

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

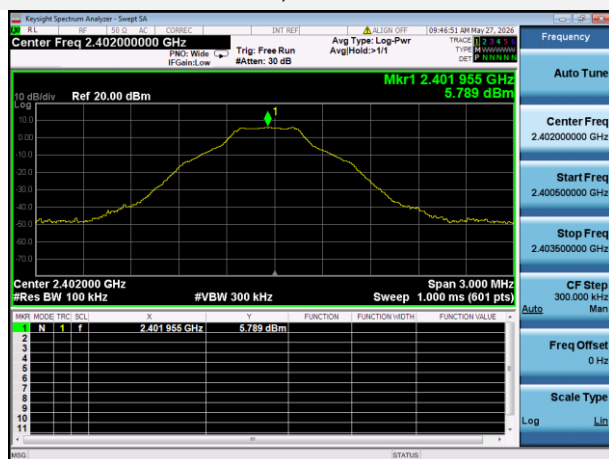
Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.44	5.79	-14.21	Pass
Middle	-36.07	10.47	-9.53	Pass
High	-35.72	10.85	-9.15	Pass
8DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.47	5.96	-14.04	Pass
Middle	-36.34	10.62	-9.38	Pass
High	-36.71	10.37	-9.63	Pass

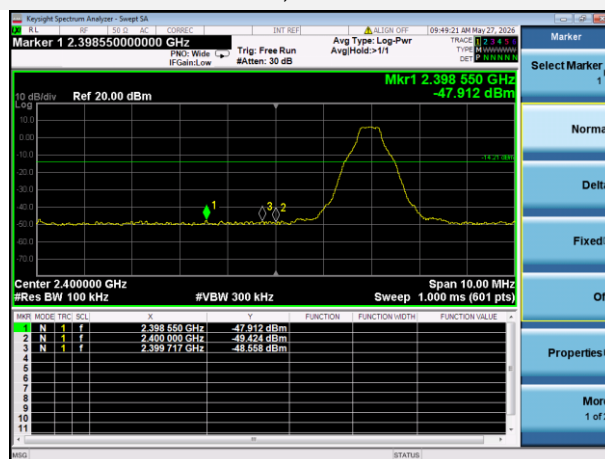
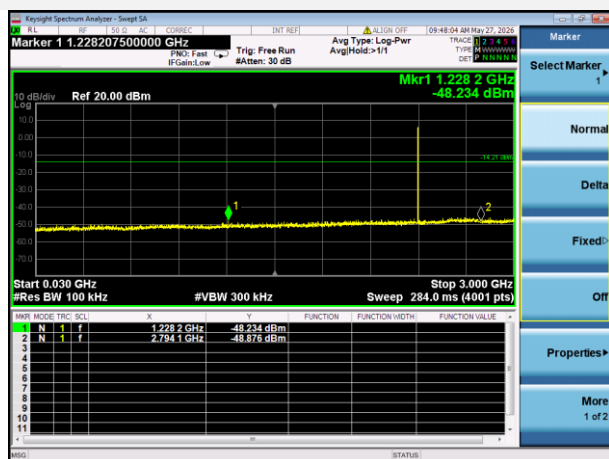
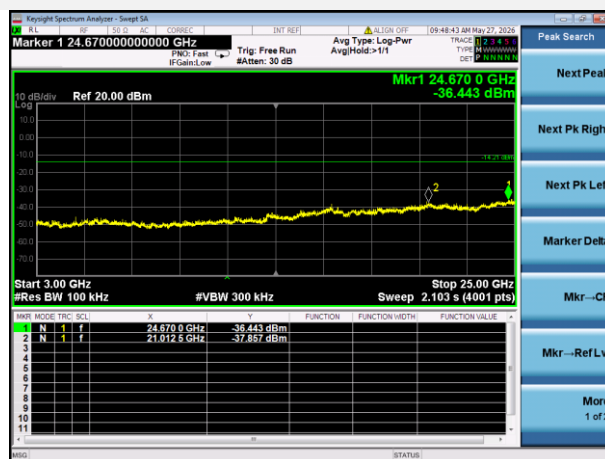
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-37.22	11.72	-8.28	Pass
8DPSK	-35.82	11.86	-8.14	Pass

Test Plots

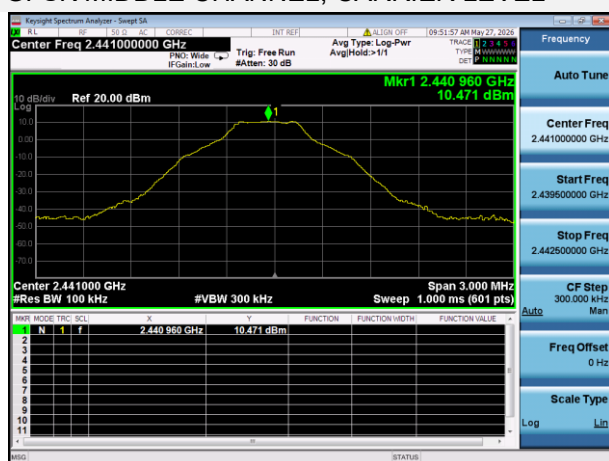
GFSK LOW CHANNEL, CARRIER LEVEL



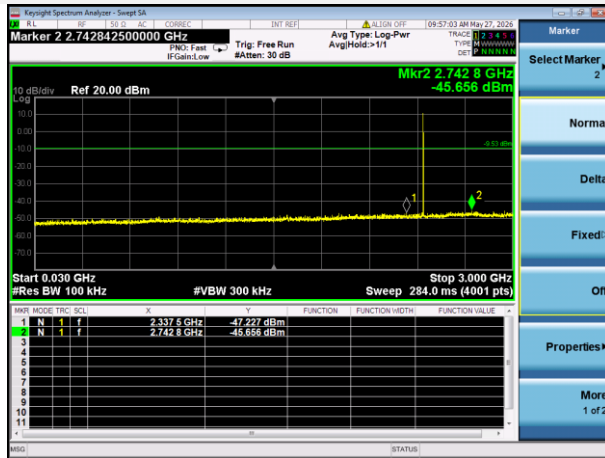
GFSK LOW CHANNEL, BAND EDGE

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

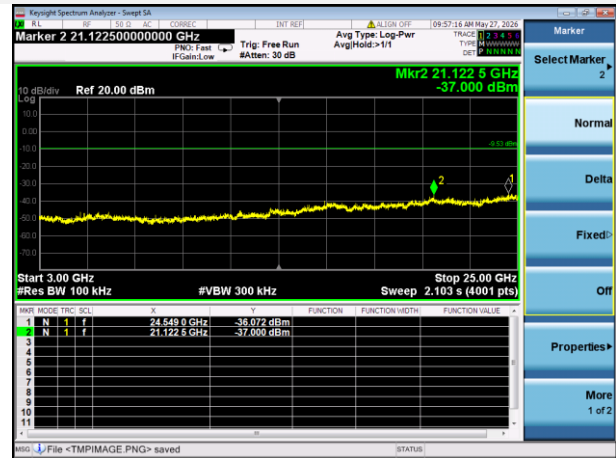
GFSK MIDDLE CHANNEL, CARRIER LEVEL



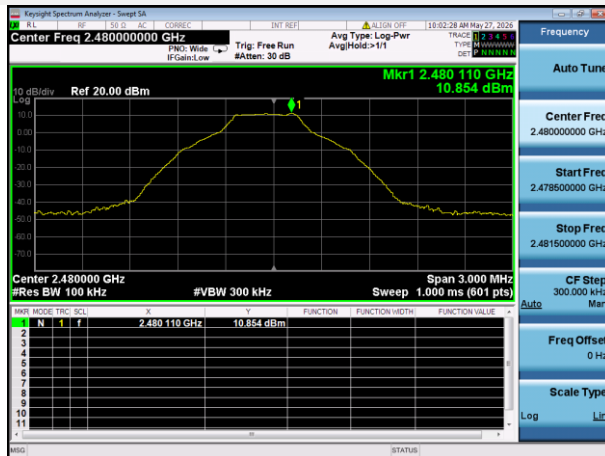
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



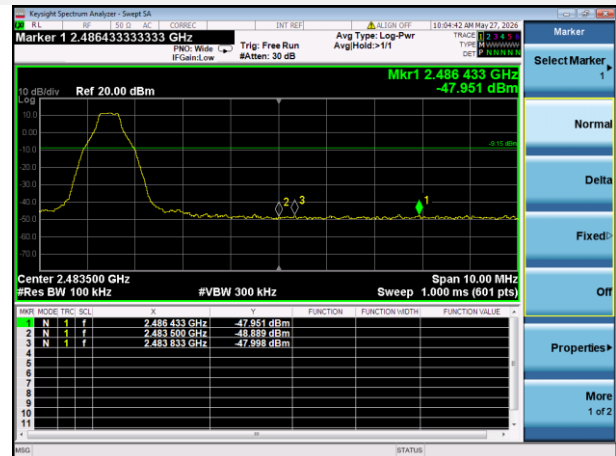
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



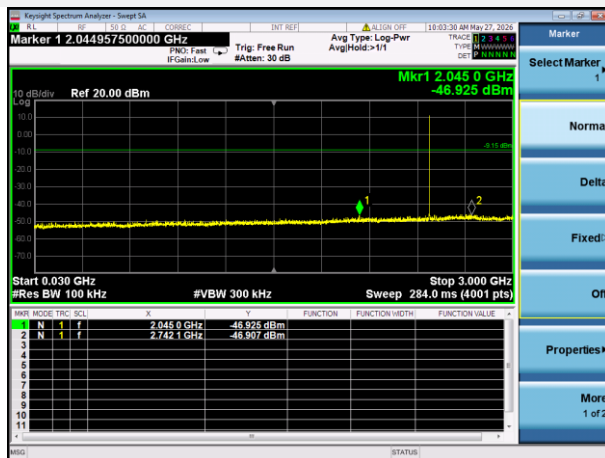
GFSK HIGH CHANNEL, CARRIER LEVEL



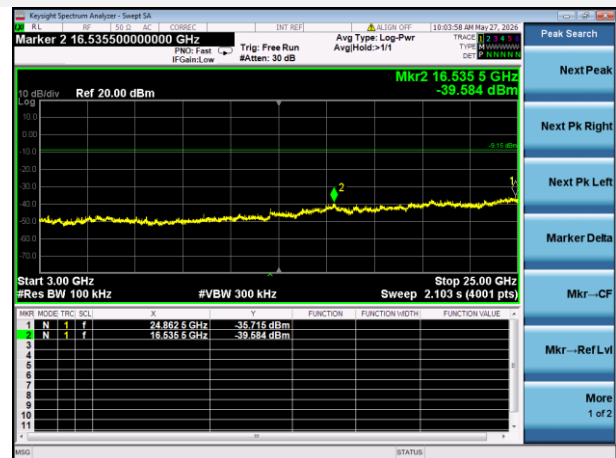
GFSK HIGH CHANNEL, BAND EDGE



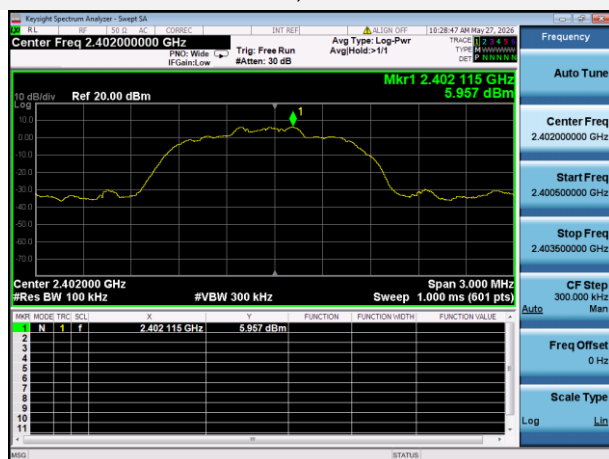
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



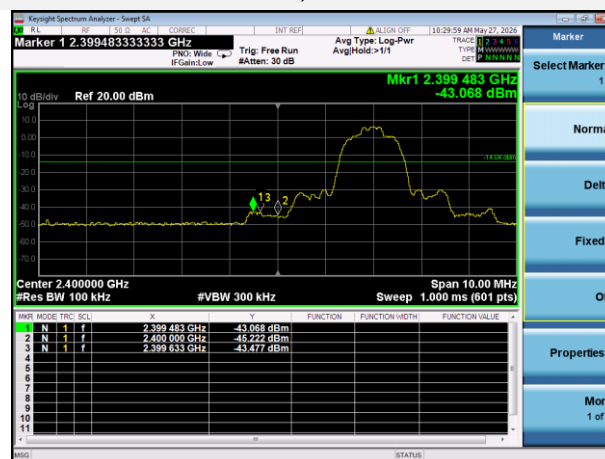
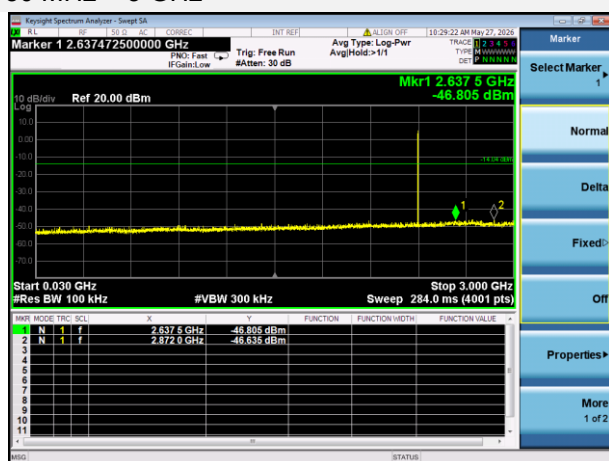
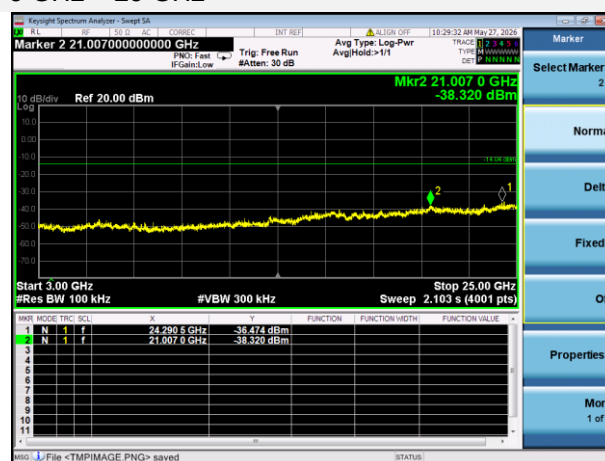
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



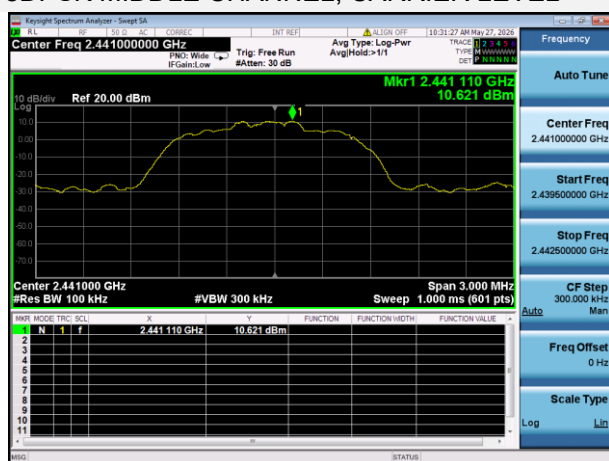
8DPSK LOW CHANNEL, CARRIER LEVEL



8DPSK LOW CHANNEL, BAND EDGE

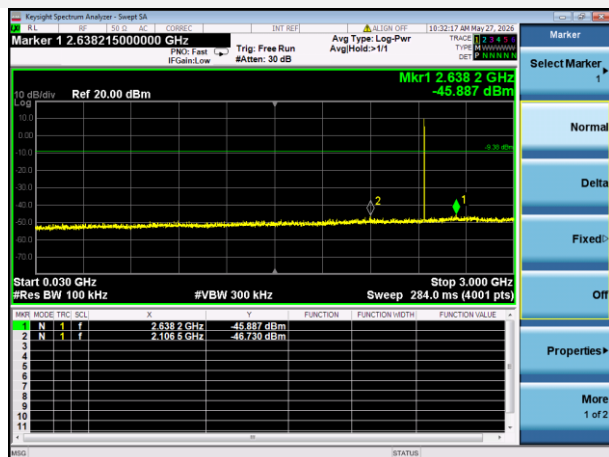
8DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz8DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

8DPSK MIDDLE CHANNEL, CARRIER LEVEL



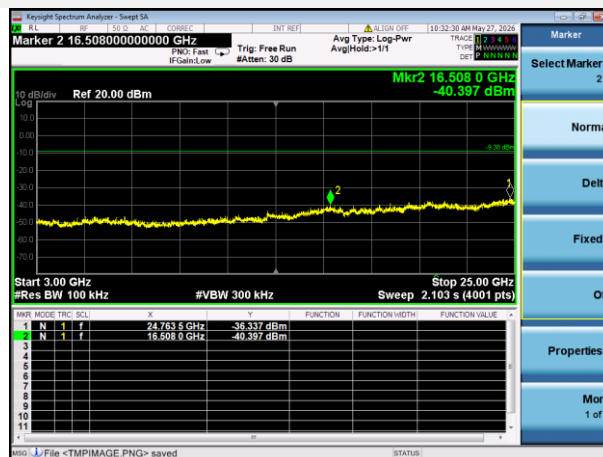
8DPSK MIDDLE CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

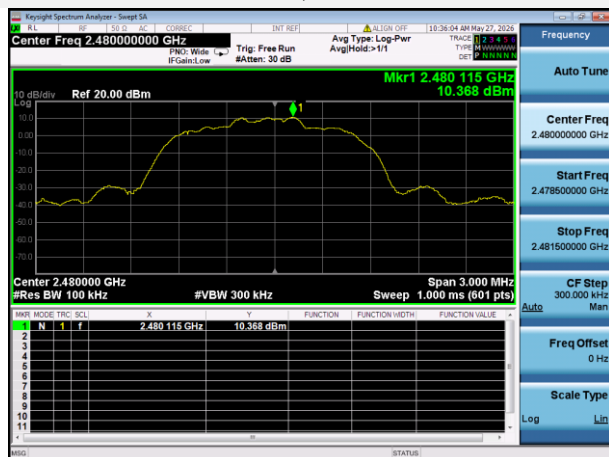


8DPSK MIDDLE CHANNEL, SPURIOUS

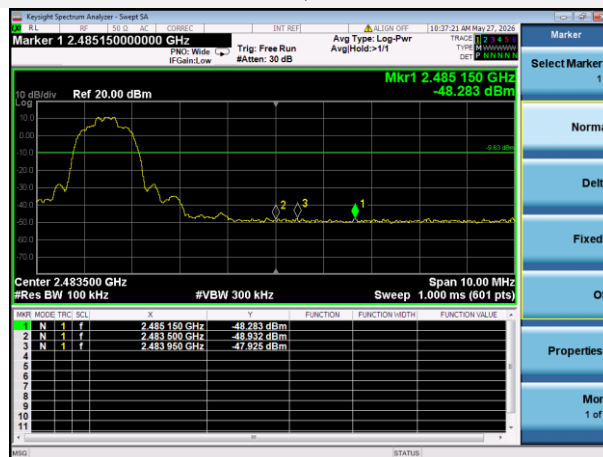
3 GHz ~ 25 GHz



8DPSK HIGH CHANNEL, CARRIER LEVEL

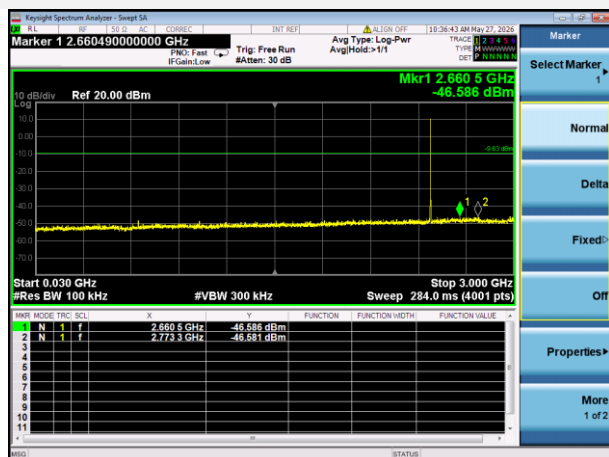


8DPSK HIGH CHANNEL, BAND EDGE



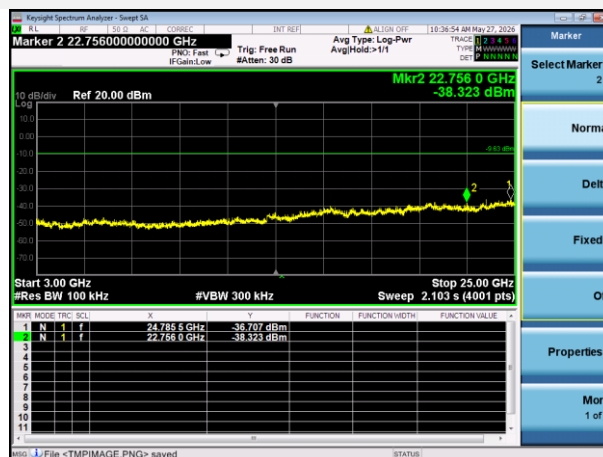
8DPSK HIGH CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

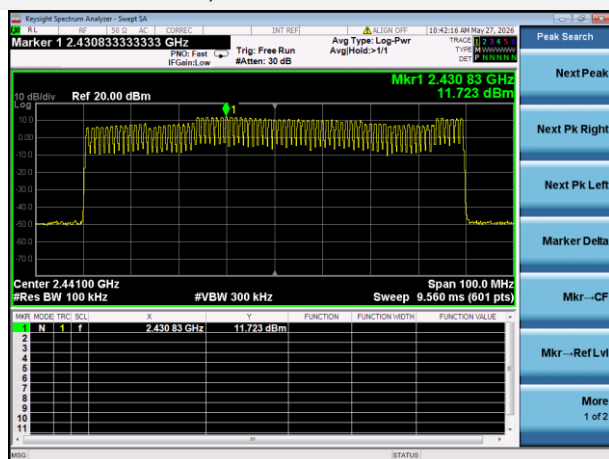


8DPSK HIGH CHANNEL, SPURIOUS

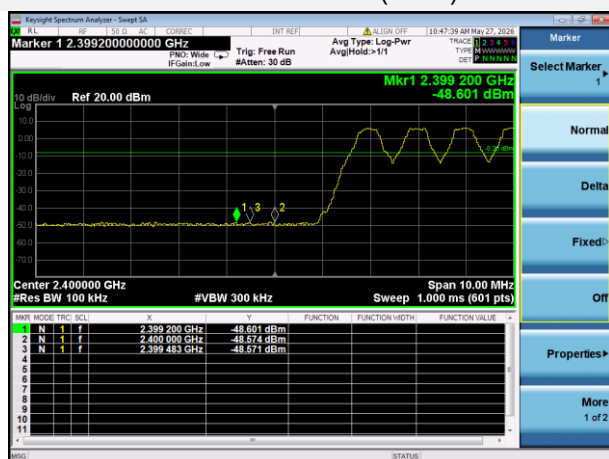
3 GHz ~ 25 GHz



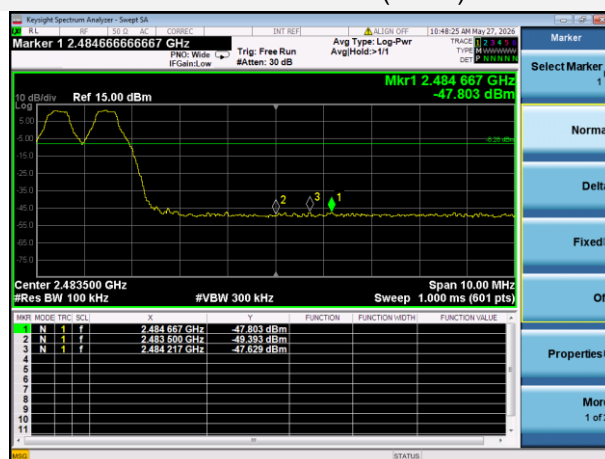
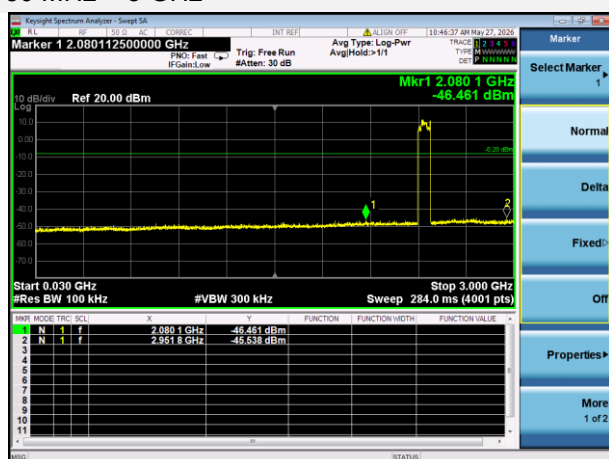
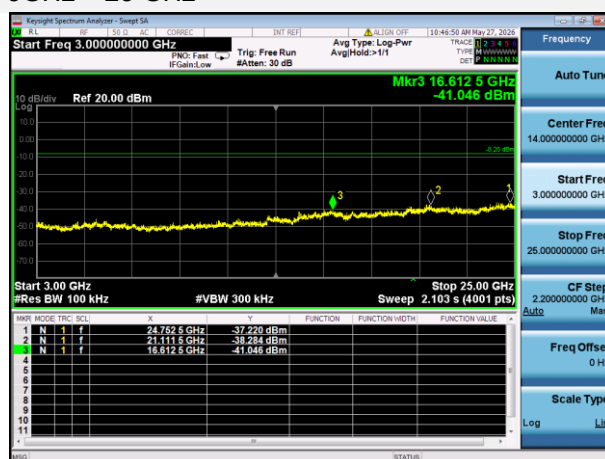
GFSK HOPPING, CARRIER LEVEL



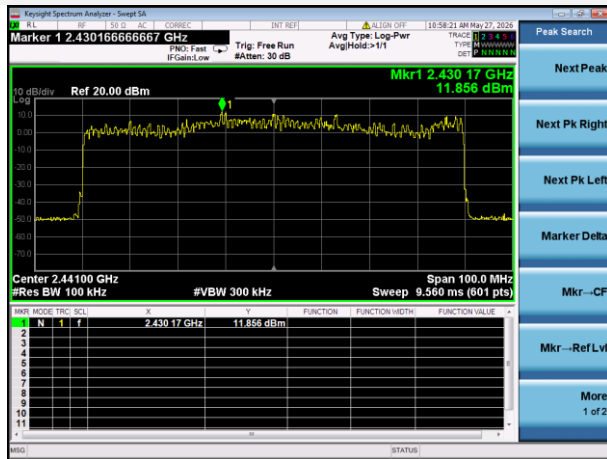
GFSK HOPPING BAND EDGE (LOW)



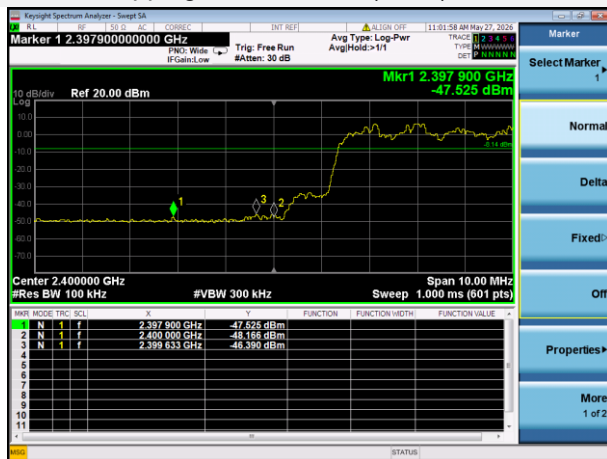
GFSK HOPPING BAND EDGE (HIGH)

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

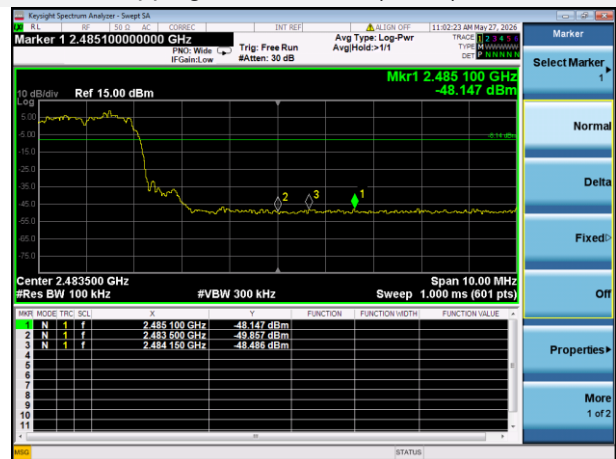
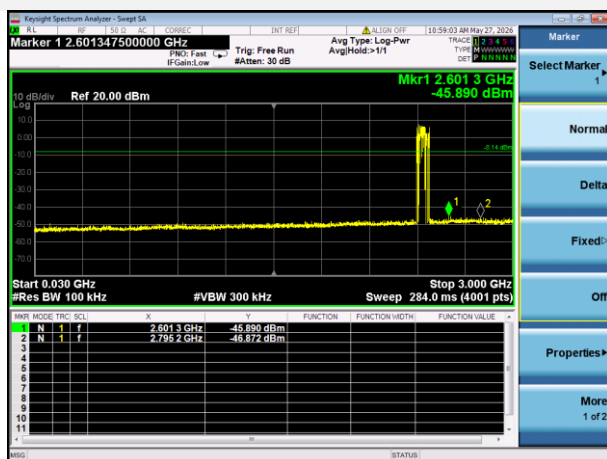
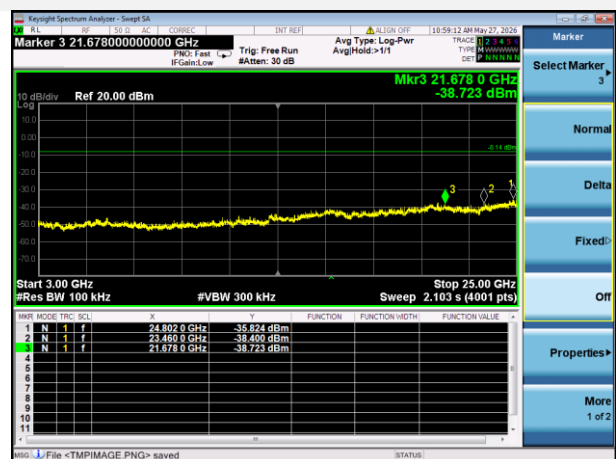
8DPSK HOPPING, CARRIER LEVEL



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.

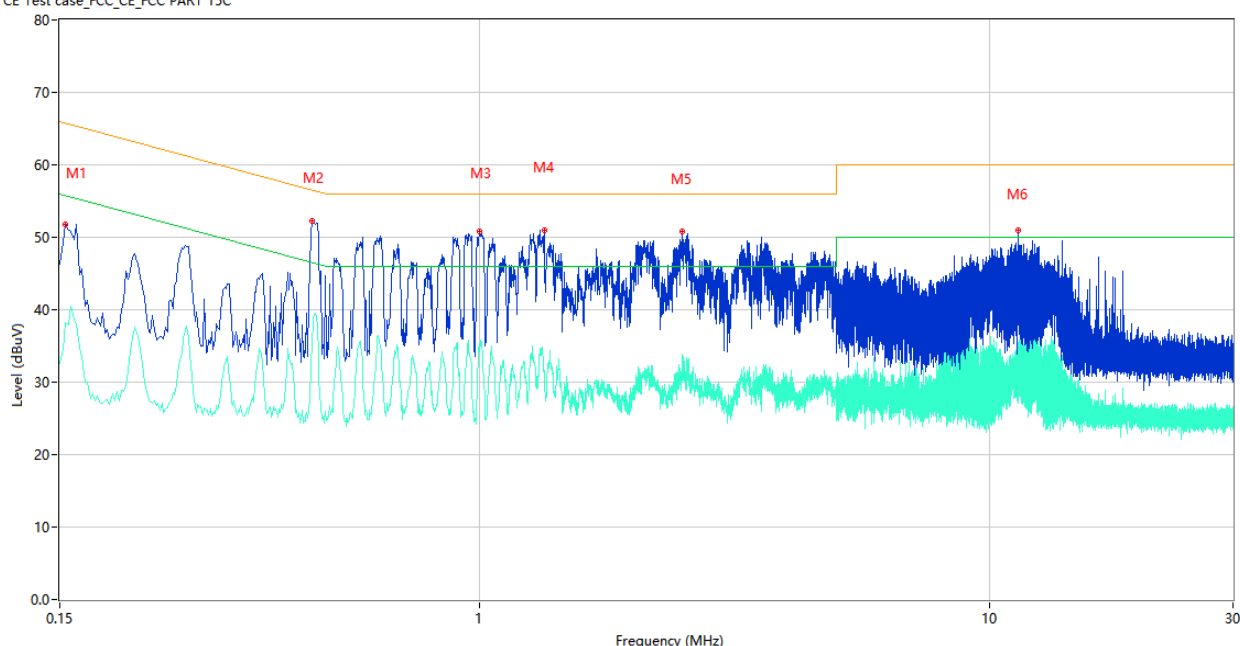
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

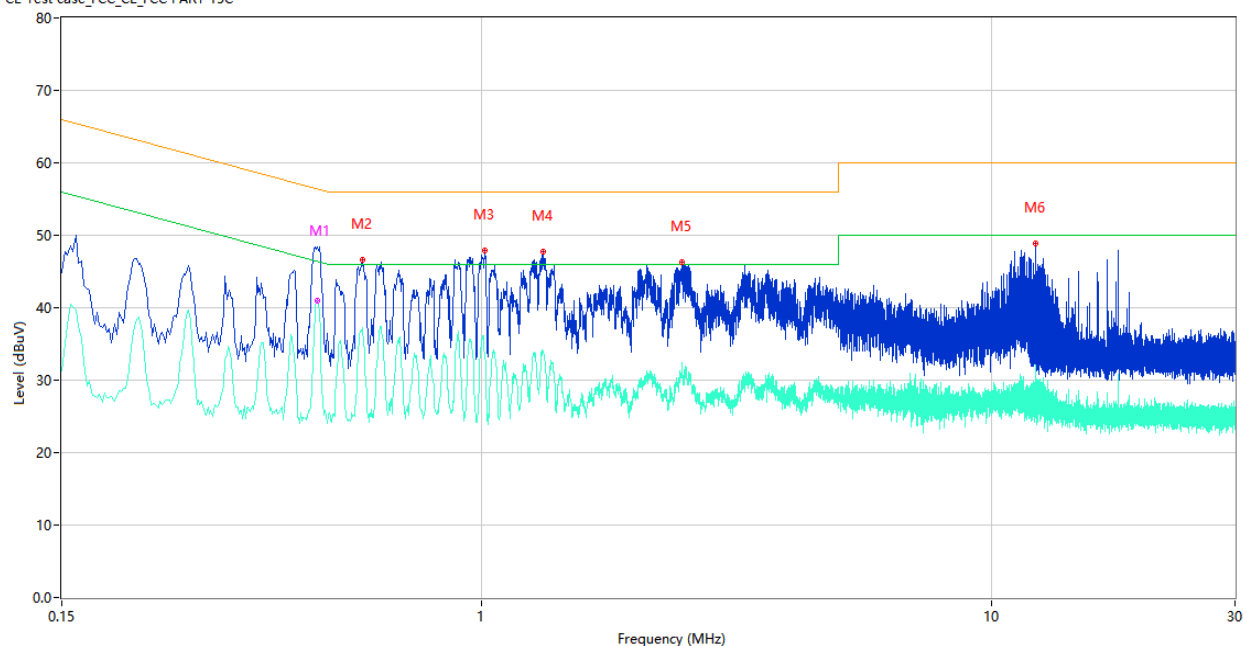
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	51.80	9.86	65.78	13.98	Peak	L	Pass
1**	0.154	38.21	9.86	55.78	17.57	AV	L	Pass
2	0.468	52.18	10.07	56.55	4.37	Peak	L	Pass
2**	0.468	35.80	10.07	46.55	10.75	AV	L	Pass
3	0.998	50.86	10.03	56.00	5.14	Peak	L	Pass
3**	0.998	34.24	10.03	46.00	11.76	AV	L	Pass
4	1.336	51.02	10.20	56.00	4.98	Peak	L	Pass
4**	1.336	31.68	10.20	46.00	14.32	AV	L	Pass
5	2.498	50.83	10.22	56.00	5.17	Peak	L	Pass
5**	2.498	33.15	10.22	46.00	12.85	AV	L	Pass
6	11.388	50.90	10.67	60.00	9.10	Peak	L	Pass
6**	11.388	35.40	10.67	50.00	14.60	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	0.476	48.40	10.06	56.41	8.01	Peak	N	Pass
1**	0.476	41.04	10.06	46.41	5.37	AV	N	Pass
2	0.582	46.60	10.17	56.00	9.40	Peak	N	Pass
2**	0.582	37.18	10.17	46.00	8.82	AV	N	Pass
3	1.012	47.93	10.08	56.00	8.07	Peak	N	Pass
3**	1.012	33.56	10.08	46.00	12.44	AV	N	Pass
4	1.322	47.66	10.34	56.00	8.34	Peak	N	Pass
4**	1.322	33.87	10.34	46.00	12.13	AV	N	Pass
5	2.474	46.28	10.23	56.00	9.72	Peak	N	Pass
5**	2.474	30.75	10.23	46.00	15.25	AV	N	Pass
6	12.196	48.82	10.51	60.00	11.18	Peak	N	Pass
6**	12.196	25.89	10.51	50.00	24.11	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.

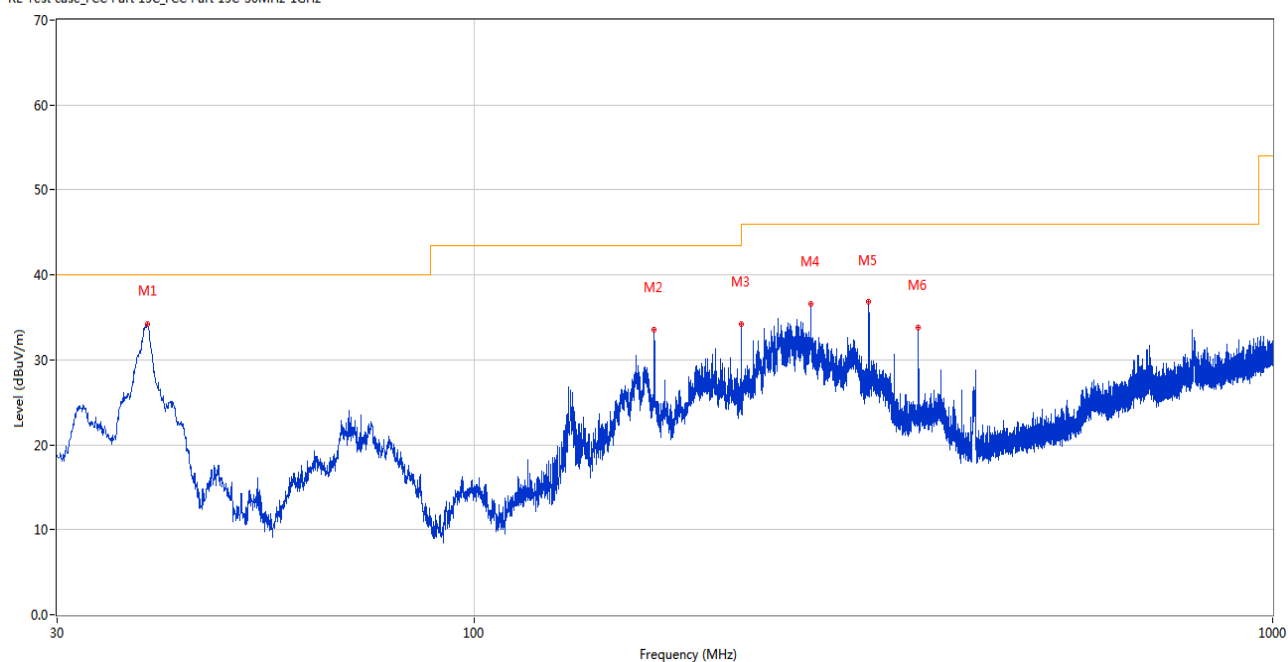
Note ⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

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

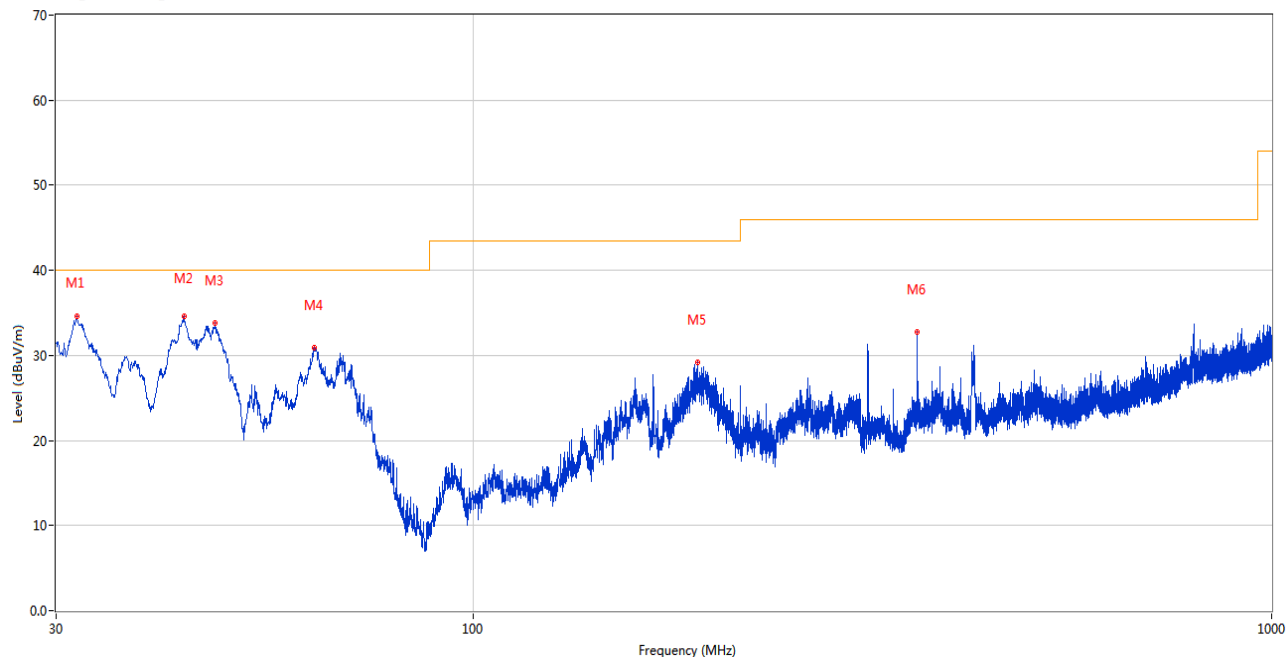
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.924	34.18	-25.64	40.0	5.82	Peak	295.00	100	Horizontal	Pass
2	168.031	33.61	-24.06	43.5	9.89	Peak	136.00	100	Horizontal	Pass
3	215.998	34.27	-26.78	43.5	9.23	Peak	104.00	100	Horizontal	Pass
4	264.013	36.65	-23.74	46.0	9.35	Peak	79.00	200	Horizontal	Pass
5	311.979	36.79	-21.76	46.0	9.21	Peak	37.00	100	Horizontal	Pass
6	359.994	33.79	-20.25	46.0	12.21	Peak	71.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



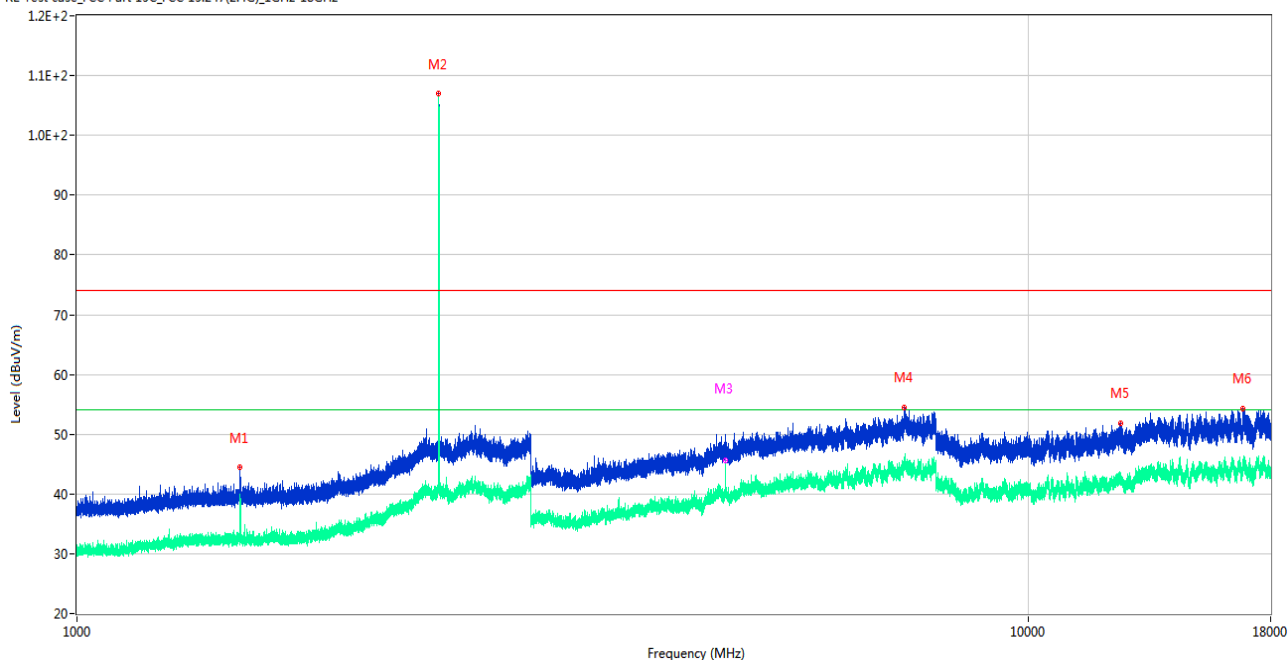
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.892	34.60	-26.76	40.0	5.40	Peak	124.00	100	Vertical	Pass
2	43.386	34.64	-25.02	40.0	5.36	Peak	245.00	100	Vertical	Pass
3	47.460	33.87	-24.79	40.0	6.13	Peak	213.00	100	Vertical	Pass
4	63.222	30.88	-26.03	40.0	9.12	Peak	245.00	200	Vertical	Pass
5	190.972	29.21	-26.47	43.5	14.29	Peak	164.00	100	Vertical	Pass
6	359.994	32.77	-20.25	46.0	13.23	Peak	76.00	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

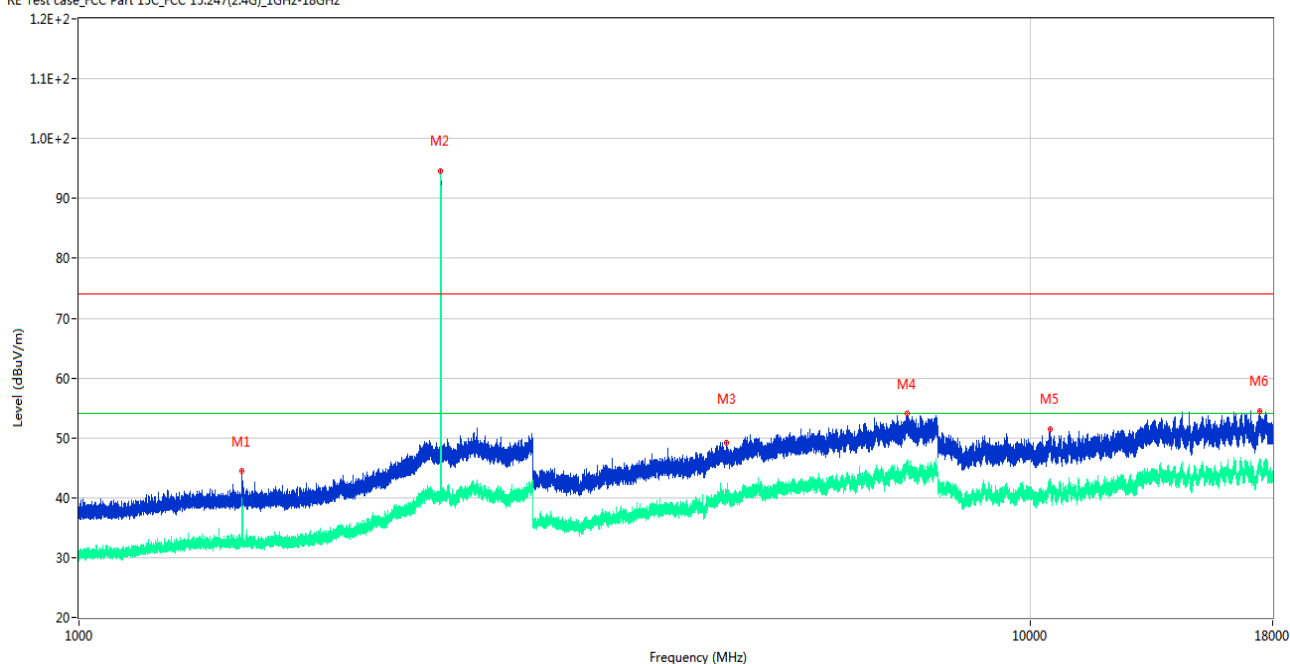
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	44.47	74.0	29.53	Peak	331.00	400	Horizontal	Pass
1**	1484.700	38.22	54.0	15.78	AV	331.00	400	Horizontal	Pass
2	2401.900	106.96	--	--	Peak	141.00	150	Horizontal	N/A
2**	2401.900	106.42	--	--	AV	141.00	150	Horizontal	N/A
3	4804.000	49.35	74.0	24.65	Peak	203.00	150	Horizontal	Pass
3**	4804.000	45.66	54.0	8.34	AV	203.00	150	Horizontal	Pass
4	7420.000	54.53	74.0	19.47	Peak	203.00	400	Horizontal	Pass
4**	7420.000	45.28	54.0	8.72	AV	203.00	400	Horizontal	Pass
5	12531.500	51.87	74.0	22.13	Peak	166.00	300	Horizontal	Pass
5**	12531.500	42.19	54.0	11.81	AV	166.00	300	Horizontal	Pass
6	16845.525	54.33	74.0	19.67	Peak	308.00	200	Horizontal	Pass
6**	16845.525	44.78	54.0	9.22	AV	308.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

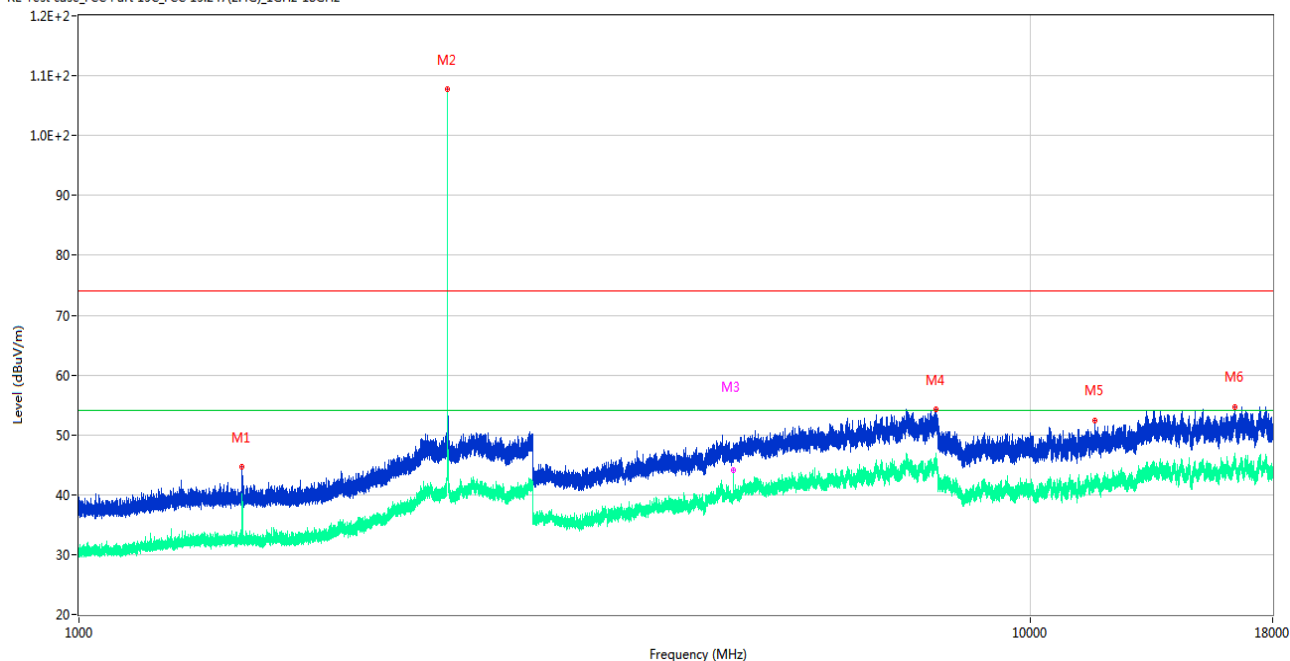
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.800	44.40	74.0	29.60	Peak	336.00	100	Vertical	Pass
1**	1484.800	39.29	54.0	14.71	AV	336.00	100	Vertical	Pass
2	2401.900	94.62	--	--	Peak	207.00	200	Vertical	N/A
2**	2401.900	93.91	--	--	AV	207.00	200	Vertical	N/A
3	4798.250	49.28	74.0	24.72	Peak	269.00	100	Vertical	Pass
3**	4798.250	39.79	54.0	14.21	AV	269.00	100	Vertical	Pass
4	7422.250	54.02	74.0	19.98	Peak	269.00	100	Vertical	Pass
4**	7422.250	45.81	54.0	8.19	AV	269.00	100	Vertical	Pass
5	10491.375	51.52	74.0	22.48	Peak	0.00	300	Vertical	Pass
5**	10491.375	41.42	54.0	12.58	AV	0.00	300	Vertical	Pass
6	17431.425	54.53	74.0	19.47	Peak	133.00	100	Vertical	Pass
6**	17431.425	44.83	54.0	9.17	AV	133.00	100	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

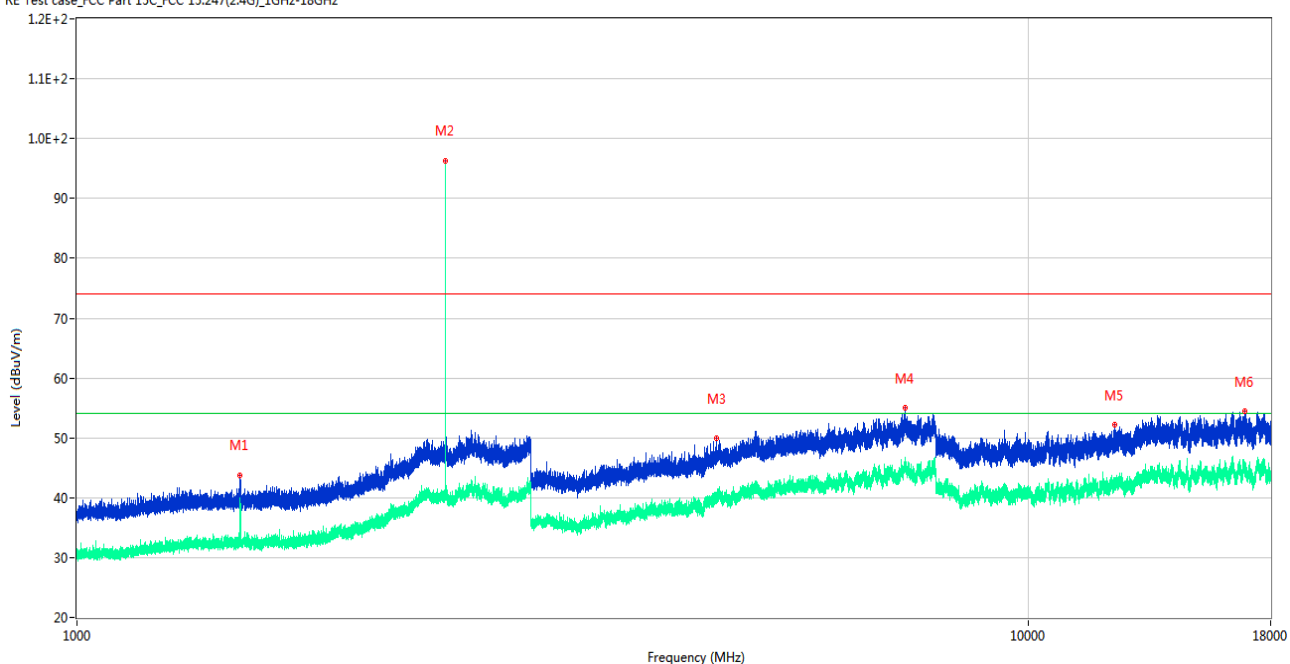
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.900	44.60	74.0	29.40	Peak	0.00	300	Horizontal	Pass
1**	1484.900	39.72	54.0	14.28	AV	0.00	300	Horizontal	Pass
2	2440.900	107.73	--	--	Peak	135.00	150	Horizontal	N/A
2**	2440.900	107.07	--	--	AV	135.00	150	Horizontal	N/A
3	4882.000	48.55	74.0	25.45	Peak	220.00	150	Horizontal	Pass
3**	4882.000	44.17	54.0	9.83	AV	220.00	150	Horizontal	Pass
4	7964.250	54.25	74.0	19.75	Peak	152.00	300	Horizontal	Pass
4**	7964.250	45.52	54.0	8.48	AV	152.00	300	Horizontal	Pass
5	11695.737	52.48	74.0	21.52	Peak	0.00	300	Horizontal	Pass
5**	11695.737	41.31	54.0	12.69	AV	0.00	300	Horizontal	Pass
6	16427.099	54.68	74.0	19.32	Peak	99.00	300	Horizontal	Pass
6**	16427.099	45.41	54.0	8.59	AV	99.00	300	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

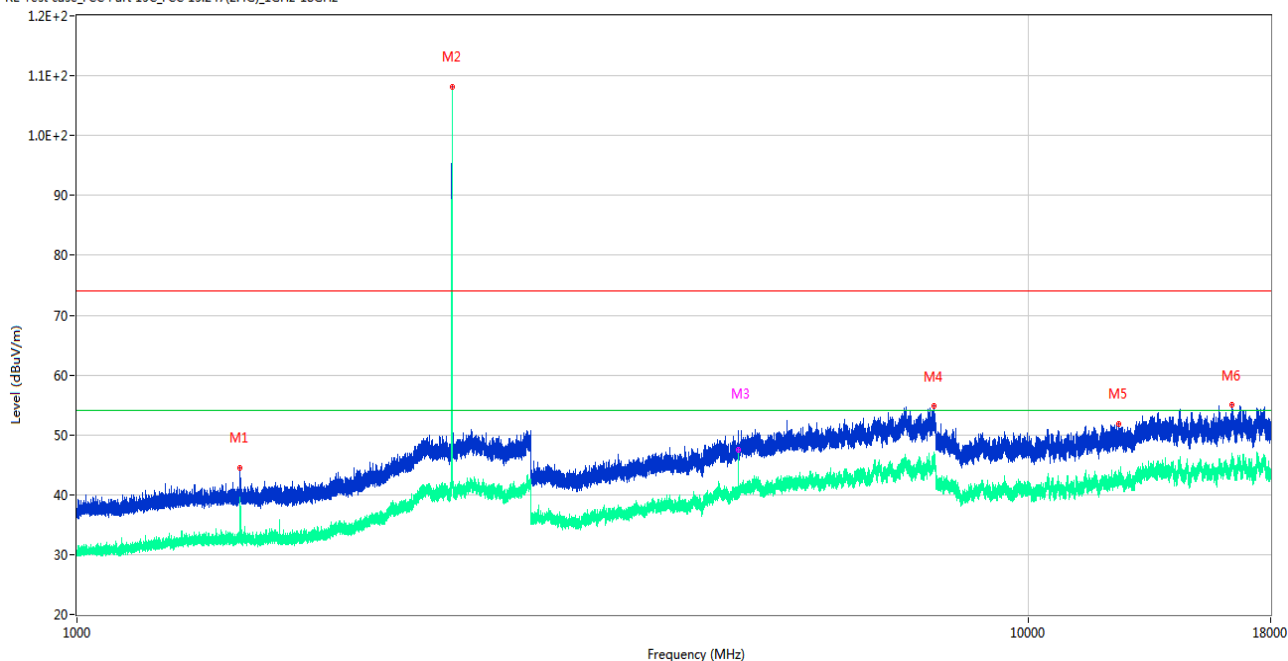
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.600	43.74	74.0	30.26	Peak	332.00	300	Vertical	Pass
1**	1484.600	38.36	54.0	15.64	AV	332.00	300	Vertical	Pass
2	2440.900	96.28	--	--	Peak	120.00	150	Vertical	N/A
2**	2440.900	95.73	--	--	AV	120.00	150	Vertical	N/A
3	4707.000	49.95	74.0	24.05	Peak	313.00	200	Vertical	Pass
3**	4707.000	39.70	54.0	14.30	AV	313.00	200	Vertical	Pass
4	7423.000	54.98	74.0	19.02	Peak	269.00	100	Vertical	Pass
4**	7423.000	46.70	54.0	7.30	AV	269.00	100	Vertical	Pass
5	12337.937	52.14	74.0	21.86	Peak	235.00	200	Vertical	Pass
5**	12337.937	43.29	54.0	10.71	AV	235.00	200	Vertical	Pass
6	16904.063	54.45	74.0	19.55	Peak	108.00	300	Vertical	Pass
6**	16904.063	44.48	54.0	9.52	AV	108.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

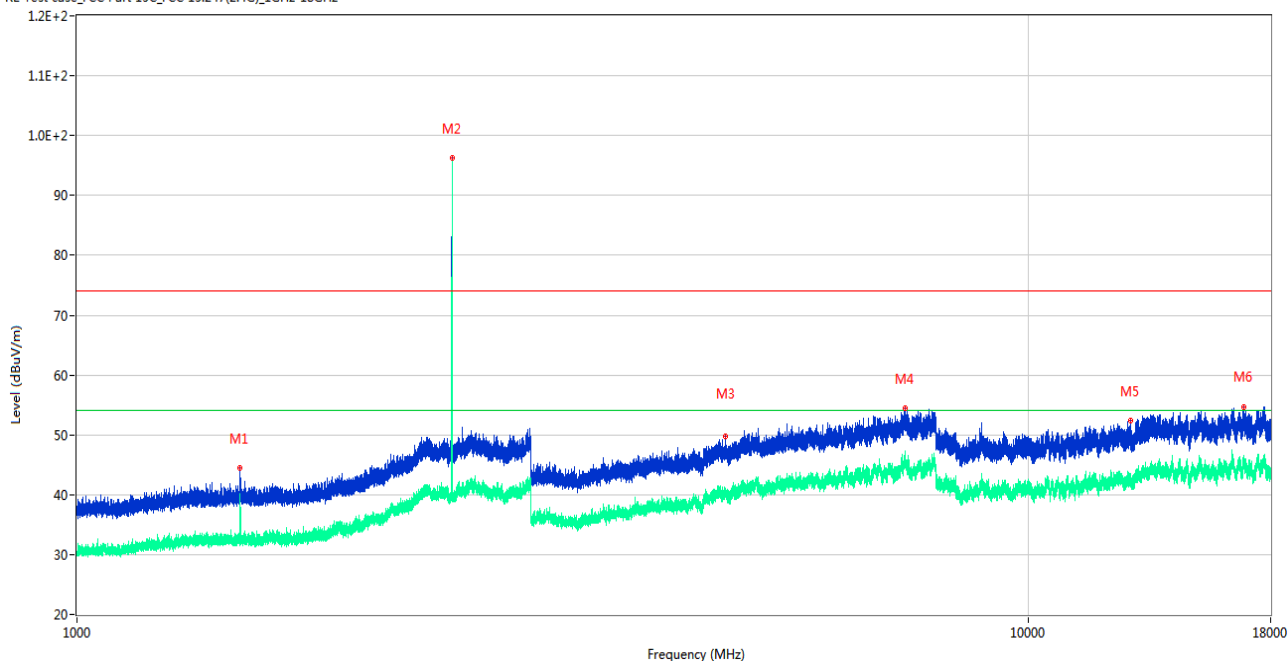
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	44.50	74.0	29.50	Peak	181.00	200	Horizontal	Pass
1**	1484.700	38.72	54.0	15.28	AV	181.00	200	Horizontal	Pass
2	2480.000	108.21	--	--	Peak	139.00	100	Horizontal	N/A
2**	2480.000	107.68	--	--	AV	139.00	100	Horizontal	N/A
3	4960.250	49.98	74.0	24.02	Peak	199.00	150	Horizontal	Pass
3**	4960.250	47.47	54.0	6.53	AV	199.00	150	Horizontal	Pass
4	7964.250	54.83	74.0	19.17	Peak	268.00	400	Horizontal	Pass
4**	7964.250	45.38	54.0	8.62	AV	268.00	400	Horizontal	Pass
5	12473.075	51.85	74.0	22.15	Peak	162.00	400	Horizontal	Pass
5**	12473.075	42.60	54.0	11.40	AV	162.00	400	Horizontal	Pass
6	16397.176	54.96	74.0	19.04	Peak	222.00	100	Horizontal	Pass
6**	16397.176	44.99	54.0	9.01	AV	222.00	100	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

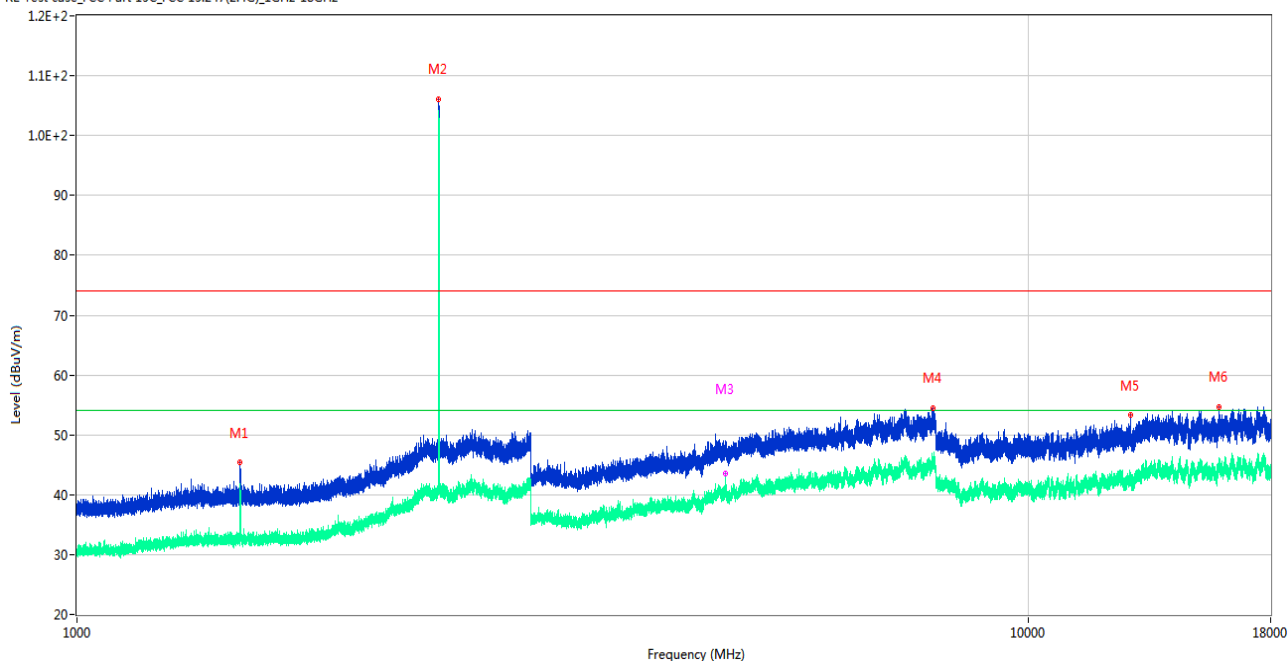
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.000	44.40	74.0	29.60	Peak	40.00	400	Vertical	Pass
1**	1485.000	38.43	54.0	15.57	AV	40.00	400	Vertical	Pass
2	2479.900	96.23	--	--	Peak	113.00	200	Vertical	N/A
2**	2479.900	95.55	--	--	AV	113.00	200	Vertical	N/A
3	4808.500	49.70	74.0	24.30	Peak	0.00	200	Vertical	Pass
3**	4808.500	40.06	54.0	13.94	AV	0.00	200	Vertical	Pass
4	7425.000	54.37	74.0	19.63	Peak	115.00	200	Vertical	Pass
4**	7425.000	45.95	54.0	8.05	AV	115.00	200	Vertical	Pass
5	12808.800	52.37	74.0	21.63	Peak	360.00	300	Vertical	Pass
5**	12808.800	42.60	54.0	11.40	AV	360.00	300	Vertical	Pass
6	16851.825	54.67	74.0	19.33	Peak	217.00	100	Vertical	Pass
6**	16851.825	45.65	54.0	8.35	AV	217.00	100	Vertical	Pass

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

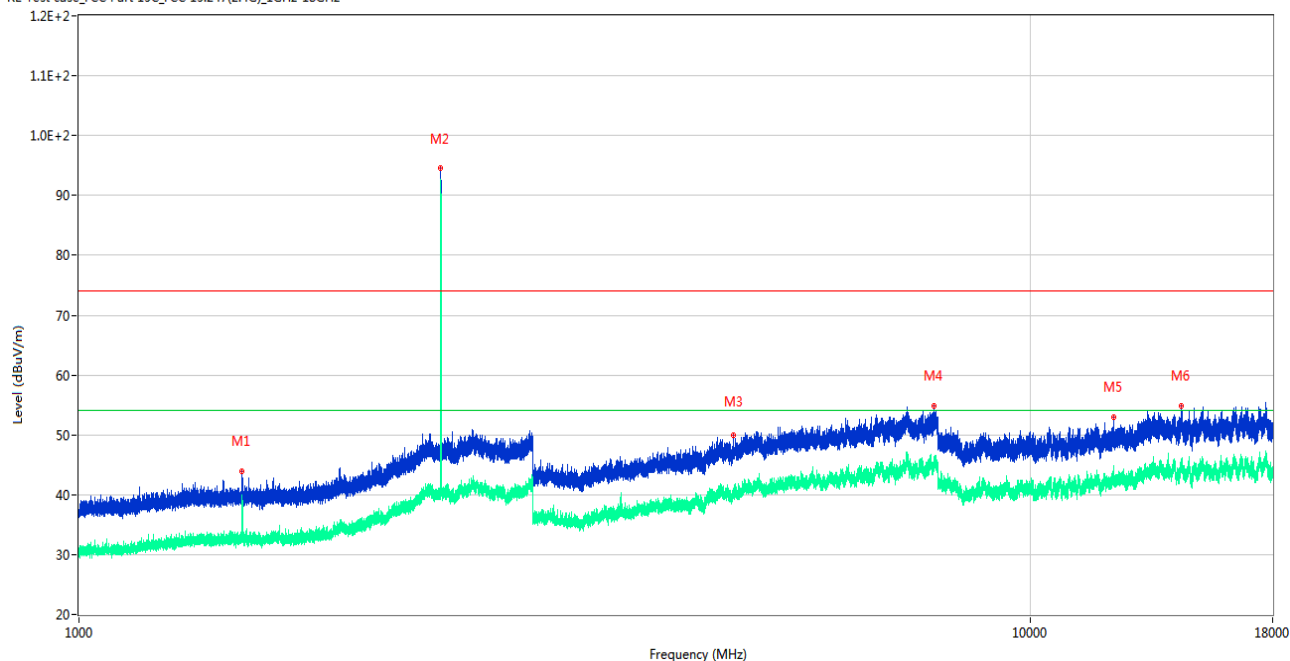
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.800	45.39	74.0	28.61	Peak	94.00	400	Horizontal	Pass
1**	1484.800	41.87	54.0	12.13	AV	94.00	400	Horizontal	Pass
2	2402.000	106.12	--	--	Peak	135.00	100	Horizontal	N/A
2**	2402.000	103.89	--	--	AV	135.00	100	Horizontal	N/A
3	4804.250	48.01	74.0	25.99	Peak	222.00	150	Horizontal	Pass
3**	4804.250	43.62	54.0	10.38	AV	222.00	150	Horizontal	Pass
4	7956.500	54.52	74.0	19.48	Peak	360.00	100	Horizontal	Pass
4**	7956.500	46.01	54.0	7.99	AV	360.00	100	Horizontal	Pass
5	12834.787	53.28	74.0	20.72	Peak	111.00	400	Horizontal	Pass
5**	12834.787	41.98	54.0	12.02	AV	111.00	400	Horizontal	Pass
6	15895.800	54.71	74.0	19.29	Peak	336.00	400	Horizontal	Pass
6**	15895.800	45.32	54.0	8.68	AV	336.00	400	Horizontal	Pass

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

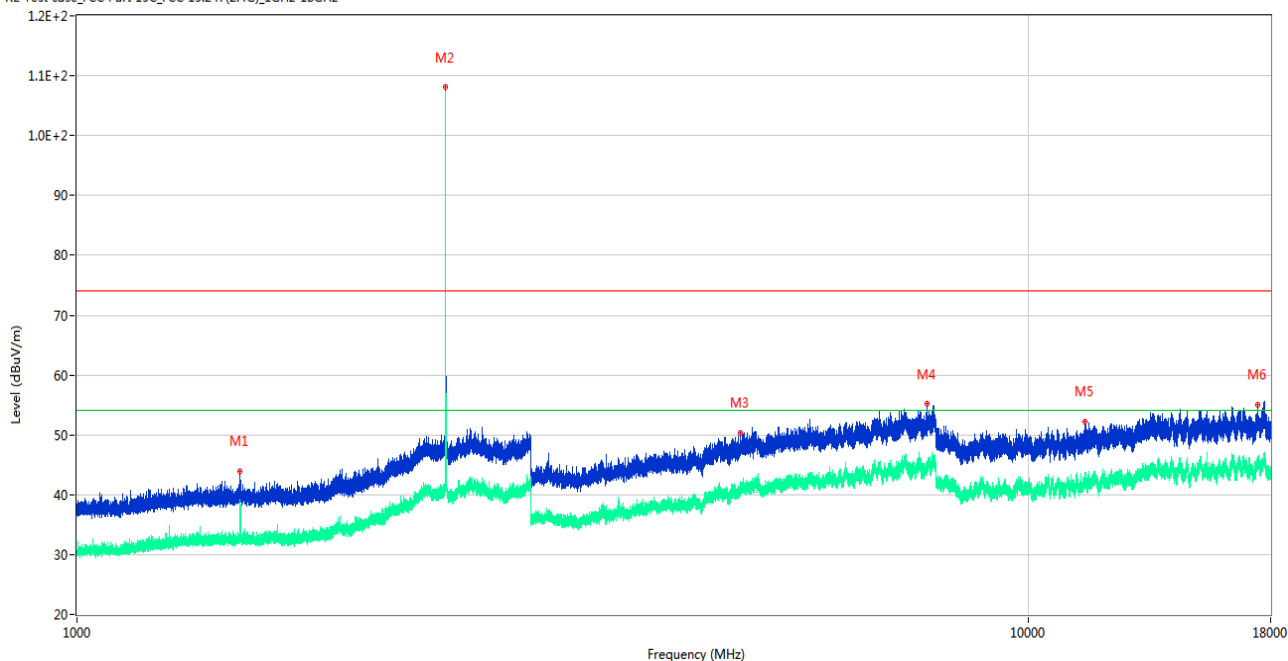
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.000	43.92	74.0	30.08	Peak	228.00	300	Vertical	Pass
1**	1485.000	39.78	54.0	14.22	AV	228.00	300	Vertical	Pass
2	2401.900	94.50	--	--	Peak	113.00	200	Vertical	N/A
2**	2401.900	91.93	--	--	AV	113.00	200	Vertical	N/A
3	4877.750	50.00	74.0	24.00	Peak	360.00	100	Vertical	Pass
3**	4877.750	40.72	54.0	13.28	AV	360.00	100	Vertical	Pass
4	7934.750	54.90	74.0	19.10	Peak	266.00	400	Vertical	Pass
4**	7934.750	45.54	54.0	8.46	AV	266.00	400	Vertical	Pass
5	12245.313	53.04	74.0	20.96	Peak	135.00	100	Vertical	Pass
5**	12245.313	42.65	54.0	11.35	AV	135.00	100	Vertical	Pass
6	14420.287	54.89	74.0	19.11	Peak	65.00	300	Vertical	Pass
6**	14420.287	44.72	54.0	9.28	AV	65.00	300	Vertical	Pass

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

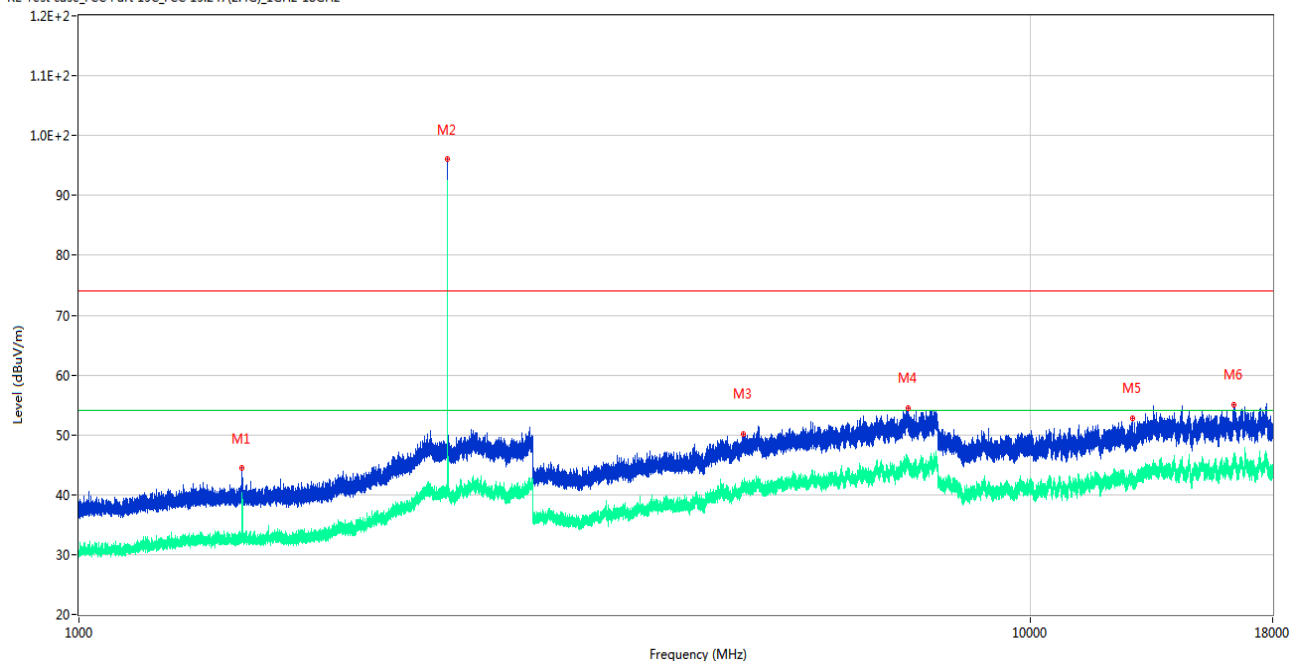
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.900	43.95	74.0	30.05	Peak	184.00	200	Horizontal	Pass
1**	1484.900	38.67	54.0	15.33	AV	184.00	200	Horizontal	Pass
2	2440.800	108.11	--	--	Peak	134.00	200	Horizontal	N/A
2**	2440.800	106.45	--	--	AV	134.00	200	Horizontal	N/A
3	4982.250	50.41	74.0	23.59	Peak	223.00	150	Horizontal	Pass
3**	4982.250	40.50	54.0	13.50	AV	223.00	150	Horizontal	Pass
4	7841.750	55.13	74.0	18.87	Peak	154.00	300	Horizontal	Pass
4**	7841.750	44.62	54.0	9.38	AV	154.00	300	Horizontal	Pass
5	11481.987	52.29	74.0	21.71	Peak	80.00	100	Horizontal	Pass
5**	11481.987	42.19	54.0	11.81	AV	80.00	100	Horizontal	Pass
6	17426.438	55.03	74.0	18.97	Peak	178.00	300	Horizontal	Pass
6**	17426.438	44.81	54.0	9.19	AV	178.00	300	Horizontal	Pass

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

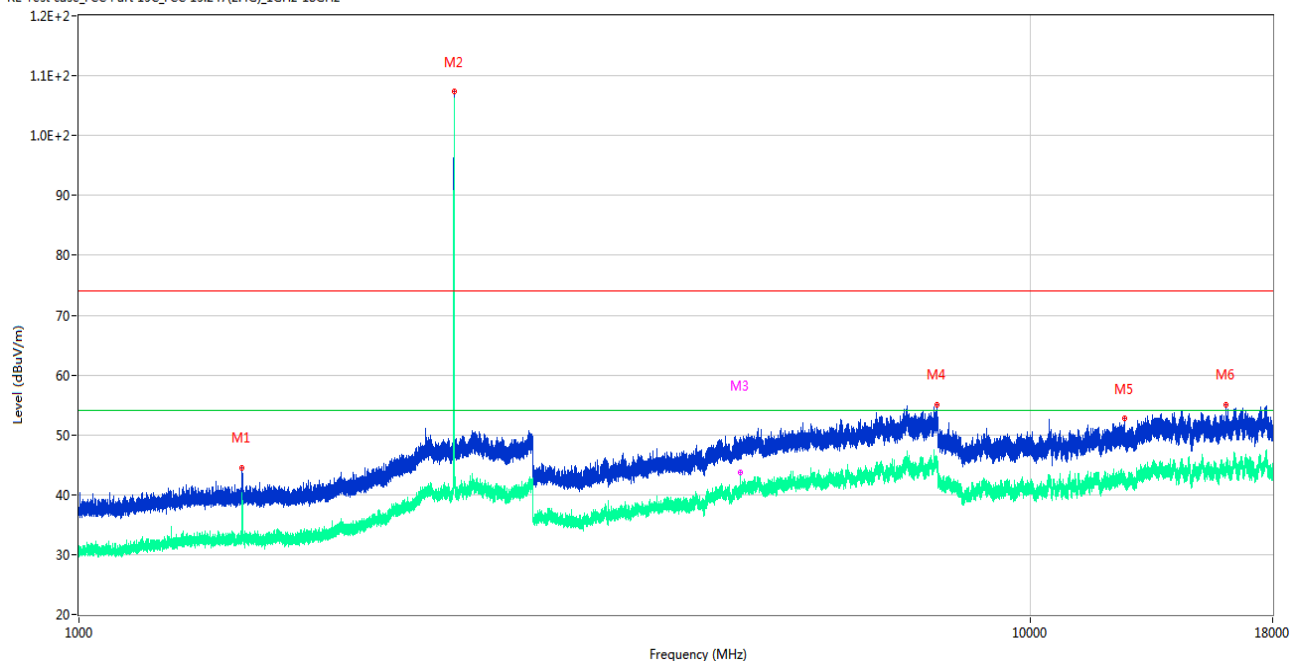
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.000	44.44	74.0	29.56	Peak	249.00	400	Vertical	Pass
1**	1485.000	39.63	54.0	14.37	AV	249.00	400	Vertical	Pass
2	2440.900	95.99	--	--	Peak	115.00	100	Vertical	N/A
2**	2440.900	92.03	--	--	AV	115.00	100	Vertical	N/A
3	4994.750	50.21	74.0	23.79	Peak	222.00	200	Vertical	Pass
3**	4994.750	41.09	54.0	12.91	AV	222.00	200	Vertical	Pass
4	7450.250	54.51	74.0	19.49	Peak	356.00	400	Vertical	Pass
4**	7450.250	45.06	54.0	8.94	AV	356.00	400	Vertical	Pass
5	12838.462	52.84	74.0	21.16	Peak	341.00	200	Vertical	Pass
5**	12838.462	42.21	54.0	11.79	AV	341.00	200	Vertical	Pass
6	16405.575	55.07	74.0	18.93	Peak	52.00	400	Vertical	Pass
6**	16405.575	45.38	54.0	8.62	AV	52.00	400	Vertical	Pass

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

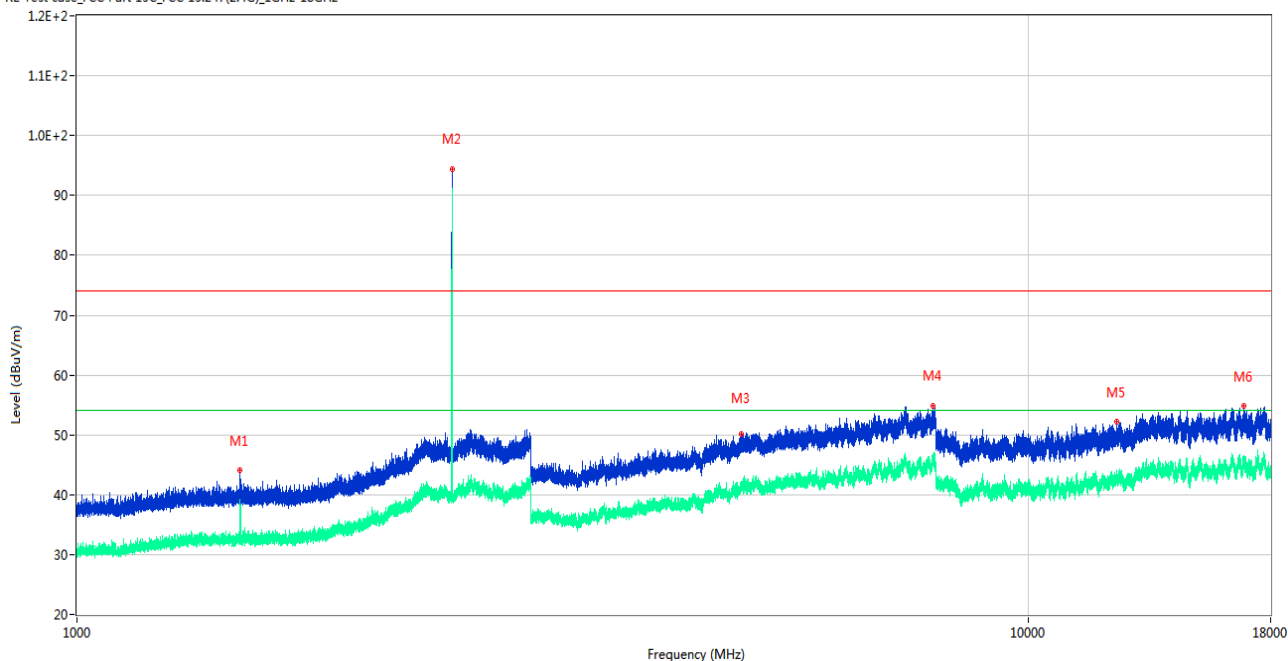
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.800	44.50	74.0	29.50	Peak	179.00	300	Horizontal	Pass
1**	1484.800	39.80	54.0	14.20	AV	179.00	300	Horizontal	Pass
2	2479.900	107.37	--	--	Peak	137.00	100	Horizontal	N/A
2**	2479.900	105.92	--	--	AV	137.00	100	Horizontal	N/A
3	4960.500	48.38	74.0	25.62	Peak	202.00	150	Horizontal	Pass
3**	4960.500	43.67	54.0	10.33	AV	202.00	150	Horizontal	Pass
4	7984.500	55.03	74.0	18.97	Peak	293.00	300	Horizontal	Pass
4**	7984.500	45.69	54.0	8.31	AV	293.00	300	Horizontal	Pass
5	12569.026	52.68	74.0	21.32	Peak	120.00	100	Horizontal	Pass
5**	12569.026	42.26	54.0	11.74	AV	120.00	100	Horizontal	Pass
6	16071.937	55.05	74.0	18.95	Peak	266.00	300	Horizontal	Pass
6**	16071.937	43.97	54.0	10.03	AV	266.00	300	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	1484.600	44.07	74.0	29.93	Peak	291.00	100	Vertical	Pass
1**	1484.600	37.08	54.0	16.92	AV	291.00	100	Vertical	Pass
2	2479.900	94.45	--	--	Peak	110.00	200	Vertical	N/A
2**	2479.900	91.27	--	--	AV	110.00	200	Vertical	N/A
3	4995.750	50.10	74.0	23.90	Peak	29.00	100	Vertical	Pass
3**	4995.750	41.39	54.0	12.61	AV	29.00	100	Vertical	Pass
4	7940.250	54.91	74.0	19.09	Peak	185.00	100	Vertical	Pass
4**	7940.250	45.98	54.0	8.02	AV	185.00	100	Vertical	Pass
5	12398.262	52.18	74.0	21.82	Peak	123.00	300	Vertical	Pass
5**	12398.262	42.39	54.0	11.61	AV	123.00	300	Vertical	Pass
6	16850.775	54.79	74.0	19.21	Peak	167.00	400	Vertical	Pass
6**	16850.775	46.07	54.0	7.93	AV	167.00	400	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.

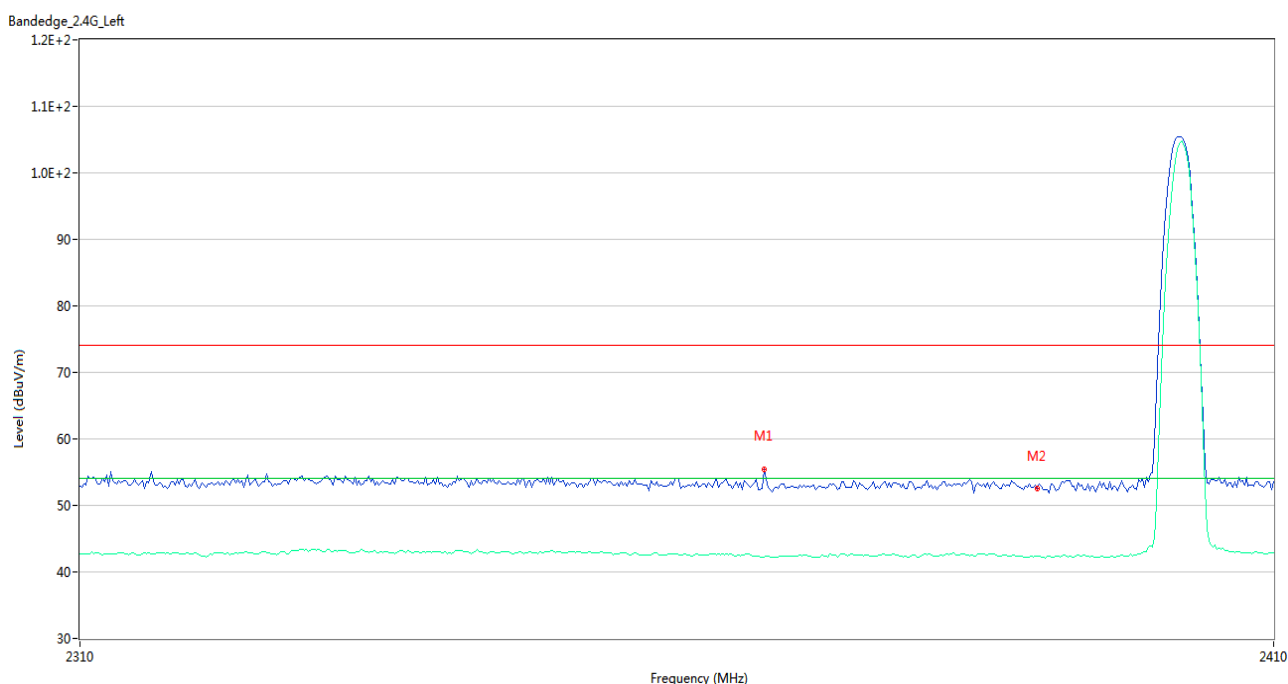
Note³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

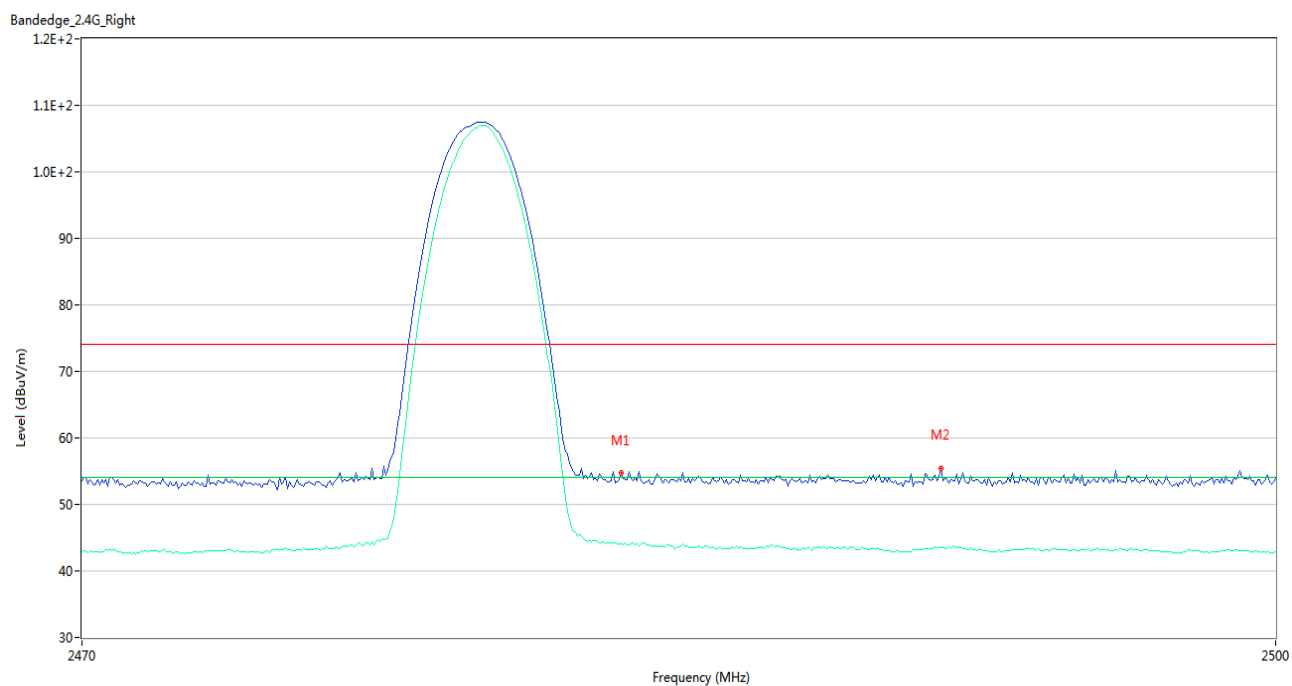
Test Data and Plots

GFSK LOW CHANNEL



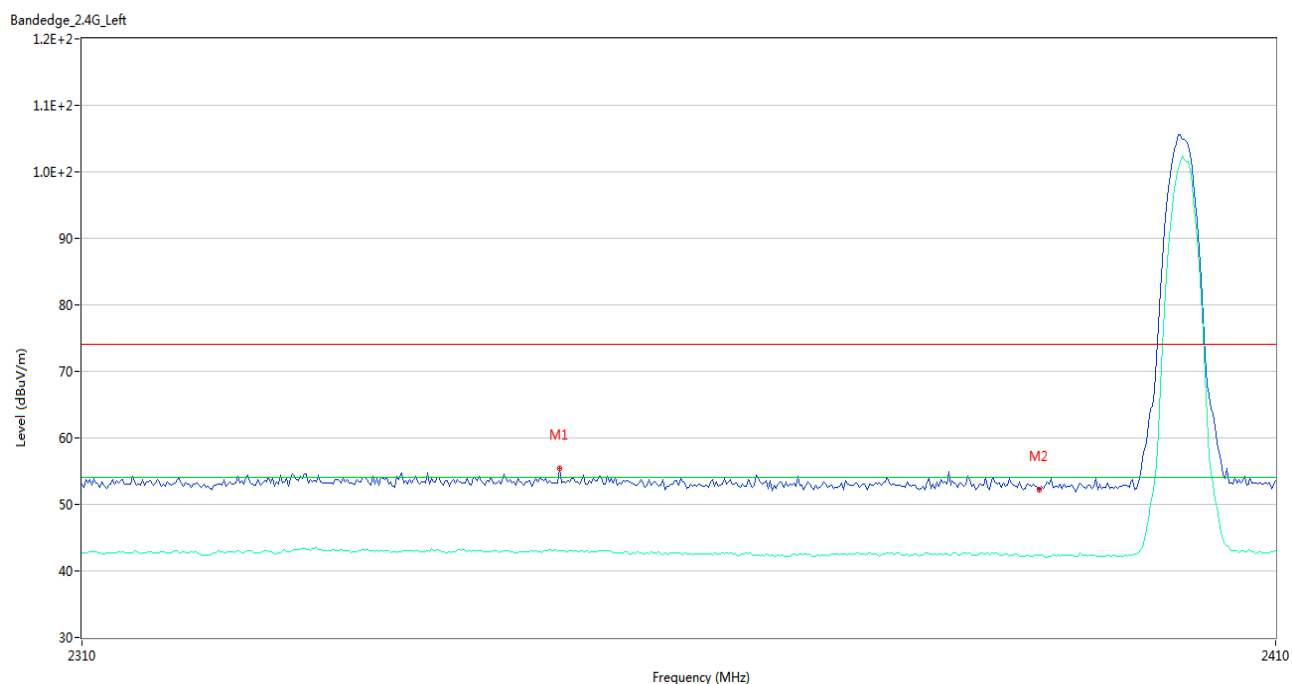
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2366.833	55.51	74.0	18.49	Peak	171.00	100	Horizontal	Pass
1**	2366.833	42.25	54.0	11.75	AV	171.00	100	Horizontal	Pass
2	2389.833	52.52	74.0	21.48	Peak	360.00	200	Horizontal	Pass
2**	2389.833	42.30	54.0	11.70	AV	360.00	200	Horizontal	Pass

GFSK HIGH CHANNEL



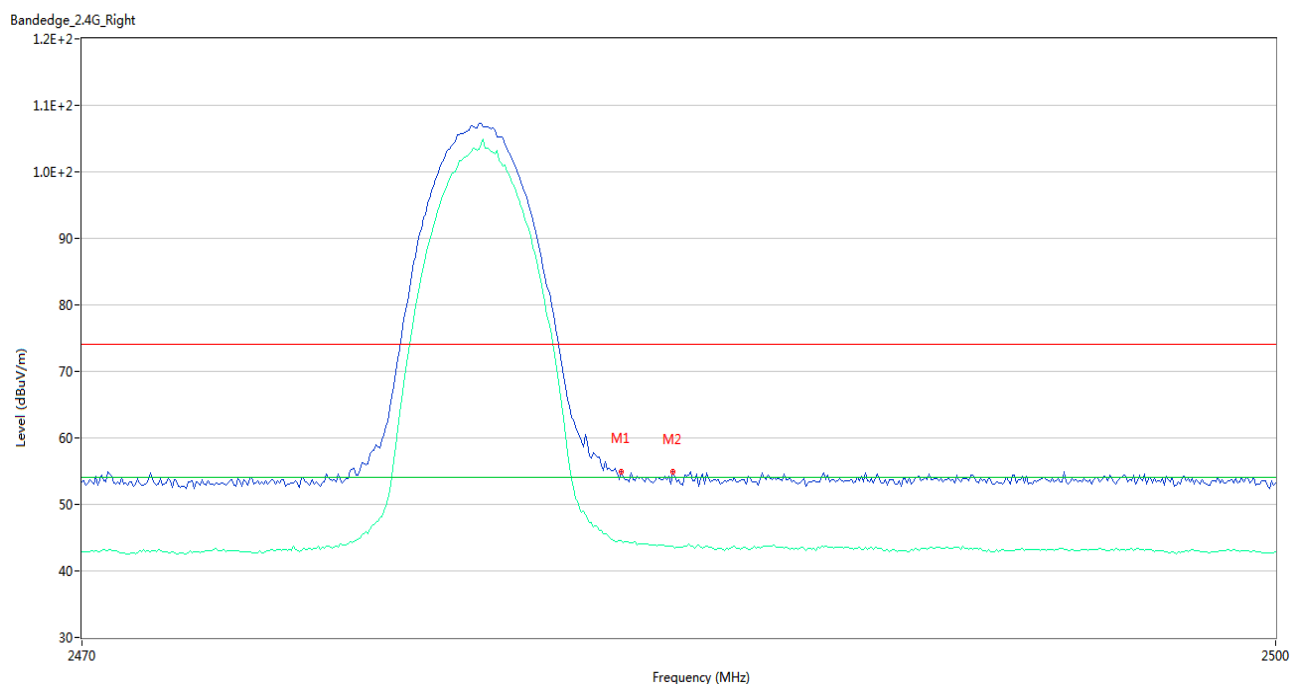
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.73	74.0	19.27	Peak	130.00	100	Horizontal	Pass
1**	2483.500	44.15	54.0	9.85	AV	130.00	100	Horizontal	Pass
2	2491.550	55.48	74.0	18.52	Peak	71.00	100	Horizontal	Pass
2**	2491.550	43.63	54.0	10.37	AV	71.00	100	Horizontal	Pass

8DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2349.500	55.46	74.0	18.54	Peak	200.00	150	Horizontal	Pass
1**	2349.500	43.10	54.0	10.90	AV	200.00	150	Horizontal	Pass
2	2389.833	52.26	74.0	21.74	Peak	121.00	150	Horizontal	Pass
2**	2389.833	42.31	54.0	11.69	AV	121.00	150	Horizontal	Pass

8DPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.99	74.0	19.01	Peak	140.00	200	Horizontal	Pass
1**	2483.500	44.50	54.0	9.50	AV	140.00	200	Horizontal	Pass
2	2484.800	54.87	74.0	19.13	Peak	349.00	200	Horizontal	Pass
2**	2484.800	43.76	54.0	10.24	AV	349.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26050368-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26050368-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26050368-AI.PDF”.

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--END OF REPORT--