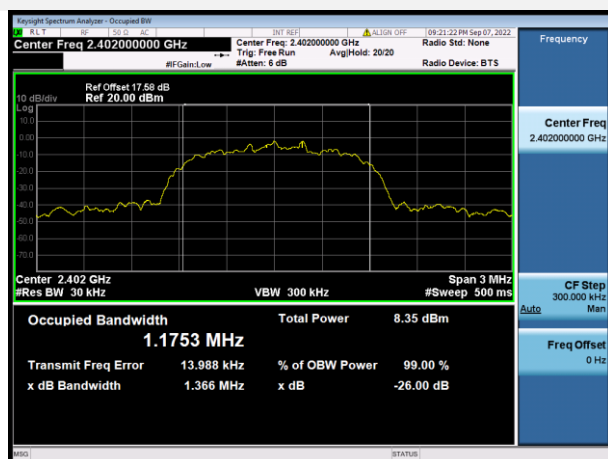


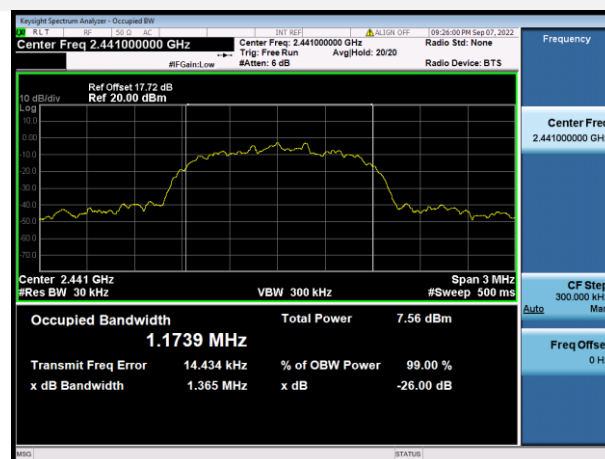
$\pi/4$ -DQPSK HIGH CHANNEL



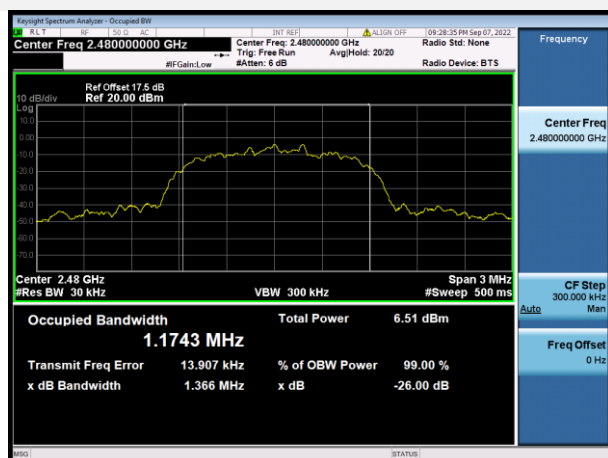
8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



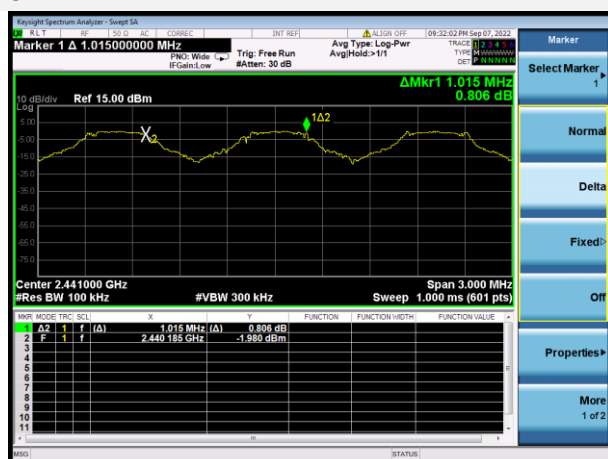
A.4 Hopping Frequency Separation

Test Data

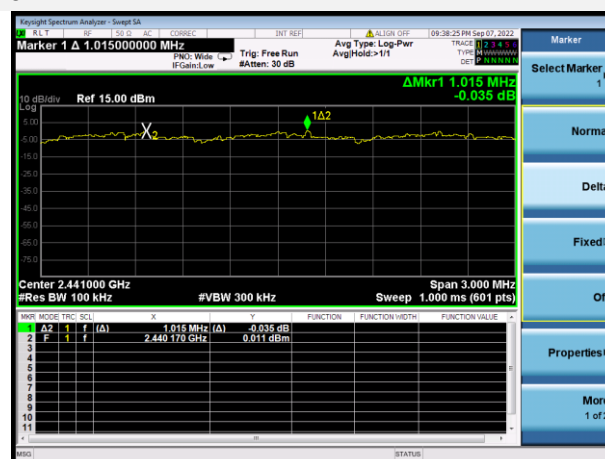
Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.015	0.643	Pass
8-DPSK	1.015	0.870	Pass

Test Plots

GFSK



8-DPSK



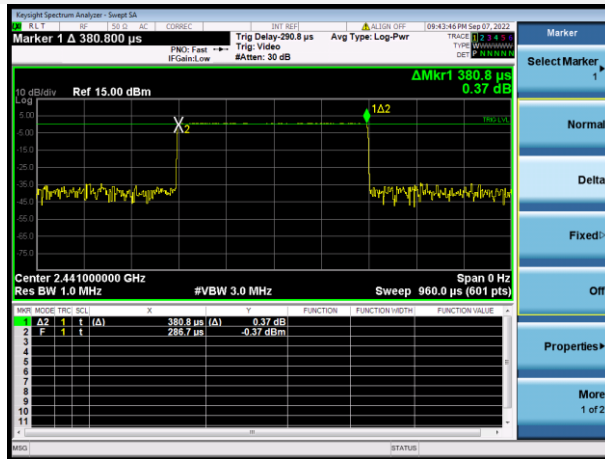
A.5 Average Time of Occupancy

Test Data

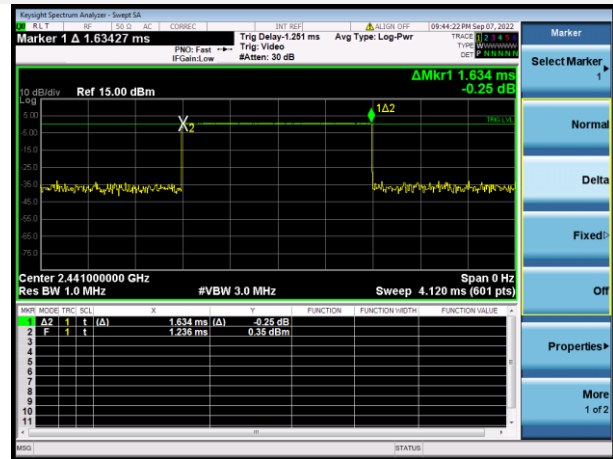
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38080	121.856	0.4	Pass
DH 3	1.63400	261.440	0.4	Pass
DH 5	2.87600	306.773	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38240	122.368	0.4	Pass
DH 3	1.63400	261.440	0.4	Pass
DH 5	2.88800	308.053	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38080	60.928	0.4	Pass
DH 3	1.63400	130.720	0.4	Pass
DH 5	2.88800	154.027	0.4	Pass

Test Plots

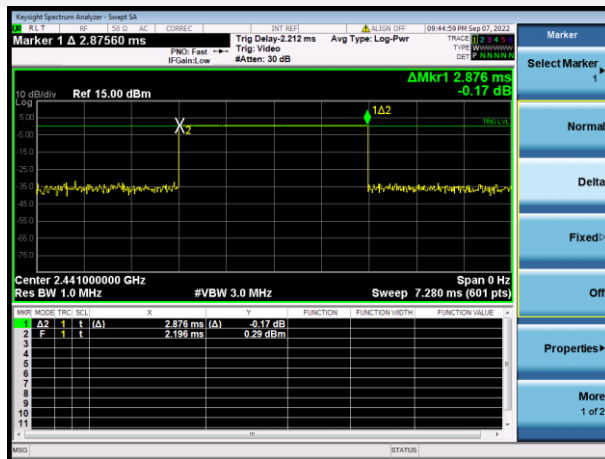
GFSK DH1



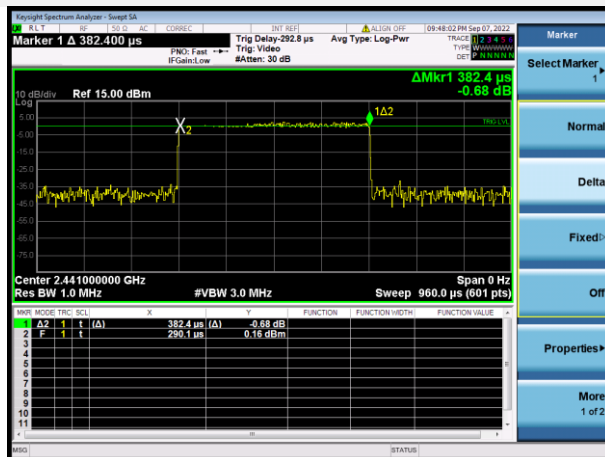
GFSK DH3



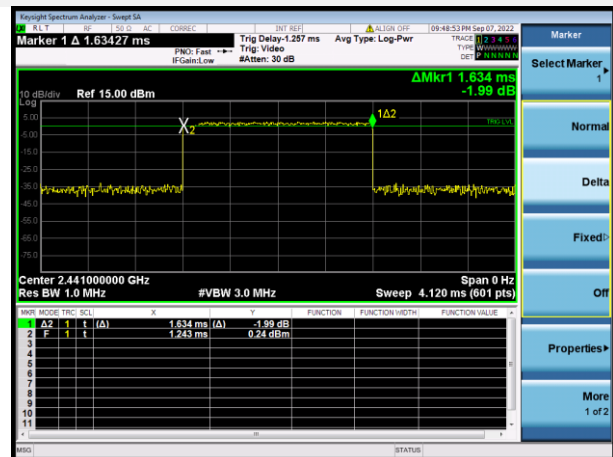
GFSK DH5



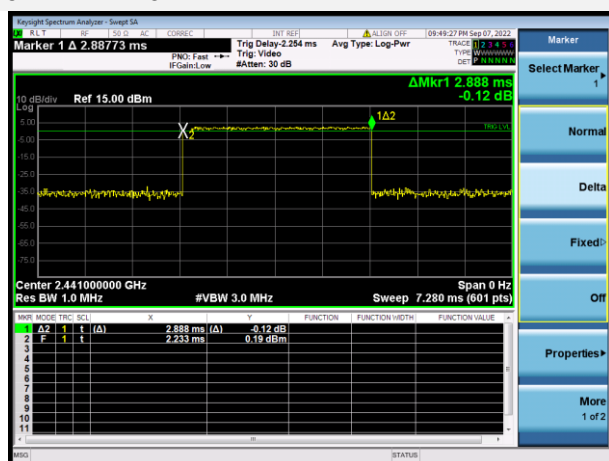
8-DPSK DH1



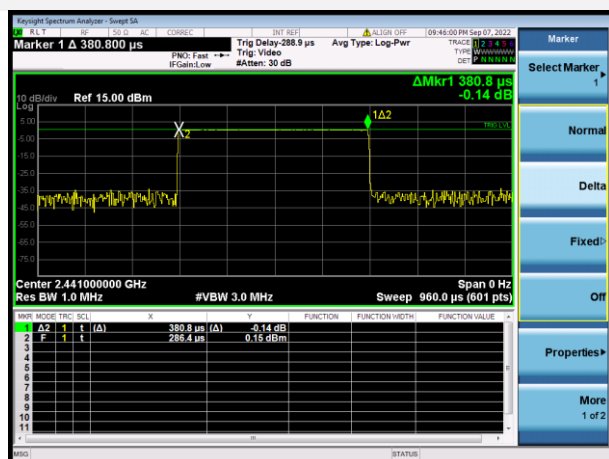
8-DPSK DH3



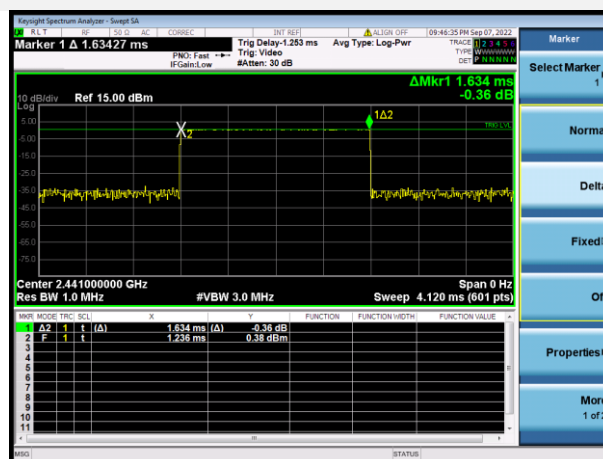
8-DPSK DH5



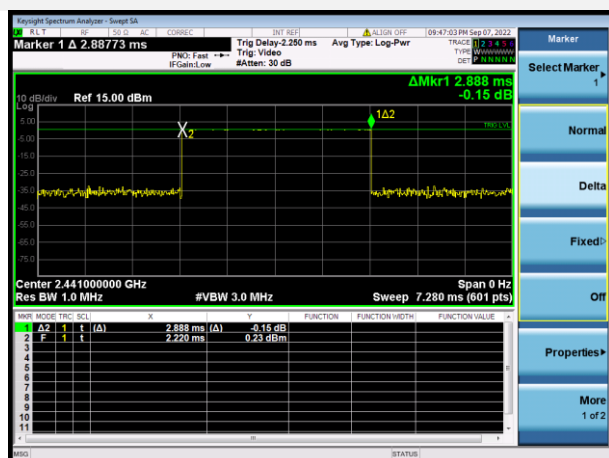
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



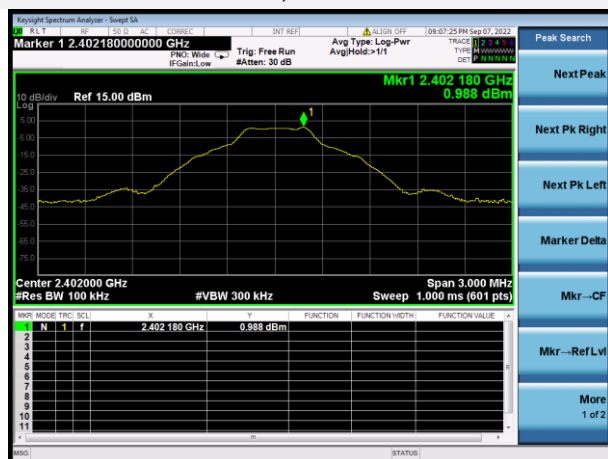
A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

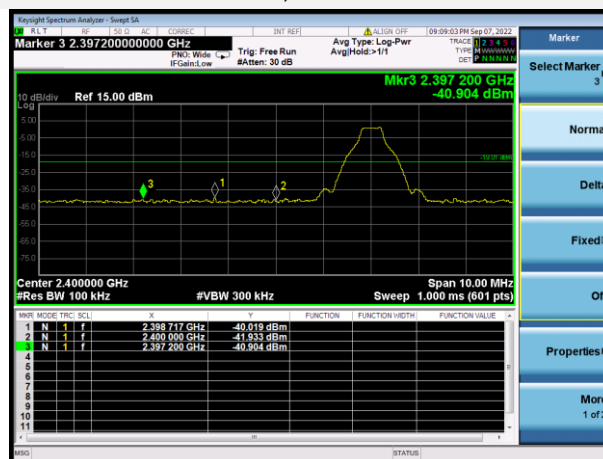
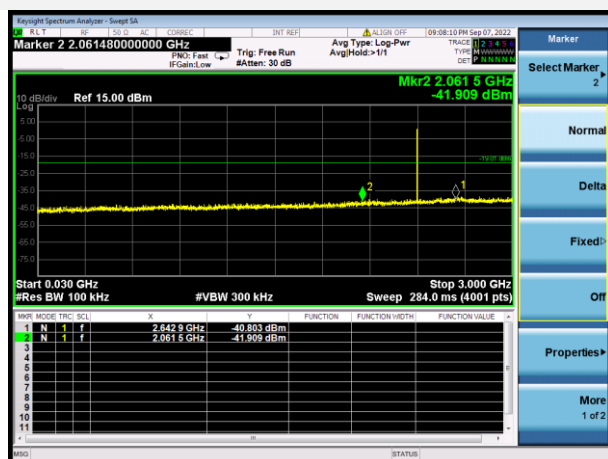
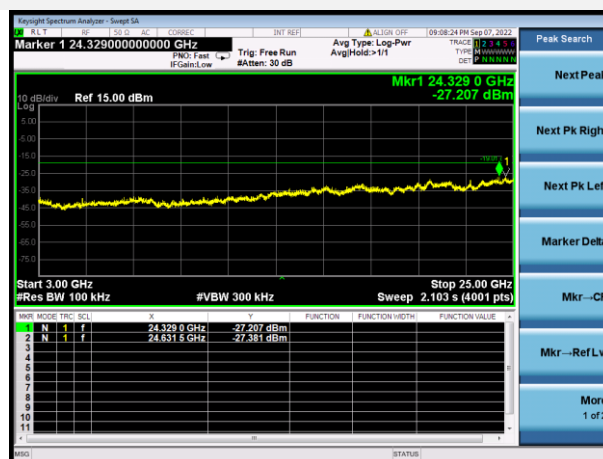
GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.21	0.99	-19.01	Pass
Middle	-26.56	-0.19	-20.19	Pass
High	-28.33	-0.75	-20.75	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.38	0.99	-19.01	Pass
Middle	-27.79	0.13	-19.87	Pass
High	-27.82	-0.95	-20.95	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-26.86	1.04	-18.96	Pass
8-DPSK	-27.89	0.44	-19.56	Pass

Test Plots

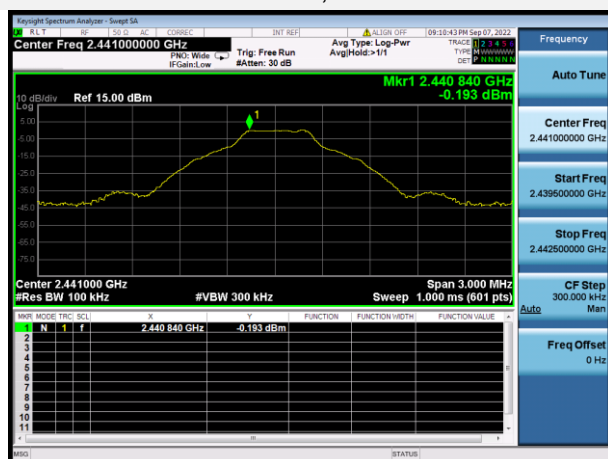
GFSK LOW CHANNEL, CARRIER LEVEL



GFSK LOW CHANNEL, BAND EDGE

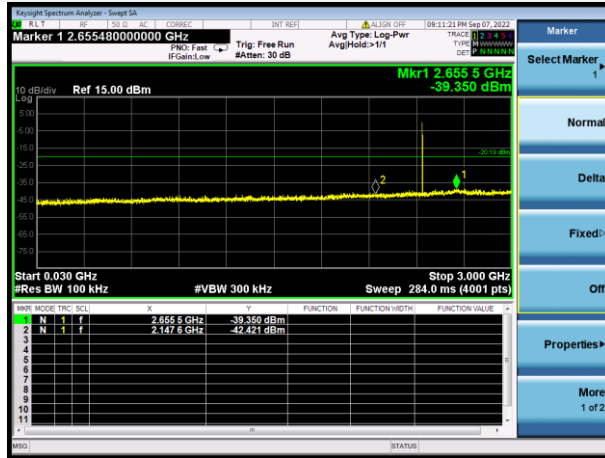
GFSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHzGFSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

GFSK MIDDLE CHANNEL, CARRIER LEVEL



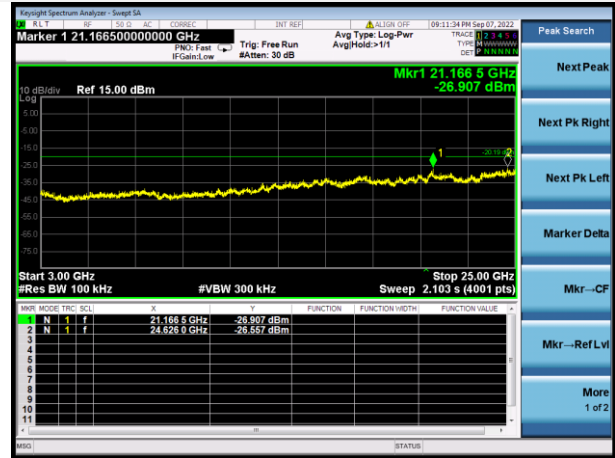
GFSK MIDDLE CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

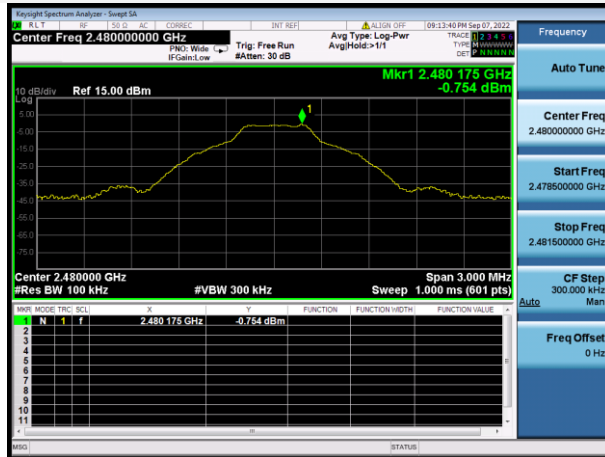


GFSK MIDDLE CHANNEL, SPURIOUS

3 GHz ~ 25 GHz



GFSK HIGH CHANNEL, CARRIER LEVEL

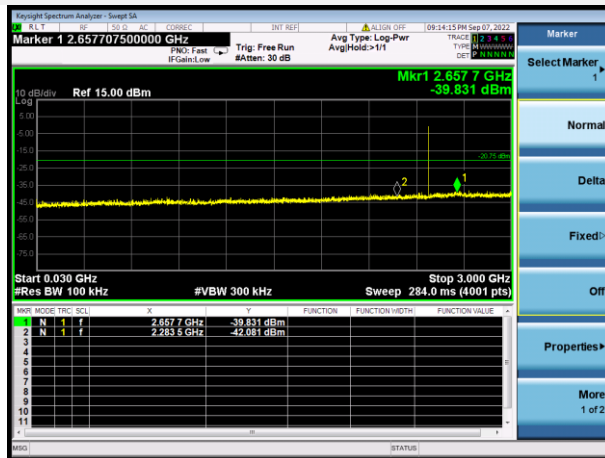


GFSK HIGH CHANNEL, BAND EDGE



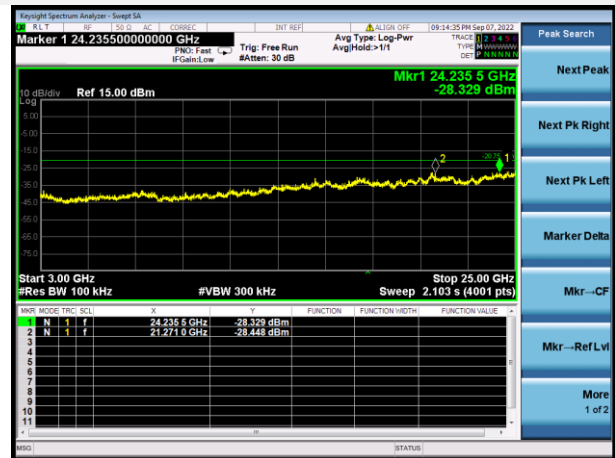
GFSK HIGH CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

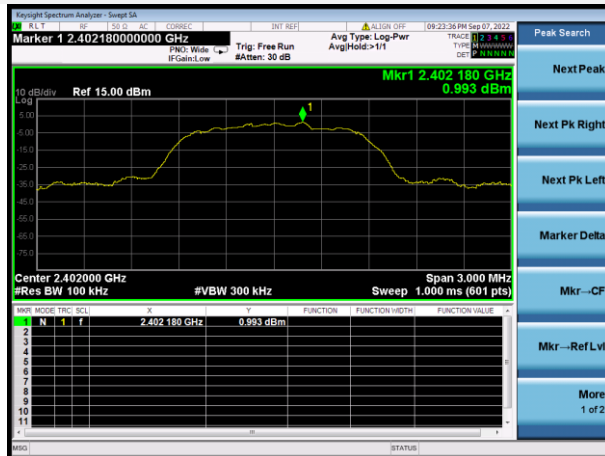


GFSK HIGH CHANNEL, SPURIOUS

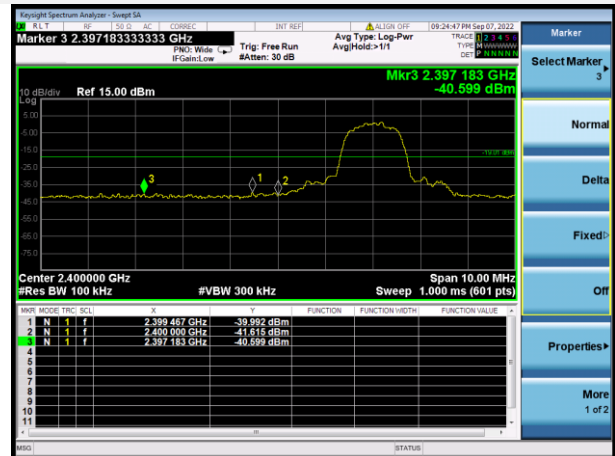
3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

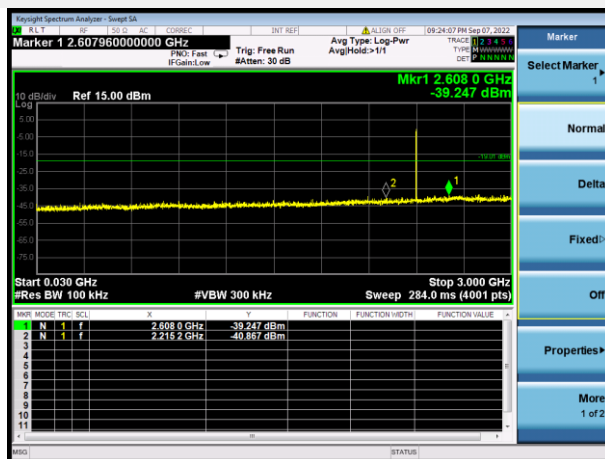


8-DPSK LOW CHANNEL, BAND EDGE



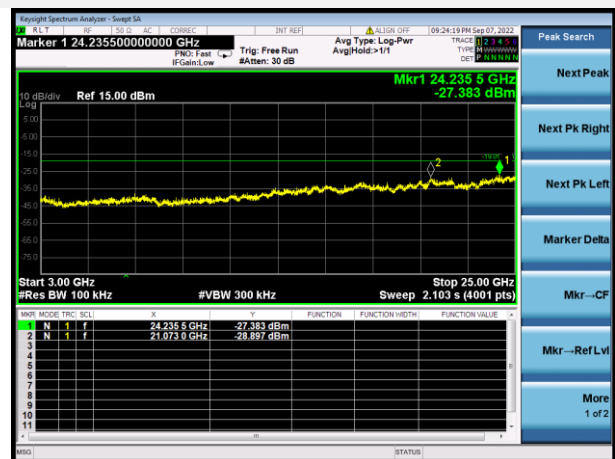
8-DPSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

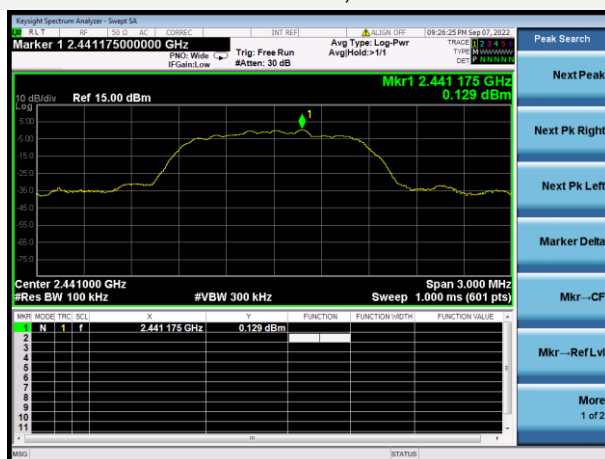


8-DPSK LOW CHANNEL, SPURIOUS

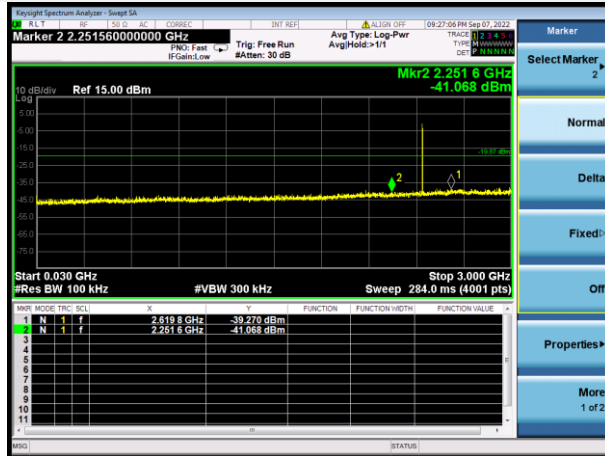
3 GHz ~ 25 GHz



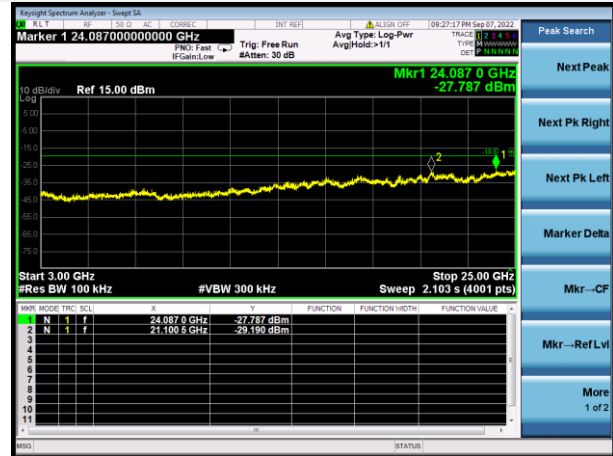
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



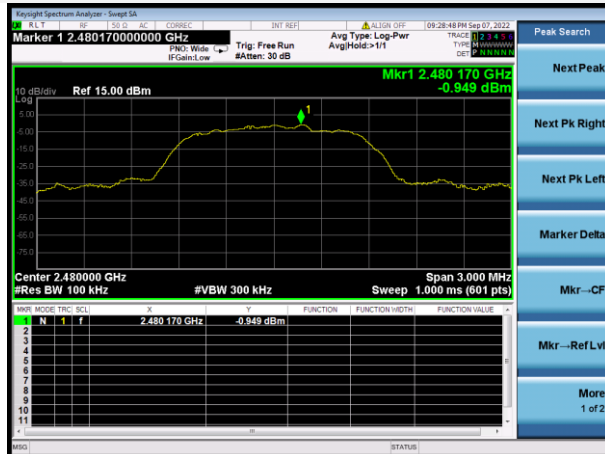
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



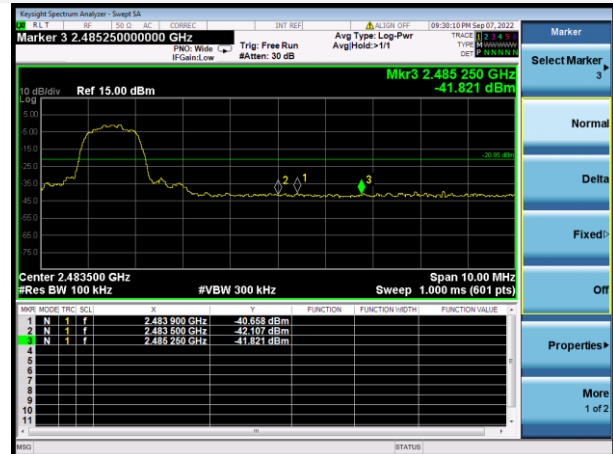
8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



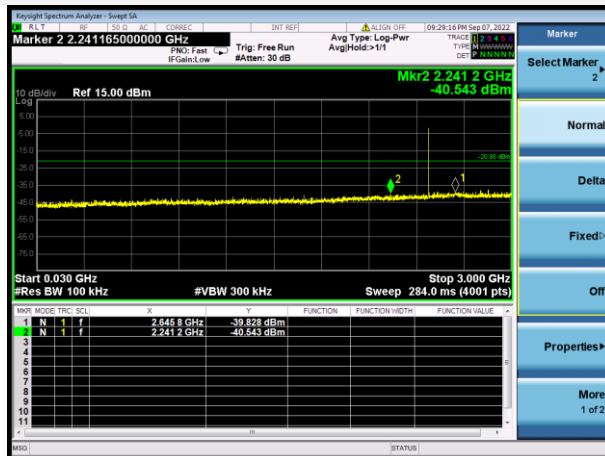
8-DPSK HIGH CHANNEL, CARRIER LEVEL



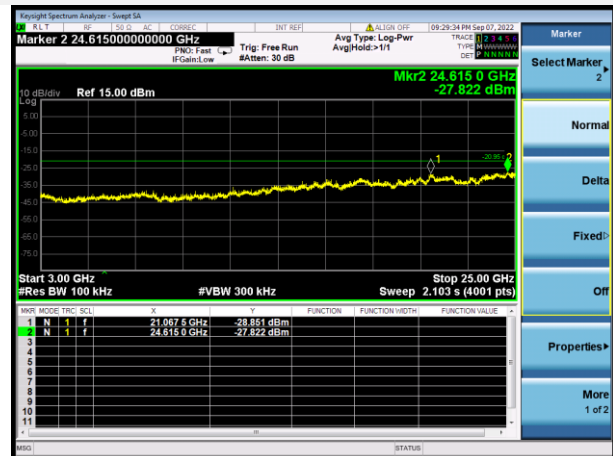
8-DPSK HIGH CHANNEL, BAND EDGE



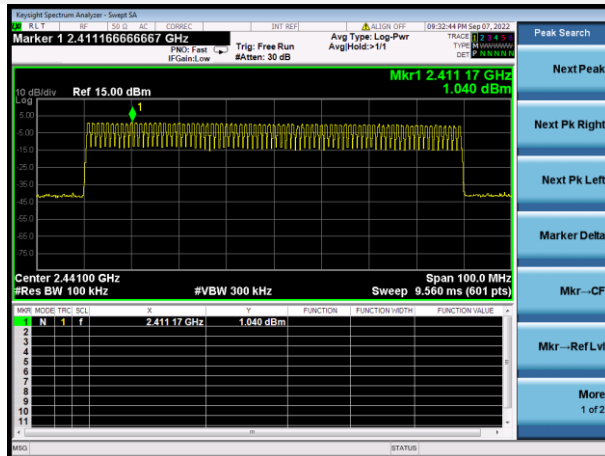
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



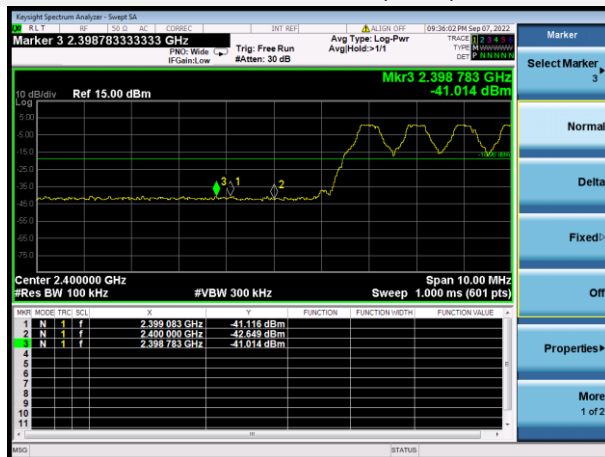
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



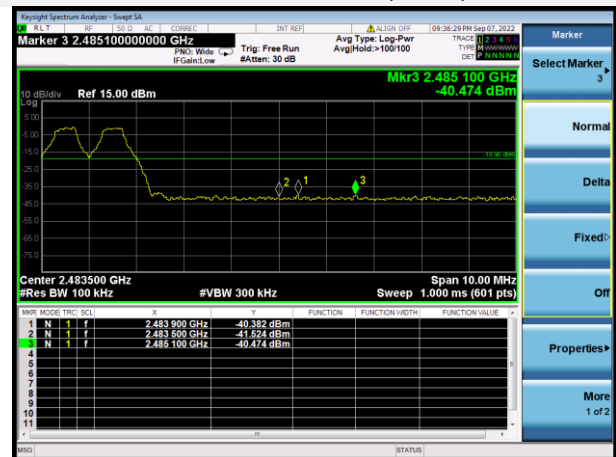
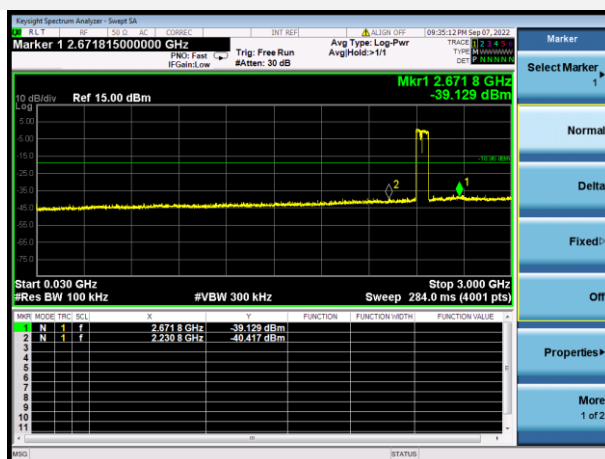
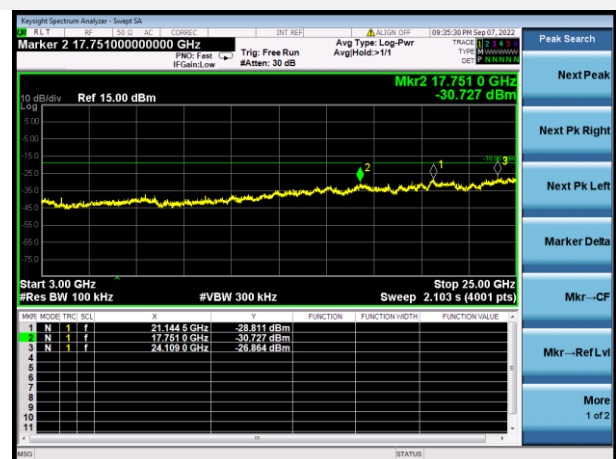
GFSK HOPPING, CARRIER LEVEL



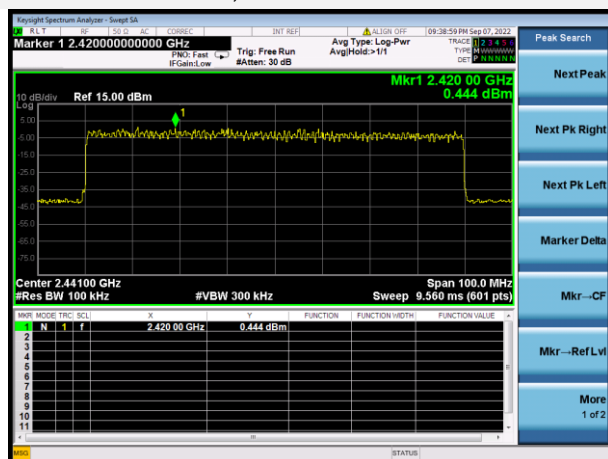
GFSK HOPPING BAND EDGE (LOW)



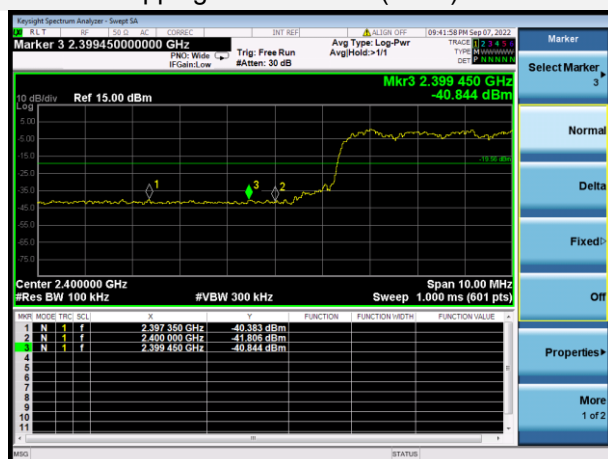
GFSK HOPPING BAND EDGE (HIGH)

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

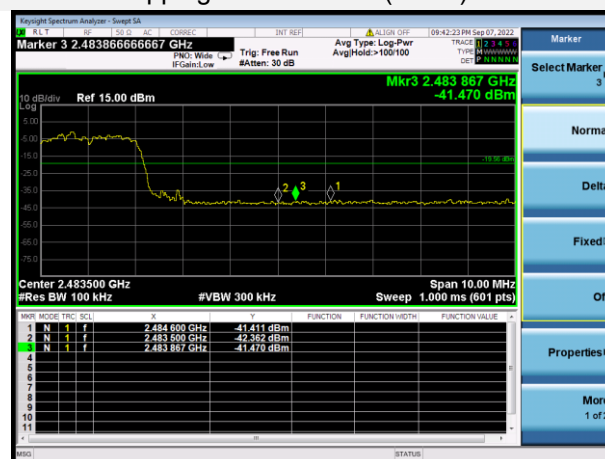
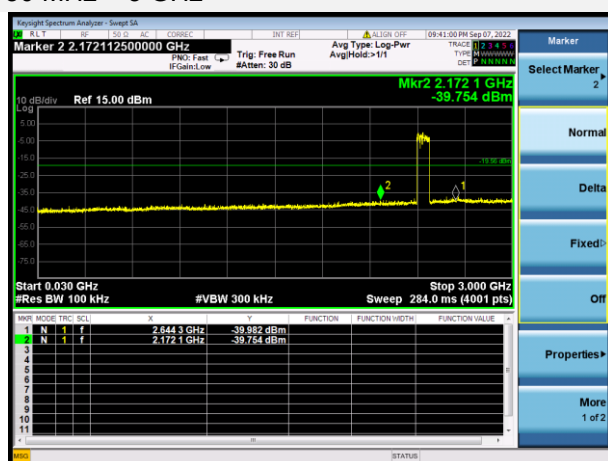
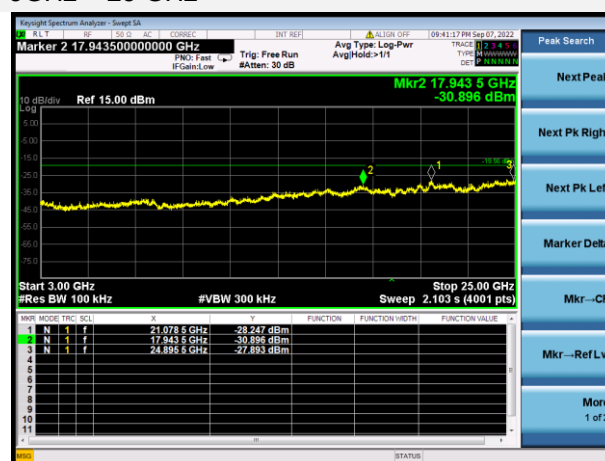
8-DPSK HOPPING, CARRIER LEVEL



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

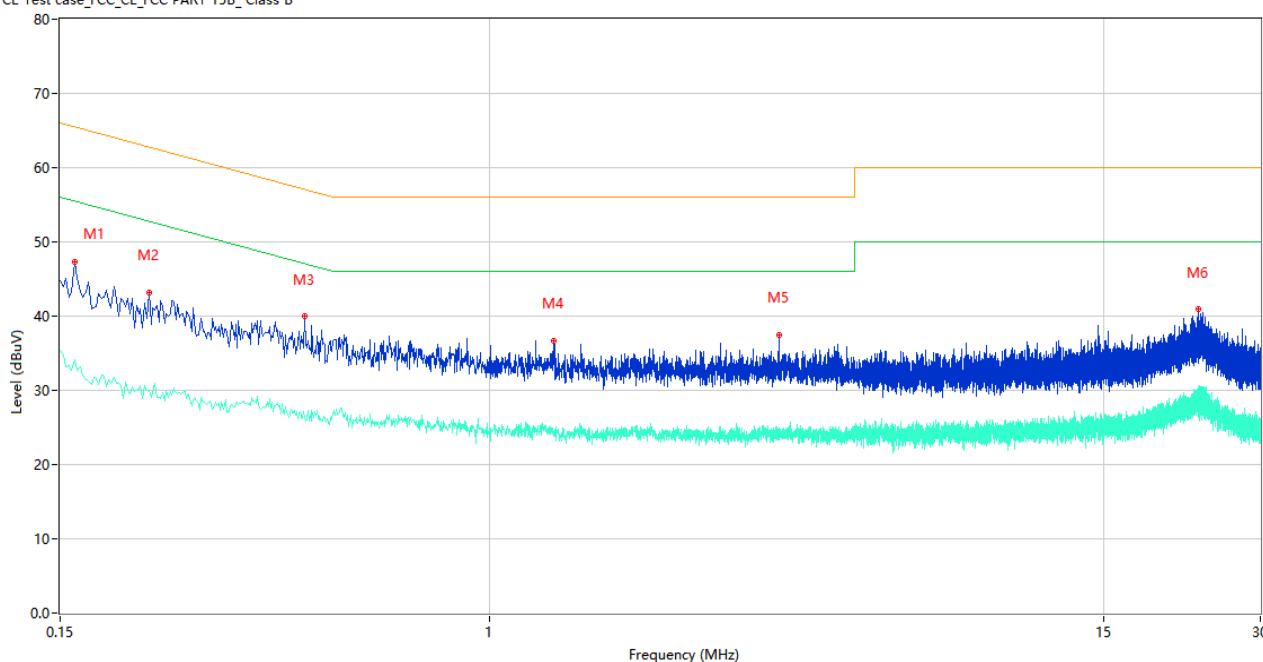
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

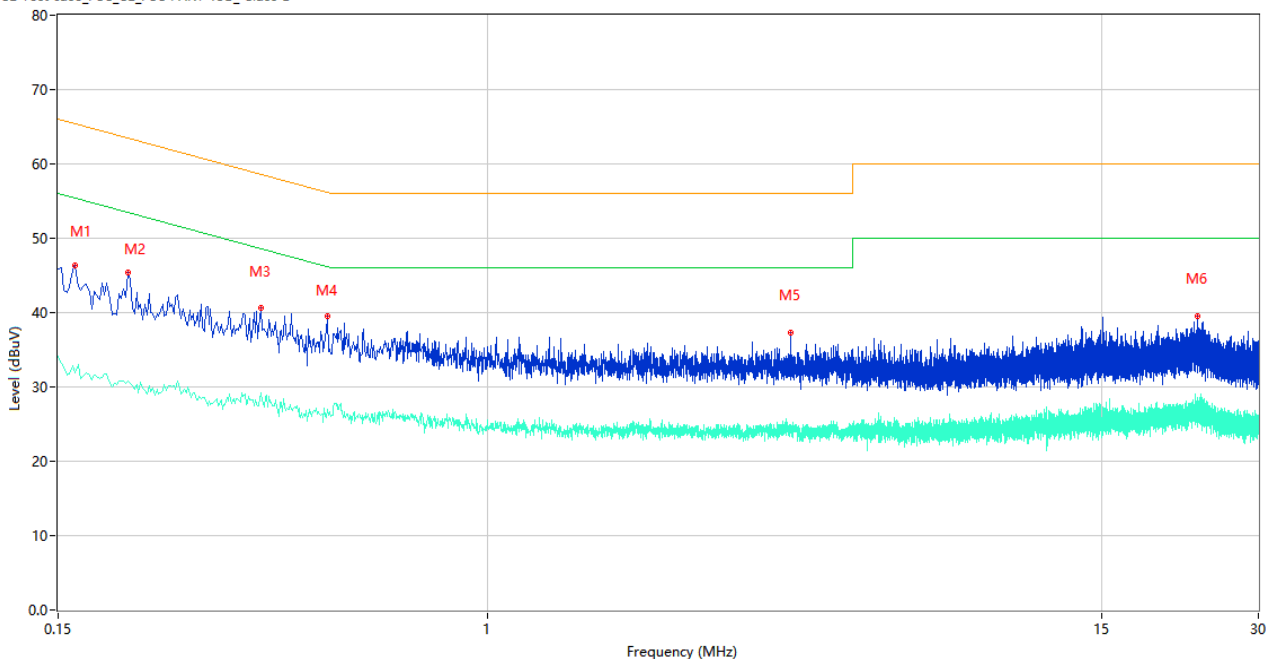
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.160	47.29	10.08	65.46	-18.17	Peak	L	Pass
1**	0.160	34.16	10.08	55.46	-21.30	AV	L	Pass
2	0.222	43.24	10.04	62.74	-19.50	Peak	L	Pass
2**	0.222	29.98	10.04	52.74	-22.76	AV	L	Pass
3	0.442	39.96	10.31	57.02	-17.06	Peak	L	Pass
3**	0.442	26.44	10.31	47.02	-20.58	AV	L	Pass
4	1.324	36.73	10.36	56.00	-19.27	Peak	L	Pass
4**	1.324	24.44	10.36	46.00	-21.56	AV	L	Pass
5	3.590	37.53	10.41	56.00	-18.47	Peak	L	Pass
5**	3.590	24.61	10.41	46.00	-21.39	AV	L	Pass
6	22.852	40.93	10.35	60.00	-19.07	Peak	L	Pass
6**	22.852	29.84	10.35	50.00	-20.16	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	0.162	46.33	10.08	65.36	-19.03	Peak	N	Pass
1**	0.162	31.94	10.08	55.36	-23.42	AV	N	Pass
2	0.204	45.46	10.05	63.45	-17.99	Peak	N	Pass
2**	0.204	30.73	10.05	53.45	-22.72	AV	N	Pass
3	0.368	40.62	10.89	58.55	-17.93	Peak	N	Pass
3**	0.368	29.26	10.89	48.55	-19.29	AV	N	Pass
4	0.492	39.57	10.18	56.13	-16.56	Peak	N	Pass
4**	0.492	27.06	10.18	46.13	-19.07	AV	N	Pass
5	3.800	37.32	10.39	56.00	-18.68	Peak	N	Pass
5**	3.800	24.87	10.39	46.00	-21.13	AV	N	Pass
6	22.974	39.58	10.33	60.00	-20.42	Peak	N	Pass
6**	22.974	28.58	10.33	50.00	-21.42	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.

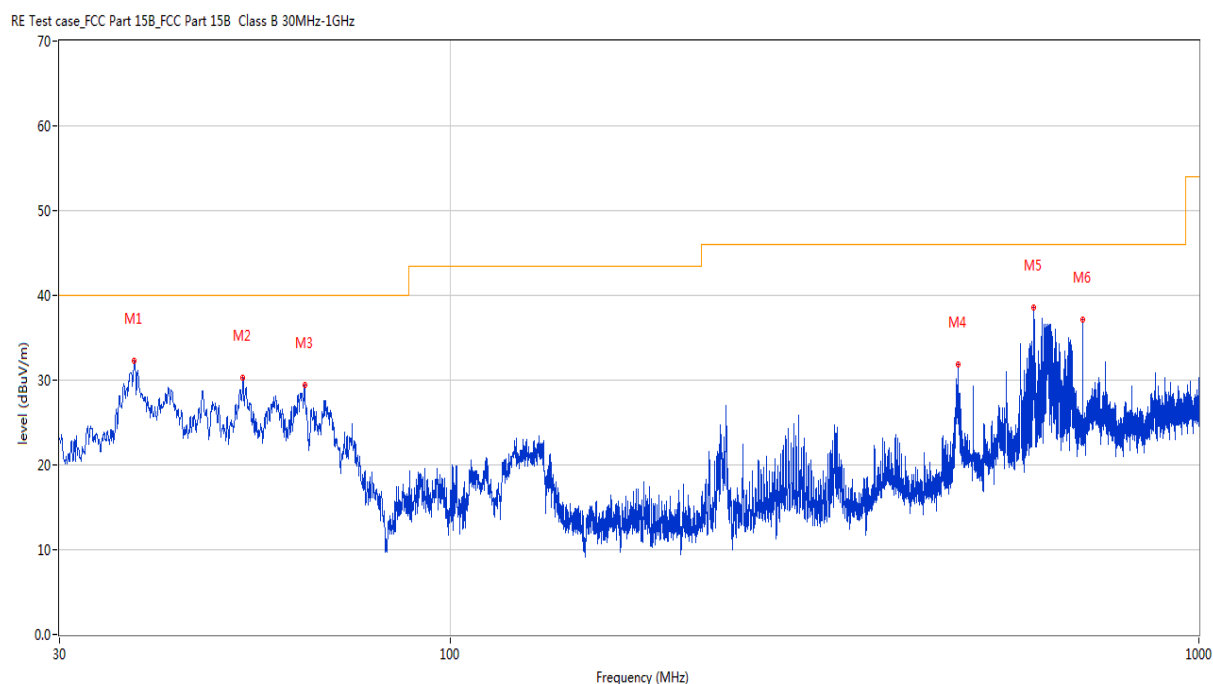
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

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

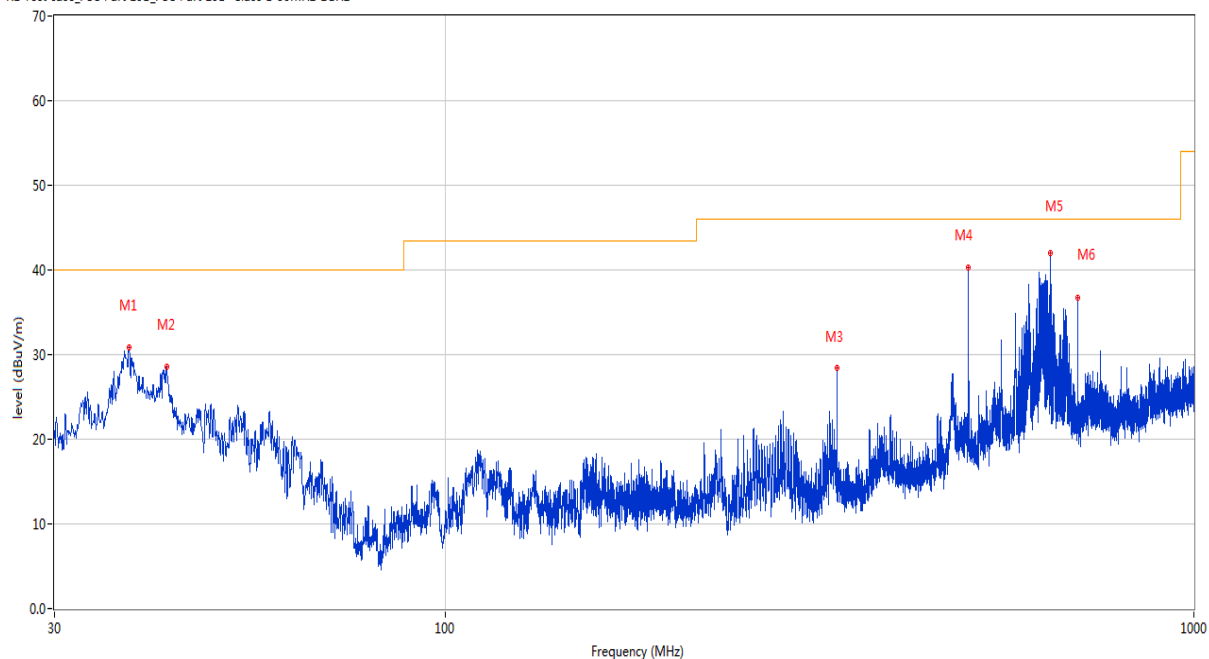
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.760	32.35	-24.52	40.0	-7.65	Peak	95.80	200	Horizontal	Pass
2	52.745	30.22	-23.05	40.0	-9.78	Peak	305.70	200	Horizontal	Pass
3	63.803	29.38	-24.90	40.0	-10.62	Peak	305.70	200	Horizontal	Pass
4	476.226	31.92	-17.17	46.0	-14.08	Peak	182.70	200	Horizontal	Pass
5	601.883	38.62	-14.57	46.0	-7.38	Peak	7.30	100	Horizontal	Pass
6	699.946	37.11	-13.67	46.0	-8.89	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



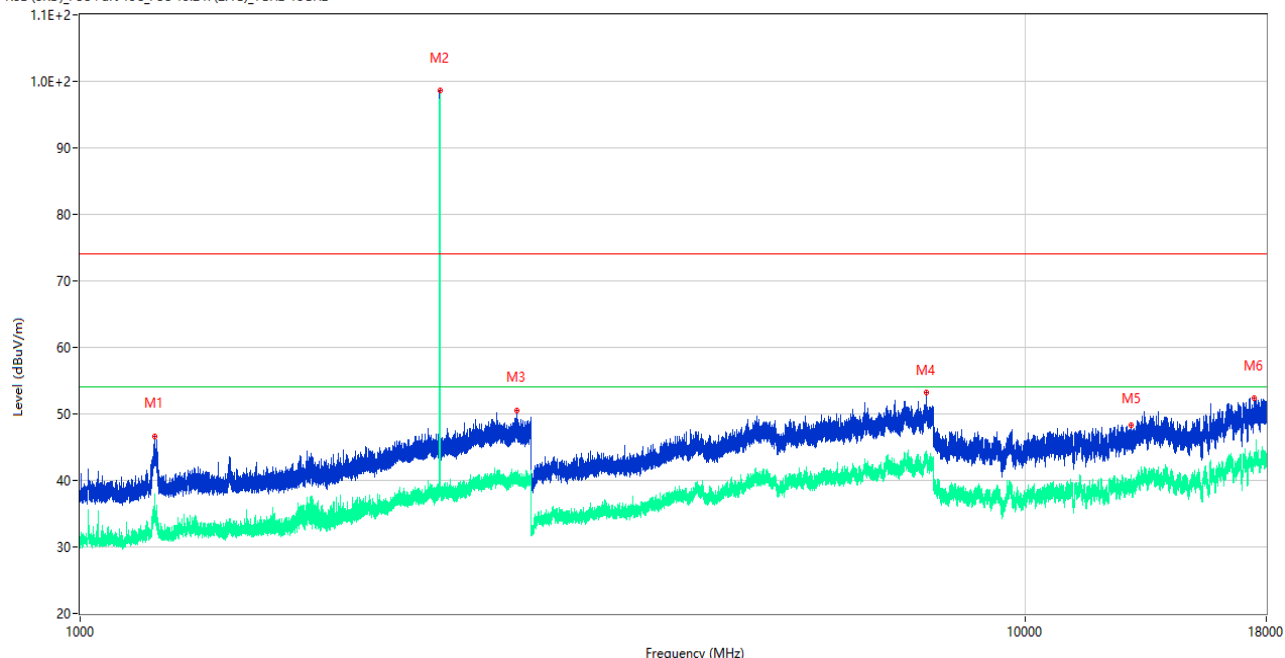
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.711	30.81	-24.53	40.0	-9.19	Peak	3.00	200	Vertical	Pass
2	42.367	28.50	-23.43	40.0	-11.50	Peak	3.00	100	Vertical	Pass
3	333.304	28.38	-20.40	46.0	-17.62	Peak	84.20	200	Vertical	Pass
4	499.942	40.35	-16.91	46.0	-5.65	Peak	1.80	100	Vertical	Pass
5	642.330	41.97	-13.44	46.0	-4.03	Peak	136.80	100	Vertical	Pass
6	699.994	36.72	-13.65	46.0	-9.28	Peak	0.40	100	Vertical	Pass

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

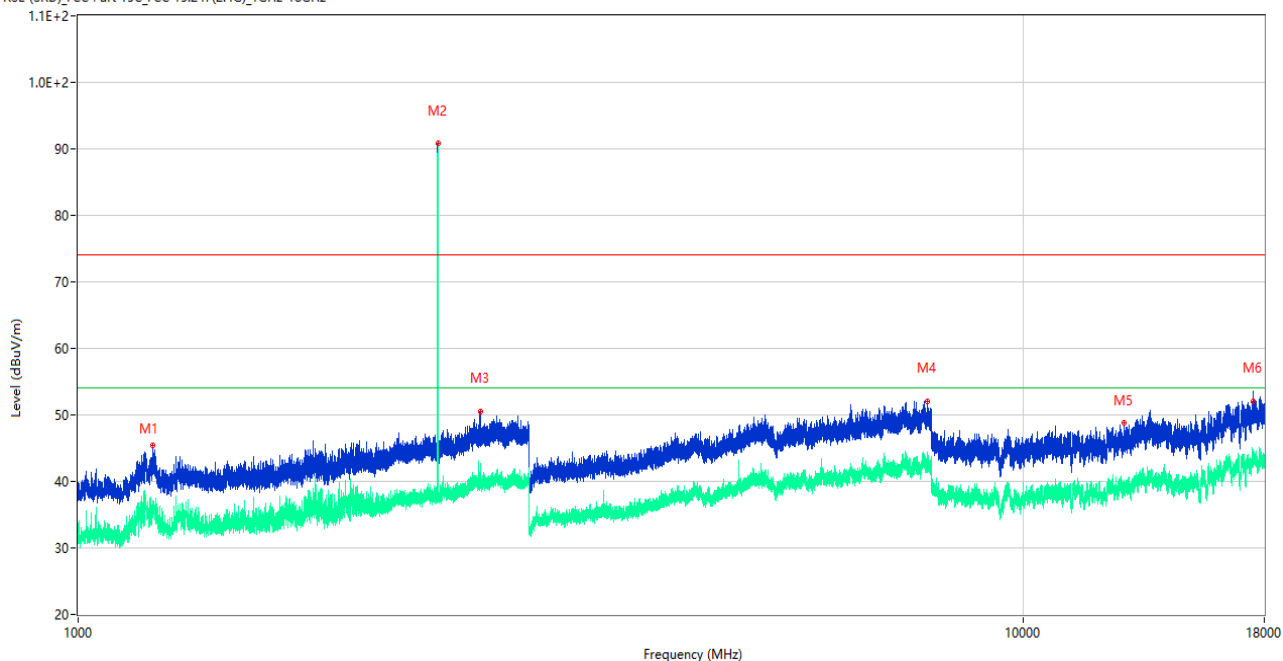
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.200	46.67	-17.95	74.0	-27.33	Peak	213.00	300	Horizontal	Pass
1**	1200.200	36.91	-17.95	54.0	-17.09	AV	213.00	300	Horizontal	Pass
2	2401.800	98.63	-13.35	--	--	Peak	82.00	100	Horizontal	N/A
2**	2401.800	97.87	-13.35	--	--	AV	82.00	100	Horizontal	N/A
3	2900.300	50.51	-10.38	74.0	-23.49	Peak	226.00	200	Horizontal	Pass
3**	2900.300	40.22	-10.38	54.0	-13.78	AV	226.00	200	Horizontal	Pass
4	7861.250	53.19	1.32	74.0	-20.81	Peak	131.00	400	Horizontal	Pass
4**	7861.250	43.35	1.32	54.0	-10.65	AV	131.00	400	Horizontal	Pass
5	12948.450	48.38	-1.65	74.0	-25.62	Peak	205.00	400	Horizontal	Pass
5**	12948.450	39.45	-1.65	54.0	-14.55	AV	205.00	400	Horizontal	Pass
6	17481.300	52.34	3.09	74.0	-21.66	Peak	266.00	400	Horizontal	Pass
6**	17481.300	42.89	3.09	54.0	-11.11	AV	266.00	400	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

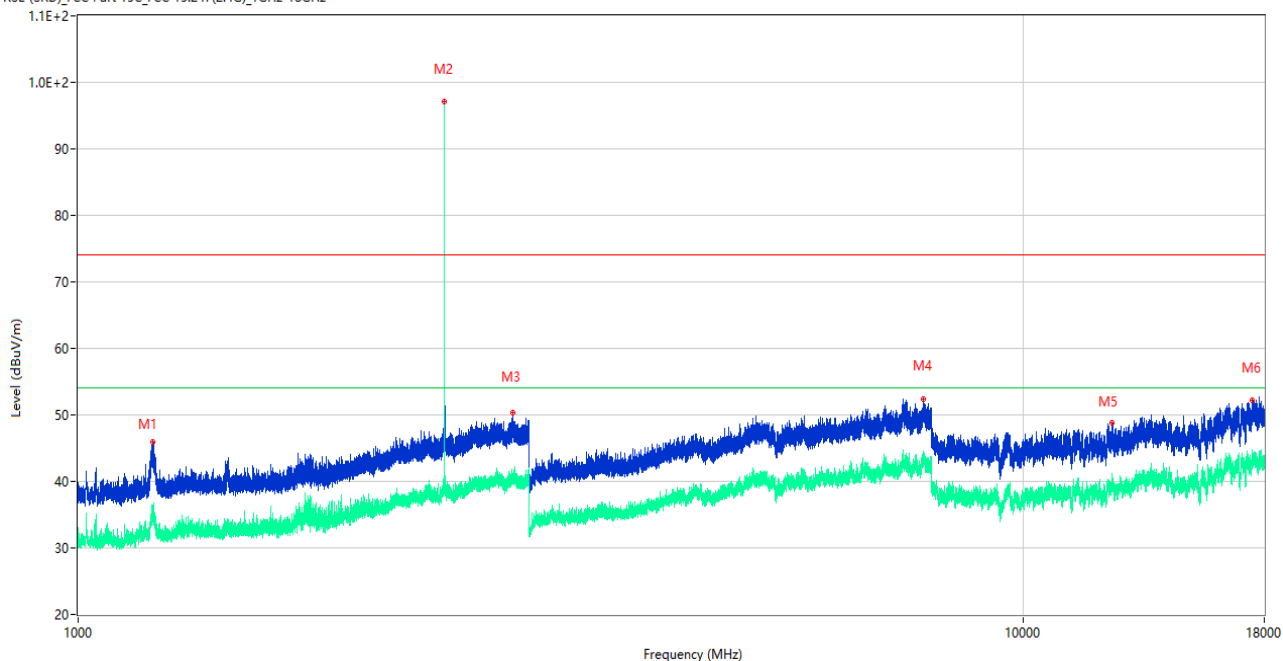
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.100	45.46	-17.95	74.0	-28.54	Peak	150.00	100	Vertical	Pass
1**	1200.100	35.40	-17.95	54.0	-18.60	AV	150.00	100	Vertical	Pass
2	2402.200	90.81	-13.33	--	--	Peak	11.00	100	Vertical	N/A
2**	2402.200	90.55	-13.33	--	--	AV	11.00	100	Vertical	N/A
3	2664.000	50.58	-12.46	74.0	-23.42	Peak	189.00	100	Vertical	Pass
3**	2664.000	42.70	-12.46	54.0	-11.30	AV	189.00	100	Vertical	Pass
4	7926.500	52.09	0.26	74.0	-21.91	Peak	60.00	300	Vertical	Pass
4**	7926.500	42.08	0.26	54.0	-11.92	AV	60.00	300	Vertical	Pass
5	12782.550	48.73	-2.17	74.0	-25.27	Peak	104.00	200	Vertical	Pass
5**	12782.550	39.20	-2.17	54.0	-14.80	AV	104.00	200	Vertical	Pass
6	17499.412	52.08	3.08	74.0	-21.92	Peak	339.00	100	Vertical	Pass
6**	17499.412	42.95	3.08	54.0	-11.05	AV	339.00	100	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

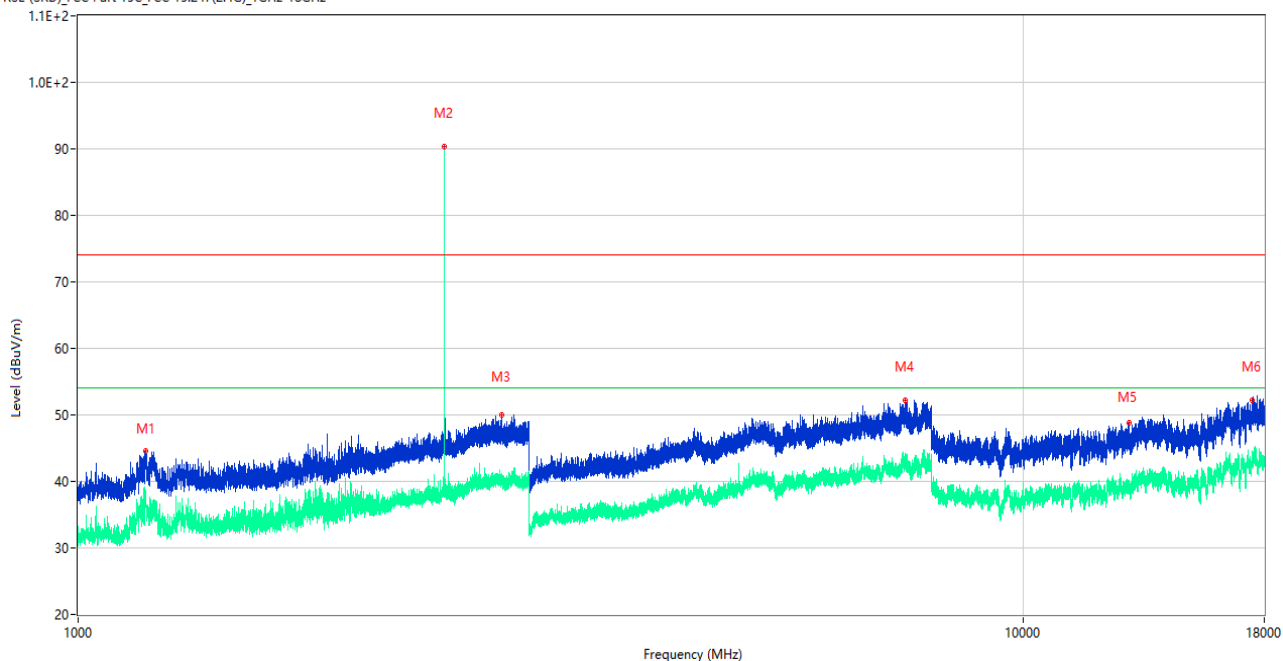
RSE (SRD) FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.200	45.85	-17.95	74.0	-28.15	Peak	168.00	400	Horizontal	Pass
1**	1200.200	36.17	-17.95	54.0	-17.83	AV	168.00	400	Horizontal	Pass
2	2441.200	97.04	-12.29	--	--	Peak	92.00	200	Horizontal	N/A
2**	2441.200	96.78	-12.29	--	--	AV	92.00	200	Horizontal	N/A
3	2886.100	50.30	-10.05	74.0	-23.70	Peak	177.00	100	Horizontal	Pass
3**	2886.100	40.57	-10.05	54.0	-13.43	AV	177.00	100	Horizontal	Pass
4	7843.000	52.37	1.54	74.0	-21.63	Peak	44.00	200	Horizontal	Pass
4**	7843.000	42.70	1.54	54.0	-11.30	AV	44.00	200	Horizontal	Pass
5	12433.175	48.85	-2.41	74.0	-25.15	Peak	307.00	200	Horizontal	Pass
5**	12433.175	40.96	-2.41	54.0	-13.04	AV	307.00	200	Horizontal	Pass
6	17476.575	52.12	3.09	74.0	-21.88	Peak	141.00	200	Horizontal	Pass
6**	17476.575	43.19	3.09	54.0	-10.81	AV	141.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

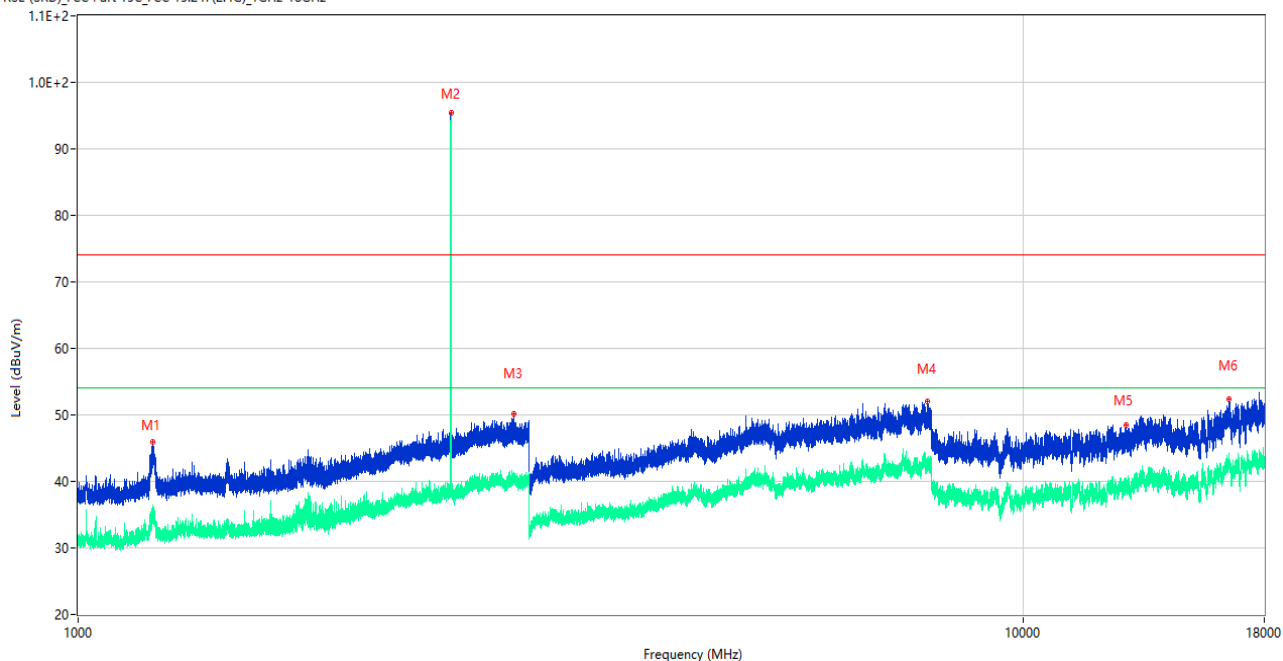
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1179.900	44.52	-17.97	74.0	-29.48	Peak	28.00	100	Vertical	Pass
1**	1179.900	37.84	-17.97	54.0	-16.16	AV	28.00	100	Vertical	Pass
2	2441.200	90.34	-12.29	--	--	Peak	114.00	200	Vertical	N/A
2**	2441.200	90.10	-12.29	--	--	AV	114.00	200	Vertical	N/A
3	2805.000	50.04	-10.89	74.0	-23.96	Peak	114.00	150	Vertical	Pass
3**	2805.000	39.83	-10.89	54.0	-14.17	AV	114.00	150	Vertical	Pass
4	7508.000	52.26	0.34	74.0	-21.74	Peak	131.00	300	Vertical	Pass
4**	7508.000	43.90	0.34	54.0	-10.10	AV	131.00	300	Vertical	Pass
5	12943.462	48.73	-1.67	74.0	-25.27	Peak	68.00	100	Vertical	Pass
5**	12943.462	39.04	-1.67	54.0	-14.96	AV	68.00	100	Vertical	Pass
6	17479.989	52.27	3.09	74.0	-21.73	Peak	118.00	300	Vertical	Pass
6**	17479.989	43.35	3.09	54.0	-10.65	AV	118.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

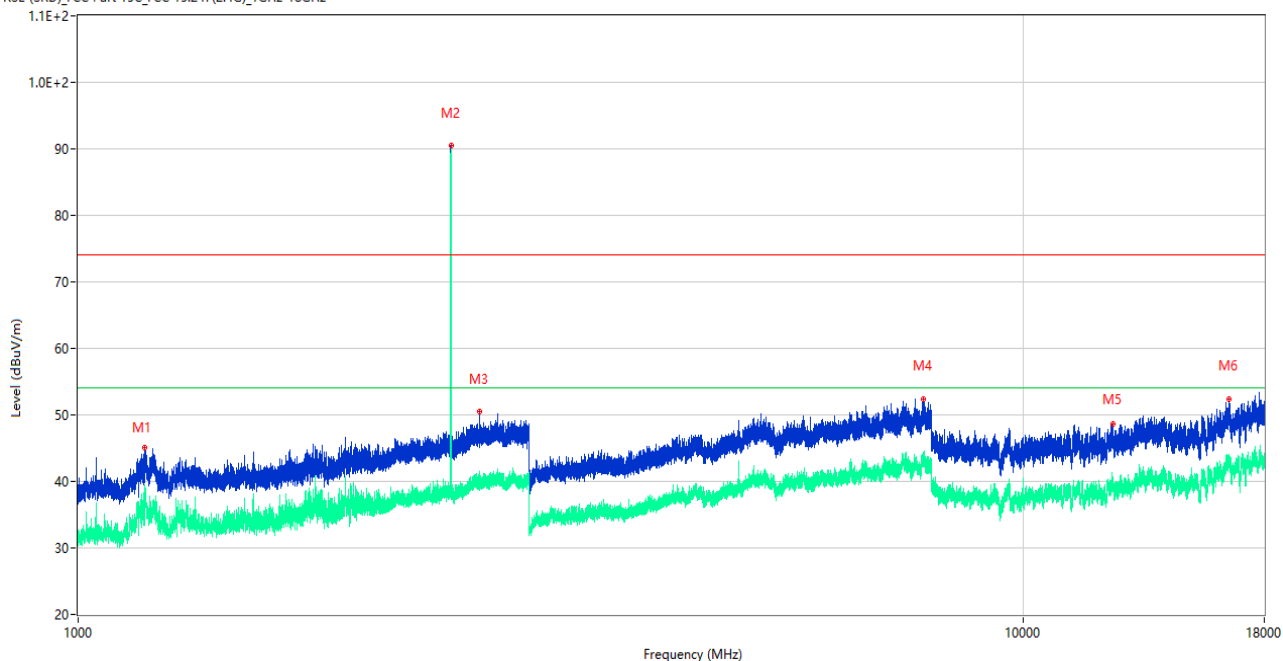
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.000	45.95	-17.94	74.0	-28.05	Peak	175.00	300	Horizontal	Pass
1**	1200.000	35.23	-17.94	54.0	-18.77	AV	175.00	300	Horizontal	Pass
2	2479.900	95.49	-13.07	--	--	Peak	266.00	200	Horizontal	N/A
2**	2479.900	94.92	-13.07	--	--	AV	266.00	200	Horizontal	N/A
3	2888.400	50.10	-10.23	74.0	-23.90	Peak	118.00	200	Horizontal	Pass
3**	2888.400	40.03	-10.23	54.0	-13.97	AV	118.00	200	Horizontal	Pass
4	7930.250	52.03	0.71	74.0	-21.97	Peak	45.00	300	Horizontal	Pass
4**	7930.250	43.11	0.71	54.0	-10.89	AV	45.00	300	Horizontal	Pass
5	12854.213	48.55	-2.08	74.0	-25.45	Peak	105.00	400	Horizontal	Pass
5**	12854.213	39.02	-2.08	54.0	-14.98	AV	105.00	400	Horizontal	Pass
6	16529.212	52.39	0.02	74.0	-21.61	Peak	105.00	200	Horizontal	Pass
6**	16529.212	44.29	0.02	54.0	-9.71	AV	105.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

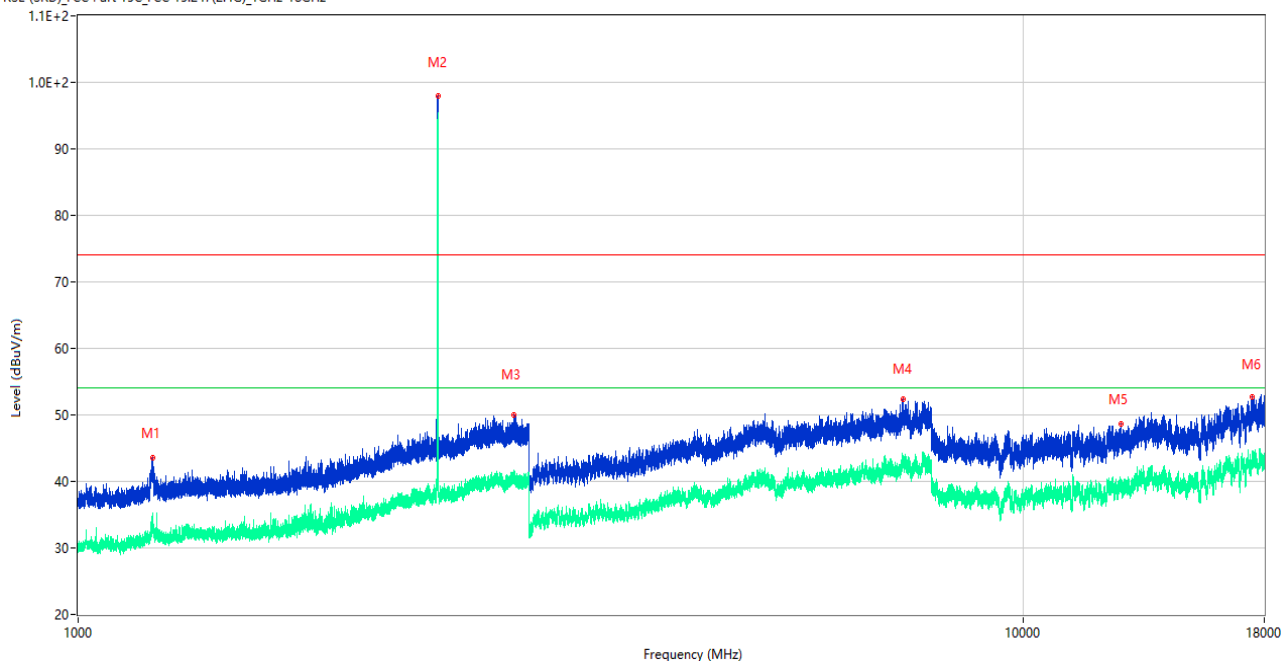
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1177.000	45.16	-17.88	74.0	-28.84	Peak	16.00	100	Vertical	Pass
1**	1177.000	38.42	-17.88	54.0	-15.58	AV	16.00	100	Vertical	Pass
2	2479.800	90.47	-13.06	--	--	Peak	184.00	100	Vertical	N/A
2**	2479.800	89.71	-13.06	--	--	AV	184.00	100	Vertical	N/A
3	2657.500	50.49	-12.48	74.0	-23.51	Peak	207.00	200	Vertical	Pass
3**	2657.500	40.49	-12.48	54.0	-13.51	AV	207.00	200	Vertical	Pass
4	7834.500	52.42	2.22	74.0	-21.58	Peak	43.00	400	Vertical	Pass
4**	7834.500	43.75	2.22	54.0	-10.25	AV	43.00	400	Vertical	Pass
5	12450.987	48.72	-2.16	74.0	-25.28	Peak	78.00	200	Vertical	Pass
5**	12450.987	39.09	-2.16	54.0	-14.91	AV	78.00	200	Vertical	Pass
6	16502.176	52.44	0.00	74.0	-21.56	Peak	15.00	100	Vertical	Pass
6**	16502.176	42.73	0.00	54.0	-11.27	AV	15.00	100	Vertical	Pass

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

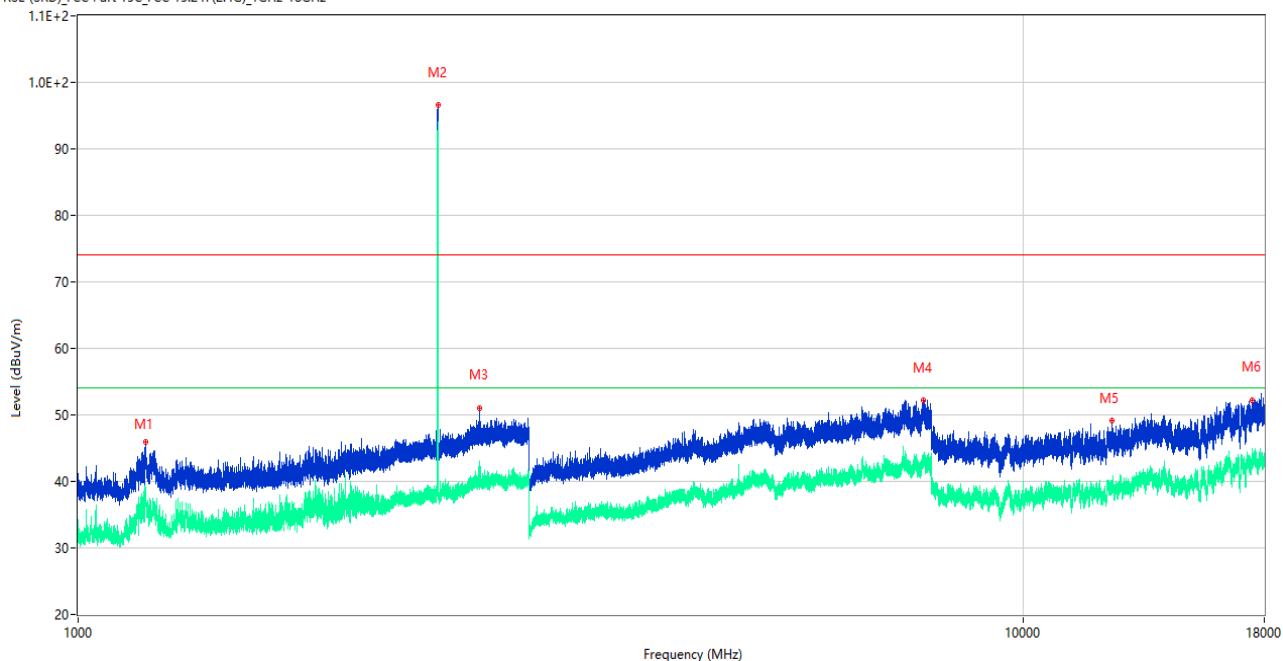
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.500	43.55	-17.90	74.0	-30.45	Peak	172.00	100	Horizontal	Pass
1**	1199.500	32.84	-17.90	54.0	-21.16	AV	172.00	100	Horizontal	Pass
2	2402.000	98.03	-13.34	--	--	Peak	85.00	200	Horizontal	N/A
2**	2402.000	95.43	-13.34	--	--	AV	85.00	200	Horizontal	N/A
3	2888.400	49.94	-10.23	74.0	-24.06	Peak	329.00	150	Horizontal	Pass
3**	2888.400	40.62	-10.23	54.0	-13.38	AV	329.00	150	Horizontal	Pass
4	7475.250	52.42	0.66	74.0	-21.58	Peak	360.00	400	Horizontal	Pass
4**	7475.250	42.25	0.66	54.0	-11.75	AV	360.00	400	Horizontal	Pass
5	12705.588	48.63	-2.35	74.0	-25.37	Peak	309.00	300	Horizontal	Pass
5**	12705.588	39.80	-2.35	54.0	-14.20	AV	309.00	300	Horizontal	Pass
6	17463.187	52.71	3.09	74.0	-21.29	Peak	53.00	400	Horizontal	Pass
6**	17463.187	42.66	3.09	54.0	-11.34	AV	53.00	400	Horizontal	Pass

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

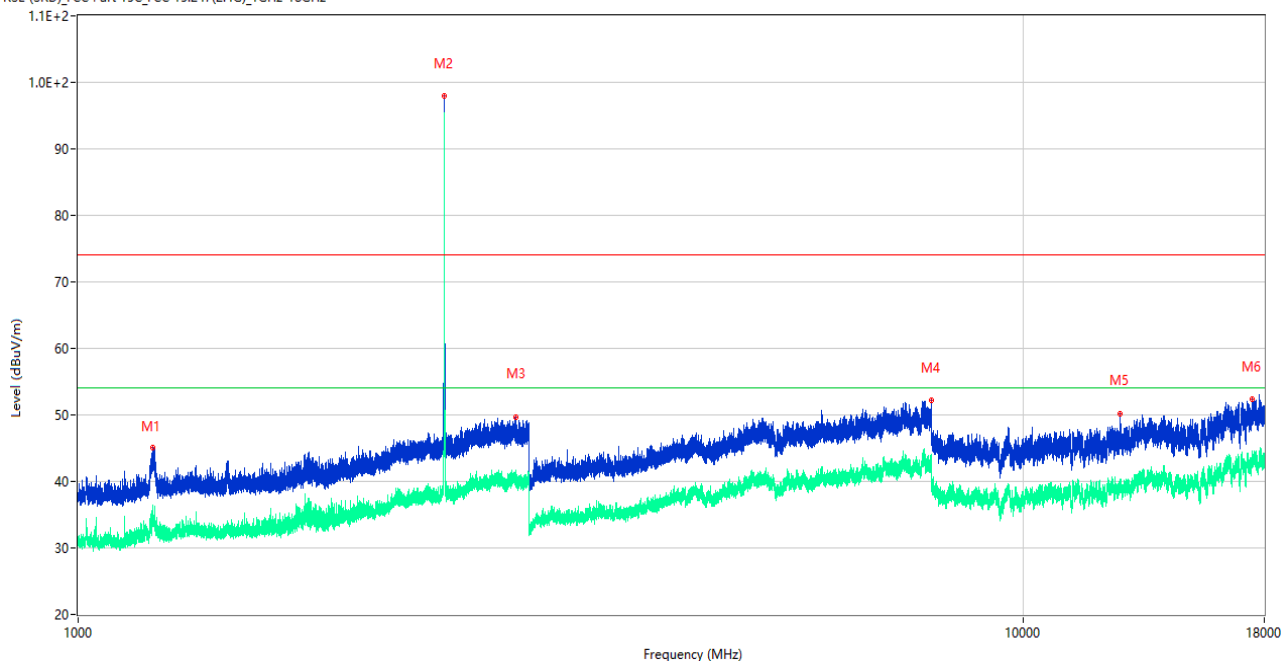
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1179.700	45.93	-17.97	74.0	-28.07	Peak	16.00	300	Vertical	Pass
1**	1179.700	38.09	-17.97	54.0	-15.91	AV	16.00	300	Vertical	Pass
2	2402.100	96.59	-13.33	--	--	Peak	74.00	100	Vertical	N/A
2**	2402.100	94.10	-13.33	--	--	AV	74.00	100	Vertical	N/A
3	2661.400	51.07	-12.53	74.0	-22.93	Peak	359.00	150	Vertical	Pass
3**	2661.400	39.55	-12.53	54.0	-14.45	AV	359.00	150	Vertical	Pass
4	7837.500	52.18	2.05	74.0	-21.82	Peak	2.00	100	Vertical	Pass
4**	7837.500	43.07	2.05	54.0	-10.93	AV	2.00	100	Vertical	Pass
5	12428.900	49.12	-2.47	74.0	-24.88	Peak	273.00	300	Vertical	Pass
5**	12428.900	39.72	-2.47	54.0	-14.28	AV	273.00	300	Vertical	Pass
6	17484.188	52.29	3.09	74.0	-21.71	Peak	56.00	100	Vertical	Pass
6**	17484.188	43.78	3.09	54.0	-10.22	AV	56.00	100	Vertical	Pass

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

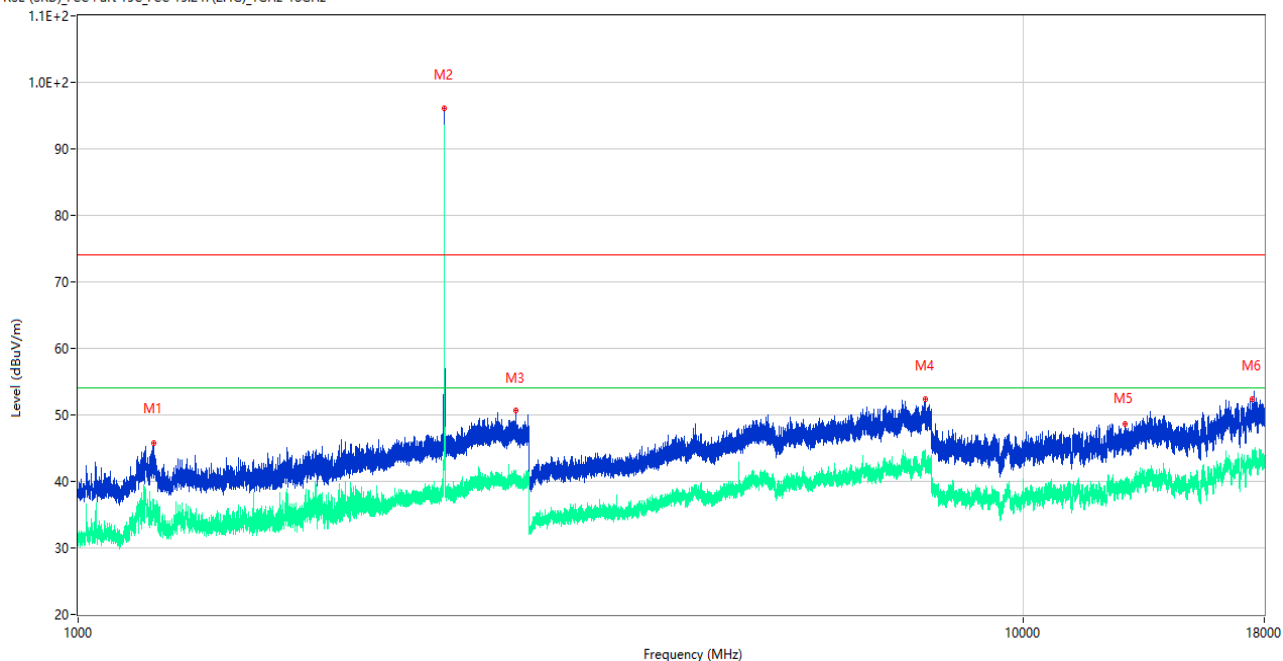
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.800	45.07	-17.84	74.0	-28.93	Peak	175.00	300	Horizontal	Pass
1**	1198.800	33.86	-17.84	54.0	-20.14	AV	175.00	300	Horizontal	Pass
2	2440.900	97.96	-12.31	--	--	Peak	104.00	100	Horizontal	N/A
2**	2440.900	95.05	-12.31	--	--	AV	104.00	100	Horizontal	N/A
3	2904.800	49.58	-10.39	74.0	-24.42	Peak	353.00	200	Horizontal	Pass
3**	2904.800	40.28	-10.39	54.0	-13.72	AV	353.00	200	Horizontal	Pass
4	7998.500	52.18	0.50	74.0	-21.82	Peak	63.00	100	Horizontal	Pass
4**	7998.500	42.18	0.50	54.0	-11.82	AV	63.00	100	Horizontal	Pass
5	12659.512	50.19	-2.31	74.0	-23.81	Peak	299.00	300	Horizontal	Pass
5**	12659.512	39.40	-2.31	54.0	-14.60	AV	299.00	300	Horizontal	Pass
6	17476.837	52.32	3.09	74.0	-21.68	Peak	0.00	200	Horizontal	Pass
6**	17476.837	43.52	3.09	54.0	-10.48	AV	0.00	200	Horizontal	Pass

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

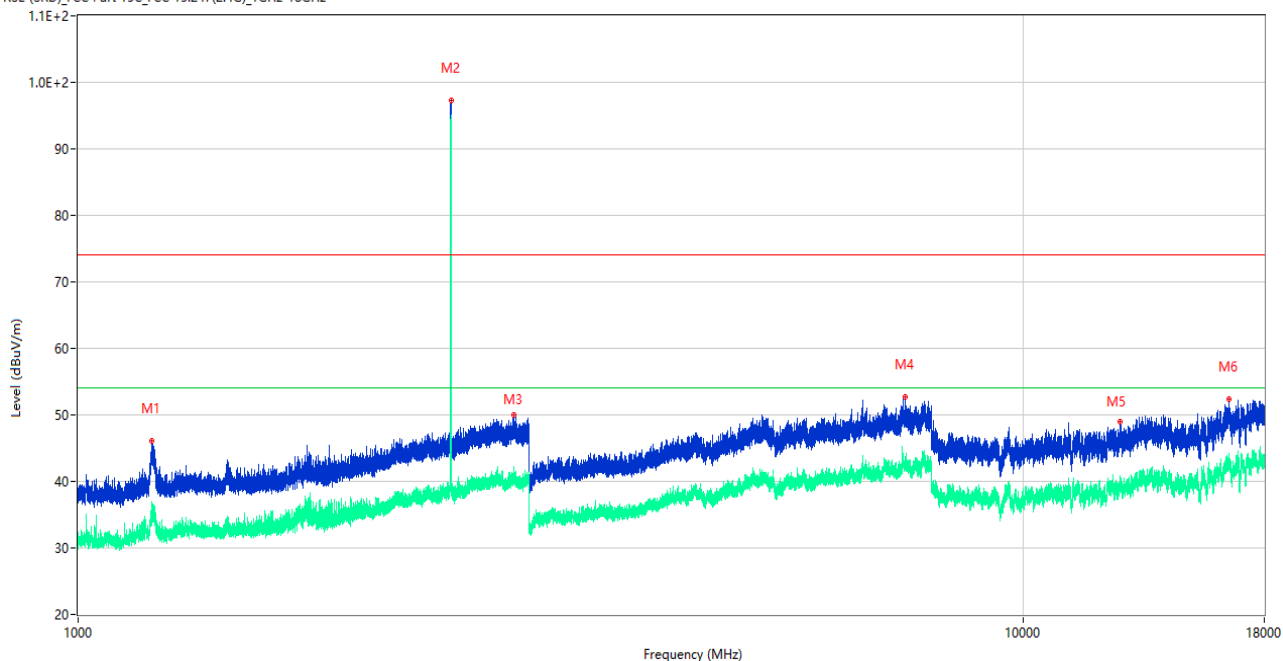
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.900	45.73	-17.88	74.0	-28.27	Peak	355.00	400	Vertical	Pass
1**	1201.900	36.40	-17.88	54.0	-17.60	AV	355.00	400	Vertical	Pass
2	2441.000	96.11	-12.31	--	--	Peak	114.00	200	Vertical	N/A
2**	2441.000	93.37	-12.31	--	--	AV	114.00	200	Vertical	N/A
3	2908.800	50.64	-10.76	74.0	-23.36	Peak	133.00	100	Vertical	Pass
3**	2908.800	39.77	-10.76	54.0	-14.23	AV	133.00	100	Vertical	Pass
4	7880.000	52.41	2.21	74.0	-21.59	Peak	97.00	300	Vertical	Pass
4**	7880.000	42.49	2.21	54.0	-11.51	AV	97.00	300	Vertical	Pass
5	12832.687	48.70	-2.07	74.0	-25.30	Peak	168.00	100	Vertical	Pass
5**	12832.687	38.36	-2.07	54.0	-15.64	AV	168.00	100	Vertical	Pass
6	17481.562	52.39	3.09	74.0	-21.61	Peak	68.00	300	Vertical	Pass
6**	17481.562	43.30	3.09	54.0	-10.70	AV	68.00	300	Vertical	Pass

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

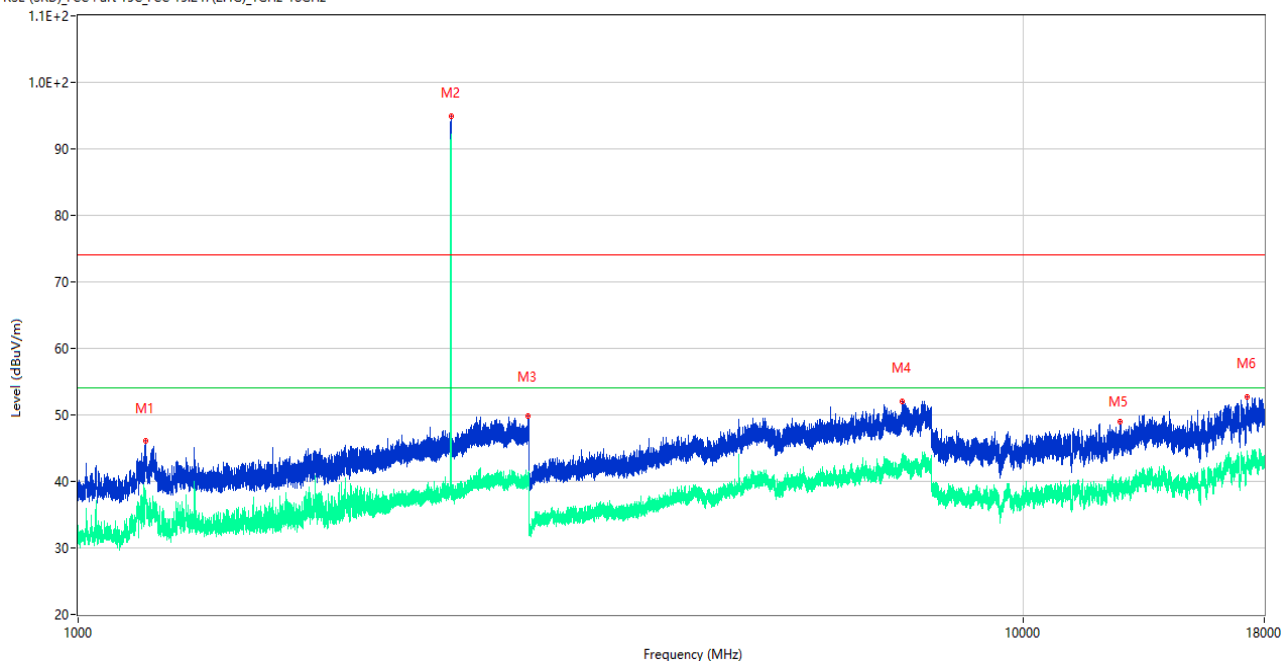
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.700	46.05	-17.88	74.0	-27.95	Peak	175.00	200	Horizontal	Pass
1**	1197.700	36.90	-17.88	54.0	-17.10	AV	175.00	200	Horizontal	Pass
2	2480.000	97.24	-13.08	--	--	Peak	263.00	100	Horizontal	N/A
2**	2480.000	94.82	-13.08	--	--	AV	263.00	100	Horizontal	N/A
3	2890.900	50.05	-10.00	74.0	-23.95	Peak	136.00	100	Horizontal	Pass
3**	2890.900	40.54	-10.00	54.0	-13.46	AV	136.00	100	Horizontal	Pass
4	7510.000	52.67	0.55	74.0	-21.33	Peak	107.00	300	Horizontal	Pass
4**	7510.000	43.46	0.55	54.0	-10.54	AV	107.00	300	Horizontal	Pass
5	12668.063	48.95	-2.31	74.0	-25.05	Peak	236.00	300	Horizontal	Pass
5**	12668.063	39.62	-2.31	54.0	-14.38	AV	236.00	300	Horizontal	Pass
6	16522.386	52.31	0.01	74.0	-21.69	Peak	254.00	300	Horizontal	Pass
6**	16522.386	42.94	0.01	54.0	-11.06	AV	254.00	300	Horizontal	Pass

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

RSE (SRD)_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	1179.300	46.04	-17.97	74.0	-27.96	Peak	25.00	400	Vertical	Pass
1**	1179.300	37.42	-17.97	54.0	-16.58	AV	25.00	400	Vertical	Pass
2	2480.000	94.96	-13.08	--	--	Peak	118.00	200	Vertical	N/A
2**	2480.000	91.84	-13.08	--	--	AV	118.00	200	Vertical	N/A
3	2989.900	49.82	-10.61	74.0	-24.18	Peak	348.00	150	Vertical	Pass
3**	2989.900	40.24	-10.61	54.0	-13.76	AV	348.00	150	Vertical	Pass
4	7453.500	52.12	1.06	74.0	-21.88	Peak	314.00	300	Vertical	Pass
4**	7453.500	43.48	1.06	54.0	-10.52	AV	314.00	300	Vertical	Pass
5	12661.175	49.04	-2.31	74.0	-24.96	Peak	227.00	200	Vertical	Pass
5**	12661.175	40.25	-2.31	54.0	-13.75	AV	227.00	200	Vertical	Pass
6	17284.162	52.77	1.99	74.0	-21.23	Peak	93.00	400	Vertical	Pass
6**	17284.162	42.65	1.99	54.0	-11.35	AV	93.00	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.

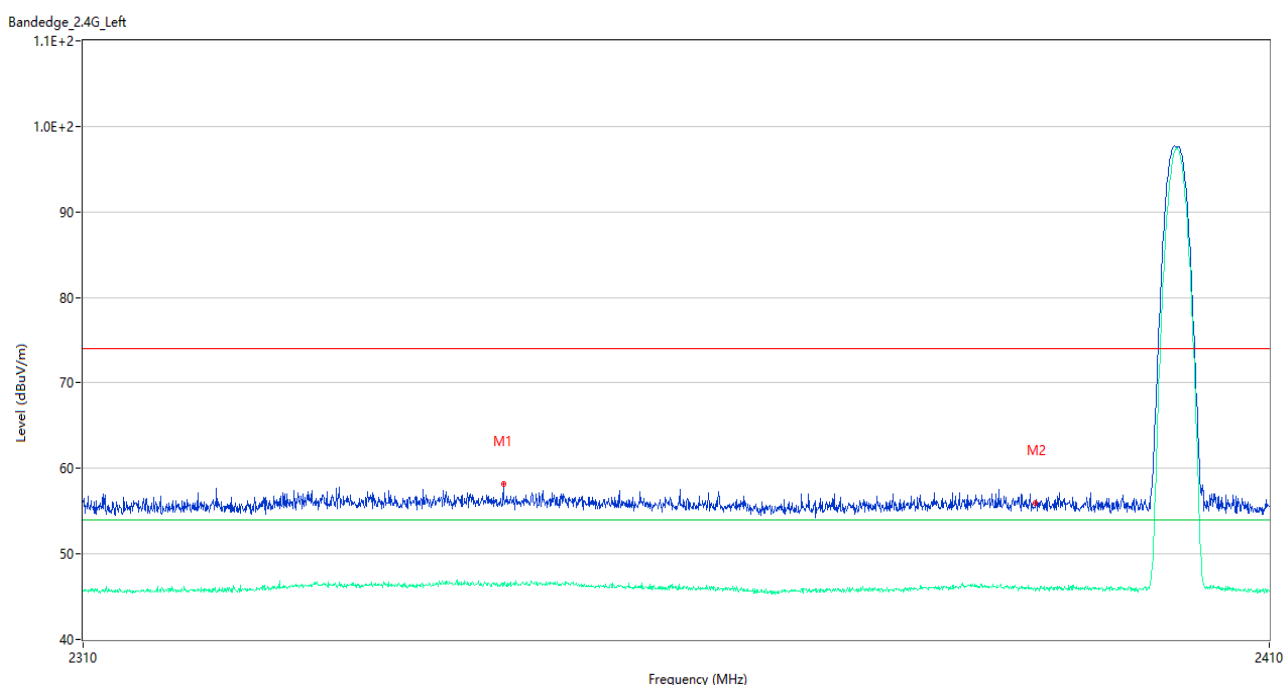
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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.

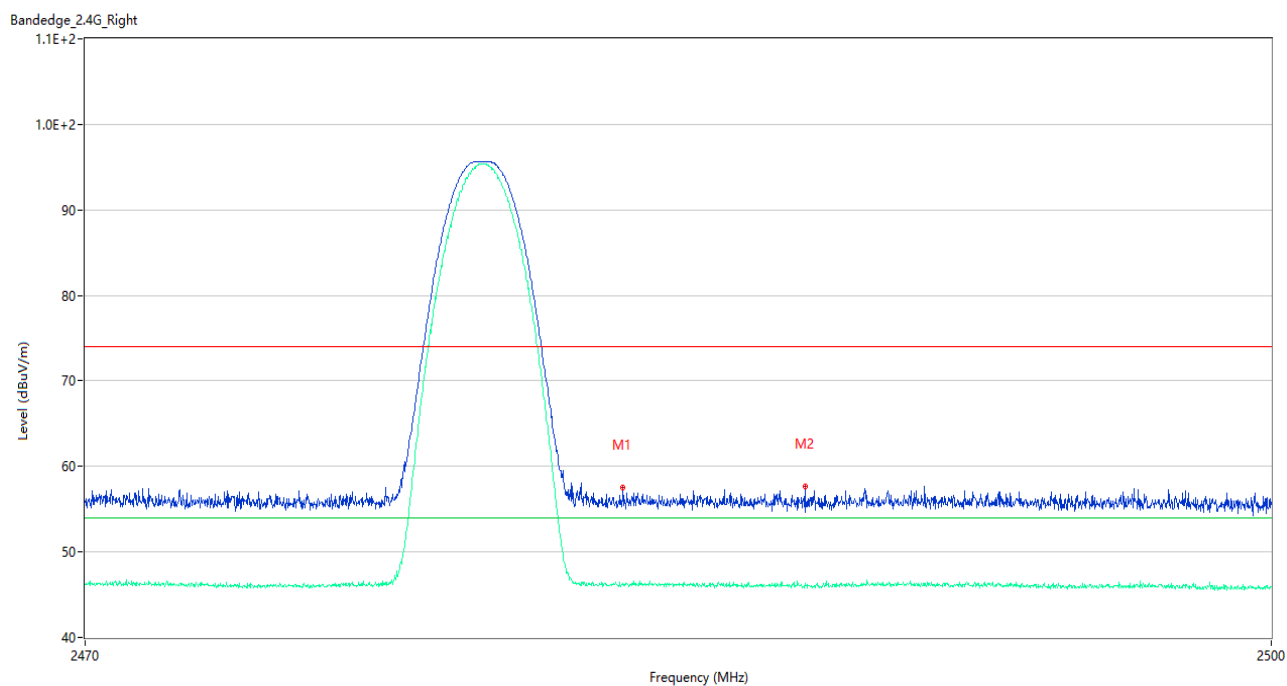
Test Data and Plots

GFSK LOW CHANNEL



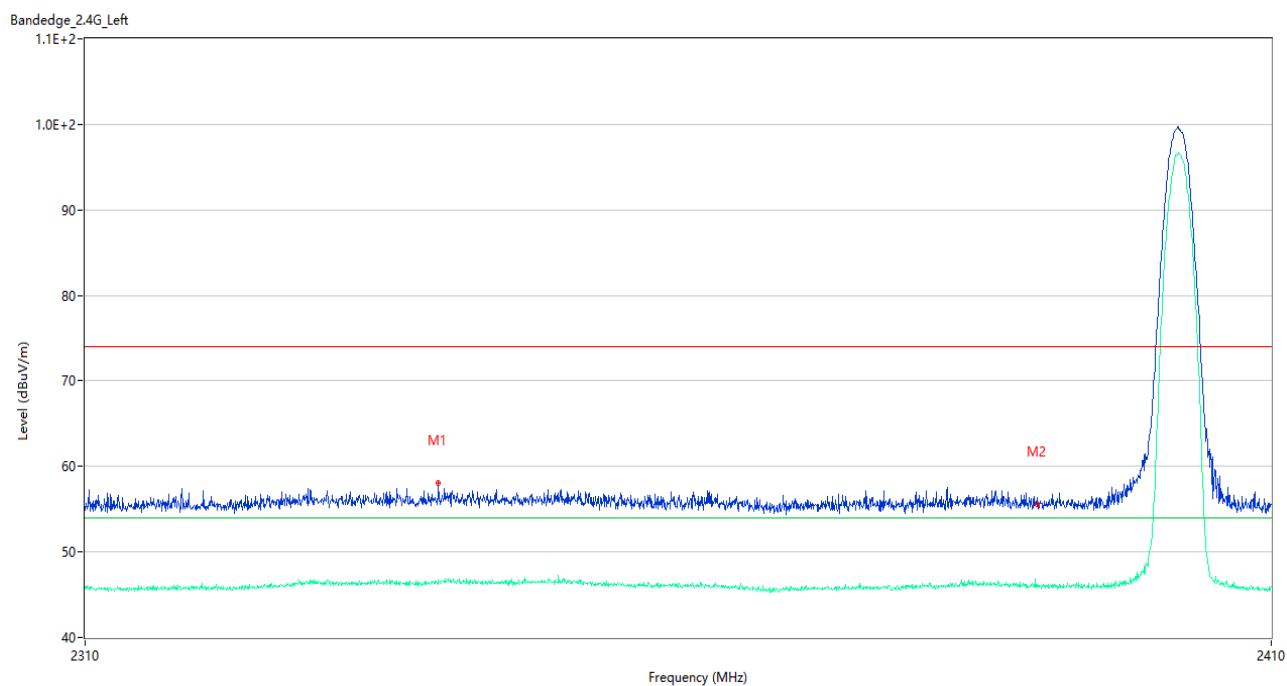
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2344.950	58.26	2.46	74.0	-15.74	Peak	338.00	150	Horizontal	Pass
1**	2344.950	46.38	2.46	54.0	-7.62	AV	338.00	150	Horizontal	Pass
2	2389.950	56.00	1.63	74.0	-18.00	Peak	47.00	100	Horizontal	Pass
2**	2389.950	45.72	1.63	54.0	-8.28	AV	47.00	100	Horizontal	Pass

GFSK HIGH CHANNEL



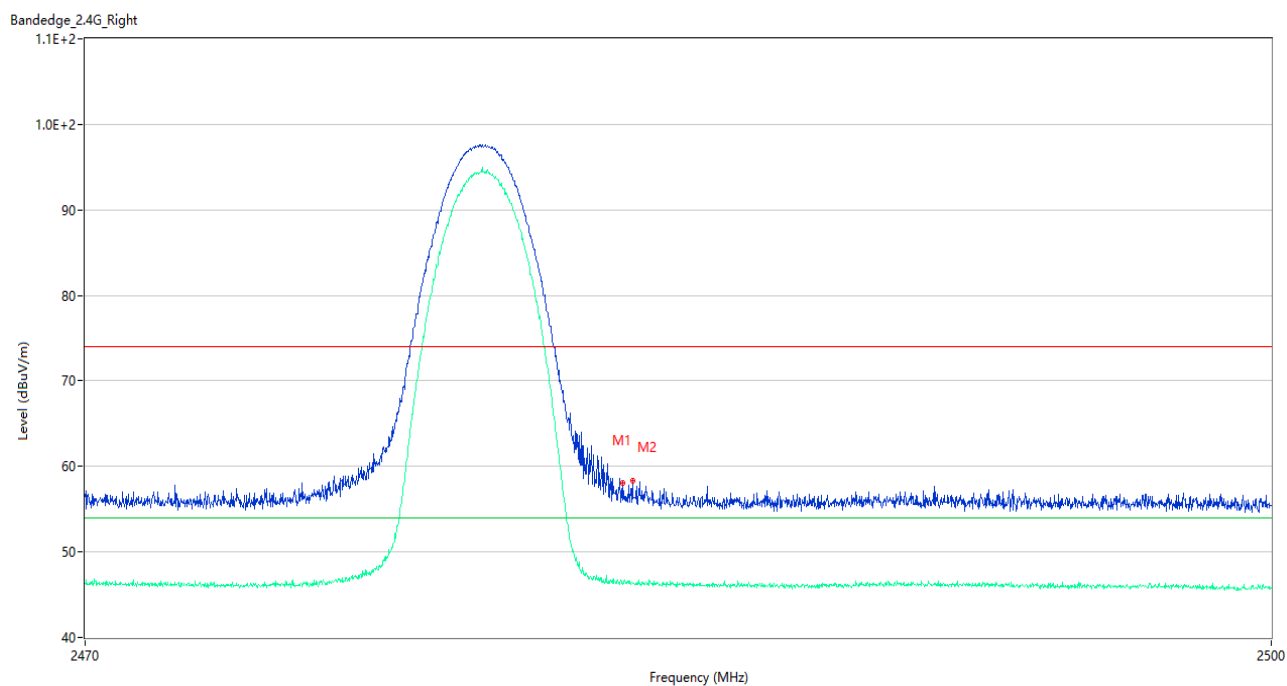
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	57.58	1.98	74.0	-16.42	Peak	360.00	100	Horizontal	Pass
1**	2483.560	46.28	1.98	54.0	-7.72	AV	360.00	100	Horizontal	Pass
2	2488.165	57.68	1.71	74.0	-16.32	Peak	273.00	150	Horizontal	Pass
2**	2488.165	46.01	1.71	54.0	-7.99	AV	273.00	150	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	2339.350	58.01	2.51	74.0	-15.99	Peak	9.00	200	Horizontal	Pass
1**	2339.350	46.74	2.51	54.0	-7.26	AV	9.00	200	Horizontal	Pass
2	2389.950	55.58	1.63	74.0	-18.42	Peak	74.00	100	Horizontal	Pass
2**	2389.950	45.87	1.63	54.0	-8.13	AV	74.00	100	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	2483.545	58.12	1.98	74.0	-15.88	Peak	287.00	150	Horizontal	Pass
1**	2483.545	46.26	1.98	54.0	-7.74	AV	287.00	150	Horizontal	Pass
2	2483.800	58.37	1.99	74.0	-15.63	Peak	73.00	100	Horizontal	Pass
2**	2483.800	46.28	1.99	54.0	-7.72	AV	73.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2280883-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2280883-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2280883-AI.PDF”.

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