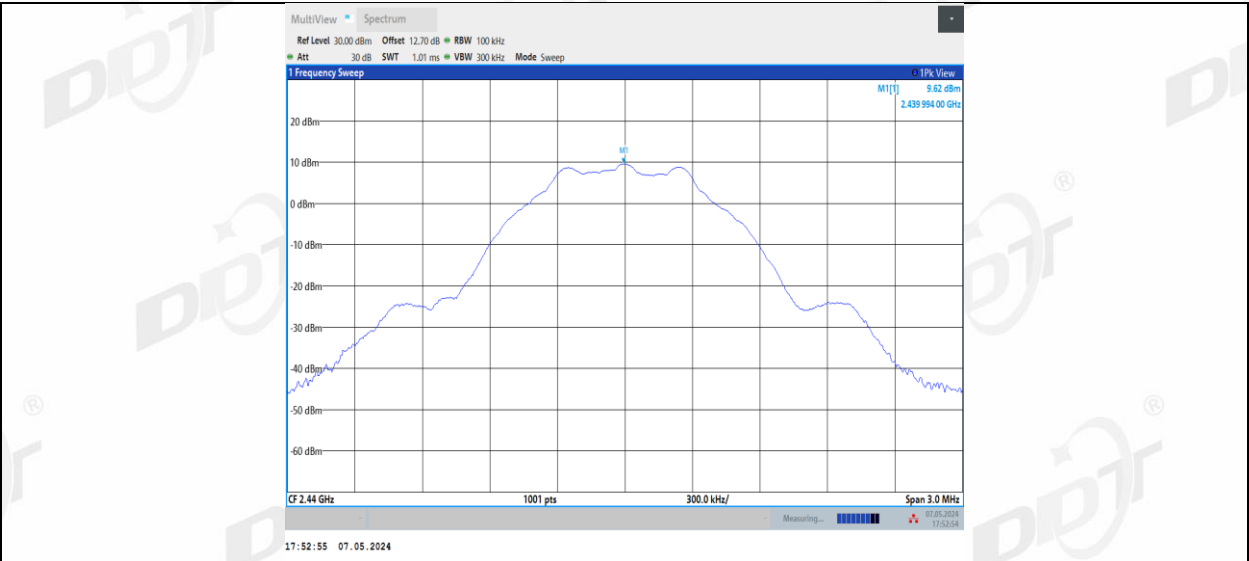
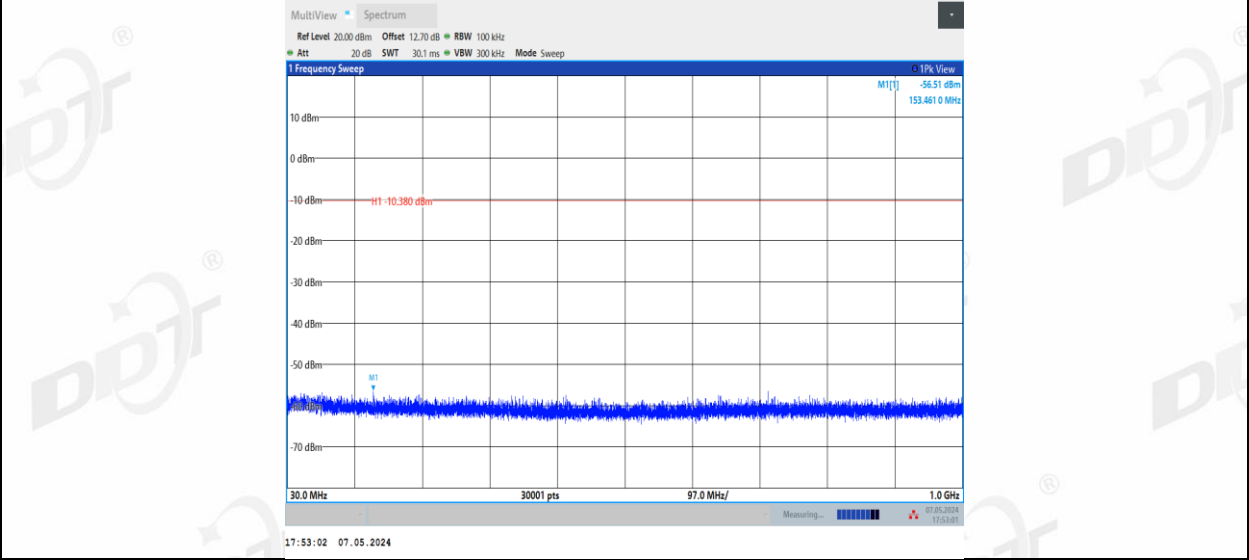
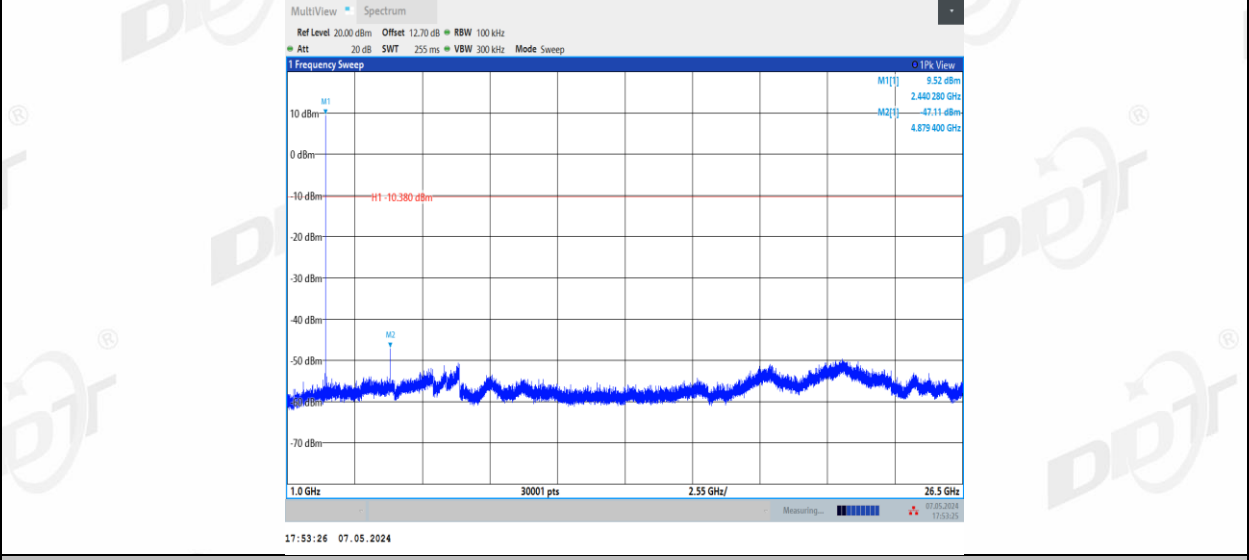




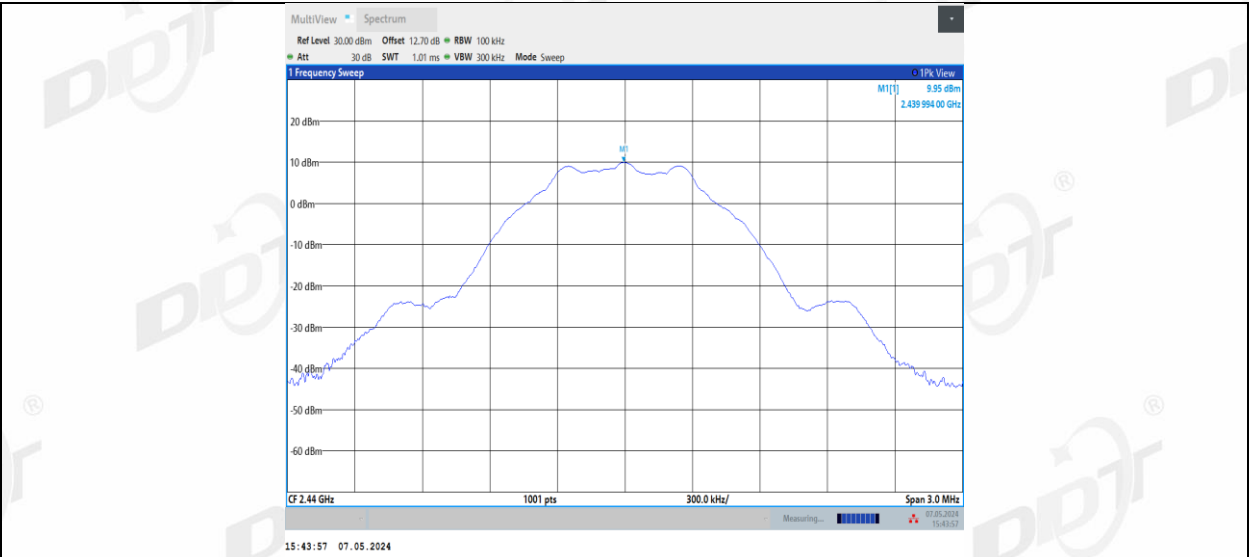
BLE_1M_Ant1_L_2440_30~1000



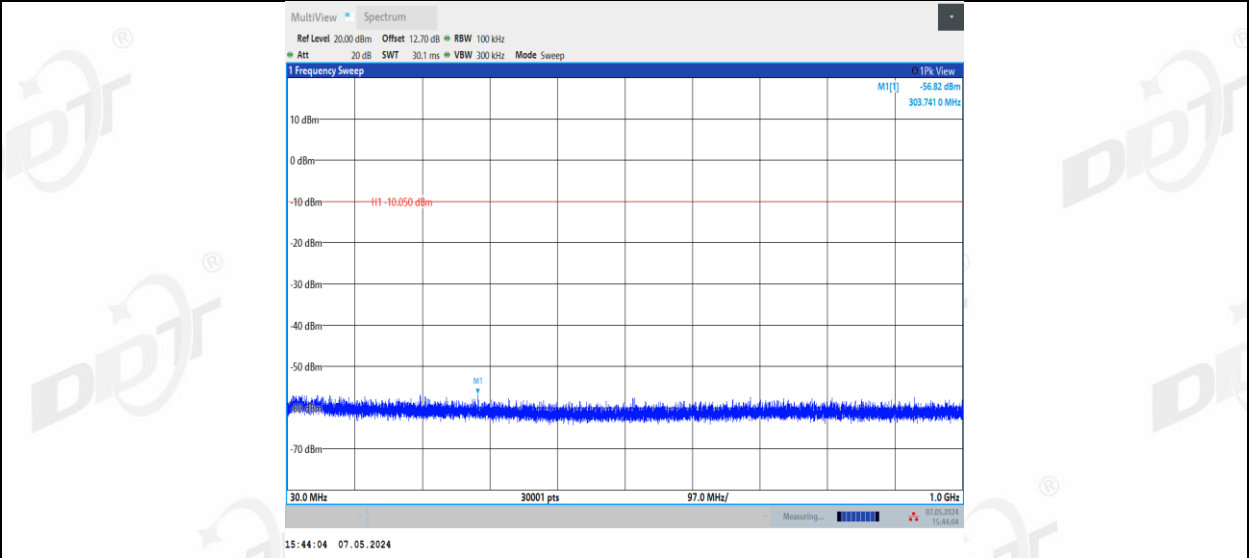
BLE_1M_Ant1_L_2440_1000~26500



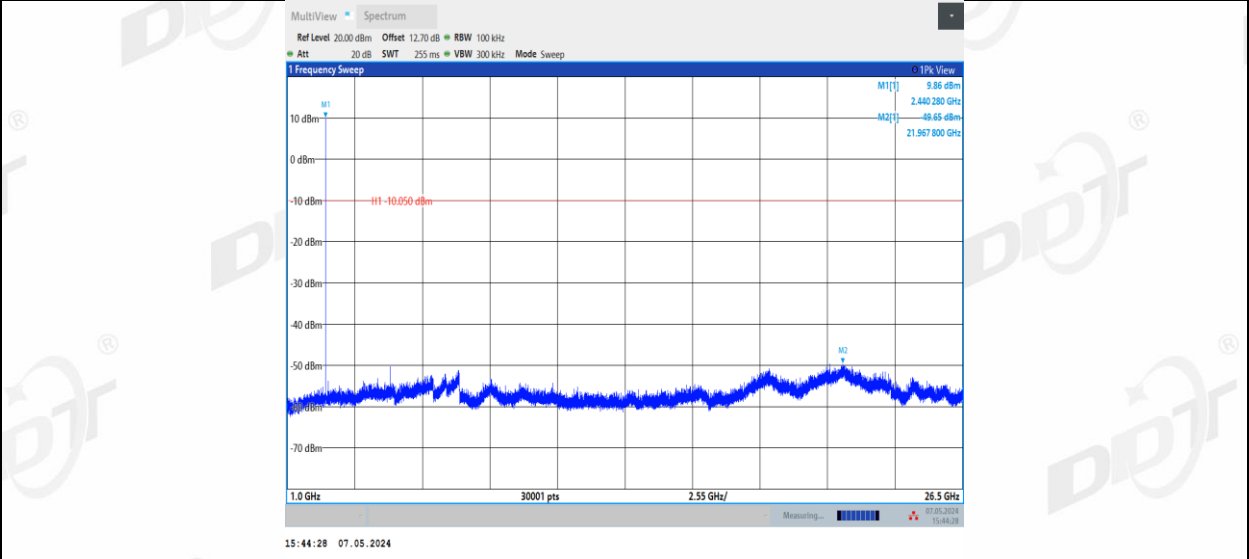
BLE_1M_Ant2_R_2440_0~Reference



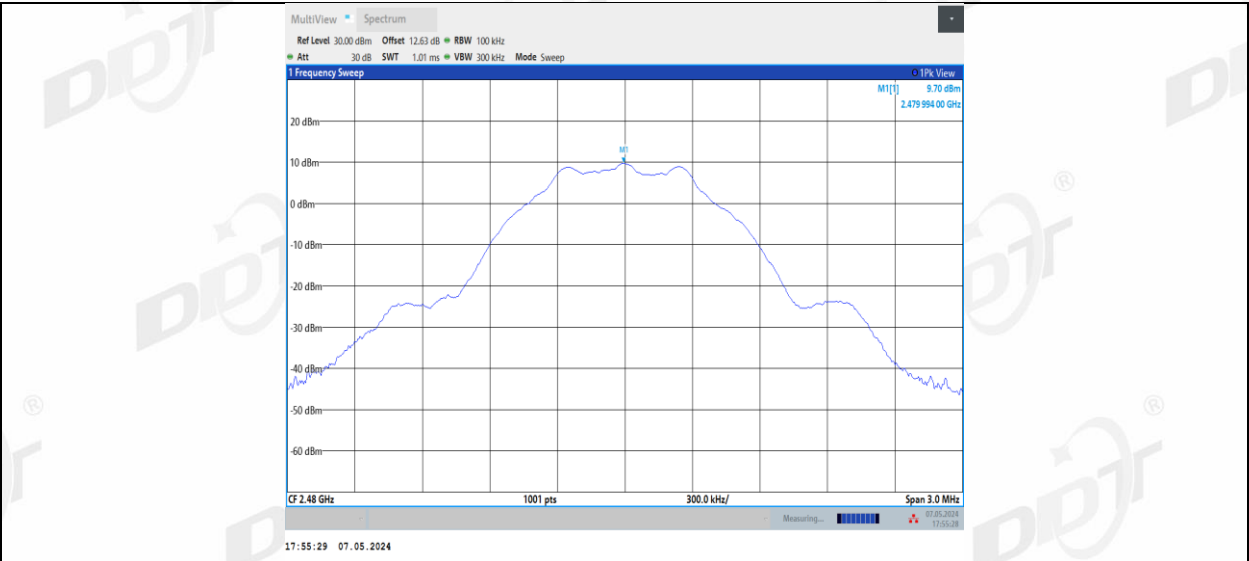
BLE_1M_Ant2_R_2440_30~1000



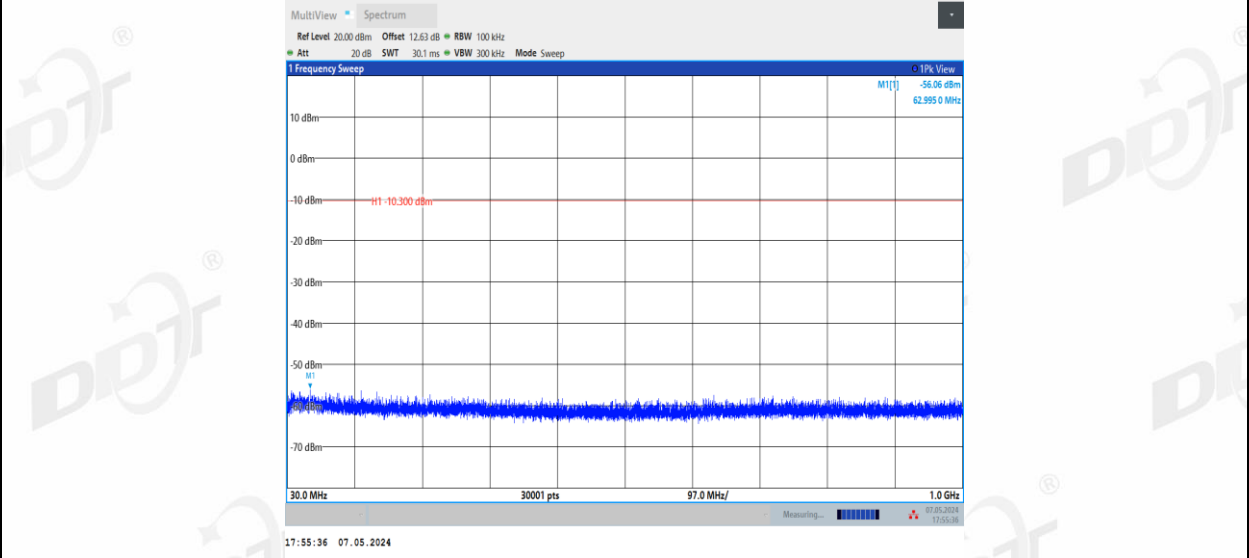
BLE_1M_Ant2_R_2440_1000~26500



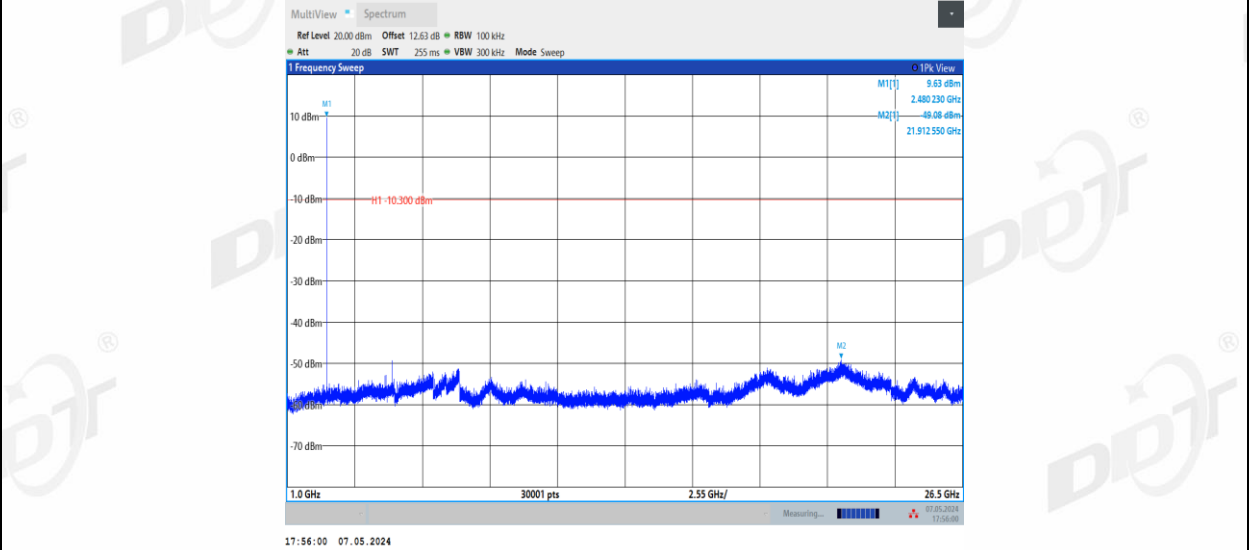
BLE_1M_Ant1_L_2480_0~Reference



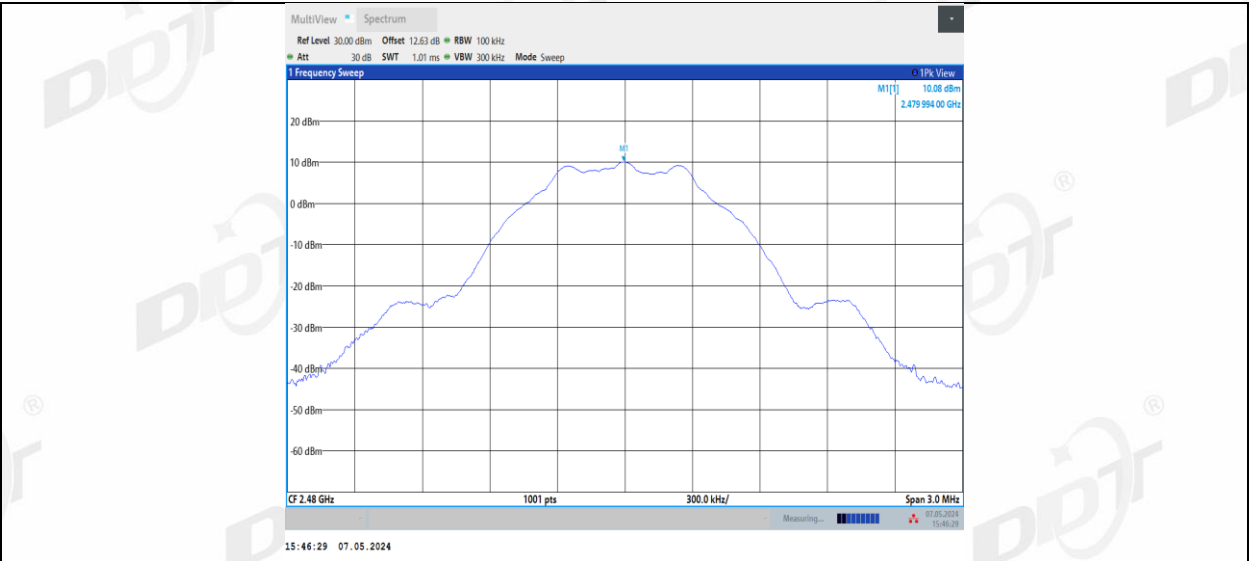
BLE_1M_Ant1_L_2480_30~1000



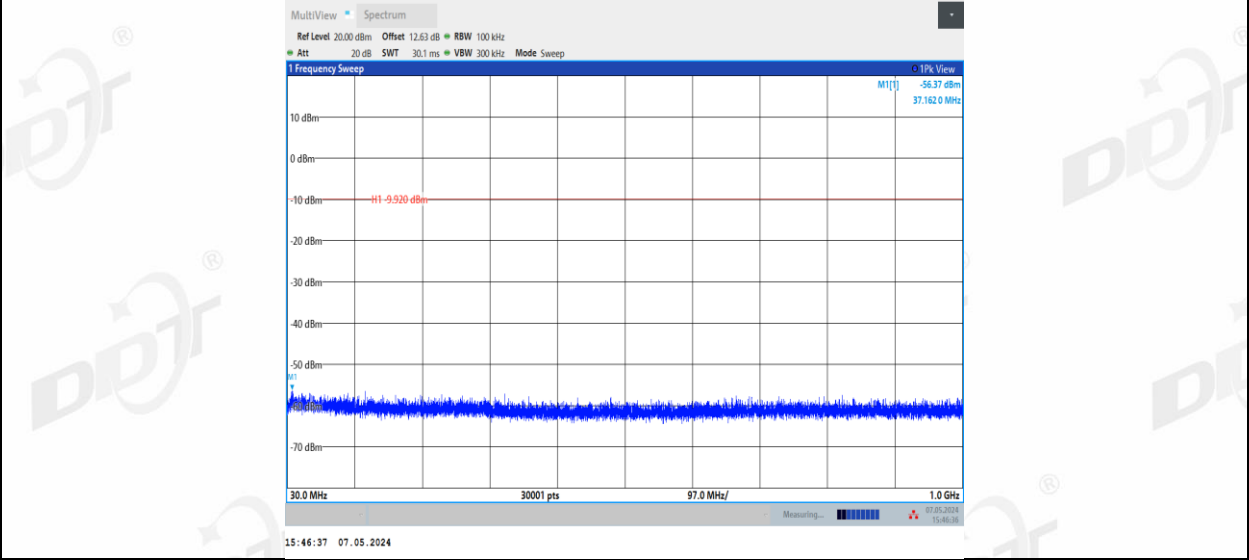
BLE_1M_Ant1_L_2480_1000~26500



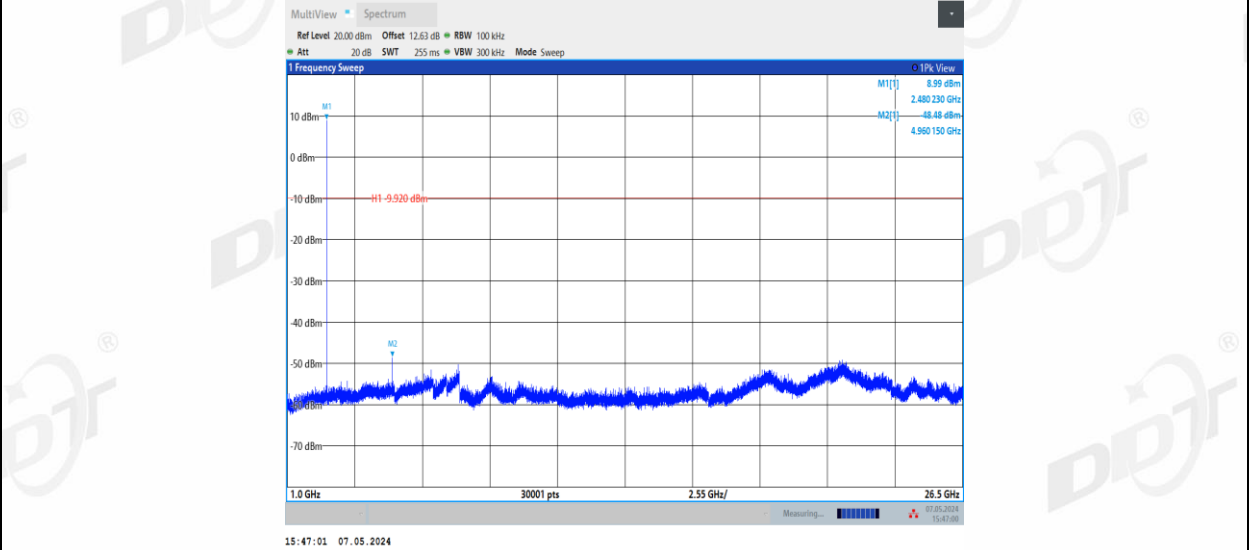
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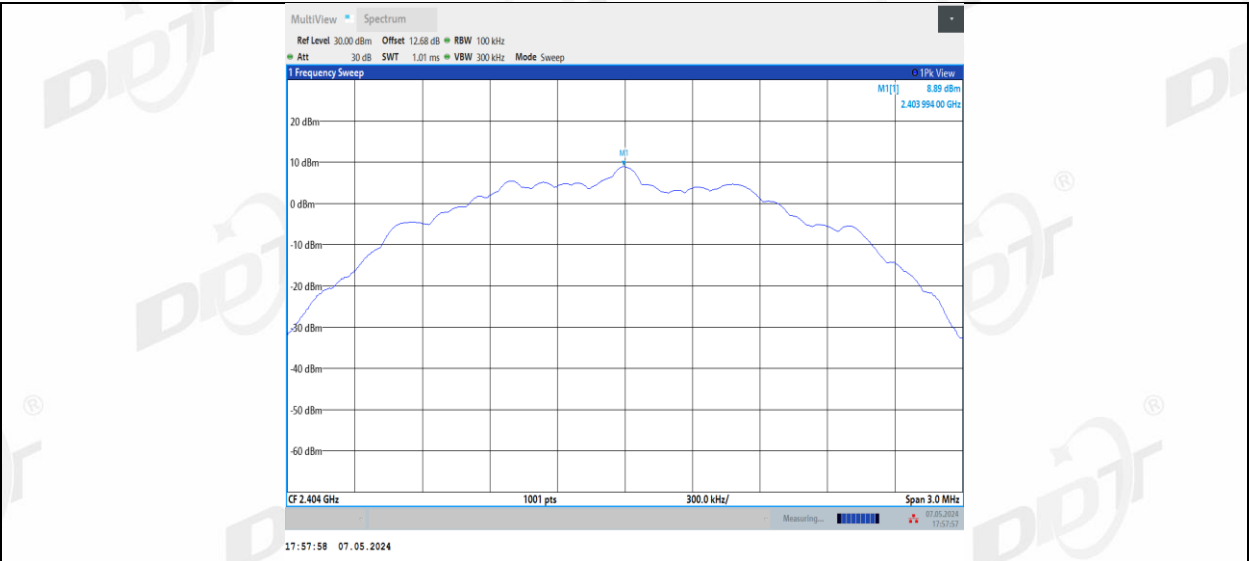
BLE_1M_Ant2_R_2480_30~1000



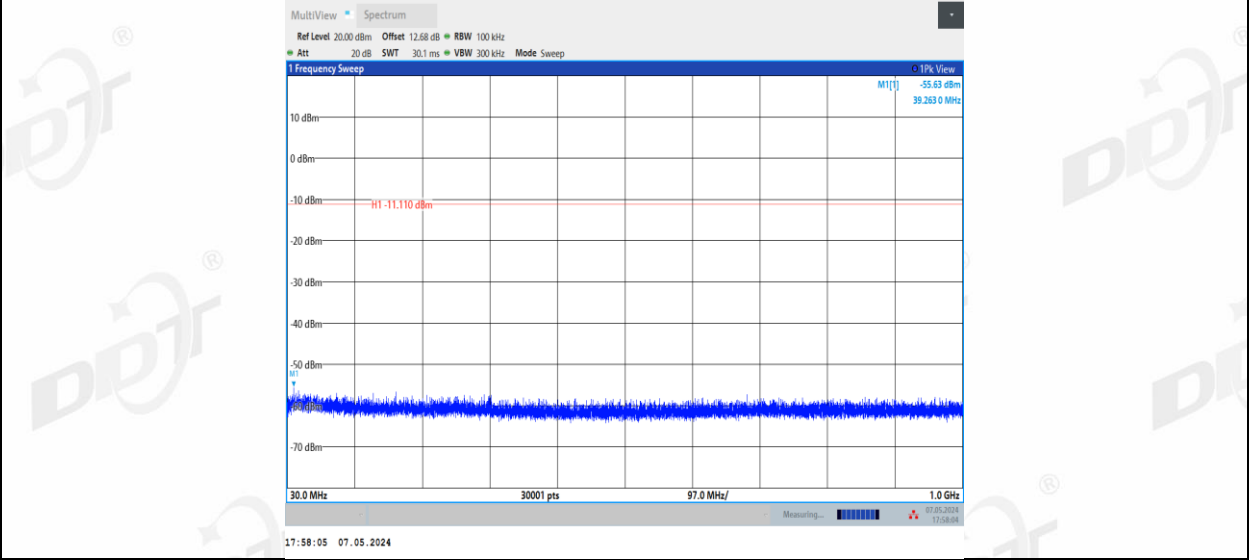
BLE_1M_Ant2_R_2480_1000~26500



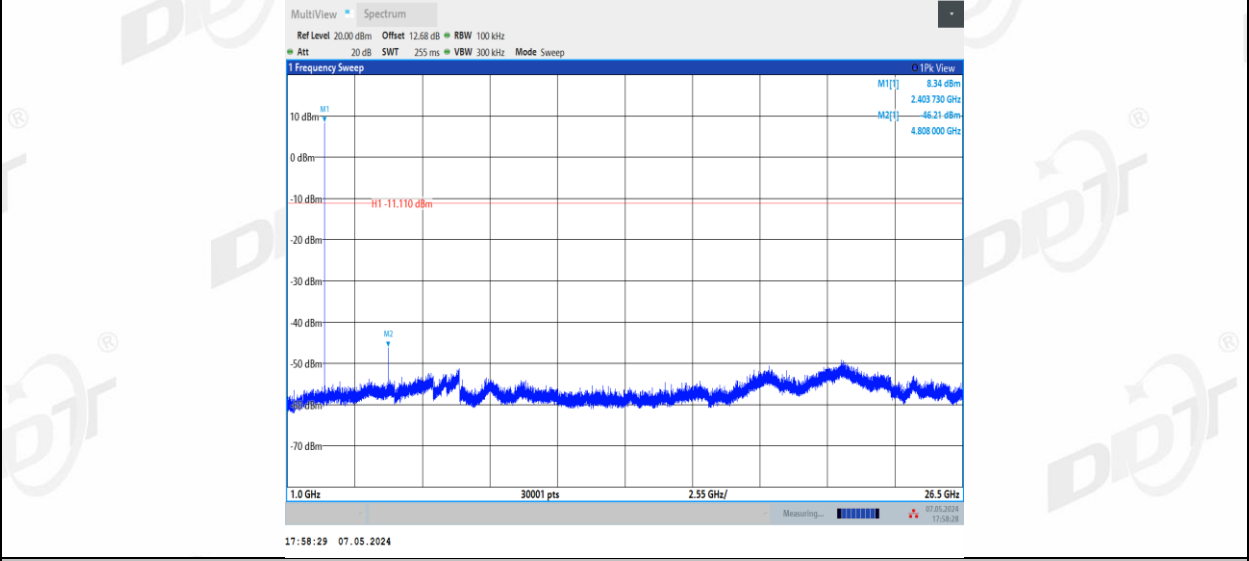
BLE_2M_Ant1_L_2404_0~Reference



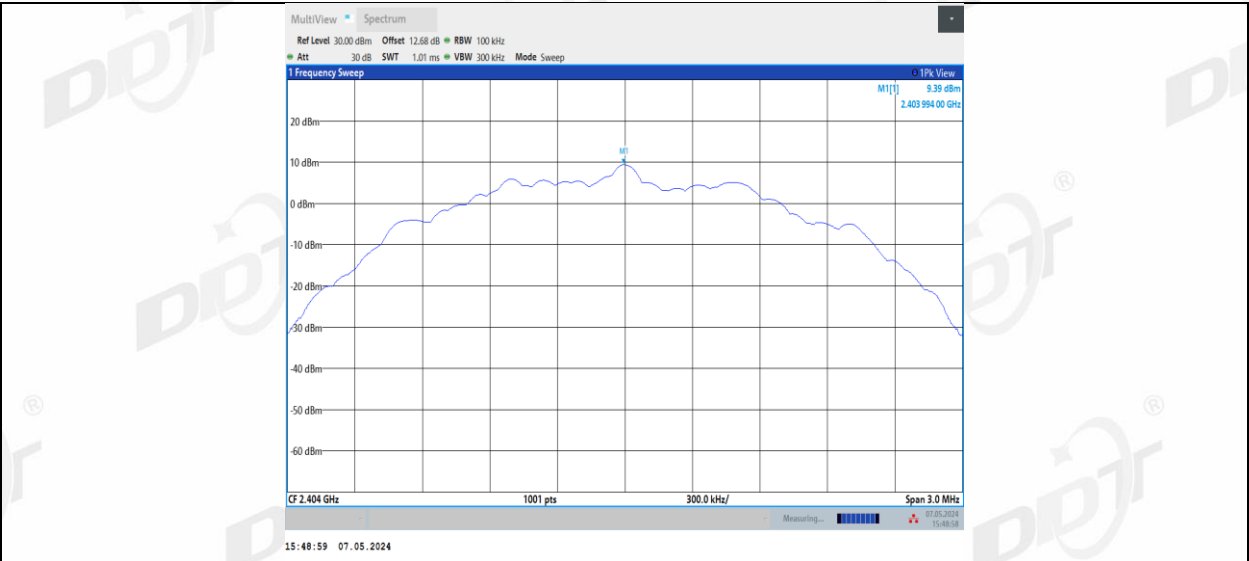
BLE_2M_Ant1_L_2404_30~1000



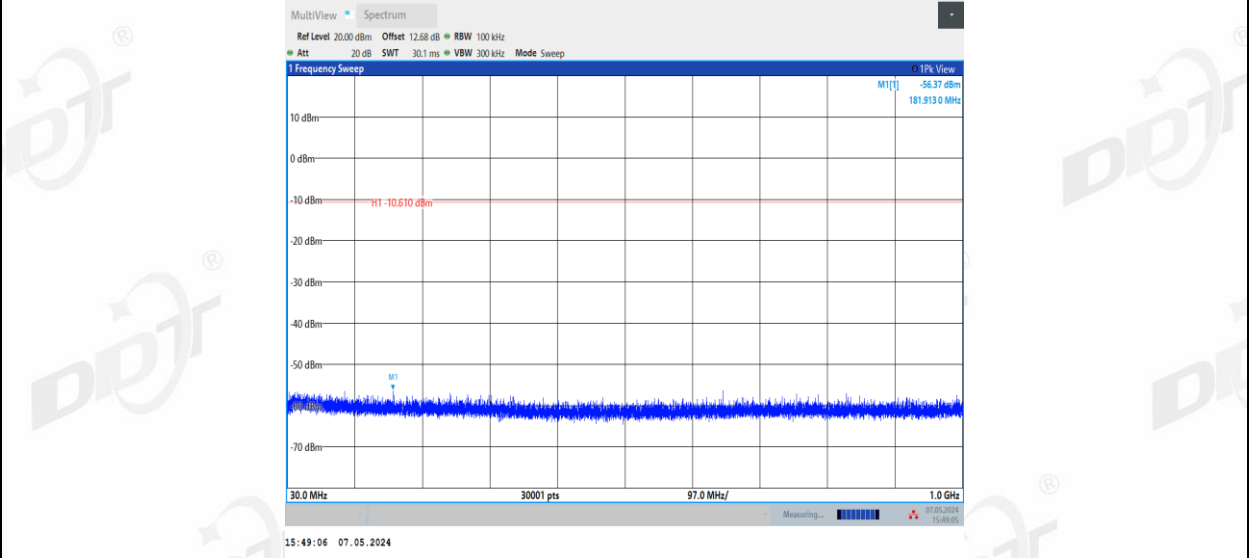
BLE_2M_Ant1_L_2404_1000~26500



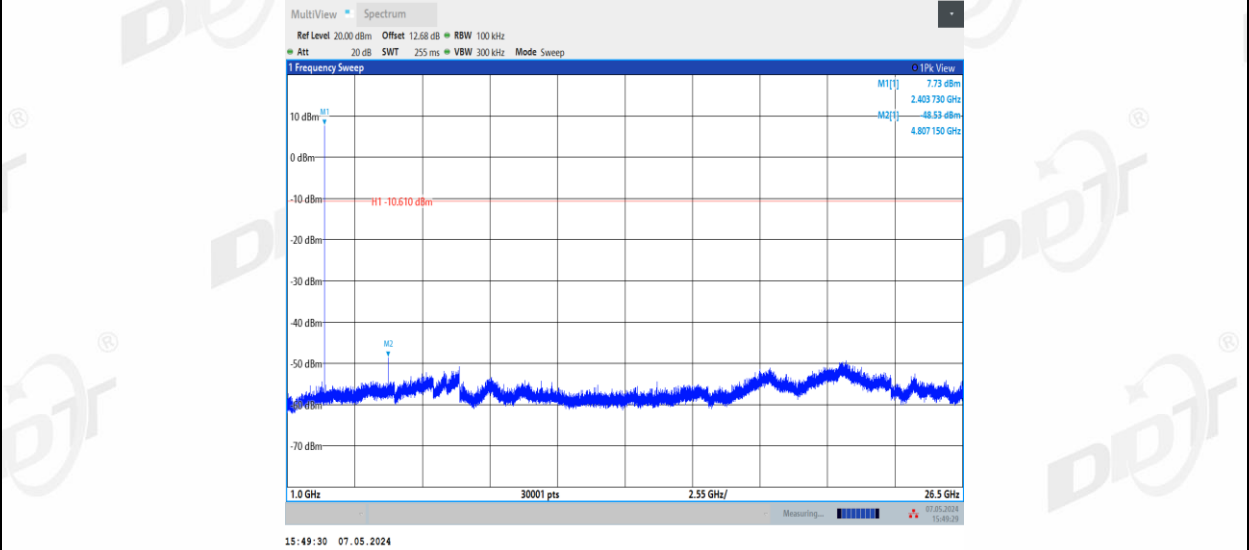
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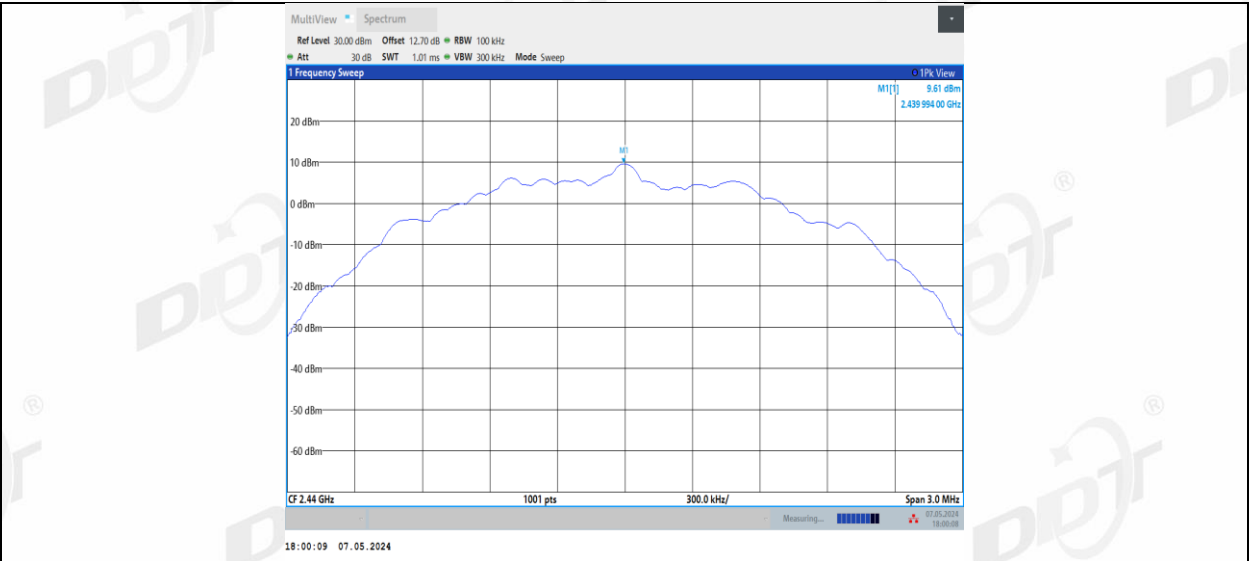
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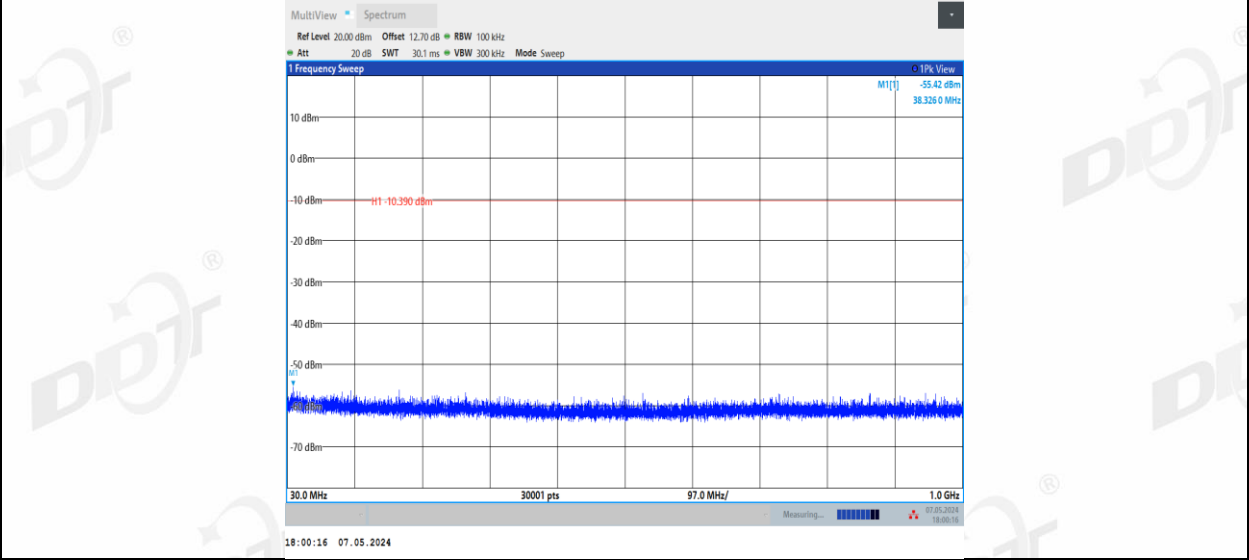
BLE_2M_Ant2_R_2404_1000~26500



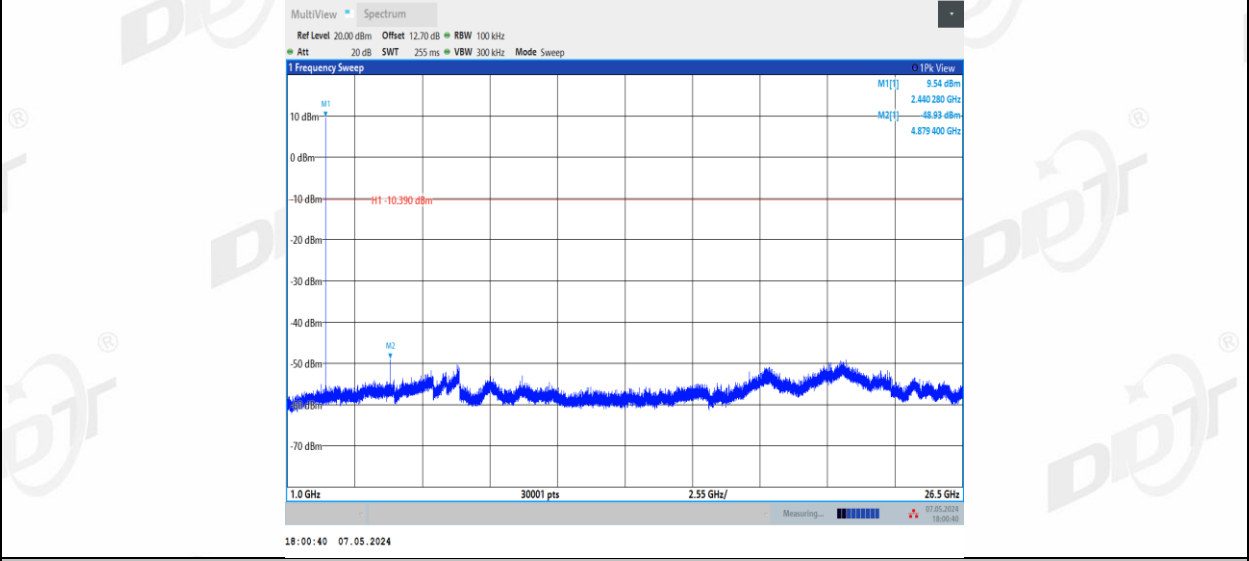
BLE_2M_Ant1_L_2440_0~Reference



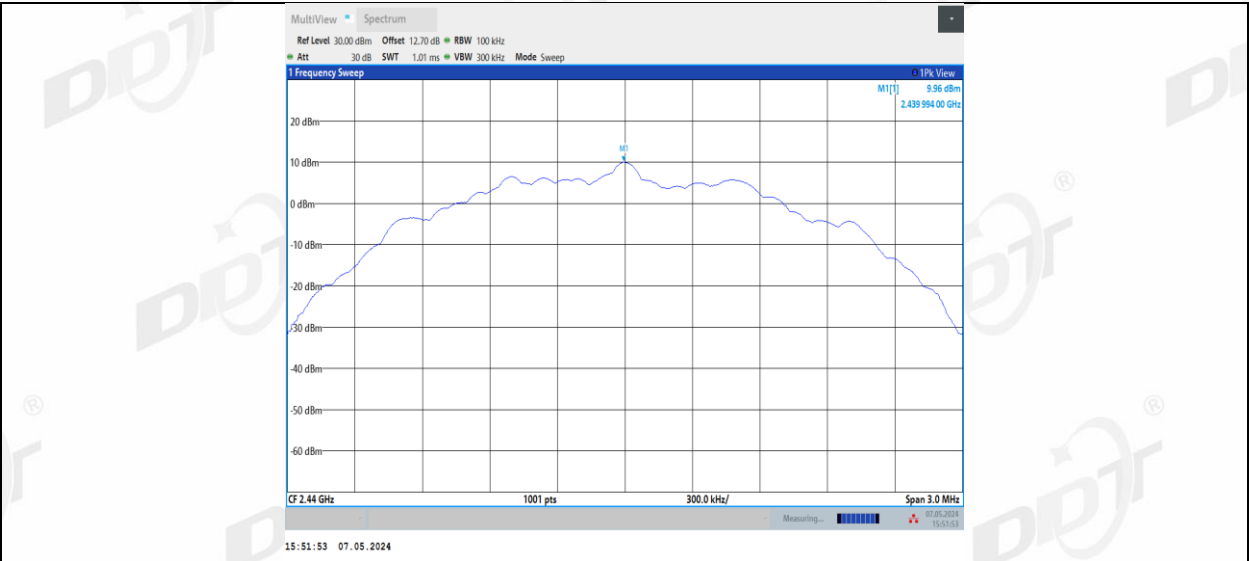
BLE_2M_Ant1_L_2440_30~1000



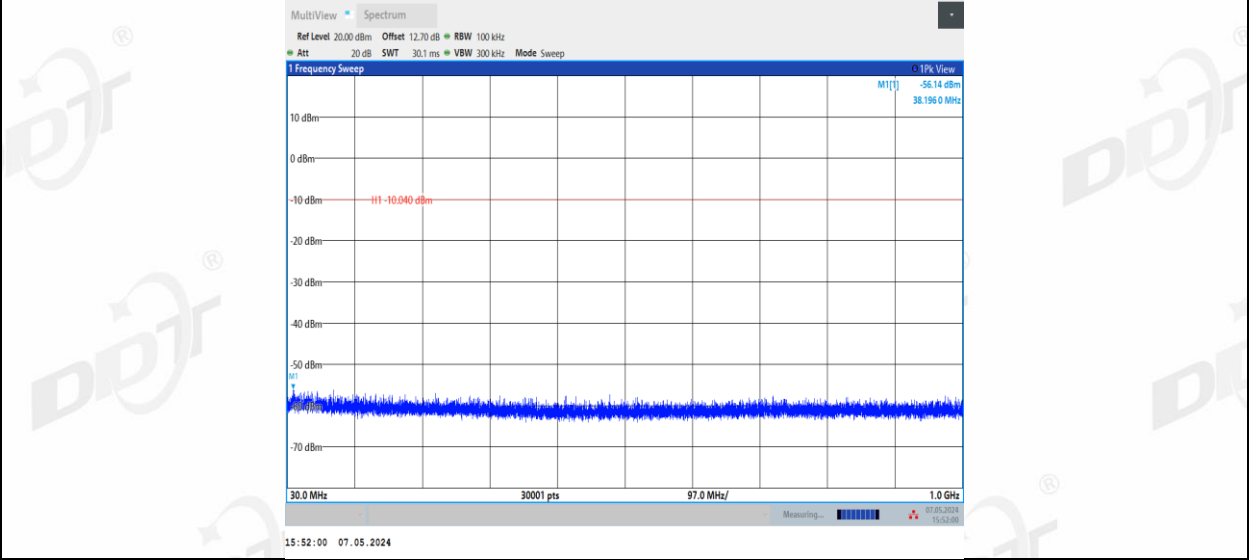
BLE_2M_Ant1_L_2440_1000~26500



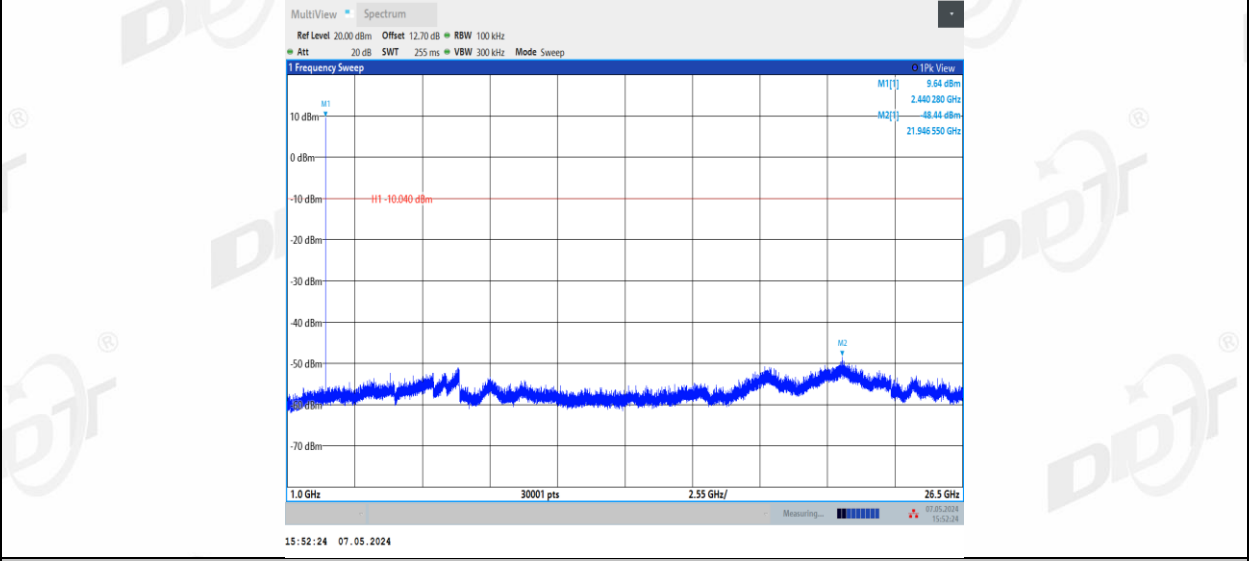
BLE_2M_Ant2_R_2440_0~Reference



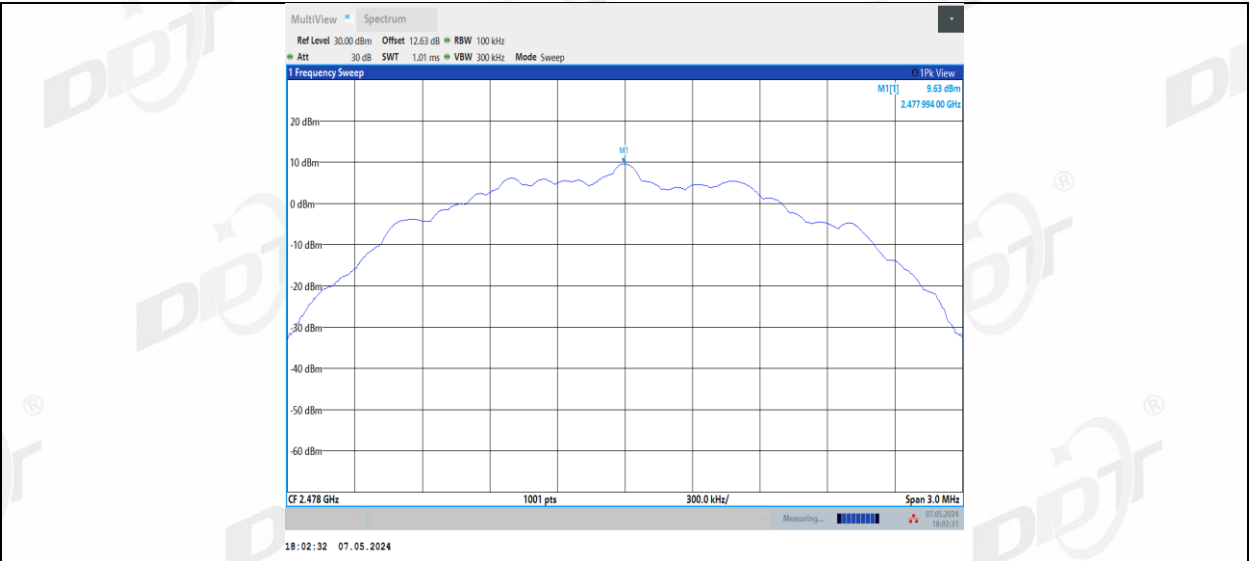
BLE_2M_Ant2_R_2440_30~1000



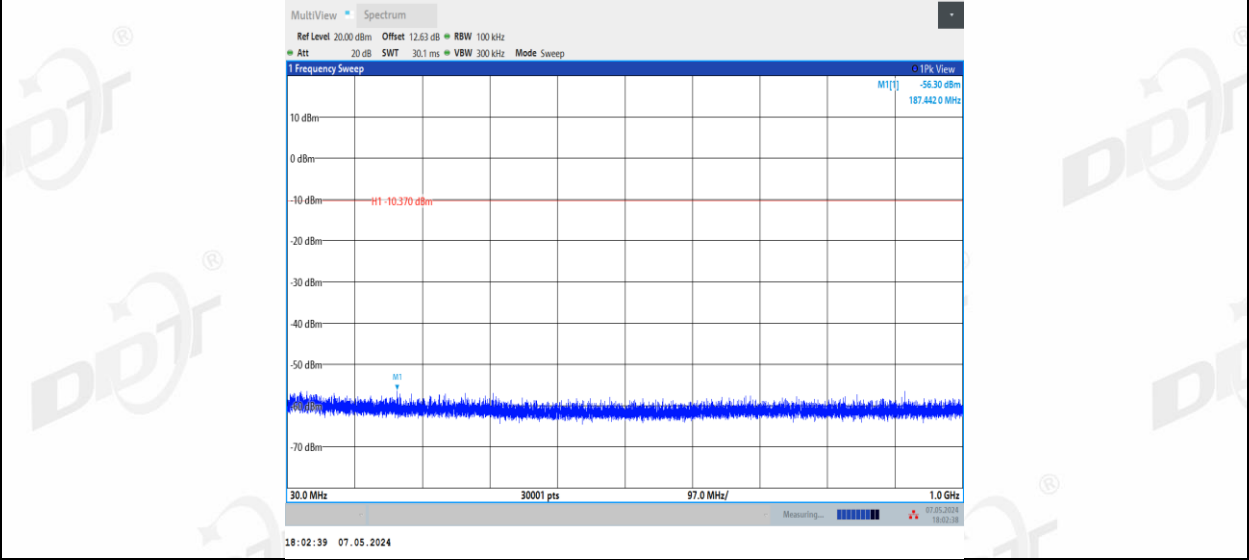
BLE_2M_Ant2_R_2440_1000~26500



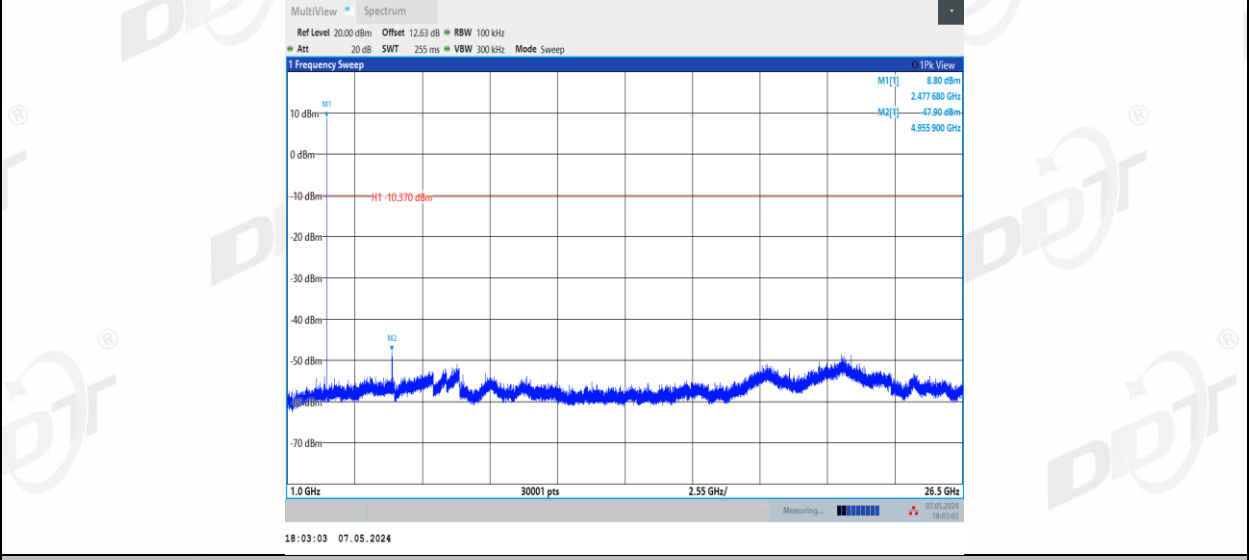
BLE_2M_Ant1_L_2478_0~Reference



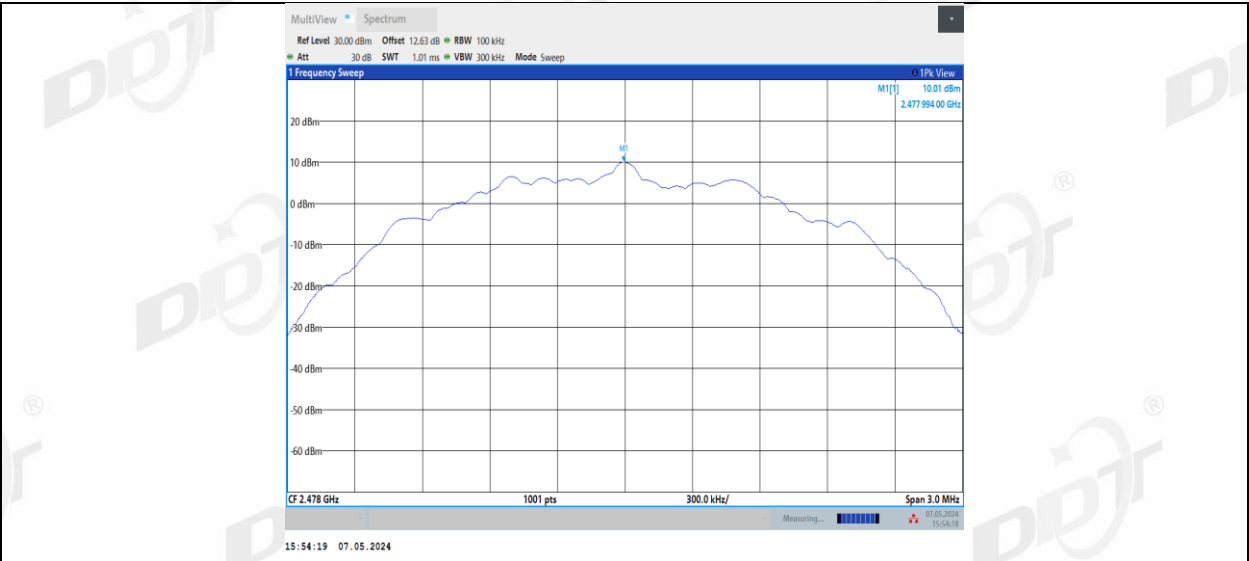
BLE_2M_Ant1_L_2478_30~1000



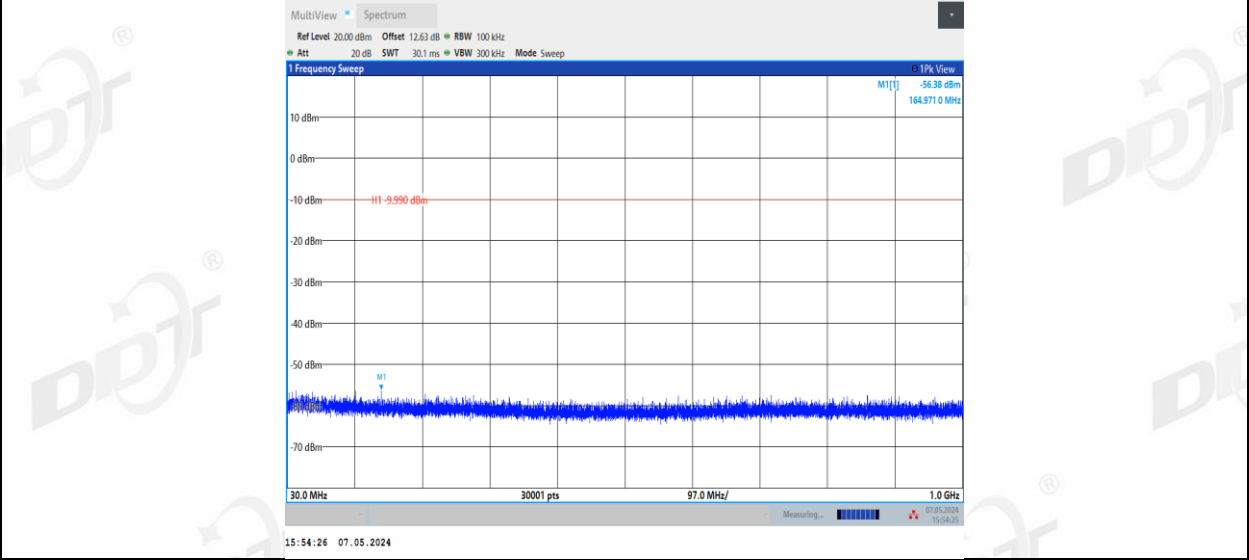
BLE_2M_Ant1_L_2478_1000~26500



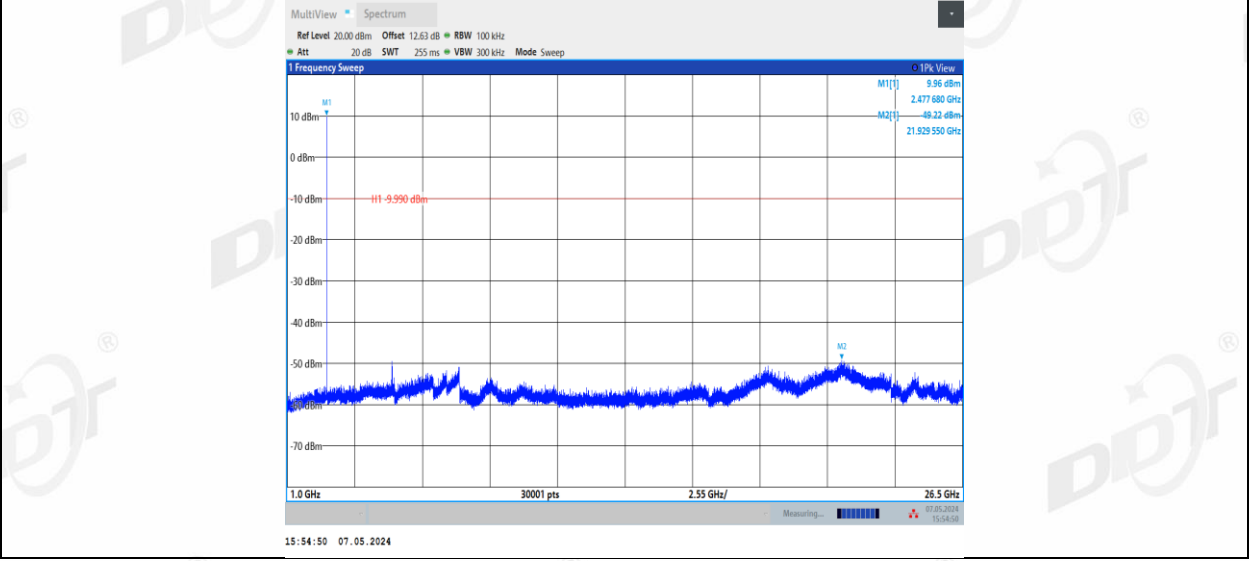
BLE_2M_Ant2_R_2478_0~Reference



BLE_2M_Ant2_R_2478_30~1000

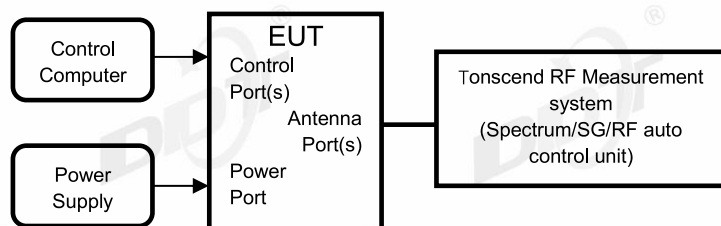


BLE_2M_Ant2_R_2478_1000~26500



10. Duty Cycle

10.1. Block diagram of test setup



10.2. Limit

Just for Report.

10.3. 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

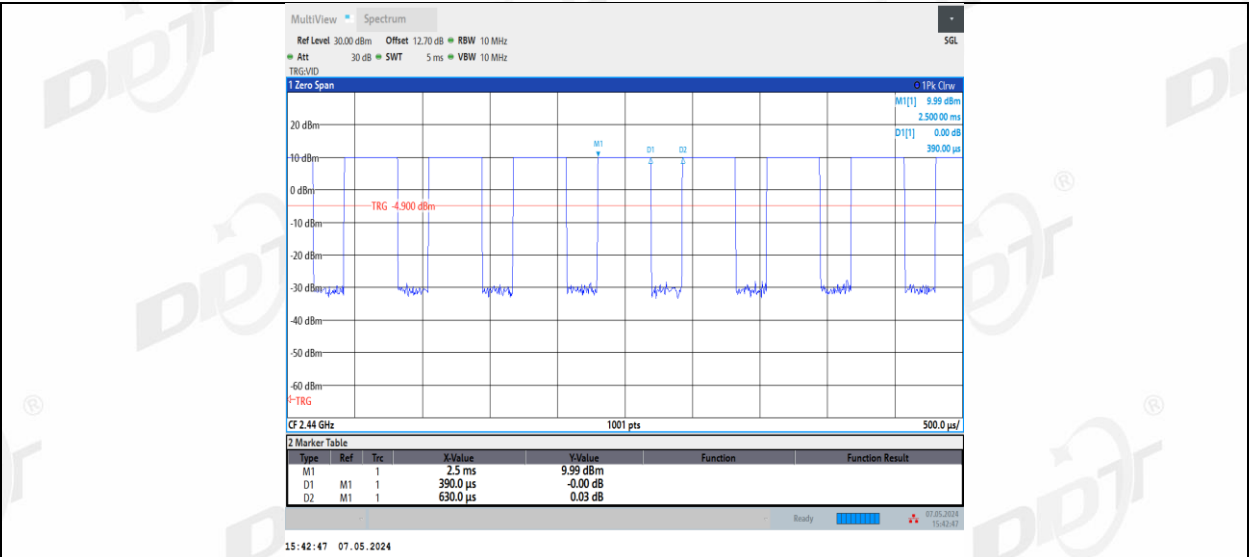
10.4. Test result

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

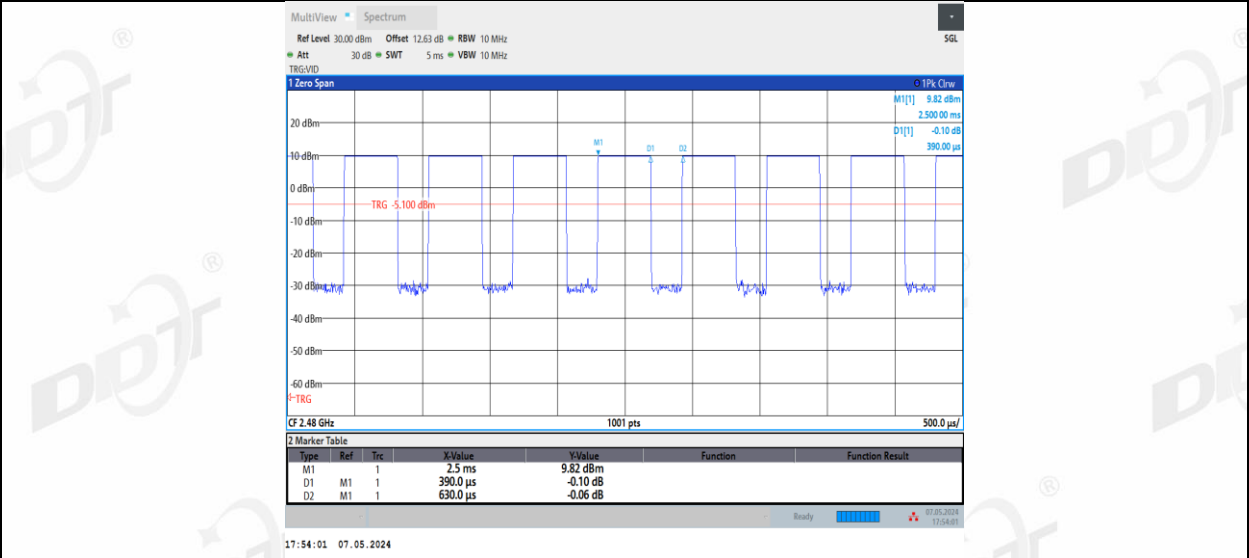
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1_L	2402	0.39	0.63	61.90	2.08
	Ant2_R	2402	0.39	0.63	61.90	2.08
	Ant1_L	2440	0.39	0.63	61.90	2.08
	Ant2_R	2440	0.39	0.63	61.90	2.08
	Ant1_L	2480	0.39	0.63	61.90	2.08
	Ant2_R	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1_L	2404	0.21	0.63	33.33	4.77
	Ant2_R	2404	0.21	0.63	33.33	4.77
	Ant1_L	2440	0.21	0.63	33.33	4.77
	Ant2_R	2440	0.21	0.63	33.33	4.77
	Ant1_L	2478	0.21	0.63	33.33	4.77
	Ant2_R	2478	0.20	0.62	32.26	4.91

10.5. Test graphs

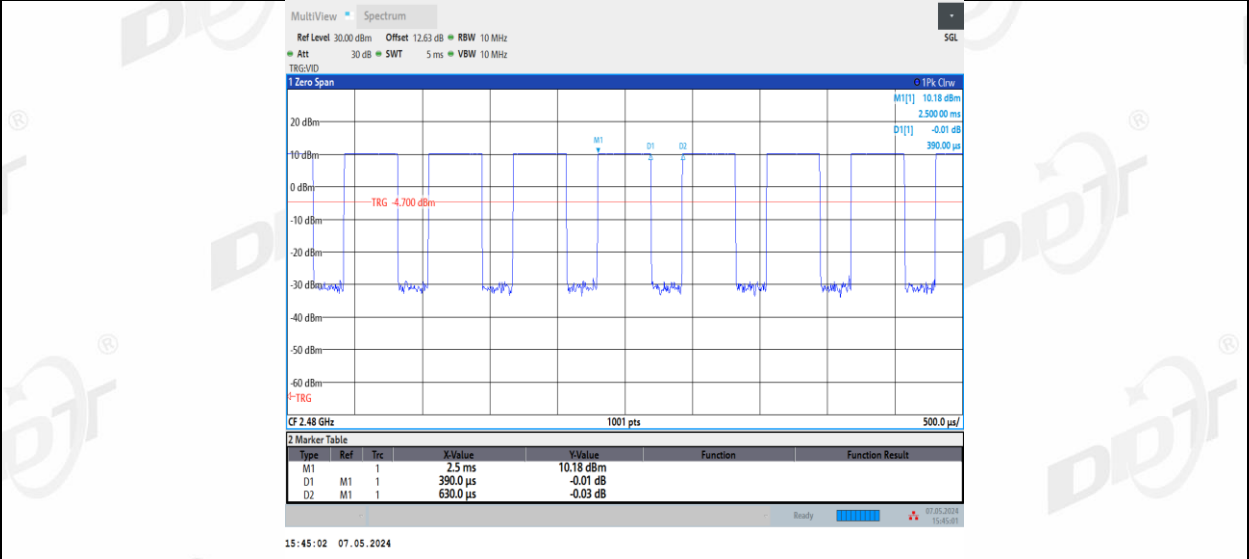




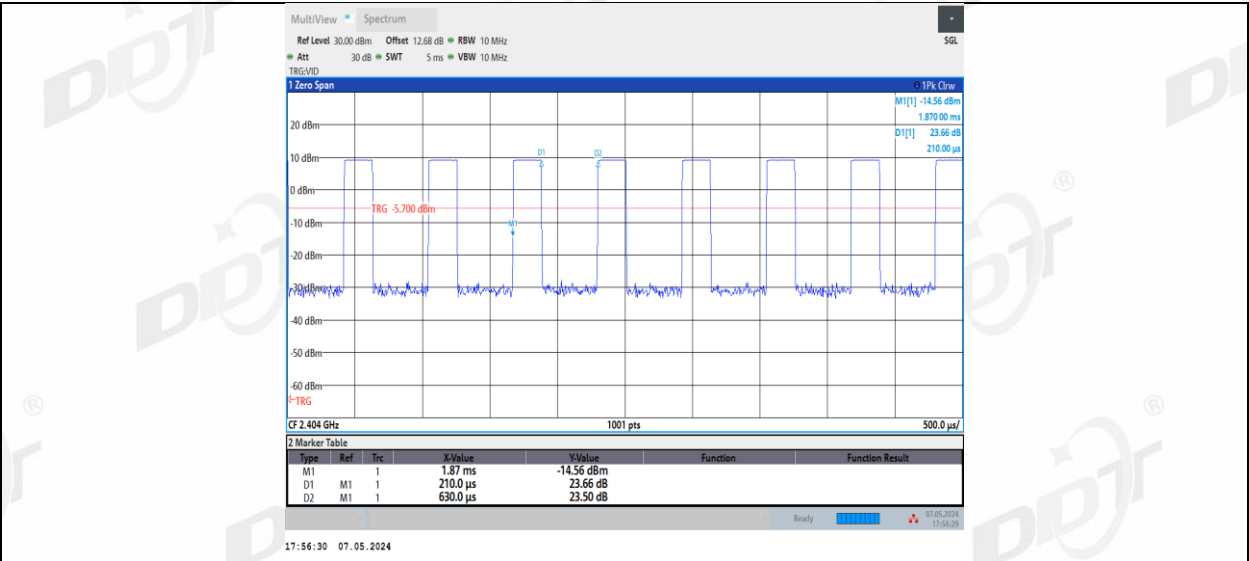
BLE_1M_Ant1_L_2480



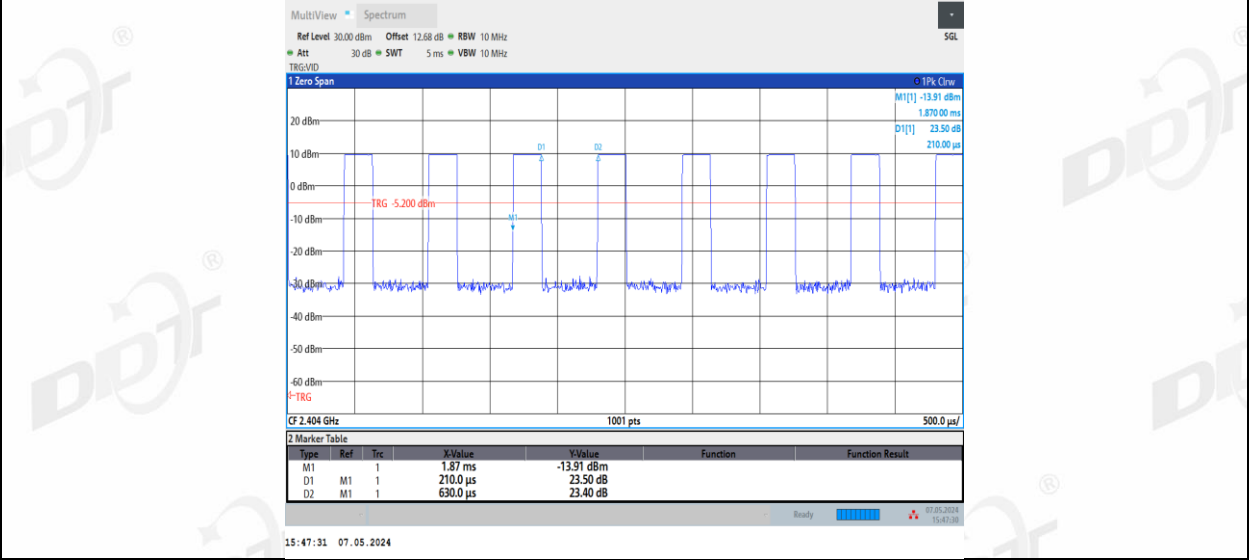
BLE_1M_Ant2_R_2480



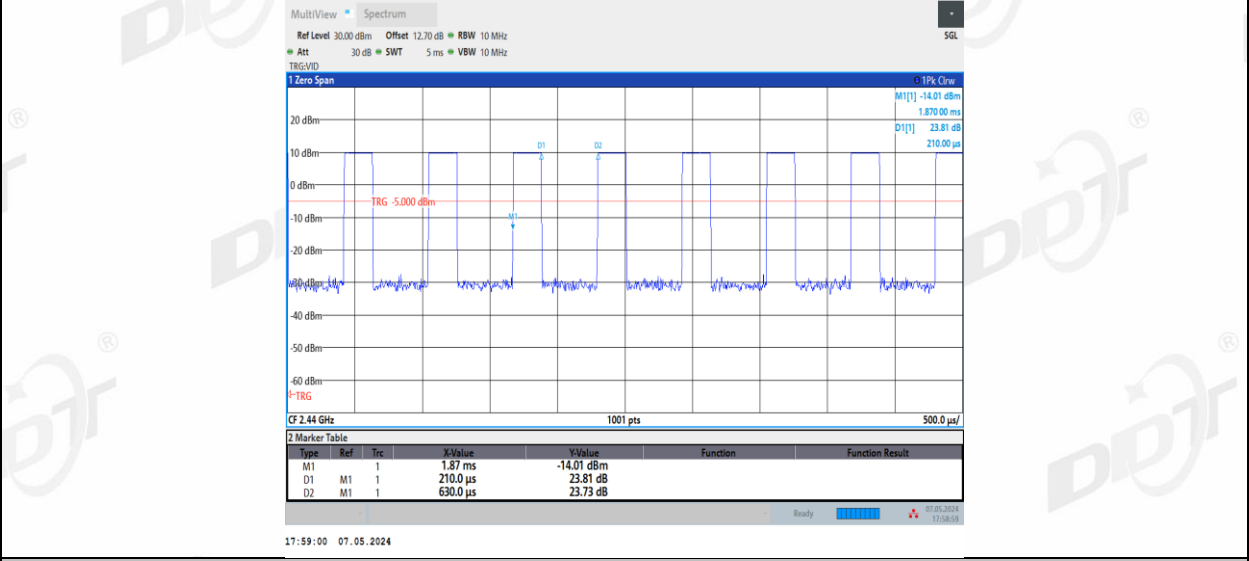
BLE_2M_Ant1_L_2404



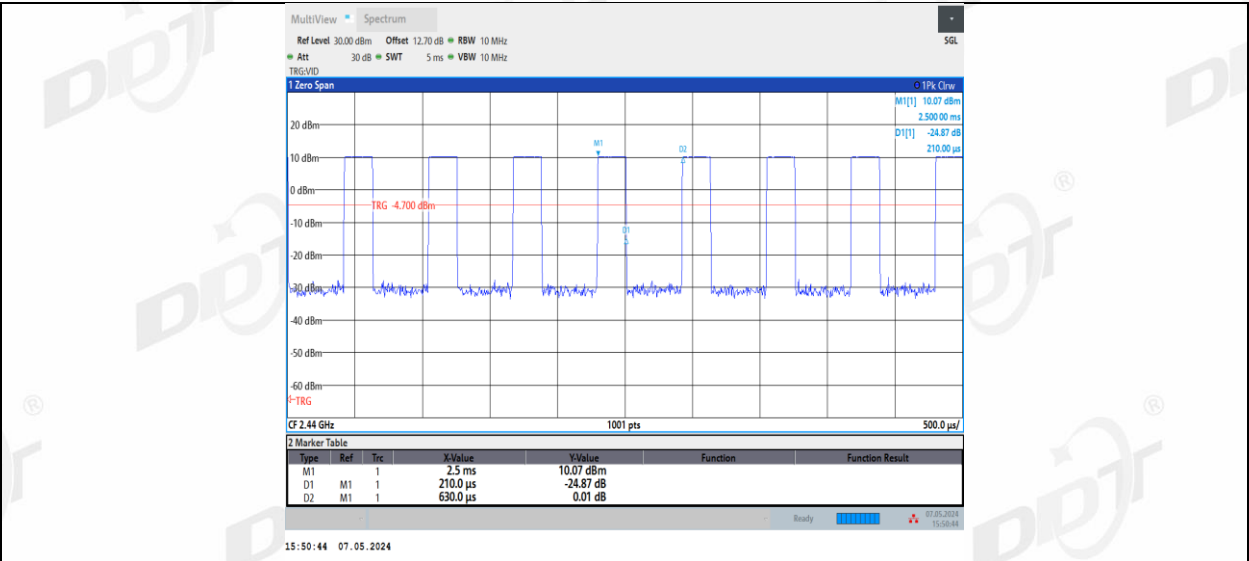
BLE_2M_Ant2_R_2404



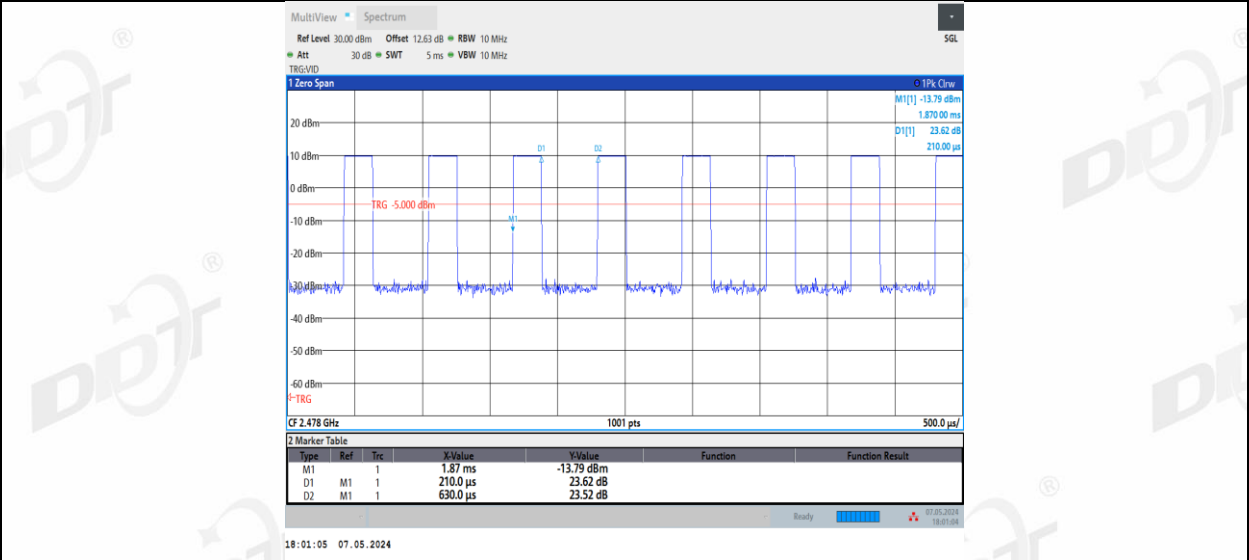
BLE_2M_Ant1_L_2440



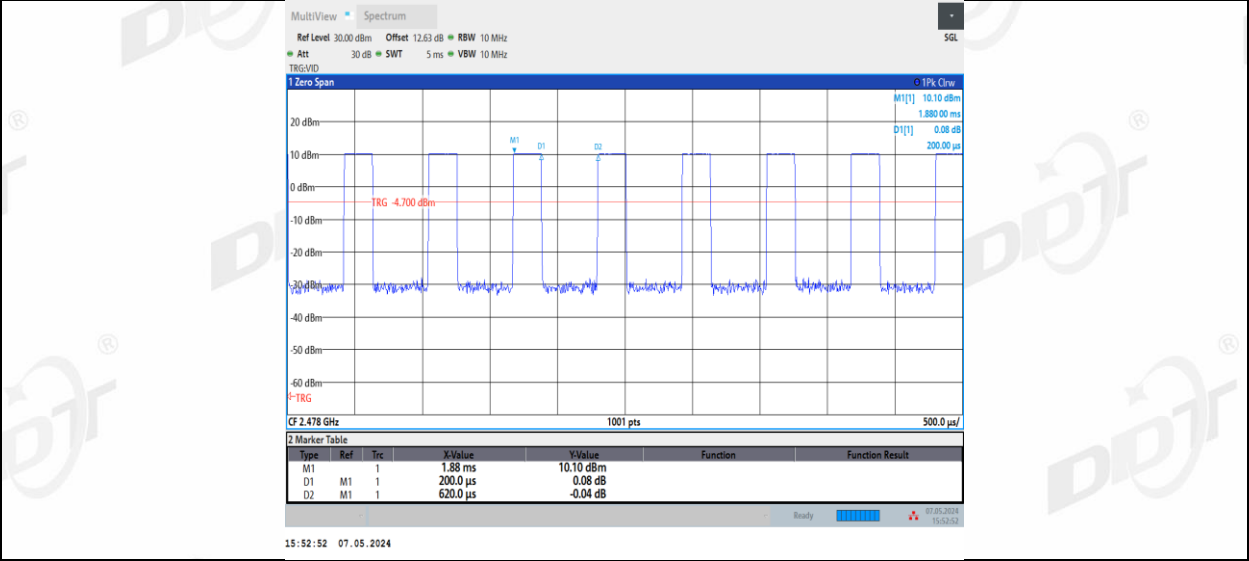
BLE_2M_Ant2_R_2440



BLE_2M_Ant1_L_2478



BLE_2M_Ant2_R_2478



11. Antenna Requirements

11.1. 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.

11.2. Result

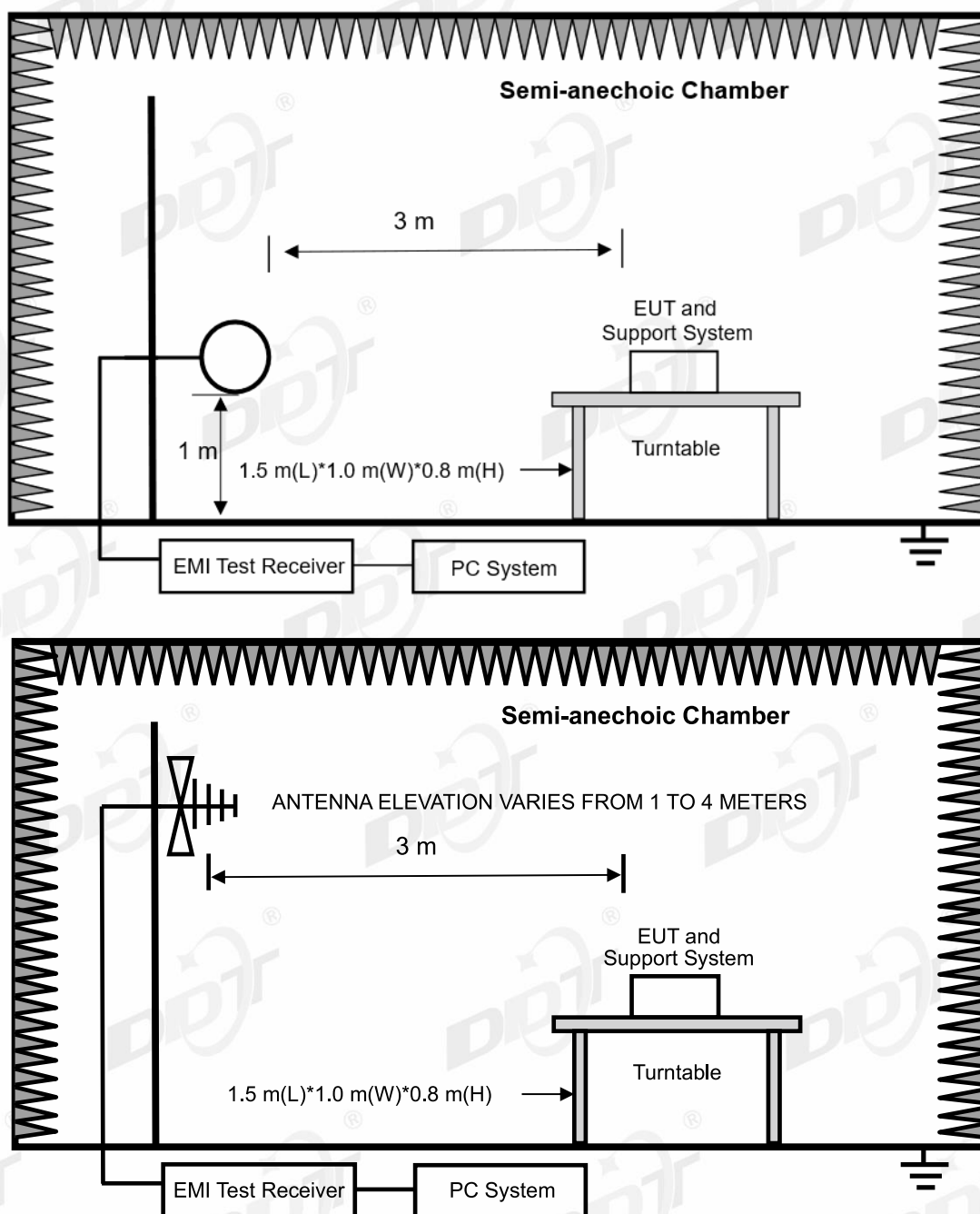
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

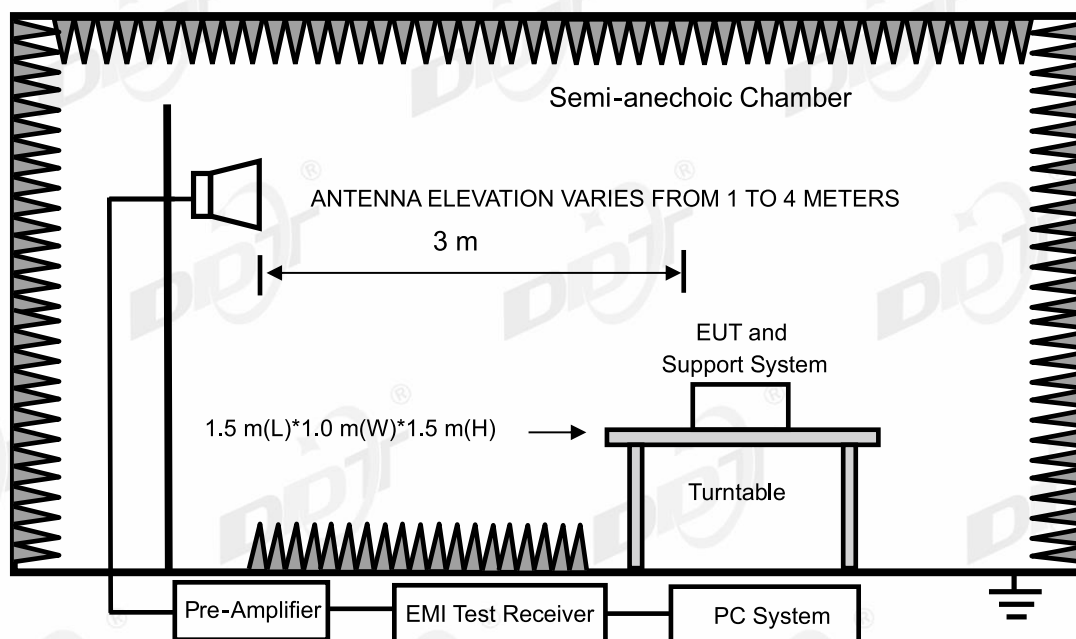
12.Radiated Emission

12.1. Test equipment

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

12.2. Block diagram of test setup





12.3. 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
¹ 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	(²)
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 MHz	DISTANCE 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) 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 limits.

12.4. Assistant equipment used for test

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

12.5. 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.

12.6. Test result

PASS. (See below detailed test result)

12.7. 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:

BLE1M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

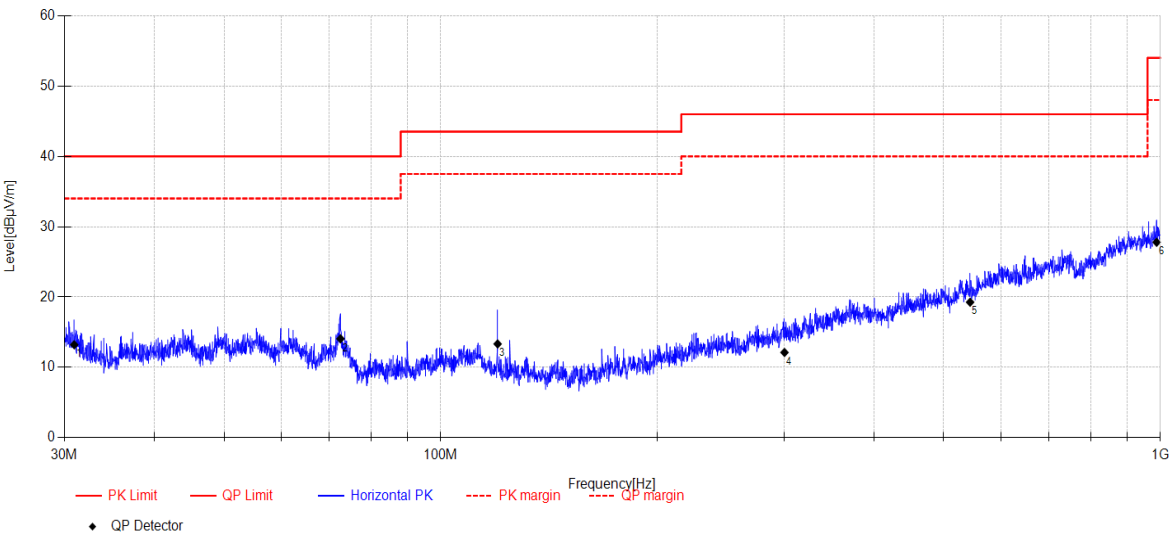
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215315_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	30.962	29.33	10.40	4.48	-30.99	13.22	40.00	26.78	QP	Horizontal
2	72.579	30.45	9.37	4.80	-30.55	14.07	40.00	25.93	QP	Horizontal
3	119.991	29.01	10.00	5.17	-30.84	13.34	43.50	30.16	QP	Horizontal
4	300.440	22.58	13.70	6.15	-30.30	12.13	46.00	33.87	QP	Horizontal
5	544.103	25.02	17.04	7.11	-29.90	19.27	46.00	26.73	QP	Horizontal
6	988.151	25.32	22.03	8.65	-28.21	27.79	54.00	26.21	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:

BLE1M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

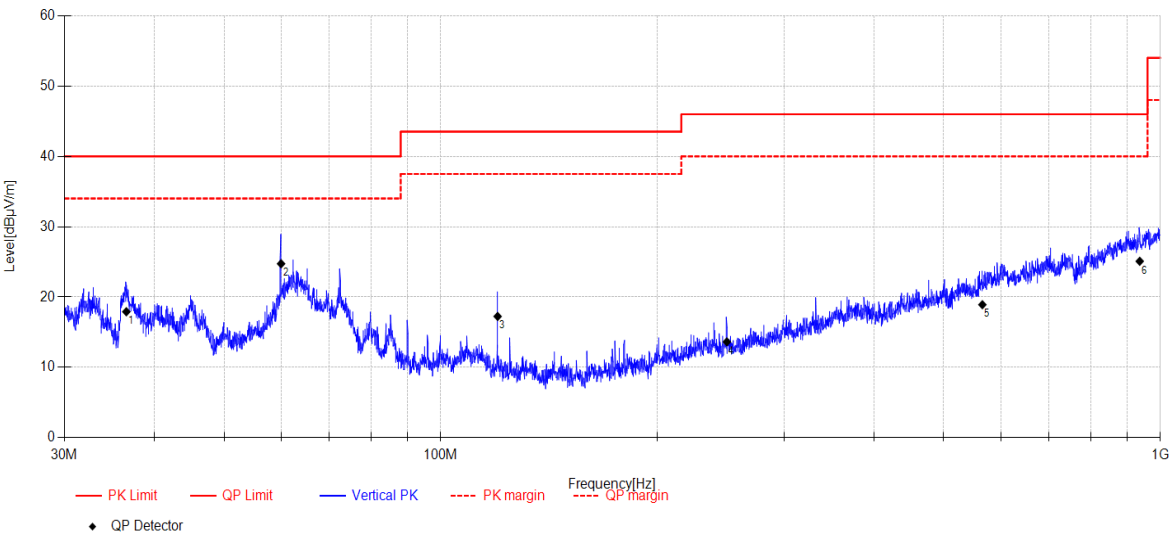
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215358_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	36.585	32.48	11.78	4.56	-30.90	17.92	40.00	22.08	QP	Vertical
2	60.019	37.82	12.79	4.76	-30.63	24.74	40.00	15.26	QP	Vertical
3	119.991	32.92	10.00	5.17	-30.84	17.25	43.50	26.25	QP	Vertical
4	249.844	26.46	11.69	5.94	-30.45	13.64	46.00	32.36	QP	Vertical
5	565.893	23.82	17.81	7.19	-29.90	18.92	46.00	27.08	QP	Vertical
6	936.215	23.46	21.83	8.47	-28.67	25.09	46.00	20.91	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

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:

BLE2M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

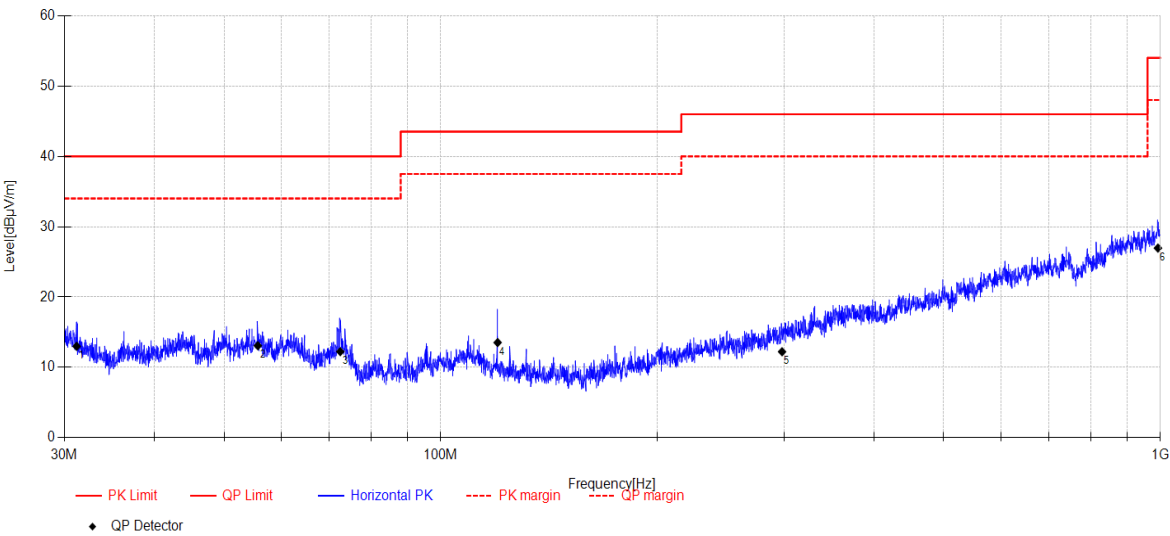
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215501_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	31.201	29.15	10.34	4.49	-30.98	13.00	40.00	27.00	QP	Horizontal
2	55.720	26.59	12.41	4.75	-30.66	13.09	40.00	26.91	QP	Horizontal
3	72.528	28.61	9.39	4.80	-30.55	12.25	40.00	27.75	QP	Horizontal
4	119.991	29.21	10.00	5.17	-30.84	13.54	43.50	29.96	QP	Horizontal
5	298.131	23.07	13.33	6.14	-30.31	12.23	46.00	33.77	QP	Horizontal
6	992.317	24.14	22.33	8.66	-28.17	26.96	54.00	27.04	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:

BLE2M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

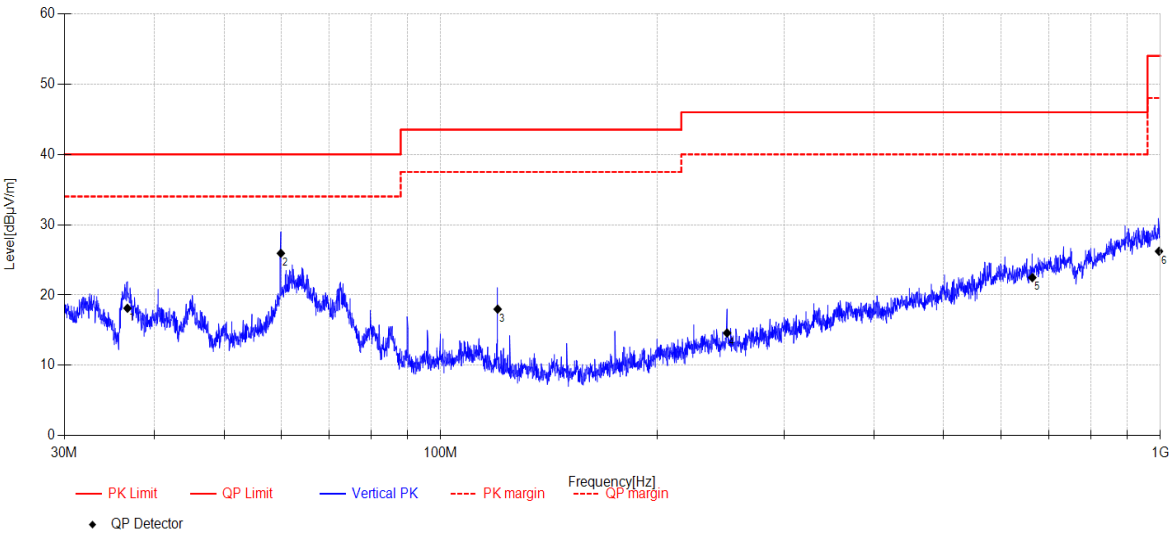
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215542_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	36.713	32.7	11.76	4.56	-30.90	18.12	40.00	21.88	QP	Vertical
2	59.977	39.01	12.79	4.76	-30.63	25.93	40.00	14.07	QP	Vertical
3	119.991	33.67	10.00	5.17	-30.84	18.00	43.50	25.50	QP	Vertical
4	250.020	27.42	11.70	5.94	-30.45	14.61	46.00	31.39	QP	Vertical
5	663.993	25.43	19.34	7.61	-29.90	22.48	46.00	23.52	QP	Vertical
6	995.802	23.25	22.44	8.68	-28.14	26.23	54.00	27.77	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:

BLE1M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

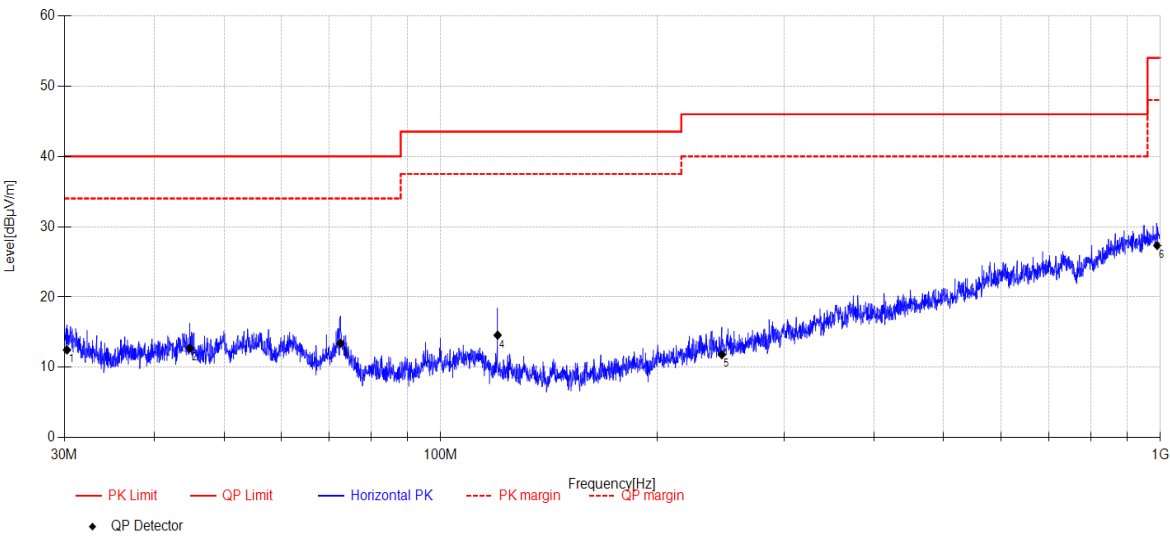
DDT 3# Chamber

File Path:

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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	30.253	28.69	10.33	4.47	-31.00	12.49	40.00	27.51	QP	Horizontal
2	44.834	25.69	13.17	4.66	-30.78	12.74	40.00	27.26	QP	Horizontal
3	72.579	29.8	9.37	4.80	-30.55	13.42	40.00	26.58	QP	Horizontal
4	119.991	30.25	10.00	5.17	-30.84	14.58	43.50	28.92	QP	Horizontal
5	245.847	24.83	11.53	5.92	-30.46	11.82	46.00	34.18	QP	Horizontal
6	990.232	24.74	22.12	8.66	-28.19	27.33	54.00	26.67	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-07

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE1M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

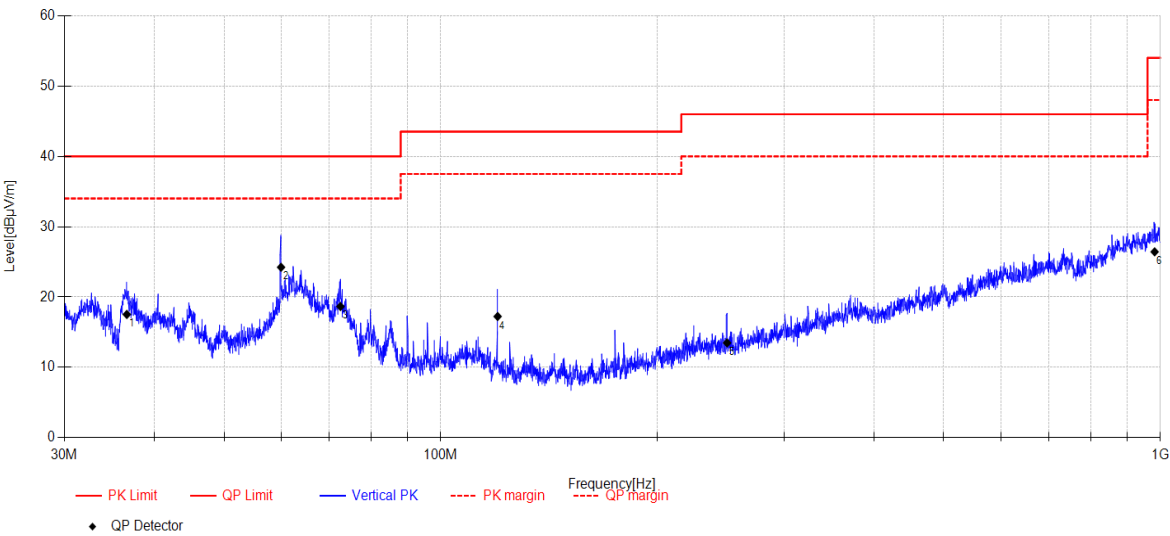
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-215945_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	36.636	32.1	11.77	4.56	-30.90	17.53	40.00	22.47	QP	Vertical
2	60.019	37.32	12.79	4.76	-30.63	24.24	40.00	15.76	QP	Vertical
3	72.579	35.04	9.37	4.80	-30.55	18.66	40.00	21.34	QP	Vertical
4	119.991	32.91	10.00	5.17	-30.84	17.24	43.50	26.26	QP	Vertical
5	250.020	26.3	11.70	5.94	-30.45	13.49	46.00	32.51	QP	Vertical
6	981.935	24.04	22.02	8.63	-28.26	26.43	54.00	27.57	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:

BLE2M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

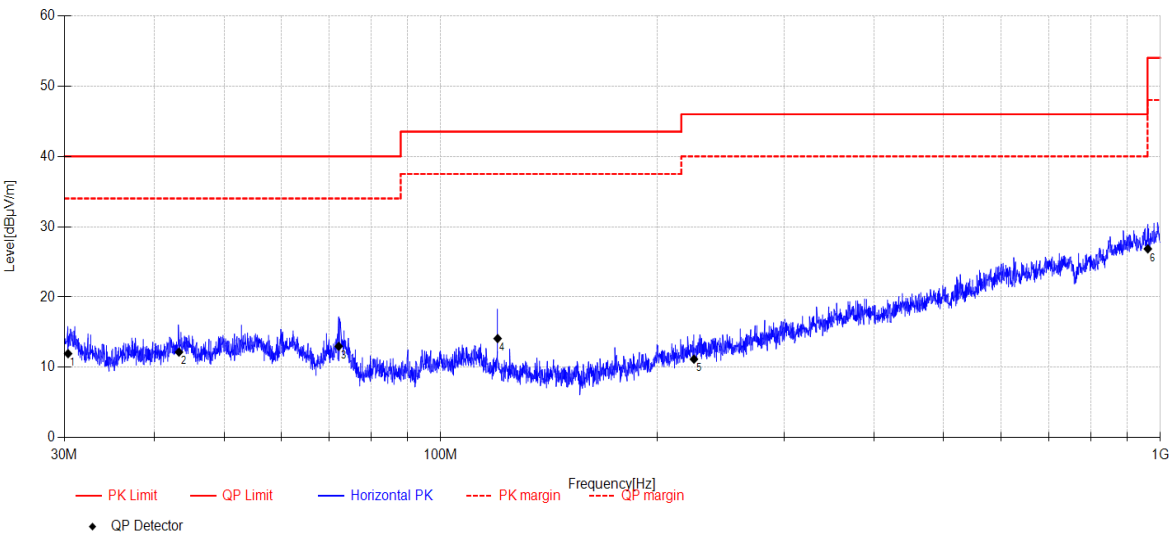
DDT 3# Chamber

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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	30.360	28.14	10.34	4.47	-30.99	11.96	40.00	28.04	QP	Horizontal
2	43.289	25.48	12.86	4.64	-30.80	12.18	40.00	27.82	QP	Horizontal
3	72.173	29.22	9.53	4.80	-30.55	13.00	40.00	27.00	QP	Horizontal
4	119.991	29.78	10.00	5.17	-30.84	14.11	43.50	29.39	QP	Horizontal
5	224.902	24.58	11.29	5.83	-30.53	11.17	46.00	34.83	QP	Horizontal
6	960.821	24.6	22.15	8.55	-28.45	26.85	54.00	27.15	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:

BLE2M TX

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

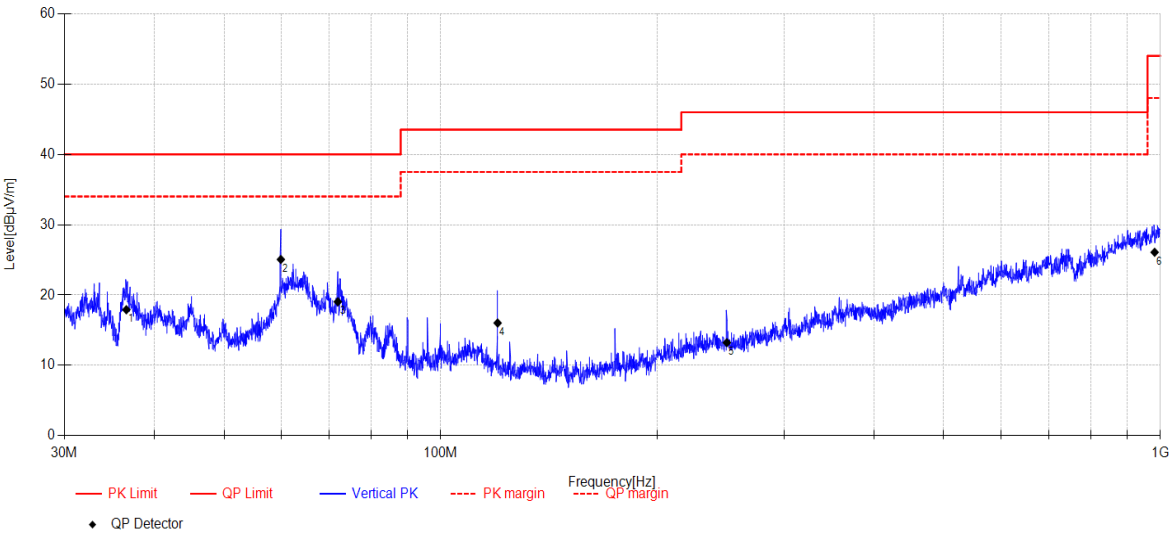
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24031401-1E\FCC BLOWE 1G\20240507-220130_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	36.585	32.48	11.78	4.56	-30.90	17.92	40.00	22.08	QP	Vertical
2	59.977	38.14	12.79	4.76	-30.63	25.06	40.00	14.94	QP	Vertical
3	71.971	35.2	9.60	4.80	-30.55	19.05	40.00	20.95	QP	Vertical
4	119.991	31.7	10.00	5.17	-30.84	16.03	43.50	27.47	QP	Vertical
5	249.844	26.06	11.69	5.94	-30.45	13.24	46.00	32.76	QP	Vertical
6	981.935	23.69	22.02	8.63	-28.26	26.08	54.00	27.92	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

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:

BLE1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

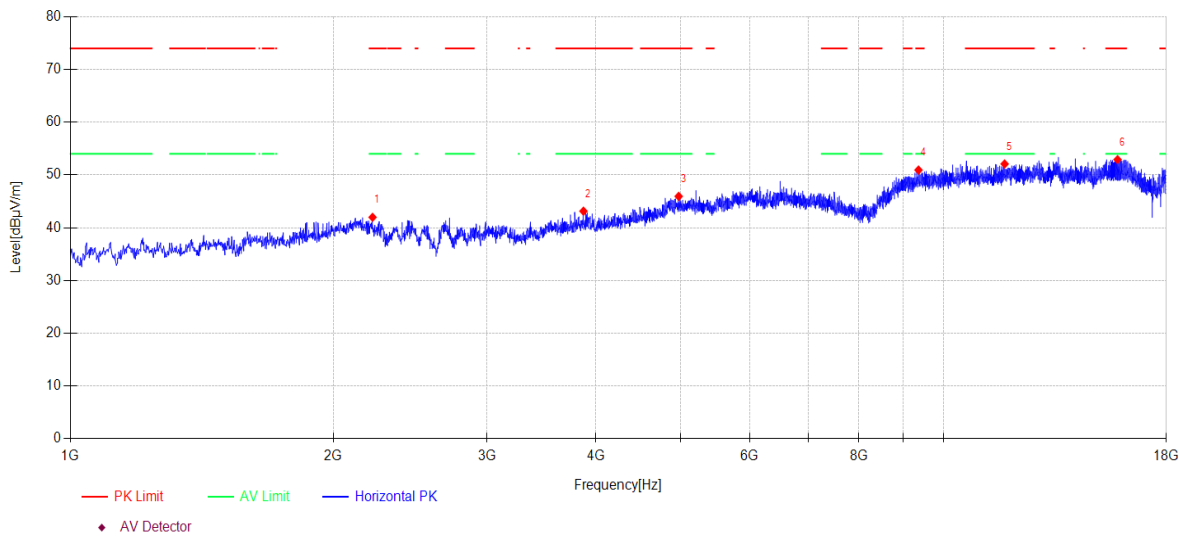
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\7

Memo:

Right 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	2218.900	46.03	27.61	5.97	-37.63	41.98	74.00	32.02	PK	Horizontal
2	3869.600	46.67	31.02	5.82	-40.37	43.14	74.00	30.86	PK	Horizontal
3	4974.600	45.07	33.15	7.82	-40.09	45.95	74.00	28.05	PK	Horizontal
4	9364.000	42.18	38.70	8.81	-38.76	50.93	74.00	23.07	PK	Horizontal
5	11750.800	42.26	38.95	10.32	-39.44	52.09	74.00	21.91	PK	Horizontal
6	15825.700	38.83	38.25	15.09	-39.26	52.91	74.00	21.09	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:

BLE1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

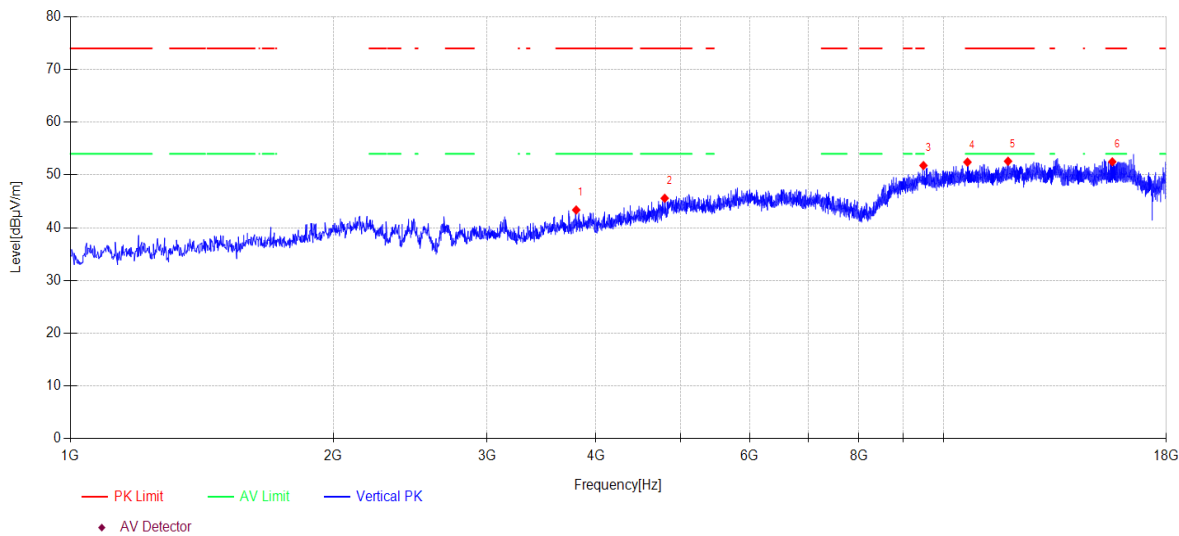
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\8

Memo:

Right 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	3796.500	47.19	30.69	5.81	-40.33	43.36	74.00	30.64	PK	Vertical
2	4794.400	45.81	32.48	7.45	-40.16	45.58	74.00	28.42	PK	Vertical
3	9486.400	43.02	38.70	8.83	-38.76	51.79	74.00	22.21	PK	Vertical
4	10654.300	42.68	39.31	9.40	-38.96	52.43	74.00	21.57	PK	Vertical
5	11857.900	42.78	38.90	10.41	-39.49	52.60	74.00	21.40	PK	Vertical
6	15609.800	38.92	38.59	14.11	-39.13	52.49	74.00	21.51	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

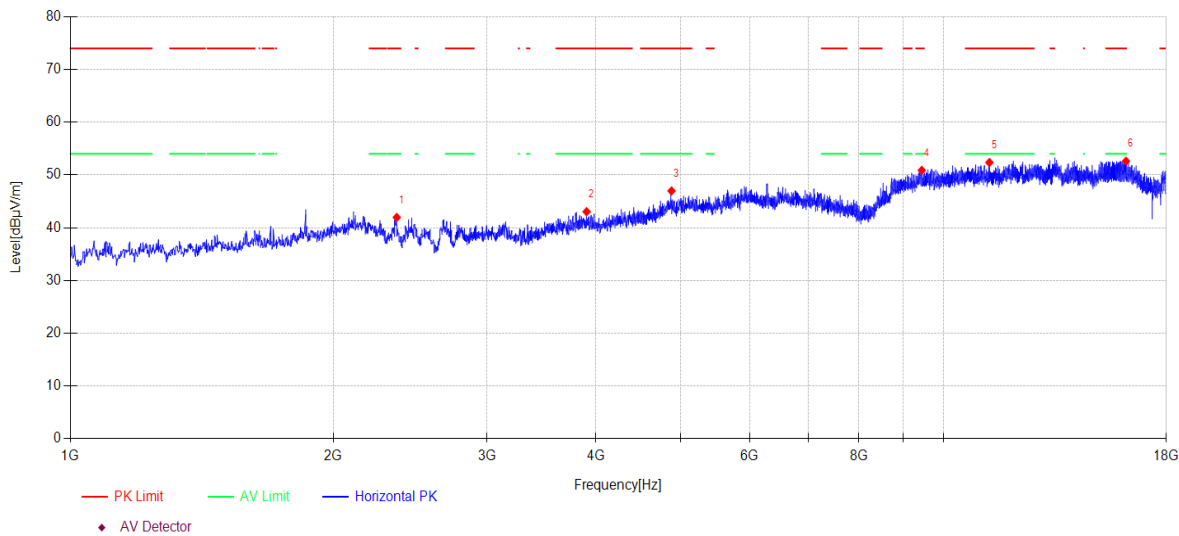
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\9

Memo:

Right 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	2365.100	46.93	27.16	5.91	-38.04	41.96	74.00	32.04	PK	Horizontal
2	3901.900	46.40	31.20	5.83	-40.39	43.04	74.00	30.96	PK	Horizontal
3	4881.100	46.17	33.30	7.63	-40.12	46.98	74.00	27.02	PK	Horizontal
4	9443.900	42.12	38.70	8.82	-38.76	50.88	74.00	23.12	PK	Horizontal
5	11288.400	42.49	39.20	9.91	-39.23	52.37	74.00	21.63	PK	Horizontal
6	16184.400	39.16	37.82	15.15	-39.51	52.62	74.00	21.38	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:

BLE1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

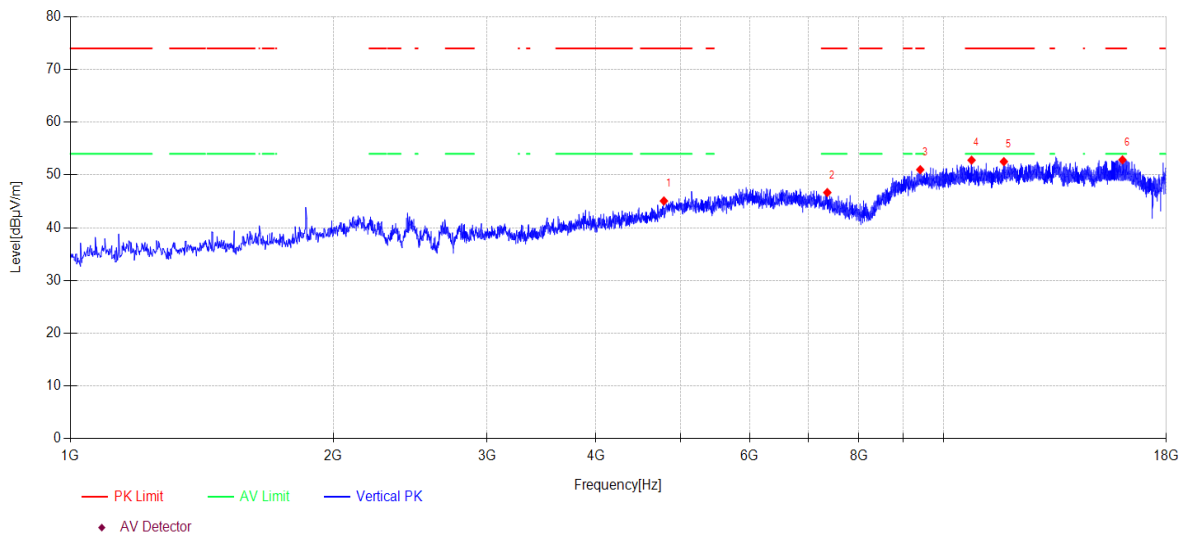
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\10

Memo:

Right 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	4784.200	45.36	32.44	7.43	-40.16	45.07	74.00	28.93	PK	Vertical
2	7361.400	43.85	36.78	7.64	-41.60	46.67	74.00	27.33	PK	Vertical
3	9406.500	42.24	38.70	8.82	-38.76	51.00	74.00	23.00	PK	Vertical
4	10769.900	42.91	39.40	9.49	-39.00	52.80	74.00	21.20	PK	Vertical
5	11727.000	42.69	38.97	10.30	-39.43	52.53	74.00	21.47	PK	Vertical
6	16033.100	38.53	37.97	15.75	-39.39	52.86	74.00	21.14	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

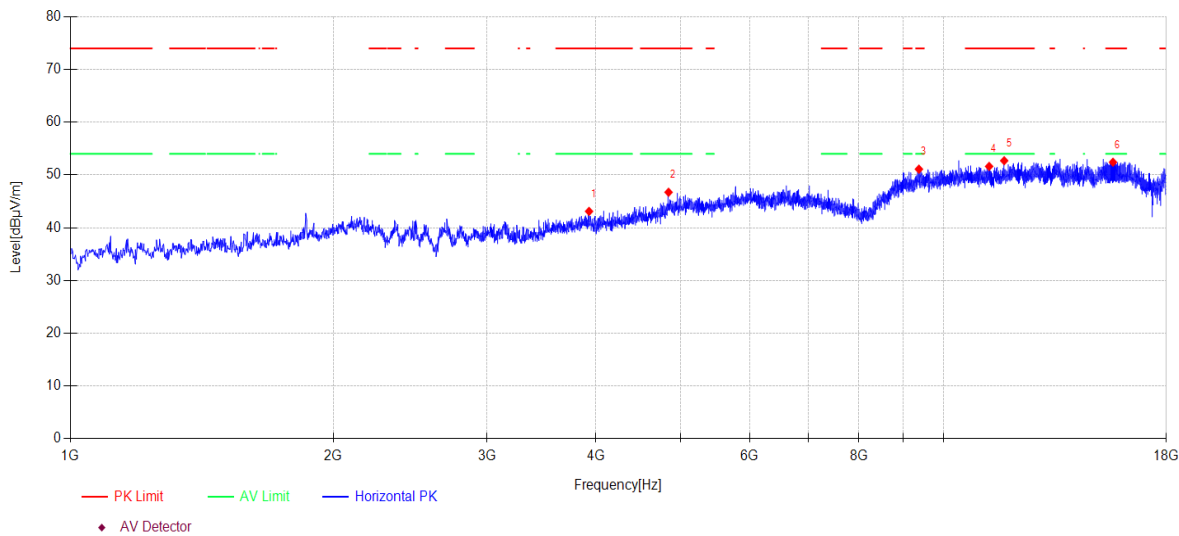
File Path:

d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\11

Memo:

Right 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	3927.400	46.53	31.15	5.83	-40.41	43.10	74.00	30.90	PK	Horizontal
2	4843.700	45.67	33.64	7.55	-40.14	46.72	74.00	27.28	PK	Horizontal
3	9372.500	42.35	38.70	8.81	-38.76	51.10	74.00	22.90	PK	Horizontal
4	11279.900	41.74	39.20	9.90	-39.22	51.62	74.00	22.38	PK	Horizontal
5	11737.200	42.87	38.96	10.31	-39.44	52.70	74.00	21.30	PK	Horizontal
6	15637.000	38.76	38.56	14.24	-39.14	52.42	74.00	21.58	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:

BLE1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

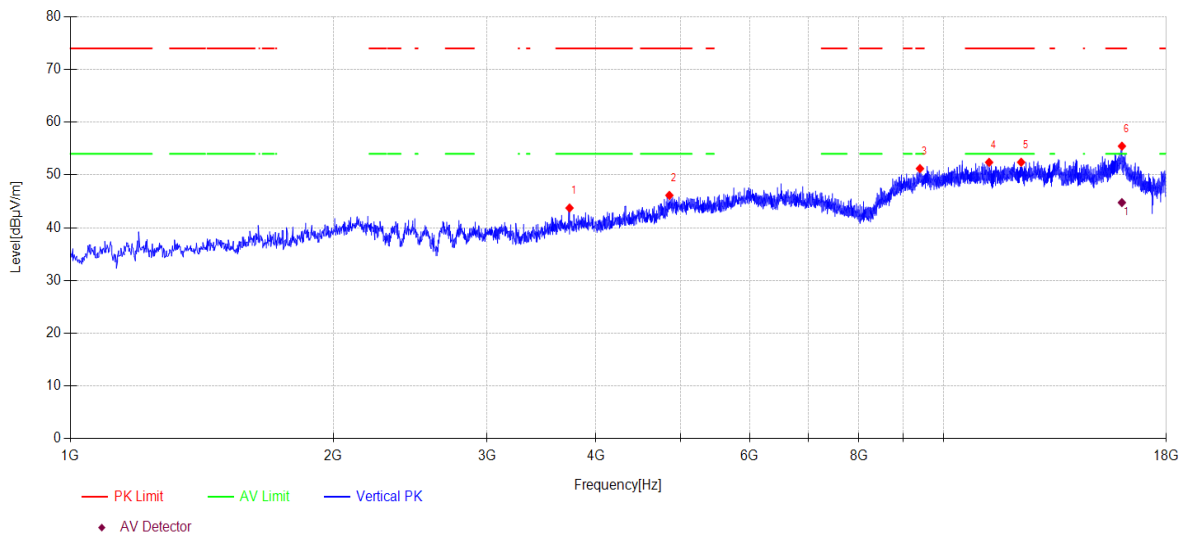
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d:\ts\2024 report data\Q24031401-1E\FCC ABOVE 1G\12

Memo:

Right 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	3730.200	47.78	30.46	5.79	-40.29	43.74	74.00	30.26	PK	Vertical
2	4853.900	44.95	33.74	7.57	-40.13	46.13	74.00	27.87	PK	Vertical
3	9399.700	42.46	38.70	8.81	-38.76	51.21	74.00	22.79	PK	Vertical
4	11279.900	42.51	39.20	9.90	-39.22	52.39	74.00	21.61	PK	Vertical
5	12272.700	42.24	39.30	10.54	-39.67	52.41	74.00	21.59	PK	Vertical
6	16011.000	41.00	37.99	15.84	-39.37	55.46	74.00	18.54	PK	Vertical

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	16009.220	30.31	37.99	15.84	-39.37	44.77	54.0	9.23	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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

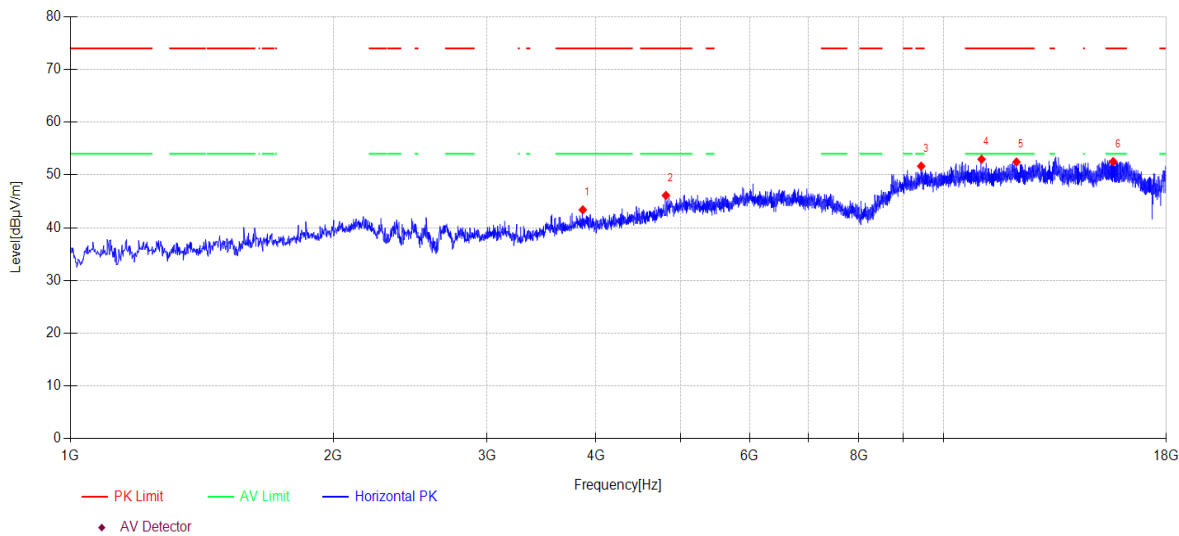
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Memo:

Right 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	3862.800	46.96	30.98	5.82	-40.37	43.39	74.00	30.61	PK	Horizontal
2	4809.700	46.03	32.75	7.49	-40.15	46.12	74.00	27.88	PK	Horizontal
3	9428.600	42.91	38.70	8.82	-38.76	51.67	74.00	22.33	PK	Horizontal
4	11057.200	43.10	39.30	9.70	-39.12	52.98	74.00	21.02	PK	Horizontal
5	12124.800	42.23	39.30	10.54	-39.61	52.46	74.00	21.54	PK	Horizontal
6	15645.500	38.87	38.55	14.27	-39.15	52.54	74.00	21.46	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:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

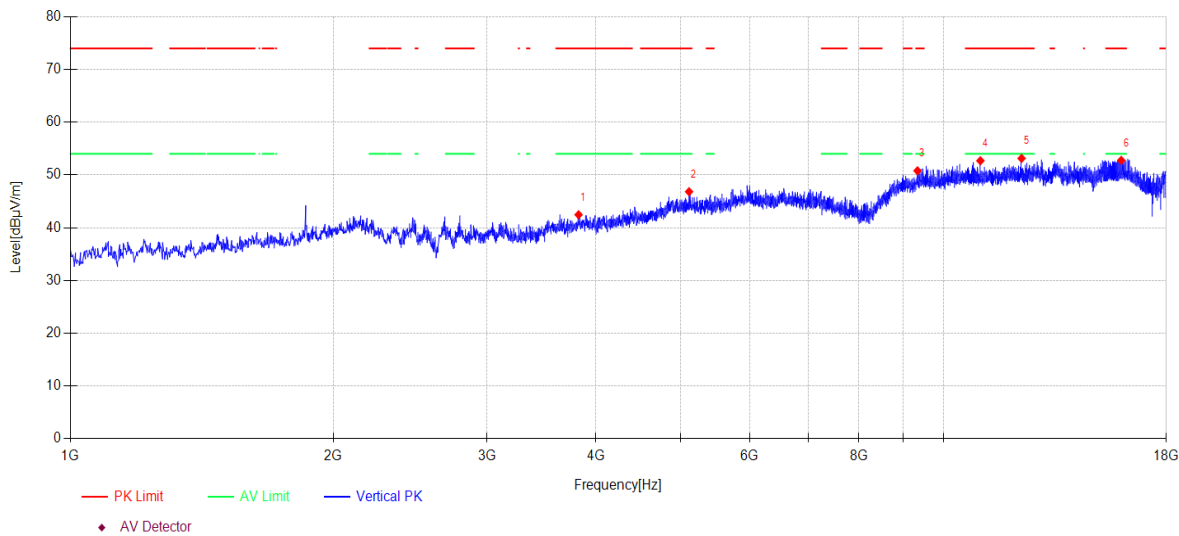
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Memo:

Right 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	3820.300	46.21	30.78	5.81	-40.34	42.46	74.00	31.54	PK	Vertical
2	5112.300	45.47	33.40	8.03	-40.07	46.83	74.00	27.17	PK	Vertical
3	9338.500	42.08	38.68	8.80	-38.77	50.79	74.00	23.21	PK	Vertical
4	11023.200	42.82	39.30	9.67	-39.10	52.69	74.00	21.31	PK	Vertical
5	12288.000	42.97	39.30	10.54	-39.67	53.14	74.00	20.86	PK	Vertical
6	15982.100	38.30	38.02	15.80	-39.35	52.77	74.00	21.23	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

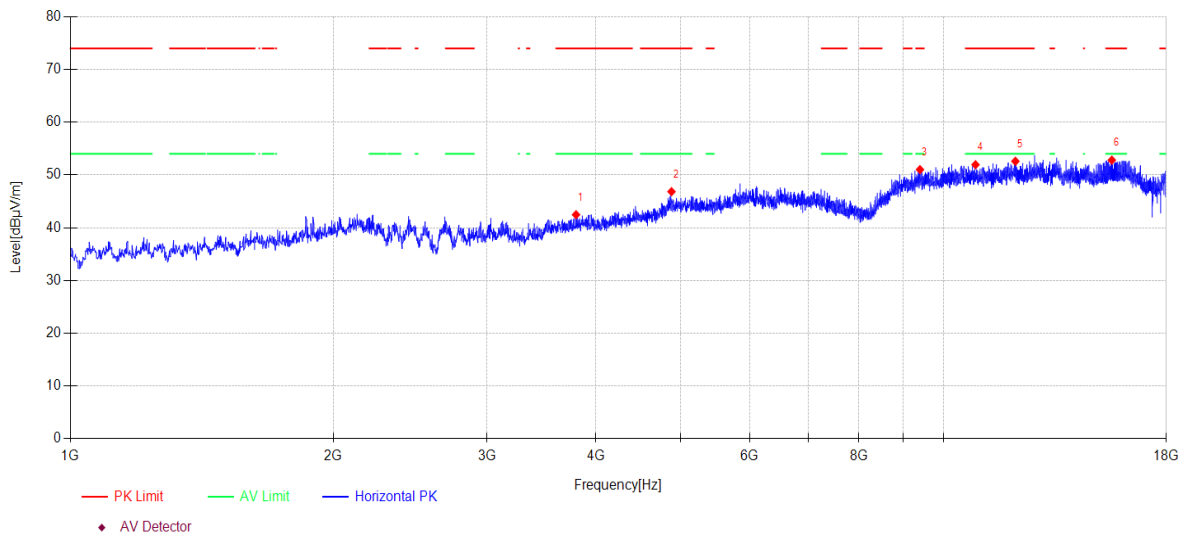
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Memo:

Right 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	3794.800	46.30	30.68	5.80	-40.32	42.46	74.00	31.54	PK	Horizontal
2	4881.100	46.03	33.30	7.63	-40.12	46.84	74.00	27.16	PK	Horizontal
3	9399.700	42.27	38.70	8.81	-38.76	51.02	74.00	22.98	PK	Horizontal
4	10882.100	42.11	39.32	9.57	-39.05	51.95	74.00	22.05	PK	Horizontal
5	12087.400	42.36	39.29	10.54	-39.59	52.60	74.00	21.40	PK	Horizontal
6	15589.400	39.28	38.62	14.02	-39.11	52.81	74.00	21.19	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:

BLE2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

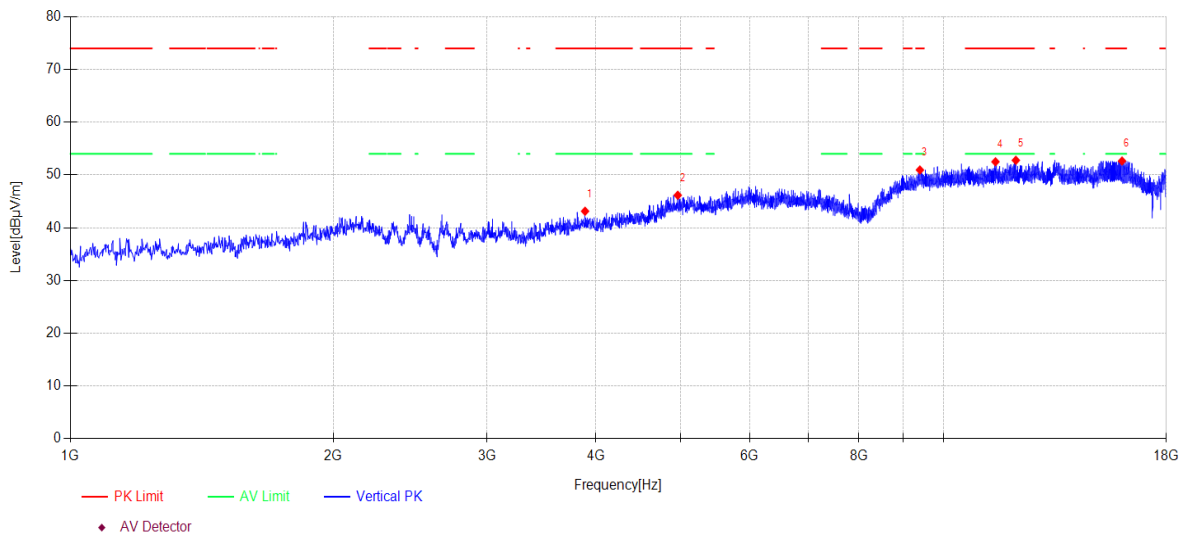
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Memo:

Right 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	3886.600	46.56	31.12	5.83	-40.38	43.13	74.00	30.87	PK	Vertical
2	4962.700	45.33	33.13	7.79	-40.09	46.16	74.00	27.84	PK	Vertical
3	9398.000	42.20	38.70	8.81	-38.76	50.95	74.00	23.05	PK	Vertical
4	11470.300	42.51	39.23	10.07	-39.31	52.50	74.00	21.50	PK	Vertical
5	12102.700	42.54	39.30	10.54	-39.60	52.78	74.00	21.22	PK	Vertical
6	16014.400	38.21	37.99	15.82	-39.37	52.65	74.00	21.35	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-05-06

Tested By:

Genliu

EUT:

JLAB True Wireless Earbuds

Model Number:

JBuds Sport ANC 4

Test Mode:

BLE2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

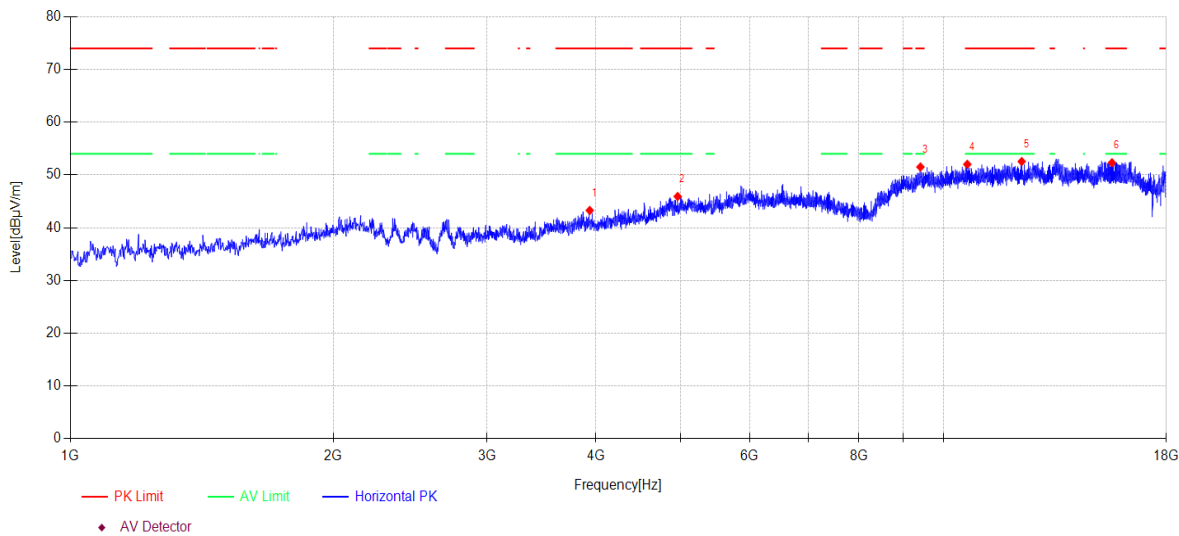
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Memo:

Right 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	3934.200	46.72	31.13	5.84	-40.41	43.28	74.00	30.72	PK	Horizontal
2	4961.000	45.11	33.12	7.79	-40.09	45.93	74.00	28.07	PK	Horizontal
3	9409.900	42.75	38.70	8.82	-38.76	51.51	74.00	22.49	PK	Horizontal
4	10649.200	42.28	39.30	9.40	-38.96	52.02	74.00	21.98	PK	Horizontal
5	12291.400	42.38	39.30	10.54	-39.67	52.55	74.00	21.45	PK	Horizontal
6	15597.900	38.78	38.60	14.06	-39.12	52.32	74.00	21.68	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:

BLE2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

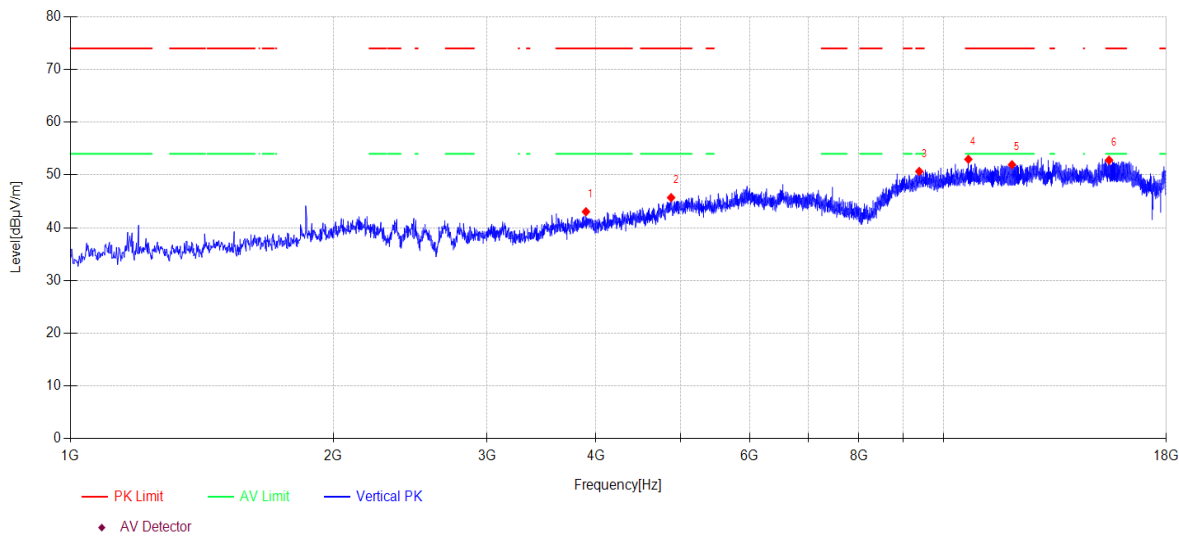
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Memo:

Right 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	3895.100	46.42	31.17	5.83	-40.39	43.03	74.00	30.97	PK	Vertical
2	4876.000	44.84	33.38	7.62	-40.13	45.71	74.00	28.29	PK	Vertical
3	9382.700	41.92	38.70	8.81	-38.76	50.67	74.00	23.33	PK	Vertical
4	10679.800	43.16	39.36	9.42	-38.97	52.97	74.00	21.03	PK	Vertical
5	11980.300	41.84	39.14	10.52	-39.55	51.95	74.00	22.05	PK	Vertical
6	15477.200	39.50	38.85	13.51	-39.05	52.81	74.00	21.19	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:

BLE1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

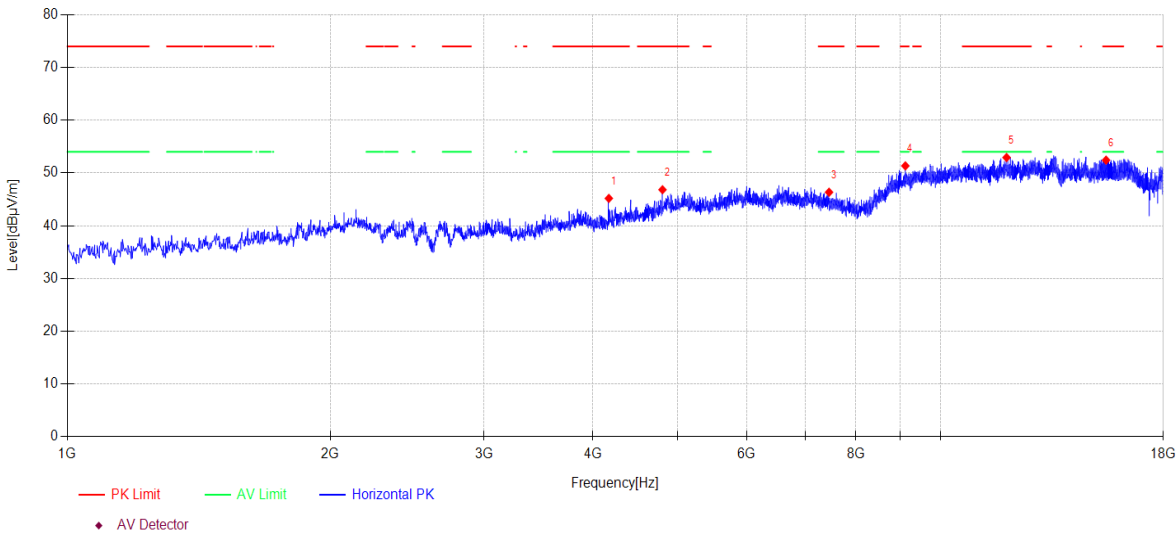
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Memo:

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	4170.500	48.18	31.20	6.19	-40.39	45.18	74.00	28.82	PK	Horizontal
2	4804.600	46.87	32.62	7.48	-40.15	46.82	74.00	27.18	PK	Horizontal
3	7454.900	43.96	36.59	7.64	-41.84	46.35	74.00	27.65	PK	Horizontal
4	9115.800	42.87	38.50	8.75	-38.78	51.34	74.00	22.66	PK	Horizontal
5	11903.800	43.08	38.91	10.45	-39.51	52.93	74.00	21.07	PK	Horizontal
6	15475.500	39.13	38.85	13.50	-39.05	52.43	74.00	21.57	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:

BLE1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.5°C;Humi:56.3%

Test Site:

DDT 3# Chamber

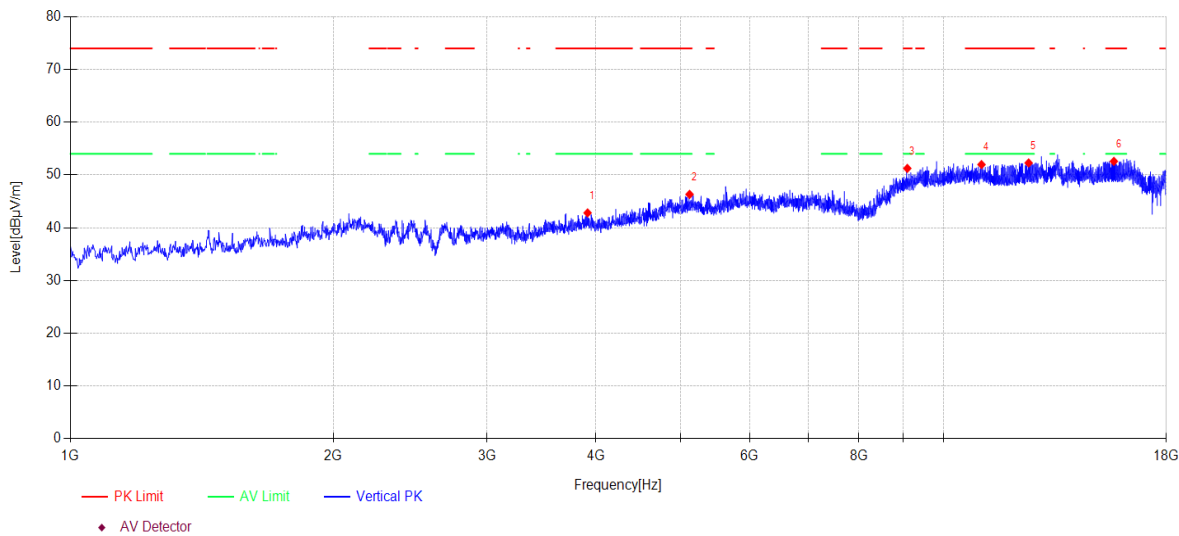
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Memo:

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	3912.100	46.20	31.18	5.83	-40.40	42.81	74.00	31.19	PK	Vertical
2	5119.100	44.94	33.40	8.04	-40.06	46.32	74.00	27.68	PK	Vertical
3	9090.300	42.79	38.48	8.75	-38.78	51.24	74.00	22.76	PK	Vertical
4	11055.500	42.09	39.30	9.70	-39.12	51.97	74.00	22.03	PK	Vertical
5	12519.200	42.10	39.40	10.54	-39.76	52.28	74.00	21.72	PK	Vertical
6	15674.400	38.80	38.53	14.41	-39.16	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.