

π/4-DQPSK HIGH CHANNEL



8DPSK LOW CHANNEL



8DPSK MIDDLE CHANNEL

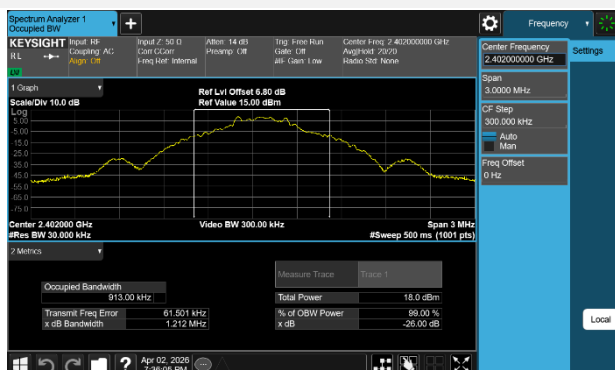


8DPSK HIGH CHANNEL



99% Bandwidth

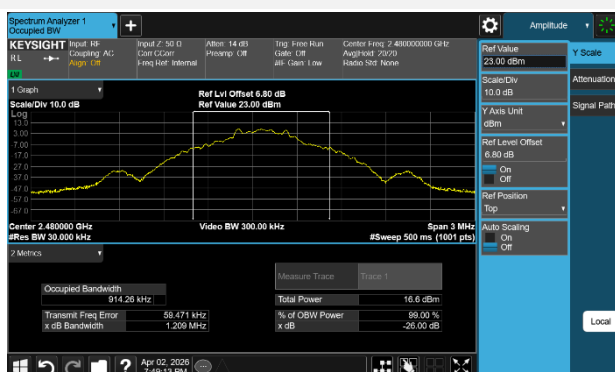
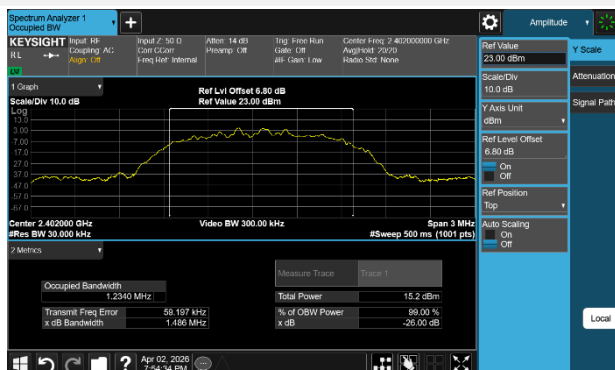
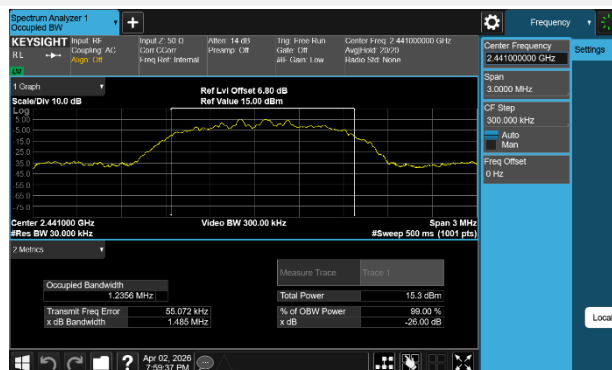
GFSK LOW CHANNEL



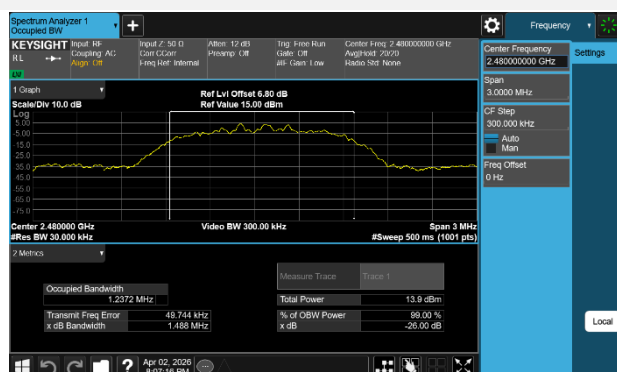
GFSK MIDDLE CHANNEL



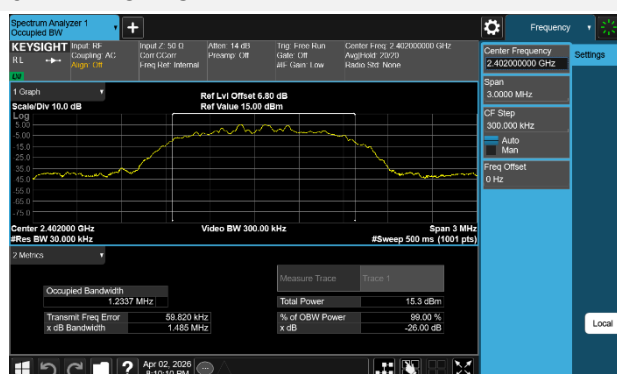
GFSK HIGH CHANNEL

 $\pi/4$ -DQPSK LOW CHANNEL $\pi/4$ -DQPSK MIDDLE CHANNEL

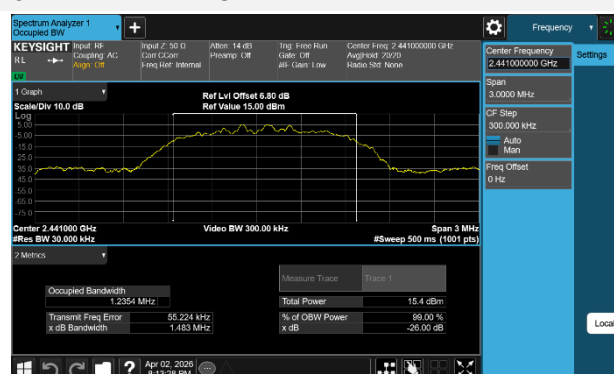
$\pi/4$ -DQPSK HIGH CHANNEL



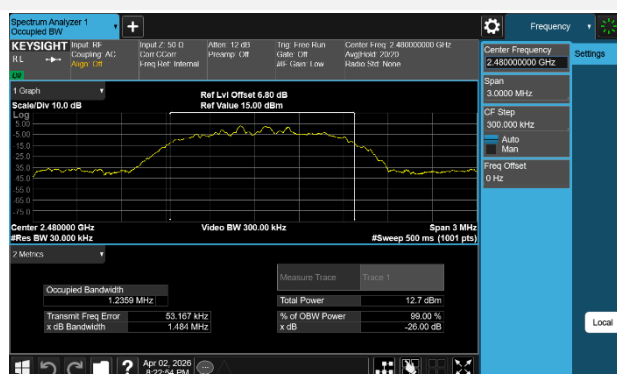
8DPSK LOW CHANNEL



8DPSK MIDDLE CHANNEL



8DPSK HIGH CHANNEL



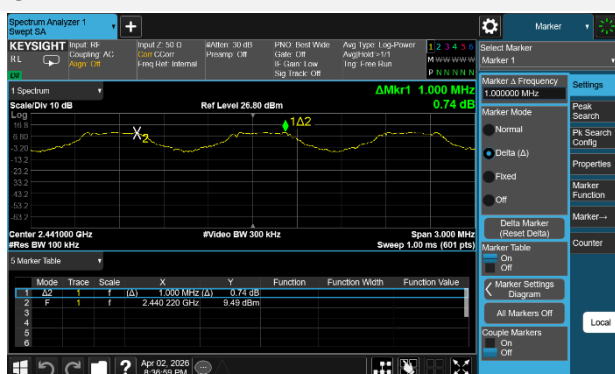
A.4 Hopping Frequency Separation

Test Data

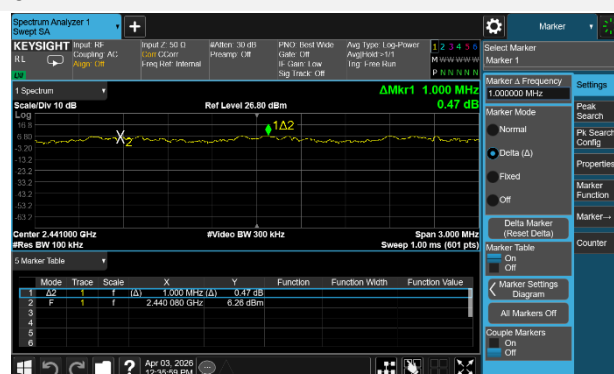
Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.665	Pass
8DPSK	1.000	0.920	Pass

Test Plots

GFSK



8DPSK



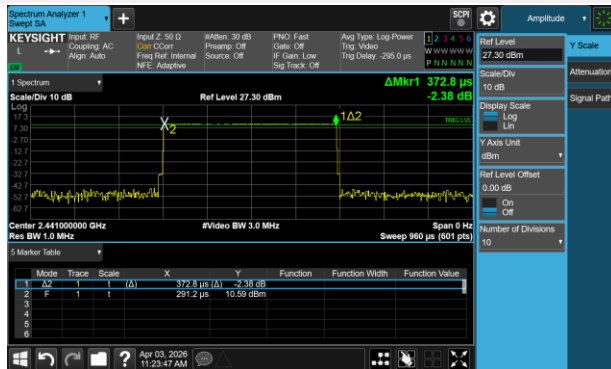
A.5 Average Time of Occupancy

Test Data

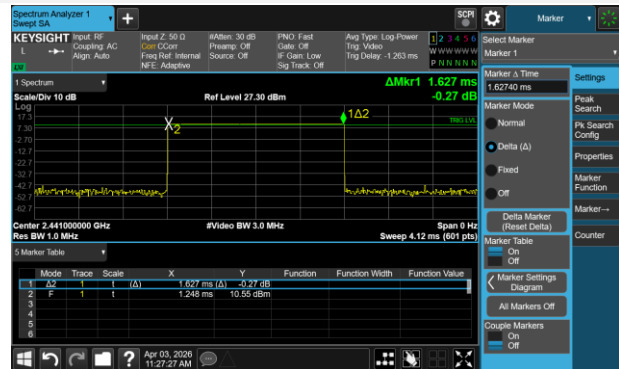
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37280	119.296	0.4	Pass
DH 3	1.62700	260.320	0.4	Pass
DH 5	2.88800	308.053	0.4	Pass
8DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.38000	121.600	0.4	Pass
3DH 3	1.63300	261.280	0.4	Pass
3DH 5	2.88200	307.413	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37300	59.680	0.4	Pass
DH 3	1.62900	130.320	0.4	Pass
DH 5	2.87500	153.333	0.4	Pass

Test Plots

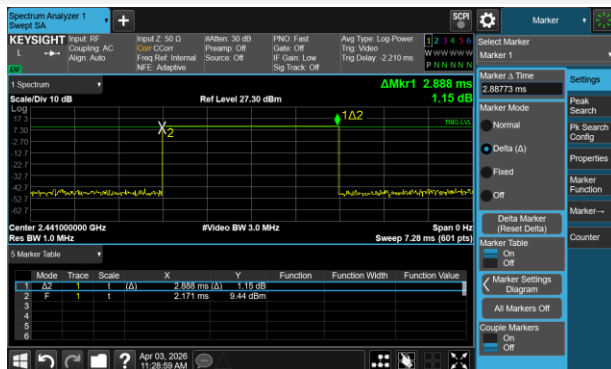
GFSK DH1



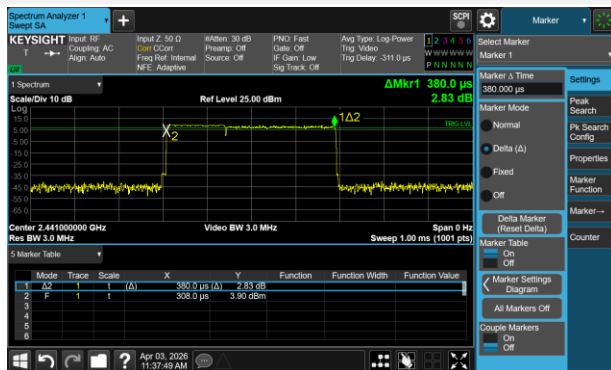
GFSK DH3



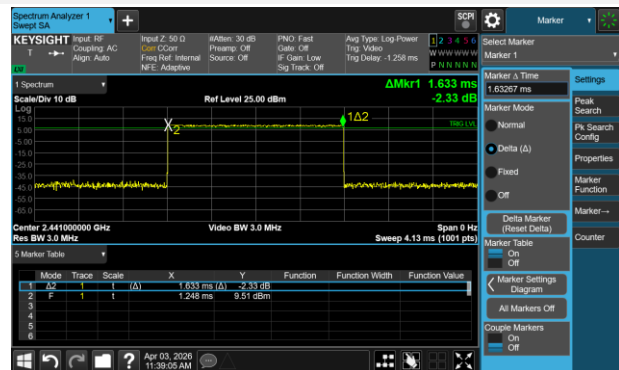
GFSK DH5



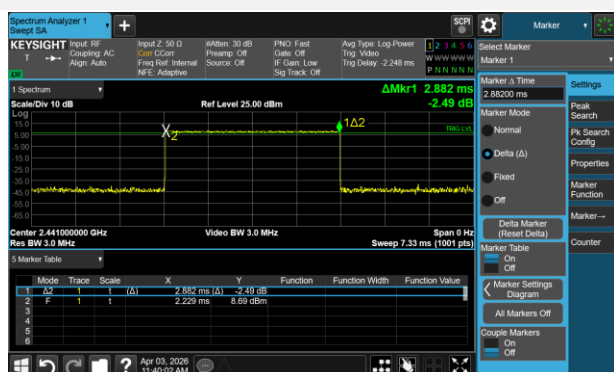
8DPSK 3DH1



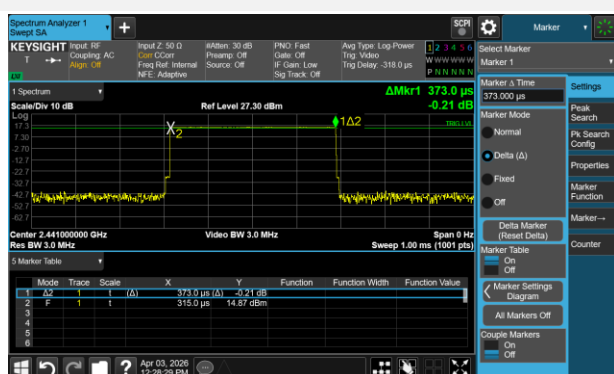
8DPSK 3DH3



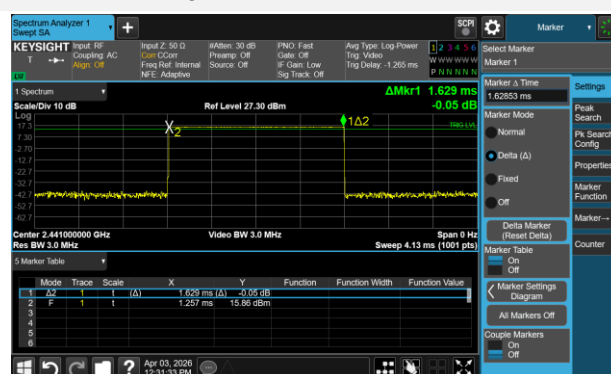
8DPSK 3DH5



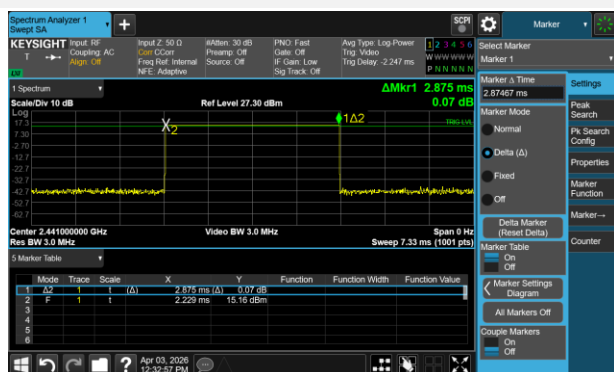
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.21	10.25	-9.75	Pass
Middle	-40.66	10.32	-9.68	Pass
High	-40.09	8.84	-11.16	Pass
8DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-40.01	7.00	-13.00	Pass
Middle	-41.71	7.06	-12.94	Pass
High	-40.88	4.46	-15.54	Pass

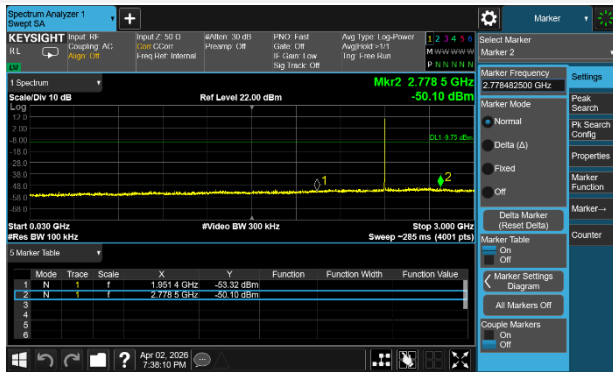
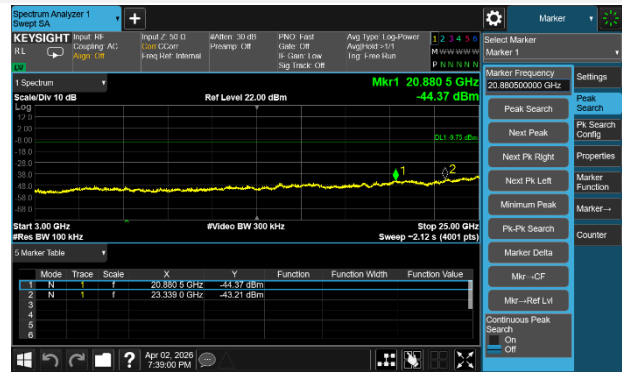
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-42.40	10.40	-9.60	Pass
8DPSK	-41.07	7.14	-12.86	Pass

Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL



GFSK LOW CHANNEL, BAND EDGE

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

GFSK MIDDLE CHANNEL, CARRIER LEVEL



GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



GFSK HIGH CHANNEL, CARRIER LEVEL



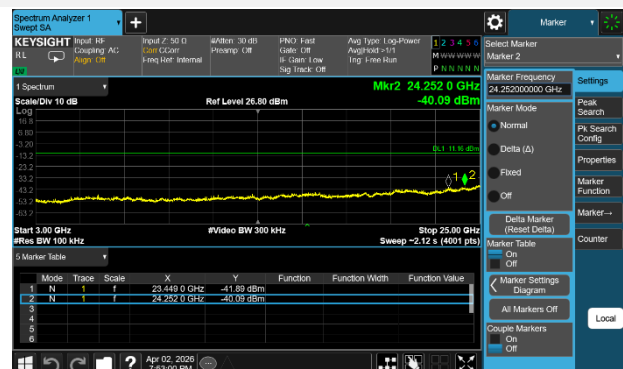
GFSK HIGH CHANNEL, BAND EDGE



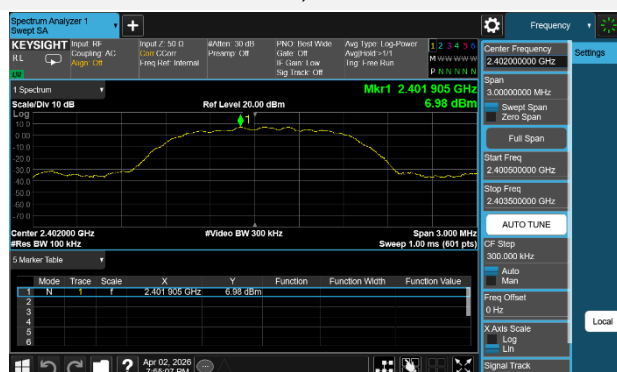
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



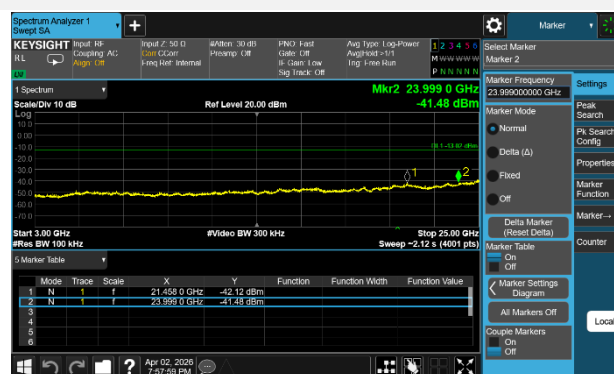
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



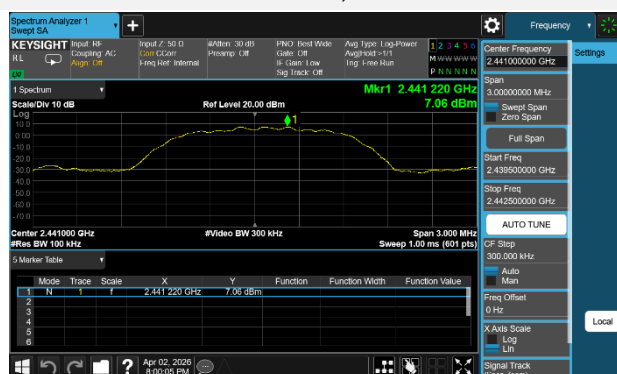
8DPSK LOW CHANNEL, CARRIER LEVEL



8DPSK LOW CHANNEL, BAND EDGE

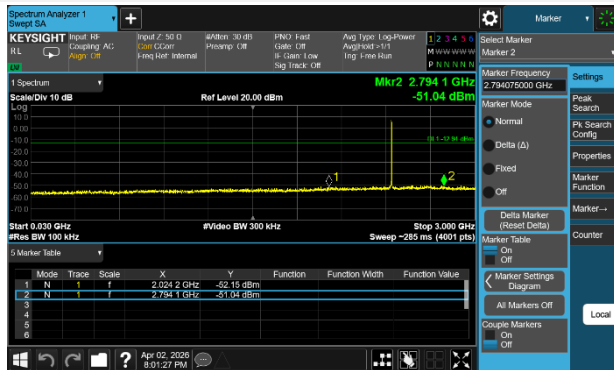
8DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz8DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

8DPSK MIDDLE CHANNEL, CARRIER LEVEL



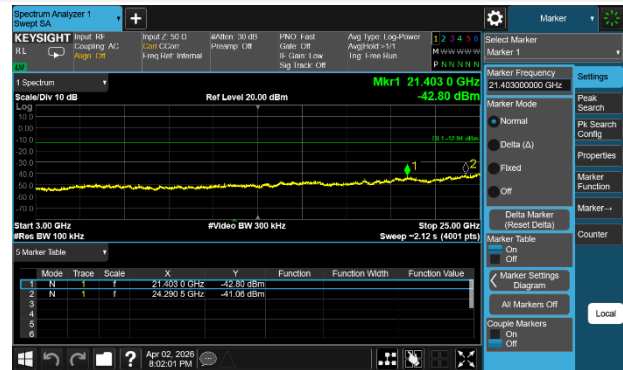
8DPSK MIDDLE CHANNEL, SPURIOUS

30 MHz ~ 3 GHz



8DPSK MIDDLE CHANNEL, SPURIOUS

3 GHz ~ 25 GHz



8DPSK HIGH CHANNEL, CARRIER LEVEL



8DPSK HIGH CHANNEL, BAND EDGE



8DPSK HIGH CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

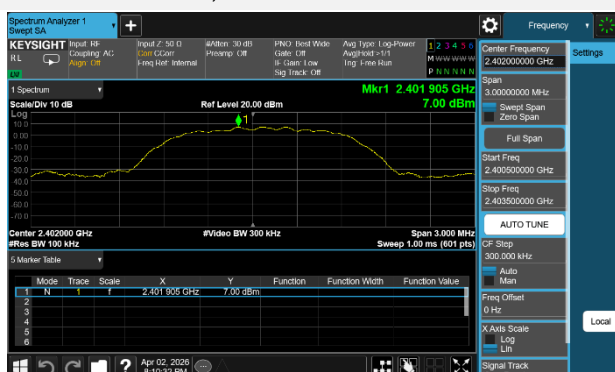


8DPSK HIGH CHANNEL, SPURIOUS

3 GHz ~ 25 GHz



GFSK HOPPING, CARRIER LEVEL



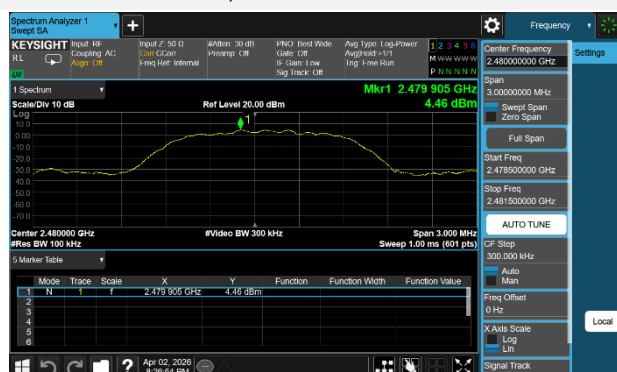
GFSK HOPPING BAND EDGE (LOW)



GFSK HOPPING BAND EDGE (HIGH)

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

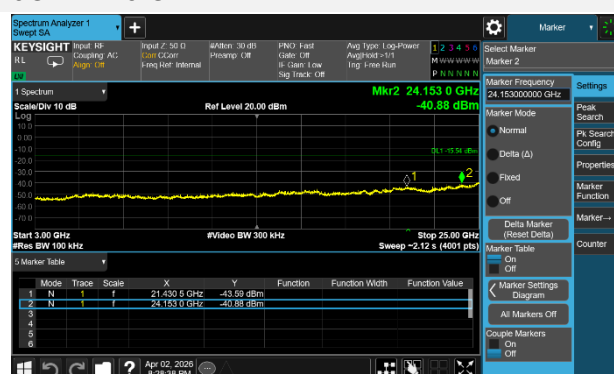
8DPSK HOPPING, CARRIER LEVEL



8DPSK Hopping BAND EDGE (LOW)



8DPSK Hopping BAND EDGE (HIGH)

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

A.7 Conducted Emissions

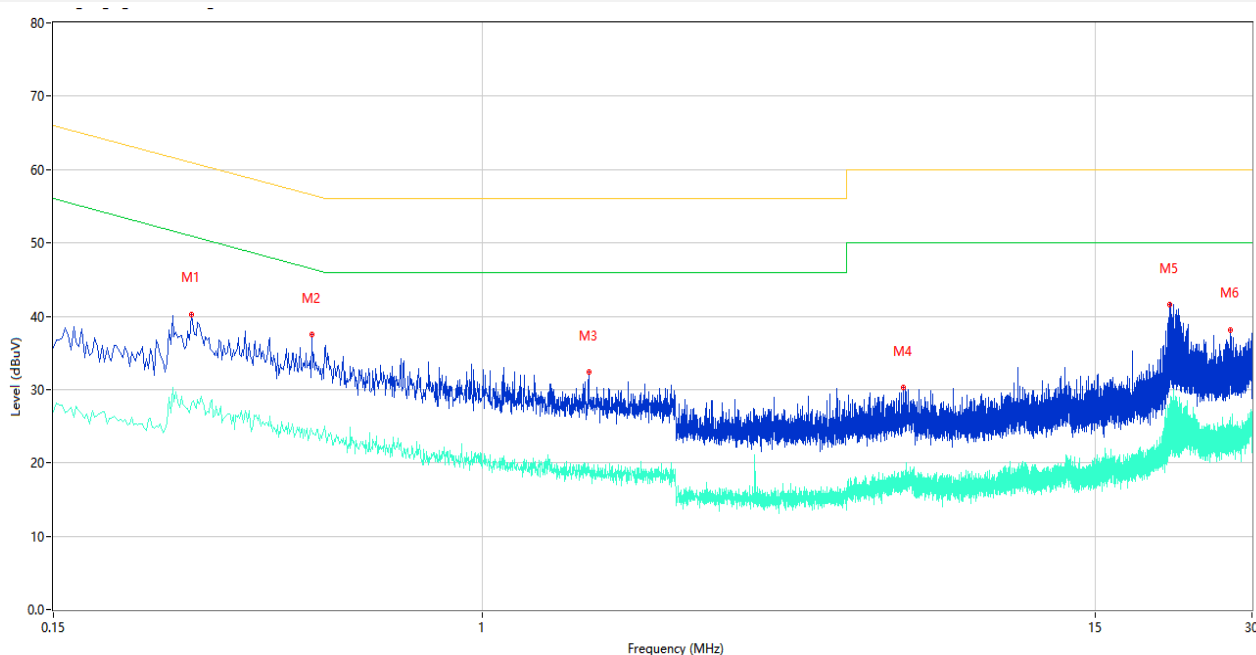
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

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

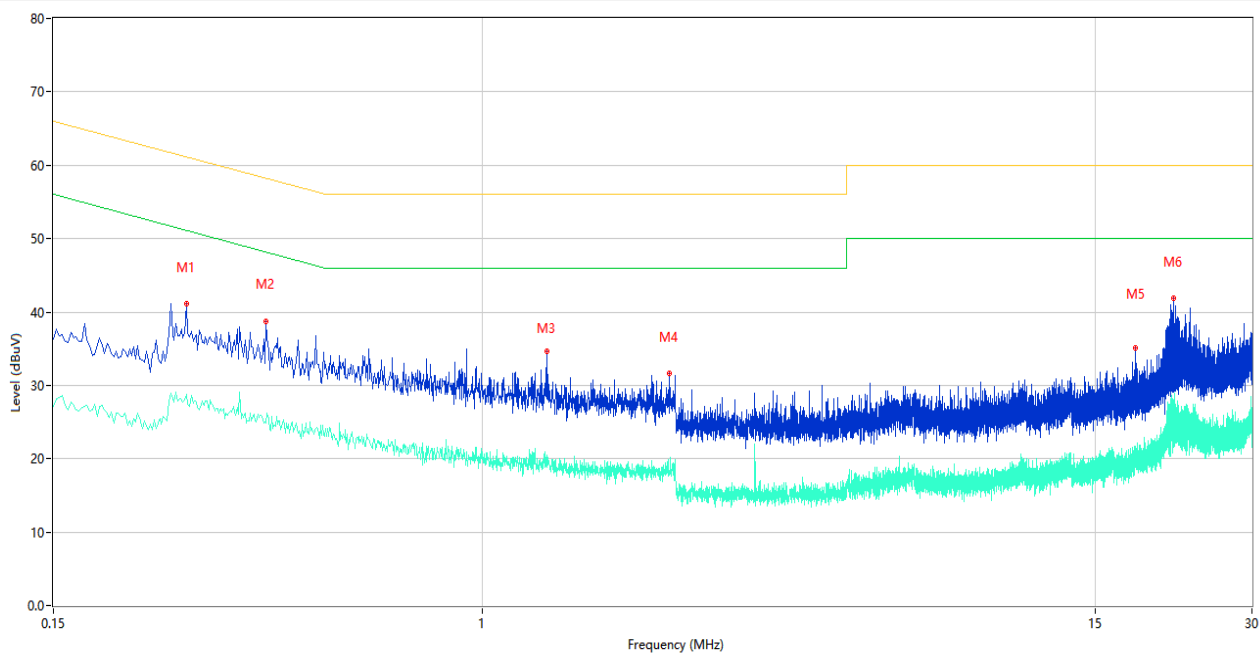
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.276	40.28	10.24	60.94	20.66	Peak	L	Pass
1**	0.276	28.24	10.24	50.94	22.70	AV	L	Pass
2	0.470	37.46	10.25	56.51	19.05	Peak	L	Pass
2**	0.470	24.37	10.25	46.51	22.14	AV	L	Pass
3	1.602	32.47	10.36	56.00	23.53	Peak	L	Pass
3**	1.602	18.67	10.36	46.00	27.33	AV	L	Pass
4	6.420	30.27	11.04	60.00	29.73	Peak	L	Pass
4**	6.420	18.25	11.04	50.00	31.75	AV	L	Pass
5	20.848	41.51	14.47	60.00	18.49	Peak	L	Pass
5**	20.848	26.29	14.47	50.00	23.71	AV	L	Pass
6	27.284	38.17	15.77	60.00	21.83	Peak	L	Pass
6**	27.284	24.02	15.77	50.00	25.98	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.270	41.08	10.16	61.12	20.04	Peak	N	Pass
1**	0.270	28.79	10.16	51.12	22.33	AV	N	Pass
2	0.384	38.69	10.16	58.19	19.50	Peak	N	Pass
2**	0.384	24.87	10.16	48.19	23.32	AV	N	Pass
3	1.328	34.62	10.24	56.00	21.38	Peak	N	Pass
3**	1.328	20.54	10.24	46.00	25.46	AV	N	Pass
4	2.288	31.67	10.34	56.00	24.33	Peak	N	Pass
4**	2.288	18.33	10.34	46.00	27.67	AV	N	Pass
5	17.936	35.08	13.77	60.00	24.92	Peak	N	Pass
5**	17.936	21.76	13.77	50.00	28.24	AV	N	Pass
6	21.176	41.89	14.58	60.00	18.11	Peak	N	Pass
6**	21.176	26.70	14.58	50.00	23.30	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.

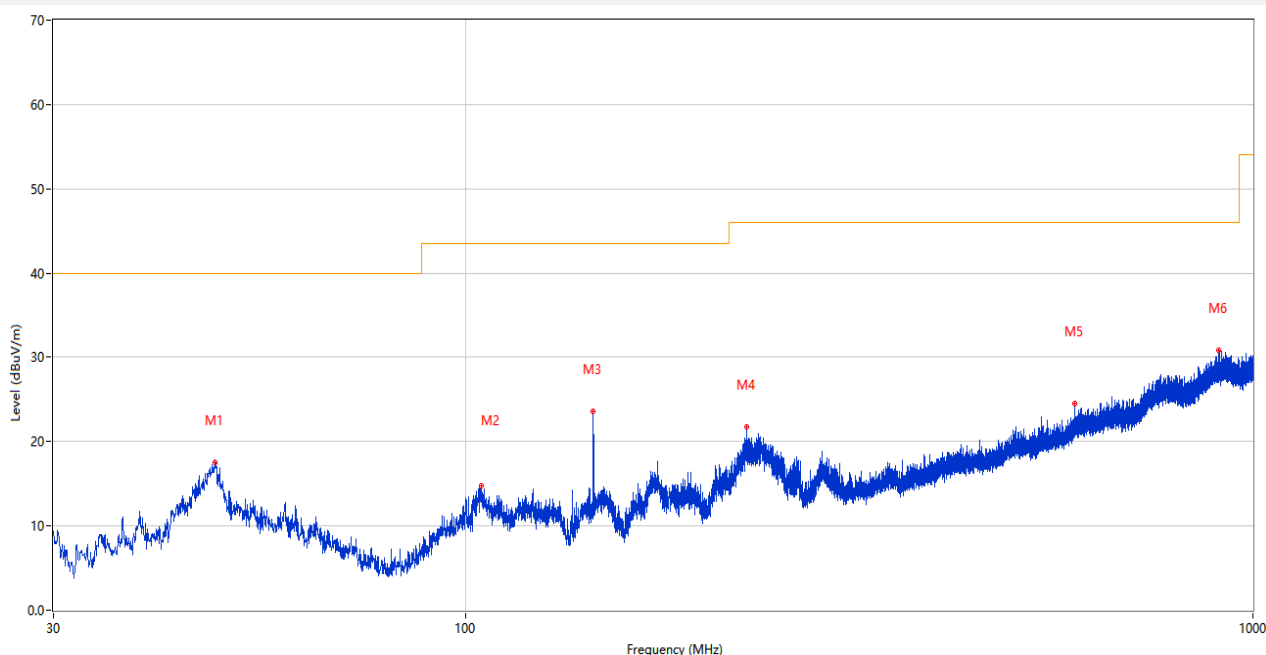
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

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.

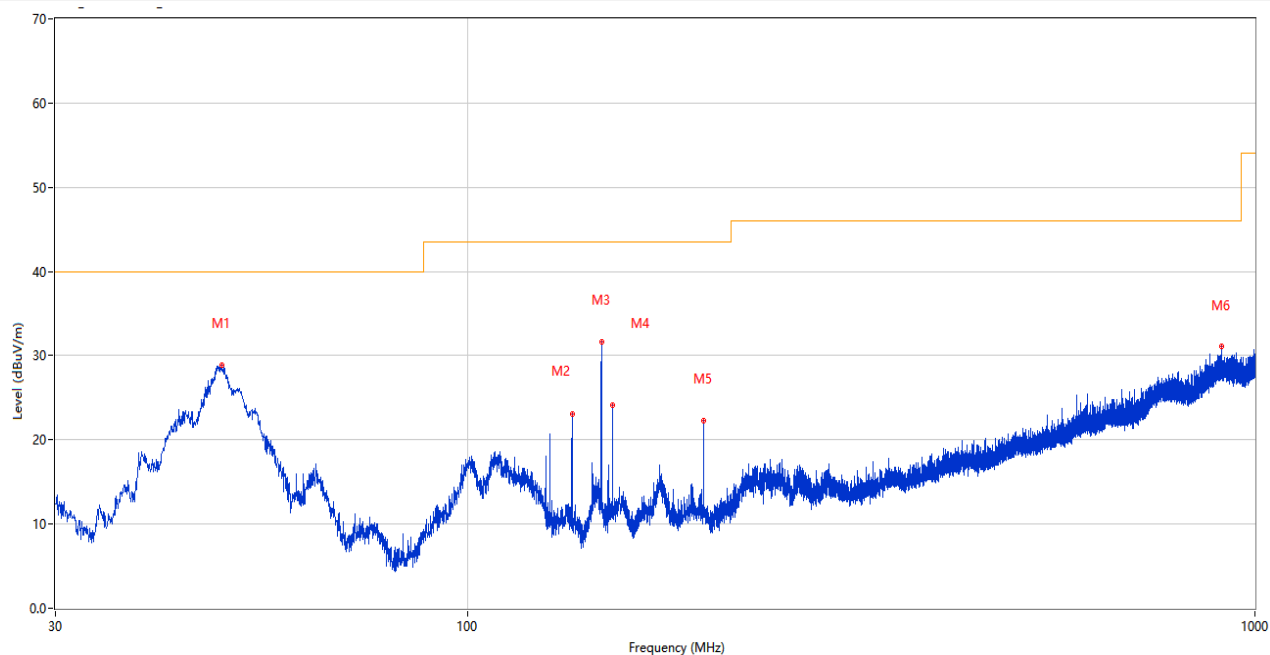
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.139	17.50	-25.28	40.0	22.50	Peak	226.00	100	Horizontal	Pass
2	104.933	14.71	-25.93	43.5	28.79	Peak	360.00	200	Horizontal	Pass
3	145.430	23.65	-30.10	43.5	19.85	Peak	324.00	200	Horizontal	Pass
4	227.444	21.71	-25.39	46.0	24.29	Peak	2.00	100	Horizontal	Pass
5	594.006	24.50	-15.50	46.0	21.50	Peak	43.00	200	Horizontal	Pass
6	905.231	30.89	-8.73	46.0	15.11	Peak	90.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

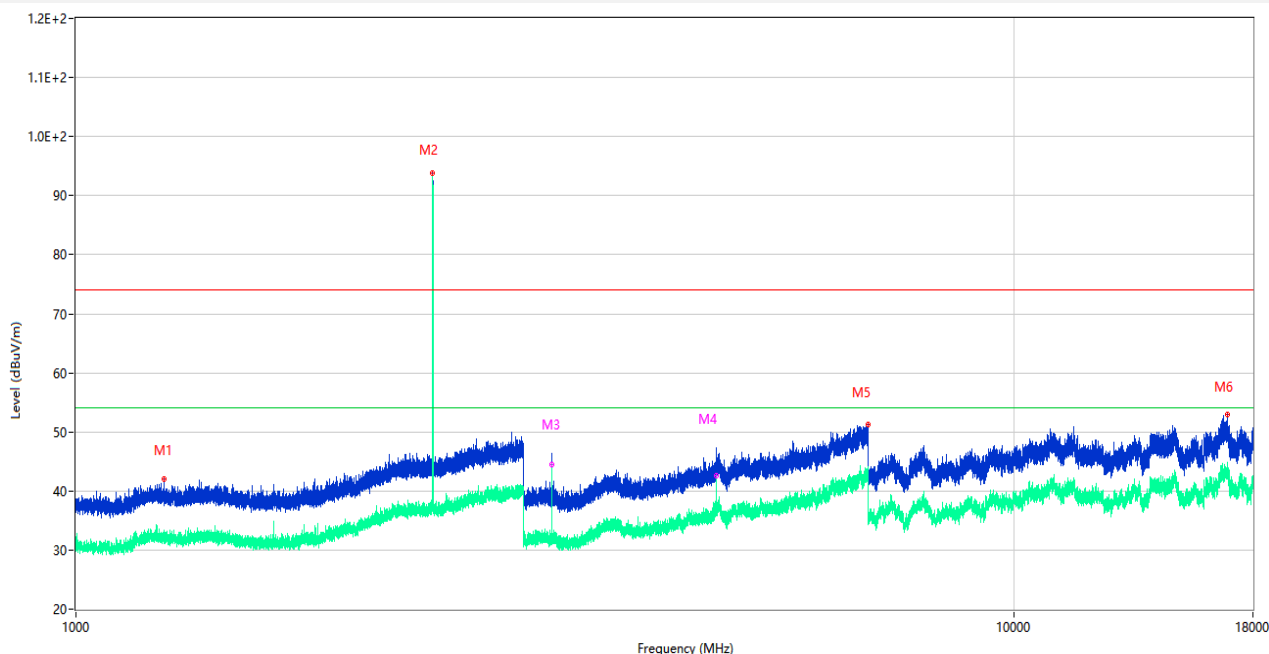


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.770	28.92	-25.94	40.0	11.08	Peak	191.00	100	Vertical	Pass
2	135.827	23.08	-29.76	43.5	20.42	Peak	346.00	200	Vertical	Pass
3	148.000	31.60	-29.97	43.5	11.90	Peak	205.00	100	Vertical	Pass
4	153.044	24.12	-29.62	43.5	19.38	Peak	360.00	100	Vertical	Pass
5	199.605	22.26	-26.10	43.5	21.24	Peak	111.00	100	Vertical	Pass
6	907.656	31.05	-8.73	46.0	14.95	Peak	235.00	200	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.

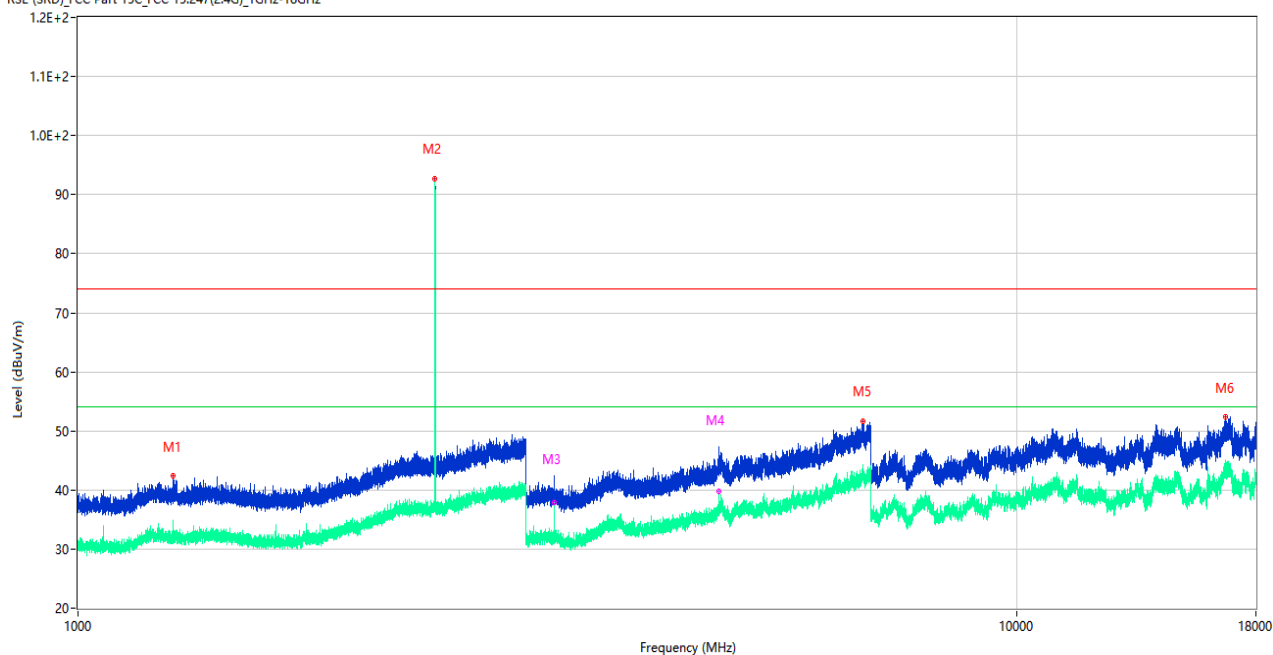
GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1241.000	42.02	-17.15	74.0	31.98	Peak	133.00	300	Horizontal	Pass
1**	1241.000	33.31	-17.15	54.0	20.69	AV	133.00	300	Horizontal	Pass
2	2401.700	93.79	-13.85	74.0	-19.79	Peak	175.00	200	Horizontal	N/A
2**	2401.700	92.25	-13.85	54.0	-38.25	AV	175.00	200	Horizontal	N/A
3	3216.200	46.19	-10.77	74.0	27.81	Peak	90.00	200	Horizontal	Pass
3**	3216.200	44.46	-10.77	54.0	9.54	AV	90.00	200	Horizontal	Pass
4	4824.400	46.10	-7.69	74.0	27.90	Peak	70.00	100	Horizontal	Pass
4**	4824.400	42.59	-7.69	54.0	11.41	AV	70.00	100	Horizontal	Pass
5	6991.000	51.33	-1.38	74.0	22.67	Peak	0.00	400	Horizontal	Pass
5**	6991.000	42.77	-1.38	54.0	11.23	AV	0.00	400	Horizontal	Pass
6	16915.088	52.99	6.89	74.0	21.01	Peak	81.00	200	Horizontal	Pass
6**	16915.088	44.00	6.89	54.0	10.00	AV	81.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

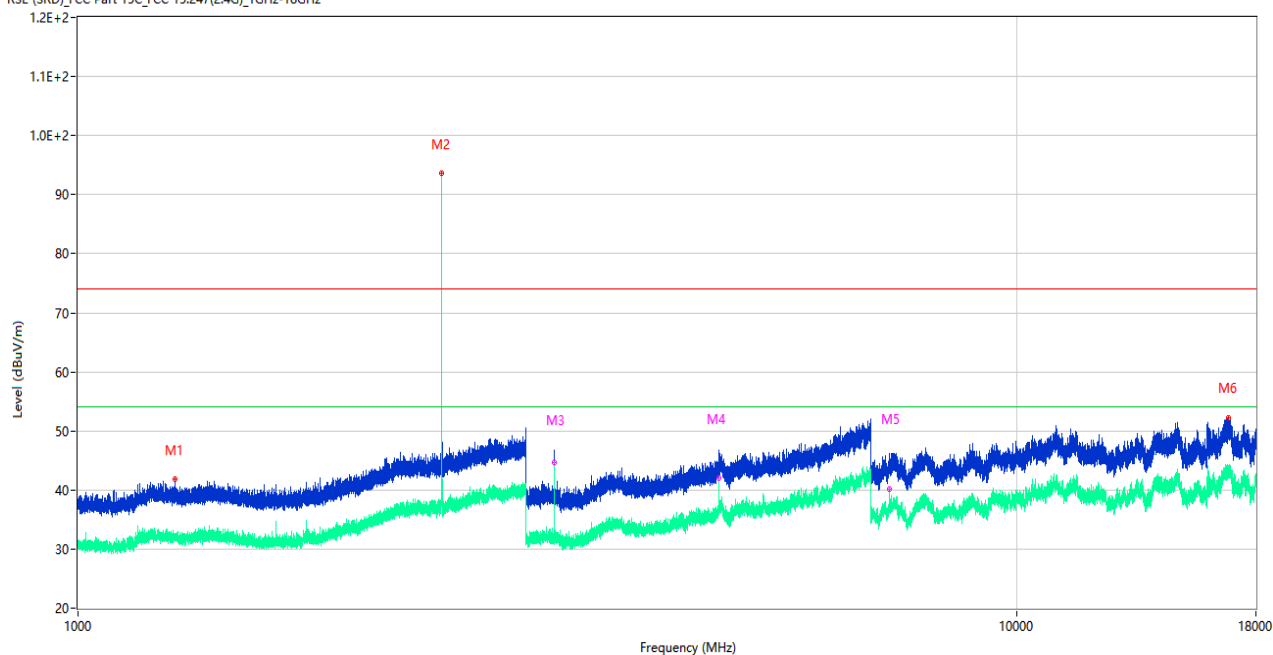
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1264.100	42.34	-17.77	74.0	31.66	Peak	135.00	400	Vertical	Pass
1**	1264.100	32.14	-17.77	54.0	21.86	AV	135.00	400	Vertical	Pass
2	2401.800	92.74	-13.91	74.0	-18.74	Peak	124.00	200	Vertical	N/A
2**	2401.800	91.75	-13.91	54.0	-37.75	AV	124.00	200	Vertical	N/A
3	3216.000	42.17	-10.72	74.0	31.83	Peak	360.00	100	Vertical	Pass
3**	3216.000	37.91	-10.72	54.0	16.09	AV	360.00	100	Vertical	Pass
4	4824.200	44.08	-7.64	74.0	29.92	Peak	360.00	100	Vertical	Pass
4**	4824.200	39.71	-7.64	54.0	14.29	AV	360.00	100	Vertical	Pass
5	6863.800	51.67	-0.53	74.0	22.33	Peak	168.00	300	Vertical	Pass
5**	6863.800	43.32	-0.53	54.0	10.68	AV	168.00	300	Vertical	Pass
6	16719.787	52.42	6.88	74.0	21.58	Peak	141.00	400	Vertical	Pass
6**	16719.787	43.34	6.88	54.0	10.66	AV	141.00	400	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

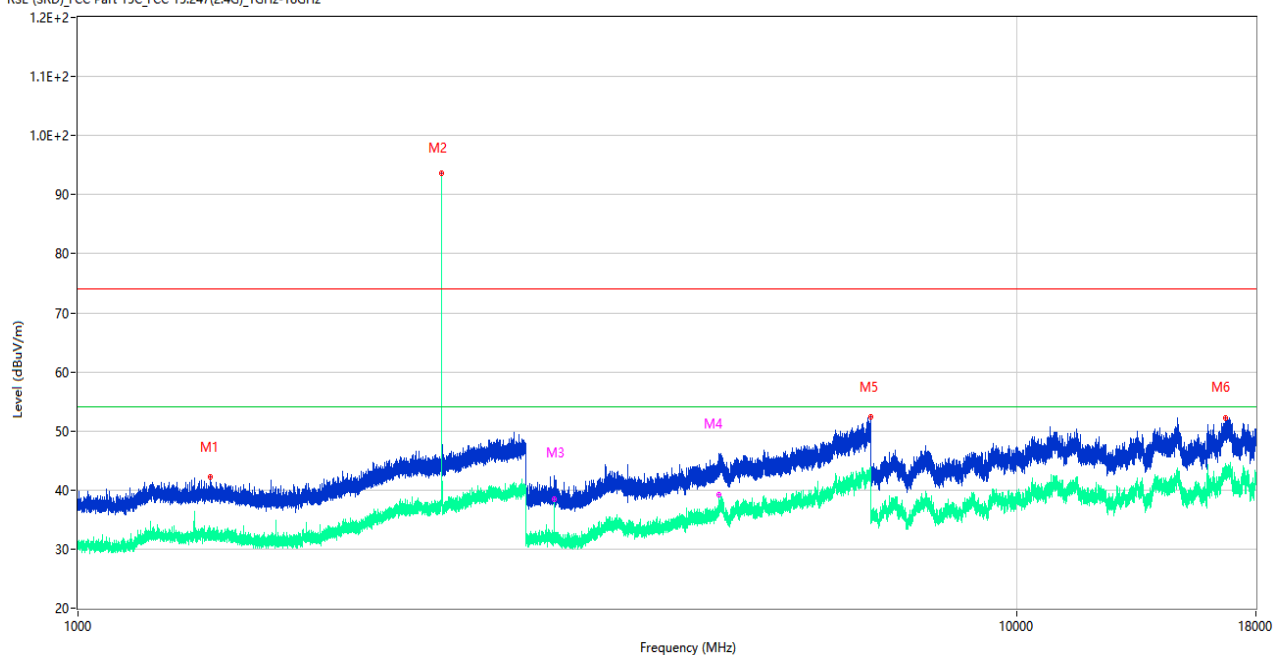
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1270.200	41.77	-17.57	74.0	32.23	Peak	196.00	100	Horizontal	Pass
1**	1270.200	32.07	-17.57	54.0	21.93	AV	196.00	100	Horizontal	Pass
2	2441.200	93.61	-13.31	74.0	-19.61	Peak	175.00	100	Horizontal	N/A
2**	2441.200	93.40	-13.31	54.0	-39.40	AV	175.00	100	Horizontal	N/A
3	3216.200	46.53	-10.77	74.0	27.47	Peak	313.00	100	Horizontal	Pass
3**	3216.200	44.73	-10.77	54.0	9.27	AV	313.00	100	Horizontal	Pass
4	4824.200	45.41	-7.64	74.0	28.59	Peak	65.00	200	Horizontal	Pass
4**	4824.200	42.10	-7.64	54.0	11.90	AV	65.00	200	Horizontal	Pass
5	7323.725	45.06	-1.93	74.0	28.94	Peak	346.00	200	Horizontal	Pass
5**	7323.725	40.19	-1.93	54.0	13.81	AV	346.00	200	Horizontal	Pass
6	16814.551	52.23	6.02	74.0	21.77	Peak	97.00	200	Horizontal	Pass
6**	16814.551	42.50	6.02	54.0	11.50	AV	97.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

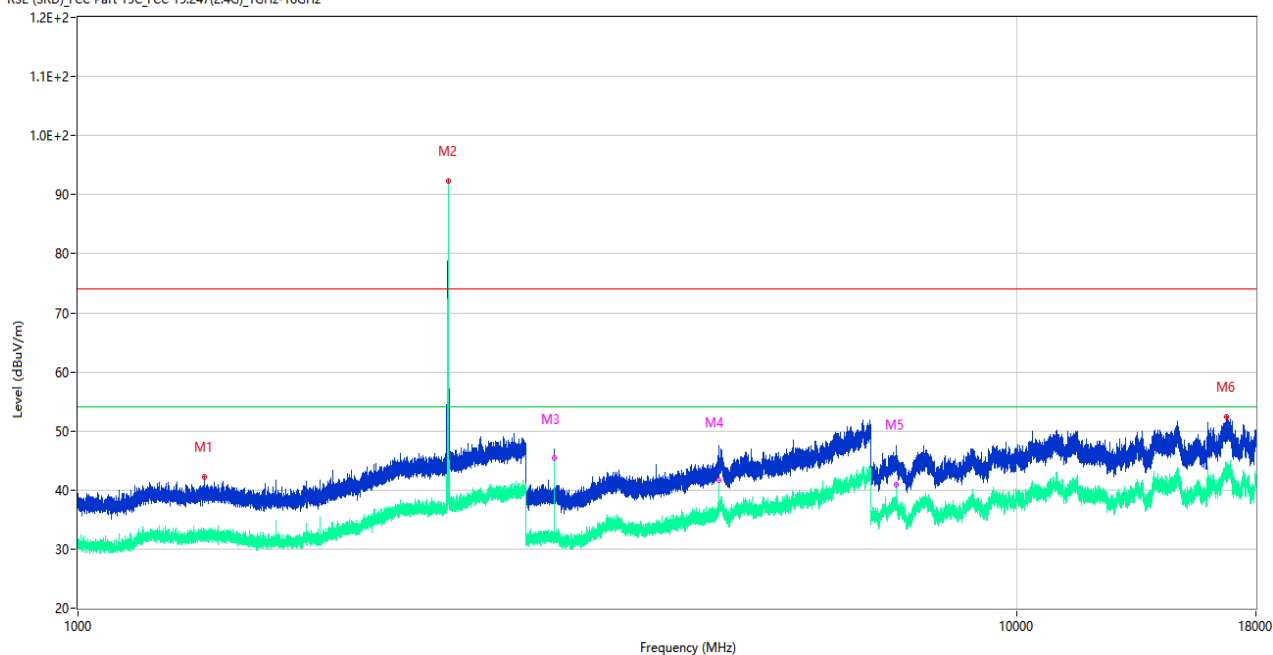
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.500	42.22	-17.33	74.0	31.78	Peak	360.00	100	Vertical	Pass
1**	1383.500	32.10	-17.33	54.0	21.90	AV	360.00	100	Vertical	Pass
2	2441.200	93.69	-13.31	74.0	-19.69	Peak	122.00	200	Vertical	N/A
2**	2441.200	93.20	-13.31	54.0	-39.20	AV	122.00	200	Vertical	N/A
3	3216.000	42.50	-10.72	74.0	31.50	Peak	360.00	100	Vertical	Pass
3**	3216.000	38.37	-10.72	54.0	15.63	AV	360.00	100	Vertical	Pass
4	4824.000	45.04	-7.59	74.0	28.96	Peak	77.00	100	Vertical	Pass
4**	4824.000	39.17	-7.59	54.0	14.83	AV	77.00	100	Vertical	Pass
5	6991.000	52.39	-1.38	74.0	21.61	Peak	36.00	300	Vertical	Pass
5**	6991.000	42.58	-1.38	54.0	11.42	AV	36.00	300	Vertical	Pass
6	16719.000	52.19	6.88	74.0	21.81	Peak	87.00	300	Vertical	Pass
6**	16719.000	44.18	6.88	54.0	9.82	AV	87.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

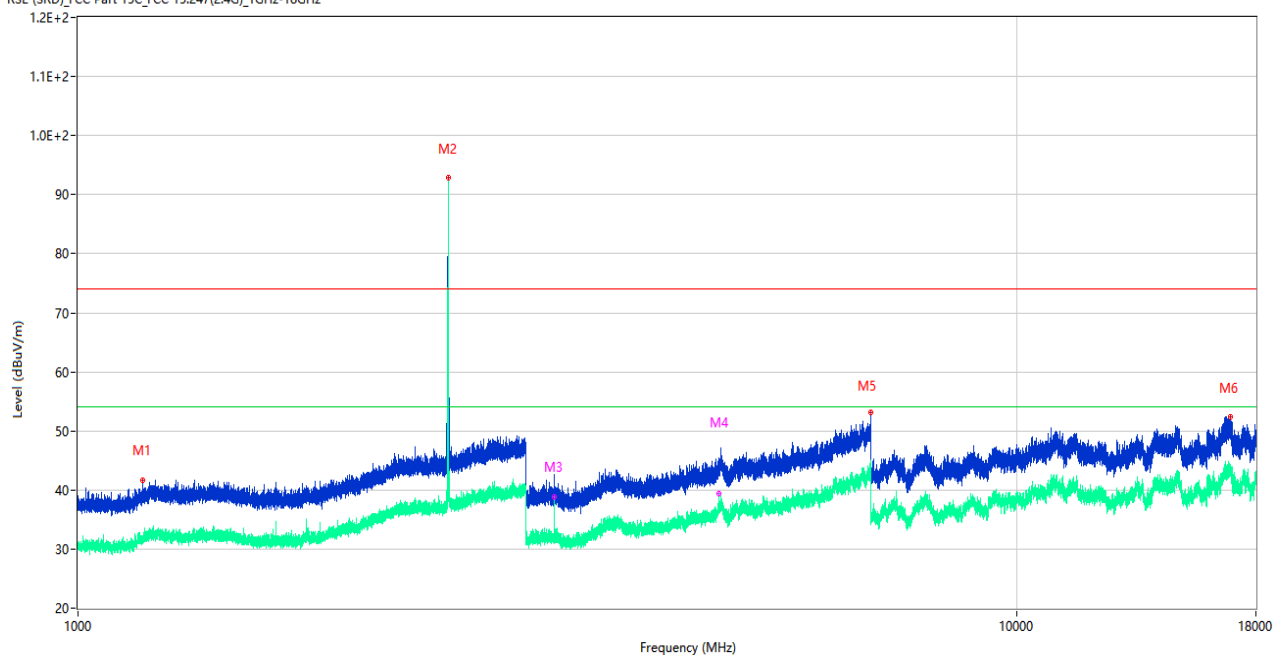
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1364.300	42.25	-17.24	74.0	31.75	Peak	133.00	400	Horizontal	Pass
1**	1364.300	32.56	-17.24	54.0	21.44	AV	133.00	400	Horizontal	Pass
2	2479.800	92.31	-13.54	74.0	-18.31	Peak	16.00	200	Horizontal	N/A
2**	2479.800	91.30	-13.54	54.0	-37.30	AV	16.00	200	Horizontal	N/A
3	3216.200	46.67	-10.77	74.0	27.33	Peak	86.00	100	Horizontal	Pass
3**	3216.200	45.39	-10.77	54.0	8.61	AV	86.00	100	Horizontal	Pass
4	4824.200	47.53	-7.64	74.0	26.47	Peak	63.00	400	Horizontal	Pass
4**	4824.200	41.56	-7.64	54.0	12.44	AV	63.00	400	Horizontal	Pass
5	7440.450	45.72	-1.56	74.0	28.28	Peak	339.00	300	Horizontal	Pass
5**	7440.450	40.90	-1.56	54.0	13.10	AV	339.00	300	Horizontal	Pass
6	16762.838	52.42	6.05	74.0	21.58	Peak	38.00	200	Horizontal	Pass
6**	16762.838	42.93	6.05	54.0	11.07	AV	38.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

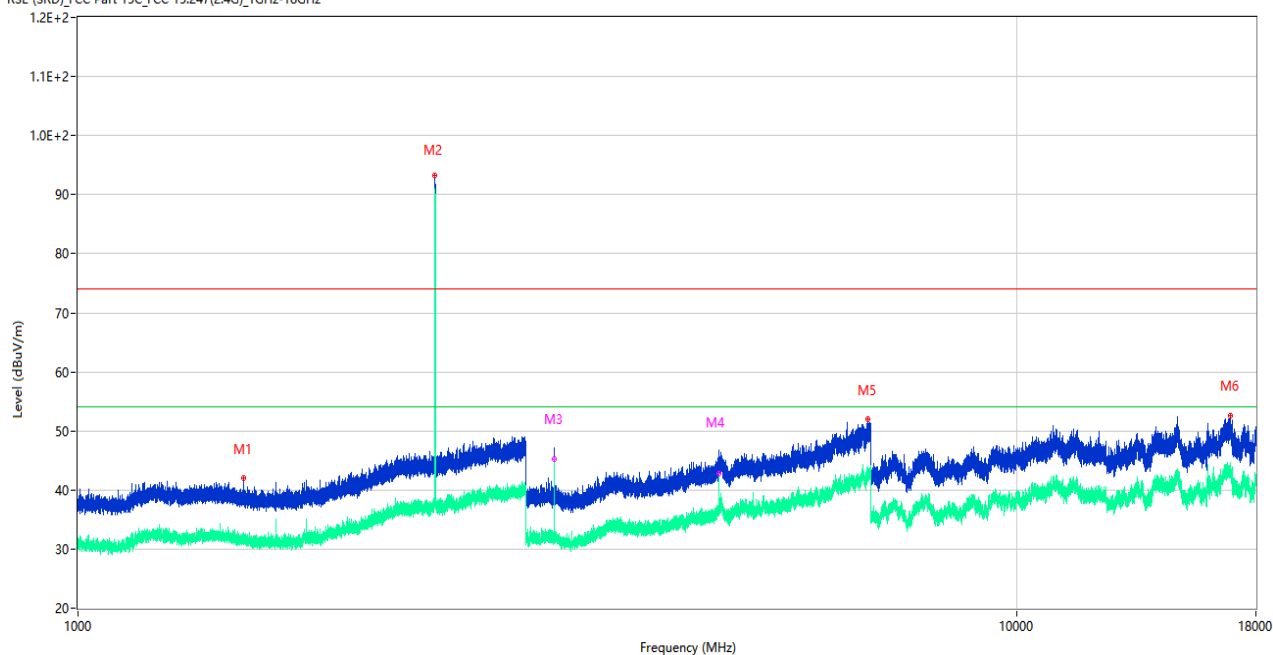
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.600	41.68	-18.05	74.0	32.32	Peak	209.00	300	Vertical	Pass
1**	1172.600	32.15	-18.05	54.0	21.85	AV	209.00	300	Vertical	Pass
2	2479.800	92.85	-13.54	74.0	-18.85	Peak	124.00	100	Vertical	N/A
2**	2479.800	92.28	-13.54	54.0	-38.28	AV	124.00	100	Vertical	N/A
3	3216.400	40.42	-10.81	74.0	33.58	Peak	60.00	100	Vertical	Pass
3**	3216.400	38.85	-10.81	54.0	15.15	AV	60.00	100	Vertical	Pass
4	4824.400	43.23	-7.69	74.0	30.77	Peak	18.00	100	Vertical	Pass
4**	4824.400	39.42	-7.69	54.0	14.58	AV	18.00	100	Vertical	Pass
5	6999.800	53.22	-1.08	74.0	20.78	Peak	354.00	100	Vertical	Pass
5**	6999.800	43.06	-1.08	54.0	10.94	AV	354.00	100	Vertical	Pass
6	16915.875	52.39	6.87	74.0	21.61	Peak	274.00	400	Vertical	Pass
6**	16915.875	42.79	6.87	54.0	11.21	AV	274.00	400	Vertical	Pass

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

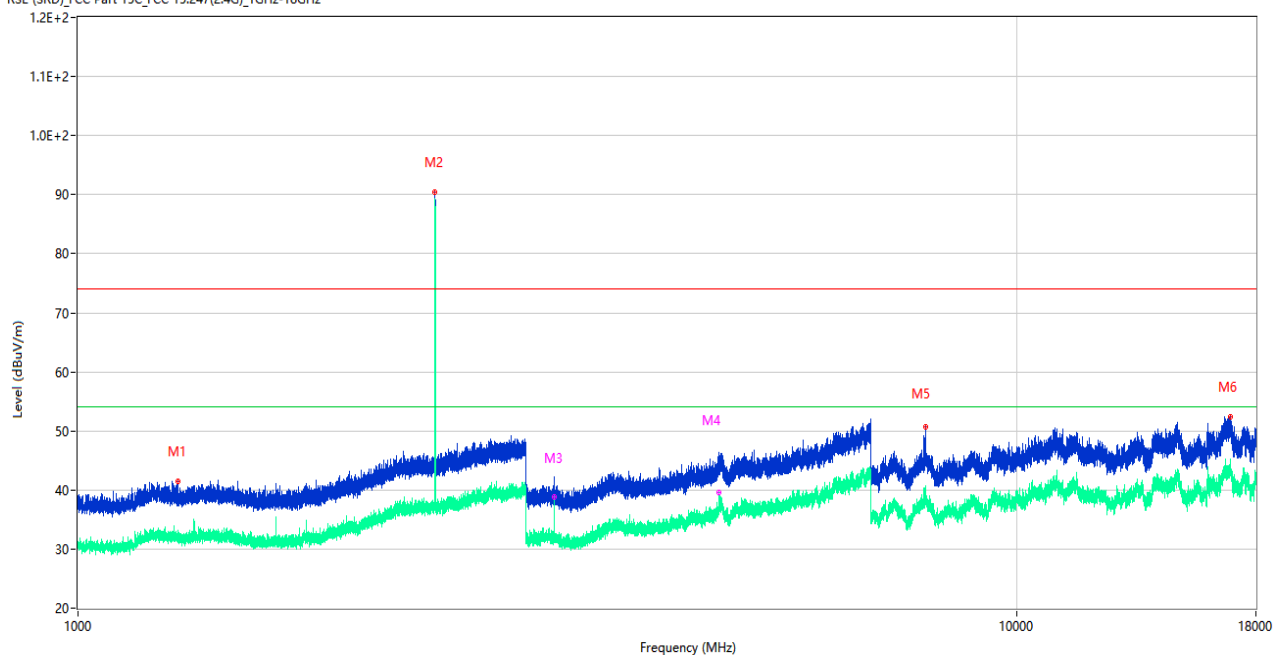
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.000	41.94	-18.46	74.0	32.06	Peak	282.00	300	Horizontal	Pass
1**	1502.000	31.23	-18.46	54.0	22.77	AV	282.00	300	Horizontal	Pass
2	2401.900	93.17	-13.97	74.0	-19.17	Peak	211.00	100	Horizontal	N/A
2**	2401.900	90.92	-13.97	54.0	-36.92	AV	211.00	100	Horizontal	N/A
3	3216.200	47.13	-10.77	74.0	26.87	Peak	276.00	200	Horizontal	Pass
3**	3216.200	45.22	-10.77	54.0	8.78	AV	276.00	200	Horizontal	Pass
4	4824.000	45.95	-7.59	74.0	28.05	Peak	67.00	300	Horizontal	Pass
4**	4824.000	42.70	-7.59	54.0	11.30	AV	67.00	300	Horizontal	Pass
5	6946.800	51.98	-1.38	74.0	22.02	Peak	88.00	200	Horizontal	Pass
5**	6946.800	43.42	-1.38	54.0	10.58	AV	88.00	200	Horizontal	Pass
6	16927.426	52.64	6.41	74.0	21.36	Peak	0.00	100	Horizontal	Pass
6**	16927.426	43.39	6.41	54.0	10.61	AV	0.00	100	Horizontal	Pass

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

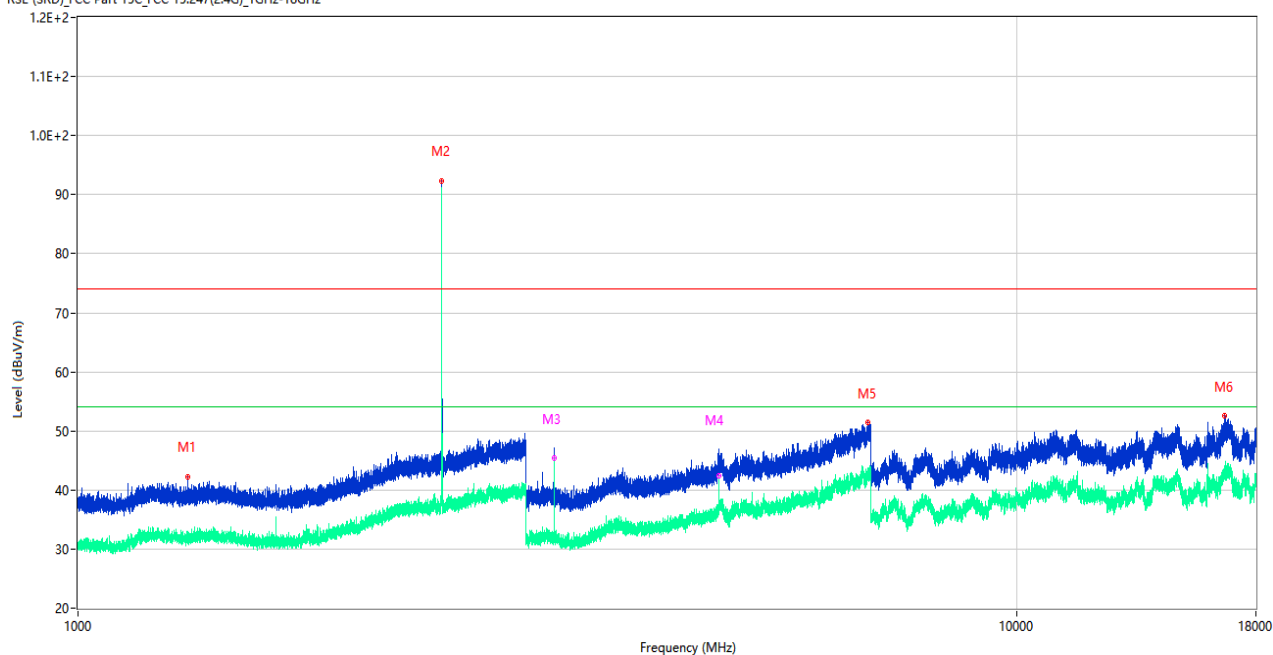
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1277.200	41.50	-18.11	74.0	32.50	Peak	181.00	300	Vertical	Pass
1**	1277.200	31.37	-18.11	54.0	22.63	AV	181.00	300	Vertical	Pass
2	2402.200	90.47	-14.13	74.0	-16.47	Peak	131.00	100	Vertical	N/A
2**	2402.200	89.02	-14.13	54.0	-35.02	AV	131.00	100	Vertical	N/A
3	3216.000	41.88	-10.72	74.0	32.12	Peak	20.00	200	Vertical	Pass
3**	3216.000	38.90	-10.72	54.0	15.10	AV	20.00	200	Vertical	Pass
4	4824.400	43.73	-7.69	74.0	30.27	Peak	222.00	300	Vertical	Pass
4**	4824.400	39.67	-7.69	54.0	14.33	AV	222.00	300	Vertical	Pass
5	7995.325	50.77	-0.84	74.0	23.23	Peak	111.00	400	Vertical	Pass
5**	7995.325	39.52	-0.84	54.0	14.48	AV	111.00	400	Vertical	Pass
6	16906.425	52.39	7.06	74.0	21.61	Peak	347.00	100	Vertical	Pass
6**	16906.425	42.90	7.06	54.0	11.10	AV	347.00	150	Vertical	Pass

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

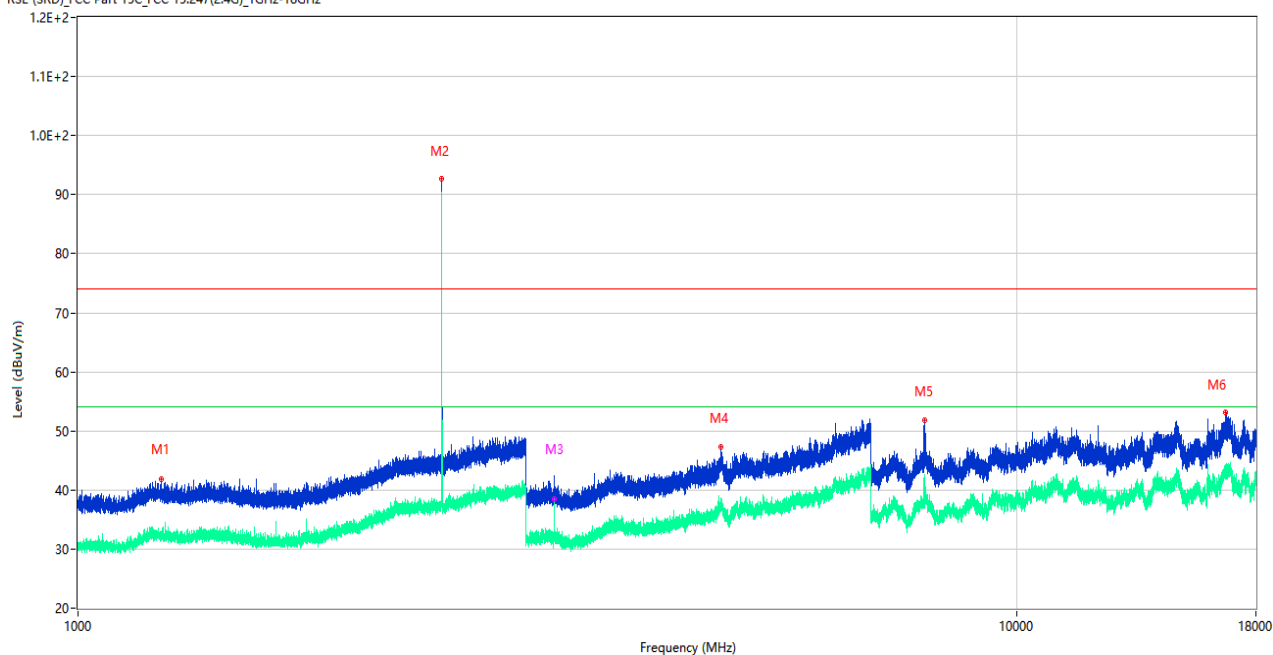
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1307.600	42.25	-18.08	74.0	31.75	Peak	0.00	400	Horizontal	Pass
1**	1307.600	32.74	-18.08	54.0	21.26	AV	0.00	400	Horizontal	Pass
2	2440.900	92.31	-13.56	74.0	-18.31	Peak	190.00	200	Horizontal	N/A
2**	2440.900	90.63	-13.56	54.0	-36.63	AV	190.00	200	Horizontal	N/A
3	3216.200	46.70	-10.77	74.0	27.30	Peak	57.00	100	Horizontal	Pass
3**	3216.200	45.42	-10.77	54.0	8.58	AV	57.00	100	Horizontal	Pass
4	4824.200	45.97	-7.64	74.0	28.03	Peak	18.00	200	Horizontal	Pass
4**	4824.200	42.47	-7.64	54.0	11.53	AV	18.00	200	Horizontal	Pass
5	6948.800	51.43	-0.81	74.0	22.57	Peak	321.00	200	Horizontal	Pass
5**	6948.800	42.74	-0.81	54.0	11.26	AV	321.00	200	Horizontal	Pass
6	16654.162	52.63	6.03	74.0	21.37	Peak	312.00	100	Horizontal	Pass
6**	16654.162	42.33	6.03	54.0	11.67	AV	312.00	100	Horizontal	Pass

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

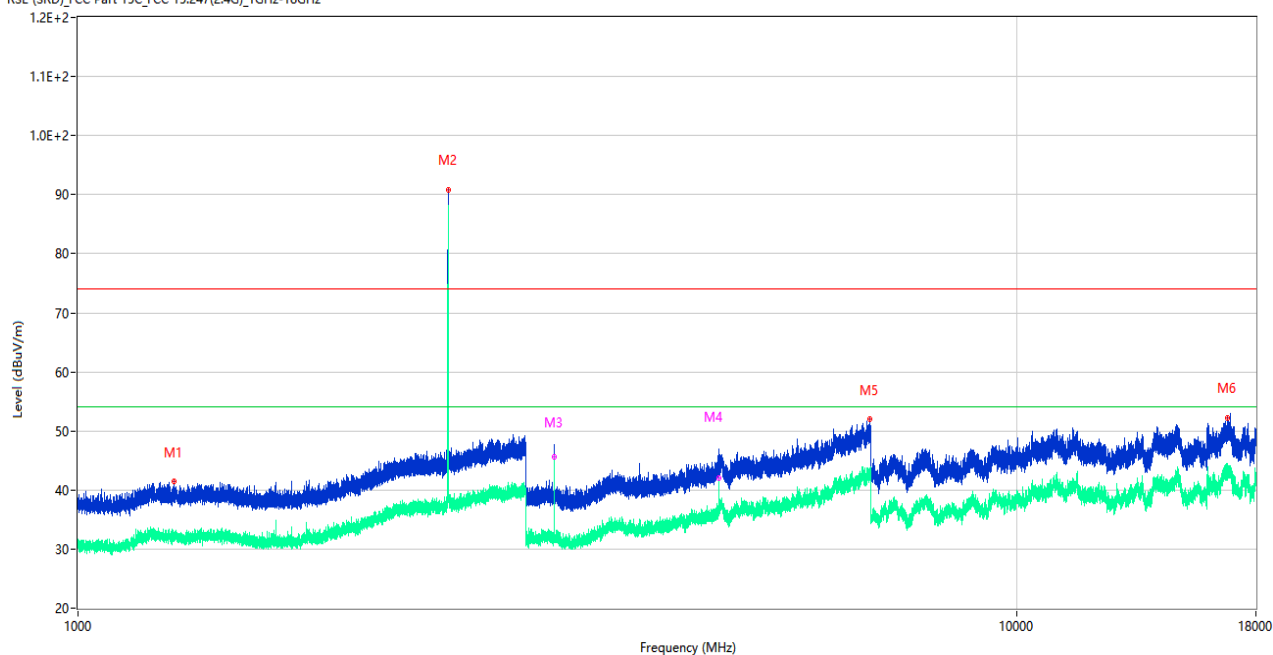
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1225.400	41.84	-17.46	74.0	32.16	Peak	353.00	100	Vertical	Pass
1**	1225.400	32.21	-17.46	54.0	21.79	AV	353.00	100	Vertical	Pass
2	2441.100	92.77	-13.39	74.0	-18.77	Peak	199.00	200	Vertical	N/A
2**	2441.100	90.11	-13.39	54.0	-36.11	AV	199.00	200	Vertical	N/A
3	3216.000	42.37	-10.72	74.0	31.63	Peak	360.00	100	Vertical	Pass
3**	3216.000	38.41	-10.72	54.0	15.59	AV	360.00	100	Vertical	Pass
4	4845.000	47.32	-6.28	74.0	26.68	Peak	140.00	200	Vertical	Pass
4**	4845.000	38.30	-6.28	54.0	15.70	AV	140.00	200	Vertical	Pass
5	7976.062	51.80	-0.92	74.0	22.20	Peak	111.00	100	Vertical	Pass
5**	7976.062	41.10	-0.92	54.0	12.90	AV	111.00	100	Vertical	Pass
6	16701.676	53.18	6.62	74.0	20.82	Peak	22.00	200	Vertical	Pass
6**	16701.676	42.17	6.62	54.0	11.83	AV	22.00	200	Vertical	Pass

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

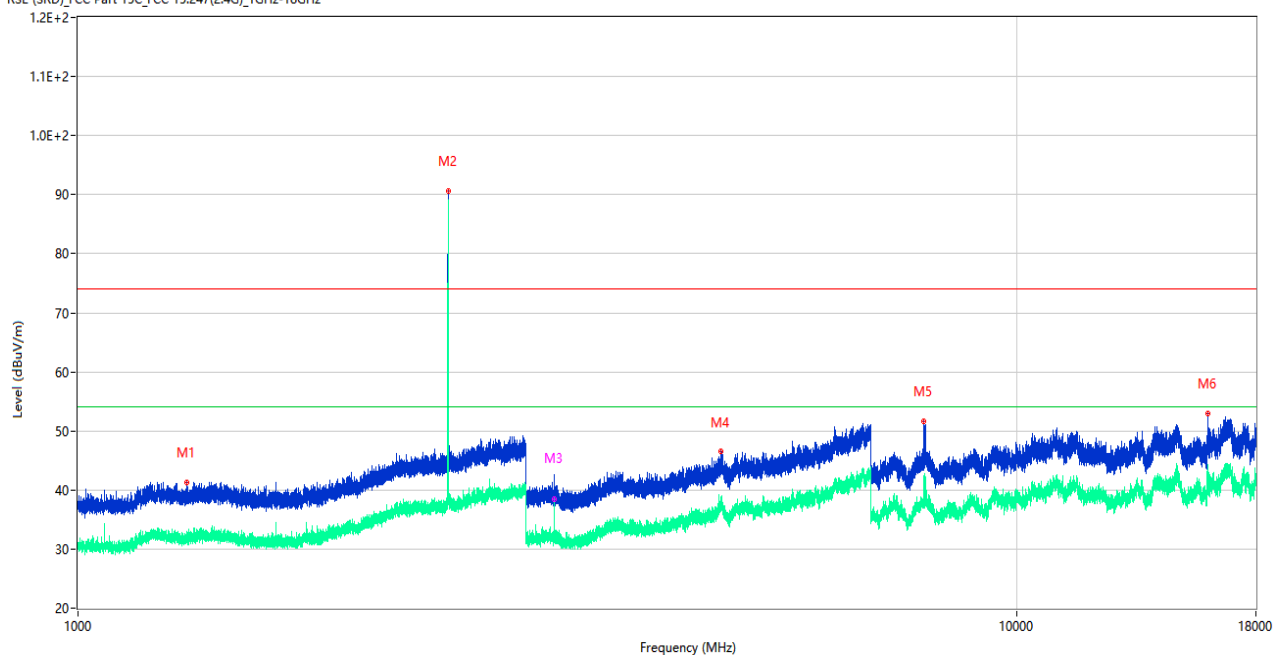
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1266.200	41.38	-17.67	74.0	32.62	Peak	180.00	100	Horizontal	Pass
1**	1266.200	32.33	-17.67	54.0	21.67	AV	180.00	100	Horizontal	Pass
2	2480.000	90.85	-13.55	74.0	-16.85	Peak	27.00	100	Horizontal	N/A
2**	2480.000	88.13	-13.55	54.0	-34.13	AV	27.00	100	Horizontal	N/A
3	3216.200	47.04	-10.77	74.0	26.96	Peak	282.00	200	Horizontal	Pass
3**	3216.200	45.61	-10.77	54.0	8.39	AV	282.00	200	Horizontal	Pass
4	4824.200	45.76	-7.64	74.0	28.24	Peak	303.00	300	Horizontal	Pass
4**	4824.200	42.00	-7.64	54.0	12.00	AV	303.00	300	Horizontal	Pass
5	6971.000	51.92	-1.16	74.0	22.08	Peak	0.00	400	Horizontal	Pass
5**	6971.000	42.63	-1.16	54.0	11.37	AV	0.00	400	Horizontal	Pass
6	16785.150	52.24	5.84	74.0	21.76	Peak	100.00	300	Horizontal	Pass
6**	16785.150	42.97	5.84	54.0	11.03	AV	100.00	300	Horizontal	Pass

8DPSK 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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1306.900	41.31	-17.86	74.0	32.69	Peak	344.00	100	Vertical	Pass
1**	1306.900	31.93	-17.86	54.0	22.07	AV	344.00	100	Vertical	Pass
2	2479.800	90.67	-13.54	74.0	-16.67	Peak	201.00	100	Vertical	N/A
2**	2479.800	88.10	-13.54	54.0	-34.10	AV	201.00	100	Vertical	N/A
3	3216.400	41.95	-10.81	74.0	32.05	Peak	15.00	100	Vertical	Pass
3**	3216.400	38.52	-10.81	54.0	15.48	AV	15.00	100	Vertical	Pass
4	4845.400	46.54	-6.43	74.0	27.46	Peak	136.00	400	Vertical	Pass
4**	4845.400	37.95	-6.43	54.0	16.05	AV	136.00	400	Vertical	Pass
5	7975.487	51.69	-0.94	74.0	22.31	Peak	111.00	300	Vertical	Pass
5**	7975.487	37.44	-0.94	54.0	16.56	AV	111.00	300	Vertical	Pass
6	16000.012	52.95	7.38	74.0	21.05	Peak	244.00	400	Vertical	Pass
6**	16000.012	43.83	7.38	54.0	10.17	AV	244.00	400	Vertical	Pass

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

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

Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

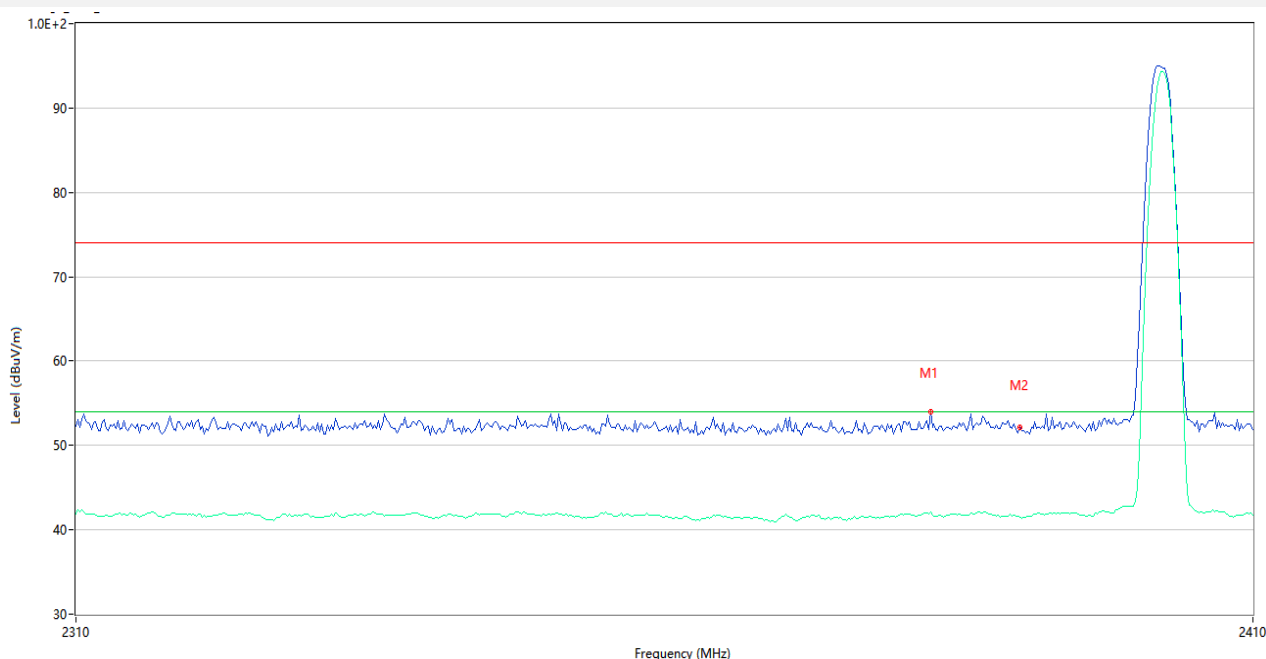
Note³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

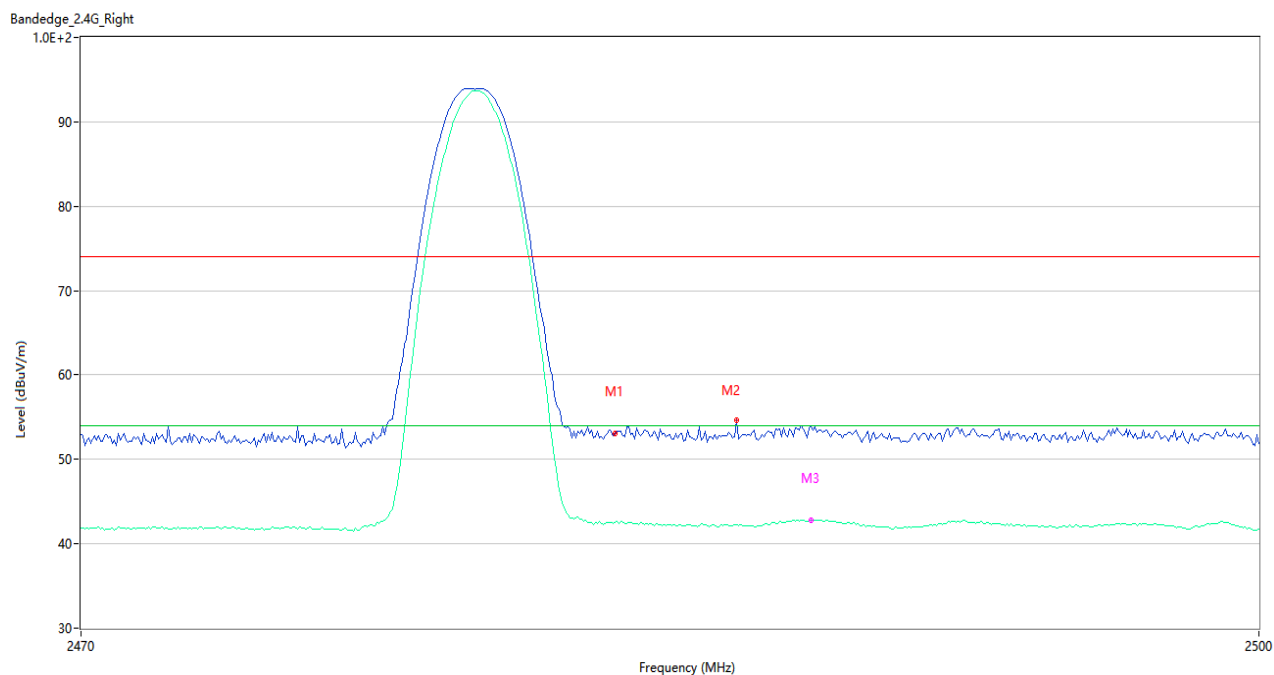
Test Data and Plots

GFSK LOW CHANNEL



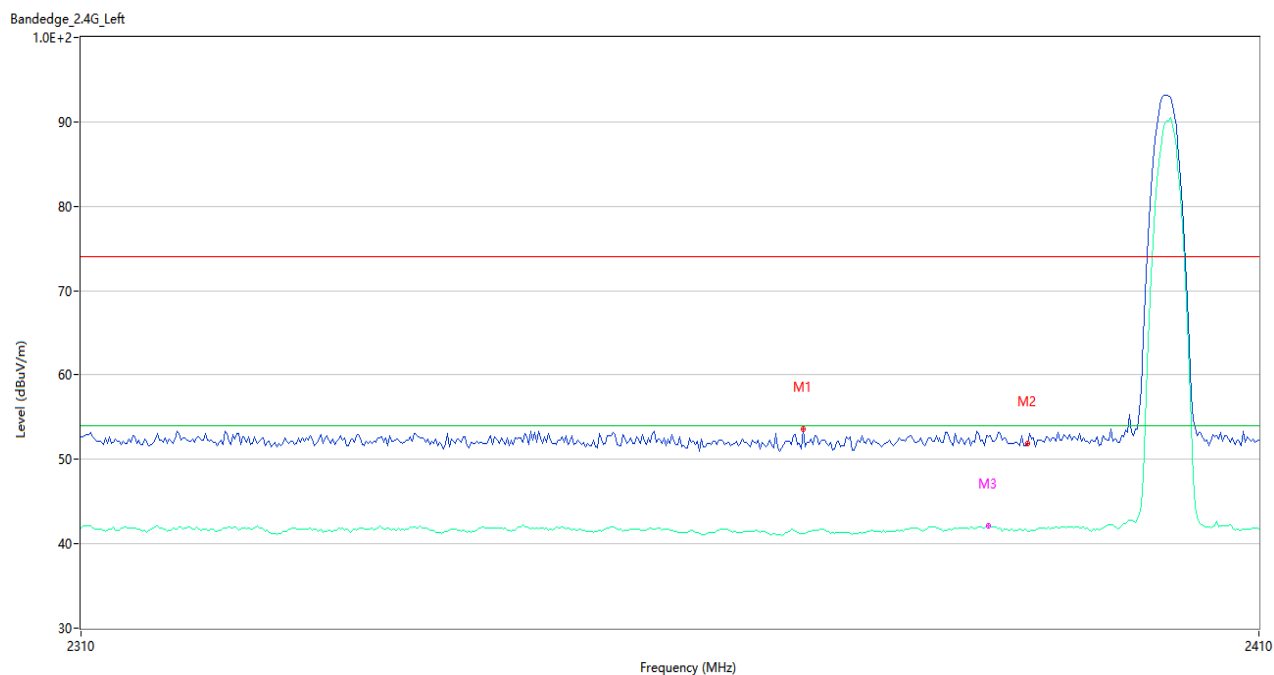
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2382.167	54.03	-1.70	74.0	19.97	Peak	86.00	400	Horizontal	Pass
1**	2382.167	42.16	-1.70	54.0	11.84	AV	86.00	400	Horizontal	Pass
2	2390.000	52.17	-2.11	74.0	21.83	Peak	268.00	100	Horizontal	Pass
2**	2390.000	41.53	-2.11	54.0	12.47	AV	268.00	100	Horizontal	Pass

GFSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.05	-1.03	74.0	20.95	Peak	116.00	200	Horizontal	Pass
1**	2483.500	42.49	-1.03	54.0	11.51	AV	116.00	200	Horizontal	Pass
2	2486.650	54.64	-1.23	74.0	19.36	Peak	252.00	100	Horizontal	Pass
2**	2486.650	42.27	-1.23	54.0	11.73	AV	252.00	100	Horizontal	Pass
3	2488.550	53.93	-0.70	74.0	20.07	Peak	0.00	100	Horizontal	Pass
3**	2488.550	42.85	-0.70	54.0	11.15	AV	0.00	100	Horizontal	Pass

8DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2370.833	53.66	-2.48	74.0	20.34	Peak	119.00	100	Horizontal	Pass
1**	2370.833	41.15	-2.48	54.0	12.85	AV	119.00	100	Horizontal	Pass
2	2390.000	51.89	-2.16	74.0	22.11	Peak	229.00	400	Horizontal	Pass
2**	2390.000	41.49	-2.16	54.0	12.51	AV	229.00	400	Horizontal	Pass
3	2386.667	52.74	-1.54	74.0	21.26	Peak	311.00	400	Horizontal	Pass
3**	2386.667	42.08	-1.54	54.0	11.92	AV	311.00	400	Horizontal	Pass

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.18	-1.03	74.0	20.82	Peak	299.00	400	Horizontal	Pass
1**	2483.500	42.50	-1.03	54.0	11.50	AV	299.00	400	Horizontal	Pass
2	2488.550	54.49	-0.70	74.0	19.51	Peak	357.00	200	Horizontal	Pass
2**	2488.550	42.80	-0.70	54.0	11.20	AV	357.00	200	Horizontal	Pass
3	2488.850	52.51	-0.72	74.0	21.49	Peak	87.00	100	Horizontal	Pass
3**	2488.850	43.12	-0.72	54.0	10.88	AV	87.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26030232-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26030232-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26030232-AI.PDF”.

Statement

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--END OF REPORT--