

GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL

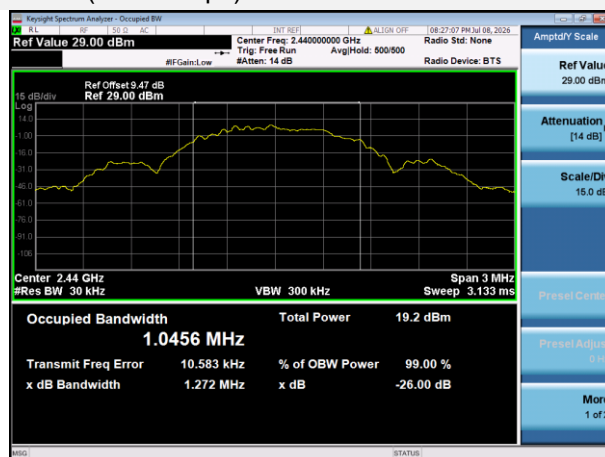


99% Bandwidth

GFSK (BLE 1Mbps) LOW CHANNEL



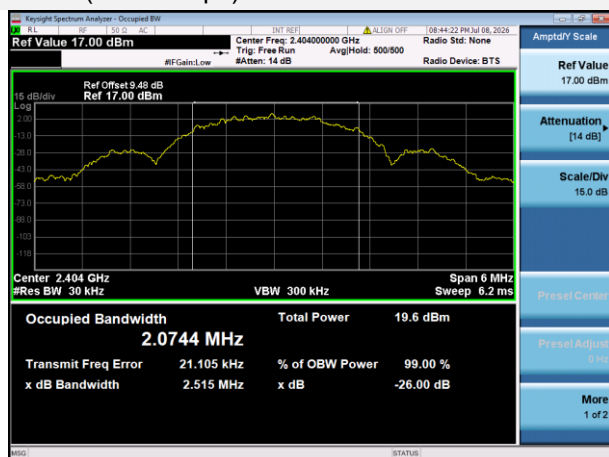
GFSK (BLE 1Mbps) MIDDLE CHANNEL



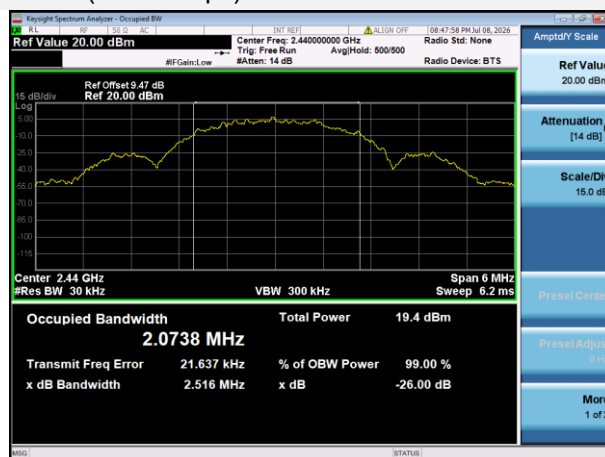
GFSK (BLE 1Mbps) HIGH CHANNEL



GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



A.3 Conducted Spurious Emissions

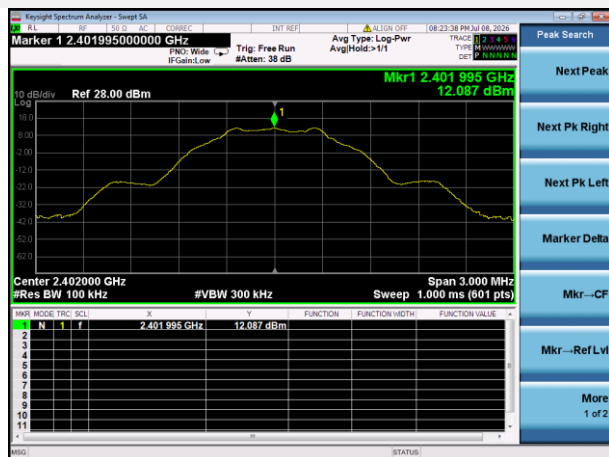
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-23.49	12.09	-7.91	Pass
Middle Channel	-25.57	11.86	-8.14	Pass
High Channel	-20.29	11.38	-8.62	Pass

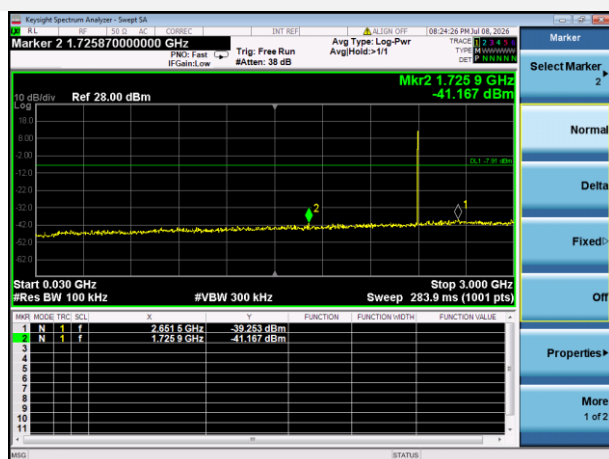
GFSK (BLE 2Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-20.17	11.63	-8.37	Pass
Middle Channel	-23.15	11.56	-8.44	Pass
High Channel	-21.73	11.13	-8.87	Pass

Test Plots

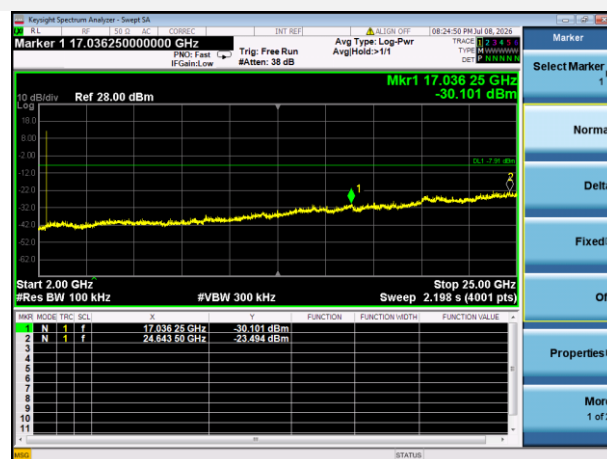
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



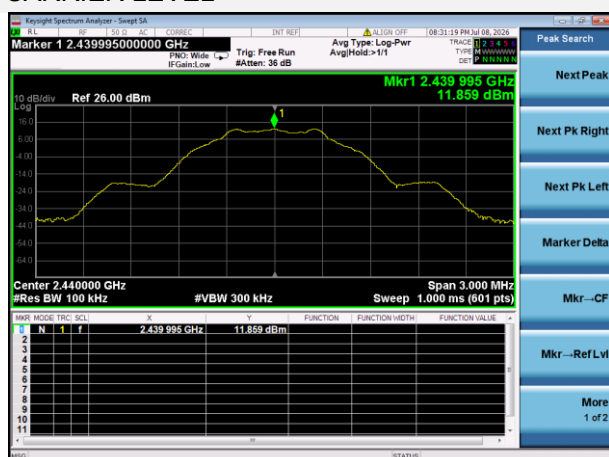
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



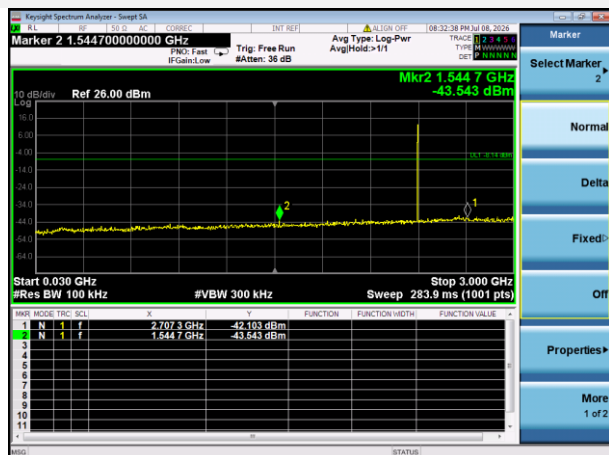
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



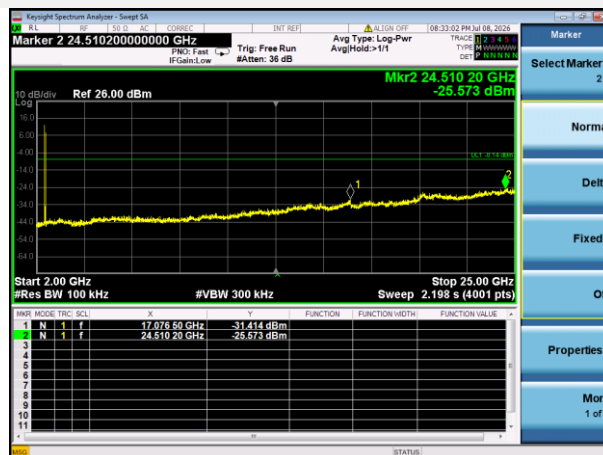
GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL



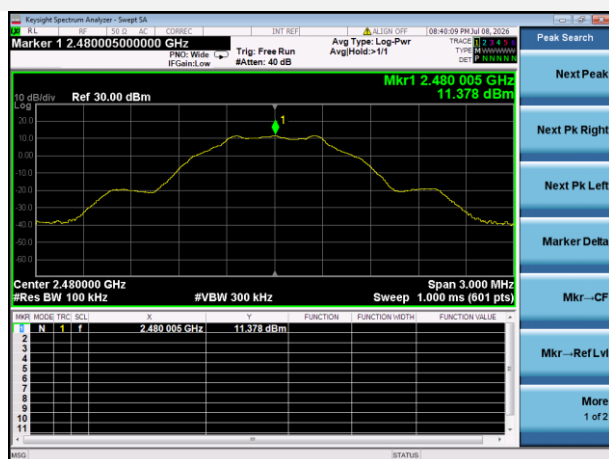
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



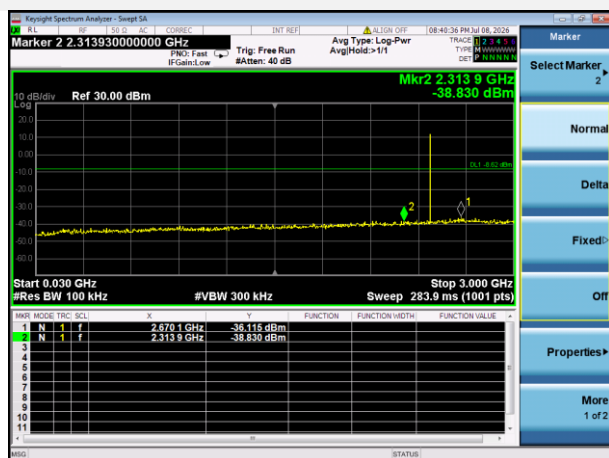
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



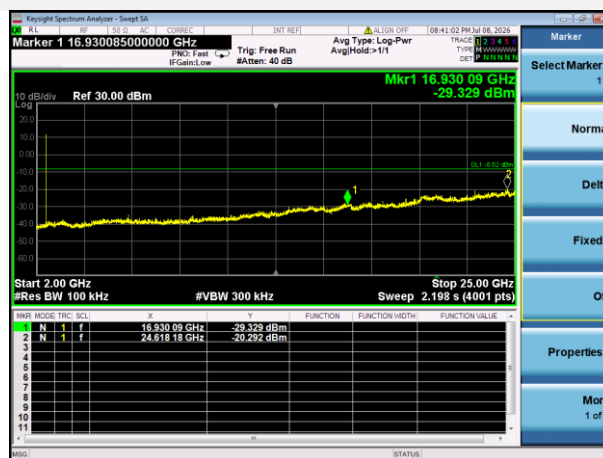
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



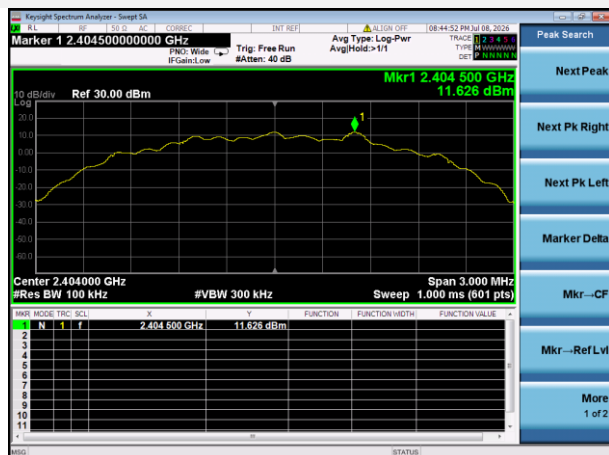
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



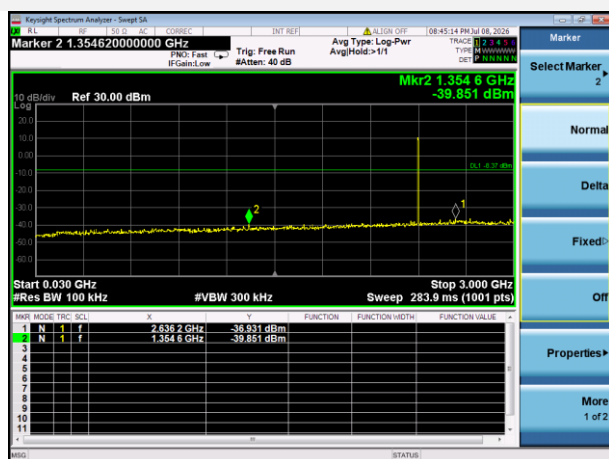
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



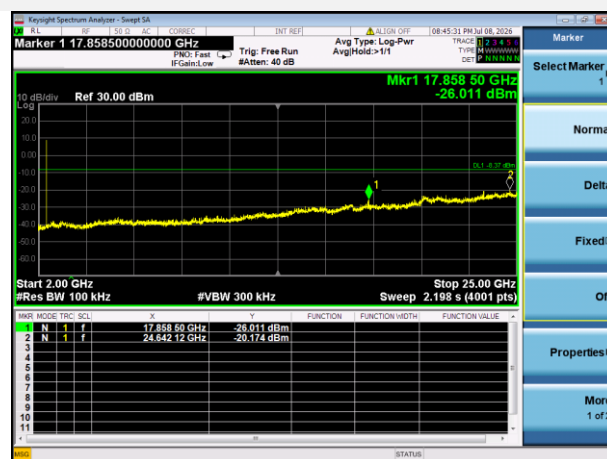
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



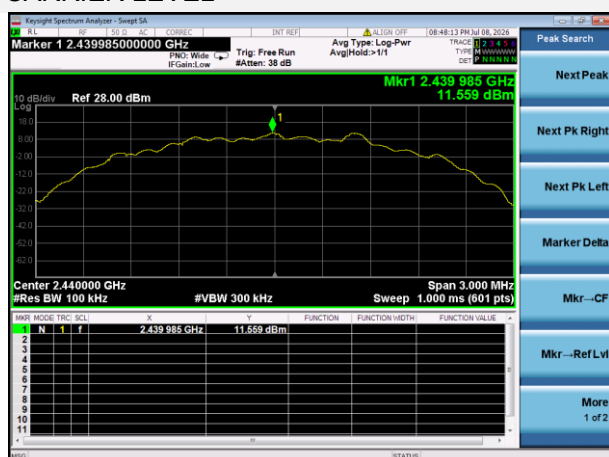
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



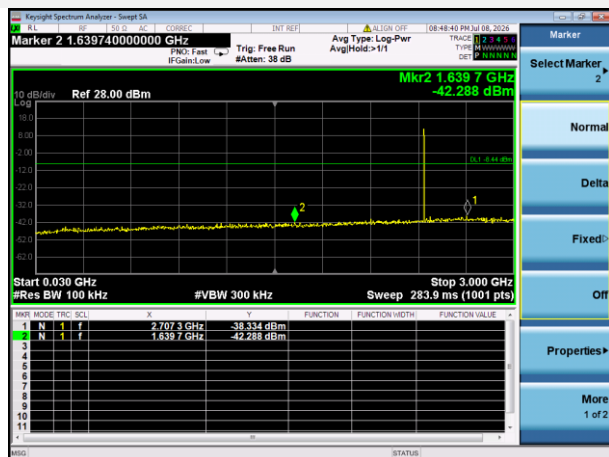
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



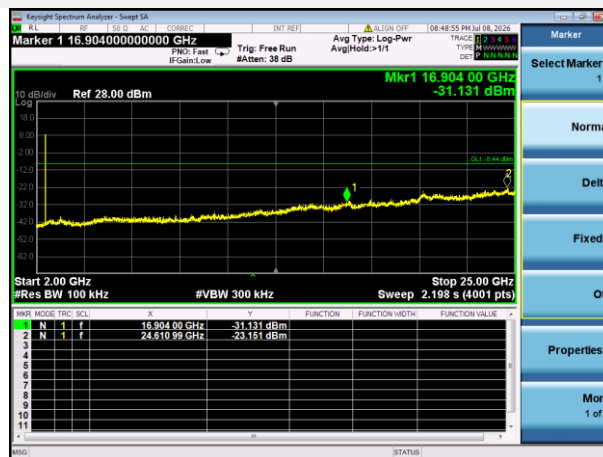
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



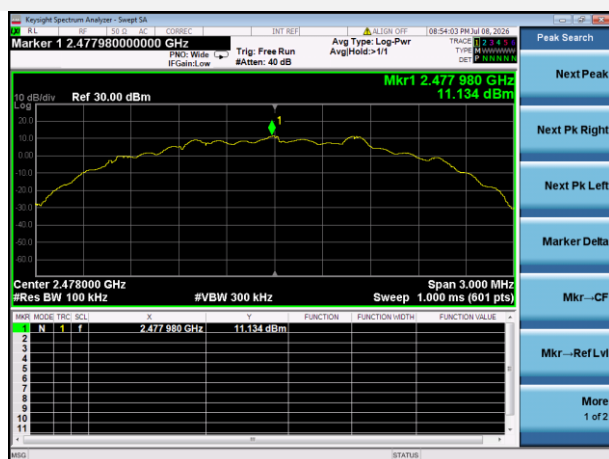
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



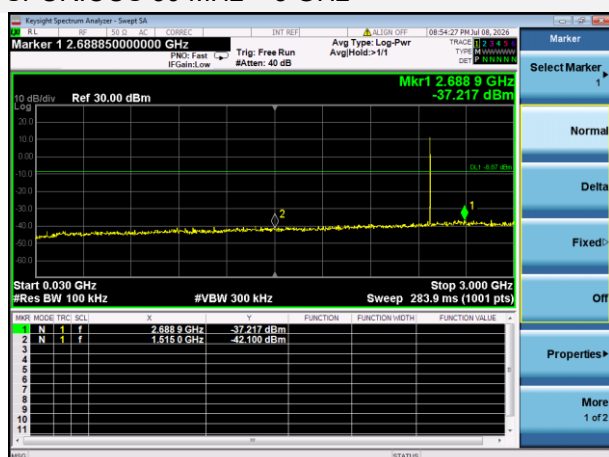
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



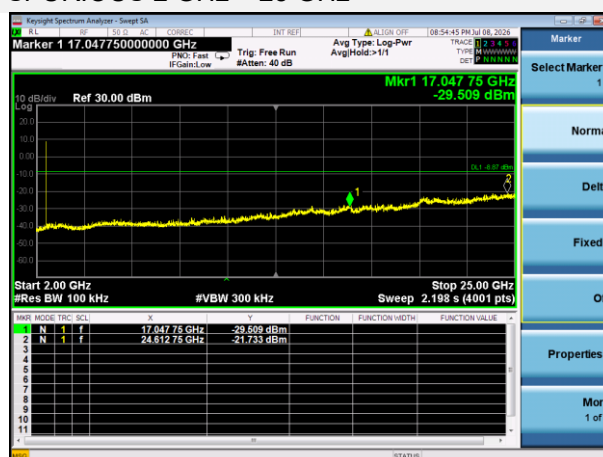
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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.

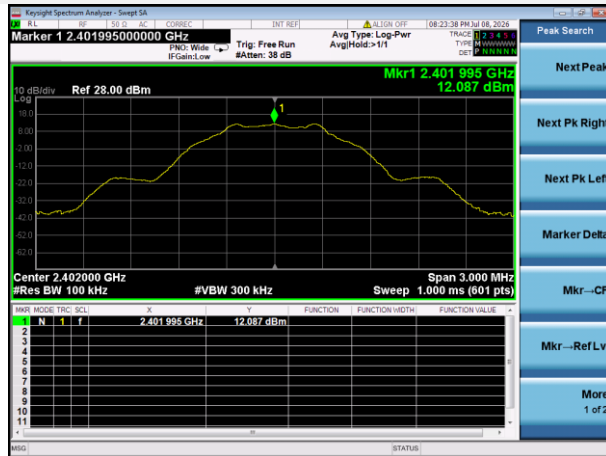
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-46.74	12.09	-7.91	Pass
High Channel	-57.09	11.38	-8.62	Pass

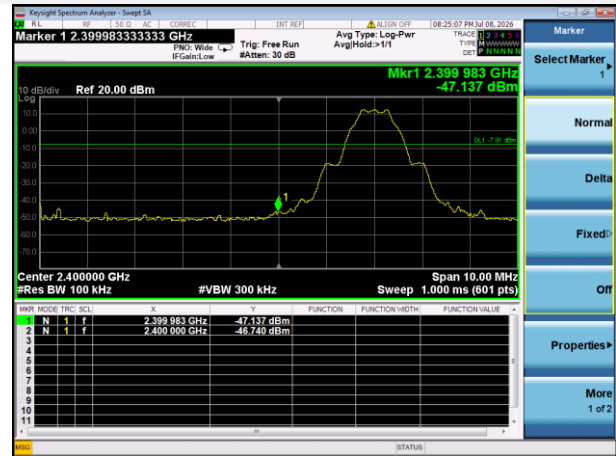
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.88	11.63	-8.37	Pass
High Channel	-57.58	11.13	-8.87	Pass

Test Plots

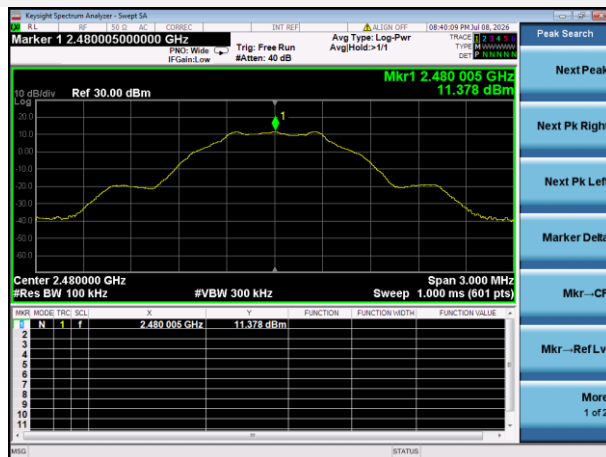
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



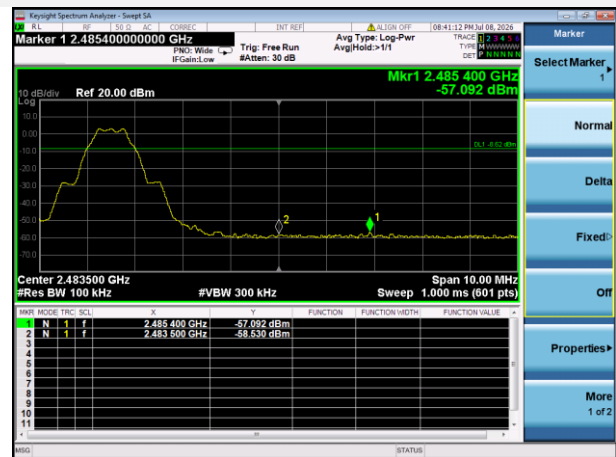
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



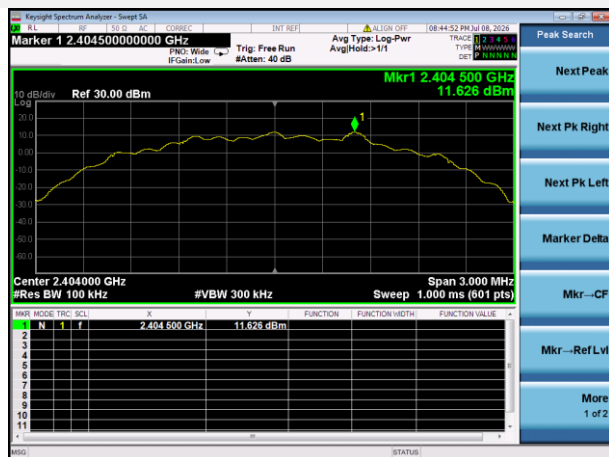
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



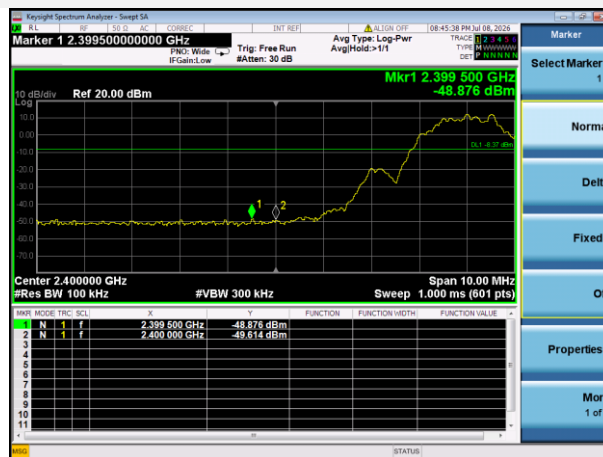
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



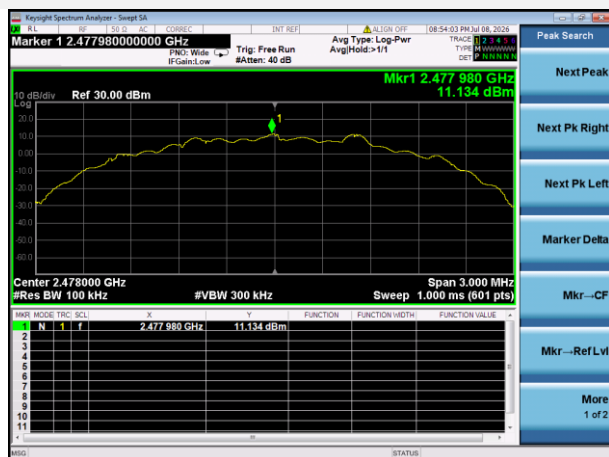
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



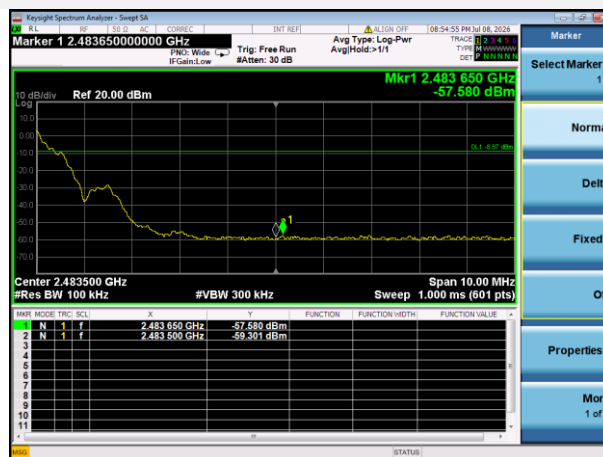
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

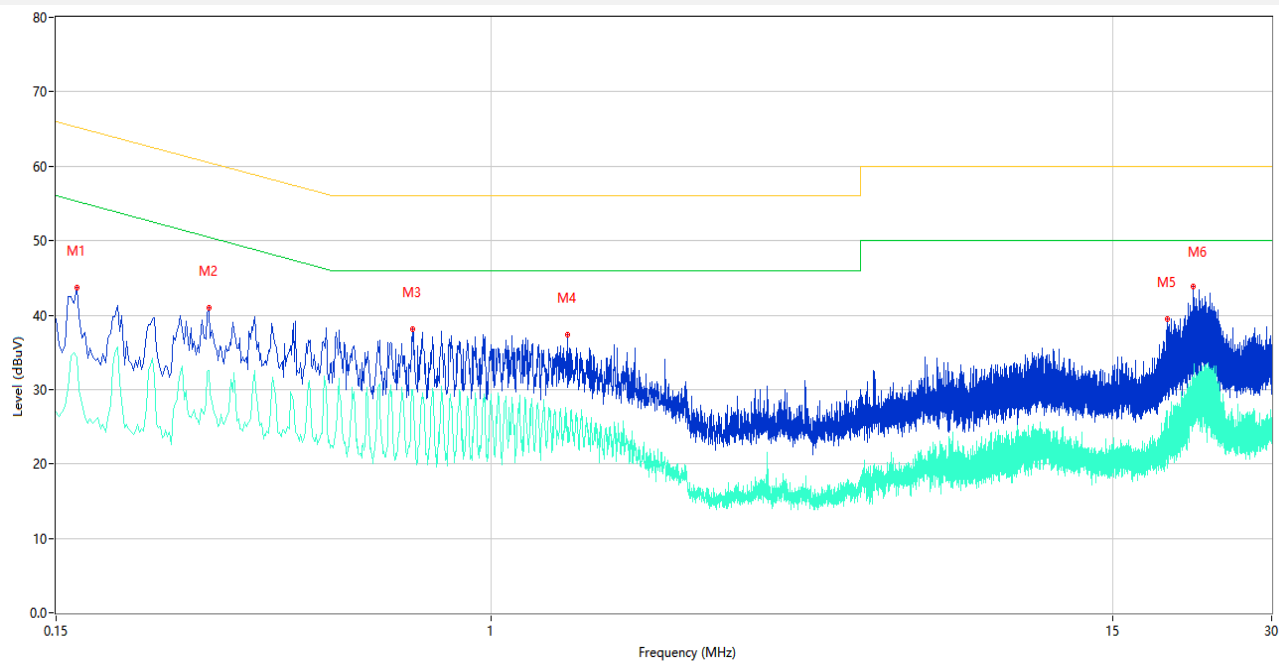
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

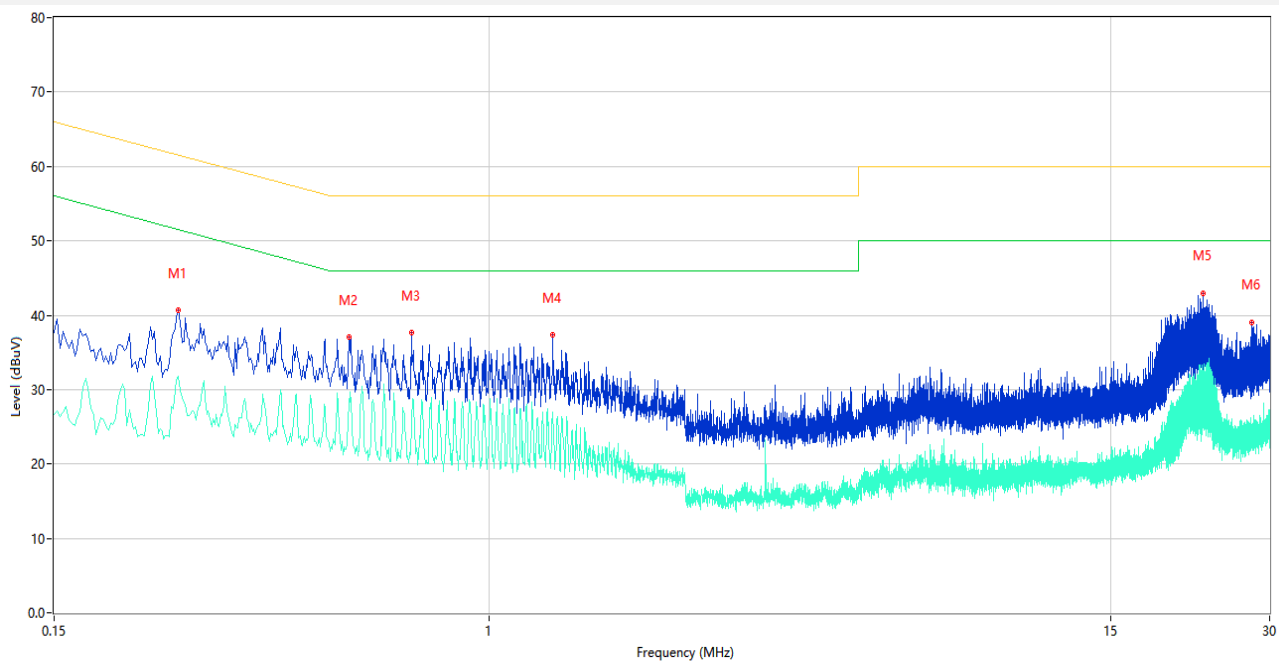
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.164	43.66	10.23	65.26	21.60	Peak	L	Pass
1**	0.164	34.34	10.23	55.26	20.92	AV	L	Pass
2	0.292	40.94	10.23	60.47	19.53	Peak	L	Pass
2**	0.292	32.53	10.23	50.47	17.94	AV	L	Pass
3	0.710	38.05	10.27	56.00	17.95	Peak	L	Pass
3**	0.710	29.97	10.27	46.00	16.03	AV	L	Pass
4	1.394	37.31	10.36	56.00	18.69	Peak	L	Pass
4**	1.394	25.07	10.36	46.00	20.93	AV	L	Pass
5	19.050	39.42	14.84	60.00	20.58	Peak	L	Pass
5**	19.050	26.38	14.84	50.00	23.62	AV	L	Pass
6	21.306	43.83	15.27	60.00	16.17	Peak	L	Pass
6**	21.306	30.38	15.27	50.00	19.62	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.258	40.65	10.22	61.50	20.85	Peak	N	Pass
1**	0.258	31.73	10.22	51.50	19.77	AV	N	Pass
2	0.542	37.03	10.24	56.00	18.97	Peak	N	Pass
2**	0.542	28.05	10.24	46.00	17.95	AV	N	Pass
3	0.712	37.66	10.25	56.00	18.34	Peak	N	Pass
3**	0.712	25.49	10.25	46.00	20.51	AV	N	Pass
4	1.320	37.35	10.33	56.00	18.65	Peak	N	Pass
4**	1.320	27.02	10.33	46.00	18.98	AV	N	Pass
5	22.492	43.00	15.56	60.00	17.00	Peak	N	Pass
5**	22.492	27.16	15.56	50.00	22.84	AV	N	Pass
6	27.796	39.08	16.38	60.00	20.92	Peak	N	Pass
6**	27.796	24.48	16.38	50.00	25.52	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

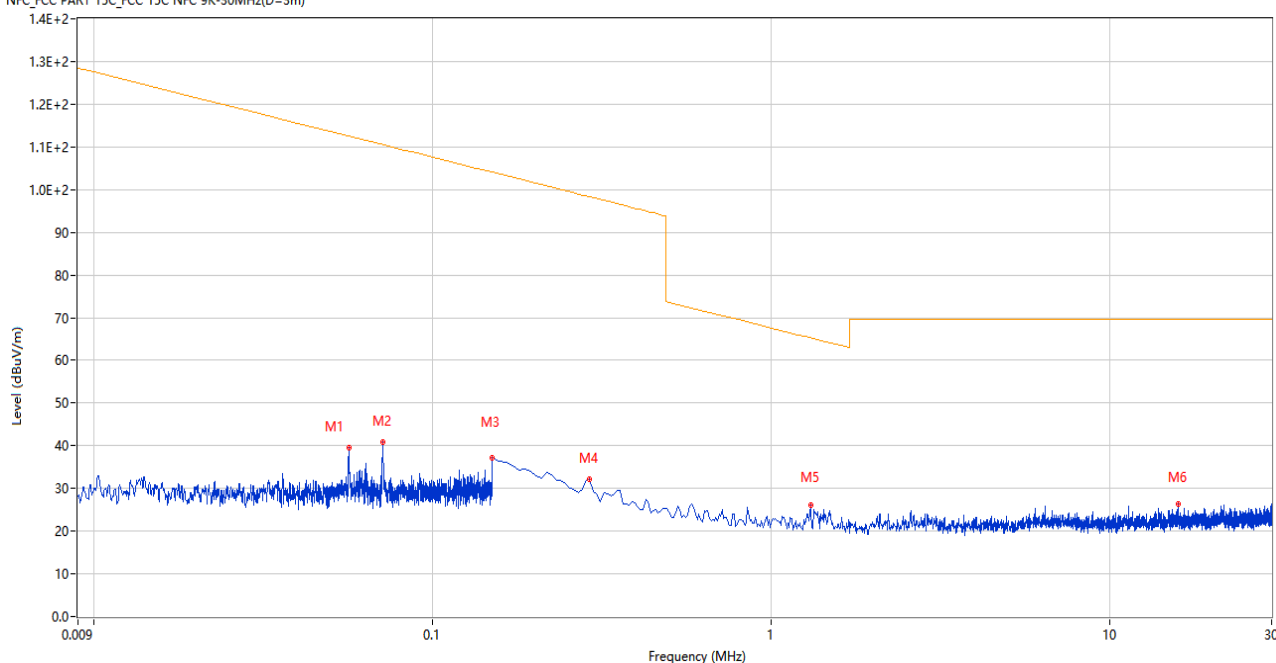
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 1M-Low channel mode is the worst.

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

Test Data and Plots

9kHz to 30MHz, ANT H

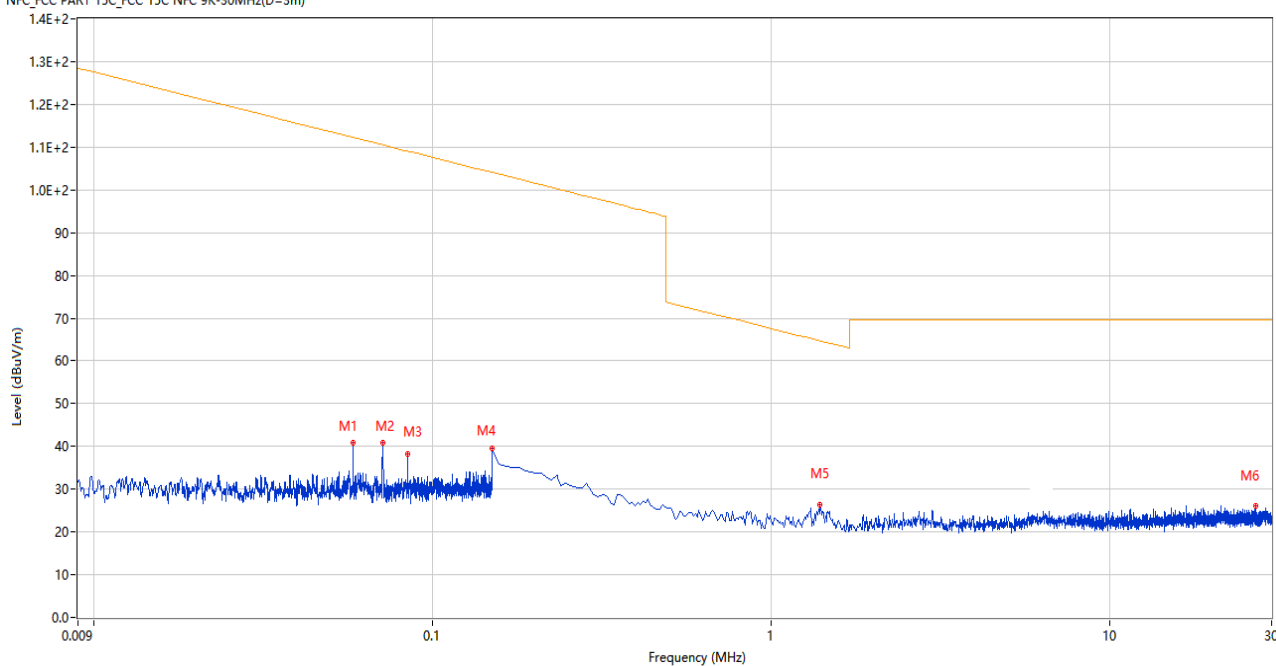
NFC_FCC PART 15C_FCC 15C NFC 9K-30MHz(D=3m)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.057	39.38	20.75	112.5	73.12	Peak	79.00	100	Horizontal	Pass
2	0.071	40.51	20.72	110.5	69.99	Peak	227.00	100	Horizontal	Pass
3	0.150	38.83	20.59	104.1	65.27	Peak	226.00	100	Horizontal	Pass
4	0.382	32.27	20.37	98.3	66.03	Peak	70.00	100	Horizontal	Pass
5	1.360	26.46	19.48	65.3	38.84	Peak	82.00	100	Horizontal	Pass
6	15.048	27.08	21.16	69.5	42.42	Peak	280.00	100	Horizontal	Pass

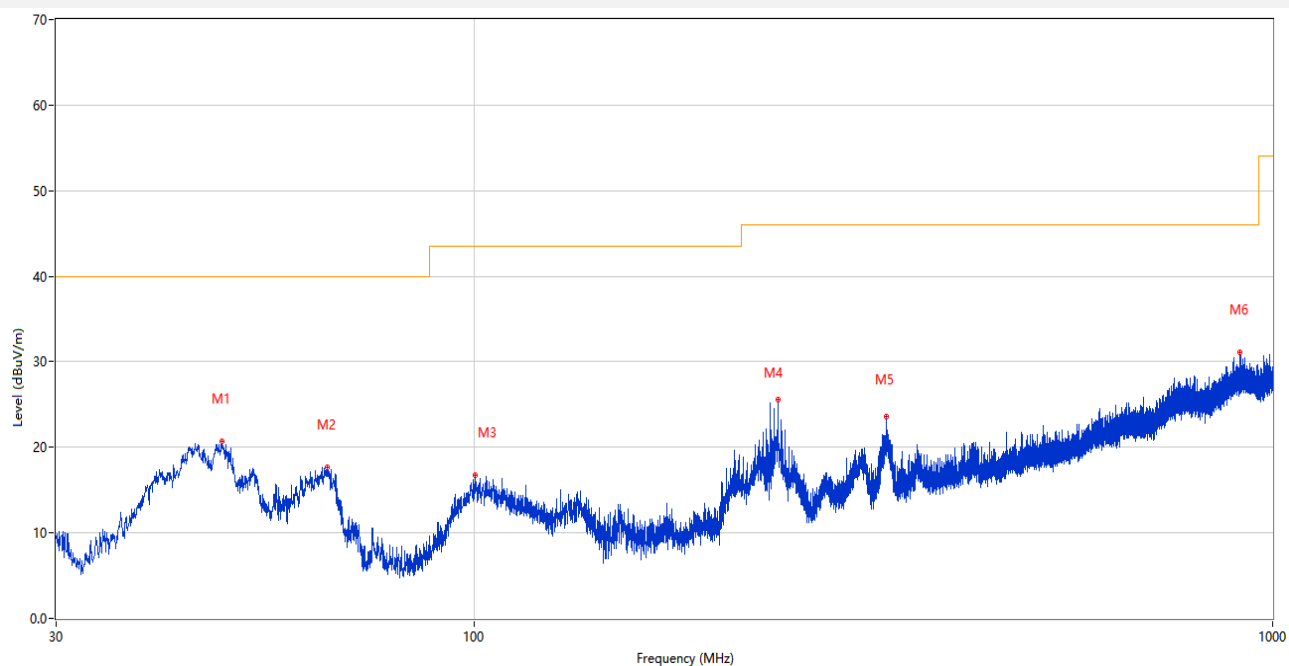
9kHz to 30MHz, ANT V

NFC_FCC PART 15C_FCC 15C NFC 9K-30MHz(D=3m)



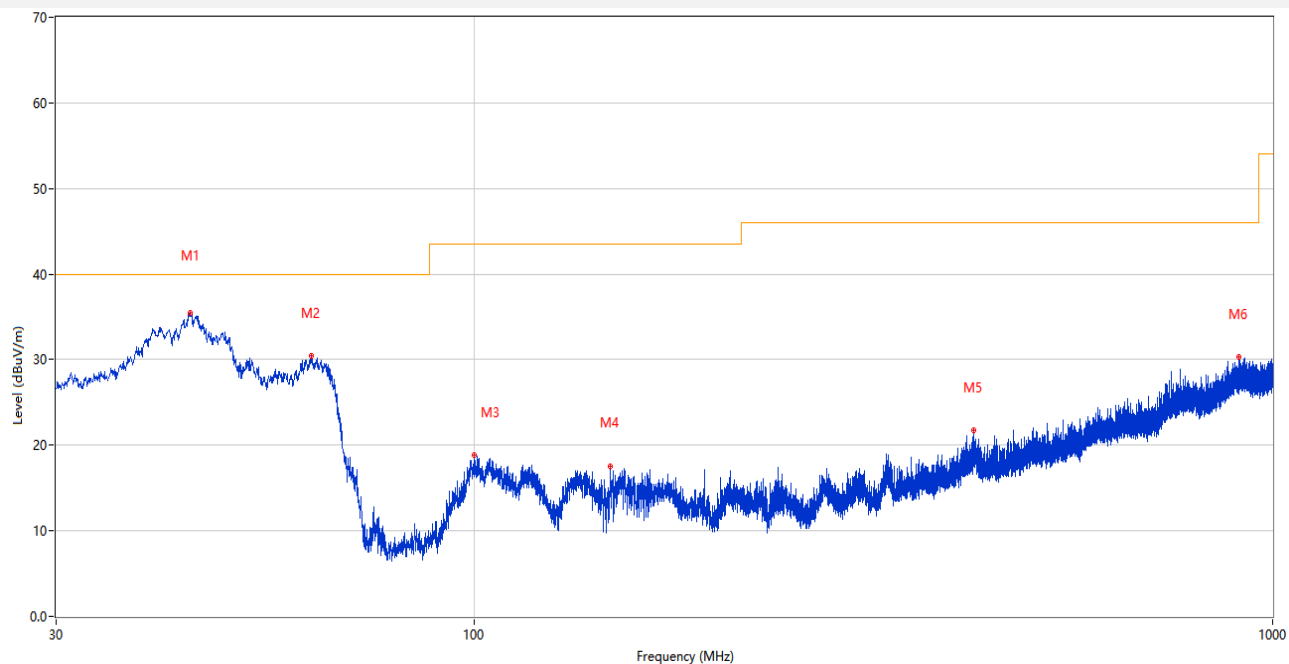
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.057	40.51	20.75	112.5	71.99	Peak	134.00	100	Vertical	Pass
2	0.071	40.50	20.72	110.5	70.00	Peak	58.00	100	Vertical	Pass
3	0.085	37.71	20.68	108.5	70.79	Peak	334.00	100	Vertical	Pass
4	0.150	39.56	20.59	104.1	64.54	Peak	141.00	100	Vertical	Pass
5	1.360	26.48	19.48	65.3	38.82	Peak	206.00	100	Horizontal	Pass
6	27.482	27.67	21.34	69.5	41.83	Peak	101.00	100	Vertical	Pass

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.430	20.66	-25.26	40.0	19.34	Peak	139.00	100	Horizontal	Pass
2	65.502	17.64	-27.42	40.0	22.36	Peak	81.00	100	Horizontal	Pass
3	100.470	16.77	-25.72	43.5	26.73	Peak	104.00	100	Horizontal	Pass
4	240.199	25.62	-24.54	46.0	20.38	Peak	84.00	100	Horizontal	Pass
5	328.129	23.55	-22.68	46.0	22.45	Peak	84.00	100	Horizontal	Pass
6	909.256	31.06	-8.65	46.0	14.94	Peak	156.00	100	Horizontal	Pass

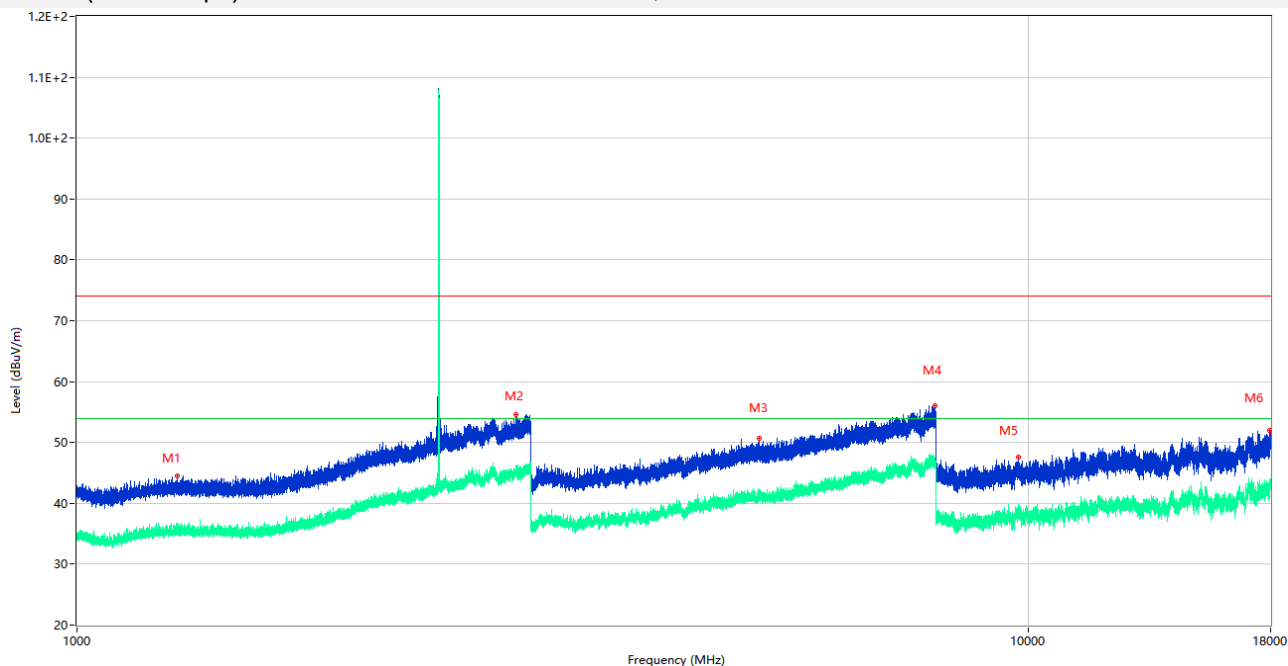
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.162	35.40	-25.64	40.0	4.60	Peak	59.00	100	Vertical	Pass
2	62.544	30.40	-26.65	40.0	9.60	Peak	103.00	100	Vertical	Pass
3	100.131	18.88	-25.70	43.5	24.62	Peak	13.00	100	Vertical	Pass
4	148.292	17.52	-29.76	43.5	25.98	Peak	47.00	100	Vertical	Pass
5	422.171	21.70	-19.87	46.0	24.30	Peak	137.00	100	Vertical	Pass
6	907.607	30.38	-8.68	46.0	15.62	Peak	230.00	100	Vertical	Pass

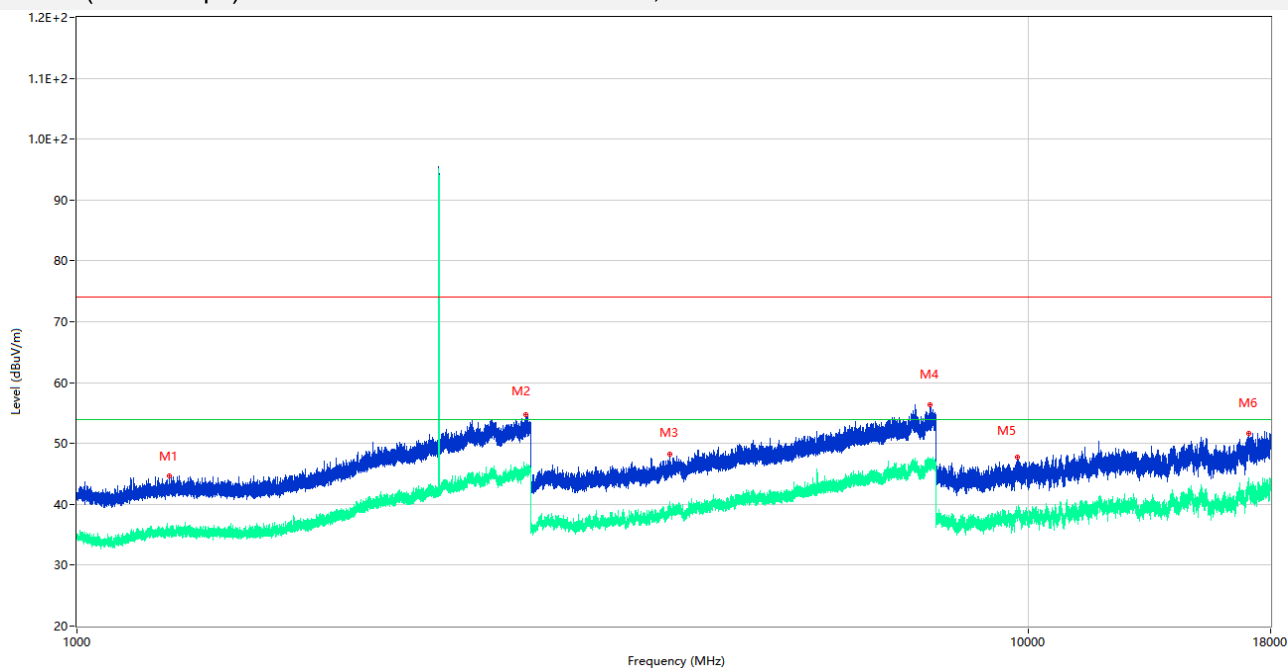
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

GFSK (BLE 1Mbps) 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	1275.900	44.48	74.0	29.52	Peak	346.00	100	Horizontal	Pass
1**	1275.900	35.37	54.0	18.63	AV	346.00	100	Horizontal	Pass
2	2892.300	54.52	74.0	19.48	Peak	302.00	100	Horizontal	Pass
2**	2892.300	44.97	54.0	9.03	AV	302.00	100	Horizontal	Pass
3	5214.250	50.68	74.0	23.32	Peak	104.00	100	Horizontal	Pass
3**	5214.250	40.80	54.0	13.20	AV	104.00	100	Horizontal	Pass
4	7983.000	55.99	74.0	18.01	Peak	129.00	100	Horizontal	Pass
4**	7983.000	46.82	54.0	7.18	AV	129.00	100	Horizontal	Pass
5	9761.299	47.55	74.0	26.45	Peak	99.00	100	Horizontal	Pass
5**	9761.299	38.20	54.0	15.80	AV	99.00	100	Horizontal	Pass
6	17978.212	52.06	74.0	21.94	Peak	270.00	100	Horizontal	Pass
6**	17978.212	42.93	54.0	11.07	AV	270.00	100	Horizontal	Pass

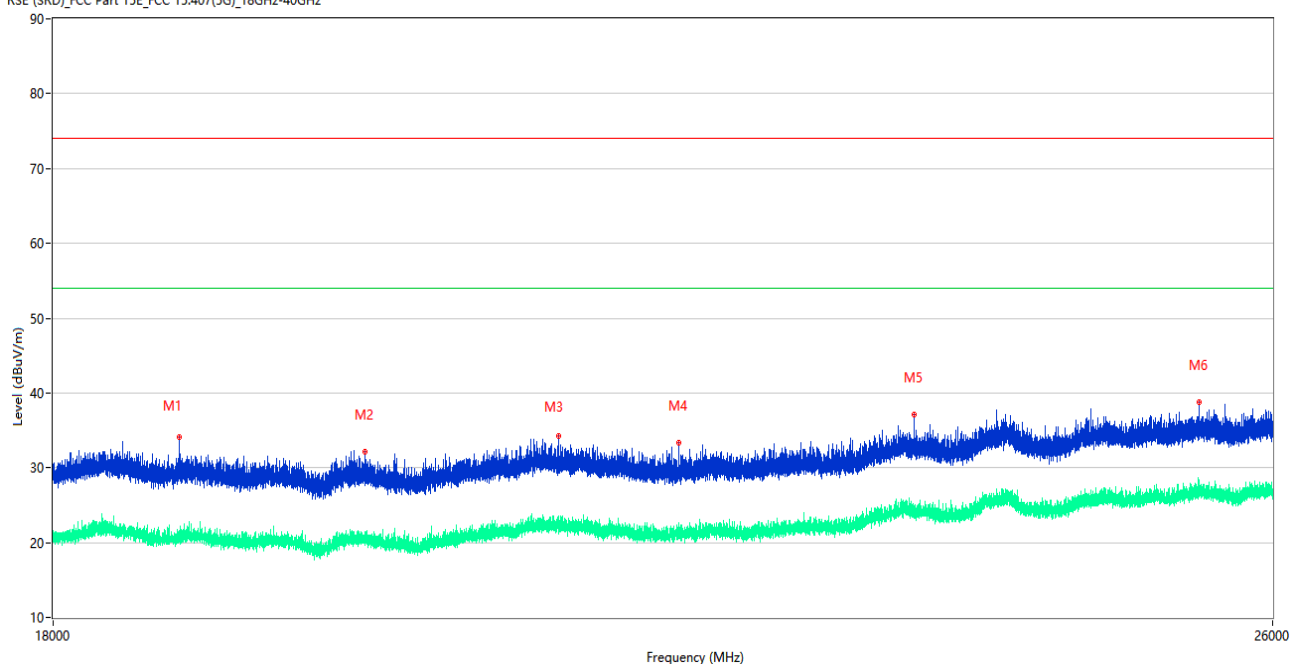
GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1249.700	44.72	74.0	29.28	Peak	360.00	100	Vertical	Pass
1**	1249.700	35.24	54.0	18.76	AV	360.00	100	Vertical	Pass
2	2967.000	54.67	74.0	19.33	Peak	234.00	100	Vertical	Pass
2**	2967.000	45.22	54.0	8.78	AV	234.00	100	Vertical	Pass
3	4204.250	48.32	74.0	25.68	Peak	0.00	100	Vertical	Pass
3**	4204.250	38.92	54.0	15.08	AV	0.00	100	Vertical	Pass
4	7882.000	56.43	74.0	17.57	Peak	16.00	100	Vertical	Pass
4**	7882.000	46.16	54.0	7.84	AV	16.00	100	Vertical	Pass
5	9759.162	47.78	74.0	26.22	Peak	346.00	100	Vertical	Pass
5**	9759.162	38.07	54.0	15.93	AV	346.00	100	Vertical	Pass
6	17063.926	51.58	74.0	22.42	Peak	348.00	100	Vertical	Pass
6**	17063.926	42.55	54.0	11.45	AV	348.00	100	Vertical	Pass

GFSK (BLE 1Mbps) LOW CHANNEL 18 GHz to 26 GHz, ANT H

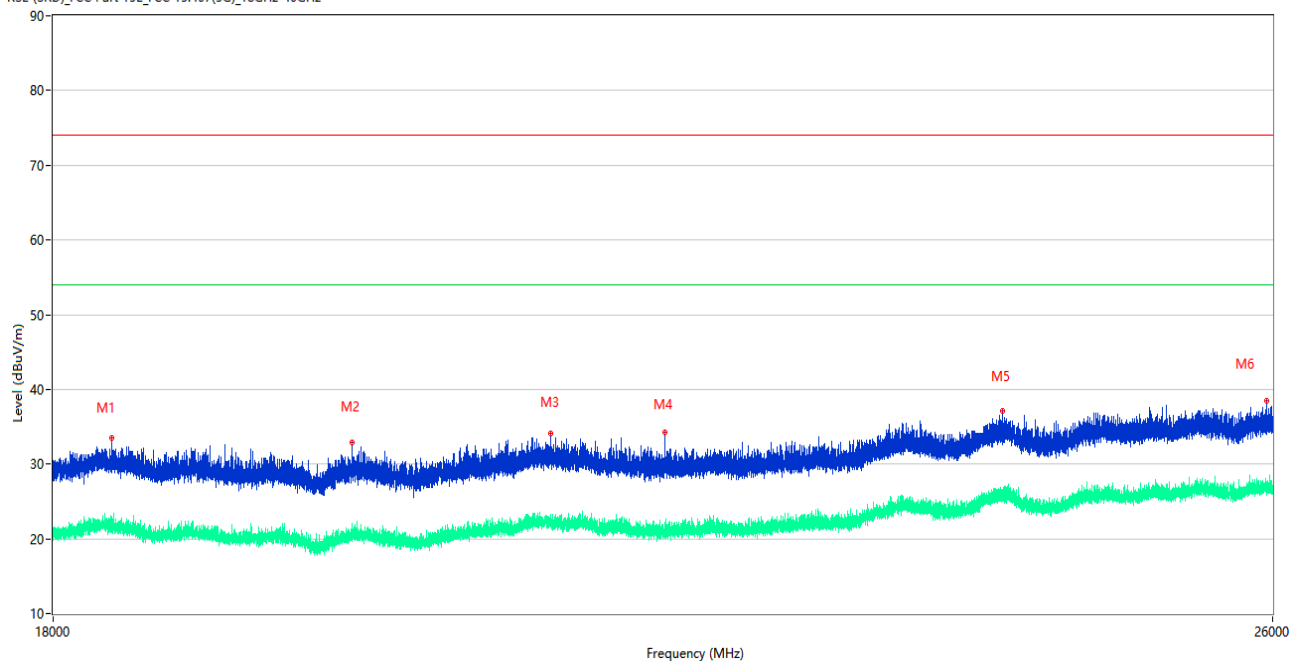
RSE (SRD)_FCC Part 15E_FCC 15.407(5G)_18GHz-40GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	18699.263	34.11	74.0	39.90	Peak	342.00	400	Horizontal	Pass
1**	18699.263	20.68	54.0	33.32	AV	342.00	400	Horizontal	Pass
2	19771.778	32.21	74.0	41.79	Peak	114.00	200	Horizontal	Pass
2**	19771.778	20.60	54.0	33.40	AV	114.00	200	Horizontal	Pass
3	20806.831	34.32	74.0	39.68	Peak	58.00	200	Horizontal	Pass
3**	20806.831	22.27	54.0	31.73	AV	58.00	200	Horizontal	Pass
4	21737.850	33.30	74.0	40.70	Peak	313.00	200	Horizontal	Pass
4**	21737.850	21.27	54.0	32.73	AV	313.00	200	Horizontal	Pass
5	23330.936	37.13	74.0	36.87	Peak	101.00	400	Horizontal	Pass
5**	23330.936	24.60	54.0	29.41	AV	101.00	400	Horizontal	Pass
6	25433.463	38.95	74.0	35.05	Peak	252.00	200	Horizontal	Pass
6**	25433.463	26.44	54.0	27.56	AV	252.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) LOW CHANNEL 18 GHz to 26 GHz, ANT V

RSE (SRD)_FCC Part 15E_FCC 15.407(5G)_18GHz-40GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	18315.900	33.41	74.0	40.59	Peak	216.00	400	Vertical	Pass
1**	18315.900	19.62	54.0	34.38	AV	216.00	400	Vertical	Pass
2	19701.227	32.33	74.0	41.67	Peak	304.00	100	Vertical	Pass
2**	19701.227	21.19	54.0	32.81	AV	304.00	100	Vertical	Pass
3	20912.073	36.27	74.0	37.73	Peak	114.00	200	Vertical	Pass
3**	20912.073	21.91	54.0	32.09	AV	114.00	200	Vertical	Pass
4	21642.814	35.97	74.0	38.03	Peak	62.00	100	Vertical	Pass
4**	21642.814	21.46	54.0	32.54	AV	62.00	100	Vertical	Pass
5	23573.811	39.75	74.0	34.25	Peak	224.00	200	Vertical	Pass
5**	23573.811	25.08	54.0	28.92	AV	224.00	200	Vertical	Pass
6	25829.537	37.35	74.0	36.65	Peak	224.00	400	Vertical	Pass
6**	25829.537	28.30	54.0	25.70	AV	224.00	400	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	1278.788	43.91	74.0	30.09	Peak	275.00	300	Horizontal	Pass
1**	1278.788	35.30	54.0	18.70	AV	275.00	300	Horizontal	Pass
2	2890.489	54.14	74.0	19.86	Peak	30.00	400	Horizontal	Pass
2**	2890.489	44.65	54.0	9.36	AV	30.00	400	Horizontal	Pass
3	5217.779	50.34	74.0	23.66	Peak	358.00	200	Horizontal	Pass
3**	5217.779	39.93	54.0	14.07	AV	358.00	200	Horizontal	Pass
4	7981.898	55.40	74.0	18.60	Peak	195.00	100	Horizontal	Pass
4**	7981.898	46.18	54.0	7.82	AV	195.00	100	Horizontal	Pass
5	9758.904	47.66	74.0	26.34	Peak	208.00	200	Horizontal	Pass
5**	9758.904	38.00	54.0	16.01	AV	208.00	200	Horizontal	Pass
6	17974.884	51.69	74.0	22.31	Peak	180.00	300	Horizontal	Pass
6**	17974.884	42.89	54.0	11.11	AV	180.00	300	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	1253.056	43.94	74.0	30.06	Peak	222.00	300	Vertical	Pass
1**	1253.056	35.06	54.0	18.94	AV	222.00	300	Vertical	Pass
2	2963.594	53.98	74.0	20.02	Peak	81.00	100	Vertical	Pass
2**	2963.594	44.91	54.0	9.09	AV	81.00	100	Vertical	Pass
3	4201.034	48.12	74.0	25.88	Peak	144.00	200	Vertical	Pass
3**	4201.034	38.16	54.0	15.84	AV	144.00	200	Vertical	Pass
4	7882.406	55.49	74.0	18.51	Peak	311.00	300	Vertical	Pass
4**	7882.406	45.99	54.0	8.01	AV	311.00	300	Vertical	Pass
5	9762.279	47.31	74.0	26.69	Peak	57.00	300	Vertical	Pass
5**	9762.279	37.44	54.0	16.56	AV	57.00	300	Vertical	Pass
6	17062.246	51.22	74.0	22.78	Peak	313.00	200	Vertical	Pass
6**	17062.246	42.13	54.0	11.87	AV	313.00	200	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	1276.020	44.60	74.0	29.40	Peak	102.00	400	Horizontal	Pass
1**	1276.020	35.53	54.0	18.47	AV	102.00	400	Horizontal	Pass
2	2891.627	54.13	74.0	19.87	Peak	211.00	400	Horizontal	Pass
2**	2891.627	44.45	54.0	9.56	AV	211.00	400	Horizontal	Pass
3	5213.531	50.04	74.0	23.96	Peak	274.00	200	Horizontal	Pass
3**	5213.531	40.63	54.0	13.37	AV	274.00	200	Horizontal	Pass
4	7985.186	55.23	74.0	18.77	Peak	151.00	400	Horizontal	Pass
4**	7985.186	46.87	54.0	7.13	AV	151.00	400	Horizontal	Pass
5	9762.657	47.68	74.0	26.32	Peak	3.00	100	Horizontal	Pass
5**	9762.657	37.40	54.0	16.61	AV	3.00	100	Horizontal	Pass
6	17981.737	52.26	74.0	21.74	Peak	80.00	100	Horizontal	Pass
6**	17981.737	42.22	54.0	11.78	AV	80.00	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	1248.979	44.74	74.0	29.26	Peak	355.00	400	Vertical	Pass
1**	1248.979	35.28	54.0	18.73	AV	355.00	400	Vertical	Pass
2	2963.988	54.87	74.0	19.13	Peak	106.00	100	Vertical	Pass
2**	2963.988	45.26	54.0	8.74	AV	106.00	100	Vertical	Pass
3	4202.560	48.25	74.0	25.76	Peak	59.00	200	Vertical	Pass
3**	4202.560	39.01	54.0	14.99	AV	59.00	200	Vertical	Pass
4	7880.924	56.36	74.0	17.64	Peak	236.00	100	Vertical	Pass
4**	7880.924	46.38	54.0	7.63	AV	236.00	100	Vertical	Pass
5	9759.651	47.79	74.0	26.21	Peak	201.00	400	Vertical	Pass
5**	9759.651	38.25	54.0	15.75	AV	201.00	400	Vertical	Pass
6	17064.361	51.79	74.0	22.21	Peak	311.00	100	Vertical	Pass
6**	17064.361	42.61	54.0	11.39	AV	311.00	100	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	1283.554	44.66	74.0	29.34	Peak	214.00	200	Horizontal	Pass
1**	1283.554	34.98	54.0	19.02	AV	214.00	200	Horizontal	Pass
2	2769.032	53.83	74.0	20.17	Peak	313.00	100	Horizontal	Pass
2**	2769.032	44.80	54.0	9.21	AV	313.00	100	Horizontal	Pass
3	5167.166	50.21	74.0	23.79	Peak	50.00	200	Horizontal	Pass
3**	5167.166	40.64	54.0	13.36	AV	50.00	200	Horizontal	Pass
4	6809.587	55.92	74.0	18.08	Peak	219.00	400	Horizontal	Pass
4**	6809.587	46.25	54.0	7.75	AV	219.00	400	Horizontal	Pass
5	13465.214	46.80	74.0	27.20	Peak	229.00	200	Horizontal	Pass
5**	13465.214	37.82	54.0	16.19	AV	229.00	200	Horizontal	Pass
6	17462.955	52.27	74.0	21.73	Peak	291.00	300	Horizontal	Pass
6**	17462.955	42.66	54.0	11.34	AV	291.00	300	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	1284.163	44.78	74.0	29.22	Peak	145.00	100	Vertical	Pass
1**	1284.163	35.25	54.0	18.75	AV	145.00	100	Vertical	Pass
2	2773.027	54.86	74.0	19.15	Peak	308.00	400	Vertical	Pass
2**	2773.027	45.24	54.0	8.76	AV	308.00	400	Vertical	Pass
3	5165.550	48.34	74.0	25.66	Peak	266.00	200	Vertical	Pass
3**	5165.550	39.00	54.0	15.00	AV	266.00	200	Vertical	Pass
4	6802.433	56.38	74.0	17.62	Peak	144.00	100	Vertical	Pass
4**	6802.433	46.38	54.0	7.62	AV	144.00	100	Vertical	Pass
5	13467.664	47.85	74.0	26.15	Peak	223.00	300	Vertical	Pass
5**	13467.664	38.23	54.0	15.77	AV	223.00	300	Vertical	Pass
6	17464.251	51.86	74.0	22.14	Peak	283.00	400	Vertical	Pass
6**	17464.251	42.57	54.0	11.43	AV	283.00	400	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	1288.368	44.15	74.0	29.85	Peak	345.00	300	Horizontal	Pass
1**	1288.368	34.73	54.0	19.27	AV	345.00	300	Horizontal	Pass
2	2768.260	53.66	74.0	20.34	Peak	360.00	400	Horizontal	Pass
2**	2768.260	44.54	54.0	9.47	AV	360.00	400	Horizontal	Pass
3	5171.056	50.44	74.0	23.56	Peak	347.00	200	Horizontal	Pass
3**	5171.056	40.63	54.0	13.37	AV	347.00	200	Horizontal	Pass
4	6803.396	55.34	74.0	18.66	Peak	63.00	300	Horizontal	Pass
4**	6803.396	46.36	54.0	7.64	AV	63.00	300	Horizontal	Pass
5	13468.791	46.89	74.0	27.11	Peak	258.00	400	Horizontal	Pass
5**	13468.791	37.74	54.0	16.27	AV	258.00	400	Horizontal	Pass
6	17463.531	52.31	74.0	21.69	Peak	309.00	200	Horizontal	Pass
6**	17463.531	42.13	54.0	11.87	AV	309.00	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	1282.560	44.72	74.0	29.28	Peak	44.00	200	Vertical	Pass
1**	1282.560	35.27	54.0	18.73	AV	44.00	200	Vertical	Pass
2	2771.852	54.84	74.0	19.16	Peak	204.00	200	Vertical	Pass
2**	2771.852	45.30	54.0	8.70	AV	204.00	200	Vertical	Pass
3	5165.879	48.29	74.0	25.71	Peak	353.00	200	Vertical	Pass
3**	5165.879	39.00	54.0	15.00	AV	353.00	200	Vertical	Pass
4	6805.093	56.41	74.0	17.60	Peak	315.00	200	Vertical	Pass
4**	6805.093	46.41	54.0	7.59	AV	315.00	200	Vertical	Pass
5	13470.606	47.80	74.0	26.20	Peak	197.00	100	Vertical	Pass
5**	13470.606	38.22	54.0	15.78	AV	197.00	100	Vertical	Pass
6	17467.211	51.82	74.0	22.19	Peak	236.00	400	Vertical	Pass
6**	17467.211	42.58	54.0	11.42	AV	236.00	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	1286.039	44.36	74.0	29.64	Peak	315.00	200	Horizontal	Pass
1**	1286.039	34.55	54.0	19.45	AV	315.00	200	Horizontal	Pass
2	2768.536	54.08	74.0	19.92	Peak	20.00	200	Horizontal	Pass
2**	2768.536	44.69	54.0	9.32	AV	20.00	200	Horizontal	Pass
3	5389.854	49.85	74.0	24.15	Peak	191.00	200	Horizontal	Pass
3**	5389.854	40.49	54.0	13.51	AV	191.00	200	Horizontal	Pass
4	6514.867	55.81	74.0	18.19	Peak	71.00	100	Horizontal	Pass
4**	6514.867	45.97	54.0	8.03	AV	71.00	100	Horizontal	Pass
5	13351.718	47.64	74.0	26.36	Peak	359.00	400	Horizontal	Pass
5**	13351.718	37.56	54.0	16.45	AV	359.00	400	Horizontal	Pass
6	17440.975	52.29	74.0	21.71	Peak	36.00	300	Horizontal	Pass
6**	17440.975	42.41	54.0	11.59	AV	36.00	300	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	1283.618	44.73	74.0	29.28	Peak	117.00	400	Vertical	Pass
1**	1283.618	35.29	54.0	18.71	AV	117.00	400	Vertical	Pass
2	2768.246	54.83	74.0	19.17	Peak	62.00	300	Vertical	Pass
2**	2768.246	45.26	54.0	8.74	AV	62.00	300	Vertical	Pass
3	5285.698	48.33	74.0	25.67	Peak	245.00	200	Vertical	Pass
3**	5285.698	39.02	54.0	14.98	AV	245.00	200	Vertical	Pass
4	6651.285	56.41	74.0	17.59	Peak	308.00	100	Vertical	Pass
4**	6651.285	46.44	54.0	7.56	AV	308.00	100	Vertical	Pass
5	13307.857	47.79	74.0	26.21	Peak	191.00	300	Vertical	Pass
5**	13307.857	38.20	54.0	15.80	AV	191.00	300	Vertical	Pass
6	17416.338	51.82	74.0	22.18	Peak	341.00	400	Vertical	Pass
6**	17416.338	42.54	54.0	11.47	AV	341.00	400	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.

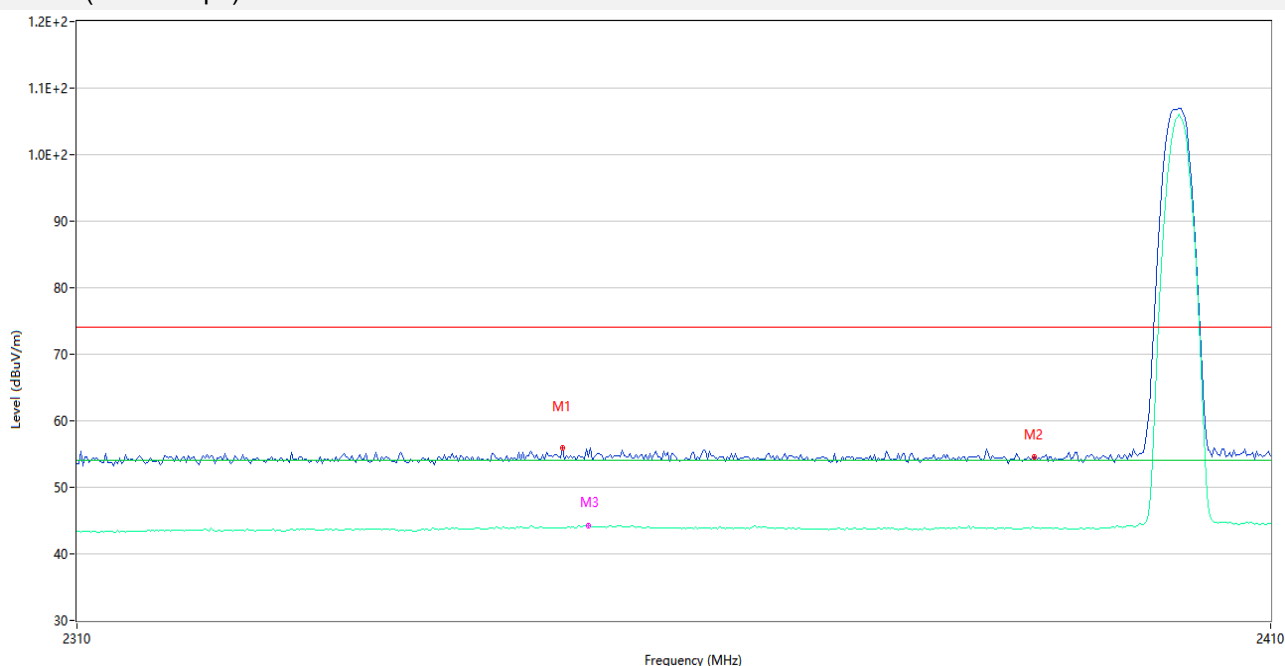
Note³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

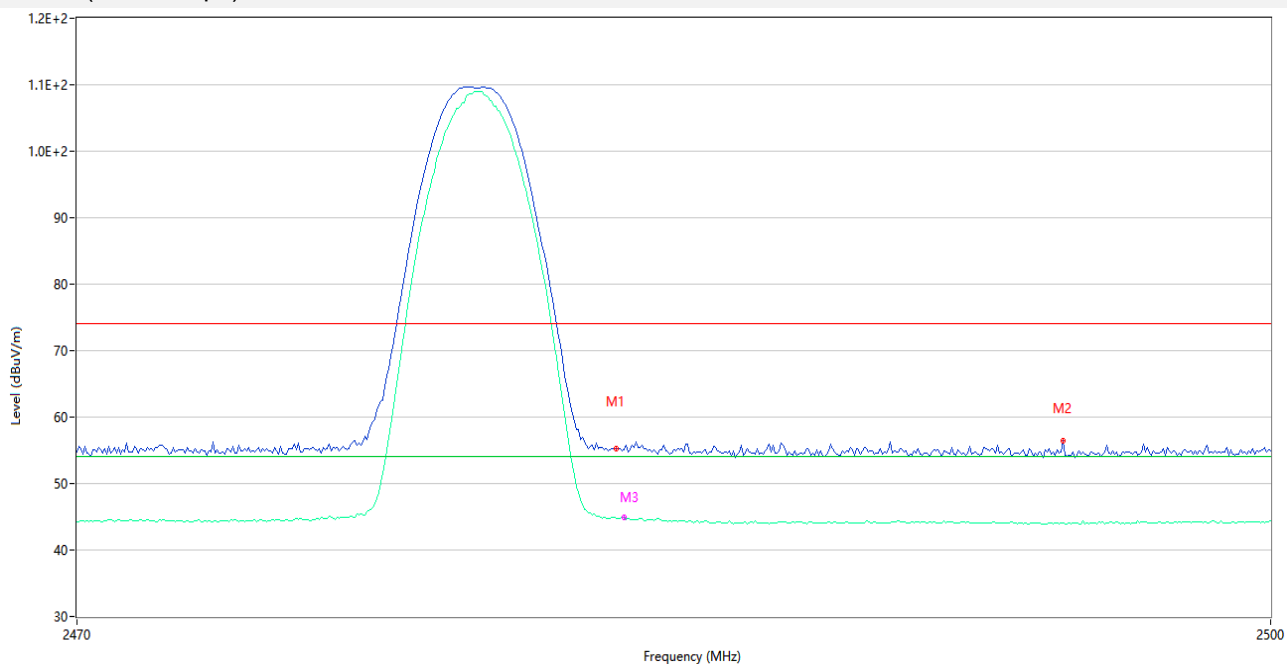
Test Data and Plots

GFSK (BLE 1Mbps) LOW CHANNEL



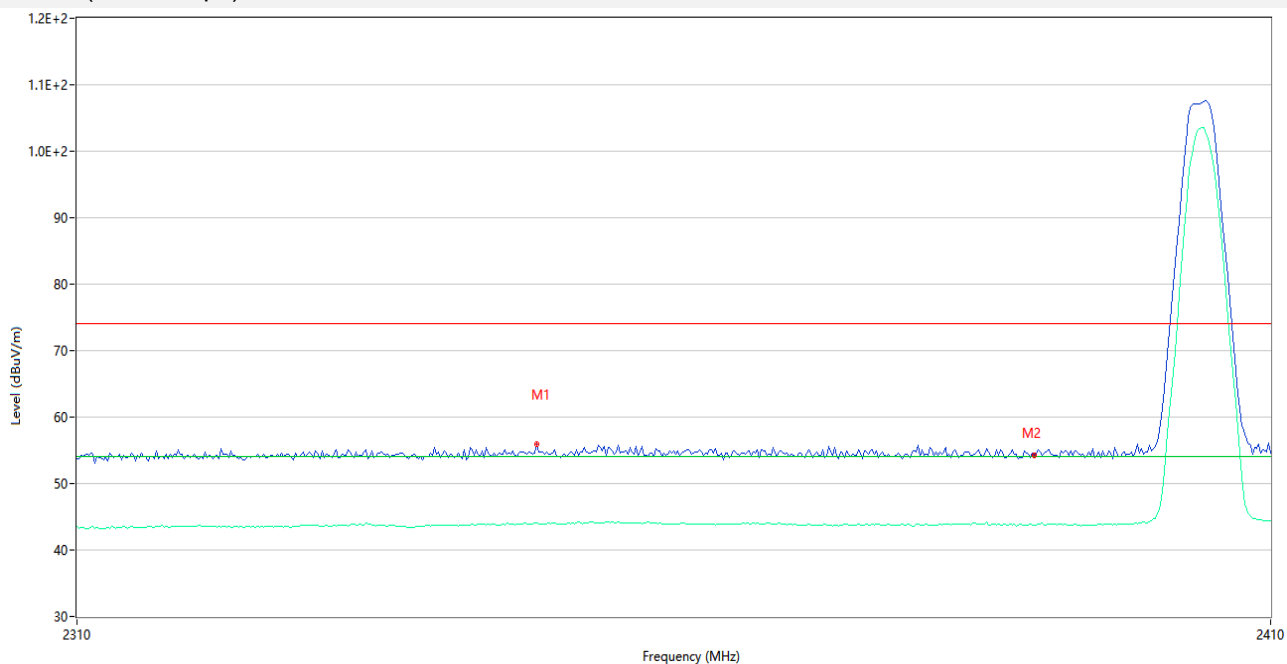
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2350.167	55.91	74.0	18.09	Peak	186.00	150	Horizontal	Pass
1**	2350.167	43.94	54.0	10.06	AV	186.00	150	Horizontal	Pass
2	2390.000	54.54	74.0	19.46	Peak	315.00	200	Horizontal	Pass
2**	2390.000	43.84	54.0	10.16	AV	315.00	200	Horizontal	Pass
3	2352.333	54.59	74.0	19.41	Peak	163.00	100	Horizontal	Pass
3**	2352.333	44.28	54.0	9.72	AV	163.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



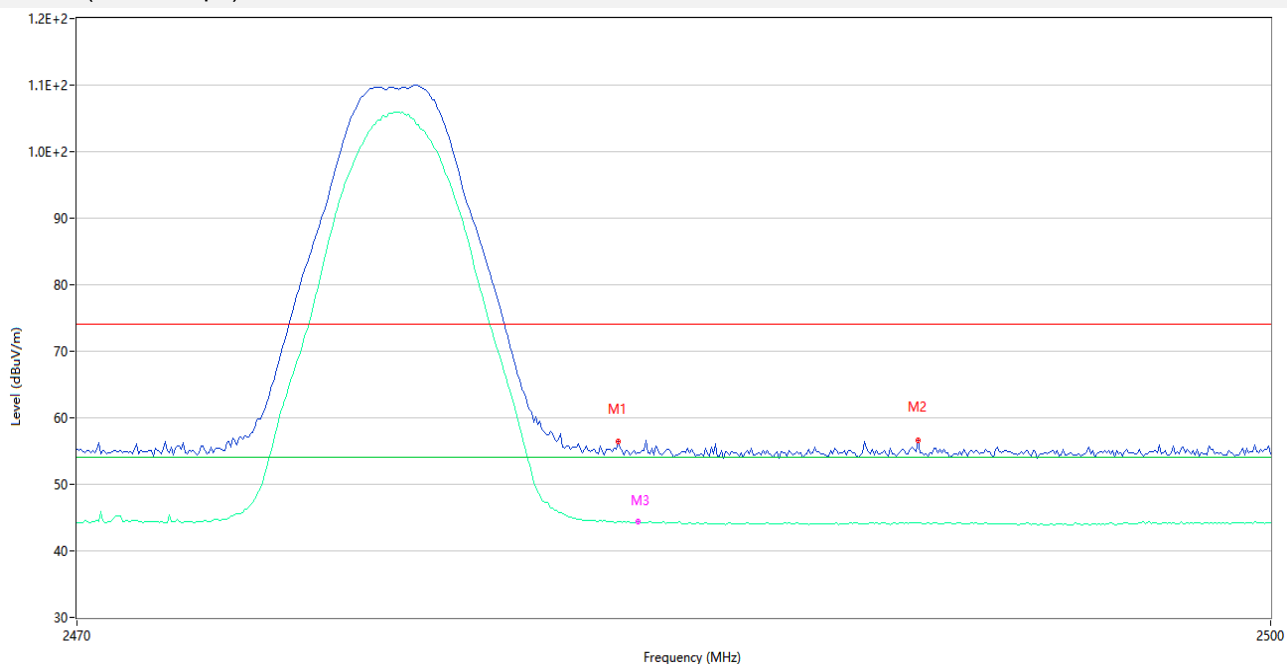
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.26	74.0	18.74	Peak	137.00	100	Horizontal	Pass
1**	2483.500	44.78	54.0	9.22	AV	137.00	100	Horizontal	Pass
2	2494.750	56.41	74.0	17.59	Peak	241.00	200	Horizontal	Pass
2**	2494.750	44.08	54.0	9.92	AV	241.00	200	Horizontal	Pass
3	2483.700	55.11	74.0	18.89	Peak	315.00	100	Horizontal	Pass
3**	2483.700	44.89	54.0	9.11	AV	315.00	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	2348.000	55.98	74.0	18.02	Peak	19.00	100	Horizontal	Pass
1**	2348.000	44.06	54.0	9.94	AV	19.00	100	Horizontal	Pass
2	2389.833	54.21	74.0	19.79	Peak	343.00	100	Horizontal	Pass
2**	2389.833	43.77	54.0	10.23	AV	343.00	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	56.37	74.0	17.63	Peak	106.00	200	Horizontal	Pass
1**	2483.500	44.36	54.0	9.64	AV	106.00	200	Horizontal	Pass
2	2491.100	56.65	74.0	17.35	Peak	19.00	100	Horizontal	Pass
2**	2491.100	44.16	54.0	9.84	AV	19.00	100	Horizontal	Pass
3	2484.050	54.76	74.0	19.24	Peak	134.00	100	Horizontal	Pass
3**	2484.050	44.42	54.0	9.58	AV	134.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

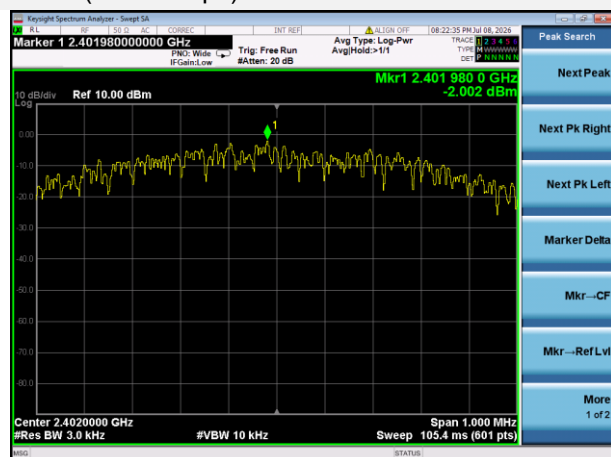
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-2.00	8	Pass
Middle Channel	-2.39	8	Pass
High Channel	-2.59	8	Pass

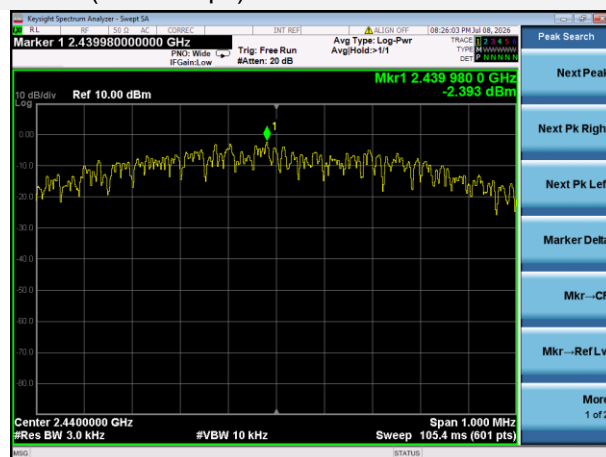
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-5.76	8	Pass
Middle Channel	-7.00	8	Pass
High Channel	-6.18	8	Pass

Test Plots

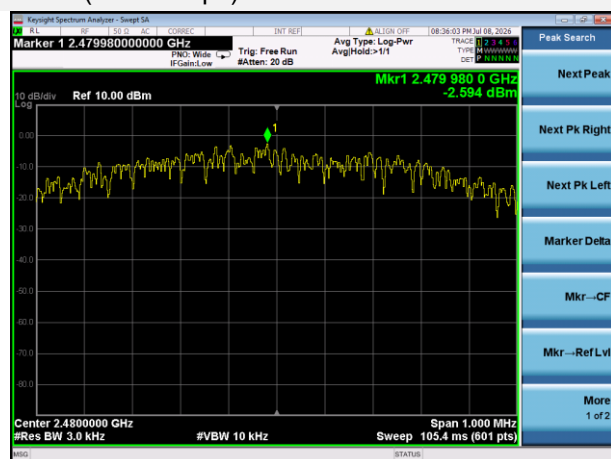
GFSK (BLE 1Mbps) LOW CHANNEL



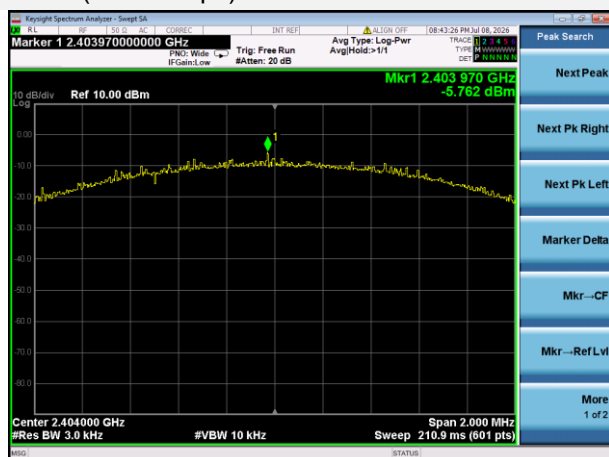
GFSK (BLE 1Mbps) MIDDLE CHANNEL



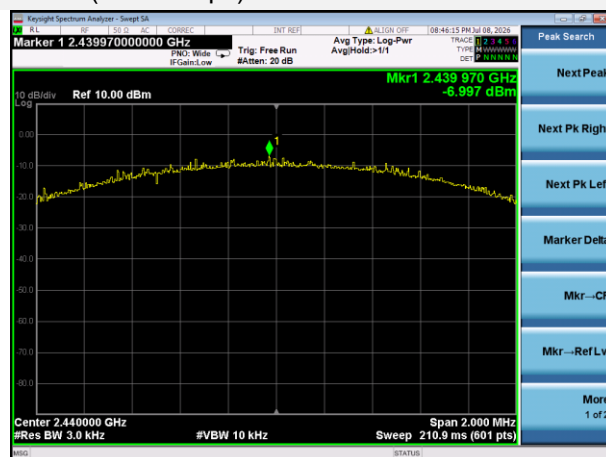
GFSK (BLE 1Mbps) HIGH CHANNEL



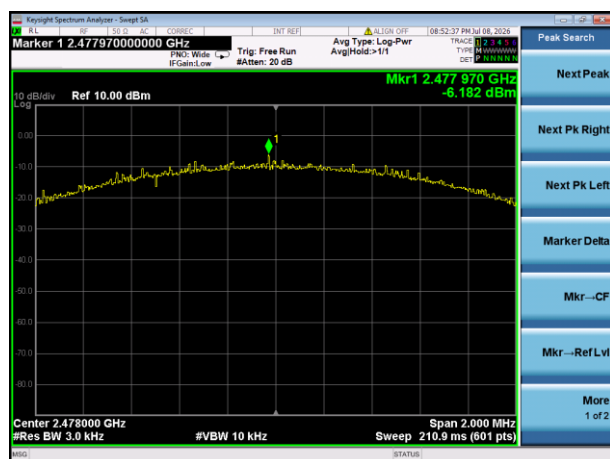
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26060419-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26060419-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26060419-AI.PDF”.

Statement

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--END OF REPORT--