

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-04-22

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:20.2°C;Humi:54.5%

Test Site:

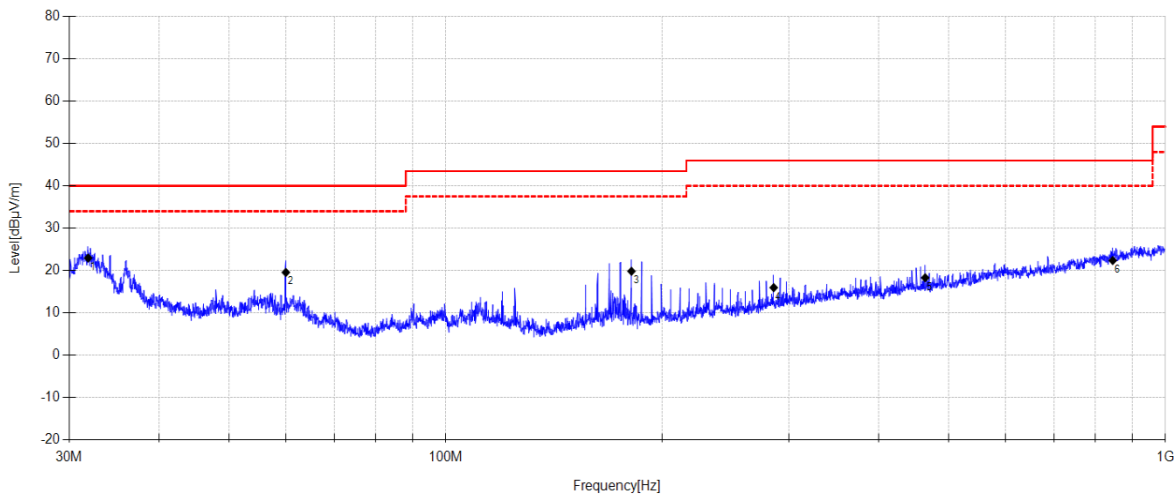
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25112120-2E\FCC BELOW 1G 0422\1

Memo:

Sample Number:S25112120-009



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	31.865	40.6	10.82	3.81	22.93	40.00	17.07	QP	Horizontal
2	59.977	35.37	12.40	4.06	19.53	40.00	20.47	QP	Horizontal
3	181.218	38.29	9.13	4.77	19.81	43.50	23.69	QP	Horizontal
4	285.649	30.02	13.10	5.22	15.94	46.00	30.06	QP	Horizontal
5	463.716	28.71	16.20	5.92	18.27	46.00	27.73	QP	Horizontal
6	845.116	26.25	21.31	7.02	22.35	46.00	23.65	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:

2026-04-22

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:20.2°C;Humi:54.5%

Test Site:

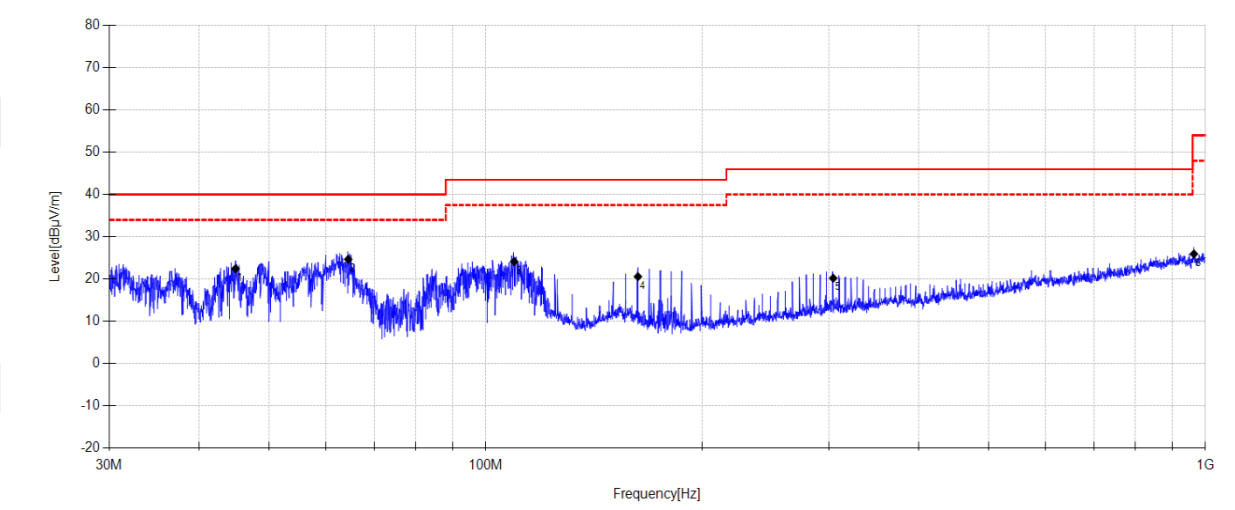
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25112120-2E\FCC BELOW 1G 0422\2

Memo:

Sample Number:S25112120-009



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	44.928	37.39	13.40	3.95	22.44	40.00	17.56	QP	Vertical
2	64.423	40.68	12.16	4.11	24.65	40.00	15.35	QP	Vertical
3	109.537	40.02	12.04	4.36	24.11	43.50	19.39	QP	Vertical
4	162.784	38.91	9.34	4.66	20.55	43.50	22.95	QP	Vertical
5	304.042	33.43	13.84	5.30	20.17	46.00	25.83	QP	Vertical
6	964.196	27.72	22.44	7.27	25.92	54.00	28.08	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

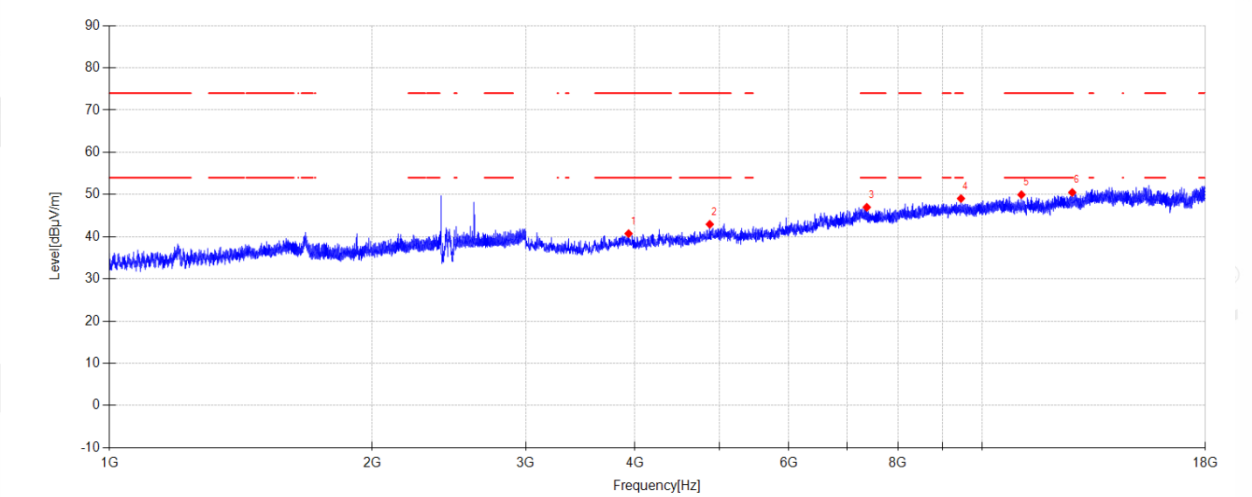
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\36

Memo:

Sample Number:S25112120-009



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	3933.000	49.28	31.67	-40.21	40.74	74.00	33.26	PK	Horizontal
2	4872.000	49.90	33.44	-40.40	42.94	74.00	31.06	PK	Horizontal
3	7371.000	48.60	37.32	-38.95	46.97	74.00	27.03	PK	Horizontal
4	9450.000	46.57	39.30	-36.82	49.05	74.00	24.95	PK	Horizontal
5	11082.000	45.55	39.70	-35.29	49.96	74.00	24.04	PK	Horizontal
6	12672.000	44.98	40.22	-34.71	50.49	74.00	23.51	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

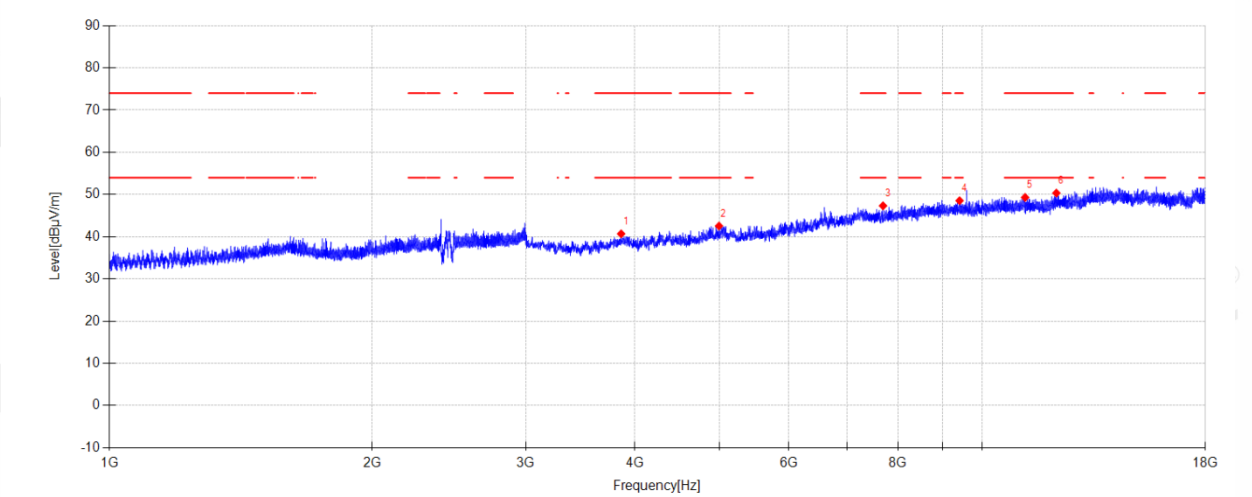
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\37

Memo:

Sample Number:S25112120-009



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	3856.500	49.33	31.51	-40.16	40.68	74.00	33.32	PK	Vertical
2	4992.000	49.25	33.87	-40.58	42.54	74.00	31.46	PK	Vertical
3	7693.500	48.84	37.30	-38.81	47.33	74.00	26.67	PK	Vertical
4	9414.000	46.16	39.23	-36.85	48.54	74.00	25.46	PK	Vertical
5	11190.000	44.84	39.88	-35.41	49.31	74.00	24.69	PK	Vertical
6	12153.000	44.89	39.90	-34.45	50.34	74.00	23.66	PK	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2441MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

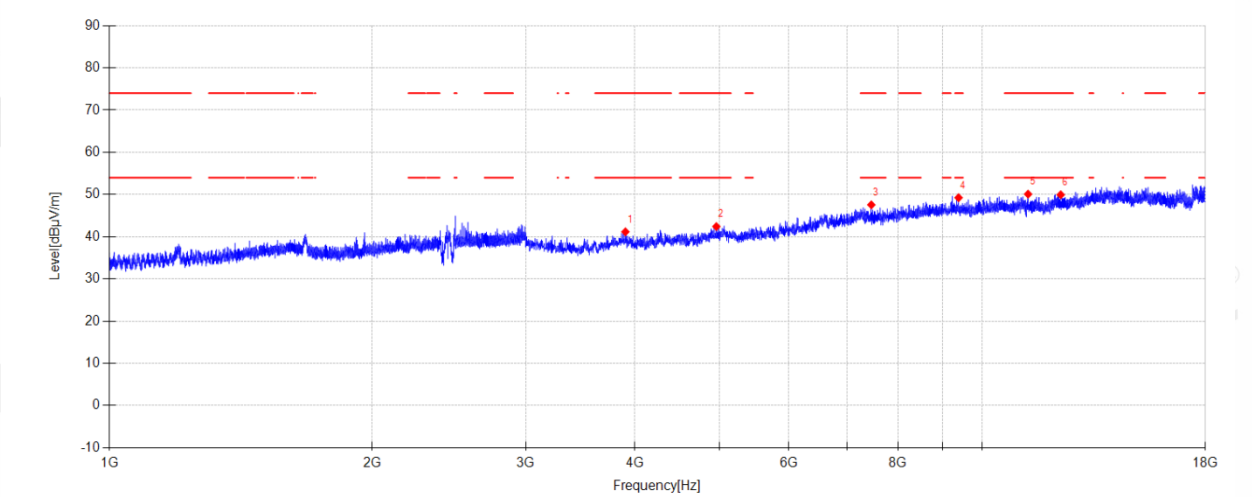
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\38

Memo:

Sample Number:S25112120-009



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	3900.000	49.59	31.60	-40.03	41.16	74.00	32.84	PK	Horizontal
2	4957.500	49.19	33.73	-40.51	42.41	74.00	31.59	PK	Horizontal
3	7459.500	49.41	37.10	-38.95	47.56	74.00	26.44	PK	Horizontal
4	9390.000	46.90	39.20	-36.85	49.25	74.00	24.75	PK	Horizontal
5	11278.500	45.54	39.98	-35.43	50.09	74.00	23.91	PK	Horizontal
6	12292.500	44.61	39.81	-34.48	49.94	74.00	24.06	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2441MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

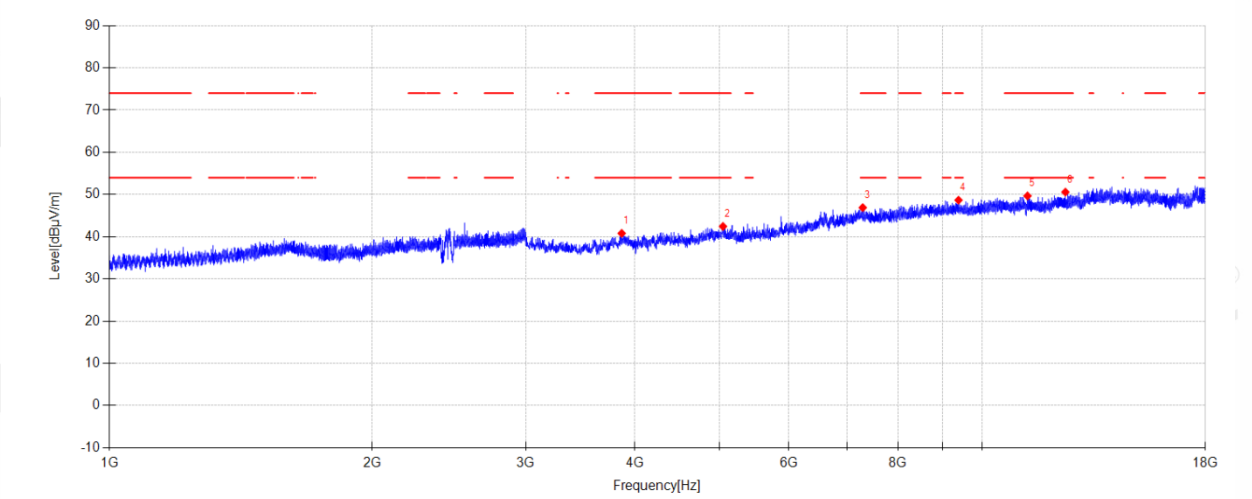
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\39

Memo:

Sample Number:S25112120-009



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	3862.500	49.41	31.53	-40.14	40.80	74.00	33.20	PK	Vertical
2	5044.500	48.82	33.99	-40.37	42.44	74.00	31.56	PK	Vertical
3	7293.000	48.31	37.71	-39.13	46.89	74.00	27.11	PK	Vertical
4	9388.500	46.32	39.20	-36.85	48.67	74.00	25.33	PK	Vertical
5	11260.500	45.14	39.96	-35.43	49.67	74.00	24.33	PK	Vertical
6	12445.500	45.23	39.75	-34.40	50.58	74.00	23.42	PK	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

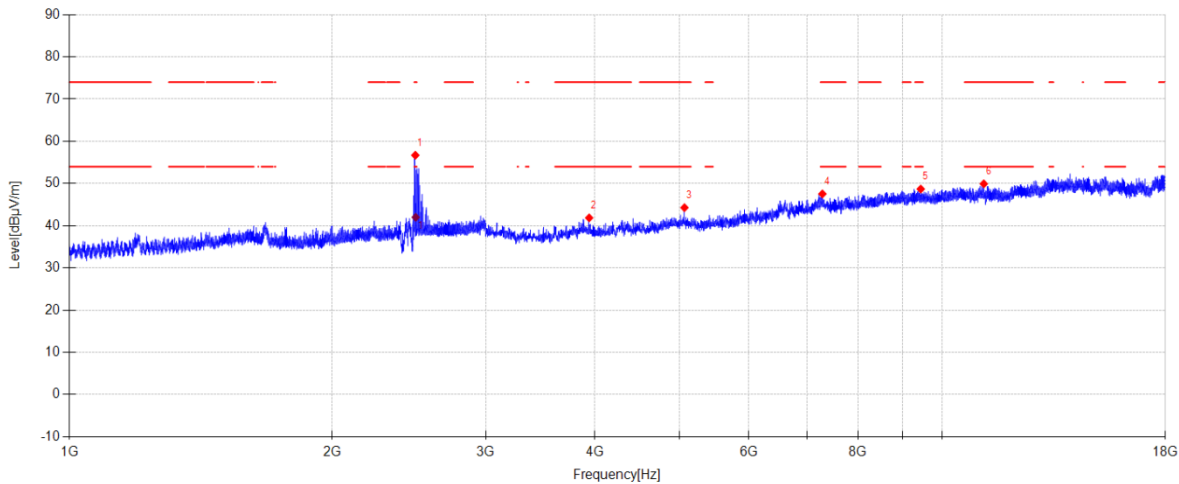
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\40

Memo:

Sample Number:S25112120-009



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	2490.400	55.64	28.64	-27.58	56.70	74.00	17.30	PK	Horizontal
2	3939.000	50.42	31.68	-40.24	41.86	74.00	32.14	PK	Horizontal
3	5064.000	50.55	34.00	-40.27	44.28	74.00	29.72	PK	Horizontal
4	7285.500	48.97	37.73	-39.16	47.54	74.00	26.46	PK	Horizontal
5	9444.000	46.22	39.29	-36.82	48.69	74.00	25.31	PK	Horizontal
6	11152.500	45.48	39.81	-35.37	49.92	74.00	24.08	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	2492.860	40.94	28.64	-27.58	42.00	54.00	12.00	AV	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

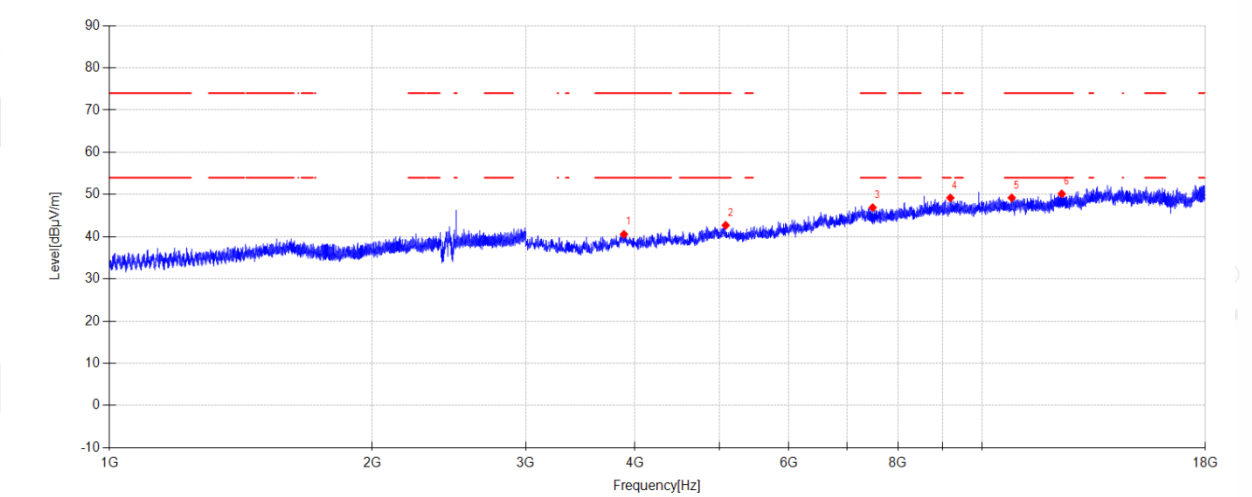
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\41

Memo:

Sample Number:S25112120-009



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	3885.000	49.08	31.57	-40.07	40.58	74.00	33.42	PK	Vertical
2	5080.500	48.89	34.00	-40.19	42.70	74.00	31.30	PK	Vertical
3	7486.500	48.78	37.10	-38.98	46.90	74.00	27.10	PK	Vertical
4	9189.000	47.39	38.98	-37.17	49.20	74.00	24.80	PK	Vertical
5	10803.000	45.13	40.00	-35.91	49.22	74.00	24.78	PK	Vertical
6	12325.500	44.84	39.77	-34.45	50.16	74.00	23.84	PK	Vertical

Note:

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

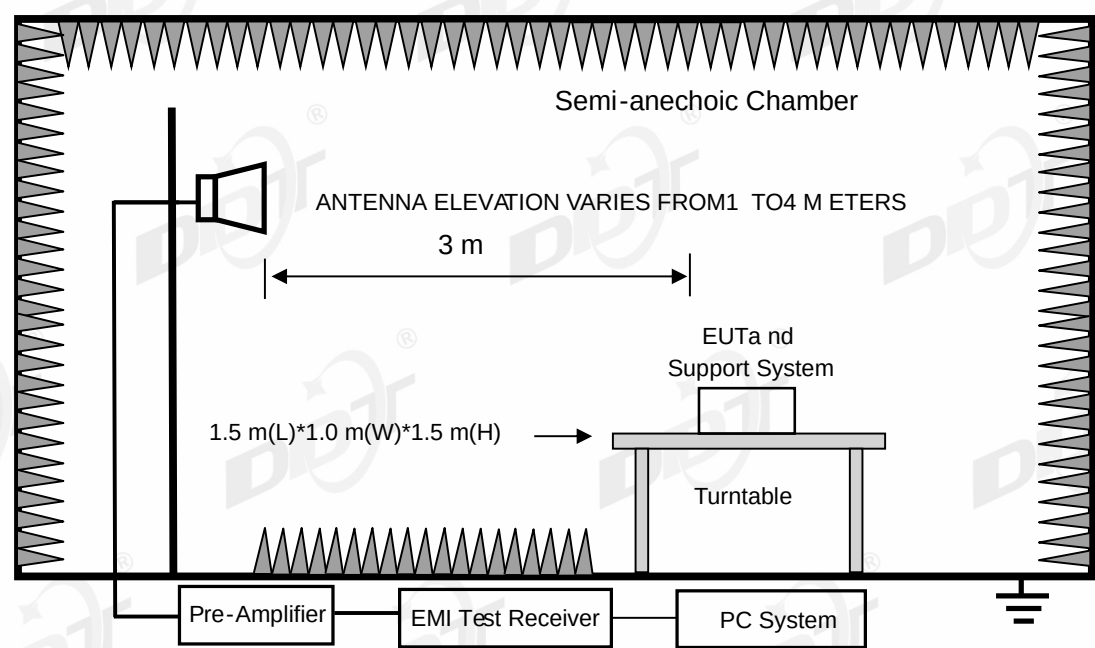
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

15. Band Edge Compliance

15.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBECK	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	2026/07/06

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.

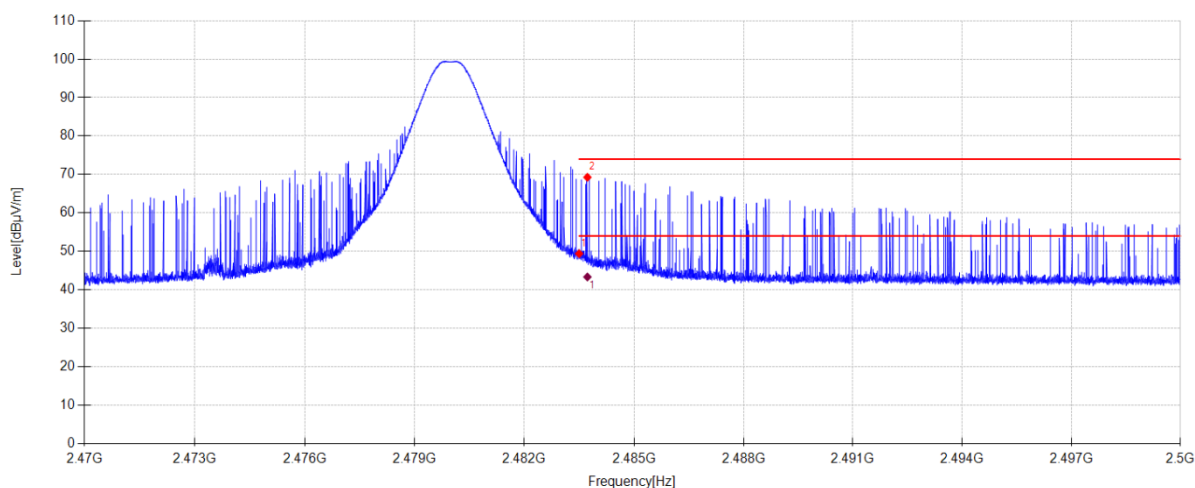
15.6. Test result

PASS. (See below detailed test result)

15.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-05-18 **Tested By:** Cao Jie
Test Mode: TX DH5 2480MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:24.1°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\28
Memo: Sample Number:S25112120-009



Suspected Data List

N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	49.53	28.60	-28.72	49.41	74.00	24.59	PK	Horizontal
2	2483.725	69.39	28.60	-28.72	69.27	74.00	4.73	PK	Horizontal

Final Data List

N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.725	43.47	28.60	-28.72	43.35	54.00	10.65	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2480MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

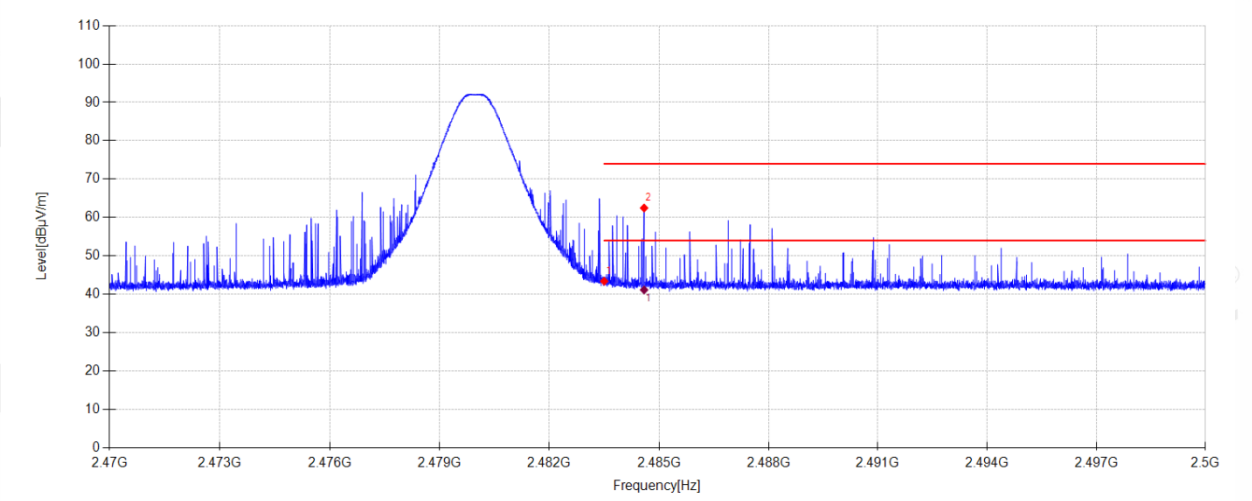
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\29

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	43.53	28.60	-28.72	43.41	74.00	30.59	PK	Vertical
2	2484.592	62.59	28.61	-28.72	62.48	74.00	11.52	PK	Vertical

Final Data List									
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2484.592	41.26	28.61	-28.72	41.15	54.00	12.85	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

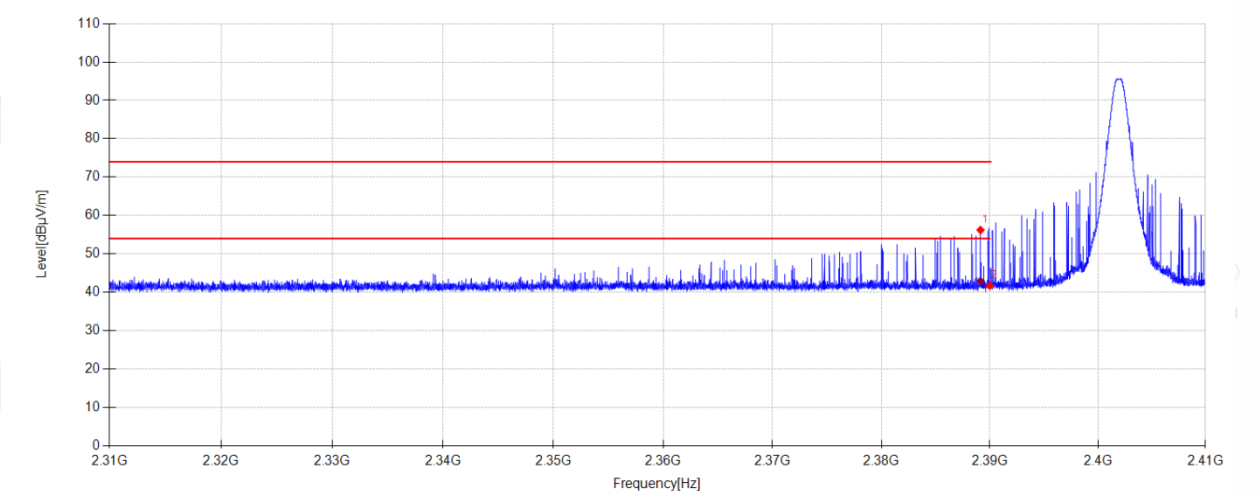
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\30

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.140	56.67	28.18	-28.63	56.22	74.00	17.78	PK	Horizontal
2	2390.000	42.20	28.18	-28.63	41.75	74.00	32.25	PK	Horizontal

Final Data List									
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.140	43.36	28.18	-28.63	42.91	54.00	11.09	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

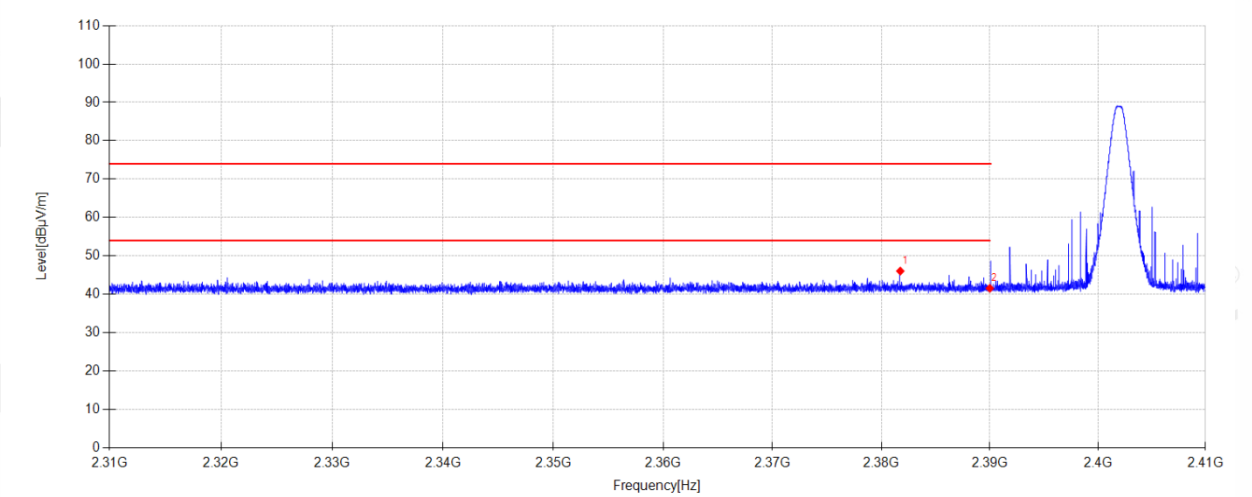
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\31

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2381.740	46.54	28.16	-28.65	46.05	74.00	27.95	PK	Vertical
2	2390.000	42.01	28.18	-28.63	41.56	74.00	32.44	PK	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX 2DH5 2480MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

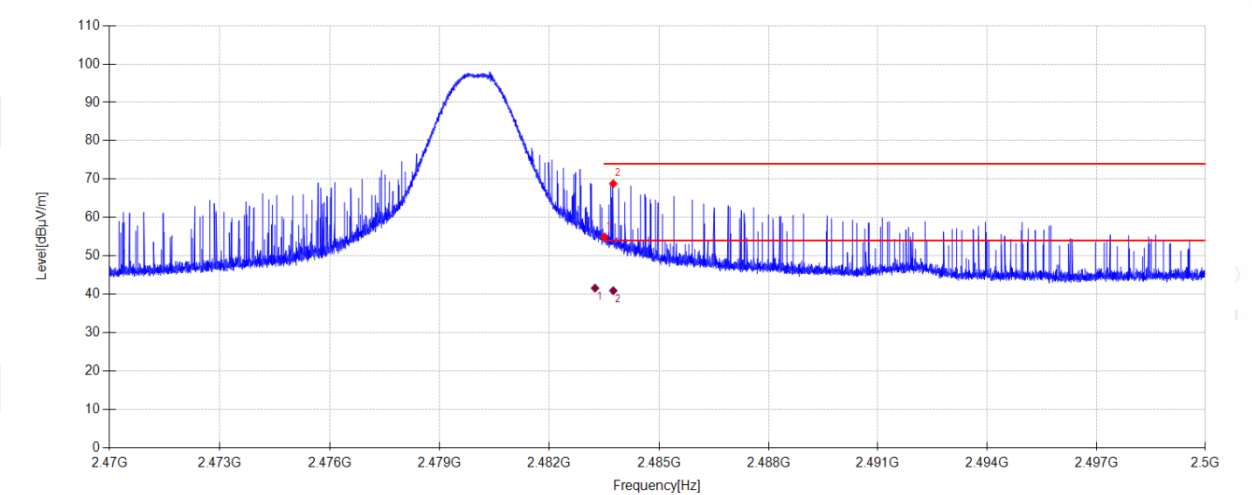
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\32

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	55.03	28.60	-28.72	54.91	74.00	19.09	PK	Horizontal
2	2483.749	68.93	28.60	-28.72	68.81	74.00	5.19	PK	Horizontal

Final Data List									
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.250	41.73	28.60	-28.72	41.61	53.99	12.38	AV	Horizontal
2	2483.749	41.06	28.60	-28.72	40.94	54.00	13.06	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX 2DH5 2480MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

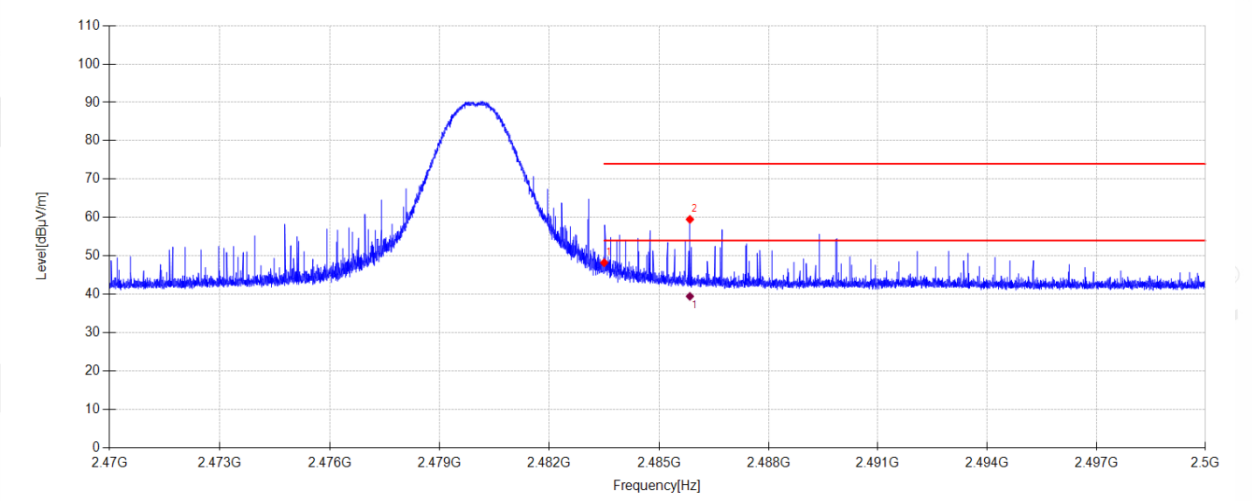
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\33

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	48.35	28.60	-28.72	48.23	74.00	25.77	PK	Vertical
2	2485.846	59.61	28.62	-28.72	59.51	74.00	14.49	PK	Vertical

Final Data List									
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2485.846	39.57	28.62	-28.72	39.47	54.00	14.53	AV	Vertical

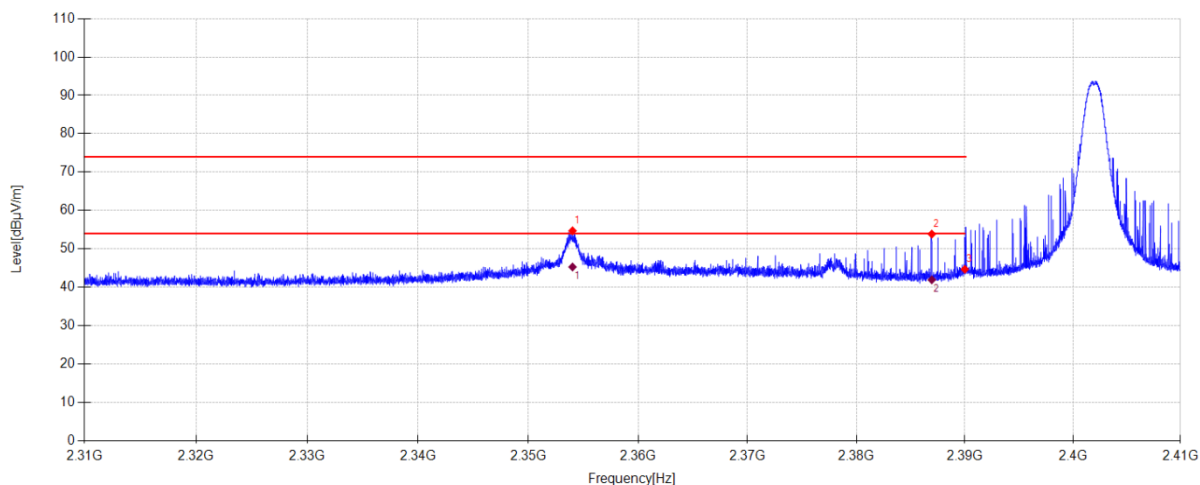
Note:

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: 2026-05-18 **Tested By:** Cao Jie
Test Mode: TX 2DH5 2402MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:24.1°C;Humi:46.5% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\34
Memo: Sample Number:S25112120-009



Suspected Data List

N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2354.020	55.34	28.11	-28.72	54.73	74.00	19.27	PK	Horizontal
2	2386.950	54.34	28.17	-28.64	53.87	74.00	20.13	PK	Horizontal
3	2390.000	45.15	28.18	-28.63	44.70	74.00	29.30	PK	Horizontal

Final Data List

N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2354.020	45.90	28.11	-28.72	45.29	54.00	8.71	AV	Horizontal
2	2386.950	42.42	28.17	-28.64	41.95	54.00	12.05	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:

2026-05-18

Tested By:

Cao Jie

Test Mode:

TX 2DH5 2402MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:46.5%

Test Site:

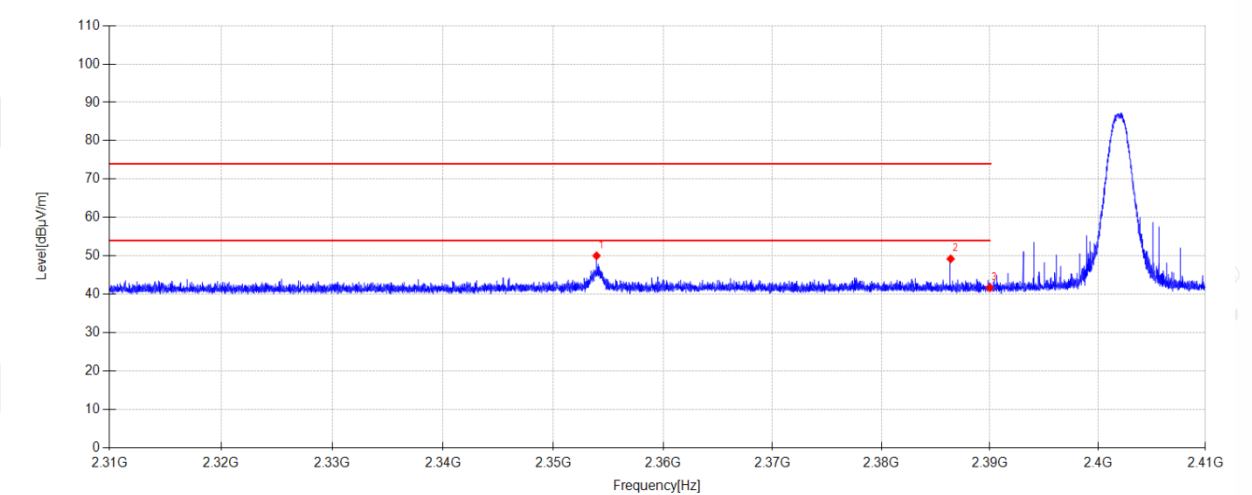
4# Fully Anechoic Room

File Path:

d:\ts\2026 test date\xinyang\0518 FCC ABOVE 1G BT\35

Memo:

Sample Number:S25112120-009



Suspected Data List									
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2353.930	50.65	28.11	-28.72	50.04	74.00	23.96	PK	Vertical
2	2386.380	49.70	28.17	-28.64	49.23	74.00	24.77	PK	Vertical
3	2390.000	42.16	28.18	-28.63	41.71	74.00	32.29	PK	Vertical

Note:

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

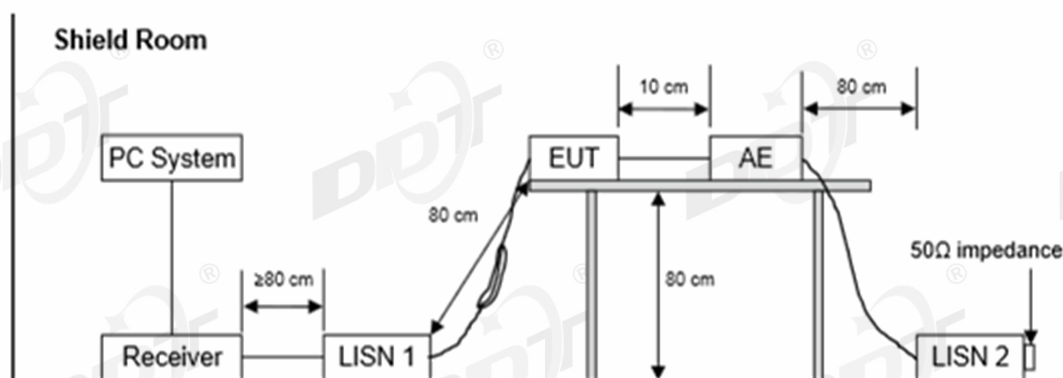
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

16. Power Line Conducted Emissions

16.1. 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	2026/07/06
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	2026/07/06

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

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.

16.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25112120\0426 CE.EM6

Test Date : 2026-04-26

Tested By : Jiahao Yang

Power Supply : AC 120V/60Hz

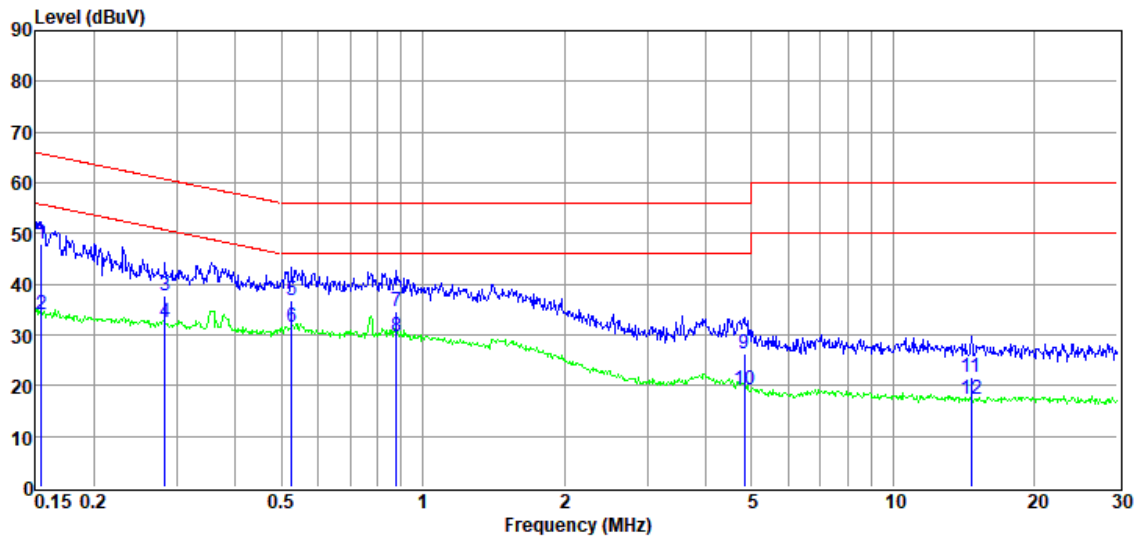
Test Mode : TX DH5 2402MHz Mode

Condition : Temp:25.6°C,Humi:62%

LISN : 2025 2# 216/LINE

Memo : S25112120
-001

Data: 2



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	0.15	28.12	9.47	0.05	10.21	47.85	65.74	17.89	QP	LINE
2	0.15	14.35	9.47	0.05	10.21	34.08	55.74	21.66	Average	LINE
3	0.28	17.93	9.47	0.07	10.25	37.72	60.72	23.00	QP	LINE
4	0.28	12.59	9.47	0.07	10.25	32.38	50.72	18.34	Average	LINE
5	0.53	16.99	9.49	0.10	10.33	36.91	56.00	19.09	QP	LINE
6	0.53	11.64	9.49	0.10	10.33	31.56	46.00	14.44	Average	LINE
7	0.88	14.61	9.50	0.16	10.39	34.66	56.00	21.34	QP	LINE
8	0.88	9.79	9.50	0.16	10.39	29.84	46.00	16.16	Average	LINE
9	4.82	6.27	9.54	0.24	10.27	26.32	56.00	29.68	QP	LINE
10	4.82	-0.93	9.54	0.24	10.27	19.12	46.00	26.88	Average	LINE
11	14.67	1.51	9.73	0.32	10.21	21.77	60.00	38.23	QP	LINE
12	14.67	-3.09	9.73	0.32	10.21	17.17	50.00	32.83	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:\2025 report data\Q25112120\0426 CE.EM6

Test Date : 2026-04-26

Tested By : Jiahao Yang

Power Supply : AC 120V/60Hz

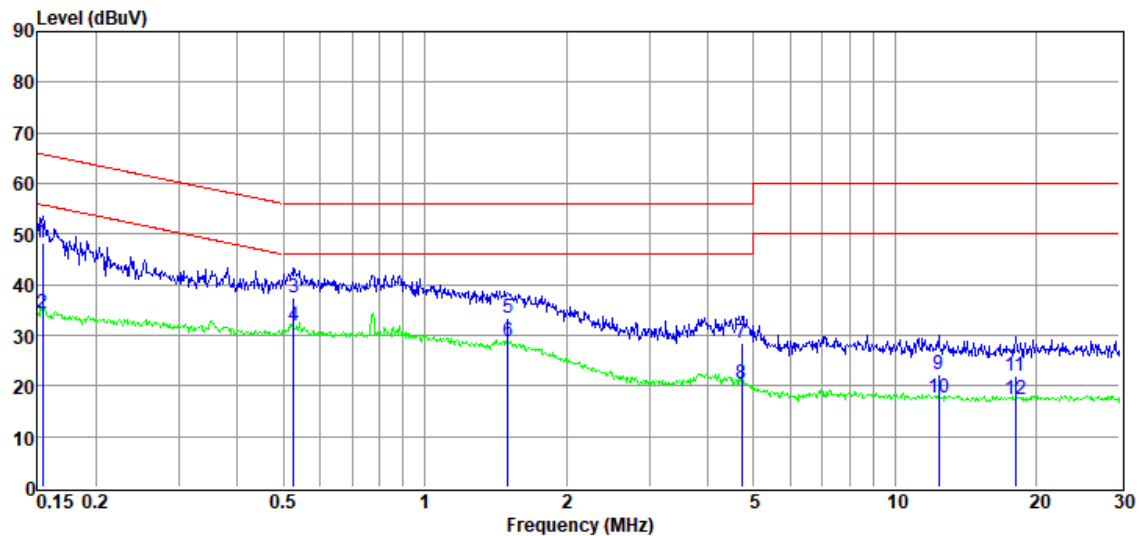
Test Mode : TX DH5 2402MHz Mode

Condition : Temp:25.6°C,Humi:62%

LISN : 2025 2# 216/NEUTRAL

Memo : S25112120
-001

Data: 4



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	0.15	28.60	9.49	0.05	10.21	48.35	65.78	17.43	QP	NEUTRAL
2	0.15	14.56	9.49	0.05	10.21	34.31	55.78	21.47	Average	NEUTRAL
3	0.53	17.63	9.48	0.10	10.33	37.54	56.00	18.46	QP	NEUTRAL
4	0.53	12.02	9.48	0.10	10.33	31.93	46.00	14.07	Average	NEUTRAL
5	1.50	13.31	9.50	0.20	10.39	33.40	56.00	22.60	QP	NEUTRAL
6	1.50	8.54	9.50	0.20	10.39	28.63	46.00	17.37	Average	NEUTRAL
7	4.72	8.30	9.53	0.24	10.27	28.34	56.00	27.66	QP	NEUTRAL
8	4.72	0.49	9.53	0.24	10.27	20.53	46.00	25.47	Average	NEUTRAL
9	12.38	2.09	9.72	0.30	10.18	22.29	60.00	37.71	QP	NEUTRAL
10	12.38	-2.63	9.72	0.30	10.18	17.57	50.00	32.43	Average	NEUTRAL
11	18.04	1.52	9.89	0.34	10.27	22.02	60.00	37.98	QP	NEUTRAL
12	18.04	-3.18	9.89	0.34	10.27	17.32	50.00	32.68	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.

18. Photos of the EUT

Please refer to DDT-Q25112120-1E appendix I

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