

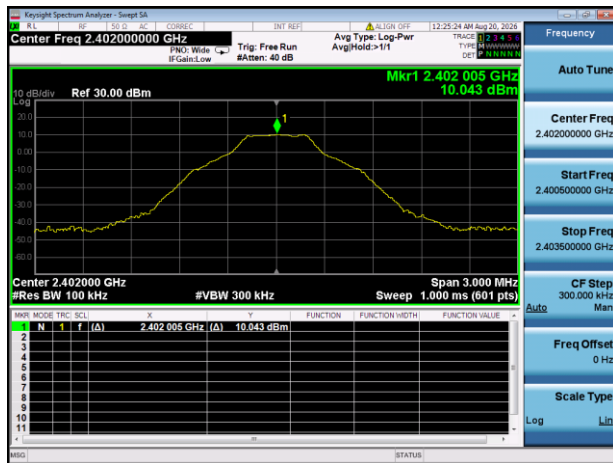
A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

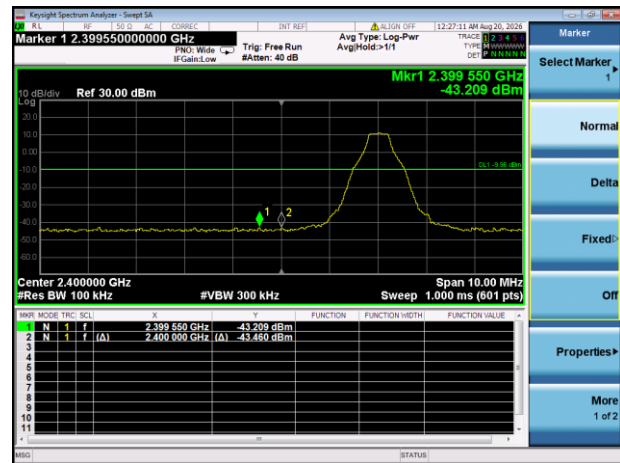
GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.52	10.04	-9.96	Pass
Middle	-26.71	11.92	-8.08	Pass
High	-27.98	11.09	-8.91	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-26.41	9.53	-10.47	Pass
Middle	-26.67	12.04	-7.96	Pass
High	-25.96	10.52	-9.48	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-21.43	11.91	-8.09	Pass
8-DPSK	-15.18	12.65	-7.35	Pass

Test Plots

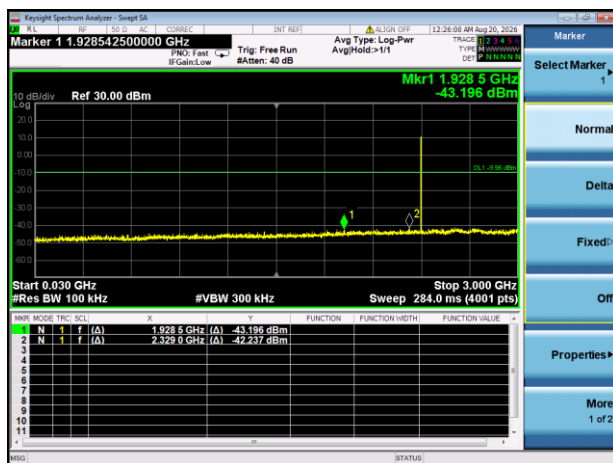
GFSK LOW CHANNEL, CARRIER LEVEL



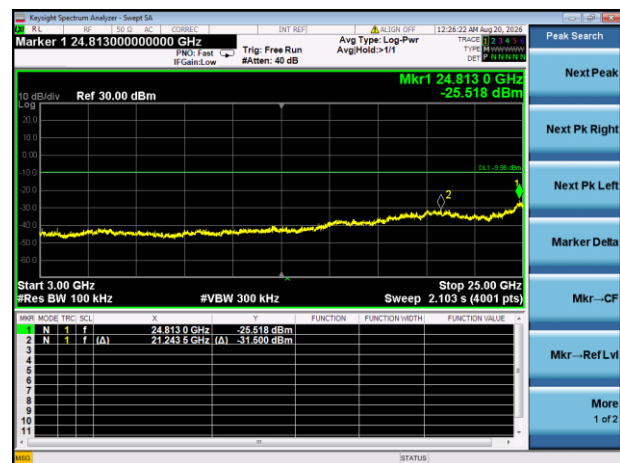
GFSK LOW CHANNEL, BAND EDGE



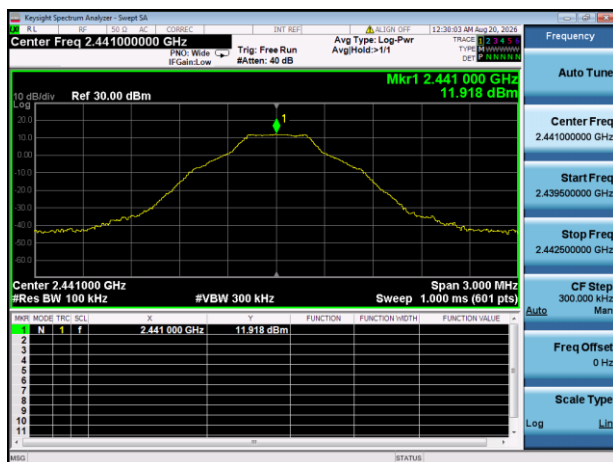
GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



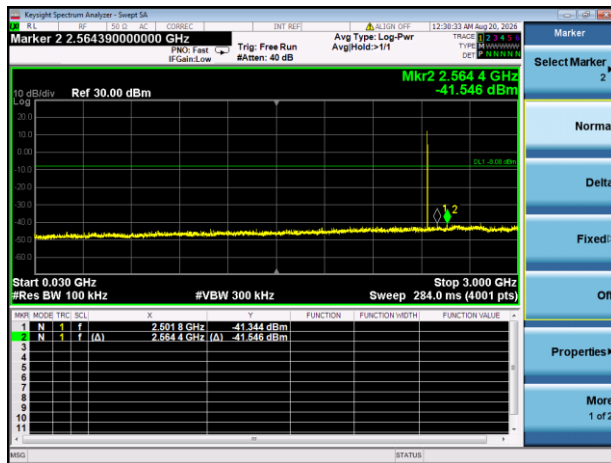
GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



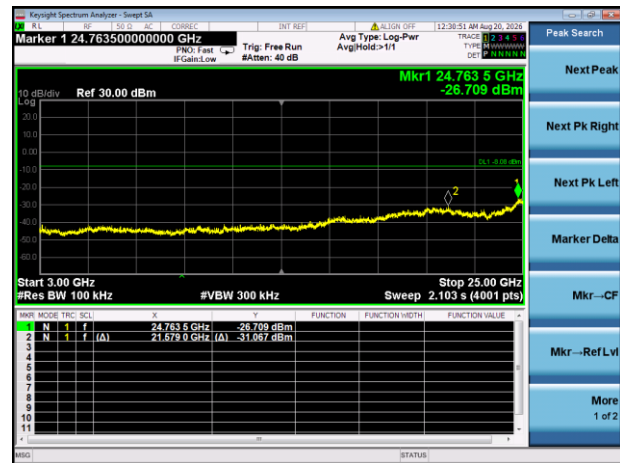
GFSK MIDDLE CHANNEL, CARRIER LEVEL



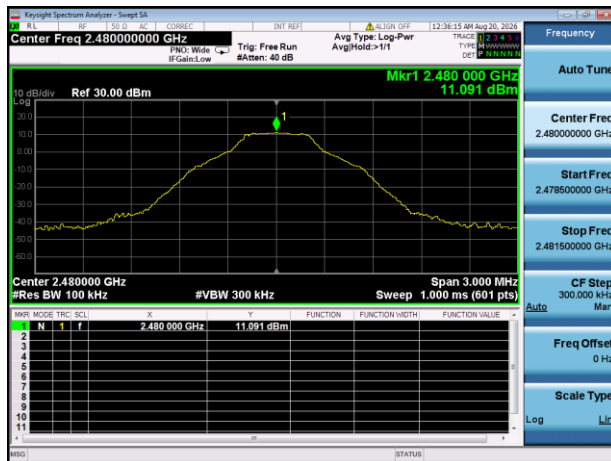
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



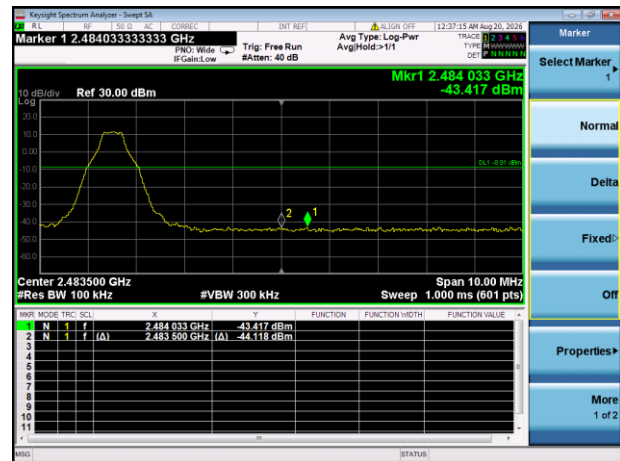
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



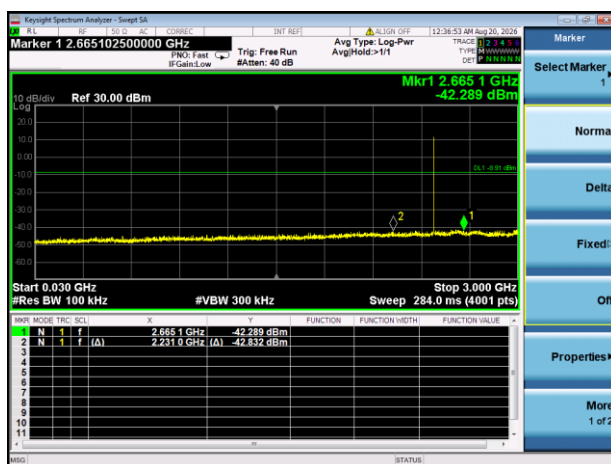
GFSK HIGH CHANNEL, CARRIER LEVEL



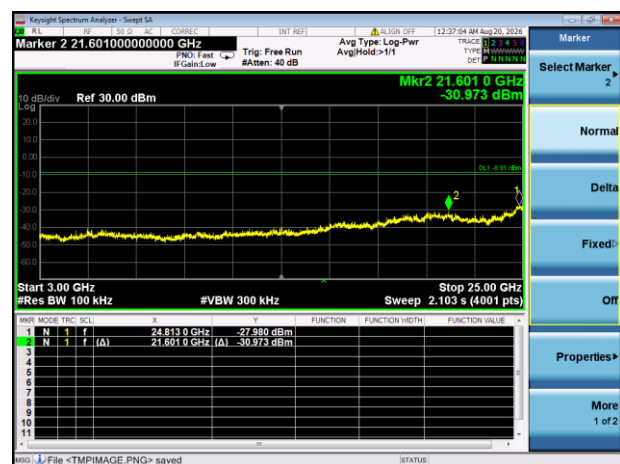
GFSK HIGH CHANNEL, BAND EDGE



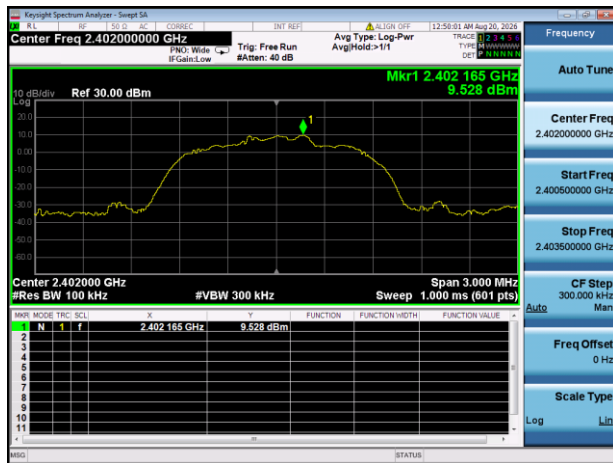
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



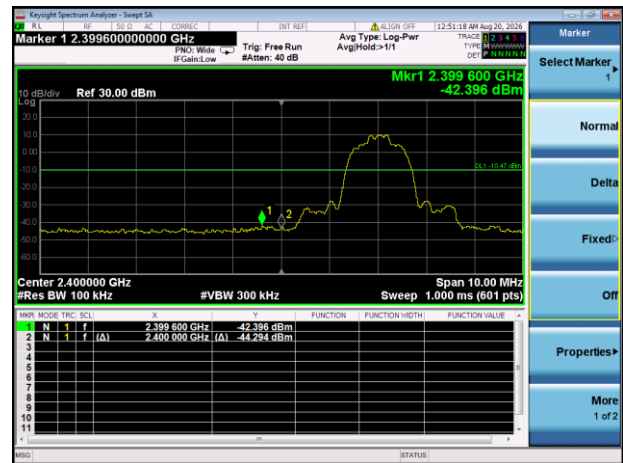
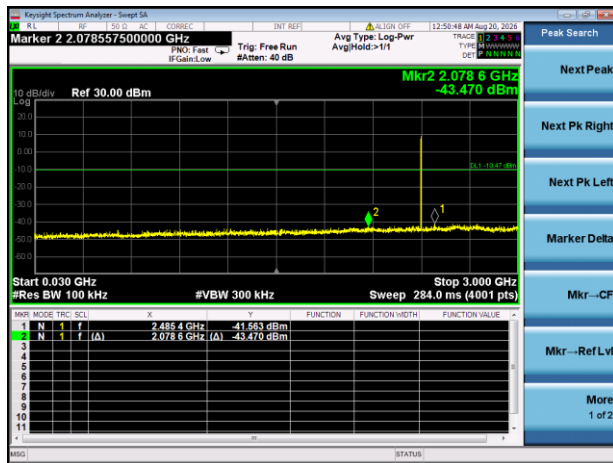
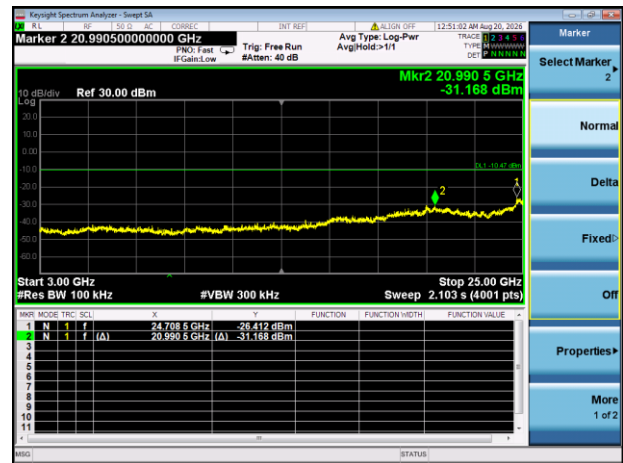
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



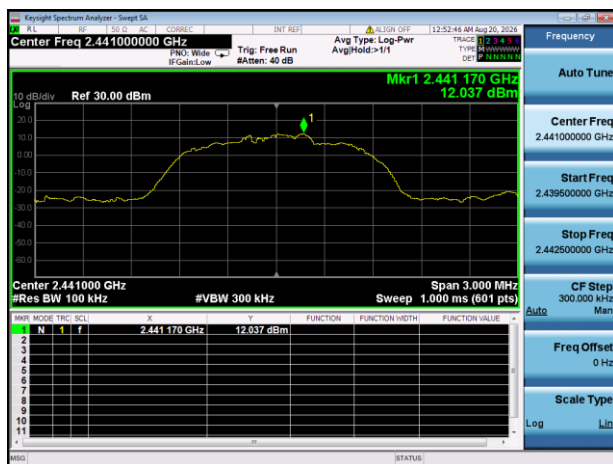
8-DPSK LOW CHANNEL, CARRIER LEVEL



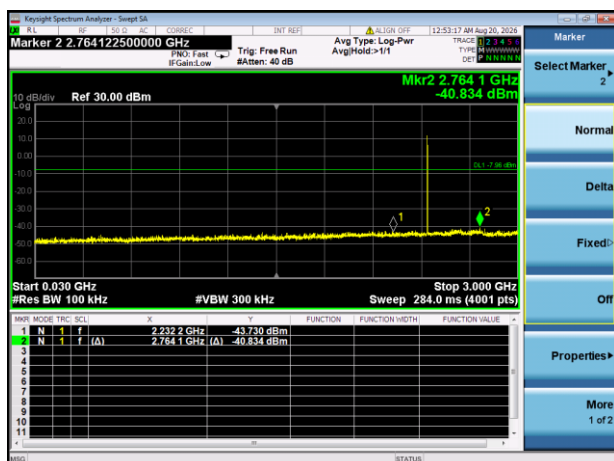
8-DPSK LOW CHANNEL, BAND EDGE

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

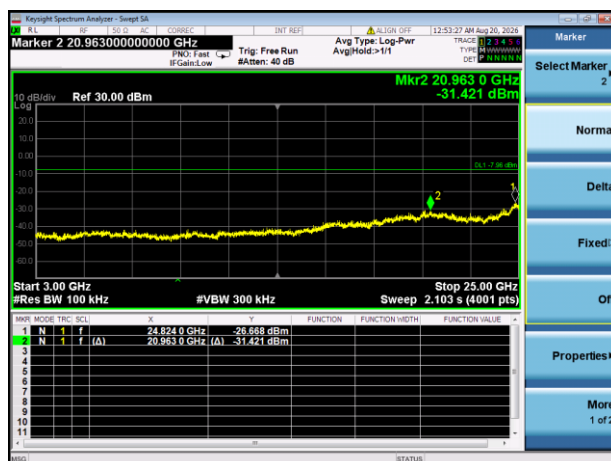
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



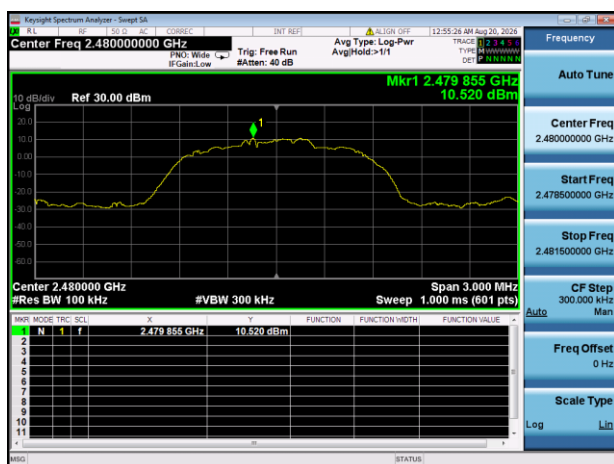
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



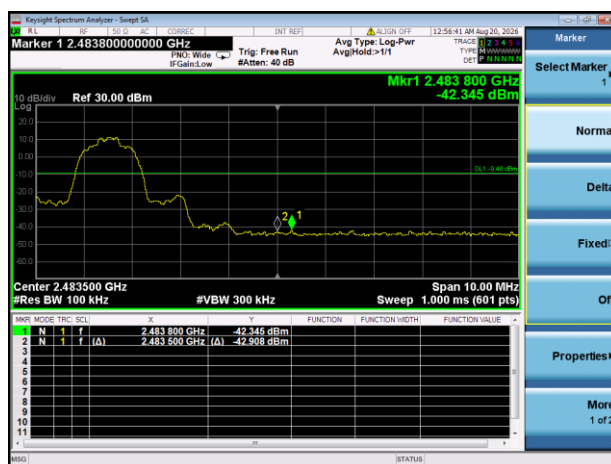
8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



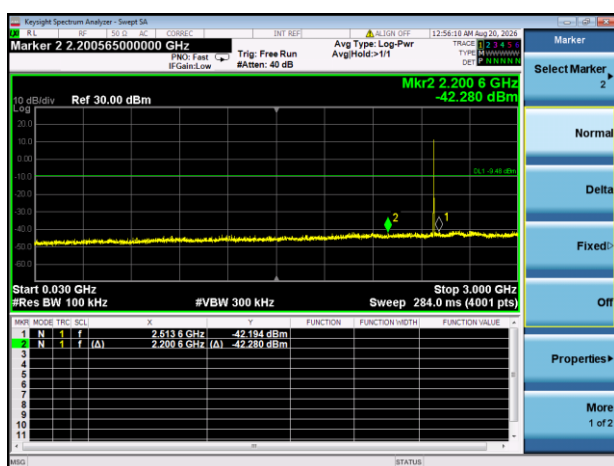
8-DPSK HIGH CHANNEL, CARRIER LEVEL



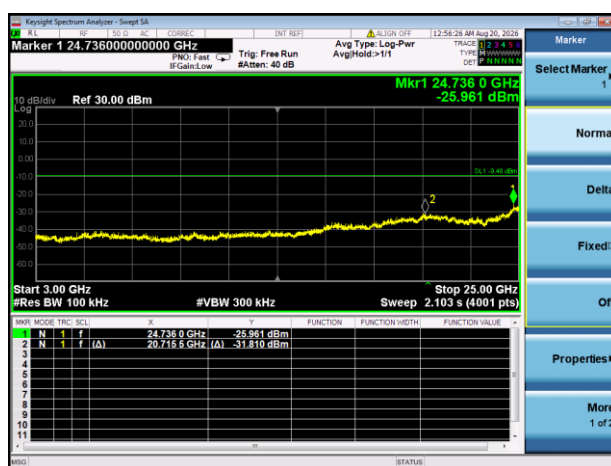
8-DPSK HIGH CHANNEL, BAND EDGE



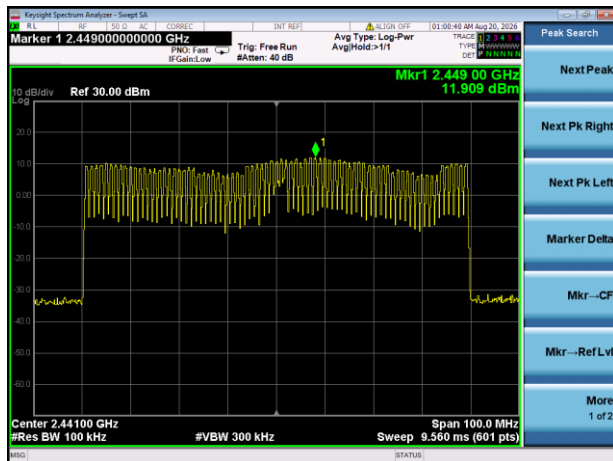
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



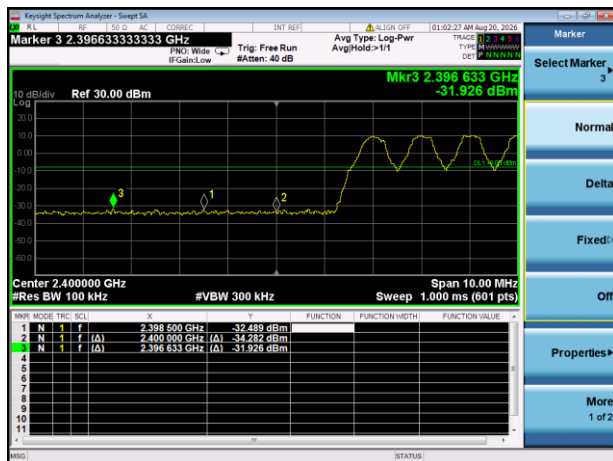
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



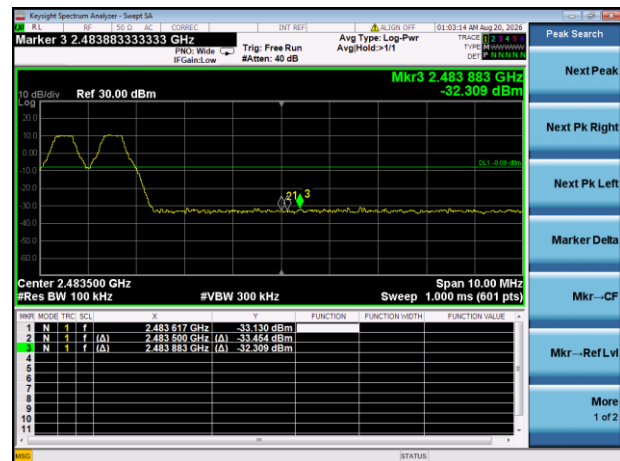
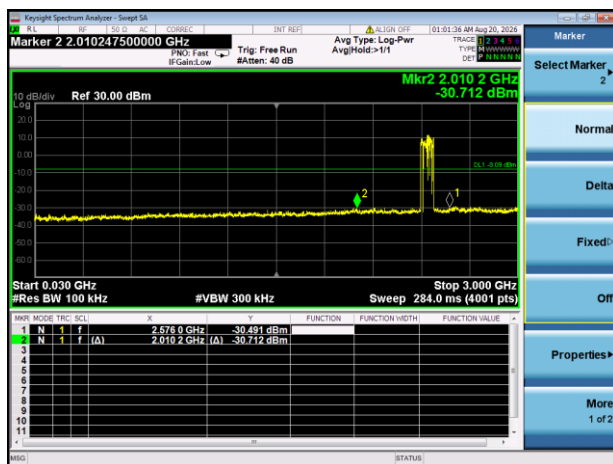
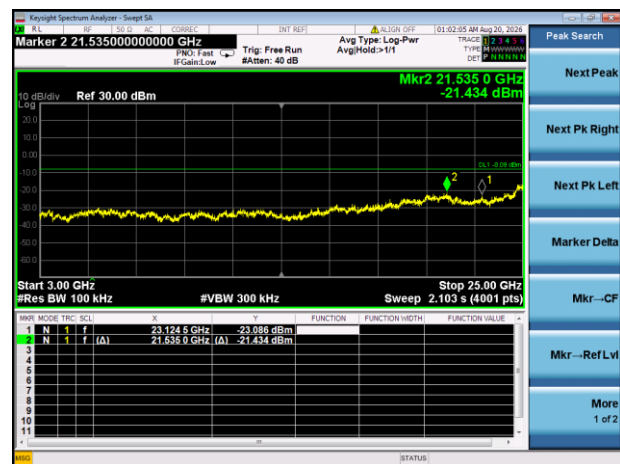
GFSK HOPPING, CARRIER LEVEL



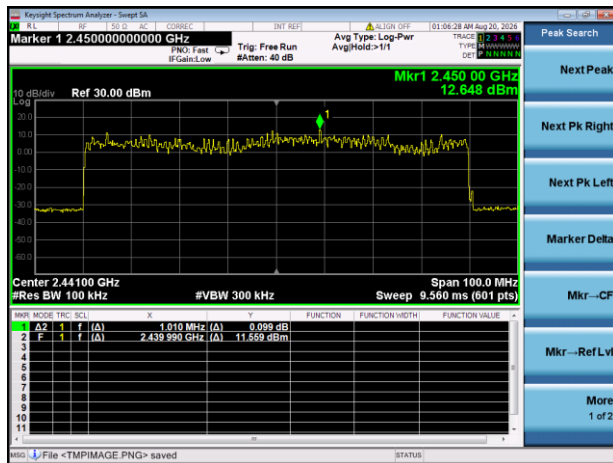
GFSK HOPPING BAND EDGE (LOW)



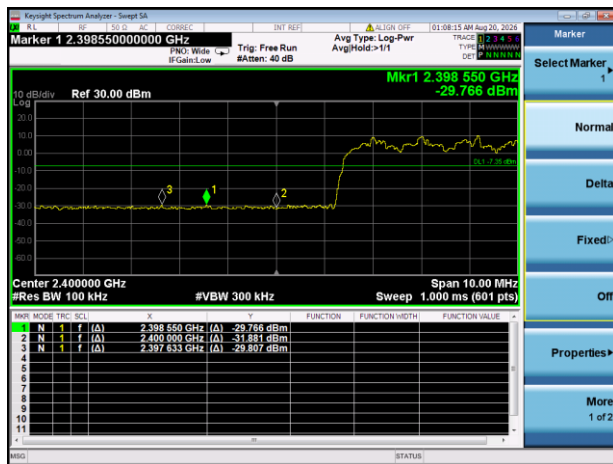
GFSK HOPPING BAND EDGE (HIGH)

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

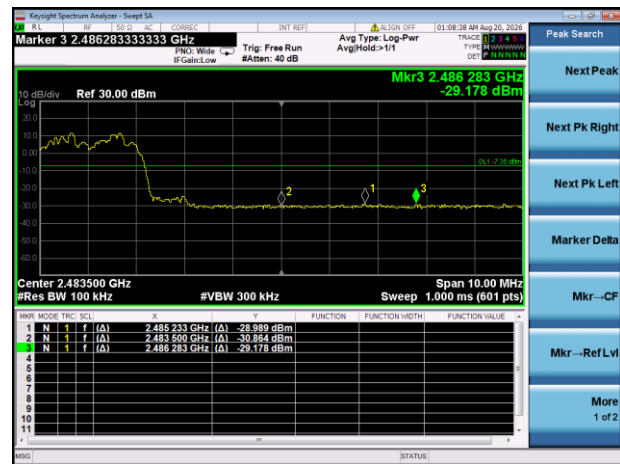
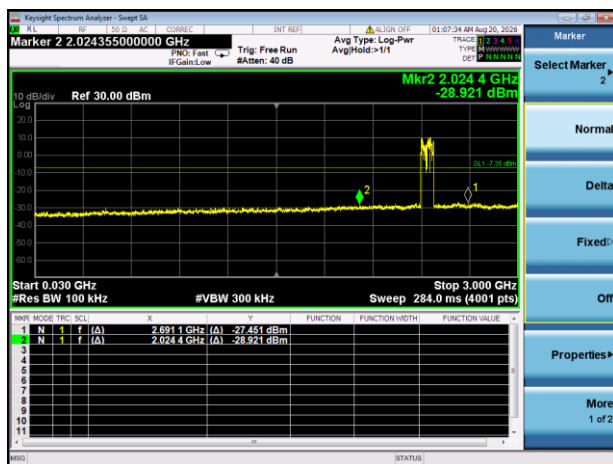
8-DPSK HOPPING, CARRIER LEVEL



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 Emissions

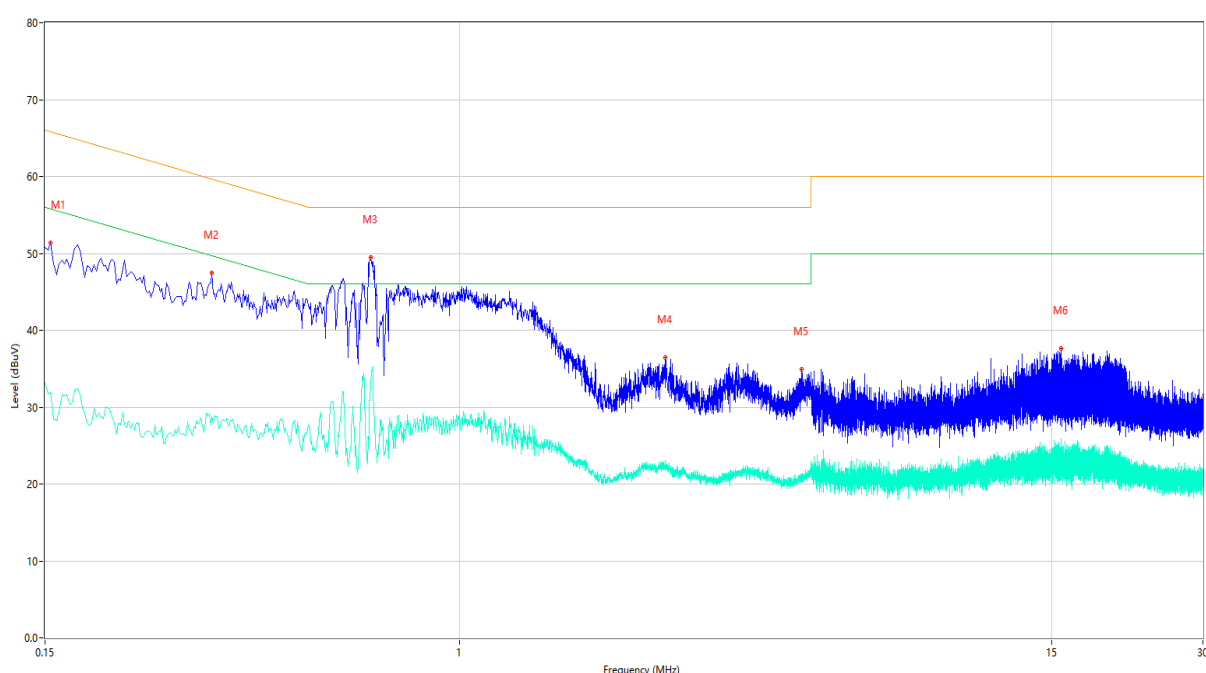
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

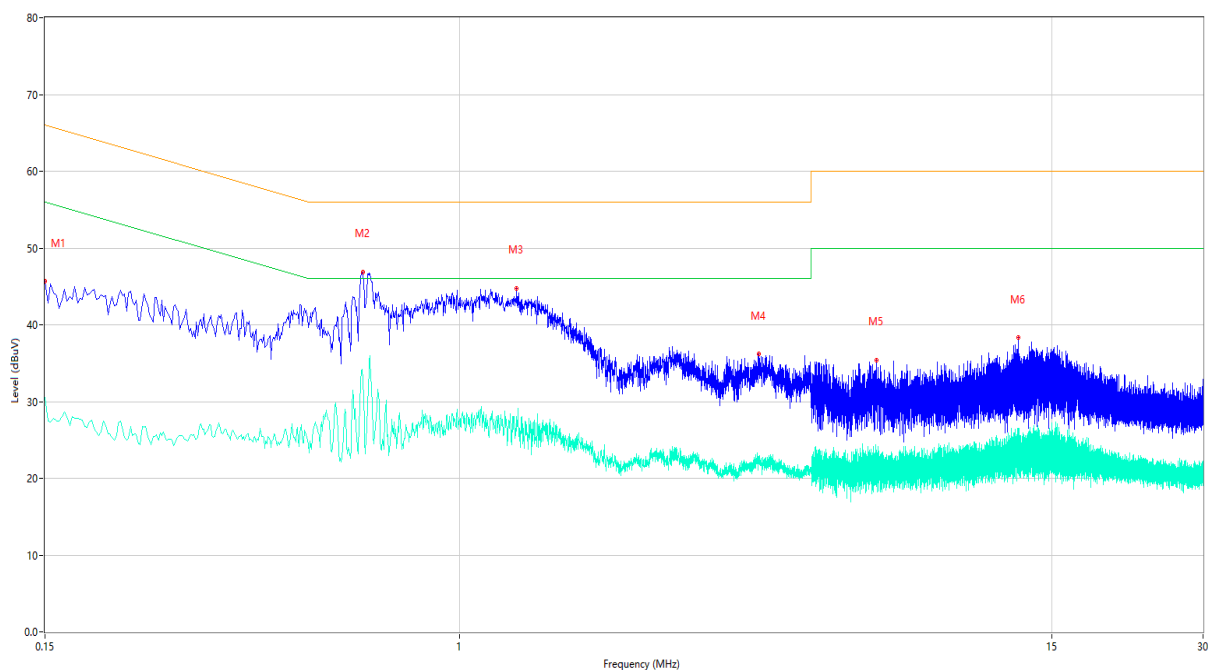
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	51.42	10.21	65.78	14.36	Peak	L	Pass
1**	0.154	32.00	10.21	55.78	23.78	AV	L	Pass
2	0.322	47.40	10.22	59.66	12.26	Peak	L	Pass
2**	0.322	28.78	10.22	49.66	20.88	AV	L	Pass
3	0.666	49.46	10.26	56.00	6.54	Peak	L	Pass
3**	0.666	33.33	10.26	46.00	12.67	AV	L	Pass
4	2.566	36.47	10.31	56.00	19.53	Peak	L	Pass
4**	2.566	23.02	10.31	46.00	22.98	AV	L	Pass
5	4.786	34.90	10.35	56.00	21.10	Peak	L	Pass
5**	4.786	20.70	10.35	46.00	25.30	AV	L	Pass
6	15.692	37.60	10.88	60.00	22.40	Peak	L	Pass
6**	15.692	23.66	10.88	50.00	26.34	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	45.66	10.22	66.00	20.34	Peak	N	Pass
1**	0.150	30.55	10.22	56.00	25.45	AV	N	Pass
2	0.642	46.90	10.14	56.00	9.10	Peak	N	Pass
2**	0.642	32.92	10.14	46.00	13.08	AV	N	Pass
3	1.298	44.78	10.15	56.00	11.22	Peak	N	Pass
3**	1.298	28.01	10.15	46.00	17.99	AV	N	Pass
4	3.932	36.16	10.18	56.00	19.84	Peak	N	Pass
4**	3.932	22.88	10.18	46.00	23.12	AV	N	Pass
5	6.734	35.42	10.22	60.00	24.58	Peak	N	Pass
5**	6.734	23.41	10.22	50.00	26.59	AV	N	Pass
6	12.886	38.29	10.51	60.00	21.71	Peak	N	Pass
6**	12.886	26.07	10.51	50.00	23.93	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, 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 and DH5-Hopping mode is the worst.

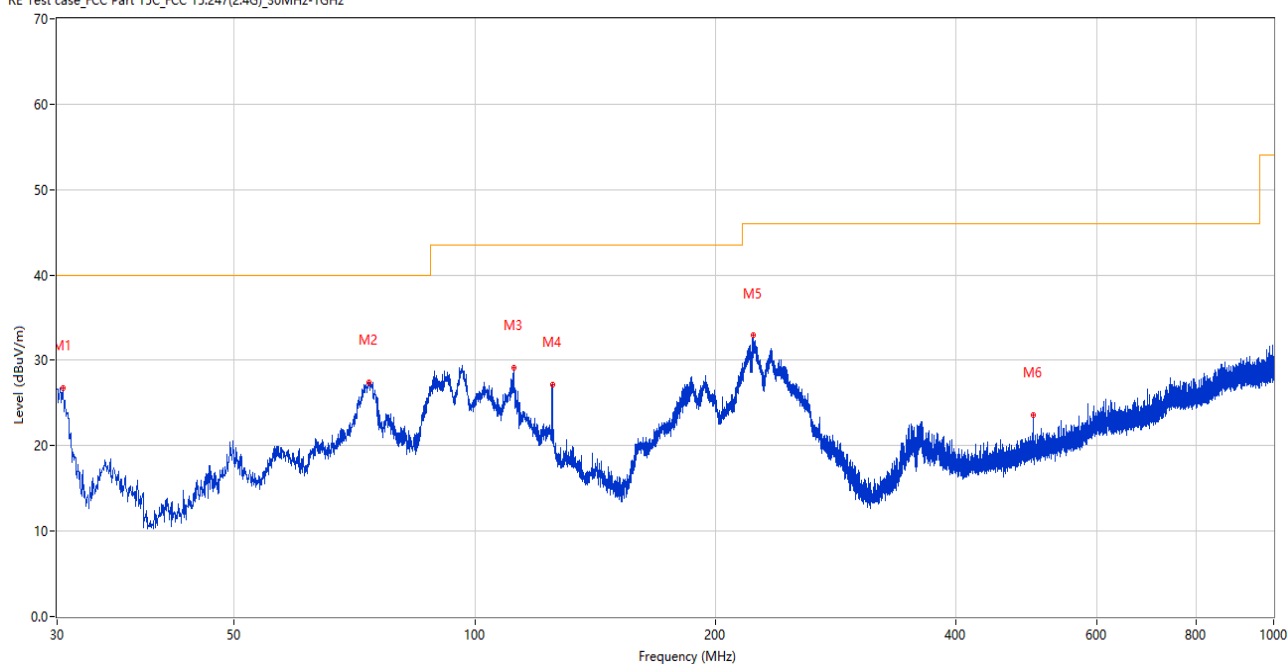
Note ⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

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

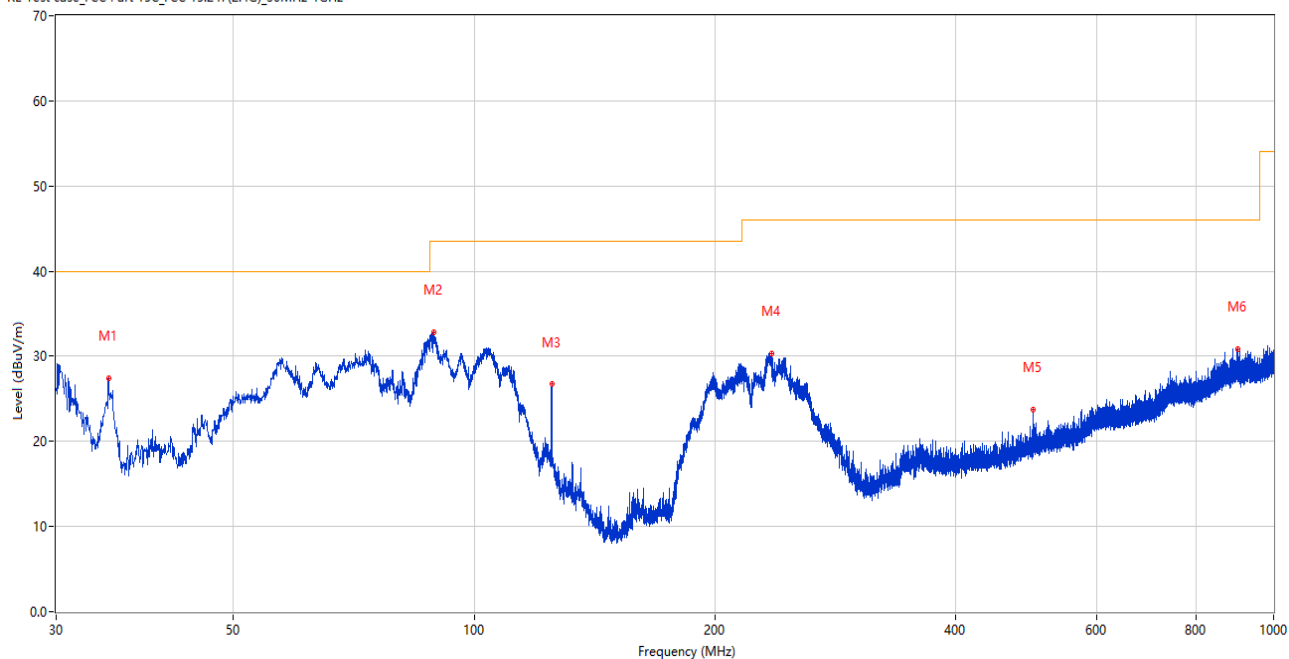
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.485	26.72	-28.98	40.0	13.28	Peak	360.00	200	Horizontal	Pass
2	73.602	27.48	-30.10	40.0	12.52	Peak	221.00	200	Horizontal	Pass
3	111.965	29.15	-26.81	43.5	14.35	Peak	179.00	100	Horizontal	Pass
4	125.011	27.12	-28.74	43.5	16.38	Peak	345.00	100	Horizontal	Pass
5	223.079	32.90	-25.54	46.0	13.10	Peak	279.00	100	Horizontal	Pass
6	500.014	23.63	-18.07	46.0	22.37	Peak	105.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



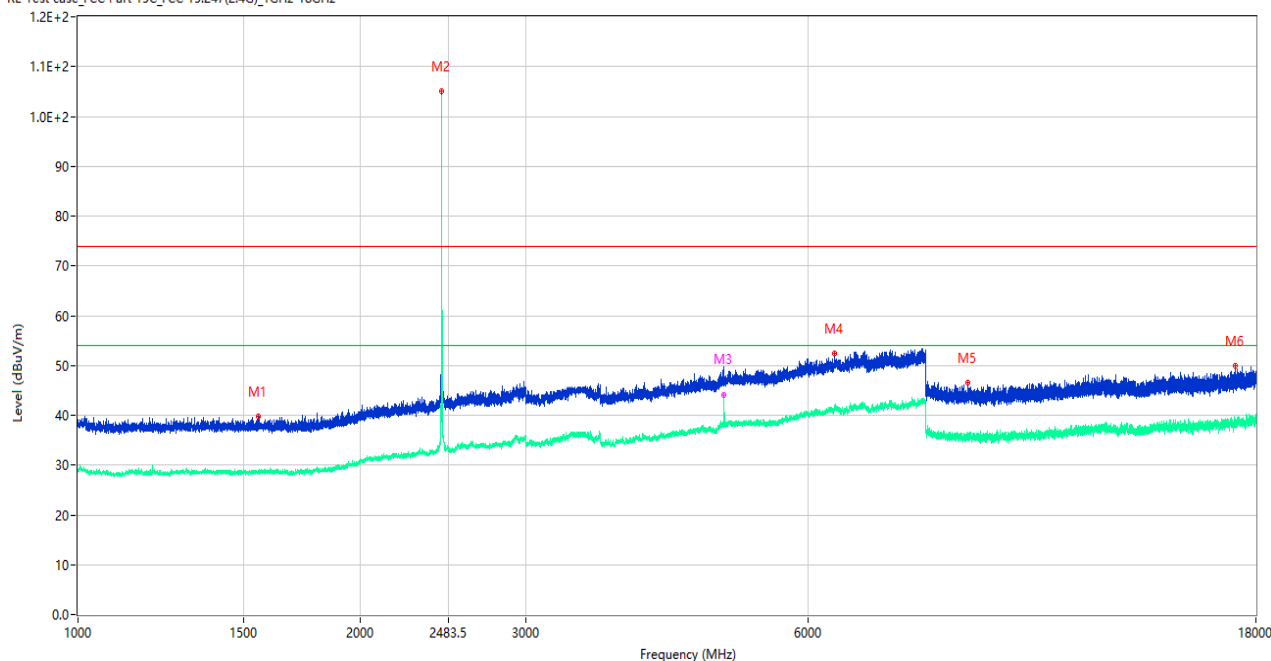
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.898	27.47	-27.79	40.0	12.53	Peak	0.00	100	Vertical	Pass
2	89.121	32.88	-28.34	43.5	10.62	Peak	245.00	100	Vertical	Pass
3	125.011	26.70	-28.74	43.5	16.80	Peak	71.00	200	Vertical	Pass
4	235.301	30.35	-24.71	46.0	15.65	Peak	163.00	100	Vertical	Pass
5	499.965	23.73	-18.07	46.0	22.27	Peak	245.00	200	Vertical	Pass
6	901.302	30.89	-9.25	46.0	15.11	Peak	62.00	100	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

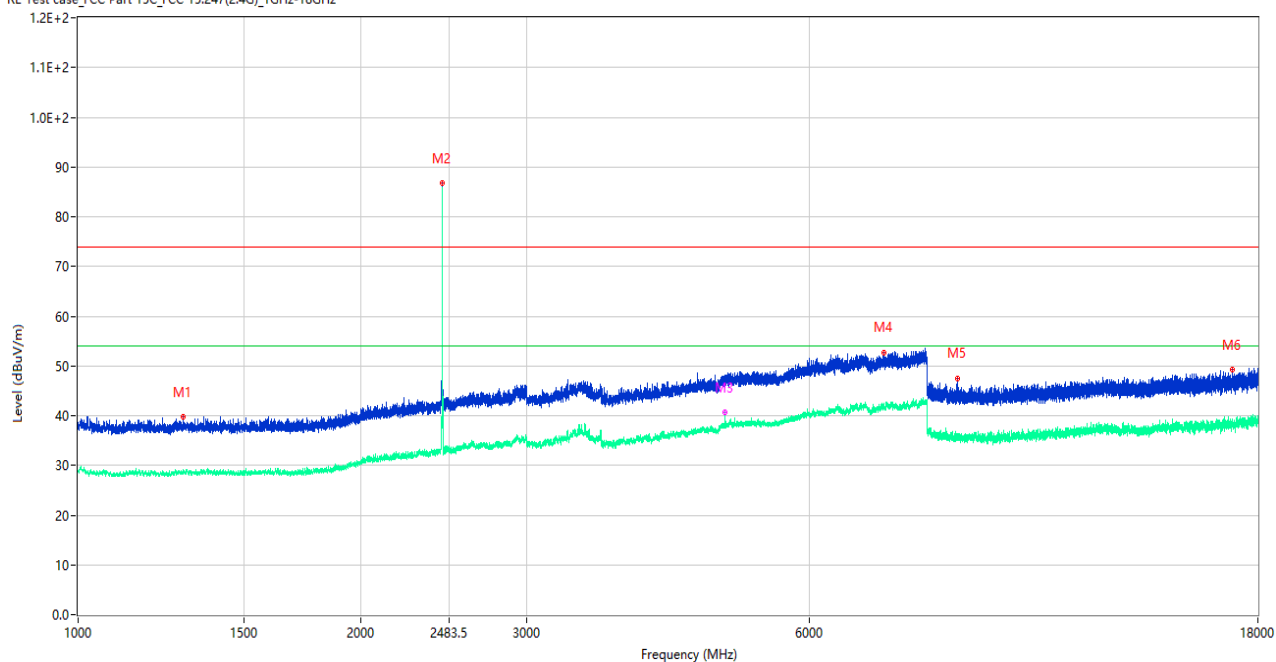
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.000	39.67	-16.00	74.0	34.33	Peak	84.00	150	Horizontal	Pass
1**	1555.000	28.51	-16.00	54.0	25.49	AV	84.00	150	Horizontal	Pass
2	2441.000	105.00	-12.39	74.0	-31.00	Peak	232.00	150	Horizontal	N/A
2**	2441.000	103.48	-12.39	54.0	-49.48	AV	232.00	150	Horizontal	N/A
3	4882.500	49.17	-2.31	74.0	24.83	Peak	26.00	150	Horizontal	Pass
3**	4882.500	44.01	-2.31	54.0	9.99	AV	26.00	150	Horizontal	Pass
4	6405.000	52.40	0.35	74.0	21.60	Peak	70.00	150	Horizontal	Pass
4**	6405.000	41.46	0.35	54.0	12.54	AV	70.00	150	Horizontal	Pass
5	8874.500	46.48	-4.56	74.0	27.52	Peak	134.00	150	Horizontal	Pass
5**	8874.500	35.35	-4.56	54.0	18.65	AV	134.00	150	Horizontal	Pass
6	17115.000	49.98	-0.22	74.0	24.02	Peak	199.00	150	Horizontal	Pass
6**	17115.000	38.60	-0.22	54.0	15.40	AV	199.00	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

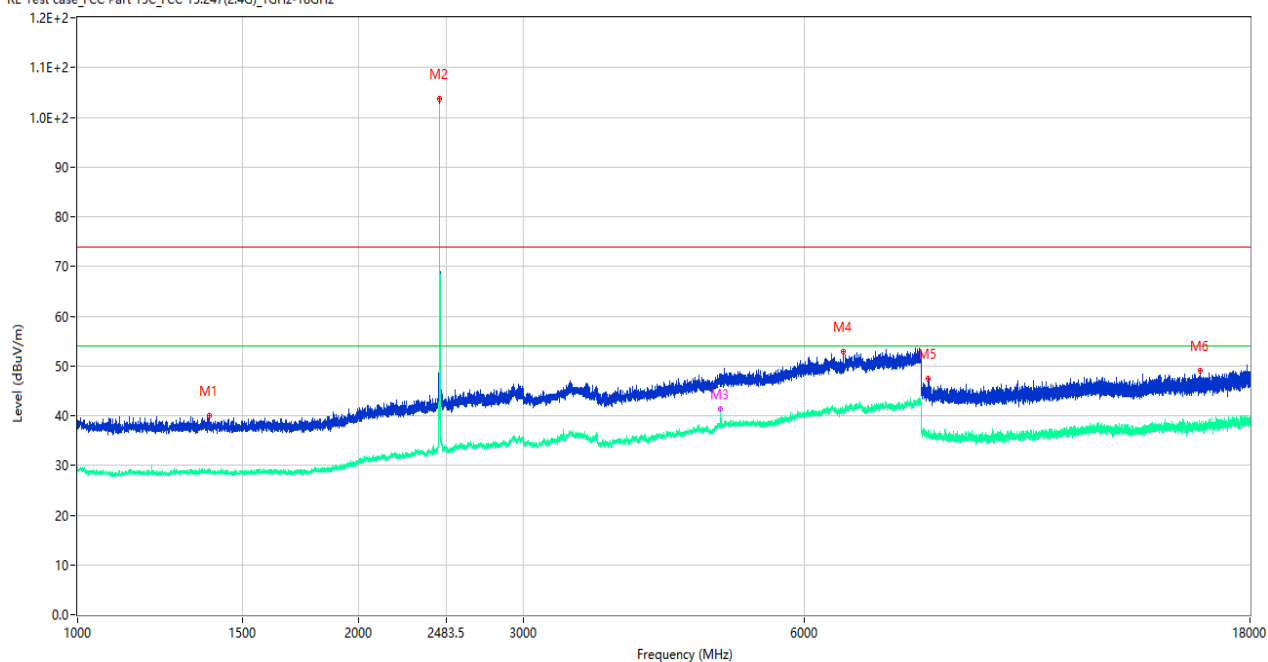
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1292.000	39.83	-15.81	74.0	34.17	Peak	0.00	150	Vertical	Pass
1**	1292.000	28.45	-15.81	54.0	25.55	AV	0.00	150	Vertical	Pass
2	2441.000	86.78	-12.39	74.0	-12.78	Peak	229.00	150	Vertical	N/A
2**	2441.000	85.49	-12.39	54.0	-31.49	AV	229.00	150	Vertical	N/A
3	4882.500	47.10	-2.31	74.0	26.90	Peak	224.00	150	Vertical	Pass
3**	4882.500	40.60	-2.31	54.0	13.40	AV	224.00	150	Vertical	Pass
4	7205.000	52.64	0.79	74.0	21.36	Peak	114.00	150	Vertical	Pass
4**	7205.000	42.05	0.79	54.0	11.95	AV	114.00	150	Vertical	Pass
5	8627.500	47.42	-5.47	74.0	26.58	Peak	269.00	150	Vertical	Pass
5**	8627.500	35.56	-5.47	54.0	18.44	AV	269.00	150	Vertical	Pass
6	16890.500	49.21	-0.49	74.0	24.79	Peak	360.00	150	Vertical	Pass
6**	16890.500	38.73	-0.49	54.0	15.27	AV	360.00	150	Vertical	Pass

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

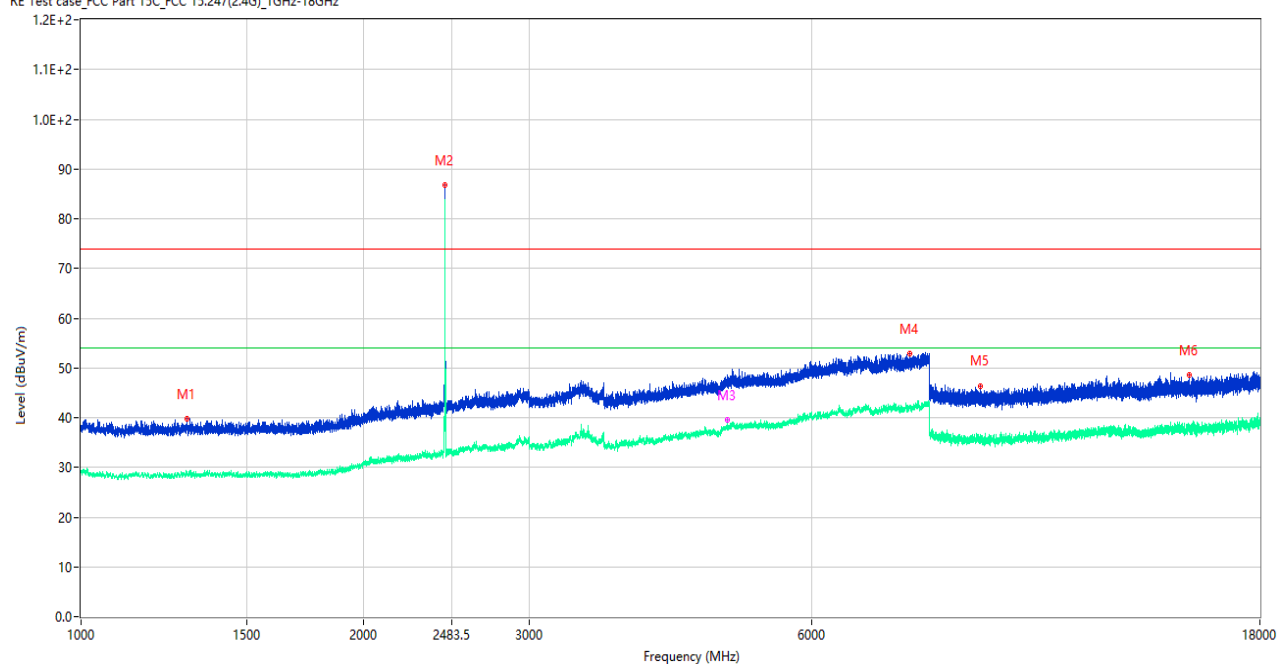
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.500	39.96	-15.97	74.0	34.04	Peak	153.00	150	Horizontal	Pass
1**	1383.500	28.63	-15.97	54.0	25.37	AV	153.00	150	Horizontal	Pass
2	2441.250	103.77	-12.40	74.0	-29.77	Peak	31.00	150	Horizontal	N/A
2**	2441.250	101.68	-12.40	54.0	-47.68	AV	31.00	150	Horizontal	N/A
3	4882.500	46.93	-2.31	74.0	27.07	Peak	11.00	150	Horizontal	Pass
3**	4882.500	40.46	-2.31	54.0	13.54	AV	11.00	150	Horizontal	Pass
4	6609.500	52.79	-0.05	74.0	21.21	Peak	203.00	150	Horizontal	Pass
4**	6609.500	40.45	-0.05	54.0	13.55	AV	203.00	150	Horizontal	Pass
5	8150.000	47.47	-5.46	74.0	26.53	Peak	155.00	150	Horizontal	Pass
5**	8150.000	36.25	-5.46	54.0	17.75	AV	155.00	150	Horizontal	Pass
6	15936.000	49.02	-2.20	74.0	24.98	Peak	68.00	150	Horizontal	Pass
6**	15936.000	37.69	-2.20	54.0	16.31	AV	68.00	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	1295.250	39.79	-15.72	74.0	34.21	Peak	33.00	150	Vertical	Pass
1**	1295.250	28.69	-15.72	54.0	25.31	AV	33.00	150	Vertical	Pass
2	2441.000	86.77	-12.39	74.0	-12.77	Peak	159.00	150	Vertical	N/A
2**	2441.000	83.42	-12.39	54.0	-29.42	AV	159.00	150	Vertical	N/A
3	4882.500	46.03	-2.31	74.0	27.97	Peak	216.00	150	Vertical	Pass
3**	4882.500	39.49	-2.31	54.0	14.51	AV	216.00	150	Vertical	Pass
4	7628.500	52.93	0.70	74.0	21.07	Peak	223.00	150	Vertical	Pass
4**	7628.500	42.35	0.70	54.0	11.65	AV	223.00	150	Vertical	Pass
5	9061.000	46.29	-4.63	74.0	27.71	Peak	205.00	150	Vertical	Pass
5**	9061.000	35.57	-4.63	54.0	18.43	AV	205.00	150	Vertical	Pass
6	15130.000	48.55	-2.33	74.0	25.45	Peak	32.00	150	Vertical	Pass
6**	15130.000	37.17	-2.33	54.0	16.83	AV	32.00	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, 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.

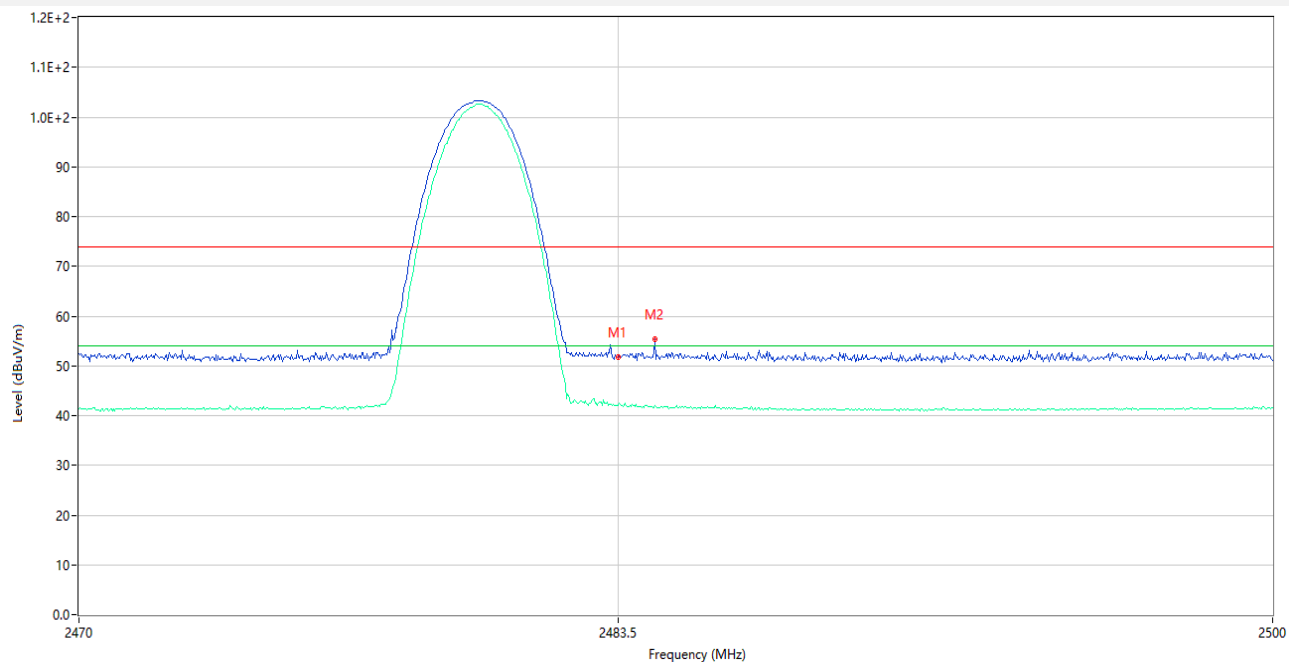
Test Data and Plots

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	51.41	-4.87	74.0	22.59	Peak	47.29	150	Vertical	Pass
1**	2390.000	40.90	-4.87	54.0	13.10	AV	47.29	150	Vertical	Pass
2	2369.700	52.90	-4.04	74.0	21.10	Peak	94.00	150	Vertical	Pass
2**	2369.700	41.25	-4.04	54.0	12.75	AV	94.00	150	Vertical	Pass

GFSK HIGH CHANNEL



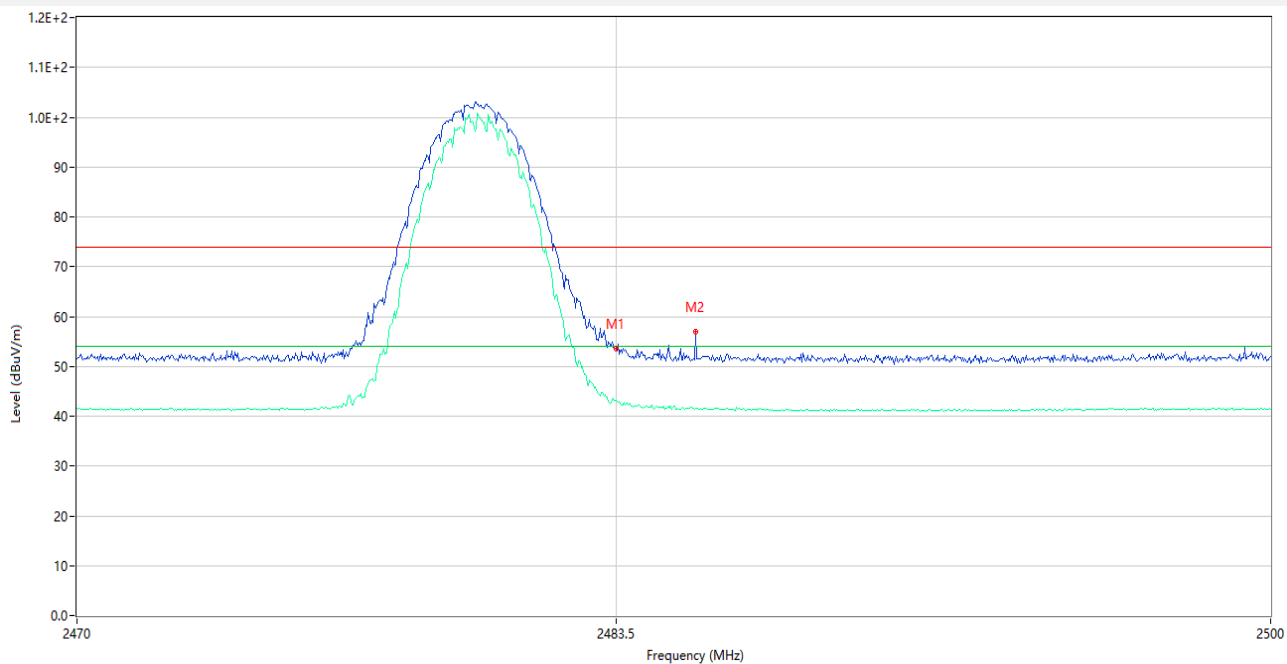
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.74	-3.78	74.0	22.26	Peak	248.00	150	Horizontal	Pass
1**	2483.500	42.08	-3.78	54.0	11.92	AV	248.00	150	Horizontal	Pass
2	2484.430	55.43	-3.78	74.0	18.57	Peak	109.00	150	Horizontal	Pass
2**	2484.430	42.03	-3.78	54.0	11.97	AV	109.00	150	Horizontal	Pass

8-DPSK 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	50.98	-4.87	74.0	23.02	Peak	7.03	150	Horizontal	Pass
1**	2390.000	40.48	-4.87	54.0	13.52	AV	7.03	150	Horizontal	Pass
2	2367.600	53.51	-4.27	74.0	20.49	Peak	0.00	150	Horizontal	Pass
2**	2367.600	40.94	-4.27	54.0	13.06	AV	0.00	150	Horizontal	Pass

8-DPSK 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	53.56	-3.78	74.0	20.44	Peak	240.00	150	Horizontal	Pass
1**	2483.500	43.23	-3.78	54.0	10.77	AV	240.00	150	Horizontal	Pass
2	2485.510	56.84	-3.78	74.0	17.16	Peak	151.00	150	Horizontal	Pass
2**	2485.510	41.63	-3.78	54.0	12.37	AV	151.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26080210-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26080210-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26080210-AI.PDF”.

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--END OF REPORT--