

## A.6 Radiated Spurious Emission

Note <sup>1</sup>: The symbol of "--" in the table which means not application.

Note <sup>2</sup>: For the test data above 1 GHz, according the ANSI C63.4-2014, 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.

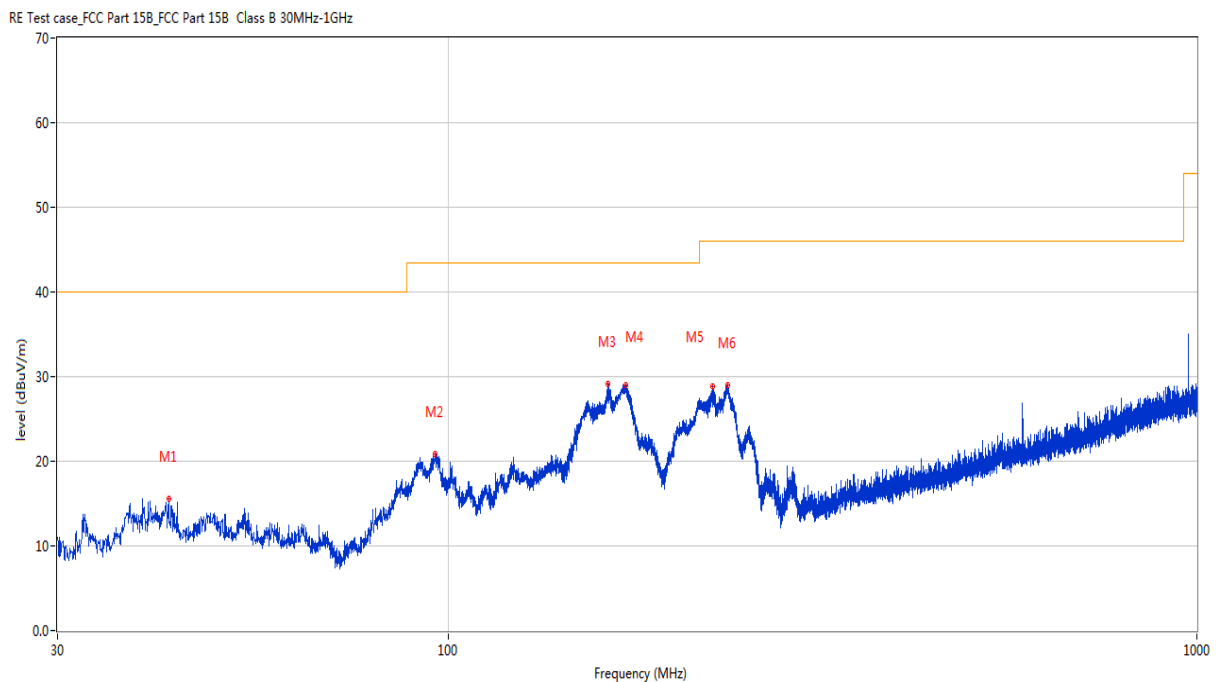
Note <sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

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

### Test Data and Plots

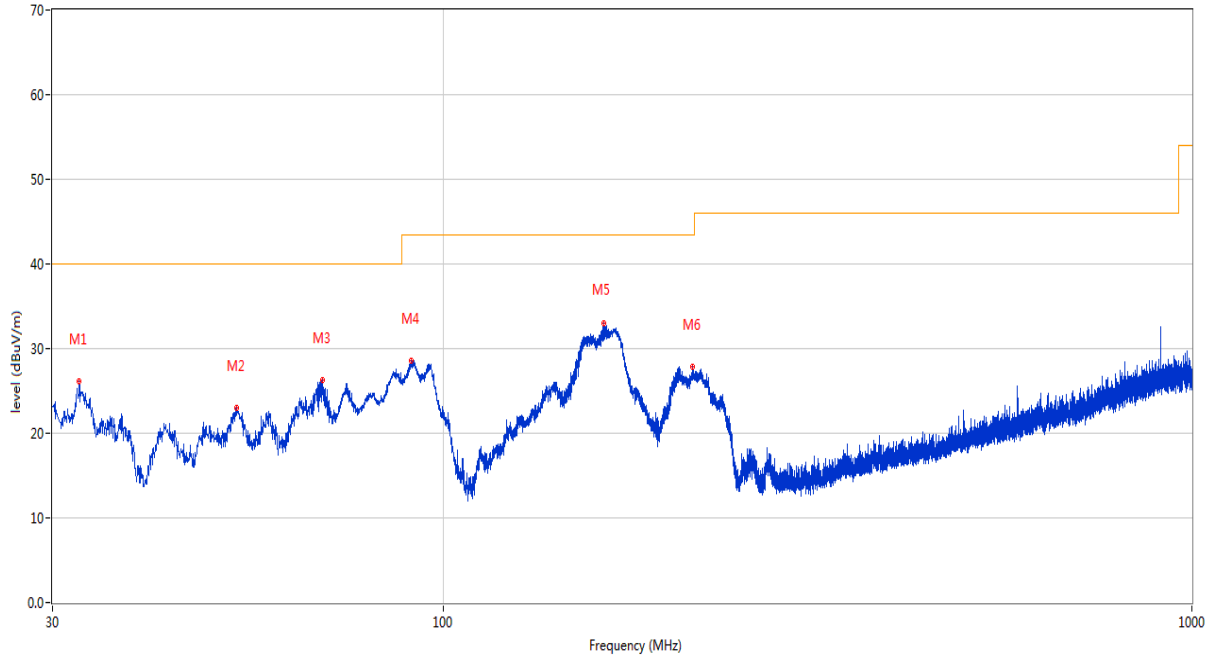
#### 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.222	15.60	-23.44	40.0	-24.40	Peak	360.00	200	Horizontal	Pass
2	95.911	20.80	-24.73	43.5	-22.70	Peak	50.90	200	Horizontal	Pass
3	163.423	29.09	-26.90	43.5	-14.41	Peak	286.00	200	Horizontal	Pass
4	172.493	28.93	-26.37	43.5	-14.57	Peak	290.40	200	Horizontal	Pass
5	225.261	28.79	-23.74	46.0	-17.21	Peak	293.60	100	Horizontal	Pass
6	236.028	28.96	-22.97	46.0	-17.04	Peak	280.90	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



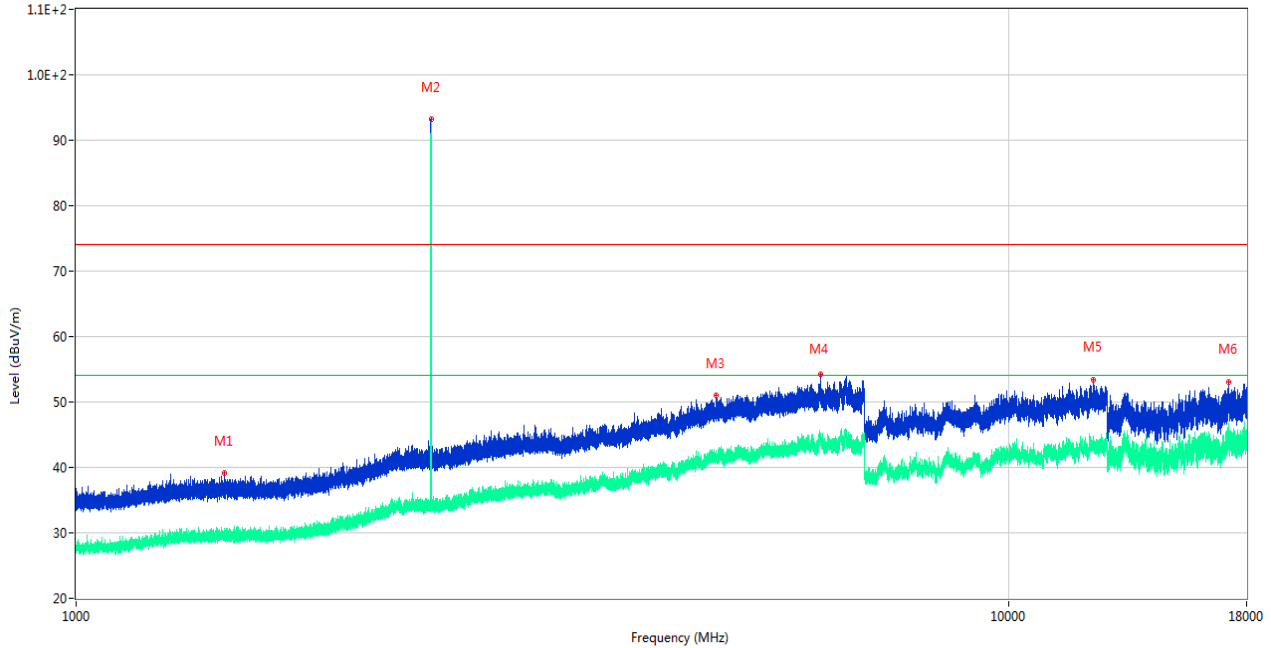
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.571	26.12	-26.53	40.0	-13.88	Peak	79.20	100	Vertical	Pass
2	52.795	22.96	-23.04	40.0	-17.04	Peak	205.10	100	Vertical	Pass
3	68.849	26.33	-26.40	40.0	-13.67	Peak	255.70	100	Vertical	Pass
4	90.479	28.52	-26.00	43.5	-14.98	Peak	264.10	100	Vertical	Pass
5	163.811	32.95	-26.85	43.5	-10.55	Peak	79.20	100	Vertical	Pass
6	214.979	27.82	-23.75	43.5	-15.68	Peak	353.30	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.

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

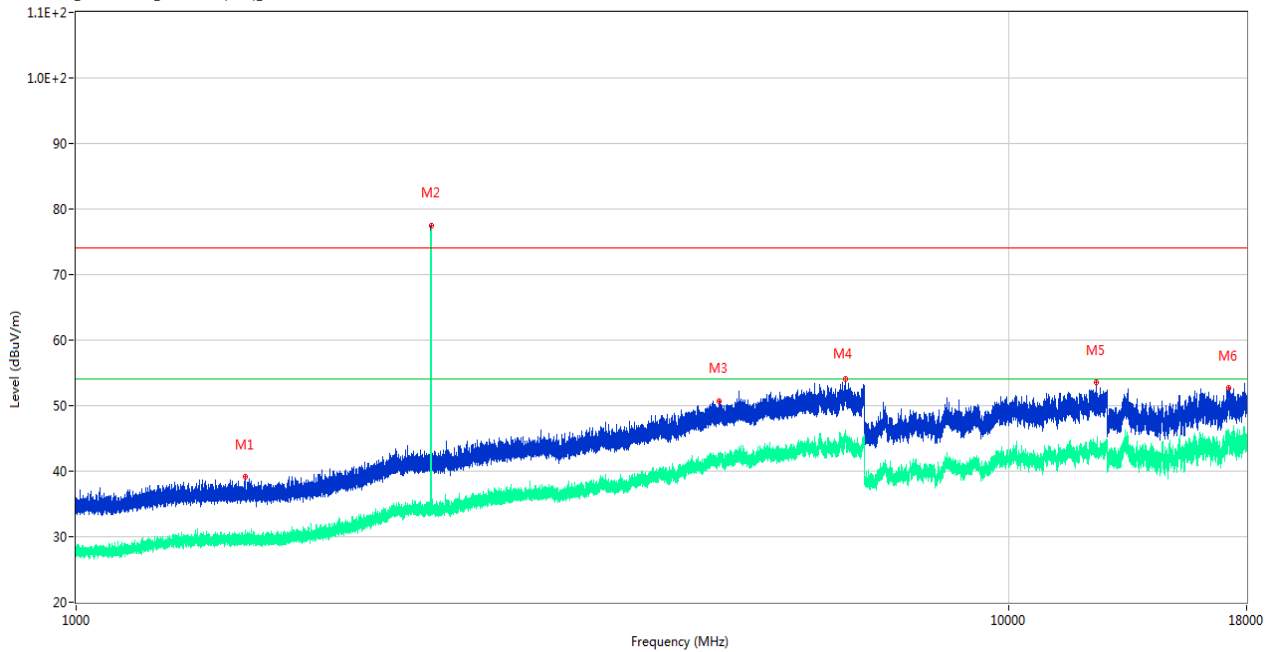
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.900	39.12	-17.44	74.0	-34.88	Peak	141.00	100	Horizontal	Pass
1**	1441.900	30.18	-17.44	54.0	-23.82	AV	141.00	100	Horizontal	Pass
2	2402.200	93.14	-12.26	74.0	19.14	Peak	134.00	200	Horizontal	N/A
2**	2402.200	92.67	-12.26	54.0	38.67	AV	134.00	200	Horizontal	N/A
3	4853.400	51.02	-3.18	74.0	-22.98	Peak	165.00	150	Horizontal	Pass
3**	4853.400	41.26	-3.18	54.0	-12.74	AV	165.00	150	Horizontal	Pass
4	6282.200	54.18	-0.23	74.0	-19.82	Peak	146.00	300	Horizontal	Pass
4**	6282.200	44.01	-0.23	54.0	-9.99	AV	146.00	300	Horizontal	Pass
5	12340.888	53.47	1.29	74.0	-20.53	Peak	161.00	300	Horizontal	Pass
5**	12340.888	43.12	1.29	54.0	-10.88	AV	161.00	300	Horizontal	Pass
6	17207.775	53.07	1.56	74.0	-20.93	Peak	0.00	400	Horizontal	Pass
6**	17207.775	43.90	1.56	54.0	-10.10	AV	0.00	400	Horizontal	Pass

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

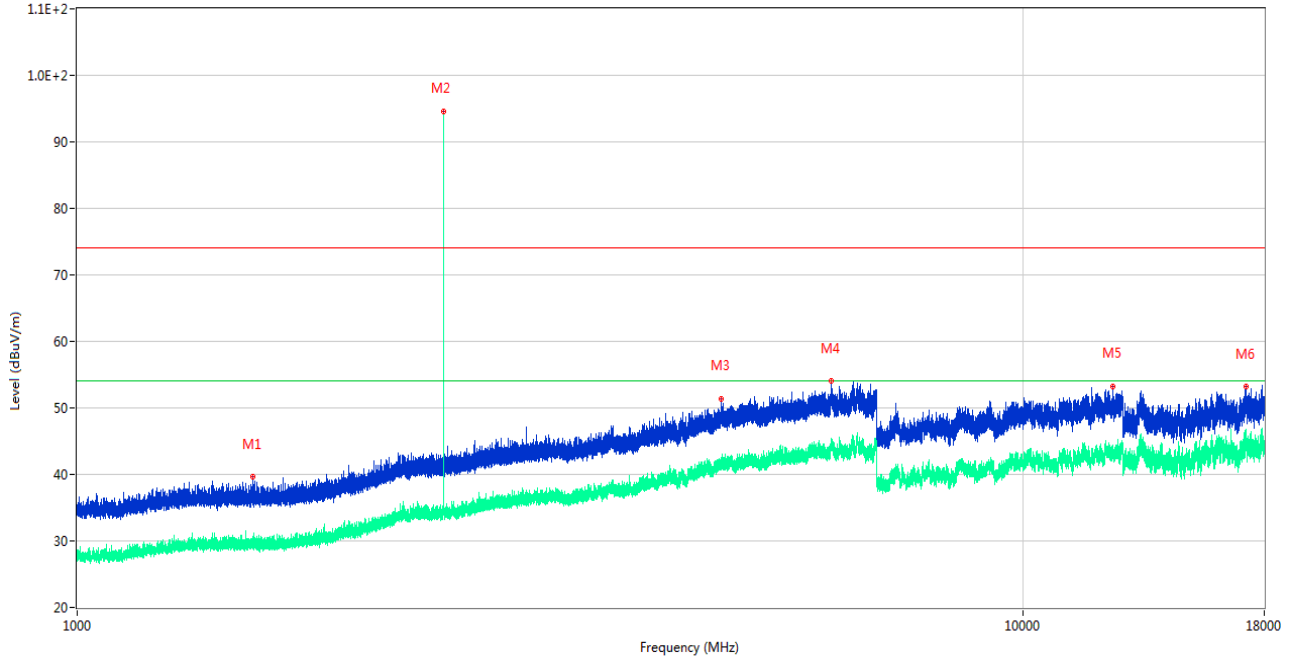
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.100	39.14	-17.68	74.0	-34.86	Peak	0.00	400	Vertical	Pass
1**	1520.100	29.33	-17.68	54.0	-24.67	AV	0.00	400	Vertical	Pass
2	2402.200	77.51	-12.26	74.0	3.51	Peak	188.00	100	Vertical	N/A
2**	2402.200	76.93	-12.26	54.0	22.93	AV	188.00	100	Vertical	N/A
3	4897.400	50.73	-2.94	74.0	-23.27	Peak	337.00	100	Vertical	Pass
3**	4897.400	41.24	-2.94	54.0	-12.76	AV	337.00	100	Vertical	Pass
4	6686.600	54.02	-0.21	74.0	-19.98	Peak	71.00	400	Vertical	Pass
4**	6686.600	44.88	-0.21	54.0	-9.12	AV	71.00	400	Vertical	Pass
5	12426.563	53.50	1.47	74.0	-20.50	Peak	143.00	300	Vertical	Pass
5**	12426.563	42.99	1.47	54.0	-11.01	AV	143.00	300	Vertical	Pass
6	17208.302	52.70	1.54	74.0	-21.30	Peak	239.00	300	Vertical	Pass
6**	17208.302	46.17	1.54	54.0	-7.83	AV	239.00	300	Vertical	Pass

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

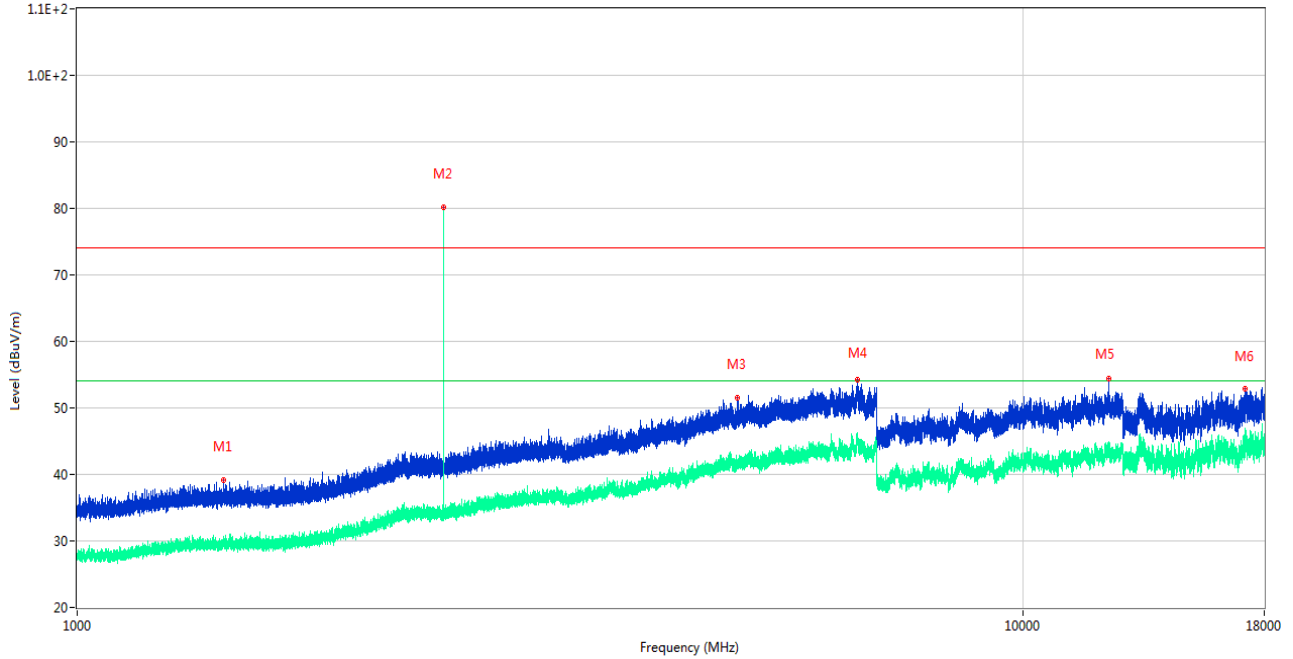
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.400	39.61	-17.54	74.0	-34.39	Peak	0.00	300	Horizontal	Pass
1**	1533.400	28.76	-17.54	54.0	-25.24	AV	0.00	300	Horizontal	Pass
2	2439.800	94.63	-12.66	74.0	20.63	Peak	132.00	200	Horizontal	N/A
2**	2439.800	93.68	-12.66	54.0	39.68	AV	132.00	200	Horizontal	N/A
3	4794.400	51.40	-2.59	74.0	-22.60	Peak	217.00	200	Horizontal	Pass
3**	4794.400	40.96	-2.59	54.0	-13.04	AV	217.00	200	Horizontal	Pass
4	6276.200	54.04	-0.24	74.0	-19.96	Peak	329.00	400	Horizontal	Pass
4**	6276.200	44.36	-0.24	54.0	-9.64	AV	329.00	400	Horizontal	Pass
5	12437.488	53.29	1.74	74.0	-20.71	Peak	165.00	100	Horizontal	Pass
5**	12437.488	43.34	1.74	54.0	-10.66	AV	165.00	100	Horizontal	Pass
6	17203.837	53.19	1.70	74.0	-20.81	Peak	329.00	100	Horizontal	Pass
6**	17203.837	44.81	1.70	54.0	-9.19	AV	329.00	100	Horizontal	Pass

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

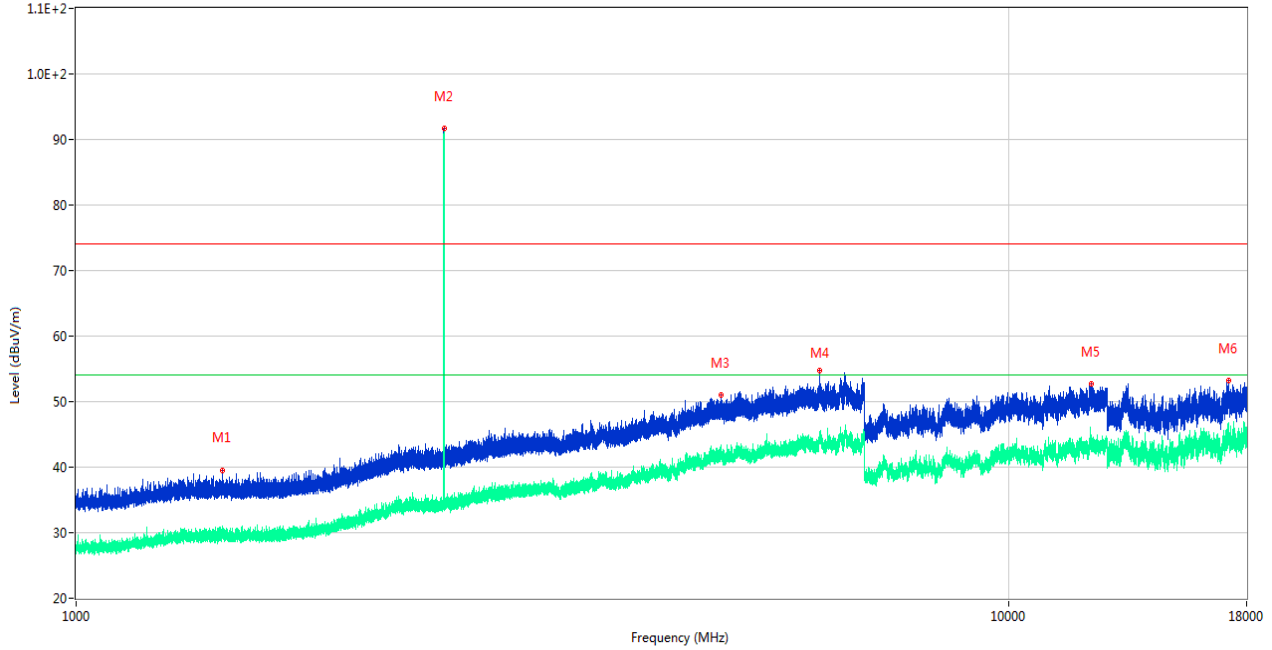
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1429.200	39.20	-17.34	74.0	-34.80	Peak	157.00	400	Vertical	Pass
1**	1429.200	30.36	-17.34	54.0	-23.64	AV	157.00	400	Vertical	Pass
2	2439.800	80.18	-12.66	74.0	6.18	Peak	118.00	100	Vertical	N/A
2**	2439.800	79.61	-12.66	54.0	25.61	AV	118.00	100	Vertical	N/A
3	4992.200	51.55	-2.94	74.0	-22.45	Peak	127.00	200	Vertical	Pass
3**	4992.200	41.89	-2.94	54.0	-12.11	AV	127.00	200	Vertical	Pass
4	6680.600	54.16	-0.53	74.0	-19.84	Peak	360.00	100	Vertical	Pass
4**	6680.600	45.00	-0.53	54.0	-9.00	AV	360.00	100	Vertical	Pass
5	12331.688	54.39	1.39	74.0	-19.61	Peak	0.00	400	Vertical	Pass
5**	12331.688	44.80	1.39	54.0	-9.20	AV	0.00	400	Vertical	Pass
6	17194.912	52.86	2.19	74.0	-21.14	Peak	139.00	100	Vertical	Pass
6**	17194.912	45.12	2.19	54.0	-8.88	AV	139.00	100	Vertical	Pass

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

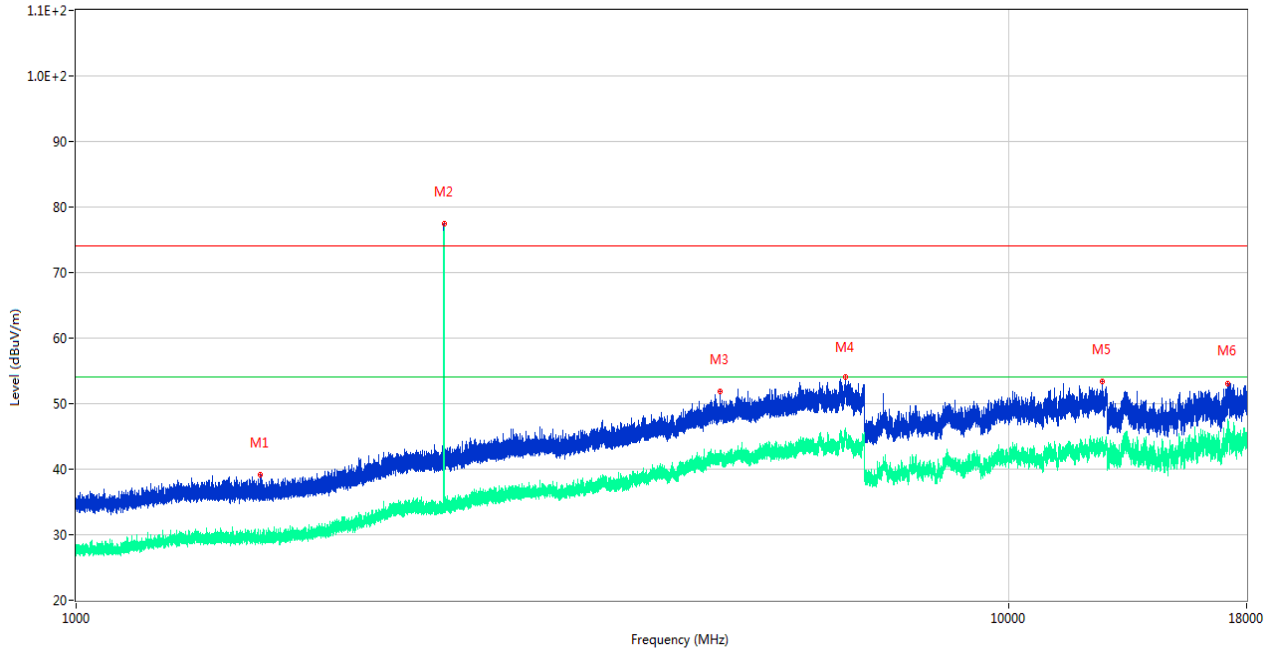
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1434.000	39.55	-17.37	74.0	-34.45	Peak	225.00	100	Horizontal	Pass
1**	1434.000	29.16	-17.37	54.0	-24.84	AV	225.00	100	Horizontal	Pass
2	2479.900	91.68	-12.43	74.0	17.68	Peak	148.00	200	Horizontal	N/A
2**	2479.900	91.15	-12.43	54.0	37.15	AV	148.00	200	Horizontal	N/A
3	4911.800	50.99	-2.37	74.0	-23.01	Peak	306.00	200	Horizontal	Pass
3**	4911.800	42.05	-2.37	54.0	-11.95	AV	306.00	200	Horizontal	Pass
4	6265.800	54.73	-0.65	74.0	-19.27	Peak	272.00	200	Horizontal	Pass
4**	6265.800	44.20	-0.65	54.0	-9.80	AV	272.00	200	Horizontal	Pass
5	12280.225	52.69	1.80	74.0	-21.31	Peak	239.00	400	Horizontal	Pass
5**	12280.225	42.78	1.80	54.0	-11.22	AV	239.00	400	Horizontal	Pass
6	17207.775	53.19	1.56	74.0	-20.81	Peak	128.00	300	Horizontal	Pass
6**	17207.775	44.60	1.56	54.0	-9.40	AV	128.00	300	Horizontal	Pass

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

RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz

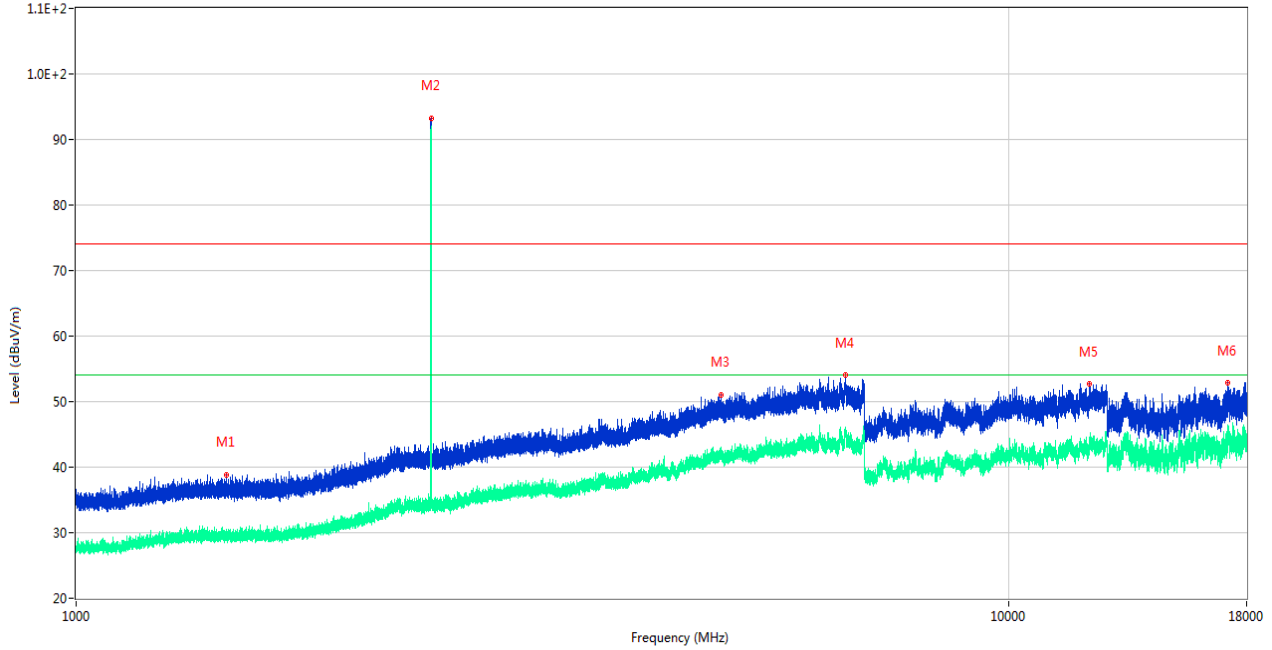


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.100	39.15	-17.55	74.0	-34.85	Peak	228.00	400	Vertical	Pass
1**	1575.100	29.52	-17.55	54.0	-24.48	AV	228.00	400	Vertical	Pass
2	2480.000	77.39	-12.43	74.0	3.39	Peak	12.00	100	Vertical	N/A
2**	2480.000	76.98	-12.43	54.0	22.98	AV	12.00	100	Vertical	N/A
3	4902.600	51.80	-2.68	74.0	-22.20	Peak	296.00	200	Vertical	Pass
3**	4902.600	42.39	-2.68	54.0	-11.61	AV	296.00	200	Vertical	Pass
4	6679.400	54.07	-0.54	74.0	-19.93	Peak	83.00	400	Vertical	Pass
4**	6679.400	44.99	-0.54	54.0	-9.01	AV	83.00	400	Vertical	Pass
5	12594.750	53.33	1.77	74.0	-20.67	Peak	20.00	300	Vertical	Pass
5**	12594.750	43.93	1.77	54.0	-10.07	AV	20.00	300	Vertical	Pass
6	17187.037	53.12	2.45	74.0	-20.88	Peak	145.00	200	Vertical	Pass
6**	17187.037	45.72	2.45	54.0	-8.28	AV	145.00	200	Vertical	Pass



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

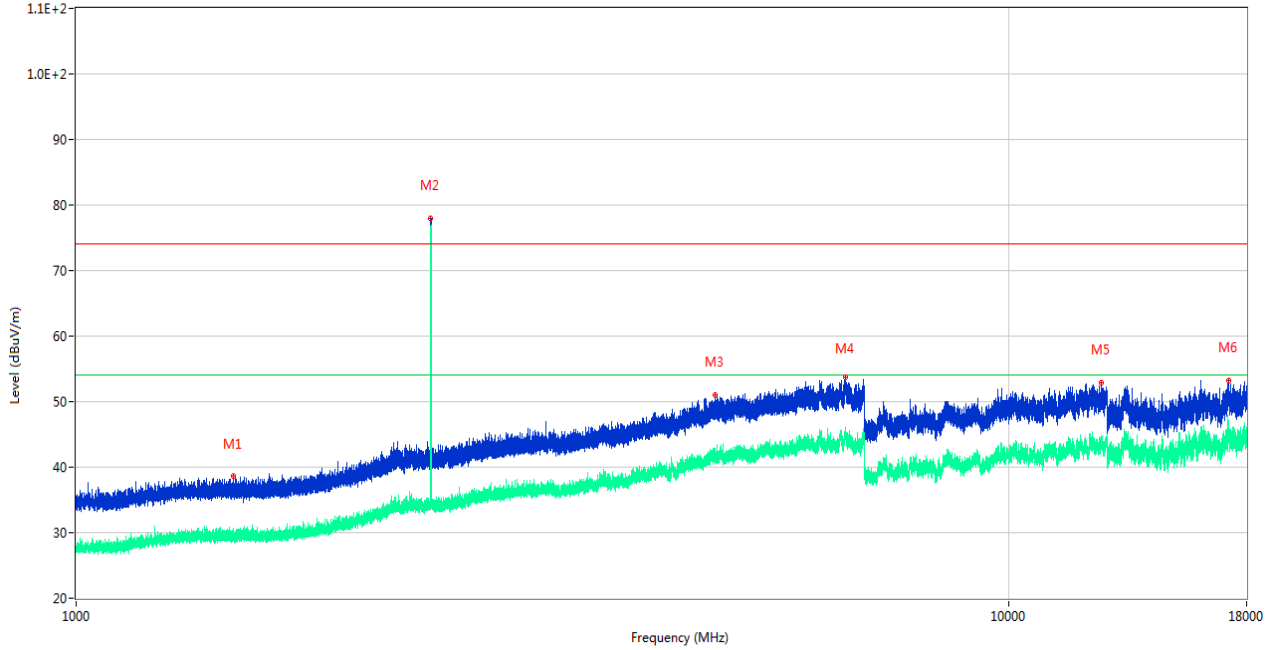
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.900	38.89	-17.49	74.0	-35.11	Peak	230.00	200	Horizontal	Pass
1**	1447.900	29.83	-17.49	54.0	-24.17	AV	230.00	200	Horizontal	Pass
2	2402.600	93.25	-12.27	74.0	19.25	Peak	138.00	150	Horizontal	N/A
2**	2402.600	90.12	-12.27	54.0	36.12	AV	138.00	150	Horizontal	N/A
3	4914.800	51.03	-2.34	74.0	-22.97	Peak	299.00	150	Horizontal	Pass
3**	4914.800	42.75	-2.34	54.0	-11.25	AV	299.00	150	Horizontal	Pass
4	6677.600	54.06	-0.57	74.0	-19.94	Peak	222.00	400	Horizontal	Pass
4**	6677.600	45.19	-0.57	54.0	-8.81	AV	222.00	400	Horizontal	Pass
5	12215.537	52.66	1.19	74.0	-21.34	Peak	313.00	400	Horizontal	Pass
5**	12215.537	44.21	1.19	54.0	-9.79	AV	313.00	400	Horizontal	Pass
6	17199.114	52.83	1.95	74.0	-21.17	Peak	77.00	100	Horizontal	Pass
6**	17199.114	46.47	1.95	54.0	-7.53	AV	77.00	100	Horizontal	Pass

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

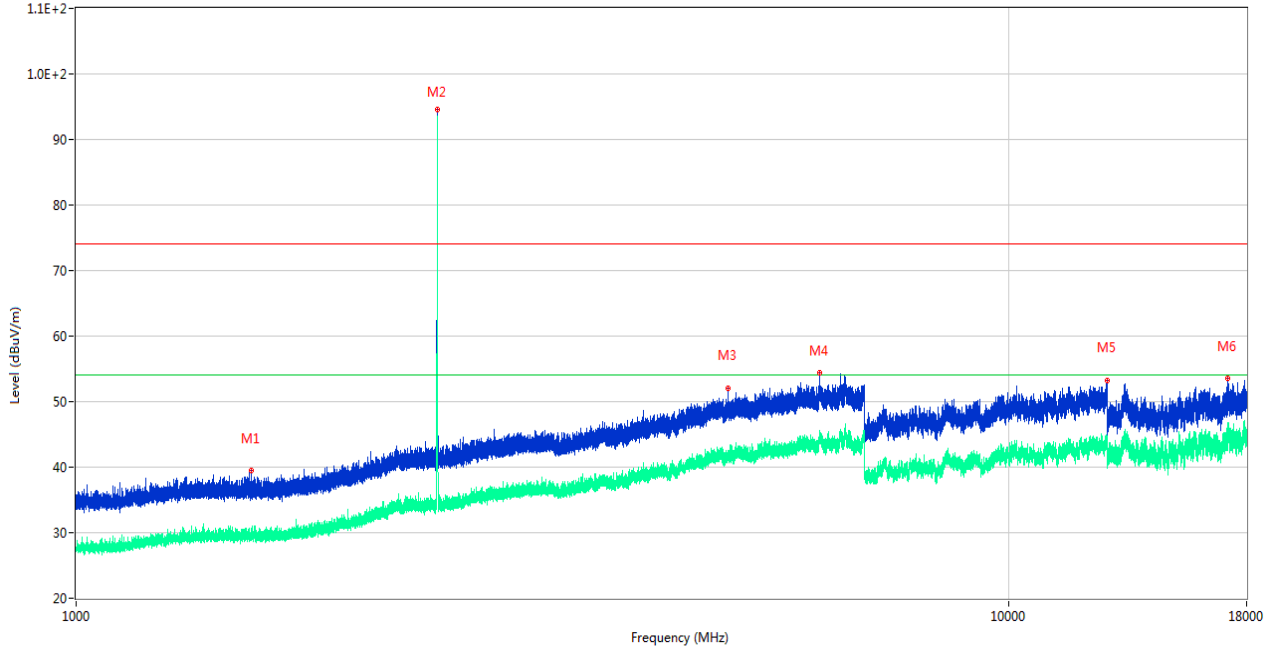
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.900	38.61	-17.56	74.0	-35.39	Peak	70.00	400	Vertical	Pass
1**	1475.900	29.38	-17.56	54.0	-24.62	AV	70.00	400	Vertical	Pass
2	2401.600	78.03	-12.26	74.0	4.03	Peak	242.00	100	Vertical	N/A
2**	2401.600	74.79	-12.26	54.0	20.79	AV	242.00	100	Vertical	N/A
3	4846.400	51.03	-3.38	74.0	-22.97	Peak	360.00	200	Vertical	Pass
3**	4846.400	41.18	-3.38	54.0	-12.82	AV	360.00	200	Vertical	Pass
4	6686.000	53.71	-0.20	74.0	-20.29	Peak	331.00	100	Vertical	Pass
4**	6686.000	44.87	-0.20	54.0	-9.13	AV	331.00	100	Vertical	Pass
5	12587.563	52.89	1.64	74.0	-21.11	Peak	0.00	400	Vertical	Pass
5**	12587.563	43.35	1.64	54.0	-10.65	AV	0.00	400	Vertical	Pass
6	17200.163	53.27	1.88	74.0	-20.73	Peak	336.00	150	Vertical	Pass
6**	17200.163	44.99	1.88	54.0	-9.01	AV	336.00	150	Vertical	Pass

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

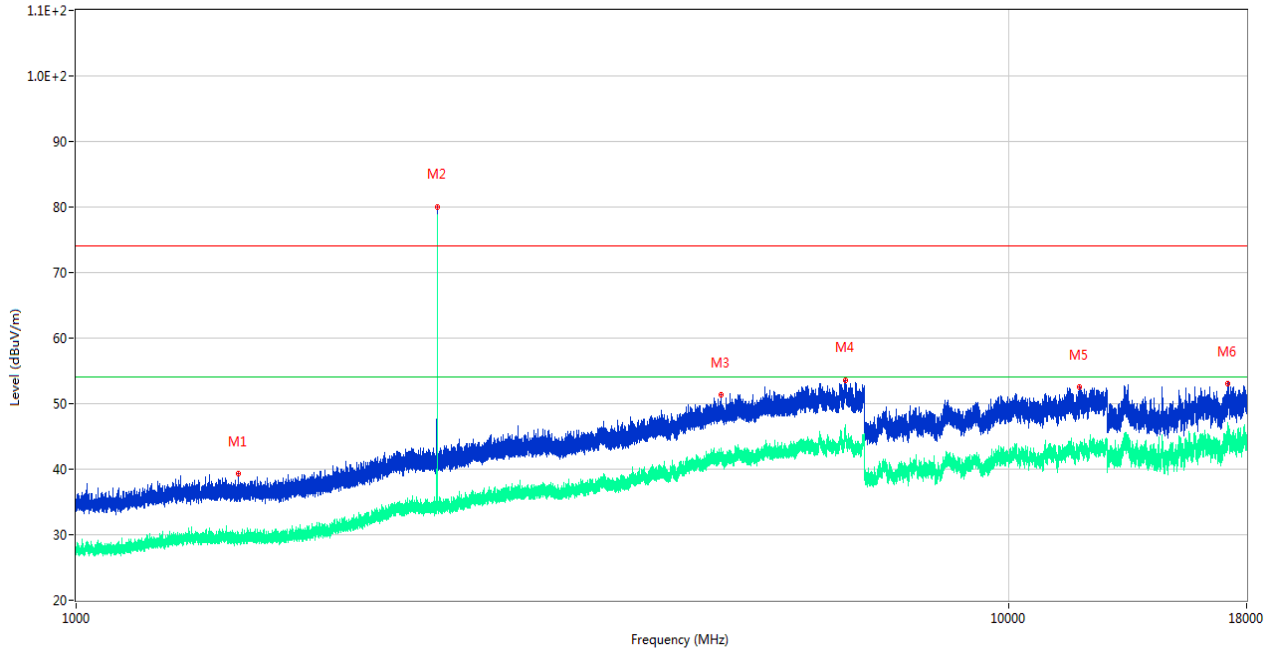
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.700	39.44	-17.52	74.0	-34.56	Peak	203.00	100	Horizontal	Pass
1**	1540.700	29.10	-17.52	54.0	-24.90	AV	203.00	100	Horizontal	Pass
2	2439.500	94.61	-12.64	74.0	20.61	Peak	133.00	150	Horizontal	N/A
2**	2439.500	92.98	-12.64	54.0	38.98	AV	133.00	150	Horizontal	N/A
3	5003.800	52.04	-3.00	74.0	-21.96	Peak	160.00	150	Horizontal	Pass
3**	5003.800	41.49	-3.00	54.0	-12.51	AV	160.00	150	Horizontal	Pass
4	6275.600	54.39	-0.25	74.0	-19.61	Peak	79.00	200	Horizontal	Pass
4**	6275.600	45.09	-0.25	54.0	-8.91	AV	79.00	200	Horizontal	Pass
5	12745.400	53.22	1.23	74.0	-20.78	Peak	11.00	100	Horizontal	Pass
5**	12745.400	43.57	1.23	54.0	-10.43	AV	11.00	100	Horizontal	Pass
6	17186.511	53.50	2.47	74.0	-20.50	Peak	139.00	200	Horizontal	Pass
6**	17186.511	45.66	2.47	54.0	-8.34	AV	139.00	200	Horizontal	Pass

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

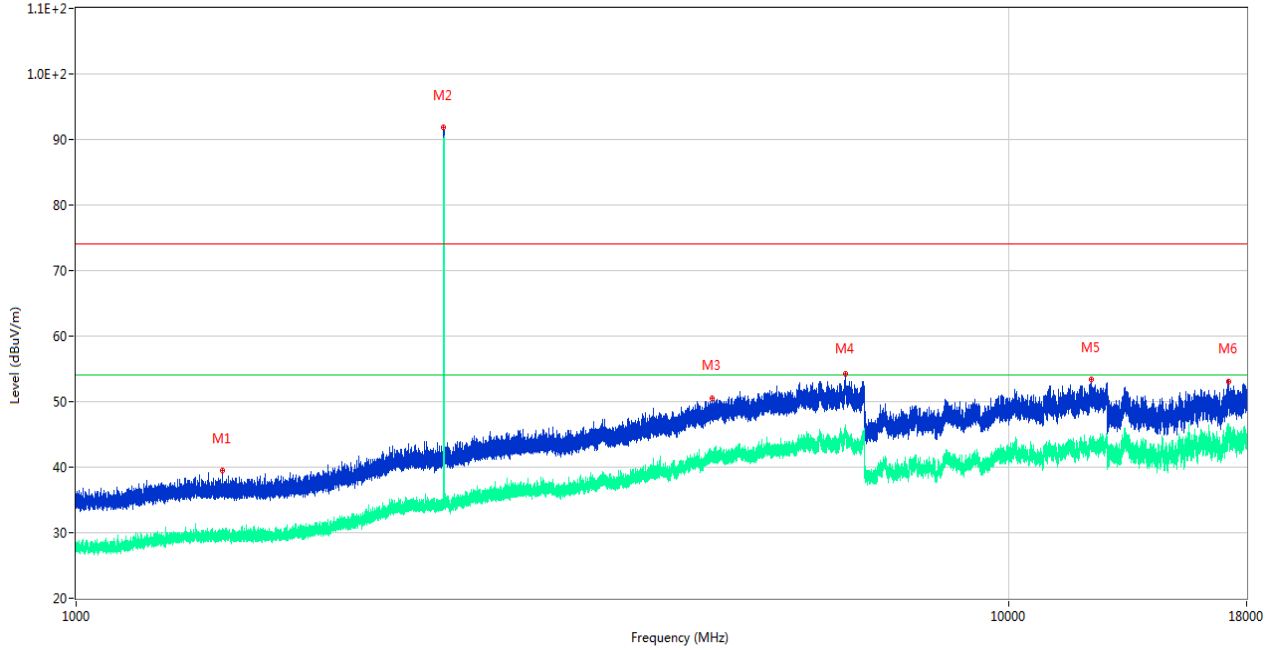
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.400	39.31	-17.48	74.0	-34.69	Peak	196.00	400	Vertical	Pass
1**	1491.400	29.97	-17.48	54.0	-24.03	AV	196.00	400	Vertical	Pass
2	2439.400	80.03	-12.64	74.0	6.03	Peak	117.00	150	Vertical	N/A
2**	2439.400	75.25	-12.64	54.0	21.25	AV	117.00	150	Vertical	N/A
3	4919.200	51.28	-2.41	74.0	-22.72	Peak	0.00	100	Vertical	Pass
3**	4919.200	42.27	-2.41	54.0	-11.73	AV	0.00	100	Vertical	Pass
4	6685.600	53.58	-0.19	74.0	-20.42	Peak	219.00	100	Vertical	Pass
4**	6685.600	45.84	-0.19	54.0	-8.16	AV	219.00	100	Vertical	Pass
5	11923.438	52.48	1.51	74.0	-21.52	Peak	259.00	100	Vertical	Pass
5**	11923.438	43.49	1.51	54.0	-10.51	AV	259.00	100	Vertical	Pass
6	17186.251	53.01	2.48	74.0	-20.99	Peak	60.00	400	Vertical	Pass
6**	17186.251	45.29	2.48	54.0	-8.71	AV	60.00	400	Vertical	Pass

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

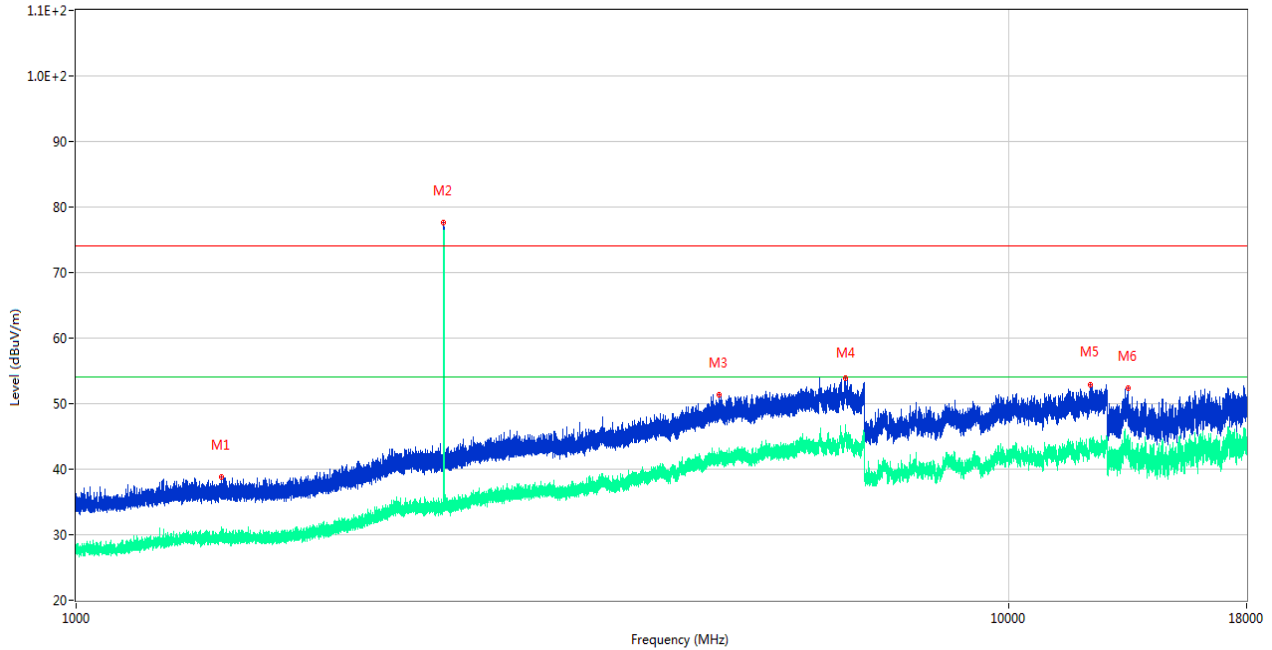
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.400	39.45	-17.35	74.0	-34.55	Peak	172.00	300	Horizontal	Pass
1**	1435.400	29.79	-17.35	54.0	-24.21	AV	172.00	300	Horizontal	Pass
2	2479.600	91.82	-12.44	74.0	17.82	Peak	154.00	100	Horizontal	N/A
2**	2479.600	89.27	-12.44	54.0	35.27	AV	154.00	100	Horizontal	N/A
3	4808.000	50.56	-2.97	74.0	-23.44	Peak	198.00	150	Horizontal	Pass
3**	4808.000	41.49	-2.97	54.0	-12.51	AV	198.00	150	Horizontal	Pass
4	6685.800	54.22	-0.19	74.0	-19.78	Peak	31.00	400	Horizontal	Pass
4**	6685.800	45.61	-0.19	54.0	-8.39	AV	31.00	400	Horizontal	Pass
5	12260.100	53.32	1.08	74.0	-20.68	Peak	275.00	100	Horizontal	Pass
5**	12260.100	42.80	1.08	54.0	-11.20	AV	275.00	100	Horizontal	Pass
6	17201.213	53.10	1.83	74.0	-20.90	Peak	256.00	400	Horizontal	Pass
6**	17201.213	46.43	1.83	54.0	-7.57	AV	256.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH 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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1432.100	38.80	-17.37	74.0	-35.20	Peak	300.00	200	Vertical	Pass
1**	1432.100	29.09	-17.37	54.0	-24.91	AV	300.00	200	Vertical	Pass
2	2479.500	77.55	-12.44	74.0	3.55	Peak	19.00	200	Vertical	N/A
2**	2479.500	74.73	-12.44	54.0	20.73	AV	19.00	200	Vertical	N/A
3	4887.200	51.34	-3.37	74.0	-22.66	Peak	358.00	150	Vertical	Pass
3**	4887.200	41.44	-3.37	54.0	-12.56	AV	358.00	150	Vertical	Pass
4	6690.400	53.94	-0.28	74.0	-20.06	Peak	242.00	100	Vertical	Pass
4**	6690.400	45.37	-0.28	54.0	-8.63	AV	242.00	100	Vertical	Pass
5	12247.162	52.88	0.99	74.0	-21.12	Peak	310.00	100	Vertical	Pass
5**	12247.162	43.02	0.99	54.0	-10.98	AV	310.00	100	Vertical	Pass
6	13424.099	52.32	0.40	74.0	-21.68	Peak	0.00	100	Vertical	Pass
6**	13424.099	42.66	0.40	54.0	-11.34	AV	0.00	100	Vertical	Pass

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

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

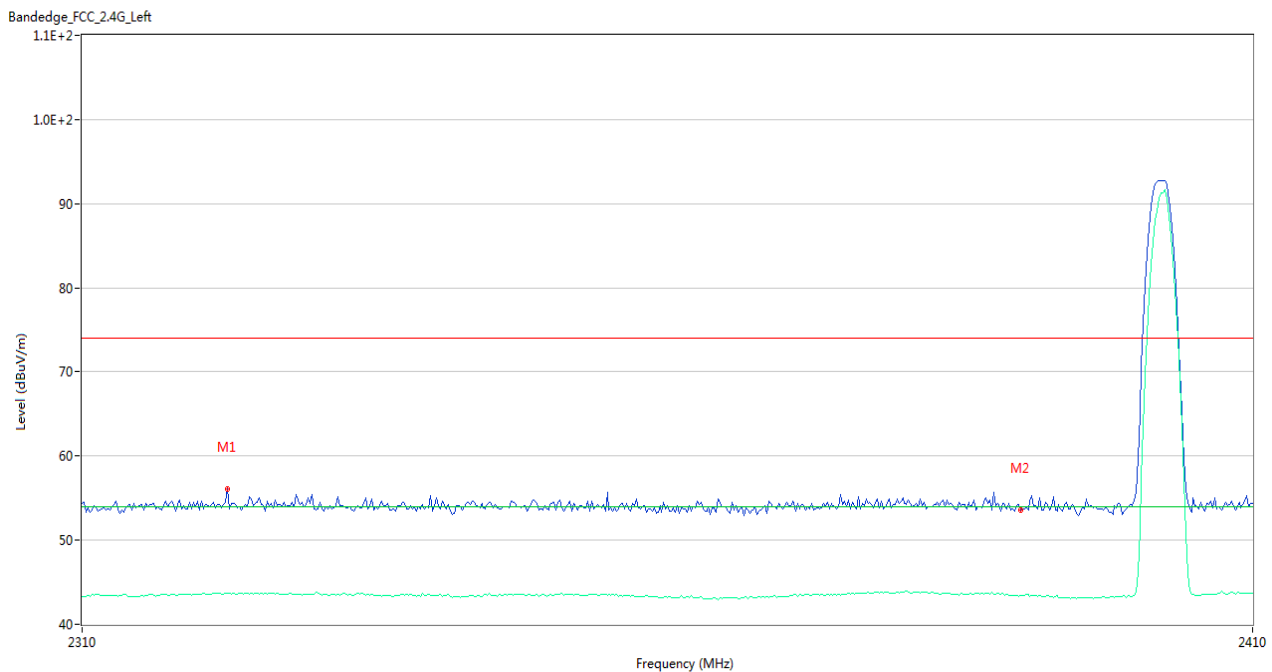
Note <sup>2</sup>: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note <sup>3</sup>: According the ANSI C63.10-2013, 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 <sup>4</sup>: The Level (dBuV/m) has been corrected by factor.

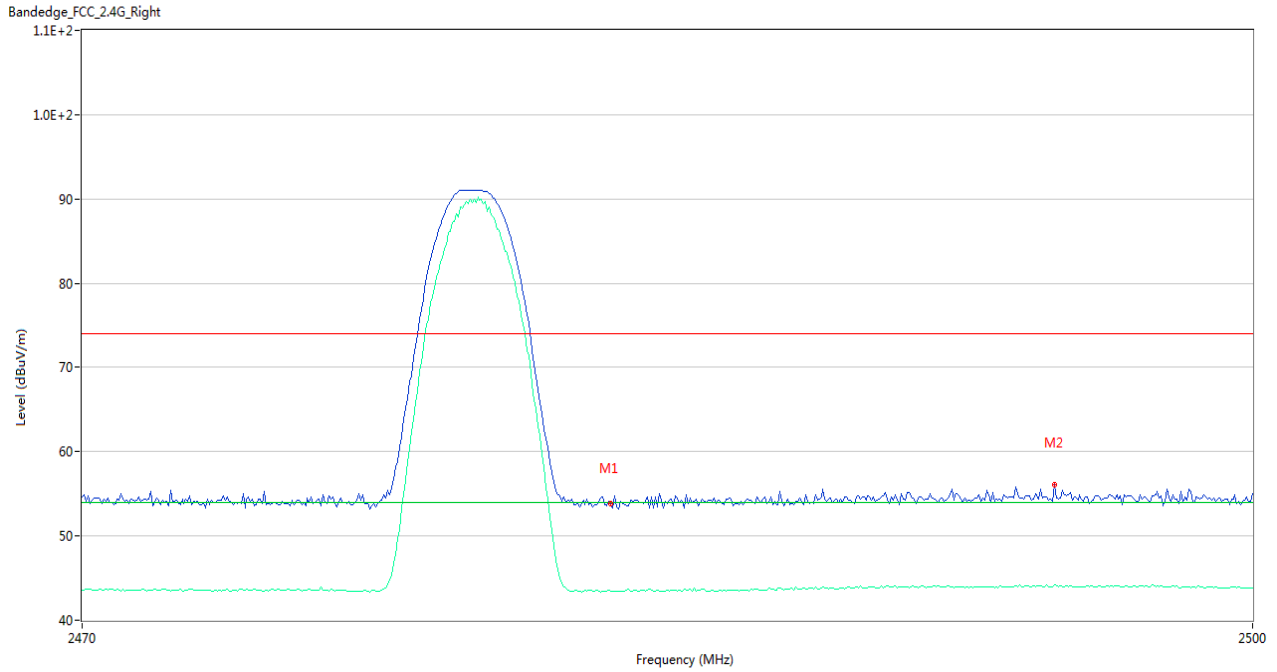
### Test Data and Plots

#### GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2322.167	56.12	-0.70	74.0	-17.88	Peak	203.00	100	Horizontal	Pass
1**	2322.167	43.65	-0.70	54.0	-10.35	AV	203.00	100	Horizontal	Pass
2	2389.833	53.56	-0.50	74.0	-20.44	Peak	318.00	150	Horizontal	Pass
2**	2389.833	43.43	-0.50	54.0	-10.57	AV	318.00	150	Horizontal	Pass

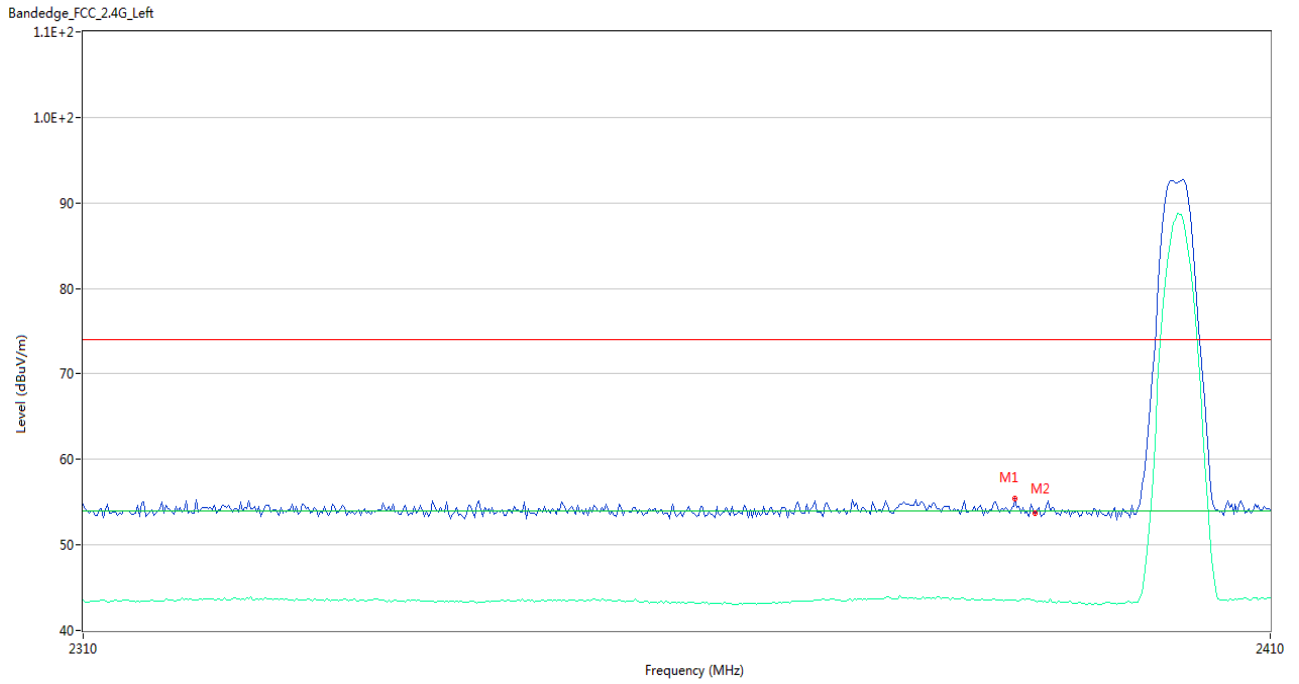
**GFSK (BLE 1Mbps) HIGH CHANNEL**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.82	-0.36	74.0	-20.18	Peak	96.00	200	Horizontal	Pass
1**	2483.500	43.42	-0.36	54.0	-10.58	AV	96.00	200	Horizontal	Pass
2	2494.900	56.05	-0.04	74.0	-17.95	Peak	15.00	200	Horizontal	Pass
2**	2494.900	44.18	-0.04	54.0	-9.82	AV	15.00	200	Horizontal	Pass

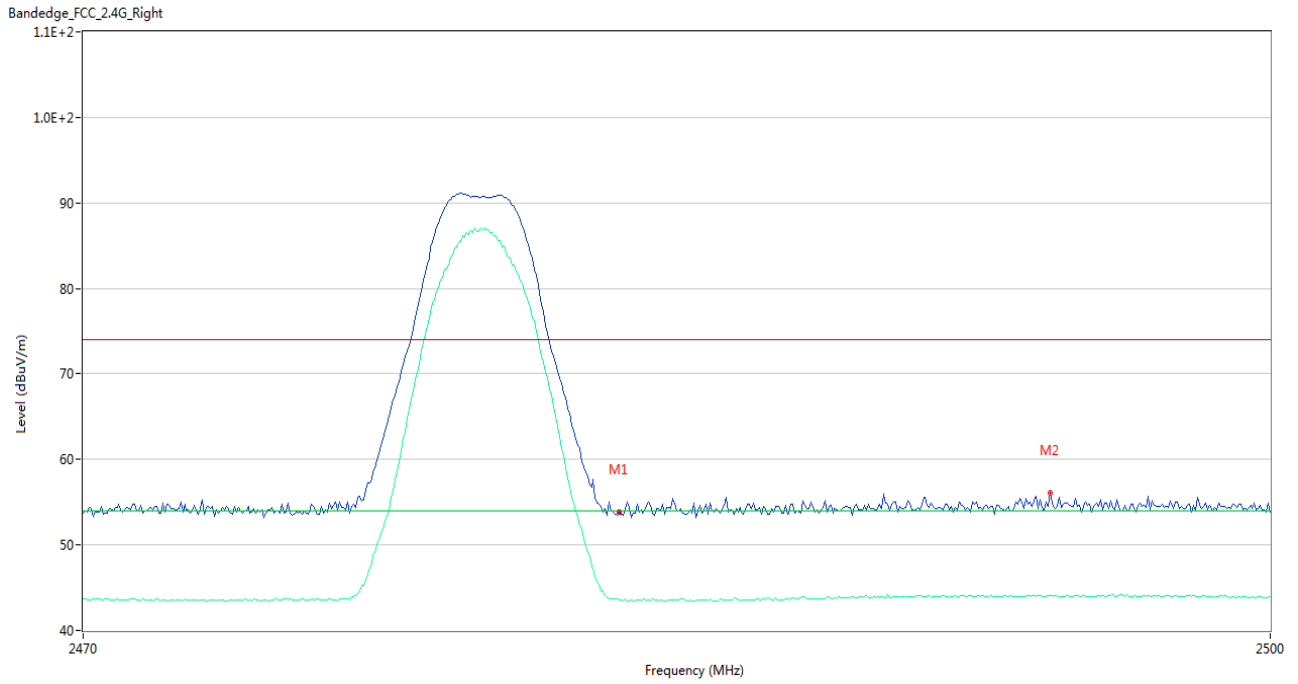


**GFSK (BLE 2Mbps) LOW CHANNEL**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.167	55.48	-0.50	74.0	-18.52	Peak	35.00	100	Horizontal	Pass
1**	2388.167	43.50	-0.50	54.0	-10.50	AV	35.00	100	Horizontal	Pass
2	2389.833	53.68	-0.50	74.0	-20.32	Peak	312.00	100	Horizontal	Pass
2**	2389.833	43.48	-0.50	54.0	-10.52	AV	312.00	100	Horizontal	Pass

**GFSK (BLE 2Mbps) HIGH CHANNEL**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.86	-0.36	74.0	-20.14	Peak	227.00	200	Horizontal	Pass
1**	2483.500	43.56	-0.36	54.0	-10.44	AV	227.00	200	Horizontal	Pass
2	2494.400	56.05	-0.04	74.0	-17.95	Peak	144.00	150	Horizontal	Pass
2**	2494.400	44.07	-0.04	54.0	-9.93	AV	144.00	150	Horizontal	Pass

## A.8 Power Spectral Density (PSD)

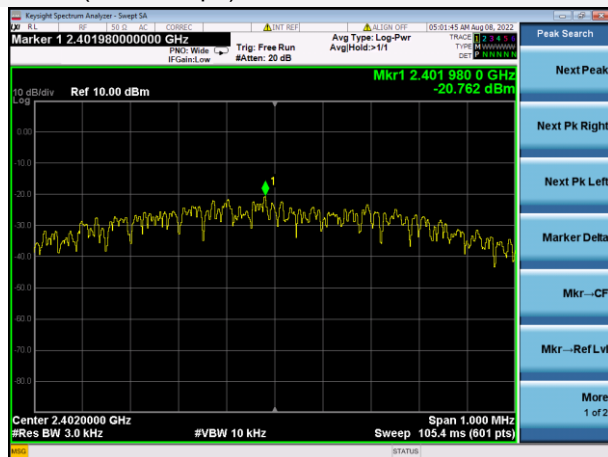
### Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-20.76	8	Pass
Middle Channel	-19.31	8	Pass
High Channel	-21.53	8	Pass

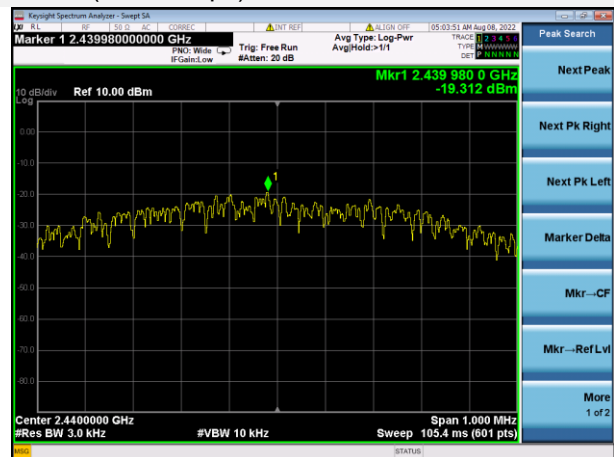
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-23.58	8	Pass
Middle Channel	-22.61	8	Pass
High Channel	-24.50	8	Pass

### Test Plots

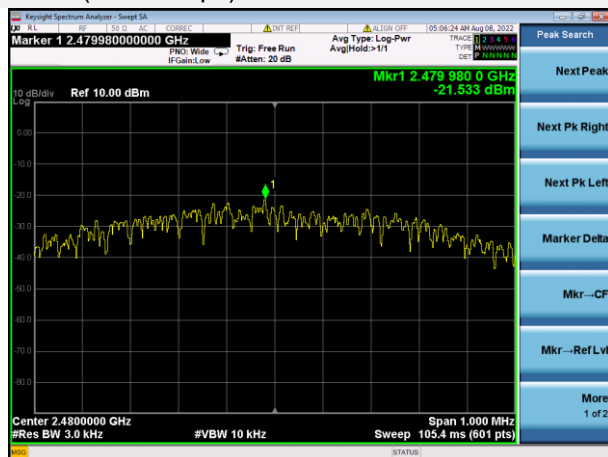
GFSK (BLE 1Mbps) LOW CHANNEL



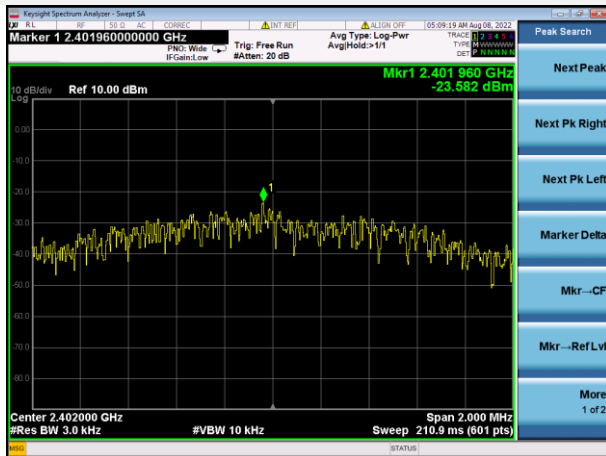
GFSK (BLE 1Mbps) MIDDLE CHANNEL



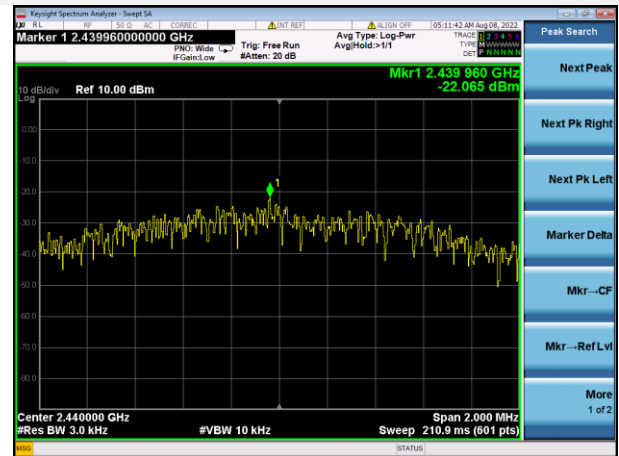
GFSK (BLE 1Mbps) HIGH CHANNEL



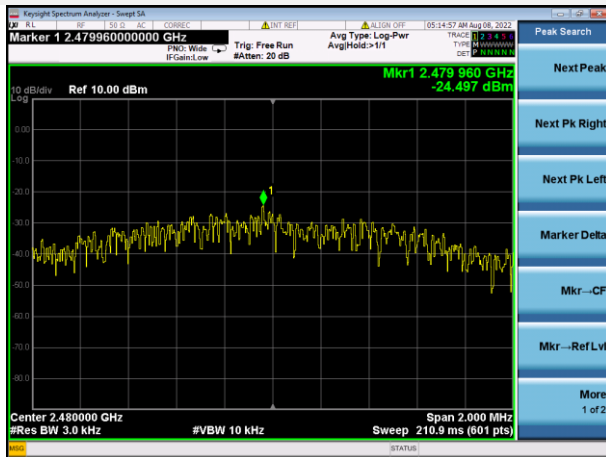
### GFSK (BLE 2Mbps) LOW CHANNEL



### GFSK (BLE 2Mbps) MIDDLE CHANNEL



### GFSK (BLE 2Mbps) HIGH CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2280104-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2280104-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2280104-AI.PDF”.

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--END OF REPORT--