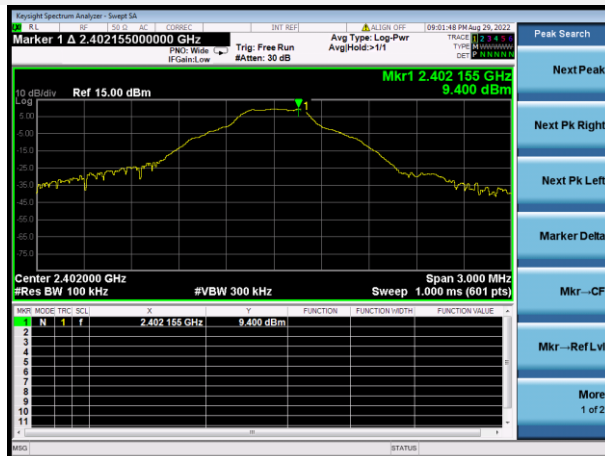
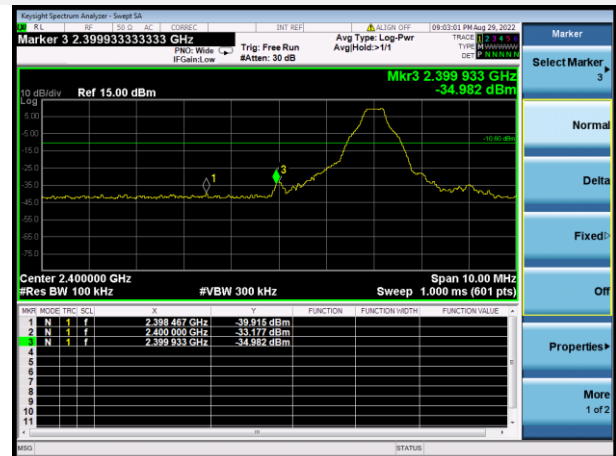


Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL

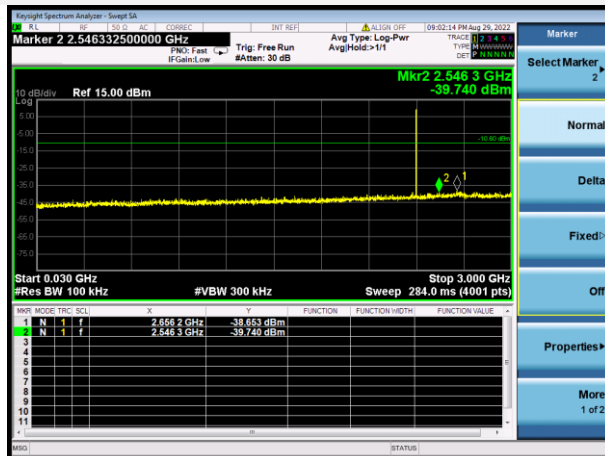


GFSK LOW CHANNEL, BAND EDGE



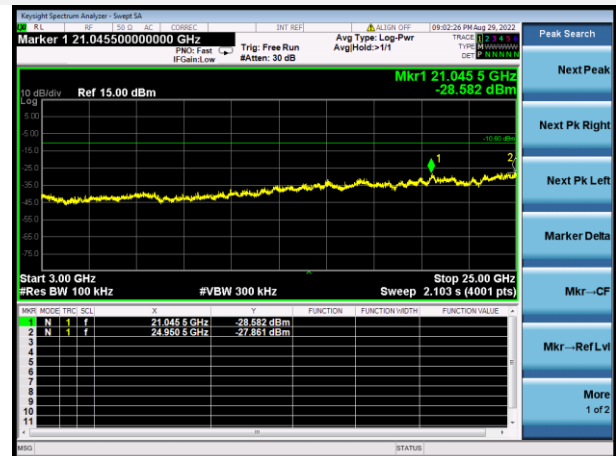
GFSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

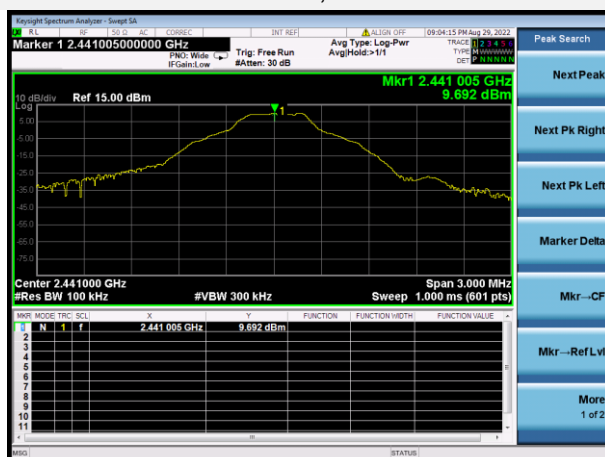


GFSK LOW CHANNEL, SPURIOUS

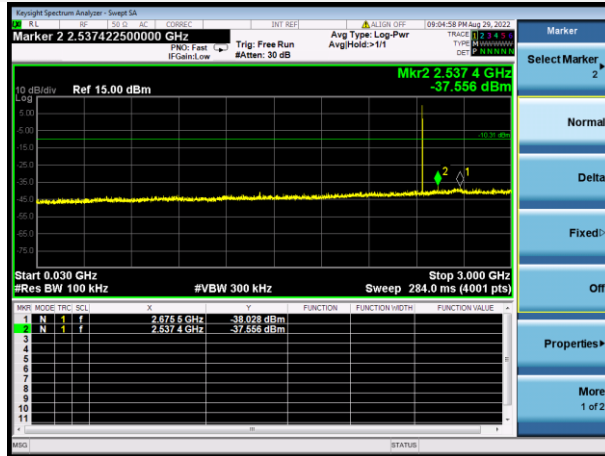
3 GHz ~ 25 GHz



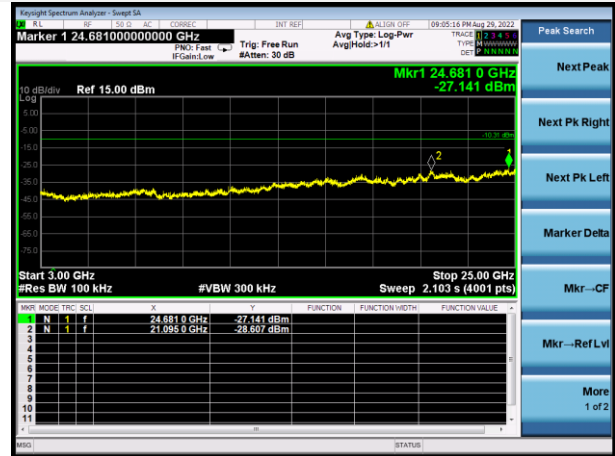
GFSK MIDDLE CHANNEL, CARRIER LEVEL



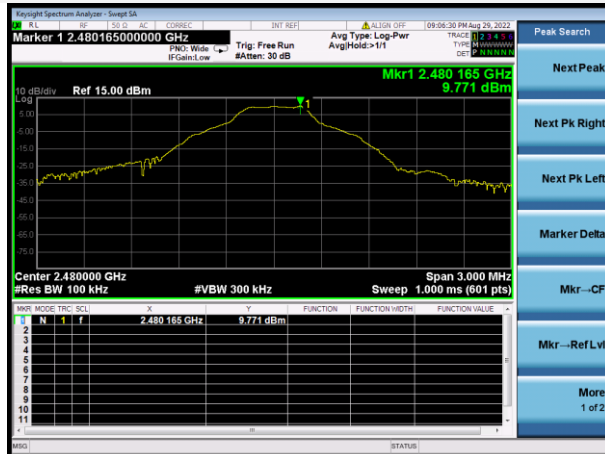
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



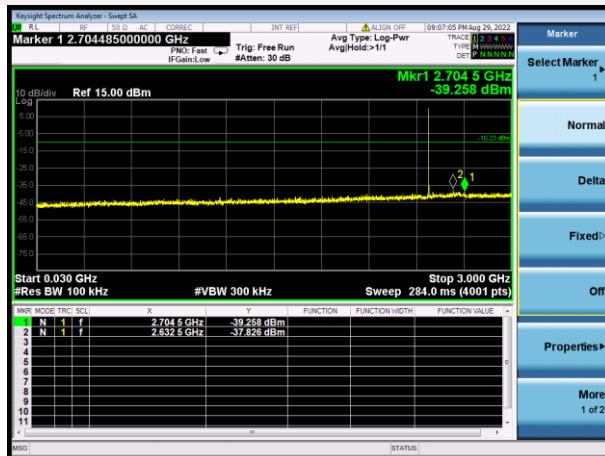
GFSK HIGH CHANNEL, CARRIER LEVEL



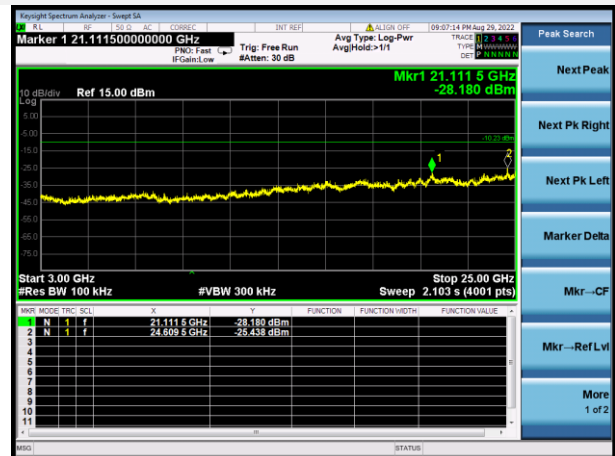
GFSK HIGH CHANNEL, BAND EDGE



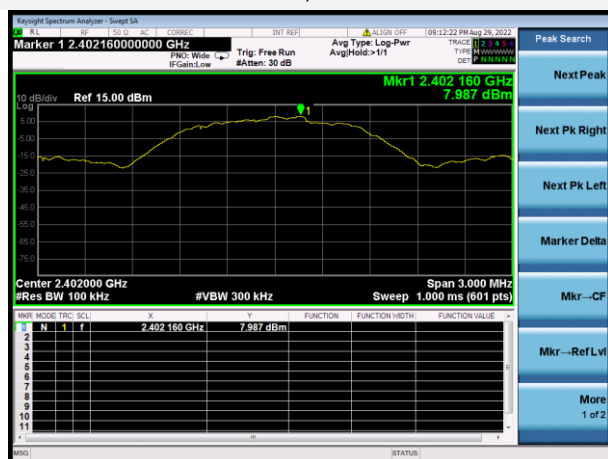
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



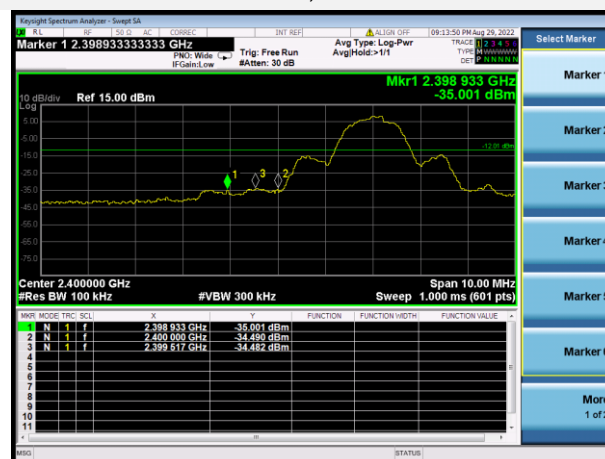
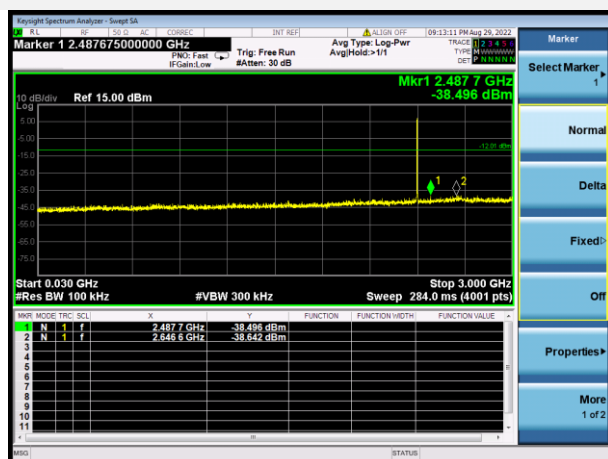
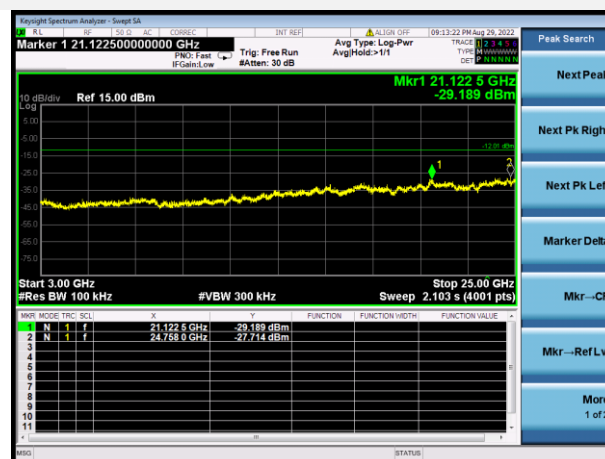
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



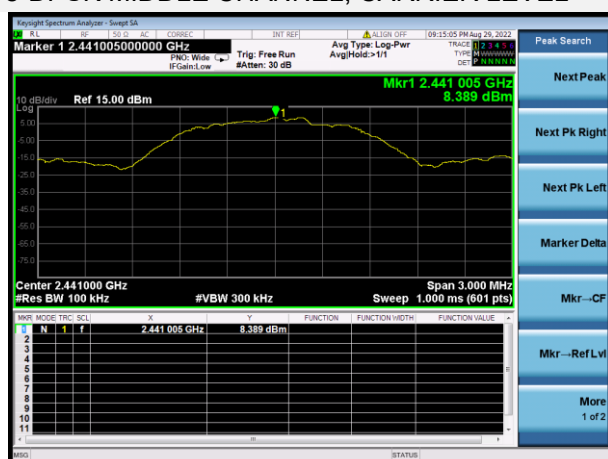
8-DPSK LOW CHANNEL, CARRIER LEVEL



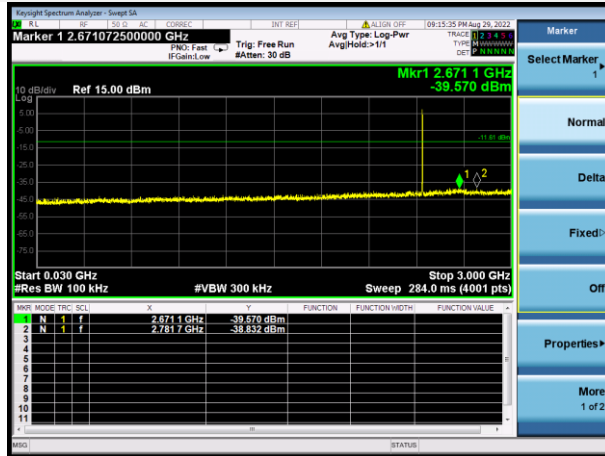
8-DPSK LOW CHANNEL, BAND EDGE

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

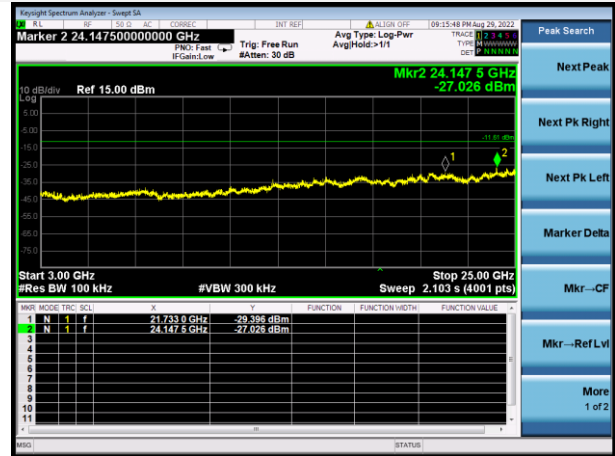
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



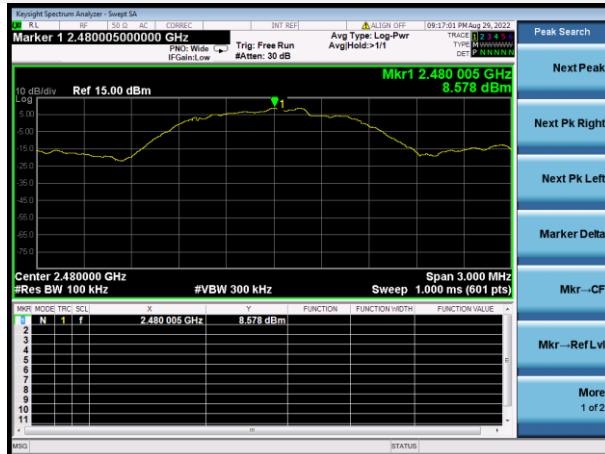
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



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



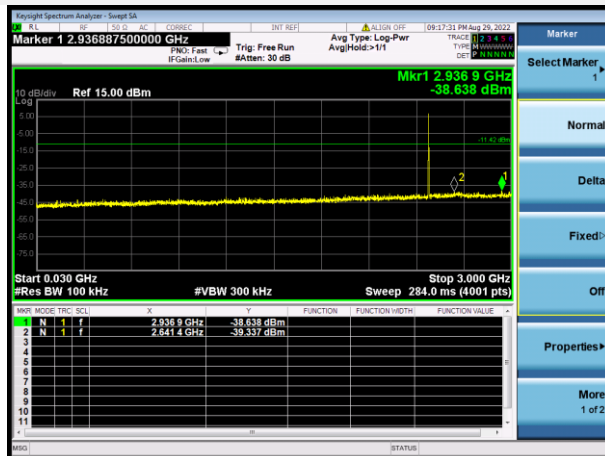
8-DPSK HIGH CHANNEL, CARRIER LEVEL



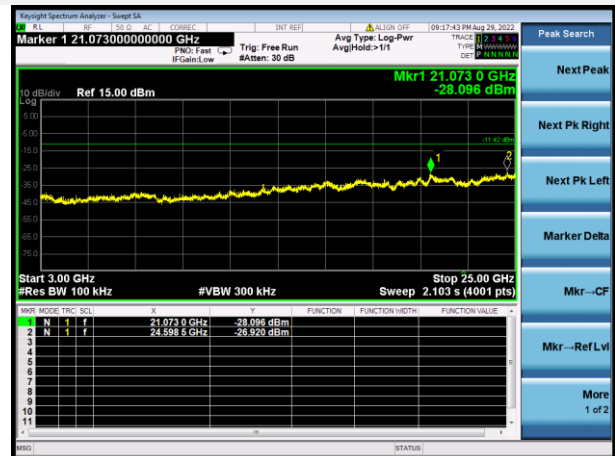
8-DPSK HIGH CHANNEL, BAND EDGE



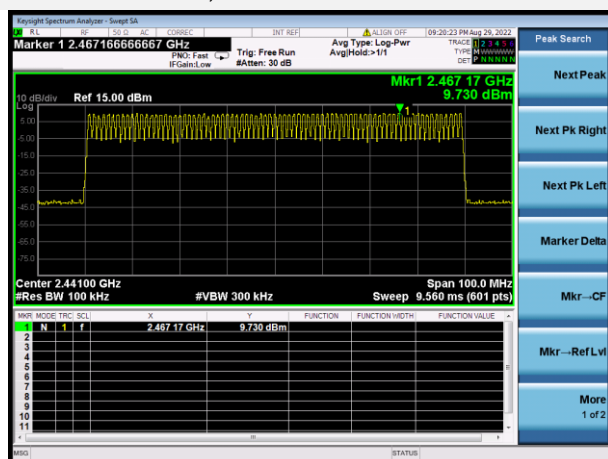
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



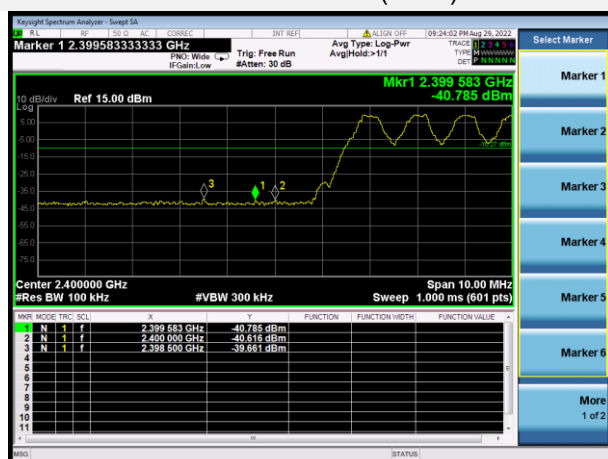
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



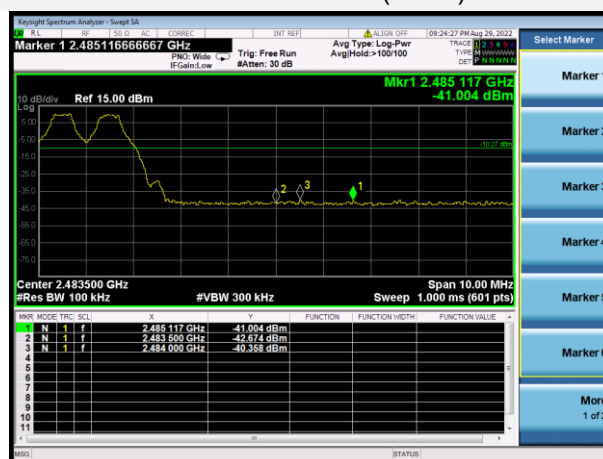
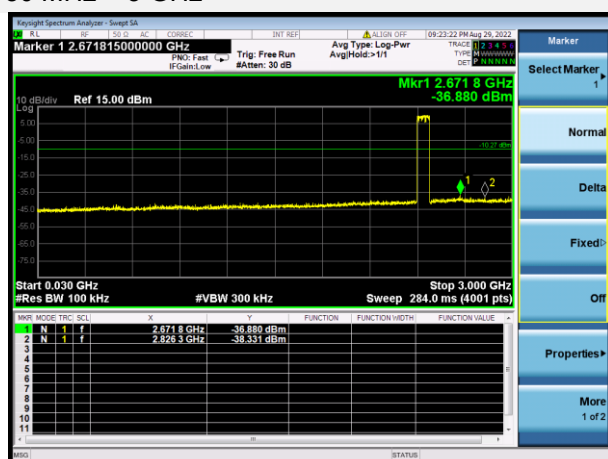
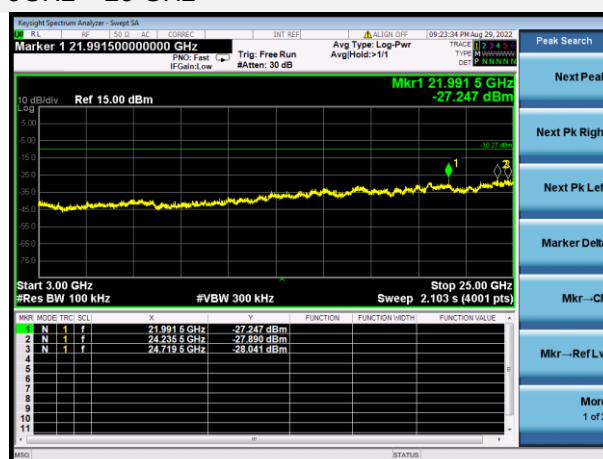
GFSK HOPPING, CARRIER LEVEL



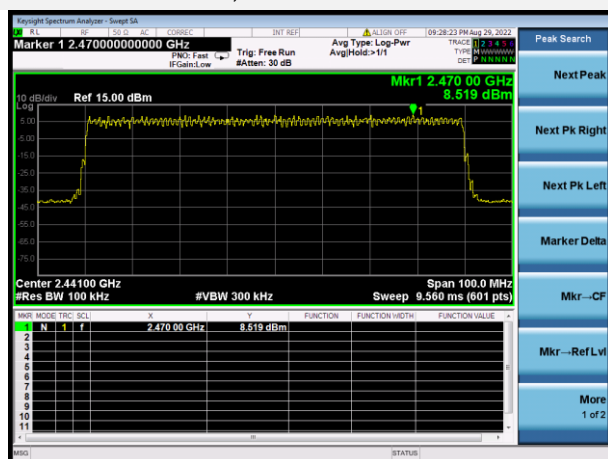
GFSK HOPPING BAND EDGE (LOW)



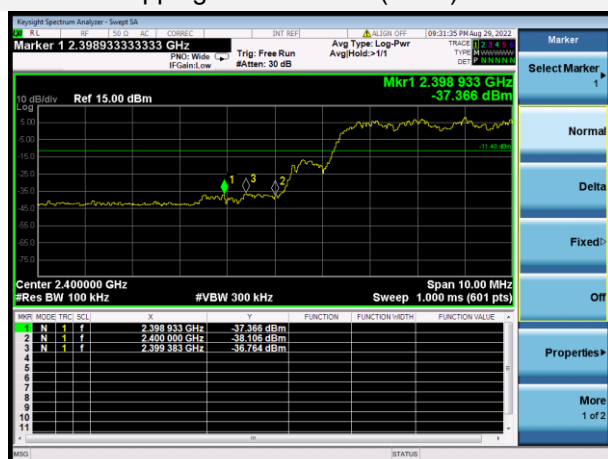
GFSK HOPPING BAND EDGE (HIGH)

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

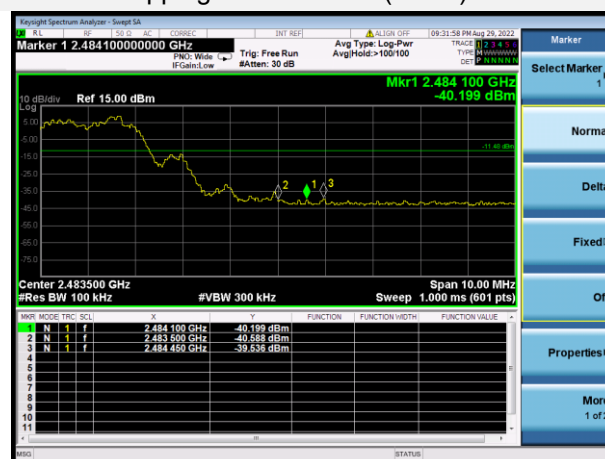
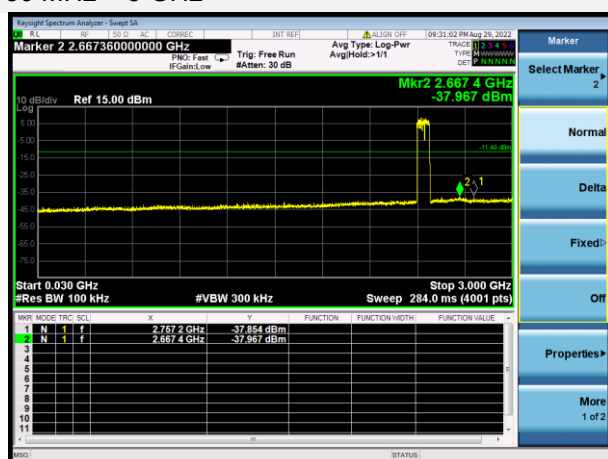
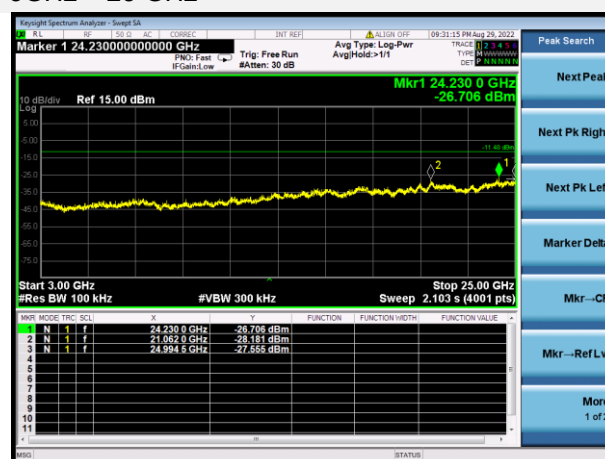
8-DPSK HOPPING, CARRIER LEVEL



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.

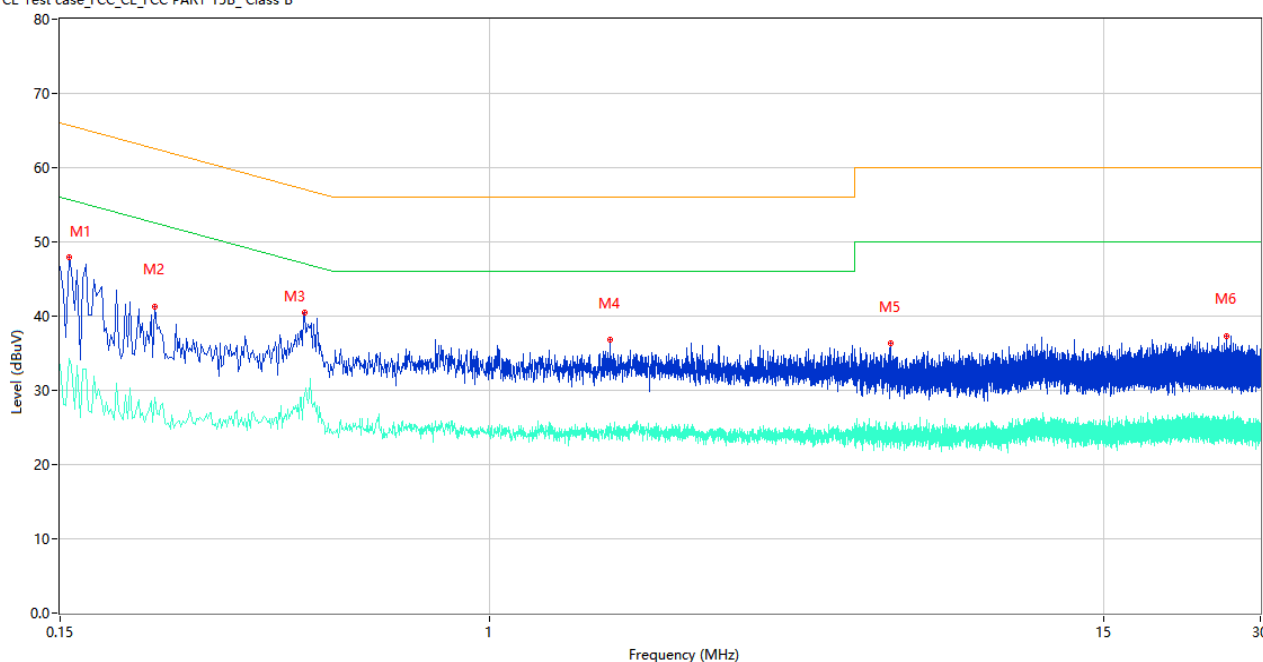
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

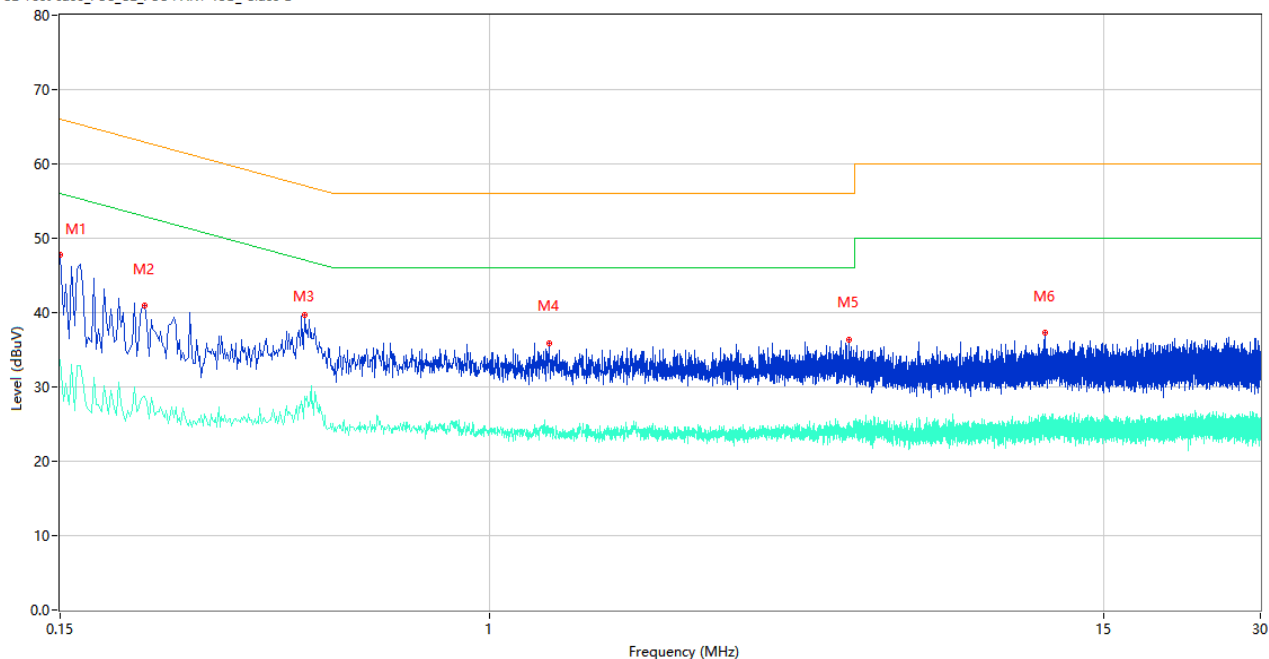
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.156	47.88	10.09	65.67	-17.79	Peak	L	Pass
1**	0.156	34.28	10.09	55.67	-21.39	AV	L	Pass
2	0.228	41.31	10.03	62.52	-21.21	Peak	L	Pass
2**	0.228	28.97	10.03	52.52	-23.55	AV	L	Pass
3	0.442	40.48	10.31	57.02	-16.54	Peak	L	Pass
3**	0.442	29.21	10.31	47.02	-17.81	AV	L	Pass
4	1.704	36.87	10.29	56.00	-19.13	Peak	L	Pass
4**	1.704	24.93	10.29	46.00	-21.07	AV	L	Pass
5	5.880	36.34	10.41	60.00	-23.66	Peak	L	Pass
5**	5.880	24.00	10.41	50.00	-26.00	AV	L	Pass
6	25.810	37.27	10.62	60.00	-22.73	Peak	L	Pass
6**	25.810	24.88	10.62	50.00	-25.12	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	47.76	10.09	66.00	-18.24	Peak	N	Pass
1**	0.150	33.69	10.09	56.00	-22.31	AV	N	Pass
2	0.218	41.01	10.04	62.89	-21.88	Peak	N	Pass
2**	0.218	28.68	10.04	52.89	-24.21	AV	N	Pass
3	0.442	39.65	10.31	57.02	-17.37	Peak	N	Pass
3**	0.442	28.74	10.31	47.02	-18.28	AV	N	Pass
4	1.300	35.88	10.60	56.00	-20.12	Peak	N	Pass
4**	1.300	23.77	10.60	46.00	-22.23	AV	N	Pass
5	4.872	36.37	10.25	56.00	-19.63	Peak	N	Pass
5**	4.872	25.22	10.25	46.00	-20.78	AV	N	Pass
6	11.626	37.25	10.20	60.00	-22.75	Peak	N	Pass
6**	11.626	25.32	10.20	50.00	-24.68	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 C63.10-2013, 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.

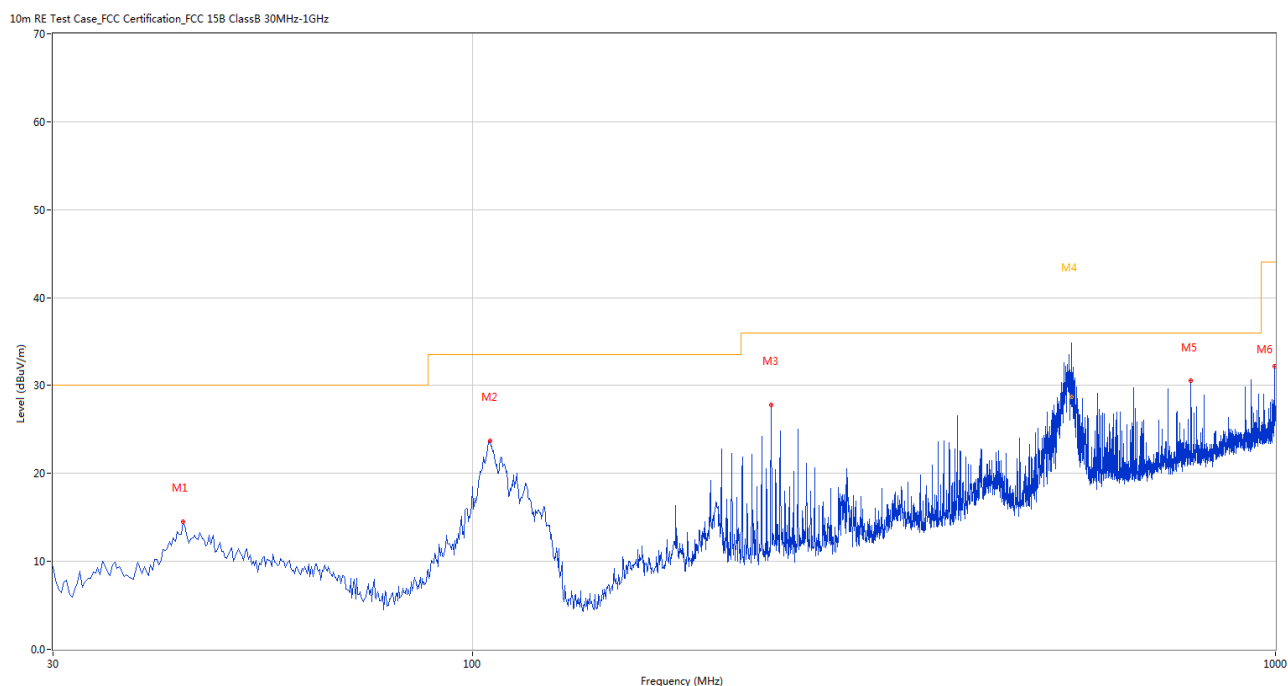
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

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

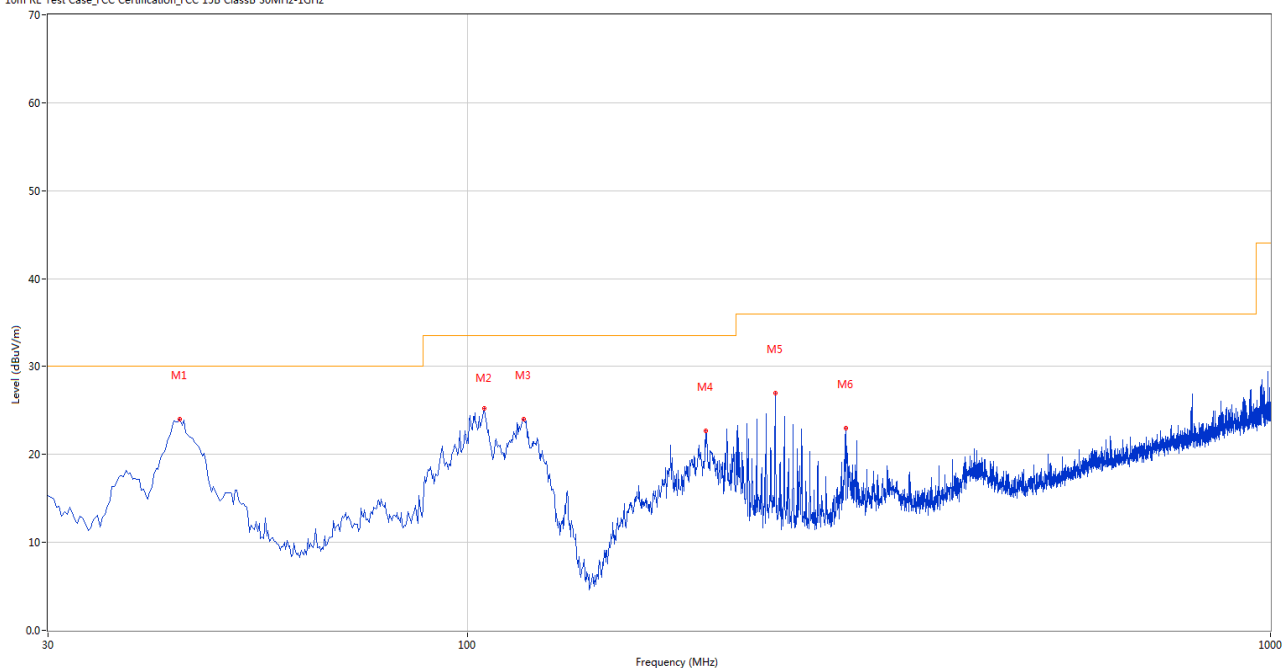
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.577	14.55	-26.32	30.0	-15.45	Peak	360.00	200	Horizontal	Pass
2	105.156	23.68	-27.75	33.5	-9.82	Peak	167.00	200	Horizontal	Pass
3	235.346	27.78	-26.82	36.0	-8.22	Peak	86.00	200	Horizontal	Pass
4	556.983	35.91	-19.15	36.0	-0.09	Peak	236.00	150	Horizontal	N/A
4*	556.983	28.72	-19.15	36.0	-7.28	QP	236.00	150	Horizontal	Pass
5	784.956	30.52	-14.74	36.0	-5.48	Peak	254.00	100	Horizontal	Pass
6	998.545	32.20	-11.30	44.0	-11.80	Peak	273.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



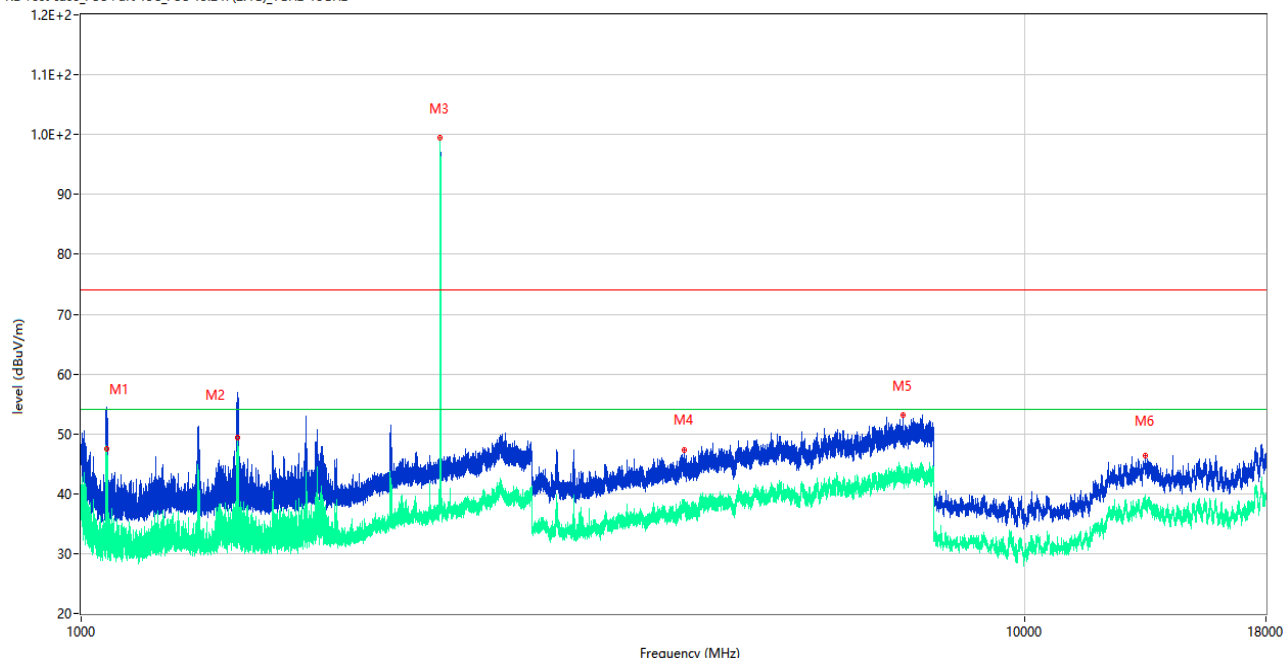
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.819	24.03	-26.38	30.0	-5.97	Peak	185.00	100	Vertical	Pass
2	104.914	25.24	-27.72	33.5	-8.26	Peak	123.00	100	Vertical	Pass
3	117.521	24.04	-29.36	33.5	-9.46	Peak	204.00	100	Vertical	Pass
4	197.768	22.74	-27.83	33.5	-10.76	Peak	275.00	100	Vertical	Pass
5	241.650	26.95	-26.64	36.0	-9.05	Peak	0.00	200	Vertical	Pass
6	296.198	22.95	-25.20	36.0	-13.05	Peak	0.00	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

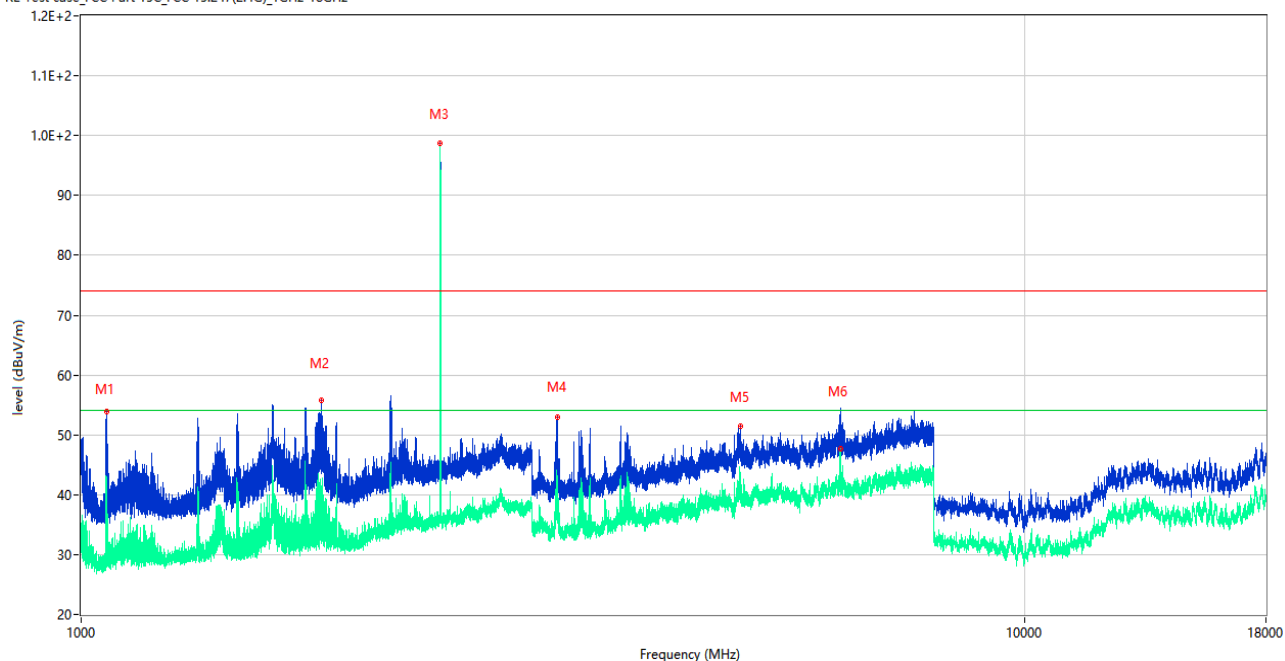
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.600	51.55	-20.46	74.0	-22.45	Peak	130.00	100	Horizontal	Pass
1**	1063.600	47.46	-20.46	54.0	-6.54	AV	130.00	100	Horizontal	Pass
2	1466.300	51.48	-19.58	74.0	-22.52	Peak	257.00	150	Horizontal	Pass
2**	1466.300	49.31	-19.58	54.0	-4.69	AV	257.00	150	Horizontal	Pass
3	2402.200	99.79	-14.91	74.0	25.79	Peak	70.00	150	Horizontal	N/A
3**	2402.200	99.46	-14.91	54.0	45.46	AV	70.00	150	Horizontal	N/A
4	4355.500	47.31	-5.92	74.0	-26.69	Peak	360.00	200	Horizontal	Pass
4**	4355.500	37.42	-5.92	54.0	-16.58	AV	360.00	200	Horizontal	Pass
5	7435.500	53.23	-1.73	74.0	-20.77	Peak	207.00	400	Horizontal	Pass
5**	7435.500	43.28	-1.73	54.0	-10.72	AV	207.00	400	Horizontal	Pass
6	13402.500	46.42	2.58	74.0	-27.58	Peak	278.00	200	Horizontal	Pass
6**	13402.500	39.75	2.58	54.0	-14.25	AV	278.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

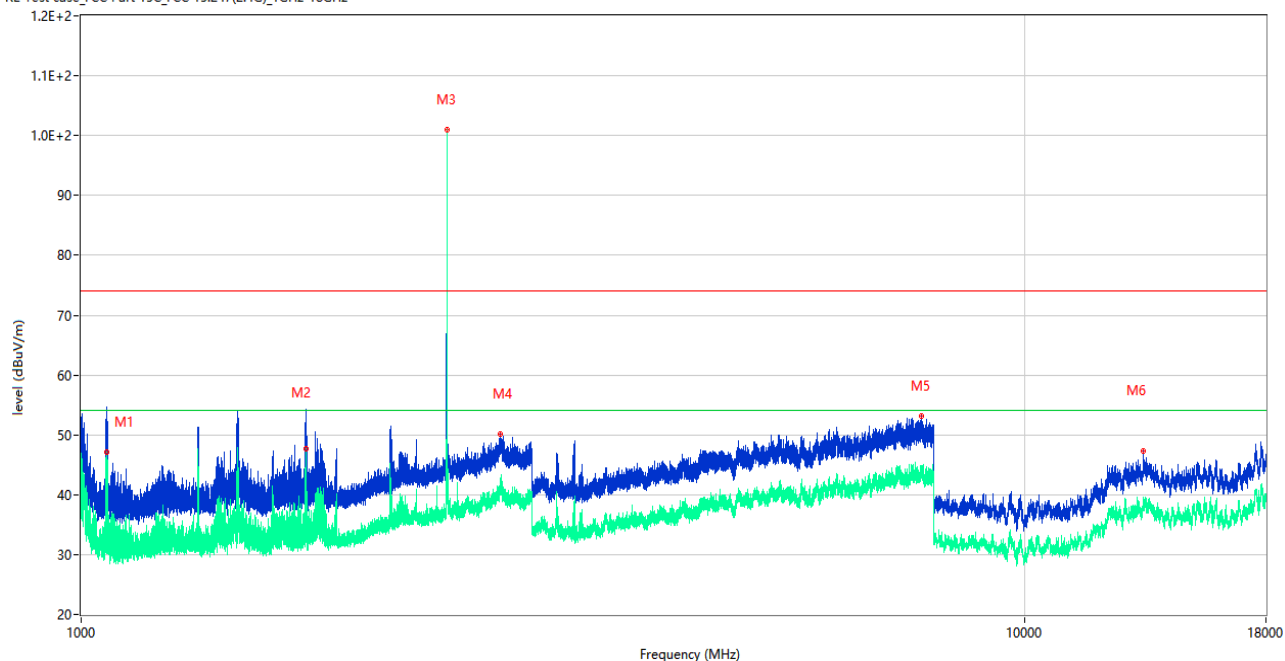
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.400	53.98	-20.47	74.0	-20.02	Peak	145.00	300	Vertical	Pass
1**	1065.400	37.28	-20.47	54.0	-16.72	AV	145.00	300	Vertical	Pass
2	1799.100	55.73	-19.03	74.0	-18.27	Peak	27.00	100	Vertical	Pass
2**	1799.100	38.43	-19.03	54.0	-15.57	AV	27.00	100	Vertical	Pass
3	2402.100	98.66	-14.99	74.0	24.66	Peak	111.00	200	Vertical	N/A
3**	2402.100	98.13	-14.99	54.0	44.13	AV	111.00	200	Vertical	N/A
4	3194.750	52.96	-10.24	74.0	-21.04	Peak	0.00	300	Vertical	Pass
4**	3194.750	40.51	-10.24	54.0	-13.49	AV	0.00	300	Vertical	Pass
5	4993.000	51.50	-4.52	74.0	-22.50	Peak	219.00	200	Vertical	Pass
5**	4993.000	40.21	-4.52	54.0	-13.79	AV	219.00	200	Vertical	Pass
6	6374.750	54.27	-4.35	74.0	-19.73	Peak	237.00	100	Vertical	Pass
6**	6374.750	47.69	-4.35	54.0	-6.31	AV	237.00	100	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

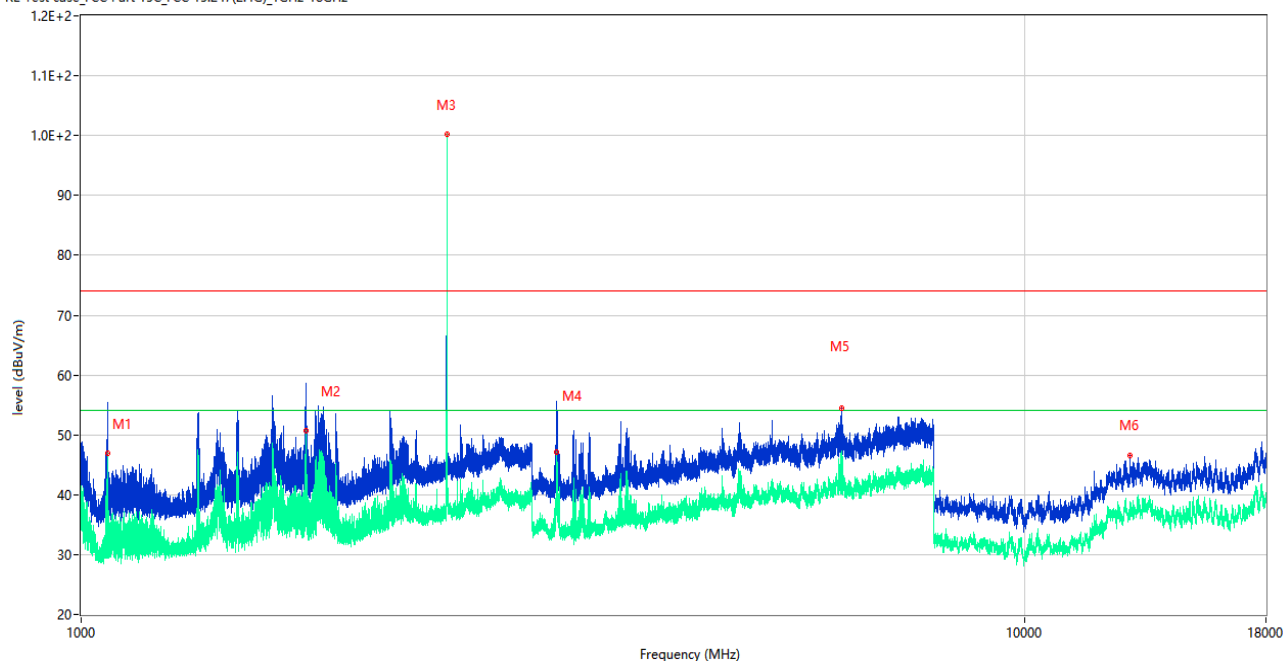
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.600	40.75	-20.44	74.0	-33.25	Peak	117.00	300	Horizontal	Pass
1**	1065.600	47.07	-20.44	54.0	-6.93	AV	117.00	300	Horizontal	Pass
2	1732.500	39.79	-18.94	74.0	-34.21	Peak	43.00	200	Horizontal	Pass
2**	1732.500	47.70	-18.94	54.0	-6.30	AV	43.00	200	Horizontal	Pass
3	2440.900	101.12	-14.23	74.0	27.12	Peak	81.00	100	Horizontal	N/A
3**	2440.900	100.70	-14.23	54.0	46.70	AV	81.00	100	Horizontal	N/A
4	2783.100	50.16	-9.34	74.0	-23.84	Peak	61.00	200	Horizontal	Pass
4**	2783.100	42.05	-9.34	54.0	-11.95	AV	61.00	200	Horizontal	Pass
5	7767.500	53.19	-0.33	74.0	-20.81	Peak	360.00	300	Horizontal	Pass
5**	7767.500	43.64	-0.33	54.0	-10.36	AV	360.00	300	Horizontal	Pass
6	13335.000	47.35	2.37	74.0	-26.65	Peak	33.00	200	Horizontal	Pass
6**	13335.000	37.41	2.37	54.0	-16.59	AV	33.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

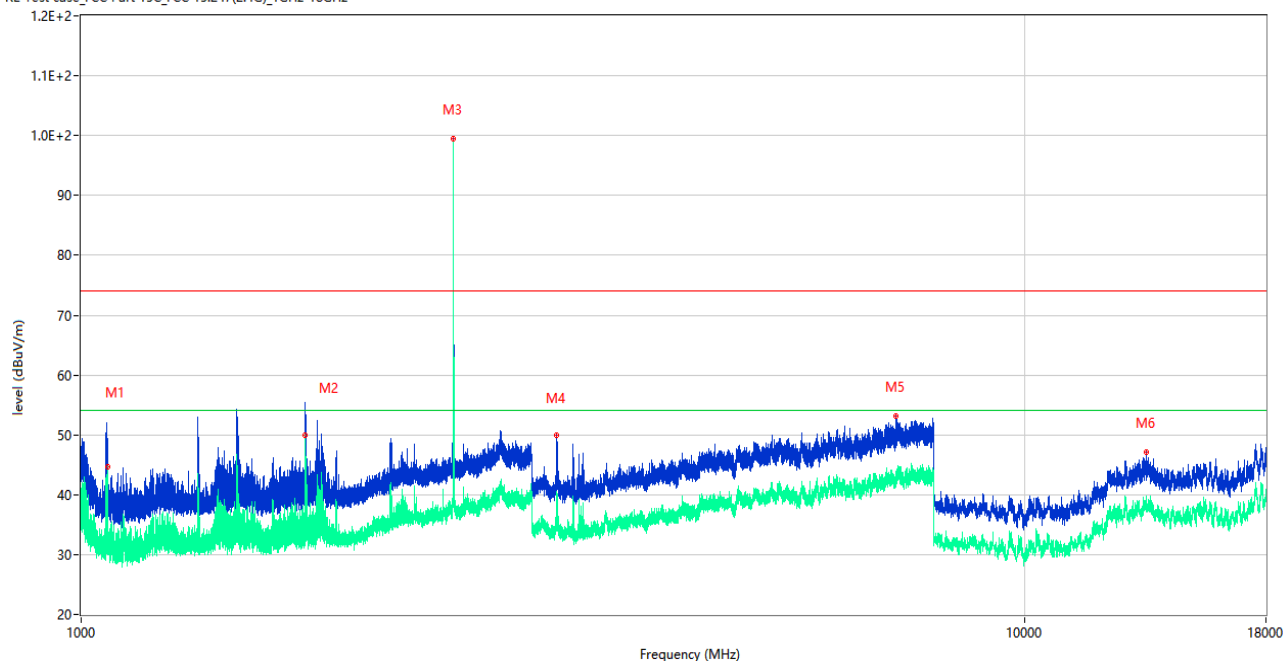
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.300	37.02	-20.50	74.0	-36.98	Peak	0.00	200	Vertical	Pass
1**	1066.300	47.02	-20.50	54.0	-6.98	AV	0.00	200	Vertical	Pass
2	1731.400	57.58	-19.00	74.0	-16.42	Peak	24.00	200	Vertical	Pass
2**	1731.400	50.77	-19.00	54.0	-3.23	AV	24.00	200	Vertical	Pass
3	2440.900	100.35	-14.23	74.0	26.35	Peak	58.00	100	Vertical	N/A
3**	2440.900	99.76	-14.23	54.0	45.76	AV	58.00	100	Vertical	N/A
4	3192.250	45.77	-10.00	74.0	-28.23	Peak	226.00	300	Vertical	Pass
4**	3192.250	47.08	-10.00	54.0	-6.92	AV	226.00	300	Vertical	Pass
5	6389.000	54.47	-4.43	74.0	-19.53	Peak	243.00	200	Vertical	Pass
5**	6389.000	42.48	-4.43	54.0	-11.52	AV	243.00	200	Vertical	Pass
6	12910.000	46.64	0.51	74.0	-27.36	Peak	317.00	100	Vertical	Pass
6**	12910.000	37.12	0.51	54.0	-16.88	AV	317.00	100	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

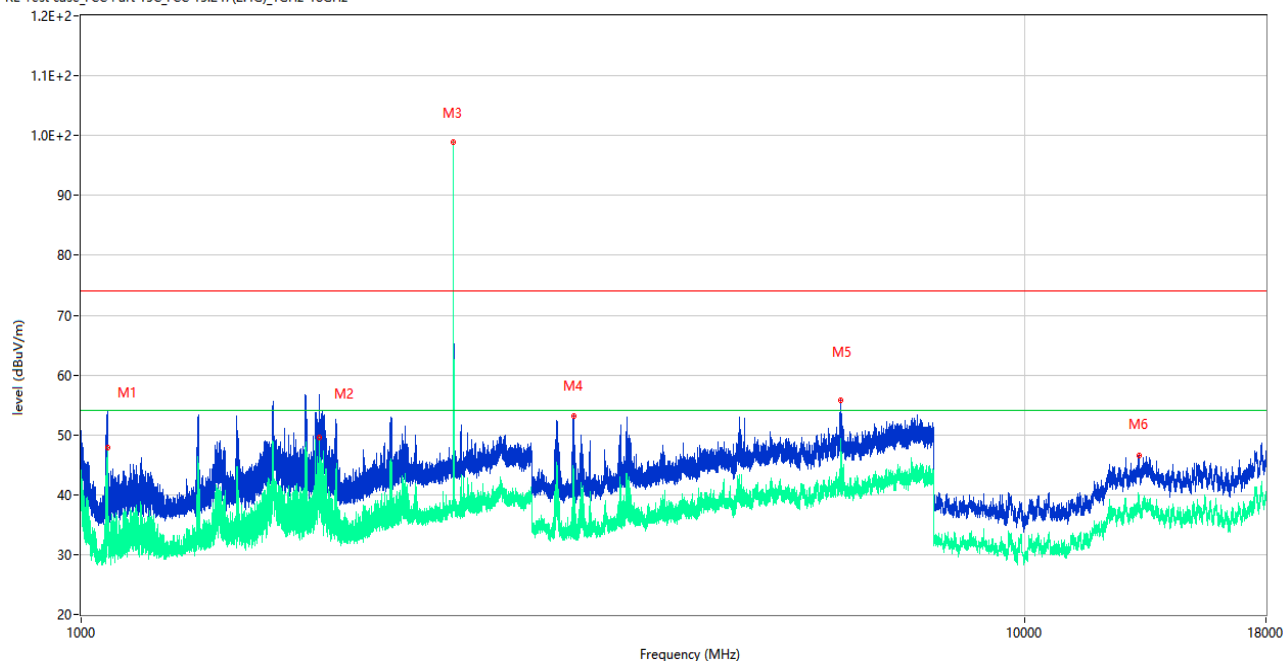
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.100	42.22	-20.27	74.0	-31.78	Peak	360.00	200	Horizontal	Pass
1**	1066.100	44.60	-20.27	54.0	-9.40	AV	360.00	200	Horizontal	Pass
2	1726.400	49.83	-18.90	74.0	-24.17	Peak	80.00	100	Horizontal	Pass
2**	1726.400	49.94	-18.90	54.0	-4.06	AV	80.00	100	Horizontal	Pass
3	2479.800	99.38	-14.06	74.0	25.38	Peak	277.00	150	Horizontal	N/A
3**	2479.800	98.42	-14.06	54.0	44.42	AV	277.00	150	Horizontal	N/A
4	3187.250	49.87	-9.53	74.0	-24.13	Peak	254.00	100	Horizontal	Pass
4**	3187.250	39.19	-9.53	54.0	-14.81	AV	254.00	100	Horizontal	Pass
5	7299.250	53.05	-1.90	74.0	-20.95	Peak	324.00	300	Horizontal	Pass
5**	7299.250	43.87	-1.90	54.0	-10.13	AV	324.00	300	Horizontal	Pass
6	13437.500	47.13	2.13	74.0	-26.87	Peak	82.00	200	Horizontal	Pass
6**	13437.500	38.34	2.13	54.0	-15.66	AV	82.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

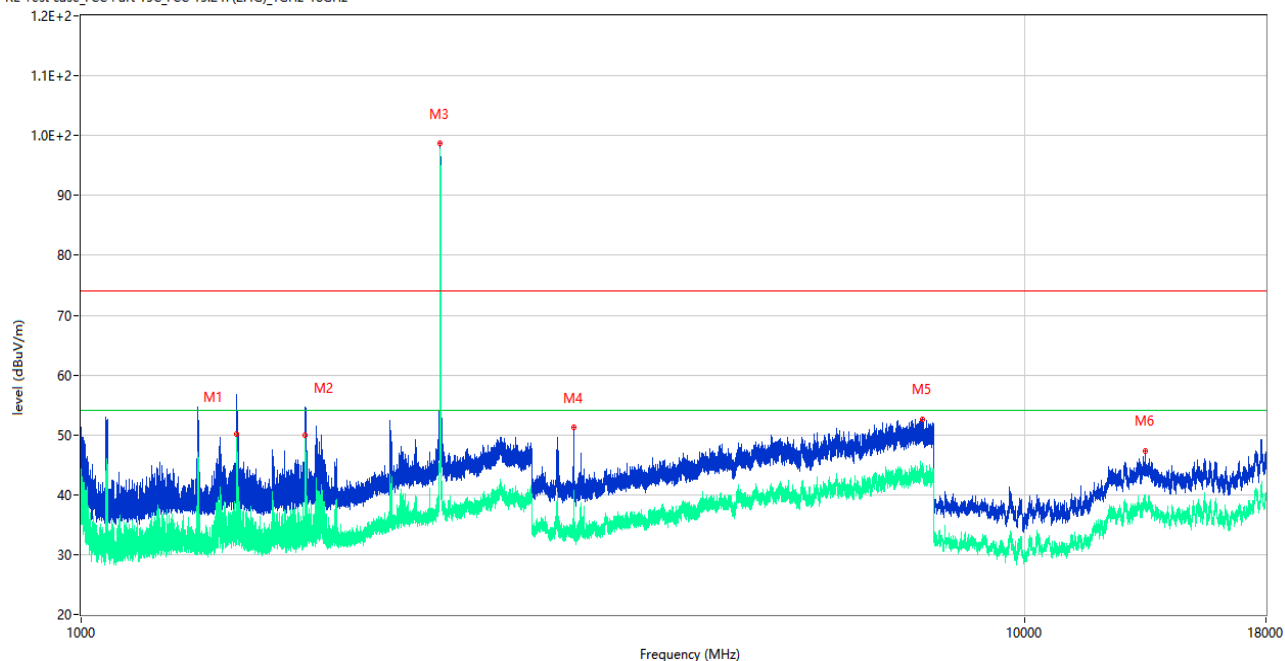
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.700	50.35	-21.02	74.0	-23.65	Peak	334.00	400	Vertical	Pass
1**	1066.700	47.85	-21.02	54.0	-6.15	AV	334.00	400	Vertical	Pass
2	1788.300	51.06	-19.48	74.0	-22.94	Peak	199.00	150	Vertical	Pass
2**	1788.300	49.49	-19.48	54.0	-4.51	AV	199.00	150	Vertical	Pass
3	2479.800	99.07	-14.06	74.0	25.07	Peak	64.00	100	Vertical	N/A
3**	2479.800	98.76	-14.06	54.0	44.76	AV	64.00	100	Vertical	N/A
4	3324.250	53.18	-10.68	74.0	-20.82	Peak	346.00	100	Vertical	Pass
4**	3324.250	35.74	-10.68	54.0	-18.26	AV	346.00	100	Vertical	Pass
5	6375.750	55.87	-4.40	74.0	-18.13	Peak	241.00	400	Vertical	Pass
5**	6375.750	43.94	-4.40	54.0	-10.06	AV	241.00	400	Vertical	Pass
6	13197.500	46.55	3.16	74.0	-27.45	Peak	214.00	300	Vertical	Pass
6**	13197.500	39.98	3.16	54.0	-14.02	AV	214.00	300	Vertical	Pass

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

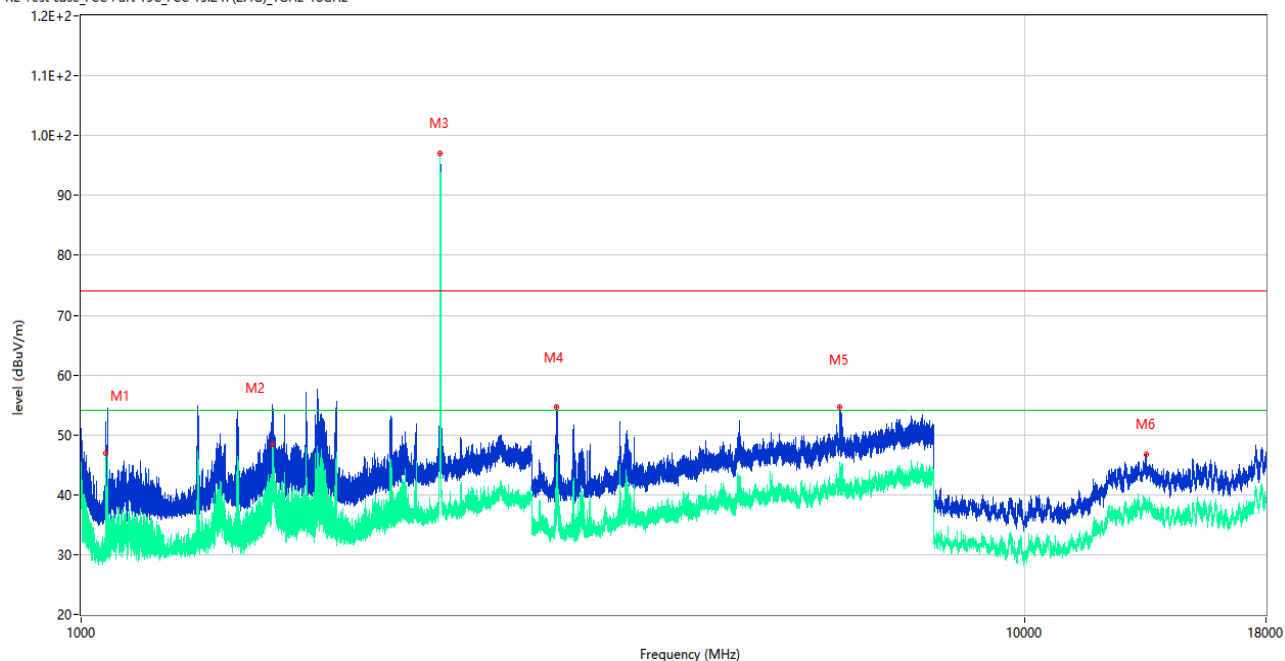
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.000	44.39	-19.36	74.0	-29.61	Peak	283.00	300	Horizontal	Pass
1**	1462.000	50.06	-19.36	54.0	-3.94	AV	283.00	300	Horizontal	Pass
2	1726.500	46.41	-18.80	74.0	-27.59	Peak	199.00	200	Horizontal	Pass
2**	1726.500	49.94	-18.80	54.0	-4.06	AV	199.00	200	Horizontal	Pass
3	2402.200	98.64	-14.91	74.0	24.64	Peak	123.00	200	Horizontal	N/A
3**	2402.200	97.82	-14.91	54.0	43.82	AV	123.00	200	Horizontal	N/A
4	3324.250	51.23	-10.68	74.0	-22.77	Peak	123.00	100	Horizontal	Pass
4**	3324.250	38.66	-10.68	54.0	-15.34	AV	123.00	100	Horizontal	Pass
5	7782.750	52.50	-1.01	74.0	-21.50	Peak	0.00	300	Horizontal	Pass
5**	7782.750	43.66	-1.01	54.0	-10.34	AV	0.00	300	Horizontal	Pass
6	13407.500	47.29	2.52	74.0	-26.71	Peak	2.00	100	Horizontal	Pass
6**	13407.500	39.28	2.52	54.0	-14.72	AV	2.00	100	Horizontal	Pass

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

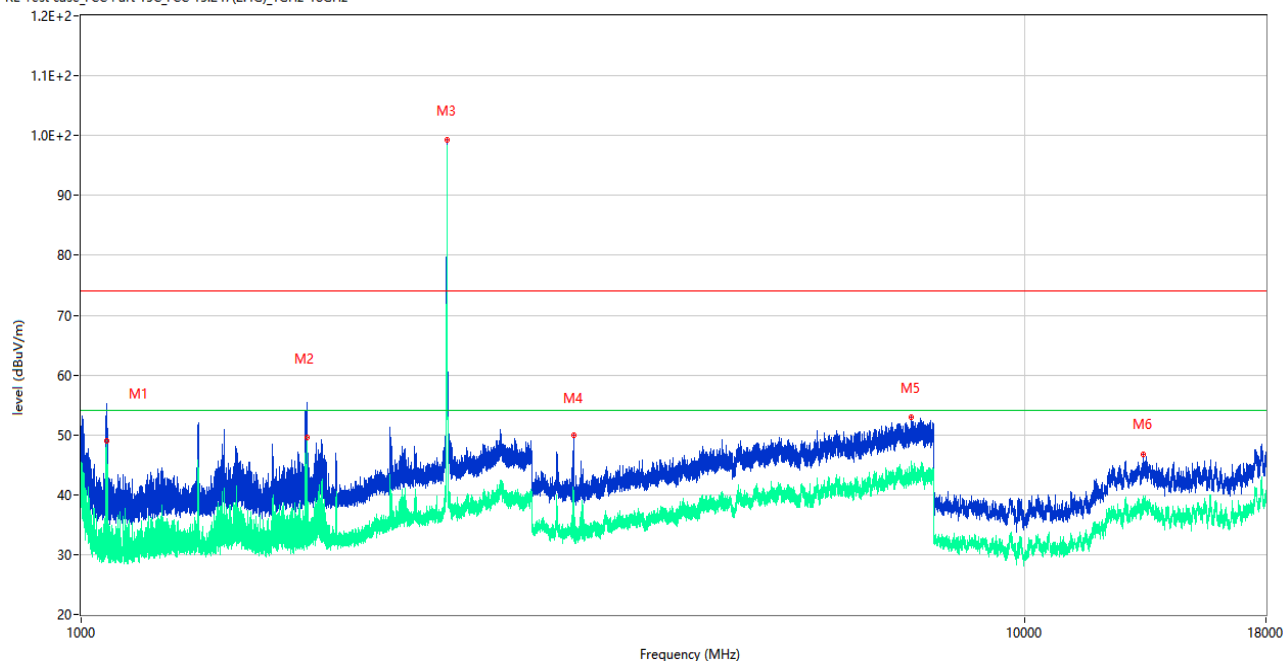
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1062.200	52.15	-20.63	74.0	-21.85	Peak	355.00	400	Vertical	Pass
1**	1062.200	46.84	-20.63	54.0	-7.16	AV	355.00	400	Vertical	Pass
2	1594.100	53.96	-19.36	74.0	-20.04	Peak	337.00	200	Vertical	Pass
2**	1594.100	48.51	-19.36	54.0	-5.49	AV	337.00	200	Vertical	Pass
3	2402.200	96.97	-14.91	74.0	22.97	Peak	53.00	200	Vertical	N/A
3**	2402.200	96.20	-14.91	54.0	42.20	AV	53.00	200	Vertical	N/A
4	3187.500	54.60	-9.65	74.0	-19.40	Peak	196.00	100	Vertical	Pass
4**	3187.500	43.36	-9.65	54.0	-10.64	AV	196.00	100	Vertical	Pass
5	6362.750	54.69	-3.63	74.0	-19.31	Peak	250.00	200	Vertical	Pass
5**	6362.750	40.96	-3.63	54.0	-13.04	AV	250.00	200	Vertical	Pass
6	13440.000	46.69	2.10	74.0	-27.31	Peak	128.00	200	Vertical	Pass
6**	13440.000	38.72	2.10	54.0	-15.28	AV	128.00	200	Vertical	Pass

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

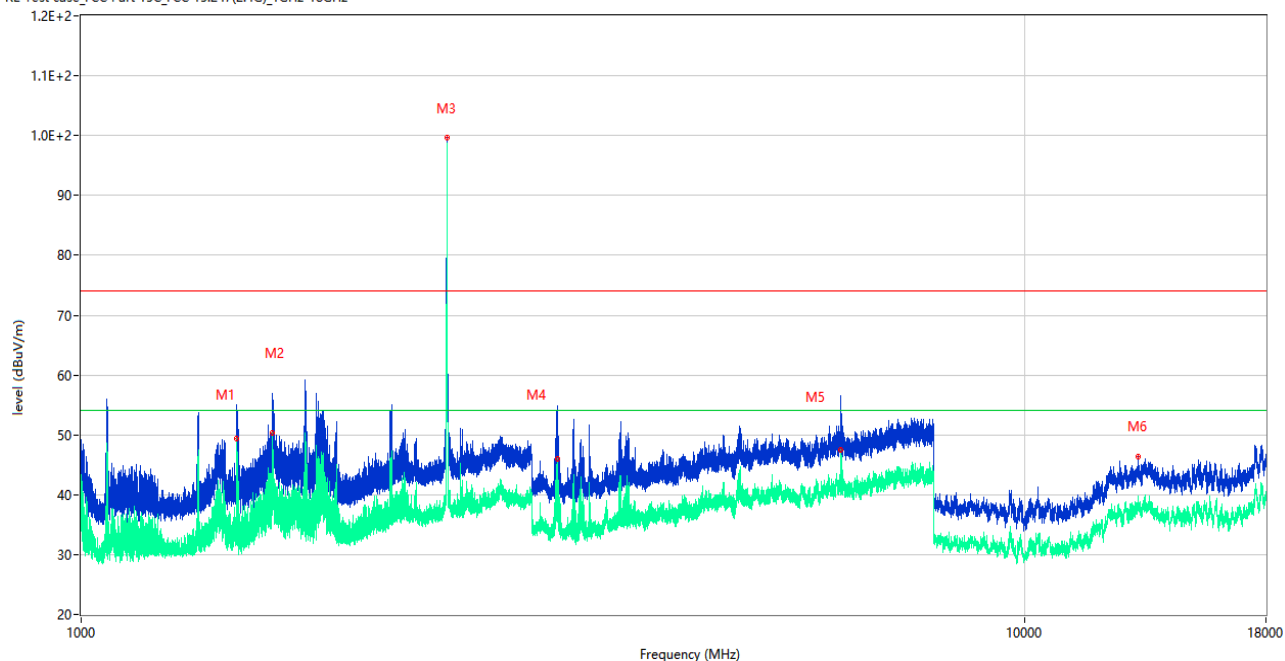
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.200	53.15	-21.16	74.0	-20.85	Peak	225.00	300	Horizontal	Pass
1**	1064.200	48.97	-21.16	54.0	-5.03	AV	225.00	300	Horizontal	Pass
2	1733.200	47.18	-19.25	74.0	-26.82	Peak	143.00	100	Horizontal	Pass
2**	1733.200	49.50	-19.25	54.0	-4.50	AV	143.00	100	Horizontal	Pass
3	2440.900	99.26	-14.23	74.0	25.26	Peak	77.00	150	Horizontal	N/A
3**	2440.900	97.89	-14.23	54.0	43.89	AV	77.00	150	Horizontal	N/A
4	3328.500	49.95	-10.89	74.0	-24.05	Peak	240.00	100	Horizontal	Pass
4**	3328.500	33.90	-10.89	54.0	-20.10	AV	240.00	100	Horizontal	Pass
5	7585.500	53.03	-0.18	74.0	-20.97	Peak	258.00	100	Horizontal	Pass
5**	7585.500	45.63	-0.18	54.0	-8.37	AV	258.00	100	Horizontal	Pass
6	13355.000	46.81	2.72	74.0	-27.19	Peak	147.00	300	Horizontal	Pass
6**	13355.000	37.84	2.72	54.0	-16.16	AV	147.00	300	Horizontal	Pass

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

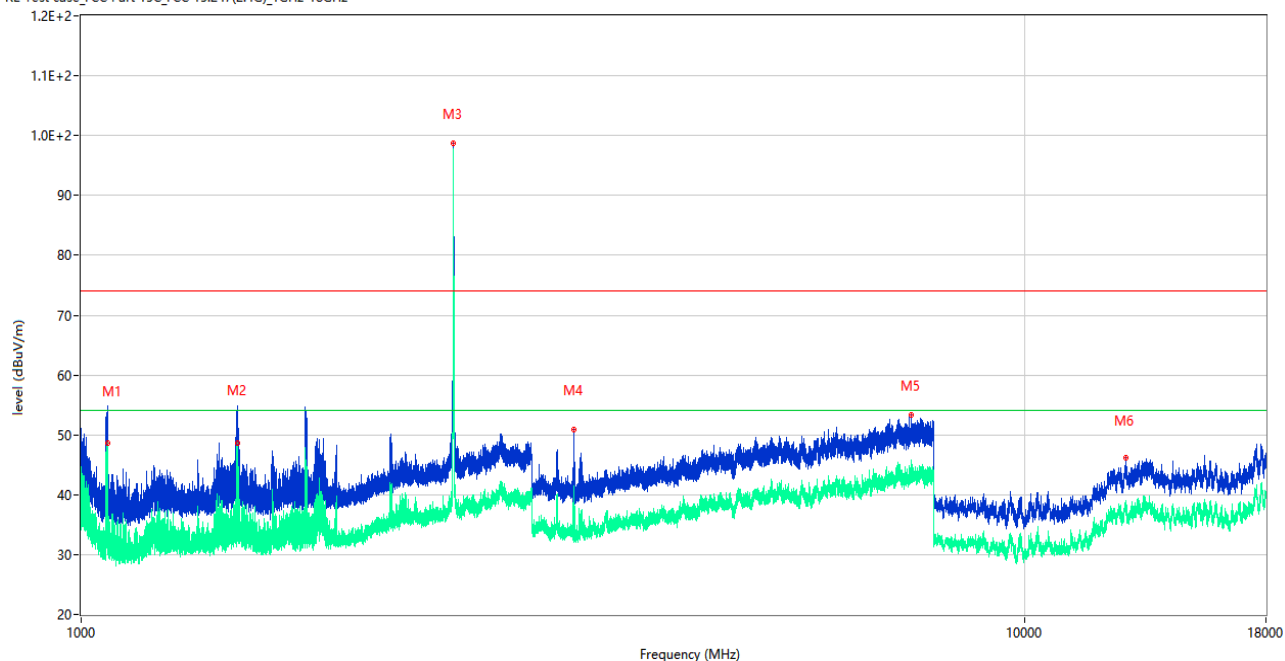
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1461.400	49.38	-19.28	74.0	-24.62	Peak	1.00	400	Vertical	Pass
1**	1461.400	49.37	-19.28	54.0	-4.63	AV	1.00	400	Vertical	Pass
2	1593.900	52.13	-19.37	74.0	-21.87	Peak	326.00	150	Vertical	Pass
2**	1593.900	50.33	-19.37	54.0	-3.67	AV	326.00	150	Vertical	Pass
3	2440.900	99.62	-14.23	74.0	25.62	Peak	58.00	100	Vertical	N/A
3**	2440.900	98.38	-14.23	54.0	44.38	AV	58.00	100	Vertical	N/A
4	3199.250	50.68	-10.19	74.0	-23.32	Peak	360.00	100	Vertical	Pass
4**	3199.250	46.06	-10.19	54.0	-7.94	AV	360.00	100	Vertical	Pass
5	6382.500	53.56	-4.51	74.0	-20.44	Peak	244.00	300	Vertical	Pass
5**	6382.500	47.50	-4.51	54.0	-6.50	AV	244.00	300	Vertical	Pass
6	13192.500	46.38	3.05	74.0	-27.62	Peak	319.00	100	Vertical	Pass
6**	13192.500	38.97	3.05	54.0	-15.03	AV	319.00	100	Vertical	Pass

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

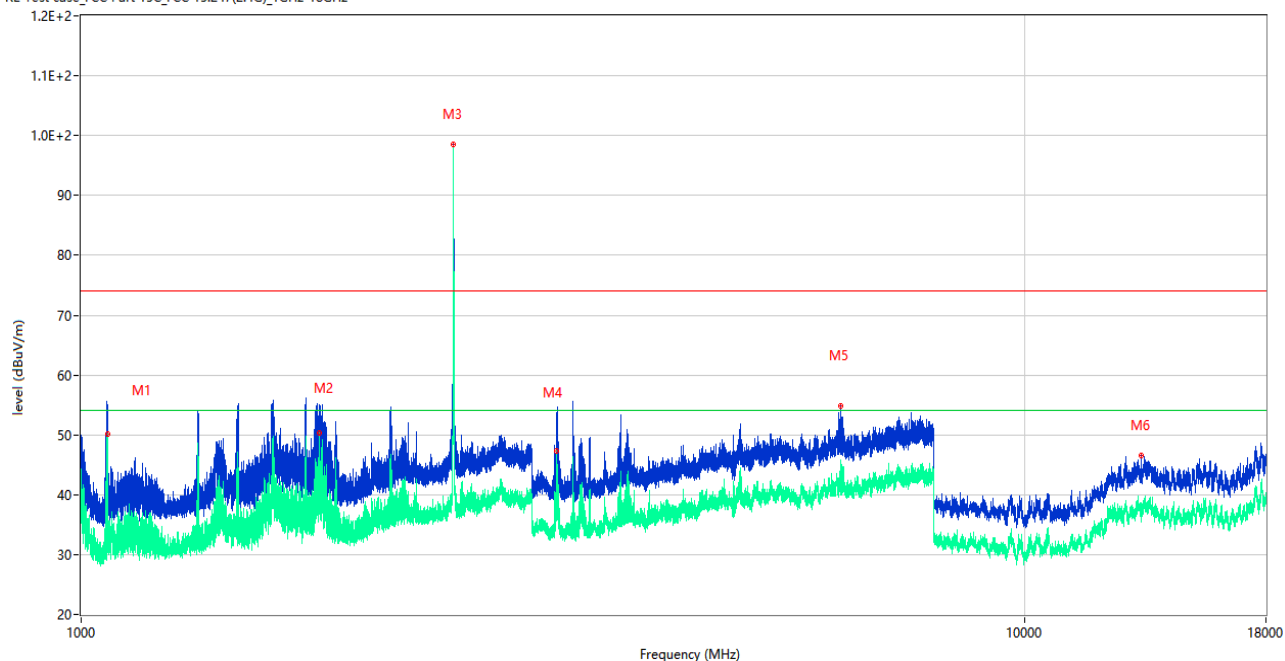
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.900	54.32	-20.35	74.0	-19.68	Peak	124.00	400	Horizontal	Pass
1**	1065.900	48.72	-20.35	54.0	-5.28	AV	124.00	400	Horizontal	Pass
2	1465.300	52.88	-19.71	74.0	-21.12	Peak	150.00	100	Horizontal	Pass
2**	1465.300	48.59	-19.71	54.0	-5.41	AV	150.00	100	Horizontal	Pass
3	2479.800	98.65	-14.06	74.0	24.65	Peak	274.00	150	Horizontal	N/A
3**	2479.800	97.49	-14.06	54.0	43.49	AV	274.00	150	Horizontal	N/A
4	3328.000	50.96	-10.79	74.0	-23.04	Peak	128.00	100	Horizontal	Pass
4**	3328.000	33.79	-10.79	54.0	-20.21	AV	128.00	100	Horizontal	Pass
5	7577.750	53.36	-0.00	74.0	-20.64	Peak	164.00	200	Horizontal	Pass
5**	7577.750	44.48	-0.00	54.0	-9.52	AV	164.00	200	Horizontal	Pass
6	12785.000	46.17	1.87	74.0	-27.83	Peak	252.00	200	Horizontal	Pass
6**	12785.000	37.71	1.87	54.0	-16.29	AV	252.00	200	Horizontal	Pass

8-DPSK HIGH 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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	41.18	-20.31	74.0	-32.82	Peak	118.00	300	Vertical	Pass
1**	1066.000	50.05	-20.31	54.0	-3.95	AV	118.00	300	Vertical	Pass
2	1787.700	50.25	-19.05	74.0	-23.75	Peak	195.00	100	Vertical	Pass
2**	1787.700	50.25	-19.05	54.0	-3.75	AV	195.00	100	Vertical	Pass
3	2479.800	98.44	-14.06	74.0	24.44	Peak	64.00	100	Vertical	N/A
3**	2479.800	97.52	-14.06	54.0	43.52	AV	64.00	100	Vertical	N/A
4	3187.250	48.63	-9.53	74.0	-25.37	Peak	344.00	100	Vertical	Pass
4**	3187.250	47.30	-9.53	54.0	-6.70	AV	344.00	100	Vertical	Pass
5	6374.000	54.89	-4.29	74.0	-19.11	Peak	237.00	200	Vertical	Pass
5**	6374.000	44.42	-4.29	54.0	-9.58	AV	237.00	200	Vertical	Pass
6	13277.500	46.55	1.38	74.0	-27.45	Peak	51.00	300	Vertical	Pass
6**	13277.500	37.13	1.38	54.0	-16.87	AV	51.00	300	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.

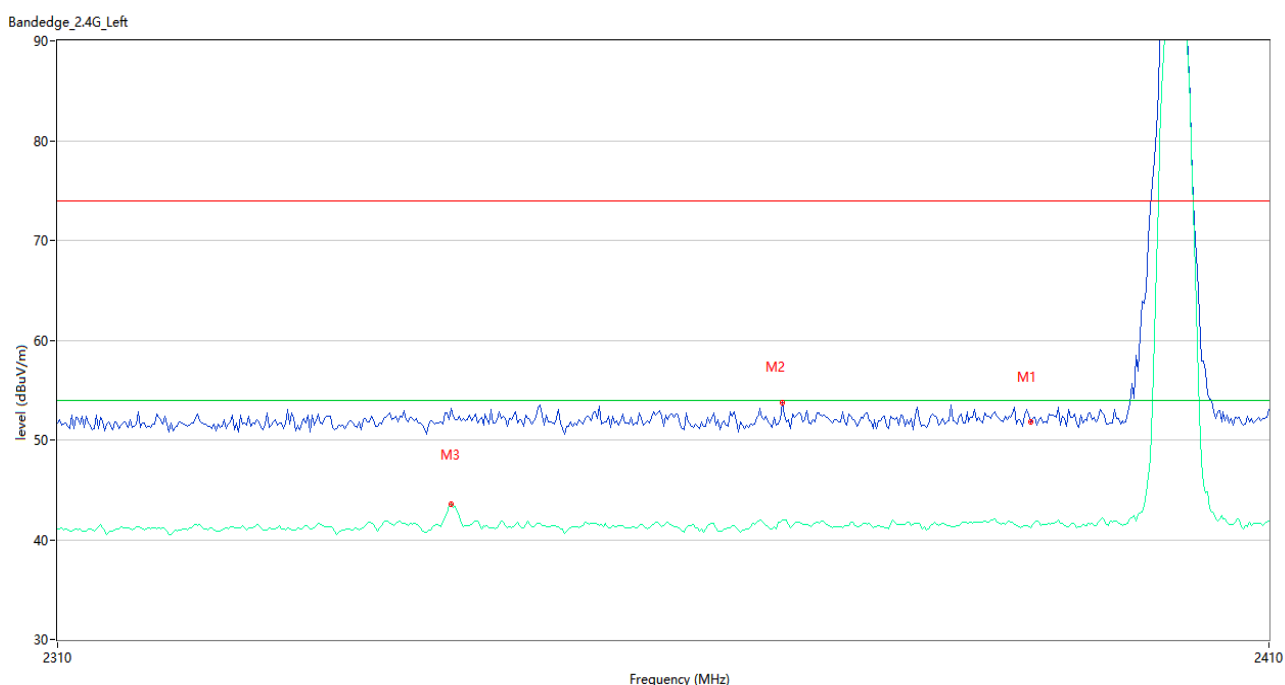
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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.

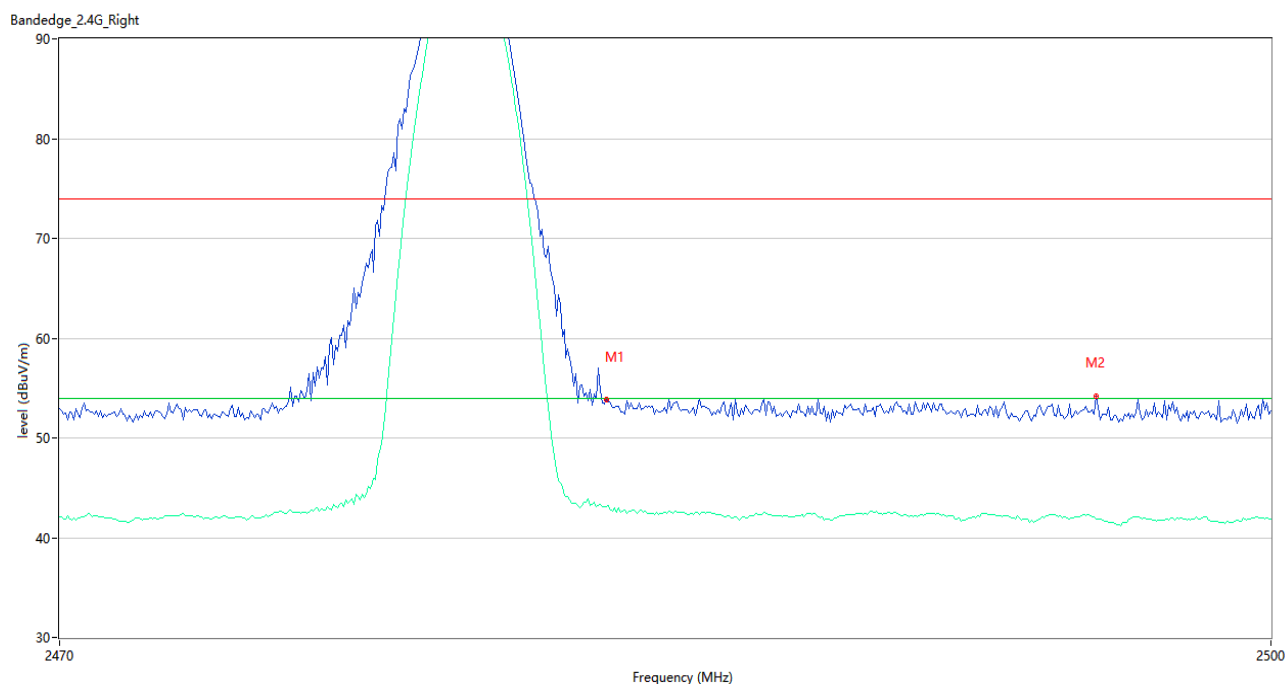
Test Data and Plots

GFSK LOW CHANNEL



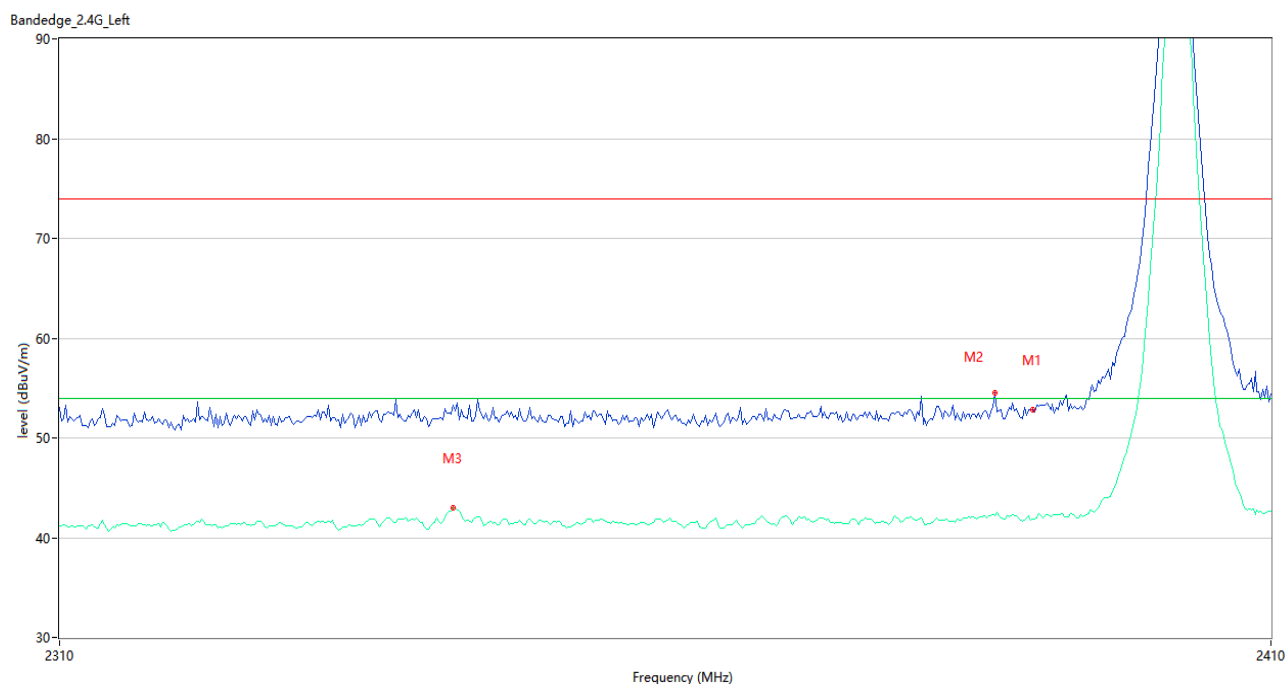
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.80	-3.52	74.0	-22.20	Peak	117.00	100	Horizontal	Pass
1**	2390.000	41.16	-3.52	54.0	-12.84	AV	117.00	100	Horizontal	Pass
2	2369.333	53.74	-2.67	74.0	-20.26	Peak	282.00	150	Horizontal	Pass
2**	2369.333	41.97	-2.67	54.0	-12.03	AV	282.00	150	Horizontal	Pass
3	2342.000	53.12	-2.85	74.0	-20.88	Peak	131.00	150	Horizontal	Pass
3**	2342.000	43.55	-2.85	54.0	-10.45	AV	131.00	150	Horizontal	Pass

GFSK HIGH CHANNEL



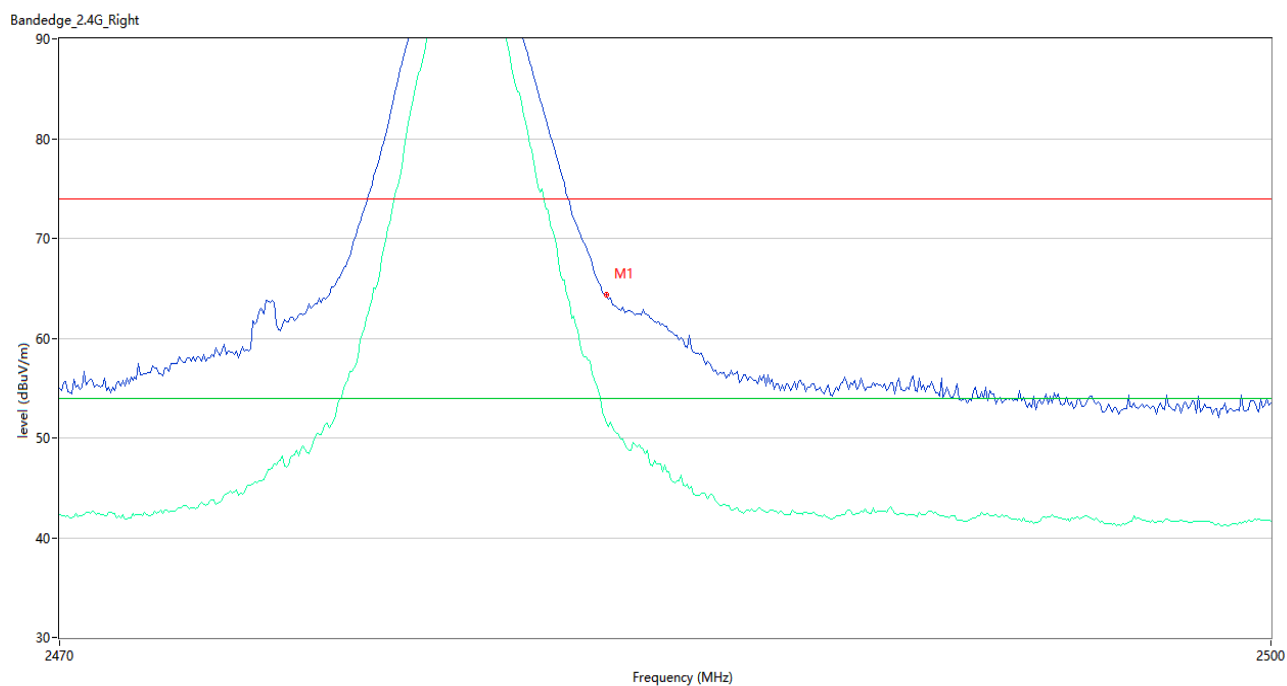
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.85	-2.54	74.0	-20.15	Peak	262.00	150	Horizontal	Pass
1**	2483.500	43.06	-2.54	54.0	-10.94	AV	262.00	150	Horizontal	Pass
2	2495.650	54.13	-2.85	74.0	-19.87	Peak	112.00	200	Horizontal	Pass
2**	2495.650	41.89	-2.85	54.0	-12.11	AV	112.00	200	Horizontal	Pass

8-DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.82	-3.52	74.0	-21.18	Peak	80.00	150	Horizontal	Pass
1**	2390.000	41.91	-3.52	54.0	-12.09	AV	80.00	150	Horizontal	Pass
2	2386.833	54.51	-2.76	74.0	-19.49	Peak	246.00	150	Horizontal	Pass
2**	2386.833	42.20	-2.76	54.0	-11.80	AV	246.00	150	Horizontal	Pass
3	2342.000	53.26	-2.85	74.0	-20.74	Peak	320.00	200	Horizontal	Pass
3**	2342.000	43.02	-2.85	54.0	-10.98	AV	320.00	200	Horizontal	Pass

8-DPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.38	-2.54	74.0	-9.62	Peak	258.00	150	Horizontal	Pass
1**	2483.500	51.49	-2.54	54.0	-2.51	AV	258.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2280937-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2280937-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2280937-AI.PDF”.

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--END OF REPORT--