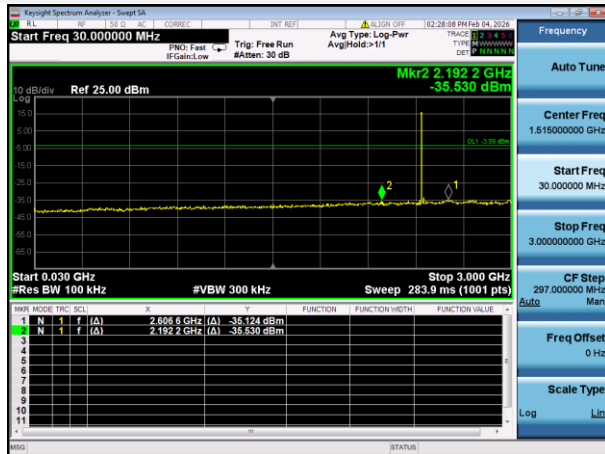
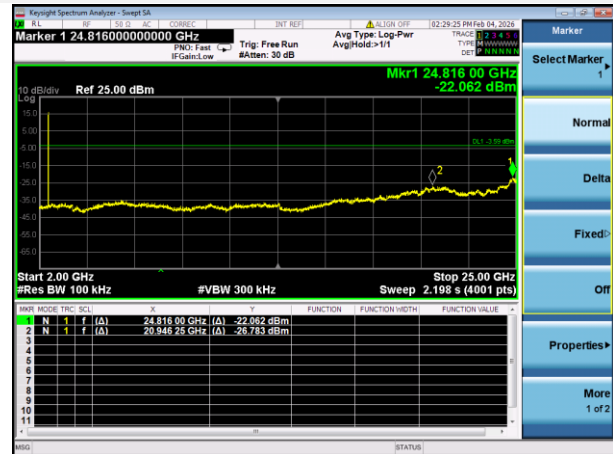


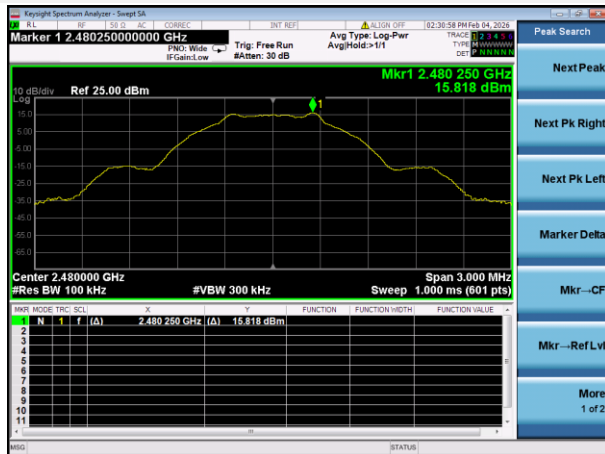
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



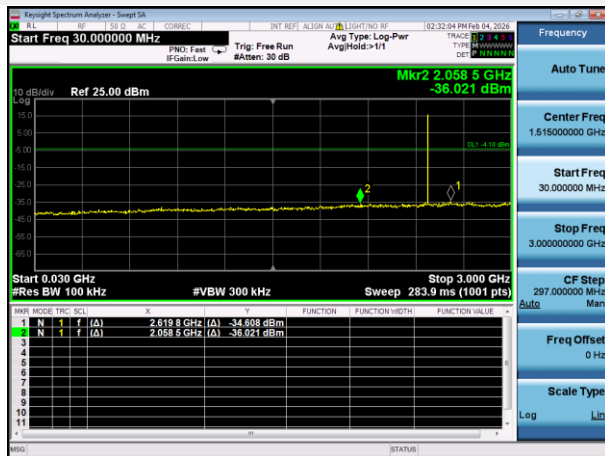
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



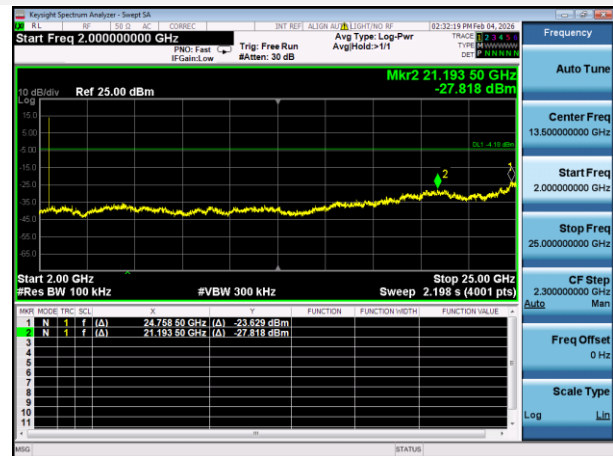
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



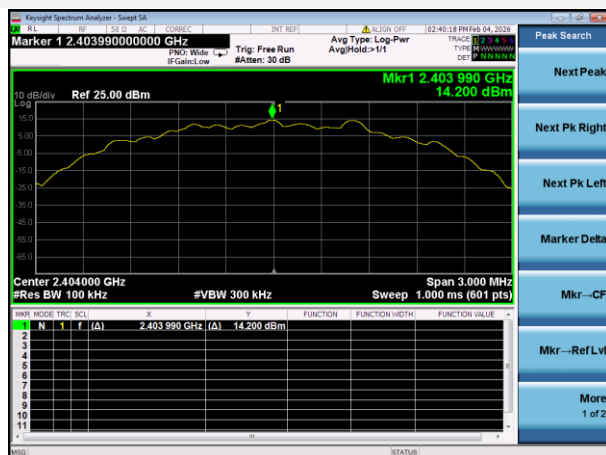
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



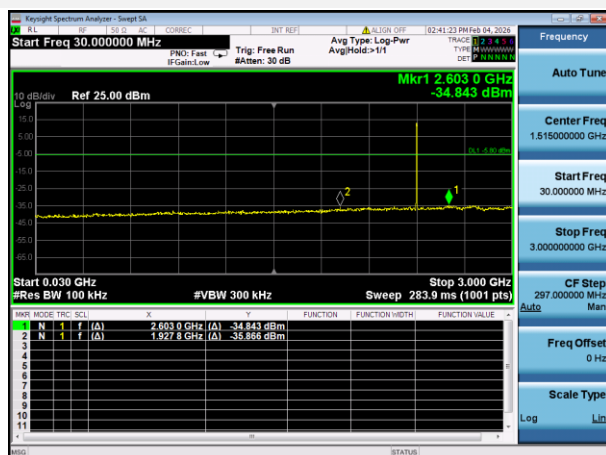
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



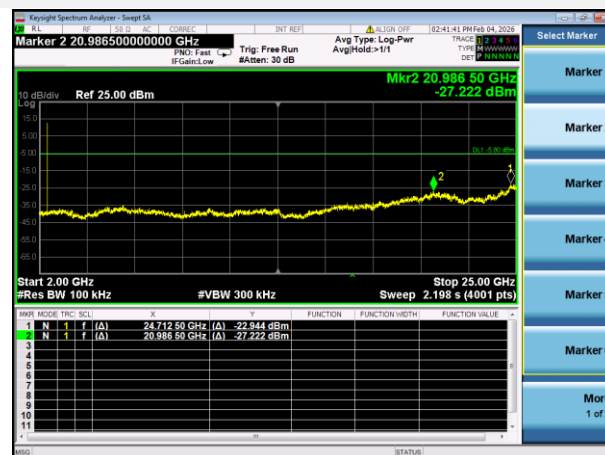
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



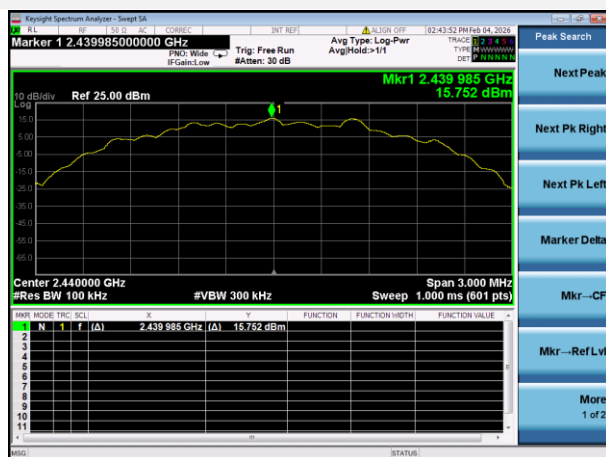
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



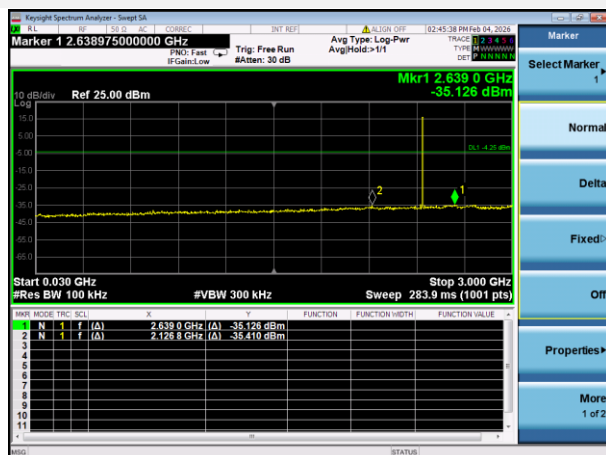
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



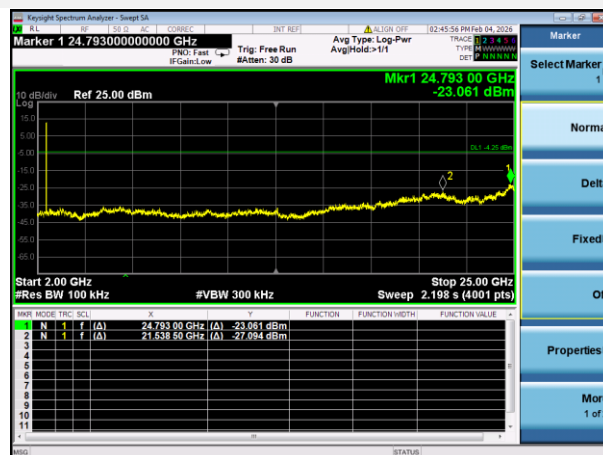
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



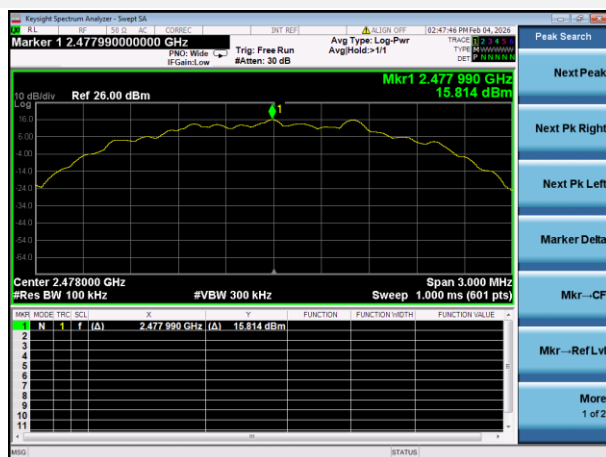
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



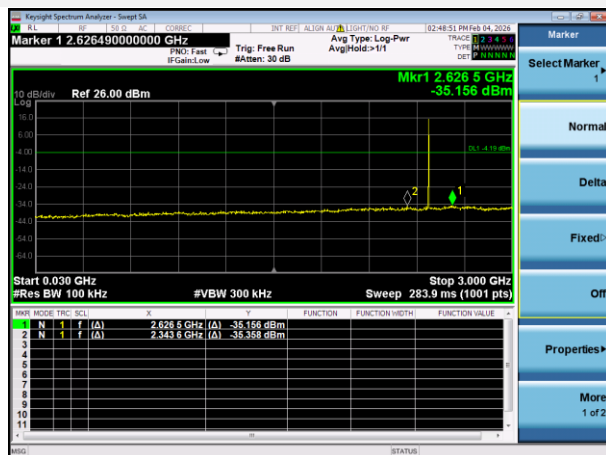
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



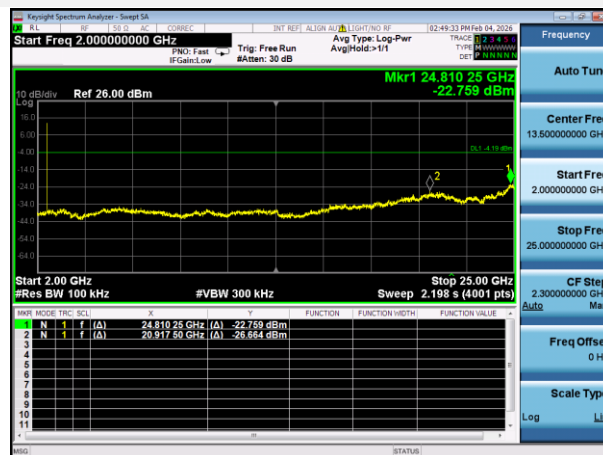
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

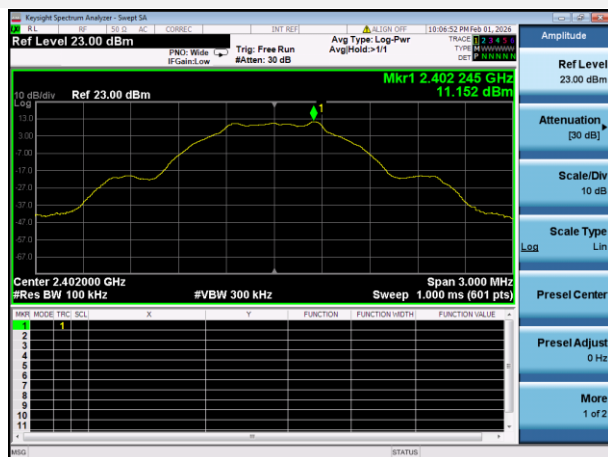


GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

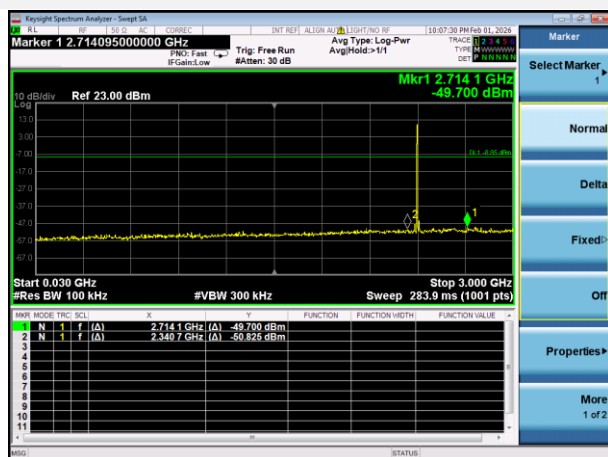


Aux. Antenna

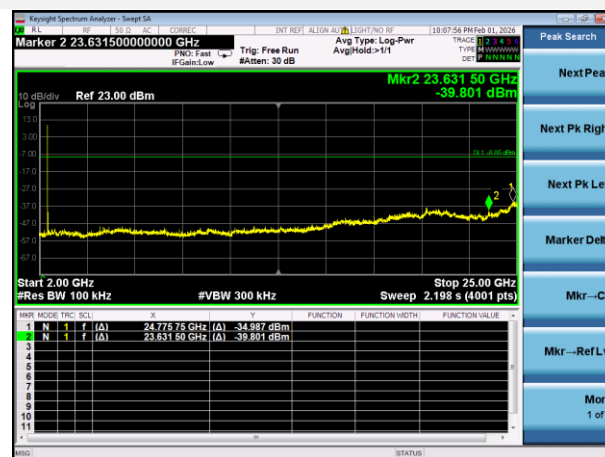
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



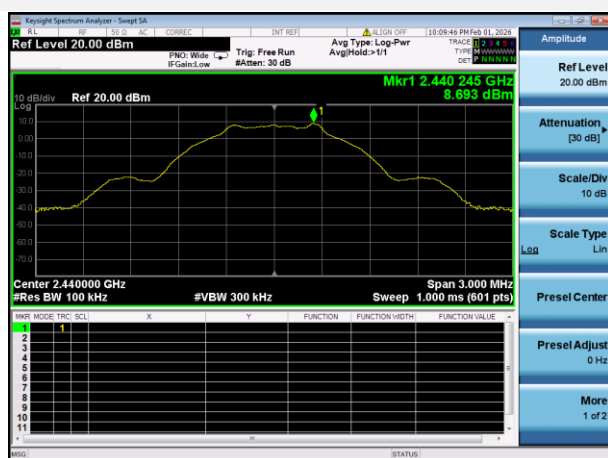
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



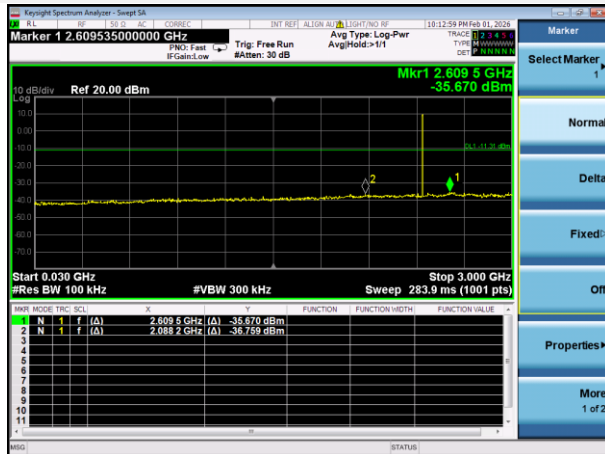
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



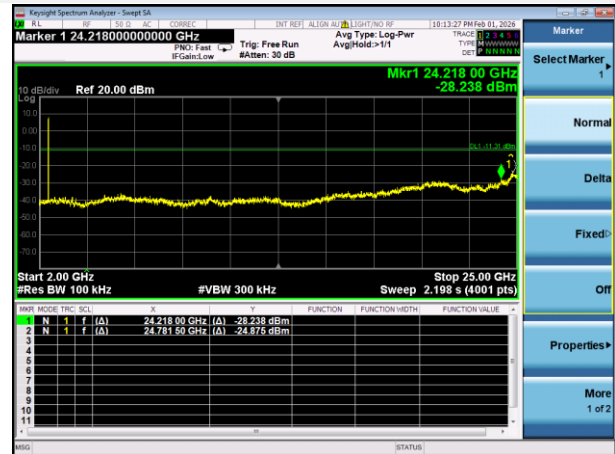
GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL



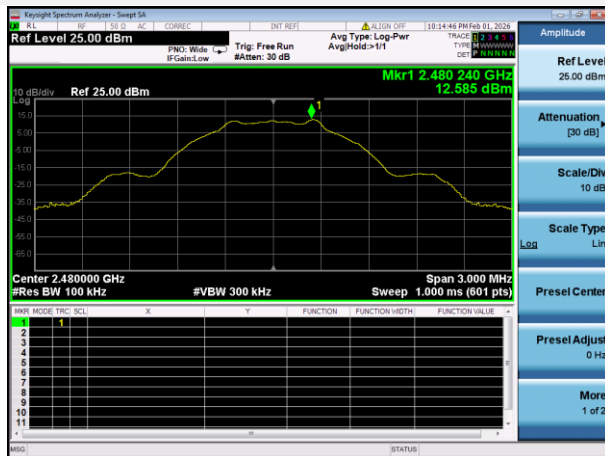
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



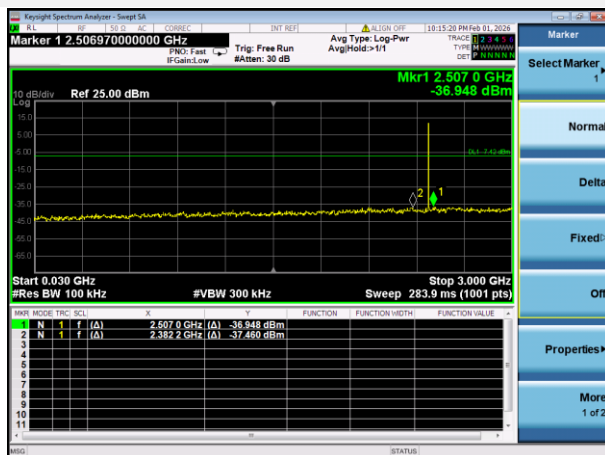
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



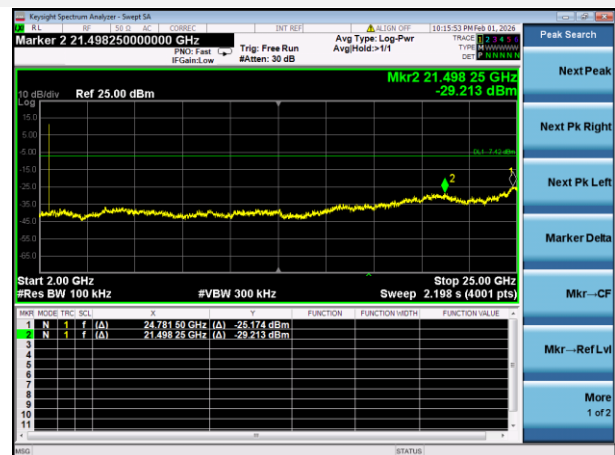
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



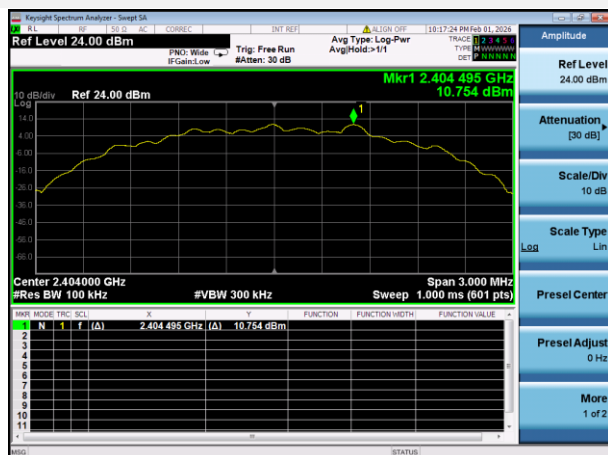
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



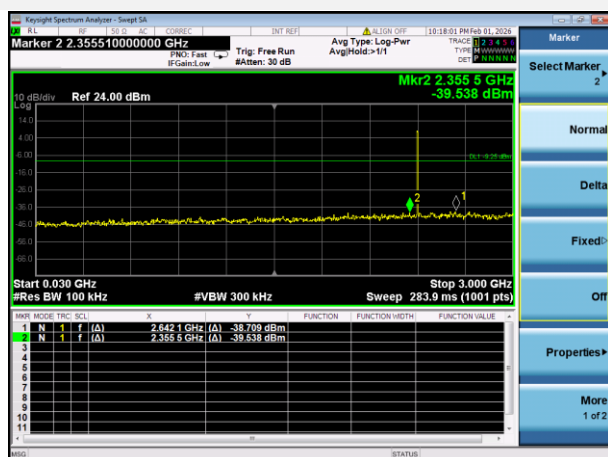
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



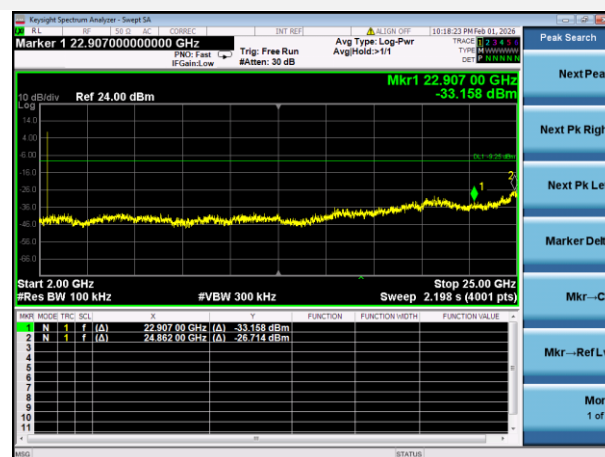
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



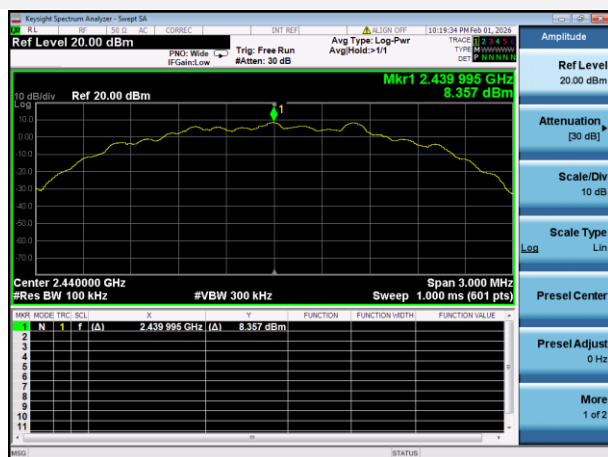
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



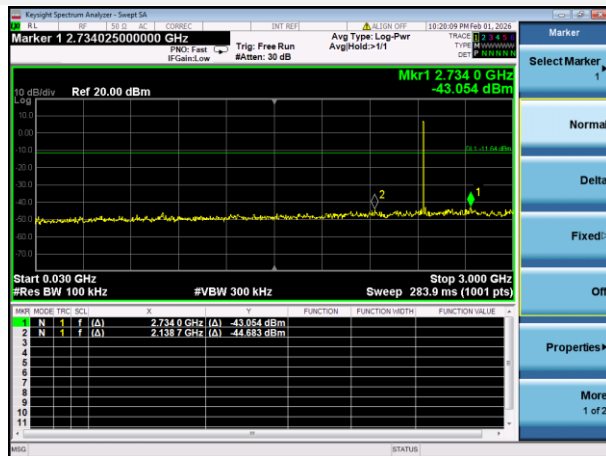
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



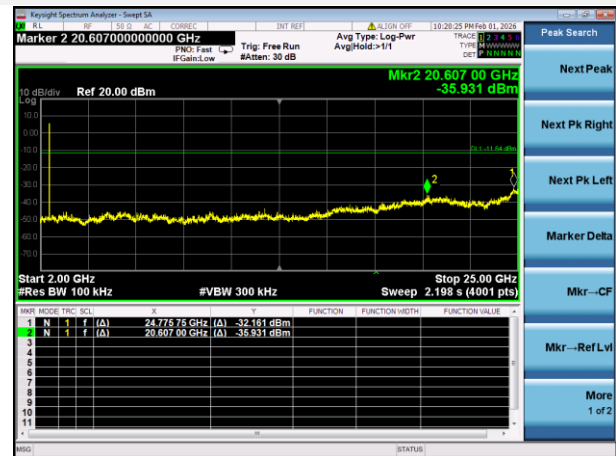
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



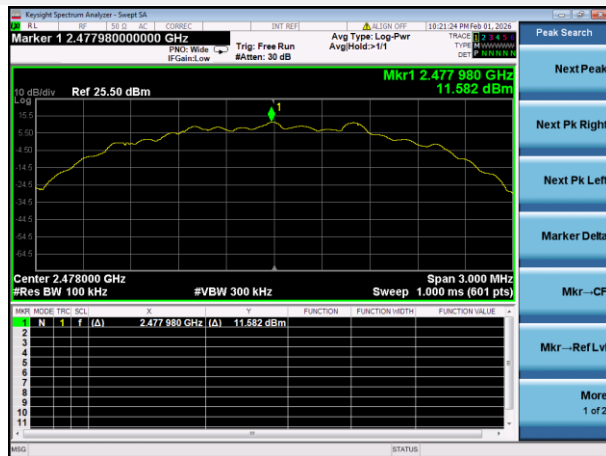
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



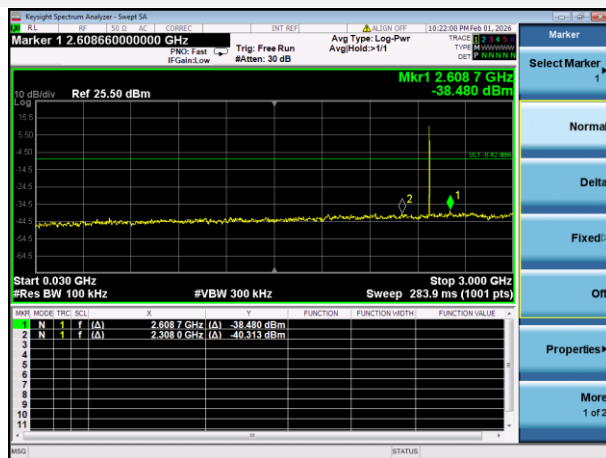
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



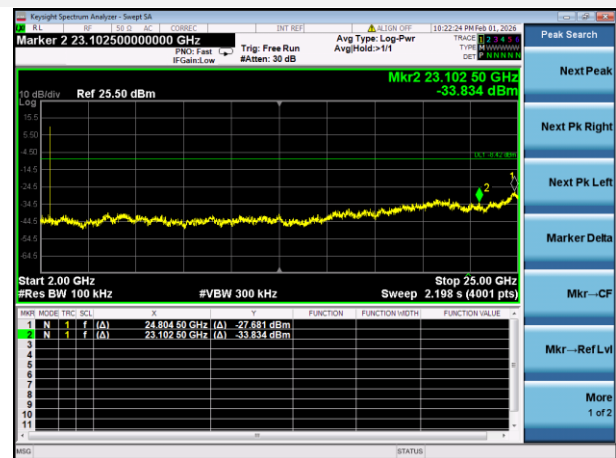
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

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

Test Data

Main Antenna

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.36	14.92	-5.08	Pass
High	-37.27	15.82	-4.18	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.69	14.20	-5.80	Pass
High	-36.83	15.81	-4.19	Pass

Aux. Antenna

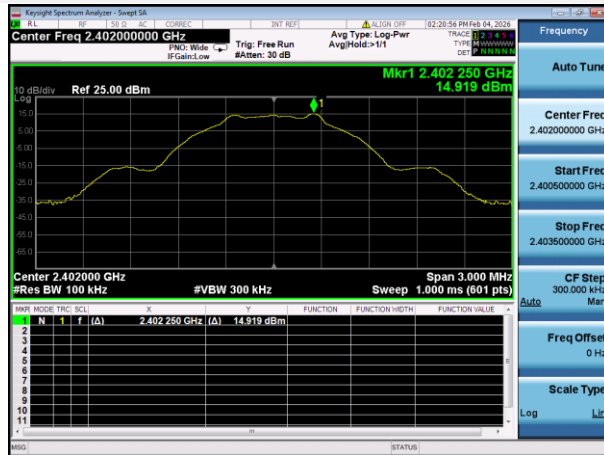
GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-48.62	11.15	-8.85	Pass
High	-38.90	12.59	-7.42	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-40.77	10.75	-9.25	Pass
High	-41.93	11.58	-8.42	Pass

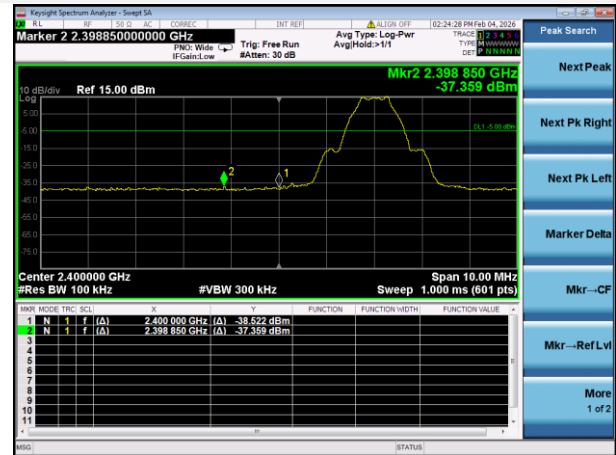
Test Plots

Main Antenna

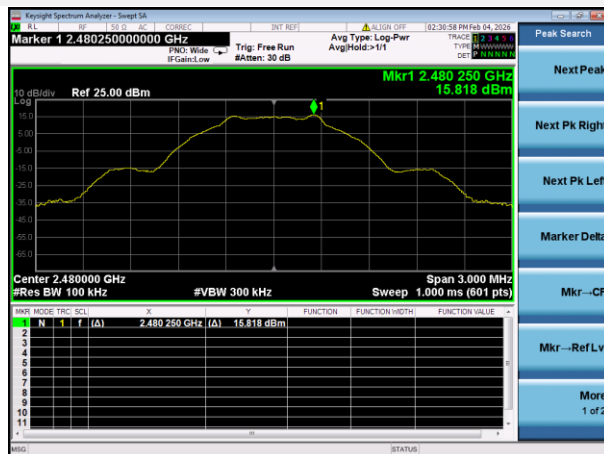
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



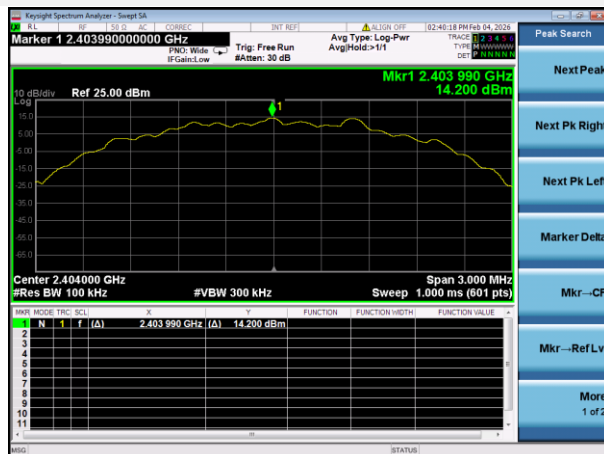
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE

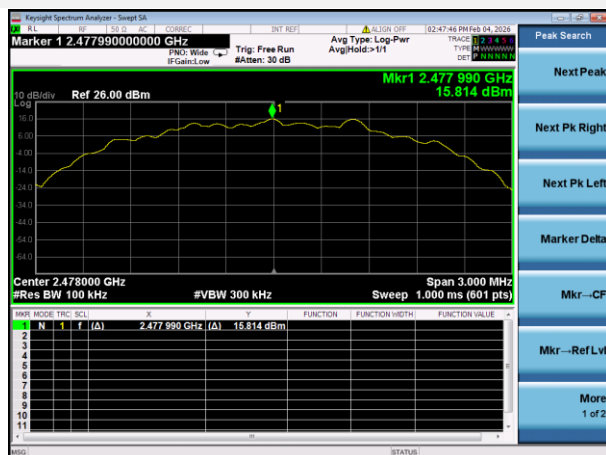
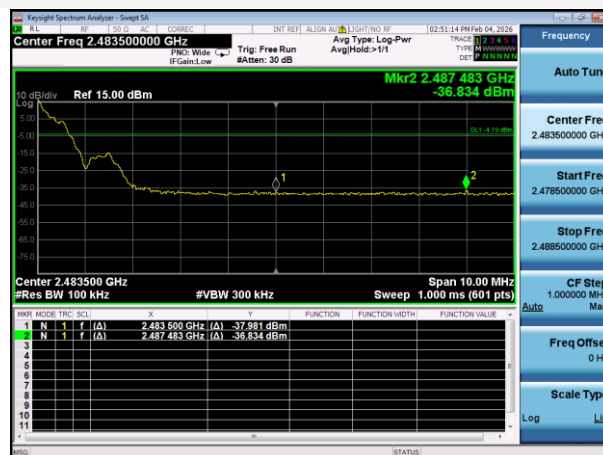


GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



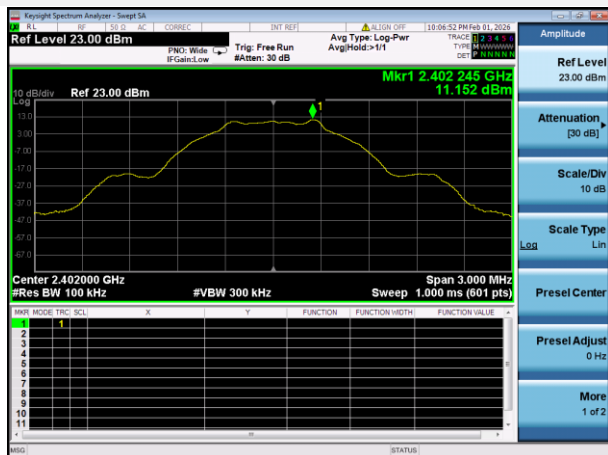
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



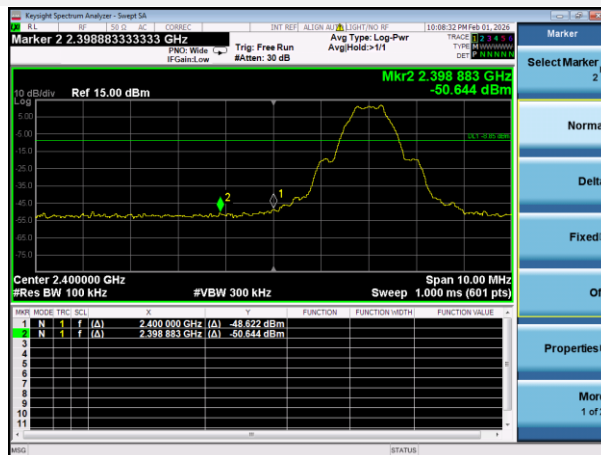
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER
LEVELGFSK (BLE 2Mbps) HIGH CHANNEL, BAND
EDGE

Aux. Antenna

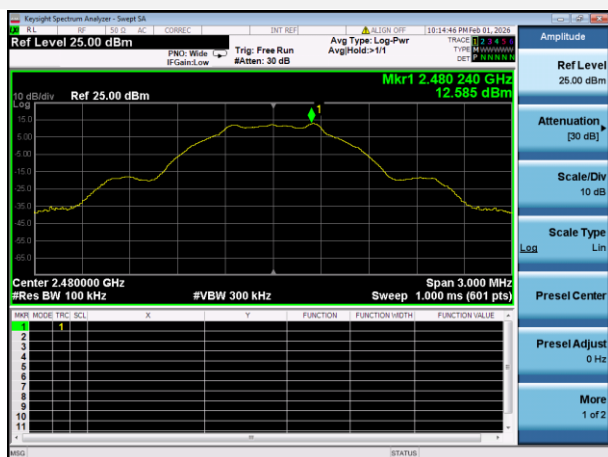
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



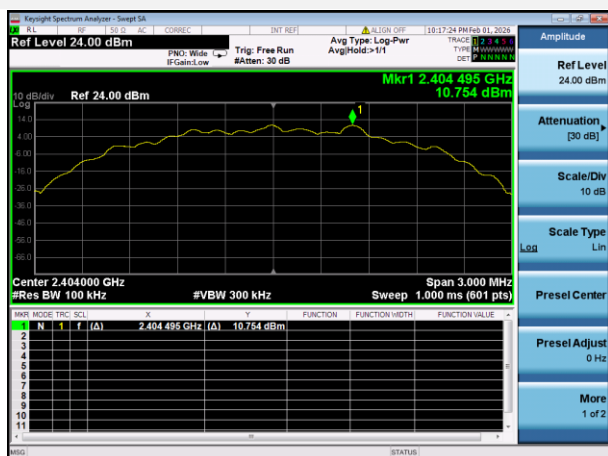
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



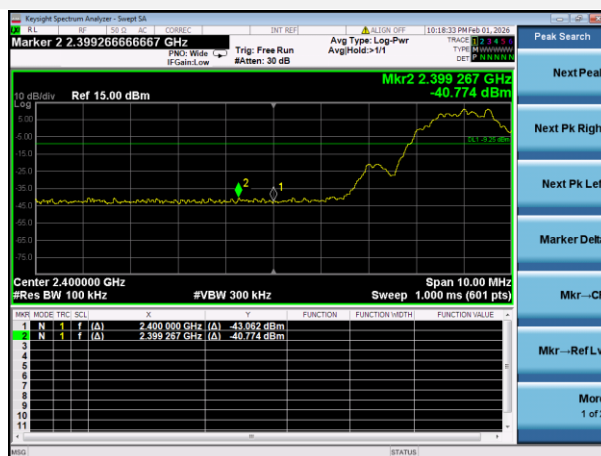
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE

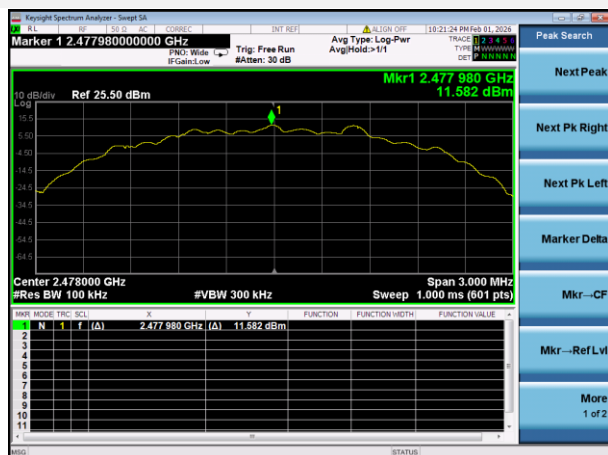
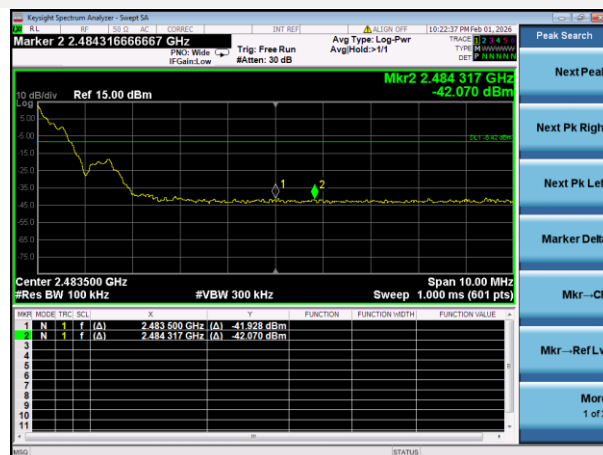


GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER
LEVELGFSK (BLE 2Mbps) HIGH CHANNEL, BAND
EDGE

A.5 Conducted Emission

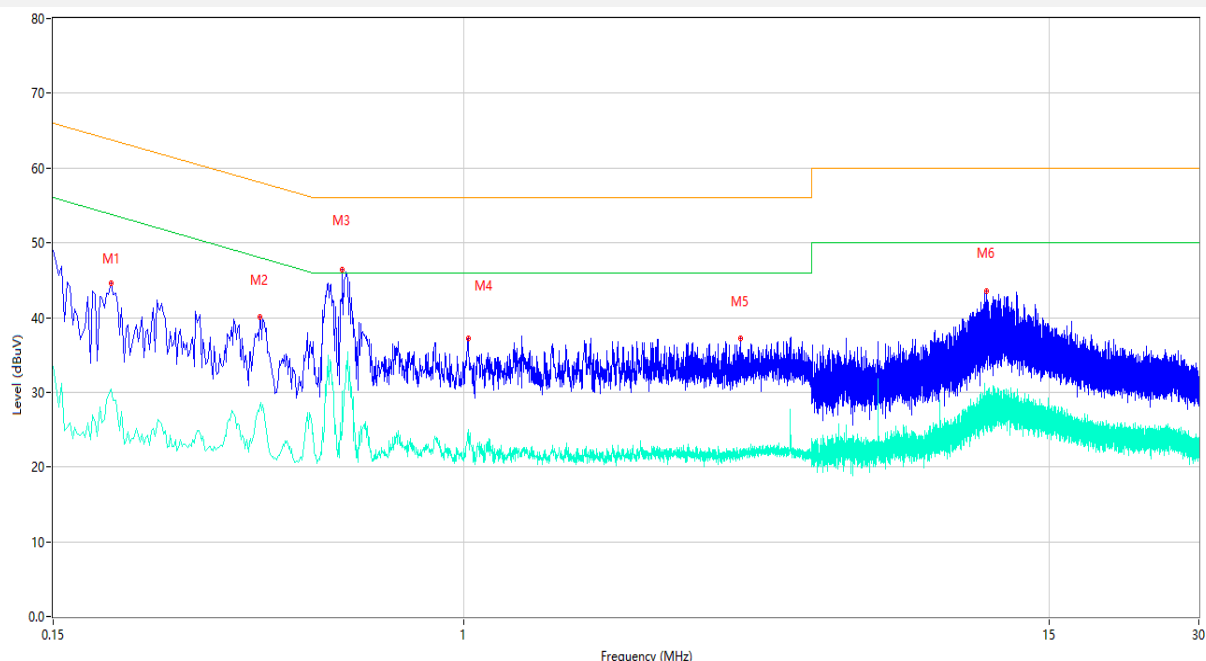
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

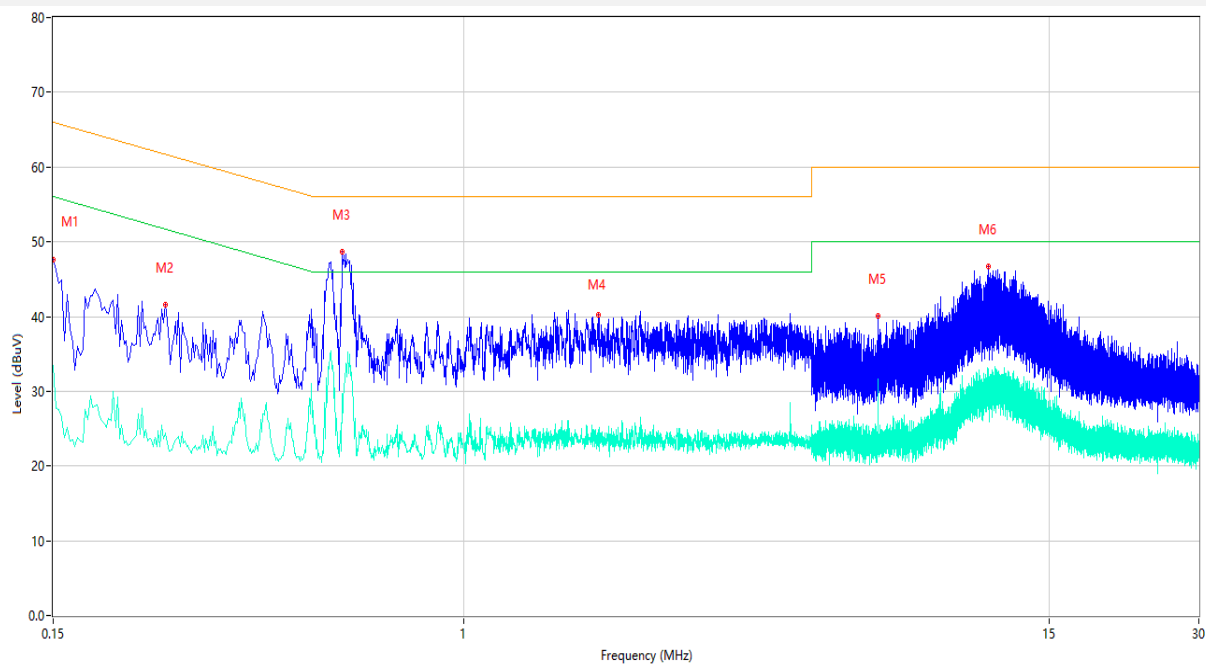
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.196	44.59	10.11	63.78	19.19	Peak	L	Pass
1**	0.196	30.48	10.11	53.78	23.30	AV	L	Pass
2	0.390	40.07	10.13	58.06	17.99	Peak	L	Pass
2**	0.390	28.05	10.13	48.06	20.01	AV	L	Pass
3	0.572	46.36	10.18	56.00	9.64	Peak	L	Pass
3**	0.572	30.12	10.18	46.00	15.88	AV	L	Pass
4	1.022	37.28	10.19	56.00	18.72	Peak	L	Pass
4**	1.022	25.06	10.19	46.00	20.94	AV	L	Pass
5	3.596	37.21	10.40	56.00	18.79	Peak	L	Pass
5**	3.596	21.79	10.40	46.00	24.21	AV	L	Pass
6	11.262	43.61	11.00	60.00	16.39	Peak	L	Pass
6**	11.262	30.20	11.00	50.00	19.80	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	47.62	10.15	66.00	18.38	Peak	N	Pass
1**	0.150	33.52	10.15	56.00	22.48	AV	N	Pass
2	0.252	41.57	10.15	61.69	20.12	Peak	N	Pass
2**	0.252	24.42	10.15	51.69	27.27	AV	N	Pass
3	0.570	48.66	10.19	56.00	7.34	Peak	N	Pass
3**	0.570	29.62	10.19	46.00	16.38	AV	N	Pass
4	1.866	40.30	10.24	56.00	15.70	Peak	N	Pass
4**	1.866	24.92	10.24	46.00	21.08	AV	N	Pass
5	6.800	40.09	10.60	60.00	19.91	Peak	N	Pass
5**	6.800	30.04	10.60	50.00	19.96	AV	N	Pass
6	11.342	46.63	10.99	60.00	13.37	Peak	N	Pass
6**	11.342	31.30	10.99	50.00	18.70	AV	N	Pass

A.6 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.

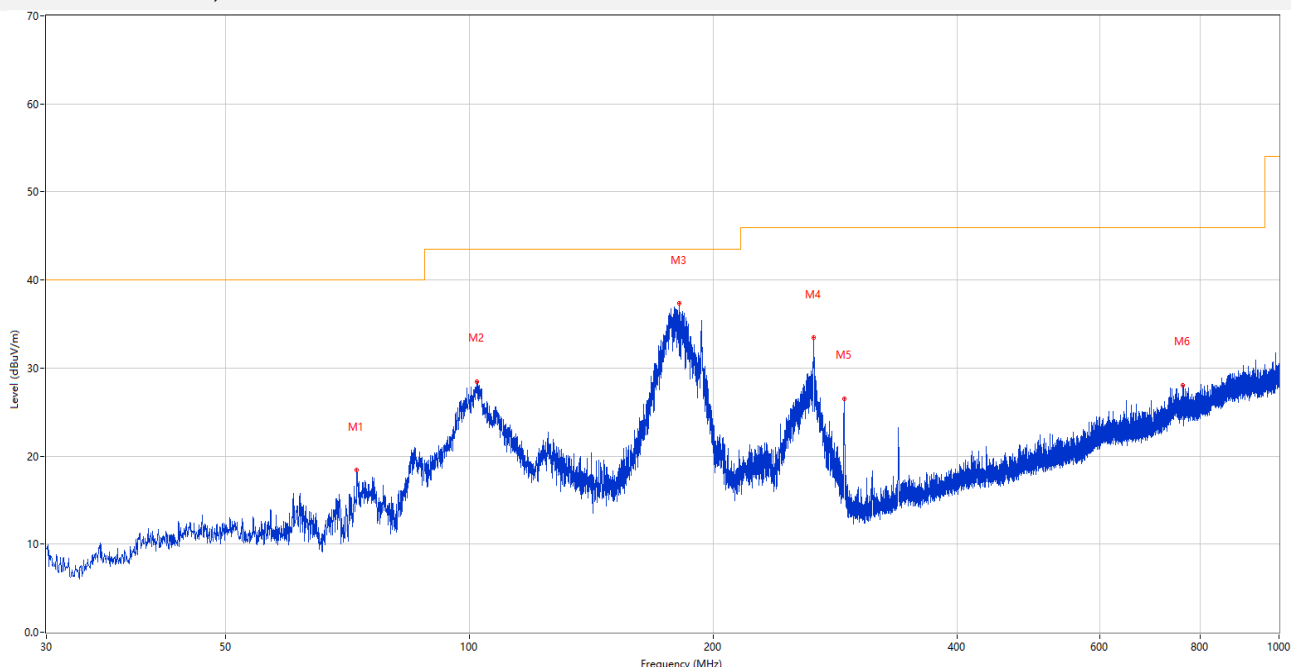
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 1M-High channel mode is the worst.

Note 5: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

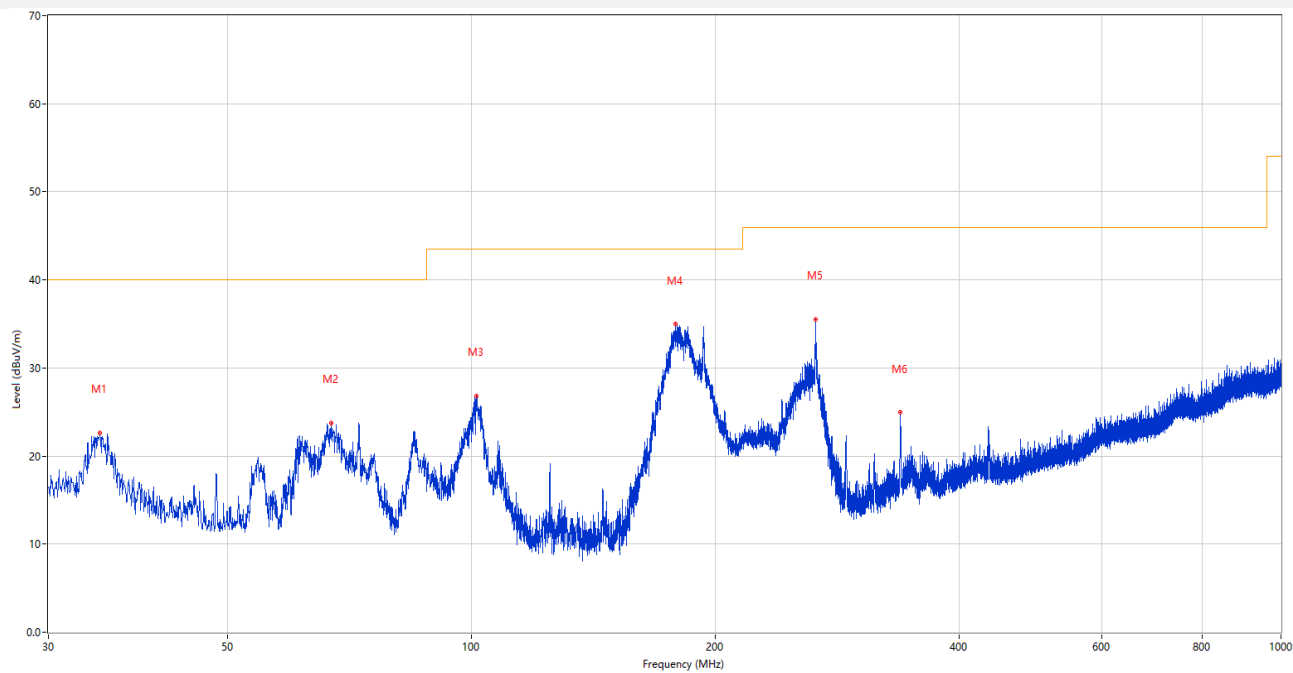
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	72.535	18.38	-29.83	40.0	21.62	Peak	352.00	200	Horizontal	Pass
2	102.022	28.50	-26.10	43.5	15.00	Peak	15.00	200	Horizontal	Pass
3	181.417	37.31	-27.66	43.5	6.19	Peak	292.00	100	Horizontal	Pass
4	265.953	33.42	-24.13	46.0	12.58	Peak	276.00	200	Horizontal	Pass
5	290.106	26.56	-23.21	46.0	19.44	Peak	264.00	200	Horizontal	Pass
6	761.138	28.08	-11.94	46.0	17.92	Peak	243.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



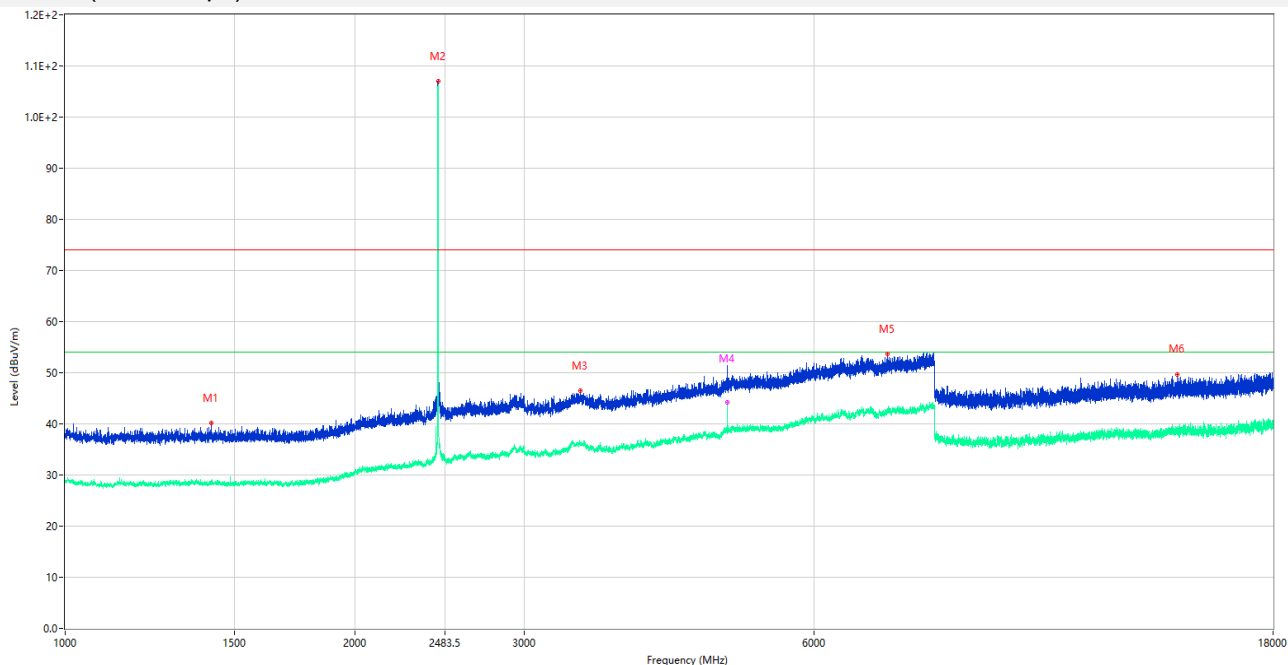
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.753	22.66	-27.85	40.0	17.34	Peak	1.00	100	Vertical	Pass
2	67.151	23.76	-28.05	40.0	16.24	Peak	345.00	100	Vertical	Pass
3	101.392	26.81	-26.10	43.5	16.69	Peak	266.00	100	Vertical	Pass
4	178.750	34.96	-27.92	43.5	8.54	Peak	247.00	200	Vertical	Pass
5	266.001	35.54	-24.13	46.0	10.46	Peak	218.00	100	Vertical	Pass
6	338.460	24.92	-22.04	46.0	21.08	Peak	95.00	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.

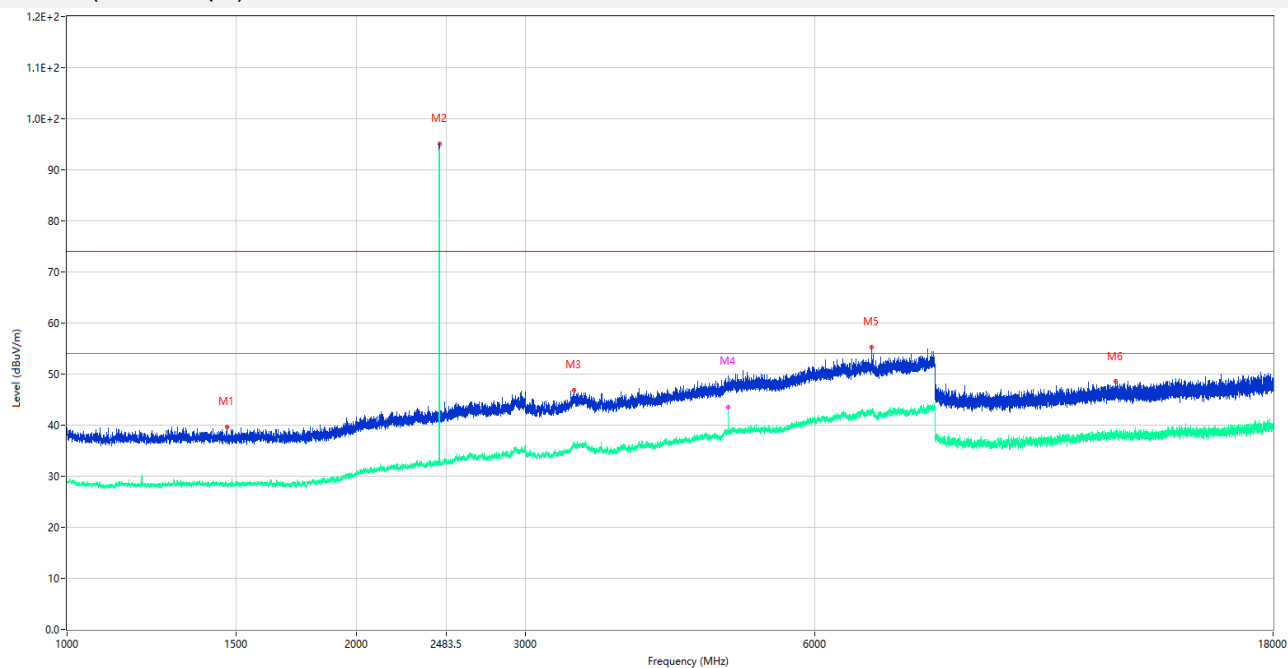
Main Antenna

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H



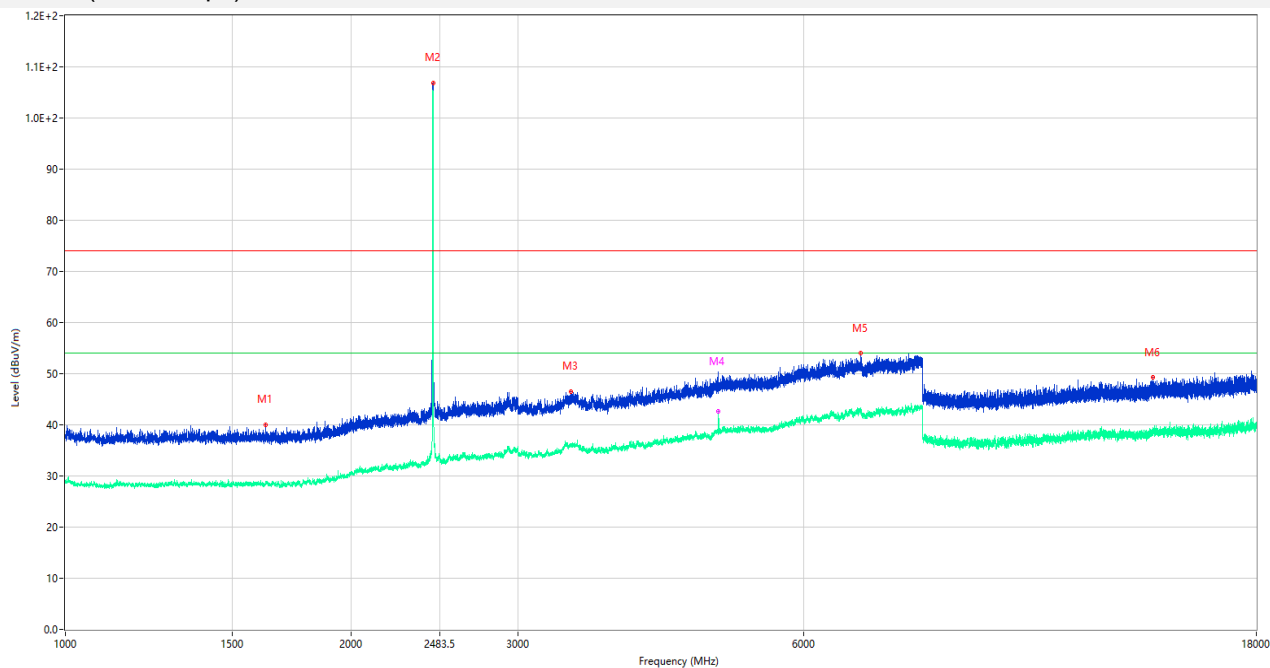
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1419.250	40.18	-15.92	74.0	33.82	Peak	360.00	150	Horizontal	Pass
1**	1419.250	28.33	-15.92	54.0	25.67	AV	360.00	150	Horizontal	Pass
2	2440.250	106.95	-12.37	74.0	-32.95	Peak	22.00	150	Horizontal	N/A
2**	2440.250	106.36	-12.37	54.0	-52.36	AV	22.00	150	Horizontal	N/A
3	3428.500	46.48	-4.96	74.0	27.52	Peak	301.00	150	Horizontal	Pass
3**	3428.500	36.04	-4.96	54.0	17.96	AV	301.00	150	Horizontal	Pass
4	4880.500	50.12	-2.29	74.0	23.88	Peak	31.00	150	Horizontal	Pass
4**	4880.500	44.28	-2.29	54.0	9.72	AV	31.00	150	Horizontal	Pass
5	7154.000	53.63	0.13	74.0	20.37	Peak	41.00	150	Horizontal	Pass
5**	7154.000	42.63	0.13	54.0	11.37	AV	41.00	150	Horizontal	Pass
6	14303.000	49.71	-2.67	74.0	24.29	Peak	235.00	150	Horizontal	Pass
6**	14303.000	38.63	-2.67	54.0	15.37	AV	235.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V



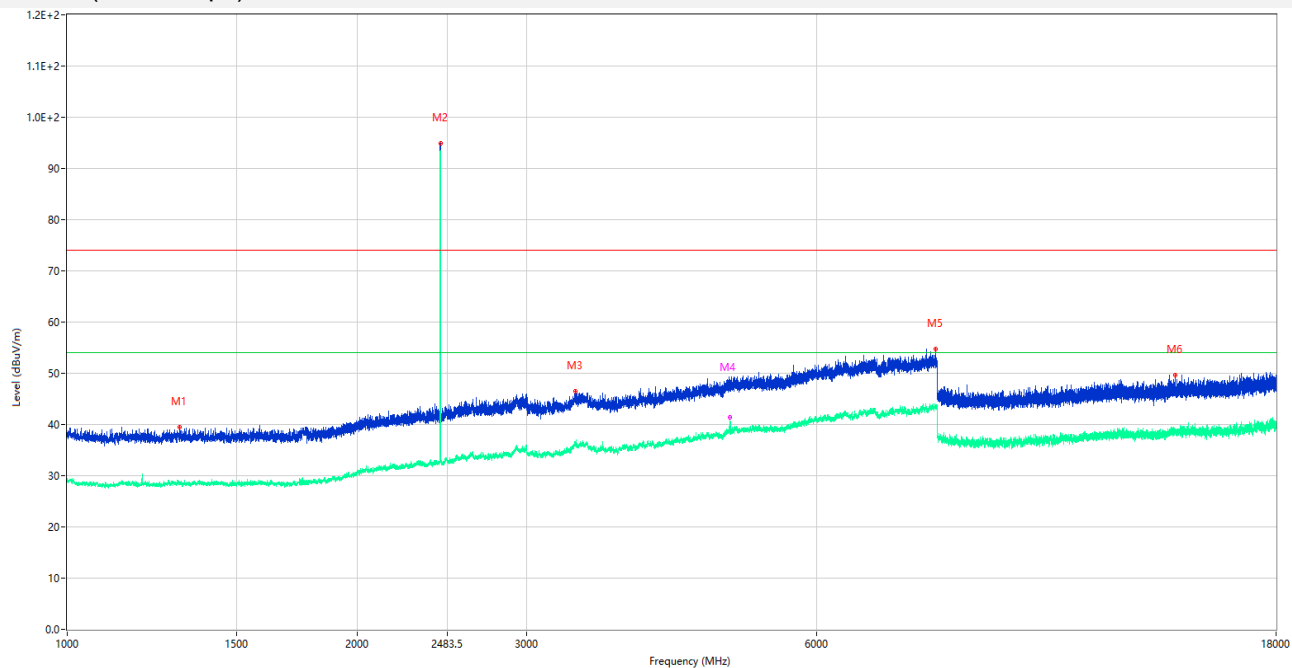
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.250	39.68	-16.26	74.0	34.32	Peak	94.00	150	Vertical	Pass
1**	1467.250	28.54	-16.26	54.0	25.46	AV	94.00	150	Vertical	Pass
2	2440.250	95.16	-12.37	74.0	-21.16	Peak	144.00	150	Vertical	N/A
2**	2440.250	94.27	-12.37	54.0	-40.27	AV	144.00	150	Vertical	N/A
3	3370.500	46.88	-4.86	74.0	27.12	Peak	360.00	150	Vertical	Pass
3**	3370.500	36.39	-4.86	54.0	17.61	AV	360.00	150	Vertical	Pass
4	4880.500	49.67	-2.29	74.0	24.33	Peak	221.00	150	Vertical	Pass
4**	4880.500	43.52	-2.29	54.0	10.48	AV	221.00	150	Vertical	Pass
5	6880.000	55.28	0.62	74.0	18.72	Peak	360.00	150	Vertical	Pass
5**	6880.000	42.92	0.62	54.0	11.08	AV	360.00	150	Vertical	Pass
6	12344.500	48.55	-2.32	74.0	25.45	Peak	11.00	150	Vertical	Pass
6**	12344.500	37.82	-2.32	54.0	16.18	AV	11.00	150	Vertical	Pass

GFSK (BLE 2Mbps) MIDDLE 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	1625.750	40.03	-15.99	74.0	33.97	Peak	246.00	150	Horizontal	Pass
1**	1625.750	28.35	-15.99	54.0	25.65	AV	246.00	150	Horizontal	Pass
2	2440.500	106.92	-12.38	74.0	-32.92	Peak	31.00	150	Horizontal	N/A
2**	2440.500	105.01	-12.38	54.0	-51.01	AV	31.00	150	Horizontal	N/A
3	3409.500	46.57	-5.34	74.0	27.43	Peak	179.00	150	Horizontal	Pass
3**	3409.500	36.15	-5.34	54.0	17.85	AV	179.00	150	Horizontal	Pass
4	4881.500	48.60	-2.31	74.0	25.40	Peak	169.00	150	Horizontal	Pass
4**	4881.500	42.56	-2.31	54.0	11.44	AV	169.00	150	Horizontal	Pass
5	6886.500	54.03	0.62	74.0	19.97	Peak	360.00	150	Horizontal	Pass
5**	6886.500	42.72	0.62	54.0	11.28	AV	360.00	150	Horizontal	Pass
6	14003.000	49.27	-1.68	74.0	24.73	Peak	360.00	150	Horizontal	Pass
6**	14003.000	38.63	-1.68	54.0	15.37	AV	360.00	150	Horizontal	Pass

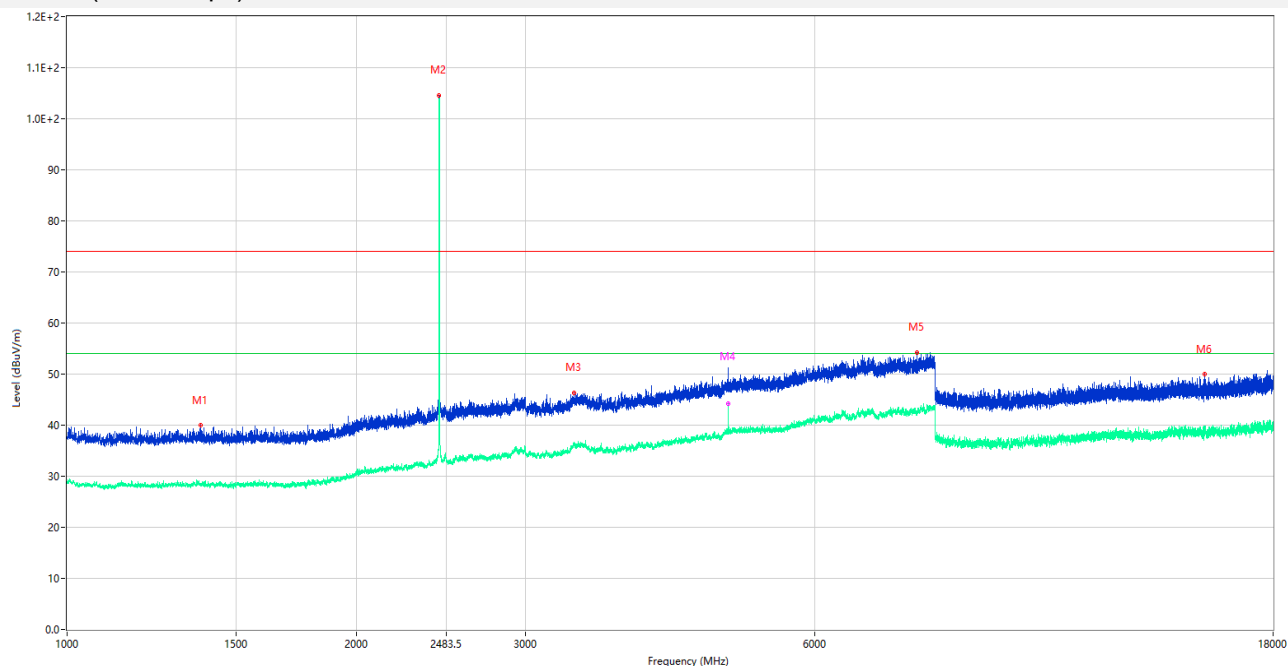
GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1308.250	39.56	-15.68	74.0	34.44	Peak	237.00	150	Vertical	Pass
1**	1308.250	28.77	-15.68	54.0	25.23	AV	237.00	150	Vertical	Pass
2	2440.500	94.99	-12.38	74.0	-20.99	Peak	141.00	150	Vertical	N/A
2**	2440.500	93.20	-12.38	54.0	-39.20	AV	141.00	150	Vertical	N/A
3	3373.500	46.50	-4.79	74.0	27.50	Peak	296.00	150	Vertical	Pass
3**	3373.500	36.23	-4.79	54.0	17.77	AV	296.00	150	Vertical	Pass
4	4880.500	48.83	-2.29	74.0	25.17	Peak	227.00	150	Vertical	Pass
4**	4880.500	41.43	-2.29	54.0	12.57	AV	227.00	150	Vertical	Pass
5	7974.500	54.78	1.92	74.0	19.22	Peak	188.00	150	Vertical	Pass
5**	7974.500	43.26	1.92	54.0	10.74	AV	188.00	150	Vertical	Pass
6	14134.500	49.66	-1.34	74.0	24.34	Peak	60.00	150	Vertical	Pass
6**	14134.500	38.81	-1.34	54.0	15.19	AV	60.00	150	Vertical	Pass

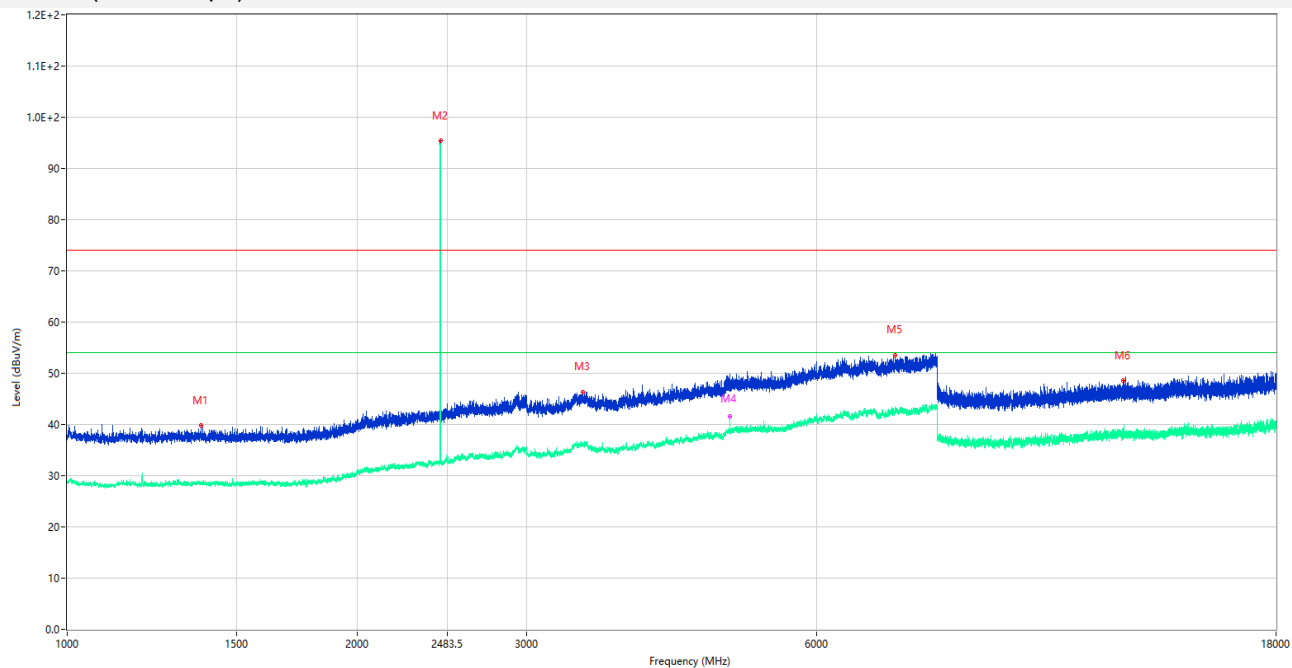
Aux. Antenna

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H



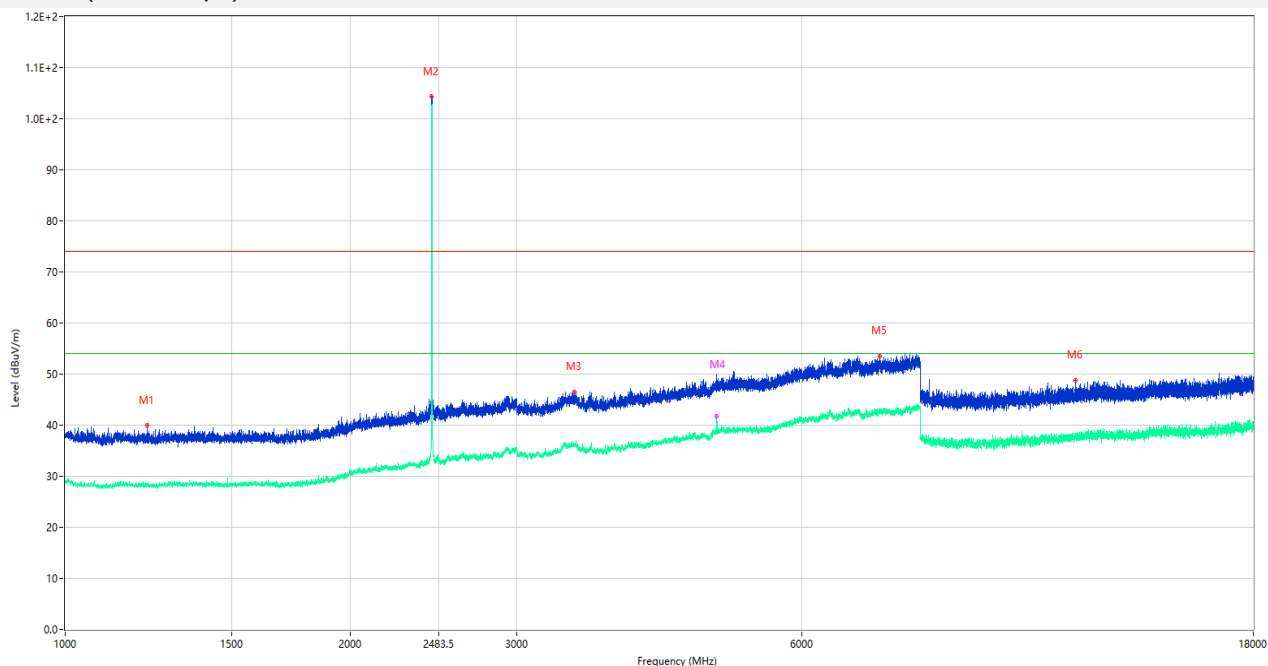
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1376.000	39.95	-15.99	74.0	34.05	Peak	98.00	150	Horizontal	Pass
1**	1376.000	28.32	-15.99	54.0	25.68	AV	98.00	150	Horizontal	Pass
2	2439.750	104.60	-12.37	74.0	-30.60	Peak	0.00	150	Horizontal	N/A
2**	2439.750	102.53	-12.37	54.0	-48.53	AV	0.00	150	Horizontal	N/A
3	3373.000	46.24	-4.79	74.0	27.76	Peak	198.00	150	Horizontal	Pass
3**	3373.000	36.41	-4.79	54.0	17.59	AV	198.00	150	Horizontal	Pass
4	4880.500	49.90	-2.29	74.0	24.10	Peak	48.00	150	Horizontal	Pass
4**	4880.500	44.22	-2.29	54.0	9.78	AV	48.00	150	Horizontal	Pass
5	7671.000	54.26	0.68	74.0	19.74	Peak	3.00	150	Horizontal	Pass
5**	7671.000	42.62	0.68	54.0	11.38	AV	3.00	150	Horizontal	Pass
6	15280.500	49.94	-1.69	74.0	24.06	Peak	0.00	150	Horizontal	Pass
6**	15280.500	38.53	-1.69	54.0	15.47	AV	0.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V



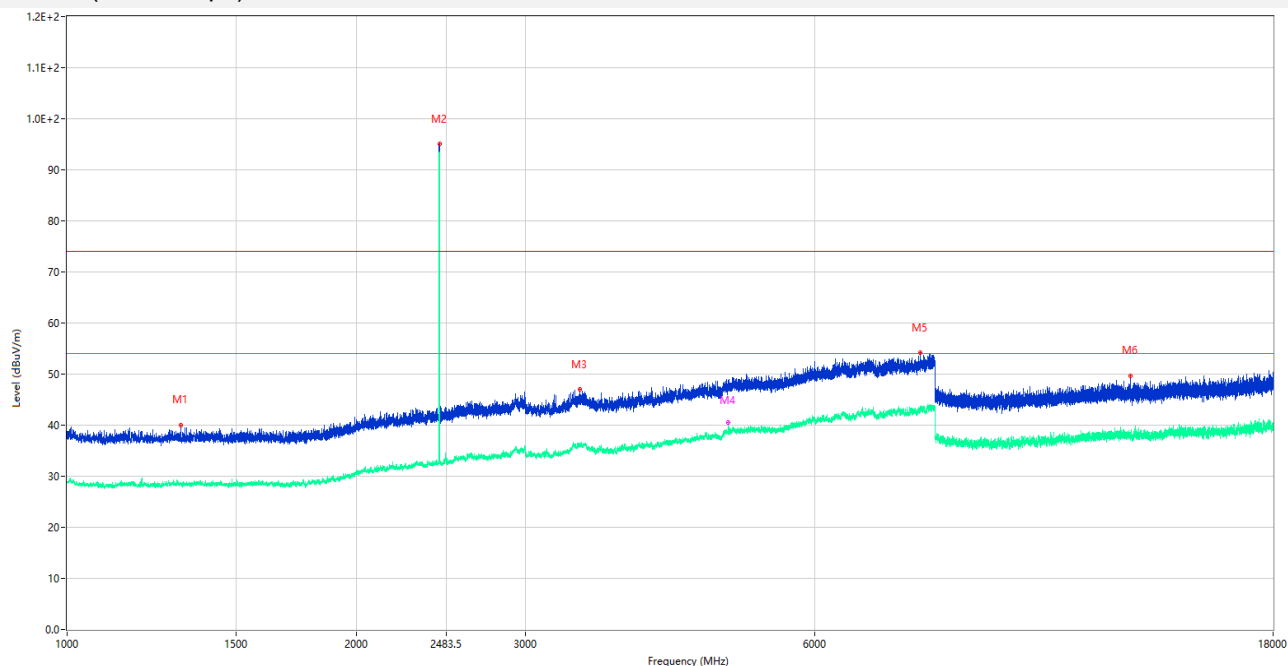
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1376.250	39.78	-15.99	74.0	34.22	Peak	360.00	150	Vertical	Pass
1**	1376.250	28.30	-15.99	54.0	25.70	AV	360.00	150	Vertical	Pass
2	2440.250	95.43	-12.37	74.0	-21.43	Peak	264.00	150	Vertical	N/A
2**	2440.250	94.93	-12.37	54.0	-40.93	AV	264.00	150	Vertical	N/A
3	3428.000	46.40	-4.91	74.0	27.60	Peak	0.00	150	Vertical	Pass
3**	3428.000	36.01	-4.91	54.0	17.99	AV	0.00	150	Vertical	Pass
4	4880.500	49.09	-2.29	74.0	24.91	Peak	0.00	150	Vertical	Pass
4**	4880.500	41.61	-2.29	54.0	12.39	AV	0.00	150	Vertical	Pass
5	7245.500	53.52	0.91	74.0	20.48	Peak	319.00	150	Vertical	Pass
5**	7245.500	42.91	0.91	54.0	11.09	AV	319.00	150	Vertical	Pass
6	12489.000	48.59	-2.57	74.0	25.41	Peak	90.00	150	Vertical	Pass
6**	12489.000	37.81	-2.57	54.0	16.19	AV	90.00	150	Vertical	Pass

GFSK (BLE 2Mbps) MIDDLE 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	1222.000	39.94	-16.00	74.0	34.06	Peak	81.00	150	Horizontal	Pass
1**	1222.000	28.52	-16.00	54.0	25.48	AV	81.00	150	Horizontal	Pass
2	2439.500	104.38	-12.37	74.0	-30.38	Peak	2.00	150	Horizontal	N/A
2**	2439.500	100.36	-12.37	54.0	-46.36	AV	2.00	150	Horizontal	N/A
3	3454.500	46.58	-4.92	74.0	27.42	Peak	282.00	150	Horizontal	Pass
3**	3454.500	36.02	-4.92	54.0	17.98	AV	282.00	150	Horizontal	Pass
4	4879.500	48.99	-2.28	74.0	25.01	Peak	332.00	150	Horizontal	Pass
4**	4879.500	41.78	-2.28	54.0	12.22	AV	332.00	150	Horizontal	Pass
5	7250.000	53.53	0.90	74.0	20.47	Peak	359.00	150	Horizontal	Pass
5**	7250.000	42.55	0.90	54.0	11.45	AV	359.00	150	Horizontal	Pass
6	11685.500	48.80	-2.75	74.0	25.20	Peak	92.00	150	Horizontal	Pass
6**	11685.500	38.19	-2.75	54.0	15.81	AV	92.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1312.250	40.07	-15.82	74.0	33.93	Peak	215.00	150	Vertical	Pass
1**	1312.250	28.58	-15.82	54.0	25.42	AV	215.00	150	Vertical	Pass
2	2440.500	95.04	-12.38	74.0	-21.04	Peak	265.00	150	Vertical	N/A
2**	2440.500	93.21	-12.38	54.0	-39.21	AV	265.00	150	Vertical	N/A
3	3417.000	46.95	-5.12	74.0	27.05	Peak	47.00	150	Vertical	Pass
3**	3417.000	35.82	-5.12	54.0	18.18	AV	47.00	150	Vertical	Pass
4	4881.500	48.08	-2.31	74.0	25.92	Peak	360.00	150	Vertical	Pass
4**	4881.500	40.44	-2.31	54.0	13.56	AV	360.00	150	Vertical	Pass
5	7731.500	54.13	1.00	74.0	19.87	Peak	307.00	150	Vertical	Pass
5**	7731.500	43.19	1.00	54.0	10.81	AV	307.00	150	Vertical	Pass
6	12786.500	49.73	-3.03	74.0	24.27	Peak	126.00	150	Vertical	Pass
6**	12786.500	37.66	-3.03	54.0	16.34	AV	126.00	150	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

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

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

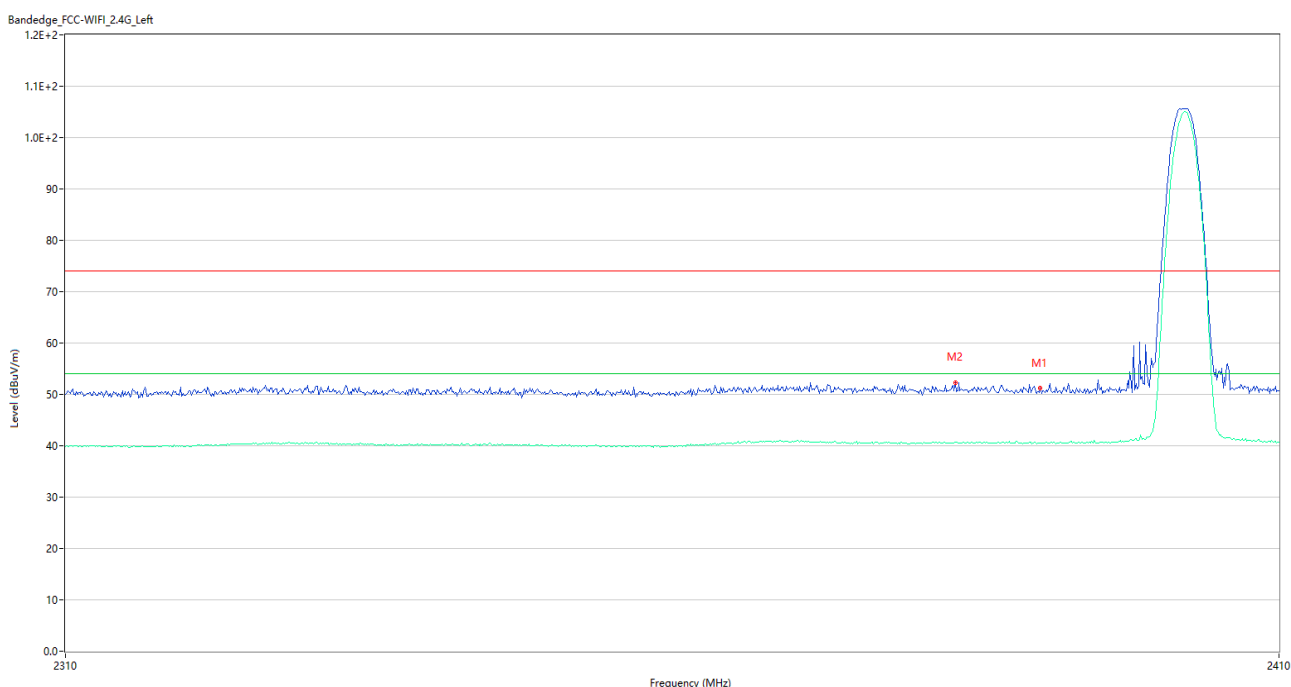
Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

Test Data and Plots

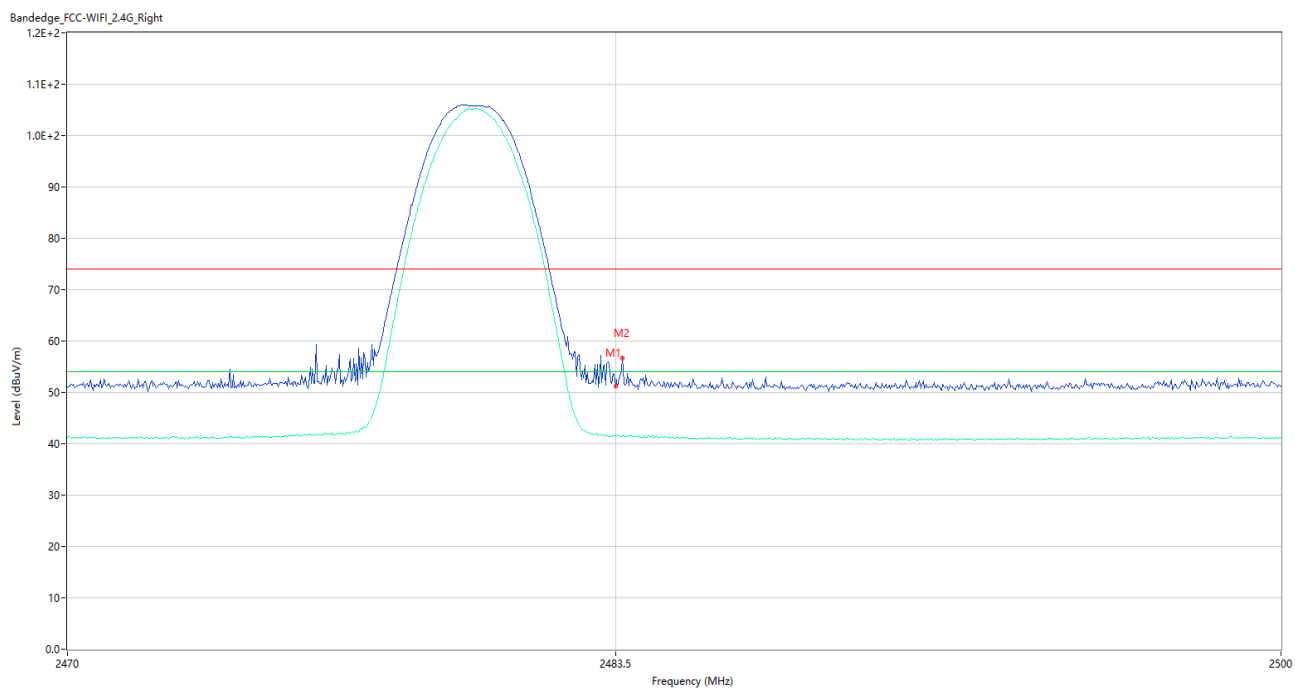
Main Antenna

GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.22	-4.87	74.0	22.78	Peak	108.86	150	Horizontal	Pass
1**	2390.000	40.53	-4.87	54.0	13.47	AV	108.86	150	Horizontal	Pass
2	2382.900	52.23	-4.47	74.0	21.77	Peak	73.00	150	Horizontal	Pass
2**	2382.900	40.62	-4.47	54.0	13.38	AV	73.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



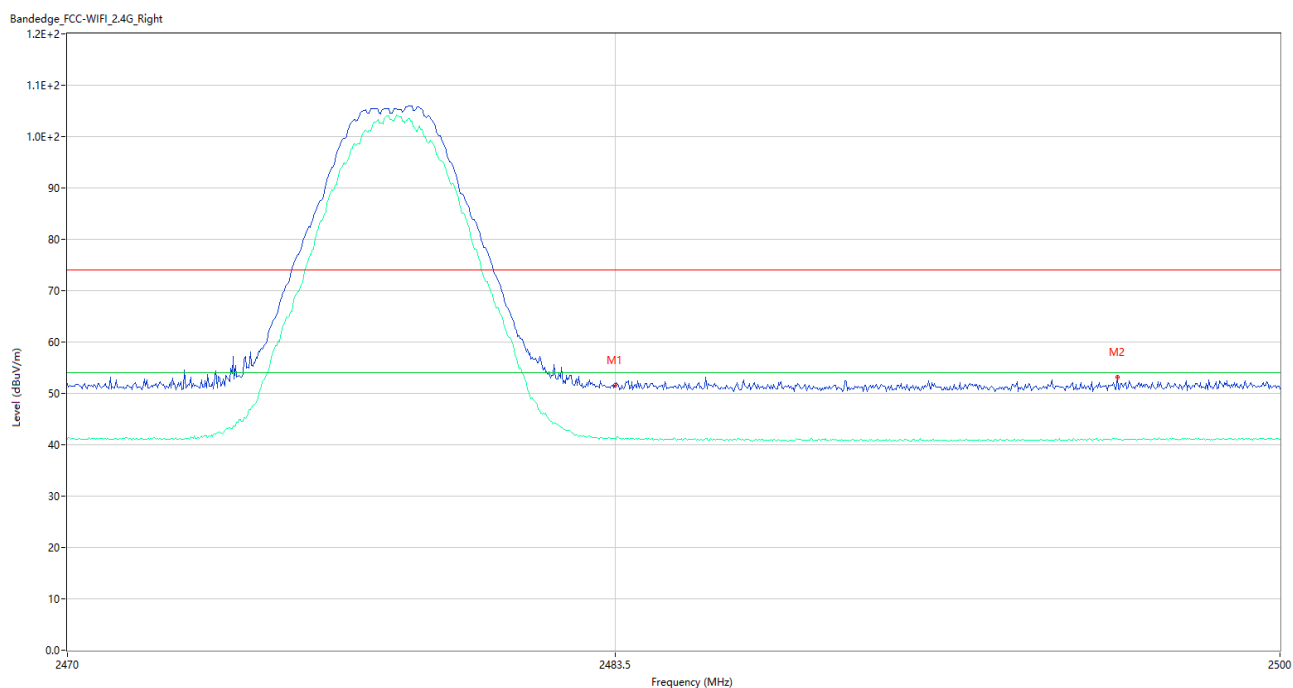
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.24	-3.78	74.0	22.76	Peak	35.00	150	Horizontal	Pass
1**	2483.500	41.59	-3.78	54.0	12.41	AV	35.00	150	Horizontal	Pass
2	2483.680	56.64	-3.78	74.0	17.36	Peak	329.00	150	Horizontal	Pass
2**	2483.680	41.66	-3.78	54.0	12.34	AV	329.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.09	-4.87	74.0	22.91	Peak	210.05	150	Vertical	Pass
1**	2390.000	40.36	-4.87	54.0	13.64	AV	210.05	150	Vertical	Pass
2	2377.600	52.49	-4.23	74.0	21.51	Peak	306.00	150	Vertical	Pass
2**	2377.600	40.70	-4.23	54.0	13.30	AV	306.00	150	Vertical	Pass

GFSK (BLE 2Mbps) 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	51.53	-3.78	74.0	22.47	Peak	273.00	150	Horizontal	Pass
1**	2483.500	41.23	-3.78	54.0	12.77	AV	273.00	150	Horizontal	Pass
2	2495.950	53.08	-3.94	74.0	20.92	Peak	191.00	150	Horizontal	Pass
2**	2495.950	41.05	-3.94	54.0	12.95	AV	191.00	150	Horizontal	Pass

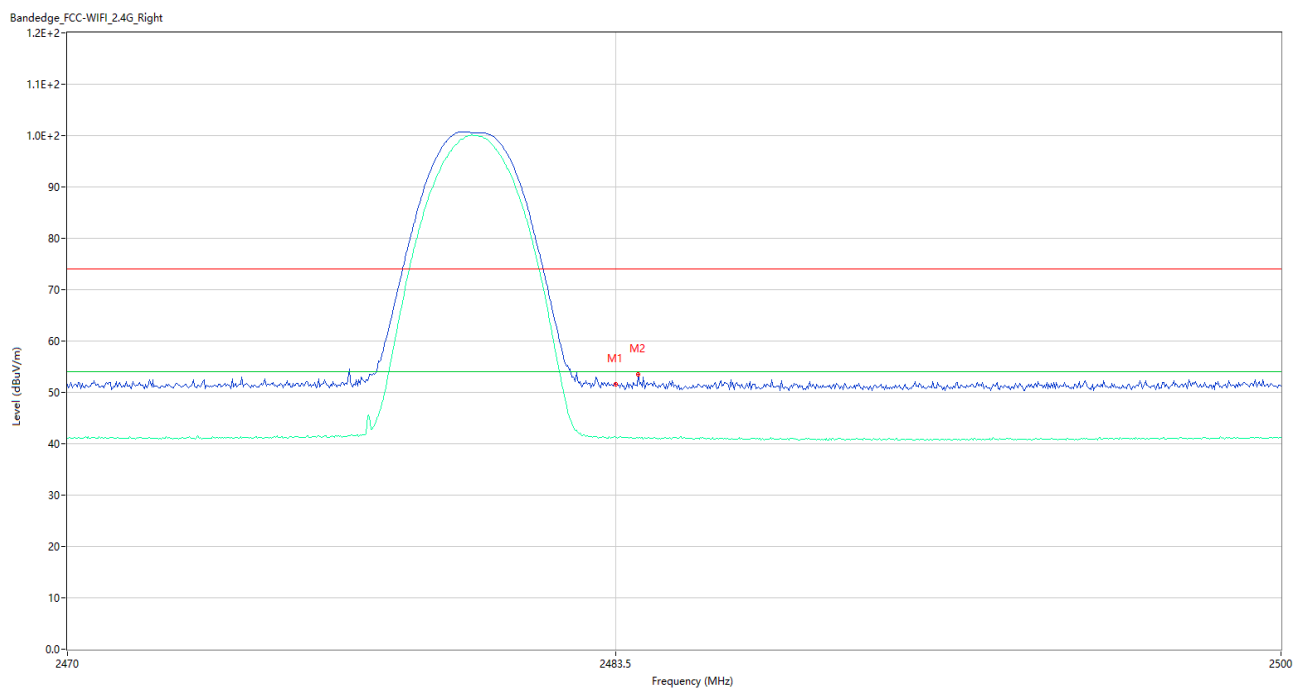
Aux. Antenna

GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.90	-4.87	74.0	23.10	Peak	163.22	150	Horizontal	Pass
1**	2390.000	40.41	-4.87	54.0	13.59	AV	163.22	150	Horizontal	Pass
2	2369.800	52.62	-4.02	74.0	21.38	Peak	251.00	150	Horizontal	Pass
2**	2369.800	40.90	-4.02	54.0	13.10	AV	251.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



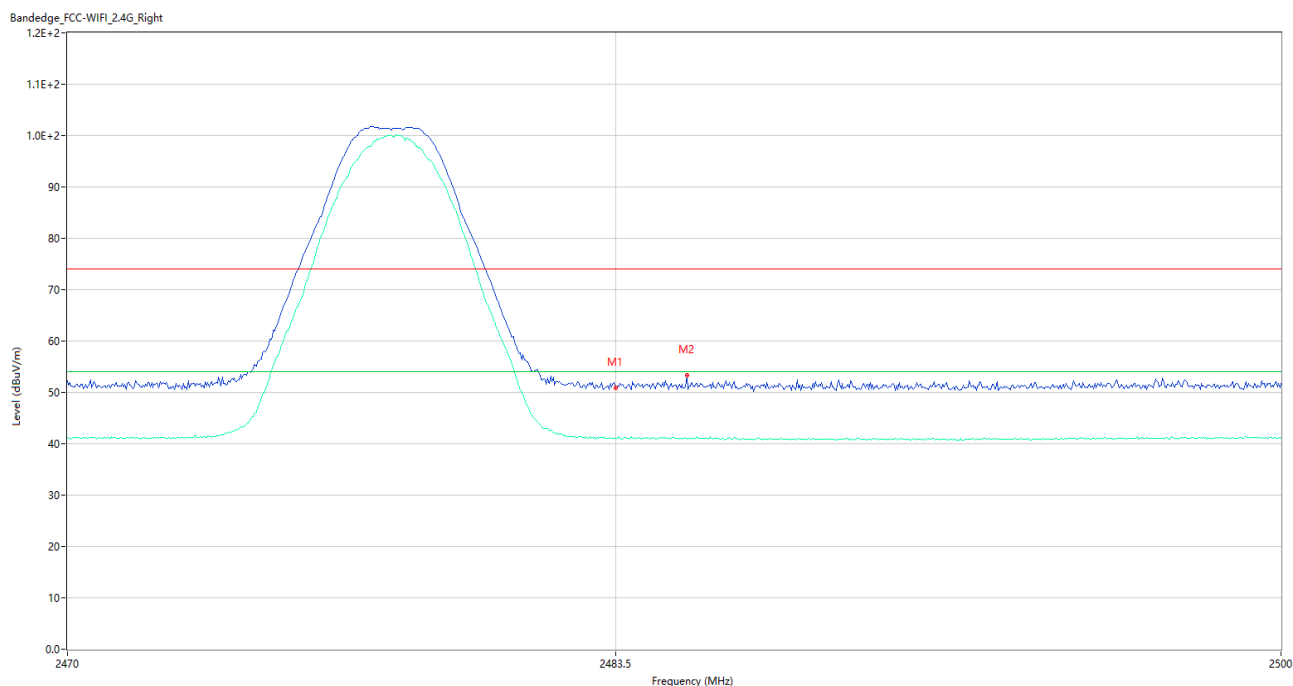
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.62	-3.78	74.0	22.38	Peak	1.00	150	Horizontal	Pass
1**	2483.500	41.19	-3.78	54.0	12.81	AV	1.00	150	Horizontal	Pass
2	2484.070	53.50	-3.78	74.0	20.50	Peak	1.00	150	Horizontal	Pass
2**	2484.070	41.09	-3.78	54.0	12.91	AV	1.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.64	-4.87	74.0	22.36	Peak	340.61	150	Horizontal	Pass
1**	2390.000	40.44	-4.87	54.0	13.56	AV	340.61	150	Horizontal	Pass
2	2379.300	52.52	-4.29	74.0	21.48	Peak	112.00	150	Horizontal	Pass
2**	2379.300	40.41	-4.29	54.0	13.59	AV	112.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) 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	50.92	-3.78	74.0	23.08	Peak	268.00	150	Horizontal	Pass
1**	2483.500	41.02	-3.78	54.0	12.98	AV	268.00	150	Horizontal	Pass
2	2485.270	53.41	-3.78	74.0	20.59	Peak	126.00	150	Horizontal	Pass
2**	2485.270	40.95	-3.78	54.0	13.05	AV	126.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-1.38	8	Pass
Middle	0.21	8	Pass
High	-0.29	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-3.43	8	Pass
Middle	-1.91	8	Pass
High	-2.07	8	Pass

Aux. Antenna

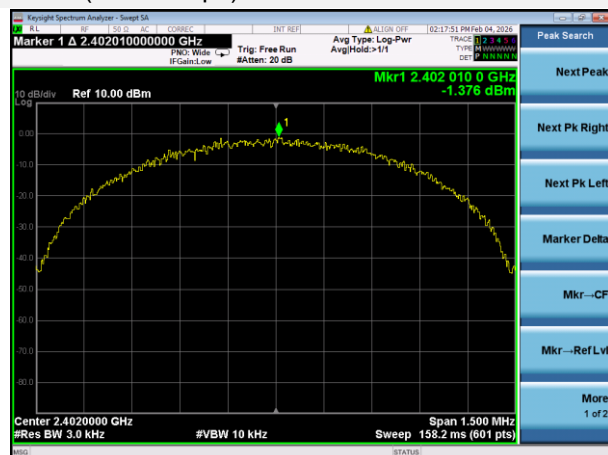
GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-5.29	8	Pass
Middle	-7.54	8	Pass
High	-3.59	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-6.87	8	Pass
Middle	-11.09	8	Pass
High	-6.70	8	Pass

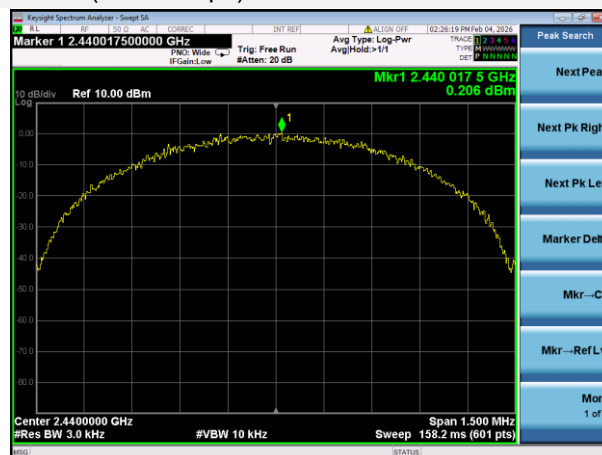
Test Plots

Main Antenna

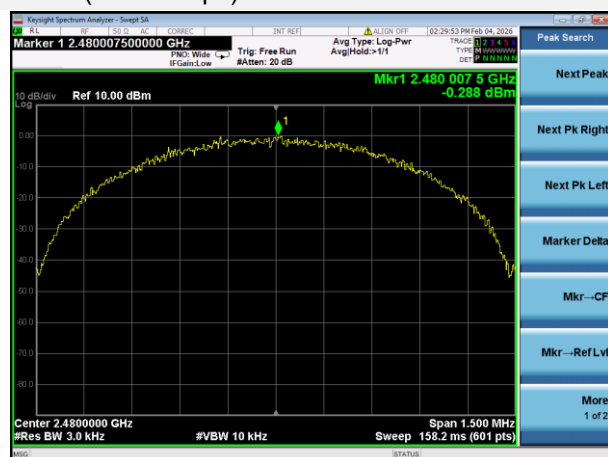
GFSK (BLE 1Mbps) LOW CHANNEL



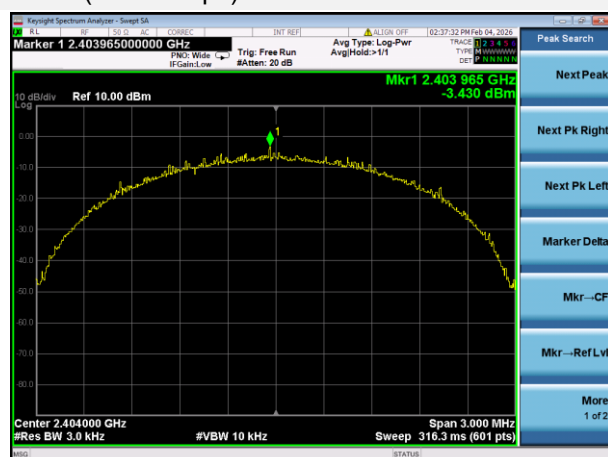
GFSK (BLE 1Mbps) MIDDLE CHANNEL



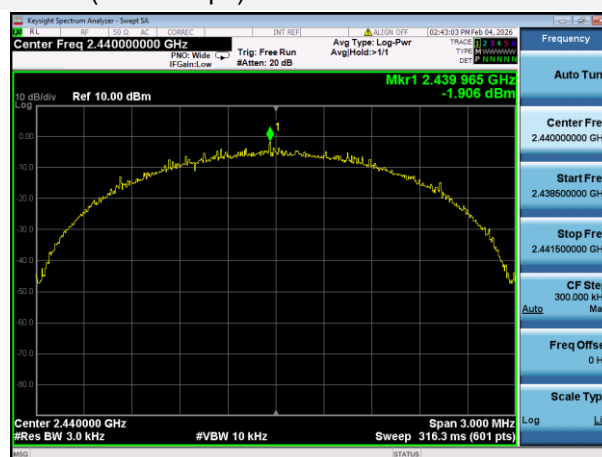
GFSK (BLE 1Mbps) HIGH CHANNEL



GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL

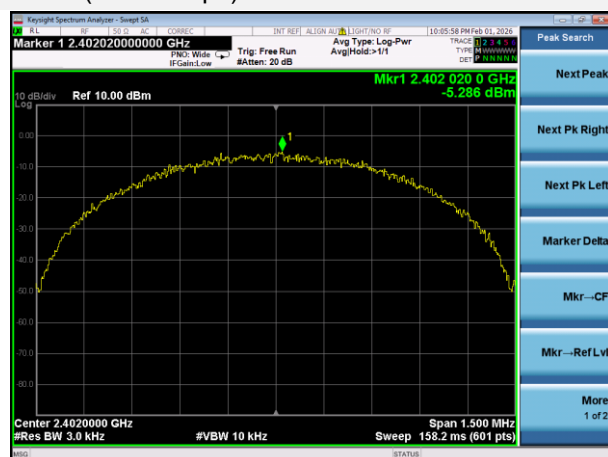


GFSK (BLE 2Mbps) HIGH CHANNEL

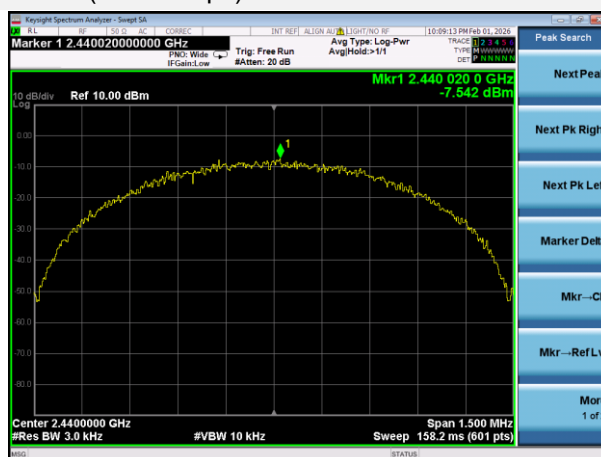


Aux. Antenna

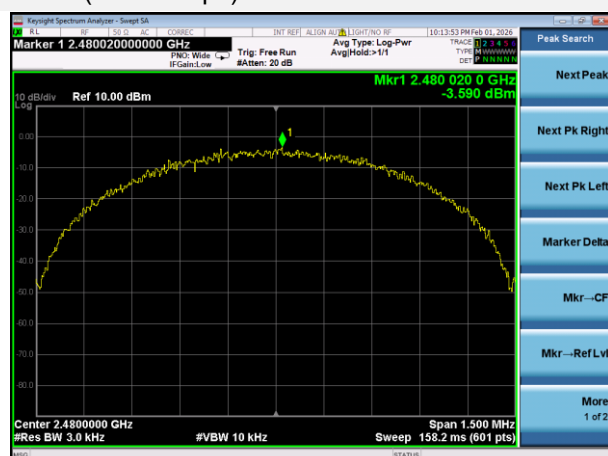
GFSK (BLE 1Mbps) LOW CHANNEL



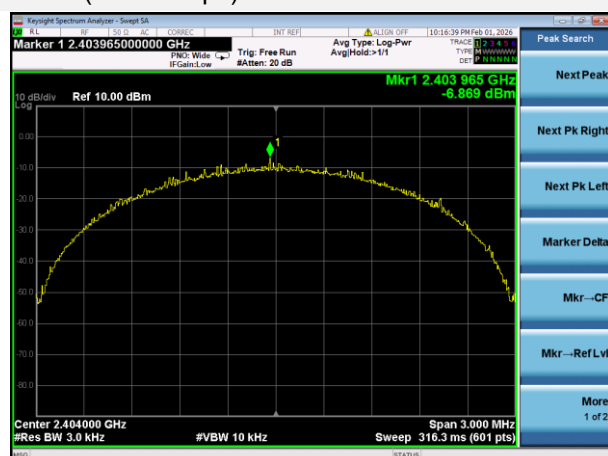
GFSK (BLE 1Mbps) MIDDLE CHANNEL



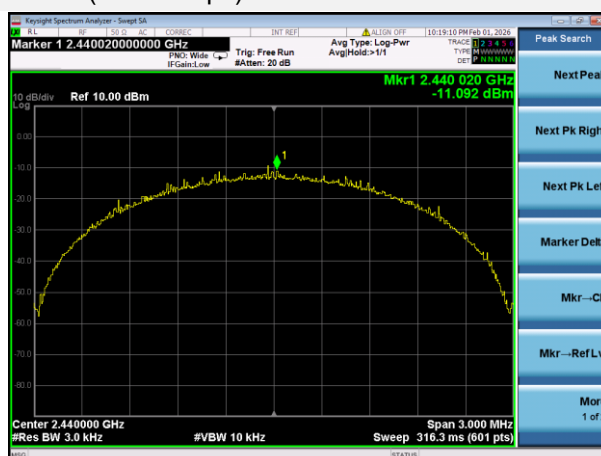
GFSK (BLE 1Mbps) HIGH CHANNEL



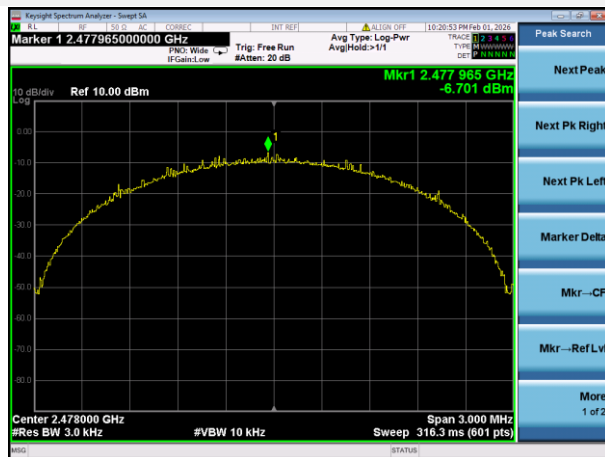
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26010298-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26010298-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26010298-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
5. This report shall not be partially reproduced without the written permission of the Testing Center.
6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--