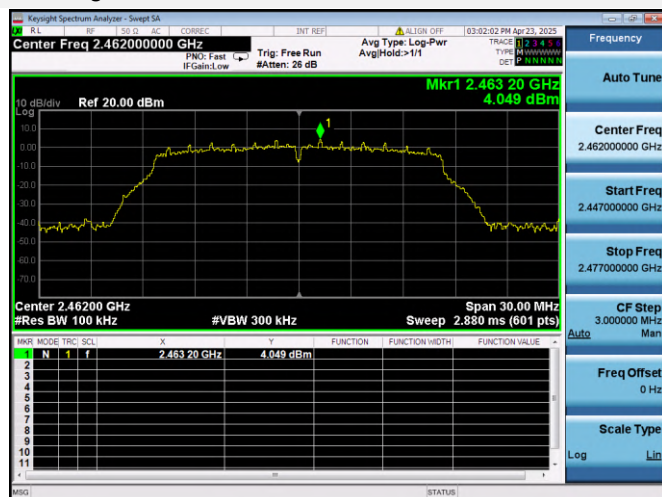
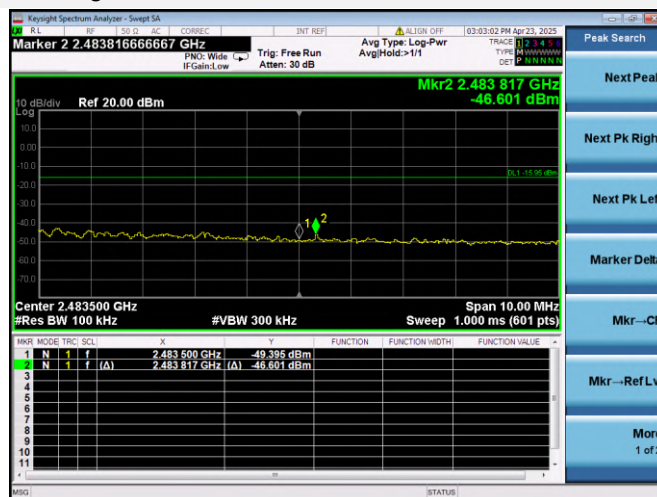


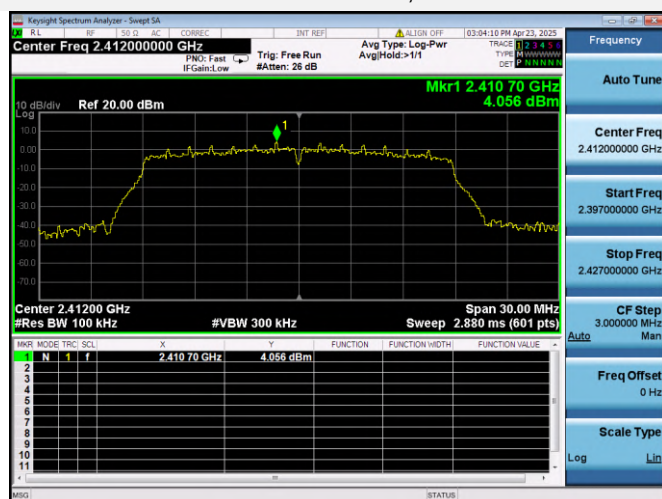
802.11g HIGH CHANNEL, CARRIER LEVEL



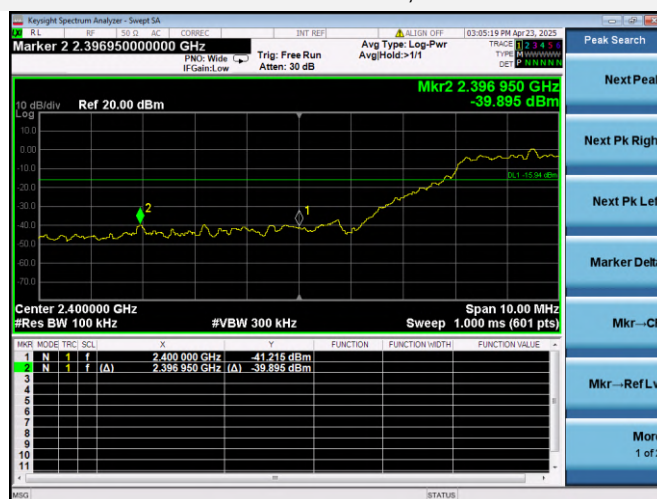
802.11g HIGH CHANNEL, BAND EDGE



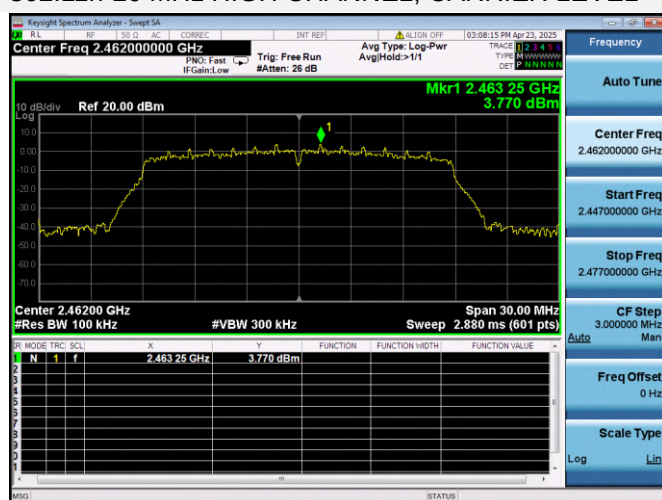
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



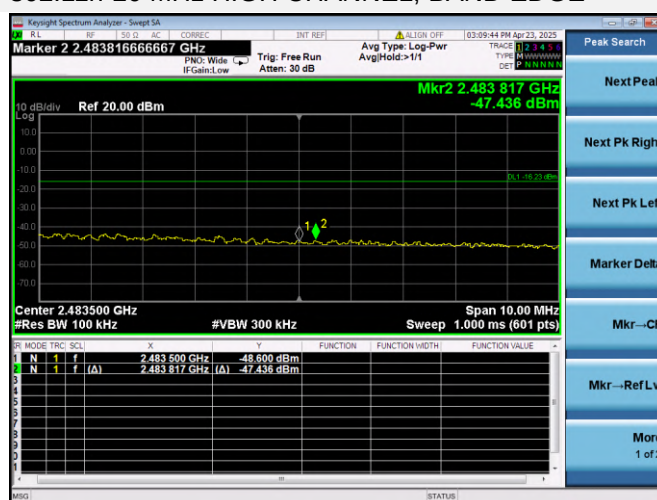
802.11n-20 MHz LOW CHANNEL, BAND EDGE



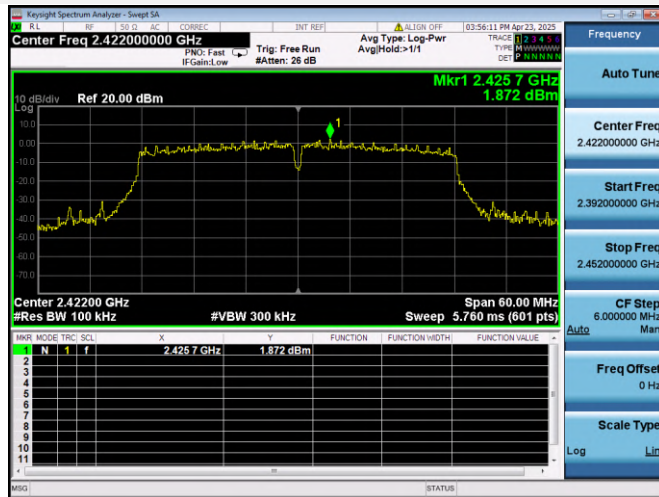
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



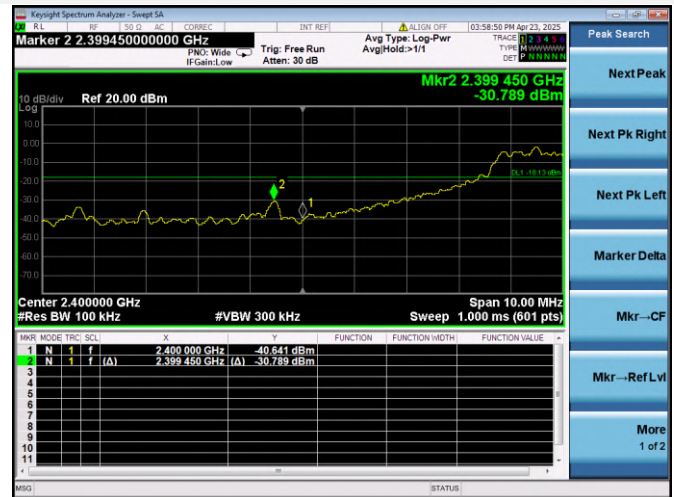
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



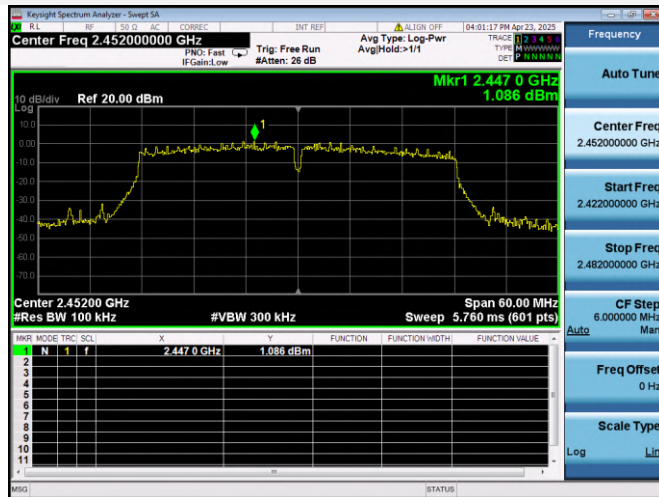
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



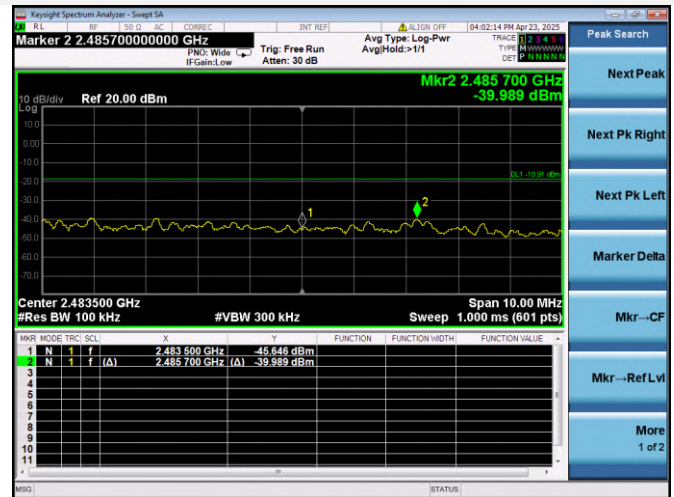
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL

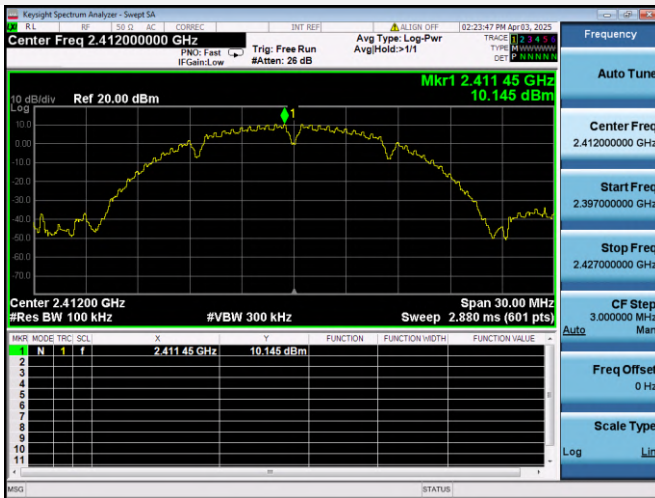


802.11n-40 MHz HIGH CHANNEL, BAND EDGE

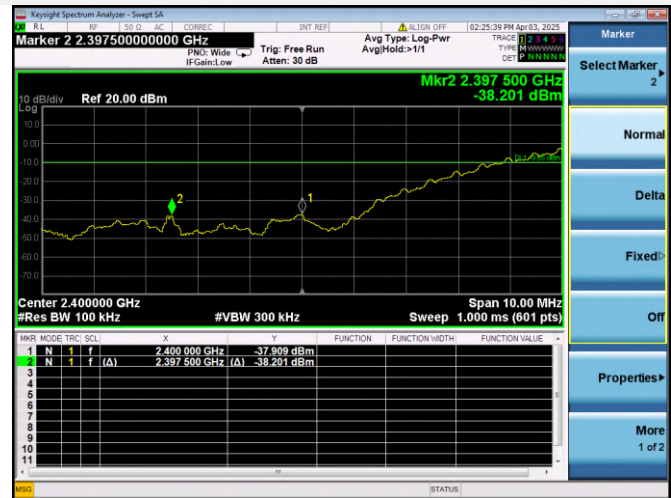


Aux. Antenna:

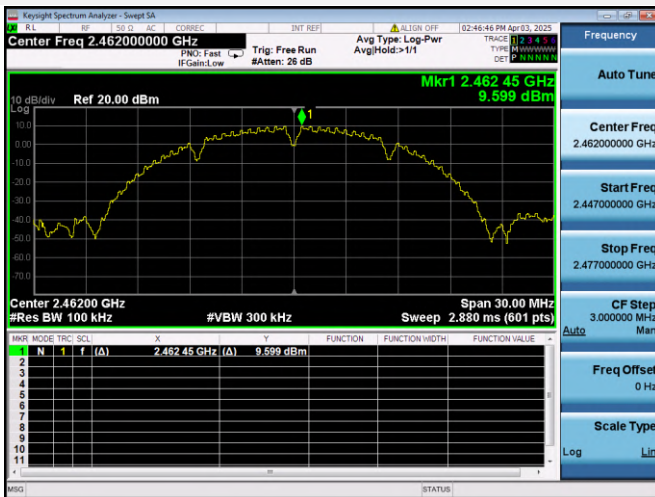
802.11b LOW CHANNEL, CARRIER LEVEL



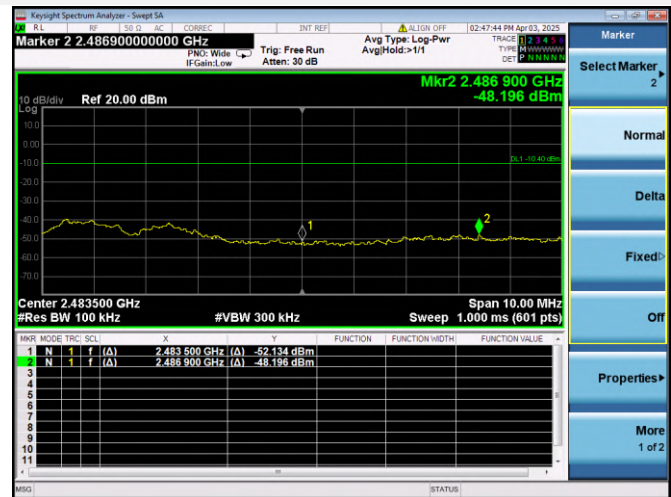
802.11b LOW CHANNEL, BAND EDGE



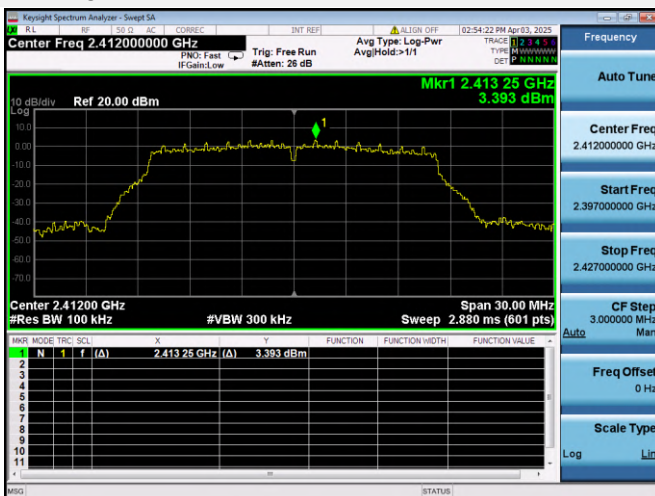
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



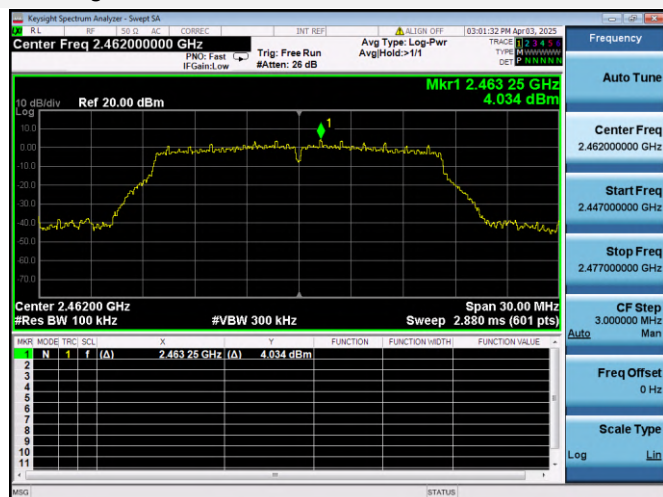
802.11g LOW CHANNEL, CARRIER LEVEL



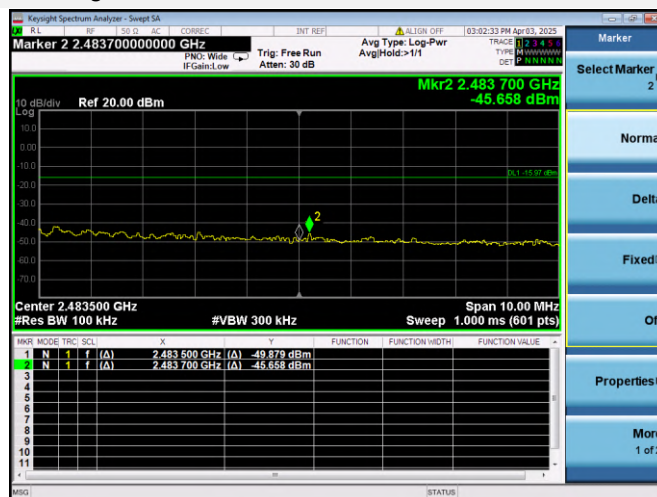
802.11g LOW CHANNEL, BAND EDGE



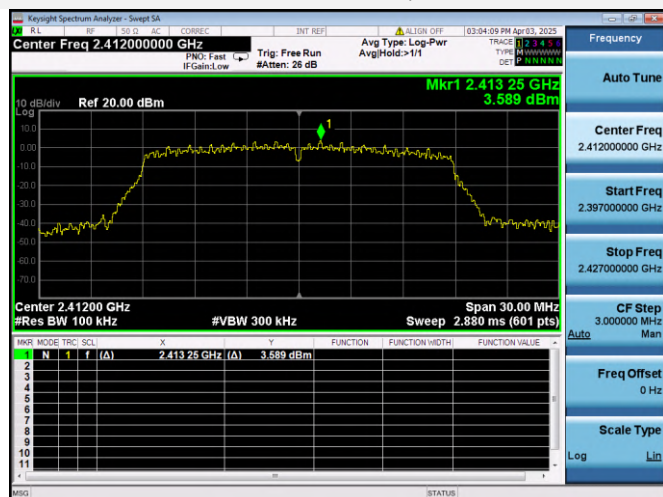
802.11g HIGH CHANNEL, CARRIER LEVEL



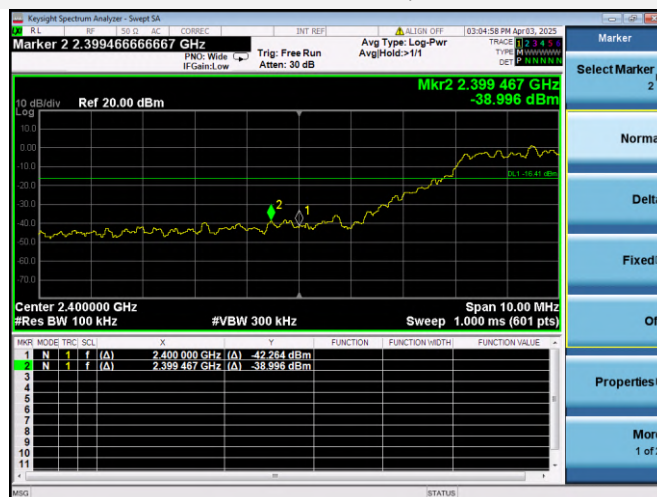
802.11g HIGH CHANNEL, BAND EDGE



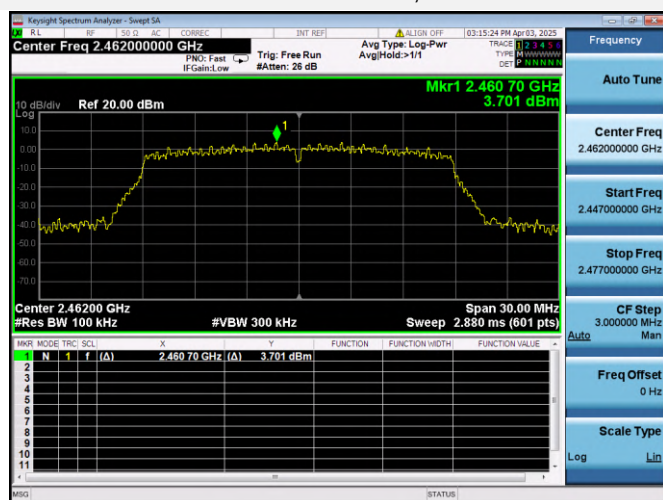
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



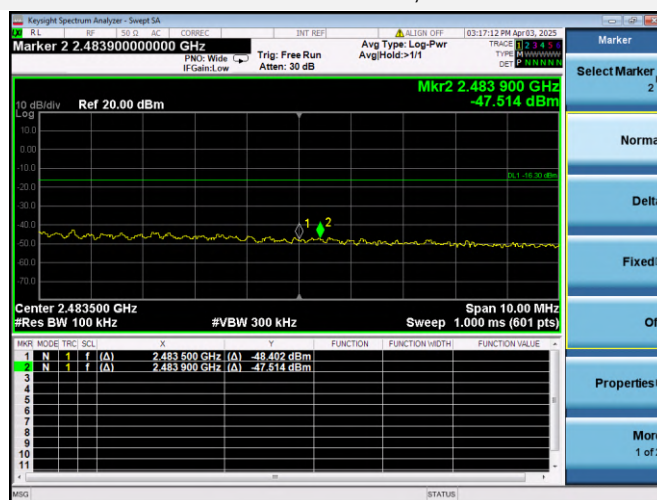
802.11n-20 MHz LOW CHANNEL, BAND EDGE



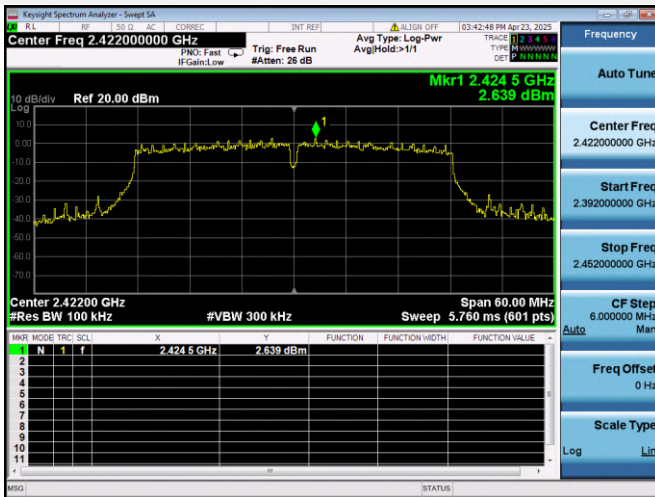
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



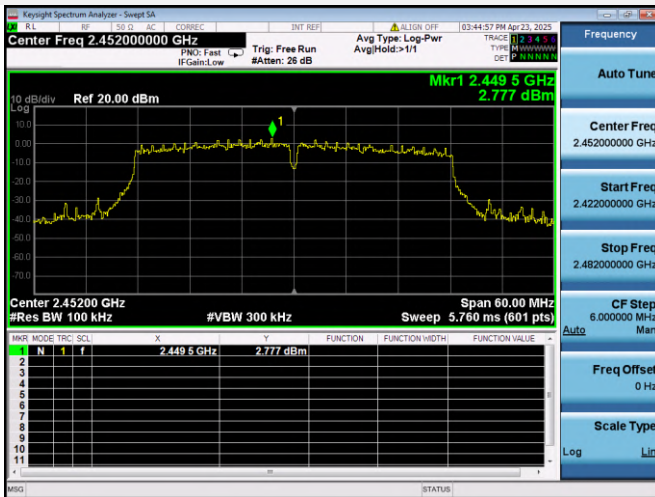
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



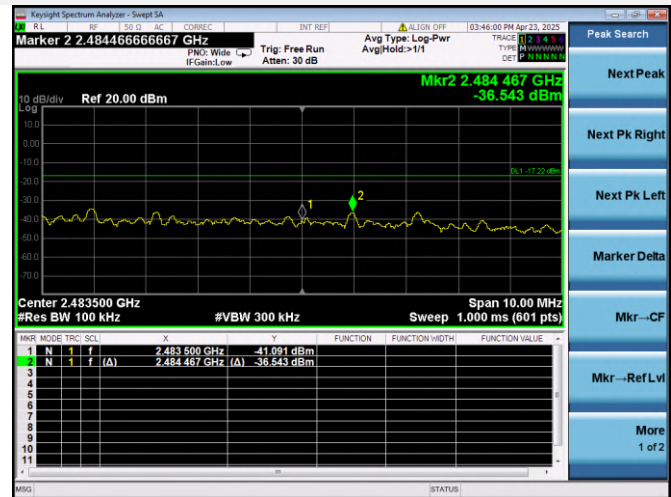
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

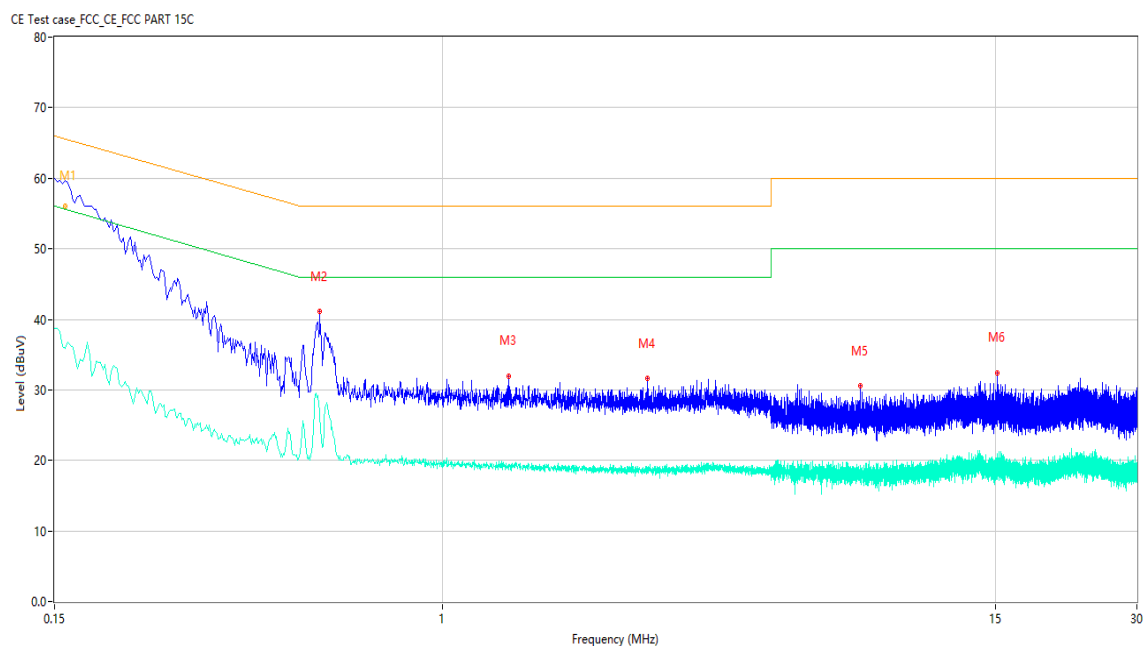
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

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

Test Data and Plots

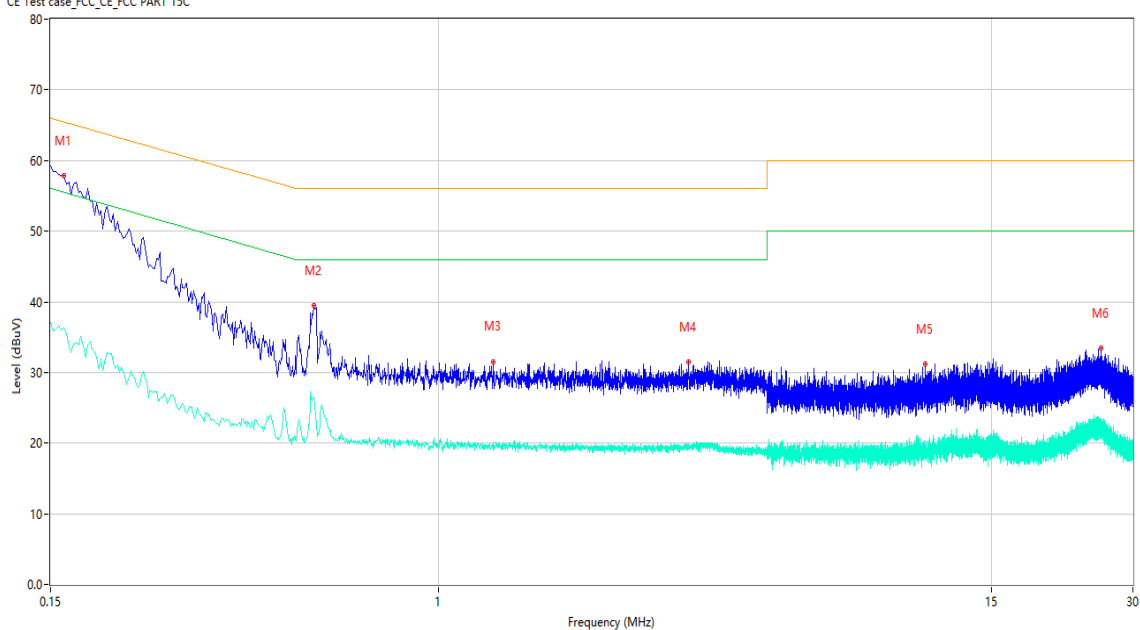
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.158	59.42	9.82	65.57	6.15	Peak	L	N/A
1*	0.158	56.11	9.82	65.57	9.46	QP	L	Pass
1**	0.158	35.83	9.82	55.57	19.74	AV	L	Pass
2	0.550	41.10	9.76	56.00	14.90	Peak	L	Pass
2**	0.550	26.43	9.76	46.00	19.57	AV	L	Pass
3	1.388	32.01	9.73	56.00	23.99	Peak	L	Pass
3**	1.388	19.46	9.73	46.00	26.54	AV	L	Pass
4	2.732	31.63	9.64	56.00	24.37	Peak	L	Pass
4**	2.732	19.02	9.64	46.00	26.98	AV	L	Pass
5	7.738	30.62	9.31	60.00	29.38	Peak	L	Pass
5**	7.738	18.66	9.31	50.00	31.34	AV	L	Pass
6	15.122	32.45	8.92	60.00	27.55	Peak	L	Pass
6**	15.122	20.95	8.92	50.00	29.05	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	0.160	57.79	9.73	65.46	7.67	Peak	N	Pass
1**	0.160	36.29	9.73	55.46	19.17	AV	N	Pass
2	0.544	39.52	9.74	56.00	16.48	Peak	N	Pass
2**	0.544	26.54	9.74	46.00	19.46	AV	N	Pass
3	1.308	31.56	9.74	56.00	24.44	Peak	N	Pass
3**	1.308	20.18	9.74	46.00	25.82	AV	N	Pass
4	3.400	31.48	9.68	56.00	24.52	Peak	N	Pass
4**	3.400	19.72	9.68	46.00	26.28	AV	N	Pass
5	10.842	31.12	9.13	60.00	28.88	Peak	N	Pass
5**	10.842	18.54	9.13	50.00	31.46	AV	N	Pass
6	25.712	33.38	8.62	60.00	26.62	Peak	N	Pass
6**	25.712	22.03	8.62	50.00	27.97	AV	N	Pass

A.6 Radiated 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 C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

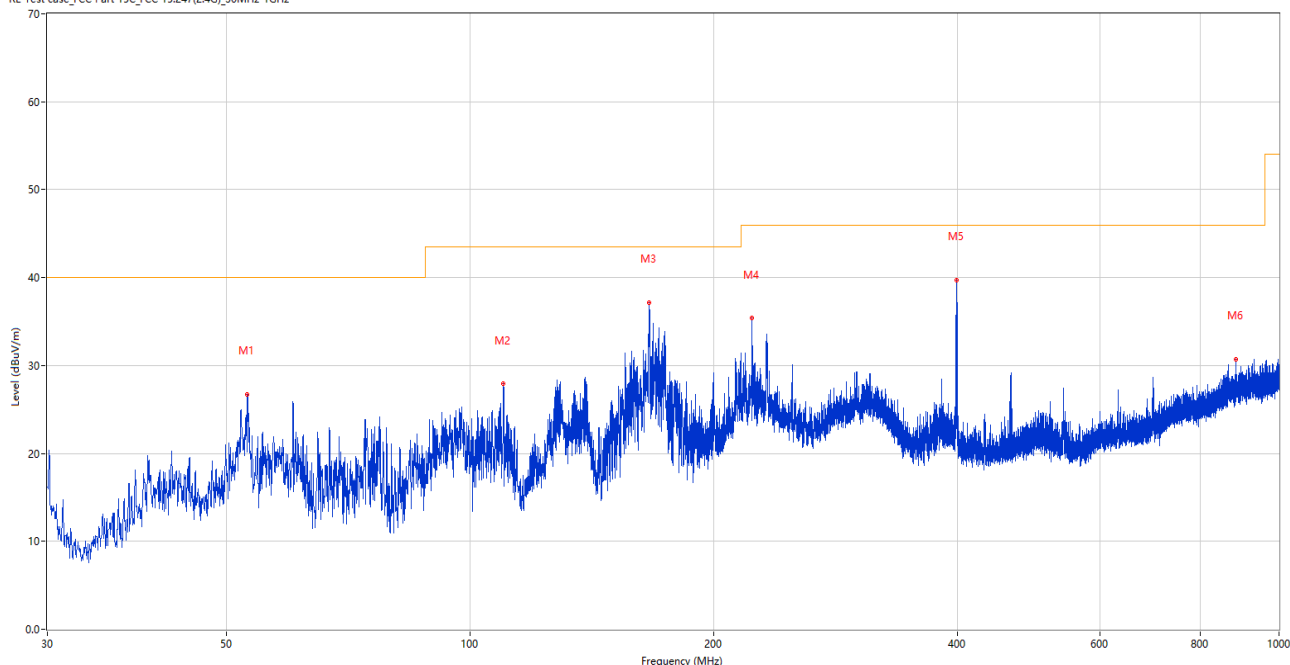
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

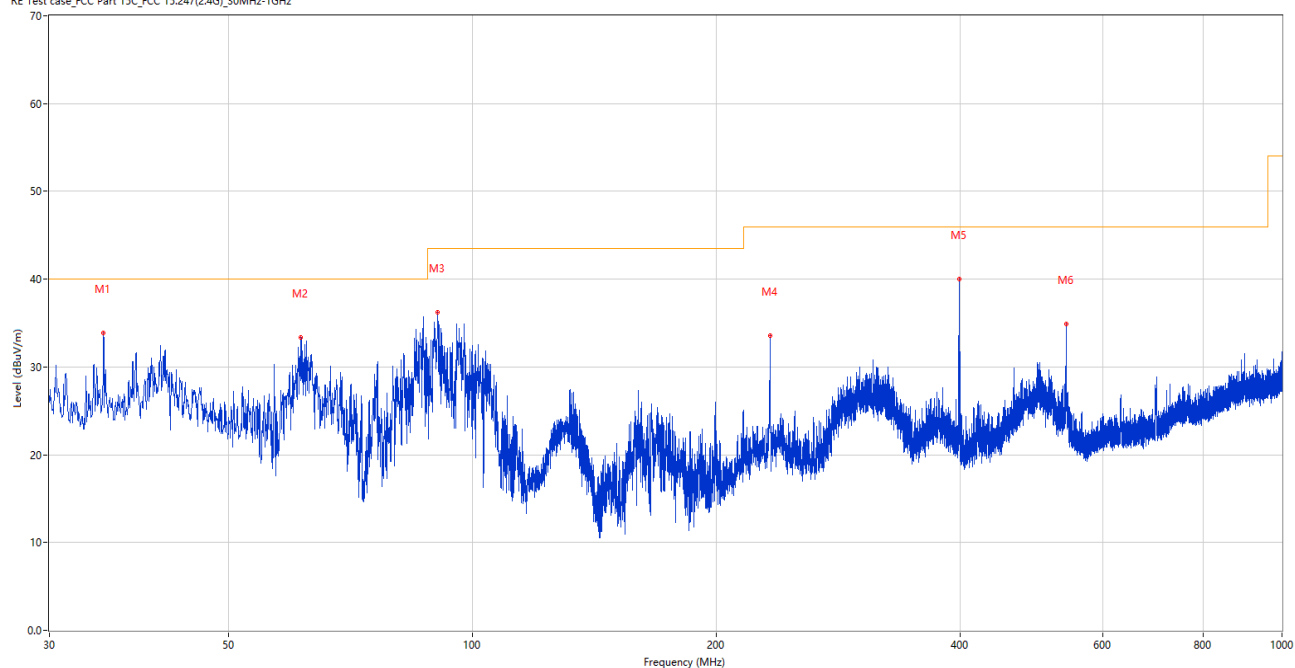
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.038	26.69	-24.81	40.0	13.31	Peak	209.00	100	Horizontal	Pass
2	109.928	27.89	-26.57	43.5	15.61	Peak	245.00	100	Horizontal	Pass
3	166.576	37.16	-28.45	43.5	6.34	Peak	245.00	200	Horizontal	Pass
4	223.127	35.36	-25.54	46.0	10.64	Peak	360.00	100	Horizontal	Pass
5	399.085	39.75	-20.44	46.0	6.25	Peak	360.00	200	Horizontal	Pass
6	883.940	30.69	-9.78	46.0	15.31	Peak	251.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.995	33.89	-27.75	40.0	6.11	Peak	210.00	100	Vertical	Pass
2	61.380	33.37	-26.36	40.0	6.63	Peak	273.00	200	Vertical	Pass
3	90.528	36.26	-27.90	43.5	7.24	Peak	360.00	100	Vertical	Pass
4	233.166	33.53	-24.80	46.0	12.47	Peak	292.00	100	Vertical	Pass
5	399.279	40.05	-20.44	46.0	5.95	Peak	273.00	200	Vertical	Pass
6	541.142	34.89	-17.12	46.0	11.11	Peak	95.00	100	Vertical	Pass

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

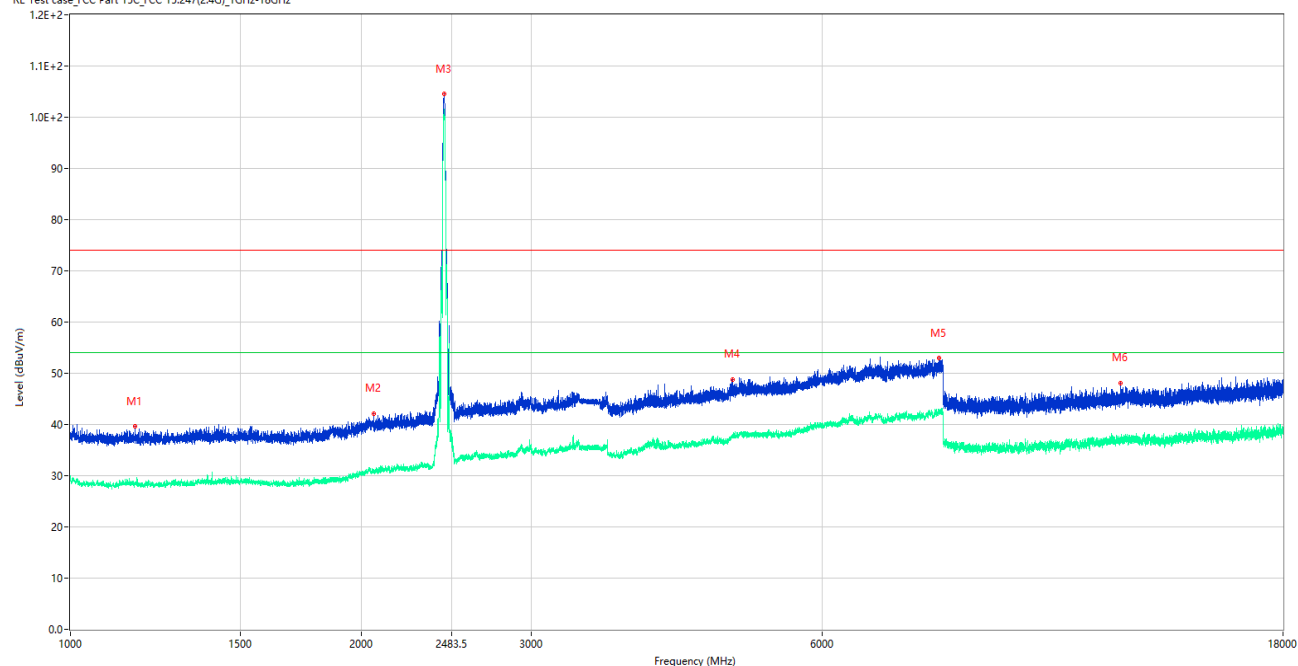
Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: All antenna were pre tested, but only the worst case has been reported in this report.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

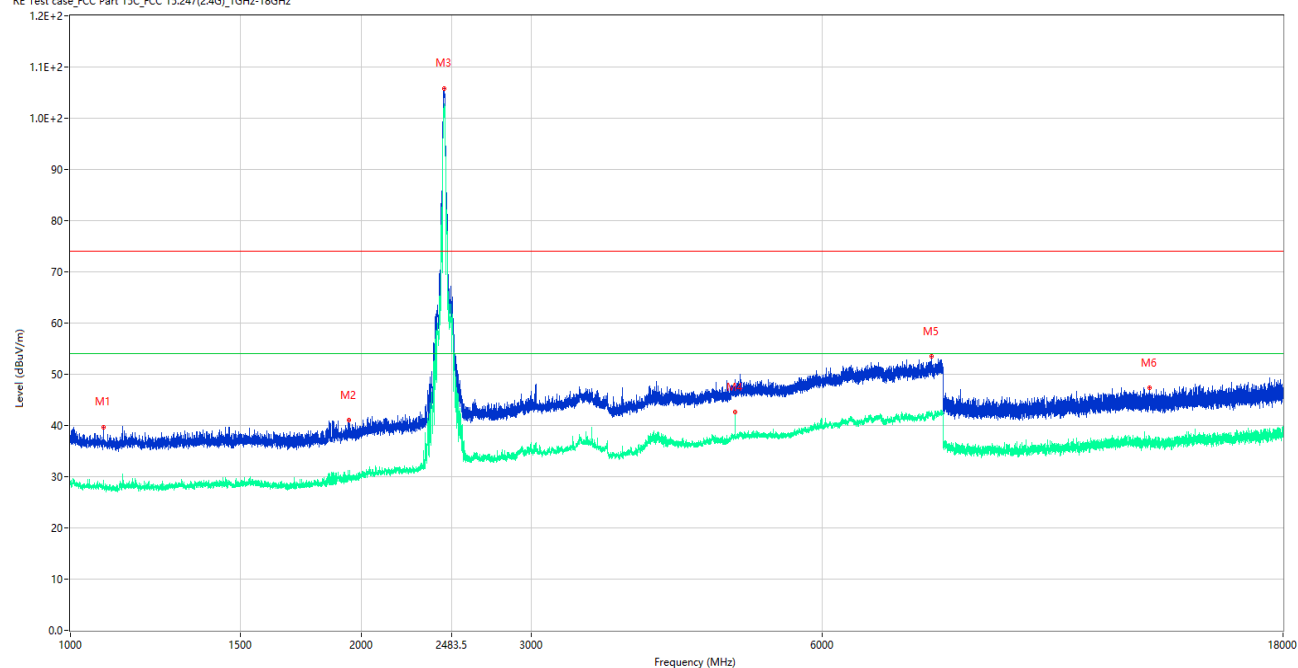
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.500	39.58	-15.46	74.0	34.42	Peak	52.00	150	Horizontal	Pass
1**	1166.500	28.52	-15.46	54.0	25.48	AV	52.00	150	Horizontal	Pass
2	2061.500	42.07	-13.84	74.0	31.93	Peak	160.00	150	Horizontal	Pass
2**	2061.500	30.78	-13.84	54.0	23.22	AV	160.00	150	Horizontal	Pass
3	2438.250	104.55	-12.38	74.0	-30.55	Peak	355.00	150	Horizontal	N/A
3**	2438.250	101.53	-12.38	54.0	-47.53	AV	355.00	150	Horizontal	N/A
4	4851.500	48.71	-2.04	74.0	25.29	Peak	0.00	150	Horizontal	Pass
4**	4851.500	37.41	-2.04	54.0	16.59	AV	0.00	150	Horizontal	Pass
5	7925.500	53.04	1.95	74.0	20.96	Peak	279.00	150	Horizontal	Pass
5**	7925.500	42.73	1.95	54.0	11.27	AV	279.00	150	Horizontal	Pass
6	12231.500	48.13	-2.80	74.0	25.87	Peak	0.00	150	Horizontal	Pass
6**	12231.500	36.80	-2.80	54.0	17.20	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

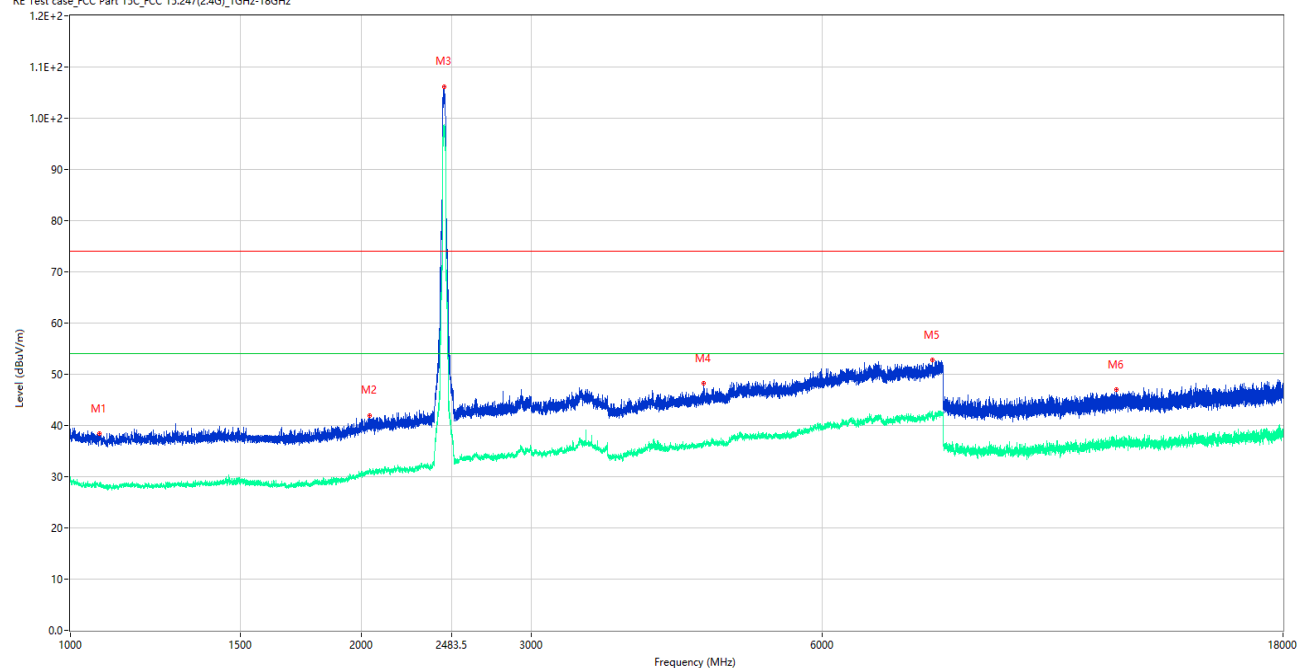
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1082.000	39.67	-15.64	74.0	34.33	Peak	322.00	150	Vertical	Pass
1**	1082.000	29.34	-15.64	54.0	24.66	AV	322.00	150	Vertical	Pass
2	1942.750	40.97	-14.91	74.0	33.03	Peak	0.00	150	Vertical	Pass
2**	1942.750	29.59	-14.91	54.0	24.41	AV	0.00	150	Vertical	Pass
3	2438.750	105.84	-12.37	74.0	-31.84	Peak	13.00	150	Vertical	N/A
3**	2438.750	102.75	-12.37	54.0	-48.75	AV	13.00	150	Vertical	N/A
4	4874.500	47.92	-2.25	74.0	26.08	Peak	47.00	150	Vertical	Pass
4**	4874.500	42.57	-2.25	54.0	11.43	AV	47.00	150	Vertical	Pass
5	7784.500	53.50	1.53	74.0	20.50	Peak	196.00	150	Vertical	Pass
5**	7784.500	42.37	1.53	54.0	11.63	AV	196.00	150	Vertical	Pass
6	13085.000	47.35	-1.64	74.0	26.65	Peak	10.00	150	Vertical	Pass
6**	13085.000	36.04	-1.64	54.0	17.96	AV	10.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

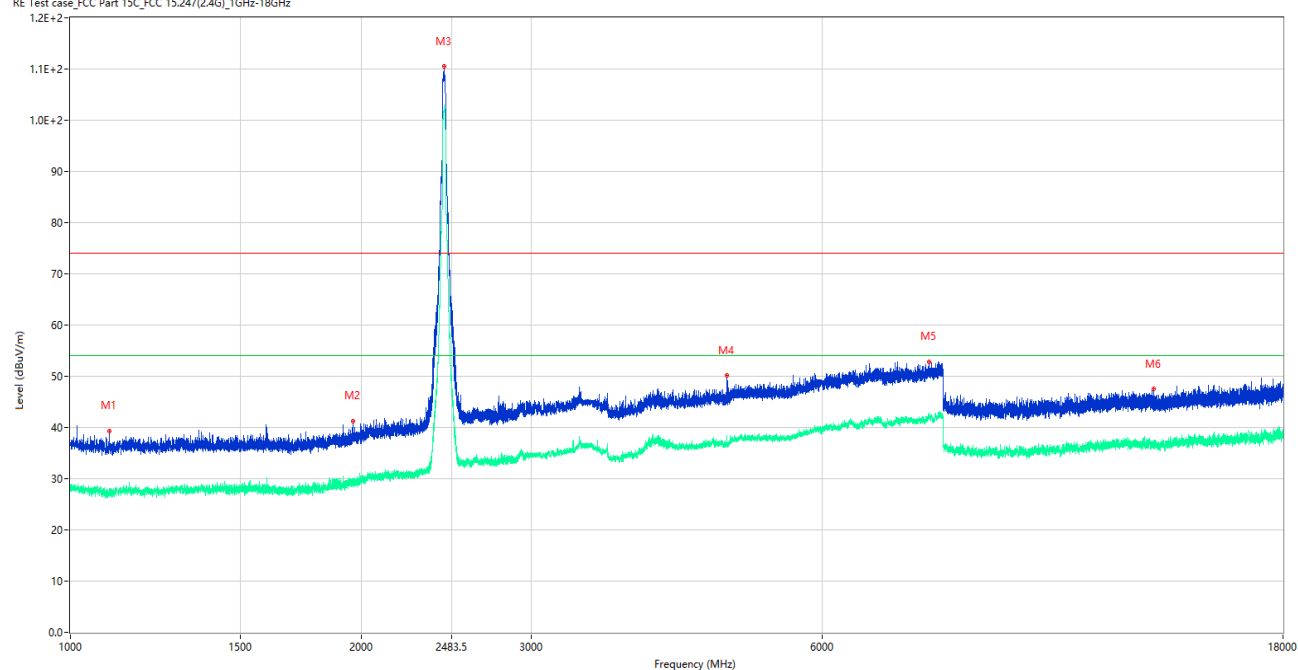
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1070.750	38.46	-15.19	74.0	35.54	Peak	29.00	150	Horizontal	Pass
1**	1070.750	28.18	-15.19	54.0	25.82	AV	29.00	150	Horizontal	Pass
2	2039.500	41.94	-13.27	74.0	32.06	Peak	184.00	150	Horizontal	Pass
2**	2039.500	31.08	-13.27	54.0	22.92	AV	184.00	150	Horizontal	Pass
3	2440.000	106.22	-12.37	74.0	-32.22	Peak	74.00	150	Horizontal	N/A
3**	2440.000	98.64	-12.37	54.0	-44.64	AV	74.00	150	Horizontal	N/A
4	4526.000	48.19	-2.44	74.0	25.81	Peak	327.00	150	Horizontal	Pass
4**	4526.000	36.37	-2.44	54.0	17.63	AV	327.00	150	Horizontal	Pass
5	7799.000	52.80	1.64	74.0	21.20	Peak	158.00	150	Horizontal	Pass
5**	7799.000	42.36	1.64	54.0	11.64	AV	158.00	150	Horizontal	Pass
6	12100.000	47.01	-3.11	74.0	26.99	Peak	292.00	150	Horizontal	Pass
6**	12100.000	36.16	-3.11	54.0	17.84	AV	292.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

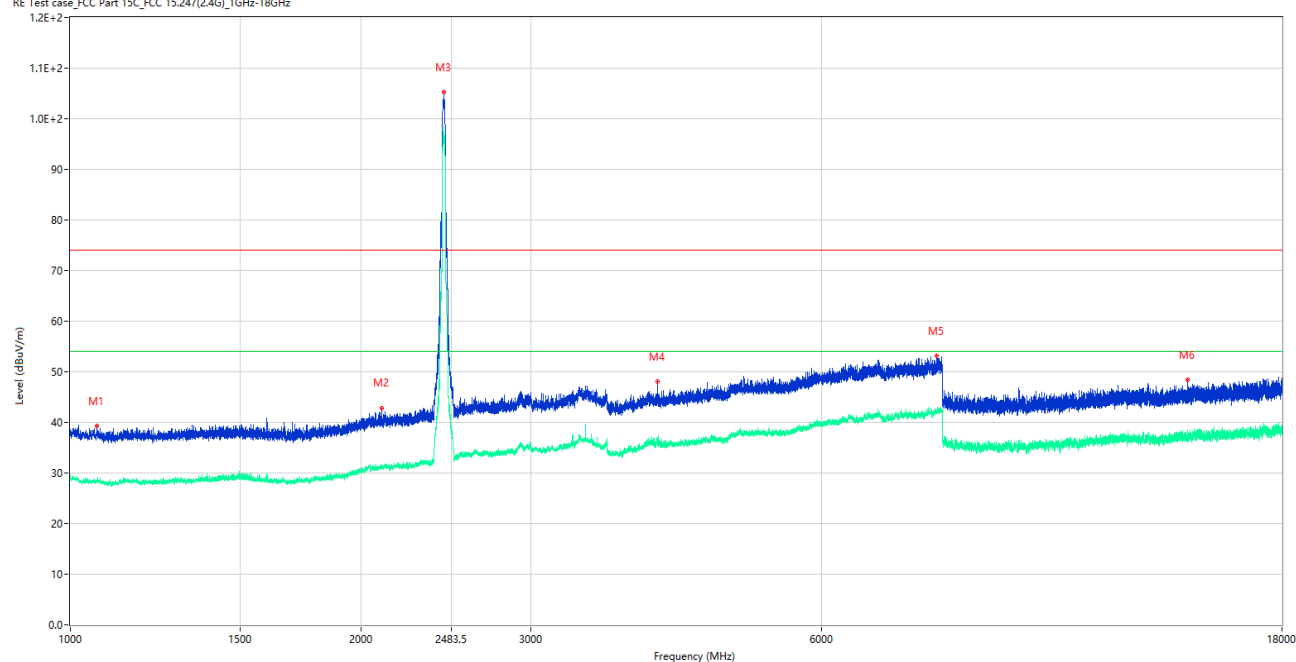
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1097.750	39.37	-15.74	74.0	34.63	Peak	5.00	150	Vertical	Pass
1**	1097.750	28.13	-15.74	54.0	25.87	AV	5.00	150	Vertical	Pass
2	1962.000	41.17	-15.00	74.0	32.83	Peak	294.00	150	Vertical	Pass
2**	1962.000	29.62	-15.00	54.0	24.38	AV	294.00	150	Vertical	Pass
3	2436.250	110.48	-12.35	74.0	-36.48	Peak	83.00	150	Vertical	N/A
3**	2436.250	102.72	-12.35	54.0	-48.72	AV	83.00	150	Vertical	N/A
4	4783.000	50.09	-3.01	74.0	23.91	Peak	252.00	150	Vertical	Pass
4**	4783.000	36.60	-3.01	54.0	17.40	AV	252.00	150	Vertical	Pass
5	7737.500	52.75	1.29	74.0	21.25	Peak	360.00	150	Vertical	Pass
5**	7737.500	42.50	1.29	54.0	11.50	AV	360.00	150	Vertical	Pass
6	13213.000	47.49	-2.38	74.0	26.51	Peak	39.00	150	Vertical	Pass
6**	13213.000	37.13	-2.38	54.0	16.87	AV	39.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

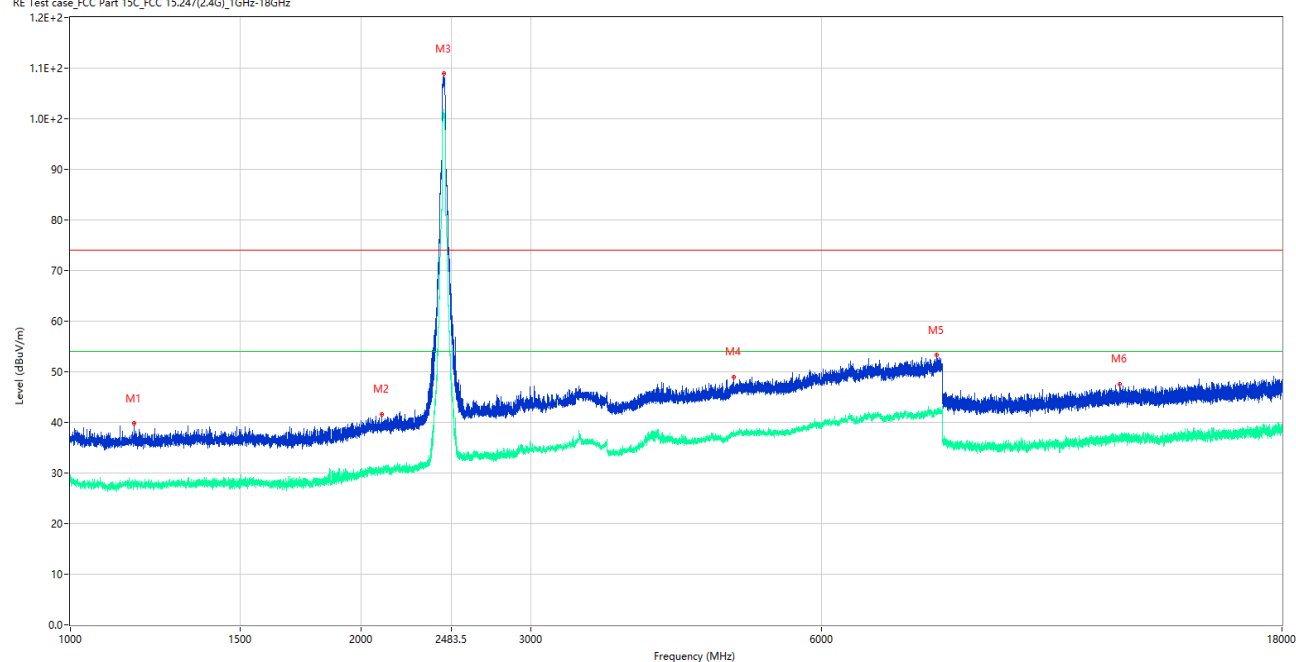
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.250	39.27	-15.17	74.0	34.73	Peak	354.00	150	Horizontal	Pass
1**	1065.250	28.27	-15.17	54.0	25.73	AV	354.00	150	Horizontal	Pass
2	2100.000	42.82	-13.54	74.0	31.18	Peak	121.00	150	Horizontal	Pass
2**	2100.000	31.27	-13.54	54.0	22.73	AV	121.00	150	Horizontal	Pass
3	2438.250	105.18	-12.38	74.0	-31.18	Peak	75.00	150	Horizontal	N/A
3**	2438.250	97.41	-12.38	54.0	-43.41	AV	75.00	150	Horizontal	N/A
4	4057.500	48.01	-3.98	74.0	25.99	Peak	328.00	150	Horizontal	Pass
4**	4057.500	36.39	-3.98	54.0	17.61	AV	328.00	150	Horizontal	Pass
5	7891.000	53.15	1.44	74.0	20.85	Peak	259.00	150	Horizontal	Pass
5**	7891.000	41.85	1.44	54.0	12.15	AV	259.00	150	Horizontal	Pass
6	14365.000	48.39	-1.47	74.0	25.61	Peak	0.00	150	Horizontal	Pass
6**	14365.000	37.41	-1.47	54.0	16.59	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

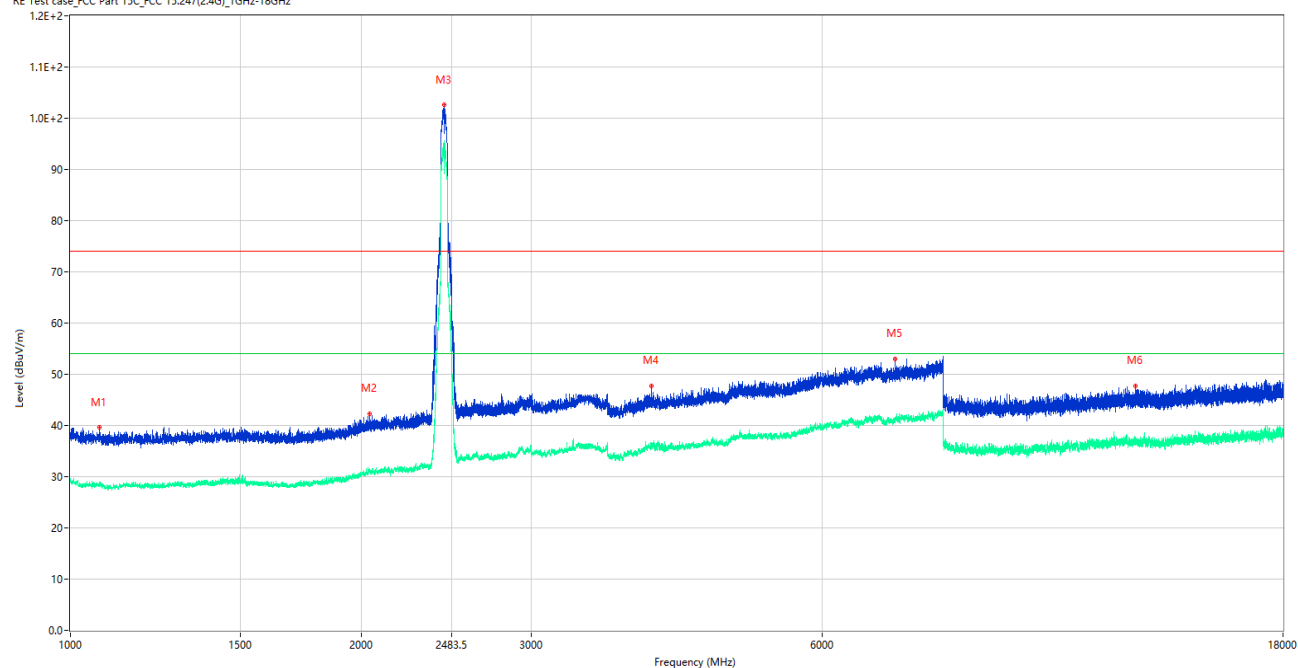
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.500	39.79	-15.47	74.0	34.21	Peak	333.00	150	Vertical	Pass
1**	1163.500	27.44	-15.47	54.0	26.56	AV	333.00	150	Vertical	Pass
2	2103.250	41.52	-13.55	74.0	32.48	Peak	81.00	150	Vertical	Pass
2**	2103.250	30.29	-13.55	54.0	23.71	AV	81.00	150	Vertical	Pass
3	2436.000	108.94	-12.33	74.0	-34.94	Peak	328.00	150	Vertical	N/A
3**	2436.000	101.40	-12.33	54.0	-47.40	AV	328.00	150	Vertical	N/A
4	4868.000	49.03	-2.14	74.0	24.97	Peak	0.00	150	Vertical	Pass
4**	4868.000	37.87	-2.14	54.0	16.13	AV	0.00	150	Vertical	Pass
5	7892.500	53.30	1.46	74.0	20.70	Peak	355.00	150	Vertical	Pass
5**	7892.500	41.94	1.46	54.0	12.06	AV	355.00	150	Vertical	Pass
6	12228.000	47.57	-2.75	74.0	26.43	Peak	60.00	150	Vertical	Pass
6**	12228.000	36.62	-2.75	54.0	17.38	AV	60.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

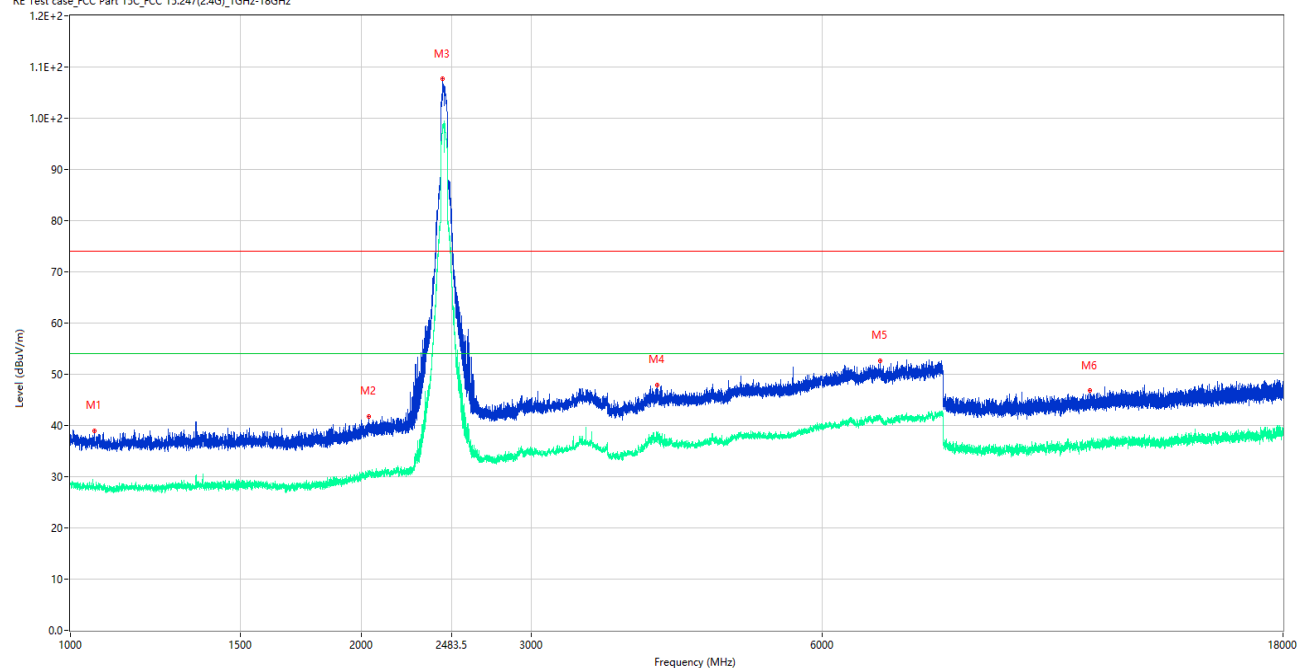
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1071.250	39.59	-15.21	74.0	34.41	Peak	163.00	150	Horizontal	Pass
1**	1071.250	28.28	-15.21	54.0	25.72	AV	163.00	150	Horizontal	Pass
2	2042.250	42.29	-13.32	74.0	31.71	Peak	102.00	150	Horizontal	Pass
2**	2042.250	31.06	-13.32	54.0	22.94	AV	102.00	150	Horizontal	Pass
3	2438.500	102.55	-12.37	74.0	-28.55	Peak	75.00	150	Horizontal	N/A
3**	2438.500	95.37	-12.37	54.0	-41.37	AV	75.00	150	Horizontal	N/A
4	3997.500	47.73	-4.80	74.0	26.27	Peak	332.00	150	Horizontal	Pass
4**	3997.500	35.70	-4.80	54.0	18.30	AV	332.00	150	Horizontal	Pass
5	7139.000	53.03	-0.22	74.0	20.97	Peak	1.00	150	Horizontal	Pass
5**	7139.000	41.06	-0.22	54.0	12.94	AV	1.00	150	Horizontal	Pass
6	12659.000	47.73	-3.12	74.0	26.27	Peak	96.00	150	Horizontal	Pass
6**	12659.000	36.72	-3.12	54.0	17.28	AV	96.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1059.000	38.97	-15.33	74.0	35.03	Peak	331.00	150	Vertical	Pass
1**	1059.000	28.11	-15.33	54.0	25.89	AV	331.00	150	Vertical	Pass
2	2035.750	41.77	-13.35	74.0	32.23	Peak	8.00	150	Vertical	Pass
2**	2035.750	30.78	-13.35	54.0	23.22	AV	8.00	150	Vertical	Pass
3	2429.750	107.69	-12.25	74.0	-33.69	Peak	299.00	150	Vertical	N/A
3**	2429.750	98.46	-12.25	54.0	-44.46	AV	299.00	150	Vertical	N/A
4	4051.000	47.90	-4.12	74.0	26.10	Peak	316.00	150	Vertical	Pass
4**	4051.000	36.93	-4.12	54.0	17.07	AV	316.00	150	Vertical	Pass
5	6886.000	52.70	0.62	74.0	21.30	Peak	158.00	150	Vertical	Pass
5**	6886.000	41.20	0.62	54.0	12.80	AV	158.00	150	Vertical	Pass
6	11370.000	46.81	-3.75	74.0	27.19	Peak	176.00	150	Vertical	Pass
6**	11370.000	36.04	-3.75	54.0	17.96	AV	176.00	150	Vertical	Pass

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

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

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

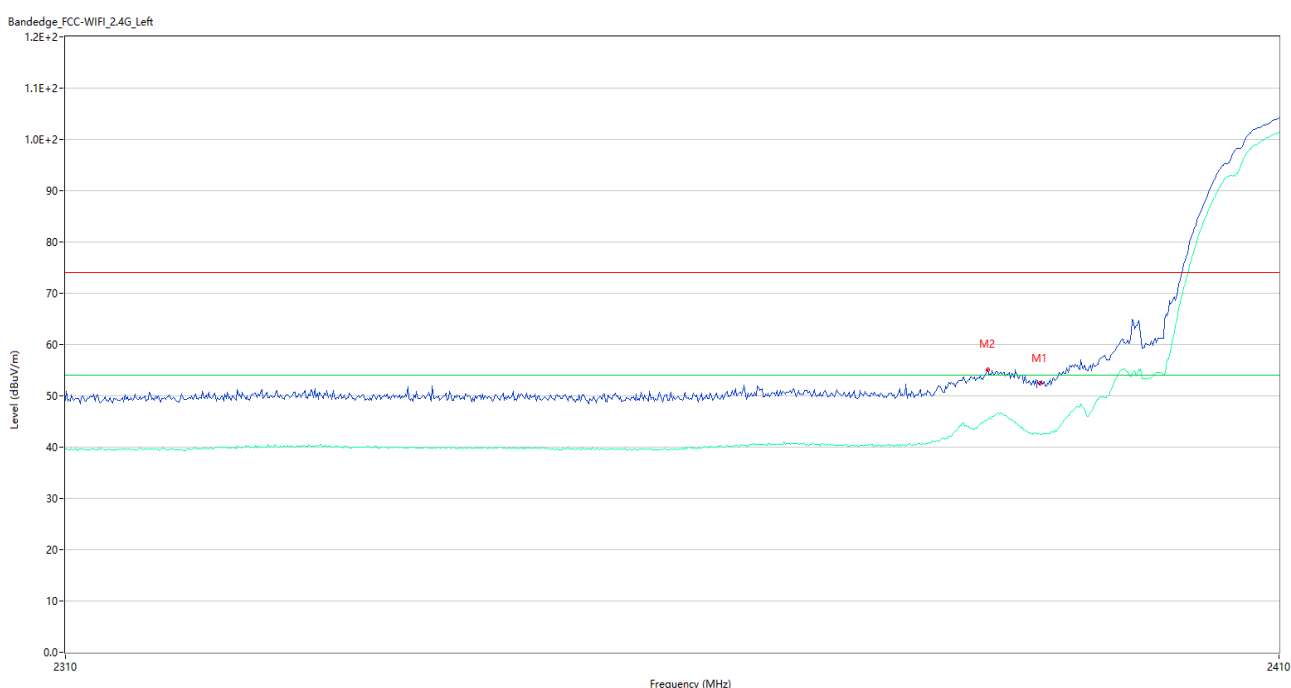
Note 3: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 5: All antenna were pre tested, but only the worst case has been reported in this report.

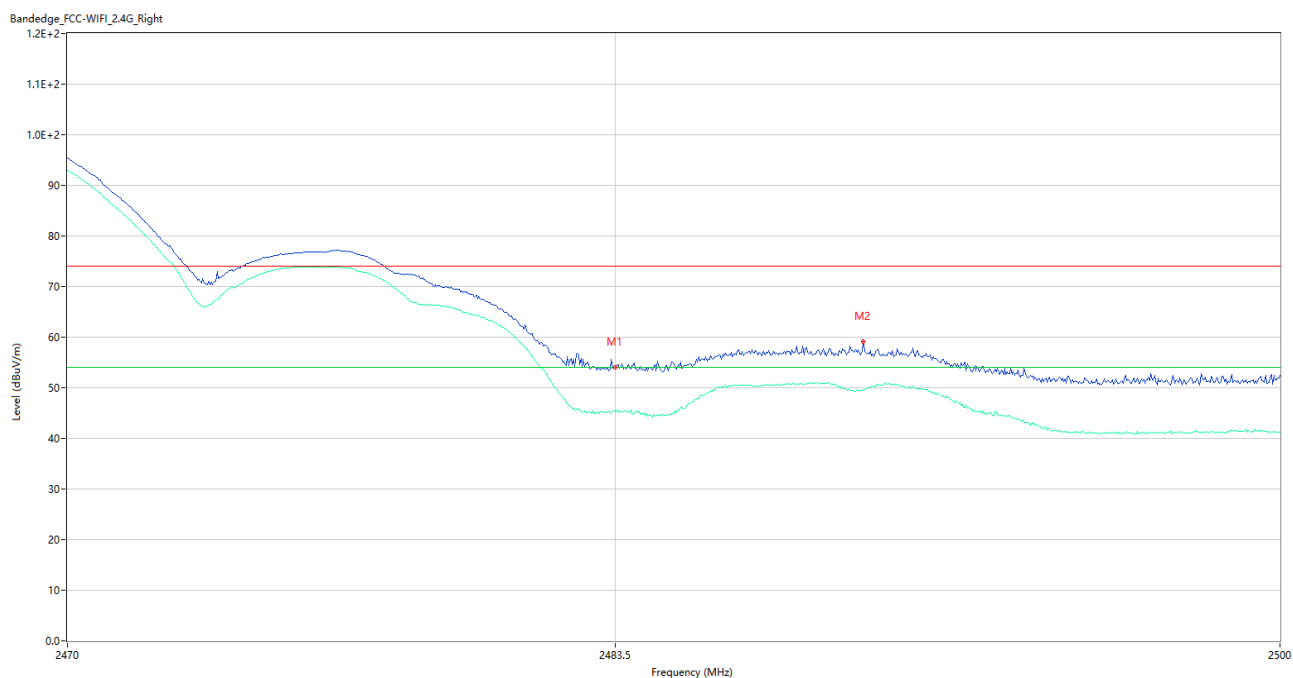
Test Data and Plots

802.11b LOW CHANNEL



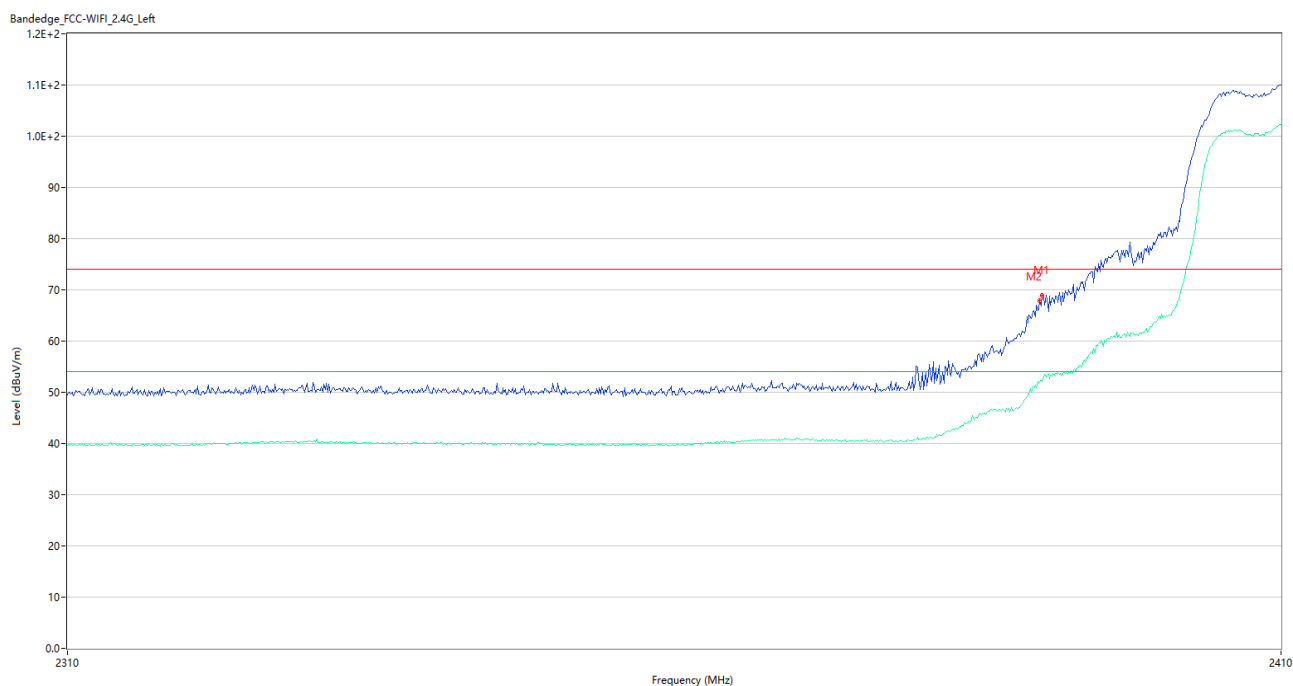
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.39	-4.87	74.0	21.61	Peak	360.00	150	Vertical	Pass
1**	2390.000	42.53	-4.87	54.0	11.47	AV	360.00	150	Vertical	Pass
2	2385.600	55.15	-4.62	74.0	18.85	Peak	360.00	150	Vertical	Pass
2**	2385.600	45.51	-4.62	54.0	8.49	AV	360.00	150	Vertical	Pass

802.11b HIGH CHANNEL



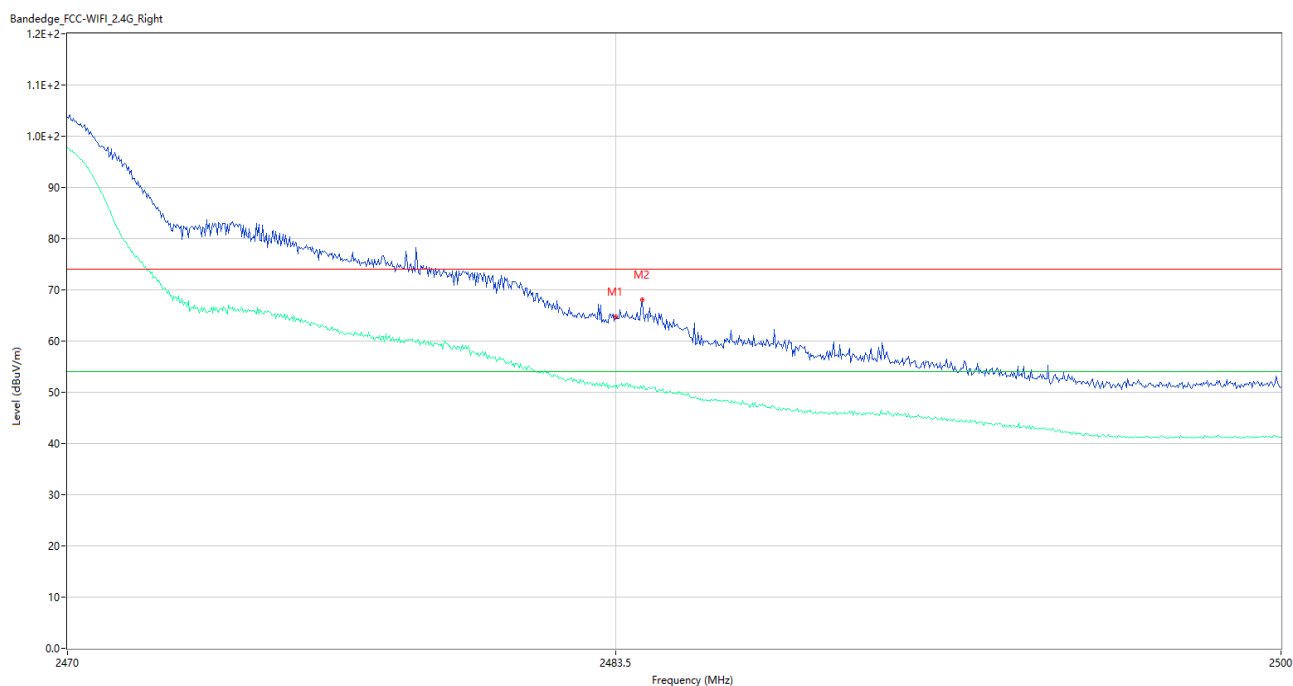
No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.00	-3.78	74.0	20.00	Peak	308.00	150	Vertical	Pass
1**	2483.500	45.61	-3.78	54.0	8.39	AV	308.00	150	Vertical	Pass
2	2489.650	59.11	-3.83	74.0	14.89	Peak	84.00	150	Vertical	Pass
2**	2489.650	49.62	-3.83	54.0	4.38	AV	84.00	150	Vertical	Pass

802.11g LOW CHANNEL



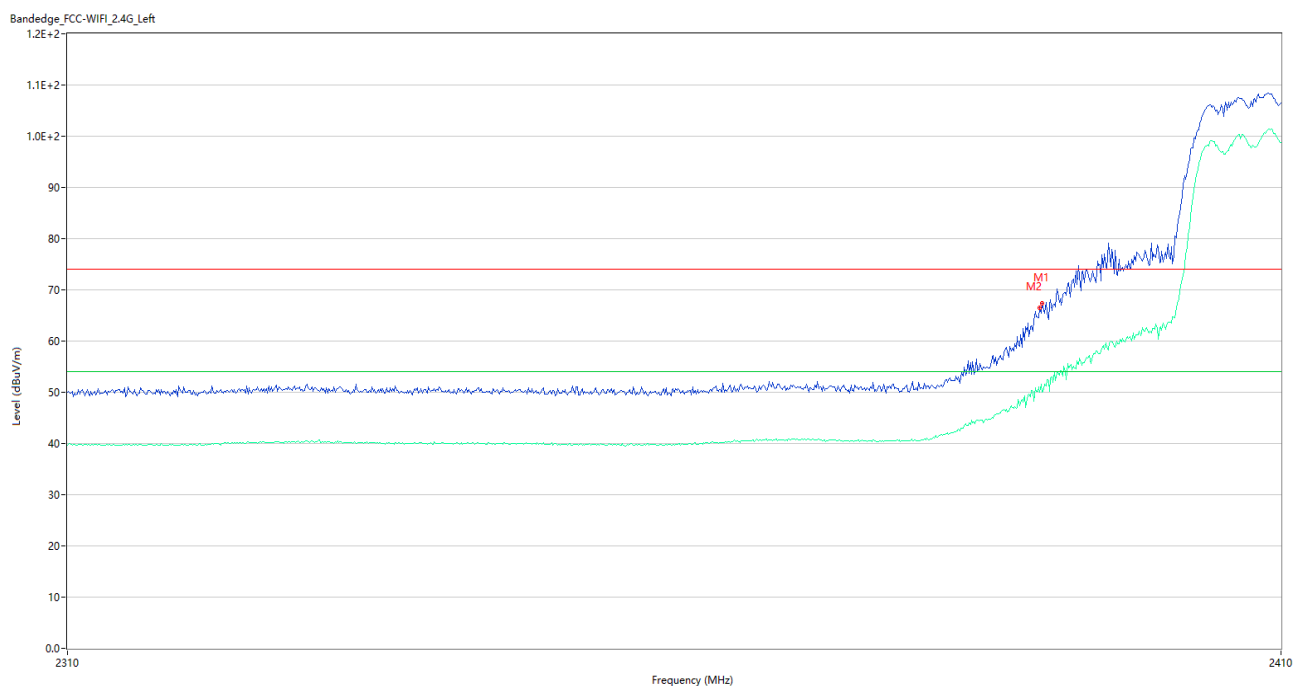
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	68.94	-4.87	74.0	5.06	Peak	327.00	150	Vertical	Pass
1**	2390.000	52.15	-4.87	54.0	1.85	AV	327.00	150	Vertical	Pass
2	2389.800	67.93	-4.86	74.0	6.07	Peak	325.00	150	Vertical	Pass
2**	2389.800	52.19	-4.86	54.0	1.81	AV	325.00	150	Vertical	Pass

802.11g HIGH CHANNEL



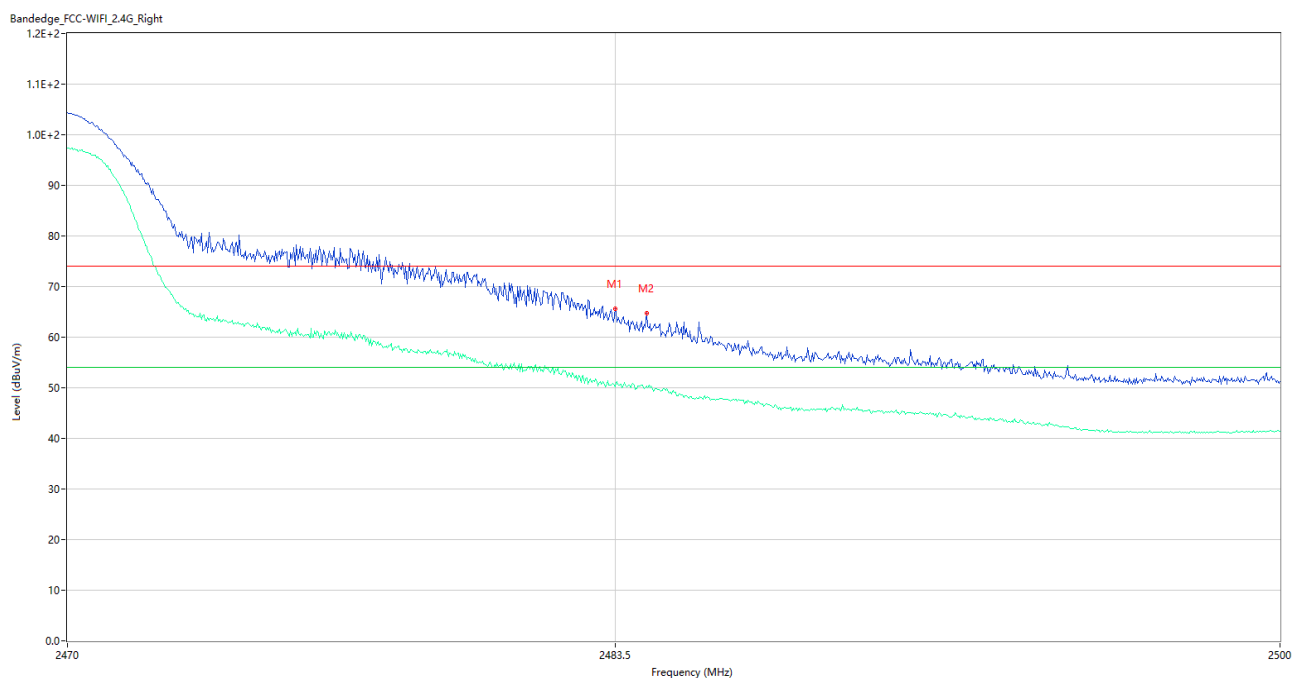
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.80	-3.78	74.0	9.20	Peak	30.00	150	Vertical	Pass
1**	2483.500	51.11	-3.78	54.0	2.89	AV	30.00	150	Vertical	Pass
2	2484.160	68.07	-3.78	74.0	5.93	Peak	0.00	150	Vertical	Pass
2**	2484.160	50.71	-3.78	54.0	3.29	AV	0.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



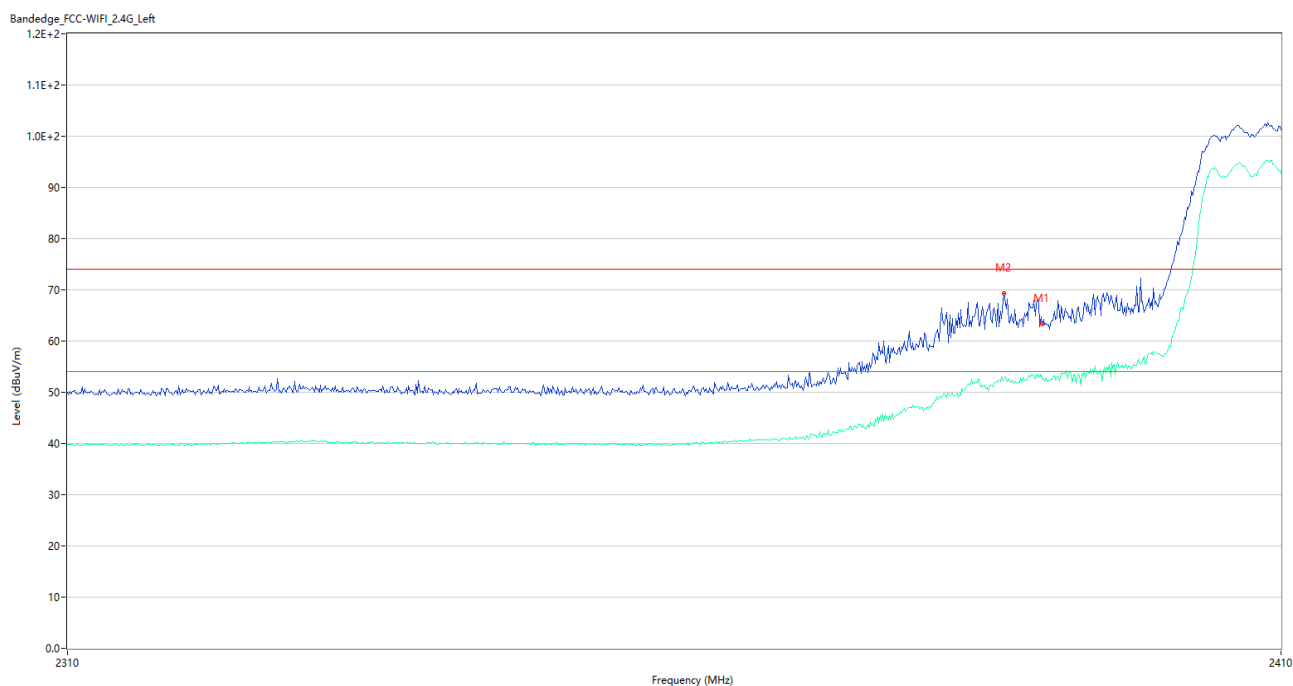
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	67.45	-4.87	74.0	6.55	Peak	78.01	150	Vertical	Pass
1**	2390.000	50.07	-4.87	54.0	3.93	AV	78.01	150	Vertical	Pass
2	2389.800	66.42	-4.86	74.0	7.58	Peak	75.00	150	Vertical	Pass
2**	2389.800	50.02	-4.86	54.0	3.98	AV	75.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



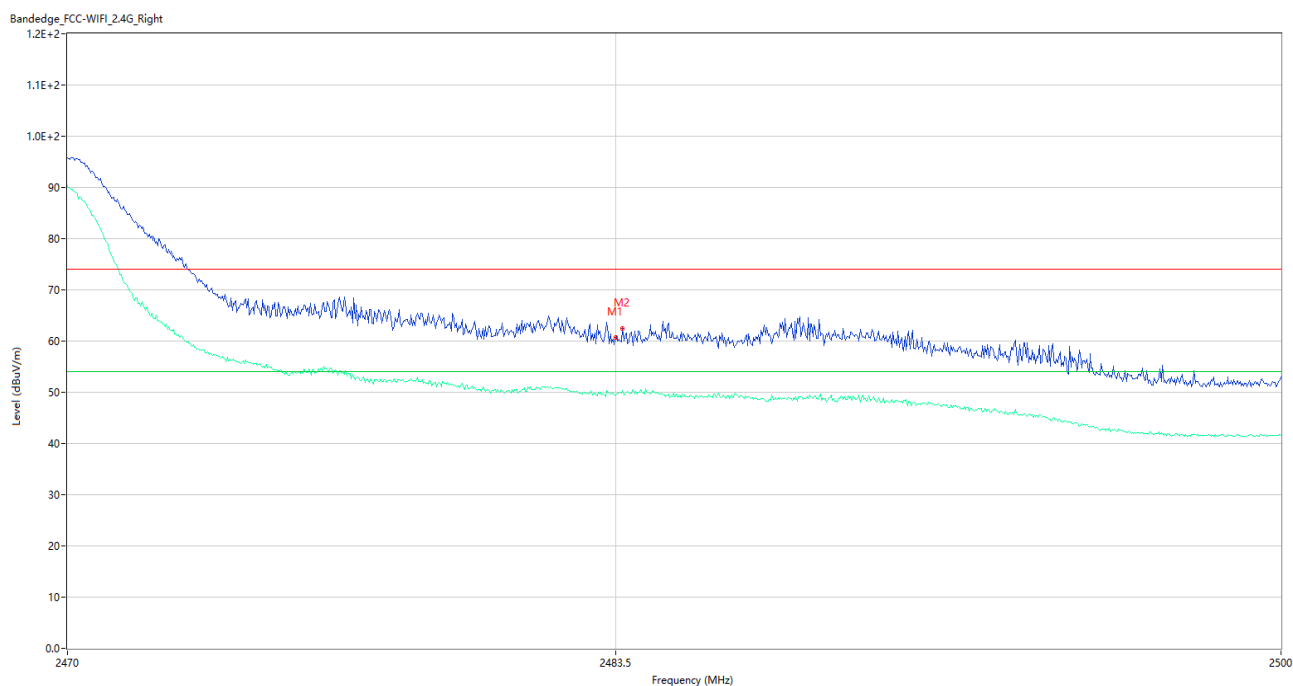
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	65.54	-3.78	74.0	8.46	Peak	76.00	150	Vertical	Pass
1**	2483.500	50.22	-3.78	54.0	3.78	AV	76.00	150	Vertical	Pass
2	2484.280	64.67	-3.78	74.0	9.33	Peak	70.00	150	Vertical	Pass
2**	2484.280	50.35	-3.78	54.0	3.65	AV	70.00	150	Vertical	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	63.37	-4.87	74.0	10.63	Peak	74.99	150	Vertical	Pass
1**	2390.000	52.45	-4.87	54.0	1.55	AV	74.99	150	Vertical	Pass
2	2386.800	69.33	-4.69	74.0	4.67	Peak	72.00	150	Vertical	Pass
2**	2386.800	52.69	-4.69	54.0	1.31	AV	72.00	150	Vertical	Pass

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	60.63	-3.78	74.0	13.37	Peak	71.00	150	Vertical	Pass
1**	2483.500	49.46	-3.78	54.0	4.54	AV	71.00	150	Vertical	Pass
2	2483.680	62.39	-3.78	74.0	11.61	Peak	65.00	150	Vertical	Pass
2**	2483.680	50.42	-3.78	54.0	3.58	AV	65.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

Note: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

Main Antenna:

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.89	8
Middle	-7.58	8
High	-7.82	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.84	8
Middle	-13.06	8
High	-13.14	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.00	8
Middle	-12.81	8
High	-12.97	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.49	8
Middle	-16.70	8
High	-18.10	8

Aux. Antenna:

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.09	8
Middle	-6.97	8
High	-5.73	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.62	8
Middle	-13.03	8
High	-12.46	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.85	8
Middle	-11.79	8
High	-13.24	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.11	8
Middle	-14.68	8
High	-16.72	8

Test Plots

Main Antenna:

802.11b LOW CHANNEL



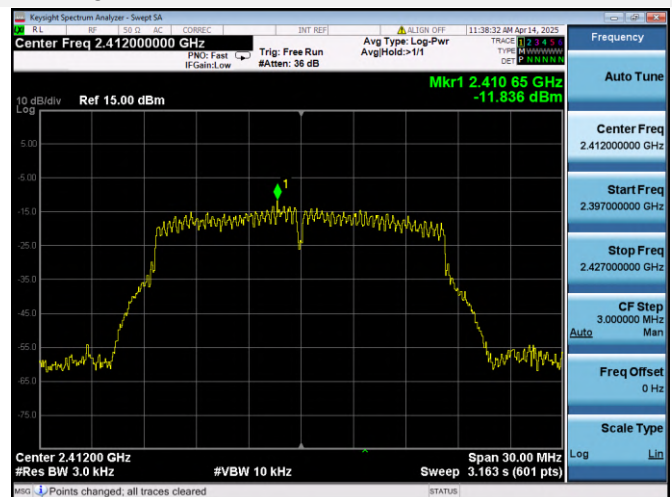
802.11b MIDDLE CHANNEL



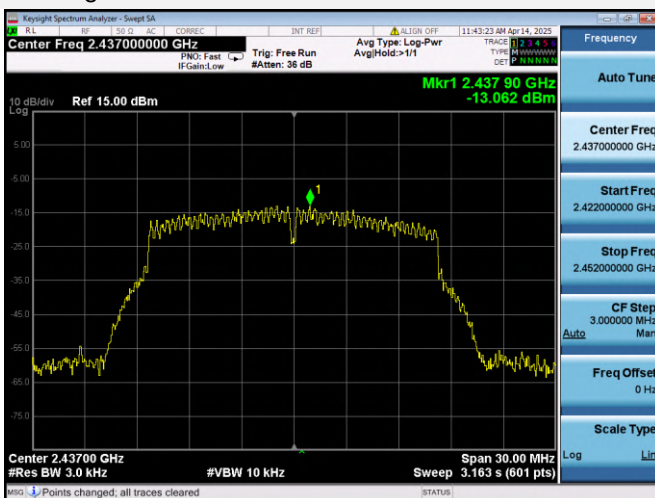
802.11b HIGH CHANNEL



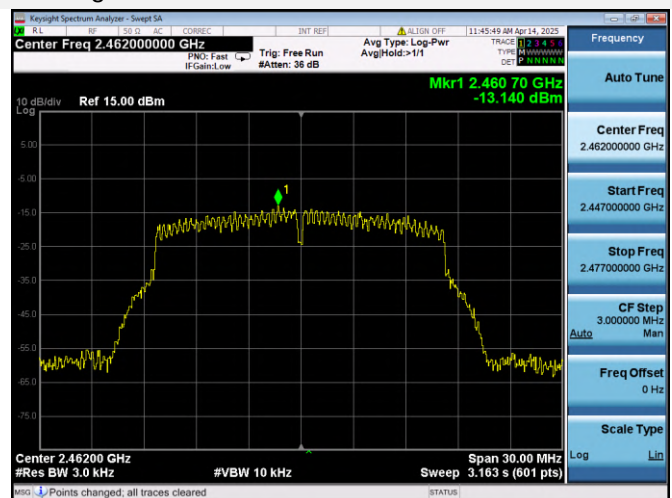
802.11g LOW CHANNEL



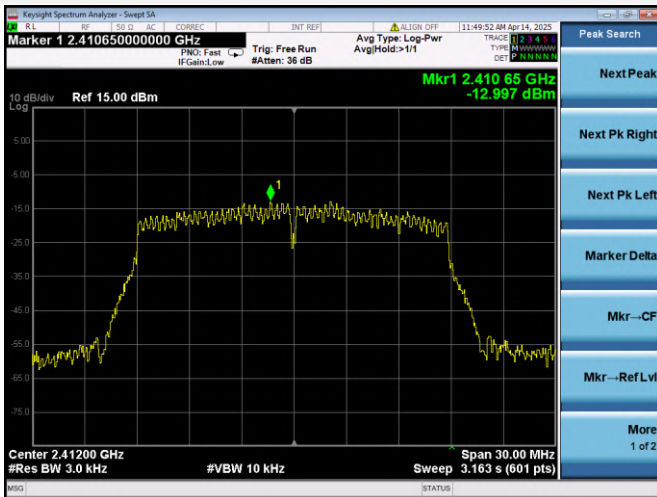
802.11g MIDDLE CHANNEL



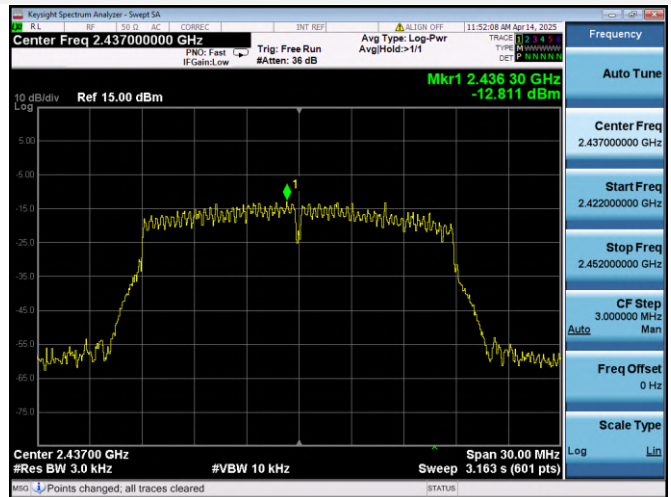
802.11g HIGH CHANNEL



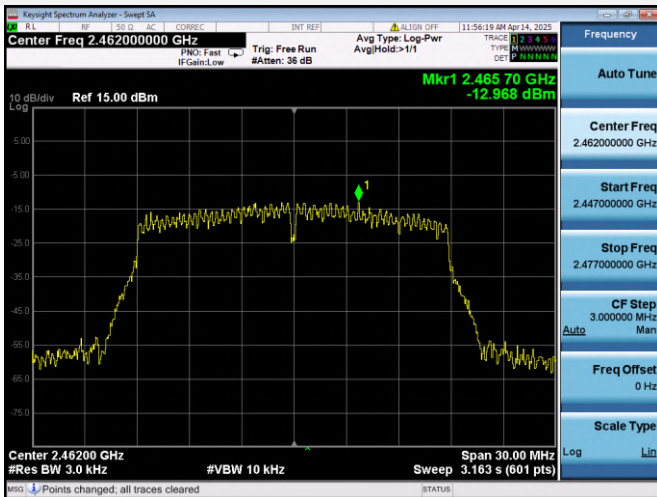
802.11n-20 MHz LOW CHANNEL



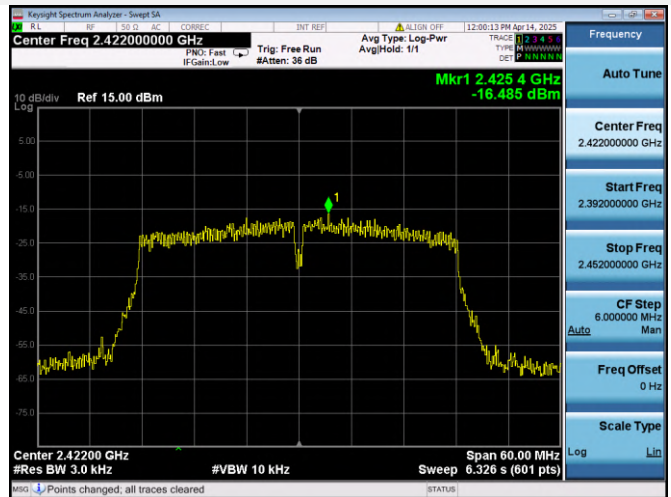
802.11n-20 MHz MIDDLE CHANNEL



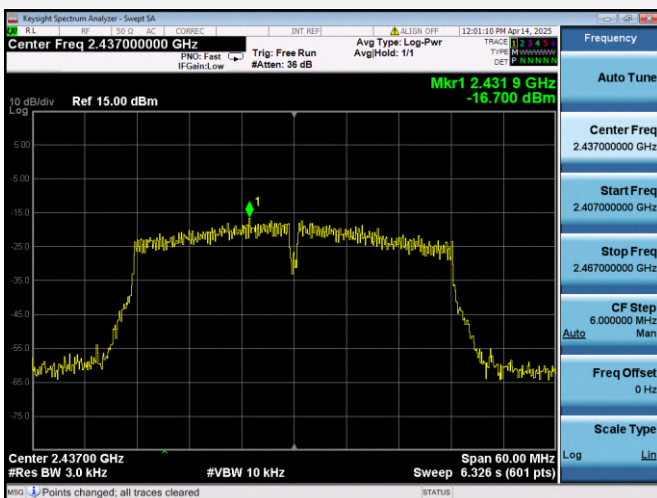
802.11n-20 MHz HIGH CHANNEL



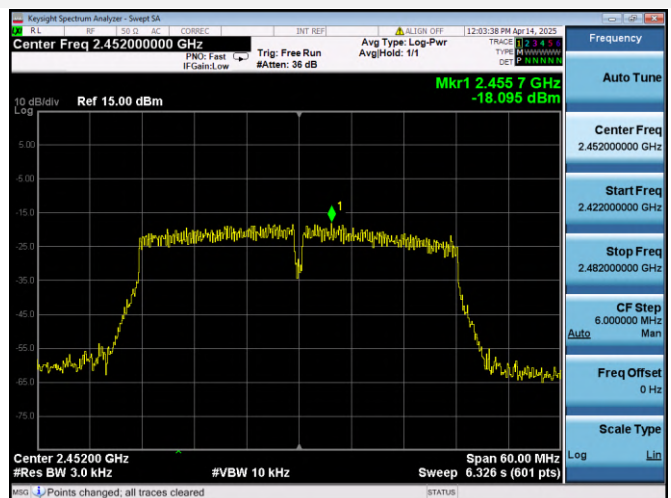
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



Aux. Antenna:

802.11b LOW CHANNEL



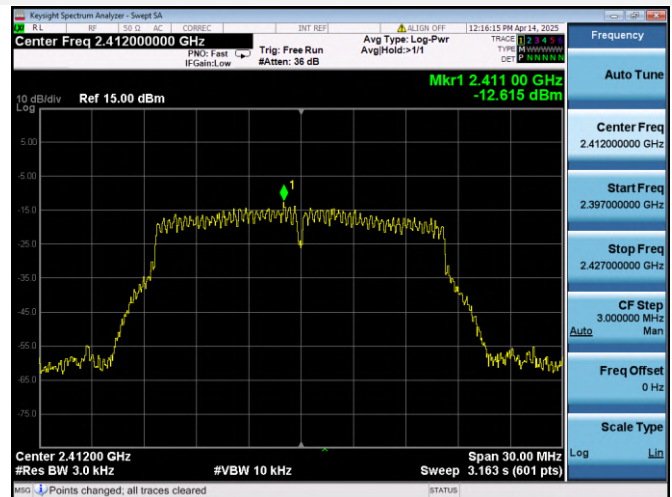
802.11b MIDDLE CHANNEL



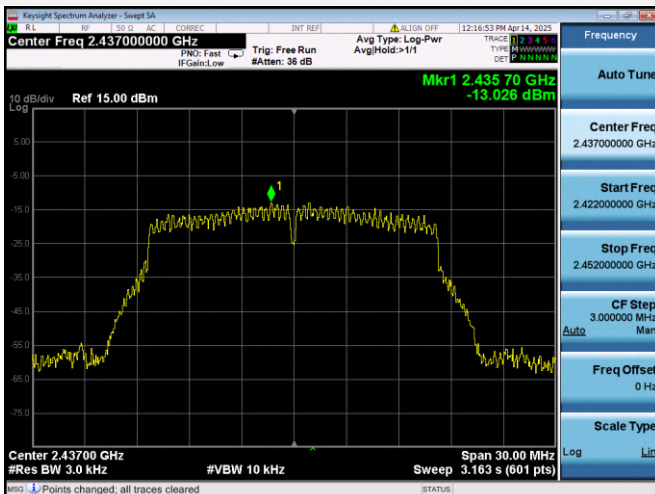
802.11b HIGH CHANNEL



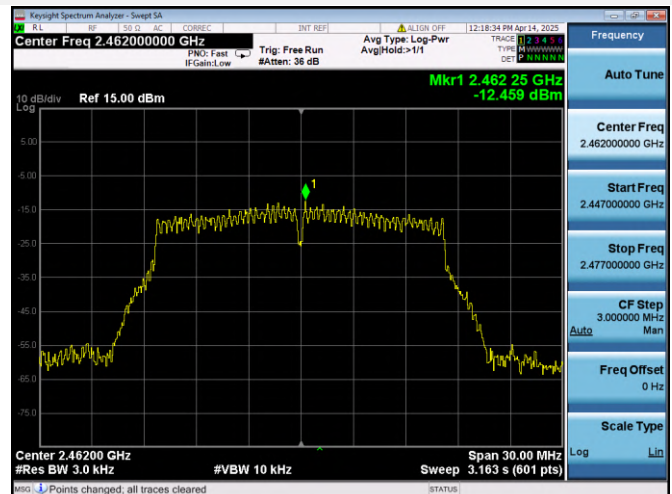
802.11g LOW CHANNEL



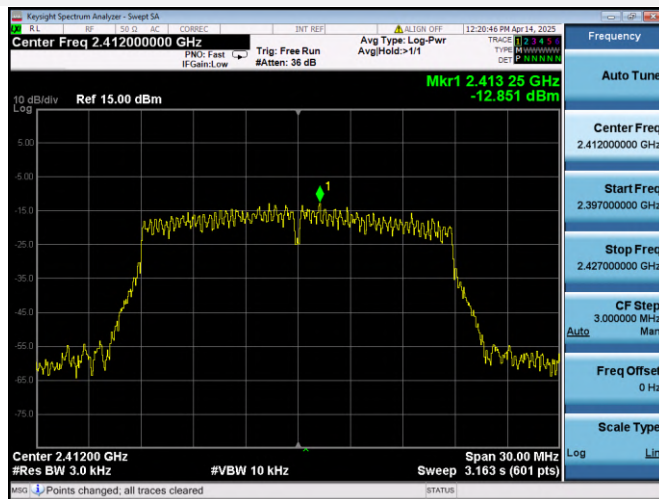
802.11g MIDDLE CHANNEL



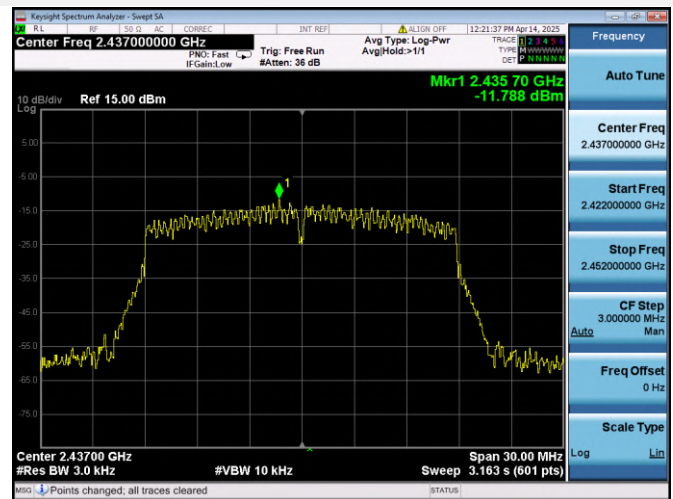
802.11g HIGH CHANNEL



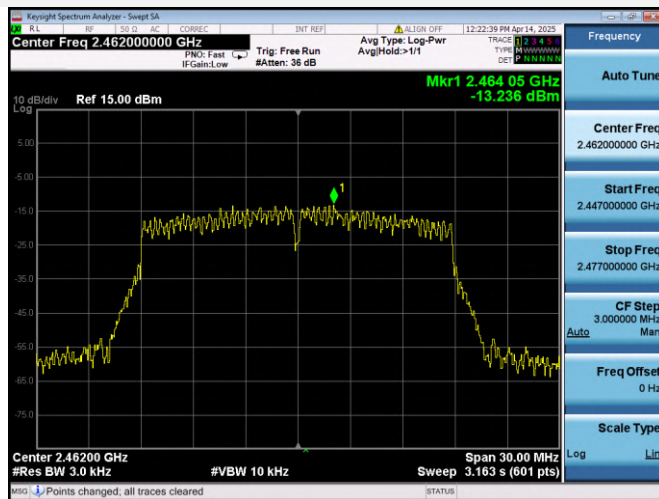
802.11n-20 MHz LOW CHANNEL



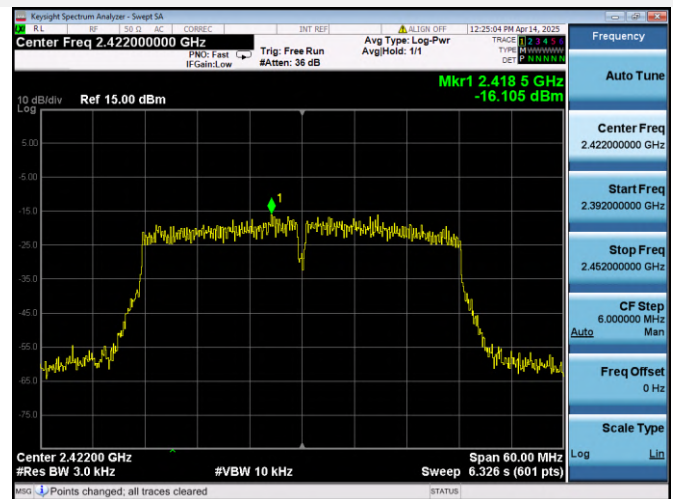
802.11n-20 MHz MIDDLE CHANNEL



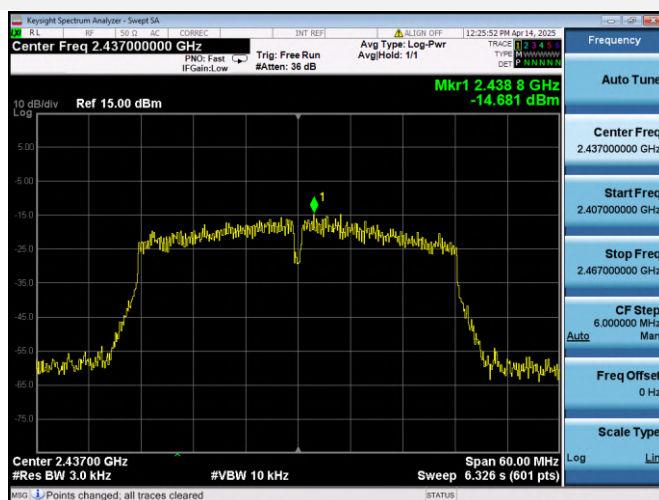
802.11n-20 MHz HIGH CHANNEL



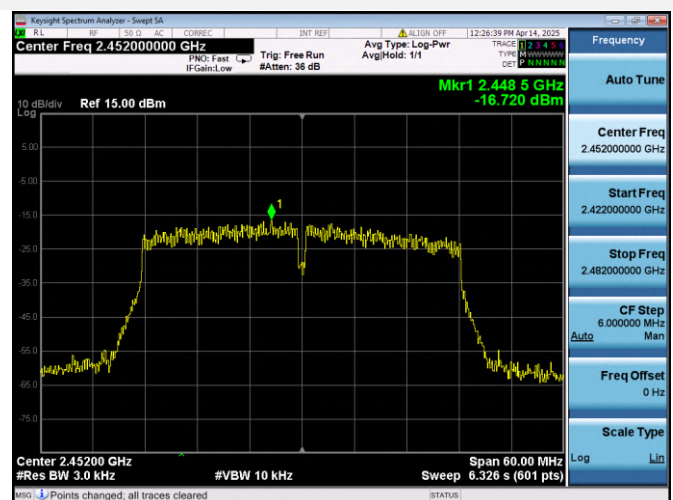
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2530225-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2530225-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2530225-AI.PDF”.

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1. The Testing Center 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. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--