

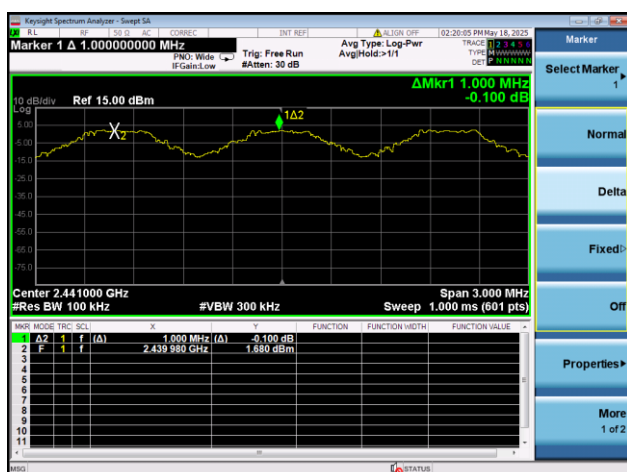
A.4 Hopping Frequency Separation

Test Data

Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.753	Pass
8-DPSK	1.005	0.857	Pass

Test Plots

GFSK



8-DPSK



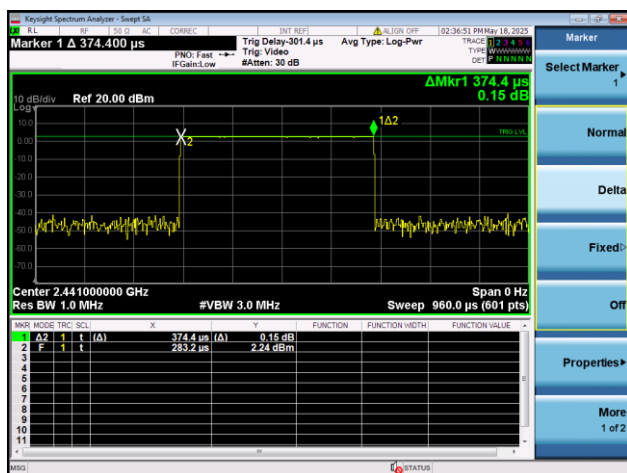
A.5 Average Time of Occupancy

Test Data

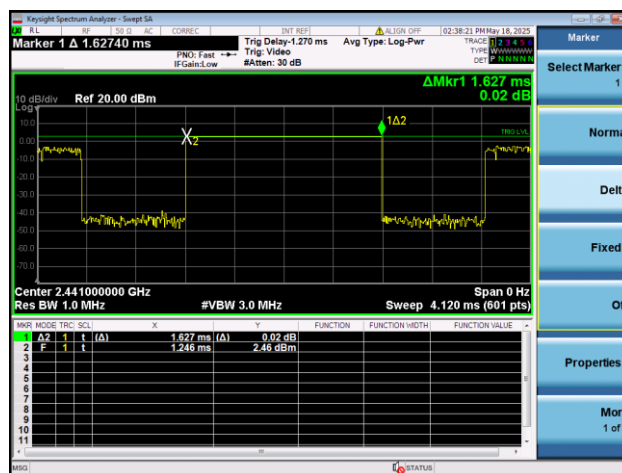
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37440	119.808	0.4	Pass
DH 3	1.62700	260.320	0.4	Pass
DH 5	2.87600	306.773	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.37920	121.344	0.4	Pass
3DH 3	1.62700	260.320	0.4	Pass
3DH 5	2.87600	306.773	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37280	59.648	0.4	Pass
DH 3	1.63400	130.720	0.4	Pass
DH 5	2.87600	153.387	0.4	Pass

Test Plots

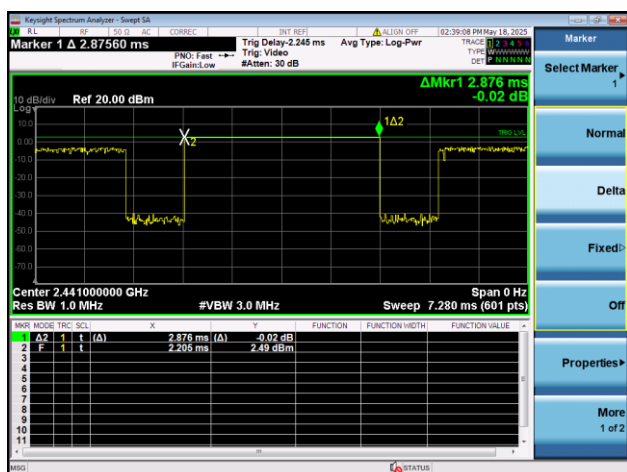
GFSK DH1



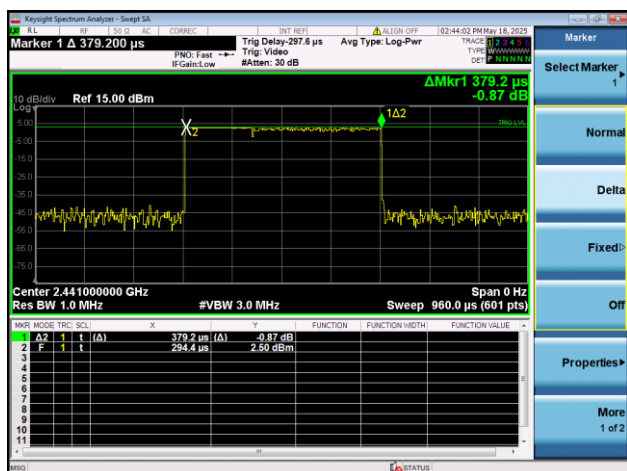
GFSK DH3



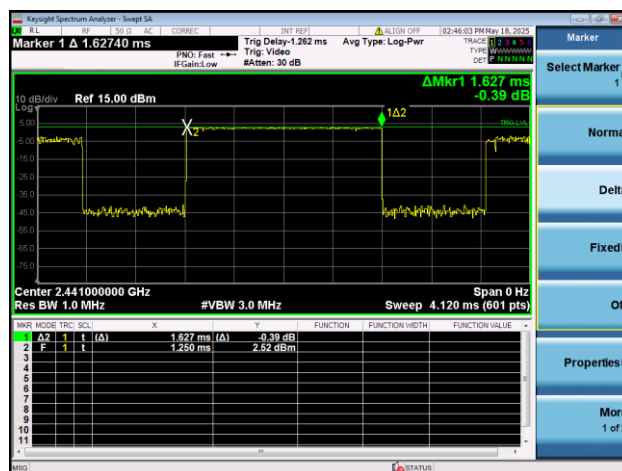
GFSK DH5



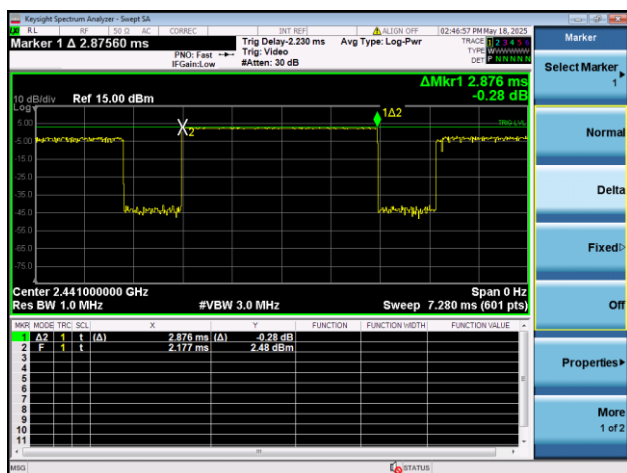
8-DPSK 3DH1



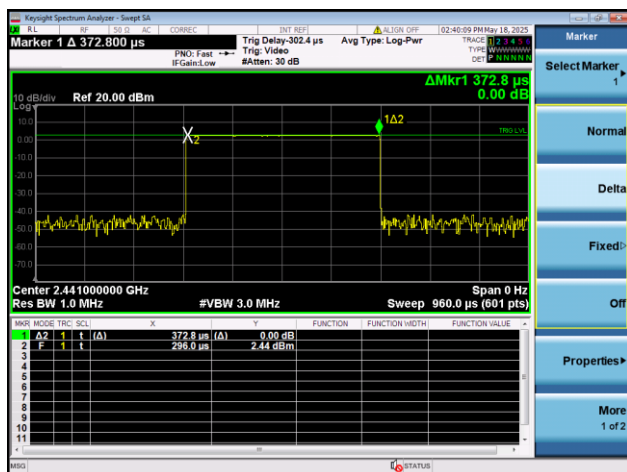
8-DPSK 3DH3



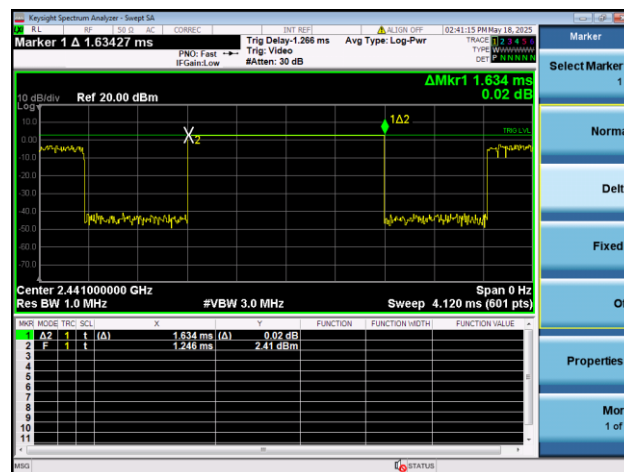
8-DPSK 3DH5



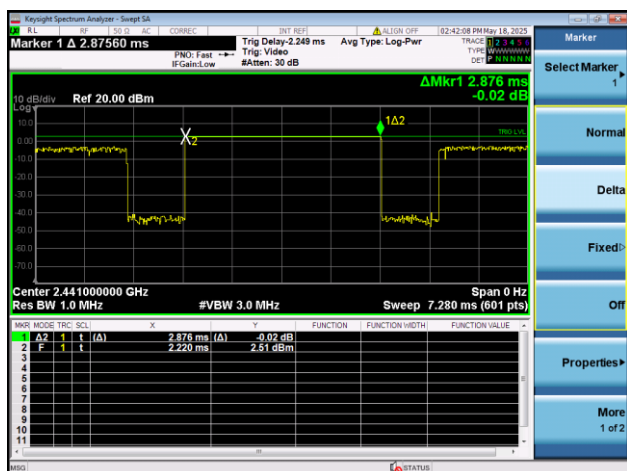
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

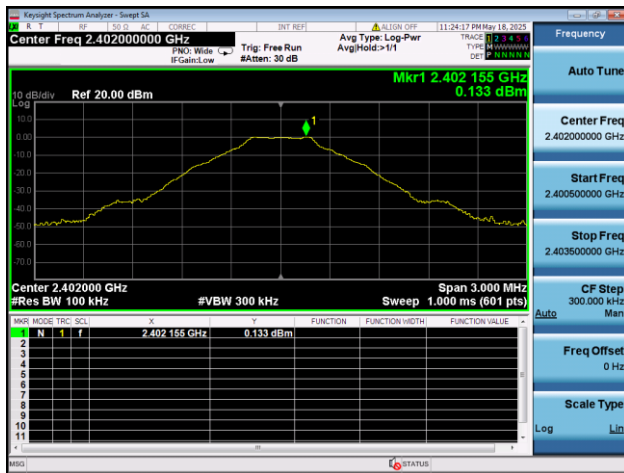
Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.70	0.13	-19.87	Pass
Middle	-36.93	0.26	-19.74	Pass
High	-35.32	0.33	-19.67	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.08	0.38	-19.62	Pass
Middle	-34.56	0.61	-19.39	Pass
High	-35.49	0.48	-19.52	Pass

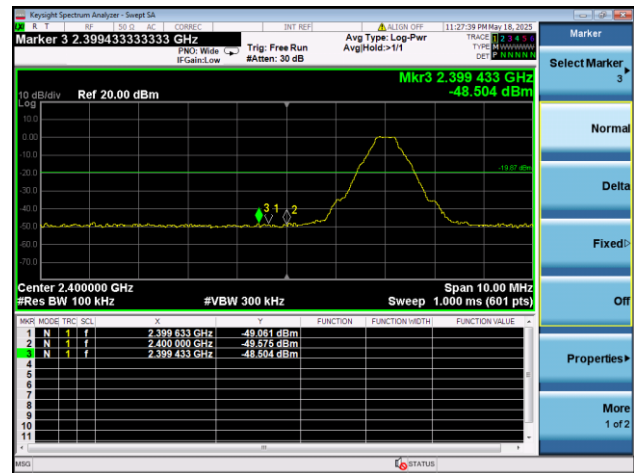
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-34.73	0.33	-19.67	Pass
8-DPSK	-36.12	-3.74	-23.74	Pass

Test Plots

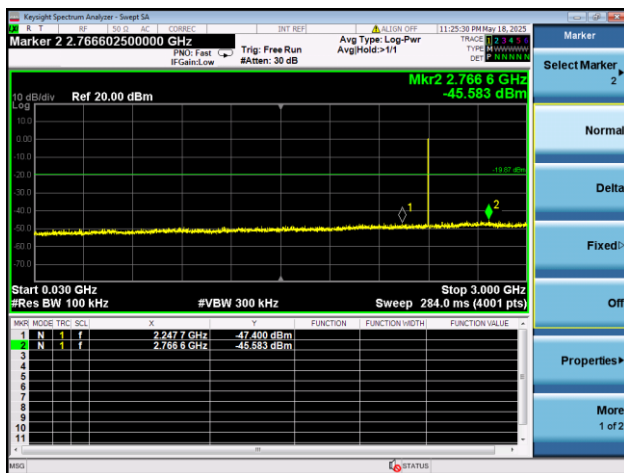
GFSK LOW CHANNEL, CARRIER LEVEL



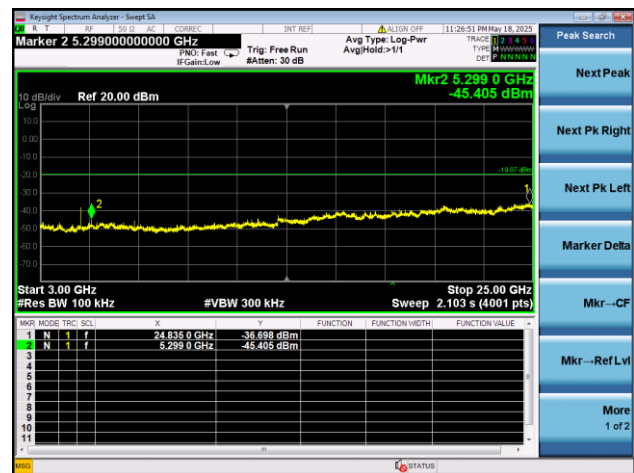
GFSK LOW CHANNEL, BAND EDGE



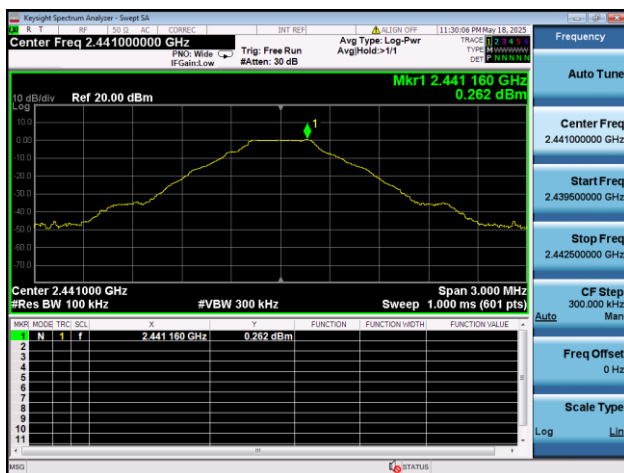
GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



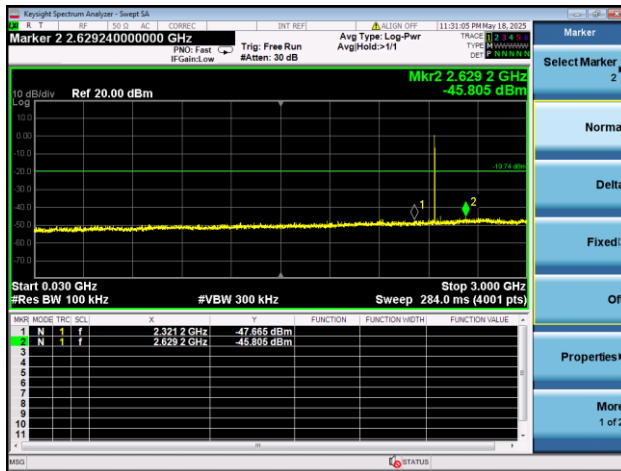
GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



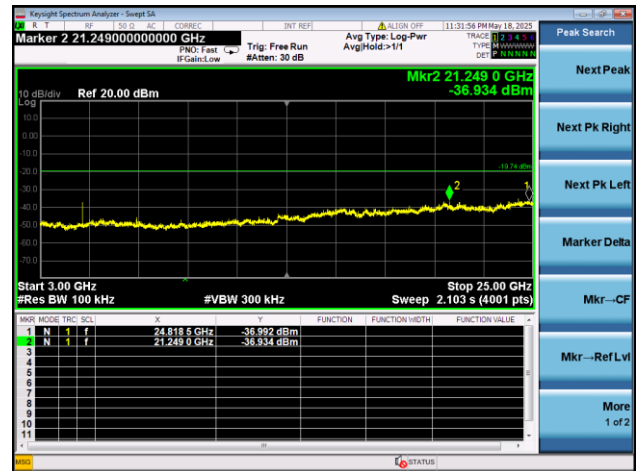
GFSK MIDDLE CHANNEL, CARRIER LEVEL



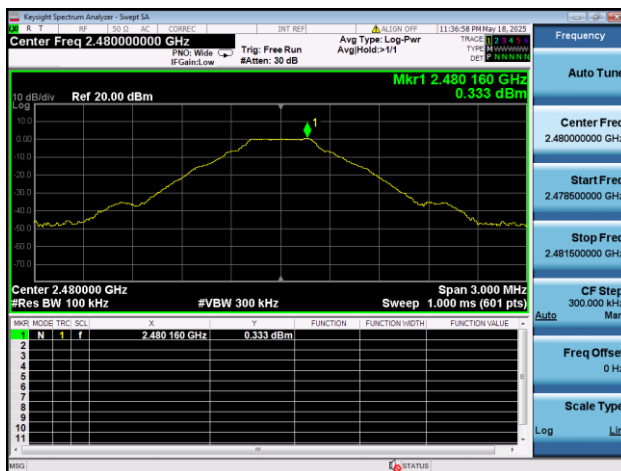
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



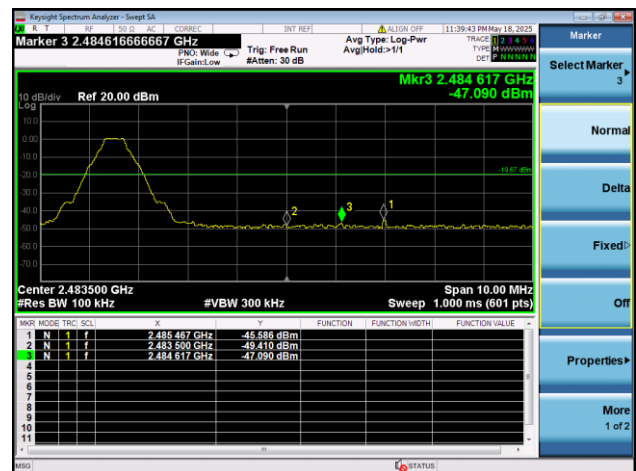
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



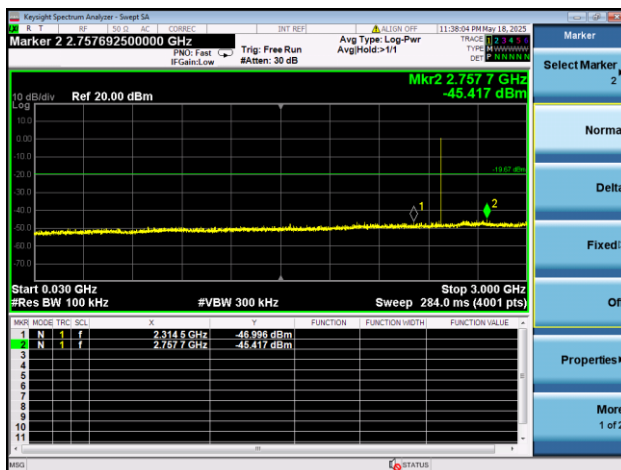
GFSK HIGH CHANNEL, CARRIER LEVEL



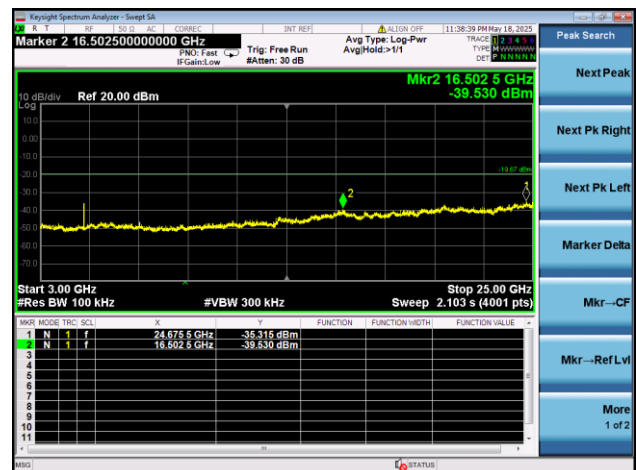
GFSK HIGH CHANNEL, BAND EDGE



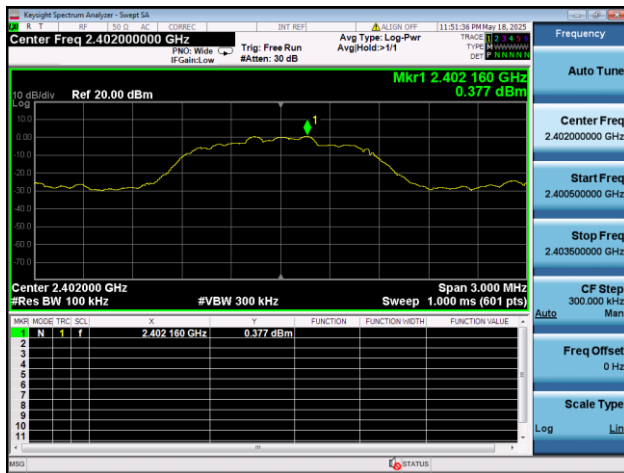
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



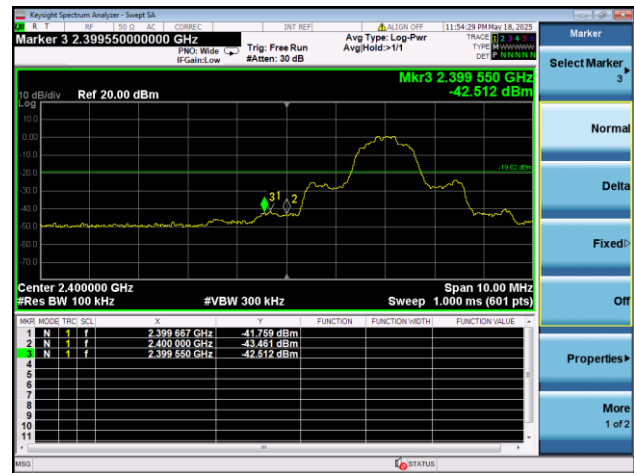
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

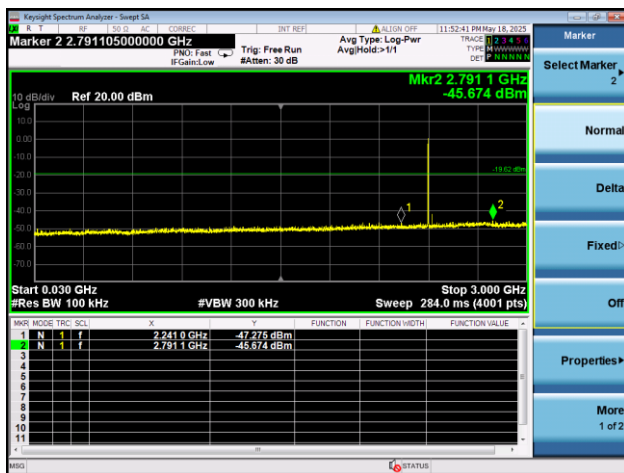


8-DPSK LOW CHANNEL, BAND EDGE



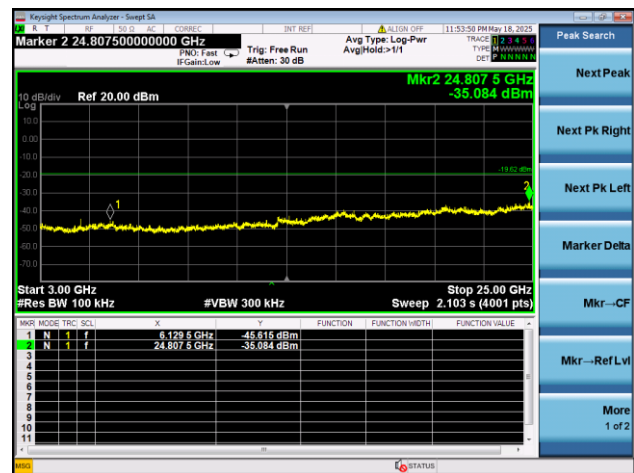
8-DPSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

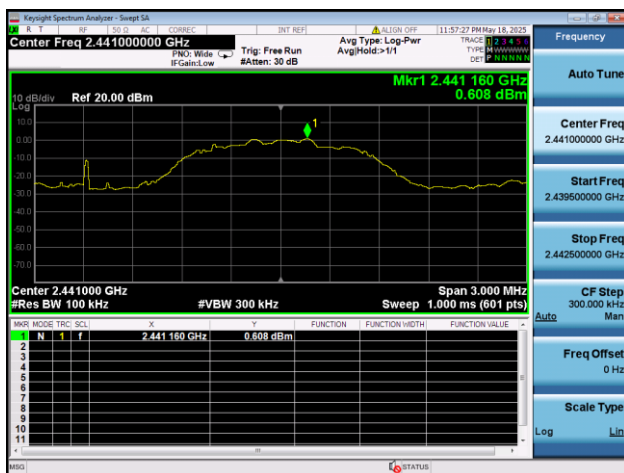


8-DPSK LOW CHANNEL, SPURIOUS

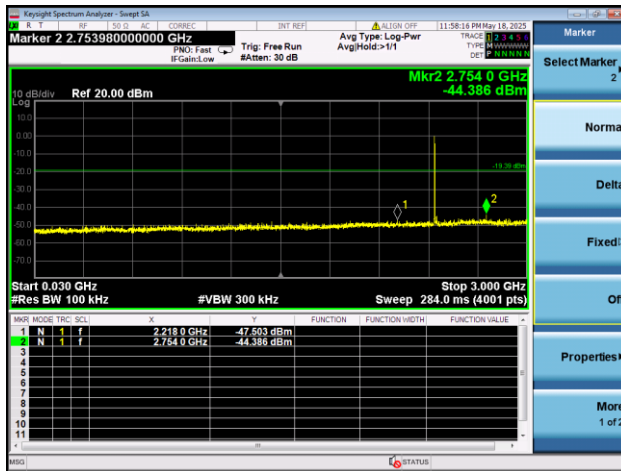
3 GHz ~ 25 GHz



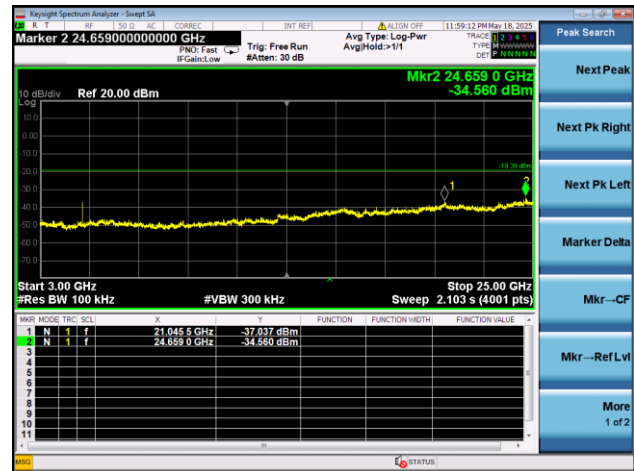
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



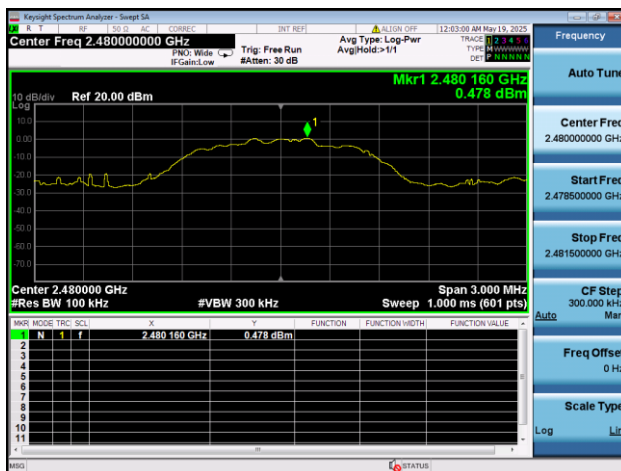
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



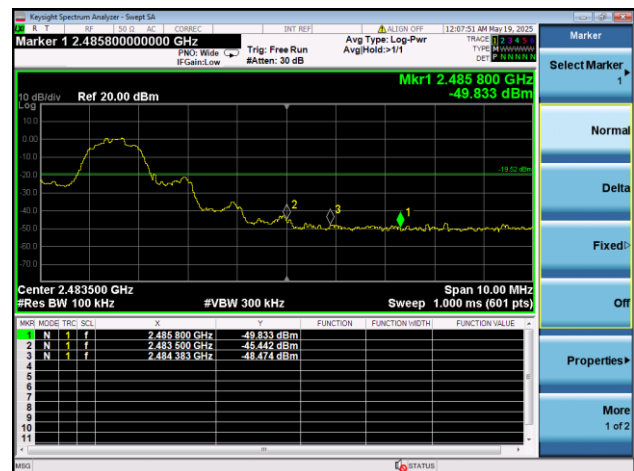
8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



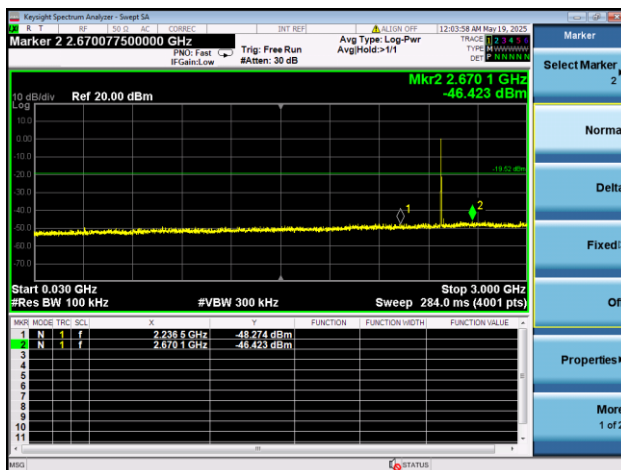
8-DPSK HIGH CHANNEL, CARRIER LEVEL



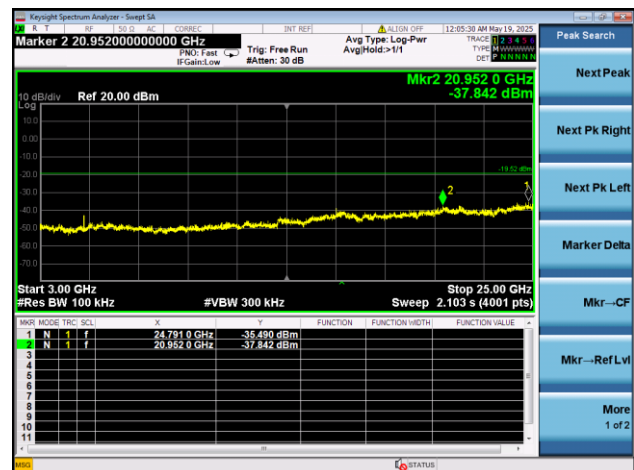
8-DPSK HIGH CHANNEL, BAND EDGE



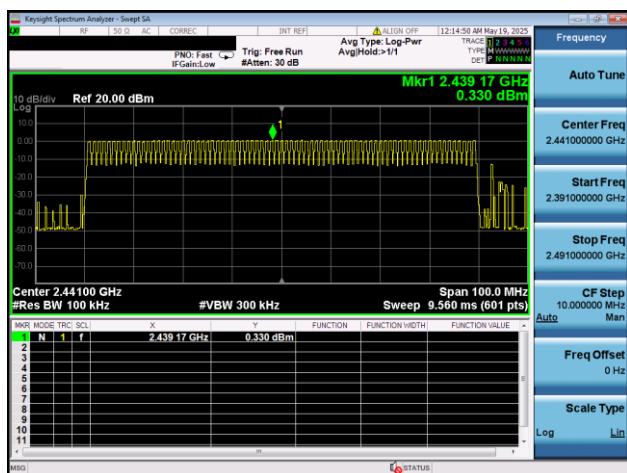
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



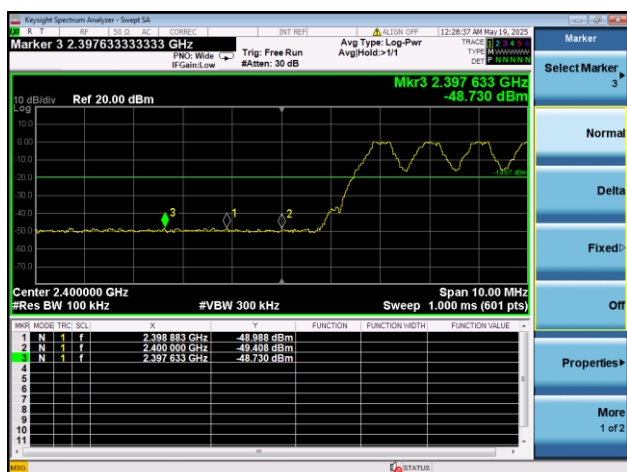
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



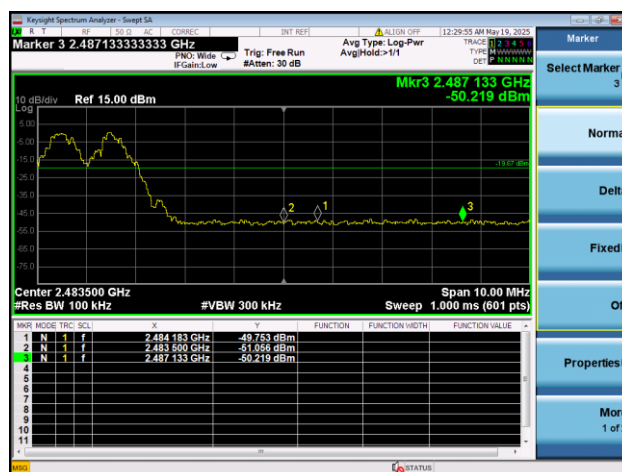
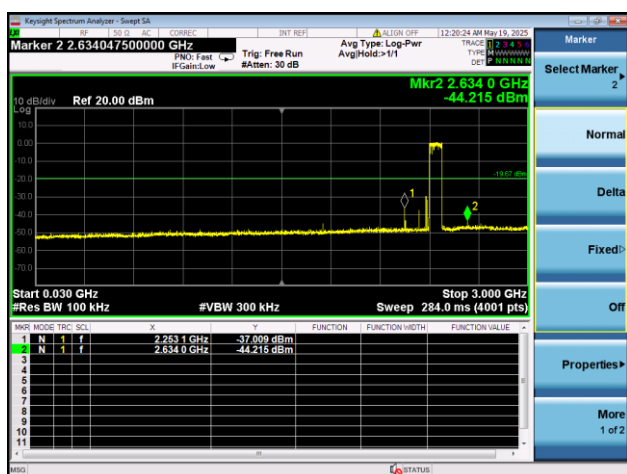
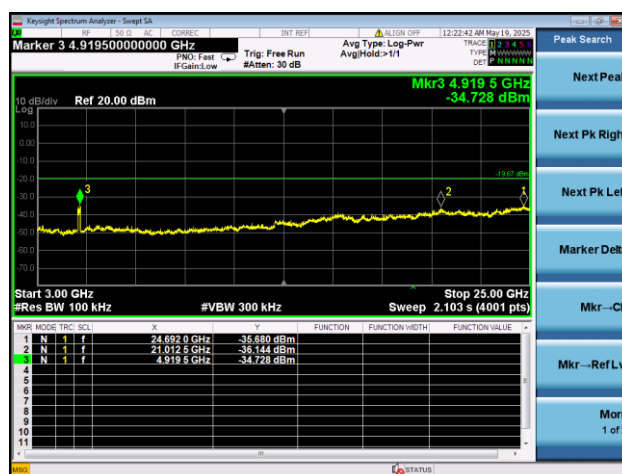
GFSK HOPPING, CARRIER LEVEL



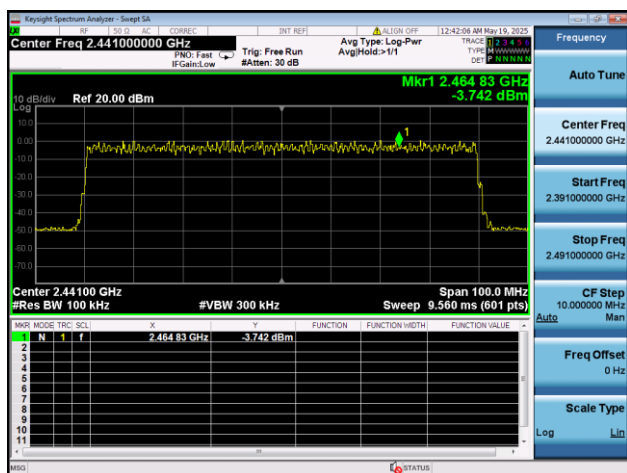
GFSK HOPPING BAND EDGE (LOW)



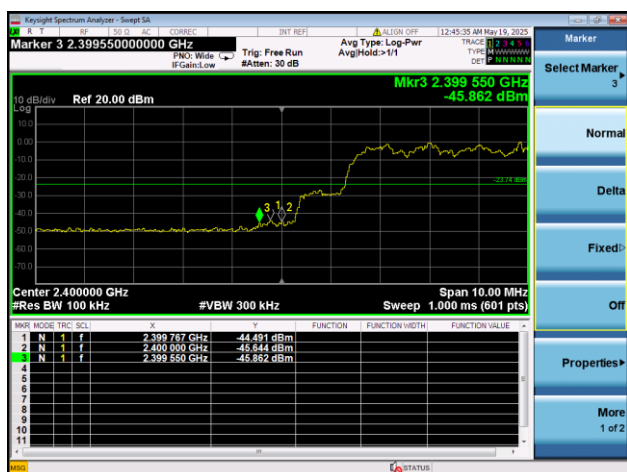
GFSK HOPPING BAND EDGE (HIGH)

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

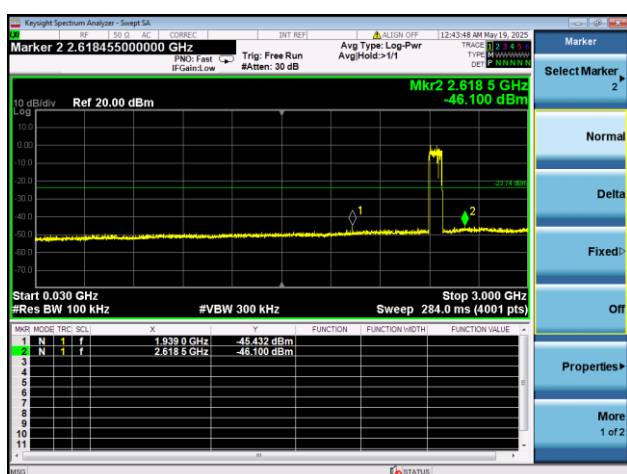
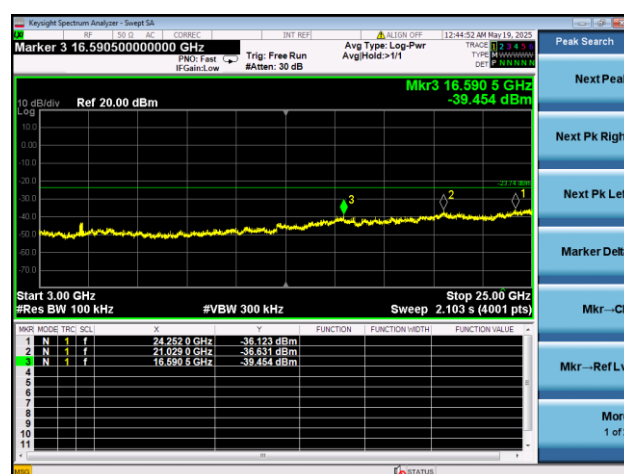
8-DPSK HOPPING, CARRIER LEVEL



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 Emissions

Note: Not applicable.

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 C63.10-2013, 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.

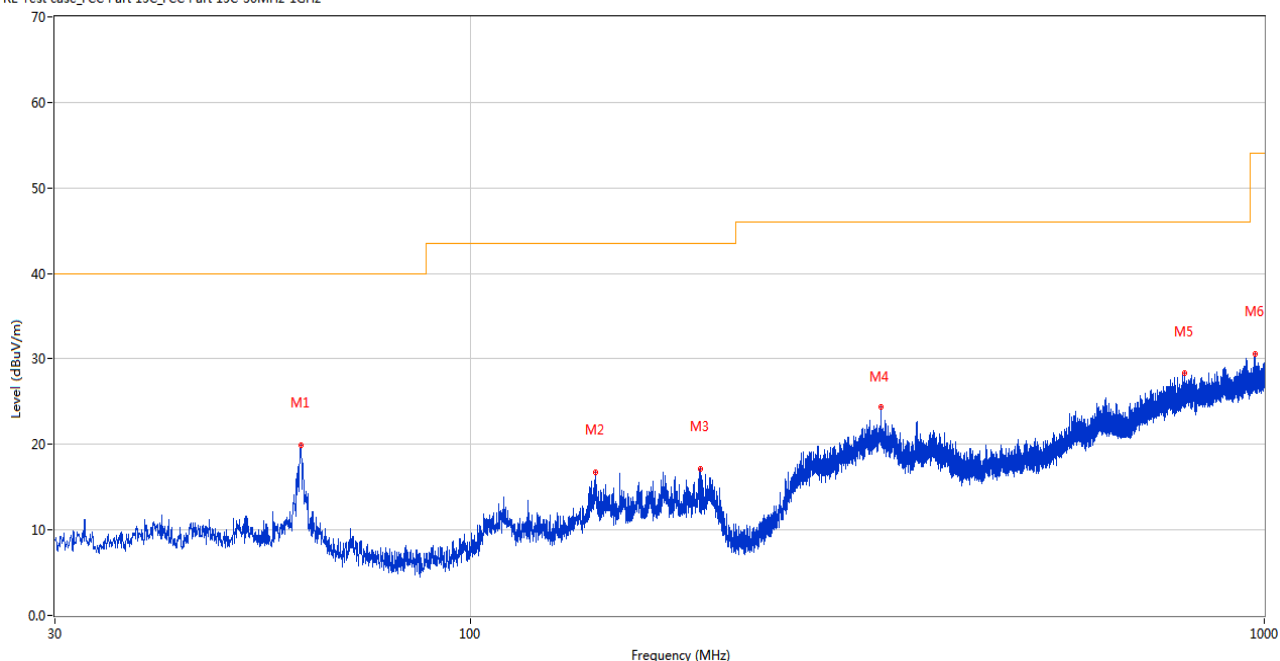
Note ⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

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

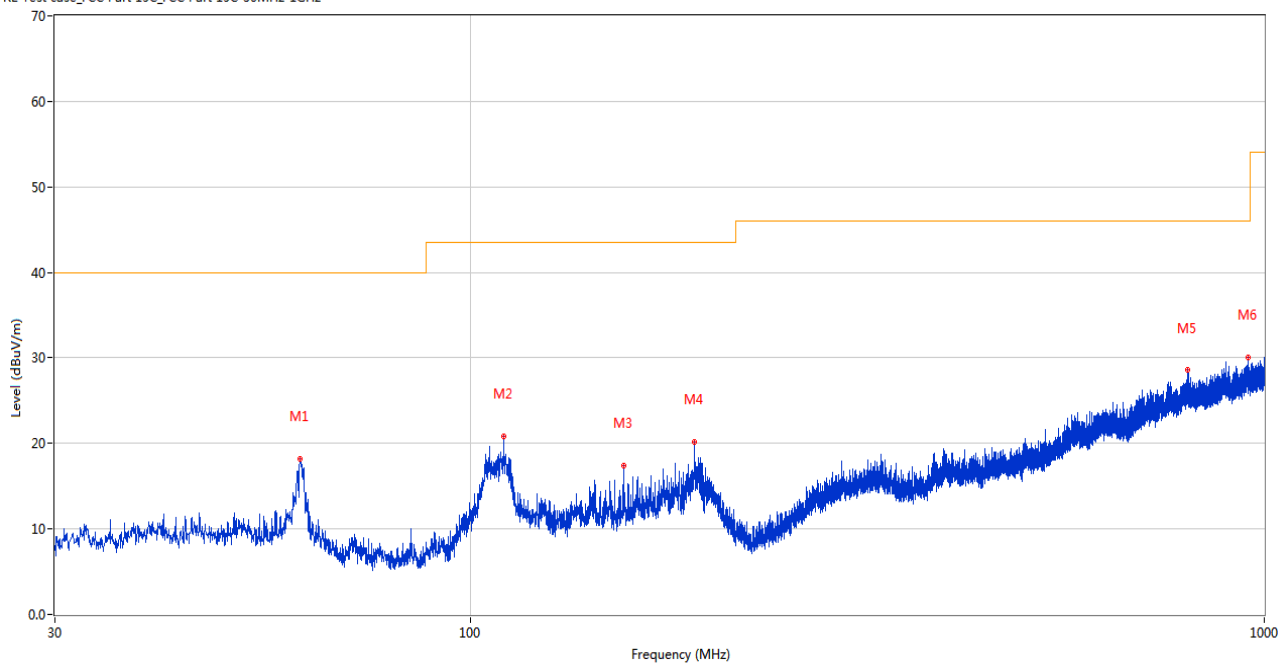
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	61.185	19.95	-27.36	40.0	20.05	Peak	145.00	200	Horizontal	Pass
2	143.732	16.71	-26.29	43.5	26.79	Peak	170.00	200	Horizontal	Pass
3	194.706	17.17	-28.51	43.5	26.33	Peak	95.00	100	Horizontal	Pass
4	329.342	24.41	-23.36	46.0	21.59	Peak	359.00	100	Horizontal	Pass
5	794.845	28.28	-12.08	46.0	17.72	Peak	60.00	200	Horizontal	Pass
6	973.907	30.55	-10.06	54.0	23.45	Peak	95.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C:30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	61.137	18.16	-27.36	40.0	21.84	Peak	239.00	100	Vertical	Pass
2	110.268	20.86	-28.83	43.5	22.64	Peak	211.00	100	Vertical	Pass
3	156.246	17.41	-25.63	43.5	26.09	Peak	105.00	100	Vertical	Pass
4	191.748	20.12	-28.31	43.5	23.38	Peak	353.00	100	Vertical	Pass
5	799.598	28.54	-11.78	46.0	17.46	Peak	158.00	200	Vertical	Pass
6	954.410	30.09	-9.97	46.0	15.91	Peak	65.00	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 LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.218	44.65	74.0	29.35	Peak	37.00	200	Horizontal	Pass
1**	1335.218	29.20	54.0	24.80	AV	37.00	200	Horizontal	Pass
2	2973.573	53.96	74.0	20.04	Peak	41.00	400	Horizontal	Pass
2**	2973.573	38.01	54.0	15.99	AV	41.00	400	Horizontal	Pass
3	4913.280	49.26	74.0	24.74	Peak	330.00	200	Horizontal	Pass
3**	4913.280	40.01	54.0	13.99	AV	330.00	200	Horizontal	Pass
4	7626.779	51.66	74.0	22.34	Peak	234.00	200	Horizontal	Pass
4**	7626.779	43.33	54.0	10.67	AV	234.00	200	Horizontal	Pass
5	12472.168	54.54	74.0	19.46	Peak	354.00	200	Horizontal	Pass
5**	12472.168	46.96	54.0	7.04	AV	354.00	200	Horizontal	Pass
6	16858.088	56.97	74.0	17.03	Peak	280.00	200	Horizontal	Pass
6**	16858.088	47.89	54.0	6.11	AV	280.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.547	41.24	74.0	32.76	Peak	24.00	100	Vertical	Pass
1**	1466.547	29.69	54.0	24.31	AV	24.00	100	Vertical	Pass
2	2989.674	52.35	74.0	21.65	Peak	236.00	100	Vertical	Pass
2**	2989.674	43.43	54.0	10.57	AV	236.00	100	Vertical	Pass
3	4818.564	46.96	74.0	27.04	Peak	64.00	200	Vertical	Pass
3**	4818.564	42.47	54.0	11.53	AV	64.00	200	Vertical	Pass
4	7966.076	52.79	74.0	21.21	Peak	38.00	400	Vertical	Pass
4**	7966.076	46.09	54.0	7.91	AV	38.00	400	Vertical	Pass
5	12445.249	50.70	74.0	23.30	Peak	187.00	400	Vertical	Pass
5**	12445.249	47.46	54.0	6.54	AV	187.00	400	Vertical	Pass
6	17453.188	54.75	74.0	19.25	Peak	321.00	200	Vertical	Pass
6**	17453.188	48.13	54.0	5.87	AV	321.00	200	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1337.220	41.84	74.0	32.16	Peak	138.00	400	Horizontal	Pass
1**	1337.220	31.67	54.0	22.33	AV	138.00	400	Horizontal	Pass
2	2975.924	50.91	74.0	23.09	Peak	341.00	200	Horizontal	Pass
2**	2975.924	40.98	54.0	13.02	AV	341.00	200	Horizontal	Pass
3	4916.301	50.38	74.0	23.62	Peak	122.00	200	Horizontal	Pass
3**	4916.301	40.52	54.0	13.48	AV	122.00	200	Horizontal	Pass
4	7630.815	51.82	74.0	22.18	Peak	185.00	200	Horizontal	Pass
4**	7630.815	43.63	54.0	10.37	AV	185.00	200	Horizontal	Pass
5	12473.059	53.86	74.0	20.14	Peak	172.00	200	Horizontal	Pass
5**	12473.059	43.68	54.0	10.32	AV	172.00	200	Horizontal	Pass
6	16856.636	53.63	74.0	20.37	Peak	15.00	200	Horizontal	Pass
6**	16856.636	45.17	54.0	8.83	AV	15.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.828	39.30	74.0	34.70	Peak	322.00	100	Vertical	Pass
1**	1460.828	29.36	54.0	24.64	AV	322.00	100	Vertical	Pass
2	2992.266	50.32	74.0	23.68	Peak	196.00	300	Vertical	Pass
2**	2992.266	40.94	54.0	13.06	AV	196.00	300	Vertical	Pass
3	4818.010	52.35	74.0	21.65	Peak	195.00	200	Vertical	Pass
3**	4818.010	40.96	54.0	13.04	AV	195.00	200	Vertical	Pass
4	7966.473	52.99	74.0	21.01	Peak	68.00	200	Vertical	Pass
4**	7966.473	45.92	54.0	8.08	AV	68.00	200	Vertical	Pass
5	12445.531	51.91	74.0	22.09	Peak	16.00	100	Vertical	Pass
5**	12445.531	42.19	54.0	11.81	AV	16.00	100	Vertical	Pass
6	17452.196	56.09	74.0	17.91	Peak	206.00	400	Vertical	Pass
6**	17452.196	45.28	54.0	8.72	AV	206.00	400	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.259	40.64	74.0	33.36	Peak	184.00	300	Horizontal	Pass
1**	1333.259	29.65	54.0	24.35	AV	184.00	300	Horizontal	Pass
2	2973.793	50.71	74.0	23.29	Peak	66.00	100	Horizontal	Pass
2**	2973.793	43.62	54.0	10.38	AV	66.00	100	Horizontal	Pass
3	4913.588	50.62	74.0	23.38	Peak	303.00	200	Horizontal	Pass
3**	4913.588	37.60	54.0	16.40	AV	303.00	200	Horizontal	Pass
4	7624.591	51.33	74.0	22.67	Peak	104.00	300	Horizontal	Pass
4**	7624.591	45.58	54.0	8.42	AV	104.00	300	Horizontal	Pass
5	12472.250	52.44	74.0	21.56	Peak	359.00	300	Horizontal	Pass
5**	12472.250	46.26	54.0	7.74	AV	359.00	300	Horizontal	Pass
6	16863.738	52.36	74.0	21.64	Peak	102.00	400	Horizontal	Pass
6**	16863.738	43.18	54.0	10.82	AV	102.00	400	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.526	44.47	74.0	29.53	Peak	224.00	300	Vertical	Pass
1**	1459.526	31.25	54.0	22.75	AV	224.00	300	Vertical	Pass
2	2990.325	53.33	74.0	20.67	Peak	57.00	200	Vertical	Pass
2**	2990.325	42.88	54.0	11.12	AV	57.00	200	Vertical	Pass
3	4822.889	47.24	74.0	26.76	Peak	236.00	200	Vertical	Pass
3**	4822.889	41.77	54.0	12.23	AV	236.00	200	Vertical	Pass
4	7971.055	54.96	74.0	19.04	Peak	46.00	200	Vertical	Pass
4**	7971.055	44.47	54.0	9.53	AV	46.00	200	Vertical	Pass
5	12441.538	52.03	74.0	21.97	Peak	9.00	100	Vertical	Pass
5**	12441.538	42.85	54.0	11.15	AV	9.00	100	Vertical	Pass
6	17455.269	52.82	74.0	21.18	Peak	126.00	400	Vertical	Pass
6**	17455.269	45.11	54.0	8.89	AV	126.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.554	40.01	74.0	33.99	Peak	216.00	200	Horizontal	Pass
1**	1286.554	35.56	54.0	18.44	AV	216.00	200	Horizontal	Pass
2	2771.550	51.36	74.0	22.64	Peak	9.00	300	Horizontal	Pass
2**	2771.550	45.66	54.0	8.34	AV	9.00	300	Horizontal	Pass
3	5166.544	49.61	74.0	24.39	Peak	314.00	200	Horizontal	Pass
3**	5166.544	42.11	54.0	11.89	AV	314.00	200	Horizontal	Pass
4	6808.655	52.56	74.0	21.44	Peak	307.00	100	Horizontal	Pass
4**	6808.655	46.62	54.0	7.38	AV	307.00	100	Horizontal	Pass
5	13467.041	54.70	74.0	19.30	Peak	43.00	300	Horizontal	Pass
5**	13467.041	44.97	54.0	9.03	AV	43.00	300	Horizontal	Pass
6	17467.540	58.55	74.0	15.45	Peak	291.00	400	Horizontal	Pass
6**	17467.540	45.23	54.0	8.77	AV	291.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.605	45.57	74.0	28.43	Peak	32.00	100	Vertical	Pass
1**	1285.605	34.27	54.0	19.73	AV	32.00	100	Vertical	Pass
2	2772.706	54.49	74.0	19.51	Peak	69.00	400	Vertical	Pass
2**	2772.706	46.31	54.0	7.69	AV	69.00	400	Vertical	Pass
3	5167.025	55.34	74.0	18.66	Peak	89.00	200	Vertical	Pass
3**	5167.025	40.99	54.0	13.01	AV	89.00	200	Vertical	Pass
4	6802.357	54.16	74.0	19.84	Peak	88.00	100	Vertical	Pass
4**	6802.357	48.06	54.0	5.94	AV	88.00	100	Vertical	Pass
5	13465.959	54.69	74.0	19.31	Peak	145.00	200	Vertical	Pass
5**	13465.959	40.53	54.0	13.47	AV	145.00	200	Vertical	Pass
6	17466.751	56.58	74.0	17.42	Peak	114.00	200	Vertical	Pass
6**	17466.751	48.86	54.0	5.14	AV	114.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.579	43.94	74.0	30.06	Peak	89.00	100	Horizontal	Pass
1**	1284.579	30.76	54.0	23.24	AV	89.00	100	Horizontal	Pass
2	2770.092	50.81	74.0	23.19	Peak	5.00	200	Horizontal	Pass
2**	2770.092	41.21	54.0	12.79	AV	5.00	200	Horizontal	Pass
3	5167.202	54.50	74.0	19.50	Peak	78.00	200	Horizontal	Pass
3**	5167.202	43.40	54.0	10.60	AV	78.00	200	Horizontal	Pass
4	6802.935	51.93	74.0	22.07	Peak	63.00	100	Horizontal	Pass
4**	6802.935	44.38	54.0	9.62	AV	63.00	100	Horizontal	Pass
5	13464.212	55.74	74.0	18.26	Peak	15.00	100	Horizontal	Pass
5**	13464.212	43.92	54.0	10.08	AV	15.00	100	Horizontal	Pass
6	17464.911	56.72	74.0	17.28	Peak	5.00	200	Horizontal	Pass
6**	17464.911	45.18	54.0	8.82	AV	5.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1282.127	44.24	74.0	29.76	Peak	248.00	100	Vertical	Pass
1**	1282.127	34.40	54.0	19.60	AV	248.00	100	Vertical	Pass
2	2767.628	51.17	74.0	22.83	Peak	144.00	100	Vertical	Pass
2**	2767.628	46.33	54.0	7.67	AV	144.00	100	Vertical	Pass
3	5163.582	55.27	74.0	18.73	Peak	236.00	200	Vertical	Pass
3**	5163.582	41.14	54.0	12.86	AV	236.00	200	Vertical	Pass
4	6808.324	52.47	74.0	21.53	Peak	24.00	100	Vertical	Pass
4**	6808.324	48.41	54.0	5.59	AV	24.00	100	Vertical	Pass
5	13469.619	51.98	74.0	22.02	Peak	335.00	200	Vertical	Pass
5**	13469.619	44.13	54.0	9.87	AV	335.00	200	Vertical	Pass
6	17465.822	56.24	74.0	17.76	Peak	284.00	200	Vertical	Pass
6**	17465.822	47.87	54.0	6.13	AV	284.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.429	43.83	74.0	30.17	Peak	14.00	100	Horizontal	Pass
1**	1286.429	31.59	54.0	22.41	AV	14.00	100	Horizontal	Pass
2	2768.775	53.68	74.0	20.32	Peak	310.00	300	Horizontal	Pass
2**	2768.775	44.91	54.0	9.09	AV	310.00	300	Horizontal	Pass
3	5165.793	53.12	74.0	20.88	Peak	343.00	200	Horizontal	Pass
3**	5165.793	41.62	54.0	12.38	AV	343.00	200	Horizontal	Pass
4	6809.797	55.67	74.0	18.33	Peak	183.00	100	Horizontal	Pass
4**	6809.797	45.28	54.0	8.72	AV	183.00	100	Horizontal	Pass
5	13465.585	57.63	74.0	16.37	Peak	75.00	200	Horizontal	Pass
5**	13465.585	46.86	54.0	7.14	AV	75.00	200	Horizontal	Pass
6	17467.089	57.30	74.0	16.70	Peak	40.00	200	Horizontal	Pass
6**	17467.089	46.16	54.0	7.84	AV	40.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.509	43.09	74.0	30.91	Peak	146.00	400	Vertical	Pass
1**	1285.509	35.79	54.0	18.21	AV	146.00	400	Vertical	Pass
2	2767.467	56.75	74.0	17.25	Peak	108.00	300	Vertical	Pass
2**	2767.467	46.24	54.0	7.76	AV	108.00	300	Vertical	Pass
3	5165.316	52.41	74.0	21.59	Peak	35.00	200	Vertical	Pass
3**	5165.316	44.08	54.0	9.92	AV	35.00	200	Vertical	Pass
4	6802.495	54.74	74.0	19.26	Peak	5.00	200	Vertical	Pass
4**	6802.495	45.97	54.0	8.03	AV	5.00	200	Vertical	Pass
5	13468.957	55.02	74.0	18.98	Peak	248.00	300	Vertical	Pass
5**	13468.957	44.54	54.0	9.46	AV	248.00	300	Vertical	Pass
6	17466.380	59.23	74.0	14.77	Peak	249.00	400	Vertical	Pass
6**	17466.380	45.18	54.0	8.82	AV	249.00	400	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 C63.10-2013, 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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2363.807	57.56	74.0	16.44	Peak	307.00	100	Horizontal	Pass
1**	2363.807	44.26	54.0	9.74	AV	307.00	100	Horizontal	Pass
2	2390.000	56.98	74.0	17.02	Peak	191.00	100	Horizontal	Pass
2**	2390.000	47.11	54.0	6.89	AV	191.00	100	Horizontal	Pass

GFSK HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.68	74.0	18.32	Peak	23.00	100	Horizontal	Pass
1**	2483.500	47.32	54.0	6.68	AV	23.00	100	Horizontal	Pass
2	2485.017	56.67	74.0	17.33	Peak	271.00	100	Horizontal	Pass
2**	2485.017	44.81	54.0	9.19	AV	271.00	100	Horizontal	Pass

8-DPSK LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2361.440	57.56	74.0	16.44	Peak	155.00	300	Horizontal	Pass
1**	2361.440	46.08	54.0	7.92	AV	155.00	300	Horizontal	Pass
2	2390.000	57.05	74.0	16.95	Peak	62.00	200	Horizontal	Pass
2**	2390.000	49.2	54.0	4.80	AV	62.00	200	Horizontal	Pass

8-DPSK HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.73	74.0	19.27	Peak	359.00	300	Horizontal	Pass
1**	2483.500	45.44	54.0	8.56	AV	359.00	300	Horizontal	Pass
2	2486.926	59.74	74.0	14.26	Peak	81.00	100	Horizontal	Pass
2**	2486.926	47.48	54.0	6.52	AV	81.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2550469-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2550469-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2550469-AI.PDF”.

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--END OF REPORT--