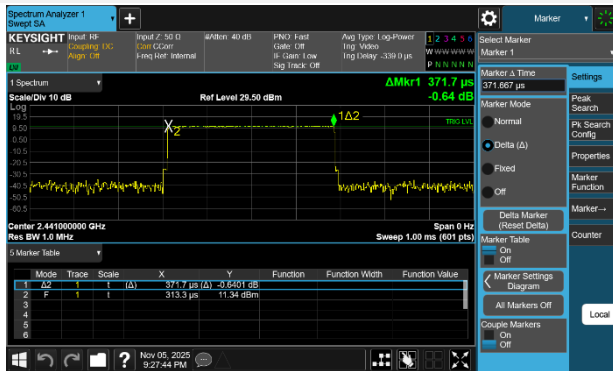
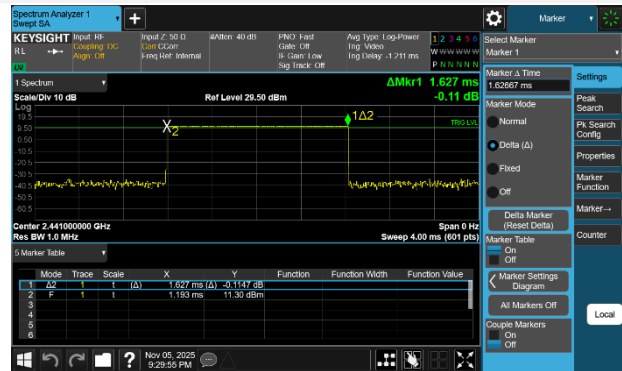


Test Plots

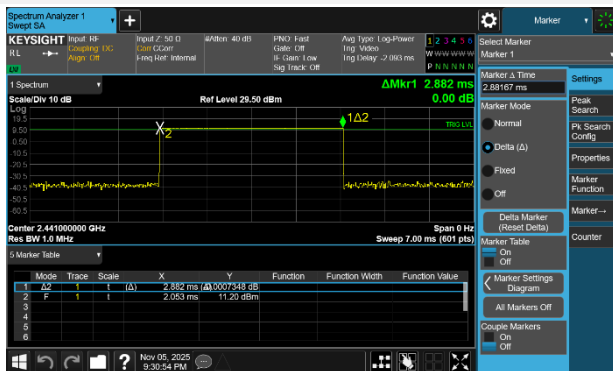
GFSK DH1



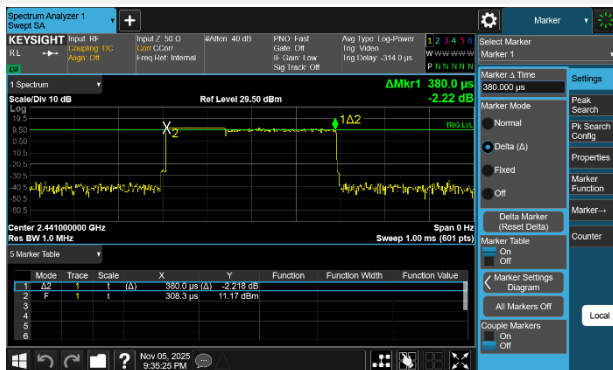
GFSK DH3



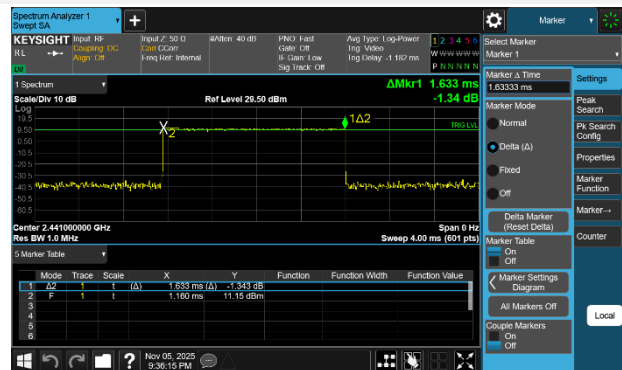
GFSK DH5



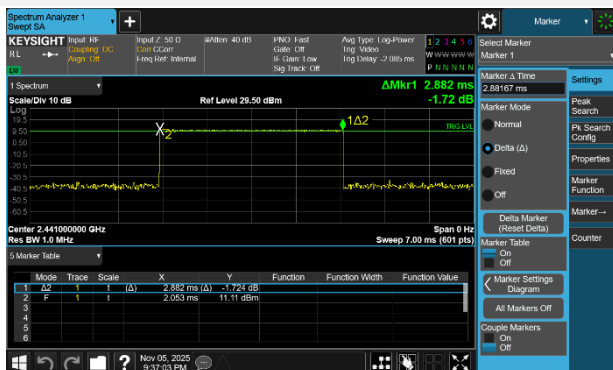
8-DPSK DH1



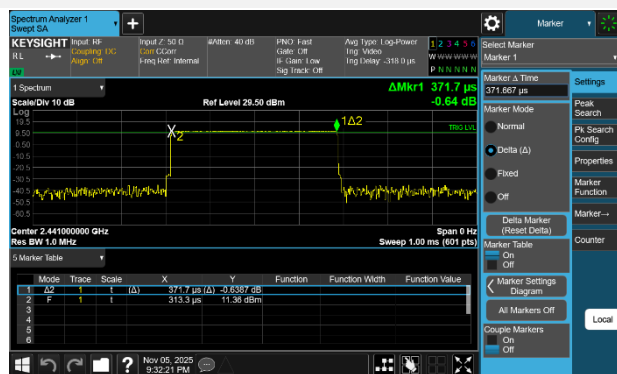
8-DPSK DH3



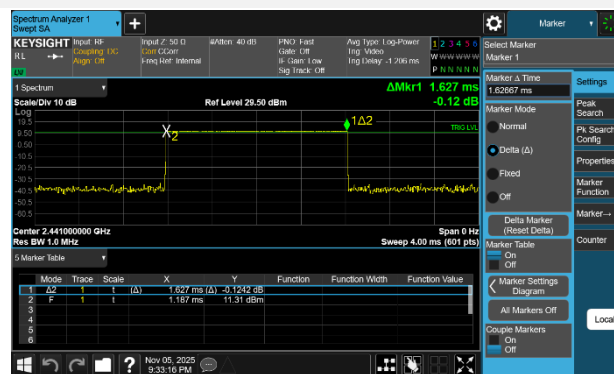
8-DPSK DH5



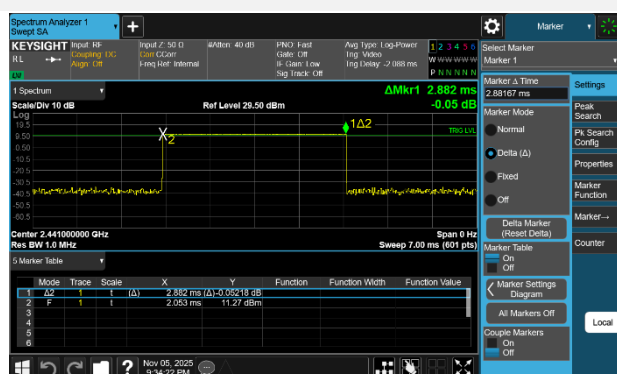
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.41	9.90	-10.10	Pass
Middle	-35.94	10.78	-9.22	Pass
High	-37.00	7.68	-12.32	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.42	9.96	-10.04	Pass
Middle	-36.40	10.65	-9.35	Pass
High	-35.99	9.31	-10.69	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-36.47	11.38	-8.62	Pass
8-DPSK	-36.31	10.66	-9.34	Pass

Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL



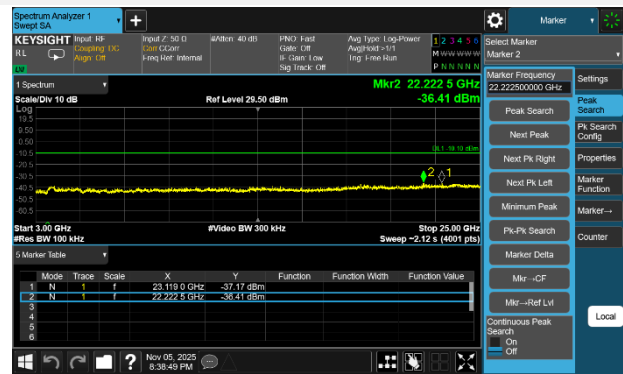
GFSK LOW CHANNEL, BAND EDGE



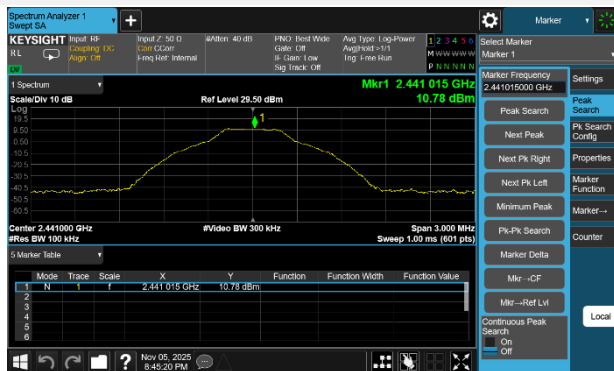
GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



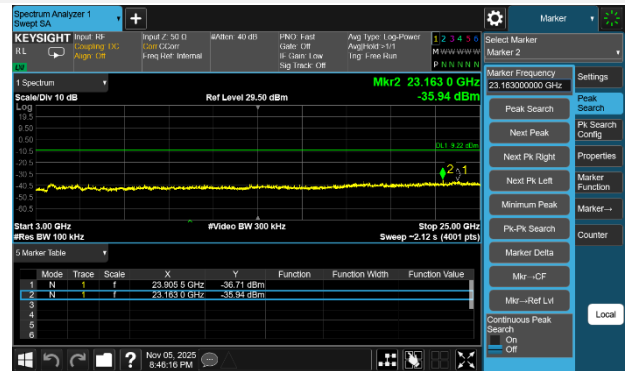
GFSK MIDDLE CHANNEL, CARRIER LEVEL



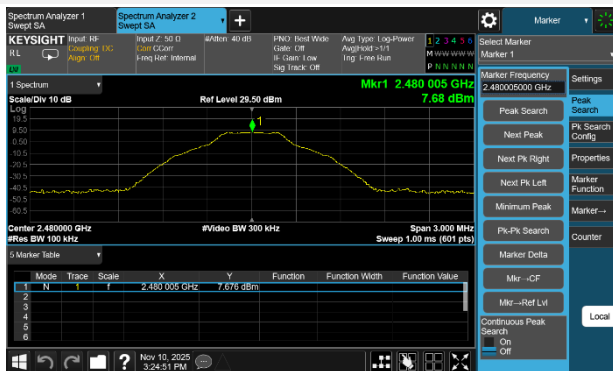
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



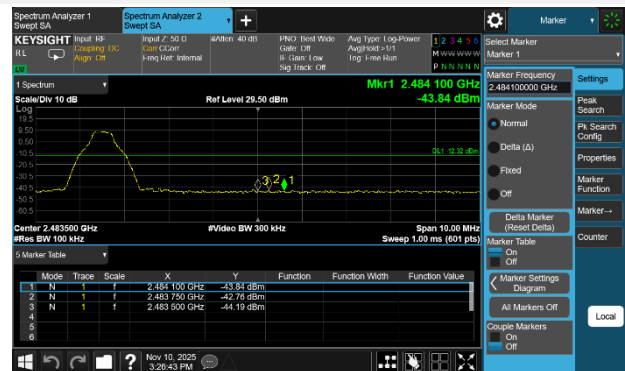
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



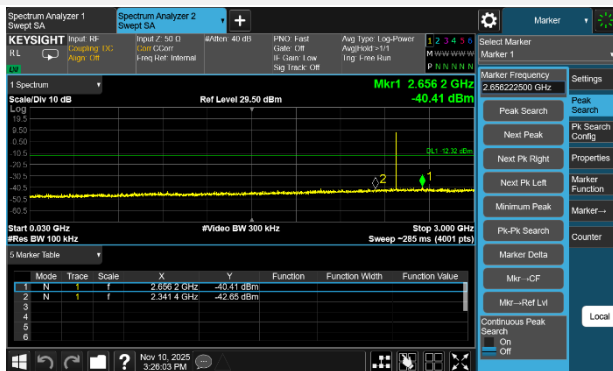
GFSK HIGH CHANNEL, CARRIER LEVEL



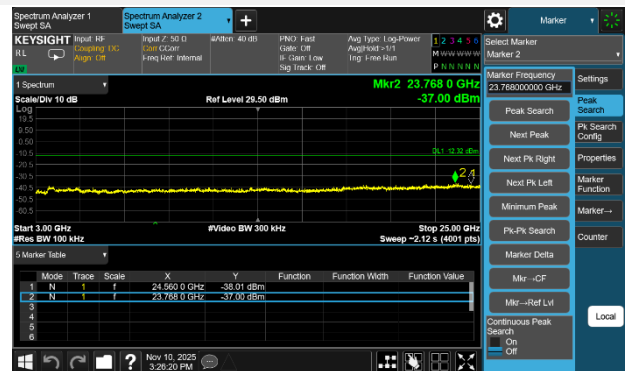
GFSK HIGH CHANNEL, BAND EDGE



GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL



8-DPSK LOW CHANNEL, BAND EDGE

8-DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz8-DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



8-DPSK HIGH CHANNEL, CARRIER LEVEL



8-DPSK HIGH CHANNEL, BAND EDGE



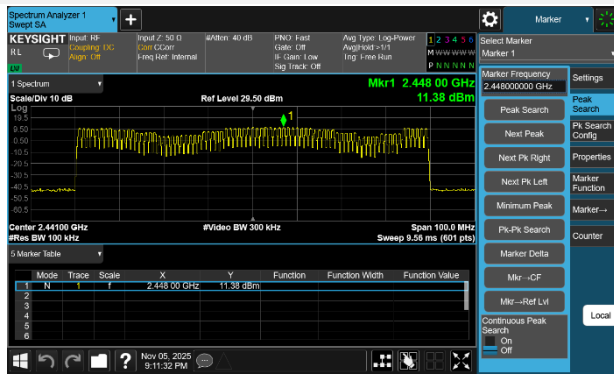
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



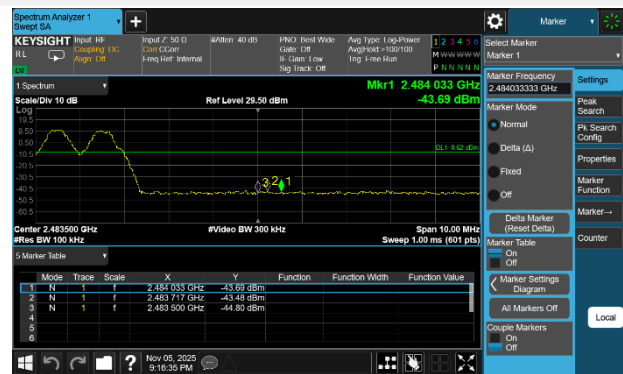
GFSK HOPPING, CARRIER LEVEL



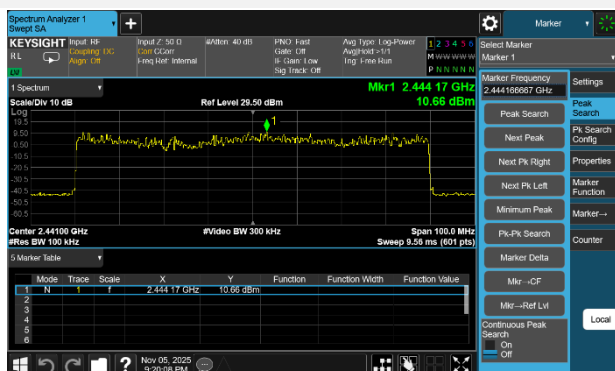
GFSK HOPPING BAND EDGE (LOW)



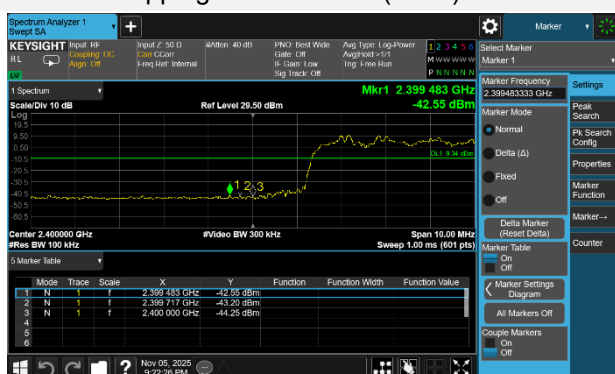
GFSK HOPPING BAND EDGE (HIGH)

GFSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHzGFSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

8-DPSK HOPPING, CARRIER LEVEL



8-DPSK Hopping BAND EDGE (LOW)



8-DPSK Hopping BAND EDGE (HIGH)

8-DPSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHz8-DPSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

A.7 Conducted Emission

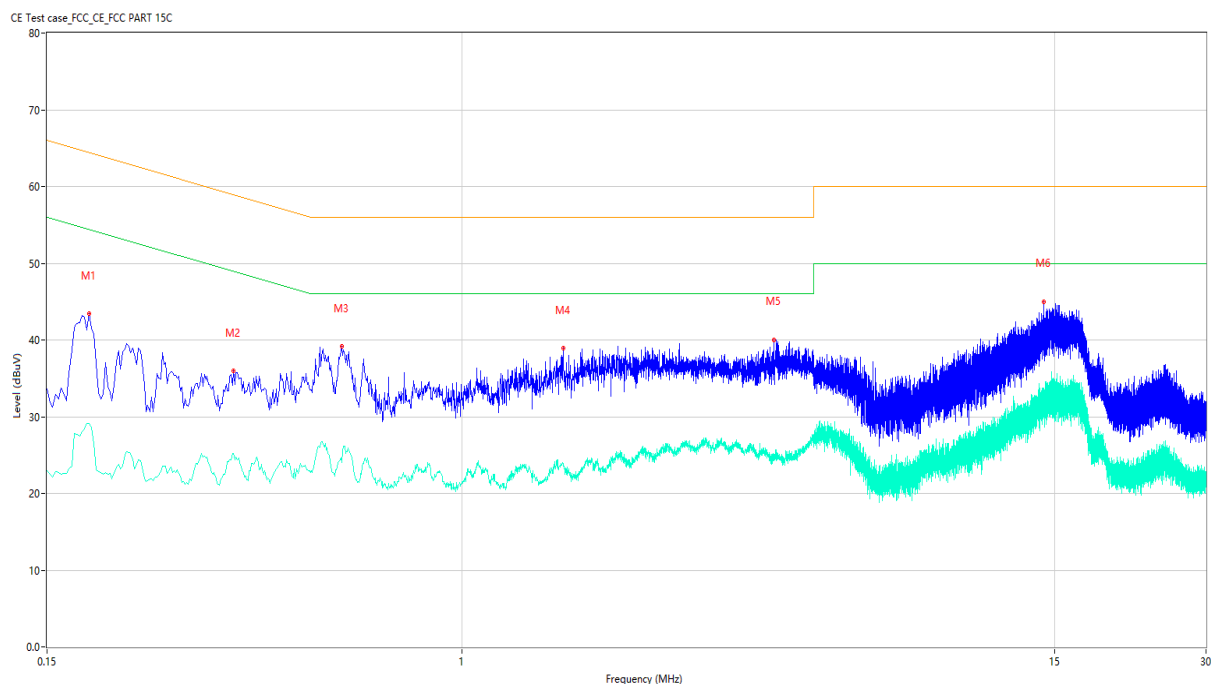
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note 3: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

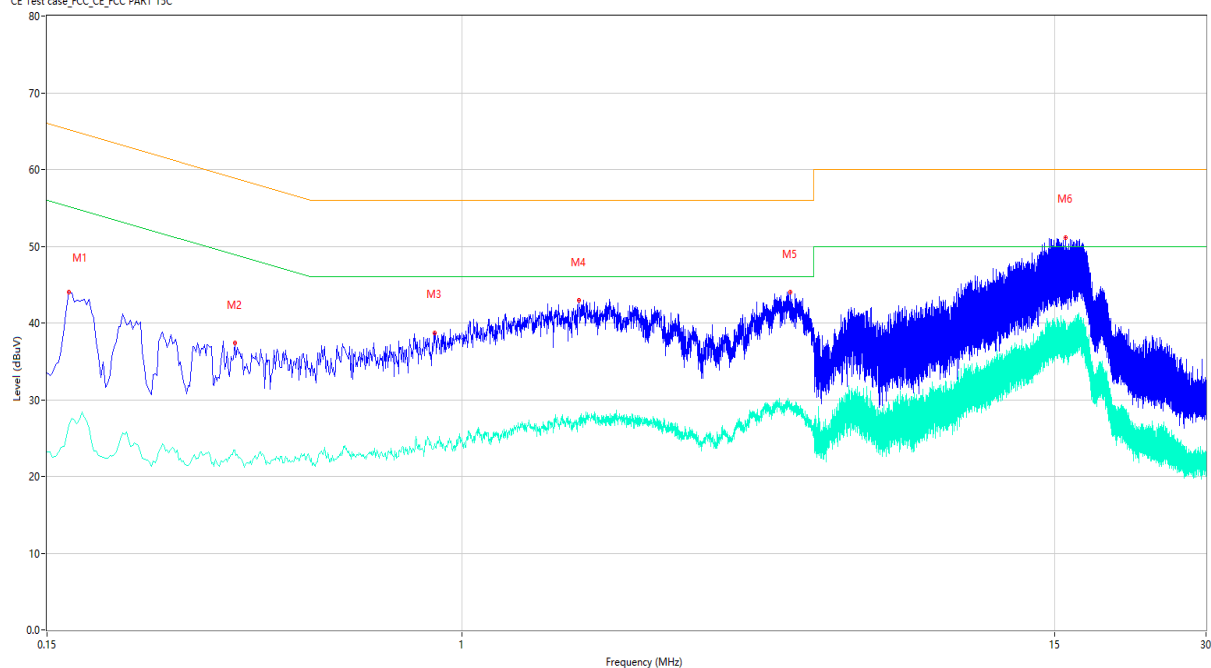
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.182	43.39	10.09	64.39	21.00	Peak	L	Pass
1**	0.182	29.13	10.09	54.39	25.26	AV	L	Pass
2	0.352	35.96	10.13	58.92	22.96	Peak	L	Pass
2**	0.352	25.17	10.13	48.92	23.75	AV	L	Pass
3	0.578	39.16	10.18	56.00	16.84	Peak	L	Pass
3**	0.578	24.03	10.18	46.00	21.97	AV	L	Pass
4	1.588	38.91	10.28	56.00	17.09	Peak	L	Pass
4**	1.588	23.76	10.28	46.00	22.24	AV	L	Pass
5	4.158	40.05	10.42	56.00	15.95	Peak	L	Pass
5**	4.158	25.06	10.42	46.00	20.94	AV	L	Pass
6	14.310	45.00	11.15	60.00	15.00	Peak	L	Pass
6**	14.310	30.64	11.15	50.00	19.36	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.166	44.03	10.15	65.16	21.13	Peak	N	Pass
1**	0.166	26.64	10.15	55.16	28.52	AV	N	Pass
2	0.354	37.34	10.16	58.87	21.53	Peak	N	Pass
2**	0.354	23.44	10.16	48.87	25.43	AV	N	Pass
3	0.884	38.75	10.23	56.00	17.25	Peak	N	Pass
3**	0.884	24.23	10.23	46.00	21.77	AV	N	Pass
4	1.706	42.96	10.24	56.00	13.04	Peak	N	Pass
4**	1.706	27.11	10.24	46.00	18.89	AV	N	Pass
5	4.490	44.02	10.41	56.00	11.98	Peak	N	Pass
5**	4.490	28.95	10.41	46.00	17.05	AV	N	Pass
6	15.772	51.16	11.17	60.00	8.84	Peak	N	Pass
6**	15.772	39.06	11.17	50.00	10.94	AV	N	Pass

A.8 Radiated Spurious Emission

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested.

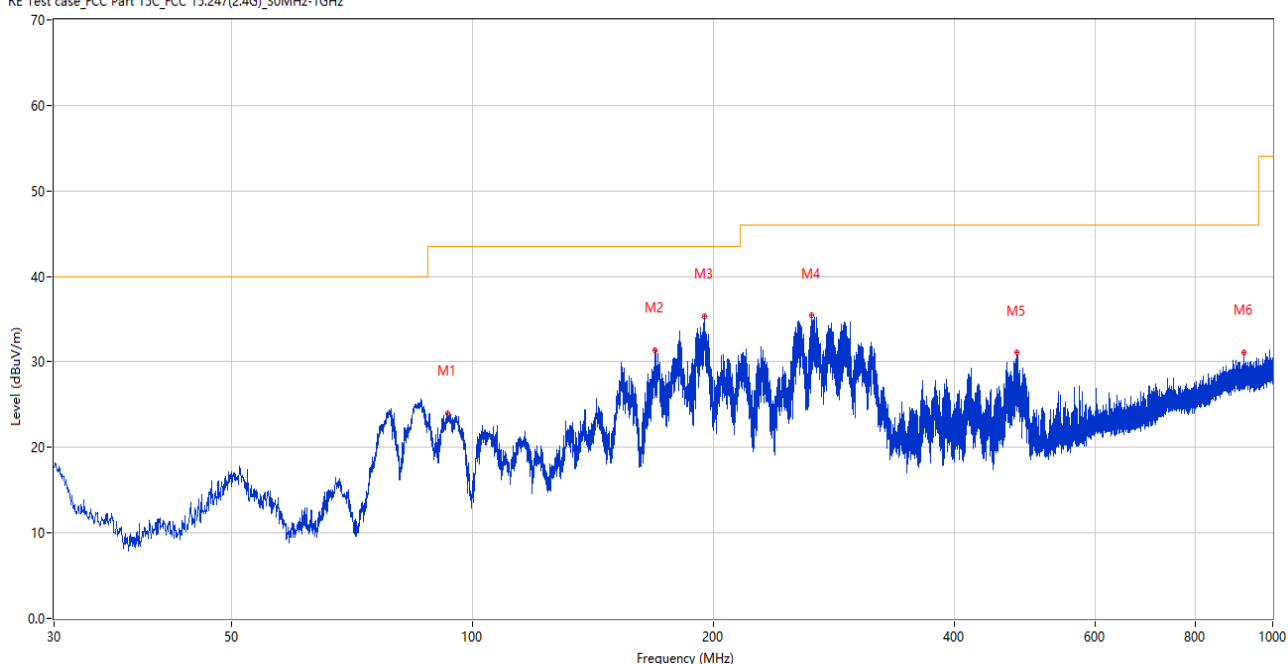
Note 4: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Note 5: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Test Data and Plots

30 MHz to 1 GHz, ANT H

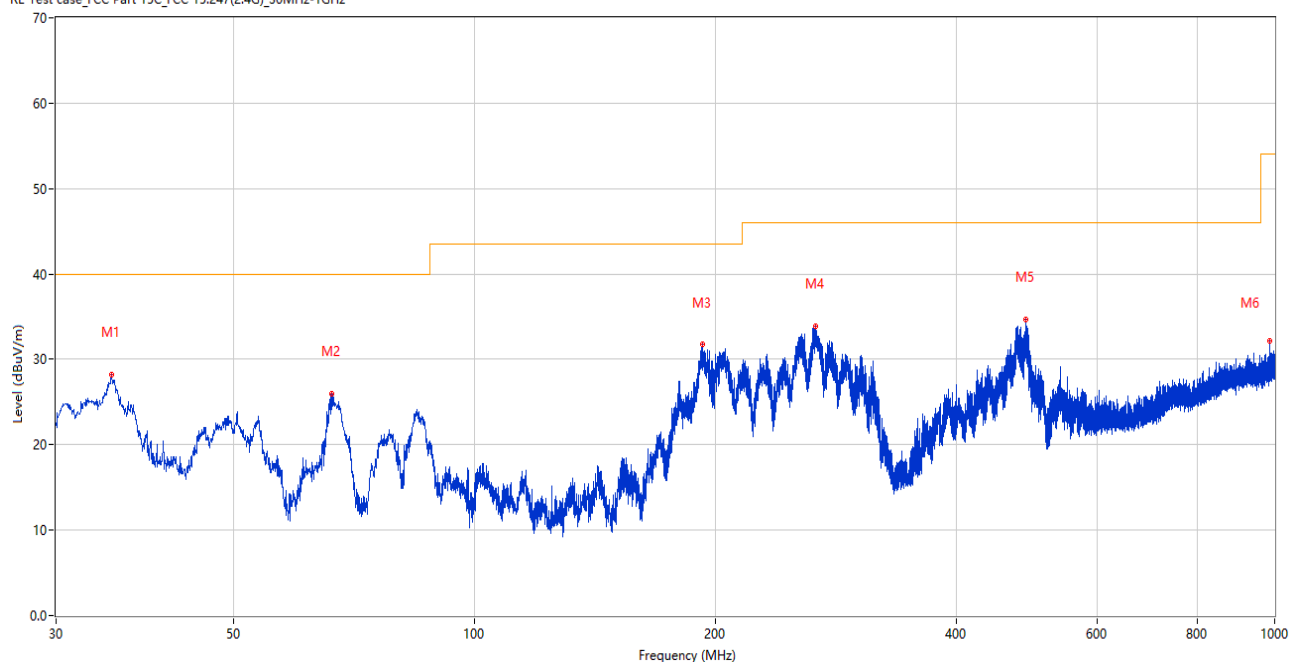
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	93.147	24.04	-27.15	43.5	19.46	Peak	131.00	200	Horizontal	Pass
2	169.292	31.42	-28.40	43.5	12.08	Peak	271.00	100	Horizontal	Pass
3	195.094	35.28	-25.59	43.5	8.22	Peak	236.00	100	Horizontal	Pass
4	265.225	35.40	-24.13	46.0	10.60	Peak	277.00	200	Horizontal	Pass
5	479.062	31.05	-18.78	46.0	14.95	Peak	58.00	200	Horizontal	Pass
6	921.479	31.05	-9.15	46.0	14.95	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



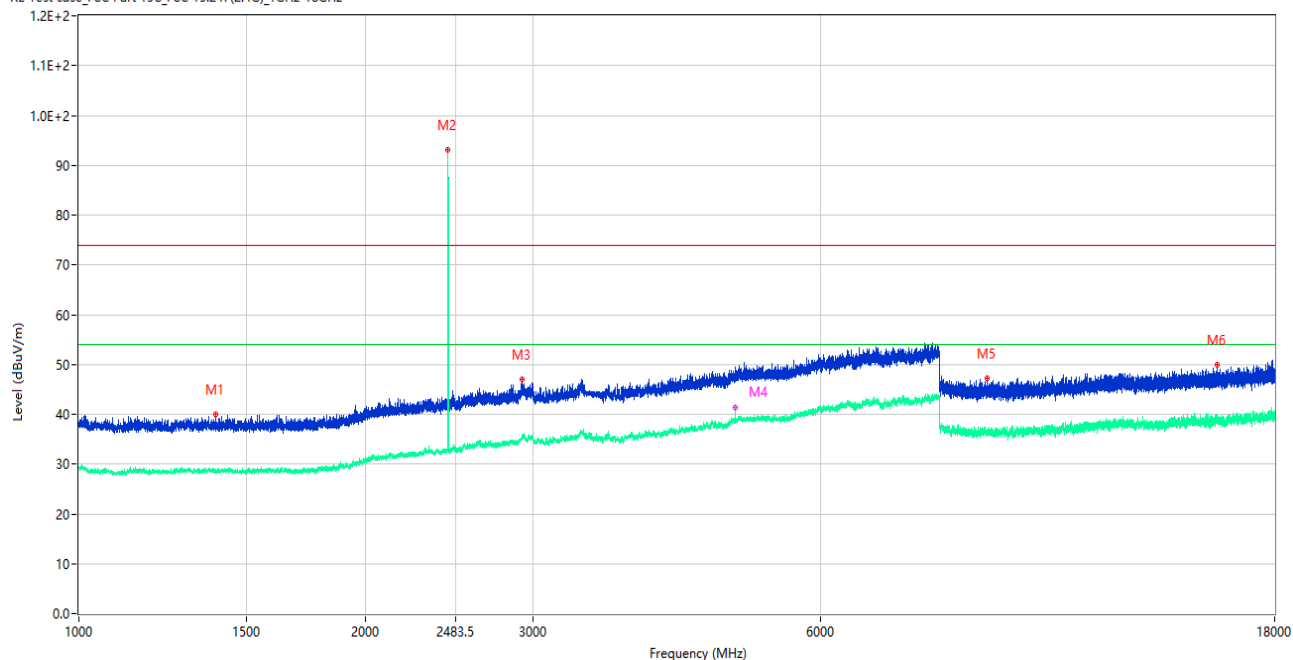
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.238	28.19	-27.66	40.0	11.81	Peak	190.00	100	Vertical	Pass
2	66.326	26.03	-27.78	40.0	13.97	Peak	245.00	100	Vertical	Pass
3	192.960	31.71	-25.87	43.5	11.79	Peak	344.00	200	Vertical	Pass
4	266.583	33.91	-24.11	46.0	12.09	Peak	221.00	100	Vertical	Pass
5	488.713	34.64	-18.40	46.0	11.36	Peak	22.00	200	Vertical	Pass
6	986.177	32.15	-8.44	54.0	21.85	Peak	306.00	200	Vertical	Pass

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

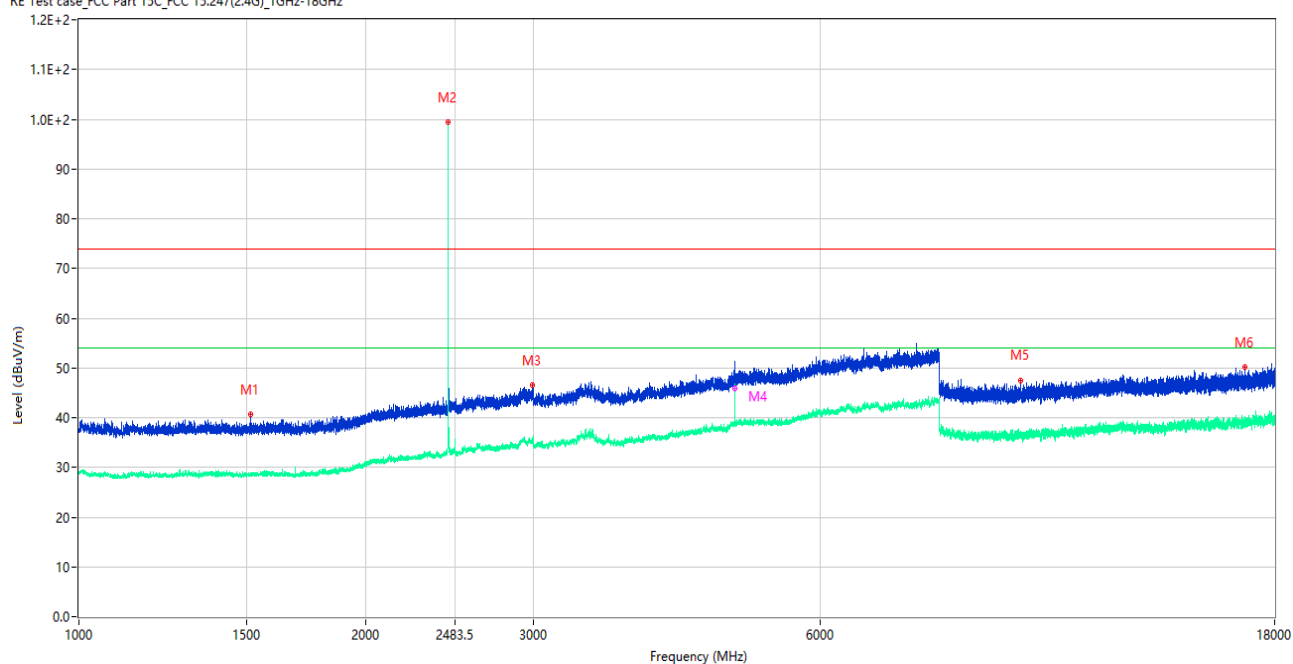
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1390.750	39.94	-16.01	74.0	34.06	Peak	348.00	150	Horizontal	Pass
1**	1390.750	28.41	-16.01	54.0	25.59	AV	348.00	150	Horizontal	Pass
2	2440.750	93.19	-12.38	74.0	-19.19	Peak	301.00	150	Horizontal	N/A
2**	2440.750	91.80	-12.38	54.0	-37.80	AV	301.00	150	Horizontal	N/A
3	2919.000	47.05	-8.71	74.0	26.95	Peak	17.00	150	Horizontal	Pass
3**	2919.000	35.20	-8.71	54.0	18.80	AV	17.00	150	Horizontal	Pass
4	4882.000	49.24	-2.31	74.0	24.76	Peak	340.00	150	Horizontal	Pass
4**	4882.000	41.32	-2.31	54.0	12.68	AV	340.00	150	Horizontal	Pass
5	8982.000	47.19	-4.39	74.0	26.81	Peak	211.00	150	Horizontal	Pass
5**	8982.000	36.71	-4.39	54.0	17.29	AV	211.00	150	Horizontal	Pass
6	15654.000	49.85	-1.59	74.0	24.15	Peak	359.00	150	Horizontal	Pass
6**	15654.000	38.27	-1.59	54.0	15.73	AV	359.00	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

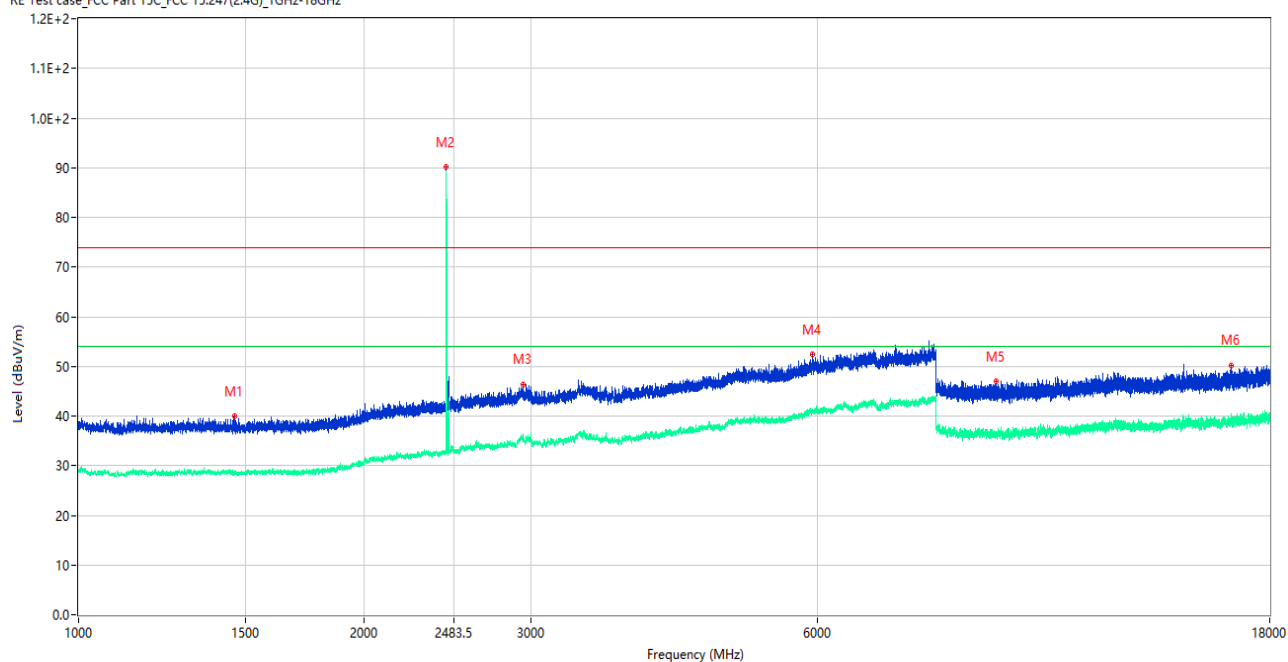
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.000	40.58	-16.06	74.0	33.42	Peak	47.00	150	Vertical	Pass
1**	1514.000	28.47	-16.06	54.0	25.53	AV	47.00	150	Vertical	Pass
2	2440.750	99.43	-12.38	74.0	-25.43	Peak	114.00	150	Vertical	N/A
2**	2440.750	98.04	-12.38	54.0	-44.04	AV	114.00	150	Vertical	N/A
3	2994.250	46.62	-8.93	74.0	27.38	Peak	1.00	150	Vertical	Pass
3**	2994.250	35.46	-8.93	54.0	18.54	AV	1.00	150	Vertical	Pass
4	4882.000	49.91	-2.31	74.0	24.09	Peak	221.00	150	Vertical	Pass
4**	4882.000	44.72	-2.31	54.0	9.28	AV	221.00	150	Vertical	Pass
5	9749.000	47.56	-3.72	74.0	26.44	Peak	350.00	150	Vertical	Pass
5**	9749.000	36.74	-3.72	54.0	17.26	AV	350.00	150	Vertical	Pass
6	16740.000	50.15	-1.62	74.0	23.85	Peak	119.00	150	Vertical	Pass
6**	16740.000	38.70	-1.62	54.0	15.30	AV	119.00	150	Vertical	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

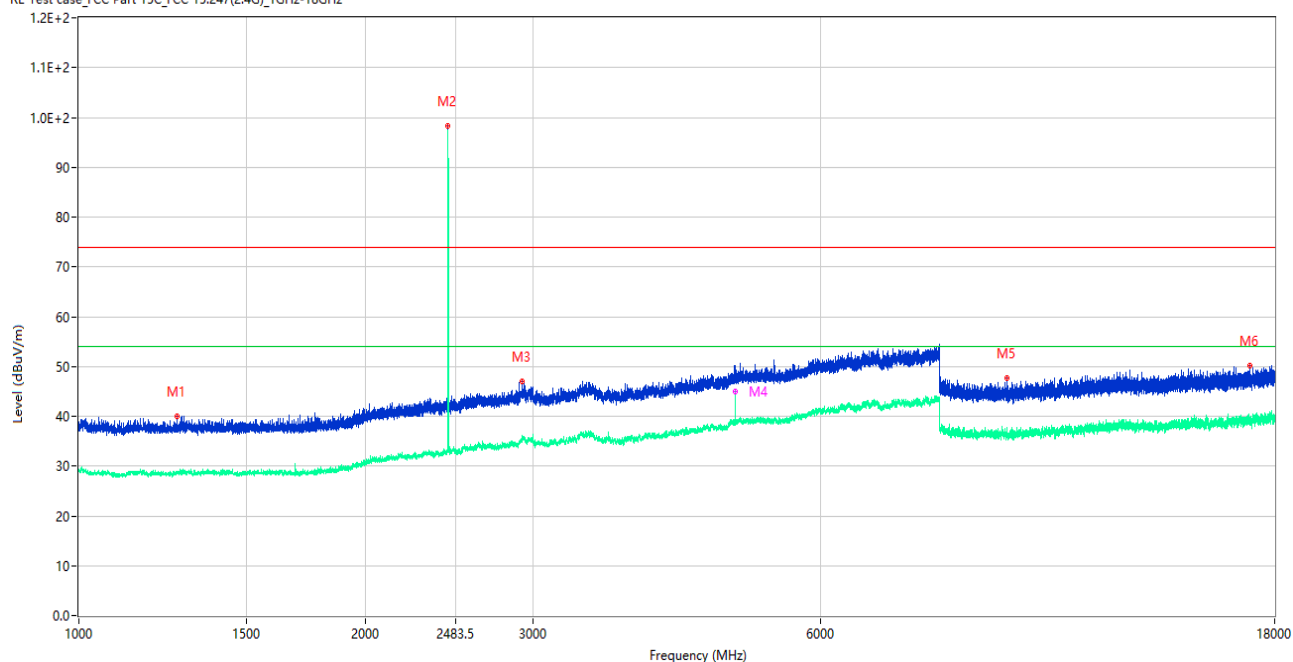
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.250	40.00	-16.19	74.0	34.00	Peak	0.00	150	Horizontal	Pass
1**	1460.250	28.36	-16.19	54.0	25.64	AV	0.00	150	Horizontal	Pass
2	2441.000	90.23	-12.39	74.0	-16.23	Peak	329.00	150	Horizontal	N/A
2**	2441.000	88.01	-12.39	54.0	-34.01	AV	329.00	150	Horizontal	N/A
3	2940.750	46.44	-8.55	74.0	27.56	Peak	123.00	150	Horizontal	Pass
3**	2940.750	35.42	-8.55	54.0	18.58	AV	123.00	150	Horizontal	Pass
4	5929.000	52.44	0.01	74.0	21.56	Peak	202.00	150	Horizontal	Pass
4**	5929.000	41.02	0.01	54.0	12.98	AV	202.00	150	Horizontal	Pass
5	9266.500	47.04	-5.28	74.0	26.96	Peak	240.00	150	Horizontal	Pass
5**	9266.500	36.58	-5.28	54.0	17.42	AV	240.00	150	Horizontal	Pass
6	16392.500	50.26	-1.22	74.0	23.74	Peak	66.00	150	Horizontal	Pass
6**	16392.500	39.81	-1.22	54.0	14.19	AV	66.00	150	Horizontal	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1267.250	40.01	-15.96	74.0	33.99	Peak	350.00	150	Vertical	Pass
1**	1267.250	28.68	-15.96	54.0	25.32	AV	350.00	150	Vertical	Pass
2	2441.000	98.27	-12.39	74.0	-24.27	Peak	112.00	150	Vertical	N/A
2**	2441.000	97.34	-12.39	54.0	-43.34	AV	112.00	150	Vertical	N/A
3	2922.250	47.02	-8.40	74.0	26.98	Peak	56.00	150	Vertical	Pass
3**	2922.250	35.70	-8.40	54.0	18.30	AV	56.00	150	Vertical	Pass
4	4882.500	50.21	-2.31	74.0	23.79	Peak	338.00	150	Vertical	Pass
4**	4882.500	44.92	-2.31	54.0	9.08	AV	338.00	150	Vertical	Pass
5	9429.000	47.59	-4.13	74.0	26.41	Peak	118.00	150	Vertical	Pass
5**	9429.000	36.93	-4.13	54.0	17.07	AV	118.00	150	Vertical	Pass
6	16955.000	50.10	-1.03	74.0	23.90	Peak	0.00	150	Vertical	Pass
6**	16955.000	39.21	-1.03	54.0	14.79	AV	0.00	150	Vertical	Pass

A.9 Band Edge (Restricted-band band-edge)

Note 1: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: The Level (dBuV/m) has been corrected by factor.

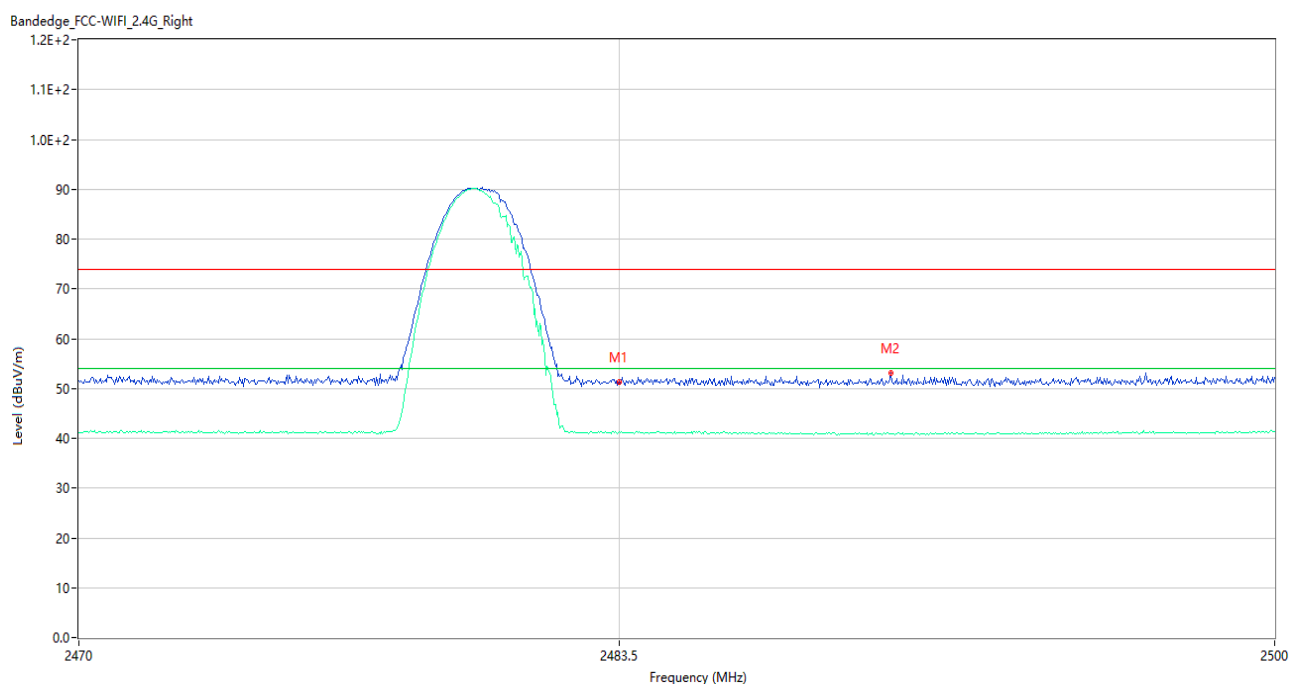
Test Data and Plots

GFSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.49	-4.87	74.0	23.51	Peak	50.11	150	Vertical	Pass
1**	2390.000	40.67	-4.87	54.0	13.33	AV	50.11	150	Vertical	Pass
2	2323.600	53.01	-4.74	74.0	20.99	Peak	205.00	150	Vertical	Pass
2**	2323.600	40.48	-4.74	54.0	13.52	AV	205.00	150	Vertical	Pass

GFSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.39	-3.78	74.0	22.61	Peak	74.00	150	Horizontal	Pass
1**	2483.500	41.39	-3.78	54.0	12.61	AV	74.00	150	Horizontal	Pass
2	2490.340	53.12	-3.83	74.0	20.88	Peak	96.00	150	Horizontal	Pass
2**	2490.340	40.94	-3.83	54.0	13.06	AV	96.00	150	Horizontal	Pass

8-DPSK LOW CHANNEL

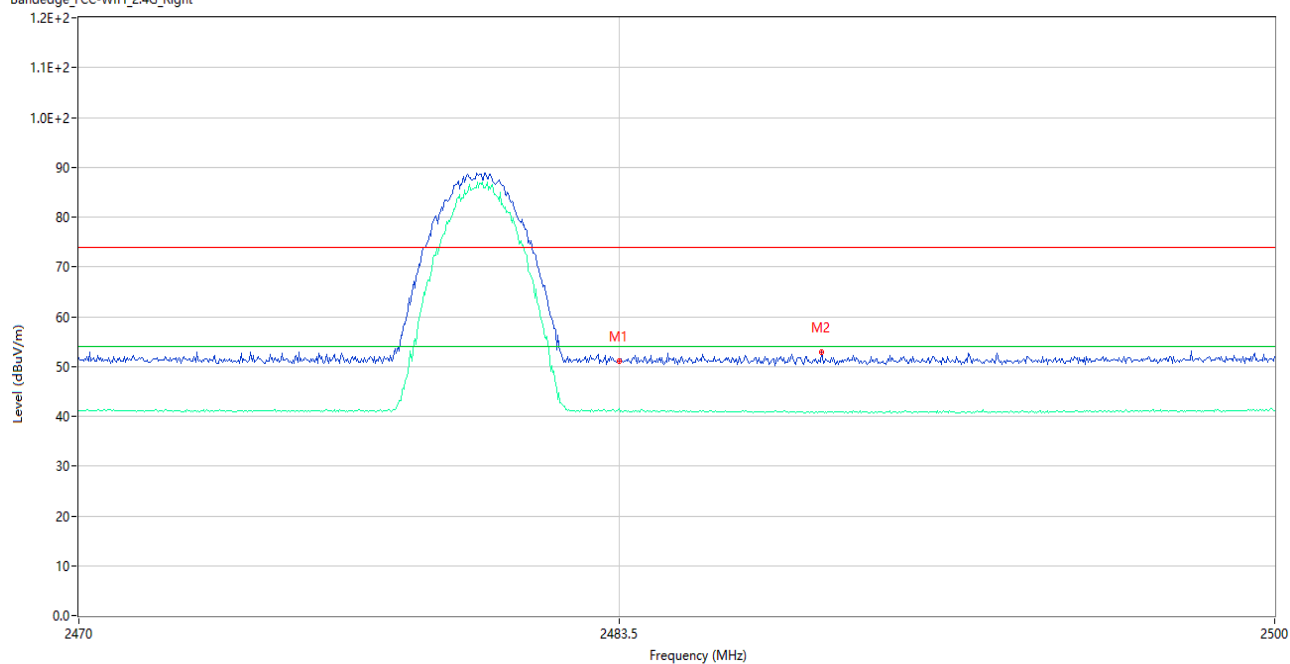
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.45	-4.87	74.0	23.55	Peak	148.09	150	Horizontal	Pass
1**	2390.000	40.63	-4.87	54.0	13.37	AV	148.09	150	Horizontal	Pass
2	2338.600	52.36	-4.29	74.0	21.64	Peak	359.00	150	Horizontal	Pass
2**	2338.600	40.47	-4.29	54.0	13.53	AV	359.00	150	Horizontal	Pass

8-DPSK HIGH CHANNEL

Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.13	-3.78	74.0	22.87	Peak	0.00	150	Horizontal	Pass
1**	2483.500	41.50	-3.78	54.0	12.50	AV	0.00	150	Horizontal	Pass
2	2488.600	52.77	-3.82	74.0	21.23	Peak	358.00	150	Horizontal	Pass
2**	2488.600	40.89	-3.82	54.0	13.11	AV	358.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25A1022-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25A1022-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25A1022-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
5. This report shall not be partially reproduced without the written permission of the Testing Center.
6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--