

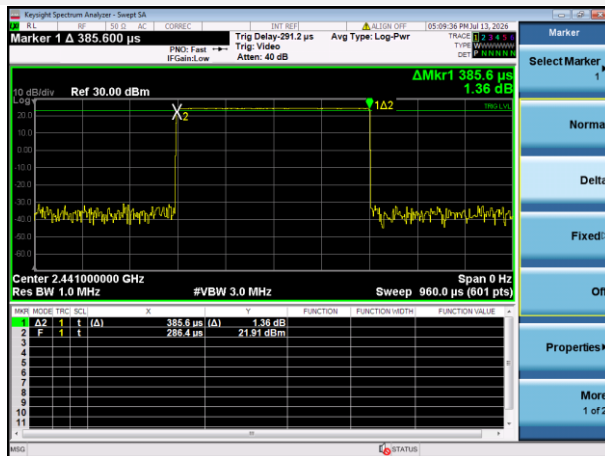
A.5 Average Time of Occupancy

Test Data

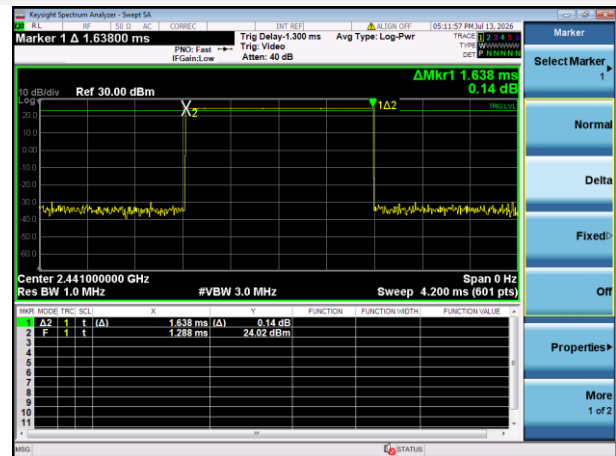
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38560	123.392	0.4	Pass
DH 3	1.63800	262.080	0.4	Pass
DH 5	2.89200	308.480	0.4	Pass
8DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.39680	126.976	0.4	Pass
3DH 3	1.64500	263.200	0.4	Pass
3DH 5	2.89200	308.480	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38400	61.440	0.4	Pass
DH 3	1.63800	131.040	0.4	Pass
DH 5	2.89200	154.240	0.4	Pass

Test Plots

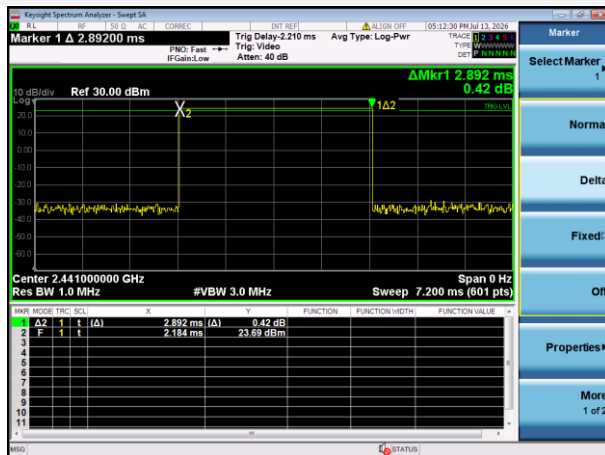
GFSK DH1



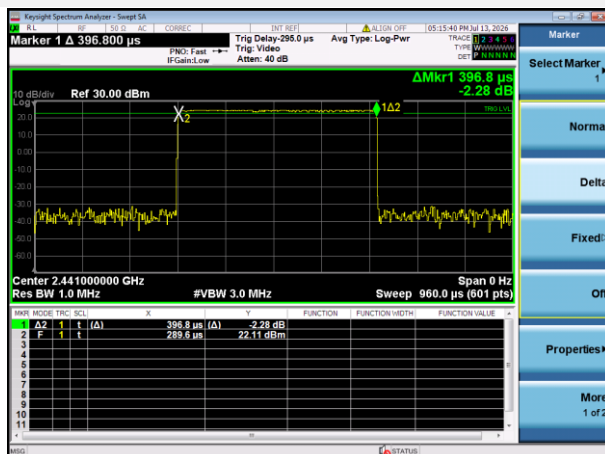
GFSK DH3



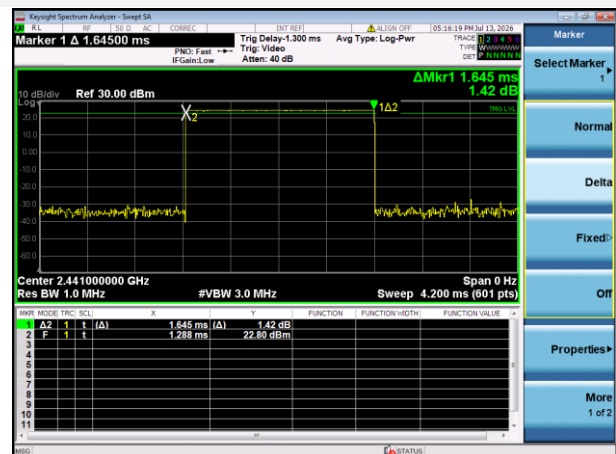
GFSK DH5



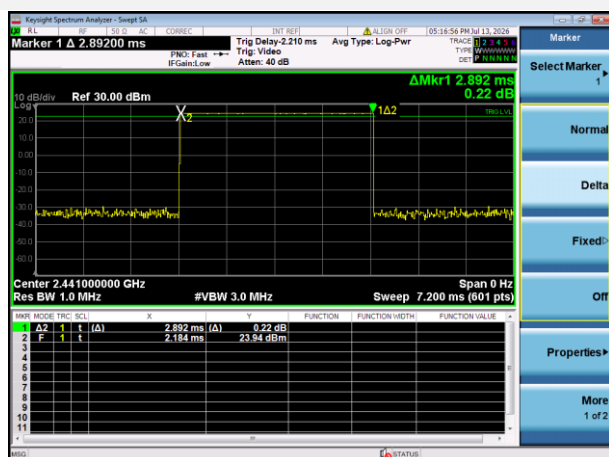
8DPSK 3DH1



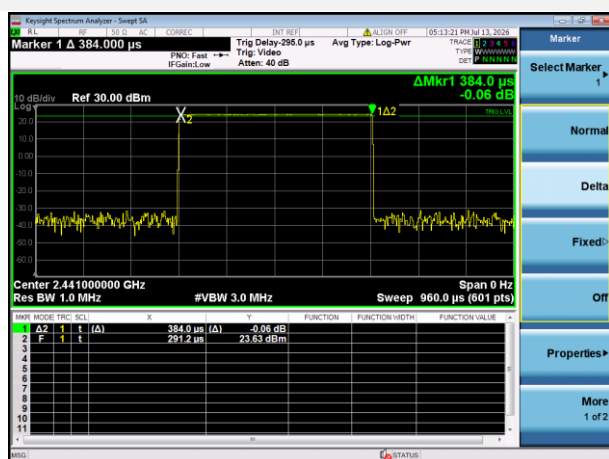
8DPSK 3DH3



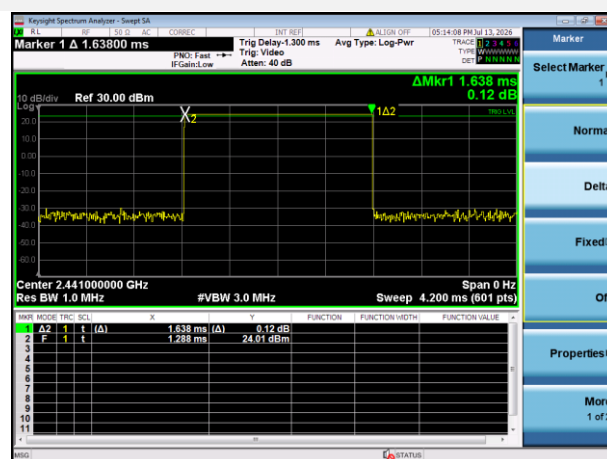
8DPSK 3DH5



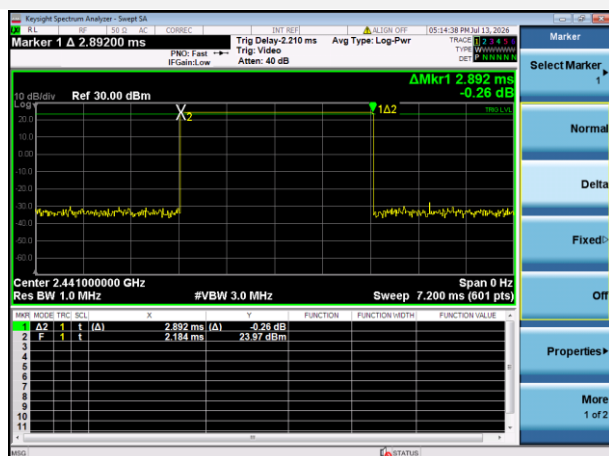
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

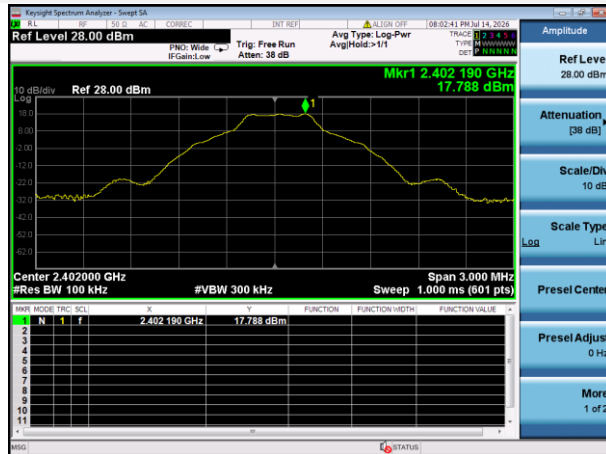
Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.80	17.79	-2.21	Pass
Middle	-28.62	16.77	-3.23	Pass
High	-30.49	16.15	-3.85	Pass
8DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-30.80	16.79	-3.21	Pass
Middle	-30.30	16.67	-3.33	Pass
High	-30.02	16.32	-3.68	Pass

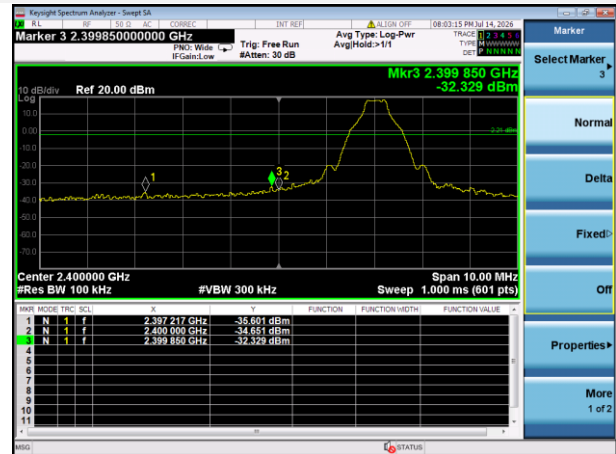
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-30.63	16.95	-3.05	Pass
8DPSK	-30.12	16.95	-3.05	Pass

Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL

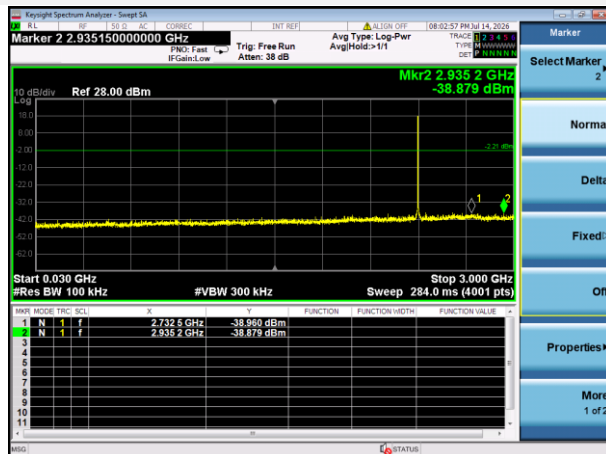


GFSK LOW CHANNEL, BAND EDGE



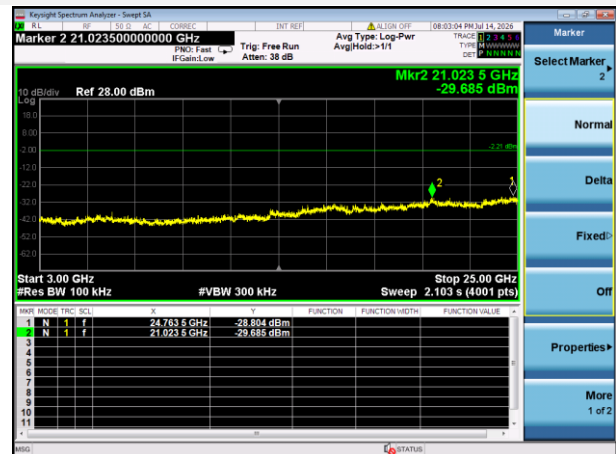
GFSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

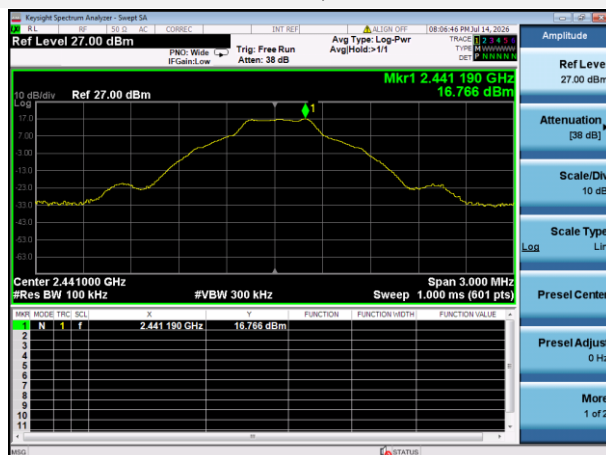


GFSK LOW CHANNEL, SPURIOUS

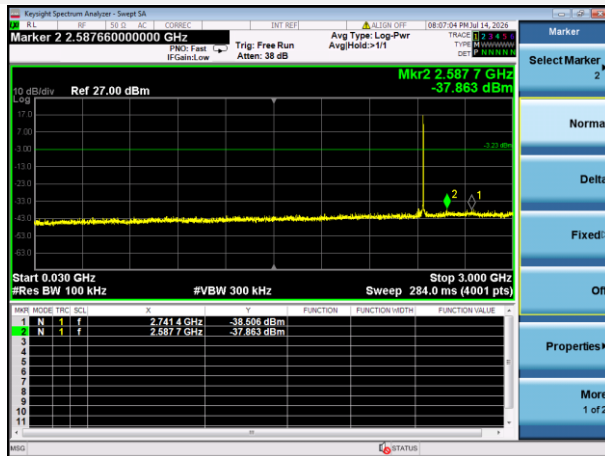
3 GHz ~ 25 GHz



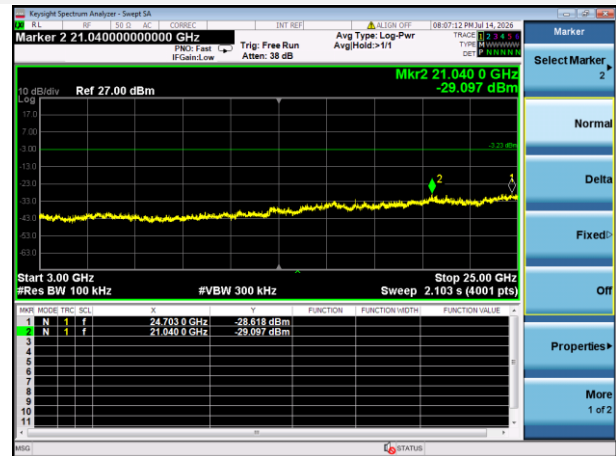
GFSK MIDDLE CHANNEL, CARRIER LEVEL



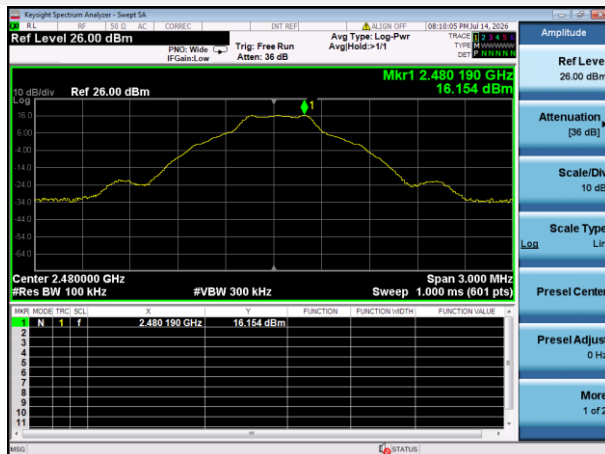
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



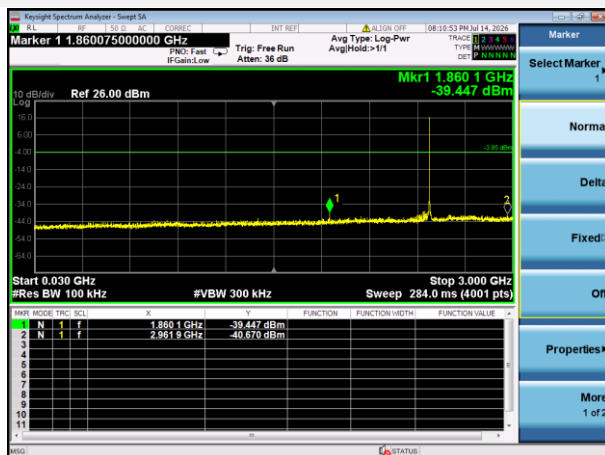
GFSK HIGH CHANNEL, CARRIER LEVEL



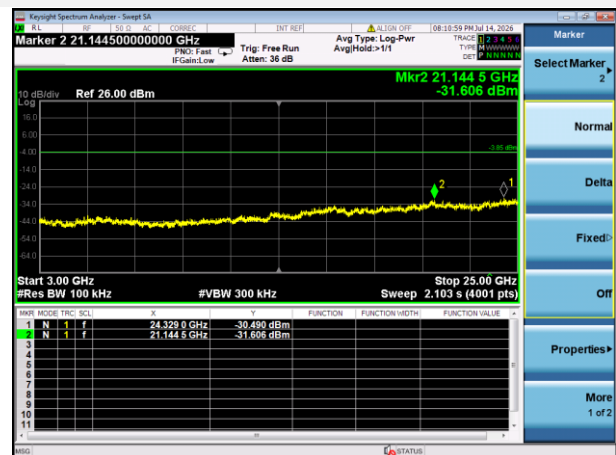
GFSK HIGH CHANNEL, BAND EDGE



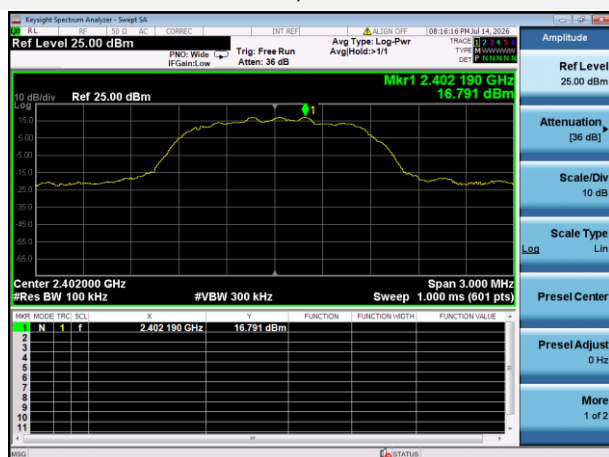
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



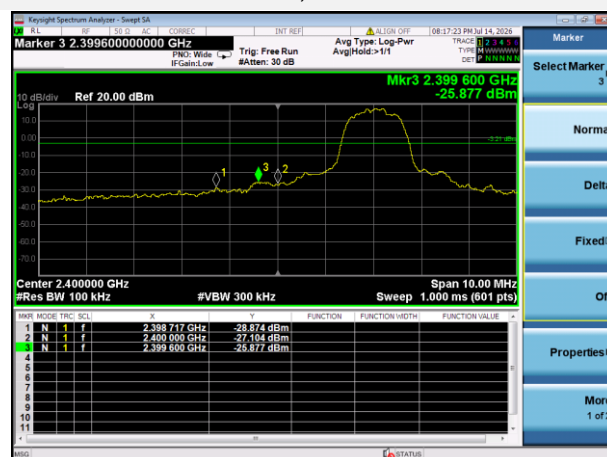
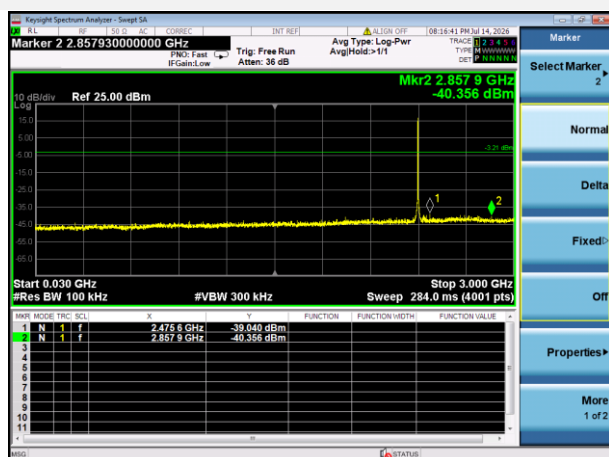
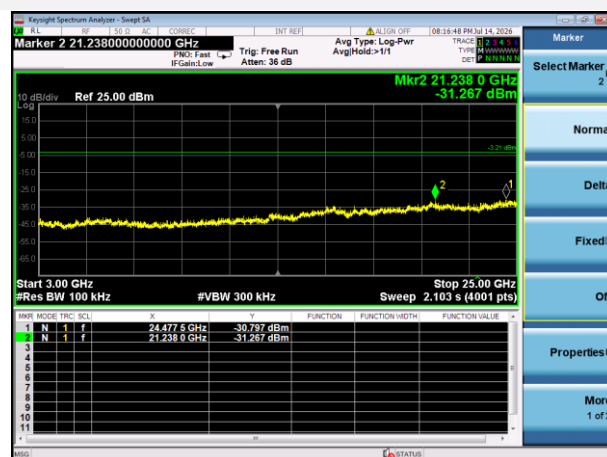
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



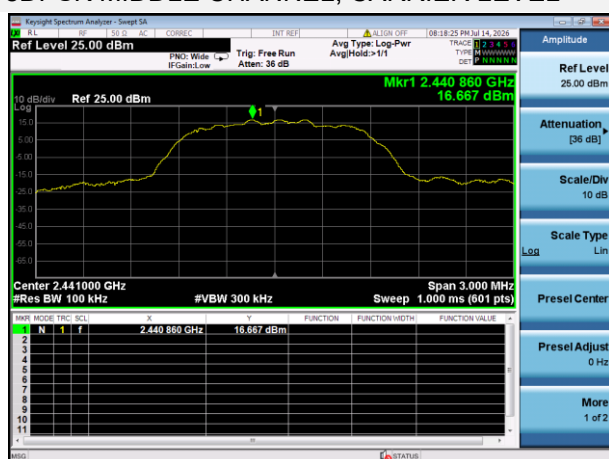
8DPSK LOW CHANNEL, CARRIER LEVEL



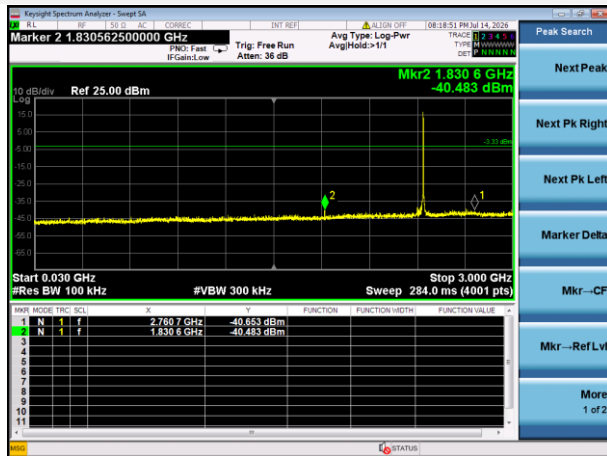
8DPSK LOW CHANNEL, BAND EDGE

8DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz8DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

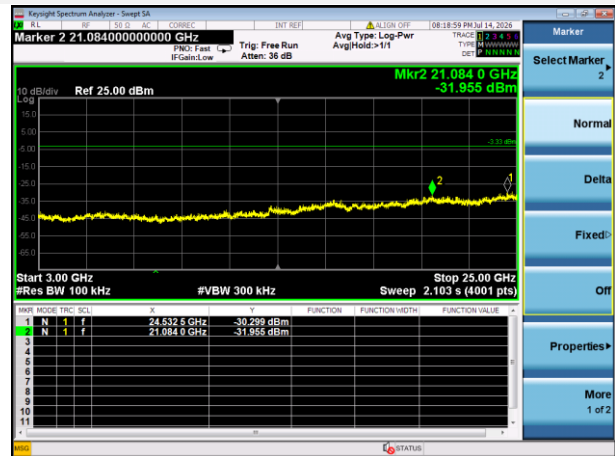
8DPSK MIDDLE CHANNEL, CARRIER LEVEL



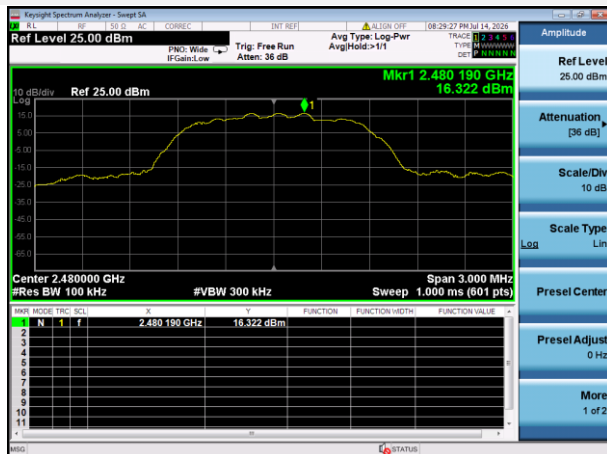
8DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



8DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



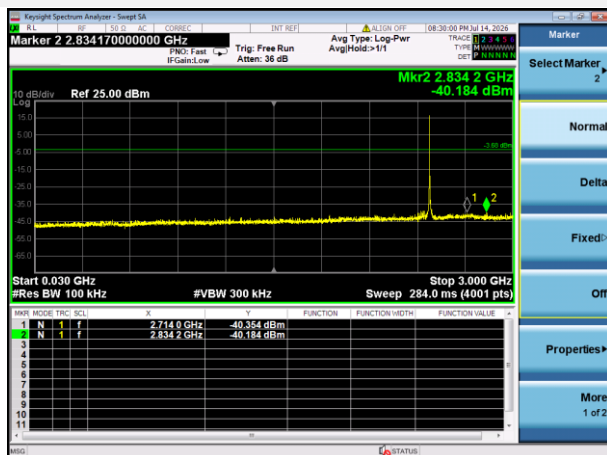
8DPSK HIGH CHANNEL, CARRIER LEVEL



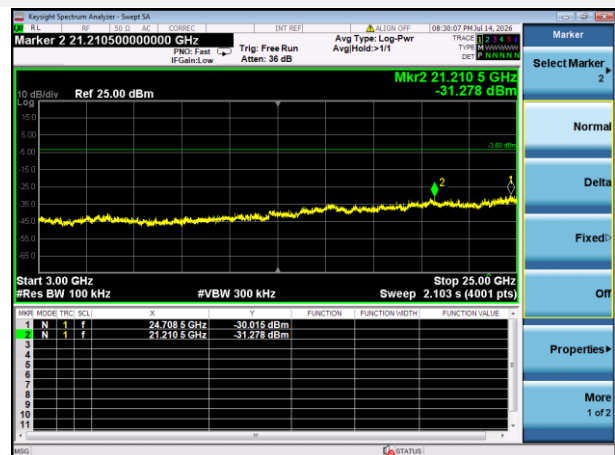
8DPSK HIGH CHANNEL, BAND EDGE



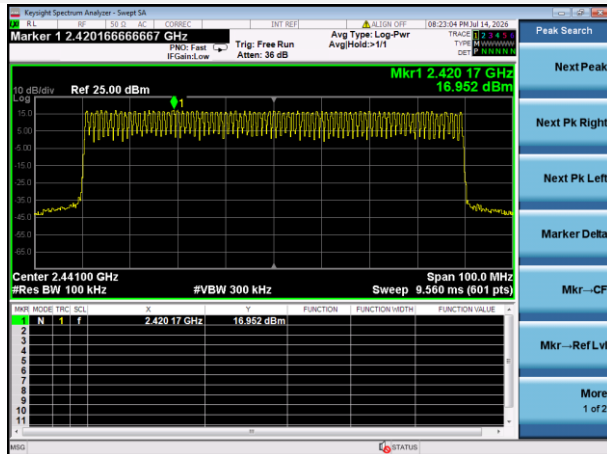
8DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



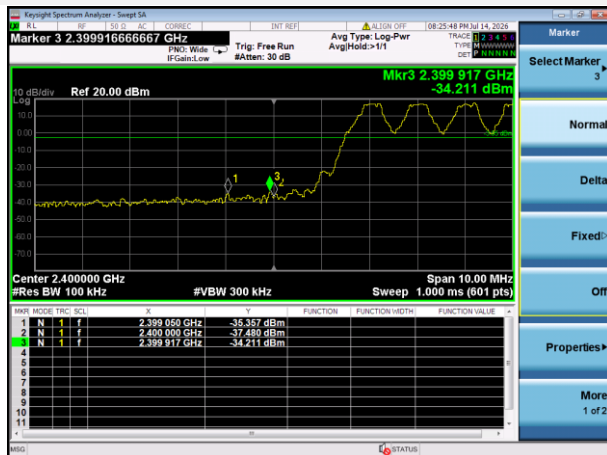
8DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



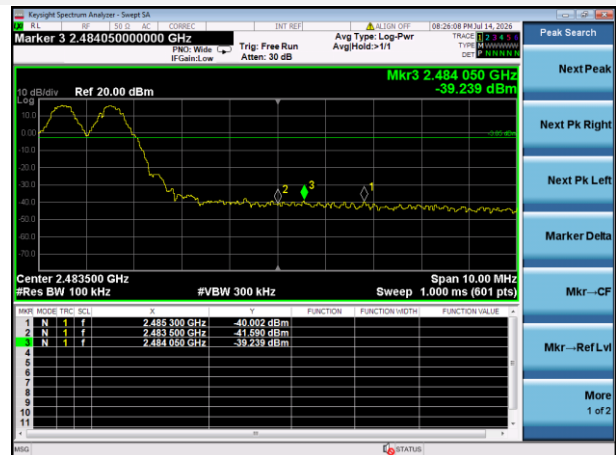
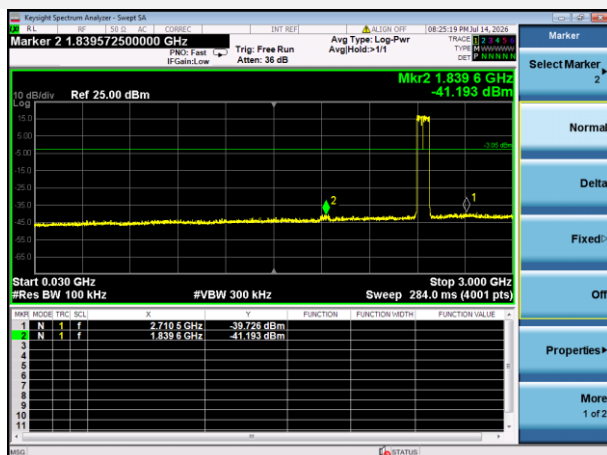
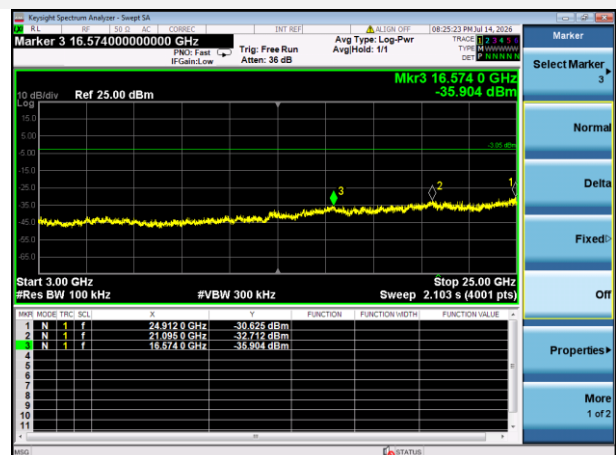
GFSK HOPPING, CARRIER LEVEL



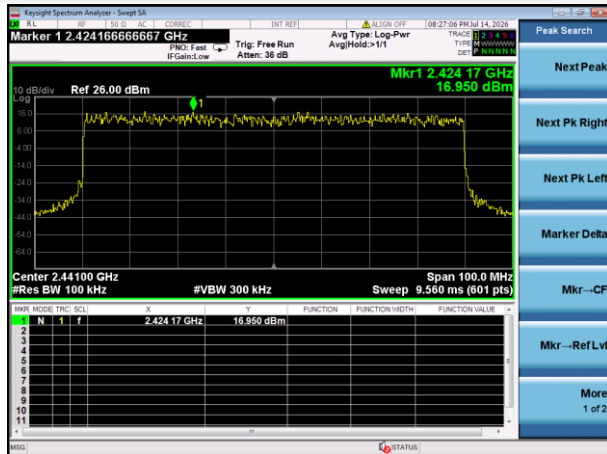
GFSK HOPPING BAND EDGE (LOW)



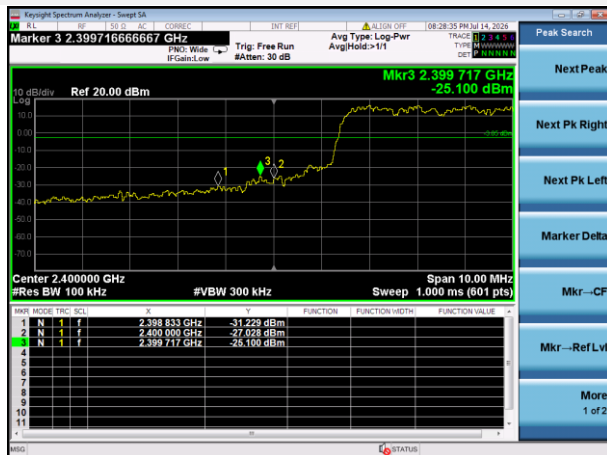
GFSK HOPPING BAND EDGE (HIGH)

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

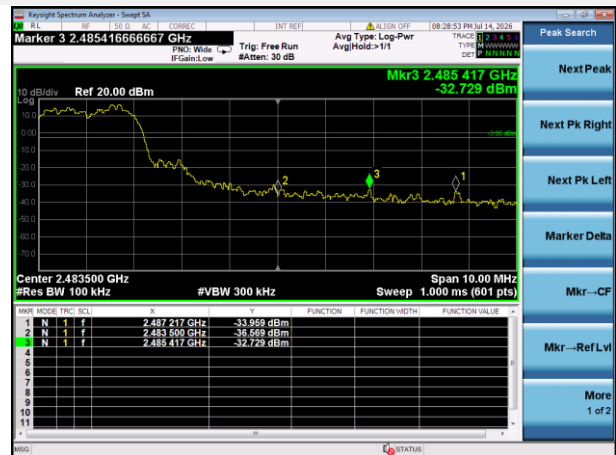
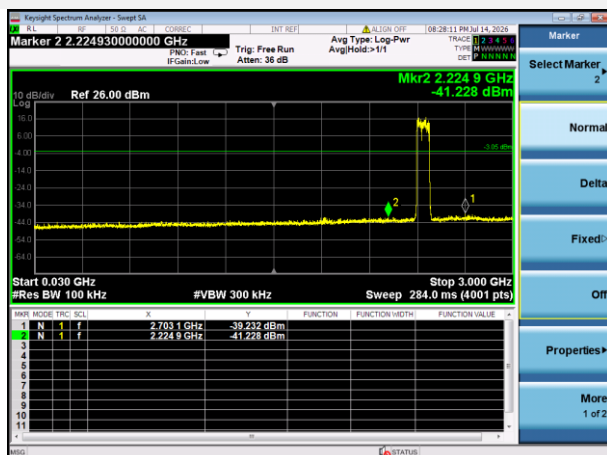
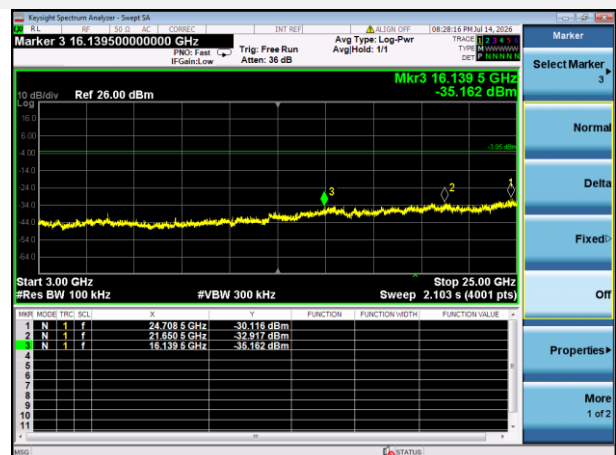
8DPSK HOPPING, CARRIER LEVEL



8DPSK Hopping BAND EDGE (LOW)



8DPSK Hopping BAND EDGE (HIGH)

8DPSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHz8DPSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

A.7 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

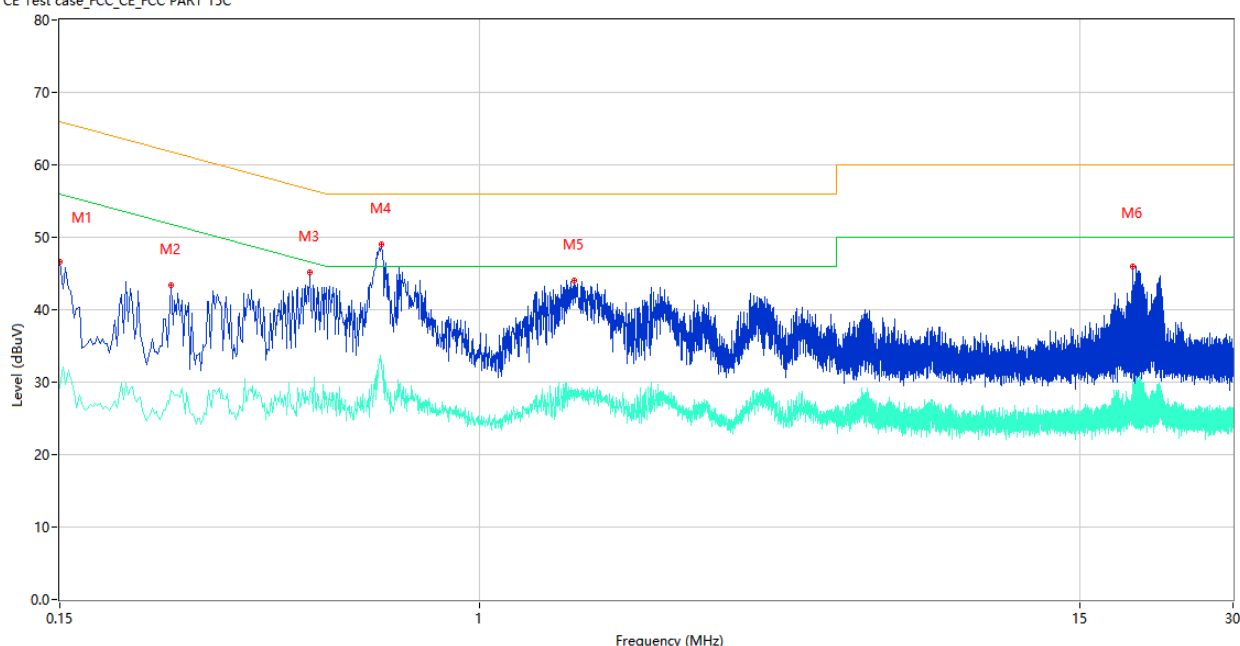
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

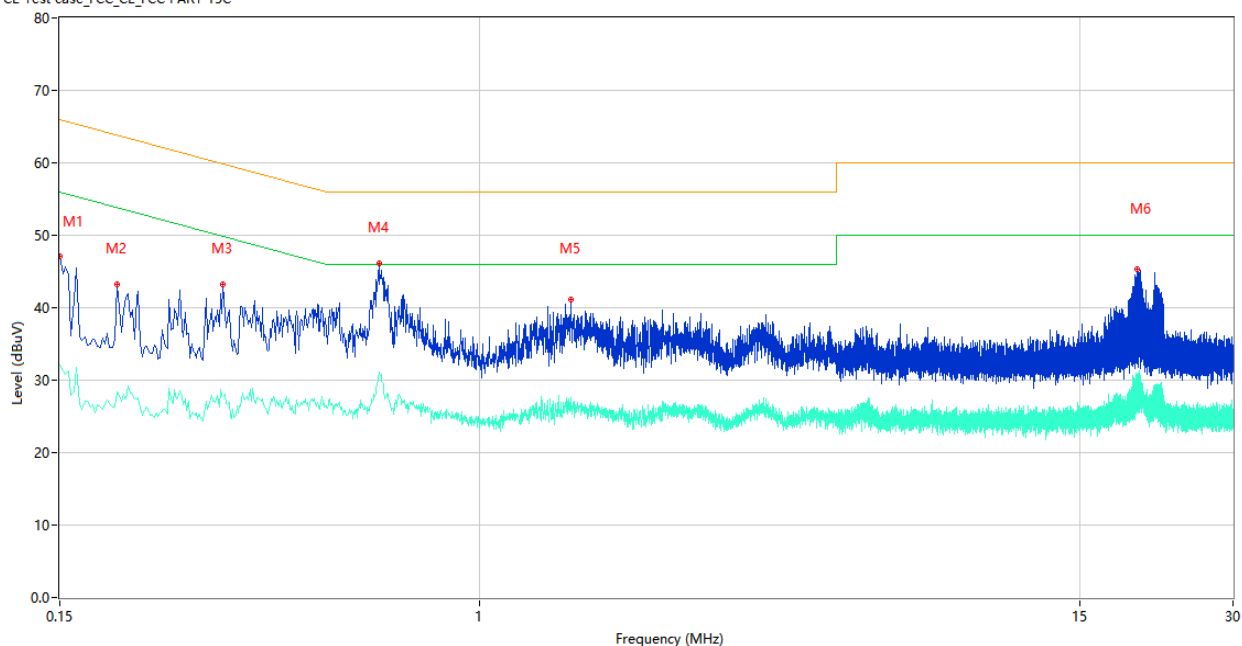
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	46.58	9.86	66.00	19.42	Peak	L	Pass
1**	0.150	29.18	9.86	56.00	26.82	AV	L	Pass
2	0.248	43.41	9.82	61.82	18.41	Peak	L	Pass
2**	0.248	28.88	9.82	51.82	22.94	AV	L	Pass
3	0.464	45.11	10.08	56.62	11.51	Peak	L	Pass
3**	0.464	28.18	10.08	46.62	18.44	AV	L	Pass
4	0.642	48.97	10.25	56.00	7.03	Peak	L	Pass
4**	0.642	33.01	10.25	46.00	12.99	AV	L	Pass
5	1.528	44.04	10.26	56.00	11.96	Peak	L	Pass
5**	1.528	28.50	10.26	46.00	17.50	AV	L	Pass
6	19.100	46.03	11.14	60.00	13.97	Peak	L	Pass
6**	19.100	30.11	11.14	50.00	19.89	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	47.09	9.86	66.00	18.91	Peak	N	Pass
1**	0.150	32.09	9.86	56.00	23.91	AV	N	Pass
2	0.194	43.16	9.84	63.86	20.70	Peak	N	Pass
2**	0.194	28.36	9.84	53.86	25.50	AV	N	Pass
3	0.314	43.21	10.10	59.86	16.65	Peak	N	Pass
3**	0.314	27.82	10.10	49.86	22.04	AV	N	Pass
4	0.634	46.16	10.25	56.00	9.84	Peak	N	Pass
4**	0.634	31.06	10.25	46.00	14.94	AV	N	Pass
5	1.508	41.07	10.31	56.00	14.93	Peak	N	Pass
5**	1.508	26.82	10.31	46.00	19.18	AV	N	Pass
6	19.444	45.33	11.08	60.00	14.67	Peak	N	Pass
6**	19.444	26.14	11.08	50.00	23.86	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, 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.

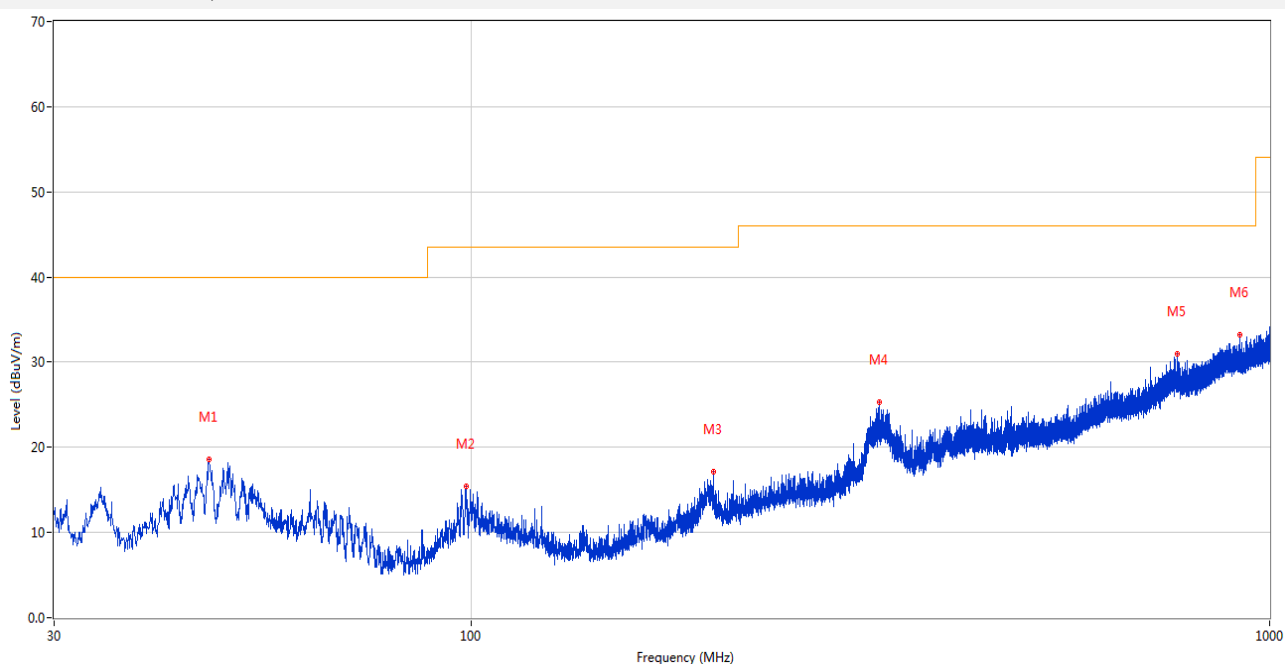
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

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.

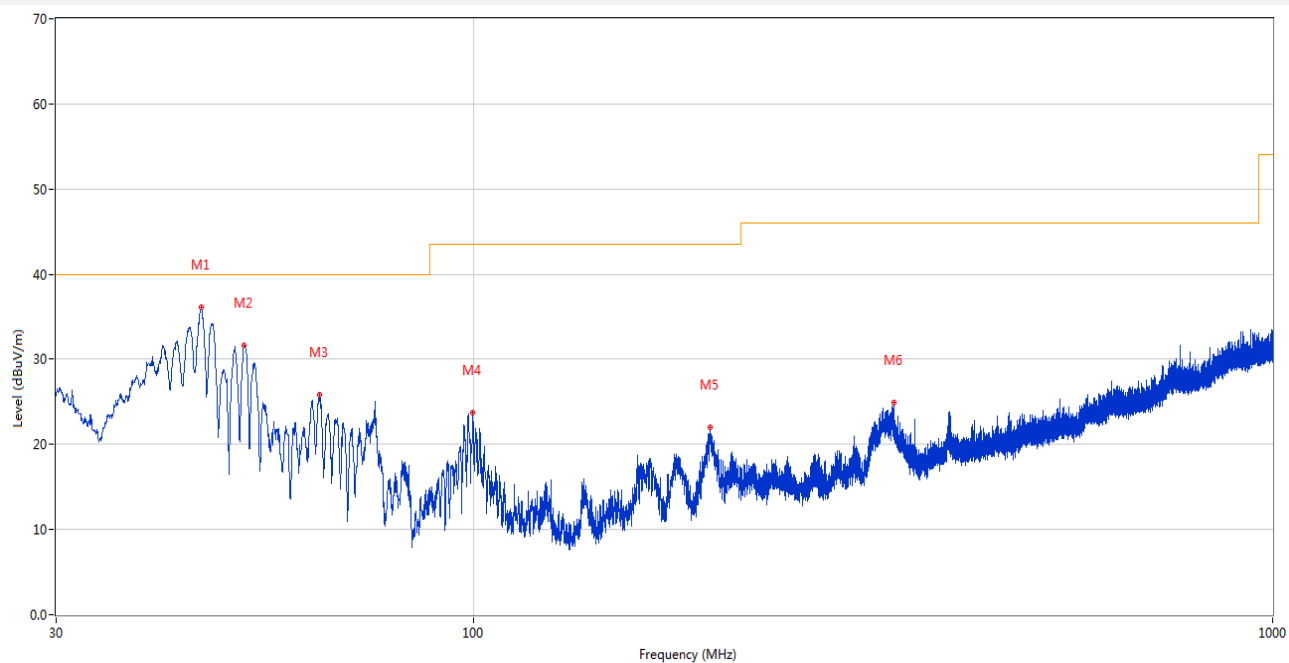
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.926	18.64	-24.15	40.0	21.36	Peak	208.20	100	Horizontal	Pass
2	98.434	15.46	-25.84	43.5	28.04	Peak	53.70	100	Horizontal	Pass
3	200.914	17.20	-24.46	43.5	26.30	Peak	322.00	100	Horizontal	Pass
4	324.298	25.26	-20.87	46.0	20.74	Peak	37.00	100	Horizontal	Pass
5	765.454	31.00	-8.91	46.0	15.00	Peak	284.10	100	Horizontal	Pass
6	917.259	33.26	-5.88	46.0	12.74	Peak	351.60	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



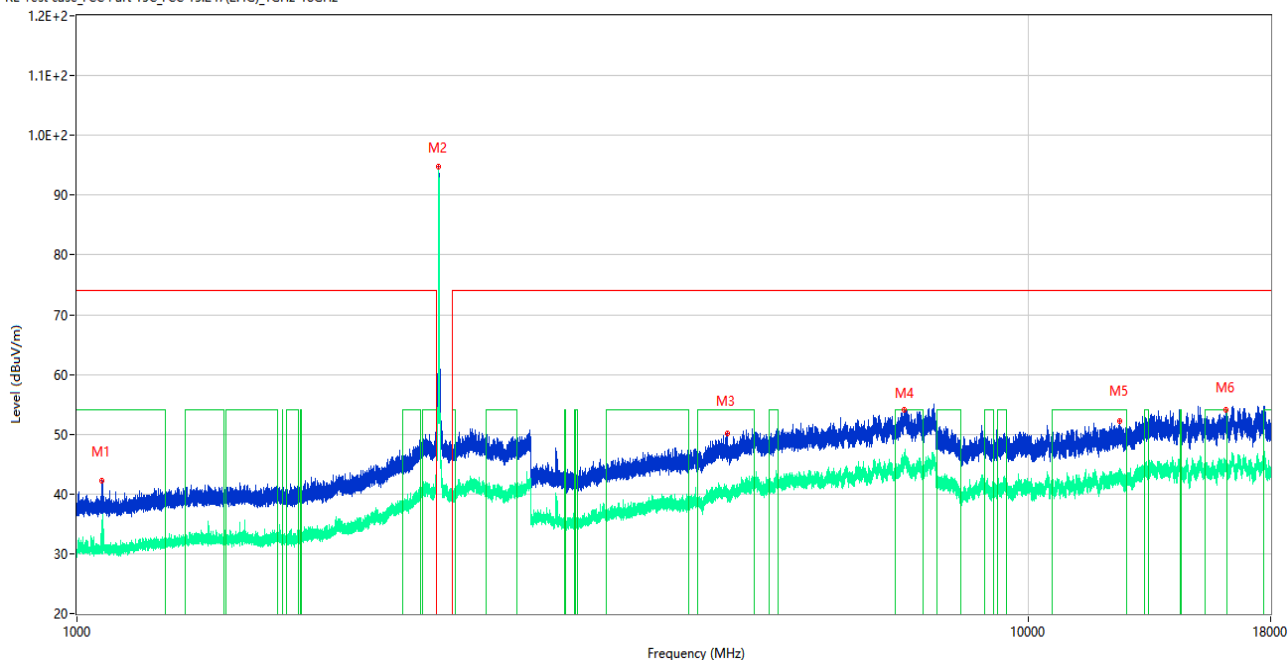
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.569	36.12	-24.37	40.0	3.88	Peak	274.80	100	Vertical	Pass
2	51.534	31.68	-24.07	40.0	8.32	Peak	323.60	100	Vertical	Pass
3	64.095	25.78	-26.23	40.0	14.22	Peak	96.40	100	Vertical	Pass
4	99.695	23.72	-25.62	43.5	19.78	Peak	166.60	100	Vertical	Pass
5	197.325	22.00	-24.12	43.5	21.50	Peak	261.80	100	Vertical	Pass
6	336.083	24.89	-20.12	46.0	21.11	Peak	212.30	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

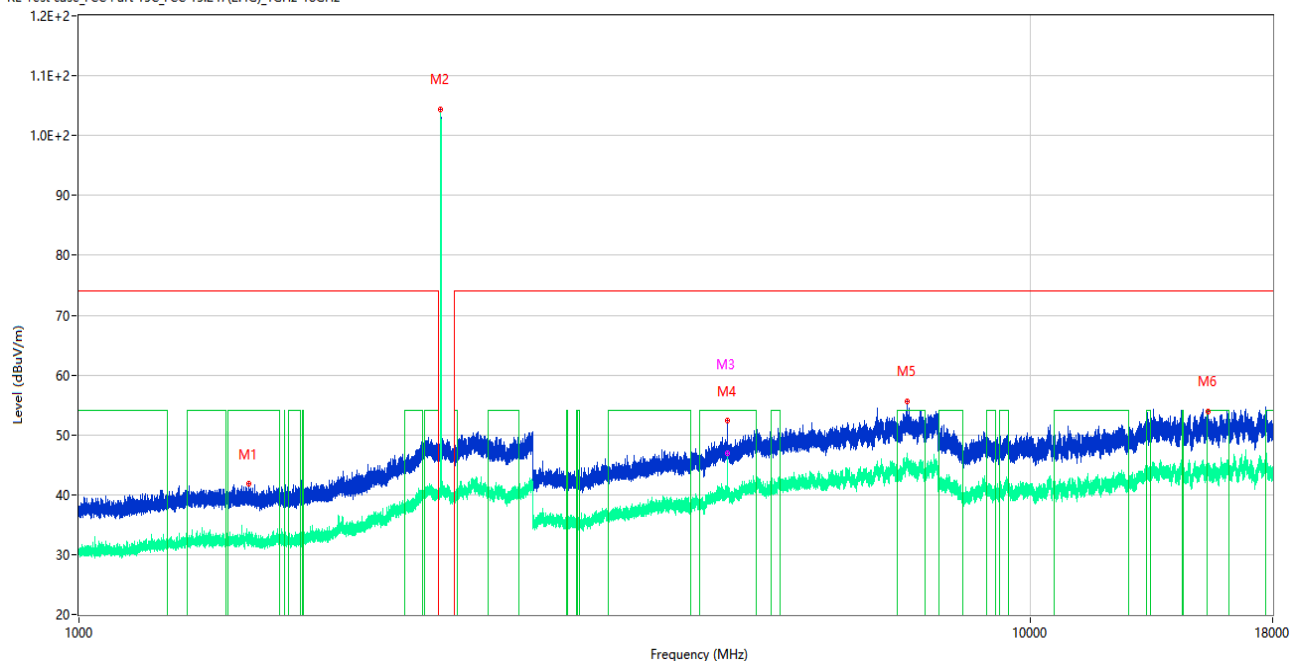
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1061.800	42.21	74.0	31.79	Peak	120.00	300	Horizontal	Pass
1**	1061.800	34.58	54.0	19.42	AV	120.00	300	Horizontal	Pass
2	2402.200	94.74	--	--	Peak	128.00	100	Horizontal	N/A
2**	2402.200	94.03	--	--	AV	128.00	100	Horizontal	N/A
3	4826.750	50.09	74.0	23.91	Peak	288.00	150	Horizontal	Pass
3**	4826.750	39.68	54.0	14.32	AV	288.00	150	Horizontal	Pass
4	7416.500	54.18	74.0	19.82	Peak	25.00	200	Horizontal	Pass
4**	7416.500	45.41	54.0	8.59	AV	25.00	200	Horizontal	Pass
5	12481.150	52.21	74.0	21.79	Peak	213.00	100	Horizontal	Pass
5**	12481.150	42.68	54.0	11.32	AV	213.00	100	Horizontal	Pass
6	16139.400	54.10	74.0	19.90	Peak	249.00	400	Horizontal	Pass
6**	16139.400	44.76	54.0	9.24	AV	249.00	400	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

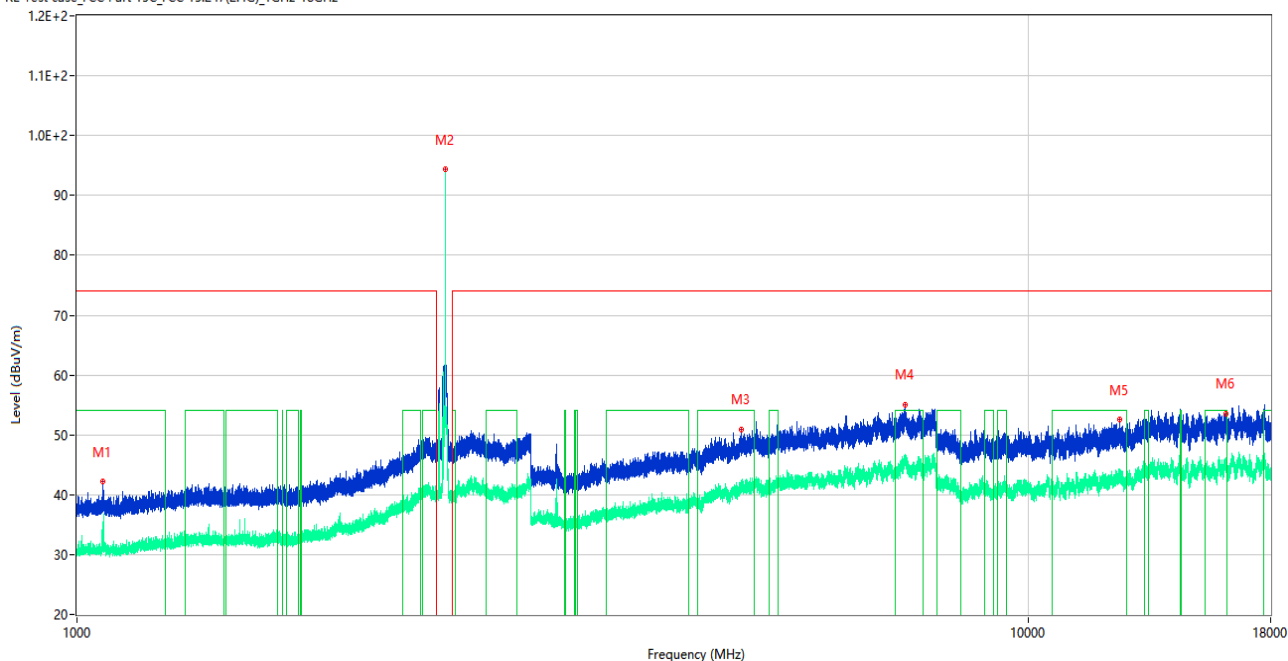
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.400	41.81	74.0	32.19	Peak	239.00	150	Vertical	Pass
1**	1510.400	31.96	54.0	22.04	AV	239.00	150	Vertical	Pass
2	2402.100	104.39	--	--	Peak	239.00	150	Vertical	N/A
2**	2402.100	104.01	--	--	AV	239.00	150	Vertical	N/A
3	4804.250	50.79	74.0	23.21	Peak	0.00	150	Vertical	Pass
3**	4804.250	46.96	54.0	7.04	AV	0.00	150	Vertical	Pass
4	4804.500	52.32	74.0	21.68	Peak	310.00	200	Vertical	Pass
4**	4804.500	46.56	54.0	7.44	AV	310.00	200	Vertical	Pass
5	7430.250	55.64	74.0	18.36	Peak	207.00	100	Vertical	Pass
5**	7430.250	46.37	54.0	7.63	AV	207.00	100	Vertical	Pass
6	15407.813	53.98	74.0	20.02	Peak	45.00	400	Vertical	Pass
6**	15407.813	44.63	54.0	9.37	AV	45.00	400	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

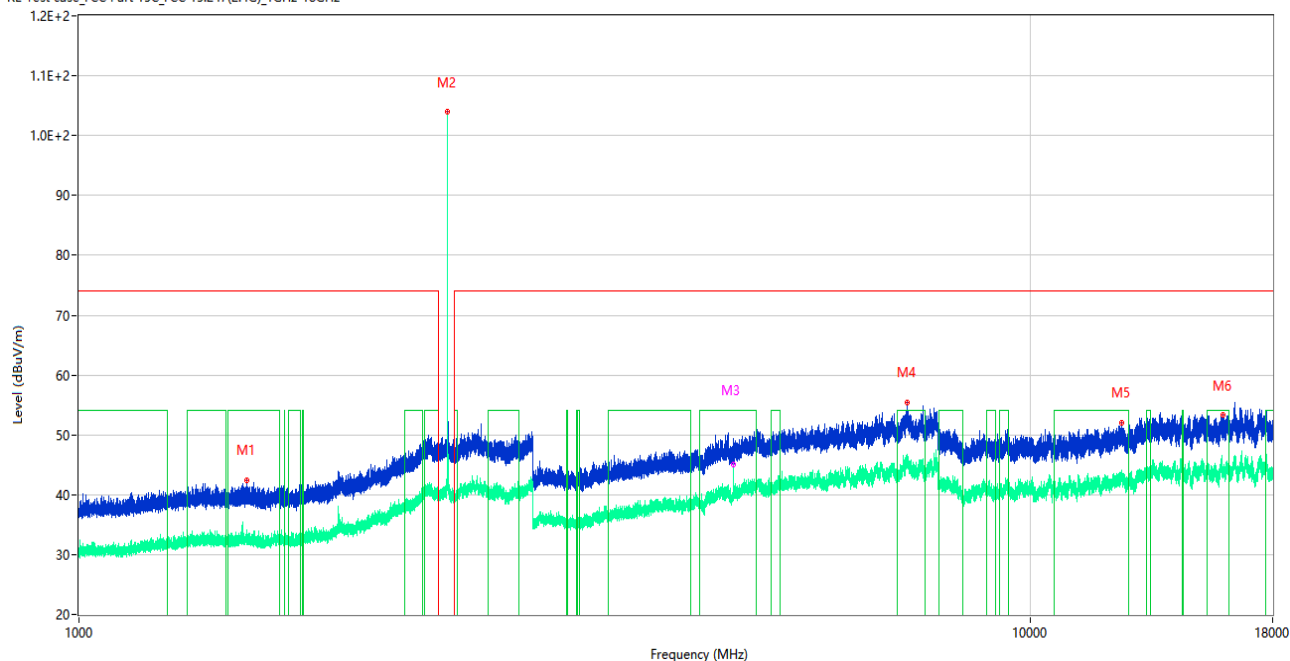
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.500	42.17	74.0	31.83	Peak	97.00	400	Horizontal	Pass
1**	1063.500	31.19	54.0	22.81	AV	97.00	400	Horizontal	Pass
2	2441.200	94.35	--	--	Peak	120.00	100	Horizontal	N/A
2**	2441.200	93.90	--	--	AV	120.00	100	Horizontal	N/A
3	4996.250	50.92	74.0	23.08	Peak	120.00	200	Horizontal	Pass
3**	4996.250	42.35	54.0	11.65	AV	120.00	200	Horizontal	Pass
4	7423.250	55.09	74.0	18.91	Peak	28.00	300	Horizontal	Pass
4**	7423.250	45.59	54.0	8.41	AV	28.00	300	Horizontal	Pass
5	12503.474	52.55	74.0	21.45	Peak	149.00	150	Horizontal	Pass
5**	12503.474	43.23	54.0	10.77	AV	149.00	150	Horizontal	Pass
6	16141.763	53.53	74.0	20.47	Peak	7.00	300	Horizontal	Pass
6**	16141.763	45.41	54.0	8.59	AV	7.00	300	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

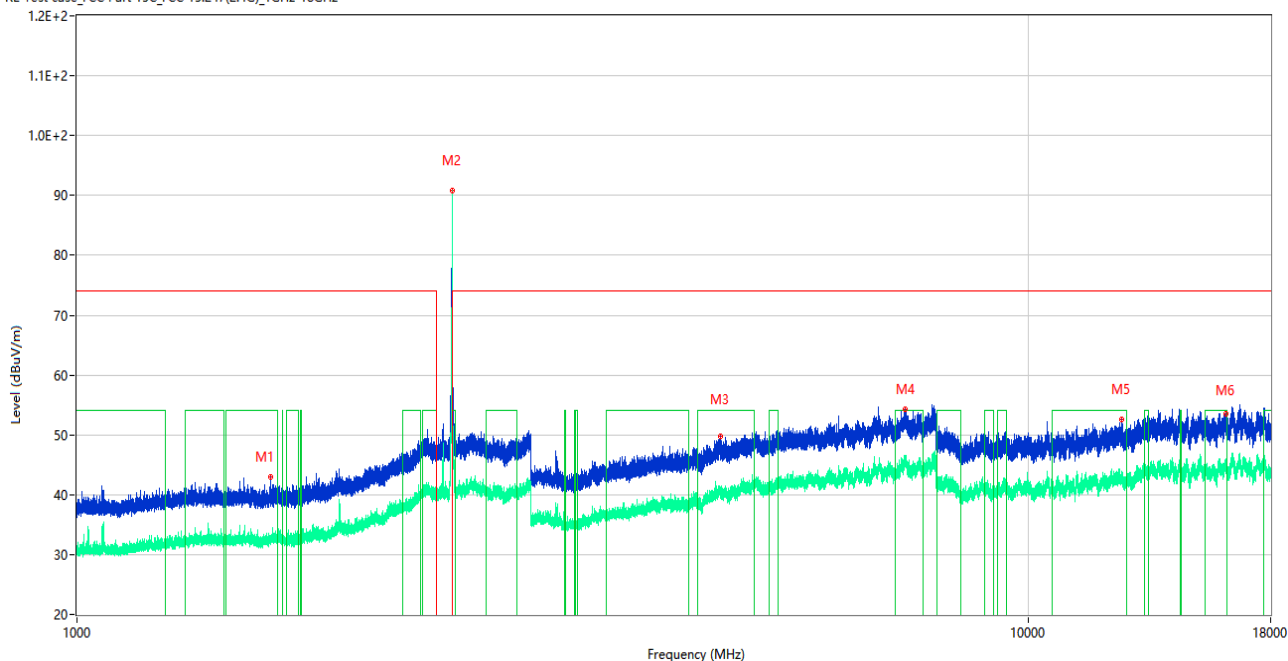
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.900	42.50	74.0	31.50	Peak	35.00	400	Vertical	Pass
1**	1499.900	34.00	54.0	20.00	AV	35.00	400	Vertical	Pass
2	2440.900	103.98	--	--	Peak	280.00	200	Vertical	N/A
2**	2440.900	103.35	--	--	AV	280.00	200	Vertical	N/A
3	4882.250	49.39	74.0	24.61	Peak	0.00	150	Vertical	Pass
3**	4882.250	45.11	54.0	8.89	AV	0.00	150	Vertical	Pass
4	7428.000	55.49	74.0	18.51	Peak	245.00	300	Vertical	Pass
4**	7428.000	45.83	54.0	8.17	AV	245.00	300	Vertical	Pass
5	12491.600	52.06	74.0	21.94	Peak	329.00	150	Vertical	Pass
5**	12491.600	42.62	54.0	11.38	AV	329.00	150	Vertical	Pass
6	15955.387	53.24	74.0	20.76	Peak	360.00	100	Vertical	Pass
6**	15955.387	43.43	54.0	10.57	AV	360.00	100	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

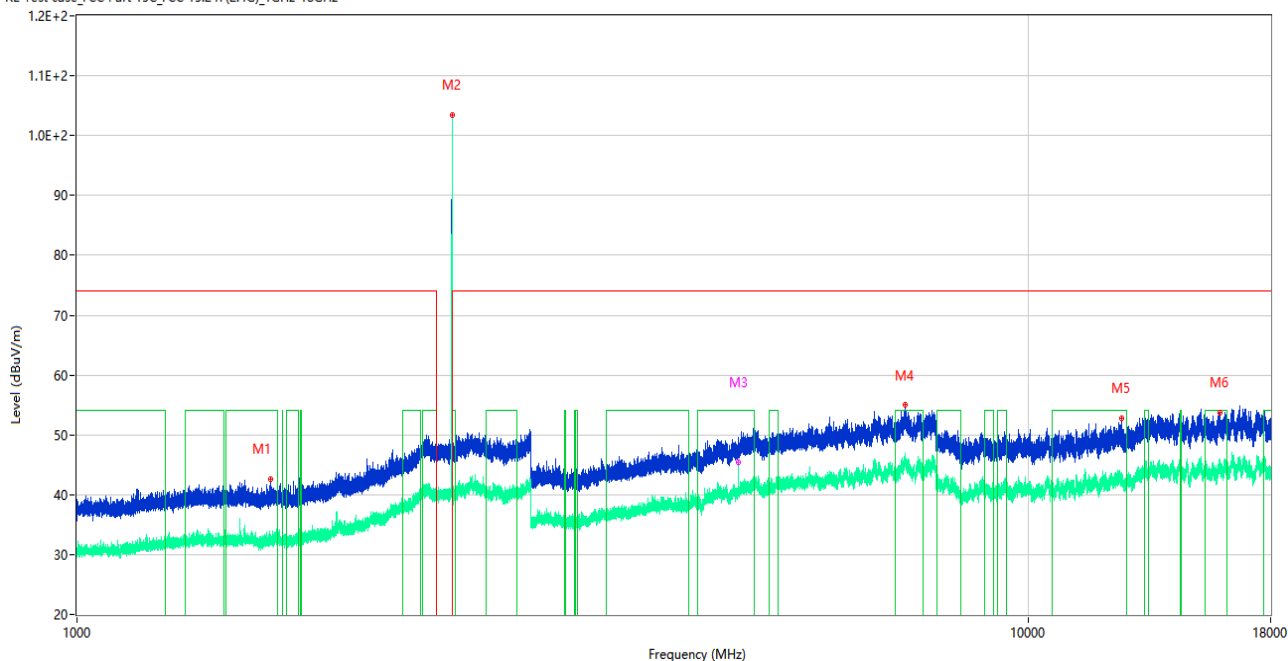
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.400	42.89	74.0	31.11	Peak	224.00	300	Horizontal	Pass
1**	1597.400	31.85	54.0	22.15	AV	224.00	300	Horizontal	Pass
2	2479.900	90.89	--	--	Peak	132.00	150	Horizontal	N/A
2**	2479.900	90.72	--	--	AV	132.00	150	Horizontal	N/A
3	4749.250	49.82	74.0	24.18	Peak	303.00	100	Horizontal	Pass
3**	4749.250	40.15	54.0	13.85	AV	303.00	100	Horizontal	Pass
4	7422.750	54.21	74.0	19.79	Peak	319.00	100	Horizontal	Pass
4**	7422.750	46.00	54.0	8.00	AV	319.00	100	Horizontal	Pass
5	12560.474	52.60	74.0	21.40	Peak	0.00	200	Horizontal	Pass
5**	12560.474	42.73	54.0	11.27	AV	0.00	200	Horizontal	Pass
6	16146.487	53.55	74.0	20.45	Peak	232.00	200	Horizontal	Pass
6**	16146.487	44.65	54.0	9.35	AV	232.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

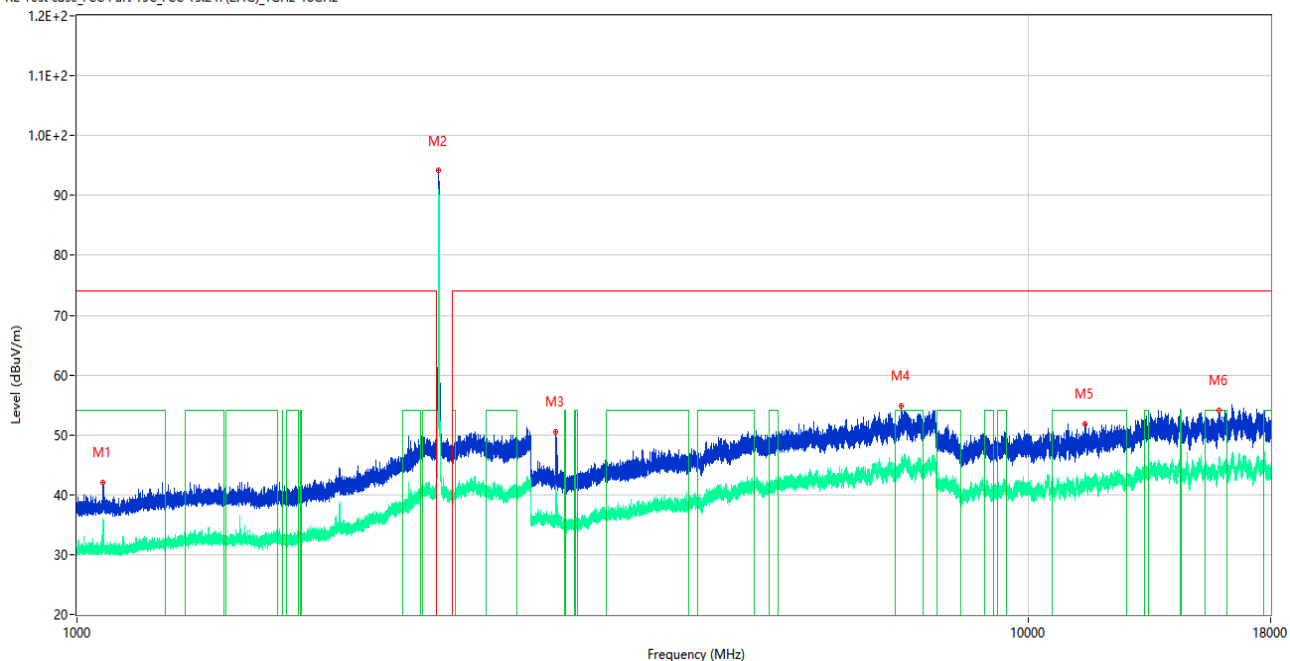
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.300	42.68	74.0	31.32	Peak	313.00	400	Vertical	Pass
1**	1599.300	32.17	54.0	21.83	AV	313.00	400	Vertical	Pass
2	2480.000	103.50	--	--	Peak	207.00	100	Vertical	N/A
2**	2480.000	103.11	--	--	AV	207.00	100	Vertical	N/A
3	4960.500	48.83	74.0	25.17	Peak	347.00	150	Vertical	Pass
3**	4960.500	45.36	54.0	8.64	AV	347.00	150	Vertical	Pass
4	7426.000	54.99	74.0	19.01	Peak	103.00	200	Vertical	Pass
4**	7426.000	46.11	54.0	7.89	AV	103.00	200	Vertical	Pass
5	12557.150	52.80	74.0	21.20	Peak	360.00	100	Vertical	Pass
5**	12557.150	42.15	54.0	11.85	AV	360.00	100	Vertical	Pass
6	15916.800	53.74	74.0	20.26	Peak	352.00	300	Vertical	Pass
6**	15916.800	44.29	54.0	9.71	AV	352.00	300	Vertical	Pass

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

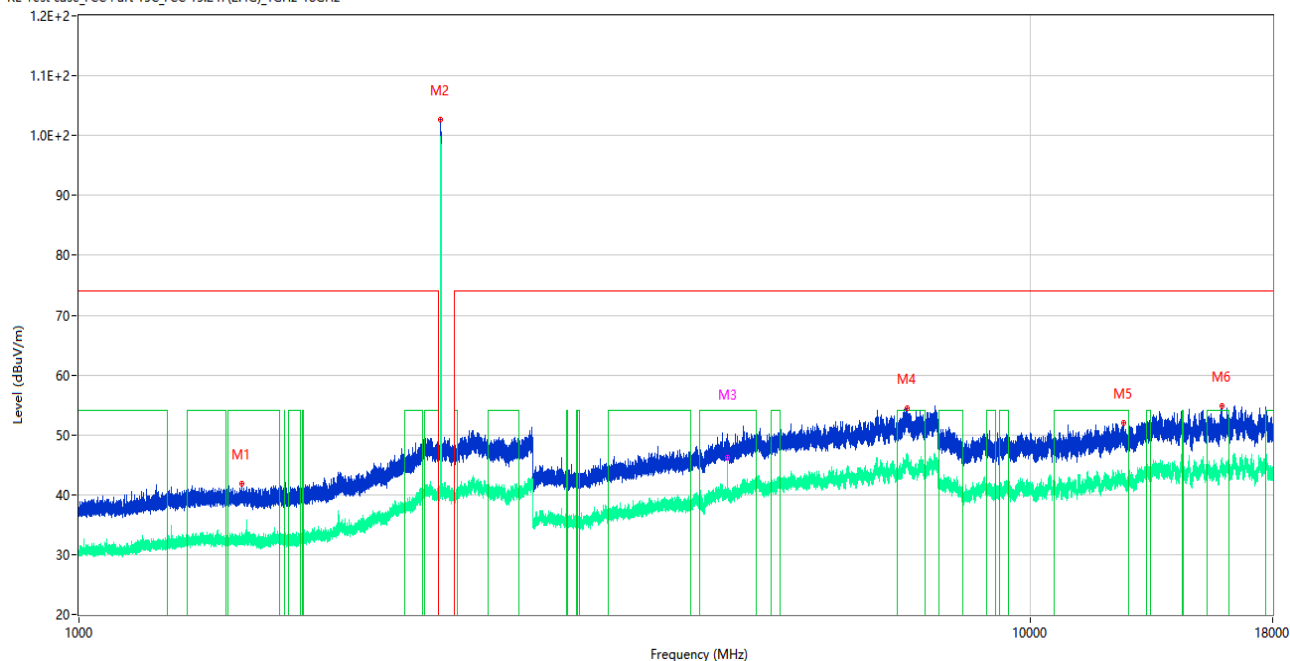
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.700	42.05	74.0	31.95	Peak	109.00	150	Horizontal	Pass
1**	1063.700	31.71	54.0	22.29	AV	109.00	150	Horizontal	Pass
2	2402.000	94.14	--	--	Peak	116.00	100	Horizontal	N/A
2**	2402.000	90.97	--	--	AV	116.00	100	Horizontal	N/A
3	3185.500	50.54	74.0	23.46	Peak	270.00	100	Horizontal	Pass
3**	3185.500	35.94	--	--	AV	270.00	100	Horizontal	N/A
4	7351.250	54.85	74.0	19.15	Peak	93.00	100	Horizontal	Pass
4**	7351.250	44.66	54.0	9.34	AV	93.00	100	Horizontal	Pass
5	11482.937	51.90	74.0	22.10	Peak	155.00	200	Horizontal	Pass
5**	11482.937	41.42	54.0	12.58	AV	155.00	200	Horizontal	Pass
6	15888.713	54.14	74.0	19.86	Peak	328.00	300	Horizontal	Pass
6**	15888.713	44.69	54.0	9.31	AV	328.00	300	Horizontal	Pass

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

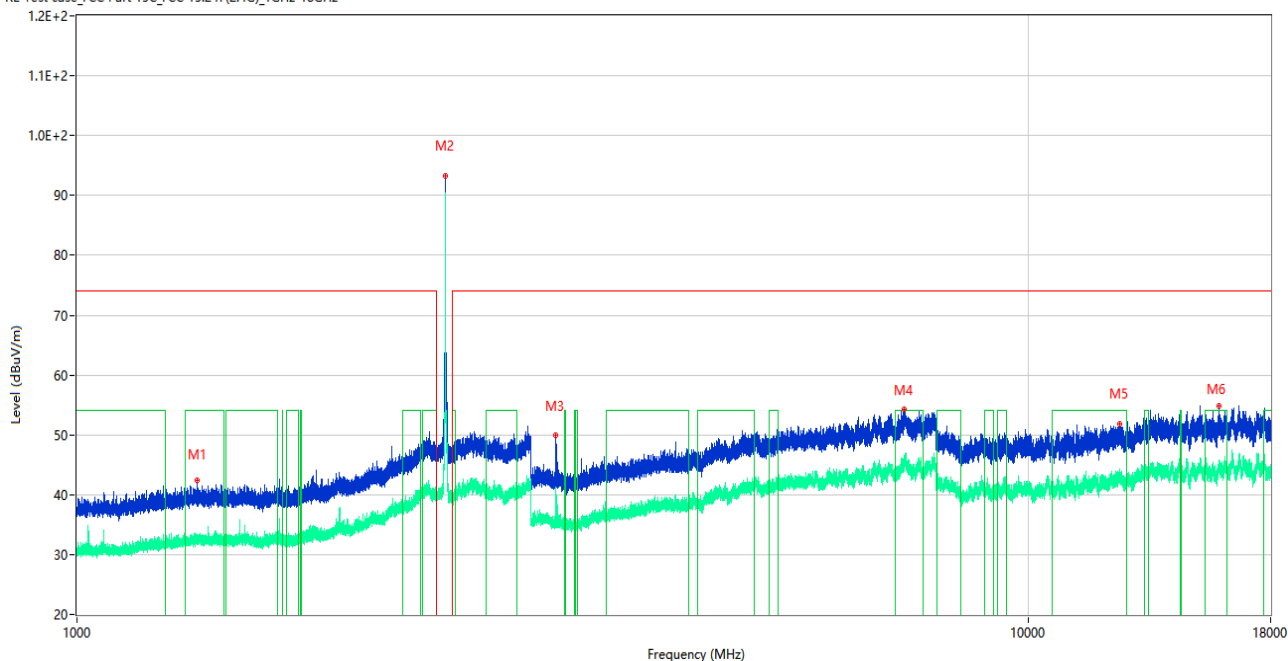
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.900	41.76	74.0	32.24	Peak	360.00	300	Vertical	Pass
1**	1483.900	33.57	54.0	20.43	AV	360.00	300	Vertical	Pass
2	2401.900	102.66	--	--	Peak	270.00	200	Vertical	N/A
2**	2401.900	99.29	--	--	AV	270.00	200	Vertical	N/A
3	4803.750	50.01	74.0	23.99	Peak	360.00	150	Vertical	Pass
3**	4803.750	46.25	54.0	7.75	AV	360.00	150	Vertical	Pass
4	7422.000	54.43	74.0	19.57	Peak	195.00	300	Vertical	Pass
4**	7422.000	46.29	54.0	7.71	AV	195.00	300	Vertical	Pass
5	12541.712	51.97	74.0	22.03	Peak	170.00	100	Vertical	Pass
5**	12541.712	42.39	54.0	11.61	AV	170.00	100	Vertical	Pass
6	15919.950	54.76	74.0	19.24	Peak	28.00	200	Vertical	Pass
6**	15919.950	44.04	54.0	9.96	AV	28.00	200	Vertical	Pass

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

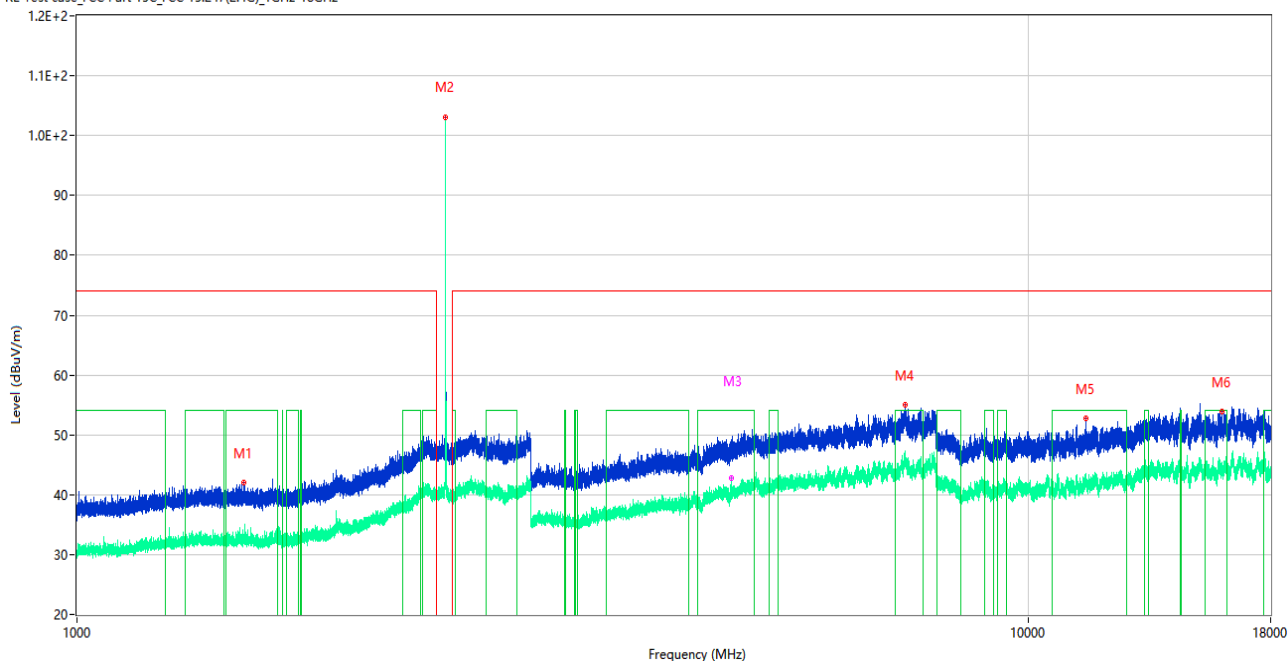
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.300	42.45	74.0	31.55	Peak	137.00	100	Horizontal	Pass
1**	1336.300	33.17	54.0	20.83	AV	137.00	100	Horizontal	Pass
2	2440.800	93.30	--	--	Peak	121.00	150	Horizontal	N/A
2**	2440.800	89.32	--	--	AV	121.00	150	Horizontal	N/A
3	3188.000	49.91	74.0	24.09	Peak	229.00	150	Horizontal	Pass
3**	3188.000	41.21	--	--	AV	229.00	150	Horizontal	N/A
4	7419.500	54.23	74.0	19.77	Peak	91.00	300	Horizontal	Pass
4**	7419.500	45.64	54.0	8.36	AV	91.00	300	Horizontal	Pass
5	12498.962	51.86	74.0	22.14	Peak	174.00	150	Horizontal	Pass
5**	12498.962	42.59	54.0	11.41	AV	174.00	150	Horizontal	Pass
6	15896.849	54.91	74.0	19.09	Peak	302.00	300	Horizontal	Pass
6**	15896.849	44.62	54.0	9.38	AV	302.00	300	Horizontal	Pass

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

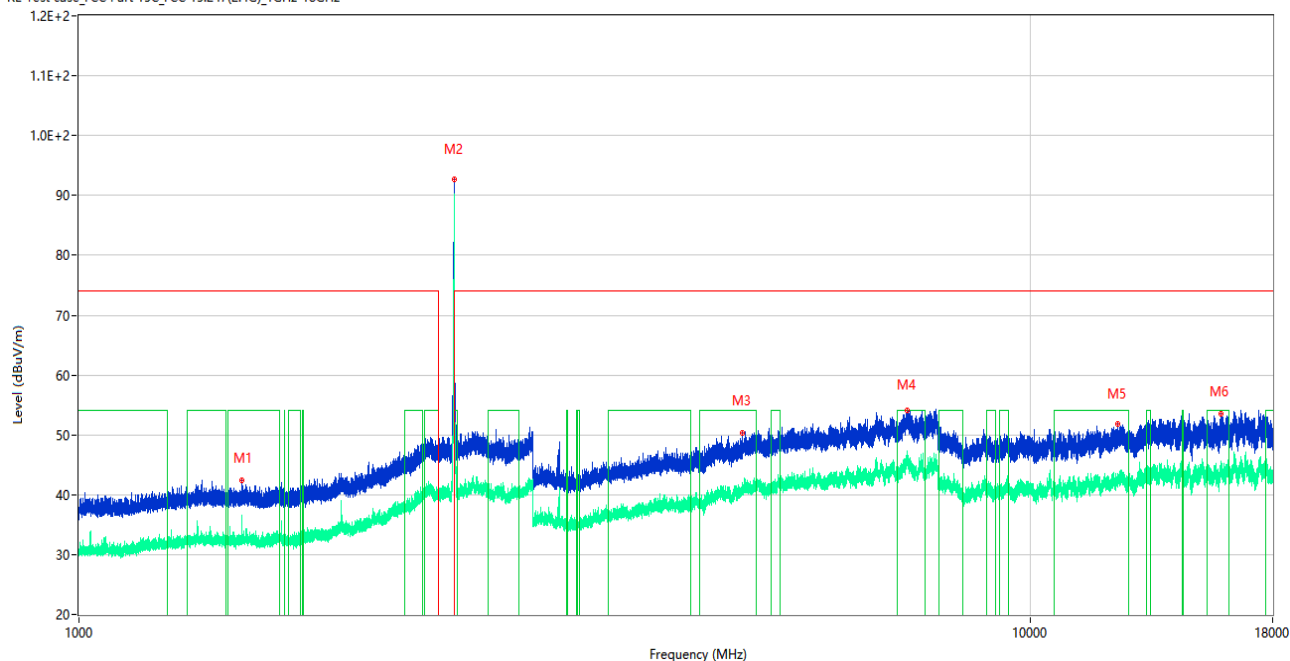
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.900	42.00	74.0	32.00	Peak	93.00	400	Vertical	Pass
1**	1496.900	32.82	54.0	21.18	AV	93.00	400	Vertical	Pass
2	2440.900	103.06	--	--	Peak	221.00	150	Vertical	N/A
2**	2440.900	102.43	--	--	AV	221.00	150	Vertical	N/A
3	4882.000	47.95	74.0	26.05	Peak	332.00	150	Vertical	Pass
3**	4882.000	42.81	54.0	11.19	AV	332.00	150	Vertical	Pass
4	7422.250	54.94	74.0	19.06	Peak	109.00	100	Vertical	Pass
4**	7422.250	45.65	54.0	8.35	AV	109.00	100	Vertical	Pass
5	11495.050	52.73	74.0	21.27	Peak	355.00	200	Vertical	Pass
5**	11495.050	42.33	54.0	11.67	AV	355.00	200	Vertical	Pass
6	15996.075	53.86	74.0	20.14	Peak	65.00	300	Vertical	Pass
6**	15996.075	43.92	54.0	10.08	AV	65.00	300	Vertical	Pass

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

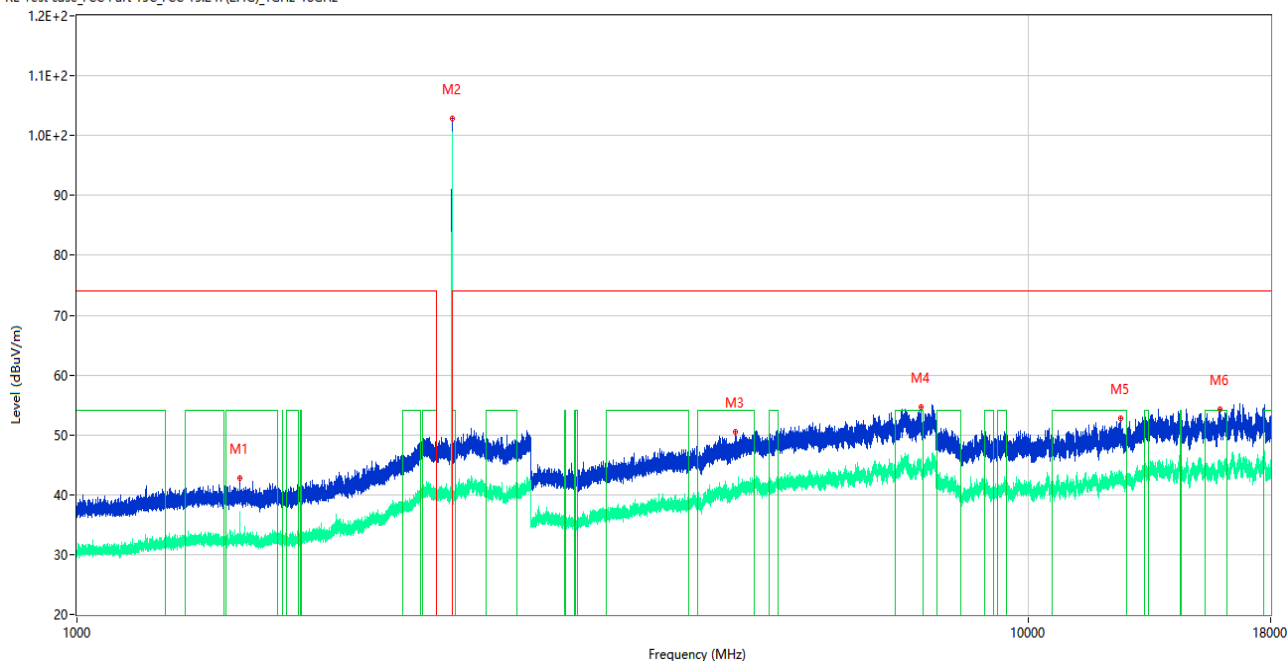
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.200	42.37	74.0	31.63	Peak	360.00	300	Horizontal	Pass
1**	1483.200	34.80	54.0	19.20	AV	360.00	300	Horizontal	Pass
2	2480.100	92.73	--	--	Peak	118.00	100	Horizontal	N/A
2**	2480.100	90.22	--	--	AV	118.00	100	Horizontal	N/A
3	4987.750	50.24	74.0	23.76	Peak	360.00	100	Horizontal	Pass
3**	4987.750	40.96	54.0	13.04	AV	360.00	100	Horizontal	Pass
4	7425.250	54.10	74.0	19.90	Peak	181.00	300	Horizontal	Pass
4**	7425.250	46.06	54.0	7.94	AV	181.00	300	Horizontal	Pass
5	12357.412	51.84	74.0	22.16	Peak	213.00	200	Horizontal	Pass
5**	12357.412	42.46	54.0	11.54	AV	213.00	200	Horizontal	Pass
6	15891.863	53.50	74.0	20.50	Peak	81.00	200	Horizontal	Pass
6**	15891.863	44.89	54.0	9.11	AV	81.00	200	Horizontal	Pass

8DPSK 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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.300	42.75	74.0	31.25	Peak	28.00	400	Vertical	Pass
1**	1483.300	35.91	54.0	18.09	AV	28.00	400	Vertical	Pass
2	2480.100	102.78	--	--	Peak	203.00	200	Vertical	N/A
2**	2480.100	100.27	--	--	AV	203.00	200	Vertical	N/A
3	4921.250	50.43	74.0	23.57	Peak	360.00	200	Vertical	Pass
3**	4921.250	40.48	54.0	13.52	AV	360.00	200	Vertical	Pass
4	7711.750	54.62	74.0	19.38	Peak	84.00	200	Vertical	Pass
4**	7711.750	44.99	54.0	9.01	AV	84.00	200	Vertical	Pass
5	12516.300	52.75	74.0	21.25	Peak	343.00	200	Vertical	Pass
5**	12516.300	42.06	54.0	11.94	AV	343.00	200	Vertical	Pass
6	15922.838	54.26	74.0	19.74	Peak	99.00	200	Vertical	Pass
6**	15922.838	44.26	54.0	9.74	AV	99.00	200	Vertical	Pass

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

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note²: 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.

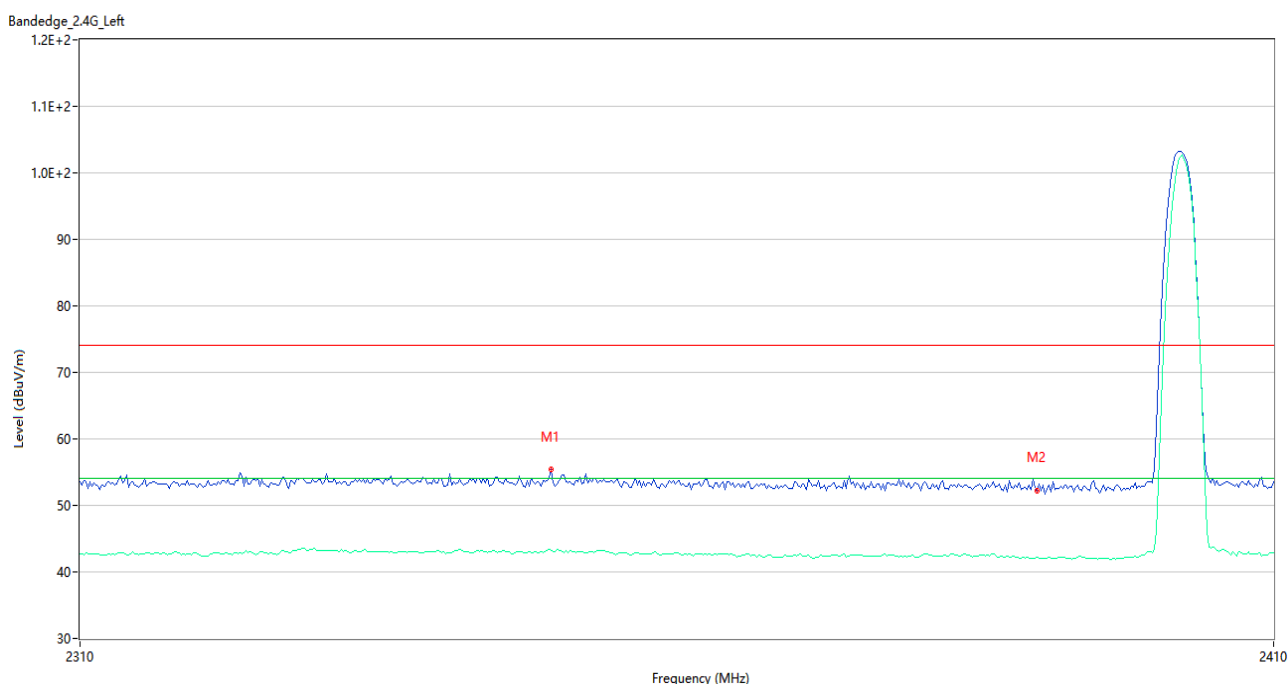
Note³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note⁴: The Level (dBuV/m) has been corrected by factor.

Note⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

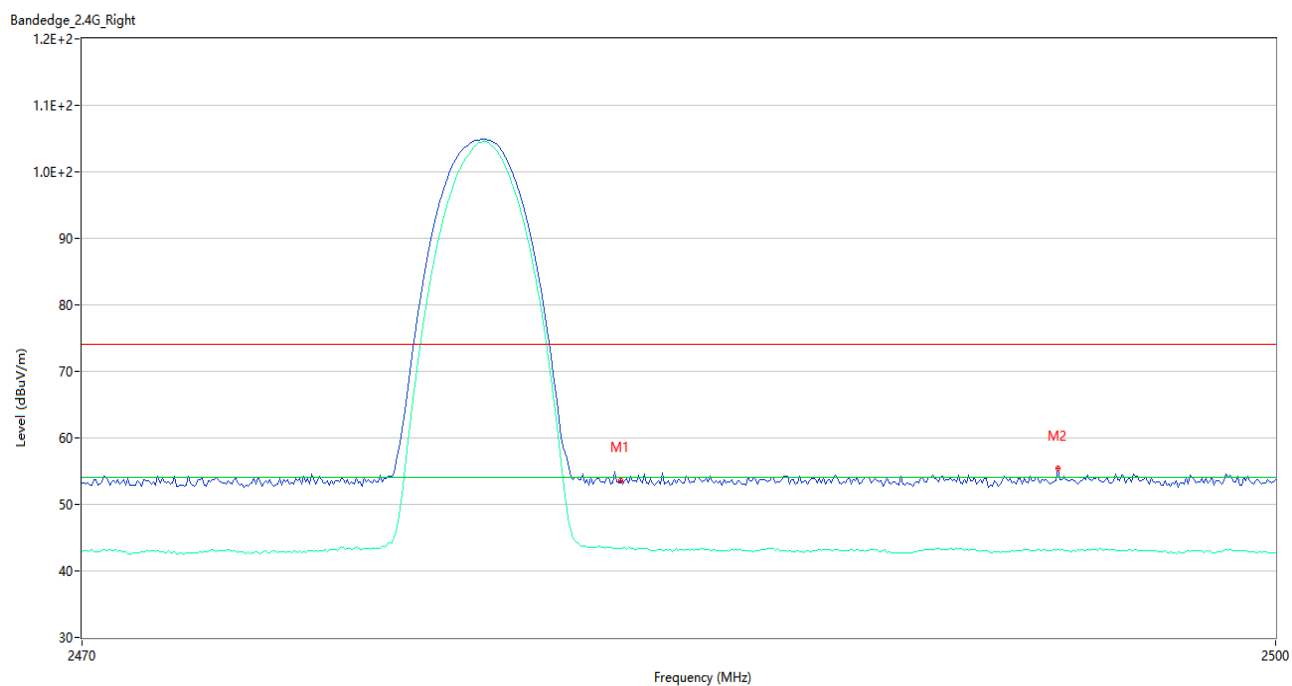
Test Data and Plots

GFSK LOW CHANNEL



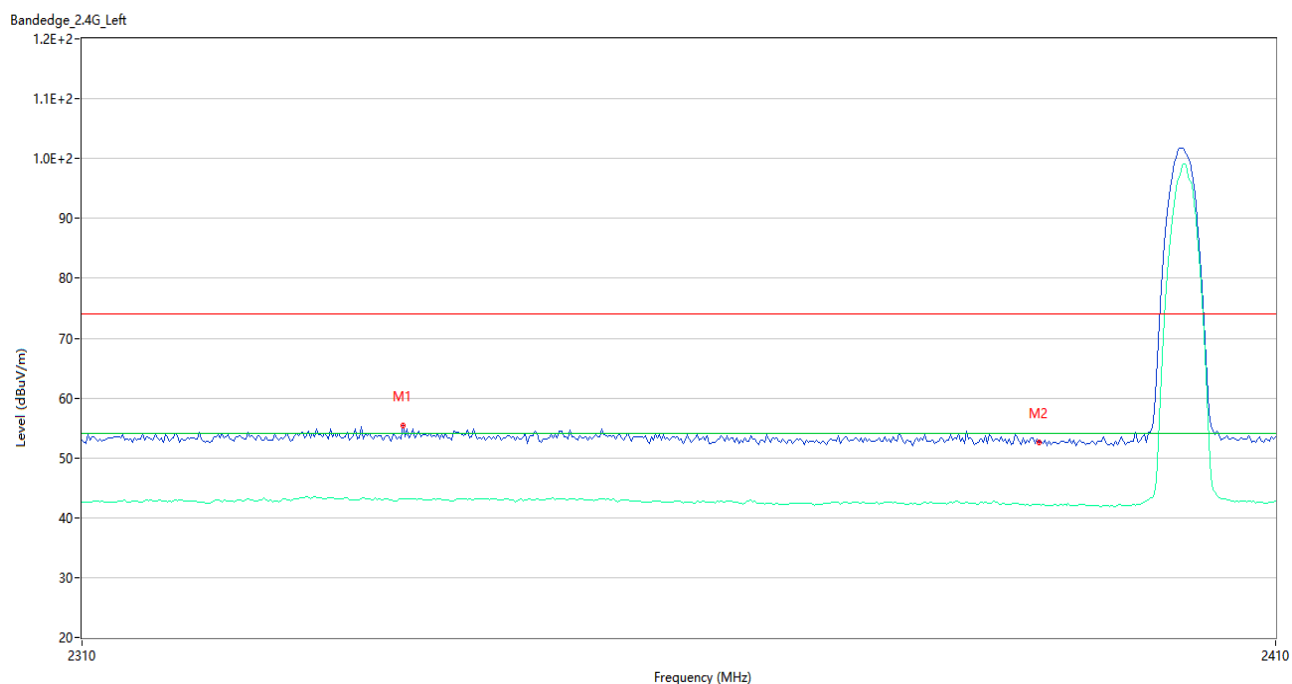
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2349.000	55.39	74.0	18.61	Peak	111.00	200	Vertical	Pass
1**	2349.000	43.15	54.0	10.85	AV	111.00	200	Vertical	Pass
2	2389.833	52.24	74.0	21.76	Peak	282.00	200	Vertical	Pass
2**	2389.833	42.16	54.0	11.84	AV	282.00	200	Vertical	Pass

GFSK HIGH CHANNEL



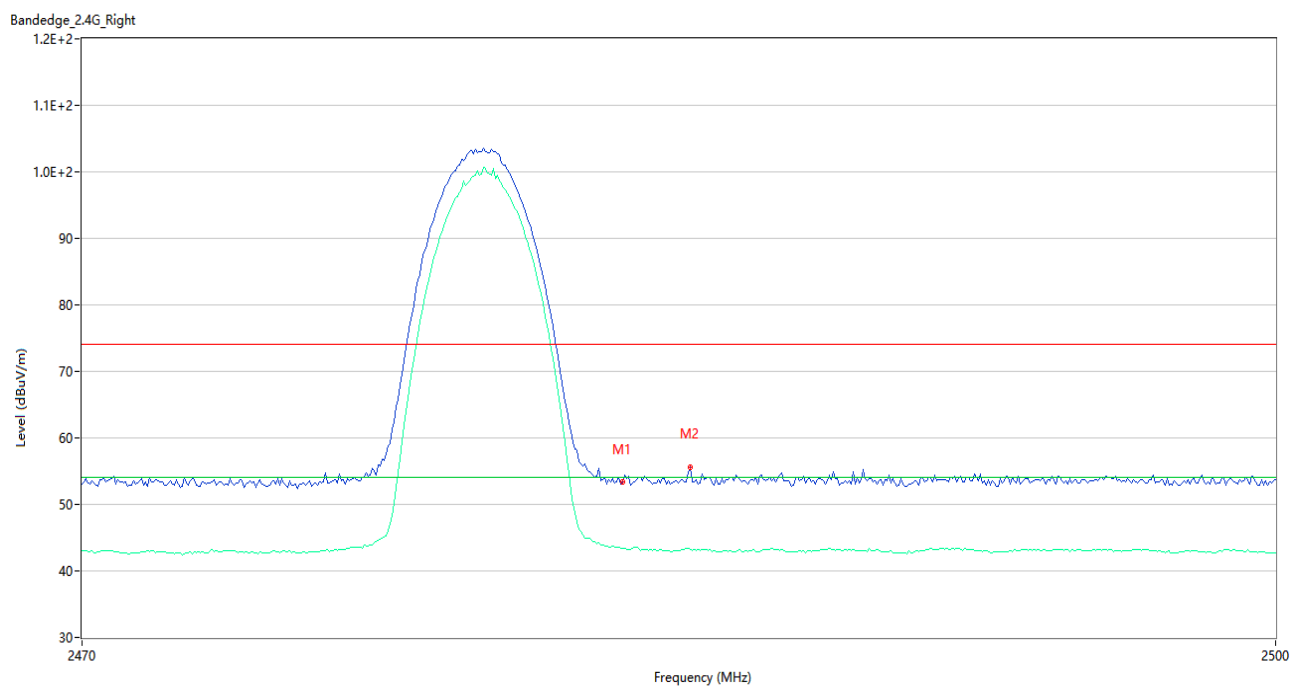
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.57	74.0	20.43	Peak	115.00	150	Vertical	Pass
1**	2483.500	43.47	54.0	10.53	AV	115.00	150	Vertical	Pass
2	2494.500	55.36	74.0	18.64	Peak	271.00	150	Vertical	Pass
2**	2494.500	43.16	54.0	10.84	AV	271.00	150	Vertical	Pass

8DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2336.500	55.38	74.0	18.62	Peak	176.00	150	Vertical	Pass
1**	2336.500	43.16	54.0	10.84	AV	176.00	150	Vertical	Pass
2	2389.833	52.51	74.0	21.49	Peak	82.00	100	Vertical	Pass
2**	2389.833	42.17	54.0	11.83	AV	82.00	100	Vertical	Pass

8DPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	53.34	74.0	20.66	Peak	233.00	200	Vertical	Pass
1**	2483.550	43.45	54.0	10.55	AV	233.00	200	Vertical	Pass
2	2485.250	55.60	74.0	18.40	Peak	207.00	200	Vertical	Pass
2**	2485.250	43.18	54.0	10.82	AV	207.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26010261-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26010261-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26010261-AI.PDF”.

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--END OF REPORT--