

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 to ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, the antenna was located 3 m from the 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 30 MHz, the tri-log Broadband Antenna or Horn Antenna was located 3 m from the 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 degrees, 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 through 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 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 clause 4.1.5.2.2 procedure for average measure.
- (8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.
- (9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.
- (10) For 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is reported)
- (11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in worst mode.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-28

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

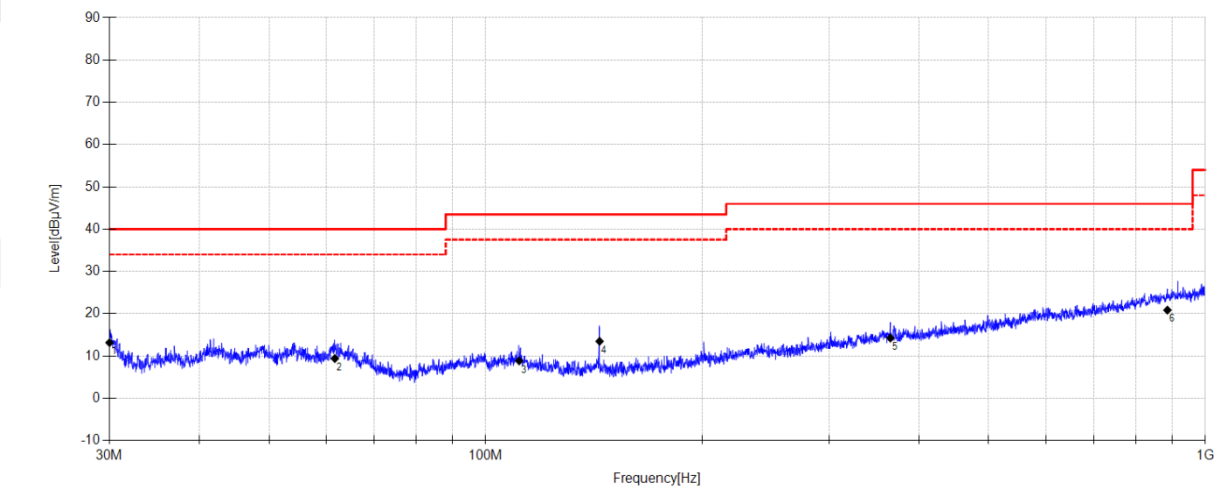
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC BELOW 1G\7

Memo:

Left Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.021	31.19	10.50	3.78	13.17	40.00	26.83	QP	Horizontal
2	61.726	25.08	12.55	4.08	9.41	40.00	30.59	QP	Horizontal
3	111.318	24.86	11.93	4.37	8.85	43.50	34.65	QP	Horizontal
4	143.986	32.65	8.61	4.56	13.48	43.50	30.02	QP	Horizontal
5	365.100	25.96	15.21	5.56	14.26	46.00	31.74	QP	Horizontal
6	885.766	24.24	21.52	7.09	20.86	46.00	25.14	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:

2025-11-28

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

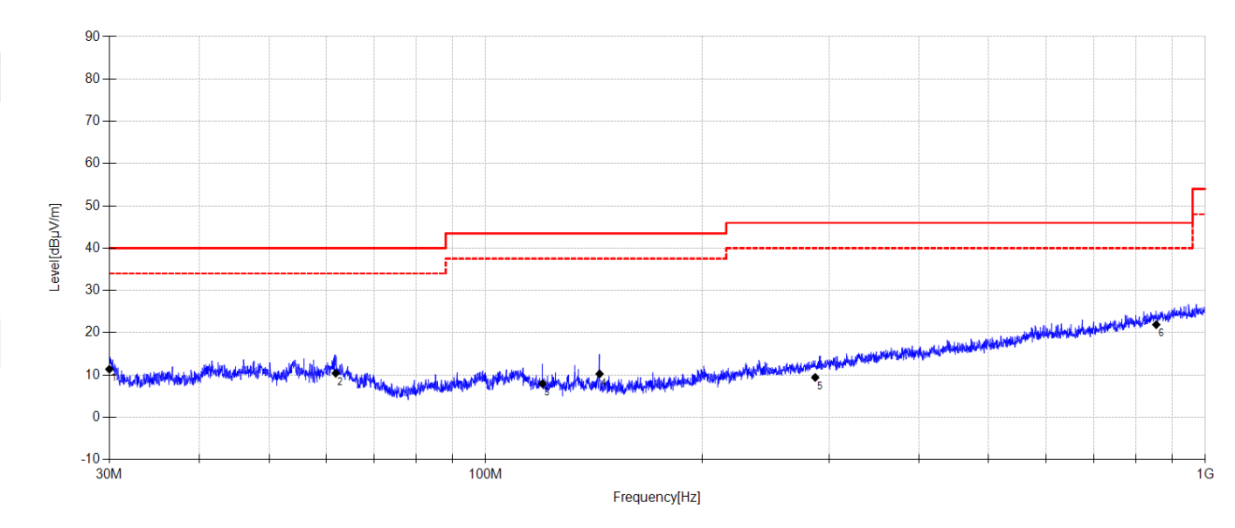
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC BELOW 1G\8

Memo:

Left Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.000	29.39	10.50	3.78	11.37	40.00	28.63	QP	Vertical
2	61.899	26.07	12.58	4.08	10.43	40.00	29.57	QP	Vertical
3	119.991	26.16	9.70	4.42	7.96	43.50	35.54	QP	Vertical
4	143.986	29.43	8.61	4.56	10.26	43.50	33.24	QP	Vertical
5	287.054	23.51	13.10	5.23	9.44	46.00	36.56	QP	Vertical
6	854.651	25.44	21.61	7.03	21.91	46.00	24.09	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:

2025-11-28

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

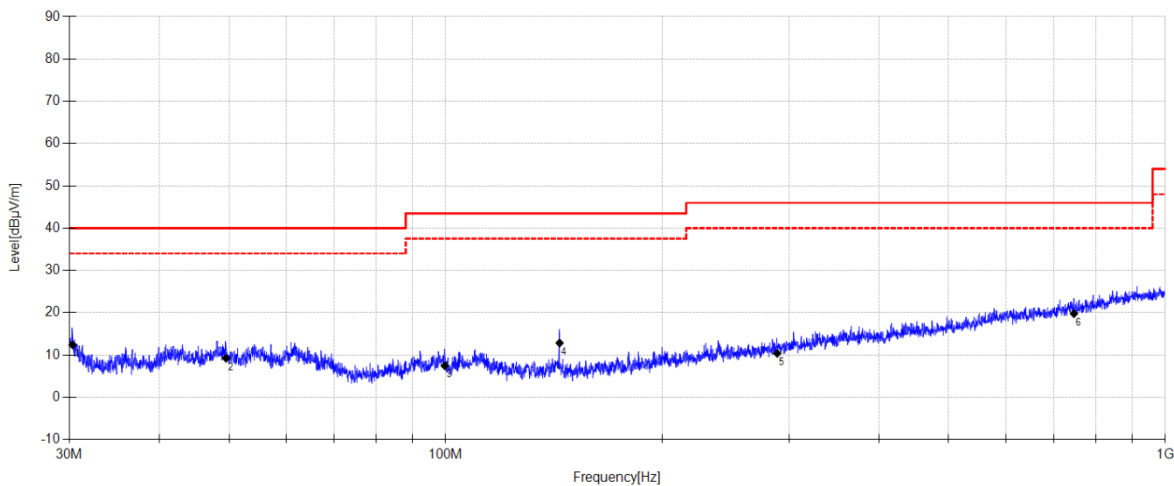
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC BELOW 1G\9

Memo:

Left Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.317	30.49	10.44	3.78	12.41	40.00	27.59	QP	Horizontal
2	49.528	24.07	13.49	3.98	9.24	40.00	30.76	QP	Horizontal
3	99.714	23.64	11.83	4.30	7.47	43.50	36.03	QP	Horizontal
4	143.986	32.02	8.61	4.56	12.85	43.50	30.65	QP	Horizontal
5	288.871	24.45	13.10	5.24	10.39	46.00	35.61	QP	Horizontal
6	746.479	25.55	20.28	6.77	19.78	46.00	26.22	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:

2025-11-28

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

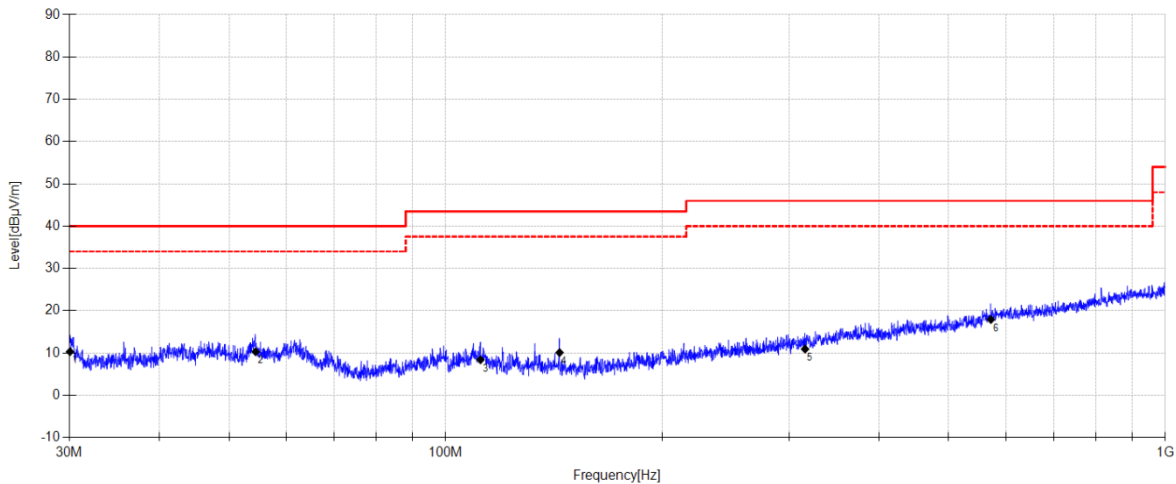
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC BELOW 1G\10

Memo:

Left Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.063	28.35	10.49	3.78	10.32	40.00	29.68	QP	Vertical
2	54.445	25.49	13.09	4.02	10.30	40.00	29.70	QP	Vertical
3	111.787	24.37	11.98	4.37	8.41	43.50	35.09	QP	Vertical
4	143.986	29.28	8.61	4.56	10.11	43.50	33.39	QP	Vertical
5	315.775	24.14	13.86	5.35	10.93	46.00	35.07	QP	Vertical
6	572.277	25.76	18.65	6.30	17.93	46.00	28.07	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

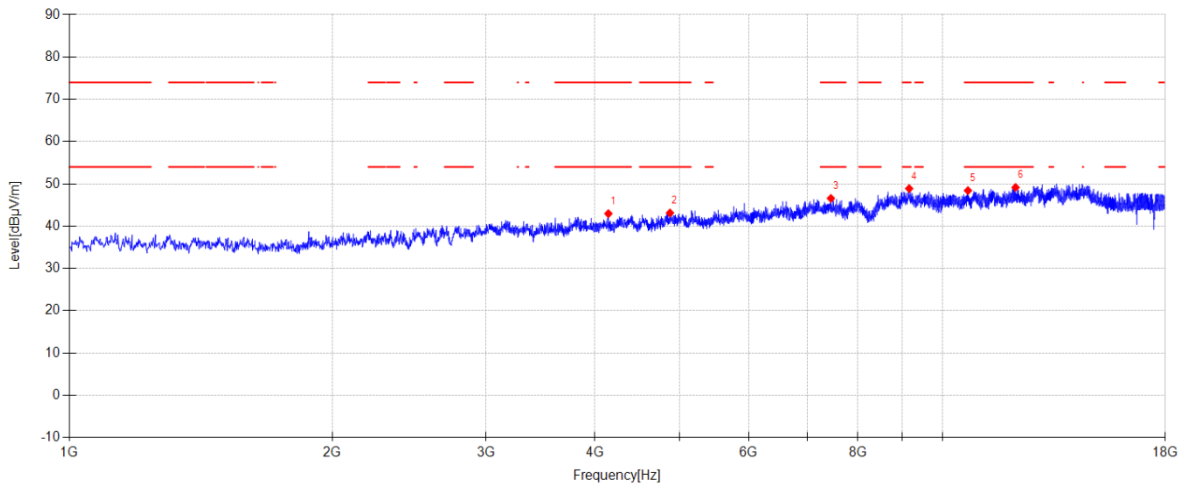
DDT 3# Chamber

File Path:

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Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4143.300	46.55	31.45	4.67	-39.71	42.96	74.00	31.04	PK	Horizontal
2	4874.300	44.75	33.00	5.16	-39.79	43.12	74.00	30.88	PK	Horizontal
3	7451.500	44.03	36.61	5.78	-39.85	46.57	74.00	27.43	PK	Horizontal
4	9160.000	42.01	38.88	6.78	-38.78	48.89	74.00	25.11	PK	Horizontal
5	10695.100	41.37	39.49	7.18	-39.63	48.41	74.00	25.59	PK	Horizontal
6	12126.500	41.43	39.42	7.81	-39.50	49.16	74.00	24.84	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

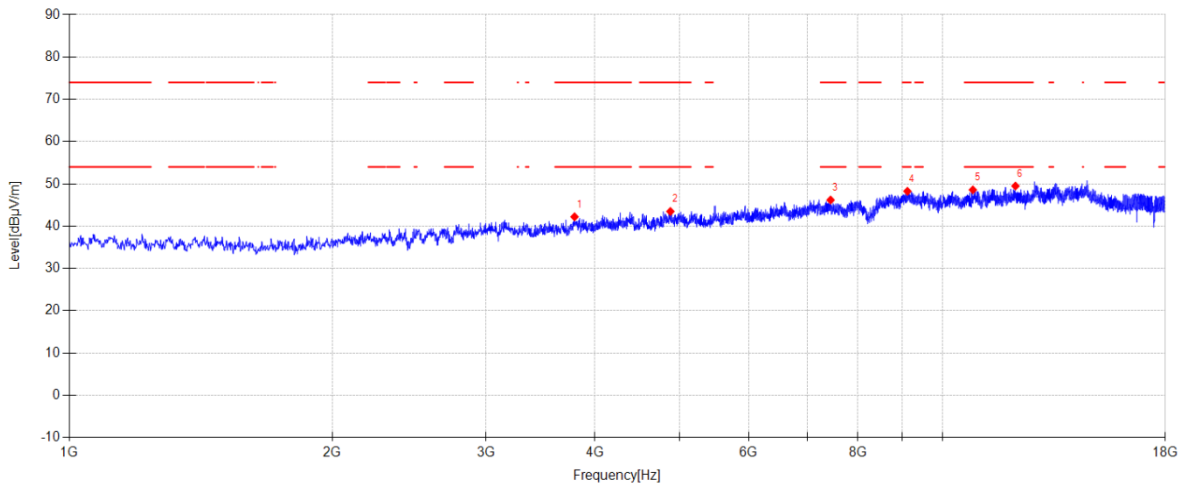
DDT 3# Chamber

File Path:

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Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3789.700	46.62	30.67	4.54	-39.62	42.21	74.00	31.79	PK	Vertical
2	4879.400	45.08	33.02	5.17	-39.79	43.48	74.00	30.52	PK	Vertical
3	7444.700	43.65	36.61	5.78	-39.86	46.18	74.00	27.82	PK	Vertical
4	9117.500	41.85	38.35	6.78	-38.73	48.25	74.00	25.75	PK	Vertical
5	10834.500	41.71	39.21	7.29	-39.62	48.59	74.00	25.41	PK	Vertical
6	12123.100	41.75	39.43	7.81	-39.50	49.49	74.00	24.51	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

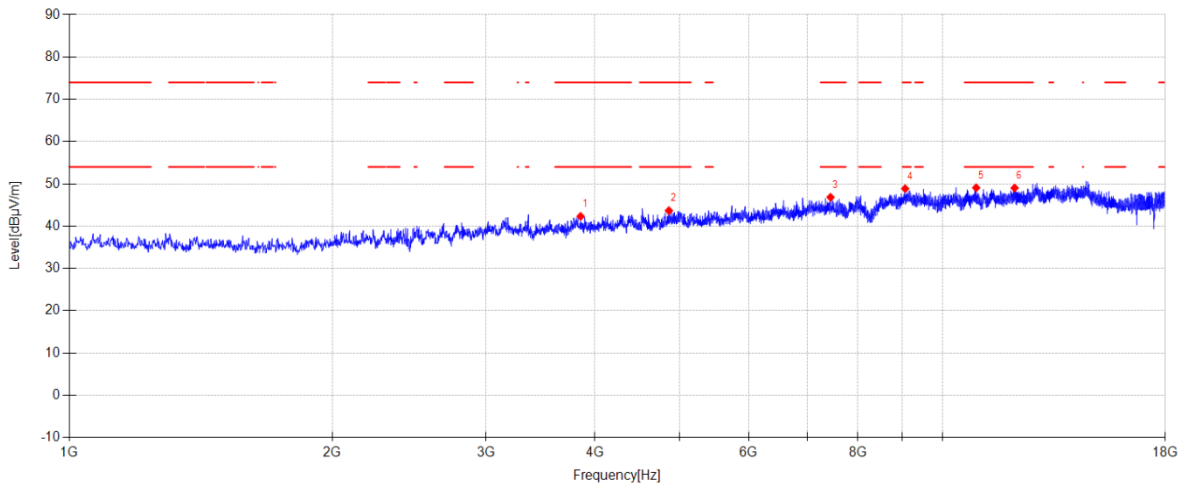
DDT 3# Chamber

File Path:

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Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3850.900	47.09	30.31	4.55	-39.64	42.31	74.00	31.69	PK	Horizontal
2	4860.700	45.36	32.94	5.16	-39.79	43.67	74.00	30.33	PK	Horizontal
3	7444.700	44.30	36.61	5.78	-39.86	46.83	74.00	27.17	PK	Horizontal
4	9063.100	42.08	38.66	6.79	-38.67	48.86	74.00	25.14	PK	Horizontal
5	10931.400	41.70	39.63	7.36	-39.61	49.08	74.00	24.92	PK	Horizontal
6	12095.900	41.26	39.48	7.81	-39.52	49.03	74.00	24.97	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

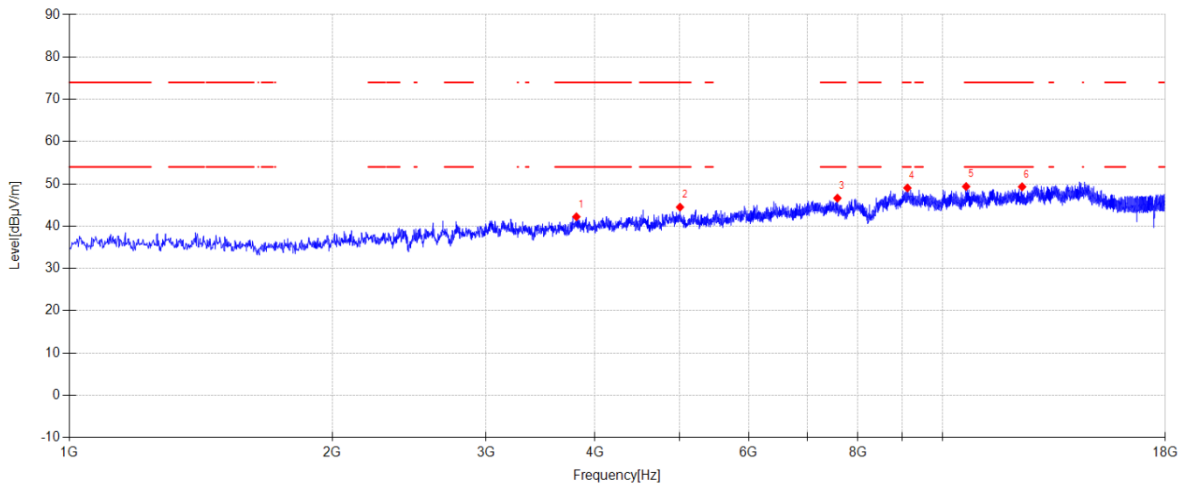
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\24

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3808.400	46.49	30.80	4.55	-39.62	42.22	74.00	31.78	PK	Vertical
2	5005.200	46.03	33.01	5.25	-39.80	44.49	74.00	29.51	PK	Vertical
3	7580.700	44.45	36.20	5.82	-39.84	46.63	74.00	27.37	PK	Vertical
4	9117.500	42.64	38.35	6.78	-38.73	49.04	74.00	24.96	PK	Vertical
5	10644.100	42.53	39.33	7.15	-39.64	49.37	74.00	24.63	PK	Vertical
6	12337.300	41.54	39.29	7.81	-39.33	49.31	74.00	24.69	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

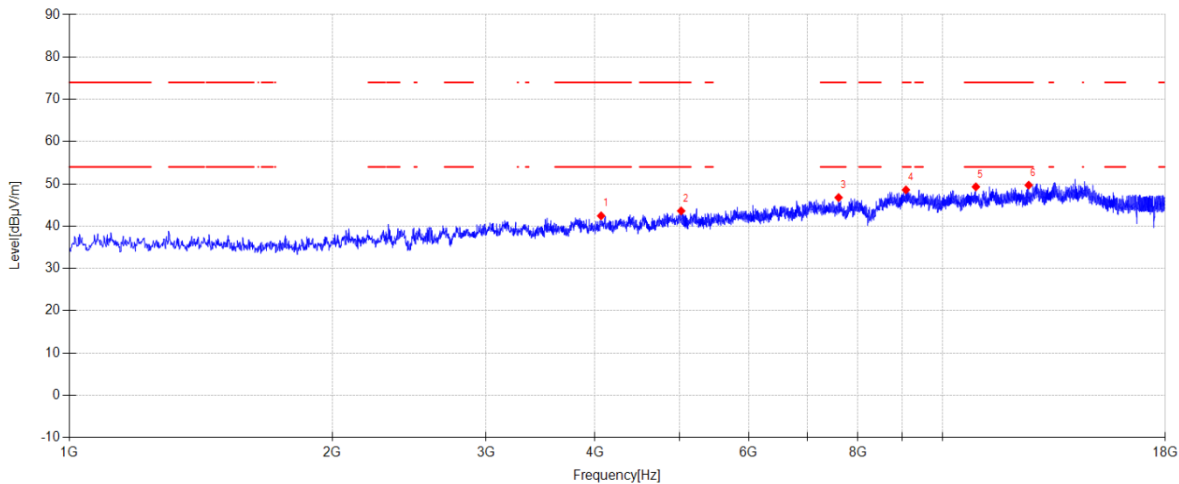
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\25

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4065.100	46.37	31.17	4.61	-39.71	42.44	74.00	31.56	PK	Horizontal
2	5020.500	45.10	33.04	5.26	-39.80	43.60	74.00	30.40	PK	Horizontal
3	7604.500	44.51	36.27	5.83	-39.84	46.77	74.00	27.23	PK	Horizontal
4	9081.800	42.15	38.33	6.79	-38.69	48.58	74.00	25.42	PK	Horizontal
5	10921.200	41.94	39.62	7.35	-39.61	49.30	74.00	24.70	PK	Horizontal
6	12553.200	41.68	39.38	7.80	-39.16	49.70	74.00	24.30	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

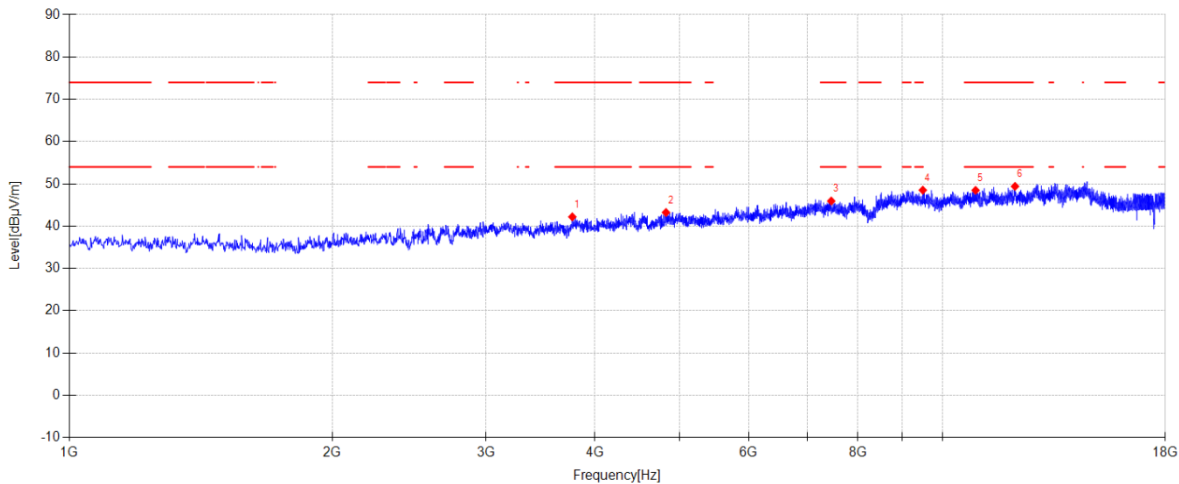
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\26

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3767.600	47.08	30.19	4.54	-39.61	42.20	74.00	31.80	PK	Vertical
2	4823.300	45.42	32.47	5.13	-39.78	43.24	74.00	30.76	PK	Vertical
3	7458.300	43.36	36.65	5.78	-39.85	45.94	74.00	28.06	PK	Vertical
4	9494.900	42.08	38.83	6.74	-39.14	48.51	74.00	25.49	PK	Vertical
5	10912.700	41.13	39.61	7.35	-39.61	48.48	74.00	25.52	PK	Vertical
6	12109.500	41.64	39.47	7.81	-39.51	49.41	74.00	24.59	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

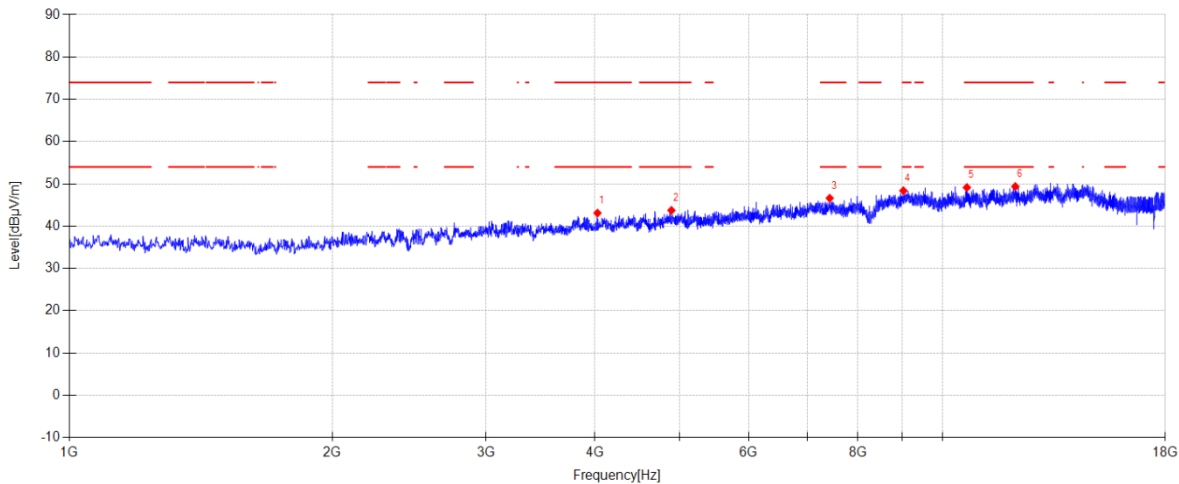
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\27

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4026.000	47.15	31.06	4.59	-39.70	43.10	74.00	30.90	PK	Horizontal
2	4893.000	45.28	33.07	5.18	-39.79	43.74	74.00	30.26	PK	Horizontal
3	7427.700	44.06	36.64	5.77	-39.86	46.61	74.00	27.39	PK	Horizontal
4	9020.600	41.54	38.66	6.80	-38.62	48.38	74.00	25.62	PK	Horizontal
5	10664.500	42.22	39.39	7.16	-39.63	49.14	74.00	24.86	PK	Horizontal
6	12118.000	41.61	39.45	7.81	-39.51	49.36	74.00	24.64	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

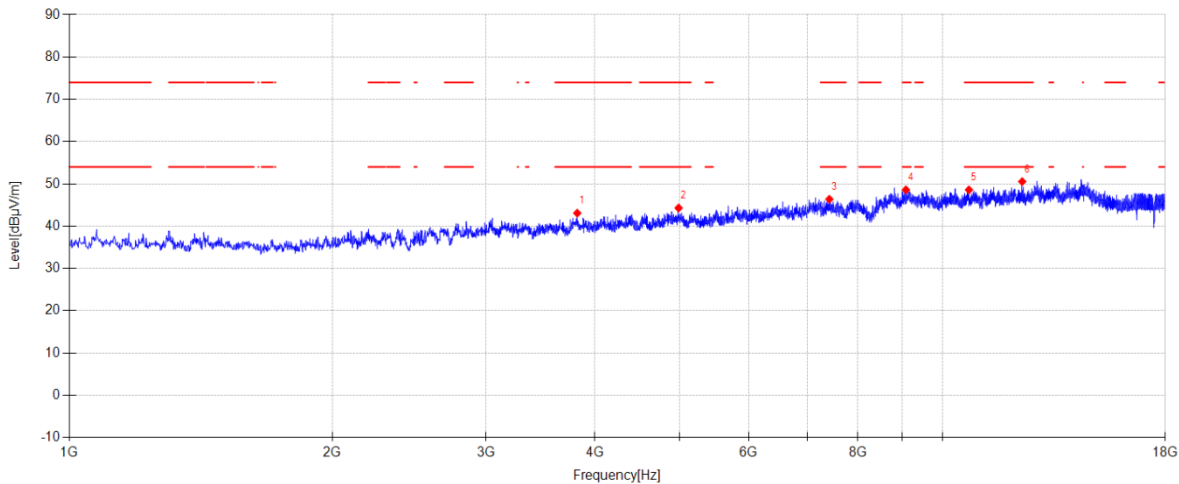
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\28

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3816.900	47.46	30.70	4.55	-39.63	43.08	74.00	30.92	PK	Vertical
2	4986.500	45.82	33.03	5.24	-39.80	44.29	74.00	29.71	PK	Vertical
3	7420.900	43.80	36.66	5.77	-39.86	46.37	74.00	27.63	PK	Vertical
4	9081.800	42.16	38.33	6.79	-38.69	48.59	74.00	25.41	PK	Vertical
5	10724.000	41.62	39.38	7.21	-39.63	48.58	74.00	25.42	PK	Vertical
6	12340.700	42.78	39.28	7.81	-39.33	50.54	74.00	23.46	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

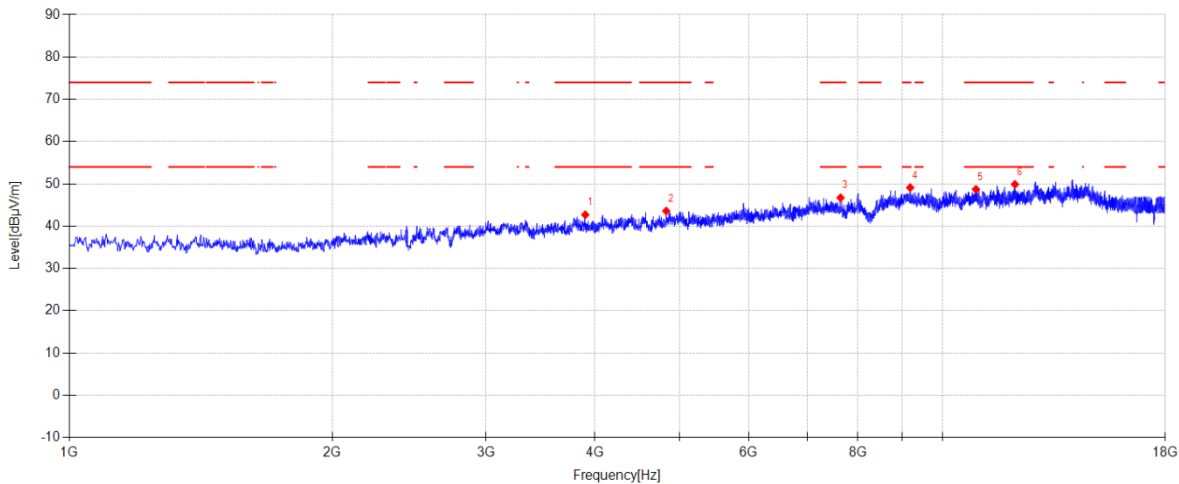
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\29

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3898.500	46.92	30.88	4.56	-39.66	42.70	74.00	31.30	PK	Horizontal
2	4826.700	45.71	32.53	5.13	-39.78	43.59	74.00	30.41	PK	Horizontal
3	7643.600	43.80	36.90	5.85	-39.84	46.71	74.00	27.29	PK	Horizontal
4	9183.800	42.54	38.59	6.78	-38.80	49.11	74.00	24.89	PK	Horizontal
5	10922.900	41.35	39.62	7.35	-39.61	48.71	74.00	25.29	PK	Horizontal
6	12107.800	42.11	39.48	7.81	-39.51	49.89	74.00	24.11	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

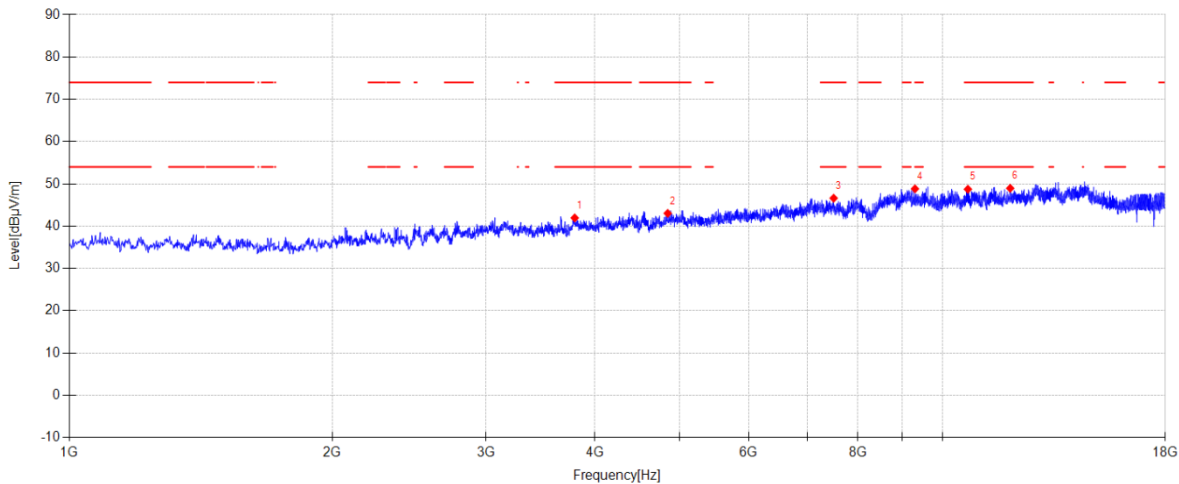
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\30

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3791.400	46.32	30.71	4.54	-39.62	41.95	74.00	32.05	PK	Vertical
2	4845.400	44.84	32.83	5.14	-39.78	43.03	74.00	30.97	PK	Vertical
3	7505.900	43.84	36.82	5.80	-39.85	46.61	74.00	27.39	PK	Vertical
4	9301.100	42.69	38.31	6.76	-38.93	48.83	74.00	25.17	PK	Vertical
5	10693.400	41.71	39.48	7.18	-39.63	48.74	74.00	25.26	PK	Vertical
6	11956.500	41.99	38.78	7.79	-39.60	48.96	74.00	25.04	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

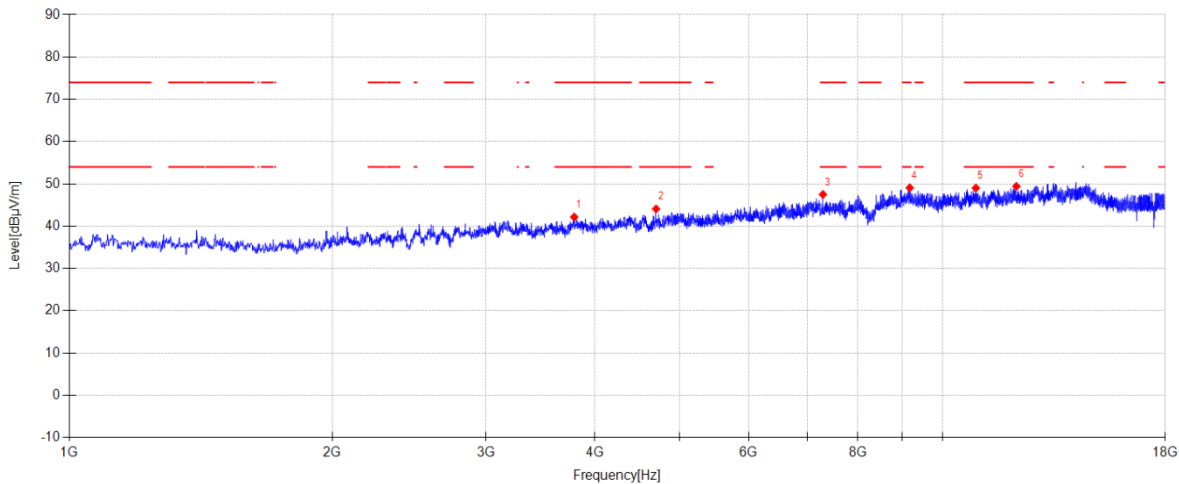
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\31

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3786.300	46.64	30.60	4.54	-39.61	42.17	74.00	31.83	PK	Horizontal
2	4699.200	47.48	31.31	5.05	-39.77	44.07	74.00	29.93	PK	Horizontal
3	7296.800	44.65	37.00	5.72	-39.87	47.50	74.00	26.50	PK	Horizontal
4	9175.300	42.37	38.70	6.78	-38.79	49.06	74.00	24.94	PK	Horizontal
5	10919.500	41.65	39.62	7.35	-39.61	49.01	74.00	24.99	PK	Horizontal
6	12153.700	41.74	39.34	7.81	-39.48	49.41	74.00	24.59	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

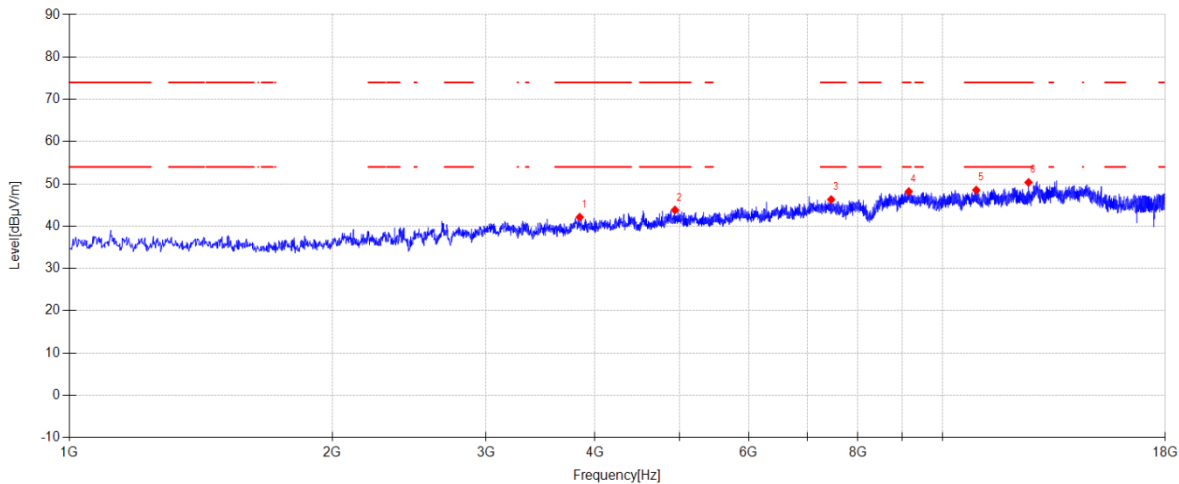
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\32

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3842.400	46.83	30.39	4.55	-39.64	42.13	74.00	31.87	PK	Vertical
2	4938.900	45.30	33.10	5.21	-39.79	43.82	74.00	30.18	PK	Vertical
3	7456.600	43.72	36.64	5.78	-39.85	46.29	74.00	27.71	PK	Vertical
4	9151.500	41.19	38.98	6.78	-38.77	48.18	74.00	25.82	PK	Vertical
5	10933.100	41.15	39.63	7.36	-39.61	48.53	74.00	25.47	PK	Vertical
6	12548.100	42.30	39.41	7.80	-39.16	50.35	74.00	23.65	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

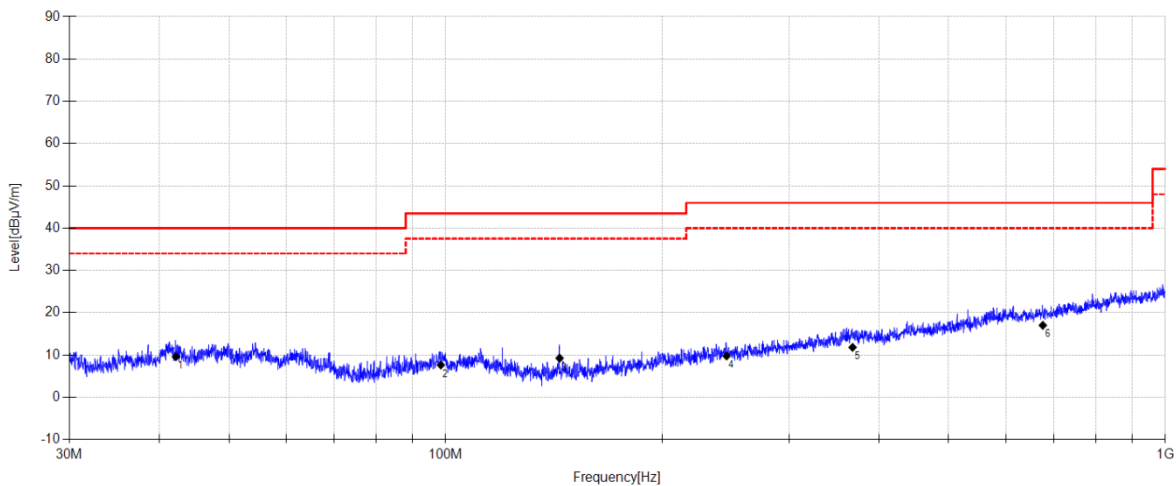
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC BELOW 1G\5

Memo:

Right Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	42.181	24.75	13.21	3.93	9.59	40.00	30.41	QP	Horizontal
2	98.463	24.29	11.35	4.29	7.63	43.50	35.87	QP	Horizontal
3	143.986	28.43	8.61	4.56	9.26	43.50	34.24	QP	Horizontal
4	245.675	25.11	11.99	5.06	9.76	46.00	36.24	QP	Horizontal
5	367.669	23.3	15.41	5.57	11.81	46.00	34.19	QP	Horizontal
6	675.735	23.82	19.67	6.57	17.02	46.00	28.98	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

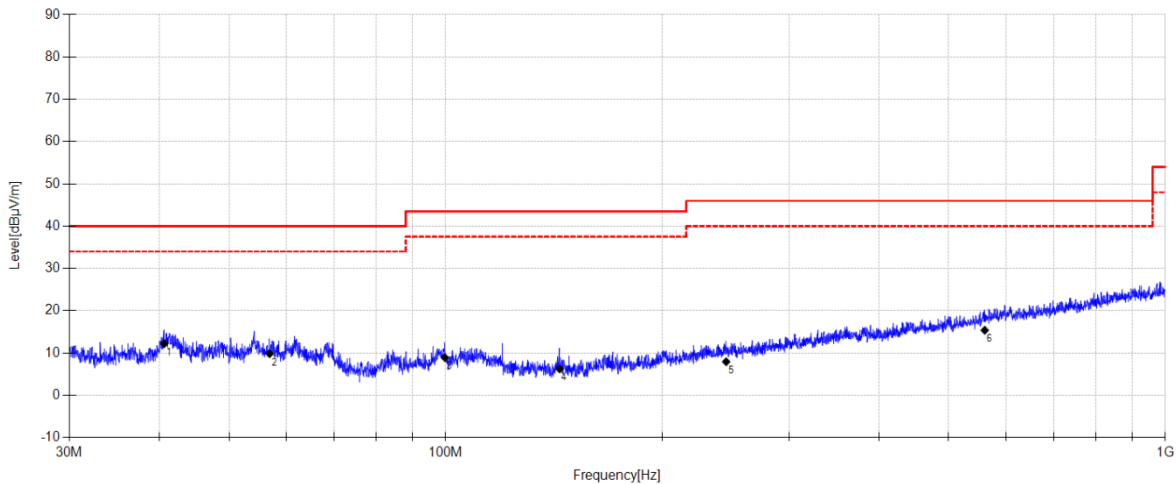
DDT 3# Chamber

File Path:

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Memo:

Right Side Sample Number:S25101501-011



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	40.642	28.11	12.49	3.92	12.22	40.00	27.78	QP	Vertical
2	56.944	25.39	12.72	4.04	9.85	40.00	30.15	QP	Vertical
3	99.714	25.12	11.83	4.30	8.95	43.50	34.55	QP	Vertical
4	143.986	25.43	8.61	4.56	6.26	43.50	37.24	QP	Vertical
5	245.331	23.29	11.99	5.06	7.94	46.00	38.06	QP	Vertical
6	561.151	23.61	18.26	6.26	15.38	46.00	30.62	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

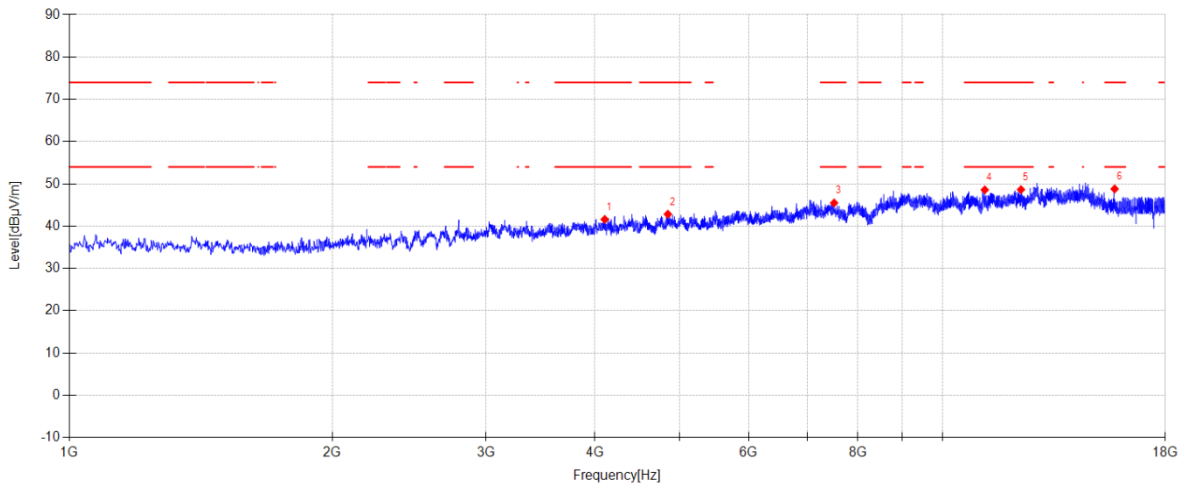
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\1

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4104.200	45.54	31.13	4.64	-39.71	41.60	74.00	32.40	PK	Vertical
2	4847.100	44.61	32.85	5.15	-39.78	42.83	74.00	31.17	PK	Vertical
3	7514.400	42.84	36.70	5.80	-39.85	45.49	74.00	28.51	PK	Vertical
4	11181.300	41.89	38.82	7.48	-39.60	48.59	74.00	25.41	PK	Vertical
5	12301.600	40.80	39.40	7.81	-39.36	48.65	74.00	25.35	PK	Vertical
6	15747.500	41.25	38.36	8.51	-39.32	48.80	74.00	25.20	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

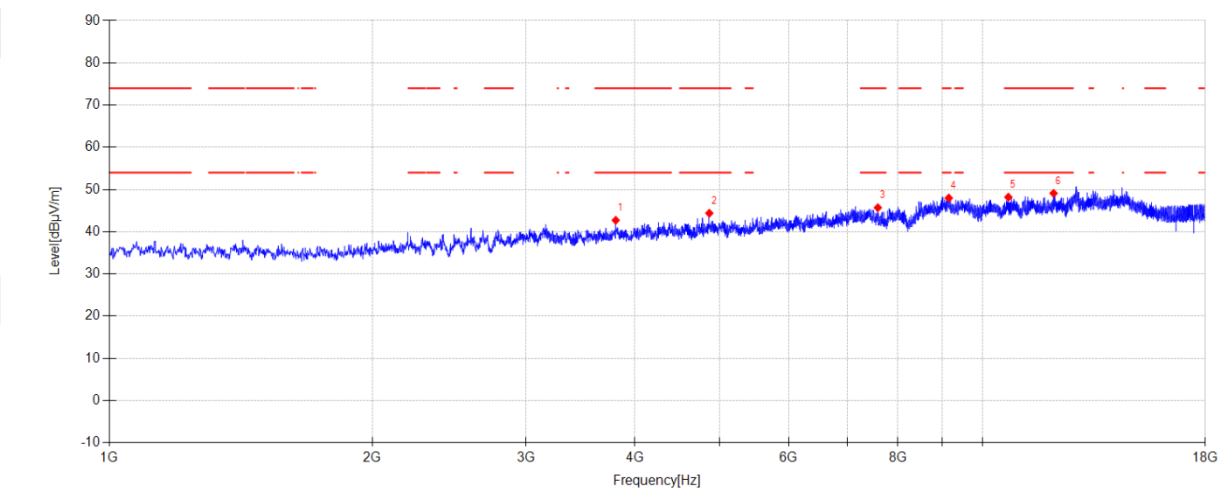
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\6

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3801.600	46.92	30.88	4.54	-39.62	42.72	74.00	31.28	PK	Horizontal
2	4865.800	46.06	32.96	5.16	-39.79	44.39	74.00	29.61	PK	Horizontal
3	7589.200	43.51	36.20	5.83	-39.84	45.70	74.00	28.30	PK	Horizontal
4	9149.800	40.96	39.00	6.78	-38.76	47.98	74.00	26.02	PK	Horizontal
5	10707.000	41.16	39.47	7.19	-39.63	48.19	74.00	25.81	PK	Horizontal
6	12065.300	41.51	39.33	7.81	-39.55	49.10	74.00	24.90	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

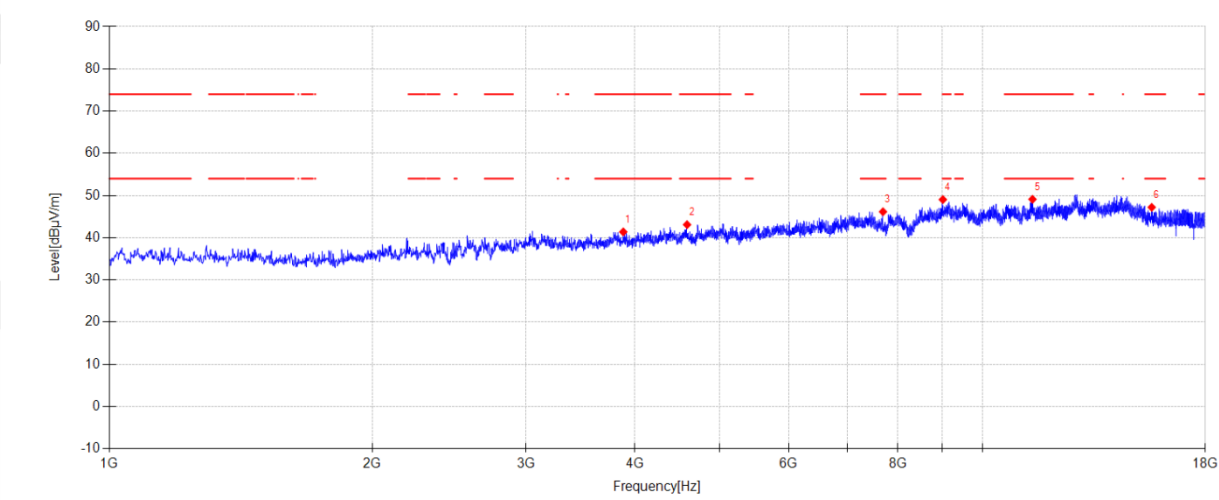
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\2

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3878.100	45.84	30.64	4.55	-39.65	41.38	74.00	32.62	PK	Horizontal
2	4588.700	46.32	31.56	4.97	-39.76	43.09	74.00	30.91	PK	Horizontal
3	7692.900	43.39	36.74	5.86	-39.83	46.16	74.00	27.84	PK	Horizontal
4	9008.700	42.28	38.57	6.80	-38.61	49.04	74.00	24.96	PK	Horizontal
5	11410.800	41.44	39.69	7.57	-39.60	49.10	74.00	24.90	PK	Horizontal
6	15626.800	39.07	38.87	8.46	-39.19	47.21	74.00	26.79	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

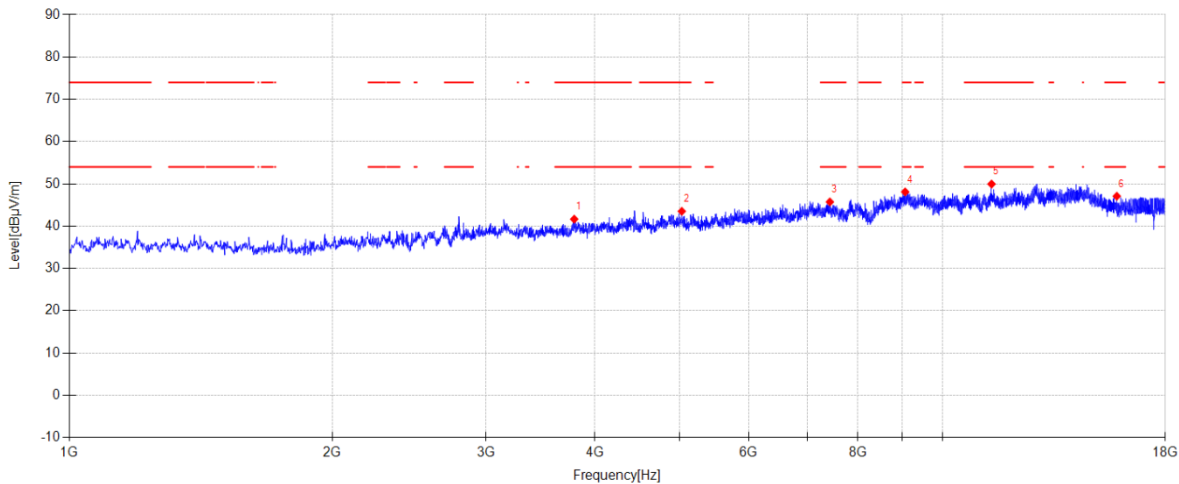
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\3

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3786.300	46.13	30.60	4.54	-39.61	41.66	74.00	32.34	PK	Vertical
2	5029.000	44.99	33.06	5.26	-39.79	43.52	74.00	30.48	PK	Vertical
3	7431.100	43.18	36.64	5.77	-39.86	45.73	74.00	28.27	PK	Vertical
4	9063.100	41.32	38.66	6.79	-38.67	48.10	74.00	25.90	PK	Vertical
5	11381.900	42.42	39.58	7.56	-39.60	49.96	74.00	24.04	PK	Vertical
6	15837.600	39.91	38.05	8.55	-39.42	47.09	74.00	26.91	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

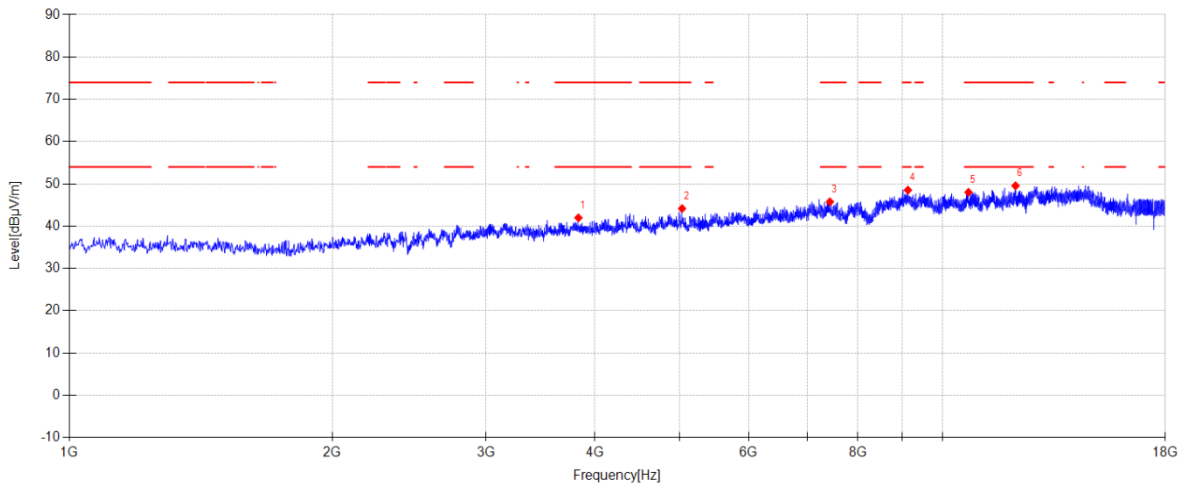
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\4

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3828.800	46.51	30.55	4.55	-39.63	41.98	74.00	32.02	PK	Horizontal
2	5032.400	45.63	33.06	5.26	-39.79	44.16	74.00	29.84	PK	Horizontal
3	7431.100	43.21	36.64	5.77	-39.86	45.76	74.00	28.24	PK	Horizontal
4	9129.400	41.90	38.59	6.78	-38.74	48.53	74.00	25.47	PK	Horizontal
5	10710.400	40.99	39.45	7.20	-39.63	48.01	74.00	25.99	PK	Horizontal
6	12124.800	41.80	39.43	7.81	-39.50	49.54	74.00	24.46	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

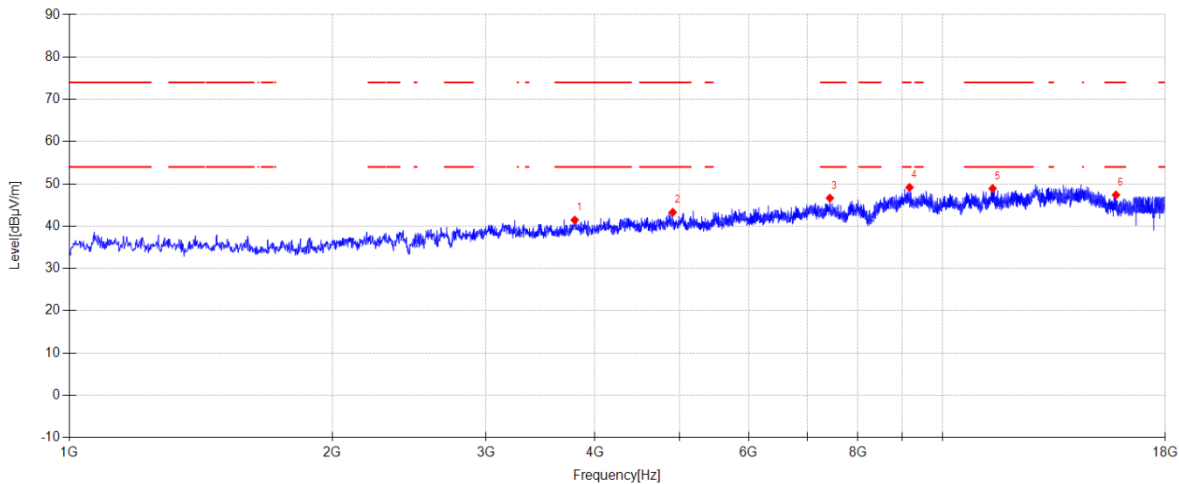
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\5

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3791.400	45.82	30.71	4.54	-39.62	41.45	74.00	32.55	PK	Vertical
2	4910.000	44.77	33.10	5.19	-39.79	43.27	74.00	30.73	PK	Vertical
3	7431.100	44.09	36.64	5.77	-39.86	46.64	74.00	27.36	PK	Vertical
4	9170.200	42.41	38.76	6.78	-38.79	49.16	74.00	24.84	PK	Vertical
5	11414.200	41.27	39.66	7.58	-39.60	48.91	74.00	25.09	PK	Vertical
6	15803.600	40.05	38.19	8.53	-39.38	47.39	74.00	26.61	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

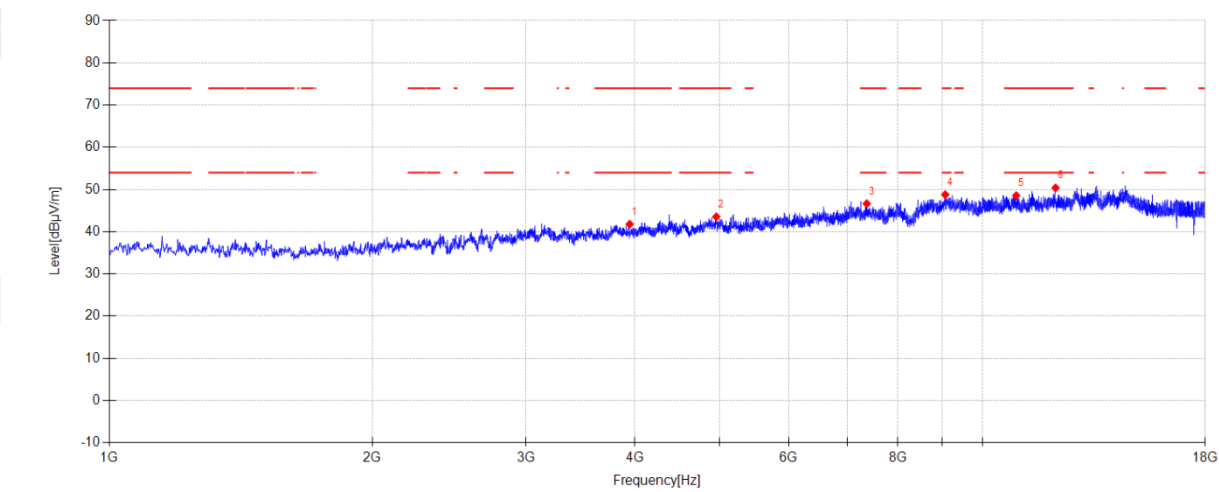
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\7

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3944.400	46.53	30.37	4.56	-39.68	41.78	74.00	32.22	PK	Horizontal
2	4955.900	45.04	33.09	5.22	-39.80	43.55	74.00	30.45	PK	Horizontal
3	7369.900	43.88	36.88	5.75	-39.86	46.65	74.00	27.35	PK	Horizontal
4	9064.800	42.03	38.63	6.79	-38.67	48.78	74.00	25.22	PK	Horizontal
5	10931.400	41.18	39.63	7.36	-39.61	48.56	74.00	25.44	PK	Horizontal
6	12126.500	42.68	39.42	7.81	-39.50	50.41	74.00	23.59	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

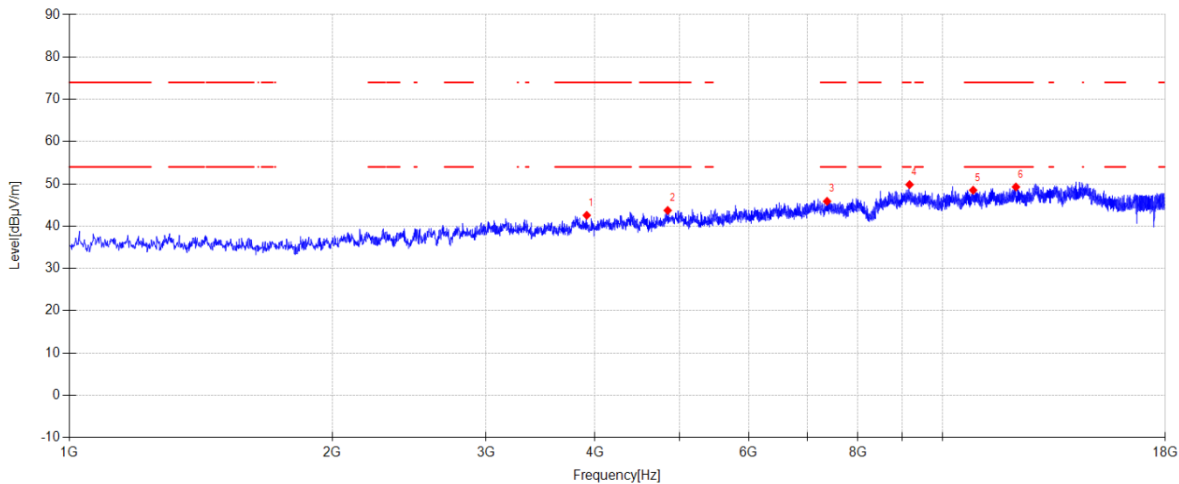
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\8

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3913.800	46.94	30.73	4.56	-39.67	42.56	74.00	31.44	PK	Vertical
2	4845.400	45.52	32.83	5.14	-39.78	43.71	74.00	30.29	PK	Vertical
3	7376.700	43.15	36.84	5.75	-39.86	45.88	74.00	28.12	PK	Vertical
4	9170.200	43.07	38.76	6.78	-38.79	49.82	74.00	24.18	PK	Vertical
5	10843.000	41.57	39.26	7.29	-39.62	48.50	74.00	25.50	PK	Vertical
6	12138.400	41.57	39.38	7.81	-39.49	49.27	74.00	24.73	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

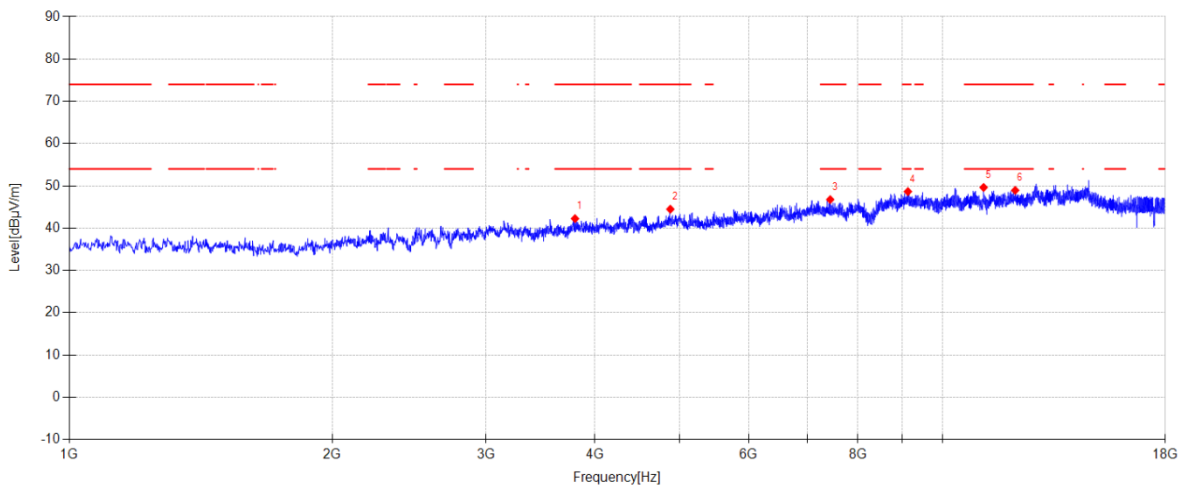
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\9

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3794.800	46.54	30.79	4.54	-39.62	42.25	74.00	31.75	PK	Horizontal
2	4879.400	46.08	33.02	5.17	-39.79	44.48	74.00	29.52	PK	Horizontal
3	7437.900	44.24	36.62	5.77	-39.86	46.77	74.00	27.23	PK	Horizontal
4	9129.400	42.02	38.59	6.78	-38.74	48.65	74.00	25.35	PK	Horizontal
5	11145.600	42.91	38.85	7.47	-39.60	49.63	74.00	24.37	PK	Horizontal
6	12114.600	41.18	39.46	7.81	-39.51	48.94	74.00	25.06	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2440MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

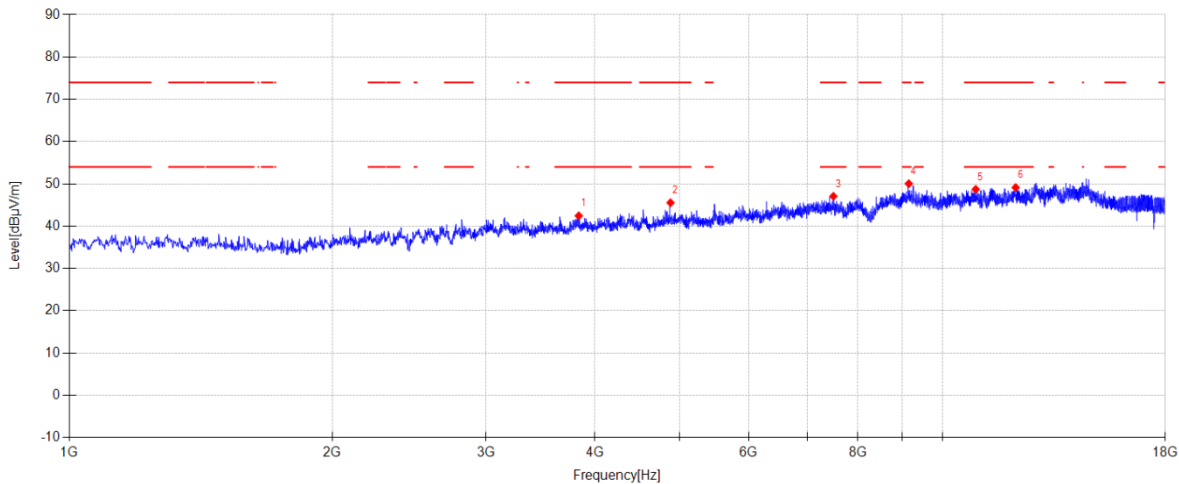
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\10

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3832.200	47.01	30.51	4.55	-39.63	42.44	74.00	31.56	PK	Vertical
2	4881.100	47.14	33.02	5.17	-39.79	45.54	74.00	28.46	PK	Vertical
3	7500.800	44.23	36.89	5.80	-39.85	47.07	74.00	26.93	PK	Vertical
4	9151.500	43.05	38.98	6.78	-38.77	50.04	74.00	23.96	PK	Vertical
5	10916.100	41.35	39.62	7.35	-39.61	48.71	74.00	25.29	PK	Vertical
6	12129.900	41.41	39.41	7.81	-39.50	49.13	74.00	24.87	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

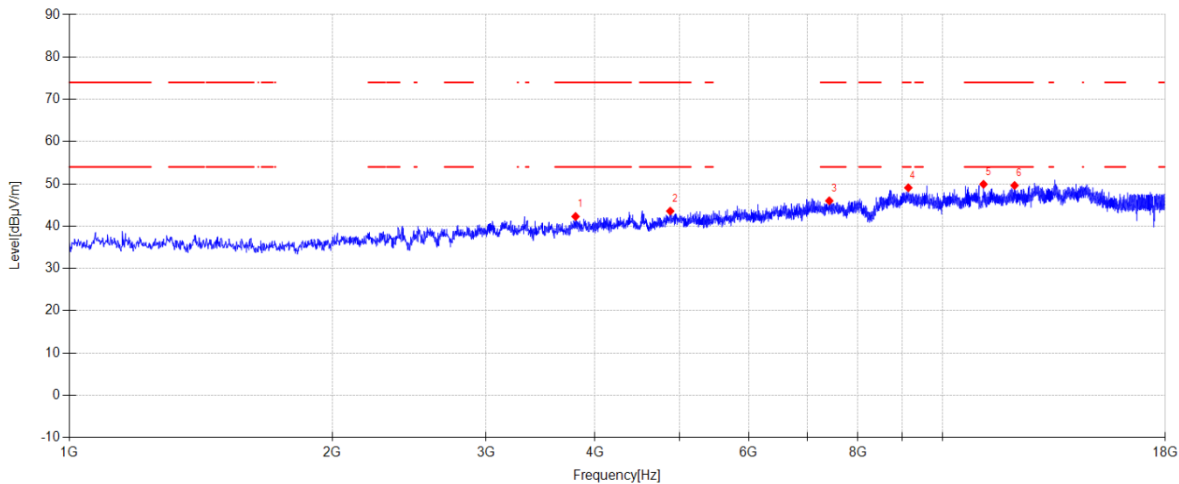
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\11

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3799.900	46.46	30.90	4.54	-39.62	42.28	74.00	31.72	PK	Horizontal
2	4877.700	45.16	33.01	5.17	-39.79	43.55	74.00	30.45	PK	Horizontal
3	7419.200	43.42	36.66	5.77	-39.86	45.99	74.00	28.01	PK	Horizontal
4	9139.600	42.27	38.79	6.78	-38.75	49.09	74.00	24.91	PK	Horizontal
5	11143.900	43.19	38.86	7.47	-39.60	49.92	74.00	24.08	PK	Horizontal
6	12094.200	41.86	39.47	7.81	-39.52	49.62	74.00	24.38	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

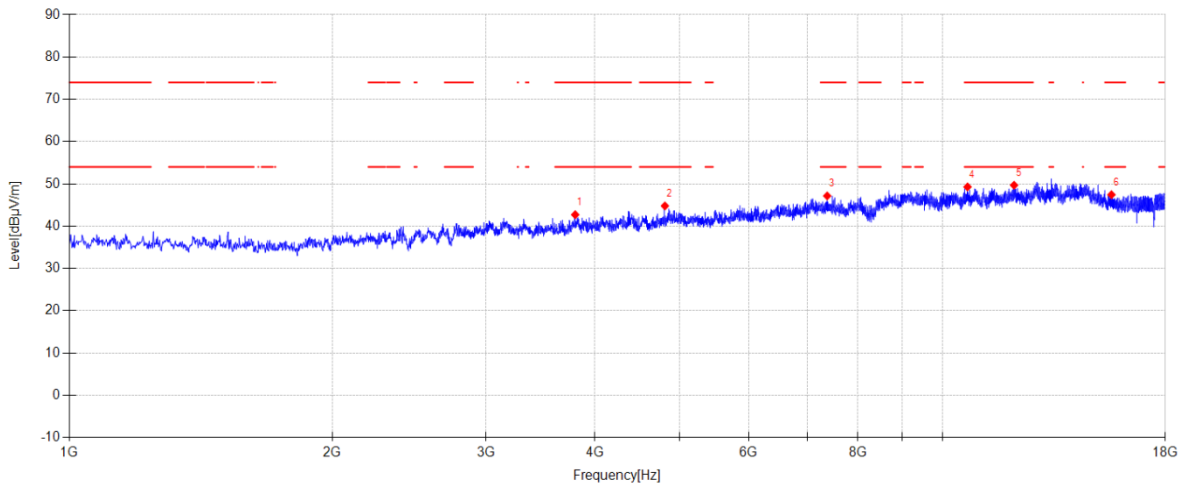
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\12

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3796.500	46.97	30.82	4.54	-39.62	42.71	74.00	31.29	PK	Vertical
2	4809.700	47.18	32.26	5.12	-39.78	44.78	74.00	29.22	PK	Vertical
3	7378.400	44.44	36.83	5.75	-39.86	47.16	74.00	26.84	PK	Vertical
4	10683.200	42.28	39.45	7.18	-39.63	49.28	74.00	24.72	PK	Vertical
5	12078.900	42.02	39.39	7.81	-39.54	49.68	74.00	24.32	PK	Vertical
6	15614.900	39.24	38.93	8.45	-39.18	47.44	74.00	26.56	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.

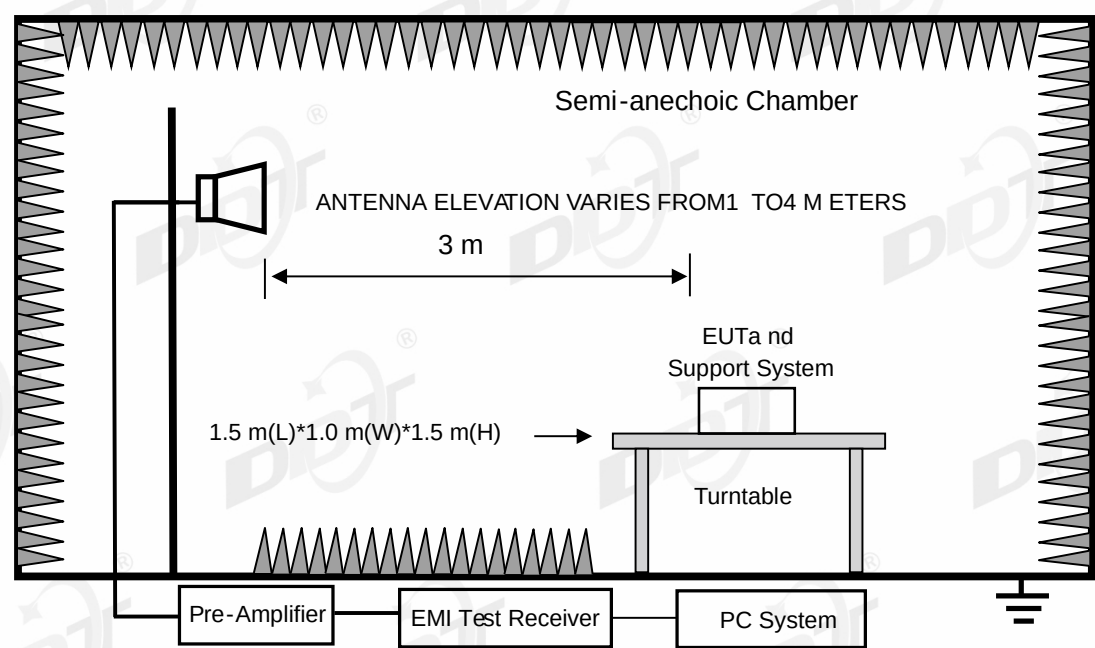
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	/
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28

13.2. Block diagram of test setup



13.3. Limits

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

13.4. Assistant equipment used for test

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

13.5. Test procedure

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

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

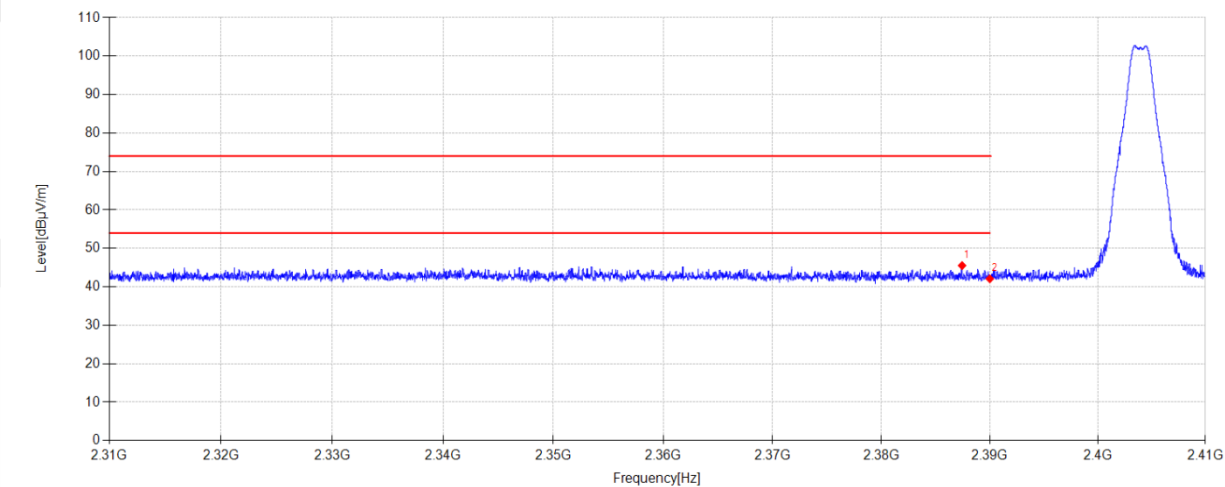
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\33

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.440	14.28	27.48	3.77	0.00	45.53	74.00	28.47	PK	Horizontal
2	2390.000	10.86	27.46	3.78	0.00	42.10	74.00	31.90	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

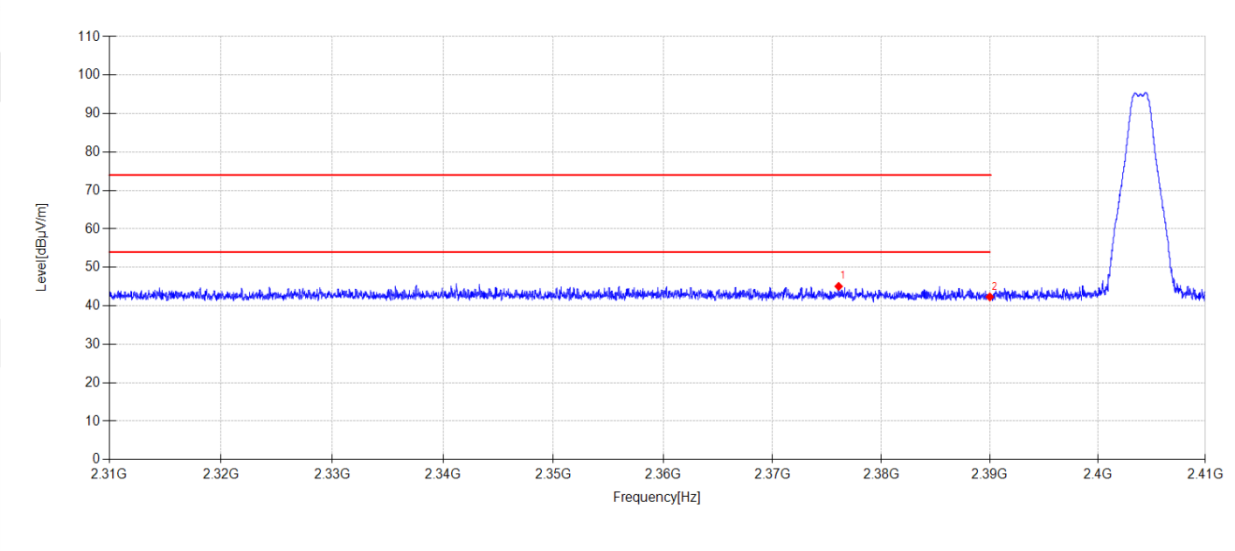
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\34

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2376.070	13.76	27.54	3.76	0.00	45.06	74.00	28.94	PK	Vertical
2	2390.000	11.08	27.46	3.78	0.00	42.32	74.00	31.68	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

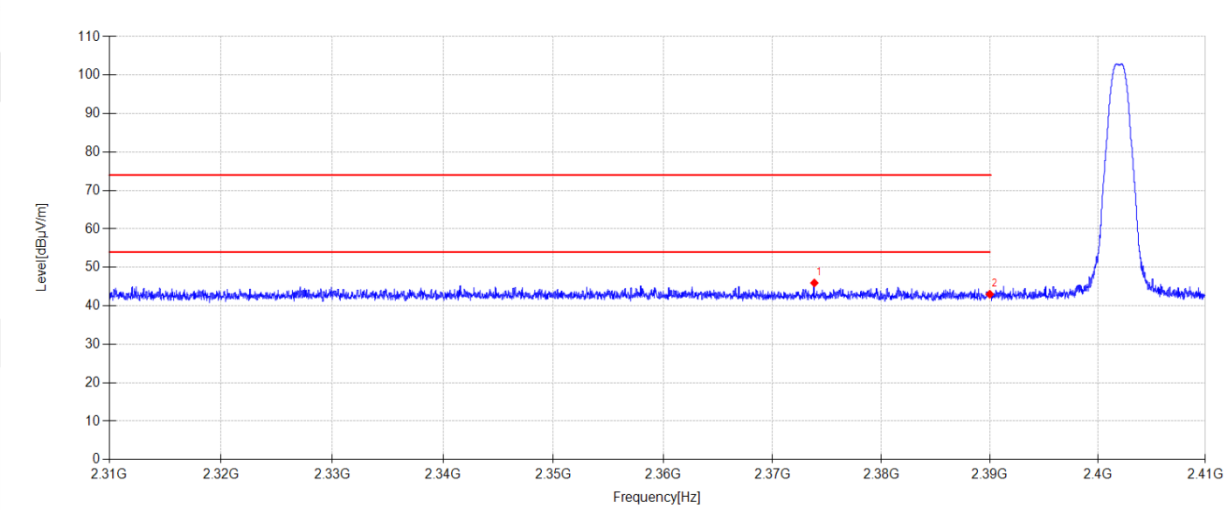
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\35

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2373.840	14.63	27.56	3.76	0.00	45.95	74.00	28.05	PK	Horizontal
2	2390.000	11.78	27.46	3.78	0.00	43.02	74.00	30.98	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

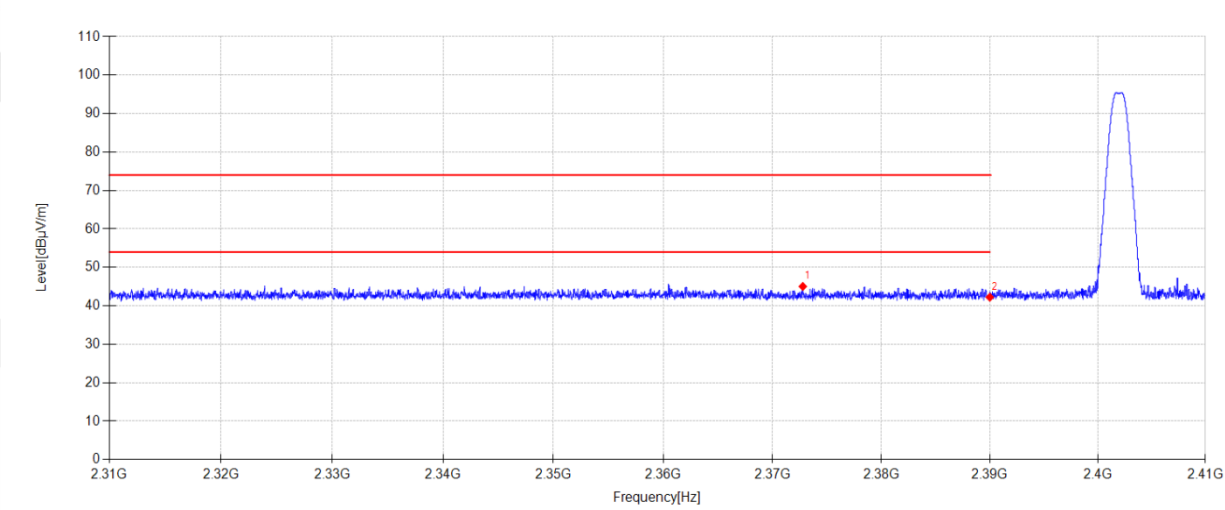
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\36

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2372.780	13.72	27.56	3.76	0.00	45.04	74.00	28.96	PK	Vertical
2	2390.000	11.00	27.46	3.78	0.00	42.24	74.00	31.76	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

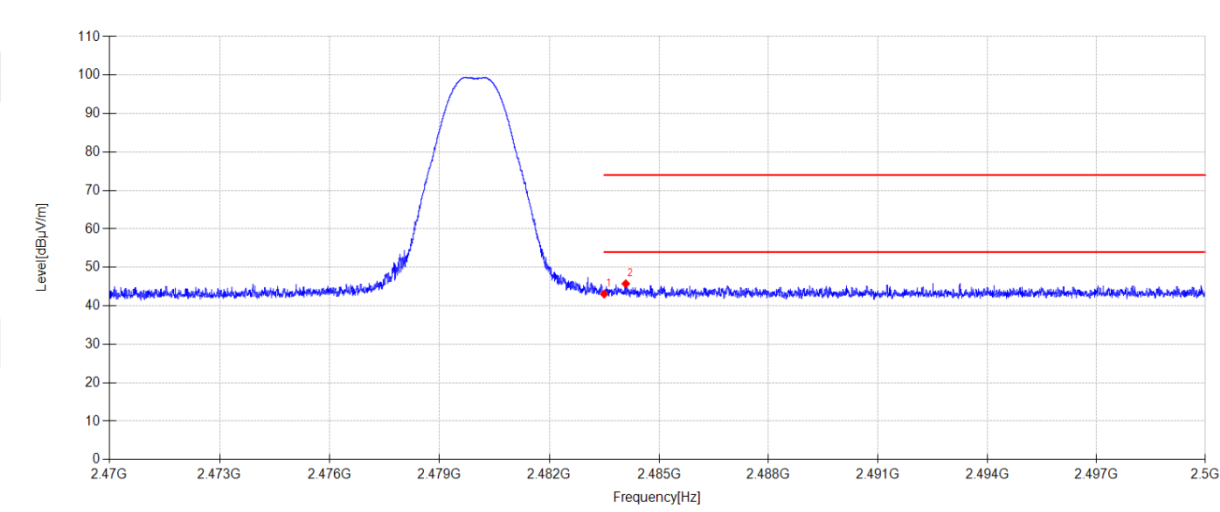
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\37

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.62	27.54	3.88	0.00	43.04	74.00	30.96	PK	Horizontal
2	2484.091	14.32	27.54	3.88	0.00	45.74	74.00	28.26	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

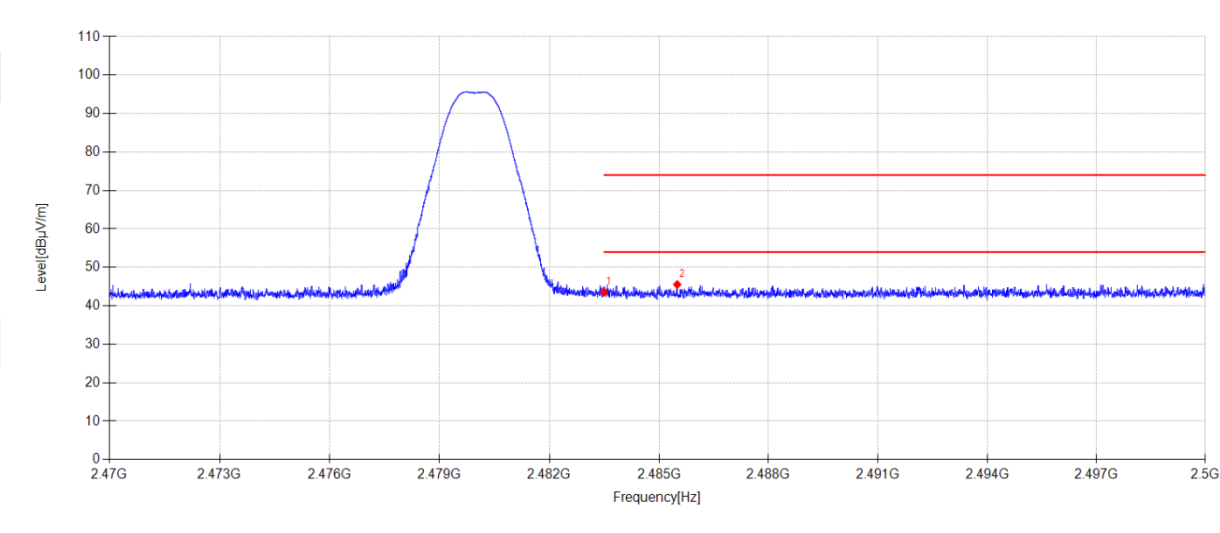
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\38

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.13	27.54	3.88	0.00	43.55	74.00	30.45	PK	Vertical
2	2485.498	14.11	27.55	3.88	0.00	45.54	74.00	28.46	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

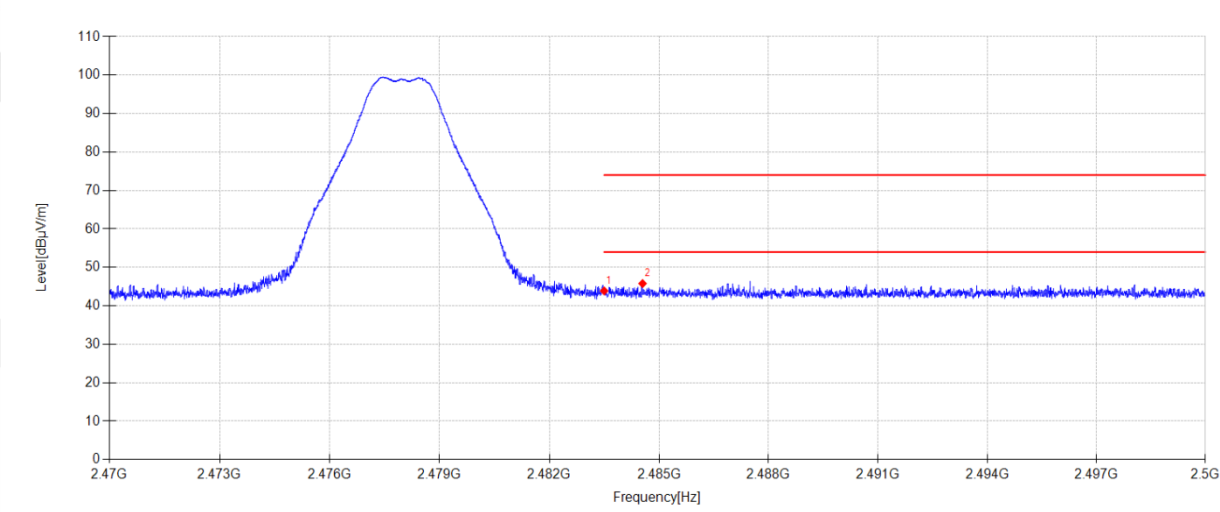
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\39

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.46	27.54	3.88	0.00	43.88	74.00	30.12	PK	Horizontal
2	2484.550	14.37	27.55	3.88	0.00	45.80	74.00	28.20	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

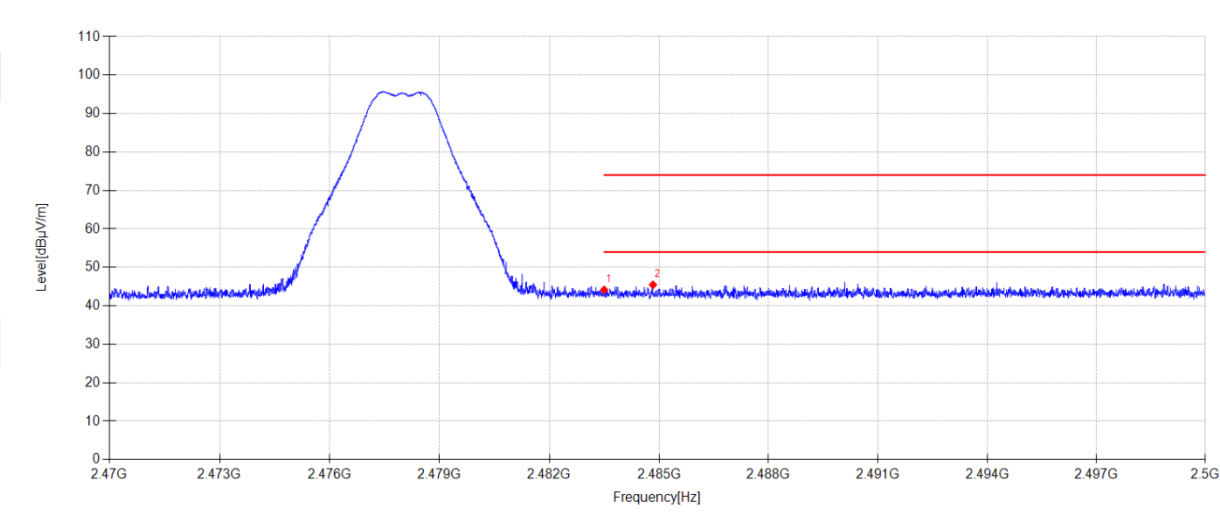
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\40

Memo:

Left Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.73	27.54	3.88	0.00	44.15	74.00	29.85	PK	Vertical
2	2484.835	14.04	27.55	3.88	0.00	45.47	74.00	28.53	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

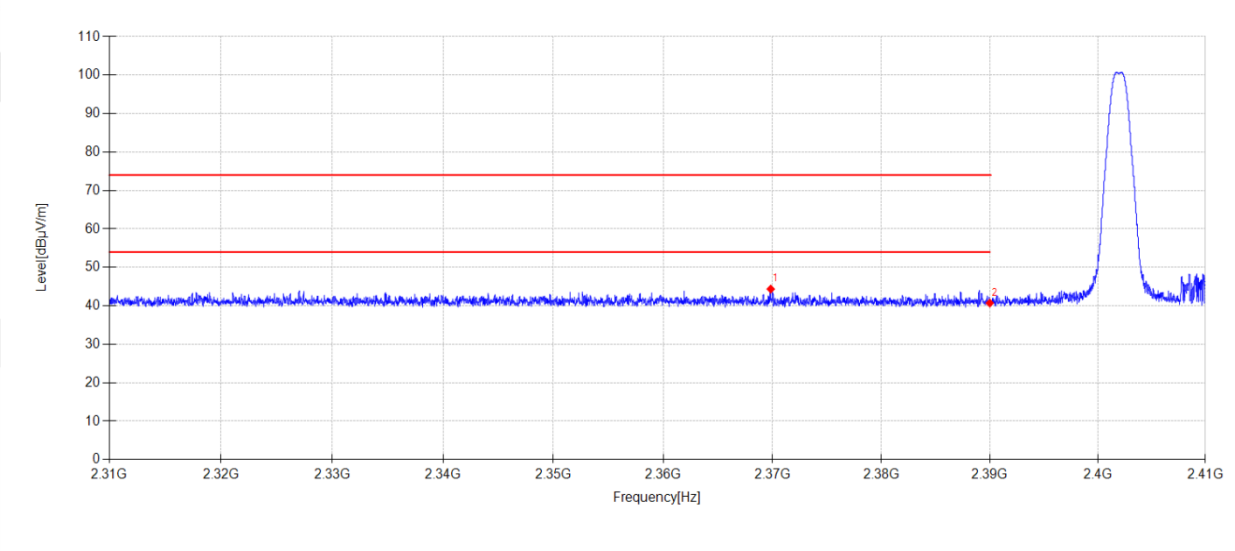
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\13

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2369.840	13.03	27.58	3.75	0.00	44.36	74.00	29.64	PK	Horizontal
2	2390.000	9.48	27.46	3.78	0.00	40.72	74.00	33.28	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

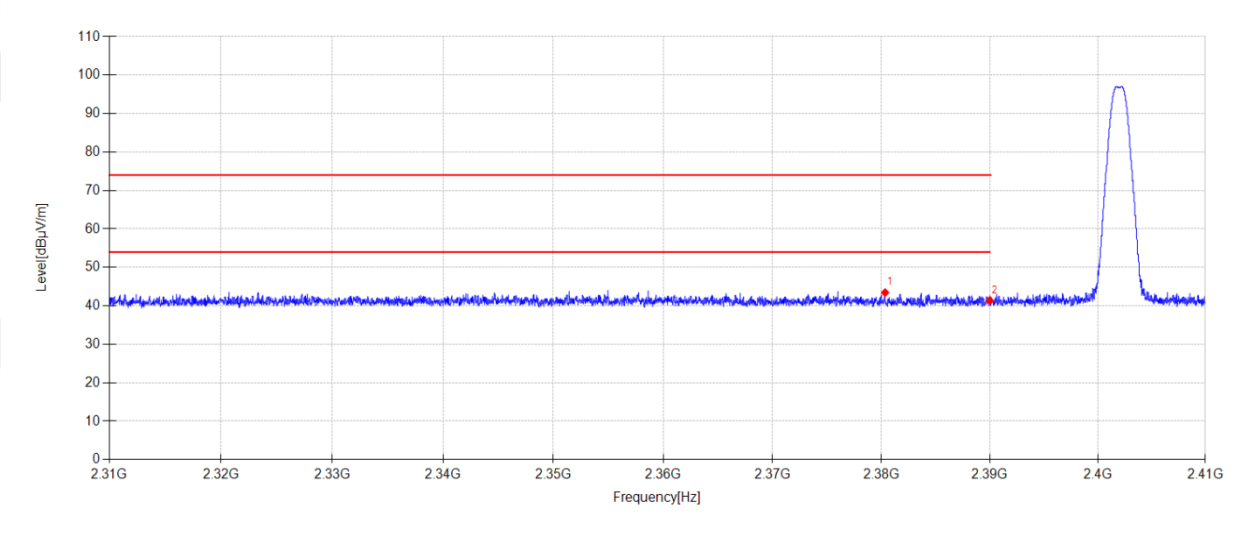
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\14

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2380.340	12.16	27.52	3.76	0.00	43.44	74.00	30.56	PK	Vertical
2	2390.000	10.13	27.46	3.78	0.00	41.37	74.00	32.63	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:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

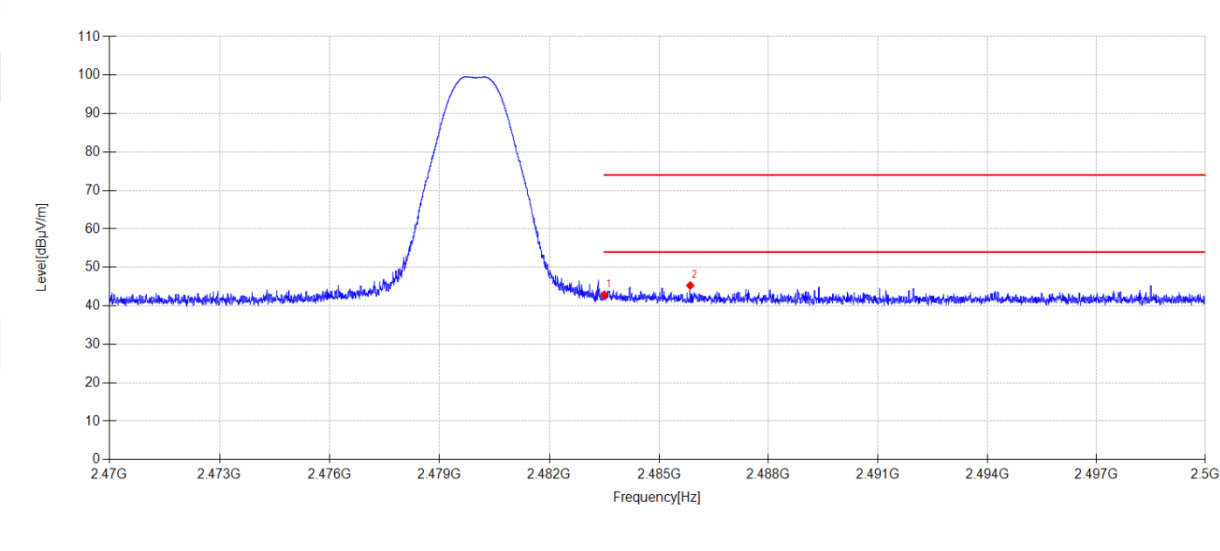
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\15

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.40	27.54	3.88	0.00	42.82	74.00	31.18	PK	Horizontal
2	2485.855	13.85	27.56	3.88	0.00	45.29	74.00	28.71	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-21

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

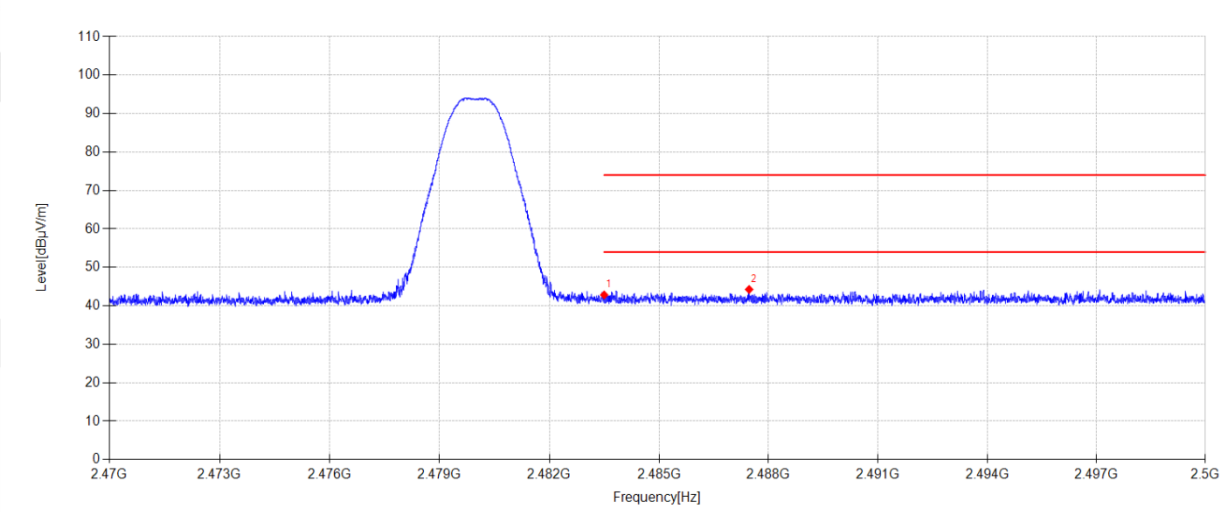
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\16

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.42	27.54	3.88	0.00	42.84	74.00	31.16	PK	Vertical
2	2487.469	12.81	27.57	3.88	0.00	44.26	74.00	29.74	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

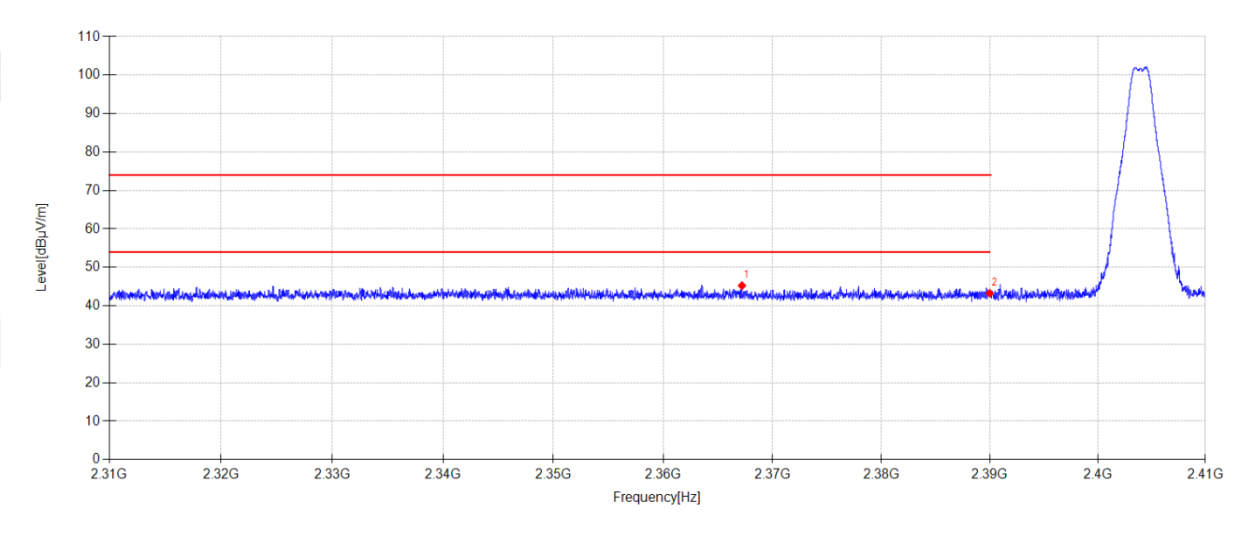
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\17

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2367.200	13.90	27.60	3.75	0.00	45.25	74.00	28.75	PK	Horizontal
2	2390.000	12.01	27.46	3.78	0.00	43.25	74.00	30.75	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

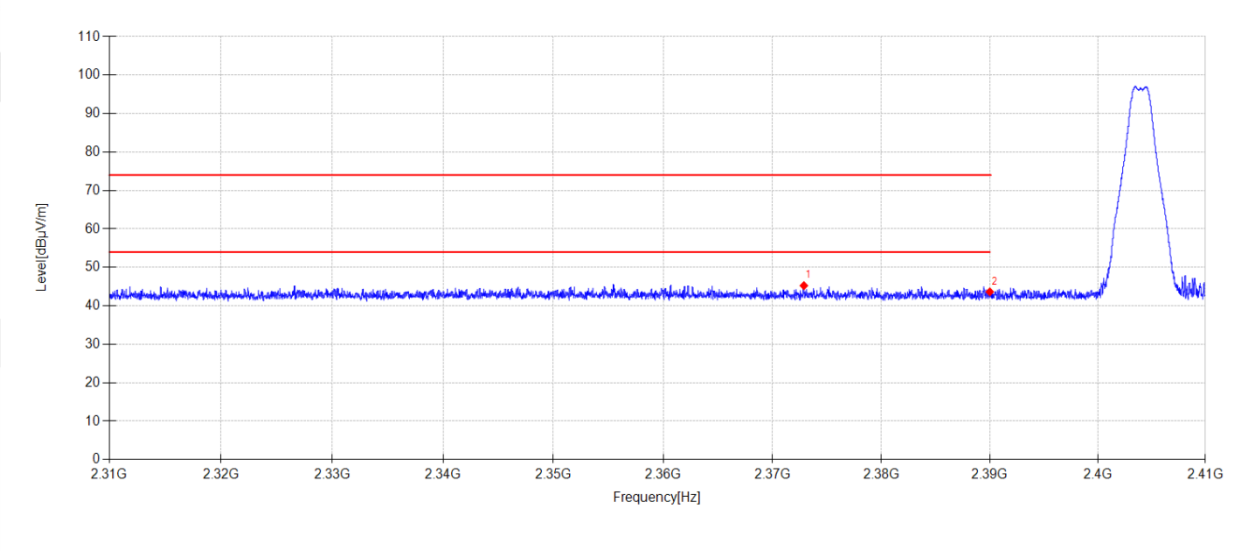
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\18

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2372.880	13.93	27.56	3.76	0.00	45.25	74.00	28.75	PK	Vertical
2	2390.000	12.40	27.46	3.78	0.00	43.64	74.00	30.36	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

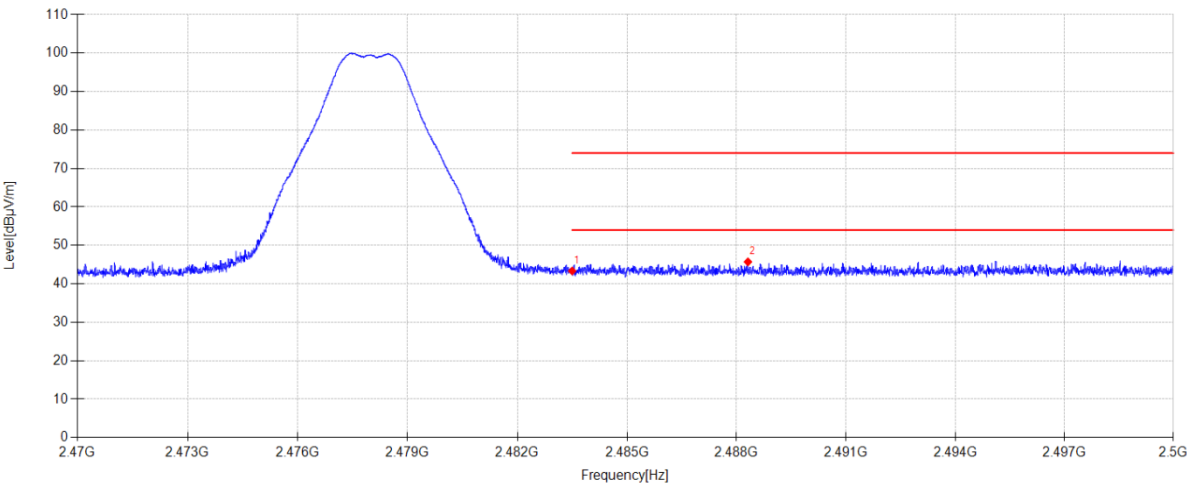
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\19

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.92	27.54	3.88	0.00	43.34	74.00	30.66	PK	Horizontal
2	2488.312	14.25	27.58	3.88	0.00	45.71	74.00	28.29	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:

2025-11-27

Tested By:

Lin Guoyuan

EUT:

WIRELESS HEADPHONES

Model Number:

KH-CRZ90T

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

Battery

Condition:

Temp:23.6°C;Humi:58.6%

Test Site:

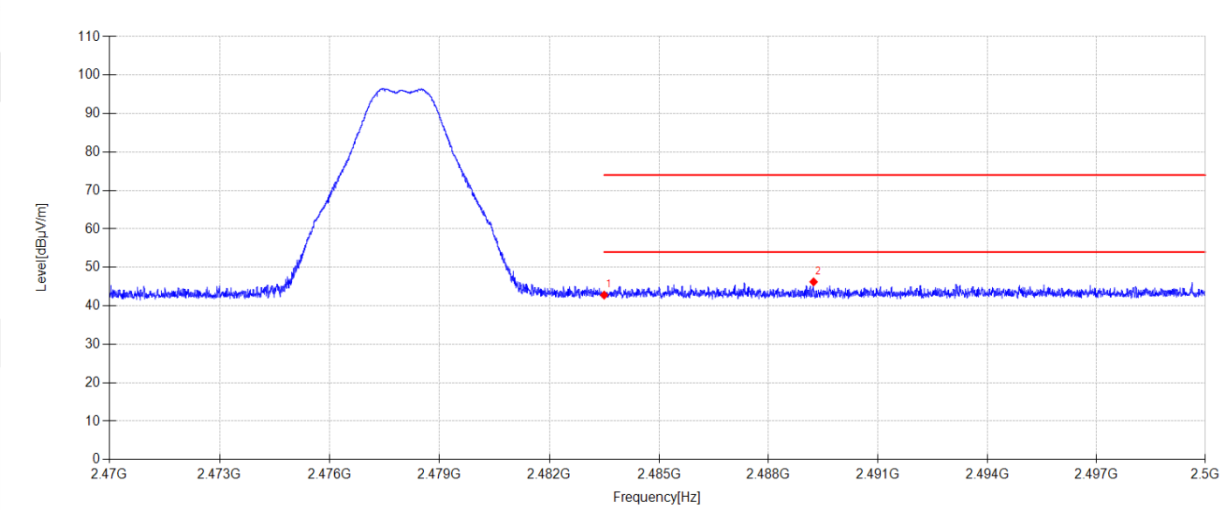
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25101501-2E\FCC ABOVE 1G BLE\20

Memo:

Right Side Sample Number:S25101501-011



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.37	27.54	3.88	0.00	42.79	74.00	31.21	PK	Vertical
2	2489.236	14.76	27.59	3.88	0.00	46.23	74.00	27.77	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.

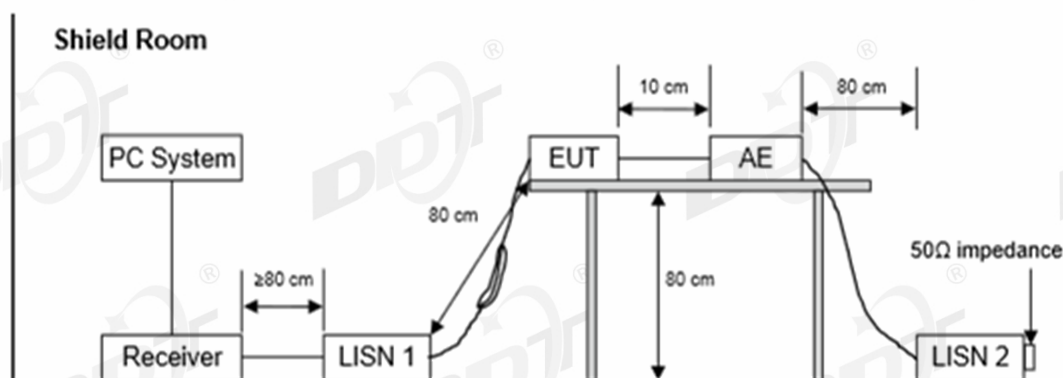
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2026/03/28
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2026/07/06
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2026/03/28
Coaxial signal signal cable	H&S	RG214-5	DDT-ZC01817	2026/03/28
Conducted Radiated Software	Audix	e3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2026/07/06

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

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

14.5. Test procedure

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

All support equipment power received from a second LISN.

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

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

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

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

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

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

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

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

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

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

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

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

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

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

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

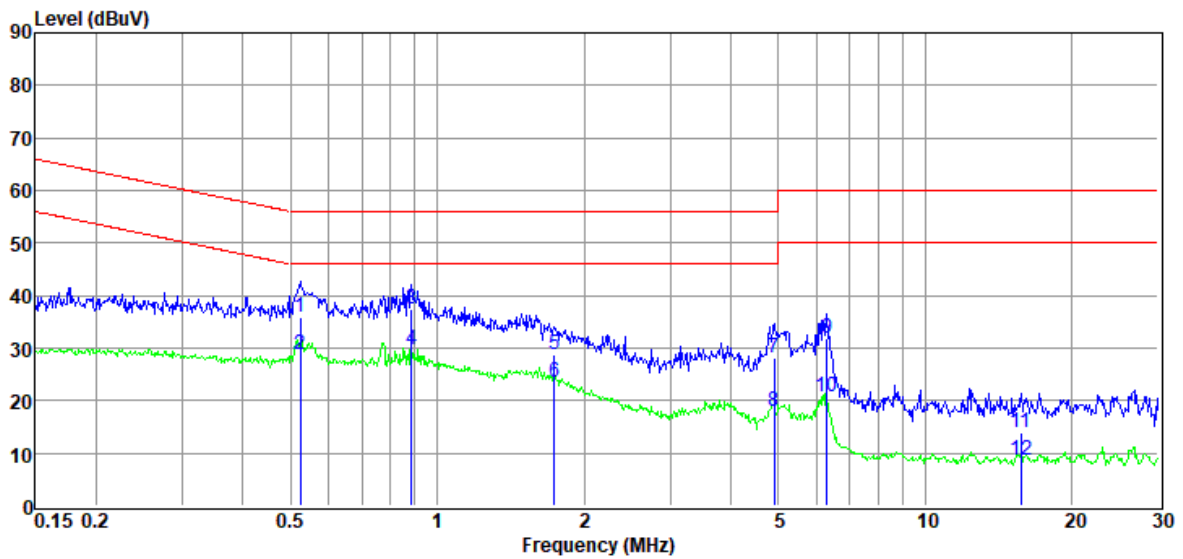
Test Site : DDT 5# Shield Room
 Test Date : 2025-11-24
 Power Supply : AC 120V/60Hz
 Condition : Temp:22.4°C,Humi:56.8%

D:\2025 report data\Q25101501\1124 CE.EM6

Tested By : Aaron Liu
 Test Mode : BLE1M mode
 LISN : 2025 2# 216/LINE

Memo :

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.52	16.04	9.49	0.10	10.33	35.96	56.00	20.04	QP	LINE
2	0.52	8.73	9.49	0.10	10.33	28.65	46.00	17.35	Average	LINE
3	0.88	17.47	9.50	0.16	10.39	37.52	56.00	18.48	QP	LINE
4	0.88	9.71	9.50	0.16	10.39	29.76	46.00	16.24	Average	LINE
5	1.73	8.61	9.52	0.20	10.39	28.72	56.00	27.28	QP	LINE
6	1.73	3.47	9.52	0.20	10.39	23.58	46.00	22.42	Average	LINE
7	4.90	8.23	9.54	0.24	10.26	28.27	56.00	27.73	QP	LINE
8	4.90	-2.04	9.54	0.24	10.26	18.00	46.00	28.00	Average	LINE
9	6.29	11.79	9.55	0.25	10.22	31.81	60.00	28.19	QP	LINE
10	6.29	0.76	9.55	0.25	10.22	20.78	50.00	29.22	Average	LINE
11	15.72	-6.39	9.76	0.32	10.23	13.92	60.00	46.08	QP	LINE
12	15.72	-11.51	9.76	0.32	10.23	8.80	50.00	41.20	Average	LINE

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

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25101501\1124 CE.EM6

Test Date : 2025-11-24

Tested By : Aaron Liu

Power Supply : AC 120V/60Hz

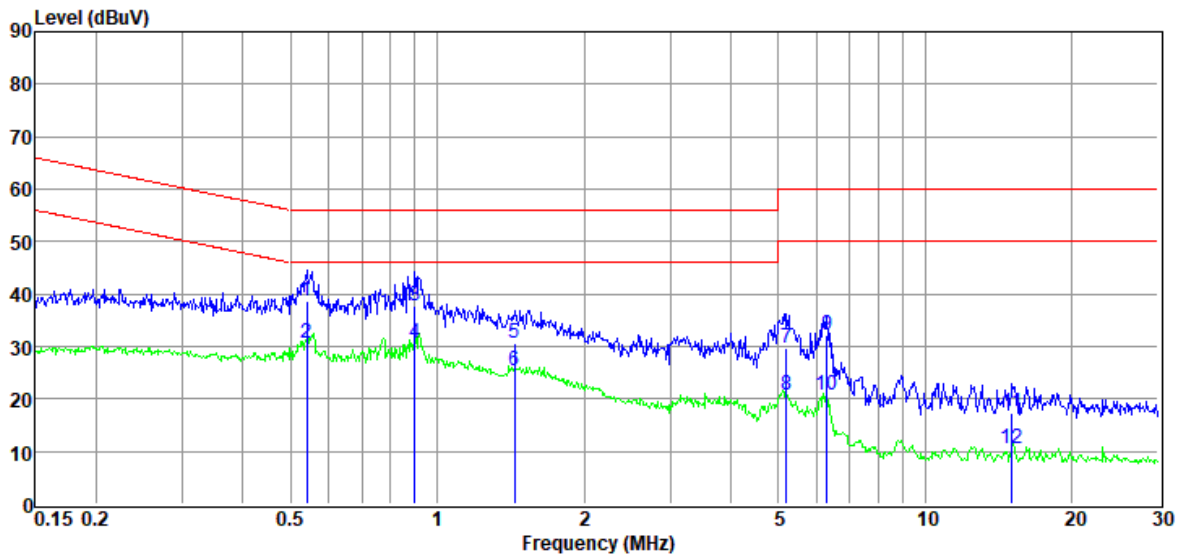
Test Mode : BLE1M mode

Condition : Temp:22.4°C,Humi:56.8%

LISN : 2025 2# 216/NEUTRAL

Memo :

Data: 8



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Margin (dB)	Detector	Phase
1	0.54	18.81	9.48	0.11	10.33	38.73	56.00	17.27	QP	NEUTRAL
2	0.54	10.85	9.48	0.11	10.33	30.77	46.00	15.23	Average	NEUTRAL
3	0.90	17.79	9.49	0.16	10.39	37.83	56.00	18.17	QP	NEUTRAL
4	0.90	10.63	9.49	0.16	10.39	30.67	46.00	15.33	Average	NEUTRAL
5	1.44	10.67	9.50	0.19	10.39	30.75	56.00	25.25	QP	NEUTRAL
6	1.44	5.35	9.50	0.19	10.39	25.43	46.00	20.57	Average	NEUTRAL
7	5.19	9.66	9.54	0.24	10.25	29.69	60.00	30.31	QP	NEUTRAL
8	5.19	0.64	9.54	0.24	10.25	20.67	50.00	29.33	Average	NEUTRAL
9	6.29	12.18	9.56	0.25	10.22	32.21	60.00	27.79	QP	NEUTRAL
10	6.29	0.79	9.56	0.25	10.22	20.82	50.00	29.18	Average	NEUTRAL
11	15.07	-3.02	9.81	0.32	10.21	17.32	60.00	42.68	QP	NEUTRAL
12	15.07	-9.68	9.81	0.32	10.21	10.66	50.00	39.34	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25101501\1124 CE.EM6

Test Date : 2025-11-24

Tested By : Aaron Liu

Power Supply : AC 120V/60Hz

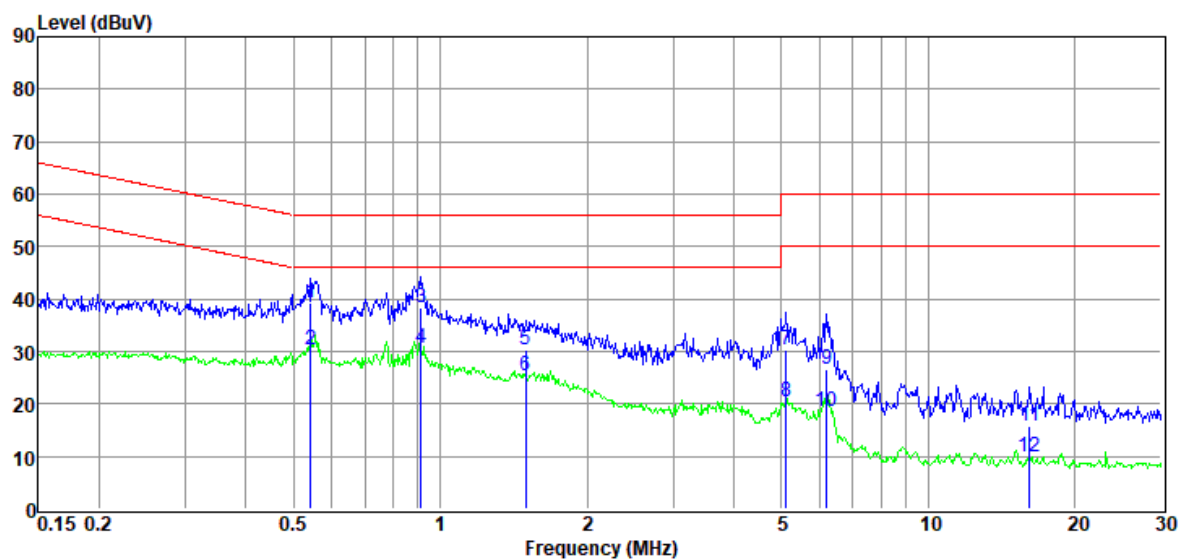
Test Mode : BLE2M mode

Condition : Temp:22.4°C,Humi:56.8%

LISN : 2025 2# 216/NEUTRAL

Memo :

Data: 10



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Margin (dB)	Detector	Phase
1	0.54	19.39	9.48	0.11	10.33	39.31	56.00	16.69	QP	NEUTRAL
2	0.54	10.36	9.48	0.11	10.33	30.28	46.00	15.72	Average	NEUTRAL
3	0.91	18.17	9.49	0.16	10.39	38.21	56.00	17.79	QP	NEUTRAL
4	0.91	10.59	9.49	0.16	10.39	30.63	46.00	15.37	Average	NEUTRAL
5	1.50	10.24	9.50	0.20	10.39	30.33	56.00	25.67	QP	NEUTRAL
6	1.50	5.27	9.50	0.20	10.39	25.36	46.00	20.64	Average	NEUTRAL
7	5.11	10.22	9.54	0.24	10.26	30.26	60.00	29.74	QP	NEUTRAL
8	5.11	0.44	9.54	0.24	10.26	20.48	50.00	29.52	Average	NEUTRAL
9	6.19	6.44	9.56	0.25	10.22	26.47	60.00	33.53	QP	NEUTRAL
10	6.19	-1.49	9.56	0.25	10.22	18.54	50.00	31.46	Average	NEUTRAL
11	16.14	-4.53	9.84	0.33	10.24	15.88	60.00	44.12	QP	NEUTRAL
12	16.14	-10.52	9.84	0.33	10.24	9.89	50.00	40.11	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25101501\1124 CE.EM6

Test Date : 2025-11-24

Tested By : Aaron Liu

Power Supply : AC 120V/60Hz

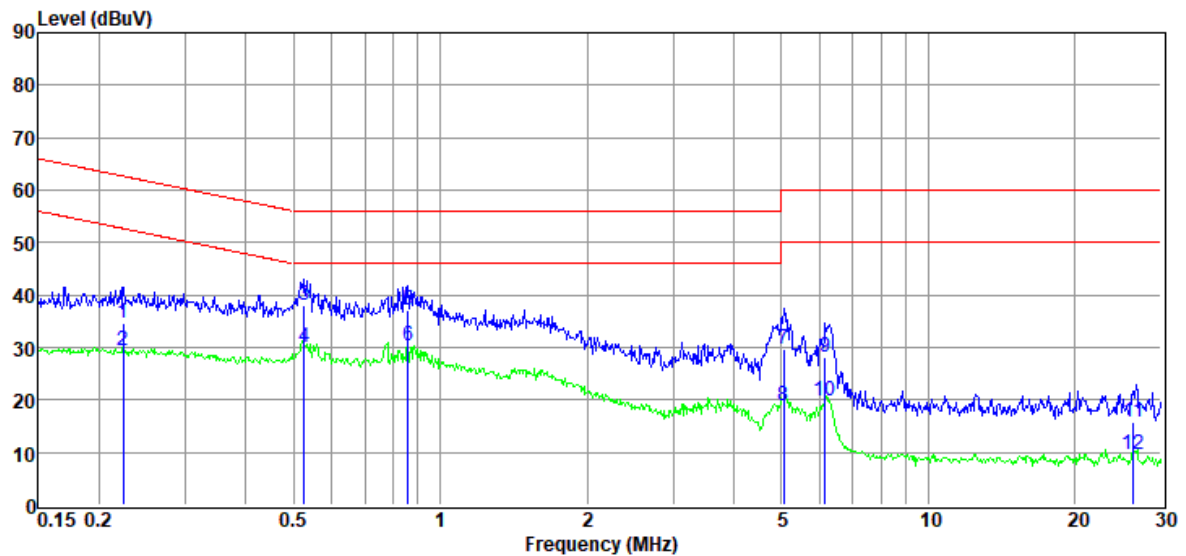
Test Mode : BLE2M mode

Condition : Temp:22.4°C,Humi:56.8%

LISN : 2025 2# 216/LINE

Memo :

Data: 12



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.22	14.83	9.45	0.06	10.22	34.56	62.66	28.10	QP	LINE
2	0.22	9.75	9.45	0.06	10.22	29.48	52.66	23.18	Average	LINE
3	0.53	18.01	9.49	0.10	10.33	37.93	56.00	18.07	QP	LINE
4	0.53	10.06	9.49	0.10	10.33	29.98	46.00	16.02	Average	LINE
5	0.86	17.03	9.50	0.15	10.38	37.06	56.00	18.94	QP	LINE
6	0.86	10.29	9.50	0.15	10.38	30.32	46.00	15.68	Average	LINE
7	5.06	9.50	9.54	0.24	10.26	29.54	60.00	30.46	QP	LINE
8	5.06	-1.10	9.54	0.24	10.26	18.94	50.00	31.06	Average	LINE
9	6.15	8.16	9.55	0.25	10.22	28.18	60.00	31.82	QP	LINE
10	6.15	-0.31	9.55	0.25	10.22	19.71	50.00	30.29	Average	LINE
11	26.28	-4.54	9.64	0.38	10.29	15.77	60.00	44.23	QP	LINE
12	26.28	-10.73	9.64	0.38	10.29	9.58	50.00	40.42	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q25101501-1E appendix I

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