

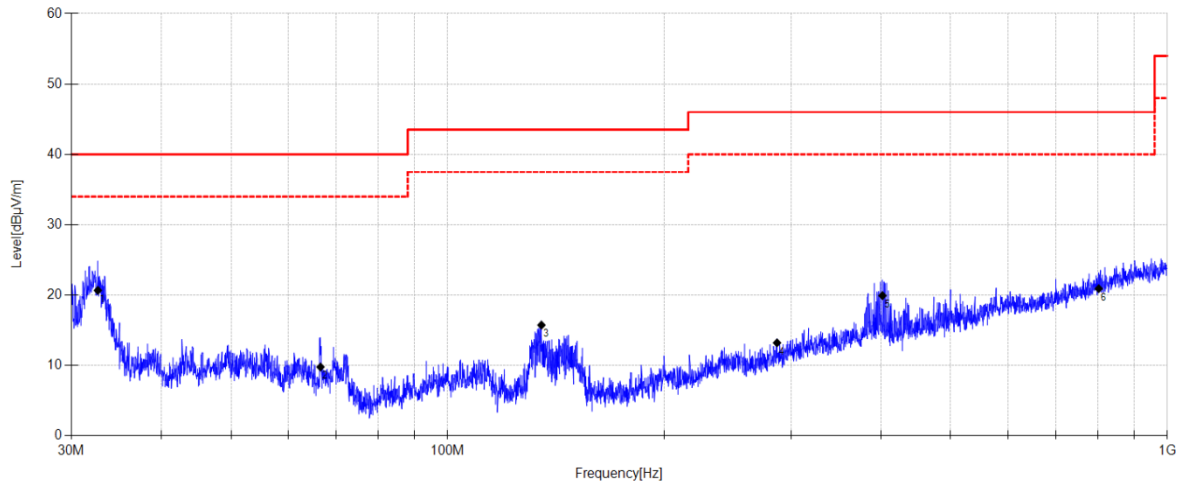
14.6. Test result

PASS. (See below detailed test result)

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2480TX Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC BELOW1G\1
Memo: Sample Numble:S25081333-006



Final Data List

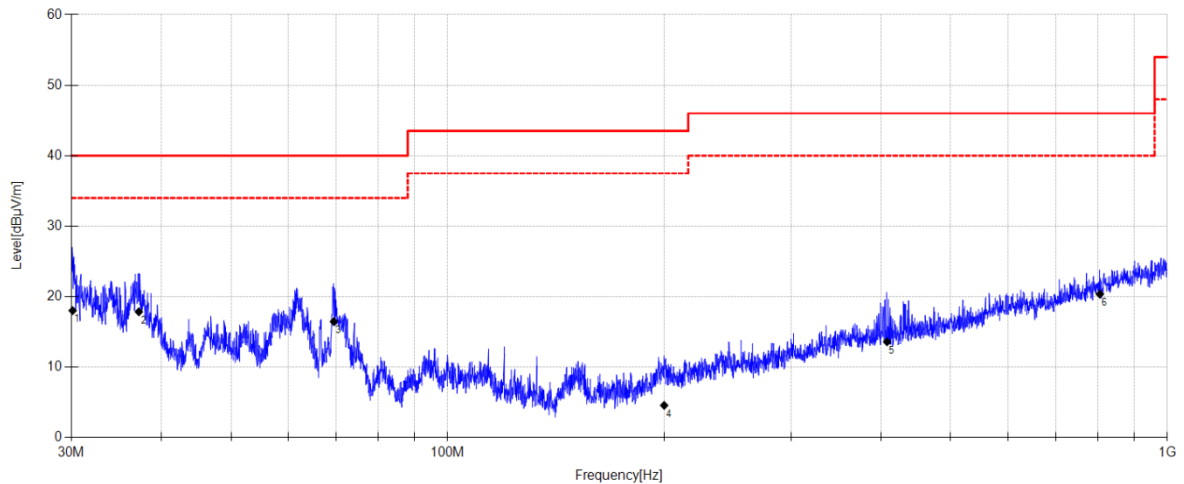
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32.656	38.33	10.90	3.74	20.67	40.00	19.33	QP	Horizontal
2	66.582	27.37	10.72	3.99	9.78	40.00	30.22	QP	Horizontal
3	134.991	35.47	8.30	4.29	15.73	43.50	27.77	QP	Horizontal
4	286.853	27.46	13.10	5.05	13.21	46.00	32.79	QP	Horizontal
5	401.912	31.62	15.23	5.57	19.92	46.00	26.08	QP	Horizontal
6	802.947	26.11	20.41	6.87	20.91	46.00	25.09	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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2480TX Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC BELOW1G\2
Memo: Sample Numbel:S25081333-006

**Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.126	36.13	10.47	3.72	18.02	40.00	21.98	QP	Vertical
2	37.232	34.17	12.20	3.78	17.85	40.00	22.15	QP	Vertical
3	69.491	34.64	10.11	4.01	16.46	40.00	23.54	QP	Vertical
4	199.910	21.25	11.25	4.47	4.57	43.50	38.93	QP	Vertical
5	407.874	25.48	15.03	5.59	13.59	46.00	32.41	QP	Vertical
6	805.767	25.31	20.64	6.87	20.35	46.00	25.65	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:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

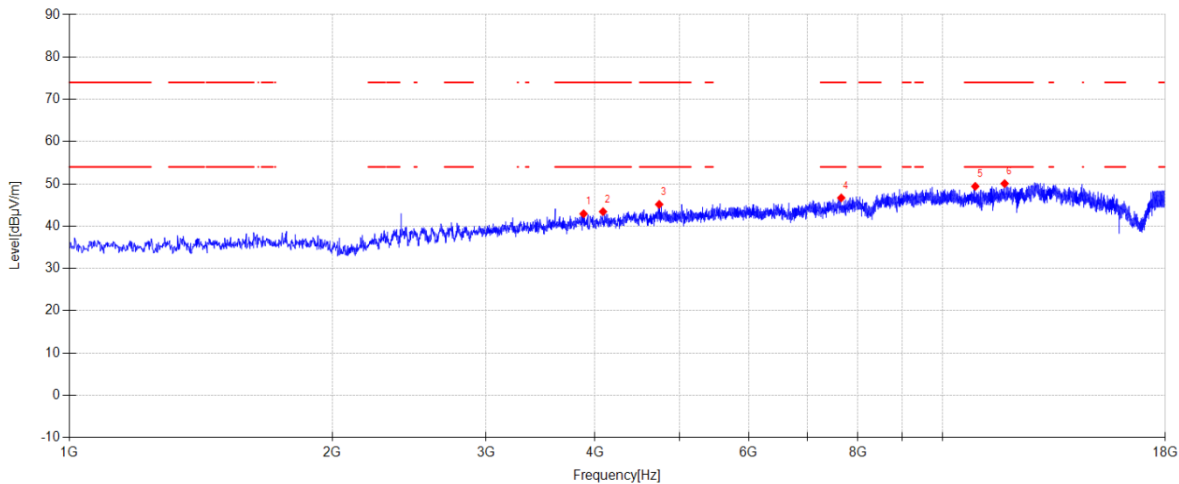
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT1

Memo:

Sample Numbler:S25070114-006 setting power:7



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	3881.500	46.00	31.50	5.07	-39.65	42.92	74.00	31.08	PK	Horizontal
2	4085.500	46.03	31.97	5.10	-39.67	43.43	74.00	30.57	PK	Horizontal
3	4738.300	45.99	33.28	5.49	-39.62	45.14	74.00	28.86	PK	Horizontal
4	7657.200	42.95	37.36	6.79	-40.41	46.69	74.00	27.31	PK	Horizontal
5	10904.200	42.15	38.25	8.08	-39.06	49.42	74.00	24.58	PK	Horizontal
6	11783.100	42.00	39.22	8.62	-39.78	50.06	74.00	23.94	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:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

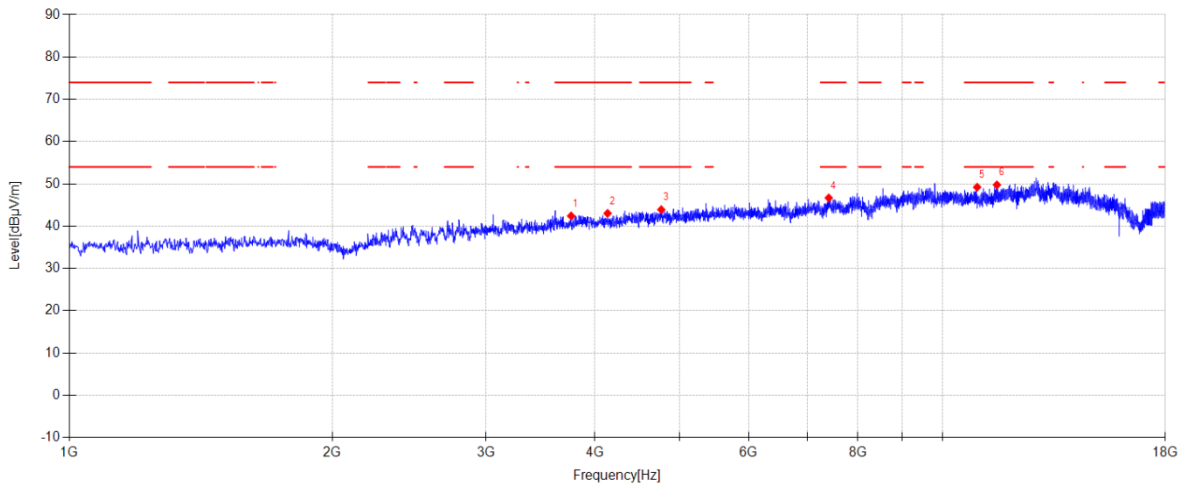
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT12

Memo:

Sample Numbler:S25081333-006 setting power:NA



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	3755.700	45.75	31.19	5.09	-39.62	42.41	74.00	31.59	PK	Vertical
2	4134.800	45.50	32.07	5.13	-39.67	43.03	74.00	30.97	PK	Vertical
3	4763.800	44.68	33.33	5.51	-39.62	43.90	74.00	30.10	PK	Vertical
4	7409.000	43.54	37.11	6.66	-40.63	46.68	74.00	27.32	PK	Vertical
5	10958.600	41.91	38.22	8.11	-39.02	49.22	74.00	24.78	PK	Vertical
6	11545.100	41.93	38.91	8.47	-39.55	49.76	74.00	24.24	PK	Vertical

Note:

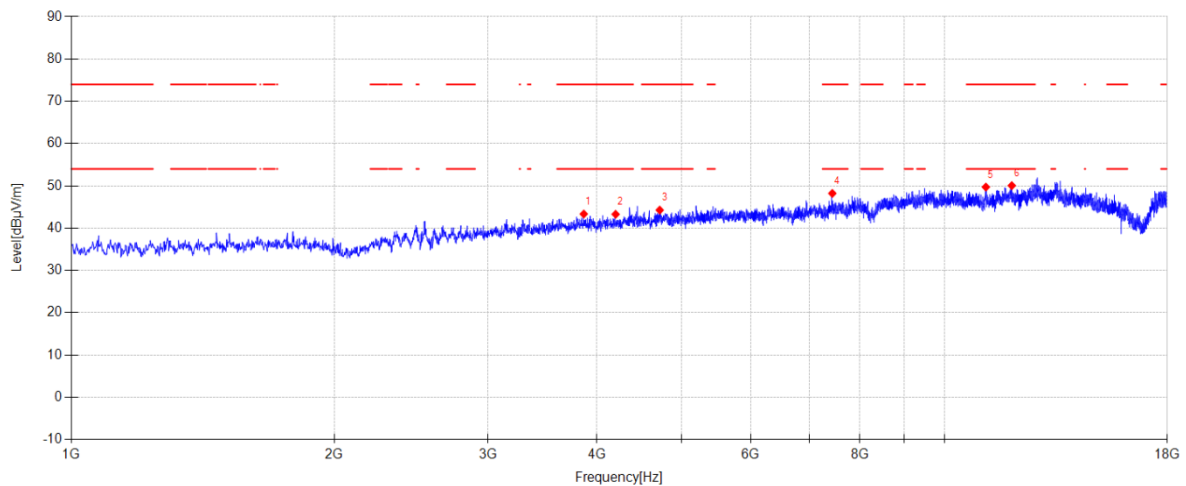
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2480MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT\3
Memo: Sample Numbler:S25081333-006 setting power:NA



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	3862.800	46.47	31.46	5.07	-39.65	43.35	74.00	30.65	PK	Horizontal
2	4201.100	45.57	32.20	5.17	-39.66	43.28	74.00	30.72	PK	Horizontal
3	4719.600	45.17	33.24	5.48	-39.62	44.27	74.00	29.73	PK	Horizontal
4	7439.600	45.01	37.14	6.67	-40.60	48.22	74.00	25.78	PK	Horizontal
5	11154.100	42.24	38.40	8.23	-39.15	49.72	74.00	24.28	PK	Horizontal
6	11942.900	41.85	39.43	8.72	-39.94	50.06	74.00	23.94	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:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

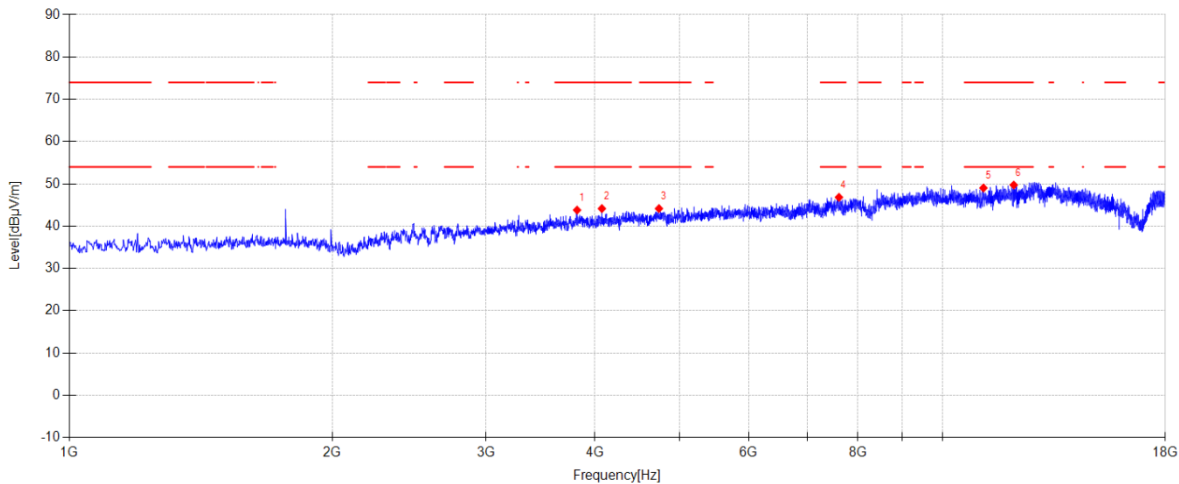
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT4

Memo:

Sample Numbler:S25081333-006 setting power:NA



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	3815.200	47.02	31.34	5.08	-39.64	43.80	74.00	30.20	PK	Vertical
2	4073.600	46.78	31.95	5.09	-39.67	44.15	74.00	29.85	PK	Vertical
3	4734.900	45.02	33.27	5.49	-39.62	44.16	74.00	29.84	PK	Vertical
4	7611.300	43.21	37.31	6.76	-40.45	46.83	74.00	27.17	PK	Vertical
5	11142.200	41.57	38.38	8.22	-39.14	49.03	74.00	24.97	PK	Vertical
6	12068.700	41.39	39.53	8.80	-39.99	49.73	74.00	24.27	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2441MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

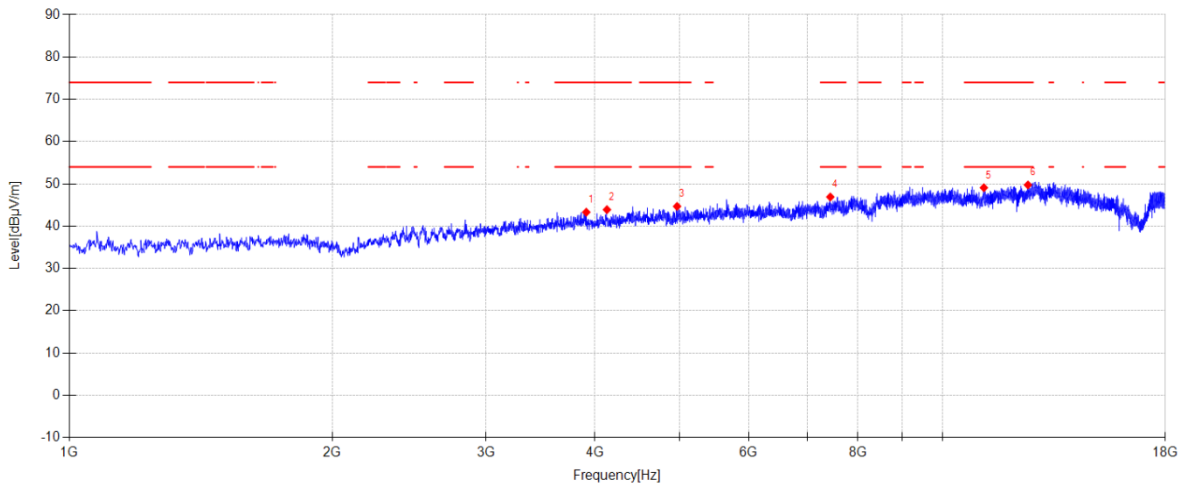
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT\5

Memo:

Sample Numbler:S25081333-006 setting power:NA



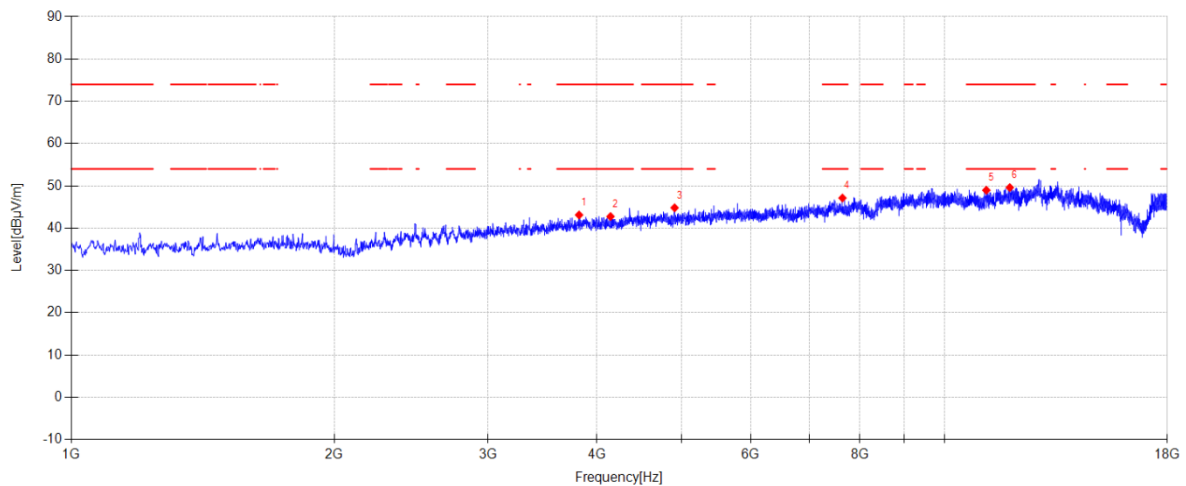
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3908.700	46.32	31.57	5.07	-39.66	43.30	74.00	30.70	PK	Horizontal
2	4128.000	46.38	32.06	5.13	-39.67	43.90	74.00	30.10	PK	Horizontal
3	4966.100	44.92	33.73	5.63	-39.60	44.68	74.00	29.32	PK	Horizontal
4	7439.600	43.69	37.14	6.67	-40.60	46.90	74.00	27.10	PK	Horizontal
5	11154.100	41.62	38.40	8.23	-39.15	49.10	74.00	24.90	PK	Horizontal
6	12529.400	40.85	39.76	9.03	-39.89	49.75	74.00	24.25	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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2441MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT16
Memo: Sample Numbler:S25081333-006 setting power:NA

**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	3815.200	46.34	31.34	5.08	-39.64	43.12	74.00	30.88	PK	Vertical
2	4145.000	45.19	32.09	5.14	-39.67	42.75	74.00	31.25	PK	Vertical
3	4908.300	45.22	33.62	5.59	-39.61	44.82	74.00	29.18	PK	Vertical
4	7641.900	43.43	37.34	6.78	-40.42	47.13	74.00	26.87	PK	Vertical
5	11167.700	41.48	38.42	8.24	-39.17	48.97	74.00	25.03	PK	Vertical
6	11880.000	41.46	39.34	8.68	-39.88	49.60	74.00	24.40	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:

2026-07-12

Tested By:

Li Xiongbín

EUT:

Radio

Model Number:

CRD4612UBA/PRI

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

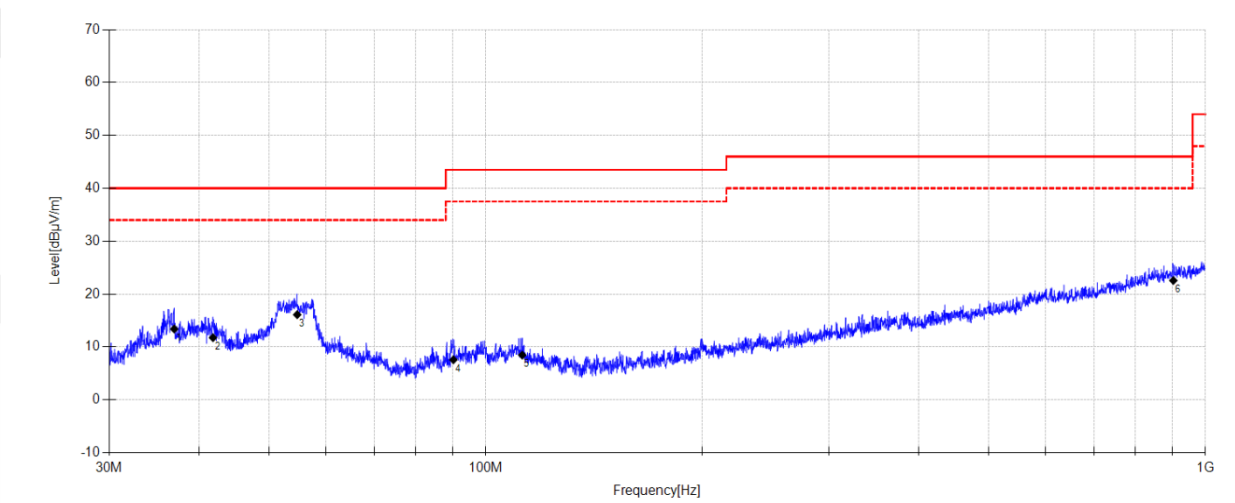
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\3

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.920	29.62	12.18	3.88	13.38	40.00	26.62	QP	Horizontal
2	41.798	27.09	13.02	3.93	11.74	40.00	28.26	QP	Horizontal
3	54.713	31.47	12.90	4.02	16.09	40.00	23.91	QP	Horizontal
4	90.201	25.93	9.68	4.25	7.56	43.50	35.94	QP	Horizontal
5	112.416	24.67	11.71	4.37	8.44	43.50	35.06	QP	Horizontal
6	902.695	25.19	22.12	7.12	22.55	46.00	23.45	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:

2026-07-12

Tested By:

Li Xiongbin

EUT:

Radio

Model Number:

CRD4612UBA/PRI

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

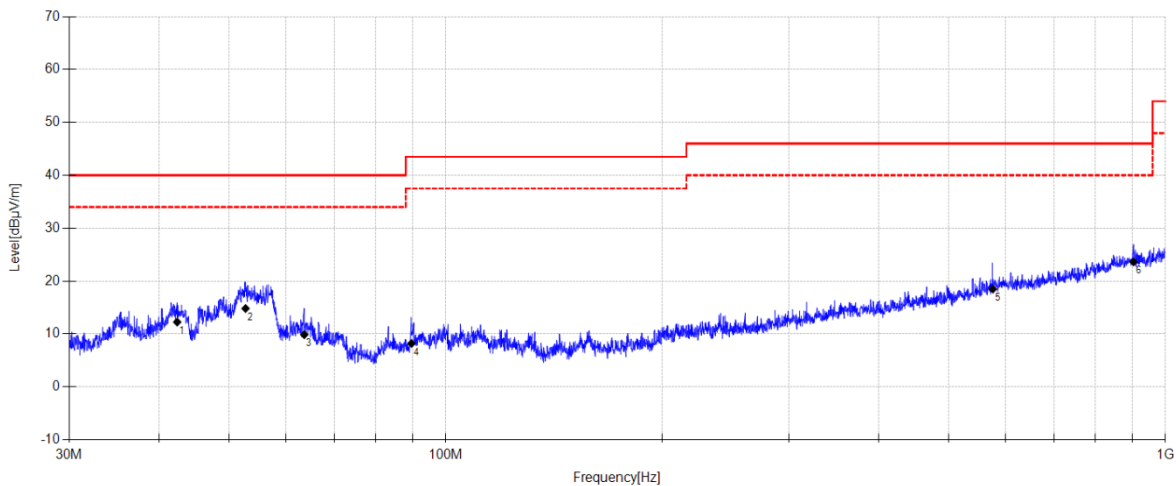
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\4

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	42.359	27.29	13.32	3.93	12.24	40.00	27.76	QP	Vertical
2	52.717	29.9	13.20	4.00	14.80	40.00	25.20	QP	Vertical
3	63.615	25.77	12.28	4.10	9.85	40.00	30.15	QP	Vertical
4	89.633	26.79	9.44	4.25	8.18	43.50	35.32	QP	Vertical
5	575.900	26.26	18.69	6.31	18.47	46.00	27.53	QP	Vertical
6	903.328	26.21	22.17	7.12	23.62	46.00	22.38	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:

2026-07-12

Tested By:

Li Xiongbín

EUT:

Radio

Model Number:

CRD4512UBA/AGC

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

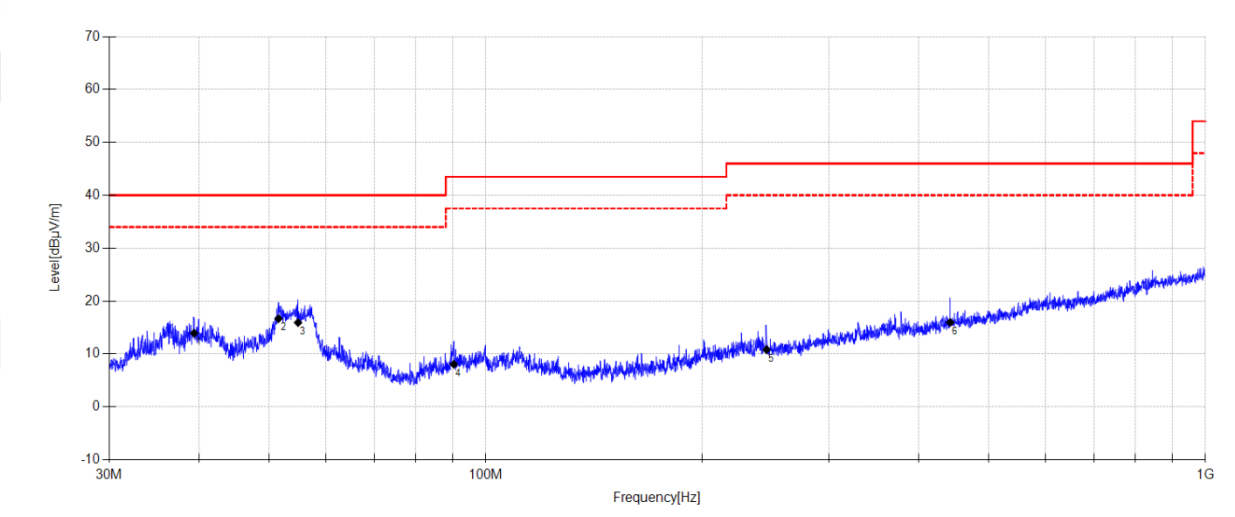
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\5

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	39.352	30.07	12.23	3.91	13.91	40.00	26.09	QP	Horizontal
2	51.547	31.86	13.11	3.99	16.66	40.00	23.34	QP	Horizontal
3	54.867	31.4	12.79	4.02	15.91	40.00	24.09	QP	Horizontal
4	90.327	26.41	9.67	4.25	8.03	43.50	35.47	QP	Horizontal
5	245.675	26.13	11.99	5.06	10.78	46.00	35.22	QP	Horizontal
6	442.125	26.38	16.26	5.85	15.95	46.00	30.05	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:

2026-07-12

Tested By:

Li Xiongbin

EUT:

Radio

Model Number:

CRD4512UBA/AGC

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

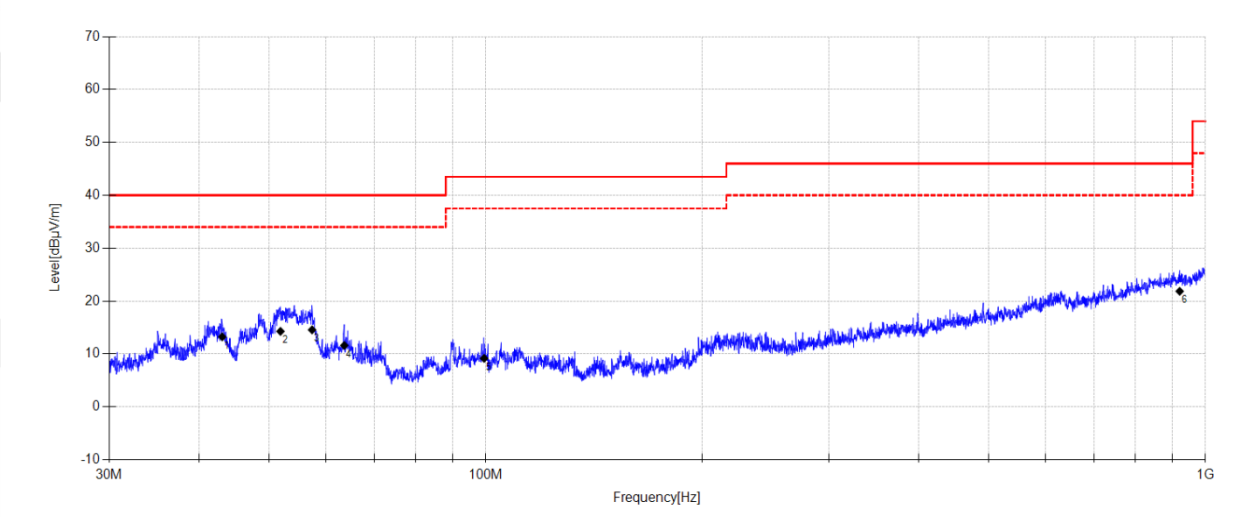
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\6

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	43.047	27.89	13.69	3.94	13.22	40.00	26.78	QP	Vertical
2	51.874	29.4	13.17	3.99	14.26	40.00	25.74	QP	Vertical
3	57.385	29.98	12.82	4.04	14.54	40.00	25.46	QP	Vertical
4	63.615	27.51	12.28	4.10	11.59	40.00	28.41	QP	Vertical
5	99.504	25.45	11.70	4.30	9.15	43.50	34.35	QP	Vertical
6	921.238	24.45	22.00	7.16	21.84	46.00	24.16	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:

2026-07-12

Tested By:

Li Xiongbin

EUT:

Radio

Model Number:

CRD4512UBA/SDF

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

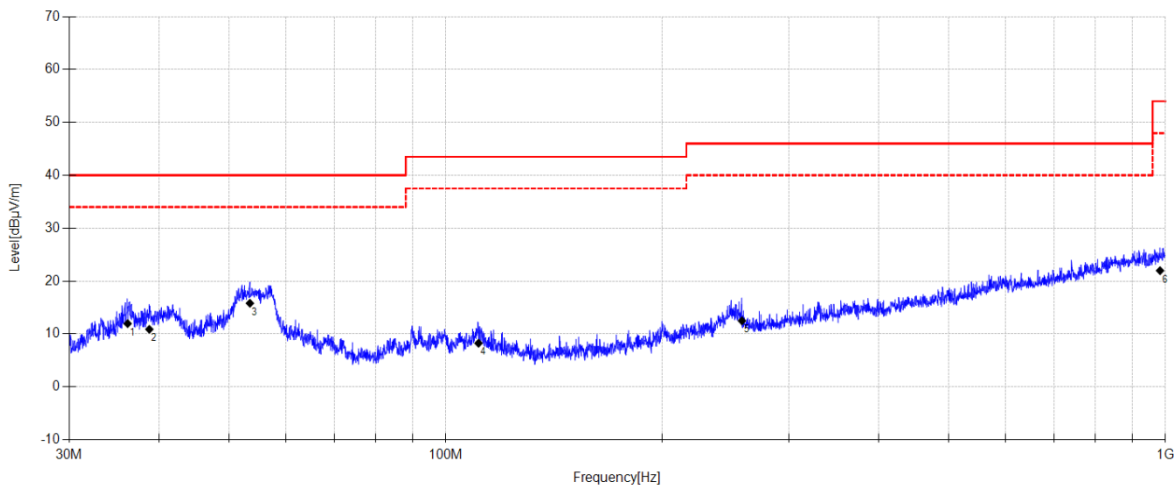
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\7

Memo:

Sample Number:S25121229



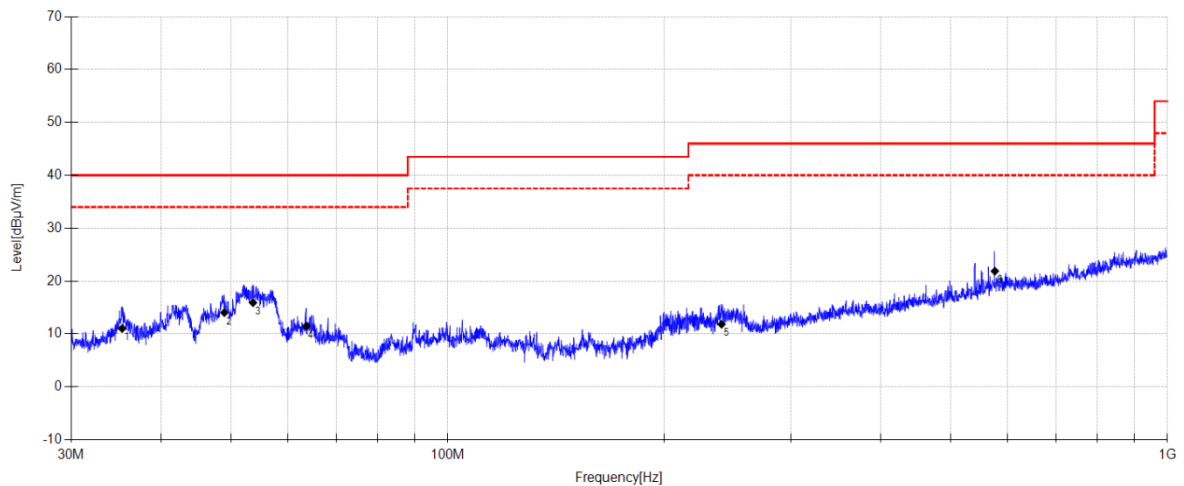
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.151	28.42	11.95	3.87	11.94	40.00	28.06	QP	Horizontal
2	38.750	26.99	12.27	3.90	10.86	40.00	29.14	QP	Horizontal
3	53.462	30.79	13.29	4.01	15.79	40.00	24.21	QP	Horizontal
4	111.084	24.27	11.91	4.36	8.23	43.50	35.27	QP	Horizontal
5	258.034	27.56	12.20	5.11	12.47	46.00	33.53	QP	Horizontal
6	983.313	23.57	22.47	7.32	21.96	54.00	32.04	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: 2026-07-12 **Tested By:** Li Xiongbin
EUT: Radio **Model Number:** CRD4512UBA/SDF
Test Mode: BT TX Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:62.3% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\8
Memo: Sample Number:S25121229



Final Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	35.300	27.99	11.48	3.85	11.02	40.00	28.98	QP	Vertical
2	48.941	28.77	13.58	3.97	14.02	40.00	25.98	QP	Vertical
3	53.649	30.86	13.33	4.01	15.90	40.00	24.10	QP	Vertical
4	63.615	27.35	12.28	4.10	11.43	40.00	28.57	QP	Vertical
5	240.224	26.7	12.48	5.04	11.82	46.00	34.18	QP	Vertical
6	575.900	29.65	18.69	6.31	21.86	46.00	24.14	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:

2026-07-13

Tested By:

Li Xiongbín

EUT:

Radio

Model Number:

CRD4612UBA-MANI

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

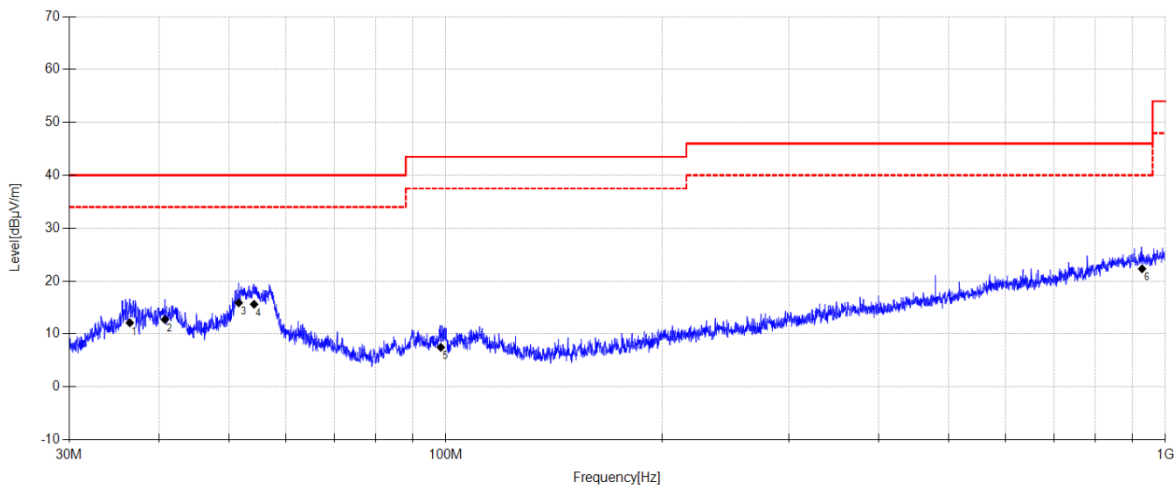
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\9

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.406	28.5	12.02	3.87	12.09	40.00	27.91	QP	Horizontal
2	40.728	28.55	12.54	3.92	12.71	40.00	27.29	QP	Horizontal
3	51.584	31.06	13.12	3.99	15.87	40.00	24.13	QP	Horizontal
4	54.179	30.61	13.28	4.01	15.60	40.00	24.40	QP	Horizontal
5	98.463	24.11	11.35	4.29	7.45	43.50	36.05	QP	Horizontal
6	928.371	24.93	21.93	7.18	22.31	46.00	23.69	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:

2026-07-13

Tested By:

Li Xiongbin

EUT:

Radio

Model Number:

CRD4612UBA-MANI

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

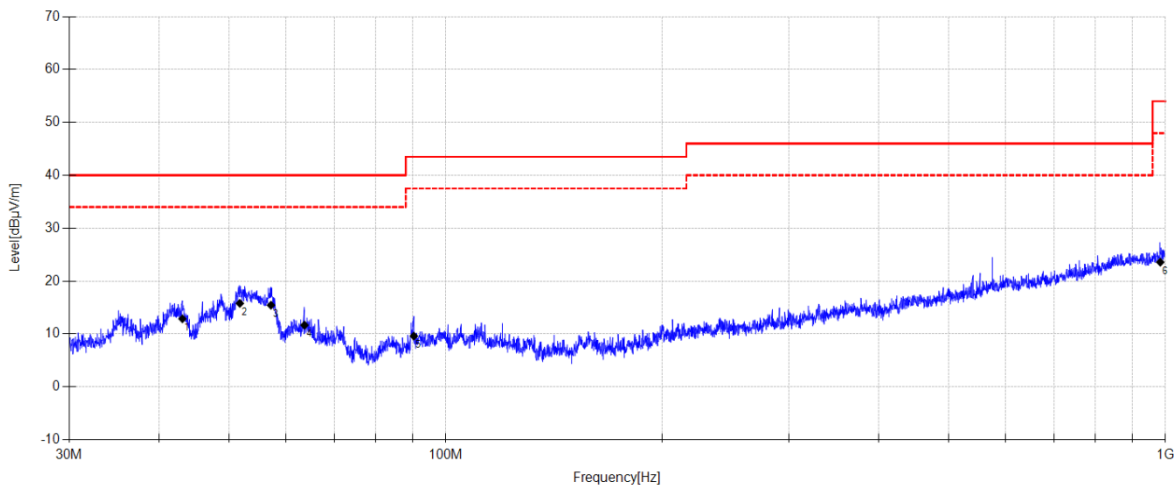
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\10

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	43.078	27.53	13.68	3.94	12.85	40.00	27.15	QP	Vertical
2	51.765	30.93	13.15	3.99	15.77	40.00	24.23	QP	Vertical
3	57.184	30.93	12.76	4.04	15.43	40.00	24.57	QP	Vertical
4	63.660	27.58	12.27	4.10	11.65	40.00	28.35	QP	Vertical
5	90.327	27.97	9.67	4.25	9.59	43.50	33.91	QP	Vertical
6	984.002	25.13	22.52	7.32	23.57	54.00	30.43	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:

2026-07-13

Tested By:

Li Xiongbin

EUT:

Radio

Model Number:

CRD4512UBA/KOM

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

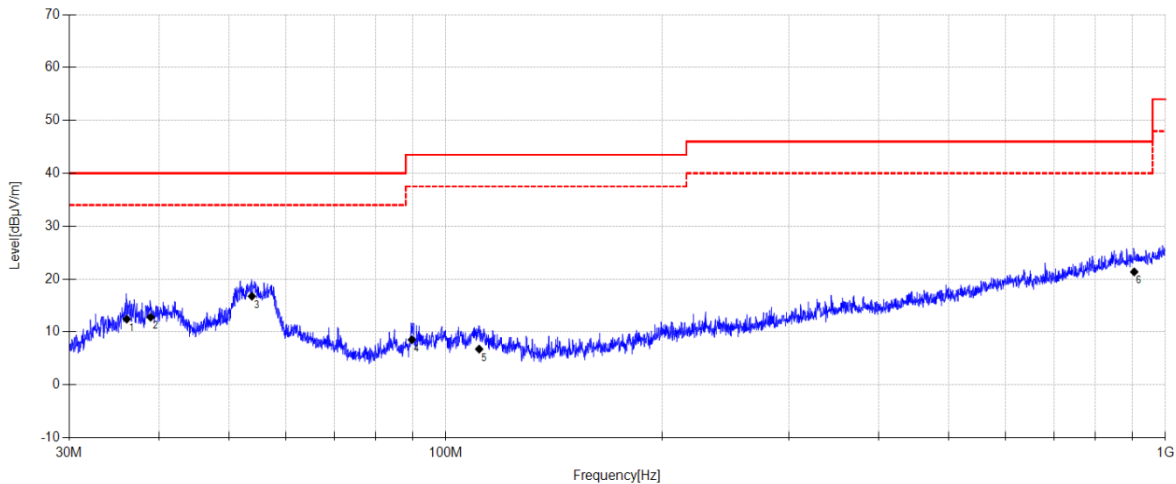
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\11

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.050	28.94	11.91	3.86	12.41	40.00	27.59	QP	Horizontal
2	38.913	28.89	12.29	3.90	12.78	40.00	27.22	QP	Horizontal
3	53.800	31.67	13.36	4.01	16.74	40.00	23.26	QP	Horizontal
4	89.759	27.03	9.53	4.25	8.51	43.50	34.99	QP	Horizontal
5	111.318	22.75	11.93	4.37	6.74	43.50	36.76	QP	Horizontal
6	905.230	23.81	22.29	7.12	21.35	46.00	24.65	QP	Horizontal

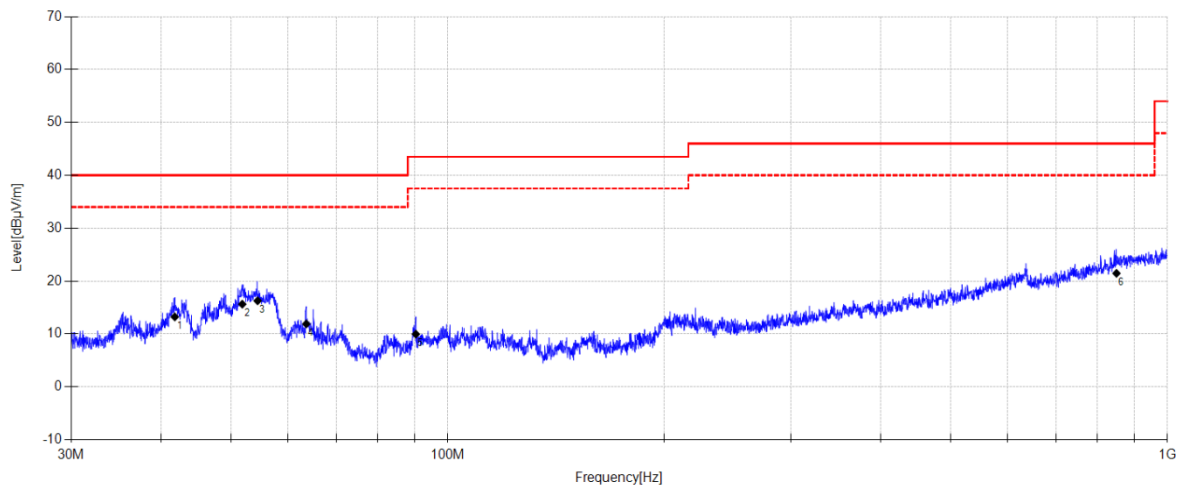
Note:

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: 2026-07-13
EUT: Radio
Test Mode: BT TX Mode
Condition: Temp:22.1°C;Humi:62.3%
File Path: d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\12
Memo: Sample Number:S25121229

Tested By: Li Xiongbín
Model Number: CRD4512UBA/KOM
Power Supply: DC 12V
Test Site: DDT 3# Chamber

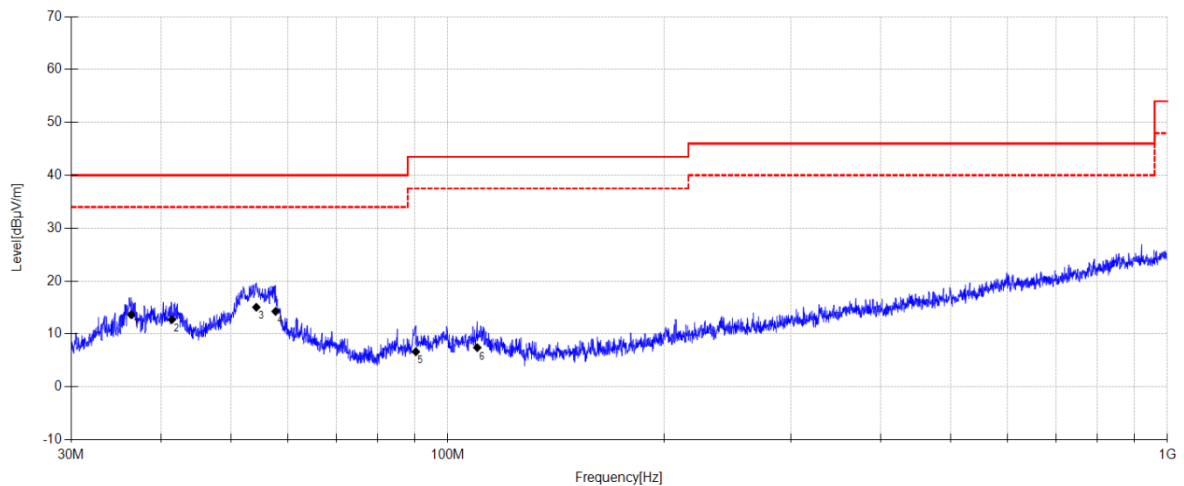
**Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	41.769	28.57	13.01	3.93	13.21	40.00	26.79	QP	Vertical
2	51.837	30.76	13.17	3.99	15.62	40.00	24.38	QP	Vertical
3	54.445	31.45	13.09	4.02	16.26	40.00	23.74	QP	Vertical
4	63.615	27.8	12.28	4.10	11.88	40.00	28.12	QP	Vertical
5	90.327	28.33	9.67	4.25	9.95	43.50	33.55	QP	Vertical
6	849.870	24.94	21.69	7.02	21.45	46.00	24.55	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: 2026-07-13**Tested By:** Li Xiongbin**EUT:** Radio**Model Number:** TR4512UBA-OR**Test Mode:** BT TX Mode**Power Supply:** DC 12V**Condition:** Temp:22.1°C;Humi:62.3%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\13**Memo:** Sample Number:S25121229

Final Data List

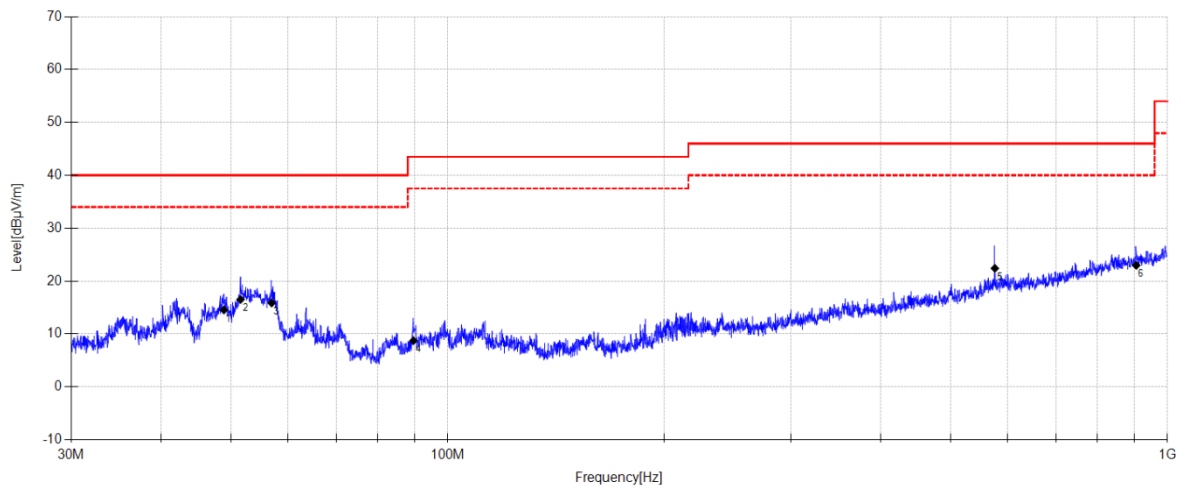
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.329	30.05	12.00	3.87	13.62	40.00	26.38	QP	Horizontal
2	41.390	28.22	12.86	3.93	12.71	40.00	27.29	QP	Horizontal
3	54.217	30.08	13.25	4.01	15.04	40.00	24.96	QP	Horizontal
4	57.667	29.61	12.90	4.04	14.25	40.00	25.75	QP	Horizontal
5	90.327	25	9.67	4.25	6.62	43.50	36.88	QP	Horizontal
6	109.922	23.43	11.92	4.36	7.40	43.50	36.10	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: 2026-07-13 **Tested By:** Li Xiongbin
EUT: Radio **Model Number:** TR4512UBA-OR
Test Mode: BT TX Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:62.3% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\14
Memo: Sample Number:S25121229

**Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	48.872	29.31	13.55	3.97	14.53	40.00	25.47	QP	Vertical
2	51.547	31.7	13.11	3.99	16.50	40.00	23.50	QP	Vertical
3	56.944	31.38	12.72	4.04	15.84	40.00	24.16	QP	Vertical
4	89.633	27.32	9.44	4.25	8.71	43.50	34.79	QP	Vertical
5	575.900	30.19	18.69	6.31	22.40	46.00	23.60	QP	Vertical
6	905.230	25.42	22.29	7.12	22.96	46.00	23.04	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:

2026-07-13

Tested By:

Li Xiongbín

EUT:

Radio

Model Number:

CR4612UBA

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

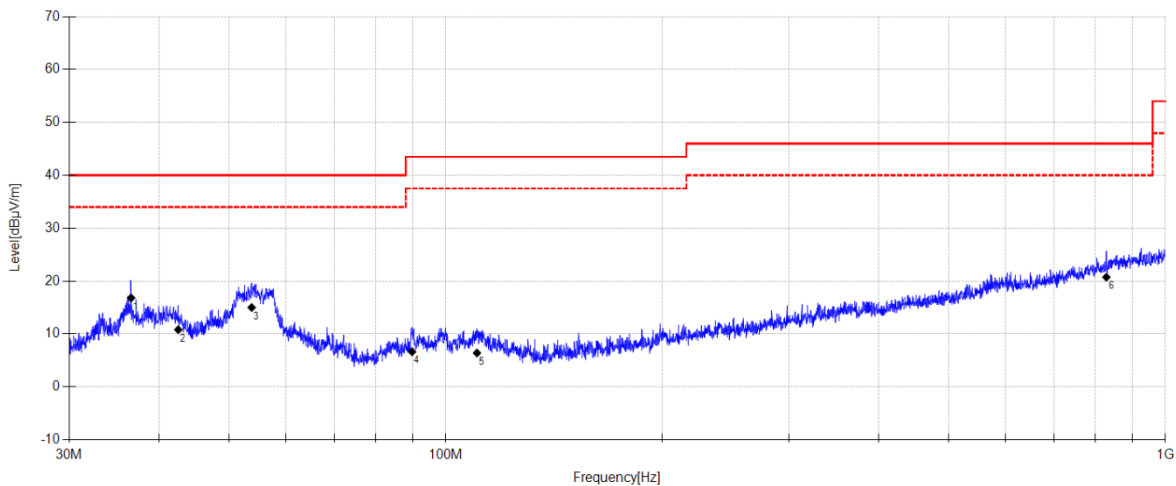
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\15

Memo:

Sample Number:S25121229



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.559	33.16	12.07	3.87	16.80	40.00	23.20	QP	Horizontal
2	42.507	25.75	13.40	3.94	10.79	40.00	29.21	QP	Horizontal
3	53.762	29.93	13.35	4.01	14.99	40.00	25.01	QP	Horizontal
4	89.822	25.09	9.58	4.25	6.62	43.50	36.88	QP	Horizontal
5	110.540	22.43	11.90	4.36	6.38	43.50	37.12	QP	Horizontal
6	828.105	25.62	20.45	6.99	20.73	46.00	25.27	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:

2026-07-13

Tested By:

Li Xiongbín

EUT:

Radio

Model Number:

CR4612UBA

Test Mode:

BT TX Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:62.3%

Test Site:

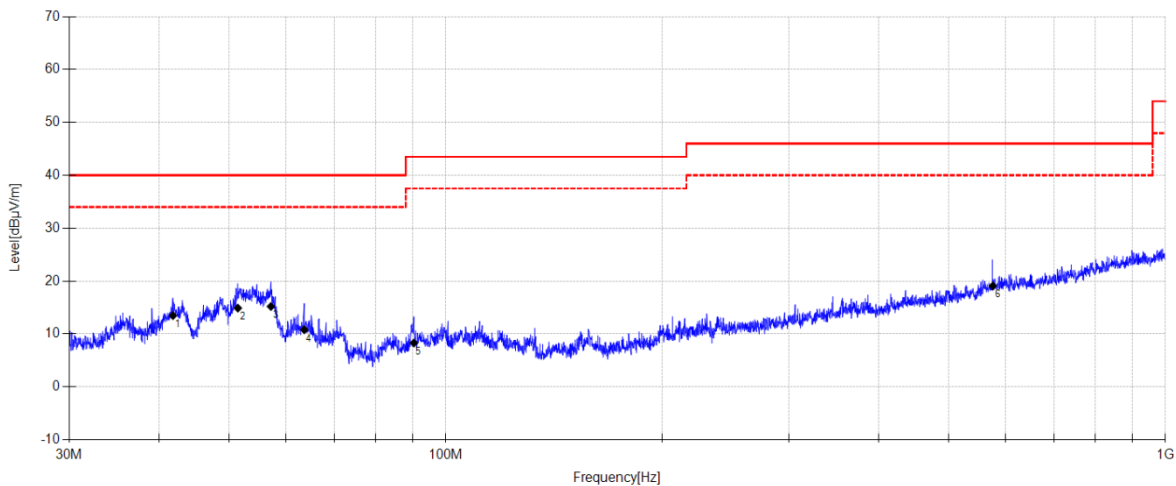
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\16

Memo:

Sample Number:S25121229



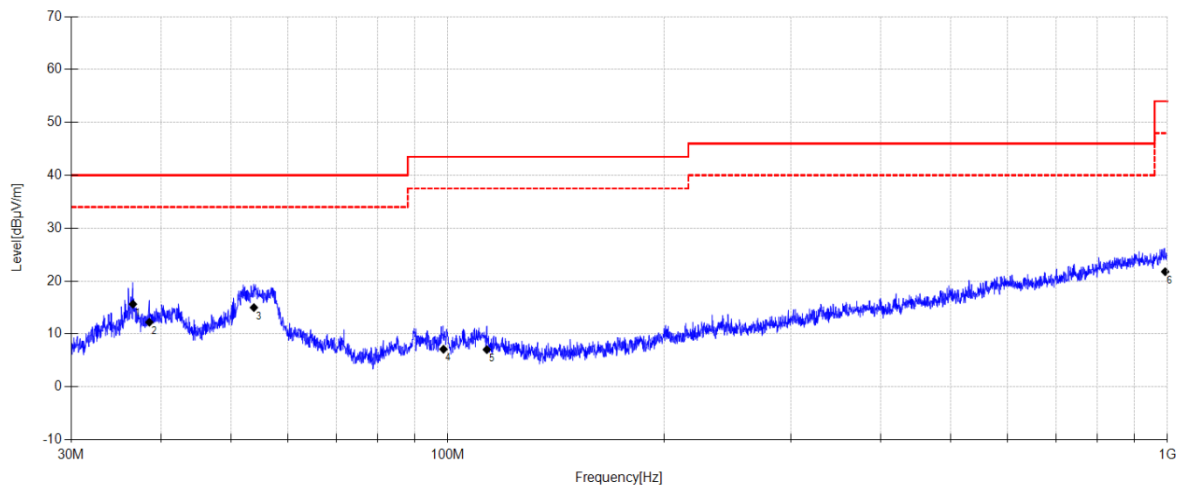
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	41.798	28.8	13.02	3.93	13.45	40.00	26.55	QP	Vertical
2	51.439	30.09	13.09	3.99	14.87	40.00	25.13	QP	Vertical
3	57.184	30.69	12.76	4.04	15.19	40.00	24.81	QP	Vertical
4	63.615	26.7	12.28	4.10	10.78	40.00	29.22	QP	Vertical
5	90.327	26.65	9.67	4.25	8.27	43.50	35.23	QP	Vertical
6	575.900	26.86	18.69	6.31	19.07	46.00	26.93	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: 2026-07-13 **Tested By:** Li Xiongbin
EUT: Radio **Model Number:** CR4512UBA/AGC
Test Mode: BT TX Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:62.3% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\17
Memo: Sample Number:S25121229

**Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36.533	31.99	12.06	3.87	15.62	40.00	24.38	QP	Horizontal
2	38.506	28.36	12.25	3.90	12.21	40.00	27.79	QP	Horizontal
3	53.800	29.91	13.36	4.01	14.98	40.00	25.02	QP	Horizontal
4	98.671	23.74	11.37	4.29	7.10	43.50	36.40	QP	Horizontal
5	113.366	23.77	11.19	4.38	7.03	43.50	36.47	QP	Horizontal
6	993.013	23.32	22.44	7.34	21.76	54.00	32.24	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: 2026-07-13 **Tested By:** Li Xiongbín

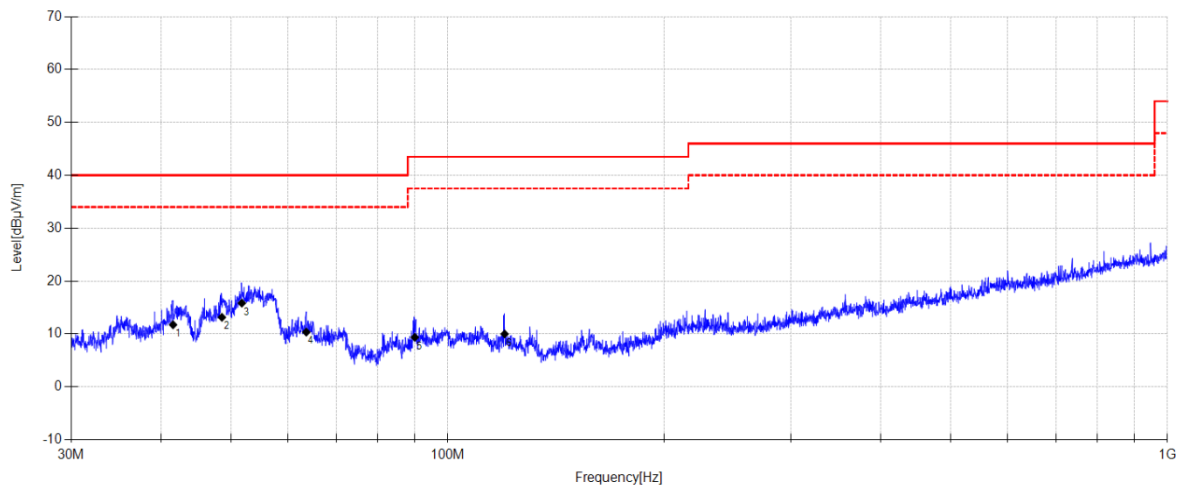
EUT: Radio **Model Number:** CR4512UBA/AGC

Test Mode: BT TX Mode **Power Supply:** DC 12V

Condition: Temp:22.1°C;Humi:62.3% **Test Site:** DDT 3# Chamber

File Path: d:\ts\2025 report date\Q25121229-2E\FCC Below 1G\18

Memo: Sample Number:S25121229

**Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	41.535	27.18	12.91	3.93	11.72	40.00	28.28	QP	Vertical
2	48.565	28.03	13.43	3.97	13.13	40.00	26.87	QP	Vertical
3	51.765	30.98	13.15	3.99	15.82	40.00	24.18	QP	Vertical
4	63.615	26.25	12.28	4.10	10.33	40.00	29.67	QP	Vertical
5	90.011	27.7	9.70	4.25	9.35	43.50	34.15	QP	Vertical
6	119.991	28.18	9.70	4.42	9.98	43.50	33.52	QP	Vertical

Note:

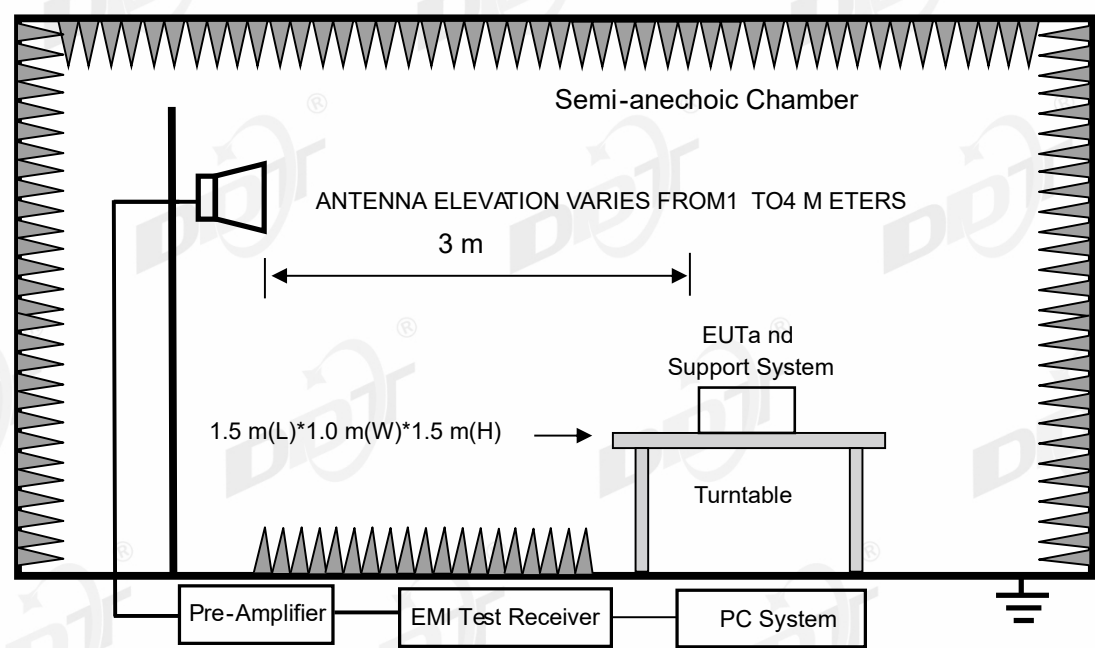
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

15. Band Edge Compliance

15.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year

15.2. Block diagram of test setup



15.3. 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.

15.4. Assistant equipment used for test

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

15.5. 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.

15.6. Test result

PASS. (See below detailed test result)

15.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

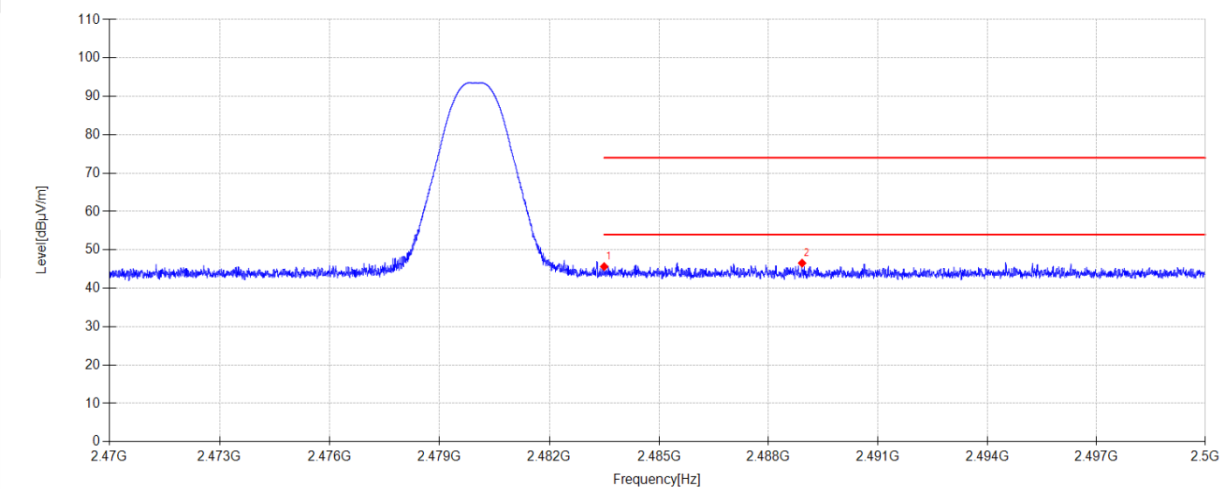
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT\7

Memo:

Sample Numbler:S25081333-006 setting power:NA



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.75	28.01	4.89	0.00	45.65	74.00	28.35	PK	Horizontal
2	2488.921	13.64	28.02	4.90	0.00	46.56	74.00	27.44	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

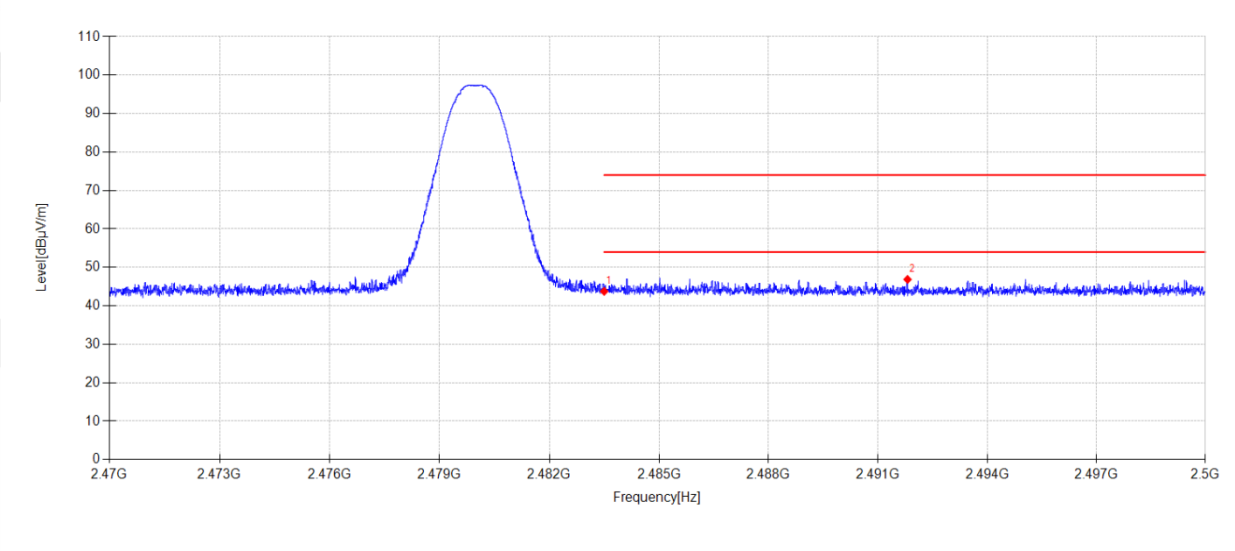
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT18

Memo:

Sample Numbler:S25081333-006 setting power:NA



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	10.87	28.01	4.89	0.00	43.77	74.00	30.23	PK	Vertical
2	2491.813	13.93	28.03	4.90	0.00	46.86	74.00	27.14	PK	Vertical

Note:

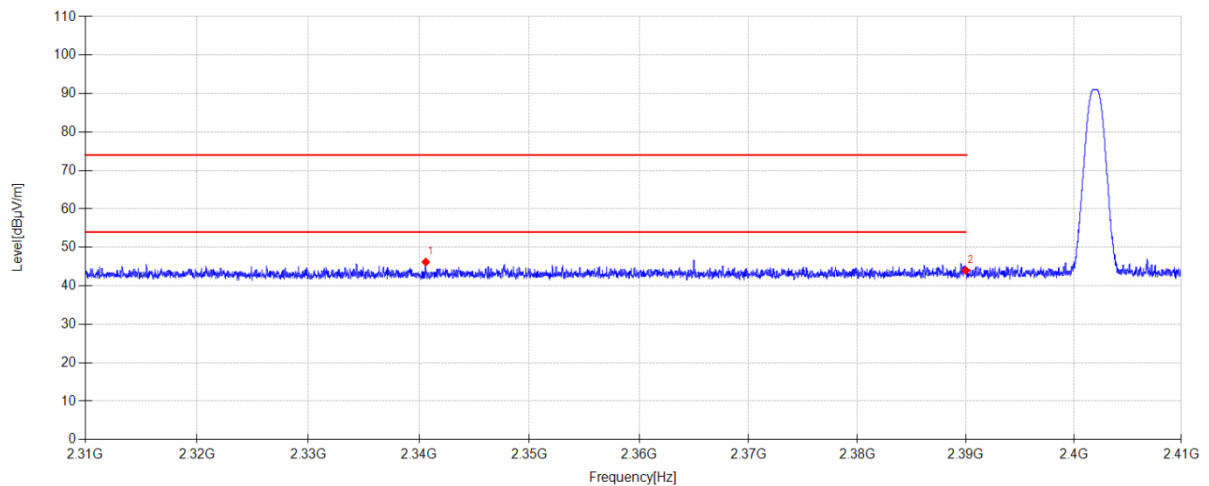
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2402MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT19
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

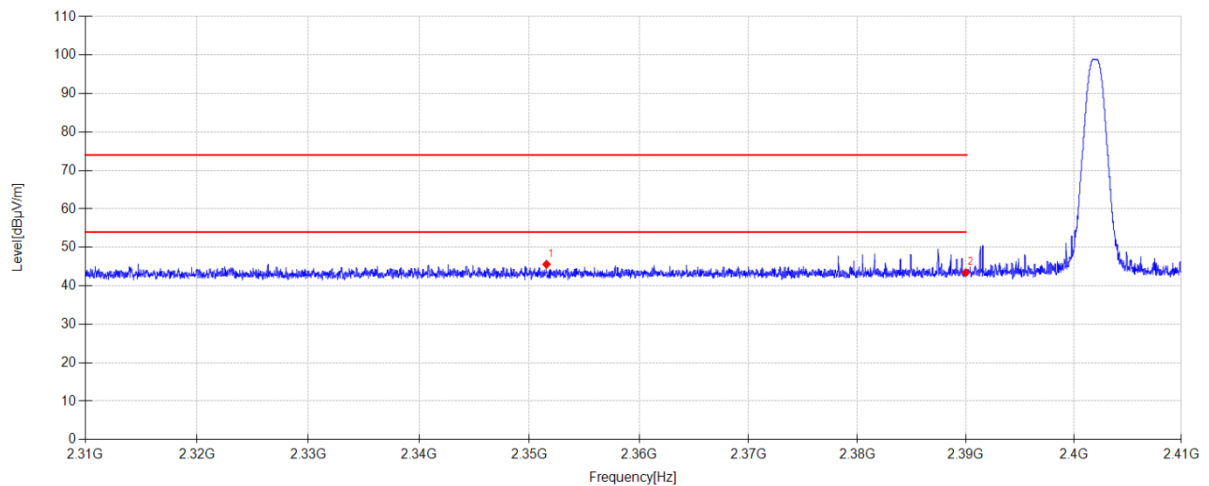
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2340.610	13.74	27.65	4.80	0.00	46.19	74.00	27.81	PK	Horizontal
2	2390.000	11.38	27.78	4.84	0.00	44.00	74.00	30.00	PK	Horizontal

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX DH5 2402MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT10
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

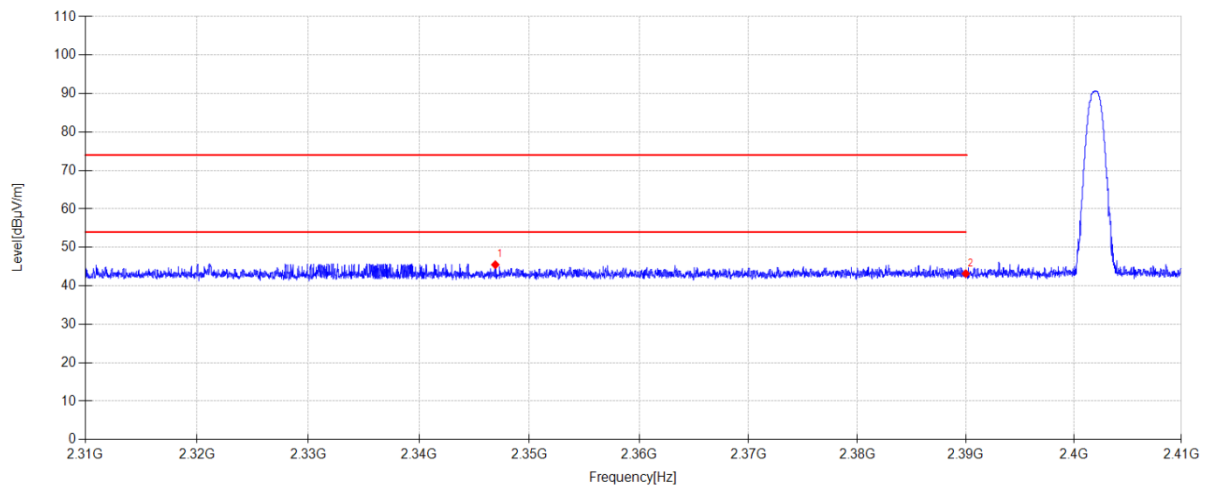
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2351.560	13.11	27.68	4.81	0.00	45.60	74.00	28.40	PK	Vertical
2	2390.000	10.83	27.78	4.84	0.00	43.45	74.00	30.55	PK	Vertical

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 2DH5 2402MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT11
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

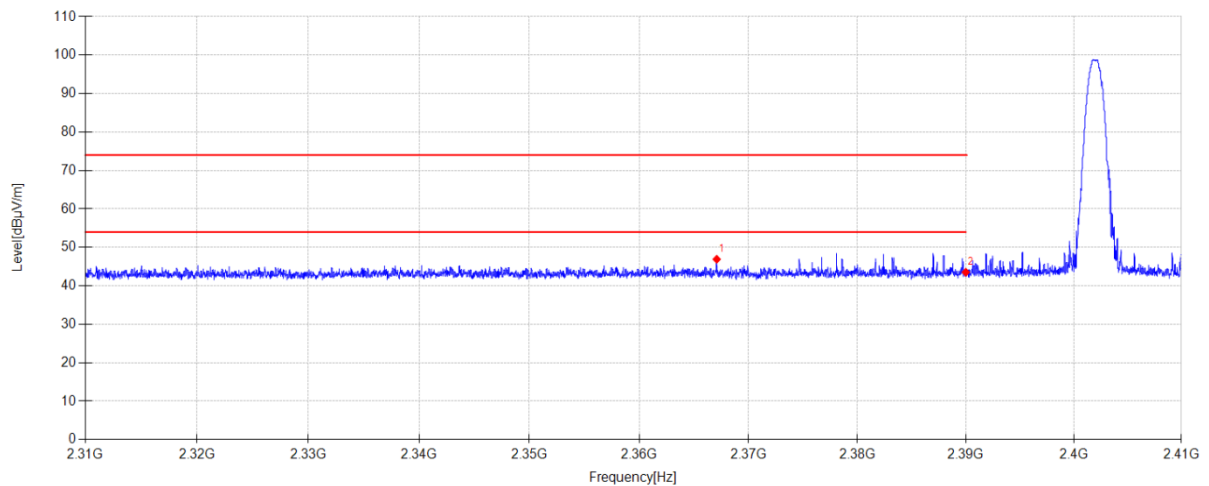
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2346.910	13.01	27.67	4.81	0.00	45.49	74.00	28.51	PK	Horizontal
2	2390.000	10.55	27.78	4.84	0.00	43.17	74.00	30.83	PK	Horizontal

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 2DH5 2402MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT12
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2367.090	14.37	27.72	4.82	0.00	46.91	74.00	27.09	PK	Vertical
2	2390.000	10.92	27.78	4.84	0.00	43.54	74.00	30.46	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX 3DH5 2402MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

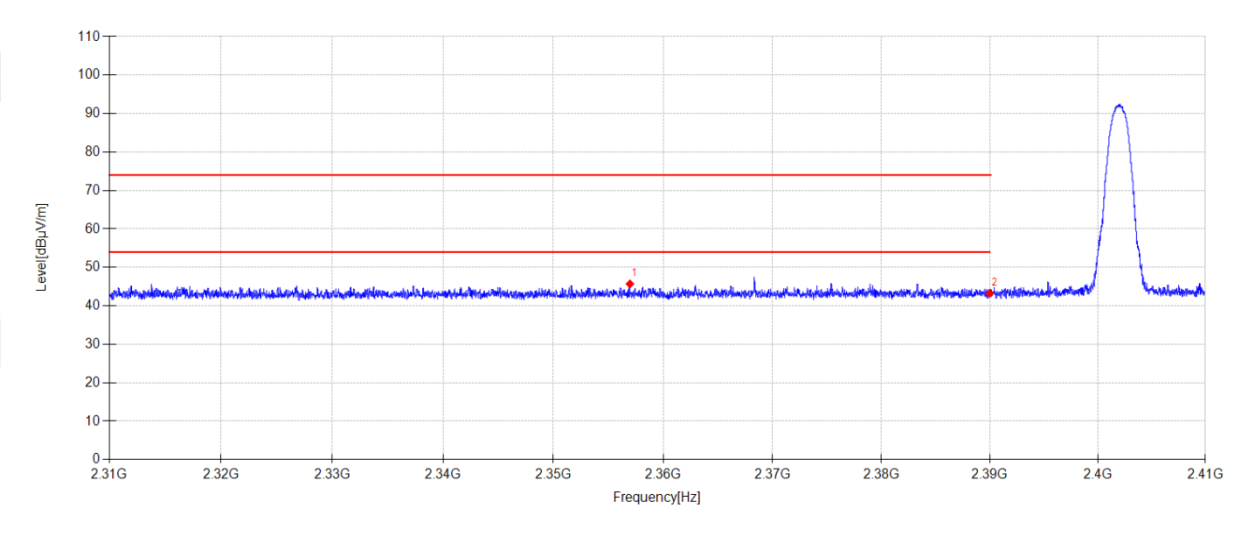
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT13

Memo:

Sample Numbler:S25081333-006 setting power:NA



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	2356.970	13.20	27.69	4.81	0.00	45.70	74.00	28.30	PK	Horizontal
2	2390.000	10.61	27.78	4.84	0.00	43.23	74.00	30.77	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:

2025-09-03

Tested By:

Nan Zhong

EUT:

Radio

Model Number:

CRD4512UBA-OR

Test Mode:

TX 3DH5 2402MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

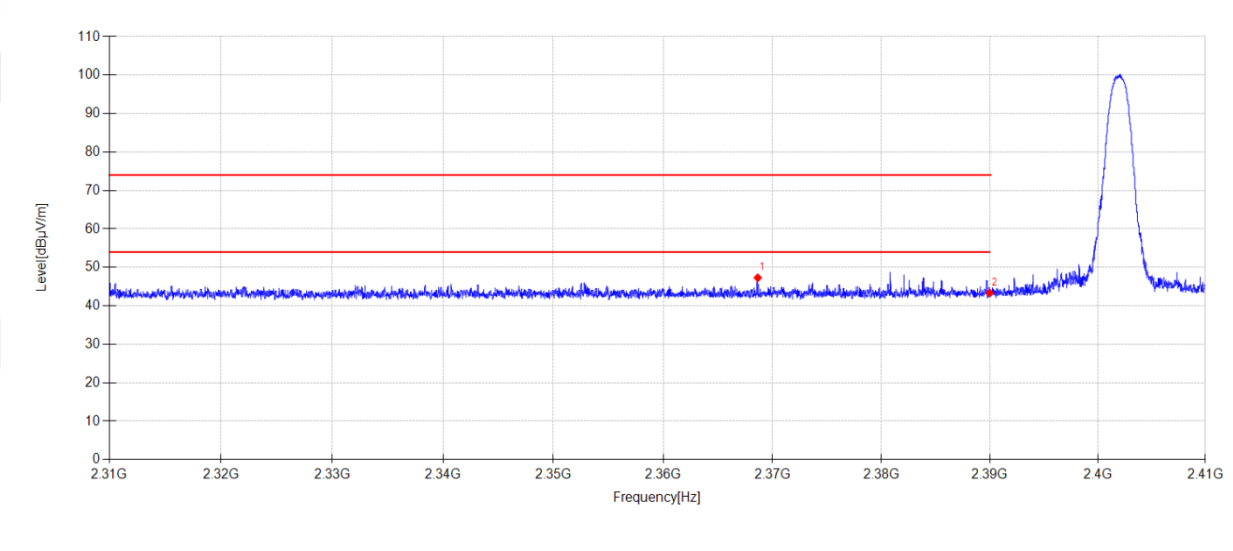
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT14

Memo:

Sample Numbler:S25081333-006 setting power:NA



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	2368.650	14.75	27.72	4.82	0.00	47.29	74.00	26.71	PK	Vertical
2	2390.000	10.70	27.78	4.84	0.00	43.32	74.00	30.68	PK	Vertical

Note:

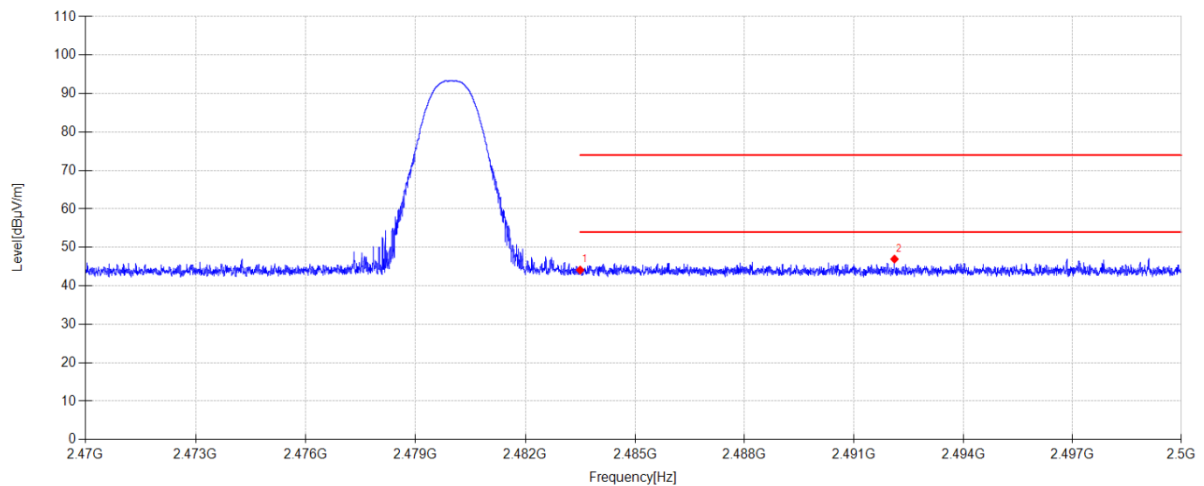
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 3DH5 2480MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT15
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

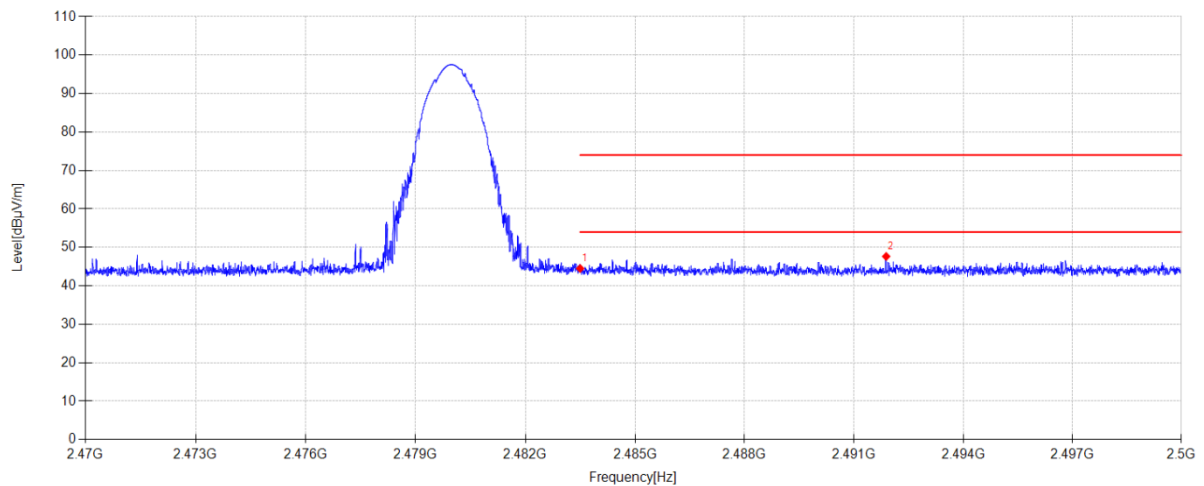
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.21	28.01	4.89	0.00	44.11	74.00	29.89	PK	Horizontal
2	2492.113	14.02	28.03	4.90	0.00	46.95	74.00	27.05	PK	Horizontal

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: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 3DH5 2480MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT16
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

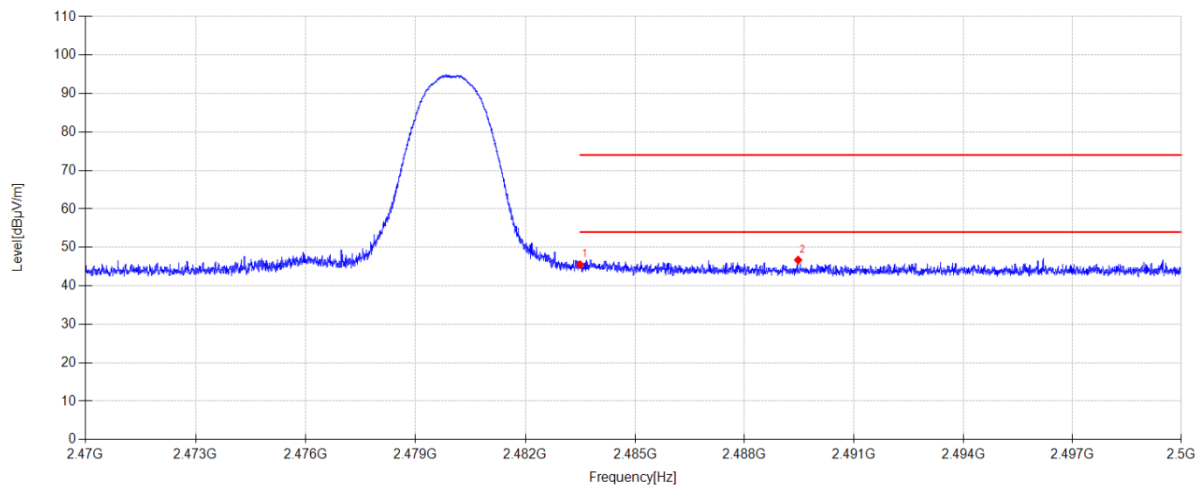
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.61	28.01	4.89	0.00	44.51	74.00	29.49	PK	Vertical
2	2491.885	14.71	28.03	4.90	0.00	47.64	74.00	26.36	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 2DH5 2480MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT17
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

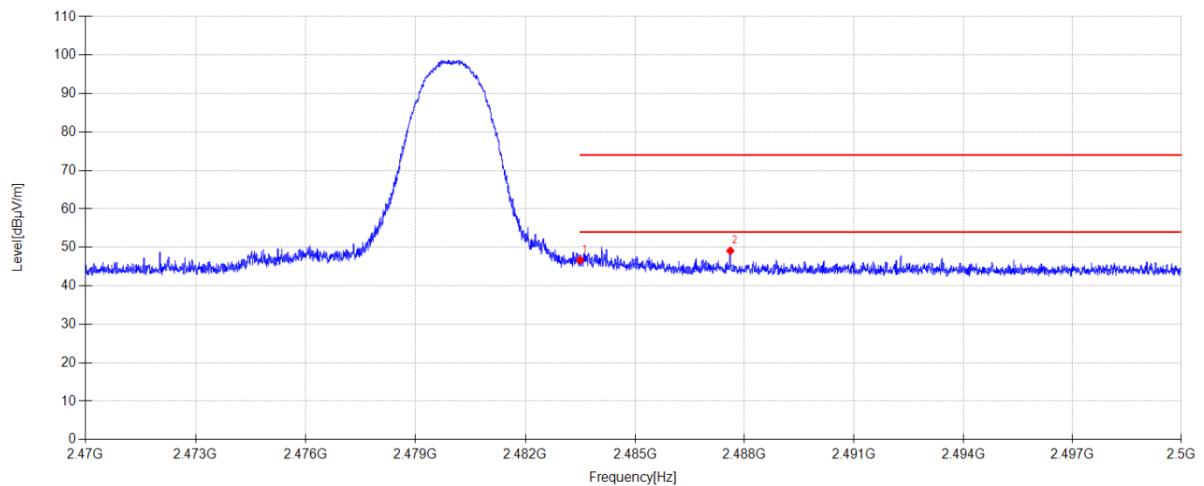
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.61	28.01	4.89	0.00	45.51	74.00	28.49	PK	Horizontal
2	2489.470	13.80	28.02	4.90	0.00	46.72	74.00	27.28	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-09-03 **Tested By:** Nan Zhong
EUT: Radio **Model Number:** CRD4512UBA-OR
Test Mode: TX 2DH5 2480MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25081333\FCC ABOVE1G BT18
Memo: Sample Numbler:S25081333-006 setting power:NA

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.80	28.01	4.89	0.00	46.70	74.00	27.30	PK	Vertical
2	2487.610	16.18	28.02	4.90	0.00	49.10	74.00	24.90	PK	Vertical

Note:

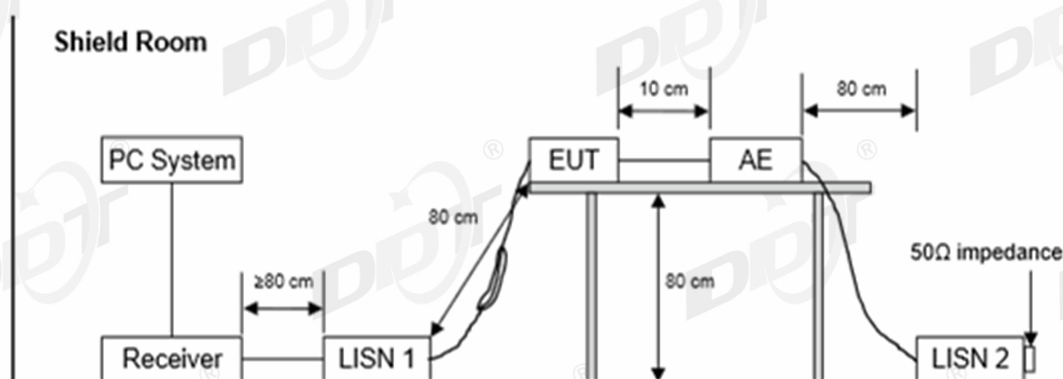
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

16. Power Line Conducted Emissions

16.1. Test equipment

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

16.2. Block diagram of test setup



16.3. 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.

16.4. Assistant equipment used for test

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

16.5. 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.

16.6. Test result

Not applicable. The product is DC powered.

18. Photos of the EUT

Please refer to appendix I

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