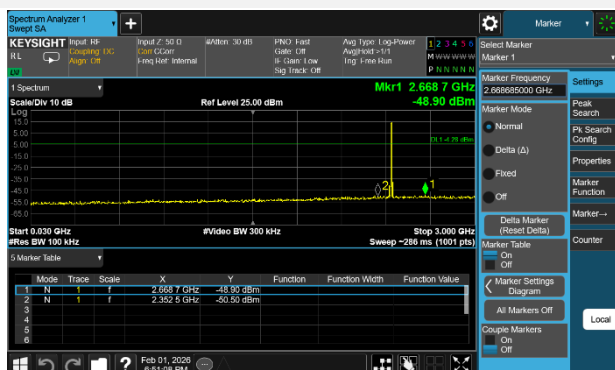


GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



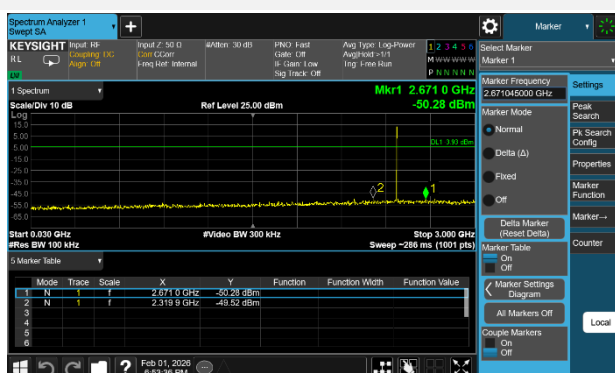
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



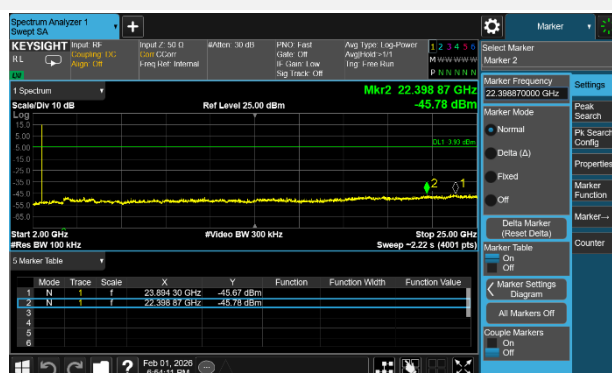
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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



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

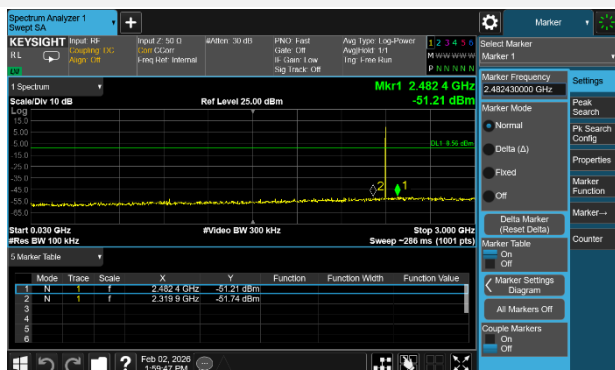


Aux. Antenna

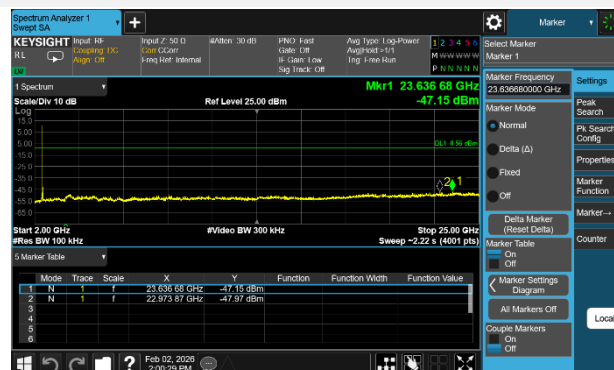
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



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



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



GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL



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



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



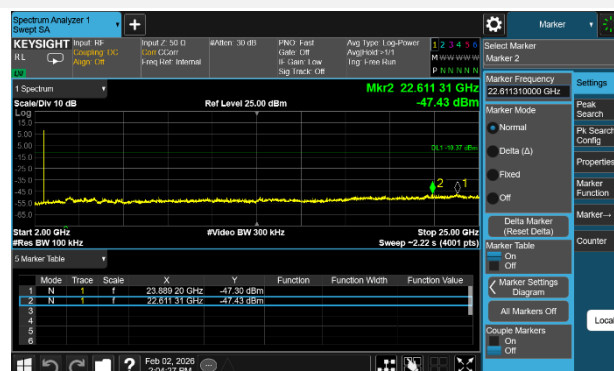
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



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



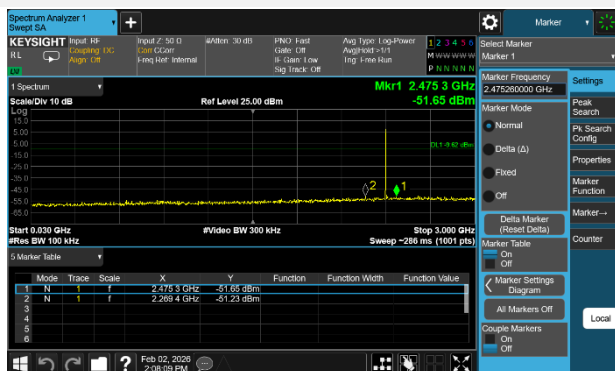
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



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



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



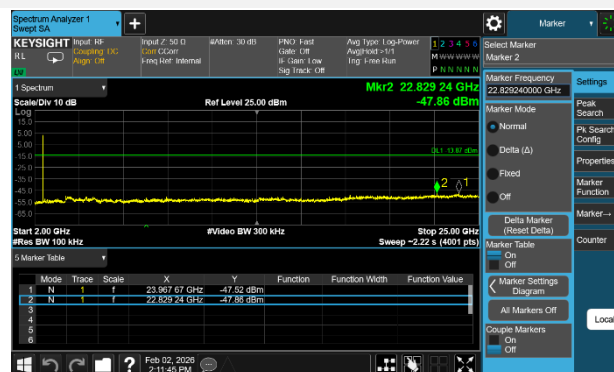
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



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



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



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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



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



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

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

Test Data

Main Antenna

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-45.15	14.56	-5.44	Pass
High	-49.45	15.29	-4.71	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-48.11	13.73	-6.27	Pass
High	-51.64	16.07	-3.93	Pass

Aux. Antenna

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-45.15	14.56	-5.44	Pass
High	-49.45	15.29	-4.71	Pass

GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-48.11	13.73	-6.27	Pass
High	-51.64	16.07	-3.93	Pass

Test Plots

Main Antenna

GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



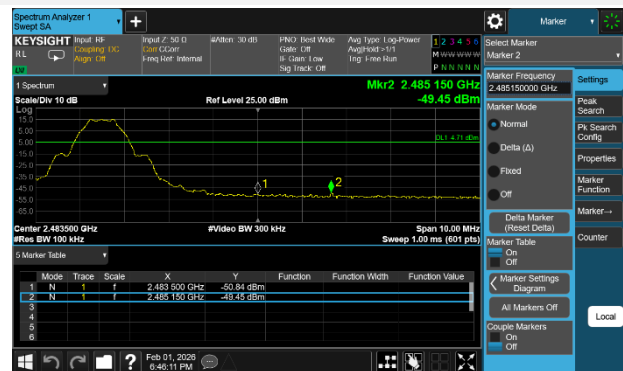
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



Aux. Antenna

GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



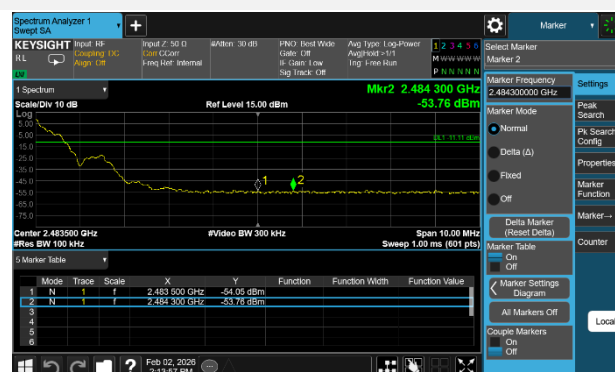
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

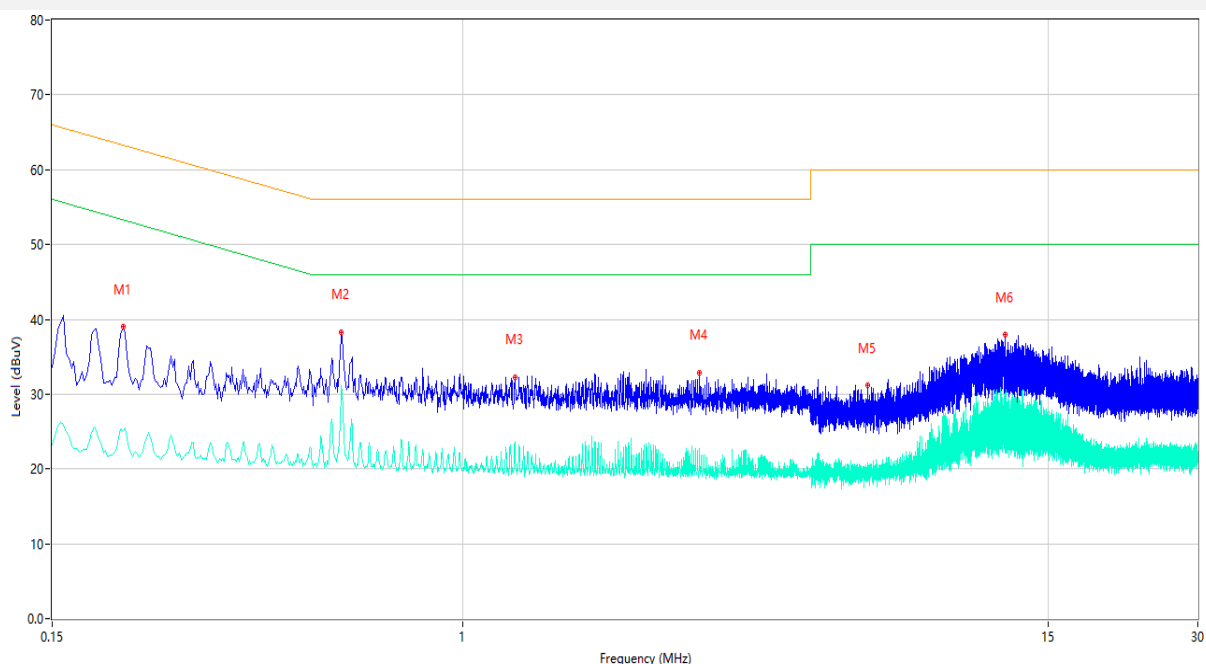
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

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

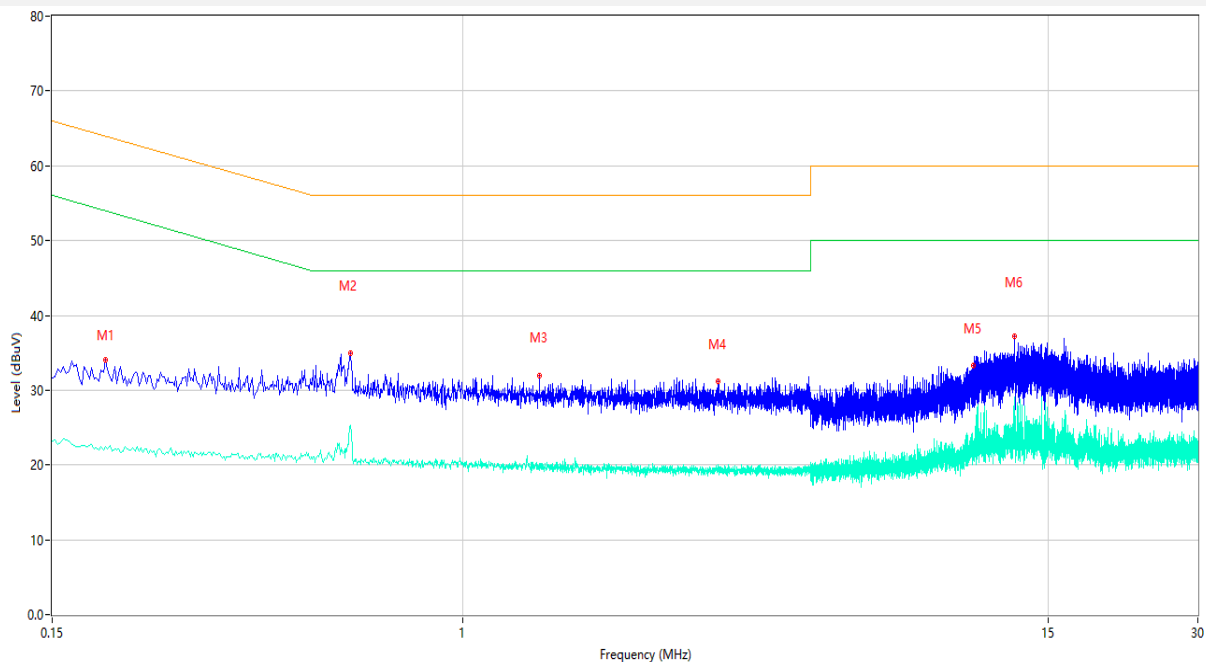
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.208	38.97	10.12	63.28	24.31	Peak	L	Pass
1**	0.208	25.10	10.12	53.28	28.18	AV	L	Pass
2	0.572	38.34	10.18	56.00	17.66	Peak	L	Pass
2**	0.572	31.21	10.18	46.00	14.79	AV	L	Pass
3	1.274	32.29	10.23	56.00	23.71	Peak	L	Pass
3**	1.274	23.68	10.23	46.00	22.32	AV	L	Pass
4	2.990	32.91	10.38	56.00	23.09	Peak	L	Pass
4**	2.990	22.18	10.38	46.00	23.82	AV	L	Pass
5	6.530	31.16	10.66	60.00	28.84	Peak	L	Pass
5**	6.530	20.79	10.66	50.00	29.21	AV	L	Pass
6	12.324	37.96	11.05	60.00	22.04	Peak	L	Pass
6**	12.324	29.40	11.05	50.00	20.60	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.192	34.09	10.16	63.95	29.86	Peak	N	Pass
1**	0.192	22.44	10.16	53.95	31.51	AV	N	Pass
2	0.596	34.98	10.19	56.00	21.02	Peak	N	Pass
2**	0.596	25.32	10.19	46.00	20.68	AV	N	Pass
3	1.428	32.00	10.25	56.00	24.00	Peak	N	Pass
3**	1.428	20.12	10.25	46.00	25.88	AV	N	Pass
4	3.266	31.20	10.32	56.00	24.80	Peak	N	Pass
4**	3.266	19.48	10.32	46.00	26.52	AV	N	Pass
5	10.604	33.28	10.96	60.00	26.72	Peak	N	Pass
5**	10.604	22.86	10.96	50.00	27.14	AV	N	Pass
6	12.860	37.16	11.04	60.00	22.84	Peak	N	Pass
6**	12.860	26.53	11.04	50.00	23.47	AV	N	Pass

A.6 Radiated Spurious Emission

Note 1: The symbol of “--” in the table which means not application.

Note 2: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

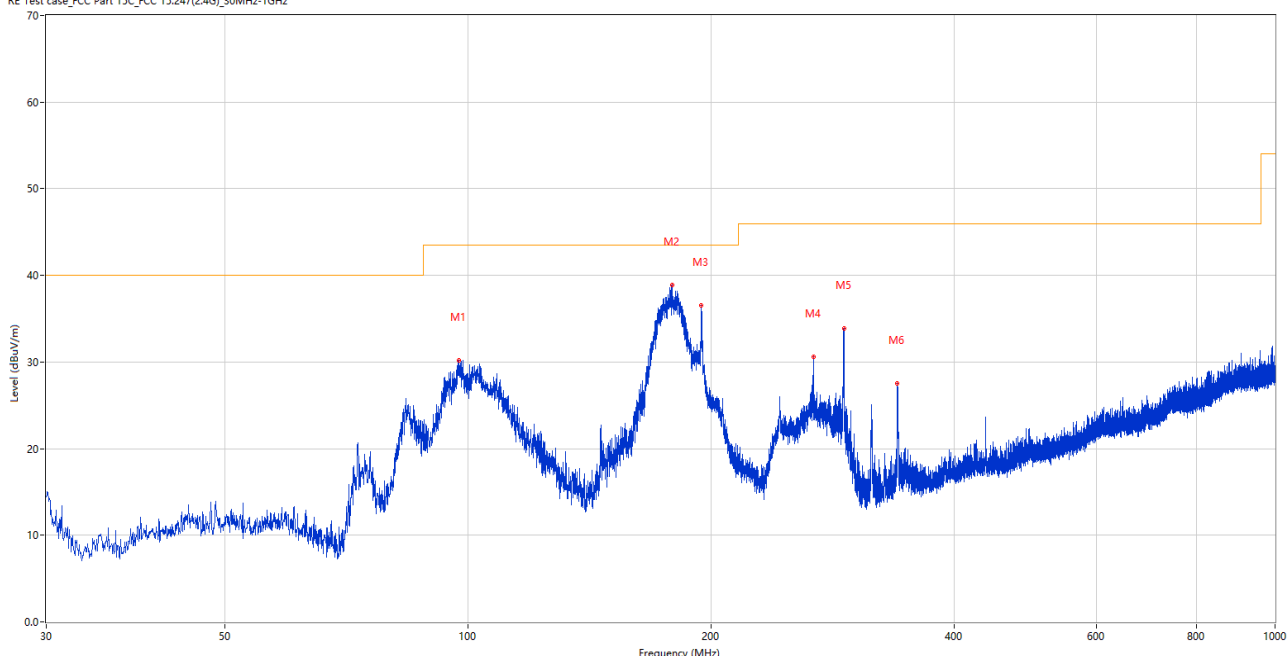
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 1M-High channel mode is the worst.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

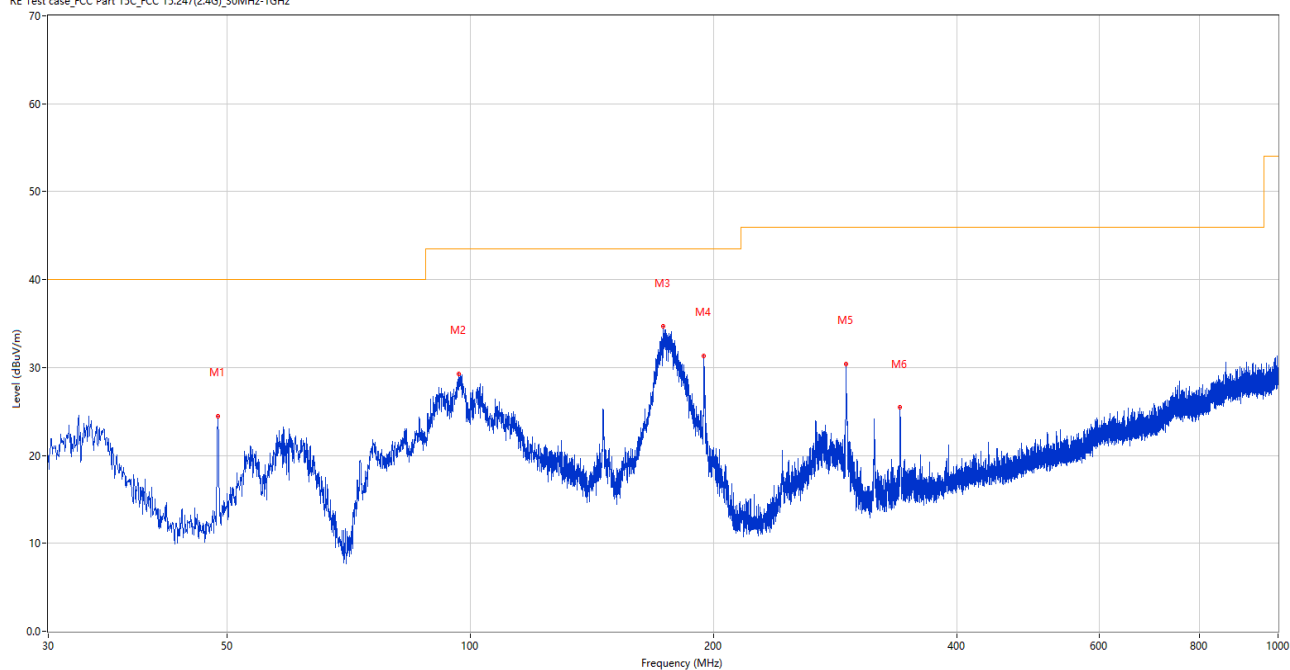
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	97.415	30.24	-26.30	43.5	13.26	Peak	198.00	200	Horizontal	Pass
2	178.846	38.89	-27.90	43.5	4.61	Peak	86.00	100	Horizontal	Pass
3	194.560	36.54	-25.64	43.5	6.96	Peak	44.00	100	Horizontal	Pass
4	267.747	30.63	-24.09	46.0	15.37	Peak	360.00	100	Horizontal	Pass
5	292.385	33.91	-23.19	46.0	12.09	Peak	86.00	100	Horizontal	Pass
6	340.497	27.50	-21.89	46.0	18.50	Peak	68.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



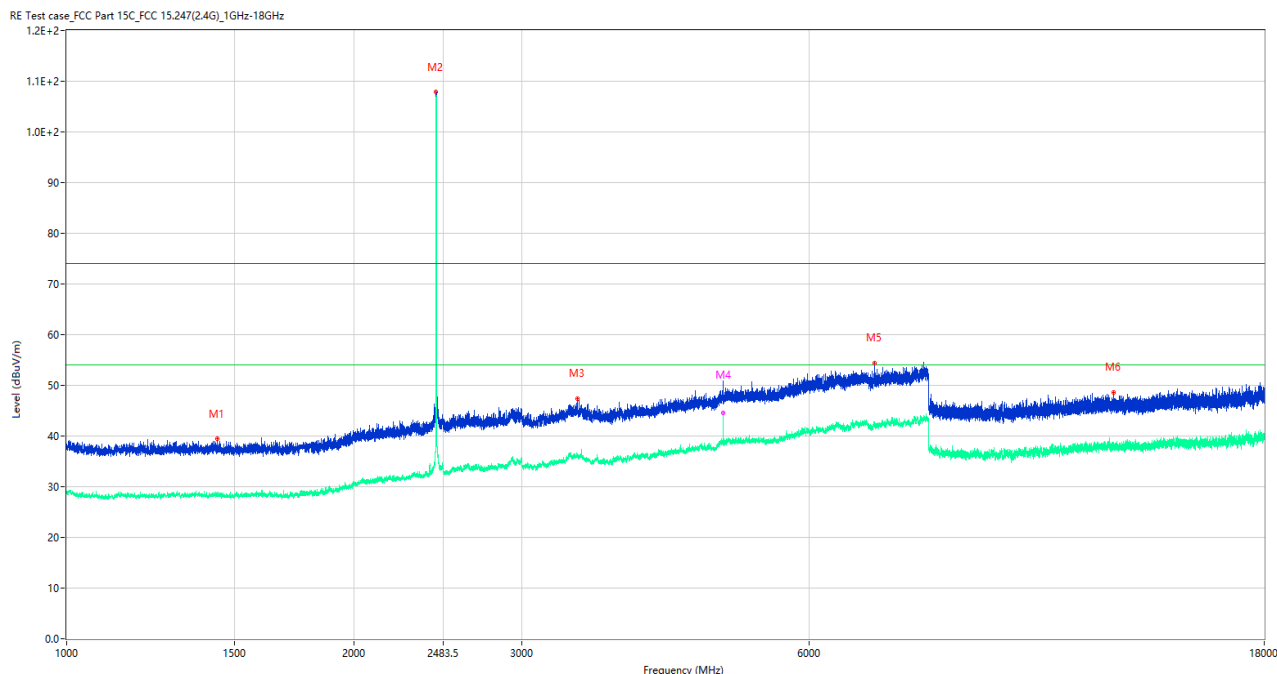
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.672	24.46	-24.50	40.0	15.54	Peak	5.00	100	Vertical	Pass
2	96.785	29.23	-26.40	43.5	14.27	Peak	58.00	100	Vertical	Pass
3	173.318	34.65	-28.33	43.5	8.85	Peak	218.00	200	Vertical	Pass
4	194.560	31.27	-25.64	43.5	12.23	Peak	253.00	200	Vertical	Pass
5	291.851	30.38	-23.19	46.0	15.62	Peak	64.00	100	Vertical	Pass
6	340.448	25.43	-21.90	46.0	20.57	Peak	119.00	100	Vertical	Pass

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

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

Main Antenna

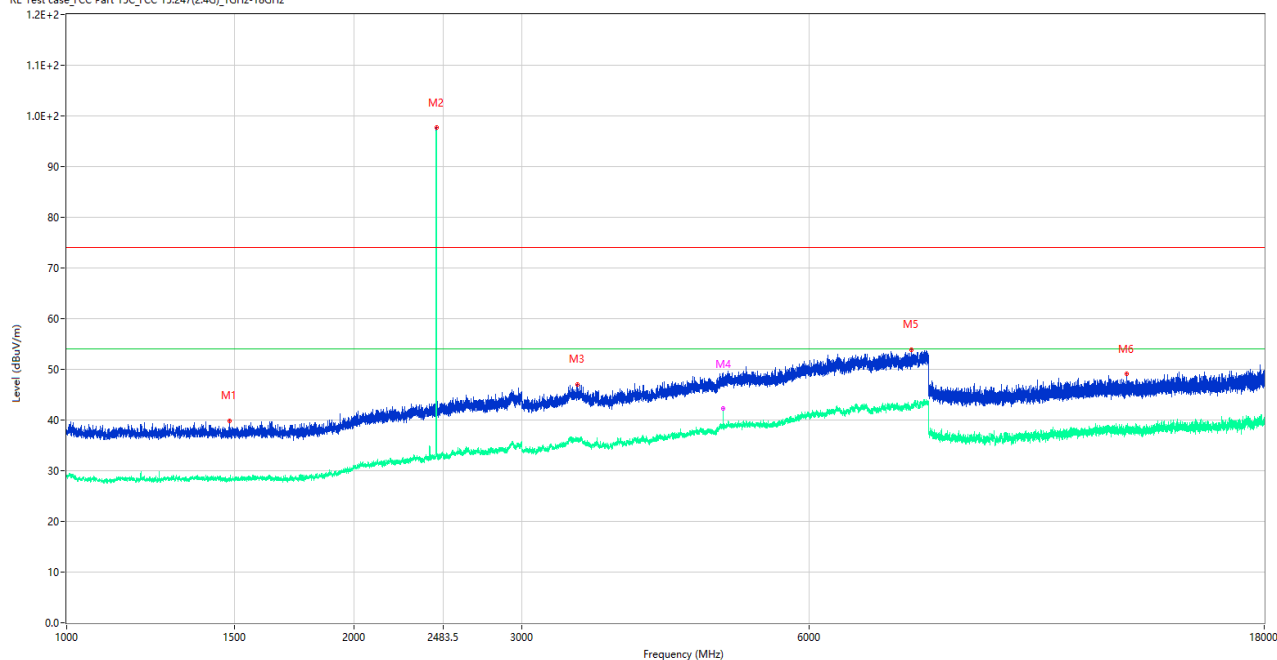
GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.750	39.39	-15.97	74.0	34.61	Peak	275.00	150	Horizontal	Pass
1**	1438.750	28.46	-15.97	54.0	25.54	AV	275.00	150	Horizontal	Pass
2	2439.750	107.86	-12.37	74.0	-33.86	Peak	22.00	150	Horizontal	N/A
2**	2439.750	105.13	-12.37	54.0	-51.13	AV	22.00	150	Horizontal	N/A
3	3427.500	47.43	-4.93	74.0	26.57	Peak	78.00	150	Horizontal	Pass
3**	3427.500	36.45	-4.93	54.0	17.55	AV	78.00	150	Horizontal	Pass
4	4880.500	50.54	-2.29	74.0	23.46	Peak	358.00	150	Horizontal	Pass
4**	4880.500	44.51	-2.29	54.0	9.49	AV	358.00	150	Horizontal	Pass
5	7028.000	54.39	-0.07	74.0	19.61	Peak	359.00	150	Horizontal	Pass
5**	7028.000	41.94	-0.07	54.0	12.06	AV	359.00	150	Horizontal	Pass
6	12508.000	48.61	-2.93	74.0	25.39	Peak	351.00	150	Horizontal	Pass
6**	12508.000	38.18	-2.93	54.0	15.82	AV	351.00	150	Horizontal	Pass

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

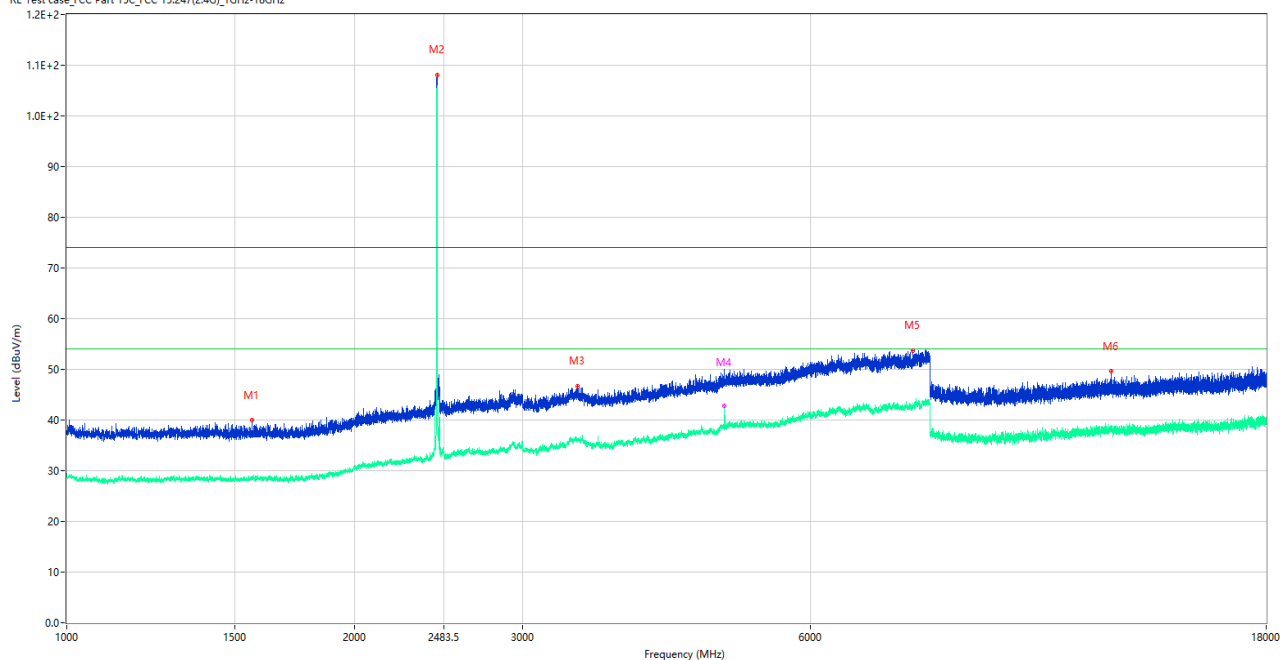
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.250	39.82	-16.32	74.0	34.18	Peak	163.00	150	Vertical	Pass
1**	1481.250	27.89	-16.32	54.0	26.11	AV	163.00	150	Vertical	Pass
2	2440.250	97.66	-12.37	74.0	-23.66	Peak	88.00	150	Vertical	N/A
2**	2440.250	97.16	-12.37	54.0	-43.16	AV	88.00	150	Vertical	N/A
3	3429.500	47.04	-5.02	74.0	26.96	Peak	356.00	150	Vertical	Pass
3**	3429.500	35.92	-5.02	54.0	18.08	AV	356.00	150	Vertical	Pass
4	4880.500	49.38	-2.29	74.0	24.62	Peak	53.00	150	Vertical	Pass
4**	4880.500	42.29	-2.29	54.0	11.71	AV	53.00	150	Vertical	Pass
5	7686.000	53.94	0.96	74.0	20.06	Peak	329.00	150	Vertical	Pass
5**	7686.000	42.76	0.96	54.0	11.24	AV	329.00	150	Vertical	Pass
6	12920.500	49.08	-2.44	74.0	24.92	Peak	359.00	150	Vertical	Pass
6**	12920.500	38.75	-2.44	54.0	15.25	AV	359.00	150	Vertical	Pass

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

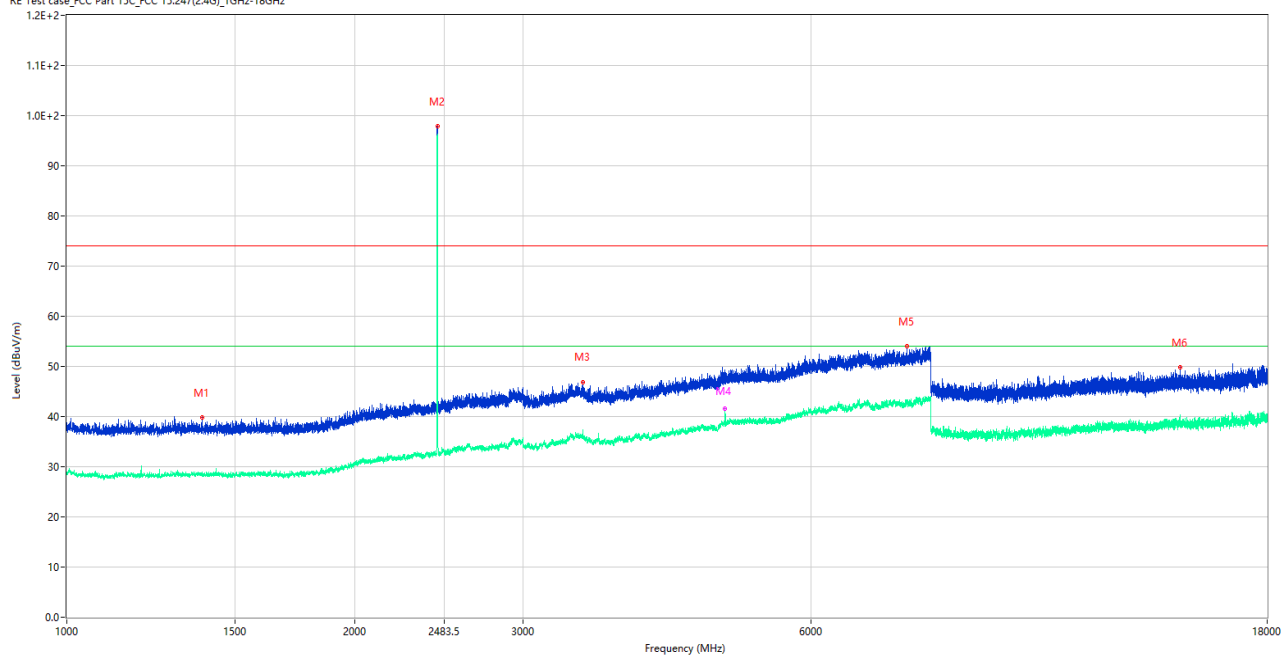
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1564.000	39.99	-16.07	74.0	34.01	Peak	199.00	150	Horizontal	Pass
1**	1564.000	28.30	-16.07	54.0	25.70	AV	199.00	150	Horizontal	Pass
2	2440.500	108.08	-12.38	74.0	-34.08	Peak	23.00	150	Horizontal	N/A
2**	2440.500	105.77	-12.38	54.0	-51.77	AV	23.00	150	Horizontal	N/A
3	3423.500	46.71	-4.92	74.0	27.29	Peak	210.00	150	Horizontal	Pass
3**	3423.500	35.91	-4.92	54.0	18.09	AV	210.00	150	Horizontal	Pass
4	4881.000	49.95	-2.30	74.0	24.05	Peak	52.00	150	Horizontal	Pass
4**	4881.000	42.74	-2.30	54.0	11.26	AV	52.00	150	Horizontal	Pass
5	7679.000	53.73	0.90	74.0	20.27	Peak	22.00	150	Horizontal	Pass
5**	7679.000	42.58	0.90	54.0	11.42	AV	22.00	150	Horizontal	Pass
6	12392.500	49.63	-2.38	74.0	24.37	Peak	96.00	150	Horizontal	Pass
6**	12392.500	38.03	-2.38	54.0	15.97	AV	96.00	150	Horizontal	Pass

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

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz

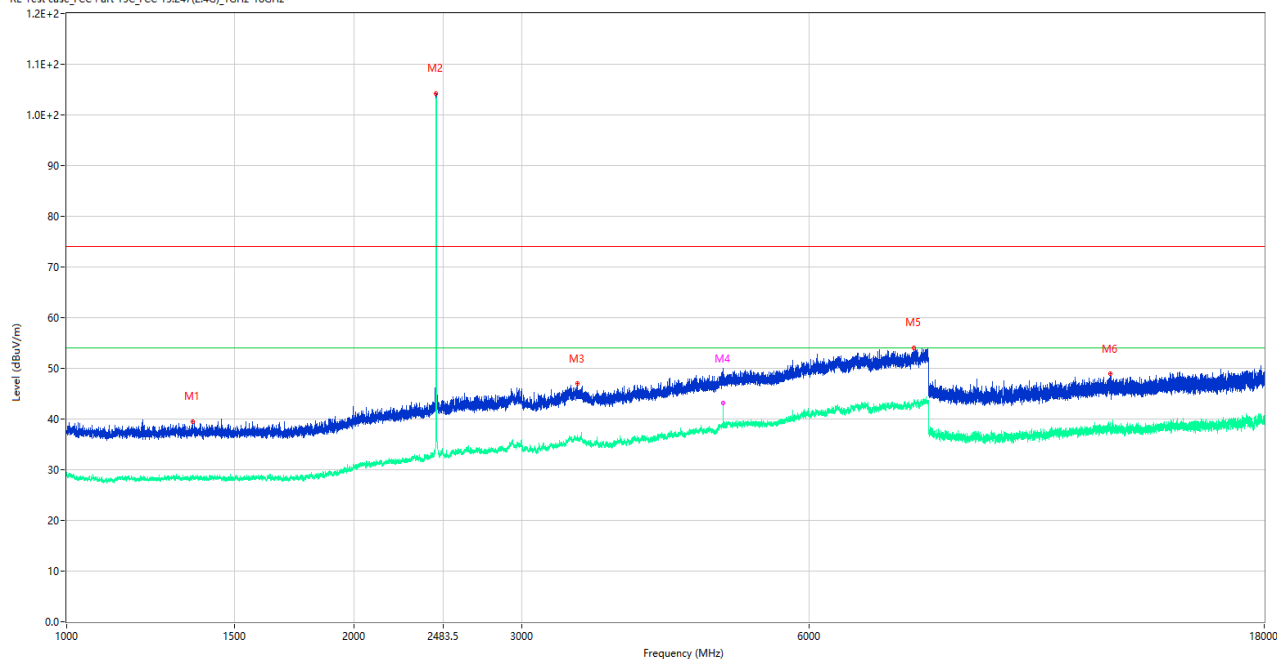


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1384.500	39.74	-15.98	74.0	34.26	Peak	337.00	150	Vertical	Pass
1**	1384.500	28.09	-15.98	54.0	25.91	AV	337.00	150	Vertical	Pass
2	2440.500	97.88	-12.38	74.0	-23.88	Peak	85.00	150	Vertical	N/A
2**	2440.500	95.98	-12.38	54.0	-41.98	AV	85.00	150	Vertical	N/A
3	3464.000	46.87	-5.05	74.0	27.13	Peak	178.00	150	Vertical	Pass
3**	3464.000	35.57	-5.05	54.0	18.43	AV	178.00	150	Vertical	Pass
4	4881.500	47.83	-2.31	74.0	26.17	Peak	0.00	150	Vertical	Pass
4**	4881.500	41.51	-2.31	54.0	12.49	AV	0.00	150	Vertical	Pass
5	7554.000	53.97	0.85	74.0	20.03	Peak	0.00	150	Vertical	Pass
5**	7554.000	42.99	0.85	54.0	11.01	AV	0.00	150	Vertical	Pass
6	14590.000	49.80	-2.23	74.0	24.20	Peak	295.00	150	Vertical	Pass
6**	14590.000	39.75	-2.23	54.0	14.25	AV	295.00	150	Vertical	Pass

Aux. Antenna

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

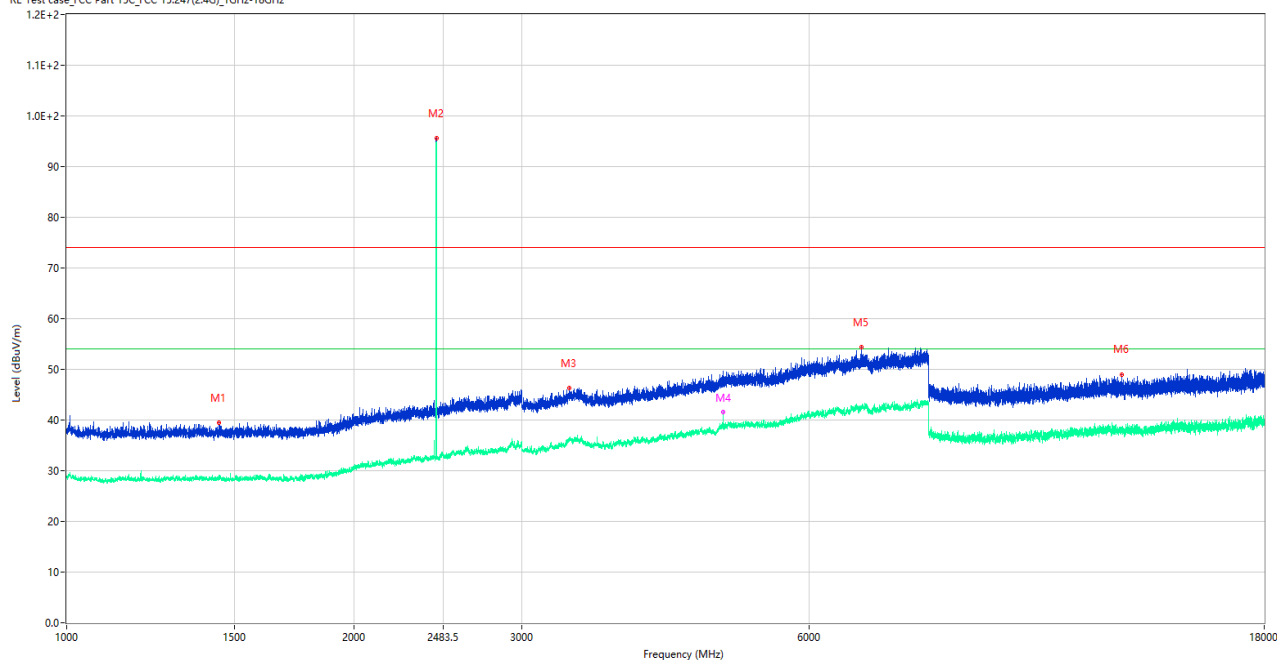
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1355.250	39.52	-15.86	74.0	34.48	Peak	294.00	150	Horizontal	Pass
1**	1355.250	28.48	-15.86	54.0	25.52	AV	294.00	150	Horizontal	Pass
2	2439.750	104.26	-12.37	74.0	-30.26	Peak	162.00	150	Horizontal	N/A
2**	2439.750	101.55	-12.37	54.0	-47.55	AV	162.00	150	Horizontal	N/A
3	3430.500	46.93	-5.02	74.0	27.07	Peak	42.00	150	Horizontal	Pass
3**	3430.500	36.04	-5.02	54.0	17.96	AV	42.00	150	Horizontal	Pass
4	4880.500	49.97	-2.29	74.0	24.03	Peak	290.00	150	Horizontal	Pass
4**	4880.500	43.22	-2.29	54.0	10.78	AV	290.00	150	Horizontal	Pass
5	7734.000	54.10	1.14	74.0	19.90	Peak	71.00	150	Horizontal	Pass
5**	7734.000	43.45	1.14	54.0	10.55	AV	71.00	150	Horizontal	Pass
6	12420.500	48.88	-1.97	74.0	25.12	Peak	213.00	150	Horizontal	Pass
6**	12420.500	37.89	-1.97	54.0	16.11	AV	213.00	150	Horizontal	Pass

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

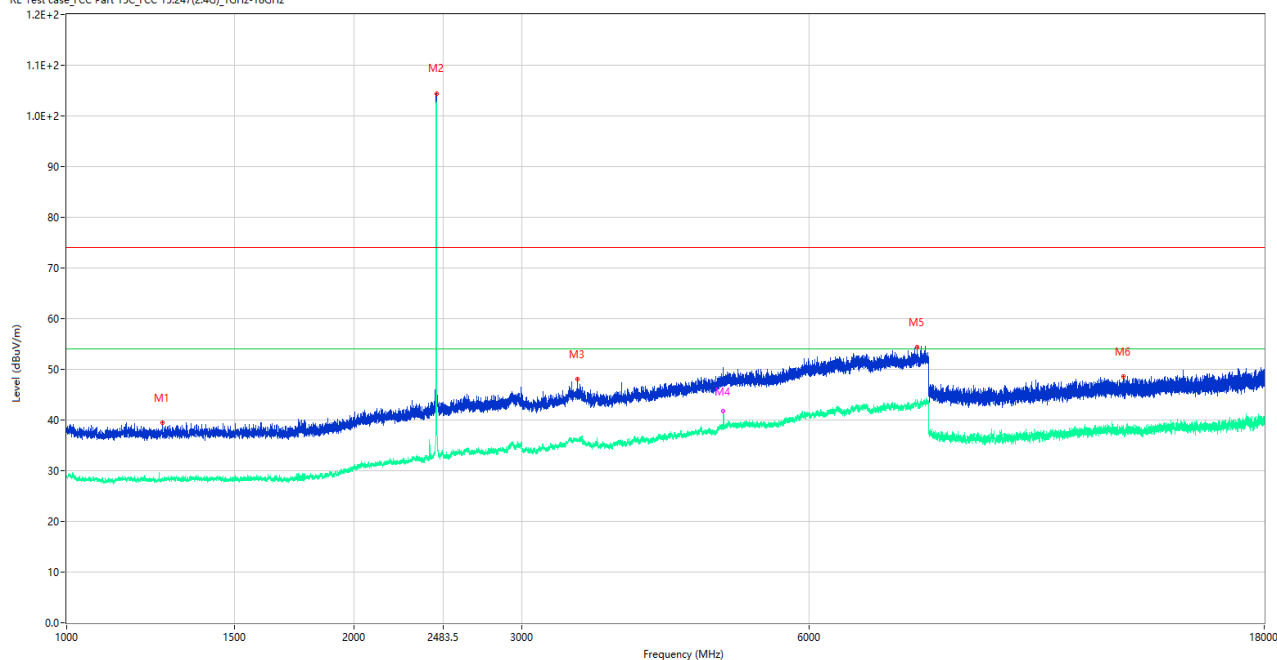
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.250	39.45	-15.92	74.0	34.55	Peak	360.00	150	Vertical	Pass
1**	1445.250	29.01	-15.92	54.0	24.99	AV	360.00	150	Vertical	Pass
2	2440.250	95.57	-12.37	74.0	-21.57	Peak	263.00	150	Vertical	N/A
2**	2440.250	94.90	-12.37	54.0	-40.90	AV	263.00	150	Vertical	N/A
3	3365.000	46.29	-5.19	74.0	27.71	Peak	39.00	150	Vertical	Pass
3**	3365.000	36.16	-5.19	54.0	17.84	AV	39.00	150	Vertical	Pass
4	4881.000	47.90	-2.30	74.0	26.10	Peak	307.00	150	Vertical	Pass
4**	4881.000	41.53	-2.30	54.0	12.47	AV	307.00	150	Vertical	Pass
5	6805.000	54.33	0.41	74.0	19.67	Peak	246.00	150	Vertical	Pass
5**	6805.000	42.63	0.41	54.0	11.37	AV	246.00	150	Vertical	Pass
6	12766.000	48.96	-3.22	74.0	25.04	Peak	320.00	150	Vertical	Pass
6**	12766.000	38.11	-3.22	54.0	15.89	AV	320.00	150	Vertical	Pass

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

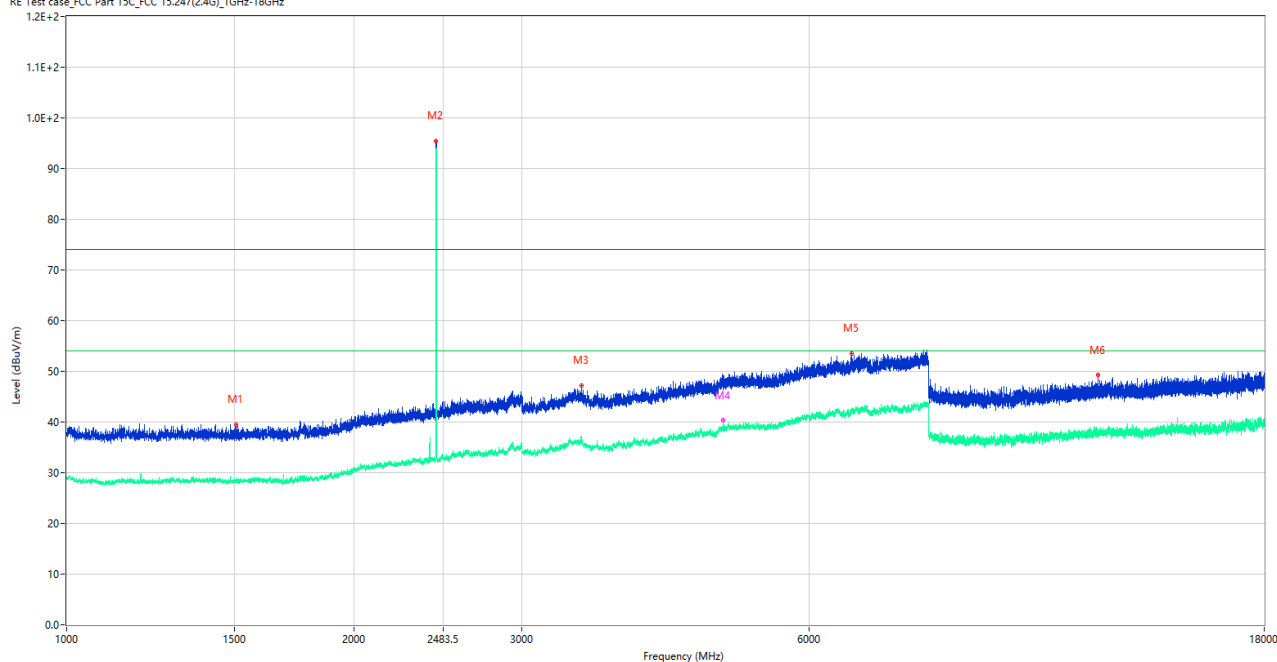
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1260.250	39.40	-16.02	74.0	34.60	Peak	360.00	150	Horizontal	Pass
1**	1260.250	28.27	-16.02	54.0	25.73	AV	360.00	150	Horizontal	Pass
2	2440.500	104.46	-12.38	74.0	-30.46	Peak	163.00	150	Horizontal	N/A
2**	2440.500	102.52	-12.38	54.0	-48.52	AV	163.00	150	Horizontal	N/A
3	3430.000	48.02	-5.02	74.0	25.98	Peak	50.00	150	Horizontal	Pass
3**	3430.000	35.83	-5.02	54.0	18.17	AV	50.00	150	Horizontal	Pass
4	4881.500	49.05	-2.31	74.0	24.95	Peak	328.00	150	Horizontal	Pass
4**	4881.500	41.70	-2.31	54.0	12.30	AV	328.00	150	Horizontal	Pass
5	7795.000	54.30	1.67	74.0	19.70	Peak	278.00	150	Horizontal	Pass
5**	7795.000	43.33	1.67	54.0	10.67	AV	278.00	150	Horizontal	Pass
6	12817.000	48.53	-3.48	74.0	25.47	Peak	206.00	150	Horizontal	Pass
6**	12817.000	37.64	-3.48	54.0	16.36	AV	206.00	150	Horizontal	Pass

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

RE Test case_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	1505.000	39.54	-16.02	74.0	34.46	Peak	81.00	150	Vertical	Pass
1**	1505.000	28.37	-16.02	54.0	25.63	AV	81.00	150	Vertical	Pass
2	2439.500	95.47	-12.37	74.0	-21.47	Peak	262.00	150	Vertical	N/A
2**	2439.500	90.58	-12.37	54.0	-36.58	AV	262.00	150	Vertical	N/A
3	3464.500	47.20	-5.08	74.0	26.80	Peak	231.00	150	Vertical	Pass
3**	3464.500	36.30	-5.08	54.0	17.70	AV	231.00	150	Vertical	Pass
4	4881.000	48.60	-2.30	74.0	25.40	Peak	360.00	150	Vertical	Pass
4**	4881.000	40.33	-2.30	54.0	13.67	AV	360.00	150	Vertical	Pass
5	6652.000	53.59	0.19	74.0	20.41	Peak	309.00	150	Vertical	Pass
5**	6652.000	42.28	0.19	54.0	11.72	AV	309.00	150	Vertical	Pass
6	12060.500	49.26	-3.06	74.0	24.74	Peak	212.00	150	Vertical	Pass
6**	12060.500	38.07	-3.06	54.0	15.93	AV	212.00	150	Vertical	Pass

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

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

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

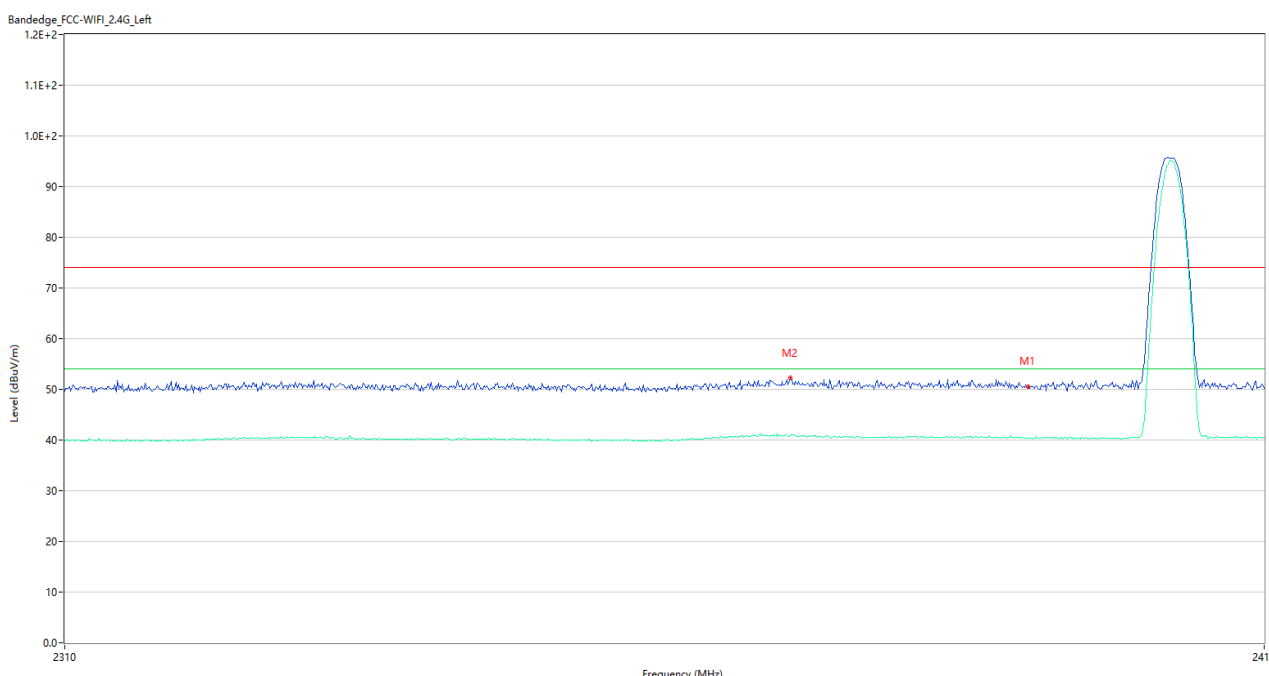
Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

Test Data and Plots

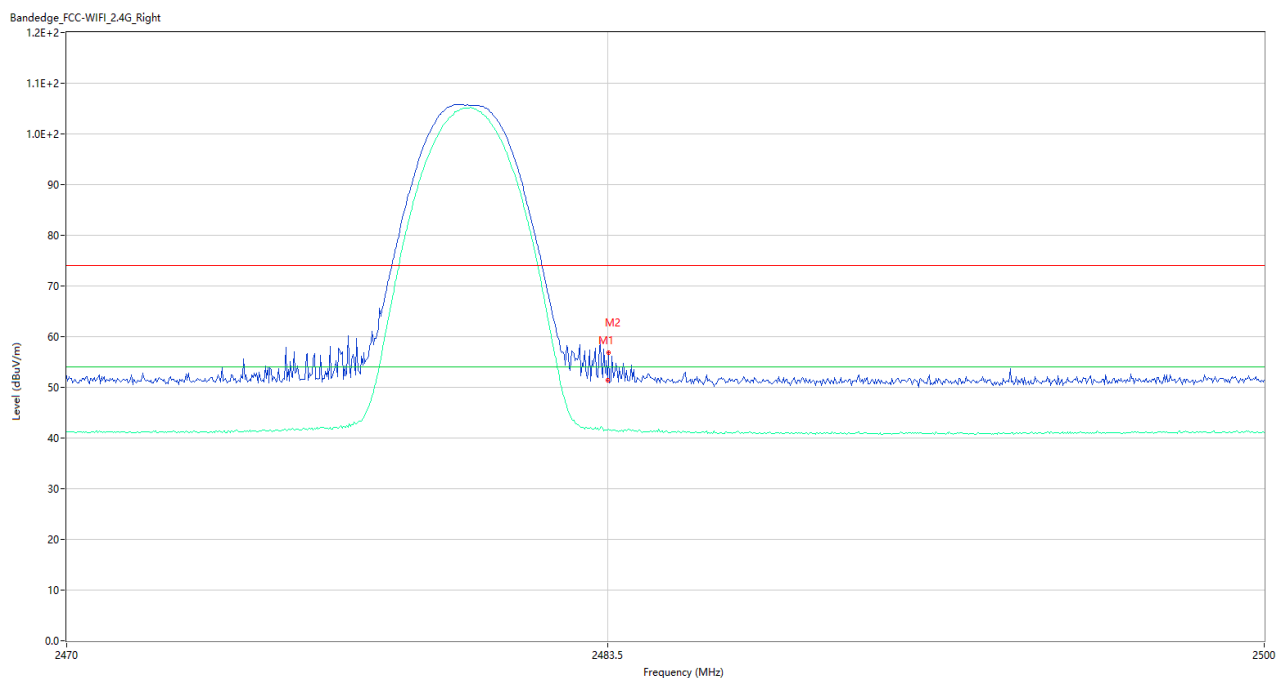
Main Antenna

GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.59	-4.87	74.0	23.41	Peak	82.93	150	Vertical	Pass
1**	2390.000	40.38	-4.87	54.0	13.62	AV	82.93	150	Vertical	Pass
2	2370.000	52.24	-4.00	74.0	21.76	Peak	3.00	150	Vertical	Pass
2**	2370.000	40.93	-4.00	54.0	13.07	AV	3.00	150	Vertical	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



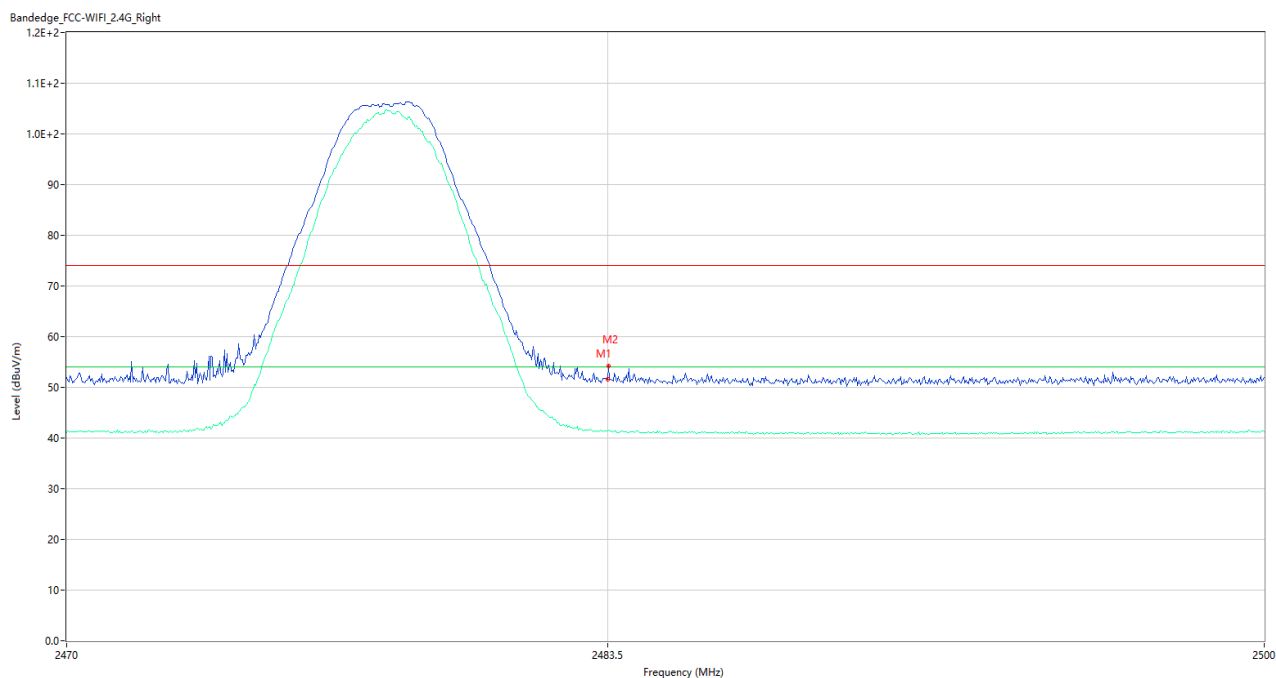
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.32	-3.78	74.0	22.68	Peak	28.00	150	Horizontal	Pass
1**	2483.500	41.55	-3.78	54.0	12.45	AV	28.00	150	Horizontal	Pass
2	2483.530	56.80	-3.78	74.0	17.20	Peak	206.00	150	Horizontal	Pass
2**	2483.530	41.75	-3.78	54.0	12.25	AV	206.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.11	-4.87	74.0	22.89	Peak	308.04	150	Horizontal	Pass
1**	2390.000	40.46	-4.87	54.0	13.54	AV	308.04	150	Horizontal	Pass
2	2384.900	52.14	-4.58	74.0	21.86	Peak	52.00	150	Horizontal	Pass
2**	2384.900	40.54	-4.58	54.0	13.46	AV	52.00	150	Horizontal	Pass

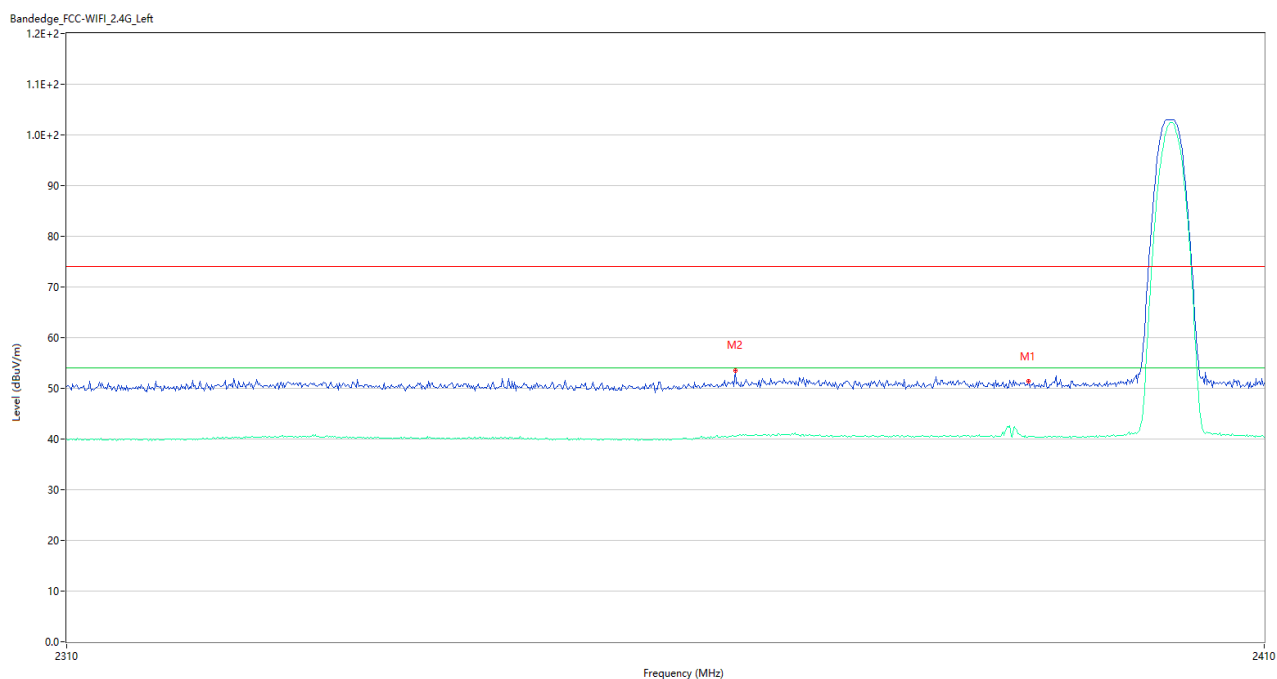
GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.49	-3.78	74.0	22.51	Peak	339.00	150	Horizontal	Pass
1**	2483.500	41.42	-3.78	54.0	12.58	AV	339.00	150	Horizontal	Pass
2	2483.530	54.18	-3.78	74.0	19.82	Peak	198.00	150	Horizontal	Pass
2**	2483.530	41.59	-3.78	54.0	12.41	AV	198.00	150	Horizontal	Pass

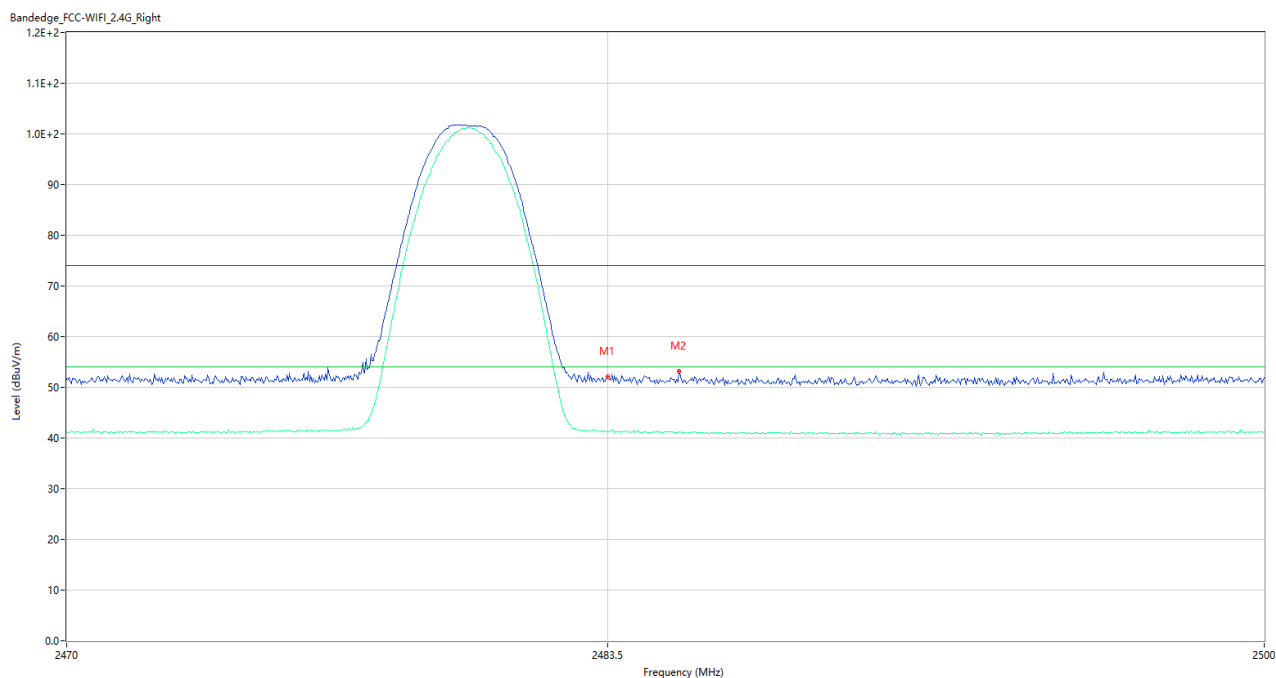
Aux. Antenna

GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.35	-4.87	74.0	22.65	Peak	165.83	150	Horizontal	Pass
1**	2390.000	40.44	-4.87	54.0	13.56	AV	165.83	150	Horizontal	Pass
2	2365.300	53.49	-4.51	74.0	20.51	Peak	102.00	150	Horizontal	Pass
2**	2365.300	40.51	-4.51	54.0	13.49	AV	102.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



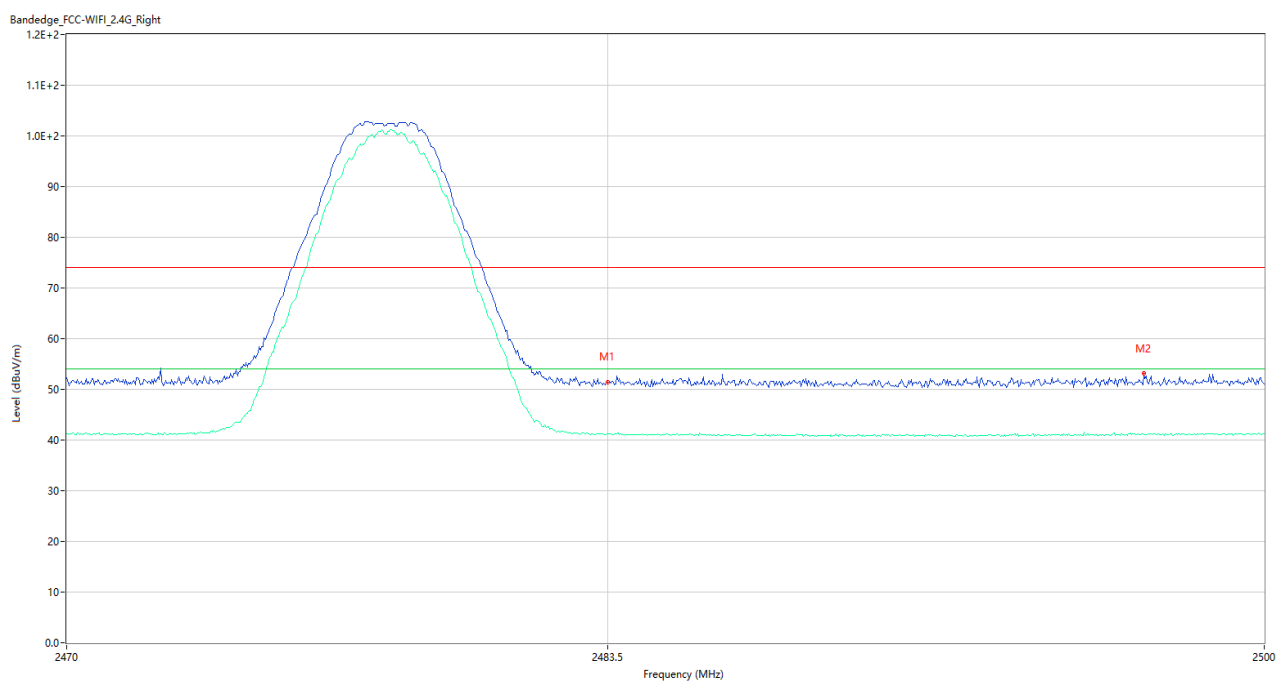
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.12	-3.78	74.0	21.88	Peak	360.00	150	Horizontal	Pass
1**	2483.500	41.21	-3.78	54.0	12.79	AV	360.00	150	Horizontal	Pass
2	2485.300	53.08	-3.78	74.0	20.92	Peak	266.00	150	Horizontal	Pass
2**	2485.300	41.21	-3.78	54.0	12.79	AV	266.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.91	-4.87	74.0	23.09	Peak	346.75	150	Horizontal	Pass
1**	2390.000	40.29	-4.87	54.0	13.71	AV	346.75	150	Horizontal	Pass
2	2369.800	52.51	-4.02	74.0	21.49	Peak	31.00	150	Horizontal	Pass
2**	2369.800	40.81	-4.02	54.0	13.19	AV	31.00	150	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.43	-3.78	74.0	22.57	Peak	32.00	150	Horizontal	Pass
1**	2483.500	41.29	-3.78	54.0	12.71	AV	32.00	150	Horizontal	Pass
2	2496.970	53.08	-3.95	74.0	20.92	Peak	124.00	150	Horizontal	Pass
2**	2496.970	41.07	-3.95	54.0	12.93	AV	124.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-2.67	8	Pass
Middle	-1.00	8	Pass
High	-1.68	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-4.77	8	Pass
Middle	-3.12	8	Pass
High	-2.59	8	Pass

Aux. Antenna

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-3.70	8	Pass
Middle	-3.65	8	Pass
High	-3.53	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-6.61	8	Pass
Middle	-6.71	8	Pass
High	-6.03	8	Pass

Test Plots

Main Antenna

GFSK (BLE 1Mbps) LOW CHANNEL



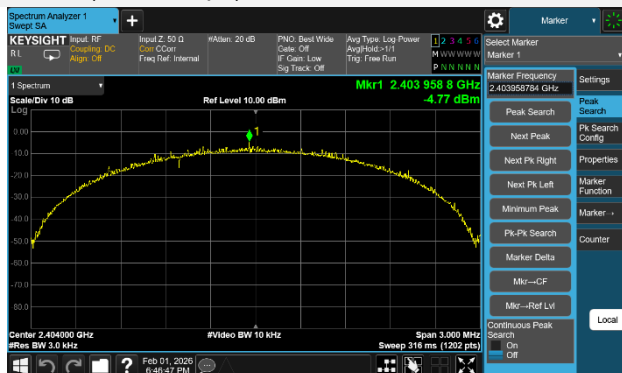
GFSK (BLE 1Mbps) MIDDLE CHANNEL



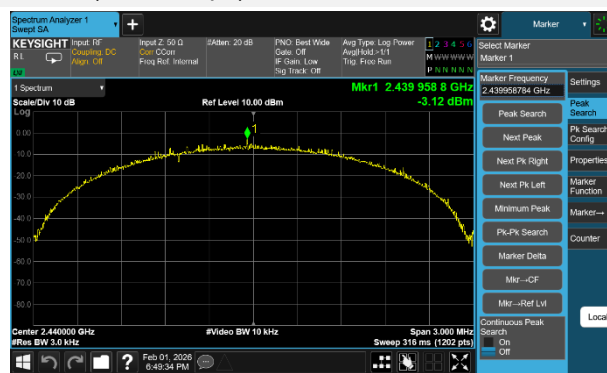
GFSK (BLE 1Mbps) HIGH CHANNEL



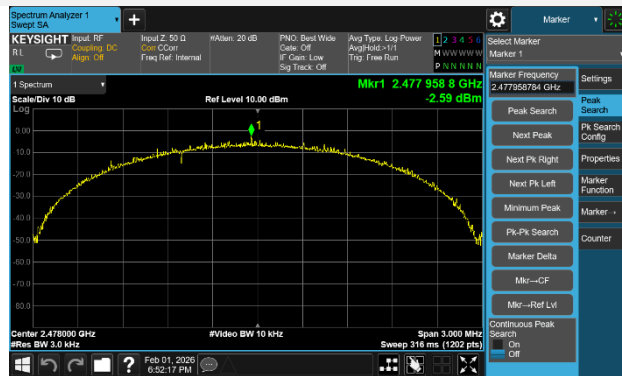
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL

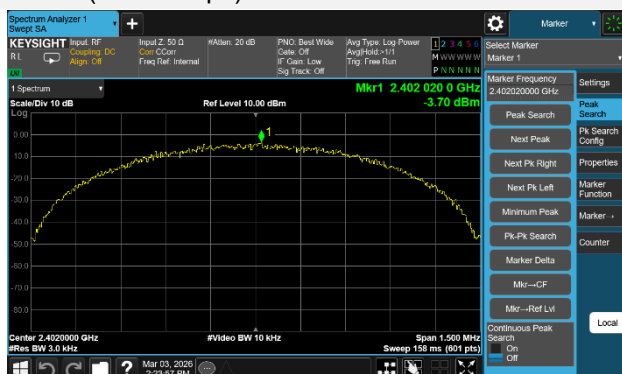


GFSK (BLE 2Mbps) HIGH CHANNEL



Aux. Antenna

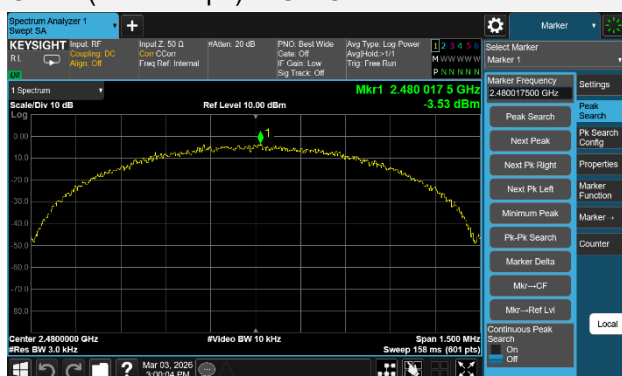
GFSK (BLE 1Mbps) LOW CHANNEL



GFSK (BLE 1Mbps) MIDDLE CHANNEL



GFSK (BLE 1Mbps) HIGH CHANNEL



GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26010282-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26010282-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26010282-AI.PDF”.

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--END OF REPORT--