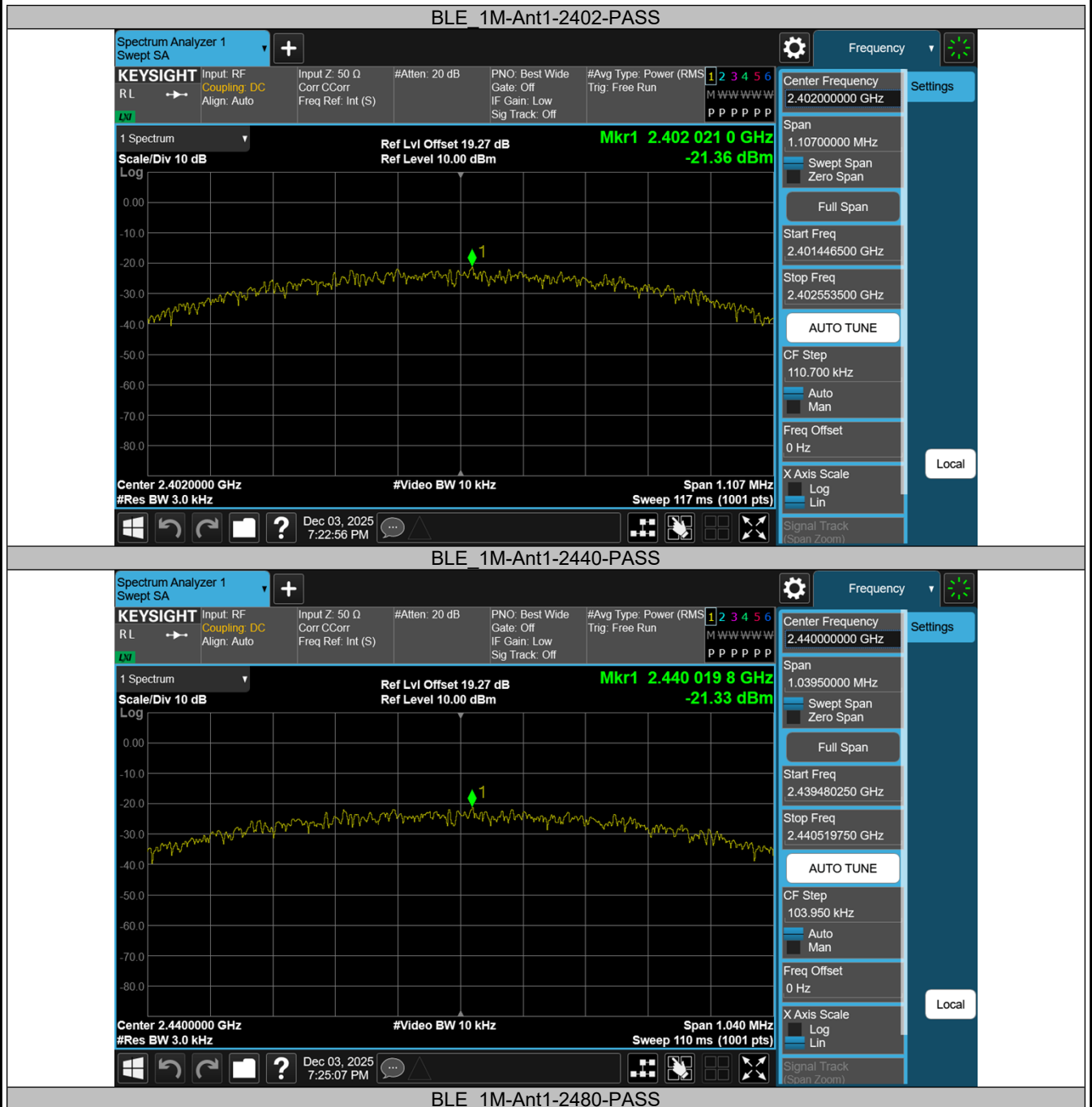


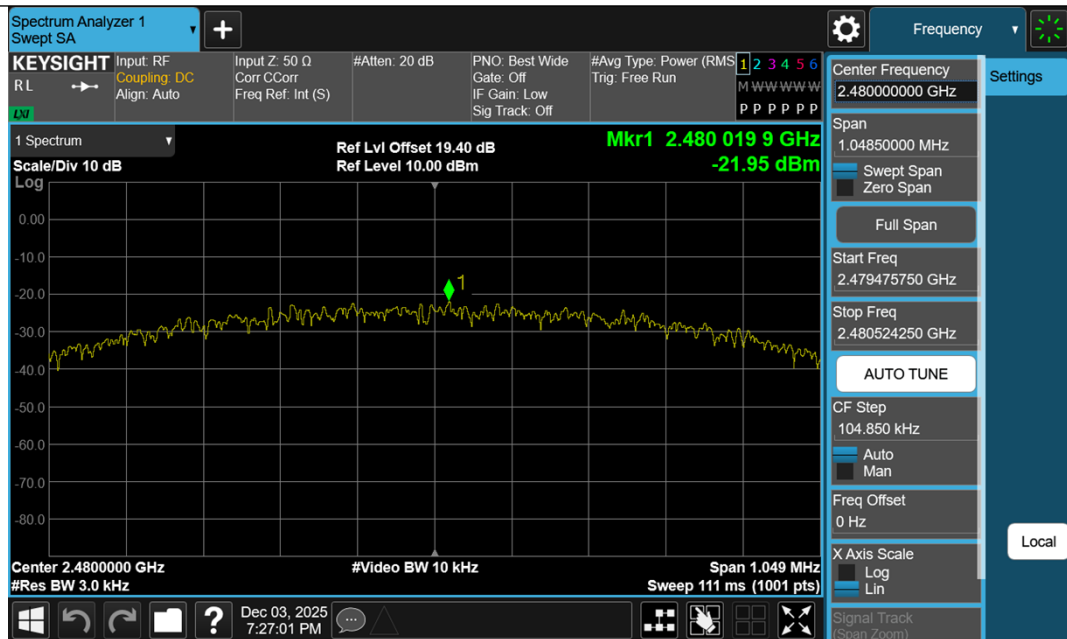
Appendix A.4: Test Results of Conducted Power Spectral Density

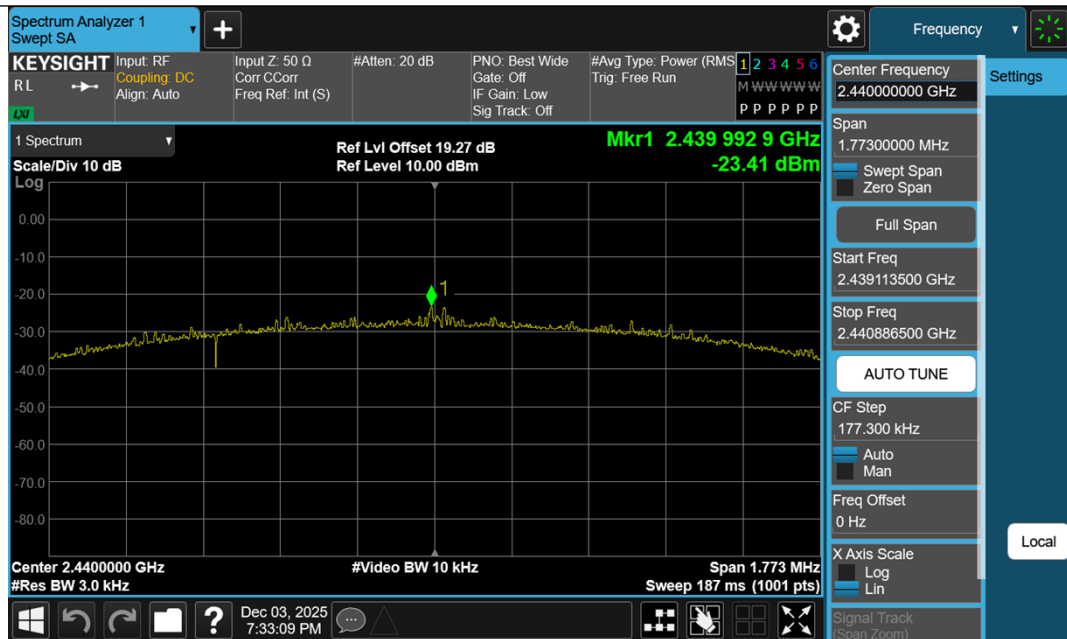
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.36	≤8.00	PASS
BLE_1M	Ant1	2440	-21.33	≤8.00	PASS
BLE_1M	Ant1	2480	-21.95	≤8.00	PASS
BLE_2M	Ant1	2402	-23.56	≤8.00	PASS
BLE_2M	Ant1	2440	-23.41	≤8.00	PASS
BLE_2M	Ant1	2480	-24.12	≤8.00	PASS

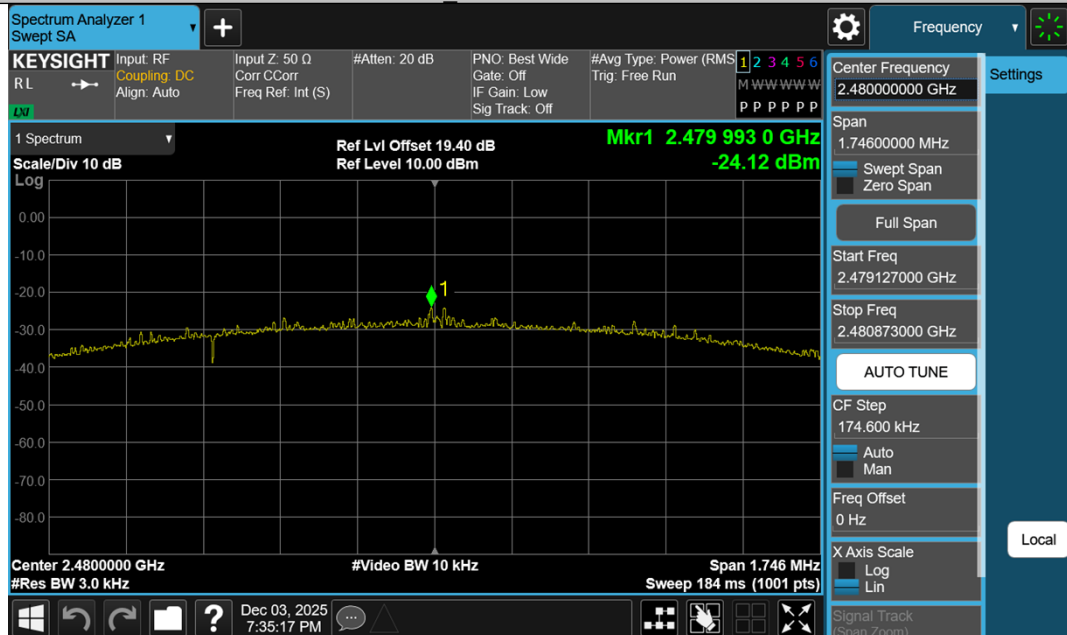
Test Graphs







BLE 2M-Ant1-2480-PASS

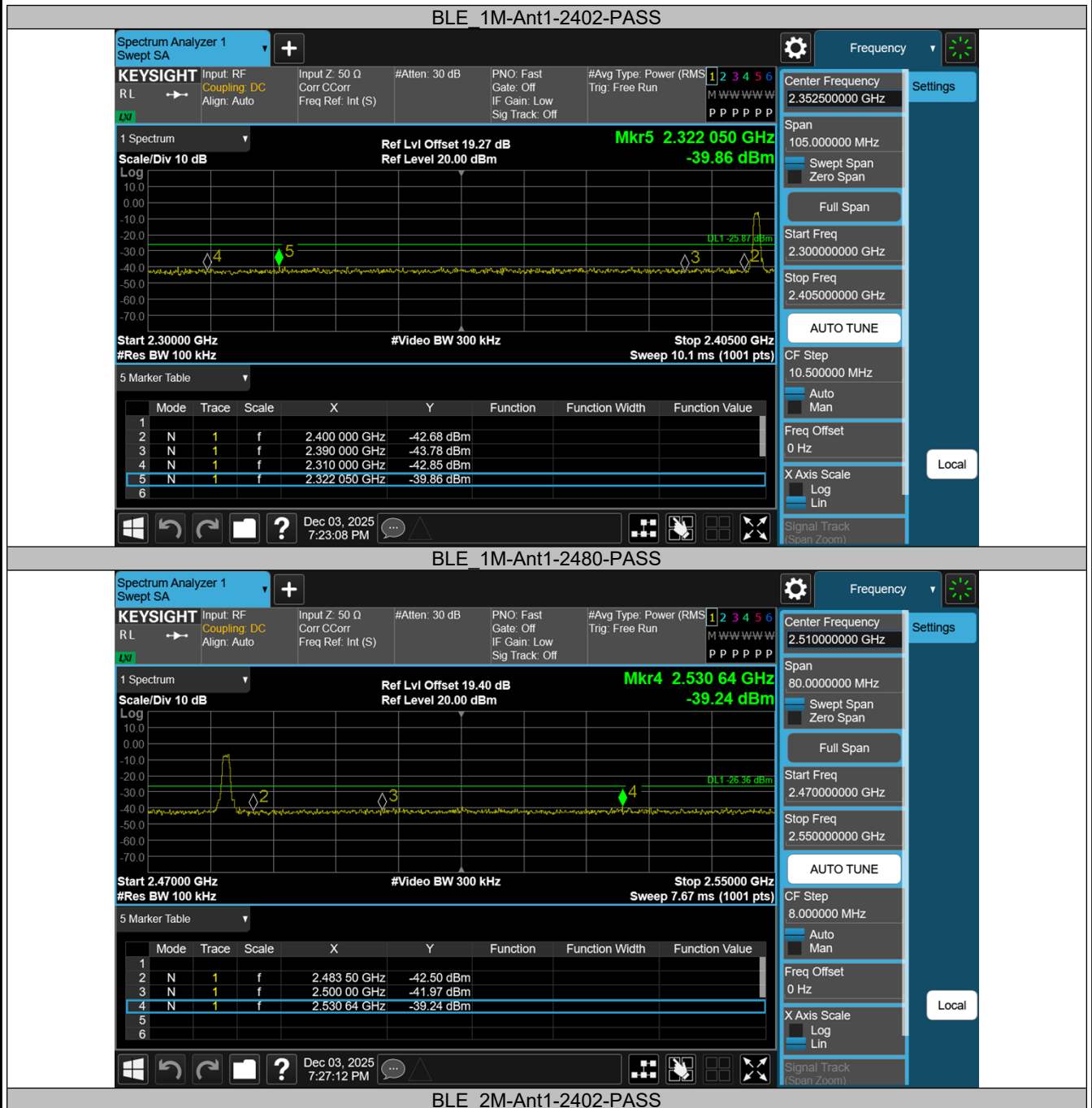


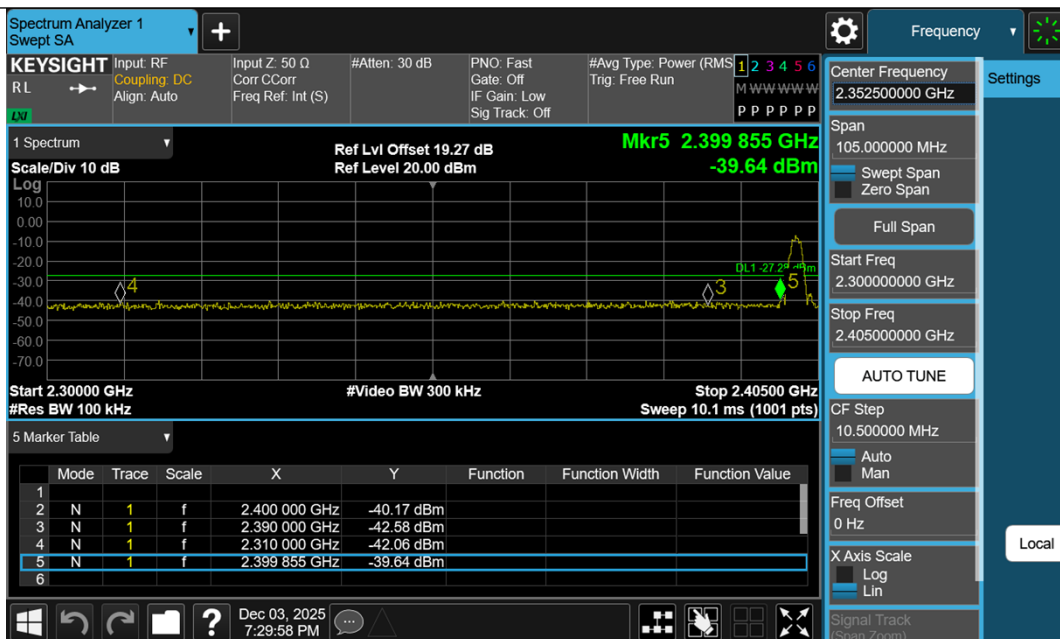
Appendix A.5: Test Results of Band Edge Measurements

Test Result

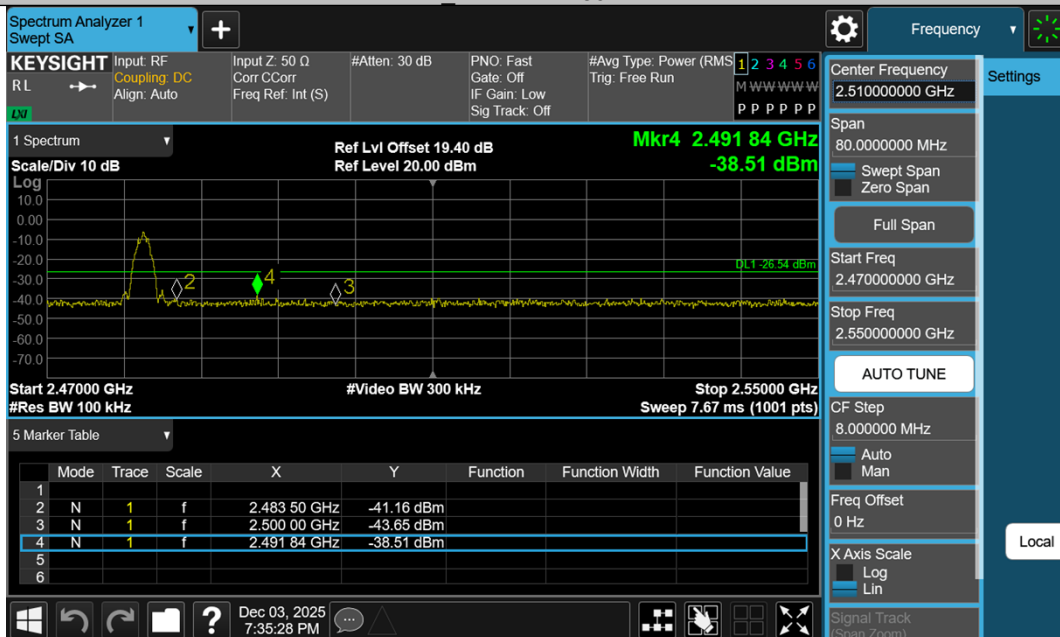
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.87	-39.87	≤-25.87	PASS
BLE_1M	Ant1	High	2480	-6.36	-39.24	≤-26.36	PASS
BLE_2M	Ant1	Low	2402	-7.28	-39.64	≤-27.28	PASS
BLE_2M	Ant1	High	2480	-6.54	-38.51	≤-26.54	PASS

Test Graphs





BLE 2M-Ant1-2480-PASS



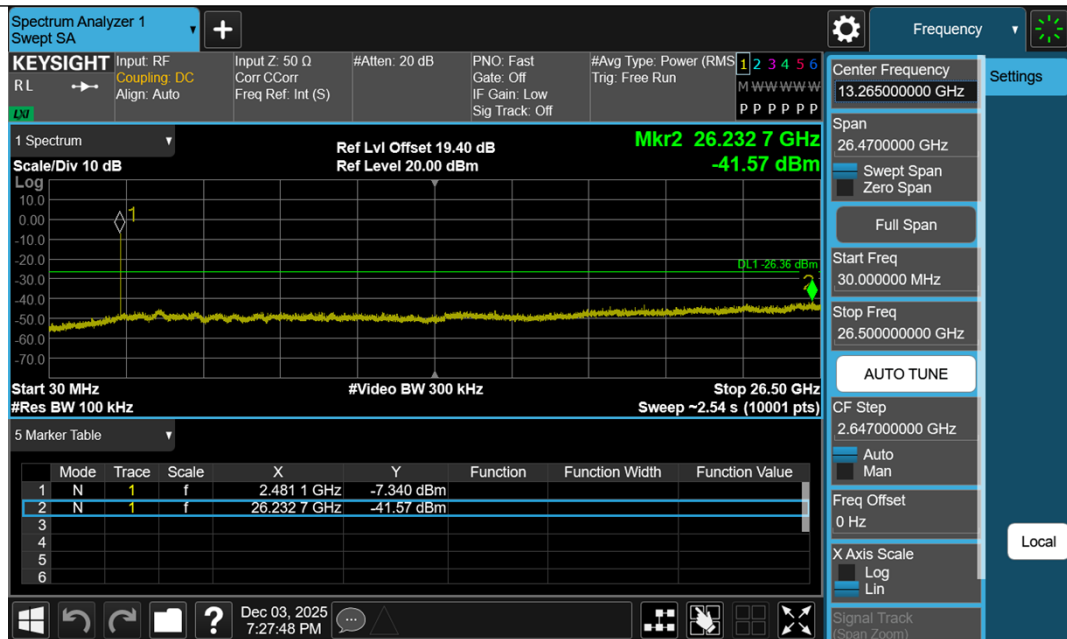
Appendix A.6: Test Results of Conducted Spurious Emission

Test Result

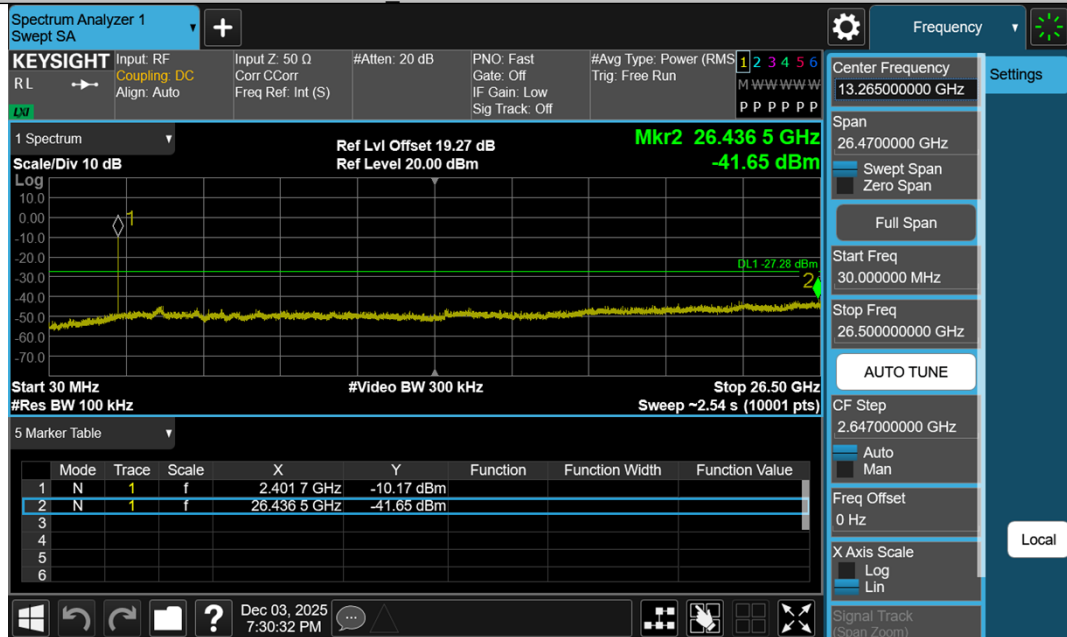
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	-5.87	-41.92	≤-25.87	PASS
BLE_1M	Ant1	2440	30~26500	-5.51	-41.58	≤-25.51	PASS
BLE_1M	Ant1	2480	30~26500	-6.36	-41.57	≤-26.36	PASS
BLE_2M	Ant1	2402	30~26500	-7.28	-41.65	≤-27.28	PASS
BLE_2M	Ant1	2440	30~26500	-5.64	-42.06	≤-25.64	PASS
BLE_2M	Ant1	2480	30~26500	-6.54	-41.82	≤-26.54	PASS

Test Graphs

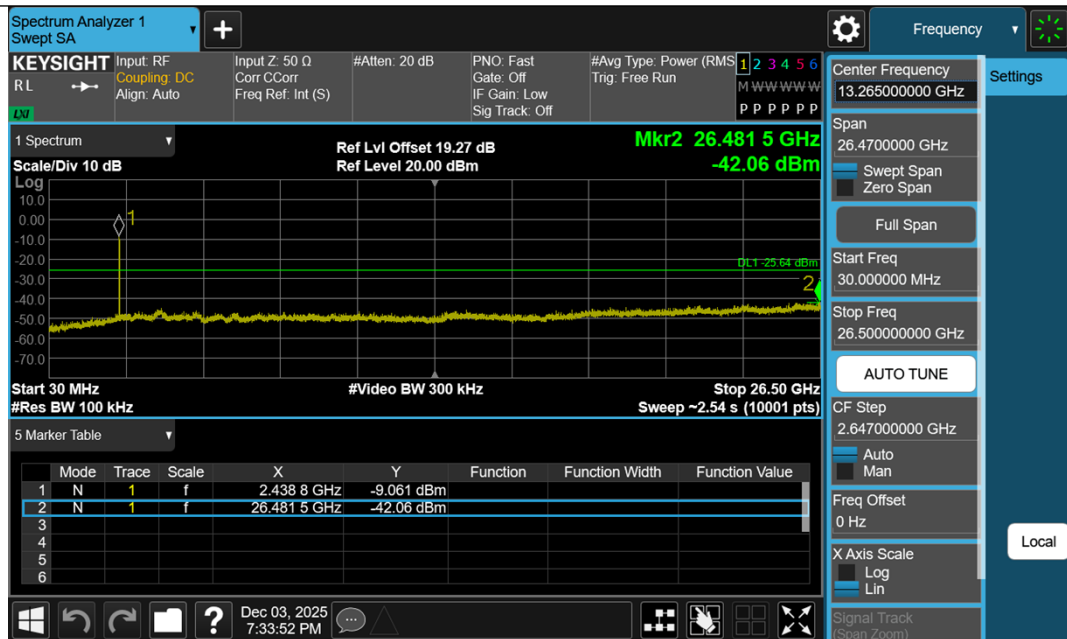




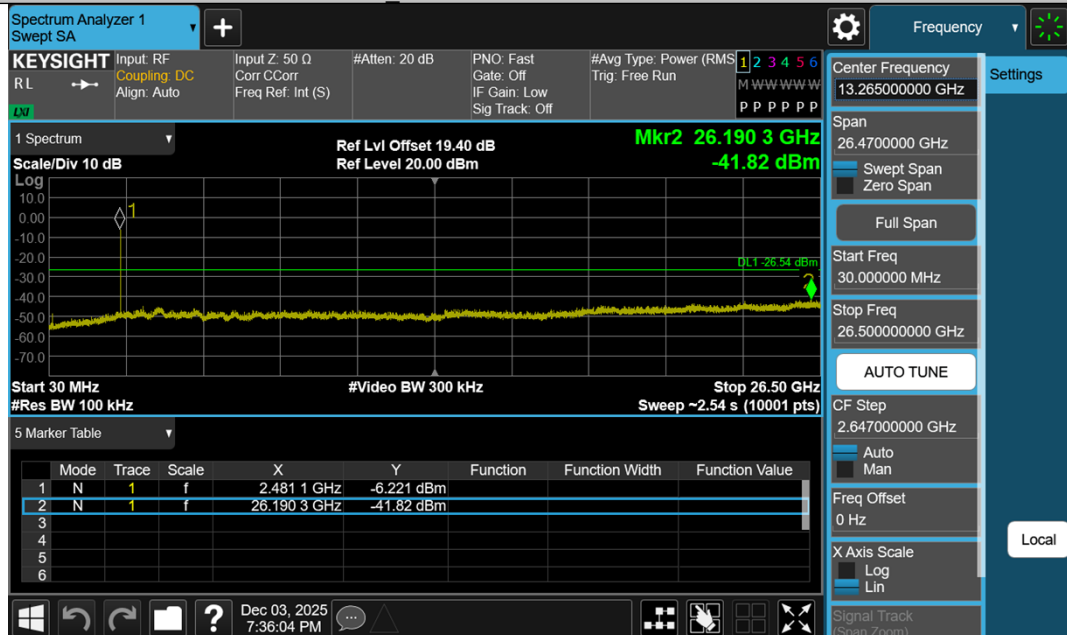
BLE_2M-Ant1-2402-30~26500-PASS



BLE_2M-Ant1-2440-30~26500-PASS



BLE_2M-Ant1-2480-30~26500-PASS



Appendix A.7: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

Test Site : 5# 966 Chamber

Test Date : 2025-12-10

Tested By : Shadow Yang

EUT : Control Box

Model Number : MC342

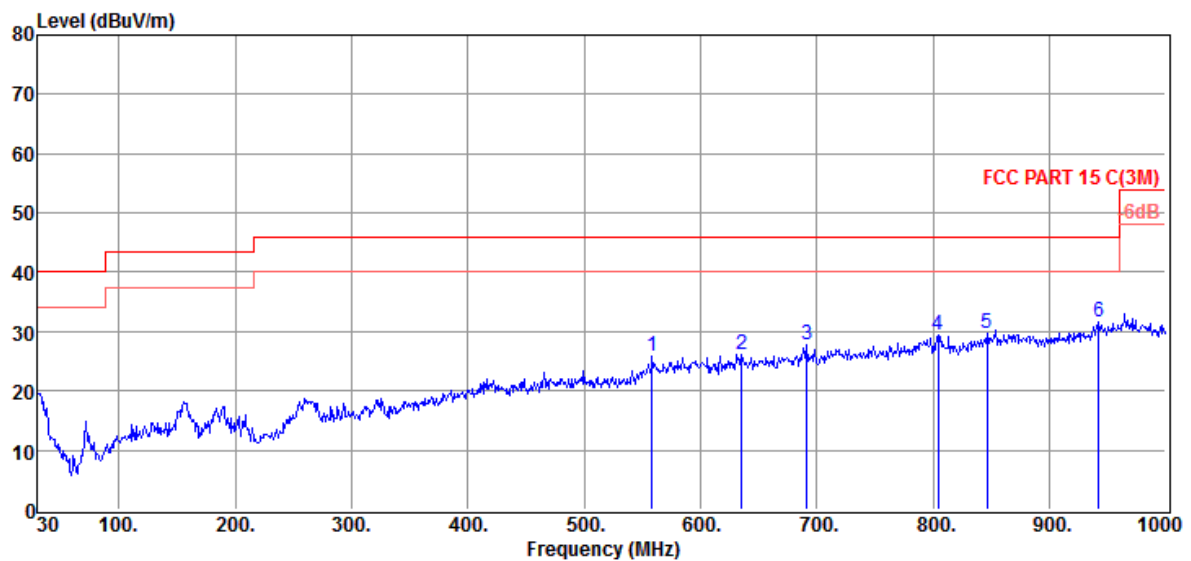
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2402MHz

Condition : Temp:21.2°C;Humi:32%;Press:101.1kPa

Polarization : HORIZONTAL

Sample No : EST-251202009-002



Item (Mark)	Freq (MHz)	Reading (dBuV)	Antenna Factor (dB/m)	Cable Loss dB	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Detector	Polarization
1	558.65	2.03	19.41	4.31	25.75	46.00	20.25	QP	HORIZONTAL
2	635.28	1.40	20.15	4.62	26.17	46.00	19.83	QP	HORIZONTAL
3	691.54	2.62	20.20	4.84	27.66	46.00	18.34	QP	HORIZONTAL
4	804.06	2.49	21.80	5.26	29.55	46.00	16.45	QP	HORIZONTAL
5	846.74	1.71	22.51	5.41	29.63	46.00	16.37	QP	HORIZONTAL
6	942.77	1.80	23.98	5.73	31.51	46.00	14.49	QP	HORIZONTAL

Remarks: 1. Emission Level = Reading+Antenna Factor + Cable Loss.

2. Margin = Limit - Emission Level.

3. The emission levels that are 20dB below the official limit are not reported

Test Site : 5# 966 Chamber

Test Date : 2025-12-10

Tested By : Shadow Yang

EUT : Control Box

Model Number : MC342

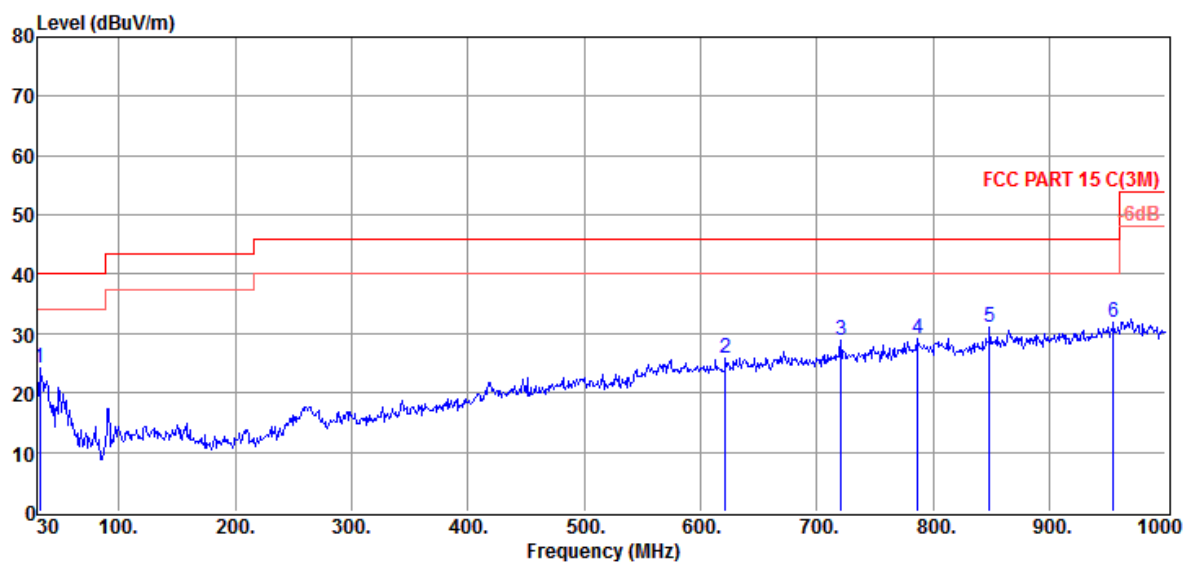
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2402MHz

Condition : Temp:21.2°C;Humi:32%;Press:101.1kPa

Polarization : VERTICAL

Sample No : EST-251202009-002



Item (Mark)	Freq (MHz)	Reading (dBuV)	Antenna Factor (dB/m)	Cable Loss dB	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Detector	Polarization
1	31.94	4.43	18.70	0.96	24.09	40.00	15.91	QP	VERTICAL
2	621.70	1.59	19.59	4.57	25.75	46.00	20.25	QP	VERTICAL
3	720.64	3.03	20.90	4.95	28.88	46.00	17.12	QP	VERTICAL
4	786.60	1.95	21.96	5.20	29.11	46.00	16.89	QP	VERTICAL
5	848.68	2.99	22.57	5.42	30.98	46.00	15.02	QP	VERTICAL
6	955.38	1.88	24.30	5.77	31.95	46.00	14.05	QP	VERTICAL

Remarks: 1. Emission Level = Reading+Antenna Factor + Cable Loss.

2. Margin = Limit - Emission Level.

3. The emission levels that are 20dB below the official limit are not reported.

1GHz - 18GHz

Radiated Emission Test Result

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

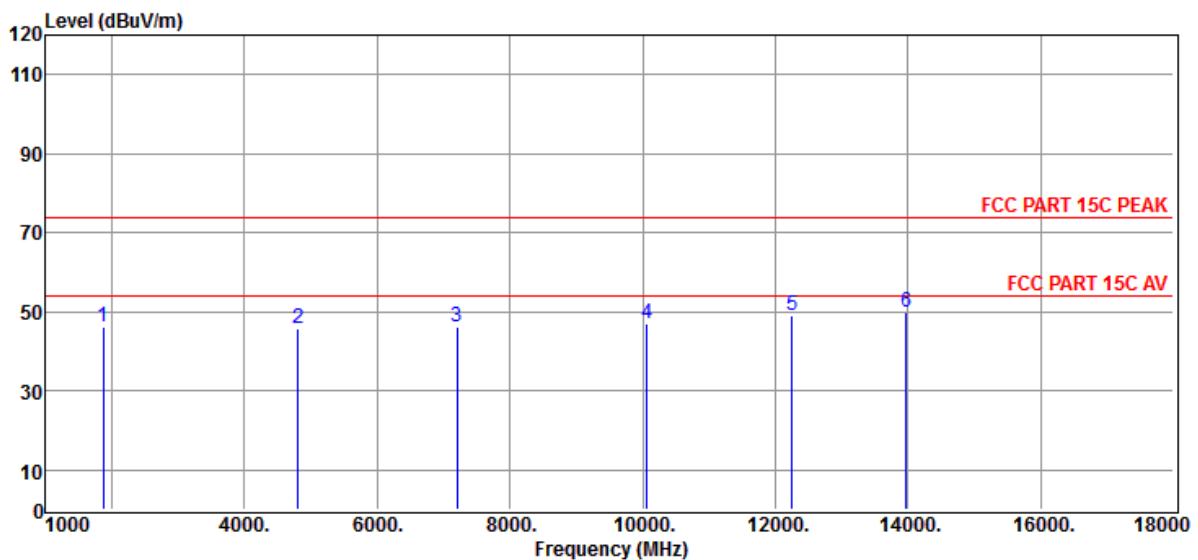
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2402MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa

Antenna/Distance : 9120D-1002 1-
18G/3m/HORIZONTAL

Sample No : EST-251202009-002

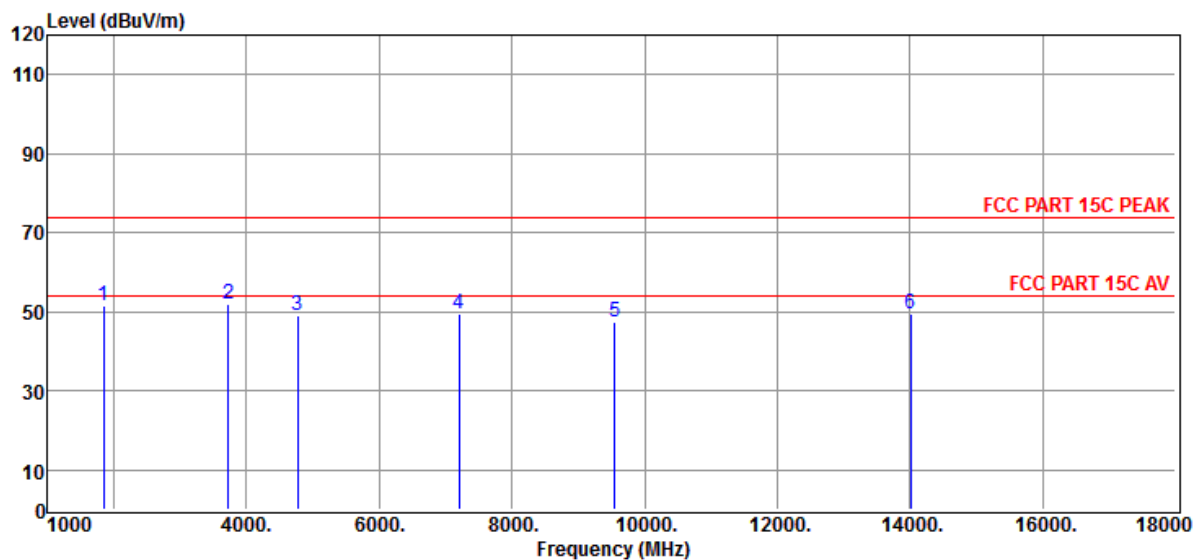


Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1867.00	61.79	26.00	44.78	3.02	46.03	74.00	-27.97	Peak	HORIZONTAL
2	4808.00	51.95	31.80	43.24	5.29	45.80	74.00	-28.20	Peak	HORIZONTAL
3	7205.00	45.71	37.10	43.36	6.70	46.15	74.00	-27.85	Peak	HORIZONTAL
4	10061.00	41.89	39.59	42.65	8.15	46.98	74.00	-27.02	Peak	HORIZONTAL
5	12254.00	40.37	40.15	40.62	9.05	48.95	74.00	-25.05	Peak	HORIZONTAL
6	13971.00	37.62	42.04	39.89	10.19	49.96	74.00	-24.04	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2402MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL



Item	Freq	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	1850.00	67.56	25.85	44.80	3.00	51.61	74.00	-22.39	Peak	VERTICAL
2	3720.00	61.20	29.58	43.40	4.63	52.01	74.00	-21.99	Peak	VERTICAL
3	4774.00	55.09	31.93	43.24	5.27	49.05	74.00	-24.95	Peak	VERTICAL
4	7205.00	48.86	37.10	43.36	6.70	49.30	74.00	-24.70	Peak	VERTICAL
5	9551.00	43.34	39.35	42.83	7.64	47.50	74.00	-26.50	Peak	VERTICAL
6	14005.00	37.24	42.10	39.90	10.22	49.66	74.00	-24.34	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

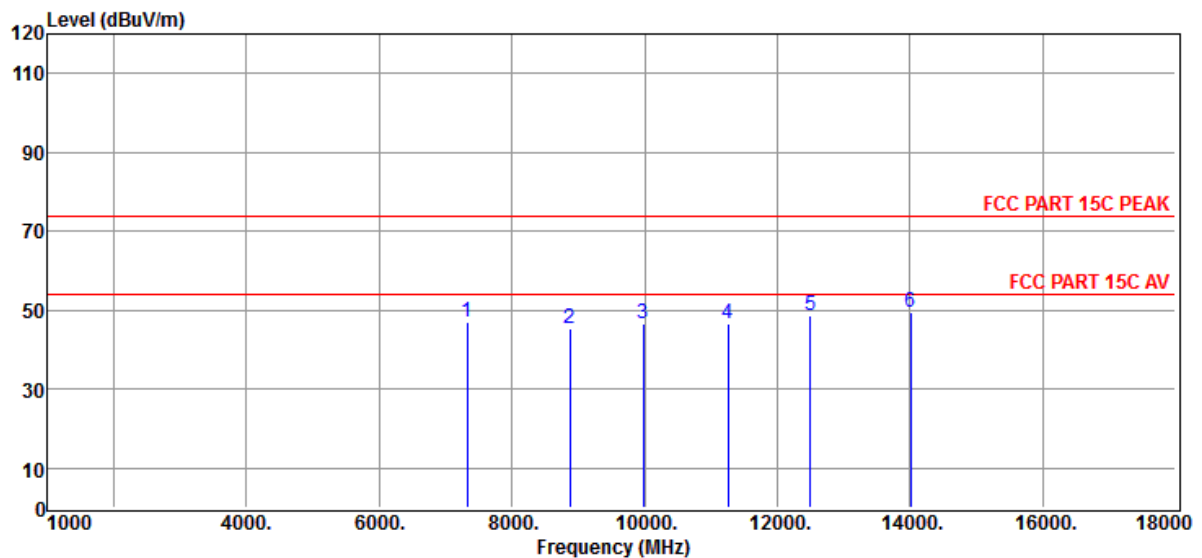
Power Supply : DC 29V From Adapter Input AC
: 120V/60Hz

Test Mode : GFSK 1Mbps TX 2440MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa

Antenna/Distance : 9120D-1002 1-
: 18G/3m/HORIZONTAL

Sample No : EST-251202009-002

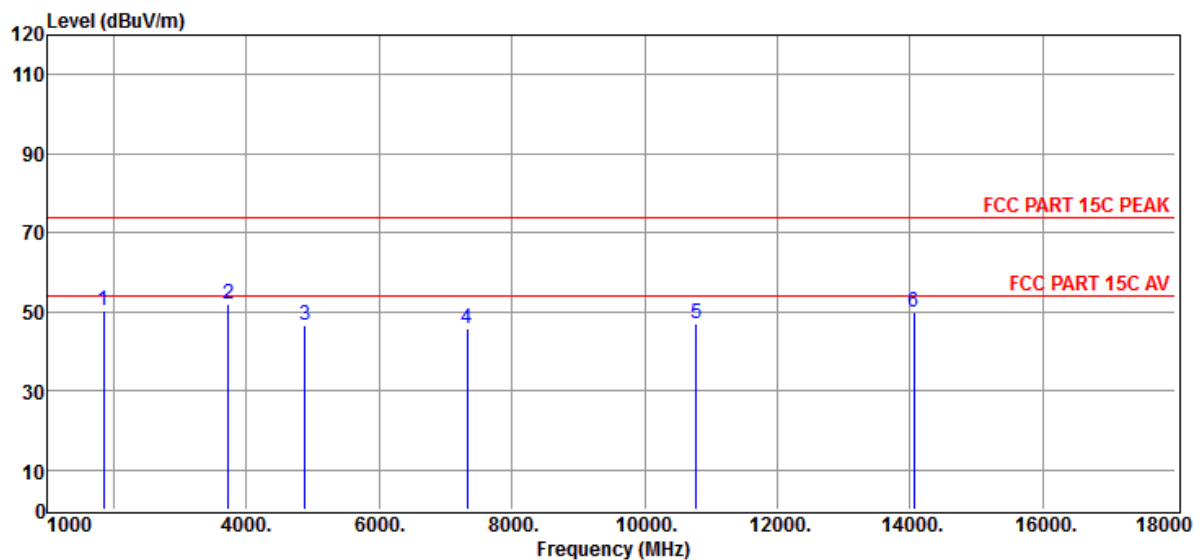


Item	Freq	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	7324.00	47.24	36.32	43.34	6.74	46.96	74.00	-27.04	Peak	HORIZONTAL
2	8871.00	42.63	38.80	43.03	7.04	45.44	74.00	-28.56	Peak	HORIZONTAL
3	9976.00	41.50	39.54	42.71	8.09	46.42	74.00	-27.58	Peak	HORIZONTAL
4	11251.00	40.02	39.58	41.75	8.81	46.66	74.00	-27.34	Peak	HORIZONTAL
5	12492.00	39.38	40.20	40.26	9.17	48.49	74.00	-25.51	Peak	HORIZONTAL
6	14005.00	37.17	42.10	39.90	10.22	49.59	74.00	-24.41	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2440MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL



Item	Freq	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	1850.00	66.25	25.85	44.80	3.00	50.30	74.00	-23.70	Peak	VERTICAL
2	3720.00	61.05	29.58	43.40	4.63	51.86	74.00	-22.14	Peak	VERTICAL
3	4876.00	52.68	31.80	43.22	5.33	46.59	74.00	-27.41	Peak	VERTICAL
4	7324.00	46.12	36.32	43.34	6.74	45.84	74.00	-28.16	Peak	VERTICAL
5	10775.00	41.08	39.44	42.15	8.62	46.99	74.00	-27.01	Peak	VERTICAL
6	14056.00	37.79	41.97	40.02	10.26	50.00	74.00	-24.00	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

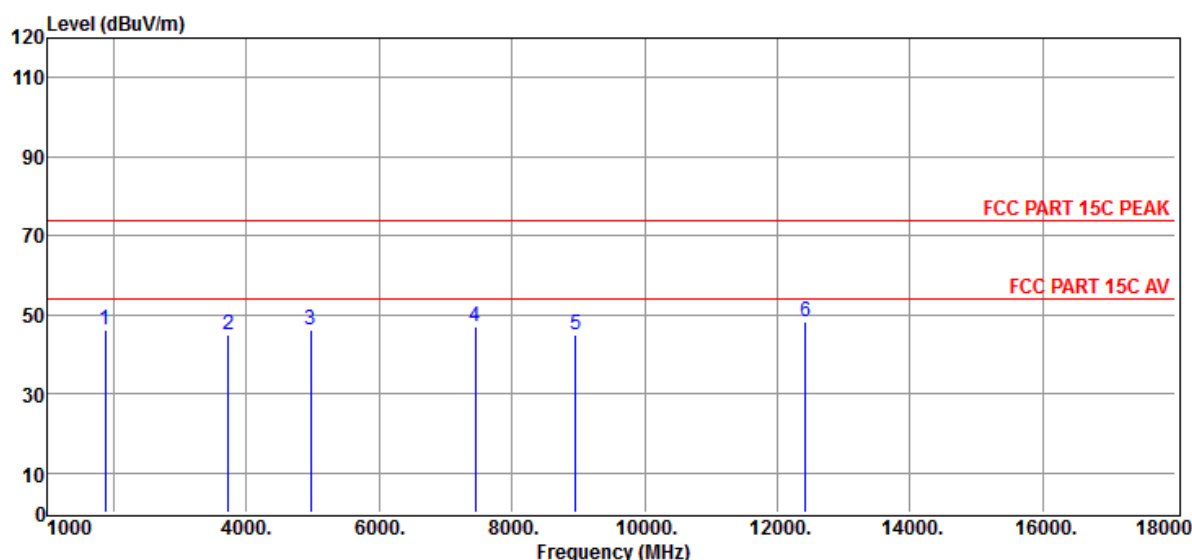
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2480MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa

Antenna/Distance : 9120D-1002 1-
18G/3m/HORIZONTAL

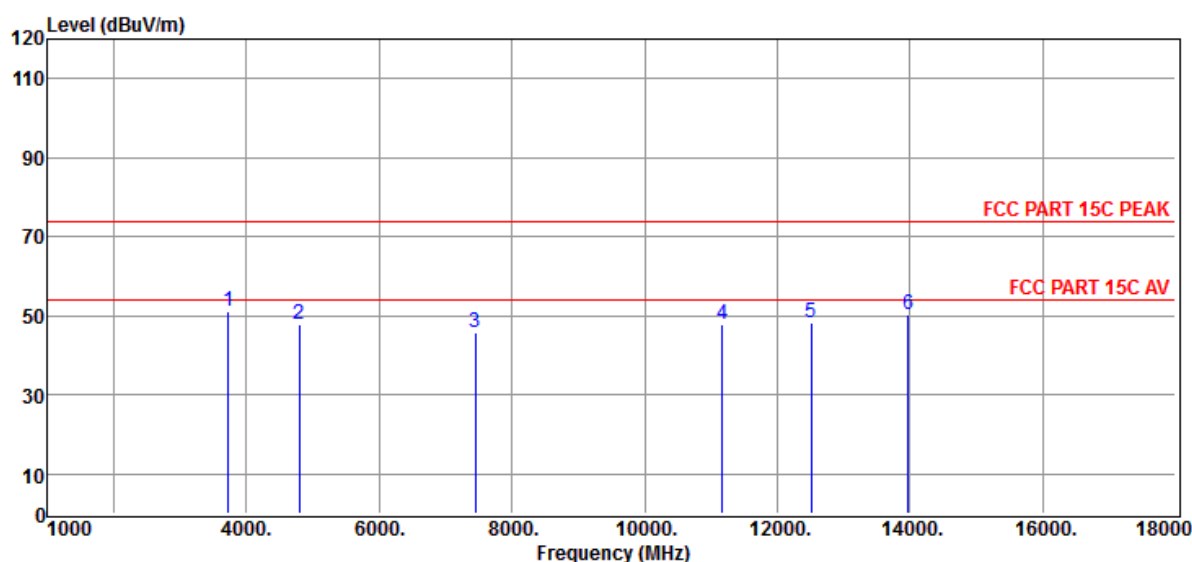
Sample No : EST-251202009-002



Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1867.0 0	61.81	26.00	44.78	3.02	46.05	74.00	-27.95	Peak	HORIZONTAL
2	3720.0 0	54.17	29.58	43.40	4.63	44.98	74.00	-29.02	Peak	HORIZONTAL
3	4961.0 0	52.34	31.73	43.21	5.37	46.23	74.00	-27.77	Peak	HORIZONTAL
4	7443.0 0	46.74	36.85	43.31	6.77	47.05	74.00	-26.95	Peak	HORIZONTAL
5	8956.0 0	42.45	38.65	43.01	7.05	45.14	74.00	-28.86	Peak	HORIZONTAL
6	12424.00	39.38	40.18	40.36	9.14	48.34	74.00	-25.66	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2480MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL



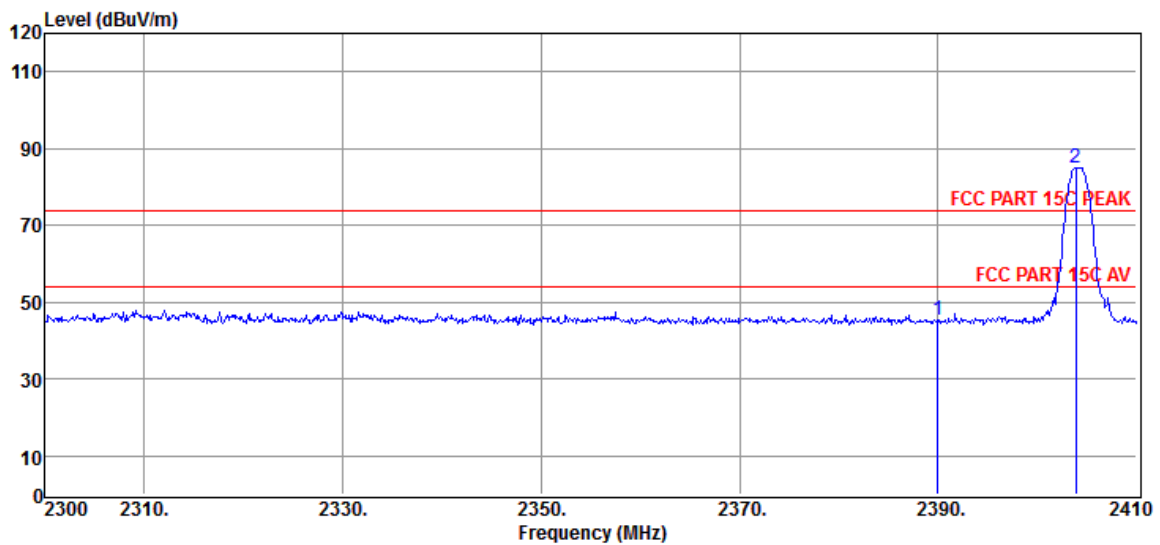
Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	3720.00	60.32	29.58	43.40	4.63	51.13	74.00	-22.87	Peak	VERTICAL
2	4791.00	54.05	31.87	43.24	5.28	47.96	74.00	-26.04	Peak	VERTICAL
3	7443.00	45.27	36.85	43.31	6.77	45.58	74.00	-28.42	Peak	VERTICAL
4	11166.00	41.34	39.52	41.83	8.80	47.83	74.00	-26.17	Peak	VERTICAL
5	12509.00	39.15	40.20	40.24	9.18	48.29	74.00	-25.71	Peak	VERTICAL
6	13971.00	37.92	42.04	39.89	10.19	50.26	74.00	-23.74	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2402MHz
Antenna/Distance : 9120D-1002 1-18G/3m/HORIZONTAL



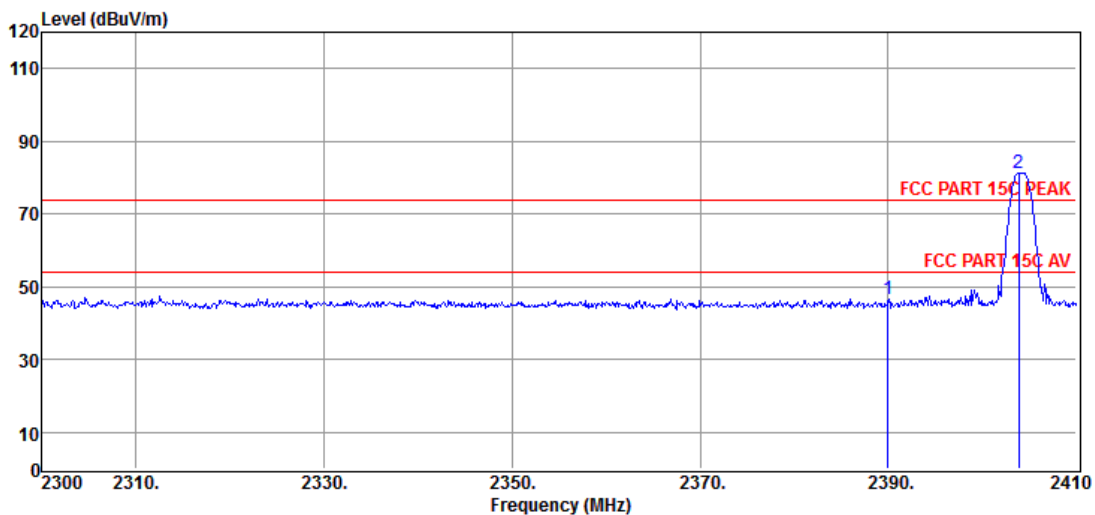
Item	Freq	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	2390.00	58.52	27.60	44.13	3.49	45.48	74.00	-28.52	Peak	HORIZONTAL
2	2403.84	97.85	27.67	44.11	3.51	84.92	74.00	10.92	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2402MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL

Data : 2



Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2390.0 0	59.58	27.60	44.13	3.49	46.54	74.00	-27.46	Peak	VERTICAL
2	2403.8 4	94.36	27.67	44.11	3.51	81.43	74.00	7.43	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

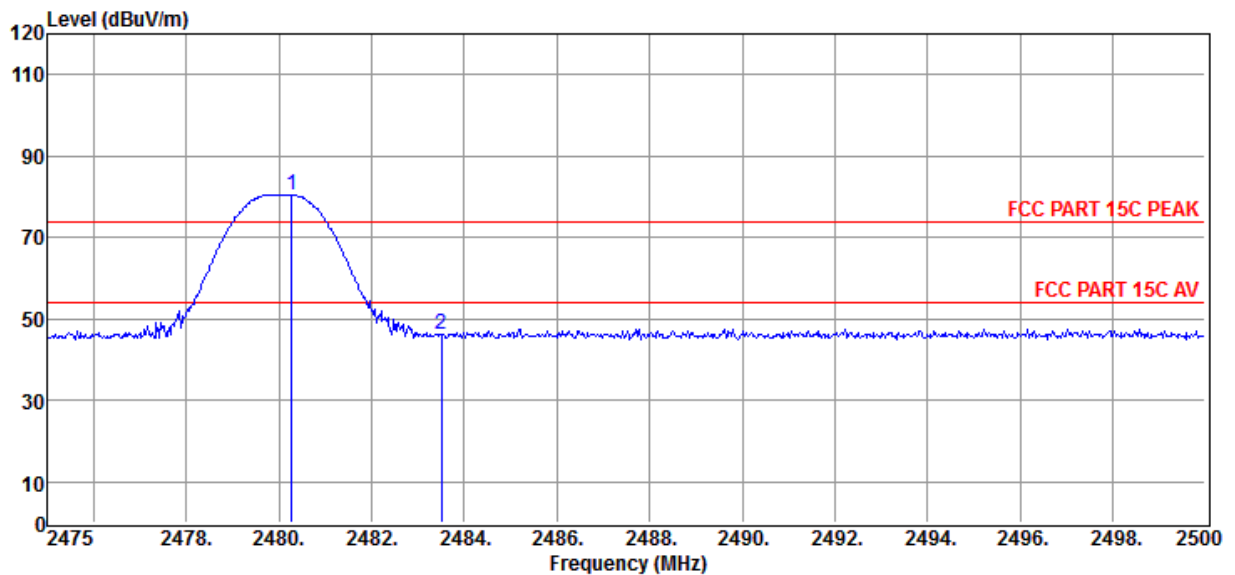
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2480MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa

Antenna/Distance : 9120D-1002 1-
18G/3m/HORIZONTAL

Sample No : EST-251202009-002

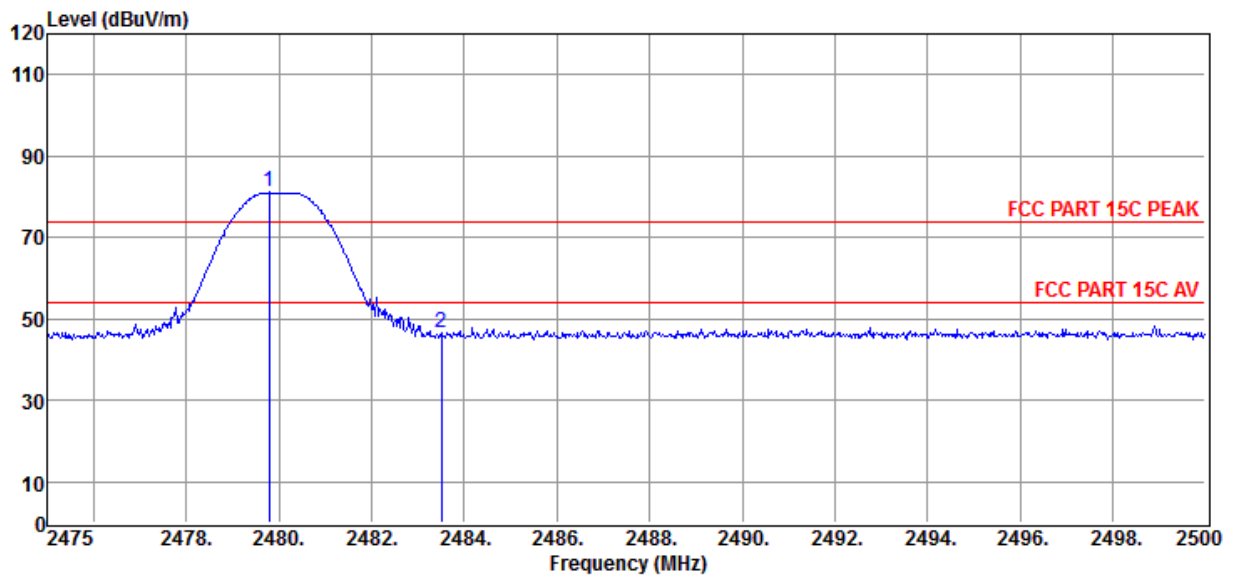


Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2480.28	92.86	27.93	44.03	3.57	80.33	74.00	6.33	Peak	HORIZONTAL
2	2483.50	58.88	27.93	44.03	3.57	46.35	74.00	-27.65	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 1Mbps TX 2480MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL



Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2479.78	93.56	27.93	44.03	3.57	81.03	74.00	7.03	Peak	VERTICAL
2	2483.50	58.98	27.93	44.03	3.57	46.45	74.00	-27.55	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

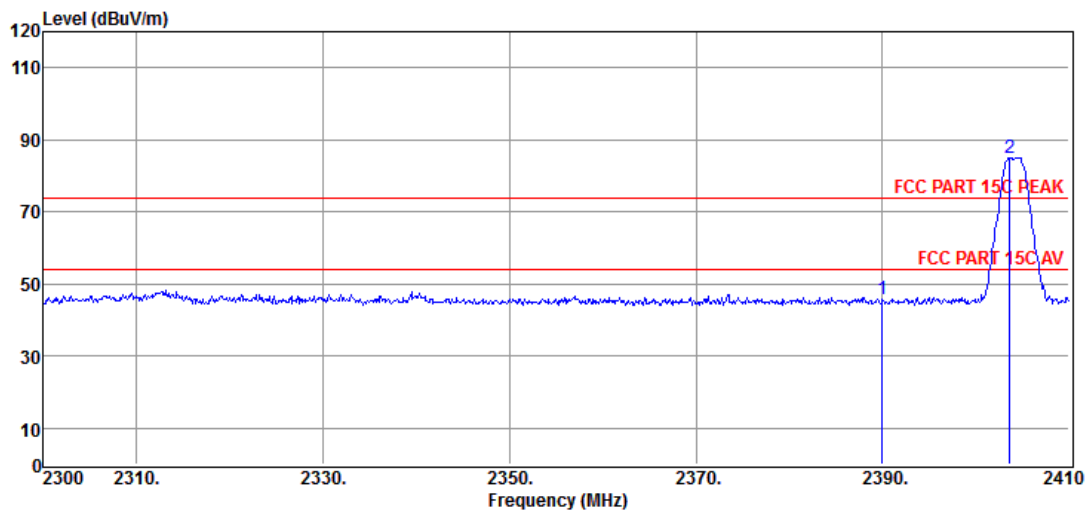
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 2Mbps TX 2402MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.5kPa

Antenna/Distance : 9120D-1002 1-
18G/3m/HORIZONTAL

Sample No : EST-251202009-002



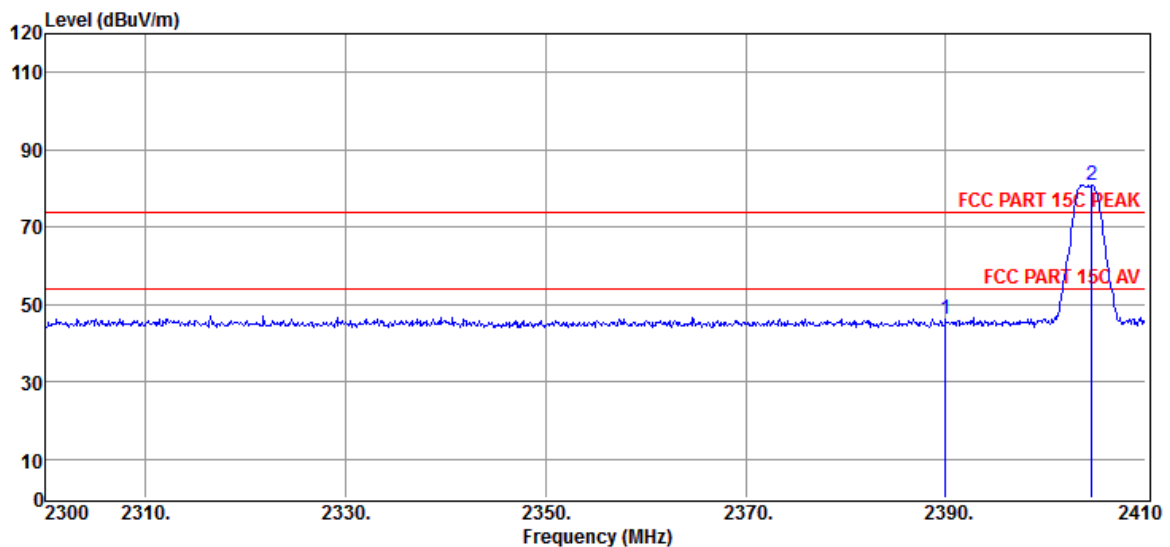
Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2390.00	58.85	27.60	44.13	3.49	45.81	74.00	-28.19	Peak	HORIZONTAL
2	2403.62	98.00	27.67	44.11	3.51	85.07	74.00	11.07	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 2Mbps TX 2402MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL

Data : 6



Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2390.00	59.17	27.60	44.13	3.49	46.13	74.00	-27.87	Peak	VERTICAL
2	2404.61	93.76	27.67	44.11	3.51	80.83	74.00	6.83	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber

Test Date : 2025-12-04

Tested By : Aron Zhang

EUT : Control Box

Model Number : MC342

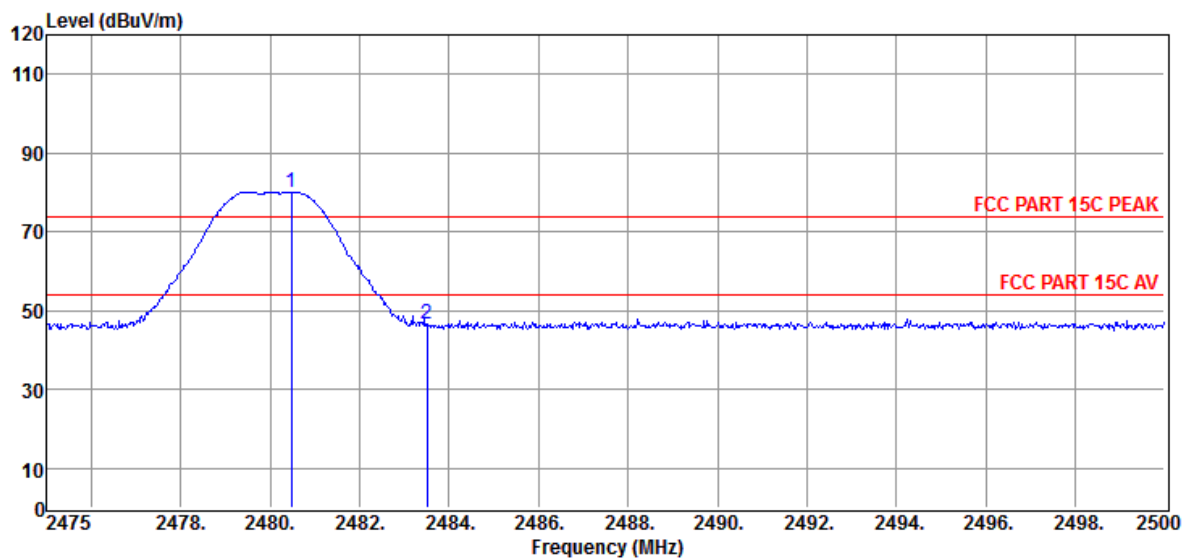
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 2Mbps TX 2480MHz

Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa

Antenna/Distance : 9120D-1002 1-
18G/3m/HORIZONTAL

Sample No : EST-251202009-002

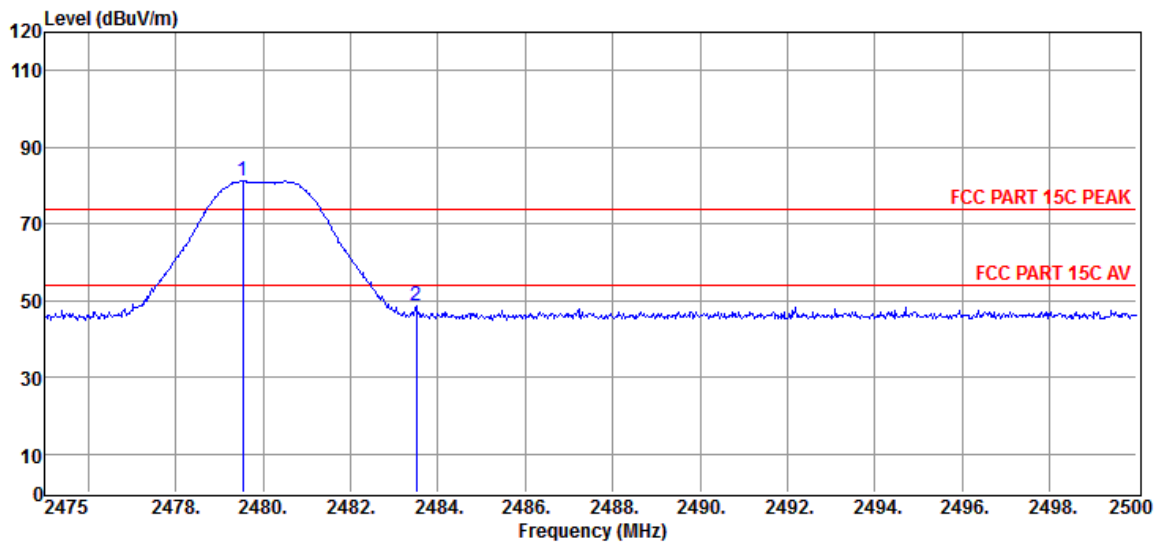


Item	Freq	Read Level	Antenna Factor	PRM Factor	Cabl e Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	2480.48	92.70	27.93	44.03	3.57	80.17	74.00	6.17	Peak	HORIZONTAL
2	2483.50	59.15	27.93	44.03	3.57	46.62	74.00	-27.38	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Radiated Emission Test Result

Test Site : 5# 966 Chamber
Test Date : 2025-12-04
EUT : Control Box
Power Supply : DC 29V From Adapter Input AC 120V/60Hz
Condition : Temp:20.4°C;Humi:48%;Press:101.55kPa
Sample No : EST-251202009-002
Tested By : Aron Zhang
Model Number : MC342
Test Mode : GFSK 2Mbps TX 2480MHz
Antenna/Distance : 9120D-1002 1-18G/3m/VERTICAL



Item (Mark)	Freq (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cabl e Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2479.53	93.64	27.93	44.03	3.57	81.11	74.00	7.11	Peak	VERTICAL
2	2483.50	61.30	27.93	44.03	3.57	48.77	74.00	-25.23	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

Appendix A.9: Test Results of Conducted Emission on AC Mains

Radiated Emission Test Result

Test Site : 3#CE Shield Room

Test Date : 2025-12-10

EUT : Control Box

Power Supply : DC 29V From Adapter Input AC 120V/60Hz

Condition : Temp:25.5°C;Humi:57%;Press:101.1kPa

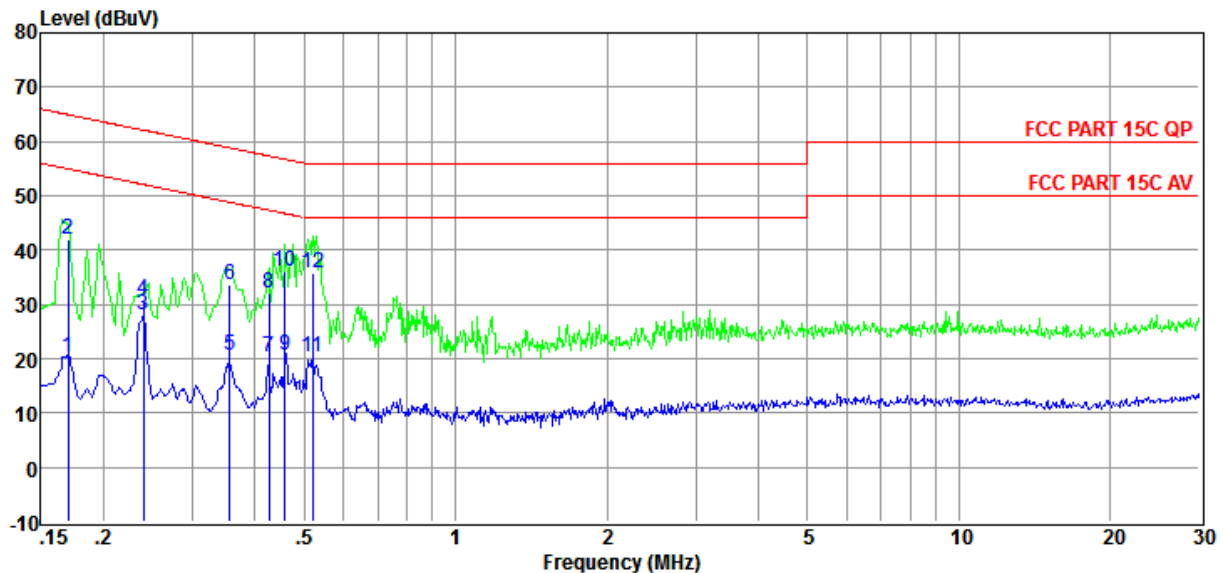
Sample No : EST-251202009-002

Tested By : Edison Chen

Model Number : MC342

Test Mode : GFSK 1Mbps TX 2402MHz

Polarization : LINE



Item	Freq	Reading	Antenna Factor	Cable Loss	Emission Level	Limit Line	Margin	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	0.17	0.50	9.95	9.84	20.29	54.94	34.65	Average	LINE
2	0.17	22.11	9.95	9.84	41.90	64.94	23.04	QP	LINE
3	0.24	8.31	9.88	9.84	28.03	52.08	24.05	Average	LINE
4	0.24	11.11	9.88	9.84	30.83	62.08	31.25	QP	LINE
5	0.36	0.95	9.83	9.84	20.62	48.83	28.21	Average	LINE
6	0.36	13.84	9.83	9.84	33.51	58.83	25.32	QP	LINE
7	0.43	0.81	9.80	9.84	20.45	47.33	26.88	Average	LINE
8	0.43	12.55	9.80	9.84	32.19	57.33	25.14	QP	LINE
9	0.46	0.99	9.78	9.84	20.61	46.71	26.10	Average	LINE

10	0.46	16.54	9.78	9.84	36.16	56.71	20.55	QP	LINE
11	0.52	0.79	9.76	9.84	20.39	46.00	25.61	Average	LINE
12	0.52	16.14	9.76	9.84	35.74	56.00	20.26	QP	LINE

Remarks: 1. Emission Level = Reading+Antenna Factor + Cable Loss.
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

Radiated Emission Test Result

Test Site : 3#CE Shield Room

Test Date : 2025-12-10

Tested By : Edison Chen

EUT : Control Box

Model Number : MC342

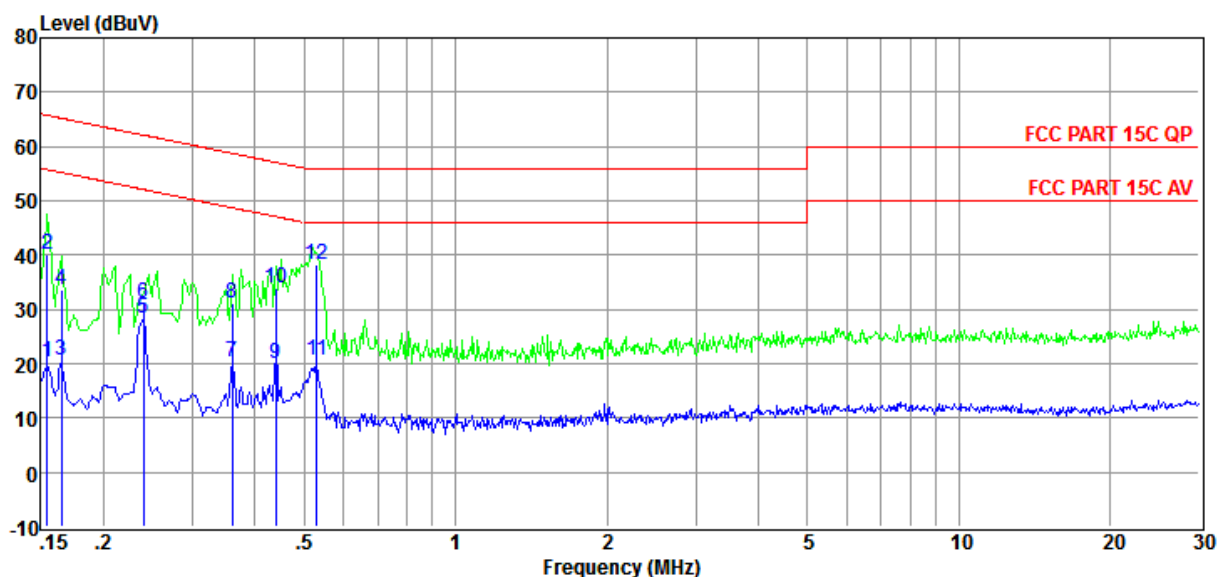
Power Supply : DC 29V From Adapter Input AC
120V/60Hz

Test Mode : GFSK 1Mbps TX 2402MHz

Condition : Temp:25.5°C;Humi:57%;Press:101.1kPa

Polarization : NEUTRAL

Sample No : EST-251202009-002



Item	Freq	Reading	Antenna Factor	Cable Loss	Emission Level	Limit Line	Margin	Detector	Polarization
(Mark)	(MHz)	(dBuV)	(dB/m)	dB	(dBuV/m)	(dBuV/m)	(dB)		
1	0.15	0.44	9.96	9.84	20.24	55.74	35.50	Average	NEUTRAL
2	0.15	20.23	9.96	9.84	40.03	65.74	25.71	QP	NEUTRAL
3	0.17	0.85	9.96	9.84	20.65	55.21	34.56	Average	NEUTRAL
4	0.17	13.74	9.96	9.84	33.54	65.21	31.67	QP	NEUTRAL
5	0.24	8.68	9.94	9.84	28.46	52.08	23.62	Average	NEUTRAL
6	0.24	11.37	9.94	9.84	31.15	62.08	30.93	QP	NEUTRAL
7	0.36	0.38	9.94	9.84	20.16	48.74	28.58	Average	NEUTRAL
8	0.36	11.21	9.94	9.84	30.99	58.74	27.75	QP	NEUTRAL
9	0.44	0.31	9.93	9.84	20.08	47.07	26.99	Average	NEUTRAL
10	0.44	14.17	9.93	9.84	33.94	57.07	23.13	QP	NEUTRAL

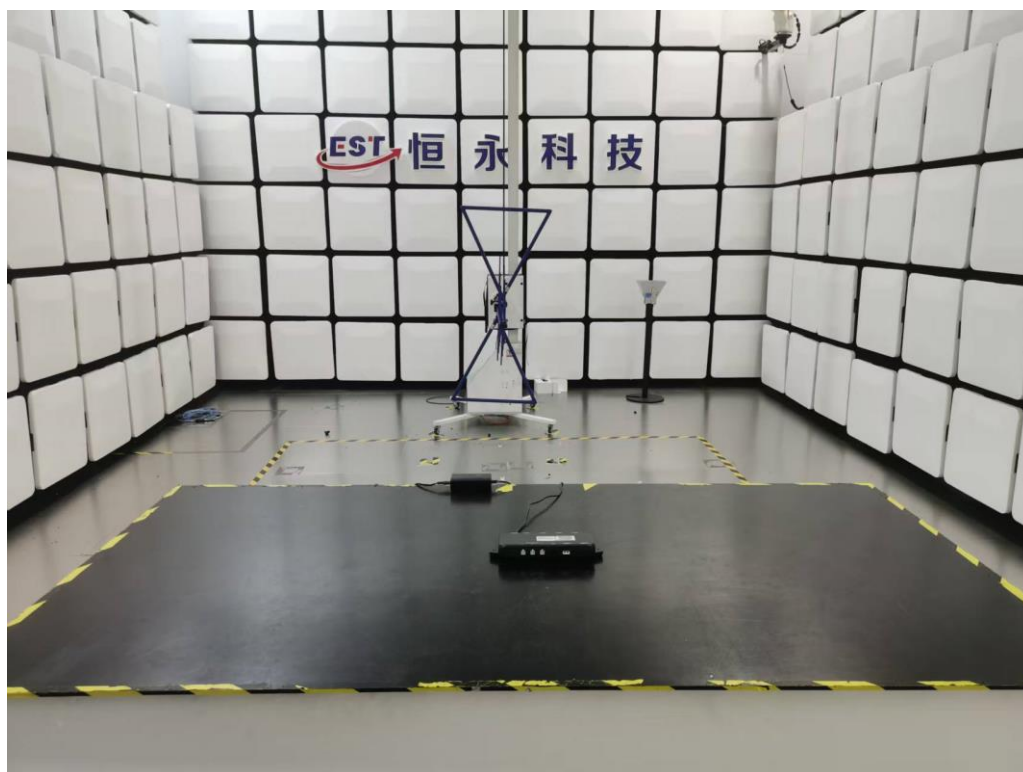
11	0.53	0.83	9.88	9.84	20.55	46.00	25.45	Average	NEUTRAL
12	0.53	18.54	9.88	9.84	38.26	56.00	17.74	QP	NEUTRAL

Remarks: 1. Emission Level = Reading+Antenna Factor + Cable Loss.
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

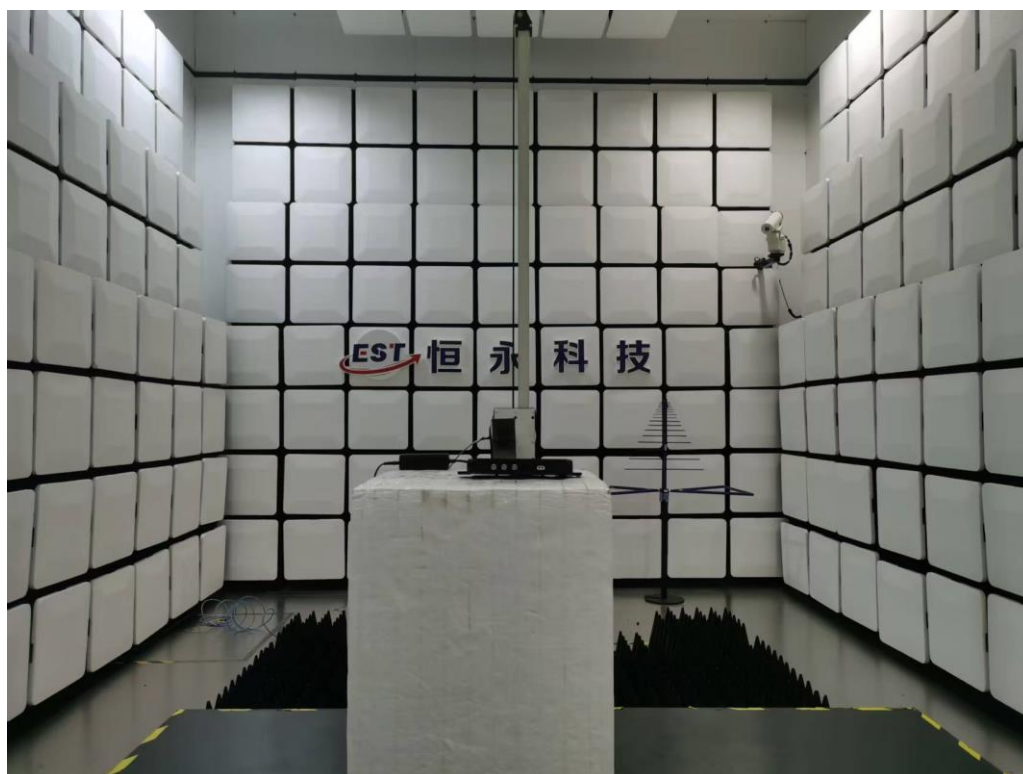
Appendix B: Photographs of the Test Set-Up

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PHOTOGRAPH 2: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 1GHz - 18GHz.....	2
PHOTOGRAPH 3: SET-UP PHOTO FOR CONDUCTED EMISSION ON AC MAINS.....	3

Photograph 1: Set-up photo for Radiated Spurious Emission, 30MHz - 1GHz



Photograph 2: Set-up photo for Radiated Spurious Emission, 1GHz - 18GHz



Photograph 3: Set-up photo for Conducted Emission on AC Mains

