

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

W0BG

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.54	15.56	-4.44	Pass
High Channel	-57.28	13.86	-6.14	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.20	15.85	-4.15	Pass
High Channel	-57.65	14.82	-5.18	Pass

GFSK (BLE Code 8)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-42.69	16.17	-3.83	Pass
High Channel	-58.22	14.52	-5.48	Pass

GFSK (BLE Code 2)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-46.21	15.04	-4.96	Pass
High Channel	-57.03	13.31	-6.69	Pass

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GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-43.92	15.75	-4.25	Pass
High Channel	-57.06	14.70	-5.30	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.55	16.12	-3.88	Pass
High Channel	-57.41	15.66	-4.34	Pass

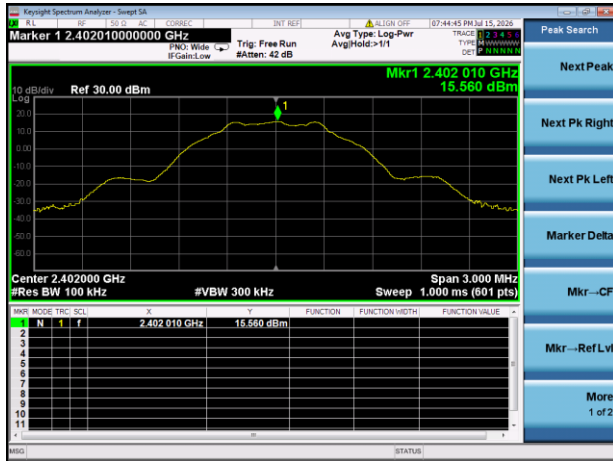
GFSK (BLE Code 8)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.77	16.30	-3.70	Pass
High Channel	-57.09	15.44	-4.56	Pass

GFSK (BLE Code 2)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.53	15.49	-4.51	Pass
High Channel	-56.58	14.30	-5.71	Pass

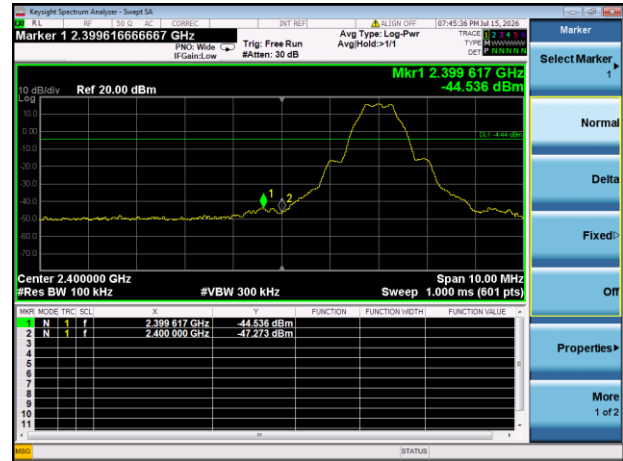
Test Plots

W0BG

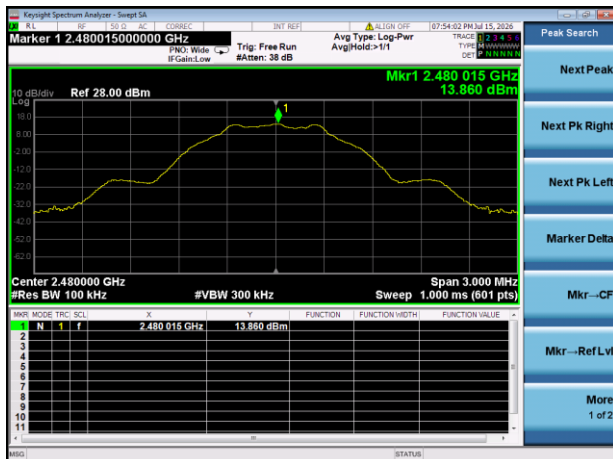
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



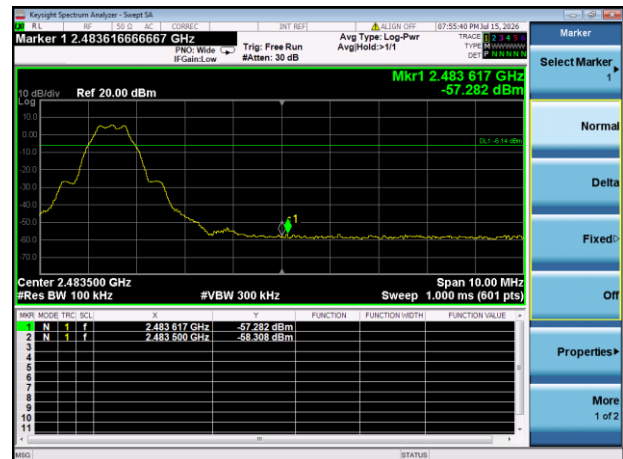
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



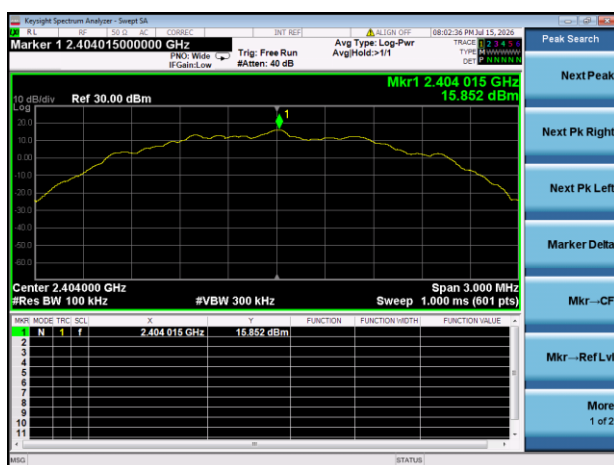
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



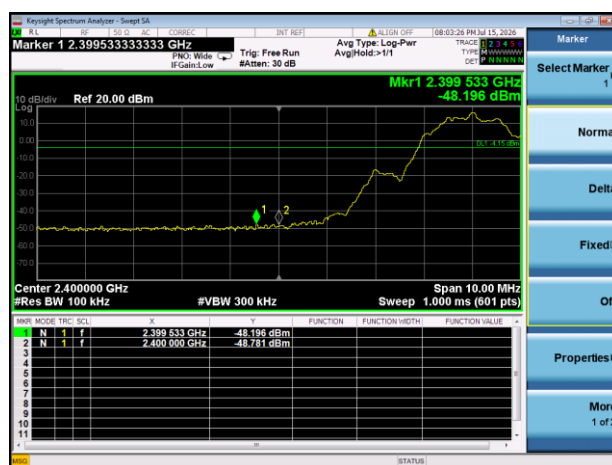
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



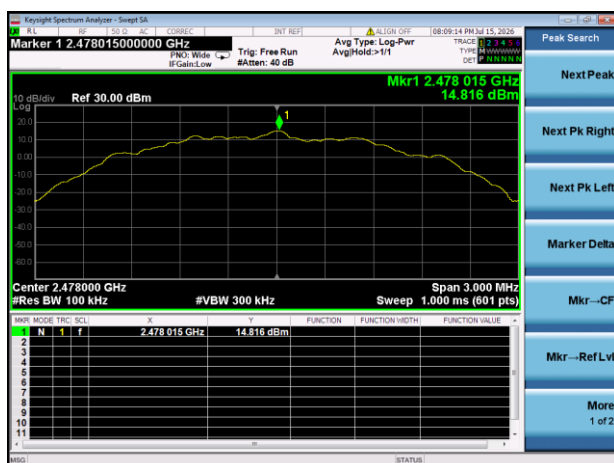
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



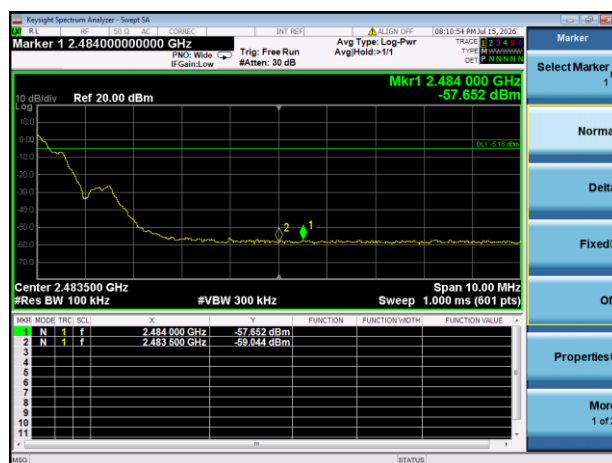
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



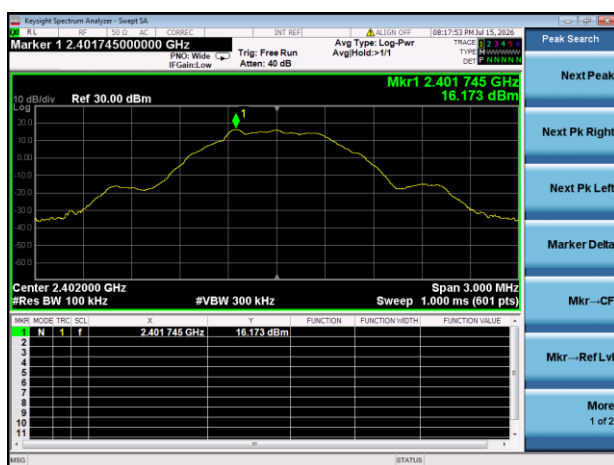
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



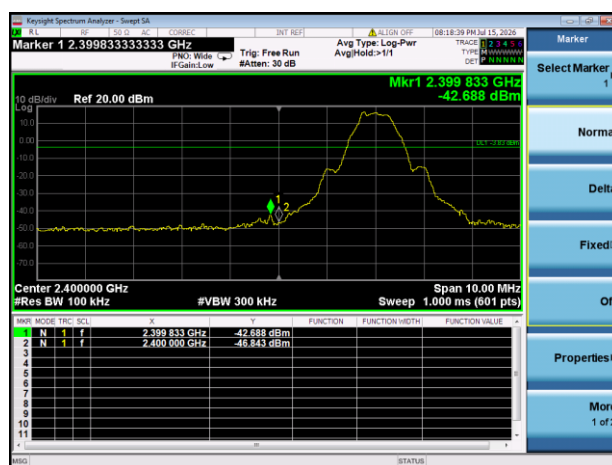
GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



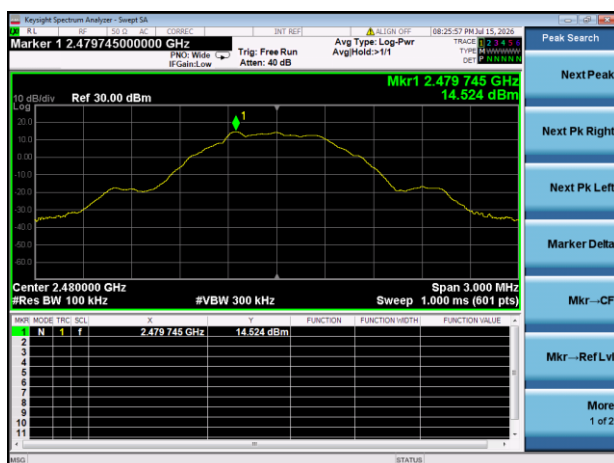
GFSK (BLE Code 8) LOW CHANNEL, CARRIER LEVEL



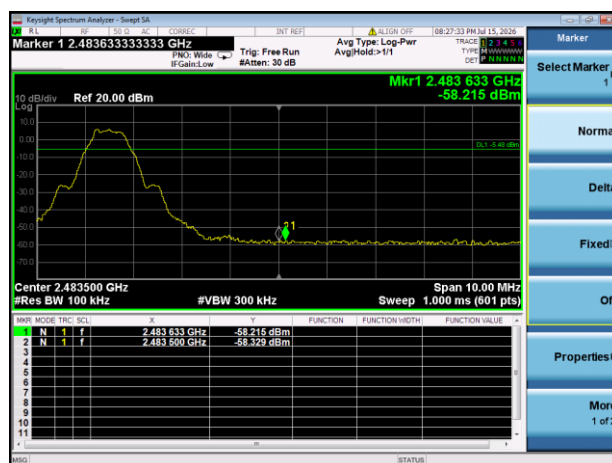
GFSK (BLE Code 8) LOW CHANNEL, BAND EDGE



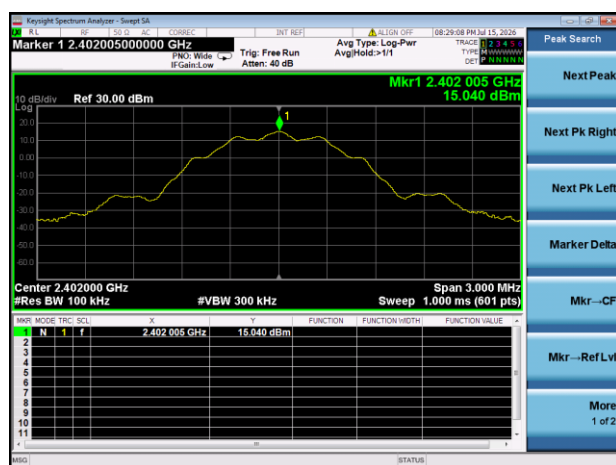
GFSK (BLE Code 8) HIGH CHANNEL, CARRIER LEVEL



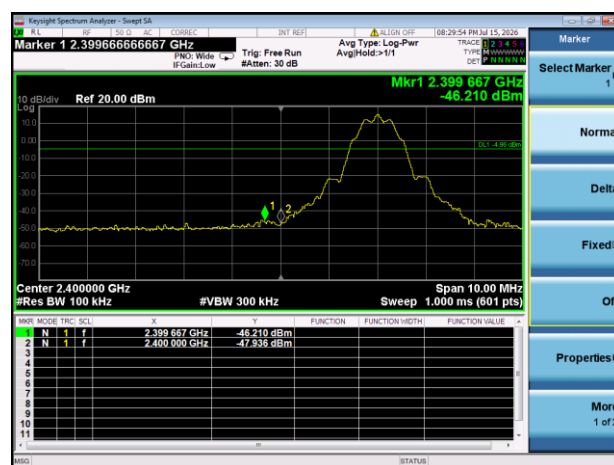
GFSK (BLE Code 8) HIGH CHANNEL, BAND EDGE



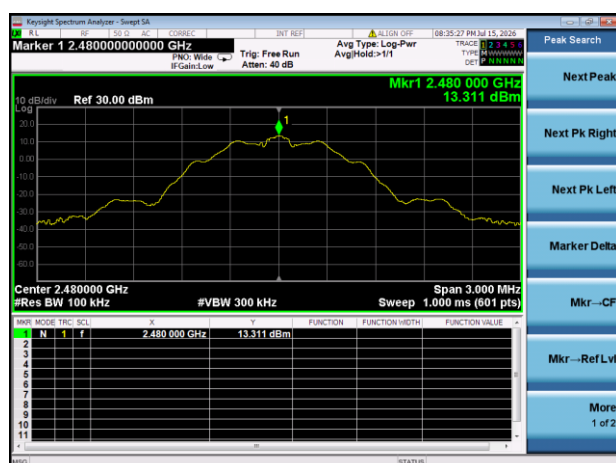
GFSK (BLE Code 2) LOW CHANNEL, CARRIER LEVEL



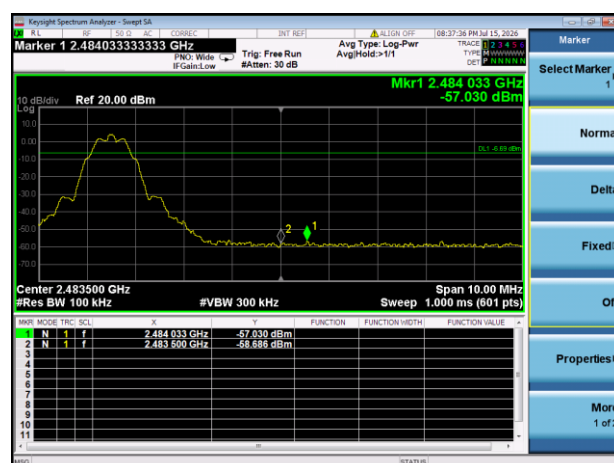
GFSK (BLE Code 2) LOW CHANNEL, BAND EDGE



GFSK (BLE Code 2) HIGH CHANNEL, CARRIER LEVEL

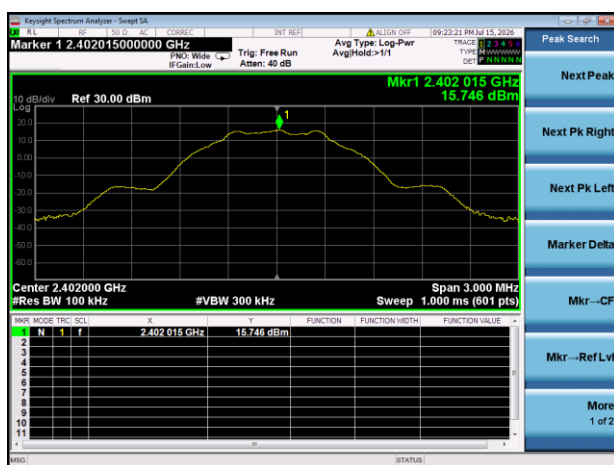


GFSK (BLE Code 2) HIGH CHANNEL, BAND EDGE

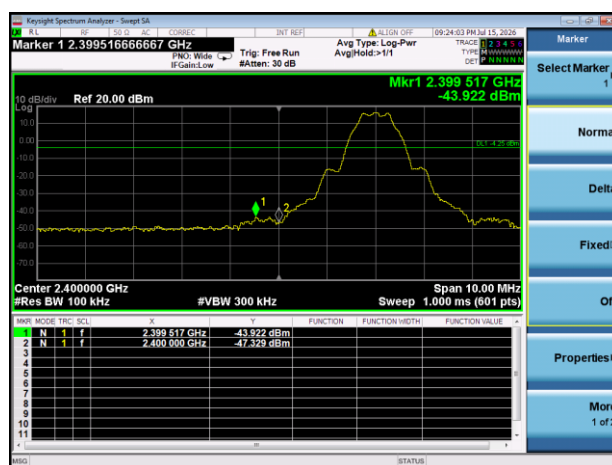


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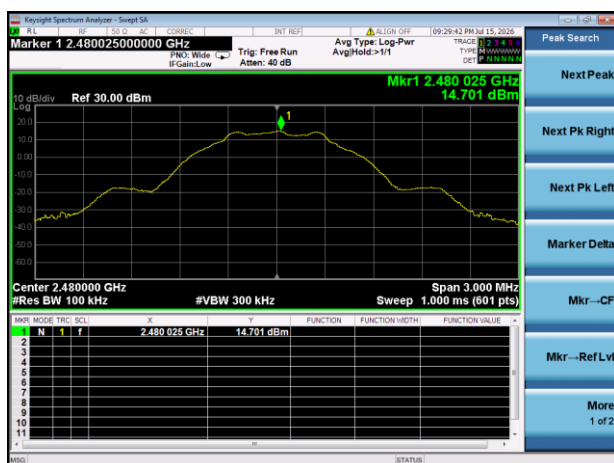
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



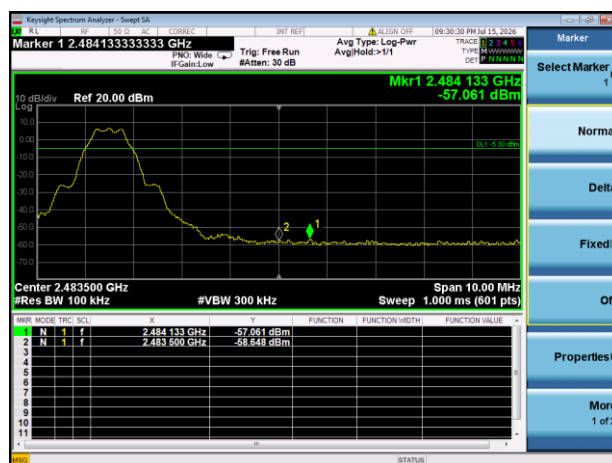
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



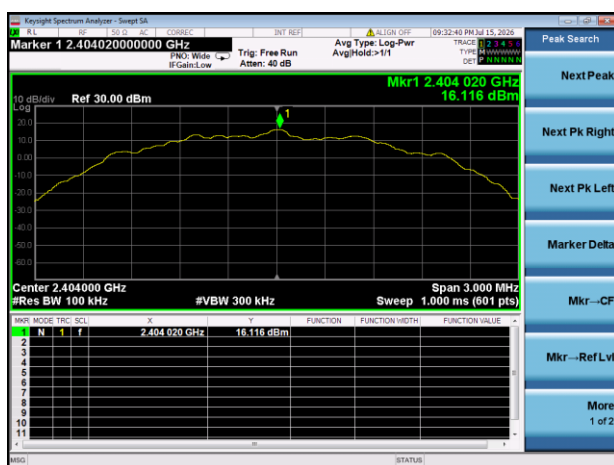
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



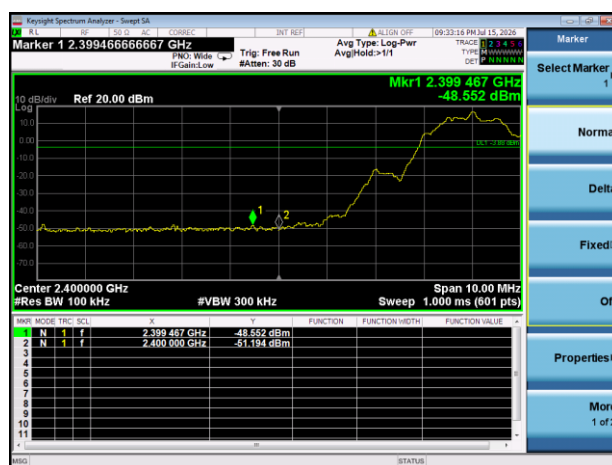
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



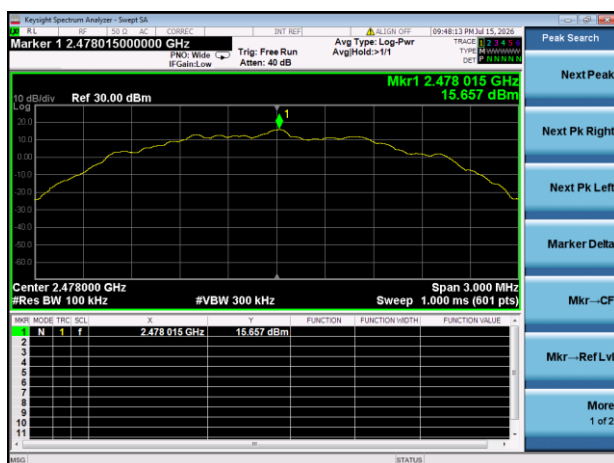
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



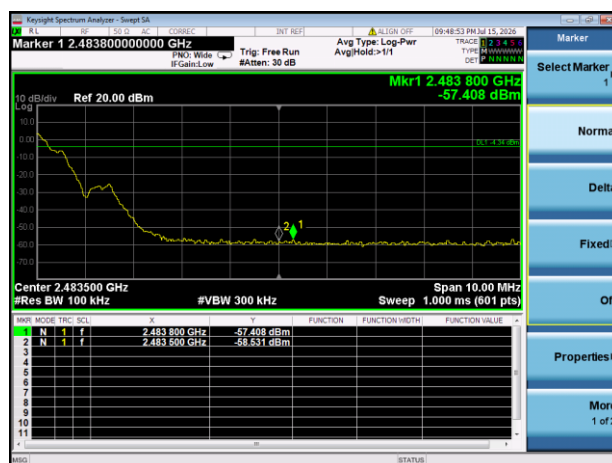
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



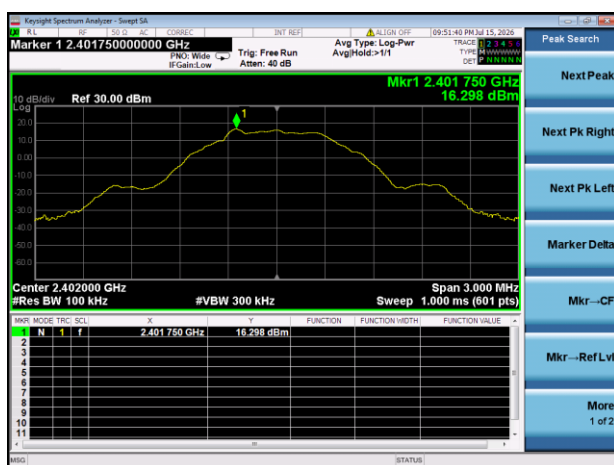
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



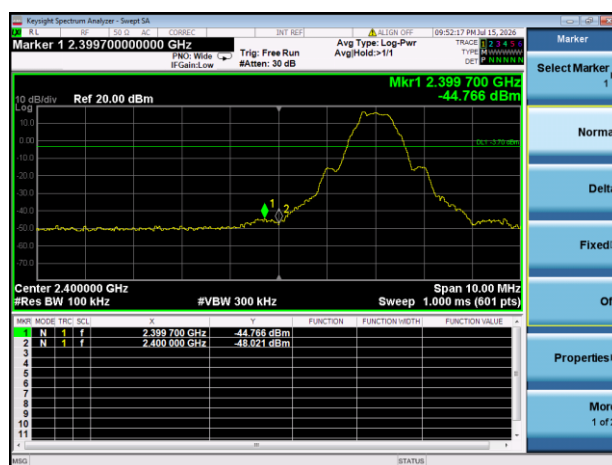
GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



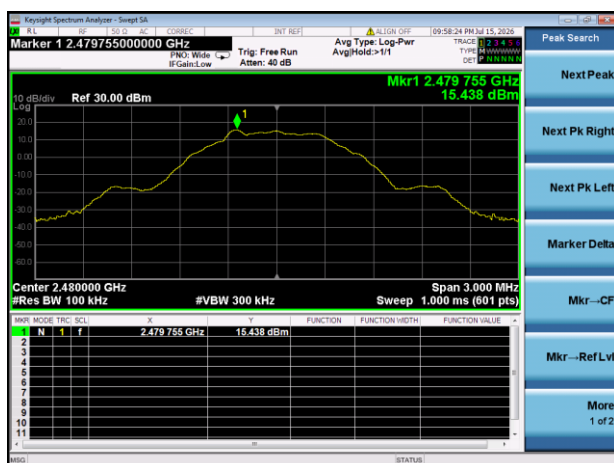
GFSK (BLE Code 8) LOW CHANNEL, CARRIER LEVEL



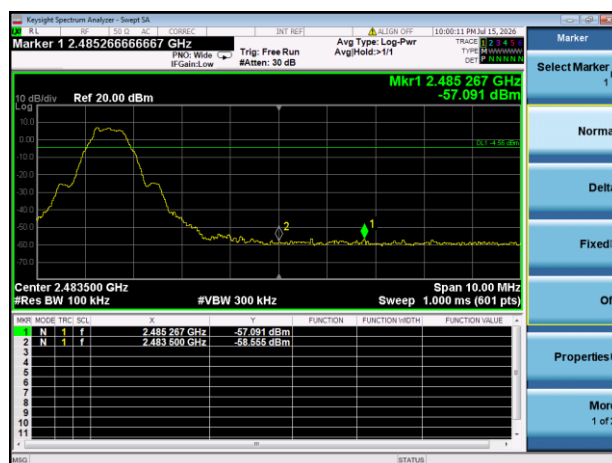
GFSK (BLE Code 8) LOW CHANNEL, BAND EDGE



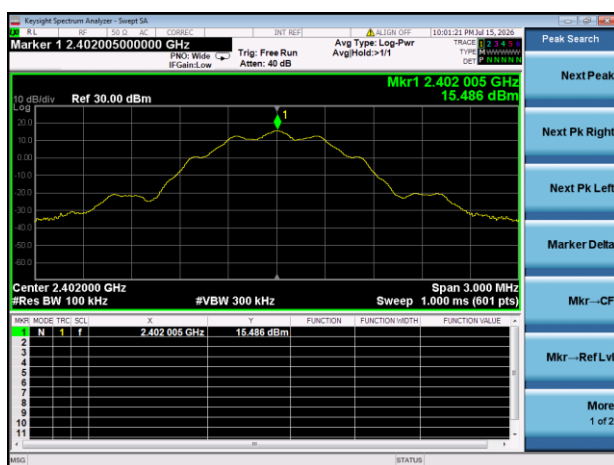
GFSK (BLE Code 8) HIGH CHANNEL, CARRIER LEVEL



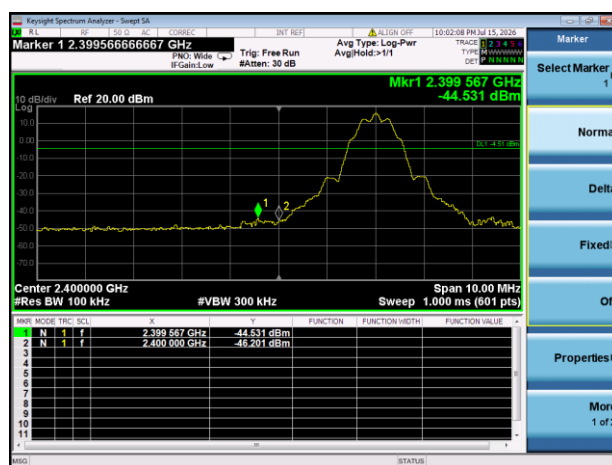
GFSK (BLE Code 8) HIGH CHANNEL, BAND EDGE



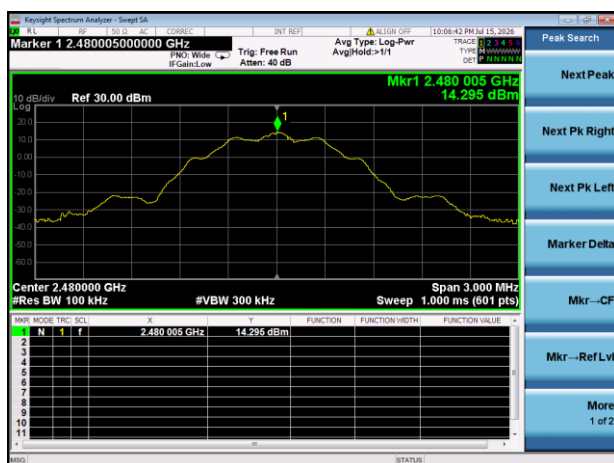
GFSK (BLE Code 2) LOW CHANNEL, CARRIER LEVEL



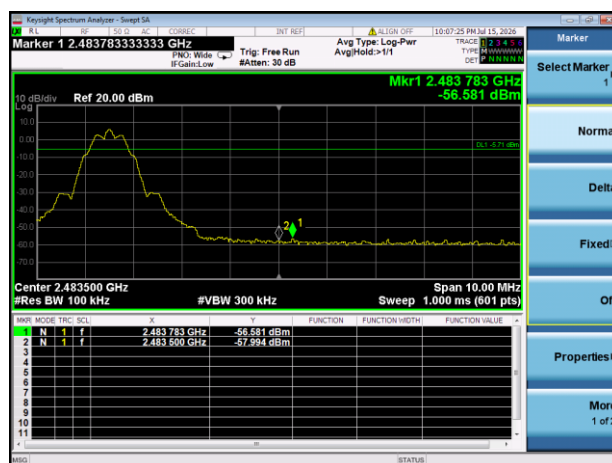
GFSK (BLE Code 2) LOW CHANNEL, BAND EDGE



GFSK (BLE Code 2) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE Code 2) 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.

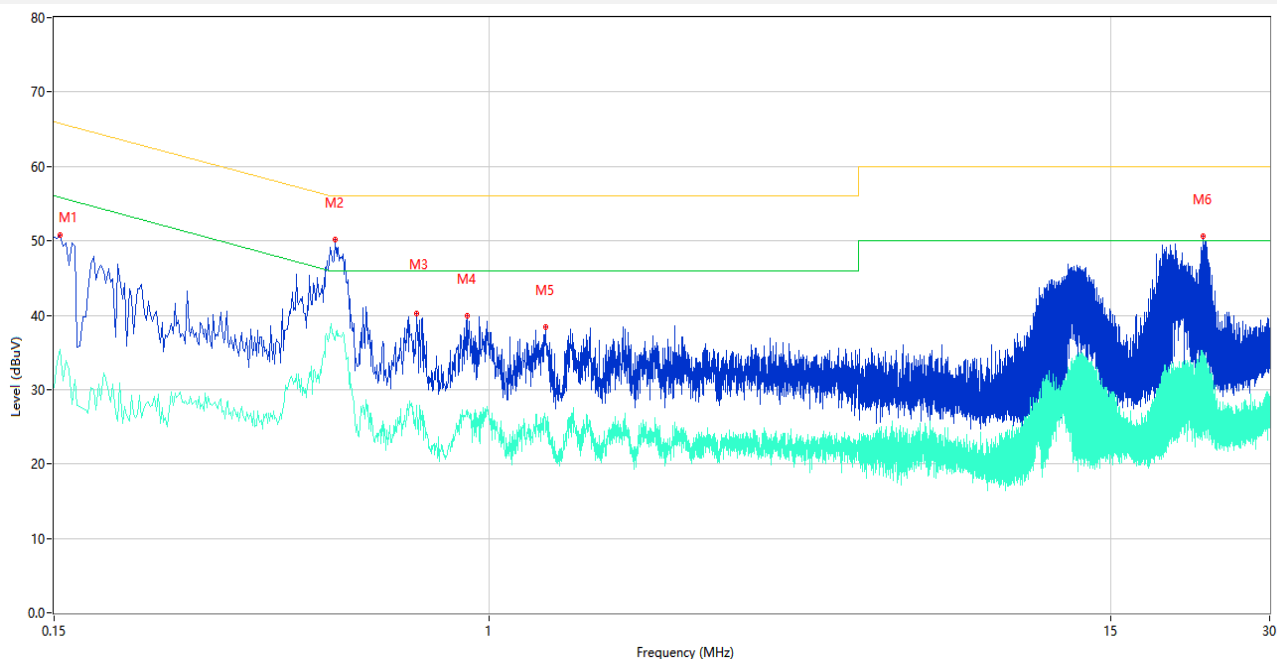
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

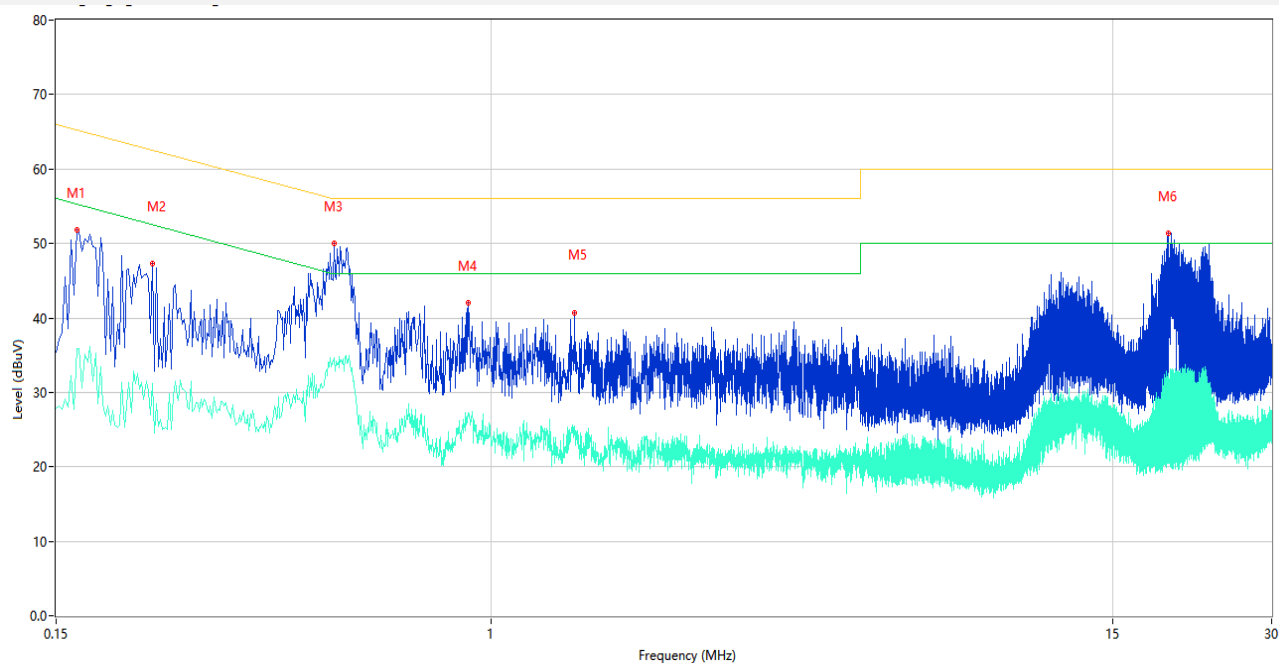
W0BG

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	50.78	10.23	65.78	15.00	Peak	L	Pass
1**	0.154	35.46	10.23	55.78	20.32	AV	L	Pass
2	0.510	50.20	10.25	56.00	5.80	Peak	L	Pass
2**	0.510	36.65	10.25	46.00	9.35	AV	L	Pass
3	0.728	40.15	10.27	56.00	15.85	Peak	L	Pass
3**	0.728	27.81	10.27	46.00	18.19	AV	L	Pass
4	0.908	39.89	10.30	56.00	16.11	Peak	L	Pass
4**	0.908	27.29	10.30	46.00	18.71	AV	L	Pass
5	1.276	38.44	10.34	56.00	17.56	Peak	L	Pass
5**	1.276	26.00	10.34	46.00	20.00	AV	L	Pass
6	22.414	50.64	15.45	60.00	9.36	Peak	L	Pass
6**	22.414	34.96	15.45	50.00	15.04	AV	L	Pass

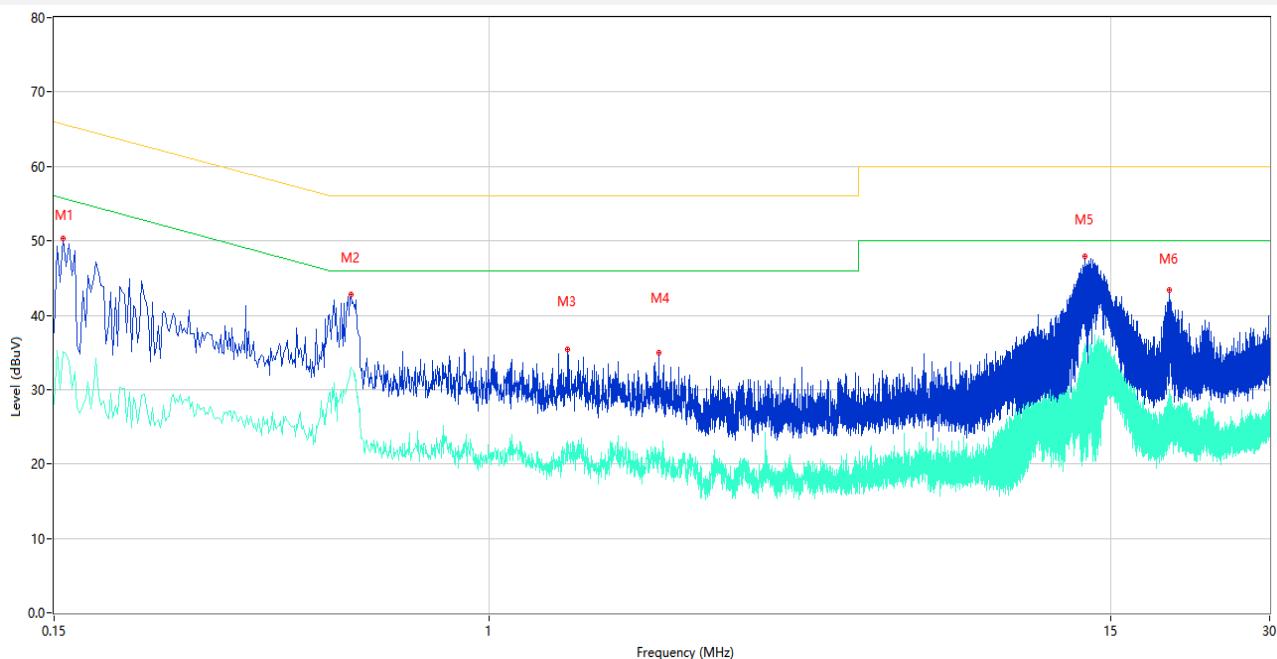
PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	51.86	10.22	65.26	13.40	Peak	N	Pass
1**	0.164	35.79	10.22	55.26	19.47	AV	N	Pass
2	0.228	47.27	10.22	62.52	15.25	Peak	N	Pass
2**	0.228	31.26	10.22	52.52	21.26	AV	N	Pass
3	0.504	49.97	10.23	56.00	6.03	Peak	N	Pass
3**	0.504	34.68	10.23	46.00	11.32	AV	N	Pass
4	0.904	41.98	10.28	56.00	14.02	Peak	N	Pass
4**	0.904	27.33	10.28	46.00	18.67	AV	N	Pass
5	1.438	40.64	10.35	56.00	15.36	Peak	N	Pass
5**	1.438	24.72	10.35	46.00	21.28	AV	N	Pass
6	19.122	51.31	14.94	60.00	8.69	Peak	N	Pass
6**	19.122	22.23	14.94	50.00	27.77	AV	N	Pass

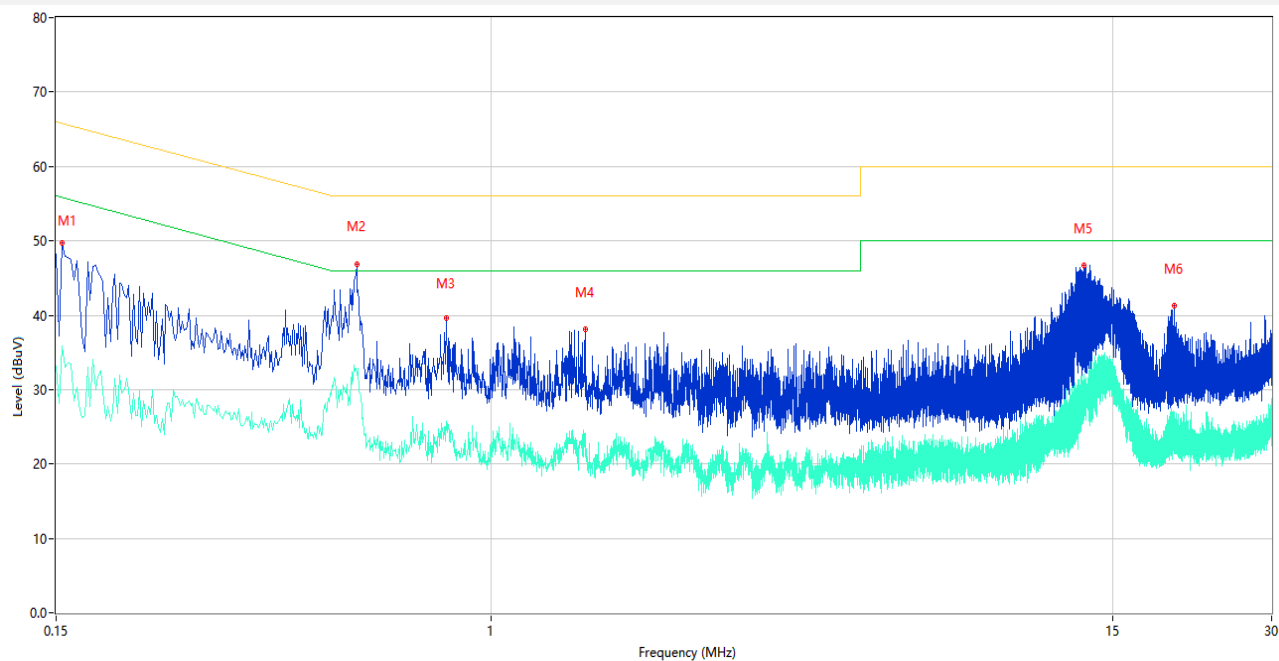
W1BG

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	50.37	10.23	65.67	15.30	Peak	L	Pass
1**	0.156	35.15	10.23	55.67	20.52	AV	L	Pass
2	0.548	42.76	10.26	56.00	13.24	Peak	L	Pass
2**	0.548	32.92	10.26	46.00	13.08	AV	L	Pass
3	1.408	35.44	10.36	56.00	20.56	Peak	L	Pass
3**	1.408	22.20	10.36	46.00	23.80	AV	L	Pass
4	2.096	34.98	10.47	56.00	21.02	Peak	L	Pass
4**	2.096	21.98	10.47	46.00	24.02	AV	L	Pass
5	13.438	47.88	13.43	60.00	12.12	Peak	L	Pass
5**	13.438	24.89	13.43	50.00	25.11	AV	L	Pass
6	19.350	43.45	14.91	60.00	16.55	Peak	L	Pass
6**	19.350	27.15	14.91	50.00	22.85	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	49.75	10.23	65.78	16.03	Peak	N	Pass
1**	0.154	35.92	10.23	55.78	19.86	AV	N	Pass
2	0.556	46.91	10.24	56.00	9.09	Peak	N	Pass
2**	0.556	32.07	10.24	46.00	13.93	AV	N	Pass
3	0.822	39.58	10.27	56.00	16.42	Peak	N	Pass
3**	0.822	25.72	10.27	46.00	20.28	AV	N	Pass
4	1.506	38.14	10.36	56.00	17.86	Peak	N	Pass
4**	1.506	20.90	10.36	46.00	25.10	AV	N	Pass
5	13.258	46.71	13.39	60.00	13.29	Peak	N	Pass
5**	13.258	28.78	13.39	50.00	21.22	AV	N	Pass
6	19.618	41.26	15.07	60.00	18.74	Peak	N	Pass
6**	19.618	26.41	15.07	50.00	23.59	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 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.

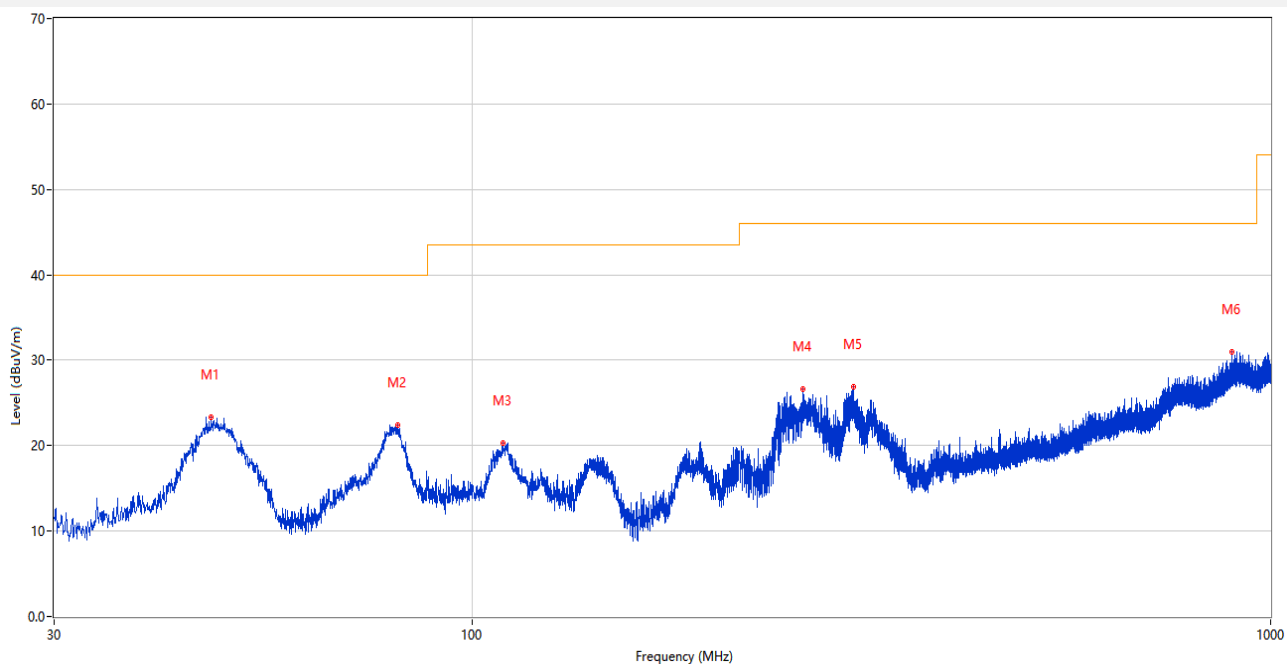
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-Middle channel mode is the worst.

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

Test Data and Plots

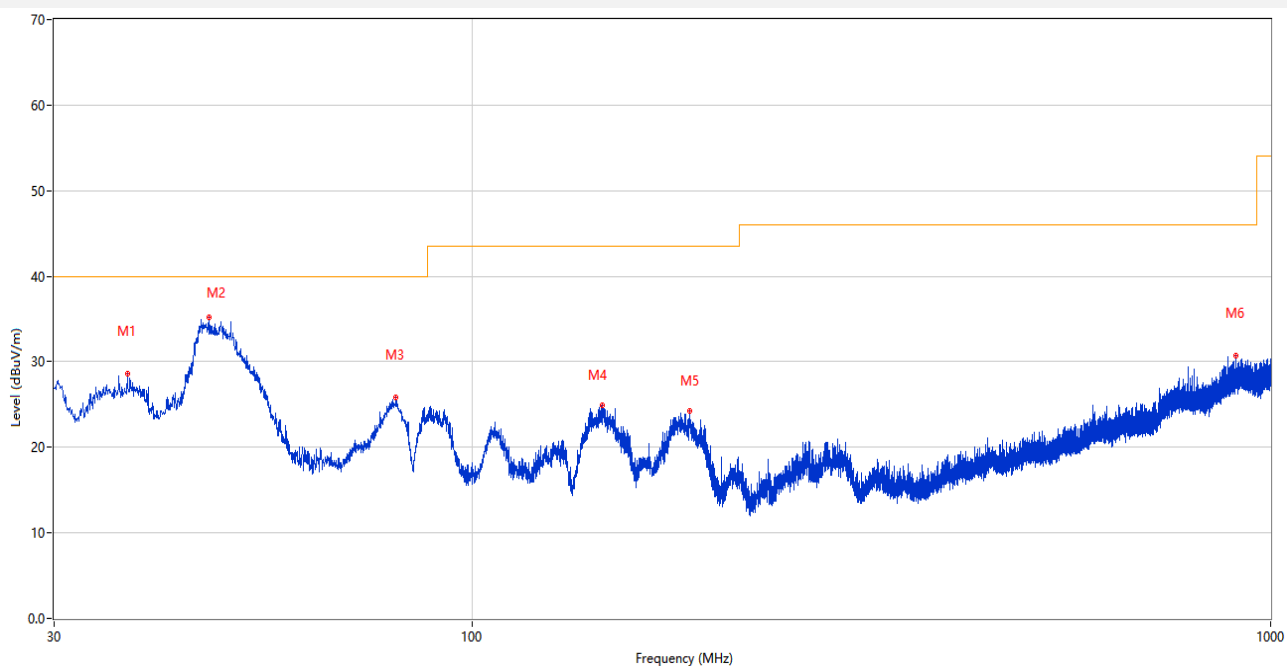
W0BG

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	47.169	23.39	-25.43	40.0	16.61	Peak	109.00	100	Horizontal	Pass
2	80.683	22.46	-31.31	40.0	17.54	Peak	347.00	200	Horizontal	Pass
3	109.346	20.27	-26.30	43.5	23.23	Peak	334.00	200	Horizontal	Pass
4	259.793	26.63	-24.68	46.0	19.37	Peak	50.00	100	Horizontal	Pass
5	300.776	26.95	-23.37	46.0	19.05	Peak	79.00	100	Horizontal	Pass
6	894.706	31.02	-8.86	46.0	14.98	Peak	314.00	100	Horizontal	Pass

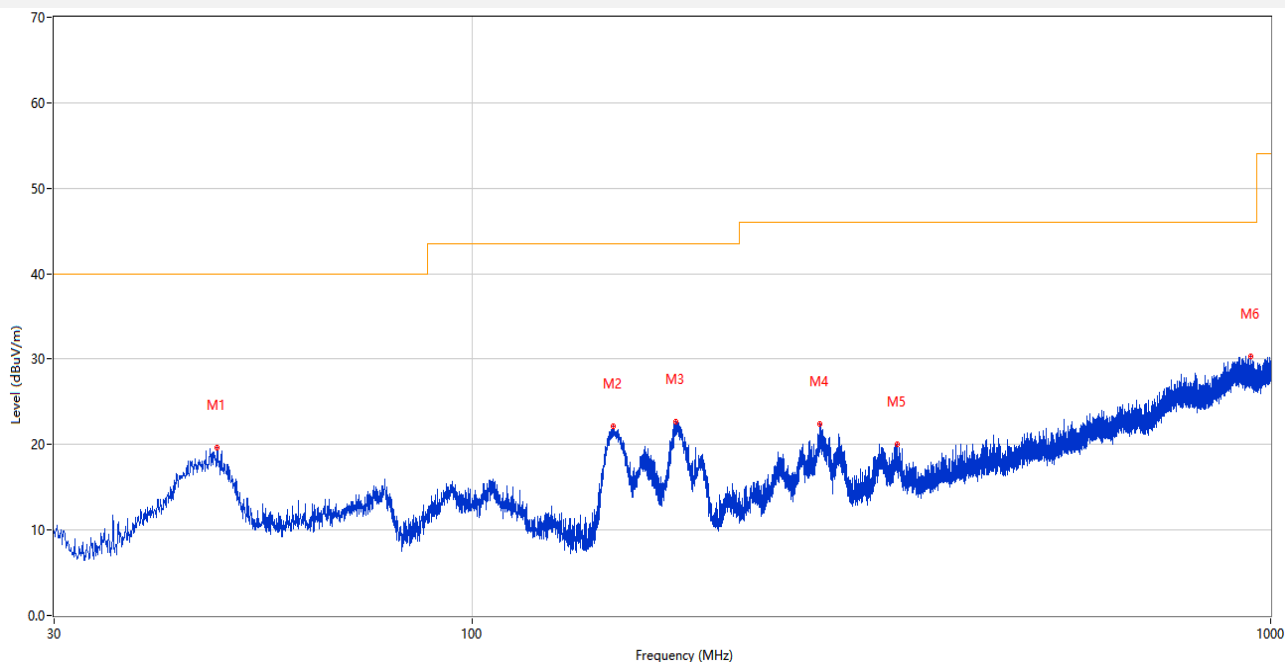
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.081	28.65	-27.43	40.0	11.35	Peak	197.00	100	Vertical	Pass
2	46.926	35.22	-25.46	40.0	4.78	Peak	65.00	100	Vertical	Pass
3	80.295	25.80	-31.38	40.0	14.20	Peak	286.00	100	Vertical	Pass
4	145.721	24.89	-29.80	43.5	18.61	Peak	238.00	100	Vertical	Pass
5	187.577	24.25	-26.66	43.5	19.25	Peak	356.00	100	Vertical	Pass
6	905.813	30.75	-8.70	46.0	15.25	Peak	349.00	200	Vertical	Pass

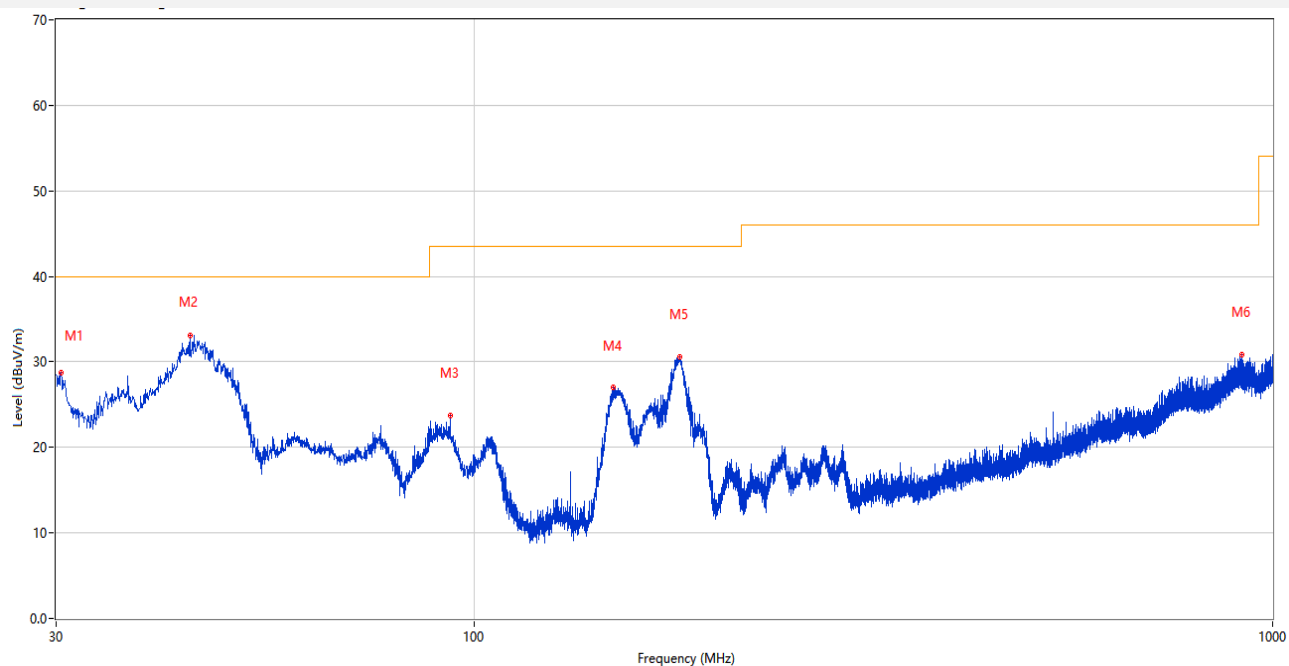
W1BG

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	48.042	19.67	-25.26	40.0	20.33	Peak	240.00	100	Horizontal	Pass
2	150.280	22.15	-29.72	43.5	21.35	Peak	315.00	200	Horizontal	Pass
3	180.059	22.66	-27.93	43.5	20.84	Peak	243.00	200	Horizontal	Pass
4	272.888	22.38	-24.43	46.0	23.62	Peak	107.00	100	Horizontal	Pass
5	341.176	20.03	-21.80	46.0	25.97	Peak	90.00	100	Horizontal	Pass
6	943.013	30.27	-8.77	46.0	15.73	Peak	252.00	200	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	30.436	28.72	-28.71	40.0	11.28	Peak	213.00	100	Vertical	Pass
2	44.162	33.14	-25.64	40.0	6.86	Peak	194.00	100	Vertical	Pass
3	93.535	23.68	-27.04	43.5	19.82	Peak	61.00	100	Vertical	Pass
4	149.553	26.97	-29.72	43.5	16.53	Peak	223.00	100	Vertical	Pass
5	180.980	30.56	-27.81	43.5	12.94	Peak	245.00	100	Vertical	Pass
6	914.349	30.81	-8.56	46.0	15.19	Peak	61.00	100	Vertical	Pass

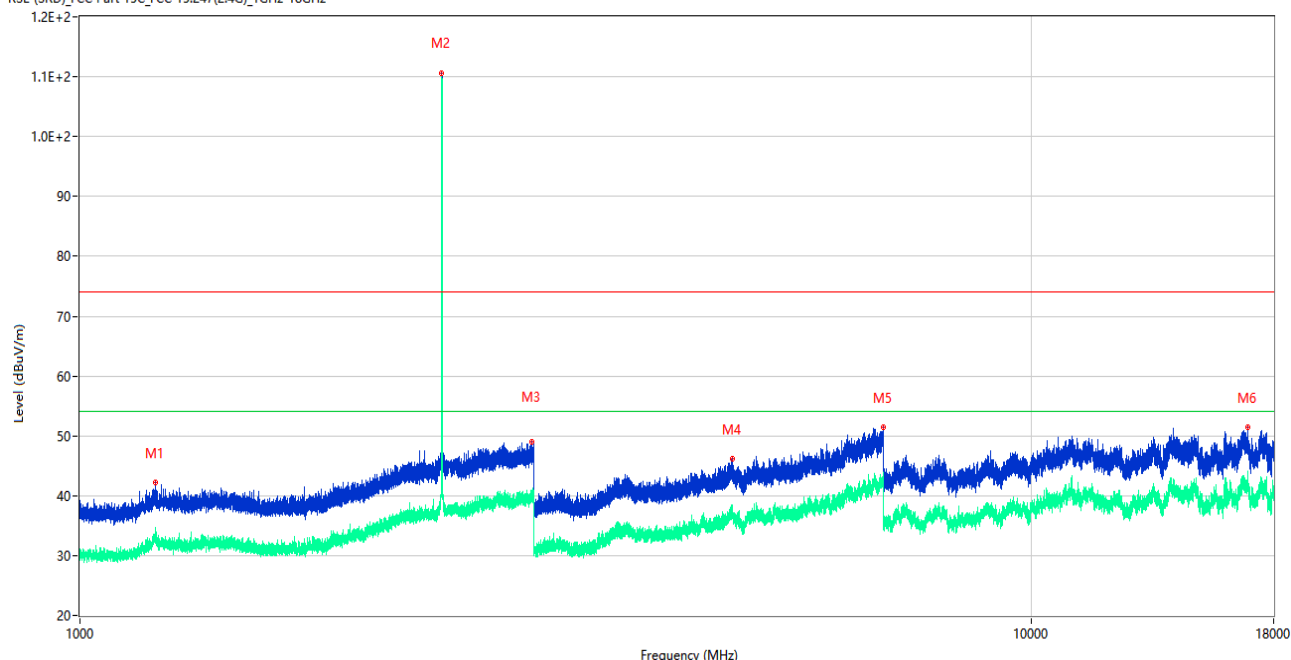
Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

W0BG

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

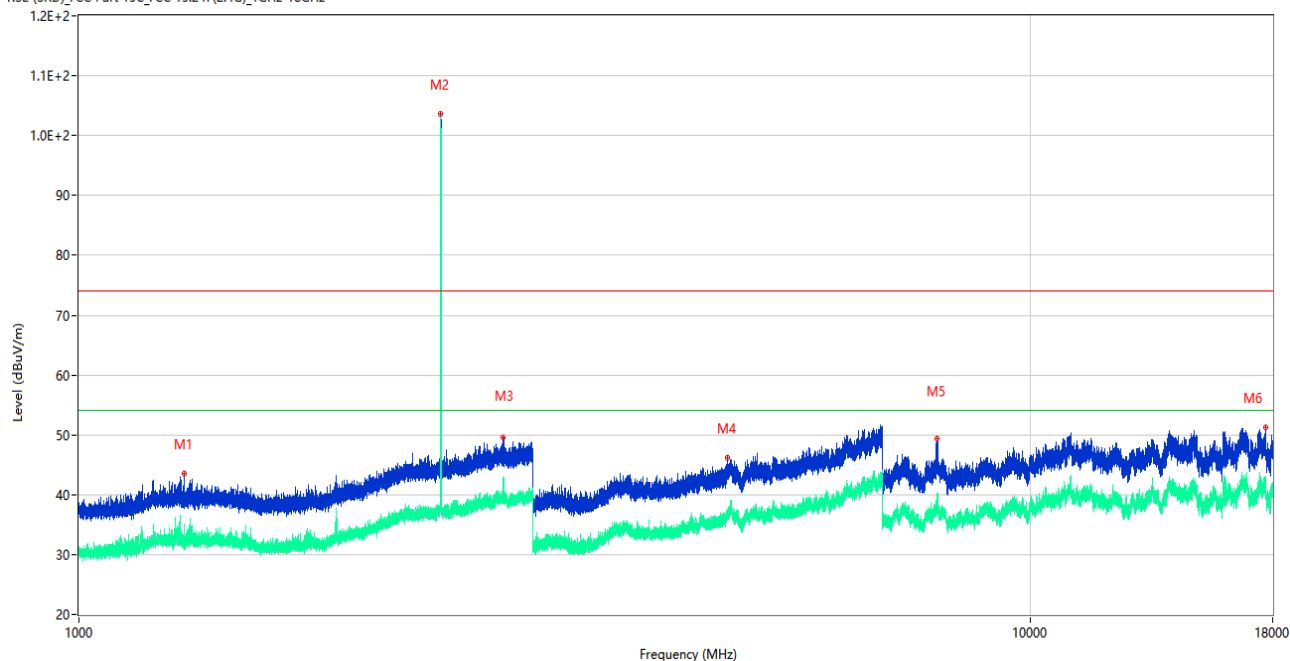
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.700	42.20	-17.14	74.0	31.80	Peak	87.00	200	Horizontal	Pass
1**	1200.700	33.87	-17.14	54.0	20.13	AV	87.00	200	Horizontal	Pass
2	2401.700	110.66	-13.85	--	--	Peak	360.00	100	Horizontal	N/A
2**	2401.700	110.11	-13.85	--	--	AV	360.00	100	Horizontal	N/A
3	2989.300	49.08	-11.31	74.0	24.92	Peak	360.00	100	Horizontal	Pass
3**	2989.300	39.48	-11.31	54.0	14.52	AV	360.00	100	Horizontal	Pass
4	4850.200	46.11	-6.15	74.0	27.89	Peak	360.00	300	Horizontal	Pass
4**	4850.200	37.19	-6.15	54.0	16.81	AV	360.00	300	Horizontal	Pass
5	6997.200	51.40	-1.36	74.0	22.60	Peak	139.00	300	Horizontal	Pass
5**	6997.200	42.46	-1.36	54.0	11.54	AV	139.00	300	Horizontal	Pass
6	16906.162	51.39	7.07	74.0	22.61	Peak	274.00	100	Horizontal	Pass
6**	16906.162	41.72	7.07	54.0	12.28	AV	274.00	100	Horizontal	Pass

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

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1289.600	43.45	-17.97	74.0	30.55	Peak	104.00	400	Vertical	Pass
1**	1289.600	33.94	-17.97	54.0	20.06	AV	104.00	400	Vertical	Pass
2	2401.700	103.53	-13.85	--	--	Peak	194.00	200	Vertical	N/A
2**	2401.700	101.93	-13.85	--	--	AV	194.00	200	Vertical	N/A
3	2790.500	49.64	-11.92	74.0	24.36	Peak	34.00	200	Vertical	Pass
3**	2790.500	41.37	-11.92	54.0	12.63	AV	34.00	200	Vertical	Pass
4	4805.800	46.14	-6.43	74.0	27.86	Peak	0.00	300	Vertical	Pass
4**	4805.800	37.25	-6.43	54.0	16.75	AV	0.00	300	Vertical	Pass
5	7984.112	49.45	-0.79	74.0	24.55	Peak	117.00	150	Vertical	Pass
5**	7984.112	39.17	-0.79	54.0	14.83	AV	117.00	150	Vertical	Pass
6	17694.974	51.30	6.20	74.0	22.70	Peak	129.00	100	Vertical	Pass
6**	17694.974	42.32	6.20	54.0	11.68	AV	129.00	100	Vertical	Pass

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	1329.700	41.87	-17.68	74.0	32.13	Peak	194.00	200	Horizontal	Pass
1**	1329.700	31.60	-17.68	54.0	22.40	AV	194.00	200	Horizontal	Pass
2	2439.900	110.73	-13.98	--	--	Peak	0.00	100	Horizontal	N/A
2**	2439.900	110.23	-13.98	--	--	AV	0.00	100	Horizontal	N/A
3	2980.000	48.96	-10.85	74.0	25.04	Peak	82.00	100	Horizontal	Pass
3**	2980.000	40.30	-10.85	54.0	13.70	AV	82.00	100	Horizontal	Pass
4	4844.600	46.73	-6.45	74.0	27.27	Peak	157.00	100	Horizontal	Pass
4**	4844.600	37.23	-6.45	54.0	16.77	AV	157.00	100	Horizontal	Pass
5	6843.600	51.29	-1.45	74.0	22.71	Peak	237.00	200	Horizontal	Pass
5**	6843.600	42.72	-1.45	54.0	11.28	AV	237.00	200	Horizontal	Pass
6	16684.614	51.36	6.55	74.0	22.64	Peak	125.00	100	Horizontal	Pass
6**	16684.614	42.18	6.55	54.0	11.82	AV	125.00	100	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	1860.900	44.56	-17.51	74.0	29.44	Peak	49.00	150	Vertical	Pass
1**	1860.900	32.90	-17.51	54.0	21.10	AV	49.00	150	Vertical	Pass
2	2440.300	102.49	-13.98	--	--	Peak	190.00	200	Vertical	N/A
2**	2440.300	101.55	-13.98	--	--	AV	190.00	200	Vertical	N/A
3	2794.800	51.07	-11.61	74.0	22.93	Peak	39.00	100	Vertical	Pass
3**	2794.800	40.24	-11.61	54.0	13.76	AV	39.00	100	Vertical	Pass
4	4834.600	45.85	-6.93	74.0	28.15	Peak	360.00	100	Vertical	Pass
4**	4834.600	36.77	-6.93	54.0	17.23	AV	360.00	100	Vertical	Pass
5	6857.800	52.80	-0.85	74.0	21.20	Peak	317.00	400	Vertical	Pass
5**	6857.800	42.15	-0.85	54.0	11.85	AV	317.00	400	Vertical	Pass
6	17456.626	51.88	8.19	74.0	22.12	Peak	288.00	100	Vertical	Pass
6**	17456.626	42.80	8.19	54.0	11.20	AV	288.00	100	Vertical	Pass

GFSK (BLE 1Mbps) HIGH 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	1363.300	41.67	-17.66	74.0	32.33	Peak	231.00	300	Horizontal	Pass
1**	1363.300	32.27	-17.66	54.0	21.73	AV	231.00	300	Horizontal	Pass
2	2479.800	109.44	-13.54	--	--	Peak	0.00	100	Horizontal	N/A
2**	2479.800	108.85	-13.54	--	--	AV	0.00	100	Horizontal	N/A
3	2995.900	48.69	-11.23	74.0	25.31	Peak	9.00	200	Horizontal	Pass
3**	2995.900	39.83	-11.23	54.0	14.17	AV	9.00	200	Horizontal	Pass
4	4850.200	45.83	-6.15	74.0	28.17	Peak	56.00	400	Horizontal	Pass
4**	4850.200	37.36	-6.15	54.0	16.64	AV	56.00	400	Horizontal	Pass
5	6845.800	52.77	-1.50	74.0	21.23	Peak	157.00	400	Horizontal	Pass
5**	6845.800	41.99	-1.50	54.0	12.01	AV	157.00	400	Horizontal	Pass
6	17469.225	51.56	8.59	74.0	22.44	Peak	105.00	100	Horizontal	Pass
6**	17469.225	42.55	8.59	54.0	11.45	AV	105.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH 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	1163.800	44.89	-18.46	74.0	29.11	Peak	101.00	100	Vertical	Pass
1**	1163.800	33.30	-18.46	54.0	20.70	AV	101.00	100	Vertical	Pass
2	2479.700	98.14	-13.53	--	--	Peak	193.00	200	Vertical	N/A
2**	2479.700	96.43	-13.53	--	--	AV	193.00	200	Vertical	N/A
3	2794.100	50.85	-11.80	74.0	23.15	Peak	132.00	200	Vertical	Pass
3**	2794.100	39.36	-11.80	54.0	14.64	AV	132.00	200	Vertical	Pass
4	4831.800	45.99	-6.89	74.0	28.01	Peak	0.00	300	Vertical	Pass
4**	4831.800	36.69	-6.89	54.0	17.31	AV	0.00	300	Vertical	Pass
5	7984.112	49.30	-0.79	74.0	24.70	Peak	118.00	150	Vertical	Pass
5**	7984.112	38.26	-0.79	54.0	15.74	AV	118.00	150	Vertical	Pass
6	17457.938	51.74	8.15	74.0	22.26	Peak	22.00	100	Vertical	Pass
6**	17457.938	42.40	8.15	54.0	11.60	AV	22.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.900	41.44	-17.62	74.0	32.56	Peak	142.00	300	Horizontal	Pass
1**	1447.900	31.60	-17.62	54.0	22.40	AV	142.00	300	Horizontal	Pass
2	2404.500	110.98	-14.16	--	--	Peak	8.00	100	Horizontal	N/A
2**	2404.500	109.12	-14.16	--	--	AV	8.00	100	Horizontal	N/A
3	2991.900	49.02	-11.18	74.0	24.98	Peak	192.00	100	Horizontal	Pass
3**	2991.900	40.43	-11.18	54.0	13.57	AV	192.00	100	Horizontal	Pass
4	4847.600	46.02	-6.41	74.0	27.98	Peak	360.00	100	Horizontal	Pass
4**	4847.600	37.61	-6.41	54.0	16.39	AV	360.00	100	Horizontal	Pass
5	6938.000	51.08	-1.72	74.0	22.92	Peak	237.00	100	Horizontal	Pass
5**	6938.000	42.07	-1.72	54.0	11.93	AV	237.00	100	Horizontal	Pass
6	17432.474	51.21	7.42	74.0	22.79	Peak	330.00	100	Horizontal	Pass
6**	17432.474	41.09	7.42	54.0	12.91	AV	330.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) LOW 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	1309.100	43.34	-17.64	74.0	30.66	Peak	118.00	100	Vertical	Pass
1**	1309.100	35.33	-17.64	54.0	18.67	AV	118.00	100	Vertical	Pass
2	2404.500	103.99	-14.16	--	--	Peak	191.00	200	Vertical	N/A
2**	2404.500	101.82	-14.16	--	--	AV	191.00	200	Vertical	N/A
3	2980.500	49.32	-11.08	74.0	24.68	Peak	335.00	100	Vertical	Pass
3**	2980.500	40.25	-11.08	54.0	13.75	AV	335.00	100	Vertical	Pass
4	3988.800	46.87	-9.12	74.0	27.13	Peak	118.00	100	Vertical	Pass
4**	3988.800	37.06	-9.12	54.0	16.94	AV	118.00	100	Vertical	Pass
5	7986.413	49.40	-0.79	74.0	24.60	Peak	89.00	150	Vertical	Pass
5**	7986.413	38.06	-0.79	54.0	15.94	AV	89.00	150	Vertical	Pass
6	16655.475	51.46	6.04	74.0	22.54	Peak	360.00	100	Vertical	Pass
6**	16655.475	40.97	6.04	54.0	13.03	AV	360.00	100	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	1401.500	41.72	-17.76	74.0	32.28	Peak	64.00	200	Horizontal	Pass
1**	1401.500	31.96	-17.76	54.0	22.04	AV	64.00	200	Horizontal	Pass
2	2440.600	110.91	-13.82	--	--	Peak	12.00	100	Horizontal	N/A
2**	2440.600	109.04	-13.82	--	--	AV	12.00	100	Horizontal	N/A
3	2994.400	49.11	-11.40	74.0	24.89	Peak	156.00	200	Horizontal	Pass
3**	2994.400	39.72	-11.40	54.0	14.28	AV	156.00	200	Horizontal	Pass
4	4848.200	45.82	-6.13	74.0	28.18	Peak	218.00	300	Horizontal	Pass
4**	4848.200	38.03	-6.13	54.0	15.97	AV	218.00	300	Horizontal	Pass
5	6841.200	51.28	-1.40	74.0	22.72	Peak	96.00	100	Horizontal	Pass
5**	6841.200	42.51	-1.40	54.0	11.49	AV	96.00	100	Horizontal	Pass
6	17437.463	51.56	7.90	74.0	22.44	Peak	328.00	100	Horizontal	Pass
6**	17437.463	41.88	7.90	54.0	12.12	AV	328.00	100	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	1200.000	43.40	-17.47	74.0	30.60	Peak	70.00	300	Vertical	Pass
1**	1200.000	32.58	-17.47	54.0	21.42	AV	70.00	300	Vertical	Pass
2	2440.500	104.21	-13.91	--	--	Peak	181.00	200	Vertical	N/A
2**	2440.500	101.57	-13.91	--	--	AV	181.00	200	Vertical	N/A
3	3496.800	45.01	-10.98	74.0	28.99	Peak	117.00	150	Vertical	Pass
3**	3496.800	31.50	-10.98	54.0	22.50	AV	117.00	150	Vertical	Pass
4	4844.800	46.50	-6.37	74.0	27.50	Peak	97.00	300	Vertical	Pass
4**	4844.800	37.63	-6.37	54.0	16.37	AV	97.00	300	Vertical	Pass
5	7985.838	49.39	-0.79	74.0	24.61	Peak	117.00	150	Vertical	Pass
5**	7985.838	38.61	-0.79	54.0	15.39	AV	117.00	150	Vertical	Pass
6	16721.625	51.60	6.84	74.0	22.40	Peak	154.00	100	Vertical	Pass
6**	16721.625	42.51	6.84	54.0	11.49	AV	154.00	100	Vertical	Pass

GFSK (BLE 2Mbps) HIGH 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	1245.700	43.04	-17.78	74.0	30.96	Peak	127.00	300	Horizontal	Pass
1**	1245.700	31.76	-17.78	54.0	22.24	AV	127.00	300	Horizontal	Pass
2	2478.500	110.78	-13.39	--	--	Peak	5.00	200	Horizontal	N/A
2**	2478.500	108.09	-13.39	--	--	AV	5.00	200	Horizontal	N/A
3	2991.500	48.89	-11.18	74.0	25.11	Peak	25.00	100	Horizontal	Pass
3**	2991.500	39.38	-11.18	54.0	14.62	AV	25.00	100	Horizontal	Pass
4	4846.000	46.23	-6.64	74.0	27.77	Peak	356.00	400	Horizontal	Pass
4**	4846.000	37.57	-6.64	54.0	16.43	AV	356.00	400	Horizontal	Pass
5	6861.400	51.94	-0.63	74.0	22.06	Peak	216.00	300	Horizontal	Pass
5**	6861.400	42.37	-0.63	54.0	11.63	AV	216.00	300	Horizontal	Pass
6	16897.238	52.05	7.02	74.0	21.95	Peak	248.00	100	Horizontal	Pass
6**	16897.238	42.23	7.02	54.0	11.77	AV	248.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH 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	1264.600	43.37	-17.66	74.0	30.63	Peak	110.00	100	Vertical	Pass
1**	1264.600	33.87	-17.66	54.0	20.13	AV	110.00	100	Vertical	Pass
2	2478.000	100.34	-13.36	--	--	Peak	242.00	100	Vertical	N/A
2**	2478.000	98.23	-13.36	--	--	AV	242.00	100	Vertical	N/A
3	2960.000	49.00	-11.43	74.0	25.00	Peak	360.00	150	Vertical	Pass
3**	2960.000	39.61	-11.43	54.0	14.39	AV	360.00	150	Vertical	Pass
4	4843.000	46.84	-6.48	74.0	27.16	Peak	360.00	400	Vertical	Pass
4**	4843.000	37.64	-6.48	54.0	16.36	AV	360.00	400	Vertical	Pass
5	6991.400	51.58	-1.48	74.0	22.42	Peak	300.00	200	Vertical	Pass
5**	6991.400	42.81	-1.48	54.0	11.19	AV	300.00	200	Vertical	Pass
6	16634.474	51.30	5.36	74.0	22.70	Peak	255.00	100	Vertical	Pass
6**	16634.474	41.77	5.36	54.0	12.23	AV	255.00	100	Vertical	Pass

GFSK (BLE Code 8) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.300	42.73	-17.79	74.0	31.27	Peak	310.00	100	Horizontal	Pass
1**	1442.300	33.13	-17.79	54.0	20.87	AV	310.00	100	Horizontal	Pass
2	2401.700	110.91	-13.85	74.0	-36.91	Peak	7.00	200	Horizontal	N/A
2**	2401.700	109.32	-13.85	54.0	-55.32	AV	7.00	200	Horizontal	N/A
3	2955.700	48.89	-11.33	74.0	25.11	Peak	310.00	100	Horizontal	Pass
3**	2955.700	39.69	-11.33	54.0	14.31	AV	310.00	100	Horizontal	Pass
4	4854.600	46.47	-6.33	74.0	27.53	Peak	157.00	200	Horizontal	Pass
4**	4854.600	37.25	-6.33	54.0	16.75	AV	157.00	200	Horizontal	Pass
5	6991.000	51.89	-1.38	74.0	22.11	Peak	133.00	200	Horizontal	Pass
5**	6991.000	42.25	-1.38	54.0	11.75	AV	133.00	200	Horizontal	Pass
6	16003.687	51.49	6.49	74.0	22.51	Peak	6.00	100	Horizontal	Pass
6**	16003.687	41.35	6.49	54.0	12.65	AV	6.00	100	Horizontal	Pass

GFSK (BLE Code 8) LOW 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	1331.000	46.31	-17.81	74.0	27.69	Peak	130.00	100	Vertical	Pass
1**	1331.000	36.77	-17.81	54.0	17.23	AV	130.00	100	Vertical	Pass
2	2401.700	102.75	-13.85	74.0	-28.75	Peak	191.00	200	Vertical	N/A
2**	2401.700	100.67	-13.85	54.0	-46.67	AV	191.00	200	Vertical	N/A
3	2882.500	48.97	-11.58	74.0	25.03	Peak	284.00	200	Vertical	Pass
3**	2882.500	39.42	-11.58	54.0	14.58	AV	284.00	200	Vertical	Pass
4	4857.800	45.98	-6.56	74.0	28.02	Peak	0.00	200	Vertical	Pass
4**	4857.800	36.51	-6.56	54.0	17.49	AV	0.00	200	Vertical	Pass
5	6881.600	51.63	-1.42	74.0	22.37	Peak	222.00	100	Vertical	Pass
5**	6881.600	41.03	-1.42	54.0	12.97	AV	222.00	100	Vertical	Pass
6	16050.938	51.66	5.56	74.0	22.34	Peak	101.00	100	Vertical	Pass
6**	16050.938	41.48	5.56	54.0	12.52	AV	101.00	100	Vertical	Pass

GFSK (BLE Code 8) 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	1443.200	42.71	-17.72	74.0	31.29	Peak	303.00	200	Horizontal	Pass
1**	1443.200	32.81	-17.72	54.0	21.19	AV	303.00	200	Horizontal	Pass
2	2440.200	110.52	-13.98	74.0	-36.52	Peak	7.00	200	Horizontal	N/A
2**	2440.200	109.89	-13.98	54.0	-55.89	AV	7.00	200	Horizontal	N/A
3	2985.500	48.76	-11.18	74.0	25.24	Peak	185.00	200	Horizontal	Pass
3**	2985.500	39.48	-11.18	54.0	14.52	AV	185.00	200	Horizontal	Pass
4	4845.000	46.42	-6.28	74.0	27.58	Peak	321.00	300	Horizontal	Pass
4**	4845.000	37.32	-6.28	54.0	16.68	AV	321.00	300	Horizontal	Pass
5	6992.800	51.60	-0.95	74.0	22.40	Peak	192.00	300	Horizontal	Pass
5**	6992.800	43.47	-0.95	54.0	10.53	AV	192.00	300	Horizontal	Pass
6	17462.401	51.23	8.21	74.0	22.77	Peak	83.00	100	Horizontal	Pass
6**	17462.401	43.08	8.21	54.0	10.92	AV	83.00	100	Horizontal	Pass

GFSK (BLE Code 8) 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	1442.100	44.43	-17.88	74.0	29.57	Peak	311.00	400	Vertical	Pass
1**	1442.100	31.95	-17.88	54.0	22.05	AV	311.00	400	Vertical	Pass
2	2440.300	102.40	-13.98	74.0	-28.40	Peak	183.00	100	Vertical	N/A
2**	2440.300	101.40	-13.98	54.0	-47.40	AV	183.00	100	Vertical	N/A
3	2914.900	49.34	-11.22	74.0	24.66	Peak	219.00	100	Vertical	Pass
3**	2914.900	39.93	-11.22	54.0	14.07	AV	219.00	100	Vertical	Pass
4	4847.000	46.42	-6.48	74.0	27.58	Peak	20.00	400	Vertical	Pass
4**	4847.000	38.48	-6.48	54.0	15.52	AV	20.00	400	Vertical	Pass
5	6931.000	51.53	-1.95	74.0	22.47	Peak	342.00	200	Vertical	Pass
5**	6931.000	42.56	-1.95	54.0	11.44	AV	342.00	200	Vertical	Pass
6	17484.712	51.70	8.03	74.0	22.30	Peak	99.00	100	Vertical	Pass
6**	17484.712	42.23	8.03	54.0	11.77	AV	99.00	100	Vertical	Pass

GFSK (BLE Code 8) HIGH 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	1442.100	43.02	-17.88	74.0	30.98	Peak	310.00	200	Horizontal	Pass
1**	1442.100	34.21	-17.88	54.0	19.79	AV	310.00	200	Horizontal	Pass
2	2479.800	109.15	-13.54	74.0	-35.15	Peak	9.00	200	Horizontal	N/A
2**	2479.800	108.16	-13.54	54.0	-54.16	AV	9.00	200	Horizontal	N/A
3	2900.800	49.53	-11.51	74.0	24.47	Peak	321.00	100	Horizontal	Pass
3**	2900.800	39.66	-11.51	54.0	14.34	AV	321.00	100	Horizontal	Pass
4	4848.400	46.62	-6.04	74.0	27.38	Peak	242.00	100	Horizontal	Pass
4**	4848.400	38.11	-6.04	54.0	15.89	AV	242.00	100	Horizontal	Pass
5	6944.000	52.43	-1.63	74.0	21.57	Peak	344.00	300	Horizontal	Pass
5**	6944.000	41.80	-1.63	54.0	12.20	AV	344.00	300	Horizontal	Pass
6	15999.225	51.21	7.22	74.0	22.79	Peak	199.00	100	Horizontal	Pass
6**	15999.225	42.63	7.22	54.0	11.37	AV	199.00	100	Horizontal	Pass

GFSK (BLE Code 8) HIGH 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	1333.000	45.18	-17.69	74.0	28.82	Peak	141.00	100	Vertical	Pass
1**	1333.000	36.15	-17.69	54.0	17.85	AV	141.00	100	Vertical	Pass
2	2479.800	99.39	-13.54	74.0	-25.39	Peak	255.00	200	Vertical	N/A
2**	2479.800	98.28	-13.54	54.0	-44.28	AV	255.00	200	Vertical	N/A
3	2978.100	49.14	-11.02	74.0	24.86	Peak	48.00	100	Vertical	Pass
3**	2978.100	39.40	-11.02	54.0	14.60	AV	48.00	100	Vertical	Pass
4	4842.400	45.98	-6.61	74.0	28.02	Peak	100.00	300	Vertical	Pass
4**	4842.400	36.80	-6.61	54.0	17.20	AV	100.00	300	Vertical	Pass
5	6863.000	51.43	-1.00	74.0	22.57	Peak	161.00	200	Vertical	Pass
5**	6863.000	41.69	-1.00	54.0	12.31	AV	161.00	200	Vertical	Pass
6	16712.176	51.91	6.90	74.0	22.09	Peak	110.00	100	Vertical	Pass
6**	16712.176	43.24	6.90	54.0	10.76	AV	110.00	100	Vertical	Pass

GFSK (BLE Code 2) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.300	45.23	-17.39	74.0	28.77	Peak	282.00	100	Horizontal	Pass
1**	1437.300	33.90	-17.39	54.0	20.10	AV	282.00	100	Horizontal	Pass
2	2401.800	106.58	-13.91	74.0	-32.58	Peak	6.00	100	Horizontal	N/A
2**	2401.800	105.28	-13.91	54.0	-51.28	AV	6.00	100	Horizontal	N/A
3	2791.600	49.06	-12.27	74.0	24.94	Peak	118.00	100	Horizontal	Pass
3**	2791.600	39.12	-12.27	54.0	14.88	AV	118.00	100	Horizontal	Pass
4	4850.000	46.67	-6.15	74.0	27.33	Peak	241.00	400	Horizontal	Pass
4**	4850.000	37.18	-6.15	54.0	16.82	AV	241.00	400	Horizontal	Pass
5	6832.000	51.45	-2.10	74.0	22.55	Peak	0.00	100	Horizontal	Pass
5**	6832.000	41.72	-2.10	54.0	12.28	AV	0.00	100	Horizontal	Pass
6	17416.200	51.64	6.94	74.0	22.36	Peak	299.00	100	Horizontal	Pass
6**	17416.200	41.33	6.94	54.0	12.67	AV	299.00	100	Horizontal	Pass

GFSK (BLE Code 2) LOW 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	1329.600	45.13	-17.64	74.0	28.87	Peak	124.00	100	Vertical	Pass
1**	1329.600	32.37	-17.64	54.0	21.63	AV	124.00	100	Vertical	Pass
2	2401.900	97.62	-13.97	74.0	-23.62	Peak	206.00	100	Vertical	N/A
2**	2401.900	96.81	-13.97	54.0	-42.81	AV	206.00	100	Vertical	N/A
3	2899.200	49.09	-10.85	74.0	24.91	Peak	62.00	100	Vertical	Pass
3**	2899.200	40.19	-10.85	54.0	13.81	AV	62.00	100	Vertical	Pass
4	4846.200	46.20	-6.60	74.0	27.80	Peak	122.00	400	Vertical	Pass
4**	4846.200	38.08	-6.60	54.0	15.92	AV	122.00	400	Vertical	Pass
5	6993.000	51.64	-0.85	74.0	22.36	Peak	242.00	200	Vertical	Pass
5**	6993.000	43.36	-0.85	54.0	10.64	AV	242.00	200	Vertical	Pass
6	14753.662	50.87	5.07	74.0	23.13	Peak	346.00	100	Vertical	Pass
6**	14753.662	40.22	5.07	54.0	13.78	AV	346.00	100	Vertical	Pass

GFSK (BLE Code 2) 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	1437.100	45.01	-17.53	74.0	28.99	Peak	265.00	400	Horizontal	Pass
1**	1437.100	33.98	-17.53	54.0	20.02	AV	265.00	400	Horizontal	Pass
2	2441.000	106.83	-13.48	74.0	-32.83	Peak	2.00	100	Horizontal	N/A
2**	2441.000	106.75	-13.48	54.0	-52.75	AV	2.00	100	Horizontal	N/A
3	2998.800	49.12	-11.38	74.0	24.88	Peak	131.00	200	Horizontal	Pass
3**	2998.800	40.49	-11.38	54.0	13.51	AV	131.00	200	Horizontal	Pass
4	4842.000	46.66	-6.72	74.0	27.34	Peak	77.00	300	Horizontal	Pass
4**	4842.000	37.29	-6.72	54.0	16.71	AV	77.00	300	Horizontal	Pass
5	6946.000	52.01	-1.31	74.0	21.99	Peak	77.00	100	Horizontal	Pass
5**	6946.000	42.28	-1.31	54.0	11.72	AV	77.00	100	Horizontal	Pass
6	17957.212	51.32	5.45	74.0	22.68	Peak	167.00	100	Horizontal	Pass
6**	17957.212	41.55	5.45	54.0	12.45	AV	167.00	100	Horizontal	Pass

GFSK ((BLE Code 2) 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	1437.700	44.20	-17.43	74.0	29.80	Peak	360.00	400	Vertical	Pass
1**	1437.700	34.35	-17.43	54.0	19.65	AV	360.00	400	Vertical	Pass
2	2441.300	97.56	-13.27	74.0	-23.56	Peak	189.00	100	Vertical	N/A
2**	2441.300	97.23	-13.27	54.0	-43.23	AV	189.00	100	Vertical	N/A
3	2993.000	49.05	-11.17	74.0	24.95	Peak	66.00	200	Vertical	Pass
3**	2993.000	40.63	-11.17	54.0	13.37	AV	66.00	200	Vertical	Pass
4	4845.200	46.16	-6.34	74.0	27.84	Peak	360.00	100	Vertical	Pass
4**	4845.200	37.61	-6.34	54.0	16.39	AV	360.00	100	Vertical	Pass
5	7980.663	50.17	-0.80	74.0	23.83	Peak	131.00	100	Vertical	Pass
5**	7980.663	38.01	-0.80	54.0	15.99	AV	131.00	100	Vertical	Pass
6	17455.575	51.78	8.23	74.0	22.22	Peak	19.00	100	Vertical	Pass
6**	17455.575	42.08	8.23	54.0	11.92	AV	19.00	100	Vertical	Pass

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

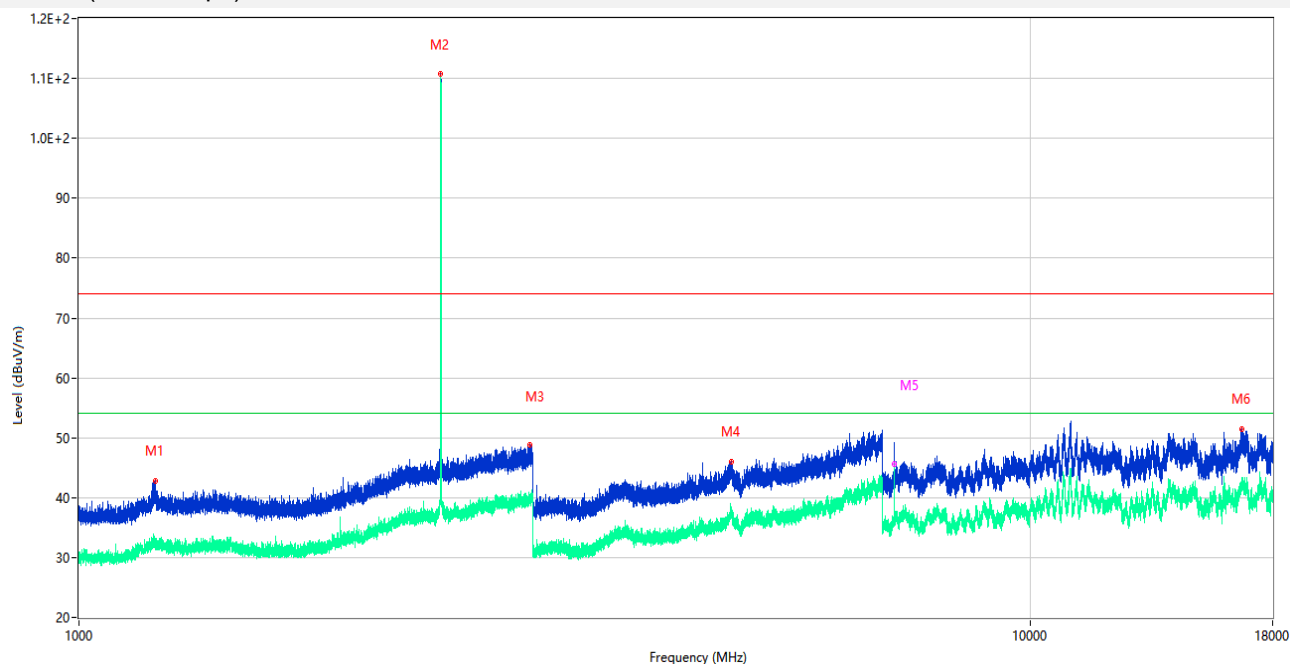
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	45.56	-17.57	74.0	28.44	Peak	278.00	100	Horizontal	Pass
1**	1439.600	35.48	-17.57	54.0	18.52	AV	278.00	100	Horizontal	Pass
2	2479.900	103.72	-13.54	74.0	-29.72	Peak	17.00	200	Horizontal	N/A
2**	2479.900	102.80	-13.54	54.0	-48.80	AV	17.00	200	Horizontal	N/A
3	2985.700	49.18	-11.26	74.0	24.82	Peak	248.00	200	Horizontal	Pass
3**	2985.700	40.40	-11.26	54.0	13.60	AV	248.00	200	Horizontal	Pass
4	4833.800	46.32	-7.17	74.0	27.68	Peak	283.00	100	Horizontal	Pass
4**	4833.800	37.47	-7.17	54.0	16.53	AV	283.00	100	Horizontal	Pass
5	6820.400	51.97	-1.14	74.0	22.03	Peak	303.00	100	Horizontal	Pass
5**	6820.400	42.70	-1.14	54.0	11.30	AV	303.00	100	Horizontal	Pass
6	17540.100	51.34	8.07	74.0	22.66	Peak	190.00	100	Horizontal	Pass
6**	17540.100	41.92	8.07	54.0	12.08	AV	190.00	100	Horizontal	Pass

GFSK ((BLE Code 2) HIGH 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	1440.900	43.84	-18.43	74.0	30.16	Peak	0.00	400	Vertical	Pass
1**	1440.900	31.94	-18.43	54.0	22.06	AV	0.00	400	Vertical	Pass
2	2479.800	93.46	-13.54	74.0	-19.46	Peak	264.00	200	Vertical	N/A
2**	2479.800	92.24	-13.54	54.0	-38.24	AV	264.00	200	Vertical	N/A
3	2978.900	49.80	-10.79	74.0	24.20	Peak	332.00	100	Vertical	Pass
3**	2978.900	40.67	-10.79	54.0	13.33	AV	332.00	100	Vertical	Pass
4	4856.400	46.84	-6.34	74.0	27.16	Peak	263.00	300	Vertical	Pass
4**	4856.400	37.60	-6.34	54.0	16.40	AV	263.00	300	Vertical	Pass
5	6991.000	51.14	-1.38	74.0	22.86	Peak	223.00	200	Vertical	Pass
5**	6991.000	42.65	-1.38	54.0	11.35	AV	223.00	200	Vertical	Pass
6	17976.375	51.93	5.86	74.0	22.07	Peak	220.00	100	Vertical	Pass
6**	17976.375	42.22	5.86	54.0	11.78	AV	220.00	100	Vertical	Pass

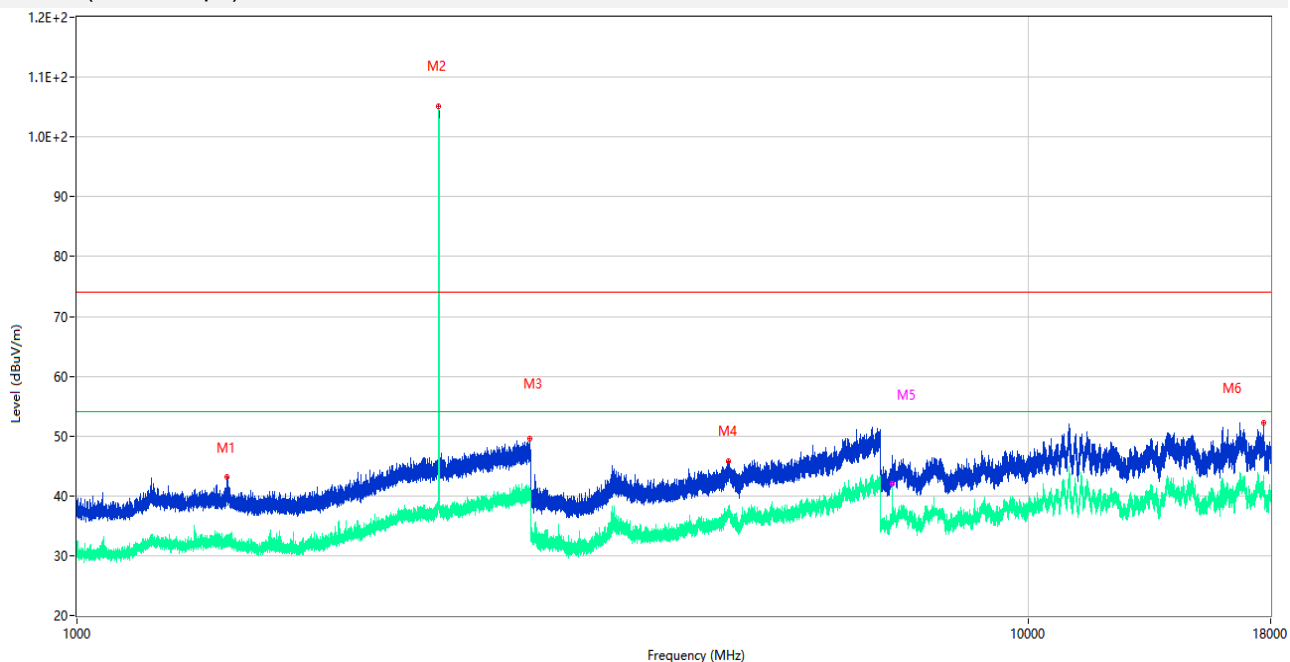
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GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.400	42.79	-17.76	74.0	31.21	Peak	287.00	300	Horizontal	Pass
1**	1204.400	31.70	-17.76	54.0	22.30	AV	287.00	300	Horizontal	Pass
2	2401.700	110.72	-13.85	74.0	-36.72	Peak	93.00	200	Horizontal	N/A
2**	2401.700	109.40	-13.85	54.0	-55.40	AV	93.00	200	Horizontal	N/A
3	2978.800	48.80	-10.81	74.0	25.20	Peak	104.00	200	Horizontal	Pass
3**	2978.800	39.28	-10.81	54.0	14.72	AV	104.00	200	Horizontal	Pass
4	4854.800	46.05	-6.32	74.0	27.95	Peak	106.00	400	Horizontal	Pass
4**	4854.800	36.92	-6.32	54.0	17.08	AV	106.00	400	Horizontal	Pass
5	7205.562	48.33	-1.99	74.0	25.67	Peak	360.00	150	Horizontal	Pass
5**	7205.562	45.58	-1.99	54.0	8.42	AV	360.00	150	Horizontal	Pass
6	16717.688	51.50	6.88	74.0	22.50	Peak	159.00	100	Horizontal	Pass
6**	16717.688	43.03	6.88	54.0	10.97	AV	159.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) LOW 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	1437.900	43.07	-17.53	74.0	30.93	Peak	248.00	100	Vertical	Pass
1**	1437.900	32.19	-17.53	54.0	21.81	AV	248.00	100	Vertical	Pass
2	2401.800	105.05	-13.91	74.0	-31.05	Peak	299.00	200	Vertical	N/A
2**	2401.800	104.11	-13.91	54.0	-50.11	AV	299.00	200	Vertical	N/A
3	2995.500	49.54	-11.03	74.0	24.46	Peak	82.00	100	Vertical	Pass
3**	2995.500	41.31	-11.03	54.0	12.69	AV	82.00	100	Vertical	Pass
4	4845.800	45.88	-6.61	74.0	28.12	Peak	272.00	100	Vertical	Pass
4**	4845.800	37.10	-6.61	54.0	16.90	AV	272.00	100	Vertical	Pass
5	7207.000	46.68	-1.99	74.0	27.32	Peak	300.00	150	Vertical	Pass
5**	7207.000	42.07	-1.99	54.0	11.93	AV	300.00	150	Vertical	Pass
6	17699.699	52.21	6.37	74.0	21.79	Peak	169.00	100	Vertical	Pass
6**	17699.699	42.30	6.37	54.0	11.70	AV	169.00	100	Vertical	Pass

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	1206.000	42.13	-17.48	74.0	31.87	Peak	131.00	100	Horizontal	Pass
1**	1206.000	32.47	-17.48	54.0	21.53	AV	131.00	100	Horizontal	Pass
2	2440.000	110.28	-13.98	74.0	-36.28	Peak	8.00	100	Horizontal	N/A
2**	2440.000	109.94	-13.98	54.0	-55.94	AV	8.00	100	Horizontal	N/A
3	2886.000	49.19	-11.36	74.0	24.81	Peak	350.00	200	Horizontal	Pass
3**	2886.000	40.04	-11.36	54.0	13.96	AV	350.00	200	Horizontal	Pass
4	4843.200	46.42	-6.44	74.0	27.58	Peak	224.00	400	Horizontal	Pass
4**	4843.200	37.30	-6.44	54.0	16.70	AV	224.00	400	Horizontal	Pass
5	6858.000	51.04	-0.88	74.0	22.96	Peak	202.00	100	Horizontal	Pass
5**	6858.000	42.54	-0.88	54.0	11.46	AV	202.00	100	Horizontal	Pass
6	17447.176	51.05	8.33	74.0	22.95	Peak	360.00	100	Horizontal	Pass
6**	17447.176	41.52	8.33	54.0	12.48	AV	360.00	100	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	1177.700	42.66	-17.75	74.0	31.34	Peak	117.00	100	Vertical	Pass
1**	1177.700	31.81	-17.75	54.0	22.19	AV	117.00	100	Vertical	Pass
2	2440.200	101.16	-13.98	74.0	-27.16	Peak	201.00	200	Vertical	N/A
2**	2440.200	100.88	-13.98	54.0	-46.88	AV	201.00	200	Vertical	N/A
3	2977.700	49.38	-11.17	74.0	24.62	Peak	69.00	200	Vertical	Pass
3**	2977.700	40.24	-11.17	54.0	13.76	AV	69.00	200	Vertical	Pass
4	4848.600	46.09	-6.10	74.0	27.91	Peak	292.00	200	Vertical	Pass
4**	4848.600	37.66	-6.10	54.0	16.34	AV	292.00	200	Vertical	Pass
5	6998.600	52.43	-1.57	74.0	21.57	Peak	62.00	300	Vertical	Pass
5**	6998.600	42.47	-1.57	54.0	11.53	AV	62.00	300	Vertical	Pass
6	16716.637	51.77	6.89	74.0	22.23	Peak	302.00	100	Vertical	Pass
6**	16716.637	43.50	6.89	54.0	10.50	AV	302.00	100	Vertical	Pass

GFSK (BLE 1Mbps) HIGH 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	1191.800	42.65	-17.23	74.0	31.35	Peak	287.00	400	Horizontal	Pass
1**	1191.800	32.43	-17.23	54.0	21.57	AV	287.00	400	Horizontal	Pass
2	2479.700	108.51	-13.53	74.0	-34.51	Peak	0.00	100	Horizontal	N/A
2**	2479.700	107.58	-13.53	54.0	-53.58	AV	0.00	100	Horizontal	N/A
3	2984.400	48.97	-10.97	74.0	25.03	Peak	0.00	100	Horizontal	Pass
3**	2984.400	40.37	-10.97	54.0	13.63	AV	0.00	100	Horizontal	Pass
4	4848.400	46.34	-6.04	74.0	27.66	Peak	115.00	200	Horizontal	Pass
4**	4848.400	37.56	-6.04	54.0	16.44	AV	115.00	200	Horizontal	Pass
5	6857.600	51.06	-0.89	74.0	22.94	Peak	159.00	200	Horizontal	Pass
5**	6857.600	42.05	-0.89	54.0	11.95	AV	159.00	200	Horizontal	Pass
6	16001.588	51.16	7.00	74.0	22.84	Peak	355.00	100	Horizontal	Pass
6**	16001.588	42.47	7.00	54.0	11.53	AV	355.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH 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	1438.100	43.01	-17.64	74.0	30.99	Peak	253.00	100	Vertical	Pass
1**	1438.100	32.30	-17.64	54.0	21.70	AV	253.00	100	Vertical	Pass
2	2479.800	99.00	-13.54	74.0	-25.00	Peak	241.00	200	Vertical	N/A
2**	2479.800	97.89	-13.54	54.0	-43.89	AV	241.00	200	Vertical	N/A
3	2978.500	49.45	-10.88	74.0	24.55	Peak	360.00	200	Vertical	Pass
3**	2978.500	41.22	-10.88	54.0	12.78	AV	360.00	200	Vertical	Pass
4	4843.600	46.67	-6.48	74.0	27.33	Peak	218.00	400	Vertical	Pass
4**	4843.600	37.30	-6.48	54.0	16.70	AV	218.00	400	Vertical	Pass
5	6849.800	51.67	-1.19	74.0	22.33	Peak	175.00	100	Vertical	Pass
5**	6849.800	42.17	-1.19	54.0	11.83	AV	175.00	100	Vertical	Pass
6	16715.324	51.89	6.89	74.0	22.11	Peak	288.00	100	Vertical	Pass
6**	16715.324	42.75	6.89	54.0	11.25	AV	288.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.700	42.59	-17.43	74.0	31.41	Peak	292.00	200	Horizontal	Pass
1**	1199.700	32.39	-17.43	54.0	21.61	AV	292.00	200	Horizontal	Pass
2	2404.500	110.60	-14.16	74.0	-36.60	Peak	86.00	100	Horizontal	N/A
2**	2404.500	108.58	-14.16	54.0	-54.58	AV	86.00	100	Horizontal	N/A
3	2988.400	48.86	-11.10	74.0	25.14	Peak	21.00	100	Horizontal	Pass
3**	2988.400	39.59	-11.10	54.0	14.41	AV	21.00	100	Horizontal	Pass
4	4849.800	46.67	-6.22	74.0	27.33	Peak	67.00	200	Horizontal	Pass
4**	4849.800	37.98	-6.22	54.0	16.02	AV	67.00	200	Horizontal	Pass
5	6992.400	51.70	-1.24	74.0	22.30	Peak	229.00	300	Horizontal	Pass
5**	6992.400	42.42	-1.24	54.0	11.58	AV	229.00	300	Horizontal	Pass
6	15997.650	51.05	6.90	74.0	22.95	Peak	98.00	100	Horizontal	Pass
6**	15997.650	43.18	6.90	54.0	10.82	AV	98.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) LOW 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	1199.700	42.73	-17.43	74.0	31.27	Peak	118.00	100	Vertical	Pass
1**	1199.700	32.17	-17.43	54.0	21.83	AV	118.00	100	Vertical	Pass
2	2404.600	105.56	-14.13	74.0	-31.56	Peak	308.00	100	Vertical	N/A
2**	2404.600	102.48	-14.13	54.0	-48.48	AV	308.00	100	Vertical	N/A
3	2972.700	49.69	-11.32	74.0	24.31	Peak	64.00	200	Vertical	Pass
3**	2972.700	40.41	-11.32	54.0	13.59	AV	64.00	200	Vertical	Pass
4	4841.200	45.97	-6.50	74.0	28.03	Peak	63.00	400	Vertical	Pass
4**	4841.200	37.07	-6.50	54.0	16.93	AV	63.00	400	Vertical	Pass
5	6945.800	50.99	-1.32	74.0	23.01	Peak	19.00	300	Vertical	Pass
5**	6945.800	42.15	-1.32	54.0	11.85	AV	19.00	300	Vertical	Pass
6	16704.037	51.81	6.70	74.0	22.19	Peak	140.00	100	Vertical	Pass
6**	16704.037	42.53	6.70	54.0	11.47	AV	140.00	100	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	1201.600	42.28	-17.13	74.0	31.72	Peak	300.00	200	Horizontal	Pass
1**	1201.600	33.92	-17.13	54.0	20.08	AV	300.00	200	Horizontal	Pass
2	2439.400	110.17	-13.88	74.0	-36.17	Peak	92.00	200	Horizontal	N/A
2**	2439.400	106.00	-13.88	54.0	-52.00	AV	92.00	200	Horizontal	N/A
3	2996.600	49.80	-11.35	74.0	24.20	Peak	146.00	200	Horizontal	Pass
3**	2996.600	39.73	-11.35	54.0	14.27	AV	146.00	200	Horizontal	Pass
4	4847.000	46.52	-6.48	74.0	27.48	Peak	0.00	400	Horizontal	Pass
4**	4847.000	37.30	-6.48	54.0	16.70	AV	0.00	400	Horizontal	Pass
5	6854.800	51.94	-0.90	74.0	22.06	Peak	348.00	200	Horizontal	Pass
5**	6854.800	42.14	-0.90	54.0	11.86	AV	348.00	200	Horizontal	Pass
6	17463.974	51.15	8.30	74.0	22.85	Peak	233.00	100	Horizontal	Pass
6**	17463.974	42.61	8.30	54.0	11.39	AV	233.00	100	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	1403.200	43.12	-17.89	74.0	30.88	Peak	360.00	400	Vertical	Pass
1**	1403.200	32.75	-17.89	54.0	21.25	AV	360.00	400	Vertical	Pass
2	2440.500	104.68	-13.91	74.0	-30.68	Peak	174.00	200	Vertical	N/A
2**	2440.500	103.08	-13.91	54.0	-49.08	AV	174.00	200	Vertical	N/A
3	2849.300	50.89	-11.81	74.0	23.11	Peak	194.00	100	Vertical	Pass
3**	2849.300	38.81	-11.81	54.0	15.19	AV	194.00	100	Vertical	Pass
4	4840.400	45.98	-6.34	74.0	28.02	Peak	137.00	200	Vertical	Pass
4**	4840.400	38.35	-6.34	54.0	15.65	AV	137.00	200	Vertical	Pass
5	6998.200	51.69	-1.54	74.0	22.31	Peak	257.00	300	Vertical	Pass
5**	6998.200	43.07	-1.54	54.0	10.93	AV	257.00	300	Vertical	Pass
6	16741.838	51.35	6.22	74.0	22.65	Peak	317.00	100	Vertical	Pass
6**	16741.838	42.35	6.22	54.0	11.65	AV	317.00	100	Vertical	Pass

GFSK (BLE 2Mbps) HIGH 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	1199.300	42.94	-17.43	74.0	31.06	Peak	74.00	400	Horizontal	Pass
1**	1199.300	32.88	-17.43	54.0	21.12	AV	74.00	400	Horizontal	Pass
2	2477.600	108.05	-13.49	74.0	-34.05	Peak	84.00	100	Horizontal	N/A
2**	2477.600	105.81	-13.49	54.0	-51.81	AV	84.00	100	Horizontal	N/A
3	2996.500	49.46	-11.38	74.0	24.54	Peak	256.00	200	Horizontal	Pass
3**	2996.500	39.96	-11.38	54.0	14.04	AV	256.00	200	Horizontal	Pass
4	4812.600	46.01	-7.00	74.0	27.99	Peak	97.00	100	Horizontal	Pass
4**	4812.600	36.73	-7.00	54.0	17.27	AV	97.00	100	Horizontal	Pass
5	6994.600	51.60	-1.76	74.0	22.40	Peak	77.00	100	Horizontal	Pass
5**	6994.600	42.06	-1.76	54.0	11.94	AV	77.00	100	Horizontal	Pass
6	17445.599	51.64	8.29	74.0	22.36	Peak	53.00	100	Horizontal	Pass
6**	17445.599	42.13	8.29	54.0	11.87	AV	53.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH 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	1198.100	42.22	-17.54	74.0	31.78	Peak	123.00	200	Vertical	Pass
1**	1198.100	32.20	-17.54	54.0	21.80	AV	123.00	200	Vertical	Pass
2	2477.600	100.64	-13.49	74.0	-26.64	Peak	184.00	100	Vertical	N/A
2**	2477.600	98.05	-13.49	54.0	-44.05	AV	184.00	100	Vertical	N/A
3	2977.700	50.81	-11.17	74.0	23.19	Peak	356.00	200	Vertical	Pass
3**	2977.700	40.76	-11.17	54.0	13.24	AV	356.00	200	Vertical	Pass
4	4852.600	46.61	-6.23	74.0	27.39	Peak	336.00	300	Vertical	Pass
4**	4852.600	37.43	-6.23	54.0	16.57	AV	336.00	300	Vertical	Pass
5	6849.600	51.26	-1.12	74.0	22.74	Peak	154.00	100	Vertical	Pass
5**	6849.600	42.66	-1.12	54.0	11.34	AV	154.00	100	Vertical	Pass
6	16708.238	51.64	6.84	74.0	22.36	Peak	51.00	100	Vertical	Pass
6**	16708.238	42.94	6.84	54.0	11.06	AV	51.00	100	Vertical	Pass

GFSK (BLE Code 8) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.500	45.38	-17.60	74.0	28.62	Peak	274.00	300	Horizontal	Pass
1**	1439.500	34.89	-17.60	54.0	19.11	AV	274.00	300	Horizontal	Pass
2	2401.800	106.93	-13.91	74.0	-32.93	Peak	17.00	200	Horizontal	N/A
2**	2401.800	105.82	-13.91	54.0	-51.82	AV	17.00	200	Horizontal	N/A
3	2988.300	49.32	-11.08	74.0	24.68	Peak	326.00	200	Horizontal	Pass
3**	2988.300	39.69	-11.08	54.0	14.31	AV	326.00	200	Horizontal	Pass
4	4840.800	46.63	-6.20	74.0	27.37	Peak	241.00	300	Horizontal	Pass
4**	4840.800	37.56	-6.20	54.0	16.44	AV	241.00	300	Horizontal	Pass
5	6992.600	51.50	-1.10	74.0	22.50	Peak	282.00	100	Horizontal	Pass
5**	6992.600	43.19	-1.10	54.0	10.81	AV	282.00	100	Horizontal	Pass
6	17492.324	51.62	8.02	74.0	22.38	Peak	240.00	100	Horizontal	Pass
6**	17492.324	42.51	8.02	54.0	11.49	AV	240.00	100	Horizontal	Pass

GFSK (BLE Code 8) LOW 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	1330.900	45.26	-17.83	74.0	28.74	Peak	139.00	100	Vertical	Pass
1**	1330.900	32.25	-17.83	54.0	21.75	AV	139.00	100	Vertical	Pass
2	2401.800	97.61	-13.91	74.0	-23.61	Peak	200.00	200	Vertical	N/A
2**	2401.800	96.16	-13.91	54.0	-42.16	AV	200.00	200	Vertical	N/A
3	2809.400	49.47	-11.83	74.0	24.53	Peak	27.00	100	Vertical	Pass
3**	2809.400	39.92	-11.83	54.0	14.08	AV	27.00	100	Vertical	Pass
4	4856.000	46.45	-6.24	74.0	27.55	Peak	161.00	200	Vertical	Pass
4**	4856.000	37.32	-6.24	54.0	16.68	AV	161.00	200	Vertical	Pass
5	6997.400	51.93	-1.39	74.0	22.07	Peak	161.00	100	Vertical	Pass
5**	6997.400	43.15	-1.39	54.0	10.85	AV	161.00	100	Vertical	Pass
6	17985.563	51.59	5.86	74.0	22.41	Peak	323.00	100	Vertical	Pass
6**	17985.563	41.46	5.86	54.0	12.54	AV	323.00	100	Vertical	Pass

GFSK (BLE Code 8) 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	1439.700	45.02	-17.54	74.0	28.98	Peak	283.00	200	Horizontal	Pass
1**	1439.700	34.97	-17.54	54.0	19.03	AV	283.00	200	Horizontal	Pass
2	2440.200	106.89	-13.31	74.0	-32.89	Peak	17.00	200	Horizontal	N/A
2**	2440.200	106.63	-13.31	54.0	-52.63	AV	17.00	200	Horizontal	N/A
3	2990.600	48.62	-11.26	74.0	25.38	Peak	305.00	200	Horizontal	Pass
3**	2990.600	40.04	-11.26	54.0	13.96	AV	305.00	200	Horizontal	Pass
4	4848.400	46.00	-6.04	74.0	28.00	Peak	281.00	300	Horizontal	Pass
4**	4848.400	38.12	-6.04	54.0	15.88	AV	281.00	300	Horizontal	Pass
5	6845.800	51.21	-1.50	74.0	22.79	Peak	302.00	300	Horizontal	Pass
5**	6845.800	42.06	-1.50	54.0	11.94	AV	302.00	300	Horizontal	Pass
6	16901.175	51.84	7.09	74.0	22.16	Peak	295.00	100	Horizontal	Pass
6**	16901.175	42.57	7.09	54.0	11.43	AV	295.00	100	Horizontal	Pass

GFSK (BLE Code 8) 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	1438.200	43.27	-17.69	74.0	30.73	Peak	0.00	200	Vertical	Pass
1**	1438.200	32.25	-17.69	54.0	21.75	AV	0.00	200	Vertical	Pass
2	2440.200	97.99	-13.31	74.0	-23.99	Peak	202.00	100	Vertical	N/A
2**	2440.200	97.88	-13.31	54.0	-43.88	AV	202.00	100	Vertical	N/A
3	2919.500	49.19	-11.50	74.0	24.81	Peak	78.00	100	Vertical	Pass
3**	2919.500	39.10	-11.50	54.0	14.90	AV	78.00	100	Vertical	Pass
4	4850.200	46.55	-6.15	74.0	27.45	Peak	123.00	300	Vertical	Pass
4**	4850.200	37.32	-6.15	54.0	16.68	AV	123.00	300	Vertical	Pass
5	6987.600	51.73	-1.47	74.0	22.27	Peak	144.00	200	Vertical	Pass
5**	6987.600	42.29	-1.47	54.0	11.71	AV	144.00	200	Vertical	Pass
6	16753.651	52.36	6.09	74.0	21.64	Peak	138.00	100	Vertical	Pass
6**	16753.651	41.65	6.09	54.0	12.35	AV	138.00	100	Vertical	Pass

GFSK (BLE Code 8) HIGH 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	1442.100	45.59	-17.88	74.0	28.41	Peak	291.00	100	Horizontal	Pass
1**	1442.100	33.48	-17.88	54.0	20.52	AV	291.00	100	Horizontal	Pass
2	2479.900	98.46	-13.54	74.0	-24.46	Peak	119.00	100	Horizontal	N/A
2**	2479.900	97.79	-13.54	54.0	-43.79	AV	119.00	100	Horizontal	N/A
3	2916.900	48.89	-11.17	74.0	25.11	Peak	291.00	100	Horizontal	Pass
3**	2916.900	39.70	-11.17	54.0	14.30	AV	291.00	100	Horizontal	Pass
4	4847.200	46.47	-6.46	74.0	27.53	Peak	0.00	400	Horizontal	Pass
4**	4847.200	37.30	-6.46	54.0	16.70	AV	0.00	400	Horizontal	Pass
5	6825.400	51.57	-1.52	74.0	22.43	Peak	57.00	100	Horizontal	Pass
5**	6825.400	41.78	-1.52	54.0	12.22	AV	57.00	100	Horizontal	Pass
6	17491.276	51.91	8.06	74.0	22.09	Peak	360.00	100	Horizontal	Pass
6**	17491.276	41.41	8.06	54.0	12.59	AV	360.00	100	Horizontal	Pass

GFSK (BLE Code 8) HIGH 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	1440.000	44.53	-17.48	74.0	29.47	Peak	292.00	300	Vertical	Pass
1**	1440.000	34.12	-17.48	54.0	19.88	AV	292.00	300	Vertical	Pass
2	2479.900	98.09	-13.54	74.0	-24.09	Peak	118.00	200	Vertical	N/A
2**	2479.900	97.43	-13.54	54.0	-43.43	AV	118.00	200	Vertical	N/A
3	2774.600	48.95	-12.10	74.0	25.05	Peak	292.00	100	Vertical	Pass
3**	2774.600	39.58	-12.10	54.0	14.42	AV	292.00	100	Vertical	Pass
4	4862.000	46.39	-6.83	74.0	27.61	Peak	164.00	100	Vertical	Pass
4**	4862.000	37.64	-6.83	54.0	16.36	AV	164.00	100	Vertical	Pass
5	6848.200	51.25	-1.12	74.0	22.75	Peak	103.00	300	Vertical	Pass
5**	6848.200	42.04	-1.12	54.0	11.96	AV	103.00	300	Vertical	Pass
6	17454.524	52.01	8.26	74.0	21.99	Peak	0.00	100	Vertical	Pass
6**	17454.524	42.01	8.26	54.0	11.99	AV	0.00	100	Vertical	Pass

GFSK (BLE Code 2) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1436.200	43.22	-17.87	74.0	30.78	Peak	323.00	300	Horizontal	Pass
1**	1436.200	33.27	-17.87	54.0	20.73	AV	323.00	300	Horizontal	Pass
2	2401.700	111.17	-13.85	74.0	-37.17	Peak	6.00	200	Horizontal	N/A
2**	2401.700	110.08	-13.85	54.0	-56.08	AV	6.00	200	Horizontal	N/A
3	2873.900	49.72	-11.64	74.0	24.28	Peak	281.00	200	Horizontal	Pass
3**	2873.900	38.99	-11.64	54.0	15.01	AV	281.00	200	Horizontal	Pass
4	4845.200	46.92	-6.34	74.0	27.08	Peak	104.00	400	Horizontal	Pass
4**	4845.200	37.63	-6.34	54.0	16.37	AV	104.00	400	Horizontal	Pass
5	6991.200	52.35	-1.46	74.0	21.65	Peak	104.00	100	Horizontal	Pass
5**	6991.200	42.67	-1.46	54.0	11.33	AV	104.00	100	Horizontal	Pass
6	15997.388	51.93	6.85	74.0	22.07	Peak	168.00	100	Horizontal	Pass
6**	15997.388	43.21	6.85	54.0	10.79	AV	168.00	100	Horizontal	Pass

GFSK (BLE Code 2) LOW 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	1331.000	45.96	-17.81	74.0	28.04	Peak	134.00	100	Vertical	Pass
1**	1331.000	35.88	-17.81	54.0	18.12	AV	134.00	100	Vertical	Pass
2	2401.700	103.53	-13.85	74.0	-29.53	Peak	185.00	200	Vertical	N/A
2**	2401.700	102.01	-13.85	54.0	-48.01	AV	185.00	200	Vertical	N/A
3	2914.600	49.40	-11.13	74.0	24.60	Peak	30.00	100	Vertical	Pass
3**	2914.600	39.64	-11.13	54.0	14.36	AV	30.00	100	Vertical	Pass
4	4854.000	46.54	-6.48	74.0	27.46	Peak	323.00	300	Vertical	Pass
4**	4854.000	37.42	-6.48	54.0	16.58	AV	323.00	300	Vertical	Pass
5	6990.200	53.05	-1.19	74.0	20.95	Peak	202.00	300	Vertical	Pass
5**	6990.200	42.98	-1.19	54.0	11.02	AV	202.00	300	Vertical	Pass
6	16696.425	52.16	6.64	74.0	21.84	Peak	19.00	100	Vertical	Pass
6**	16696.425	41.76	6.64	54.0	12.24	AV	19.00	100	Vertical	Pass

GFSK (BLE Code 2) 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	1440.100	43.65	-17.60	74.0	30.35	Peak	295.00	300	Horizontal	Pass
1**	1440.100	34.08	-17.60	54.0	19.92	AV	295.00	300	Horizontal	Pass
2	2439.700	110.78	-13.99	74.0	-36.78	Peak	1.00	200	Horizontal	N/A
2**	2439.700	109.74	-13.99	54.0	-55.74	AV	1.00	200	Horizontal	N/A
3	2873.200	48.78	-11.50	74.0	25.22	Peak	285.00	100	Horizontal	Pass
3**	2873.200	39.31	-11.50	54.0	14.69	AV	285.00	100	Horizontal	Pass
4	4858.200	46.39	-6.65	74.0	27.61	Peak	135.00	200	Horizontal	Pass
4**	4858.200	36.68	-6.65	54.0	17.32	AV	135.00	200	Horizontal	Pass
5	6863.200	51.12	-0.87	74.0	22.88	Peak	135.00	100	Horizontal	Pass
5**	6863.200	41.61	-0.87	54.0	12.39	AV	135.00	100	Horizontal	Pass
6	16742.886	51.15	6.20	74.0	22.85	Peak	0.00	100	Horizontal	Pass
6**	16742.886	41.77	6.20	54.0	12.23	AV	0.00	100	Horizontal	Pass

GFSK ((BLE Code 2) 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	1328.000	44.61	-17.65	74.0	29.39	Peak	121.00	100	Vertical	Pass
1**	1328.000	34.99	-17.65	54.0	19.01	AV	121.00	100	Vertical	Pass
2	2440.300	102.42	-13.98	74.0	-28.42	Peak	173.00	200	Vertical	N/A
2**	2440.300	101.60	-13.98	54.0	-47.60	AV	173.00	200	Vertical	N/A
3	2978.300	49.47	-10.95	74.0	24.53	Peak	9.00	200	Vertical	Pass
3**	2978.300	40.82	-10.95	54.0	13.18	AV	9.00	200	Vertical	Pass
4	4848.600	46.93	-6.10	74.0	27.07	Peak	214.00	200	Vertical	Pass
4**	4848.600	37.72	-6.10	54.0	16.28	AV	214.00	200	Vertical	Pass
5	6978.400	51.90	-1.02	74.0	22.10	Peak	235.00	300	Vertical	Pass
5**	6978.400	42.56	-1.02	54.0	11.44	AV	235.00	300	Vertical	Pass
6	16709.287	52.20	6.88	74.0	21.80	Peak	360.00	100	Vertical	Pass
6**	16709.287	42.88	6.88	54.0	11.12	AV	360.00	100	Vertical	Pass

GFSK ((BLE Code 2) HIGH 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	1439.100	43.00	-17.70	74.0	31.00	Peak	303.00	200	Horizontal	Pass
1**	1439.100	33.13	-17.70	54.0	20.87	AV	303.00	200	Horizontal	Pass
2	2479.800	107.92	-13.54	74.0	-33.92	Peak	85.00	100	Horizontal	N/A
2**	2479.800	106.55	-13.54	54.0	-52.55	AV	85.00	100	Horizontal	N/A
3	2785.600	48.91	-12.09	74.0	25.09	Peak	360.00	200	Horizontal	Pass
3**	2785.600	39.76	-12.09	54.0	14.24	AV	360.00	200	Horizontal	Pass
4	4845.200	46.18	-6.34	74.0	27.82	Peak	325.00	400	Horizontal	Pass
4**	4845.200	38.17	-6.34	54.0	15.83	AV	325.00	400	Horizontal	Pass
5	6972.200	51.30	-0.96	74.0	22.70	Peak	79.00	200	Horizontal	Pass
5**	6972.200	42.78	-0.96	54.0	11.22	AV	79.00	200	Horizontal	Pass
6	16715.588	51.35	6.89	74.0	22.65	Peak	150.00	100	Horizontal	Pass
6**	16715.588	42.20	6.89	54.0	11.80	AV	150.00	100	Horizontal	Pass

GFSK ((BLE Code 2) HIGH 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	1439.900	45.01	-17.49	74.0	28.99	Peak	215.00	300	Vertical	Pass
1**	1439.900	33.93	-17.49	54.0	20.07	AV	215.00	300	Vertical	Pass
2	2479.700	101.14	-13.53	74.0	-27.14	Peak	317.00	100	Vertical	N/A
2**	2479.700	99.61	-13.53	54.0	-45.61	AV	317.00	100	Vertical	N/A
3	2995.100	49.19	-11.24	74.0	24.81	Peak	54.00	100	Vertical	Pass
3**	2995.100	40.26	-11.24	54.0	13.74	AV	54.00	100	Vertical	Pass
4	4849.800	47.03	-6.22	74.0	26.97	Peak	157.00	200	Vertical	Pass
4**	4849.800	37.06	-6.22	54.0	16.94	AV	157.00	200	Vertical	Pass
5	6948.600	51.46	-0.89	74.0	22.54	Peak	257.00	200	Vertical	Pass
5**	6948.600	42.30	-0.89	54.0	11.70	AV	257.00	200	Vertical	Pass
6	16716.113	52.04	6.89	74.0	21.96	Peak	326.00	100	Vertical	Pass
6**	16716.113	42.92	6.89	54.0	11.08	AV	326.00	100	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 + 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.

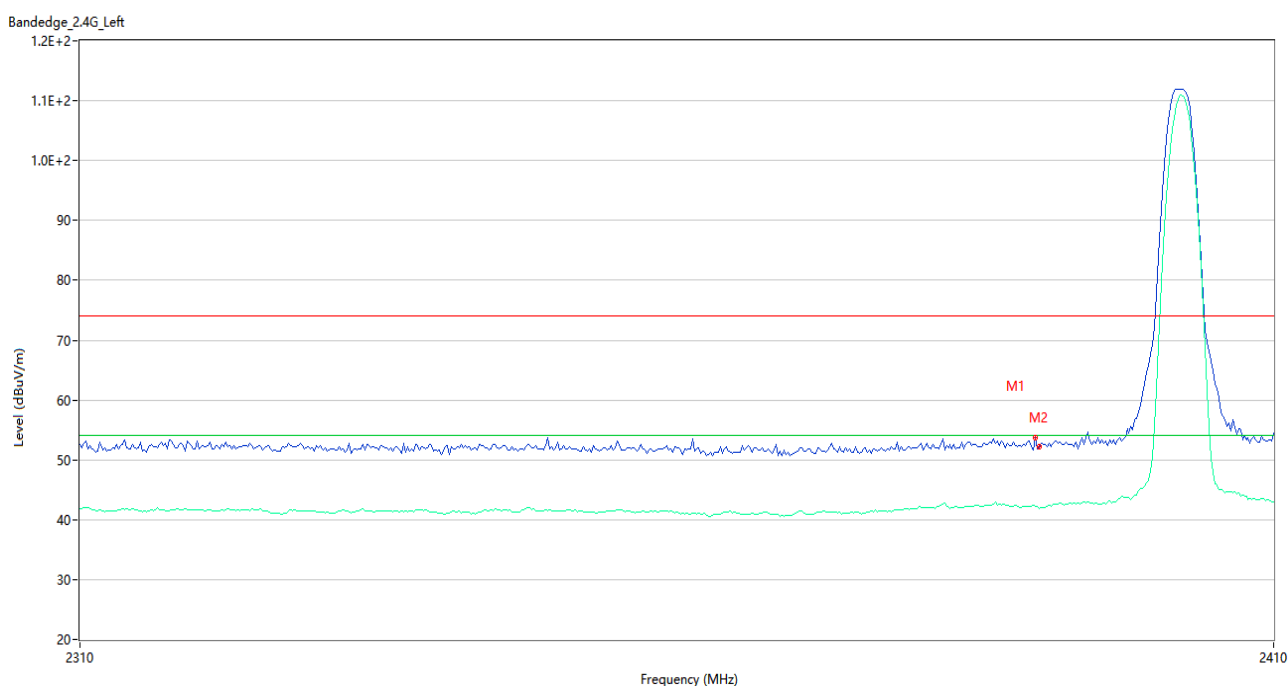
Note ⁴: The Level (dBuV/m) has been corrected by factor.

Note ⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

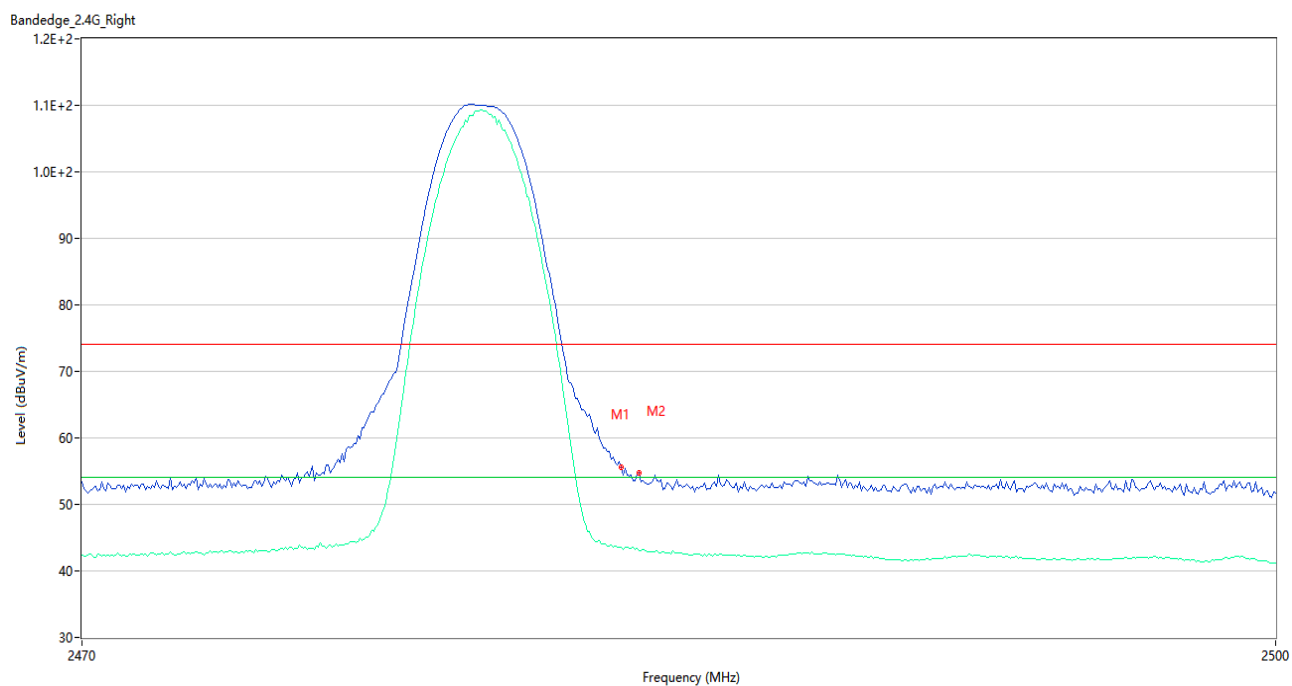
W0BG

GFSK (BLE 1Mbps) LOW CHANNEL



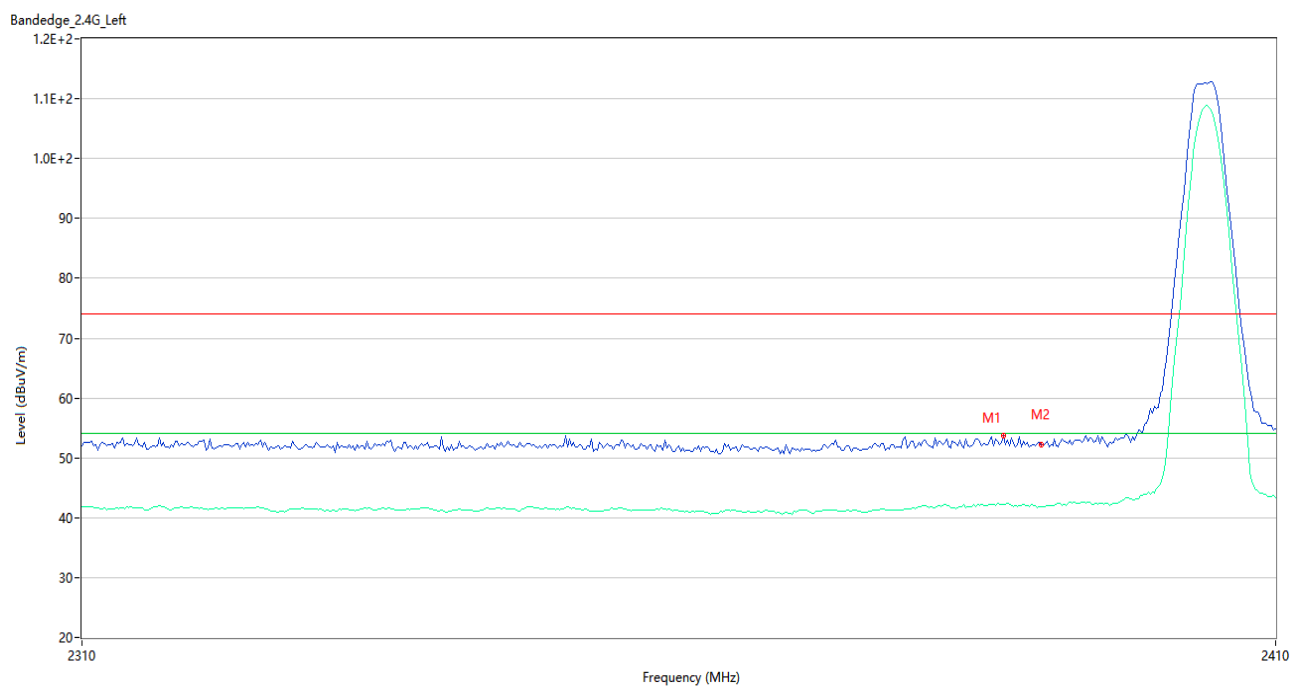
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.667	53.74	-2.07	74.0	20.26	Peak	360.00	300	Horizontal	Pass
1**	2389.667	42.29	-2.07	54.0	11.71	AV	360.00	300	Horizontal	Pass
2	2390.000	52.18	-2.16	74.0	21.82	Peak	360.00	100	Horizontal	Pass
2**	2390.000	41.92	-2.16	54.0	12.08	AV	360.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



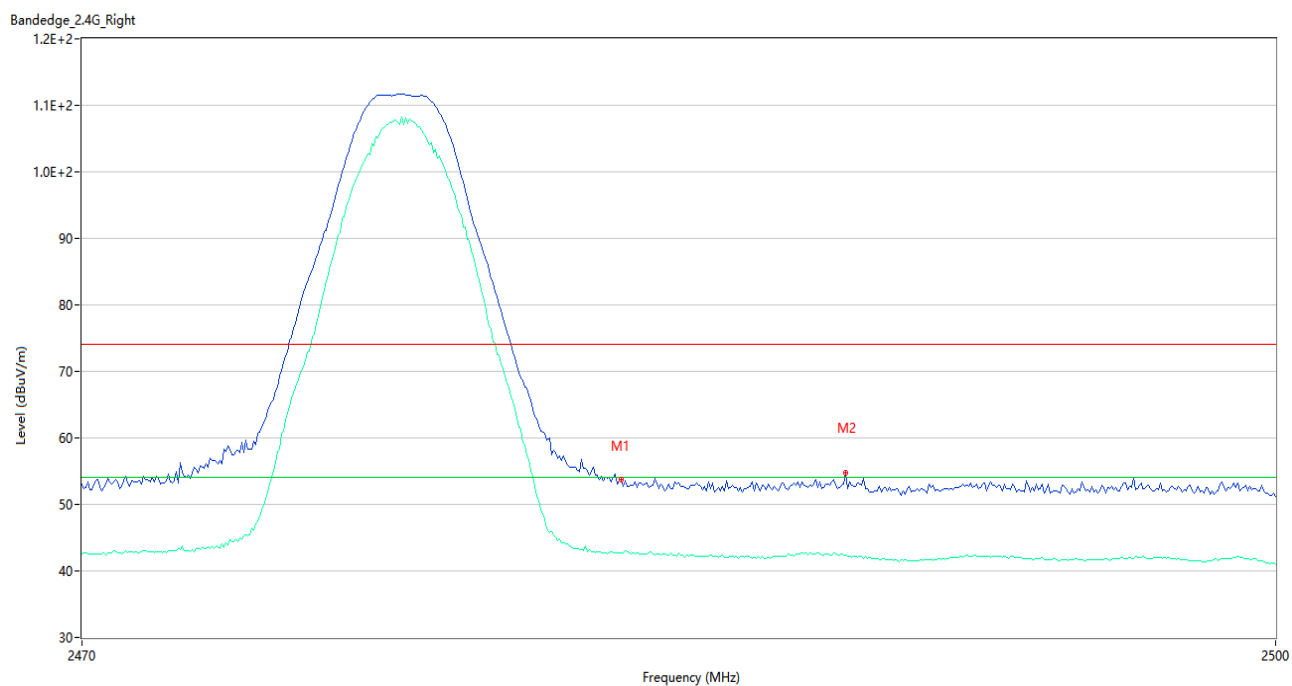
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.65	-1.04	74.0	18.35	Peak	12.00	200	Horizontal	Pass
1**	2483.500	43.59	-1.04	54.0	10.41	AV	12.00	200	Horizontal	Pass
2	2483.950	54.69	-1.01	74.0	19.31	Peak	360.00	400	Horizontal	Pass
2**	2483.950	43.11	-1.01	54.0	10.89	AV	360.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



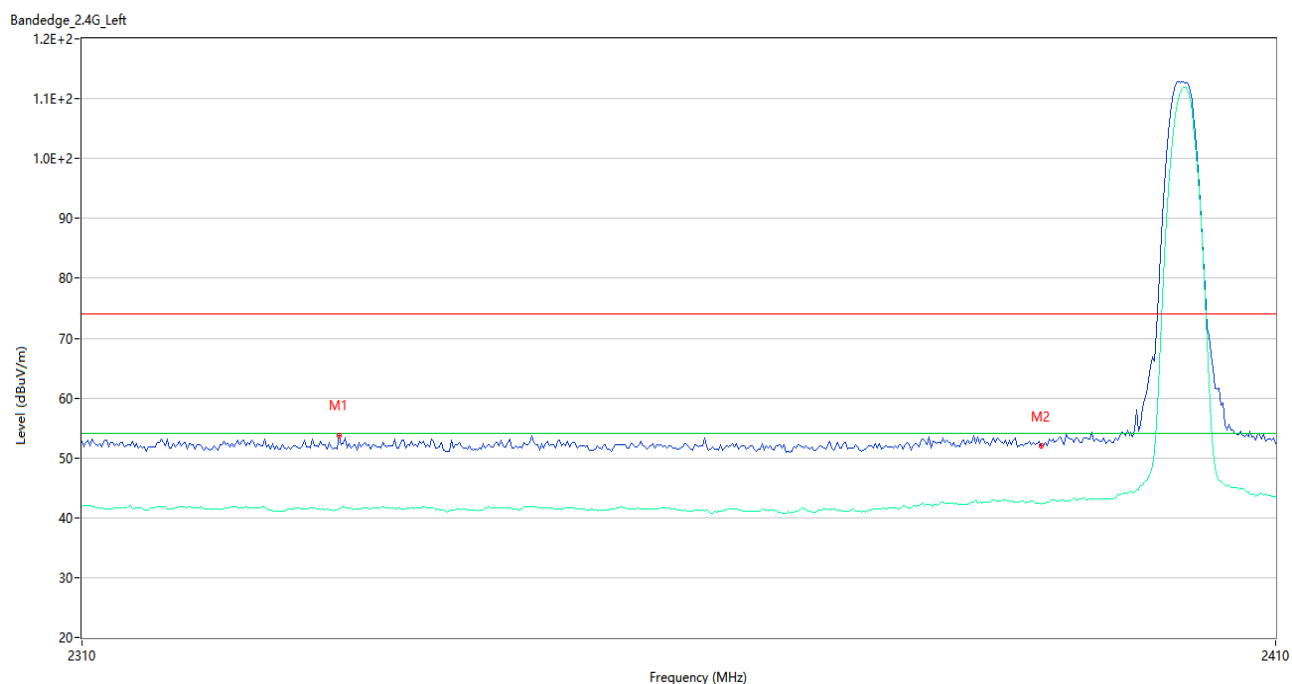
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.833	53.75	-1.52	74.0	20.25	Peak	12.00	200	Horizontal	Pass
1**	2386.833	42.28	-1.52	54.0	11.72	AV	12.00	200	Horizontal	Pass
2	2390.000	52.28	-2.16	74.0	21.72	Peak	360.00	400	Horizontal	Pass
2**	2390.000	41.77	-2.16	54.0	12.23	AV	360.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



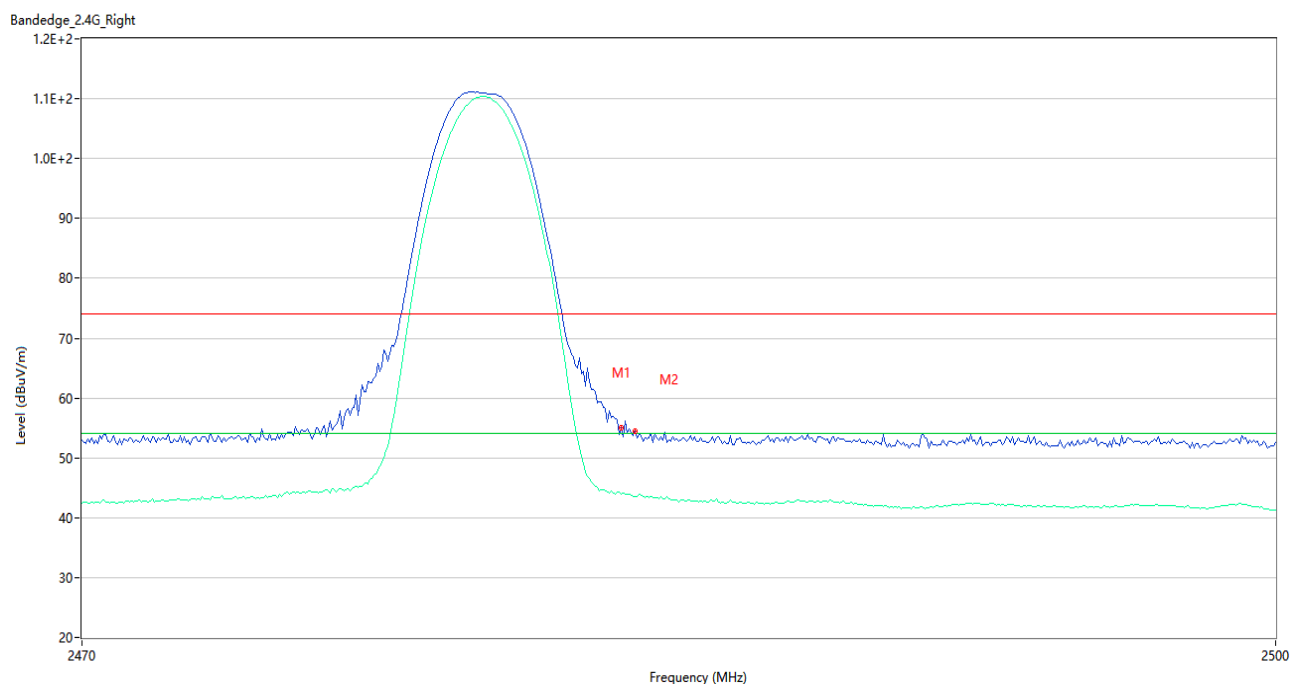
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.76	-1.04	74.0	20.24	Peak	0.00	400	Horizontal	Pass
1**	2483.500	42.74	-1.04	54.0	11.26	AV	0.00	400	Horizontal	Pass
2	2489.150	54.70	-0.87	74.0	19.30	Peak	159.00	100	Horizontal	Pass
2**	2489.150	42.32	-0.87	54.0	11.68	AV	159.00	100	Horizontal	Pass

GFSK (BLE Code 8) LOW CHANNEL



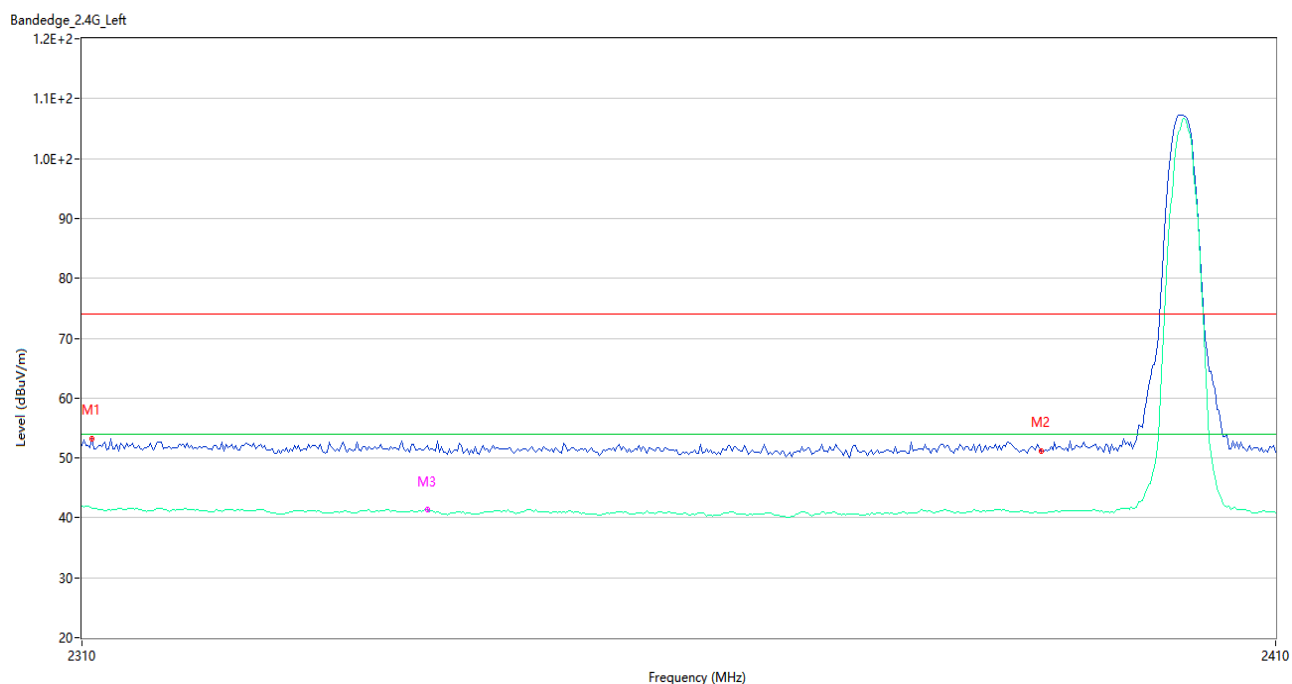
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2331.167	53.74	-2.11	74.0	20.26	Peak	235.00	300	Horizontal	Pass
1**	2331.167	41.41	-2.11	54.0	12.59	AV	235.00	300	Horizontal	Pass
2	2390.000	52.00	-2.16	74.0	22.00	Peak	14.00	400	Horizontal	Pass
2**	2390.000	42.31	-2.16	54.0	11.69	AV	14.00	400	Horizontal	Pass

GFSK (BLE Code 8) HIGH CHANNEL



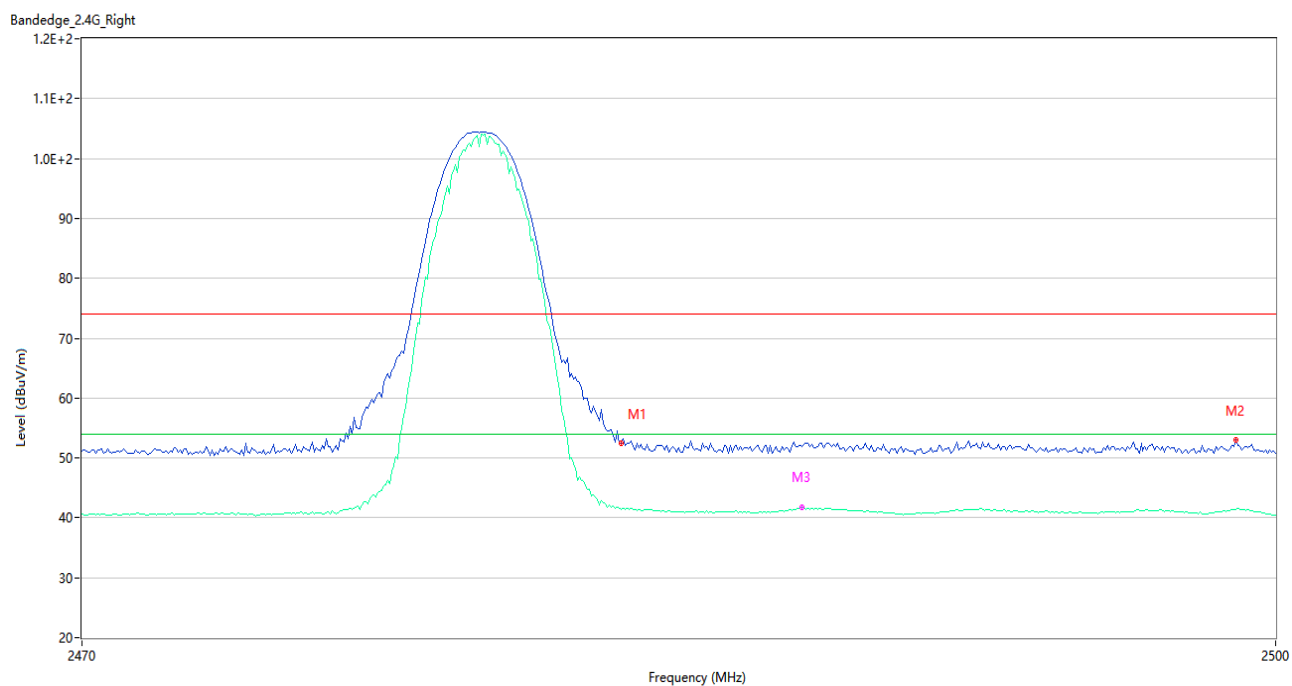
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.04	-1.04	74.0	18.96	Peak	21.00	100	Horizontal	Pass
1**	2483.500	43.90	-1.04	54.0	10.10	AV	21.00	100	Horizontal	Pass
2	2483.850	54.52	-1.00	74.0	19.48	Peak	0.00	100	Horizontal	Pass
2**	2483.850	43.45	-1.00	54.0	10.55	AV	0.00	100	Horizontal	Pass

GFSK (BLE Code 2) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2310.833	53.17	-1.51	74.0	20.83	Peak	158.00	100	Horizontal	Pass
1**	2310.833	41.55	-1.51	54.0	12.45	AV	158.00	100	Horizontal	Pass
2	2390.000	51.10	-2.16	74.0	22.90	Peak	47.00	100	Horizontal	Pass
2**	2390.000	40.82	-2.16	54.0	13.18	AV	47.00	100	Horizontal	Pass
3	2338.500	52.10	-1.80	74.0	21.90	Peak	91.00	100	Horizontal	Pass
3**	2338.500	41.38	-1.80	54.0	12.62	AV	91.00	100	Horizontal	Pass

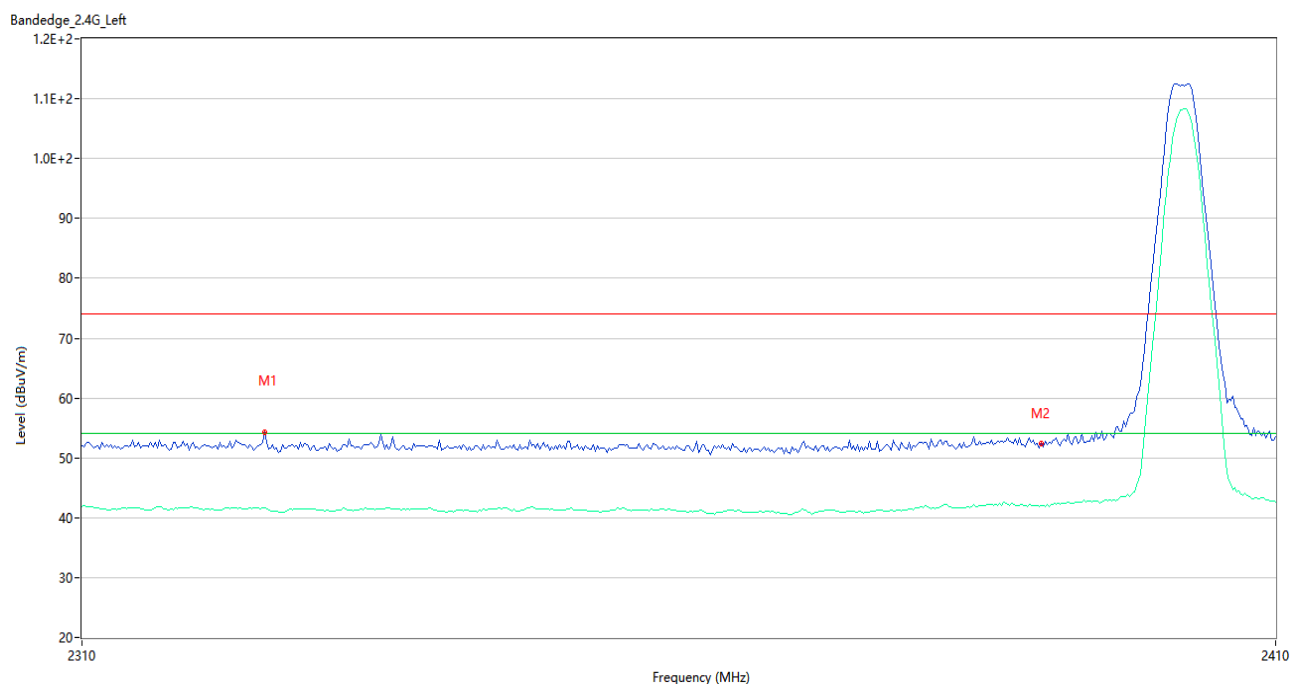
GFSK BLE Code 2) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.40	-1.04	74.0	21.60	Peak	0.00	100	Horizontal	Pass
1**	2483.500	41.35	-1.04	54.0	12.65	AV	0.00	100	Horizontal	Pass
2	2499.000	52.94	-1.12	74.0	21.06	Peak	280.00	100	Horizontal	Pass
2**	2499.000	41.39	-1.12	54.0	12.61	AV	280.00	100	Horizontal	Pass
3	2488.050	51.94	-0.67	74.0	22.06	Peak	305.00	100	Horizontal	Pass
3**	2488.050	41.68	-0.67	54.0	12.32	AV	305.00	100	Horizontal	Pass

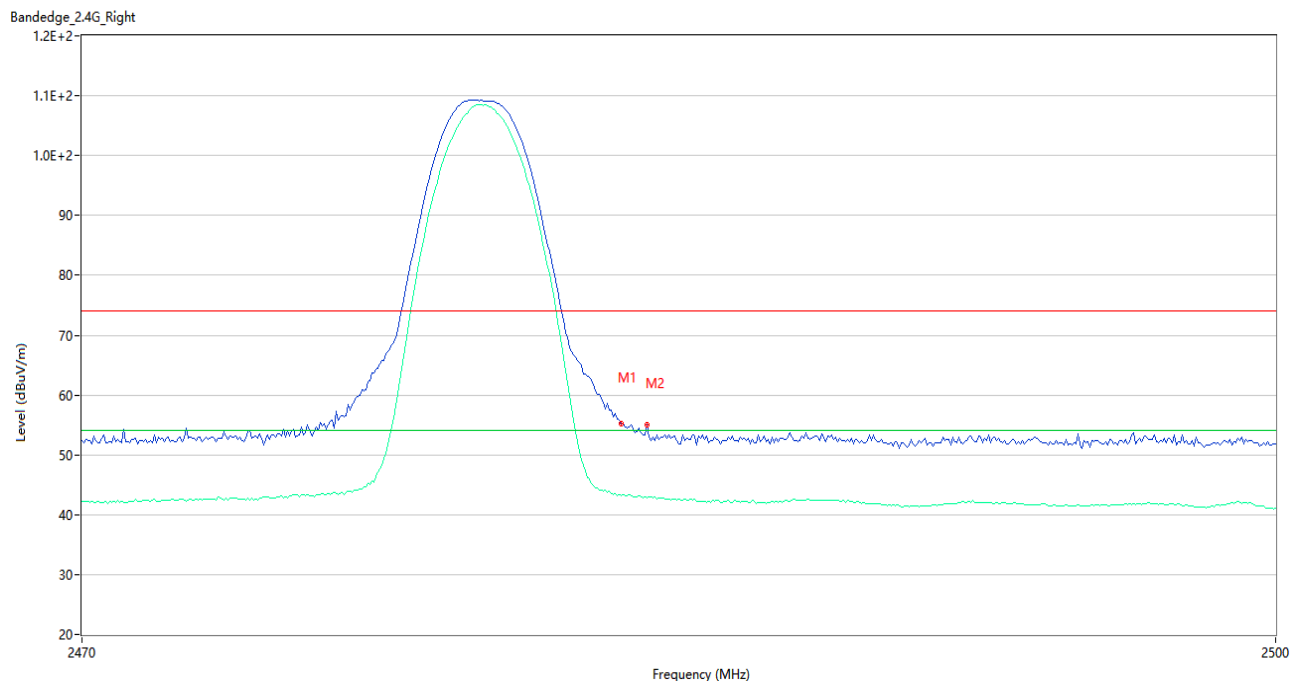
W1BG

GFSK (BLE 1Mbps) LOW CHANNEL



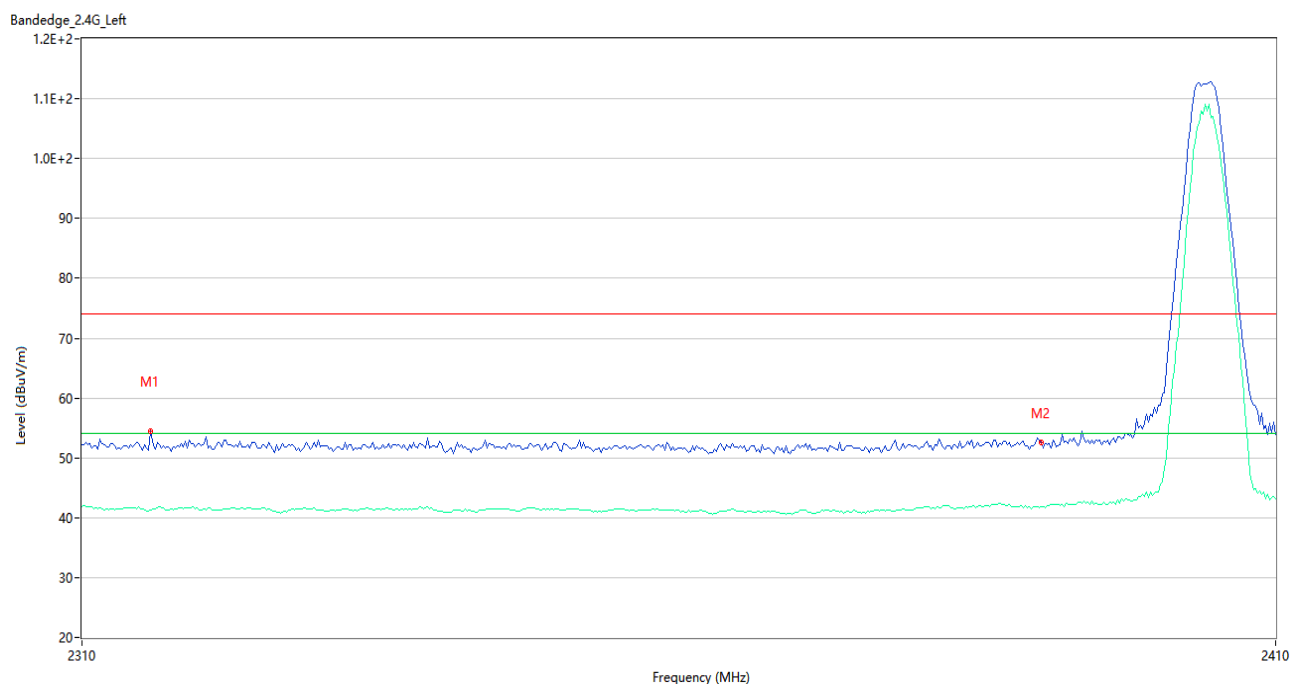
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2325.000	54.26	-1.82	74.0	19.74	Peak	222.00	200	Horizontal	Pass
1**	2325.000	41.60	-1.82	54.0	12.40	AV	222.00	200	Horizontal	Pass
2	2390.000	52.40	-2.16	74.0	21.60	Peak	4.00	400	Horizontal	Pass
2**	2390.000	41.95	-2.16	54.0	12.05	AV	4.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



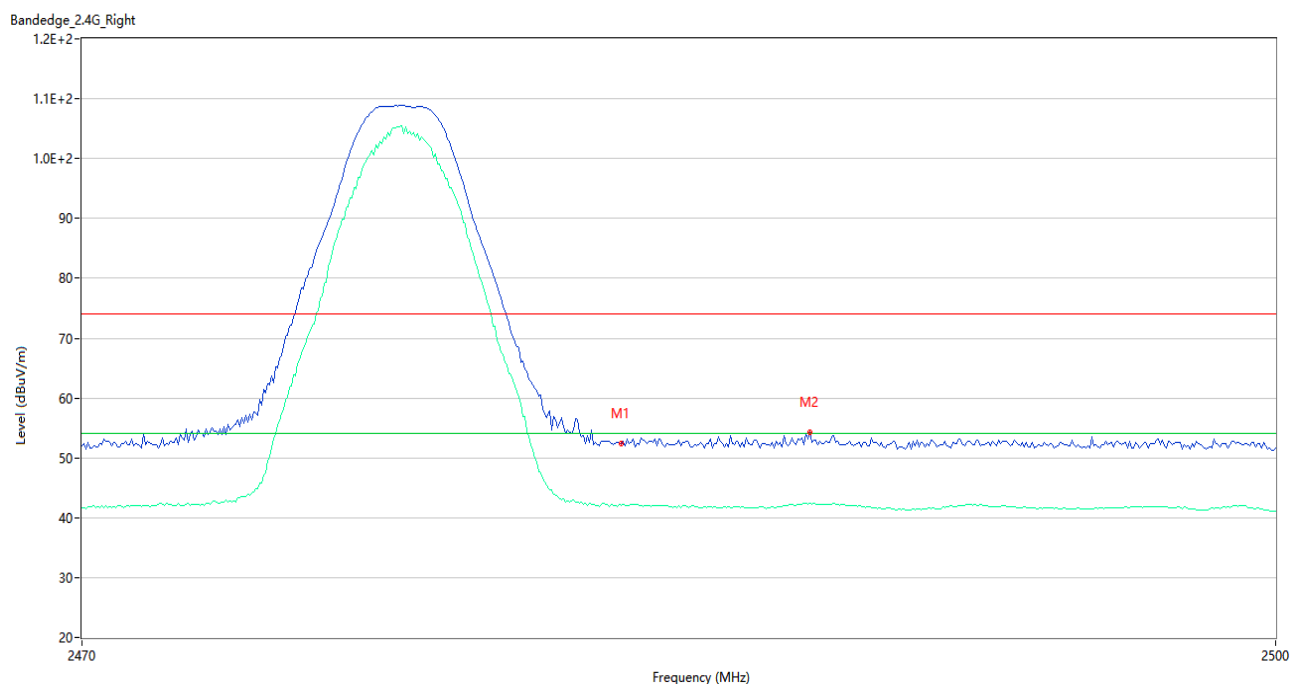
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.29	-1.04	74.0	18.71	Peak	1.00	100	Horizontal	Pass
1**	2483.500	43.09	-1.04	54.0	10.91	AV	1.00	100	Horizontal	Pass
2	2484.150	55.11	-1.04	74.0	18.89	Peak	356.00	400	Horizontal	Pass
2**	2484.150	42.77	-1.04	54.0	11.23	AV	356.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



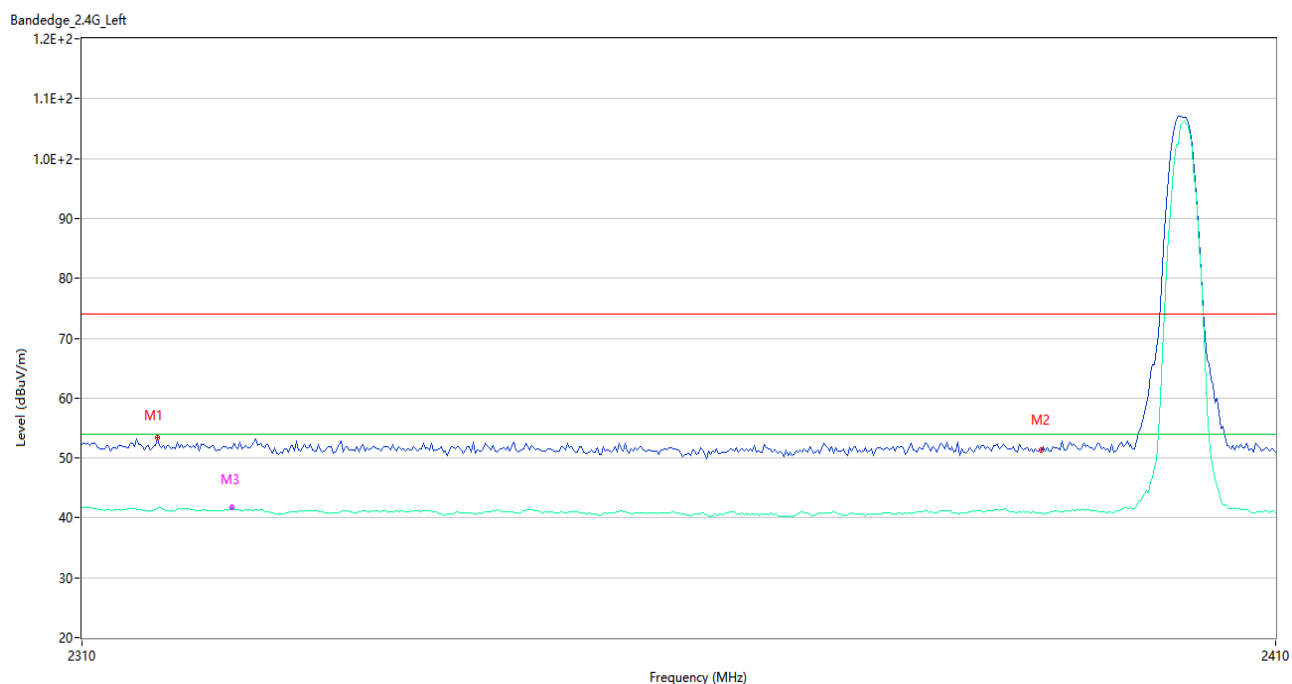
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2315.667	54.45	-1.90	74.0	19.55	Peak	186.00	400	Horizontal	Pass
1**	2315.667	41.26	-1.90	54.0	12.74	AV	186.00	400	Horizontal	Pass
2	2390.000	52.53	-2.16	74.0	21.47	Peak	354.00	400	Horizontal	Pass
2**	2390.000	41.89	-2.16	54.0	12.11	AV	354.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



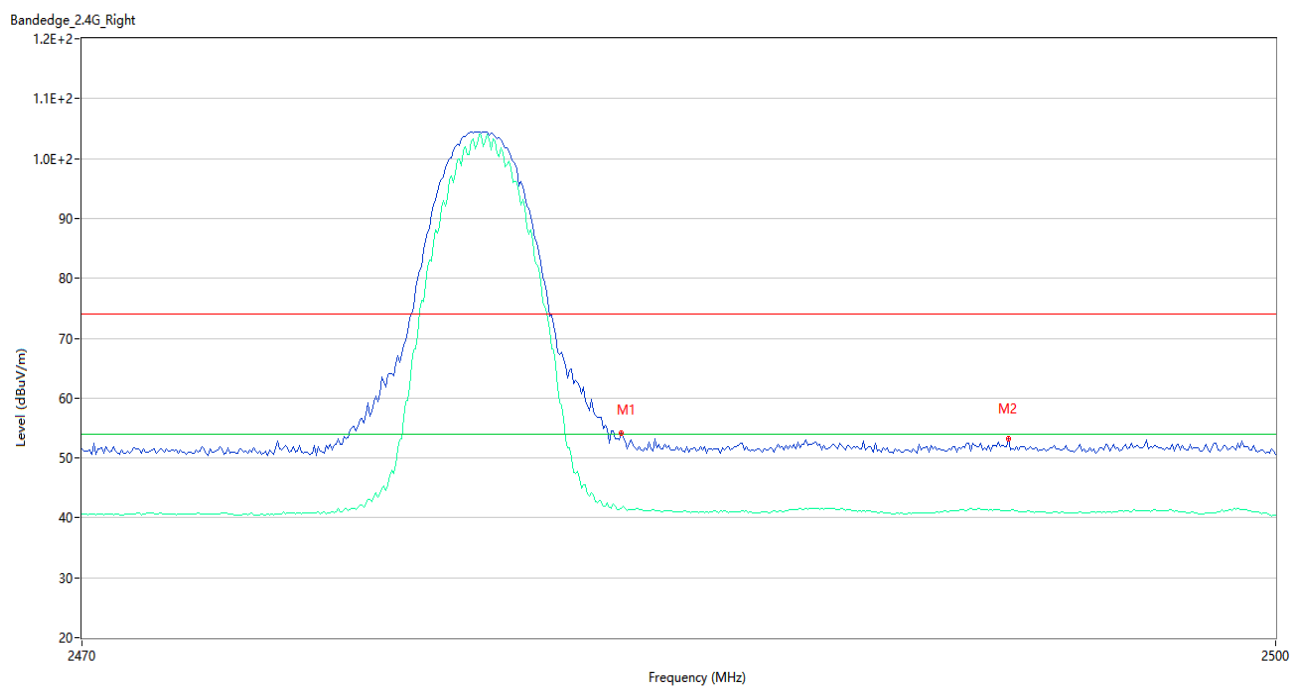
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.43	-1.04	74.0	21.57	Peak	316.00	100	Horizontal	Pass
1**	2483.500	41.97	-1.04	54.0	12.03	AV	316.00	100	Horizontal	Pass
2	2488.250	54.27	-0.69	74.0	19.73	Peak	209.00	400	Horizontal	Pass
2**	2488.250	42.44	-0.69	54.0	11.56	AV	209.00	400	Horizontal	Pass

GFSK (BLE Code 8) LOW CHANNEL



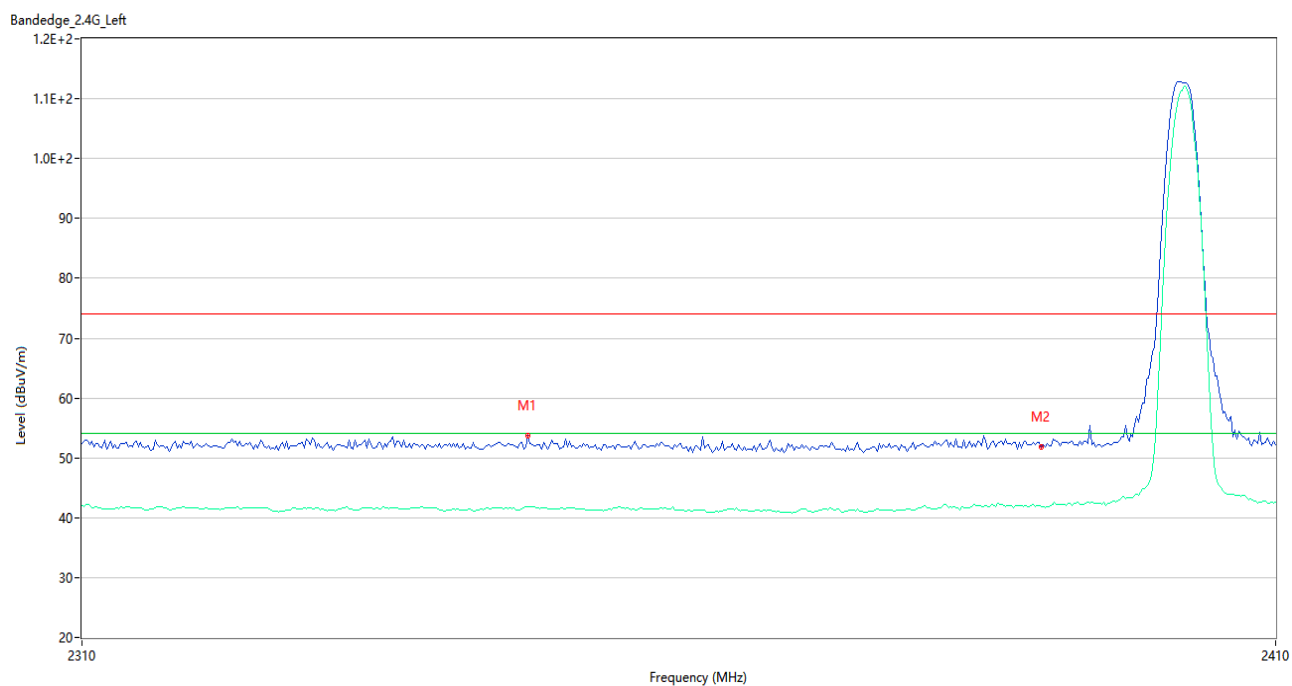
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2316.167	53.32	-1.51	74.0	20.68	Peak	0.00	200	Horizontal	Pass
1**	2316.167	41.52	-1.51	54.0	12.48	AV	0.00	200	Horizontal	Pass
2	2390.000	51.34	-2.16	74.0	22.66	Peak	54.00	200	Horizontal	Pass
2**	2390.000	40.82	-2.16	54.0	13.18	AV	54.00	200	Horizontal	Pass
3	2322.333	51.60	-1.61	74.0	22.40	Peak	345.00	100	Horizontal	Pass
3**	2322.333	41.71	-1.61	54.0	12.29	AV	345.00	100	Horizontal	Pass

GFSK (BLE Code 8) HIGH CHANNEL



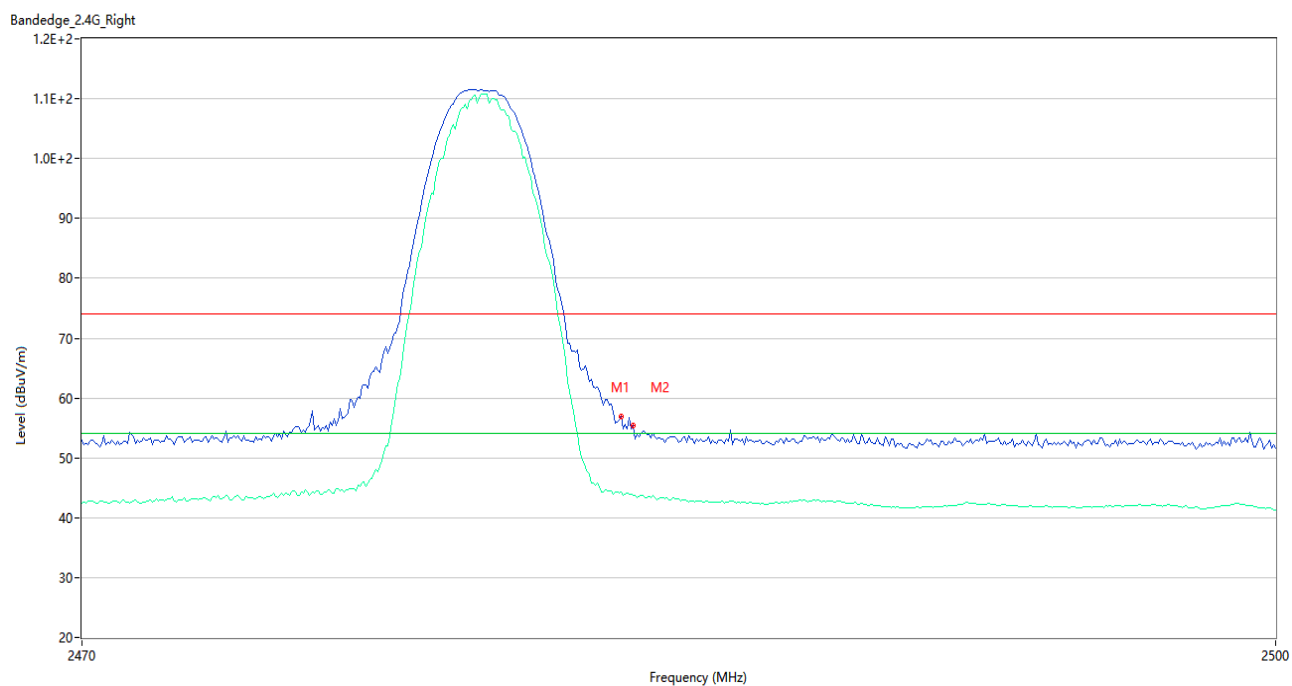
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.08	-1.04	74.0	19.92	Peak	10.00	200	Horizontal	Pass
1**	2483.500	41.56	-1.04	54.0	12.44	AV	10.00	200	Horizontal	Pass
2	2493.250	53.30	-1.18	74.0	20.70	Peak	270.00	400	Horizontal	Pass
2**	2493.250	41.22	-1.18	54.0	12.78	AV	270.00	400	Horizontal	Pass

GFSK (BLE Code 2) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2346.833	53.70	-1.55	74.0	20.30	Peak	114.00	400	Horizontal	Pass
1**	2346.833	41.90	-1.55	54.0	12.10	AV	114.00	400	Horizontal	Pass
2	2390.000	51.84	-2.16	74.0	22.16	Peak	360.00	400	Horizontal	Pass
2**	2390.000	41.80	-2.16	54.0	12.20	AV	360.00	400	Horizontal	Pass

GFSK BLE Code 2) 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	56.86	-1.04	74.0	17.14	Peak	356.00	300	Horizontal	Pass
1**	2483.500	44.24	-1.04	54.0	9.76	AV	356.00	300	Horizontal	Pass
2	2483.800	55.47	-0.99	74.0	18.53	Peak	13.00	100	Horizontal	Pass
2**	2483.800	43.79	-0.99	54.0	10.21	AV	13.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

W0BG

GFSK (BLE 1Mbps)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	1.07	8	Pass
Middle Channel	1.79	8	Pass
High Channel	-0.82	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-0.85	8	Pass
Middle Channel	-0.03	8	Pass
High Channel	-1.95	8	Pass

GFSK (BLE Code 8)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	3.37	8	Pass
Middle Channel	5.05	8	Pass
High Channel	3.88	8	Pass

GFSK (BLE Code 2)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	3.42	8	Pass
Middle Channel	5.09	8	Pass
High Channel	3.77	8	Pass

W1BG

GFSK (BLE 1Mbps)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	1.09	8	Pass
Middle Channel	2.11	8	Pass
High Channel	0.16	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-0.69	8	Pass
Middle Channel	0.22	8	Pass
High Channel	-1.07	8	Pass

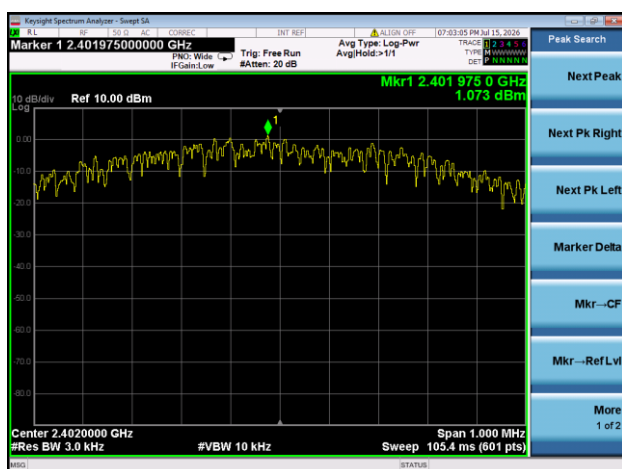
GFSK (BLE Code 8)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	4.40	8	Pass
Middle Channel	5.58	8	Pass
High Channel	4.32	8	Pass

GFSK (BLE Code 2)			
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	4.63	8	Pass
Middle Channel	5.70	8	Pass
High Channel	4.32	8	Pass

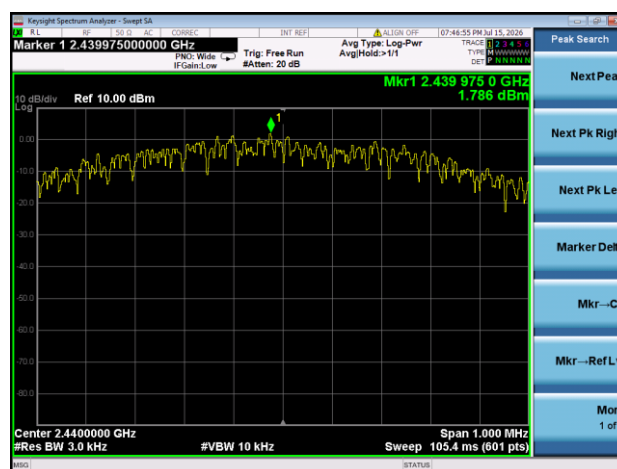
Test Plots

W0BG

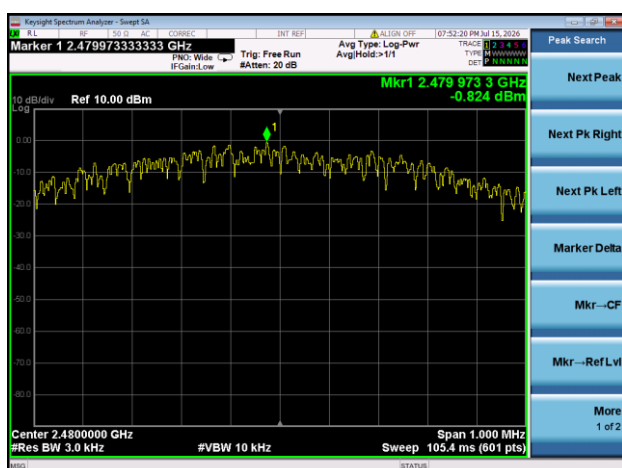
GFSK (BLE 1Mbps) LOW CHANNEL



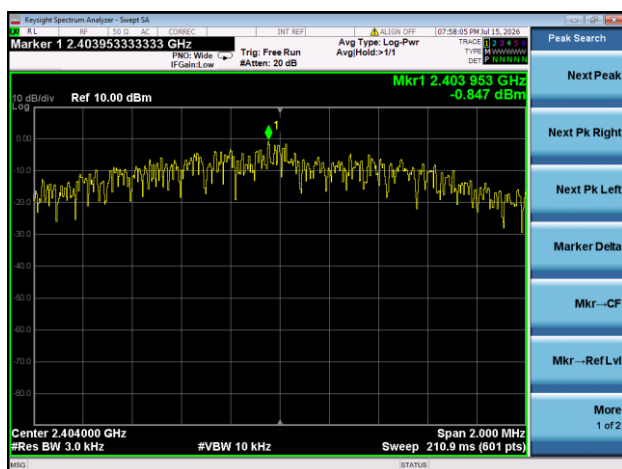
GFSK (BLE 1Mbps) MIDDLE CHANNEL



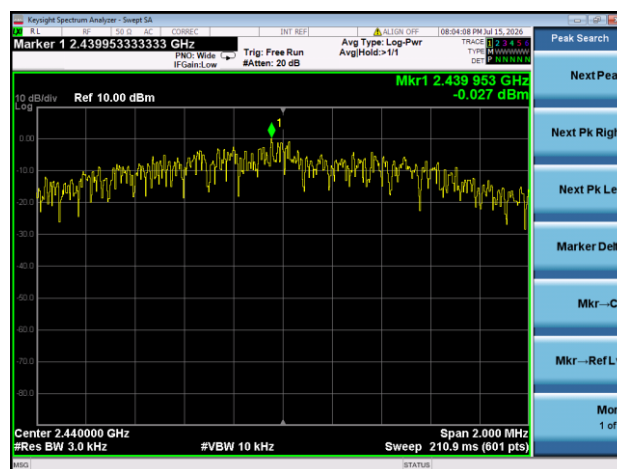
GFSK (BLE 1Mbps) HIGH CHANNEL



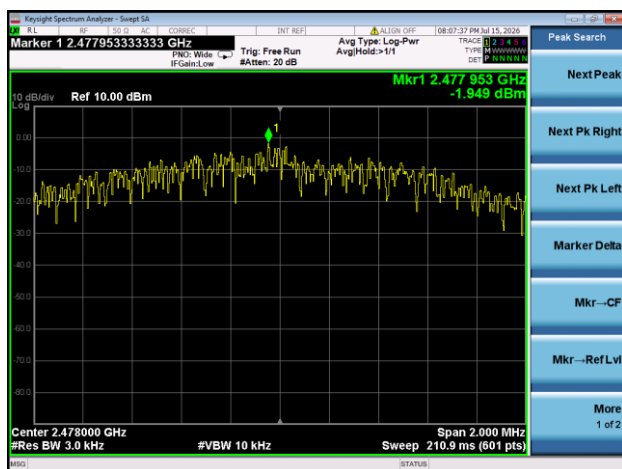
GFSK (BLE 2Mbps) LOW CHANNEL



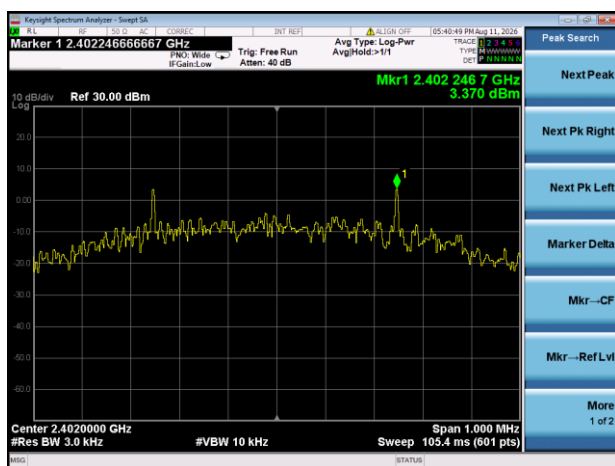
GFSK (BLE 2Mbps) MIDDLE CHANNEL



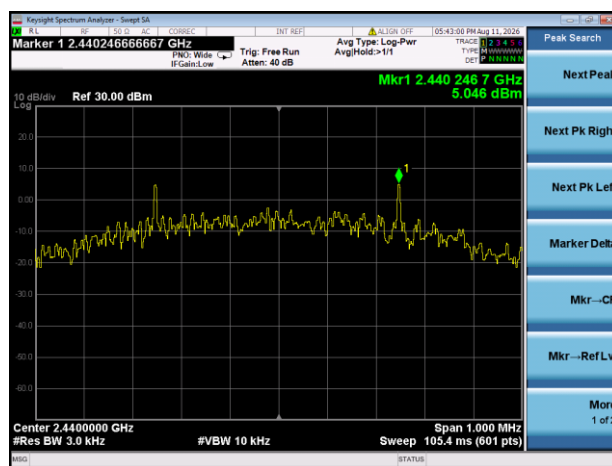
GFSK (BLE 2Mbps) HIGH CHANNEL



GFSK (BLE Code 8) LOW CHANNEL



GFSK (BLE Code 8) MIDDLE CHANNEL



GFSK (BLE Code 8) HIGH CHANNEL

