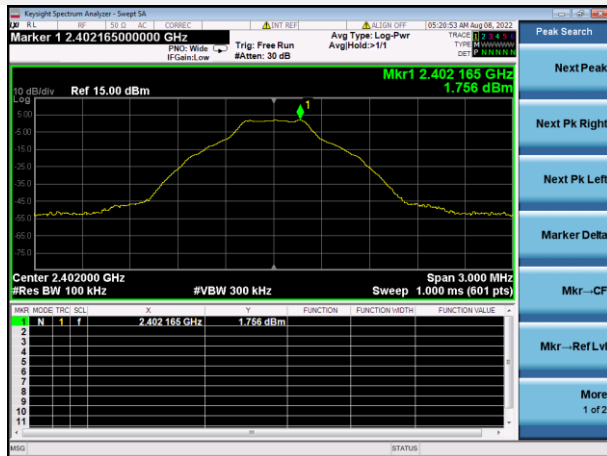
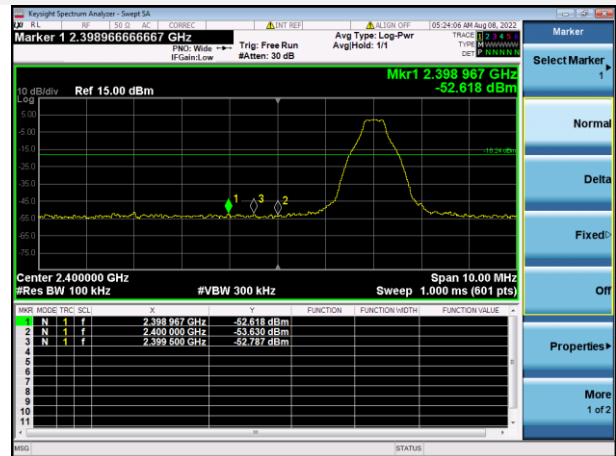


Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL

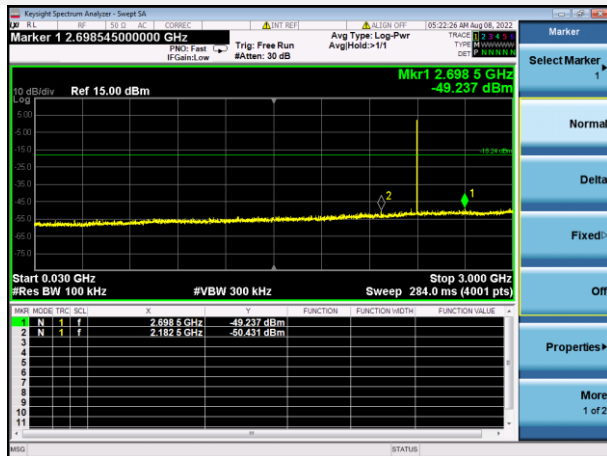


GFSK LOW CHANNEL, BAND EDGE



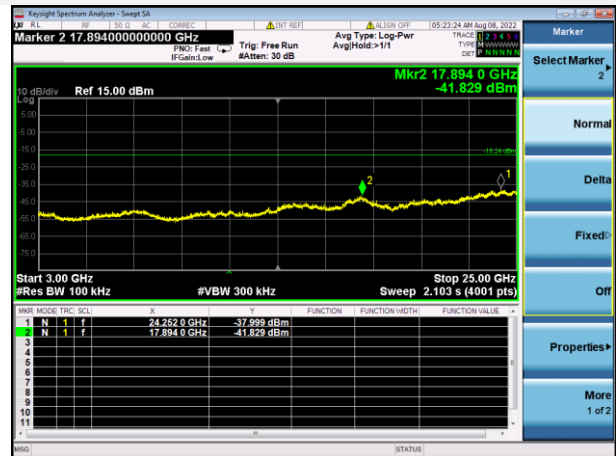
GFSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

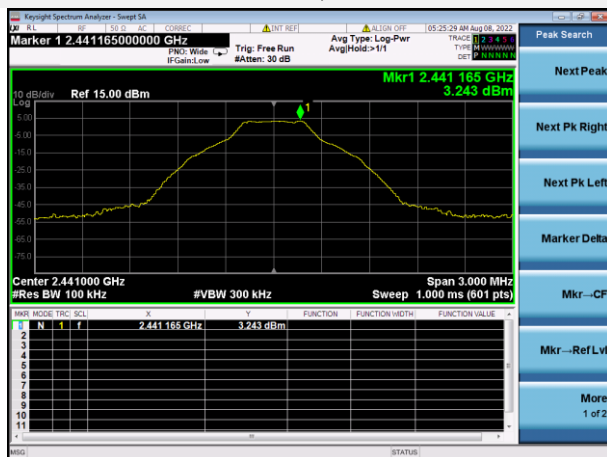


GFSK LOW CHANNEL, SPURIOUS

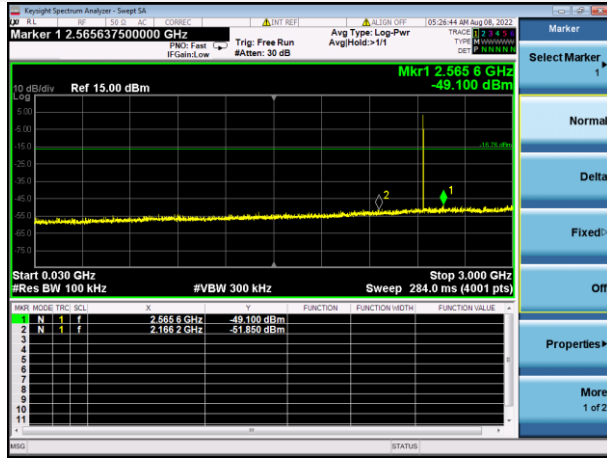
3 GHz ~ 25 GHz



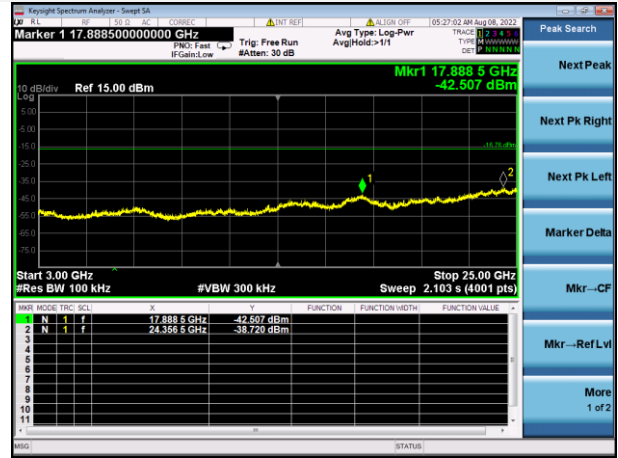
GFSK MIDDLE CHANNEL, CARRIER LEVEL



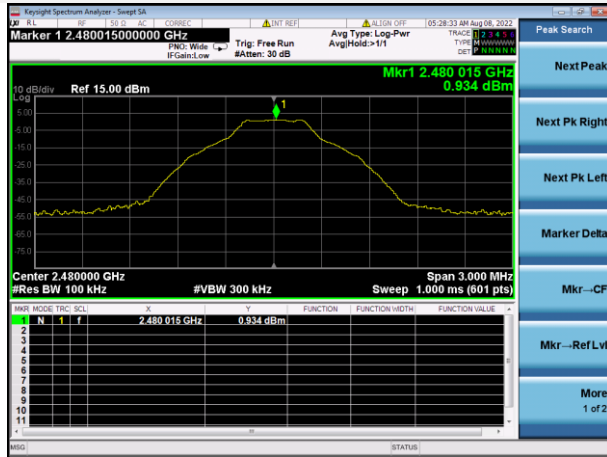
GFSK MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



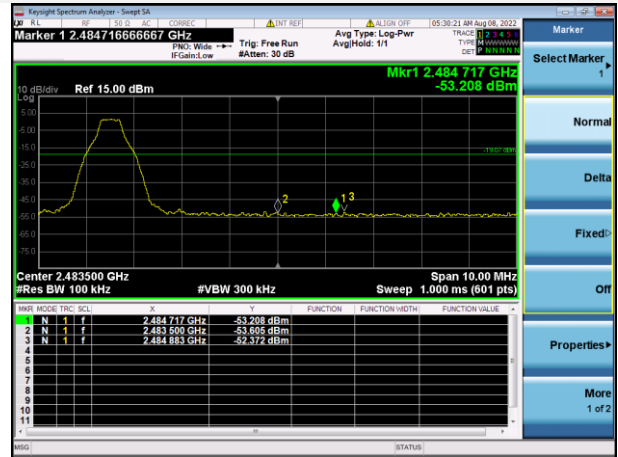
GFSK MIDDLE CHANNEL, SPURIOUS  
3 GHz ~ 25 GHz



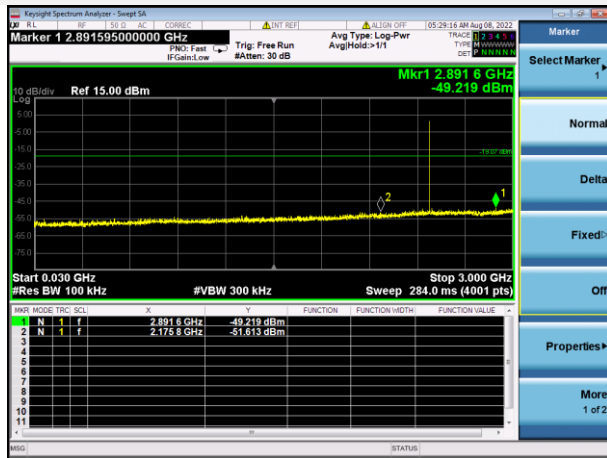
GFSK HIGH CHANNEL, CARRIER LEVEL



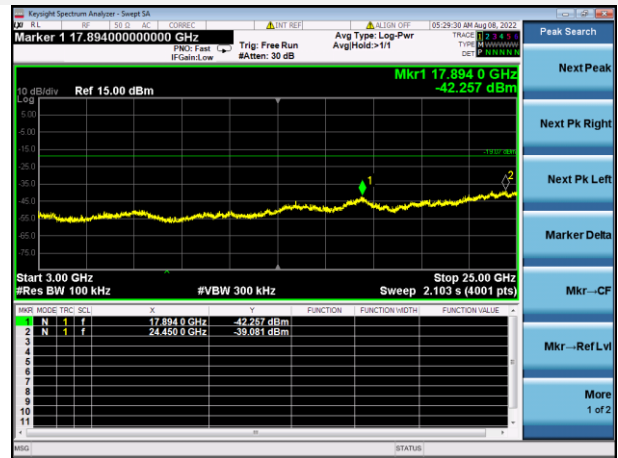
GFSK HIGH CHANNEL, BAND EDGE



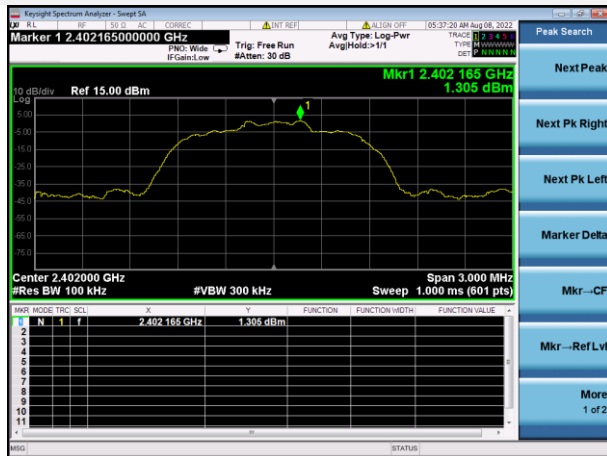
GFSK HIGH CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



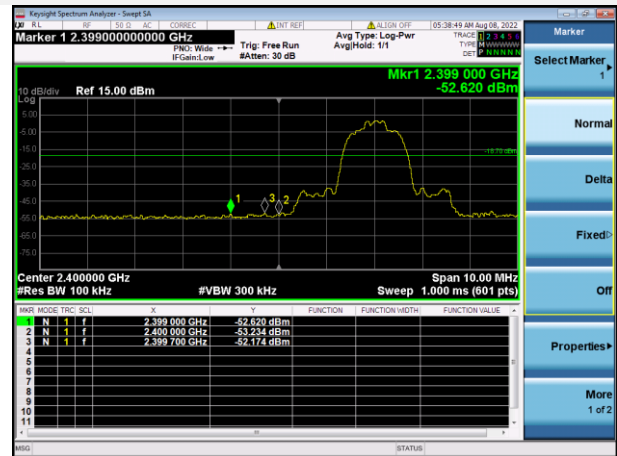
GFSK HIGH CHANNEL, SPURIOUS  
3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

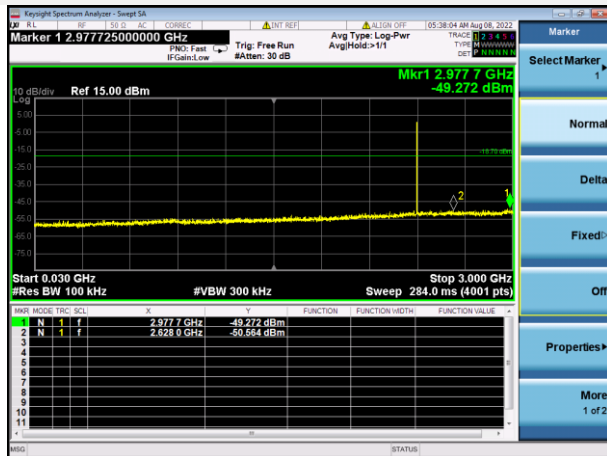


8-DPSK LOW CHANNEL, BAND EDGE



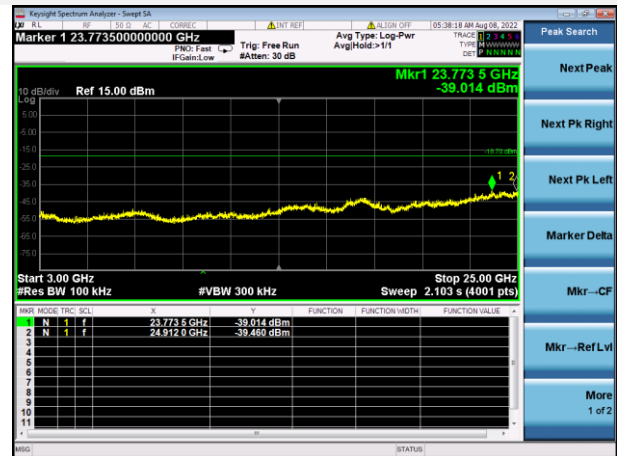
8-DPSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

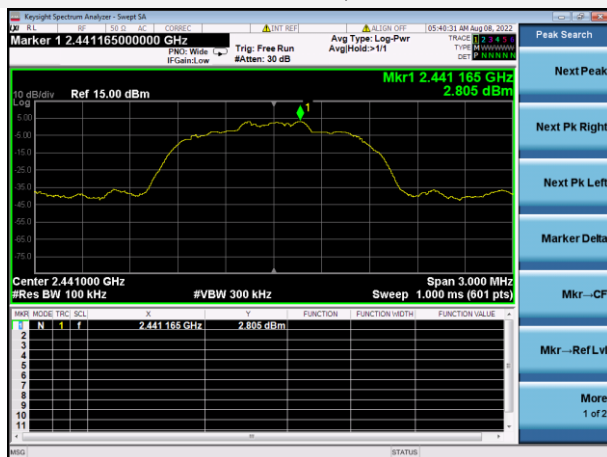


8-DPSK LOW CHANNEL, SPURIOUS

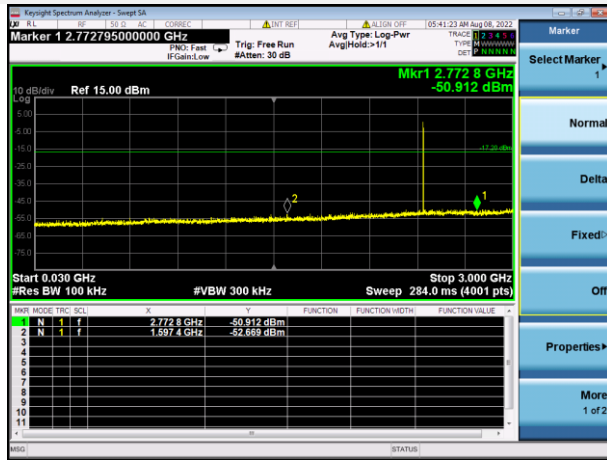
3 GHz ~ 25 GHz



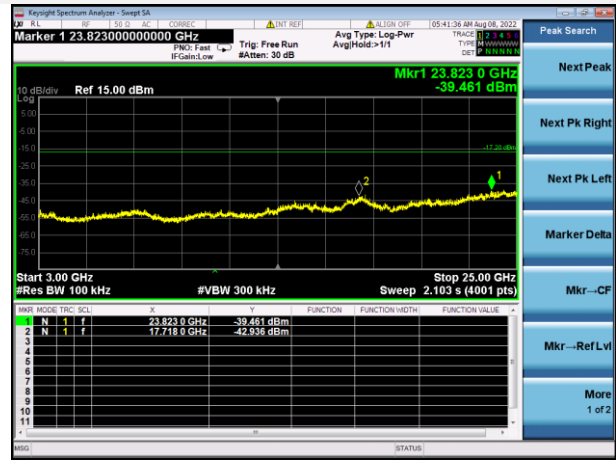
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



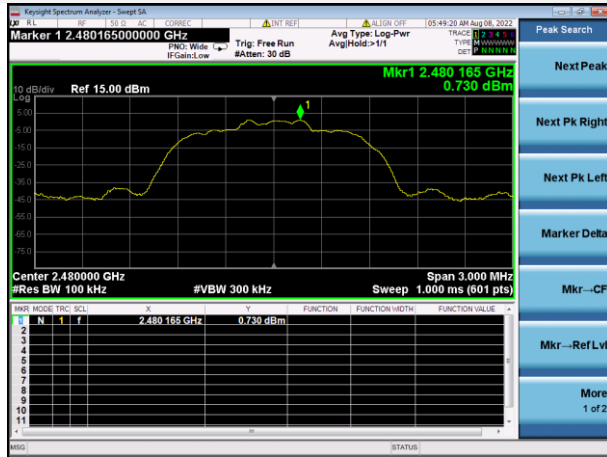
8-DPSK MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



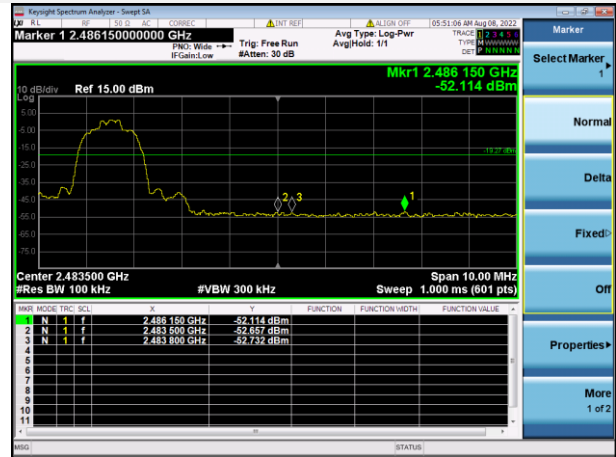
8-DPSK MIDDLE CHANNEL, SPURIOUS  
3 GHz ~ 25 GHz



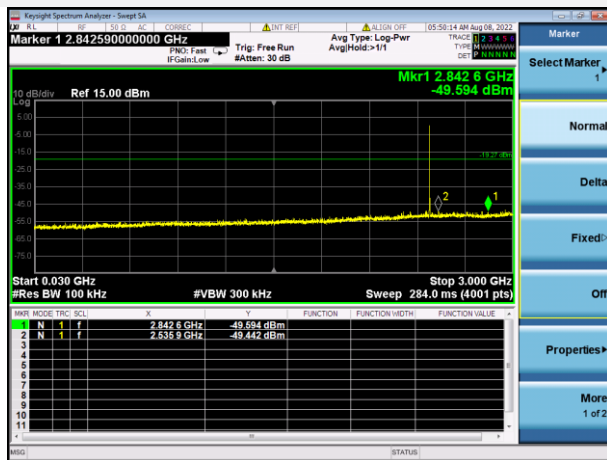
8-DPSK HIGH CHANNEL, CARRIER LEVEL



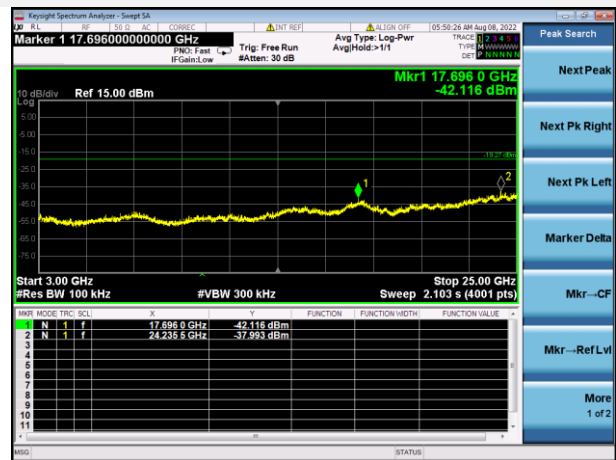
8-DPSK HIGH CHANNEL, BAND EDGE



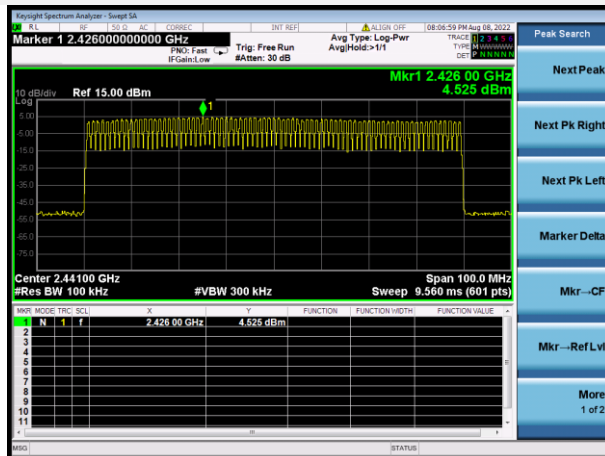
8-DPSK HIGH CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



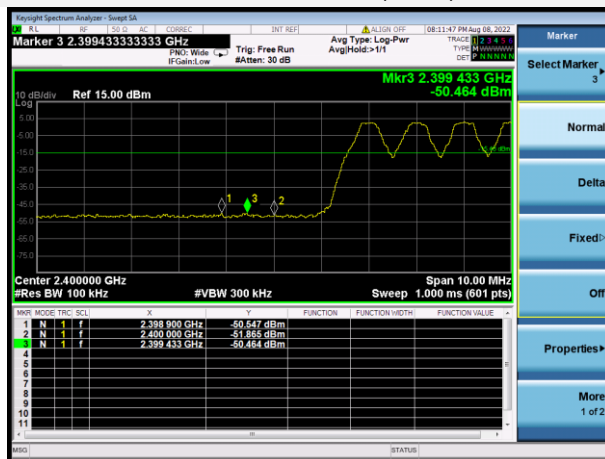
8-DPSK HIGH CHANNEL, SPURIOUS  
3 GHz ~ 25 GHz



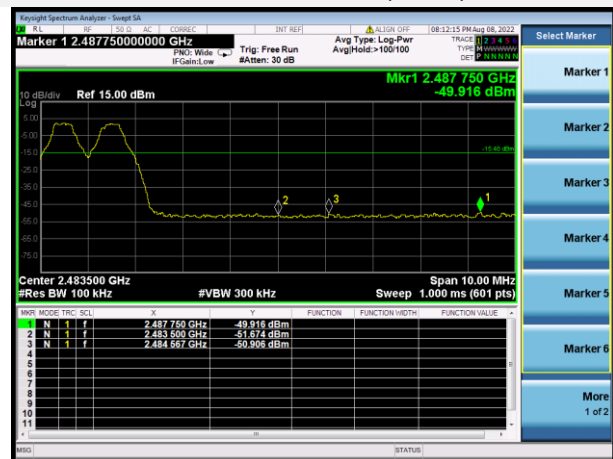
### GFSK HOPPING, CARRIER LEVEL



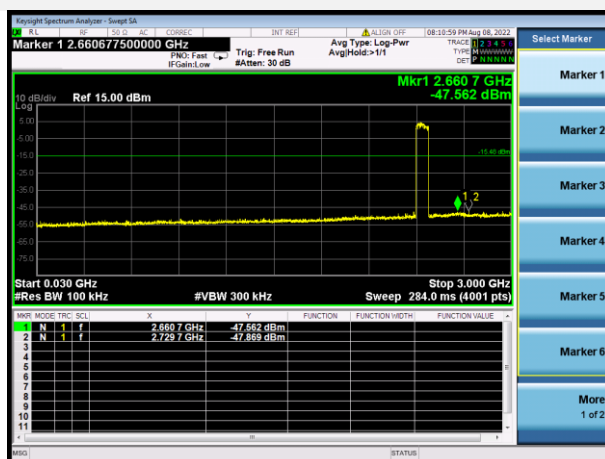
### GFSK HOPPING BAND EDGE (LOW)



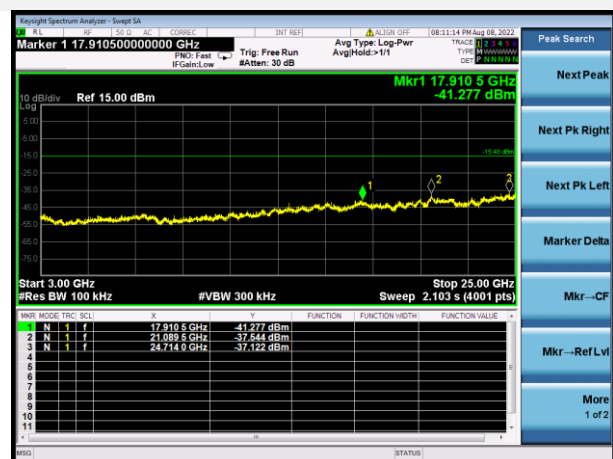
### GFSK HOPPING BAND EDGE (HIGH)



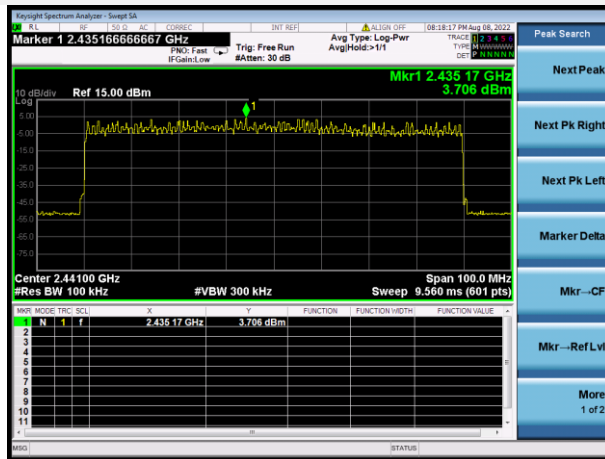
### GFSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



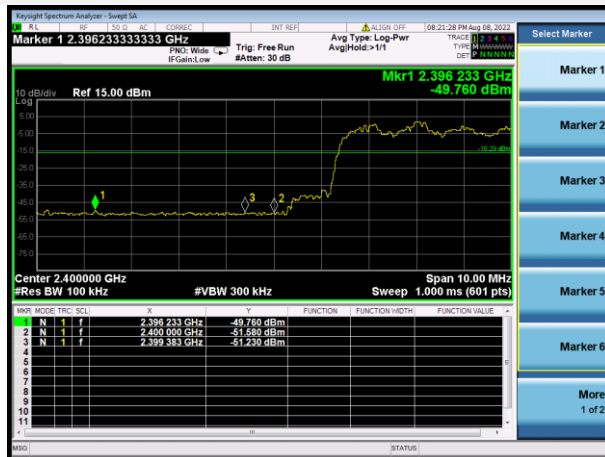
### GFSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz



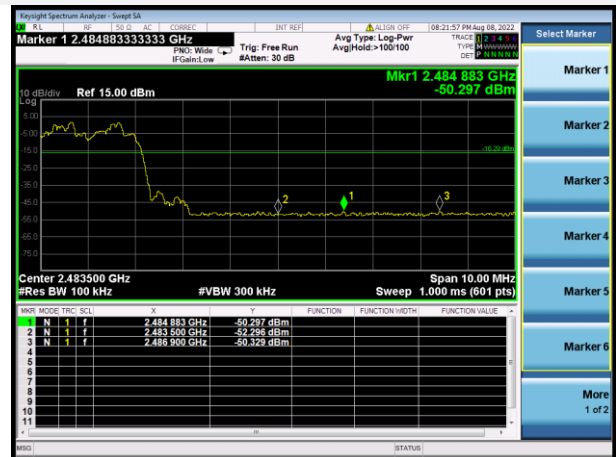
### 8-DPSK HOPPING, CARRIER LEVEL



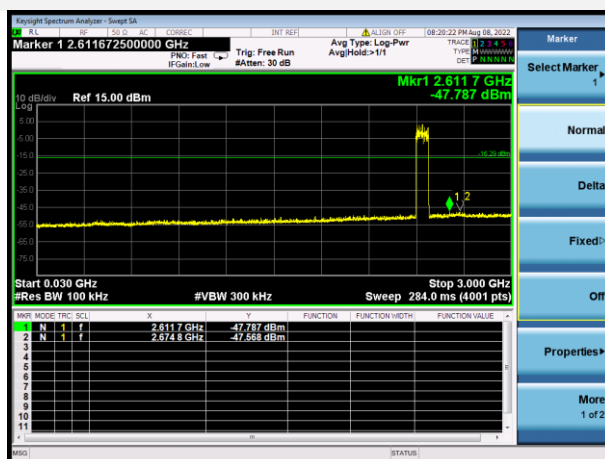
### 8-DPSK Hopping BAND EDGE (LOW)



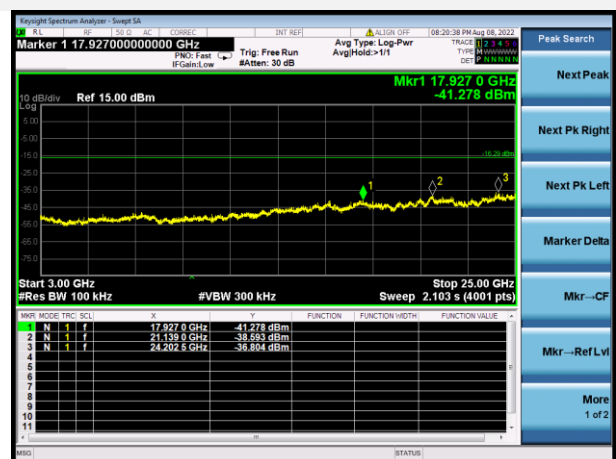
### 8-DPSK Hopping BAND EDGE (HIGH)



### 8-DPSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



### 8-DPSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz



## A.7 Conducted Emissions

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

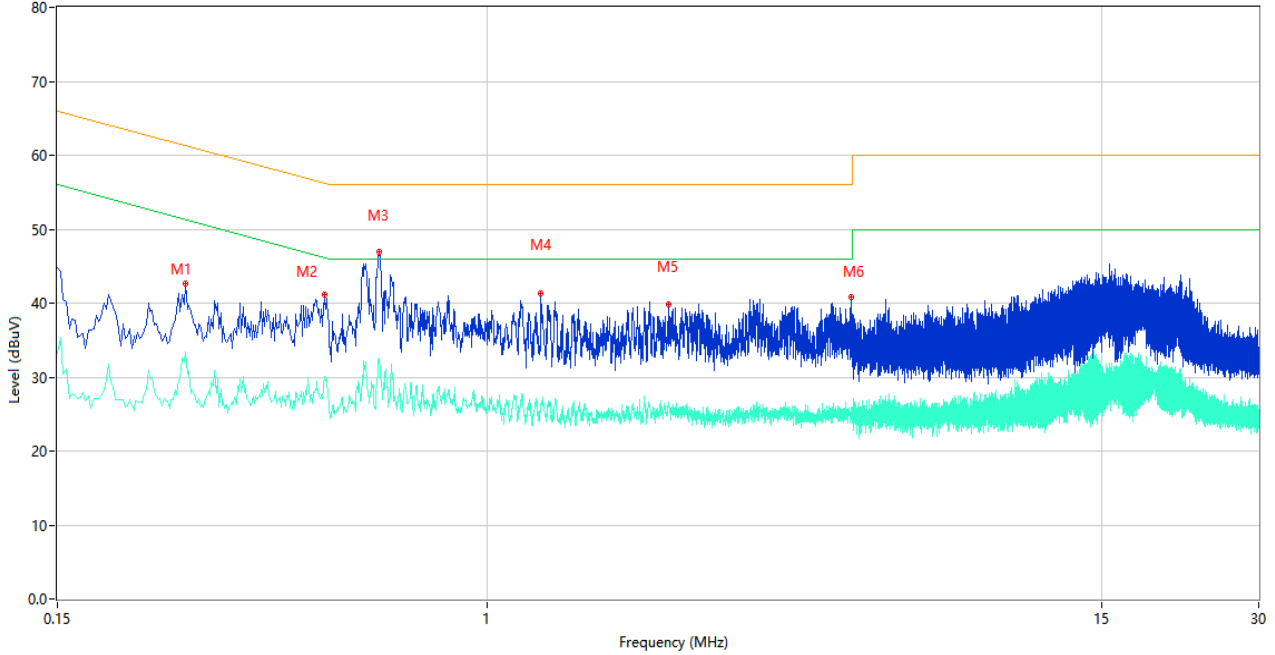
Note <sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the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

Note <sup>3</sup>: 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

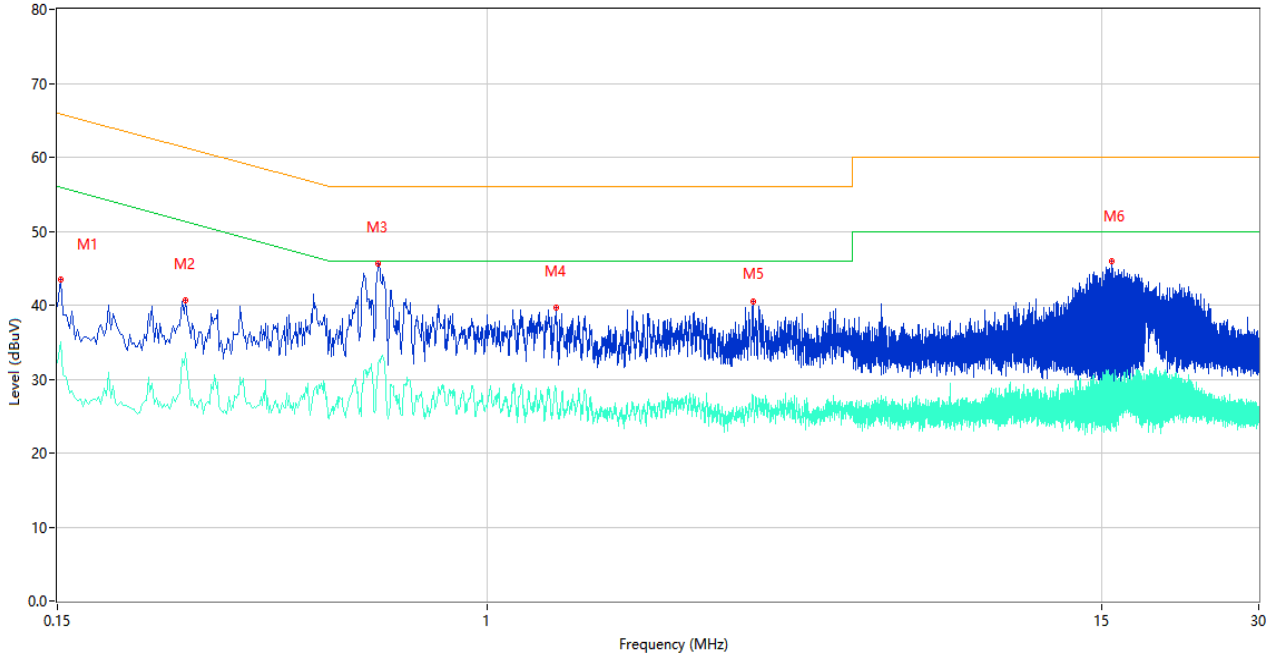


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.264	42.58	10.01	61.30	-18.72	Peak	L	Pass
1**	0.264	33.40	10.01	51.30	-17.90	AV	L	Pass
2	0.488	41.23	10.18	56.20	-14.97	Peak	L	Pass
2**	0.488	30.11	10.18	46.20	-16.09	AV	L	Pass
3	0.620	46.93	10.35	56.00	-9.07	Peak	L	Pass
3**	0.620	32.63	10.35	46.00	-13.37	AV	L	Pass
4	1.266	41.34	10.57	56.00	-14.66	Peak	L	Pass
4**	1.266	26.53	10.57	46.00	-19.47	AV	L	Pass
5	2.228	39.77	10.14	56.00	-16.23	Peak	L	Pass
5**	2.228	26.39	10.14	46.00	-19.61	AV	L	Pass
6	4.964	40.75	10.35	56.00	-15.25	Peak	L	Pass
6**	4.964	25.19	10.35	46.00	-20.81	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	0.152	43.51	10.09	65.89	-22.38	Peak	N	Pass
1**	0.152	35.08	10.09	55.89	-20.81	AV	N	Pass
2	0.264	40.74	10.01	61.30	-20.56	Peak	N	Pass
2**	0.264	33.58	10.01	51.30	-17.72	AV	N	Pass
3	0.616	45.58	10.35	56.00	-10.42	Peak	N	Pass
3**	0.616	31.34	10.35	46.00	-14.66	AV	N	Pass
4	1.354	39.72	10.09	56.00	-16.28	Peak	N	Pass
4**	1.354	28.72	10.09	46.00	-17.28	AV	N	Pass
5	3.222	40.46	10.23	56.00	-15.54	Peak	N	Pass
5**	3.222	27.72	10.23	46.00	-18.28	AV	N	Pass
6	15.706	45.99	10.27	60.00	-14.01	Peak	N	Pass
6**	15.706	26.80	10.27	50.00	-23.20	AV	N	Pass

## A.8 Radiated Spurious Emission

Note <sup>1</sup>: The symbol of "--" in the table which means not application.

Note <sup>2</sup>: 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.

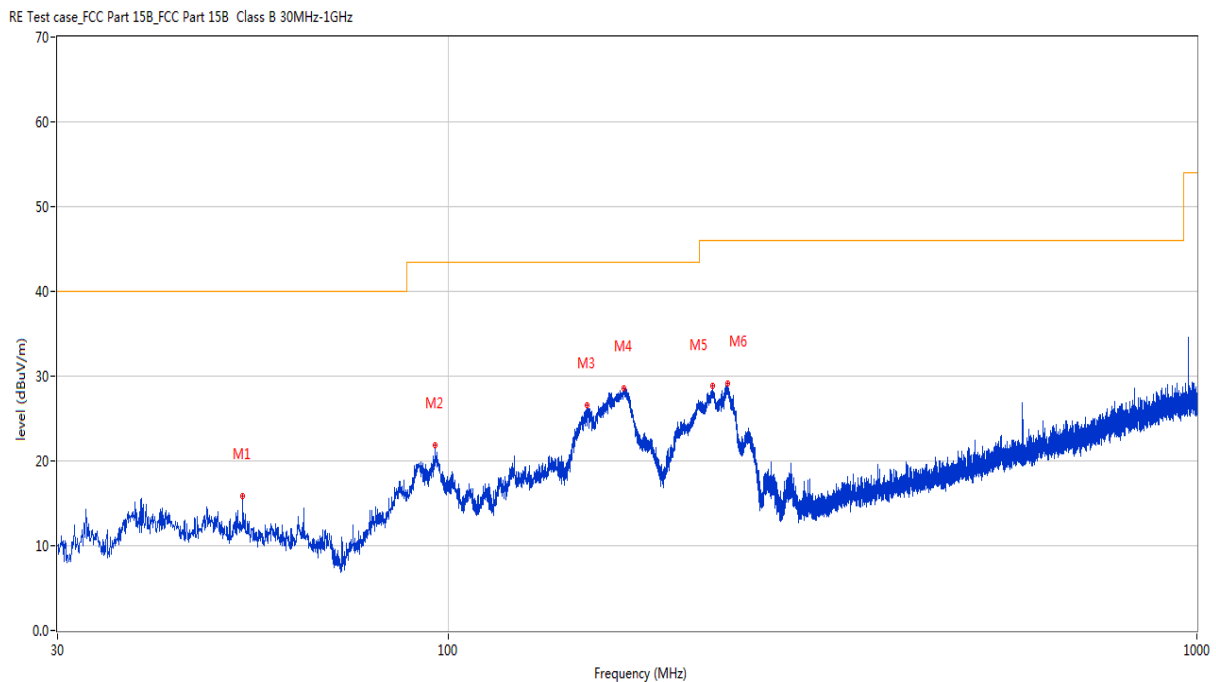
Note <sup>3</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

Note <sup>4</sup>: 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

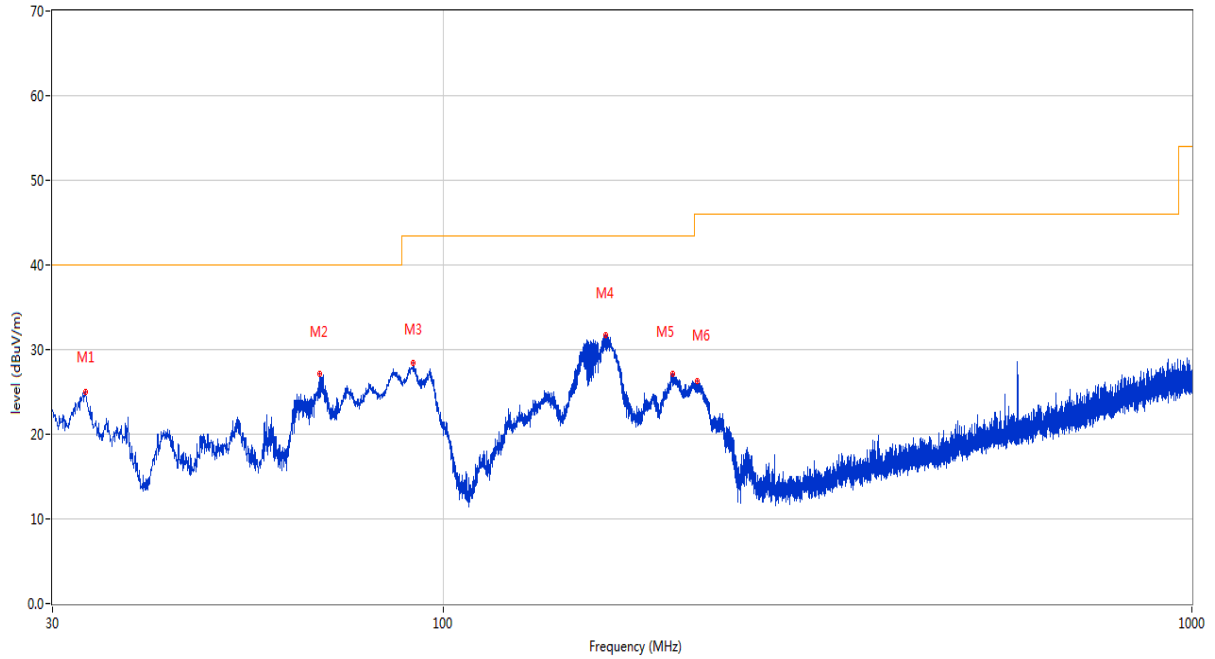
#### 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.038	15.82	-23.00	40.0	-24.18	Peak	179.60	100	Horizontal	Pass
2	95.960	21.88	-24.73	43.5	-21.62	Peak	31.00	200	Horizontal	Pass
3	153.238	26.52	-27.53	43.5	-16.98	Peak	102.10	200	Horizontal	Pass
4	171.329	28.50	-26.52	43.5	-15.00	Peak	292.10	200	Horizontal	Pass
5	225.212	28.81	-23.75	46.0	-17.19	Peak	296.80	100	Horizontal	Pass
6	236.028	29.10	-22.97	46.0	-16.90	Peak	283.90	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



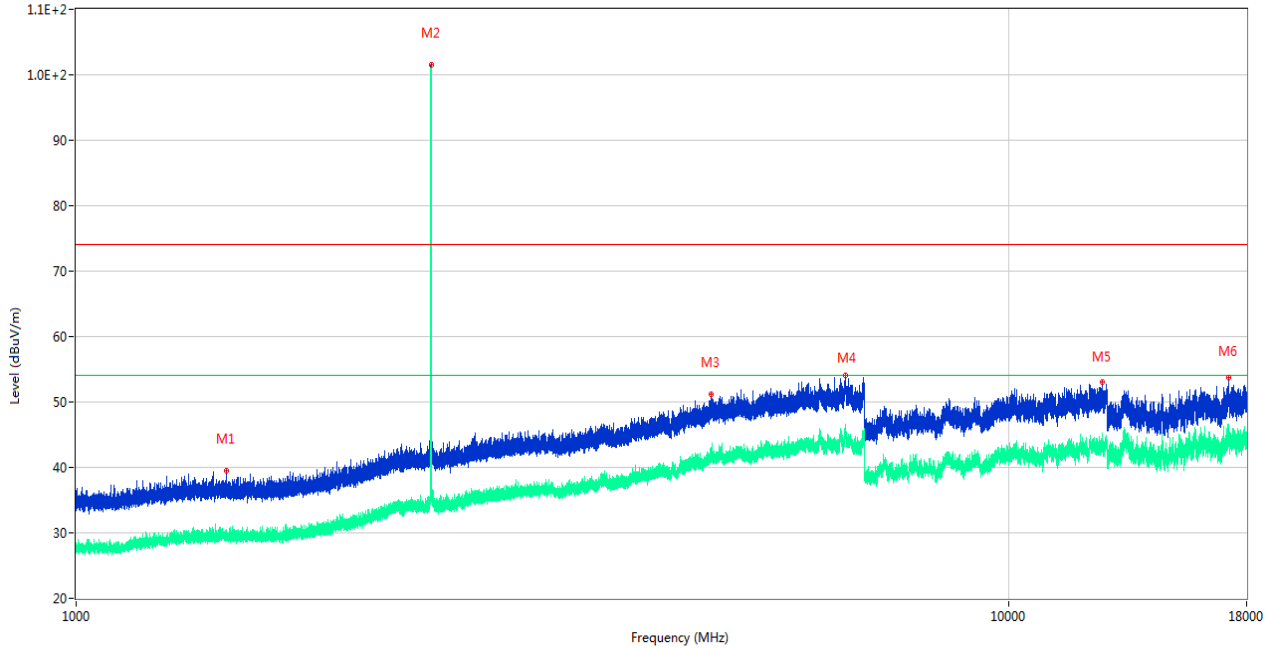
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.201	25.04	-26.30	40.0	-14.96	Peak	225.90	100	Vertical	Pass
2	68.267	27.17	-25.97	40.0	-12.83	Peak	145.90	100	Vertical	Pass
3	91.013	28.48	-25.87	43.5	-15.02	Peak	208.60	100	Vertical	Pass
4	164.781	31.65	-26.78	43.5	-11.85	Peak	82.40	100	Vertical	Pass
5	202.223	27.11	-23.76	43.5	-16.39	Peak	112.40	100	Vertical	Pass
6	218.277	26.30	-24.13	46.0	-19.70	Peak	31.00	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**

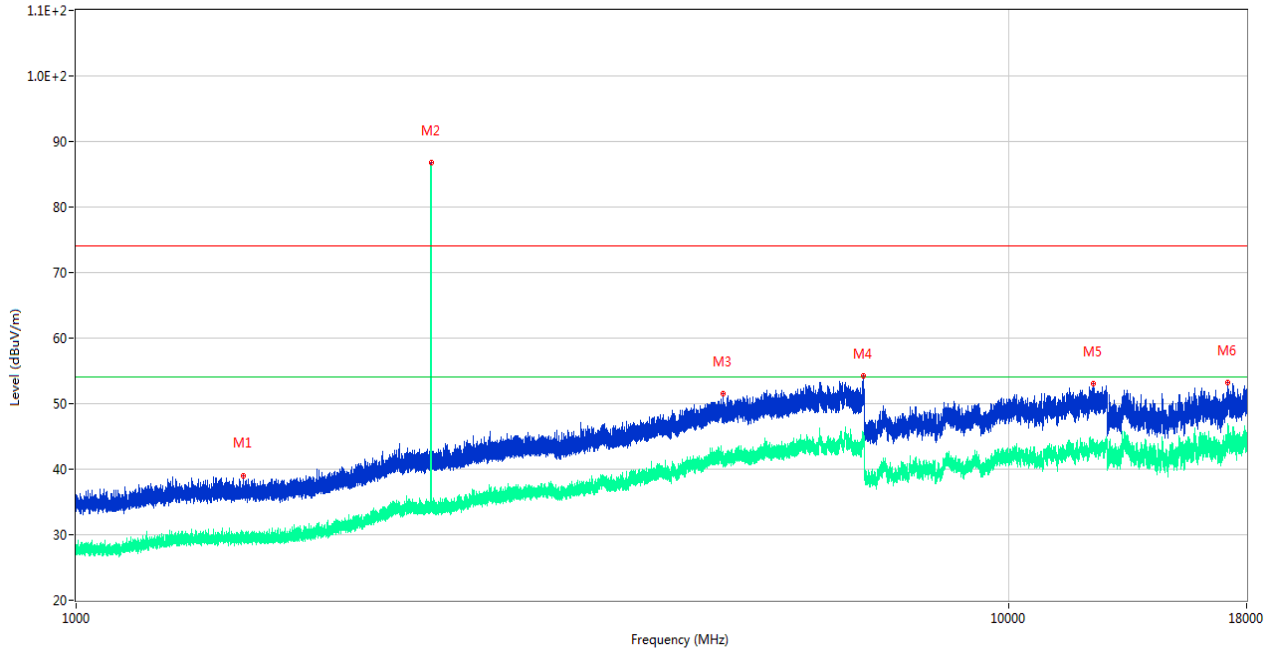
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.300	39.42	-17.46	74.0	-34.58	Peak	231.00	100	Horizontal	Pass
1**	1448.300	29.72	-17.46	54.0	-24.28	AV	231.00	100	Horizontal	Pass
2	2401.800	101.48	-12.26	74.0	27.48	Peak	136.00	150	Horizontal	N/A
2**	2401.800	101.22	-12.26	54.0	47.22	AV	136.00	150	Horizontal	N/A
3	4801.600	51.13	-2.59	74.0	-22.87	Peak	8.00	150	Horizontal	Pass
3**	4801.600	42.69	-2.59	54.0	-11.31	AV	8.00	150	Horizontal	Pass
4	6680.400	54.13	-0.53	74.0	-19.87	Peak	113.00	200	Horizontal	Pass
4**	6680.400	44.98	-0.53	54.0	-9.02	AV	113.00	200	Horizontal	Pass
5	12592.451	53.07	1.72	74.0	-20.93	Peak	57.00	300	Horizontal	Pass
5**	12592.451	43.20	1.72	54.0	-10.80	AV	57.00	300	Horizontal	Pass
6	17202.786	53.81	1.75	74.0	-20.19	Peak	18.00	200	Horizontal	Pass
6**	17202.786	44.32	1.75	54.0	-9.68	AV	18.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

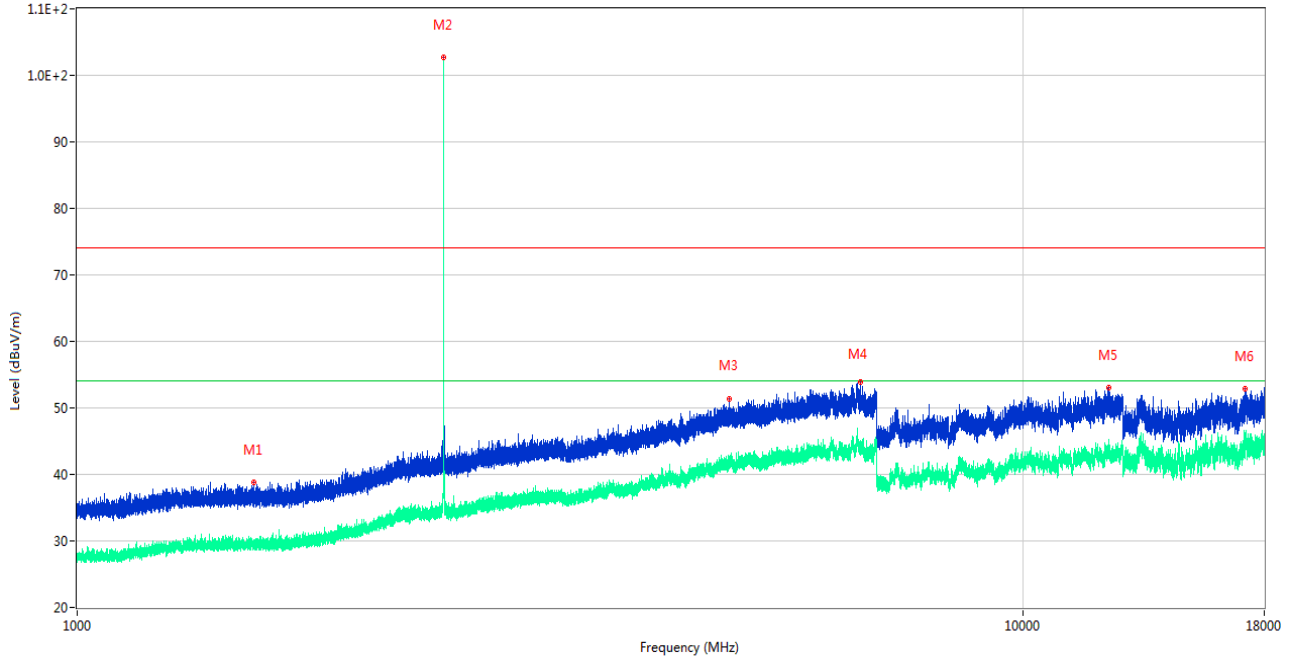
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.300	38.98	-17.59	74.0	-35.02	Peak	226.00	300	Vertical	Pass
1**	1510.300	29.06	-17.59	54.0	-24.94	AV	226.00	300	Vertical	Pass
2	2401.800	86.73	-12.26	74.0	12.73	Peak	243.00	100	Vertical	N/A
2**	2401.800	86.48	-12.26	54.0	32.48	AV	243.00	100	Vertical	N/A
3	4938.600	51.52	-2.91	74.0	-22.48	Peak	309.00	200	Vertical	Pass
3**	4938.600	40.99	-2.91	54.0	-13.01	AV	309.00	200	Vertical	Pass
4	6995.800	54.30	0.17	74.0	-19.70	Peak	130.00	300	Vertical	Pass
4**	6995.800	43.98	0.17	54.0	-10.02	AV	130.00	300	Vertical	Pass
5	12316.738	53.03	1.41	74.0	-20.97	Peak	309.00	100	Vertical	Pass
5**	12316.738	43.05	1.41	54.0	-10.95	AV	309.00	100	Vertical	Pass
6	17192.550	53.16	2.26	74.0	-20.84	Peak	222.00	300	Vertical	Pass
6**	17192.550	45.85	2.26	54.0	-8.15	AV	222.00	300	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

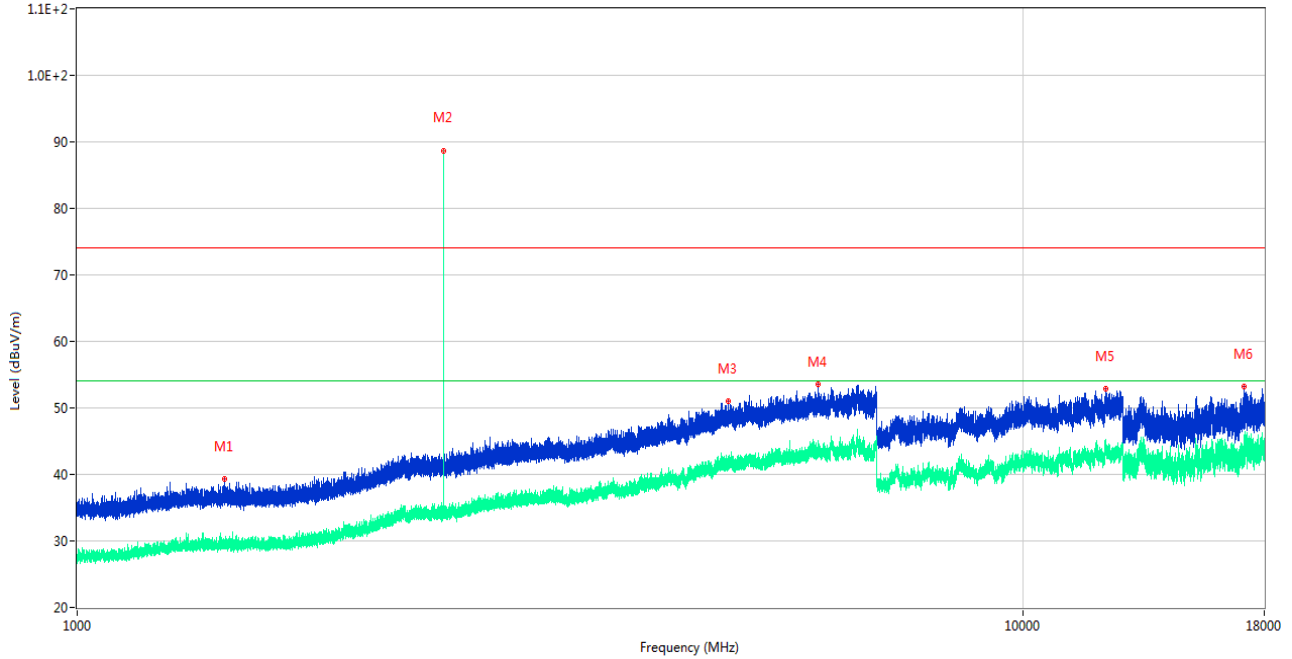
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.300	38.81	-17.50	74.0	-35.19	Peak	221.00	300	Horizontal	Pass
1**	1538.300	29.93	-17.50	54.0	-24.07	AV	221.00	300	Horizontal	Pass
2	2440.800	102.64	-12.79	74.0	28.64	Peak	132.00	200	Horizontal	N/A
2**	2440.800	102.37	-12.79	54.0	48.37	AV	132.00	200	Horizontal	N/A
3	4894.000	51.42	-3.20	74.0	-22.58	Peak	315.00	200	Horizontal	Pass
3**	4894.000	42.03	-3.20	54.0	-11.97	AV	315.00	200	Horizontal	Pass
4	6732.200	53.91	-0.53	74.0	-20.09	Peak	31.00	200	Horizontal	Pass
4**	6732.200	44.00	-0.53	54.0	-10.00	AV	31.00	200	Horizontal	Pass
5	12336.862	53.04	1.32	74.0	-20.96	Peak	38.00	200	Horizontal	Pass
5**	12336.862	43.08	1.32	54.0	-10.92	AV	38.00	200	Horizontal	Pass
6	17183.887	52.85	2.56	74.0	-21.15	Peak	82.00	200	Horizontal	Pass
6**	17183.887	45.34	2.56	54.0	-8.66	AV	82.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

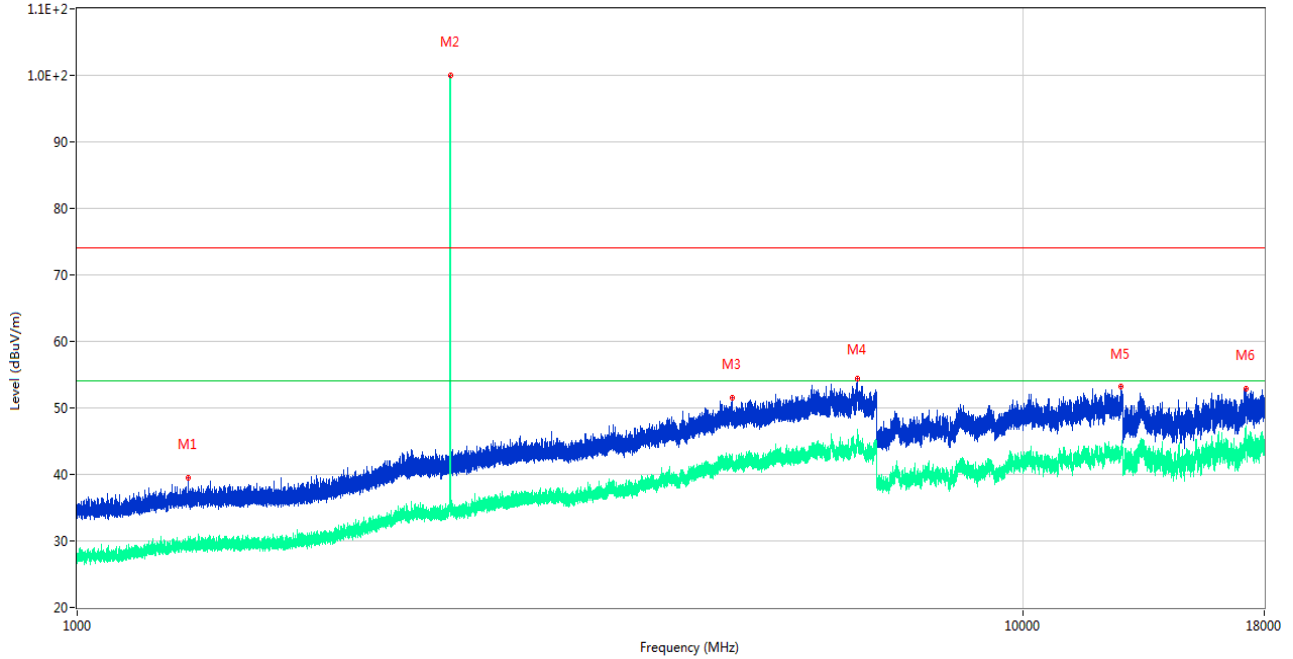
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1430.900	39.31	-17.31	74.0	-34.69	Peak	143.00	200	Vertical	Pass
1**	1430.900	29.04	-17.31	54.0	-24.96	AV	143.00	200	Vertical	Pass
2	2440.800	88.69	-12.79	74.0	14.69	Peak	118.00	200	Vertical	N/A
2**	2440.800	88.44	-12.79	54.0	34.44	AV	118.00	200	Vertical	N/A
3	4876.400	50.94	-3.43	74.0	-23.06	Peak	43.00	200	Vertical	Pass
3**	4876.400	41.39	-3.43	54.0	-12.61	AV	43.00	200	Vertical	Pass
4	6076.800	53.49	-1.92	74.0	-20.51	Peak	360.00	300	Vertical	Pass
4**	6076.800	43.22	-1.92	54.0	-10.78	AV	360.00	300	Vertical	Pass
5	12226.175	52.85	1.31	74.0	-21.15	Peak	0.00	200	Vertical	Pass
5**	12226.175	43.45	1.31	54.0	-10.55	AV	0.00	200	Vertical	Pass
6	17134.537	53.17	2.21	74.0	-20.83	Peak	0.00	100	Vertical	Pass
6**	17134.537	43.39	2.21	54.0	-10.61	AV	0.00	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

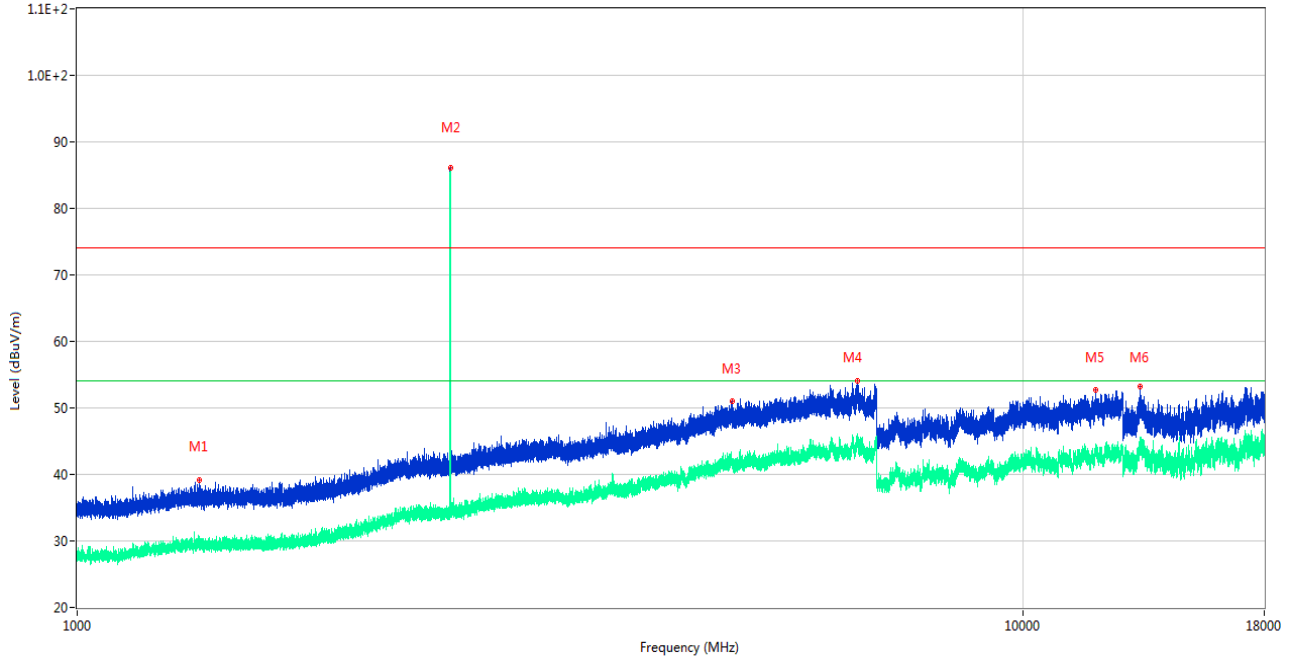


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1311.400	39.52	-17.27	74.0	-34.48	Peak	360.00	100	Horizontal	Pass
1**	1311.400	29.13	-17.27	54.0	-24.87	AV	360.00	100	Horizontal	Pass
2	2479.900	100.04	-12.43	74.0	26.04	Peak	150.00	150	Horizontal	N/A
2**	2479.900	99.95	-12.43	54.0	45.95	AV	150.00	150	Horizontal	N/A
3	4932.200	51.54	-2.82	74.0	-22.46	Peak	20.00	150	Horizontal	Pass
3**	4932.200	41.03	-2.82	54.0	-12.97	AV	20.00	150	Horizontal	Pass
4	6690.600	54.35	-0.28	74.0	-19.65	Peak	227.00	100	Horizontal	Pass
4**	6690.600	45.10	-0.28	54.0	-8.90	AV	227.00	100	Horizontal	Pass
5	12704.862	53.16	0.89	74.0	-20.84	Peak	218.00	100	Horizontal	Pass
5**	12704.862	44.30	0.89	54.0	-9.70	AV	218.00	100	Horizontal	Pass
6	17220.637	52.95	1.35	74.0	-21.05	Peak	18.00	100	Horizontal	Pass
6**	17220.637	45.31	1.35	54.0	-8.69	AV	18.00	100	Horizontal	Pass



GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

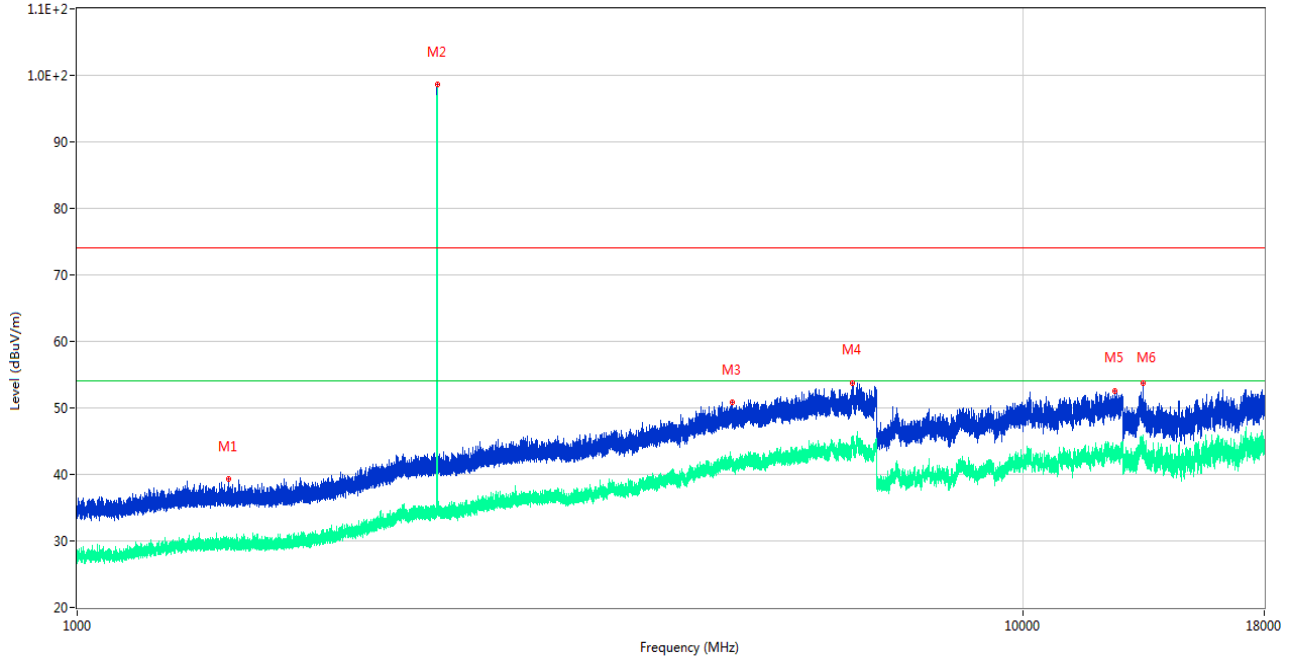
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1346.700	39.19	-17.33	74.0	-34.81	Peak	212.00	300	Vertical	Pass
1**	1346.700	29.03	-17.33	54.0	-24.97	AV	212.00	300	Vertical	Pass
2	2479.800	86.04	-12.43	74.0	12.04	Peak	13.00	200	Vertical	N/A
2**	2479.800	85.79	-12.43	54.0	31.79	AV	13.00	200	Vertical	N/A
3	4925.000	50.94	-2.67	74.0	-23.06	Peak	60.00	150	Vertical	Pass
3**	4925.000	40.89	-2.67	54.0	-13.11	AV	60.00	150	Vertical	Pass
4	6682.600	53.99	-0.43	74.0	-20.01	Peak	24.00	200	Vertical	Pass
4**	6682.600	44.96	-0.43	54.0	-9.04	AV	24.00	200	Vertical	Pass
5	11941.550	52.70	1.64	74.0	-21.30	Peak	46.00	100	Vertical	Pass
5**	11941.550	43.54	1.64	54.0	-10.46	AV	46.00	100	Vertical	Pass
6	13311.487	53.16	0.86	74.0	-20.84	Peak	191.00	200	Vertical	Pass
6**	13311.487	44.44	0.86	54.0	-9.56	AV	191.00	200	Vertical	Pass

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

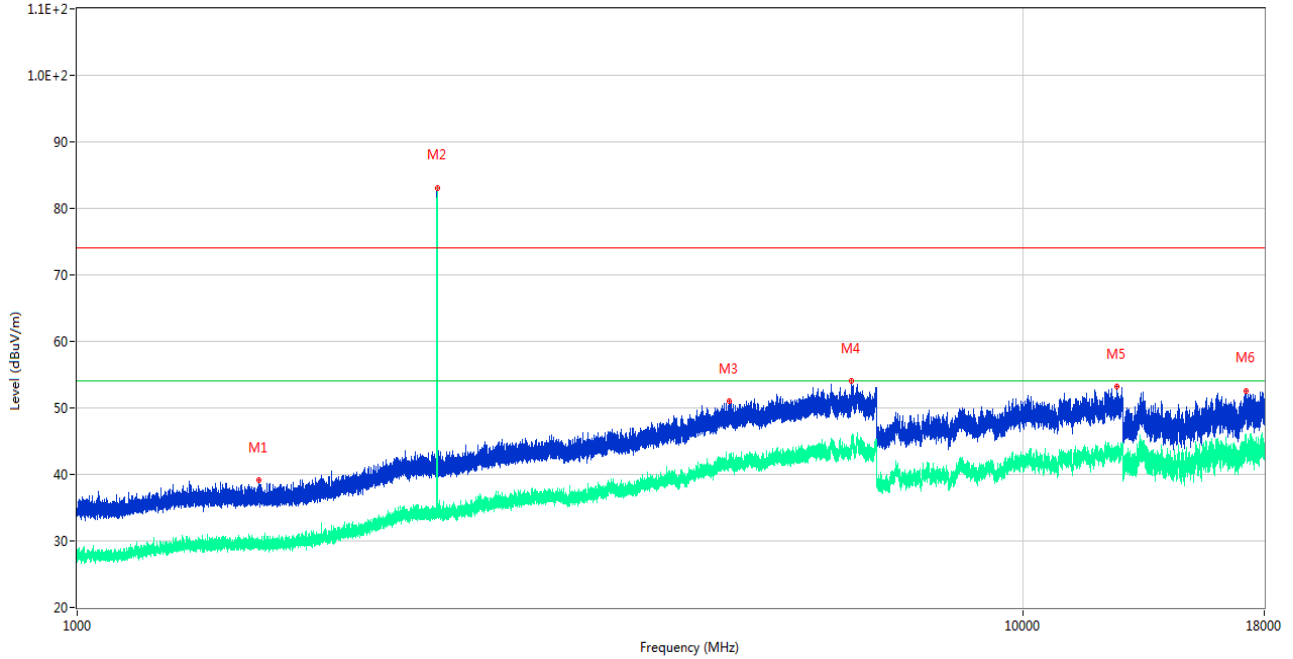
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.100	39.30	-17.51	74.0	-34.70	Peak	139.00	400	Horizontal	Pass
1**	1447.100	29.83	-17.51	54.0	-24.17	AV	139.00	400	Horizontal	Pass
2	2402.200	98.59	-12.26	74.0	24.59	Peak	165.00	100	Horizontal	N/A
2**	2402.200	98.29	-12.26	54.0	44.29	AV	165.00	100	Horizontal	N/A
3	4928.000	50.84	-2.87	74.0	-23.16	Peak	205.00	100	Horizontal	Pass
3**	4928.000	41.41	-2.87	54.0	-12.59	AV	205.00	100	Horizontal	Pass
4	6605.200	53.77	0.06	74.0	-20.23	Peak	360.00	300	Horizontal	Pass
4**	6605.200	44.85	0.06	54.0	-9.15	AV	360.00	300	Horizontal	Pass
5	12513.963	52.55	1.55	74.0	-21.45	Peak	38.00	400	Horizontal	Pass
5**	12513.963	42.68	1.55	54.0	-11.32	AV	38.00	400	Horizontal	Pass
6	13412.287	53.76	0.46	74.0	-20.24	Peak	62.00	300	Horizontal	Pass
6**	13412.287	45.27	0.46	54.0	-8.73	AV	62.00	300	Horizontal	Pass

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

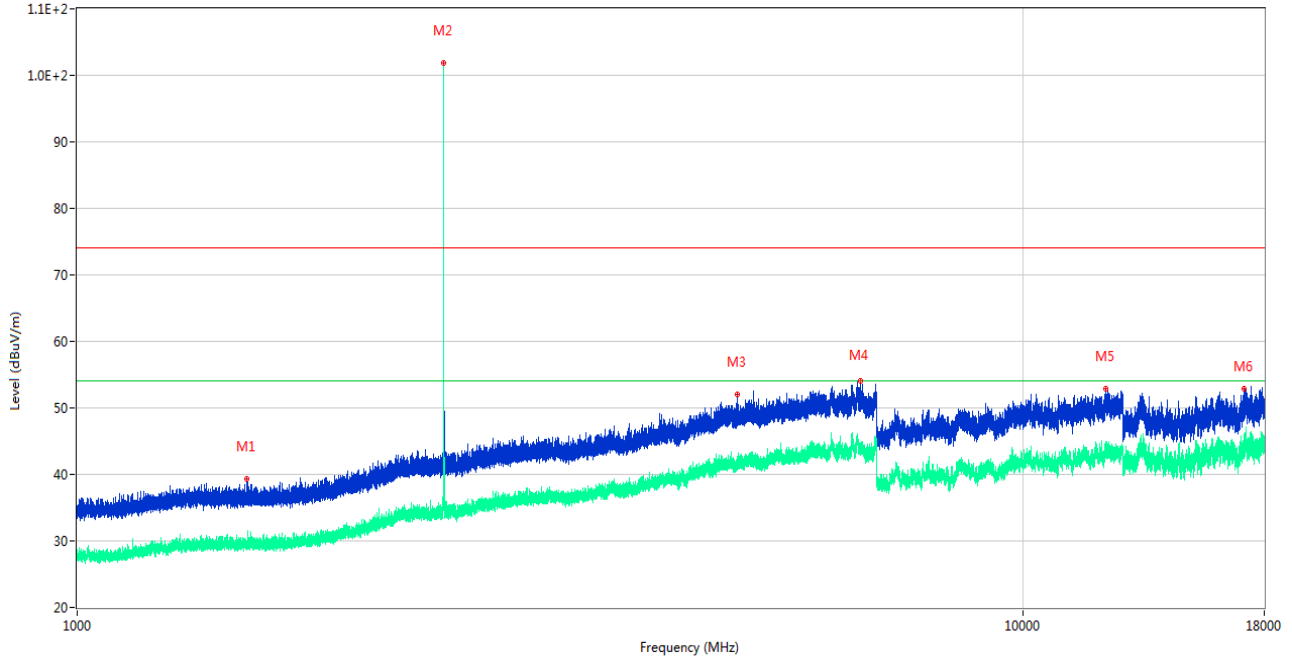
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.400	39.13	-17.50	74.0	-34.87	Peak	0.00	300	Vertical	Pass
1**	1555.400	30.25	-17.50	54.0	-23.75	AV	0.00	300	Vertical	Pass
2	2402.000	83.10	-12.26	74.0	9.10	Peak	185.00	100	Vertical	N/A
2**	2402.000	82.99	-12.26	54.0	28.99	AV	185.00	100	Vertical	N/A
3	4897.200	50.94	-2.94	74.0	-23.06	Peak	284.00	150	Vertical	Pass
3**	4897.200	41.79	-2.94	54.0	-12.21	AV	284.00	150	Vertical	Pass
4	6592.600	54.04	-1.15	74.0	-19.96	Peak	237.00	200	Vertical	Pass
4**	6592.600	45.78	-1.15	54.0	-8.22	AV	237.00	200	Vertical	Pass
5	12579.225	53.22	1.65	74.0	-20.78	Peak	110.00	300	Vertical	Pass
5**	12579.225	43.44	1.65	54.0	-10.56	AV	110.00	300	Vertical	Pass
6	17227.989	52.57	1.44	74.0	-21.43	Peak	20.00	400	Vertical	Pass
6**	17227.989	45.22	1.44	54.0	-8.78	AV	20.00	400	Vertical	Pass

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

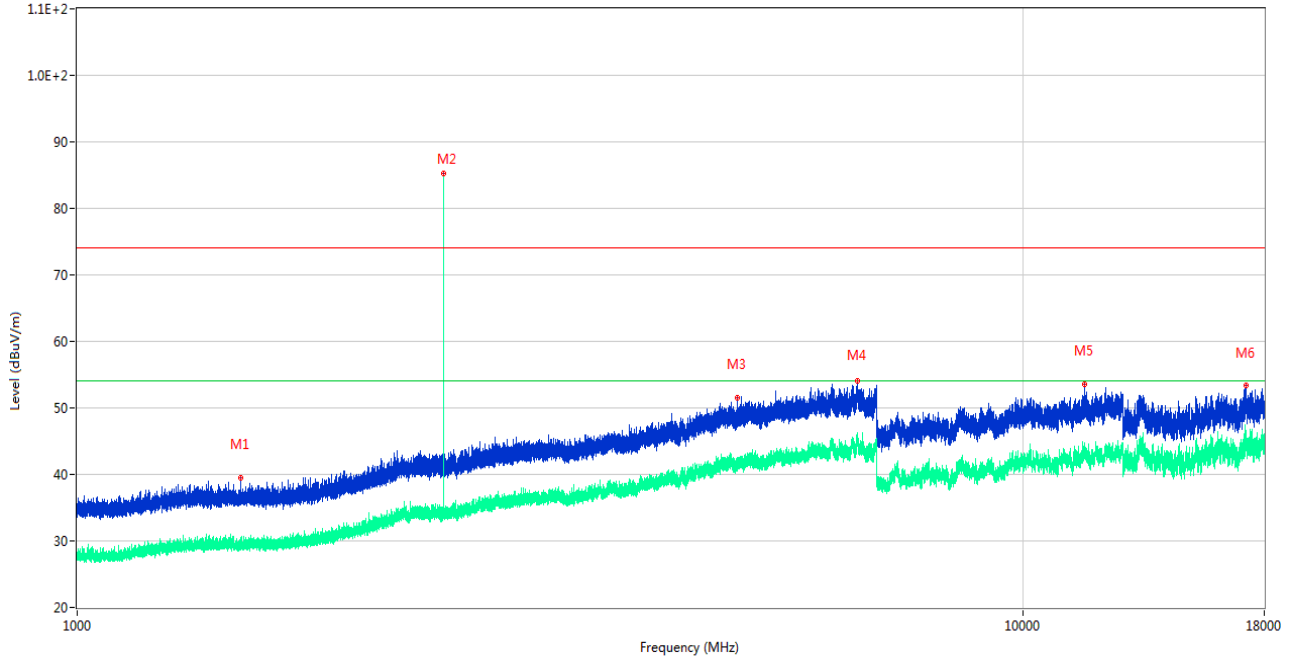
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	39.28	-17.59	74.0	-34.72	Peak	15.00	200	Horizontal	Pass
1**	1512.100	29.07	-17.59	54.0	-24.93	AV	15.00	200	Horizontal	Pass
2	2440.800	101.82	-12.79	74.0	27.82	Peak	151.00	150	Horizontal	N/A
2**	2440.800	100.02	-12.79	54.0	46.02	AV	151.00	150	Horizontal	N/A
3	4986.600	52.00	-2.91	74.0	-22.00	Peak	19.00	150	Horizontal	Pass
3**	4986.600	42.66	-2.91	54.0	-11.34	AV	19.00	150	Horizontal	Pass
4	6726.800	54.02	-0.85	74.0	-19.98	Peak	147.00	400	Horizontal	Pass
4**	6726.800	43.71	-0.85	54.0	-10.29	AV	147.00	400	Horizontal	Pass
5	12250.325	52.88	0.96	74.0	-21.12	Peak	146.00	300	Horizontal	Pass
5**	12250.325	43.56	0.96	54.0	-10.44	AV	146.00	300	Horizontal	Pass
6	17124.037	52.87	2.23	74.0	-21.13	Peak	18.00	300	Horizontal	Pass
6**	17124.037	43.49	2.23	54.0	-10.51	AV	18.00	300	Horizontal	Pass

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

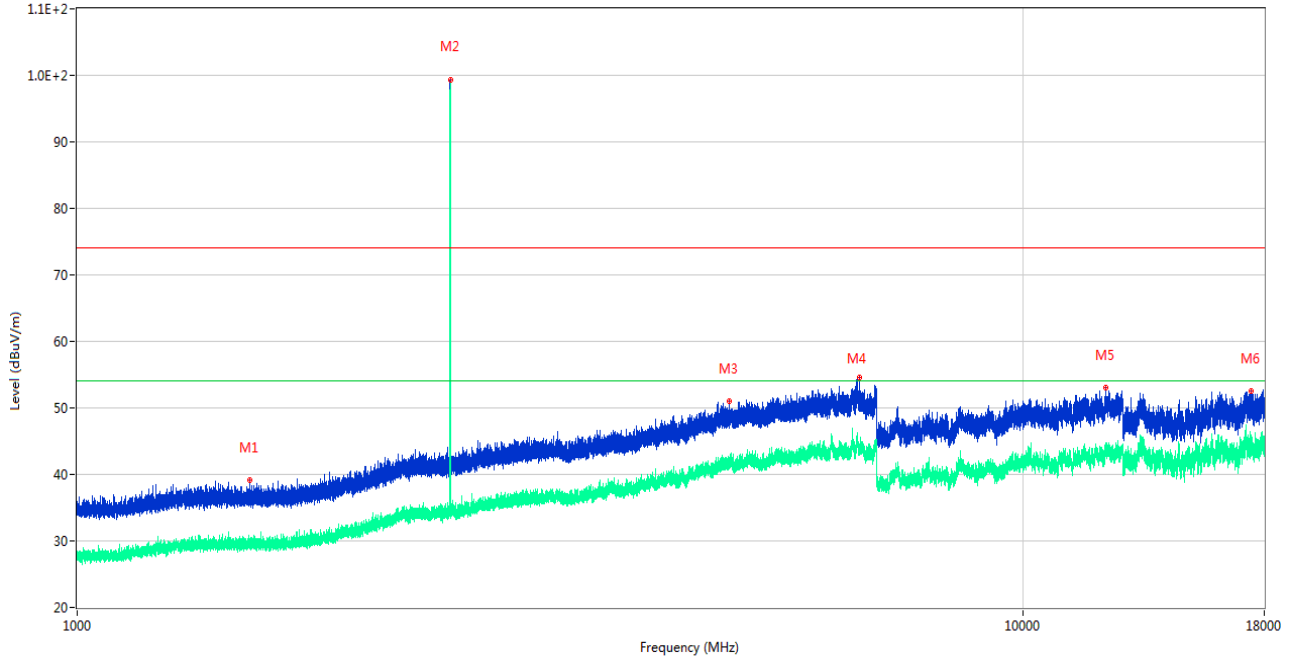
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.700	39.55	-17.50	74.0	-34.45	Peak	323.00	100	Vertical	Pass
1**	1489.700	29.65	-17.50	54.0	-24.35	AV	323.00	100	Vertical	Pass
2	2441.000	85.19	-12.82	74.0	11.19	Peak	120.00	150	Vertical	N/A
2**	2441.000	85.07	-12.82	54.0	31.07	AV	120.00	150	Vertical	N/A
3	4987.400	51.54	-2.92	74.0	-22.46	Peak	272.00	200	Vertical	Pass
3**	4987.400	41.06	-2.92	54.0	-12.94	AV	272.00	200	Vertical	Pass
4	6684.200	54.15	-0.30	74.0	-19.85	Peak	80.00	400	Vertical	Pass
4**	6684.200	45.27	-0.30	54.0	-8.73	AV	80.00	400	Vertical	Pass
5	11631.912	53.63	-0.20	74.0	-20.37	Peak	235.00	300	Vertical	Pass
5**	11631.912	43.39	-0.20	54.0	-10.61	AV	235.00	300	Vertical	Pass
6	17202.262	53.38	1.78	74.0	-20.62	Peak	39.00	200	Vertical	Pass
6**	17202.262	44.87	1.78	54.0	-9.13	AV	39.00	200	Vertical	Pass

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

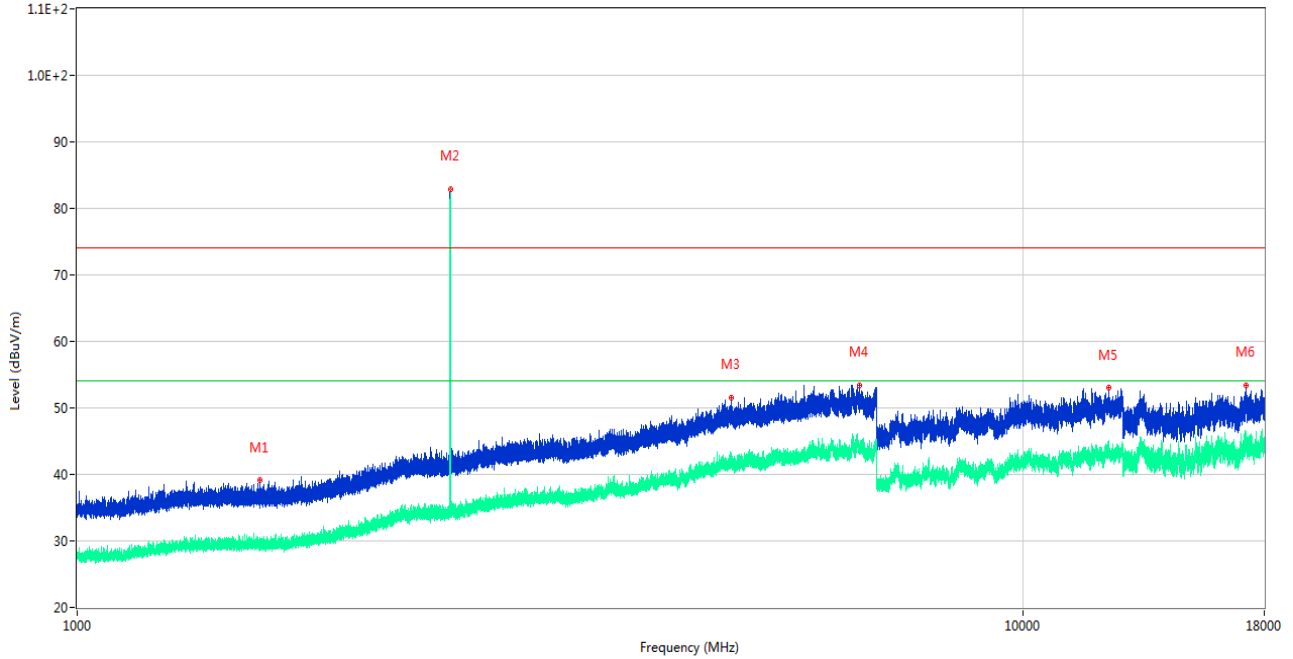
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.500	39.07	-17.53	74.0	-34.93	Peak	334.00	200	Horizontal	Pass
1**	1523.500	28.83	-17.53	54.0	-25.17	AV	334.00	200	Horizontal	Pass
2	2479.900	99.40	-12.43	74.0	25.40	Peak	152.00	200	Horizontal	N/A
2**	2479.900	98.54	-12.43	54.0	44.54	AV	152.00	200	Horizontal	N/A
3	4895.600	51.00	-3.01	74.0	-23.00	Peak	10.00	200	Horizontal	Pass
3**	4895.600	41.66	-3.01	54.0	-12.34	AV	10.00	200	Horizontal	Pass
4	6722.600	54.53	-1.06	74.0	-19.47	Peak	213.00	400	Horizontal	Pass
4**	6722.600	43.52	-1.06	54.0	-10.48	AV	213.00	400	Horizontal	Pass
5	12244.575	53.04	1.02	74.0	-20.96	Peak	100.00	300	Horizontal	Pass
5**	12244.575	44.27	1.02	54.0	-9.73	AV	100.00	300	Horizontal	Pass
6	17417.251	52.48	3.69	74.0	-21.52	Peak	228.00	300	Horizontal	Pass
6**	17417.251	44.12	3.69	54.0	-9.88	AV	228.00	300	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	1560.100	39.08	-17.60	74.0	-34.92	Peak	214.00	300	Vertical	Pass
1**	1560.100	28.69	-17.60	54.0	-25.31	AV	214.00	300	Vertical	Pass
2	2480.000	82.92	-12.43	74.0	8.92	Peak	13.00	200	Vertical	N/A
2**	2480.000	82.80	-12.43	54.0	28.80	AV	13.00	200	Vertical	N/A
3	4913.800	51.55	-2.26	74.0	-22.45	Peak	141.00	100	Vertical	Pass
3**	4913.800	43.25	-2.26	54.0	-10.75	AV	141.00	100	Vertical	Pass
4	6721.400	53.41	-1.14	74.0	-20.59	Peak	141.00	300	Vertical	Pass
4**	6721.400	43.52	-1.14	54.0	-10.48	AV	141.00	300	Vertical	Pass
5	12326.799	53.04	1.42	74.0	-20.96	Peak	0.00	300	Vertical	Pass
5**	12326.799	43.38	1.42	54.0	-10.62	AV	0.00	300	Vertical	Pass
6	17213.026	53.46	1.43	74.0	-20.54	Peak	250.00	100	Vertical	Pass
6**	17213.026	45.86	1.43	54.0	-8.14	AV	250.00	100	Vertical	Pass

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

Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

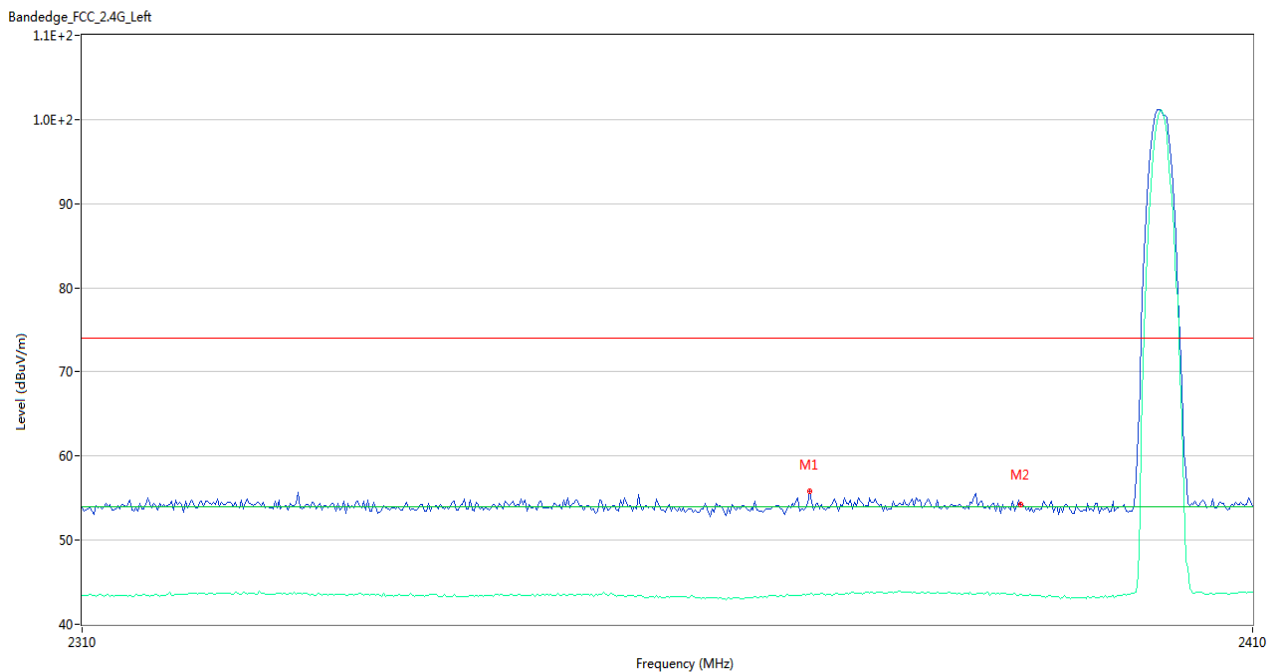
Note <sup>2</sup>: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note <sup>3</sup>: 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 <sup>4</sup>: The Level (dBuV/m) has been corrected by factor.

### Test Data and Plots

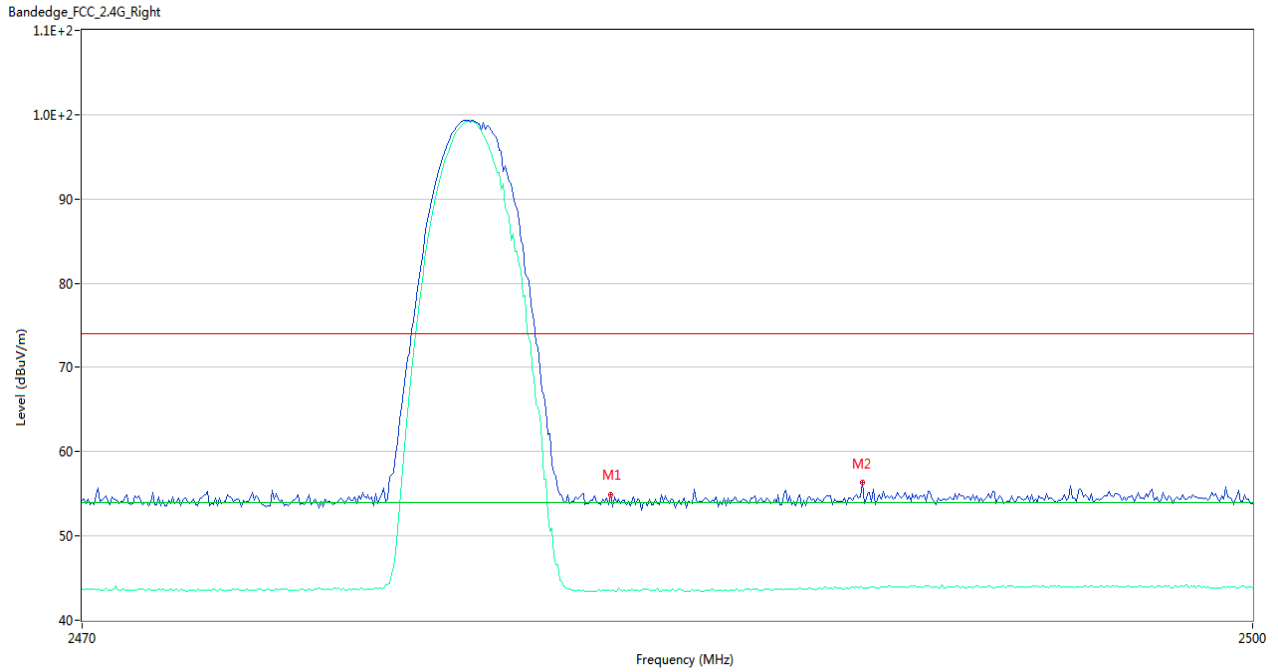
#### GFSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2371.667	55.76	-0.44	74.0	-18.24	Peak	338.00	150	Horizontal	Pass
1**	2371.667	43.59	-0.44	54.0	-10.41	AV	338.00	150	Horizontal	Pass
2	2389.833	54.19	-0.50	74.0	-19.81	Peak	309.00	100	Horizontal	Pass
2**	2389.833	43.56	-0.50	54.0	-10.44	AV	309.00	100	Horizontal	Pass

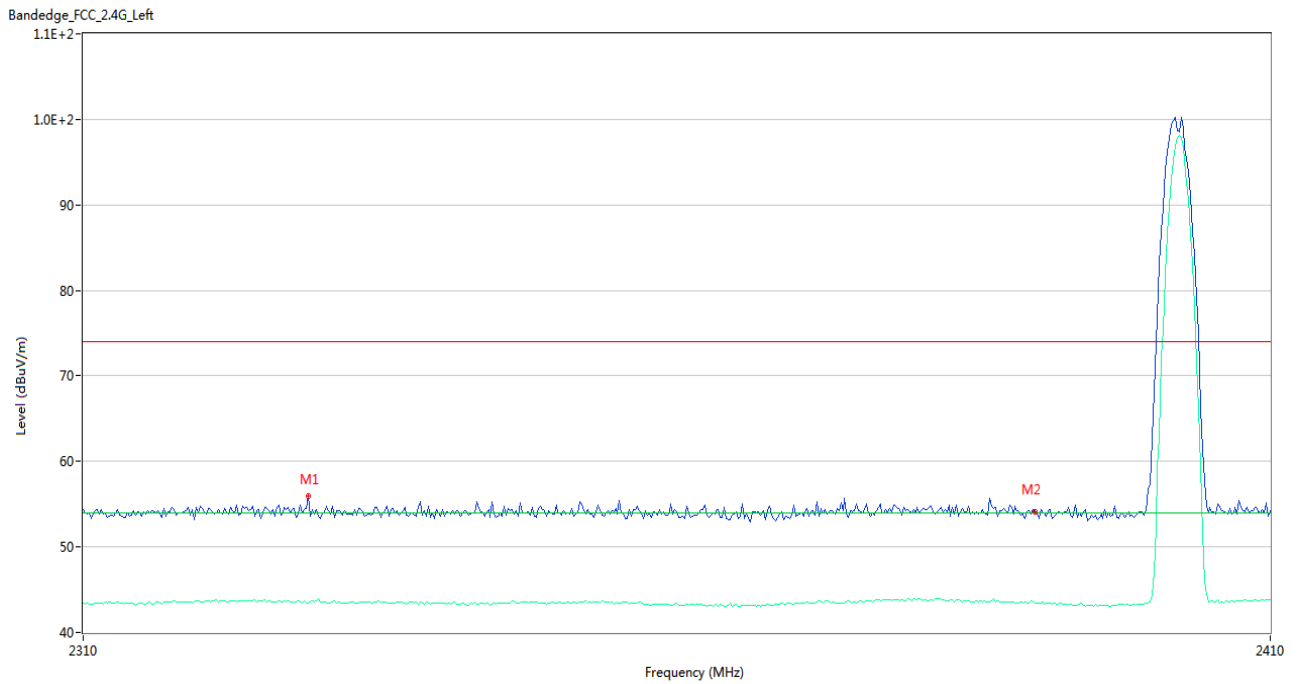


**GFSK HIGH CHANNEL**



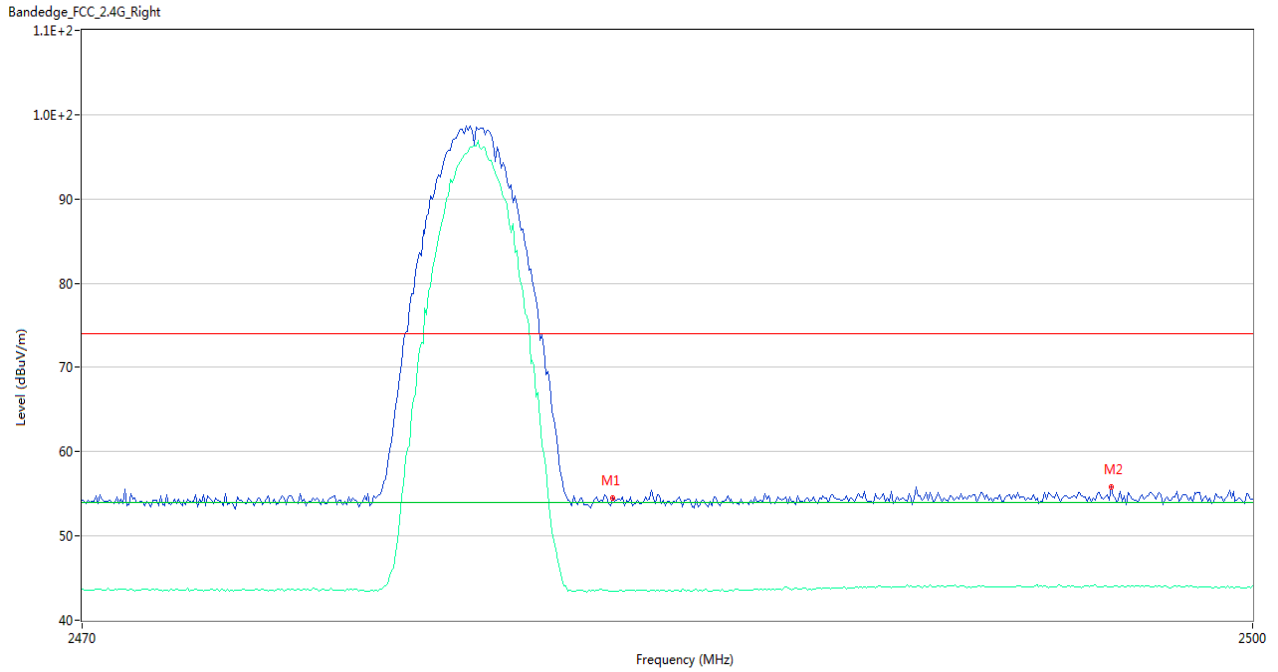
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.91	-0.36	74.0	-19.09	Peak	163.00	100	Horizontal	Pass
1**	2483.500	43.48	-0.36	54.0	-10.52	AV	163.00	100	Horizontal	Pass
2	2489.950	56.40	-0.10	74.0	-17.60	Peak	124.00	100	Horizontal	Pass
2**	2489.950	43.81	-0.10	54.0	-10.19	AV	124.00	100	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	2328.667	55.97	-0.72	74.0	-18.03	Peak	72.00	150	Horizontal	Pass
1**	2328.667	43.49	-0.72	54.0	-10.51	AV	72.00	150	Horizontal	Pass
2	2389.833	54.12	-0.50	74.0	-19.88	Peak	296.00	150	Horizontal	Pass
2**	2389.833	43.41	-0.50	54.0	-10.59	AV	296.00	150	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	2483.550	54.44	-0.36	74.0	-19.56	Peak	319.00	100	Horizontal	Pass
1**	2483.550	43.47	-0.36	54.0	-10.53	AV	319.00	100	Horizontal	Pass
2	2496.350	55.80	-0.01	74.0	-18.20	Peak	15.00	100	Horizontal	Pass
2**	2496.350	44.00	-0.01	54.0	-10.00	AV	15.00	100	Horizontal	Pass

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2280104-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2280104-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2280104-AI.PDF”.

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--END OF REPORT--