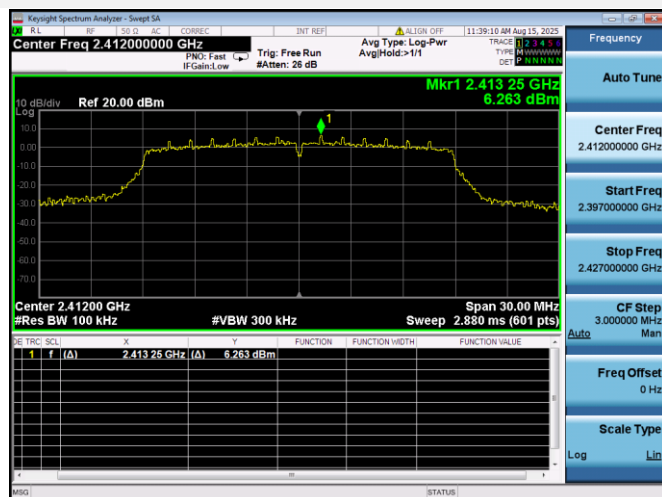
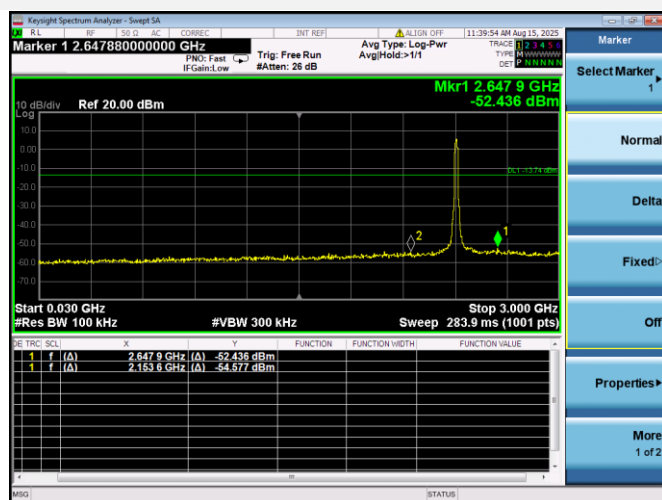
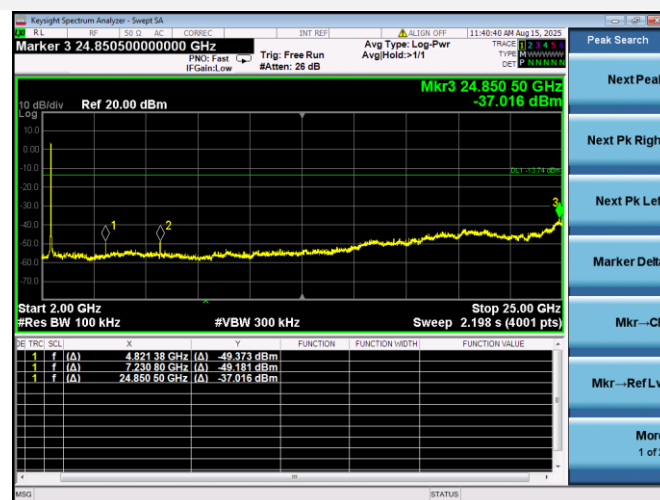
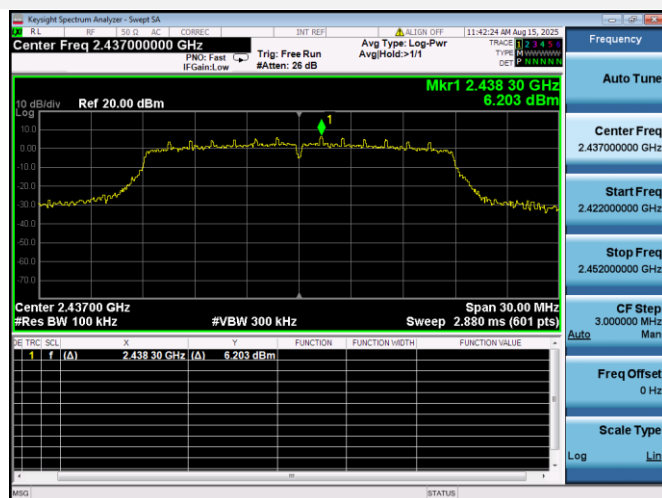


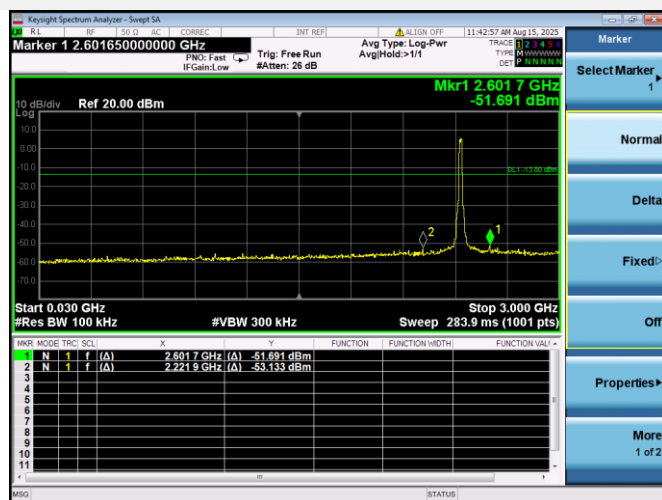
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

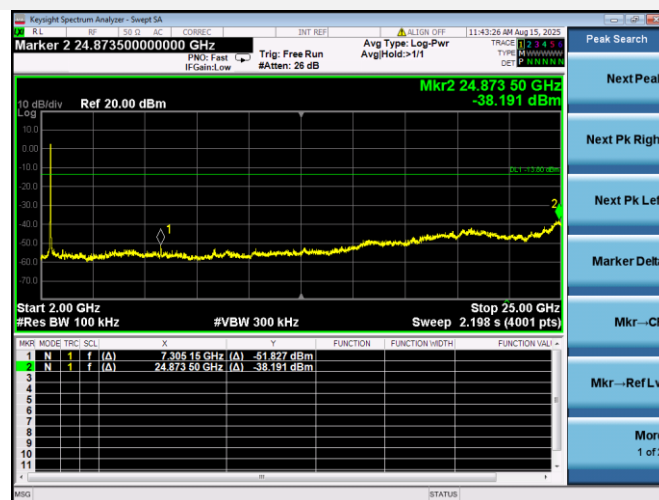
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



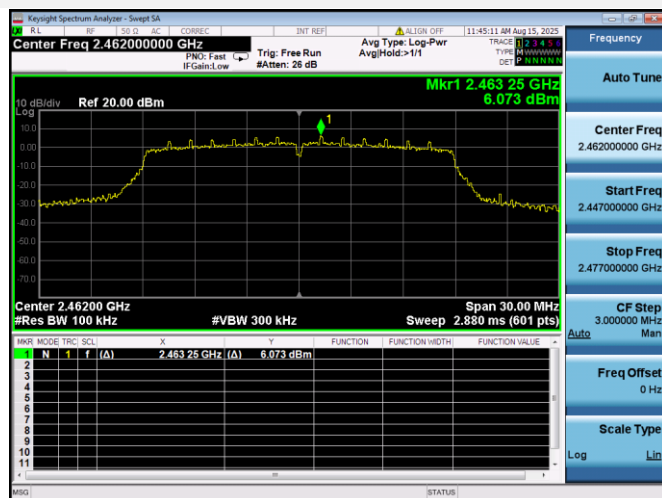
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



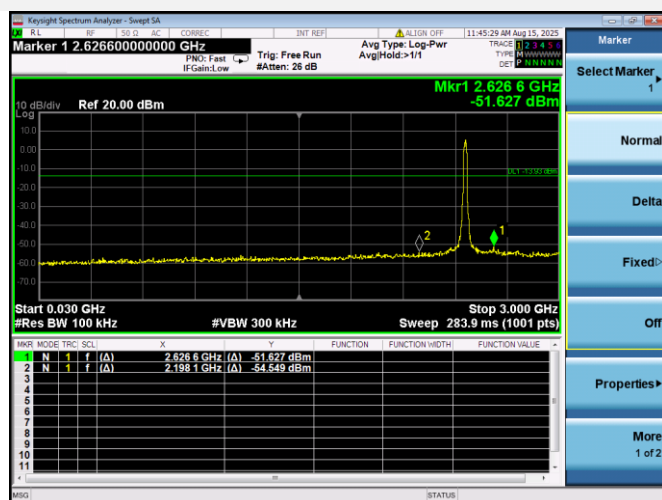
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



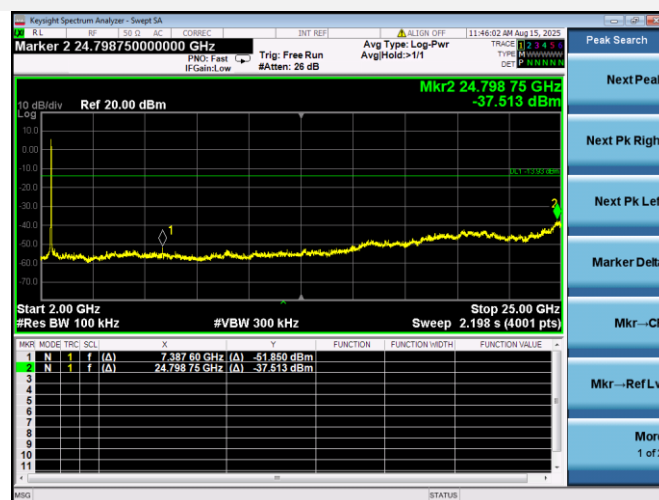
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



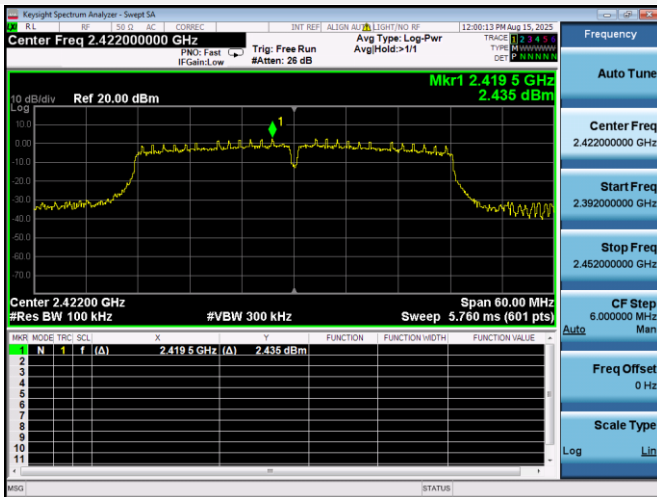
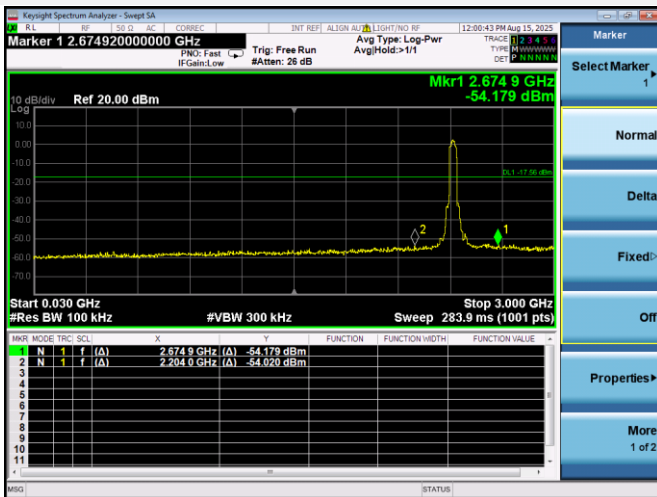
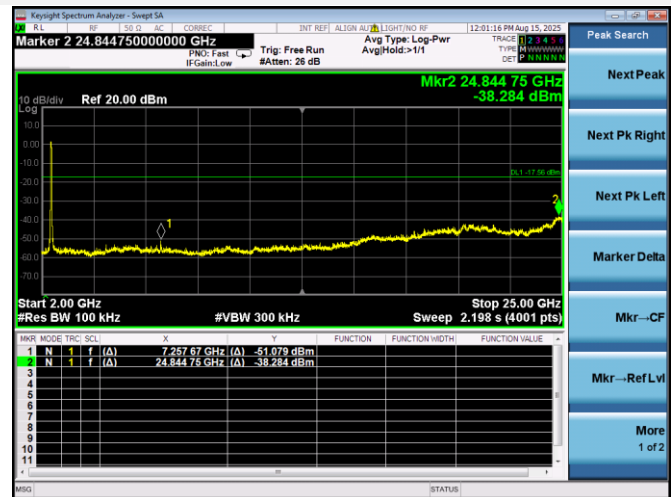
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



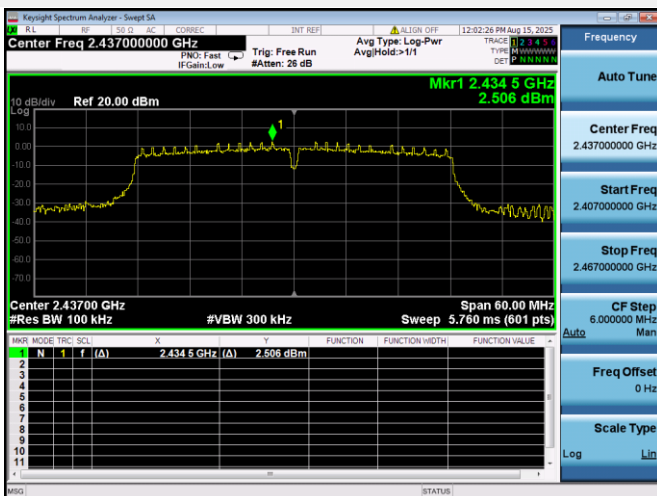
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



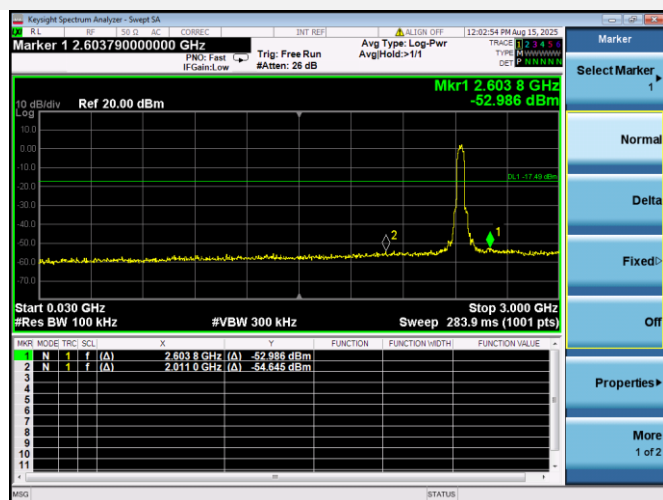
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

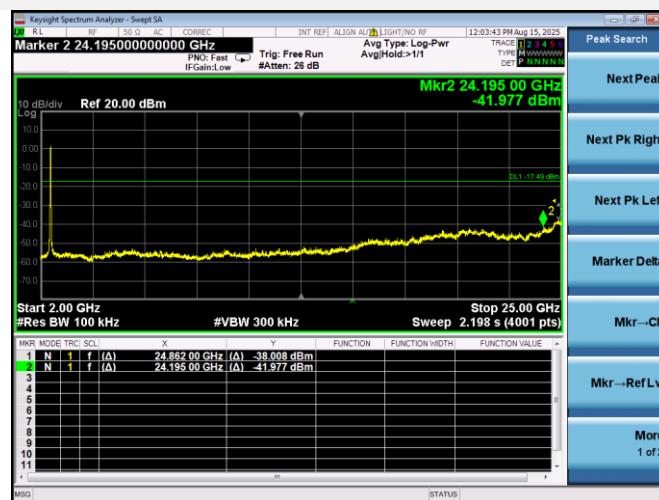
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



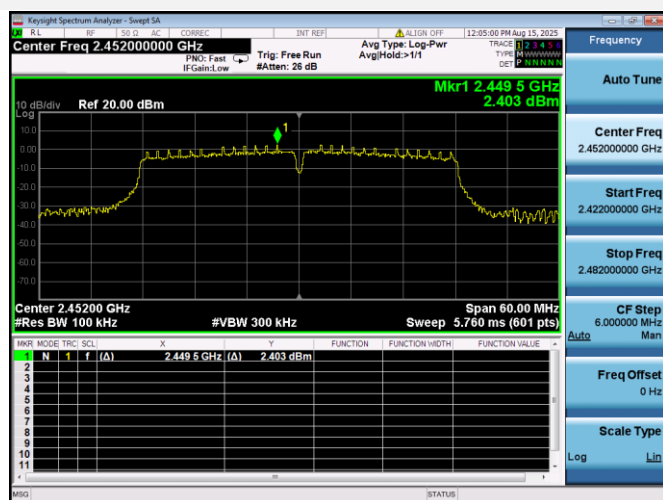
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



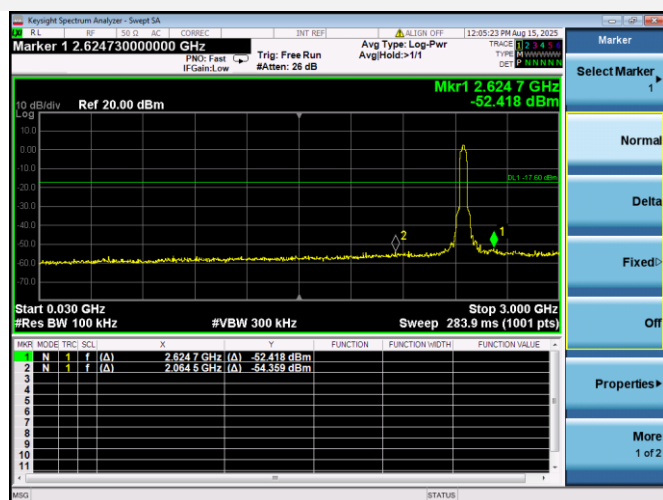
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



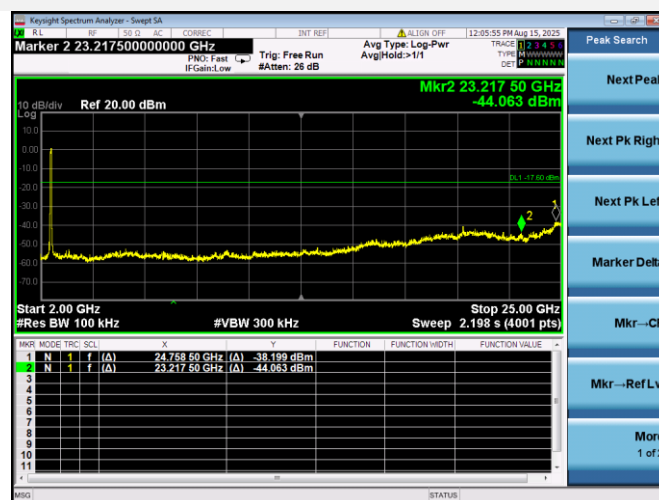
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-33.07	10.42	-9.58	Pass
High	-47.43	10.18	-9.82	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.36	6.29	-13.71	Pass
High	-40.48	6.05	-13.95	Pass

802.11n-20 MHz Mode:

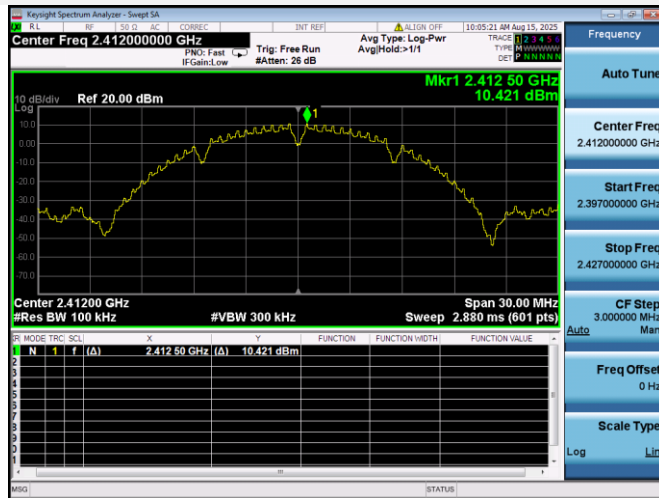
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.59	6.26	-13.74	Pass
High	-39.14	6.07	-13.93	Pass

802.11n-40 MHz Mode:

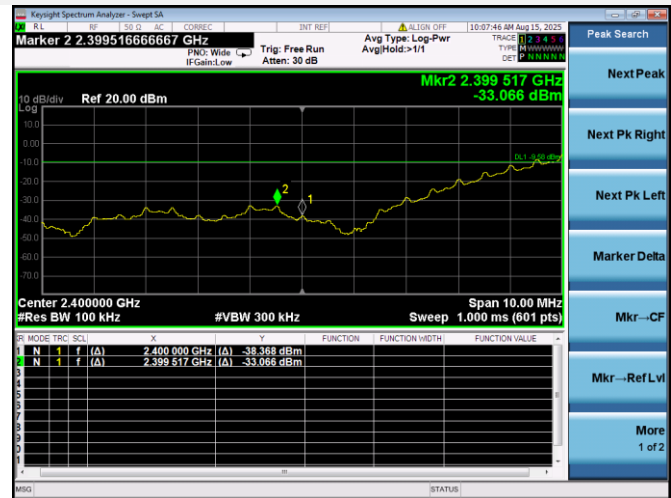
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-29.30	2.44	-17.56	Pass
High	-33.13	2.40	-17.60	Pass

Test Plots

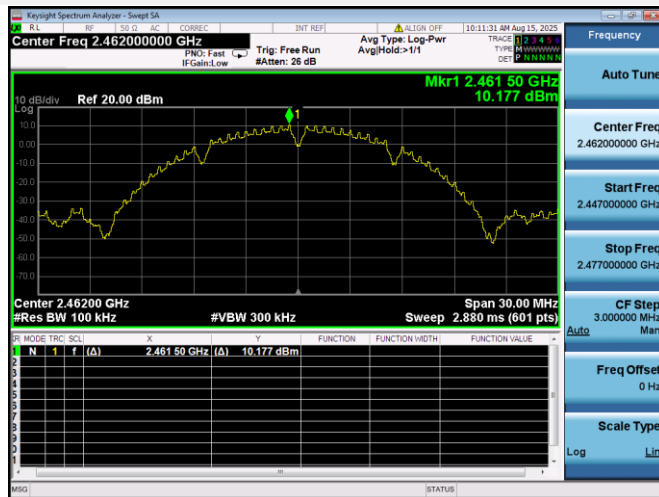
802.11b LOW CHANNEL, CARRIER LEVEL



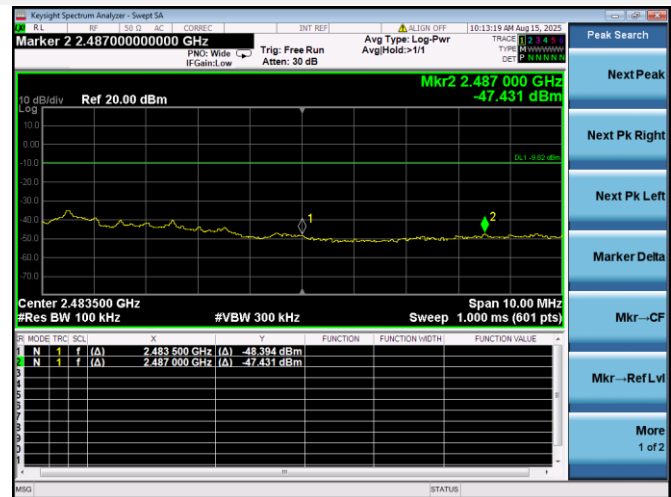
802.11b LOW CHANNEL, BAND EDGE



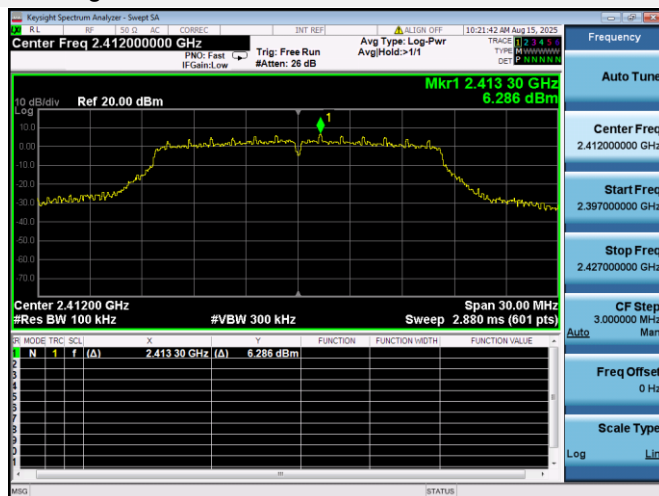
802.11b HIGH CHANNEL, CARRIER LEVEL



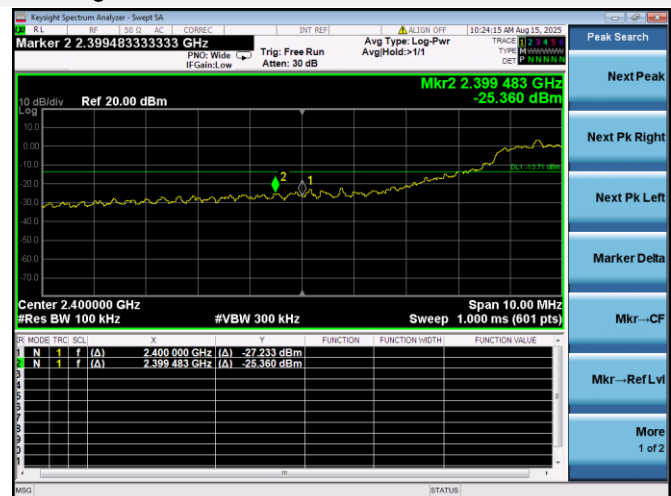
802.11b HIGH CHANNEL, BAND EDGE



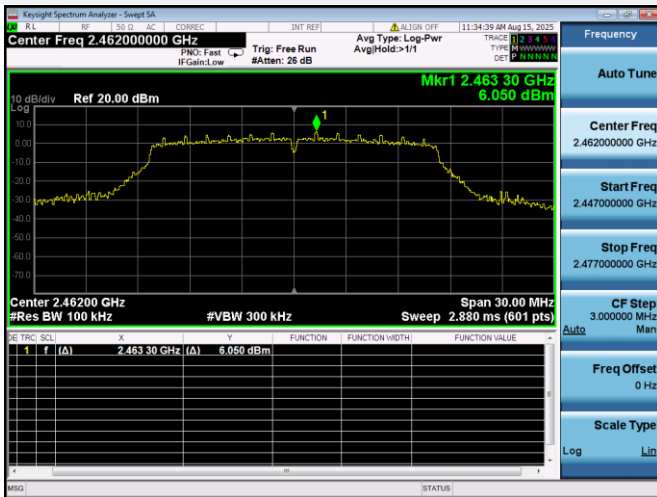
802.11g LOW CHANNEL, CARRIER LEVEL



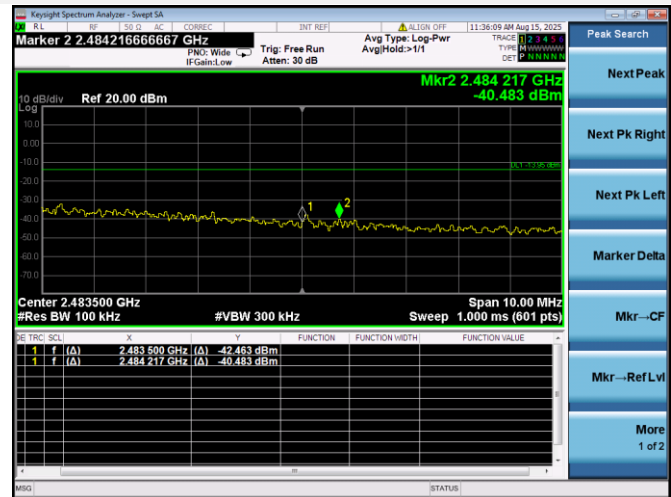
802.11g LOW CHANNEL, BAND EDGE



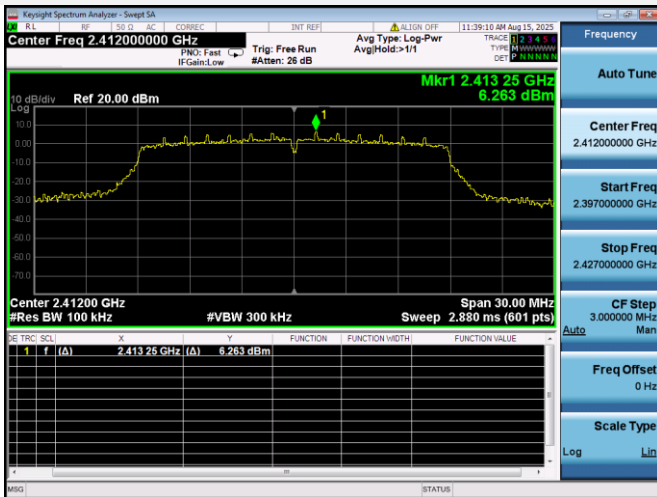
802.11g HIGH CHANNEL, CARRIER LEVEL



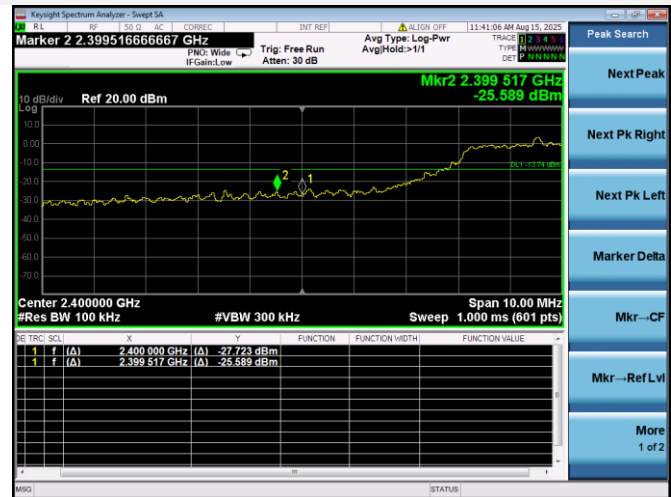
802.11g HIGH CHANNEL, BAND EDGE



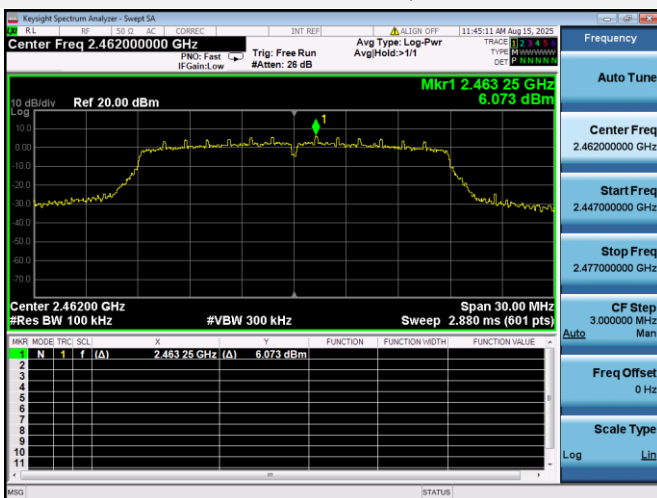
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



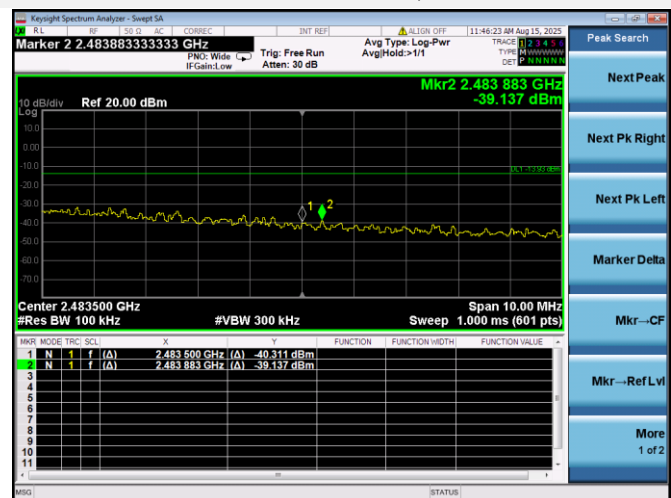
802.11n-20 MHz LOW CHANNEL, BAND EDGE



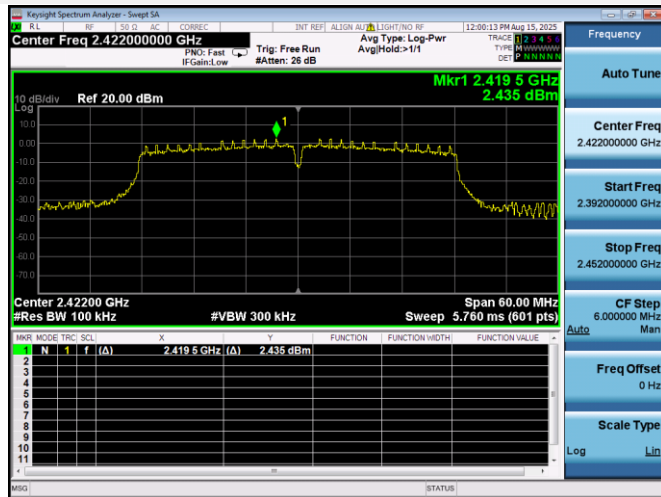
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



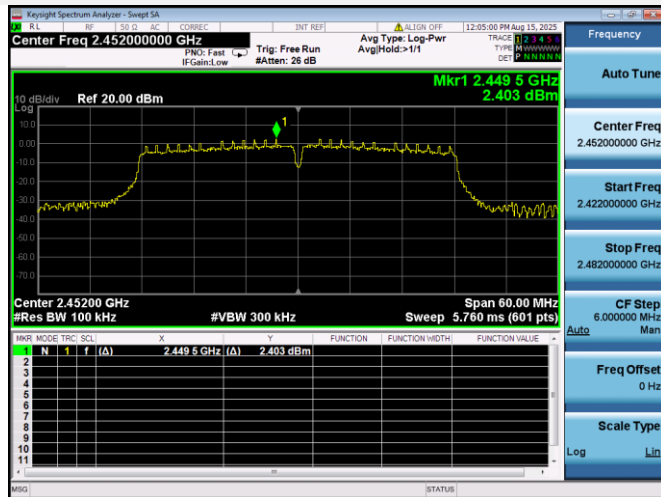
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



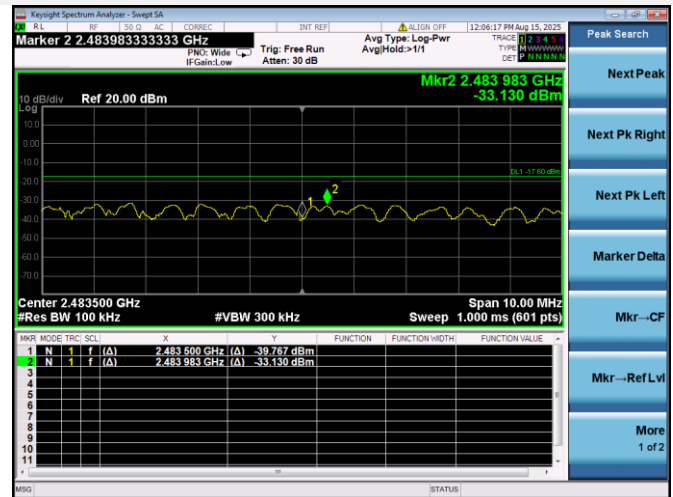
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

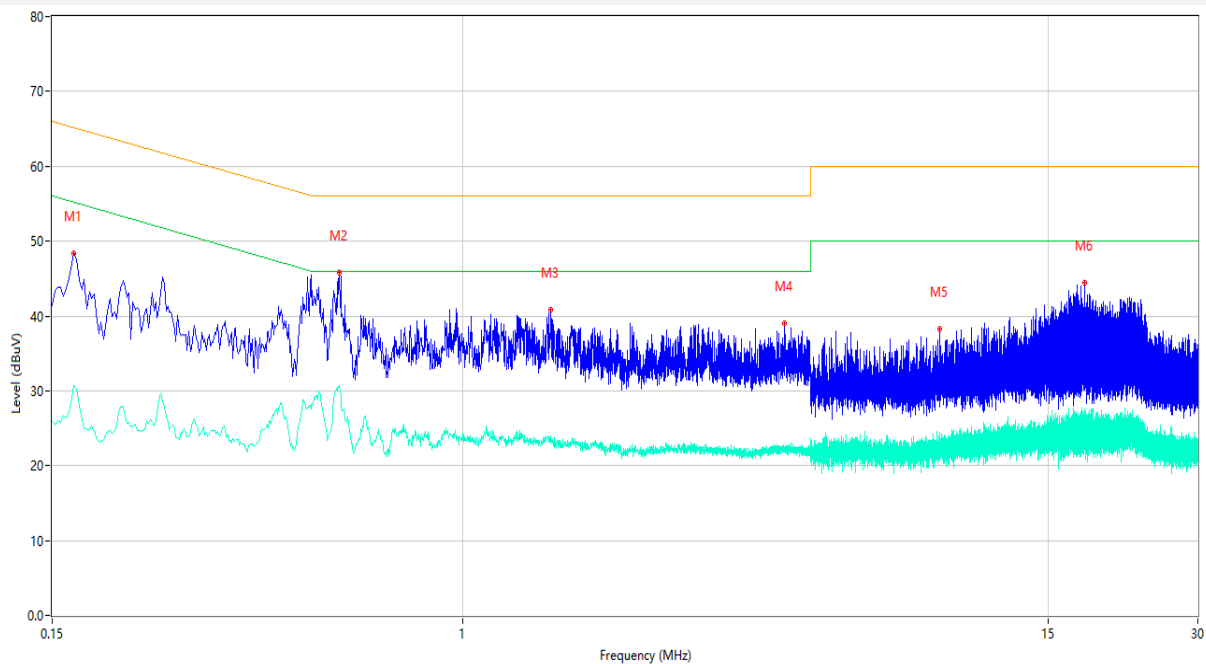
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

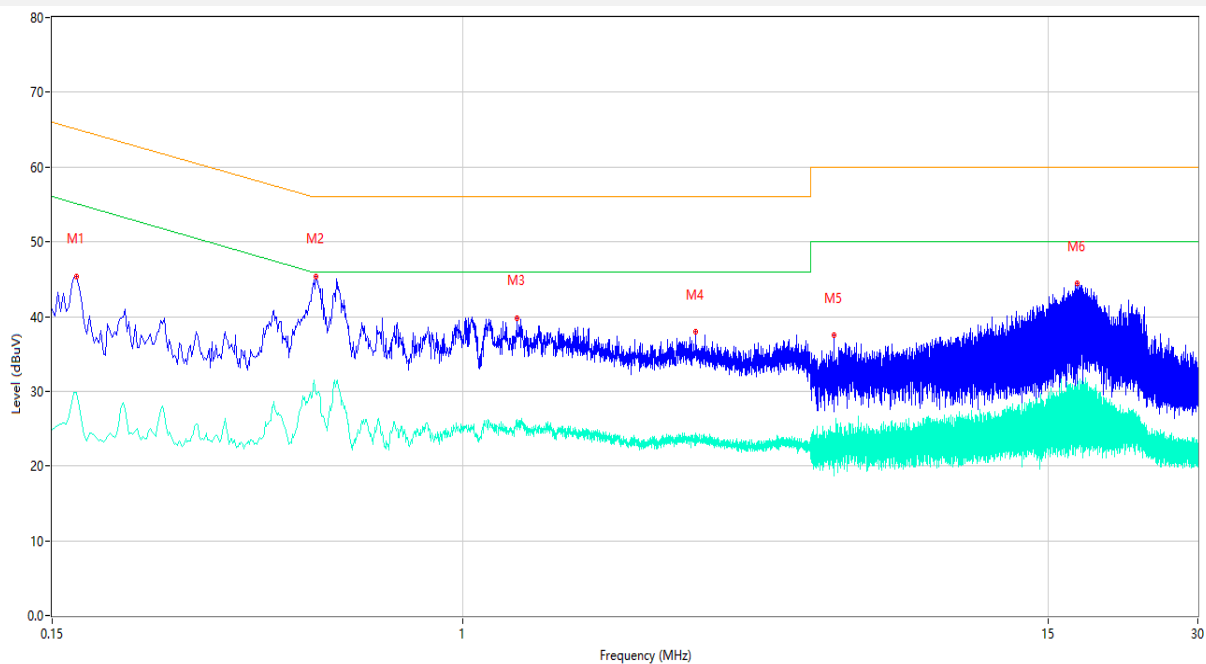
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.166	48.29	10.07	65.16	16.87	Peak	L	Pass
1**	0.166	30.72	10.07	55.16	24.44	AV	L	Pass
2	0.566	45.73	10.18	56.00	10.27	Peak	L	Pass
2**	0.566	30.70	10.18	46.00	15.30	AV	L	Pass
3	1.506	40.80	10.27	56.00	15.20	Peak	L	Pass
3**	1.506	23.66	10.27	46.00	22.34	AV	L	Pass
4	4.440	39.01	10.43	56.00	16.99	Peak	L	Pass
4**	4.440	22.23	10.43	46.00	23.77	AV	L	Pass
5	9.080	38.31	10.87	60.00	21.69	Peak	L	Pass
5**	9.080	23.50	10.87	50.00	26.50	AV	L	Pass
6	17.750	44.38	11.19	60.00	15.62	Peak	L	Pass
6**	17.750	27.53	11.19	50.00	22.47	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.168	45.40	10.15	65.06	19.66	Peak	N	Pass
1**	0.168	29.80	10.15	55.06	25.26	AV	N	Pass
2	0.508	45.42	10.17	56.00	10.58	Peak	N	Pass
2**	0.508	29.66	10.17	46.00	16.34	AV	N	Pass
3	1.288	39.84	10.25	56.00	16.16	Peak	N	Pass
3**	1.288	25.58	10.25	46.00	20.42	AV	N	Pass
4	2.946	37.94	10.30	56.00	18.06	Peak	N	Pass
4**	2.946	24.47	10.30	46.00	21.53	AV	N	Pass
5	5.576	37.47	10.49	60.00	22.53	Peak	N	Pass
5**	5.576	23.92	10.49	50.00	26.08	AV	N	Pass
6	17.196	44.44	11.24	60.00	15.56	Peak	N	Pass
6**	17.196	30.70	11.24	50.00	19.30	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 C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

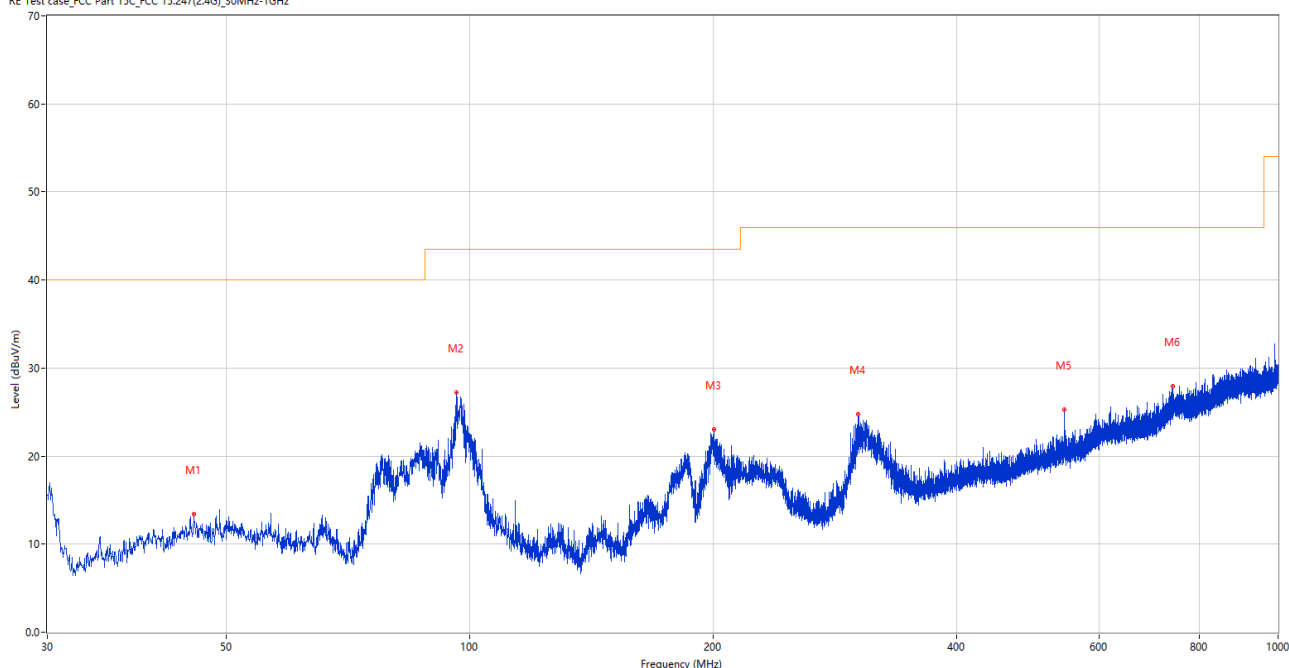
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT 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

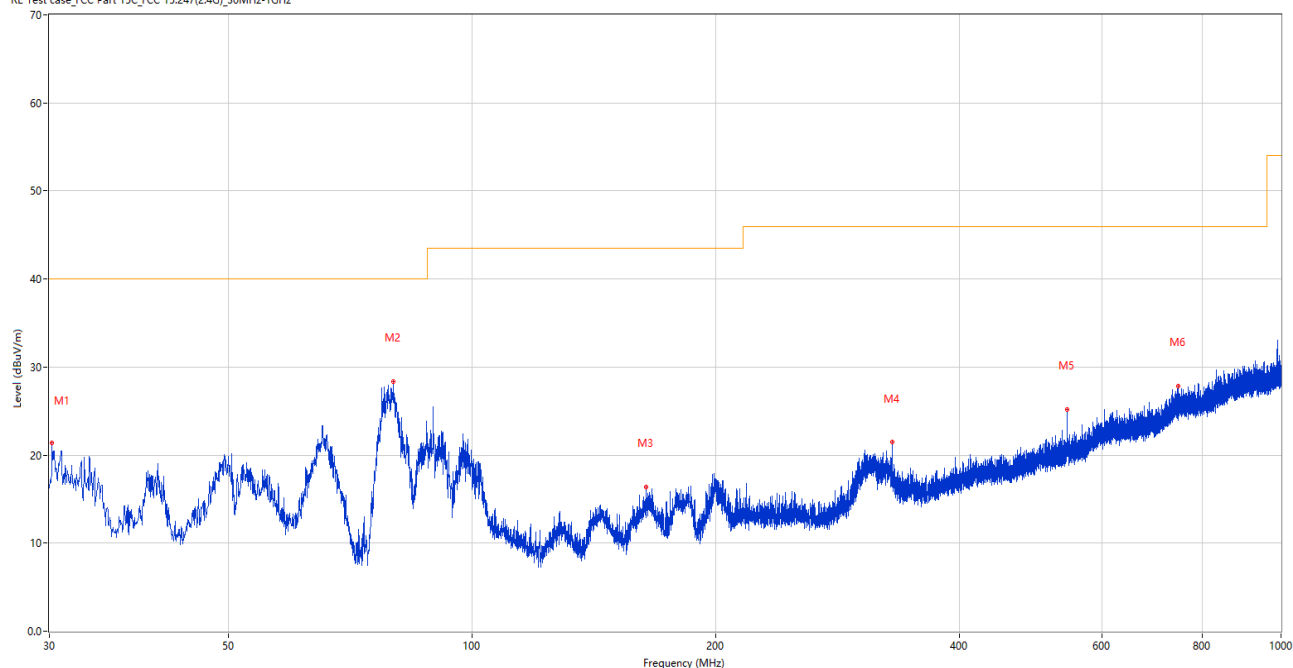
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.569	13.43	-24.67	40.0	26.57	Peak	150.00	100	Horizontal	Pass
2	96.299	27.23	-26.47	43.5	16.27	Peak	351.00	200	Horizontal	Pass
3	200.283	23.07	-25.80	43.5	20.43	Peak	228.00	100	Horizontal	Pass
4	302.376	24.74	-23.24	46.0	21.26	Peak	71.00	100	Horizontal	Pass
5	544.537	25.27	-16.98	46.0	20.73	Peak	119.00	200	Horizontal	Pass
6	741.252	27.93	-12.03	46.0	18.07	Peak	326.00	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	30.242	21.34	-28.93	40.0	18.66	Peak	43.00	100	Vertical	Pass
2	79.858	28.38	-30.97	40.0	11.62	Peak	37.00	100	Vertical	Pass
3	164.054	16.35	-28.51	43.5	27.15	Peak	237.00	200	Vertical	Pass
4	330.651	21.44	-22.38	46.0	24.56	Peak	116.00	100	Vertical	Pass
5	544.439	25.16	-16.99	46.0	20.84	Peak	205.00	200	Vertical	Pass
6	745.957	27.80	-11.98	46.0	18.20	Peak	348.00	100	Vertical	Pass

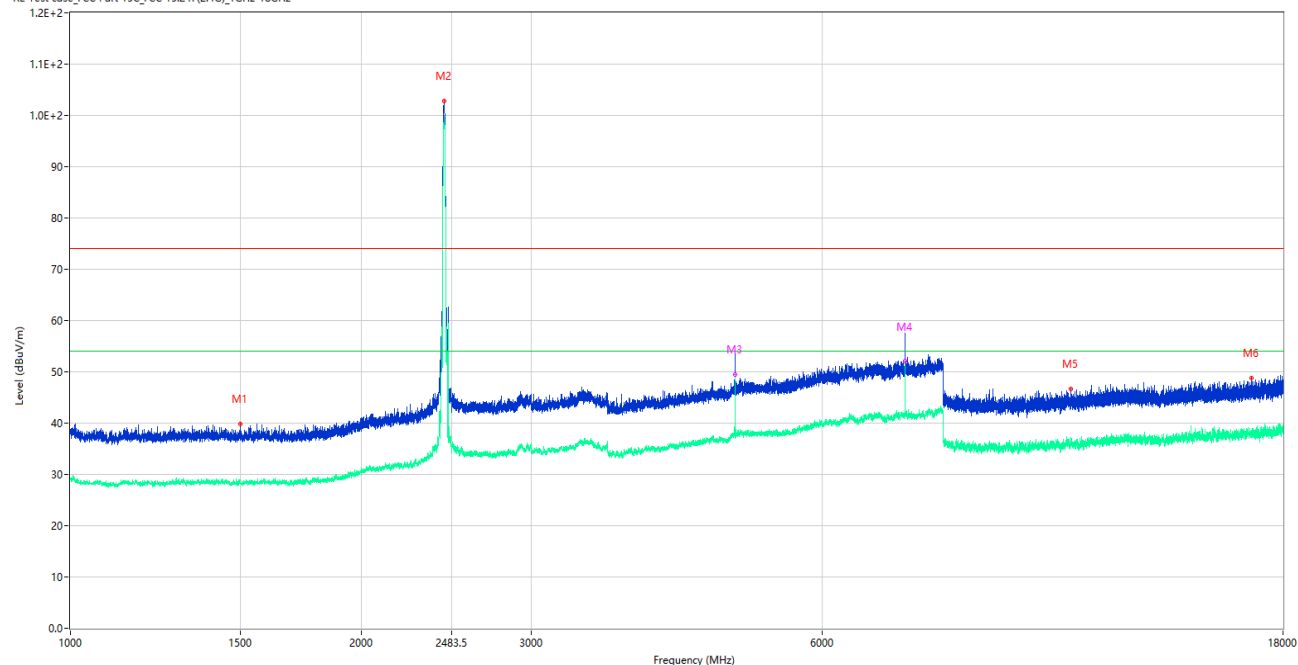
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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

Note 3: All 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

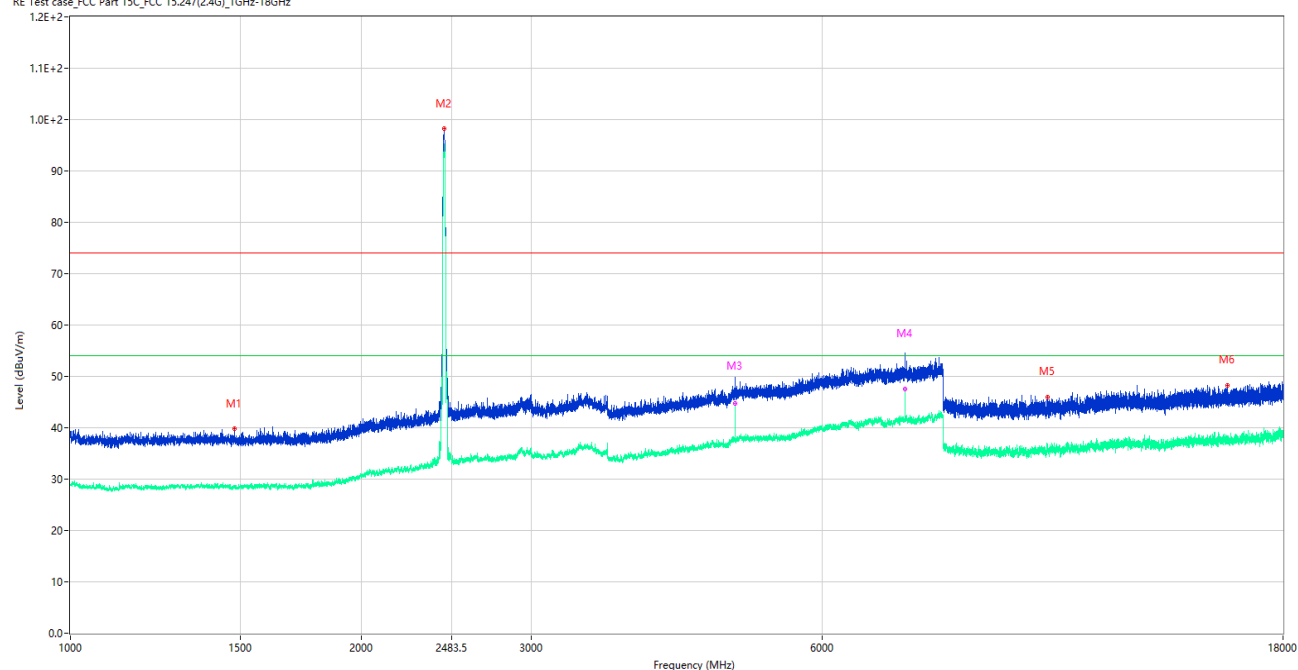
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.250	39.80	-16.14	74.0	34.20	Peak	242.00	150	Horizontal	Pass
1**	1498.250	28.59	-16.14	54.0	25.41	AV	242.00	150	Horizontal	Pass
2	2438.250	102.79	-12.38	74.0	-28.79	Peak	232.00	150	Horizontal	N/A
2**	2438.250	99.92	-12.38	54.0	-45.92	AV	232.00	150	Horizontal	N/A
3	4874.500	51.11	-2.25	74.0	22.89	Peak	251.00	150	Horizontal	Pass
3**	4874.500	49.42	-2.25	54.0	4.58	AV	251.00	150	Horizontal	Pass
4	7312.500	56.51	0.64	74.0	17.49	Peak	221.00	150	Horizontal	Pass
4**	7312.500	52.16	0.64	54.0	1.84	AV	221.00	150	Horizontal	Pass
5	10852.000	46.66	-3.36	74.0	27.34	Peak	0.00	150	Horizontal	Pass
5**	10852.000	35.97	-3.36	54.0	18.03	AV	0.00	150	Horizontal	Pass
6	16706.000	48.75	-1.62	74.0	25.25	Peak	360.00	150	Horizontal	Pass
6**	16706.000	37.62	-1.62	54.0	16.38	AV	360.00	150	Horizontal	Pass

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

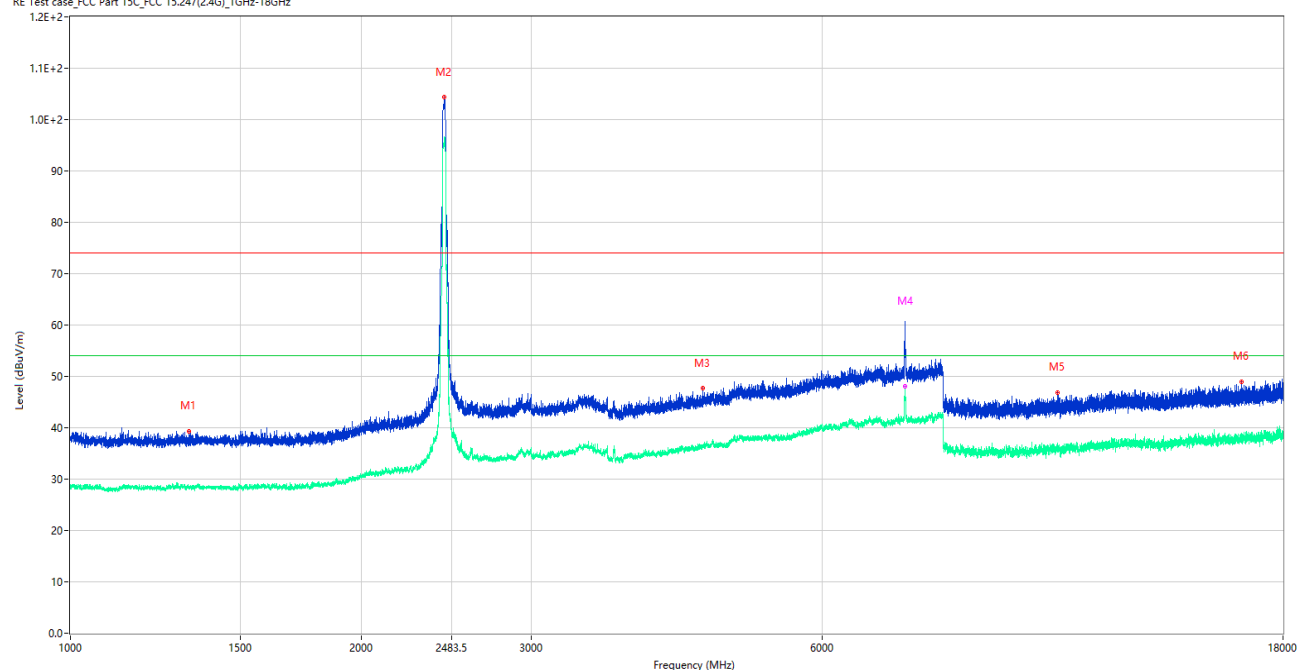
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.000	39.87	-16.29	74.0	34.13	Peak	360.00	150	Vertical	Pass
1**	1478.000	28.29	-16.29	54.0	25.71	AV	360.00	150	Vertical	Pass
2	2438.250	98.20	-12.38	74.0	-24.20	Peak	103.00	150	Vertical	N/A
2**	2438.250	95.25	-12.38	54.0	-41.25	AV	103.00	150	Vertical	N/A
3	4874.500	49.76	-2.25	74.0	24.24	Peak	210.00	150	Vertical	Pass
3**	4874.500	44.78	-2.25	54.0	9.22	AV	210.00	150	Vertical	Pass
4	7310.500	53.22	0.62	74.0	20.78	Peak	298.00	150	Vertical	Pass
4**	7310.500	47.56	0.62	54.0	6.44	AV	298.00	150	Vertical	Pass
5	10265.500	45.98	-3.12	74.0	28.02	Peak	349.00	150	Vertical	Pass
5**	10265.500	36.01	-3.12	54.0	17.99	AV	349.00	150	Vertical	Pass
6	15754.500	48.25	-1.96	74.0	25.75	Peak	62.00	150	Vertical	Pass
6**	15754.500	37.64	-1.96	54.0	16.36	AV	62.00	150	Vertical	Pass

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

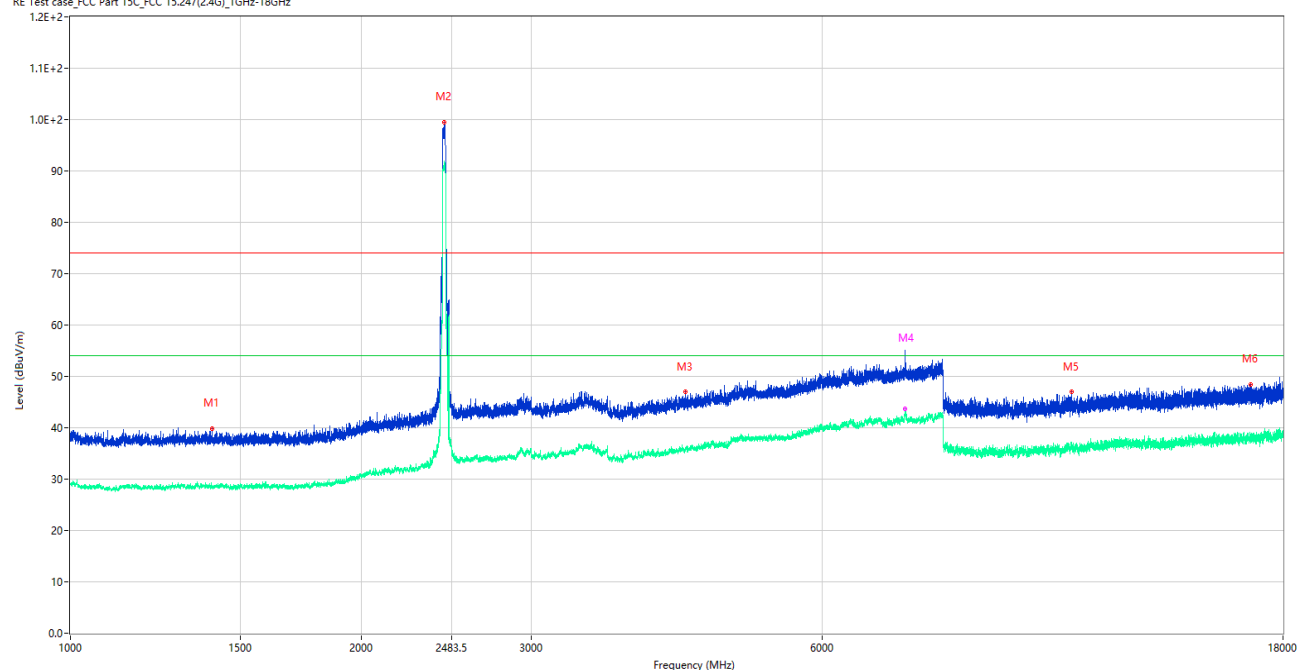
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.250	39.29	-15.91	74.0	34.71	Peak	1.00	150	Horizontal	Pass
1**	1327.250	28.39	-15.91	54.0	25.61	AV	1.00	150	Horizontal	Pass
2	2440.000	104.31	-12.37	74.0	-30.31	Peak	231.00	150	Horizontal	N/A
2**	2440.000	96.36	-12.37	54.0	-42.36	AV	231.00	150	Horizontal	N/A
3	4514.500	47.68	-3.04	74.0	26.32	Peak	345.00	150	Horizontal	Pass
3**	4514.500	36.34	-3.04	54.0	17.66	AV	345.00	150	Horizontal	Pass
4	7313.000	54.52	0.66	74.0	19.48	Peak	227.00	150	Horizontal	Pass
4**	7313.000	48.11	0.66	54.0	5.89	AV	227.00	150	Horizontal	Pass
5	10523.000	46.88	-3.41	74.0	27.12	Peak	322.00	150	Horizontal	Pass
5**	10523.000	35.85	-3.41	54.0	18.15	AV	322.00	150	Horizontal	Pass
6	16304.000	48.98	-1.48	74.0	25.02	Peak	178.00	150	Horizontal	Pass
6**	16304.000	38.68	-1.48	54.0	15.32	AV	178.00	150	Horizontal	Pass

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

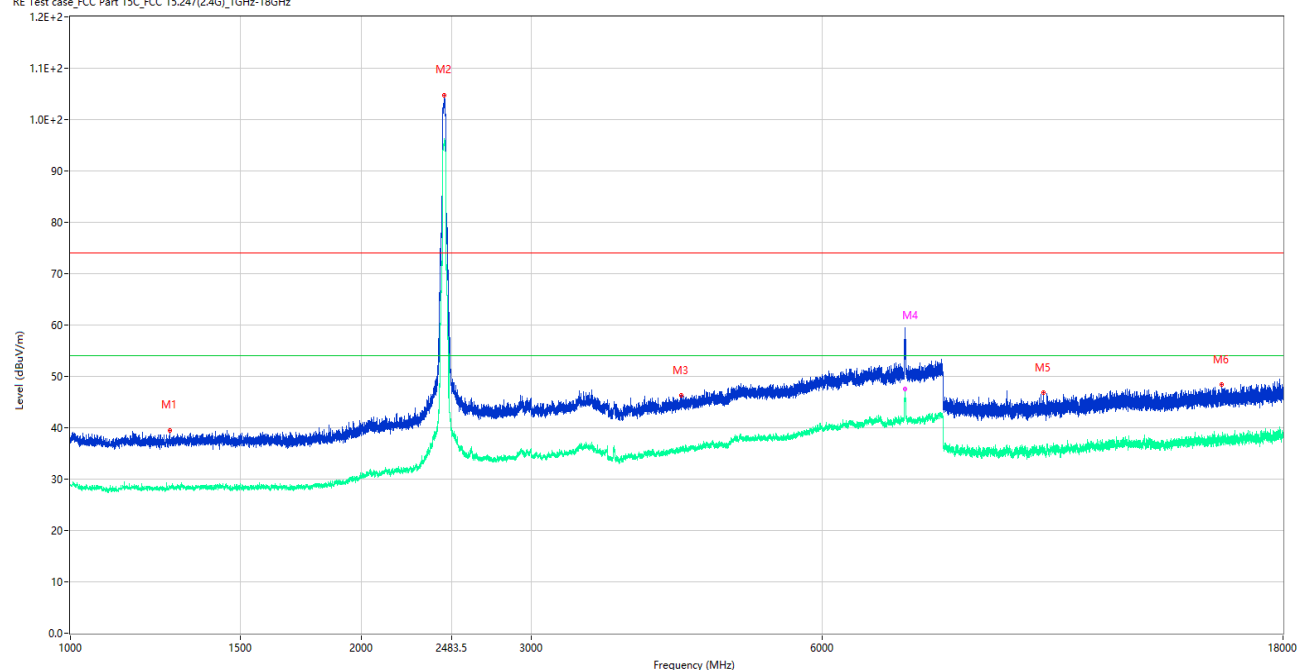
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1401.750	39.90	-15.97	74.0	34.10	Peak	0.00	150	Vertical	Pass
1**	1401.750	28.42	-15.97	54.0	25.58	AV	0.00	150	Vertical	Pass
2	2438.500	99.55	-12.37	74.0	-25.55	Peak	108.00	150	Vertical	N/A
2**	2438.500	91.91	-12.37	54.0	-37.91	AV	108.00	150	Vertical	N/A
3	4333.500	47.00	-3.25	74.0	27.00	Peak	360.00	150	Vertical	Pass
3**	4333.500	35.79	-3.25	54.0	18.21	AV	360.00	150	Vertical	Pass
4	7314.500	50.70	0.67	74.0	23.30	Peak	101.00	150	Vertical	Pass
4**	7314.500	43.72	0.67	54.0	10.28	AV	101.00	150	Vertical	Pass
5	10883.500	46.96	-3.19	74.0	27.04	Peak	182.00	150	Vertical	Pass
5**	10883.500	36.34	-3.19	54.0	17.66	AV	182.00	150	Vertical	Pass
6	16651.000	48.45	-1.52	74.0	25.55	Peak	359.00	150	Vertical	Pass
6**	16651.000	37.74	-1.52	54.0	16.26	AV	359.00	150	Vertical	Pass

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

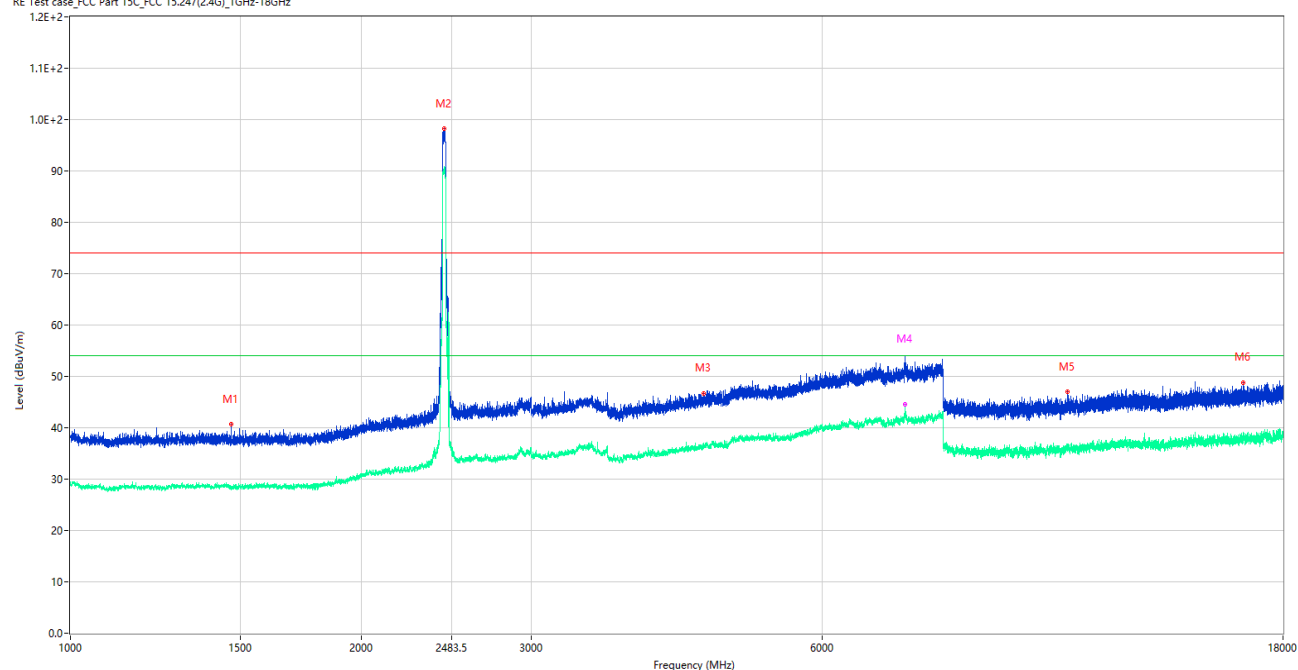
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1267.000	39.50	-15.95	74.0	34.50	Peak	271.00	150	Horizontal	Pass
1**	1267.000	28.36	-15.95	54.0	25.64	AV	271.00	150	Horizontal	Pass
2	2440.000	104.74	-12.37	74.0	-30.74	Peak	5.00	150	Horizontal	N/A
2**	2440.000	96.33	-12.37	54.0	-42.33	AV	5.00	150	Horizontal	N/A
3	4287.500	46.26	-3.96	74.0	27.74	Peak	360.00	150	Horizontal	Pass
3**	4287.500	35.77	-3.96	54.0	18.23	AV	360.00	150	Horizontal	Pass
4	7312.500	58.34	0.64	74.0	15.66	Peak	164.00	150	Horizontal	Pass
4**	7312.500	47.57	0.64	54.0	6.43	AV	164.00	150	Horizontal	Pass
5	10169.500	46.82	-3.92	74.0	27.18	Peak	214.00	150	Horizontal	Pass
5**	10169.500	35.41	-3.92	54.0	18.59	AV	214.00	150	Horizontal	Pass
6	15546.000	48.40	-2.58	74.0	25.60	Peak	359.00	150	Horizontal	Pass
6**	15546.000	37.53	-2.58	54.0	16.47	AV	359.00	150	Horizontal	Pass

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

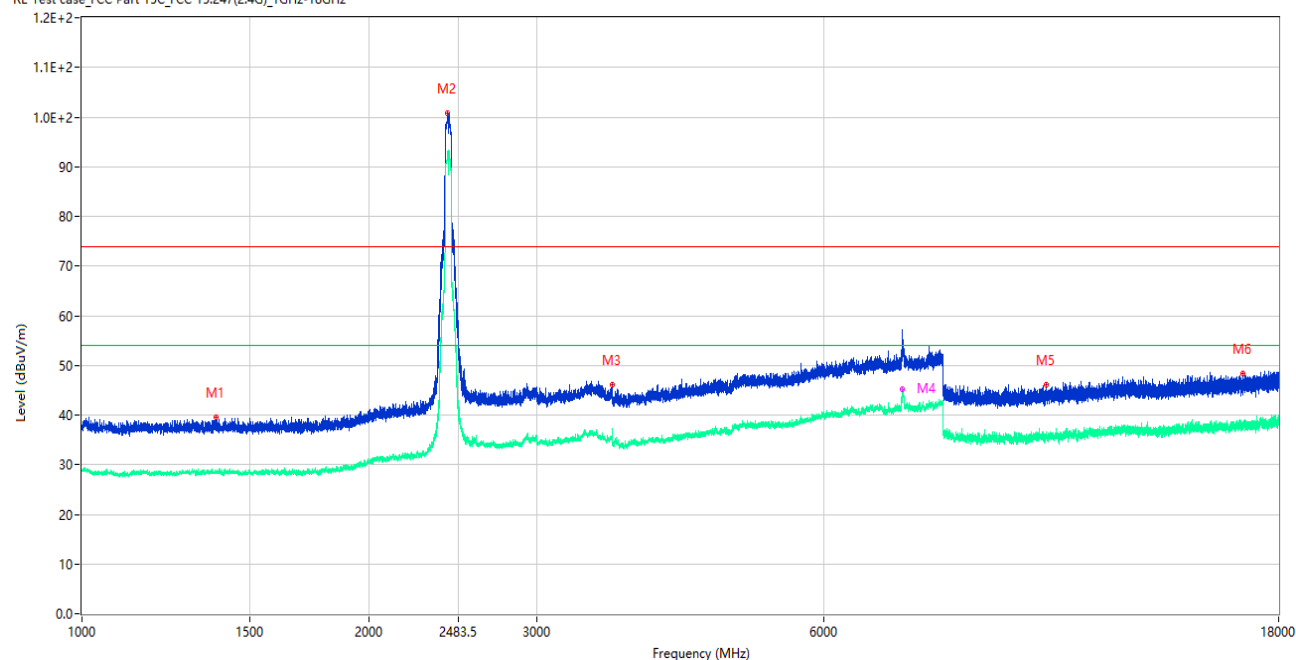
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.500	40.66	-16.26	74.0	33.34	Peak	302.00	150	Vertical	Pass
1**	1466.500	28.02	-16.26	54.0	25.98	AV	302.00	150	Vertical	Pass
2	2439.000	98.16	-12.37	74.0	-24.16	Peak	87.00	150	Vertical	N/A
2**	2439.000	90.66	-12.37	54.0	-36.66	AV	87.00	150	Vertical	N/A
3	4522.000	46.75	-2.62	74.0	27.25	Peak	284.00	150	Vertical	Pass
3**	4522.000	36.43	-2.62	54.0	17.57	AV	284.00	150	Vertical	Pass
4	7311.500	52.72	0.64	74.0	21.28	Peak	88.00	150	Vertical	Pass
4**	7311.500	44.55	0.64	54.0	9.45	AV	88.00	150	Vertical	Pass
5	10766.500	46.98	-3.45	74.0	27.02	Peak	206.00	150	Vertical	Pass
5**	10766.500	35.96	-3.45	54.0	18.04	AV	206.00	150	Vertical	Pass
6	16380.500	48.73	-1.37	74.0	25.27	Peak	62.00	150	Vertical	Pass
6**	16380.500	38.73	-1.37	54.0	15.27	AV	62.00	150	Vertical	Pass

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

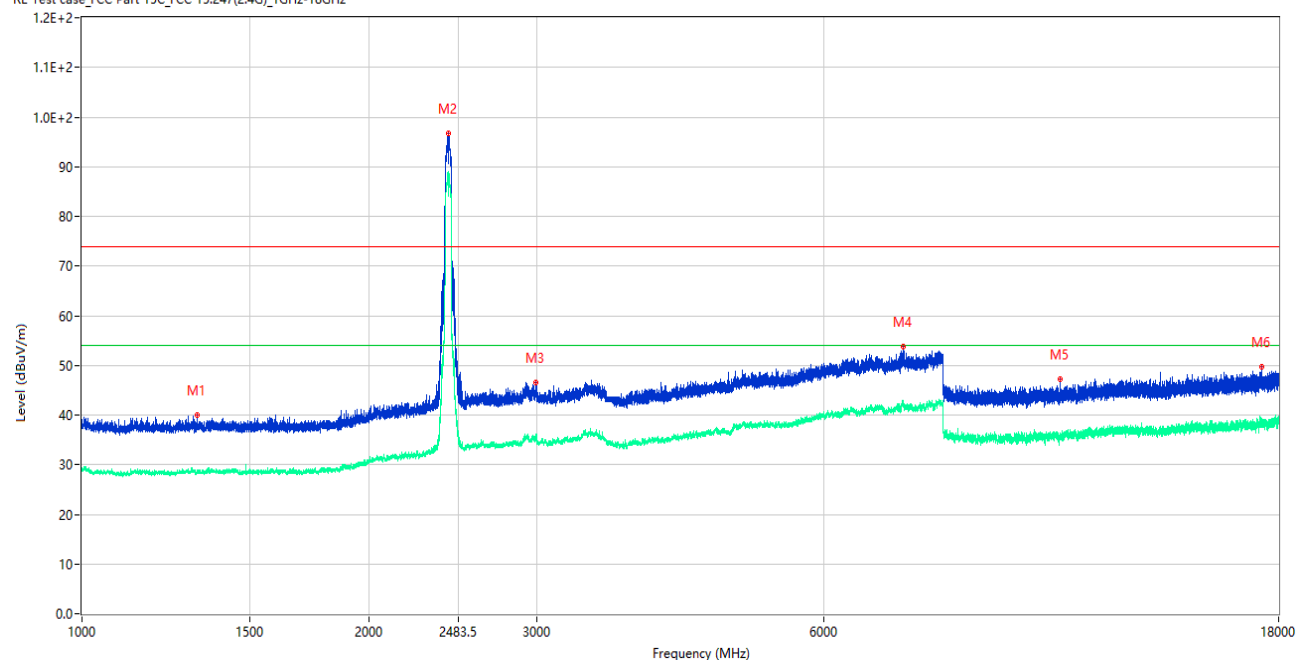
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.000	39.54	-15.97	74.0	34.46	Peak	360.00	150	Horizontal	Pass
1**	1383.000	28.81	-15.97	54.0	25.19	AV	360.00	150	Horizontal	Pass
2	2419.750	100.75	-12.38	74.0	-26.75	Peak	32.00	150	Horizontal	N/A
2**	2419.750	93.07	-12.38	54.0	-39.07	AV	32.00	150	Horizontal	N/A
3	3597.500	46.15	-5.10	74.0	27.85	Peak	229.00	150	Horizontal	Pass
3**	3597.500	36.33	-5.10	54.0	17.67	AV	229.00	150	Horizontal	Pass
4	7260.500	53.36	0.57	74.0	20.64	Peak	69.00	150	Horizontal	Pass
4**	7260.500	45.30	0.57	54.0	8.70	AV	69.00	150	Horizontal	Pass
5	10272.000	46.12	-2.98	74.0	27.88	Peak	360.00	150	Horizontal	Pass
5**	10272.000	36.20	-2.98	54.0	17.80	AV	360.00	150	Horizontal	Pass
6	16518.000	48.42	-1.71	74.0	25.58	Peak	292.00	150	Horizontal	Pass
6**	16518.000	38.15	-1.71	54.0	15.85	AV	292.00	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	1322.000	40.00	-15.87	74.0	34.00	Peak	138.00	150	Vertical	Pass
1**	1322.000	28.73	-15.87	54.0	25.27	AV	138.00	150	Vertical	Pass
2	2424.000	96.64	-12.29	74.0	-22.64	Peak	90.00	150	Vertical	N/A
2**	2424.000	88.71	-12.29	54.0	-34.71	AV	90.00	150	Vertical	N/A
3	2994.750	46.62	-8.91	74.0	27.38	Peak	358.00	150	Vertical	Pass
3**	2994.750	35.68	-8.91	54.0	18.32	AV	358.00	150	Vertical	Pass
4	7266.500	53.68	0.52	74.0	20.32	Peak	192.00	150	Vertical	Pass
4**	7266.500	42.56	0.52	54.0	11.44	AV	192.00	150	Vertical	Pass
5	10609.000	47.14	-3.84	74.0	26.86	Peak	359.00	150	Vertical	Pass
5**	10609.000	35.46	-3.84	54.0	18.54	AV	359.00	150	Vertical	Pass
6	17277.000	49.64	-0.94	74.0	24.36	Peak	11.00	150	Vertical	Pass
6**	17277.000	39.17	-0.94	54.0	14.83	AV	11.00	150	Vertical	Pass

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

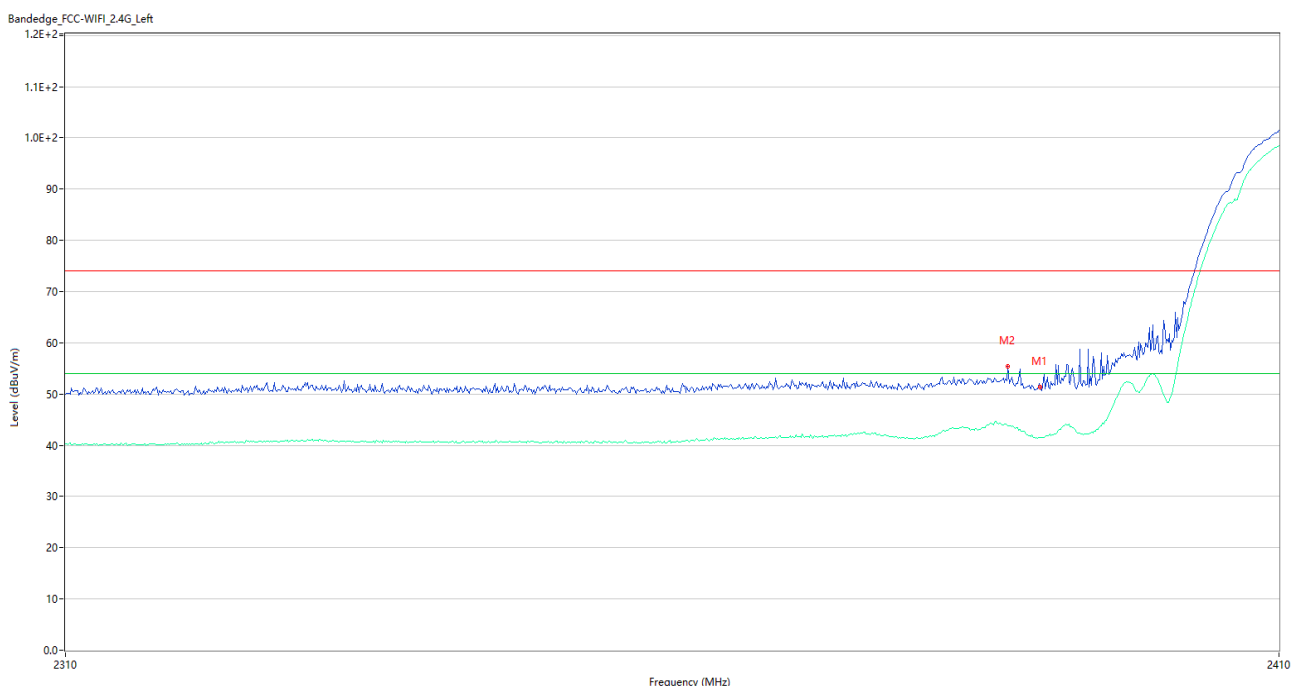
Note 1: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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

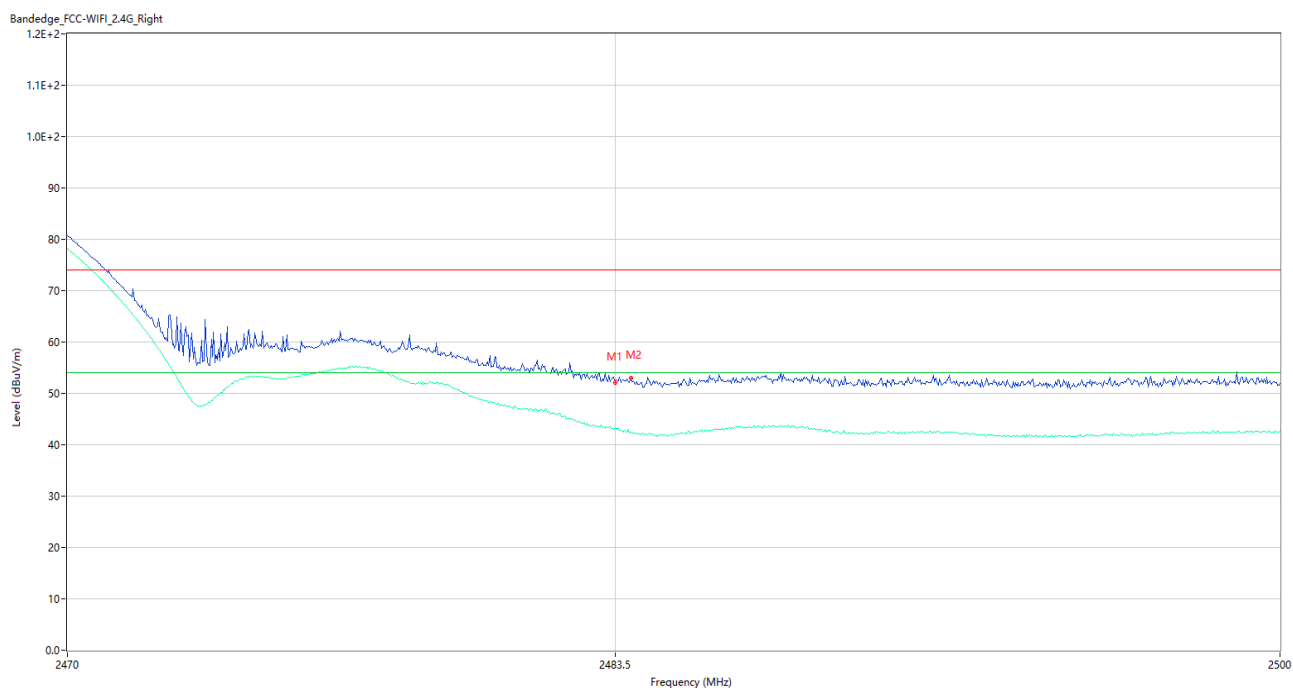
Test Data and Plots

802.11b LOW CHANNEL



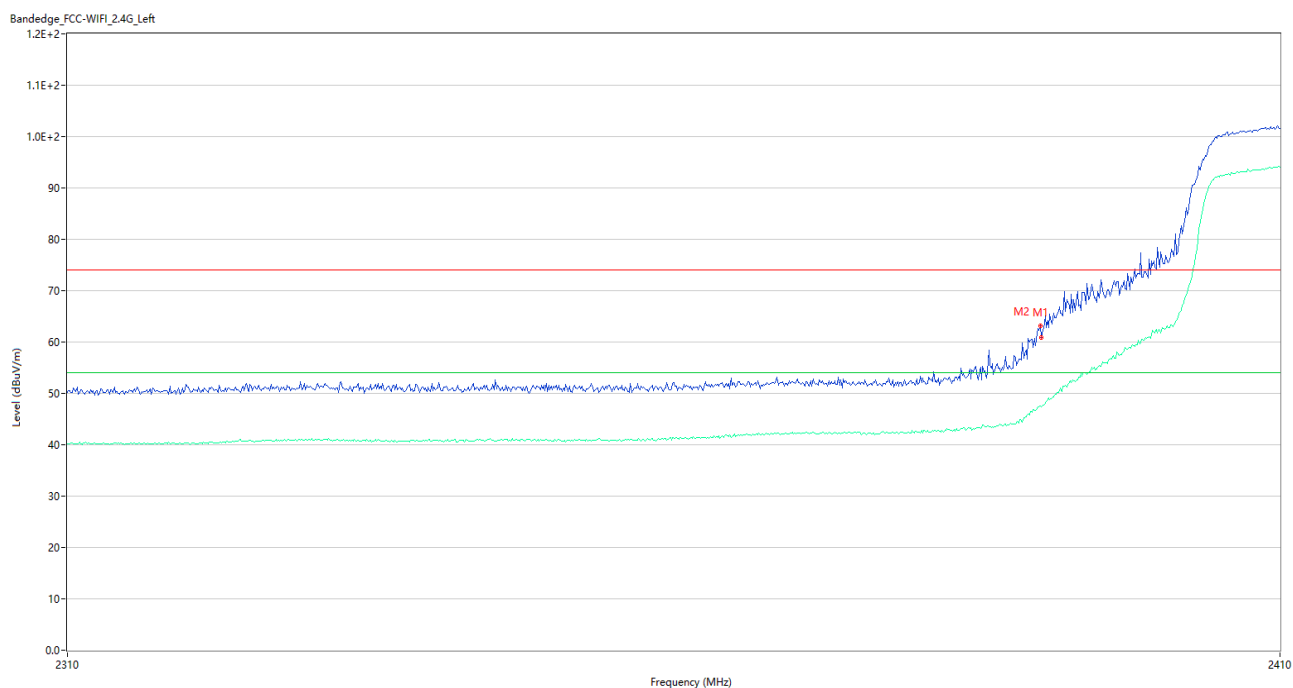
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.44	-4.87	74.0	22.56	Peak	9.28	150	Horizontal	Pass
1**	2390.000	41.51	-4.87	54.0	12.49	AV	9.28	150	Horizontal	Pass
2	2387.300	55.47	-4.72	74.0	18.53	Peak	142.00	150	Horizontal	Pass
2**	2387.300	43.79	-4.72	54.0	10.21	AV	142.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



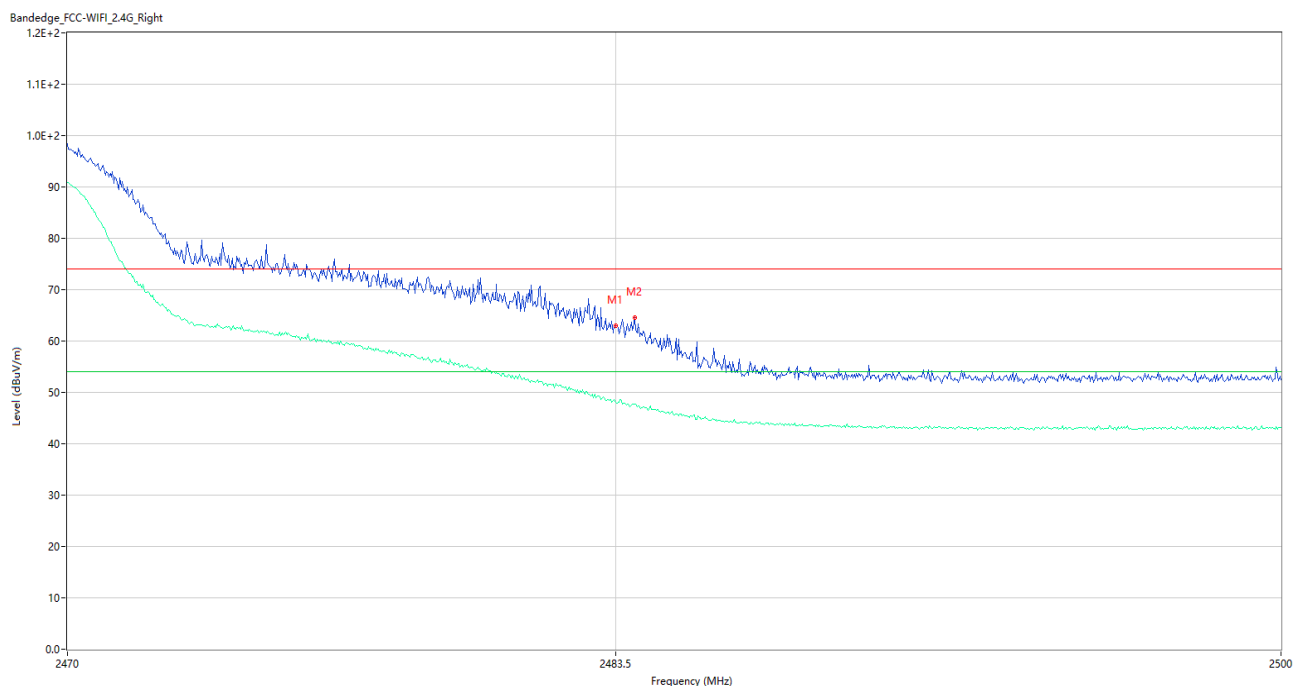
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.15	-3.78	74.0	21.85	Peak	314.00	150	Horizontal	Pass
1**	2483.500	43.16	-3.78	54.0	10.84	AV	314.00	150	Horizontal	Pass
2	2483.890	53.01	-3.78	74.0	20.99	Peak	84.00	150	Horizontal	Pass
2**	2483.890	42.37	-3.78	54.0	11.63	AV	84.00	150	Horizontal	Pass

802.11g LOW CHANNEL



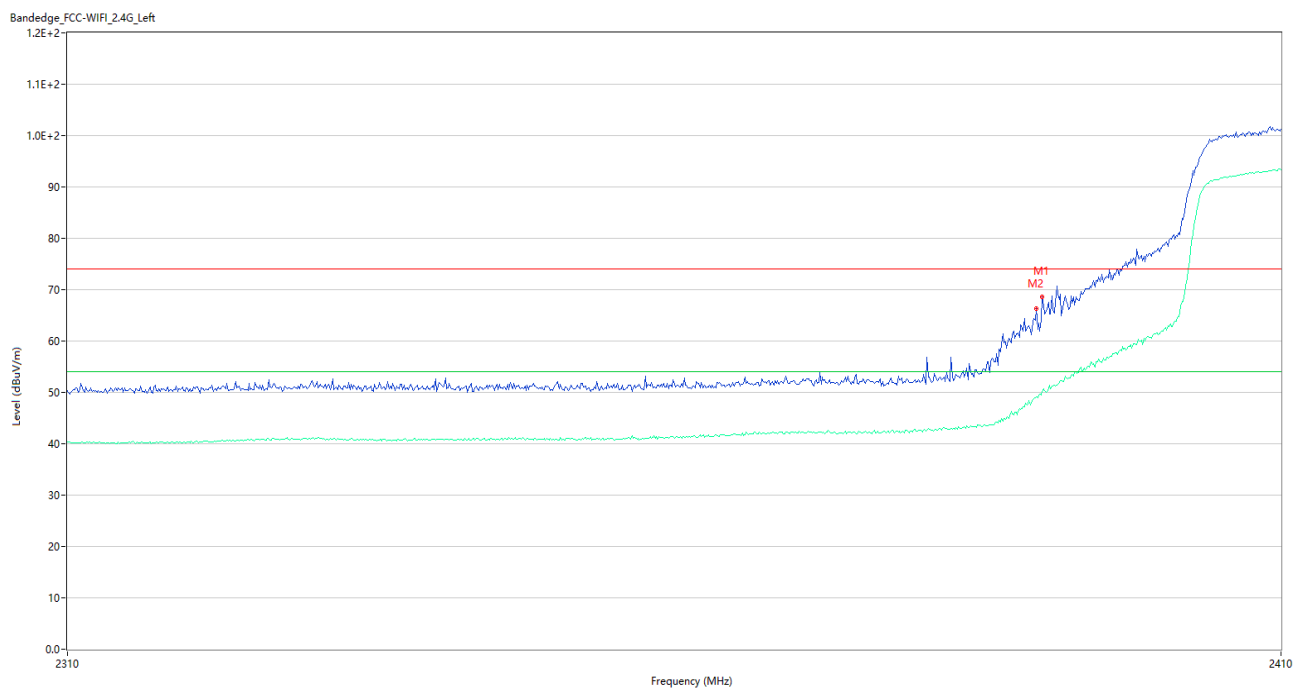
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	60.82	-4.87	74.0	13.18	Peak	245.05	150	Horizontal	Pass
1**	2390.000	47.35	-4.87	54.0	6.65	AV	245.05	150	Horizontal	Pass
2	2389.900	63.15	-4.87	74.0	10.85	Peak	283.00	150	Horizontal	Pass
2**	2389.900	47.50	-4.87	54.0	6.50	AV	283.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



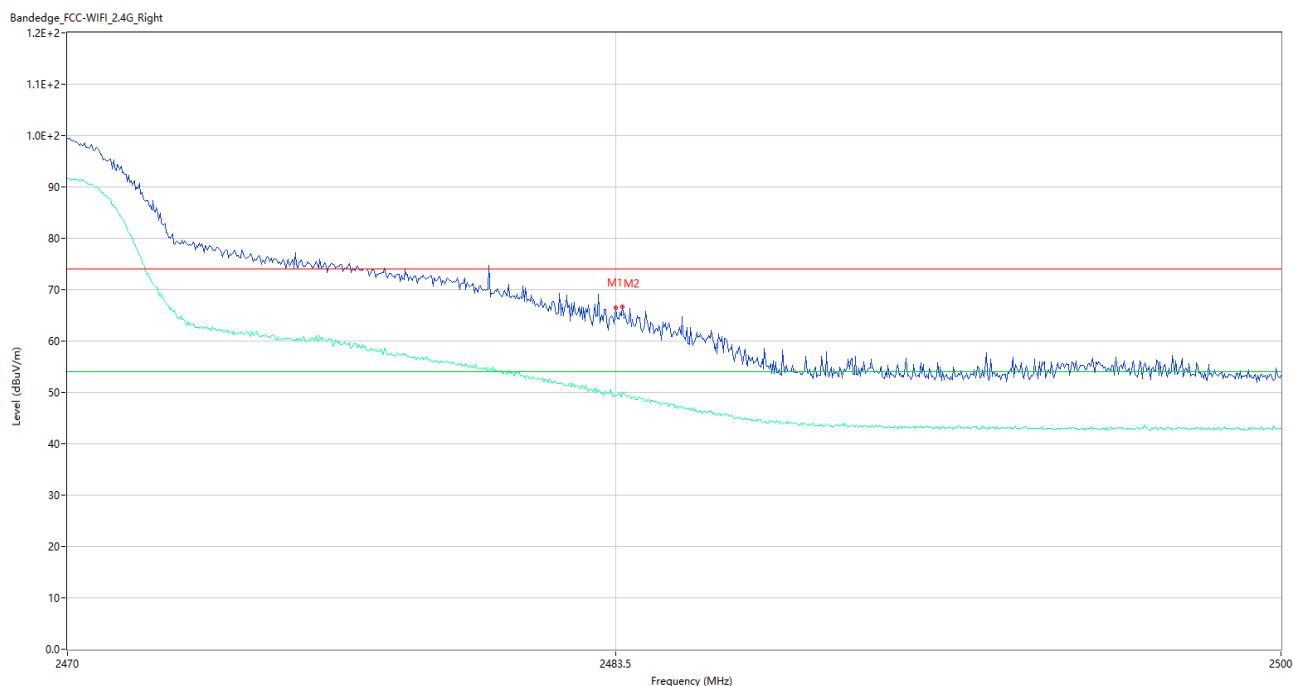
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.04	-3.78	74.0	10.96	Peak	314.00	150	Horizontal	Pass
1**	2483.500	48.07	-3.78	54.0	5.93	AV	314.00	150	Horizontal	Pass
2	2483.980	64.56	-3.78	74.0	9.44	Peak	17.00	150	Horizontal	Pass
2**	2483.980	47.79	-3.78	54.0	6.21	AV	17.00	150	Horizontal	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	68.51	-4.87	74.0	5.49	Peak	33.00	150	Horizontal	Pass
1**	2390.000	50.22	-4.87	54.0	3.78	AV	33.00	150	Horizontal	Pass
2	2389.500	66.34	-4.85	74.0	7.66	Peak	17.00	150	Horizontal	Pass
2**	2389.500	49.19	-4.85	54.0	4.81	AV	17.00	150	Horizontal	Pass

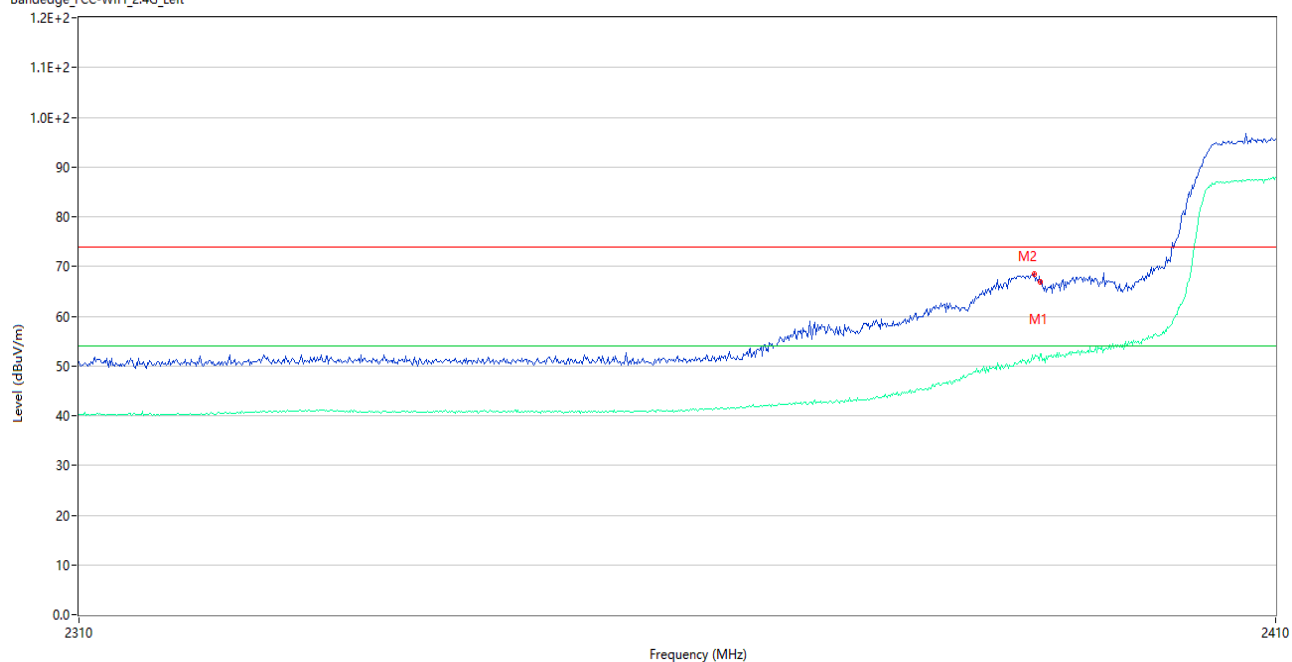
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.50	-3.78	74.0	7.50	Peak	234.00	150	Horizontal	Pass
1**	2483.500	49.23	-3.78	54.0	4.77	AV	234.00	150	Horizontal	Pass
2	2483.680	66.68	-3.78	74.0	7.32	Peak	24.00	150	Horizontal	Pass
2**	2483.680	49.82	-3.78	54.0	4.18	AV	24.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL

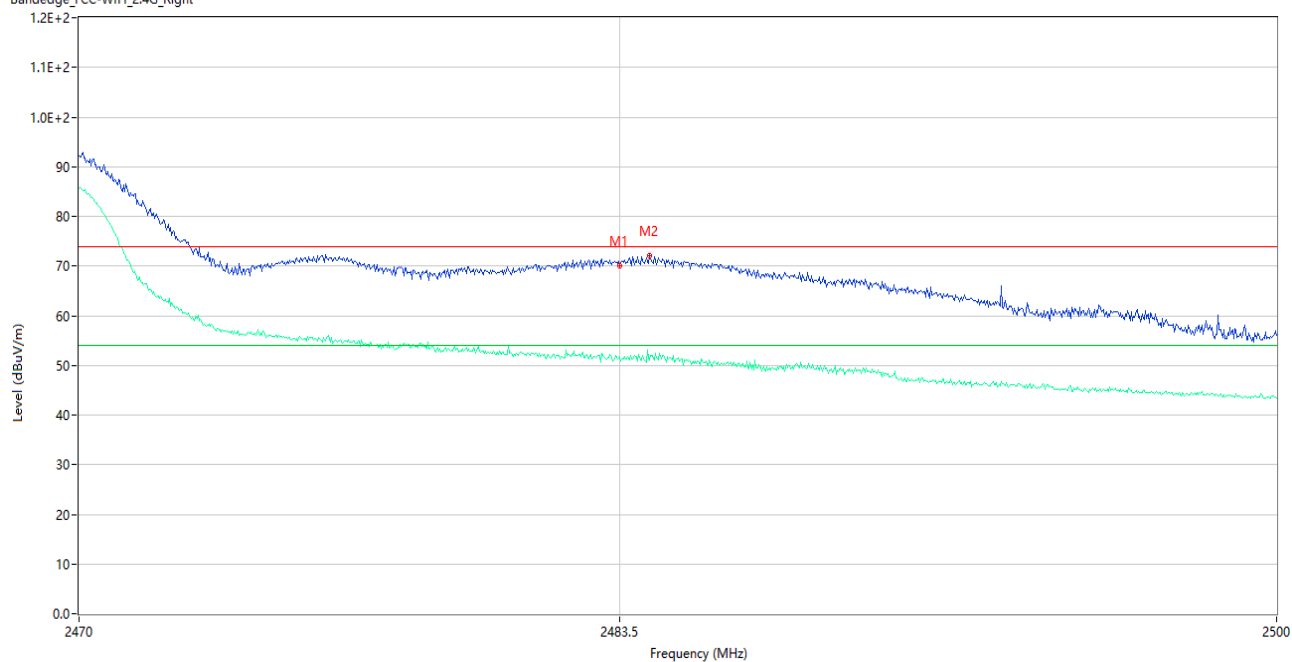
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	66.86	-4.87	74.0	7.14	Peak	10.00	150	Horizontal	Pass
1**	2390.000	52.32	-4.87	54.0	1.68	AV	10.00	150	Horizontal	Pass
2	2389.500	68.40	-4.85	74.0	5.60	Peak	9.00	150	Horizontal	Pass
2**	2389.500	51.55	-4.85	54.0	2.45	AV	9.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL

Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	69.98	-3.78	74.0	4.02	Peak	27.00	150	Horizontal	Pass
1**	2483.500	51.85	-3.78	54.0	2.15	AV	27.00	150	Horizontal	Pass
2	2484.250	72.18	-3.78	74.0	1.82	Peak	317.00	150	Horizontal	Pass
2**	2484.250	51.16	-3.78	54.0	2.84	AV	317.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.83	8
Middle	-5.09	8
High	-4.11	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.53	8
Middle	-8.17	8
High	-8.45	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.26	8
Middle	-8.13	8
High	-8.35	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.43	8
Middle	-12.17	8
High	-12.19	8

Test Plots

802.11b LOW CHANNEL



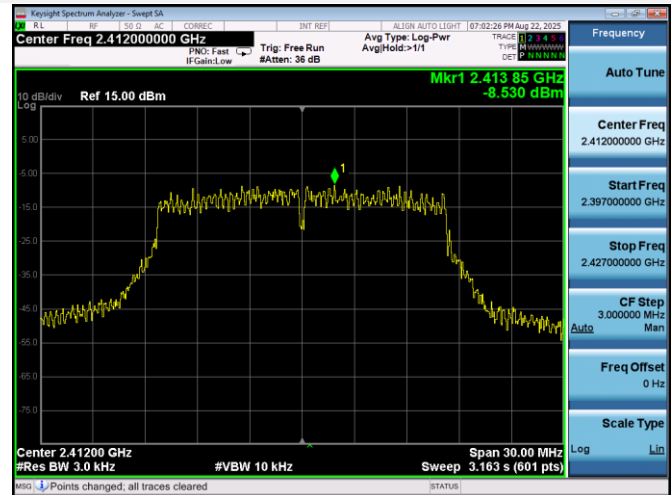
802.11b MIDDLE CHANNEL



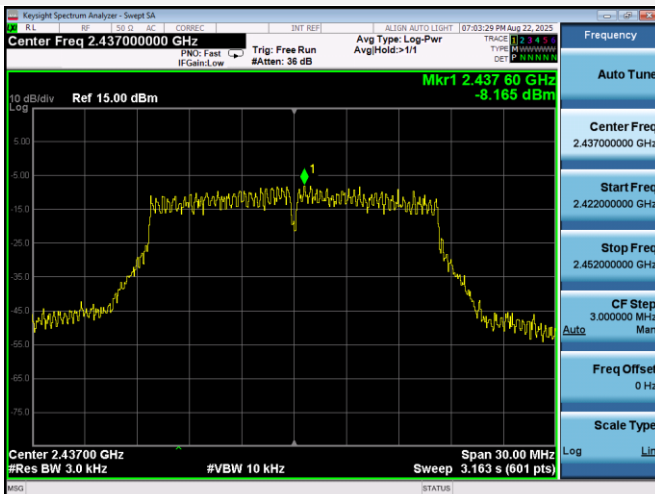
802.11b HIGH CHANNEL



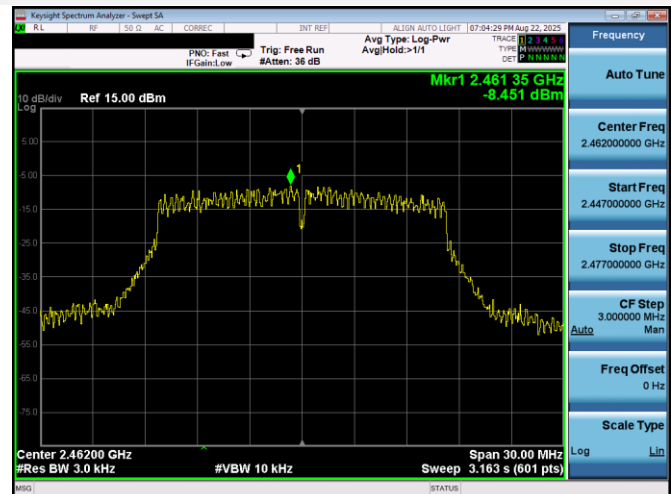
802.11g LOW CHANNEL



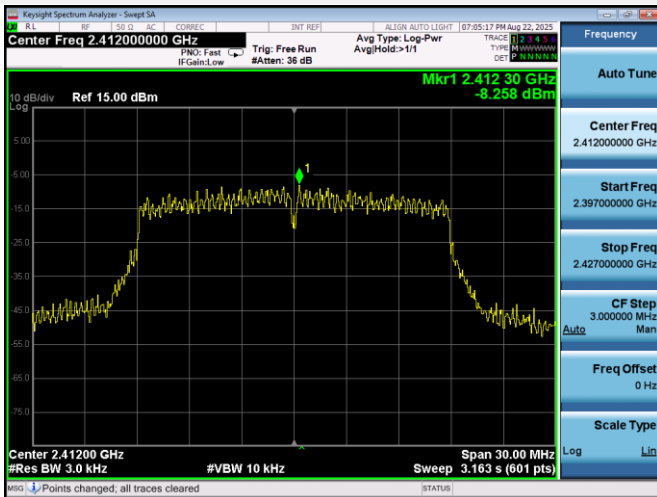
802.11g MIDDLE CHANNEL



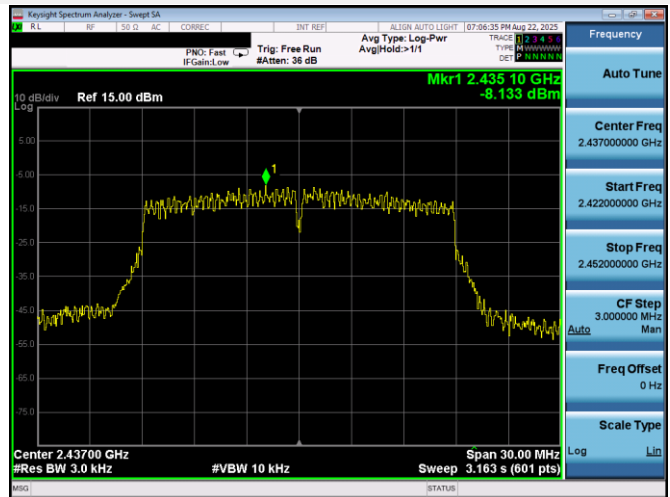
802.11g HIGH CHANNEL



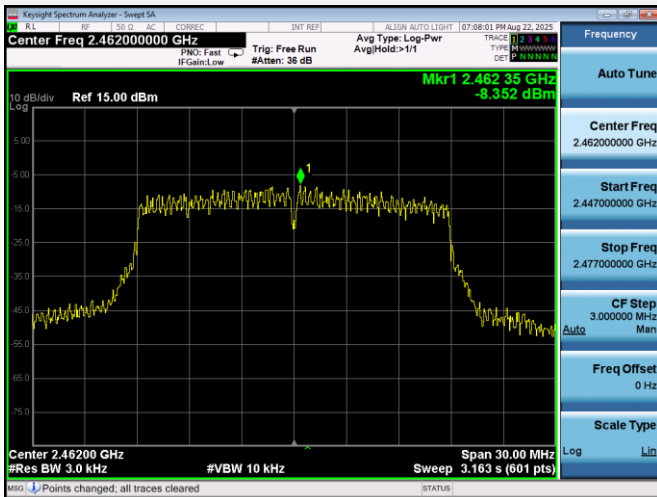
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



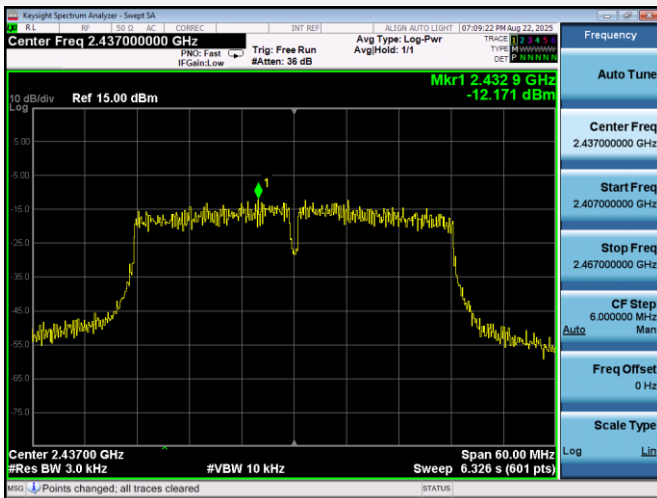
802.11n-20 MHz HIGH CHANNEL



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-SH2580895-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2580895-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2580895-AI.PDF”.

Statement

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--