

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.

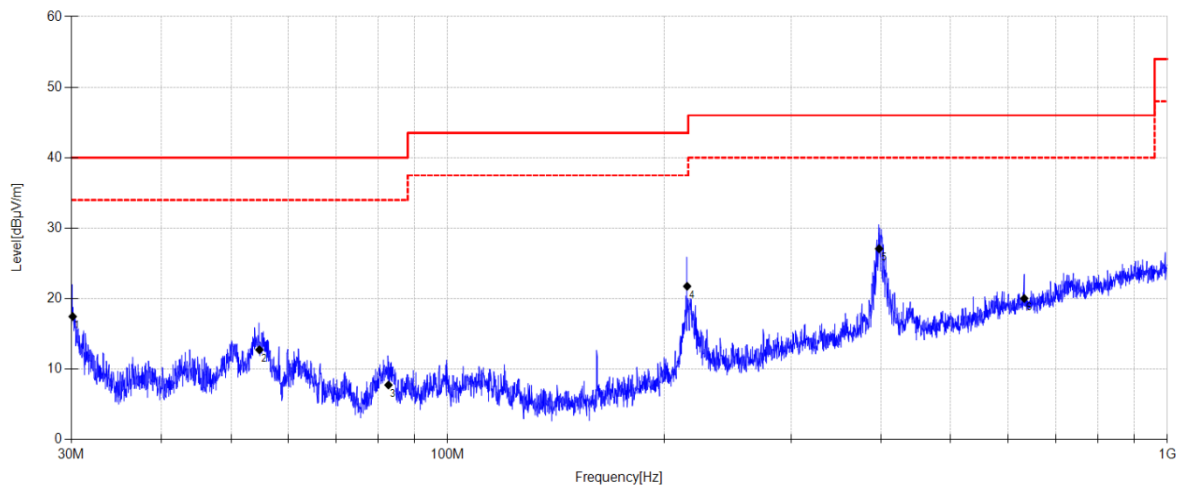
12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-10-04 **Tested By:** Lin Guoyuan
EUT: 11.6 IN-CAR SEATBACK MONITOR WITH DVD + 11.6 IN-CAR SEATBACK MONITOR **Model Number:** SB11M1
Test Mode: BLE 1M 2402 MHz TX Mode **Power Supply:** DC 12V
Condition: Temp:23.4°C;Humi:55.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25090308-3E\FCC BELOW 1G\5
Memo: Sample Numbel:S25090308-004



Final Data List

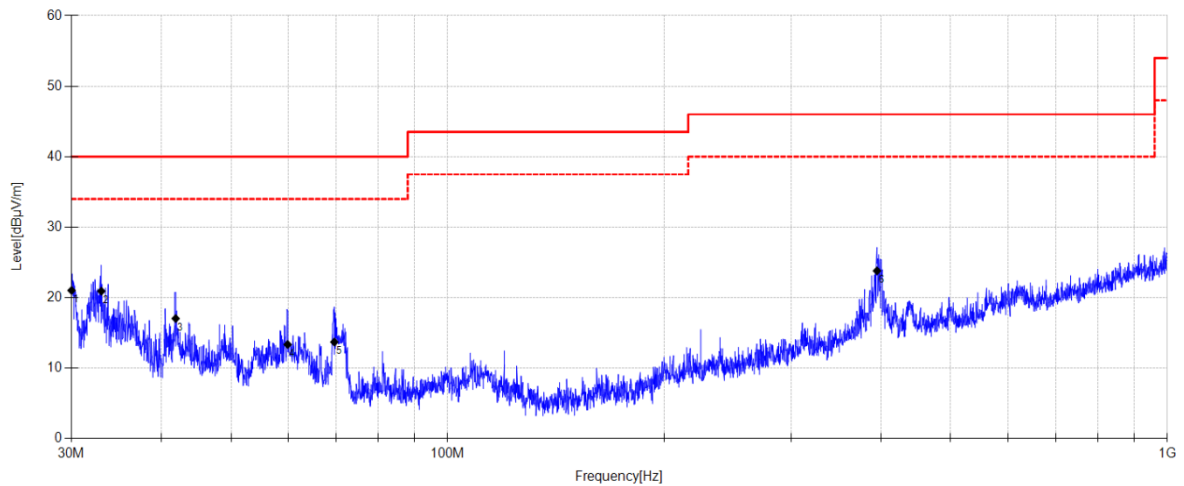
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.126	35.57	10.47	3.72	17.46	40.00	22.54	QP	Horizontal
2	54.751	28.26	12.87	3.91	12.74	40.00	27.26	QP	Horizontal
3	82.747	27.06	8.90	4.08	7.74	40.00	32.26	QP	Horizontal
4	215.183	38.28	11.30	4.57	21.75	43.50	21.75	QP	Horizontal
5	397.707	38.76	15.27	5.55	27.08	46.00	18.92	QP	Horizontal
6	632.633	27.67	18.91	6.38	20.03	46.00	25.97	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: 2025-10-04
Tested By: Lin Guoyuan
EUT: 11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR SEATBACK MONITOR
Model Number: SB11M1
Test Mode: BLE 1M 2402 MHz TX Mode
Power Supply: DC 12V
Condition: Temp:23.4°C;Humi:55.4%
Test Site: DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25090308-3E\FCC BELOW 1G\6
Memo: Sample Numbel:S25090308-004

**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	39.1	10.50	3.72	21.02	40.00	18.98	QP	Vertical
2	33.025	38.57	10.91	3.74	20.92	40.00	19.08	QP	Vertical
3	41.886	32.47	13.05	3.82	17.04	40.00	22.96	QP	Vertical
4	59.935	29.31	12.39	3.95	13.35	40.00	26.65	QP	Vertical
5	69.589	31.96	10.03	4.01	13.70	40.00	26.30	QP	Vertical
6	394.928	35.74	15.01	5.54	23.80	46.00	22.20	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:

2025-10-04

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2404 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

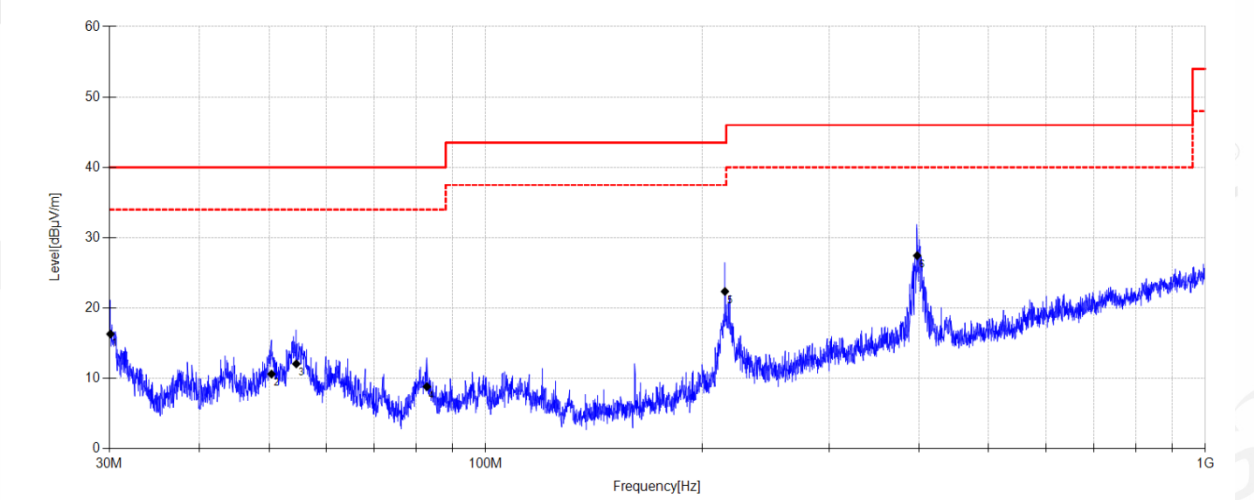
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC BELOW 1G\7

Memo:

Sample Numble:S25090308-004



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	30.105	34.41	10.48	3.72	16.31	40.00	23.69	QP	Horizontal
2	50.404	25.8	13.24	3.88	10.62	40.00	29.38	QP	Horizontal
3	54.560	27.45	13.01	3.91	12.07	40.00	27.93	QP	Horizontal
4	82.863	28.15	8.90	4.08	8.83	40.00	31.17	QP	Horizontal
5	215.032	38.89	11.30	4.57	22.36	43.50	21.14	QP	Horizontal
6	397.707	39.13	15.27	5.55	27.45	46.00	18.55	QP	Horizontal

Note:

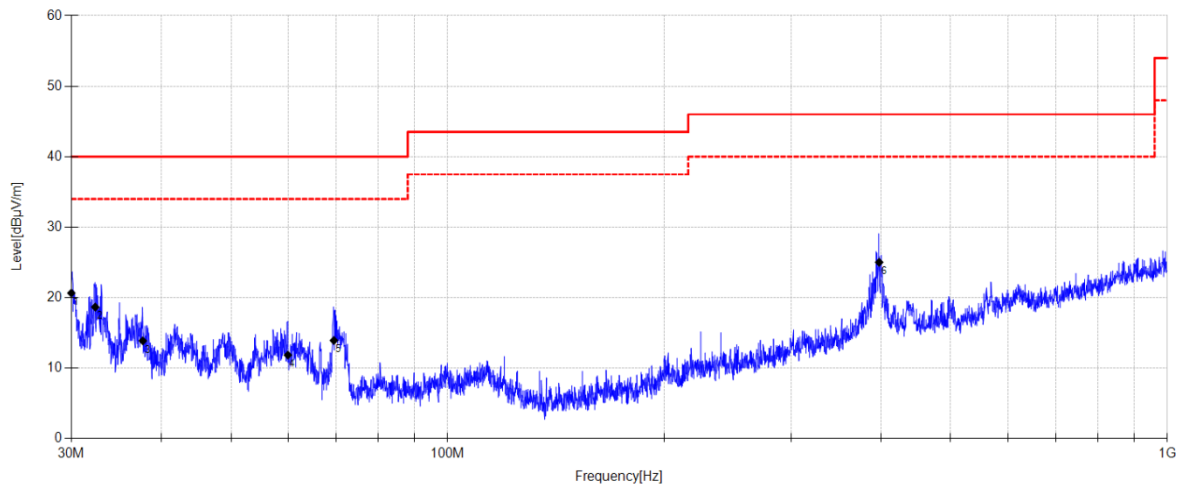
1. Result Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-10-04
Tested By: Lin Guoyuan
EUT: 11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR SEATBACK MONITOR
Model Number: SB11M1
Test Mode: BLE 2M 2404 MHz TX Mode
Power Supply: DC 12V
Condition: Temp:23.4°C;Humi:55.4%
Test Site: DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25090308-3E\FCC BELOW 1G\8
Memo: Sample Numbel:S25090308-004

**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	38.73	10.50	3.72	20.65	40.00	19.35	QP	Vertical
2	32.383	36.32	10.90	3.74	18.66	40.00	21.34	QP	Vertical
3	37.704	30.19	12.20	3.78	13.87	40.00	26.13	QP	Vertical
4	59.977	27.8	12.40	3.95	11.85	40.00	28.15	QP	Vertical
5	69.491	32.1	10.11	4.01	13.92	40.00	26.08	QP	Vertical
6	397.707	36.7	15.27	5.55	25.02	46.00	20.98	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2402 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

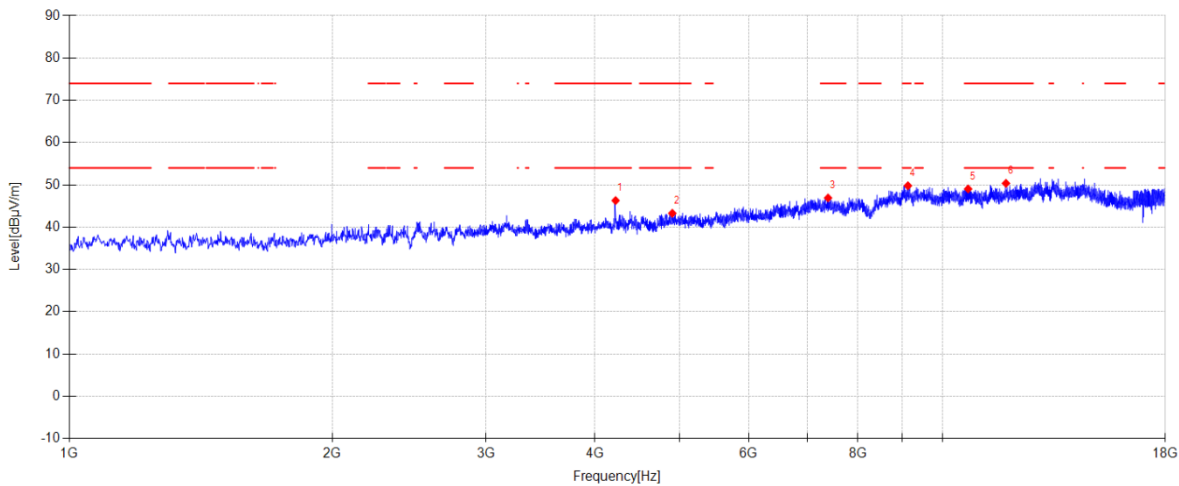
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\5

Memo:

Sample Numbler:S25090308-004



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	4223.200	50.77	31.09	4.15	-39.72	46.29	74.00	27.71	PK	Horizontal
2	4904.900	45.47	33.10	4.49	-39.79	43.27	74.00	30.73	PK	Horizontal
3	7395.400	44.64	36.73	5.40	-39.86	46.91	74.00	27.09	PK	Horizontal
4	9129.400	43.55	38.59	6.40	-38.74	49.80	74.00	24.20	PK	Horizontal
5	10700.200	42.69	39.50	6.48	-39.63	49.04	74.00	24.96	PK	Horizontal
6	11823.900	44.43	38.58	6.96	-39.60	50.37	74.00	23.63	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2402 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

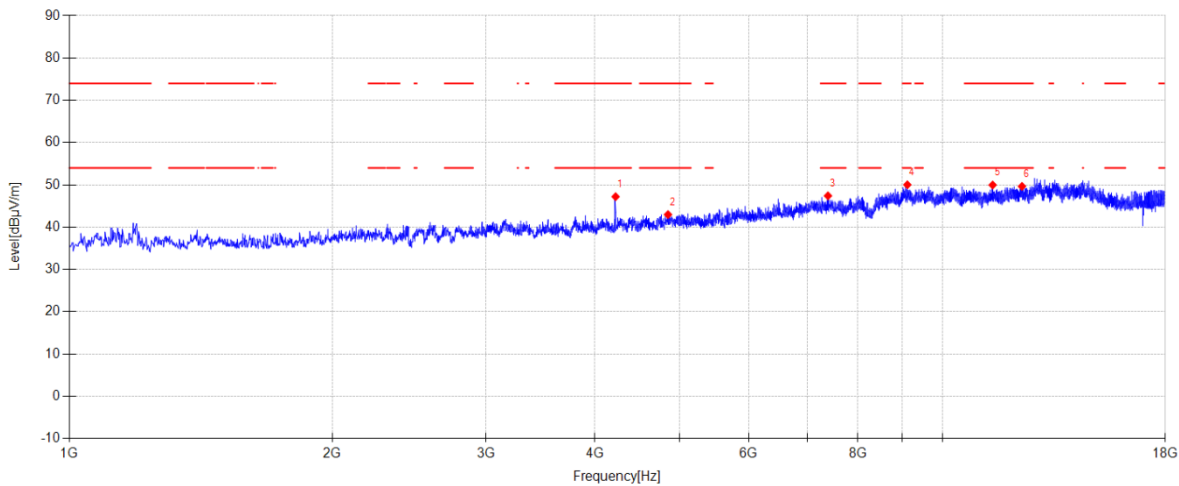
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\6

Memo:

Sample Numbre:S25090308-004



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	4223.200	51.69	31.09	4.15	-39.72	47.21	74.00	26.79	PK	Vertical
2	4848.800	45.41	32.88	4.46	-39.78	42.97	74.00	31.03	PK	Vertical
3	7393.700	45.13	36.74	5.40	-39.86	47.41	74.00	26.59	PK	Vertical
4	9115.800	44.03	38.32	6.40	-38.73	50.02	74.00	23.98	PK	Vertical
5	11415.900	43.23	39.64	6.70	-39.60	49.97	74.00	24.03	PK	Vertical
6	12333.900	42.76	39.30	6.92	-39.33	49.65	74.00	24.35	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2440 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

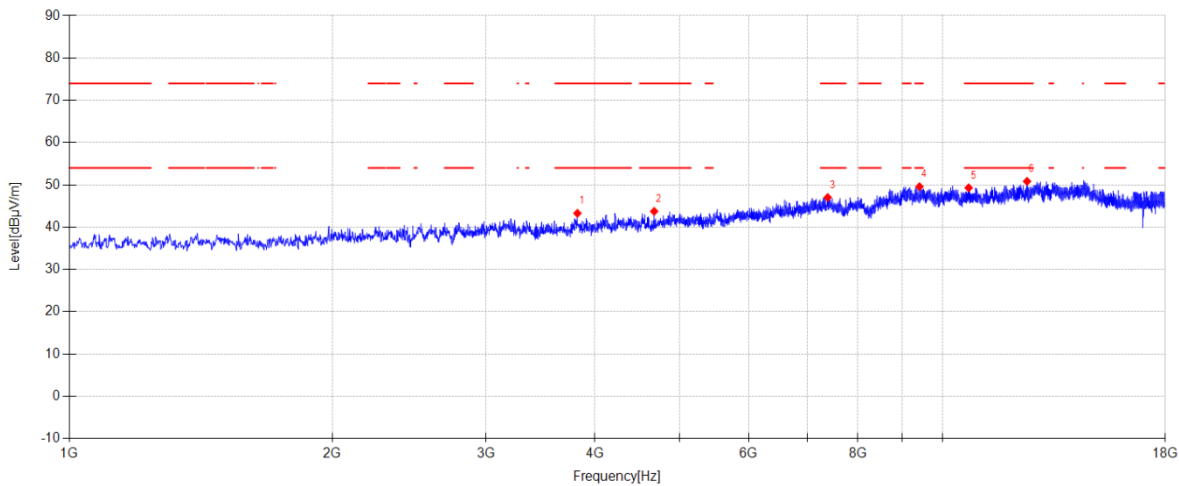
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\3

Memo:

Sample Numbel:S25090308-004



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	3818.600	48.15	30.68	4.07	-39.63	43.27	74.00	30.73	PK	Horizontal
2	4675.400	47.63	31.50	4.38	-39.77	43.74	74.00	30.26	PK	Horizontal
3	7388.600	44.73	36.77	5.39	-39.86	47.03	74.00	26.97	PK	Horizontal
4	9411.600	43.58	38.58	6.47	-39.05	49.58	74.00	24.42	PK	Horizontal
5	10715.500	43.03	39.42	6.48	-39.63	49.30	74.00	24.70	PK	Horizontal
6	12498.800	43.50	39.69	6.85	-39.20	50.84	74.00	23.16	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2440 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

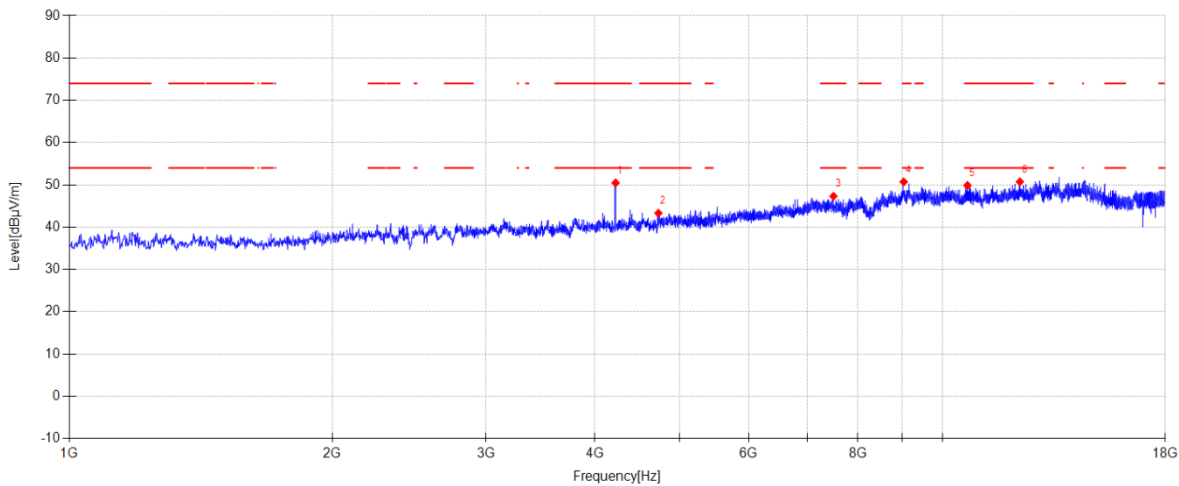
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\4

Memo:

Sample Numbre:S25090308-004



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	4223.200	54.95	31.09	4.15	-39.72	50.47	74.00	23.53	PK	Vertical
2	4728.100	46.88	31.81	4.40	-39.77	43.32	74.00	30.68	PK	Vertical
3	7502.500	44.87	36.87	5.43	-39.85	47.32	74.00	26.68	PK	Vertical
4	9027.400	44.24	38.72	6.38	-38.63	50.71	74.00	23.29	PK	Vertical
5	10683.200	43.56	39.45	6.49	-39.63	49.87	74.00	24.13	PK	Vertical
6	12265.900	43.84	39.33	6.95	-39.39	50.73	74.00	23.27	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2480 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

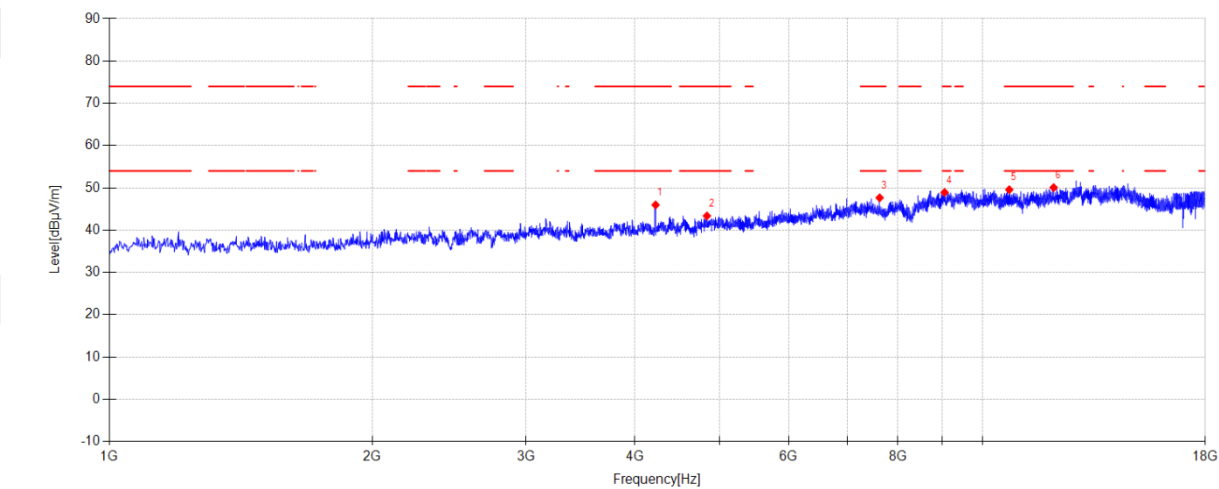
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\1

Memo:

Sample Numbel:S25090308-004



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	4223.200	50.44	31.09	4.15	-39.72	45.96	74.00	28.04	PK	Horizontal
2	4835.200	46.02	32.66	4.46	-39.78	43.36	74.00	30.64	PK	Horizontal
3	7624.900	45.43	36.60	5.46	-39.84	47.65	74.00	26.35	PK	Horizontal
4	9049.500	42.29	38.90	6.38	-38.65	48.92	74.00	25.08	PK	Horizontal
5	10732.500	43.38	39.34	6.48	-39.63	49.57	74.00	24.43	PK	Horizontal
6	12065.300	43.26	39.33	7.04	-39.55	50.08	74.00	23.92	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2480 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

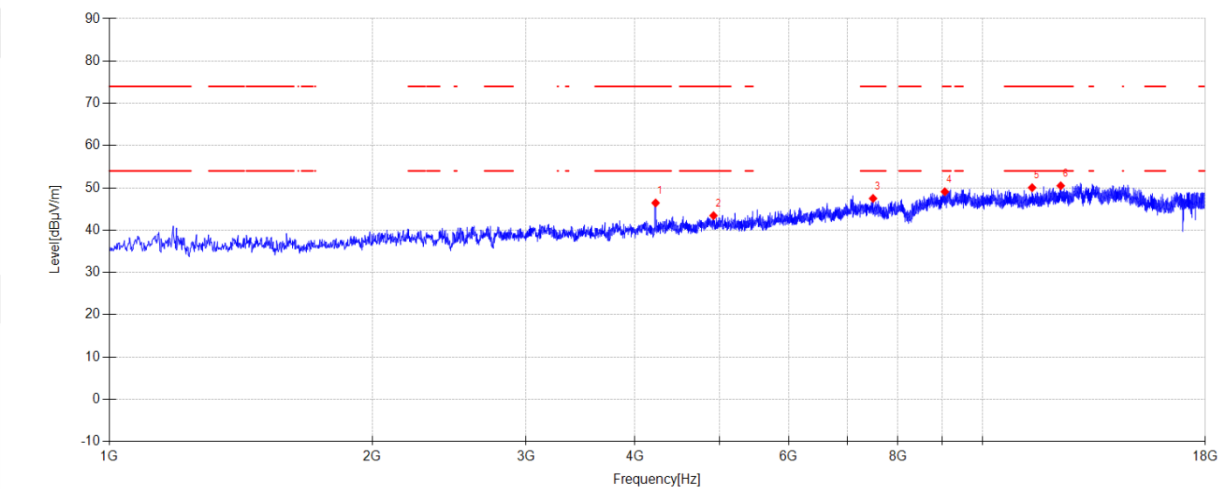
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\2

Memo:

Sample Numbre:S25090308-004



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	4223.200	50.91	31.09	4.15	-39.72	46.43	74.00	27.57	PK	Vertical
2	4920.200	45.62	33.10	4.50	-39.79	43.43	74.00	30.57	PK	Vertical
3	7494.000	45.07	36.86	5.42	-39.85	47.50	74.00	26.50	PK	Vertical
4	9056.300	42.58	38.79	6.38	-38.66	49.09	74.00	24.91	PK	Vertical
5	11398.900	43.17	39.79	6.69	-39.60	50.05	74.00	23.95	PK	Vertical
6	12293.100	43.54	39.39	6.94	-39.37	50.50	74.00	23.50	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2404 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

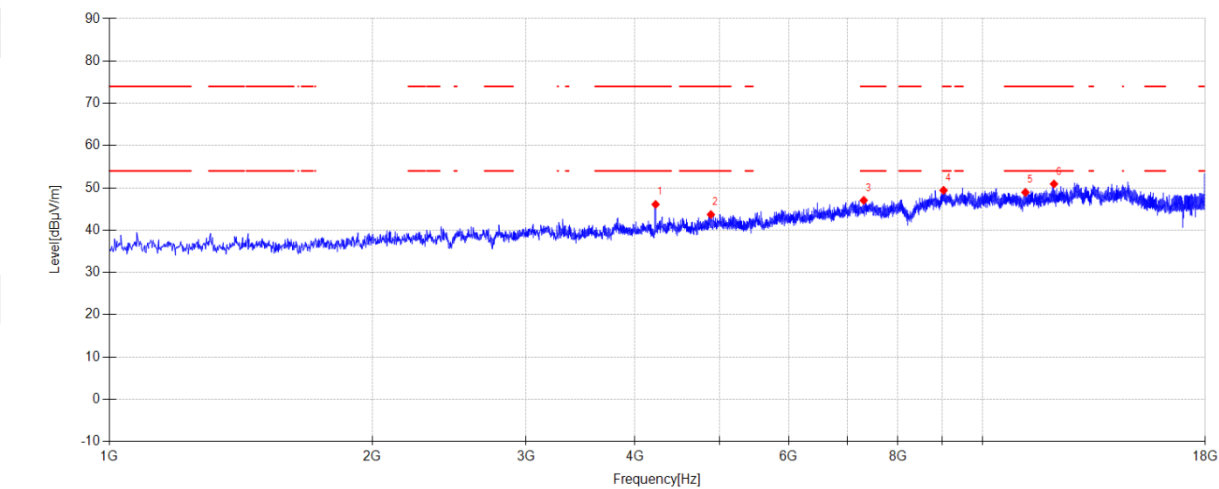
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\7

Memo:

Sample Numbre:S25090308-004



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	4223.200	50.57	31.09	4.15	-39.72	46.09	74.00	27.91	PK	Horizontal
2	4886.200	45.96	33.04	4.48	-39.79	43.69	74.00	30.31	PK	Horizontal
3	7312.100	44.55	37.00	5.37	-39.87	47.05	74.00	26.95	PK	Horizontal
4	9025.700	42.95	38.71	6.38	-38.63	49.41	74.00	24.59	PK	Horizontal
5	11200.000	43.17	38.80	6.56	-39.60	48.93	74.00	25.07	PK	Horizontal
6	12075.500	44.04	39.38	7.04	-39.54	50.92	74.00	23.08	PK	Horizontal

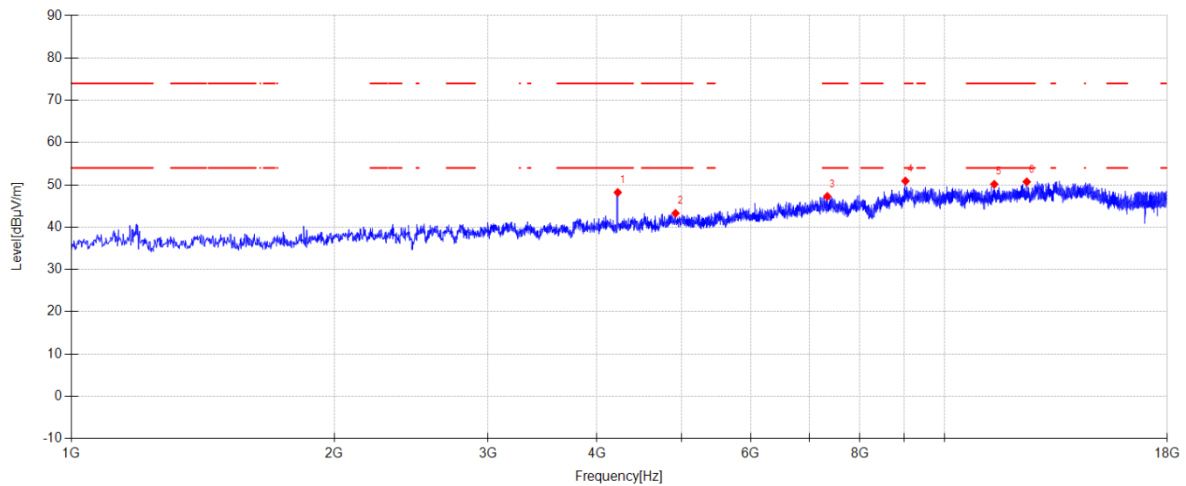
Note:

- 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: 2025-10-03
EUT: 11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR SEATBACK MONITOR
Test Mode: BLE 2M 2404 MHz TX Mode
Condition: Temp:23.4°C;Humi:55.4%
File Path: d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\8
Memo: Sample Numbel:S25090308-004

Tested By: Lin Guoyuan
Model Number: SB11M1
Power Supply: DC 12V
Test Site: DDT 3# Chamber



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	4224.900	52.68	31.10	4.15	-39.72	48.21	74.00	25.79	PK	Vertical
2	4920.200	45.46	33.10	4.50	-39.79	43.27	74.00	30.73	PK	Vertical
3	7342.700	44.76	37.00	5.38	-39.87	47.27	74.00	26.73	PK	Vertical
4	9022.300	44.47	38.68	6.38	-38.62	50.91	74.00	23.09	PK	Vertical
5	11404.000	43.30	39.76	6.69	-39.60	50.15	74.00	23.85	PK	Vertical
6	12424.000	43.87	39.24	6.88	-39.26	50.73	74.00	23.27	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2440 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

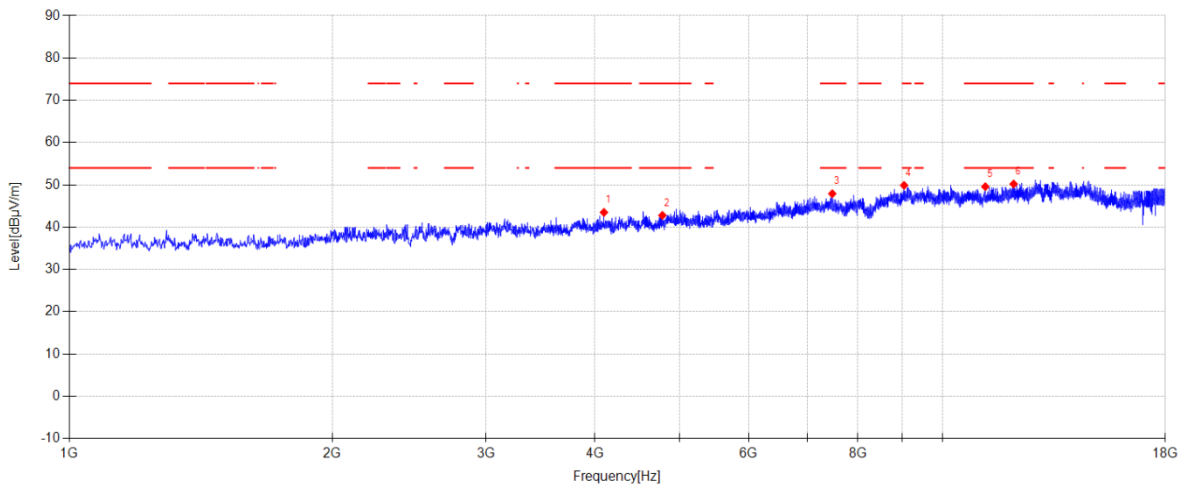
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\9

Memo:

Sample Numbler:S25090308-004



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	4095.700	48.00	31.11	4.09	-39.71	43.49	74.00	30.51	PK	Horizontal
2	4777.400	45.98	32.15	4.43	-39.78	42.78	74.00	31.22	PK	Horizontal
3	7478.700	45.57	36.77	5.42	-39.85	47.91	74.00	26.09	PK	Horizontal
4	9037.600	43.35	38.80	6.38	-38.64	49.89	74.00	24.11	PK	Horizontal
5	11196.600	43.82	38.80	6.56	-39.60	49.58	74.00	24.42	PK	Horizontal
6	12065.300	43.39	39.33	7.04	-39.55	50.21	74.00	23.79	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2440 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

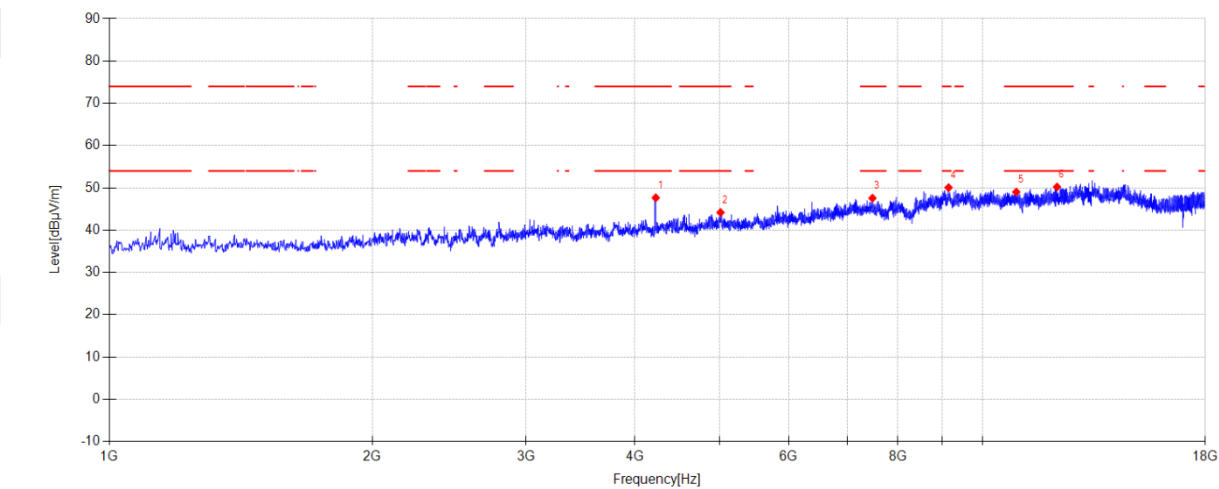
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\10

Memo:

Sample Numbler:S25090308-004



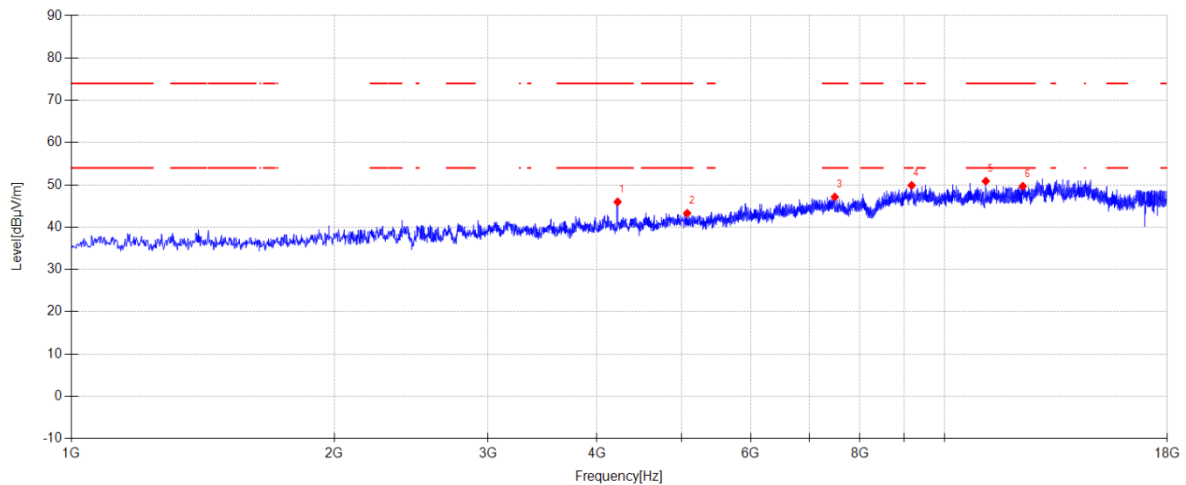
Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4224.900	52.14	31.10	4.15	-39.72	47.67	74.00	26.33	PK	Vertical
2	5012.000	46.41	33.02	4.55	-39.80	44.18	74.00	29.82	PK	Vertical
3	7482.100	45.21	36.79	5.42	-39.85	47.57	74.00	26.43	PK	Vertical
4	9144.700	43.53	38.89	6.40	-38.76	50.06	74.00	23.94	PK	Vertical
5	10933.100	42.57	39.63	6.44	-39.61	49.03	74.00	24.97	PK	Vertical
6	12174.100	43.41	39.28	6.99	-39.46	50.22	74.00	23.78	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: 2025-10-03 **Tested By:** Lin Guoyuan
EUT: 11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR SEATBACK MONITOR **Model Number:** SB11M1
Test Mode: BLE 2M 2478 MHz TX Mode **Power Supply:** DC 12V
Condition: Temp:23.4°C;Humi:55.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\11
Memo: Sample Numbler:S25090308-004



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	4223.200	50.46	31.09	4.15	-39.72	45.98	74.00	28.02	PK	Horizontal
2	5073.200	45.68	32.82	4.58	-39.79	43.29	74.00	30.71	PK	Horizontal
3	7488.900	44.74	36.83	5.42	-39.85	47.14	74.00	26.86	PK	Horizontal
4	9171.900	43.51	38.74	6.41	-38.79	49.87	74.00	24.13	PK	Horizontal
5	11152.400	45.10	38.85	6.53	-39.60	50.88	74.00	23.12	PK	Horizontal
6	12294.800	42.71	39.39	6.94	-39.36	49.68	74.00	24.32	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2478 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

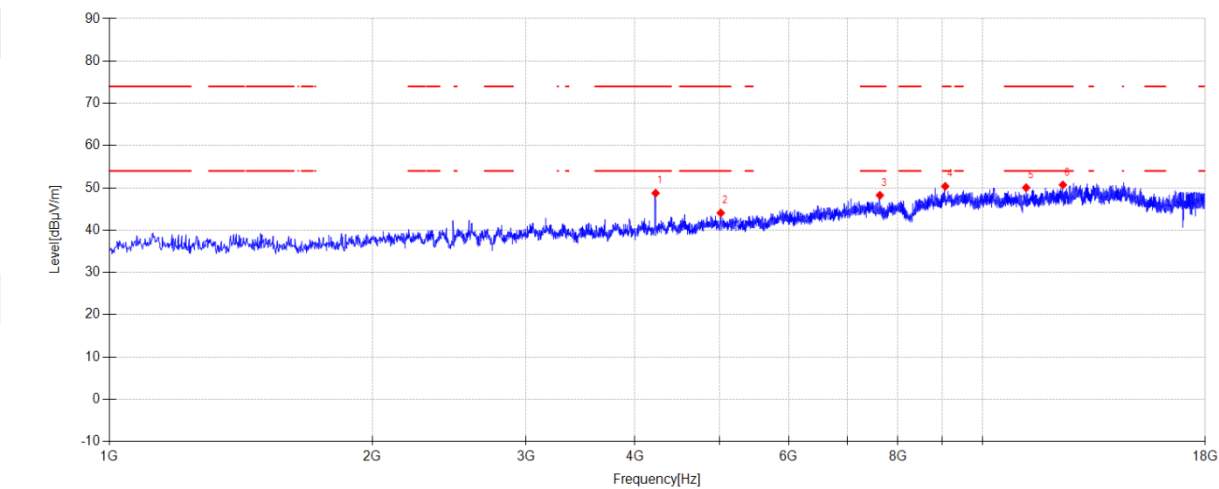
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\12

Memo:

Sample Numbler:S25090308-004



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	4223.200	53.23	31.09	4.15	-39.72	48.75	74.00	25.25	PK	Vertical
2	5015.400	46.28	33.03	4.55	-39.80	44.06	74.00	29.94	PK	Vertical
3	7630.000	45.94	36.68	5.46	-39.84	48.24	74.00	25.76	PK	Vertical
4	9064.800	44.01	38.63	6.39	-38.67	50.36	74.00	23.64	PK	Vertical
5	11222.100	44.32	38.76	6.57	-39.60	50.05	74.00	23.95	PK	Vertical
6	12362.800	43.90	39.21	6.91	-39.31	50.71	74.00	23.29	PK	Vertical

Note:

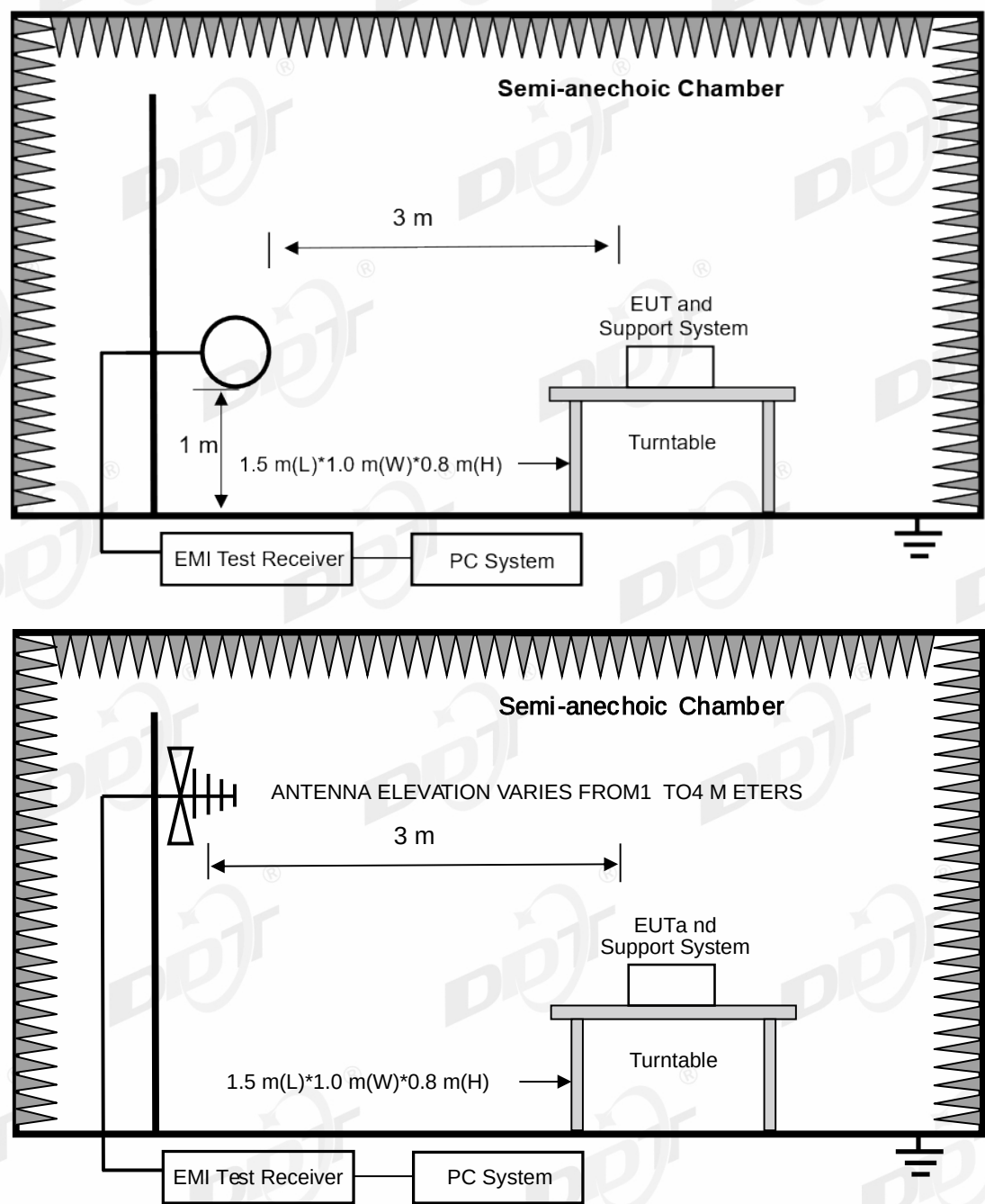
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

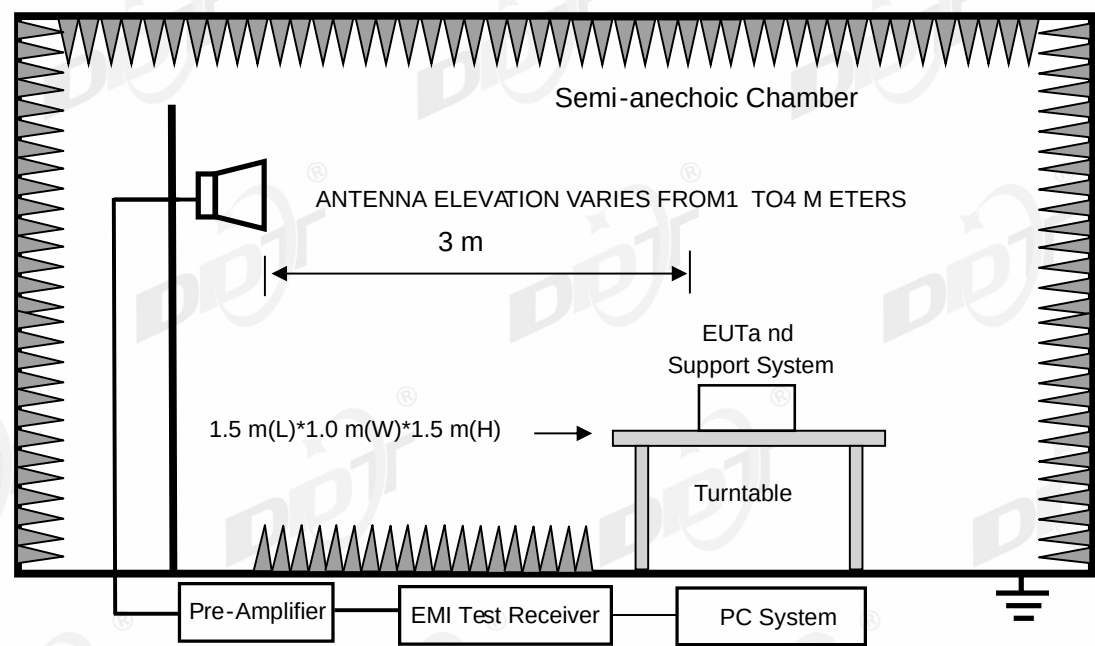
13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
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	2026/03/28
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
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
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	SCHWARZBECK	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 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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2402 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

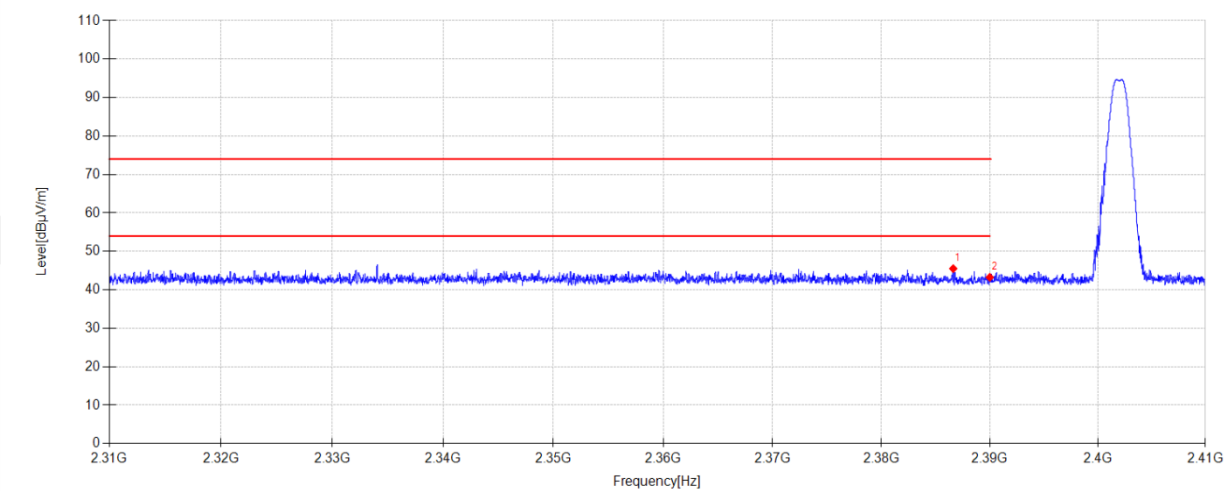
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\17

Memo:

Sample Numbler:S25090308-004



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	2386.620	13.61	27.48	4.43	0.00	45.52	74.00	28.48	PK	Horizontal
2	2390.000	11.36	27.46	4.43	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2402 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

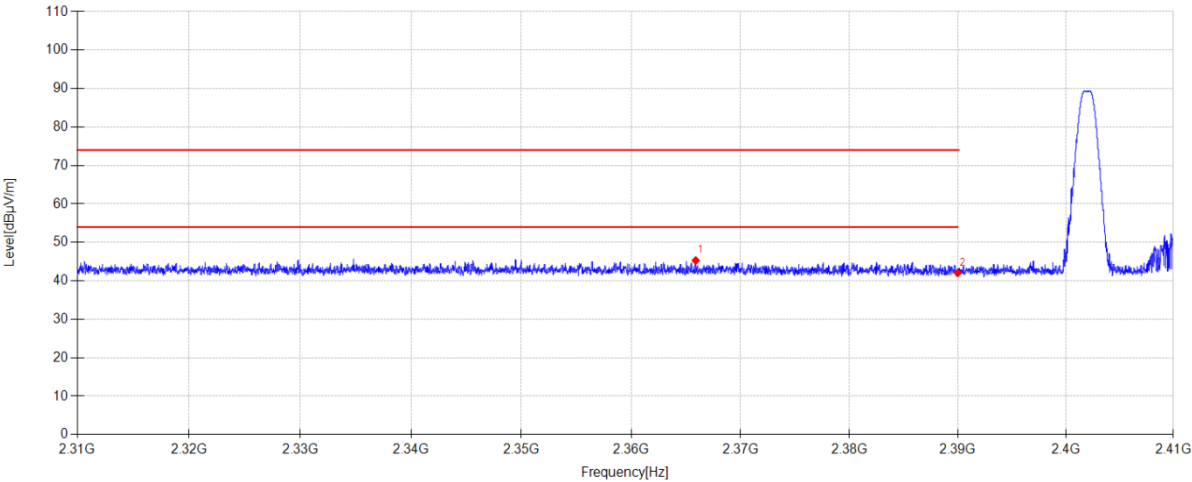
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\18

Memo:

Sample Numbler:S25090308-004



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	2365.900	13.26	27.60	4.43	0.00	45.29	74.00	28.71	PK	Vertical
2	2390.000	10.16	27.46	4.43	0.00	42.05	74.00	31.95	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2480 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

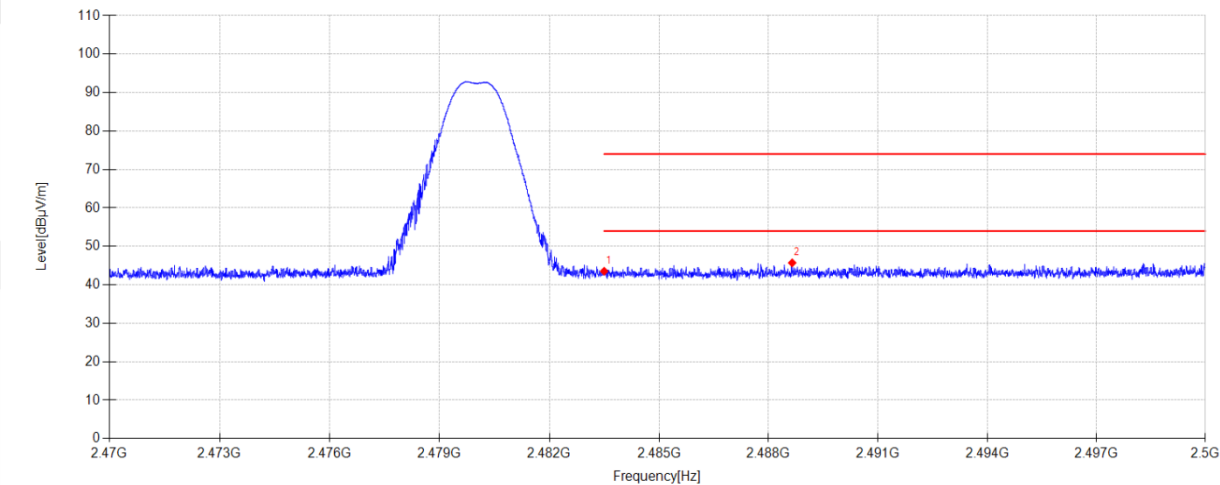
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\15

Memo:

Sample Numbel:S25090308-004



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	11.59	27.54	4.40	0.00	43.53	74.00	30.47	PK	Horizontal
2	2488.648	13.74	27.59	4.39	0.00	45.72	74.00	28.28	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 1M 2480 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

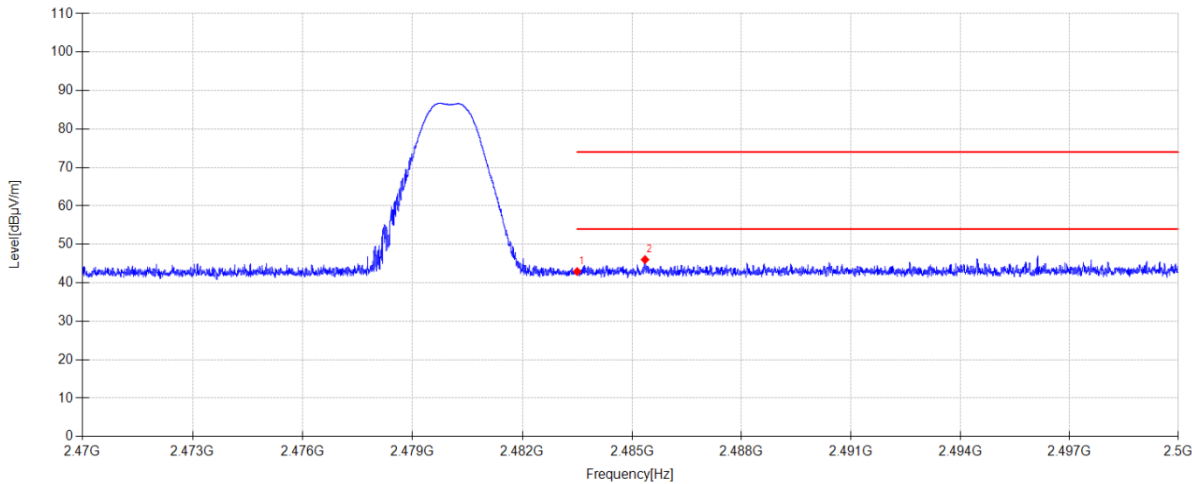
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\16

Memo:

Sample Numbler:S25090308-004



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	11.00	27.54	4.40	0.00	42.94	74.00	31.06	PK	Vertical
2	2485.357	14.10	27.55	4.39	0.00	46.04	74.00	27.96	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2404 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

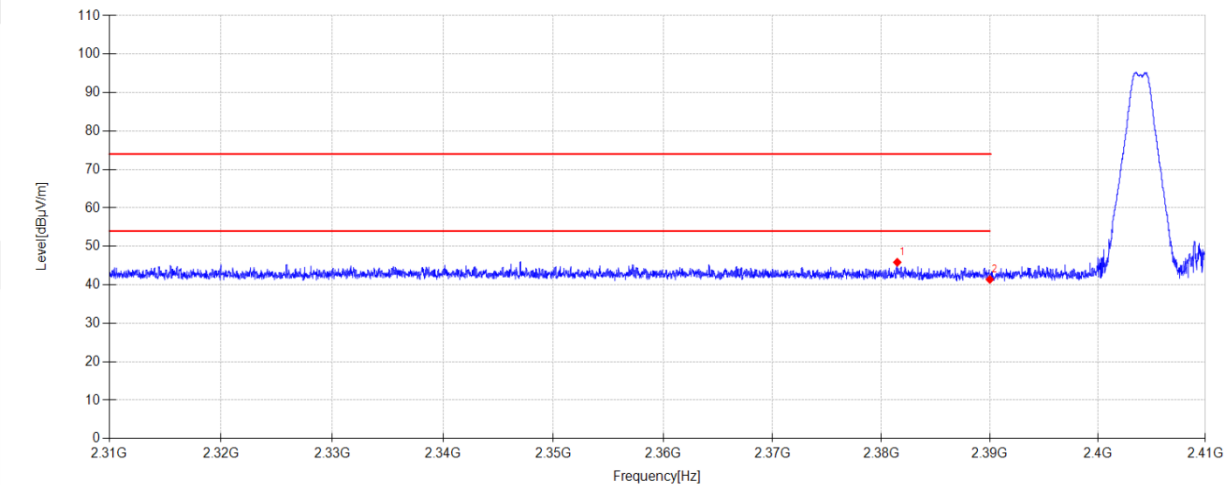
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\19

Memo:

Sample Numbre:S25090308-004



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	2381.460	13.92	27.51	4.43	0.00	45.86	74.00	28.14	PK	Horizontal
2	2390.000	9.50	27.46	4.43	0.00	41.39	74.00	32.61	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2404 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

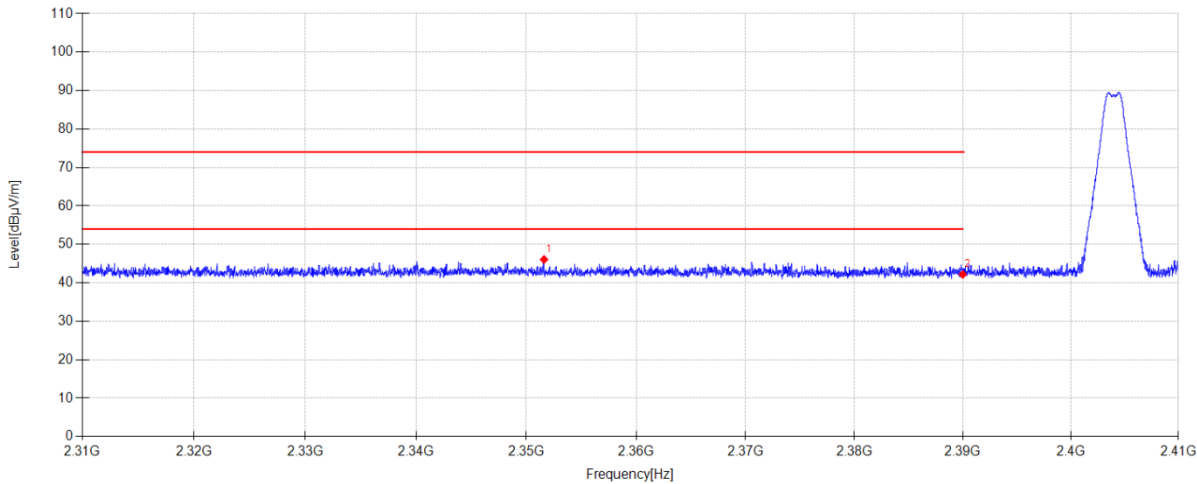
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\20

Memo:

Sample Numbel:S25090308-004



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	2351.610	13.95	27.69	4.44	0.00	46.08	74.00	27.92	PK	Vertical
2	2390.000	10.30	27.46	4.43	0.00	42.19	74.00	31.81	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2478 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

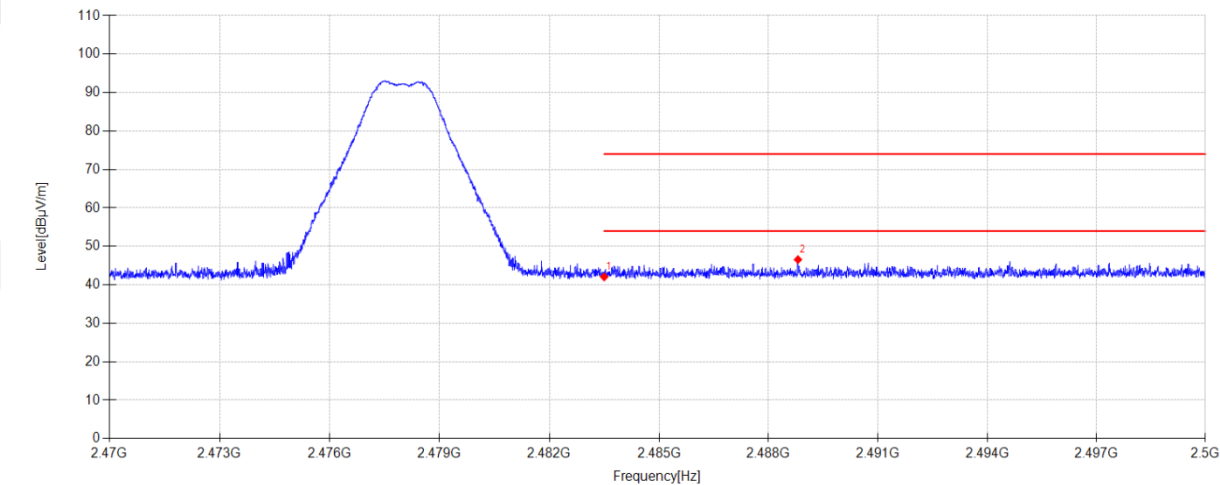
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\13

Memo:

Sample Numbel:S25090308-004



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	10.13	27.54	4.40	0.00	42.07	74.00	31.93	PK	Horizontal
2	2488.807	14.58	27.59	4.39	0.00	46.56	74.00	27.44	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:

2025-10-03

Tested By:

Lin Guoyuan

EUT:

11.6 IN-CAR SEATBACK MONITOR
WITH DVD + 11.6 IN-CAR
SEATBACK MONITOR

Model Number:

SB11M1

Test Mode:

BLE 2M 2478 MHz TX Mode

Power Supply:

DC 12V

Condition:

Temp:23.4°C;Humi:55.4%

Test Site:

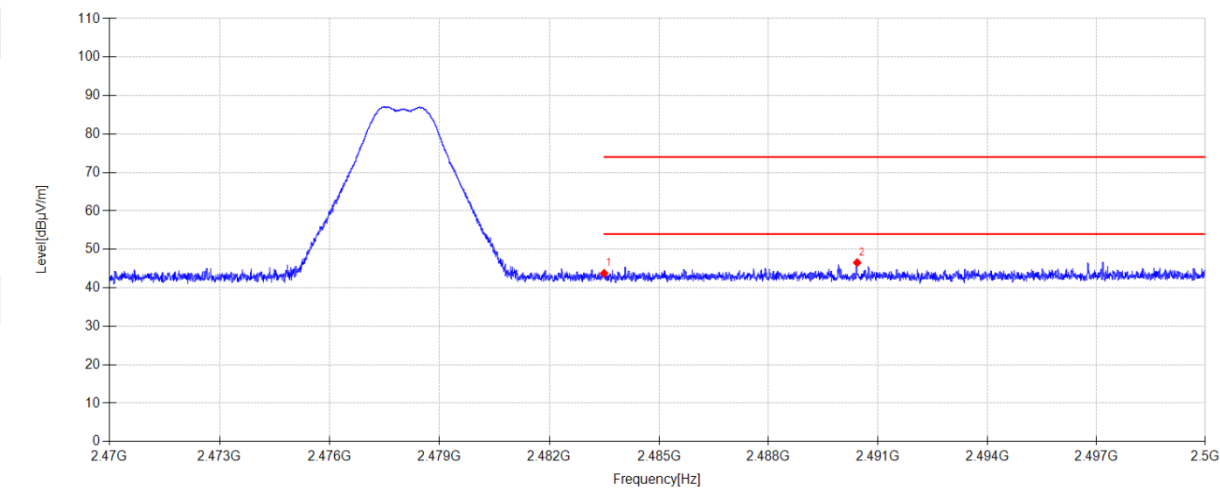
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090308-3E\FCC Above 1G BLE\14

Memo:

Sample Numbel:S25090308-004



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	11.83	27.54	4.40	0.00	43.77	74.00	30.23	PK	Vertical
2	2490.430	14.56	27.60	4.39	0.00	46.55	74.00	27.45	PK	Vertical

Note:

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

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

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

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
/	/	/	/	/

14.2. Block diagram of test setup

14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level 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

Not applicable. EUT is DC powered.

16. Photos of the EUT

Please refer to DDT-Q25090308-3E appendix I

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