

$\pi/4$ -DQPSK HIGH CHANNEL



8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



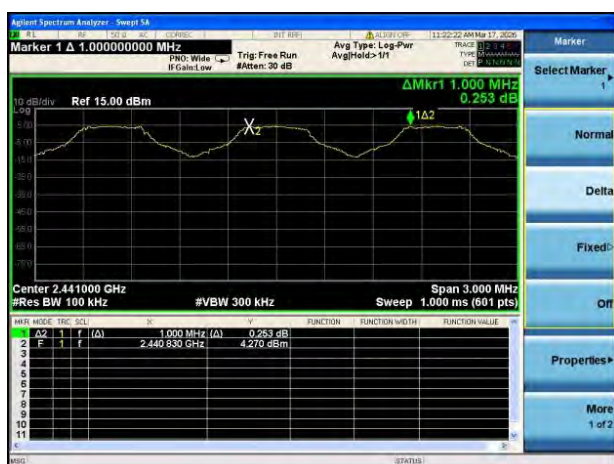
A.4 Hopping Frequency Separation

Test Data

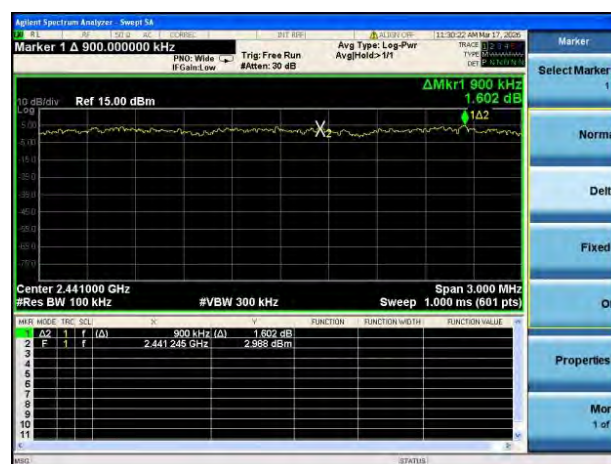
Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.680	Pass
8-DPSK	0.900	0.890	Pass

Test Plots

GFSK



8-DPSK



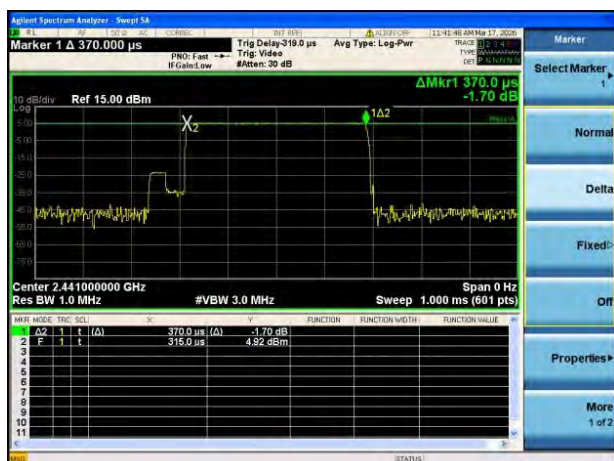
A.5 Average Time of Occupancy

Test Data

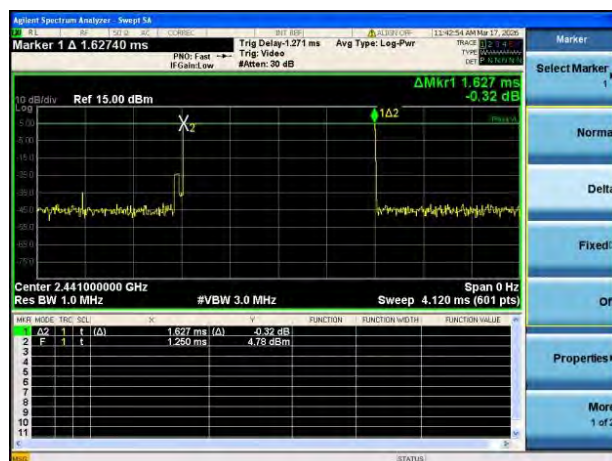
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37000	118.400	0.4	Pass
DH 3	1.62700	260.320	0.4	Pass
DH 5	2.87600	306.773	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.38000	121.600	0.4	Pass
3DH 3	1.63400	261.440	0.4	Pass
3DH 5	2.87600	306.773	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37170	59.472	0.4	Pass
DH 3	1.62700	130.160	0.4	Pass
DH 5	2.87600	153.387	0.4	Pass

Test Plots

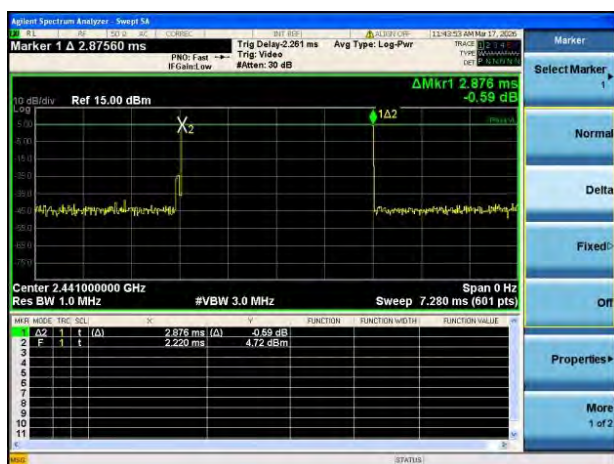
GFSK DH1



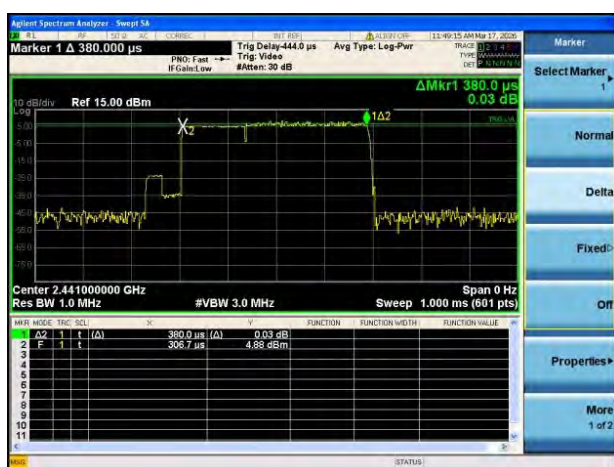
GFSK DH3



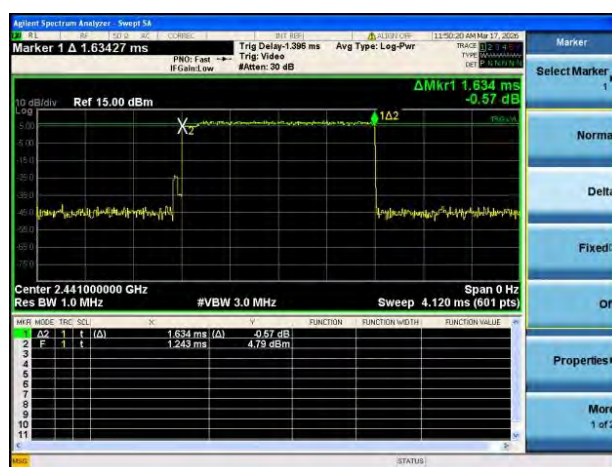
GFSK DH5



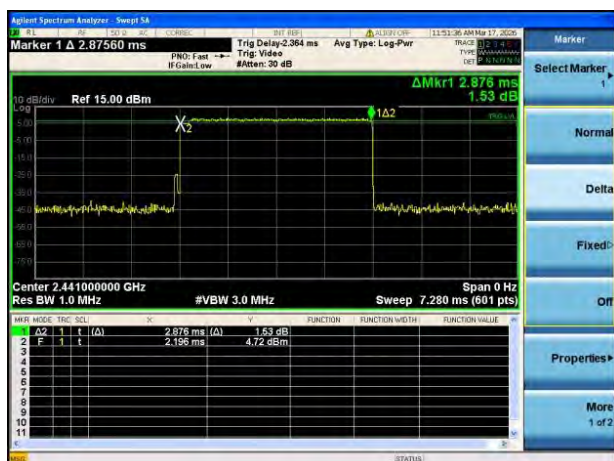
8-DPSK 3DH1



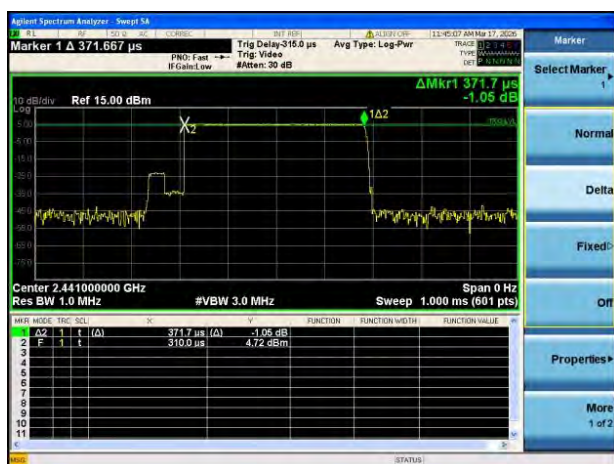
8-DPSK 3DH3



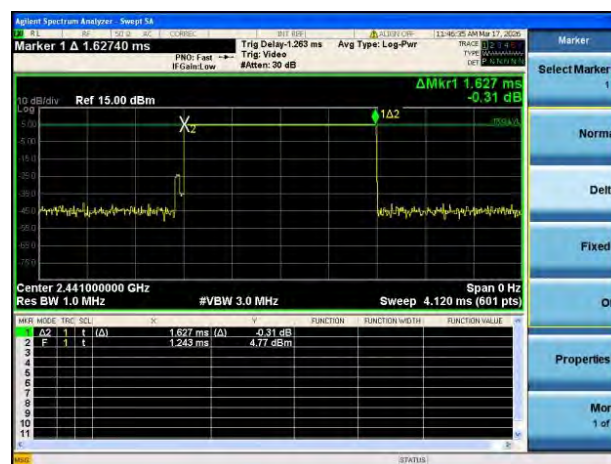
8-DPSK 3DH5



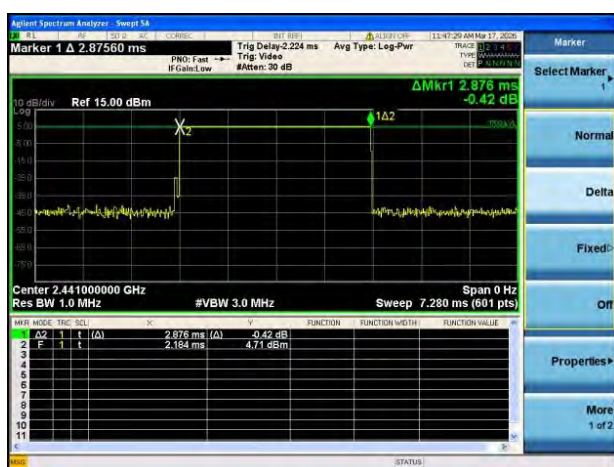
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.77	8.32	-11.68	Pass
Middle	-36.67	7.79	-12.21	Pass
High	-36.62	7.01	-12.99	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.26	5.27	-14.74	Pass
Middle	-36.62	4.04	-15.96	Pass
High	-36.15	4.11	-15.89	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-27.09	5.01	-14.99	Pass
8-DPSK	-25.65	4.92	-15.09	Pass

Test Plots

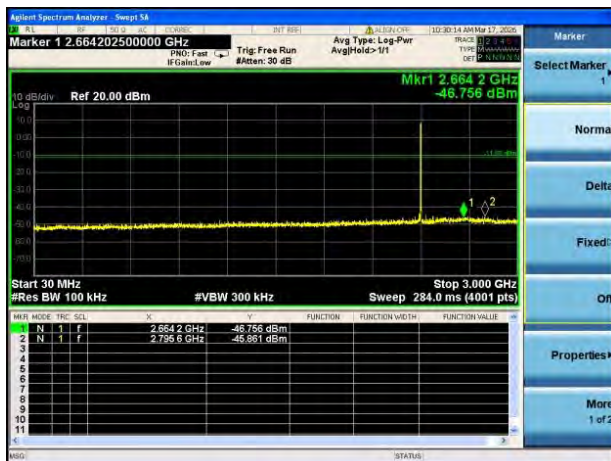
GFSK LOW CHANNEL, CARRIER LEVEL



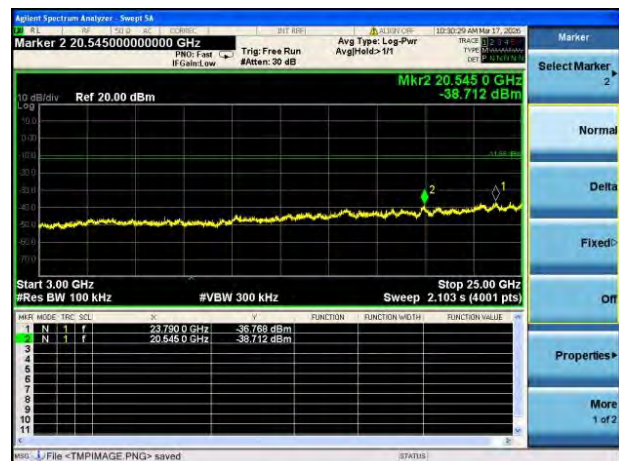
GFSK LOW CHANNEL, BAND EDGE



GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



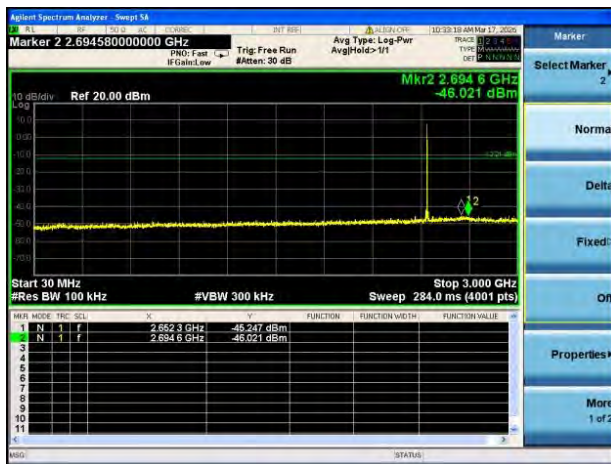
GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



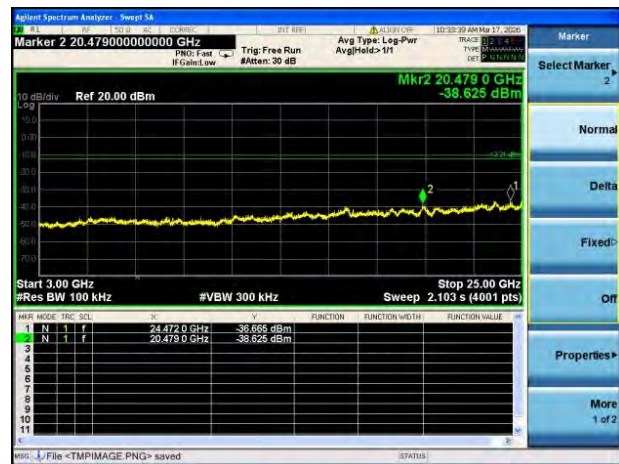
GFSK MIDDLE CHANNEL, CARRIER LEVEL



GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



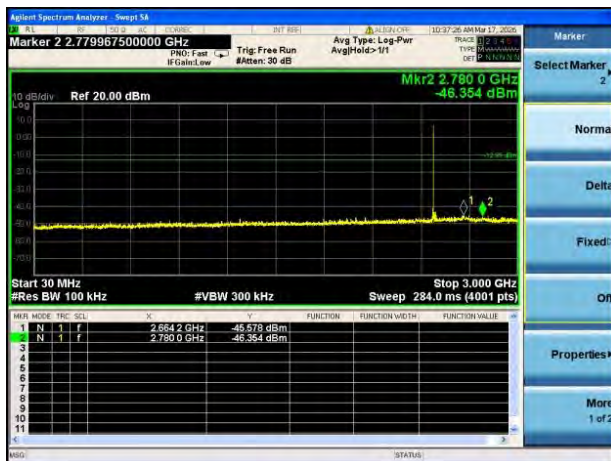
GFSK HIGH CHANNEL, CARRIER LEVEL



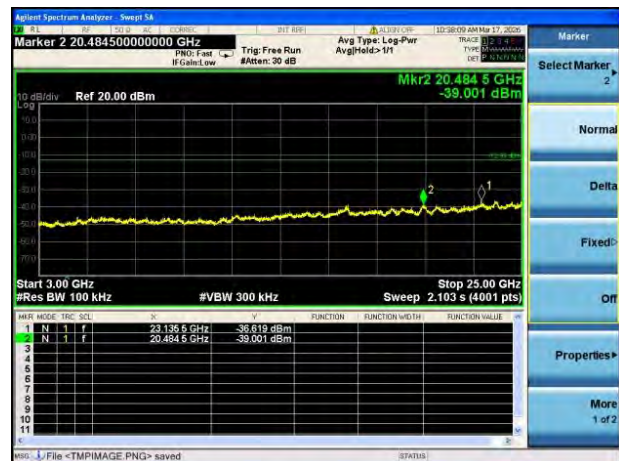
GFSK HIGH CHANNEL, BAND EDGE



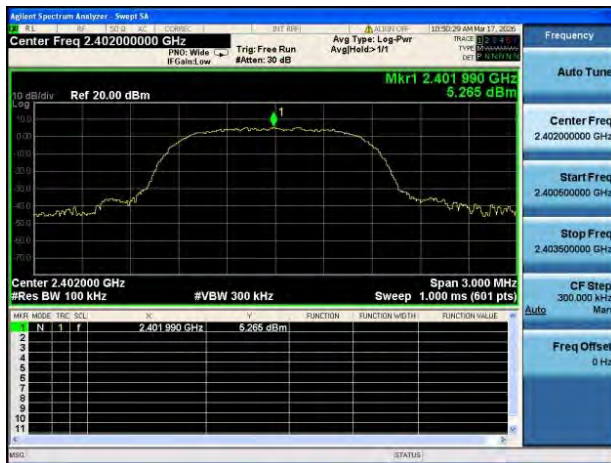
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



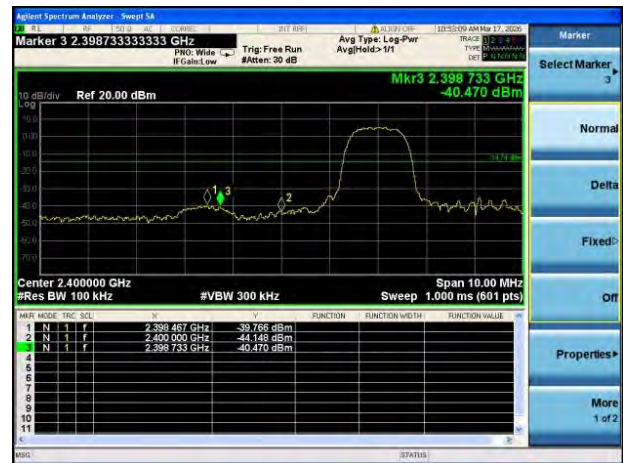
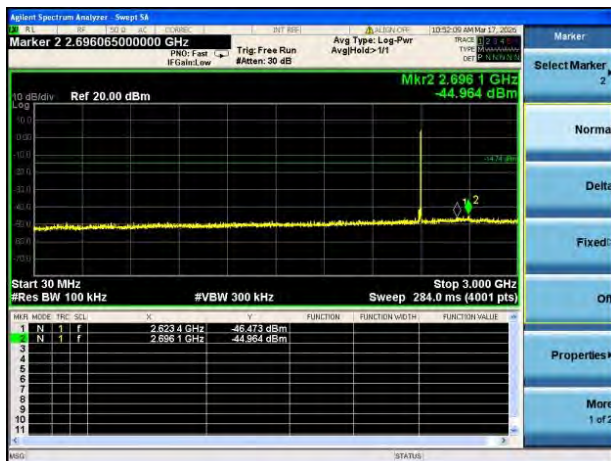
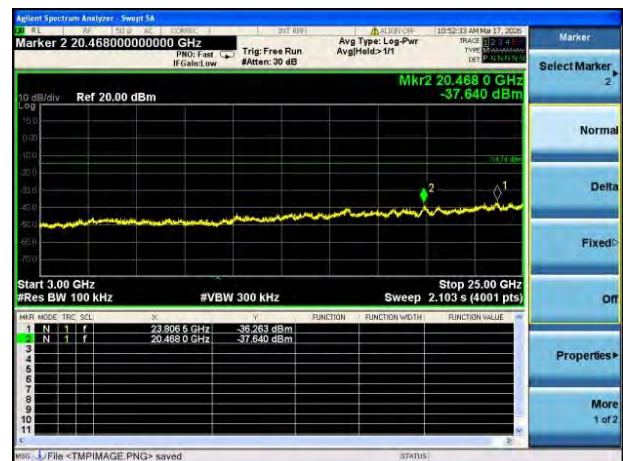
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



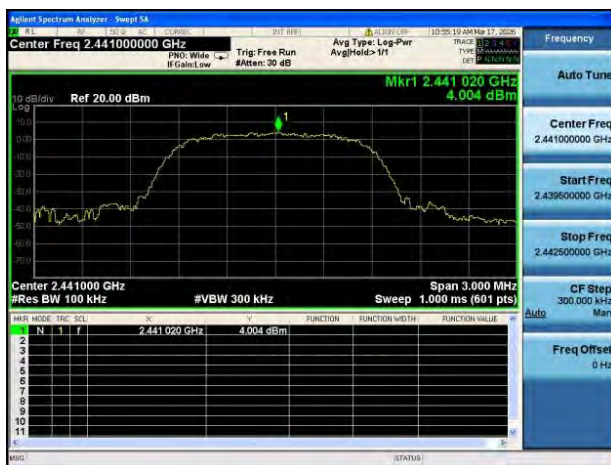
8-DPSK LOW CHANNEL, CARRIER LEVEL



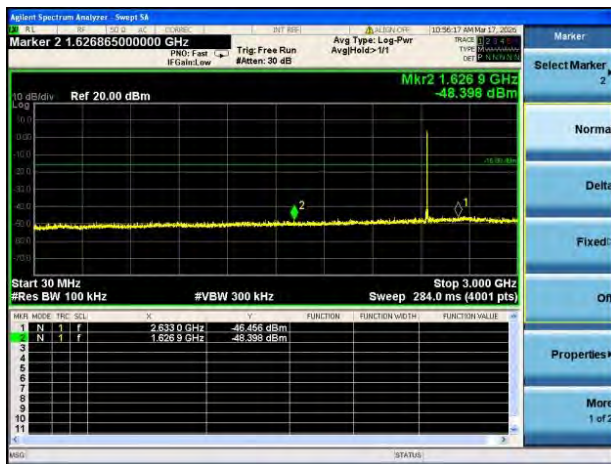
8-DPSK LOW CHANNEL, BAND EDGE

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

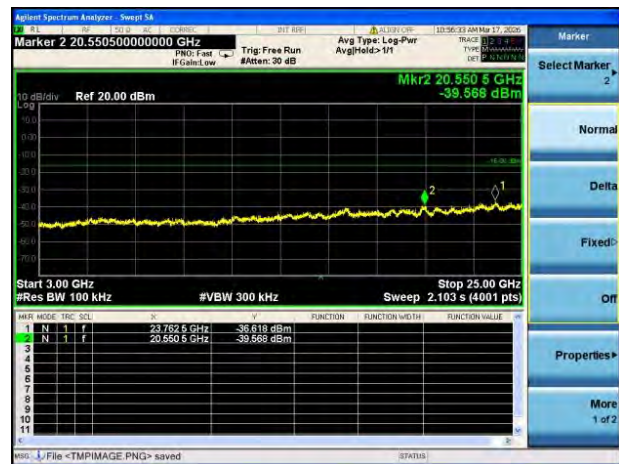
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



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



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



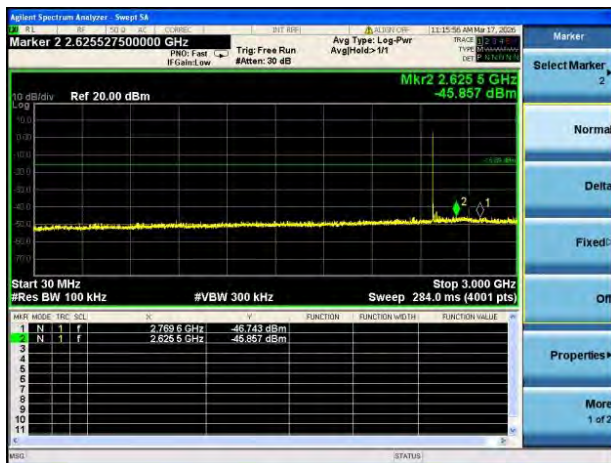
8-DPSK HIGH CHANNEL, CARRIER LEVEL



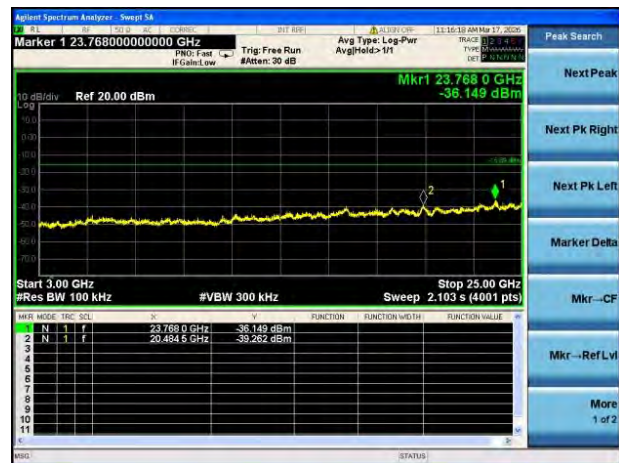
8-DPSK HIGH CHANNEL, BAND EDGE



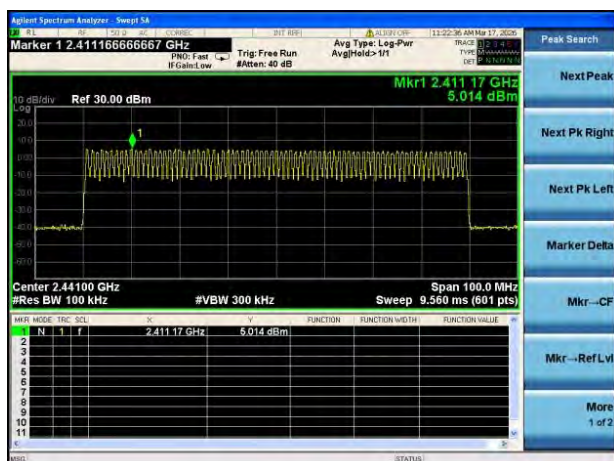
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



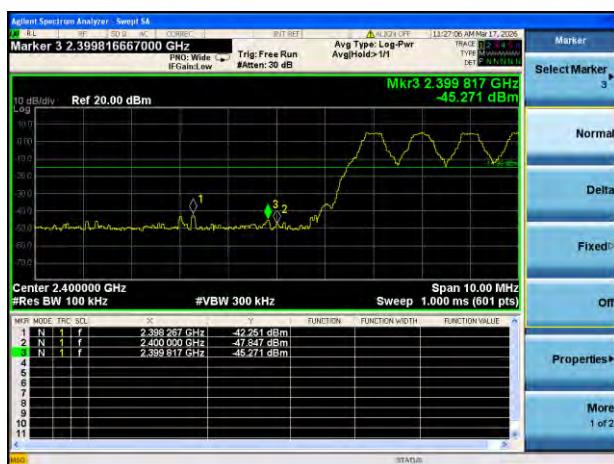
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



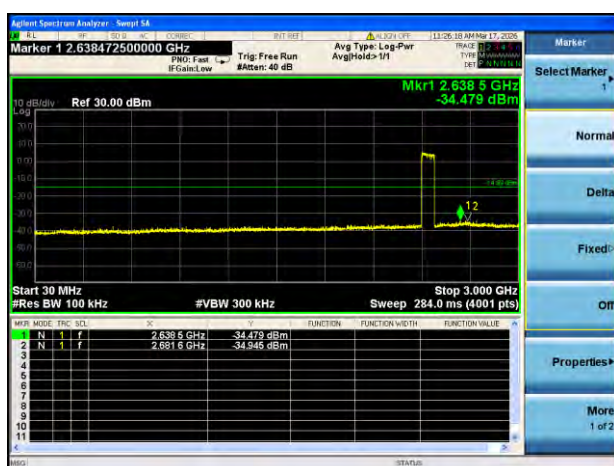
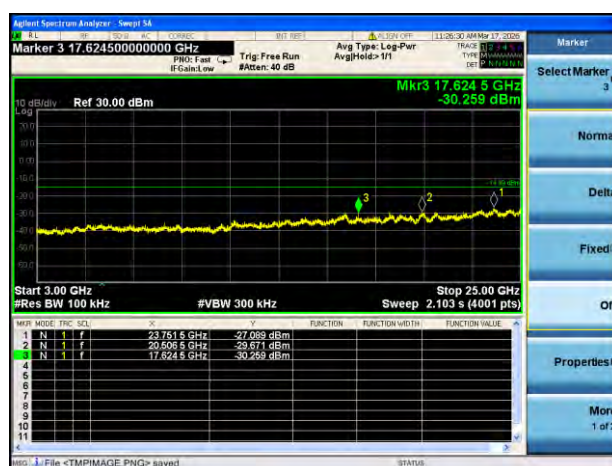
GFSK HOPPING, CARRIER LEVEL



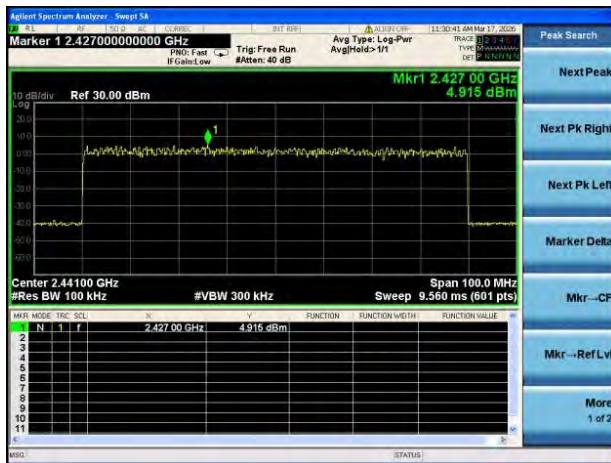
GFSK HOPPING BAND EDGE (LOW)



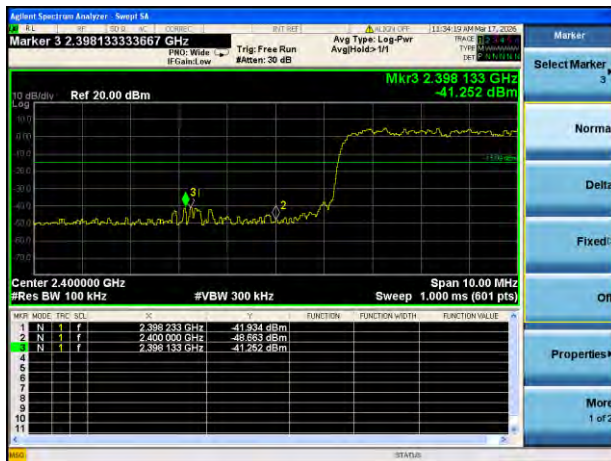
GFSK HOPPING BAND EDGE (HIGH)

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

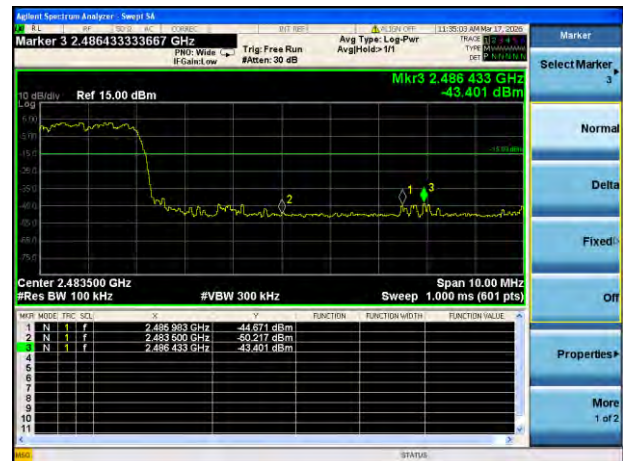
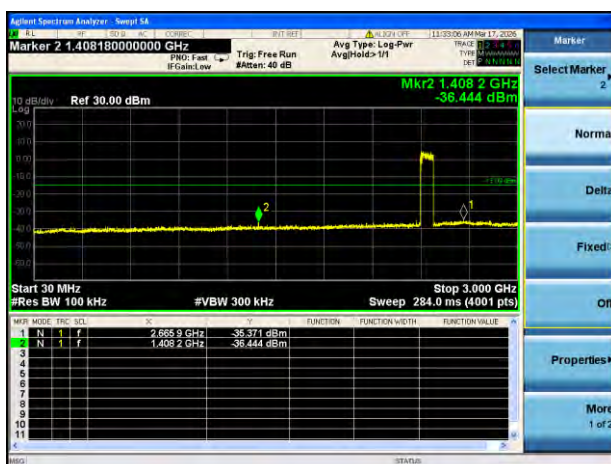
8-DPSK HOPPING, CARRIER LEVEL



8-DPSK Hopping BAND EDGE (LOW)



8-DPSK Hopping BAND EDGE (HIGH)

8-DPSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHz8-DPSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

A.7 Conducted Emissions

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

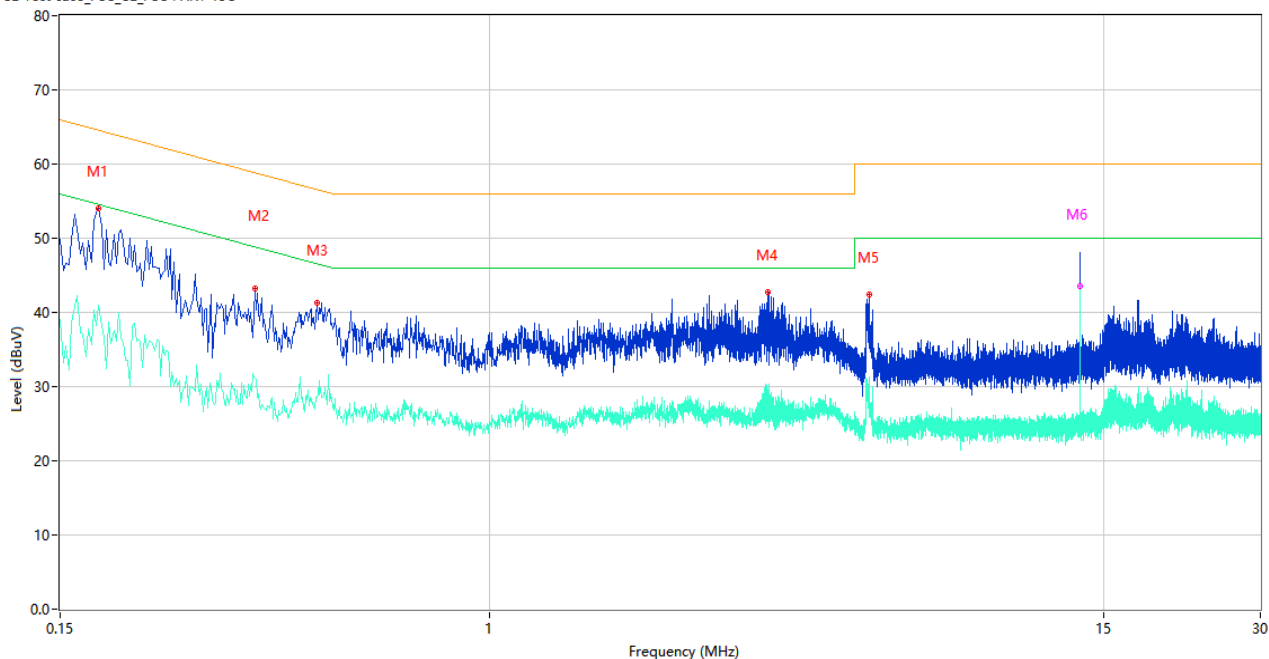
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

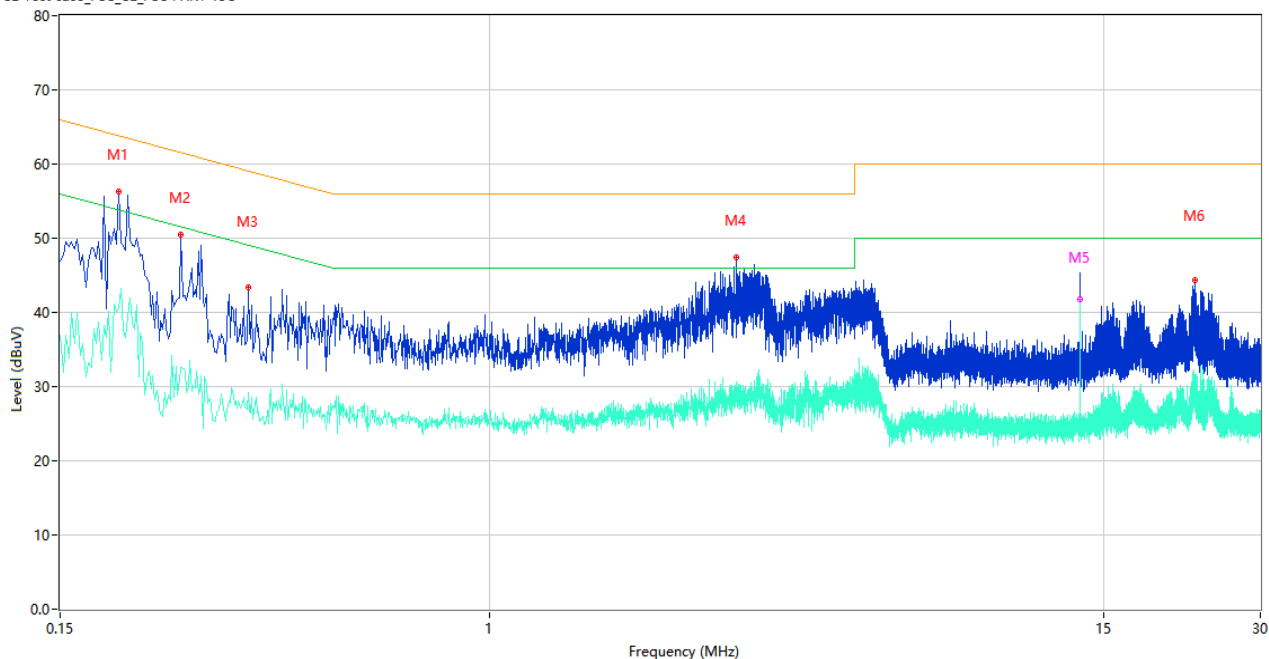
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.178	53.98	9.85	64.58	10.60	Peak	L	Pass
1**	0.178	40.95	9.85	54.58	13.63	AV	L	Pass
2	0.354	43.24	10.80	58.87	15.63	Peak	L	Pass
2**	0.354	31.10	10.80	48.87	17.77	AV	L	Pass
3	0.466	41.27	10.07	56.58	15.31	Peak	L	Pass
3**	0.466	28.62	10.07	46.58	17.96	AV	L	Pass
4	3.408	42.67	10.29	56.00	13.33	Peak	L	Pass
4**	3.408	29.51	10.29	46.00	16.49	AV	L	Pass
5	5.336	42.39	10.31	60.00	17.61	Peak	L	Pass
5**	5.336	31.28	10.31	50.00	18.72	AV	L	Pass
6	13.558	48.03	10.40	60.00	11.97	Peak	L	Pass
6**	13.558	43.55	10.40	50.00	6.45	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	0.194	56.34	9.84	63.86	7.52	Peak	N	Pass
1**	0.194	40.54	9.84	53.86	13.32	AV	N	Pass
2	0.256	50.45	9.82	61.56	11.11	Peak	N	Pass
2**	0.256	32.57	9.82	51.56	18.99	AV	N	Pass
3	0.344	43.34	10.70	59.11	15.77	Peak	N	Pass
3**	0.344	29.20	10.70	49.11	19.91	AV	N	Pass
4	2.968	47.48	10.28	56.00	8.52	Peak	N	Pass
4**	2.968	28.20	10.28	46.00	17.80	AV	N	Pass
5	13.556	45.31	10.38	60.00	14.69	Peak	N	Pass
5**	13.556	41.83	10.38	50.00	8.17	AV	N	Pass
6	22.488	44.37	11.10	60.00	15.63	Peak	N	Pass
6**	22.488	31.58	11.10	50.00	18.42	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 C63.10-2020, 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.

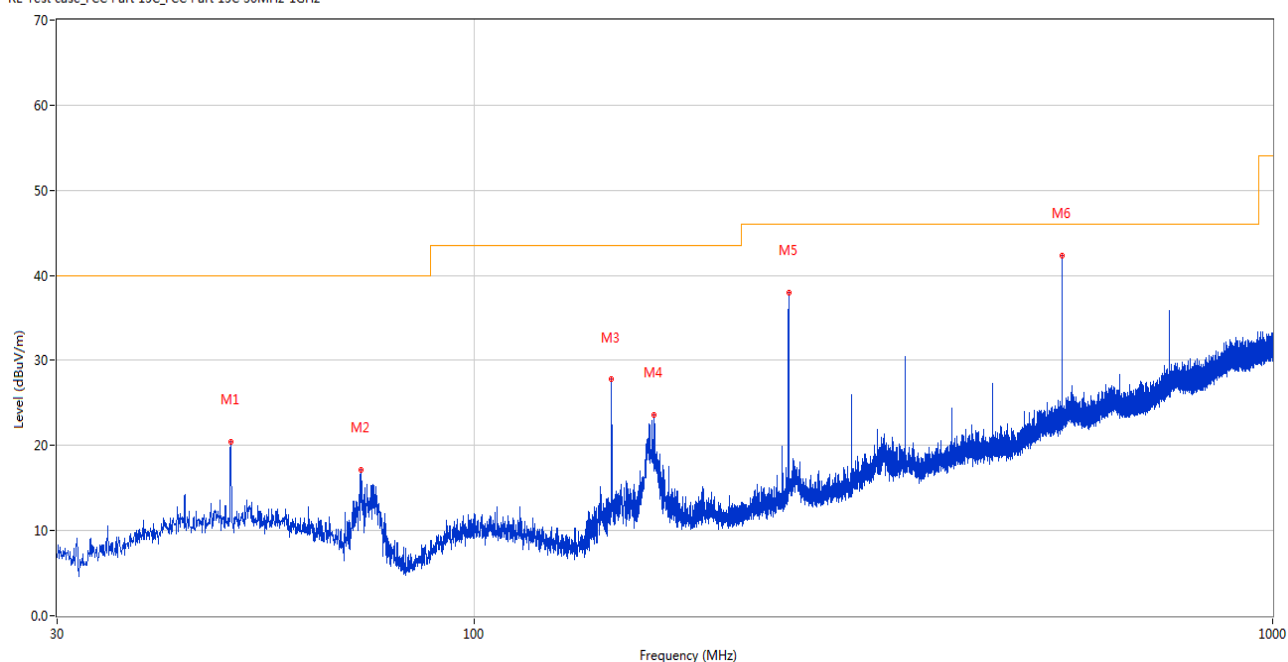
Note ⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

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

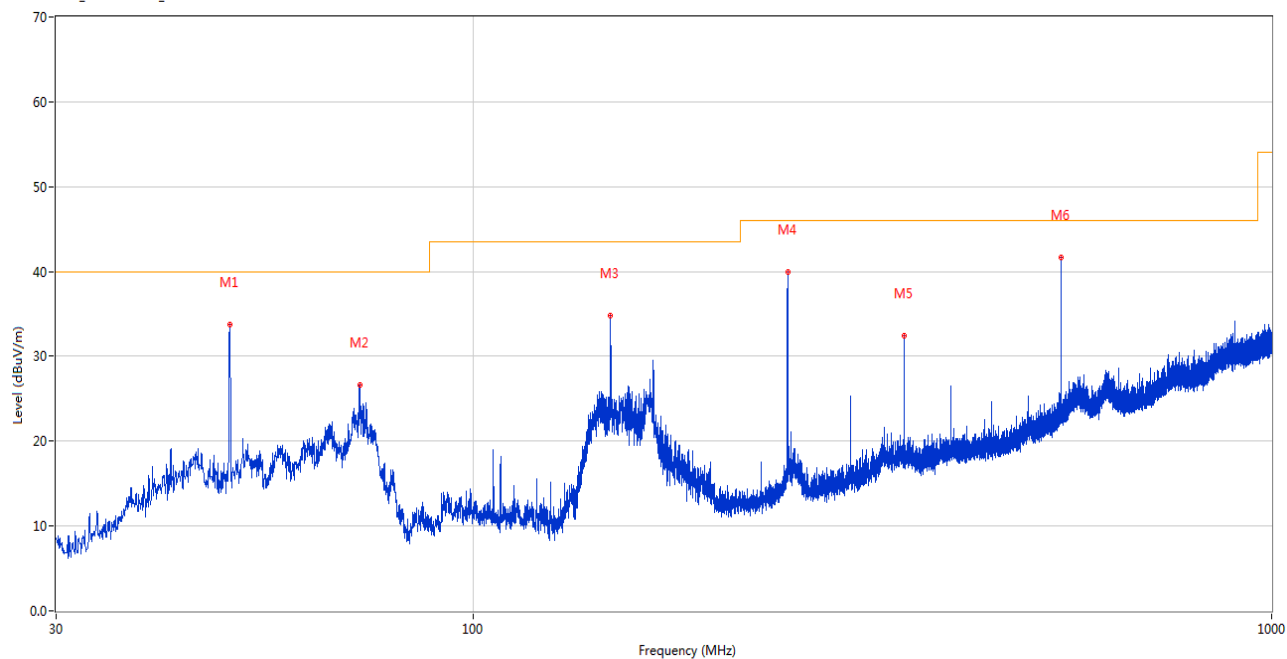
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.497	20.44	-24.14	40.0	19.56	Peak	178.30	100	Horizontal	Pass
2	72.001	17.13	-28.82	40.0	22.87	Peak	206.60	100	Horizontal	Pass
3	148.534	27.75	-28.78	43.5	15.75	Peak	191.20	100	Horizontal	Pass
4	167.982	23.63	-27.14	43.5	19.87	Peak	341.20	100	Horizontal	Pass
5	247.523	38.00	-22.91	46.0	8.00	Peak	321.90	100	Horizontal	Pass
6	544.488	42.28	-14.65	46.0	3.72	Peak	155.10	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



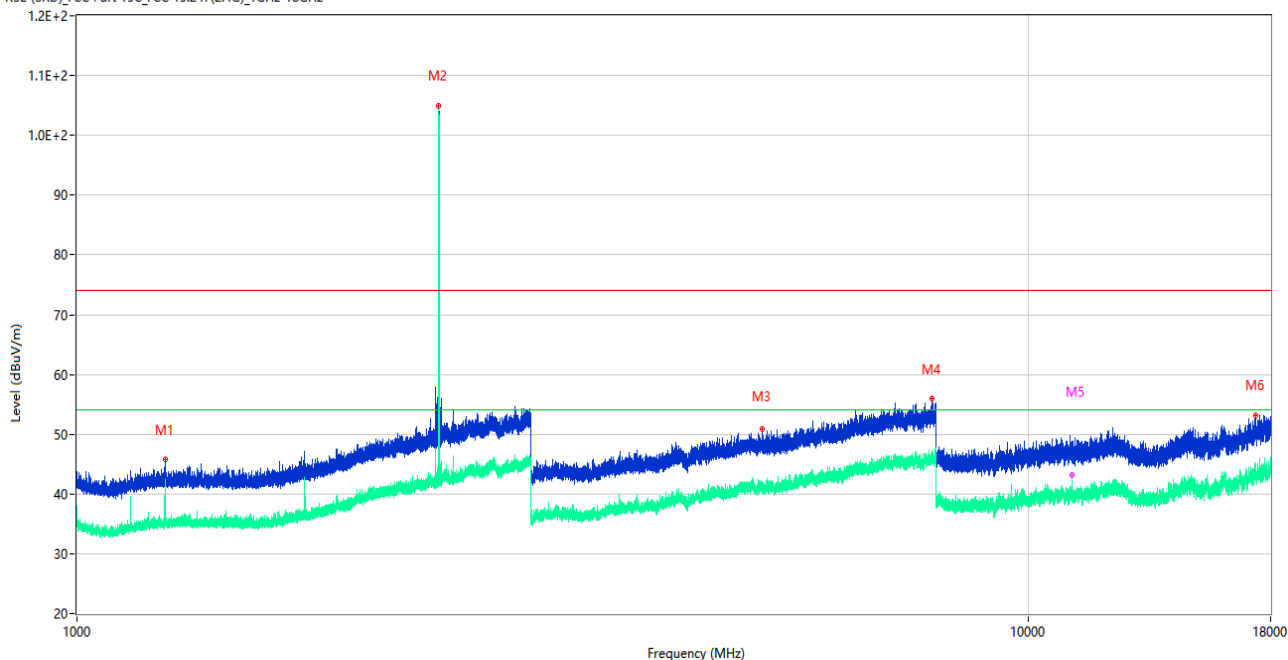
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.497	33.80	-24.14	40.0	6.20	Peak	171.40	100	Vertical	Pass
2	72.001	26.64	-28.82	40.0	13.36	Peak	98.00	100	Vertical	Pass
3	148.534	34.86	-28.78	43.5	8.64	Peak	282.80	100	Vertical	Pass
4	247.523	39.99	-22.91	46.0	6.01	Peak	357.40	100	Vertical	Pass
5	346.511	32.39	-19.34	46.0	13.61	Peak	188.10	100	Vertical	Pass
6	544.537	41.70	-14.65	46.0	4.30	Peak	70.30	100	Vertical	Pass

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

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

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

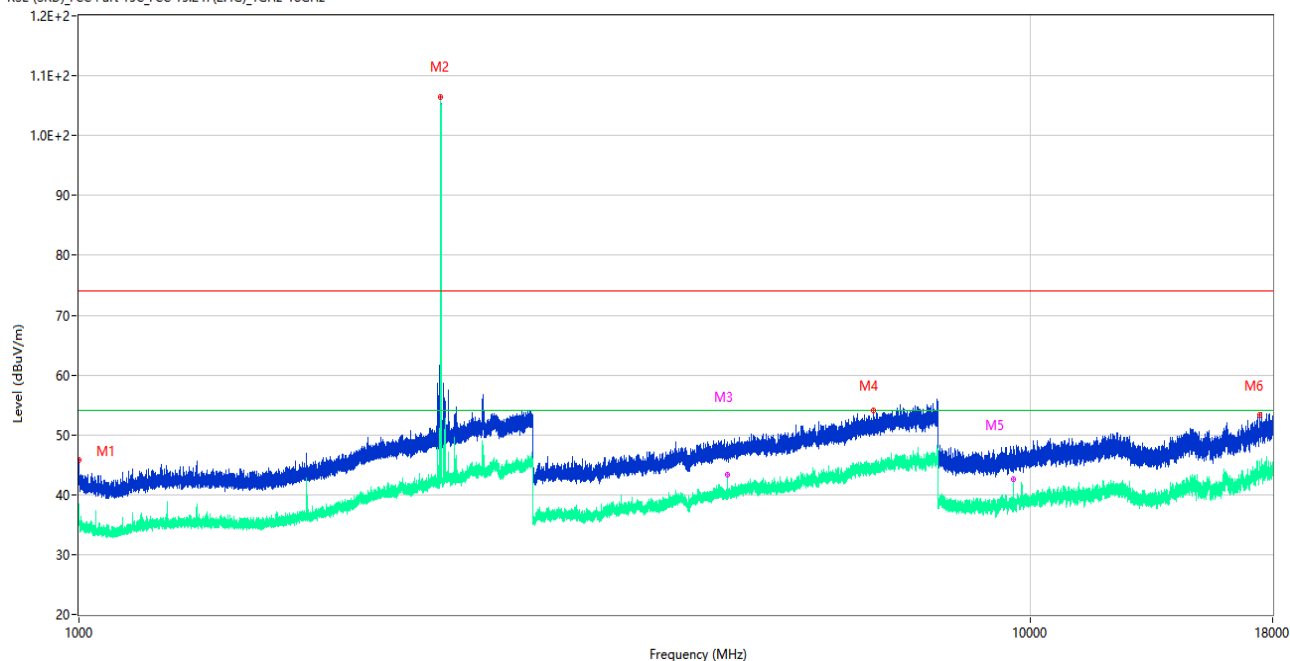
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1237.400	45.75	74.0	28.25	Peak	140.00	300	Horizontal	Pass
1**	1237.400	40.87	54.0	13.13	AV	140.00	300	Horizontal	Pass
2	2402.100	104.99	74.0	-30.99	Peak	50.00	100	Horizontal	N/A
2**	2402.100	104.77	54.0	-50.77	AV	50.00	100	Horizontal	N/A
3	5250.500	50.94	74.0	23.06	Peak	0.00	150	Horizontal	Pass
3**	5250.500	40.58	54.0	13.42	AV	0.00	150	Horizontal	Pass
4	7919.500	55.93	74.0	18.07	Peak	137.00	400	Horizontal	Pass
4**	7919.500	46.43	54.0	7.57	AV	137.00	400	Horizontal	Pass
5	11140.225	46.75	74.0	27.25	Peak	80.00	150	Horizontal	Pass
5**	11140.225	43.13	54.0	10.87	AV	80.00	150	Horizontal	Pass
6	17347.426	53.14	74.0	20.86	Peak	1.00	400	Horizontal	Pass
6**	17347.426	44.54	54.0	9.46	AV	1.00	400	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

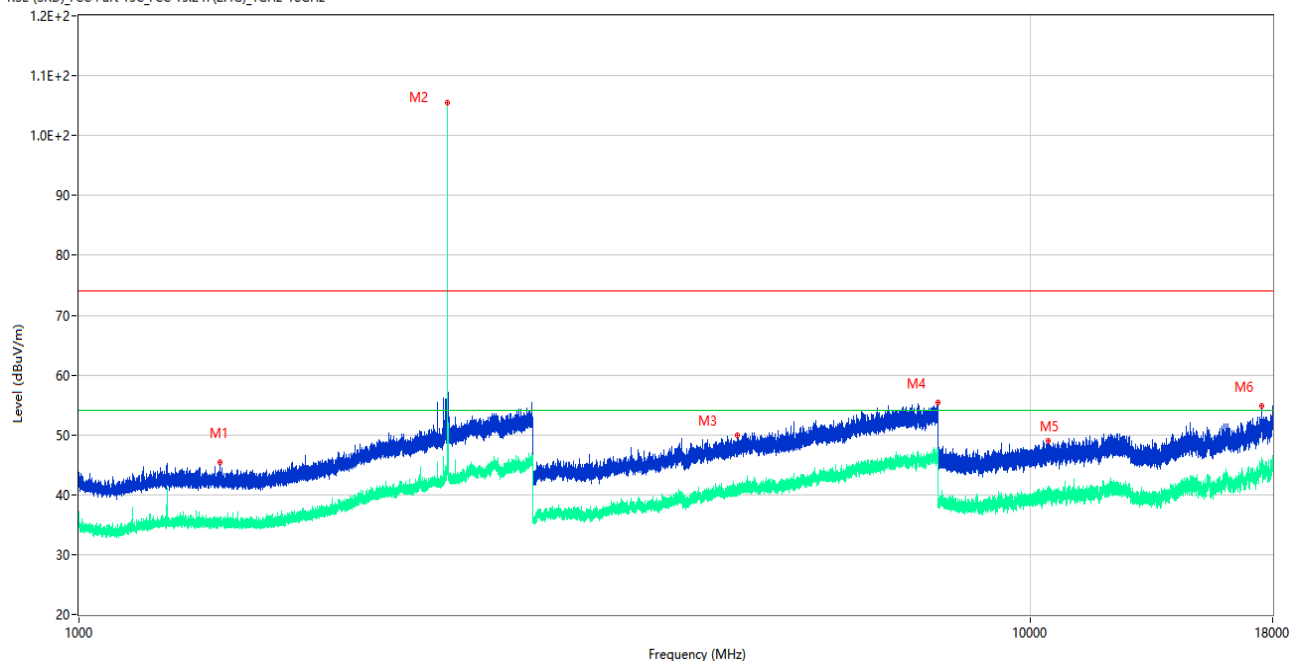
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.300	45.80	74.0	28.20	Peak	228.00	200	Vertical	Pass
1**	1000.300	37.67	54.0	16.33	AV	228.00	200	Vertical	Pass
2	2401.800	106.37	74.0	-32.37	Peak	124.00	150	Vertical	N/A
2**	2401.800	105.66	54.0	-51.66	AV	124.00	150	Vertical	N/A
3	4803.750	47.60	74.0	26.40	Peak	86.00	150	Vertical	Pass
3**	4803.750	43.33	54.0	10.67	AV	86.00	150	Vertical	Pass
4	6848.500	54.10	74.0	19.90	Peak	0.00	150	Vertical	Pass
4**	6848.500	44.09	54.0	9.91	AV	0.00	150	Vertical	Pass
5	9608.112	48.10	74.0	25.90	Peak	93.00	150	Vertical	Pass
5**	9608.112	42.51	54.0	11.49	AV	93.00	150	Vertical	Pass
6	17453.214	53.31	74.0	20.69	Peak	117.00	200	Vertical	Pass
6**	17453.214	43.54	54.0	10.46	AV	117.00	200	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

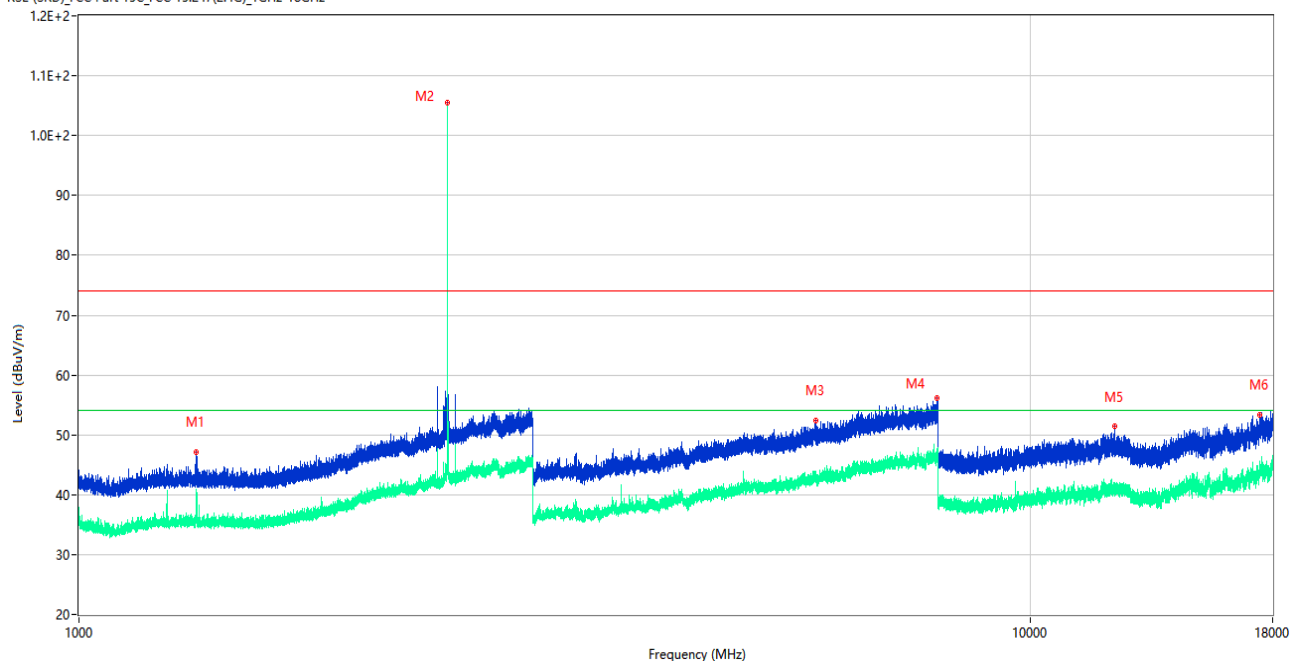
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1405.800	45.41	74.0	28.59	Peak	3.00	200	Horizontal	Pass
1**	1405.800	35.07	54.0	18.93	AV	3.00	200	Horizontal	Pass
2	2441.100	105.58	74.0	-31.58	Peak	132.00	150	Horizontal	N/A
2**	2441.100	105.38	54.0	-51.38	AV	132.00	150	Horizontal	N/A
3	4930.500	49.91	74.0	24.09	Peak	45.00	200	Horizontal	Pass
3**	4930.500	41.12	54.0	12.88	AV	45.00	200	Horizontal	Pass
4	7996.750	55.43	74.0	18.57	Peak	308.00	100	Horizontal	Pass
4**	7996.750	46.84	54.0	7.16	AV	308.00	100	Horizontal	Pass
5	10450.525	48.91	74.0	25.09	Peak	9.00	150	Horizontal	Pass
5**	10450.525	39.63	54.0	14.37	AV	9.00	150	Horizontal	Pass
6	17545.875	54.91	74.0	19.09	Peak	89.00	150	Horizontal	Pass
6**	17545.875	46.05	54.0	7.95	AV	89.00	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

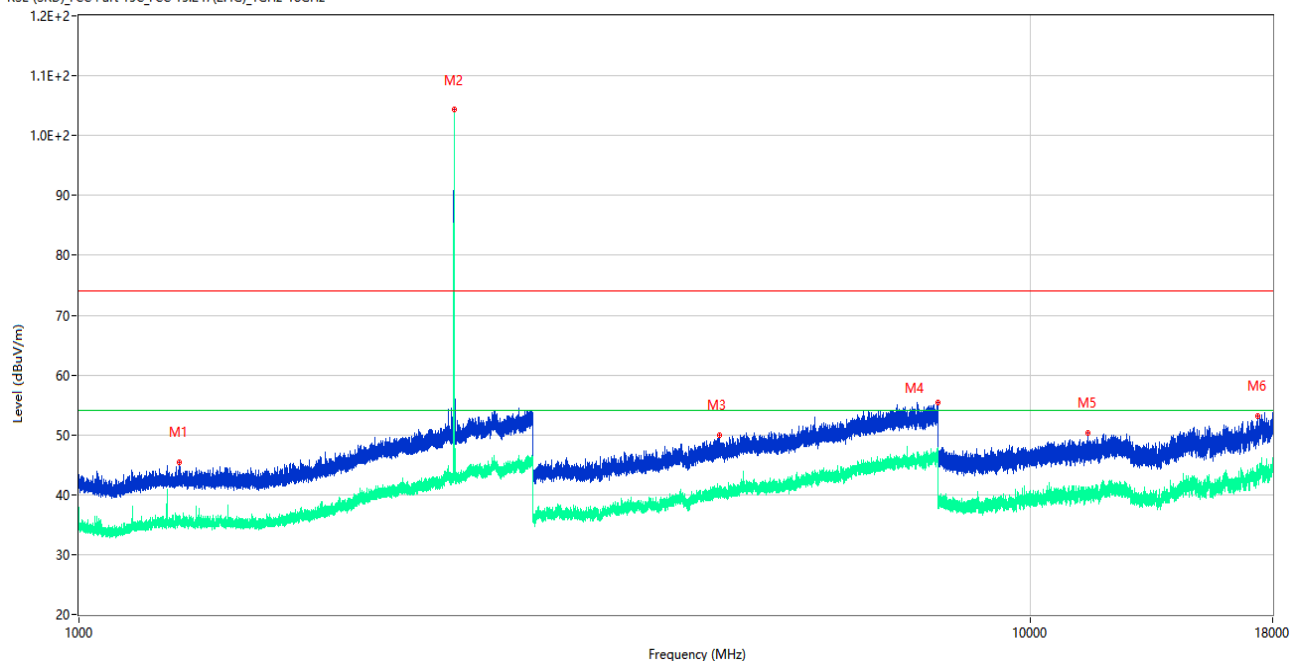
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.500	47.12	74.0	26.88	Peak	163.00	100	Vertical	Pass
1**	1329.500	38.59	54.0	15.41	AV	163.00	100	Vertical	Pass
2	2440.800	105.53	74.0	-31.53	Peak	125.00	200	Vertical	N/A
2**	2440.800	104.69	54.0	-50.69	AV	125.00	200	Vertical	N/A
3	5951.000	52.44	74.0	21.56	Peak	346.00	150	Vertical	Pass
3**	5951.000	42.33	54.0	11.67	AV	346.00	150	Vertical	Pass
4	7993.750	56.14	74.0	17.86	Peak	126.00	300	Vertical	Pass
4**	7993.750	47.21	54.0	6.79	AV	126.00	300	Vertical	Pass
5	12294.000	51.38	74.0	22.62	Peak	191.00	400	Vertical	Pass
5**	12294.000	40.85	54.0	13.15	AV	191.00	400	Vertical	Pass
6	17437.989	53.38	74.0	20.62	Peak	315.00	400	Vertical	Pass
6**	17437.989	44.99	54.0	9.01	AV	315.00	400	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

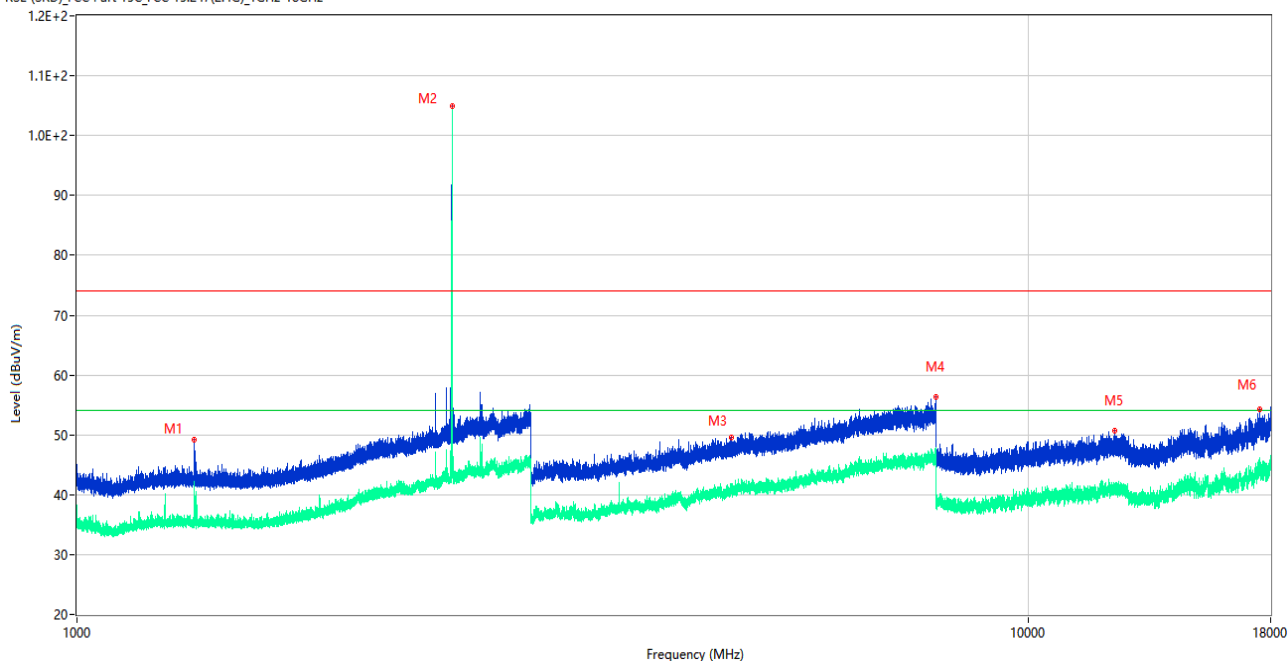
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1273.900	45.45	74.0	28.55	Peak	360.00	300	Horizontal	Pass
1**	1273.900	36.64	54.0	17.36	AV	360.00	300	Horizontal	Pass
2	2480.100	104.31	74.0	-30.31	Peak	132.00	200	Horizontal	N/A
2**	2480.100	104.12	54.0	-50.12	AV	132.00	200	Horizontal	N/A
3	4714.250	50.01	74.0	23.99	Peak	147.00	200	Horizontal	Pass
3**	4714.250	40.28	54.0	13.72	AV	147.00	200	Horizontal	Pass
4	7996.750	55.47	74.0	18.53	Peak	75.00	200	Horizontal	Pass
4**	7996.750	47.13	54.0	6.87	AV	75.00	200	Horizontal	Pass
5	11519.037	50.31	74.0	23.69	Peak	57.00	150	Horizontal	Pass
5**	11519.037	40.39	54.0	13.61	AV	57.00	150	Horizontal	Pass
6	17350.574	53.18	74.0	20.82	Peak	18.00	200	Horizontal	Pass
6**	17350.574	44.58	54.0	9.42	AV	18.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

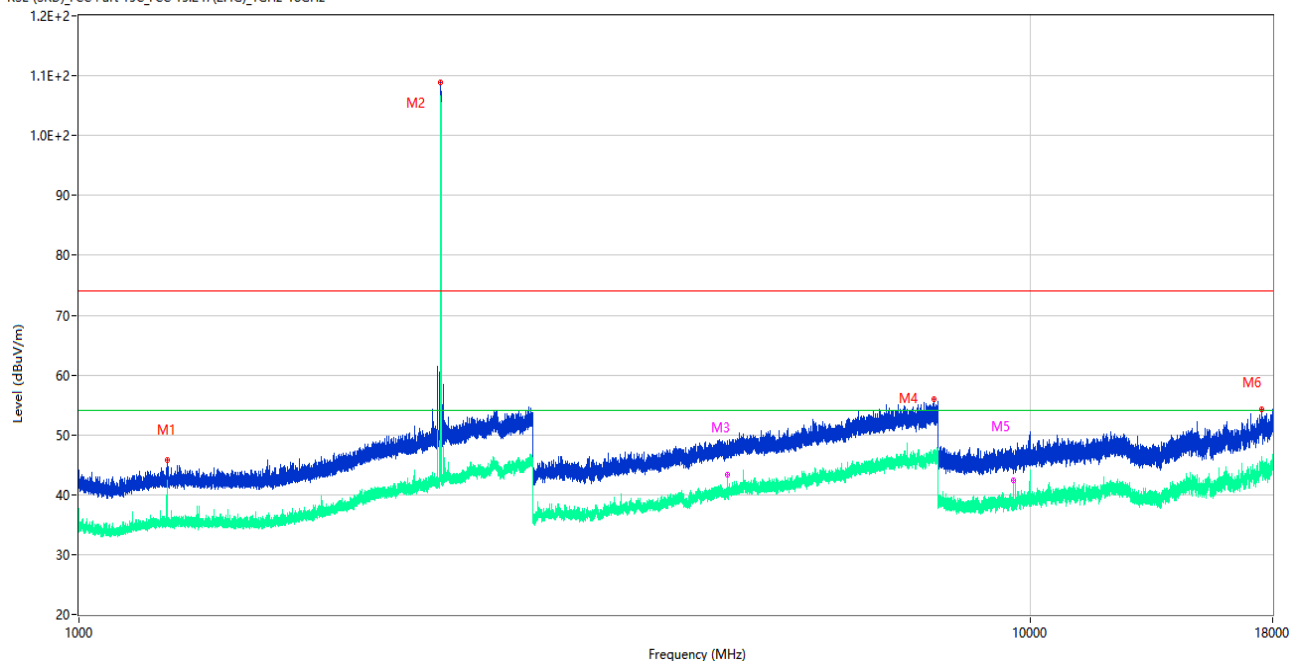
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.900	49.11	74.0	24.89	Peak	161.00	200	Vertical	Pass
1**	1328.900	42.29	54.0	11.71	AV	161.00	200	Vertical	Pass
2	2479.800	104.91	74.0	-30.91	Peak	125.00	200	Vertical	N/A
2**	2479.800	104.45	54.0	-50.45	AV	125.00	200	Vertical	N/A
3	4875.500	49.50	74.0	24.50	Peak	65.00	150	Vertical	Pass
3**	4875.500	40.70	54.0	13.30	AV	65.00	150	Vertical	Pass
4	7995.000	56.43	74.0	17.57	Peak	166.00	300	Vertical	Pass
4**	7995.000	46.51	54.0	7.49	AV	166.00	300	Vertical	Pass
5	12330.100	50.75	74.0	23.25	Peak	191.00	200	Vertical	Pass
5**	12330.100	40.93	54.0	13.07	AV	191.00	200	Vertical	Pass
6	17528.812	54.28	74.0	19.72	Peak	35.00	150	Vertical	Pass
6**	17528.812	45.36	54.0	8.64	AV	35.00	150	Vertical	Pass

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

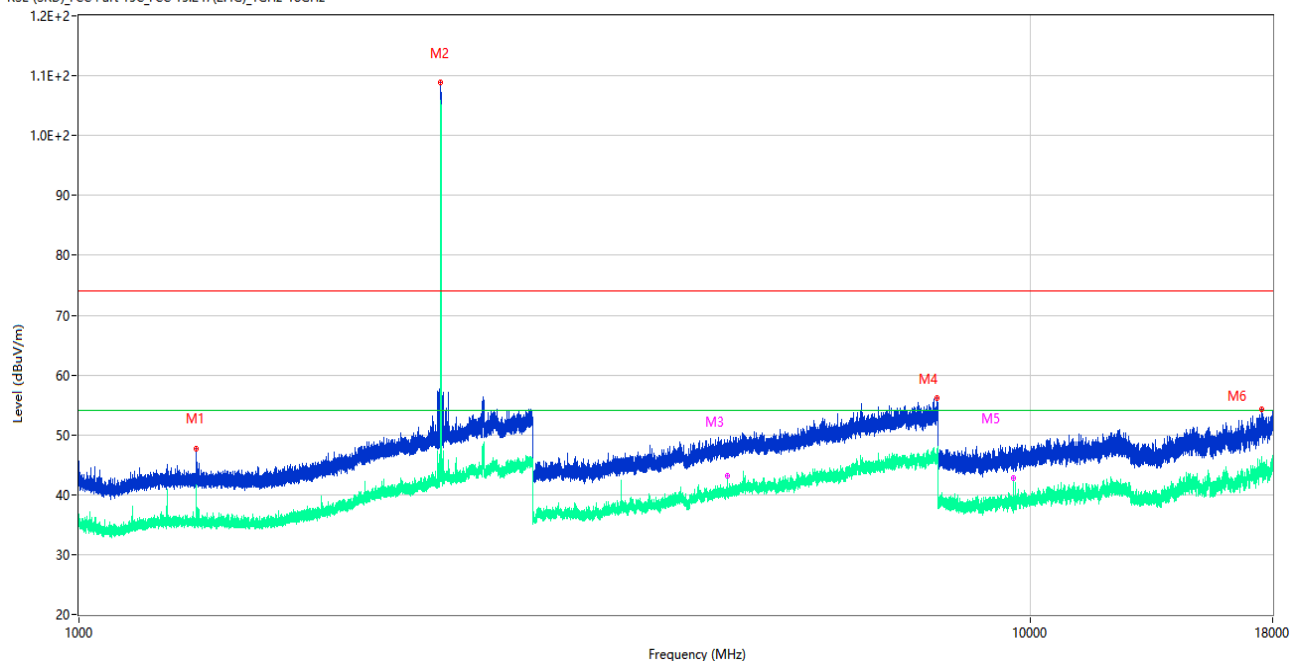
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1237.600	45.82	74.0	28.18	Peak	117.00	100	Horizontal	Pass
1**	1237.600	40.94	54.0	13.06	AV	117.00	100	Horizontal	Pass
2	2402.300	108.83	74.0	-34.83	Peak	132.00	150	Horizontal	N/A
2**	2402.300	105.94	54.0	-51.94	AV	132.00	150	Horizontal	N/A
3	4804.000	48.95	74.0	25.05	Peak	45.00	150	Horizontal	Pass
3**	4804.000	43.29	54.0	10.71	AV	45.00	150	Horizontal	Pass
4	7926.500	55.96	74.0	18.04	Peak	137.00	400	Horizontal	Pass
4**	7926.500	46.60	54.0	7.40	AV	137.00	400	Horizontal	Pass
5	9608.350	46.51	74.0	27.49	Peak	86.00	150	Horizontal	Pass
5**	9608.350	42.44	54.0	11.56	AV	86.00	150	Horizontal	Pass
6	17533.800	54.29	74.0	19.71	Peak	30.00	150	Horizontal	Pass
6**	17533.800	45.55	54.0	8.45	AV	30.00	150	Horizontal	Pass

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

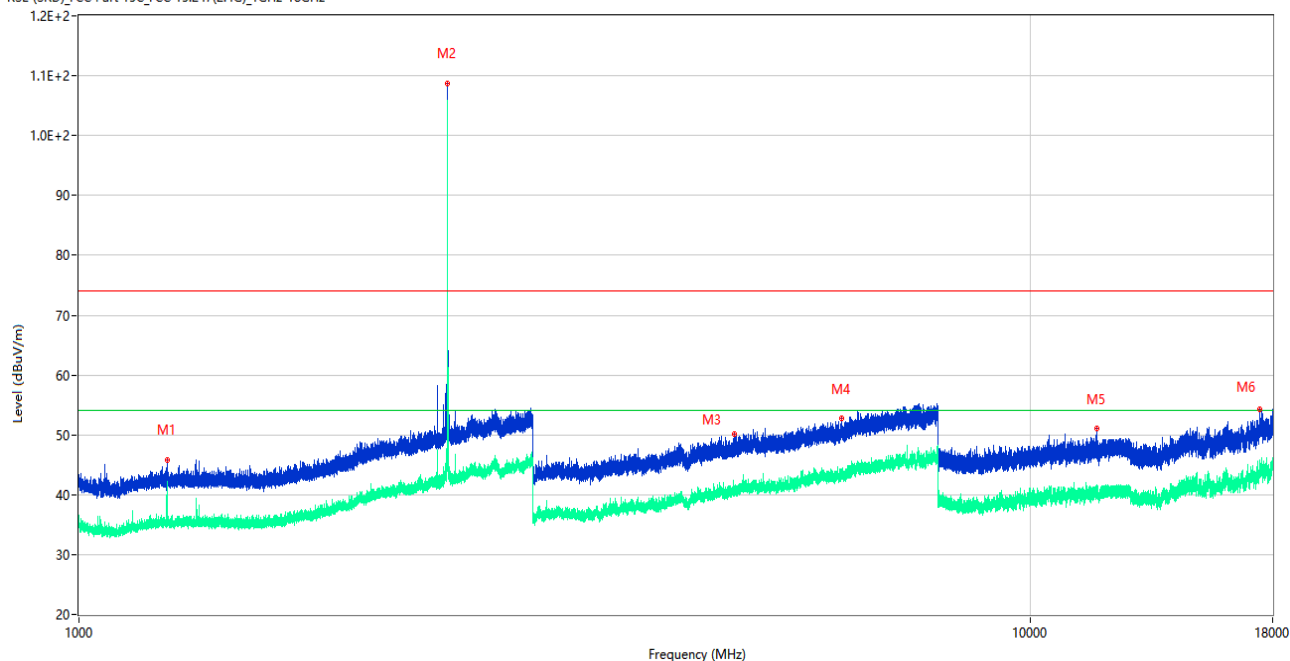
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.300	47.76	74.0	26.24	Peak	140.00	200	Vertical	Pass
1**	1327.300	35.54	54.0	18.46	AV	140.00	200	Vertical	Pass
2	2401.900	108.80	74.0	-34.80	Peak	117.00	100	Vertical	N/A
2**	2401.900	105.50	54.0	-51.50	AV	117.00	100	Vertical	N/A
3	4804.000	49.26	74.0	24.74	Peak	290.00	150	Vertical	Pass
3**	4804.000	43.08	54.0	10.92	AV	290.00	150	Vertical	Pass
4	7987.750	56.17	74.0	17.83	Peak	240.00	200	Vertical	Pass
4**	7987.750	46.81	54.0	7.19	AV	240.00	200	Vertical	Pass
5	9608.112	46.53	74.0	27.47	Peak	112.00	150	Vertical	Pass
5**	9608.112	42.70	54.0	11.30	AV	112.00	150	Vertical	Pass
6	17535.900	54.19	74.0	19.81	Peak	310.00	150	Vertical	Pass
6**	17535.900	45.16	54.0	8.84	AV	310.00	150	Vertical	Pass

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

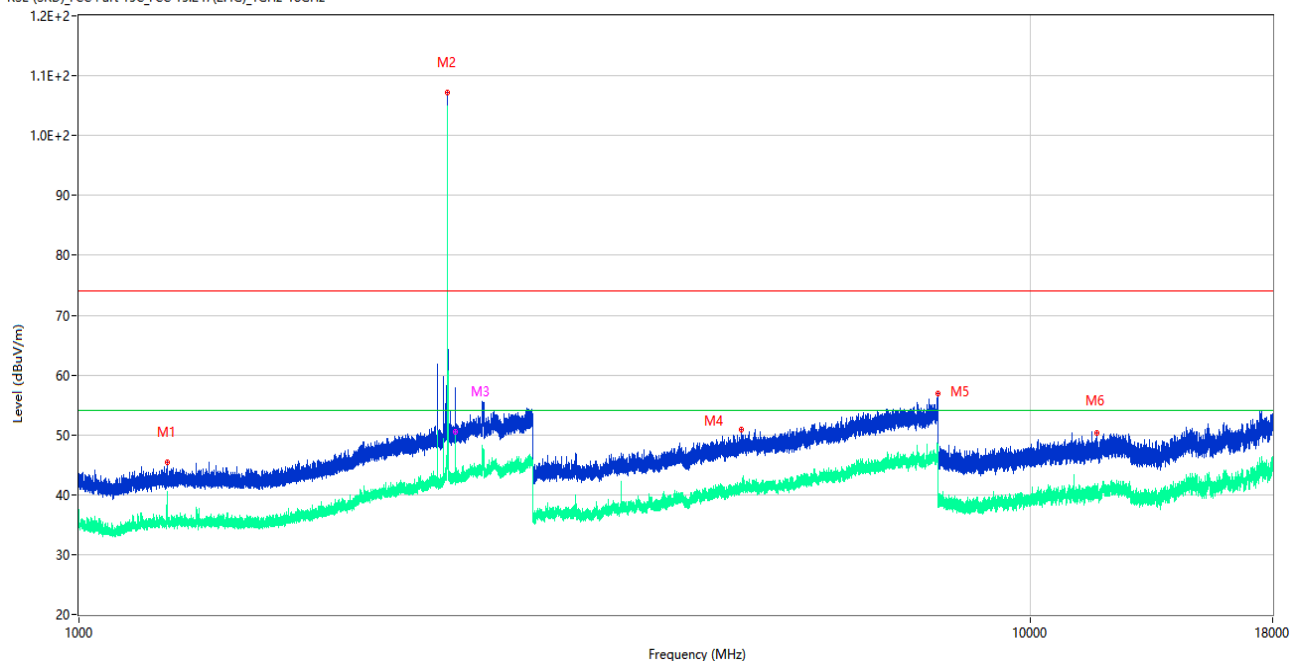
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1237.300	45.88	74.0	28.12	Peak	124.00	100	Horizontal	Pass
1**	1237.300	41.84	54.0	12.16	AV	124.00	100	Horizontal	Pass
2	2440.900	108.70	74.0	-34.70	Peak	132.00	200	Horizontal	N/A
2**	2440.900	105.78	54.0	-51.78	AV	132.00	200	Horizontal	N/A
3	4887.000	50.14	74.0	23.86	Peak	13.00	200	Horizontal	Pass
3**	4887.000	40.44	54.0	13.56	AV	13.00	200	Horizontal	Pass
4	6333.750	52.73	74.0	21.27	Peak	135.00	150	Horizontal	Pass
4**	6333.750	44.14	54.0	9.86	AV	135.00	150	Horizontal	Pass
5	11767.937	51.03	74.0	22.97	Peak	184.00	200	Horizontal	Pass
5**	11767.937	40.76	54.0	13.24	AV	184.00	200	Horizontal	Pass
6	17462.661	54.35	74.0	19.65	Peak	215.00	150	Horizontal	Pass
6**	17462.661	43.94	54.0	10.06	AV	215.00	150	Horizontal	Pass

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

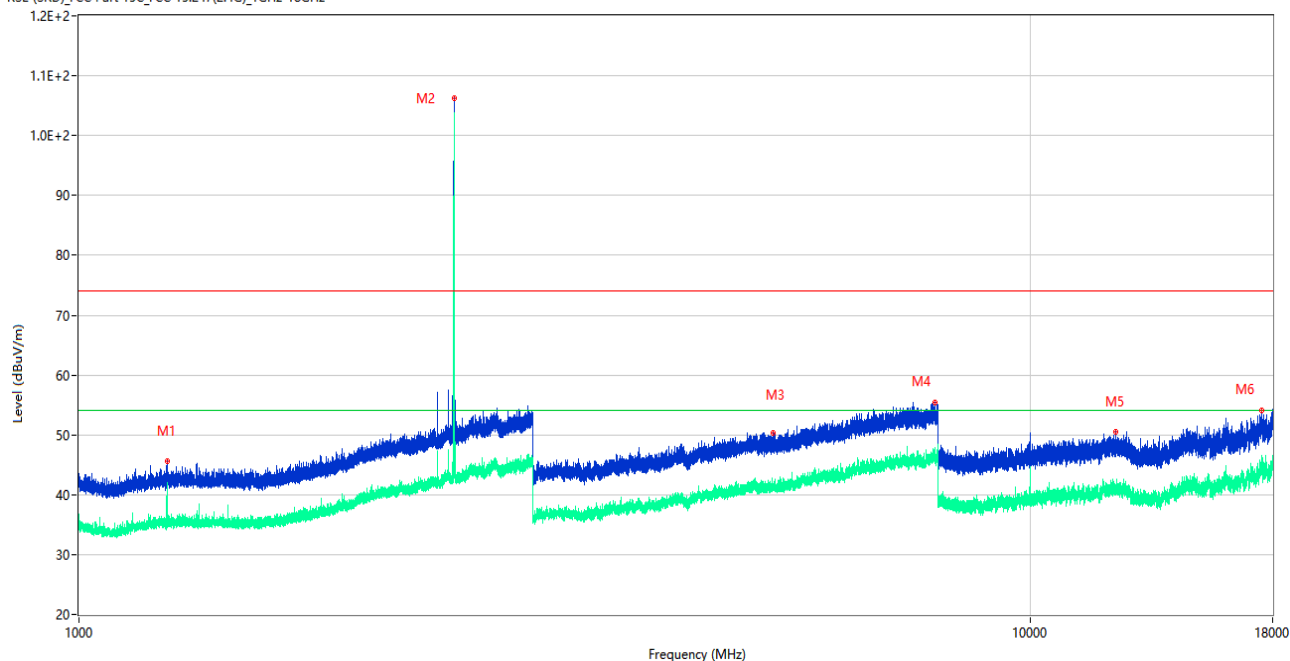
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1237.400	45.51	74.0	28.49	Peak	297.00	300	Vertical	Pass
1**	1237.400	39.34	54.0	14.66	AV	297.00	300	Vertical	Pass
2	2441.000	107.28	74.0	-33.28	Peak	127.00	150	Vertical	N/A
2**	2441.000	104.87	54.0	-50.87	AV	127.00	150	Vertical	N/A
3	2490.100	57.90	74.0	16.10	Peak	289.00	150	Vertical	Pass
3**	2490.100	50.54	54.0	3.46	AV	289.00	150	Vertical	Pass
4	4977.500	50.81	74.0	23.19	Peak	44.00	150	Vertical	Pass
4**	4977.500	41.02	54.0	12.98	AV	44.00	150	Vertical	Pass
5	7996.250	56.85	74.0	17.15	Peak	44.00	150	Vertical	Pass
5**	7996.250	46.77	54.0	7.23	AV	44.00	150	Vertical	Pass
6	11747.987	50.27	74.0	23.73	Peak	147.00	150	Vertical	Pass
6**	11747.987	40.23	54.0	13.77	AV	147.00	150	Vertical	Pass

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

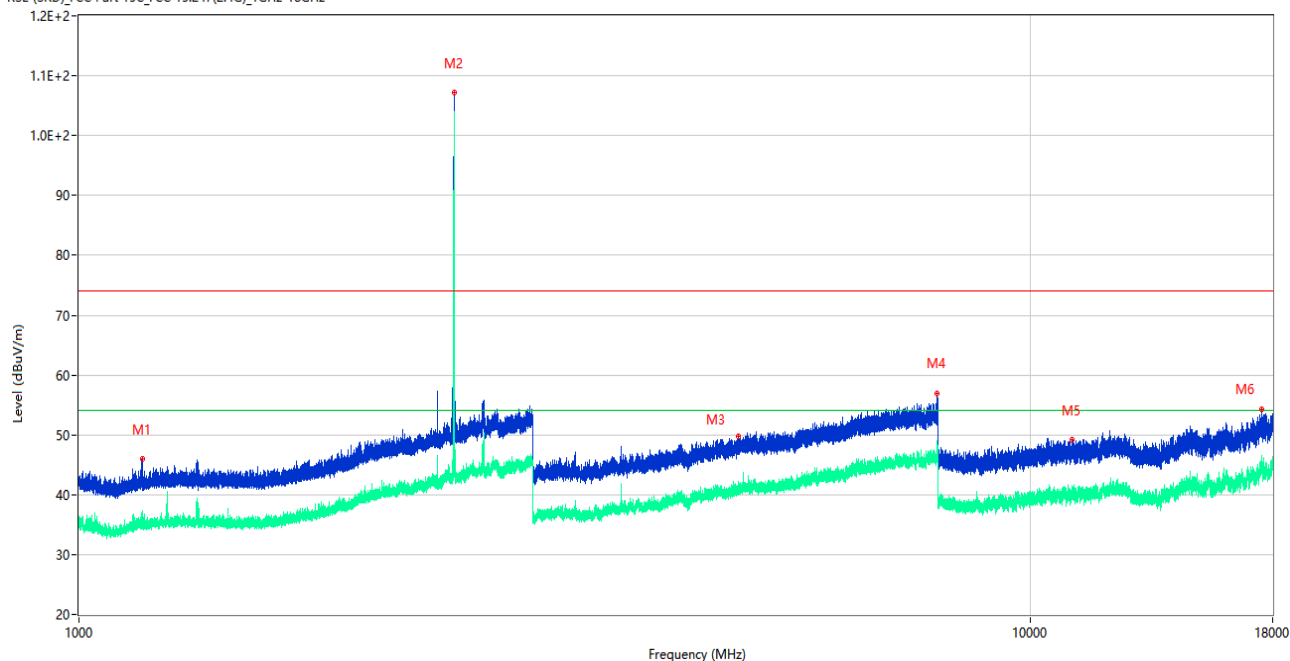
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1237.500	45.67	74.0	28.33	Peak	132.00	100	Horizontal	Pass
1**	1237.500	40.38	54.0	13.62	AV	132.00	100	Horizontal	Pass
2	2479.700	106.31	74.0	-32.31	Peak	124.00	100	Horizontal	N/A
2**	2479.700	102.94	54.0	-48.94	AV	124.00	100	Horizontal	N/A
3	5373.500	50.29	74.0	23.71	Peak	65.00	150	Horizontal	Pass
3**	5373.500	41.75	54.0	12.25	AV	65.00	150	Horizontal	Pass
4	7941.750	55.44	74.0	18.56	Peak	187.00	100	Horizontal	Pass
4**	7941.750	46.10	54.0	7.90	AV	187.00	100	Horizontal	Pass
5	12320.362	50.54	74.0	23.46	Peak	360.00	400	Horizontal	Pass
5**	12320.362	40.86	54.0	13.14	AV	360.00	400	Horizontal	Pass
6	17525.400	54.05	74.0	19.95	Peak	102.00	150	Horizontal	Pass
6**	17525.400	44.64	54.0	9.36	AV	102.00	150	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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.700	45.93	74.0	28.07	Peak	49.00	300	Vertical	Pass
1**	1166.700	34.84	54.0	19.16	AV	49.00	300	Vertical	Pass
2	2480.000	107.17	74.0	-33.17	Peak	287.00	100	Vertical	N/A
2**	2480.000	104.07	54.0	-50.07	AV	287.00	100	Vertical	N/A
3	4941.250	49.70	74.0	24.30	Peak	196.00	150	Vertical	Pass
3**	4941.250	41.05	54.0	12.95	AV	196.00	150	Vertical	Pass
4	7994.500	56.90	74.0	17.10	Peak	257.00	400	Vertical	Pass
4**	7994.500	46.68	54.0	7.32	AV	257.00	400	Vertical	Pass
5	11076.813	49.19	74.0	24.81	Peak	124.00	150	Vertical	Pass
5**	11076.813	39.75	54.0	14.25	AV	124.00	150	Vertical	Pass
6	17533.800	54.26	74.0	19.74	Peak	1.00	150	Vertical	Pass
6**	17533.800	45.43	54.0	8.57	AV	1.00	150	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.

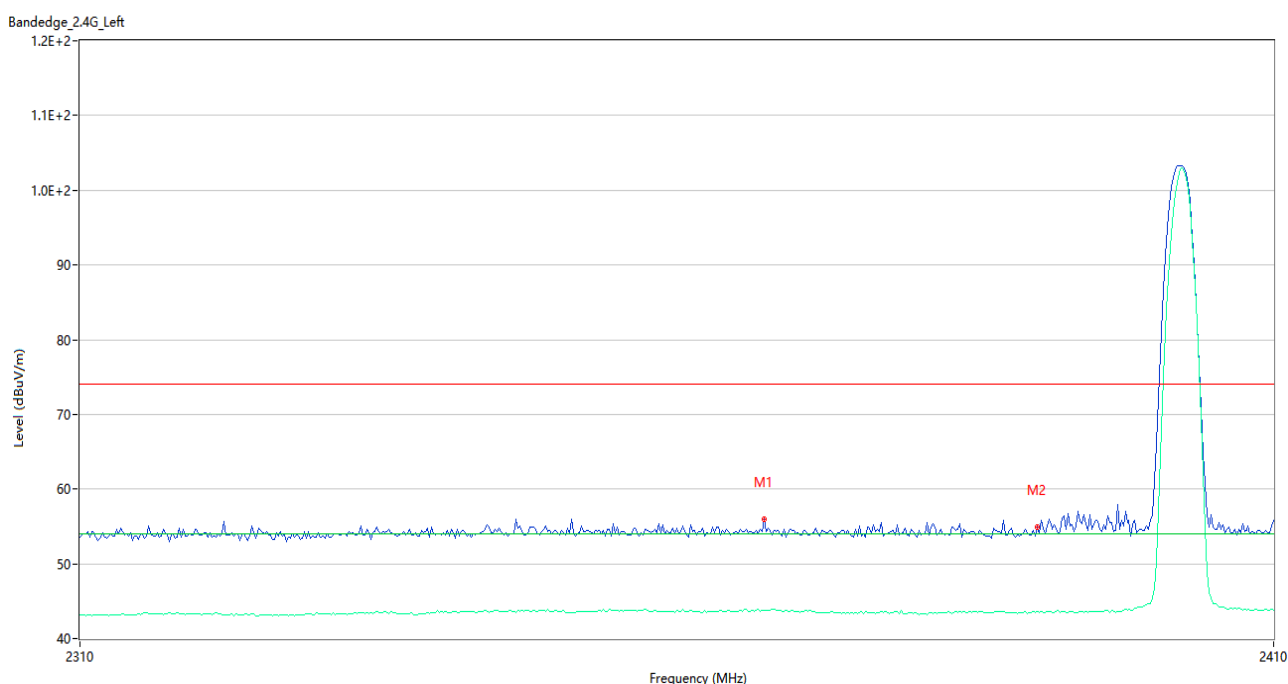
Note³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

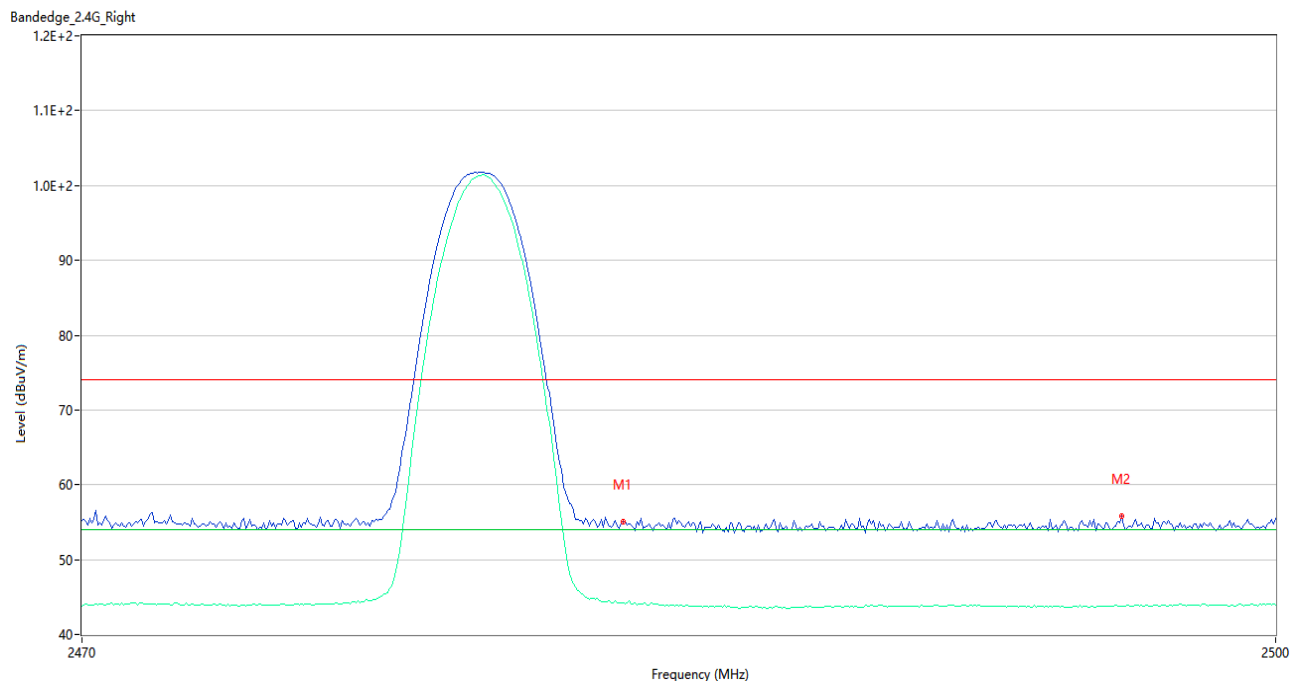
Test Data and Plots

GFSK LOW CHANNEL



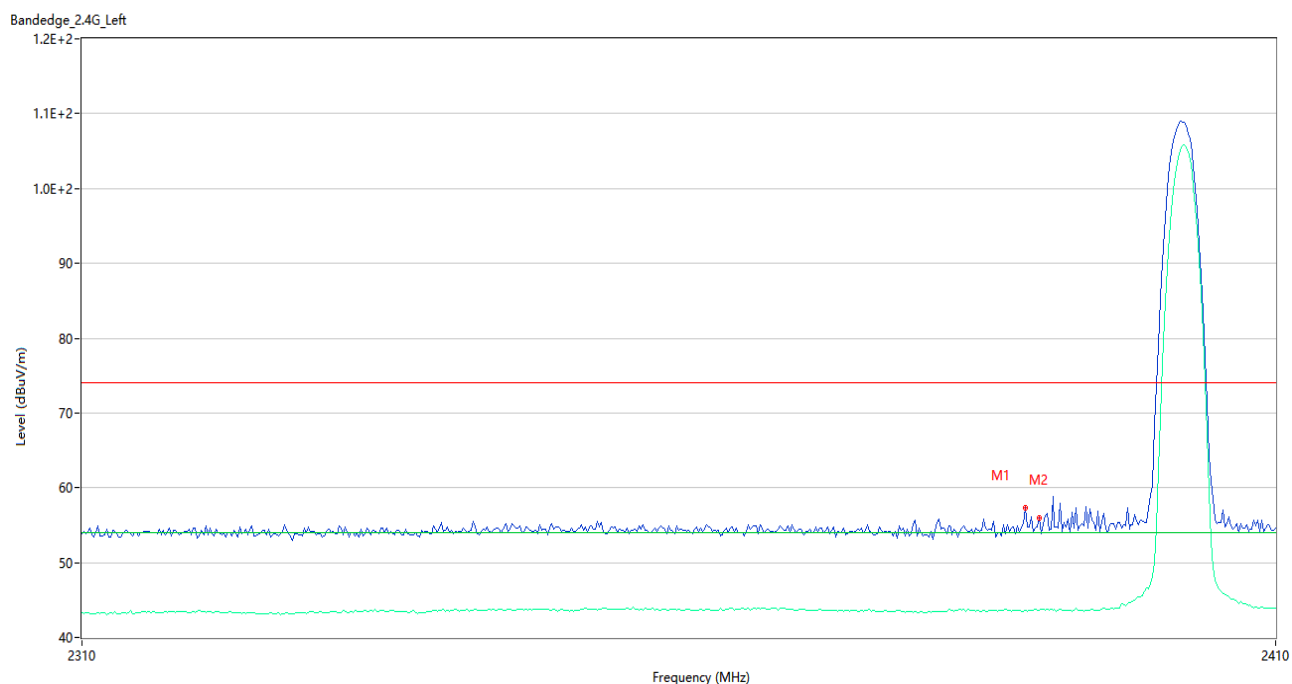
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2366.833	56.00	74.0	18.00	Peak	226.00	200	Vertical	Pass
1**	2366.833	43.73	54.0	10.27	AV	226.00	200	Vertical	Pass
2	2389.833	54.91	74.0	19.09	Peak	130.00	150	Vertical	Pass
2**	2389.833	43.56	54.0	10.44	AV	130.00	150	Vertical	Pass

GFSK HIGH CHANNEL



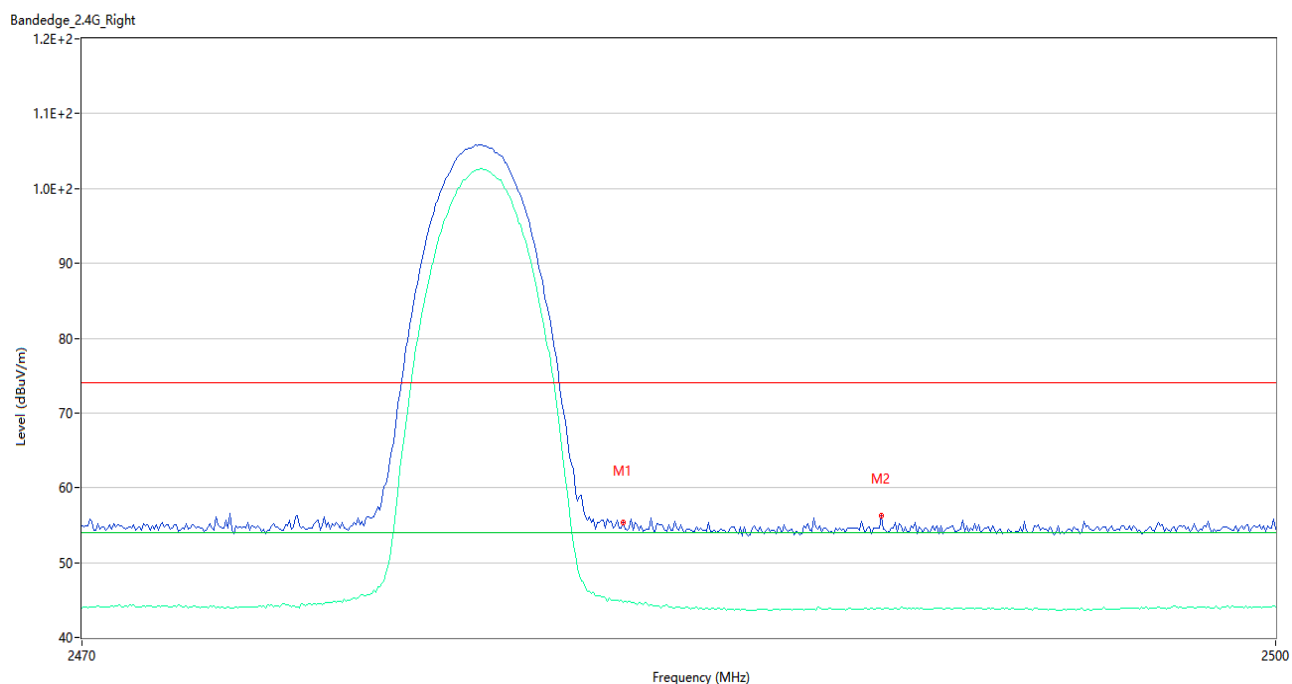
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.03	74.0	18.97	Peak	127.00	150	Vertical	Pass
1**	2483.550	44.25	54.0	9.75	AV	127.00	150	Vertical	Pass
2	2496.100	55.83	74.0	18.17	Peak	91.00	100	Vertical	Pass
2**	2496.100	43.73	54.0	10.27	AV	91.00	100	Vertical	Pass

8-DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.667	57.27	74.0	16.73	Peak	168.00	150	Vertical	Pass
1**	2388.667	43.55	54.0	10.45	AV	168.00	150	Vertical	Pass
2	2389.833	56.03	74.0	17.97	Peak	164.00	100	Vertical	Pass
2**	2389.833	43.63	54.0	10.37	AV	164.00	100	Vertical	Pass

8-DPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.32	74.0	18.68	Peak	197.00	200	Vertical	Pass
1**	2483.550	44.66	54.0	9.34	AV	197.00	200	Vertical	Pass
2	2490.050	56.24	74.0	17.76	Peak	328.00	100	Vertical	Pass
2**	2490.050	43.82	54.0	10.18	AV	328.00	100	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26030249-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26030249-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26030249-AI.PDF”.

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--END OF REPORT--