

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11A 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

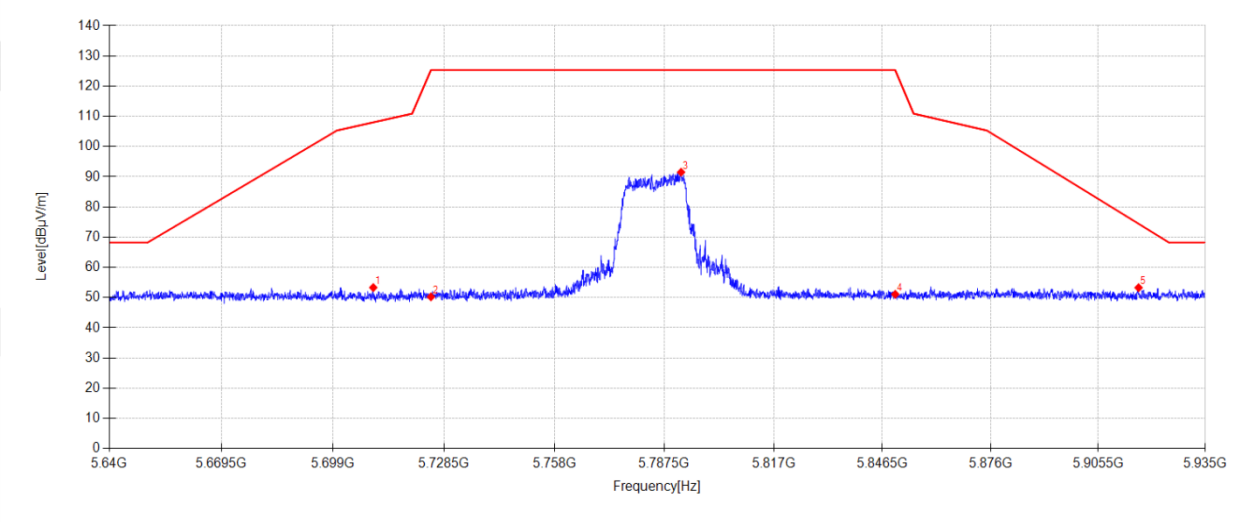
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\56

Memo:

Sample Numbler:S25060926-001



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	5709.679	45.30	33.24	4.43	-29.66	53.31	108.01	54.70	PK	Vertical
2	5725.000	42.00	33.45	4.44	-29.65	50.24	125.30	75.06	PK	Vertical
3	5792.014	82.78	33.88	4.48	-29.64	91.50	125.30	33.80	PK	Vertical
4	5850.000	42.30	33.90	4.51	-29.63	51.08	125.30	74.22	PK	Vertical
5	5916.592	44.01	34.33	4.55	-29.62	53.27	74.44	21.17	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11A 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

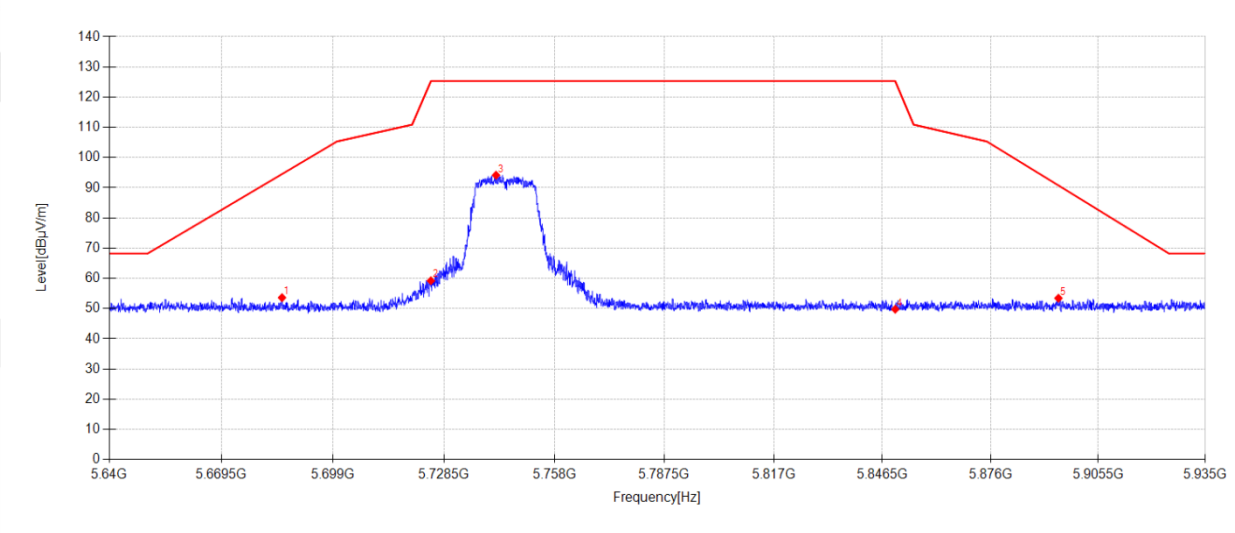
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\57

Memo:

Sample Numbler:S25060926-001



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	5685.489	45.63	33.22	4.42	-29.66	53.61	94.53	40.92	PK	Horizontal
2	5725.000	50.97	33.45	4.44	-29.65	59.21	125.30	66.09	PK	Horizontal
3	5742.365	85.66	33.69	4.45	-29.65	94.15	125.30	31.15	PK	Horizontal
4	5850.000	40.99	33.90	4.51	-29.63	49.77	125.30	75.53	PK	Horizontal
5	5894.585	44.26	34.26	4.54	-29.62	53.44	90.77	37.33	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11A 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

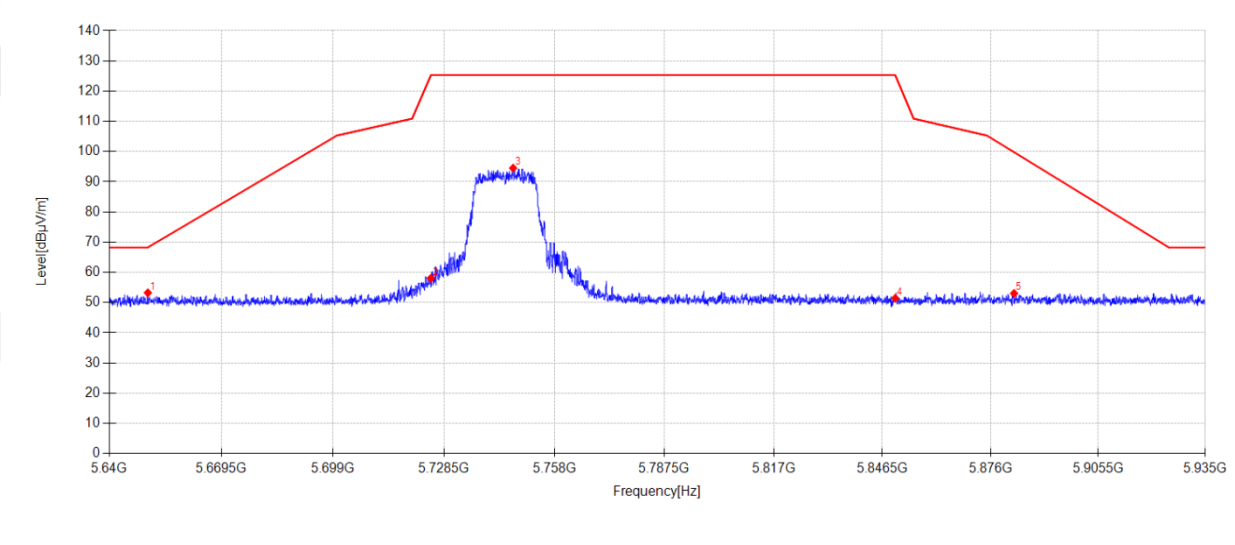
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\58

Memo:

Sample Numbler:S25060926-001



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	5650.119	45.00	33.50	4.40	-29.67	53.23	68.29	15.06	PK	Vertical
2	5725.000	49.80	33.45	4.44	-29.65	58.04	125.30	67.26	PK	Vertical
3	5746.938	85.97	33.76	4.45	-29.65	94.53	125.30	30.77	PK	Vertical
4	5850.000	42.66	33.90	4.51	-29.63	51.44	125.30	73.86	PK	Vertical
5	5882.431	43.95	34.16	4.53	-29.62	53.02	99.79	46.77	PK	Vertical

Note:

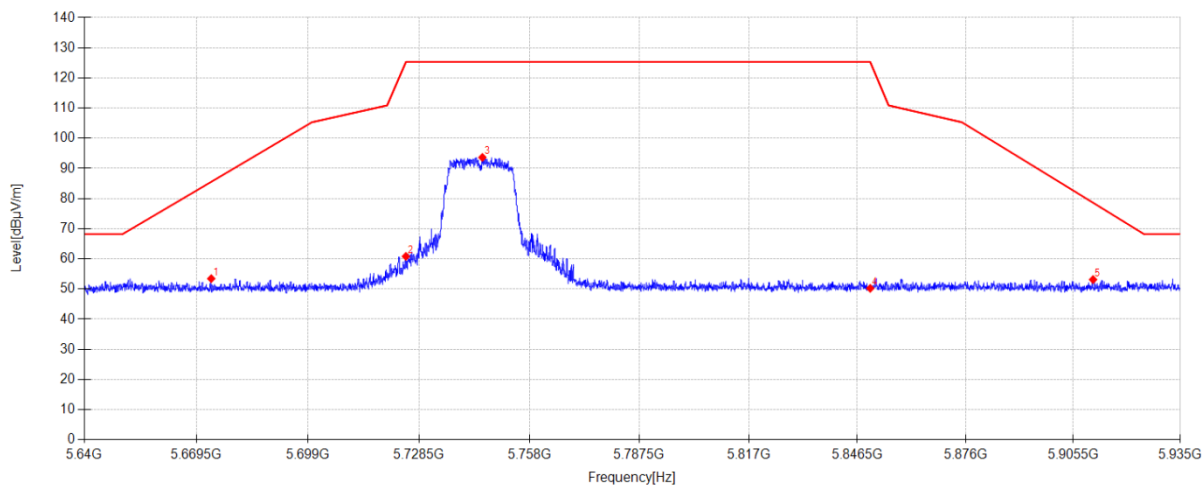
1. Level = Reading + Cable loss + Antenna Factor + AMP

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.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-10-01 **Tested By:** Nan Zhong
EUT: In-vehicle Multimedia Host **Model Number:** MTD421-B2
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.2°C;Humi:56.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\61
Memo: Sample Numbler:S25060926-001

**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	5673.394	45.40	33.31	4.41	-29.67	53.45	85.56	32.11	PK	Horizontal
2	5725.000	52.57	33.45	4.44	-29.65	60.81	125.30	64.49	PK	Horizontal
3	5745.404	85.11	33.74	4.45	-29.65	93.65	125.30	31.65	PK	Horizontal
4	5850.000	41.45	33.90	4.51	-29.63	50.23	125.30	75.07	PK	Horizontal
5	5910.958	43.88	34.32	4.55	-29.62	53.13	78.62	25.49	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

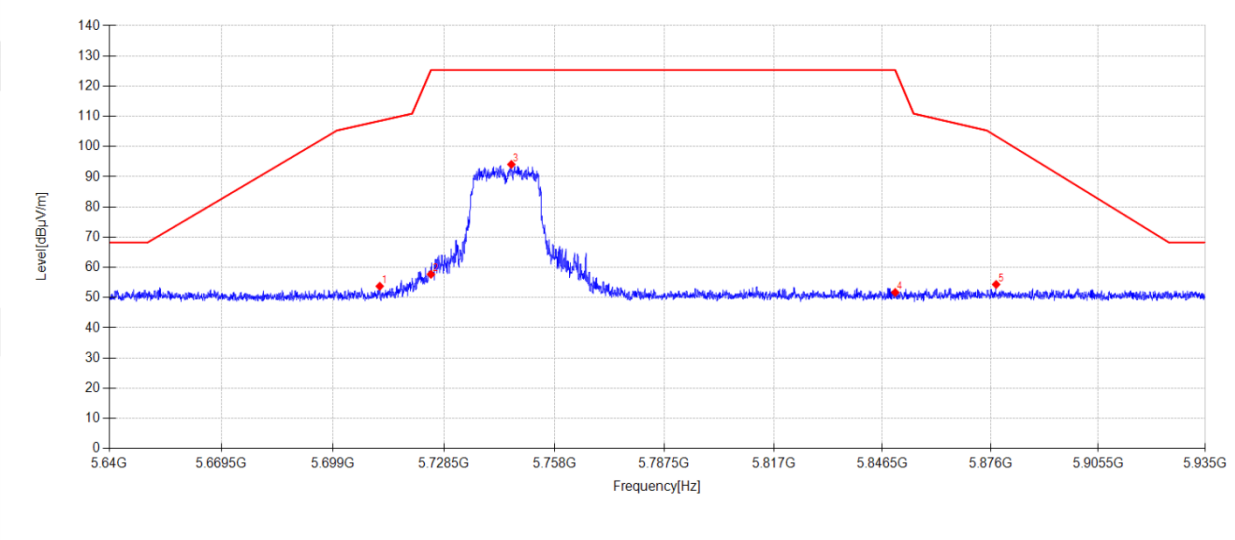
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\62

Memo:

Sample Numbler:S25060926-001



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	5711.390	45.72	33.26	4.43	-29.66	53.75	108.49	54.74	PK	Vertical
2	5725.000	49.46	33.45	4.44	-29.65	57.70	125.30	67.60	PK	Vertical
3	5746.466	85.54	33.75	4.45	-29.65	94.09	125.30	31.21	PK	Vertical
4	5850.000	42.92	33.90	4.51	-29.63	51.70	125.30	73.60	PK	Vertical
5	5877.534	45.31	34.12	4.53	-29.62	54.34	103.42	49.08	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

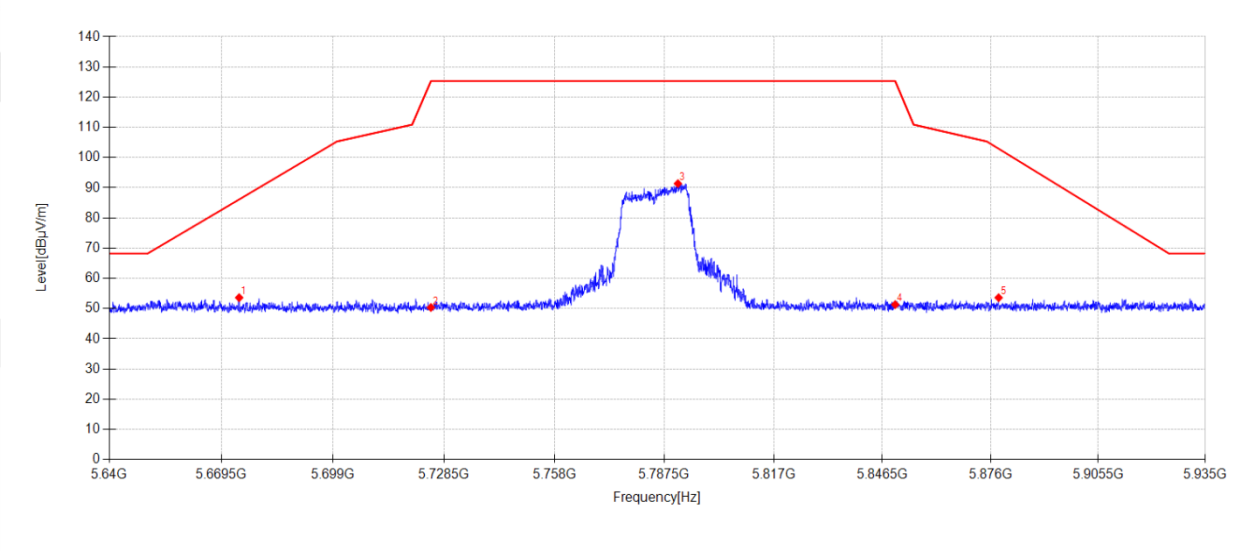
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\63

Memo:

Sample Numbler:S25060926-001



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	5674.161	45.57	33.31	4.41	-29.67	53.62	86.13	32.51	PK	Horizontal
2	5725.000	42.12	33.45	4.44	-29.65	50.36	125.30	74.94	PK	Horizontal
3	5791.158	82.64	33.88	4.48	-29.64	91.36	125.30	33.94	PK	Horizontal
4	5850.000	42.53	33.90	4.51	-29.63	51.31	125.30	73.99	PK	Horizontal
5	5878.213	44.56	34.13	4.53	-29.62	53.60	102.92	49.32	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

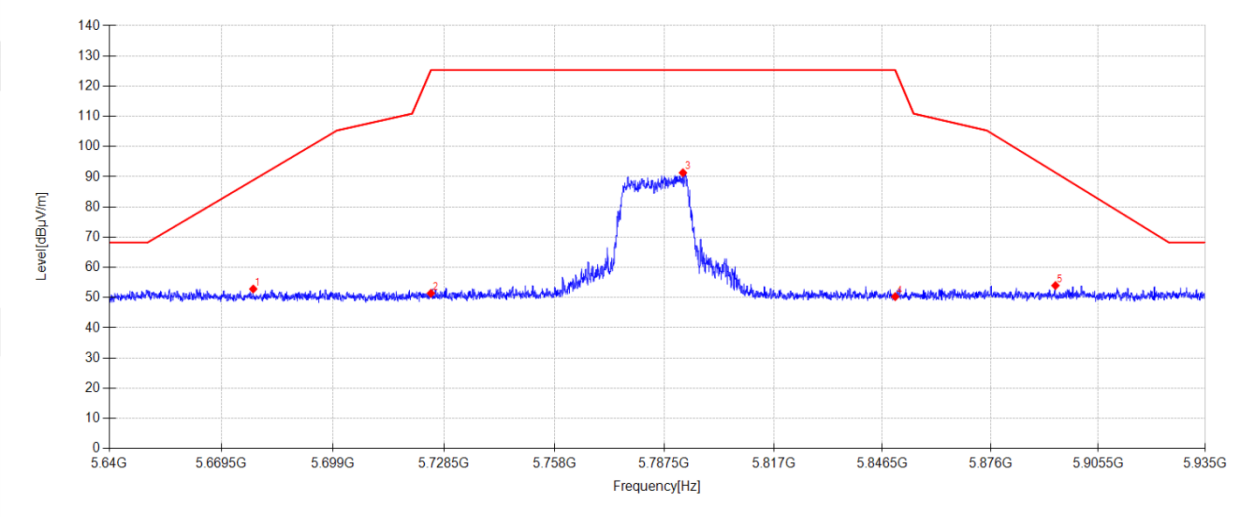
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\64

Memo:

Sample Numbler:S25060926-001



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	5677.878	44.81	33.28	4.41	-29.66	52.84	88.89	36.05	PK	Vertical
2	5725.000	43.18	33.45	4.44	-29.65	51.42	125.30	73.88	PK	Vertical
3	5792.515	82.59	33.89	4.48	-29.64	91.32	125.30	33.98	PK	Vertical
4	5850.000	41.53	33.90	4.51	-29.63	50.31	125.30	74.99	PK	Vertical
5	5893.759	44.81	34.25	4.54	-29.62	53.98	91.38	37.40	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

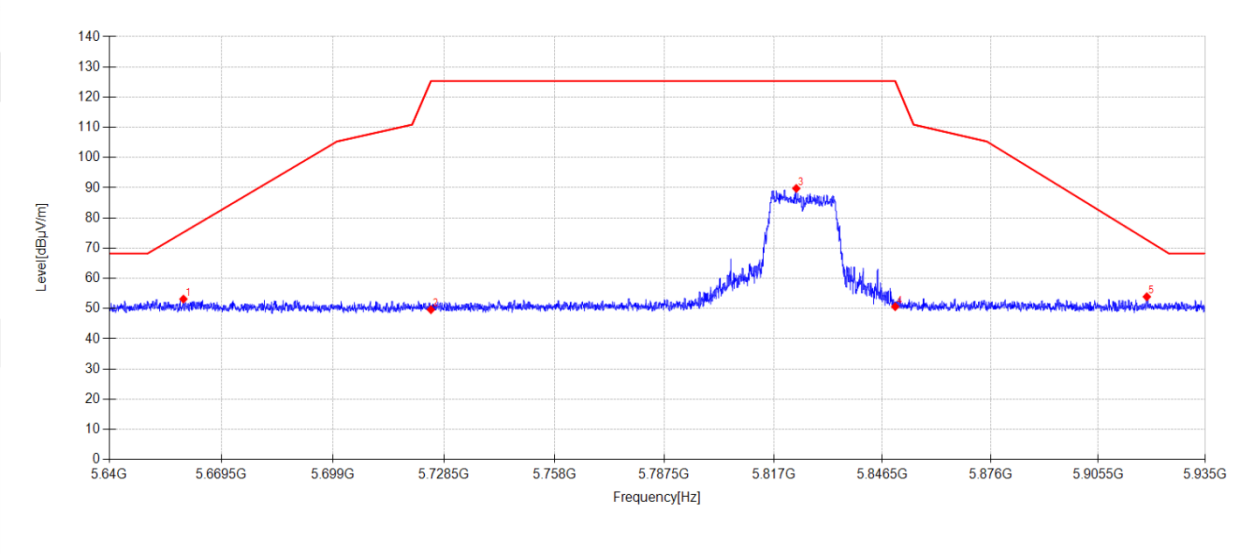
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\65

Memo:

Sample Numbler:S25060926-001



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	5659.470	45.00	33.42	4.40	-29.67	53.15	75.23	22.08	PK	Horizontal
2	5725.000	41.39	33.45	4.44	-29.65	49.63	125.30	75.67	PK	Horizontal
3	5823.136	81.02	33.90	4.50	-29.64	89.78	125.30	35.52	PK	Horizontal
4	5850.000	41.85	33.90	4.51	-29.63	50.63	125.30	74.67	PK	Horizontal
5	5918.864	44.65	34.34	4.55	-29.62	53.92	72.75	18.83	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

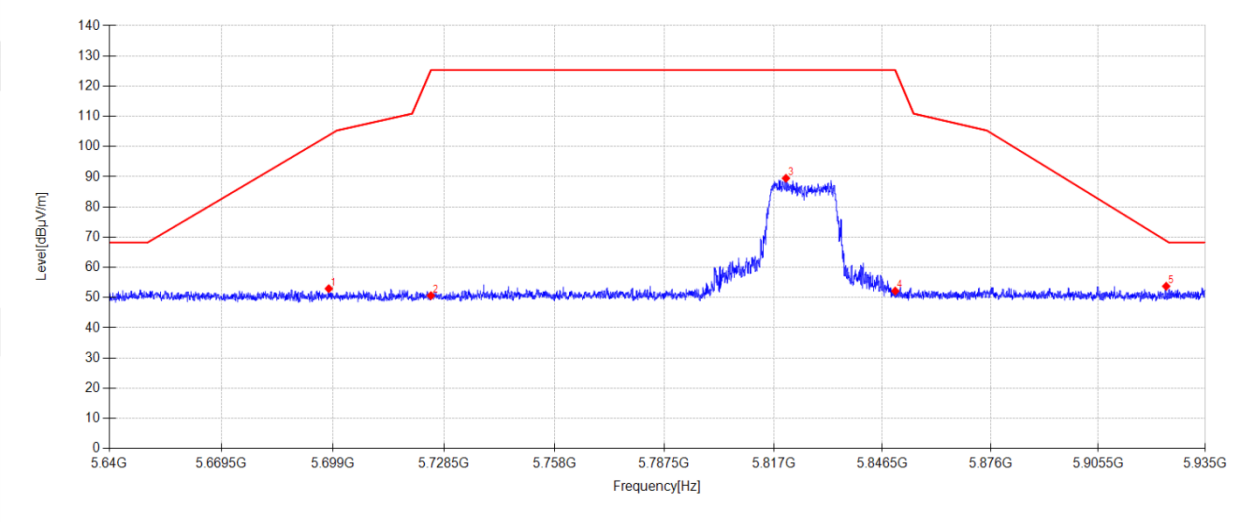
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\66

Memo:

Sample Numbler:S25060926-001



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	5697.879	45.06	33.12	4.42	-29.66	52.94	103.73	50.79	PK	Vertical
2	5725.000	42.40	33.45	4.44	-29.65	50.64	125.30	74.66	PK	Vertical
3	5820.334	80.73	33.90	4.50	-29.64	89.49	125.30	35.81	PK	Vertical
4	5850.000	43.39	33.90	4.51	-29.63	52.17	125.30	73.13	PK	Vertical
5	5924.203	44.45	34.35	4.56	-29.62	53.74	68.79	15.05	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

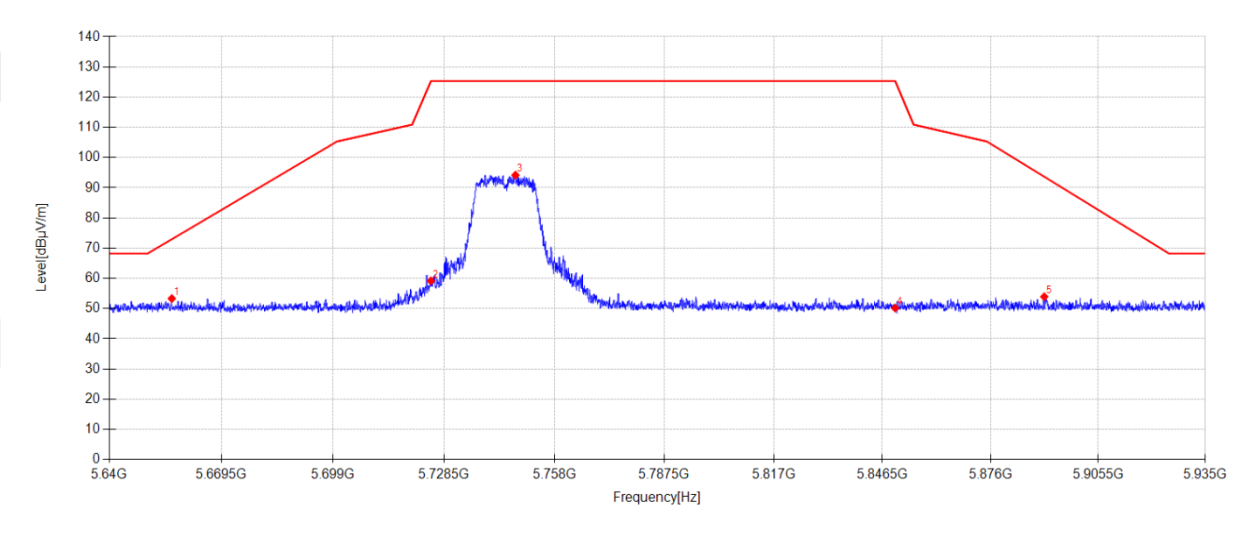
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\59

Memo:

Sample Numbler:S25060926-001



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	5656.402	45.13	33.45	4.40	-29.67	53.31	72.95	19.64	PK	Horizontal
2	5725.000	50.94	33.45	4.44	-29.65	59.18	125.30	66.12	PK	Horizontal
3	5747.557	85.60	33.77	4.45	-29.65	94.17	125.30	31.13	PK	Horizontal
4	5850.000	41.39	33.90	4.51	-29.63	50.17	125.30	75.13	PK	Horizontal
5	5890.691	44.78	34.23	4.54	-29.62	53.93	93.66	39.73	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

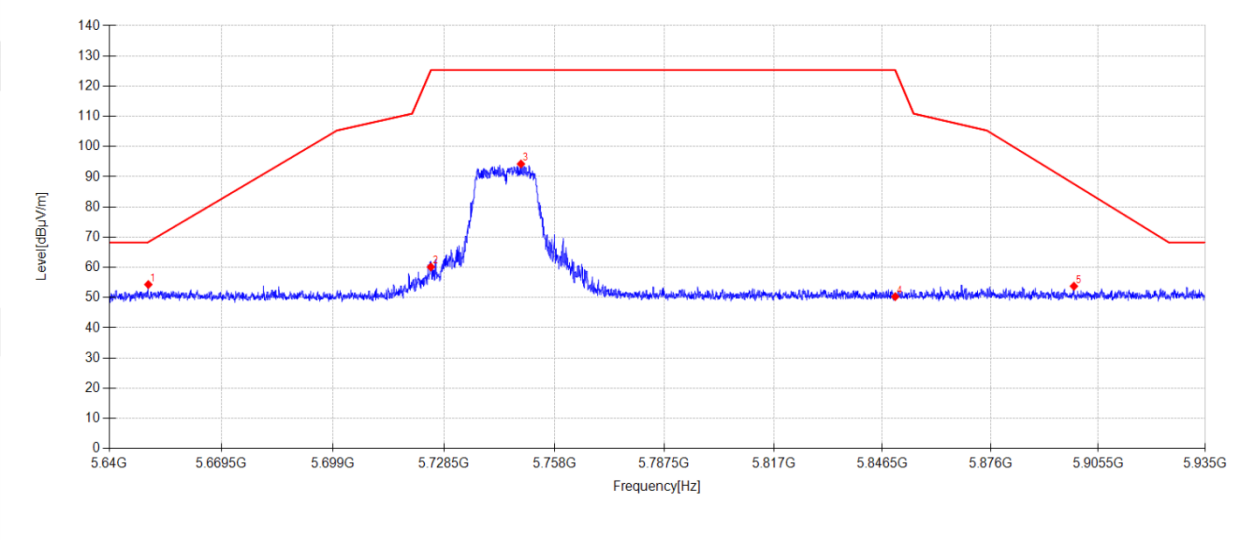
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\60

Memo:

Sample Numbler:S25060926-001



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	5650.237	46.09	33.50	4.40	-29.67	54.32	68.38	14.06	PK	Vertical
2	5725.000	51.88	33.45	4.44	-29.65	60.12	125.30	65.18	PK	Vertical
3	5749.032	85.65	33.79	4.45	-29.65	94.24	125.30	31.06	PK	Vertical
4	5850.000	41.52	33.90	4.51	-29.63	50.30	125.30	75.00	PK	Vertical
5	5898.833	44.56	34.29	4.54	-29.62	53.77	87.62	33.85	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

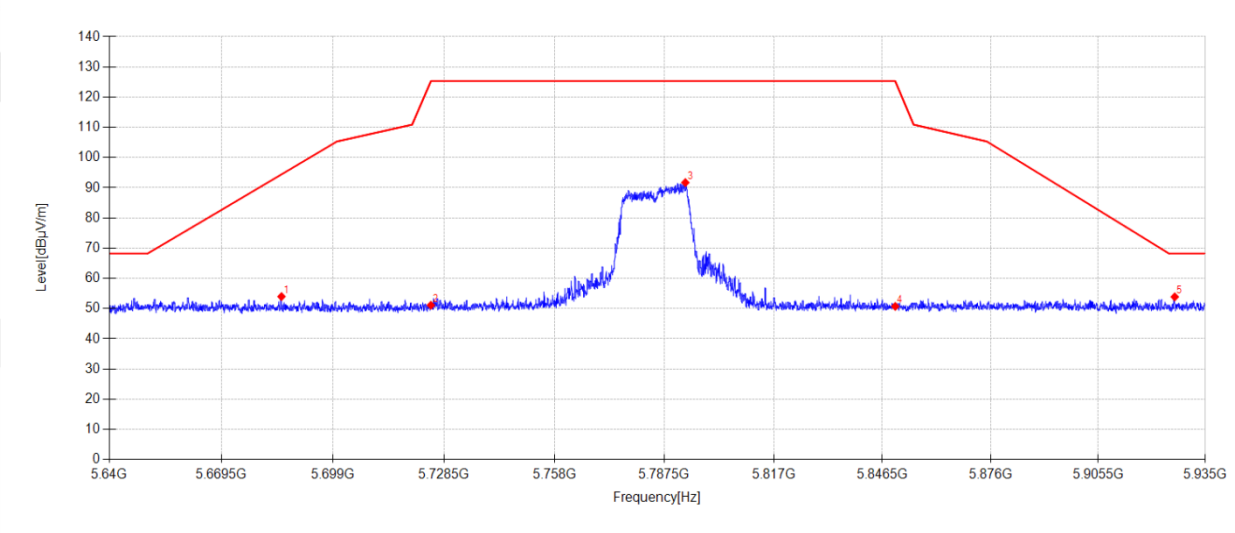
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\69

Memo:

Sample Numbler:S25060926-001



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	5685.342	46.00	33.22	4.42	-29.66	53.98	94.42	40.44	PK	Horizontal
2	5725.000	42.88	33.45	4.44	-29.65	51.12	125.30	74.18	PK	Horizontal
3	5793.164	82.98	33.89	4.48	-29.64	91.71	125.30	33.59	PK	Horizontal
4	5850.000	41.94	33.90	4.51	-29.63	50.72	125.30	74.58	PK	Horizontal
5	5926.563	44.58	34.35	4.56	-29.61	53.88	68.20	14.32	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

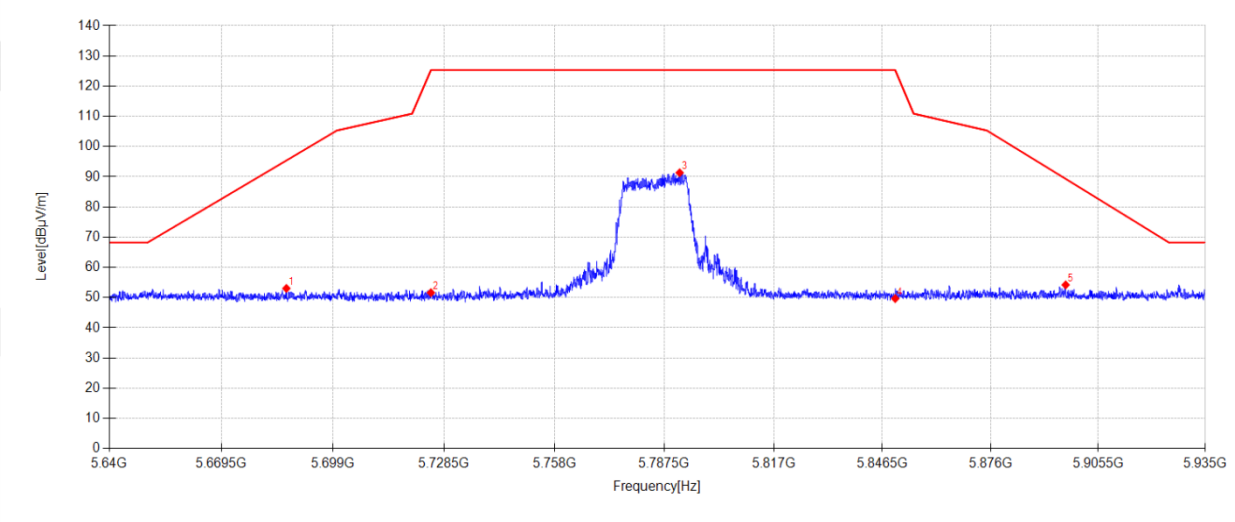
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\70

Memo:

Sample Numbler:S25060926-001



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	5686.640	45.07	33.21	4.42	-29.66	53.04	95.39	42.35	PK	Vertical
2	5725.000	43.38	33.45	4.44	-29.65	51.62	125.30	73.68	PK	Vertical
3	5791.630	82.62	33.88	4.48	-29.64	91.34	125.30	33.96	PK	Vertical
4	5850.000	40.89	33.90	4.51	-29.63	49.67	125.30	75.63	PK	Vertical
5	5896.562	45.01	34.27	4.54	-29.62	54.20	89.30	35.10	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

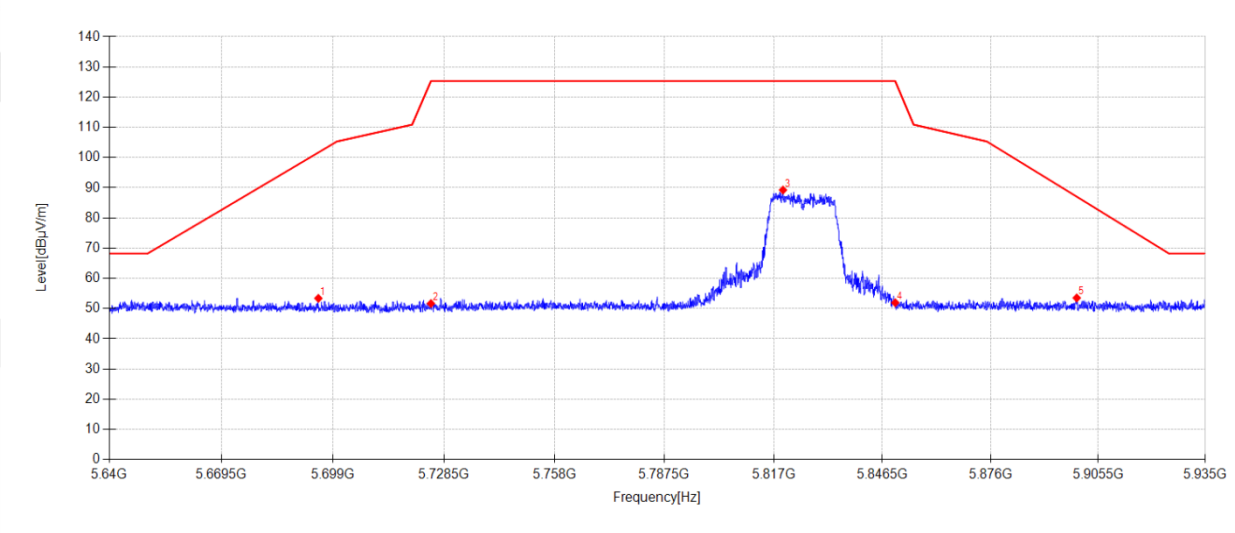
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\71

Memo:

Sample Numbler:S25060926-001



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	5695.106	45.49	33.14	4.42	-29.66	53.39	101.67	48.28	PK	Horizontal
2	5725.000	43.42	33.45	4.44	-29.65	51.66	125.30	73.64	PK	Horizontal
3	5819.537	80.49	33.90	4.50	-29.64	89.25	125.30	36.05	PK	Horizontal
4	5850.000	43.15	33.90	4.51	-29.63	51.93	125.30	73.37	PK	Horizontal
5	5899.600	44.31	34.30	4.54	-29.62	53.53	87.05	33.52	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

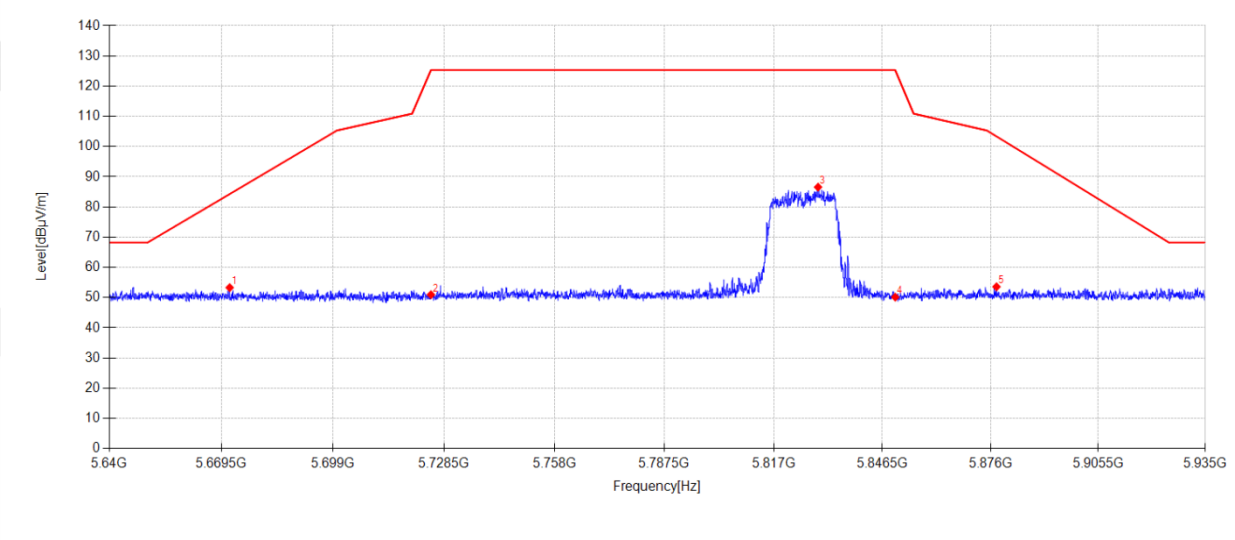
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\72

Memo:

Sample Numbler:S25060926-001



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	5671.654	45.22	33.33	4.41	-29.67	53.29	84.27	30.98	PK	Vertical
2	5725.000	42.71	33.45	4.44	-29.65	50.95	125.30	74.35	PK	Vertical
3	5829.036	77.80	33.90	4.50	-29.63	86.57	125.30	38.73	PK	Vertical
4	5850.000	41.36	33.90	4.51	-29.63	50.14	125.30	75.16	PK	Vertical
5	5877.623	44.54	34.12	4.53	-29.62	53.57	103.35	49.78	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

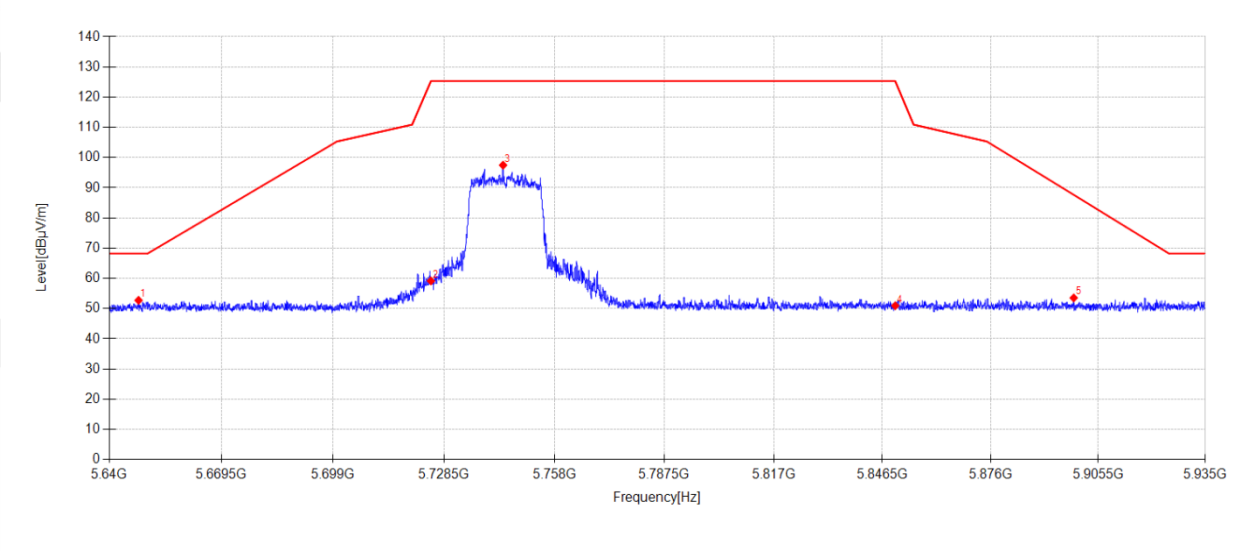
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\73

Memo:

Sample Numbler:S25060926-001



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	5647.670	44.52	33.47	4.40	-29.67	52.72	68.20	15.48	PK	Horizontal
2	5725.000	50.91	33.45	4.44	-29.65	59.15	125.30	66.15	PK	Horizontal
3	5744.253	88.95	33.72	4.45	-29.65	97.47	125.30	27.83	PK	Horizontal
4	5850.000	42.16	33.90	4.51	-29.63	50.94	125.30	74.36	PK	Horizontal
5	5898.774	44.32	34.29	4.54	-29.62	53.53	87.66	34.13	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

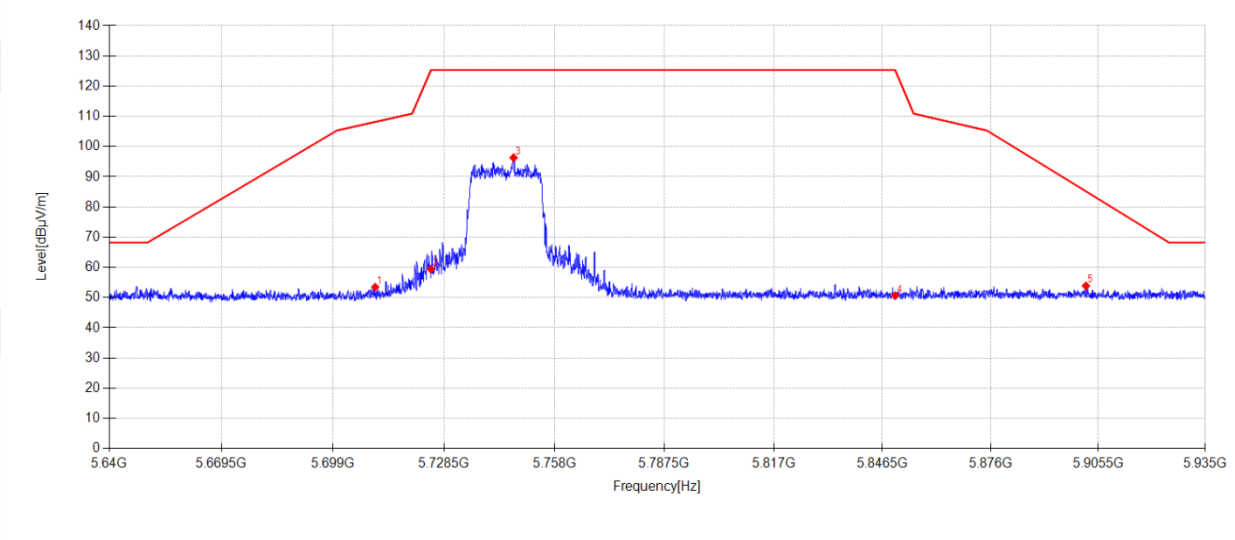
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\74

Memo:

Sample Numbler:S25060926-001



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	5710.181	45.44	33.24	4.43	-29.66	53.45	108.15	54.70	PK	Vertical
2	5725.000	51.13	33.45	4.44	-29.65	59.37	125.30	65.93	PK	Vertical
3	5747.056	87.74	33.76	4.45	-29.65	96.30	125.30	29.00	PK	Vertical
4	5850.000	41.86	33.90	4.51	-29.63	50.64	125.30	74.66	PK	Vertical
5	5902.137	44.64	34.30	4.54	-29.62	53.86	85.16	31.30	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

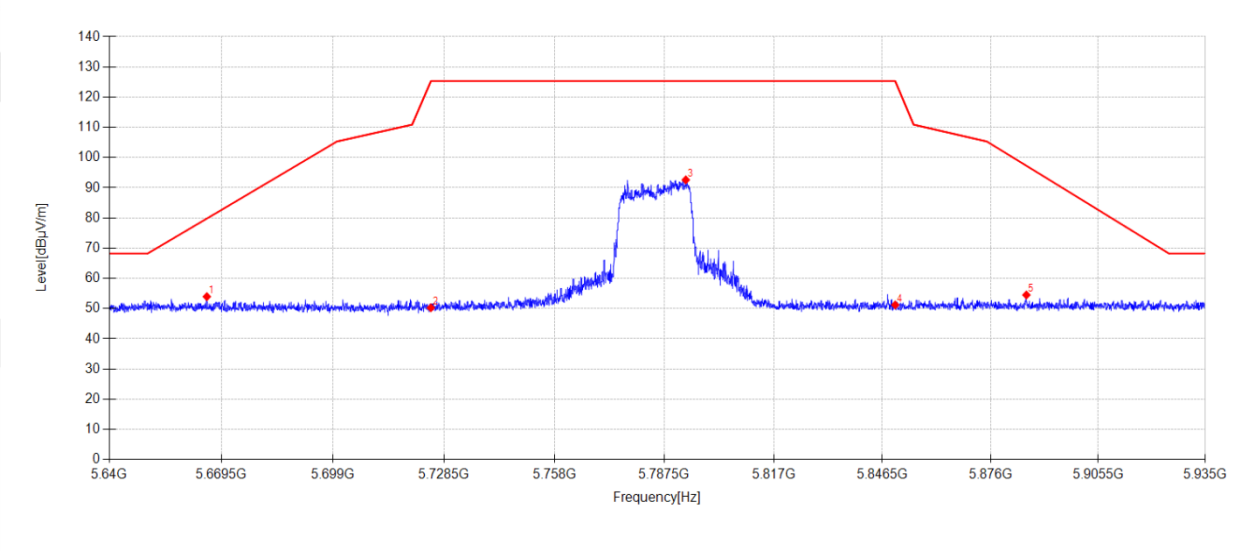
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\75

Memo:

Sample Numbler:S25060926-001



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	5665.636	45.85	33.37	4.41	-29.67	53.96	79.80	25.84	PK	Horizontal
2	5725.000	42.02	33.45	4.44	-29.65	50.26	125.30	75.04	PK	Horizontal
3	5793.282	83.88	33.89	4.48	-29.64	92.61	125.30	32.69	PK	Horizontal
4	5850.000	42.43	33.90	4.51	-29.63	51.21	125.30	74.09	PK	Horizontal
5	5885.794	45.40	34.19	4.53	-29.62	54.50	97.29	42.79	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

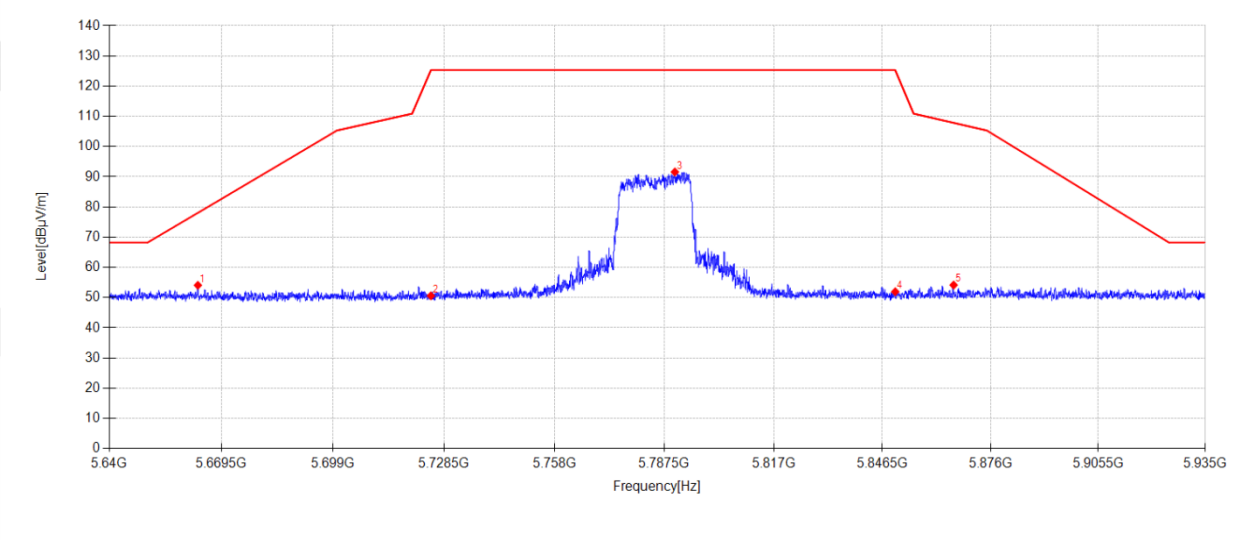
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\76

Memo:

Sample Numbler:S25060926-001



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	5663.276	45.95	33.39	4.40	-29.67	54.07	78.05	23.98	PK	Vertical
2	5725.000	42.35	33.45	4.44	-29.65	50.59	125.30	74.71	PK	Vertical
3	5790.332	82.86	33.88	4.48	-29.64	91.58	125.30	33.72	PK	Vertical
4	5850.000	43.16	33.90	4.51	-29.63	51.94	125.30	73.36	PK	Vertical
5	5865.911	45.22	34.03	4.52	-29.63	54.14	107.84	53.70	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

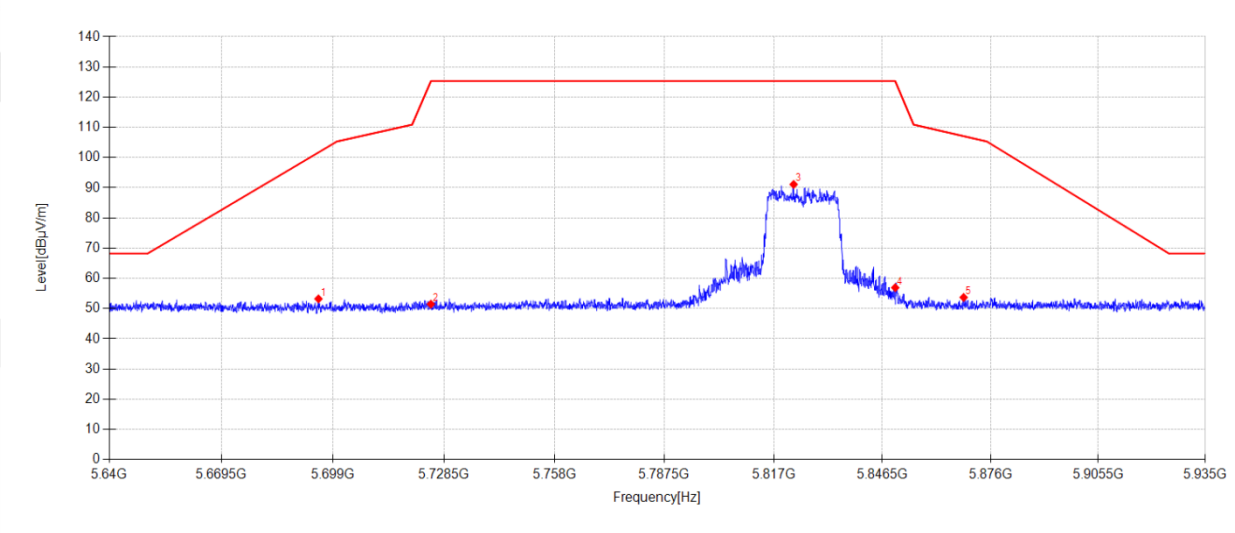
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\77

Memo:

Sample Numbler:S25060926-001



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	5695.136	45.32	33.14	4.42	-29.66	53.22	101.69	48.47	PK	Horizontal
2	5725.000	43.23	33.45	4.44	-29.65	51.47	125.30	73.83	PK	Horizontal
3	5822.428	82.34	33.90	4.50	-29.64	91.10	125.30	34.20	PK	Horizontal
4	5850.000	48.15	33.90	4.51	-29.63	56.93	125.30	68.37	PK	Horizontal
5	5868.655	44.75	34.05	4.52	-29.63	53.69	107.08	53.39	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

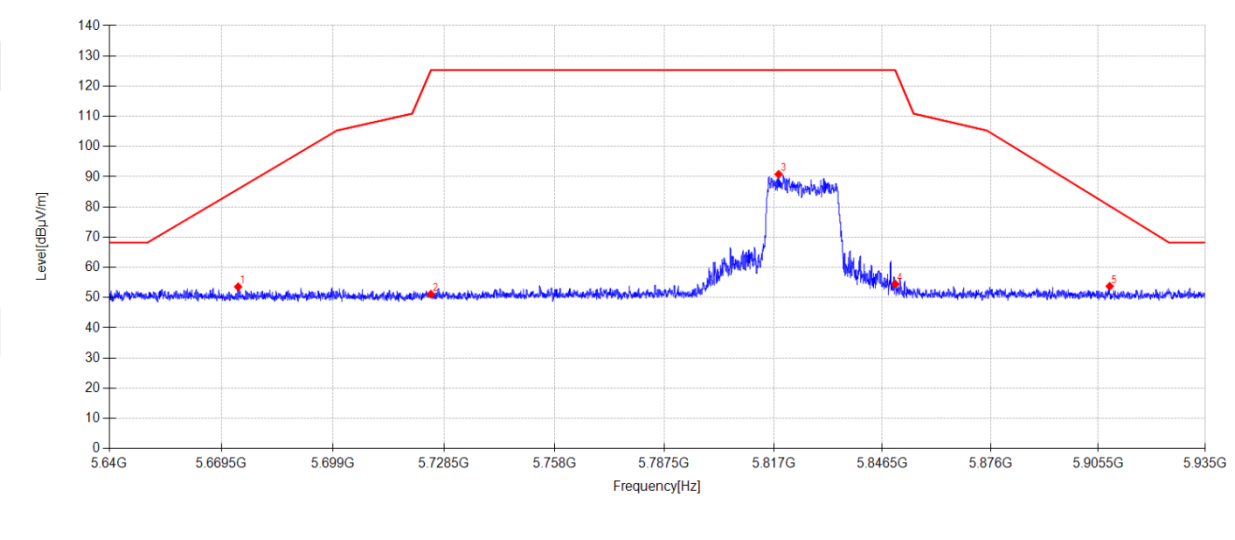
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\78

Memo:

Sample Numbler:S25060926-001



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	5673.896	45.52	33.31	4.41	-29.67	53.57	85.93	32.36	PK	Vertical
2	5725.000	42.88	33.45	4.44	-29.65	51.12	125.30	74.18	PK	Vertical
3	5818.357	82.04	33.90	4.49	-29.64	90.79	125.30	34.51	PK	Vertical
4	5850.000	45.67	33.90	4.51	-29.63	54.45	125.30	70.85	PK	Vertical
5	5908.657	44.49	34.32	4.55	-29.62	53.74	80.33	26.59	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

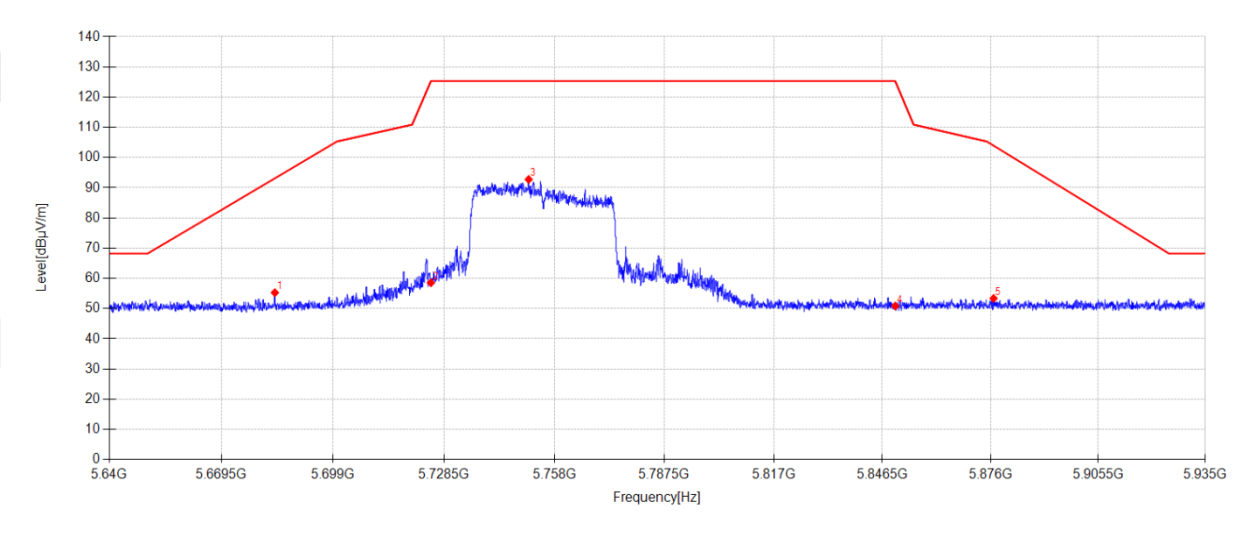
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\79

Memo:

Sample Numbler:S25060926-001



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	5683.601	47.28	33.23	4.42	-29.66	55.27	93.13	37.86	PK	Horizontal
2	5725.000	50.30	33.45	4.44	-29.65	58.54	125.30	66.76	PK	Horizontal
3	5751.097	84.15	33.80	4.46	-29.65	92.76	125.30	32.54	PK	Horizontal
4	5850.000	42.08	33.90	4.51	-29.63	50.86	125.30	74.44	PK	Horizontal
5	5876.826	44.35	34.11	4.53	-29.62	53.37	103.95	50.58	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

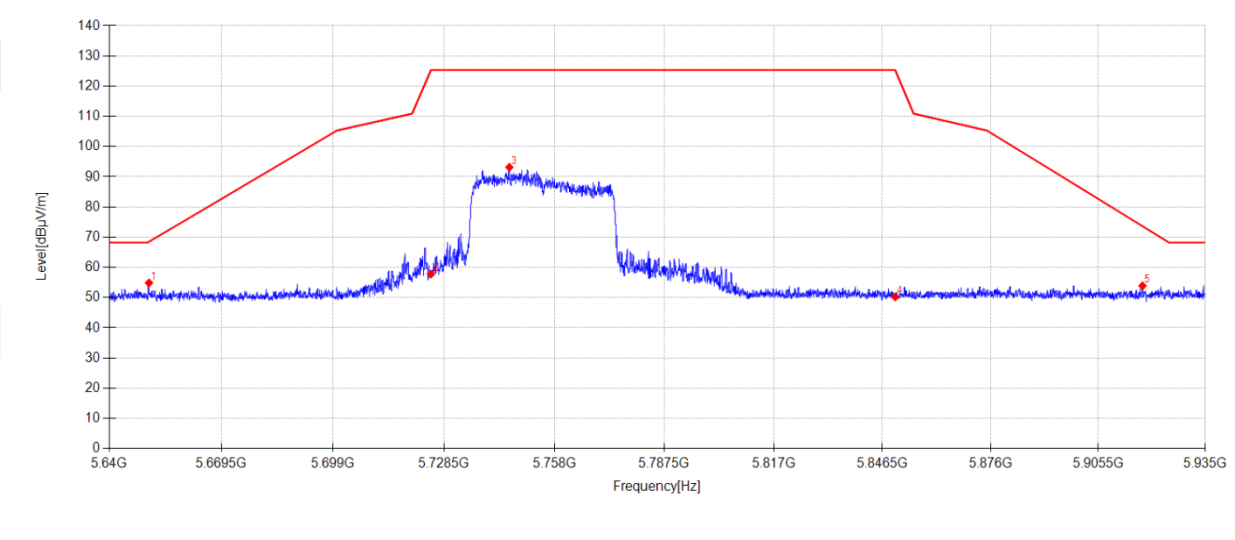
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\80

Memo:

Sample Numbler:S25060926-001



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	5650.414	46.62	33.50	4.40	-29.67	54.85	68.51	13.66	PK	Vertical
2	5725.000	49.53	33.45	4.44	-29.65	57.77	125.30	67.53	PK	Vertical
3	5745.935	84.61	33.74	4.45	-29.65	93.15	125.30	32.15	PK	Vertical
4	5850.000	41.44	33.90	4.51	-29.63	50.22	125.30	75.08	PK	Vertical
5	5917.684	44.63	34.34	4.55	-29.62	53.90	73.63	19.73	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

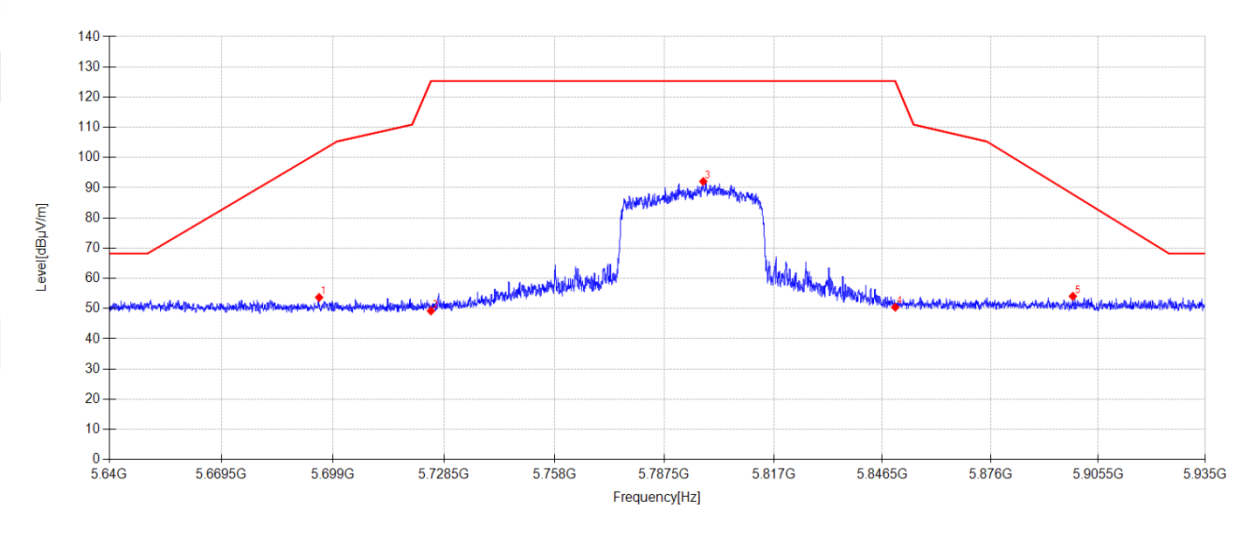
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\81

Memo:

Sample Numbler:S25060926-001



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	5695.313	45.79	33.14	4.42	-29.66	53.69	101.82	48.13	PK	Horizontal
2	5725.000	40.97	33.45	4.44	-29.65	49.21	125.30	76.09	PK	Horizontal
3	5798.002	83.35	33.90	4.48	-29.64	92.09	125.30	33.21	PK	Horizontal
4	5850.000	41.65	33.90	4.51	-29.63	50.43	125.30	74.87	PK	Horizontal
5	5898.538	44.86	34.29	4.54	-29.62	54.07	87.83	33.76	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

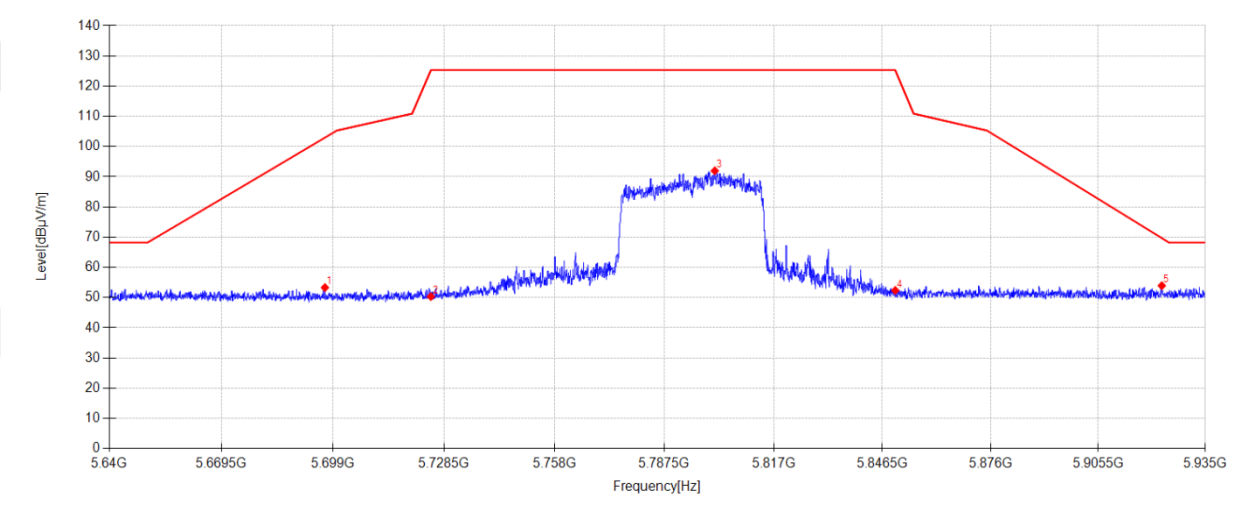
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\82

Memo:

Sample Numbler:S25060926-001



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	5696.847	45.43	33.13	4.42	-29.66	53.32	102.96	49.64	PK	Vertical
2	5725.000	42.09	33.45	4.44	-29.65	50.33	125.30	74.97	PK	Vertical
3	5801.100	83.22	33.90	4.48	-29.64	91.96	125.30	33.34	PK	Vertical
4	5850.000	43.58	33.90	4.51	-29.63	52.36	125.30	72.94	PK	Vertical
5	5922.994	44.65	34.35	4.56	-29.62	53.94	69.69	15.75	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

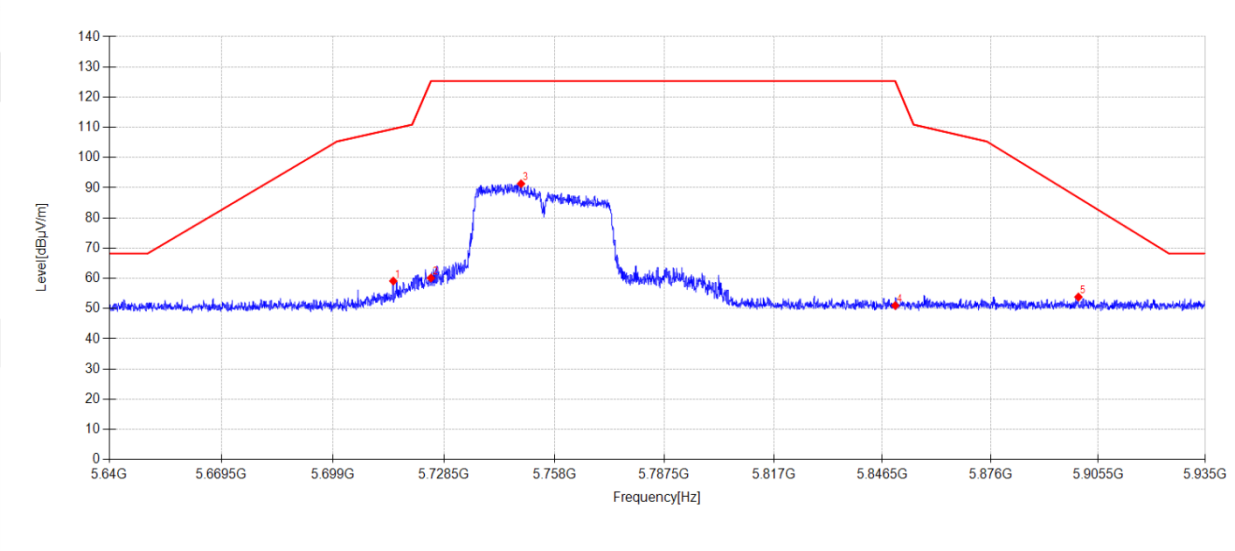
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\83

Memo:

Sample Numbler:S25060926-001



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	5714.989	51.03	33.31	4.43	-29.66	59.11	109.50	50.39	PK	Horizontal
2	5725.000	51.86	33.45	4.44	-29.65	60.10	125.30	65.20	PK	Horizontal
3	5749.062	82.75	33.79	4.45	-29.65	91.34	125.30	33.96	PK	Horizontal
4	5850.000	42.21	33.90	4.51	-29.63	50.99	125.30	74.31	PK	Horizontal
5	5900.072	44.60	34.30	4.54	-29.62	53.82	86.70	32.88	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

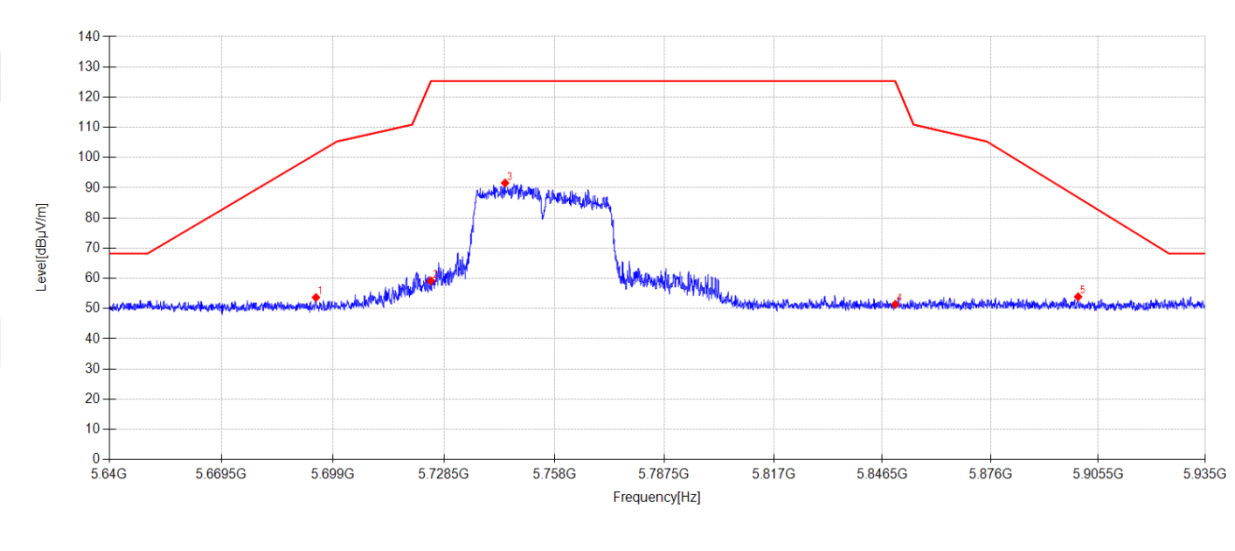
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\84

Memo:

Sample Numbler:S25060926-001



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	5694.457	45.79	33.14	4.42	-29.66	53.69	101.19	47.50	PK	Vertical
2	5725.000	50.92	33.45	4.44	-29.65	59.16	125.30	66.14	PK	Vertical
3	5744.784	83.04	33.73	4.45	-29.65	91.57	125.30	33.73	PK	Vertical
4	5850.000	42.63	33.90	4.51	-29.63	51.41	125.30	73.89	PK	Vertical
5	5899.984	44.67	34.30	4.54	-29.62	53.89	86.76	32.87	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

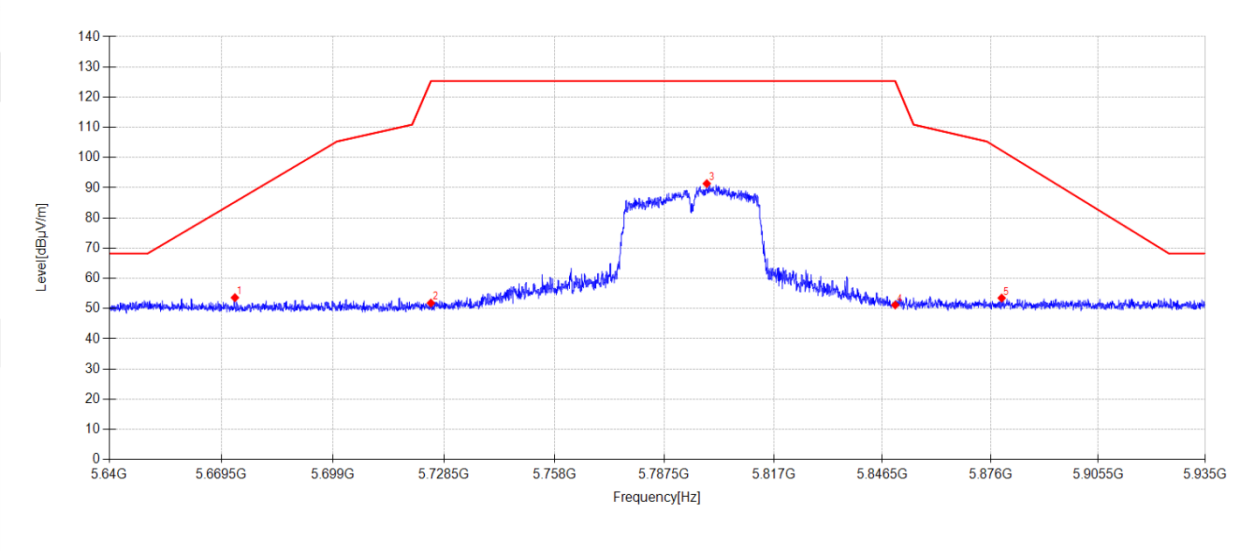
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\85

Memo:

Sample Numbler:S25060926-001



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	5673.040	45.55	33.32	4.41	-29.67	53.61	85.30	31.69	PK	Horizontal
2	5725.000	43.59	33.45	4.44	-29.65	51.83	125.30	73.47	PK	Horizontal
3	5798.946	82.64	33.90	4.48	-29.64	91.38	125.30	33.92	PK	Horizontal
4	5850.000	42.41	33.90	4.51	-29.63	51.19	125.30	74.11	PK	Horizontal
5	5879.039	44.44	34.13	4.53	-29.62	53.48	102.30	48.82	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

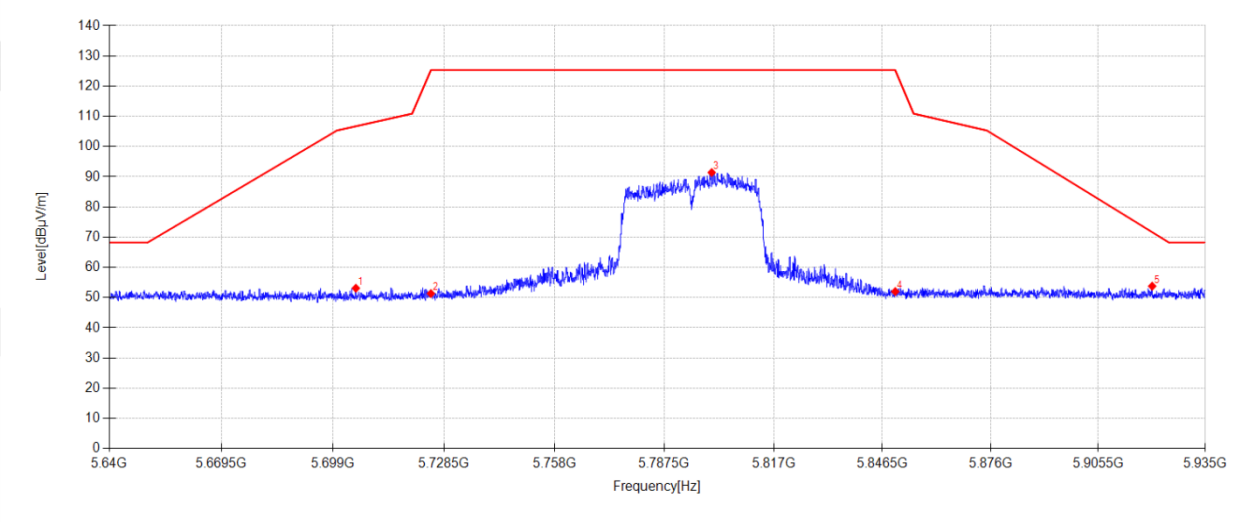
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\86

Memo:

Sample Numbler:S25060926-001



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	5705.048	45.16	33.17	4.43	-29.66	53.10	106.71	53.61	PK	Vertical
2	5725.000	43.09	33.45	4.44	-29.65	51.33	125.30	73.97	PK	Vertical
3	5800.274	82.66	33.90	4.48	-29.64	91.40	125.30	33.90	PK	Vertical
4	5850.000	43.22	33.90	4.51	-29.63	52.00	125.30	73.30	PK	Vertical
5	5920.339	44.51	34.34	4.55	-29.62	53.78	71.66	17.88	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

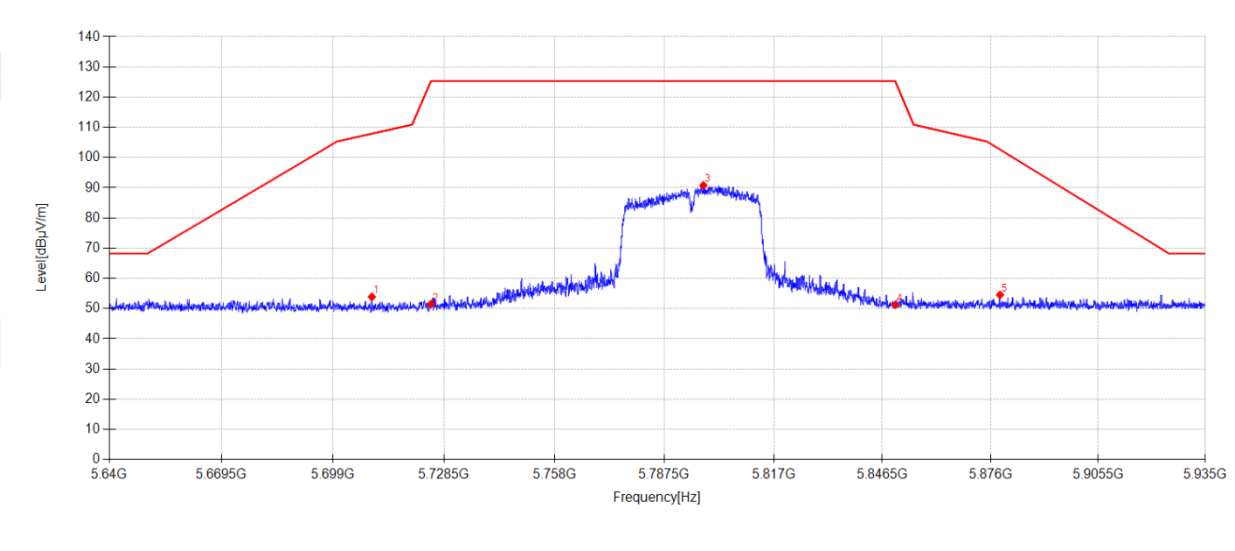
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\87

Memo:

Sample Numbler:S25060926-001



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	5709.296	45.89	33.23	4.43	-29.66	53.89	107.90	54.01	PK	Horizontal
2	5725.000	43.25	33.45	4.44	-29.65	51.49	125.30	73.81	PK	Horizontal
3	5798.032	82.02	33.90	4.48	-29.64	90.76	125.30	34.54	PK	Horizontal
4	5850.000	42.47	33.90	4.51	-29.63	51.25	125.30	74.05	PK	Horizontal
5	5878.596	45.49	34.13	4.53	-29.62	54.53	102.63	48.10	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

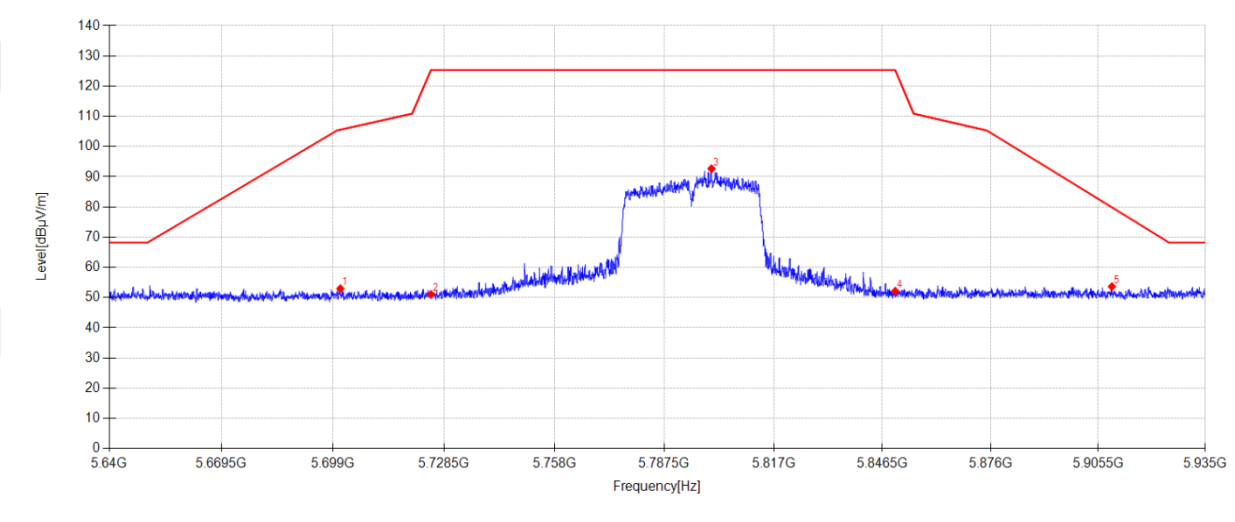
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\88

Memo:

Sample Numbler:S25060926-001



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	5700.947	45.08	33.11	4.43	-29.66	52.96	105.57	52.61	PK	Vertical
2	5725.000	42.81	33.45	4.44	-29.65	51.05	125.30	74.25	PK	Vertical
3	5800.215	83.92	33.90	4.48	-29.64	92.66	125.30	32.64	PK	Vertical
4	5850.000	43.33	33.90	4.51	-29.63	52.11	125.30	73.19	PK	Vertical
5	5909.276	44.39	34.32	4.55	-29.62	53.64	79.87	26.23	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

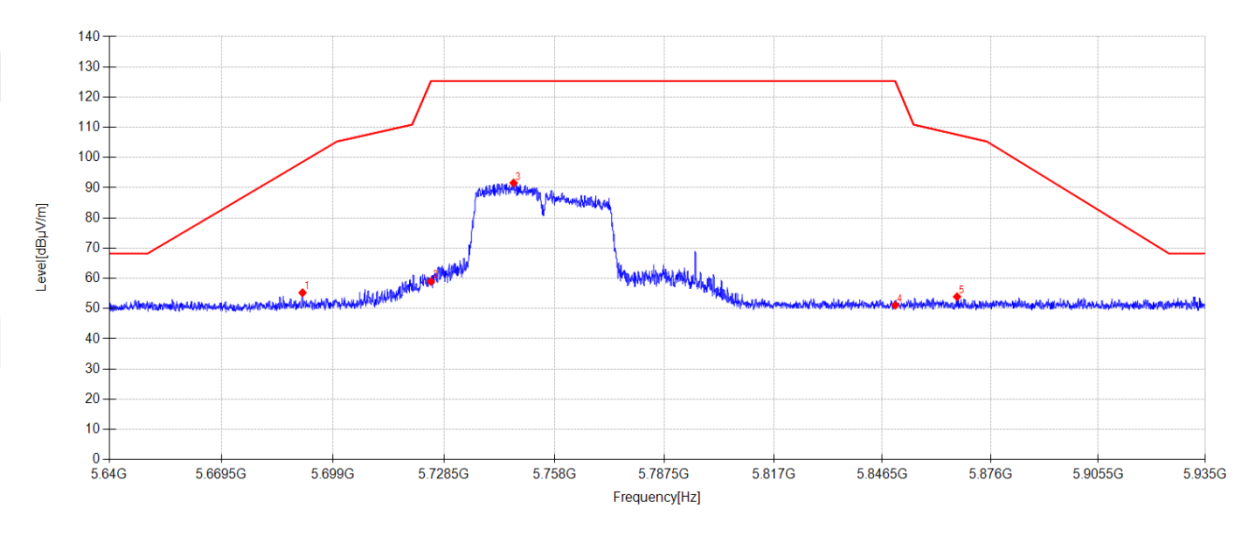
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\89

Memo:

Sample Numbler:S25060926-001



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	5690.917	47.31	33.17	4.42	-29.66	55.24	98.56	43.32	PK	Horizontal
2	5725.000	50.73	33.45	4.44	-29.65	58.97	125.30	66.33	PK	Horizontal
3	5747.056	83.02	33.76	4.45	-29.65	91.58	125.30	33.72	PK	Horizontal
4	5850.000	42.34	33.90	4.51	-29.63	51.12	125.30	74.18	PK	Horizontal
5	5866.855	45.00	34.03	4.52	-29.63	53.92	107.58	53.66	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:

2025-10-01

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11N40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

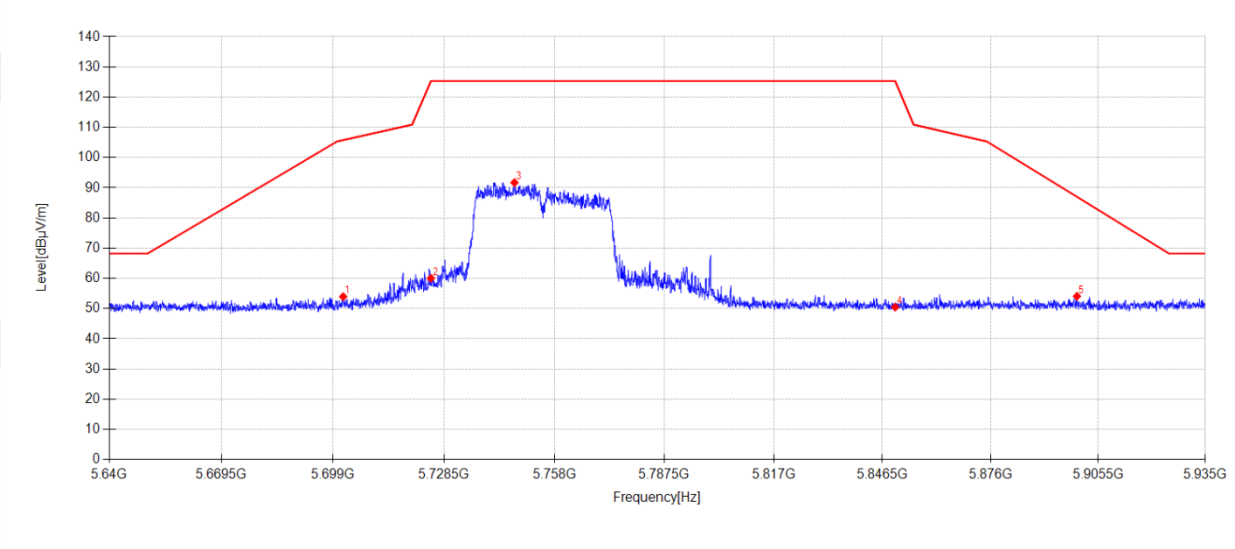
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\90

Memo:

Sample Numbler:S25060926-001



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	5701.685	46.07	33.12	4.43	-29.66	53.96	105.77	51.81	PK	Vertical
2	5725.000	51.77	33.45	4.44	-29.65	60.01	125.30	65.29	PK	Vertical
3	5747.292	83.15	33.76	4.45	-29.65	91.71	125.30	33.59	PK	Vertical
4	5850.000	41.70	33.90	4.51	-29.63	50.48	125.30	74.82	PK	Vertical
5	5899.659	44.86	34.30	4.54	-29.62	54.08	87.00	32.92	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:

2026-01-27

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

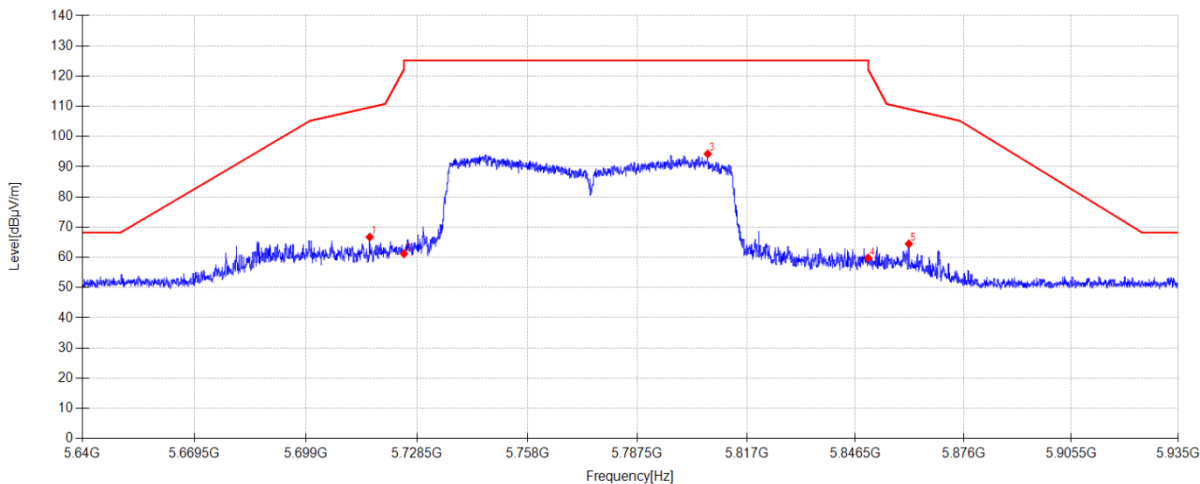
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\113

Memo:

Sample Number:S25060926-001



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	5715.904	57.80	33.32	5.26	-29.66	66.72	109.65	42.93	PK	Horizontal
2	5725.000	52.11	33.45	5.26	-29.65	61.17	122.20	61.03	PK	Horizontal
3	5806.498	84.70	33.90	5.29	-29.64	94.25	125.20	30.95	PK	Horizontal
4	5850.000	50.19	33.90	5.31	-29.63	59.77	122.20	62.43	PK	Horizontal
5	5861.073	54.80	33.99	5.31	-29.63	64.47	109.10	44.63	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:

2026-01-27

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AC80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

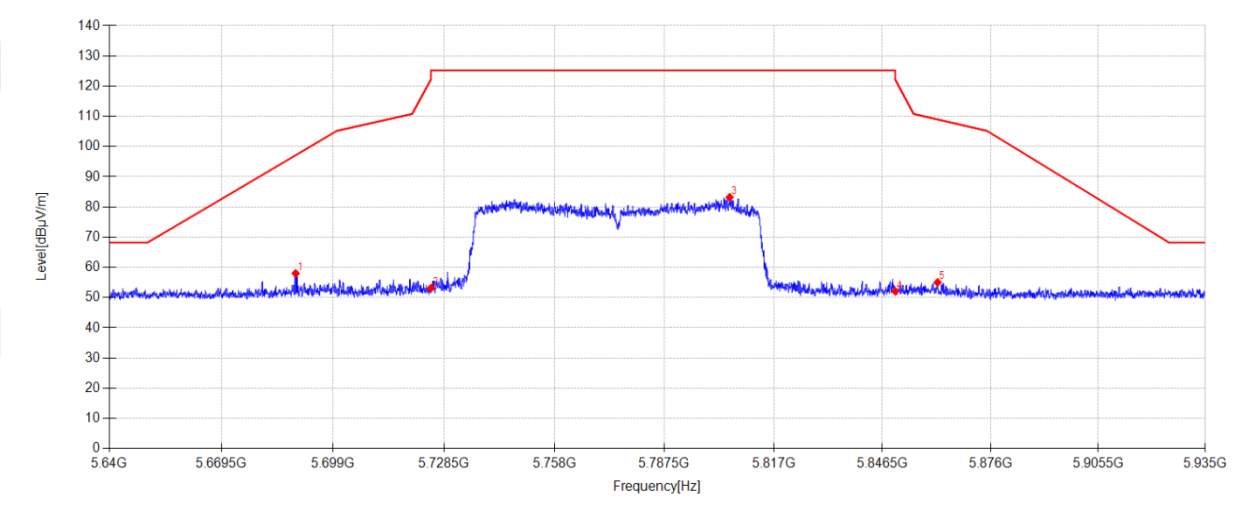
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\114

Memo:

Sample Number:S25060926-001



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	5689.088	49.21	33.19	5.25	-29.66	57.99	97.13	39.14	PK	Vertical
2	5725.000	44.04	33.45	5.26	-29.65	53.10	122.20	69.10	PK	Vertical
3	5805.112	73.64	33.90	5.29	-29.64	83.19	125.20	42.01	PK	Vertical
4	5850.000	42.52	33.90	5.31	-29.63	52.10	122.20	70.10	PK	Vertical
5	5861.545	45.37	33.99	5.31	-29.63	55.04	108.97	53.93	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:

2026-01-27

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

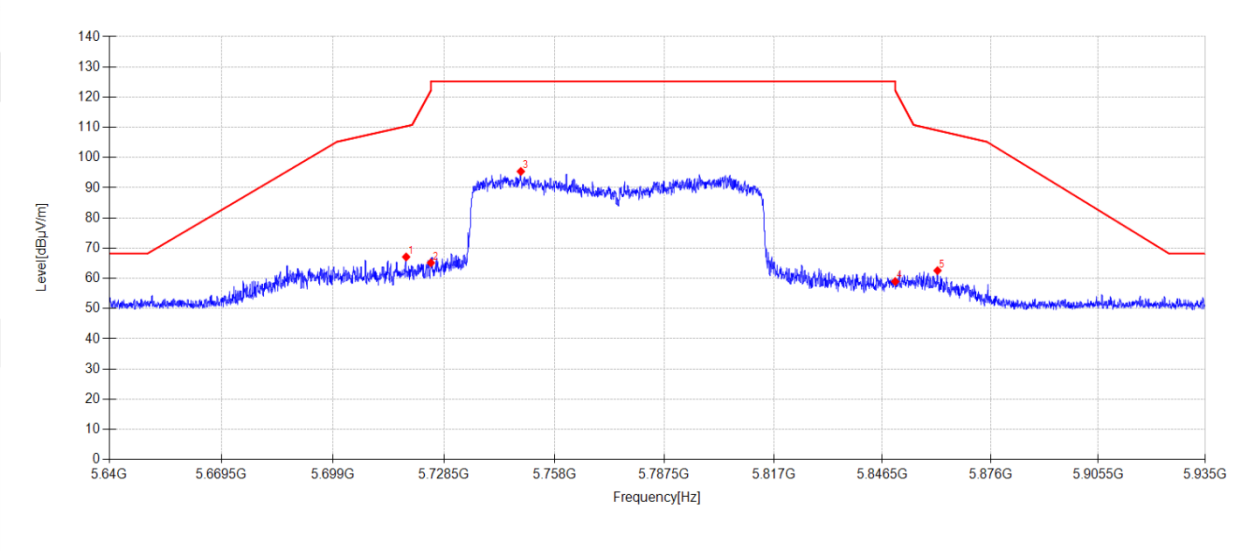
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\115

Memo:

Sample Number:S25060926-001



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	5718.411	58.14	33.36	5.26	-29.66	67.10	110.36	43.26	PK	Horizontal
2	5725.000	56.09	33.45	5.26	-29.65	65.15	122.20	57.05	PK	Horizontal
3	5749.003	85.99	33.79	5.27	-29.65	95.40	125.20	29.80	PK	Horizontal
4	5850.000	49.37	33.90	5.31	-29.63	58.95	122.20	63.25	PK	Horizontal
5	5861.516	52.89	33.99	5.31	-29.63	62.56	108.98	46.42	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:

2026-01-27

Tested By:

Nan Zhong

EUT:

In-vehicle Multimedia Host

Model Number:

MTD421-B2

Test Mode:

TX 11AX80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.2°C;Humi:56.2%

Test Site:

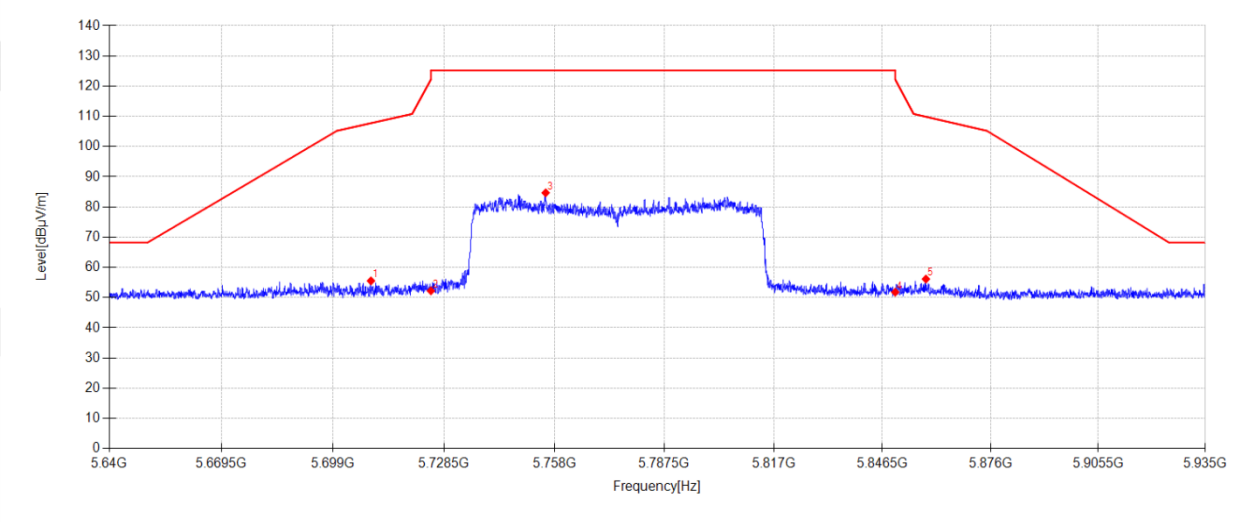
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25060926-1E\FCC ABOVE1G 5.8G\116

Memo:

Sample Number:S25060926-001



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	5709.060	46.71	33.23	5.25	-29.66	55.53	107.74	52.21	PK	Vertical
2	5725.000	43.17	33.45	5.26	-29.65	52.23	122.20	69.97	PK	Vertical
3	5755.640	75.25	33.81	5.27	-29.65	84.68	125.20	40.52	PK	Vertical
4	5850.000	42.22	33.90	5.31	-29.63	51.80	122.20	70.40	PK	Vertical
5	5858.359	46.48	33.97	5.31	-29.63	56.13	109.86	53.73	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.

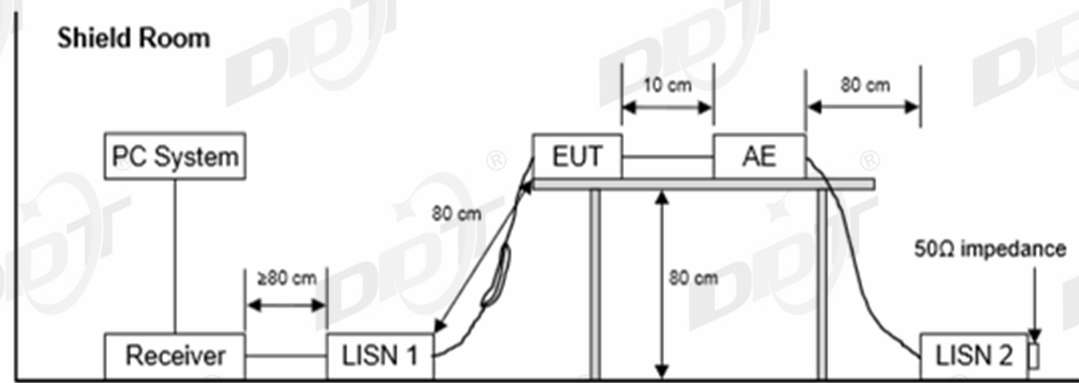
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

15. Power Line Conducted Emissions

15.1. Test equipment

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

15.2. Block diagram of test setup



15.3. 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.

15.4. Assistant equipment used for test

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

15.5. 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.

15.6. Test result

Not applicable, the product is DC powered.

17. Photos of the EUT

Please refer to appendix I

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