

A.3 Conducted Spurious Emissions

Left Ear

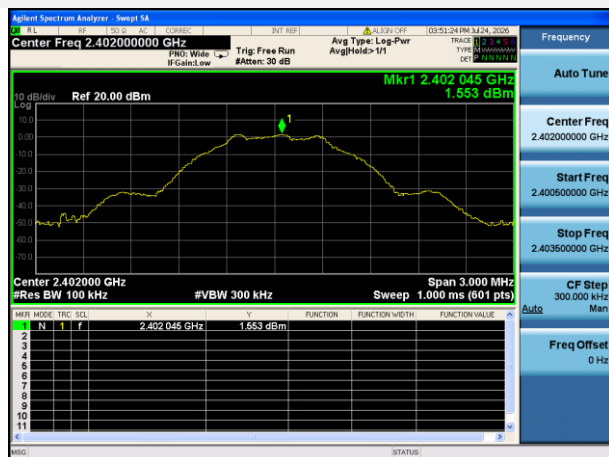
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.07	1.55	-18.45	Pass
Middle Channel	-37.64	1.02	-18.98	Pass
High Channel	-37.12	0.91	-19.09	Pass

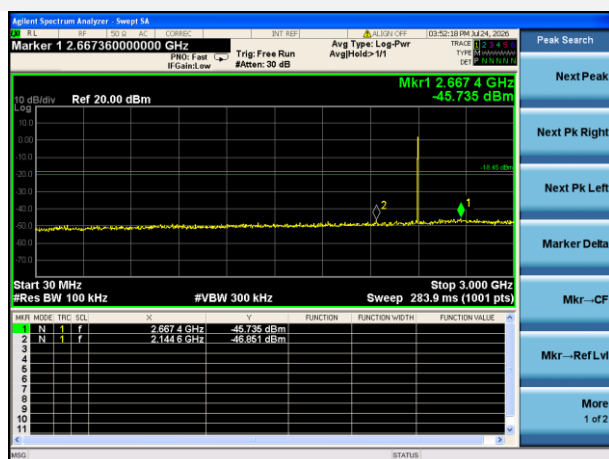
GFSK (BLE 2Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.67	1.52	-18.48	Pass
Middle Channel	-38.36	1.13	-18.87	Pass
High Channel	-37.18	0.95	-19.05	Pass

Test Plots

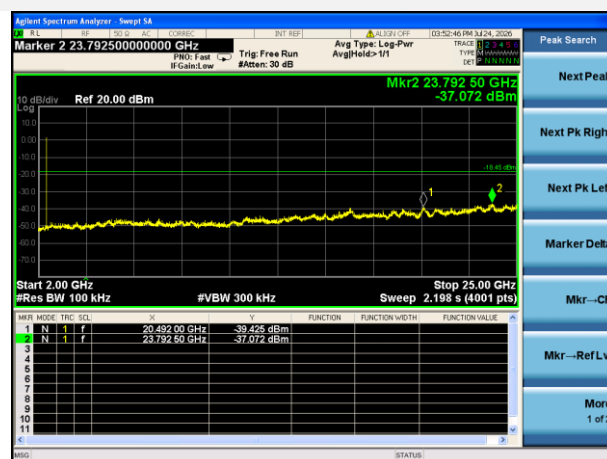
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



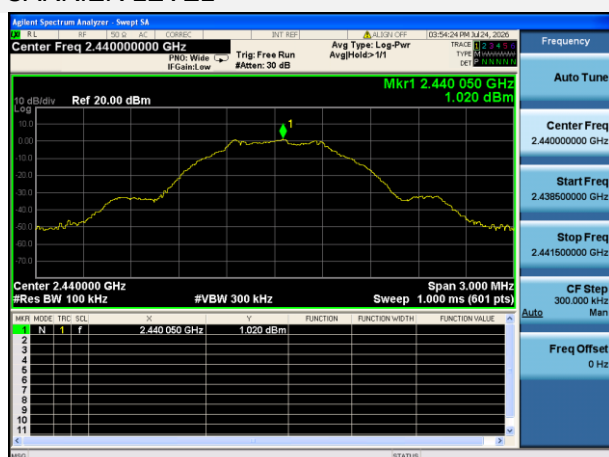
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



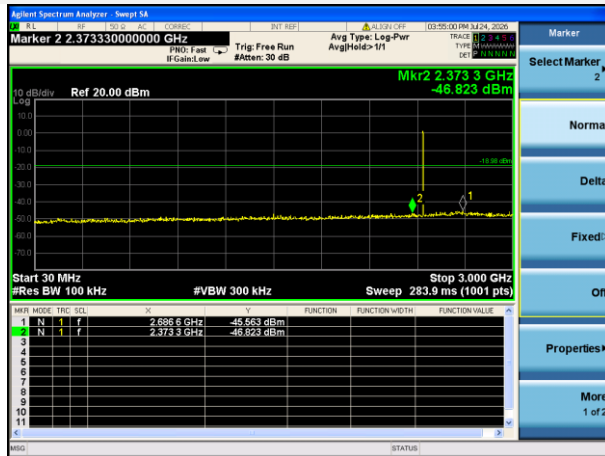
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



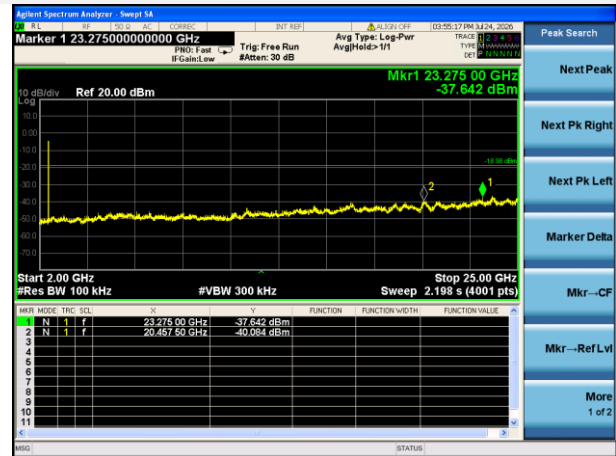
GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL



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



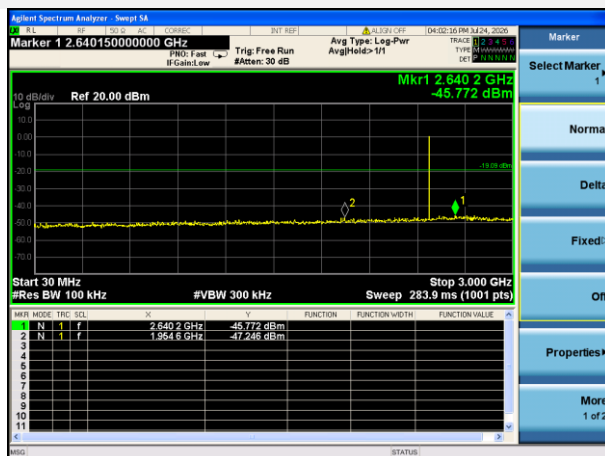
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



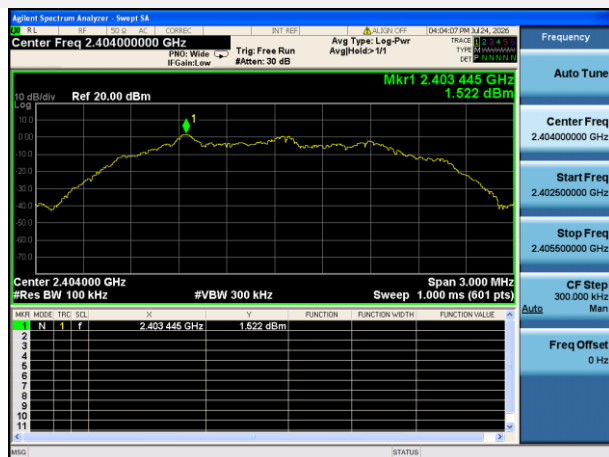
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



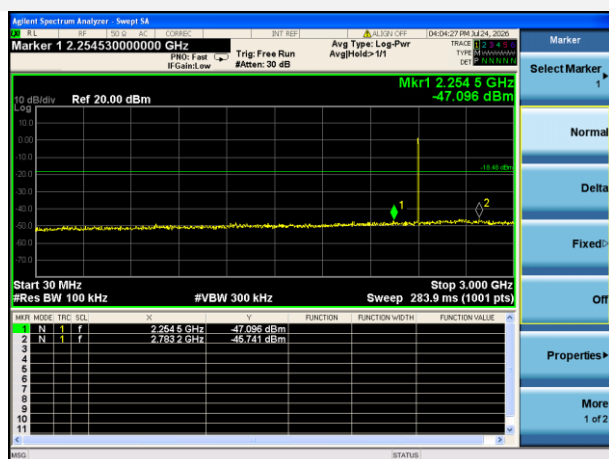
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



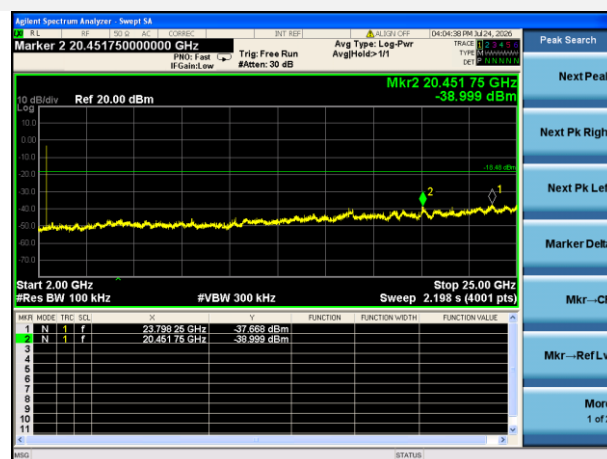
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



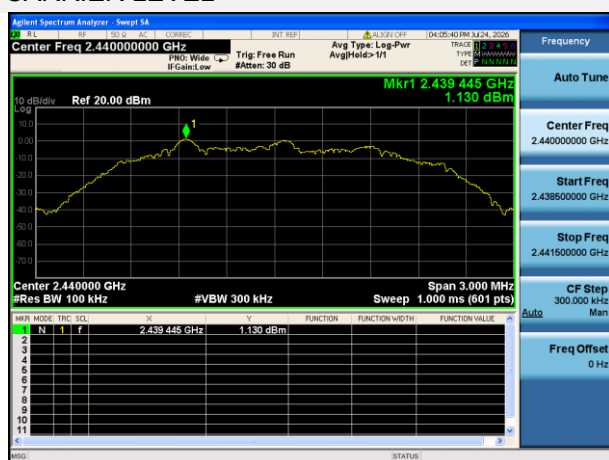
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



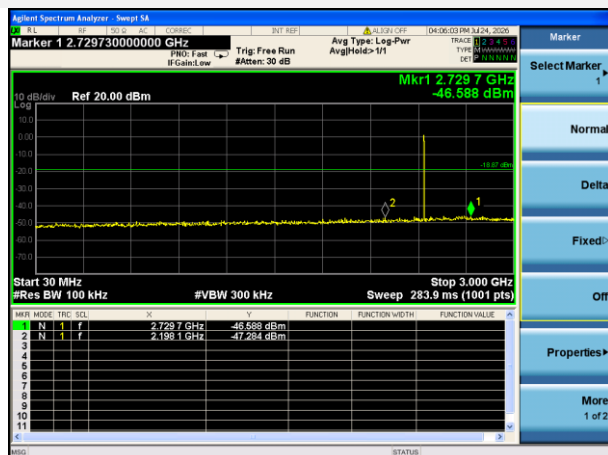
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



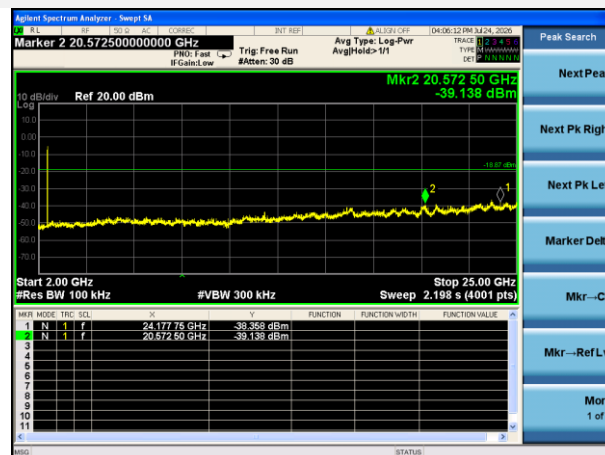
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



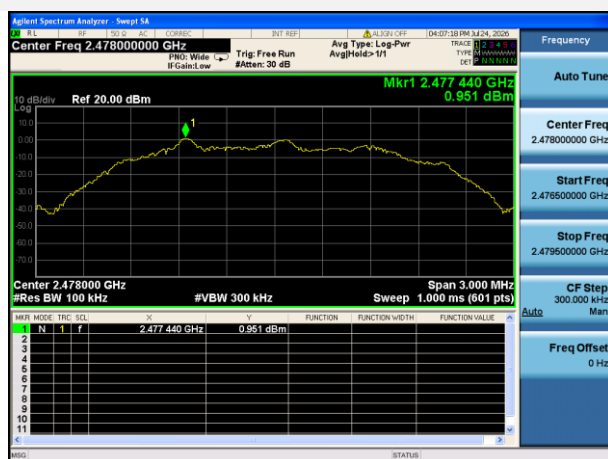
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



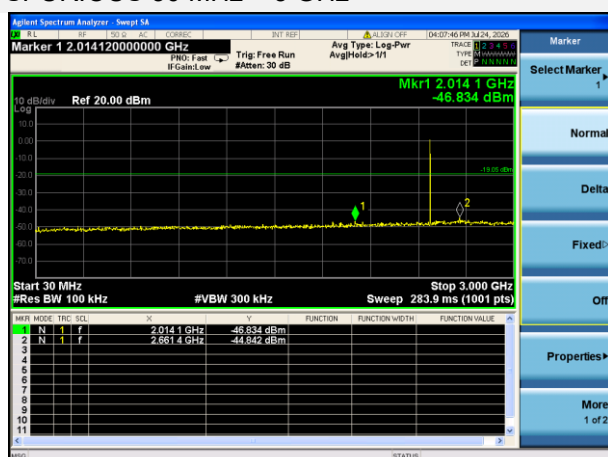
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



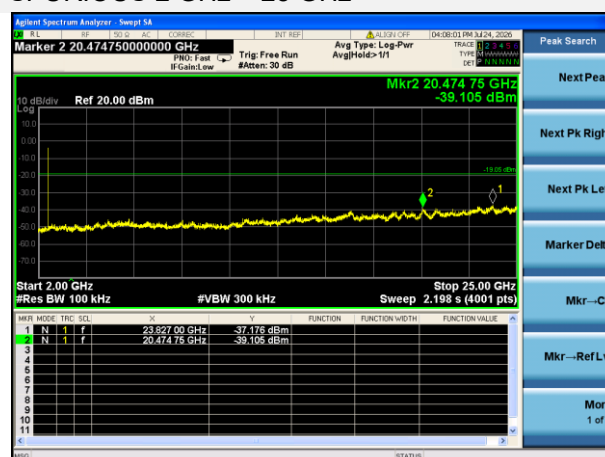
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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



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



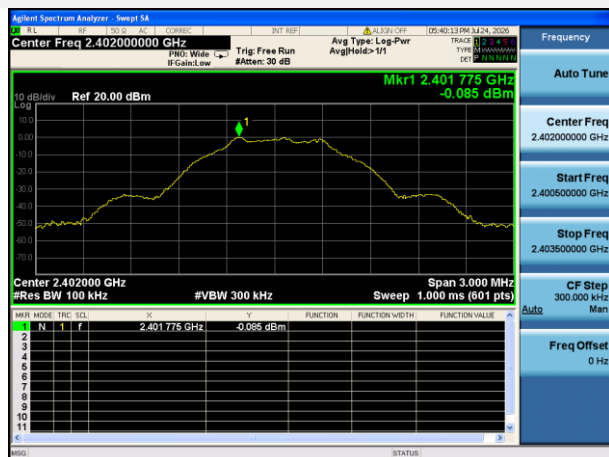
Right EarTest Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.05	-0.09	-20.09	Pass
Middle Channel	-36.76	0.23	-19.77	Pass
High Channel	-37.30	0.38	-19.63	Pass

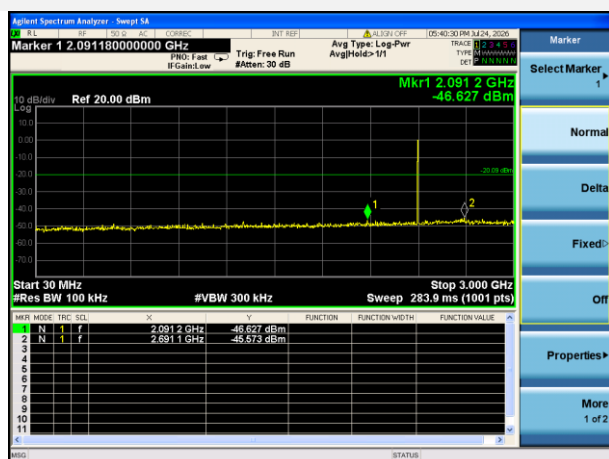
GFSK (BLE 2Mbps)				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.44	-0.16	-20.16	Pass
Middle Channel	-38.16	0.29	-19.71	Pass
High Channel	-37.11	0.97	-19.03	Pass

Test Plots

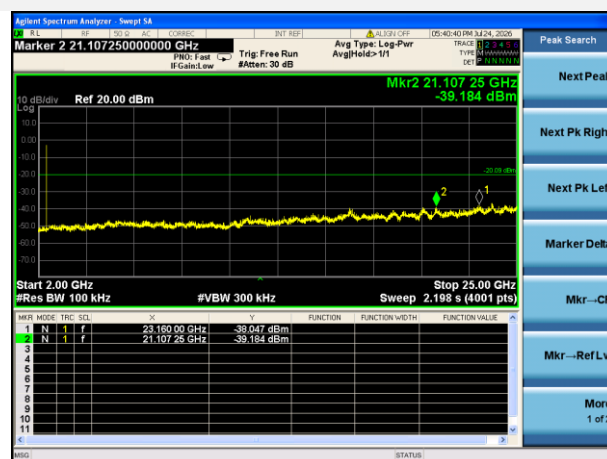
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



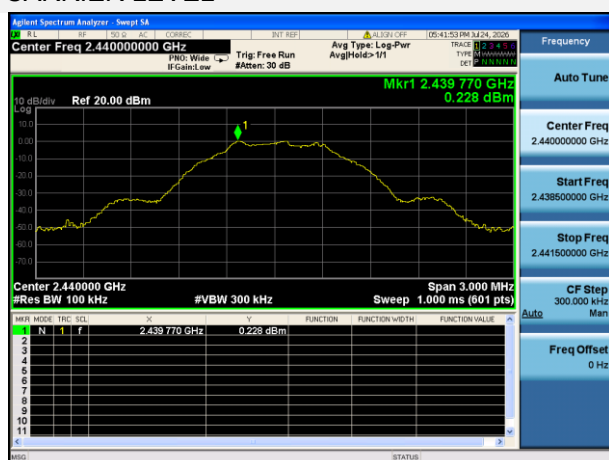
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



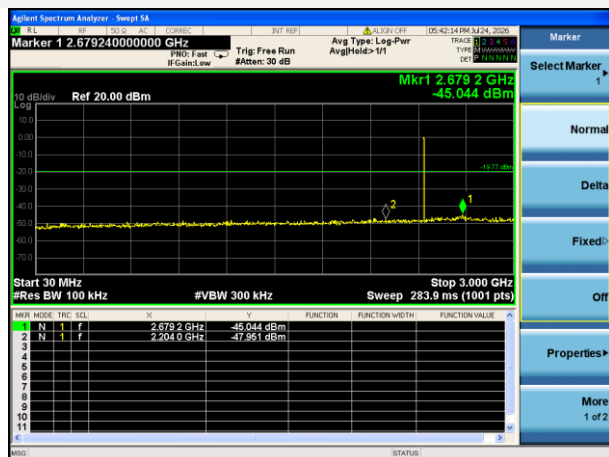
GFSK (BLE 1Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



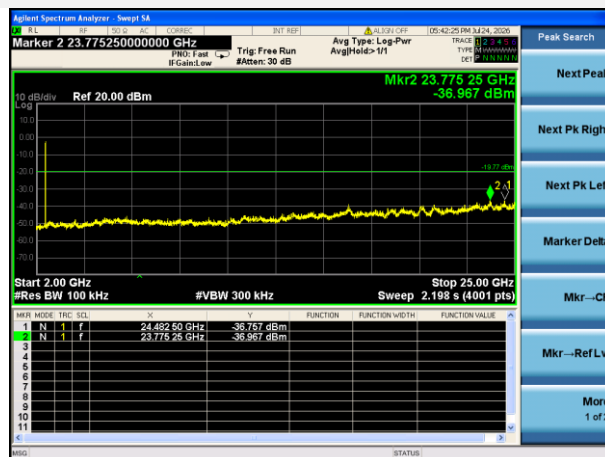
GFSK (BLE 1Mbps) MIDDLE CHANNEL, CARRIER LEVEL



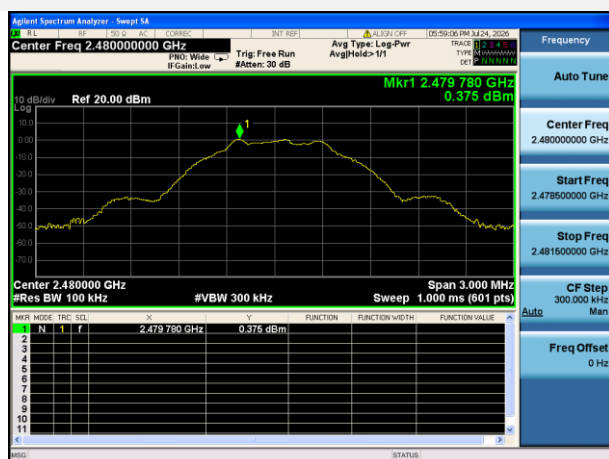
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



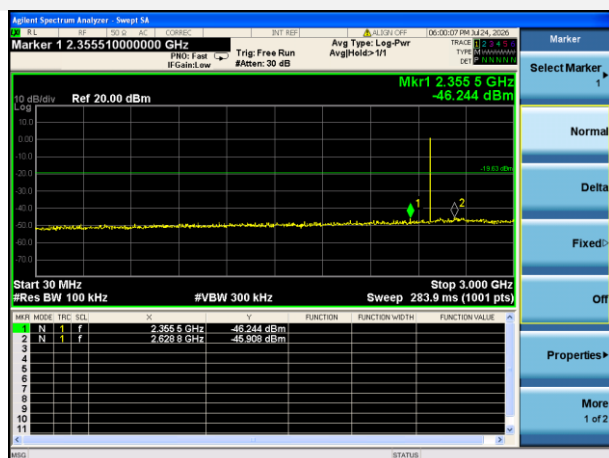
GFSK (BLE 1Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



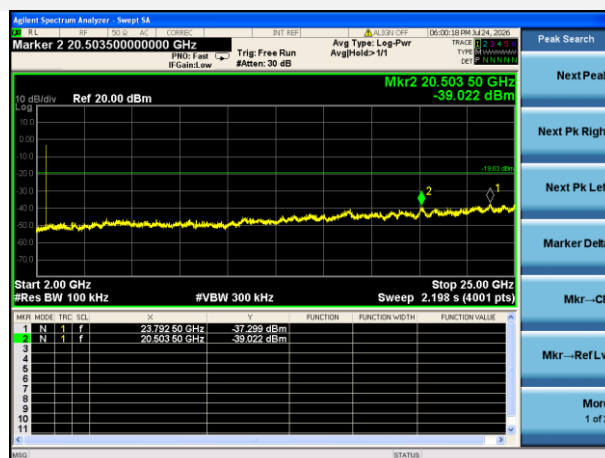
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



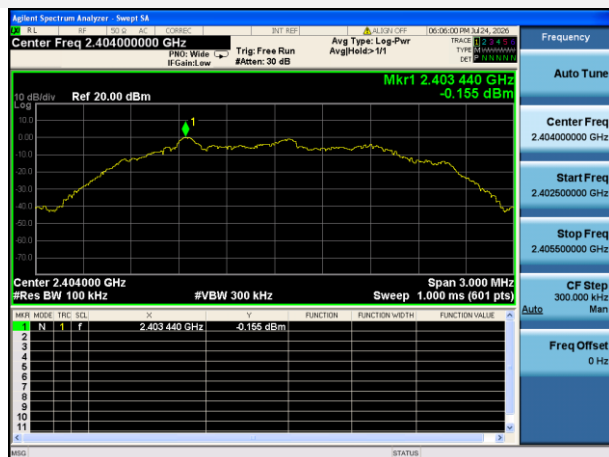
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



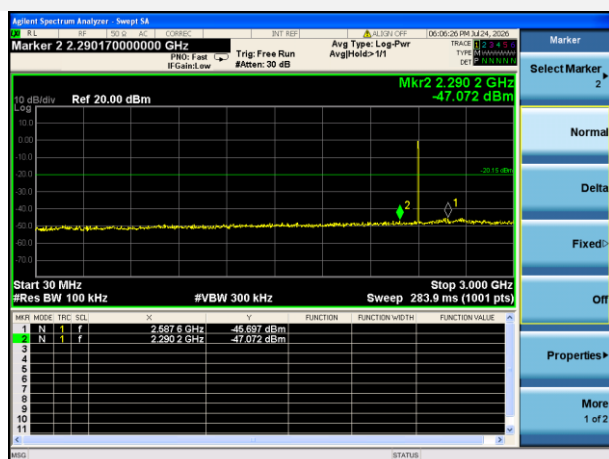
GFSK (BLE 1Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



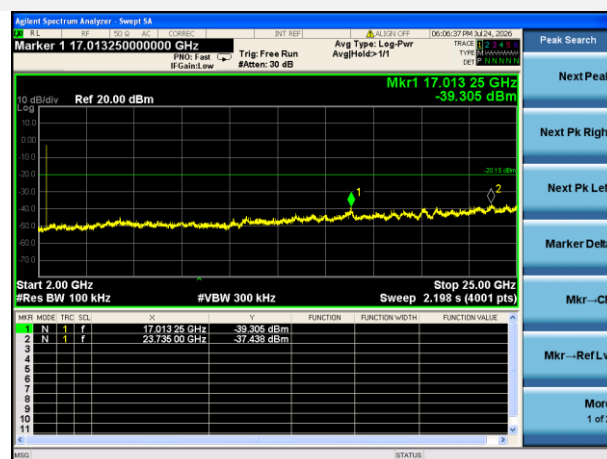
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



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



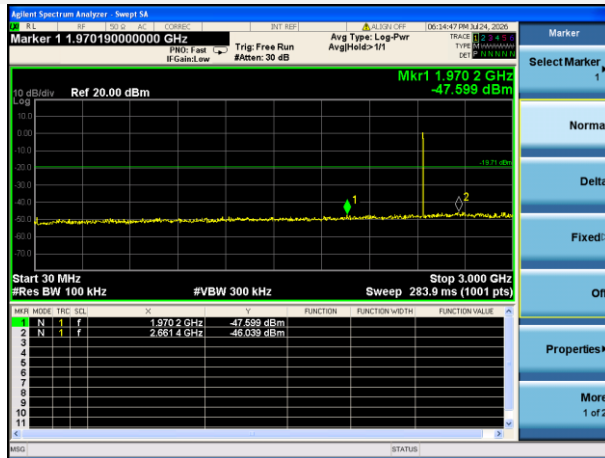
GFSK (BLE 2Mbps) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



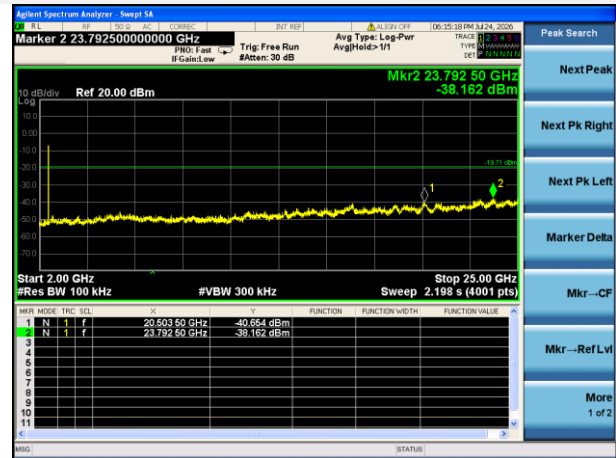
GFSK (BLE 2Mbps) MIDDLE CHANNEL, CARRIER LEVEL



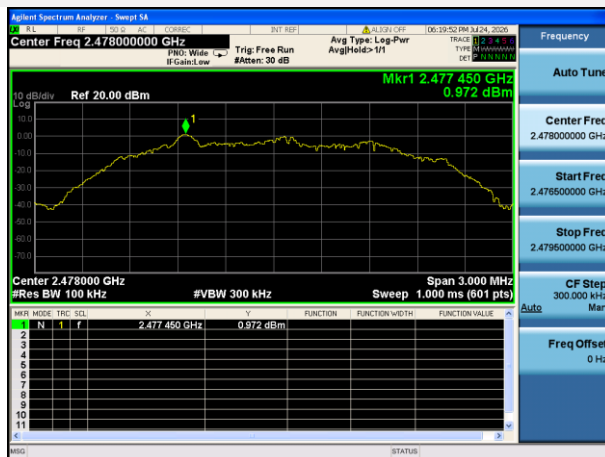
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



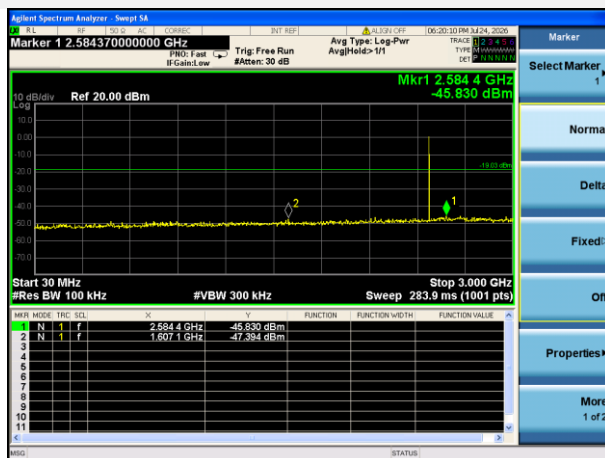
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



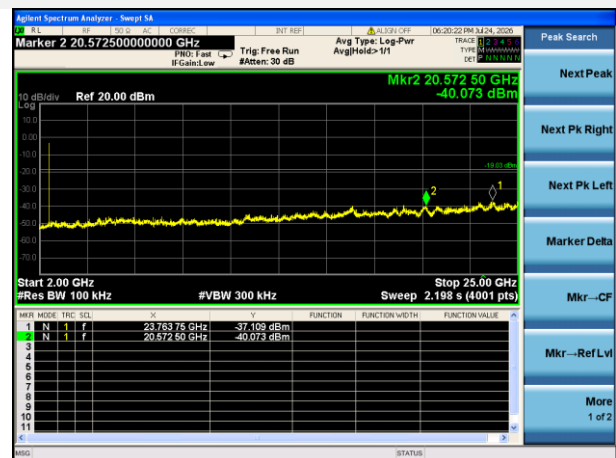
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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



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



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

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

Left Ear

Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.25	1.55	-18.45	Pass
High Channel	-48.33	0.91	-19.09	Pass

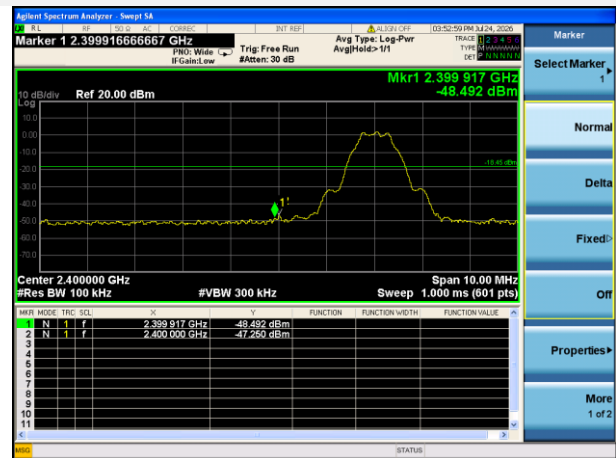
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-49.15	1.52	-18.48	Pass
High Channel	-49.53	0.95	-19.05	Pass

Test Plots

GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



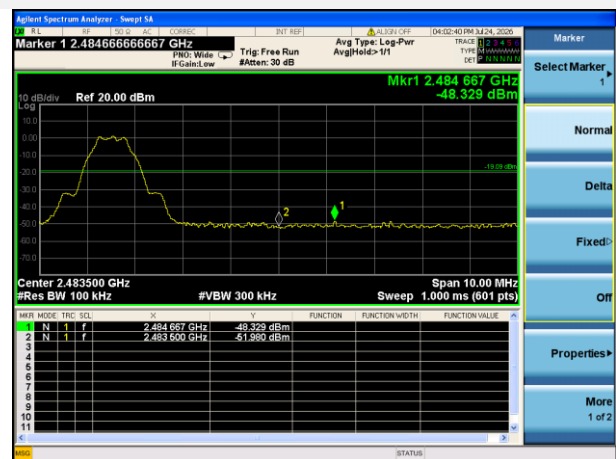
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



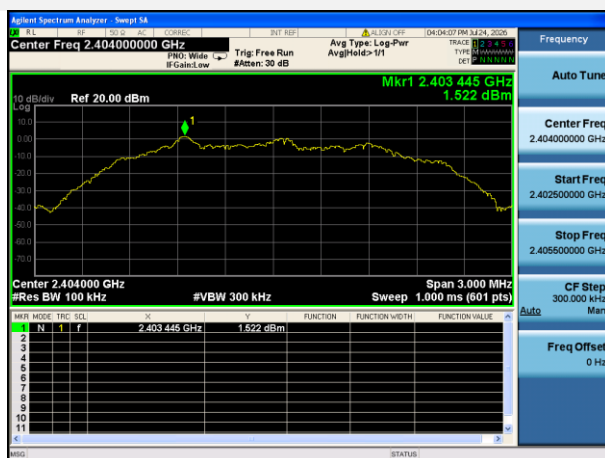
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



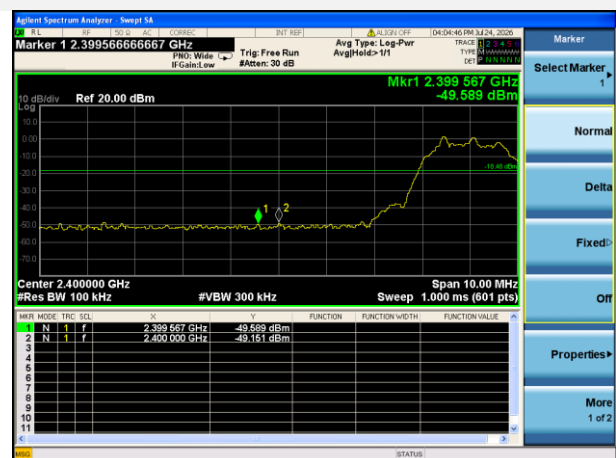
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE

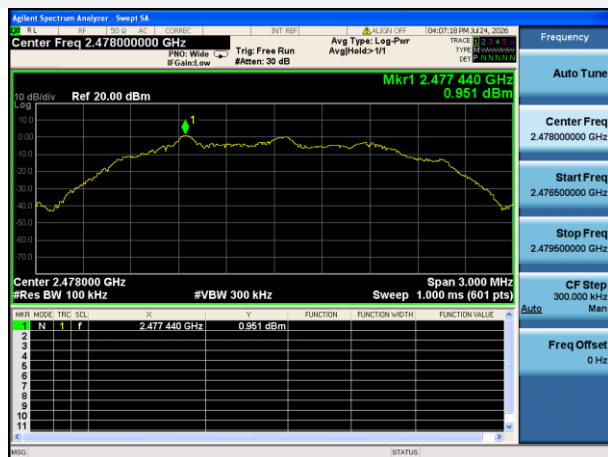
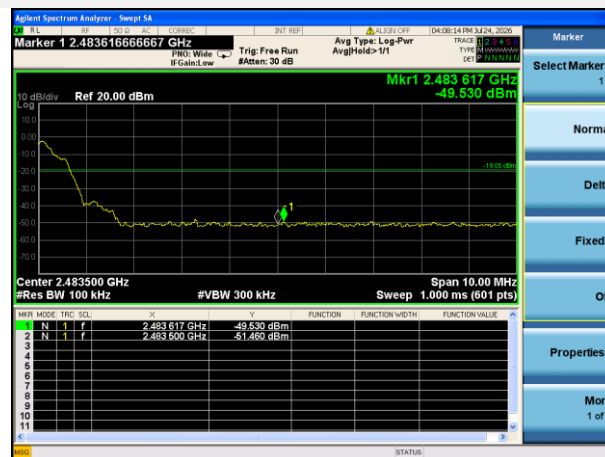


GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER
LEVELGFSK (BLE 2Mbps) HIGH CHANNEL, BAND
EDGE

Right EarTest Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.64	-0.09	-20.09	Pass
High Channel	-50.18	0.38	-19.63	Pass

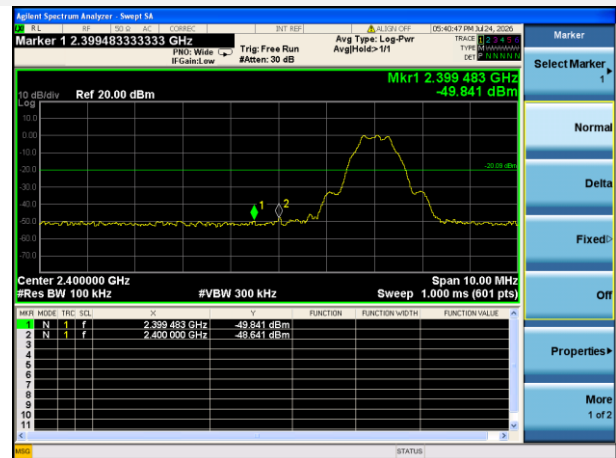
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-49.12	-0.16	-20.16	Pass
High Channel	-48.85	0.97	-19.03	Pass

Test Plots

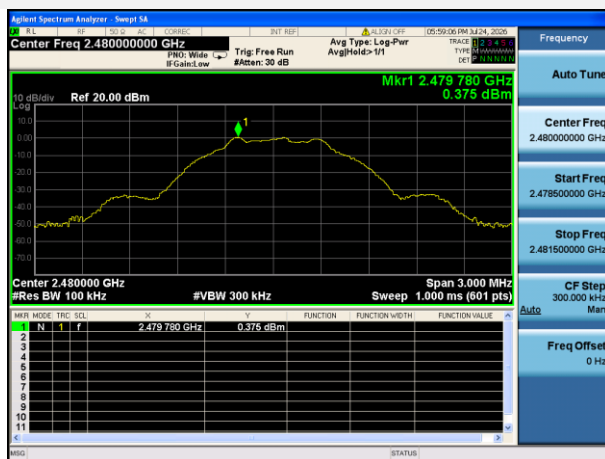
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



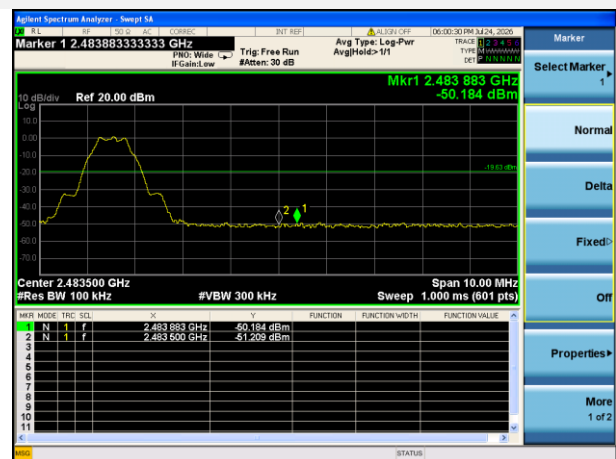
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



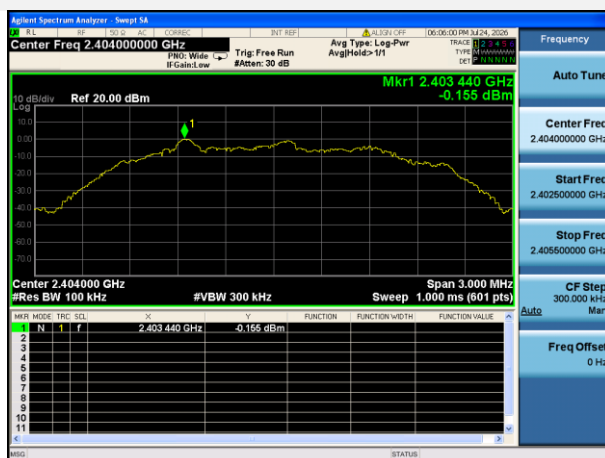
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



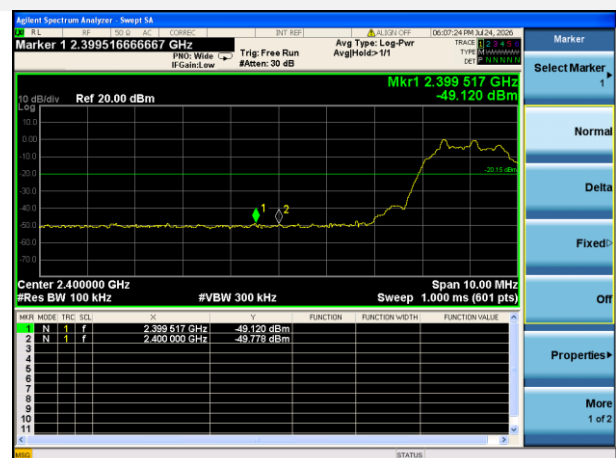
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE

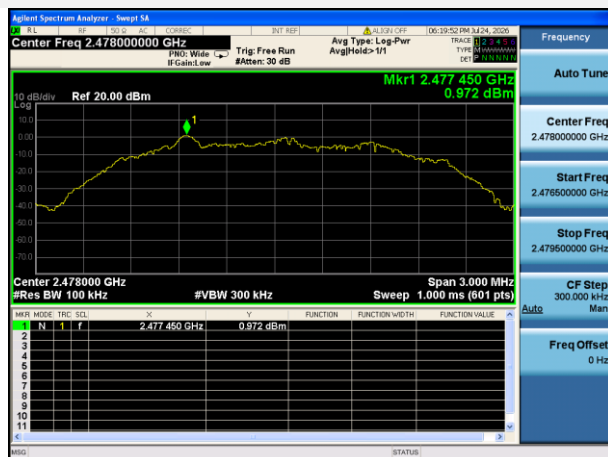
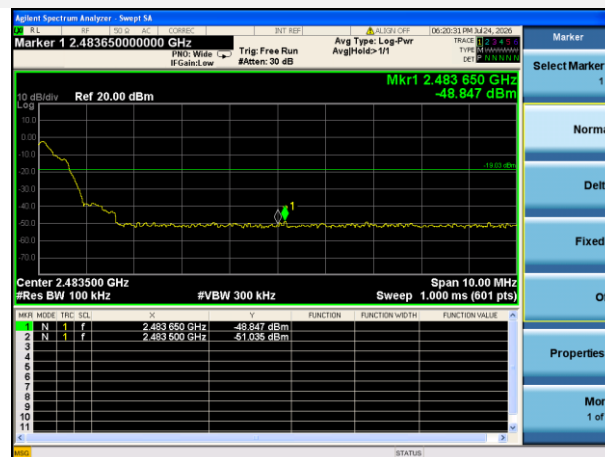


GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER
LEVELGFSK (BLE 2Mbps) HIGH CHANNEL, BAND
EDGE

A.5 Conducted Emissions

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

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

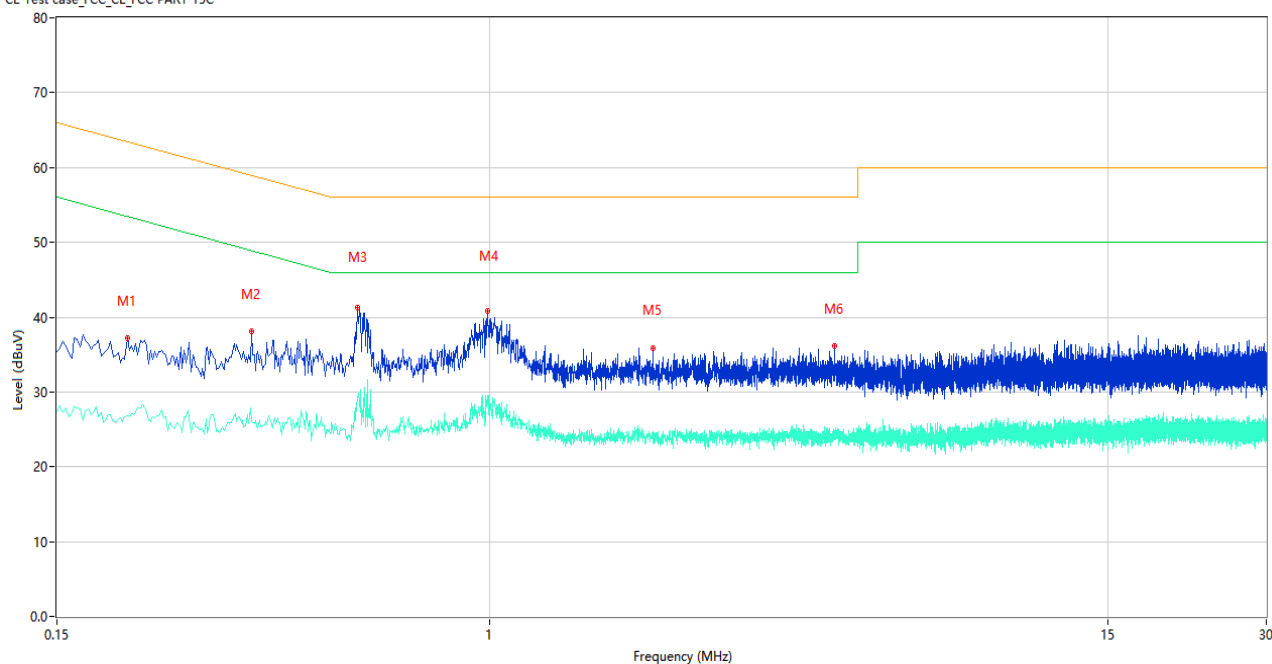
Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

Left Ear

PHASE L

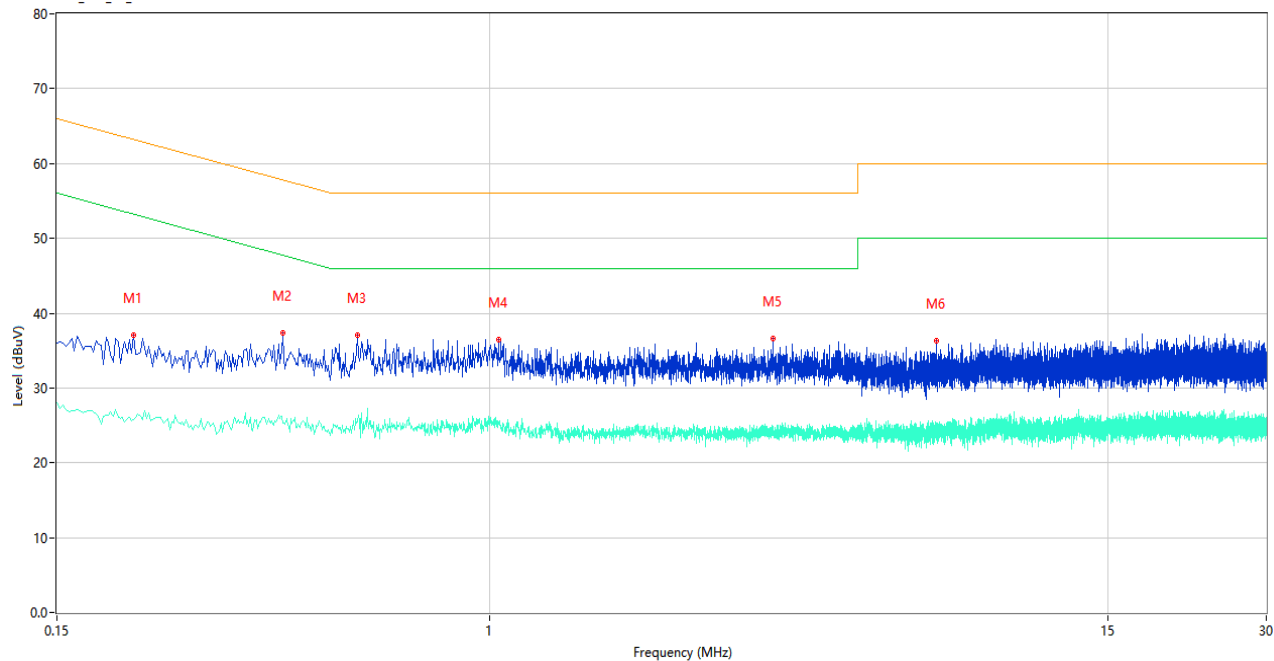
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.204	37.25	9.76	63.45	26.20	Peak	L	Pass
1**	0.204	26.77	9.76	53.45	26.68	AV	L	Pass
2	0.352	38.07	10.73	58.92	20.85	Peak	L	Pass
2**	0.352	26.02	10.73	48.92	22.90	AV	L	Pass
3	0.560	41.24	10.04	56.00	14.76	Peak	L	Pass
3**	0.560	28.98	10.04	46.00	17.02	AV	L	Pass
4	0.988	40.85	9.97	56.00	15.15	Peak	L	Pass
4**	0.988	29.47	9.97	46.00	16.53	AV	L	Pass
5	2.040	35.91	10.43	56.00	20.09	Peak	L	Pass
5**	2.040	24.73	10.43	46.00	21.27	AV	L	Pass
6	4.520	36.19	10.37	56.00	19.81	Peak	L	Pass
6**	4.520	24.93	10.37	46.00	21.07	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C

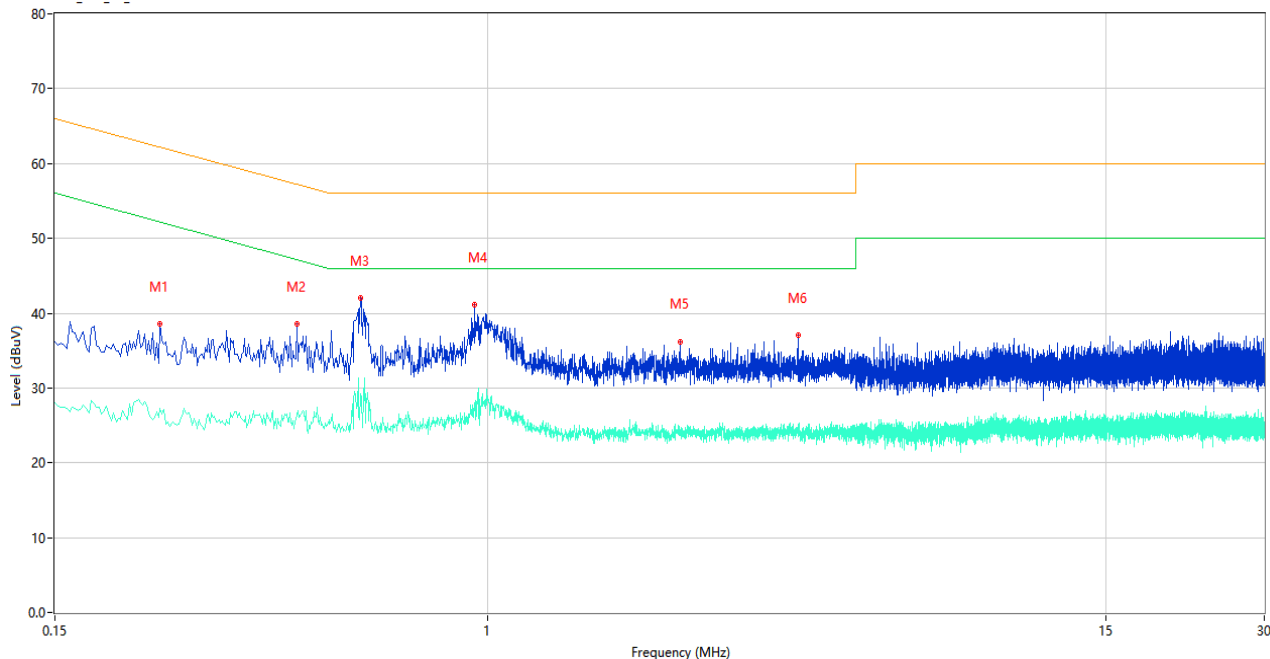


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.210	37.06	9.75	63.21	26.15	Peak	N	Pass
1**	0.210	25.80	9.75	53.21	27.41	AV	N	Pass
2	0.404	37.37	10.49	57.77	20.40	Peak	N	Pass
2**	0.404	25.26	10.49	47.77	22.51	AV	N	Pass
3	0.560	36.99	10.04	56.00	19.01	Peak	N	Pass
3**	0.560	25.52	10.04	46.00	20.48	AV	N	Pass
4	1.038	36.50	10.11	56.00	19.50	Peak	N	Pass
4**	1.038	25.40	10.11	46.00	20.60	AV	N	Pass
5	3.458	36.63	10.22	56.00	19.37	Peak	N	Pass
5**	3.458	24.01	10.22	46.00	21.99	AV	N	Pass
6	7.074	36.33	10.32	60.00	23.67	Peak	N	Pass
6**	7.074	25.26	10.32	50.00	24.74	AV	N	Pass

Right Ear

PHASE L

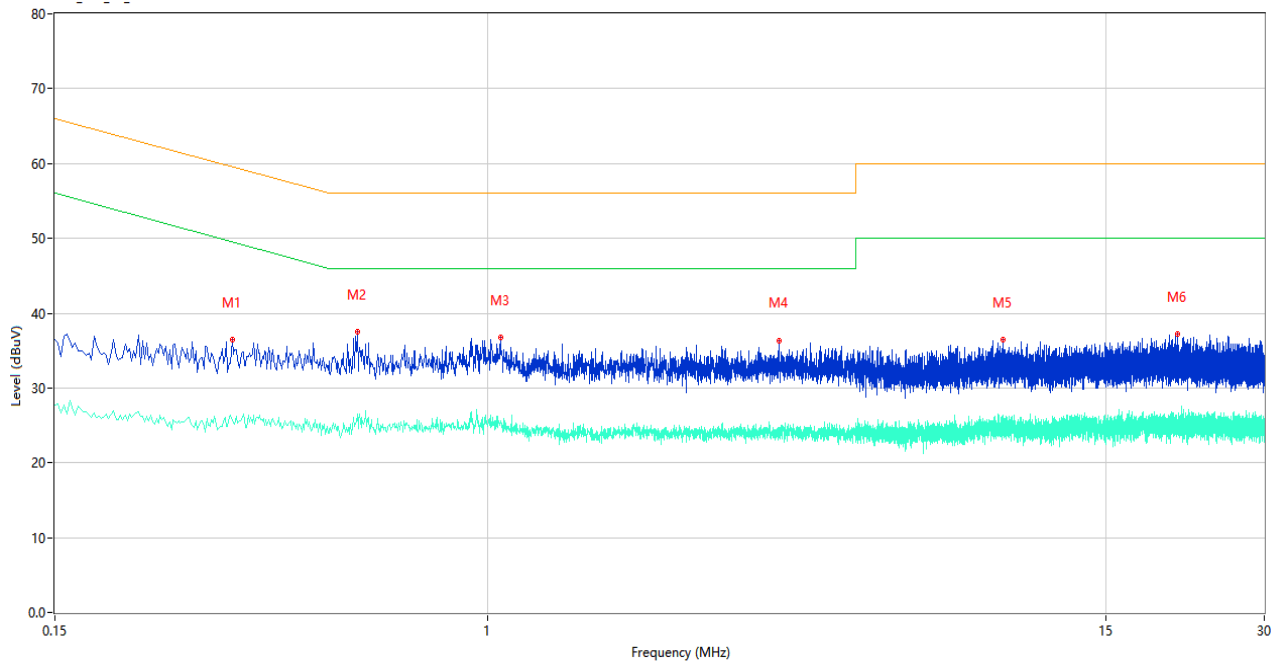
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.238	38.51	9.75	62.17	23.66	Peak	L	Pass
1**	0.238	27.27	9.75	52.17	24.90	AV	L	Pass
2	0.434	38.50	10.18	57.18	18.68	Peak	L	Pass
2**	0.434	26.57	10.18	47.18	20.61	AV	L	Pass
3	0.572	41.98	10.07	56.00	14.02	Peak	L	Pass
3**	0.572	29.22	10.07	46.00	16.78	AV	L	Pass
4	0.944	41.19	10.05	56.00	14.81	Peak	L	Pass
4**	0.944	28.09	10.05	46.00	17.91	AV	L	Pass
5	2.318	36.15	10.17	56.00	19.85	Peak	L	Pass
5**	2.318	24.44	10.17	46.00	21.56	AV	L	Pass
6	3.892	37.08	10.30	56.00	18.92	Peak	L	Pass
6**	3.892	24.92	10.30	46.00	21.08	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.326	36.45	10.26	59.55	23.10	Peak	N	Pass
1**	0.326	25.73	10.26	49.55	23.82	AV	N	Pass
2	0.564	37.48	10.05	56.00	18.52	Peak	N	Pass
2**	0.564	26.46	10.05	46.00	19.54	AV	N	Pass
3	1.056	36.72	10.12	56.00	19.28	Peak	N	Pass
3**	1.056	25.62	10.12	46.00	20.38	AV	N	Pass
4	3.586	36.36	10.30	56.00	19.64	Peak	N	Pass
4**	3.586	24.77	10.30	46.00	21.23	AV	N	Pass
5	9.566	36.48	10.13	60.00	23.52	Peak	N	Pass
5**	9.566	26.33	10.13	50.00	23.67	AV	N	Pass
6	20.554	37.25	10.86	60.00	22.75	Peak	N	Pass
6**	20.554	25.83	10.86	50.00	24.17	AV	N	Pass

A.6 Radiated Spurious Emission

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

Note ²: For the test data above 1 GHz, according the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

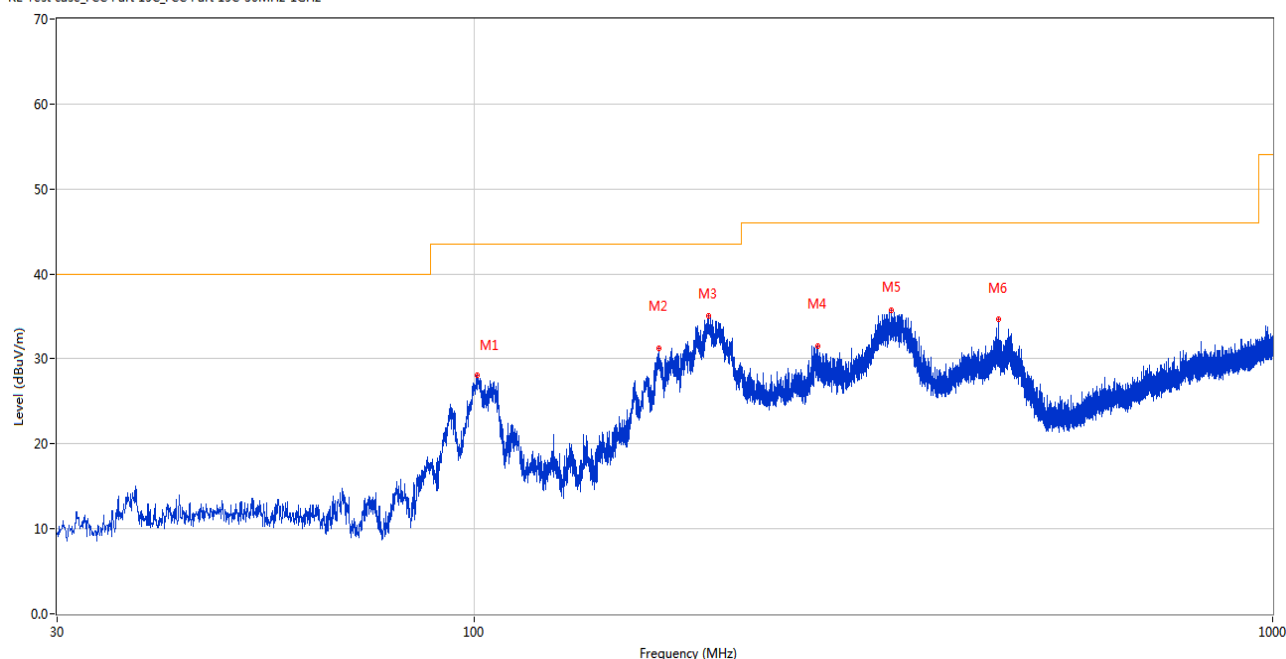
Note ⁵: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

Test Data and Plots

Left Ear

30 MHz to 1 GHz, ANT H

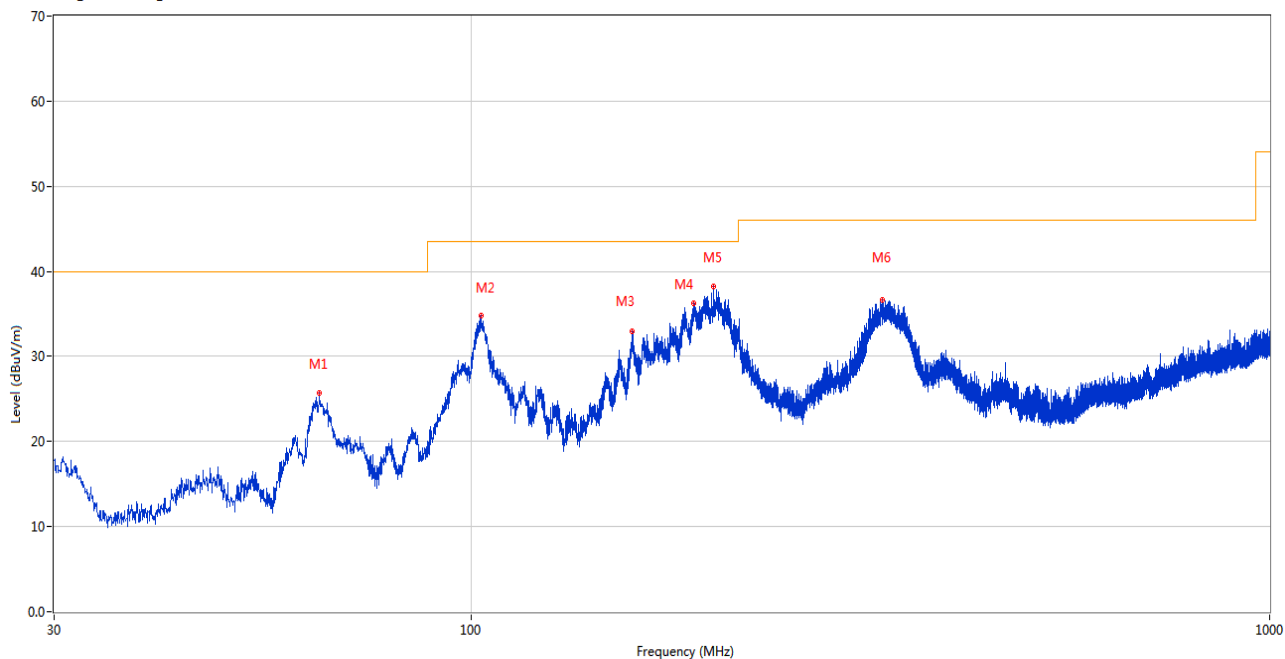
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	100.907	28.05	-29.03	43.5	15.45	Peak	360.00	200	Horizontal	Pass
2	170.068	31.26	-24.39	43.5	12.24	Peak	286.00	200	Horizontal	Pass
3	196.258	35.11	-26.64	43.5	8.39	Peak	306.00	200	Horizontal	Pass
4	268.911	31.50	-23.63	46.0	14.50	Peak	100.00	100	Horizontal	Pass
5	332.494	35.72	-21.06	46.0	10.28	Peak	252.00	100	Horizontal	Pass
6	453.938	34.65	-17.05	46.0	11.35	Peak	188.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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

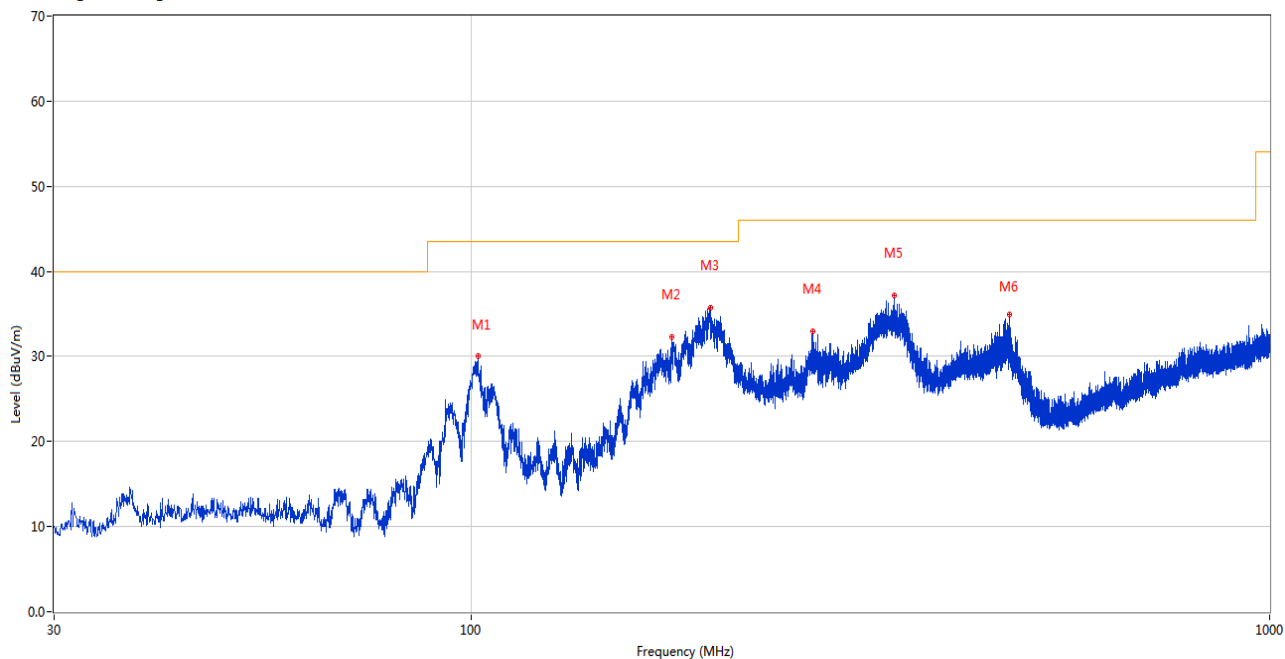


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	64.483	25.70	-26.25	40.0	14.30	Peak	240.00	100	Vertical	Pass
2	102.847	34.80	-28.68	43.5	8.70	Peak	0.00	100	Vertical	Pass
3	158.864	32.94	-23.71	43.5	10.56	Peak	212.00	100	Vertical	Pass
4	189.613	36.31	-26.32	43.5	7.19	Peak	194.00	100	Vertical	Pass
5	201.011	38.19	-26.97	43.5	5.31	Peak	0.00	100	Vertical	Pass
6	327.062	36.62	-21.24	46.0	9.38	Peak	0.00	200	Vertical	Pass

Right Ear

30 MHz to 1 GHz, ANT H

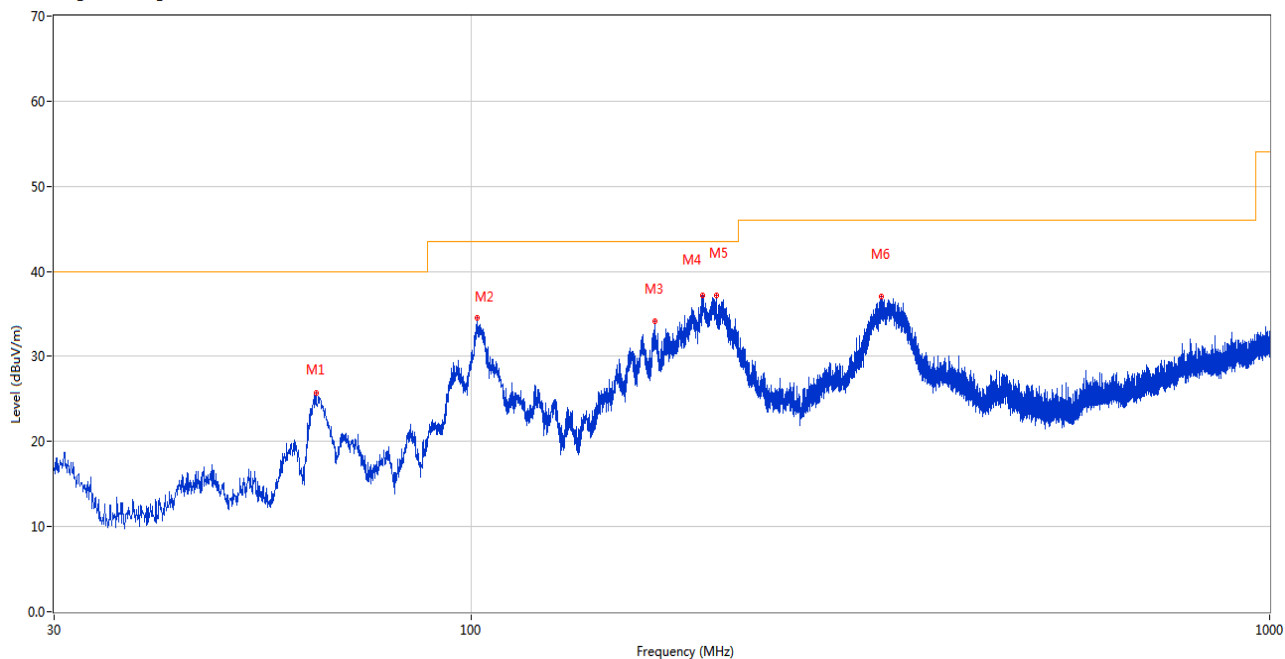
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	101.925	30.00	-28.86	43.5	13.50	Peak	186.00	200	Horizontal	Pass
2	178.410	32.34	-25.10	43.5	11.16	Peak	254.00	200	Horizontal	Pass
3	199.265	35.76	-26.84	43.5	7.74	Peak	289.00	200	Horizontal	Pass
4	267.359	32.99	-23.62	46.0	13.01	Peak	93.00	100	Horizontal	Pass
5	338.266	37.18	-21.06	46.0	8.82	Peak	258.00	100	Horizontal	Pass
6	472.611	34.88	-16.77	46.0	11.12	Peak	206.00	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	63.853	25.67	-26.16	40.0	14.33	Peak	9.00	100	Vertical	Pass
2	101.634	34.48	-28.91	43.5	9.02	Peak	268.00	100	Vertical	Pass
3	169.826	34.10	-24.35	43.5	9.40	Peak	251.00	100	Vertical	Pass
4	194.852	37.23	-26.62	43.5	6.27	Peak	243.00	100	Vertical	Pass
5	202.854	37.19	-27.03	43.5	6.31	Peak	0.00	100	Vertical	Pass
6	326.674	37.07	-21.24	46.0	8.93	Peak	0.00	200	Vertical	Pass

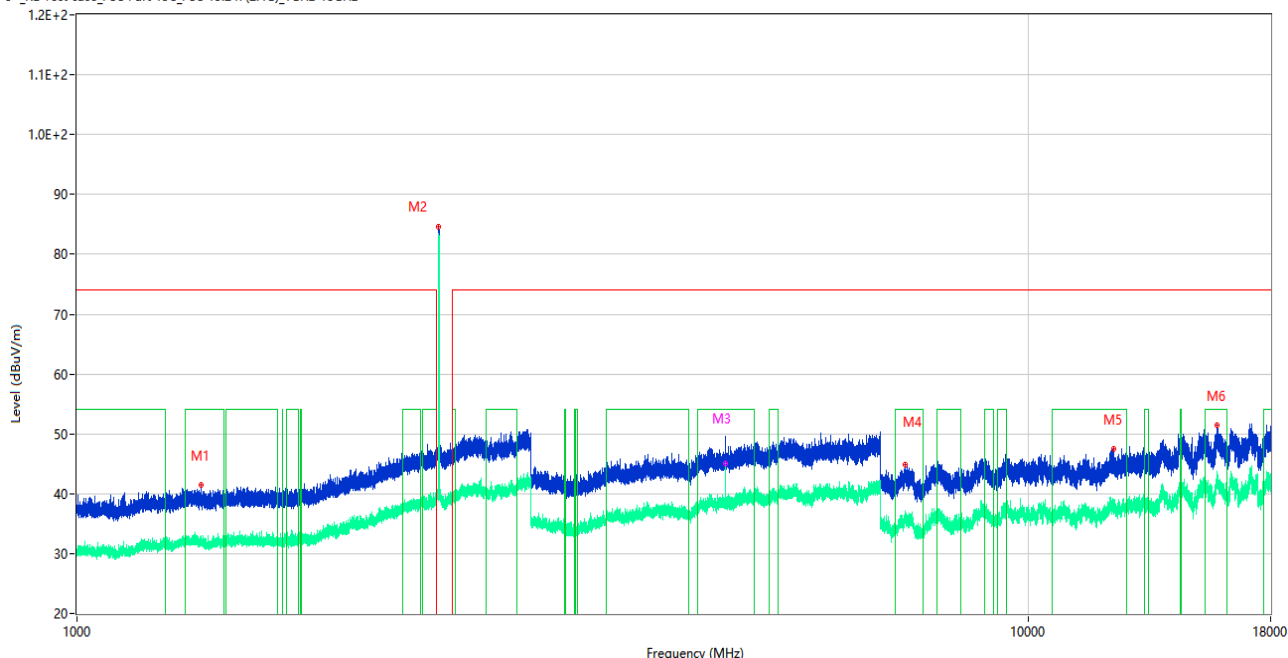
Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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

Left Ear

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

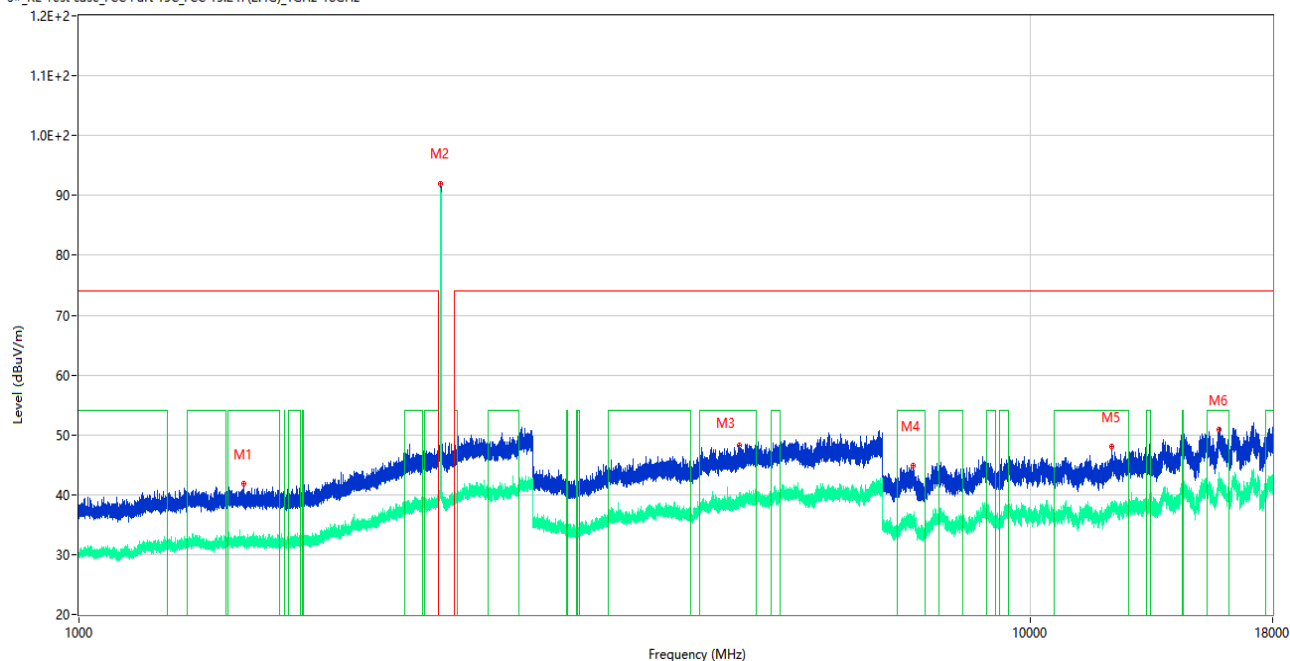
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1349.800	41.41	74.0	32.59	Peak	128.00	400	Horizontal	Pass
1**	1349.800	32.30	54.0	21.70	AV	128.00	400	Horizontal	Pass
2	2402.300	84.68	--	--	Peak	338.00	100	Horizontal	N/A
2**	2402.300	83.50	--	--	AV	338.00	100	Horizontal	N/A
3	4804.200	49.51	74.0	24.49	Peak	78.00	150	Horizontal	Pass
3**	4804.200	45.03	54.0	8.97	AV	78.00	150	Horizontal	Pass
4	7428.375	44.80	74.0	29.20	Peak	207.00	200	Horizontal	Pass
4**	7428.375	35.83	54.0	18.17	AV	207.00	200	Horizontal	Pass
5	12323.063	47.43	74.0	26.57	Peak	116.00	150	Horizontal	Pass
5**	12323.063	36.96	54.0	17.04	AV	116.00	150	Horizontal	Pass
6	15799.200	51.46	74.0	22.54	Peak	262.00	150	Horizontal	Pass
6**	15799.200	42.15	54.0	11.85	AV	262.00	150	Horizontal	Pass

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

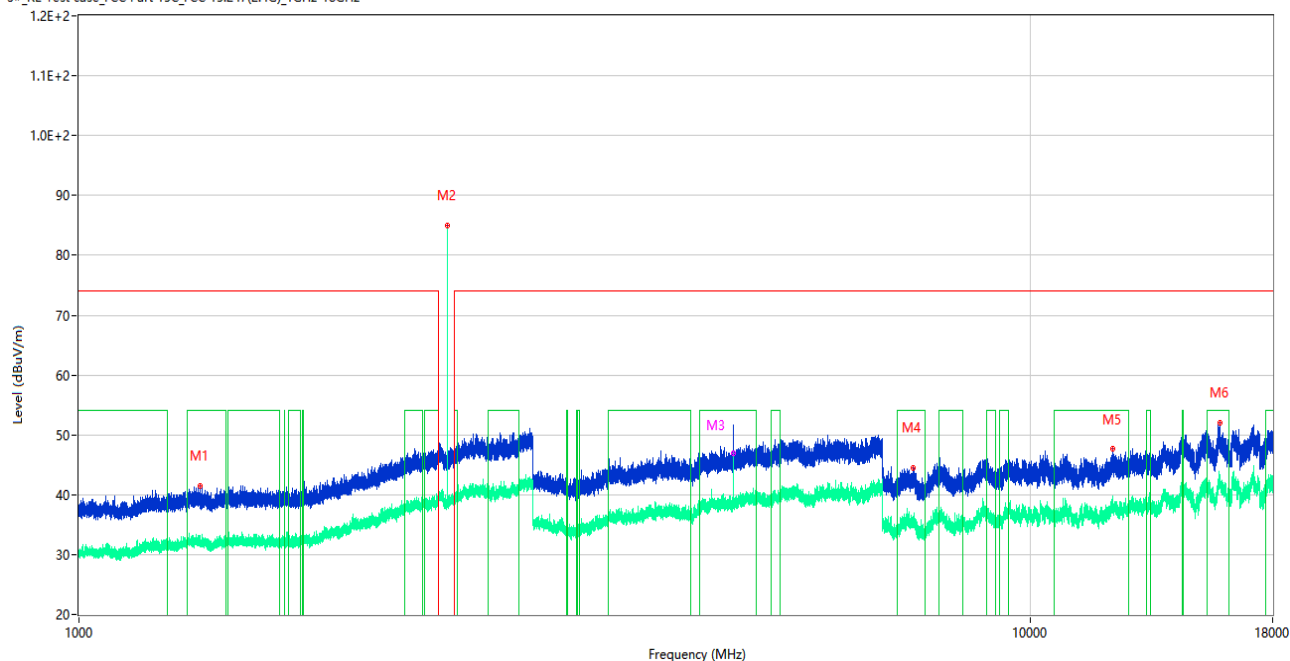
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.100	41.80	74.0	32.20	Peak	112.00	400	Vertical	Pass
1**	1492.100	33.01	54.0	20.99	AV	112.00	400	Vertical	Pass
2	2402.200	92.03	--	--	Peak	314.00	100	Vertical	N/A
2**	2402.200	91.22	--	--	AV	314.00	100	Vertical	N/A
3	4947.800	48.18	74.0	25.82	Peak	308.00	100	Vertical	Pass
3**	4947.800	38.75	54.0	15.25	AV	308.00	100	Vertical	Pass
4	7533.600	44.84	74.0	29.16	Peak	257.00	200	Vertical	Pass
4**	7533.600	36.18	54.0	17.82	AV	257.00	200	Vertical	Pass
5	12180.175	47.97	74.0	26.03	Peak	0.00	200	Vertical	Pass
5**	12180.175	37.77	54.0	16.23	AV	0.00	200	Vertical	Pass
6	15812.850	50.87	74.0	23.13	Peak	58.00	200	Vertical	Pass
6**	15812.850	41.75	54.0	12.25	AV	58.00	200	Vertical	Pass

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

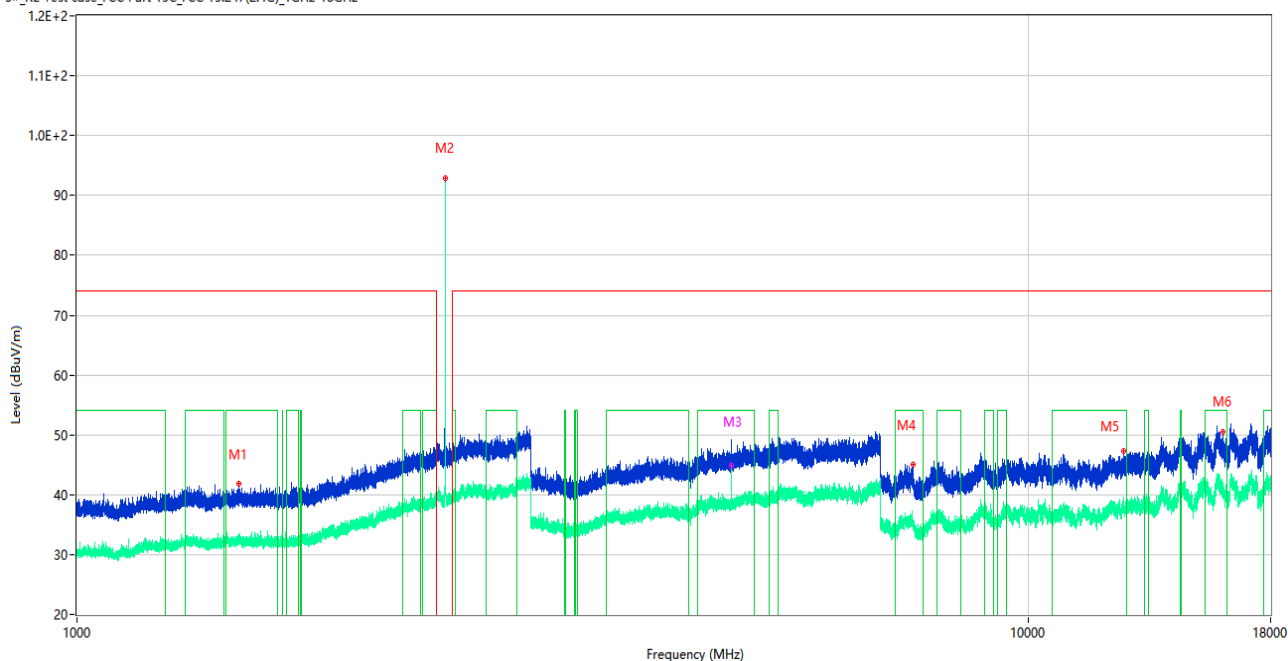
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1340.600	41.54	74.0	32.46	Peak	360.00	300	Horizontal	Pass
1**	1340.600	31.39	54.0	22.61	AV	360.00	300	Horizontal	Pass
2	2439.800	84.99	--	--	Peak	345.00	150	Horizontal	N/A
2**	2439.800	83.72	--	--	AV	345.00	150	Horizontal	N/A
3	4880.000	50.50	74.0	23.50	Peak	291.00	150	Horizontal	Pass
3**	4880.000	46.92	54.0	7.08	AV	291.00	150	Horizontal	Pass
4	7546.250	44.41	74.0	29.59	Peak	45.00	400	Horizontal	Pass
4**	7546.250	35.29	54.0	18.71	AV	45.00	400	Horizontal	Pass
5	12209.787	47.63	74.0	26.37	Peak	79.00	150	Horizontal	Pass
5**	12209.787	37.56	54.0	16.44	AV	79.00	150	Horizontal	Pass
6	15858.000	52.03	74.0	21.97	Peak	230.00	100	Horizontal	Pass
6**	15858.000	43.37	54.0	10.63	AV	230.00	100	Horizontal	Pass

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

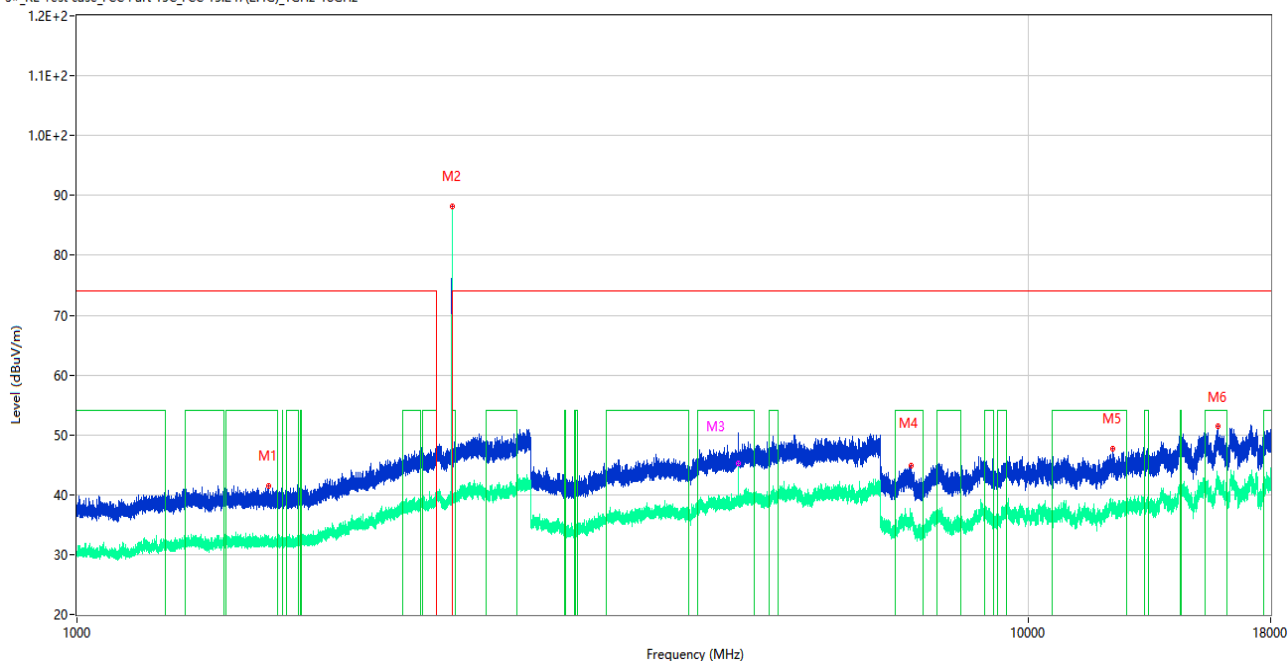
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.000	41.79	74.0	32.21	Peak	7.00	200	Vertical	Pass
1**	1480.000	33.28	54.0	20.72	AV	7.00	200	Vertical	Pass
2	2439.800	92.93	--	--	Peak	224.00	150	Vertical	N/A
2**	2439.800	92.21	--	--	AV	224.00	150	Vertical	N/A
3	4879.800	48.49	74.0	25.51	Peak	260.00	150	Vertical	Pass
3**	4879.800	44.81	54.0	9.19	AV	260.00	150	Vertical	Pass
4	7578.737	45.03	74.0	28.97	Peak	16.00	100	Vertical	Pass
4**	7578.737	34.80	54.0	19.20	AV	16.00	100	Vertical	Pass
5	12607.112	47.37	74.0	26.63	Peak	327.00	200	Vertical	Pass
5**	12607.112	37.94	54.0	16.06	AV	327.00	200	Vertical	Pass
6	16041.750	50.59	74.0	23.41	Peak	0.00	400	Vertical	Pass
6**	16041.750	40.43	54.0	13.57	AV	0.00	400	Vertical	Pass

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

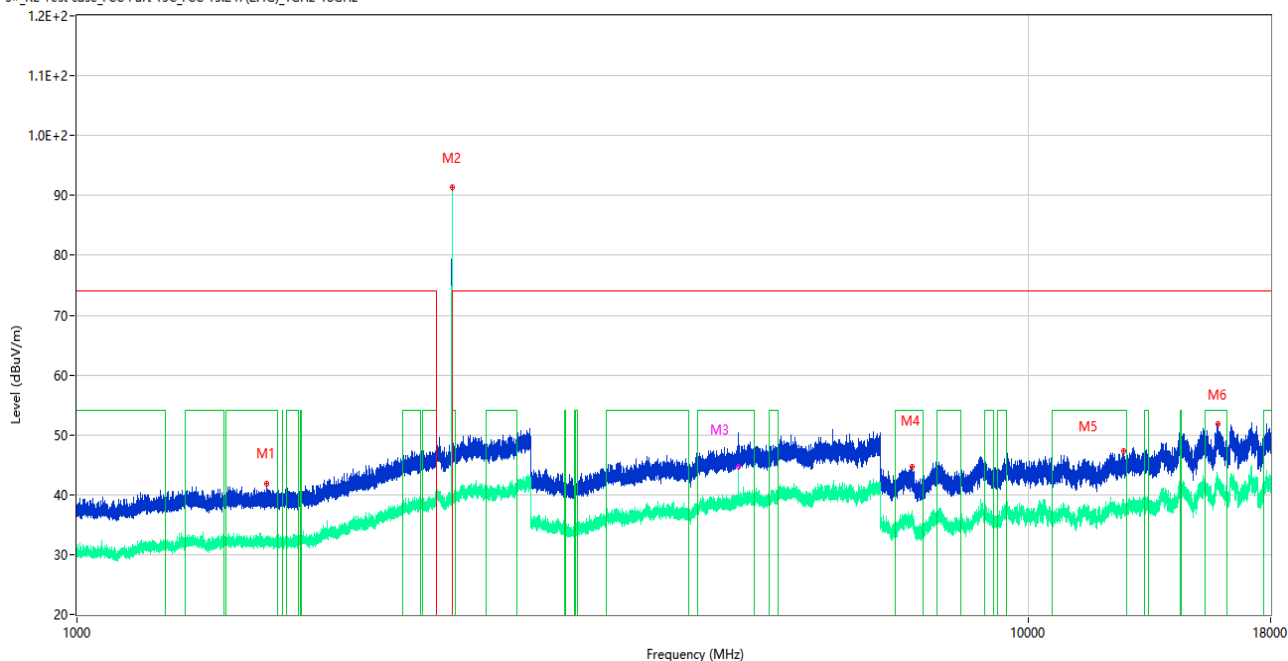
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1589.500	41.51	74.0	32.49	Peak	107.00	100	Horizontal	Pass
1**	1589.500	32.41	54.0	21.59	AV	107.00	100	Horizontal	Pass
2	2480.300	88.21	--	--	Peak	325.00	100	Horizontal	N/A
2**	2480.300	86.82	--	--	AV	325.00	100	Horizontal	N/A
3	4960.400	49.56	74.0	24.44	Peak	114.00	150	Horizontal	Pass
3**	4960.400	45.31	54.0	8.69	AV	114.00	150	Horizontal	Pass
4	7541.650	44.88	74.0	29.12	Peak	31.00	100	Horizontal	Pass
4**	7541.650	35.49	54.0	18.51	AV	31.00	100	Horizontal	Pass
5	12291.438	47.75	74.0	26.25	Peak	118.00	150	Horizontal	Pass
5**	12291.438	38.16	54.0	15.84	AV	118.00	150	Horizontal	Pass
6	15839.625	51.42	74.0	22.58	Peak	232.00	100	Horizontal	Pass
6**	15839.625	41.91	54.0	12.09	AV	232.00	100	Horizontal	Pass

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

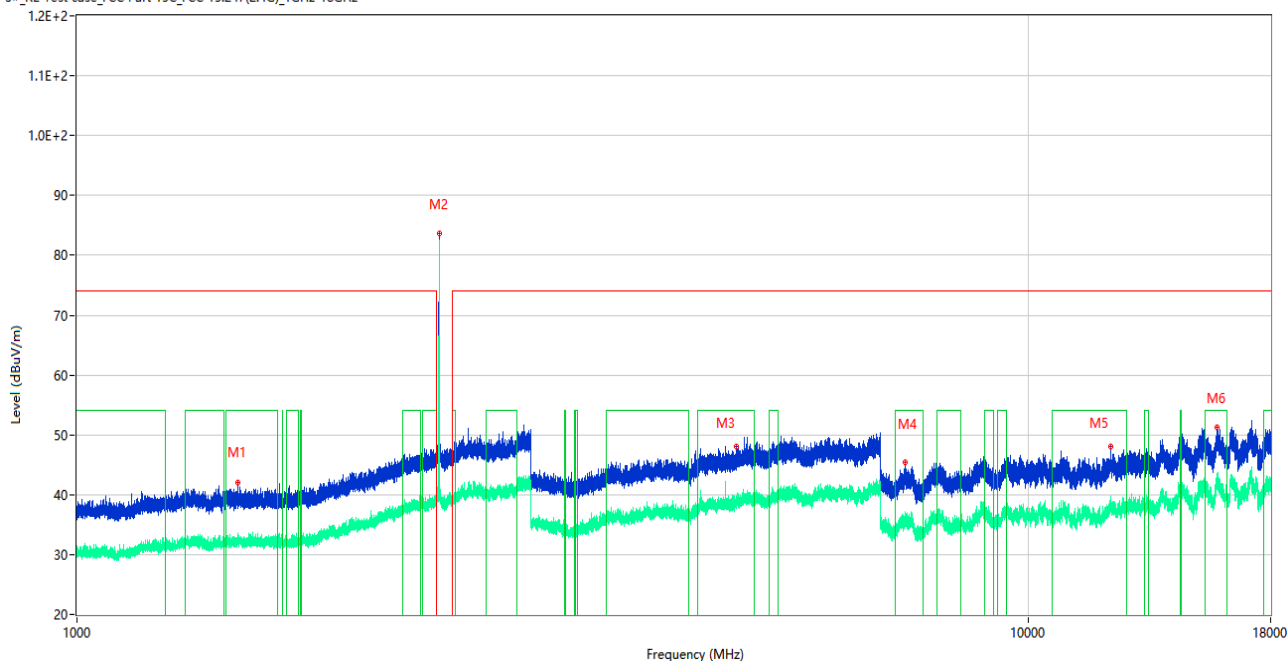
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.100	41.84	74.0	32.16	Peak	197.00	200	Vertical	Pass
1**	1583.100	32.04	54.0	21.96	AV	197.00	200	Vertical	Pass
2	2480.200	91.34	--	--	Peak	344.00	200	Vertical	N/A
2**	2480.200	90.41	--	--	AV	344.00	200	Vertical	N/A
3	4959.800	48.52	74.0	25.48	Peak	250.00	150	Vertical	Pass
3**	4959.800	44.75	54.0	9.25	AV	250.00	150	Vertical	Pass
4	7547.400	44.69	74.0	29.31	Peak	190.00	300	Vertical	Pass
4**	7547.400	36.32	54.0	17.68	AV	190.00	300	Vertical	Pass
5	12615.737	47.27	74.0	26.73	Peak	328.00	100	Vertical	Pass
5**	12615.737	39.01	54.0	14.99	AV	328.00	100	Vertical	Pass
6	15843.299	51.75	74.0	22.25	Peak	73.00	400	Vertical	Pass
6**	15843.299	41.52	54.0	12.48	AV	73.00	400	Vertical	Pass

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

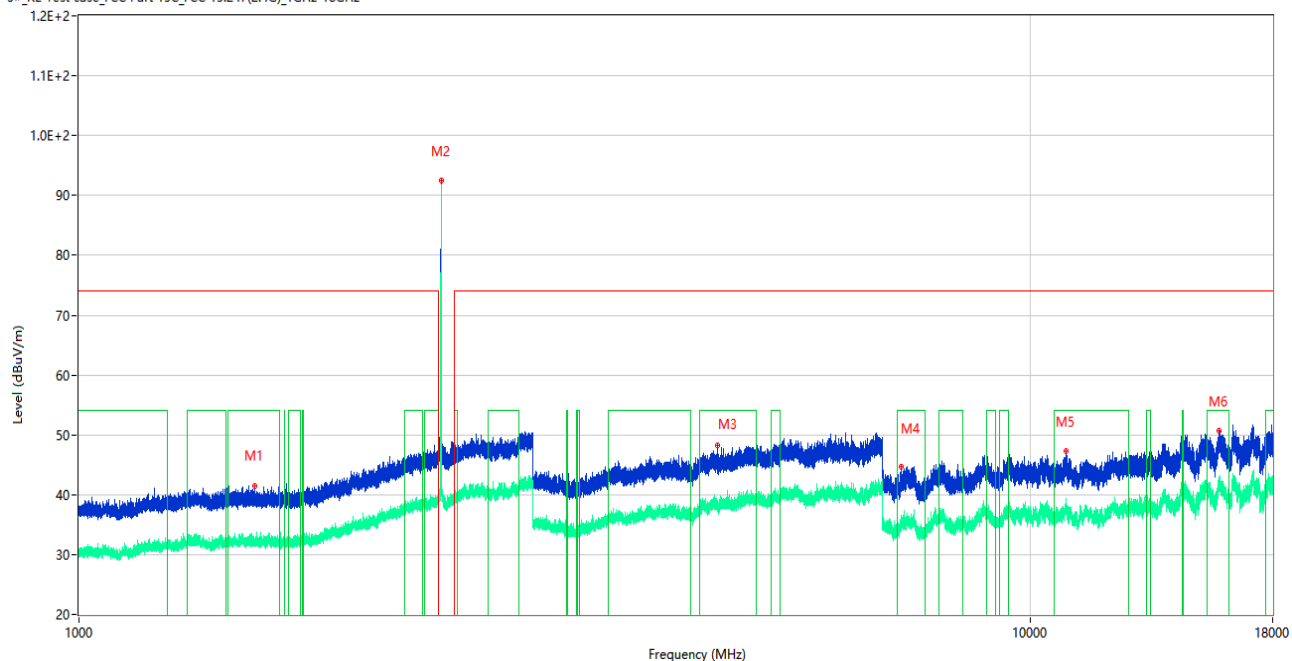
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.000	42.11	74.0	31.89	Peak	319.00	100	Horizontal	Pass
1**	1475.000	32.04	54.0	21.96	AV	319.00	100	Horizontal	Pass
2	2404.500	83.63	--	--	Peak	306.00	150	Horizontal	N/A
2**	2404.500	81.61	--	--	AV	306.00	150	Horizontal	N/A
3	4932.800	48.08	74.0	25.92	Peak	167.00	150	Horizontal	Pass
3**	4932.800	38.35	54.0	15.65	AV	167.00	150	Horizontal	Pass
4	7422.913	45.45	74.0	28.55	Peak	33.00	400	Horizontal	Pass
4**	7422.913	35.83	54.0	18.17	AV	33.00	400	Horizontal	Pass
5	12208.925	48.13	74.0	25.87	Peak	16.00	150	Horizontal	Pass
5**	12208.925	39.03	54.0	14.97	AV	16.00	150	Horizontal	Pass
6	15806.026	51.21	74.0	22.79	Peak	114.00	300	Horizontal	Pass
6**	15806.026	42.05	54.0	11.95	AV	114.00	300	Horizontal	Pass

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

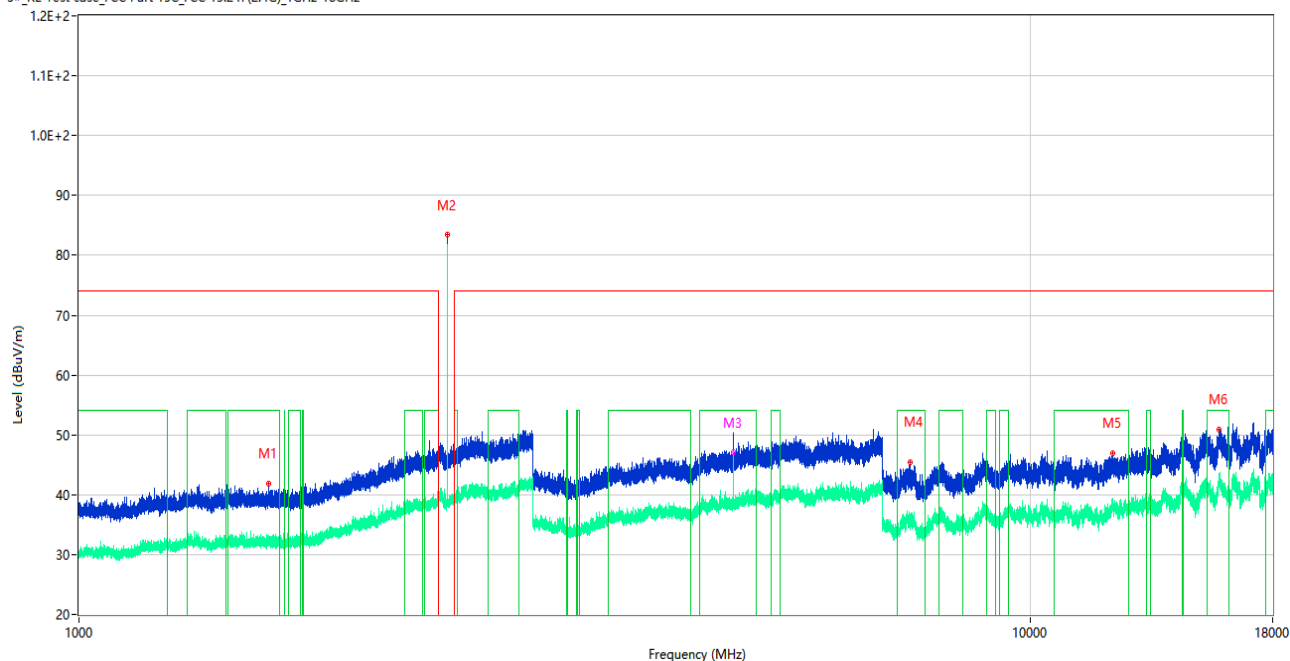
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.300	41.54	74.0	32.46	Peak	360.00	200	Vertical	Pass
1**	1530.300	31.69	54.0	22.31	AV	360.00	200	Vertical	Pass
2	2404.500	92.49	--	--	Peak	338.00	100	Vertical	N/A
2**	2404.500	90.23	--	--	AV	338.00	100	Vertical	N/A
3	4696.600	48.24	74.0	25.76	Peak	0.00	150	Vertical	Pass
3**	4696.600	38.08	54.0	15.92	AV	0.00	150	Vertical	Pass
4	7329.475	44.70	74.0	29.30	Peak	15.00	100	Vertical	Pass
4**	7329.475	35.24	54.0	18.76	AV	15.00	100	Vertical	Pass
5	10916.037	47.22	74.0	26.78	Peak	85.00	150	Vertical	Pass
5**	10916.037	39.41	54.0	14.59	AV	85.00	150	Vertical	Pass
6	15792.638	50.68	74.0	23.32	Peak	170.00	150	Vertical	Pass
6**	15792.638	42.92	54.0	11.08	AV	170.00	150	Vertical	Pass

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

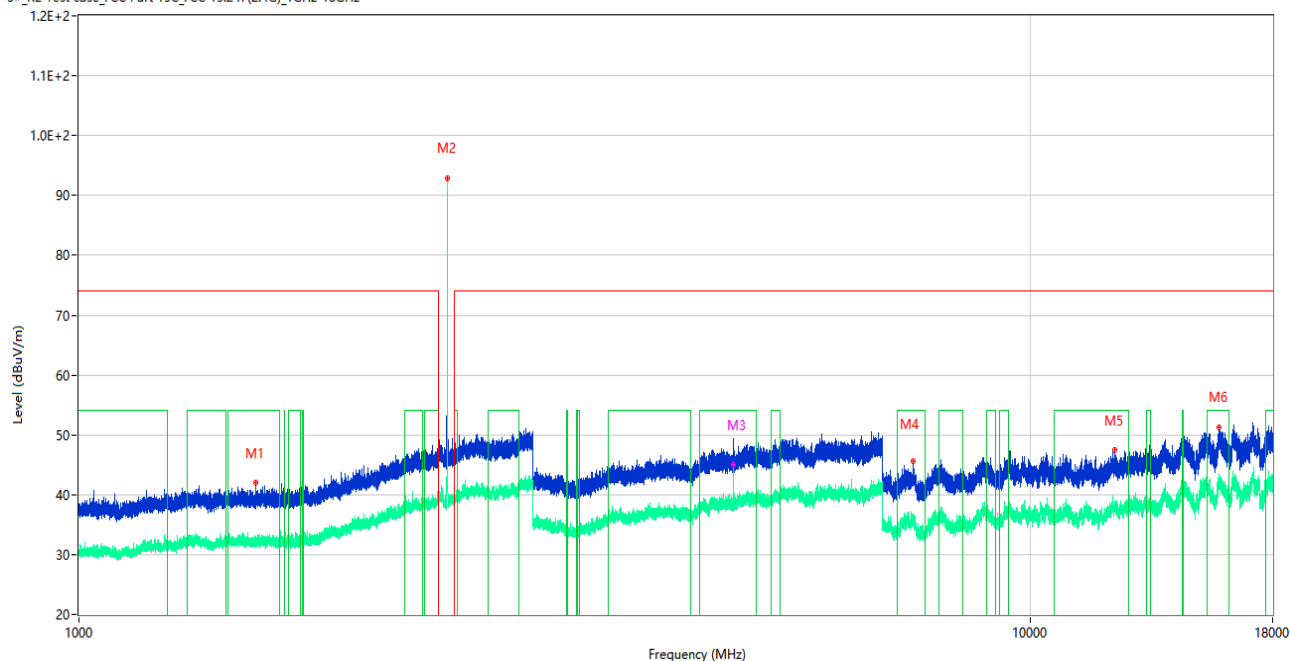
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.400	41.85	74.0	32.15	Peak	83.00	400	Horizontal	Pass
1**	1583.400	32.55	54.0	21.45	AV	83.00	400	Horizontal	Pass
2	2439.400	83.45	--	--	Peak	344.00	200	Horizontal	N/A
2**	2439.400	79.75	--	--	AV	344.00	200	Horizontal	N/A
3	4879.200	49.84	74.0	24.16	Peak	285.00	150	Horizontal	Pass
3**	4879.200	47.04	54.0	6.96	AV	285.00	150	Horizontal	Pass
4	7476.675	45.47	74.0	28.53	Peak	13.00	100	Horizontal	Pass
4**	7476.675	35.68	54.0	18.32	AV	13.00	100	Horizontal	Pass
5	12208.062	46.93	74.0	27.07	Peak	0.00	100	Horizontal	Pass
5**	12208.062	38.34	54.0	15.66	AV	0.00	100	Horizontal	Pass
6	15796.050	50.90	74.0	23.10	Peak	151.00	400	Horizontal	Pass
6**	15796.050	41.75	54.0	12.25	AV	151.00	400	Horizontal	Pass

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

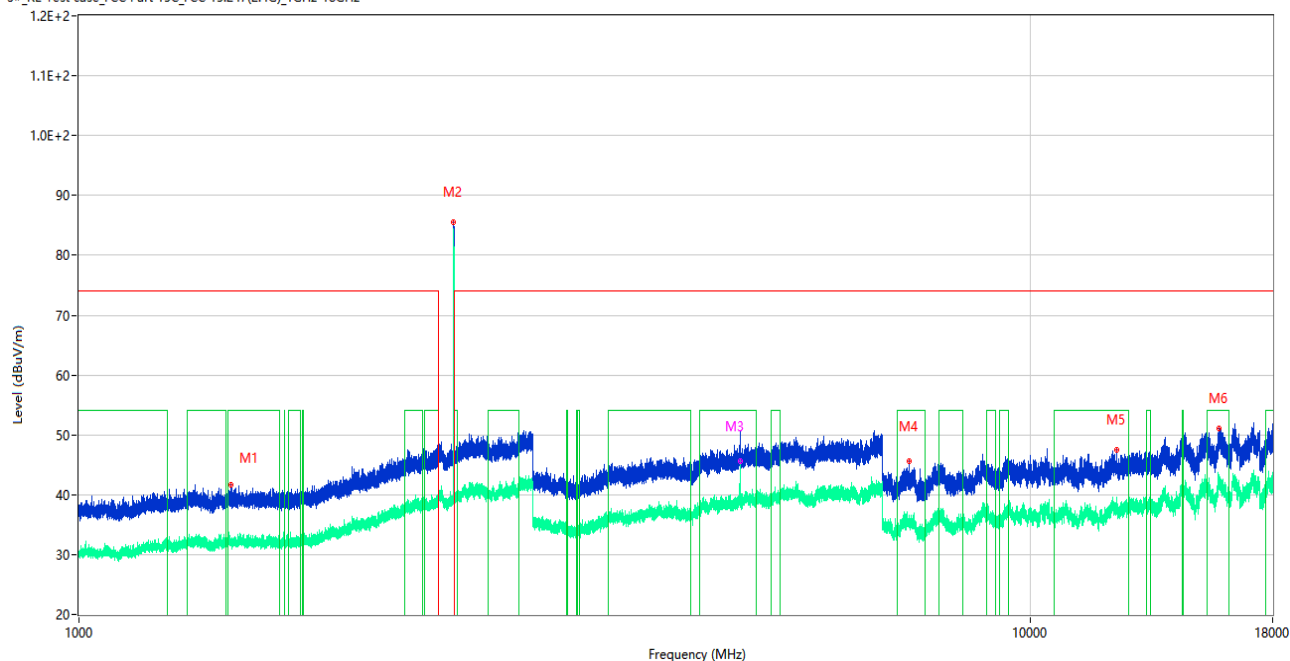
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.100	41.95	74.0	32.05	Peak	139.00	200	Vertical	Pass
1**	1534.100	32.22	54.0	21.78	AV	139.00	200	Vertical	Pass
2	2439.500	92.88	--	--	Peak	236.00	150	Vertical	N/A
2**	2439.500	92.26	--	--	AV	236.00	150	Vertical	N/A
3	4879.200	47.74	74.0	26.26	Peak	249.00	150	Vertical	Pass
3**	4879.200	45.03	54.0	8.97	AV	249.00	150	Vertical	Pass
4	7533.025	45.62	74.0	28.38	Peak	312.00	400	Vertical	Pass
4**	7533.025	34.87	54.0	19.13	AV	312.00	400	Vertical	Pass
5	12273.901	47.41	74.0	26.59	Peak	329.00	200	Vertical	Pass
5**	12273.901	38.50	54.0	15.50	AV	329.00	200	Vertical	Pass
6	15796.050	51.20	74.0	22.80	Peak	347.00	150	Vertical	Pass
6**	15796.050	42.84	54.0	11.16	AV	347.00	150	Vertical	Pass

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

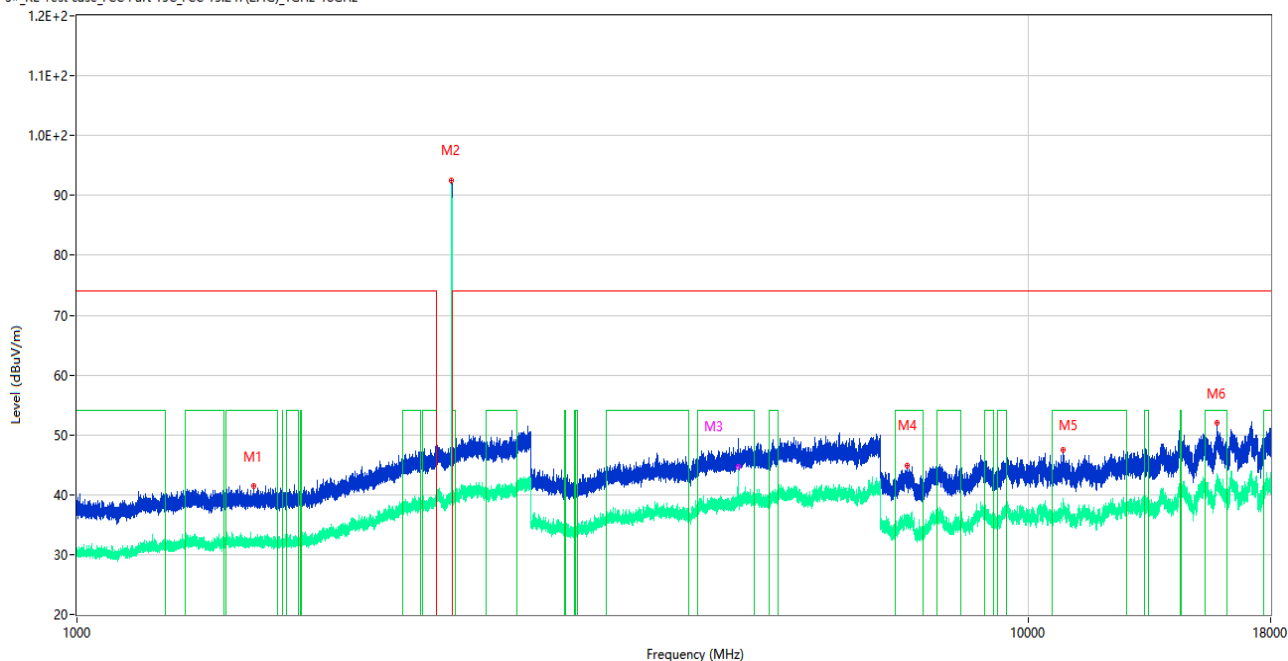
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.500	41.68	74.0	32.32	Peak	0.00	300	Horizontal	Pass
1**	1443.500	32.19	54.0	21.81	AV	0.00	300	Horizontal	Pass
2	2477.500	85.57	--	--	Peak	312.00	100	Horizontal	N/A
2**	2477.500	82.98	--	--	AV	312.00	100	Horizontal	N/A
3	4955.400	50.57	74.0	23.43	Peak	272.00	150	Horizontal	Pass
3**	4955.400	45.54	54.0	8.46	AV	272.00	150	Horizontal	Pass
4	7465.750	45.59	74.0	28.41	Peak	241.00	100	Horizontal	Pass
4**	7465.750	36.05	54.0	17.95	AV	241.00	100	Horizontal	Pass
5	12340.600	47.53	74.0	26.47	Peak	276.00	200	Horizontal	Pass
5**	12340.600	39.63	54.0	14.37	AV	276.00	200	Horizontal	Pass
6	15810.224	51.13	74.0	22.87	Peak	74.00	100	Horizontal	Pass
6**	15810.224	41.86	54.0	12.14	AV	74.00	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	1535.100	41.46	74.0	32.54	Peak	300.00	100	Vertical	Pass
1**	1535.100	32.25	54.0	21.75	AV	300.00	100	Vertical	Pass
2	2478.500	92.52	--	--	Peak	0.00	100	Vertical	N/A
2**	2478.500	90.50	--	--	AV	0.00	100	Vertical	N/A
3	4955.200	49.02	74.0	24.98	Peak	282.00	150	Vertical	Pass
3**	4955.200	44.67	54.0	9.33	AV	282.00	150	Vertical	Pass
4	7467.188	44.89	74.0	29.11	Peak	207.00	300	Vertical	Pass
4**	7467.188	35.72	54.0	18.28	AV	207.00	300	Vertical	Pass
5	10888.438	47.53	74.0	26.47	Peak	224.00	100	Vertical	Pass
5**	10888.438	36.90	54.0	17.10	AV	224.00	100	Vertical	Pass
6	15798.938	51.93	74.0	22.07	Peak	0.00	100	Vertical	Pass
6**	15798.938	40.46	54.0	13.54	AV	0.00	100	Vertical	Pass

Right Ear

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

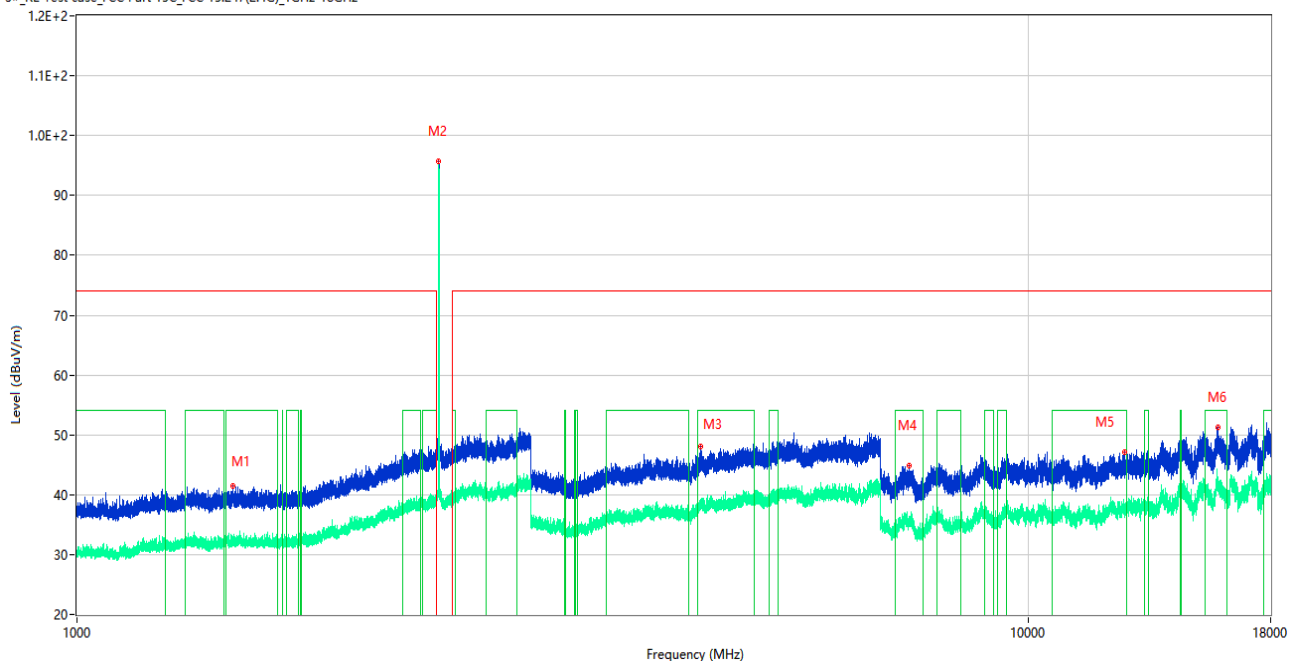
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.700	41.46	74.0	32.54	Peak	248.00	200	Horizontal	Pass
1**	1479.700	31.88	54.0	22.12	AV	248.00	200	Horizontal	Pass
2	2402.300	84.30	--	--	Peak	1.00	150	Horizontal	N/A
2**	2402.300	83.24	--	--	AV	1.00	150	Horizontal	N/A
3	4832.000	47.59	74.0	26.41	Peak	205.00	150	Horizontal	Pass
3**	4832.000	38.38	54.0	15.62	AV	205.00	150	Horizontal	Pass
4	7549.125	45.16	74.0	28.84	Peak	190.00	100	Horizontal	Pass
4**	7549.125	36.08	54.0	17.92	AV	190.00	100	Horizontal	Pass
5	12278.213	47.76	74.0	26.24	Peak	190.00	150	Horizontal	Pass
5**	12278.213	37.31	54.0	16.69	AV	190.00	150	Horizontal	Pass
6	15803.662	51.07	74.0	22.93	Peak	94.00	400	Horizontal	Pass
6**	15803.662	42.10	54.0	11.90	AV	94.00	400	Horizontal	Pass

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

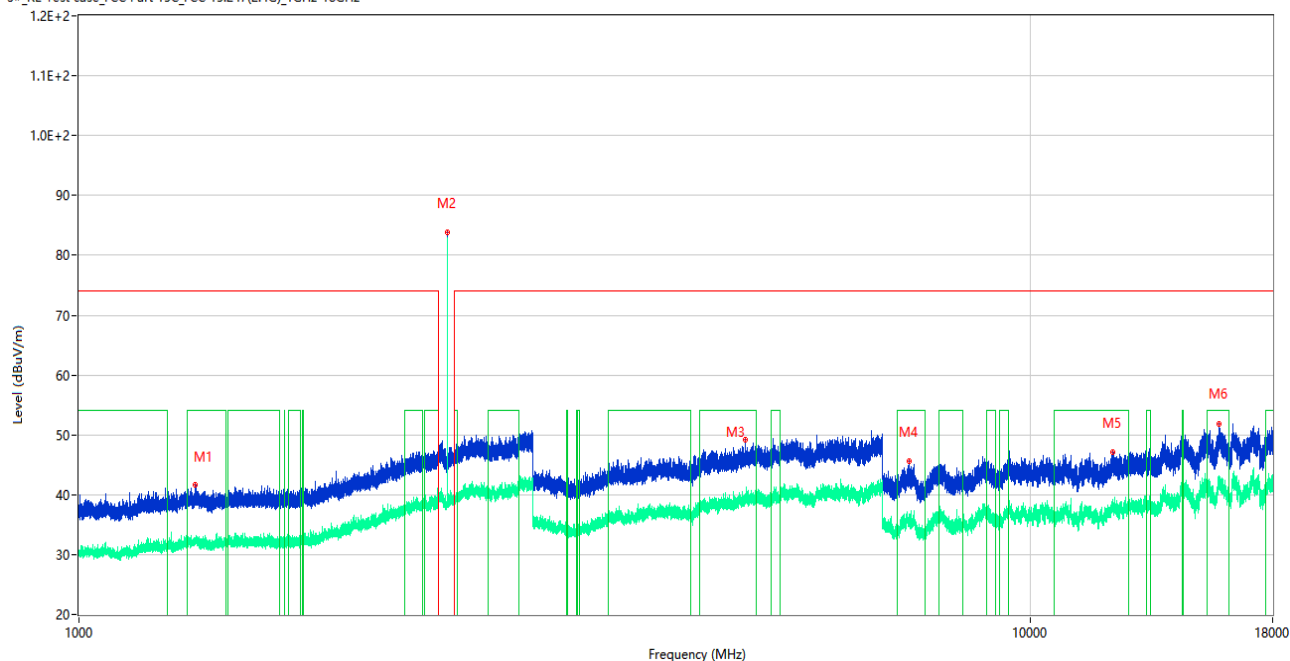
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.400	41.51	74.0	32.49	Peak	298.00	100	Vertical	Pass
1**	1458.400	32.72	54.0	21.28	AV	298.00	100	Vertical	Pass
2	2401.700	95.73	--	--	Peak	150.00	200	Vertical	N/A
2**	2401.700	94.06	--	--	AV	150.00	200	Vertical	N/A
3	4527.000	48.05	74.0	25.95	Peak	329.00	100	Vertical	Pass
3**	4527.000	37.85	54.0	16.15	AV	329.00	100	Vertical	Pass
4	7501.687	44.77	74.0	29.23	Peak	138.00	200	Vertical	Pass
4**	7501.687	35.96	54.0	18.04	AV	138.00	200	Vertical	Pass
5	12643.912	47.21	74.0	26.79	Peak	259.00	200	Vertical	Pass
5**	12643.912	36.80	54.0	17.20	AV	259.00	200	Vertical	Pass
6	15851.700	51.28	74.0	22.72	Peak	37.00	150	Vertical	Pass
6**	15851.700	42.38	54.0	11.62	AV	37.00	150	Vertical	Pass

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

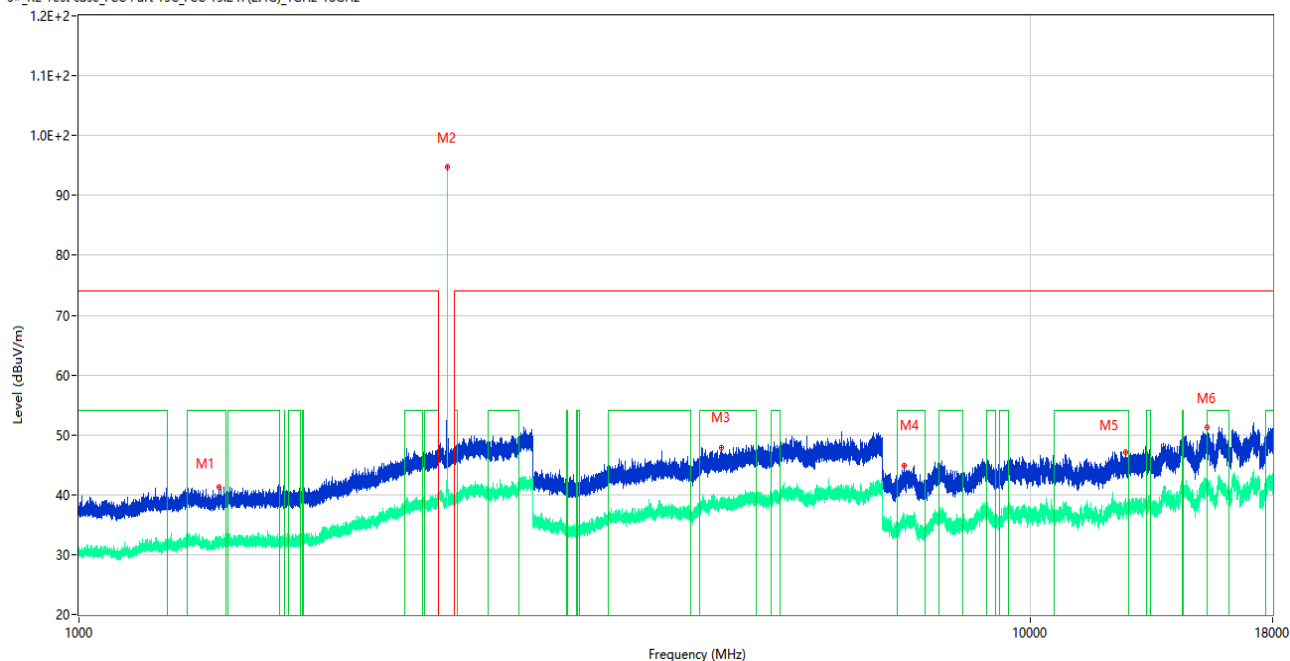
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1324.800	41.59	74.0	32.41	Peak	215.00	100	Horizontal	Pass
1**	1324.800	32.30	54.0	21.70	AV	215.00	100	Horizontal	Pass
2	2439.700	83.79	--	--	Peak	355.00	100	Horizontal	N/A
2**	2439.700	82.12	--	--	AV	355.00	100	Horizontal	N/A
3	5022.800	49.11	74.0	24.89	Peak	51.00	150	Horizontal	Pass
3**	5022.800	39.63	54.0	14.37	AV	51.00	150	Horizontal	Pass
4	7465.175	45.59	74.0	28.41	Peak	360.00	300	Horizontal	Pass
4**	7465.175	35.54	54.0	18.46	AV	360.00	300	Horizontal	Pass
5	12224.162	47.03	74.0	26.97	Peak	49.00	200	Horizontal	Pass
5**	12224.162	37.68	54.0	16.32	AV	49.00	200	Horizontal	Pass
6	15811.013	51.83	74.0	22.17	Peak	0.00	300	Horizontal	Pass
6**	15811.013	41.88	54.0	12.12	AV	0.00	300	Horizontal	Pass

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

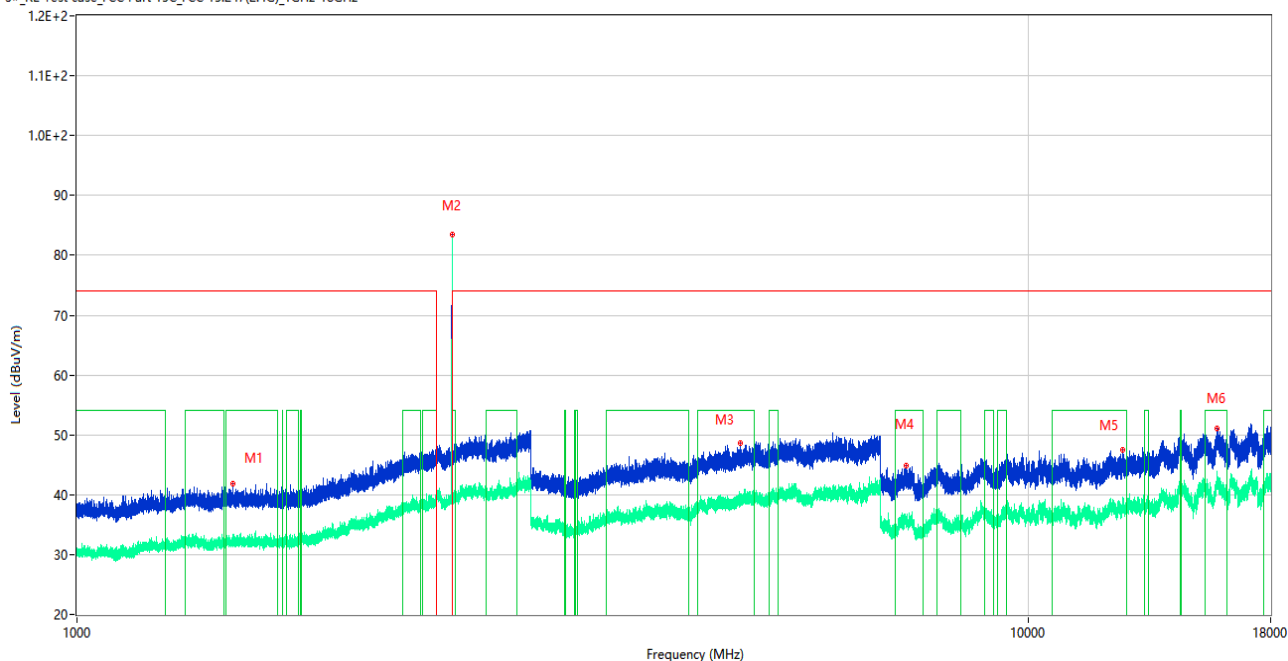
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1404.700	41.35	74.0	32.65	Peak	296.00	200	Vertical	Pass
1**	1404.700	31.59	54.0	22.41	AV	296.00	200	Vertical	Pass
2	2439.700	94.74	--	--	Peak	160.00	150	Vertical	N/A
2**	2439.700	92.87	--	--	AV	160.00	150	Vertical	N/A
3	4737.200	47.92	74.0	26.08	Peak	352.00	100	Vertical	Pass
3**	4737.200	38.34	54.0	15.66	AV	352.00	100	Vertical	Pass
4	7382.663	44.91	74.0	29.09	Peak	119.00	400	Vertical	Pass
4**	7382.663	36.06	54.0	17.94	AV	119.00	400	Vertical	Pass
5	12599.925	47.21	74.0	26.79	Peak	0.00	150	Vertical	Pass
5**	12599.925	38.20	54.0	15.80	AV	0.00	150	Vertical	Pass
6	15356.100	51.24	74.0	22.76	Peak	151.00	300	Vertical	Pass
6**	15356.100	41.11	54.0	12.89	AV	151.00	300	Vertical	Pass

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

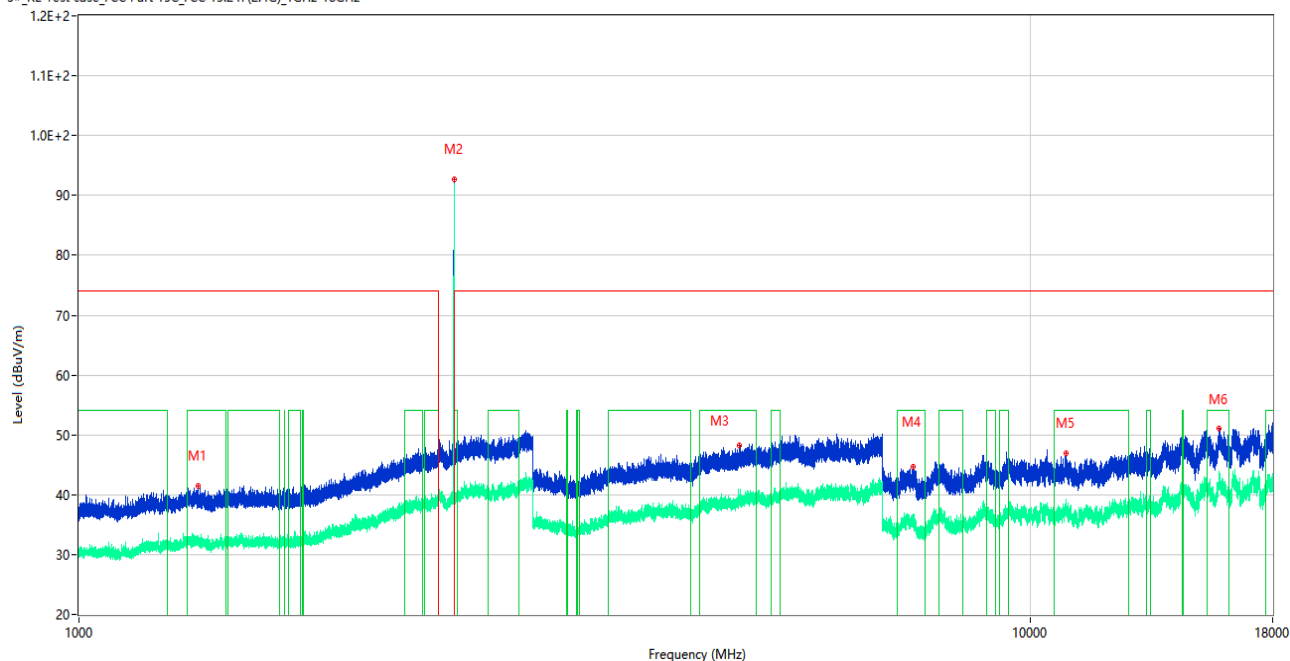
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.900	41.83	74.0	32.17	Peak	206.00	400	Horizontal	Pass
1**	1457.900	32.70	54.0	21.30	AV	206.00	400	Horizontal	Pass
2	2479.700	83.38	--	--	Peak	0.00	150	Horizontal	N/A
2**	2479.700	82.09	--	--	AV	0.00	150	Horizontal	N/A
3	4982.400	48.71	74.0	25.29	Peak	337.00	100	Horizontal	Pass
3**	4982.400	39.12	54.0	14.88	AV	337.00	100	Horizontal	Pass
4	7441.888	44.78	74.0	29.22	Peak	50.00	300	Horizontal	Pass
4**	7441.888	34.88	54.0	19.12	AV	50.00	300	Horizontal	Pass
5	12567.151	47.47	74.0	26.53	Peak	85.00	100	Horizontal	Pass
5**	12567.151	37.53	54.0	16.47	AV	85.00	100	Horizontal	Pass
6	15807.863	51.11	74.0	22.89	Peak	208.00	100	Horizontal	Pass
6**	15807.863	42.26	54.0	11.74	AV	208.00	100	Horizontal	Pass

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

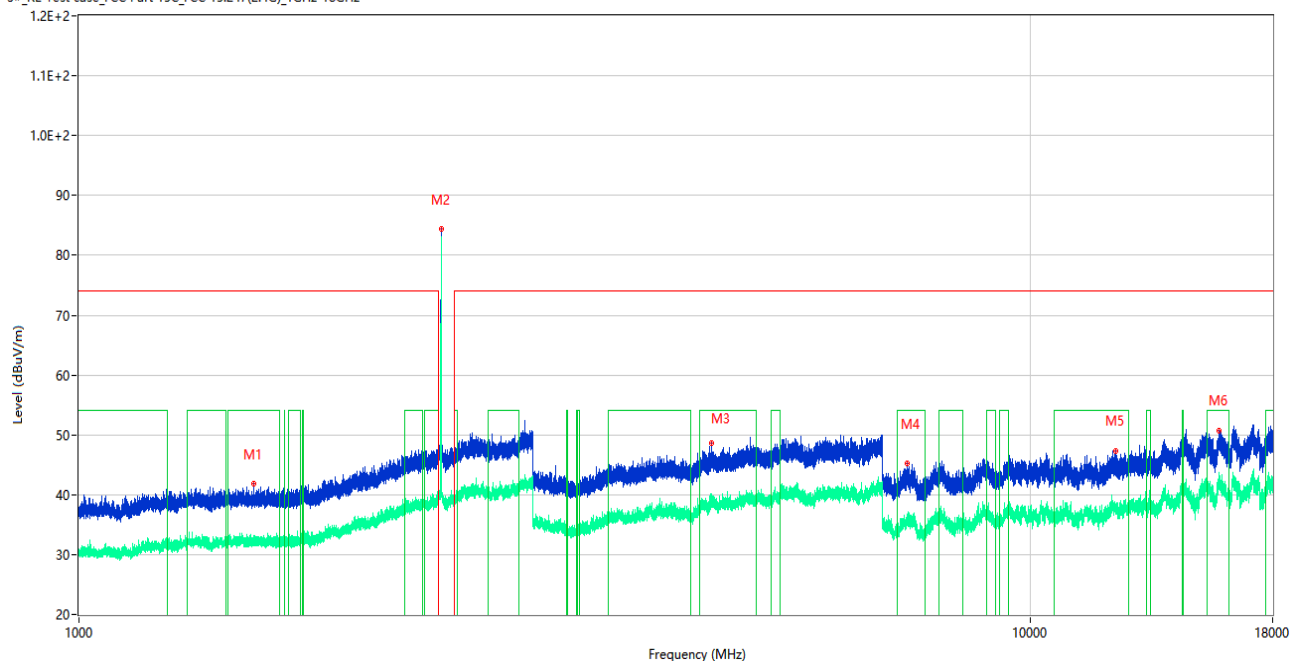
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.000	41.55	74.0	32.45	Peak	119.00	300	Vertical	Pass
1**	1336.000	31.87	54.0	22.13	AV	119.00	300	Vertical	Pass
2	2479.700	92.76	--	--	Peak	139.00	100	Vertical	N/A
2**	2479.700	91.17	--	--	AV	139.00	100	Vertical	N/A
3	4943.800	48.21	74.0	25.79	Peak	258.00	200	Vertical	Pass
3**	4943.800	39.15	54.0	14.85	AV	258.00	200	Vertical	Pass
4	7541.938	44.72	74.0	29.28	Peak	32.00	100	Vertical	Pass
4**	7541.938	35.72	54.0	18.28	AV	32.00	100	Vertical	Pass
5	10910.287	47.02	74.0	26.98	Peak	102.00	100	Vertical	Pass
5**	10910.287	38.17	54.0	15.83	AV	102.00	100	Vertical	Pass
6	15799.987	51.02	74.0	22.98	Peak	0.00	100	Vertical	Pass
6**	15799.987	42.39	54.0	11.61	AV	0.00	100	Vertical	Pass

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

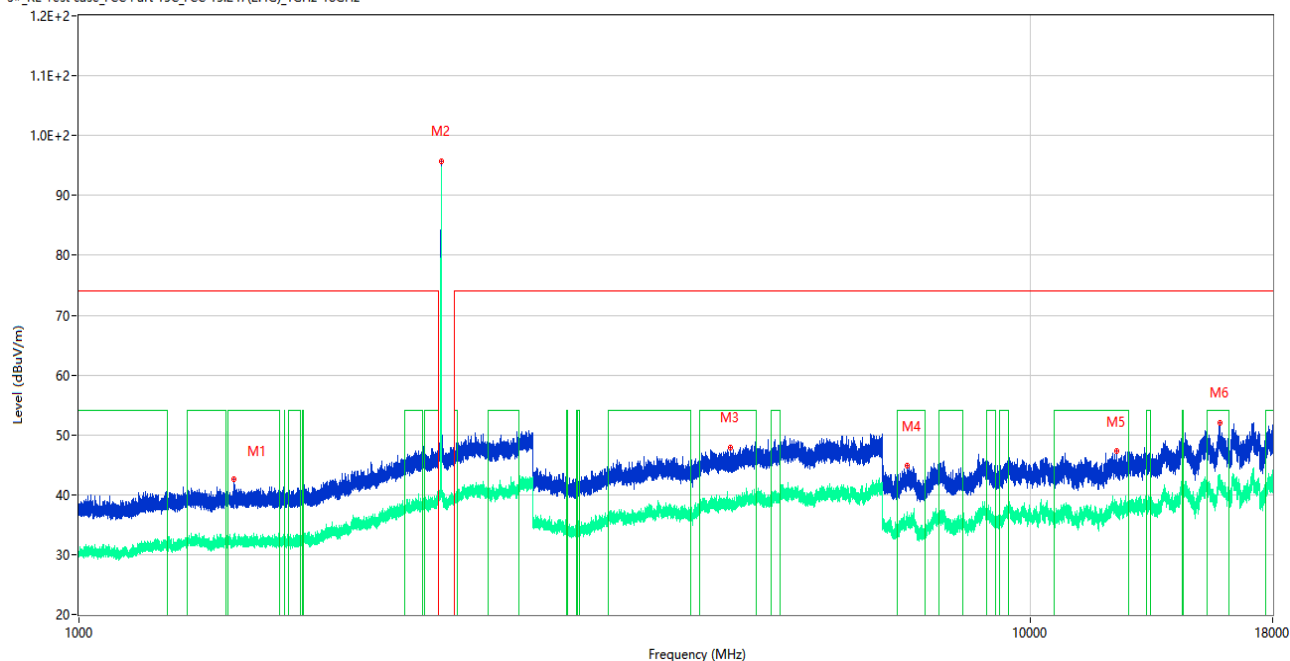
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.700	41.78	74.0	32.22	Peak	354.00	100	Horizontal	Pass
1**	1526.700	31.85	54.0	22.15	AV	354.00	100	Horizontal	Pass
2	2403.500	84.36	--	--	Peak	348.00	150	Horizontal	N/A
2**	2403.500	82.63	--	--	AV	348.00	150	Horizontal	N/A
3	4626.400	48.60	74.0	25.40	Peak	328.00	150	Horizontal	Pass
3**	4626.400	39.78	54.0	14.22	AV	328.00	150	Horizontal	Pass
4	7438.437	45.14	74.0	28.86	Peak	328.00	400	Horizontal	Pass
4**	7438.437	35.47	54.0	18.53	AV	328.00	400	Horizontal	Pass
5	12298.338	47.37	74.0	26.63	Peak	172.00	200	Horizontal	Pass
5**	12298.338	38.16	54.0	15.84	AV	172.00	200	Horizontal	Pass
6	15795.787	50.77	74.0	23.23	Peak	343.00	100	Horizontal	Pass
6**	15795.787	41.95	54.0	12.05	AV	343.00	100	Horizontal	Pass

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

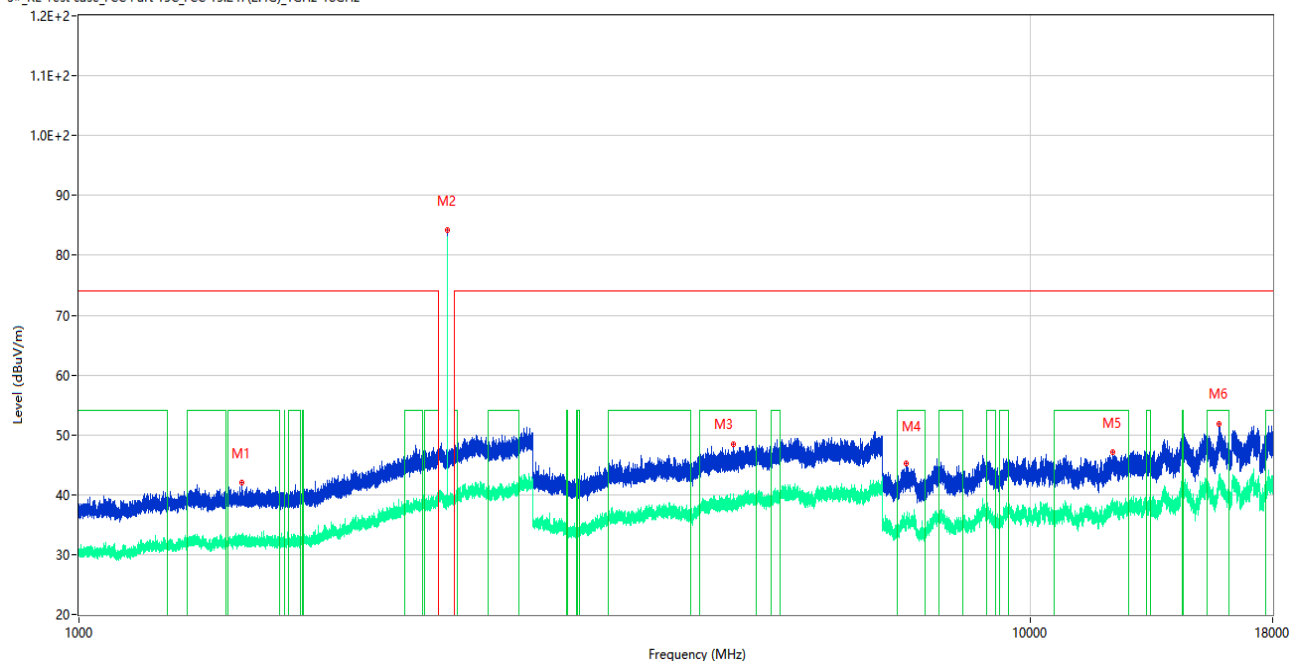
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.900	42.57	74.0	31.43	Peak	0.00	400	Vertical	Pass
1**	1456.900	32.54	54.0	21.46	AV	0.00	400	Vertical	Pass
2	2403.500	95.70	--	--	Peak	175.00	150	Vertical	N/A
2**	2403.500	94.70	--	--	AV	175.00	150	Vertical	N/A
3	4843.200	47.94	74.0	26.06	Peak	337.00	200	Vertical	Pass
3**	4843.200	38.69	54.0	15.31	AV	337.00	200	Vertical	Pass
4	7428.663	44.84	74.0	29.16	Peak	172.00	400	Vertical	Pass
4**	7428.663	35.44	54.0	18.56	AV	172.00	400	Vertical	Pass
5	12333.700	47.25	74.0	26.75	Peak	155.00	100	Vertical	Pass
5**	12333.700	38.27	54.0	15.73	AV	155.00	100	Vertical	Pass
6	15849.075	52.11	74.0	21.89	Peak	190.00	300	Vertical	Pass
6**	15849.075	42.15	54.0	11.85	AV	190.00	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	1482.000	41.96	74.0	32.04	Peak	280.00	100	Horizontal	Pass
1**	1482.000	31.49	54.0	22.51	AV	280.00	100	Horizontal	Pass
2	2439.500	84.16	--	--	Peak	45.00	150	Horizontal	N/A
2**	2439.500	82.47	--	--	AV	45.00	150	Horizontal	N/A
3	4879.200	48.44	74.0	25.56	Peak	180.00	100	Horizontal	Pass
3**	4879.200	40.16	54.0	13.84	AV	180.00	100	Horizontal	Pass
4	7420.325	45.23	74.0	28.77	Peak	348.00	100	Horizontal	Pass
4**	7420.325	36.19	54.0	17.81	AV	348.00	100	Horizontal	Pass
5	12218.412	47.04	74.0	26.96	Peak	225.00	100	Horizontal	Pass
5**	12218.412	38.43	54.0	15.57	AV	225.00	100	Horizontal	Pass
6	15803.924	51.86	74.0	22.14	Peak	285.00	150	Horizontal	Pass
6**	15803.924	42.66	54.0	11.34	AV	285.00	150	Horizontal	Pass

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

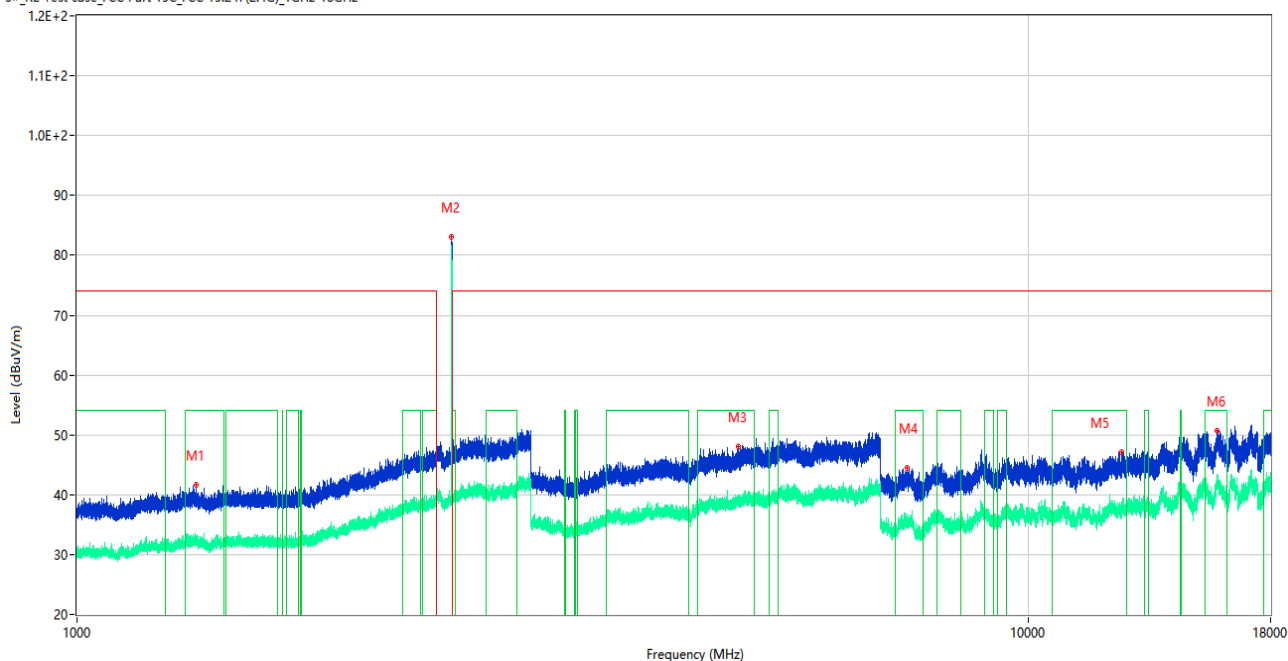
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.500	41.67	74.0	32.33	Peak	18.00	100	Vertical	Pass
1**	1468.500	31.23	54.0	22.77	AV	18.00	100	Vertical	Pass
2	2439.900	94.45	--	--	Peak	173.00	150	Vertical	N/A
2**	2439.900	92.67	--	--	AV	173.00	150	Vertical	N/A
3	4773.400	48.35	74.0	25.65	Peak	29.00	100	Vertical	Pass
3**	4773.400	38.17	54.0	15.83	AV	29.00	100	Vertical	Pass
4	7476.388	44.56	74.0	29.44	Peak	155.00	200	Vertical	Pass
4**	7476.388	34.88	54.0	19.12	AV	155.00	200	Vertical	Pass
5	11414.850	47.76	74.0	26.24	Peak	138.00	100	Vertical	Pass
5**	11414.850	37.09	54.0	16.91	AV	138.00	100	Vertical	Pass
6	15898.951	51.40	74.0	22.60	Peak	172.00	200	Vertical	Pass
6**	15898.951	40.87	54.0	13.13	AV	172.00	200	Vertical	Pass

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

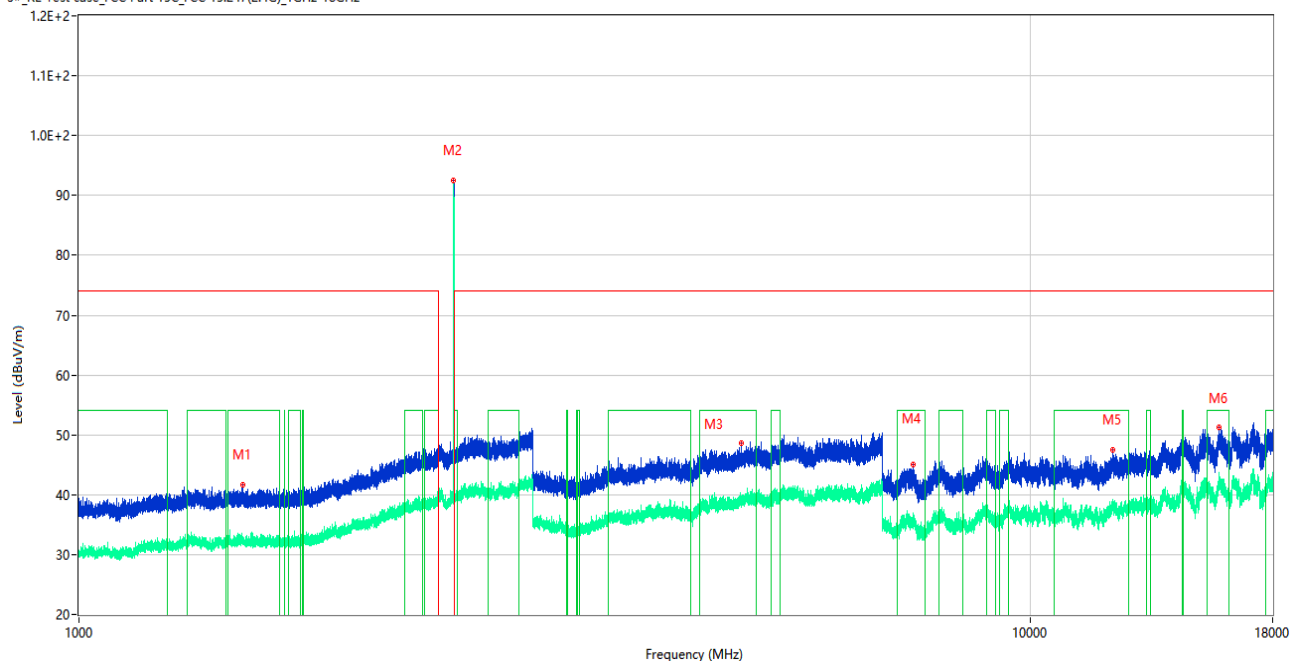
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.100	41.63	74.0	32.37	Peak	330.00	100	Horizontal	Pass
1**	1334.100	32.50	54.0	21.50	AV	330.00	100	Horizontal	Pass
2	2478.500	83.04	--	--	Peak	25.00	100	Horizontal	N/A
2**	2478.500	79.95	--	--	AV	25.00	100	Horizontal	N/A
3	4966.000	48.05	74.0	25.95	Peak	351.00	200	Horizontal	Pass
3**	4966.000	39.21	54.0	14.79	AV	351.00	200	Horizontal	Pass
4	7464.888	44.41	74.0	29.59	Peak	279.00	400	Horizontal	Pass
4**	7464.888	35.61	54.0	18.39	AV	279.00	400	Horizontal	Pass
5	12552.776	47.11	74.0	26.89	Peak	121.00	200	Horizontal	Pass
5**	12552.776	37.22	54.0	16.78	AV	121.00	200	Horizontal	Pass
6	15802.613	50.66	74.0	23.34	Peak	305.00	150	Horizontal	Pass
6**	15802.613	42.58	54.0	11.42	AV	305.00	150	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	1485.700	41.57	74.0	32.43	Peak	0.00	150	Vertical	Pass
1**	1485.700	32.85	54.0	21.15	AV	0.00	150	Vertical	Pass
2	2478.600	92.54	--	--	Peak	136.00	200	Vertical	N/A
2**	2478.600	89.45	--	--	AV	136.00	200	Vertical	N/A
3	4975.200	48.62	74.0	25.38	Peak	360.00	150	Vertical	Pass
3**	4975.200	38.68	54.0	15.32	AV	360.00	150	Vertical	Pass
4	7543.088	44.97	74.0	29.03	Peak	85.00	300	Vertical	Pass
4**	7543.088	35.62	54.0	18.38	AV	85.00	300	Vertical	Pass
5	12209.212	47.50	74.0	26.50	Peak	138.00	100	Vertical	Pass
5**	12209.212	38.08	54.0	15.92	AV	138.00	100	Vertical	Pass
6	15797.888	51.21	74.0	22.79	Peak	0.00	300	Vertical	Pass
6**	15797.888	42.83	54.0	11.17	AV	0.00	300	Vertical	Pass

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

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

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

Note ³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

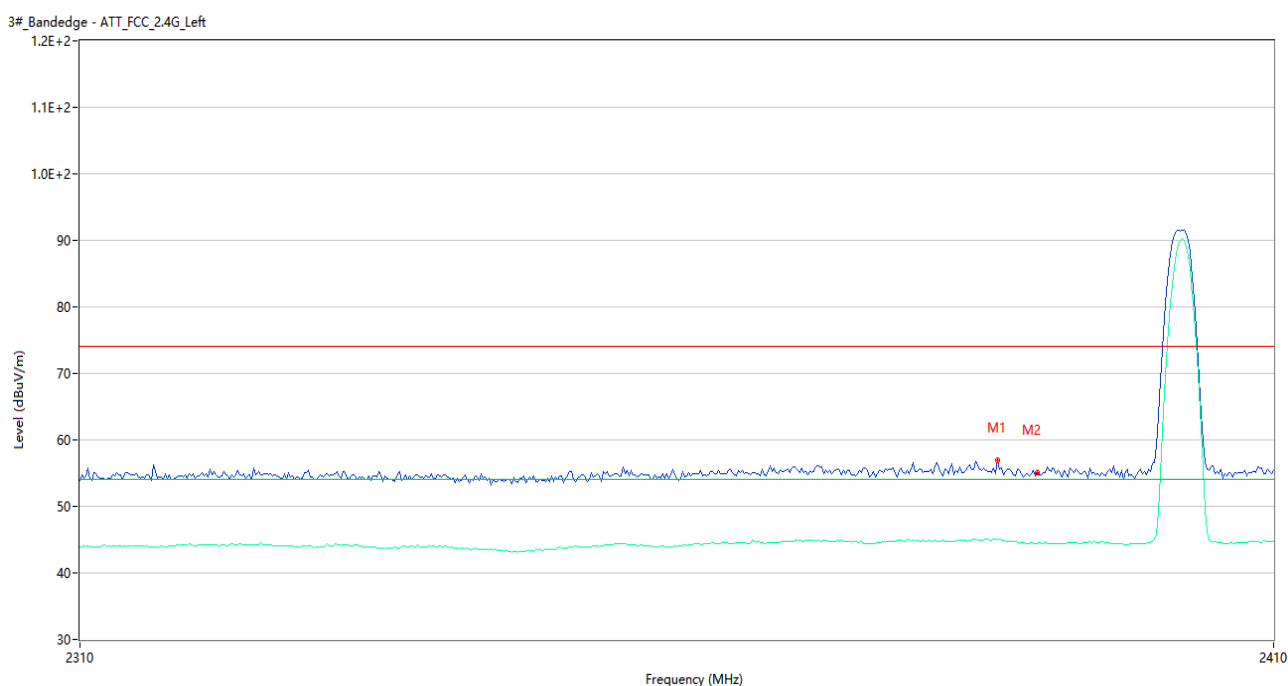
Note ⁴: The Level (dBuV/m) has been corrected by factor.

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

Test Data and Plots

Left Ear

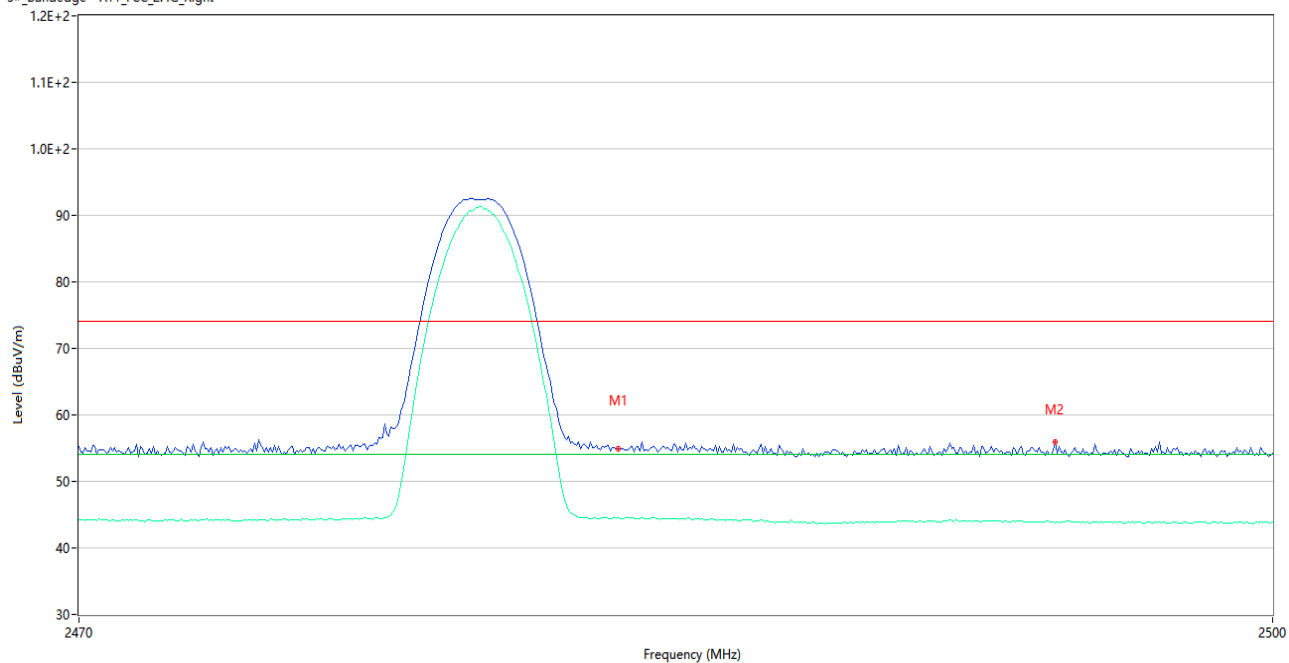
GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.500	56.94	74.0	17.06	Peak	360.00	200	Vertical	Pass
1**	2386.500	44.98	54.0	9.02	AV	360.00	200	Vertical	Pass
2	2389.833	55.06	74.0	18.94	Peak	190.00	100	Vertical	Pass
2**	2389.833	44.33	54.0	9.67	AV	190.00	100	Vertical	Pass

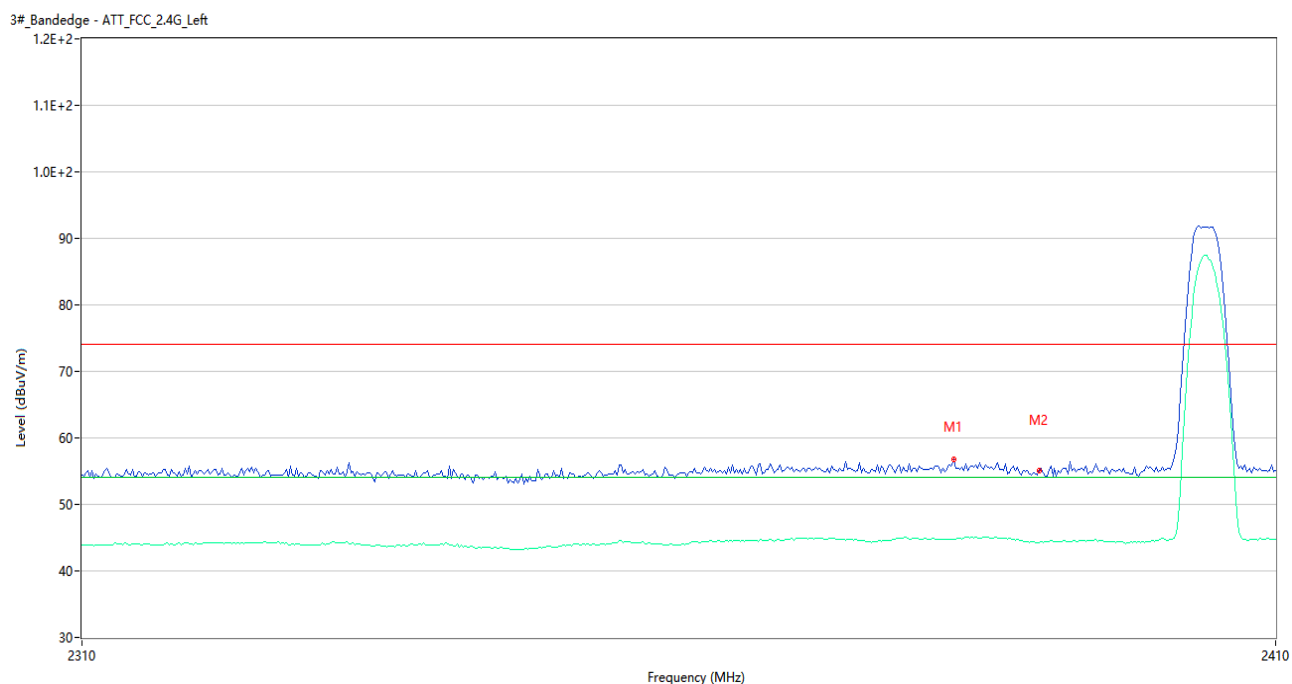
GFSK (BLE 1Mbps) HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



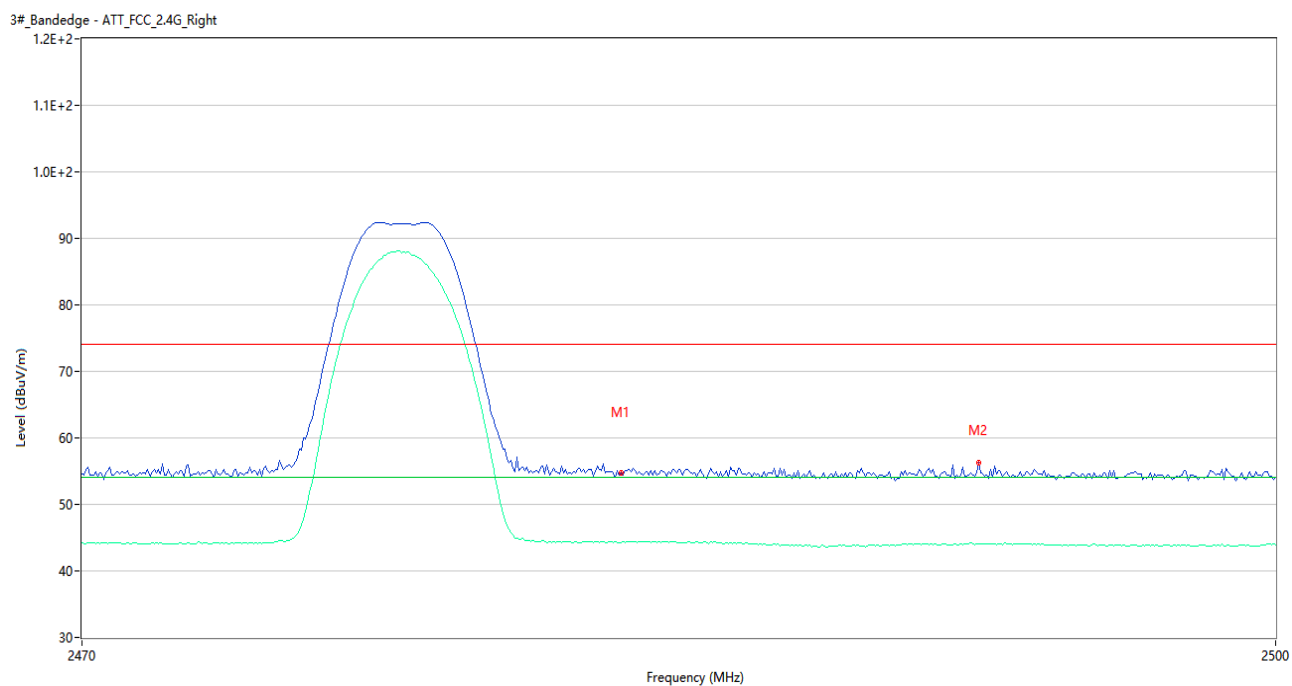
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.92	74.0	19.08	Peak	331.00	150	Vertical	Pass
1**	2483.500	44.50	54.0	9.50	AV	331.00	150	Vertical	Pass
2	2494.500	55.91	74.0	18.09	Peak	39.00	150	Vertical	Pass
2**	2494.500	43.80	54.0	10.20	AV	39.00	150	Vertical	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	2382.667	56.77	74.0	17.23	Peak	330.00	200	Vertical	Pass
1**	2382.667	44.79	54.0	9.21	AV	330.00	200	Vertical	Pass
2	2389.833	55.09	74.0	18.91	Peak	299.00	200	Vertical	Pass
2**	2389.833	44.32	54.0	9.68	AV	299.00	200	Vertical	Pass

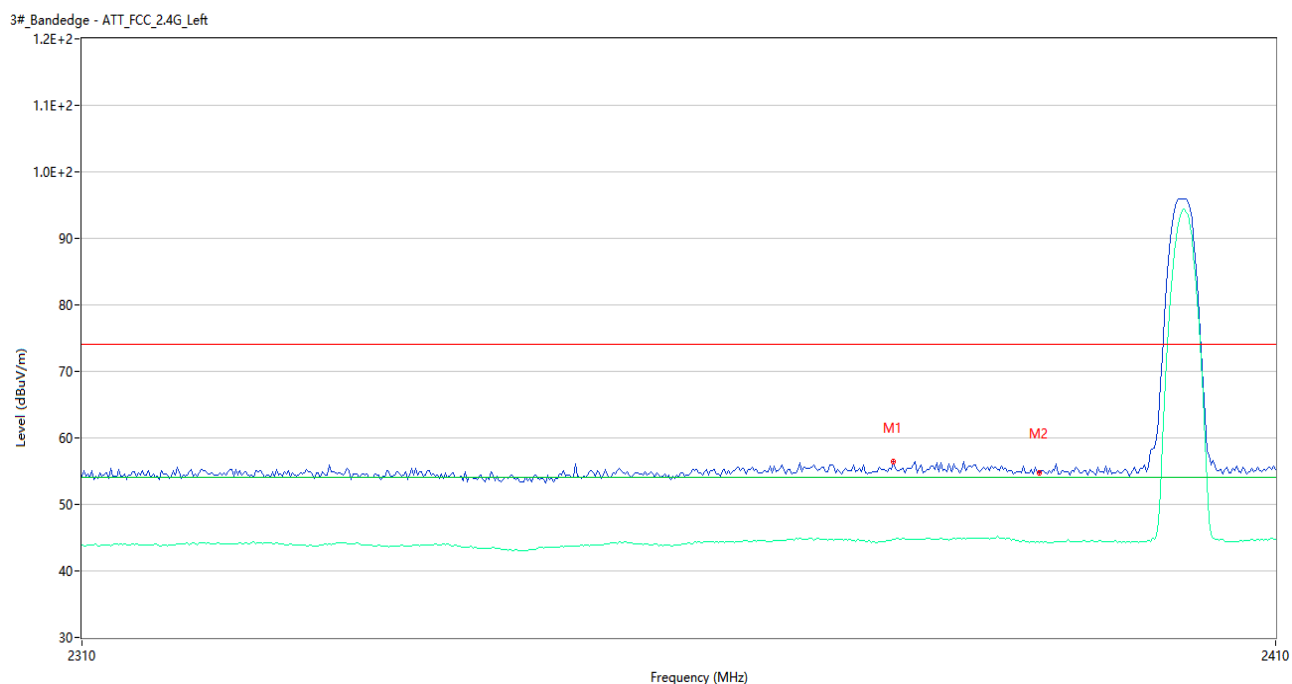
GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.76	74.0	19.24	Peak	0.00	150	Vertical	Pass
1**	2483.500	44.28	54.0	9.72	AV	0.00	150	Vertical	Pass
2	2492.500	56.24	74.0	17.76	Peak	302.00	100	Vertical	Pass
2**	2492.500	44.14	54.0	9.86	AV	302.00	100	Vertical	Pass

Right Ear

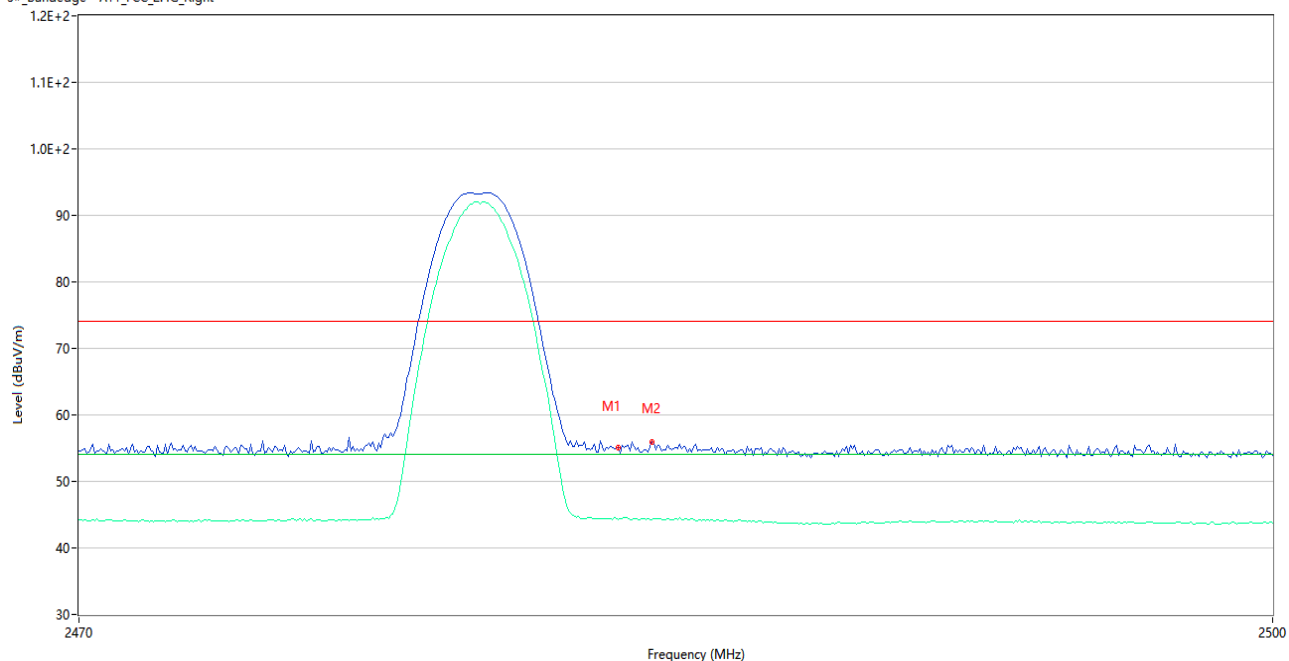
GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2377.500	56.48	74.0	17.52	Peak	5.00	100	Vertical	Pass
1**	2377.500	44.68	54.0	9.32	AV	5.00	100	Vertical	Pass
2	2389.833	54.69	74.0	19.31	Peak	92.00	100	Vertical	Pass
2**	2389.833	44.30	54.0	9.70	AV	92.00	100	Vertical	Pass

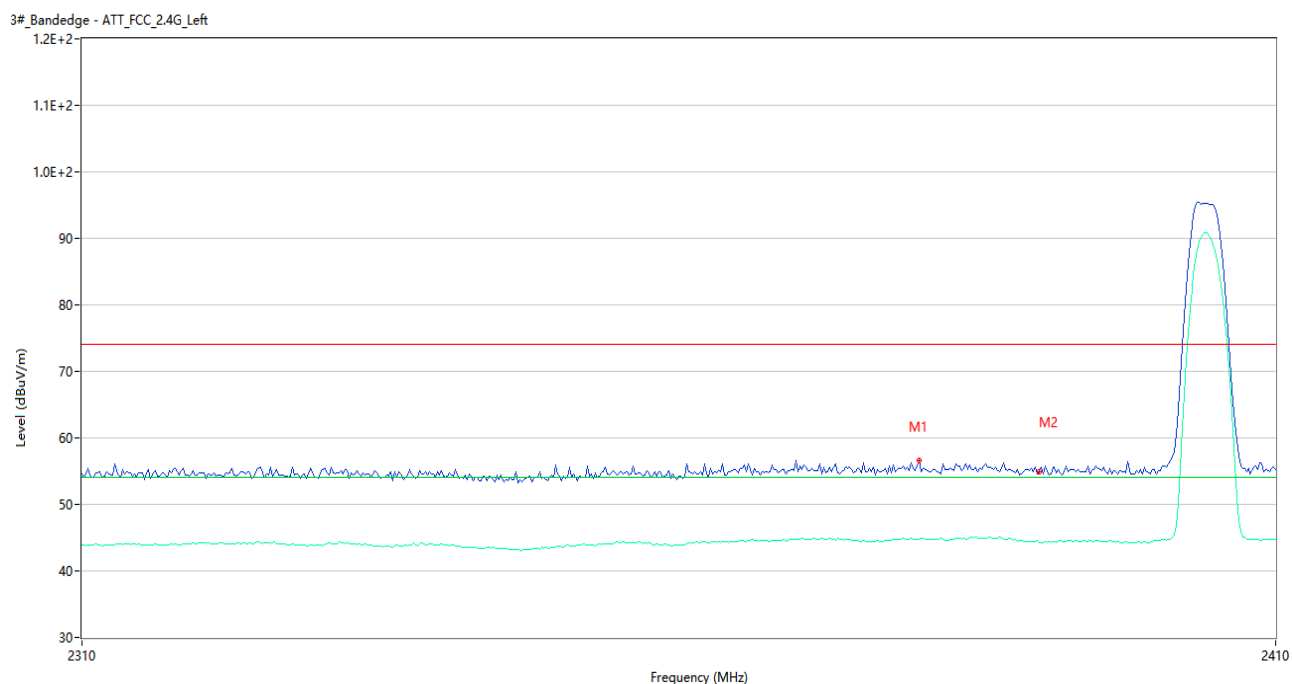
GFSK (BLE 1Mbps) HIGH CHANNEL

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	55.03	74.0	18.97	Peak	217.00	200	Vertical	Pass
1**	2483.500	44.32	54.0	9.68	AV	217.00	200	Vertical	Pass
2	2484.350	55.98	74.0	18.02	Peak	198.00	100	Vertical	Pass
2**	2484.350	44.25	54.0	9.75	AV	198.00	100	Vertical	Pass

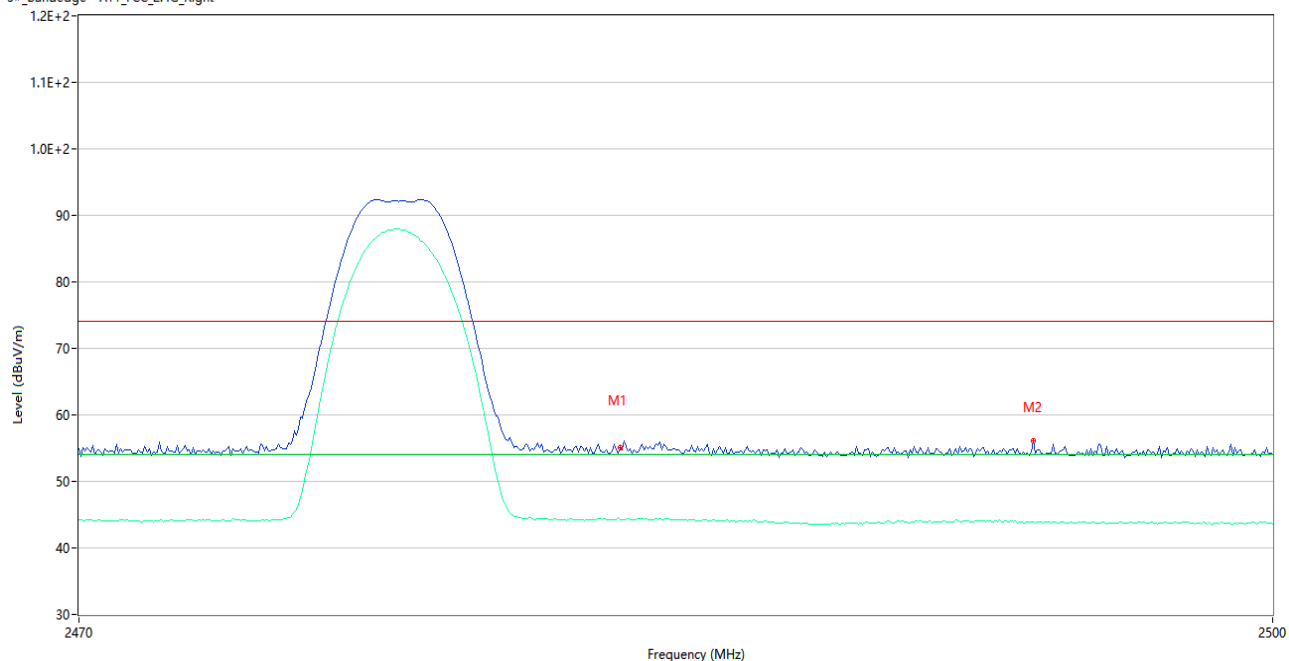
GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2379.667	56.65	74.0	17.35	Peak	138.00	100	Vertical	Pass
1**	2379.667	44.68	54.0	9.32	AV	138.00	100	Vertical	Pass
2	2389.833	55.00	74.0	19.00	Peak	151.00	150	Vertical	Pass
2**	2389.833	44.32	54.0	9.68	AV	151.00	150	Vertical	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	2483.550	55.00	74.0	19.00	Peak	356.00	100	Vertical	Pass
1**	2483.550	44.24	54.0	9.76	AV	356.00	100	Vertical	Pass
2	2493.950	56.11	74.0	17.89	Peak	224.00	200	Vertical	Pass
2**	2493.950	43.88	54.0	10.12	AV	224.00	200	Vertical	Pass

A.8 Power Spectral Density (PSD)

Left Ear

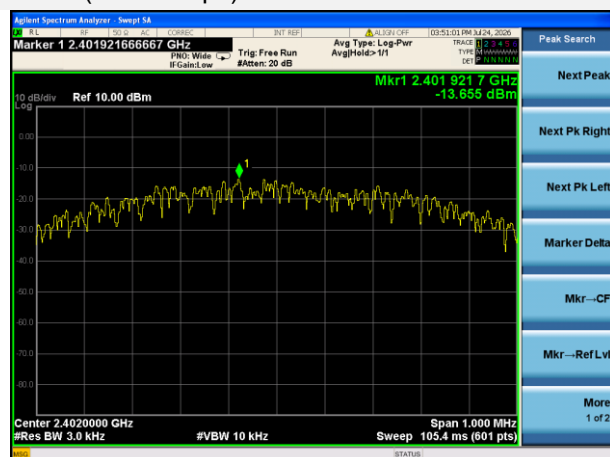
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-13.66	8	Pass
Middle Channel	-14.22	8	Pass
High Channel	-14.51	8	Pass

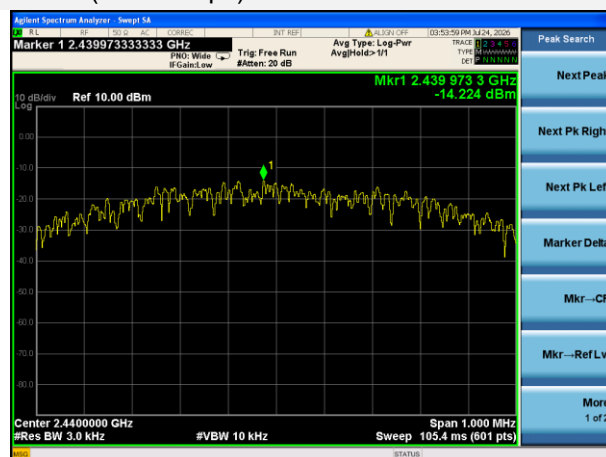
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-16.61	8	Pass
Middle Channel	-17.08	8	Pass
High Channel	-17.08	8	Pass

Test Plots

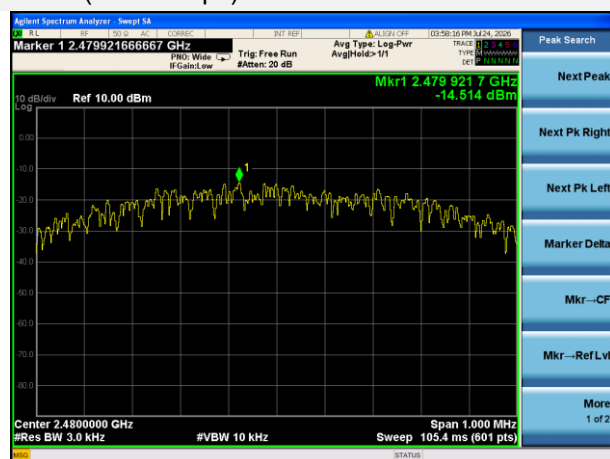
GFSK (BLE 1Mbps) LOW CHANNEL



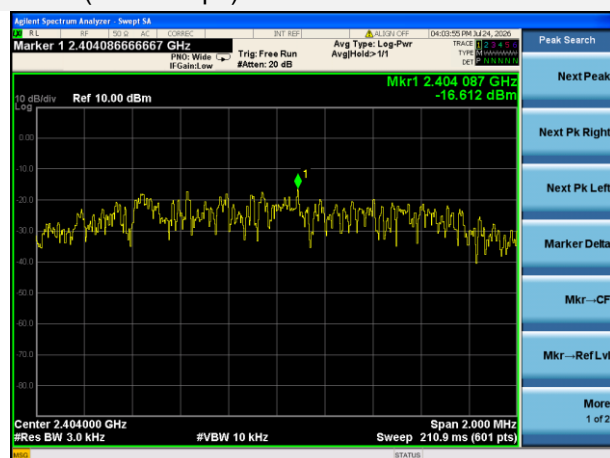
GFSK (BLE 1Mbps) MIDDLE CHANNEL



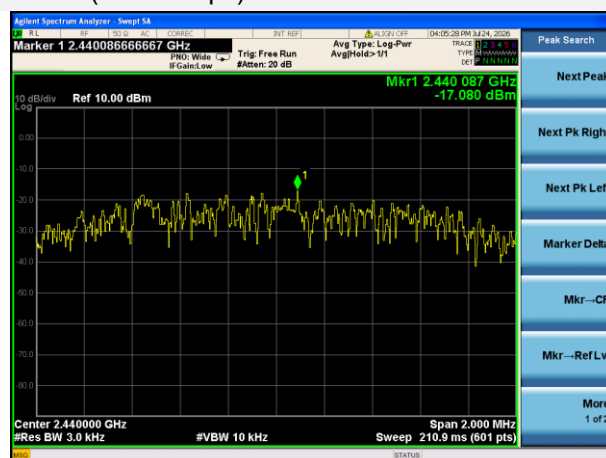
GFSK (BLE 1Mbps) HIGH CHANNEL



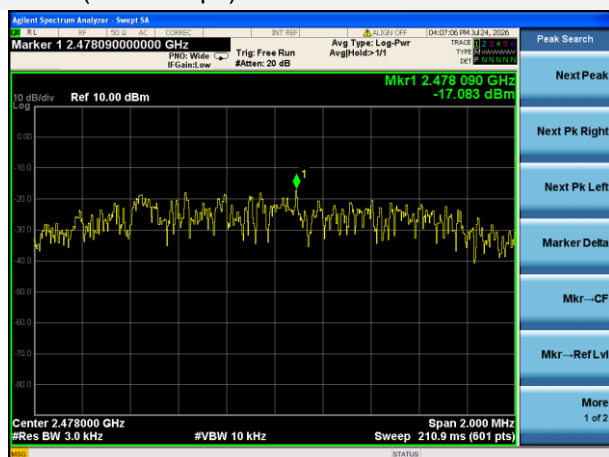
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



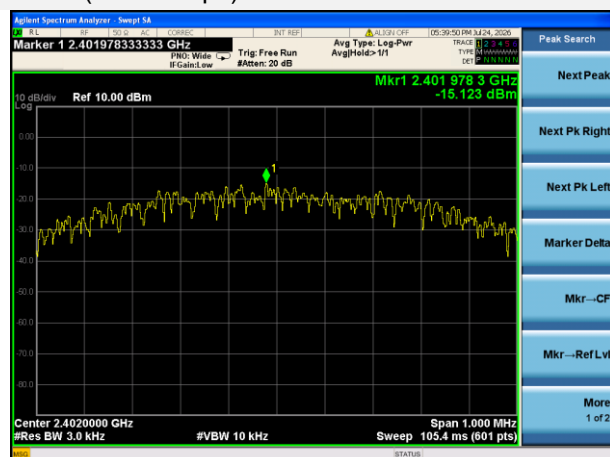
Right EarTest Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-15.12	8	Pass
Middle Channel	-15.03	8	Pass
High Channel	-14.80	8	Pass

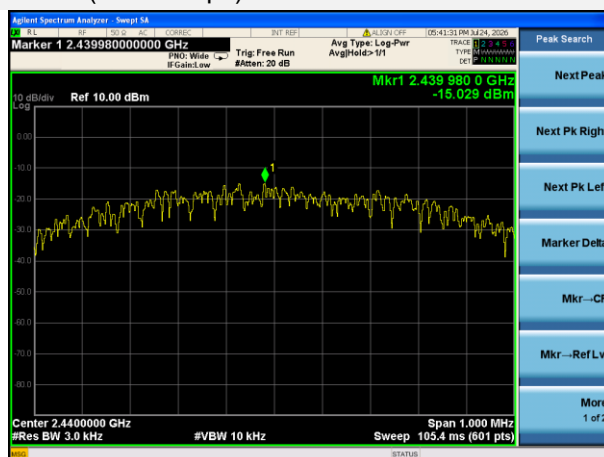
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-17.69	8	Pass
Middle Channel	-17.39	8	Pass
High Channel	-16.74	8	Pass

Test Plots

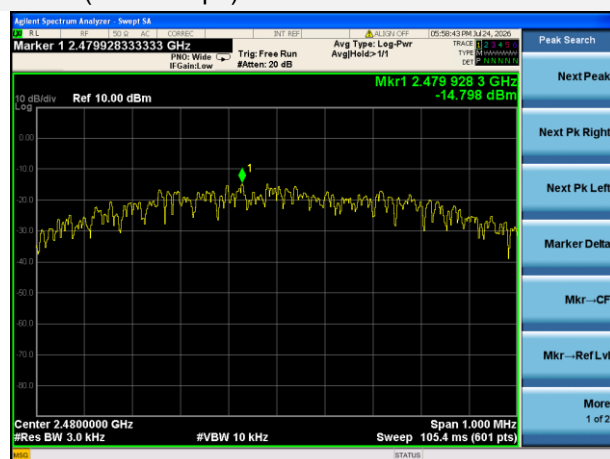
GFSK (BLE 1Mbps) LOW CHANNEL



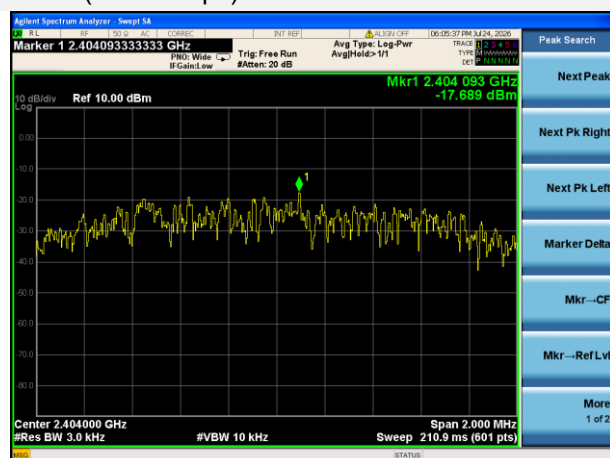
GFSK (BLE 1Mbps) MIDDLE CHANNEL



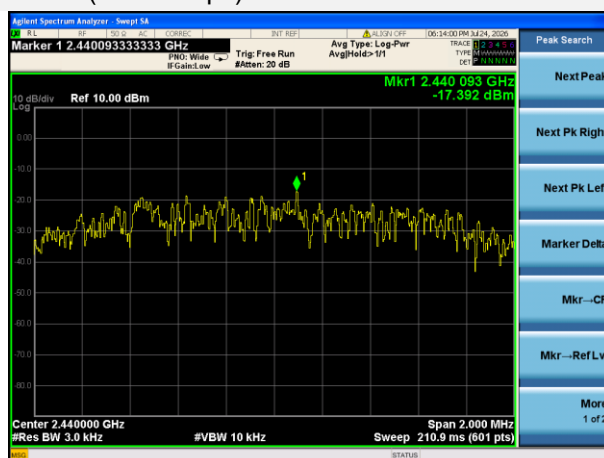
GFSK (BLE 1Mbps) HIGH CHANNEL



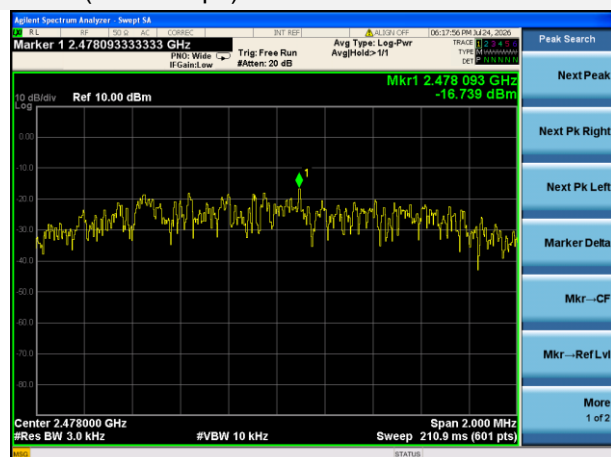
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26070541-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26070541-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26070541-AI.PDF”.

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--END OF REPORT--