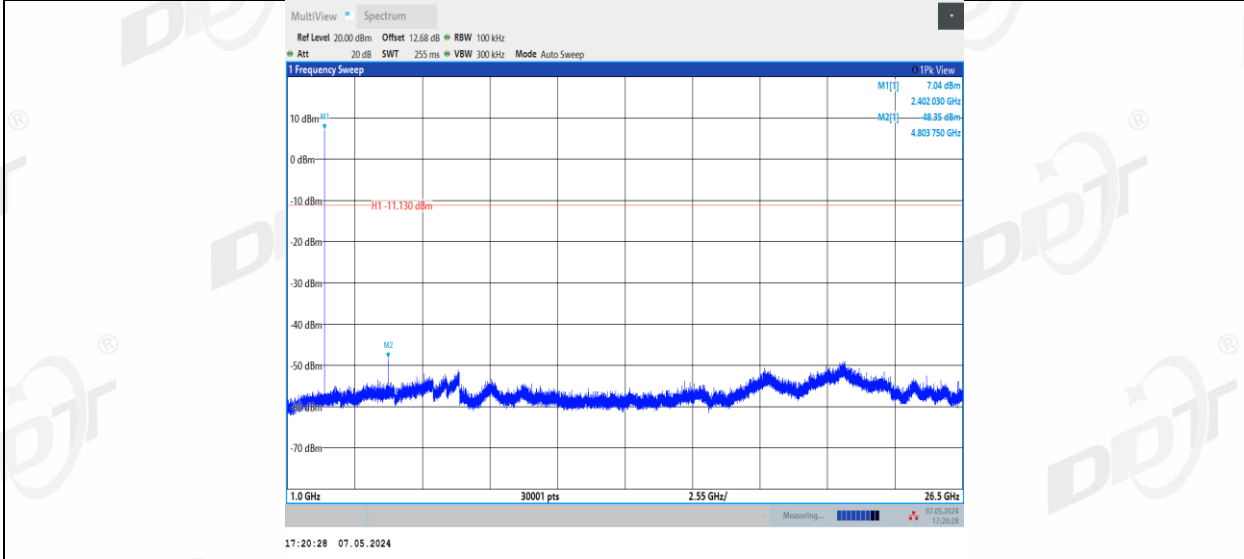
3DH5\_Ant1\_L\_2402\_0~Reference



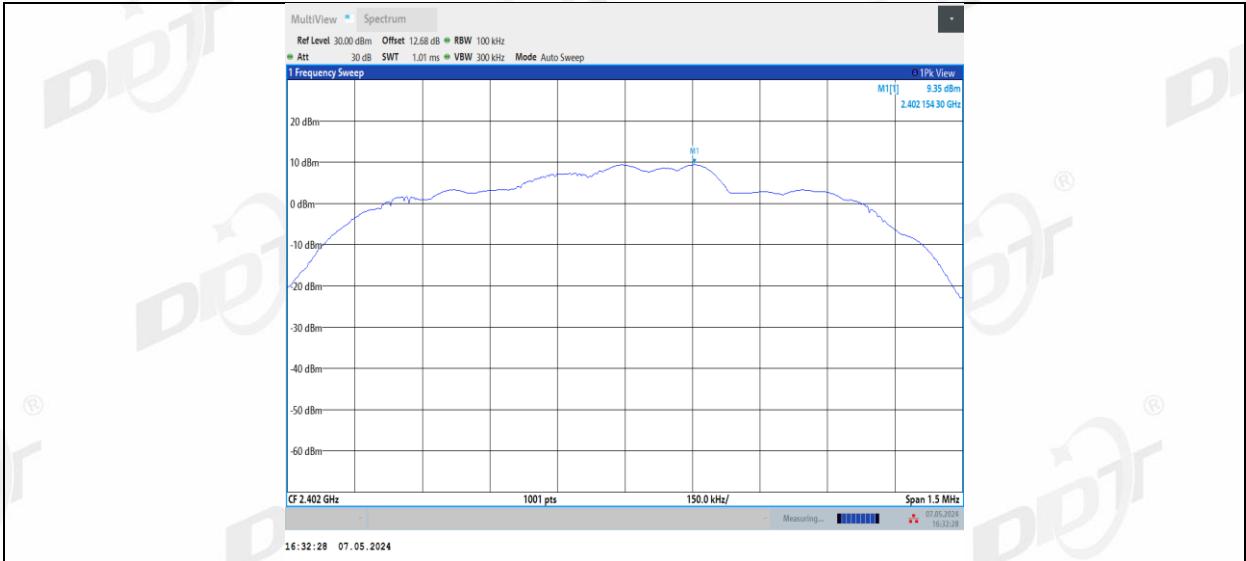
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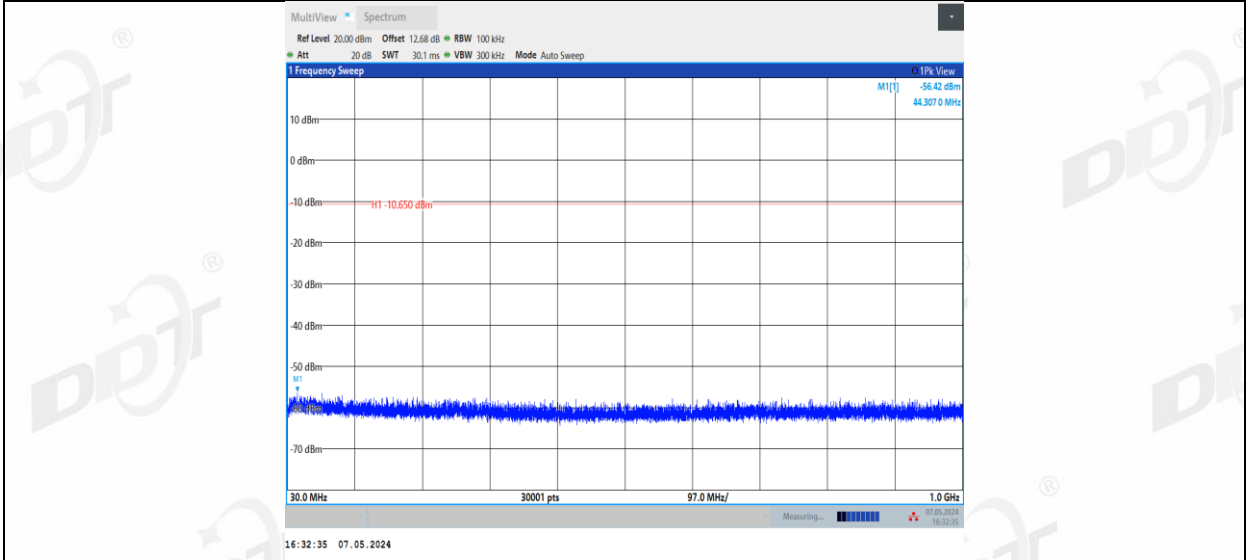
3DH5\_Ant1\_L\_2402\_1000~26500



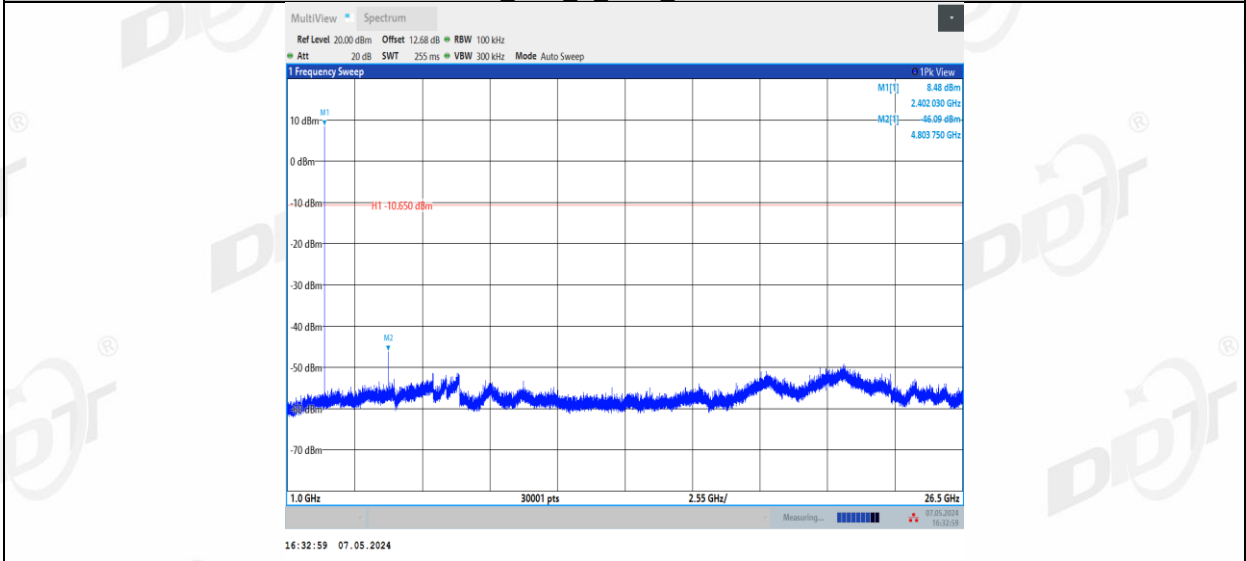
3DH5\_Ant2\_R\_2402\_0~Reference



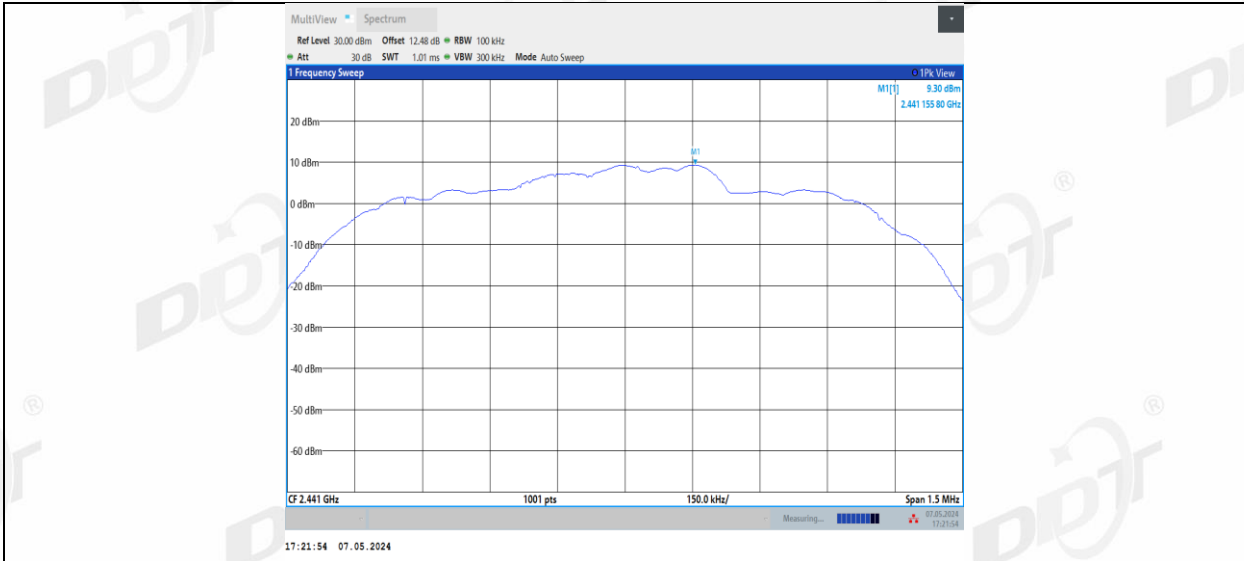
3DH5\_Ant2\_R\_2402\_30~1000



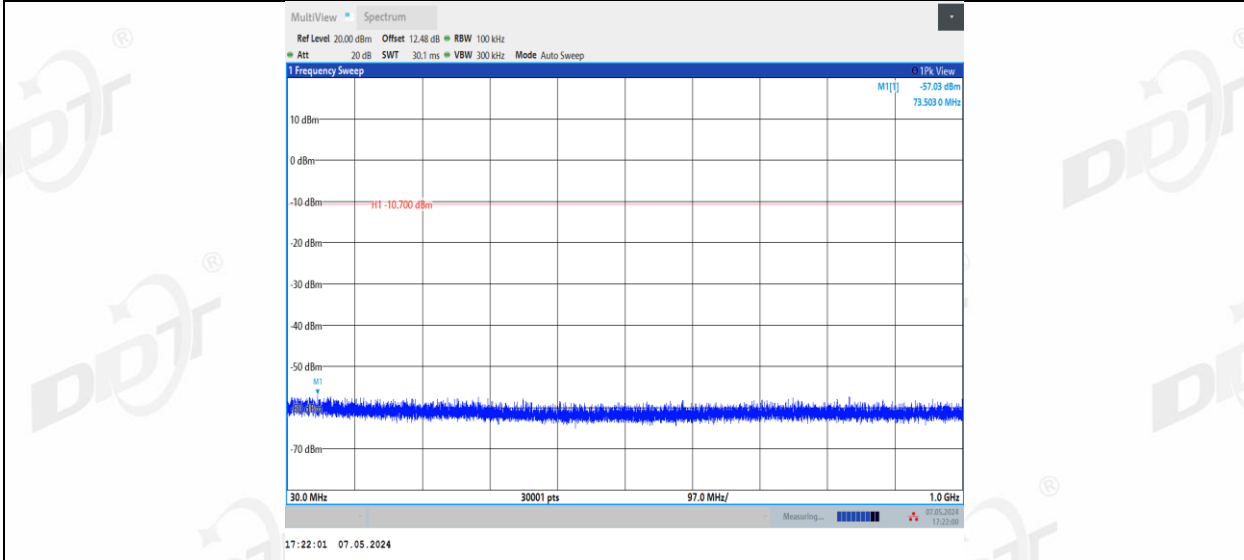
3DH5\_Ant2\_R\_2402\_1000~26500



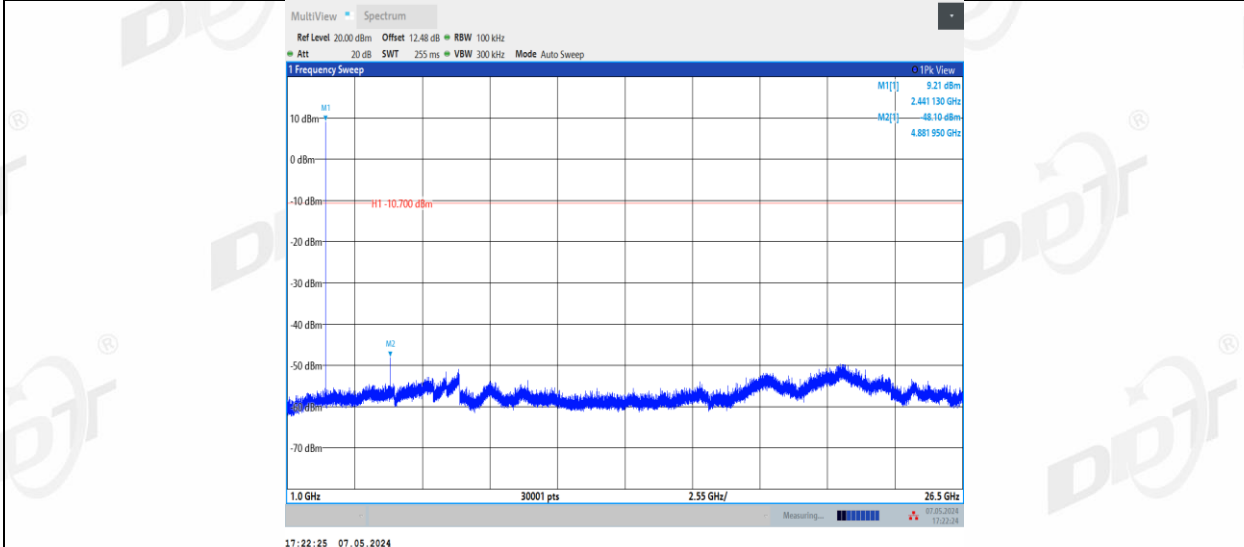
3DH5\_Ant1\_L\_2441\_0~Reference



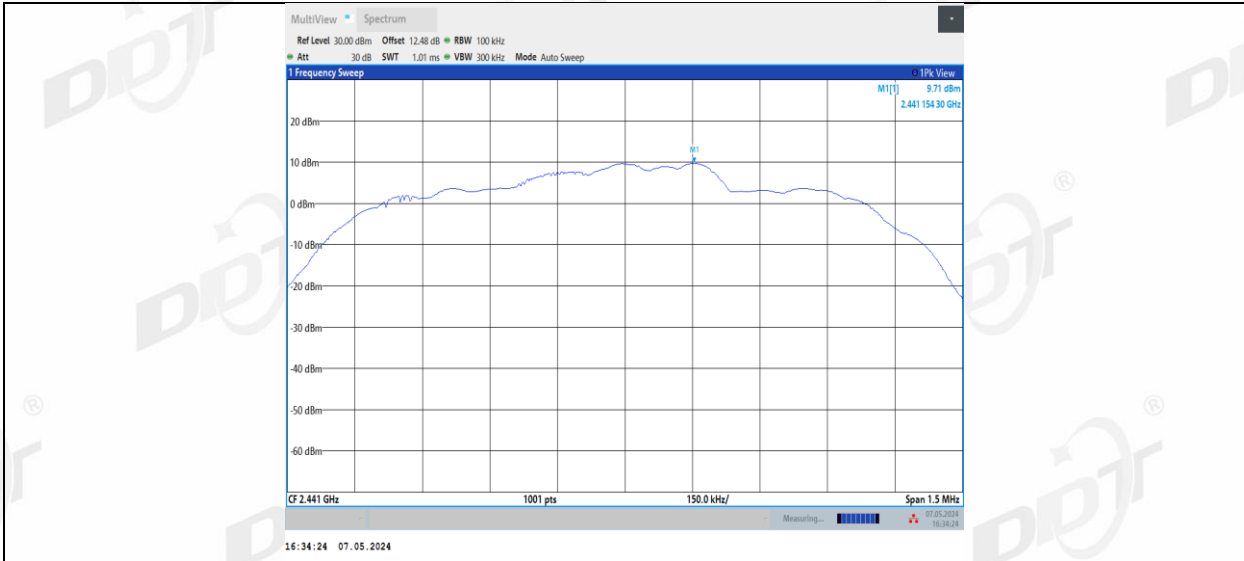
3DH5\_Ant1\_L\_2441\_30~1000



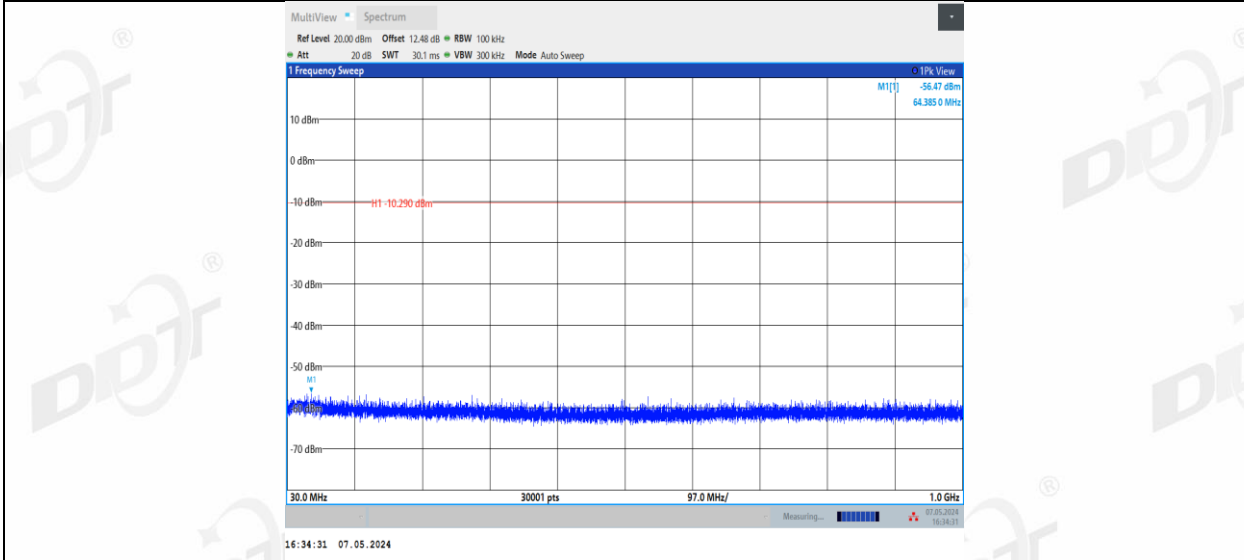
3DH5\_Ant1\_L\_2441\_1000~26500



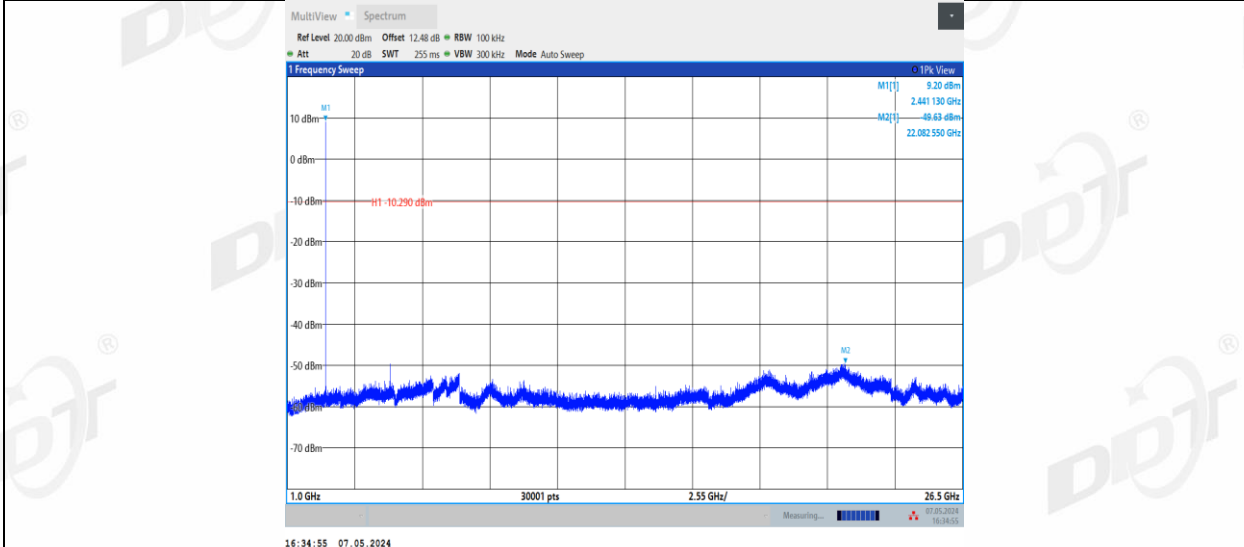
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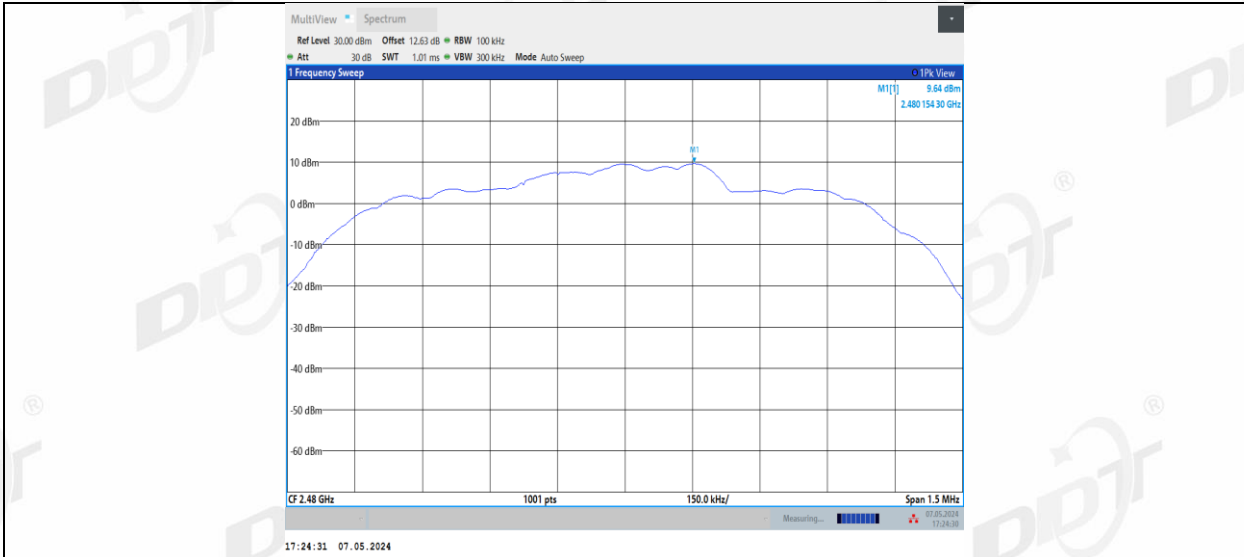
3DH5\_Ant2\_R\_2441\_30~1000



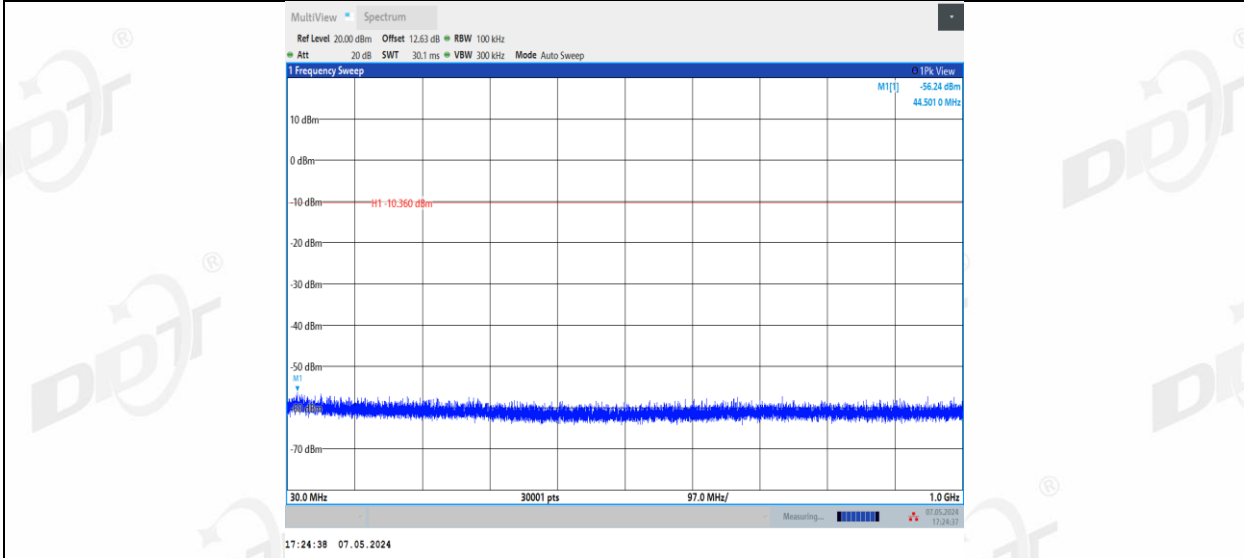
3DH5\_Ant2\_R\_2441\_1000~26500



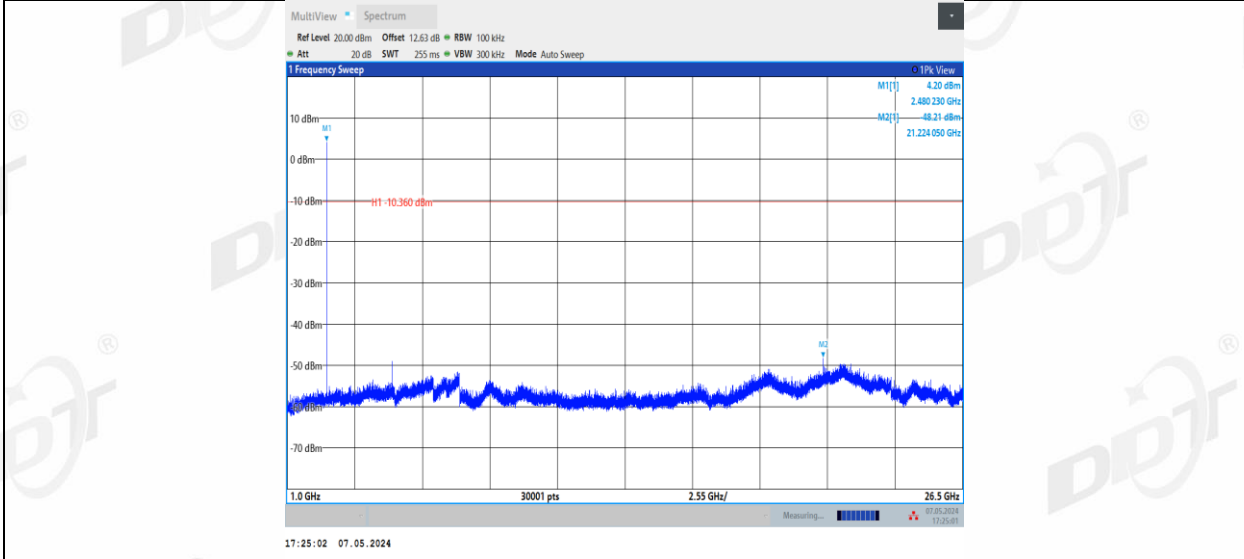
3DH5\_Ant1\_L\_2480\_0~Reference



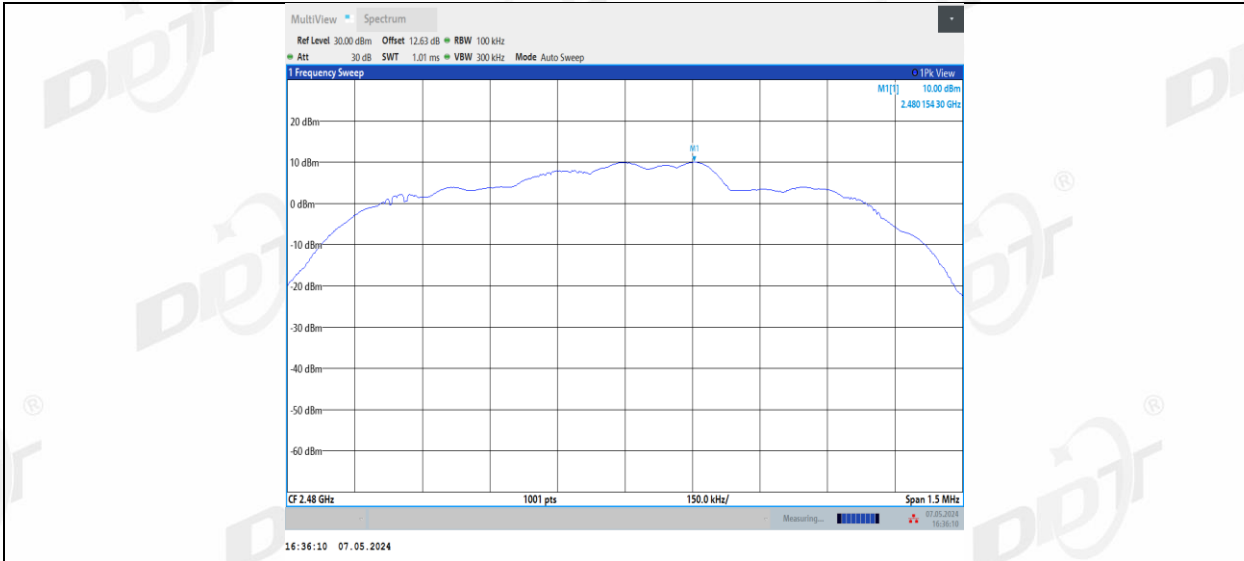
3DH5\_Ant1\_L\_2480\_30~1000



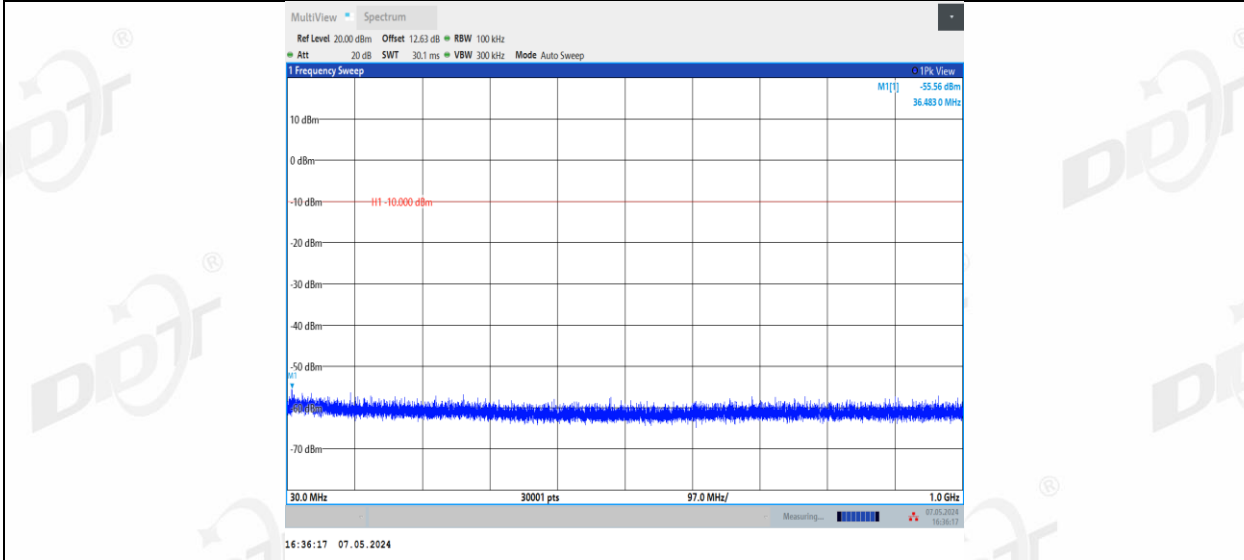
3DH5\_Ant1\_L\_2480\_1000~26500



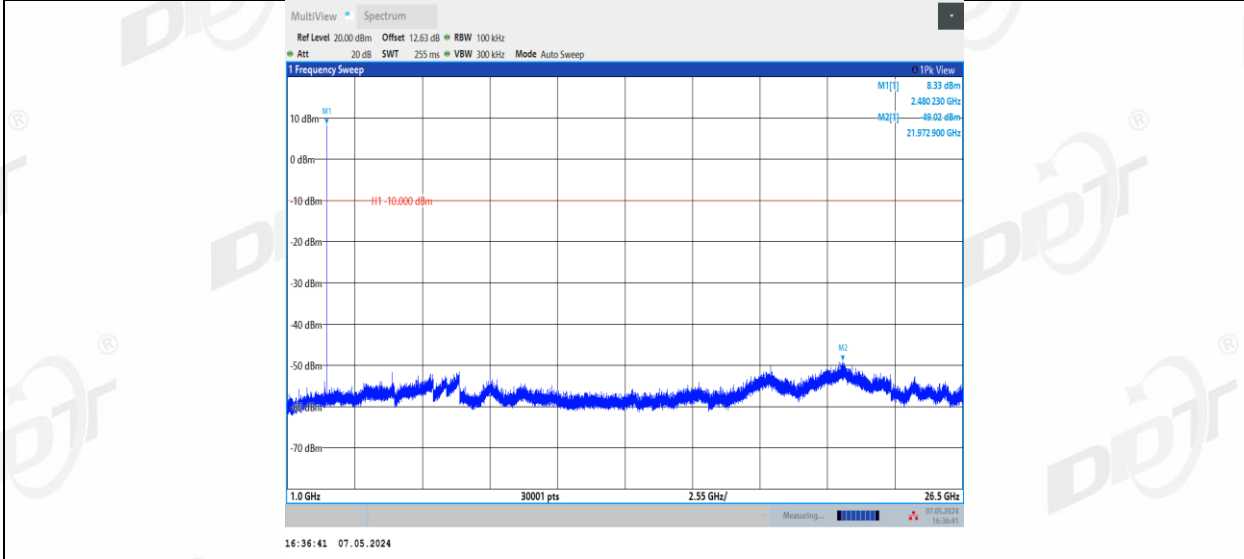
3DH5\_Ant2\_R\_2480\_0~Reference



3DH5\_Ant2\_R\_2480\_30~1000



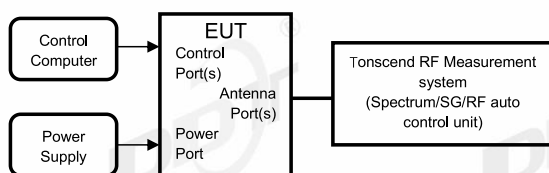
3DH5\_Ant2\_R\_2480\_1000~26500





## 12. Duty cycle

### 12.1. Block diagram of test setup



### 12.2. Limit

Just for Report.

### 12.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.

set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the middle hopping channel.

Resolution BW: 10 MHz.

Video BW: 10 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Clear Write.

Sweep: Video Trigger

- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

- (3) Calculate dwell time follow below formula:

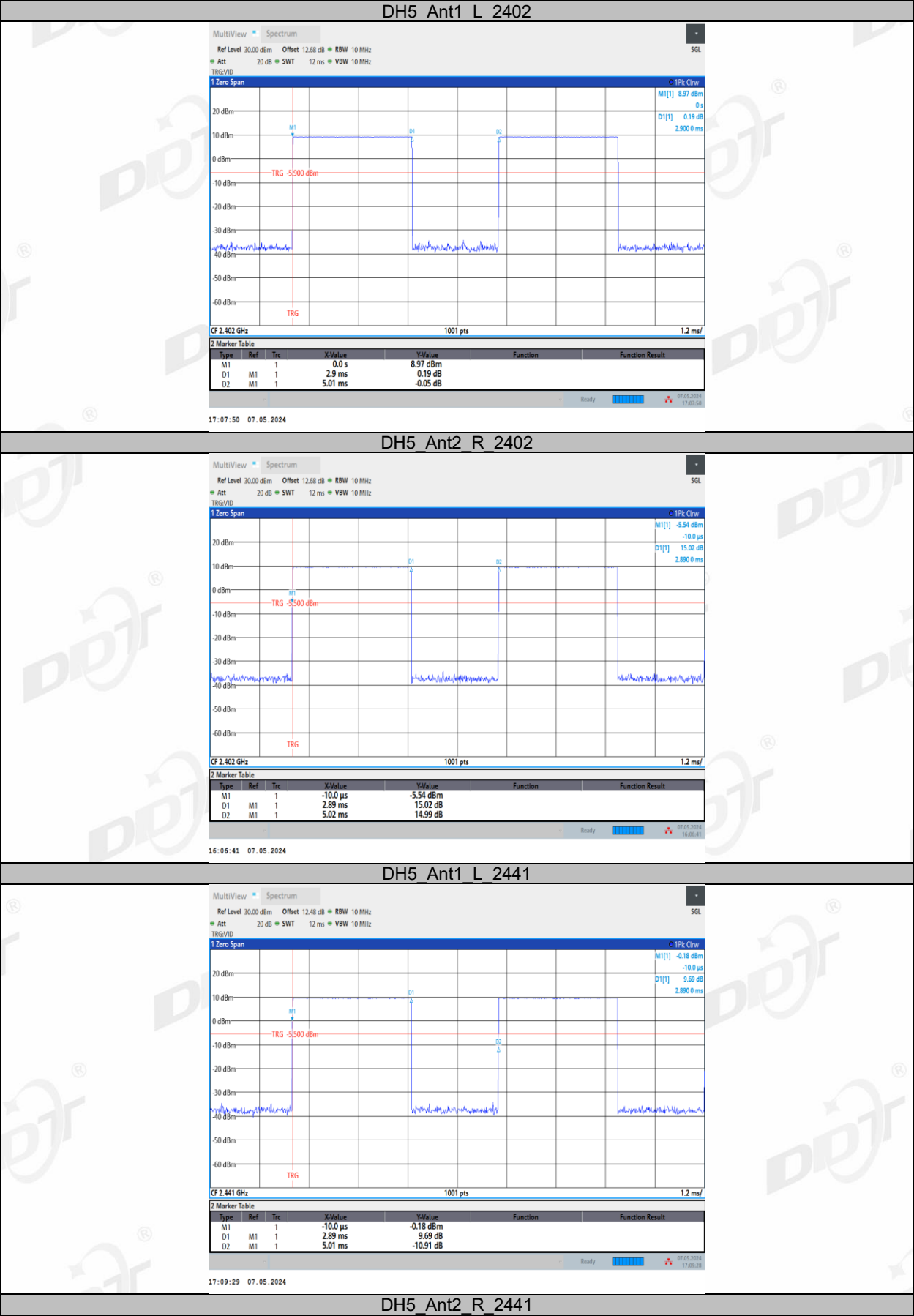
Duty cycle= Pulse's on time / Burst cycle

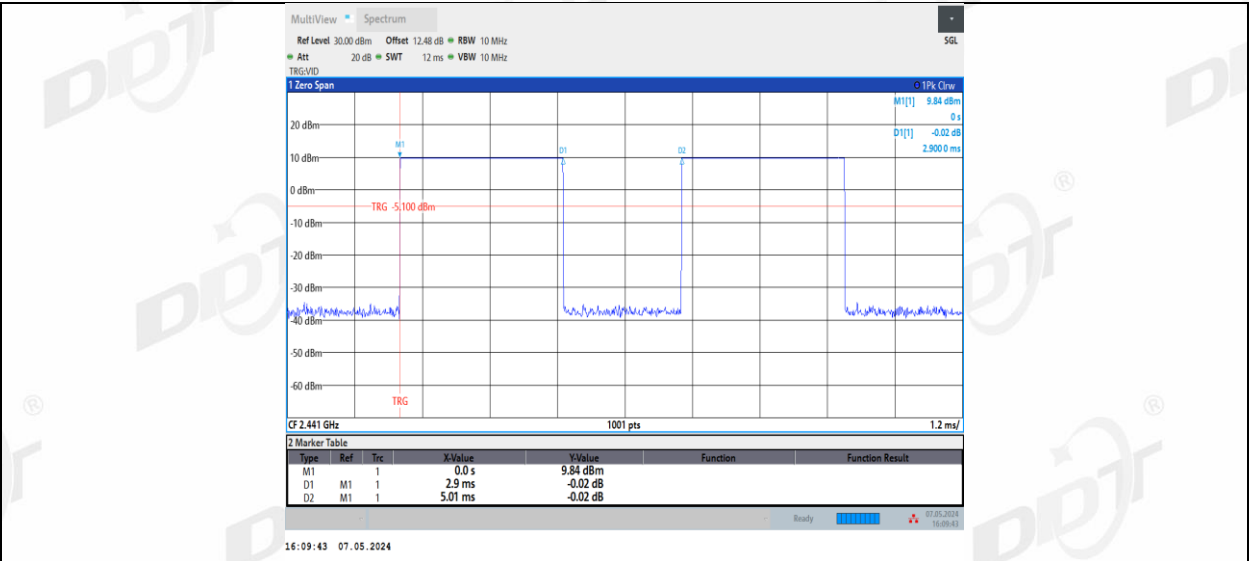
12.4. Test result

|                    |               |                |                          |
|--------------------|---------------|----------------|--------------------------|
| Test Engineer:     | Haofeng       | Test Site:     | RF Measurement System 4# |
| Ambient Condition: | 23.6℃,56.2%RH | Test Date:     | 2024.05.07               |
| Test Power Supply: | Battery       | Sample Number: | S24031401-001            |

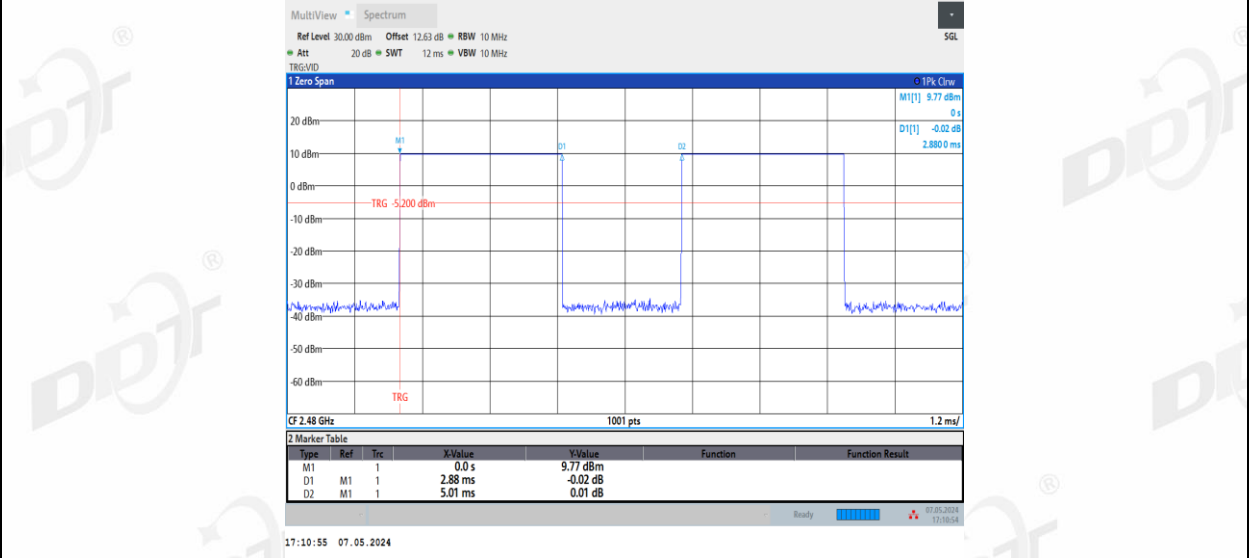
| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|-----------------------|
| DH5       | Ant1_L  | 2402            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant2_R  | 2402            | 2.89         | 5.02        | 57.57          | 2.40                  |
|           | Ant1_L  | 2441            | 2.89         | 5.01        | 57.68          | 2.39                  |
|           | Ant2_R  | 2441            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant1_L  | 2480            | 2.88         | 5.01        | 57.49          | 2.40                  |
|           | Ant2_R  | 2480            | 2.89         | 5.00        | 57.80          | 2.38                  |
| 2DH5      | Ant1_L  | 2402            | 2.90         | 5.00        | 58.00          | 2.37                  |
|           | Ant2_R  | 2402            | 2.89         | 5.01        | 57.68          | 2.39                  |
|           | Ant1_L  | 2441            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant2_R  | 2441            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant1_L  | 2480            | 2.89         | 5.01        | 57.68          | 2.39                  |
|           | Ant2_R  | 2480            | 2.90         | 5.01        | 57.88          | 2.37                  |
| 3DH5      | Ant1_L  | 2402            | 2.89         | 5.00        | 57.80          | 2.38                  |
|           | Ant2_R  | 2402            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant1_L  | 2441            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant2_R  | 2441            | 2.90         | 5.01        | 57.88          | 2.37                  |
|           | Ant1_L  | 2480            | 2.89         | 5.00        | 57.80          | 2.38                  |
|           | Ant2_R  | 2480            | 2.90         | 5.00        | 58.00          | 2.37                  |

12.5. Test graphs

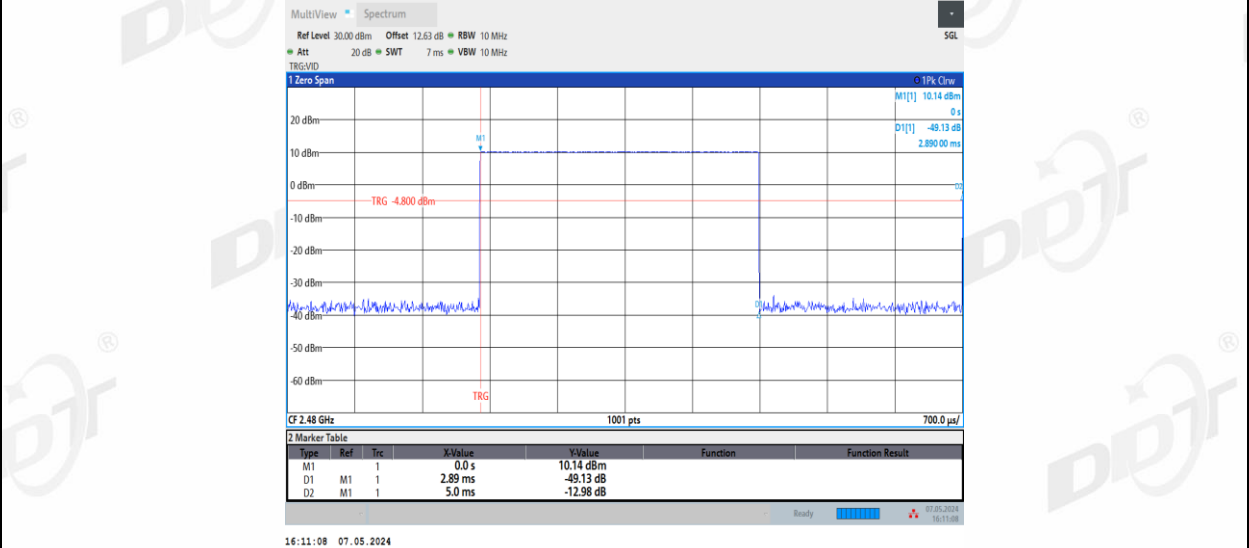




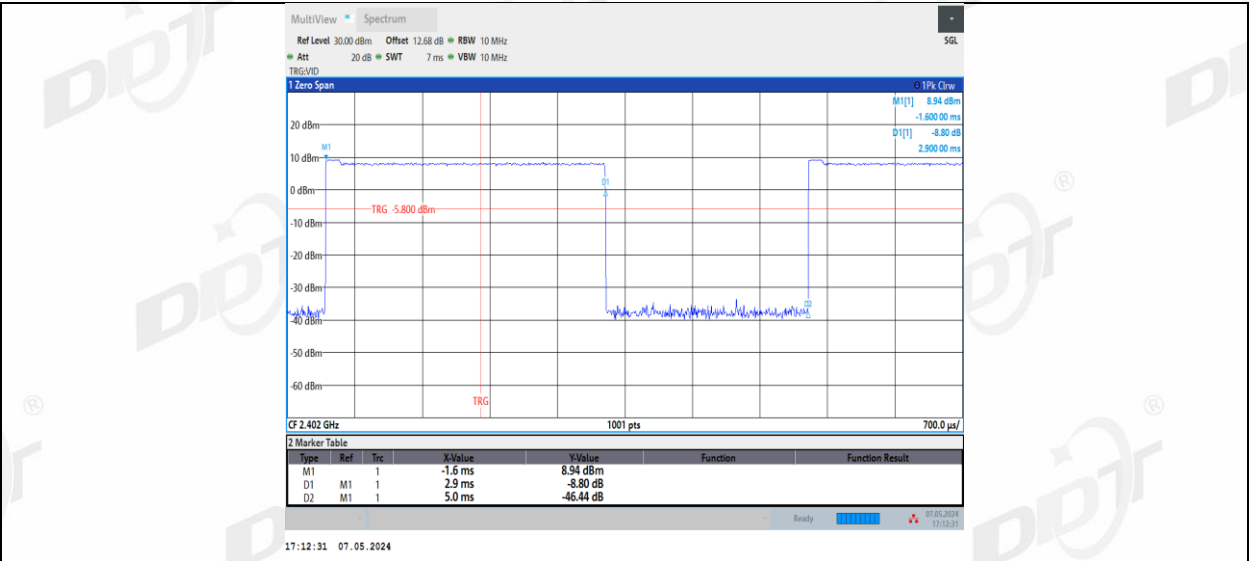
DH5\_Ant1\_L\_2480



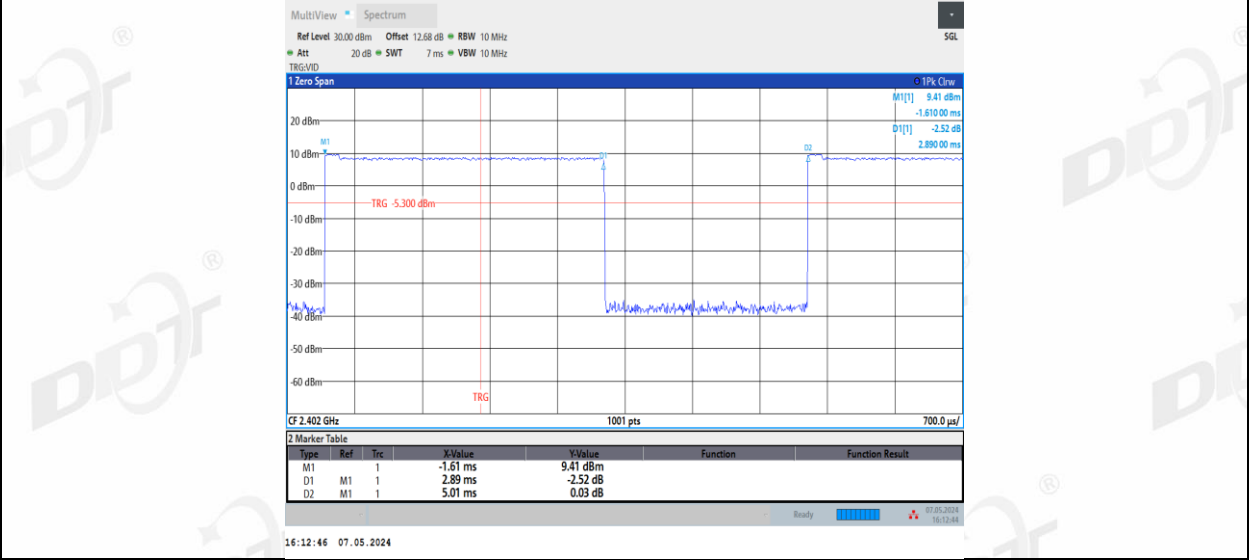
DH5\_Ant2\_R\_2480



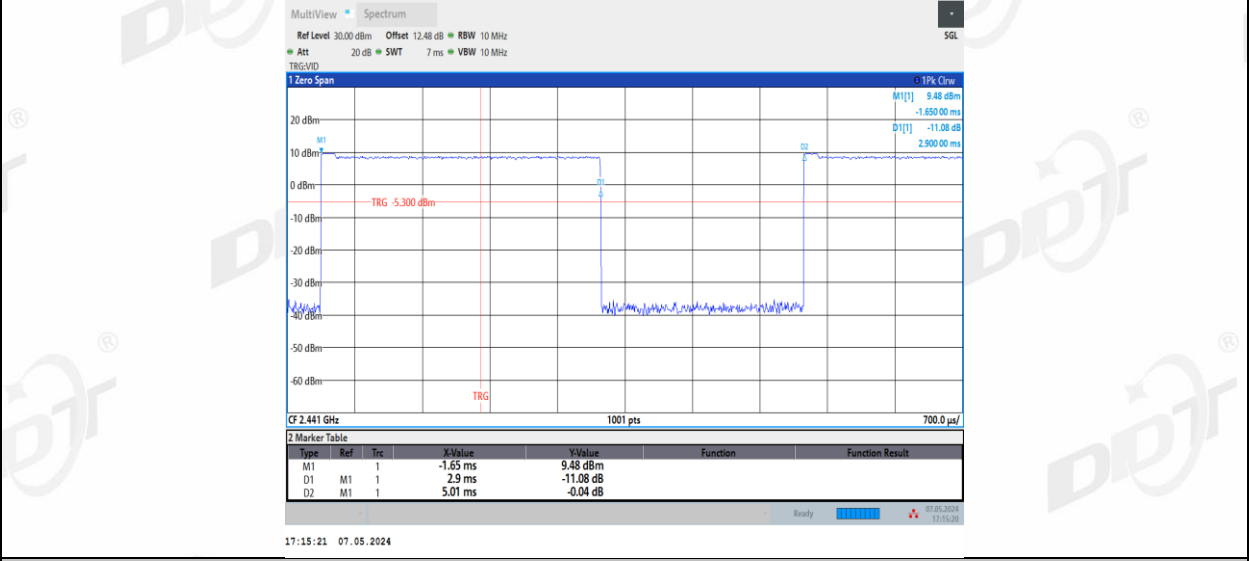
2DH5\_Ant1\_L\_2402



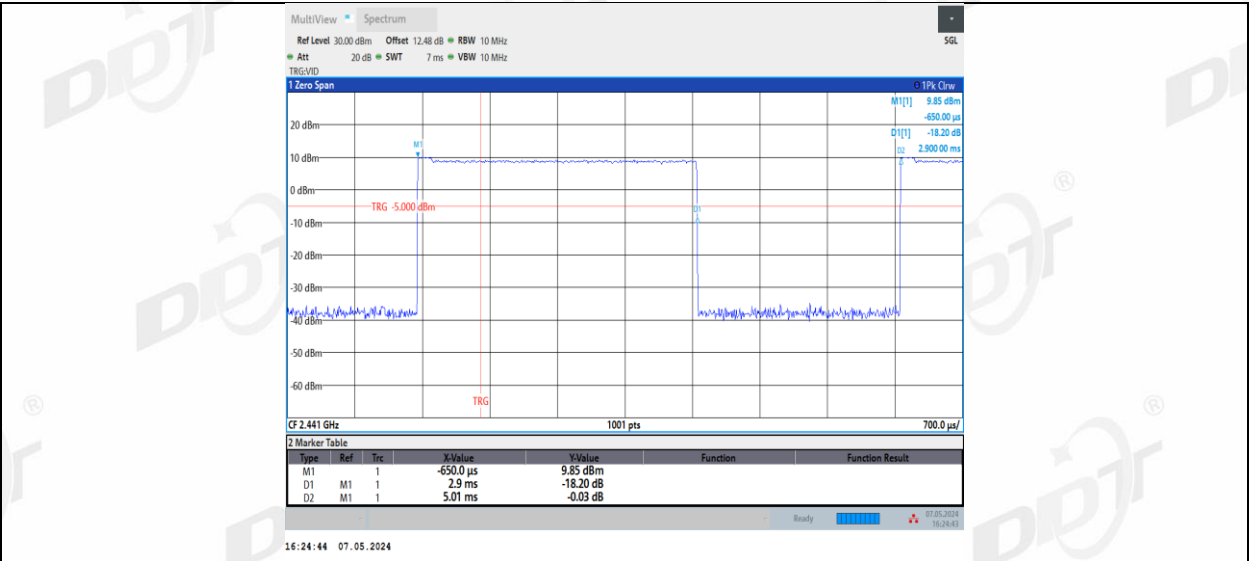
2DH5\_Ant2\_R\_2402



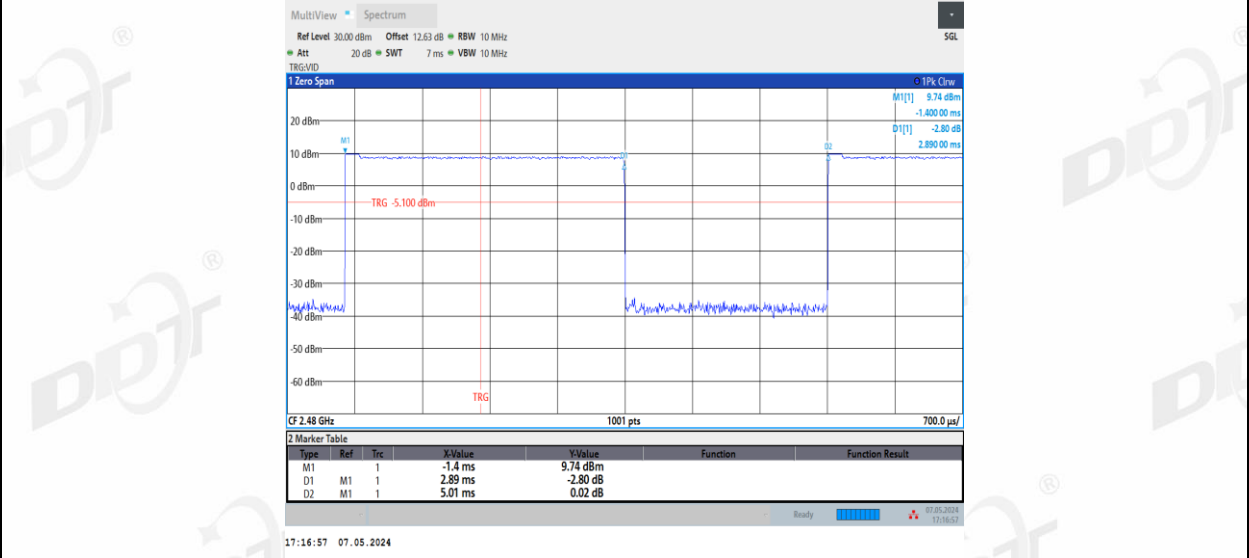
2DH5\_Ant1\_L\_2441



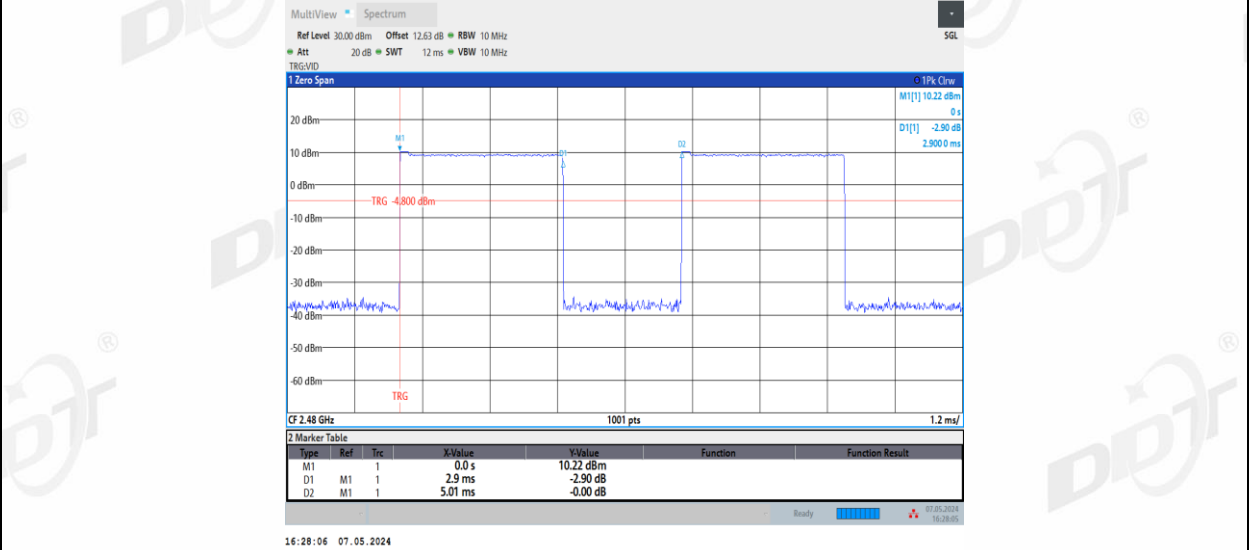
2DH5\_Ant2\_R\_2441



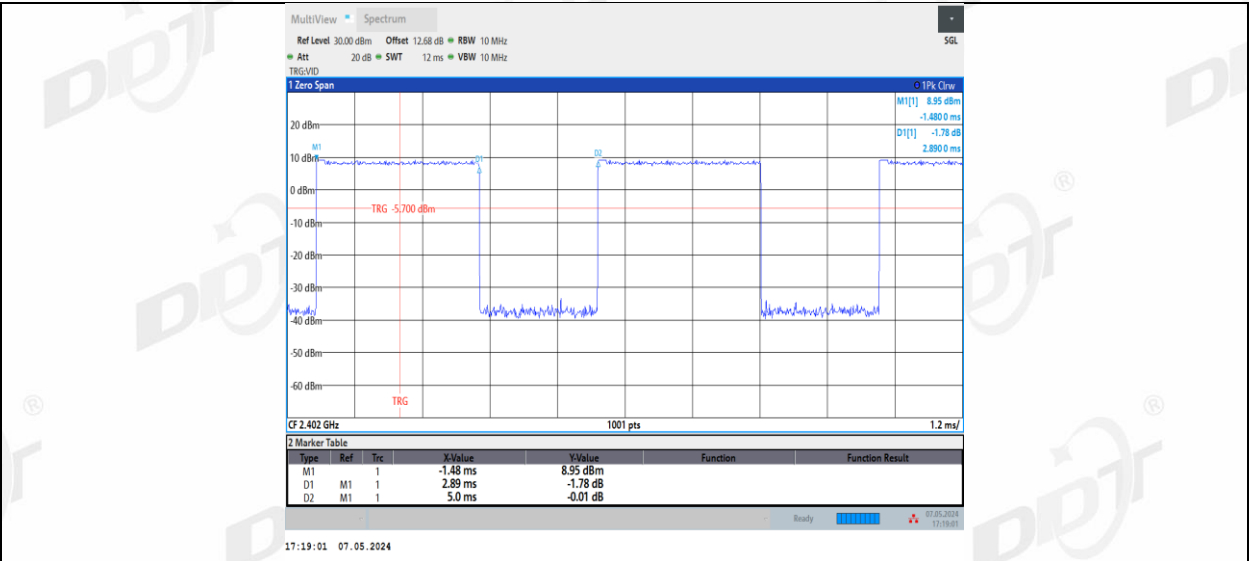
2DH5\_Ant1\_L\_2480



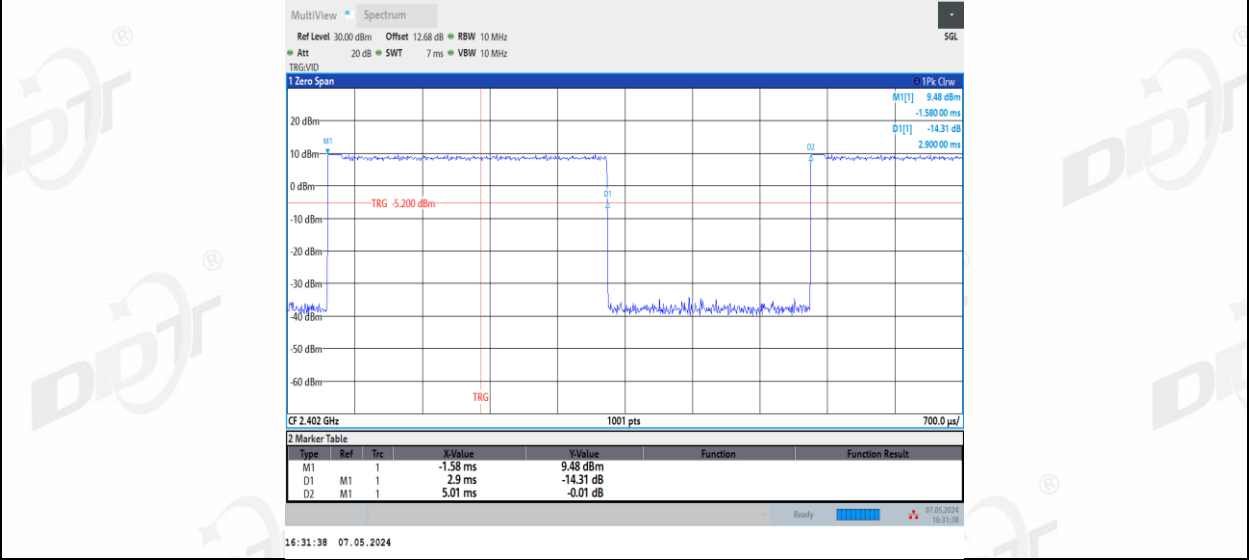
2DH5\_Ant2\_R\_2480



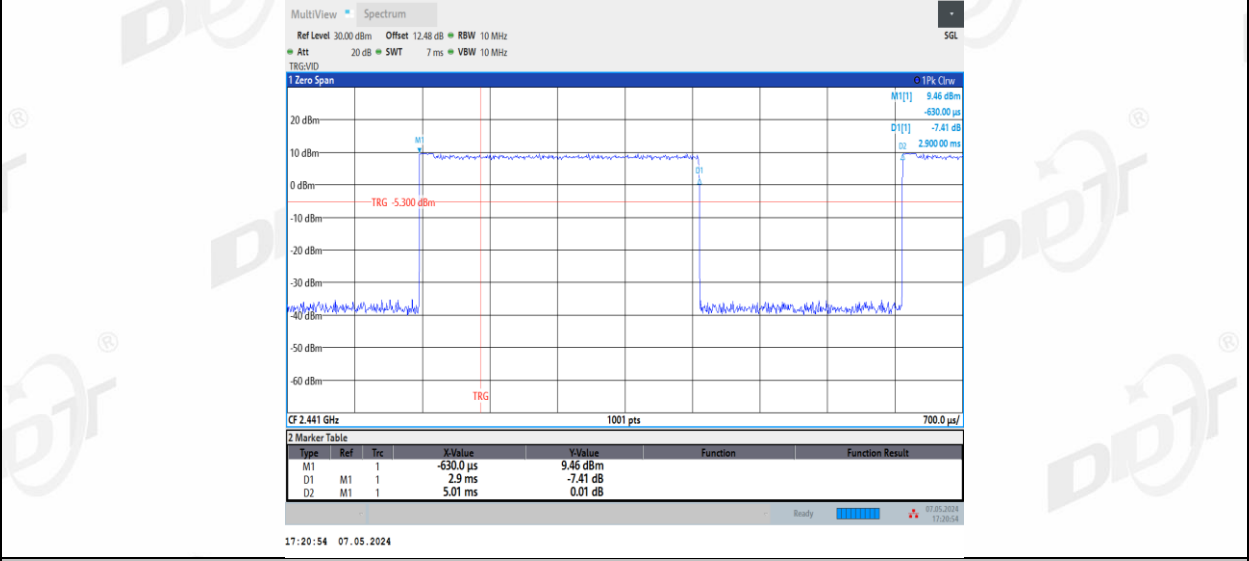
3DH5\_Ant1\_L\_2402



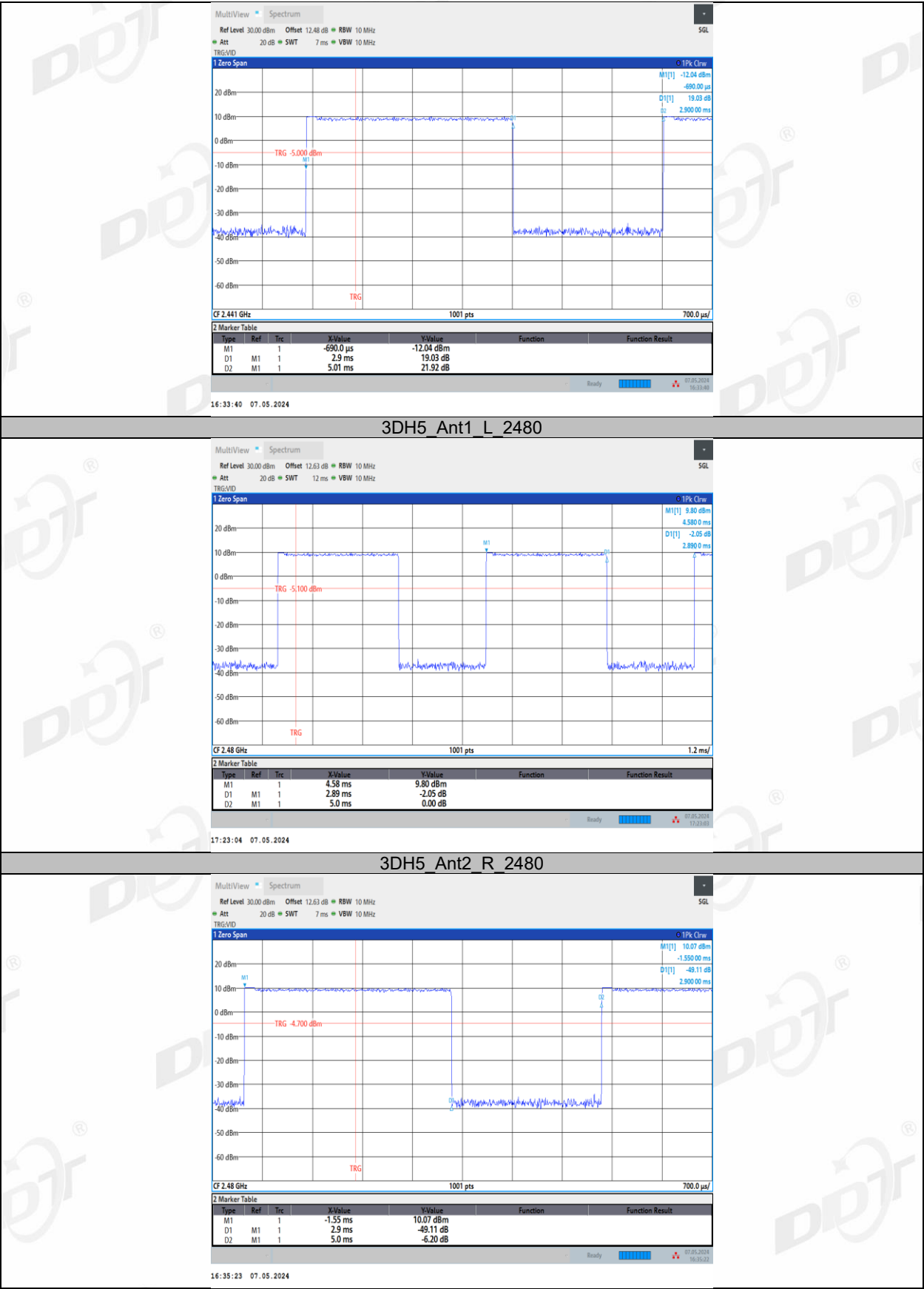
3DH5\_Ant2\_R\_2402



3DH5\_Ant1\_L\_2441



3DH5\_Ant2\_R\_2441





## 13. Antenna Requirements

### 13.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 13.2. Result

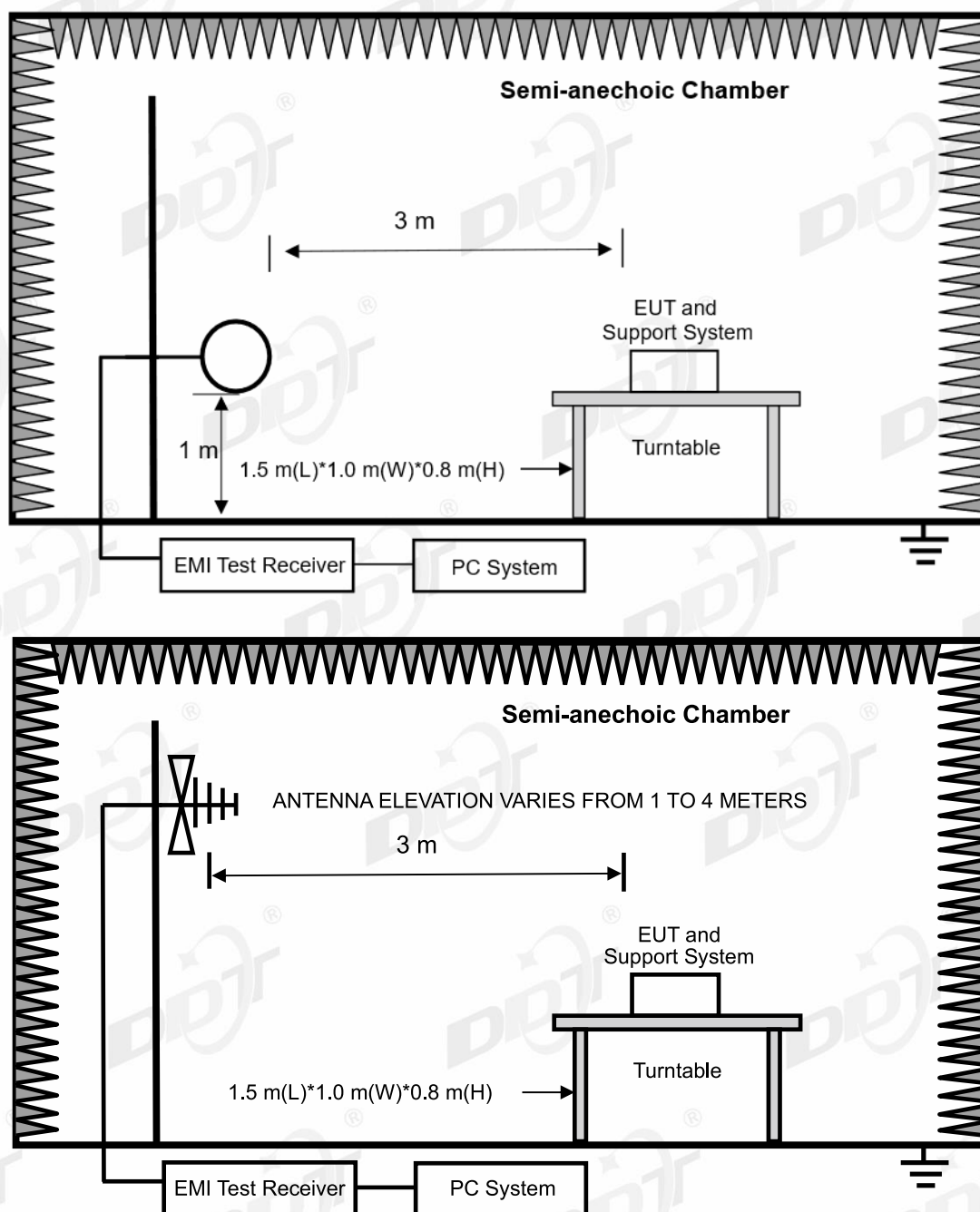
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

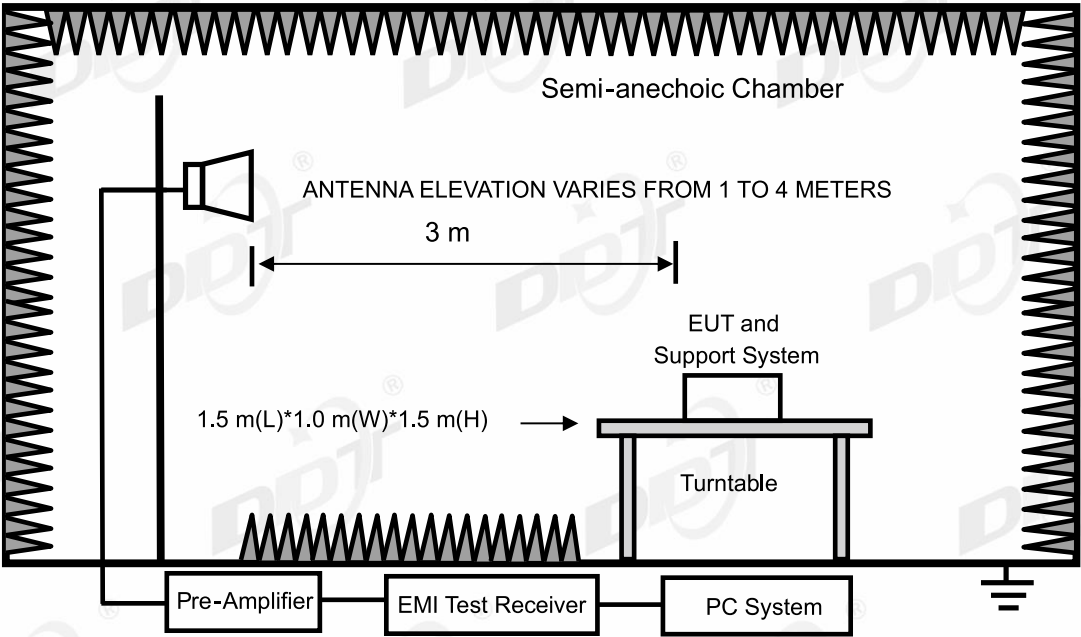
## 14.Radiated Emission

### 14.1. Test equipment

| Equipment                                  | Manufacturer         | Model No.              | Serial No.  | Cal Due To |
|--------------------------------------------|----------------------|------------------------|-------------|------------|
| EMI TEST RECEIVER                          | R&S                  | ESU26                  | DDT-ZC01909 | 2025/04/01 |
| Pre-amplifier                              | COM-POWER            | PAM-840A               | DDT-ZC01693 | 2025/04/01 |
| High Pass filter                           | Xi'an Xingbo         | XBLBQ-GTA67            | DDT-ZC02179 | 2025/04/23 |
| RF Cable                                   | N/A                  | W24.02 HL-562          | DDT-ZC04022 | 2025/04/01 |
| Active Loop Antenna                        | Schwarzbeck          | FMZB1519               | DDT-ZC00524 | 2025/09/10 |
| High pass filter                           | Micro-Tronics        | HPM50102               | DDT-ZC00561 | 2025/04/23 |
| Pre-amplifier                              | COM-POWER            | PAM-118A               | DDT-ZC01293 | 2024/07/14 |
| Hochgewinn-Hornantenne                     | SCHWARZBEC<br>K      | BBHA 9120 D            | DDT-ZC02129 | 2025/09/17 |
| High pass filter                           | Micro-Tronics        | HPM50108               | DDT-ZC00560 | 2025/04/23 |
| Micro-Tronics filters                      | REBES                | BRM50716               | DDT-ZC03240 | /          |
| RF cable                                   | Zhongke<br>Junchuang | JCT26S-NJ-NJ-<br>1.5M  | DDT-ZC02762 | 2025/04/01 |
| Micro-Tronics filters                      | REBES                | BRM50702               | DDT-ZC03242 | /          |
| Broad-Band Horn<br>Antenna                 | Schwarzbeck          | BBHA 9170              | DDT-ZC00506 | 2025/04/25 |
| Trilog Broadband<br>Antenna                | Schwarzbeck          | VULB 9163              | DDT-ZC02050 | 2024/07/11 |
| PSA Series Spectrum<br>Analyzer            | Agilent              | E4447A                 | DDT-ZC00517 | 2025/04/01 |
| RF cable                                   | Yuhu<br>Technology   | JCTB810-NJ-NJ-<br>9M   | DDT-ZC02538 | 2025/04/01 |
| RF Cable                                   | N/A                  | W13.02 AP1-X2          | DDT-ZC04023 | 2025/04/01 |
| RF cable                                   | Yuhu<br>Technology   | ZT26S-SMAJ-<br>SMAJ-1M | DDT-ZC02037 | 2025/04/01 |
| ELECTRIC AND<br>MAGNETIC FIELD<br>ANALYZER | Narda                | EHP-200A               | DDT-ZC01401 | 2024/09/20 |

## 14.2. Block diagram of test setup





14.3. Limits

(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              |                     |               |                |

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

## (2) FCC 15.209 Limit

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                           |               |
|------------------|--------------------|-------------------------------------------------|---------------|
|                  |                    | mV/m                                            | dB(mV)/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(mV)/m (Peak)<br>54.0 dB(mV)/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:

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

## (3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limit.

**14.4. Assistant equipment used for test**

| Assistant equipment | Manufacturer | Model number | Description | other |
|---------------------|--------------|--------------|-------------|-------|
| /                   | /            | /            | /           | /     |

**14.5. 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(1 GHz-18 GHz) | 3 m                   |

|                 |                             |     |
|-----------------|-----------------------------|-----|
| 18 GHz - 40 GHz | Horn Antenna(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 trilob 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.

#### **14.6. Test result**

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

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BT TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

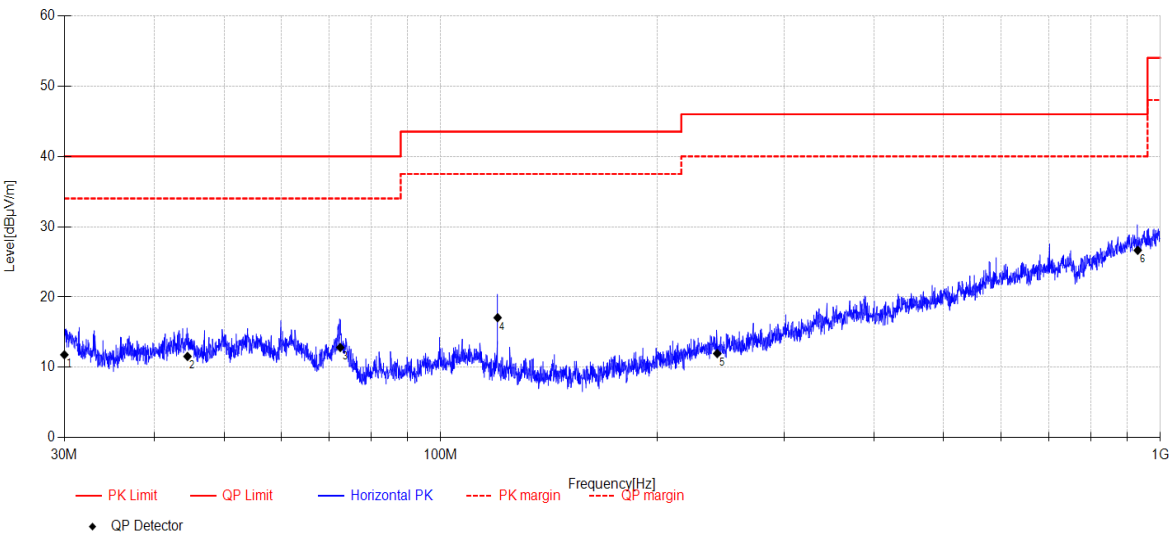
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215127\_H

Memo:

Left side Sample Number:S24031401-002



| 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         | 30.000      | 28.03            | 10.30               | 4.47            | -31.00   | 11.80           | 40.00          | 28.20       | QP       | Horizontal |
| 2         | 44.490      | 24.58            | 13.10               | 4.66            | -30.78   | 11.56           | 40.00          | 28.44       | QP       | Horizontal |
| 3         | 72.528      | 29.19            | 9.39                | 4.80            | -30.55   | 12.83           | 40.00          | 27.17       | QP       | Horizontal |
| 4         | 119.991     | 32.74            | 10.00               | 5.17            | -30.84   | 17.07           | 43.50          | 26.43       | QP       | Horizontal |
| 5         | 242.254     | 24.87            | 11.66               | 5.91            | -30.47   | 11.97           | 46.00          | 34.03       | QP       | Horizontal |
| 6         | 930.326     | 25.38            | 21.54               | 8.45            | -28.73   | 26.64           | 46.00          | 19.36       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BT TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

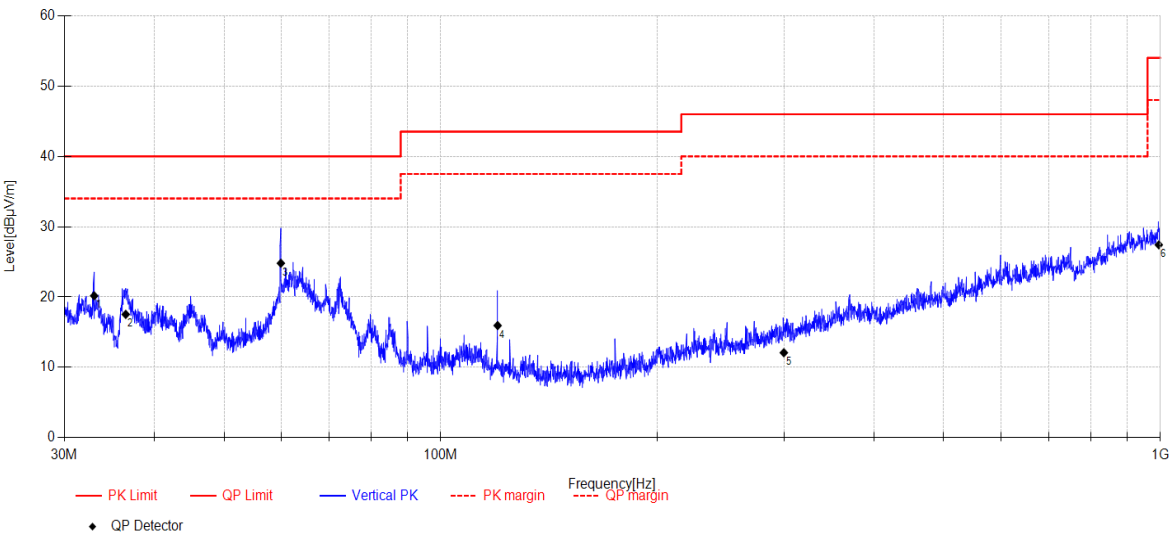
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215216\_V

Memo:

Left side Sample Number:S24031401-002



| 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         | 33.002      | 35.72            | 10.90               | 4.51            | -30.95   | 20.18           | 40.00          | 19.82       | QP       | Vertical |
| 2         | 36.508      | 32.09            | 11.80               | 4.55            | -30.90   | 17.54           | 40.00          | 22.46       | QP       | Vertical |
| 3         | 59.977      | 37.89            | 12.79               | 4.76            | -30.63   | 24.81           | 40.00          | 15.19       | QP       | Vertical |
| 4         | 119.991     | 31.62            | 10.00               | 5.17            | -30.84   | 15.95           | 43.50          | 27.55       | QP       | Vertical |
| 5         | 299.808     | 22.58            | 13.66               | 6.15            | -30.30   | 12.09           | 46.00          | 33.91       | QP       | Vertical |
| 6         | 995.104     | 24.31            | 22.58               | 8.67            | -28.14   | 27.42           | 54.00          | 26.58       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BT TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

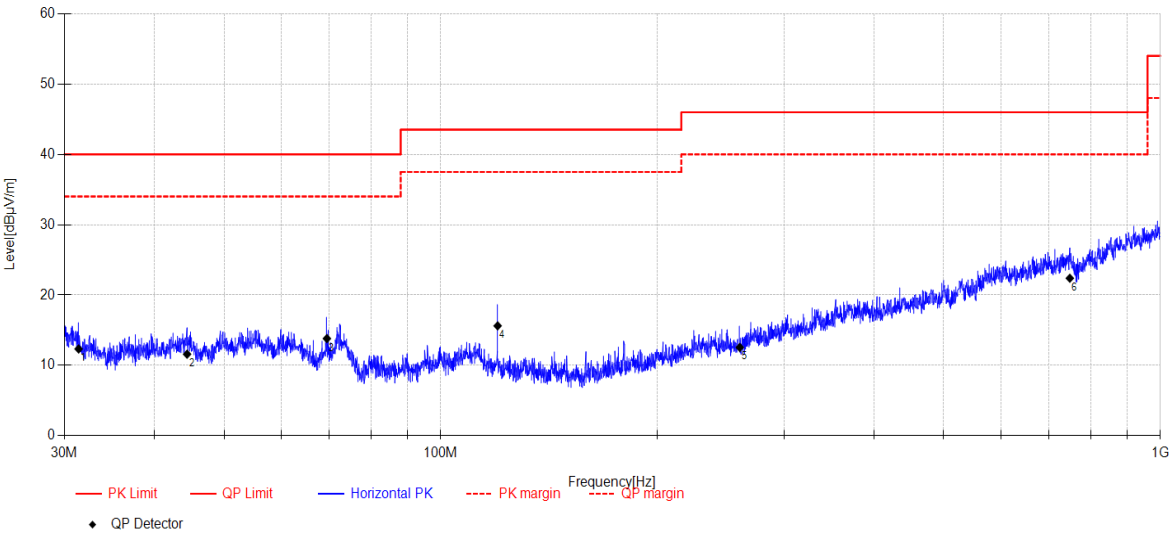
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215726\_H

Memo:

Right side Sample Number:S24031401-002



| 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         | 31.399      | 28.55            | 10.28               | 4.49            | -30.98   | 12.34           | 40.00          | 27.66       | QP       | Horizontal |
| 2         | 44.427      | 24.63            | 13.09               | 4.66            | -30.78   | 11.60           | 40.00          | 28.40       | QP       | Horizontal |
| 3         | 69.491      | 29.44            | 10.16               | 4.79            | -30.57   | 13.82           | 40.00          | 26.18       | QP       | Horizontal |
| 4         | 119.991     | 31.3             | 10.00               | 5.17            | -30.84   | 15.63           | 43.50          | 27.87       | QP       | Horizontal |
| 5         | 260.397     | 25.48            | 11.52               | 5.98            | -30.42   | 12.56           | 46.00          | 33.44       | QP       | Horizontal |
| 6         | 748.575     | 24.35            | 20.07               | 7.87            | -29.90   | 22.39           | 46.00          | 23.61       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BT TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

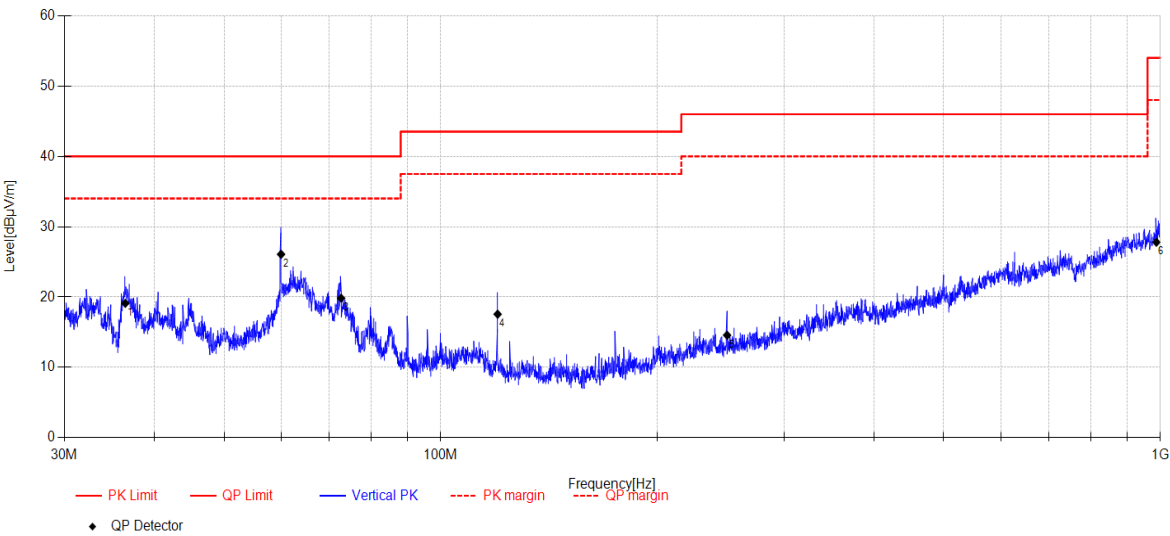
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215808\_V

Memo:

Right side Sample Number:S24031401-002



| 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         | 36.457      | 33.65            | 11.81               | 4.55            | -30.90   | 19.11           | 40.00          | 20.89       | QP       | Vertical |
| 2         | 60.019      | 39.16            | 12.79               | 4.76            | -30.63   | 26.08           | 40.00          | 13.92       | QP       | Vertical |
| 3         | 72.732      | 36.28            | 9.31                | 4.80            | -30.55   | 19.84           | 40.00          | 20.16       | QP       | Vertical |
| 4         | 119.991     | 33.24            | 10.00               | 5.17            | -30.84   | 17.57           | 43.50          | 25.93       | QP       | Vertical |
| 5         | 250.020     | 27.39            | 11.70               | 5.94            | -30.45   | 14.58           | 46.00          | 31.42       | QP       | Vertical |
| 6         | 987.458     | 25.35            | 22.00               | 8.65            | -28.21   | 27.79           | 54.00          | 26.21       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

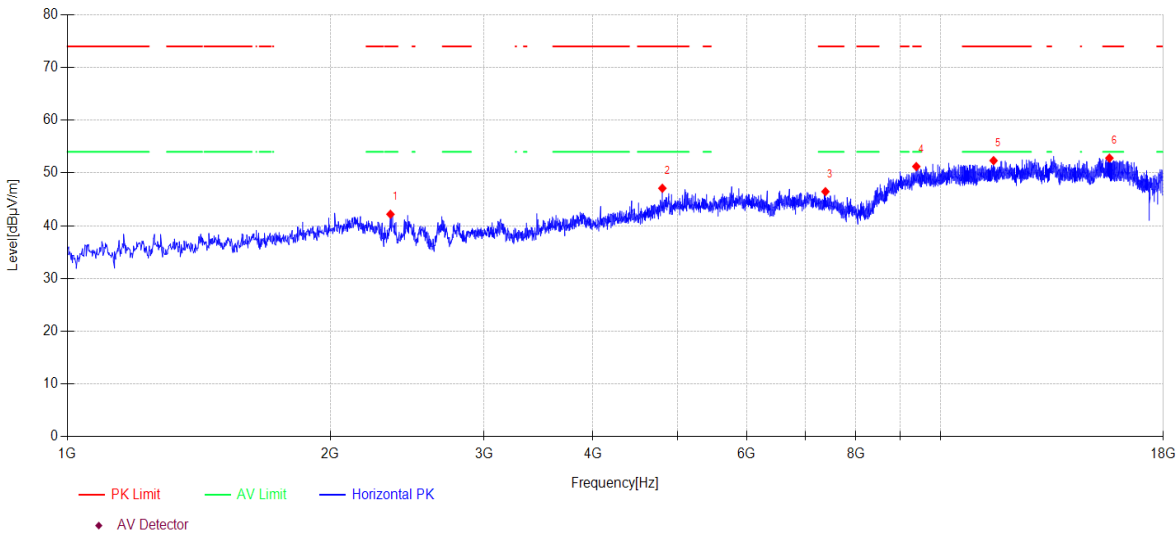
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\1

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2344.700    | 47.17            | 27.07               | 5.92            | -37.99   | 42.17          | 74.00          | 31.83       | PK       | Horizontal |
| 2         | 4802.900    | 47.20            | 32.58               | 7.47            | -40.15   | 47.10          | 74.00          | 26.90       | PK       | Horizontal |
| 3         | 7383.500    | 43.75            | 36.73               | 7.64            | -41.66   | 46.46          | 74.00          | 27.54       | PK       | Horizontal |
| 4         | 9382.700    | 42.47            | 38.70               | 8.81            | -38.76   | 51.22          | 74.00          | 22.78       | PK       | Horizontal |
| 5         | 11504.300   | 42.38            | 39.19               | 10.10           | -39.33   | 52.34          | 74.00          | 21.66       | PK       | Horizontal |
| 6         | 15614.900   | 39.22            | 38.59               | 14.14           | -39.13   | 52.82          | 74.00          | 21.18       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

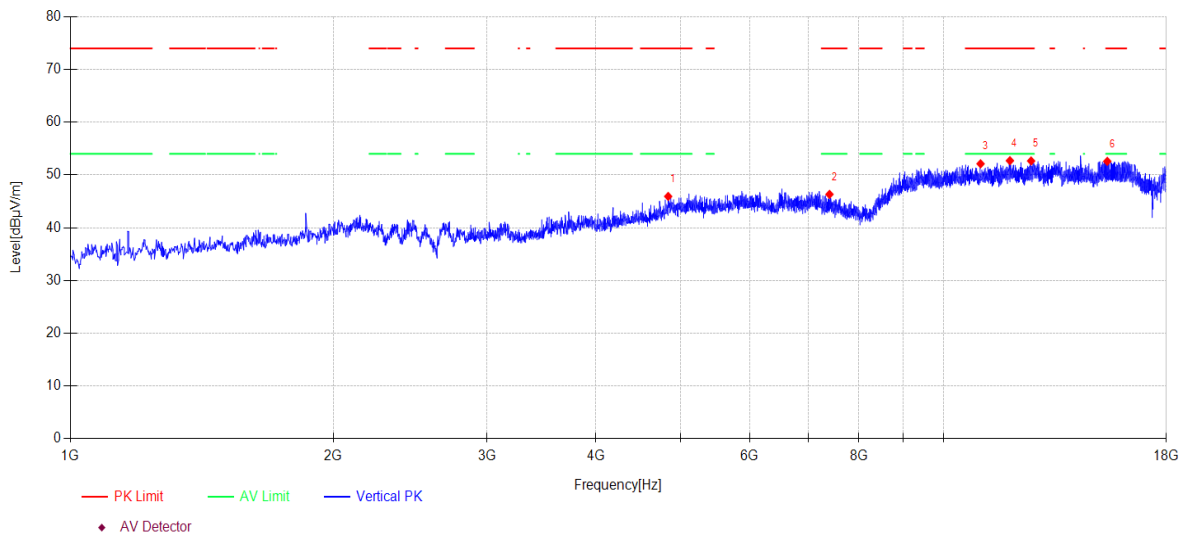
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\2

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 4838.600    | 45.04            | 33.50               | 7.54            | -40.14   | 45.94          | 74.00          | 28.06       | PK       | Vertical |
| 2         | 7403.900    | 43.70            | 36.69               | 7.64            | -41.71   | 46.32          | 74.00          | 27.68       | PK       | Vertical |
| 3         | 11028.300   | 42.24            | 39.30               | 9.68            | -39.10   | 52.12          | 74.00          | 21.88       | PK       | Vertical |
| 4         | 11915.700   | 42.82            | 38.95               | 10.46           | -39.52   | 52.71          | 74.00          | 21.29       | PK       | Vertical |
| 5         | 12600.800   | 42.51            | 39.40               | 10.54           | -39.79   | 52.66          | 74.00          | 21.34       | PK       | Vertical |
| 6         | 15404.100   | 39.41            | 38.99               | 13.18           | -39.00   | 52.58          | 74.00          | 21.42       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2441MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

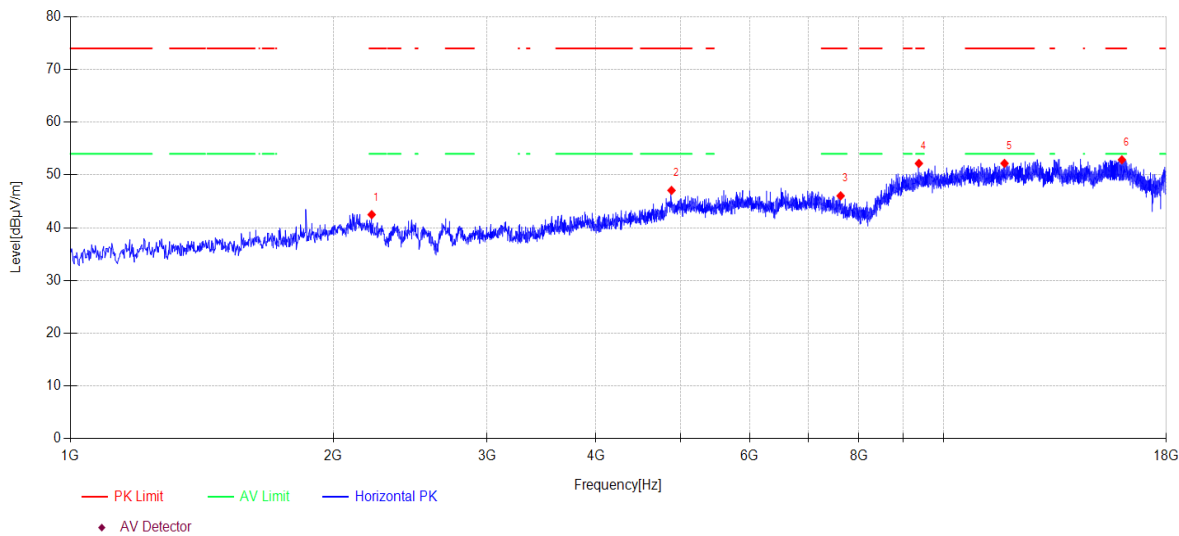
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\3

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 2213.800    | 46.46            | 27.66               | 5.98            | -37.62   | 42.48          | 74.00          | 31.52       | PK       | Horizontal |
| 2         | 4881.100    | 46.26            | 33.30               | 7.63            | -40.12   | 47.07          | 74.00          | 26.93       | PK       | Horizontal |
| 3         | 7624.900    | 44.10            | 36.55               | 7.65            | -42.26   | 46.04          | 74.00          | 27.96       | PK       | Horizontal |
| 4         | 9372.500    | 43.43            | 38.70               | 8.81            | -38.76   | 52.18          | 74.00          | 21.82       | PK       | Horizontal |
| 5         | 11747.400   | 42.36            | 38.95               | 10.32           | -39.44   | 52.19          | 74.00          | 21.81       | PK       | Horizontal |
| 6         | 16009.300   | 38.41            | 37.99               | 15.84           | -39.37   | 52.87          | 74.00          | 21.13       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2441MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

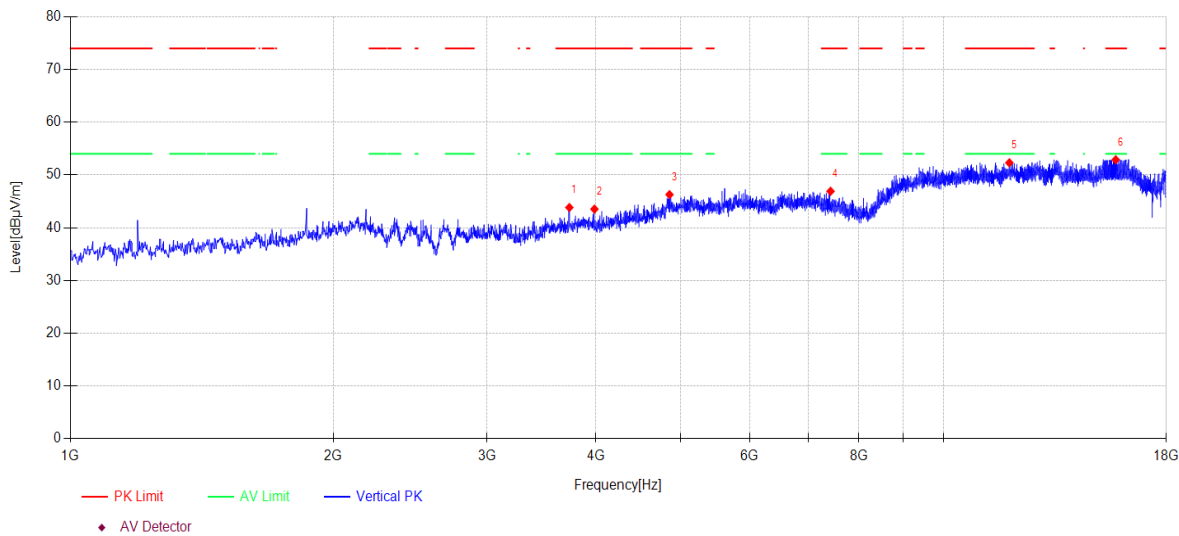
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\4

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 3728.500    | 47.87            | 30.46               | 5.79            | -40.28   | 43.84          | 74.00          | 30.16       | PK       | Vertical |
| 2         | 3983.500    | 47.15            | 30.97               | 5.85            | -40.44   | 43.53          | 74.00          | 30.47       | PK       | Vertical |
| 3         | 4855.600    | 45.12            | 33.71               | 7.58            | -40.13   | 46.28          | 74.00          | 27.72       | PK       | Vertical |
| 4         | 7424.300    | 44.38            | 36.65               | 7.64            | -41.76   | 46.91          | 74.00          | 27.09       | PK       | Vertical |
| 5         | 11897.000   | 42.48            | 38.90               | 10.45           | -39.51   | 52.32          | 74.00          | 21.68       | PK       | Vertical |
| 6         | 15749.200   | 38.96            | 38.40               | 14.74           | -39.21   | 52.89          | 74.00          | 21.11       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

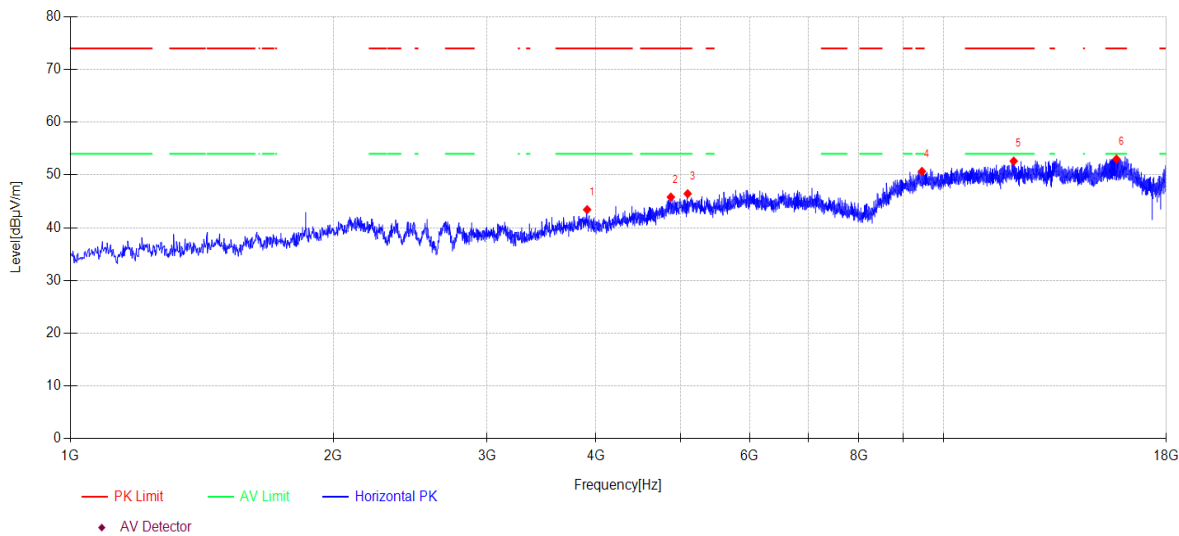
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\5

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 3907.000    | 46.80            | 31.19               | 5.83            | -40.39   | 43.43          | 74.00          | 30.57       | PK       | Horizontal |
| 2         | 4872.600    | 44.88            | 33.44               | 7.61            | -40.13   | 45.80          | 74.00          | 28.20       | PK       | Horizontal |
| 3         | 5093.600    | 45.12            | 33.39               | 8.00            | -40.07   | 46.44          | 74.00          | 27.56       | PK       | Horizontal |
| 4         | 9449.000    | 41.92            | 38.70               | 8.82            | -38.76   | 50.68          | 74.00          | 23.32       | PK       | Horizontal |
| 5         | 12036.400   | 42.42            | 39.24               | 10.54           | -39.57   | 52.63          | 74.00          | 21.37       | PK       | Horizontal |
| 6         | 15781.500   | 39.00            | 38.34               | 14.89           | -39.23   | 53.00          | 74.00          | 21.00       | 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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

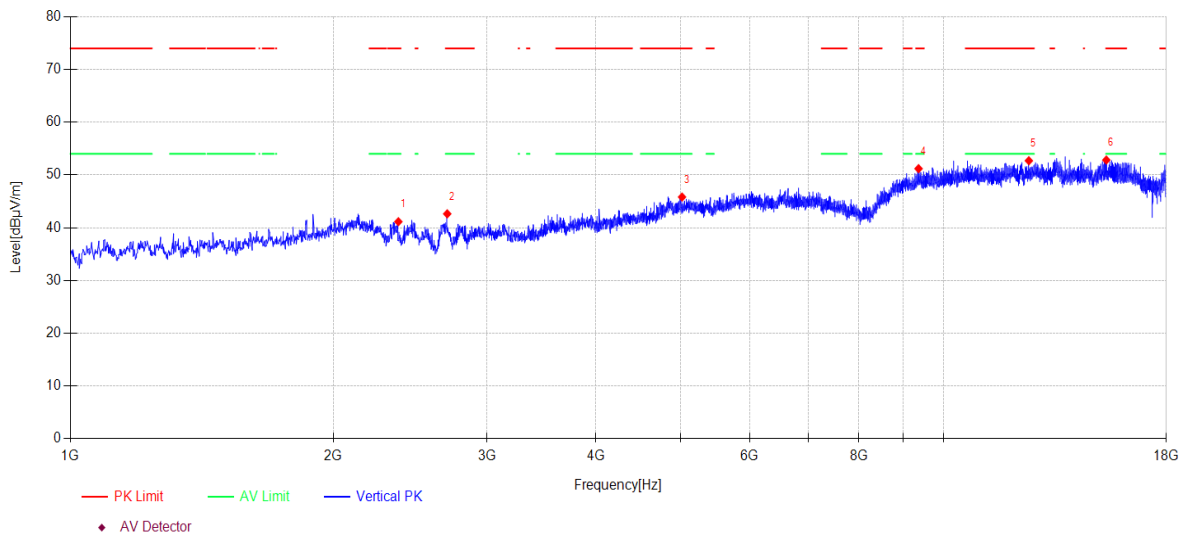
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\6

Memo:

Right side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 2375.300    | 46.11            | 27.20               | 5.90            | -38.07   | 41.14          | 74.00          | 32.86       | PK       | Vertical |
| 2         | 2701.700    | 48.37            | 27.50               | 5.76            | -39.00   | 42.63          | 74.00          | 31.37       | PK       | Vertical |
| 3         | 5018.800    | 44.76            | 33.24               | 7.90            | -40.08   | 45.82          | 74.00          | 28.18       | PK       | Vertical |
| 4         | 9364.000    | 42.44            | 38.70               | 8.81            | -38.76   | 51.19          | 74.00          | 22.81       | PK       | Vertical |
| 5         | 12526.000   | 42.53            | 39.40               | 10.54           | -39.77   | 52.70          | 74.00          | 21.30       | PK       | Vertical |
| 6         | 15365.000   | 39.53            | 39.28               | 13.00           | -38.98   | 52.83          | 74.00          | 21.17       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

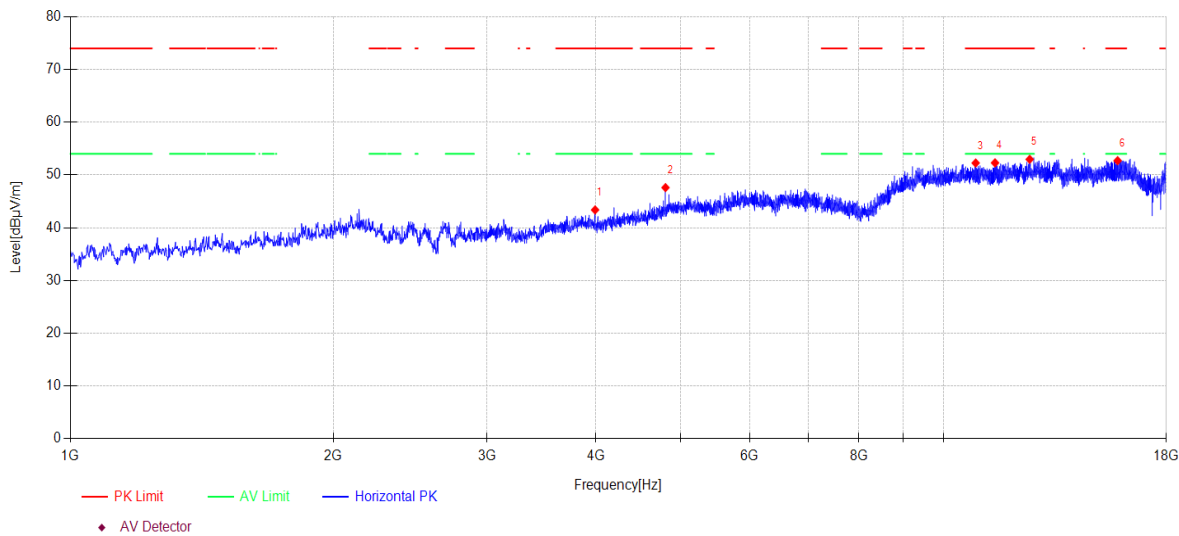
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\39

Memo:

Left side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 3990.300    | 47.03            | 30.94               | 5.85            | -40.44   | 43.38          | 74.00          | 30.62       | PK       | Horizontal |
| 2         | 4804.600    | 47.66            | 32.62               | 7.48            | -40.15   | 47.61          | 74.00          | 26.39       | PK       | Horizontal |
| 3         | 10887.200   | 42.44            | 39.31               | 9.57            | -39.05   | 52.27          | 74.00          | 21.73       | PK       | Horizontal |
| 4         | 11456.700   | 42.29            | 39.24               | 10.06           | -39.30   | 52.29          | 74.00          | 21.71       | PK       | Horizontal |
| 5         | 12553.200   | 42.80            | 39.40               | 10.54           | -39.78   | 52.96          | 74.00          | 21.04       | PK       | Horizontal |
| 6         | 15829.100   | 38.62            | 38.24               | 15.11           | -39.26   | 52.71          | 74.00          | 21.29       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

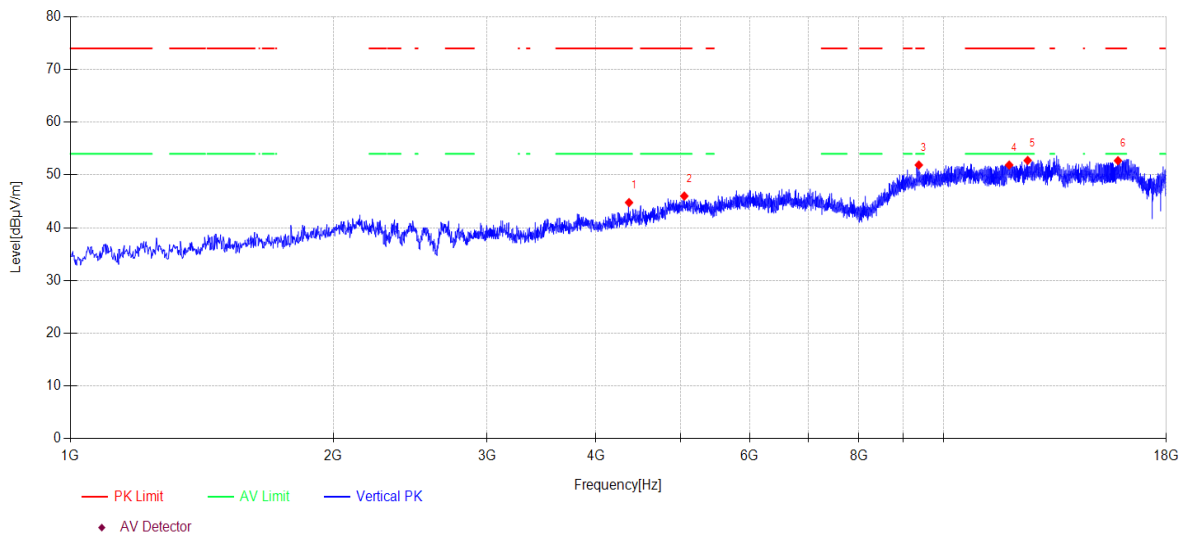
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\40

Memo:

Left side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 4364.300    | 46.87            | 31.63               | 6.59            | -40.32   | 44.77          | 74.00          | 29.23       | PK       | Vertical |
| 2         | 5049.400    | 44.83            | 33.30               | 7.94            | -40.07   | 46.00          | 74.00          | 28.00       | PK       | Vertical |
| 3         | 9370.800    | 43.13            | 38.70               | 8.81            | -38.76   | 51.88          | 74.00          | 22.12       | PK       | Vertical |
| 4         | 11891.900   | 42.06            | 38.90               | 10.44           | -39.51   | 51.89          | 74.00          | 22.11       | PK       | Vertical |
| 5         | 12486.900   | 42.56            | 39.39               | 10.54           | -39.75   | 52.74          | 74.00          | 21.26       | PK       | Vertical |
| 6         | 15844.400   | 38.58            | 38.21               | 15.18           | -39.27   | 52.70          | 74.00          | 21.30       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2441MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

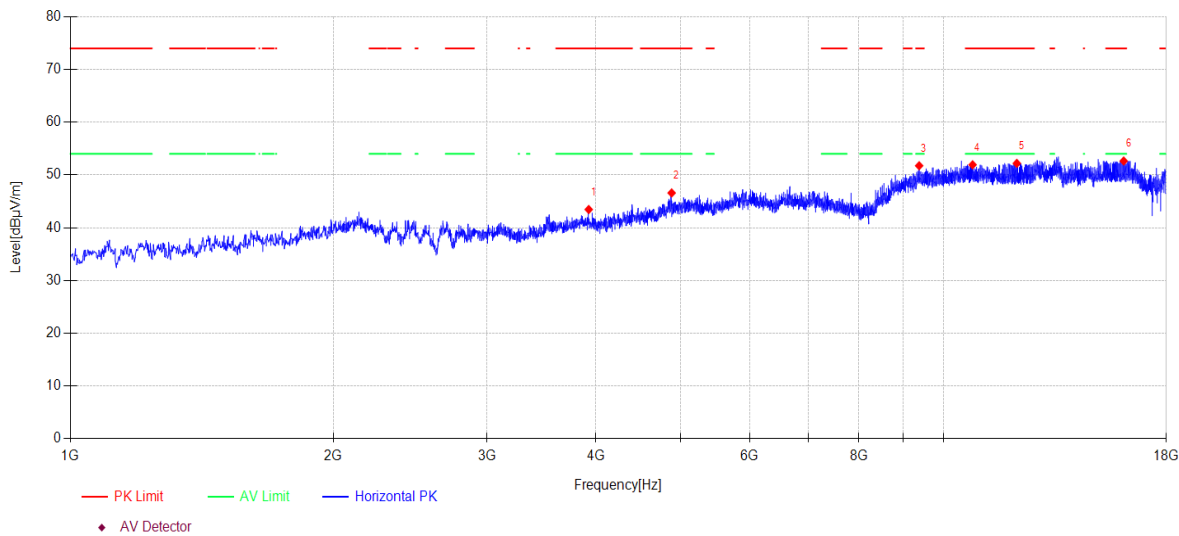
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\41

Memo:

Left side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 3924.000    | 46.88            | 31.15               | 5.83            | -40.40   | 43.46          | 74.00          | 30.54       | PK       | Horizontal |
| 2         | 4882.800    | 45.80            | 33.28               | 7.63            | -40.12   | 46.59          | 74.00          | 27.41       | PK       | Horizontal |
| 3         | 9379.300    | 43.00            | 38.70               | 8.81            | -38.76   | 51.75          | 74.00          | 22.25       | PK       | Horizontal |
| 4         | 10798.800   | 42.04            | 39.40               | 9.51            | -39.02   | 51.93          | 74.00          | 22.07       | PK       | Horizontal |
| 5         | 12135.000   | 41.97            | 39.30               | 10.54           | -39.61   | 52.20          | 74.00          | 21.80       | PK       | Horizontal |
| 6         | 16085.800   | 38.63            | 37.91               | 15.54           | -39.43   | 52.65          | 74.00          | 21.35       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2441MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

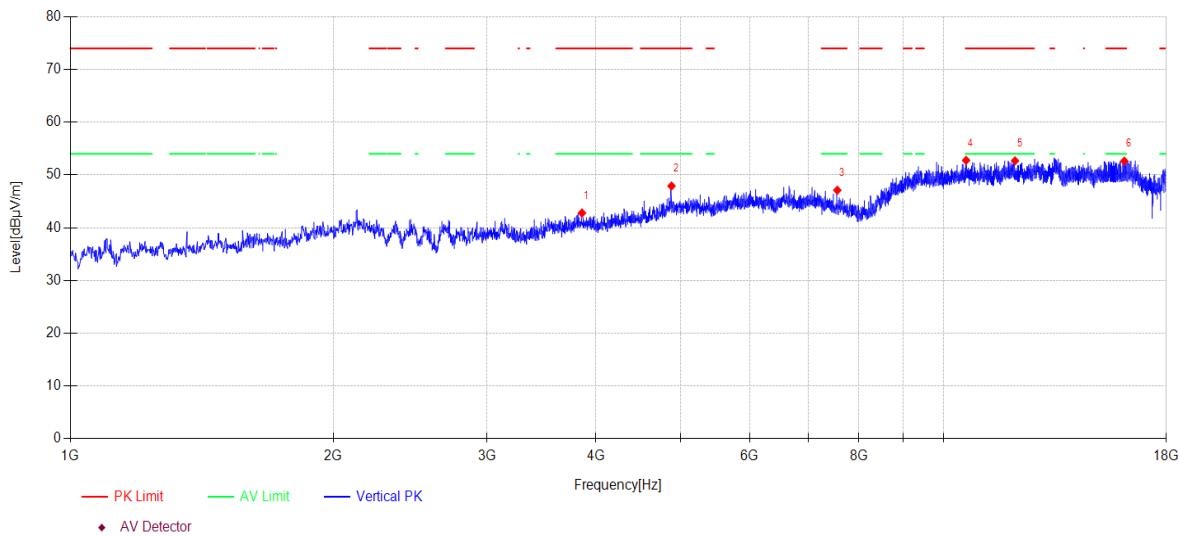
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\42

Memo:

Left side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 3854.300    | 46.40            | 30.93               | 5.82            | -40.36   | 42.79          | 74.00          | 31.21       | PK       | Vertical |
| 2         | 4881.100    | 47.10            | 33.30               | 7.63            | -40.12   | 47.91          | 74.00          | 26.09       | PK       | Vertical |
| 3         | 7558.600    | 45.14            | 36.42               | 7.65            | -42.10   | 47.11          | 74.00          | 26.89       | PK       | Vertical |
| 4         | 10615.200   | 43.11            | 39.23               | 9.38            | -38.95   | 52.77          | 74.00          | 21.23       | PK       | Vertical |
| 5         | 12077.200   | 42.45            | 39.28               | 10.54           | -39.59   | 52.68          | 74.00          | 21.32       | PK       | Vertical |
| 6         | 16111.300   | 38.75            | 37.89               | 15.44           | -39.45   | 52.63          | 74.00          | 21.37       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

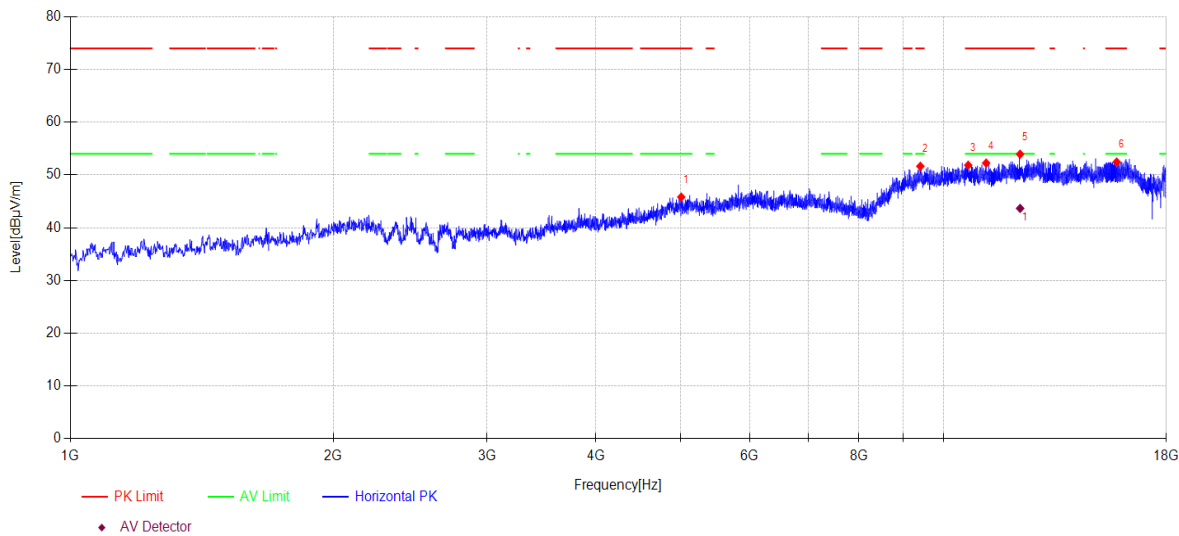
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\43

Memo:

Left side Sample Number:S24031401-002

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5008.600    | 44.79            | 33.22               | 7.88            | -40.08   | 45.81          | 74.00          | 28.19       | PK       | Horizontal |
| 2         | 9409.900    | 42.89            | 38.70               | 8.82            | -38.76   | 51.65          | 74.00          | 22.35       | PK       | Horizontal |
| 3         | 10674.700   | 42.05            | 39.35               | 9.42            | -38.97   | 51.85          | 74.00          | 22.15       | PK       | Horizontal |
| 4         | 11191.500   | 42.40            | 39.21               | 9.82            | -39.18   | 52.25          | 74.00          | 21.75       | PK       | Horizontal |
| 5         | 12238.700   | 43.75            | 39.30               | 10.54           | -39.65   | 53.94          | 74.00          | 20.06       | PK       | Horizontal |
| 6         | 15790.000   | 38.44            | 38.32               | 14.93           | -39.23   | 52.46          | 74.00          | 21.54       | PK       | Horizontal |

| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 12241.015   | 33.48            | 39.30               | 10.54           | -39.65   | 43.67          | 54.0           | 10.33       | AV       | 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:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

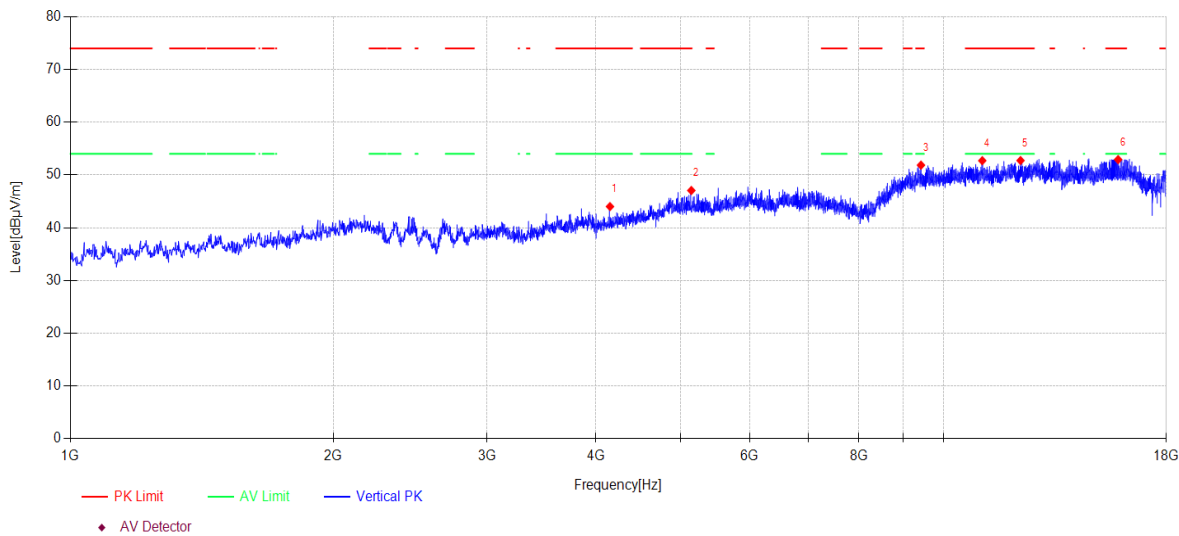
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\44

Memo:

Left side Sample Number:S24031401-002 Power Setting:5

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 4150.100    | 47.05            | 31.20               | 6.15            | -40.39   | 44.01          | 74.00          | 29.99       | PK       | Vertical |
| 2         | 5142.900    | 45.65            | 33.40               | 8.07            | -40.06   | 47.06          | 74.00          | 26.94       | PK       | Vertical |
| 3         | 9425.200    | 43.10            | 38.70               | 8.82            | -38.76   | 51.86          | 74.00          | 22.14       | PK       | Vertical |
| 4         | 11077.600   | 42.82            | 39.30               | 9.72            | -39.13   | 52.71          | 74.00          | 21.29       | PK       | Vertical |
| 5         | 12254.000   | 42.56            | 39.30               | 10.54           | -39.66   | 52.74          | 74.00          | 21.26       | PK       | Vertical |
| 6         | 15851.200   | 38.78            | 38.20               | 15.21           | -39.27   | 52.92          | 74.00          | 21.08       | 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 |
|--------------------------------------|-------------------|--------------------|-------------|------------|
| Trilog Broadband Antenna             | Schwarzbeck       | VULB 9163          | DDT-ZC02050 | 2024/07/11 |
| High Pass filter                     | Xi'an Xingbo      | XBLBQ-GTA67        | DDT-ZC02179 | 2025/04/23 |
| Pre-amplifier                        | COM-POWER         | PAM-840A           | DDT-ZC01693 | 2025/04/01 |
| Broad-Band Horn Antenna              | Schwarzbeck       | BBHA 9170          | DDT-ZC00506 | 2025/04/25 |
| Micro-Tronics filters                | REBES             | BRM50702           | DDT-ZC03242 | /          |
| RF Cable                             | N/A               | W13.02 AP1-X2      | DDT-ZC04023 | 2025/04/01 |
| ELECTRIC AND MAGNETIC FIELD ANALYZER | Narda             | EHP-200A           | DDT-ZC01401 | 2024/09/20 |
| Pre-amplifier                        | COM-POWER         | PAM-118A           | DDT-ZC01293 | 2024/07/14 |
| PSA Series Spectrum Analyzer         | Agilent           | E4447A             | DDT-ZC00517 | 2025/04/01 |
| High pass filter                     | Micro-Tronics     | HPM50102           | DDT-ZC00561 | 2025/04/23 |
| EMI TEST RECEIVER                    | R&S               | ESU26              | DDT-ZC01909 | 2025/04/01 |
| High pass filter                     | Micro-Tronics     | HPM50108           | DDT-ZC00560 | 2025/04/23 |
| RF cable                             | Yuhu Technology   | JCTB810-NJ-NJ-9M   | DDT-ZC02538 | 2025/04/01 |
| RF cable                             | Yuhu Technology   | ZT26S-SMAJ-SMAJ-1M | DDT-ZC02037 | 2025/04/01 |
| RF cable                             | Zhongke Junchuang | JCT26S-NJ-NJ-1.5M  | DDT-ZC02762 | 2025/04/01 |
| RF Cable                             | N/A               | W24.02 HL-562      | DDT-ZC04022 | 2025/04/01 |
| Micro-Tronics filters                | REBES             | BRM50716           | DDT-ZC03240 | /          |
| Active Loop Antenna                  | Schwarzbeck       | FMZB1519           | DDT-ZC00524 | 2025/09/10 |
| Hochgewinn-Hornantenne               | SCHWARZBEC K      | BBHA 9120 D        | DDT-ZC02129 | 2025/09/17 |