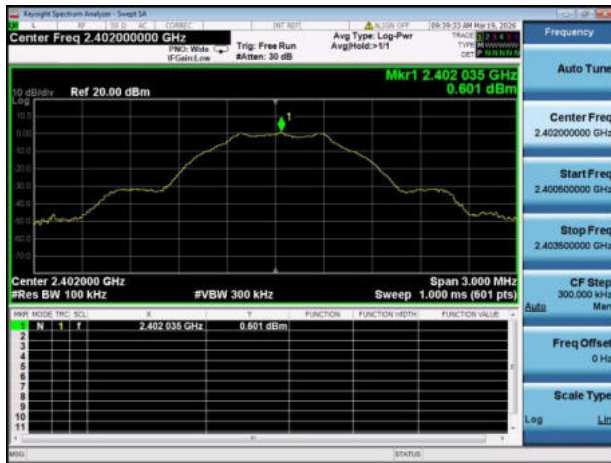


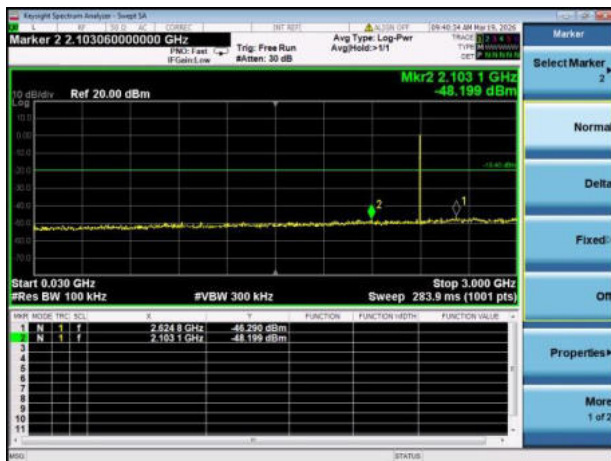
Test Plots

ANT0

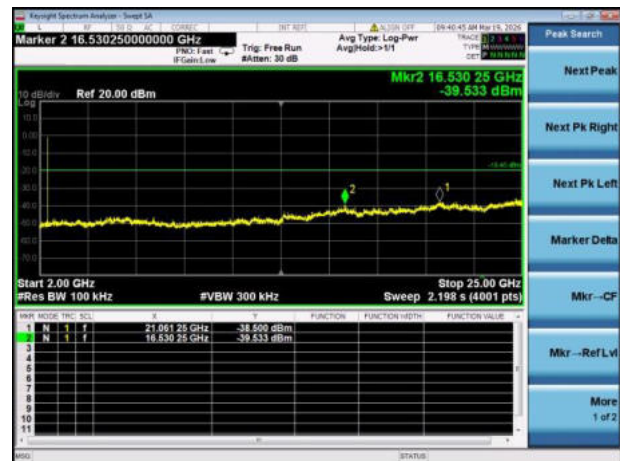
GFSK (BLE 1Mbps) LOW CHANNEL,
CARRIER LEVEL



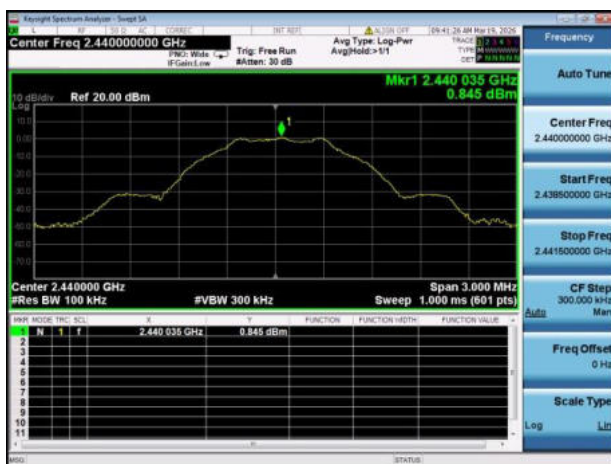
GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 30 MHz ~ 3 GHz

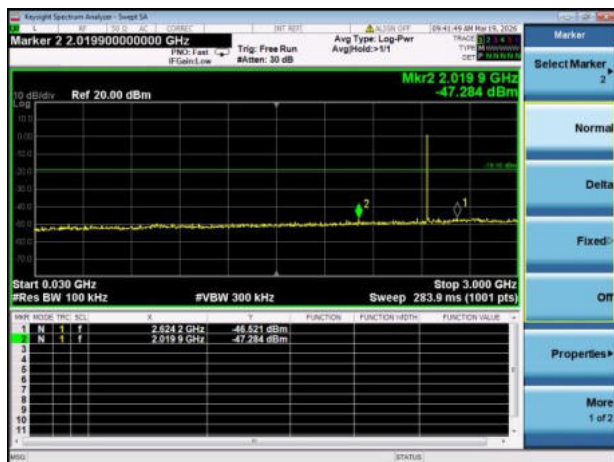
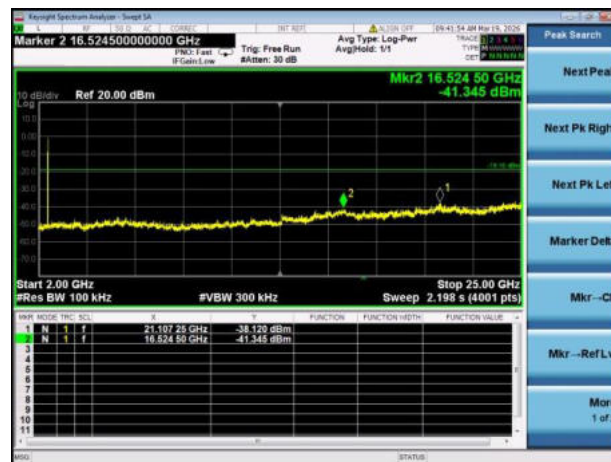
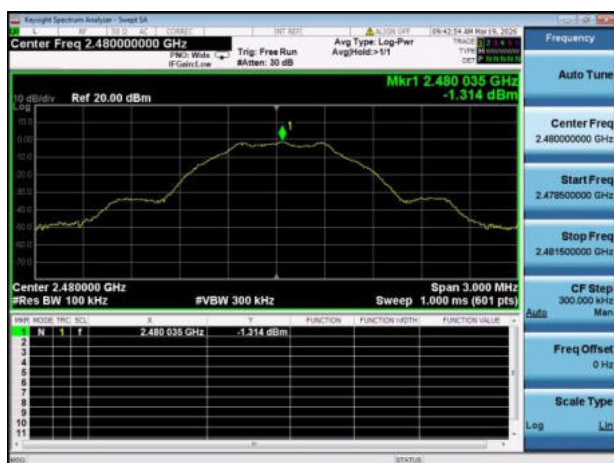
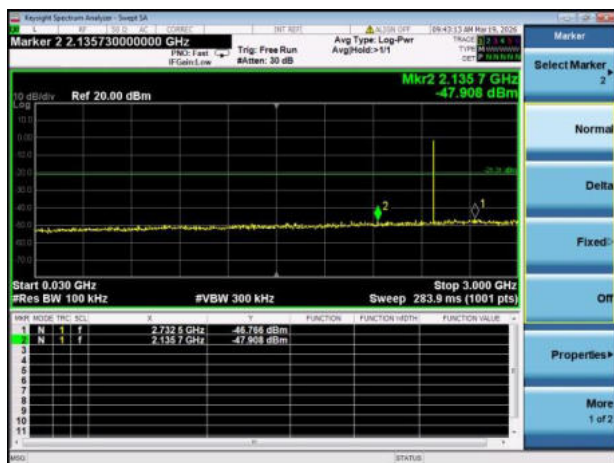
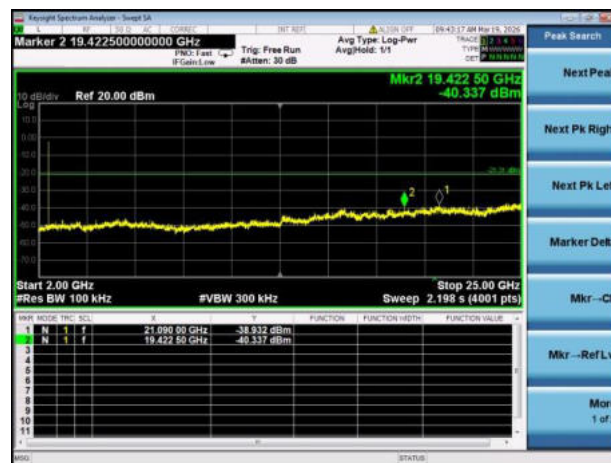


GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

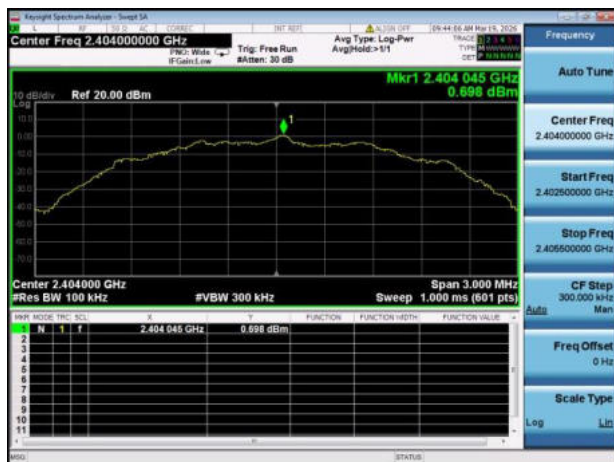


GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL

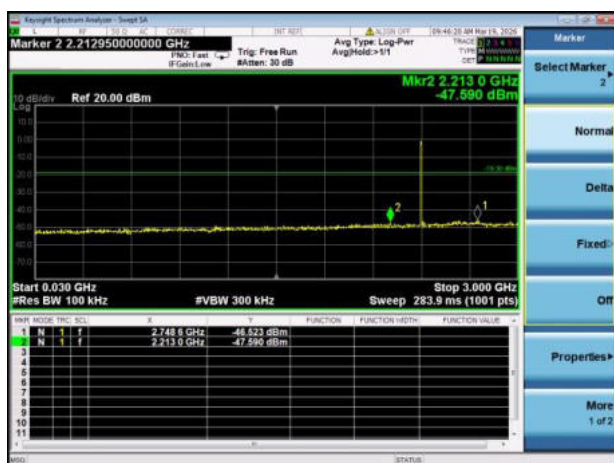


GFSK (BLE 1Mbps) MIDDLE CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 1Mbps) MIDDLE CHANNEL,
SPURIOUS 2 GHz ~ 25 GHzGFSK (BLE 1Mbps) HIGH CHANNEL,
CARRIER LEVELGFSK (BLE 1Mbps) HIGH CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 1Mbps) HIGH CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

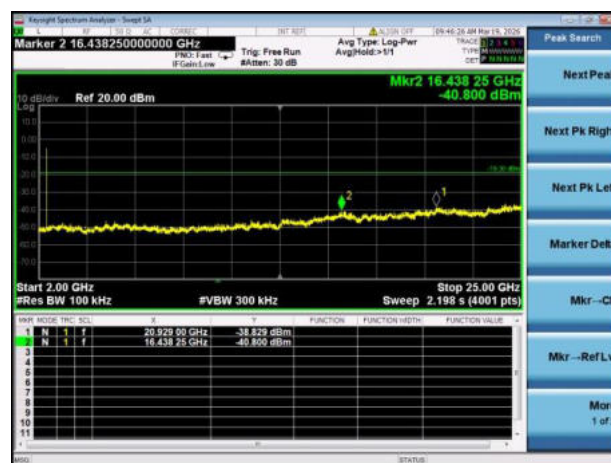
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



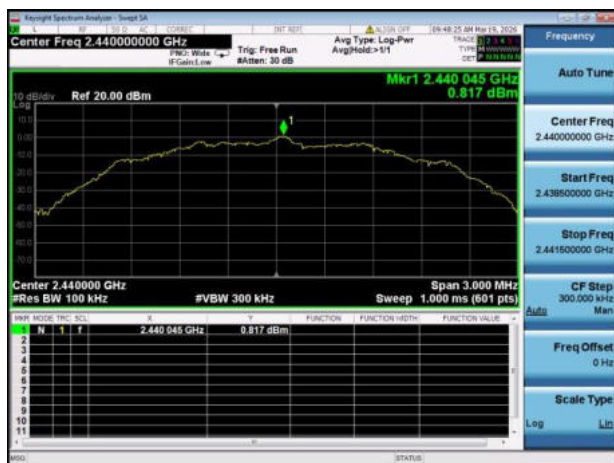
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

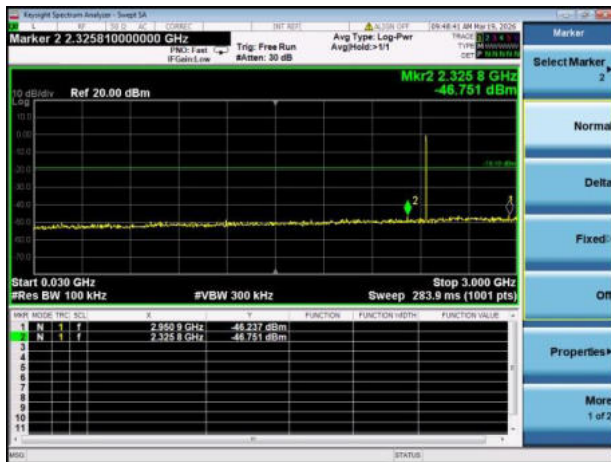
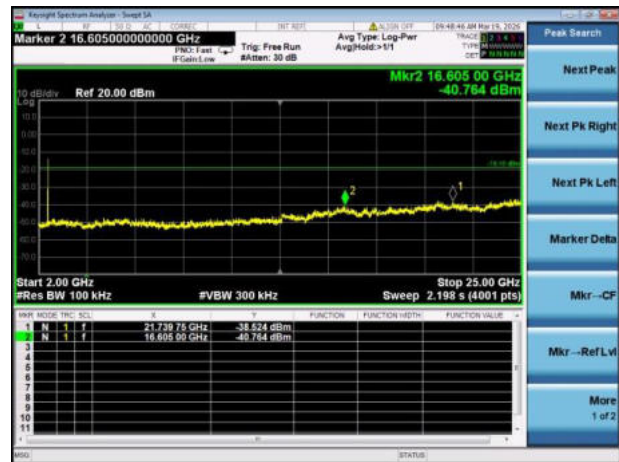
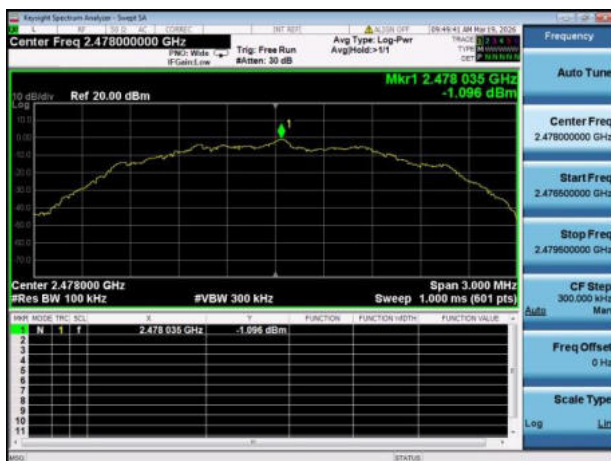
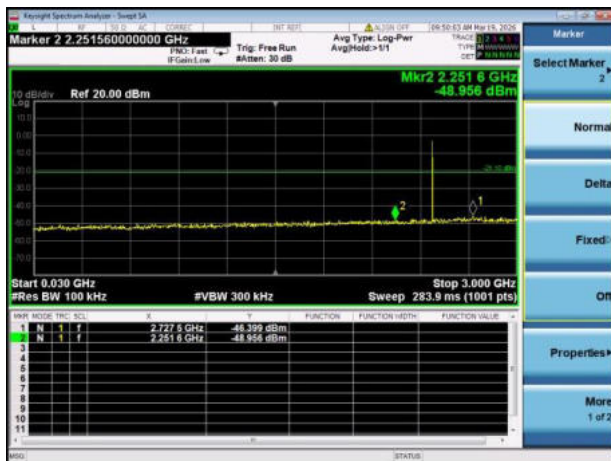
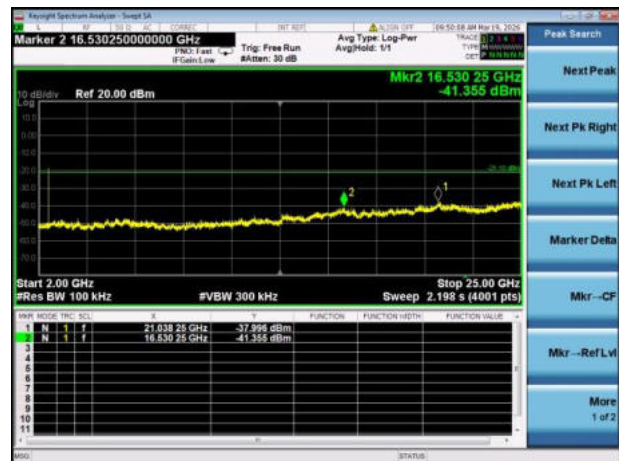


GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



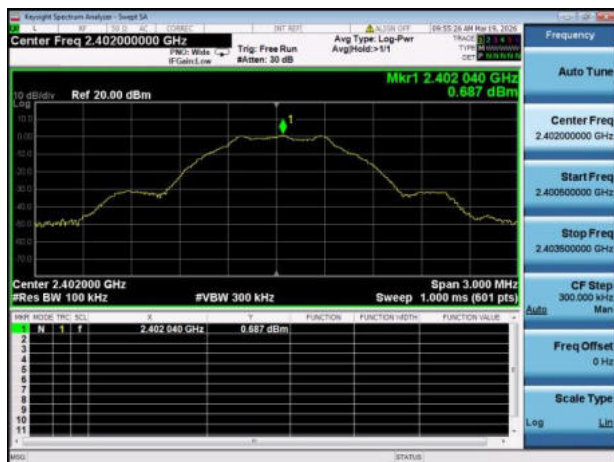
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



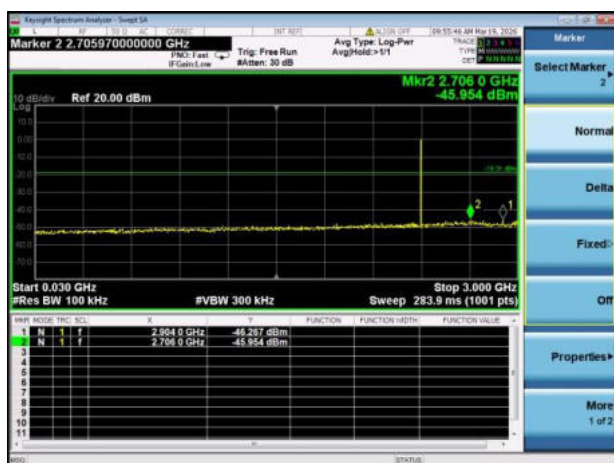
GFSK (BLE 2Mbps) MIDDLE CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 2Mbps) MIDDLE CHANNEL,
SPURIOUS 2 GHz ~ 25 GHzGFSK (BLE 2Mbps) HIGH CHANNEL,
CARRIER LEVELGFSK (BLE 2Mbps) HIGH CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 2Mbps) HIGH CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

ANT1

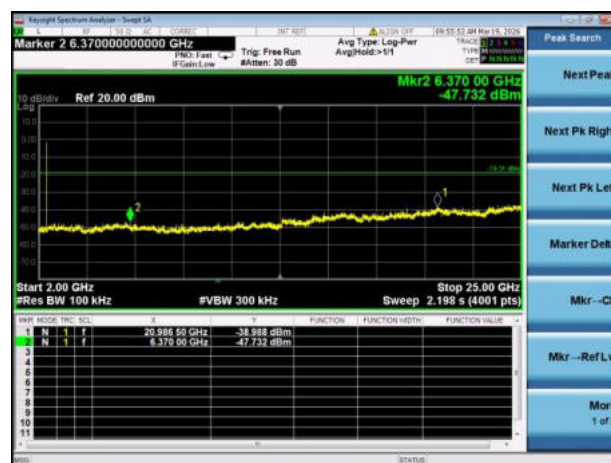
GFSK (BLE 1Mbps) LOW CHANNEL,
CARRIER LEVEL



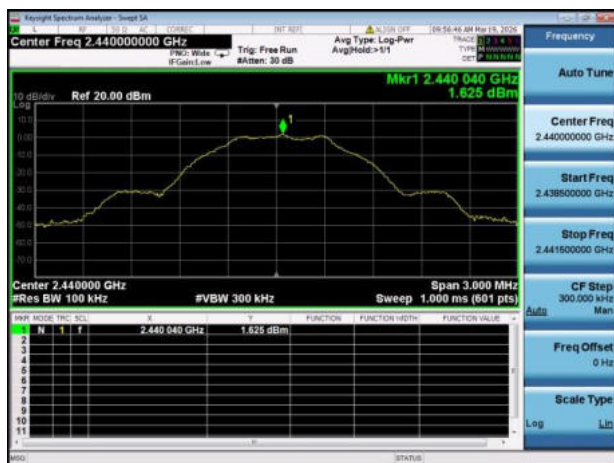
GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 30 MHz ~ 3 GHz

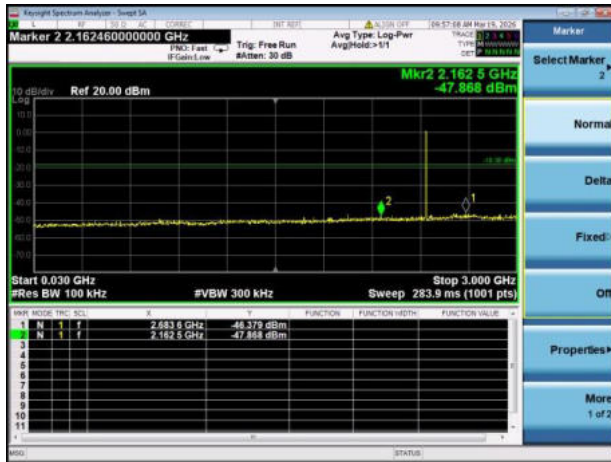
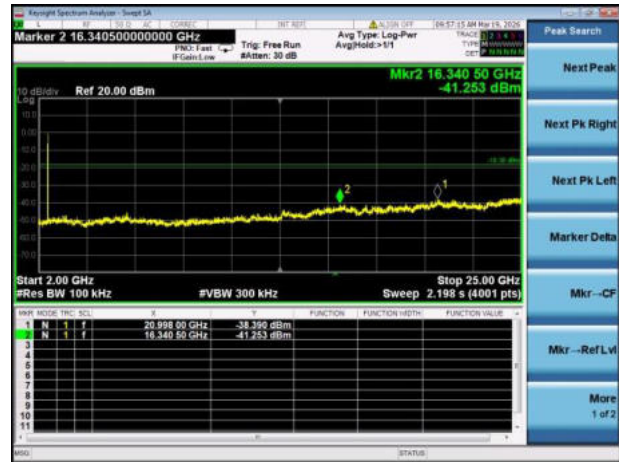
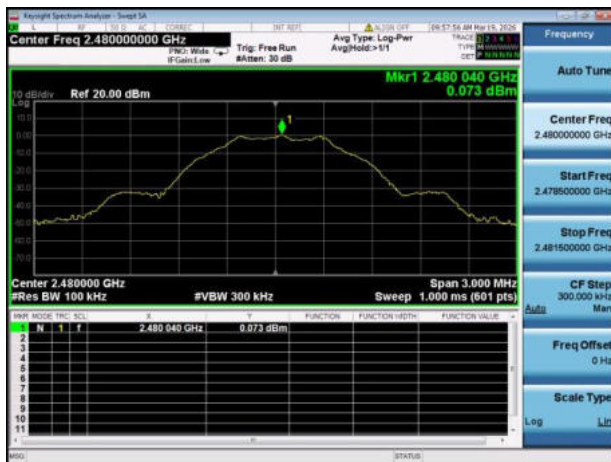
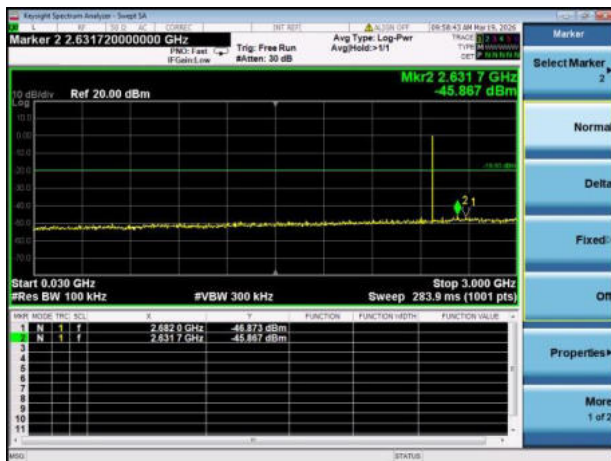
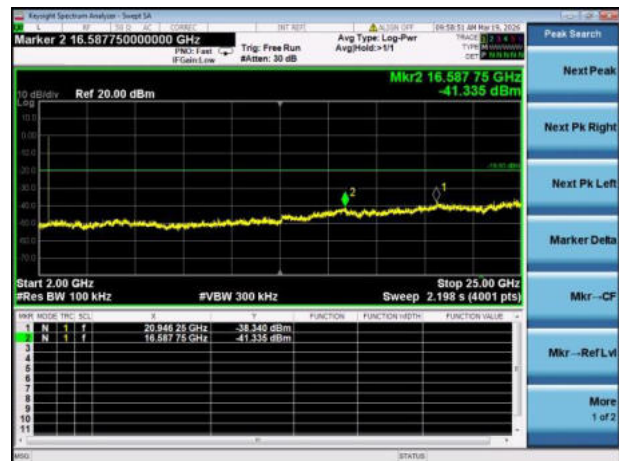


GFSK (BLE 1Mbps) LOW CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

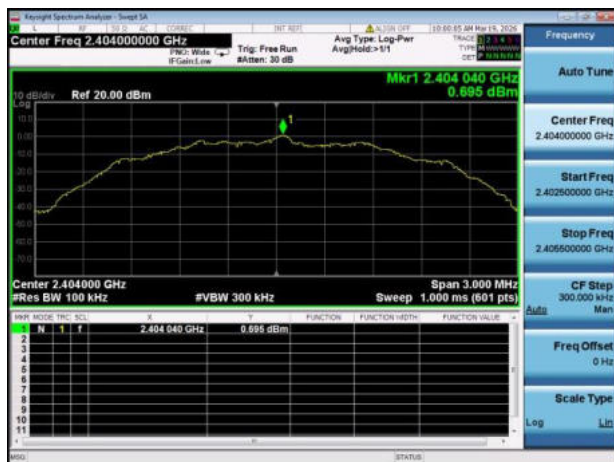


GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL

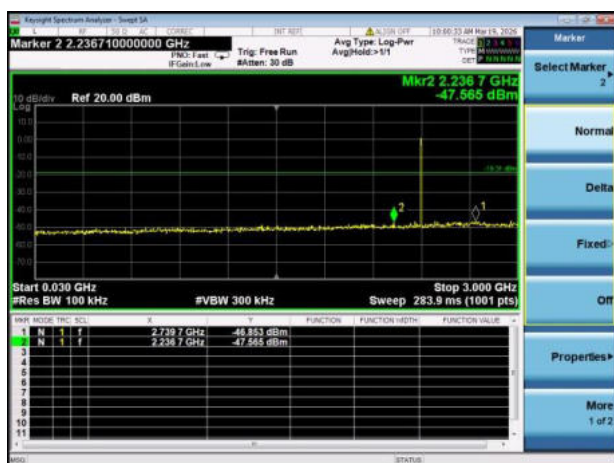


GFSK (BLE 1Mbps) MIDDLE CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 1Mbps) MIDDLE CHANNEL,
SPURIOUS 2 GHz ~ 25 GHzGFSK (BLE 1Mbps) HIGH CHANNEL,
CARRIER LEVELGFSK (BLE 1Mbps) HIGH CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 1Mbps) HIGH CHANNEL,
SPURIOUS 2 GHz ~ 25 GHz

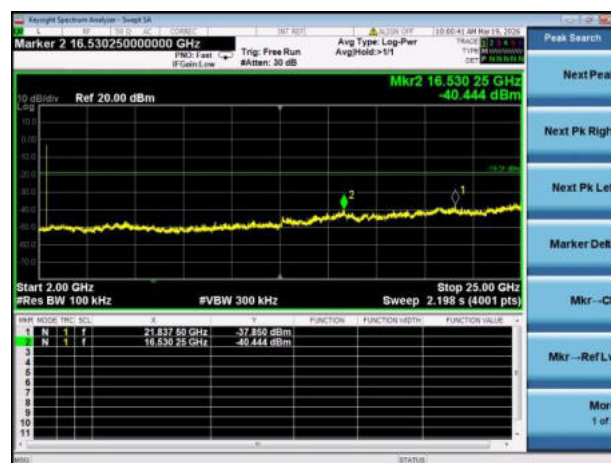
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



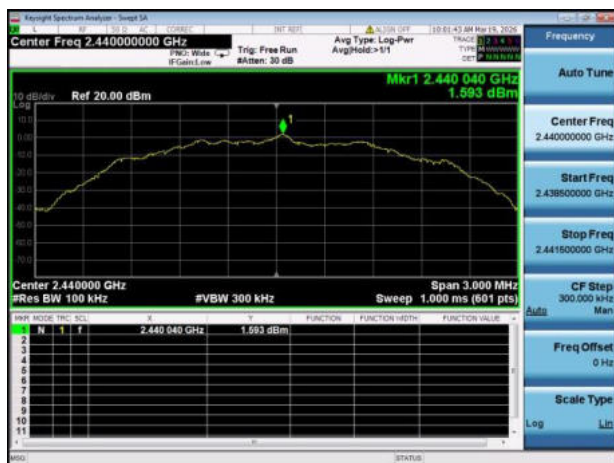
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

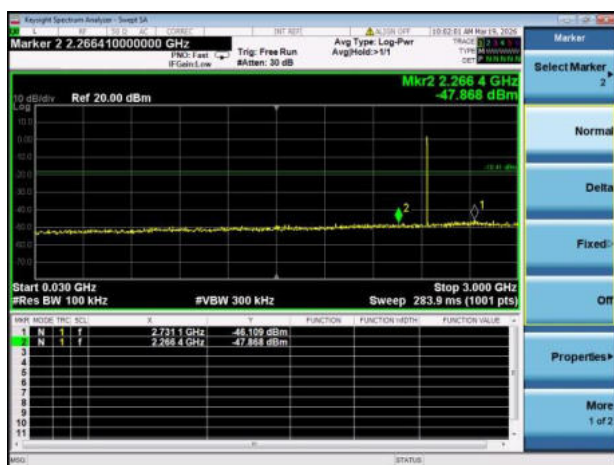
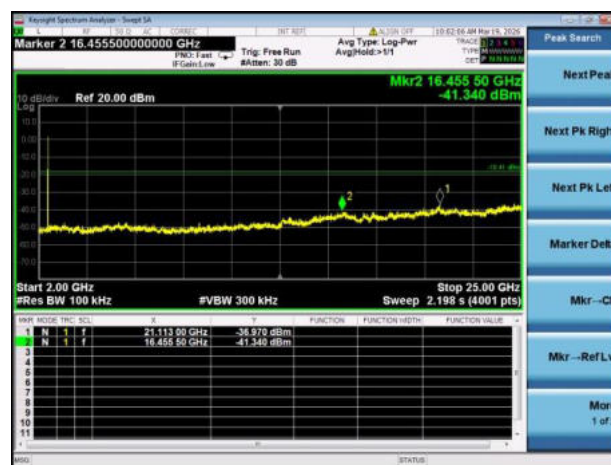
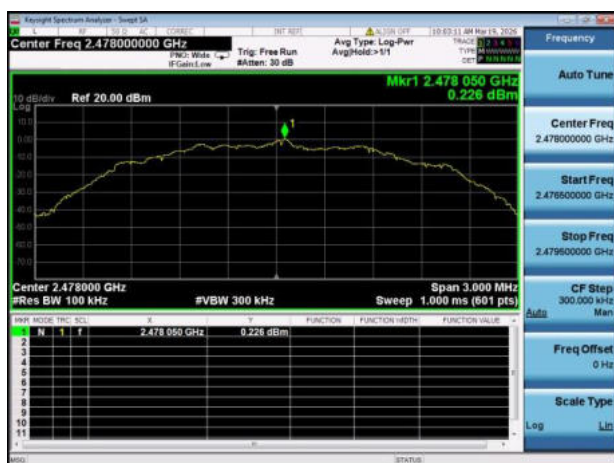
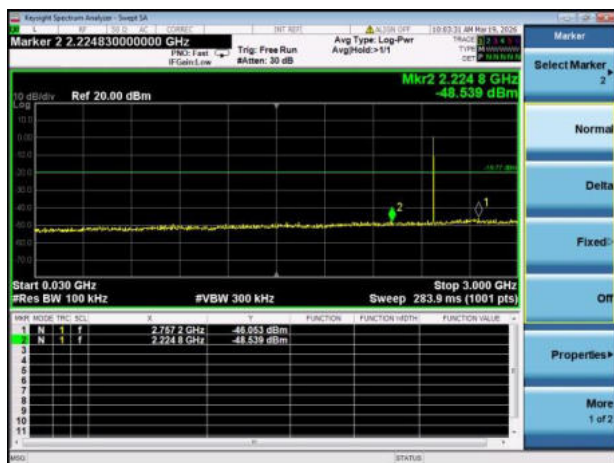
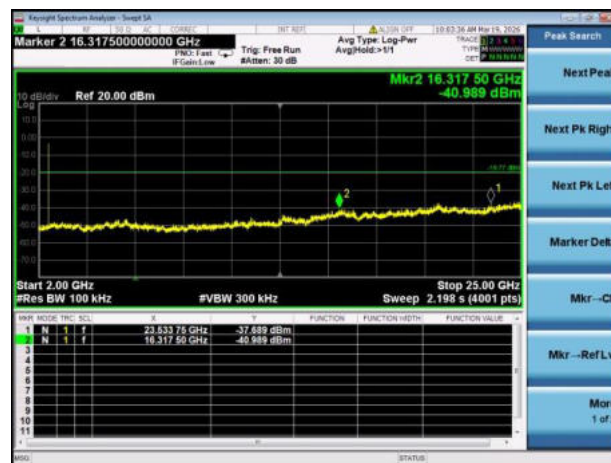


GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (BLE 2Mbps) MIDDLE CHANNEL,
SPURIOUS 2 GHz ~ 25 GHzGFSK (BLE 2Mbps) HIGH CHANNEL,
CARRIER LEVELGFSK (BLE 2Mbps) HIGH CHANNEL,
SPURIOUS 30 MHz ~ 3 GHzGFSK (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

ANT0

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.51	0.60	-19.40	Pass
High Channel	-46.22	-1.31	-21.31	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.24	0.70	-19.30	Pass
High Channel	-49.17	-1.10	-21.10	Pass

ANT1

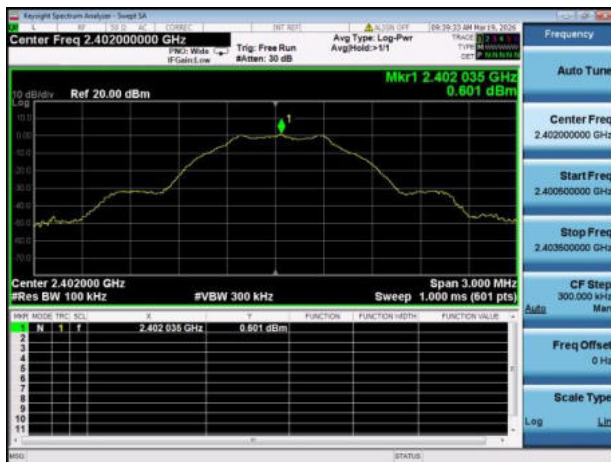
GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.10	0.69	-19.31	Pass
High Channel	-48.84	0.07	-19.93	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.77	0.70	-19.30	Pass
High Channel	-47.66	0.23	-19.77	Pass

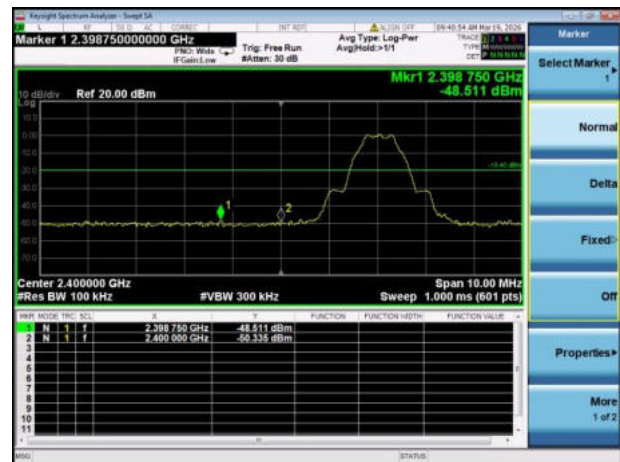
Test Plots

ANT0

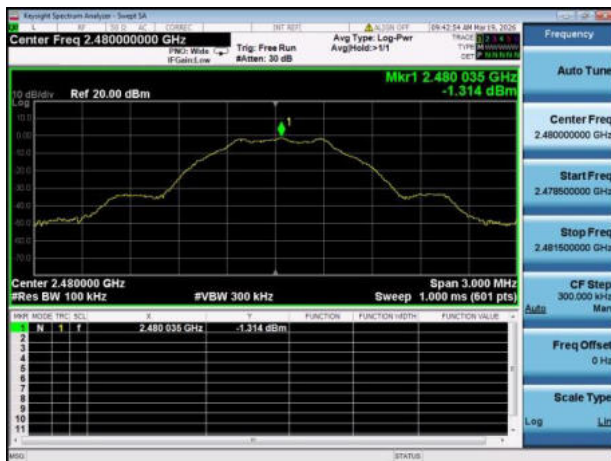
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



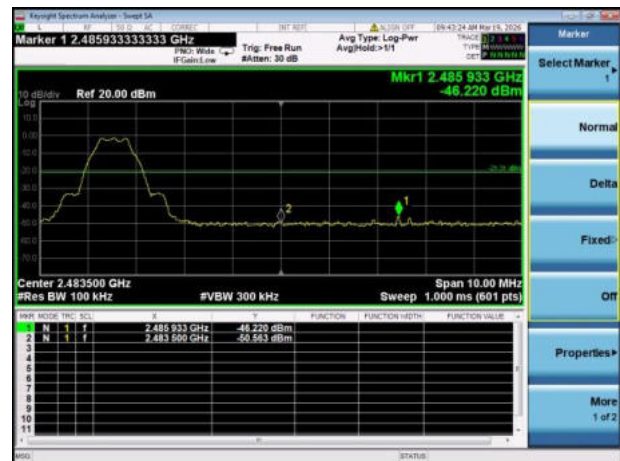
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



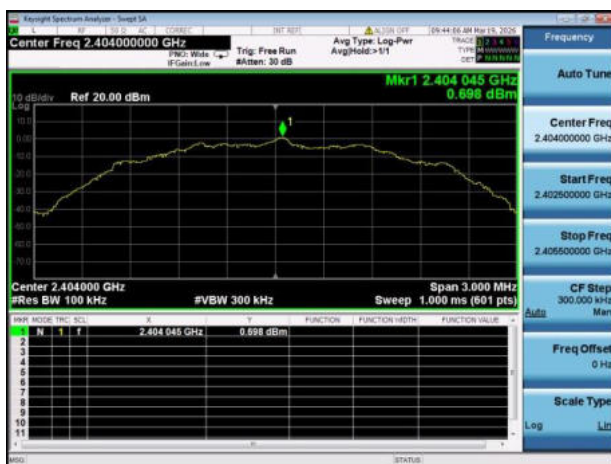
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



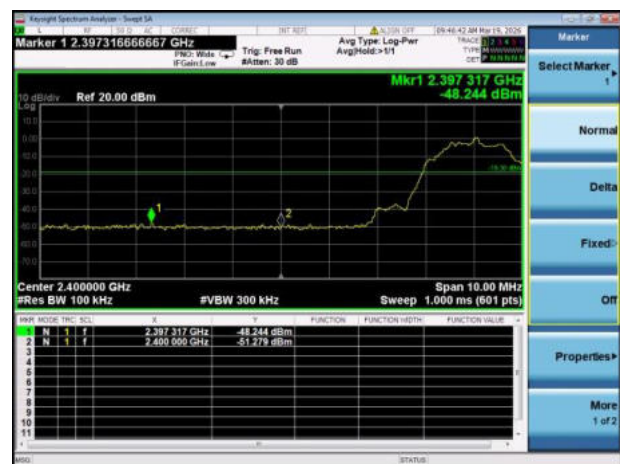
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



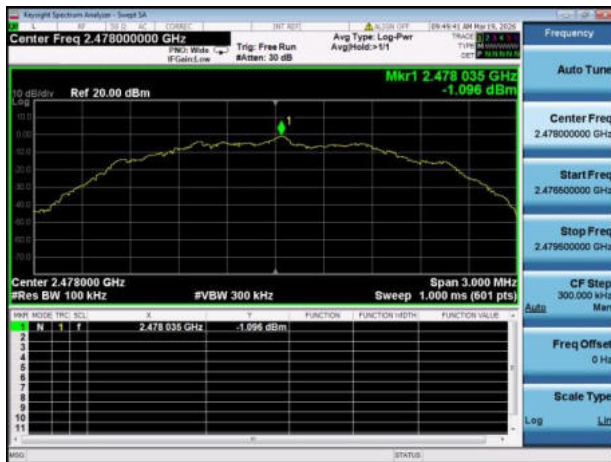
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



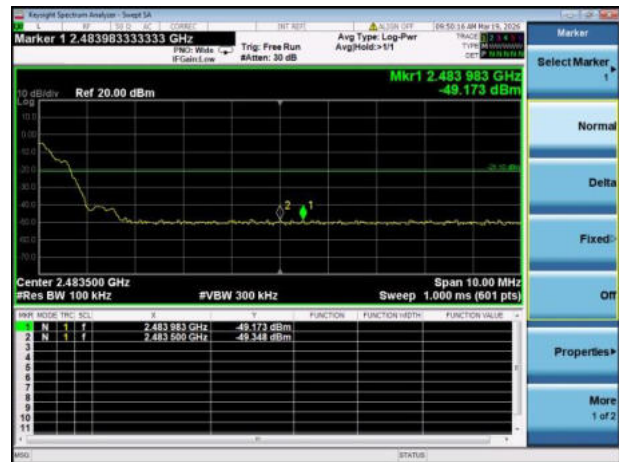
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL

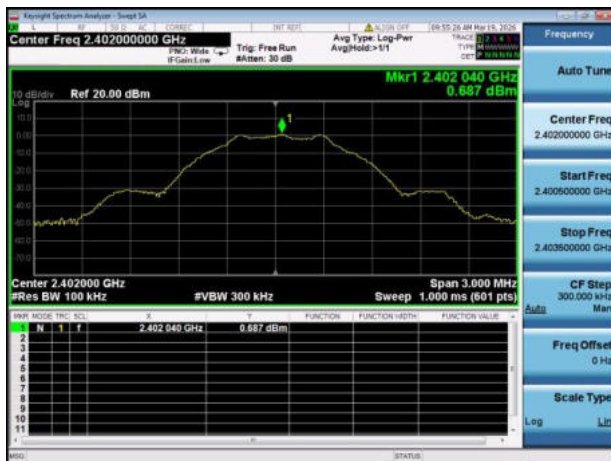


GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE

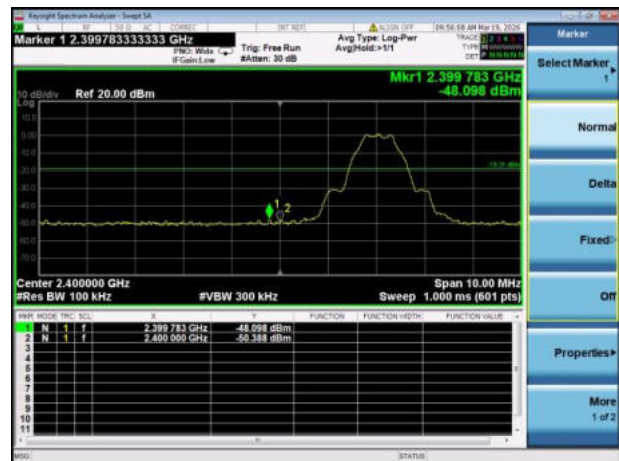


ANT1

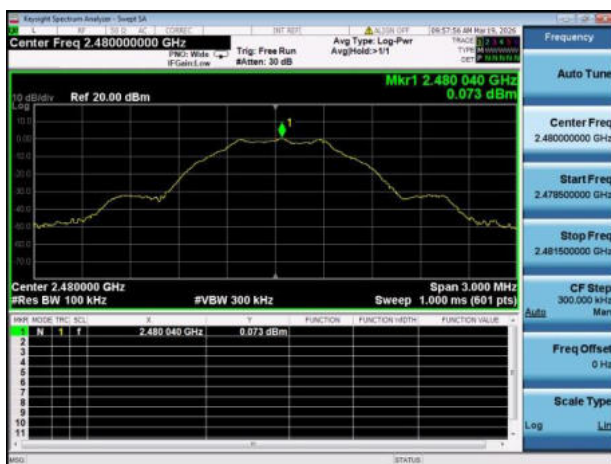
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



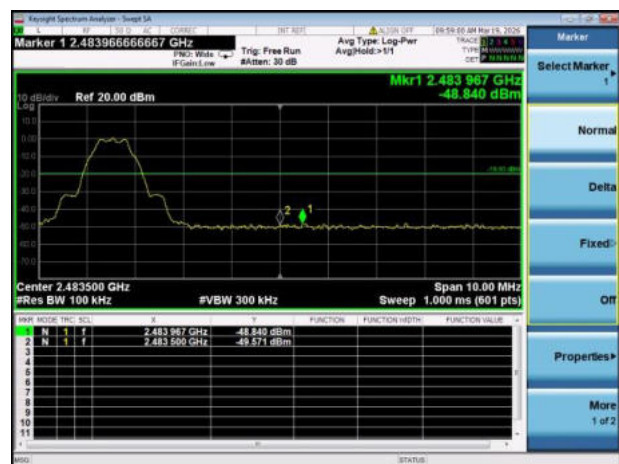
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



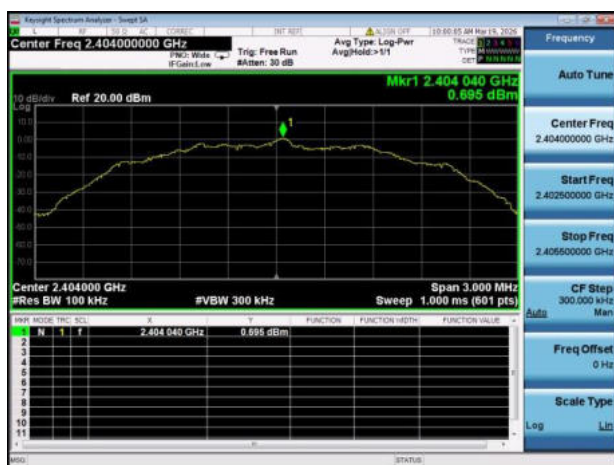
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



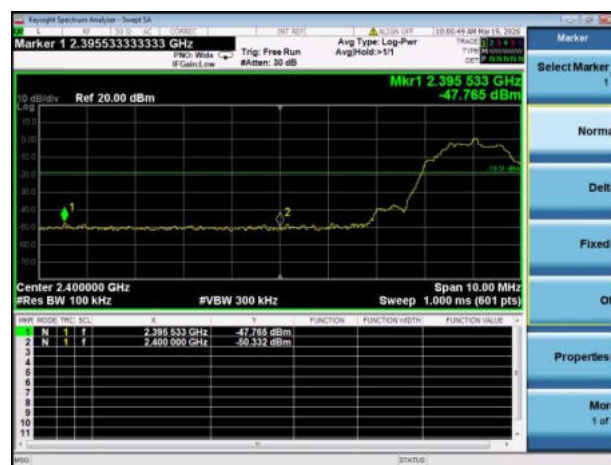
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



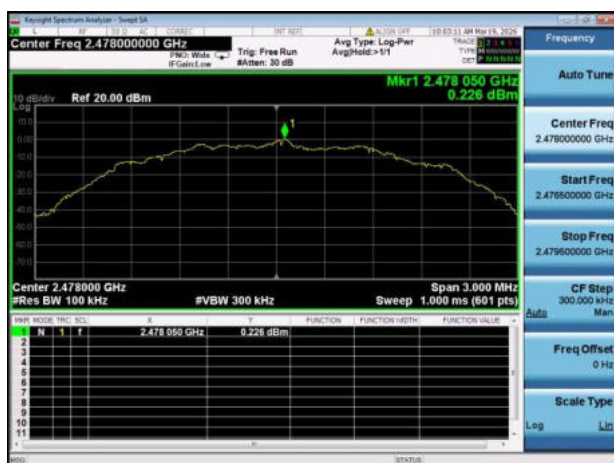
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



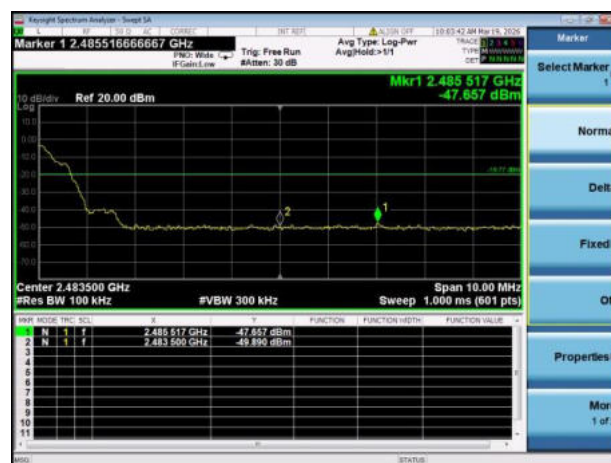
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

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

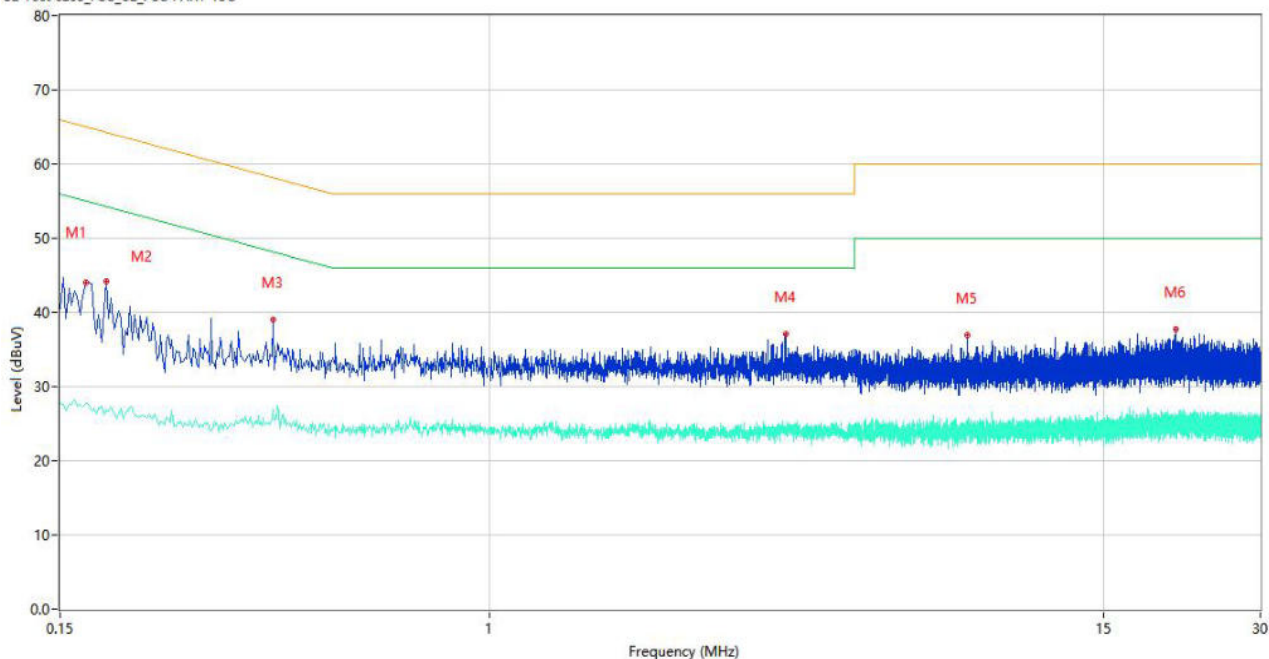
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

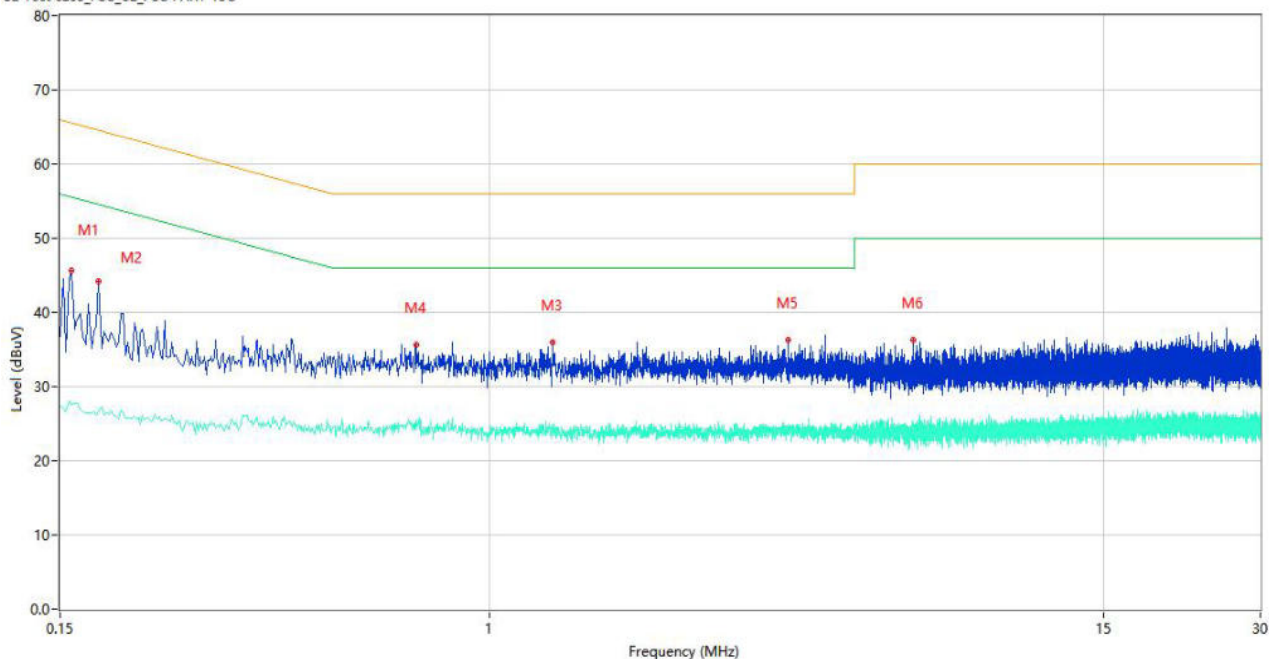
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.168	44.07	9.85	65.06	20.99	Peak	L	Pass
1**	0.168	27.77	9.85	55.06	27.29	AV	L	Pass
2	0.184	44.15	9.84	64.30	20.15	Peak	L	Pass
2**	0.184	26.98	9.84	54.30	27.32	AV	L	Pass
3	0.384	39.03	10.68	58.19	19.16	Peak	L	Pass
3**	0.384	26.88	10.68	48.19	21.31	AV	L	Pass
4	3.688	37.16	10.32	56.00	18.84	Peak	L	Pass
4**	3.688	24.48	10.32	46.00	21.52	AV	L	Pass
5	8.248	36.97	10.55	60.00	23.03	Peak	L	Pass
5**	8.248	24.00	10.55	50.00	26.00	AV	L	Pass
6	20.668	37.67	11.06	60.00	22.33	Peak	L	Pass
6**	20.668	25.59	11.06	50.00	24.41	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	45.63	9.86	65.57	19.94	Peak	N	Pass
1**	0.158	27.65	9.86	55.57	27.92	AV	N	Pass
2	0.178	44.17	9.85	64.58	20.41	Peak	N	Pass
2**	0.178	26.69	9.85	54.58	27.89	AV	N	Pass
3	1.318	36.00	10.38	56.00	20.00	Peak	N	Pass
3**	1.318	24.43	10.38	46.00	21.57	AV	N	Pass
4	0.724	35.64	10.47	56.00	20.36	Peak	N	Pass
4**	0.724	25.47	10.47	46.00	20.53	AV	N	Pass
5	3.724	36.32	10.42	56.00	19.68	Peak	N	Pass
5**	3.724	24.52	10.42	46.00	21.48	AV	N	Pass
6	6.474	36.33	10.29	60.00	23.67	Peak	N	Pass
6**	6.474	23.98	10.29	50.00	26.02	AV	N	Pass

A.6 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.

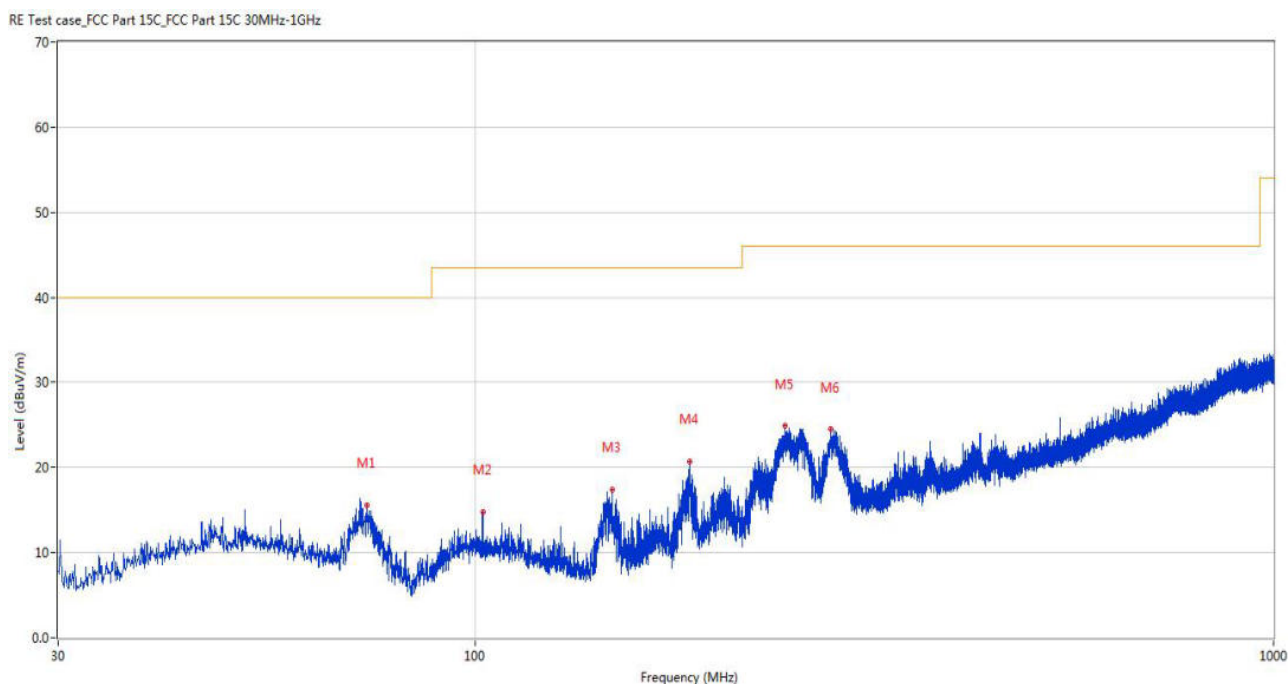
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-High channel mode is the worst

Note⁵: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

Test Data and Plots

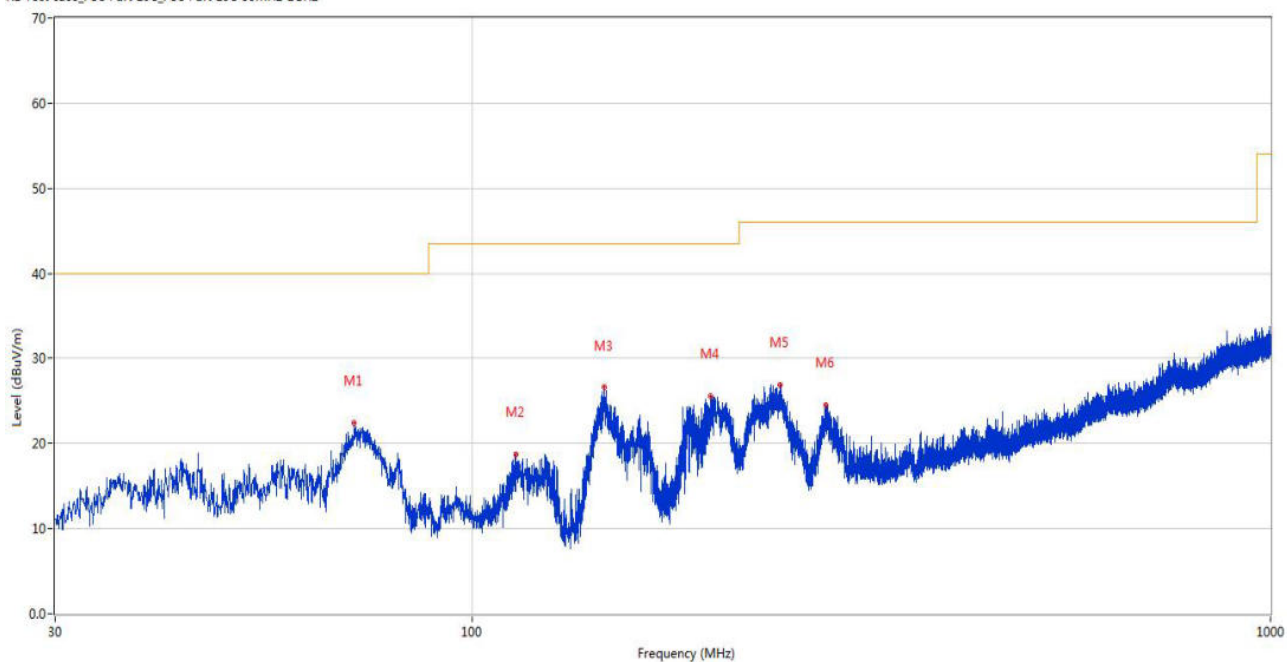
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	73.117	15.55	-29.24	40.0	24.45	Peak	22.40	100	Horizontal	Pass
2	102.119	14.77	-25.67	43.5	28.73	Peak	0.00	100	Horizontal	Pass
3	148.243	17.43	-28.79	43.5	26.07	Peak	126.70	100	Horizontal	Pass
4	185.346	20.66	-25.86	43.5	22.84	Peak	126.70	100	Horizontal	Pass
5	244.079	24.85	-23.07	46.0	21.15	Peak	109.40	100	Horizontal	Pass
6	278.562	24.46	-22.03	46.0	21.54	Peak	31.50	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	71.128	22.38	-28.70	40.0	17.62	Peak	89.60	100	Vertical	Pass
2	113.226	18.69	-26.09	43.5	24.81	Peak	145.00	100	Vertical	Pass
3	146.448	26.57	-28.81	43.5	16.93	Peak	230.00	100	Vertical	Pass
4	198.780	25.62	-24.26	43.5	17.88	Peak	159.80	100	Vertical	Pass
5	242.915	26.95	-23.13	46.0	19.05	Peak	0.00	100	Vertical	Pass
6	277.108	24.55	-22.08	46.0	21.45	Peak	212.60	100	Vertical	Pass

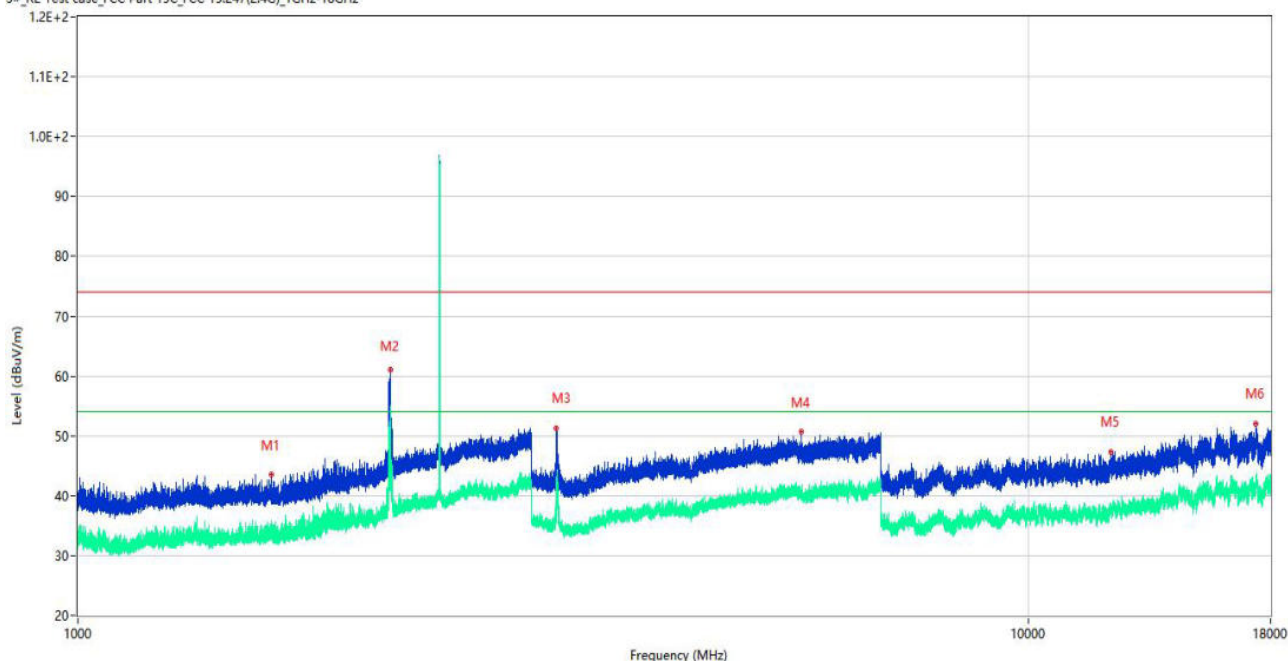
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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

ANT0

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

3#_RE Test case_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	1600.758	43.52	74.0	30.48	Peak	194.00	400	Horizontal	Pass
1**	1600.758	34.77	54.0	19.23	AV	194.00	400	Horizontal	Pass
2	2131.142	61.35	74.0	12.66	Peak	186.00	200	Horizontal	Pass
2**	2131.142	49.80	54.0	4.20	AV	186.00	200	Horizontal	Pass
3	3189.668	51.57	74.0	22.43	Peak	134.00	200	Horizontal	Pass
3**	3189.668	42.53	54.0	11.47	AV	134.00	200	Horizontal	Pass
4	5763.597	50.78	74.0	23.23	Peak	184.00	100	Horizontal	Pass
4**	5763.597	40.61	54.0	13.39	AV	184.00	100	Horizontal	Pass
5	12209.679	47.41	74.0	26.59	Peak	327.00	300	Horizontal	Pass
5**	12209.679	37.23	54.0	16.77	AV	327.00	300	Horizontal	Pass
6	17365.386	52.24	74.0	21.76	Peak	17.00	400	Horizontal	Pass
6**	17365.386	42.23	54.0	11.77	AV	17.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1532.926	45.95	74.0	28.05	Peak	252.00	200	Vertical	Pass
1**	1532.926	36.21	54.0	17.80	AV	252.00	200	Vertical	Pass
2	2124.480	60.32	74.0	13.68	Peak	89.00	200	Vertical	Pass
2**	2124.480	47.36	54.0	6.64	AV	89.00	200	Vertical	Pass
3	3198.500	56.39	74.0	17.61	Peak	127.00	200	Vertical	Pass
3**	3198.500	45.32	54.0	8.68	AV	127.00	200	Vertical	Pass
4	6377.950	53.84	74.0	20.16	Peak	117.00	200	Vertical	Pass
4**	6377.950	41.92	54.0	12.08	AV	117.00	200	Vertical	Pass
5	12322.798	47.44	74.0	26.56	Peak	231.00	100	Vertical	Pass
5**	12322.798	37.85	54.0	16.15	AV	231.00	100	Vertical	Pass
6	17397.153	51.71	74.0	22.29	Peak	129.00	200	Vertical	Pass
6**	17397.153	43.05	54.0	10.95	AV	129.00	200	Vertical	Pass

GFSK (BLE 1Mbps) 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	1597.812	43.07	74.0	30.93	Peak	29.00	100	Horizontal	Pass
1**	1597.812	34.49	54.0	19.51	AV	29.00	100	Horizontal	Pass
2	2133.406	60.70	74.0	13.31	Peak	221.00	400	Horizontal	Pass
2**	2133.406	48.91	54.0	5.09	AV	221.00	400	Horizontal	Pass
3	3187.220	51.30	74.0	22.70	Peak	319.00	200	Horizontal	Pass
3**	3187.220	41.55	54.0	12.45	AV	319.00	200	Horizontal	Pass
4	5766.696	50.48	74.0	23.53	Peak	144.00	400	Horizontal	Pass
4**	5766.696	40.07	54.0	13.93	AV	144.00	400	Horizontal	Pass
5	12212.053	47.04	74.0	26.96	Peak	343.00	100	Horizontal	Pass
5**	12212.053	36.68	54.0	17.32	AV	343.00	100	Horizontal	Pass
6	17368.064	51.47	74.0	22.53	Peak	299.00	200	Horizontal	Pass
6**	17368.064	41.38	54.0	12.62	AV	299.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1534.392	45.56	74.0	28.44	Peak	163.00	100	Vertical	Pass
1**	1534.392	35.88	54.0	18.13	AV	163.00	100	Vertical	Pass
2	2124.388	60.17	74.0	13.83	Peak	334.00	100	Vertical	Pass
2**	2124.388	46.66	54.0	7.34	AV	334.00	100	Vertical	Pass
3	3198.746	56.10	74.0	17.90	Peak	316.00	200	Vertical	Pass
3**	3198.746	45.22	54.0	8.78	AV	316.00	200	Vertical	Pass
4	6384.139	53.66	74.0	20.34	Peak	356.00	100	Vertical	Pass
4**	6384.139	41.06	54.0	12.94	AV	356.00	100	Vertical	Pass
5	12326.773	47.19	74.0	26.81	Peak	229.00	100	Vertical	Pass
5**	12326.773	37.07	54.0	16.93	AV	229.00	100	Vertical	Pass
6	17396.021	51.58	74.0	22.42	Peak	149.00	400	Vertical	Pass
6**	17396.021	42.29	54.0	11.71	AV	149.00	400	Vertical	Pass

GFSK (BLE 1Mbps) 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	1602.136	42.88	74.0	31.12	Peak	91.00	400	Horizontal	Pass
1**	1602.136	34.22	54.0	19.78	AV	91.00	400	Horizontal	Pass
2	2129.609	61.07	74.0	12.94	Peak	297.00	300	Horizontal	Pass
2**	2129.609	49.66	54.0	4.34	AV	297.00	300	Horizontal	Pass
3	3191.314	51.18	74.0	22.82	Peak	87.00	200	Horizontal	Pass
3**	3191.314	41.73	54.0	12.27	AV	87.00	200	Horizontal	Pass
4	5764.917	50.59	74.0	23.42	Peak	81.00	300	Horizontal	Pass
4**	5764.917	39.94	54.0	14.06	AV	81.00	300	Horizontal	Pass
5	12208.400	46.88	74.0	27.12	Peak	285.00	200	Horizontal	Pass
5**	12208.400	36.40	54.0	17.60	AV	285.00	200	Horizontal	Pass
6	17367.073	51.32	74.0	22.68	Peak	67.00	100	Horizontal	Pass
6**	17367.073	42.05	54.0	11.95	AV	67.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1532.206	45.86	74.0	28.14	Peak	357.00	100	Vertical	Pass
1**	1532.206	36.19	54.0	17.81	AV	357.00	100	Vertical	Pass
2	2125.081	60.31	74.0	13.69	Peak	1.00	300	Vertical	Pass
2**	2125.081	47.36	54.0	6.64	AV	1.00	300	Vertical	Pass
3	3193.155	56.31	74.0	17.69	Peak	57.00	200	Vertical	Pass
3**	3193.155	45.26	54.0	8.74	AV	57.00	200	Vertical	Pass
4	6379.320	53.78	74.0	20.22	Peak	347.00	200	Vertical	Pass
4**	6379.320	41.85	54.0	12.15	AV	347.00	200	Vertical	Pass
5	12330.036	47.37	74.0	26.63	Peak	141.00	100	Vertical	Pass
5**	12330.036	37.85	54.0	16.15	AV	141.00	100	Vertical	Pass
6	17397.890	51.63	74.0	22.37	Peak	340.00	300	Vertical	Pass
6**	17397.890	42.99	54.0	11.01	AV	340.00	300	Vertical	Pass

GFSK (BLE 2Mbps) 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	1285.648	42.52	74.0	31.48	Peak	39.00	200	Horizontal	Pass
1**	1285.648	34.59	54.0	19.41	AV	39.00	200	Horizontal	Pass
2	2766.869	60.36	74.0	13.65	Peak	231.00	200	Horizontal	Pass
2**	2766.869	49.26	54.0	4.74	AV	231.00	200	Horizontal	Pass
3	5165.505	51.44	74.0	22.56	Peak	277.00	200	Horizontal	Pass
3**	5165.505	41.58	54.0	12.42	AV	277.00	200	Horizontal	Pass
4	6804.781	50.68	74.0	23.33	Peak	156.00	400	Horizontal	Pass
4**	6804.781	40.25	54.0	13.75	AV	156.00	400	Horizontal	Pass
5	13464.106	47.33	74.0	26.67	Peak	28.00	300	Horizontal	Pass
5**	13464.106	36.71	54.0	17.29	AV	28.00	300	Horizontal	Pass
6	17468.805	51.70	74.0	22.30	Peak	227.00	200	Horizontal	Pass
6**	17468.805	41.62	54.0	12.38	AV	227.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1282.620	45.90	74.0	28.10	Peak	121.00	300	Vertical	Pass
1**	1282.620	36.11	54.0	17.89	AV	121.00	300	Vertical	Pass
2	2772.361	60.24	74.0	13.76	Peak	337.00	200	Vertical	Pass
2**	2772.361	47.33	54.0	6.67	AV	337.00	200	Vertical	Pass
3	5170.549	56.34	74.0	17.67	Peak	131.00	200	Vertical	Pass
3**	5170.549	45.29	54.0	8.71	AV	131.00	200	Vertical	Pass
4	6804.476	53.83	74.0	20.17	Peak	82.00	100	Vertical	Pass
4**	6804.476	41.90	54.0	12.10	AV	82.00	100	Vertical	Pass
5	13463.253	47.38	74.0	26.62	Peak	274.00	100	Vertical	Pass
5**	13463.253	37.82	54.0	16.18	AV	274.00	100	Vertical	Pass
6	17463.499	51.63	74.0	22.37	Peak	351.00	200	Vertical	Pass
6**	17463.499	42.97	54.0	11.03	AV	351.00	200	Vertical	Pass

GFSK (BLE 2Mbps) 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	1284.966	42.81	74.0	31.19	Peak	128.00	100	Horizontal	Pass
1**	1284.966	34.67	54.0	19.33	AV	128.00	100	Horizontal	Pass
2	2769.029	60.67	74.0	13.34	Peak	336.00	100	Horizontal	Pass
2**	2769.029	49.71	54.0	4.29	AV	336.00	100	Horizontal	Pass
3	5168.675	51.47	74.0	22.53	Peak	145.00	200	Horizontal	Pass
3**	5168.675	41.93	54.0	12.07	AV	145.00	200	Horizontal	Pass
4	6808.940	50.11	74.0	23.90	Peak	256.00	300	Horizontal	Pass
4**	6808.940	40.29	54.0	13.71	AV	256.00	300	Horizontal	Pass
5	13463.181	46.88	74.0	27.12	Peak	241.00	400	Horizontal	Pass
5**	13463.181	36.76	54.0	17.24	AV	241.00	400	Horizontal	Pass
6	17466.315	51.74	74.0	22.26	Peak	271.00	100	Horizontal	Pass
6**	17466.315	41.98	54.0	12.02	AV	271.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1283.121	45.88	74.0	28.12	Peak	31.00	400	Vertical	Pass
1**	1283.121	36.15	54.0	17.85	AV	31.00	400	Vertical	Pass
2	2772.603	60.26	74.0	13.74	Peak	40.00	100	Vertical	Pass
2**	2772.603	47.34	54.0	6.66	AV	40.00	100	Vertical	Pass
3	5170.242	56.38	74.0	17.62	Peak	3.00	200	Vertical	Pass
3**	5170.242	45.29	54.0	8.71	AV	3.00	200	Vertical	Pass
4	6807.510	53.79	74.0	20.21	Peak	148.00	200	Vertical	Pass
4**	6807.510	41.87	54.0	12.13	AV	148.00	200	Vertical	Pass
5	13468.235	47.39	74.0	26.61	Peak	330.00	300	Vertical	Pass
5**	13468.235	37.79	54.0	16.21	AV	330.00	300	Vertical	Pass
6	17469.917	51.69	74.0	22.31	Peak	315.00	200	Vertical	Pass
6**	17469.917	42.98	54.0	11.02	AV	315.00	200	Vertical	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

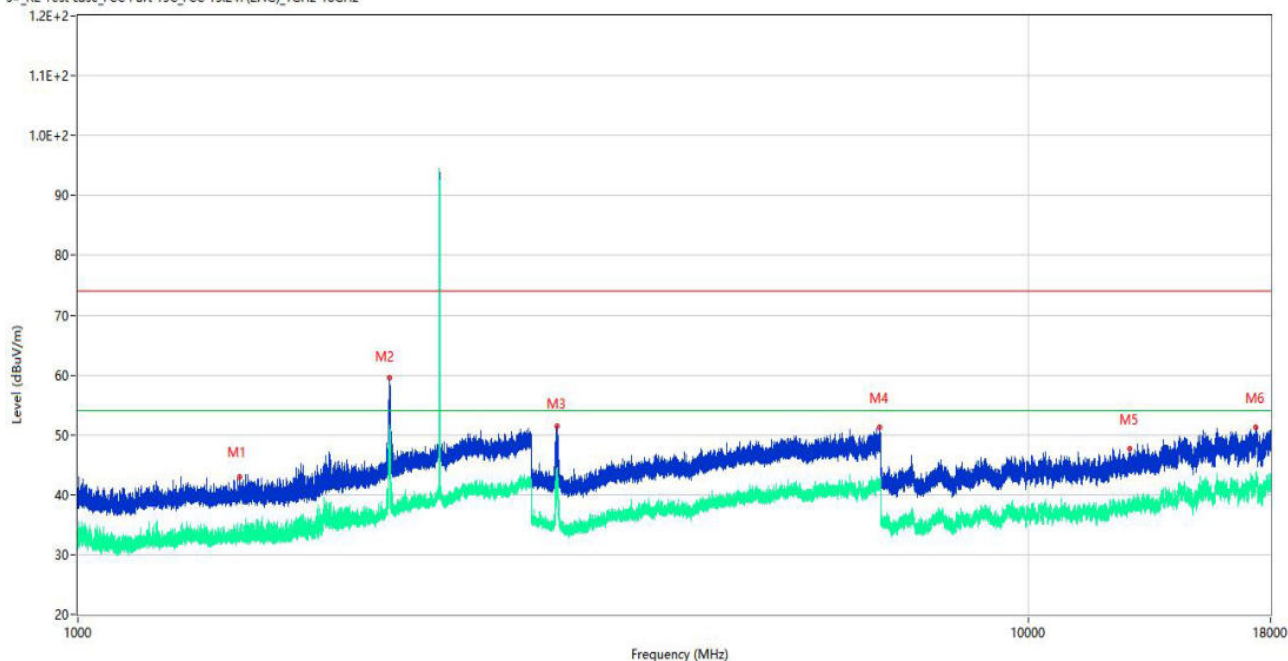
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1282.301	42.66	74.0	31.34	Peak	104.00	100	Horizontal	Pass
1**	1282.301	34.51	54.0	19.49	AV	104.00	100	Horizontal	Pass
2	2769.838	60.52	74.0	13.49	Peak	326.00	100	Horizontal	Pass
2**	2769.838	49.20	54.0	4.80	AV	326.00	100	Horizontal	Pass
3	5395.521	50.82	74.0	23.18	Peak	2.00	200	Horizontal	Pass
3**	5395.521	42.43	54.0	11.57	AV	2.00	200	Horizontal	Pass
4	6515.452	50.45	74.0	23.56	Peak	319.00	300	Horizontal	Pass
4**	6515.452	39.99	54.0	14.01	AV	319.00	300	Horizontal	Pass
5	13352.167	46.51	74.0	27.49	Peak	140.00	100	Horizontal	Pass
5**	13352.167	36.56	54.0	17.44	AV	140.00	100	Horizontal	Pass
6	17437.859	51.91	74.0	22.09	Peak	264.00	400	Horizontal	Pass
6**	17437.859	41.61	54.0	12.39	AV	264.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1288.688	45.91	74.0	28.10	Peak	253.00	300	Vertical	Pass
1**	1288.688	36.20	54.0	17.80	AV	253.00	300	Vertical	Pass
2	2771.788	60.27	74.0	13.73	Peak	7.00	300	Vertical	Pass
2**	2771.788	47.27	54.0	6.73	AV	7.00	300	Vertical	Pass
3	5288.673	56.33	74.0	17.67	Peak	247.00	200	Vertical	Pass
3**	5288.673	45.28	54.0	8.72	AV	247.00	200	Vertical	Pass
4	6655.034	53.84	74.0	20.16	Peak	229.00	200	Vertical	Pass
4**	6655.034	41.86	54.0	12.14	AV	229.00	200	Vertical	Pass
5	13305.498	47.38	74.0	26.62	Peak	177.00	100	Vertical	Pass
5**	13305.498	37.84	54.0	16.16	AV	177.00	100	Vertical	Pass
6	17421.424	51.62	74.0	22.38	Peak	98.00	300	Vertical	Pass
6**	17421.424	43.04	54.0	10.96	AV	98.00	300	Vertical	Pass

ANT1**GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H**

3#_RE Test case_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	1479.664	43.20	74.0	30.80	Peak	88.00	200	Horizontal	Pass
1**	1479.664	32.16	54.0	21.84	AV	88.00	200	Horizontal	Pass
2	2130.104	59.83	74.0	14.17	Peak	354.00	400	Horizontal	Pass
2**	2130.104	50.08	54.0	3.92	AV	354.00	400	Horizontal	Pass
3	3191.334	51.78	74.0	22.22	Peak	133.00	200	Horizontal	Pass
3**	3191.334	43.87	54.0	10.13	AV	133.00	200	Horizontal	Pass
4	6981.011	51.36	74.0	22.64	Peak	153.00	100	Horizontal	Pass
4**	6981.011	41.96	54.0	12.05	AV	153.00	100	Horizontal	Pass
5	12787.666	47.89	74.0	26.11	Peak	121.00	400	Horizontal	Pass
5**	12787.666	38.56	54.0	15.44	AV	121.00	400	Horizontal	Pass
6	17380.390	51.23	74.0	22.77	Peak	273.00	200	Horizontal	Pass
6**	17380.390	41.80	54.0	12.20	AV	273.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1534.535	46.04	74.0	27.96	Peak	125.00	200	Vertical	Pass
1**	1534.535	36.21	54.0	17.80	AV	125.00	200	Vertical	Pass
2	2124.565	60.42	74.0	13.58	Peak	325.00	300	Vertical	Pass
2**	2124.565	47.28	54.0	6.72	AV	325.00	300	Vertical	Pass
3	3196.284	56.24	74.0	17.76	Peak	245.00	200	Vertical	Pass
3**	3196.284	45.31	54.0	8.69	AV	245.00	200	Vertical	Pass
4	6379.674	53.85	74.0	20.15	Peak	150.00	100	Vertical	Pass
4**	6379.674	41.92	54.0	12.08	AV	150.00	100	Vertical	Pass
5	12324.536	47.41	74.0	26.59	Peak	254.00	400	Vertical	Pass
5**	12324.536	37.84	54.0	16.16	AV	254.00	400	Vertical	Pass
6	17396.937	51.65	74.0	22.35	Peak	197.00	300	Vertical	Pass
6**	17396.937	42.79	54.0	11.22	AV	197.00	300	Vertical	Pass

GFSK (BLE 1Mbps) 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	1479.668	42.66	74.0	31.34	Peak	274.00	300	Horizontal	Pass
1**	1479.668	31.98	54.0	22.02	AV	274.00	300	Horizontal	Pass
2	2129.817	58.94	74.0	15.06	Peak	173.00	400	Horizontal	Pass
2**	2129.817	49.65	54.0	4.35	AV	173.00	400	Horizontal	Pass
3	3195.361	51.49	74.0	22.51	Peak	46.00	200	Horizontal	Pass
3**	3195.361	43.01	54.0	10.99	AV	46.00	200	Horizontal	Pass
4	6979.532	50.66	74.0	23.34	Peak	275.00	200	Horizontal	Pass
4**	6979.532	41.76	54.0	12.25	AV	275.00	200	Horizontal	Pass
5	12788.950	47.43	74.0	26.57	Peak	151.00	300	Horizontal	Pass
5**	12788.950	37.79	54.0	16.21	AV	151.00	300	Horizontal	Pass
6	17383.398	50.30	74.0	23.70	Peak	204.00	100	Horizontal	Pass
6**	17383.398	40.97	54.0	13.03	AV	204.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1533.553	45.08	74.0	28.92	Peak	326.00	100	Vertical	Pass
1**	1533.553	35.37	54.0	18.64	AV	326.00	100	Vertical	Pass
2	2128.102	59.65	74.0	14.35	Peak	3.00	300	Vertical	Pass
2**	2128.102	46.83	54.0	7.17	AV	3.00	300	Vertical	Pass
3	3194.615	55.68	74.0	18.32	Peak	286.00	200	Vertical	Pass
3**	3194.615	44.43	54.0	9.57	AV	286.00	200	Vertical	Pass
4	6383.231	53.53	74.0	20.47	Peak	222.00	400	Vertical	Pass
4**	6383.231	40.93	54.0	13.07	AV	222.00	400	Vertical	Pass
5	12328.211	46.66	74.0	27.34	Peak	227.00	300	Vertical	Pass
5**	12328.211	37.28	54.0	16.72	AV	227.00	300	Vertical	Pass
6	17398.453	51.62	74.0	22.38	Peak	26.00	400	Vertical	Pass
6**	17398.453	42.48	54.0	11.53	AV	26.00	400	Vertical	Pass

GFSK (BLE 1Mbps) 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	1476.775	42.70	74.0	31.30	Peak	71.00	400	Horizontal	Pass
1**	1476.775	31.22	54.0	22.78	AV	71.00	400	Horizontal	Pass
2	2128.674	59.07	74.0	14.93	Peak	56.00	400	Horizontal	Pass
2**	2128.674	49.81	54.0	4.19	AV	56.00	400	Horizontal	Pass
3	3196.262	51.58	74.0	22.42	Peak	350.00	200	Horizontal	Pass
3**	3196.262	42.87	54.0	11.13	AV	350.00	200	Horizontal	Pass
4	6980.925	50.65	74.0	23.35	Peak	231.00	400	Horizontal	Pass
4**	6980.925	41.39	54.0	12.62	AV	231.00	400	Horizontal	Pass
5	12792.190	47.36	74.0	26.64	Peak	356.00	100	Horizontal	Pass
5**	12792.190	38.29	54.0	15.71	AV	356.00	100	Horizontal	Pass
6	17379.714	50.61	74.0	23.39	Peak	267.00	400	Horizontal	Pass
6**	17379.714	41.67	54.0	12.33	AV	267.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) 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	1530.542	46.00	74.0	28.00	Peak	190.00	400	Vertical	Pass
1**	1530.542	36.14	54.0	17.86	AV	190.00	400	Vertical	Pass
2	2126.808	60.35	74.0	13.66	Peak	245.00	100	Vertical	Pass
2**	2126.808	47.21	54.0	6.80	AV	245.00	100	Vertical	Pass
3	3192.388	56.15	74.0	17.85	Peak	232.00	200	Vertical	Pass
3**	3192.388	45.26	54.0	8.74	AV	232.00	200	Vertical	Pass
4	6385.078	53.81	74.0	20.19	Peak	294.00	100	Vertical	Pass
4**	6385.078	41.83	54.0	12.17	AV	294.00	100	Vertical	Pass
5	12329.235	47.40	74.0	26.60	Peak	74.00	300	Vertical	Pass
5**	12329.235	37.77	54.0	16.24	AV	74.00	300	Vertical	Pass
6	17391.976	51.60	74.0	22.40	Peak	146.00	400	Vertical	Pass
6**	17391.976	42.71	54.0	11.29	AV	146.00	400	Vertical	Pass

GFSK (BLE 2Mbps) 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	1289.229	43.19	74.0	30.81	Peak	97.00	200	Horizontal	Pass
1**	1289.229	31.35	54.0	22.65	AV	97.00	200	Horizontal	Pass
2	2766.775	59.19	74.0	14.81	Peak	297.00	300	Horizontal	Pass
2**	2766.775	49.52	54.0	4.48	AV	297.00	300	Horizontal	Pass
3	5165.986	50.86	74.0	23.14	Peak	288.00	200	Horizontal	Pass
3**	5165.986	43.15	54.0	10.85	AV	288.00	200	Horizontal	Pass
4	6803.819	50.88	74.0	23.12	Peak	321.00	400	Horizontal	Pass
4**	6803.819	41.63	54.0	12.38	AV	321.00	400	Horizontal	Pass
5	13469.074	47.80	74.0	26.20	Peak	104.00	100	Horizontal	Pass
5**	13469.074	37.83	54.0	16.17	AV	104.00	100	Horizontal	Pass
6	17463.051	51.21	74.0	22.79	Peak	188.00	400	Horizontal	Pass
6**	17463.051	40.88	54.0	13.12	AV	188.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1284.606	46.02	74.0	27.98	Peak	317.00	300	Vertical	Pass
1**	1284.606	36.20	54.0	17.80	AV	317.00	300	Vertical	Pass
2	2767.811	60.36	74.0	13.64	Peak	14.00	400	Vertical	Pass
2**	2767.811	47.19	54.0	6.81	AV	14.00	400	Vertical	Pass
3	5170.519	56.24	74.0	17.76	Peak	95.00	200	Vertical	Pass
3**	5170.519	45.27	54.0	8.73	AV	95.00	200	Vertical	Pass
4	6802.875	53.82	74.0	20.18	Peak	74.00	200	Vertical	Pass
4**	6802.875	41.92	54.0	12.08	AV	74.00	200	Vertical	Pass
5	13469.944	47.33	74.0	26.67	Peak	162.00	100	Vertical	Pass
5**	13469.944	37.76	54.0	16.24	AV	162.00	100	Vertical	Pass
6	17467.614	51.61	74.0	22.39	Peak	35.00	300	Vertical	Pass
6**	17467.614	42.69	54.0	11.31	AV	35.00	300	Vertical	Pass

GFSK (BLE 2Mbps) 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	1289.629	42.36	74.0	31.64	Peak	218.00	400	Horizontal	Pass
1**	1289.629	31.83	54.0	22.17	AV	218.00	400	Horizontal	Pass
2	2769.896	58.85	74.0	15.15	Peak	262.00	400	Horizontal	Pass
2**	2769.896	49.16	54.0	4.84	AV	262.00	400	Horizontal	Pass
3	5166.361	51.20	74.0	22.80	Peak	195.00	200	Horizontal	Pass
3**	5166.361	43.43	54.0	10.57	AV	195.00	200	Horizontal	Pass
4	6806.351	50.54	74.0	23.46	Peak	116.00	400	Horizontal	Pass
4**	6806.351	41.64	54.0	12.37	AV	116.00	400	Horizontal	Pass
5	13468.661	46.99	74.0	27.01	Peak	0.00	200	Horizontal	Pass
5**	13468.661	38.02	54.0	15.98	AV	0.00	200	Horizontal	Pass
6	17466.646	50.74	74.0	23.26	Peak	135.00	200	Horizontal	Pass
6**	17466.646	40.80	54.0	13.20	AV	135.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1289.292	45.96	74.0	28.04	Peak	136.00	100	Vertical	Pass
1**	1289.292	36.14	54.0	17.86	AV	136.00	100	Vertical	Pass
2	2768.682	60.38	74.0	13.62	Peak	46.00	200	Vertical	Pass
2**	2768.682	47.18	54.0	6.82	AV	46.00	200	Vertical	Pass
3	5169.509	56.24	74.0	17.76	Peak	314.00	200	Vertical	Pass
3**	5169.509	45.24	54.0	8.76	AV	314.00	200	Vertical	Pass
4	6802.937	53.79	74.0	20.21	Peak	312.00	200	Vertical	Pass
4**	6802.937	41.86	54.0	12.14	AV	312.00	200	Vertical	Pass
5	13465.655	47.38	74.0	26.62	Peak	53.00	100	Vertical	Pass
5**	13465.655	37.75	54.0	16.25	AV	53.00	100	Vertical	Pass
6	17468.635	51.63	74.0	22.37	Peak	151.00	400	Vertical	Pass
6**	17468.635	42.70	54.0	11.30	AV	151.00	400	Vertical	Pass

GFSK (BLE 2Mbps) 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	1288.293	42.59	74.0	31.41	Peak	11.00	300	Horizontal	Pass
1**	1288.293	31.60	54.0	22.40	AV	11.00	300	Horizontal	Pass
2	2766.771	59.44	74.0	14.56	Peak	177.00	300	Horizontal	Pass
2**	2766.771	49.43	54.0	4.57	AV	177.00	300	Horizontal	Pass
3	5393.107	51.17	74.0	22.83	Peak	25.00	200	Horizontal	Pass
3**	5393.107	43.42	54.0	10.58	AV	25.00	200	Horizontal	Pass
4	6512.459	50.63	74.0	23.37	Peak	217.00	200	Horizontal	Pass
4**	6512.459	41.79	54.0	12.22	AV	217.00	200	Horizontal	Pass
5	13350.249	47.78	74.0	26.22	Peak	138.00	300	Horizontal	Pass
5**	13350.249	38.48	54.0	15.52	AV	138.00	300	Horizontal	Pass
6	17442.290	50.36	74.0	23.64	Peak	263.00	400	Horizontal	Pass
6**	17442.290	41.11	54.0	12.89	AV	263.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) 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	1285.154	45.95	74.0	28.05	Peak	132.00	400	Vertical	Pass
1**	1285.154	36.11	54.0	17.89	AV	132.00	400	Vertical	Pass
2	2768.591	60.36	74.0	13.64	Peak	15.00	300	Vertical	Pass
2**	2768.591	47.21	54.0	6.79	AV	15.00	300	Vertical	Pass
3	5285.047	56.21	74.0	17.79	Peak	144.00	200	Vertical	Pass
3**	5285.047	45.30	54.0	8.70	AV	144.00	200	Vertical	Pass
4	6652.350	53.76	74.0	20.24	Peak	217.00	400	Vertical	Pass
4**	6652.350	41.90	54.0	12.10	AV	217.00	400	Vertical	Pass
5	13304.045	47.37	74.0	26.63	Peak	101.00	200	Vertical	Pass
5**	13304.045	37.74	54.0	16.26	AV	101.00	200	Vertical	Pass
6	17420.100	51.61	74.0	22.39	Peak	111.00	100	Vertical	Pass
6**	17420.100	42.71	54.0	11.29	AV	111.00	100	Vertical	Pass

A.7 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.

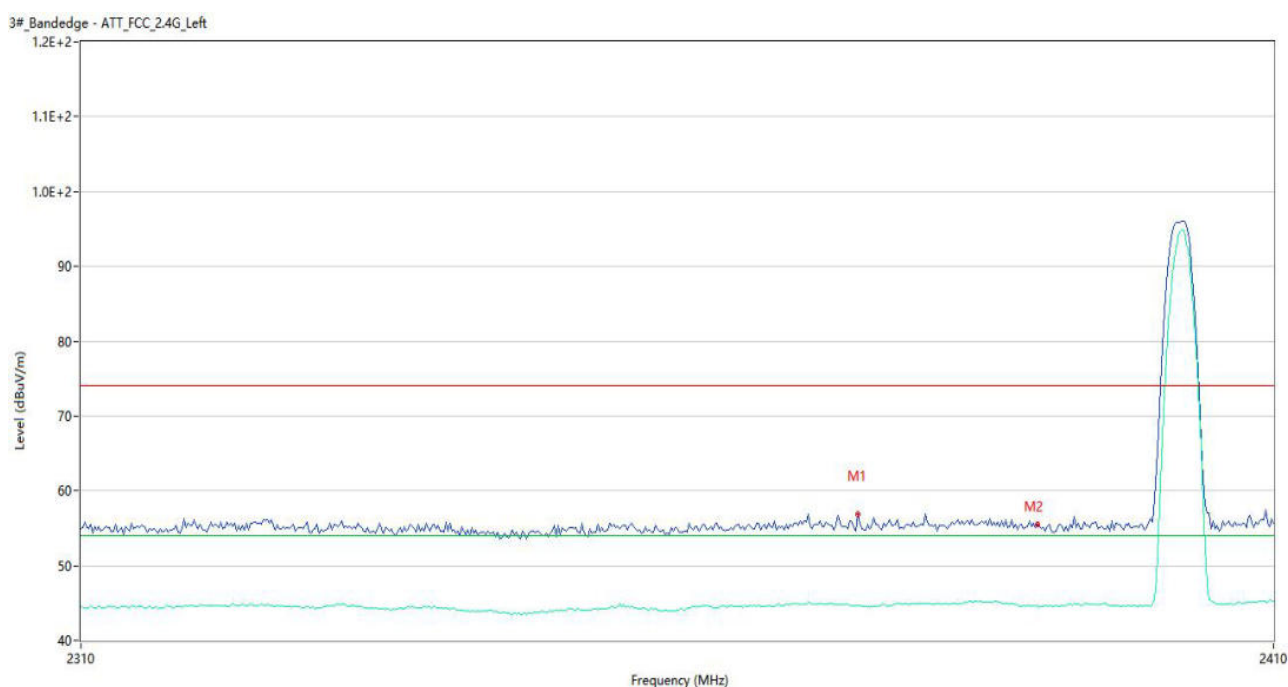
Note⁴: The Level (dBuV/m) has been corrected by factor.

Note⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

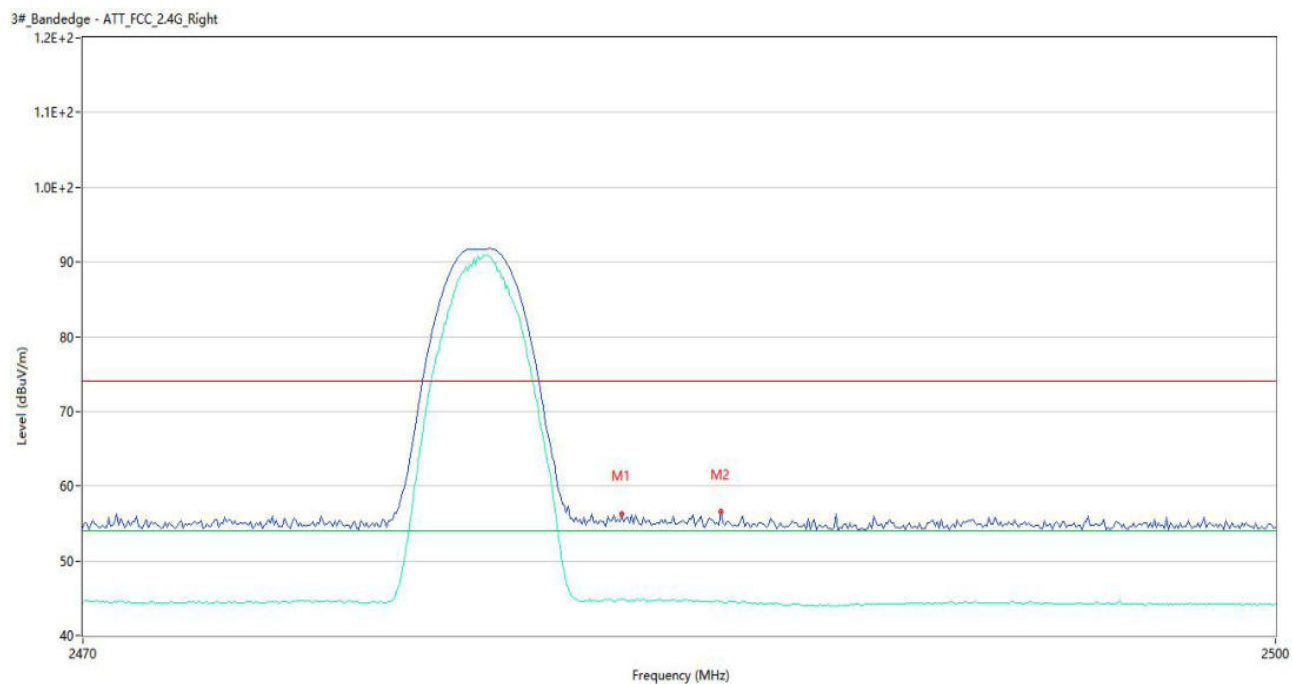
ANT0

GFSK (BLE 1Mbps) LOW CHANNEL



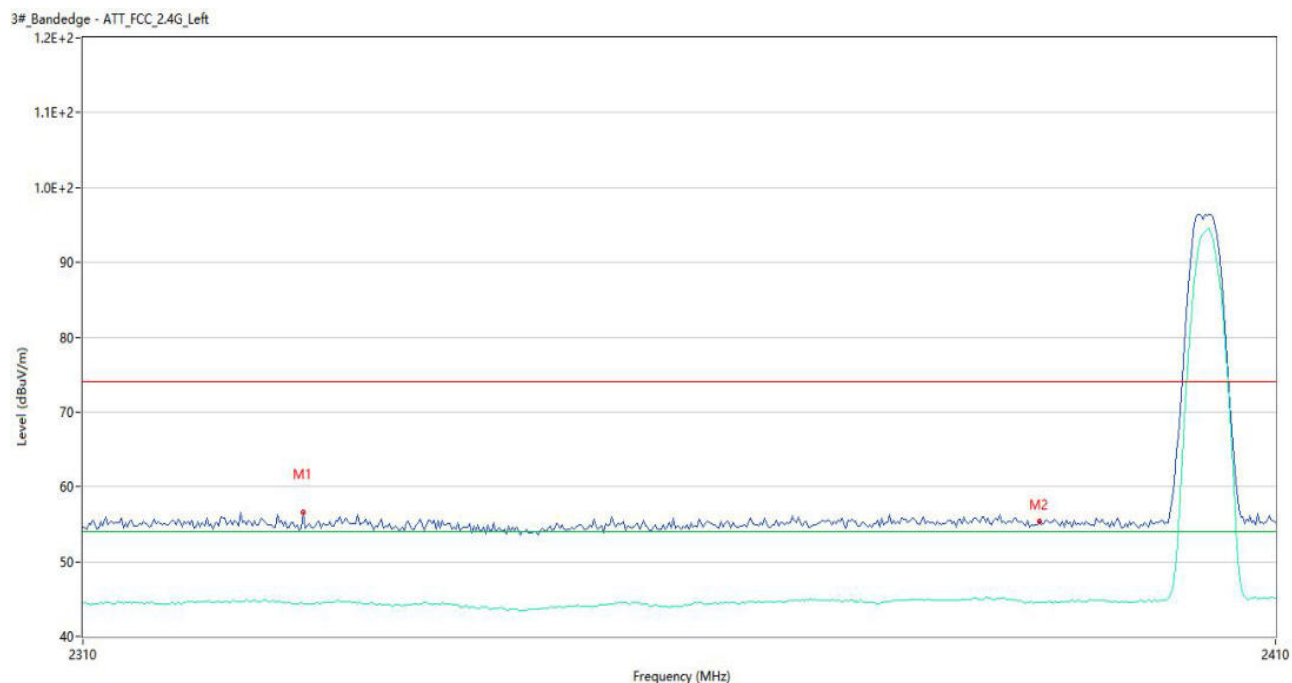
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2374.667	56.94	74.0	17.06	Peak	0.00	100	Horizontal	Pass
1**	2374.667	44.62	54.0	9.38	AV	0.00	100	Horizontal	Pass
2	2389.833	55.58	74.0	18.42	Peak	360.00	100	Horizontal	Pass
2**	2389.833	44.62	54.0	9.38	AV	360.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.34	74.0	17.66	Peak	249.00	100	Horizontal	Pass
1**	2483.500	44.76	54.0	9.24	AV	249.00	100	Horizontal	Pass
2	2486.000	56.61	74.0	17.39	Peak	283.00	100	Horizontal	Pass
2**	2486.000	44.50	54.0	9.50	AV	283.00	100	Horizontal	Pass

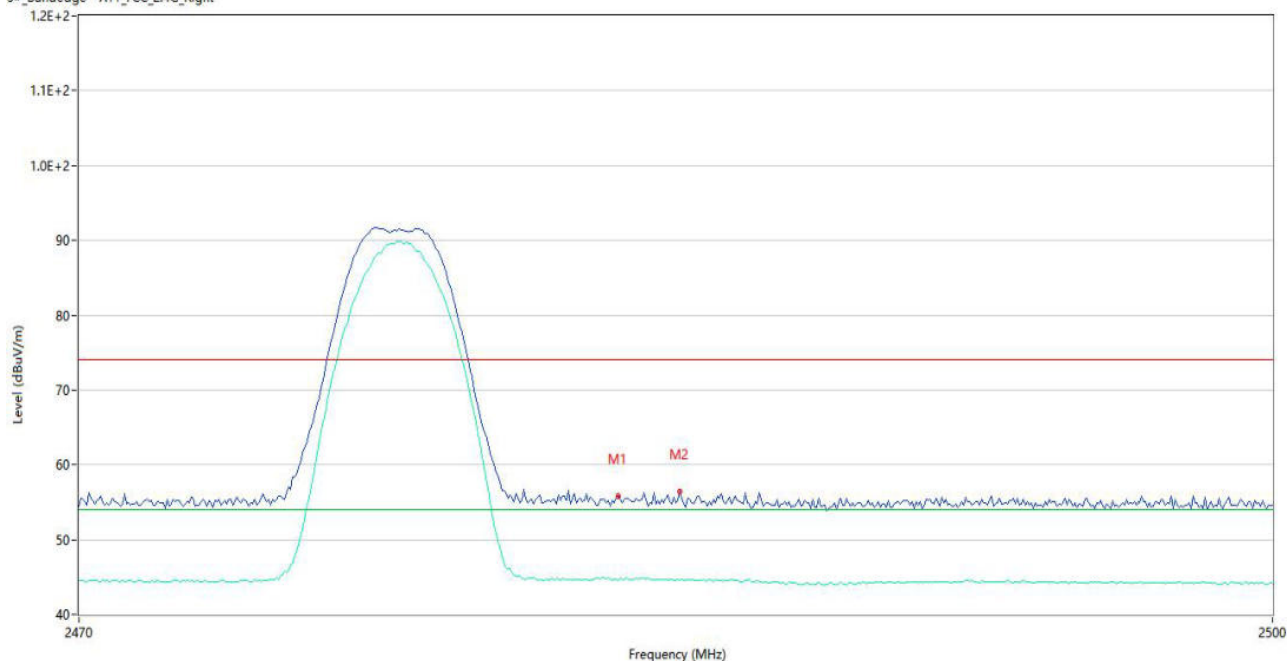
GFSK (BLE 2Mbps) LOW CHANNEL



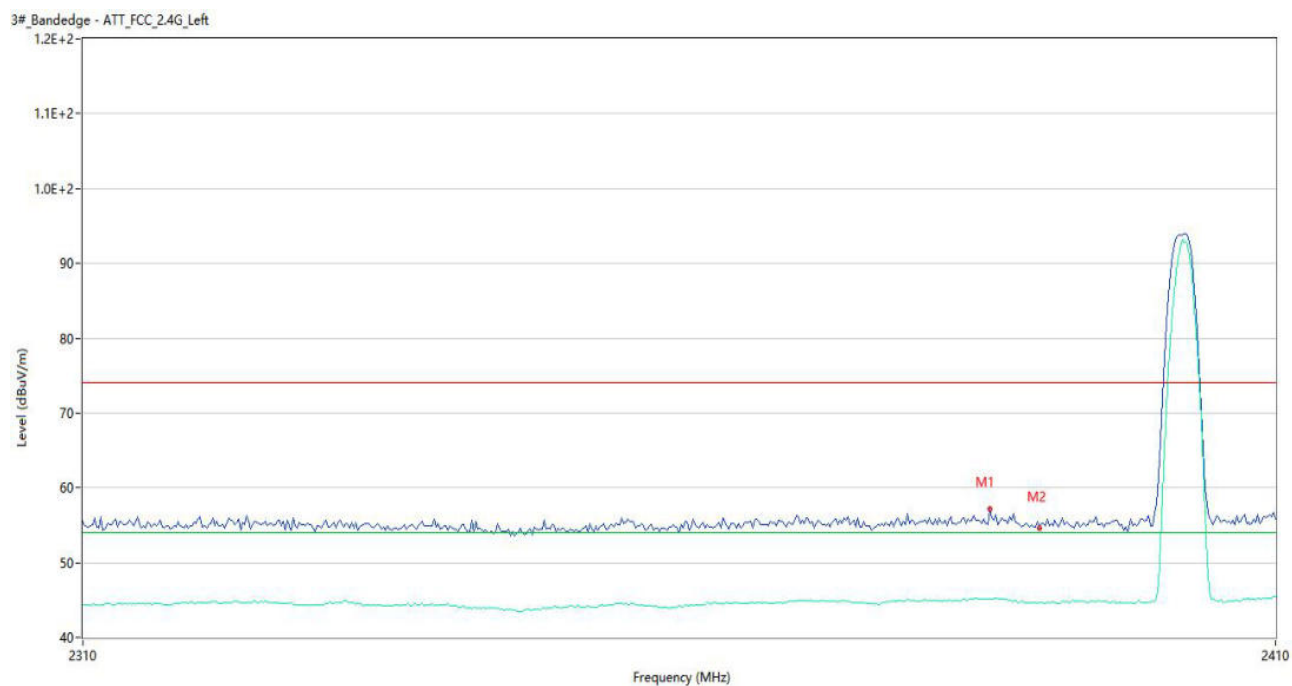
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2328.167	56.65	74.0	17.35	Peak	318.00	150	Horizontal	Pass
1**	2328.167	44.42	54.0	9.58	AV	318.00	150	Horizontal	Pass
2	2389.833	55.32	74.0	18.68	Peak	51.00	200	Horizontal	Pass
2**	2389.833	44.54	54.0	9.46	AV	51.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right

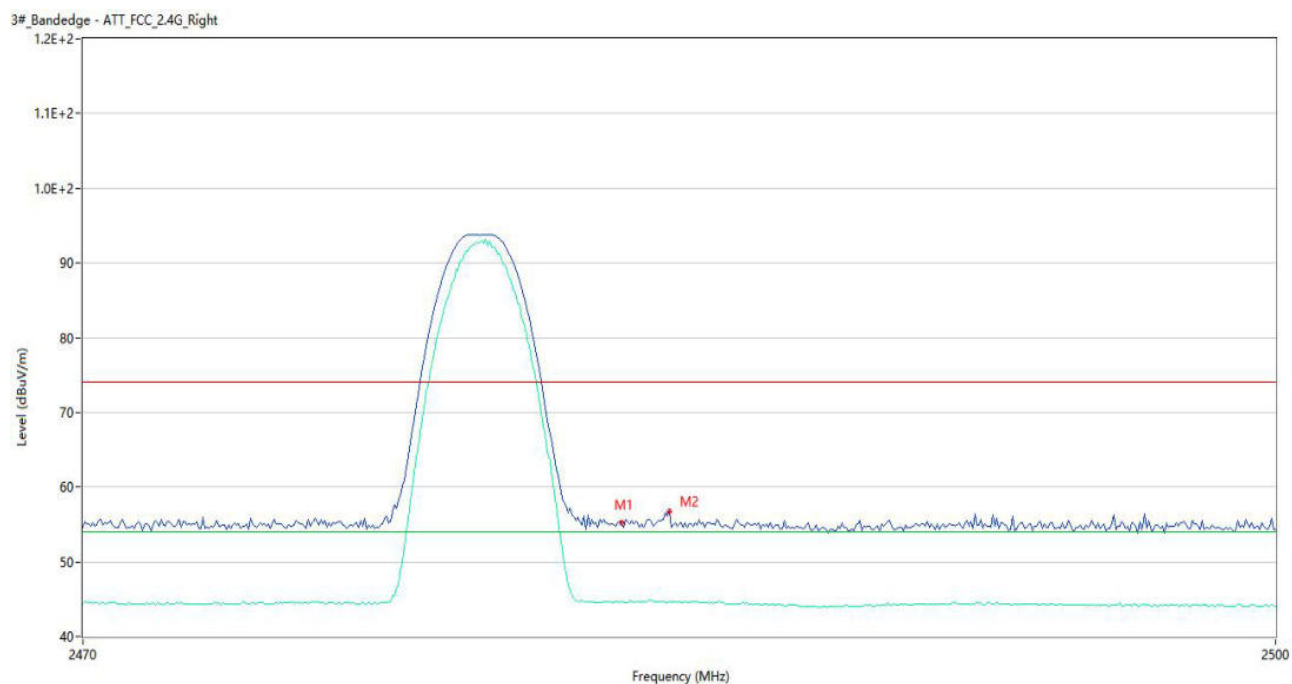


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.77	74.0	18.23	Peak	325.00	150	Horizontal	Pass
1**	2483.500	44.58	54.0	9.42	AV	325.00	150	Horizontal	Pass
2	2485.050	56.40	74.0	17.60	Peak	134.00	100	Horizontal	Pass
2**	2485.050	44.58	54.0	9.42	AV	134.00	100	Horizontal	Pass

ANT0**GFSK (BLE 1Mbps) LOW CHANNEL**

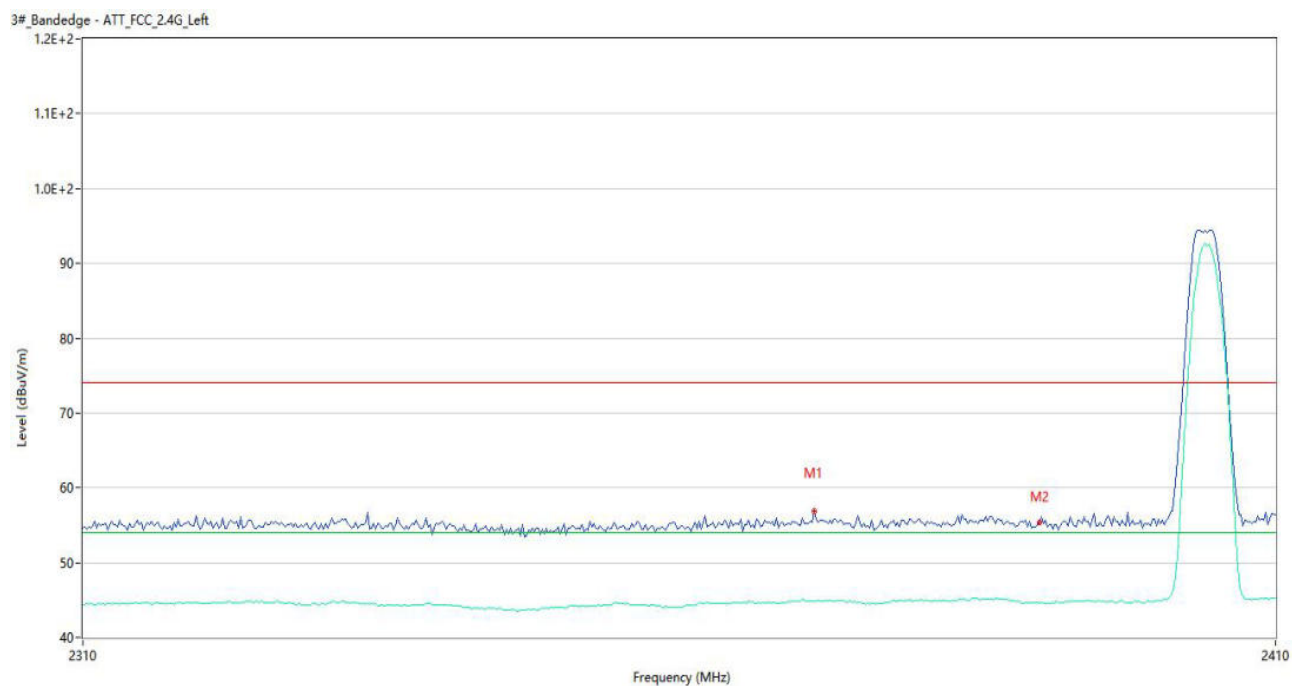
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.667	57.15	74.0	16.85	Peak	360.00	200	Horizontal	Pass
1**	2385.667	45.18	54.0	8.82	AV	360.00	200	Horizontal	Pass
2	2389.833	54.66	74.0	19.34	Peak	74.00	200	Horizontal	Pass
2**	2389.833	44.68	54.0	9.32	AV	74.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



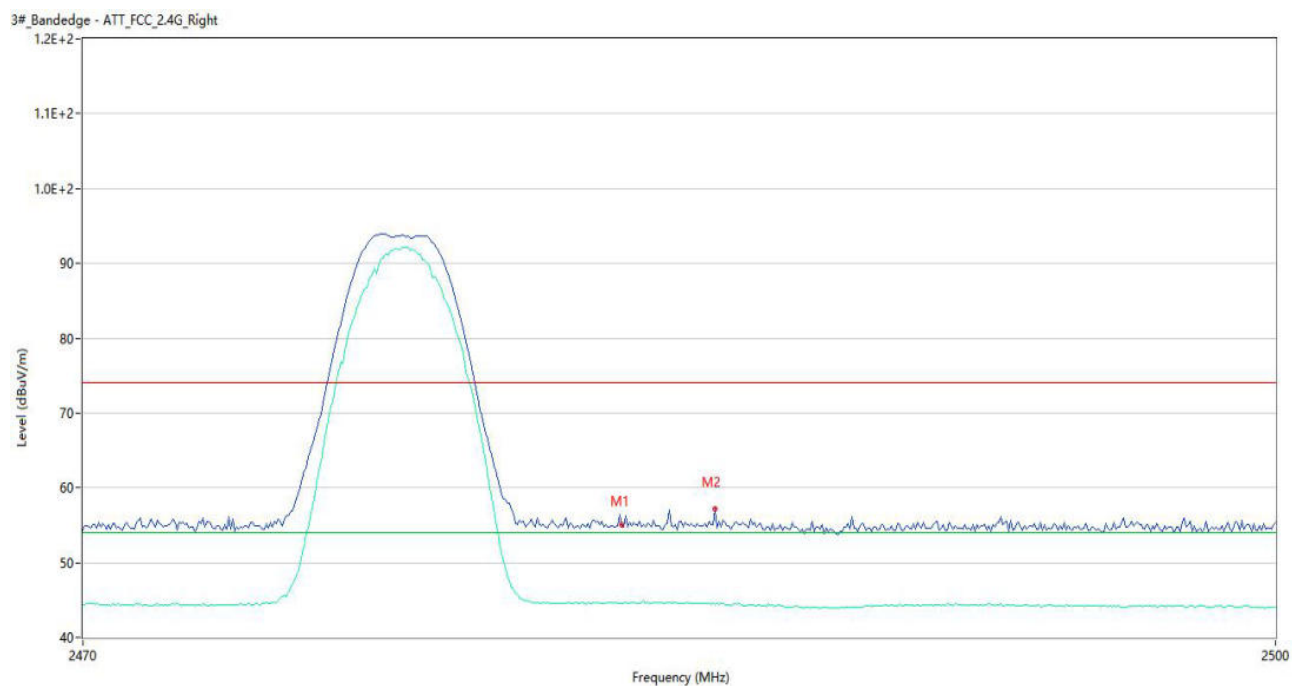
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.28	74.0	18.72	Peak	72.00	100	Horizontal	Pass
1**	2483.500	44.78	54.0	9.22	AV	72.00	100	Horizontal	Pass
2	2484.700	56.79	74.0	17.21	Peak	140.00	200	Horizontal	Pass
2**	2484.700	44.66	54.0	9.34	AV	140.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2370.833	56.92	74.0	17.08	Peak	36.00	200	Horizontal	Pass
1**	2370.833	44.88	54.0	9.12	AV	36.00	200	Horizontal	Pass
2	2389.833	55.43	74.0	18.57	Peak	95.00	100	Horizontal	Pass
2**	2389.833	44.49	54.0	9.51	AV	95.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.07	74.0	18.93	Peak	278.00	100	Horizontal	Pass
1**	2483.500	44.58	54.0	9.42	AV	278.00	100	Horizontal	Pass
2	2485.850	57.18	74.0	16.82	Peak	65.00	100	Horizontal	Pass
2**	2485.850	44.39	54.0	9.61	AV	65.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

ANT0

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-13.83	8	Pass
Middle Channel	-13.64	8	Pass
High Channel	-15.79	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-16.93	8	Pass
Middle Channel	-16.58	8	Pass
High Channel	-18.46	8	Pass

ANT1

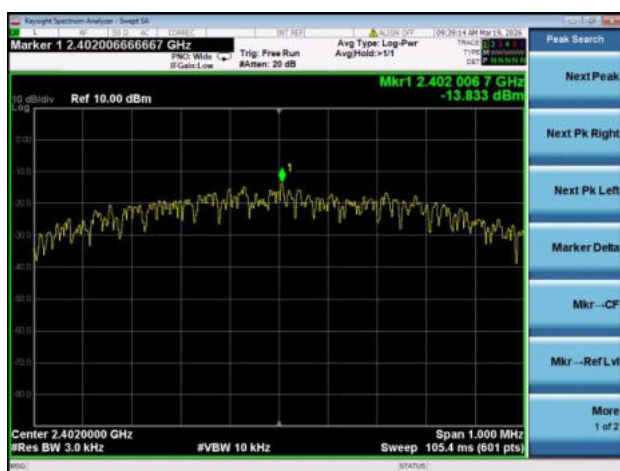
GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-13.75	8	Pass
Middle Channel	-12.82	8	Pass
High Channel	-14.42	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-16.73	8	Pass
Middle Channel	-15.80	8	Pass
High Channel	-17.06	8	Pass

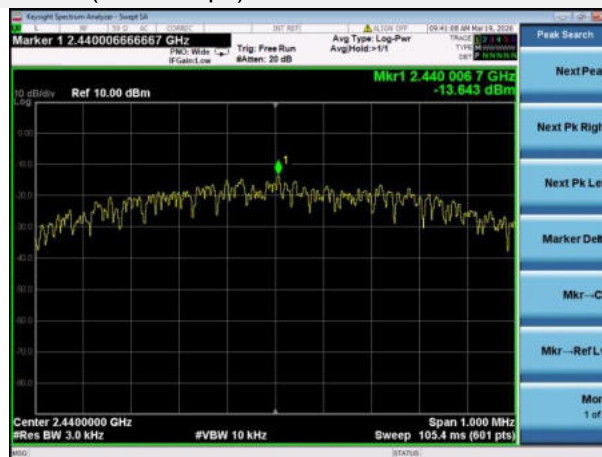
Test Plots

ANT0

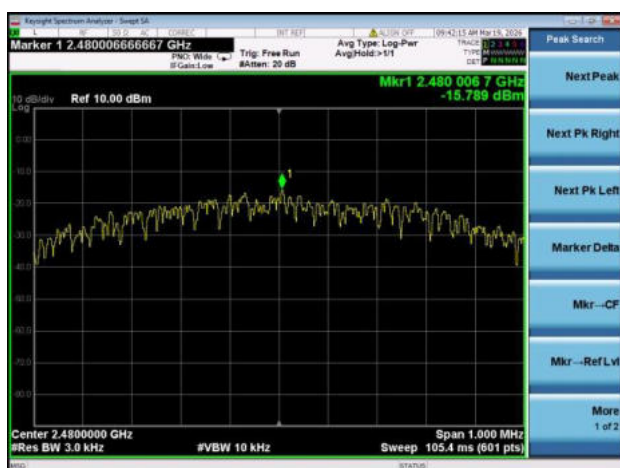
GFSK (BLE 1Mbps) LOW CHANNEL



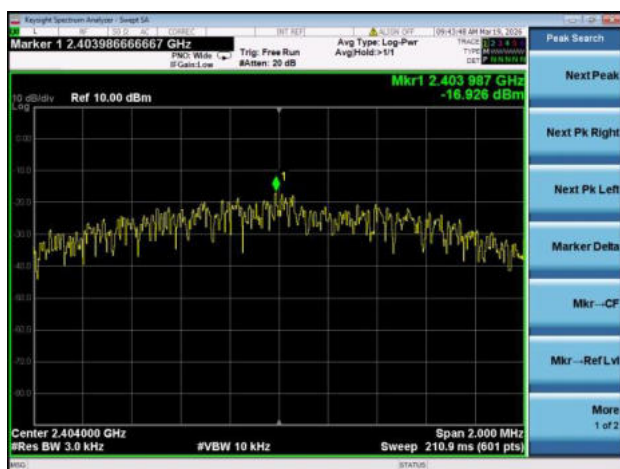
GFSK (BLE 1Mbps) MIDDLE CHANNEL



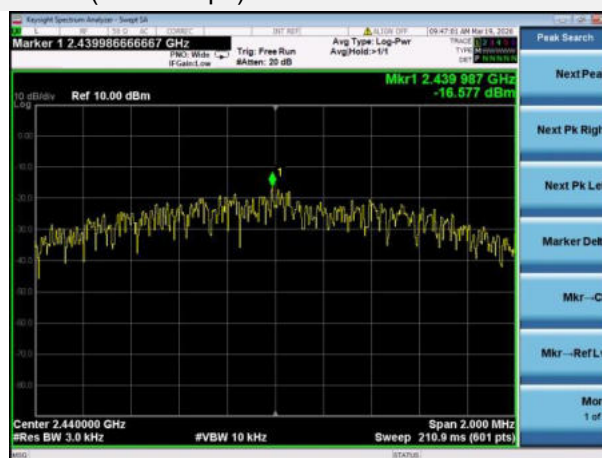
GFSK (BLE 1Mbps) HIGH CHANNEL



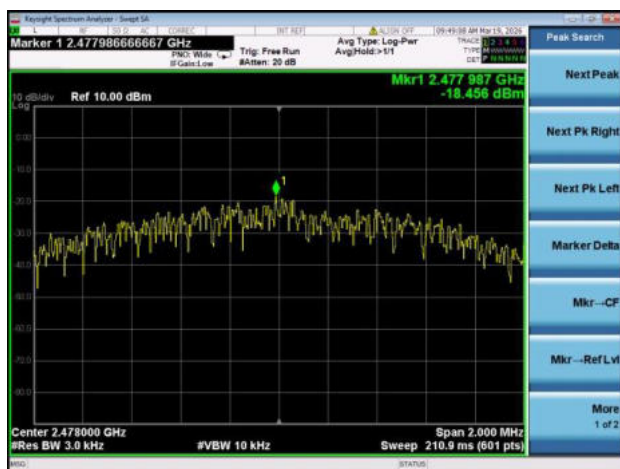
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL

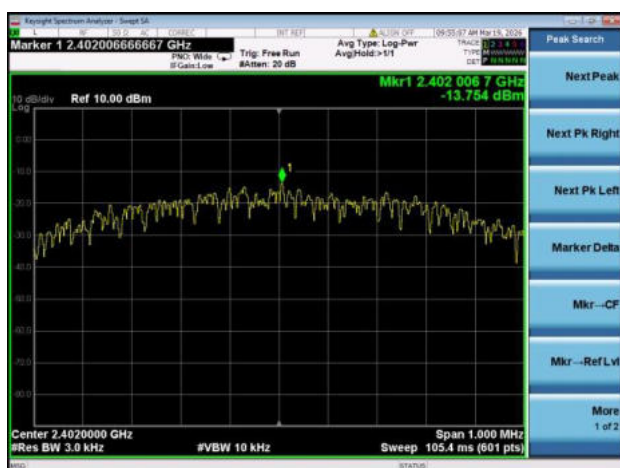


GFSK (BLE 2Mbps) HIGH CHANNEL

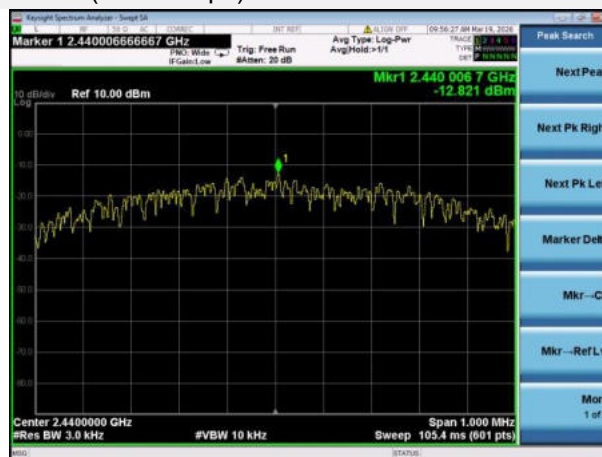


ANT1

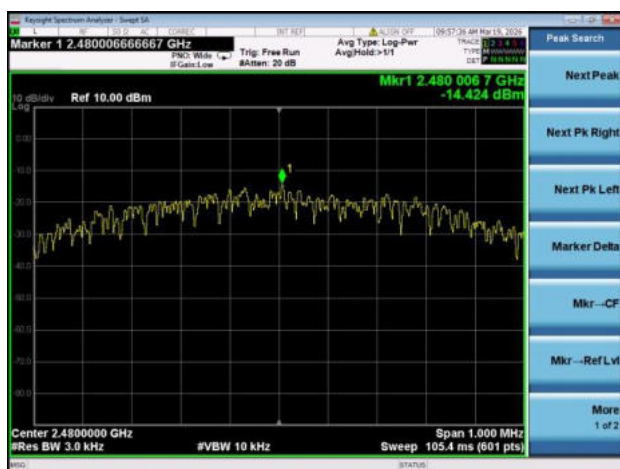
GFSK (BLE 1Mbps) LOW CHANNEL



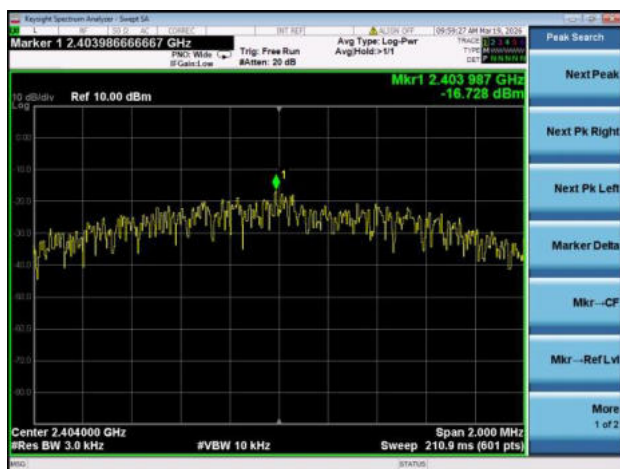
GFSK (BLE 1Mbps) MIDDLE CHANNEL



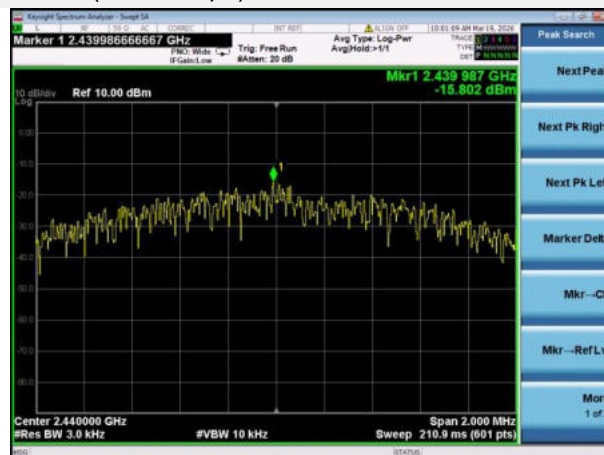
GFSK (BLE 1Mbps) HIGH CHANNEL



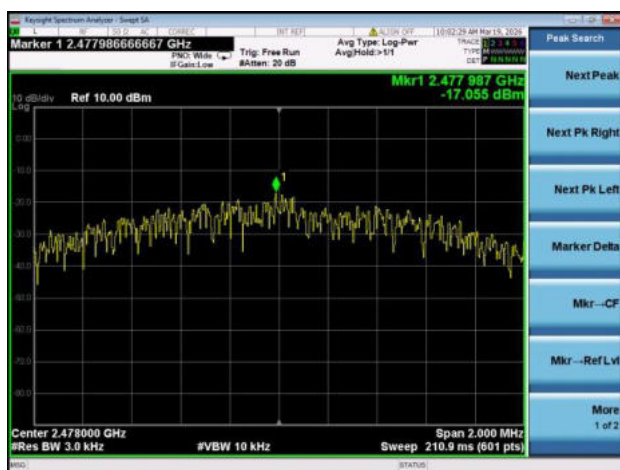
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26030251-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26030251-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26030251-AI.PDF”.

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--END OF REPORT--