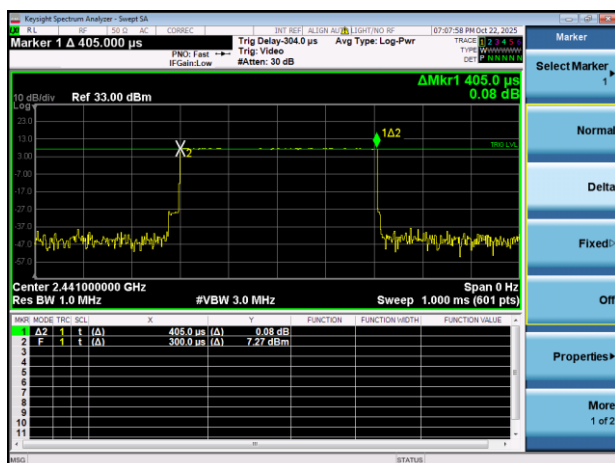
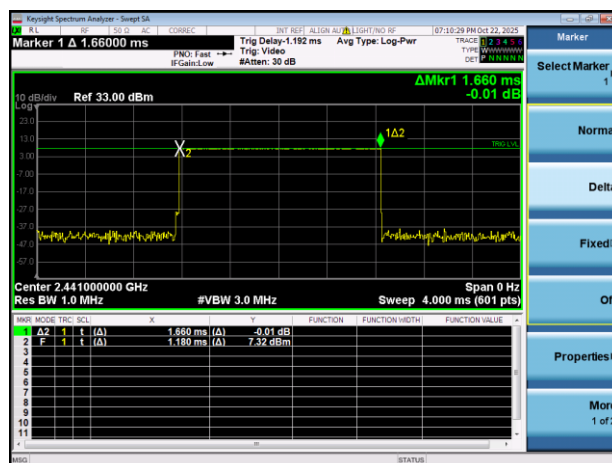


Test Plots

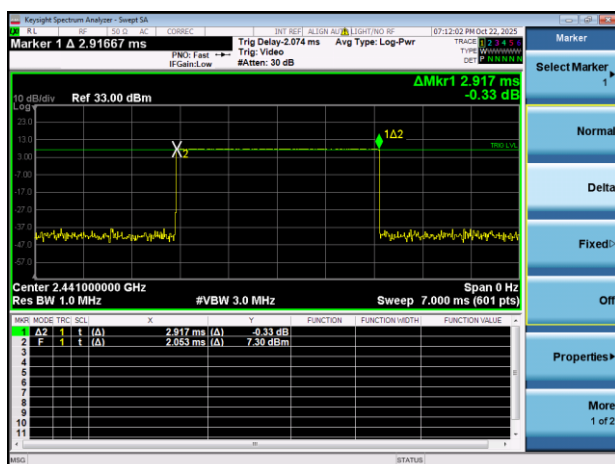
GFSK DH1



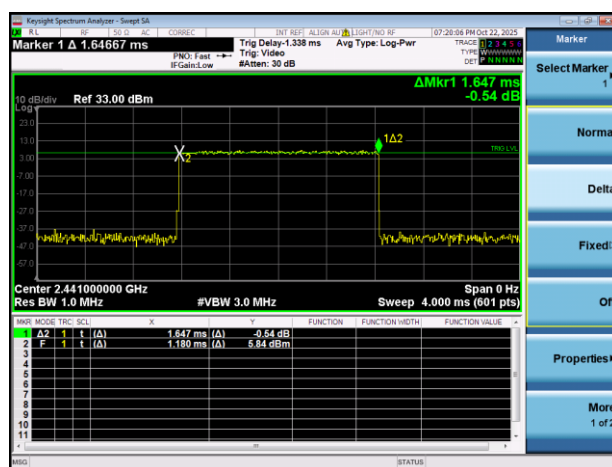
GFSK DH3



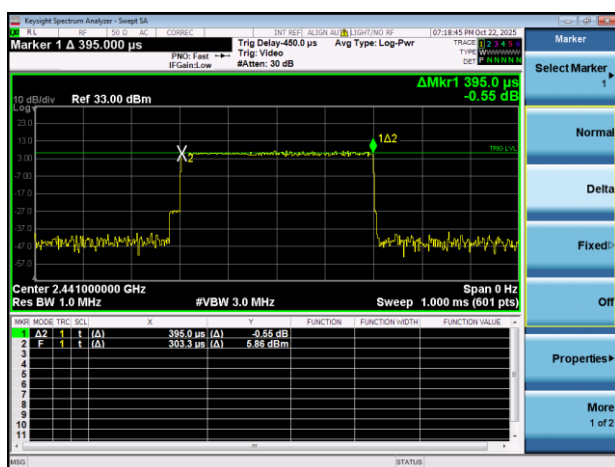
GFSK DH5



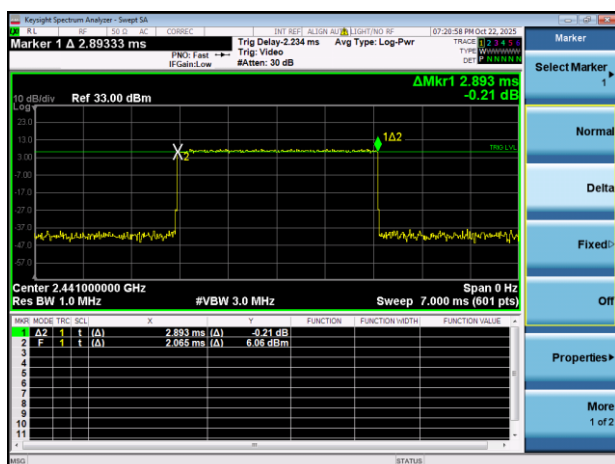
8-DPSK DH3



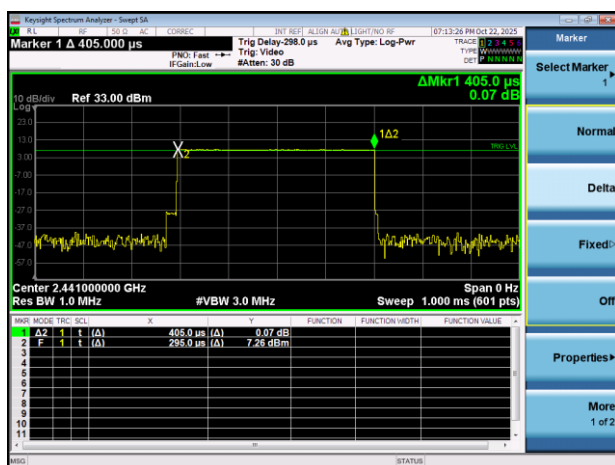
8-DPSK DH1



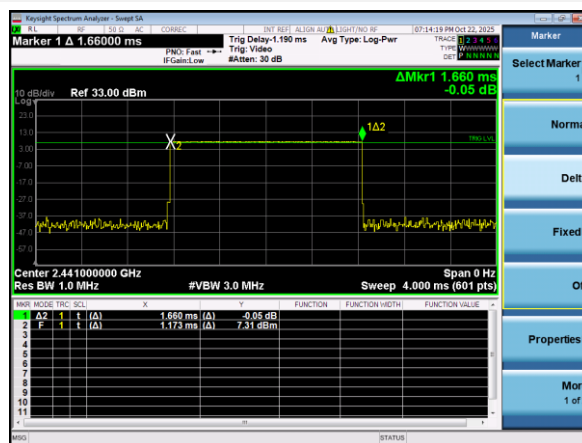
8-DPSK DH5



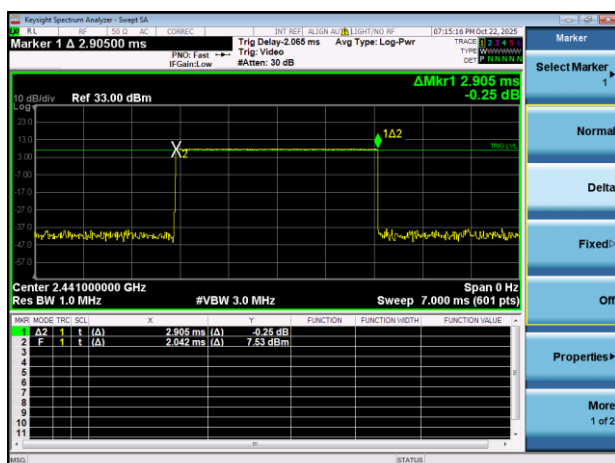
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



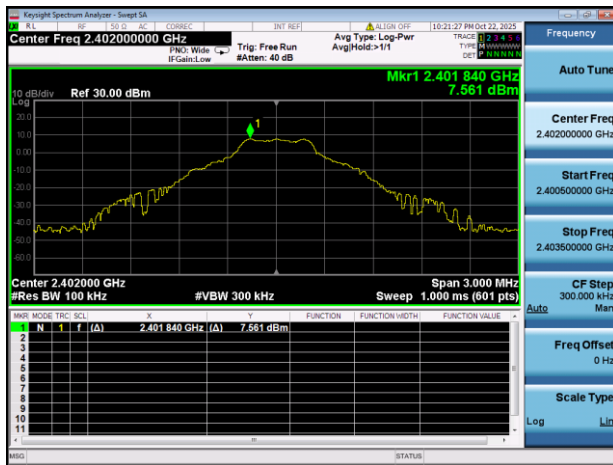
A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

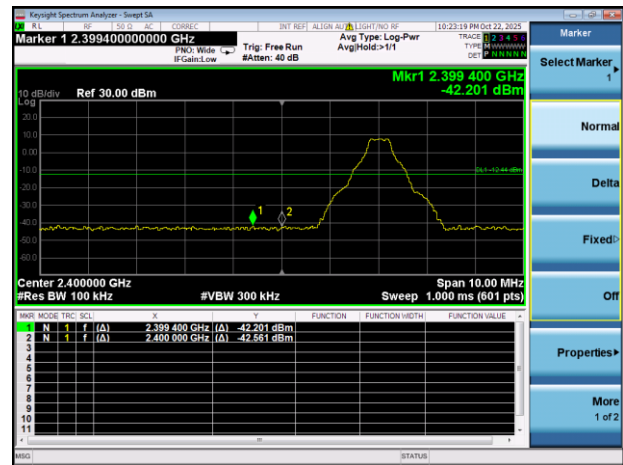
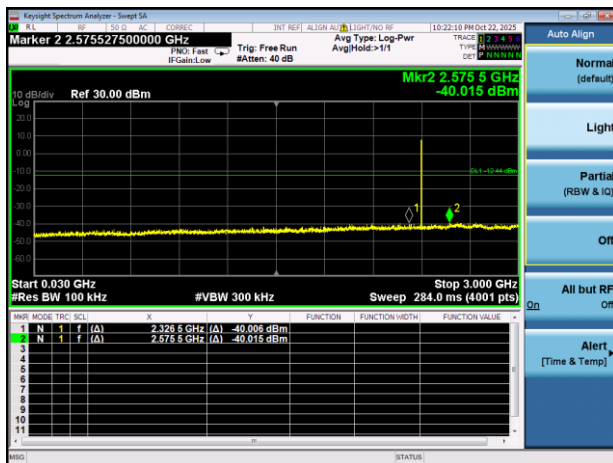
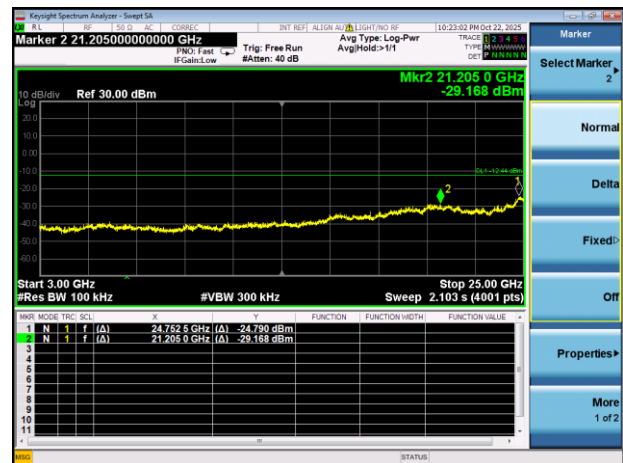
GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-24.79	7.56	-12.44	Pass
Middle	-25.20	7.49	-12.51	Pass
High	-24.94	7.00	-13.00	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.17	6.48	-13.52	Pass
Middle	-25.20	6.05	-13.95	Pass
High	-25.48	5.41	-14.59	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-18.65	7.83	-12.17	Pass
8-DPSK	-18.85	7.40	-12.60	Pass

Test Plots

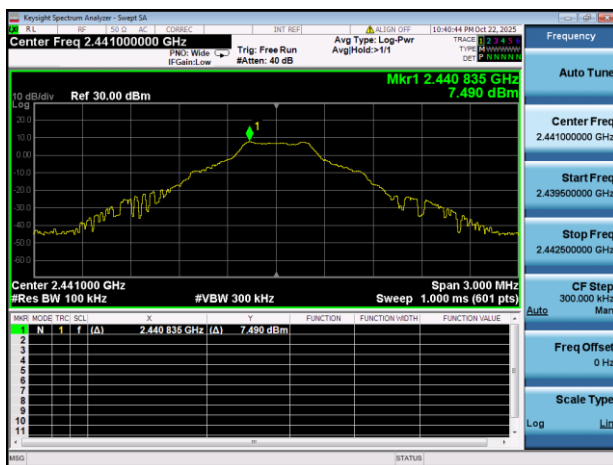
GFSK LOW CHANNEL, CARRIER LEVEL



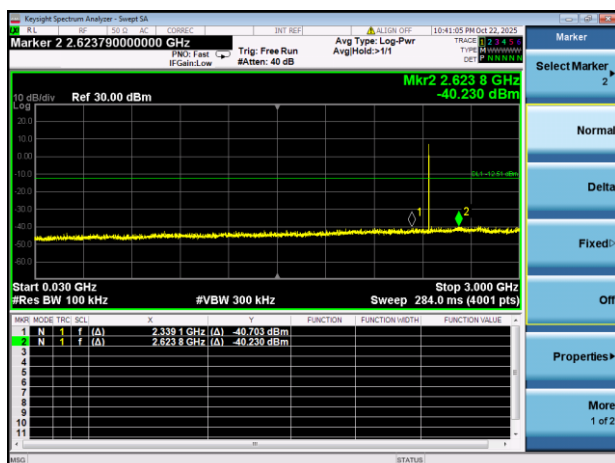
GFSK LOW CHANNEL, BAND EDGE

GFSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHzGFSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

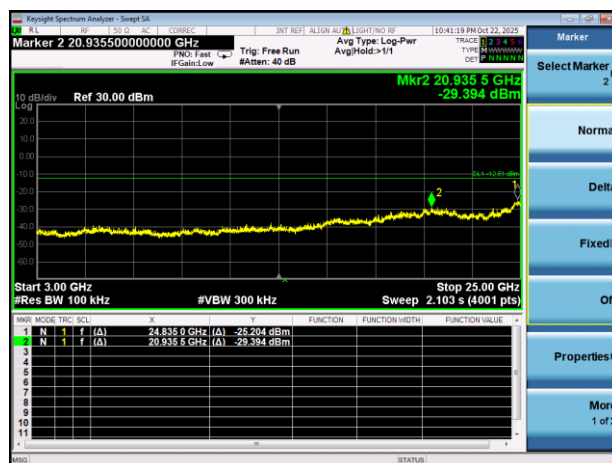
GFSK MIDDLE CHANNEL, CARRIER LEVEL



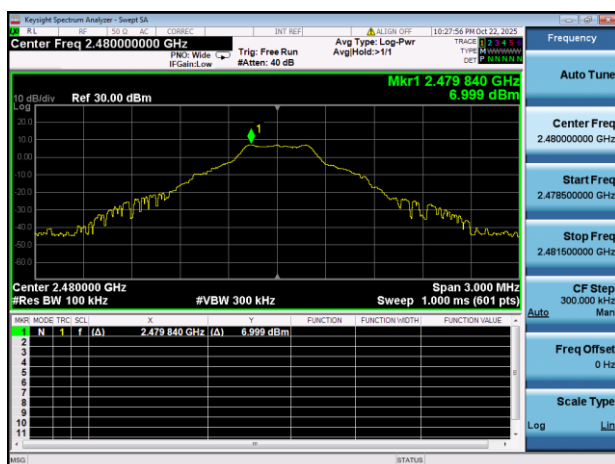
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



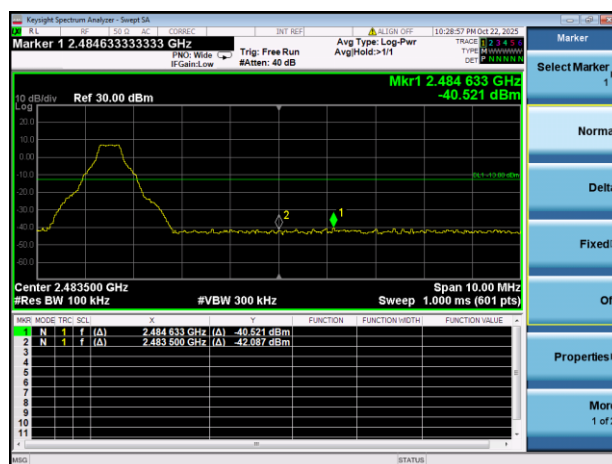
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



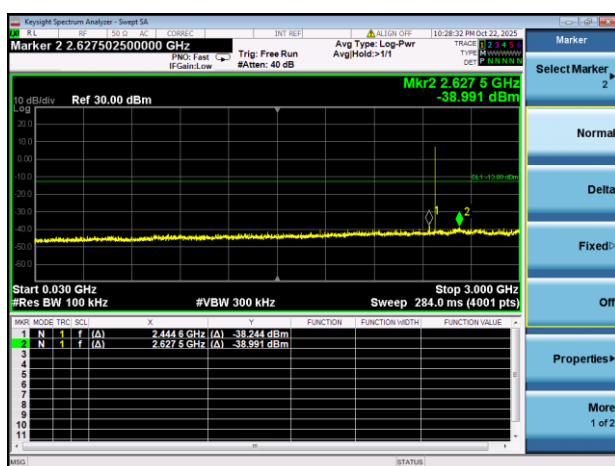
GFSK HIGH CHANNEL, CARRIER LEVEL



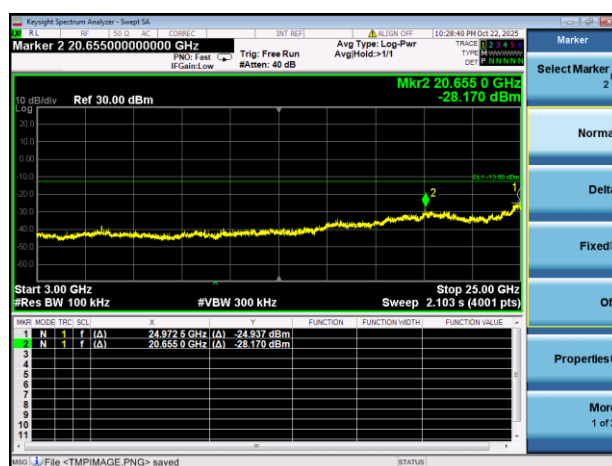
GFSK HIGH CHANNEL, BAND EDGE



GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



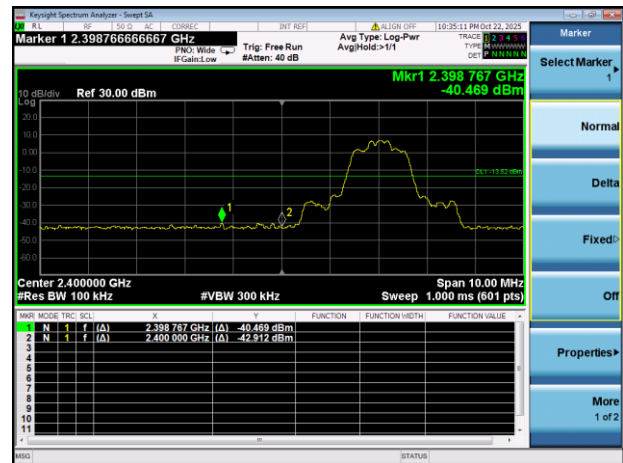
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

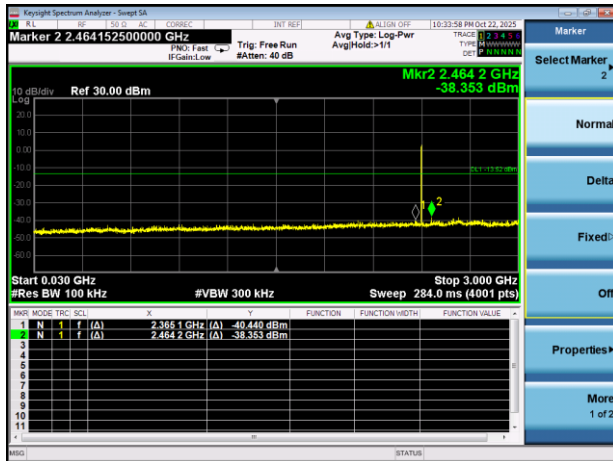


8-DPSK LOW CHANNEL, BAND EDGE



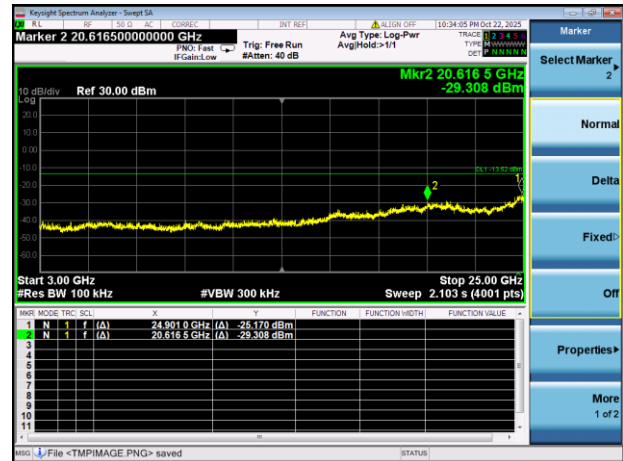
8-DPSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

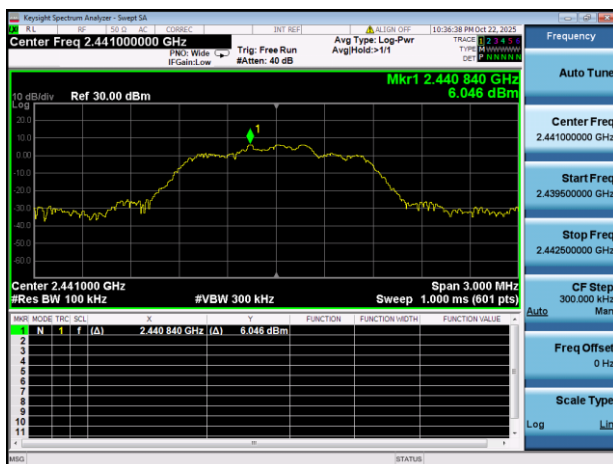


8-DPSK LOW CHANNEL, SPURIOUS

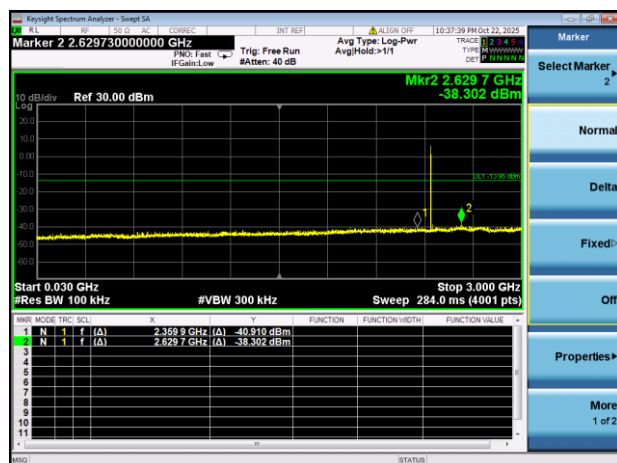
3 GHz ~ 25 GHz



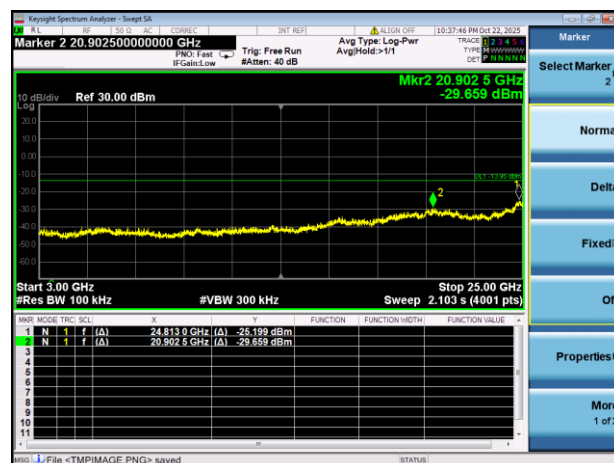
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



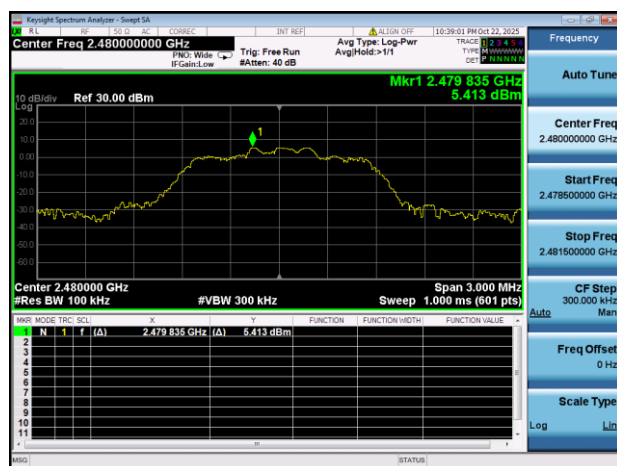
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



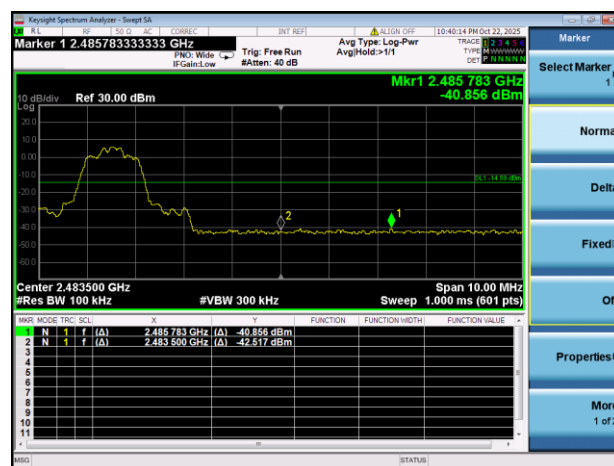
8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



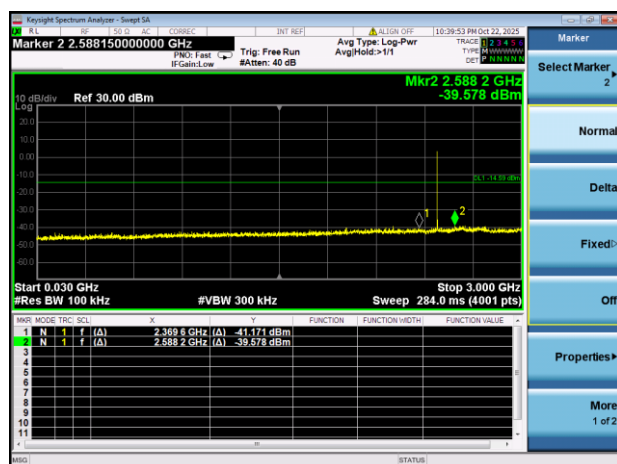
8-DPSK HIGH CHANNEL, CARRIER LEVEL



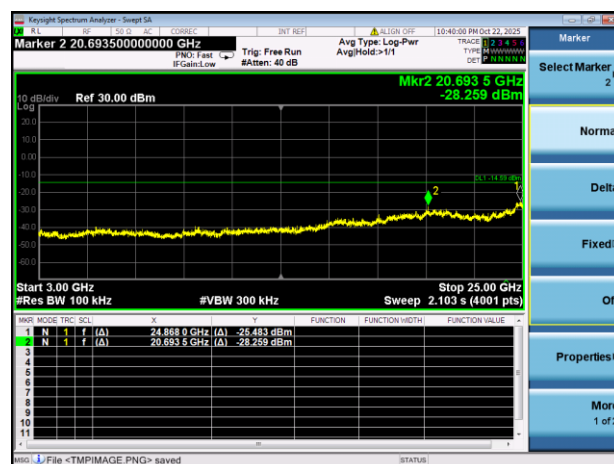
8-DPSK HIGH CHANNEL, BAND EDGE



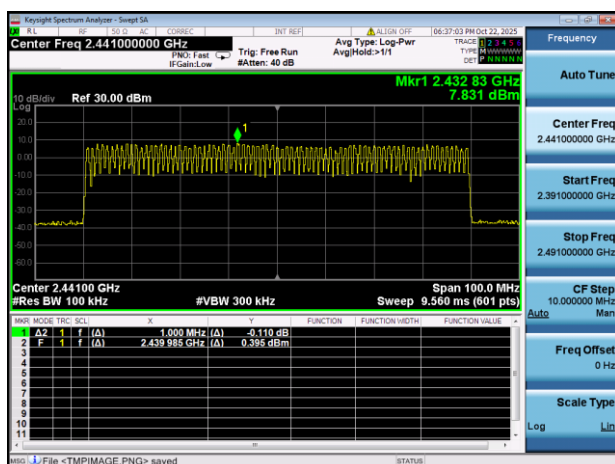
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



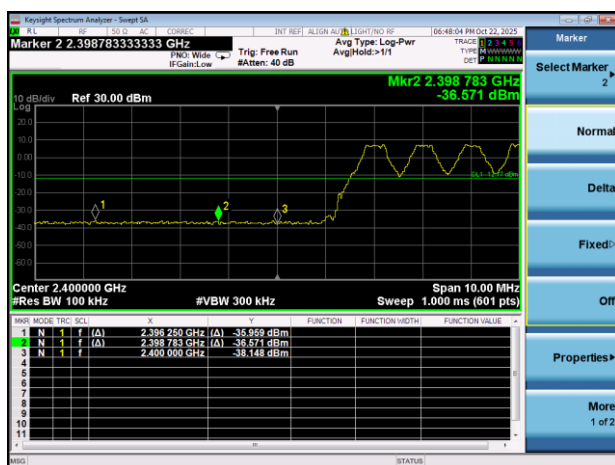
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



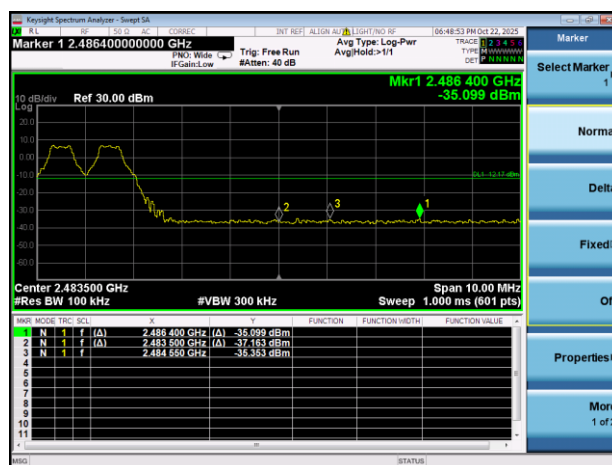
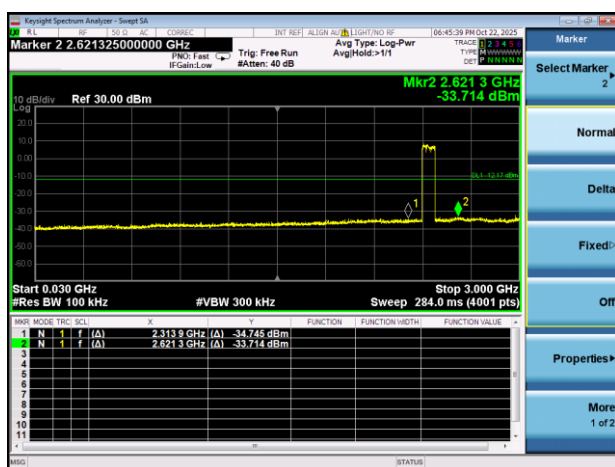
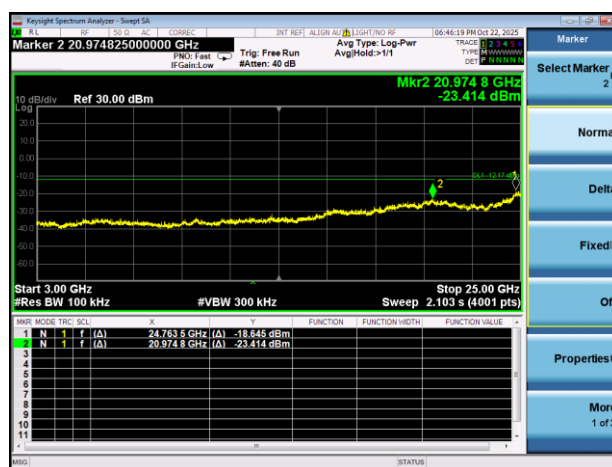
GFSK HOPPING, CARRIER LEVEL



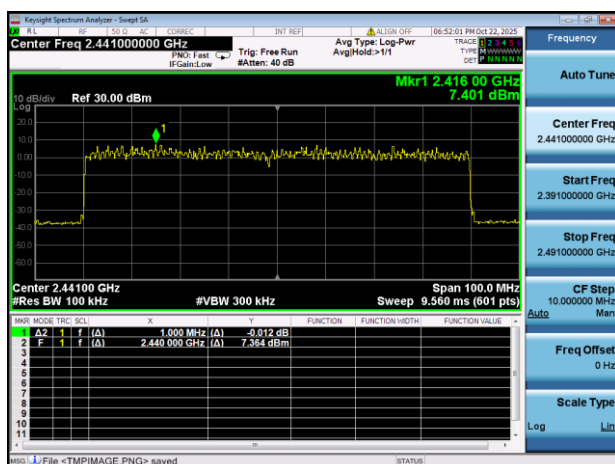
GFSK HOPPING BAND EDGE (LOW)



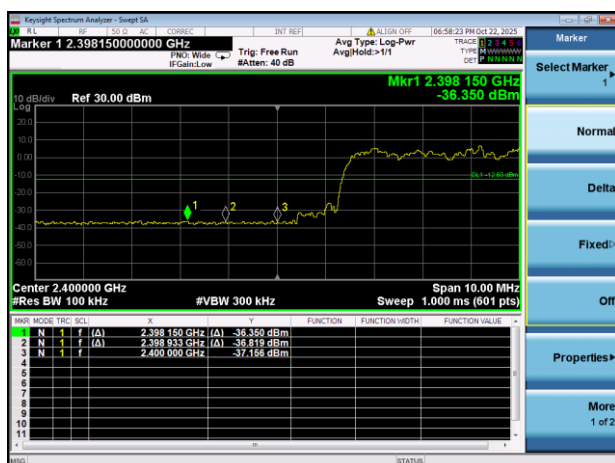
GFSK HOPPING BAND EDGE (HIGH)

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

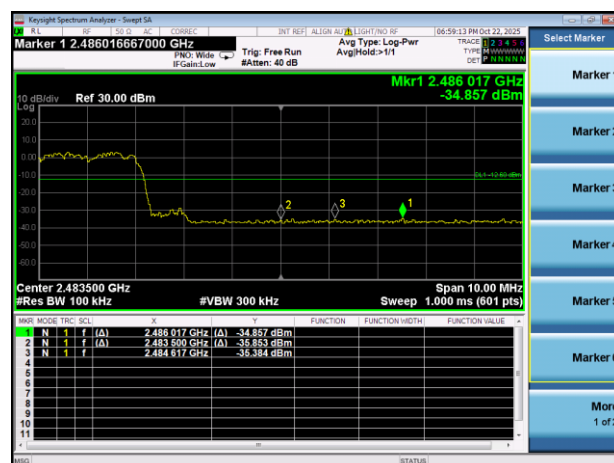
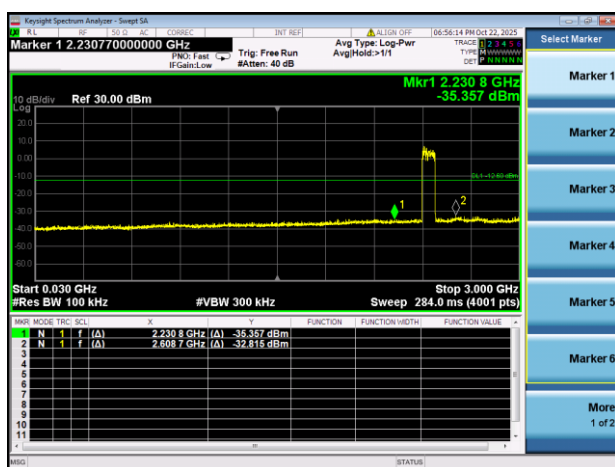
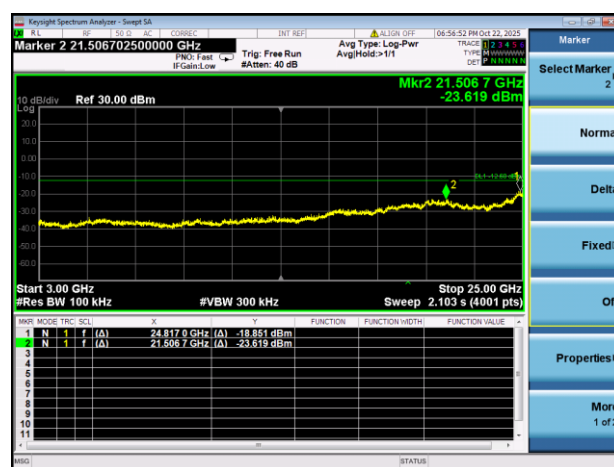
8-DPSK HOPPING, CARRIER LEVEL



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

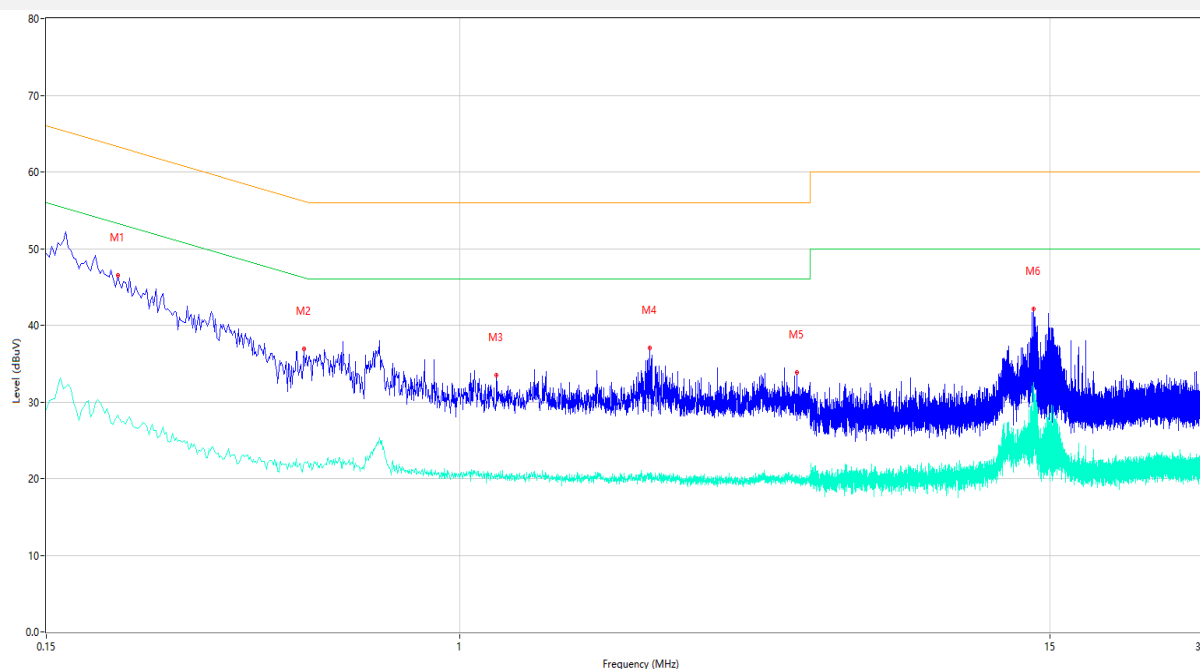
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

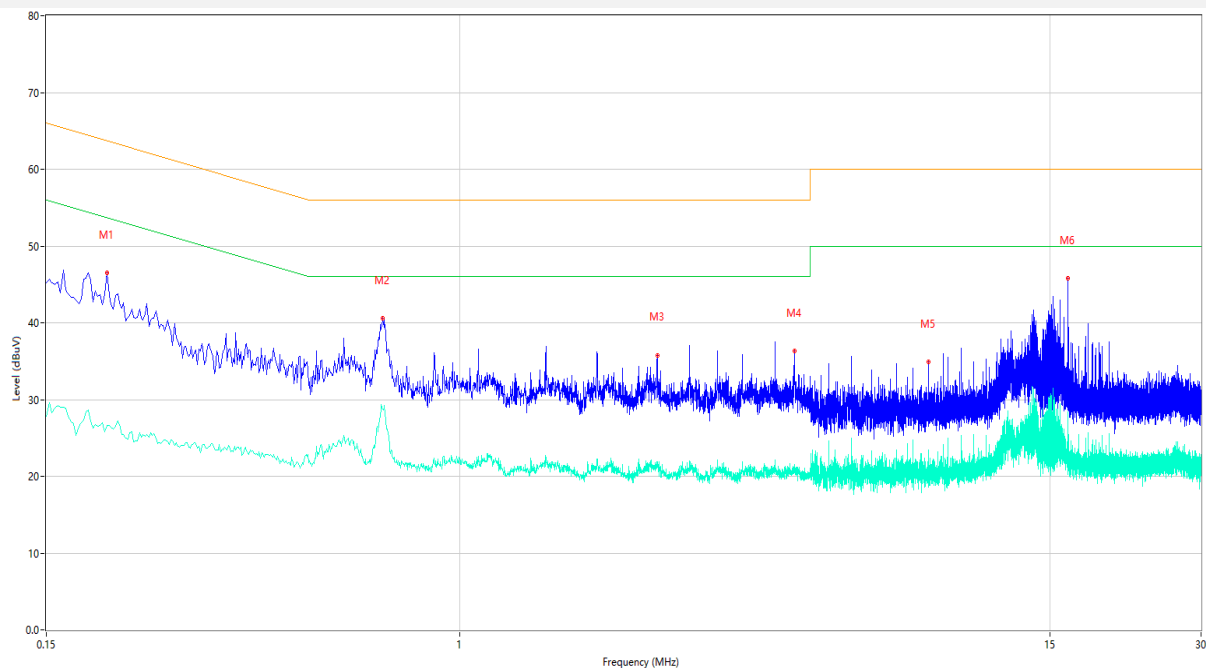
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.208	46.49	10.12	63.28	16.79	Peak	L	Pass
1**	0.208	28.33	10.12	53.28	24.95	AV	L	Pass
2	0.490	36.95	10.15	56.17	19.22	Peak	L	Pass
2**	0.490	21.98	10.15	46.17	24.19	AV	L	Pass
3	1.184	33.45	10.22	56.00	22.55	Peak	L	Pass
3**	1.184	20.57	10.22	46.00	25.43	AV	L	Pass
4	2.392	37.04	10.37	56.00	18.96	Peak	L	Pass
4**	2.392	20.48	10.37	46.00	25.52	AV	L	Pass
5	4.696	33.84	10.44	56.00	22.16	Peak	L	Pass
5**	4.696	19.55	10.44	46.00	26.45	AV	L	Pass
6	13.940	42.11	11.13	60.00	17.89	Peak	L	Pass
6**	13.940	25.80	11.13	50.00	24.20	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.198	46.53	10.16	63.69	17.16	Peak	N	Pass
1**	0.198	26.65	10.16	53.69	27.04	AV	N	Pass
2	0.702	40.61	10.22	56.00	15.39	Peak	N	Pass
2**	0.702	28.73	10.22	46.00	17.27	AV	N	Pass
3	2.474	35.79	10.28	56.00	20.21	Peak	N	Pass
3**	2.474	21.54	10.28	46.00	24.46	AV	N	Pass
4	4.642	36.32	10.41	56.00	19.68	Peak	N	Pass
4**	4.642	21.15	10.41	46.00	24.85	AV	N	Pass
5	8.602	34.90	10.79	60.00	25.10	Peak	N	Pass
5**	8.602	23.39	10.79	50.00	26.61	AV	N	Pass
6	16.314	45.82	11.20	60.00	14.18	Peak	N	Pass
6**	16.314	28.45	11.20	50.00	21.55	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.

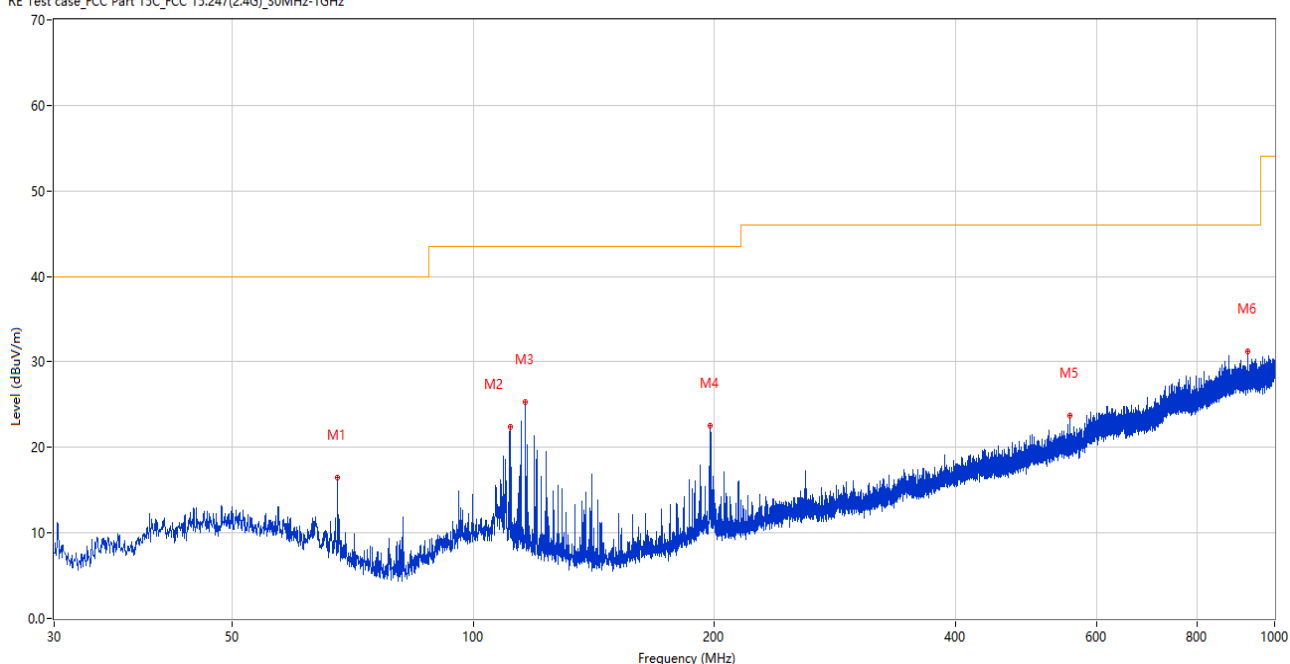
Note 4: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

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

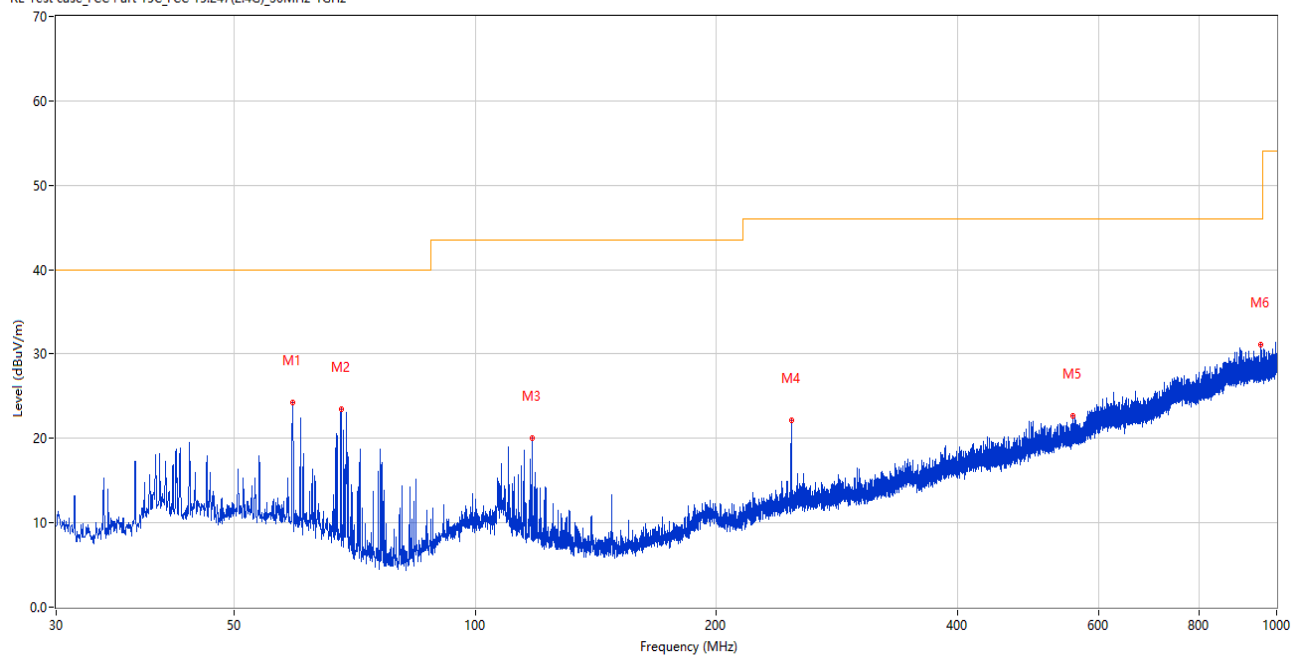
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	67.733	16.49	-28.23	40.0	23.51	Peak	131.00	100	Horizontal	Pass
2	111.141	22.45	-26.69	43.5	21.05	Peak	237.00	200	Horizontal	Pass
3	116.233	25.26	-27.56	43.5	18.24	Peak	187.00	100	Horizontal	Pass
4	197.325	22.58	-25.58	43.5	20.92	Peak	249.00	100	Horizontal	Pass
5	554.867	23.79	-16.86	46.0	22.21	Peak	360.00	100	Horizontal	Pass
6	926.571	31.23	-8.88	46.0	14.77	Peak	198.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



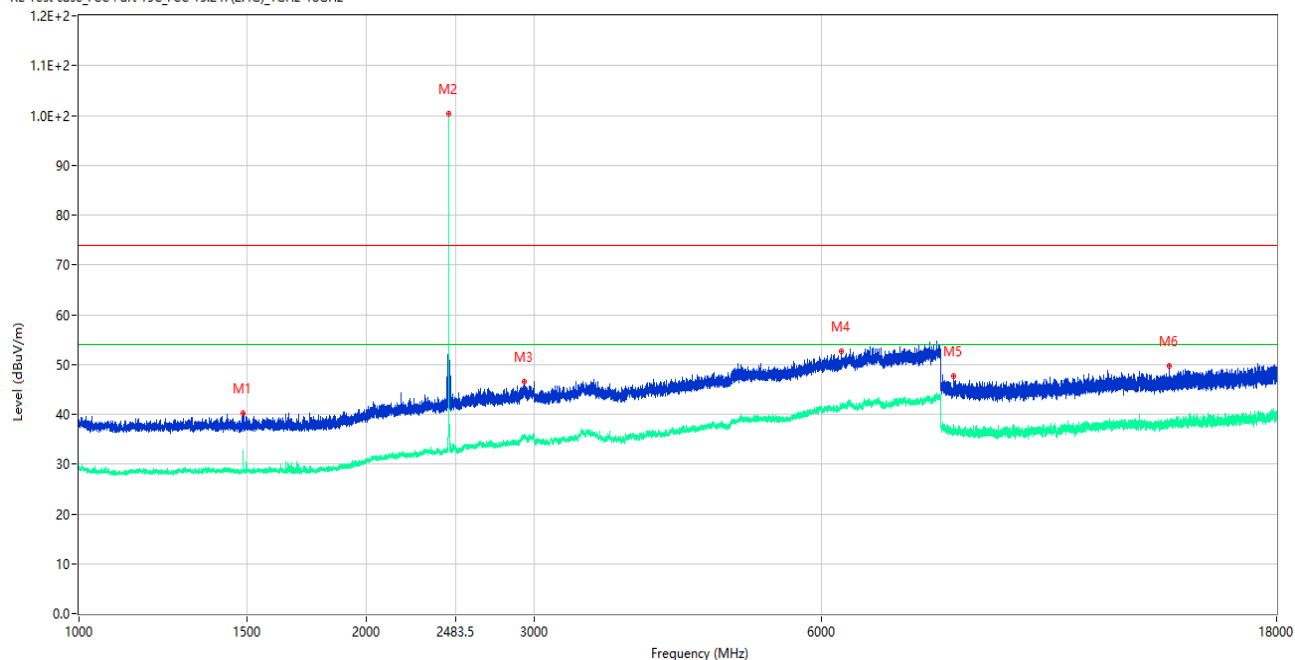
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	59.197	24.24	-25.85	40.0	15.76	Peak	110.00	100	Vertical	Pass
2	68.024	23.50	-28.31	40.0	16.50	Peak	330.00	100	Vertical	Pass
3	117.688	20.05	-27.79	43.5	23.45	Peak	110.00	100	Vertical	Pass
4	247.911	22.15	-24.16	46.0	23.85	Peak	156.00	200	Vertical	Pass
5	556.953	22.63	-16.82	46.0	23.37	Peak	360.00	100	Vertical	Pass
6	956.302	31.13	-8.82	46.0	14.87	Peak	230.00	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

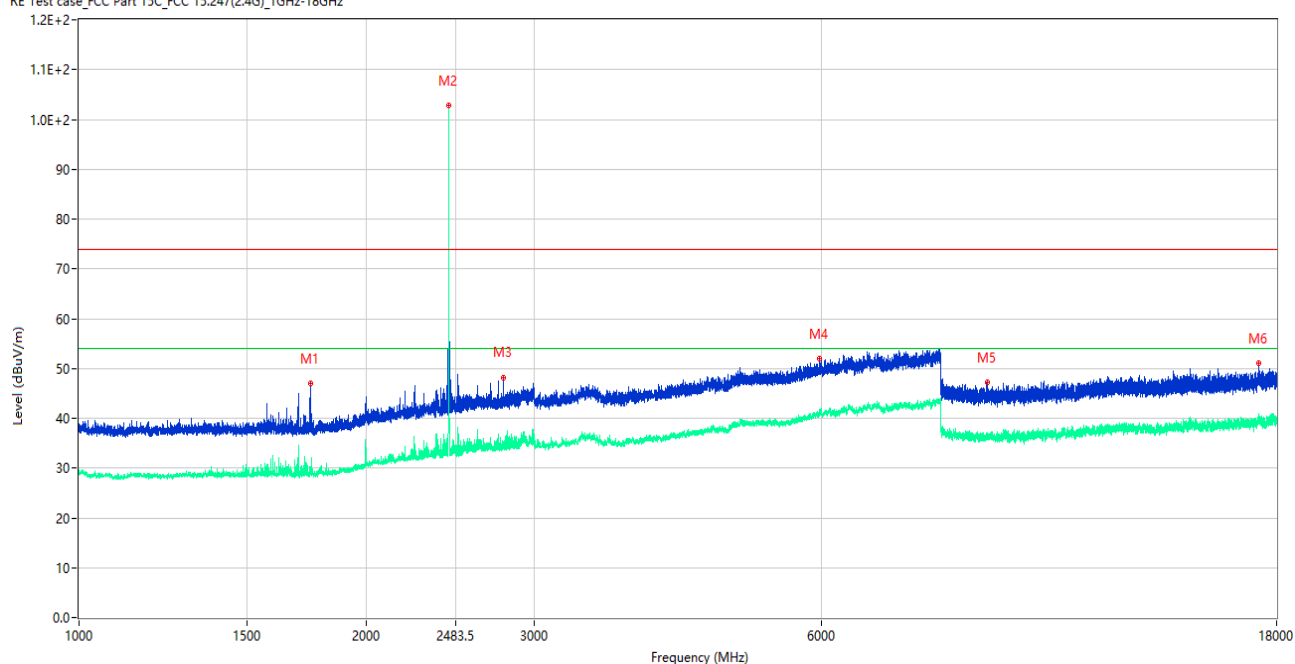
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.000	40.19	-16.27	74.0	33.81	Peak	16.00	150	Horizontal	Pass
1**	1485.000	32.08	-16.27	54.0	21.92	AV	16.00	150	Horizontal	Pass
2	2441.250	100.33	-12.40	74.0	-26.33	Peak	360.00	150	Horizontal	N/A
2**	2441.250	99.88	-12.40	54.0	-45.88	AV	360.00	150	Horizontal	N/A
3	2927.000	46.61	-8.10	74.0	27.39	Peak	287.00	150	Horizontal	Pass
3**	2927.000	35.59	-8.10	54.0	18.41	AV	287.00	150	Horizontal	Pass
4	6299.500	52.59	0.04	74.0	21.41	Peak	342.00	150	Horizontal	Pass
4**	6299.500	41.50	0.04	54.0	12.50	AV	342.00	150	Horizontal	Pass
5	8262.500	47.71	-4.59	74.0	26.29	Peak	1.00	150	Horizontal	Pass
5**	8262.500	38.01	-4.59	54.0	15.99	AV	1.00	150	Horizontal	Pass
6	13891.500	49.63	-2.93	74.0	24.37	Peak	235.00	150	Horizontal	Pass
6**	13891.500	38.13	-2.93	54.0	15.87	AV	235.00	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

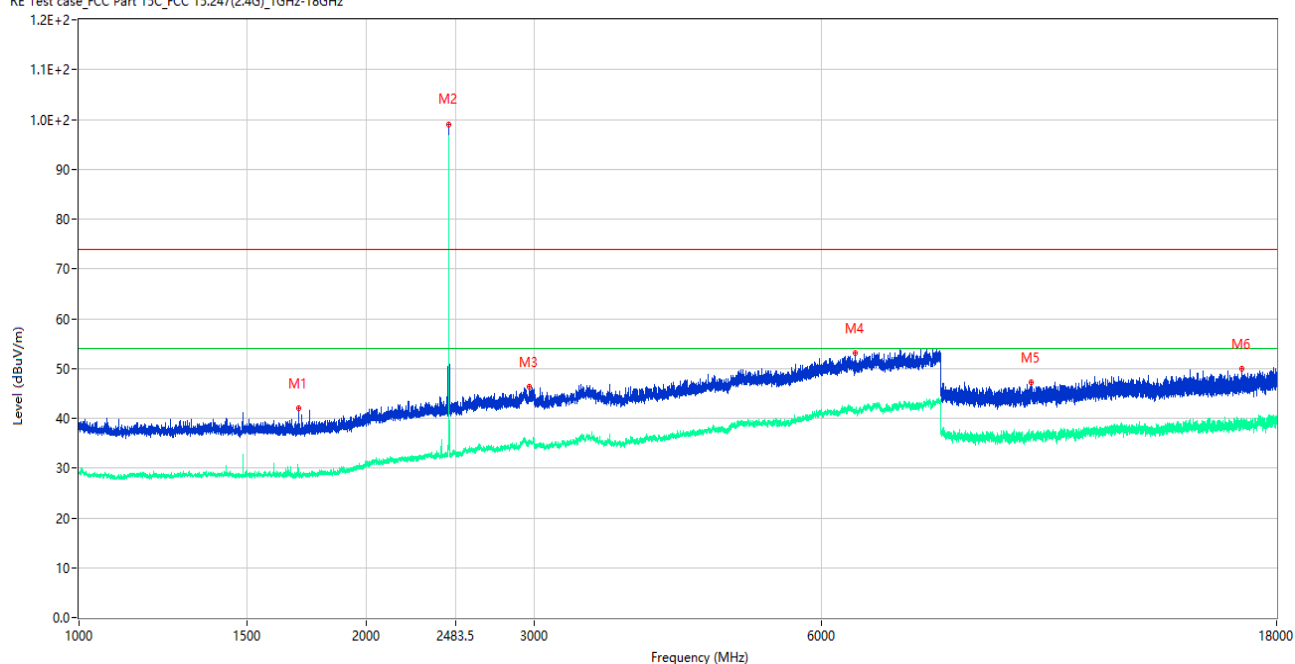
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1748.000	46.98	-16.02	74.0	27.02	Peak	126.00	150	Vertical	Pass
1**	1748.000	29.01	-16.02	54.0	24.99	AV	126.00	150	Vertical	Pass
2	2440.750	102.77	-12.38	74.0	-28.77	Peak	0.00	150	Vertical	N/A
2**	2440.750	101.36	-12.38	54.0	-47.36	AV	0.00	150	Vertical	N/A
3	2788.000	48.22	-9.65	74.0	25.78	Peak	94.00	150	Vertical	Pass
3**	2788.000	34.59	-9.65	54.0	19.41	AV	94.00	150	Vertical	Pass
4	5976.500	52.00	-0.10	74.0	22.00	Peak	104.00	150	Vertical	Pass
4**	5976.500	40.73	-0.10	54.0	13.27	AV	104.00	150	Vertical	Pass
5	8948.000	47.20	-4.45	74.0	26.80	Peak	359.00	150	Vertical	Pass
5**	8948.000	36.56	-4.45	54.0	17.44	AV	359.00	150	Vertical	Pass
6	17259.999	51.12	-1.33	74.0	22.88	Peak	68.00	150	Vertical	Pass
6**	17259.999	39.58	-1.33	54.0	14.42	AV	68.00	150	Vertical	Pass

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

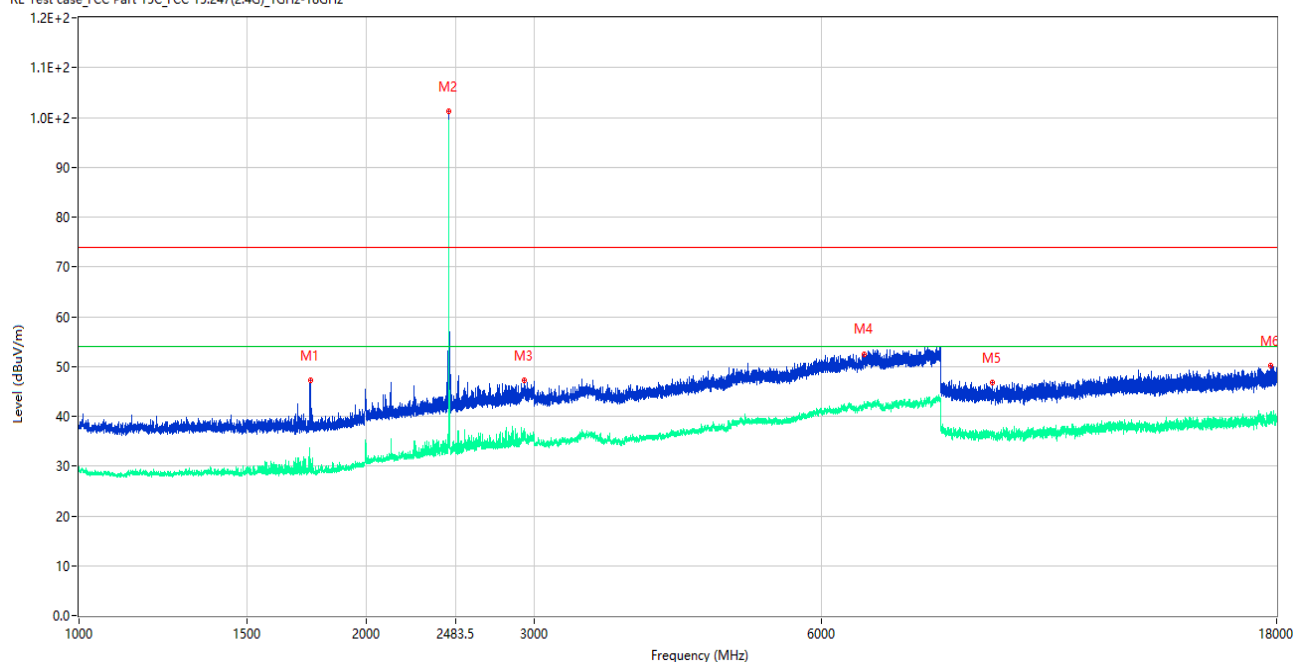
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1698.000	41.98	-16.51	74.0	32.02	Peak	360.00	150	Horizontal	Pass
1**	1698.000	28.82	-16.51	54.0	25.18	AV	360.00	150	Horizontal	Pass
2	2441.000	99.09	-12.39	74.0	-25.09	Peak	21.00	150	Horizontal	N/A
2**	2441.000	96.17	-12.39	54.0	-42.17	AV	21.00	150	Horizontal	N/A
3	2964.250	46.31	-8.60	74.0	27.69	Peak	337.00	150	Horizontal	Pass
3**	2964.250	35.29	-8.60	54.0	18.71	AV	337.00	150	Horizontal	Pass
4	6502.500	53.17	-0.73	74.0	20.83	Peak	0.00	150	Horizontal	Pass
4**	6502.500	41.16	-0.73	54.0	12.84	AV	0.00	150	Horizontal	Pass
5	9945.000	47.18	-4.06	74.0	26.82	Peak	235.00	150	Horizontal	Pass
5**	9945.000	36.18	-4.06	54.0	17.82	AV	235.00	150	Horizontal	Pass
6	16558.000	50.02	-0.91	74.0	23.98	Peak	294.00	150	Horizontal	Pass
6**	16558.000	39.54	-0.91	54.0	14.46	AV	294.00	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	1748.000	47.25	-16.02	74.0	26.75	Peak	109.00	150	Vertical	Pass
1**	1748.000	29.65	-16.02	54.0	24.35	AV	109.00	150	Vertical	Pass
2	2441.000	101.20	-12.39	74.0	-27.20	Peak	0.00	150	Vertical	N/A
2**	2441.000	98.00	-12.39	54.0	-44.00	AV	0.00	150	Vertical	N/A
3	2930.000	47.28	-7.95	74.0	26.72	Peak	0.00	150	Vertical	Pass
3**	2930.000	35.74	-7.95	54.0	18.26	AV	0.00	150	Vertical	Pass
4	6660.000	52.52	0.07	74.0	21.48	Peak	162.00	150	Vertical	Pass
4**	6660.000	41.97	0.07	54.0	12.03	AV	162.00	150	Vertical	Pass
5	9071.000	46.71	-4.58	74.0	27.29	Peak	360.00	150	Vertical	Pass
5**	9071.000	36.85	-4.58	54.0	17.15	AV	360.00	150	Vertical	Pass
6	17728.999	50.06	0.16	74.0	23.94	Peak	0.00	150	Vertical	Pass
6**	17728.999	38.69	0.16	54.0	15.31	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

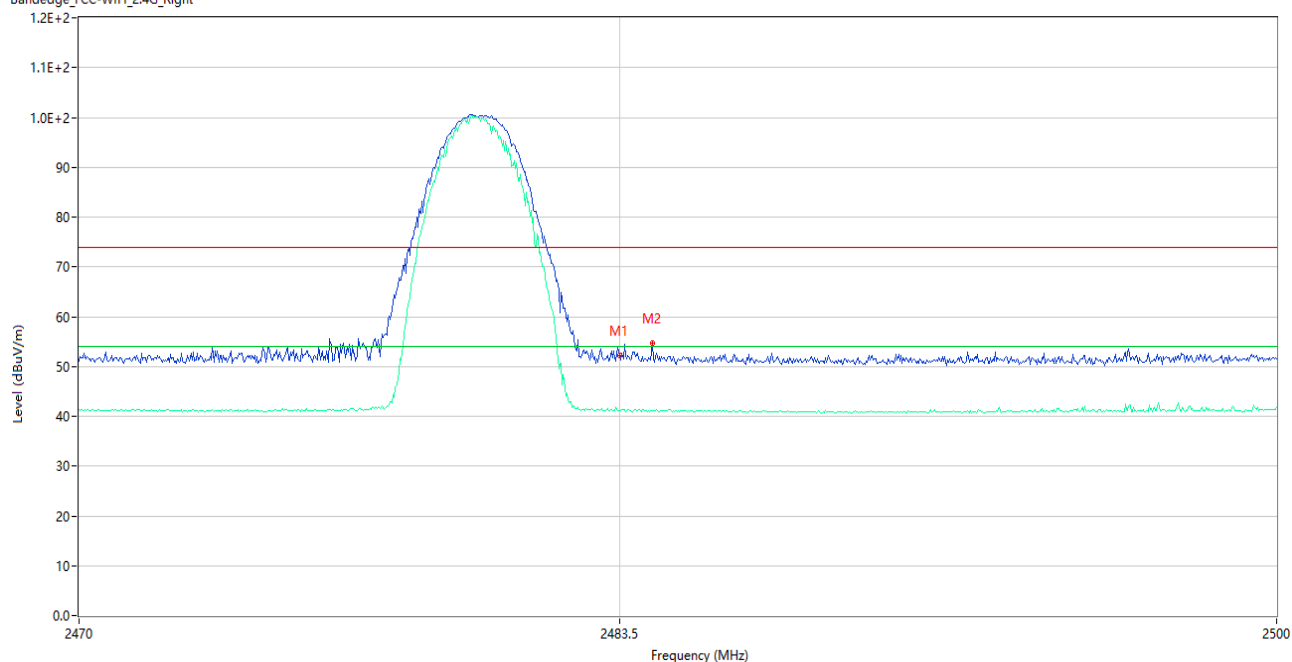
GFSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.46	-4.87	74.0	23.54	Peak	116.29	150	Vertical	Pass
1**	2390.000	40.41	-4.87	54.0	13.59	AV	116.29	150	Vertical	Pass
2	2359.600	52.22	-5.06	74.0	21.78	Peak	250.00	150	Vertical	Pass
2**	2359.600	40.08	-5.06	54.0	13.92	AV	250.00	150	Vertical	Pass

GFSK HIGH CHANNEL

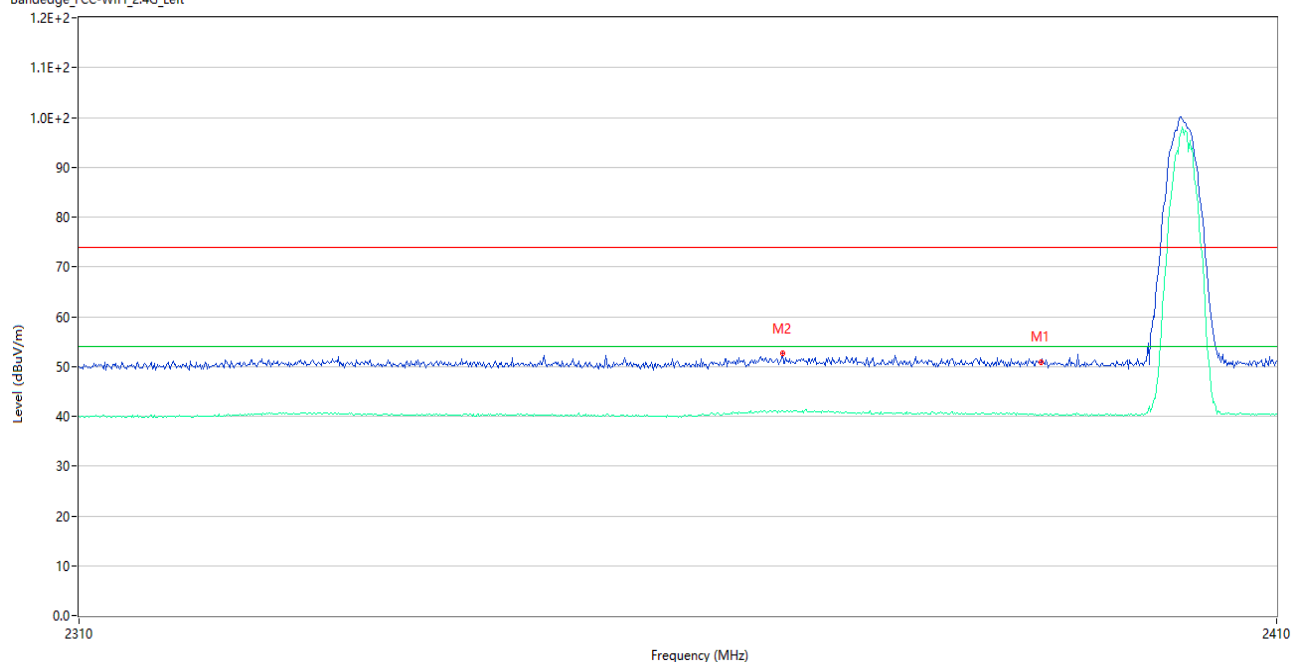
Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.27	-3.78	74.0	21.73	Peak	59.00	150	Vertical	Pass
1**	2483.500	41.23	-3.78	54.0	12.77	AV	59.00	150	Vertical	Pass
2	2484.310	54.64	-3.78	74.0	19.36	Peak	45.00	150	Vertical	Pass
2**	2484.310	41.07	-3.78	54.0	12.93	AV	45.00	150	Vertical	Pass

8-DPSK LOW CHANNEL

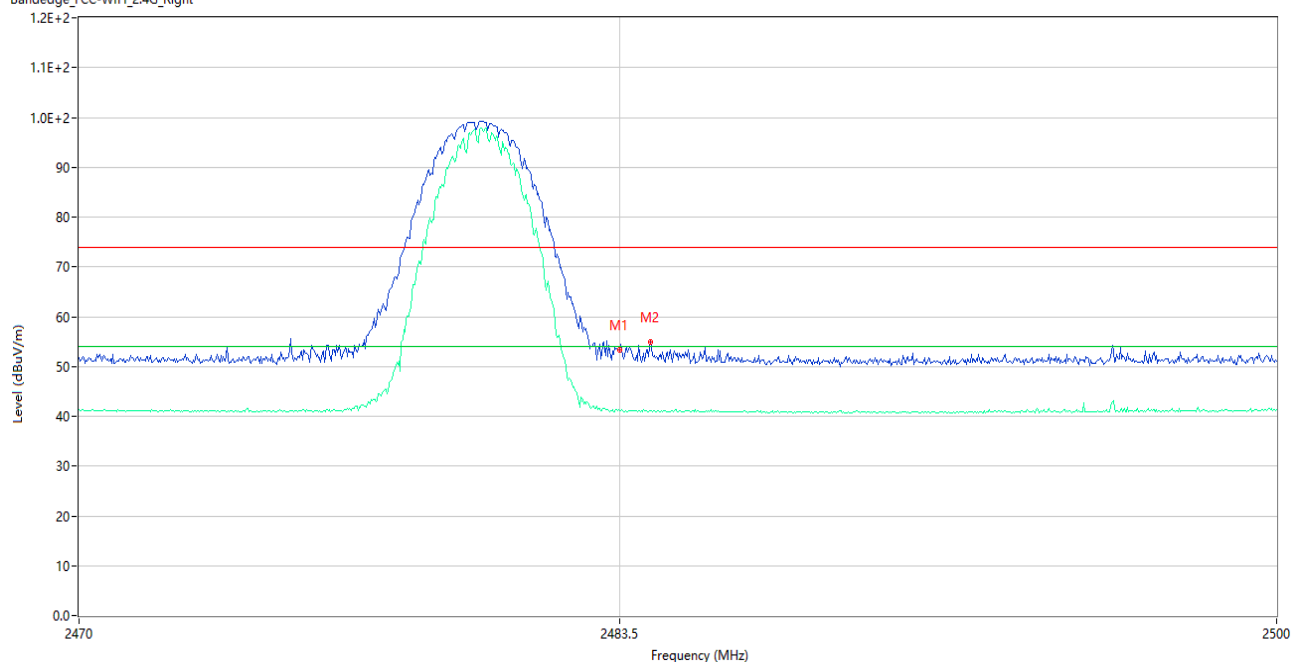
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.95	-4.87	74.0	23.05	Peak	0.00	150	Vertical	Pass
1**	2390.000	40.29	-4.87	54.0	13.71	AV	0.00	150	Vertical	Pass
2	2368.200	52.66	-4.20	74.0	21.34	Peak	3.00	150	Vertical	Pass
2**	2368.200	41.12	-4.20	54.0	12.88	AV	3.00	150	Vertical	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	53.30	-3.78	74.0	20.70	Peak	360.00	150	Vertical	Pass
1**	2483.500	41.16	-3.78	54.0	12.84	AV	360.00	150	Vertical	Pass
2	2484.280	54.94	-3.78	74.0	19.06	Peak	360.00	150	Vertical	Pass
2**	2484.280	41.02	-3.78	54.0	12.98	AV	360.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25A0385-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25A0385-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25A0385-AI.PDF”.

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--END OF REPORT--