

Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.7.4 Test Result

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.

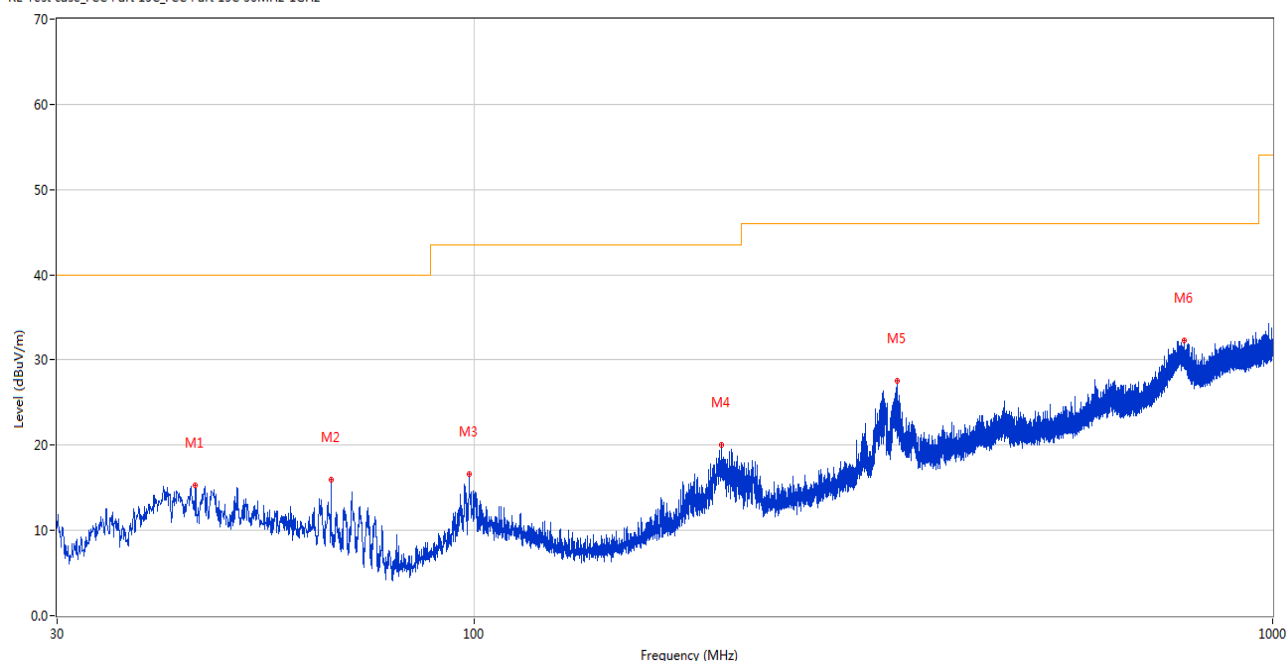
Note ⁴: The EUT was tested in Link mode and the charging.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

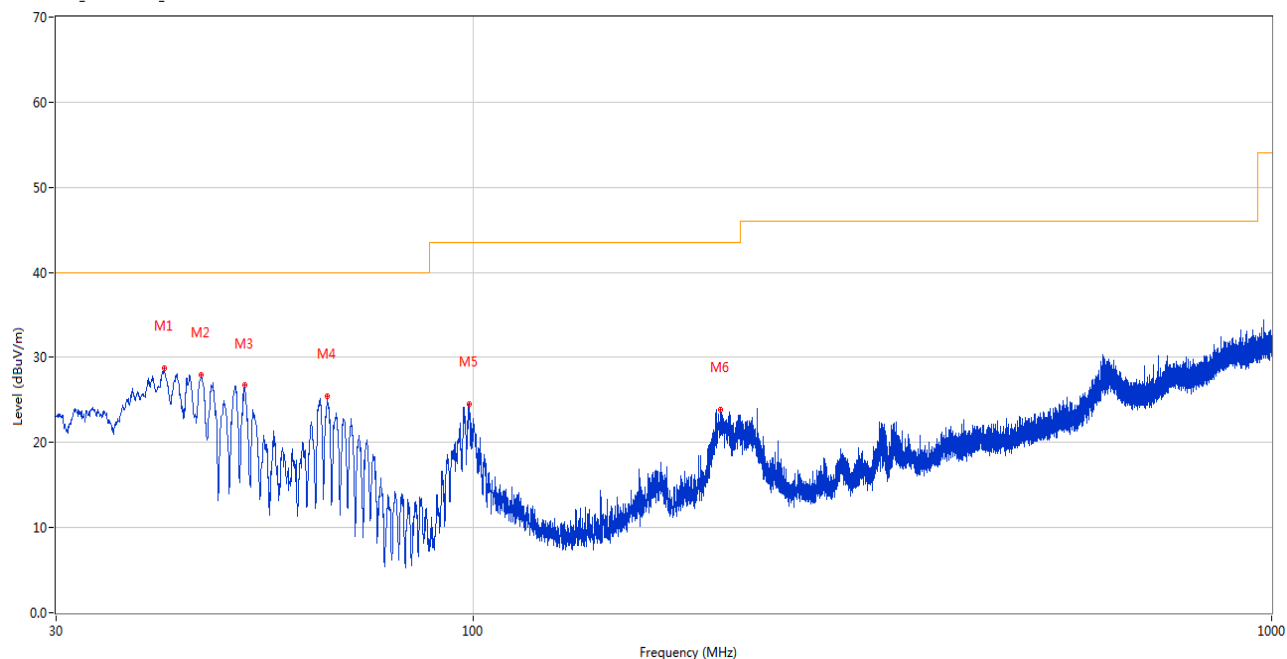
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.696	15.27	-24.49	40.0	24.73	Peak	3.80	100	Horizontal	Pass
2	66.132	15.94	-26.81	40.0	24.06	Peak	149.20	100	Horizontal	Pass
3	98.579	16.63	-25.76	43.5	26.87	Peak	3.80	100	Horizontal	Pass
4	204.115	20.08	-24.73	43.5	23.42	Peak	341.10	100	Horizontal	Pass
5	338.751	27.53	-19.90	46.0	18.47	Peak	153.80	100	Horizontal	Pass
6	774.039	32.35	-8.95	46.0	13.65	Peak	238.10	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.961	28.80	-25.24	40.0	11.20	Peak	248.40	100	Vertical	Pass
2	45.569	27.91	-24.37	40.0	12.09	Peak	289.50	100	Vertical	Pass
3	51.631	26.70	-24.07	40.0	13.30	Peak	43.70	100	Vertical	Pass
4	65.550	25.41	-26.72	40.0	14.59	Peak	162.10	100	Vertical	Pass
5	98.676	24.58	-25.70	43.5	18.92	Peak	306.30	100	Vertical	Pass
6	203.921	23.83	-24.71	43.5	19.67	Peak	48.20	100	Vertical	Pass

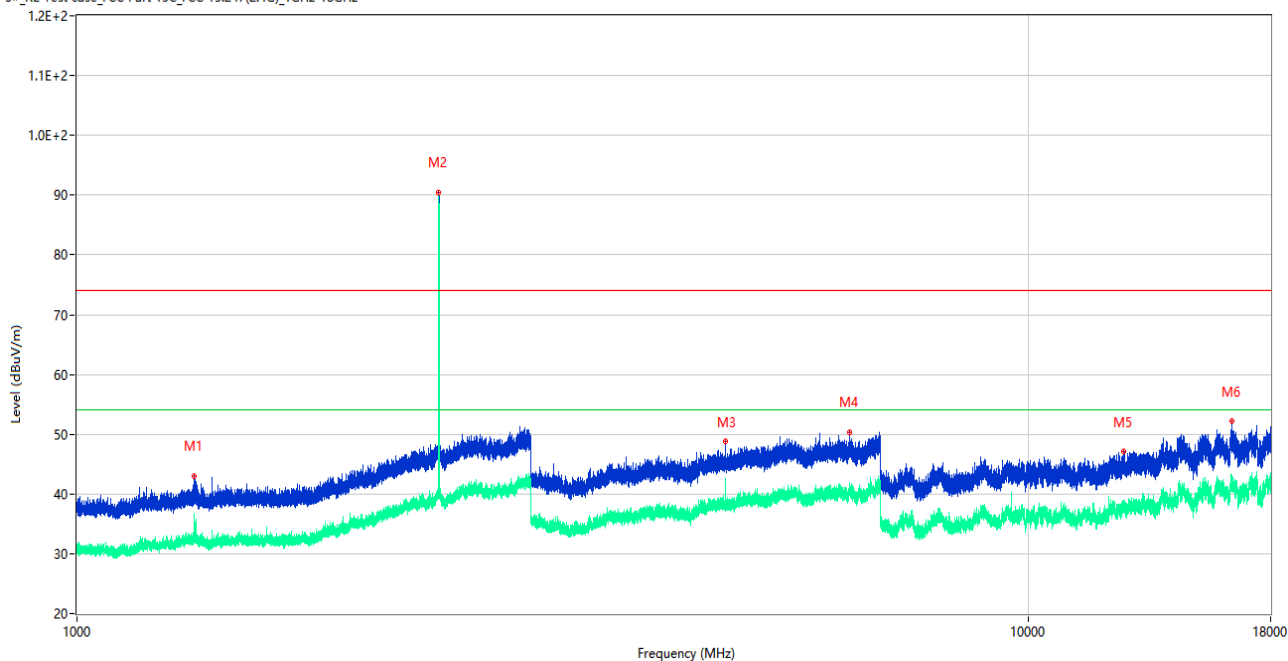
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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

Left Ear

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

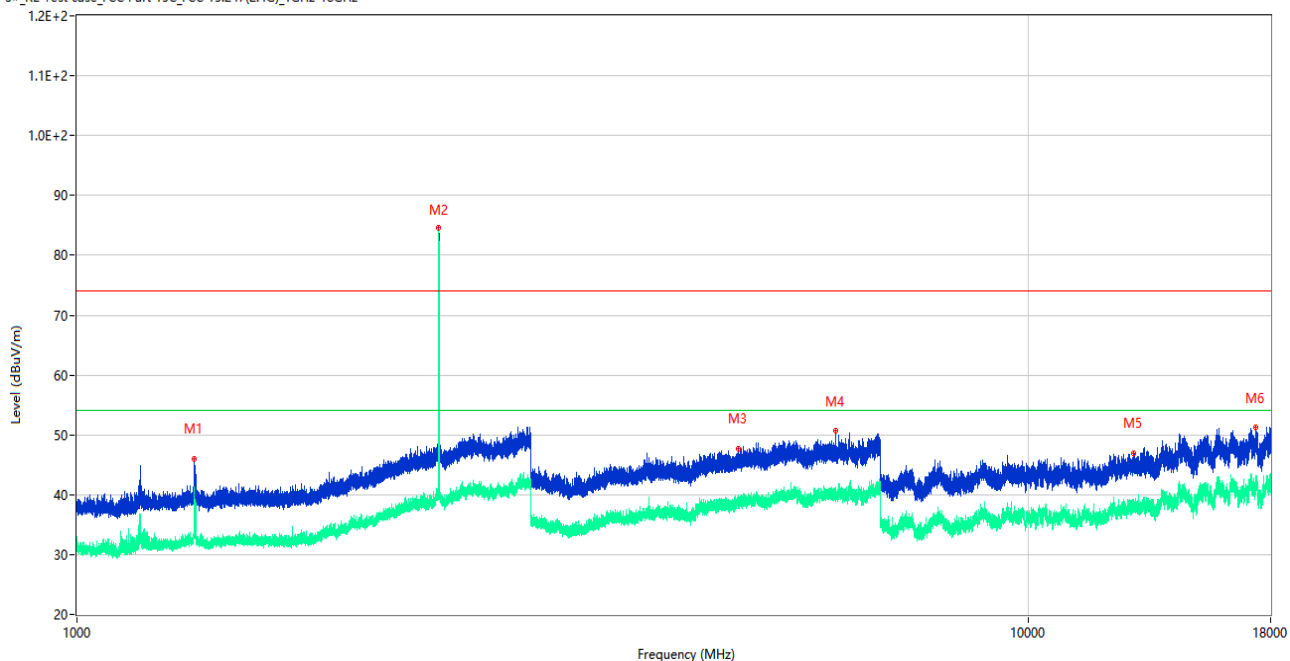
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	43.06	74.0	30.94	Peak	221.00	100	Horizontal	Pass
1**	1327.900	33.93	54.0	20.07	AV	221.00	100	Horizontal	Pass
2	2402.200	90.52	74.0	-16.52	Peak	259.00	150	Horizontal	N/A
2**	2402.200	89.72	54.0	-35.72	AV	259.00	150	Horizontal	N/A
3	4804.400	48.89	74.0	25.11	Peak	326.00	100	Horizontal	Pass
3**	4804.400	42.66	54.0	11.34	AV	326.00	100	Horizontal	Pass
4	6494.000	50.41	74.0	23.59	Peak	349.00	300	Horizontal	Pass
4**	6494.000	41.07	54.0	12.93	AV	349.00	300	Horizontal	Pass
5	12615.162	47.07	74.0	26.93	Peak	204.00	100	Horizontal	Pass
5**	12615.162	37.16	54.0	16.84	AV	204.00	100	Horizontal	Pass
6	16374.862	52.13	74.0	21.87	Peak	0.00	200	Horizontal	Pass
6**	16374.862	41.53	54.0	12.47	AV	0.00	200	Horizontal	Pass

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

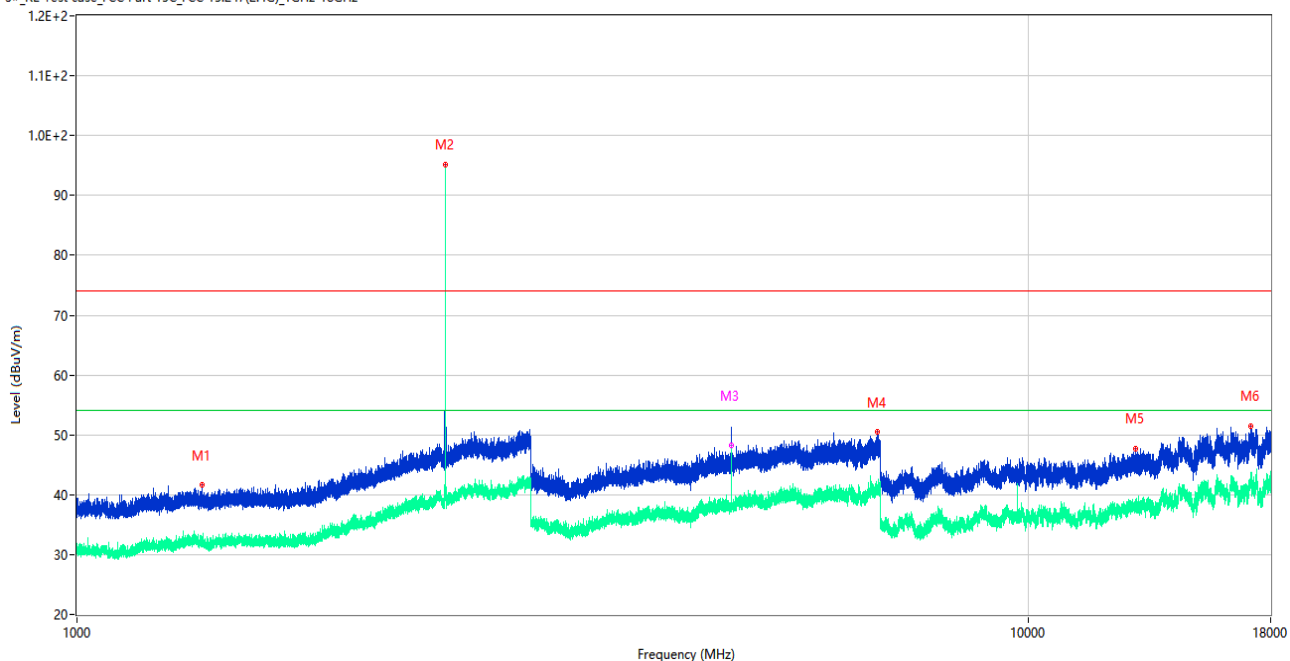
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.800	45.98	74.0	28.02	Peak	225.00	200	Vertical	Pass
1**	1327.800	36.12	54.0	17.88	AV	225.00	200	Vertical	Pass
2	2402.200	84.53	74.0	-10.53	Peak	268.00	100	Vertical	N/A
2**	2402.200	83.27	54.0	-29.27	AV	268.00	100	Vertical	N/A
3	4965.400	47.77	74.0	26.23	Peak	145.00	200	Vertical	Pass
3**	4965.400	38.04	54.0	15.96	AV	145.00	200	Vertical	Pass
4	6282.200	50.63	74.0	23.37	Peak	350.00	200	Vertical	Pass
4**	6282.200	39.26	54.0	14.74	AV	350.00	200	Vertical	Pass
5	12931.912	46.96	74.0	27.04	Peak	266.00	100	Vertical	Pass
5**	12931.912	37.62	54.0	16.38	AV	266.00	100	Vertical	Pass
6	17382.863	51.21	74.0	22.79	Peak	0.00	300	Vertical	Pass
6**	17382.863	41.24	54.0	12.76	AV	0.00	300	Vertical	Pass

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

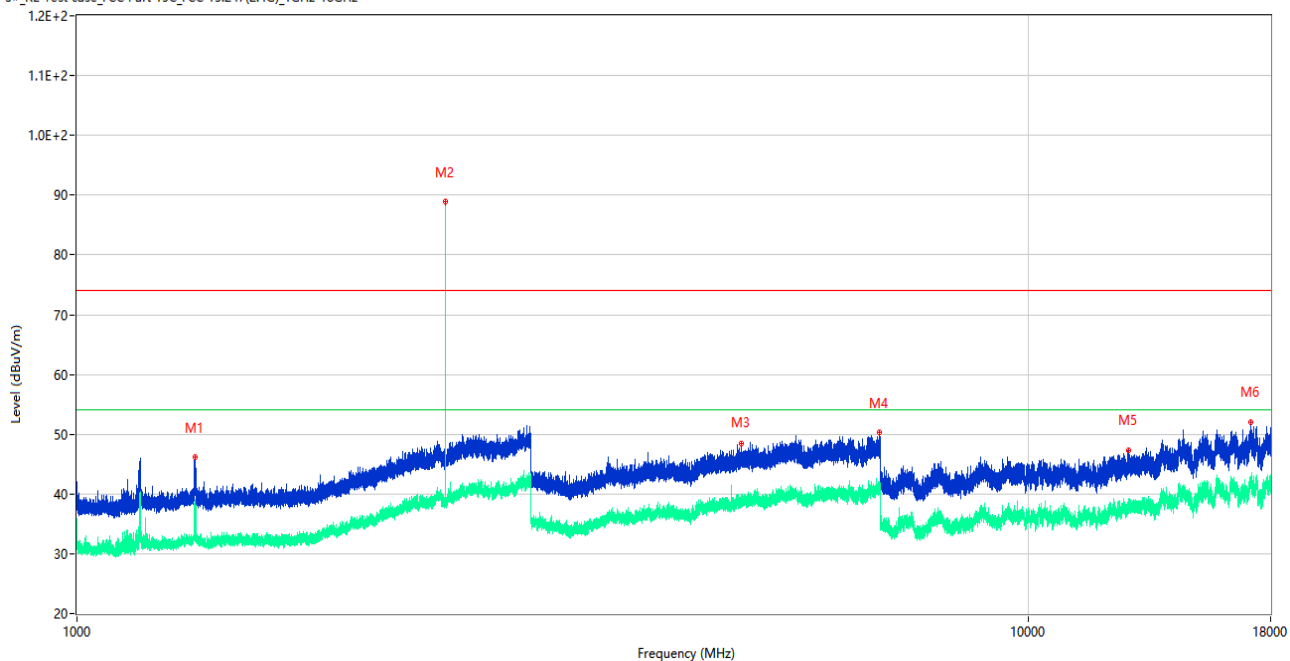
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1352.700	41.64	74.0	32.36	Peak	224.00	100	Horizontal	Pass
1**	1352.700	31.66	54.0	22.34	AV	224.00	100	Horizontal	Pass
2	2440.200	95.07	74.0	-21.07	Peak	255.00	100	Horizontal	N/A
2**	2440.200	94.30	54.0	-40.30	AV	255.00	100	Horizontal	N/A
3	4880.400	50.94	74.0	23.06	Peak	239.00	150	Horizontal	Pass
3**	4880.400	48.17	54.0	5.83	AV	239.00	150	Horizontal	Pass
4	6950.400	50.48	74.0	23.52	Peak	-2.00	300	Horizontal	Pass
4**	6950.400	40.75	54.0	13.25	AV	-2.00	300	Horizontal	Pass
5	12966.300	47.72	74.0	26.28	Peak	59.00	400	Horizontal	Pass
5**	12966.300	38.39	54.0	15.61	AV	59.00	400	Horizontal	Pass
6	17150.287	51.47	74.0	22.53	Peak	144.00	300	Horizontal	Pass
6**	17150.287	42.84	54.0	11.16	AV	144.00	300	Horizontal	Pass

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

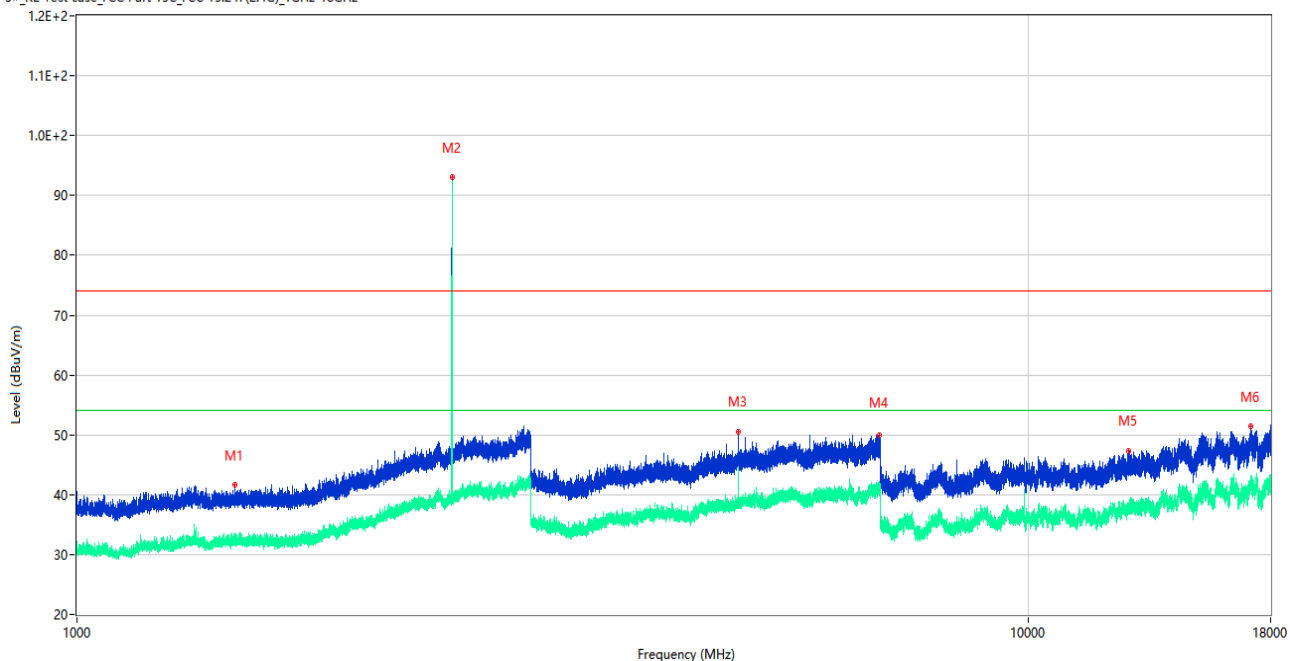
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.300	46.16	74.0	27.84	Peak	229.00	400	Vertical	Pass
1**	1331.300	34.89	54.0	19.11	AV	229.00	400	Vertical	Pass
2	2439.800	88.84	74.0	-14.84	Peak	266.00	200	Vertical	N/A
2**	2439.800	87.34	54.0	-33.34	AV	266.00	200	Vertical	N/A
3	4990.800	48.43	74.0	25.57	Peak	309.00	100	Vertical	Pass
3**	4990.800	38.58	54.0	15.42	AV	309.00	100	Vertical	Pass
4	6979.200	50.23	74.0	23.77	Peak	68.00	400	Vertical	Pass
4**	6979.200	41.09	54.0	12.91	AV	68.00	400	Vertical	Pass
5	12775.200	47.40	74.0	26.60	Peak	187.00	100	Vertical	Pass
5**	12775.200	37.75	54.0	16.25	AV	187.00	100	Vertical	Pass
6	17147.400	52.11	74.0	21.89	Peak	305.00	300	Vertical	Pass
6**	17147.400	42.12	54.0	11.88	AV	305.00	300	Vertical	Pass

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

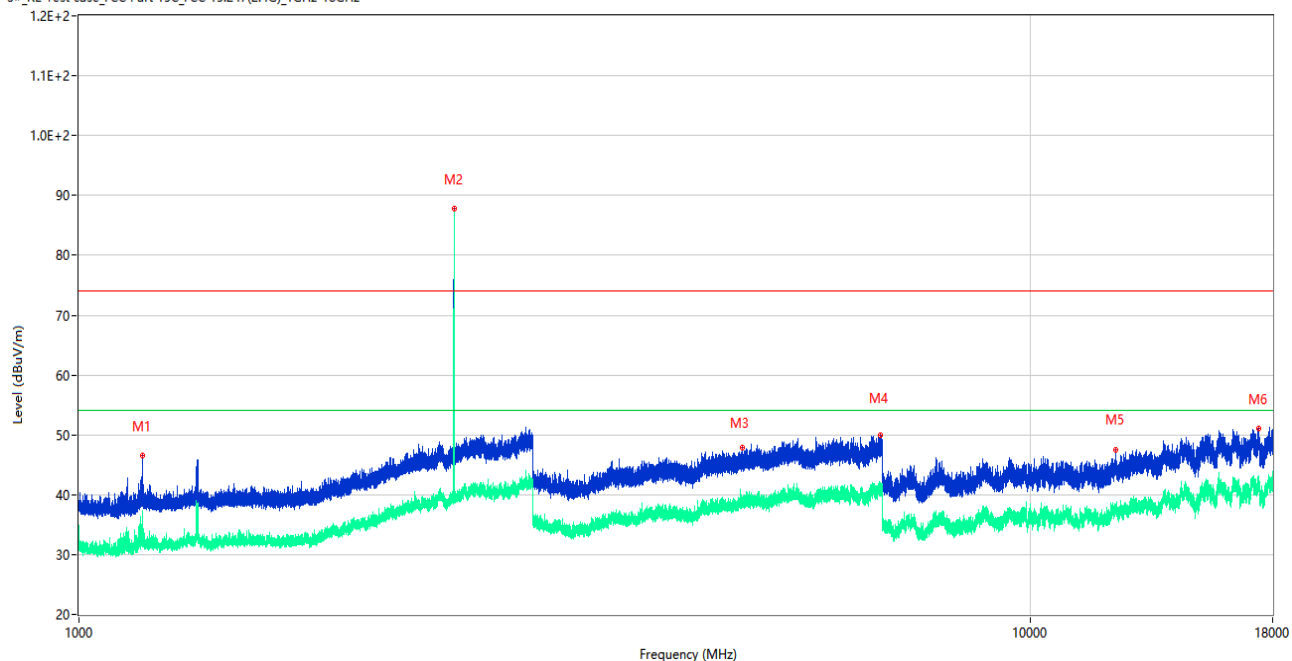
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.100	41.58	74.0	32.42	Peak	235.00	400	Horizontal	Pass
1**	1466.100	32.02	54.0	21.98	AV	235.00	400	Horizontal	Pass
2	2480.300	93.00	74.0	-19.00	Peak	255.00	100	Horizontal	N/A
2**	2480.300	92.34	54.0	-38.34	AV	255.00	100	Horizontal	N/A
3	4960.600	50.53	74.0	23.47	Peak	344.00	100	Horizontal	Pass
3**	4960.600	44.72	54.0	9.28	AV	344.00	100	Horizontal	Pass
4	6974.000	49.99	74.0	24.01	Peak	172.00	300	Horizontal	Pass
4**	6974.000	40.07	54.0	13.93	AV	172.00	300	Horizontal	Pass
5	12770.475	47.34	74.0	26.66	Peak	-3.00	300	Horizontal	Pass
5**	12770.475	37.58	54.0	16.42	AV	-3.00	300	Horizontal	Pass
6	17146.087	51.36	74.0	22.64	Peak	49.00	100	Horizontal	Pass
6**	17146.087	41.77	54.0	12.23	AV	49.00	100	Horizontal	Pass

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

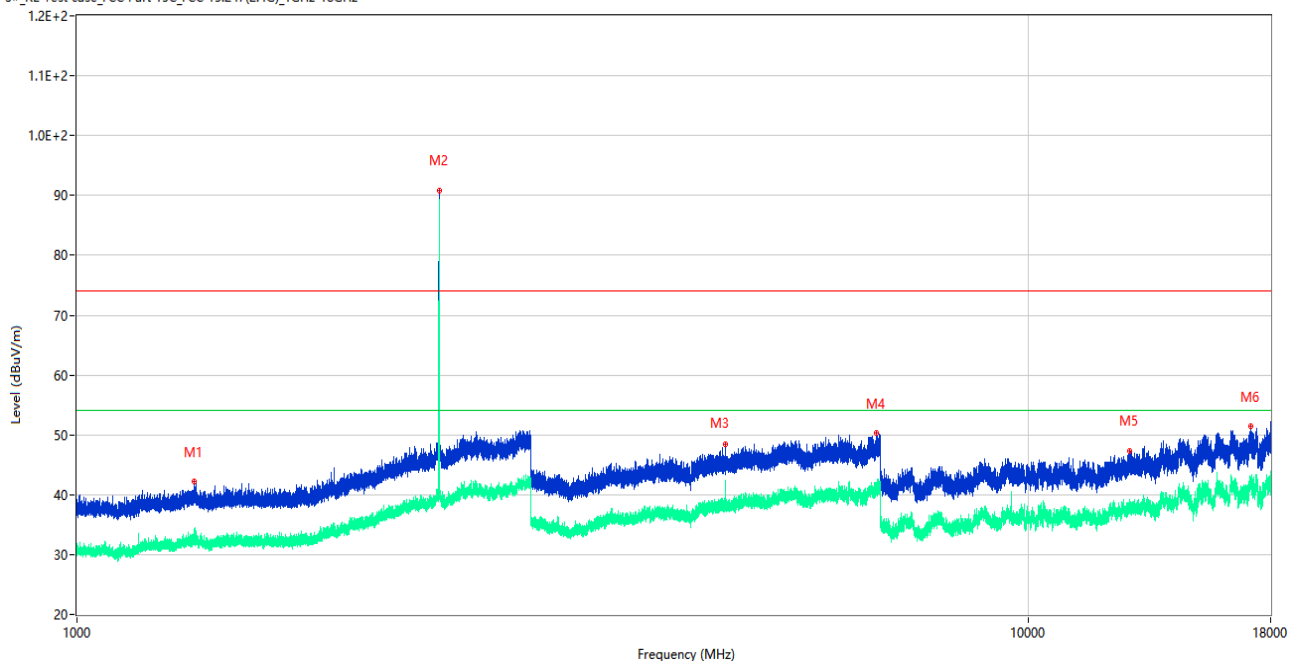
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.700	46.50	74.0	27.50	Peak	225.00	400	Vertical	Pass
1**	1166.700	33.28	54.0	20.72	AV	225.00	400	Vertical	Pass
2	2479.800	87.78	74.0	-13.78	Peak	256.00	150	Vertical	N/A
2**	2479.800	87.06	54.0	-33.06	AV	256.00	150	Vertical	N/A
3	4989.400	47.95	74.0	26.05	Peak	71.00	200	Vertical	Pass
3**	4989.400	38.01	54.0	15.99	AV	71.00	200	Vertical	Pass
4	6959.200	50.03	74.0	23.97	Peak	329.00	300	Vertical	Pass
4**	6959.200	41.12	54.0	12.88	AV	329.00	300	Vertical	Pass
5	12303.225	47.52	74.0	26.48	Peak	22.00	100	Vertical	Pass
5**	12303.225	37.71	54.0	16.29	AV	22.00	100	Vertical	Pass
6	17404.125	51.05	74.0	22.95	Peak	92.00	300	Vertical	Pass
6**	17404.125	43.15	54.0	10.85	AV	92.00	300	Vertical	Pass

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

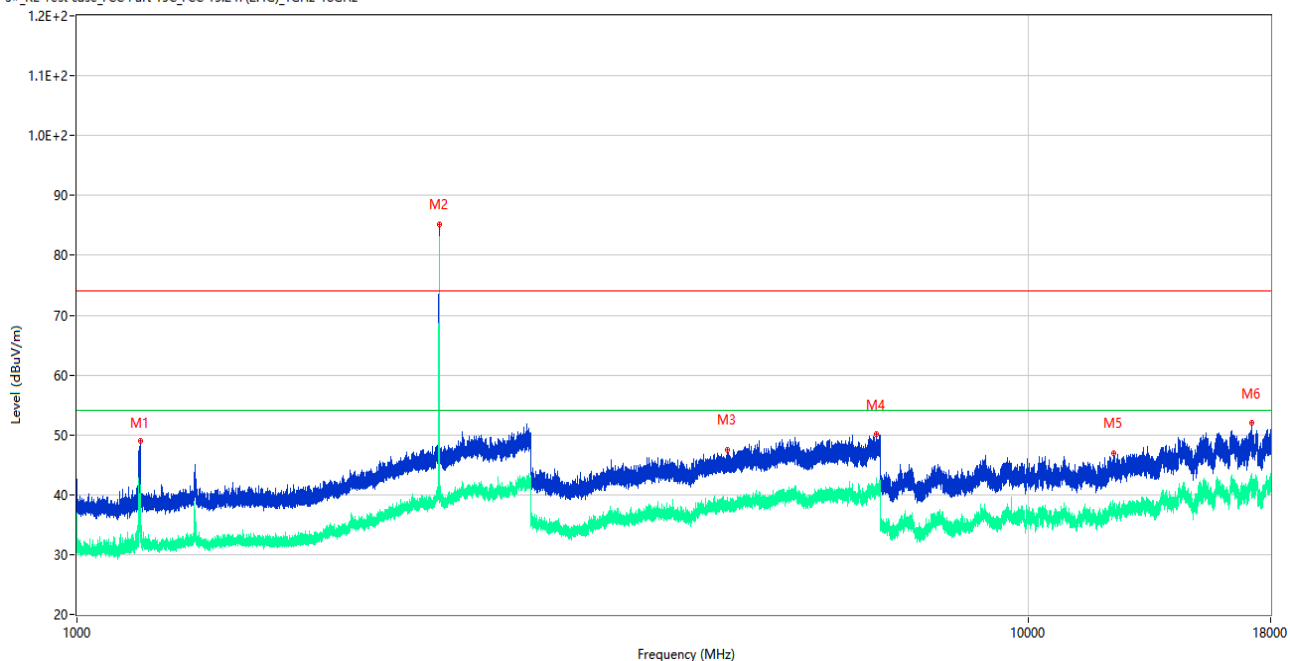
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.800	42.13	74.0	31.87	Peak	282.00	400	Horizontal	Pass
1**	1327.800	32.84	54.0	21.16	AV	282.00	400	Horizontal	Pass
2	2404.600	90.87	74.0	-16.87	Peak	257.00	100	Horizontal	N/A
2**	2404.600	88.82	54.0	-34.82	AV	257.00	100	Horizontal	N/A
3	4809.200	48.35	74.0	25.65	Peak	-3.00	100	Horizontal	Pass
3**	4809.200	41.30	54.0	12.70	AV	-3.00	100	Horizontal	Pass
4	6924.800	50.23	74.0	23.77	Peak	204.00	400	Horizontal	Pass
4**	6924.800	40.89	54.0	13.11	AV	204.00	400	Horizontal	Pass
5	12789.900	47.39	74.0	26.61	Peak	278.00	300	Horizontal	Pass
5**	12789.900	37.73	54.0	16.27	AV	278.00	300	Horizontal	Pass
6	17148.188	51.38	74.0	22.62	Peak	249.00	400	Horizontal	Pass
6**	17148.188	42.14	54.0	11.86	AV	249.00	400	Horizontal	Pass

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

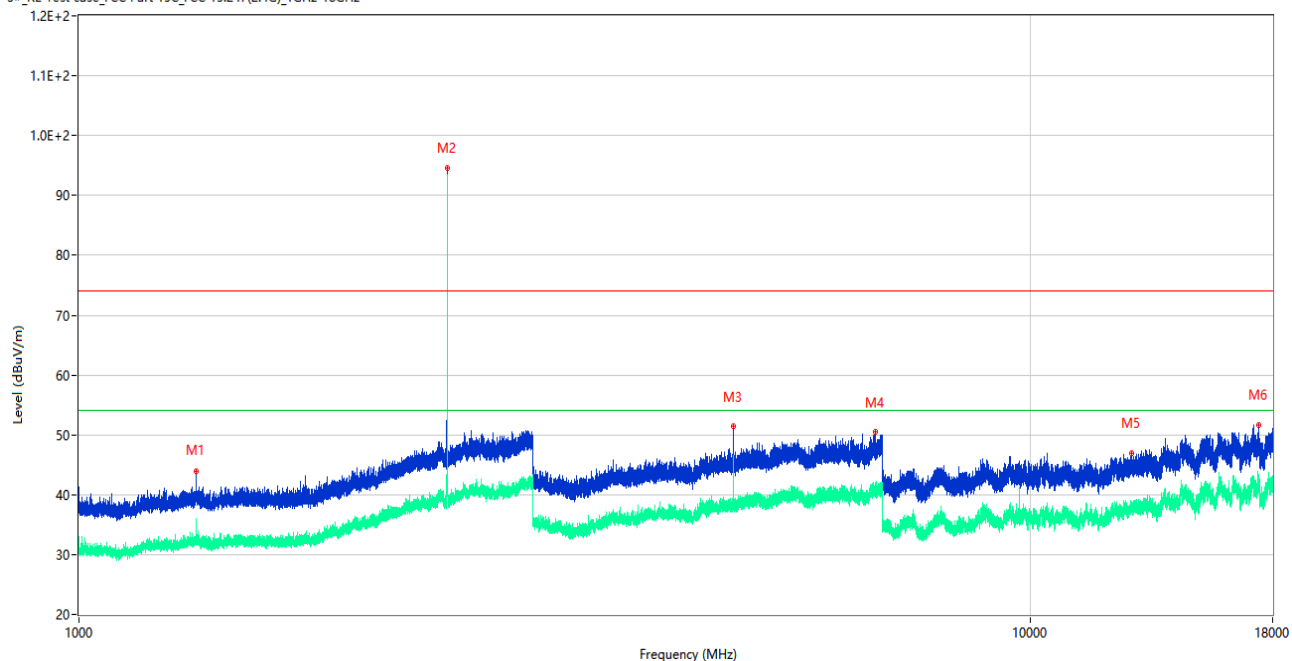
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.100	48.97	74.0	25.03	Peak	242.00	100	Vertical	Pass
1**	1165.100	39.10	54.0	14.90	AV	242.00	100	Vertical	Pass
2	2404.600	85.22	74.0	-11.22	Peak	267.00	100	Vertical	N/A
2**	2404.600	82.41	54.0	-28.41	AV	267.00	100	Vertical	N/A
3	4828.200	47.51	74.0	26.49	Peak	242.00	200	Vertical	Pass
3**	4828.200	38.88	54.0	15.12	AV	242.00	200	Vertical	Pass
4	6923.200	50.06	74.0	23.94	Peak	121.00	200	Vertical	Pass
4**	6923.200	40.70	54.0	13.30	AV	121.00	200	Vertical	Pass
5	12303.225	47.00	74.0	27.00	Peak	0.00	400	Vertical	Pass
5**	12303.225	37.25	54.0	16.75	AV	0.00	400	Vertical	Pass
6	17178.375	52.00	74.0	22.00	Peak	360.00	300	Vertical	Pass
6**	17178.375	41.46	54.0	12.54	AV	360.00	300	Vertical	Pass

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

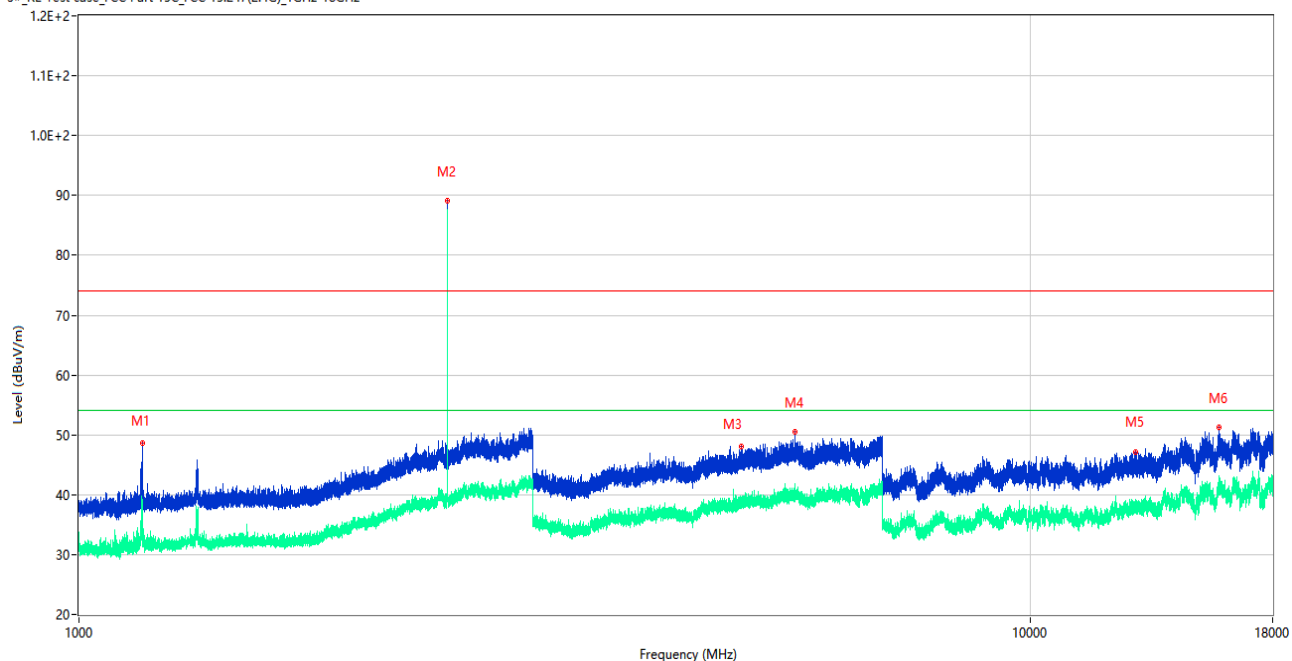
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.600	43.89	74.0	30.11	Peak	210.00	100	Horizontal	Pass
1**	1327.600	32.12	54.0	21.88	AV	210.00	100	Horizontal	Pass
2	2439.500	94.66	74.0	-20.66	Peak	260.00	150	Horizontal	N/A
2**	2439.500	91.09	54.0	-37.09	AV	260.00	150	Horizontal	N/A
3	4879.000	51.37	74.0	22.63	Peak	-3.00	200	Horizontal	Pass
3**	4879.000	45.85	54.0	8.15	AV	-3.00	200	Horizontal	Pass
4	6874.000	50.43	74.0	23.57	Peak	152.00	300	Horizontal	Pass
4**	6874.000	41.38	54.0	12.62	AV	152.00	300	Horizontal	Pass
5	12780.713	47.02	74.0	26.98	Peak	219.00	300	Horizontal	Pass
5**	12780.713	38.14	54.0	15.86	AV	219.00	300	Horizontal	Pass
6	17403.599	51.71	74.0	22.29	Peak	161.00	100	Horizontal	Pass
6**	17403.599	42.89	54.0	11.11	AV	161.00	100	Horizontal	Pass

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

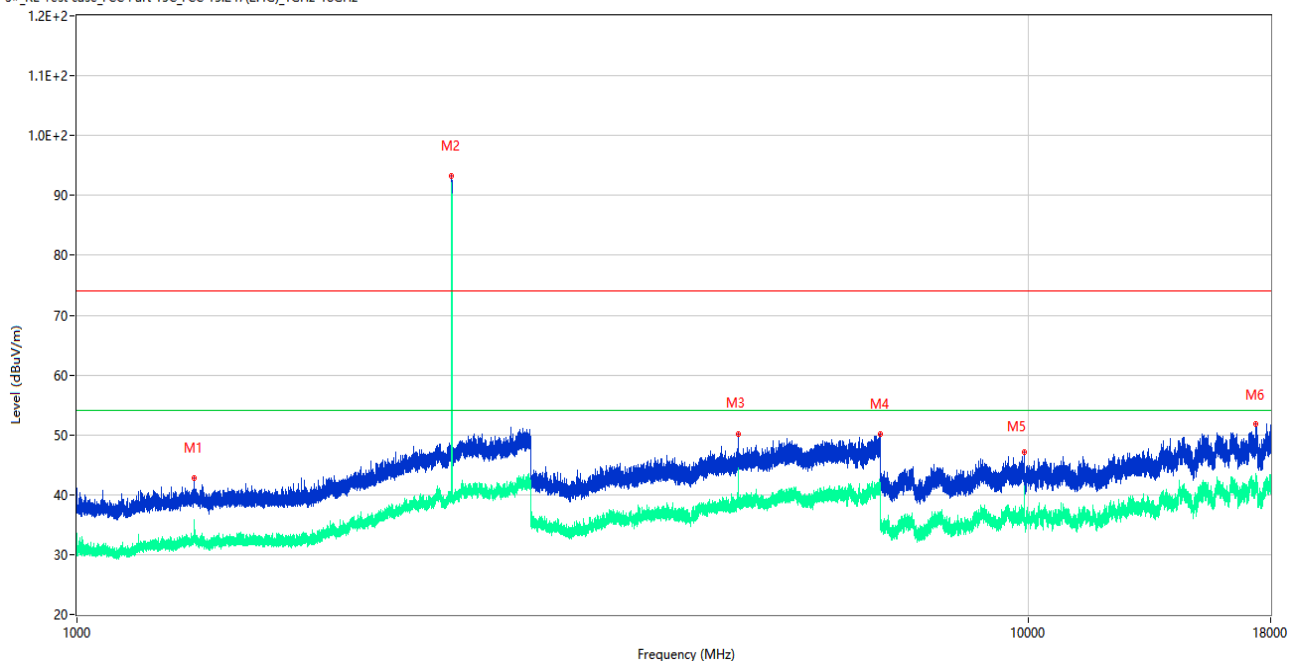
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.500	48.64	74.0	25.36	Peak	244.00	100	Vertical	Pass
1**	1165.500	38.40	54.0	15.60	AV	244.00	100	Vertical	Pass
2	2439.400	89.07	74.0	-15.07	Peak	263.00	150	Vertical	N/A
2**	2439.400	86.32	54.0	-32.32	AV	263.00	150	Vertical	N/A
3	4975.200	48.11	74.0	25.89	Peak	68.00	200	Vertical	Pass
3**	4975.200	39.09	54.0	14.91	AV	68.00	200	Vertical	Pass
4	5659.400	50.48	74.0	23.52	Peak	68.00	300	Vertical	Pass
4**	5659.400	41.12	54.0	12.88	AV	68.00	300	Vertical	Pass
5	12904.088	47.21	74.0	26.79	Peak	338.00	100	Vertical	Pass
5**	12904.088	38.30	54.0	15.70	AV	338.00	100	Vertical	Pass
6	15802.087	51.23	74.0	22.77	Peak	-3.00	300	Vertical	Pass
6**	15802.087	43.20	54.0	10.80	AV	-3.00	300	Vertical	Pass

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

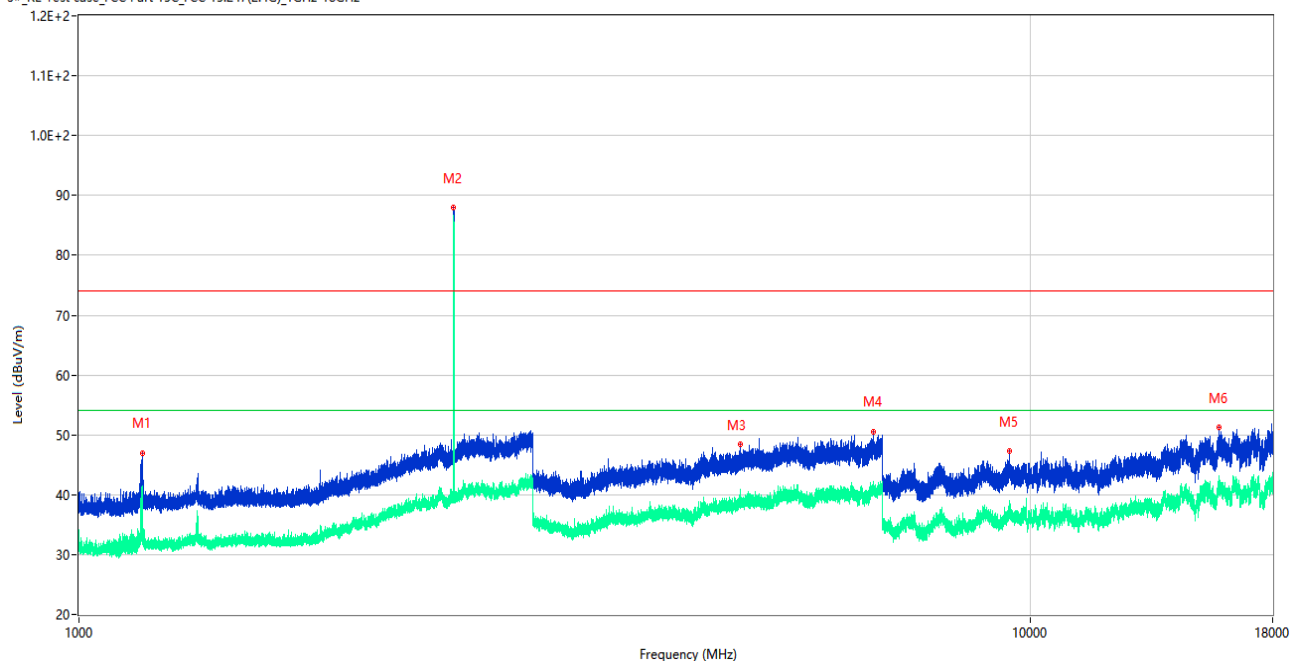
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	42.83	74.0	31.17	Peak	273.00	400	Horizontal	Pass
1**	1327.900	32.91	54.0	21.09	AV	273.00	400	Horizontal	Pass
2	2477.500	93.30	74.0	-19.30	Peak	254.00	150	Horizontal	N/A
2**	2477.500	90.12	54.0	-36.12	AV	254.00	150	Horizontal	N/A
3	4955.000	50.10	74.0	23.90	Peak	220.00	150	Horizontal	Pass
3**	4955.000	43.24	54.0	10.76	AV	220.00	150	Horizontal	Pass
4	6994.800	50.18	74.0	23.82	Peak	169.00	100	Horizontal	Pass
4**	6994.800	41.05	54.0	12.95	AV	169.00	100	Horizontal	Pass
5	9912.088	47.08	74.0	26.92	Peak	103.00	300	Horizontal	Pass
5**	9912.088	40.33	54.0	13.67	AV	103.00	300	Horizontal	Pass
6	17370.526	51.77	74.0	22.23	Peak	307.00	400	Horizontal	Pass
6**	17370.526	41.12	54.0	12.88	AV	307.00	400	Horizontal	Pass

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

3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz

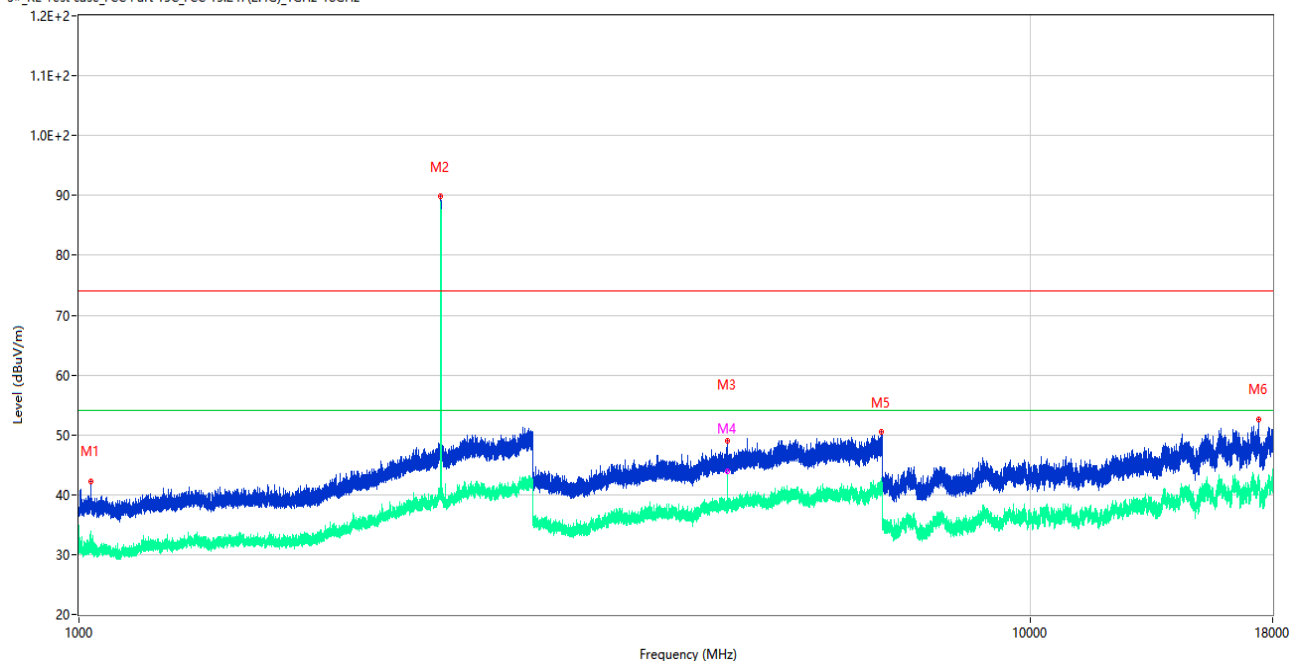


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.400	47.00	74.0	27.00	Peak	86.00	100	Vertical	Pass
1**	1165.400	40.60	54.0	13.40	AV	86.00	100	Vertical	Pass
2	2477.500	87.92	74.0	-13.92	Peak	255.00	150	Vertical	N/A
2**	2477.500	84.90	54.0	-30.90	AV	255.00	150	Vertical	N/A
3	4957.400	48.38	74.0	25.62	Peak	140.00	200	Vertical	Pass
3**	4957.400	39.92	54.0	14.08	AV	140.00	200	Vertical	Pass
4	6840.800	50.50	74.0	23.50	Peak	3.00	300	Vertical	Pass
4**	6840.800	42.23	54.0	11.77	AV	3.00	300	Vertical	Pass
5	9527.125	47.22	74.0	26.78	Peak	361.00	300	Vertical	Pass
5**	9527.125	37.10	54.0	16.90	AV	361.00	300	Vertical	Pass
6	15807.075	51.20	74.0	22.80	Peak	190.00	200	Vertical	Pass
6**	15807.075	42.07	54.0	11.93	AV	190.00	200	Vertical	Pass

Right Ear

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

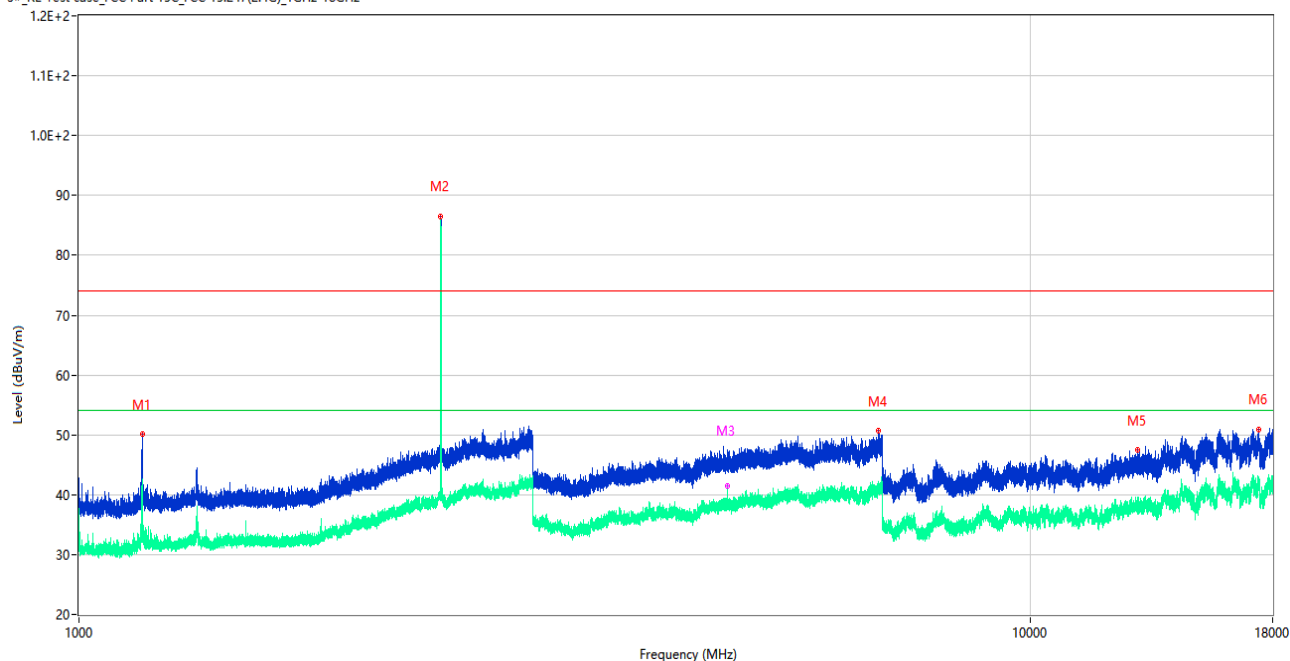
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1030.000	42.24	74.0	31.76	Peak	104.00	400	Horizontal	Pass
1**	1030.000	31.84	54.0	22.16	AV	104.00	400	Horizontal	Pass
2	2402.200	89.84	74.0	-15.84	Peak	316.00	150	Horizontal	N/A
2**	2402.200	88.78	54.0	-34.78	AV	316.00	150	Horizontal	N/A
3	4803.600	48.92	74.0	25.08	Peak	300.00	200	Horizontal	Pass
3**	4803.600	42.45	54.0	11.55	AV	300.00	200	Horizontal	Pass
4	4804.200	48.29	74.0	25.71	Peak	244.00	150	Horizontal	Pass
4**	4804.200	43.97	54.0	10.03	AV	244.00	150	Horizontal	Pass
5	6983.200	50.45	74.0	23.55	Peak	244.00	100	Horizontal	Pass
5**	6983.200	40.66	54.0	13.34	AV	244.00	100	Horizontal	Pass
6	17389.687	52.65	74.0	21.35	Peak	263.00	200	Horizontal	Pass
6**	17389.687	41.93	54.0	12.07	AV	263.00	200	Horizontal	Pass

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

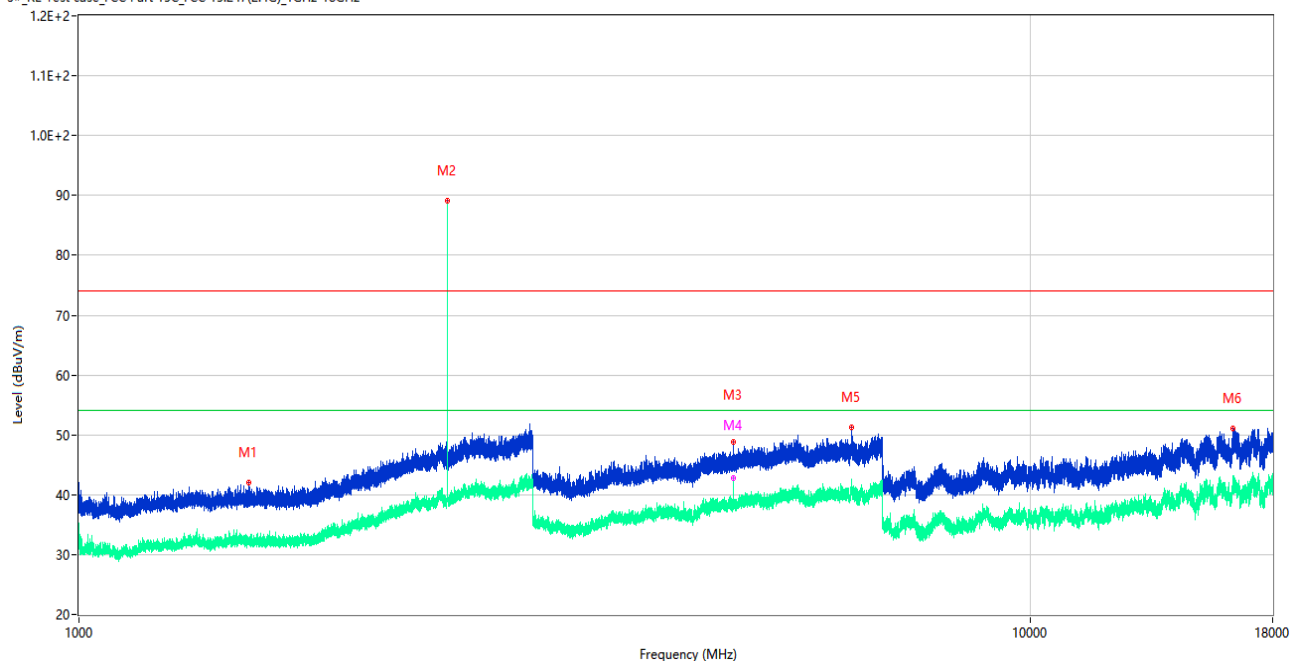
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.200	50.05	74.0	23.95	Peak	51.00	200	Vertical	Pass
1**	1166.200	42.53	54.0	11.47	AV	51.00	200	Vertical	Pass
2	2402.100	86.49	74.0	-12.49	Peak	126.00	200	Vertical	N/A
2**	2402.100	85.06	54.0	-31.06	AV	126.00	200	Vertical	N/A
3	4804.400	46.93	74.0	27.07	Peak	360.00	150	Vertical	Pass
3**	4804.400	41.39	54.0	12.61	AV	360.00	150	Vertical	Pass
4	6930.200	50.60	74.0	23.40	Peak	205.00	200	Vertical	Pass
4**	6930.200	41.14	54.0	12.86	AV	205.00	200	Vertical	Pass
5	12981.000	47.43	74.0	26.57	Peak	304.00	400	Vertical	Pass
5**	12981.000	38.12	54.0	15.88	AV	304.00	400	Vertical	Pass
6	17393.363	50.97	74.0	23.03	Peak	227.00	200	Vertical	Pass
6**	17393.363	41.70	54.0	12.30	AV	227.00	200	Vertical	Pass

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

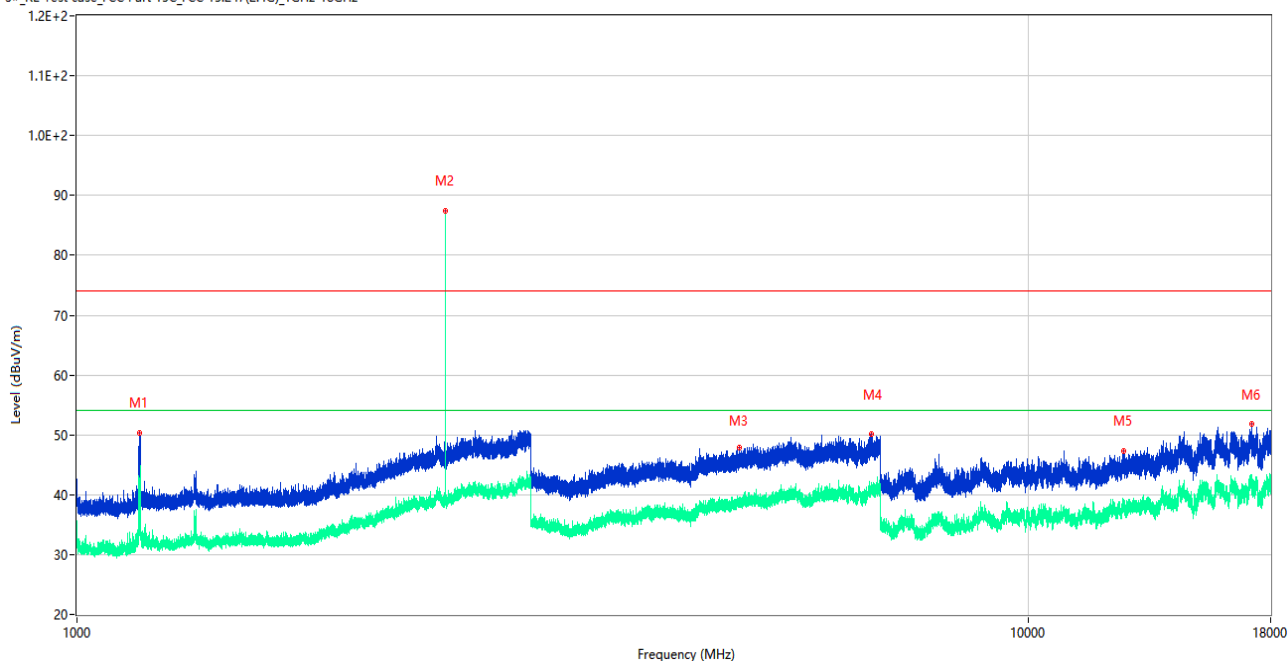
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.500	42.04	74.0	31.96	Peak	182.00	200	Horizontal	Pass
1**	1508.500	32.42	54.0	21.58	AV	182.00	200	Horizontal	Pass
2	2440.200	89.20	74.0	-15.20	Peak	263.00	200	Horizontal	N/A
2**	2440.200	88.21	54.0	-34.21	AV	263.00	200	Horizontal	N/A
3	4879.400	48.81	74.0	25.19	Peak	233.00	100	Horizontal	Pass
3**	4879.400	40.51	54.0	13.49	AV	233.00	100	Horizontal	Pass
4	4879.600	47.55	74.0	26.45	Peak	279.00	150	Horizontal	Pass
4**	4879.600	42.87	54.0	11.13	AV	279.00	150	Horizontal	Pass
5	6492.000	51.30	74.0	22.70	Peak	107.00	300	Horizontal	Pass
5**	6492.000	41.11	54.0	12.89	AV	107.00	300	Horizontal	Pass
6	16355.438	51.11	74.0	22.89	Peak	155.00	200	Horizontal	Pass
6**	16355.438	41.98	54.0	12.02	AV	155.00	200	Horizontal	Pass

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

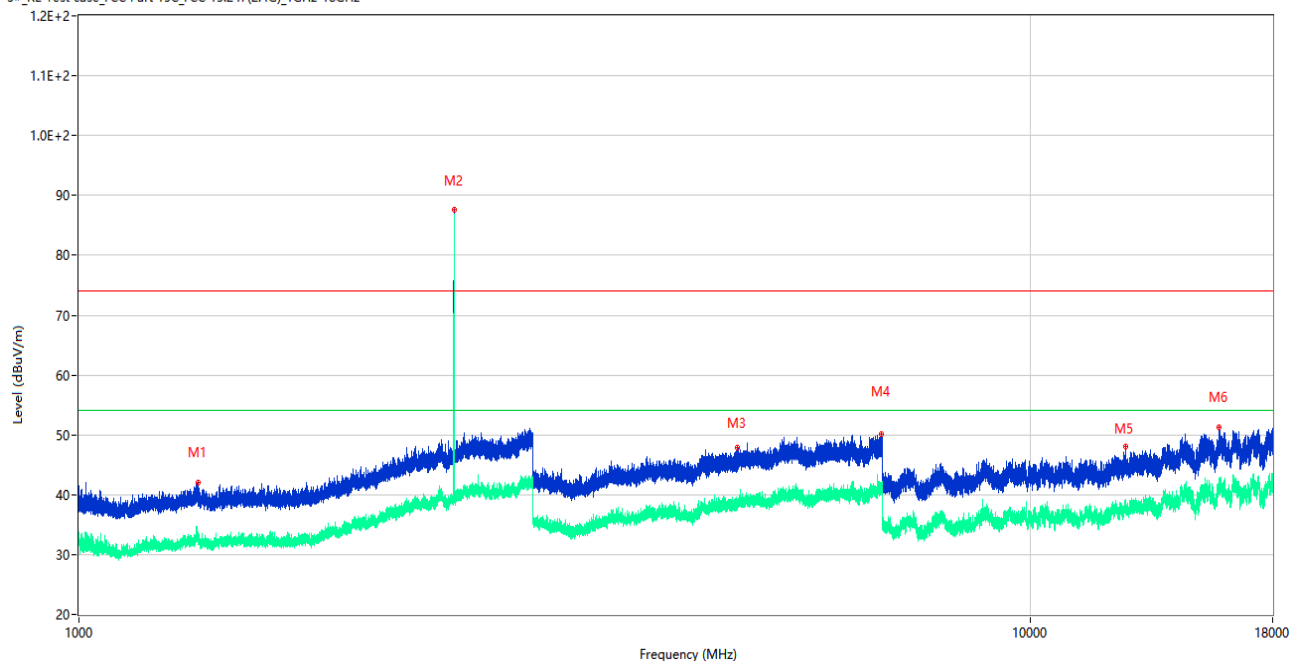
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.900	50.34	74.0	23.66	Peak	32.00	300	Vertical	Pass
1**	1163.900	41.69	54.0	12.31	AV	32.00	300	Vertical	Pass
2	2439.800	87.49	74.0	-13.49	Peak	122.00	150	Vertical	N/A
2**	2439.800	86.05	54.0	-32.05	AV	122.00	150	Vertical	N/A
3	4977.400	47.94	74.0	26.06	Peak	130.00	200	Vertical	Pass
3**	4977.400	38.23	54.0	15.77	AV	130.00	200	Vertical	Pass
4	6843.200	50.15	74.0	23.85	Peak	118.00	400	Vertical	Pass
4**	6843.200	40.88	54.0	13.12	AV	118.00	400	Vertical	Pass
5	12605.388	47.36	74.0	26.64	Peak	255.00	200	Vertical	Pass
5**	12605.388	37.99	54.0	16.01	AV	255.00	200	Vertical	Pass
6	17179.162	51.80	74.0	22.20	Peak	310.00	400	Vertical	Pass
6**	17179.162	42.16	54.0	11.84	AV	310.00	400	Vertical	Pass

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

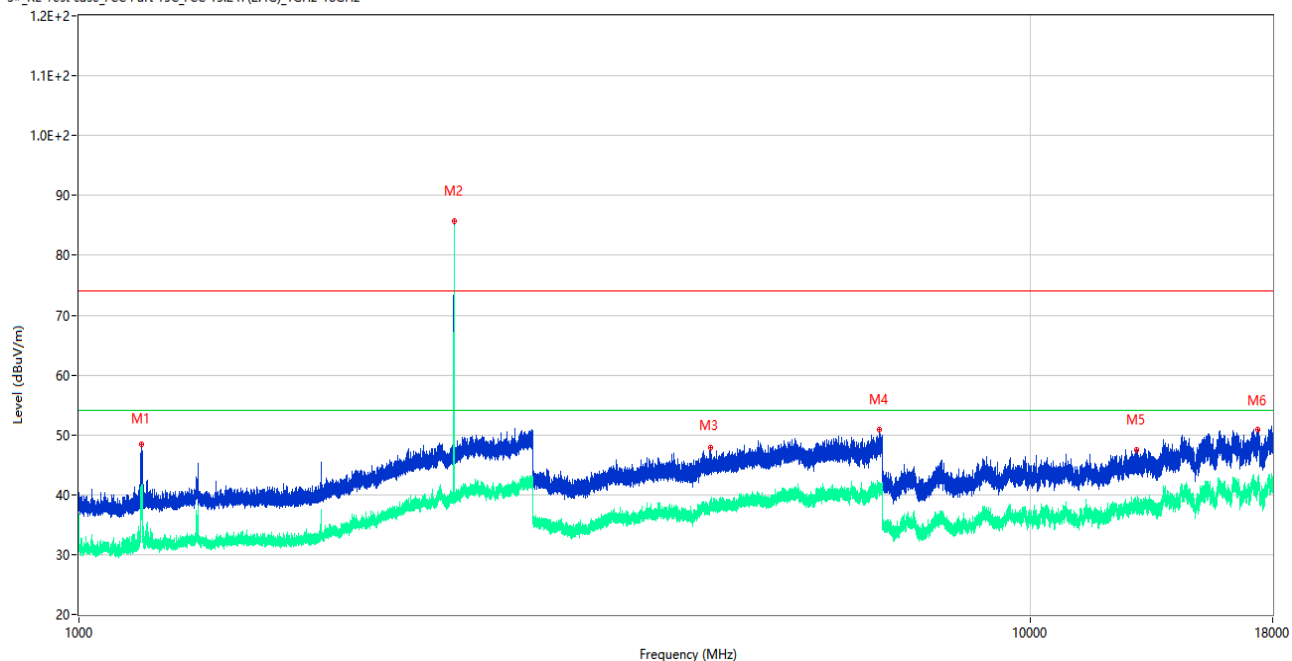
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.100	42.09	74.0	31.91	Peak	92.00	300	Horizontal	Pass
1**	1333.100	33.27	54.0	20.73	AV	92.00	300	Horizontal	Pass
2	2480.200	87.53	74.0	-13.53	Peak	307.00	100	Horizontal	N/A
2**	2480.200	86.47	54.0	-32.47	AV	307.00	100	Horizontal	N/A
3	4923.600	47.93	74.0	26.07	Peak	165.00	200	Horizontal	Pass
3**	4923.600	37.82	54.0	16.18	AV	165.00	200	Horizontal	Pass
4	6978.800	50.11	74.0	23.89	Peak	153.00	400	Horizontal	Pass
4**	6978.800	41.32	54.0	12.68	AV	153.00	400	Horizontal	Pass
5	12601.650	48.03	74.0	25.97	Peak	79.00	200	Horizontal	Pass
5**	12601.650	37.44	54.0	16.56	AV	79.00	200	Horizontal	Pass
6	15803.138	51.30	74.0	22.70	Peak	233.00	400	Horizontal	Pass
6**	15803.138	41.79	54.0	12.21	AV	233.00	400	Horizontal	Pass

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

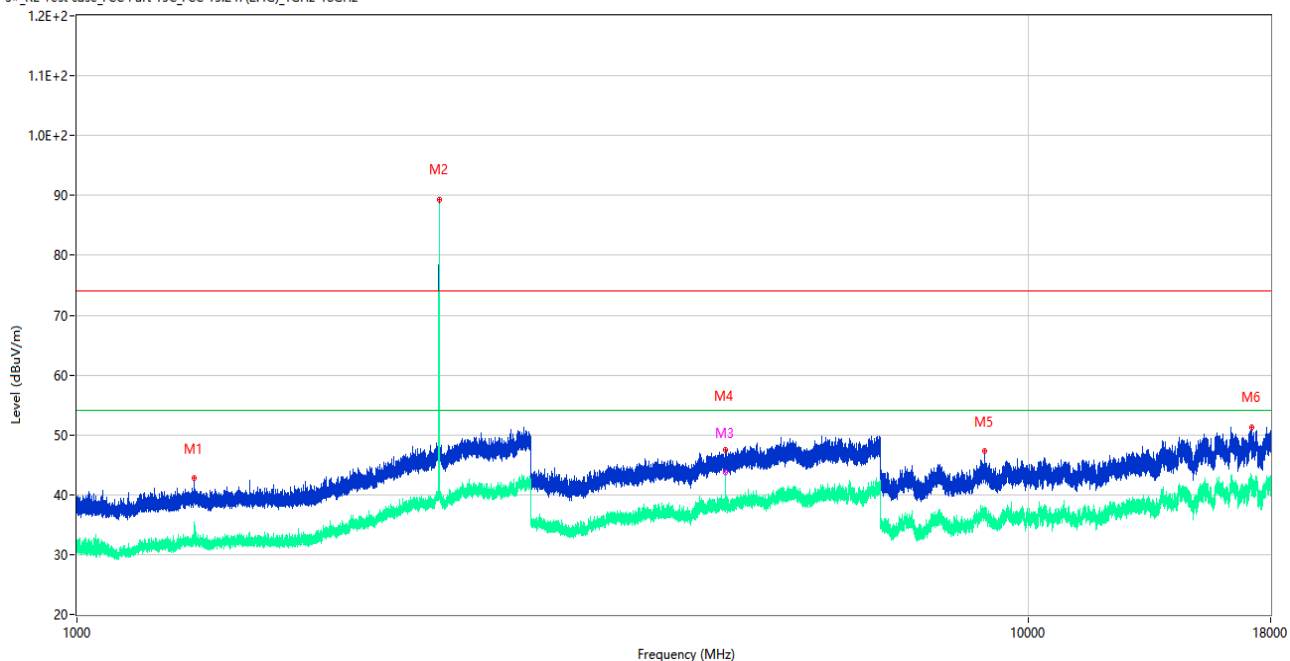
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.100	48.50	74.0	25.50	Peak	41.00	100	Vertical	Pass
1**	1164.100	36.51	54.0	17.49	AV	41.00	100	Vertical	Pass
2	2479.800	85.74	74.0	-11.74	Peak	122.00	100	Vertical	N/A
2**	2479.800	84.21	54.0	-30.21	AV	122.00	100	Vertical	N/A
3	4613.800	47.81	74.0	26.19	Peak	42.00	150	Vertical	Pass
3**	4613.800	37.69	54.0	16.31	AV	42.00	150	Vertical	Pass
4	6950.200	50.95	74.0	23.05	Peak	201.00	400	Vertical	Pass
4**	6950.200	40.98	54.0	13.02	AV	201.00	400	Vertical	Pass
5	12937.687	47.50	74.0	26.50	Peak	360.00	100	Vertical	Pass
5**	12937.687	38.88	54.0	15.12	AV	360.00	100	Vertical	Pass
6	17380.762	50.86	74.0	23.14	Peak	175.00	200	Vertical	Pass
6**	17380.762	41.16	54.0	12.84	AV	175.00	200	Vertical	Pass

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

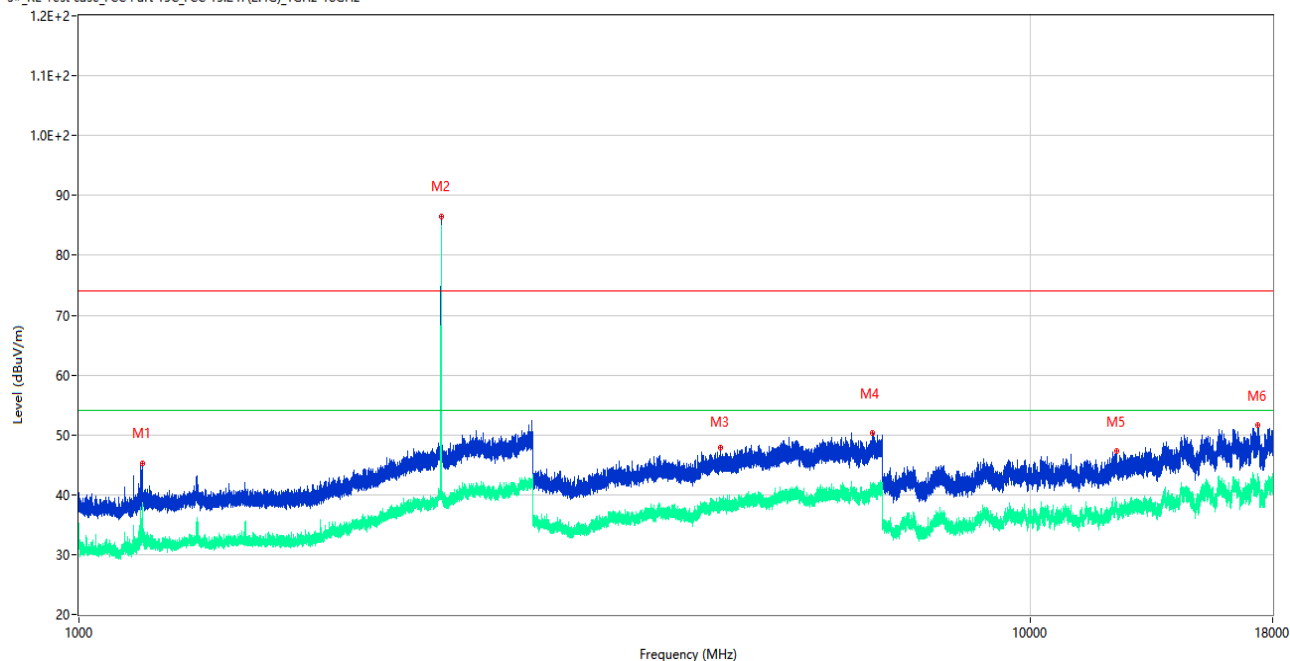
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.500	42.76	74.0	31.24	Peak	262.00	100	Horizontal	Pass
1**	1329.500	32.62	54.0	21.38	AV	262.00	100	Horizontal	Pass
2	2404.400	89.33	74.0	-15.33	Peak	299.00	200	Horizontal	N/A
2**	2404.400	86.64	54.0	-32.64	AV	299.00	200	Horizontal	N/A
3	4808.400	46.61	74.0	27.39	Peak	316.00	150	Horizontal	Pass
3**	4808.400	43.66	54.0	10.34	AV	316.00	150	Horizontal	Pass
4	4809.200	47.52	74.0	26.48	Peak	304.00	150	Horizontal	Pass
4**	4809.200	42.01	54.0	11.99	AV	304.00	150	Horizontal	Pass
5	9014.799	47.21	74.0	26.79	Peak	360.00	400	Horizontal	Pass
5**	9014.799	37.16	54.0	16.84	AV	360.00	400	Horizontal	Pass
6	17202.000	51.25	74.0	22.75	Peak	116.00	400	Horizontal	Pass
6**	17202.000	41.73	54.0	12.27	AV	116.00	400	Horizontal	Pass

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

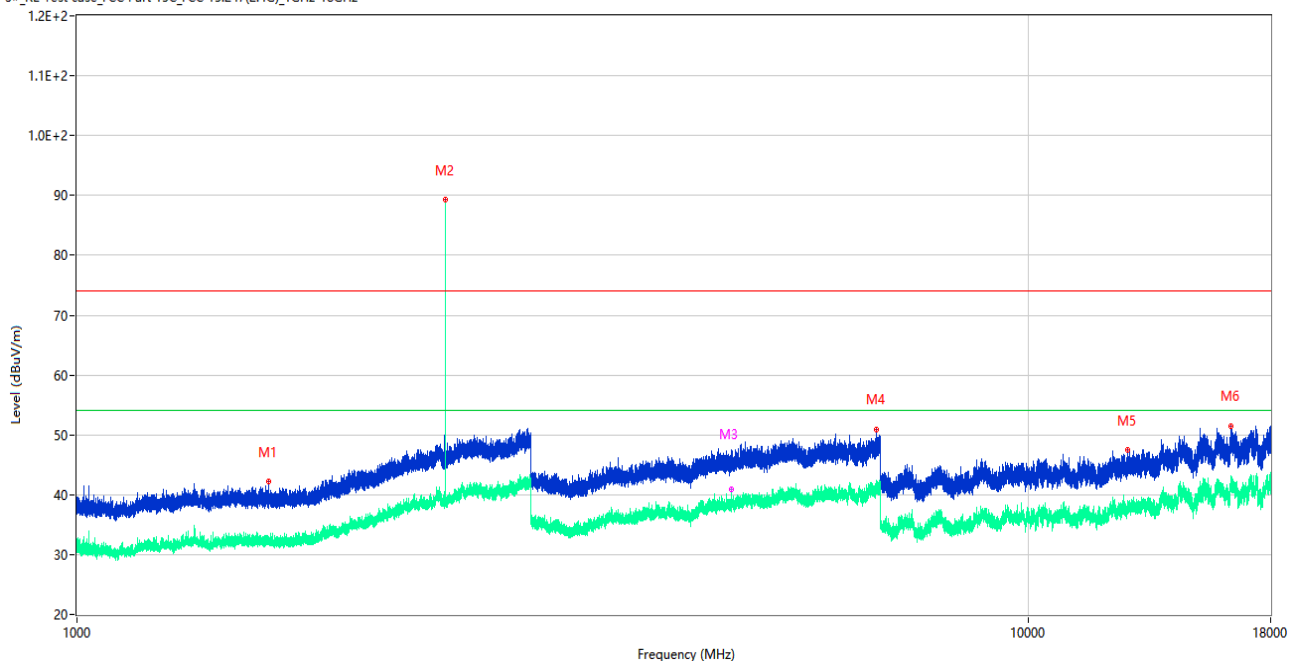
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.400	45.30	74.0	28.70	Peak	35.00	200	Vertical	Pass
1**	1167.400	35.48	54.0	18.52	AV	35.00	200	Vertical	Pass
2	2403.400	86.48	74.0	-12.48	Peak	116.00	100	Vertical	N/A
2**	2403.400	83.34	54.0	-29.34	AV	116.00	100	Vertical	N/A
3	4731.400	47.92	74.0	26.08	Peak	1.00	150	Vertical	Pass
3**	4731.400	38.07	54.0	15.93	AV	1.00	150	Vertical	Pass
4	6833.800	50.39	74.0	23.61	Peak	328.00	100	Vertical	Pass
4**	6833.800	40.62	54.0	13.38	AV	328.00	100	Vertical	Pass
5	12326.513	47.24	74.0	26.76	Peak	47.00	300	Vertical	Pass
5**	12326.513	38.20	54.0	15.80	AV	47.00	300	Vertical	Pass
6	17371.050	51.55	74.0	22.45	Peak	58.00	200	Vertical	Pass
6**	17371.050	41.22	54.0	12.78	AV	58.00	200	Vertical	Pass

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

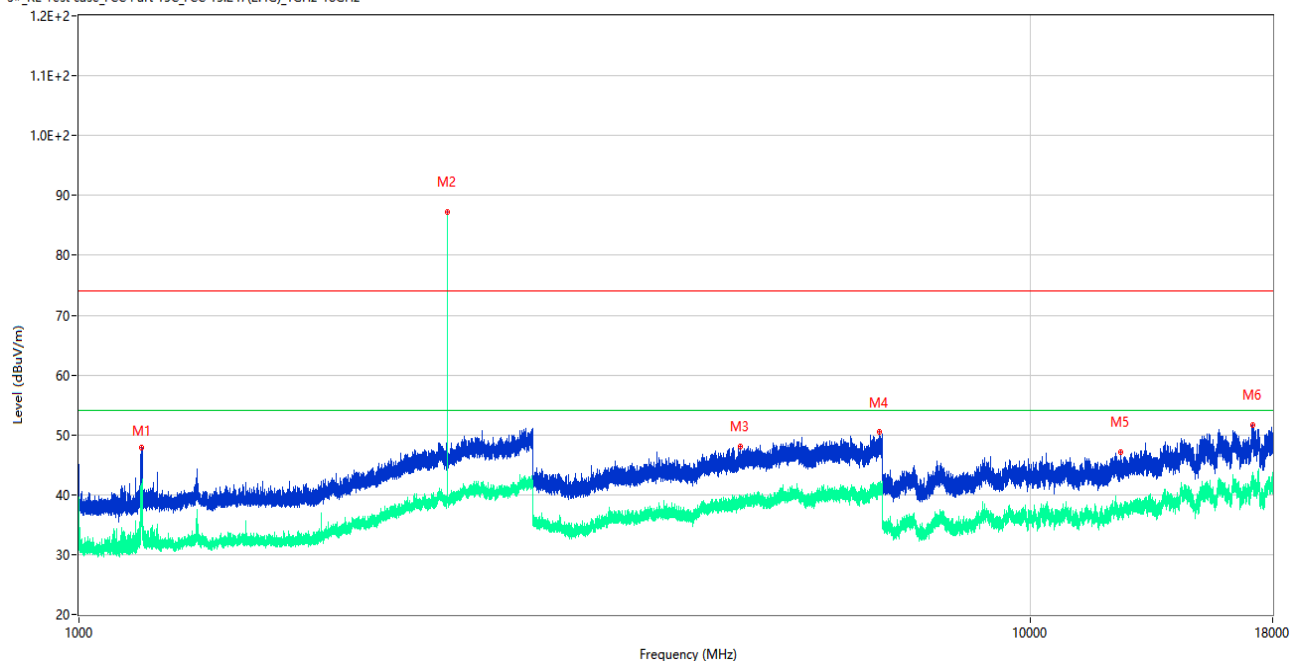
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.500	42.18	74.0	31.82	Peak	133.00	300	Horizontal	Pass
1**	1590.500	32.71	54.0	21.29	AV	133.00	300	Horizontal	Pass
2	2439.500	89.22	74.0	-15.22	Peak	269.00	150	Horizontal	N/A
2**	2439.500	88.39	54.0	-34.39	AV	269.00	150	Horizontal	N/A
3	4879.200	46.00	74.0	28.00	Peak	319.00	150	Horizontal	Pass
3**	4879.200	40.98	54.0	13.02	AV	319.00	150	Horizontal	Pass
4	6930.200	50.90	74.0	23.10	Peak	219.00	400	Horizontal	Pass
4**	6930.200	42.12	54.0	11.88	AV	219.00	400	Horizontal	Pass
5	12722.688	47.43	74.0	26.57	Peak	120.00	200	Horizontal	Pass
5**	12722.688	38.18	54.0	15.82	AV	120.00	200	Horizontal	Pass
6	16351.500	51.44	74.0	22.56	Peak	31.00	400	Horizontal	Pass
6**	16351.500	42.27	54.0	11.73	AV	31.00	400	Horizontal	Pass

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

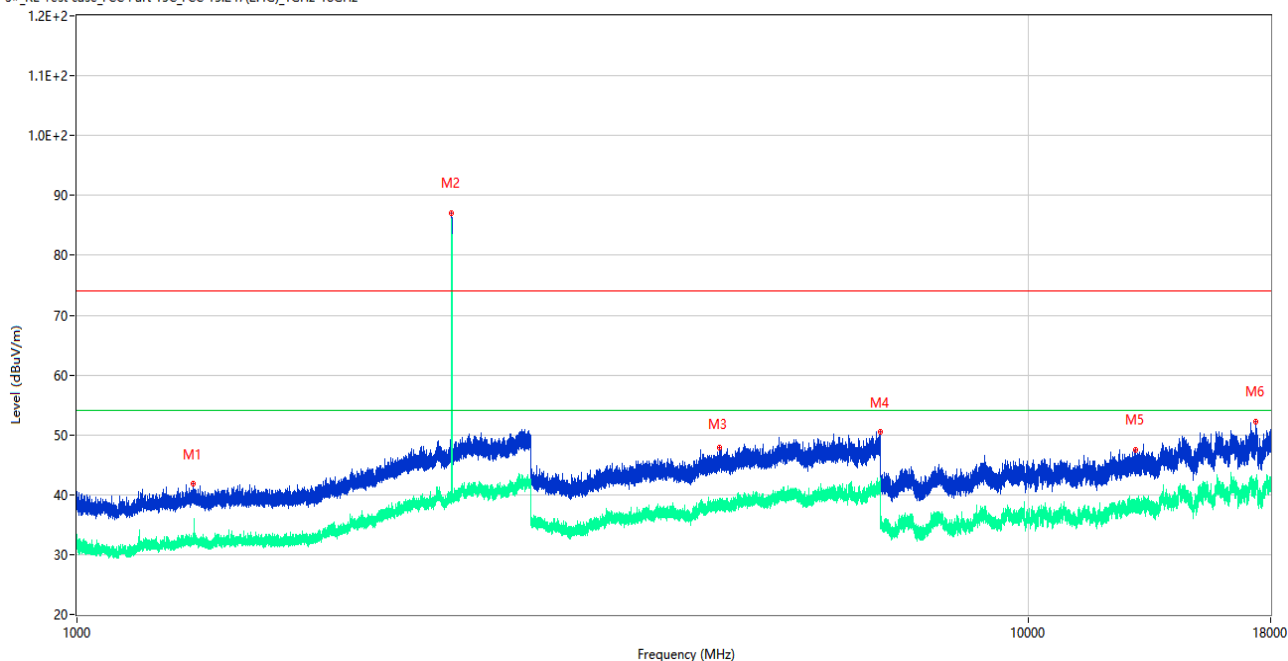
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.400	47.90	74.0	26.10	Peak	55.00	400	Vertical	Pass
1**	1164.400	37.06	54.0	16.94	AV	55.00	400	Vertical	Pass
2	2439.500	87.32	74.0	-13.32	Peak	118.00	100	Vertical	N/A
2**	2439.500	85.77	54.0	-31.77	AV	118.00	100	Vertical	N/A
3	4958.000	48.10	74.0	25.90	Peak	167.00	100	Vertical	Pass
3**	4958.000	38.52	54.0	15.48	AV	167.00	100	Vertical	Pass
4	6937.800	50.47	74.0	23.53	Peak	155.00	300	Vertical	Pass
4**	6937.800	39.92	54.0	14.08	AV	155.00	300	Vertical	Pass
5	12455.026	47.16	74.0	26.84	Peak	359.00	400	Vertical	Pass
5**	12455.026	37.91	54.0	16.09	AV	359.00	400	Vertical	Pass
6	17159.999	51.63	74.0	22.37	Peak	118.00	100	Vertical	Pass
6**	17159.999	42.11	54.0	11.89	AV	118.00	100	Vertical	Pass

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

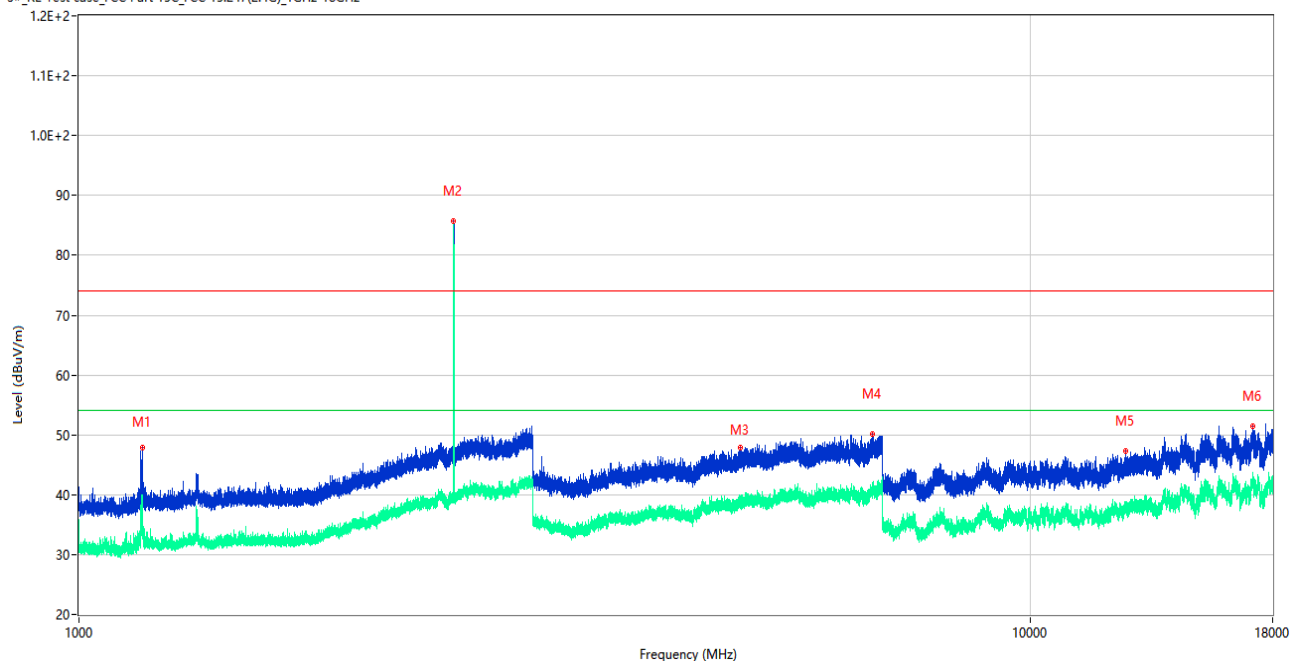
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1324.700	41.77	74.0	32.23	Peak	360.00	200	Horizontal	Pass
1**	1324.700	32.18	54.0	21.82	AV	360.00	200	Horizontal	Pass
2	2478.000	87.07	74.0	-13.07	Peak	308.00	200	Horizontal	N/A
2**	2478.000	85.14	54.0	-31.14	AV	308.00	200	Horizontal	N/A
3	4743.600	47.90	74.0	26.10	Peak	119.00	200	Horizontal	Pass
3**	4743.600	38.40	54.0	15.60	AV	119.00	200	Horizontal	Pass
4	6999.600	50.49	74.0	23.51	Peak	186.00	200	Horizontal	Pass
4**	6999.600	42.74	54.0	11.26	AV	186.00	200	Horizontal	Pass
5	12982.050	47.53	74.0	26.47	Peak	321.00	100	Horizontal	Pass
5**	12982.050	37.63	54.0	16.37	AV	321.00	100	Horizontal	Pass
6	17372.101	52.27	74.0	21.73	Peak	109.00	100	Horizontal	Pass
6**	17372.101	42.16	54.0	11.84	AV	109.00	100	Horizontal	Pass

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

3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.200	47.87	74.0	26.13	Peak	30.00	300	Vertical	Pass
1**	1165.200	33.63	54.0	20.37	AV	30.00	300	Vertical	Pass
2	2477.500	85.79	74.0	-11.79	Peak	126.00	200	Vertical	N/A
2**	2477.500	82.37	54.0	-28.37	AV	126.00	200	Vertical	N/A
3	4958.800	47.91	74.0	26.09	Peak	57.00	200	Vertical	Pass
3**	4958.800	38.96	54.0	15.04	AV	57.00	200	Vertical	Pass
4	6834.400	50.04	74.0	23.96	Peak	359.00	200	Vertical	Pass
4**	6834.400	40.89	54.0	13.11	AV	359.00	200	Vertical	Pass
5	12601.650	47.32	74.0	26.68	Peak	123.00	200	Vertical	Pass
5**	12601.650	38.14	54.0	15.86	AV	123.00	200	Vertical	Pass
6	17143.463	51.54	74.0	22.46	Peak	283.00	400	Vertical	Pass
6**	17143.463	41.83	54.0	12.17	AV	283.00	400	Vertical	Pass

5.8 Band Edge (Restricted-band band-edge)

5.8.1 Limit

FCC §15.209&15.247(d)

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.8.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX A.

5.8.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

For transmitters operating above 1 GHz repeat the measurement with an average detector.

5.8.4 Test Result

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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

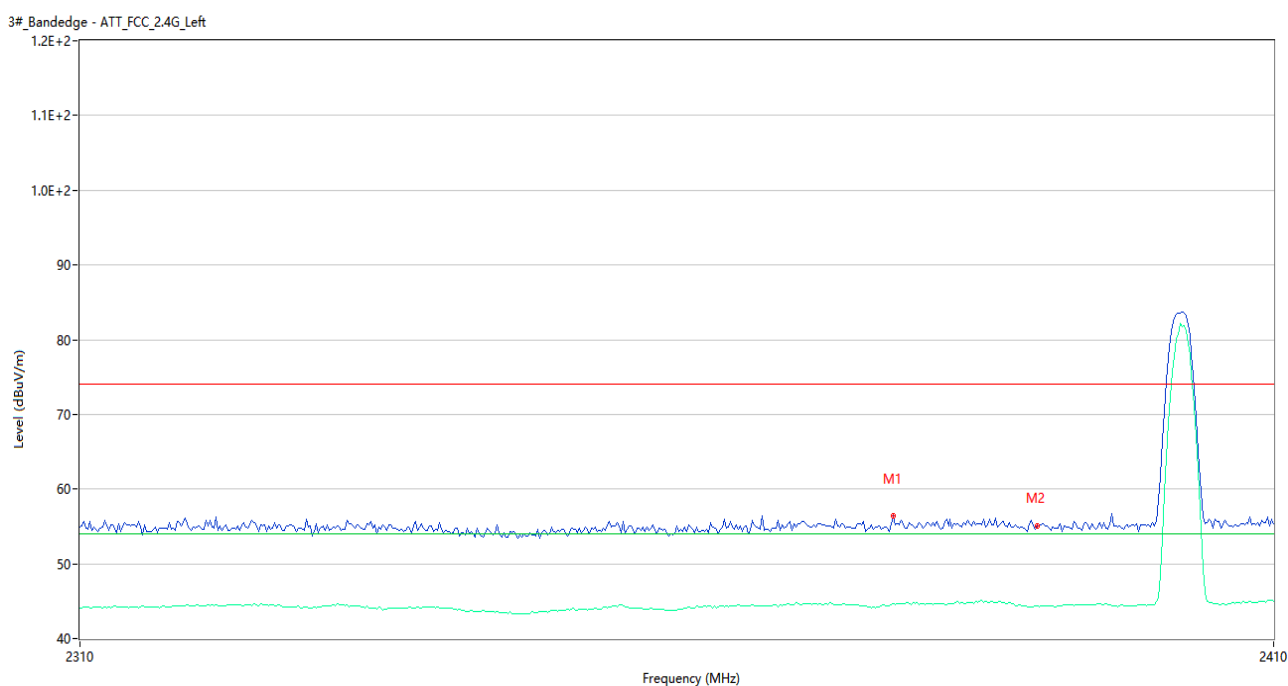
Note⁴: The Level (dBuV/m) has been corrected by factor.

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

Test Data and Plots

Left Ear

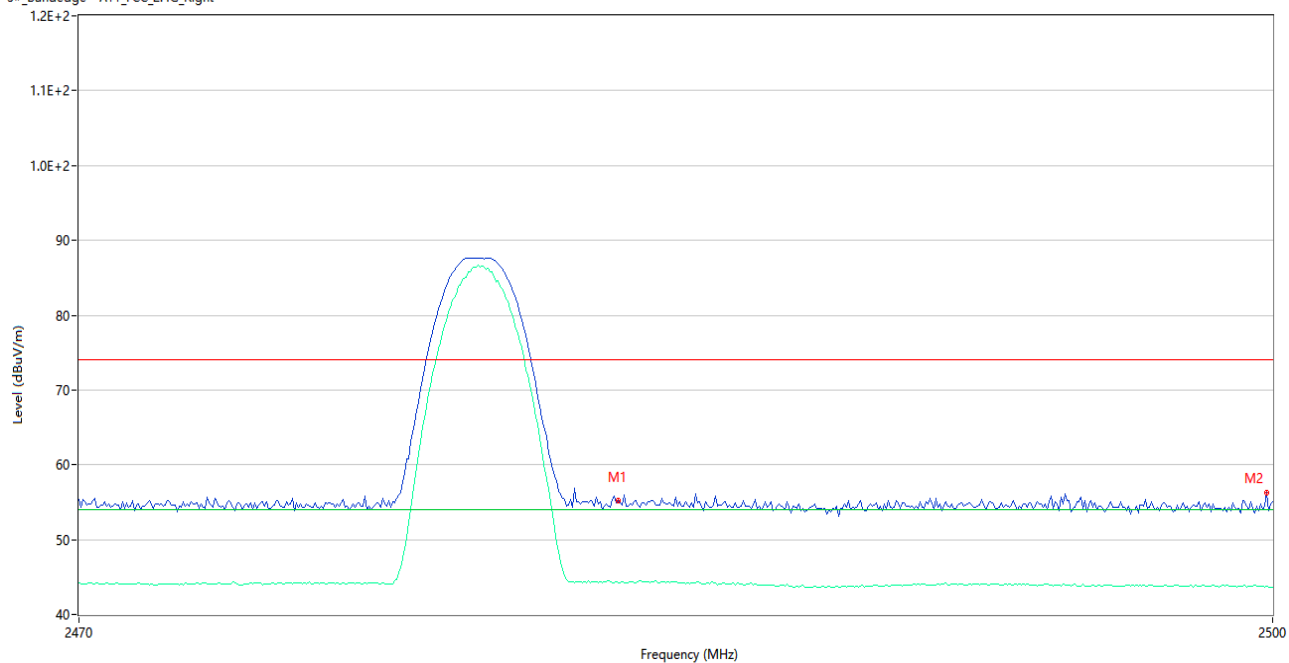
GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2377.667	56.44	74.0	17.56	Peak	248.00	200	Horizontal	Pass
1**	2377.667	44.71	54.0	9.29	AV	248.00	200	Horizontal	Pass
2	2389.833	55.08	74.0	18.92	Peak	279.00	200	Horizontal	Pass
2**	2389.833	44.33	54.0	9.67	AV	279.00	200	Horizontal	Pass

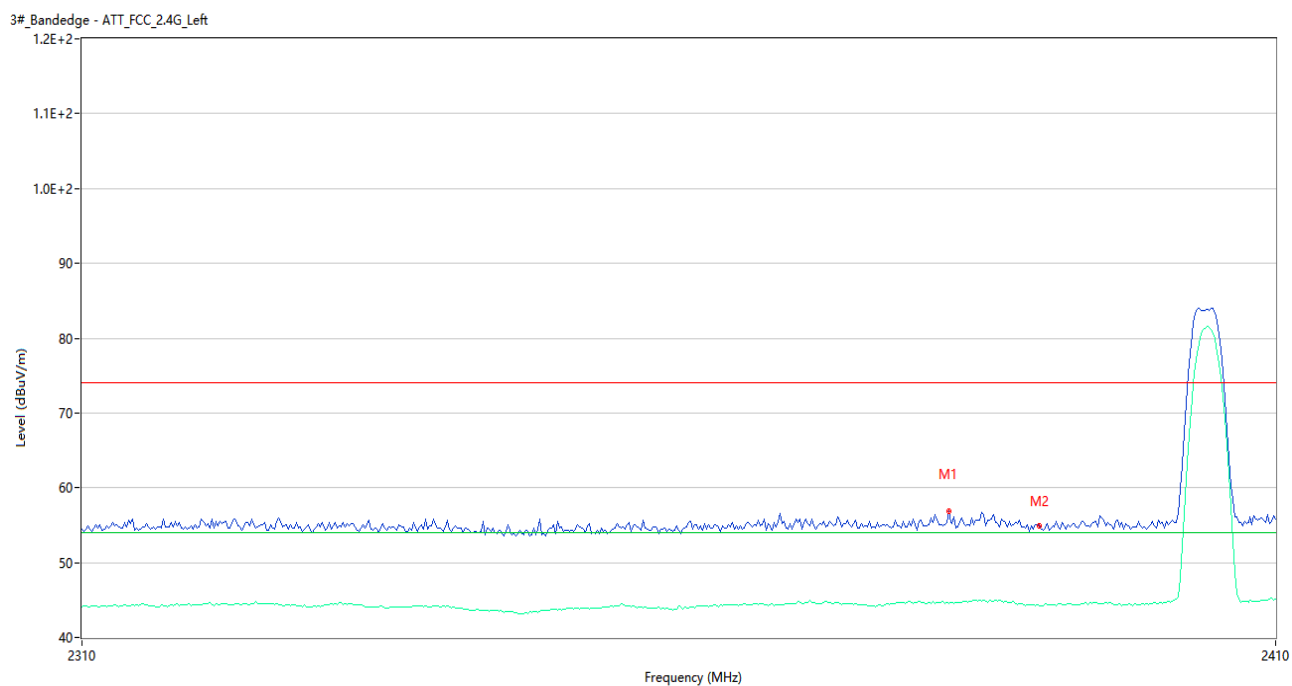
GFSK (BLE 1Mbps) HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



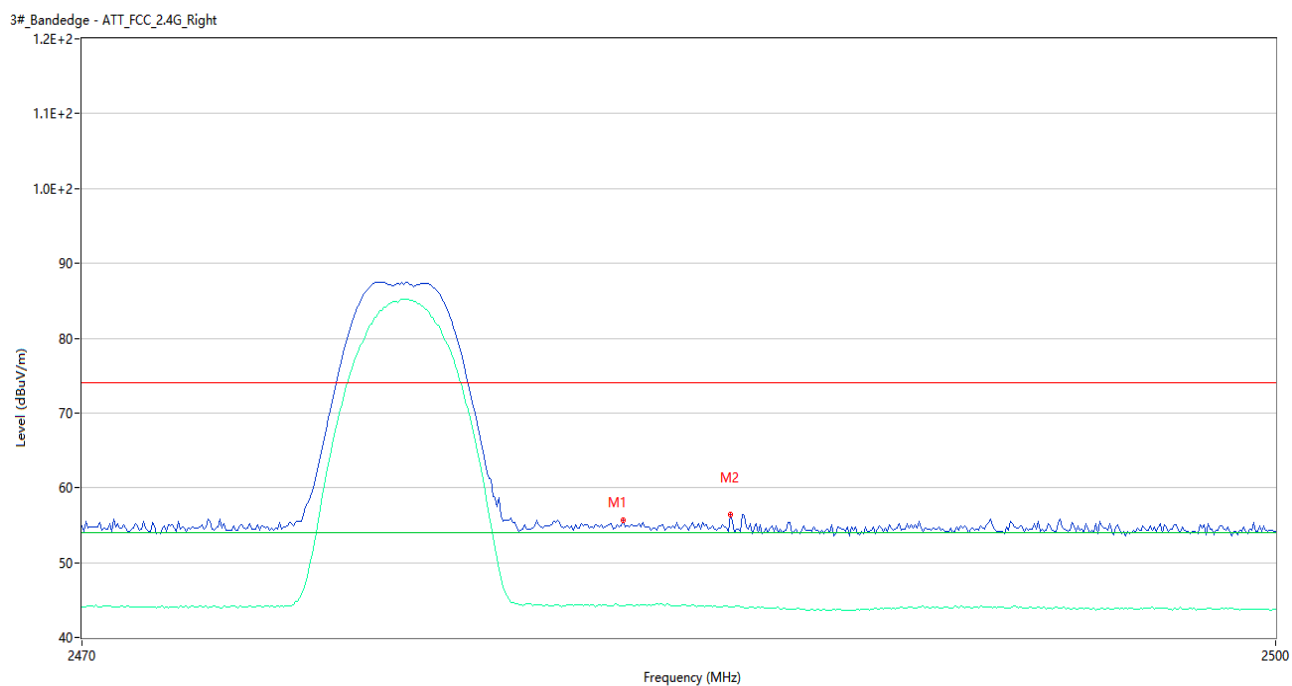
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.19	74.0	18.81	Peak	316.00	100	Horizontal	Pass
1**	2483.500	44.24	54.0	9.76	AV	316.00	100	Horizontal	Pass
2	2499.850	56.30	74.0	17.70	Peak	174.00	100	Horizontal	Pass
2**	2499.850	43.84	54.0	10.16	AV	174.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2382.167	56.89	74.0	17.11	Peak	321.00	150	Horizontal	Pass
1**	2382.167	44.54	54.0	9.46	AV	321.00	150	Horizontal	Pass
2	2389.833	54.91	74.0	19.09	Peak	1.00	100	Horizontal	Pass
2**	2389.833	44.22	54.0	9.78	AV	1.00	100	Horizontal	Pass

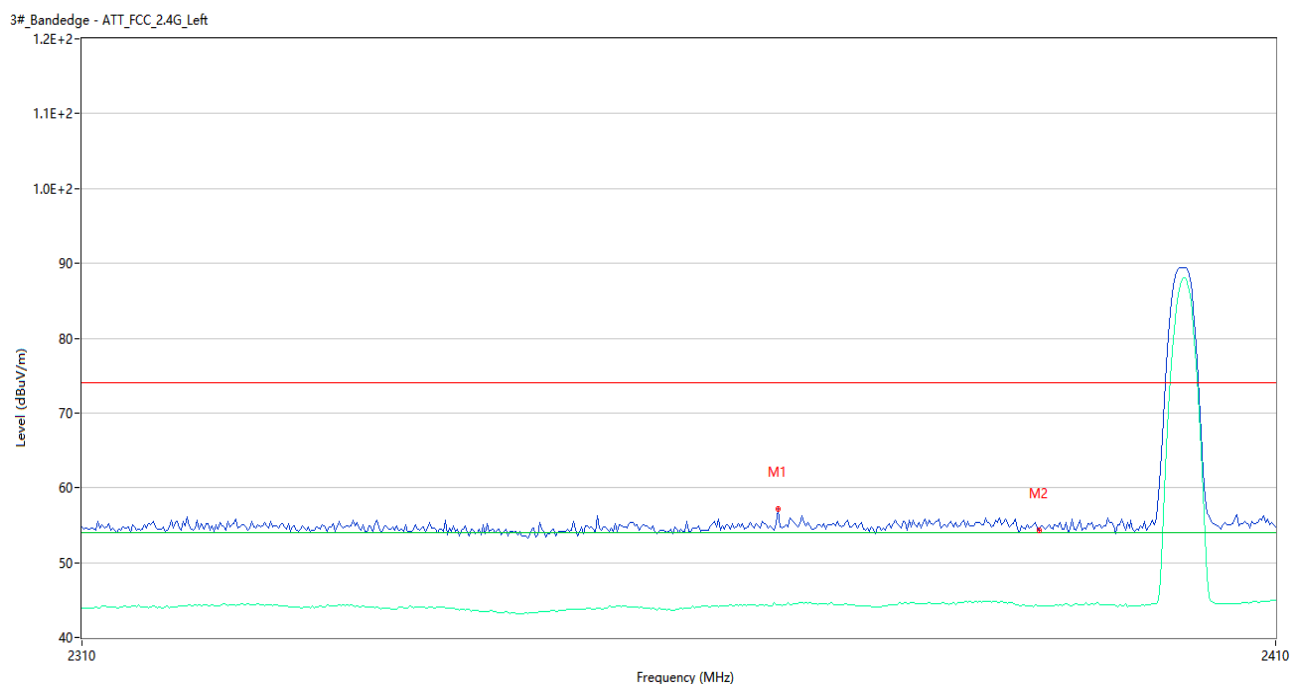
GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.68	74.0	18.32	Peak	20.00	100	Horizontal	Pass
1**	2483.550	44.26	54.0	9.74	AV	20.00	100	Horizontal	Pass
2	2486.250	56.45	74.0	17.55	Peak	360.00	200	Horizontal	Pass
2**	2486.250	44.05	54.0	9.95	AV	360.00	200	Horizontal	Pass

Right Ear

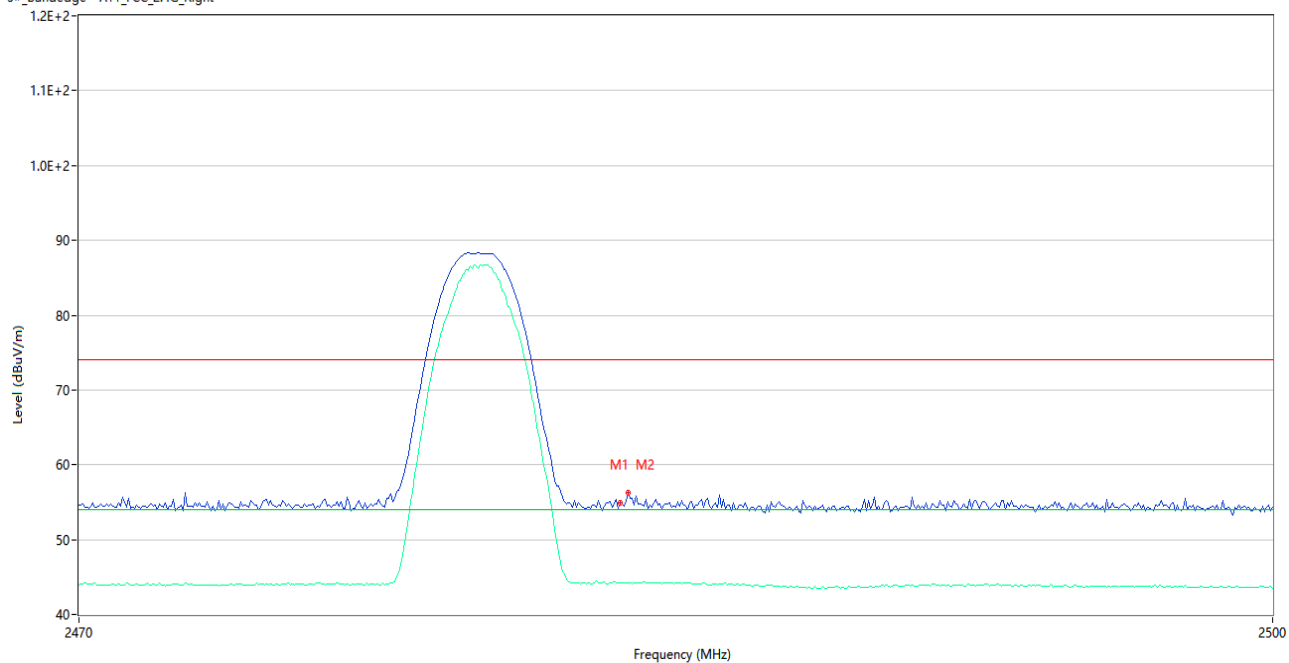
GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2367.833	57.15	74.0	16.85	Peak	88.00	200	Horizontal	Pass
1**	2367.833	44.33	54.0	9.67	AV	88.00	200	Horizontal	Pass
2	2389.833	54.25	74.0	19.75	Peak	45.00	200	Horizontal	Pass
2**	2389.833	44.21	54.0	9.79	AV	45.00	200	Horizontal	Pass

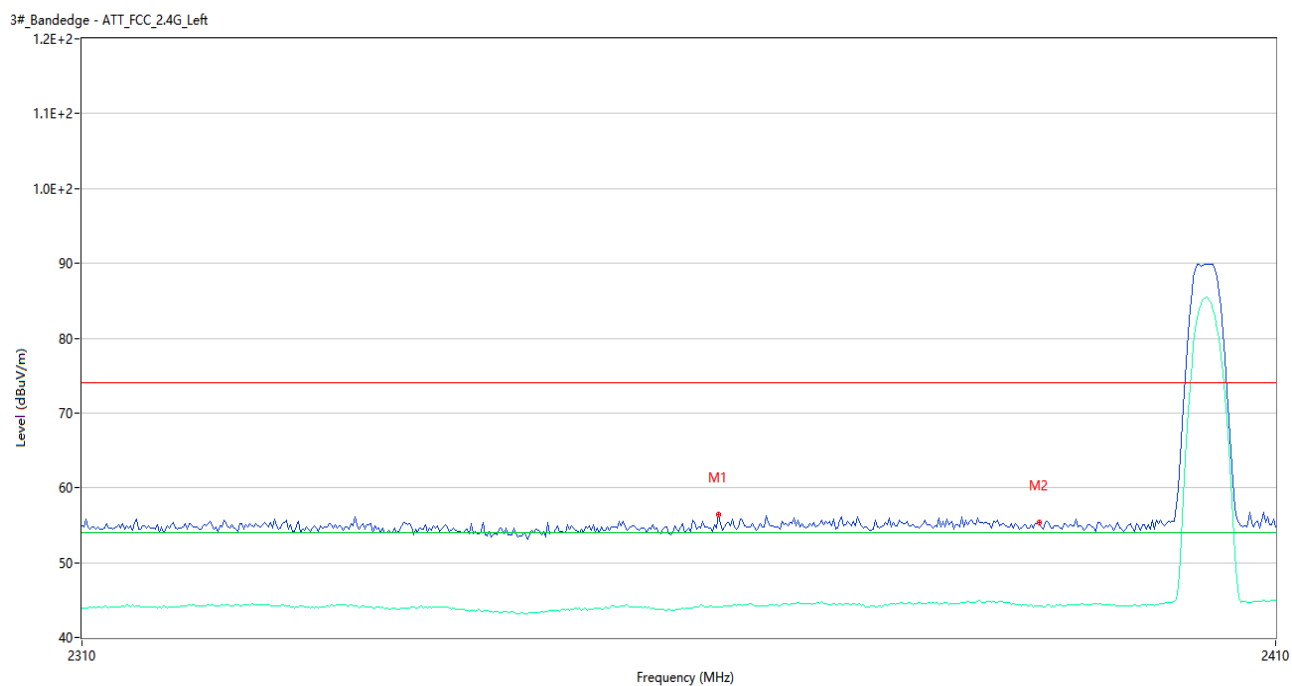
GFSK (BLE 1Mbps) HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	54.97	74.0	19.03	Peak	44.00	200	Horizontal	Pass
1**	2483.550	44.16	54.0	9.84	AV	44.00	200	Horizontal	Pass
2	2483.750	56.21	74.0	17.79	Peak	37.00	200	Horizontal	Pass
2**	2483.750	44.28	54.0	9.72	AV	37.00	200	Horizontal	Pass

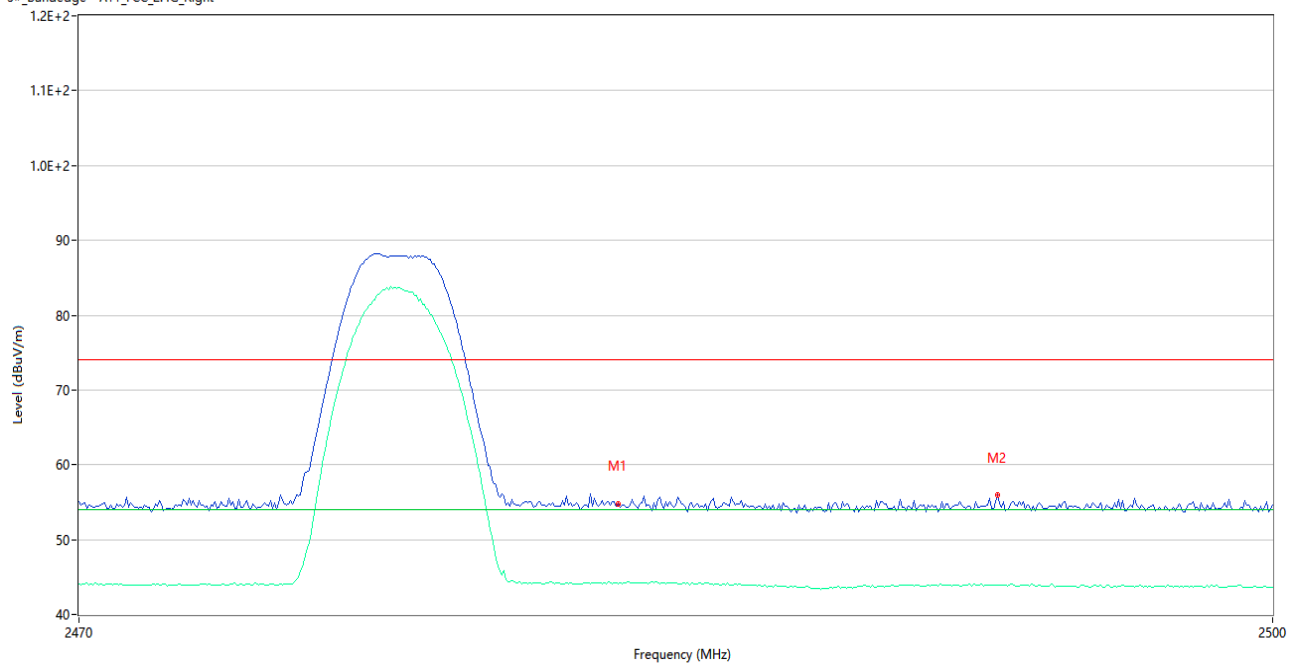
GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2362.833	56.38	74.0	17.62	Peak	139.00	150	Horizontal	Pass
1**	2362.833	44.11	54.0	9.89	AV	139.00	150	Horizontal	Pass
2	2389.833	55.41	74.0	18.59	Peak	113.00	200	Horizontal	Pass
2**	2389.833	44.21	54.0	9.79	AV	113.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.82	74.0	19.18	Peak	290.00	200	Horizontal	Pass
1**	2483.500	44.07	54.0	9.93	AV	290.00	200	Horizontal	Pass
2	2493.050	55.91	74.0	18.09	Peak	315.00	200	Horizontal	Pass
2**	2493.050	43.93	54.0	10.07	AV	315.00	200	Horizontal	Pass

5.9 Power Spectral density (PSD)

5.9.1 Limit

FCC §15.247(e)

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of Section 5.4(4), (i.e. the power spectral density shall be determined using the same method as is used to determine the conducted output power).

5.9.2 Test Setup

See section 4.5.1 (Diagram 1) for test setup description for the antenna port. The photo of test setup please refer to ANNEX A.

5.9.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

Set the VBW $\geq 3 \text{ RBW}$.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.9.4 Test Result

Test DataLeft Ear

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-20.41	8	Pass
Middle Channel	-19.23	8	Pass
High Channel	-18.35	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-22.23	8	Pass
Middle Channel	-21.49	8	Pass
High Channel	-20.53	8	Pass

Right Ear

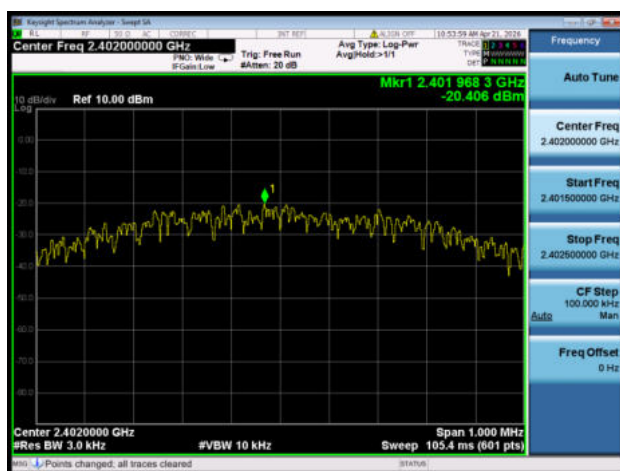
GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-18.00	8	Pass
Middle Channel	-18.24	8	Pass
High Channel	-17.30	8	Pass

GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-20.67	8	Pass
Middle Channel	-20.50	8	Pass
High Channel	-20.05	8	Pass

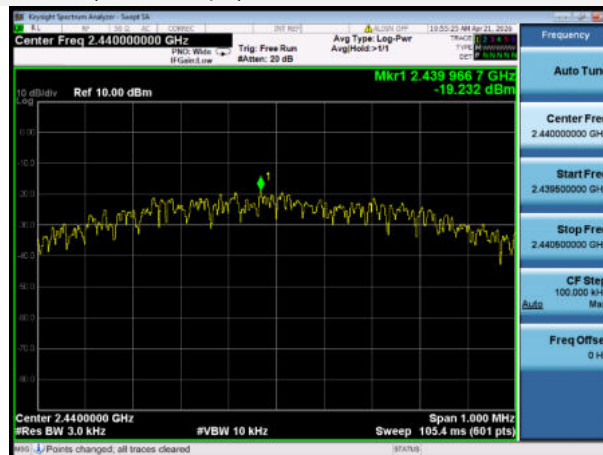
Test Plots

Left Ear

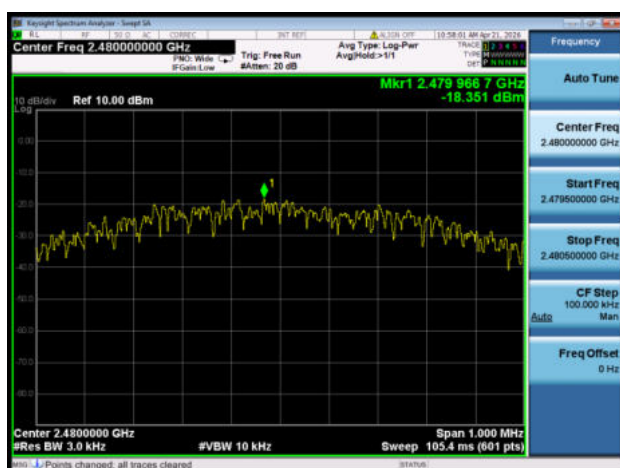
GFSK (BLE 1Mbps) LOW CHANNEL



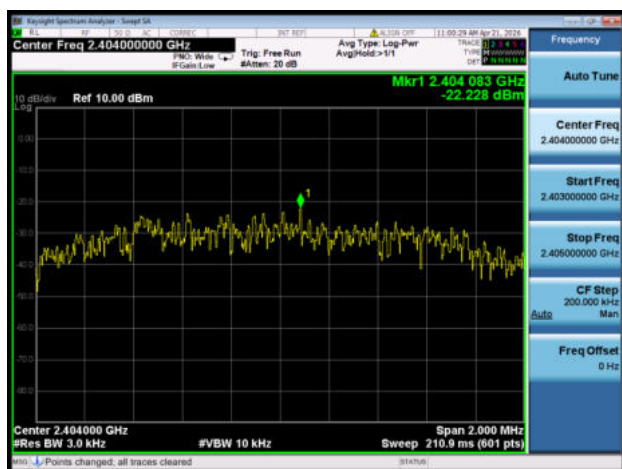
GFSK (BLE 1Mbps) MIDDLE CHANNEL



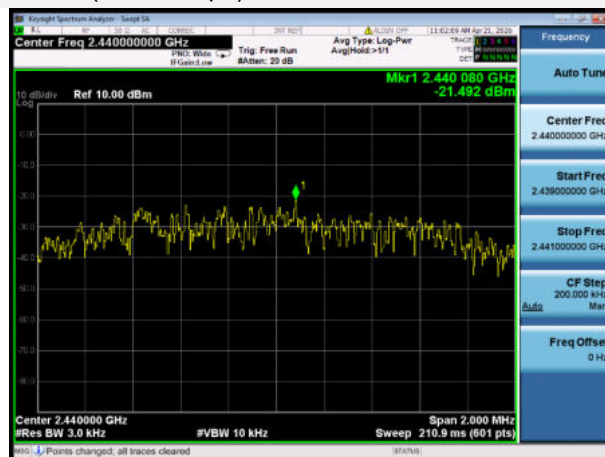
GFSK (BLE 1Mbps) HIGH CHANNEL



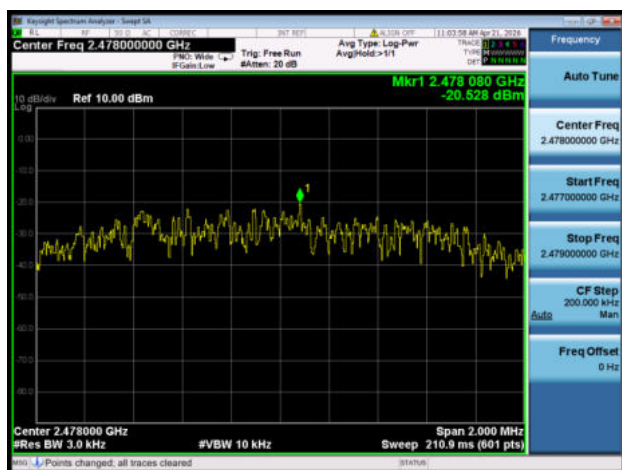
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL

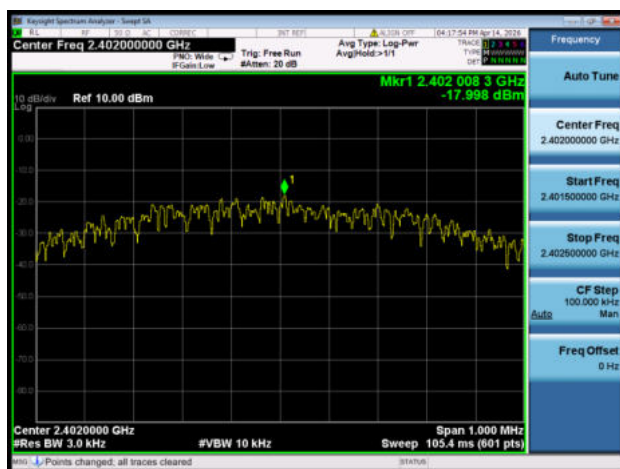


GFSK (BLE 2Mbps) HIGH CHANNEL

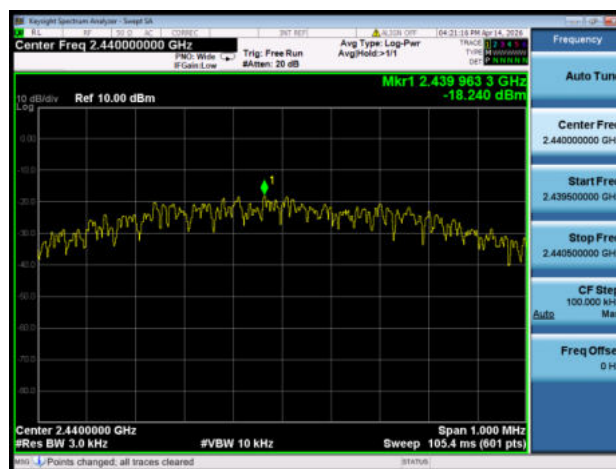


Right Ear

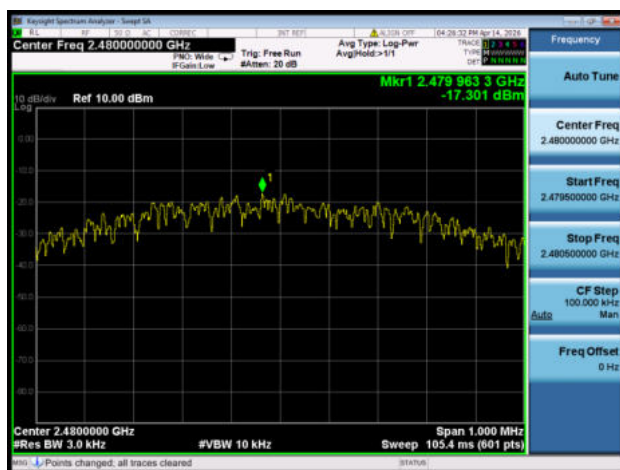
GFSK (BLE 1Mbps) LOW CHANNEL



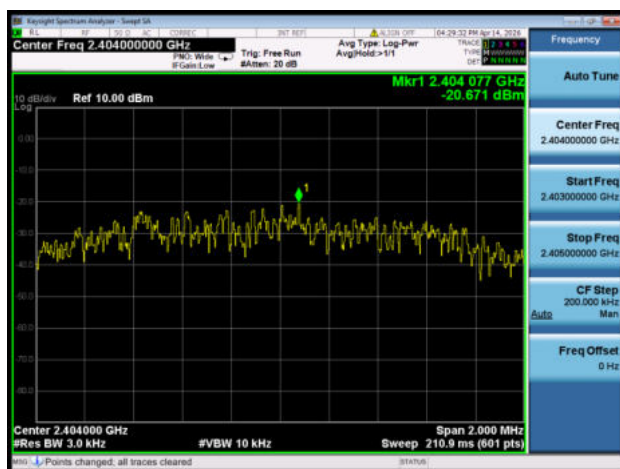
GFSK (BLE 1Mbps) MIDDLE CHANNEL



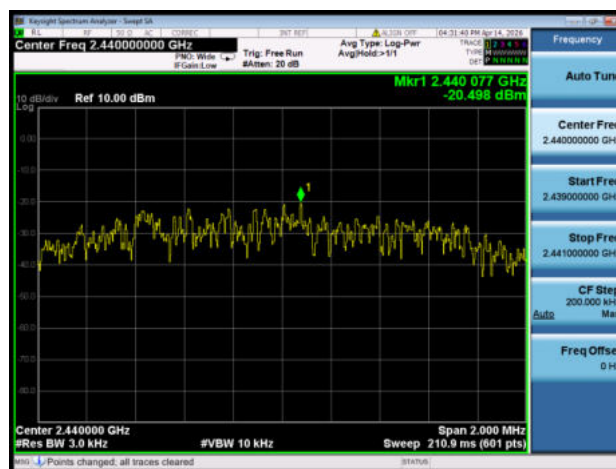
GFSK (BLE 1Mbps) HIGH CHANNEL



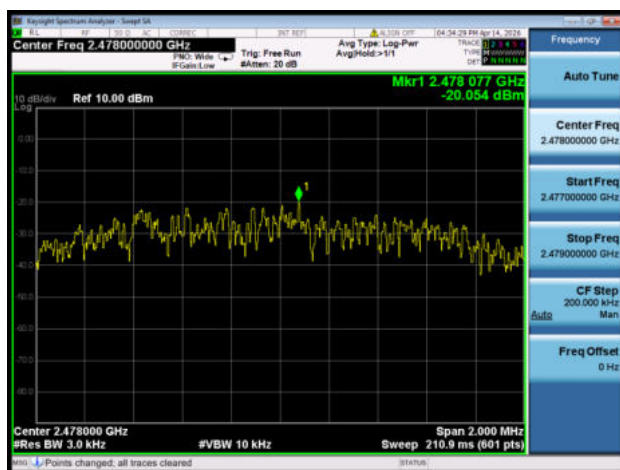
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



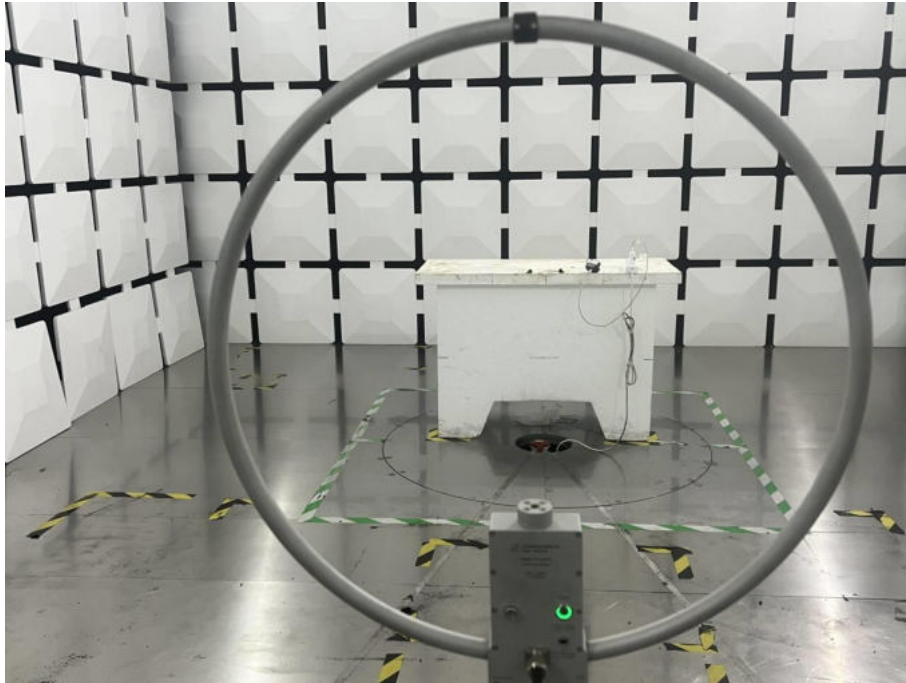
GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX A TEST SETUP PHOTOS

1 Radiated Test Photo

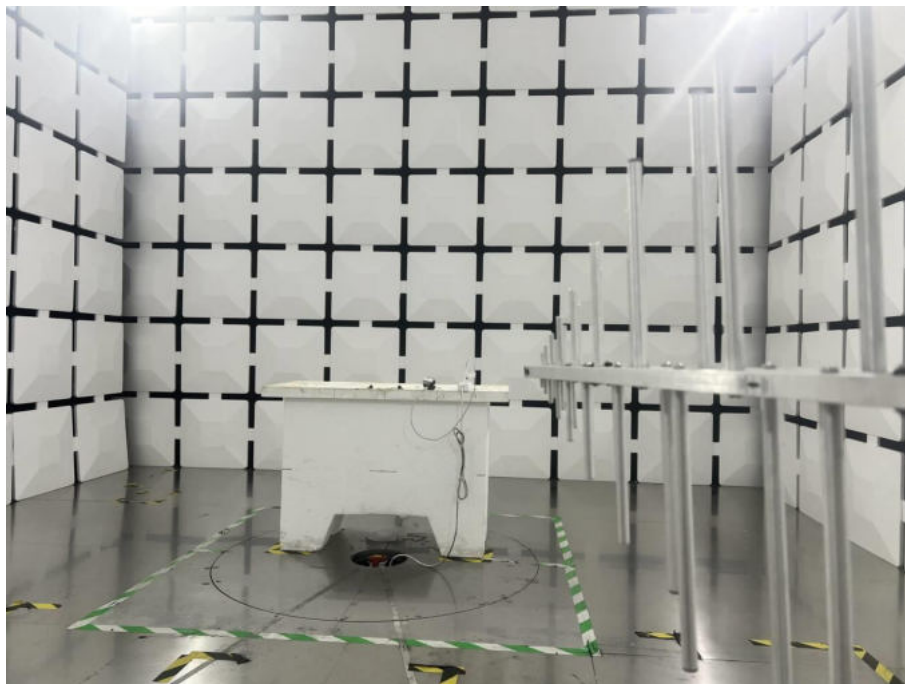
Below 30MHz



Close-up



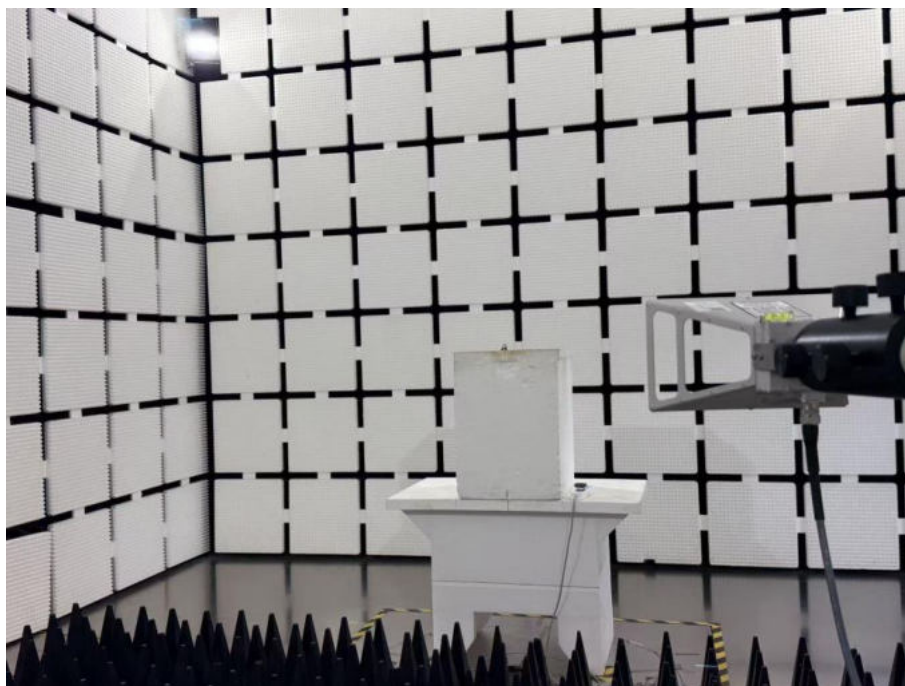
30MHz-1GHz



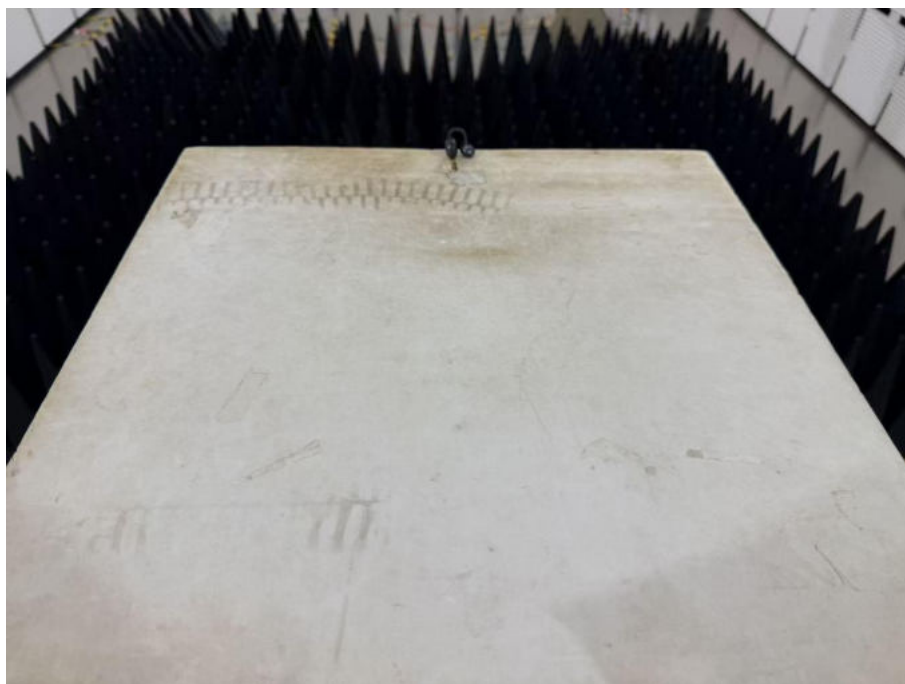
Close-up



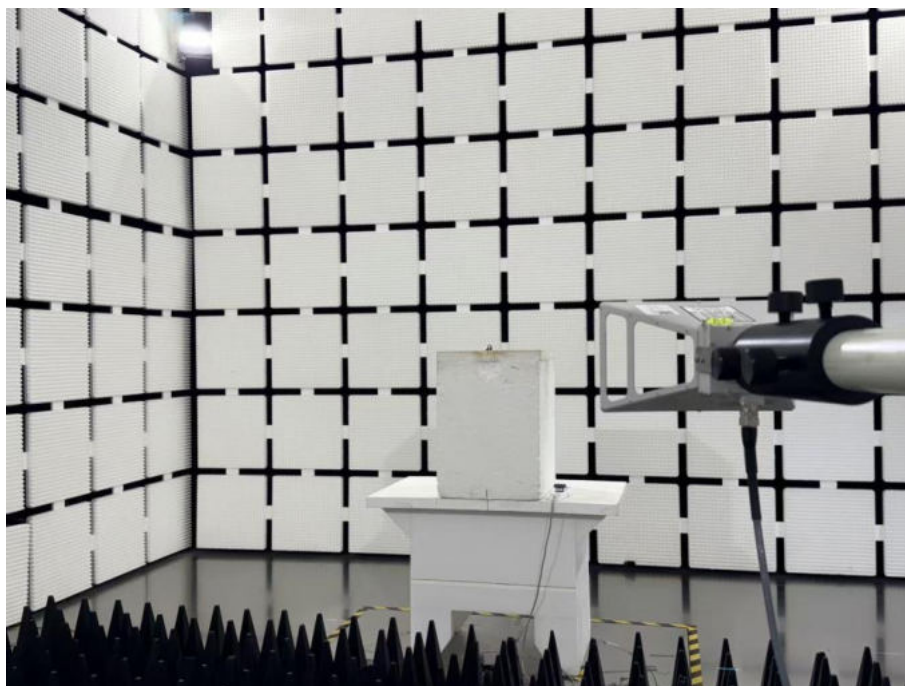
Above 1GHz-Left Ear



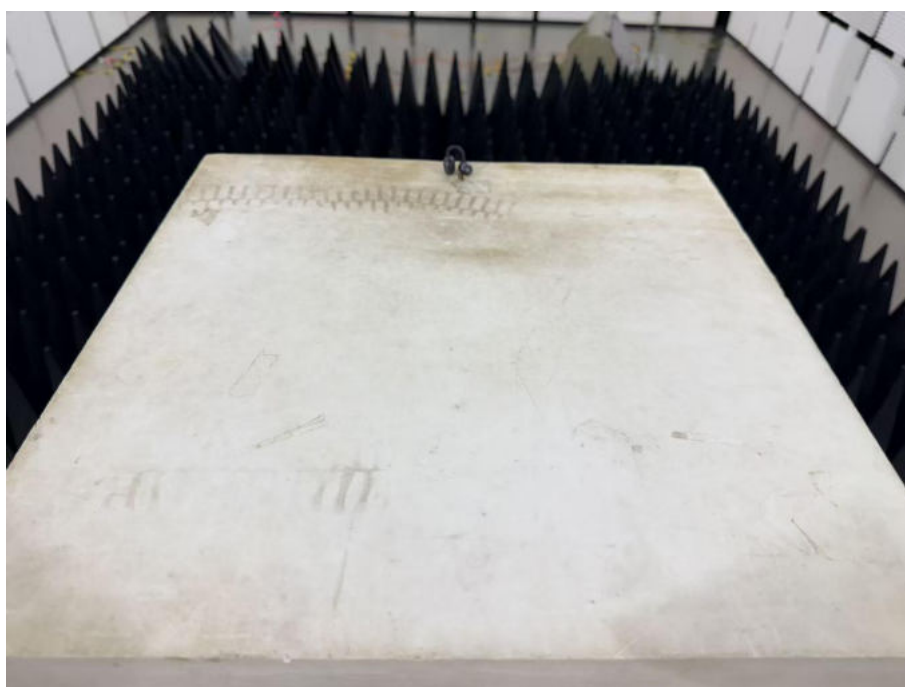
Close-up-Left Ear



Above 1GHz-Right Ear



Close-up-Right Ear



2 Conducted Test Photo

Conducted Test-Left Ear

Close-up-Left Ear

Conducted Test-Right Ear

Close-up-Right Ear

3 Conducted Emission

Photo 1



Photo 2

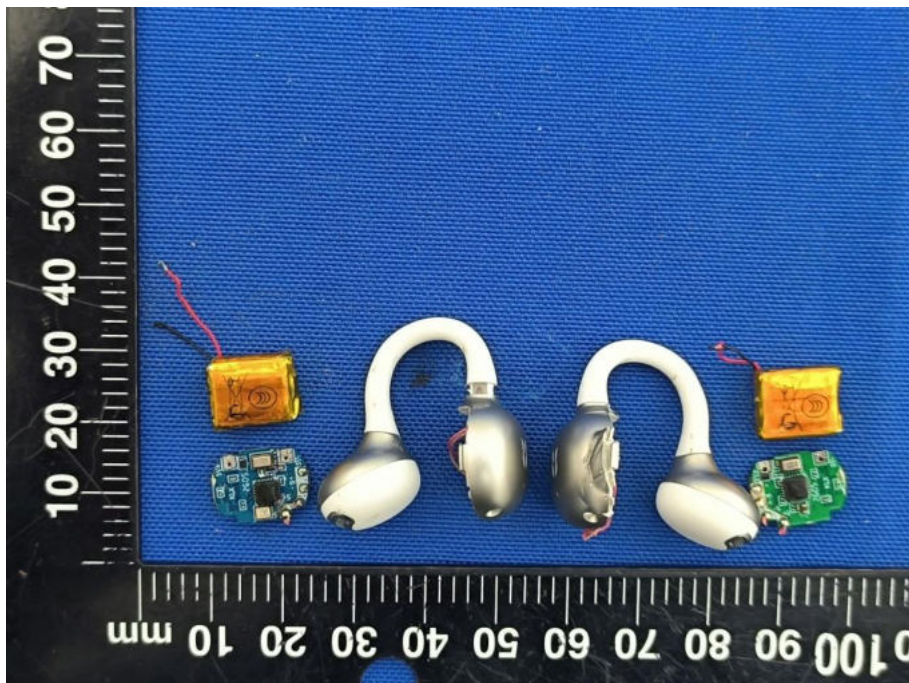


ANNEX B EUT EXTERNAL PHOTOS

EUT UNCOVER VIEW 1



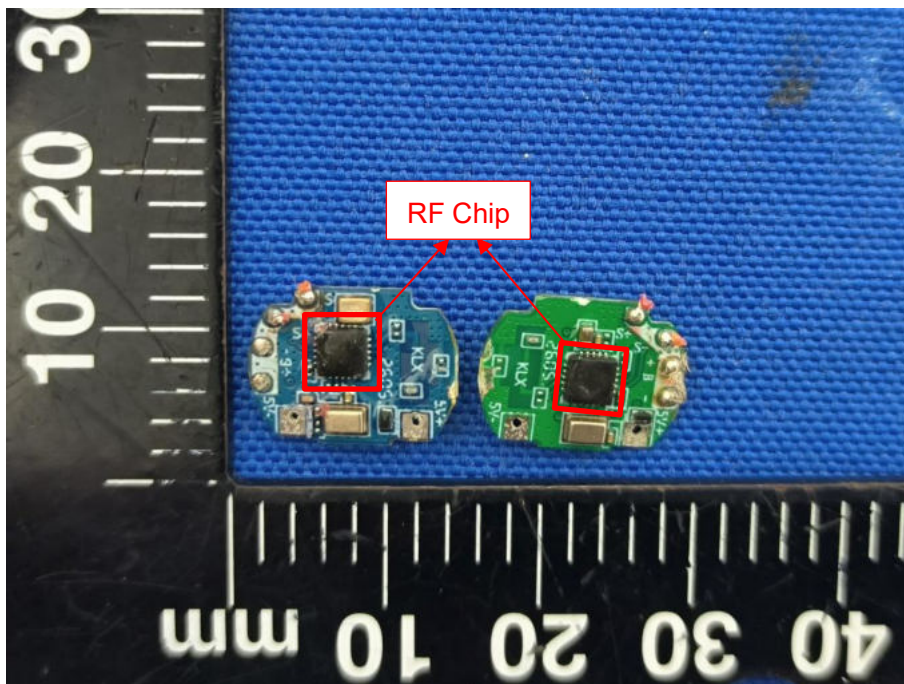
EUT UNCOVER VIEW 2



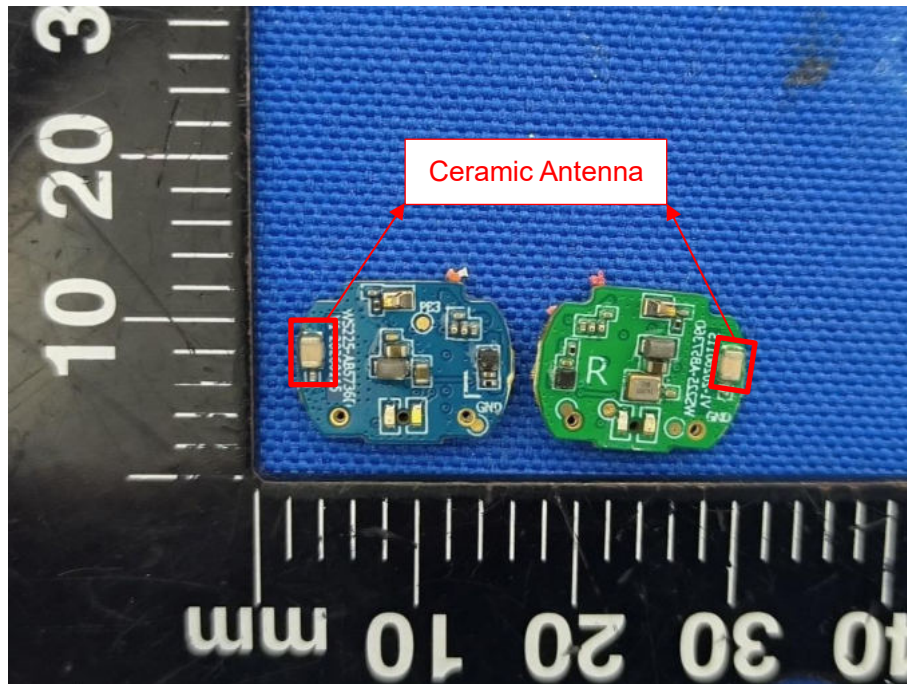
EUT UNCOVER VIEW 3



MAIN BOARD TOP VIEW



MAIN BOARD REAR VIEW



ANNEX C EUT INTERNAL PHOTOS

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--