

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

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

12.4. Assistant equipment used for test

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

12.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

- (b) Change work frequency or channel of device if practicable.
- (c) Change modulation type of device if practicable.
- (d) Change power supply range from 85% to 115% of the rated supply voltage
- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement

produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 40 GHz: (Scan with all mode, the worst case is record and report)

(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 the 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:2025-01-21

Tested By:Zhong Nan

EUT:In-vehicle Multimedia Host

Model Number:MTCJ06-A03

Test Mode:5G WIFI TX Mode

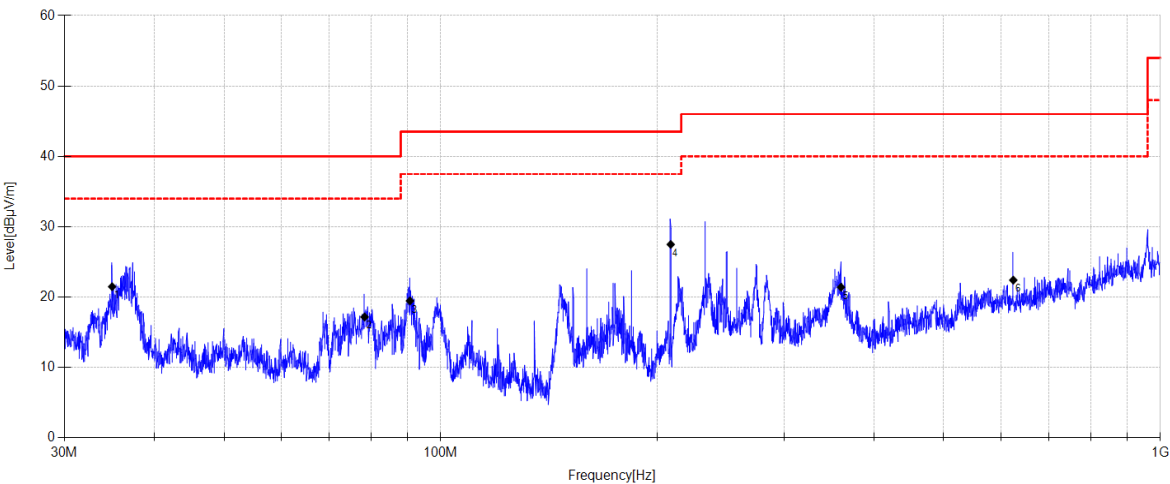
Power Supply:DC 12V

Condition:Temp:23°C;Humi:59.5%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24122405-5E\FCC BELOW1G\20250121-000652_H

Memo:Sample Number:S24122405-001 Power Setting:10



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	34.955	37.19	11.60	3.79	21.48	40.00	18.52	QP	Horizontal
2	78.398	36.01	8.18	4.08	17.17	40.00	22.83	QP	Horizontal
3	90.644	36.91	9.50	4.15	19.46	43.50	24.04	QP	Horizontal
4	208.792	43.38	10.52	4.80	27.48	43.50	16.02	QP	Horizontal
5	360.016	32.47	14.90	5.46	21.40	46.00	24.60	QP	Horizontal
6	624.699	28.98	18.48	6.45	22.41	46.00	23.59	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:

2025-01-21

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

5G WIFI TX Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

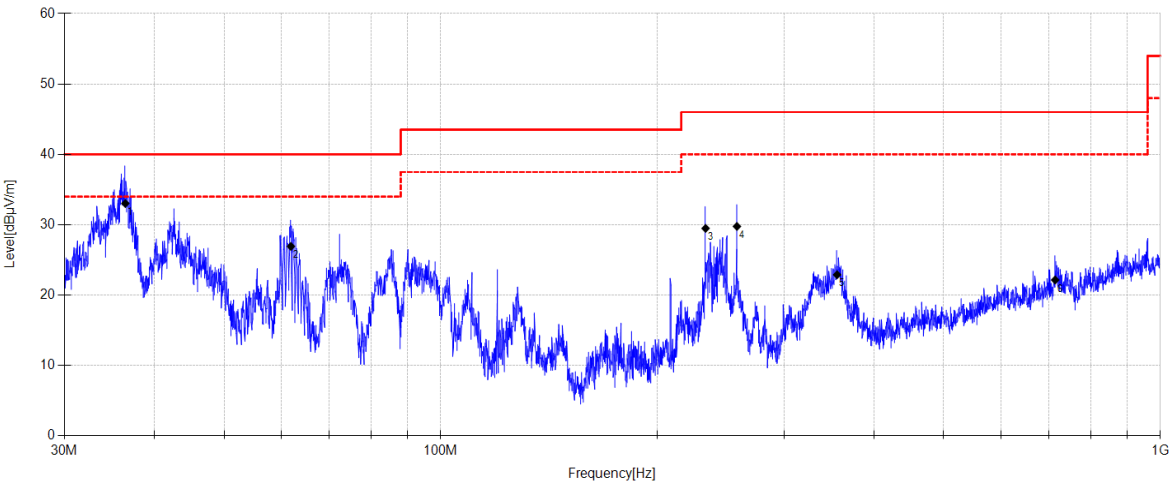
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24122405-001 Power Setting:10



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	36.463	48.51	11.81	3.80	33.02	40.00	6.98	QP	Vertical
2	61.943	41.27	12.78	3.97	26.92	40.00	13.08	QP	Vertical
3	233.417	44.31	11.53	4.91	29.48	46.00	16.52	QP	Vertical
4	258.034	44.43	11.62	5.03	29.76	46.00	16.24	QP	Vertical
5	355.501	33.44	15.44	5.44	22.89	46.00	23.11	QP	Vertical
6	714.221	27.68	19.17	6.73	22.15	46.00	23.85	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5180MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

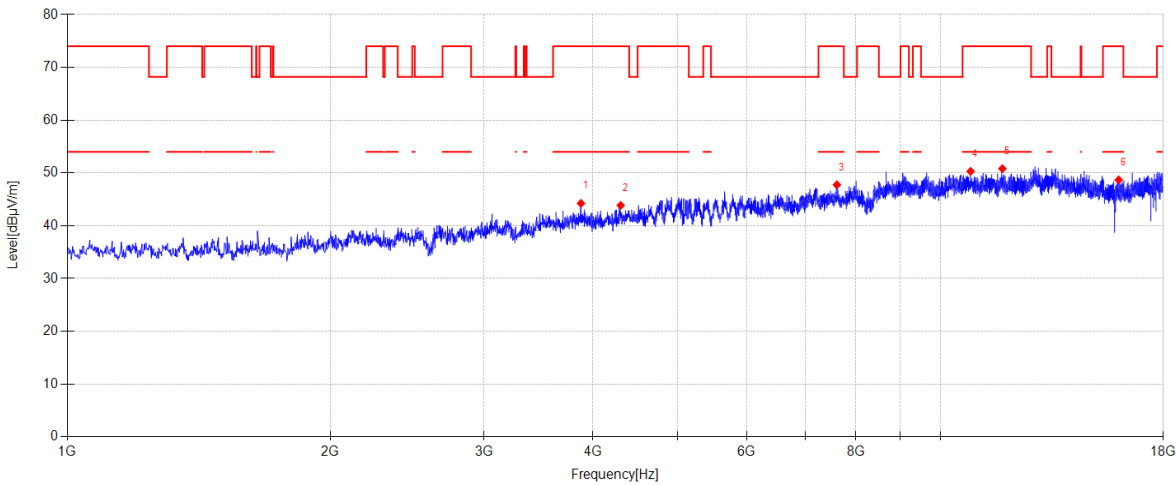
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3874.700	47.56	31.05	5.27	-39.65	44.23	74.00	29.77	PK	Horizontal
2	4303.100	46.25	31.60	5.67	-39.66	43.86	74.00	30.14	PK	Horizontal
3	7609.600	44.07	36.52	7.62	-40.45	47.76	74.00	26.24	PK	Horizontal
4	10826.000	41.68	39.37	8.36	-39.10	50.31	74.00	23.69	PK	Horizontal
5	11772.900	42.78	38.93	8.88	-39.77	50.82	74.00	23.18	PK	Horizontal
6	15997.400	39.85	38.00	10.24	-39.40	48.69	74.00	25.31	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5180MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

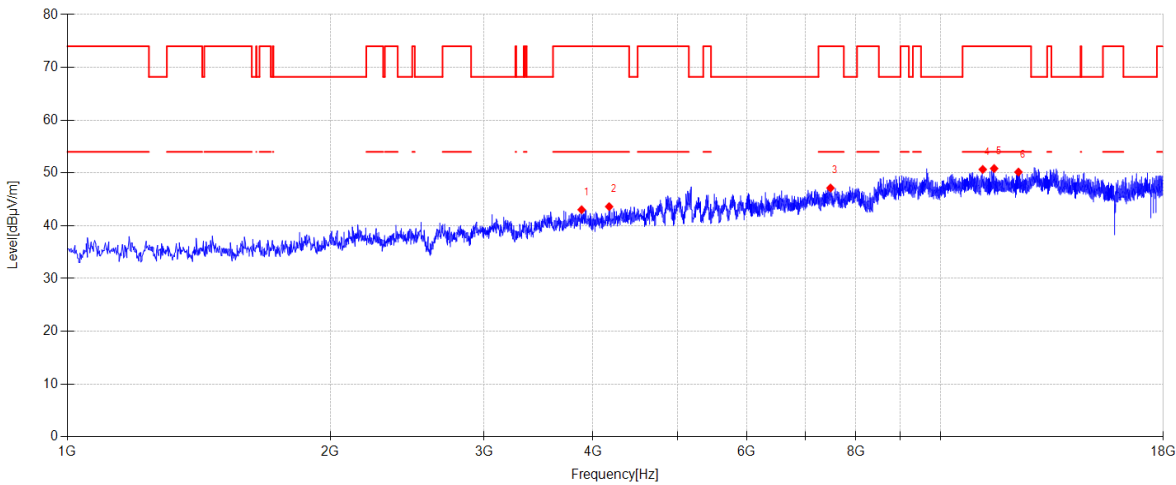
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3881.500	46.33	31.09	5.27	-39.65	43.04	74.00	30.96	PK	Vertical
2	4173.900	46.57	31.20	5.52	-39.67	43.62	74.00	30.38	PK	Vertical
3	7482.100	43.64	36.54	7.54	-40.57	47.15	74.00	26.85	PK	Vertical
4	11179.600	42.10	39.22	8.53	-39.18	50.67	74.00	23.33	PK	Vertical
5	11521.300	42.47	39.16	8.73	-39.52	50.84	74.00	23.16	PK	Vertical
6	12282.900	41.66	39.30	9.15	-39.94	50.17	74.00	23.83	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5200MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

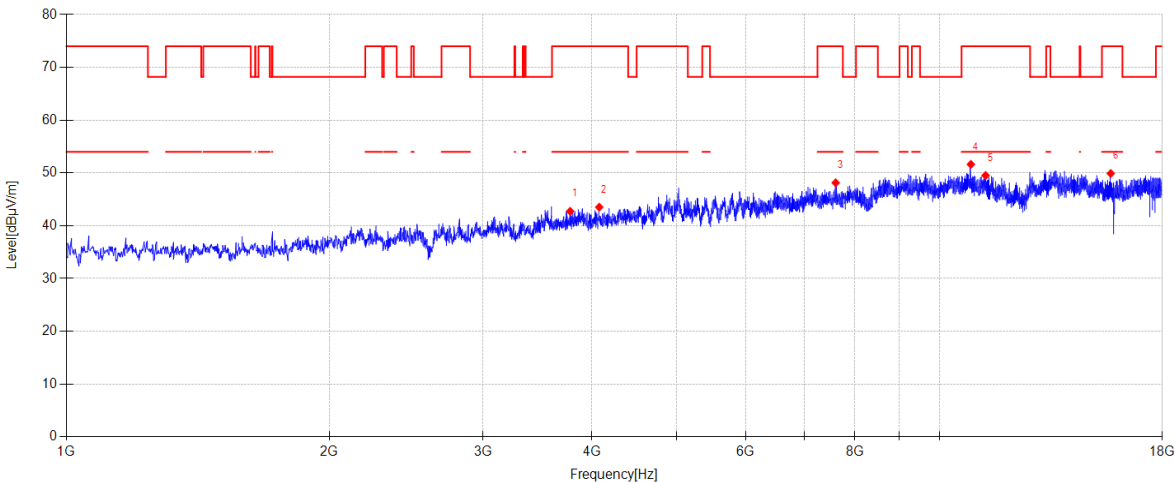
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3776.100	46.53	30.60	5.24	-39.63	42.74	74.00	31.26	PK	Horizontal
2	4077.000	46.74	31.05	5.40	-39.67	43.52	74.00	30.48	PK	Horizontal
3	7606.200	44.46	36.51	7.62	-40.45	48.14	74.00	25.86	PK	Horizontal
4	10863.400	42.99	39.34	8.38	-39.08	51.63	74.00	22.37	PK	Horizontal
5	11295.200	41.02	39.20	8.60	-39.30	49.52	74.00	24.48	PK	Horizontal
6	15710.100	40.71	38.48	10.11	-39.40	49.90	74.00	24.10	PK	Horizontal

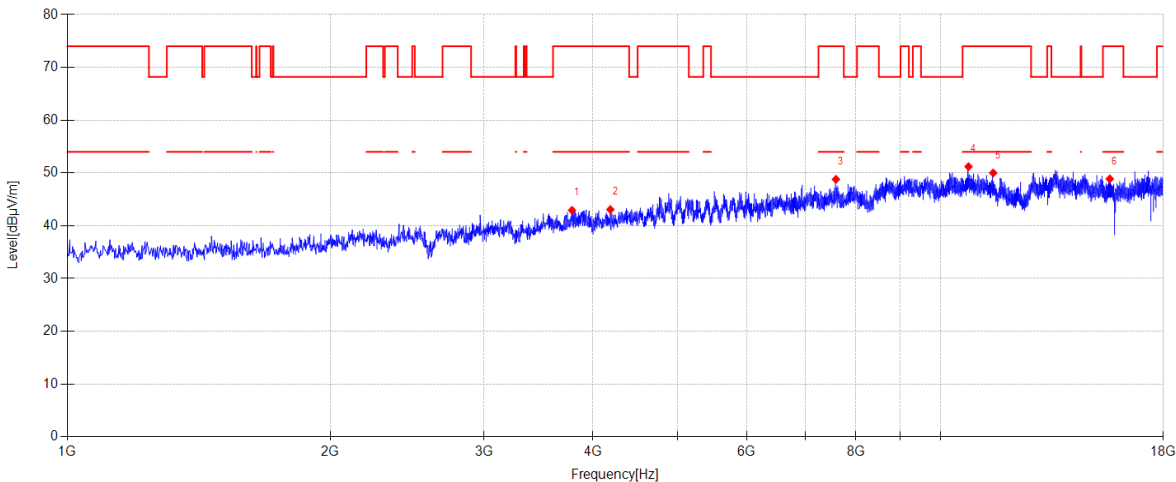
Note:

- 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: 2025-01-23 Tested By: Zhong Nan
EUT: In-vehicle Multimedia Host Model Number: MTCJ06-A03
Test Mode: ANT1 11A TX 5200MHz Mode Power Supply: DC 12V
Condition: Temp:23°C;Humi:59.5% Test Site: DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G 5G\4
Memo: Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3784.600	46.68	30.64	5.24	-39.63	42.93	74.00	31.07	PK	Vertical
2	4187.500	46.01	31.20	5.53	-39.67	43.07	74.00	30.93	PK	Vertical
3	7590.900	45.17	36.48	7.61	-40.47	48.79	74.00	25.21	PK	Vertical
4	10768.200	42.60	39.40	8.35	-39.14	51.21	74.00	22.79	PK	Vertical
5	11492.400	41.56	39.21	8.72	-39.49	50.00	74.00	24.00	PK	Vertical
6	15630.200	39.63	38.57	10.07	-39.40	48.87	74.00	25.13	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5240MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

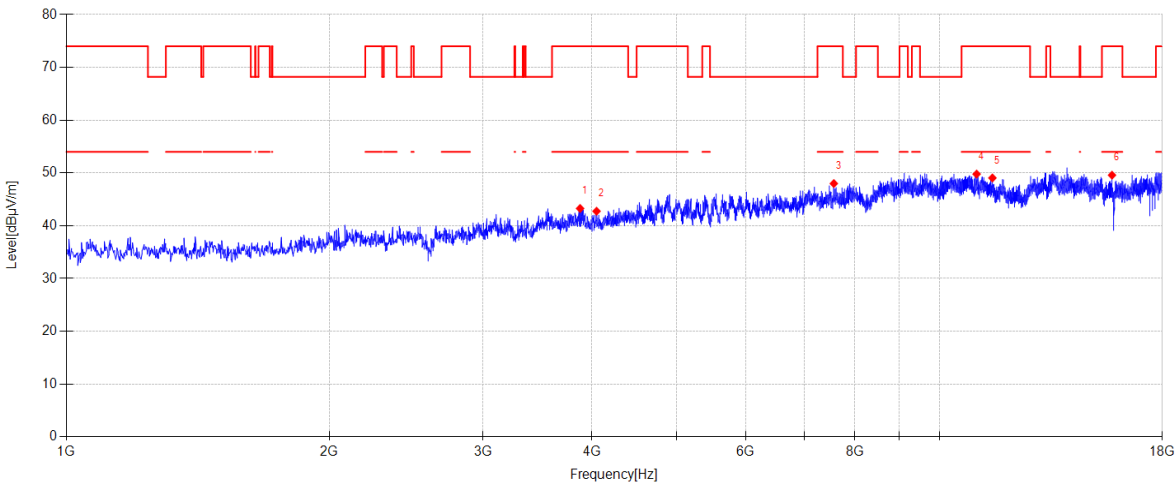
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3876.400	46.59	31.06	5.27	-39.65	43.27	74.00	30.73	PK	Horizontal
2	4048.100	46.06	31.00	5.37	-39.68	42.75	74.00	31.25	PK	Horizontal
3	7568.800	44.45	36.44	7.59	-40.49	47.99	74.00	26.01	PK	Horizontal
4	11030.000	41.08	39.30	8.44	-39.03	49.79	74.00	24.21	PK	Horizontal
5	11499.200	40.63	39.20	8.72	-39.50	49.05	74.00	24.95	PK	Horizontal
6	15762.800	40.48	38.37	10.13	-39.40	49.58	74.00	24.42	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5240MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

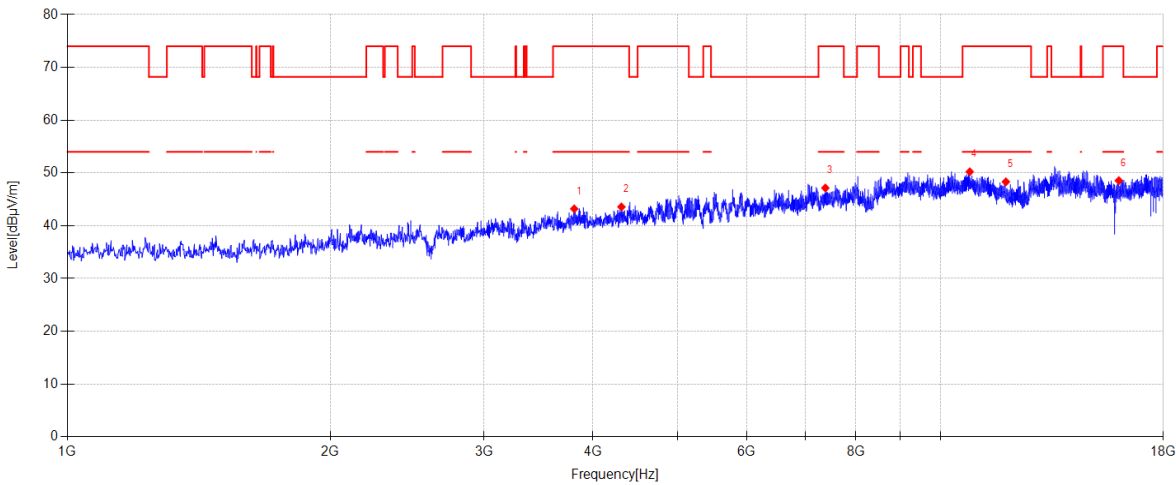
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3806.700	46.86	30.73	5.25	-39.63	43.21	74.00	30.79	PK	Vertical
2	4311.600	45.95	31.60	5.68	-39.66	43.57	74.00	30.43	PK	Vertical
3	7381.800	43.60	36.74	7.47	-40.66	47.15	74.00	26.85	PK	Vertical
4	10803.900	41.59	39.40	8.36	-39.12	50.23	74.00	23.77	PK	Vertical
5	11883.400	40.35	38.90	8.95	-39.88	48.32	74.00	25.68	PK	Vertical
6	16005.900	39.72	37.99	10.24	-39.40	48.55	74.00	25.45	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5260MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

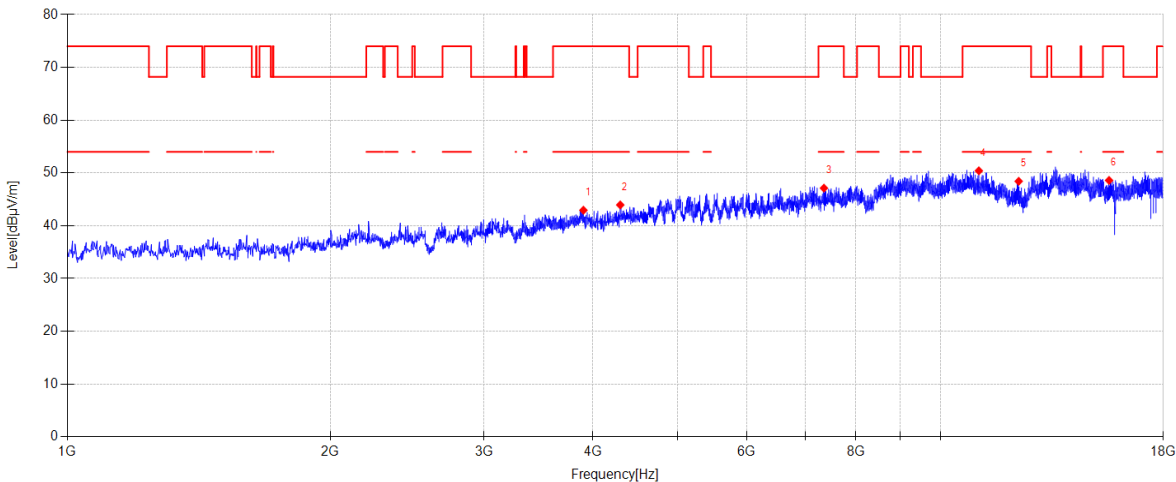
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3900.200	46.12	31.20	5.28	-39.66	42.94	74.00	31.06	PK	Horizontal
2	4298.000	46.35	31.59	5.66	-39.66	43.94	74.00	30.06	PK	Horizontal
3	7354.600	43.56	36.79	7.46	-40.68	47.13	74.00	26.87	PK	Horizontal
4	11065.700	41.72	39.30	8.46	-39.07	50.41	74.00	23.59	PK	Horizontal
5	12291.400	39.91	39.30	9.15	-39.94	48.42	74.00	25.58	PK	Horizontal
6	15599.600	39.33	38.60	10.06	-39.40	48.59	74.00	25.41	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5260MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

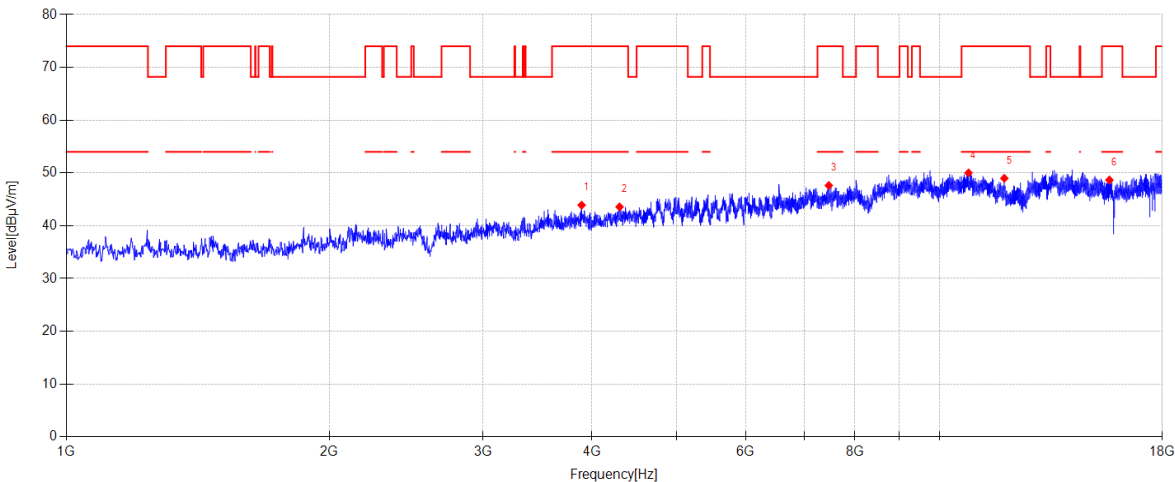
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3891.700	47.12	31.15	5.28	-39.65	43.90	74.00	30.10	PK	Vertical
2	4301.400	45.96	31.60	5.67	-39.66	43.57	74.00	30.43	PK	Vertical
3	7468.500	44.12	36.56	7.53	-40.58	47.63	74.00	26.37	PK	Vertical
4	10795.400	41.38	39.40	8.35	-39.12	50.01	74.00	23.99	PK	Vertical
5	11866.400	41.02	38.90	8.94	-39.87	48.99	74.00	25.01	PK	Vertical
6	15654.000	39.44	38.55	10.08	-39.40	48.67	74.00	25.33	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5300MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

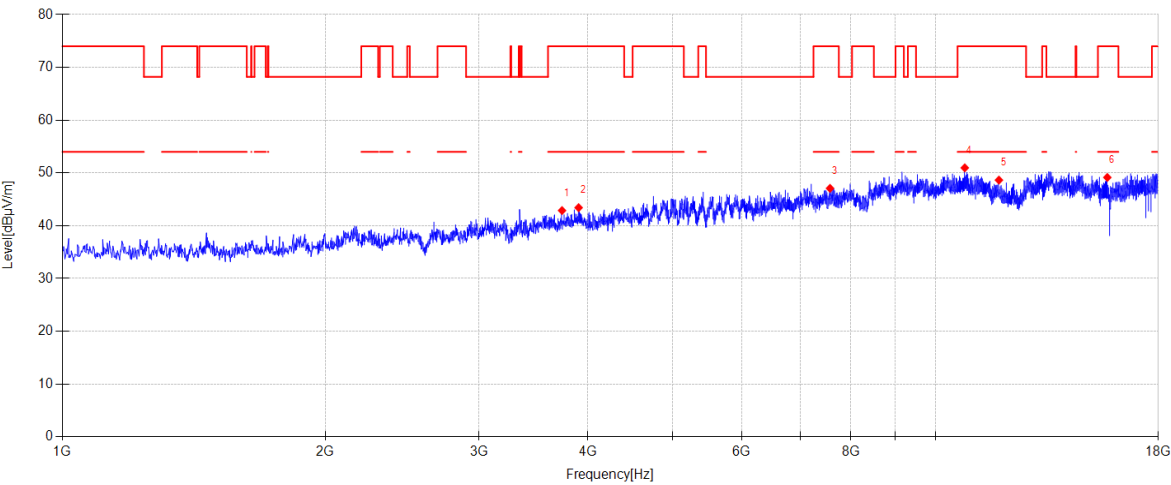
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3735.300	46.80	30.47	5.23	-39.62	42.88	74.00	31.12	PK	Horizontal
2	3901.900	46.60	31.20	5.28	-39.66	43.42	74.00	30.58	PK	Horizontal
3	7572.200	43.54	36.44	7.60	-40.49	47.09	74.00	26.91	PK	Horizontal
4	10803.900	42.33	39.40	8.36	-39.12	50.97	74.00	23.03	PK	Horizontal
5	11822.200	40.66	38.90	8.91	-39.82	48.65	74.00	25.35	PK	Horizontal
6	15733.900	40.00	38.43	10.12	-39.40	49.15	74.00	24.85	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: 2025-01-23 Tested By: Zhong Nan

EUT: In-vehicle Multimedia Host Model Number: MTCJ06-A03

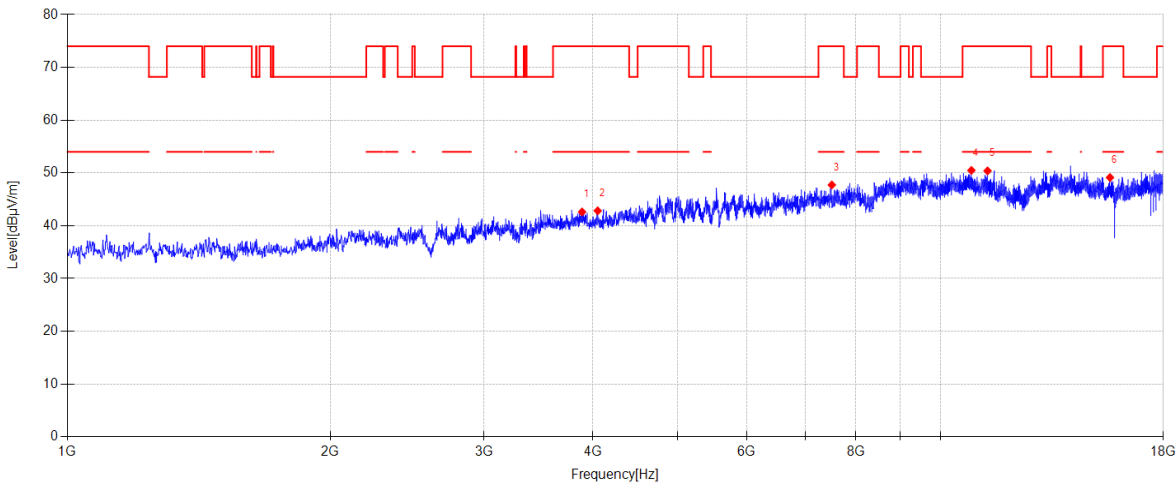
Test Mode: ANT1 11A TX 5300MHz Mode Power Supply: DC 12V

Condition: Temp:23°C;Humi:59.5% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G 5G\10

Memo: Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3886.600	45.87	31.12	5.27	-39.65	42.61	74.00	31.39	PK	Vertical
2	4049.800	46.14	31.00	5.37	-39.68	42.83	74.00	31.17	PK	Vertical
3	7509.300	44.23	36.48	7.56	-40.54	47.73	74.00	26.27	PK	Vertical
4	10849.800	41.86	39.35	8.37	-39.09	50.49	74.00	23.51	PK	Vertical
5	11322.400	41.88	39.22	8.61	-39.32	50.39	74.00	23.61	PK	Vertical
6	15637.000	39.89	38.56	10.08	-39.40	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5320MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

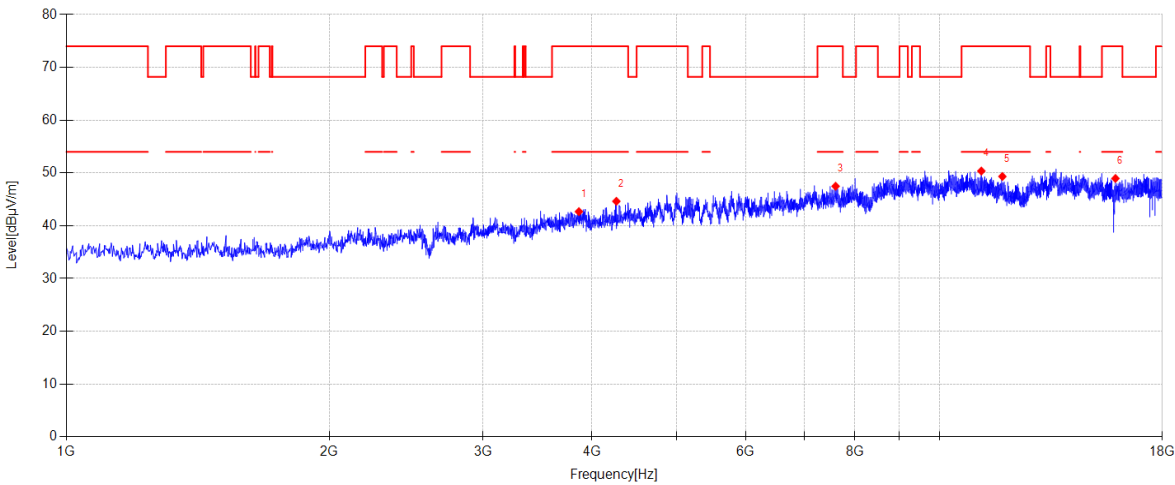
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3864.500	46.06	30.99	5.27	-39.65	42.67	74.00	31.33	PK	Horizontal
2	4265.700	47.20	31.46	5.63	-39.66	44.63	74.00	29.37	PK	Horizontal
3	7604.500	43.81	36.51	7.62	-40.46	47.48	74.00	26.52	PK	Horizontal
4	11167.700	41.78	39.23	8.52	-39.17	50.36	74.00	23.64	PK	Horizontal
5	11805.200	41.34	38.90	8.90	-39.81	49.33	74.00	24.67	PK	Horizontal
6	15905.600	40.07	38.09	10.20	-39.40	48.96	74.00	25.04	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5320MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

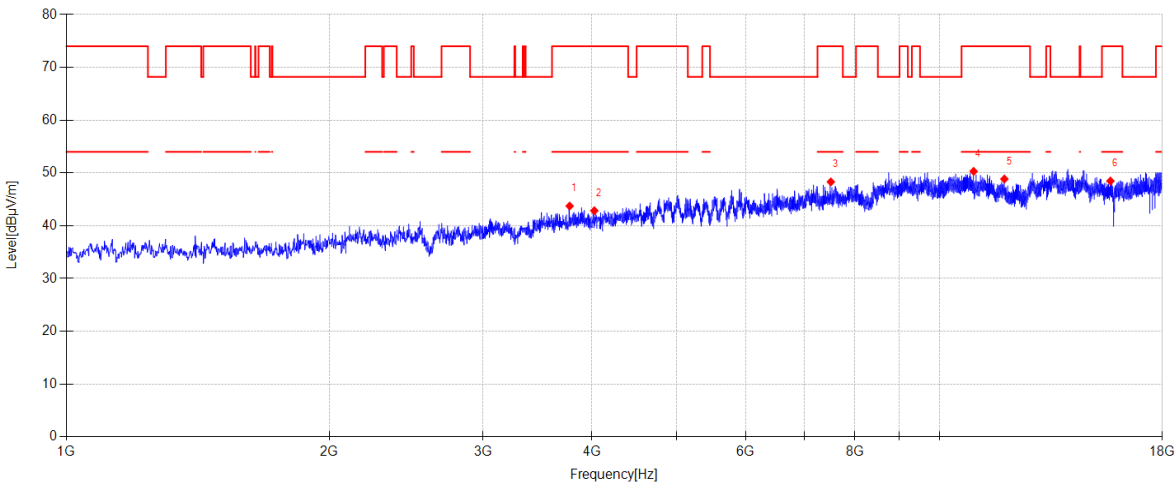
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3771.000	47.54	30.58	5.24	-39.63	43.73	74.00	30.27	PK	Vertical
2	4024.300	46.23	30.95	5.34	-39.68	42.84	74.00	31.16	PK	Vertical
3	7509.300	44.81	36.48	7.56	-40.54	48.31	74.00	25.69	PK	Vertical
4	10943.300	41.64	39.30	8.40	-39.03	50.31	74.00	23.69	PK	Vertical
5	11868.100	40.88	38.90	8.94	-39.87	48.85	74.00	25.15	PK	Vertical
6	15696.500	39.27	38.50	10.10	-39.40	48.47	74.00	25.53	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5500MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

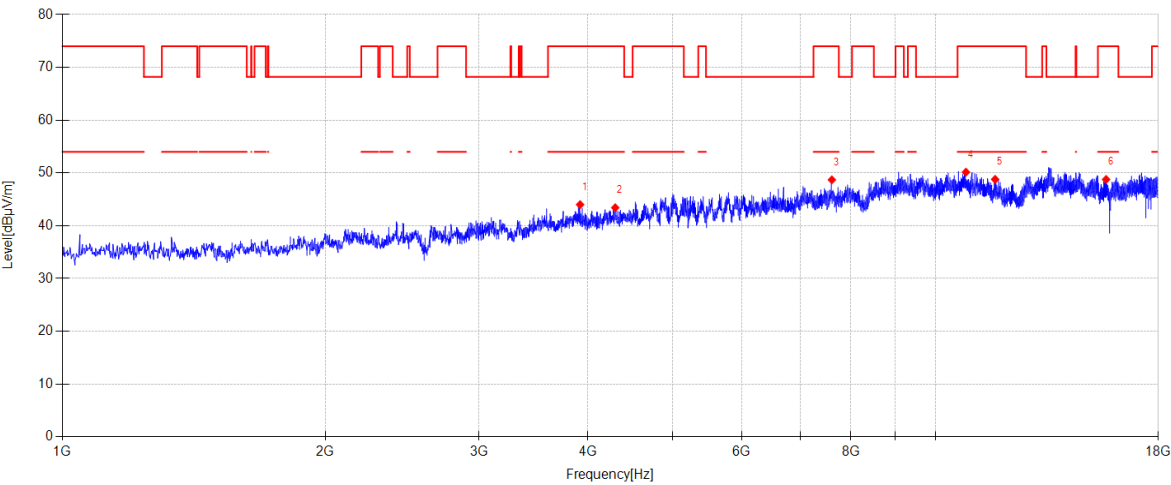
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3917.200	47.21	31.17	5.28	-39.66	44.00	74.00	30.00	PK	Horizontal
2	4298.000	45.83	31.59	5.66	-39.66	43.42	74.00	30.58	PK	Horizontal
3	7609.600	45.01	36.52	7.62	-40.45	48.70	74.00	25.30	PK	Horizontal
4	10837.900	41.52	39.36	8.37	-39.10	50.15	74.00	23.85	PK	Horizontal
5	11703.200	40.65	39.00	8.84	-39.70	48.79	74.00	25.21	PK	Horizontal
6	15682.900	39.55	38.52	10.10	-39.40	48.77	74.00	25.23	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5500MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

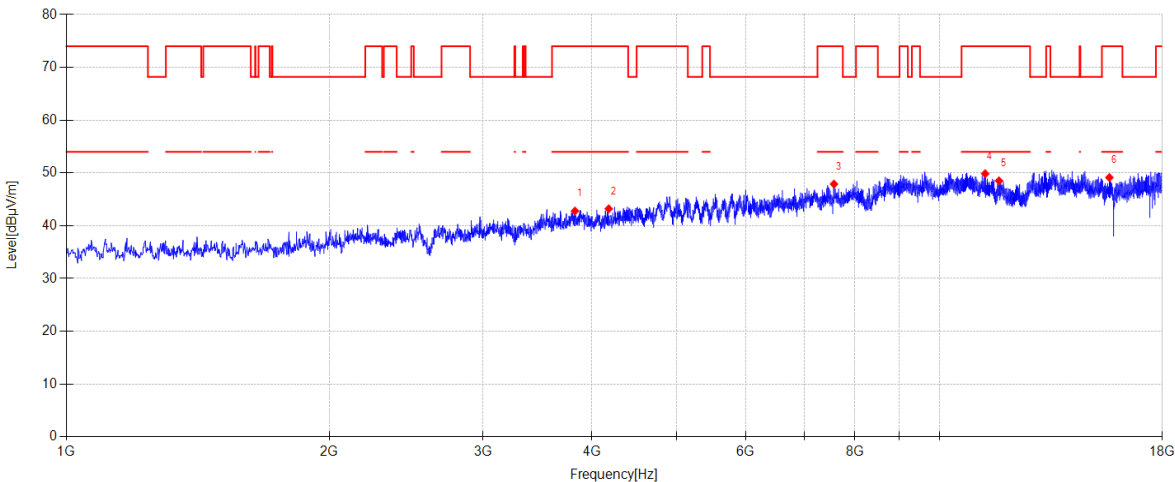
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3823.700	46.38	30.79	5.26	-39.64	42.79	74.00	31.21	PK	Vertical
2	4180.700	46.15	31.20	5.53	-39.67	43.21	74.00	30.79	PK	Vertical
3	7572.200	44.34	36.44	7.60	-40.49	47.89	74.00	26.11	PK	Vertical
4	11281.600	41.36	39.20	8.59	-39.28	49.87	74.00	24.13	PK	Vertical
5	11701.500	40.37	39.00	8.84	-39.70	48.51	74.00	25.49	PK	Vertical
6	15654.000	39.90	38.55	10.08	-39.40	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5600MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

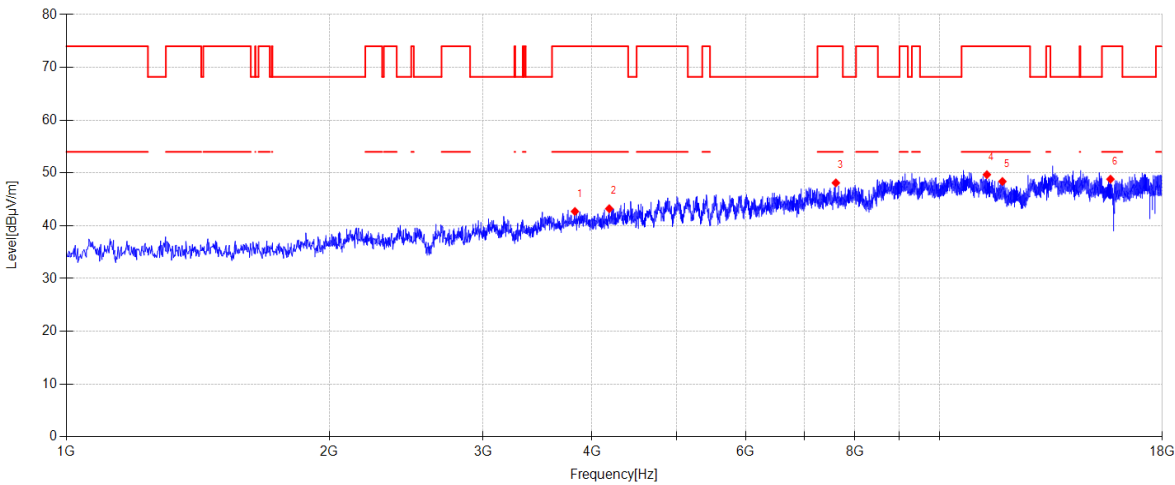
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3823.700	46.30	30.79	5.26	-39.64	42.71	74.00	31.29	PK	Horizontal
2	4185.800	46.17	31.20	5.53	-39.67	43.23	74.00	30.77	PK	Horizontal
3	7609.600	44.43	36.52	7.62	-40.45	48.12	74.00	25.88	PK	Horizontal
4	11332.600	41.16	39.23	8.62	-39.33	49.68	74.00	24.32	PK	Horizontal
5	11806.900	40.40	38.90	8.90	-39.81	48.39	74.00	25.61	PK	Horizontal
6	15699.900	39.62	38.50	10.10	-39.40	48.82	74.00	25.18	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5600MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

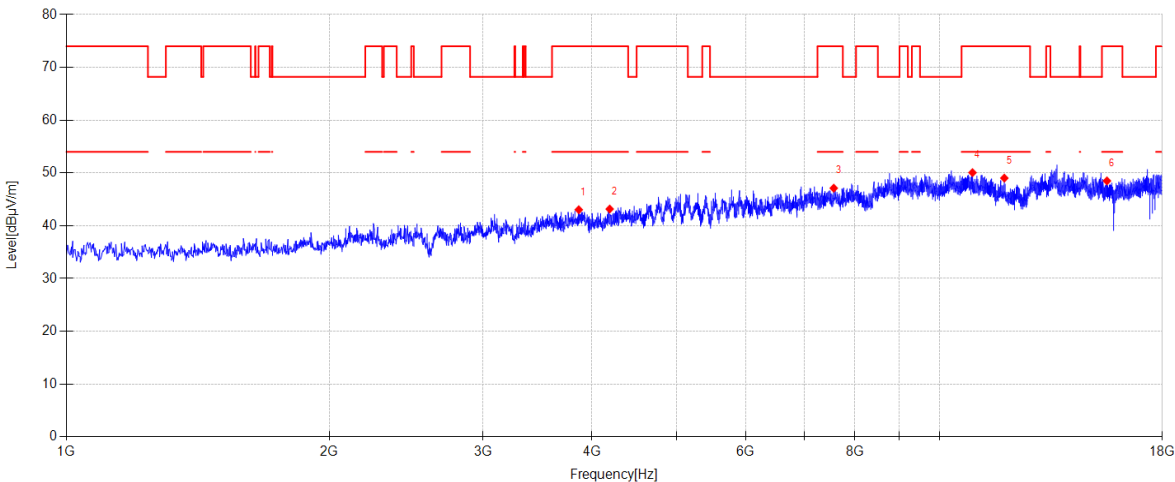
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3862.800	46.43	30.98	5.27	-39.65	43.03	74.00	30.97	PK	Vertical
2	4190.900	46.08	31.20	5.54	-39.66	43.16	74.00	30.84	PK	Vertical
3	7567.100	43.59	36.43	7.59	-40.49	47.12	74.00	26.88	PK	Vertical
4	10911.000	41.42	39.30	8.39	-39.05	50.06	74.00	23.94	PK	Vertical
5	11866.400	41.06	38.90	8.94	-39.87	49.03	74.00	24.97	PK	Vertical
6	15553.700	39.17	38.69	10.04	-39.40	48.50	74.00	25.50	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5700MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

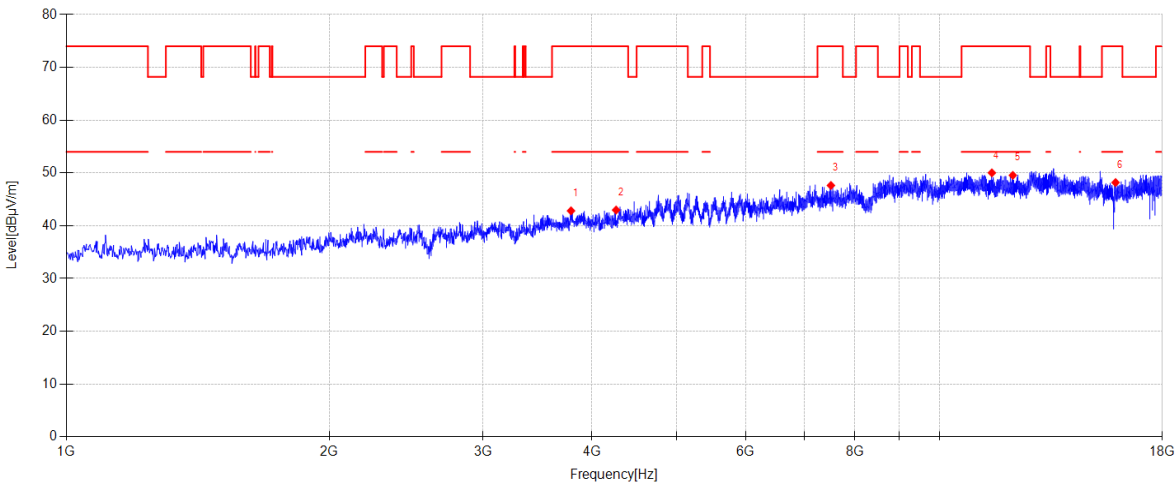
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3784.600	46.57	30.64	5.24	-39.63	42.82	74.00	31.18	PK	Horizontal
2	4262.300	45.57	31.45	5.62	-39.66	42.98	74.00	31.02	PK	Horizontal
3	7511.000	44.13	36.48	7.56	-40.54	47.63	74.00	26.37	PK	Horizontal
4	11482.200	41.57	39.22	8.71	-39.48	50.02	74.00	23.98	PK	Horizontal
5	12135.000	41.14	39.30	9.08	-39.97	49.55	74.00	24.45	PK	Horizontal
6	15910.700	39.30	38.09	10.20	-39.40	48.19	74.00	25.81	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5700MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

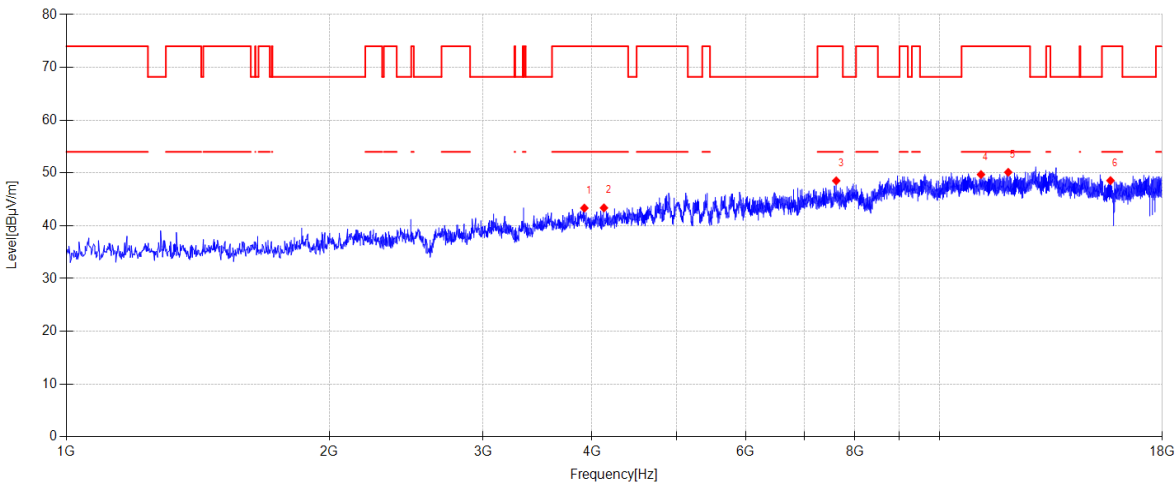
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3920.600	46.55	31.16	5.29	-39.66	43.34	74.00	30.66	PK	Vertical
2	4128.000	46.43	31.16	5.46	-39.67	43.38	74.00	30.62	PK	Vertical
3	7616.400	44.82	36.53	7.62	-40.45	48.52	74.00	25.48	PK	Vertical
4	11157.500	41.11	39.24	8.51	-39.16	49.70	74.00	24.30	PK	Vertical
5	11988.800	41.94	39.17	9.01	-39.99	50.13	74.00	23.87	PK	Vertical
6	15698.200	39.36	38.50	10.10	-39.40	48.56	74.00	25.44	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:2025-01-23

Tested By:Zhong Nan

EUT:In-vehicle Multimedia Host

Model Number:MTCJ06-A03

Test Mode:ANT1 11A TX 5720MHz Mode

Power Supply:DC 12V

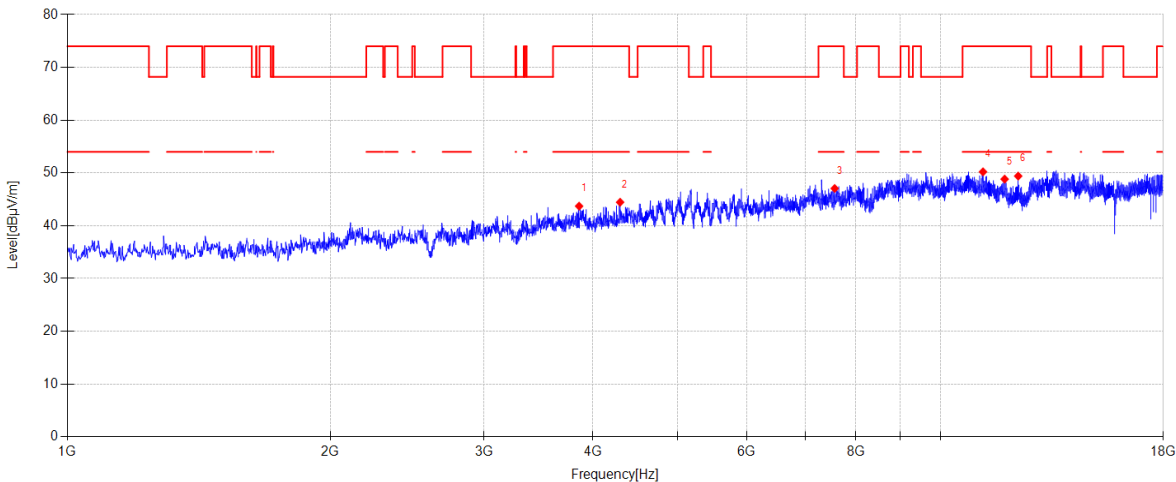
Condition:Temp:23°C;Humi:59.5%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G 5G\19

Memo:Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3856.000	47.15	30.94	5.27	-39.65	43.71	74.00	30.29	PK	Horizontal
2	4296.300	46.86	31.59	5.66	-39.66	44.45	74.00	29.55	PK	Horizontal
3	7565.400	43.54	36.43	7.59	-40.49	47.07	74.00	26.93	PK	Horizontal
4	11188.100	41.66	39.21	8.53	-39.19	50.21	74.00	23.79	PK	Horizontal
5	11844.300	40.84	38.90	8.93	-39.84	48.83	74.00	25.17	PK	Horizontal
6	12274.400	40.91	39.30	9.15	-39.95	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:

2025-01-23

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5720MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

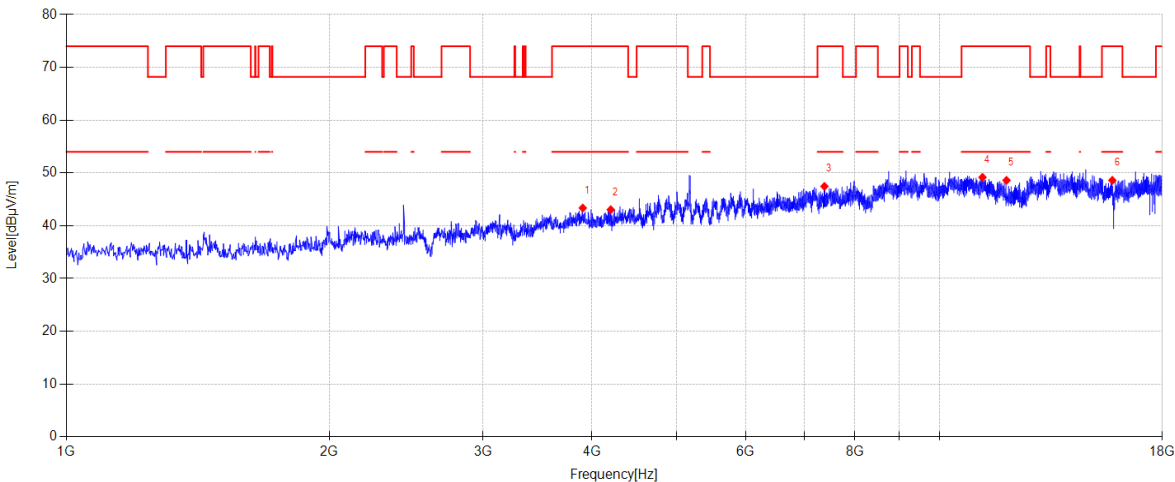
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



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	3903.600	46.55	31.19	5.28	-39.66	43.36	74.00	30.64	PK	Vertical
2	4202.800	45.94	31.21	5.55	-39.66	43.04	74.00	30.96	PK	Vertical
3	7383.500	43.90	36.73	7.48	-40.65	47.46	74.00	26.54	PK	Vertical
4	11201.700	40.63	39.20	8.54	-39.20	49.17	74.00	24.83	PK	Vertical
5	11934.400	40.55	39.00	8.98	-39.93	48.60	74.00	25.40	PK	Vertical
6	15776.400	39.51	38.35	10.14	-39.40	48.60	74.00	25.40	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:

2025-01-19

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

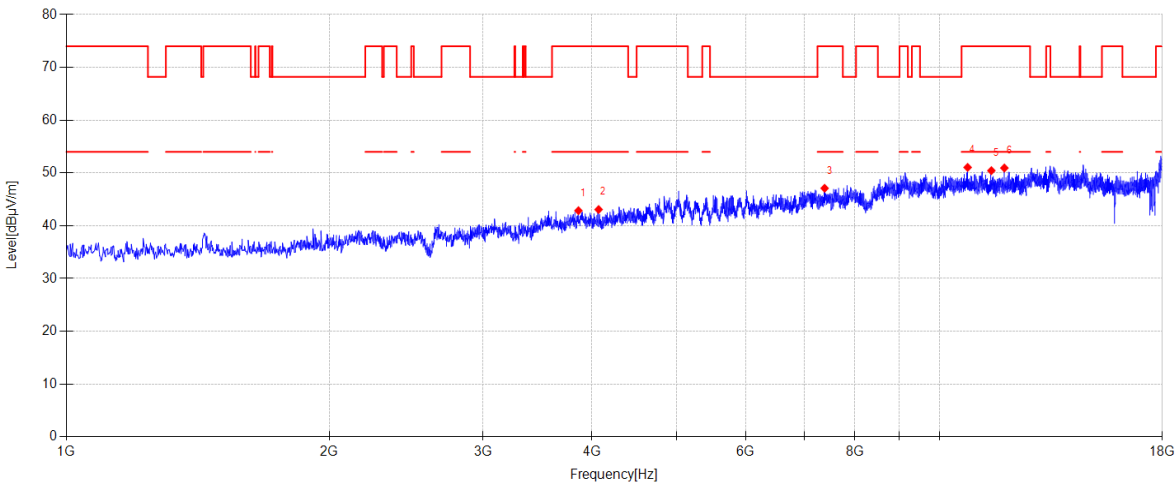
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3859.400	46.27	30.96	5.27	-39.65	42.85	74.00	31.15	PK	Horizontal
2	4070.200	46.31	31.04	5.39	-39.67	43.07	74.00	30.93	PK	Horizontal
3	7386.900	43.54	36.73	7.48	-40.65	47.10	74.00	26.90	PK	Horizontal
4	10771.600	42.44	39.40	8.35	-39.14	51.05	74.00	22.95	PK	Horizontal
5	11466.900	41.98	39.23	8.70	-39.47	50.44	74.00	23.56	PK	Horizontal
6	11868.100	42.97	38.90	8.94	-39.87	50.94	74.00	23.06	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:

2025-01-19

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

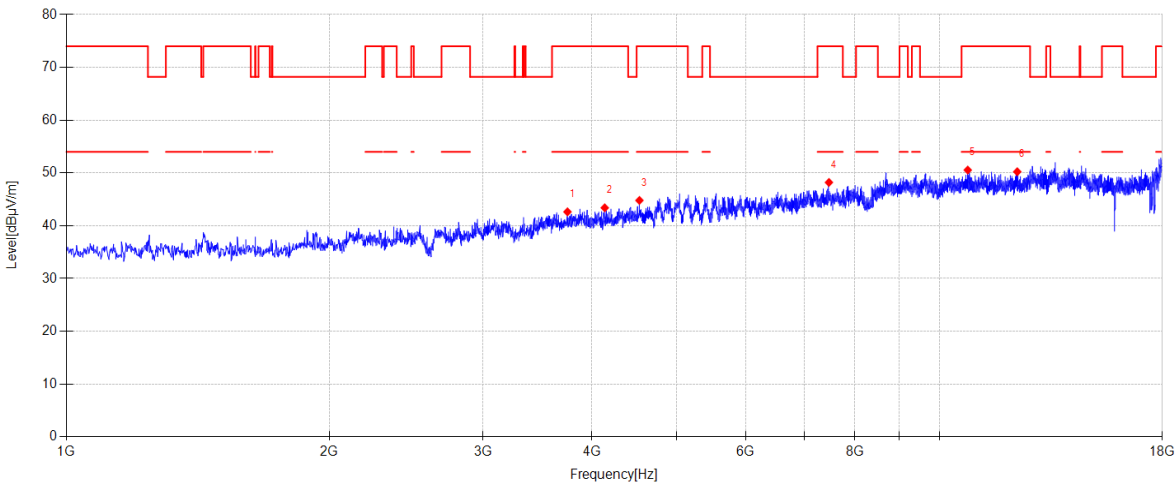
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d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G MASK\2

Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3748.900	46.52	30.50	5.23	-39.62	42.63	74.00	31.37	PK	Vertical
2	4136.500	46.43	31.17	5.47	-39.67	43.40	74.00	30.60	PK	Vertical
3	4532.600	46.63	31.87	5.94	-39.64	44.80	74.00	29.20	PK	Vertical
4	7471.900	44.70	36.56	7.53	-40.58	48.21	74.00	25.79	PK	Vertical
5	10775.000	41.94	39.40	8.35	-39.14	50.55	74.00	23.45	PK	Vertical
6	12277.800	41.72	39.30	9.15	-39.94	50.23	74.00	23.77	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:

2025-01-19

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

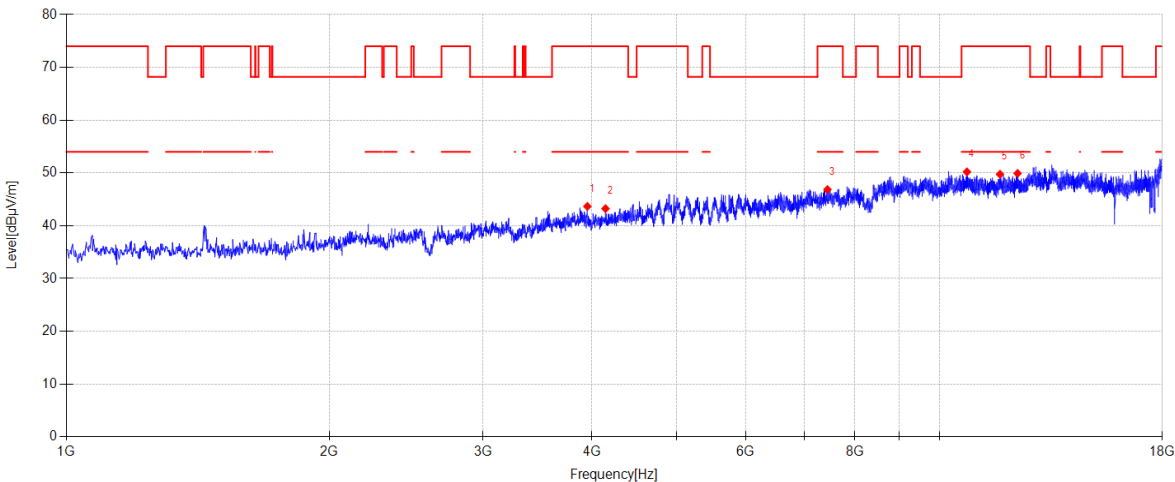
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3951.200	46.95	31.10	5.29	-39.67	43.67	74.00	30.33	PK	Horizontal
2	4145.000	46.24	31.19	5.48	-39.67	43.24	74.00	30.76	PK	Horizontal
3	7443.000	43.34	36.61	7.51	-40.60	46.86	74.00	27.14	PK	Horizontal
4	10752.900	41.62	39.40	8.34	-39.15	50.21	74.00	23.79	PK	Horizontal
5	11730.400	41.65	38.97	8.86	-39.73	49.75	74.00	24.25	PK	Horizontal
6	12288.000	41.41	39.30	9.15	-39.94	49.92	74.00	24.08	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:

2025-01-19

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

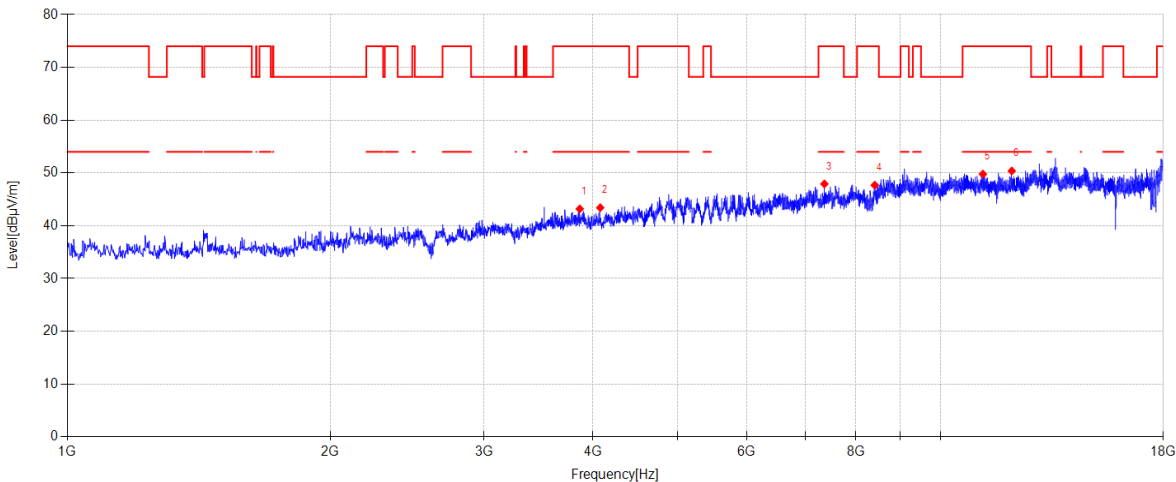
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3862.800	46.59	30.98	5.27	-39.65	43.19	74.00	30.81	PK	Vertical
2	4077.000	46.64	31.05	5.40	-39.67	43.42	74.00	30.58	PK	Vertical
3	7363.100	44.36	36.77	7.46	-40.67	47.92	74.00	26.08	PK	Vertical
4	8408.600	41.77	37.50	7.98	-39.57	47.68	74.00	26.32	PK	Vertical
5	11184.700	41.21	39.22	8.53	-39.18	49.78	74.00	24.22	PK	Vertical
6	12068.700	42.05	39.27	9.05	-39.99	50.38	74.00	23.62	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:

2025-01-20

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

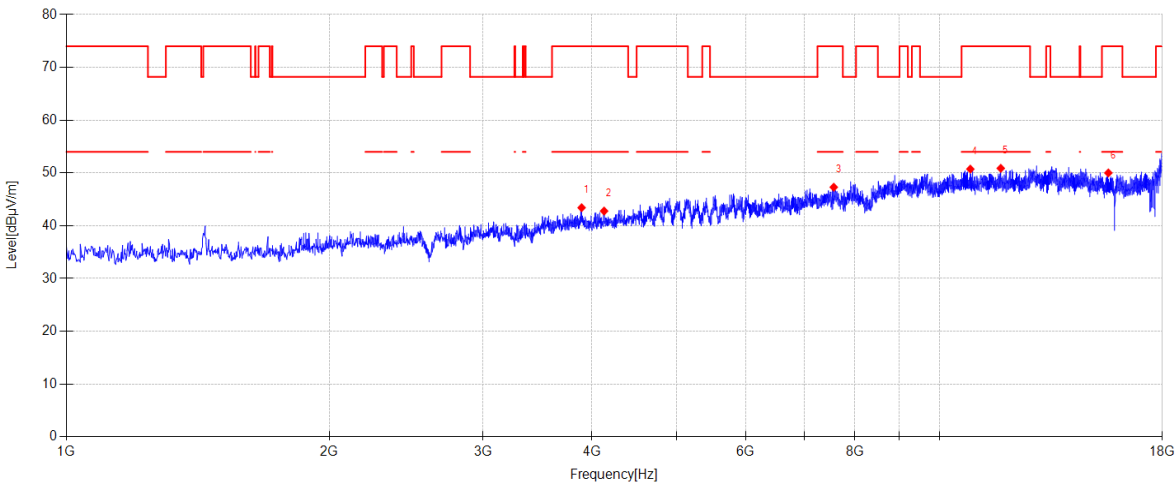
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Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3891.700	46.64	31.15	5.28	-39.65	43.42	74.00	30.58	PK	Horizontal
2	4129.700	45.83	31.16	5.46	-39.67	42.78	74.00	31.22	PK	Horizontal
3	7567.100	43.77	36.43	7.59	-40.49	47.30	74.00	26.70	PK	Horizontal
4	10848.100	42.10	39.35	8.37	-39.09	50.73	74.00	23.27	PK	Horizontal
5	11754.200	42.81	38.95	8.87	-39.75	50.88	74.00	23.12	PK	Horizontal
6	15611.500	40.75	38.59	10.07	-39.40	50.01	74.00	23.99	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:

2025-01-20

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT1 11A TX 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

DDT 3# Chamber

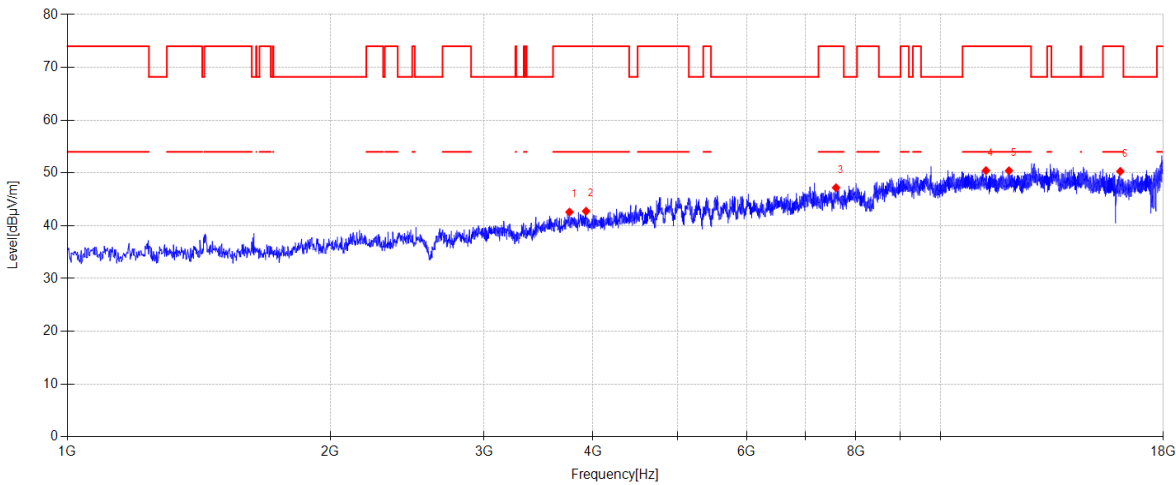
File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G MASK\6

Memo:

Sample Number:S24122405-001 Power Setting:13

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3759.100	46.43	30.54	5.24	-39.62	42.59	74.00	31.41	PK	Vertical
2	3927.400	45.98	31.15	5.29	-39.66	42.76	74.00	31.24	PK	Vertical
3	7592.600	43.58	36.49	7.61	-40.47	47.21	74.00	26.79	PK	Vertical
4	11274.800	41.93	39.20	8.58	-39.27	50.44	74.00	23.56	PK	Vertical
5	11980.300	42.25	39.14	9.01	-39.98	50.42	74.00	23.58	PK	Vertical
6	16068.800	41.54	37.93	10.29	-39.45	50.31	74.00	23.69	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5180MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

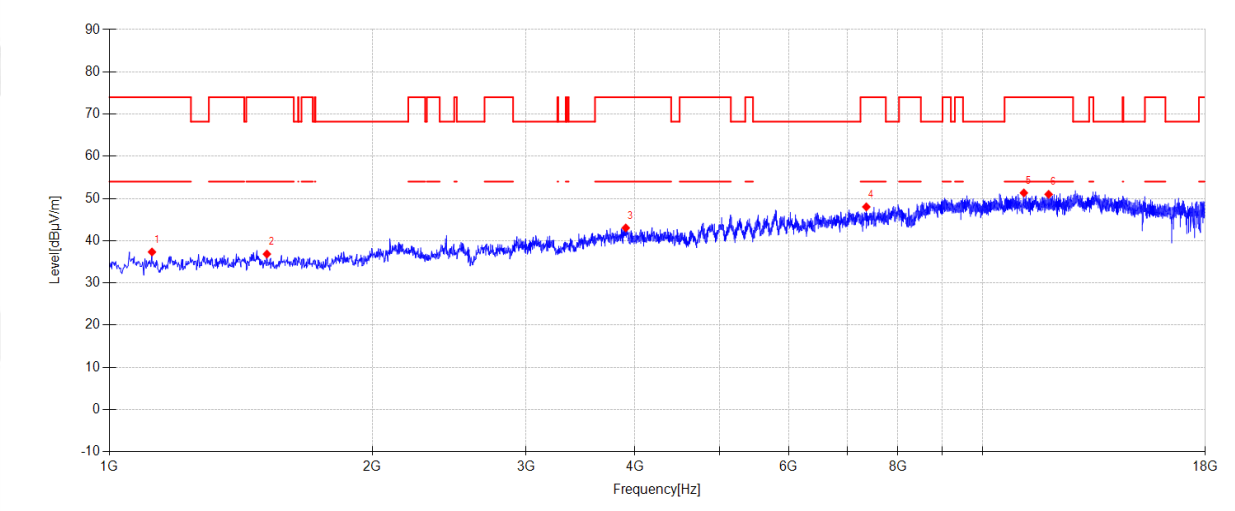
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\25

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1119.000	46.71	24.61	2.92	-36.91	37.33	74.00	36.67	PK	Horizontal
2	1515.100	45.66	25.29	3.37	-37.48	36.84	74.00	37.16	PK	Horizontal
3	3903.600	46.22	31.19	5.28	-39.66	43.03	74.00	30.97	PK	Horizontal
4	7361.400	44.45	36.78	7.46	-40.67	48.02	74.00	25.98	PK	Horizontal
5	11154.100	42.72	39.25	8.51	-39.15	51.33	74.00	22.67	PK	Horizontal
6	11907.200	43.02	38.92	8.96	-39.91	50.99	74.00	23.01	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5180MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

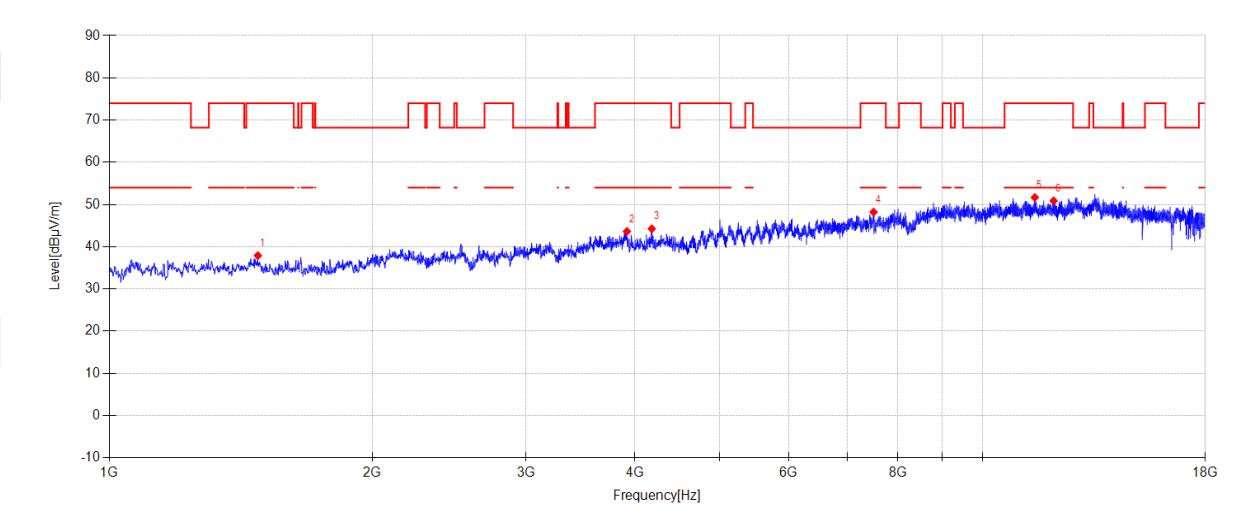
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1479.400	46.58	25.42	3.33	-37.43	37.90	74.00	36.10	PK	Vertical
2	3915.500	46.85	31.17	5.28	-39.66	43.64	74.00	30.36	PK	Vertical
3	4180.700	47.20	31.20	5.53	-39.67	44.26	74.00	29.74	PK	Vertical
4	7504.200	44.72	36.49	7.55	-40.55	48.21	74.00	25.79	PK	Vertical
5	11480.500	43.23	39.22	8.71	-39.48	51.68	74.00	22.32	PK	Vertical
6	12063.600	42.55	39.26	9.05	-39.99	50.87	74.00	23.13	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5200MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

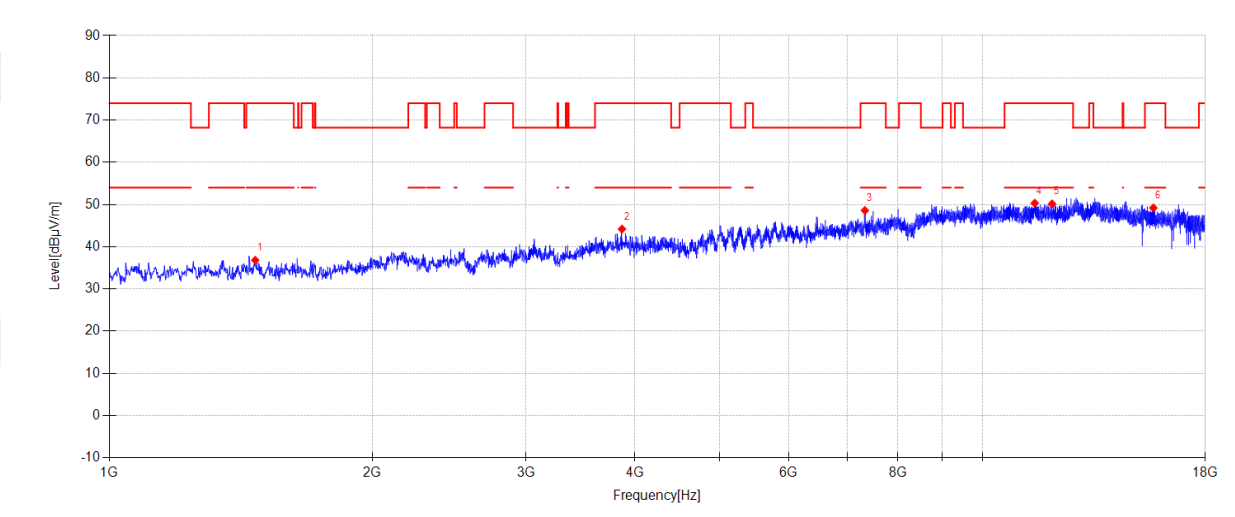
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1469.200	45.53	25.38	3.32	-37.42	36.81	74.00	37.19	PK	Horizontal
2	3864.500	47.58	30.99	5.27	-39.65	44.19	74.00	29.81	PK	Horizontal
3	7334.200	45.01	36.83	7.44	-40.70	48.58	74.00	25.42	PK	Horizontal
4	11478.800	41.86	39.22	8.71	-39.48	50.31	74.00	23.69	PK	Horizontal
5	12016.000	41.90	39.22	9.03	-40.00	50.15	74.00	23.85	PK	Horizontal
6	15694.800	39.99	38.51	10.10	-39.40	49.20	74.00	24.80	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5200MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

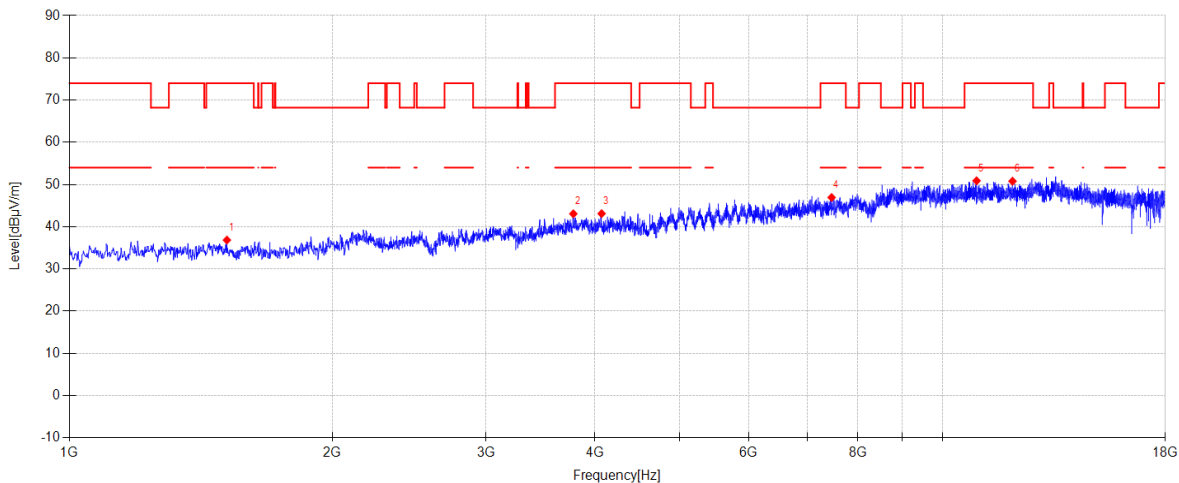
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\28

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1515.100	45.66	25.29	3.37	-37.48	36.84	74.00	37.16	PK	Vertical
2	3777.800	46.84	30.61	5.24	-39.63	43.06	74.00	30.94	PK	Vertical
3	4070.200	46.34	31.04	5.39	-39.67	43.10	74.00	30.90	PK	Vertical
4	7465.100	43.41	36.57	7.53	-40.58	46.93	74.00	27.07	PK	Vertical
5	10941.600	42.23	39.30	8.40	-39.04	50.89	74.00	23.11	PK	Vertical
6	12029.600	42.52	39.23	9.03	-39.99	50.79	74.00	23.21	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5240MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

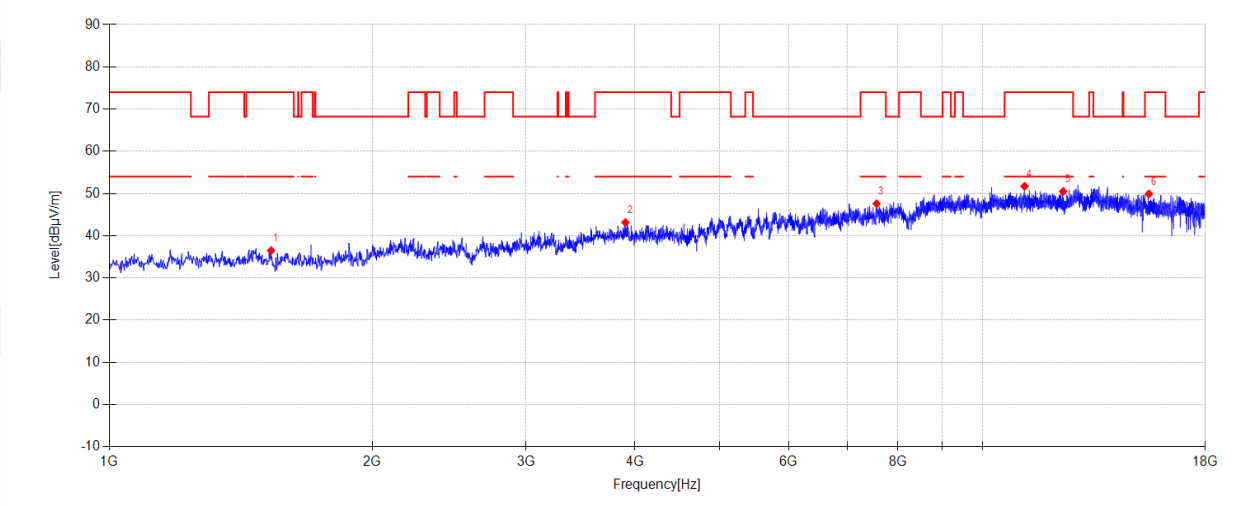
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\29

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1532.100	45.55	25.05	3.39	-37.51	36.48	74.00	37.52	PK	Horizontal
2	3900.200	46.33	31.20	5.28	-39.66	43.15	74.00	30.85	PK	Horizontal
3	7563.700	44.06	36.43	7.59	-40.49	47.59	74.00	26.41	PK	Horizontal
4	11172.800	43.13	39.23	8.52	-39.17	51.71	74.00	22.29	PK	Horizontal
5	12374.700	41.92	39.30	9.19	-39.93	50.48	74.00	23.52	PK	Horizontal
6	15509.500	40.50	38.78	10.02	-39.40	49.90	74.00	24.10	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5240MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

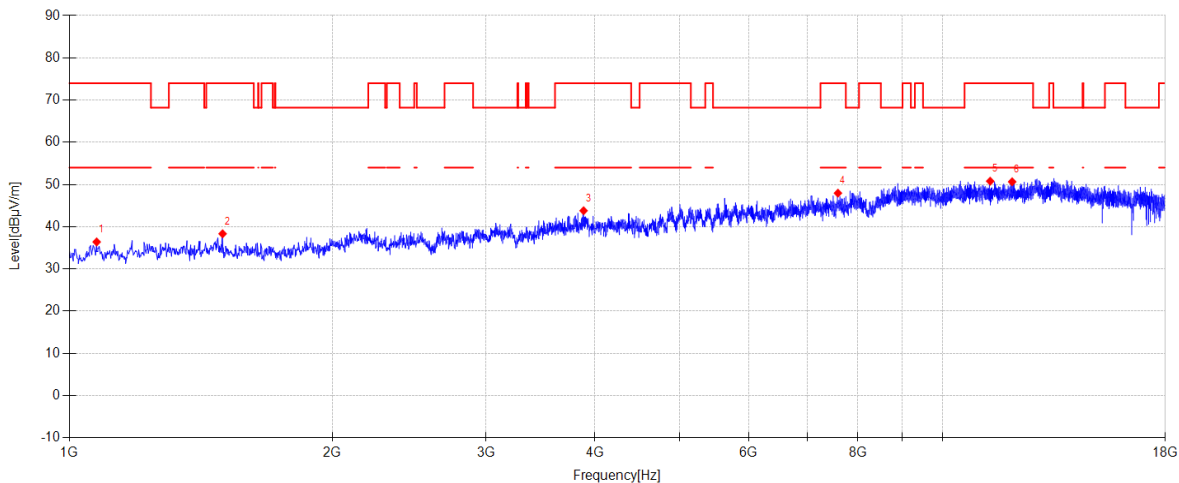
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1074.800	45.93	24.45	2.87	-36.85	36.40	74.00	37.60	PK	Vertical
2	1498.100	46.95	25.49	3.35	-37.46	38.33	74.00	35.67	PK	Vertical
3	3881.500	47.09	31.09	5.27	-39.65	43.80	74.00	30.20	PK	Vertical
4	7590.900	44.34	36.48	7.61	-40.47	47.96	74.00	26.04	PK	Vertical
5	11341.100	42.27	39.24	8.62	-39.34	50.79	74.00	23.21	PK	Vertical
6	12017.700	42.39	39.22	9.03	-40.00	50.64	74.00	23.36	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5260MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

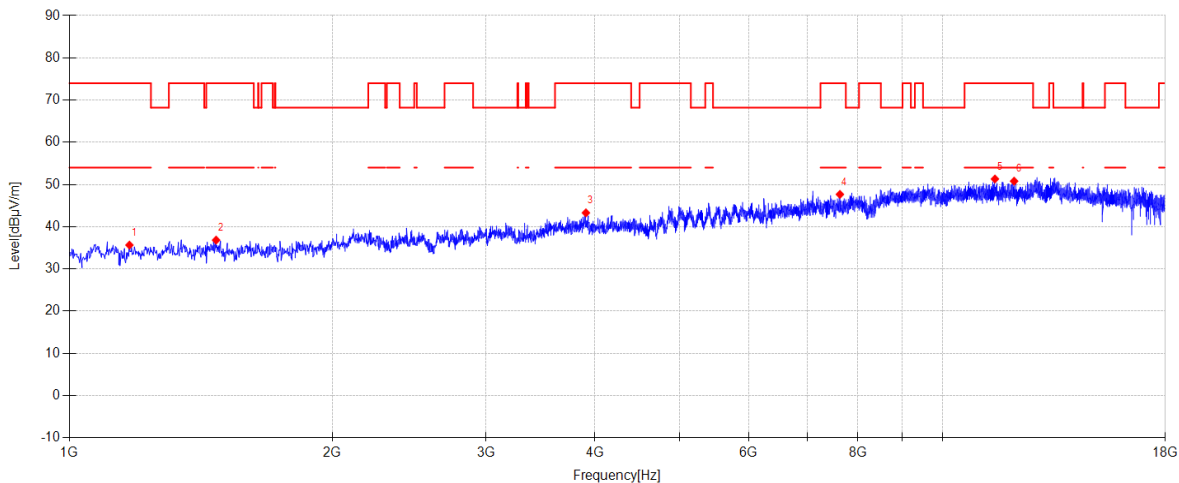
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\31

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1171.700	44.82	24.84	2.98	-36.99	35.65	74.00	38.35	PK	Horizontal
2	1472.600	45.54	25.39	3.32	-37.42	36.83	74.00	37.17	PK	Horizontal
3	3905.300	46.48	31.19	5.28	-39.66	43.29	74.00	30.71	PK	Horizontal
4	7630.000	43.90	36.56	7.63	-40.43	47.66	74.00	26.34	PK	Horizontal
5	11483.900	42.86	39.22	8.71	-39.48	51.31	74.00	22.69	PK	Horizontal
6	12080.600	42.44	39.28	9.06	-39.98	50.80	74.00	23.20	PK	Horizontal

Note:

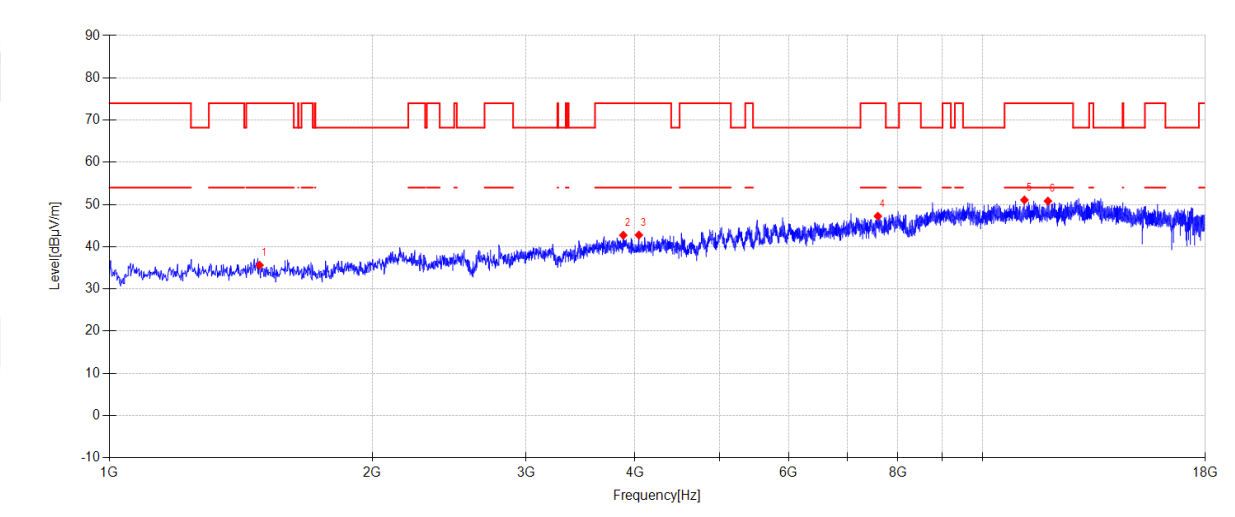
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-04-22 Tested By: Zhong Nan
EUT: In-vehicle Multimedia Host Model Number: MTCJ06-A03
Test Mode: ANT2 11A TX 5260MHz Mode Power Supply: DC 12V
Condition: Temp:23°C;Humi:59.5% Test Site: DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\32
Memo: Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1486.200	44.29	25.44	3.34	-37.44	35.63	74.00	38.37	PK	Vertical
2	3878.100	46.03	31.07	5.27	-39.65	42.72	74.00	31.28	PK	Vertical
3	4041.300	46.10	30.98	5.36	-39.68	42.76	74.00	31.24	PK	Vertical
4	7589.200	43.61	36.48	7.61	-40.47	47.23	74.00	26.77	PK	Vertical
5	11171.100	42.49	39.23	8.52	-39.17	51.07	74.00	22.93	PK	Vertical
6	11885.100	42.86	38.90	8.95	-39.89	50.82	74.00	23.18	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5300MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

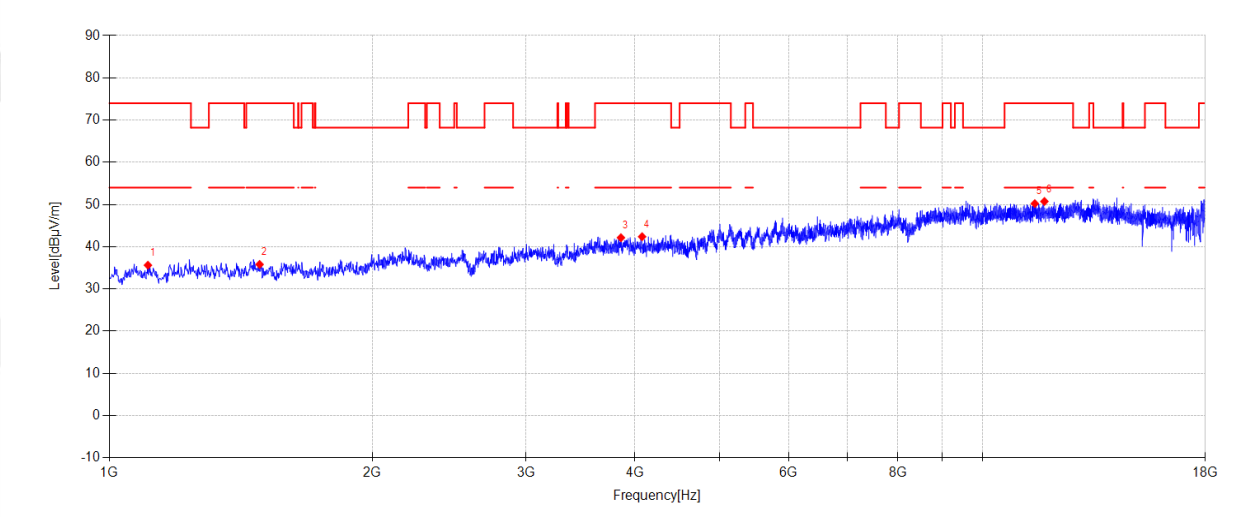
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\33

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1107.100	45.06	24.54	2.91	-36.89	35.62	74.00	38.38	PK	Horizontal
2	1486.200	44.47	25.44	3.34	-37.44	35.81	74.00	38.19	PK	Horizontal
3	3854.300	45.60	30.93	5.26	-39.65	42.14	74.00	31.86	PK	Horizontal
4	4075.300	45.59	31.05	5.40	-39.67	42.37	74.00	31.63	PK	Horizontal
5	11480.500	41.77	39.22	8.71	-39.48	50.22	74.00	23.78	PK	Horizontal
6	11774.600	42.69	38.93	8.88	-39.77	50.73	74.00	23.27	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5300MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

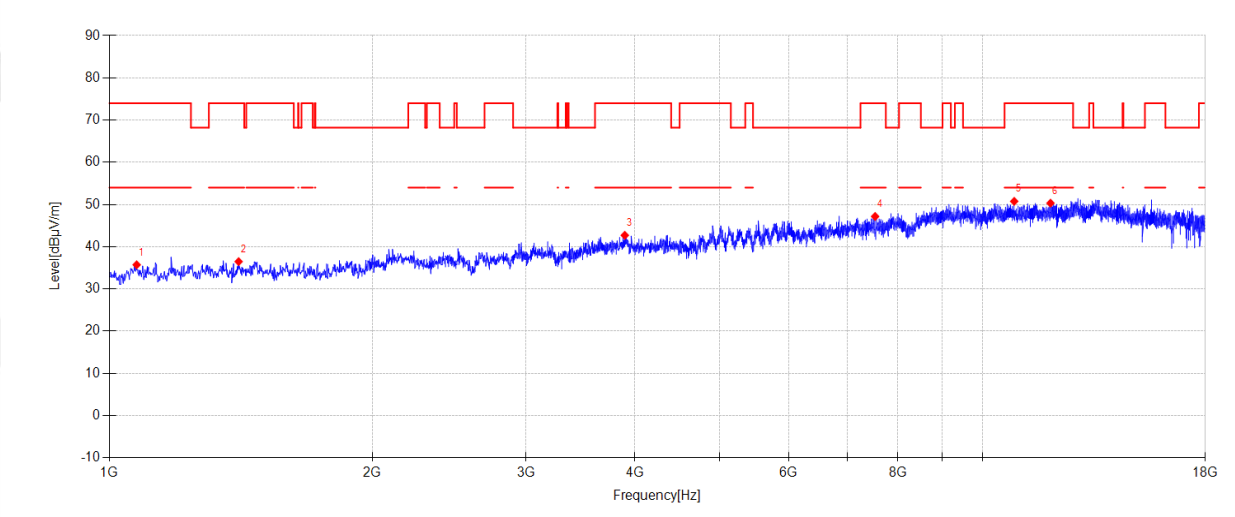
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\34

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1074.800	45.25	24.45	2.87	-36.85	35.72	74.00	38.28	PK	Vertical
2	1406.300	45.43	25.13	3.25	-37.33	36.48	74.00	37.52	PK	Vertical
3	3893.400	45.91	31.16	5.28	-39.65	42.70	74.00	31.30	PK	Vertical
4	7534.800	43.69	36.43	7.57	-40.52	47.17	74.00	26.83	PK	Vertical
5	10873.600	42.12	39.33	8.38	-39.08	50.75	74.00	23.25	PK	Vertical
6	11965.000	42.19	39.10	9.00	-39.97	50.32	74.00	23.68	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:

2025-04-22

Tested By:

Zhong Nan

EUT:

In-vehicle Multimedia Host

Model Number:

MTCJ06-A03

Test Mode:

ANT2 11A TX 5320MHz Mode

Power Supply:

DC 12V

Condition:

Temp:23°C;Humi:59.5%

Test Site:

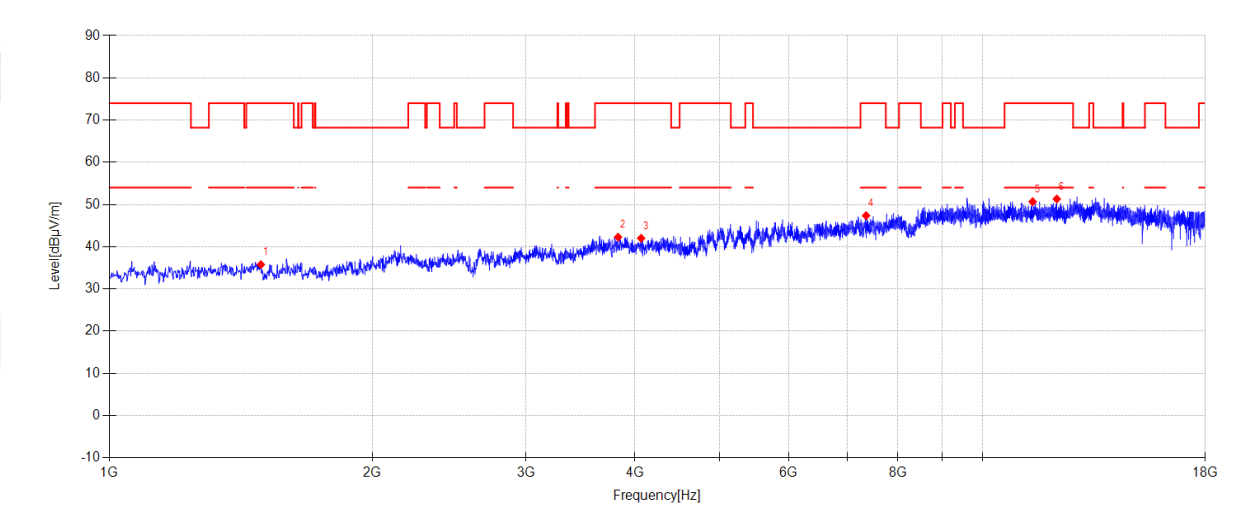
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24122405-5E\FCC ABOVE1G ANT2\35

Memo:

Sample Number:S24122405-001 Power Setting:13



Suspected Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1491.300	44.40	25.47	3.35	-37.45	35.77	74.00	38.23	PK	Horizontal
2	3825.400	45.86	30.80	5.26	-39.64	42.28	74.00	31.72	PK	Horizontal
3	4065.100	45.26	31.03	5.39	-39.67	42.01	74.00	31.99	PK	Horizontal
4	7356.300	43.80	36.79	7.46	-40.68	47.37	74.00	26.63	PK	Horizontal
5	11415.900	42.14	39.28	8.67	-39.42	50.67	74.00	23.33	PK	Horizontal
6	12165.600	42.87	39.30	9.10	-39.97	51.30	74.00	22.70	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.