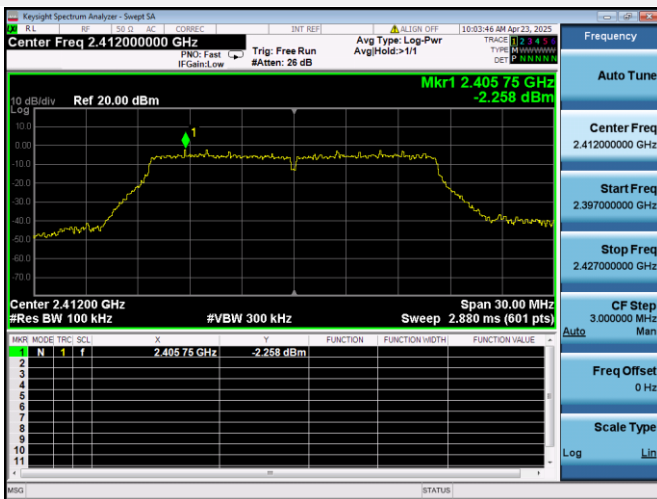
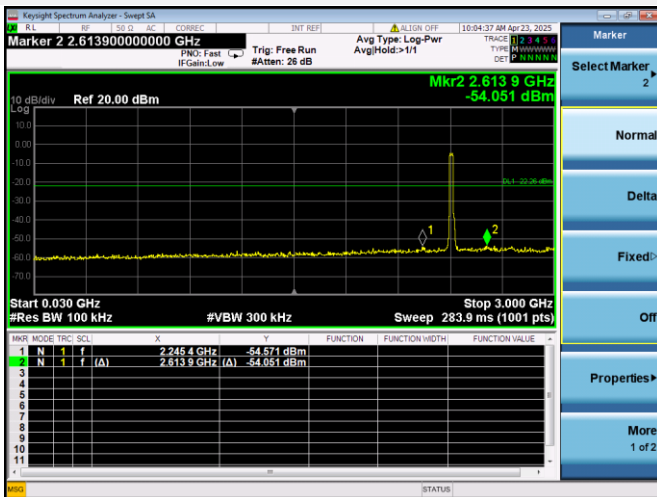
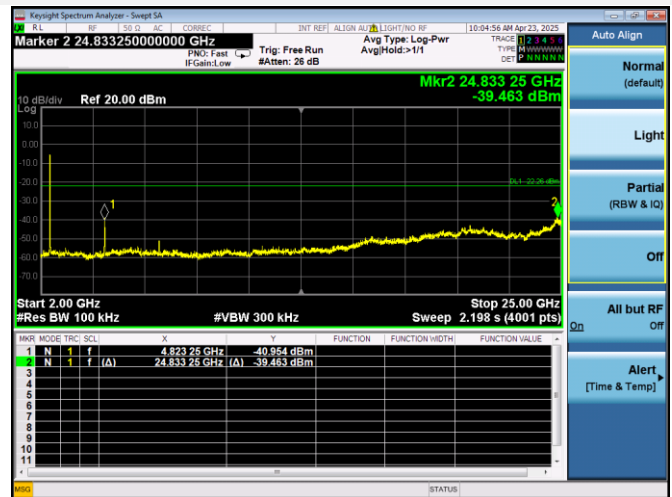
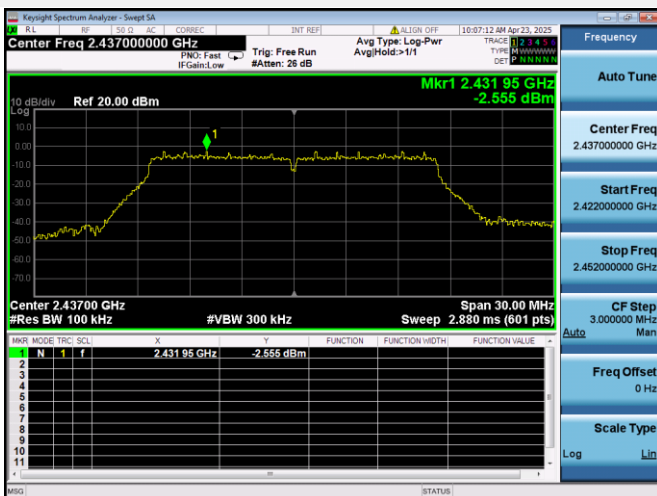


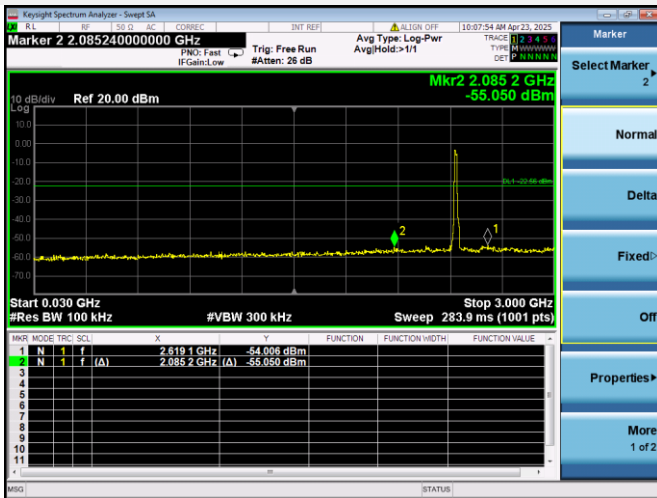
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

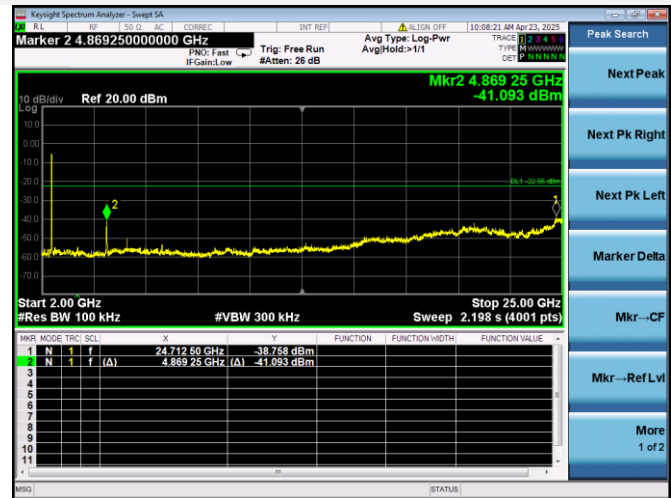
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



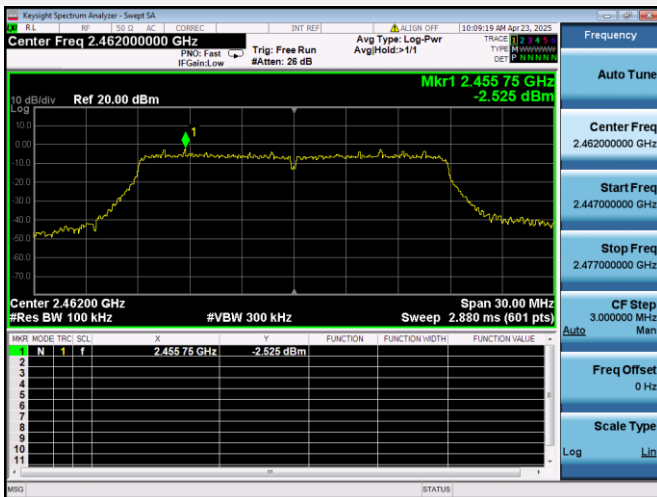
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



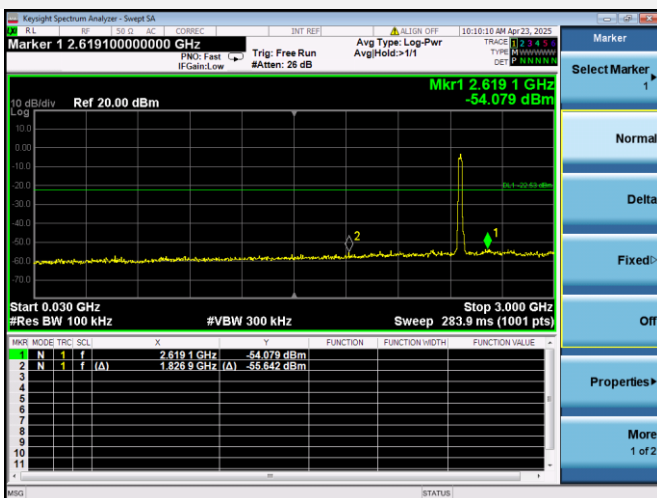
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



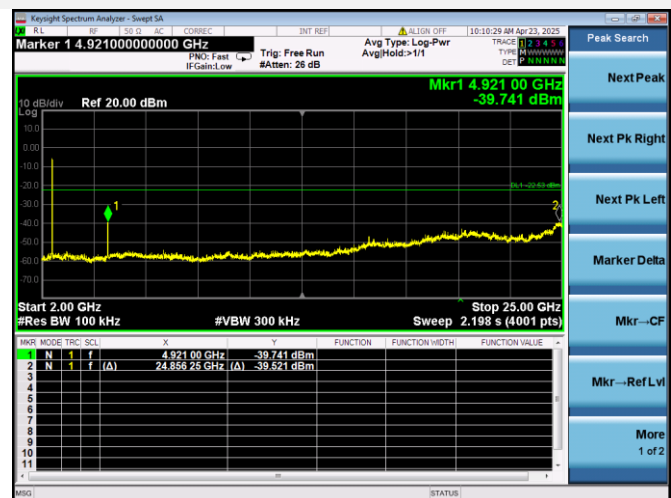
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



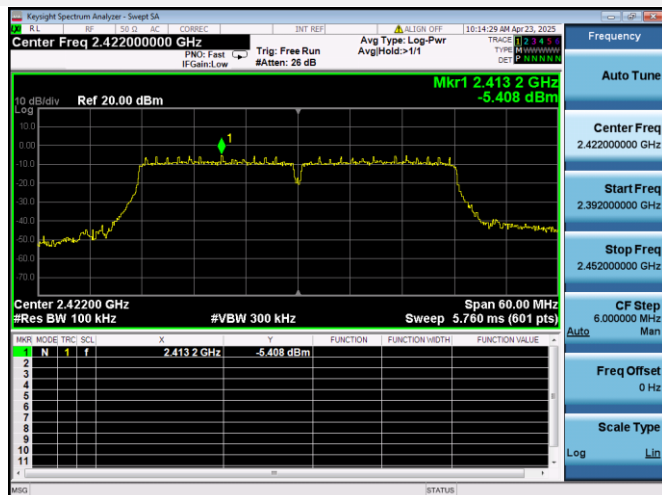
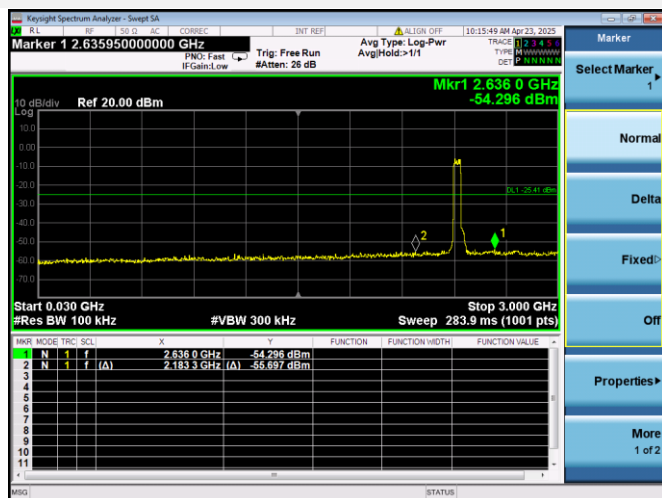
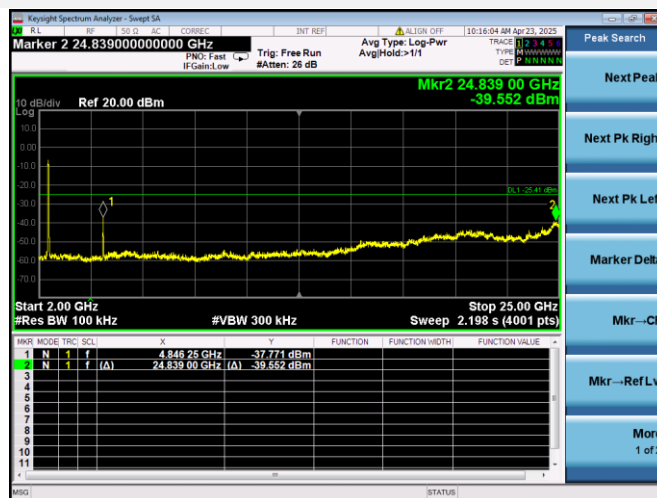
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



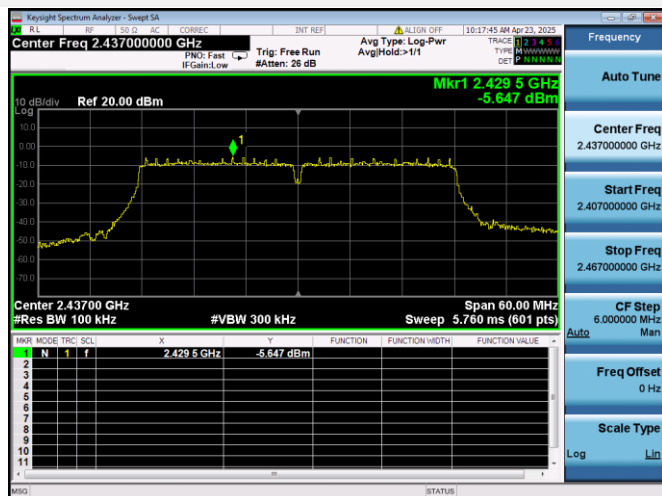
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



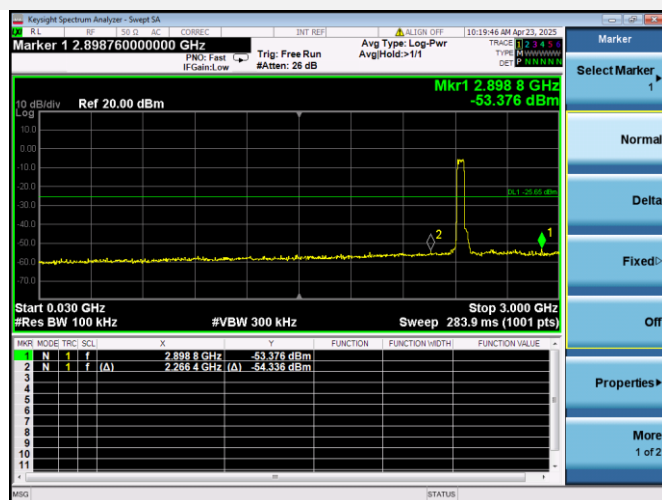
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

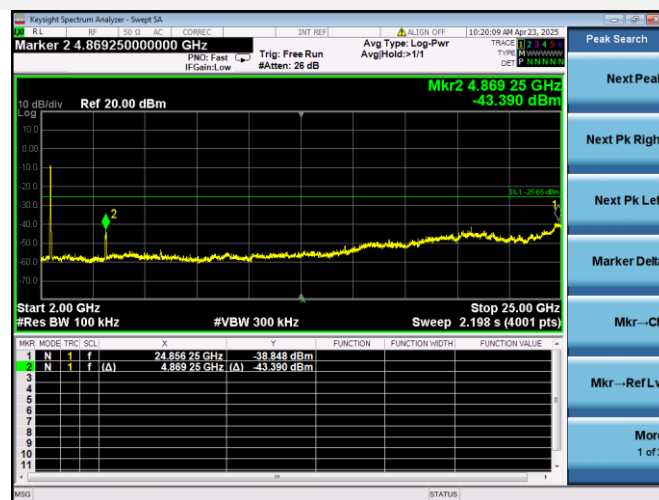
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



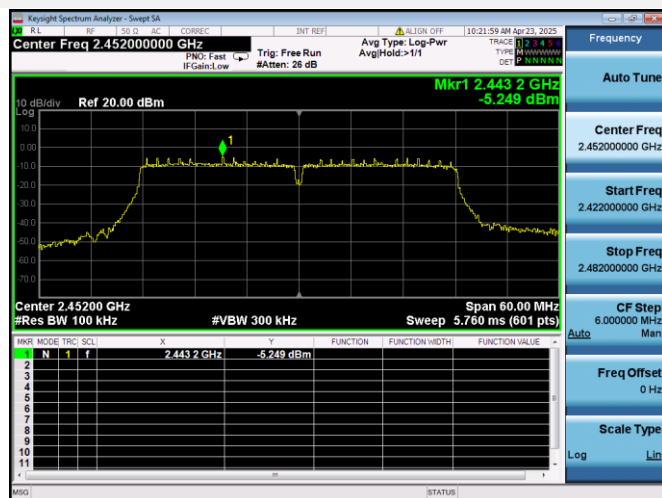
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



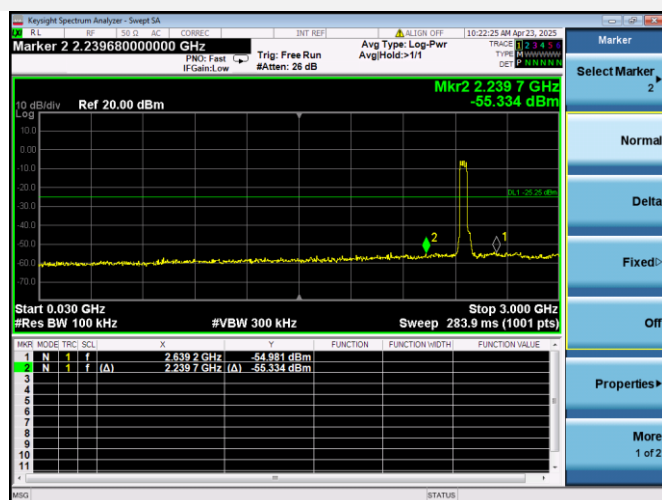
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



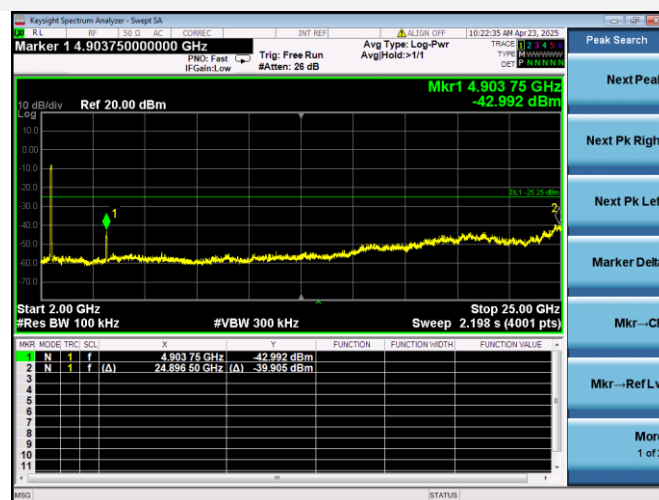
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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.

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-49.68	0.54	-19.46	Pass
High	-51.62	0.58	-19.42	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-41.83	-2.31	-22.31	Pass
High	-47.52	-2.22	-22.22	Pass

802.11n-20 MHz Mode:

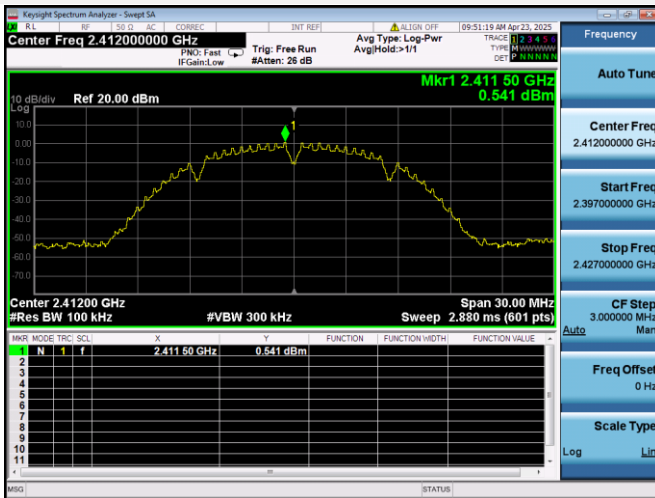
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-41.94	-2.26	-22.26	Pass
High	-46.58	-2.53	-22.53	Pass

802.11n-40 MHz Mode:

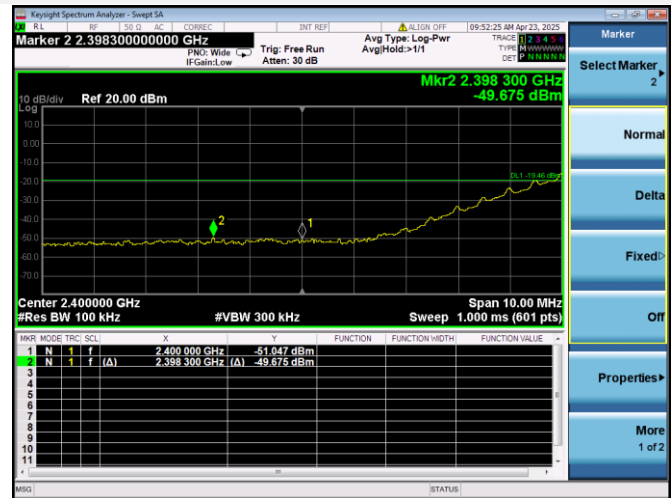
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.77	-5.41	-25.41	Pass
High	-42.13	-5.25	-25.25	Pass

Test Plots

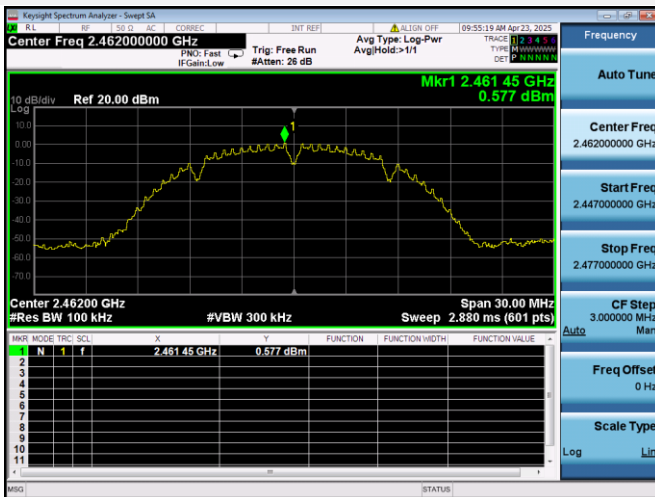
802.11b LOW CHANNEL, CARRIER LEVEL



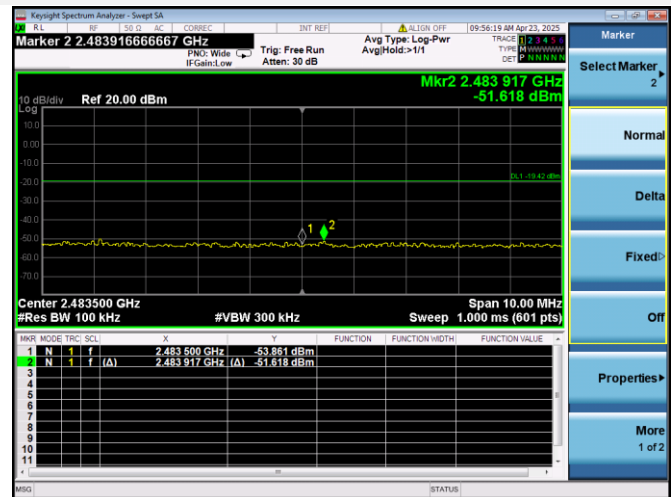
802.11b LOW CHANNEL, BAND EDGE



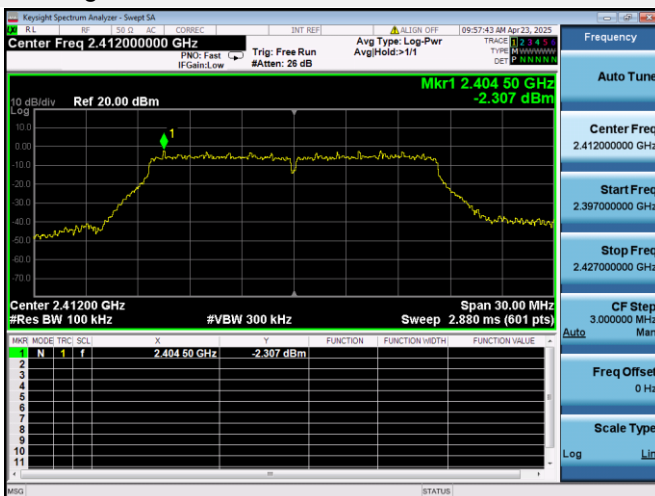
802.11b HIGH CHANNEL, CARRIER LEVEL



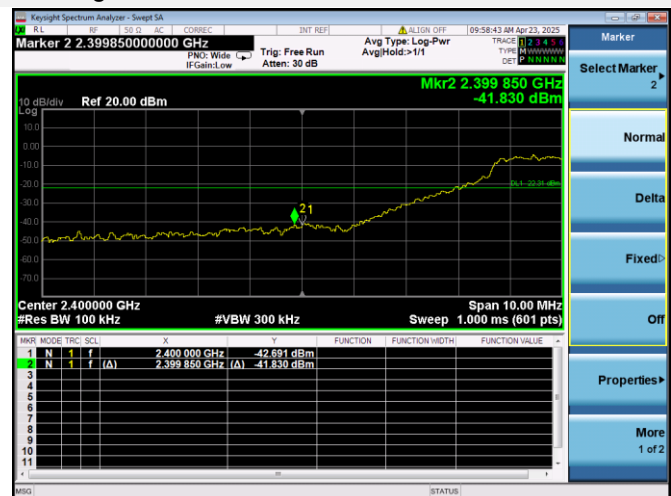
802.11b HIGH CHANNEL, BAND EDGE



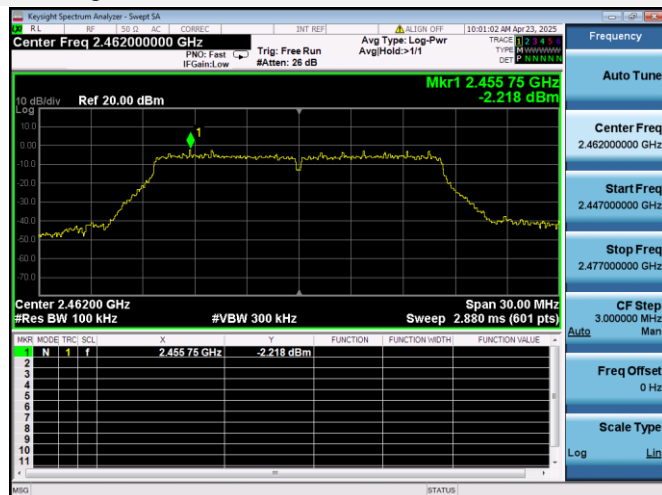
802.11g LOW CHANNEL, CARRIER LEVEL



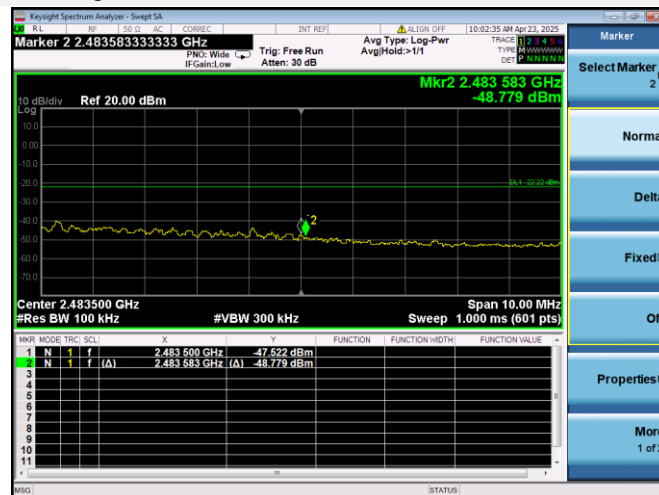
802.11g LOW CHANNEL, BAND EDGE



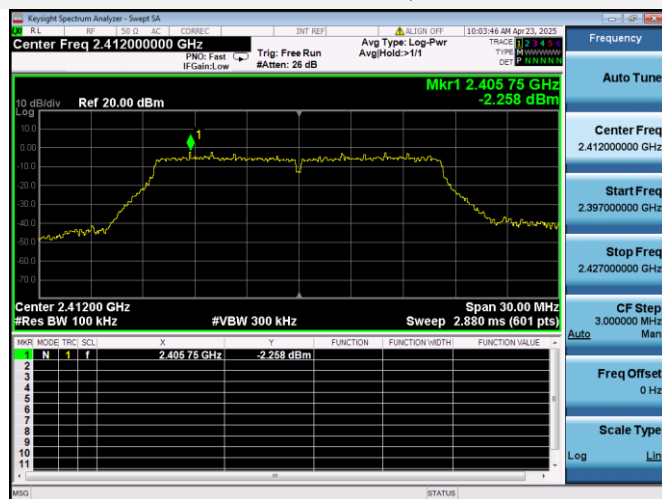
802.11g HIGH CHANNEL, CARRIER LEVEL



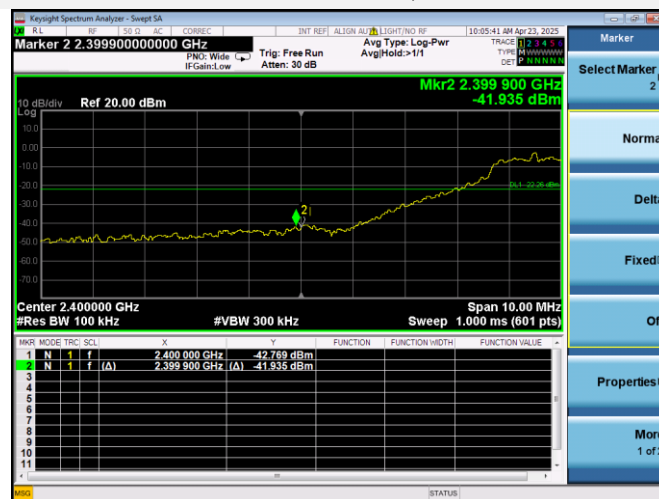
802.11g HIGH CHANNEL, BAND EDGE



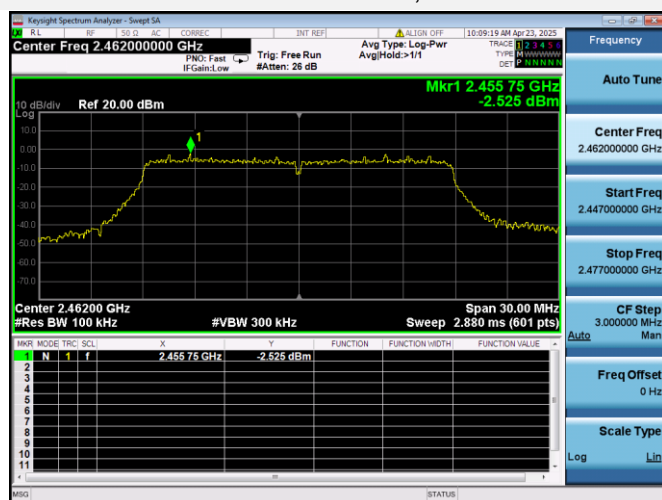
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



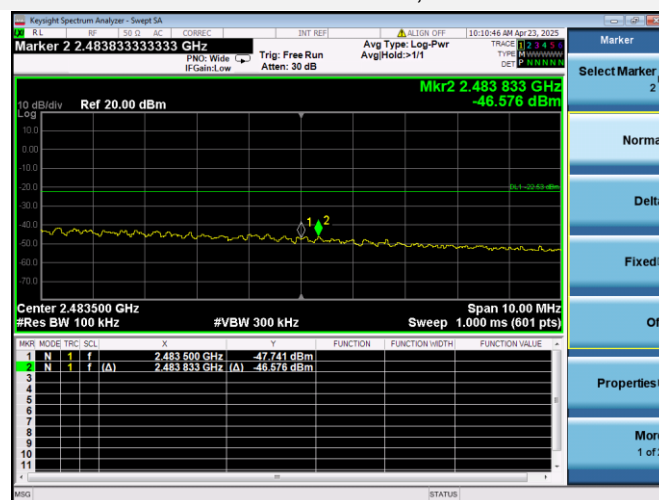
802.11n-20 MHz LOW CHANNEL, BAND EDGE



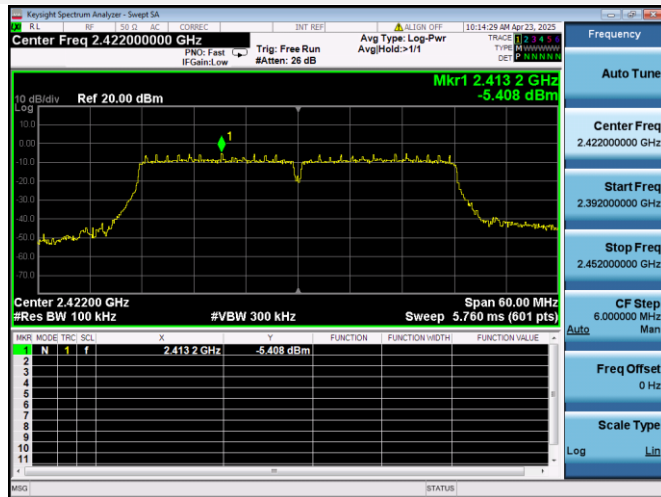
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



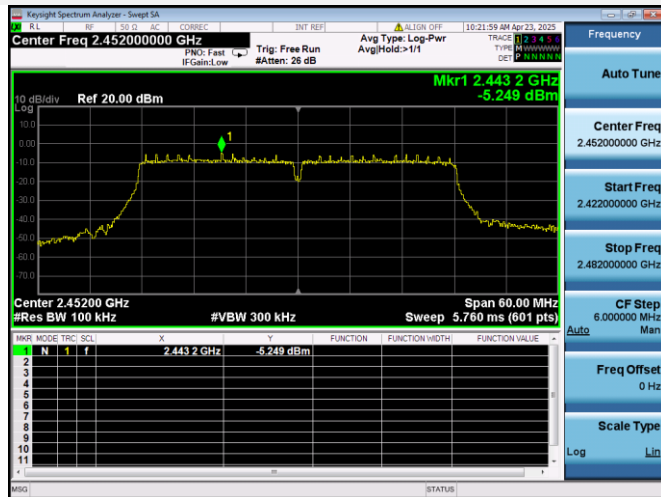
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



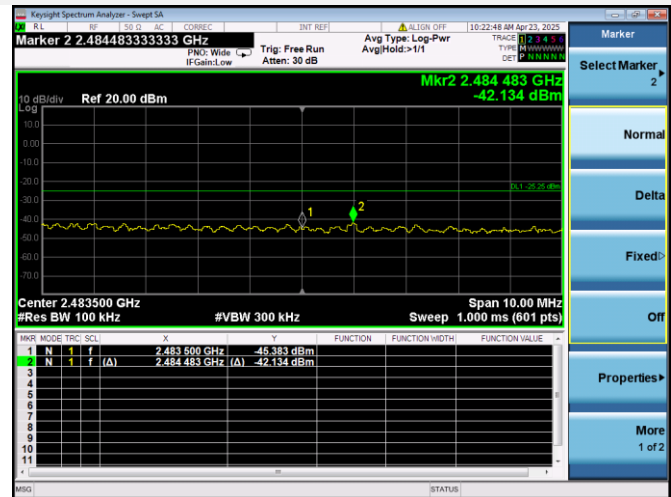
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

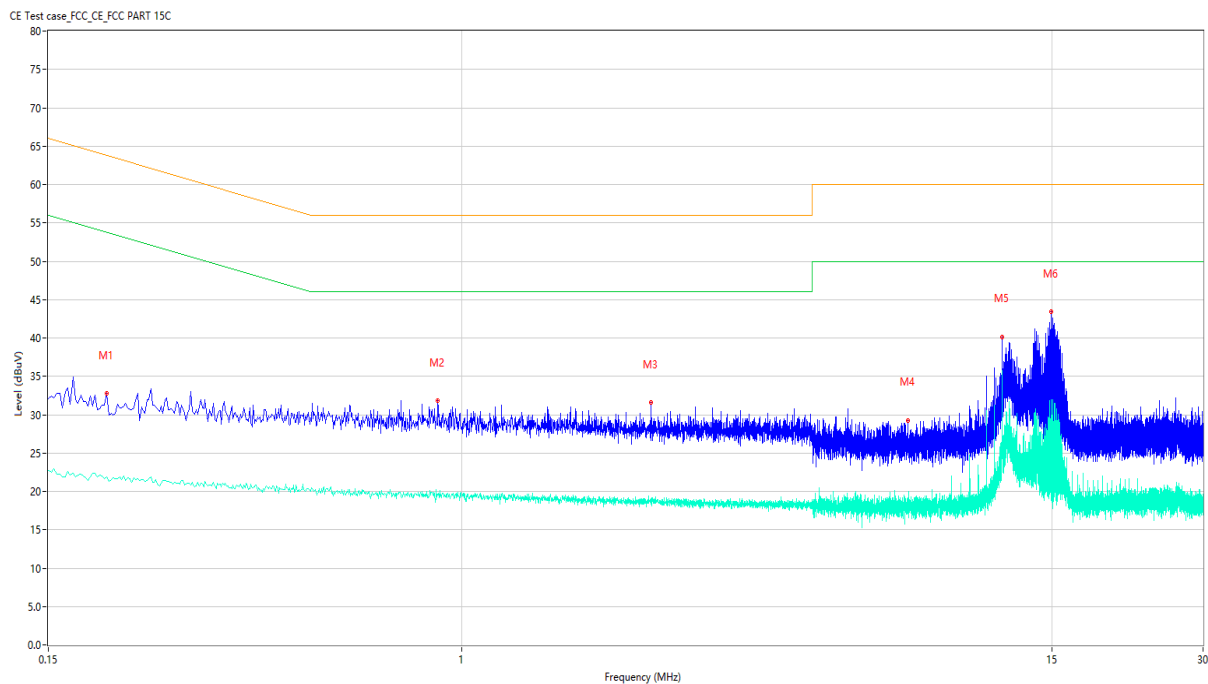
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

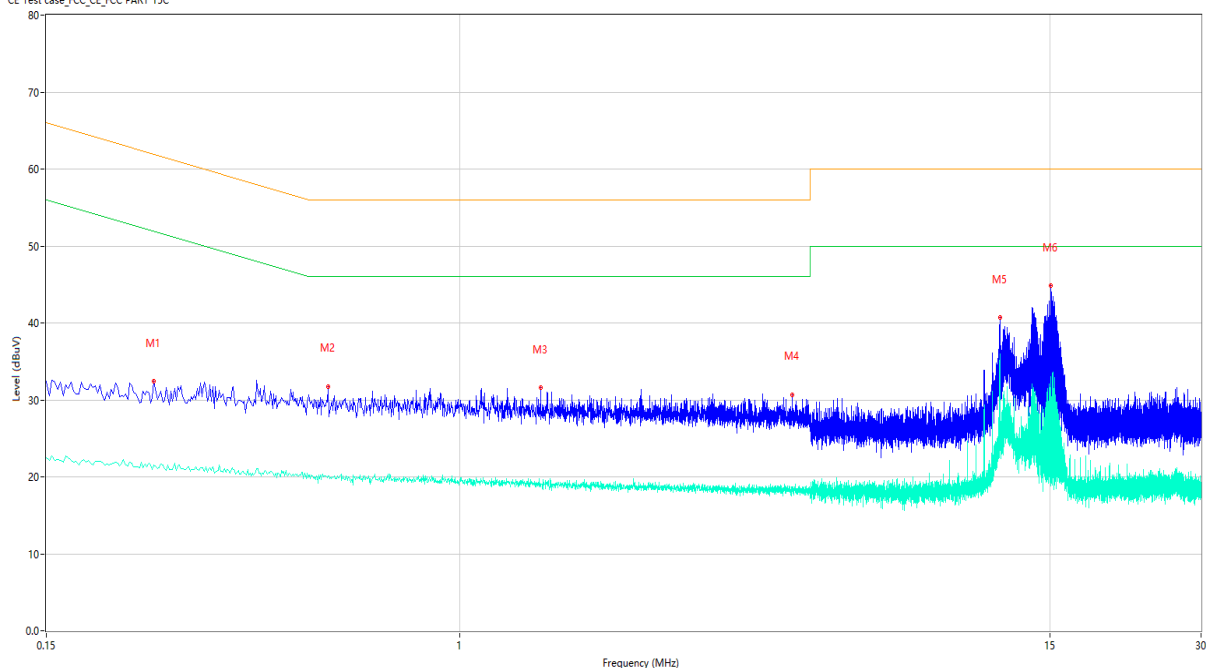
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.196	32.77	9.78	63.78	31.01	Peak	L	Pass
1**	0.196	21.94	9.78	53.78	31.84	AV	L	Pass
2	0.896	31.82	9.75	56.00	24.18	Peak	L	Pass
2**	0.896	19.69	9.75	46.00	26.31	AV	L	Pass
3	2.386	31.60	9.65	56.00	24.40	Peak	L	Pass
3**	2.386	18.49	9.65	46.00	27.51	AV	L	Pass
4	7.750	29.27	9.31	60.00	30.73	Peak	L	Pass
4**	7.750	17.15	9.31	50.00	32.85	AV	L	Pass
5	11.934	40.16	9.07	60.00	19.84	Peak	L	Pass
5**	11.934	35.30	9.07	50.00	14.70	AV	L	Pass
6	14.942	43.42	8.93	60.00	16.58	Peak	L	Pass
6**	14.942	31.90	8.93	50.00	18.10	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	0.246	32.38	9.77	61.89	29.51	Peak	N	Pass
1**	0.246	21.51	9.77	51.89	30.38	AV	N	Pass
2	0.546	31.76	9.76	56.00	24.24	Peak	N	Pass
2**	0.546	20.09	9.76	46.00	25.91	AV	N	Pass
3	1.450	31.57	9.73	56.00	24.43	Peak	N	Pass
3**	1.450	18.95	9.73	46.00	27.05	AV	N	Pass
4	4.600	30.70	9.59	56.00	25.30	Peak	N	Pass
4**	4.600	18.67	9.59	46.00	27.33	AV	N	Pass
5	11.918	40.67	9.07	60.00	19.33	Peak	N	Pass
5**	11.918	31.58	9.07	50.00	18.42	AV	N	Pass
6	15.042	44.85	8.92	60.00	15.15	Peak	N	Pass
6**	15.042	33.04	8.92	50.00	16.96	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.

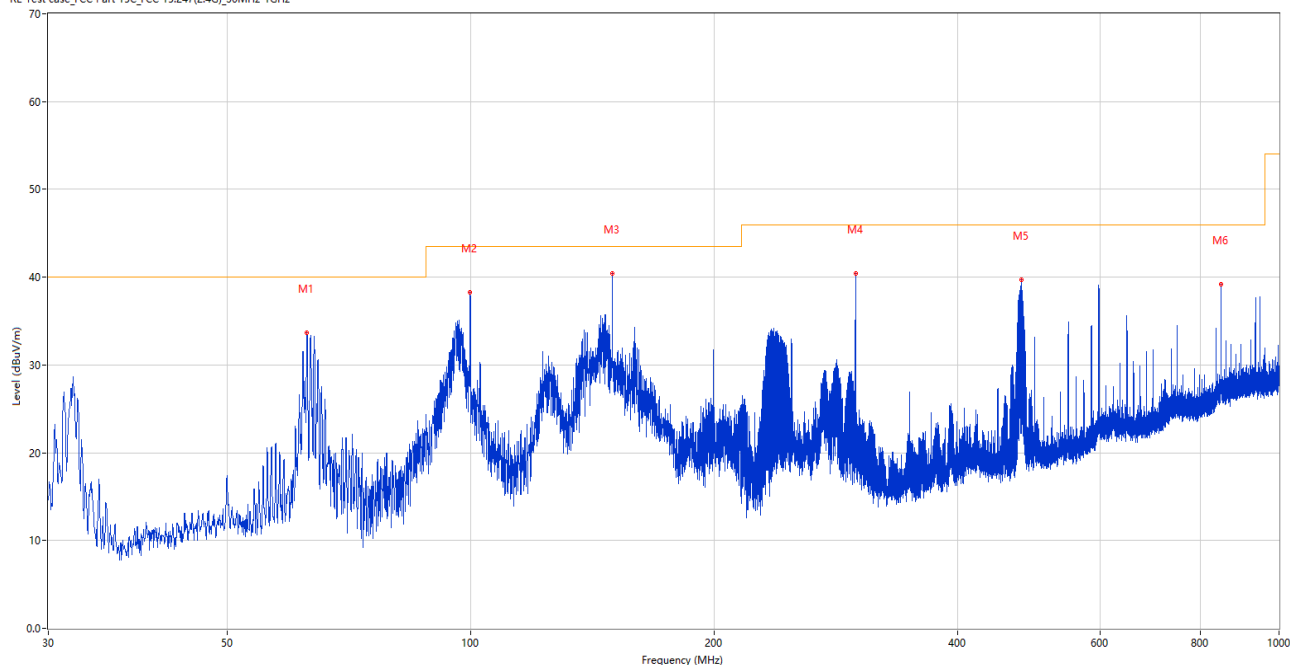
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

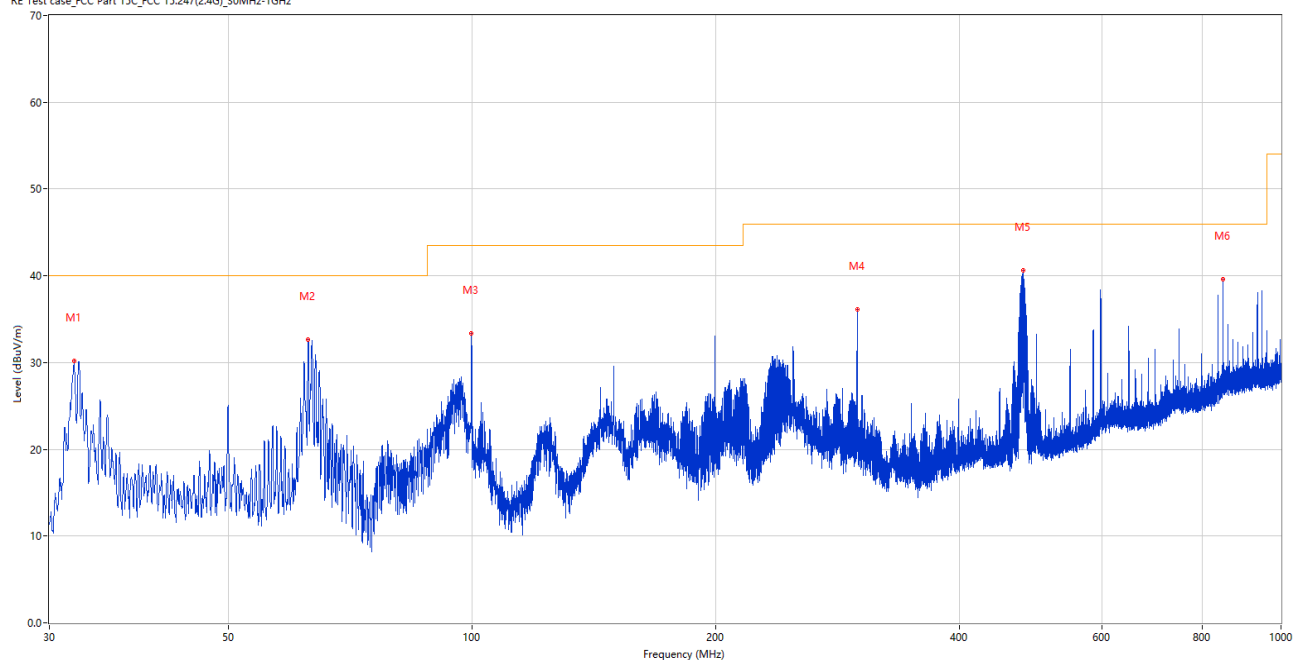
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.689	33.70	-26.70	40.0	6.30	Peak	143.00	150	Horizontal	Pass
2	99.743	38.29	-26.12	43.5	5.21	Peak	143.00	150	Horizontal	Pass
3	149.601	40.45	-29.59	43.5	3.05	Peak	252.00	150	Horizontal	Pass
4	299.272	40.39	-23.22	46.0	5.61	Peak	326.00	150	Horizontal	Pass
5	479.983	39.68	-18.70	46.0	6.32	Peak	300.00	150	Horizontal	Pass
6	847.807	39.20	-10.50	46.0	6.80	Peak	0.00	150	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	32.182	30.20	-28.71	40.0	9.80	Peak	199.00	200	Vertical	Pass
2	62.689	32.67	-26.70	40.0	7.33	Peak	199.00	200	Vertical	Pass
3	99.743	33.36	-26.12	43.5	10.14	Peak	206.00	150	Vertical	Pass
4	299.224	36.12	-23.21	46.0	9.88	Peak	331.00	150	Vertical	Pass
5	479.983	40.59	-18.70	46.0	5.41	Peak	343.00	150	Vertical	Pass
6	847.710	39.65	-10.51	46.0	6.35	Peak	182.00	150	Vertical	Pass

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

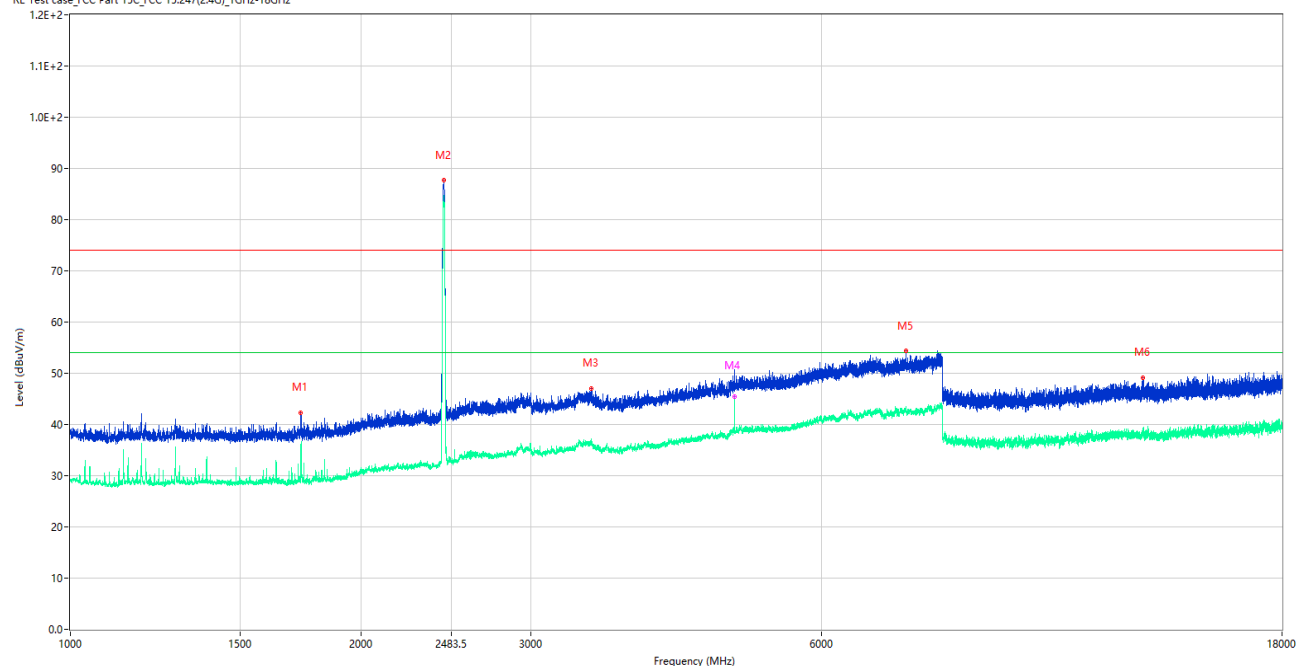
Note 2: The spurious above 18G is noise only, do not show on the report.

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

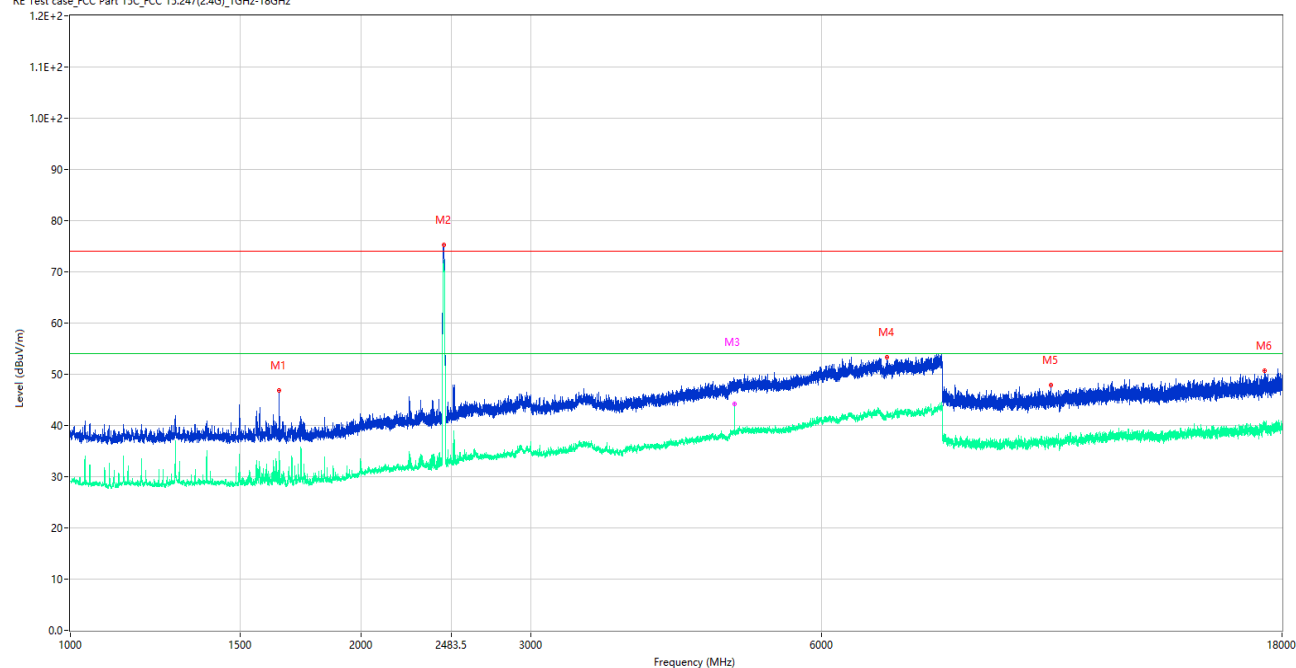
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1732.500	42.35	-16.23	74.0	31.65	Peak	47.00	150	Horizontal	Pass
1**	1732.500	31.03	-16.23	54.0	22.97	AV	47.00	150	Horizontal	Pass
2	2438.250	87.71	-12.38	74.0	-13.71	Peak	15.00	150	Horizontal	N/A
2**	2438.250	84.79	-12.38	54.0	-30.79	AV	15.00	150	Horizontal	N/A
3	3465.000	47.01	-5.10	74.0	26.99	Peak	161.00	150	Horizontal	Pass
3**	3465.000	37.08	-5.10	54.0	16.92	AV	161.00	150	Horizontal	Pass
4	4874.500	49.67	-2.25	74.0	24.33	Peak	72.00	150	Horizontal	Pass
4**	4874.500	45.52	-2.25	54.0	8.48	AV	72.00	150	Horizontal	Pass
5	7337.500	54.34	1.10	74.0	19.66	Peak	63.00	150	Horizontal	Pass
5**	7337.500	42.54	1.10	54.0	11.46	AV	63.00	150	Horizontal	Pass
6	12913.000	49.14	-2.74	74.0	24.86	Peak	155.00	150	Horizontal	Pass
6**	12913.000	38.60	-2.74	54.0	15.40	AV	155.00	150	Horizontal	Pass

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

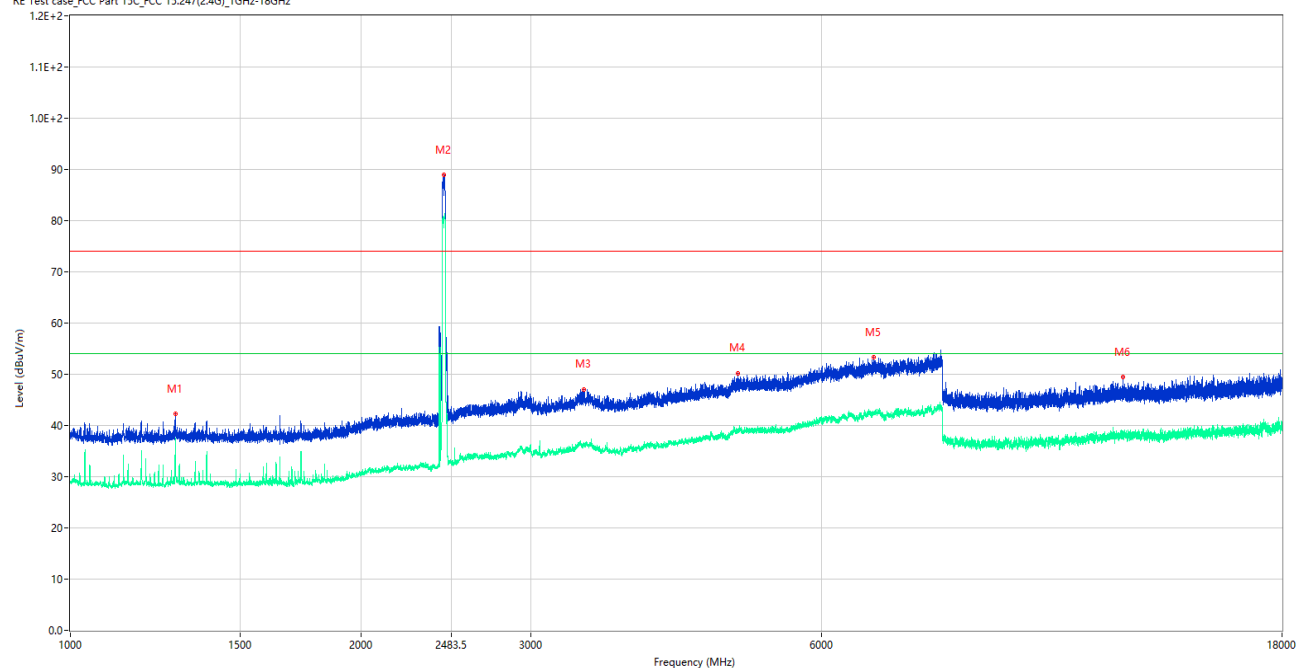
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1646.500	46.84	-16.29	74.0	27.16	Peak	282.00	150	Vertical	Pass
1**	1646.500	34.36	-16.29	54.0	19.64	AV	282.00	150	Vertical	Pass
2	2435.750	75.19	-12.32	74.0	-1.19	Peak	264.00	150	Vertical	N/A
2**	2435.750	72.06	-12.32	54.0	-18.06	AV	264.00	150	Vertical	N/A
3	4874.500	48.56	-2.25	74.0	25.44	Peak	59.00	150	Vertical	Pass
3**	4874.500	44.23	-2.25	54.0	9.77	AV	59.00	150	Vertical	Pass
4	7017.000	53.31	0.57	74.0	20.69	Peak	0.00	150	Vertical	Pass
4**	7017.000	42.59	0.57	54.0	11.41	AV	0.00	150	Vertical	Pass
5	10375.000	47.88	-3.40	74.0	26.12	Peak	360.00	150	Vertical	Pass
5**	10375.000	36.86	-3.40	54.0	17.14	AV	360.00	150	Vertical	Pass
6	17253.501	50.69	-0.85	74.0	23.31	Peak	150.00	150	Vertical	Pass
6**	17253.501	40.00	-0.85	54.0	14.00	AV	150.00	150	Vertical	Pass

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

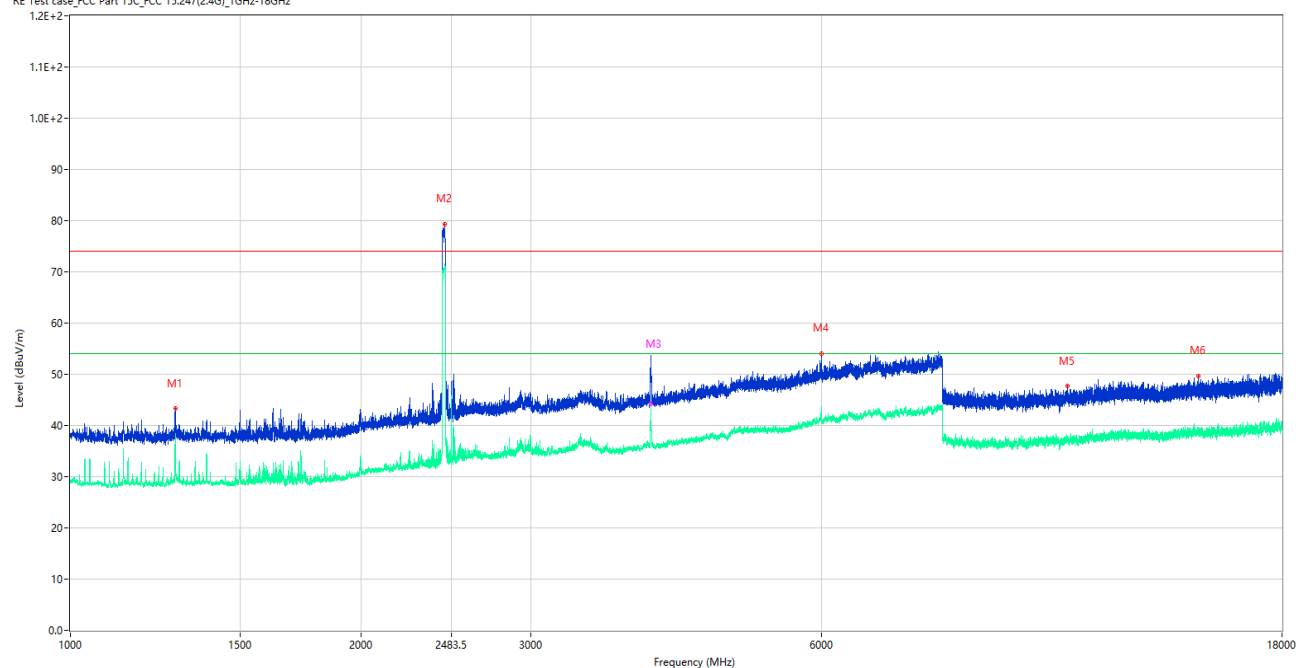
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.750	42.22	-15.92	74.0	31.78	Peak	102.00	150	Horizontal	Pass
1**	1284.750	37.04	-15.92	54.0	16.96	AV	102.00	150	Horizontal	Pass
2	2439.750	88.87	-12.37	74.0	-14.87	Peak	182.00	150	Horizontal	N/A
2**	2439.750	80.26	-12.37	54.0	-26.26	AV	182.00	150	Horizontal	N/A
3	3400.500	47.09	-5.65	74.0	26.91	Peak	239.00	150	Horizontal	Pass
3**	3400.500	36.23	-5.65	54.0	17.77	AV	239.00	150	Horizontal	Pass
4	4914.000	50.21	-2.36	74.0	23.79	Peak	359.00	150	Horizontal	Pass
4**	4914.000	39.18	-2.36	54.0	14.82	AV	359.00	150	Horizontal	Pass
5	6795.500	53.33	0.38	74.0	20.67	Peak	286.00	150	Horizontal	Pass
5**	6795.500	42.31	0.38	54.0	11.69	AV	286.00	150	Horizontal	Pass
6	12325.000	49.46	-2.14	74.0	24.54	Peak	0.00	150	Horizontal	Pass
6**	12325.000	38.80	-2.14	54.0	15.20	AV	0.00	150	Horizontal	Pass

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

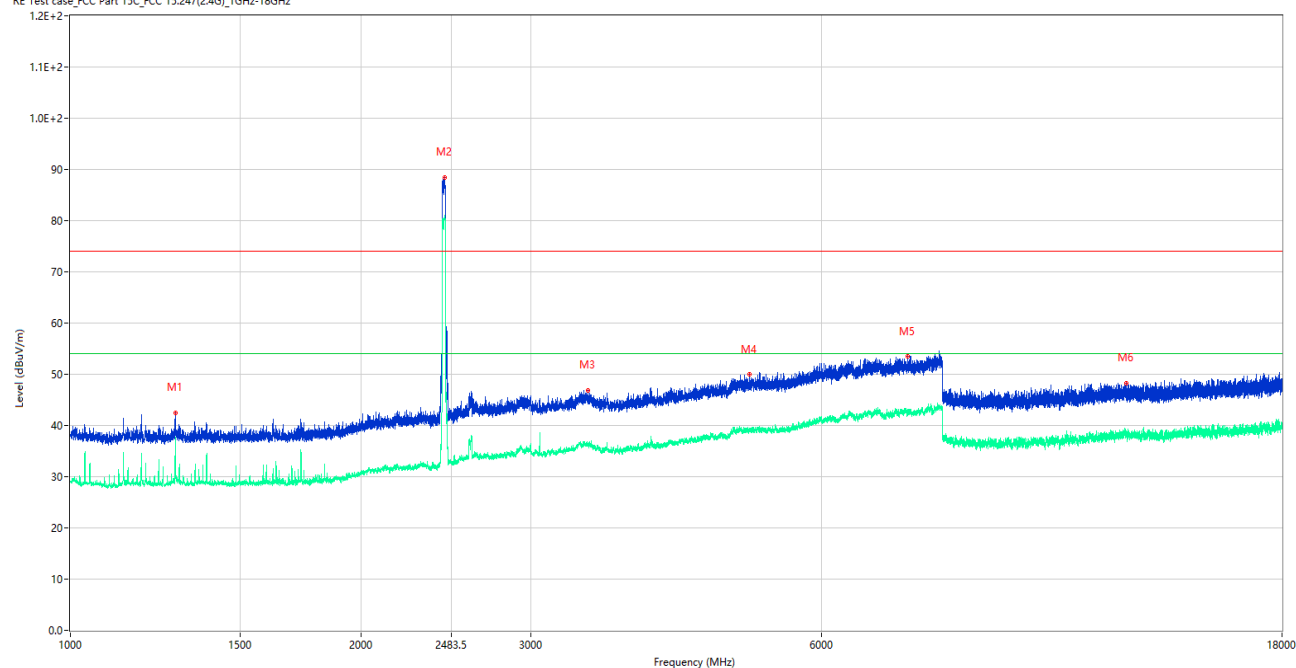
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.250	43.29	-15.93	74.0	30.71	Peak	241.00	150	Vertical	Pass
1**	1284.250	38.49	-15.93	54.0	15.51	AV	241.00	150	Vertical	Pass
2	2442.250	79.37	-12.44	74.0	-5.37	Peak	109.00	150	Vertical	N/A
2**	2442.250	71.35	-12.44	54.0	-17.35	AV	109.00	150	Vertical	N/A
3	3995.000	53.63	-4.82	74.0	20.37	Peak	27.00	150	Vertical	Pass
3**	3995.000	43.92	-4.82	54.0	10.08	AV	27.00	150	Vertical	Pass
4	5999.500	54.07	-0.13	74.0	19.93	Peak	209.00	150	Vertical	Pass
4**	5999.500	41.64	-0.13	54.0	12.36	AV	209.00	150	Vertical	Pass
5	10785.000	47.72	-3.04	74.0	26.28	Peak	214.00	150	Vertical	Pass
5**	10785.000	37.50	-3.04	54.0	16.50	AV	214.00	150	Vertical	Pass
6	14750.000	49.67	-1.72	74.0	24.33	Peak	40.00	150	Vertical	Pass
6**	14750.000	38.72	-1.72	54.0	15.28	AV	40.00	150	Vertical	Pass

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

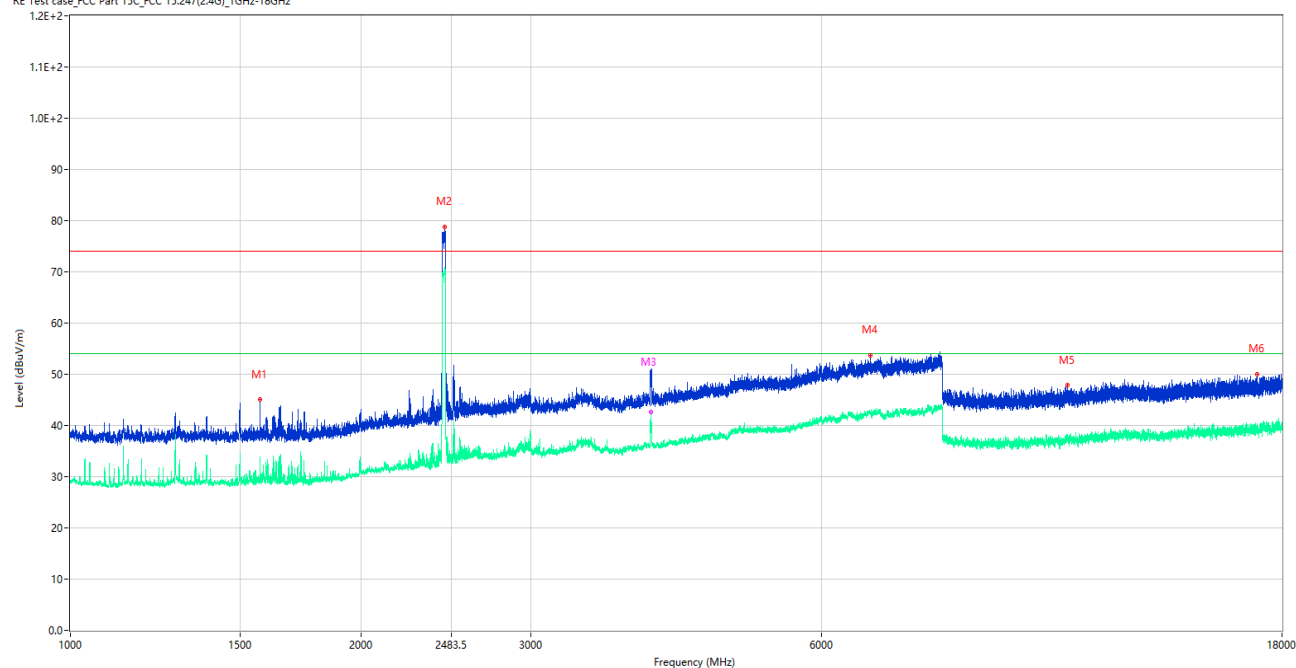
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.500	42.46	-15.92	74.0	31.54	Peak	101.00	150	Horizontal	Pass
1**	1284.500	37.81	-15.92	54.0	16.19	AV	101.00	150	Horizontal	Pass
2	2441.500	88.50	-12.41	74.0	-14.50	Peak	180.00	150	Horizontal	N/A
2**	2441.500	80.70	-12.41	54.0	-26.70	AV	180.00	150	Horizontal	N/A
3	3439.000	46.90	-5.29	74.0	27.10	Peak	71.00	150	Horizontal	Pass
3**	3439.000	36.18	-5.29	54.0	17.82	AV	71.00	150	Horizontal	Pass
4	5051.500	49.97	-2.46	74.0	24.03	Peak	360.00	150	Horizontal	Pass
4**	5051.500	39.03	-2.46	54.0	14.97	AV	360.00	150	Horizontal	Pass
5	7372.500	53.55	1.00	74.0	20.45	Peak	356.00	150	Horizontal	Pass
5**	7372.500	42.92	1.00	54.0	11.08	AV	356.00	150	Horizontal	Pass
6	12418.500	48.33	-2.05	74.0	25.67	Peak	359.00	150	Horizontal	Pass
6**	12418.500	38.61	-2.05	54.0	15.39	AV	359.00	150	Horizontal	Pass

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

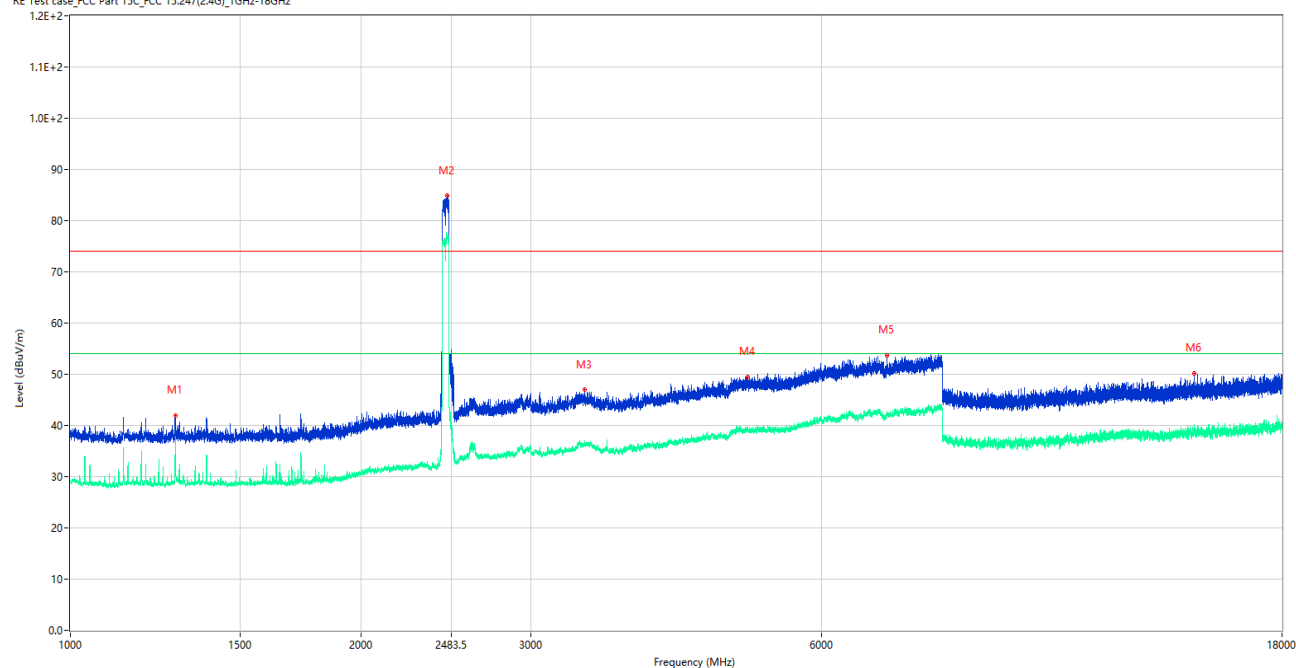
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.250	45.03	-16.05	74.0	28.97	Peak	37.00	150	Vertical	Pass
1**	1571.250	33.09	-16.05	54.0	20.91	AV	37.00	150	Vertical	Pass
2	2443.500	78.85	-12.47	74.0	-4.85	Peak	117.00	150	Vertical	N/A
2**	2443.500	70.82	-12.47	54.0	-16.82	AV	117.00	150	Vertical	N/A
3	3996.500	49.82	-4.81	74.0	24.18	Peak	198.00	150	Vertical	Pass
3**	3996.500	42.61	-4.81	54.0	11.39	AV	198.00	150	Vertical	Pass
4	6749.000	53.72	0.70	74.0	20.28	Peak	289.00	150	Vertical	Pass
4**	6749.000	42.13	0.70	54.0	11.87	AV	289.00	150	Vertical	Pass
5	10795.500	47.82	-3.28	74.0	26.18	Peak	93.00	150	Vertical	Pass
5**	10795.500	37.24	-3.28	54.0	16.76	AV	93.00	150	Vertical	Pass
6	16977.000	50.09	-1.16	74.0	23.91	Peak	360.00	150	Vertical	Pass
6**	16977.000	40.01	-1.16	54.0	13.99	AV	360.00	150	Vertical	Pass

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

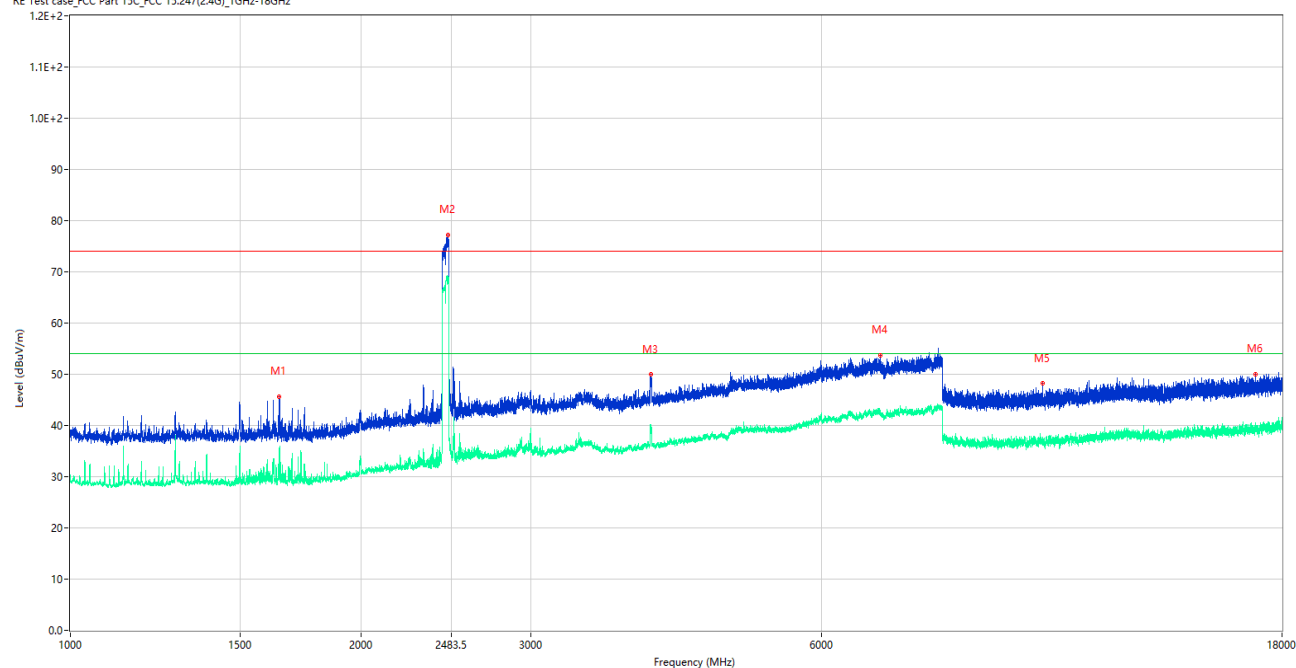
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.250	41.97	-15.93	74.0	32.03	Peak	99.00	150	Horizontal	Pass
1**	1284.250	36.84	-15.93	54.0	17.16	AV	99.00	150	Horizontal	Pass
2	2454.750	84.85	-12.41	74.0	-10.85	Peak	178.00	150	Horizontal	N/A
2**	2454.750	76.62	-12.41	54.0	-22.62	AV	178.00	150	Horizontal	N/A
3	3409.000	46.99	-5.35	74.0	27.01	Peak	355.00	150	Horizontal	Pass
3**	3409.000	36.62	-5.35	54.0	17.38	AV	355.00	150	Horizontal	Pass
4	5030.500	49.55	-2.12	74.0	24.45	Peak	345.00	150	Horizontal	Pass
4**	5030.500	39.04	-2.12	54.0	14.96	AV	345.00	150	Horizontal	Pass
5	7012.000	53.73	0.61	74.0	20.27	Peak	70.00	150	Horizontal	Pass
5**	7012.000	42.49	0.61	54.0	11.51	AV	70.00	150	Horizontal	Pass
6	14596.000	50.21	-2.19	74.0	23.79	Peak	1.00	150	Horizontal	Pass
6**	14596.000	39.23	-2.19	54.0	14.77	AV	1.00	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	1645.500	45.67	-16.28	74.0	28.33	Peak	255.00	150	Vertical	Pass
1**	1645.500	33.30	-16.28	54.0	20.70	AV	255.00	150	Vertical	Pass
2	2463.250	77.25	-11.73	74.0	-3.25	Peak	355.00	150	Vertical	N/A
2**	2463.250	68.73	-11.73	54.0	-14.73	AV	355.00	150	Vertical	N/A
3	3991.000	49.91	-4.82	74.0	24.09	Peak	24.00	150	Vertical	Pass
3**	3991.000	39.67	-4.82	54.0	14.33	AV	24.00	150	Vertical	Pass
4	6905.000	53.76	0.27	74.0	20.24	Peak	233.00	150	Vertical	Pass
4**	6905.000	42.34	0.27	54.0	11.66	AV	233.00	150	Vertical	Pass
5	10165.500	48.19	-3.72	74.0	25.81	Peak	0.00	150	Vertical	Pass
5**	10165.500	36.55	-3.72	54.0	17.45	AV	0.00	150	Vertical	Pass
6	16896.000	50.05	-0.49	74.0	23.95	Peak	329.00	150	Vertical	Pass
6**	16896.000	40.28	-0.49	54.0	13.72	AV	329.00	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.

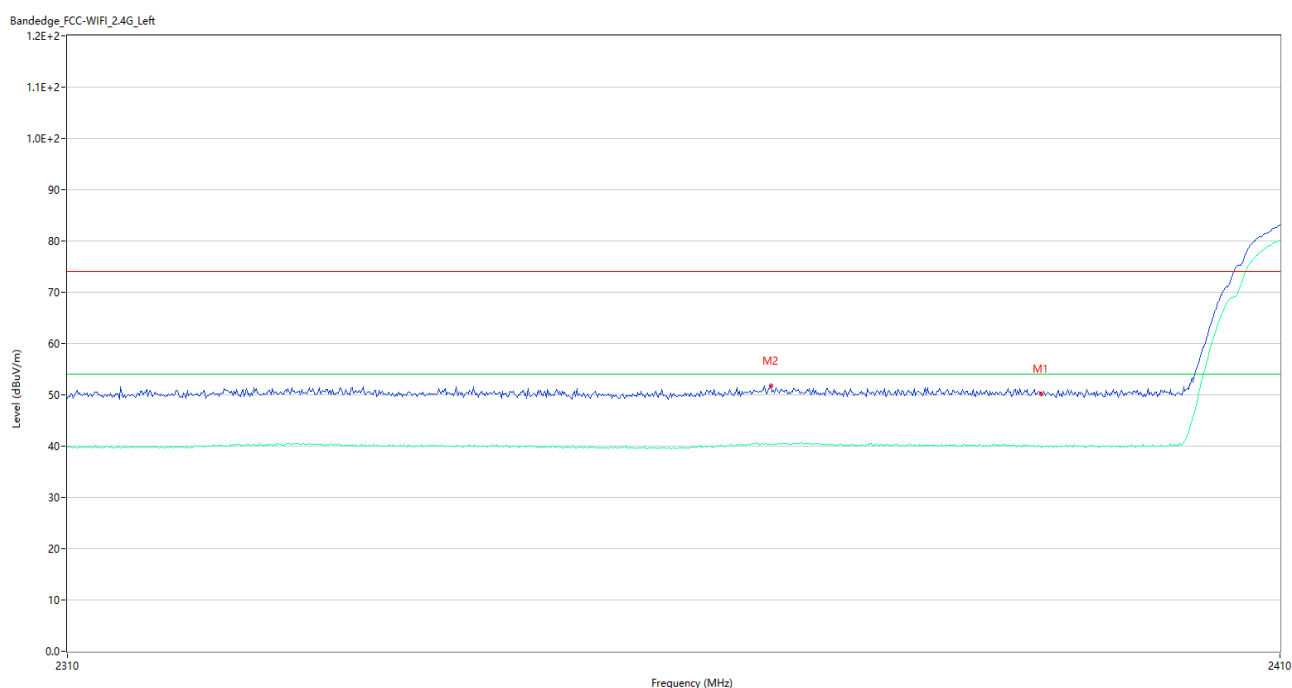
Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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

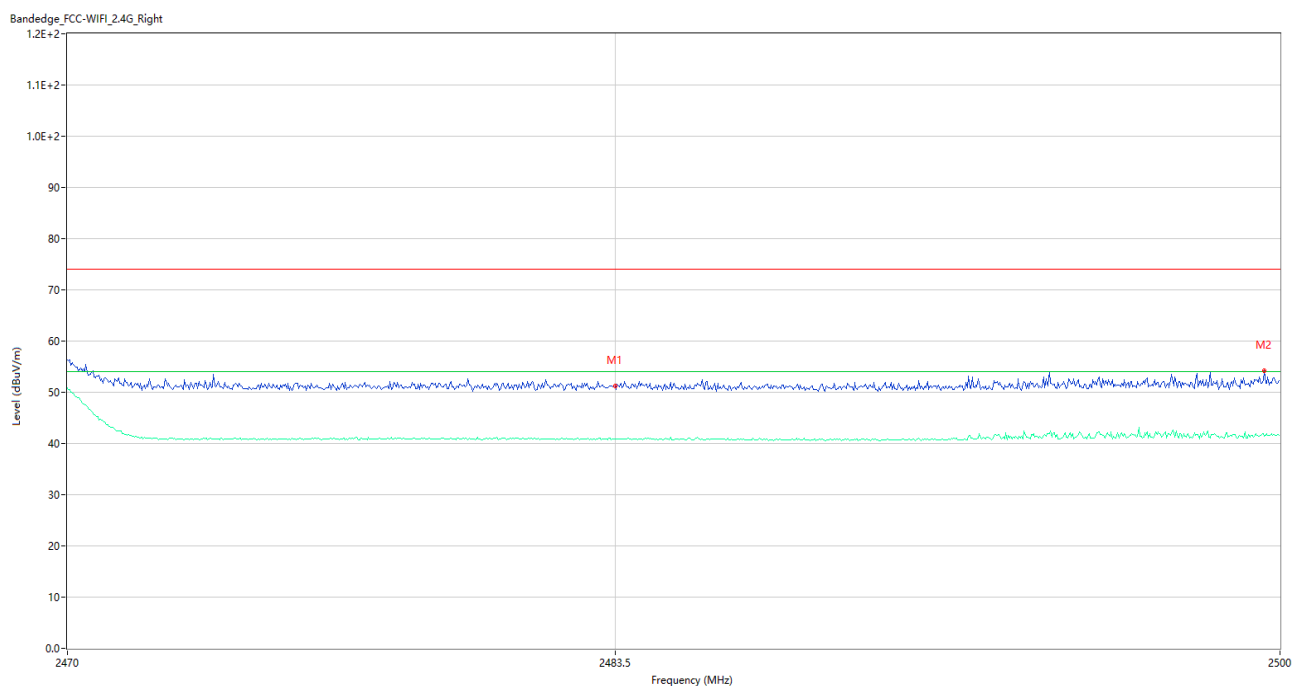
Test Data and Plots

802.11b LOW CHANNEL



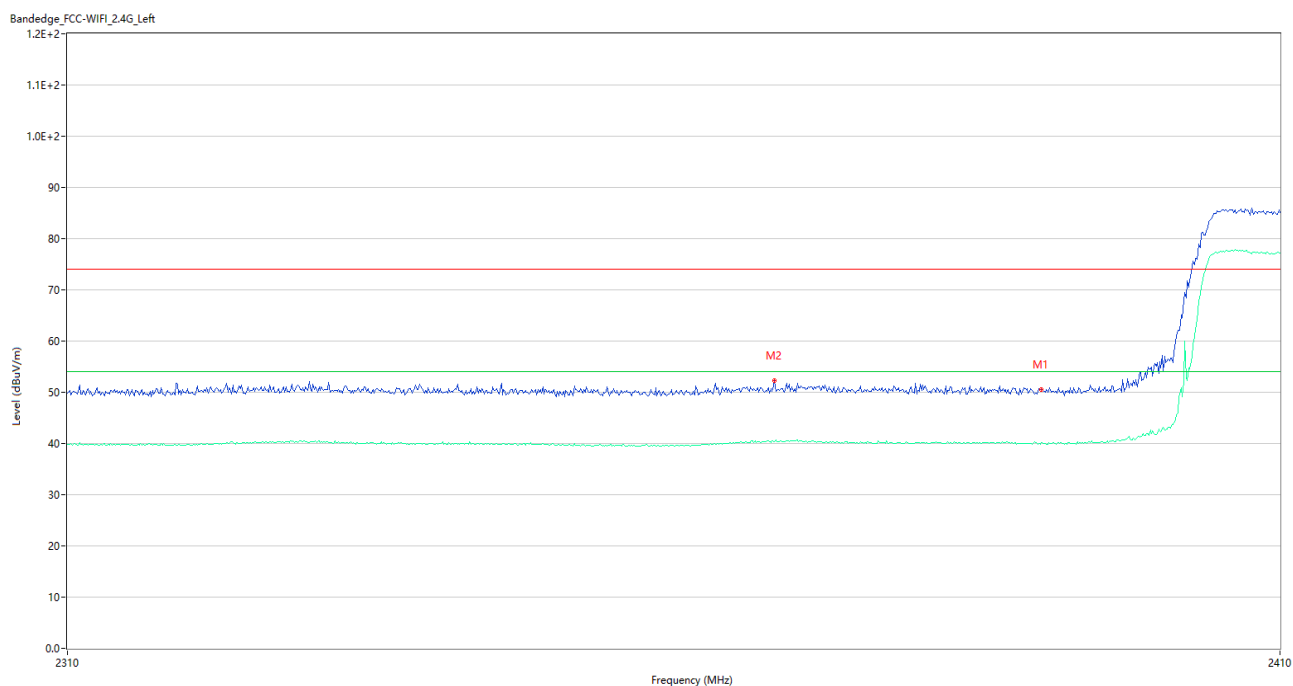
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.12	-4.87	74.0	23.88	Peak	17.13	150	Horizontal	Pass
1**	2390.000	39.85	-4.87	54.0	14.15	AV	17.13	150	Horizontal	Pass
2	2367.500	51.82	-4.28	74.0	22.18	Peak	360.00	150	Horizontal	Pass
2**	2367.500	40.37	-4.28	54.0	13.63	AV	360.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



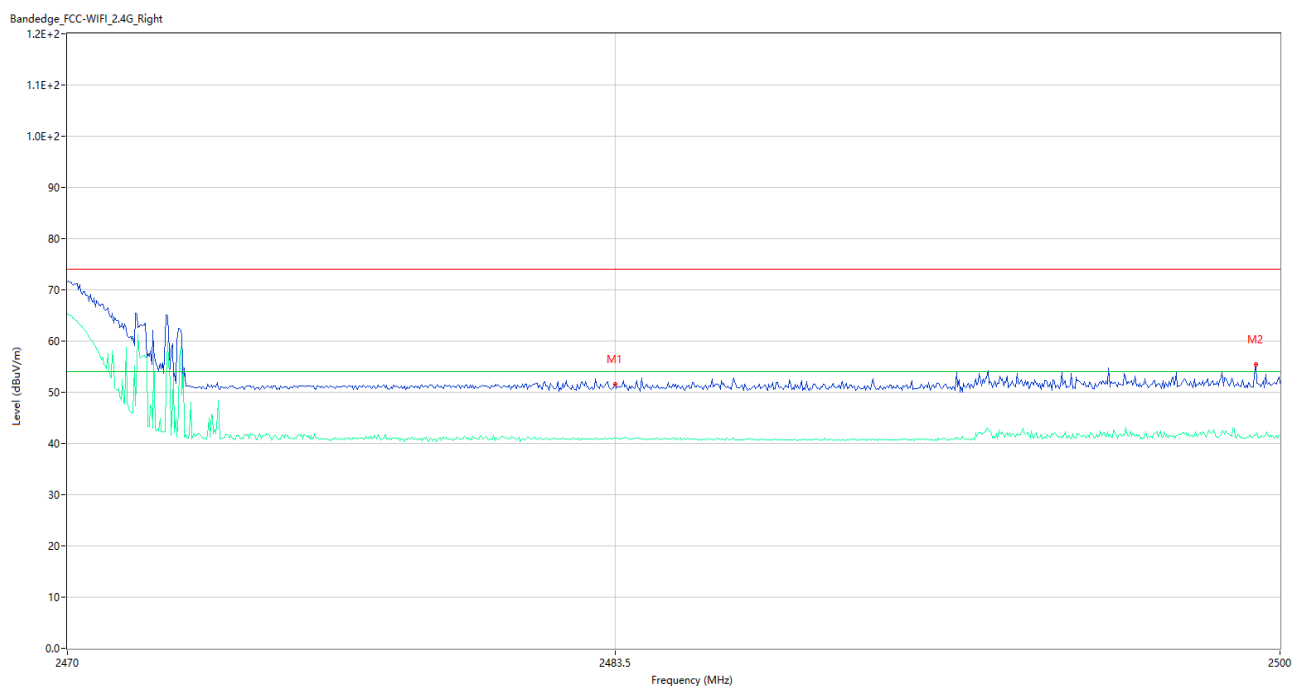
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.14	-3.78	74.0	22.86	Peak	339.00	150	Vertical	Pass
1**	2483.500	40.85	-3.78	54.0	13.15	AV	339.00	150	Vertical	Pass
2	2499.610	54.18	-3.99	74.0	19.82	Peak	360.00	150	Vertical	Pass
2**	2499.610	41.40	-3.99	54.0	12.60	AV	360.00	150	Vertical	Pass

802.11g LOW CHANNEL



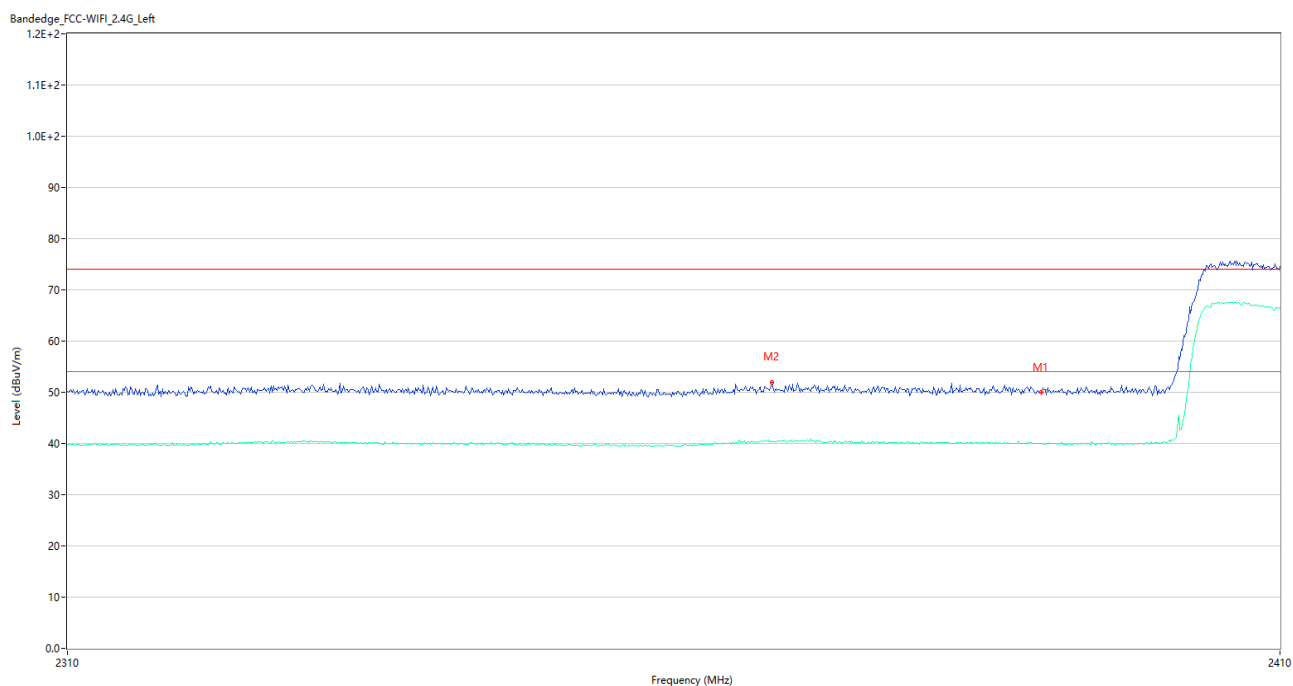
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.46	-4.87	74.0	23.54	Peak	277.76	150	Horizontal	Pass
1**	2390.000	40.14	-4.87	54.0	13.86	AV	277.76	150	Horizontal	Pass
2	2367.800	52.26	-4.25	74.0	21.74	Peak	0.00	150	Horizontal	Pass
2**	2367.800	40.34	-4.25	54.0	13.66	AV	0.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



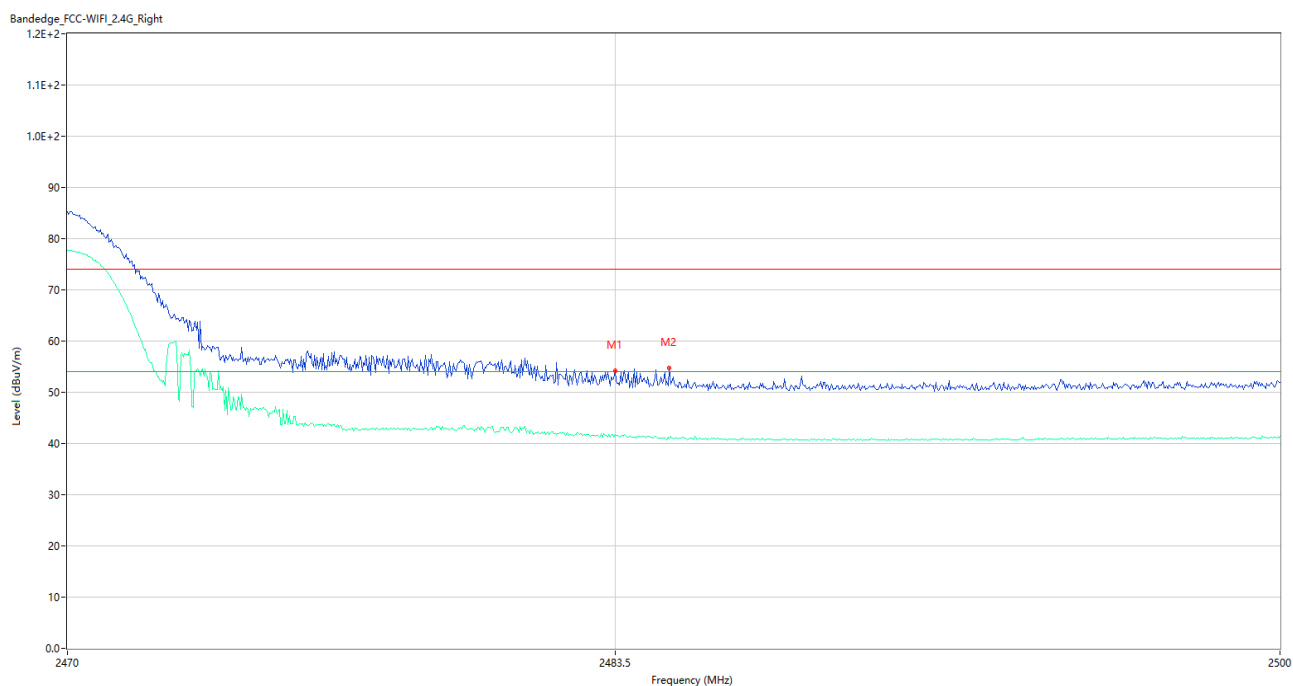
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.56	-3.78	74.0	22.44	Peak	267.00	150	Vertical	Pass
1**	2483.500	41.02	-3.78	54.0	12.98	AV	267.00	150	Vertical	Pass
2	2499.400	55.36	-3.98	74.0	18.64	Peak	360.00	150	Vertical	Pass
2**	2499.400	41.61	-3.98	54.0	12.39	AV	360.00	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	49.93	-4.87	74.0	24.07	Peak	15.43	150	Vertical	Pass
1**	2390.000	39.92	-4.87	54.0	14.08	AV	15.43	150	Vertical	Pass
2	2367.600	51.88	-4.27	74.0	22.12	Peak	106.00	150	Vertical	Pass
2**	2367.600	40.38	-4.27	54.0	13.62	AV	106.00	150	Vertical	Pass

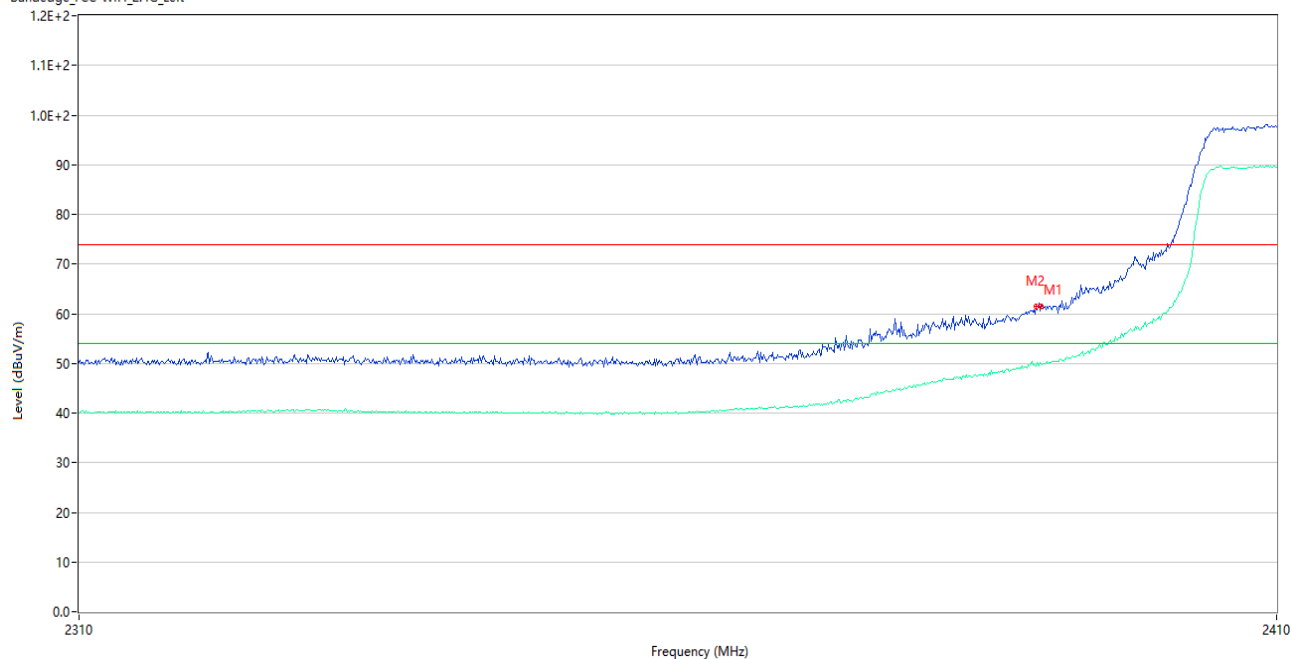
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.26	-3.78	74.0	19.74	Peak	181.00	150	Horizontal	Pass
1**	2483.500	41.68	-3.78	54.0	12.32	AV	181.00	150	Horizontal	Pass
2	2484.850	54.67	-3.78	74.0	19.33	Peak	187.00	150	Horizontal	Pass
2**	2484.850	40.96	-3.78	54.0	13.04	AV	187.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL

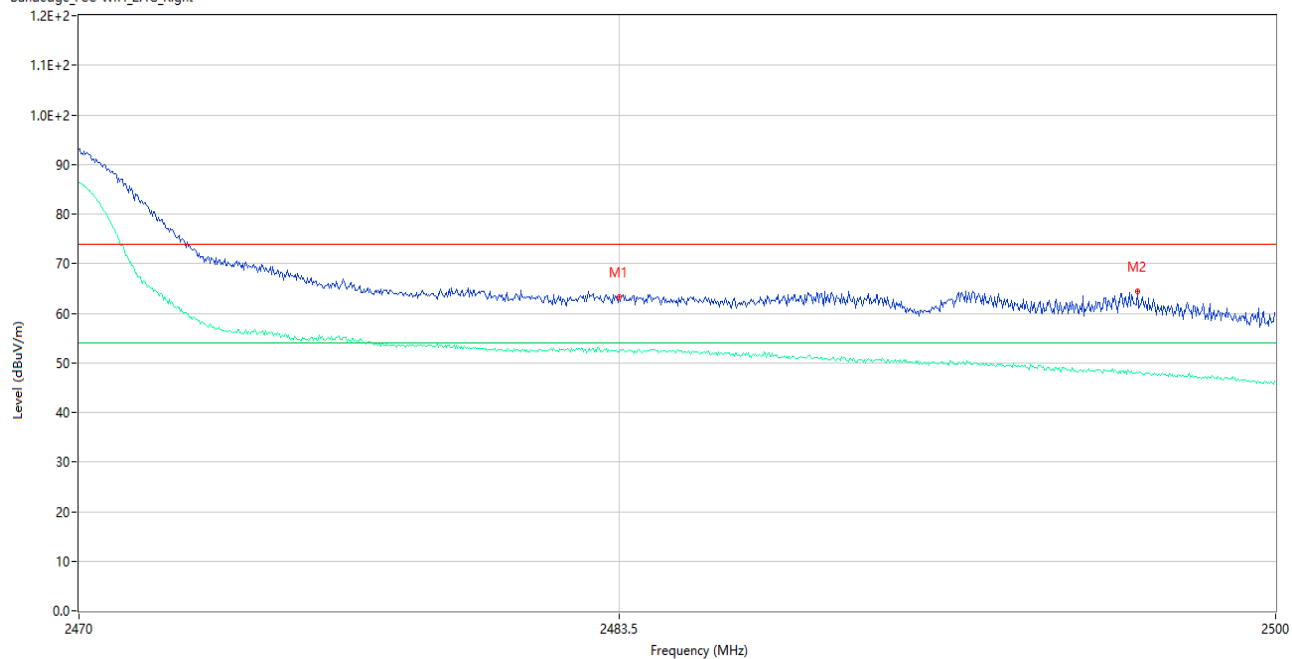
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	61.44	-4.87	74.0	12.56	Peak	20.43	150	Horizontal	Pass
1**	2390.000	49.85	-4.87	54.0	4.15	AV	20.43	150	Horizontal	Pass
2	2389.600	61.41	-4.85	74.0	12.59	Peak	360.00	150	Horizontal	Pass
2**	2389.600	49.54	-4.85	54.0	4.46	AV	360.00	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	63.21	-3.78	74.0	10.79	Peak	5.00	150	Horizontal	Pass
1**	2483.500	52.13	-3.78	54.0	1.87	AV	5.00	150	Horizontal	Pass
2	2496.520	64.44	-3.95	74.0	9.56	Peak	11.00	150	Horizontal	Pass
2**	2496.520	48.00	-3.95	54.0	6.00	AV	11.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.22	8
Middle	-14.19	8
High	-14.64	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.23	8
Middle	-16.50	8
High	-16.23	8

802.11n-20 MHz Mode:

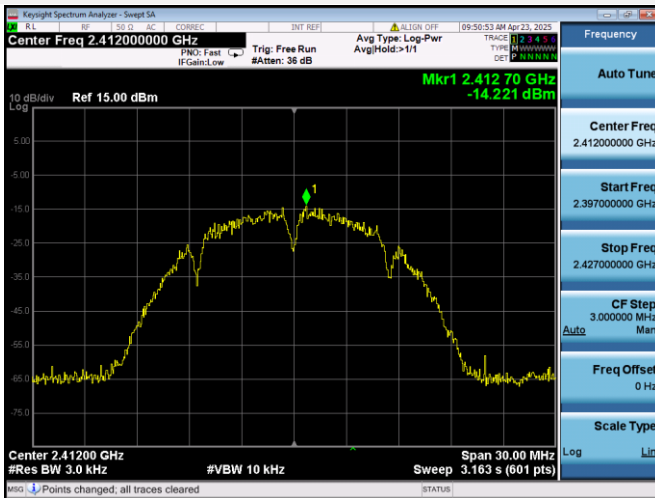
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.04	8
Middle	-16.91	8
High	-16.61	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.28	8
Middle	-20.25	8
High	-20.33	8

Test Plots

802.11b LOW CHANNEL



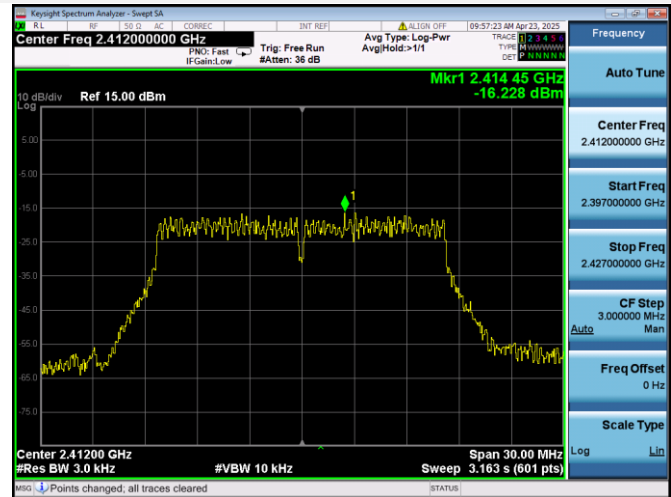
802.11b MIDDLE CHANNEL



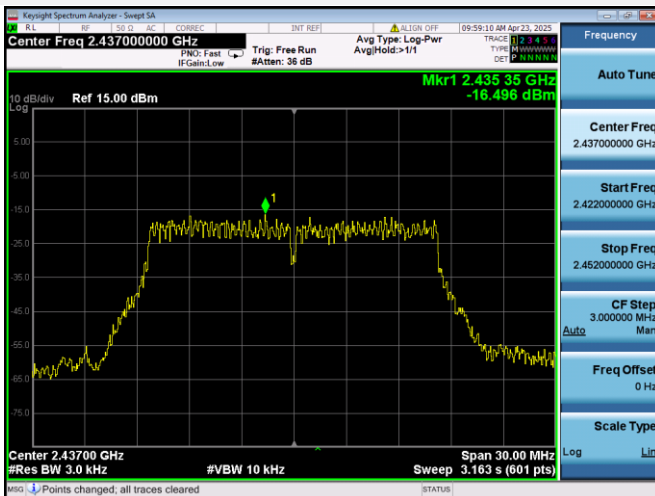
802.11b HIGH CHANNEL



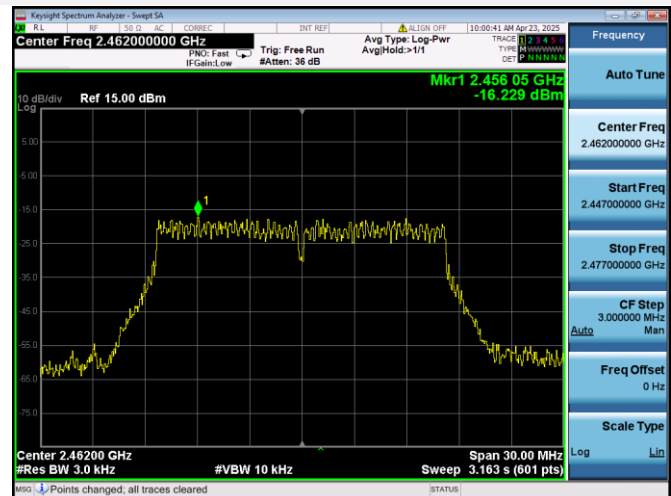
802.11g LOW CHANNEL



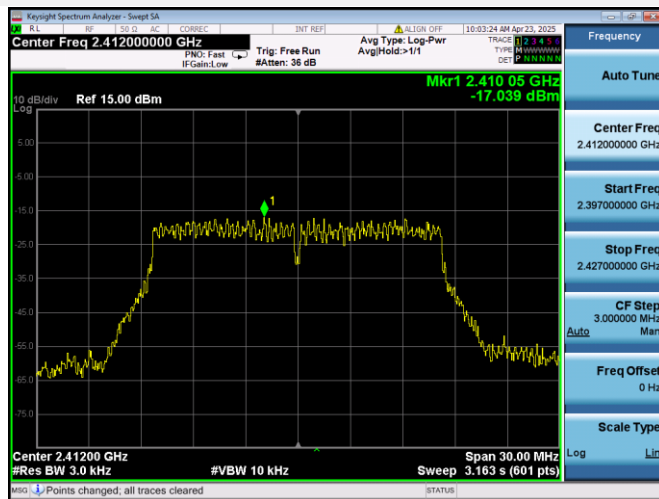
802.11g MIDDLE CHANNEL



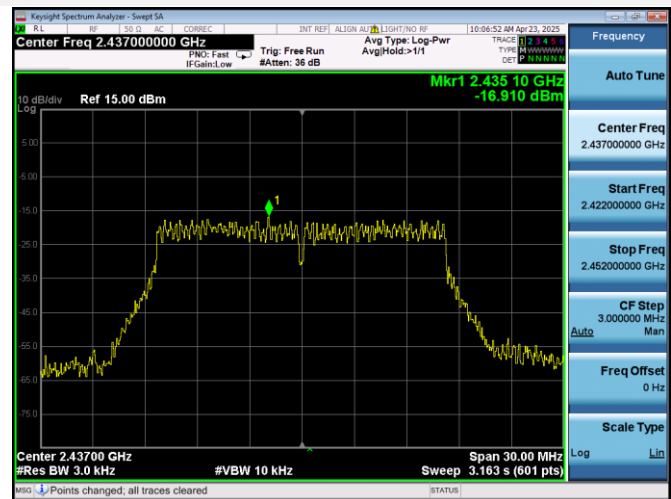
802.11g HIGH CHANNEL



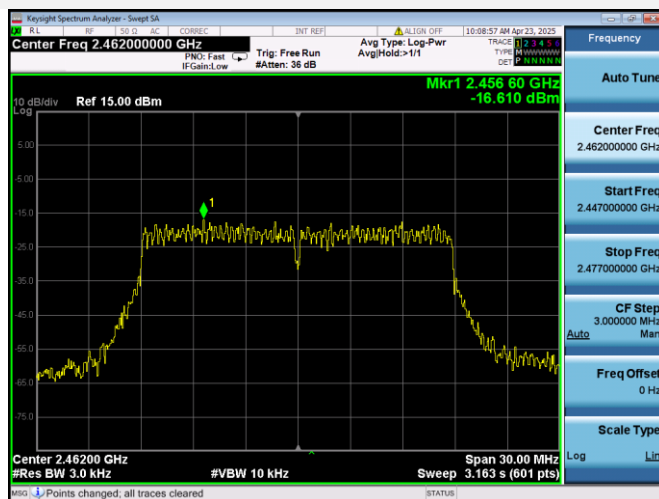
802.11n-20 MHz LOW CHANNEL



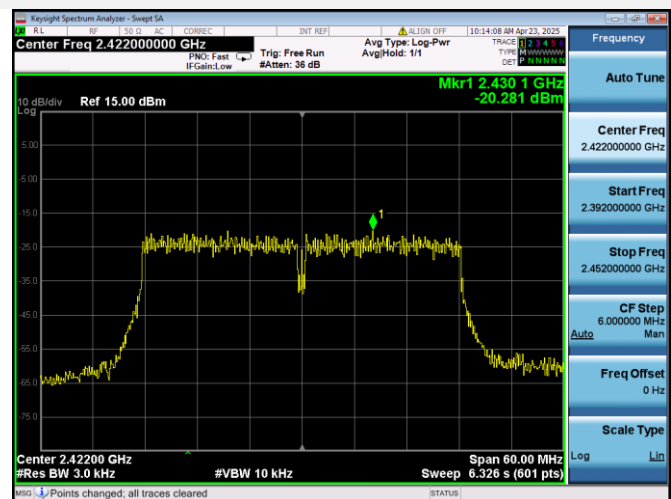
802.11n-20 MHz MIDDLE CHANNEL



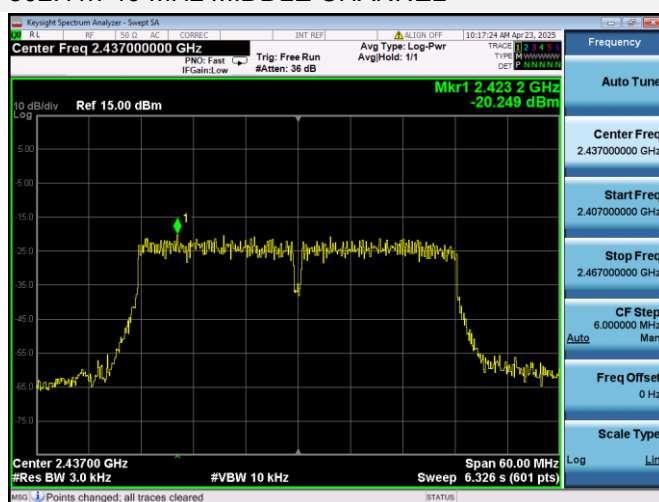
802.11n-20 MHz HIGH CHANNEL



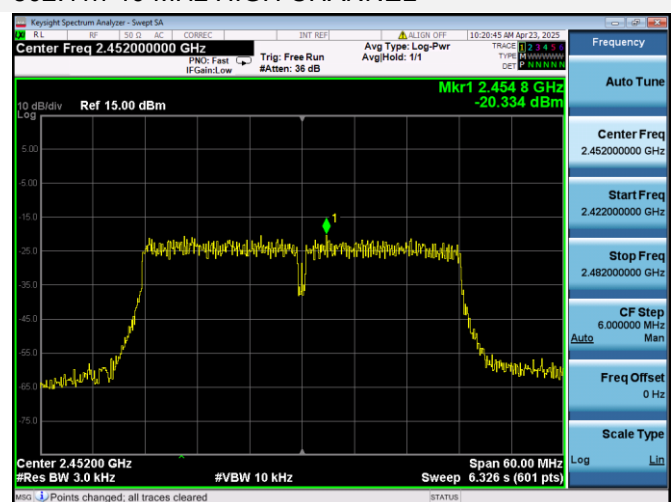
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2530661-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2530661-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2530661-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.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
5. This report shall not be partially reproduced without the written permission of the Testing Center.
6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--