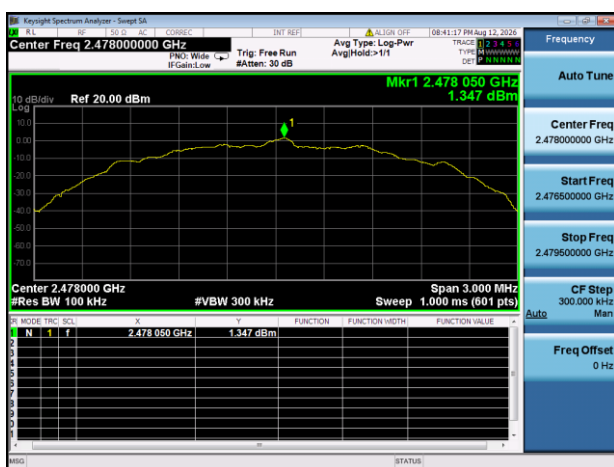
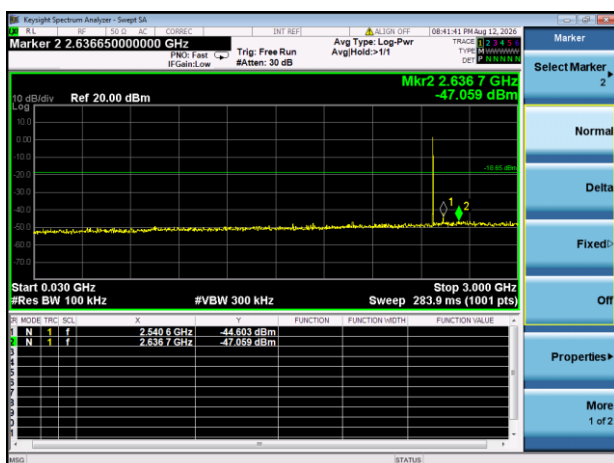


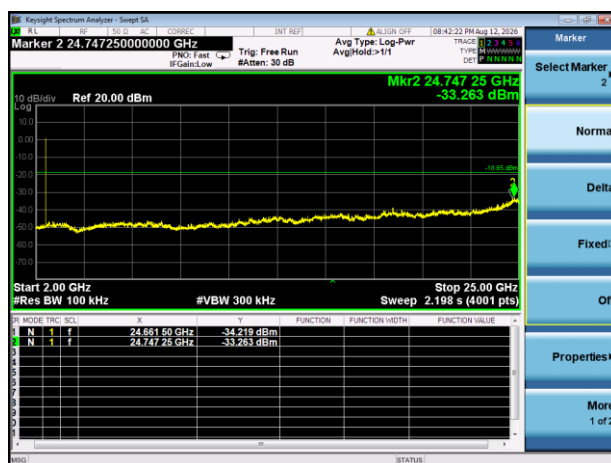
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



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



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



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

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

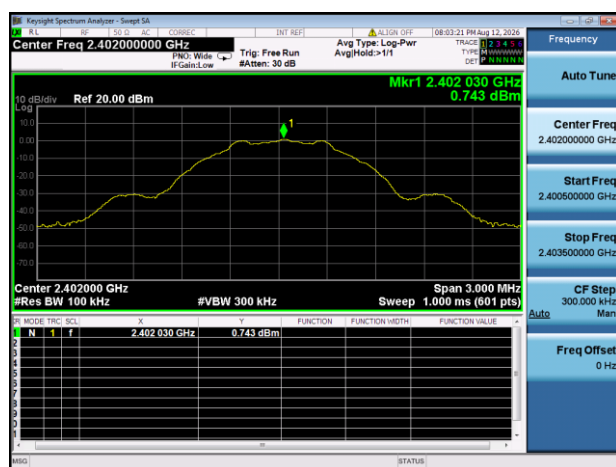
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.36	0.74	-19.26	Pass
High Channel	-47.27	1.22	-18.78	Pass

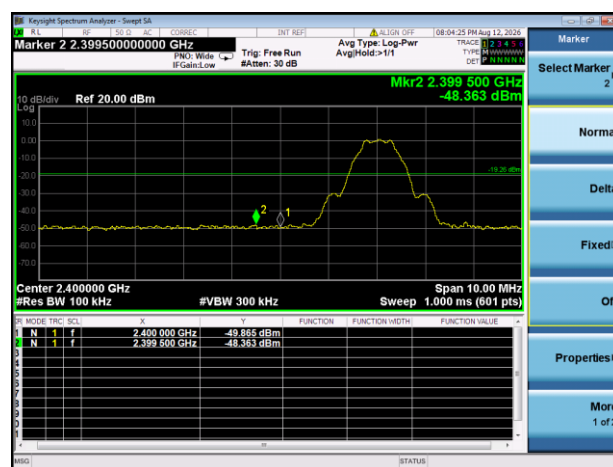
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.35	0.82	-19.18	Pass
High Channel	-47.86	1.35	-18.65	Pass

Test Plots

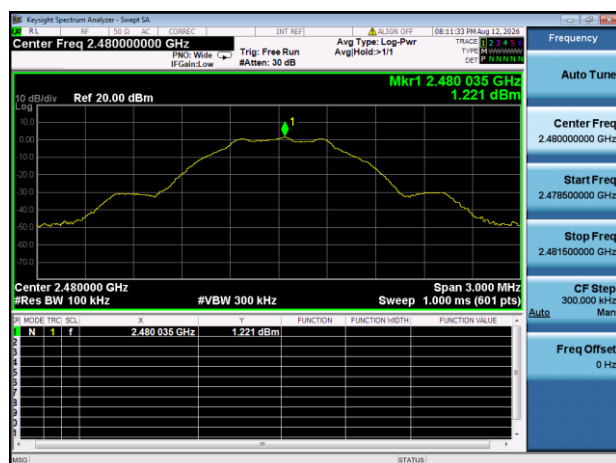
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



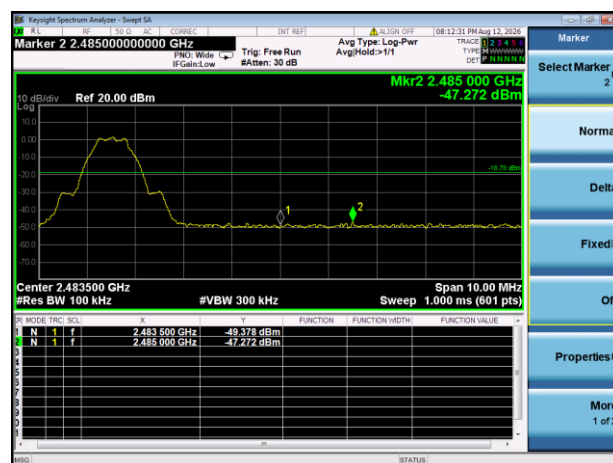
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



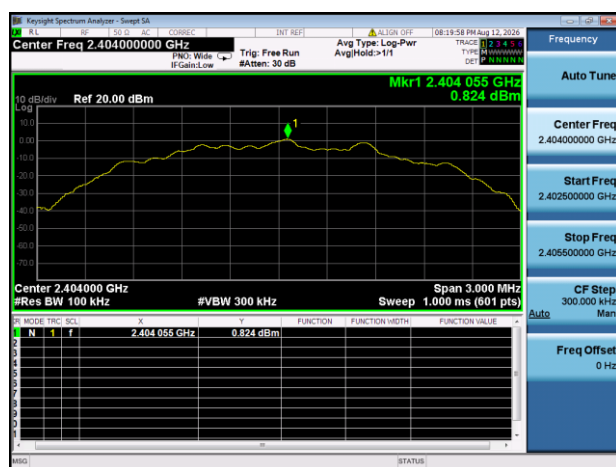
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



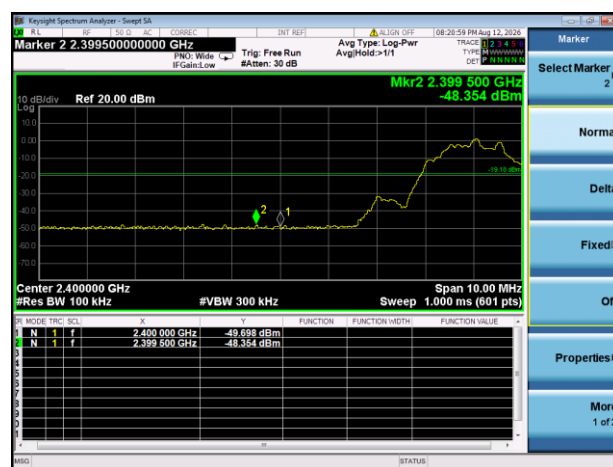
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



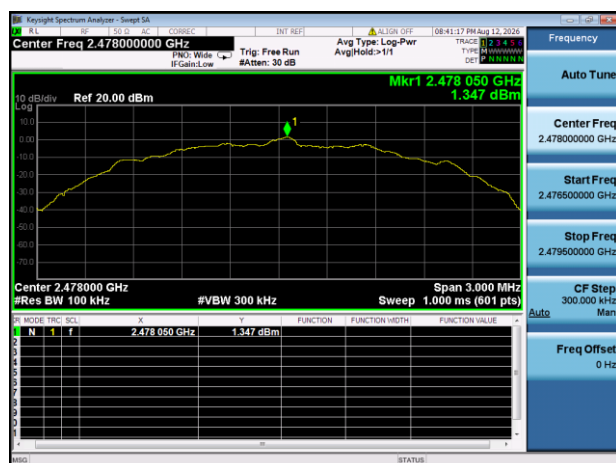
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



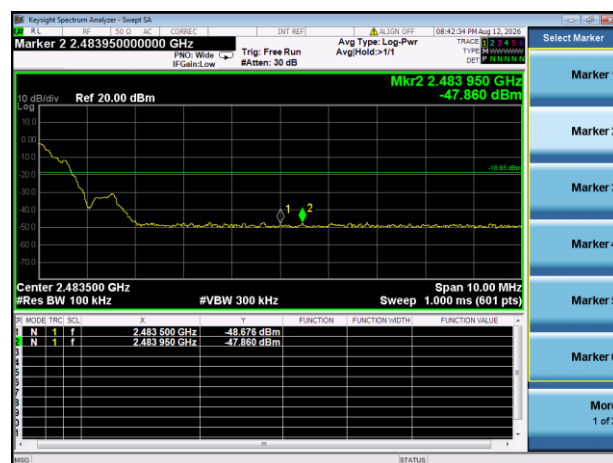
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (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.

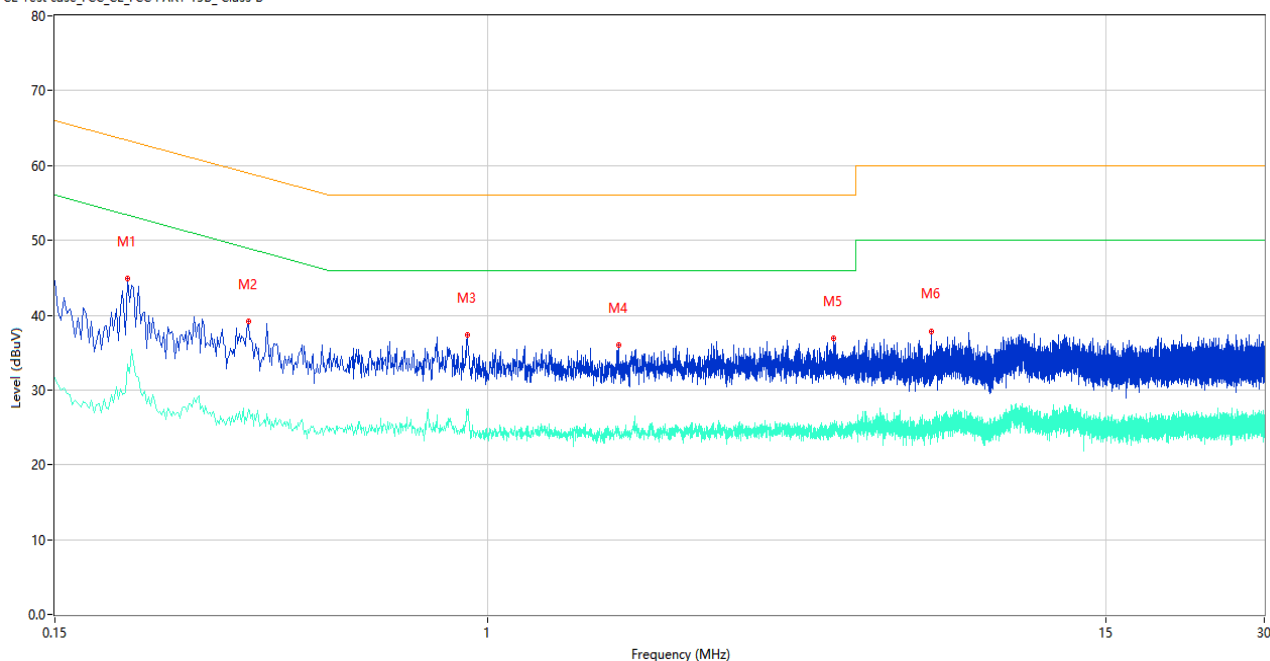
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

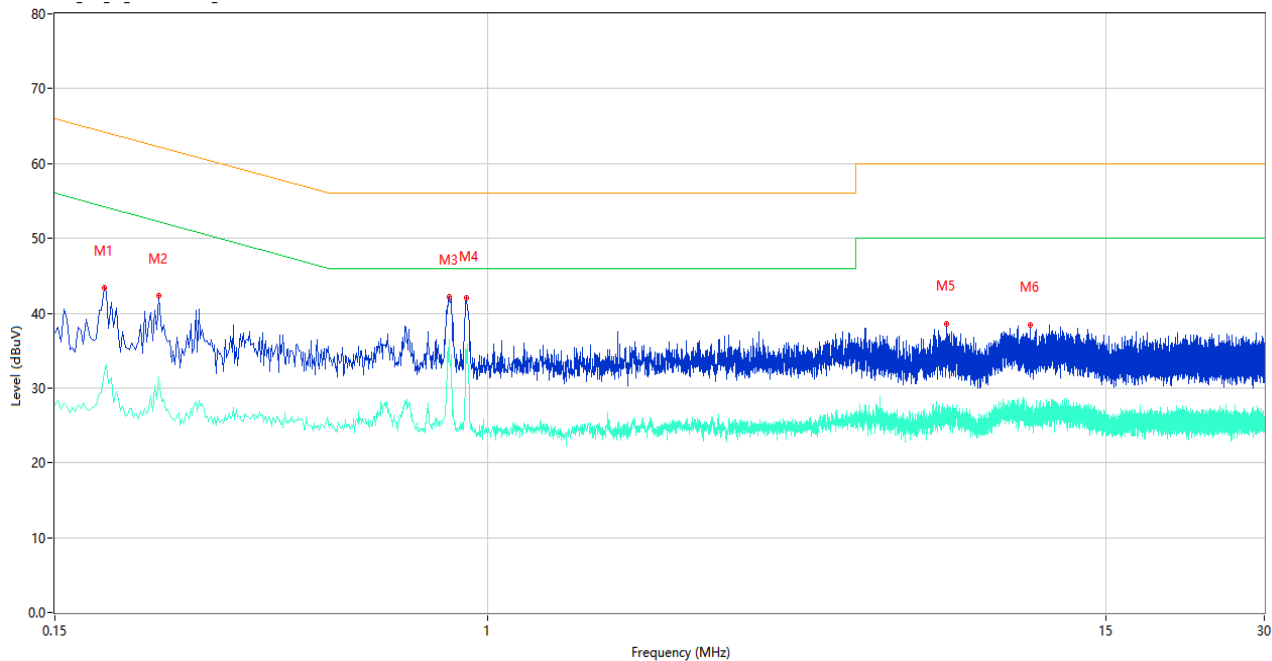
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.206	44.94	9.84	63.37	18.43	Peak	L	Pass
1**	0.206	33.49	9.84	53.37	19.88	AV	L	Pass
2	0.350	39.21	10.82	58.96	19.75	Peak	L	Pass
2**	0.350	27.35	10.82	48.96	21.61	AV	L	Pass
3	0.916	37.32	10.21	56.00	18.68	Peak	L	Pass
3**	0.916	26.96	10.21	46.00	19.04	AV	L	Pass
4	1.774	35.99	10.23	56.00	20.01	Peak	L	Pass
4**	1.774	24.84	10.23	46.00	21.16	AV	L	Pass
5	4.556	36.91	10.49	56.00	19.09	Peak	L	Pass
5**	4.556	25.37	10.49	46.00	20.63	AV	L	Pass
6	6.974	37.88	10.15	60.00	22.12	Peak	L	Pass
6**	6.974	24.66	10.15	50.00	25.34	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.186	43.43	9.84	64.21	20.78	Peak	N	Pass
1**	0.186	32.16	9.84	54.21	22.05	AV	N	Pass
2	0.236	42.36	9.83	62.24	19.88	Peak	N	Pass
2**	0.236	31.52	9.83	52.24	20.72	AV	N	Pass
3	0.844	42.18	10.67	56.00	13.82	Peak	N	Pass
3**	0.844	36.41	10.67	46.00	9.59	AV	N	Pass
4	0.912	42.08	10.22	56.00	13.92	Peak	N	Pass
4**	0.912	34.34	10.22	46.00	11.66	AV	N	Pass
5	7.464	38.62	10.55	60.00	21.38	Peak	N	Pass
5**	7.464	27.08	10.55	50.00	22.92	AV	N	Pass
6	10.770	38.48	10.41	60.00	21.52	Peak	N	Pass
6**	10.770	26.54	10.41	50.00	23.46	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.

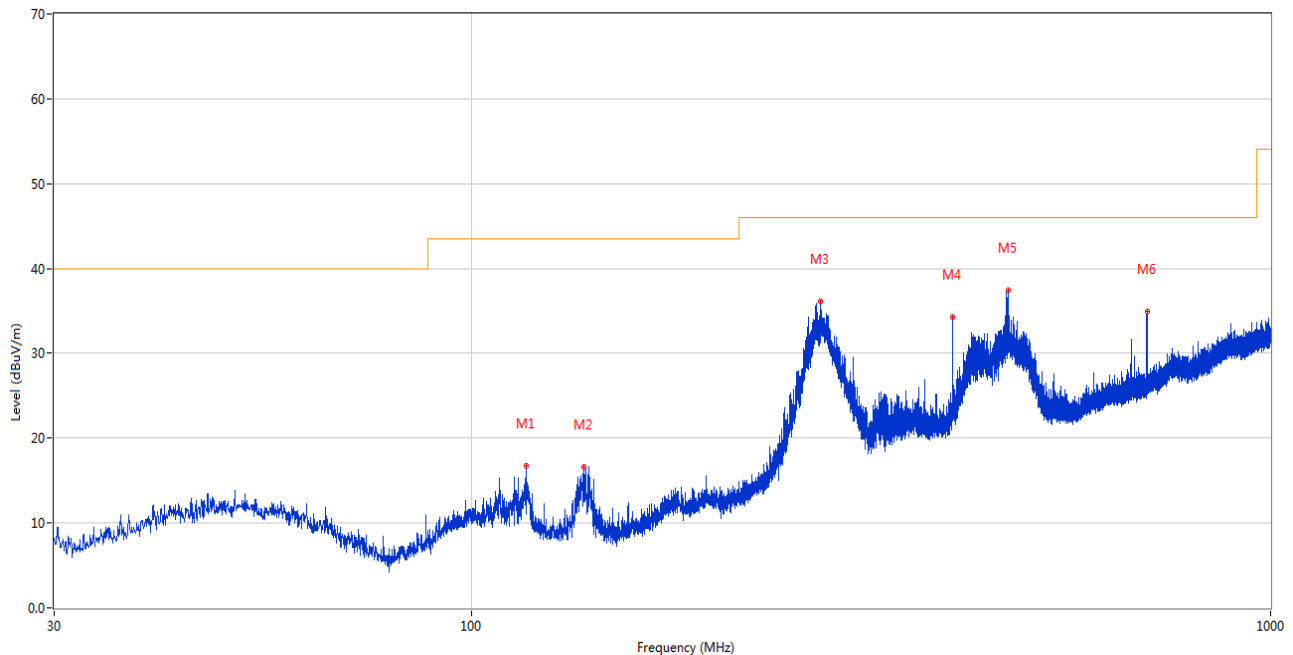
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-High channel mode is the worst.

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

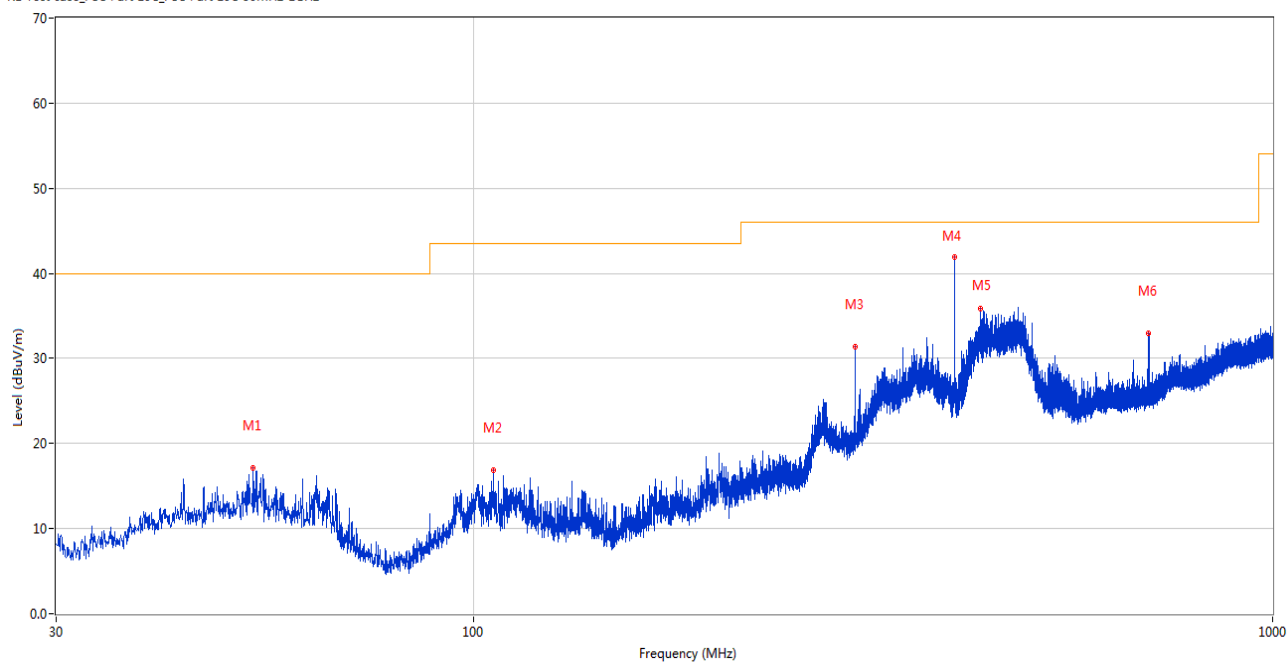
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	116.815	16.77	-26.49	43.5	26.73	Peak	34.20	100	Horizontal	Pass
2	138.107	16.63	-28.66	43.5	26.87	Peak	360.00	200	Horizontal	Pass
3	272.888	36.11	-22.27	46.0	9.89	Peak	0.00	100	Horizontal	Pass
4	400.006	34.31	-18.37	46.0	11.69	Peak	184.70	100	Horizontal	Pass
5	469.168	37.45	-17.04	46.0	8.55	Peak	215.60	100	Horizontal	Pass
6	700.028	34.92	-11.05	46.0	11.08	Peak	210.70	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



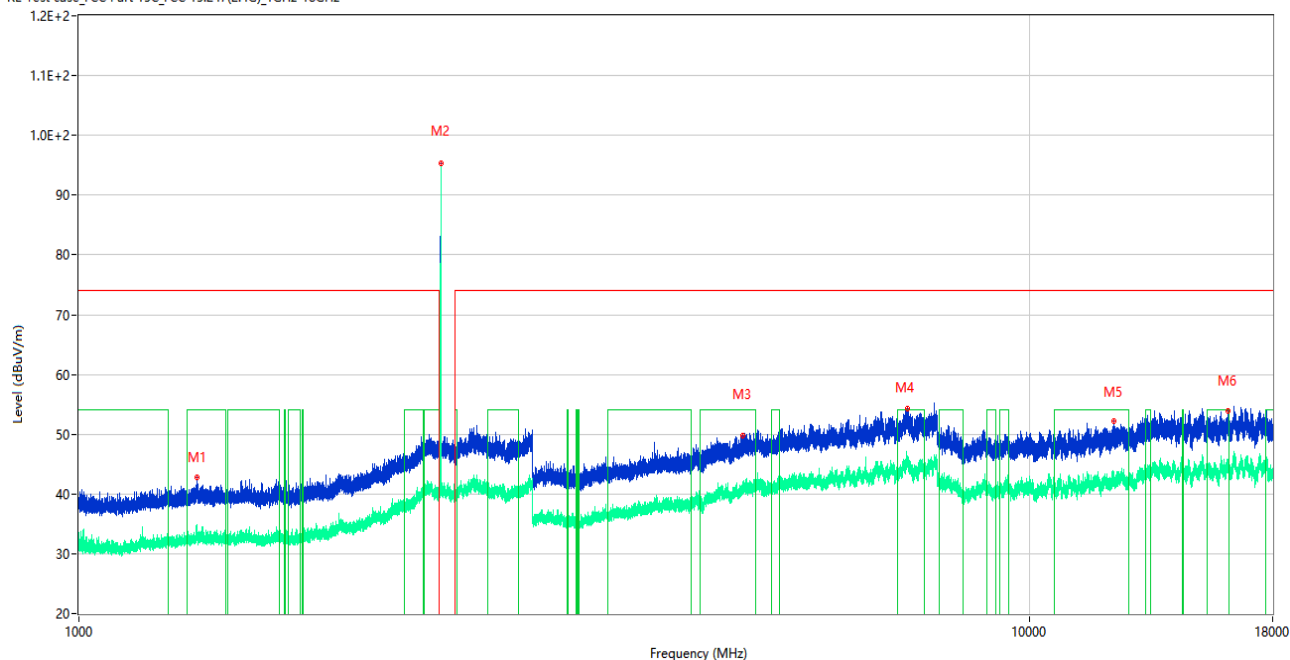
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.941	17.15	-24.17	40.0	22.85	Peak	325.60	100	Vertical	Pass
2	105.757	16.92	-25.52	43.5	26.58	Peak	339.50	100	Vertical	Pass
3	300.000	31.35	-21.27	46.0	14.65	Peak	232.80	100	Vertical	Pass
4	400.006	41.90	-18.37	46.0	4.10	Peak	193.50	100	Vertical	Pass
5	431.338	35.86	-17.48	46.0	10.14	Peak	263.20	100	Vertical	Pass
6	699.979	32.99	-11.05	46.0	13.01	Peak	70.20	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.

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

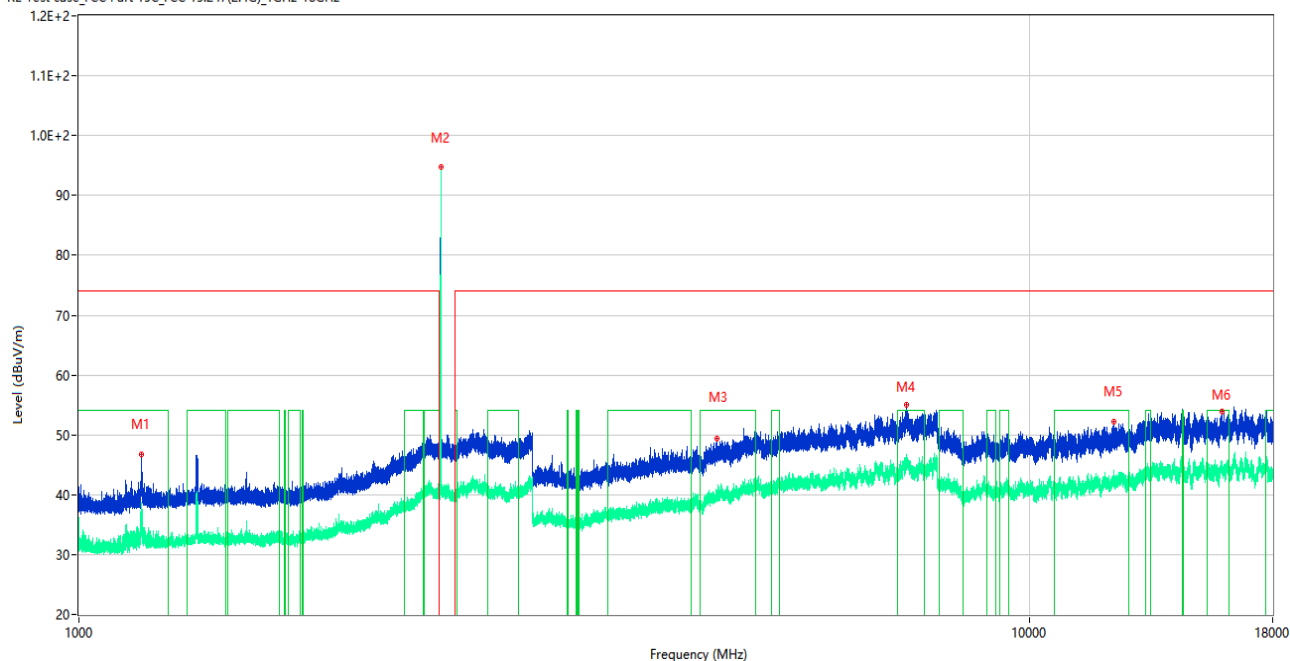
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.400	42.85	74.0	31.15	Peak	211.00	200	Horizontal	Pass
1**	1331.400	33.91	54.0	20.09	AV	211.00	200	Horizontal	Pass
2	2401.800	95.40	--	--	Peak	234.00	100	Horizontal	N/A
2**	2401.800	94.41	--	--	AV	234.00	100	Horizontal	N/A
3	4990.500	49.72	74.0	24.28	Peak	79.00	200	Horizontal	Pass
3**	4990.500	41.69	54.0	12.31	AV	79.00	200	Horizontal	Pass
4	7431.250	54.21	74.0	19.79	Peak	79.00	100	Horizontal	Pass
4**	7431.250	44.97	54.0	9.03	AV	79.00	100	Horizontal	Pass
5	12243.888	52.19	74.0	21.81	Peak	55.00	100	Horizontal	Pass
5**	12243.888	42.13	54.0	11.87	AV	55.00	100	Horizontal	Pass
6	16142.287	53.98	74.0	20.02	Peak	94.00	100	Horizontal	Pass
6**	16142.287	44.84	54.0	9.16	AV	94.00	100	Horizontal	Pass

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

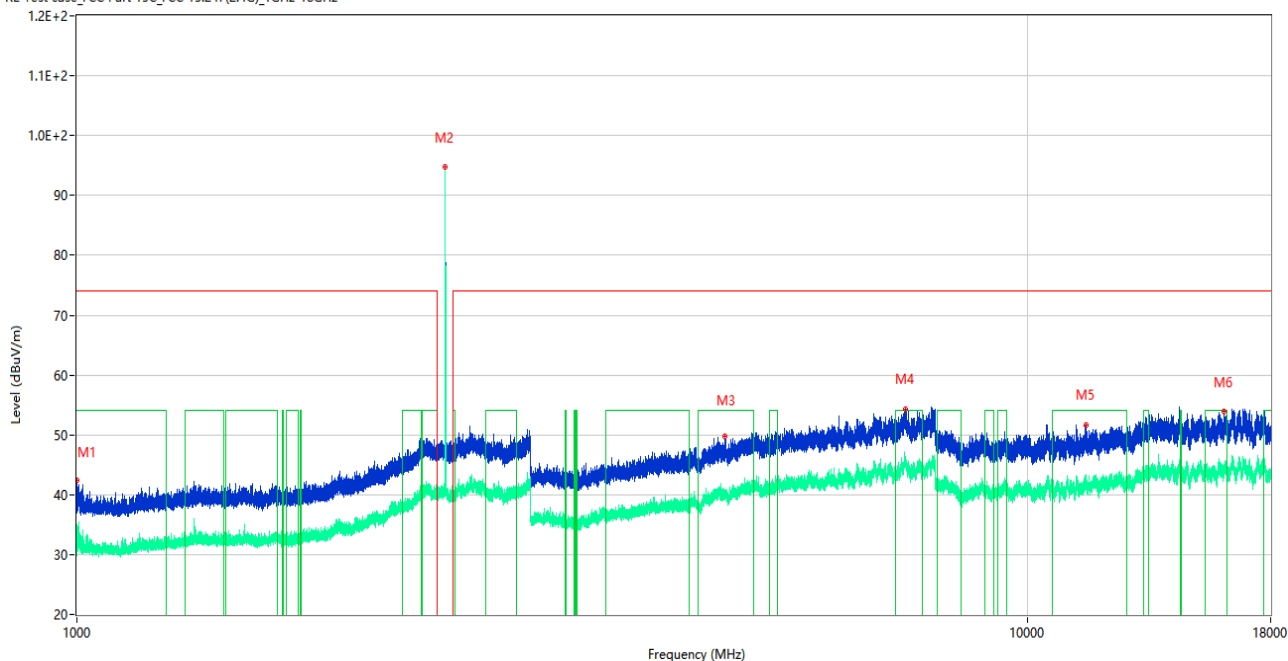
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.200	46.77	74.0	27.23	Peak	108.00	300	Vertical	Pass
1**	1162.200	36.29	54.0	17.71	AV	108.00	300	Vertical	Pass
2	2402.000	94.74	--	--	Peak	261.00	100	Vertical	N/A
2**	2402.000	94.28	--	--	AV	261.00	100	Vertical	N/A
3	4684.250	49.33	74.0	24.67	Peak	243.00	100	Vertical	Pass
3**	4684.250	40.07	54.0	13.93	AV	243.00	100	Vertical	Pass
4	7422.500	54.97	74.0	19.03	Peak	210.00	400	Vertical	Pass
4**	7422.500	45.22	54.0	8.78	AV	210.00	400	Vertical	Pass
5	12243.651	52.28	74.0	21.72	Peak	219.00	200	Vertical	Pass
5**	12243.651	42.59	54.0	11.41	AV	219.00	200	Vertical	Pass
6	15912.600	53.87	74.0	20.13	Peak	258.00	100	Vertical	Pass
6**	15912.600	44.26	54.0	9.74	AV	258.00	100	Vertical	Pass

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

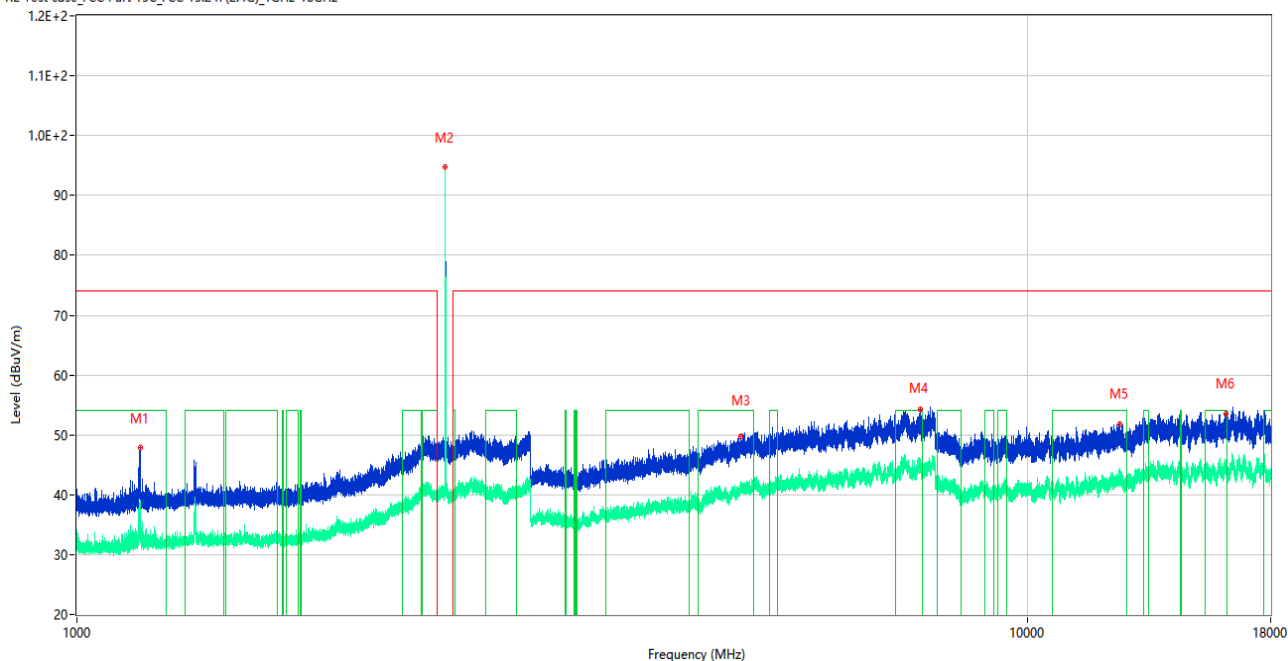
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.000	42.37	74.0	31.63	Peak	185.00	200	Horizontal	Pass
1**	1000.000	32.56	54.0	21.44	AV	185.00	200	Horizontal	Pass
2	2439.800	94.72	--	--	Peak	288.00	150	Horizontal	N/A
2**	2439.800	93.60	--	--	AV	288.00	150	Horizontal	N/A
3	4800.250	49.80	74.0	24.20	Peak	201.00	100	Horizontal	Pass
3**	4800.250	40.13	54.0	13.87	AV	201.00	100	Horizontal	Pass
4	7429.500	54.28	74.0	19.72	Peak	0.00	400	Horizontal	Pass
4**	7429.500	45.89	54.0	8.11	AV	0.00	400	Horizontal	Pass
5	11504.312	51.71	74.0	22.29	Peak	105.00	150	Horizontal	Pass
5**	11504.312	41.89	54.0	12.11	AV	105.00	150	Horizontal	Pass
6	16079.287	53.82	74.0	20.18	Peak	50.00	200	Horizontal	Pass
6**	16079.287	44.44	54.0	9.56	AV	50.00	200	Horizontal	Pass

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

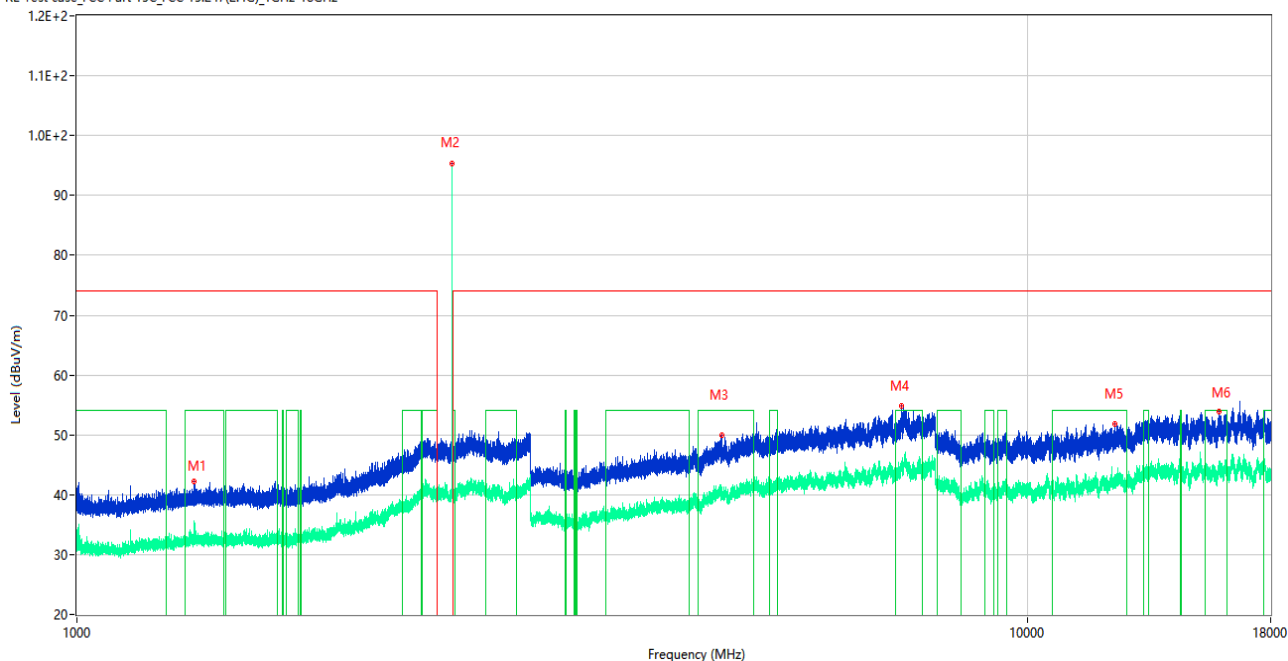
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.100	47.84	74.0	26.16	Peak	135.00	200	Vertical	Pass
1**	1165.100	34.86	54.0	19.14	AV	135.00	200	Vertical	Pass
2	2440.300	94.74	--	--	Peak	272.00	200	Vertical	N/A
2**	2440.300	93.81	--	--	AV	272.00	200	Vertical	N/A
3	4985.500	49.75	74.0	24.25	Peak	171.00	150	Vertical	Pass
3**	4985.500	40.50	54.0	13.50	AV	171.00	150	Vertical	Pass
4	7712.000	54.26	74.0	19.74	Peak	315.00	100	Vertical	Pass
4**	7712.000	45.26	54.0	8.74	AV	315.00	100	Vertical	Pass
5	12480.912	51.82	74.0	22.18	Peak	188.00	150	Vertical	Pass
5**	12480.912	42.35	54.0	11.65	AV	188.00	150	Vertical	Pass
6	16143.863	53.60	74.0	20.40	Peak	26.00	100	Vertical	Pass
6**	16143.863	44.51	54.0	9.49	AV	26.00	100	Vertical	Pass

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

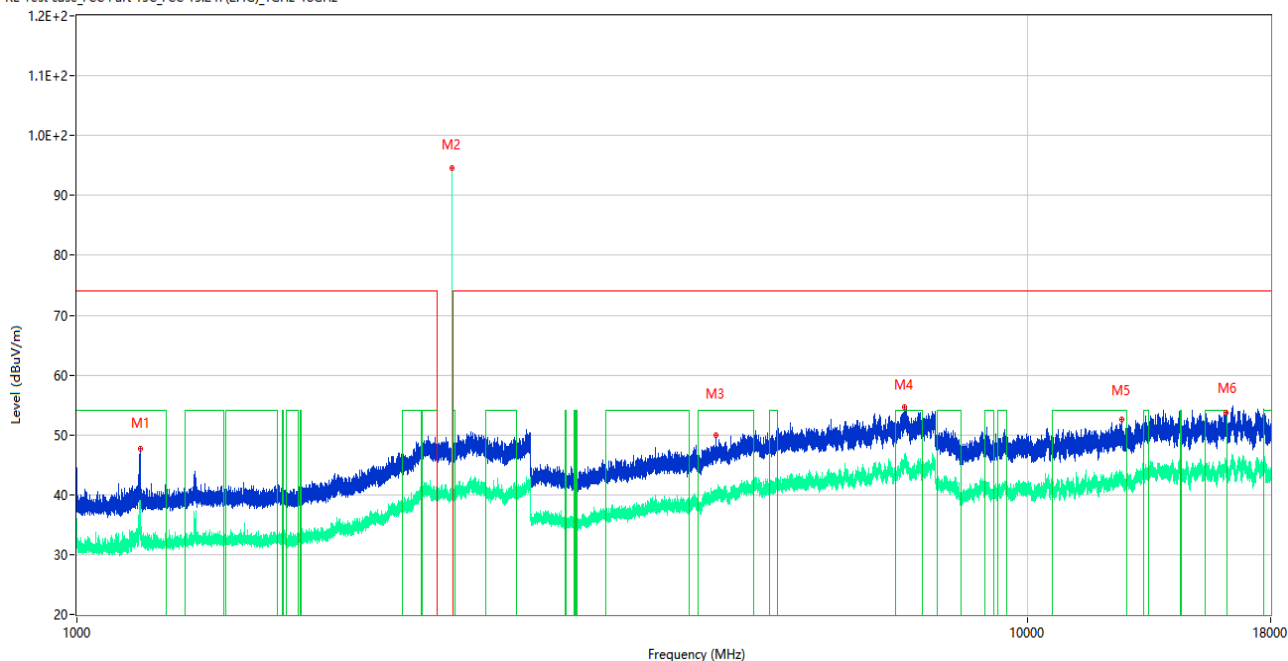
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.200	42.13	74.0	31.87	Peak	215.00	400	Horizontal	Pass
1**	1329.200	33.01	54.0	20.99	AV	215.00	400	Horizontal	Pass
2	2479.900	95.34	--	--	Peak	270.00	100	Horizontal	N/A
2**	2479.900	94.69	--	--	AV	270.00	100	Horizontal	N/A
3	4765.000	49.88	74.0	24.12	Peak	23.00	200	Horizontal	Pass
3**	4765.000	39.47	54.0	14.53	AV	23.00	200	Horizontal	Pass
4	7365.750	54.88	74.0	19.12	Peak	313.00	100	Horizontal	Pass
4**	7365.750	44.86	54.0	9.14	AV	313.00	100	Horizontal	Pass
5	12351.237	51.87	74.0	22.13	Peak	318.00	100	Horizontal	Pass
5**	12351.237	41.86	54.0	12.14	AV	318.00	100	Horizontal	Pass
6	15900.000	53.87	74.0	20.13	Peak	113.00	300	Horizontal	Pass
6**	15900.000	44.43	54.0	9.57	AV	113.00	300	Horizontal	Pass

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

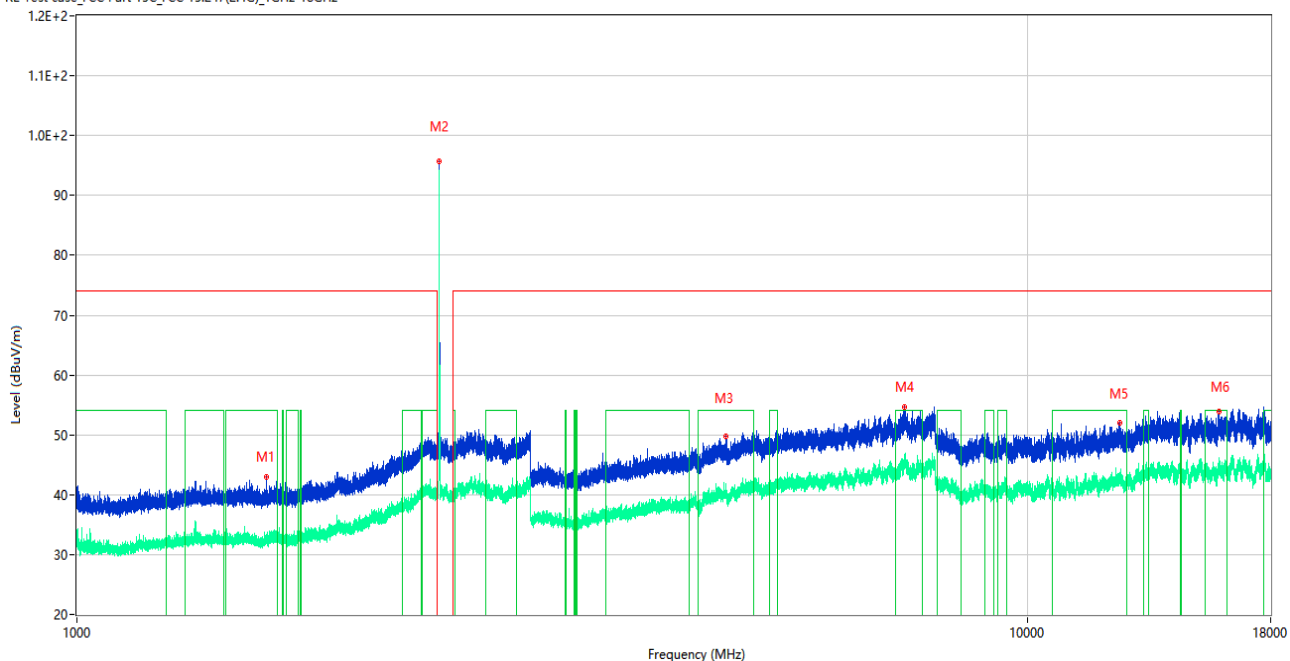
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.500	47.67	74.0	26.33	Peak	142.00	100	Vertical	Pass
1**	1165.500	36.05	54.0	17.95	AV	142.00	100	Vertical	Pass
2	2480.100	94.51	--	--	Peak	266.00	150	Vertical	N/A
2**	2480.100	93.92	--	--	AV	266.00	150	Vertical	N/A
3	4695.750	49.98	74.0	24.02	Peak	171.00	200	Vertical	Pass
3**	4695.750	40.18	54.0	13.82	AV	171.00	200	Vertical	Pass
4	7421.250	54.73	74.0	19.27	Peak	281.00	200	Vertical	Pass
4**	7421.250	45.36	54.0	8.64	AV	281.00	200	Vertical	Pass
5	12544.326	52.52	74.0	21.48	Peak	347.00	100	Vertical	Pass
5**	12544.326	42.76	54.0	11.24	AV	347.00	100	Vertical	Pass
6	16148.062	53.67	74.0	20.33	Peak	121.00	200	Vertical	Pass
6**	16148.062	44.33	54.0	9.67	AV	121.00	200	Vertical	Pass

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

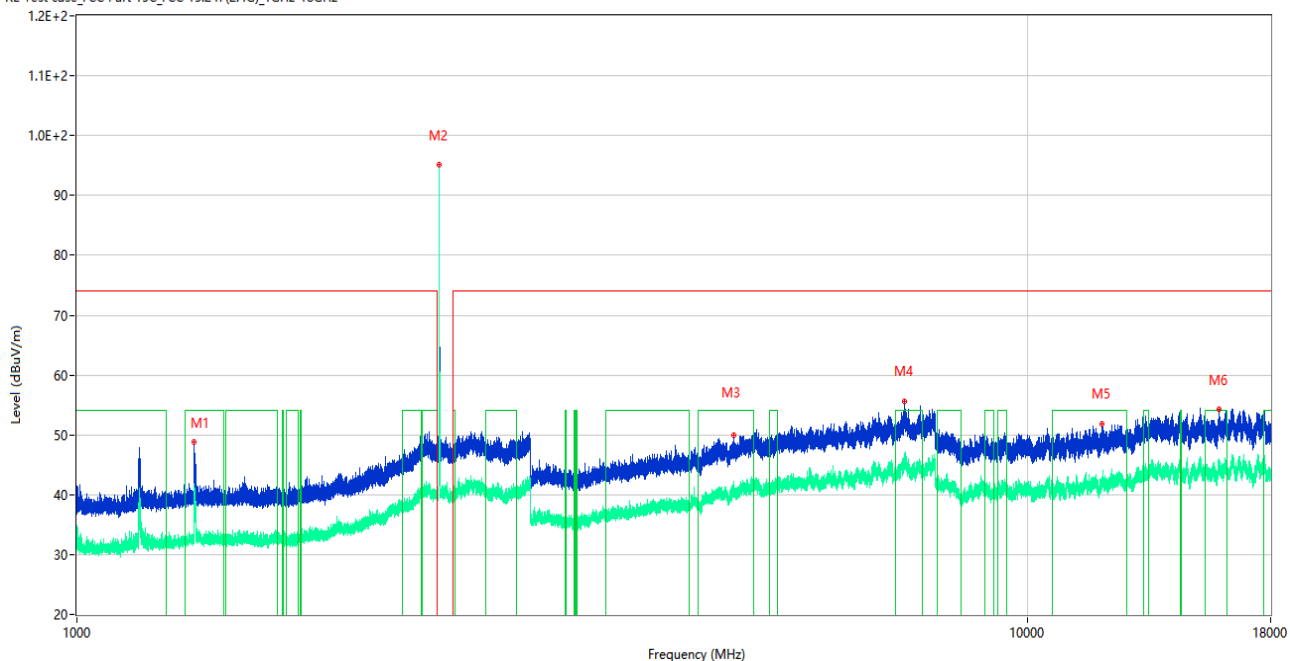
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.700	43.01	74.0	30.99	Peak	0.00	300	Horizontal	Pass
1**	1581.700	33.36	54.0	20.64	AV	0.00	300	Horizontal	Pass
2	2404.000	95.67	--	--	Peak	280.00	100	Horizontal	N/A
2**	2404.000	93.93	--	--	AV	280.00	100	Horizontal	N/A
3	4813.500	49.69	74.0	24.31	Peak	186.00	200	Horizontal	Pass
3**	4813.500	40.36	54.0	13.64	AV	186.00	200	Horizontal	Pass
4	7422.000	54.69	74.0	19.31	Peak	11.00	300	Horizontal	Pass
4**	7422.000	46.53	54.0	7.47	AV	11.00	300	Horizontal	Pass
5	12479.487	51.99	74.0	22.01	Peak	199.00	100	Horizontal	Pass
5**	12479.487	42.78	54.0	11.22	AV	199.00	100	Horizontal	Pass
6	15871.388	53.95	74.0	20.05	Peak	320.00	300	Horizontal	Pass
6**	15871.388	44.42	54.0	9.58	AV	320.00	300	Horizontal	Pass

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

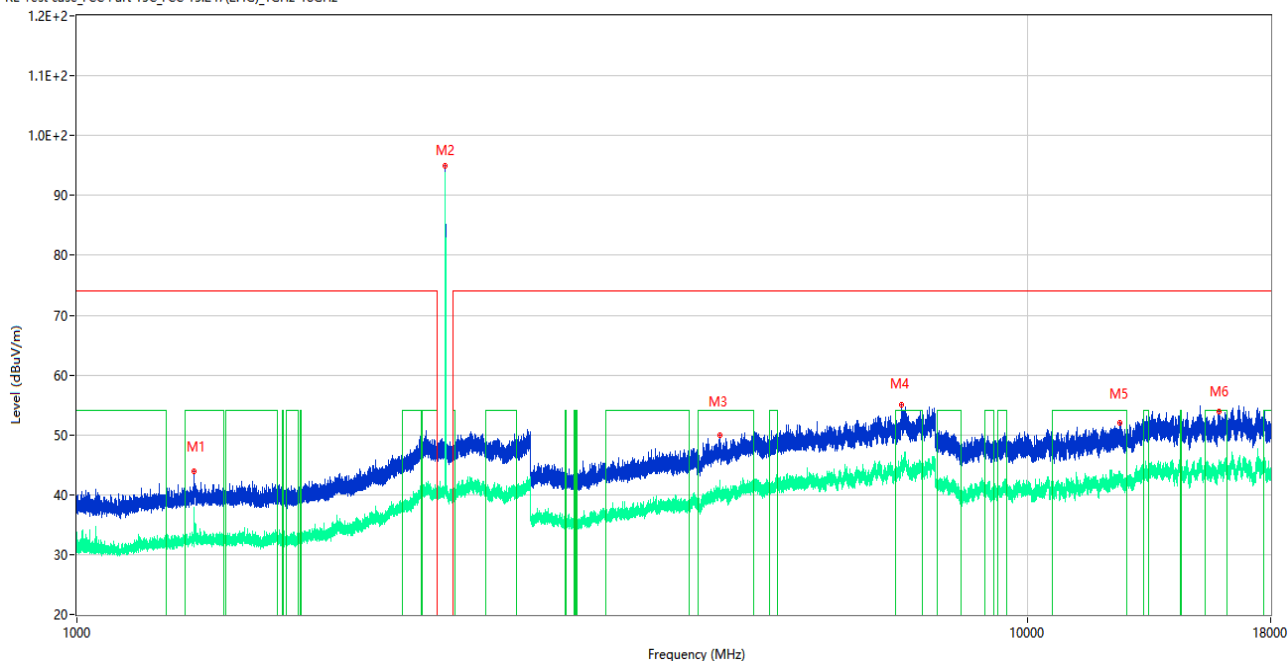
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.300	48.74	74.0	25.26	Peak	144.00	300	Vertical	Pass
1**	1328.300	38.23	54.0	15.77	AV	144.00	300	Vertical	Pass
2	2403.600	95.08	--	--	Peak	275.00	100	Vertical	N/A
2**	2403.600	92.95	--	--	AV	275.00	100	Vertical	N/A
3	4912.250	49.95	74.0	24.05	Peak	23.00	200	Vertical	Pass
3**	4912.250	39.89	54.0	14.11	AV	23.00	200	Vertical	Pass
4	7421.750	55.64	74.0	18.36	Peak	245.00	300	Vertical	Pass
4**	7421.750	46.71	54.0	7.29	AV	245.00	300	Vertical	Pass
5	11955.325	51.89	74.0	22.11	Peak	197.00	100	Vertical	Pass
5**	11955.325	41.67	54.0	12.33	AV	197.00	100	Vertical	Pass
6	15898.951	54.24	74.0	19.76	Peak	96.00	300	Vertical	Pass
6**	15898.951	45.12	54.0	8.88	AV	96.00	300	Vertical	Pass

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

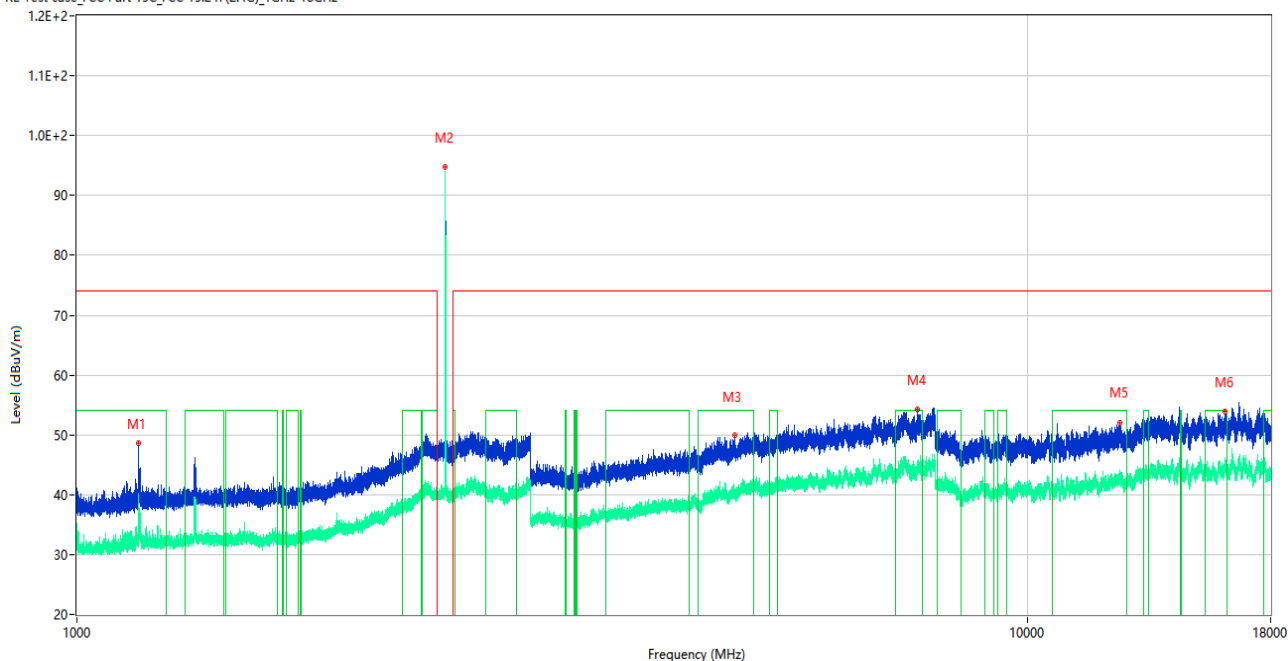
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.500	43.96	74.0	30.04	Peak	208.00	400	Horizontal	Pass
1**	1327.500	33.64	54.0	20.36	AV	208.00	400	Horizontal	Pass
2	2440.600	95.01	--	--	Peak	285.00	100	Horizontal	N/A
2**	2440.600	93.13	--	--	AV	285.00	100	Horizontal	N/A
3	4746.000	49.93	74.0	24.07	Peak	220.00	200	Horizontal	Pass
3**	4746.000	40.52	54.0	13.48	AV	220.00	200	Horizontal	Pass
4	7367.000	55.11	74.0	18.89	Peak	109.00	300	Horizontal	Pass
4**	7367.000	44.41	54.0	9.59	AV	109.00	300	Horizontal	Pass
5	12490.174	51.96	74.0	22.04	Peak	276.00	200	Horizontal	Pass
5**	12490.174	43.01	54.0	10.99	AV	276.00	200	Horizontal	Pass
6	15903.150	53.88	74.0	20.12	Peak	279.00	300	Horizontal	Pass
6**	15903.150	44.36	54.0	9.64	AV	279.00	300	Horizontal	Pass

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

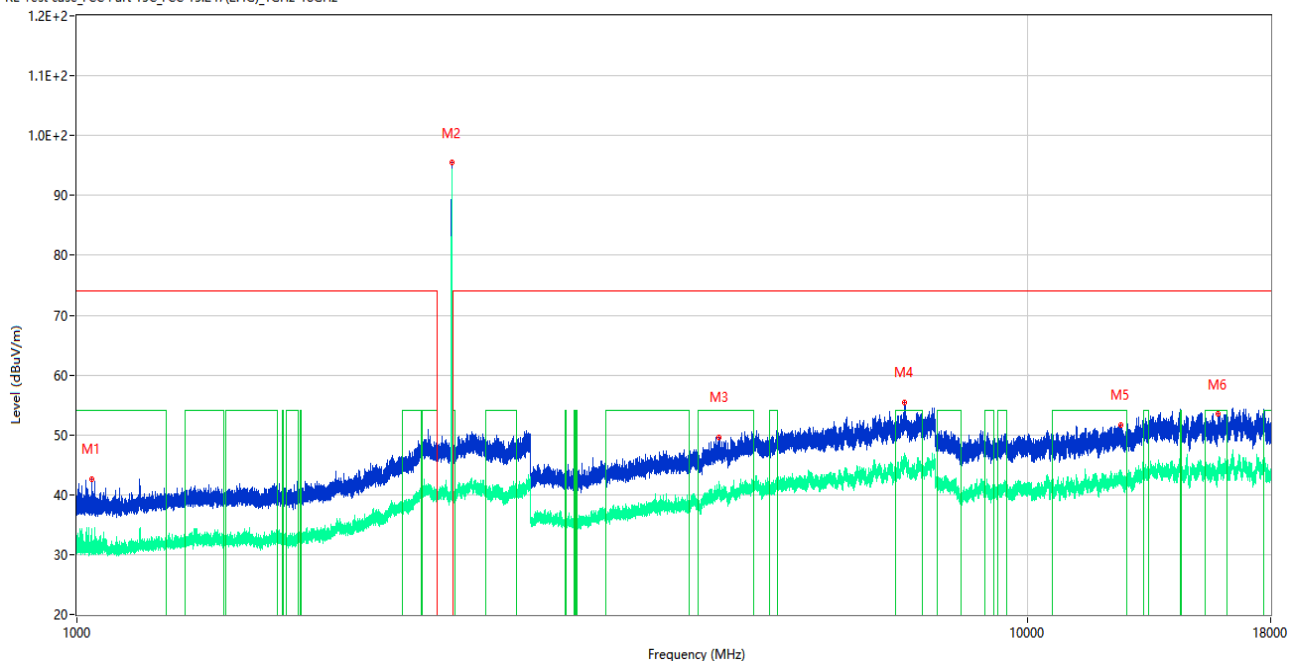
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.500	48.60	74.0	25.40	Peak	302.00	200	Vertical	Pass
1**	1161.500	34.44	54.0	19.56	AV	302.00	200	Vertical	Pass
2	2440.600	94.74	--	--	Peak	270.00	100	Vertical	N/A
2**	2440.600	92.05	--	--	AV	270.00	100	Vertical	N/A
3	4922.000	49.94	74.0	24.06	Peak	72.00	100	Vertical	Pass
3**	4922.000	40.12	54.0	13.88	AV	72.00	100	Vertical	Pass
4	7659.500	54.21	74.0	19.79	Peak	344.00	300	Vertical	Pass
4**	7659.500	45.22	54.0	8.78	AV	344.00	300	Vertical	Pass
5	12488.037	52.06	74.0	21.94	Peak	320.00	200	Vertical	Pass
5**	12488.037	42.33	54.0	11.67	AV	320.00	200	Vertical	Pass
6	16135.463	53.83	74.0	20.17	Peak	165.00	100	Vertical	Pass
6**	16135.463	45.19	54.0	8.81	AV	165.00	100	Vertical	Pass

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

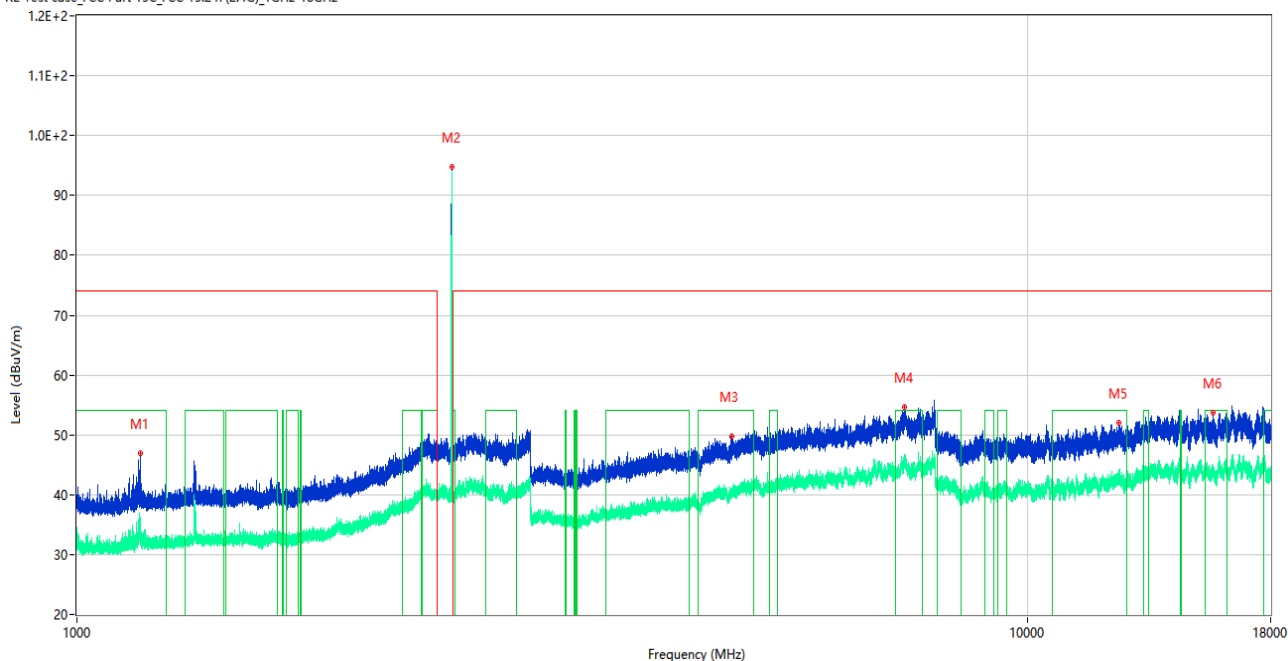
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1036.400	42.65	74.0	31.35	Peak	178.00	300	Horizontal	Pass
1**	1036.400	31.09	54.0	22.91	AV	178.00	300	Horizontal	Pass
2	2478.400	95.49	--	--	Peak	268.00	200	Horizontal	N/A
2**	2478.400	93.73	--	--	AV	268.00	200	Horizontal	N/A
3	4732.750	49.65	74.0	24.35	Peak	189.00	200	Horizontal	Pass
3**	4732.750	40.45	54.0	13.55	AV	189.00	200	Horizontal	Pass
4	7425.250	55.48	74.0	18.52	Peak	360.00	200	Horizontal	Pass
4**	7425.250	45.45	54.0	8.55	AV	360.00	200	Horizontal	Pass
5	12510.599	51.69	74.0	22.31	Peak	165.00	150	Horizontal	Pass
5**	12510.599	41.97	54.0	12.03	AV	165.00	150	Horizontal	Pass
6	15862.200	53.45	74.0	20.55	Peak	85.00	300	Horizontal	Pass
6**	15862.200	43.96	54.0	10.04	AV	85.00	300	Horizontal	Pass

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

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



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.400	46.91	74.0	27.09	Peak	123.00	100	Vertical	Pass
1**	1166.400	32.90	54.0	21.10	AV	123.00	100	Vertical	Pass
2	2478.400	94.69	--	--	Peak	266.00	100	Vertical	N/A
2**	2478.400	93.95	--	--	AV	266.00	100	Vertical	N/A
3	4888.250	49.73	74.0	24.27	Peak	233.00	150	Vertical	Pass
3**	4888.250	40.33	54.0	13.67	AV	233.00	150	Vertical	Pass
4	7410.750	54.64	74.0	19.36	Peak	218.00	100	Vertical	Pass
4**	7410.750	45.44	54.0	8.56	AV	218.00	100	Vertical	Pass
5	12465.237	51.94	74.0	22.06	Peak	223.00	200	Vertical	Pass
5**	12465.237	42.61	54.0	11.39	AV	223.00	200	Vertical	Pass
6	15652.463	53.64	74.0	20.36	Peak	120.00	100	Vertical	Pass
6**	15652.463	43.76	54.0	10.24	AV	120.00	100	Vertical	Pass

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

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

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

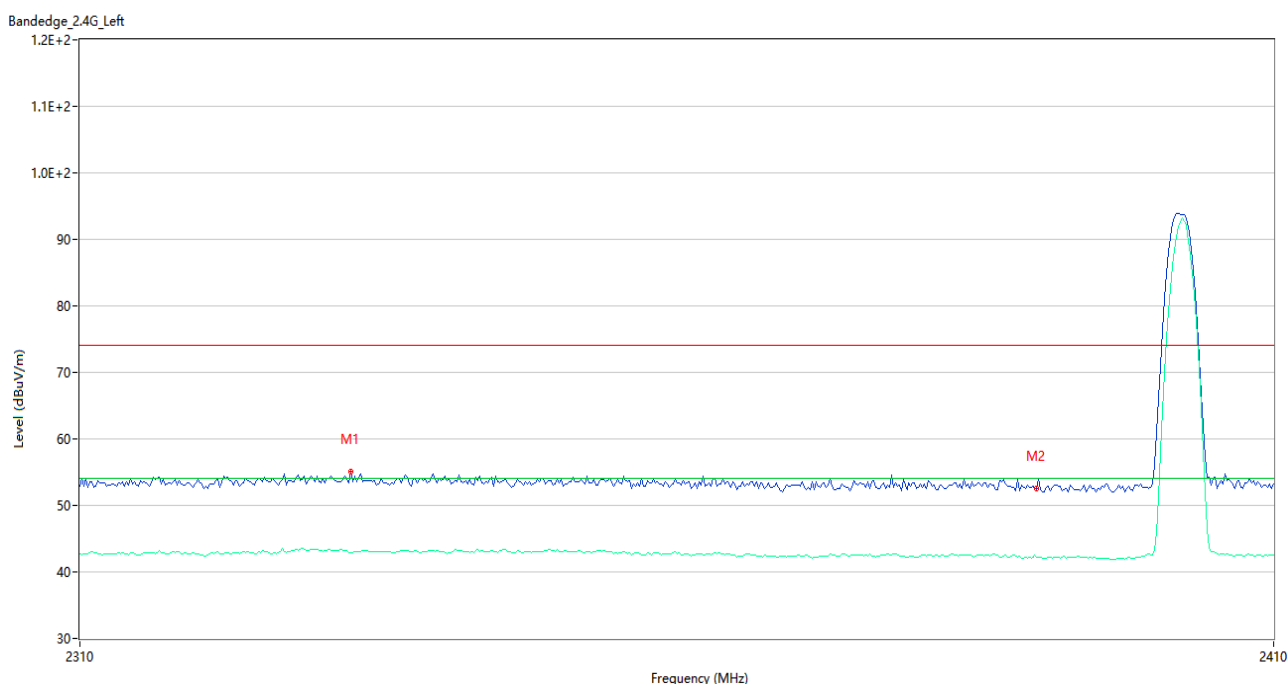
Note ³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

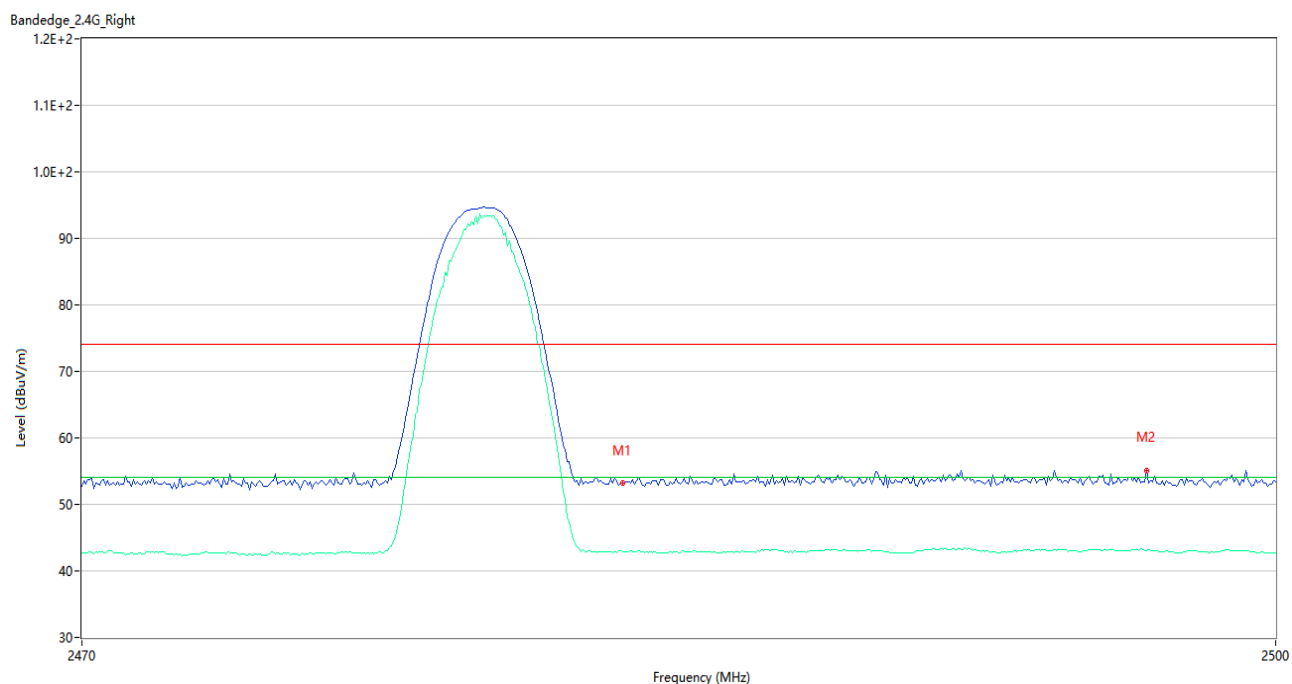
Test Data and Plots

GFSK (BLE 1Mbps) LOW CHANNEL



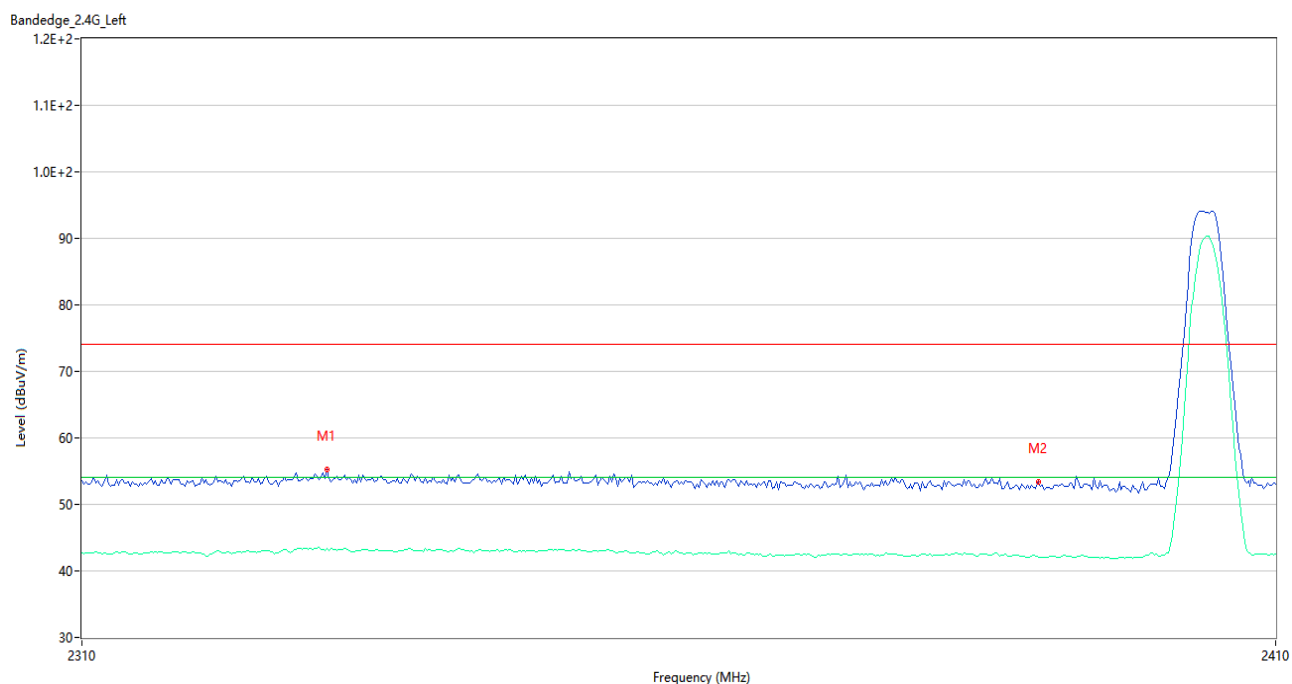
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2332.333	55.02	74.0	18.98	Peak	0.00	150	Horizontal	Pass
1**	2332.333	42.87	54.0	11.13	AV	0.00	150	Horizontal	Pass
2	2389.833	52.48	74.0	21.52	Peak	9.00	150	Horizontal	Pass
2**	2389.833	42.28	54.0	11.72	AV	9.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



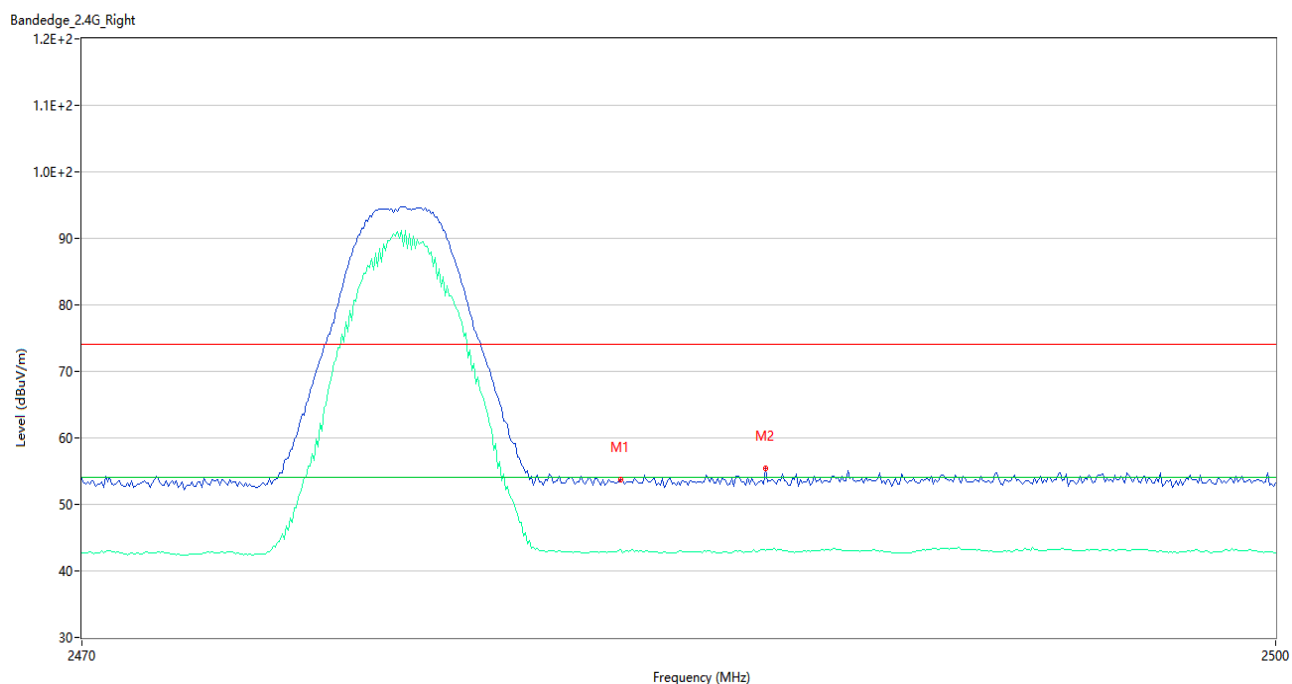
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	53.15	74.0	20.85	Peak	268.00	150	Horizontal	Pass
1**	2483.550	42.82	54.0	11.18	AV	268.00	150	Horizontal	Pass
2	2496.750	55.13	74.0	18.87	Peak	36.00	150	Horizontal	Pass
2**	2496.750	43.09	54.0	10.91	AV	36.00	150	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	2330.167	55.32	74.0	18.68	Peak	286.00	100	Horizontal	Pass
1**	2330.167	43.37	54.0	10.63	AV	286.00	100	Horizontal	Pass
2	2389.833	53.44	74.0	20.56	Peak	4.00	200	Horizontal	Pass
2**	2389.833	42.10	54.0	11.90	AV	4.00	200	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	2483.500	53.72	74.0	20.28	Peak	173.00	200	Horizontal	Pass
1**	2483.500	43.23	54.0	10.77	AV	173.00	200	Horizontal	Pass
2	2487.150	55.36	74.0	18.64	Peak	115.00	200	Horizontal	Pass
2**	2487.150	43.05	54.0	10.95	AV	115.00	200	Horizontal	Pass

A.8 Power Spectral Density (PSD)

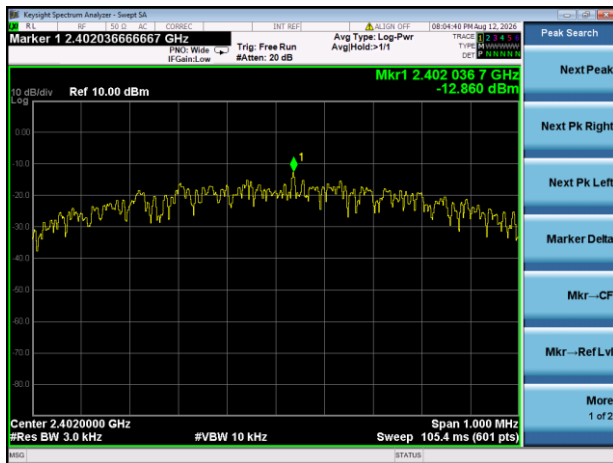
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-12.86	8	Pass
Middle Channel	-14.10	8	Pass
High Channel	-14.59	8	Pass

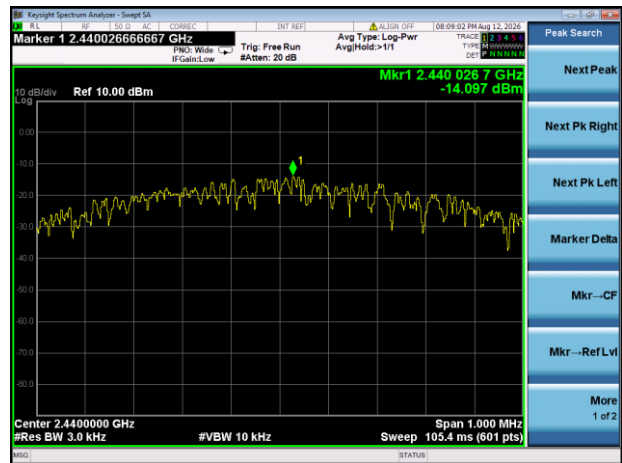
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-17.52	8	Pass
Middle Channel	-16.62	8	Pass
High Channel	-17.20	8	Pass

Test Plots

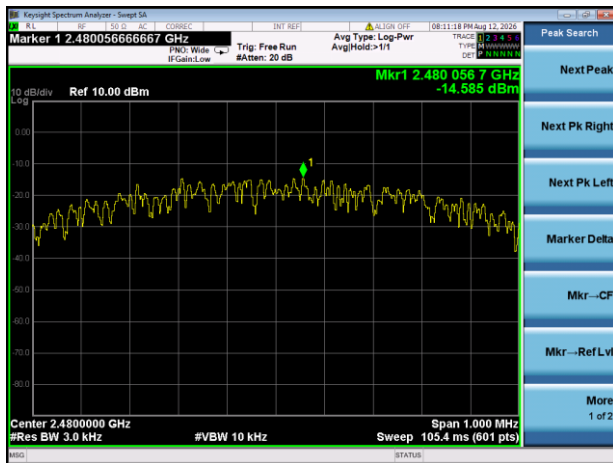
GFSK (BLE 1Mbps) LOW CHANNEL



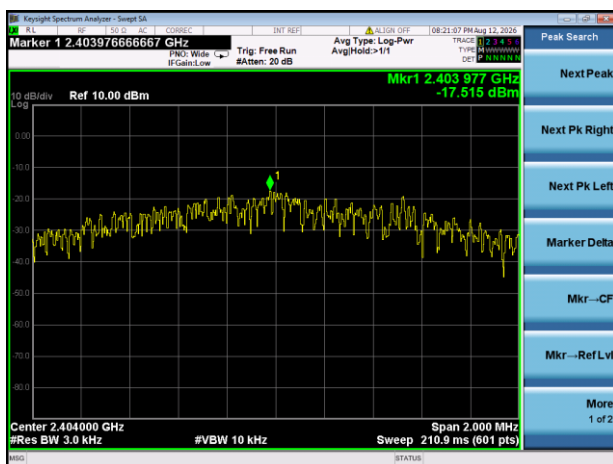
GFSK (BLE 1Mbps) MIDDLE CHANNEL



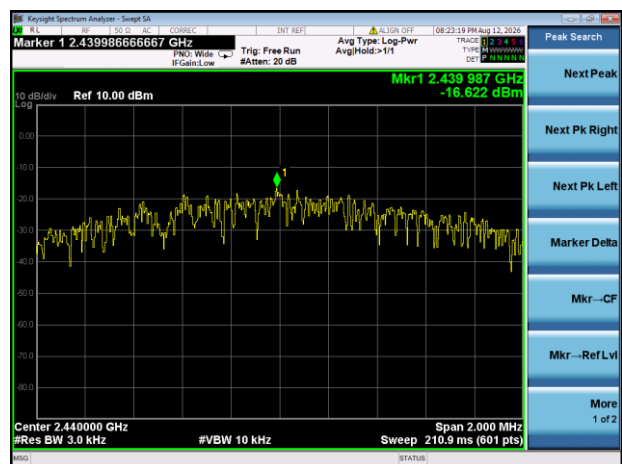
GFSK (BLE 1Mbps) HIGH CHANNEL



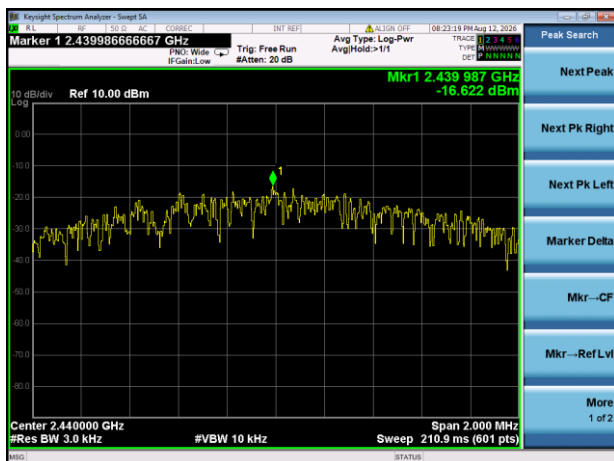
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26060906-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26060906-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26060906-AI.PDF”.

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--