

A.3 20 dB and 99% bandwidth

Test Data

GFSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	0.870100	0.753440
Middle	0.870100	0.754160
High	0.870100	0.754770
$\pi/4$ -DQPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.267300	1.143500
Middle	1.267300	1.143500
High	1.267300	1.144100
8-DPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.267600	1.145900
Middle	1.267600	1.145500
High	1.267600	1.145300

Test Plots

20 dB 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



8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK 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



8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



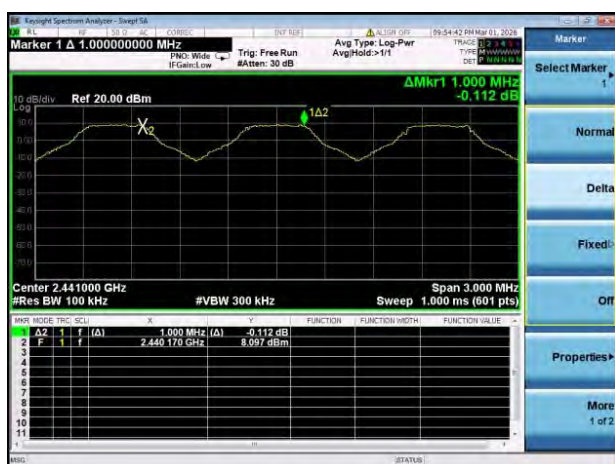
A.4 Hopping Frequency Separation

Test Data

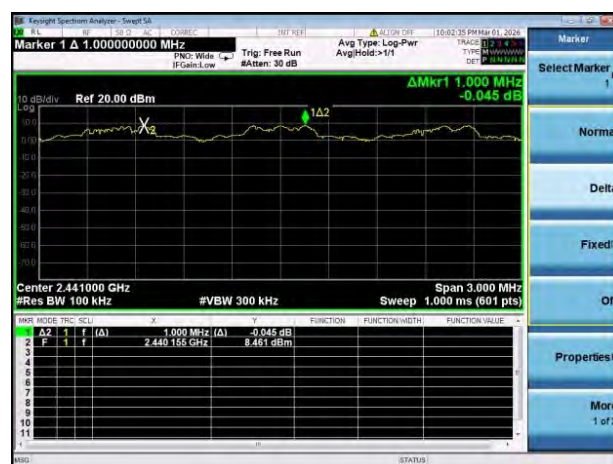
Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.580	Pass
8-DPSK	1.000	0.845	Pass

Test Plots

GFSK



8-DPSK



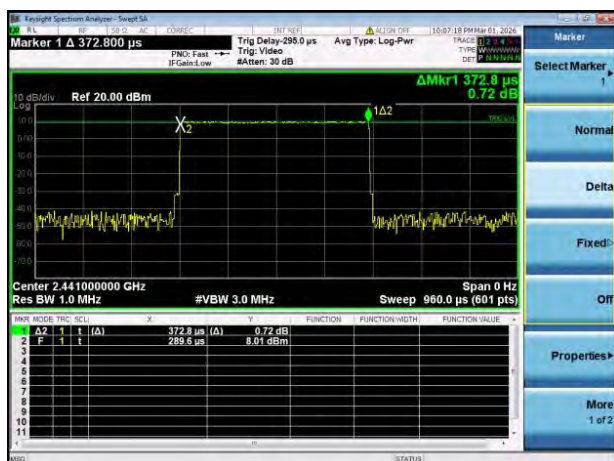
A.5 Average Time of Occupancy

Test Data

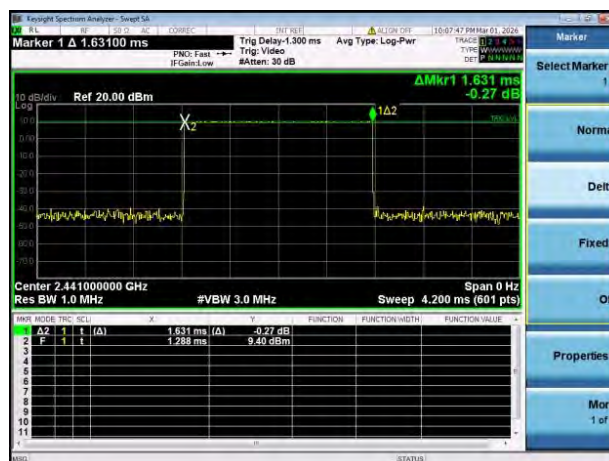
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37280	119.296	0.4	Pass
DH 3	1.63100	260.960	0.4	Pass
DH 5	2.88000	307.200	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.38240	122.368	0.4	Pass
3DH 3	1.63800	262.080	0.4	Pass
3DH 5	2.88000	307.200	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37280	59.648	0.4	Pass
DH 3	1.63100	130.480	0.4	Pass
DH 5	2.86800	152.960	0.4	Pass

Test Plots

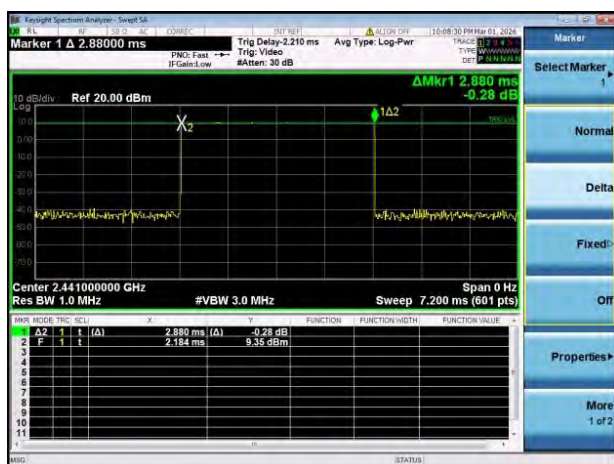
GFSK DH1



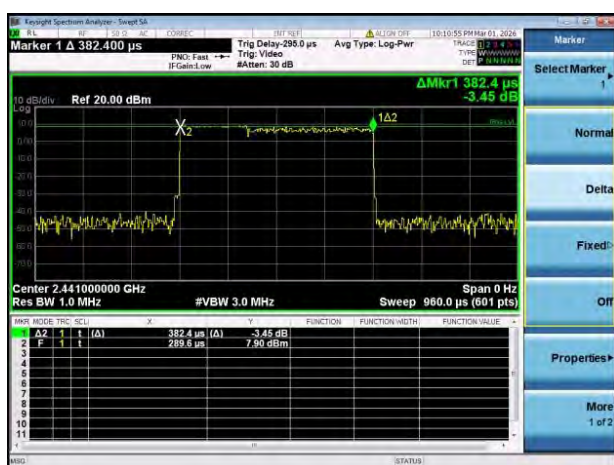
GFSK DH3



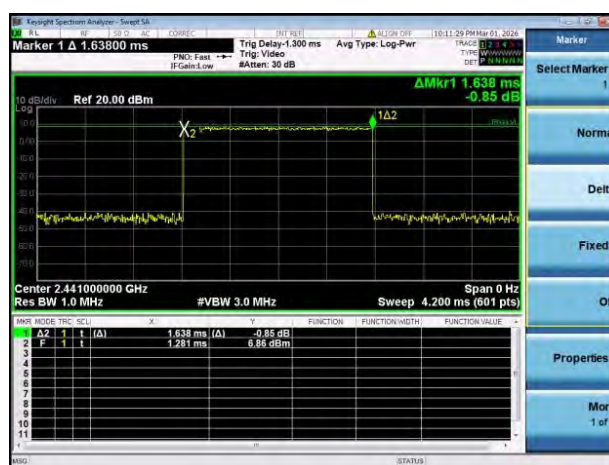
GFSK DH5



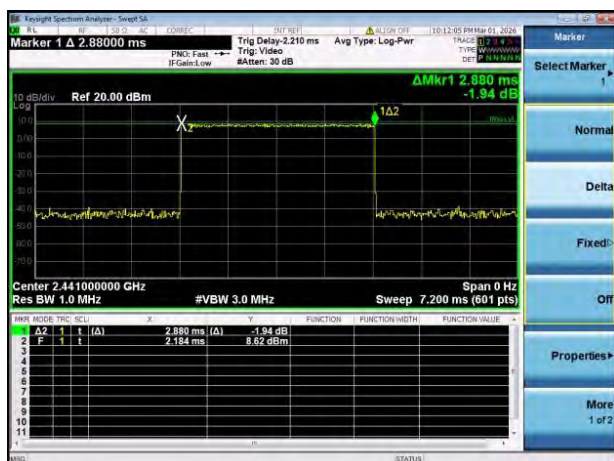
8-DPSK 3DH1



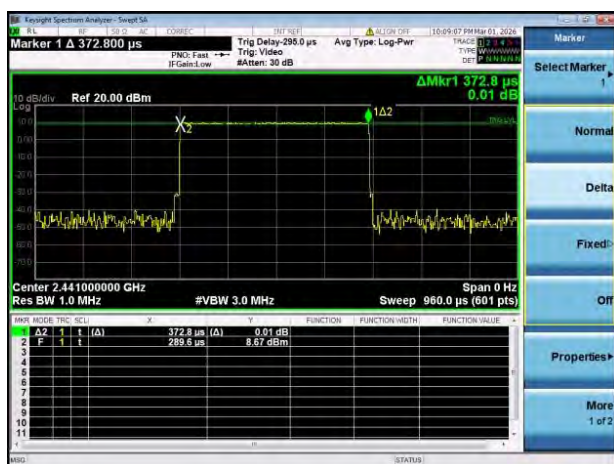
8-DPSK 3DH3



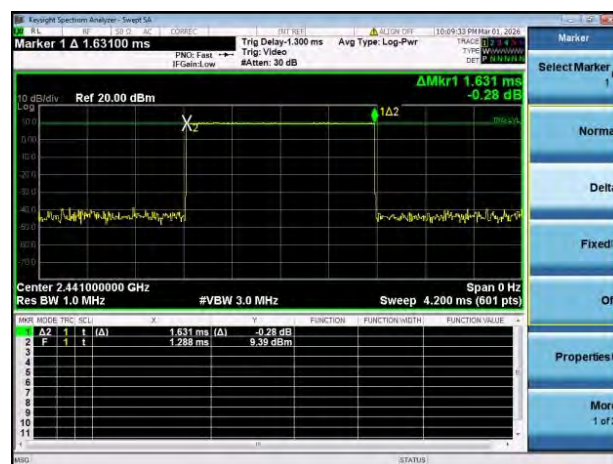
8-DPSK 3DH5



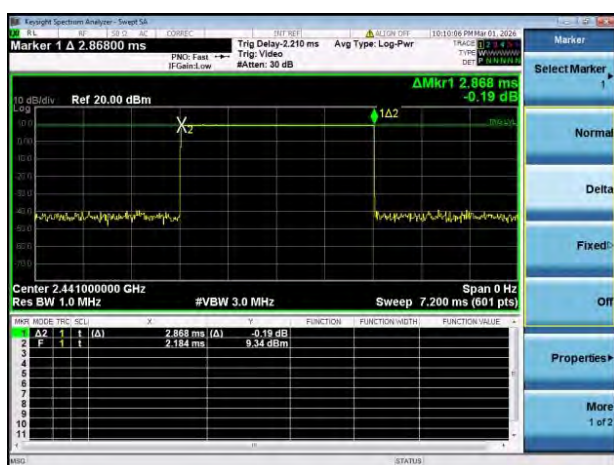
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

Test Data

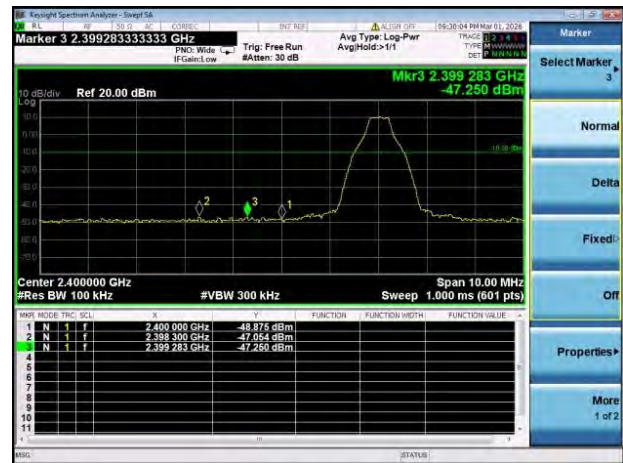
GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-31.69	9.62	-10.38	Pass
Middle	-33.34	8.96	-11.04	Pass
High	-33.24	8.52	-11.48	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-32.70	9.06	-10.94	Pass
Middle	-32.85	8.36	-11.64	Pass
High	-33.76	7.70	-12.30	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-32.07	9.89	-10.11	Pass
8-DPSK	-30.70	8.97	-11.03	Pass

Test Plots

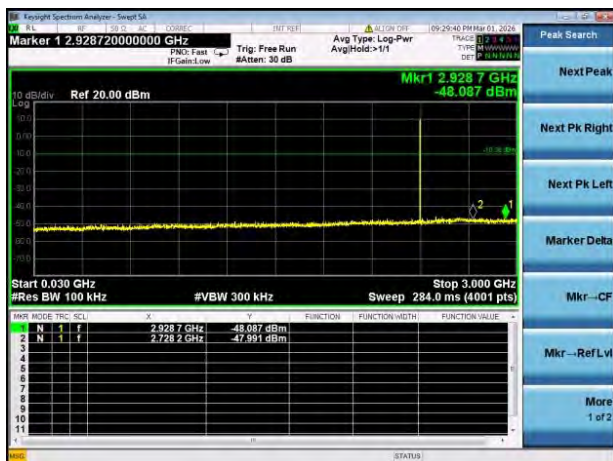
GFSK LOW CHANNEL, CARRIER LEVEL



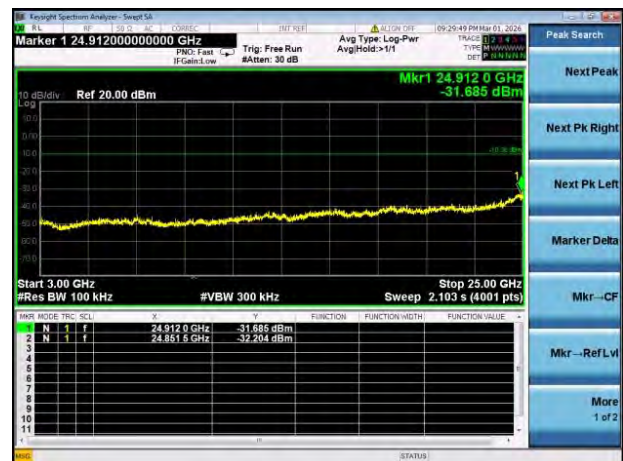
GFSK LOW CHANNEL, BAND EDGE



GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



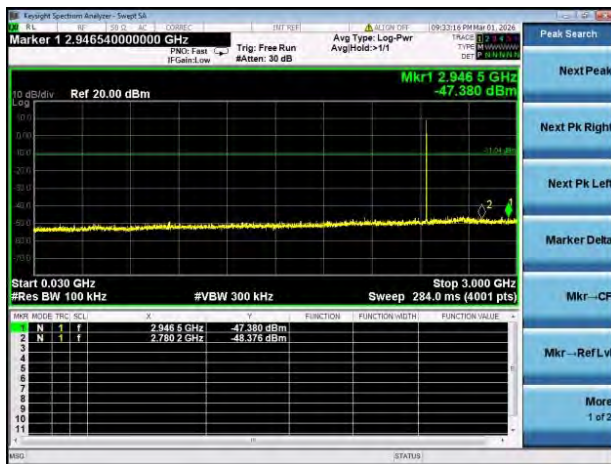
GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



GFSK MIDDLE CHANNEL, CARRIER LEVEL



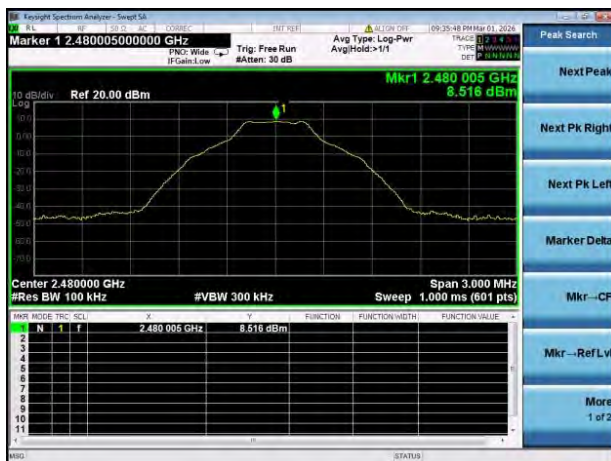
GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



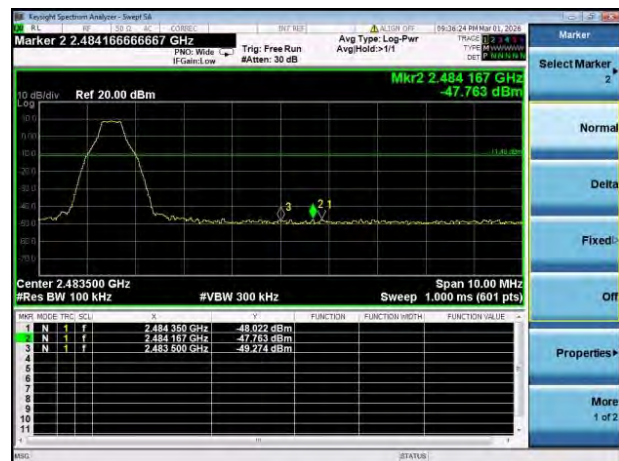
GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



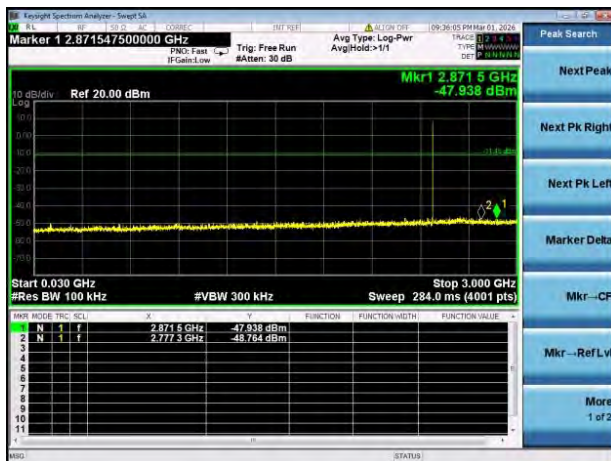
GFSK HIGH CHANNEL, CARRIER LEVEL



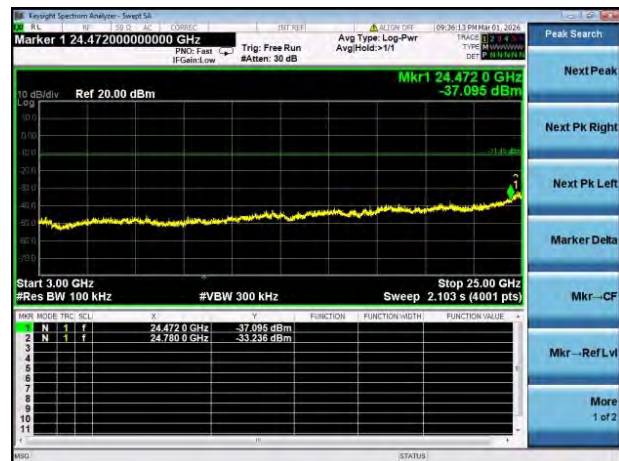
GFSK HIGH CHANNEL, BAND EDGE



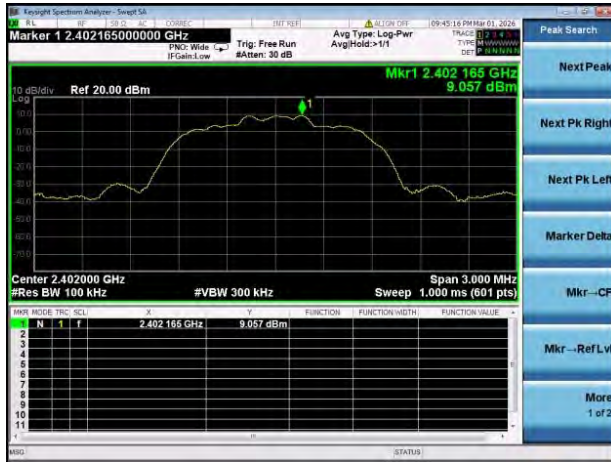
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



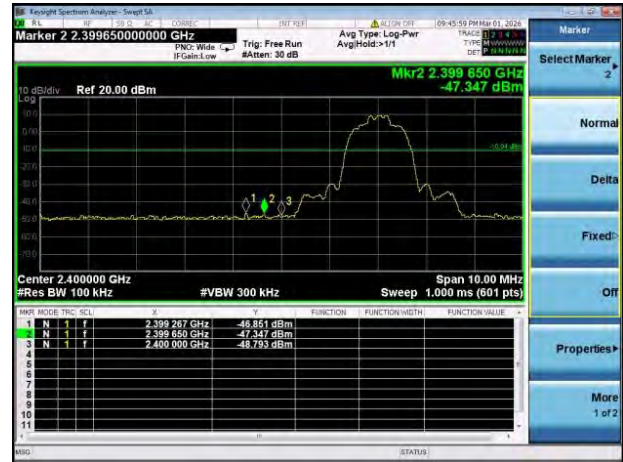
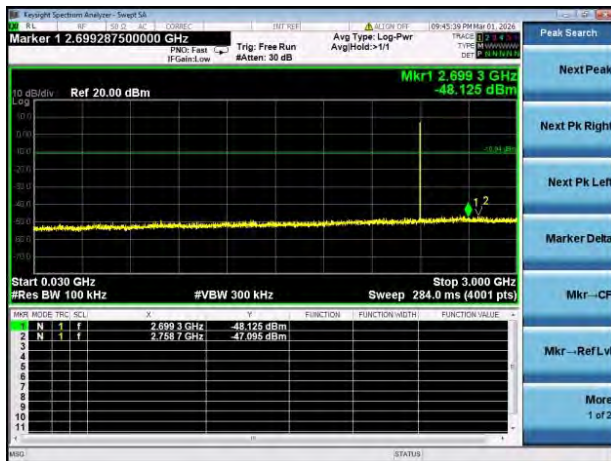
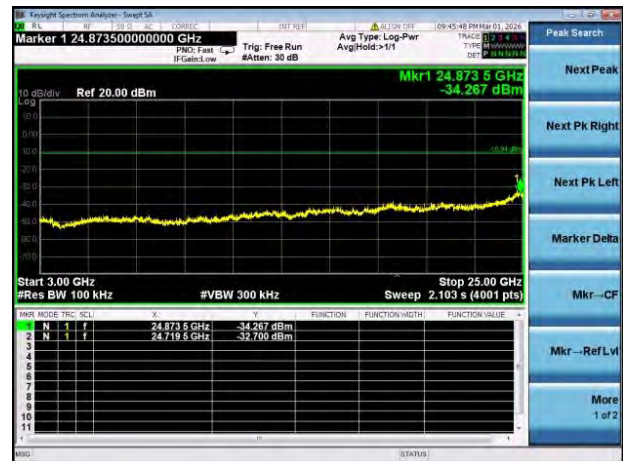
GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



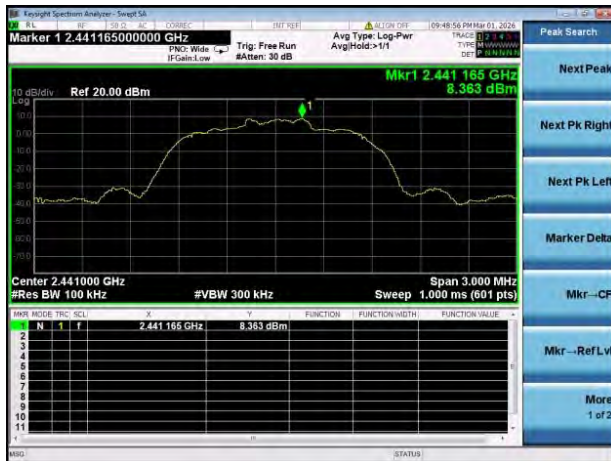
8-DPSK LOW CHANNEL, CARRIER LEVEL



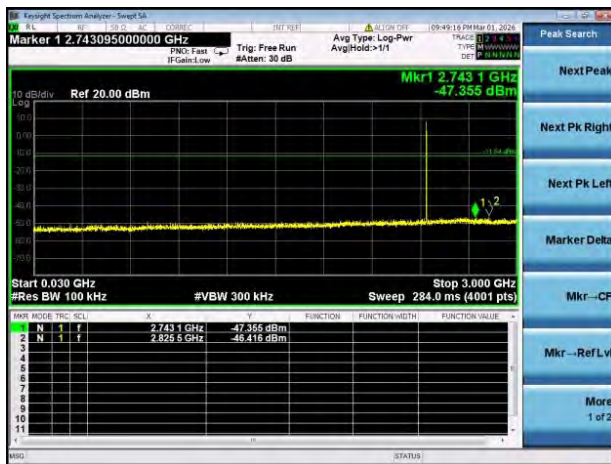
8-DPSK LOW CHANNEL, BAND EDGE

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

8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



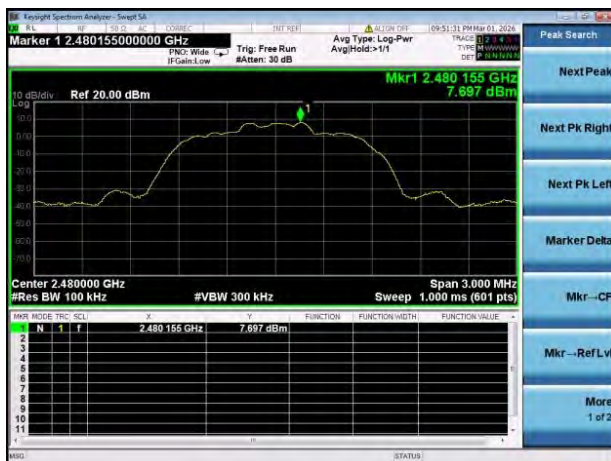
8-DPSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



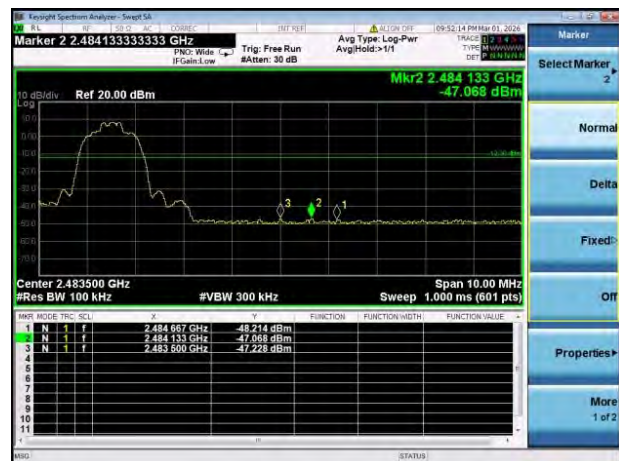
8-DPSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



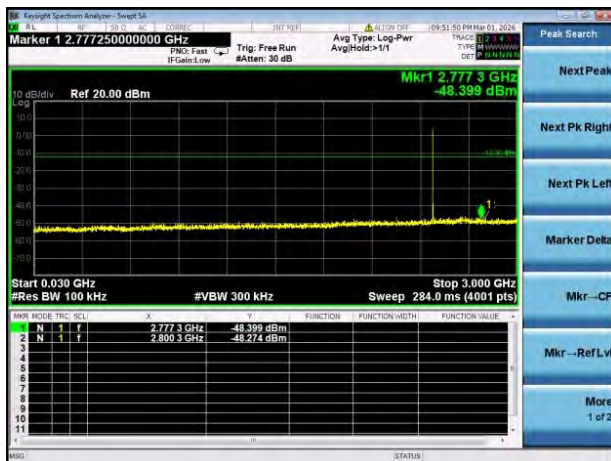
8-DPSK HIGH CHANNEL, CARRIER LEVEL



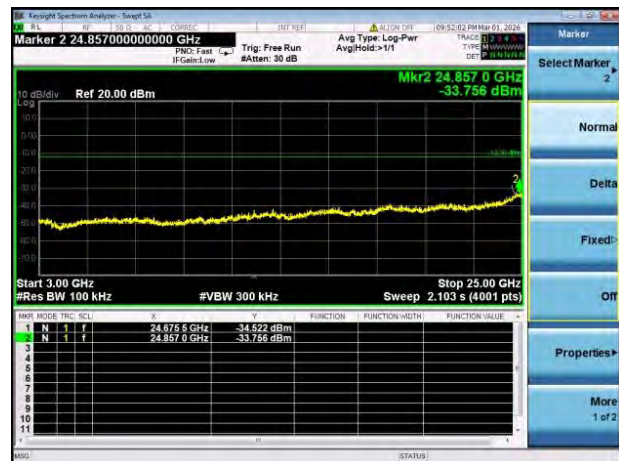
8-DPSK HIGH CHANNEL, BAND EDGE



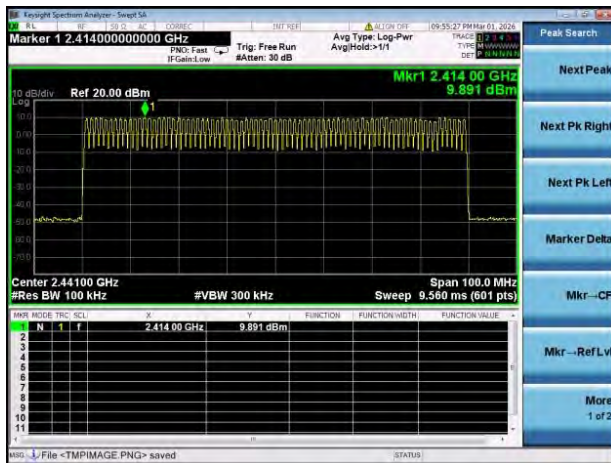
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



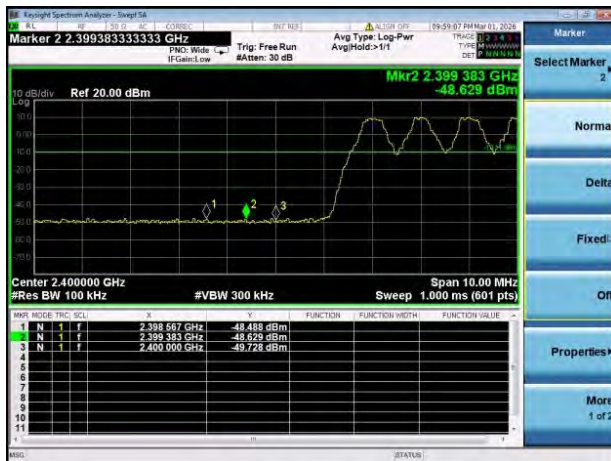
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



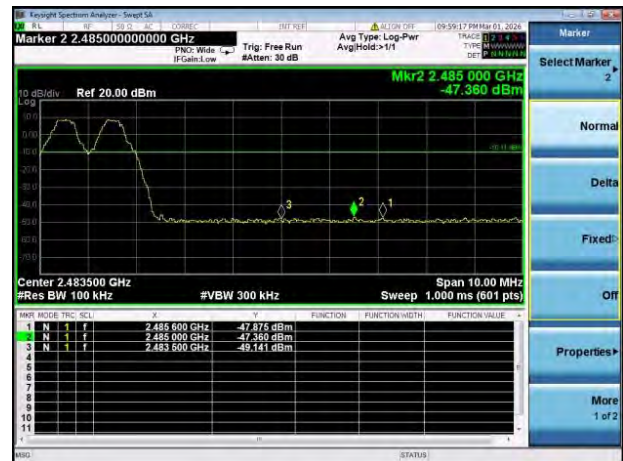
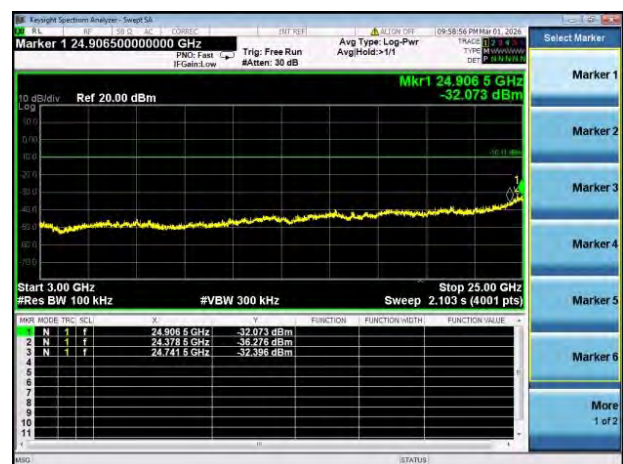
GFSK HOPPING, CARRIER LEVEL



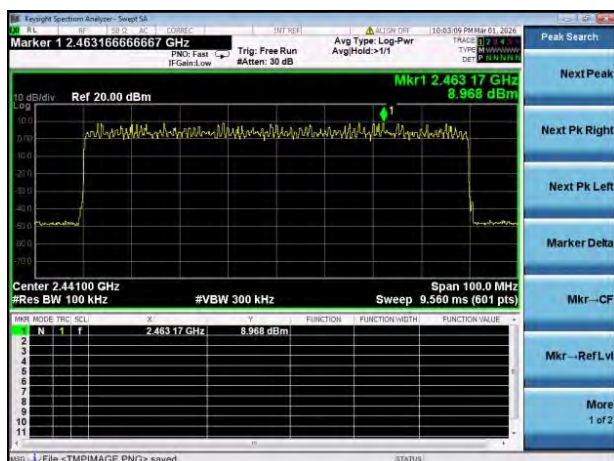
GFSK HOPPING BAND EDGE (LOW)



GFSK HOPPING BAND EDGE (HIGH)

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

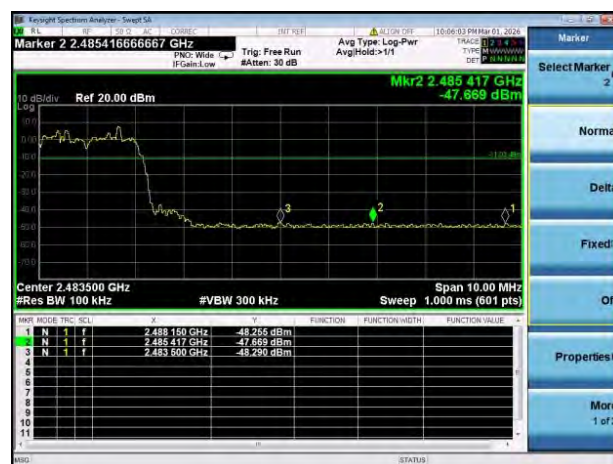
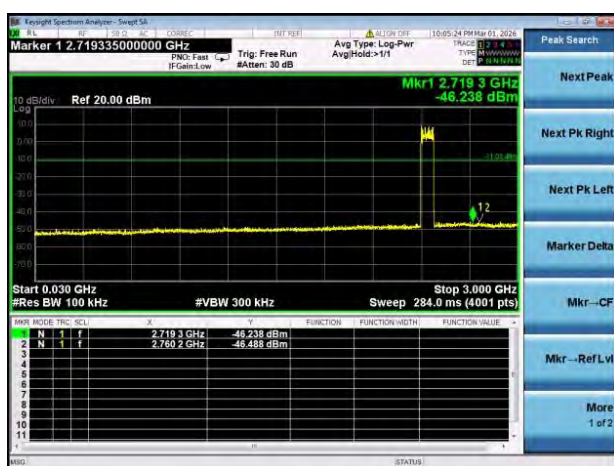
8-DPSK HOPPING, CARRIER LEVEL



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.

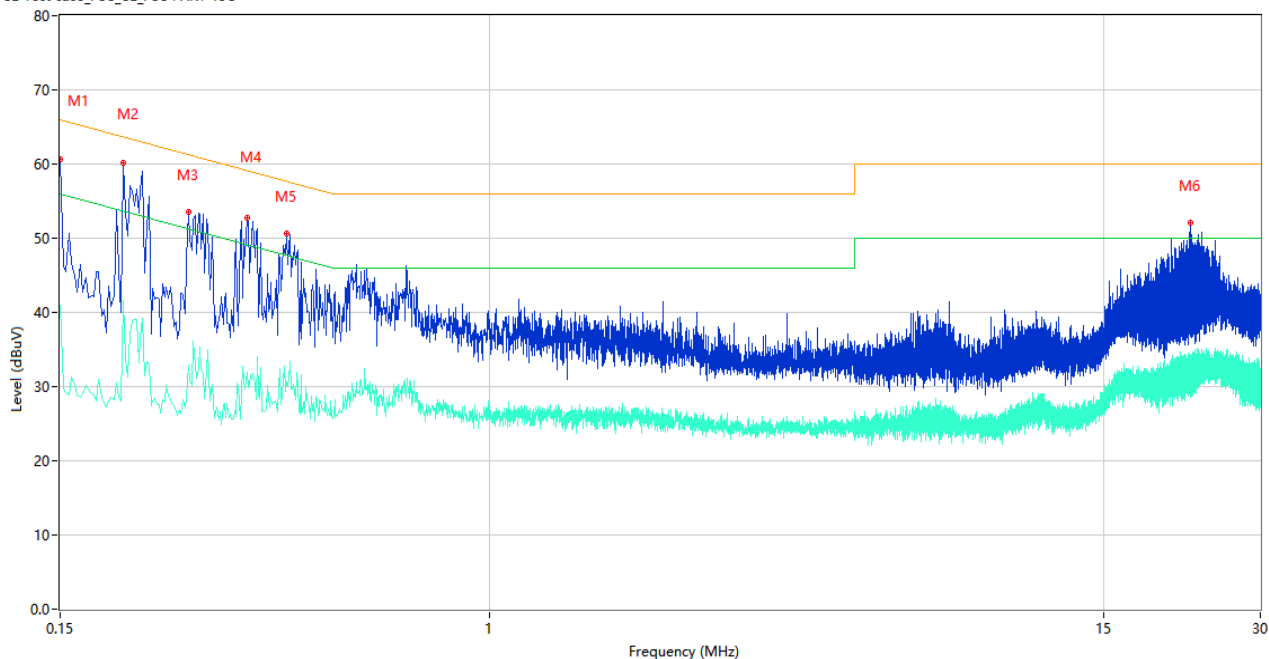
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

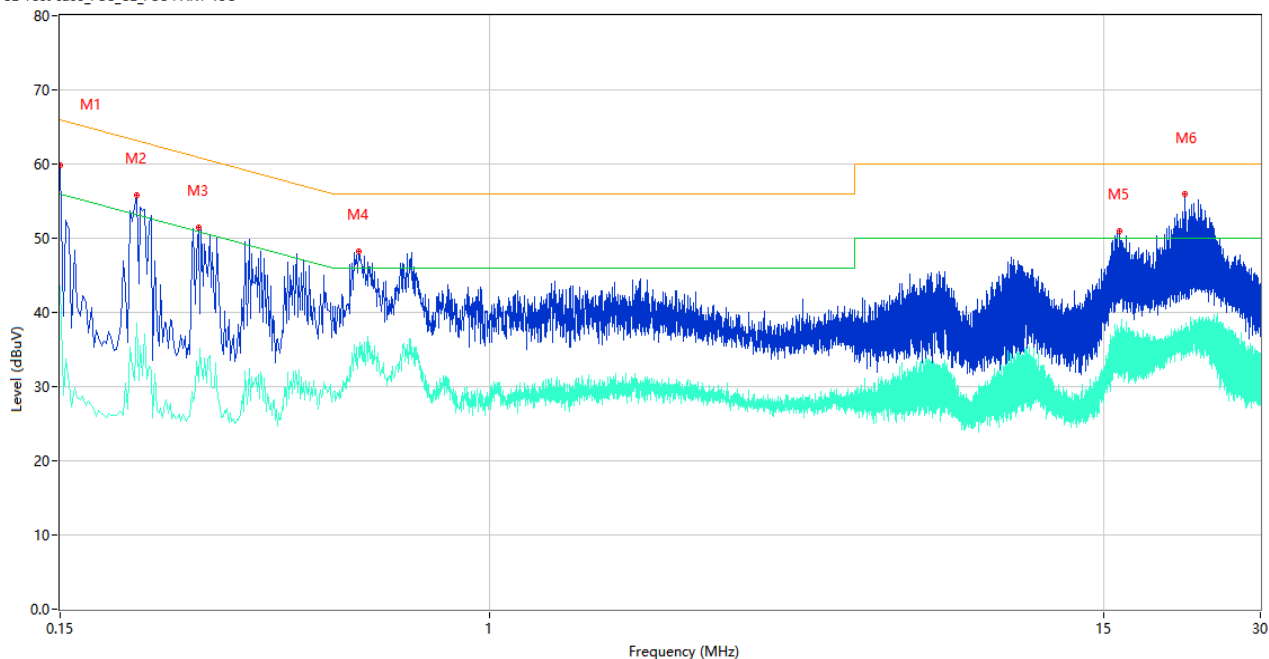
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	60.62	9.86	66.00	5.38	Peak	L	Pass
1**	0.150	40.93	9.86	56.00	15.07	AV	L	Pass
2	0.198	60.08	9.84	63.69	3.61	Peak	L	Pass
2**	0.198	41.67	9.84	53.69	12.02	AV	L	Pass
3	0.264	53.55	9.82	61.30	7.75	Peak	L	Pass
3**	0.264	32.90	9.82	51.30	18.40	AV	L	Pass
4	0.342	52.71	10.66	59.15	6.44	Peak	L	Pass
4**	0.342	31.98	10.66	49.15	17.17	AV	L	Pass
5	0.408	50.63	10.53	57.69	7.06	Peak	L	Pass
5**	0.408	30.57	10.53	47.69	17.12	AV	L	Pass
6	22.006	52.04	11.16	60.00	7.96	Peak	L	Pass
6**	22.006	31.98	11.16	50.00	18.02	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	0.150	59.88	9.86	66.00	6.12	Peak	N	Pass
1**	0.150	43.47	9.86	56.00	12.53	AV	N	Pass
2	0.210	55.81	9.83	63.21	7.40	Peak	N	Pass
2**	0.210	38.48	9.83	53.21	14.73	AV	N	Pass
3	0.276	51.41	9.82	60.94	9.53	Peak	N	Pass
3**	0.276	30.65	9.82	50.94	20.29	AV	N	Pass
4	0.560	48.25	10.12	56.00	7.75	Peak	N	Pass
4**	0.560	35.33	10.12	46.00	10.67	AV	N	Pass
5	16.092	51.03	10.92	60.00	8.97	Peak	N	Pass
5**	16.092	36.68	10.92	50.00	13.32	AV	N	Pass
6	21.490	55.92	10.94	60.00	4.08	Peak	N	Pass
6**	21.490	37.93	10.94	50.00	12.07	AV	N	Pass

A.8 Radiated Spurious Emission

Note¹: The symbol of "--" in the table which means not application.

Note²: 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.

Note³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

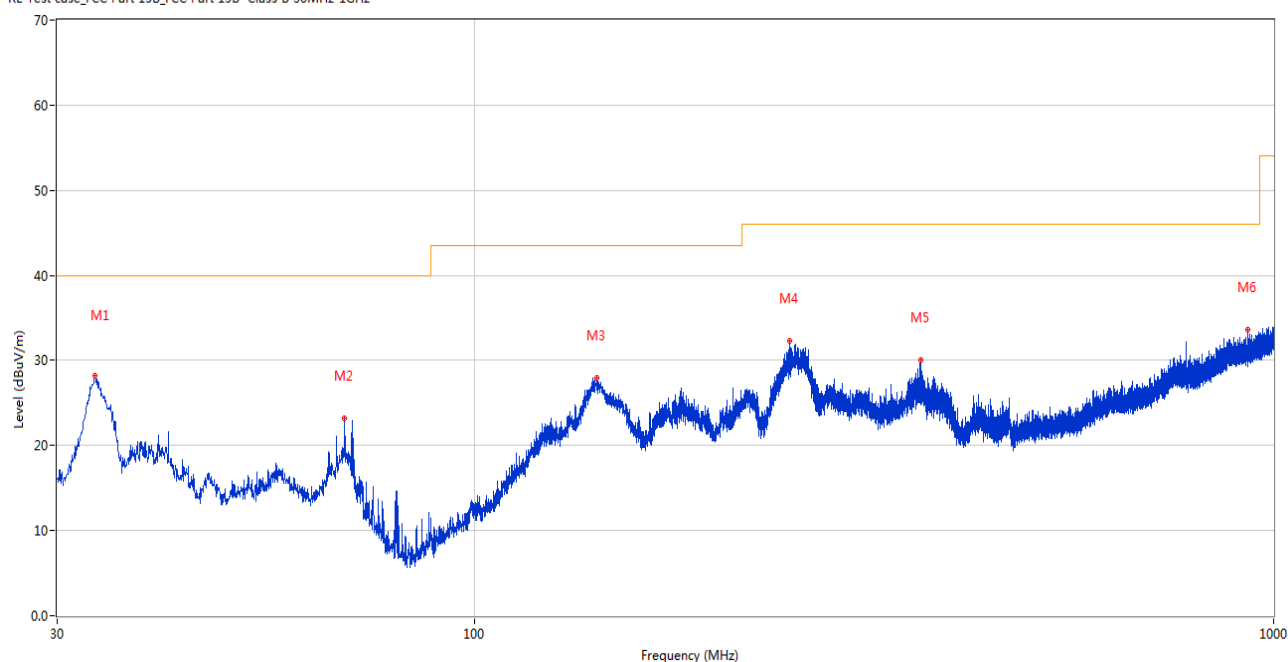
Note⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

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

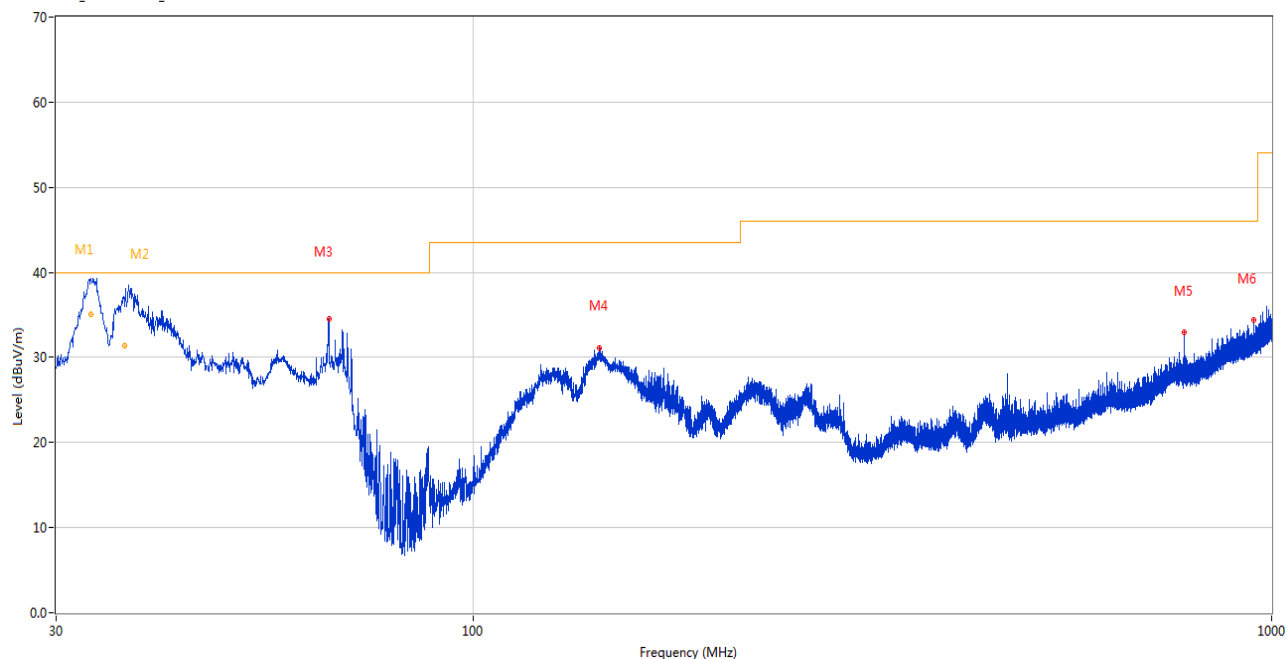
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.492	28.25	-28.55	40.0	11.75	Peak	288.50	200	Horizontal	Pass
2	68.752	23.20	-28.06	40.0	16.80	Peak	81.00	200	Horizontal	Pass
3	141.986	27.94	-28.67	43.5	15.56	Peak	148.10	200	Horizontal	Pass
4	248.105	32.30	-22.88	46.0	13.70	Peak	281.40	100	Horizontal	Pass
5	361.207	30.08	-20.17	46.0	15.92	Peak	149.40	100	Horizontal	Pass
6	929.384	33.64	-5.76	46.0	12.36	Peak	135.80	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.170	39.69	-28.71	40.0	0.31	Peak	215.10	105	Vertical	N/A
1*	33.170	35.11	-28.71	40.0	4.89	QP	215.10	105	Vertical	Pass
2	36.542	35.59	-26.80	40.0	4.41	Peak	195.80	115	Vertical	N/A
2*	36.542	31.44	-26.80	40.0	8.56	QP	195.80	115	Vertical	Pass
3	65.890	34.55	-26.73	40.0	5.45	Peak	211.90	100	Vertical	Pass
4	143.684	31.15	-28.66	43.5	12.35	Peak	91.40	100	Vertical	Pass
5	777.870	32.90	-8.95	46.0	13.10	Peak	242.20	100	Vertical	Pass
6	949.172	34.42	-5.24	46.0	11.58	Peak	101.00	200	Vertical	Pass

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

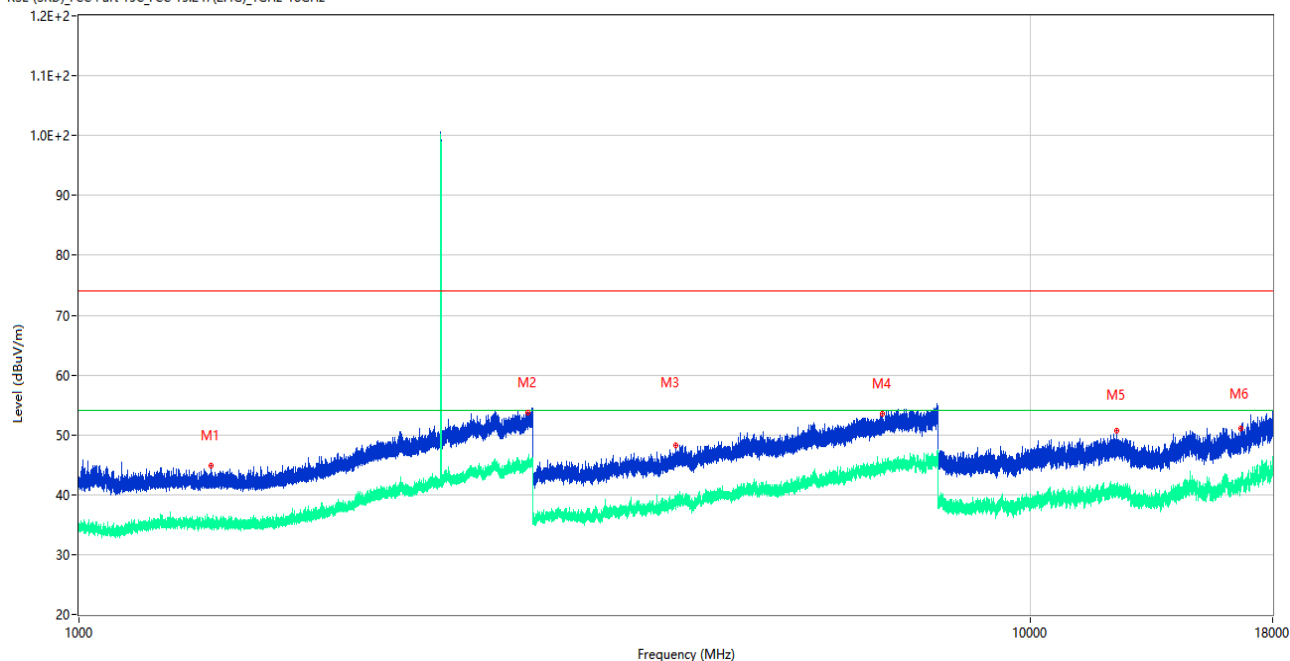
Note ²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.851	50.80	74.0	23.20	Peak	299.00	100	Horizontal	Pass
1**	1158.851	36.72	54.0	17.29	AV	299.00	100	Horizontal	Pass
2	1328.425	46.72	74.0	27.28	Peak	297.00	100	Horizontal	Pass
2**	1328.425	38.58	54.0	15.42	AV	297.00	100	Horizontal	Pass
3	4921.114	49.68	74.0	24.32	Peak	38.00	200	Horizontal	Pass
3**	4921.114	39.81	54.0	14.19	AV	38.00	200	Horizontal	Pass
4	7933.857	53.90	74.0	20.10	Peak	13.00	400	Horizontal	Pass
4**	7933.857	45.02	54.0	8.98	AV	13.00	400	Horizontal	Pass
5	12495.183	53.62	74.0	20.39	Peak	58.00	100	Horizontal	Pass
5**	12495.183	44.81	54.0	9.19	AV	58.00	100	Horizontal	Pass
6	17097.589	55.87	74.0	18.13	Peak	50.00	100	Horizontal	Pass
6**	17097.589	46.15	54.0	7.85	AV	50.00	100	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	1374.007	45.18	74.0	28.82	Peak	83.00	300	Vertical	Pass
1**	1374.007	35.40	54.0	18.60	AV	83.00	300	Vertical	Pass
2	2967.368	51.18	74.0	22.82	Peak	201.00	200	Vertical	Pass
2**	2967.368	45.04	54.0	8.96	AV	201.00	200	Vertical	Pass
3	4245.779	49.27	74.0	24.73	Peak	101.00	200	Vertical	Pass
3**	4245.779	35.91	54.0	18.09	AV	101.00	200	Vertical	Pass
4	6995.104	50.80	74.0	23.20	Peak	126.00	400	Vertical	Pass
4**	6995.104	43.04	54.0	10.96	AV	126.00	400	Vertical	Pass
5	12348.041	48.35	74.0	25.65	Peak	232.00	400	Vertical	Pass
5**	12348.041	39.11	54.0	14.89	AV	232.00	400	Vertical	Pass
6	16678.955	51.15	74.0	22.85	Peak	90.00	200	Vertical	Pass
6**	16678.955	42.71	54.0	11.29	AV	90.00	200	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.609	50.52	74.0	23.48	Peak	17.00	400	Horizontal	Pass
1**	1157.609	35.89	54.0	18.12	AV	17.00	400	Horizontal	Pass
2	1328.250	46.07	74.0	27.93	Peak	167.00	200	Horizontal	Pass
2**	1328.250	37.75	54.0	16.25	AV	167.00	200	Horizontal	Pass
3	4924.800	48.82	74.0	25.18	Peak	247.00	200	Horizontal	Pass
3**	4924.800	39.16	54.0	14.84	AV	247.00	200	Horizontal	Pass
4	7932.623	53.10	74.0	20.90	Peak	282.00	200	Horizontal	Pass
4**	7932.623	44.94	54.0	9.06	AV	282.00	200	Horizontal	Pass
5	12496.053	53.39	74.0	20.62	Peak	95.00	100	Horizontal	Pass
5**	12496.053	44.59	54.0	9.41	AV	95.00	100	Horizontal	Pass
6	17097.200	55.65	74.0	18.35	Peak	109.00	200	Horizontal	Pass
6**	17097.200	44.41	54.0	9.59	AV	109.00	200	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1372.852	44.55	74.0	29.45	Peak	287.00	200	Vertical	Pass
1**	1372.852	34.48	54.0	19.52	AV	287.00	200	Vertical	Pass
2	2964.188	50.44	74.0	23.56	Peak	29.00	300	Vertical	Pass
2**	2964.188	44.16	54.0	9.84	AV	29.00	300	Vertical	Pass
3	4245.069	49.22	74.0	24.78	Peak	64.00	200	Vertical	Pass
3**	4245.069	35.76	54.0	18.24	AV	64.00	200	Vertical	Pass
4	6992.179	50.27	74.0	23.73	Peak	102.00	300	Vertical	Pass
4**	6992.179	42.78	54.0	11.22	AV	102.00	300	Vertical	Pass
5	12349.739	48.12	74.0	25.88	Peak	130.00	200	Vertical	Pass
5**	12349.739	38.66	54.0	15.34	AV	130.00	200	Vertical	Pass
6	16672.447	50.81	74.0	23.19	Peak	146.00	300	Vertical	Pass
6**	16672.447	42.42	54.0	11.58	AV	146.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.595	50.56	74.0	23.44	Peak	64.00	200	Horizontal	Pass
1**	1159.595	35.78	54.0	18.23	AV	64.00	200	Horizontal	Pass
2	1328.432	46.11	74.0	27.89	Peak	97.00	300	Horizontal	Pass
2**	1328.432	37.95	54.0	16.05	AV	97.00	300	Horizontal	Pass
3	4923.367	48.73	74.0	25.27	Peak	133.00	200	Horizontal	Pass
3**	4923.367	39.20	54.0	14.80	AV	133.00	200	Horizontal	Pass
4	7929.032	53.41	74.0	20.59	Peak	61.00	300	Horizontal	Pass
4**	7929.032	44.20	54.0	9.80	AV	61.00	300	Horizontal	Pass
5	12499.116	52.82	74.0	21.19	Peak	152.00	400	Horizontal	Pass
5**	12499.116	44.41	54.0	9.59	AV	152.00	400	Horizontal	Pass
6	17097.685	55.06	74.0	18.94	Peak	139.00	400	Horizontal	Pass
6**	17097.685	44.19	54.0	9.81	AV	139.00	400	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1379.224	44.62	74.0	29.38	Peak	45.00	300	Vertical	Pass
1**	1379.224	34.78	54.0	19.22	AV	45.00	300	Vertical	Pass
2	2968.311	50.25	74.0	23.75	Peak	200.00	200	Vertical	Pass
2**	2968.311	44.10	54.0	9.90	AV	200.00	200	Vertical	Pass
3	4250.148	48.57	74.0	25.43	Peak	172.00	200	Vertical	Pass
3**	4250.148	35.08	54.0	18.92	AV	172.00	200	Vertical	Pass
4	6994.921	50.45	74.0	23.55	Peak	71.00	400	Vertical	Pass
4**	6994.921	42.28	54.0	11.72	AV	71.00	400	Vertical	Pass
5	12352.407	48.01	74.0	25.99	Peak	319.00	300	Vertical	Pass
5**	12352.407	38.43	54.0	15.57	AV	319.00	300	Vertical	Pass
6	16671.773	50.76	74.0	23.24	Peak	206.00	100	Vertical	Pass
6**	16671.773	42.45	54.0	11.55	AV	206.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1287.133	50.62	74.0	23.38	Peak	345.00	200	Horizontal	Pass
1**	1287.133	36.57	54.0	17.44	AV	345.00	200	Horizontal	Pass
2	2772.587	46.21	74.0	27.79	Peak	340.00	400	Horizontal	Pass
2**	2772.587	38.39	54.0	15.61	AV	340.00	400	Horizontal	Pass
3	5167.351	48.90	74.0	25.10	Peak	82.00	200	Horizontal	Pass
3**	5167.351	39.77	54.0	14.23	AV	82.00	200	Horizontal	Pass
4	6809.504	52.98	74.0	21.02	Peak	22.00	200	Horizontal	Pass
4**	6809.504	44.99	54.0	9.01	AV	22.00	200	Horizontal	Pass
5	13466.932	52.94	74.0	21.07	Peak	132.00	400	Horizontal	Pass
5**	13466.932	44.38	54.0	9.62	AV	132.00	400	Horizontal	Pass
6	17465.406	55.46	74.0	18.54	Peak	303.00	300	Horizontal	Pass
6**	17465.406	44.55	54.0	9.45	AV	303.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.889	44.26	74.0	29.74	Peak	202.00	200	Vertical	Pass
1**	1286.889	35.38	54.0	18.62	AV	202.00	200	Vertical	Pass
2	2773.274	51.11	74.0	22.89	Peak	194.00	300	Vertical	Pass
2**	2773.274	44.53	54.0	9.47	AV	194.00	300	Vertical	Pass
3	5166.356	49.23	74.0	24.77	Peak	340.00	200	Vertical	Pass
3**	5166.356	35.25	54.0	18.75	AV	340.00	200	Vertical	Pass
4	6805.845	50.00	74.0	24.00	Peak	39.00	200	Vertical	Pass
4**	6805.845	42.84	54.0	11.16	AV	39.00	200	Vertical	Pass
5	13468.360	47.69	74.0	26.31	Peak	243.00	300	Vertical	Pass
5**	13468.360	38.19	54.0	15.81	AV	243.00	300	Vertical	Pass
6	17460.485	50.31	74.0	23.69	Peak	292.00	300	Vertical	Pass
6**	17460.485	41.78	54.0	12.22	AV	292.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1288.491	49.90	74.0	24.10	Peak	122.00	100	Horizontal	Pass
1**	1288.491	35.29	54.0	18.72	AV	122.00	100	Horizontal	Pass
2	2774.110	45.88	74.0	28.12	Peak	242.00	400	Horizontal	Pass
2**	2774.110	36.77	54.0	17.23	AV	242.00	400	Horizontal	Pass
3	5163.441	48.74	74.0	25.26	Peak	162.00	200	Horizontal	Pass
3**	5163.441	38.72	54.0	15.28	AV	162.00	200	Horizontal	Pass
4	6804.948	53.03	74.0	20.97	Peak	51.00	300	Horizontal	Pass
4**	6804.948	44.65	54.0	9.35	AV	51.00	300	Horizontal	Pass
5	13467.419	52.63	74.0	21.38	Peak	218.00	400	Horizontal	Pass
5**	13467.419	44.40	54.0	9.60	AV	218.00	400	Horizontal	Pass
6	17463.635	55.56	74.0	18.44	Peak	203.00	100	Horizontal	Pass
6**	17463.635	44.66	54.0	9.34	AV	203.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.610	43.55	74.0	30.45	Peak	36.00	100	Vertical	Pass
1**	1285.610	34.31	54.0	19.69	AV	36.00	100	Vertical	Pass
2	2768.822	49.48	74.0	24.52	Peak	203.00	400	Vertical	Pass
2**	2768.822	43.53	54.0	10.47	AV	203.00	400	Vertical	Pass
3	5163.365	49.13	74.0	24.87	Peak	100.00	200	Vertical	Pass
3**	5163.365	35.48	54.0	18.52	AV	100.00	200	Vertical	Pass
4	6801.961	49.94	74.0	24.06	Peak	102.00	100	Vertical	Pass
4**	6801.961	42.75	54.0	11.25	AV	102.00	100	Vertical	Pass
5	13464.574	47.14	74.0	26.86	Peak	93.00	300	Vertical	Pass
5**	13464.574	38.59	54.0	15.41	AV	93.00	300	Vertical	Pass
6	17460.225	50.79	74.0	23.21	Peak	359.00	200	Vertical	Pass
6**	17460.225	42.28	54.0	11.72	AV	359.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1282.615	50.28	74.0	23.72	Peak	161.00	300	Horizontal	Pass
1**	1282.615	35.70	54.0	18.31	AV	161.00	300	Horizontal	Pass
2	2769.529	45.87	74.0	28.13	Peak	176.00	400	Horizontal	Pass
2**	2769.529	37.00	54.0	17.00	AV	176.00	400	Horizontal	Pass
3	5163.917	48.70	74.0	25.30	Peak	196.00	200	Horizontal	Pass
3**	5163.917	38.80	54.0	15.20	AV	196.00	200	Horizontal	Pass
4	6804.576	53.34	74.0	20.66	Peak	155.00	100	Horizontal	Pass
4**	6804.576	43.70	54.0	10.30	AV	155.00	100	Horizontal	Pass
5	13469.078	52.16	74.0	21.85	Peak	98.00	400	Horizontal	Pass
5**	13469.078	43.99	54.0	10.01	AV	98.00	400	Horizontal	Pass
6	17463.863	54.17	74.0	19.83	Peak	357.00	400	Horizontal	Pass
6**	17463.863	44.76	54.0	9.24	AV	357.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1280.233	43.91	74.0	30.09	Peak	176.00	300	Vertical	Pass
1**	1280.233	34.19	54.0	19.81	AV	176.00	300	Vertical	Pass
2	2775.118	50.13	74.0	23.87	Peak	225.00	100	Vertical	Pass
2**	2775.118	43.87	54.0	10.13	AV	225.00	100	Vertical	Pass
3	5164.706	47.82	74.0	26.18	Peak	174.00	200	Vertical	Pass
3**	5164.706	34.44	54.0	19.56	AV	174.00	200	Vertical	Pass
4	6806.974	50.02	74.0	23.98	Peak	6.00	100	Vertical	Pass
4**	6806.974	42.21	54.0	11.79	AV	6.00	100	Vertical	Pass
5	13467.584	47.90	74.0	26.10	Peak	108.00	200	Vertical	Pass
5**	13467.584	38.31	54.0	15.69	AV	108.00	200	Vertical	Pass
6	17466.718	50.08	74.0	23.92	Peak	175.00	400	Vertical	Pass
6**	17466.718	41.45	54.0	12.55	AV	175.00	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.

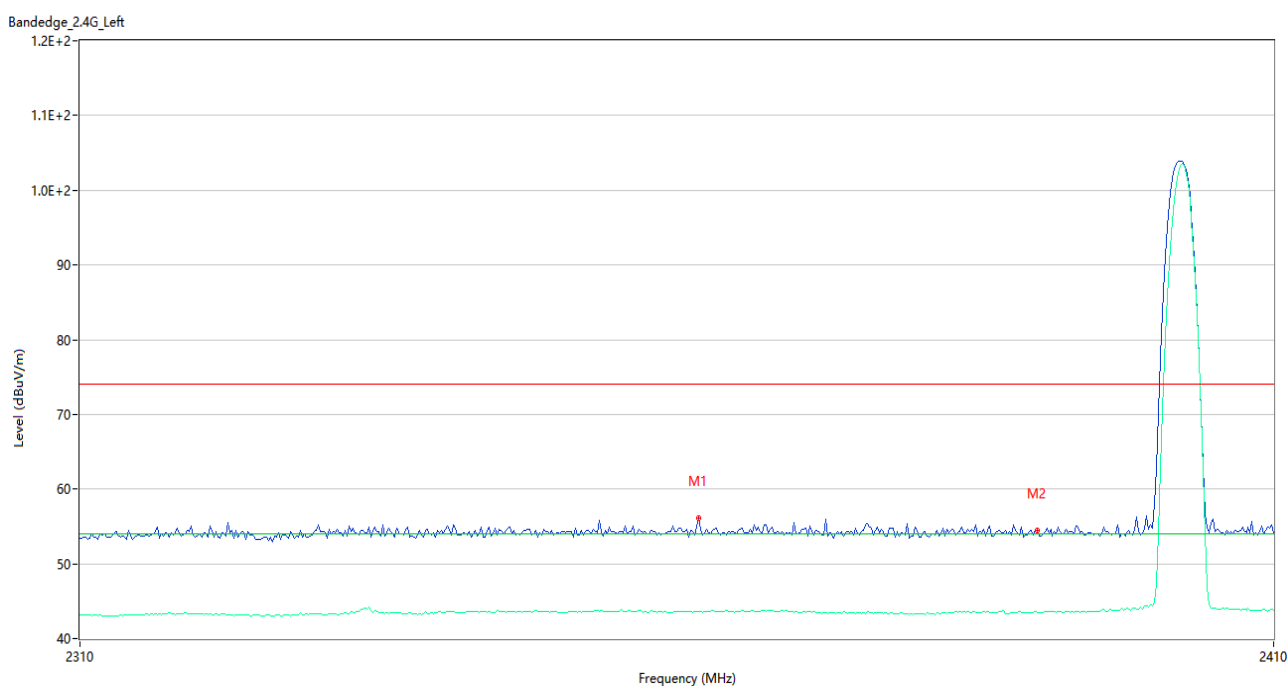
Note³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

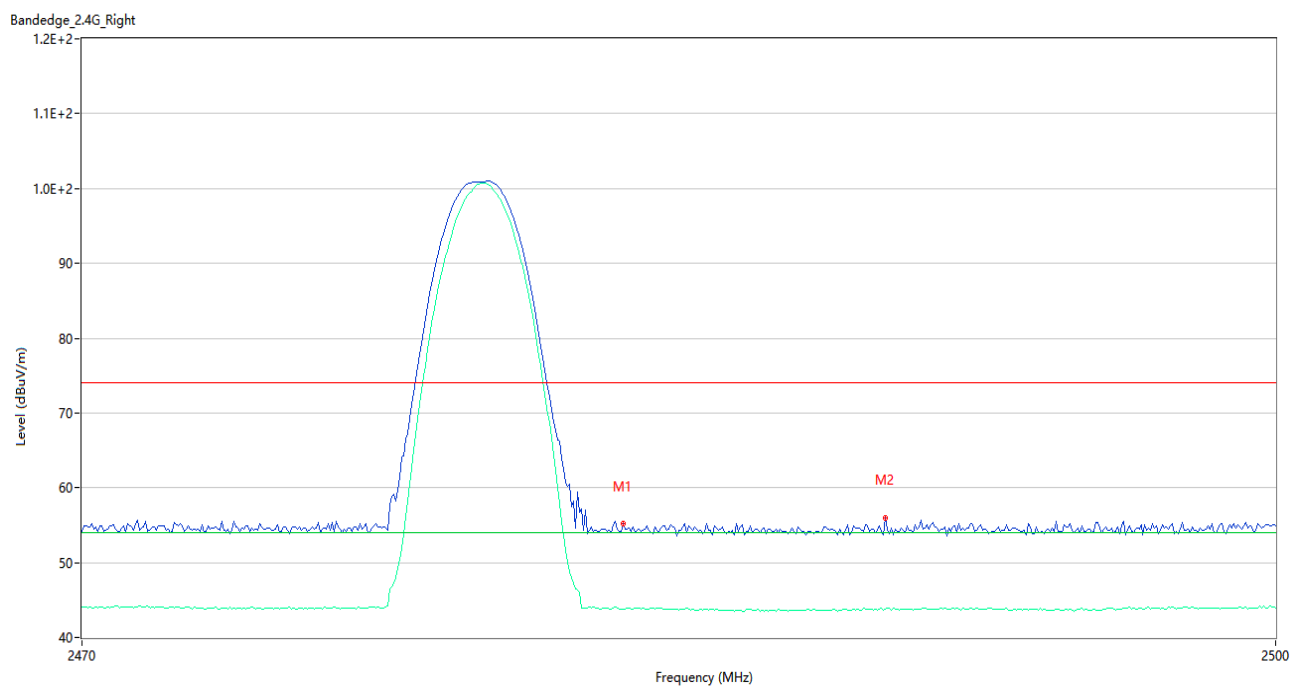
Test Data and Plots

GFSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2360.368	56.25	74.0	17.75	Peak	20.00	100	Vertical	Pass
1**	2360.368	43.66	54.0	10.34	AV	20.00	100	Vertical	Pass
2	2390.000	54.59	74.0	19.41	Peak	18.00	200	Vertical	Pass
2**	2390.000	43.47	54.0	10.53	AV	18.00	200	Vertical	Pass

GFSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.36	74.0	18.64	Peak	253.00	100	Vertical	Pass
1**	2483.500	44.02	54.0	9.98	AV	253.00	100	Vertical	Pass
2	2491.314	56.08	74.0	17.92	Peak	244.00	100	Vertical	Pass
2**	2491.314	43.83	54.0	10.17	AV	244.00	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	2326.343	55.47	74.0	18.53	Peak	38.00	200	Vertical	Pass
1**	2326.343	42.84	54.0	11.16	AV	38.00	200	Vertical	Pass
2	2390.000	54.02	74.0	19.98	Peak	66.00	100	Vertical	Pass
2**	2390.000	43.13	54.0	10.87	AV	66.00	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	2483.500	54.29	74.0	19.71	Peak	198.00	100	Vertical	Pass
1**	2483.500	43.23	54.0	10.78	AV	198.00	100	Vertical	Pass
2	2488.384	55.64	74.0	18.37	Peak	77.00	200	Vertical	Pass
2**	2488.384	42.67	54.0	11.33	AV	77.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26020131-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26020131-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26020131-AI.PDF”.

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--END OF REPORT--