

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 1M 2480MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

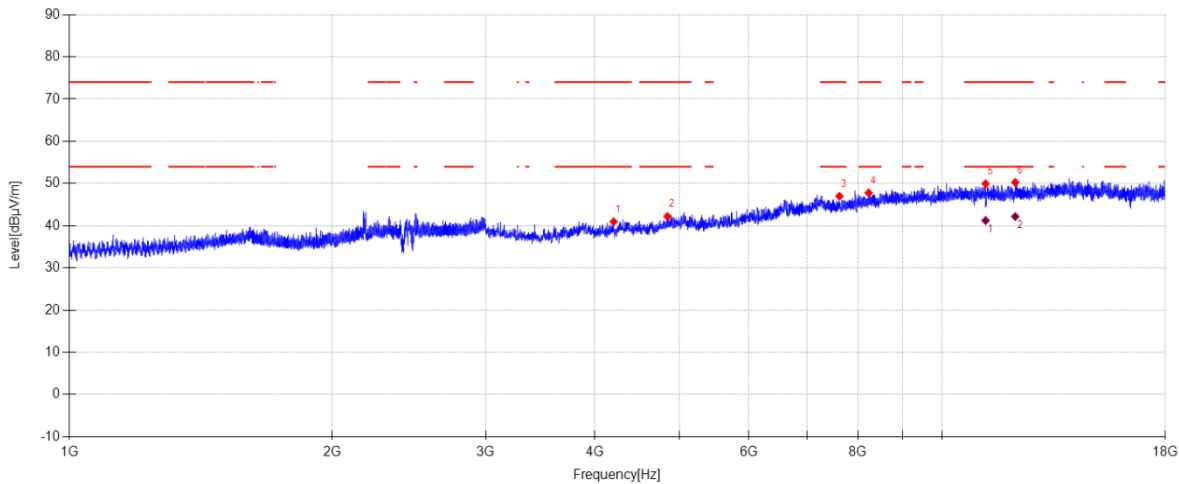
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\5

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4201.500	49.22	31.90	-40.16	40.96	74.00	33.04	PK	Horizontal
2	4842.000	49.24	33.37	-40.41	42.20	74.00	31.80	PK	Horizontal
3	7621.500	48.56	37.24	-38.80	47.00	74.00	27.00	PK	Horizontal
4	8232.000	48.09	37.90	-38.21	47.78	74.00	26.22	PK	Horizontal
5	11203.500	45.47	39.90	-35.42	49.95	74.00	24.05	PK	Horizontal
6	12117.000	45.30	39.90	-34.93	50.27	74.00	23.73	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11203.500	36.75	39.90	-35.42	41.23	54.00	12.77	AV	Horizontal
2	12117.000	37.19	39.90	-34.93	42.16	54.00	11.84	AV	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 1M 2480MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

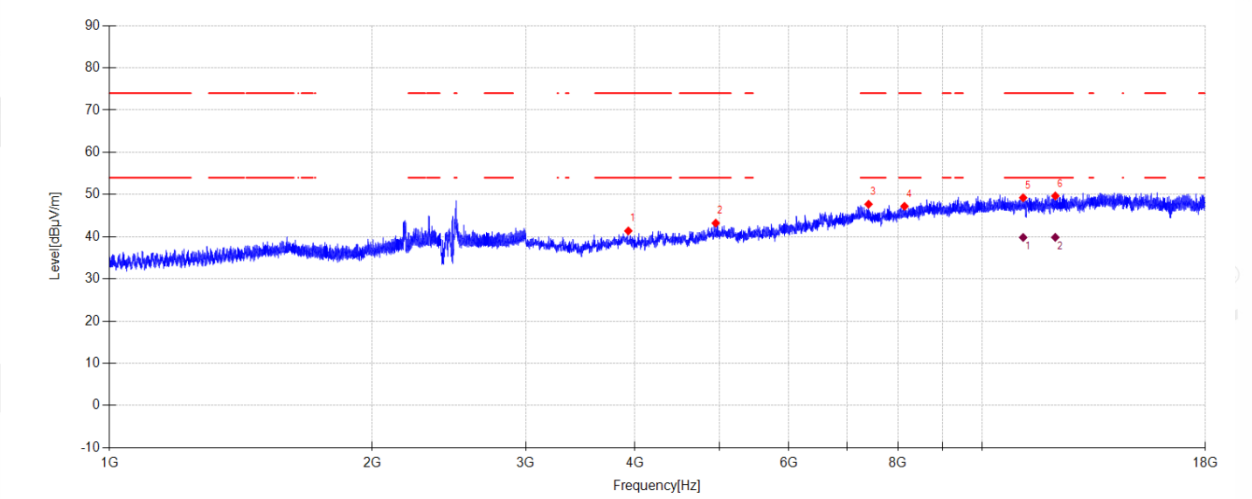
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\6

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3930.000	49.91	31.66	-40.20	41.37	74.00	32.63	PK	Vertical
2	4948.500	50.02	33.69	-40.49	43.22	74.00	30.78	PK	Vertical
3	7405.500	49.40	37.19	-38.89	47.70	74.00	26.30	PK	Vertical
4	8142.000	47.71	37.90	-38.39	47.22	74.00	26.78	PK	Vertical
5	11133.000	44.81	39.77	-35.35	49.23	74.00	24.77	PK	Vertical
6	12118.500	44.68	39.90	-34.93	49.65	74.00	24.35	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11133.000	35.41	39.77	-35.35	39.83	54.00	14.17	AV	Vertical
2	12118.500	34.88	39.90	-34.93	39.85	54.00	14.15	AV	Vertical

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

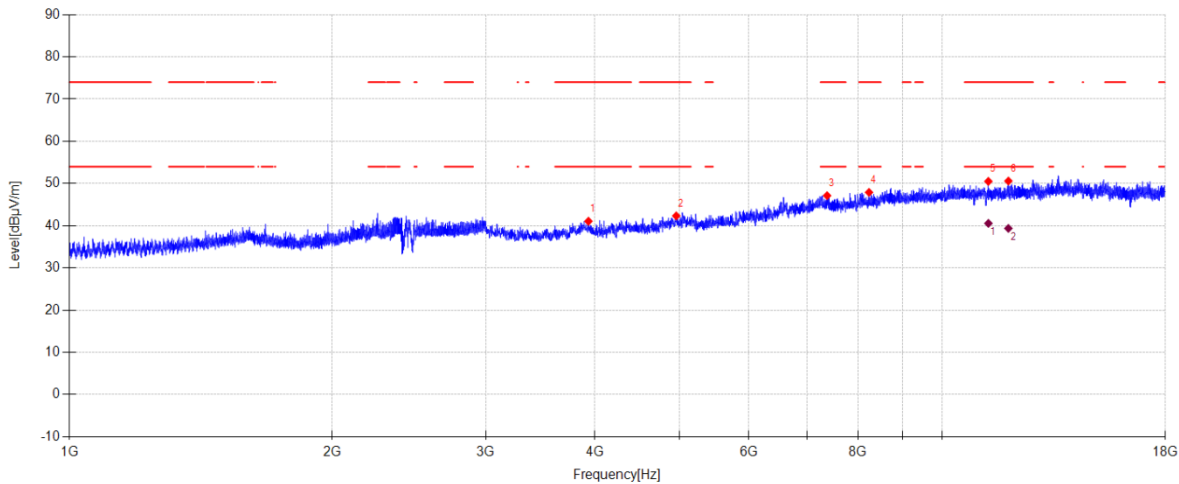
Test Date:2026-06-05Tested By:Nan Zhong

Test Mode:TX GFSK 2M 2404MHz ModePower Supply:AC 120/60Hz

Condition:Temp:26.4°C;Humi:46.5%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\7

Memo:Sample number:S26031810-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3931.500	49.60	31.66	-40.20	41.06	74.00	32.94	PK	Horizontal
2	4956.000	49.12	33.72	-40.51	42.33	74.00	31.67	PK	Horizontal
3	7377.000	48.77	37.29	-38.93	47.13	74.00	26.87	PK	Horizontal
4	8239.500	48.21	37.90	-38.20	47.91	74.00	26.09	PK	Horizontal
5	11287.500	45.95	39.99	-35.43	50.51	74.00	23.49	PK	Horizontal
6	11899.500	45.67	39.60	-34.68	50.59	74.00	23.41	PK	Horizontal

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11287.500	36.00	39.99	-35.43	40.56	54.00	13.44	AV	Horizontal
2	11899.500	34.45	39.60	-34.68	39.37	54.00	14.63	AV	Horizontal

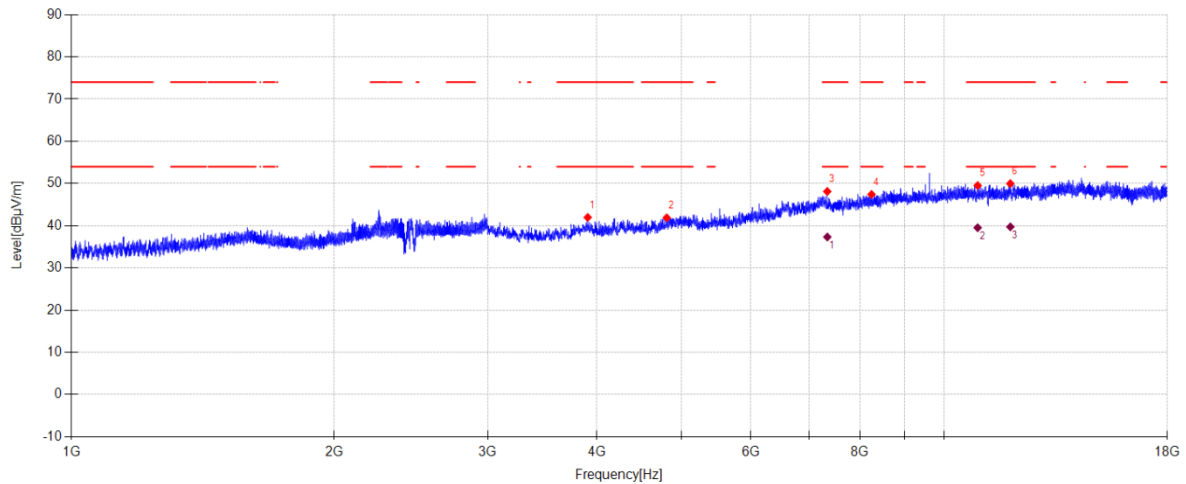
Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-06-05 **Tested By:** Nan Zhong
Test Mode: TX GFSK 2M 2404MHz Mode **Power Supply:** AC 120/60Hz
Condition: Temp:26.4°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\8
Memo: Sample number:S26031810-005

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3903.000	50.41	31.61	-40.05	41.97	74.00	32.03	PK	Vertical
2	4807.500	49.07	33.23	-40.42	41.88	74.00	32.12	PK	Vertical
3	7342.500	49.68	37.45	-39.01	48.12	74.00	25.88	PK	Vertical
4	8250.000	47.71	37.90	-38.19	47.42	74.00	26.58	PK	Vertical
5	10915.500	45.01	39.87	-35.36	49.52	74.00	24.48	PK	Vertical
6	11898.000	45.07	39.60	-34.69	49.98	74.00	24.02	PK	Vertical

Final Data List

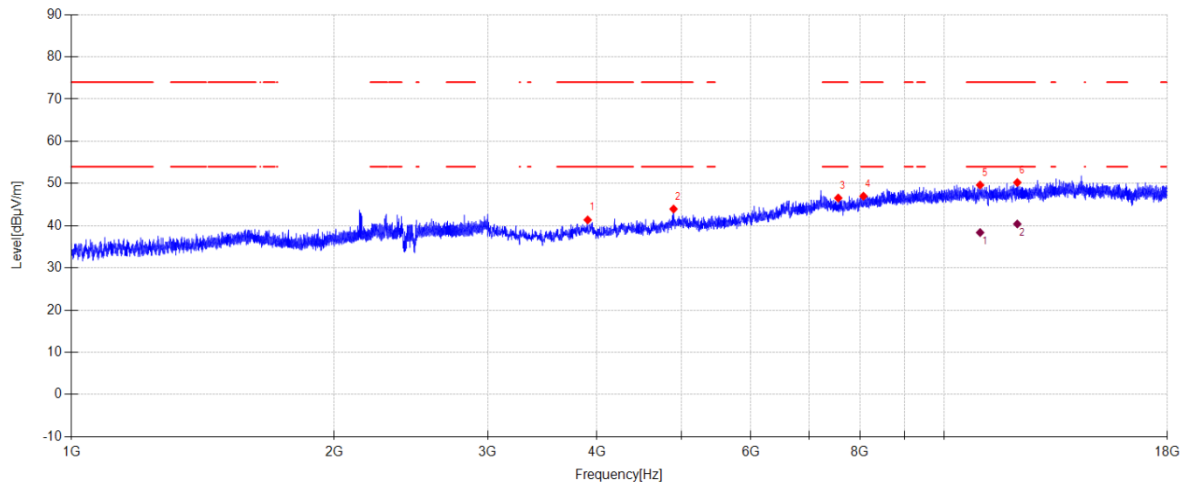
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7342.500	38.89	37.45	-39.01	37.33	54.00	16.67	AV	Vertical
2	10915.500	35.01	39.87	-35.36	39.52	54.00	14.48	AV	Vertical
3	11898.000	34.82	39.60	-34.69	39.73	54.00	14.27	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-06-05 **Tested By:** Nan Zhong
Test Mode: TX GFSK 2M 2440MHz Mode **Power Supply:** AC 120/60Hz
Condition: Temp:26.4°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\9
Memo: Sample number:S26031810-005

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3903.000	49.81	31.61	-40.05	41.37	74.00	32.63	PK	Horizontal
2	4894.500	50.86	33.49	-40.39	43.96	74.00	30.04	PK	Horizontal
3	7557.000	48.34	37.11	-38.88	46.57	74.00	27.43	PK	Horizontal
4	8076.000	47.61	37.90	-38.51	47.00	74.00	27.00	PK	Horizontal
5	10986.000	45.09	39.73	-35.18	49.64	74.00	24.36	PK	Horizontal
6	12118.500	45.26	39.90	-34.93	50.23	74.00	23.77	PK	Horizontal

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	10986.000	33.83	39.73	-35.18	38.38	54.00	15.62	AV	Horizontal
2	12118.500	35.44	39.90	-34.93	40.41	54.00	13.59	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 2M 2440MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

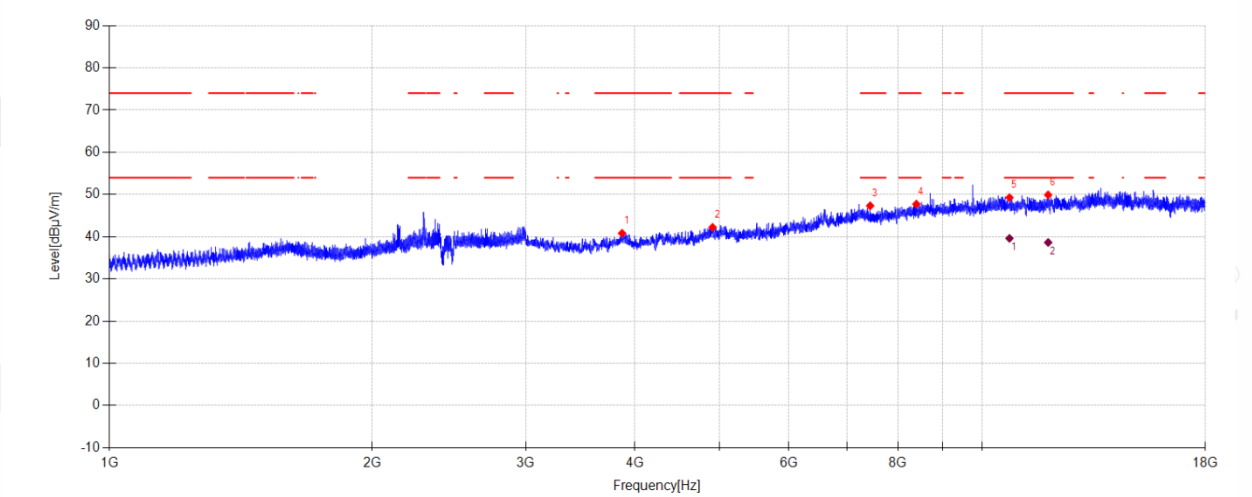
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\10

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3865.500	49.42	31.53	-40.13	40.82	74.00	33.18	PK	Vertical
2	4908.000	49.10	33.53	-40.41	42.22	74.00	31.78	PK	Vertical
3	7437.000	49.12	37.13	-38.92	47.33	74.00	26.67	PK	Vertical
4	8400.000	48.19	38.10	-38.56	47.73	74.00	26.27	PK	Vertical
5	10738.500	45.21	40.00	-35.94	49.27	74.00	24.73	PK	Vertical
6	11892.000	45.04	39.59	-34.72	49.91	74.00	24.09	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	10738.500	35.55	40.00	-35.94	39.61	54.00	14.39	AV	Vertical
2	11892.000	33.77	39.59	-34.72	38.64	54.00	15.36	AV	Vertical

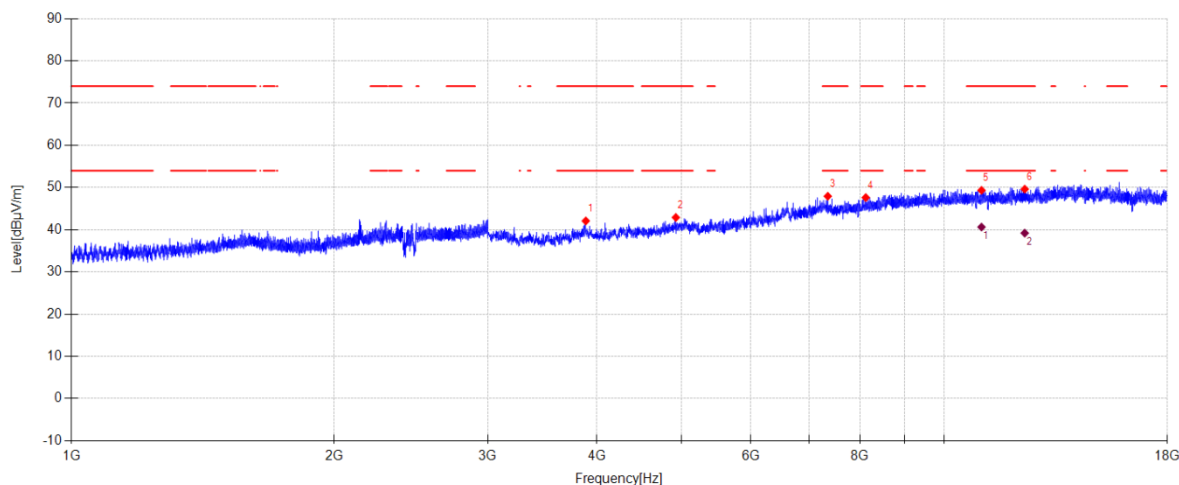
Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-06-05 **Tested By:** Nan Zhong
Test Mode: TX GFSK 2M 2478MHz Mode **Power Supply:** AC 120/60Hz
Condition: Temp:26.4°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\11
Memo: Sample number:S26031810-005

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3883.500	50.59	31.57	-40.08	42.08	74.00	31.92	PK	Horizontal
2	4924.500	49.74	33.60	-40.44	42.90	74.00	31.10	PK	Horizontal
3	7351.500	49.53	37.39	-38.99	47.93	74.00	26.07	PK	Horizontal
4	8125.500	48.15	37.90	-38.43	47.62	74.00	26.38	PK	Horizontal
5	11026.500	44.83	39.70	-35.19	49.34	74.00	24.66	PK	Horizontal
6	12357.000	44.79	39.74	-34.92	49.61	74.00	24.39	PK	Horizontal

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11026.500	36.13	39.70	-35.19	40.64	54.00	13.36	AV	Horizontal
2	12357.000	34.38	39.74	-34.92	39.20	54.00	14.80	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 2M 2478MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

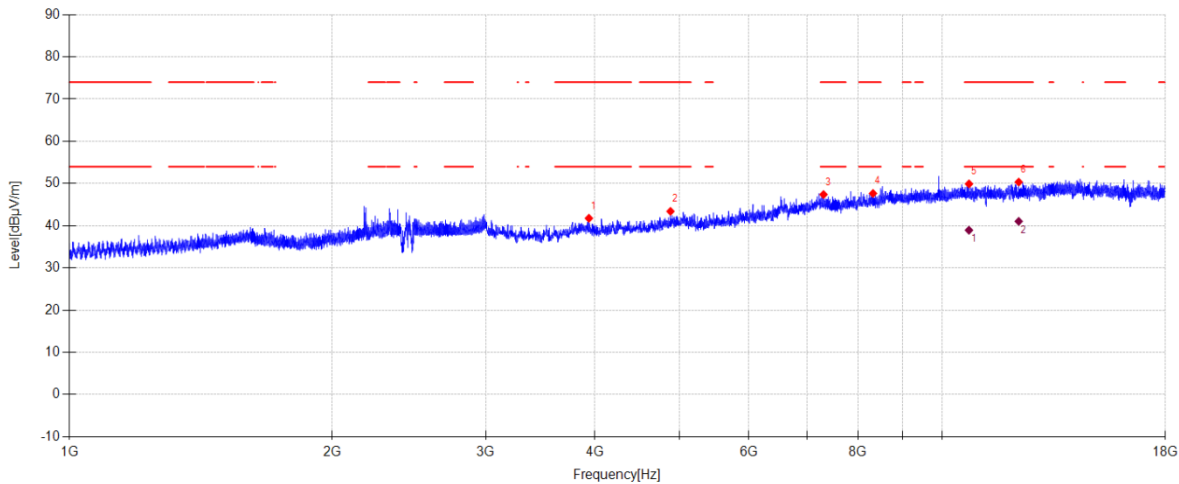
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\12

Memo:

Sample number:S26031810-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3936.000	50.32	31.67	-40.23	41.76	74.00	32.24	PK	Vertical
2	4881.000	50.35	33.46	-40.40	43.41	74.00	30.59	PK	Vertical
3	7308.000	48.83	37.65	-39.09	47.39	74.00	26.61	PK	Vertical
4	8326.500	47.90	38.00	-38.25	47.65	74.00	26.35	PK	Vertical
5	10725.000	45.84	40.00	-35.94	49.90	74.00	24.10	PK	Vertical
6	12228.000	45.45	39.87	-34.97	50.35	74.00	23.65	PK	Vertical

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	10725.000	34.88	40.00	-35.94	38.94	54.00	15.06	AV	Vertical
2	12228.000	36.14	39.87	-34.97	41.04	54.00	12.96	AV	Vertical

Note:

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

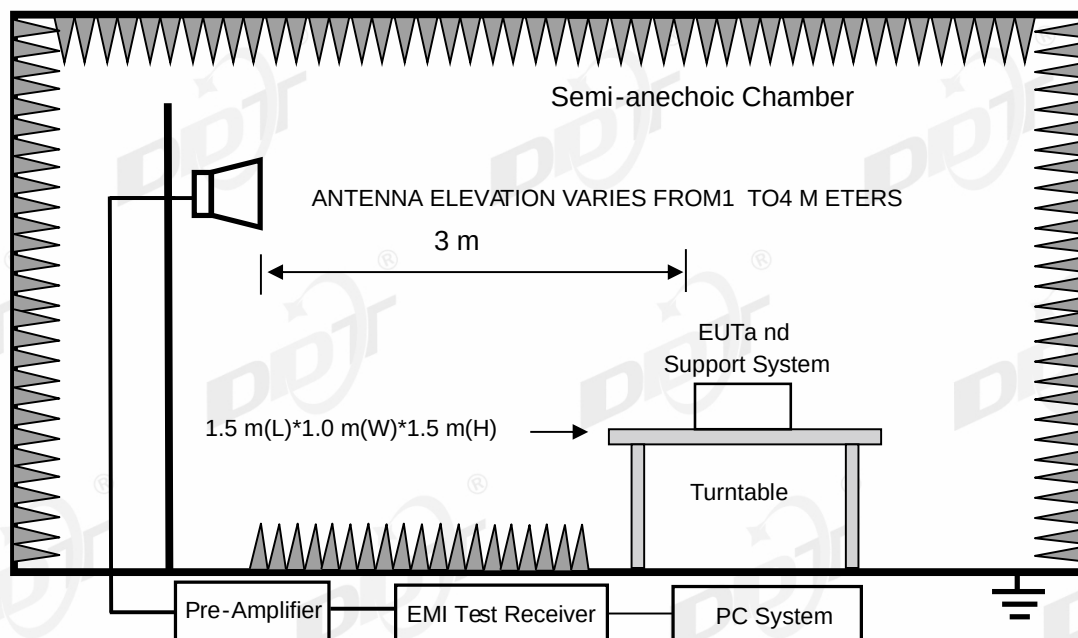
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2027/06/25
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE (V5.0.0)	DDT-ZC06466	/

13.2. Block diagram of test setup



13.3. Limits

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

13.4. Assistant equipment used for test

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

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.

Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 2M 2478MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

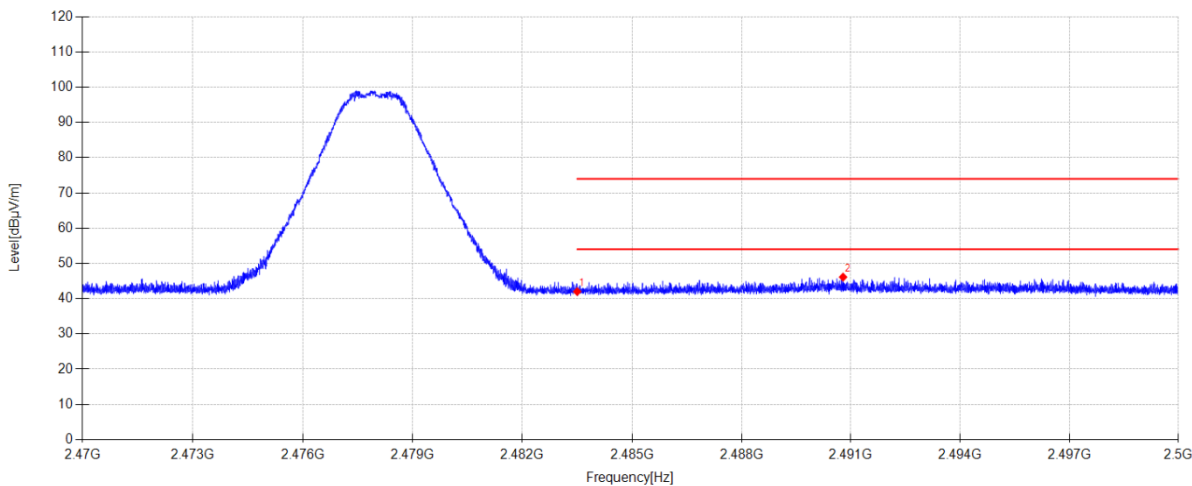
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\13

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	42.12	28.60	-28.72	42.00	74.00	32.00	PK	Horizontal
2	2490.784	46.20	28.64	-28.73	46.11	74.00	27.89	PK	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 2M 2478MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

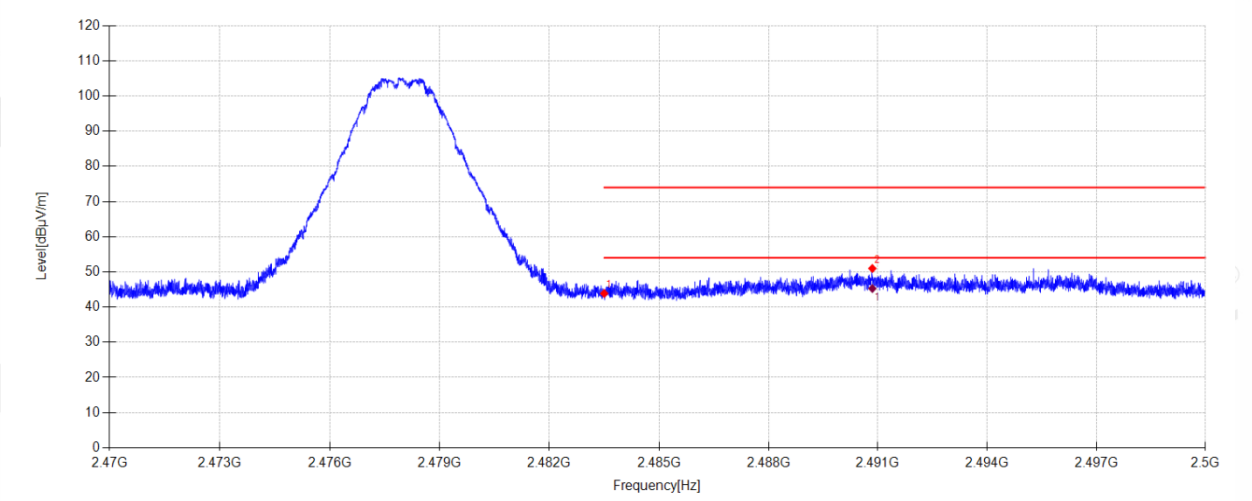
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\14

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	43.99	28.60	-28.72	43.87	74.00	30.13	PK	Vertical
2	2490.847	51.06	28.65	-28.73	50.98	74.00	23.02	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2490.847	45.36	28.65	-28.73	45.28	54.00	8.72	AV	Vertical

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 2M 2404MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

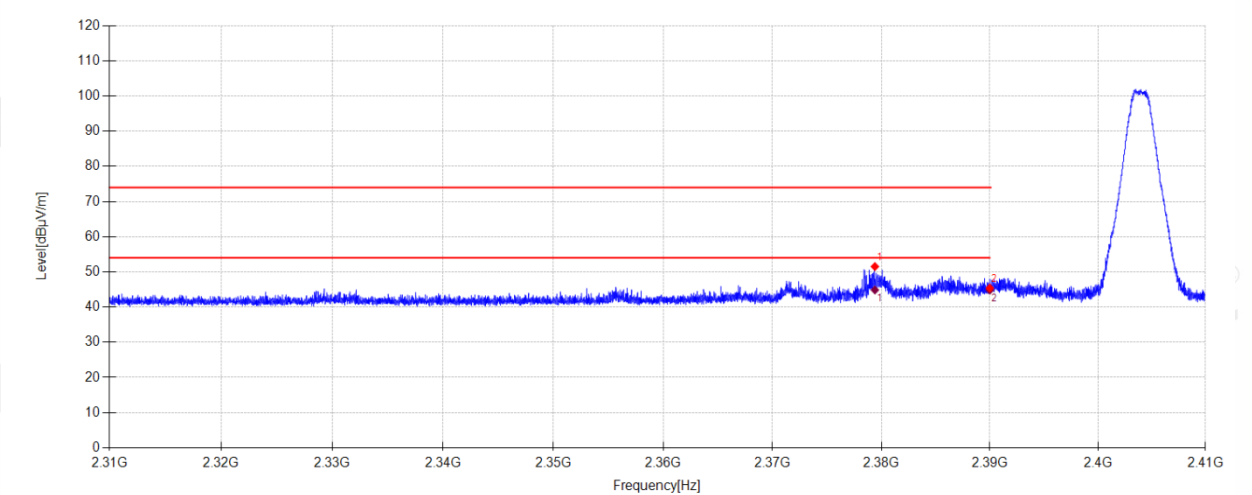
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\15

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2379.400	52.02	28.16	-28.66	51.52	74.00	22.48	PK	Horizontal
2	2390.000	45.86	28.18	-28.63	45.41	74.00	28.59	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2379.400	45.36	28.16	-28.66	44.86	54.00	9.14	AV	Horizontal
2	2390.000	45.28	28.18	-28.63	44.83	54.00	9.17	AV	Horizontal

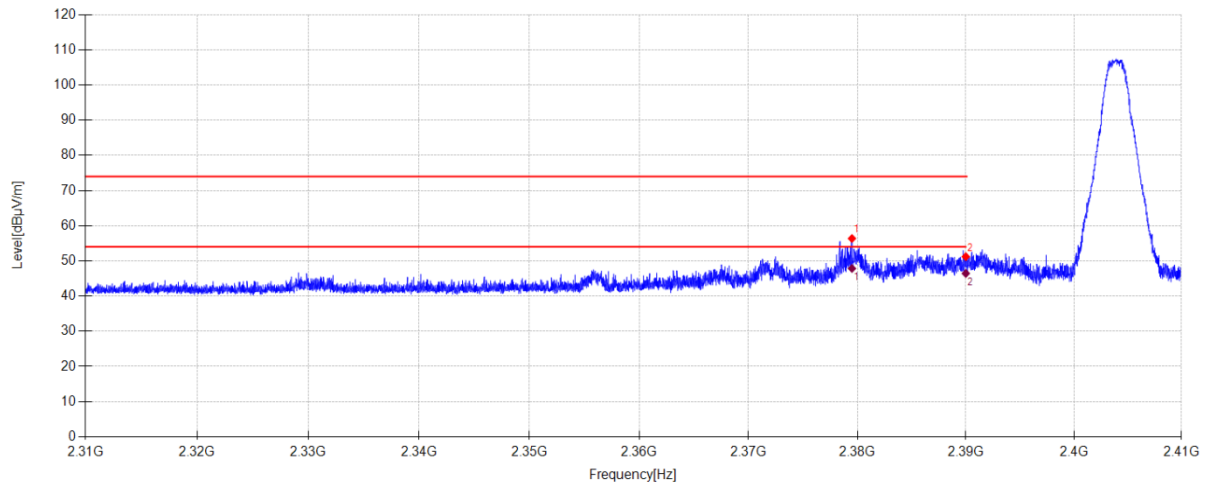
Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-06-05 **Tested By:** Nan Zhong
Test Mode: TX GFSK 2M 2404MHz Mode **Power Supply:** AC 120/60Hz
Condition: Temp:26.4°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\16
Memo: Sample number:S26031810-005

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2379.500	56.87	28.16	-28.66	56.37	74.00	17.63	PK	Vertical
2	2390.000	51.65	28.18	-28.63	51.20	74.00	22.80	PK	Vertical

Final Data List

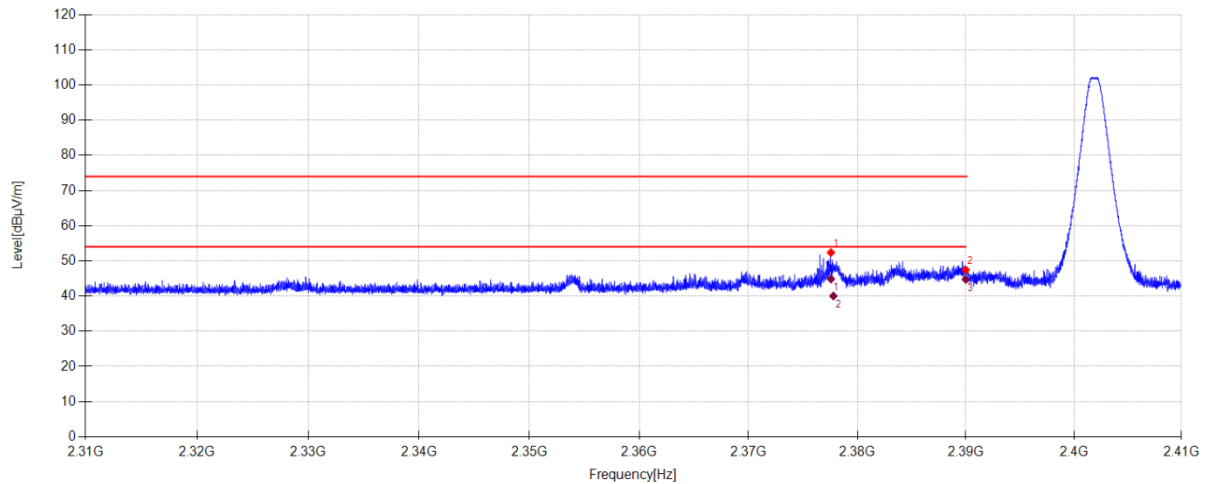
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2379.500	48.36	28.16	-28.66	47.86	54.00	6.14	AV	Vertical
2	2389.999	46.88	28.18	-28.63	46.43	54.00	7.57	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-06-05 **Tested By:** Nan Zhong
Test Mode: TX GFSK 1M 2402MHz Mode **Power Supply:** AC 120/60Hz
Condition: Temp:26.4°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\17
Memo: Sample number:S26031810-005



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2377.570	52.87	28.16	-28.66	52.37	74.00	21.63	PK	Horizontal
2	2390.000	47.89	28.18	-28.63	47.44	74.00	26.56	PK	Horizontal

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2377.570	45.36	28.16	-28.66	44.86	54.00	9.14	AV	Horizontal
2	2377.793	40.51	28.16	-28.66	40.01	54.00	13.99	AV	Horizontal
3	2390.000	45.19	28.18	-28.63	44.74	54.00	9.26	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 1M 2402MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

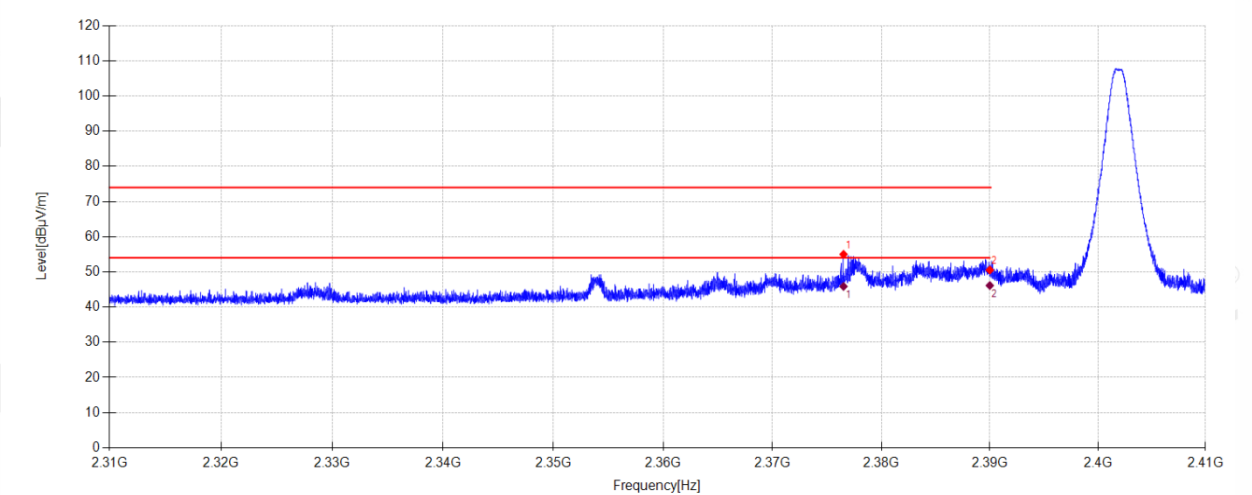
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\18

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2376.520	55.51	28.15	-28.66	55.00	74.00	19.00	PK	Vertical
2	2390.000	50.99	28.18	-28.63	50.54	74.00	23.46	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2376.520	46.38	28.15	-28.66	45.87	54.00	8.13	AV	Vertical
2	2390.000	46.58	28.18	-28.63	46.13	54.00	7.87	AV	Vertical

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 1M 2480MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

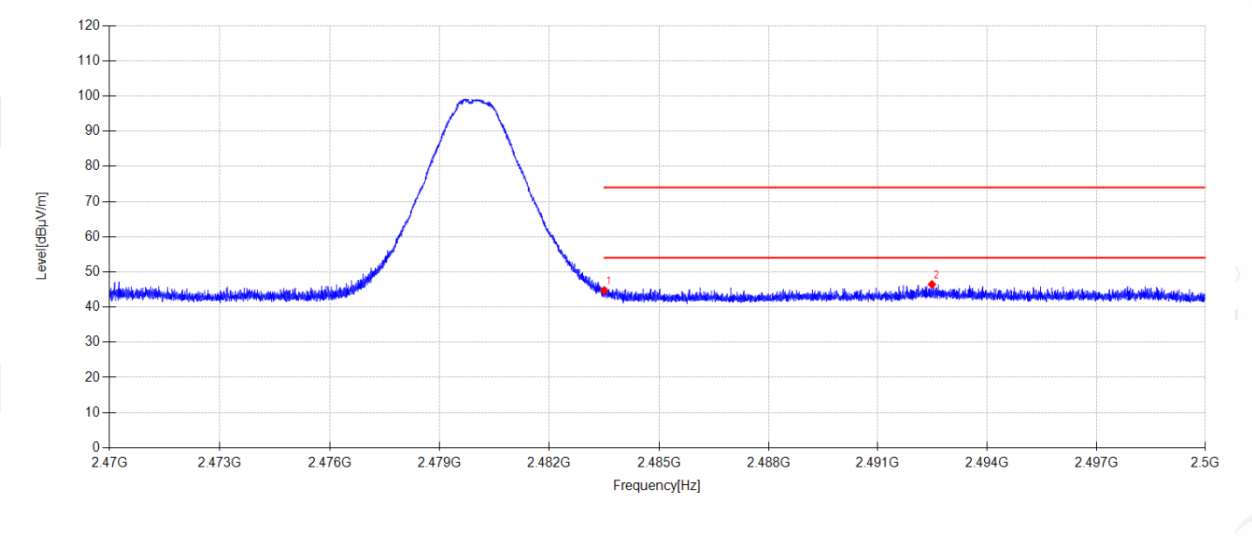
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\19

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	44.86	28.60	-28.72	44.74	74.00	29.26	PK	Horizontal
2	2492.482	46.53	28.65	-28.73	46.45	74.00	27.55	PK	Horizontal

Note:

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-06-05

Tested By:

Nan Zhong

Test Mode:

TX GFSK 1M 2480MHz Mode

Power Supply:

AC 120/60Hz

Condition:

Temp:26.4°C;Humi:46.5%

Test Site:

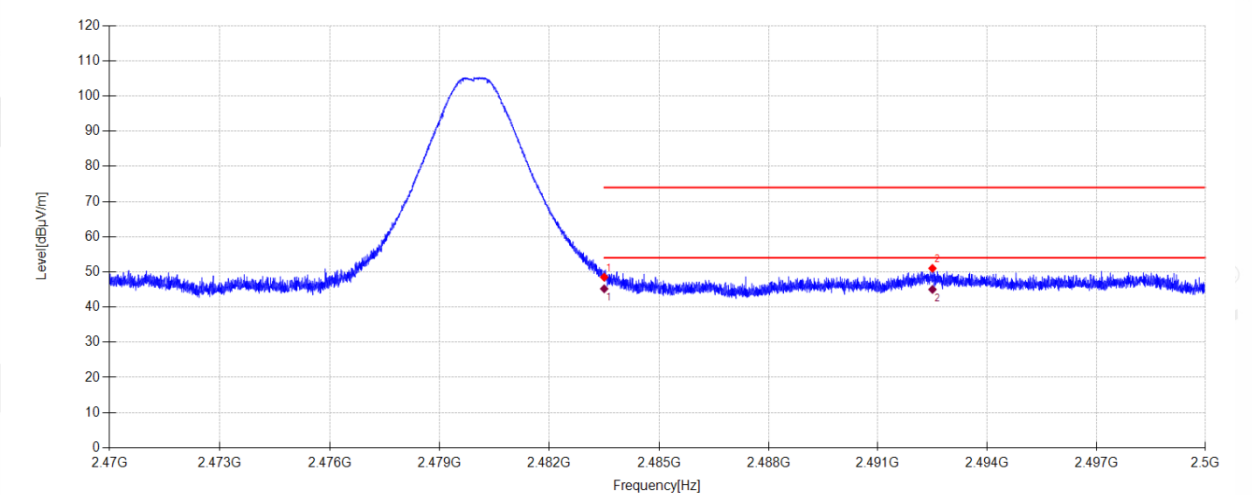
4# Fully Anechoic Room

File Path:

d:\ts\2026 report date\Q26031810-2E\FCC ABOVE 1G SRD\20

Memo:

Sample number:S26031810-005



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	48.62	28.60	-28.72	48.50	74.00	25.50	PK	Vertical
2	2492.497	51.09	28.65	-28.73	51.01	74.00	22.99	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	45.32	28.60	-28.72	45.20	54.00	8.80	AV	Vertical
2	2492.497	45.09	28.65	-28.73	45.01	54.00	8.99	AV	Vertical

Note:

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

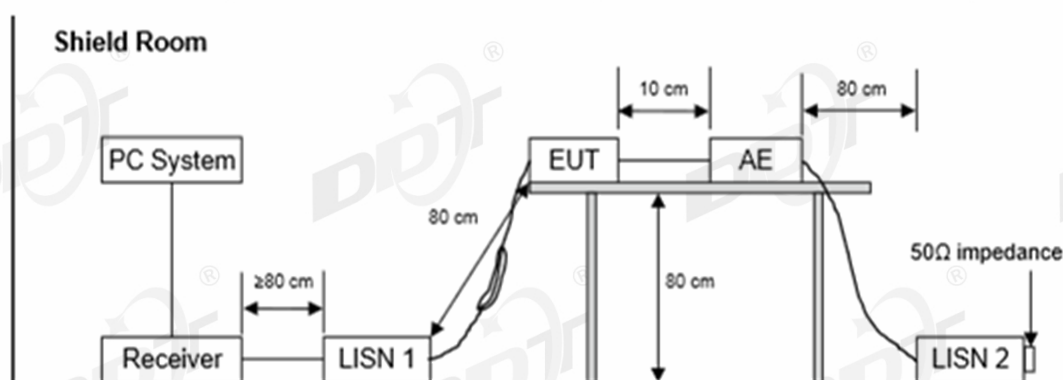
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2027/02/27
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2027/06/14
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2027/02/27
Coaxial signal signal cable	H&S	RG214-5	DDT-ZC01817	2027/02/27
Conducted & Radiated Software	Audix	e3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2027/06/10

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

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

14.5. Test procedure

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

All support equipment power received from a second LISN.

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

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

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

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

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

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

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

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

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

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

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

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

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

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

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 5# Shield Room

Test Date

: 2026-06-22

Power Supply

: AC 120V/60Hz

Condition

: Temp:26°C,Humi:59.7%

Memo

: S26031912-001

D:\2026 report data\Q26031912\Q26031912.EM6

Tested By

: Ling Yisheng

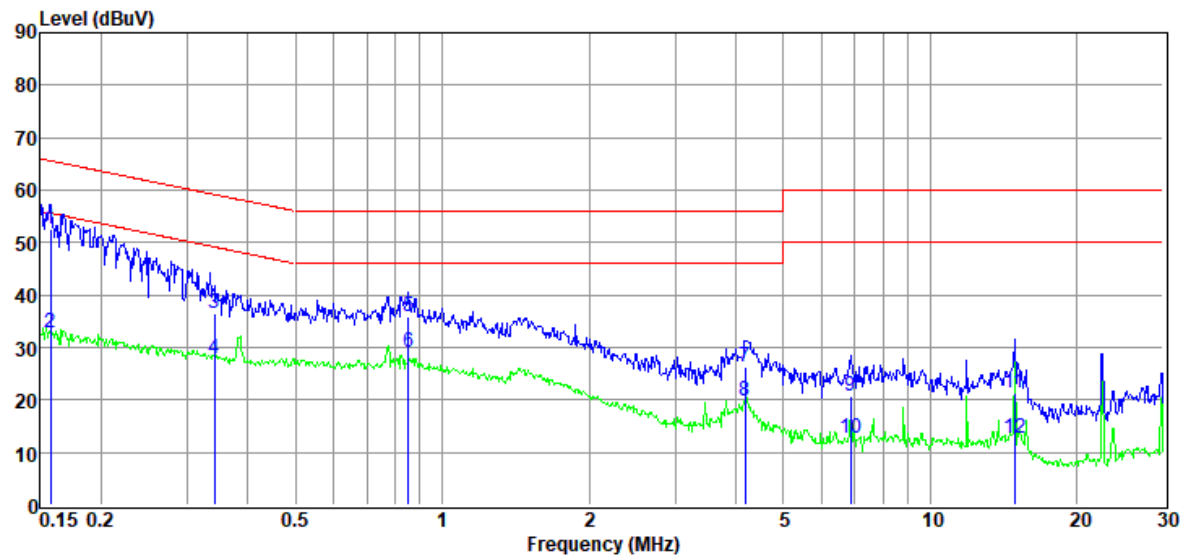
Test Mode

: GFSK 1M 2402MHz TX Mode

LISN

: 2025 2# 216/LINE

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.16	32.88	9.47	0.05	10.05	52.45	65.60	13.15	QP	LINE
2	0.16	13.20	9.47	0.05	10.05	32.77	55.60	22.83	Average	LINE
3	0.34	16.83	9.48	0.07	10.05	36.43	59.18	22.75	QP	LINE
4	0.34	8.18	9.48	0.07	10.05	27.78	49.18	21.40	Average	LINE
5	0.85	16.37	9.51	0.10	10.05	36.03	56.00	19.97	QP	LINE
6	0.85	9.33	9.51	0.10	10.05	28.99	46.00	17.01	Average	LINE
7	4.18	6.65	9.53	0.17	10.05	26.40	56.00	29.60	QP	LINE
8	4.18	-0.03	9.53	0.17	10.05	19.72	46.00	26.28	Average	LINE
9	6.88	1.01	9.55	0.21	10.05	20.82	60.00	39.18	QP	LINE
10	6.88	-7.12	9.55	0.21	10.05	12.69	50.00	37.31	Average	LINE
11	14.91	1.22	9.74	0.30	10.06	21.32	60.00	38.68	QP	LINE
12	14.91	-7.39	9.74	0.30	10.06	12.71	50.00	37.29	Average	LINE

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

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2026 report data\Q26031912\Q26031912.EM6

Test Date : 2026-06-22

Tested By : Ling Yisheng

Power Supply : AC 120V/60Hz

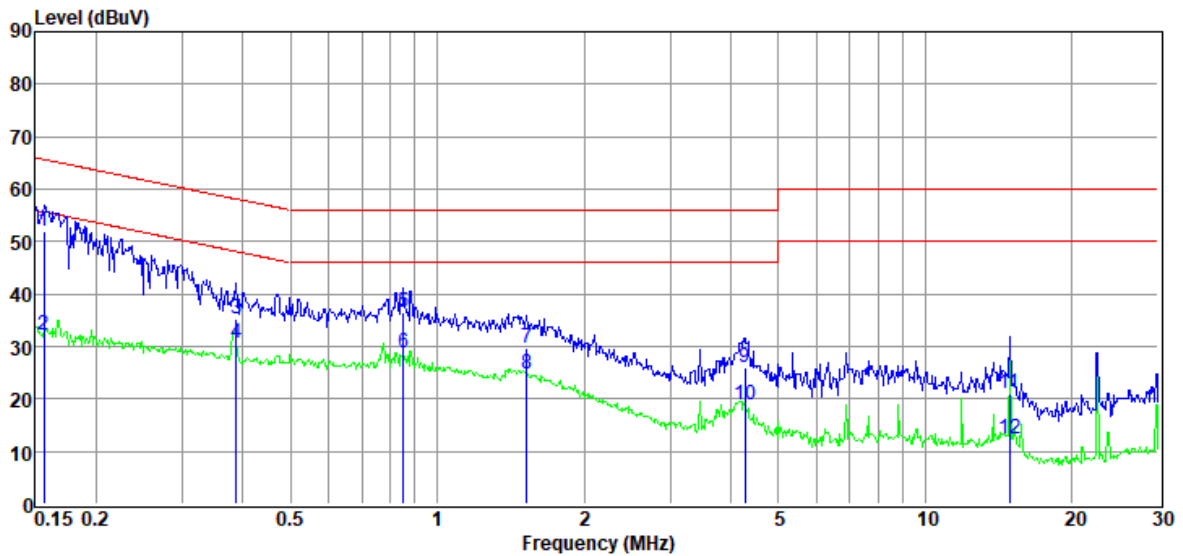
Test Mode : GFSK 1M 2402MHz TX Mode

Condition : Temp:26°C,Humi:59.7%

LISN : 2025 2# 216/NEUTRAL

Memo : S26031912-001

Data: 8



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Margin (dB)	Detector	Phase
1	0.16	32.50	9.49	0.05	10.05	52.09	65.65	13.56	QP	NEUTRAL
2	0.16	12.61	9.49	0.05	10.05	32.20	55.65	23.45	Average	NEUTRAL
3	0.39	15.64	9.48	0.07	10.05	35.24	58.12	22.88	QP	NEUTRAL
4	0.39	10.99	9.48	0.07	10.05	30.59	48.12	17.53	Average	NEUTRAL
5	0.85	16.73	9.48	0.10	10.05	36.36	56.00	19.64	QP	NEUTRAL
6	0.85	9.18	9.48	0.10	10.05	28.81	46.00	17.19	Average	NEUTRAL
7	1.53	10.03	9.50	0.12	10.05	29.70	56.00	26.30	QP	NEUTRAL
8	1.53	4.95	9.50	0.12	10.05	24.62	46.00	21.38	Average	NEUTRAL
9	4.27	6.20	9.53	0.17	10.05	25.95	56.00	30.05	QP	NEUTRAL
10	4.27	-0.81	9.53	0.17	10.05	18.94	46.00	27.06	Average	NEUTRAL
11	14.91	0.76	9.80	0.30	10.06	20.92	60.00	39.08	QP	NEUTRAL
12	14.91	-7.69	9.80	0.30	10.06	12.47	50.00	37.53	Average	NEUTRAL

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

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

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

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

16. Photos of the EUT

Please refer to DDT-Q26031912-3E appendix I

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