(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

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

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

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

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

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

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

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

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) For 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is reported)

(11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in worst mode.

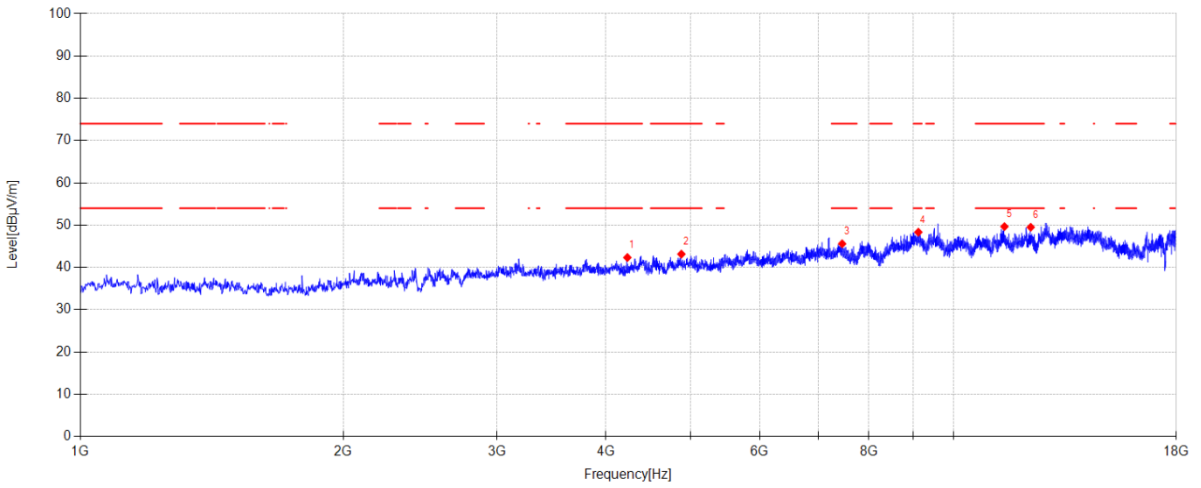
12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\1		
Memo:	Sample Number: S25120144-004 Power Setting:11		

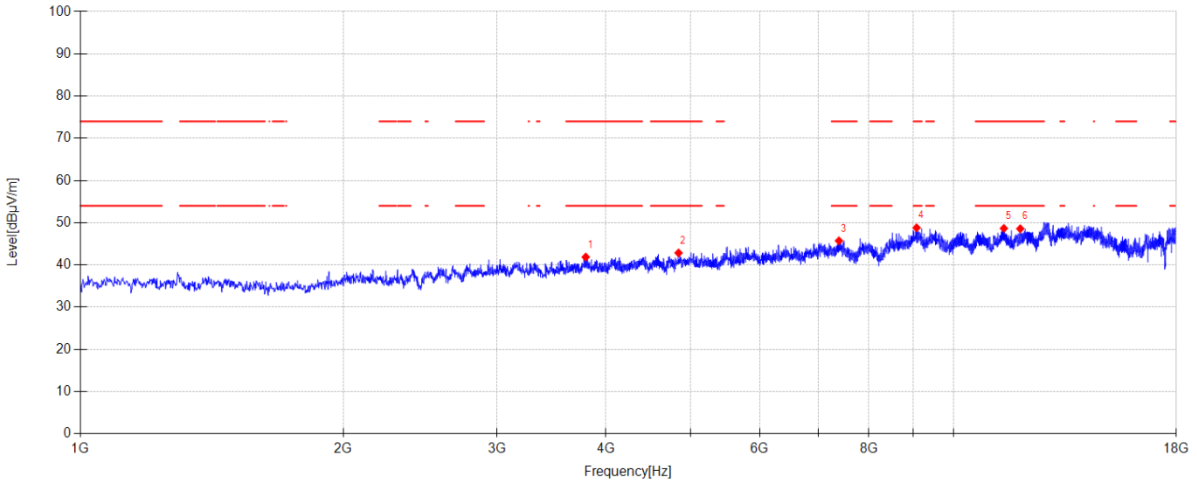


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4231.700	46.20	31.13	4.73	-39.72	42.34	74.00	31.66	PK	Horizontal
2	4879.400	44.75	33.02	5.17	-39.79	43.15	74.00	30.85	PK	Horizontal
3	7456.600	43.03	36.64	5.78	-39.85	45.60	74.00	28.40	PK	Horizontal
4	9115.800	41.97	38.32	6.78	-38.73	48.34	74.00	25.66	PK	Horizontal
5	11439.700	42.27	39.40	7.59	-39.60	49.66	74.00	24.34	PK	Horizontal
6	12260.800	41.77	39.32	7.81	-39.39	49.51	74.00	24.49	PK	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\2		
Memo:	Sample Number: S25120144-004 Power Setting:11		

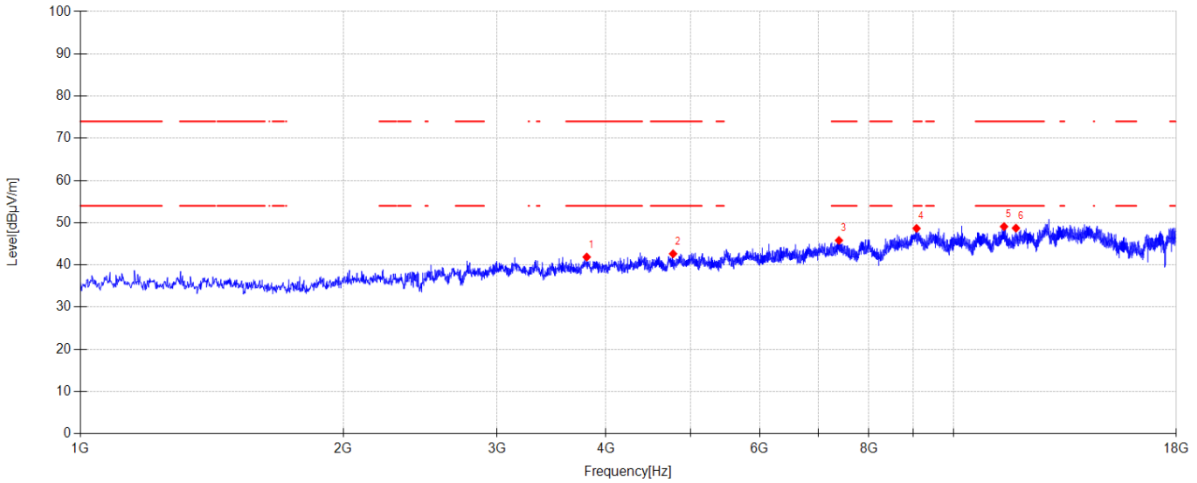


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3791.400	46.24	30.71	4.54	-39.62	41.87	74.00	32.13	PK	Vertical
2	4843.700	44.68	32.80	5.14	-39.78	42.84	74.00	31.16	PK	Vertical
3	7393.700	43.07	36.74	5.76	-39.86	45.71	74.00	28.29	PK	Vertical
4	9073.300	42.21	38.48	6.79	-38.68	48.80	74.00	25.20	PK	Vertical
5	11422.700	41.11	39.57	7.58	-39.60	48.66	74.00	25.34	PK	Vertical
6	11925.900	41.77	38.63	7.78	-39.60	48.58	74.00	25.42	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\3		
Memo:	Sample Number: S25120144-004 Power Setting:11		

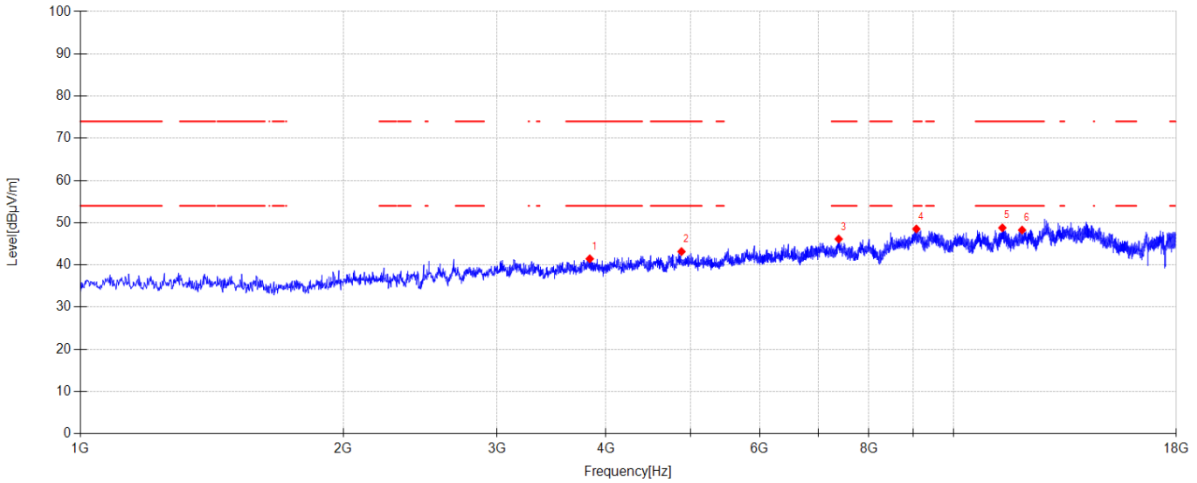


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3801.600	46.07	30.88	4.54	-39.62	41.87	74.00	32.13	PK	Horizontal
2	4774.000	45.17	32.15	5.10	-39.78	42.64	74.00	31.36	PK	Horizontal
3	7393.700	43.16	36.74	5.76	-39.86	45.80	74.00	28.20	PK	Horizontal
4	9073.300	42.07	38.48	6.79	-38.68	48.66	74.00	25.34	PK	Horizontal
5	11426.100	41.57	39.54	7.58	-39.60	49.09	74.00	24.91	PK	Horizontal
6	11791.600	42.00	38.59	7.73	-39.60	48.72	74.00	25.28	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\4		
Memo:	Sample Number: S25120144-004 Power Setting:11		

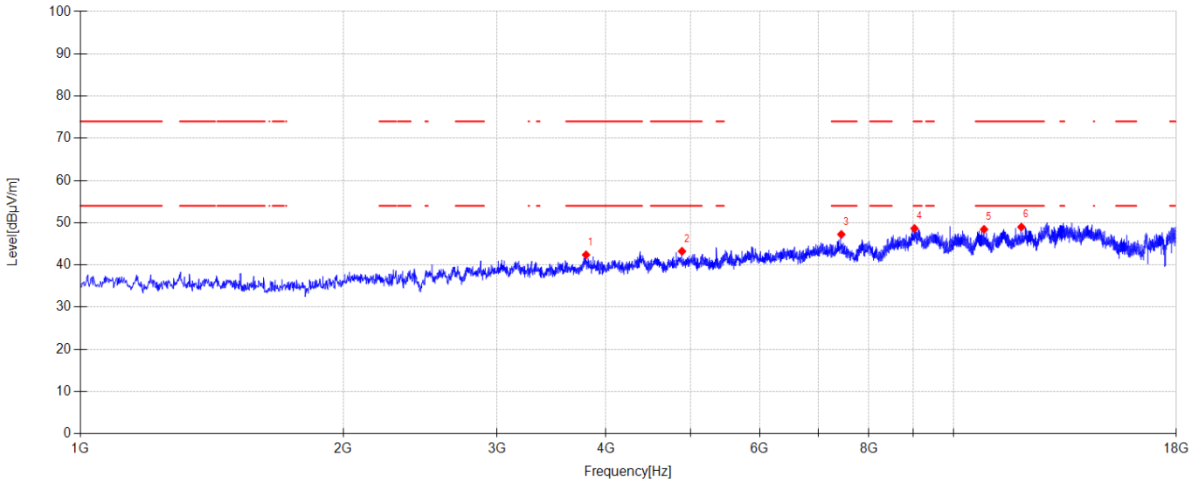


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3832.200	46.02	30.51	4.55	-39.63	41.45	74.00	32.55	PK	Vertical
2	4881.100	44.76	33.02	5.17	-39.79	43.16	74.00	30.84	PK	Vertical
3	7388.600	43.46	36.77	5.76	-39.86	46.13	74.00	27.87	PK	Vertical
4	9068.200	41.85	38.57	6.79	-38.68	48.53	74.00	25.47	PK	Vertical
5	11376.800	41.31	39.52	7.56	-39.60	48.79	74.00	25.21	PK	Vertical
6	11983.700	41.15	38.92	7.80	-39.60	48.27	74.00	25.73	PK	Vertical

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\5		
Memo:	Sample Number: S25120144-004 Power Setting:11		



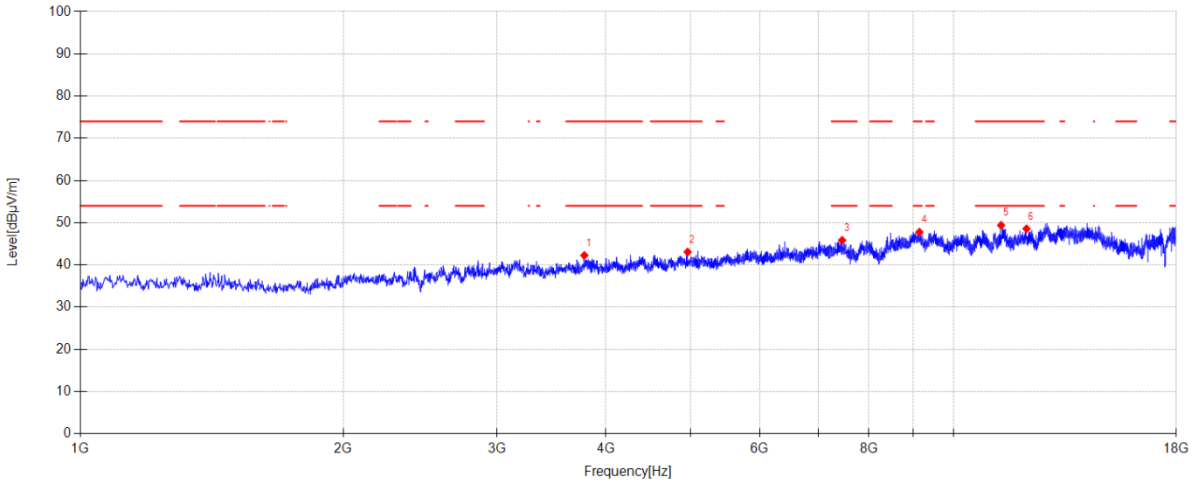
Suspected Data List

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	3794.800	46.68	30.79	4.54	-39.62	42.39	74.00	31.61	PK	Horizontal
2	4887.900	44.80	33.05	5.17	-39.79	43.23	74.00	30.77	PK	Horizontal
3	7439.600	44.71	36.62	5.77	-39.86	47.24	74.00	26.76	PK	Horizontal
4	9024.000	41.78	38.69	6.80	-38.63	48.64	74.00	25.36	PK	Horizontal
5	10841.300	41.51	39.25	7.29	-39.62	48.43	74.00	25.57	PK	Horizontal
6	11961.600	41.98	38.81	7.79	-39.60	48.98	74.00	25.02	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\6		
Memo:	Sample Number: S25120144-004 Power Setting:11		

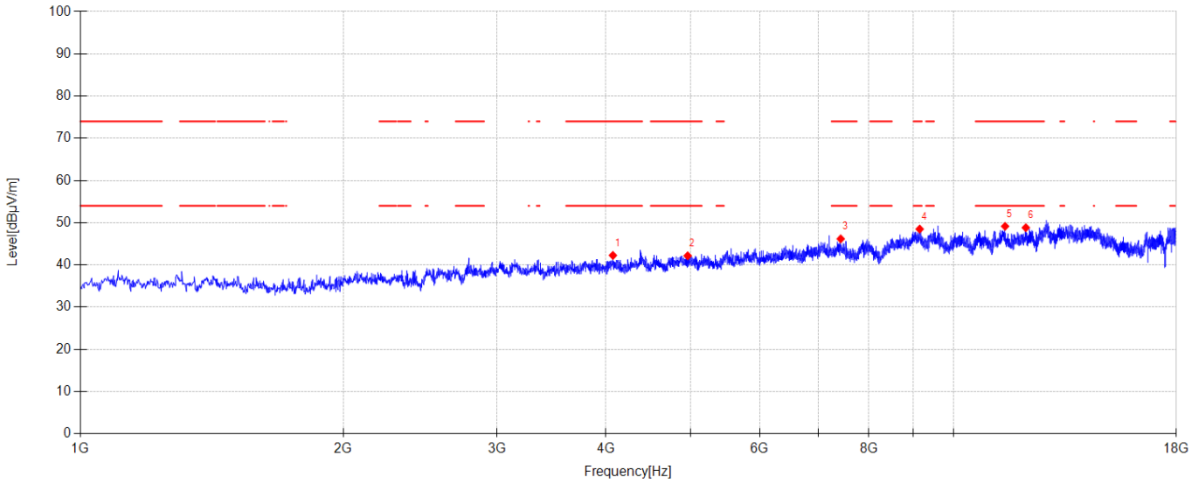


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3777.800	46.92	30.41	4.54	-39.61	42.26	74.00	31.74	PK	Vertical
2	4961.000	44.57	33.08	5.22	-39.80	43.07	74.00	30.93	PK	Vertical
3	7456.600	43.28	36.64	5.78	-39.85	45.85	74.00	28.15	PK	Vertical
4	9141.300	40.92	38.83	6.78	-38.76	47.77	74.00	26.23	PK	Vertical
5	11339.400	42.37	39.07	7.55	-39.60	49.39	74.00	24.61	PK	Vertical
6	12124.800	40.83	39.43	7.81	-39.50	48.57	74.00	25.43	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\7		
Memo:	Sample Number: S25120144-004 Power Setting:11		

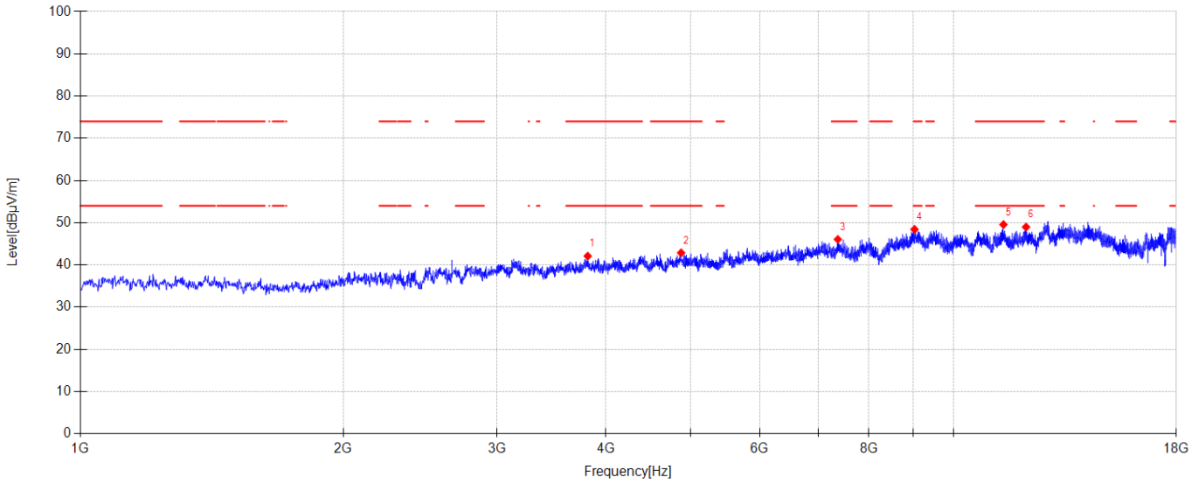


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4073.600	46.20	31.15	4.62	-39.71	42.26	74.00	31.74	PK	Horizontal
2	4961.000	43.66	33.08	5.22	-39.80	42.16	74.00	31.84	PK	Horizontal
3	7427.700	43.62	36.64	5.77	-39.86	46.17	74.00	27.83	PK	Horizontal
4	9148.100	41.51	38.96	6.78	-38.76	48.49	74.00	25.51	PK	Horizontal
5	11458.400	41.94	39.22	7.59	-39.60	49.15	74.00	24.85	PK	Horizontal
6	12102.700	41.05	39.49	7.81	-39.52	48.83	74.00	25.17	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\8		
Memo:	Sample Number: S25120144-004 Power Setting:11		

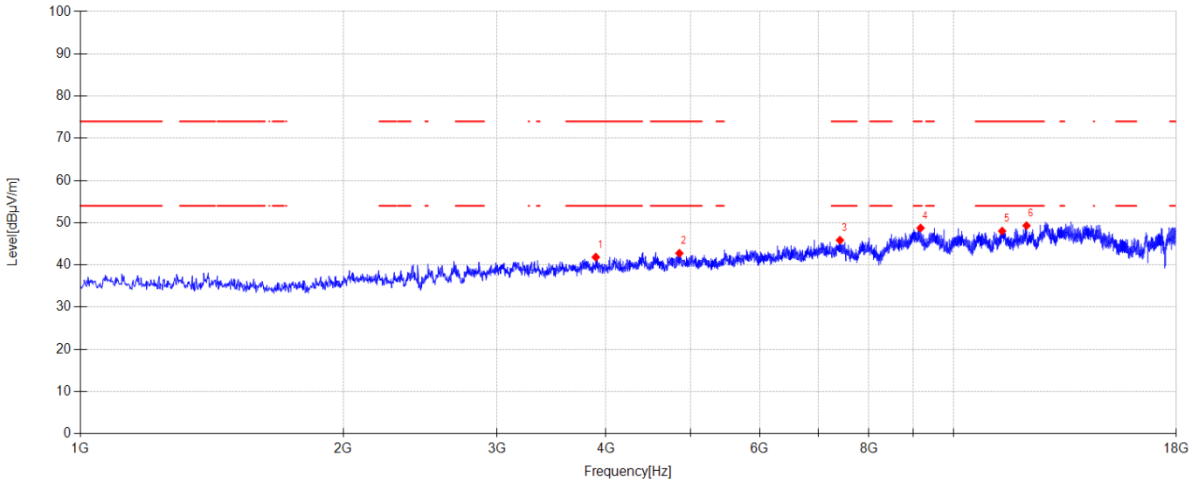


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3811.800	46.40	30.76	4.55	-39.62	42.09	74.00	31.91	PK	Vertical
2	4876.000	44.48	33.00	5.17	-39.79	42.86	74.00	31.14	PK	Vertical
3	7371.600	43.30	36.87	5.75	-39.86	46.06	74.00	27.94	PK	Vertical
4	9024.000	41.57	38.69	6.80	-38.63	48.43	74.00	25.57	PK	Vertical
5	11409.100	41.89	39.71	7.57	-39.60	49.57	74.00	24.43	PK	Vertical
6	12109.500	41.21	39.47	7.81	-39.51	48.98	74.00	25.02	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\9		
Memo:	Sample Number: S25120144-004 Power Setting:11		

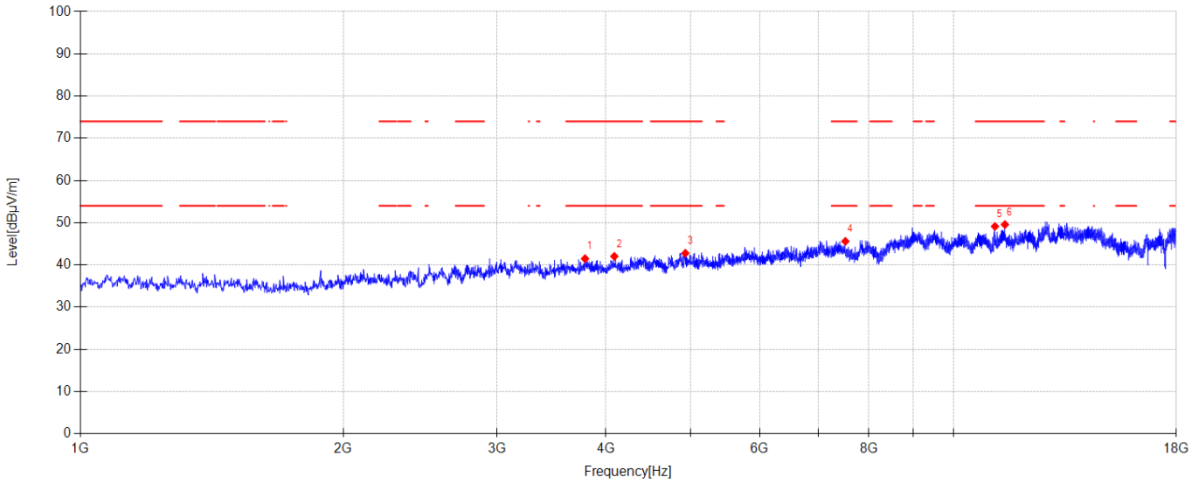


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3893.400	46.13	30.82	4.56	-39.66	41.85	74.00	32.15	PK	Horizontal
2	4853.900	44.49	32.92	5.15	-39.79	42.77	74.00	31.23	PK	Horizontal
3	7412.400	43.28	36.68	5.76	-39.86	45.86	74.00	28.14	PK	Horizontal
4	9170.200	41.99	38.76	6.78	-38.79	48.74	74.00	25.26	PK	Horizontal
5	11370.000	40.63	39.44	7.56	-39.60	48.03	74.00	25.97	PK	Horizontal
6	12124.800	41.57	39.43	7.81	-39.50	49.31	74.00	24.69	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\10		
Memo:	Sample Number: S25120144-004 Power Setting:11		

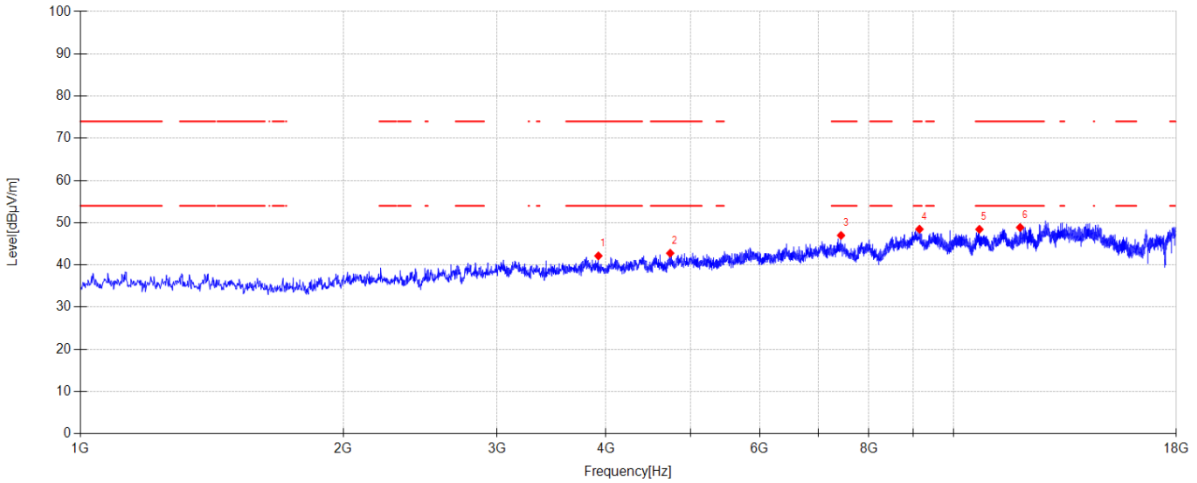


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3784.600	45.99	30.56	4.54	-39.61	41.48	74.00	32.52	PK	Vertical
2	4088.900	46.00	31.12	4.63	-39.71	42.04	74.00	31.96	PK	Vertical
3	4930.400	44.26	33.10	5.20	-39.79	42.77	74.00	31.23	PK	Vertical
4	7519.500	43.02	36.63	5.80	-39.85	45.60	74.00	28.40	PK	Vertical
5	11157.500	42.42	38.84	7.47	-39.60	49.13	74.00	24.87	PK	Vertical
6	11453.300	42.30	39.27	7.59	-39.60	49.56	74.00	24.44	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\11		
Memo:	Sample Number: S25120144-004 Power Setting:11		



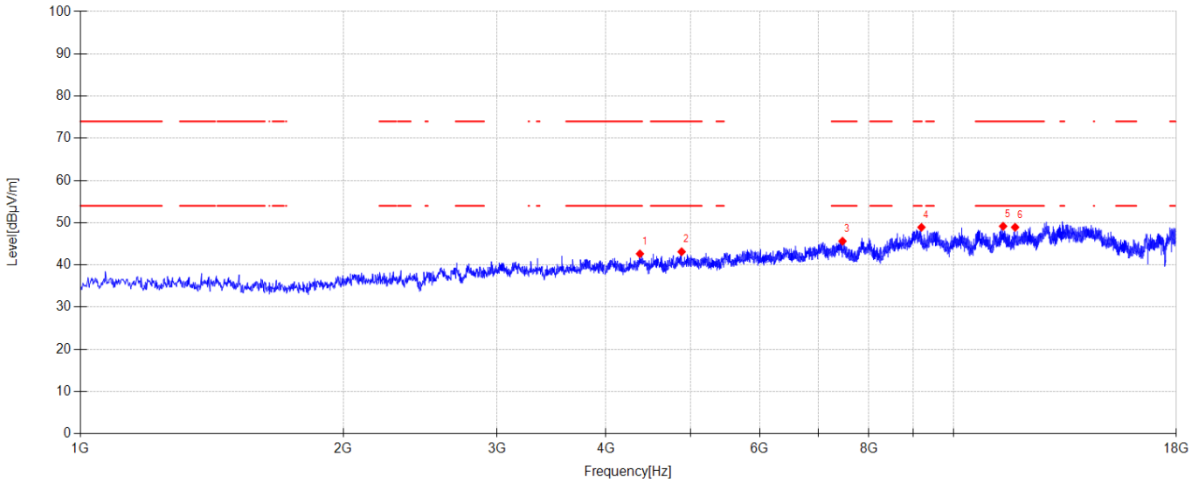
Suspected Data List

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	3920.600	46.61	30.65	4.56	-39.67	42.15	74.00	31.85	PK	Horizontal
2	4738.300	45.49	31.99	5.07	-39.77	42.78	74.00	31.22	PK	Horizontal
3	7434.500	44.45	36.63	5.77	-39.86	46.99	74.00	27.01	PK	Horizontal
4	9143.000	41.59	38.86	6.78	-38.76	48.47	74.00	25.53	PK	Horizontal
5	10708.700	41.41	39.46	7.19	-39.63	48.43	74.00	25.57	PK	Horizontal
6	11922.500	42.10	38.61	7.78	-39.60	48.89	74.00	25.11	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\12		
Memo:	Sample Number: S25120144-004 Power Setting:11		

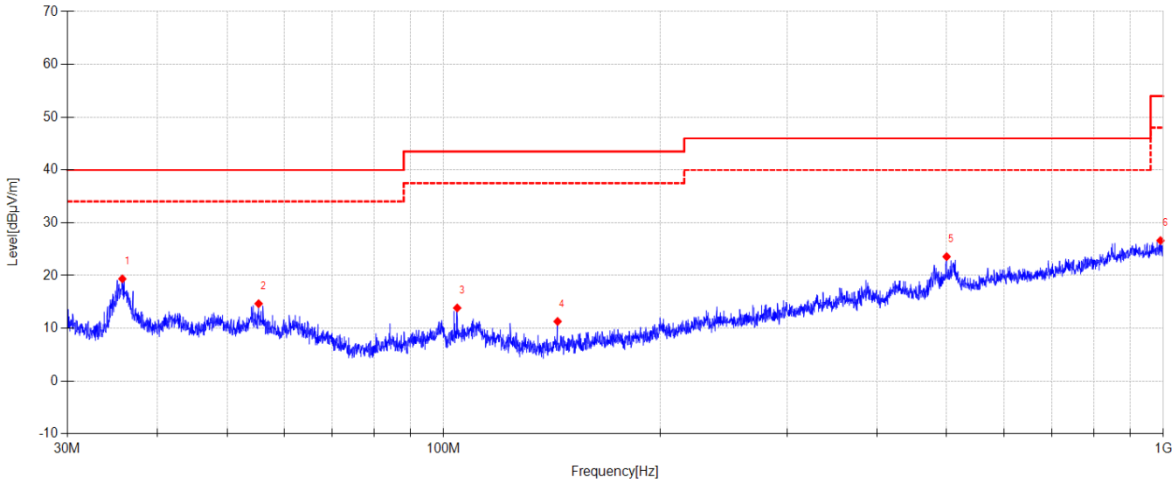


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4374.500	45.96	31.59	4.82	-39.74	42.63	74.00	31.37	PK	Vertical
2	4882.800	44.71	33.03	5.17	-39.79	43.12	74.00	30.88	PK	Vertical
3	7463.400	43.02	36.68	5.78	-39.85	45.63	74.00	28.37	PK	Vertical
4	9190.600	42.43	38.51	6.78	-38.81	48.91	74.00	25.09	PK	Vertical
5	11398.900	41.41	39.79	7.57	-39.60	49.17	74.00	24.83	PK	Vertical
6	11766.100	42.24	38.57	7.72	-39.60	48.93	74.00	25.07	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC BELOW 1G\3		
Memo:	Sample Number: S25120144-004		



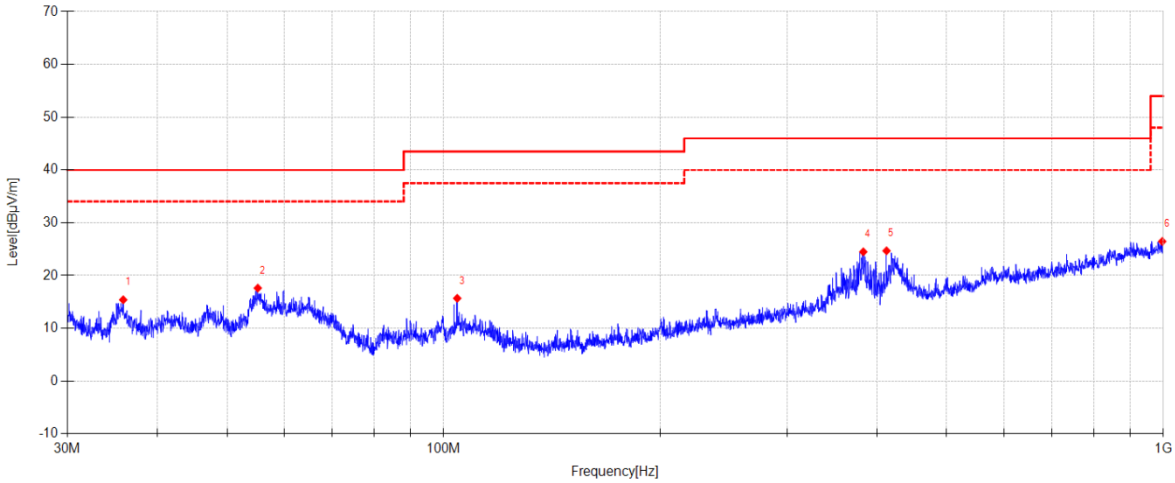
Suspected Data List

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	35.773	36.04	11.76	3.86	-32.30	19.36	40.00	20.64	PK	Horizontal
2	55.330	30.14	12.80	4.02	-32.30	14.66	40.00	25.34	PK	Horizontal
3	104.43	30.78	11.04	4.33	-32.30	13.85	43.50	29.65	PK	Horizontal
4	143.98	30.46	8.61	4.56	-32.34	11.29	43.50	32.21	PK	Horizontal
5	499.84	32.85	17.28	6.04	-32.60	23.57	46.00	22.43	PK	Horizontal
6	990.92	28.36	22.27	7.34	-31.35	26.62	54.00	27.38	PK	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC BELOW 1G\4		
Memo:	Sample Number: S25120144-004		



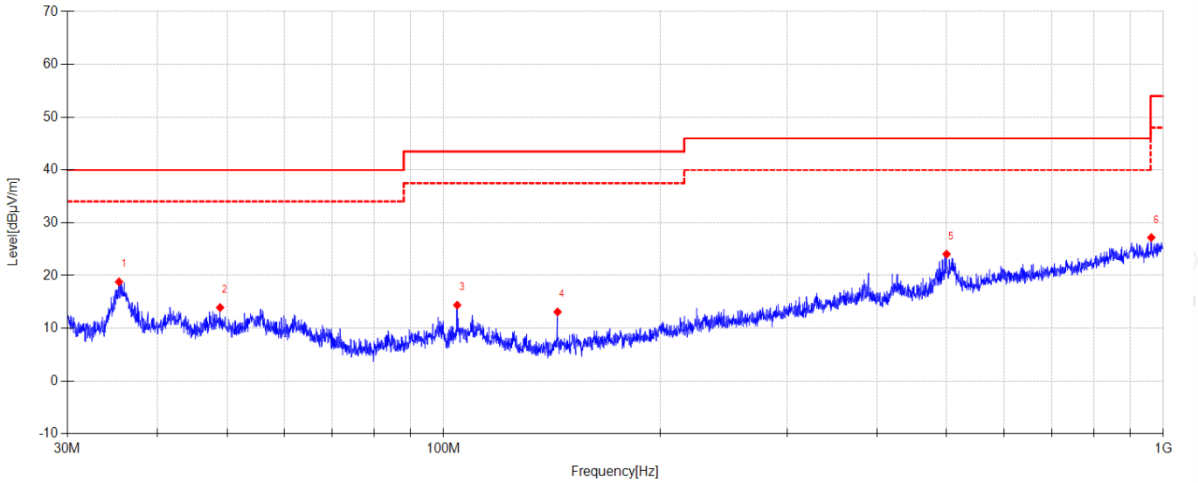
Suspected Data List

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	35.873	32.01	11.82	3.86	-32.30	15.39	40.00	24.61	PK	Vertical
2	55.175	33.14	12.75	4.02	-32.30	17.61	40.00	22.39	PK	Vertical
3	104.43	32.60	11.04	4.33	-32.30	15.67	43.50	27.83	PK	Vertical
4	382.93	35.66	15.66	5.64	-32.48	24.48	46.00	21.52	PK	Vertical
5	412.47	36.14	15.30	5.75	-32.51	24.68	46.00	21.32	PK	Vertical
6	996.50	27.94	22.48	7.35	-31.32	26.45	54.00	27.55	PK	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC BELOW 1G\5		
Memo:	Sample Number: S25120144-004		



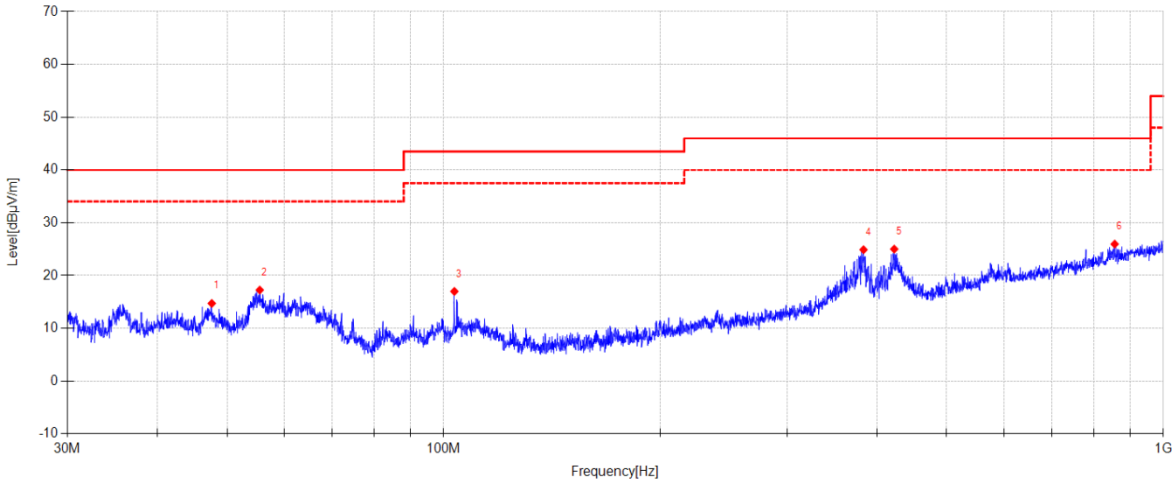
Suspected Data List

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	35.399	35.69	11.54	3.86	-32.30	18.79	40.00	21.21	PK	Horizontal
2	48.907	28.69	13.56	3.97	-32.30	13.92	40.00	26.08	PK	Horizontal
3	104.43	31.32	11.04	4.33	-32.30	14.39	43.50	29.11	PK	Horizontal
4	143.98	32.27	8.61	4.56	-32.34	13.10	43.50	30.40	PK	Horizontal
5	499.84	33.33	17.28	6.04	-32.60	24.05	46.00	21.95	PK	Horizontal
6	962.17	29.18	22.27	7.27	-31.53	27.19	54.00	26.81	PK	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC BELOW 1G\6		
Memo:	Sample Number: S25120144-004		



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	47.621	29.76	13.28	3.97	-32.30	14.71	40.00	25.29	PK	Vertical
2	55.525	32.67	12.86	4.02	-32.30	17.25	40.00	22.75	PK	Vertical
3	103.48	34.16	10.80	4.32	-32.30	16.98	43.50	26.52	PK	Vertical
4	383.19	36.06	15.66	5.64	-32.48	24.88	46.00	21.12	PK	Vertical
5	422.72	36.12	15.62	5.78	-32.52	25.00	46.00	21.00	PK	Vertical
6	855.85	29.53	21.55	7.03	-32.16	25.95	46.00	20.05	PK	Vertical

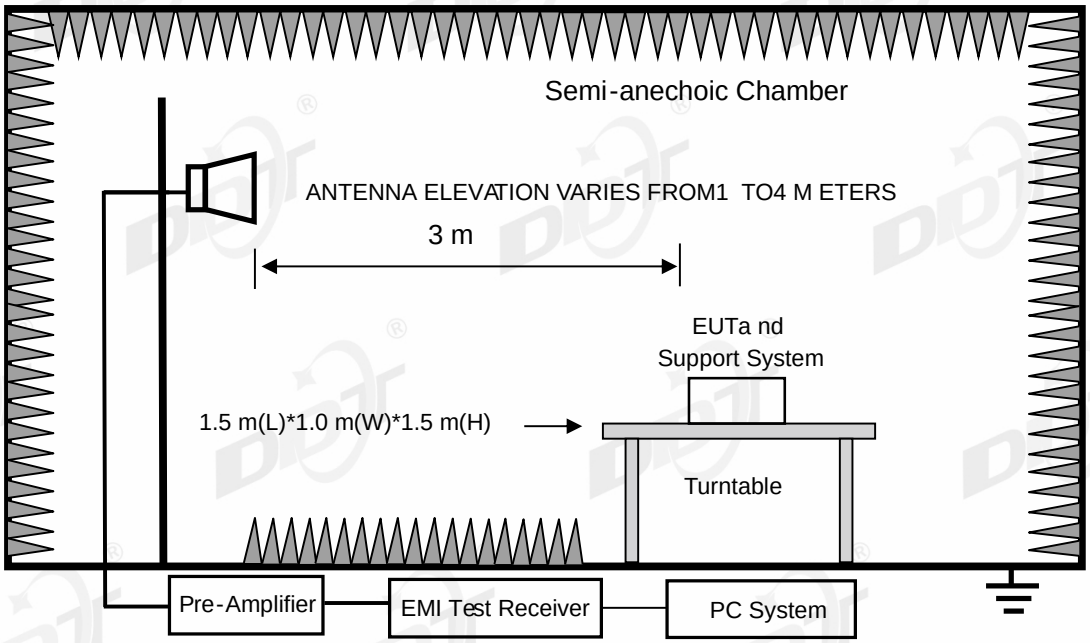
Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	/
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
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	2026/03/28

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.

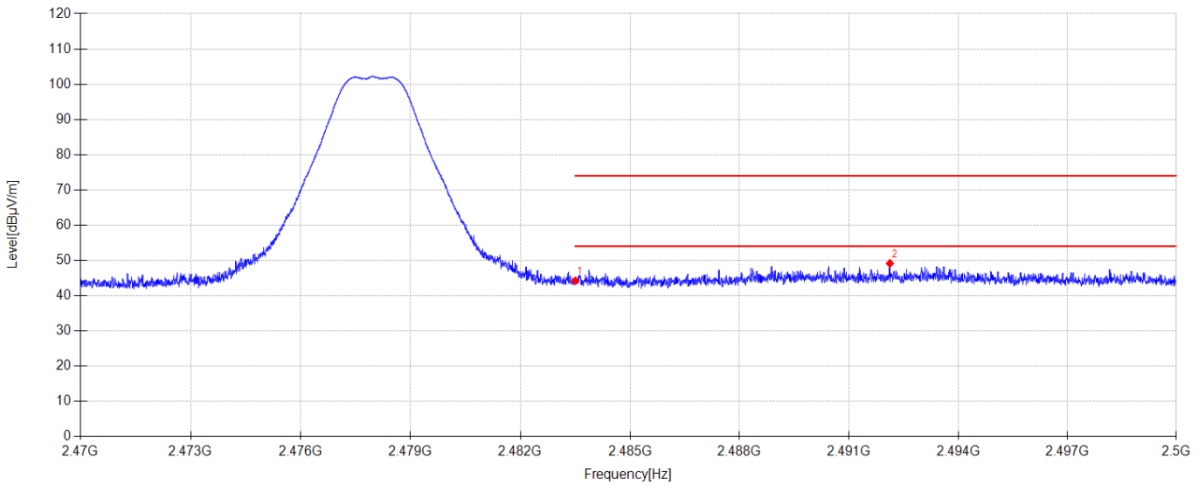
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\13		
Memo:	Sample Number: S25120144-004 Power Setting:11		

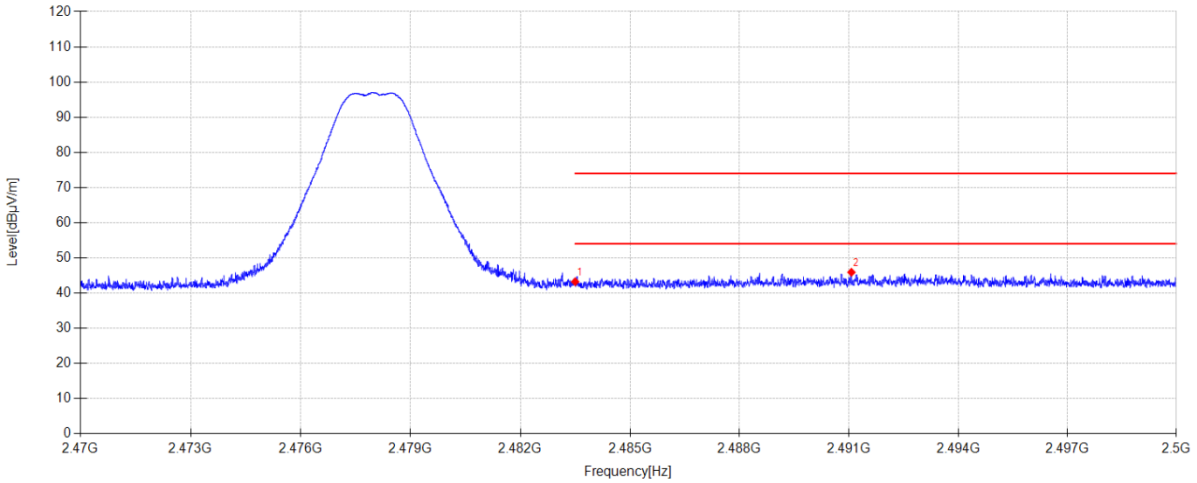


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.78	27.54	3.88	0.00	44.20	74.00	29.80	PK	Horizontal
2	2492.125	17.62	27.62	3.89	0.00	49.13	74.00	24.87	PK	Horizontal

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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\14		
Memo:	Sample Number: S25120144-004 Power Setting:11		

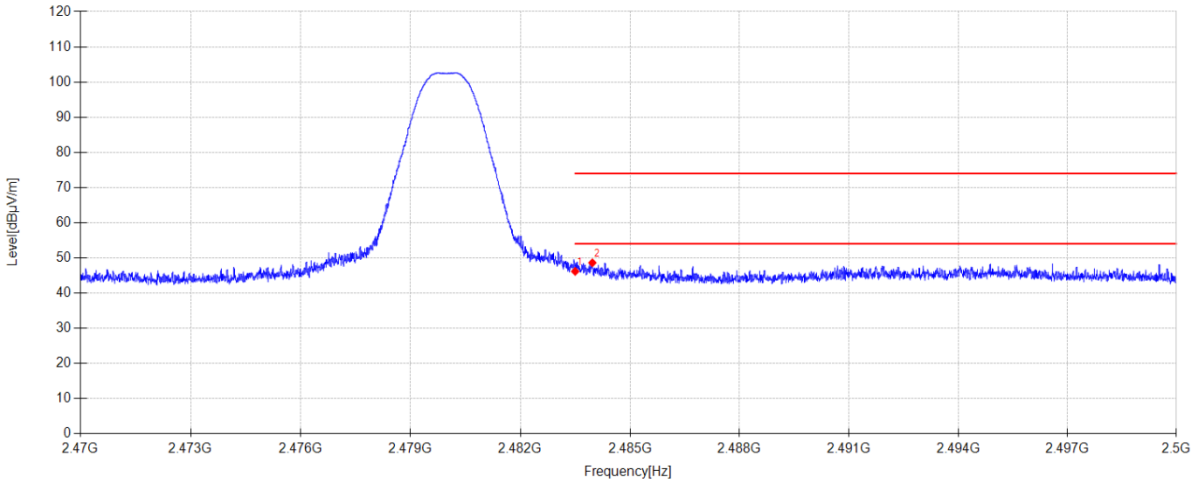


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.81	27.54	3.88	0.00	43.23	74.00	30.77	PK	Vertical
2	2491.069	14.42	27.61	3.89	0.00	45.92	74.00	28.08	PK	Vertical

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\15		
Memo:	Sample Number: S25120144-004 Power Setting:11		

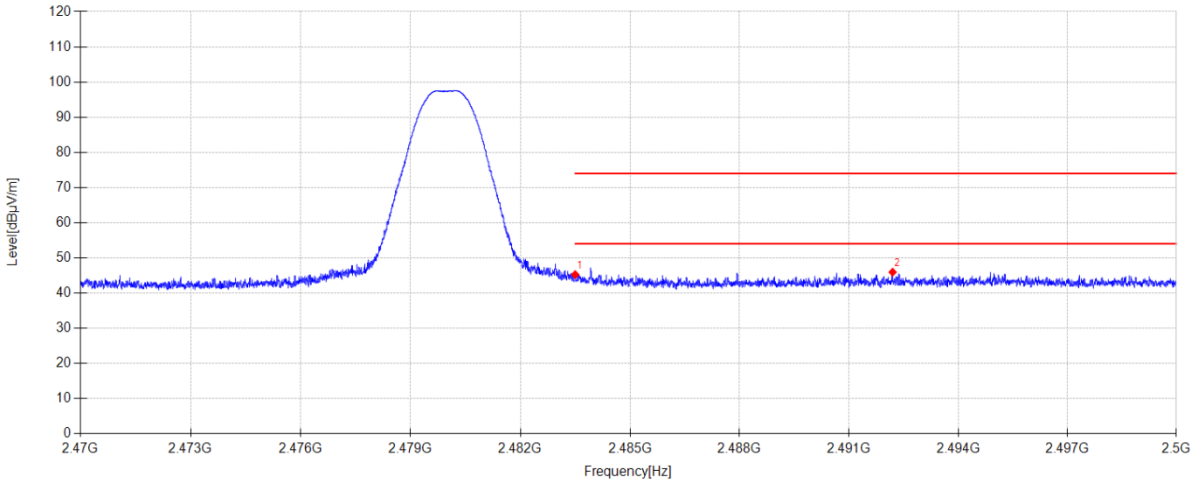


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	14.75	27.54	3.88	0.00	46.17	74.00	27.83	PK	Horizontal
2	2483.971	17.20	27.54	3.88	0.00	48.62	74.00	25.38	PK	Horizontal

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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\16		
Memo:	Sample Number: S25120144-004 Power Setting:11		

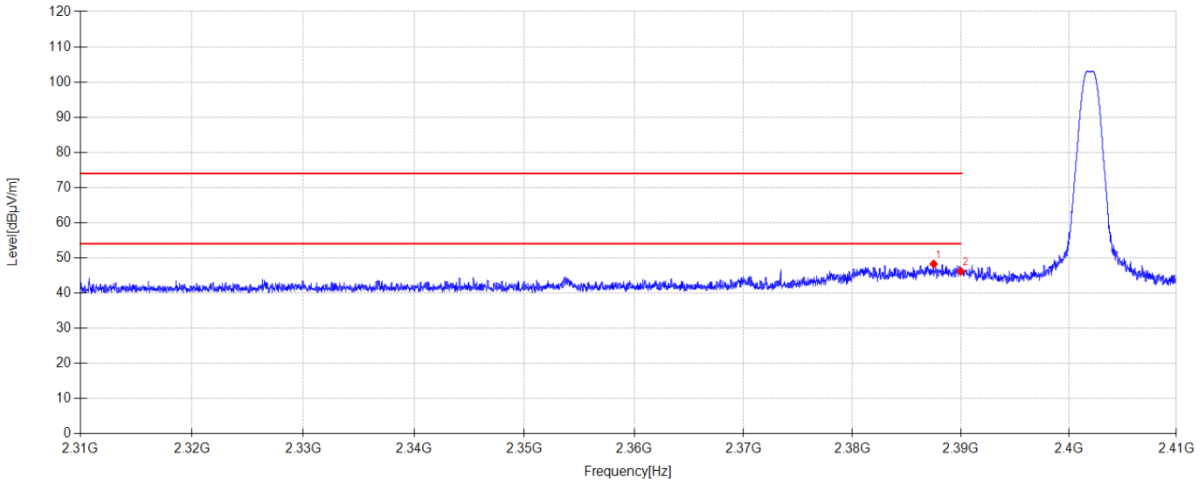


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.83	27.54	3.88	0.00	45.25	74.00	28.75	PK	Vertical
2	2492.200	14.44	27.62	3.89	0.00	45.95	74.00	28.05	PK	Vertical

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\17		
Memo:	Sample Number: S25120144-004 Power Setting:11		

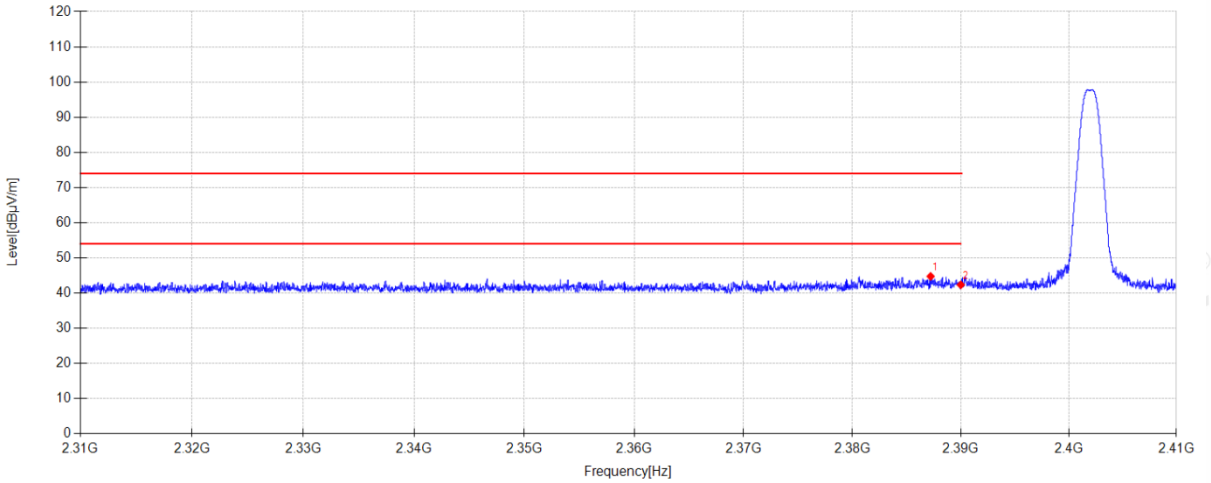


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2387.490	17.04	27.48	3.77	0.00	48.29	74.00	25.71	PK	Horizontal
2	2390.000	14.93	27.46	3.78	0.00	46.17	74.00	27.83	PK	Horizontal

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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\18		
Memo:	Sample Number: S25120144-004 Power Setting:11		



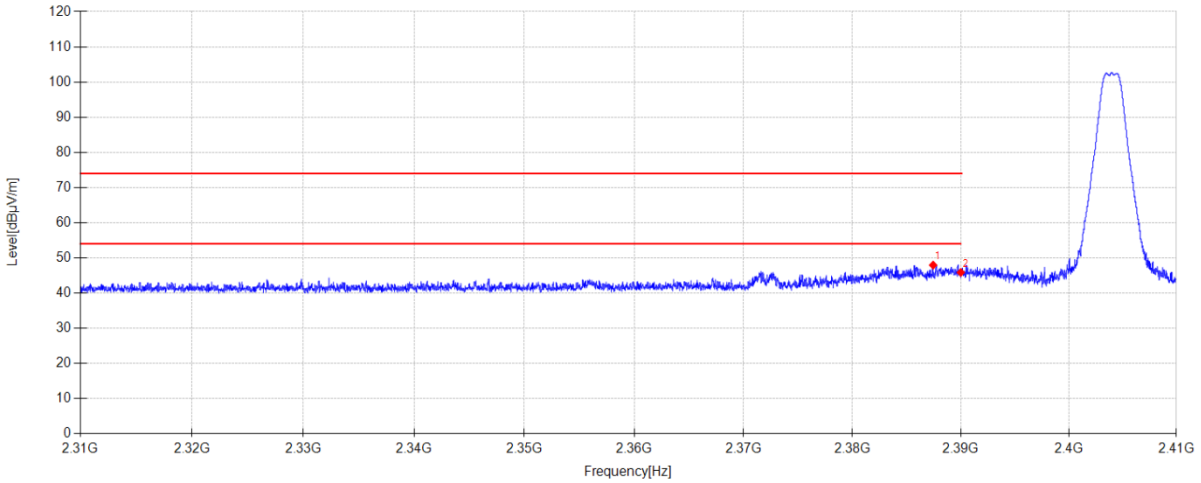
Suspected Data List

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	2387.210	13.50	27.48	3.77	0.00	44.75	74.00	29.25	PK	Vertical
2	2390.000	11.10	27.46	3.78	0.00	42.34	74.00	31.66	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\19		
Memo:	Sample Number: S25120144-004 Power Setting:11		



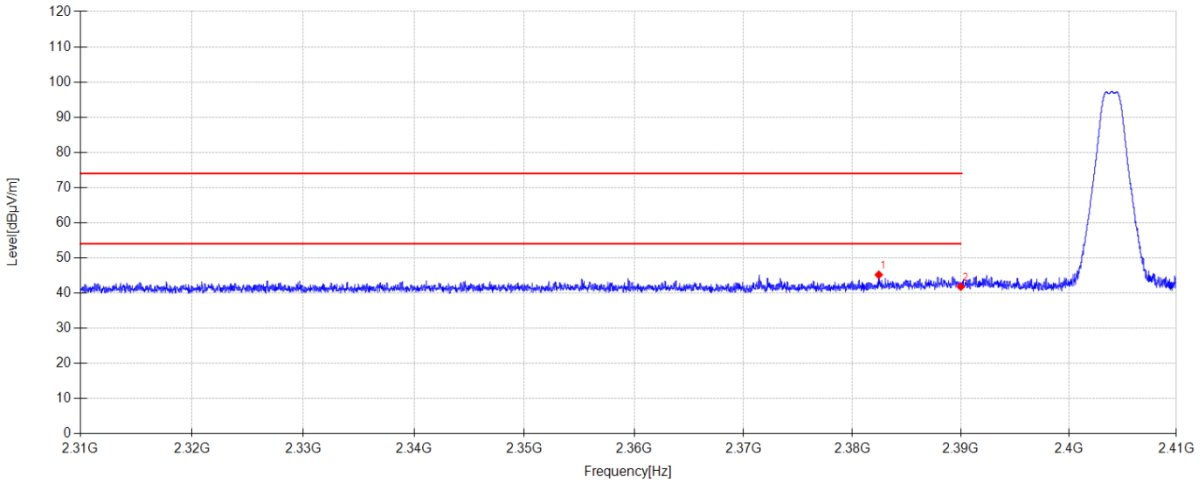
Suspected Data List

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	2387.440	16.70	27.48	3.77	0.00	47.95	74.00	26.05	PK	Horizontal
2	2390.000	14.62	27.46	3.78	0.00	45.86	74.00	28.14	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:	2025-12-18	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.8°C;Humi:54.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25120144-2E\FCC ABOVE 1G BLE\20		
Memo:	Sample Number: S25120144-004 Power Setting:11		



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	2382.430	13.92	27.51	3.77	0.00	45.20	74.00	28.80	PK	Vertical
2	2390.000	10.59	27.46	3.78	0.00	41.83	74.00	32.17	PK	Vertical

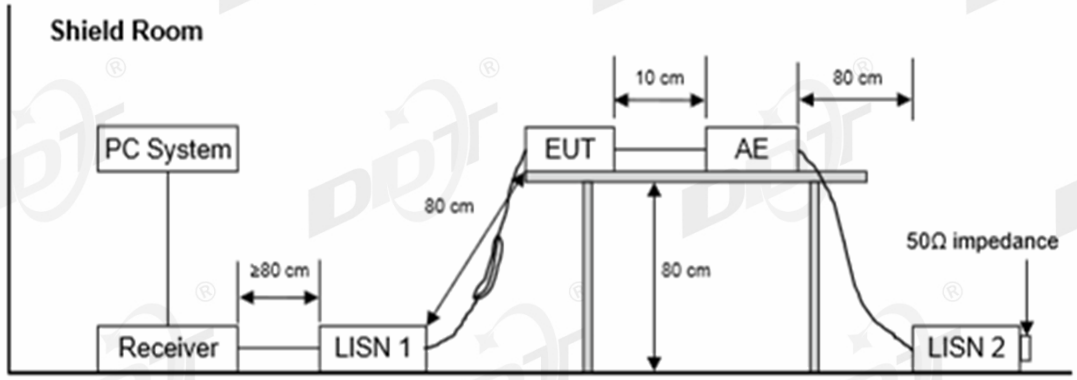
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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-ZC00235	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2026/07/06
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2026/07/06
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2026/07/06
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2026/07/06
EMI Test Software	Audix	e3	DDT-ZC01252	/

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
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
Adapter	HUAWEI	HW-100400C01	Huawei Fast Charge 2 #	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX

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.

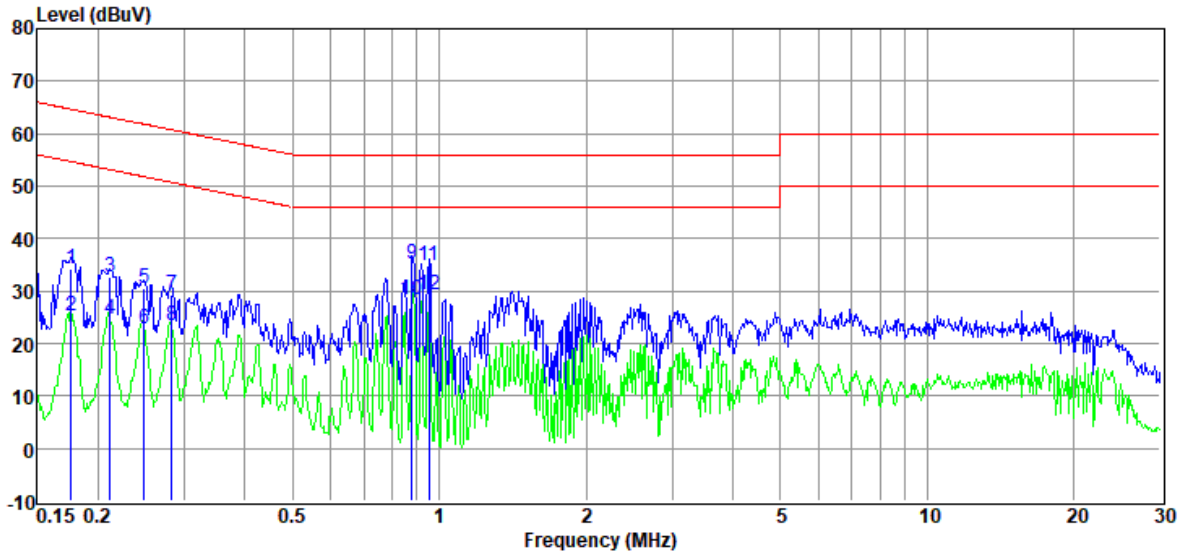
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2026 CE Report Data\Q25120144-1E\0127 CE.EM6	
Test Date	: 2026-01-15	**Tested By**	: Li guilin
Power Supply	: AC 120V/60Hz	**Test Mode**	: BLE1M TX mode
Condition	: TEMP:22.6°C, RH:62.8%	**LISN**	: 2025 1# 216/NEUTRAL
Memo	: S25120144-004		

Data: 6



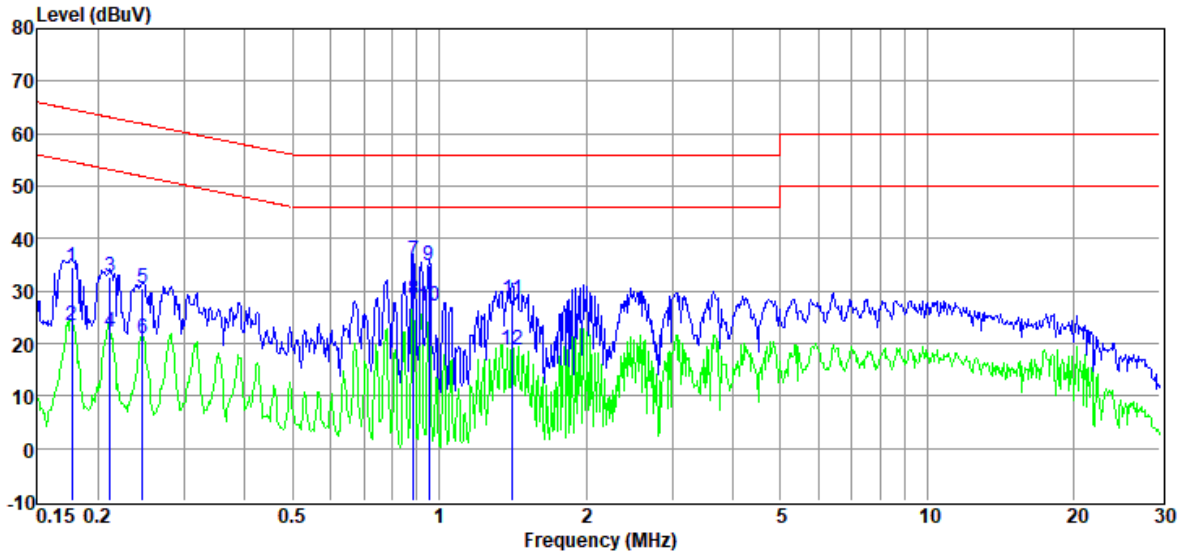
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Margin (dB)	Detector	Phase
1	0.18	14.71	9.71	0.06	9.89	34.37	64.68	30.31	QP	NEUTRAL
2	0.18	5.60	9.71	0.06	9.89	25.26	54.68	29.42	Average	NEUTRAL
3	0.21	12.96	9.83	0.06	9.89	32.74	63.14	30.40	QP	NEUTRAL
4	0.21	4.89	9.83	0.06	9.89	24.67	53.14	28.47	Average	NEUTRAL
5	0.25	10.69	9.84	0.06	9.89	30.48	61.82	31.34	QP	NEUTRAL
6	0.25	2.96	9.84	0.06	9.89	22.75	51.82	29.07	Average	NEUTRAL
7	0.28	9.60	9.71	0.06	9.89	29.26	60.72	31.46	QP	NEUTRAL
8	0.28	3.74	9.71	0.06	9.89	23.40	50.72	27.32	Average	NEUTRAL
9	0.88	15.37	9.86	0.14	9.90	35.27	56.00	20.73	QP	NEUTRAL
10	0.88	8.31	9.86	0.14	9.90	28.21	46.00	17.79	Average	NEUTRAL
11	0.95	14.77	9.91	0.15	9.90	34.73	56.00	21.27	QP	NEUTRAL
12	0.95	9.42	9.91	0.15	9.90	29.38	46.00	16.62	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.

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2026 CE Report Data\Q25120144-1E\0127 CE.EM6	
Test Date	: 2026-01-15	**Tested By**	: Li guilin
Power Supply	: AC 120V/60Hz	**Test Mode**	: BLE1M TX mode
Condition	: TEMP:22.6°C, RH:62.8%	**LISN**	: 2025 1# 216/LINE
Memo	: S25120144-004		

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	0.18	14.61	9.84	0.06	9.89	34.40	64.64	30.24	QP	LINE
2	0.18	3.51	9.84	0.06	9.89	23.30	54.64	31.34	Average	LINE
3	0.21	12.89	9.82	0.06	9.89	32.66	63.14	30.48	QP	LINE
4	0.21	2.42	9.82	0.06	9.89	22.19	53.14	30.95	Average	LINE
5	0.25	10.61	9.82	0.06	9.89	30.38	61.86	31.48	QP	LINE
6	0.25	1.09	9.82	0.06	9.89	20.86	51.86	31.00	Average	LINE
7	0.88	15.87	9.83	0.14	9.90	35.74	56.00	20.26	QP	LINE
8	0.88	8.38	9.83	0.14	9.90	28.25	46.00	17.75	Average	LINE
9	0.95	15.00	9.92	0.15	9.90	34.97	56.00	21.03	QP	LINE
10	0.95	7.21	9.92	0.15	9.90	27.18	46.00	18.82	Average	LINE
11	1.41	8.38	9.88	0.16	9.90	28.32	56.00	27.68	QP	LINE
12	1.41	-1.09	9.88	0.16	9.90	18.85	46.00	27.15	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.

16. Photos of the EUT

Please refer to DDT-Q25120144-2E appendix Ⅰ

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