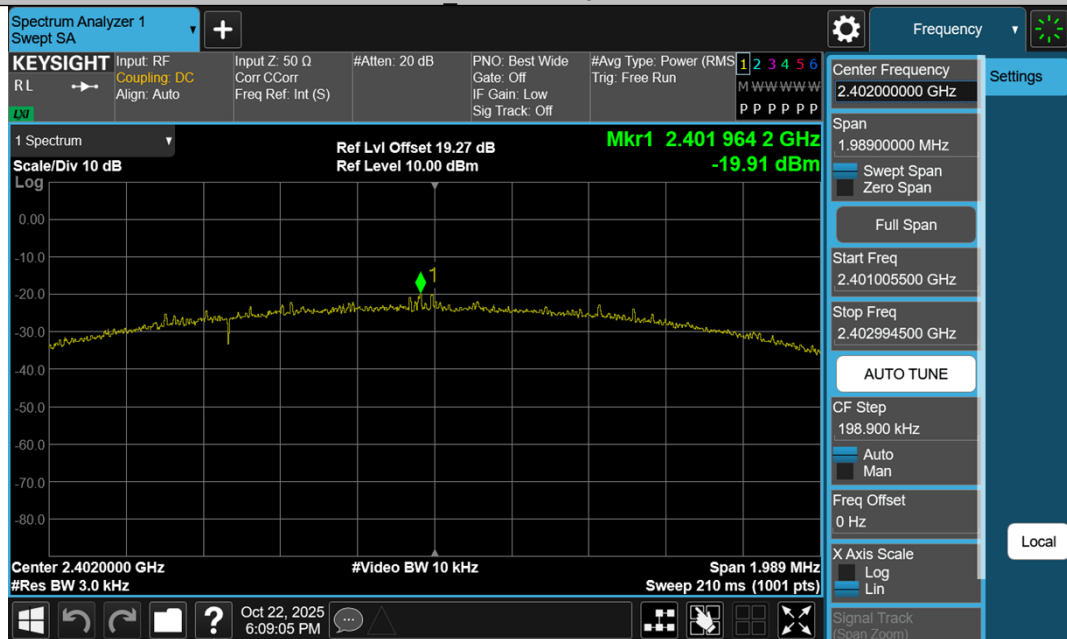
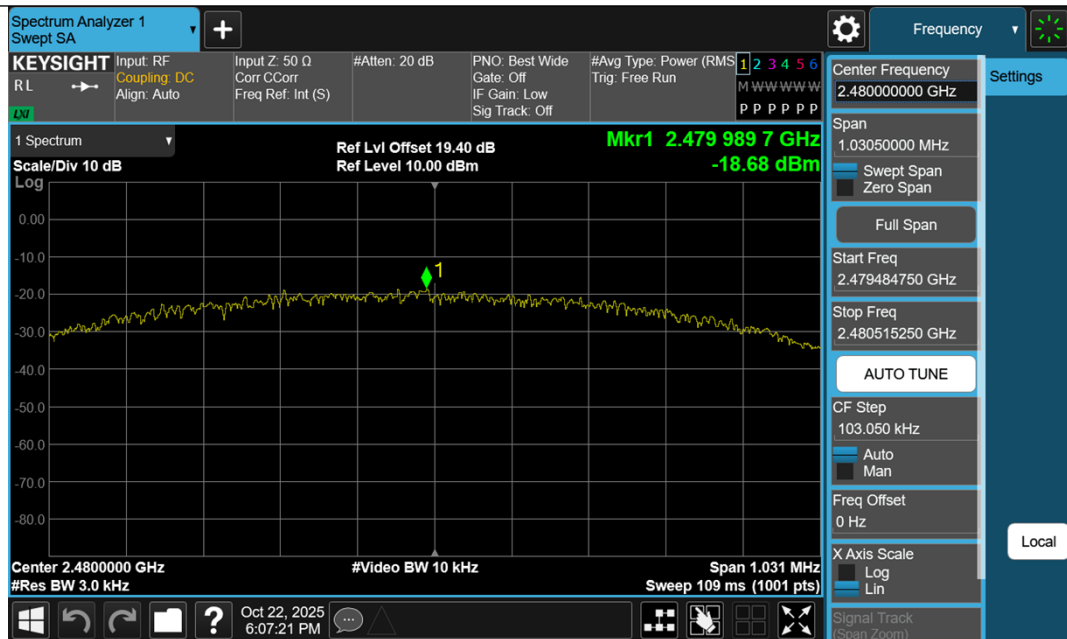
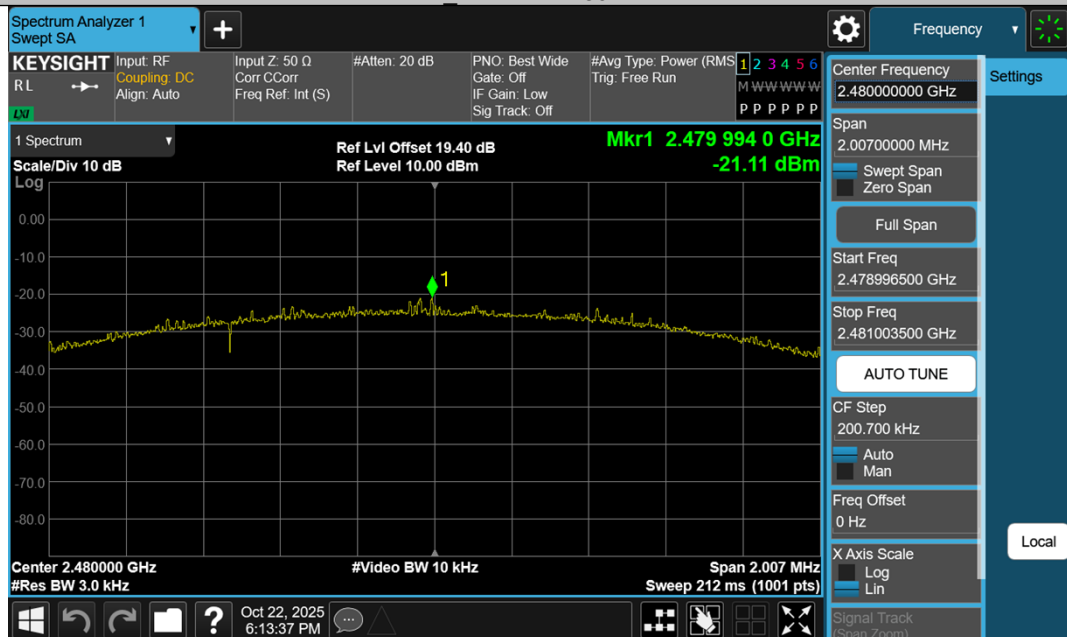
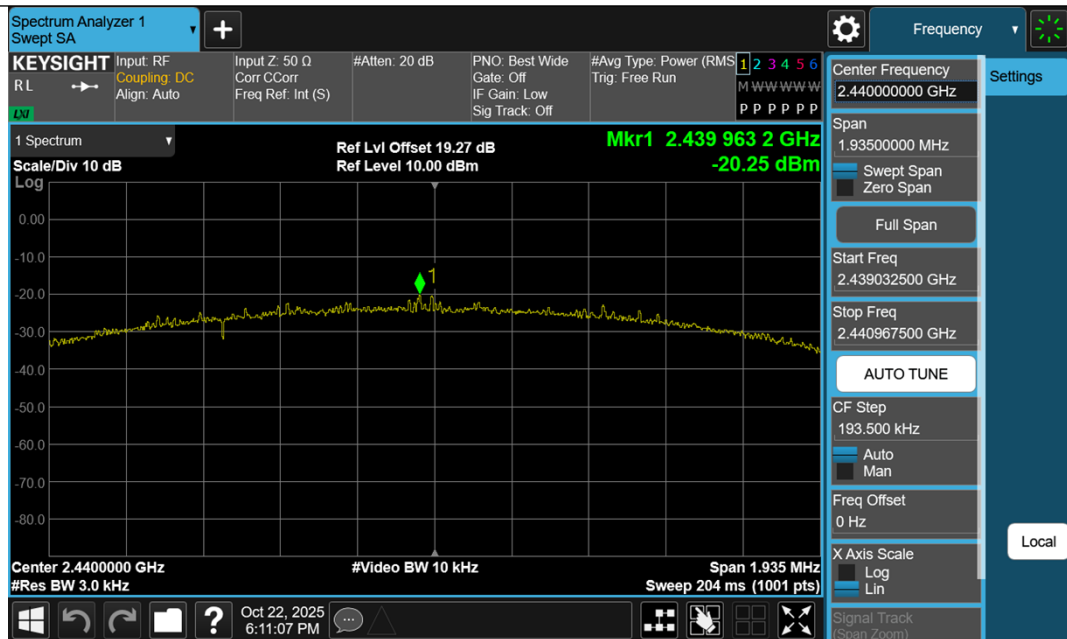




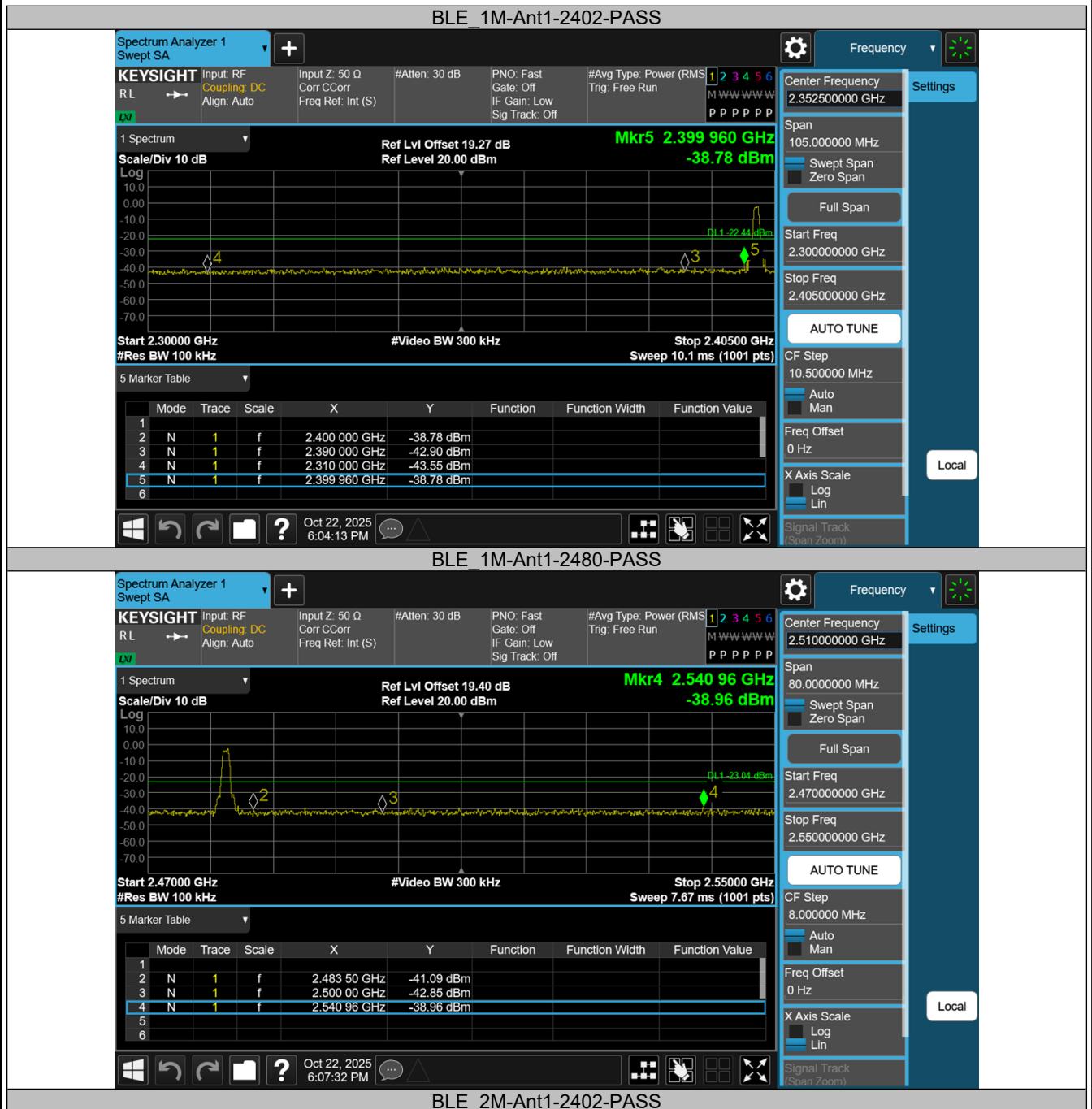


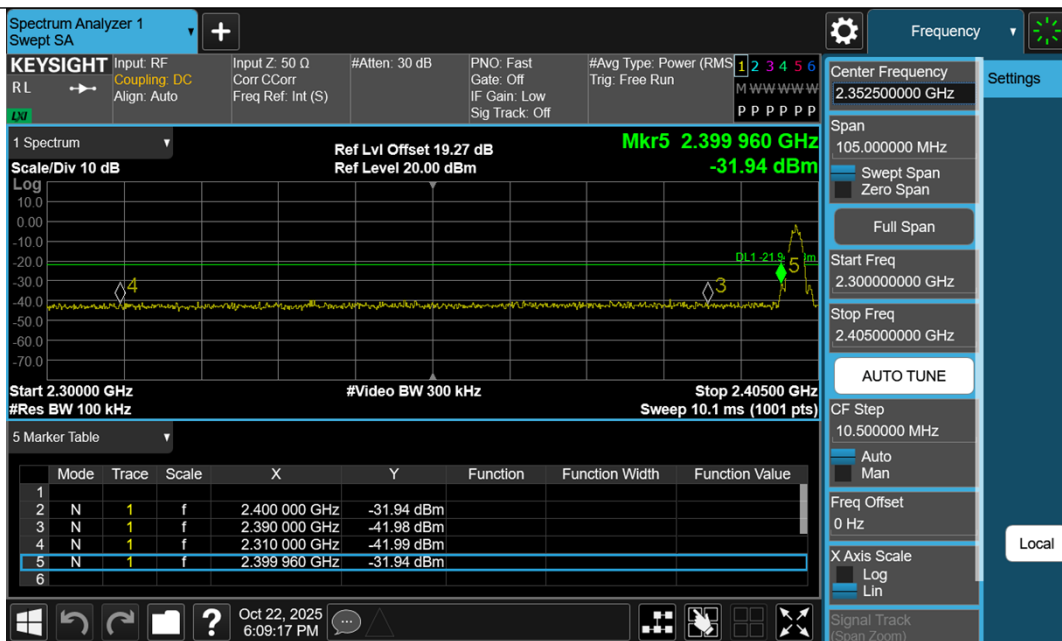
Appendix A.5: Test Results of Band Edge Measurements

Test Result

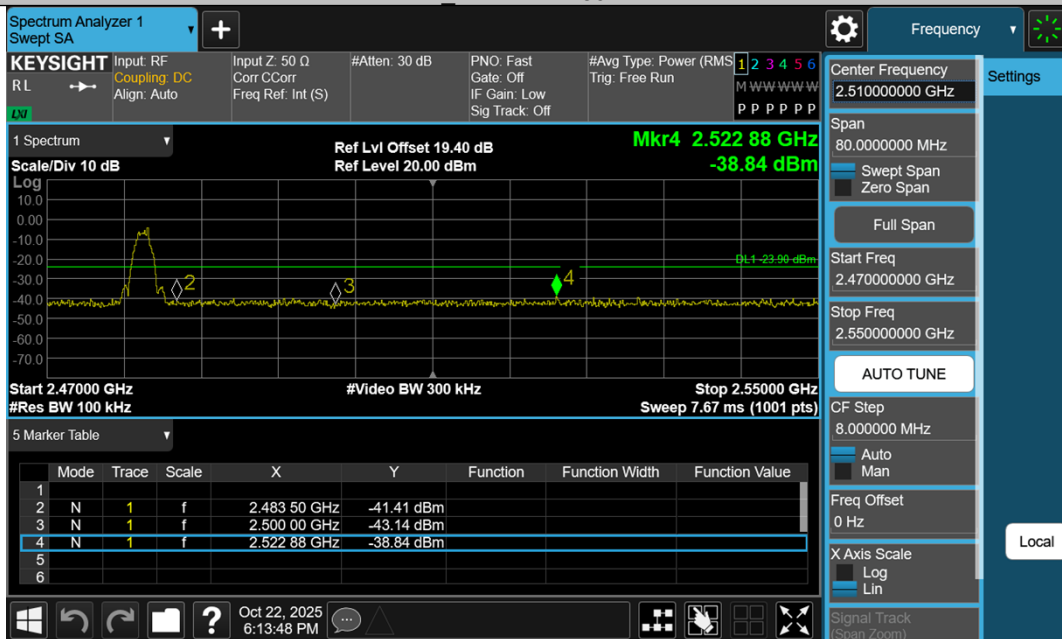
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.44	-38.78	≤-22.44	PASS
BLE_1M	Ant1	High	2480	-3.04	-38.97	≤-23.04	PASS
BLE_2M	Ant1	Low	2402	-1.94	-31.95	≤-21.94	PASS
BLE_2M	Ant1	High	2480	-3.90	-38.84	≤-23.9	PASS

Test Graphs





BLE 2M-Ant1-2480-PASS

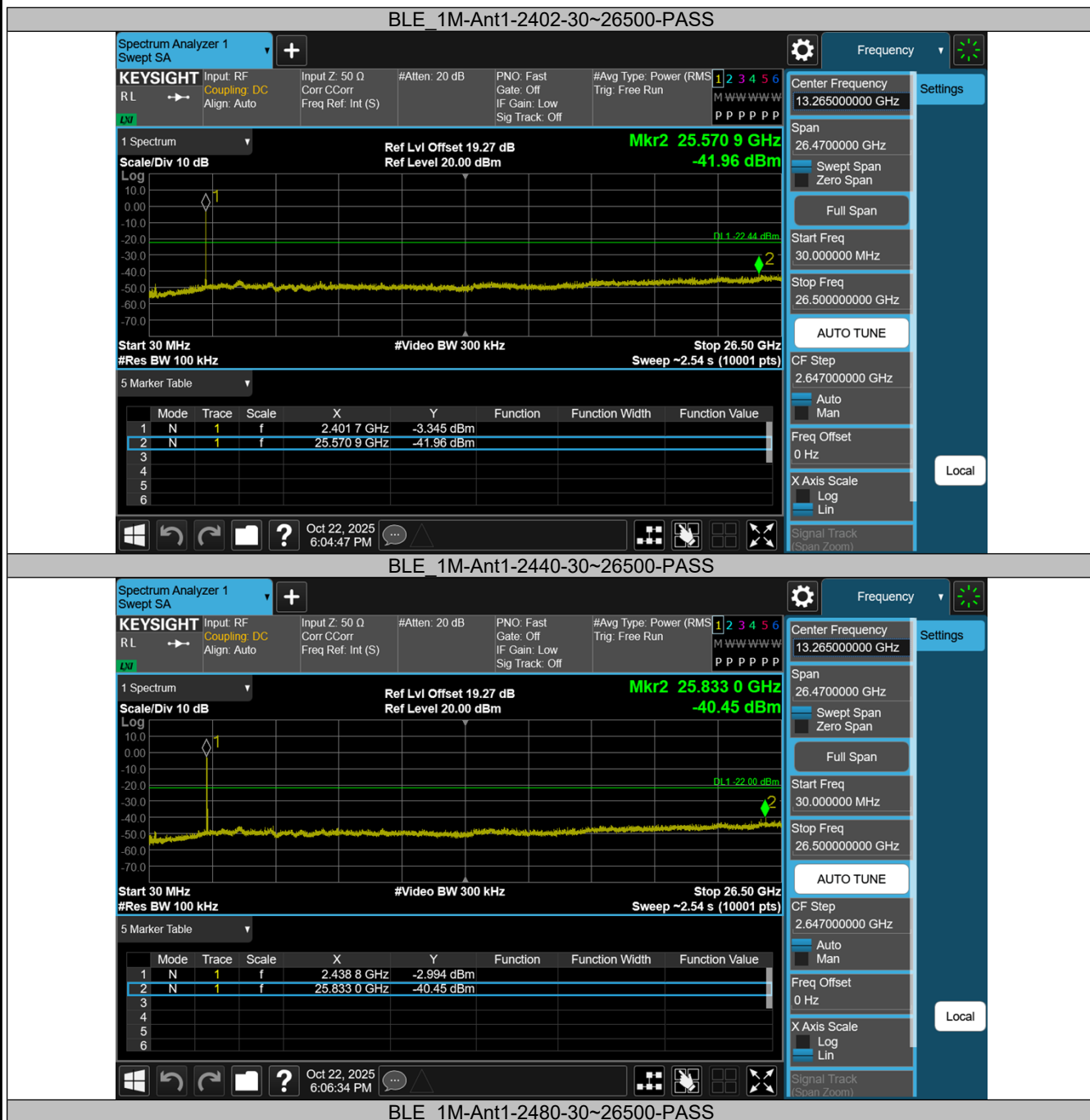


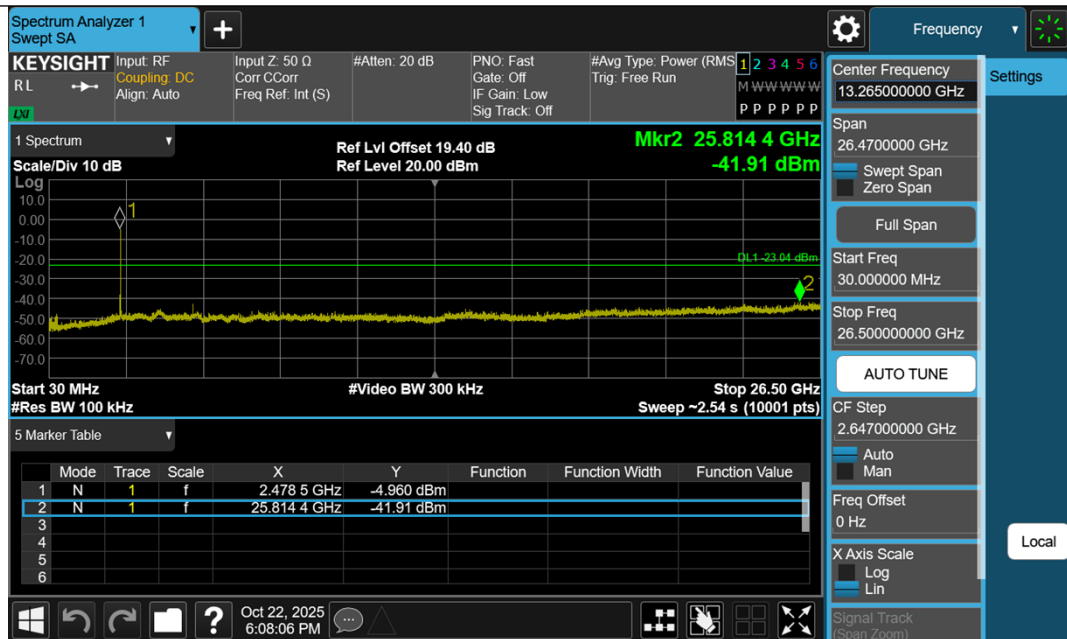
Appendix A.6: Test Results of Conducted Spurious Emission

Test Result

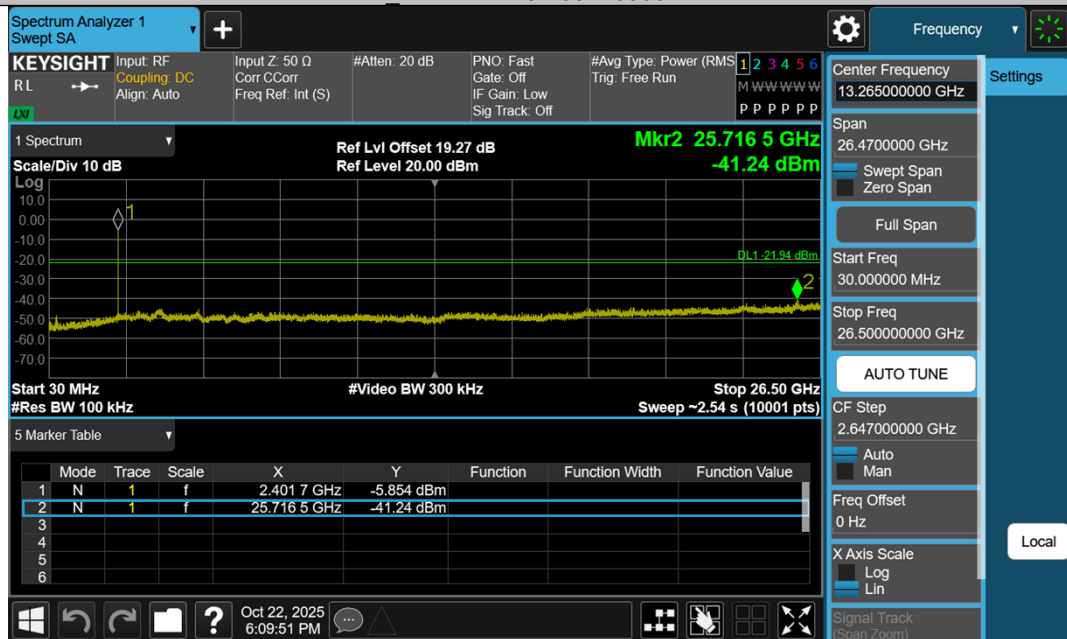
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	-2.44	-41.96	≤-22.44	PASS
BLE_1M	Ant1	2440	30~26500	-2.00	-40.45	≤-22	PASS
BLE_1M	Ant1	2480	30~26500	-3.04	-41.91	≤-23.04	PASS
BLE_2M	Ant1	2402	30~26500	-1.94	-41.24	≤-21.94	PASS
BLE_2M	Ant1	2440	30~26500	-2.14	-41.33	≤-22.14	PASS
BLE_2M	Ant1	2480	30~26500	-3.90	-41.3	≤-23.9	PASS

Test Graphs

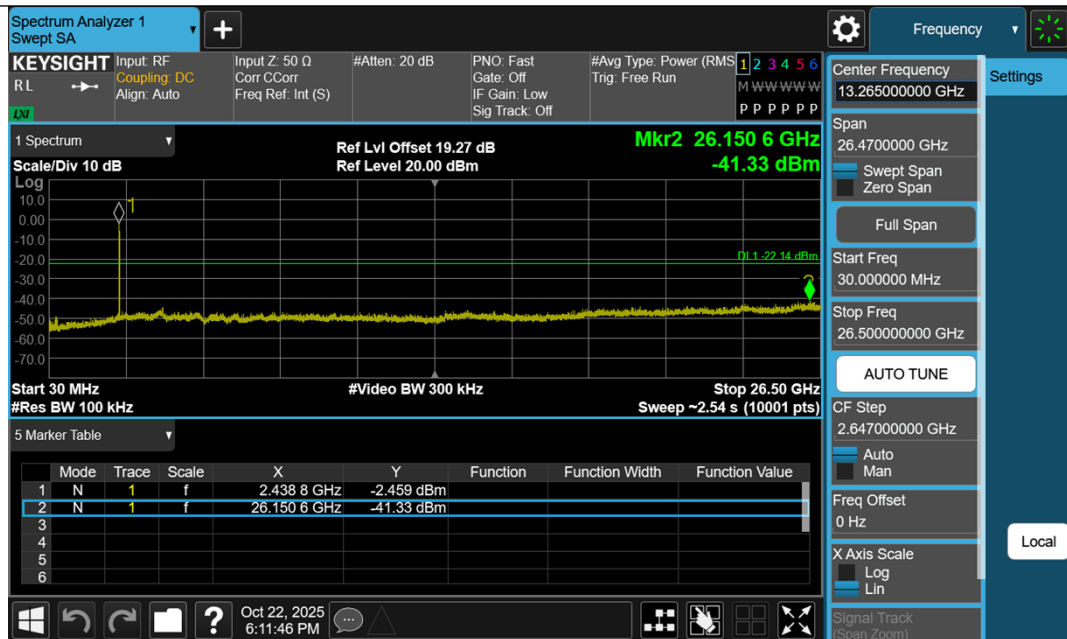




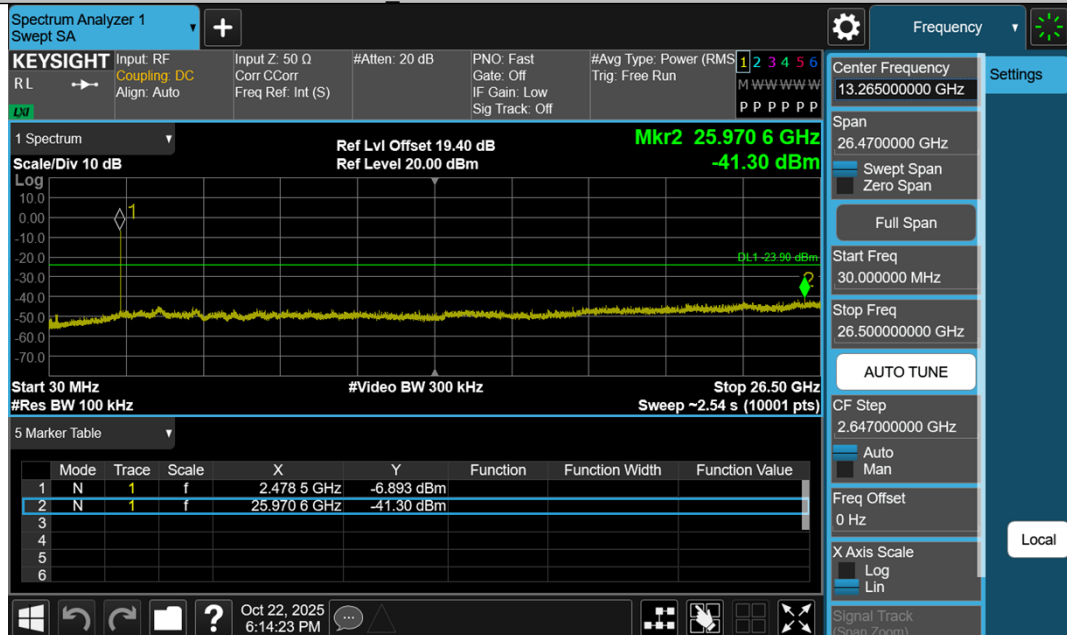
BLE_2M-Ant1-2402-30~26500-PASS



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 : 2025-10-29

Tested By : Wind Li

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

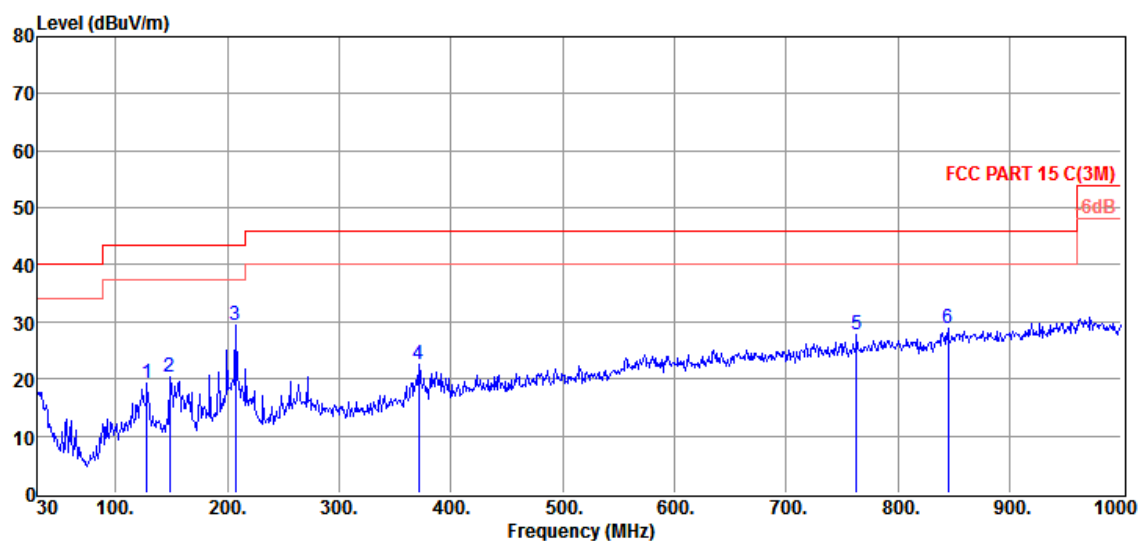
Test Mode : GFSK 1Mbps TX 2402MHz

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

Polarization : HORIZONTAL

Memo :

Data : 33



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	127.97	4.67	12.60	1.94	19.21	43.50	24.29	QP	HORIZONTAL
2	148.34	6.73	11.50	2.09	20.32	43.50	23.18	QP	HORIZONTAL
3	207.51	17.50	9.34	2.54	29.38	43.50	14.12	QP	HORIZONTAL
4	371.44	4.35	14.71	3.47	22.53	46.00	23.47	QP	HORIZONTAL
5	763.32	1.41	21.36	5.11	27.88	46.00	18.12	QP	HORIZONTAL
6	844.80	1.13	22.45	5.40	28.98	46.00	17.02	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 : 2025-10-29

Tested By : Wind Li

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

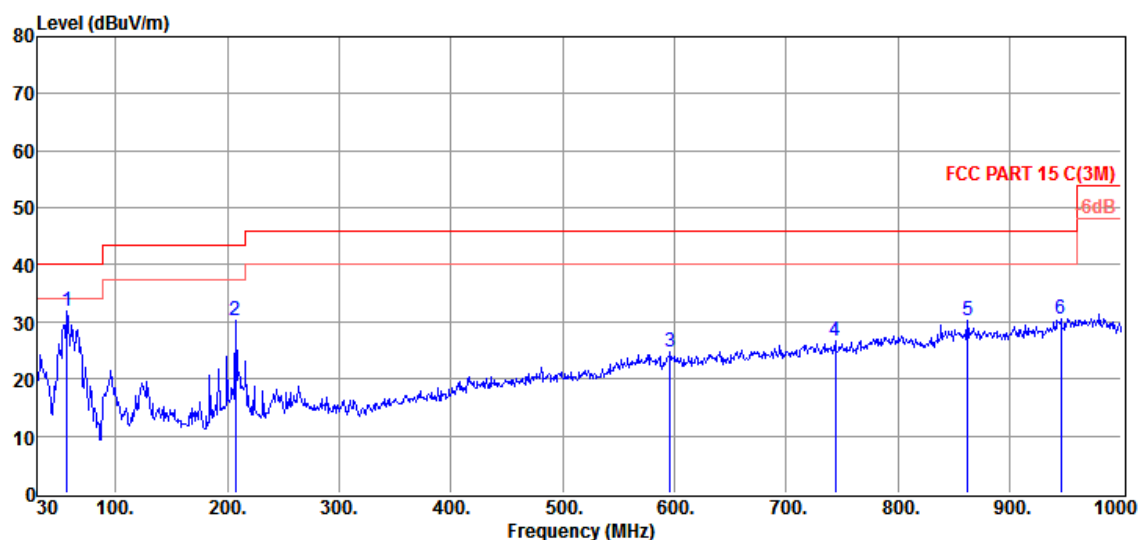
Test Mode : GFSK 1Mbps TX 2402MHz

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

Polarization : VERTICAL

Memo :

Data : 34



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	56.19	22.90	7.70	1.28	31.88	40.00	8.12	QP	VERTICAL
2	207.51	18.43	9.34	2.54	30.31	43.50	13.19	QP	VERTICAL
3	596.48	0.73	19.61	4.46	24.80	46.00	21.20	QP	VERTICAL
4	743.92	0.26	21.39	5.04	26.69	46.00	19.31	QP	VERTICAL
5	862.26	1.93	22.77	5.46	30.16	46.00	15.84	QP	VERTICAL
6	945.68	0.61	24.06	5.74	30.41	46.00	15.59	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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

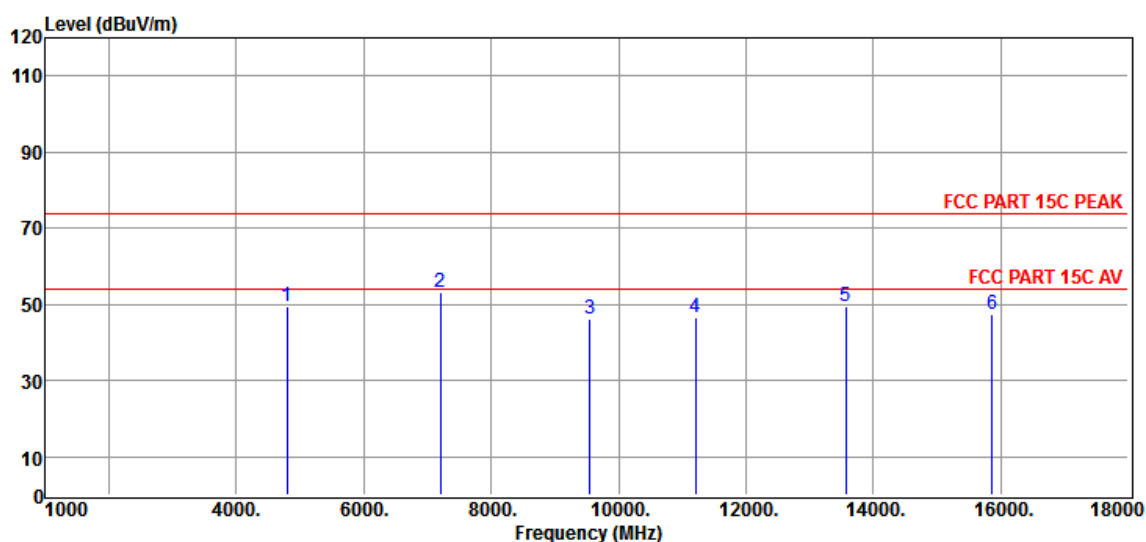
Test Mode : GFSK 1Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 46



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	4791.00	55.65	31.87	43.24	5.28	49.56	74.00	-24.44	Peak	HORIZONTAL
2	7205.00	52.77	37.10	43.36	6.70	53.21	74.00	-20.79	Peak	HORIZONTAL
3	9551.00	41.90	39.35	42.83	7.64	46.06	74.00	-27.94	Peak	HORIZONTAL
4	11200.00	39.91	39.54	41.80	8.80	46.45	74.00	-27.55	Peak	HORIZONTAL
5	13563.00	38.20	41.31	39.72	9.87	49.66	74.00	-24.34	Peak	HORIZONTAL
6	15858.00	39.43	38.90	42.63	11.53	47.23	74.00	-26.77	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

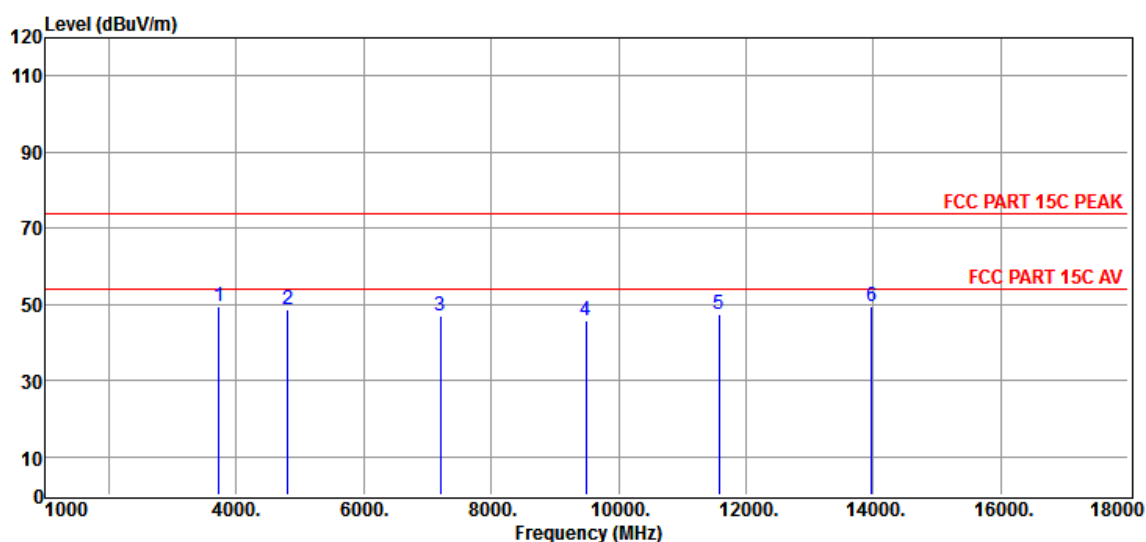
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 1Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 45



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	3720.00	58.84	29.58	43.40	4.63	49.65	74.00	-24.35	Peak	VERTICAL
2	4808.00	54.88	31.80	43.24	5.29	48.73	74.00	-25.27	Peak	VERTICAL
3	7205.00	46.70	37.10	43.36	6.70	47.14	74.00	-26.86	Peak	VERTICAL
4	9483.00	41.74	39.17	42.86	7.57	45.62	74.00	-28.38	Peak	VERTICAL
5	11574.00	40.09	39.80	41.42	8.86	47.33	74.00	-26.67	Peak	VERTICAL
6	13971.00	37.02	42.04	39.89	10.19	49.36	74.00	-24.64	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

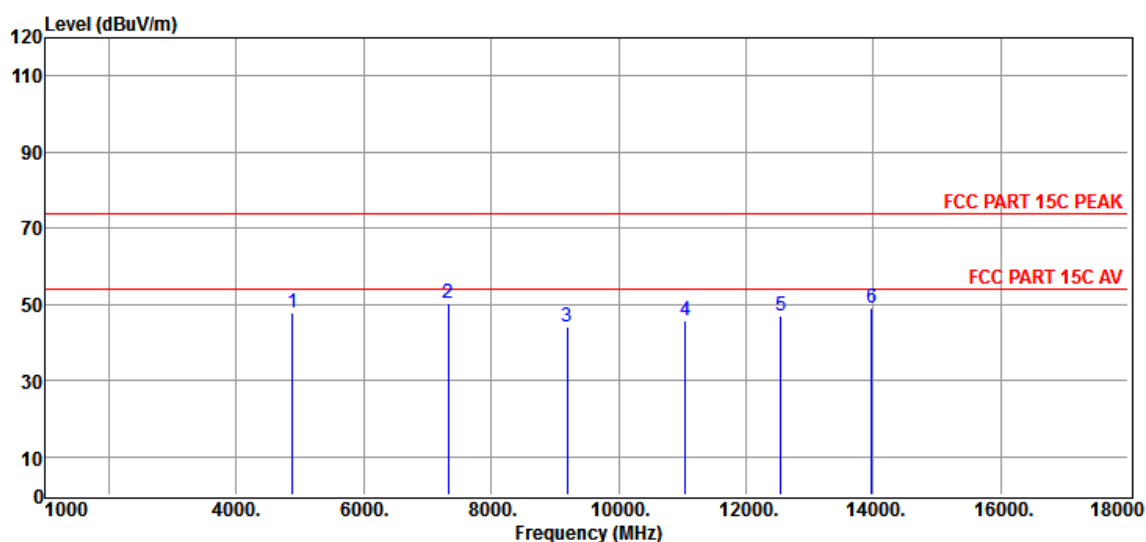
Test Mode : GFSK 1Mbps TX 2440MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 48



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	4876.00	53.75	31.80	43.22	5.33	47.66	74.00	-26.34	Peak	HORIZONTAL
2	7324.00	50.76	36.32	43.34	6.74	50.48	74.00	-23.52	Peak	HORIZONTAL
3	9194.00	40.64	39.00	42.94	7.26	43.96	74.00	-30.04	Peak	HORIZONTAL
4	11047.00	39.65	39.44	41.95	8.78	45.92	74.00	-28.08	Peak	HORIZONTAL
5	12543.00	37.81	40.21	40.19	9.20	47.03	74.00	-26.97	Peak	HORIZONTAL
6	13971.00	36.61	42.04	39.89	10.19	48.95	74.00	-25.05	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

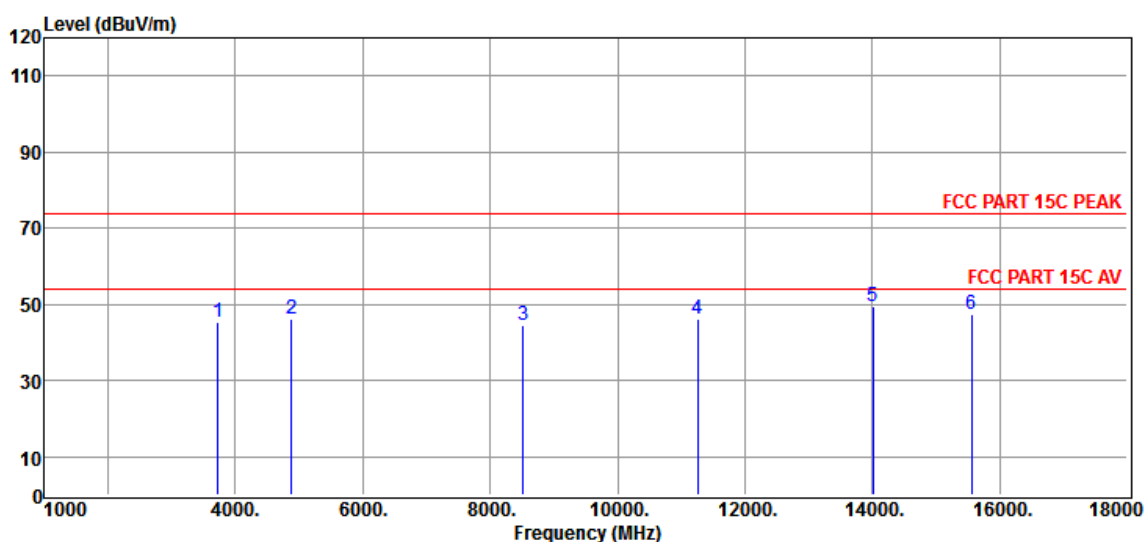
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 1Mbps TX 2440MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 47



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	3720.00	54.72	29.58	43.40	4.63	45.53	74.00	-28.47	Peak	VERTICAL
2	4876.00	52.34	31.80	43.22	5.33	46.25	74.00	-27.75	Peak	VERTICAL
3	8514.00	42.79	37.70	43.10	7.00	44.39	74.00	-29.61	Peak	VERTICAL
4	11251.00	39.58	39.58	41.75	8.81	46.22	74.00	-27.78	Peak	VERTICAL
5	14005.00	36.97	42.10	39.90	10.22	49.39	74.00	-24.61	Peak	VERTICAL
6	15552.00	39.25	39.11	42.48	11.35	47.23	74.00	-26.77	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

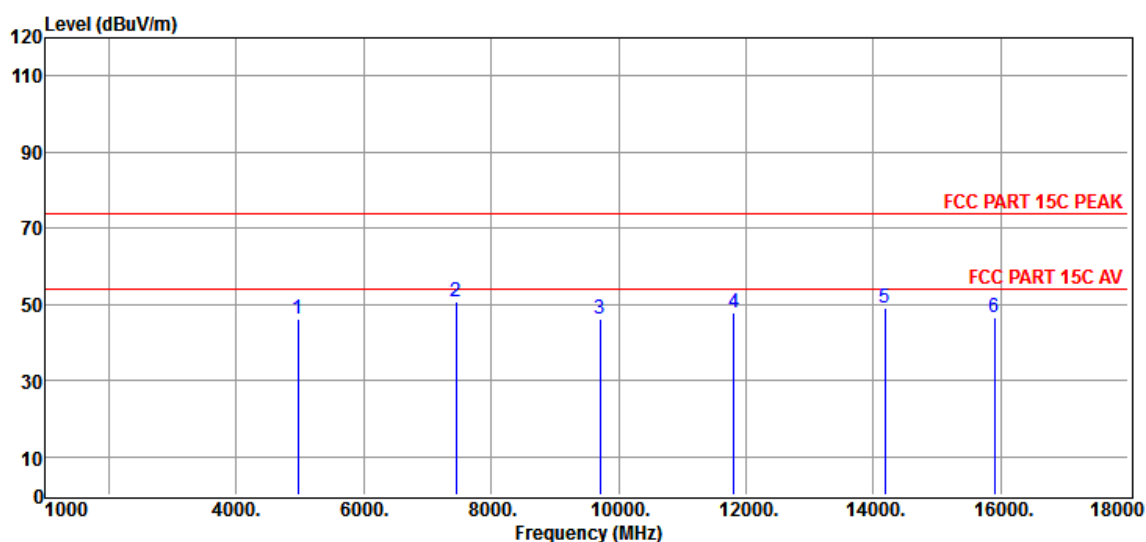
Test Mode : GFSK 1Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 50



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	4961.00	52.15	31.73	43.21	5.37	46.04	74.00	-27.96	Peak	HORIZONTAL
2	7443.00	50.51	36.85	43.31	6.77	50.82	74.00	-23.18	Peak	HORIZONTAL
3	9704.00	40.73	40.40	42.79	7.80	46.14	74.00	-27.86	Peak	HORIZONTAL
4	11812.00	40.21	39.97	41.19	8.89	47.88	74.00	-26.12	Peak	HORIZONTAL
5	14175.00	37.34	41.66	40.29	10.36	49.07	74.00	-24.93	Peak	HORIZONTAL
6	15892.00	38.89	38.87	42.65	11.55	46.66	74.00	-27.34	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

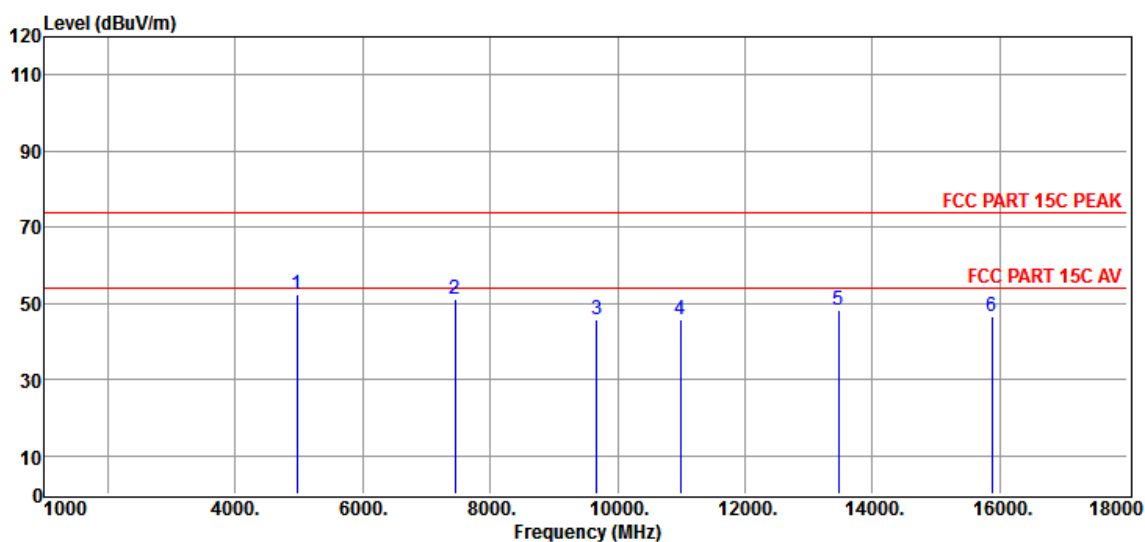
Test Mode : GFSK 1Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 49



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	4961.00	58.36	31.73	43.21	5.37	52.25	74.00	-21.75	Peak	VERTICAL
2	7443.00	50.85	36.85	43.31	6.77	51.16	74.00	-22.84	Peak	VERTICAL
3	9670.00	40.90	40.10	42.80	7.77	45.97	74.00	-28.03	Peak	VERTICAL
4	10979.00	39.78	39.40	42.01	8.76	45.93	74.00	-28.07	Peak	VERTICAL
5	13461.00	36.88	41.12	39.68	9.79	48.11	74.00	-25.89	Peak	VERTICAL
6	15875.00	38.94	38.88	42.64	11.54	46.72	74.00	-27.28	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

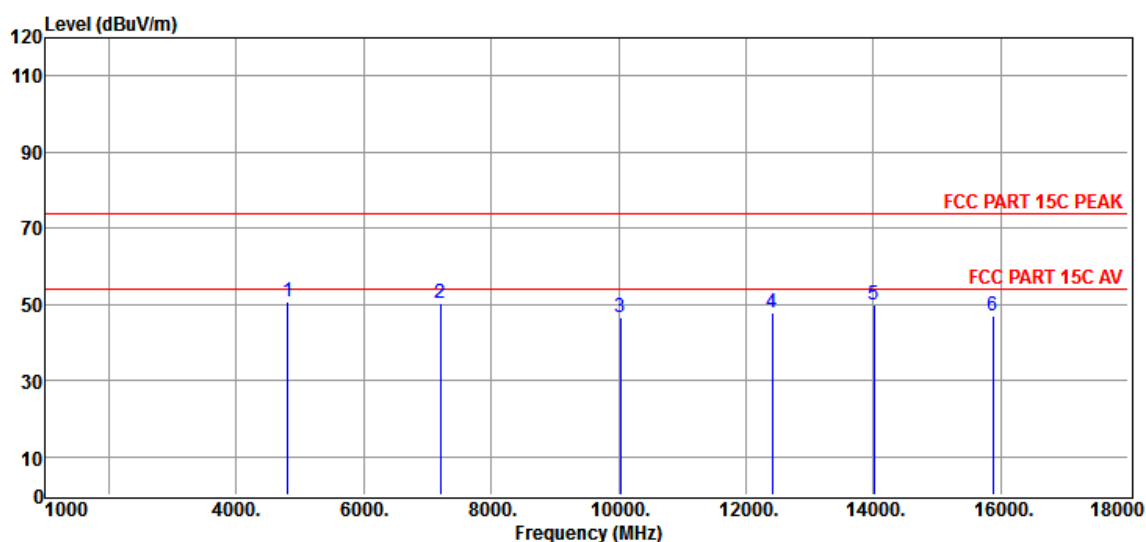
Test Mode : GFSK 2Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 51



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	4808.00	56.69	31.80	43.24	5.29	50.54	74.00	-23.46	Peak	HORIZONTAL
2	7205.00	49.79	37.10	43.36	6.70	50.23	74.00	-23.77	Peak	HORIZONTAL
3	10027.00	41.42	39.59	42.68	8.13	46.46	74.00	-27.54	Peak	HORIZONTAL
4	12407.00	38.91	40.18	40.39	9.13	47.83	74.00	-26.17	Peak	HORIZONTAL
5	14005.00	37.48	42.10	39.90	10.22	49.90	74.00	-24.10	Peak	HORIZONTAL
6	15875.00	39.27	38.88	42.64	11.54	47.05	74.00	-26.95	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

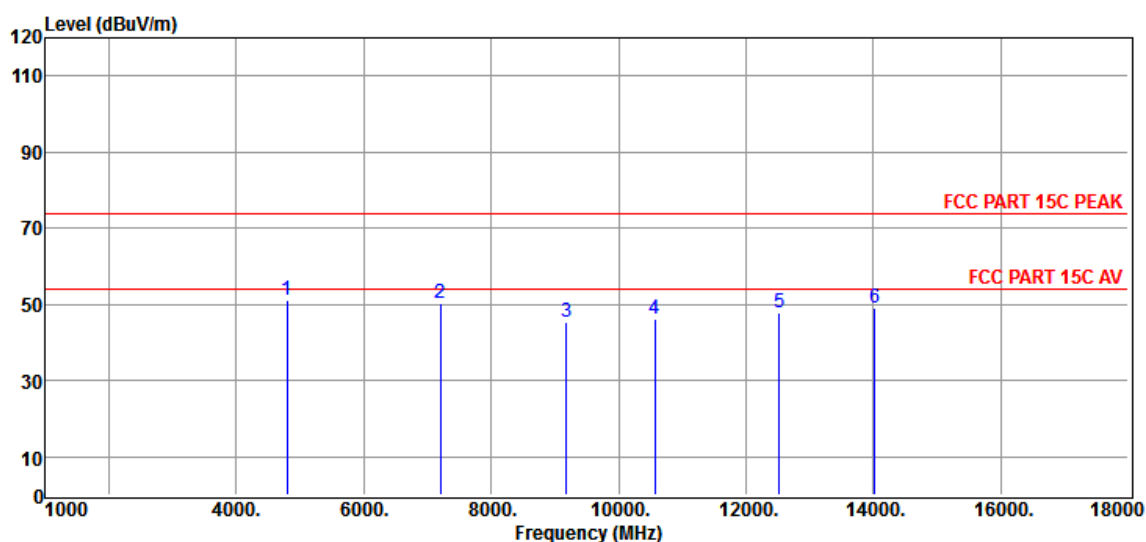
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 2Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 52



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	4791.00	57.09	31.87	43.24	5.28	51.00	74.00	-23.00	Peak	VERTICAL
2	7205.00	49.70	37.10	43.36	6.70	50.14	74.00	-23.86	Peak	VERTICAL
3	9177.00	41.99	38.92	42.95	7.24	45.20	74.00	-28.80	Peak	VERTICAL
4	10571.00	40.48	39.48	42.30	8.49	46.15	74.00	-27.85	Peak	VERTICAL
5	12526.00	38.55	40.21	40.21	9.19	47.74	74.00	-26.26	Peak	VERTICAL
6	14022.00	36.83	42.06	39.94	10.23	49.18	74.00	-24.82	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

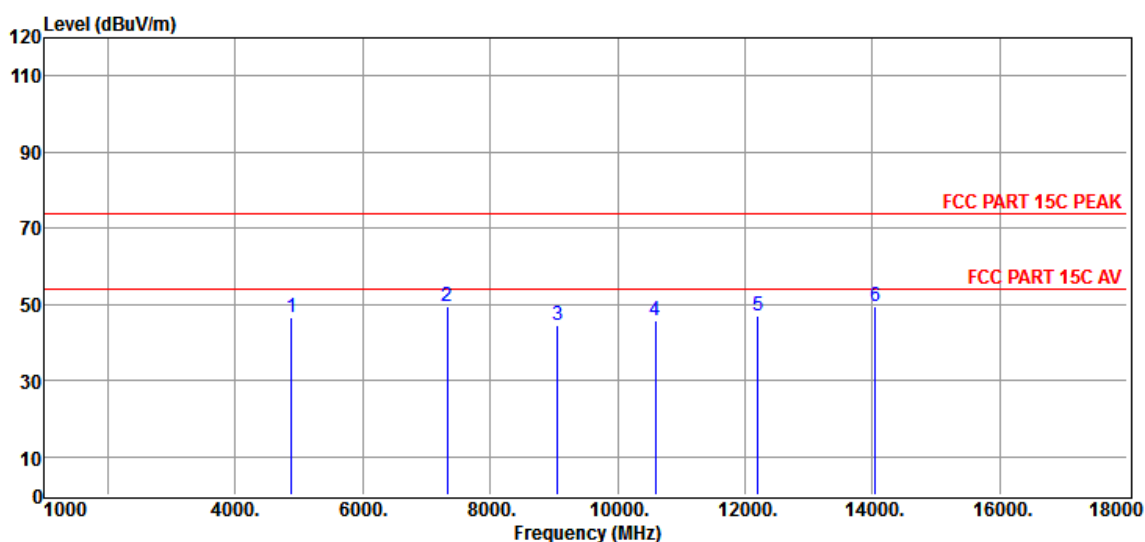
Test Mode : GFSK 2Mbps TX 2440MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 54



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	4876.00	52.82	31.80	43.22	5.33	46.73	74.00	-27.27	Peak	HORIZONTAL
2	7324.00	49.63	36.32	43.34	6.74	49.35	74.00	-24.65	Peak	HORIZONTAL
3	9058.00	41.92	38.42	42.98	7.11	44.47	74.00	-29.53	Peak	HORIZONTAL
4	10588.00	40.06	39.48	42.28	8.50	45.76	74.00	-28.24	Peak	HORIZONTAL
5	12203.00	38.57	40.14	40.69	9.02	47.04	74.00	-26.96	Peak	HORIZONTAL
6	14039.00	37.03	42.01	39.98	10.25	49.31	74.00	-24.69	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

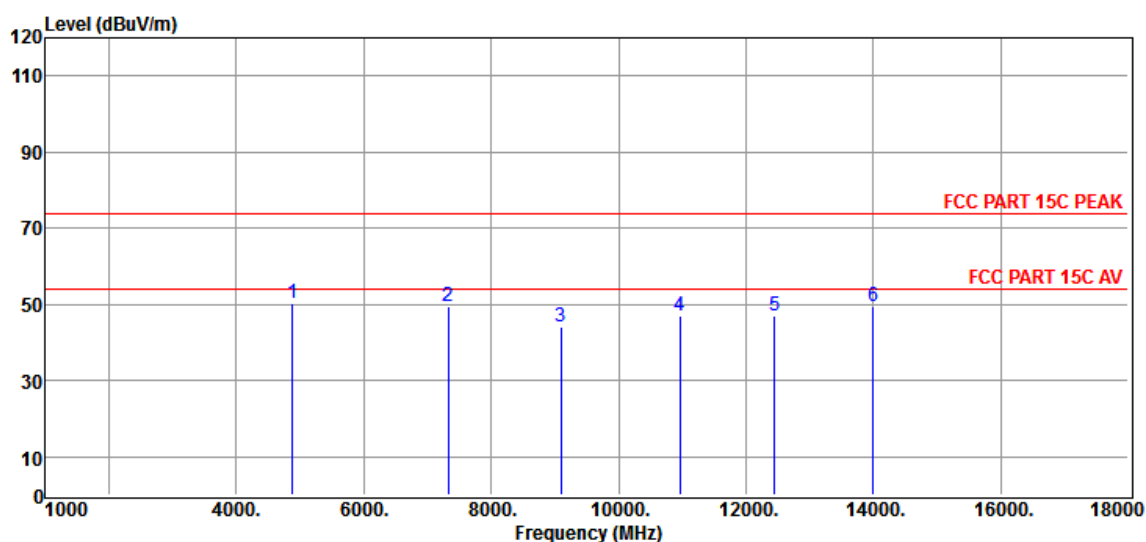
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 2Mbps TX 2440MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 53



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	4876.00	56.39	31.80	43.22	5.33	50.30	74.00	-23.70	Peak	VERTICAL
2	7324.00	49.59	36.32	43.34	6.74	49.31	74.00	-24.69	Peak	VERTICAL
3	9092.00	41.47	38.50	42.97	7.15	44.15	74.00	-29.85	Peak	VERTICAL
4	10962.00	40.81	39.41	42.02	8.75	46.95	74.00	-27.05	Peak	VERTICAL
5	12441.00	37.97	40.19	40.34	9.14	46.96	74.00	-27.04	Peak	VERTICAL
6	13988.00	37.28	42.07	39.89	10.21	49.67	74.00	-24.33	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

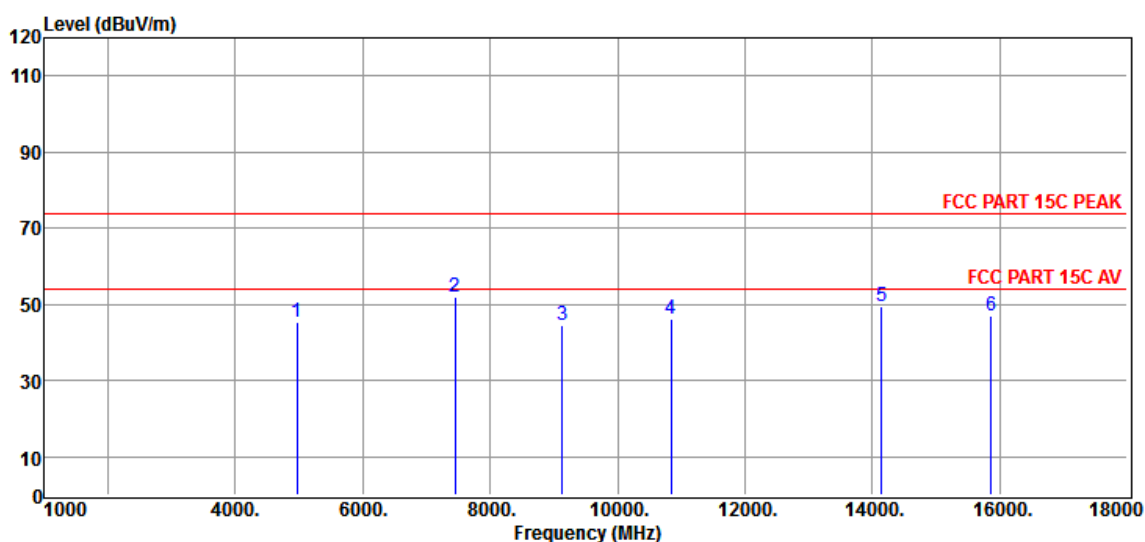
Test Mode : GFSK 2Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 55



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	4961.00	51.66	31.73	43.21	5.37	45.55	74.00	-28.45	Peak	HORIZONTAL
2	7443.00	51.44	36.85	43.31	6.77	51.75	74.00	-22.25	Peak	HORIZONTAL
3	9126.00	41.77	38.67	42.96	7.19	44.67	74.00	-29.33	Peak	HORIZONTAL
4	10843.00	40.05	39.43	42.11	8.67	46.04	74.00	-27.96	Peak	HORIZONTAL
5	14141.00	37.42	41.75	40.21	10.33	49.29	74.00	-24.71	Peak	HORIZONTAL
6	15858.00	39.10	38.90	42.63	11.53	46.90	74.00	-27.10	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

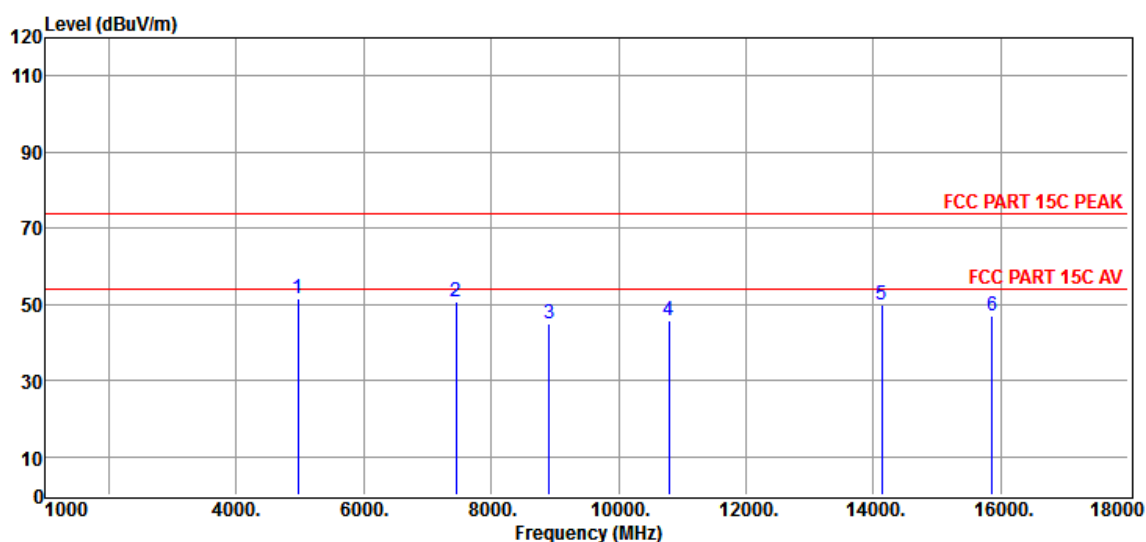
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 2Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 56



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	4961.00	57.72	31.73	43.21	5.37	51.61	74.00	-22.39	Peak	VERTICAL
2	7443.00	50.23	36.85	43.31	6.77	50.54	74.00	-23.46	Peak	VERTICAL
3	8905.00	41.95	39.00	43.02	7.05	44.98	74.00	-29.02	Peak	VERTICAL
4	10792.00	39.78	39.44	42.14	8.64	45.72	74.00	-28.28	Peak	VERTICAL
5	14124.00	38.14	41.79	40.17	10.32	50.08	74.00	-23.92	Peak	VERTICAL
6	15858.00	39.17	38.90	42.63	11.53	46.97	74.00	-27.03	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

Test Site : site

Test Date : 2025-10-23 **Tested By** : Aron Zhang

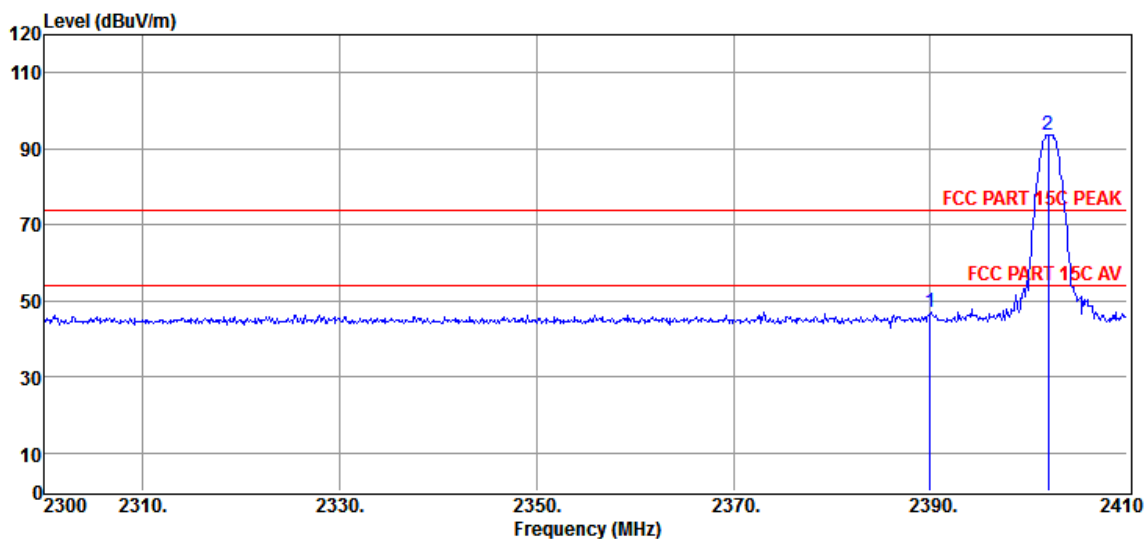
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 1Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/HORIZONTAL

Memo :

Data : 57



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	60.04	27.60	44.13	3.49	47.00	74.00	-27.00	Peak	HORIZONTAL
2	2401.97	106.74	27.60	44.13	3.49	93.70	74.00	19.70	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

EUT : Sleep control box

Power Supply : DC 29V

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

Memo :

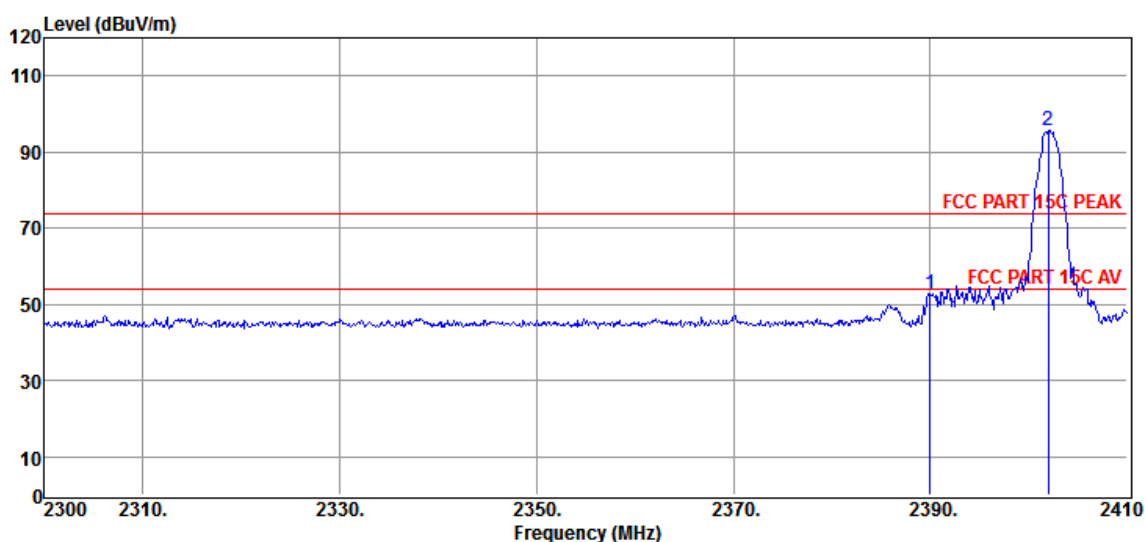
Tested By : Aron Zhang

Model Number : FP2604

Test Mode : GFSK 1Mbps TX 2402MHz

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

Data : 58



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	66.01	27.60	44.13	3.49	52.97	74.00	-21.03	Peak	VERTICAL
2	2401.97	108.84	27.60	44.13	3.49	95.80	74.00	21.80	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

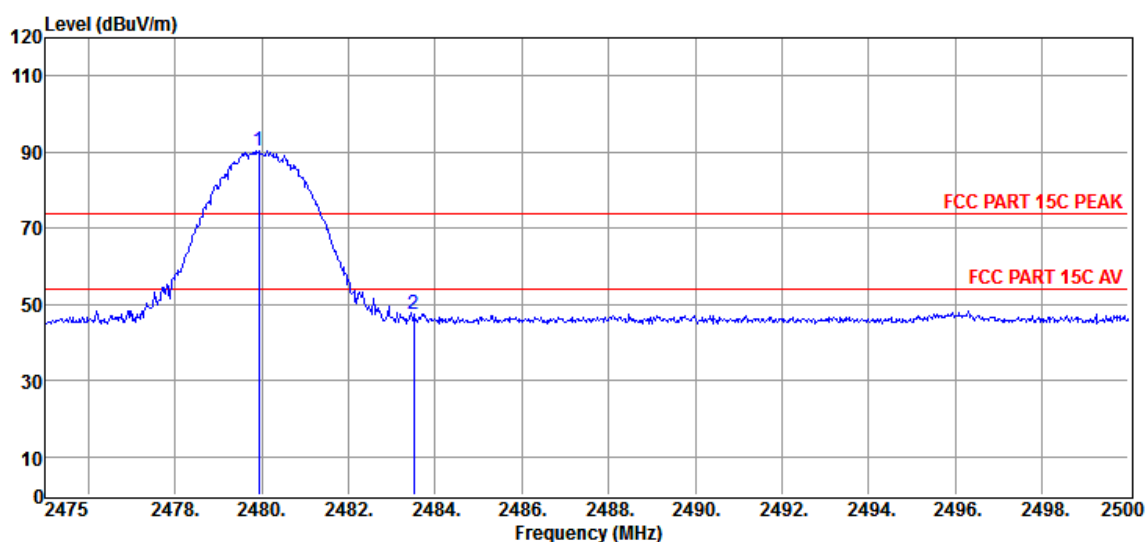
Test Mode : GFSK 1Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 60



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	2479.93	102.90	27.93	44.03	3.57	90.37	74.00	16.37	Peak	HORIZONTAL
2	2483.50	60.12	27.93	44.03	3.57	47.59	74.00	-26.41	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

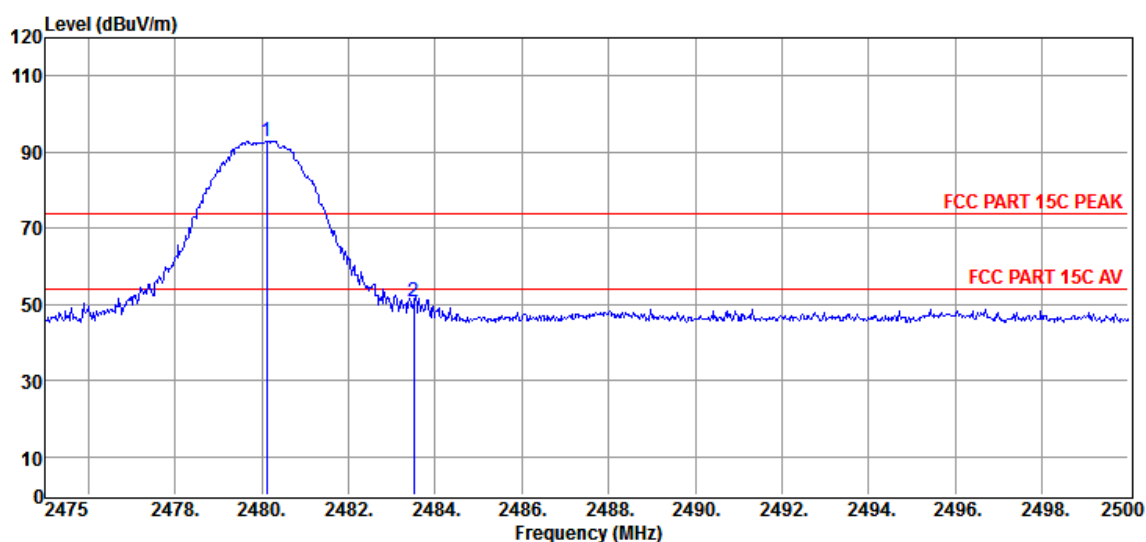
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 1Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 59



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	2480.10	105.41	27.93	44.03	3.57	92.88	74.00	18.88	Peak	VERTICAL
2	2483.50	63.38	27.93	44.03	3.57	50.85	74.00	-23.15	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

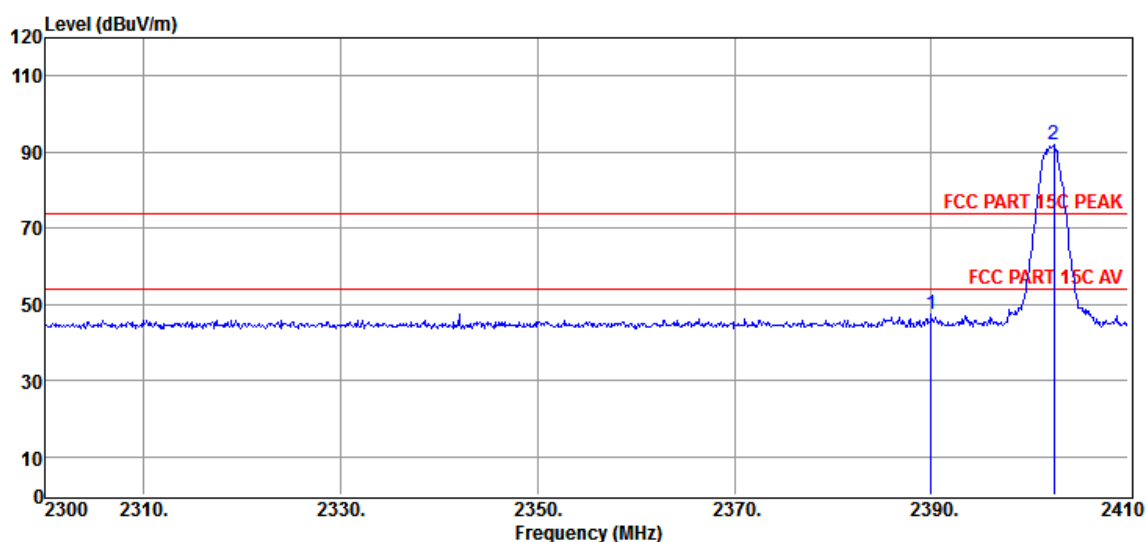
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 2Mbps TX 2402MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/HORIZONTAL

Memo :

Data : 62



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	60.40	27.60	44.13	3.49	47.36	74.00	-26.64	Peak	HORIZONTAL
2	2402.41	104.89	27.60	44.13	3.49	91.85	74.00	17.85	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

EUT : Sleep control box

Power Supply : DC 29V

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

Memo :

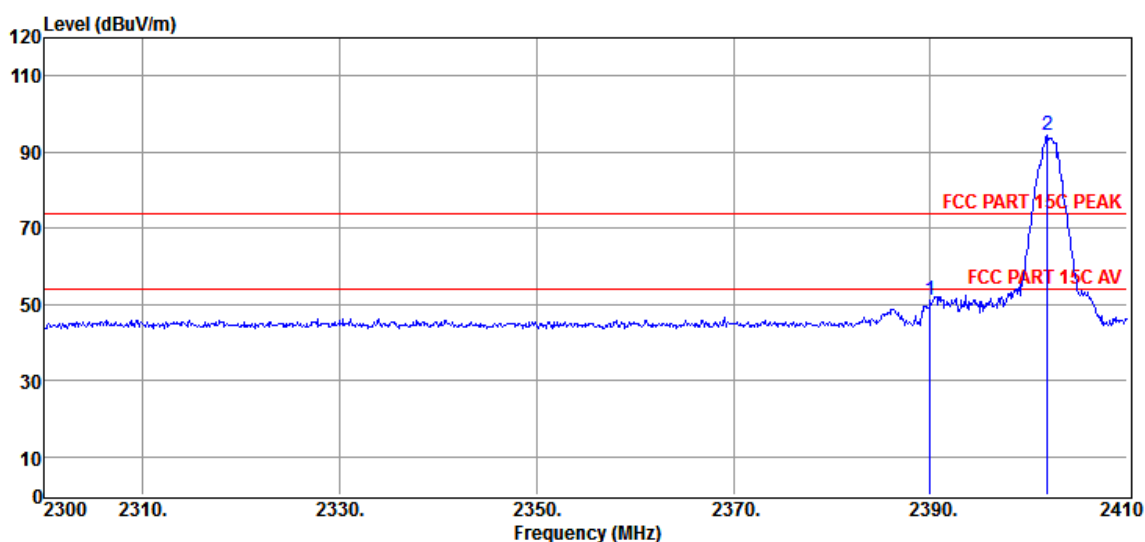
Tested By : Aron Zhang

Model Number : FP2604

Test Mode : GFSK 2Mbps TX 2402MHz

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

Data : 61



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	64.08	27.60	44.13	3.49	51.04	74.00	-22.96	Peak	VERTICAL
2	2401.86	107.28	27.60	44.13	3.49	94.24	74.00	20.24	Peak	VERTICAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23

Tested By : Aron Zhang

EUT : Sleep control box

Model Number : FP2604

Power Supply : DC 29V

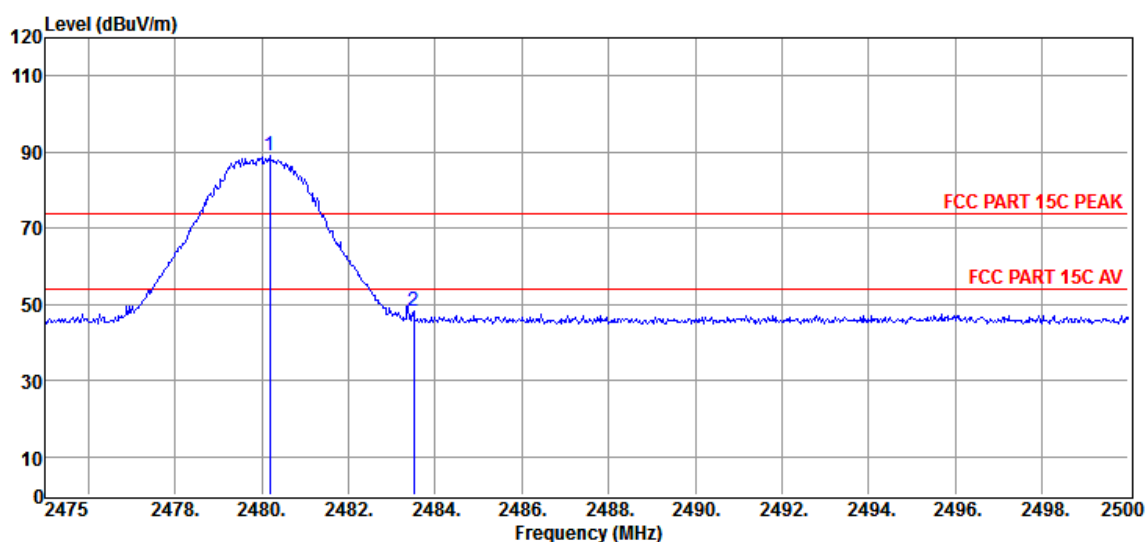
Test Mode : GFSK 2Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa

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

Memo :

Data : 63



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	2480.18	101.66	27.93	44.03	3.57	89.13	74.00	15.13	Peak	HORIZONTAL
2	2483.50	60.70	27.93	44.03	3.57	48.17	74.00	-25.83	Peak	HORIZONTAL

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

Test Site : 5# 966 Chamber

Test Date : 2025-10-23 **Tested By** : Aron Zhang

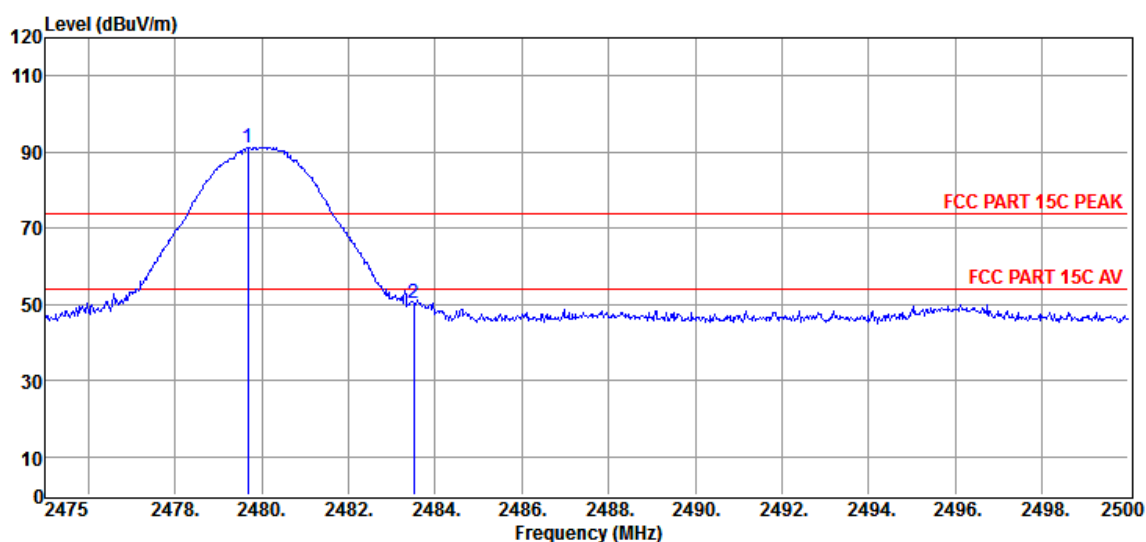
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V **Test Mode** : GFSK 2Mbps TX 2480MHz

Condition : Temp:19.5°C;Humi:50%;Press:101.55kPa **Antenna/Distance** : 9120D-1002 1-18G/3m/VERTICAL

Memo :

Data : 64



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	2479.68	103.65	27.93	44.03	3.57	91.12	74.00	17.12	Peak	VERTICAL
2	2483.50	62.89	27.93	44.03	3.57	50.36	74.00	-23.64	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

Test Site : 3#CE Shield Room

Test Date : 2025-10-30 **Tested By** : Wind Li

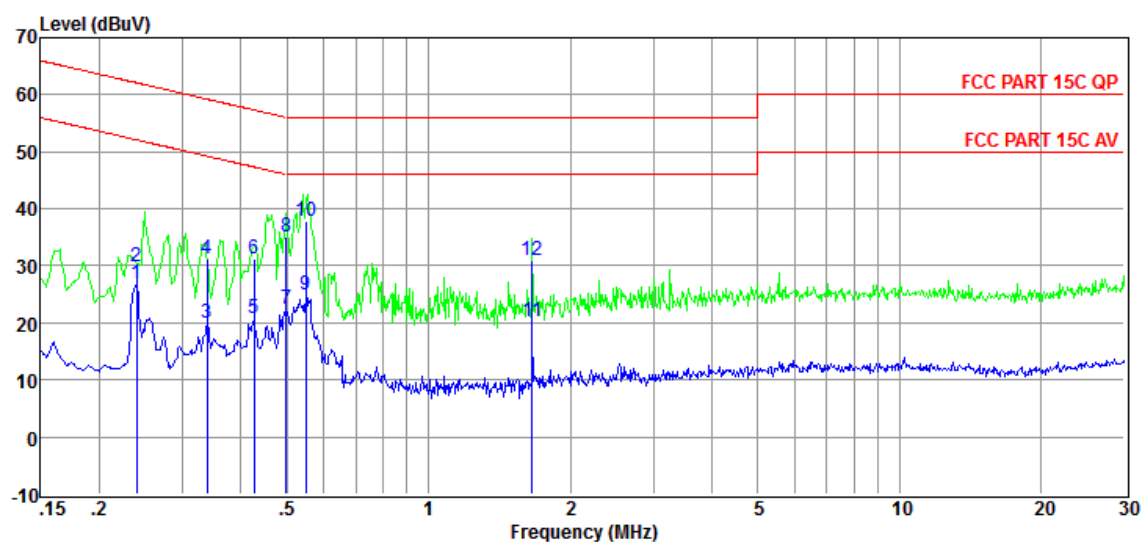
EUT : Sleep control box **Model Number** : FP2604

Power Supply : DC 29V From Adapter Input AC 120V/60Hz **Test Mode** : GFSK 1Mbps TX 2440MHz

Condition : Temp:24.2°C;Humi:58%;Press:101.1kPa **LISN** : LINE

Memo :

Data : 8



Item (Mark)	Freq (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss dB	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector
1	0.24	7.24	9.88	9.84	26.96	52.08	-25.12	Average
2	0.24	10.23	9.88	9.84	29.95	62.08	-32.13	QP
3	0.34	0.25	9.83	9.84	19.92	49.22	-29.30	Average
4	0.34	11.57	9.83	9.84	31.24	59.22	-27.98	QP
5	0.43	1.03	9.80	9.84	20.67	47.33	-26.66	Average
6	0.43	11.57	9.80	9.84	31.21	57.33	-26.12	QP
7	0.50	2.82	9.76	9.84	22.42	46.01	-23.59	Average
8	0.50	15.53	9.76	9.84	35.13	56.01	-20.88	QP
9	0.55	5.42	9.77	9.84	25.03	46.00	-20.97	Average
10	0.55	18.27	9.77	9.84	37.88	56.00	-18.12	QP
11	1.66	0.72	9.69	9.84	20.25	46.00	-25.75	Average
12	1.66	11.57	9.69	9.84	31.10	56.00	-24.90	QP

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

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

Test Site : 3#CE Shield Room

Test Date : 2025-10-30

Tested By : Wind Li

EUT : Sleep control box

Model Number : FP2604

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

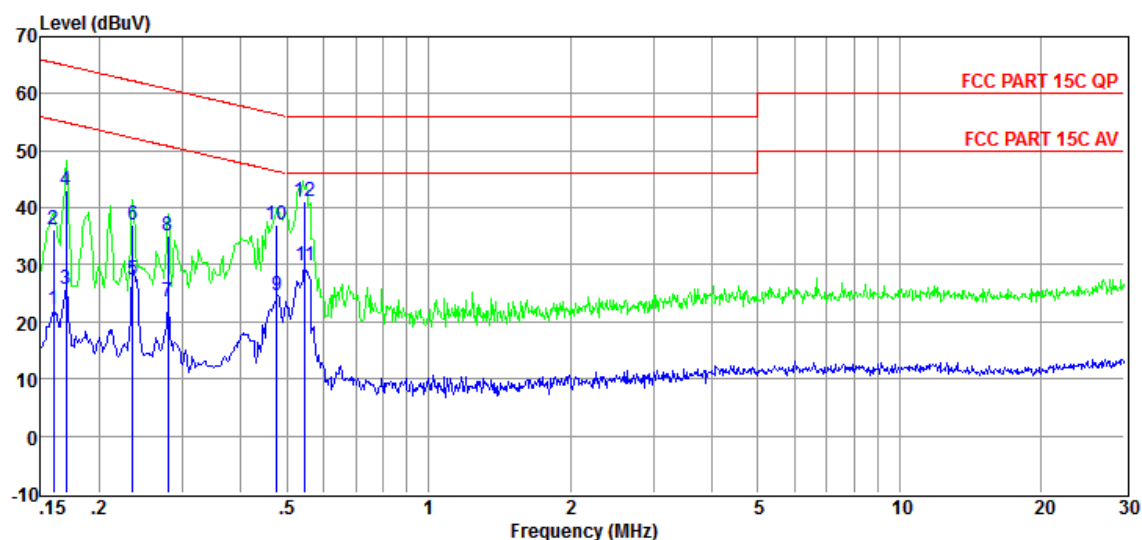
Test Mode : GFSK 1Mbps TX 2440MHz

Condition : Temp:24.2°C;Humi:58%;Press:101
.1kPa

LISN : NEUTRAL

Memo :

Data : 6



Item (Mark)	Freq (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss dB	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector
1	0.16	2.48	9.96	9.84	22.28	55.47	-33.19	Average
2	0.16	16.52	9.96	9.84	36.32	65.47	-29.15	QP
3	0.17	5.98	9.96	9.84	25.78	54.94	-29.16	Average
4	0.17	23.26	9.96	9.84	43.06	64.94	-21.88	QP
5	0.24	7.63	9.94	9.84	27.41	52.26	-24.85	Average
6	0.24	17.27	9.94	9.84	37.05	62.26	-25.21	QP
7	0.28	3.73	9.96	9.84	23.53	50.81	-27.28	Average
8	0.28	15.28	9.96	9.84	35.08	60.81	-25.73	QP
9	0.48	4.78	9.94	9.84	24.56	46.41	-21.85	Average
10	0.48	17.23	9.94	9.84	37.01	56.41	-19.40	QP
11	0.55	10.15	9.81	9.84	29.80	46.00	-16.20	Average
12	0.55	21.57	9.81	9.84	41.22	56.00	-14.78	QP

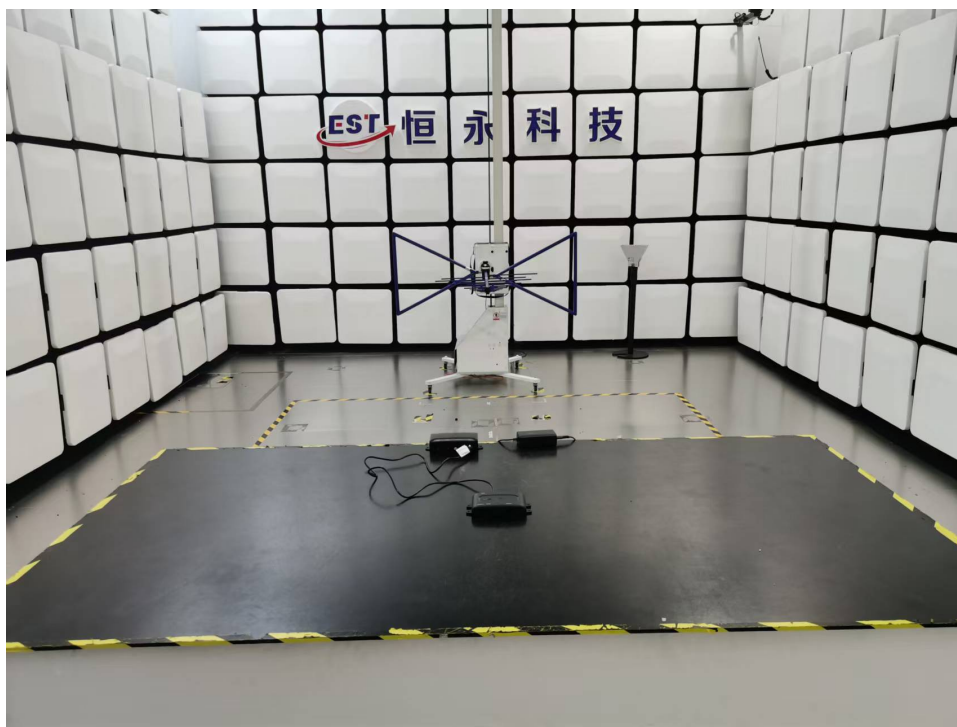
Note: 1. Result Level = Read Level + LISN Factor + Cable loss

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

Appendix B: Photographs of the Test Set-Up

APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP	1
PHOTOGRAPH 1: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 30MHz - 1GHz	2
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

