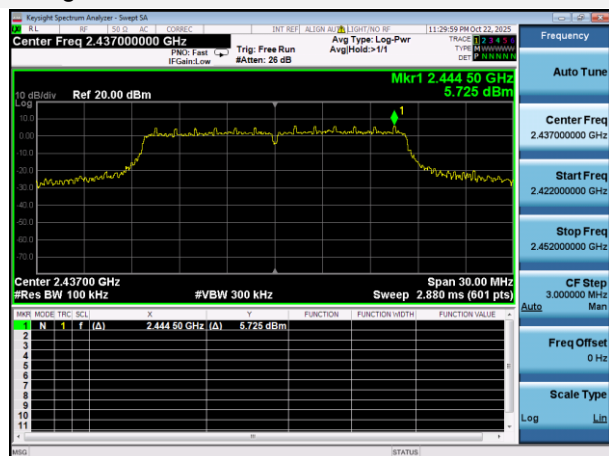
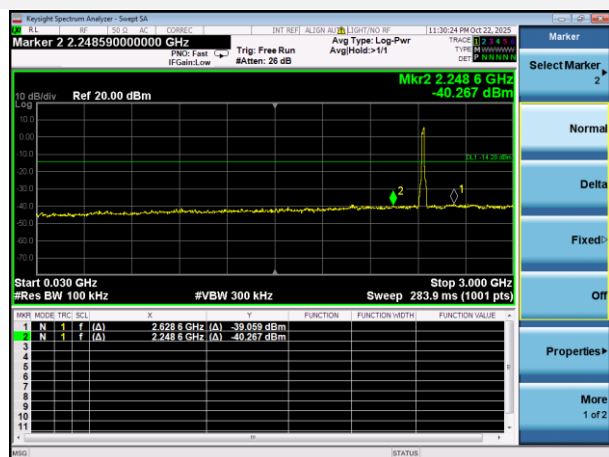
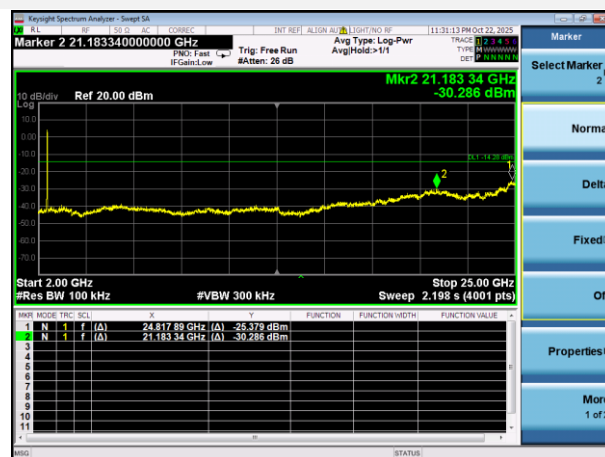
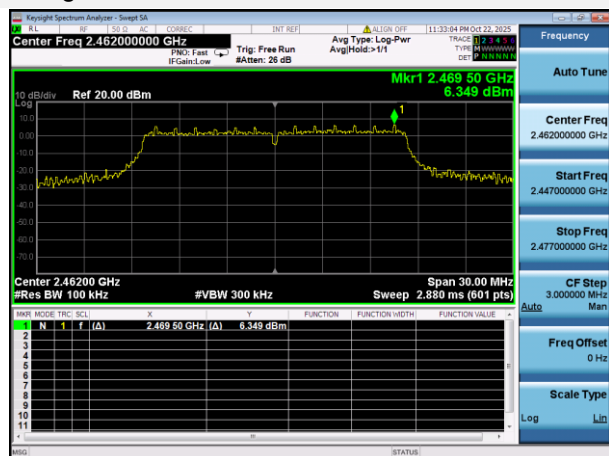
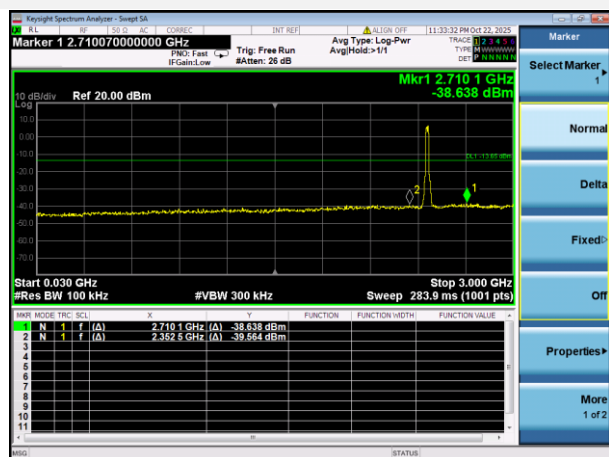
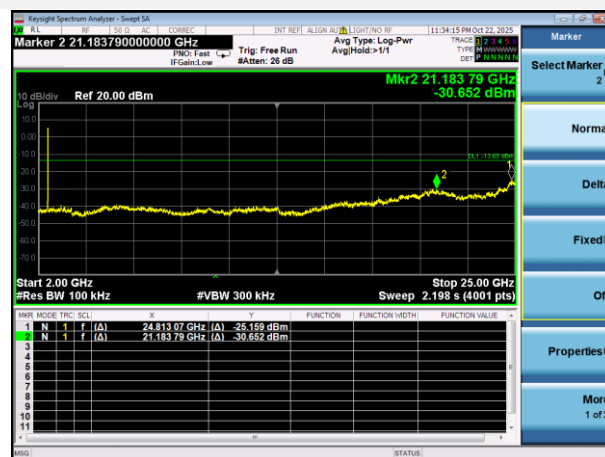


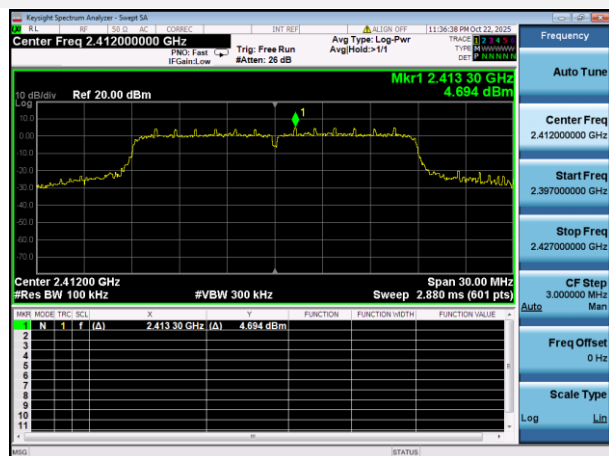
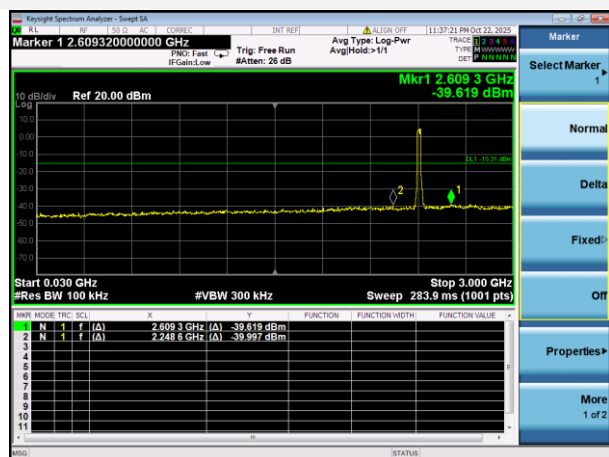
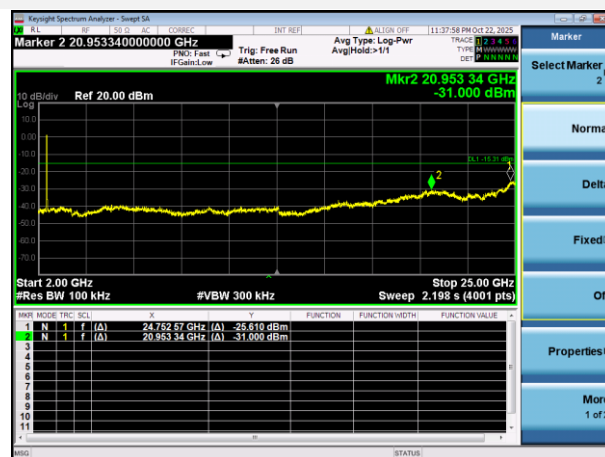
802.11g MIDDLE CHANNEL CARRIER LEVEL

802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

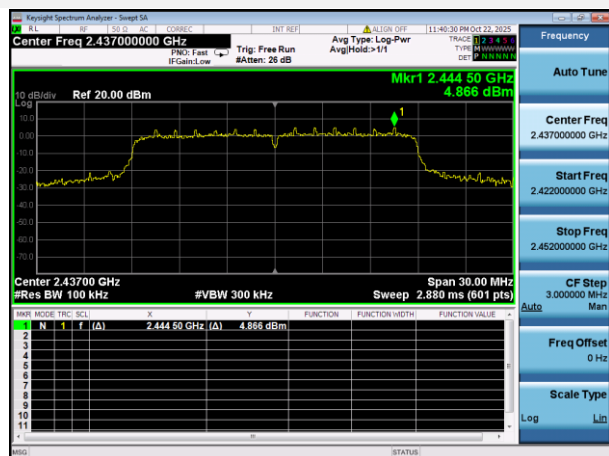
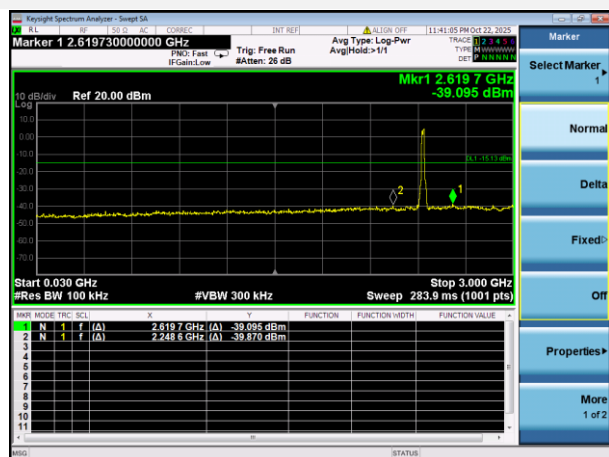
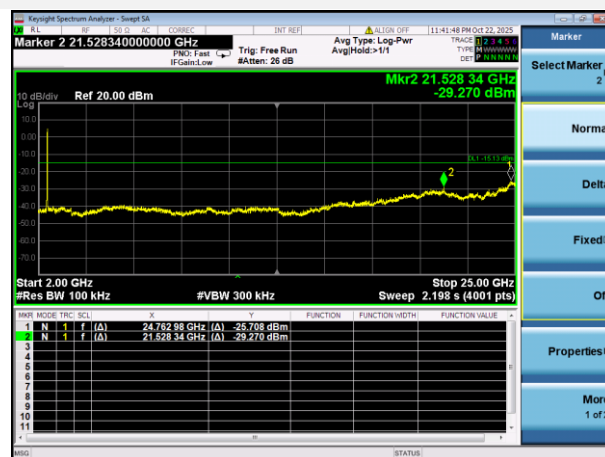
802.11g HIGH CHANNEL CARRIER LEVEL

802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

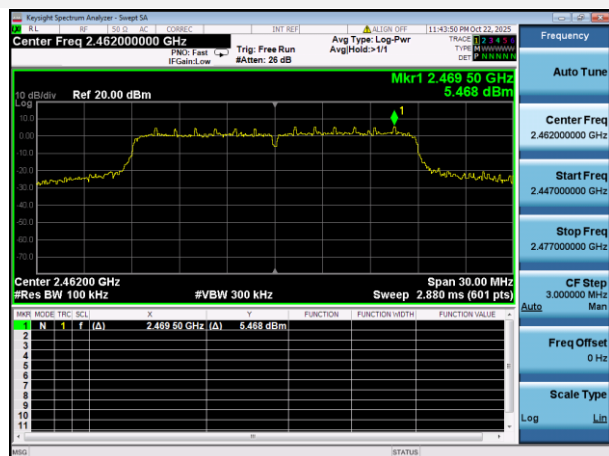
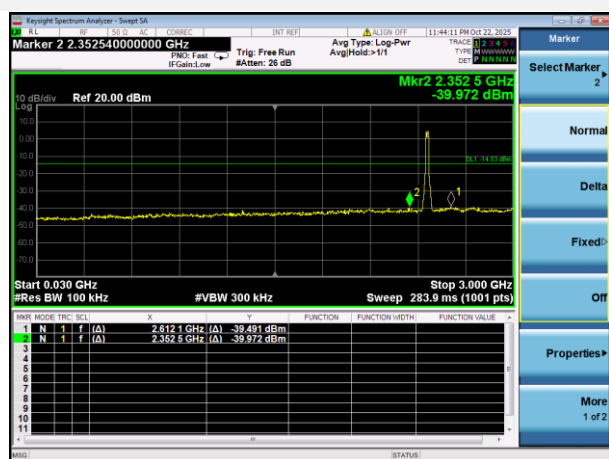
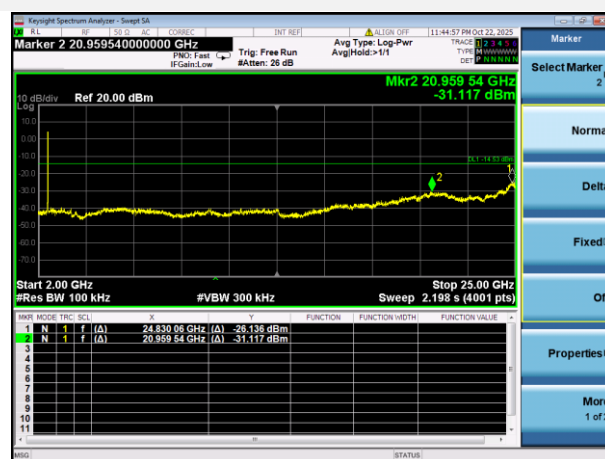
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

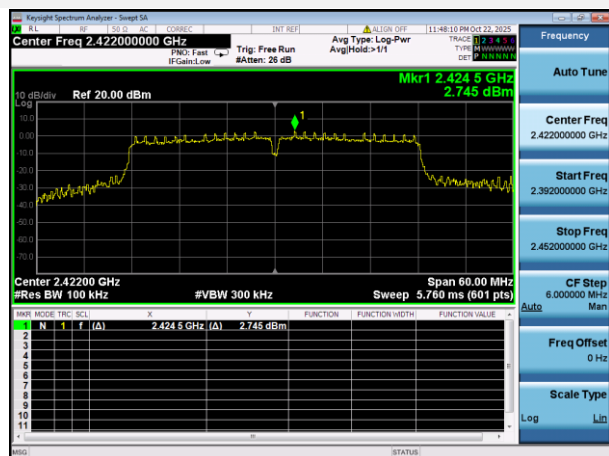
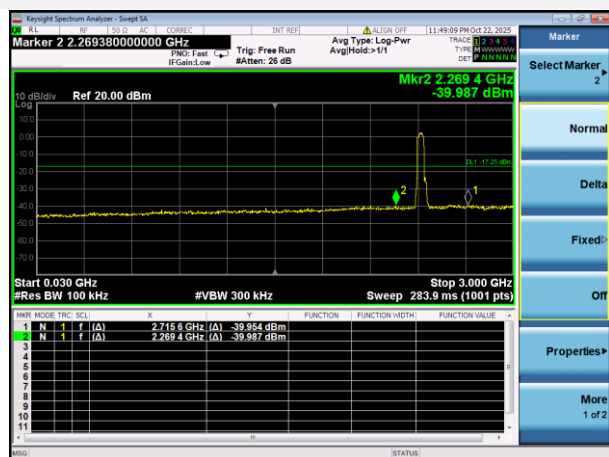
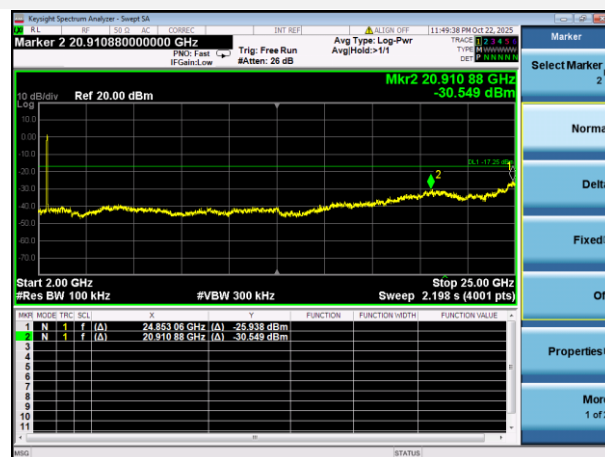
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL

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

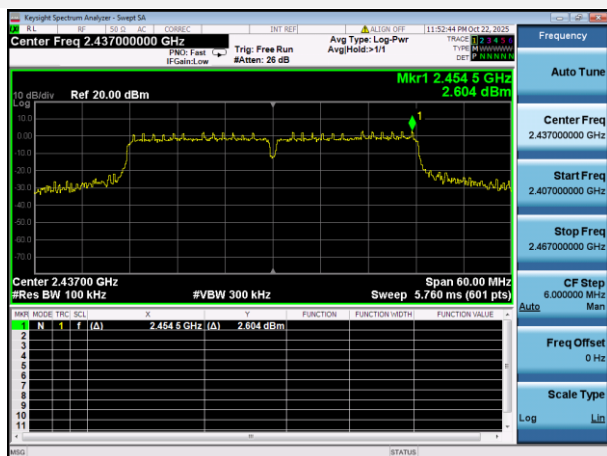
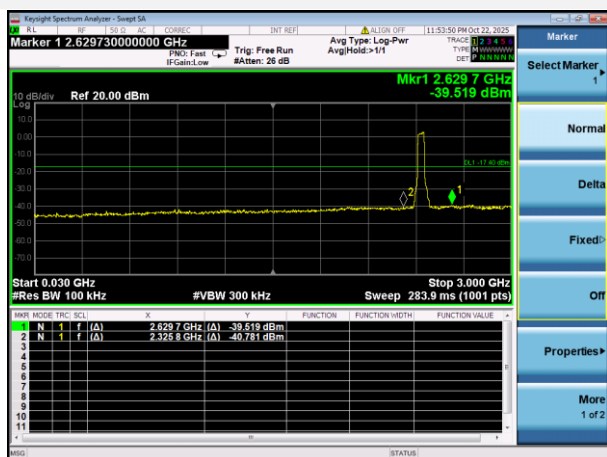
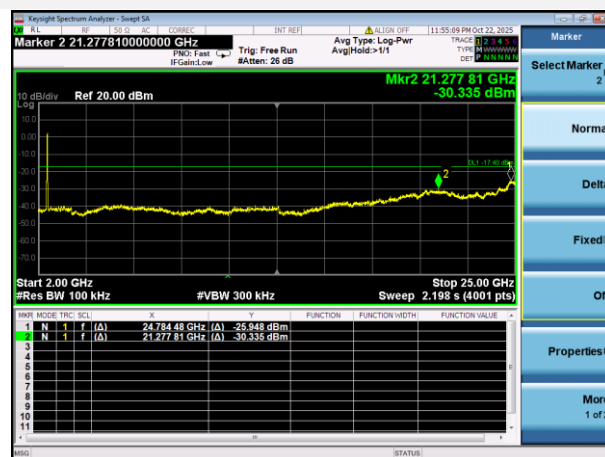
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

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

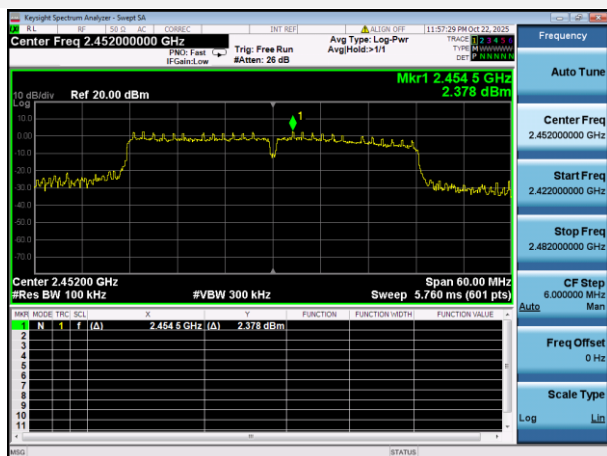
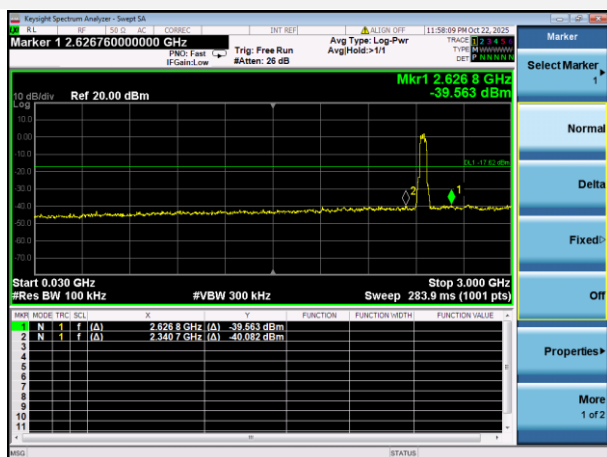
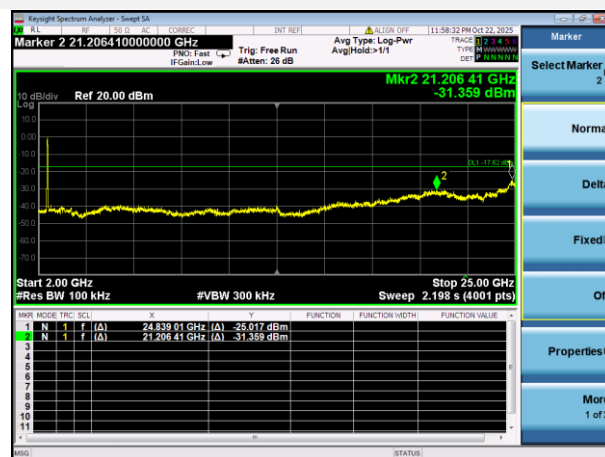
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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 GHz802.11n-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 GHz802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

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

Note: 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	-36.47	8.13	-11.87	Pass
High	-41.32	8.60	-11.40	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-24.79	5.51	-14.49	Pass
High	-30.00	6.35	-13.65	Pass

802.11n-20 MHz Mode:

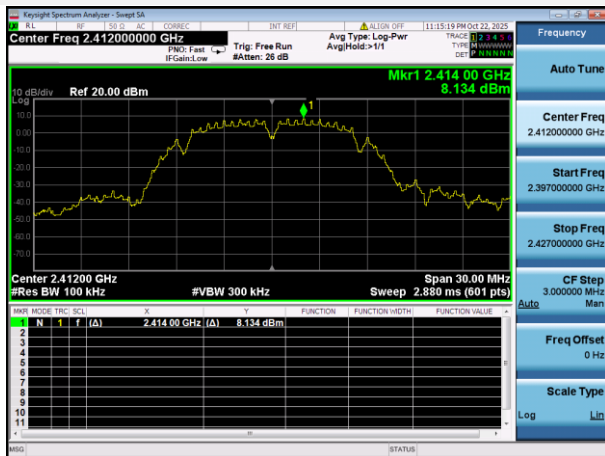
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-23.37	4.69	-15.31	Pass
High	-28.36	5.47	-14.53	Pass

802.11n-40 MHz Mode:

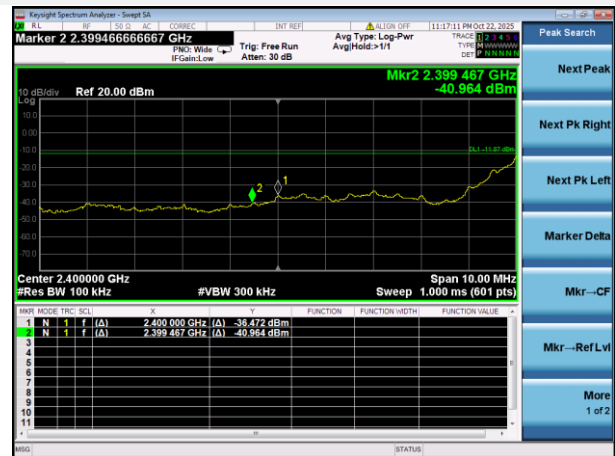
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-25.60	2.75	-17.25	Pass
High	-28.78	2.38	-17.62	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



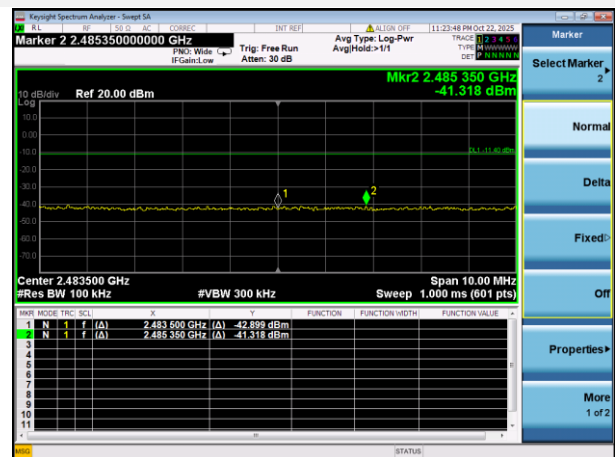
802.11b LOW CHANNEL, BAND EDGE



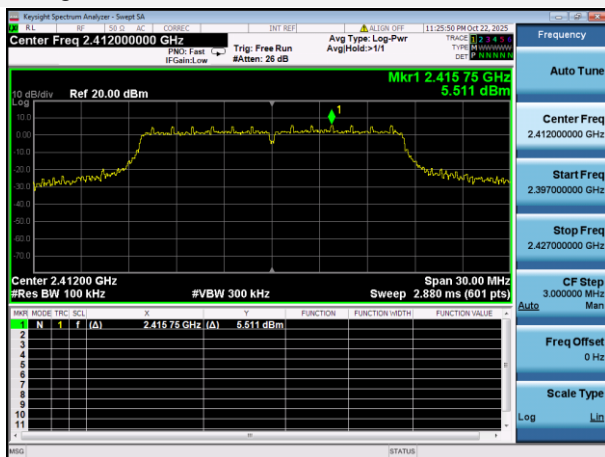
802.11b HIGH CHANNEL, CARRIER LEVEL



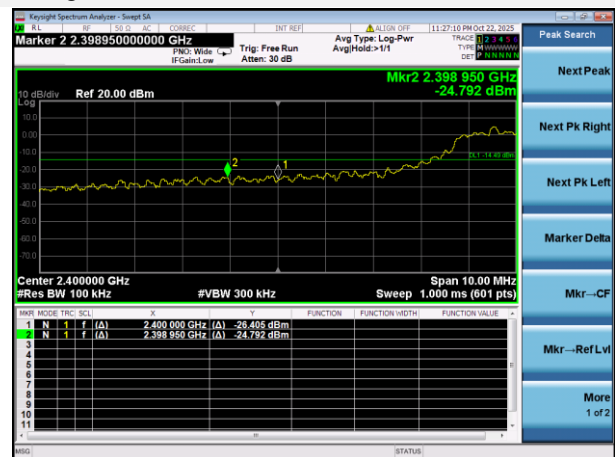
802.11b HIGH CHANNEL, BAND EDGE



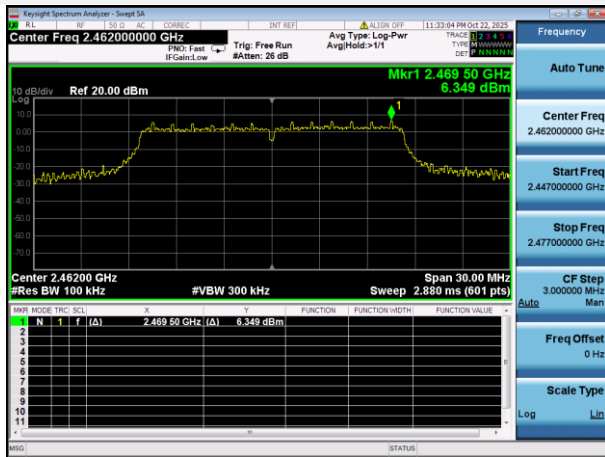
802.11g LOW CHANNEL, CARRIER LEVEL



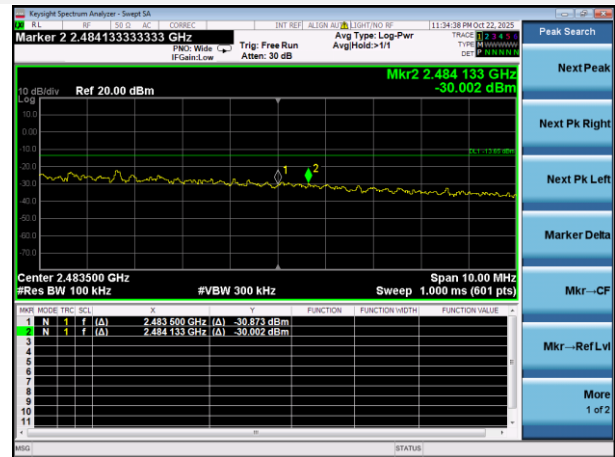
802.11g LOW CHANNEL, BAND EDGE



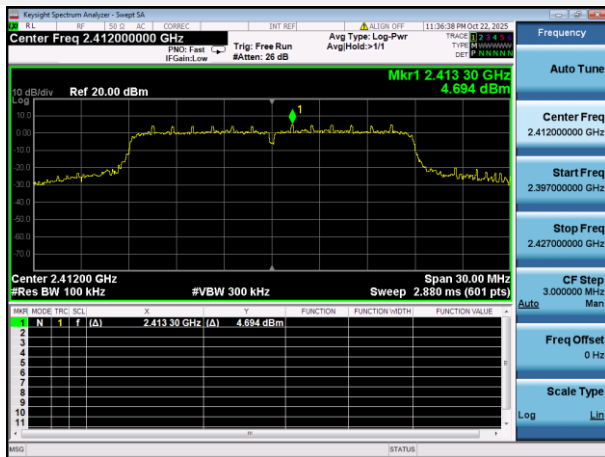
802.11g HIGH CHANNEL, CARRIER LEVEL



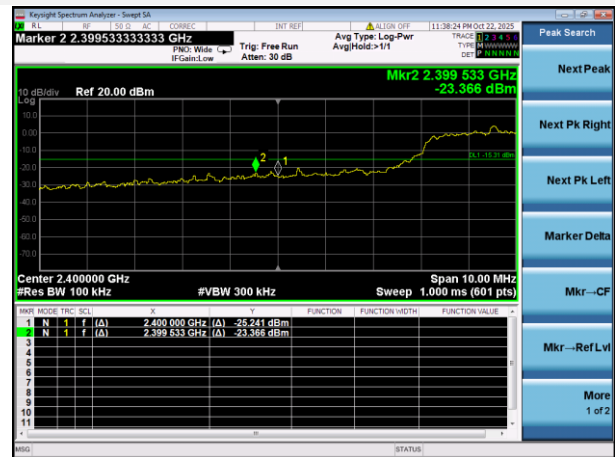
802.11g HIGH CHANNEL, BAND EDGE



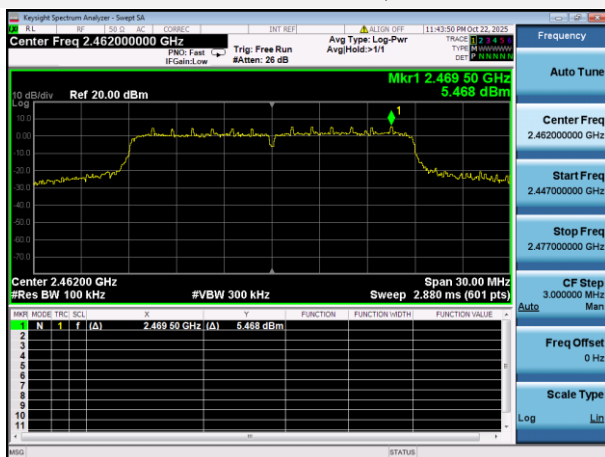
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



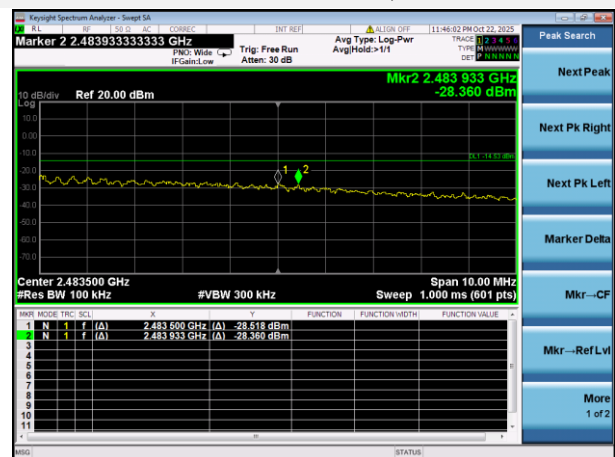
802.11n-20 MHz LOW CHANNEL, BAND EDGE



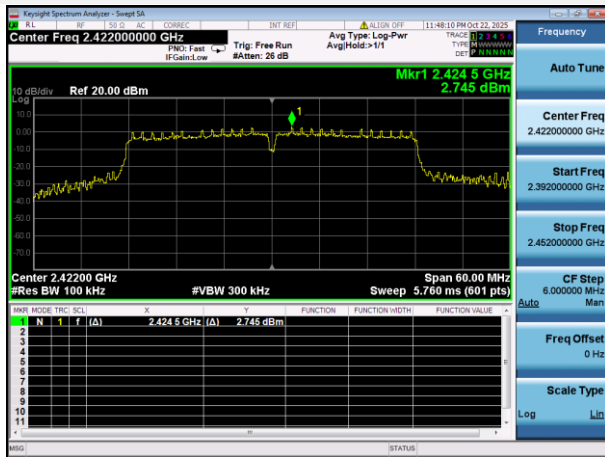
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



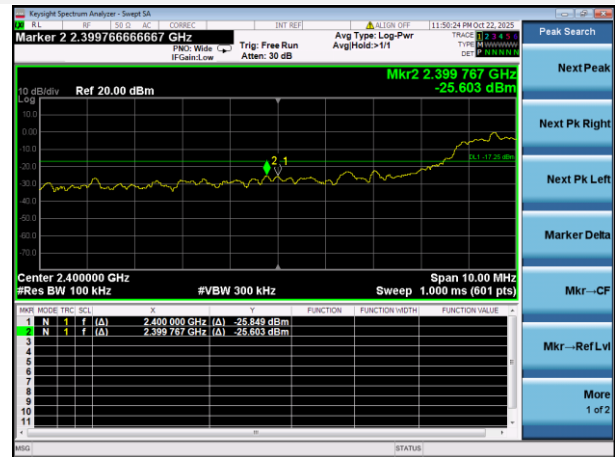
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



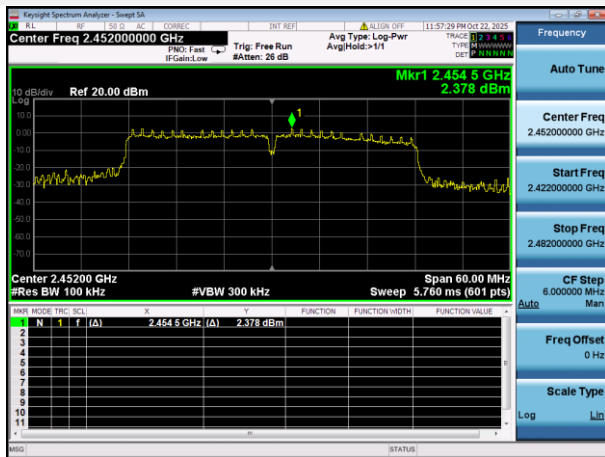
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



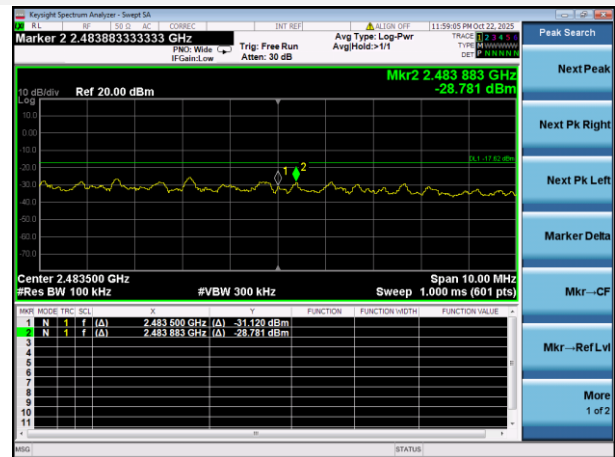
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

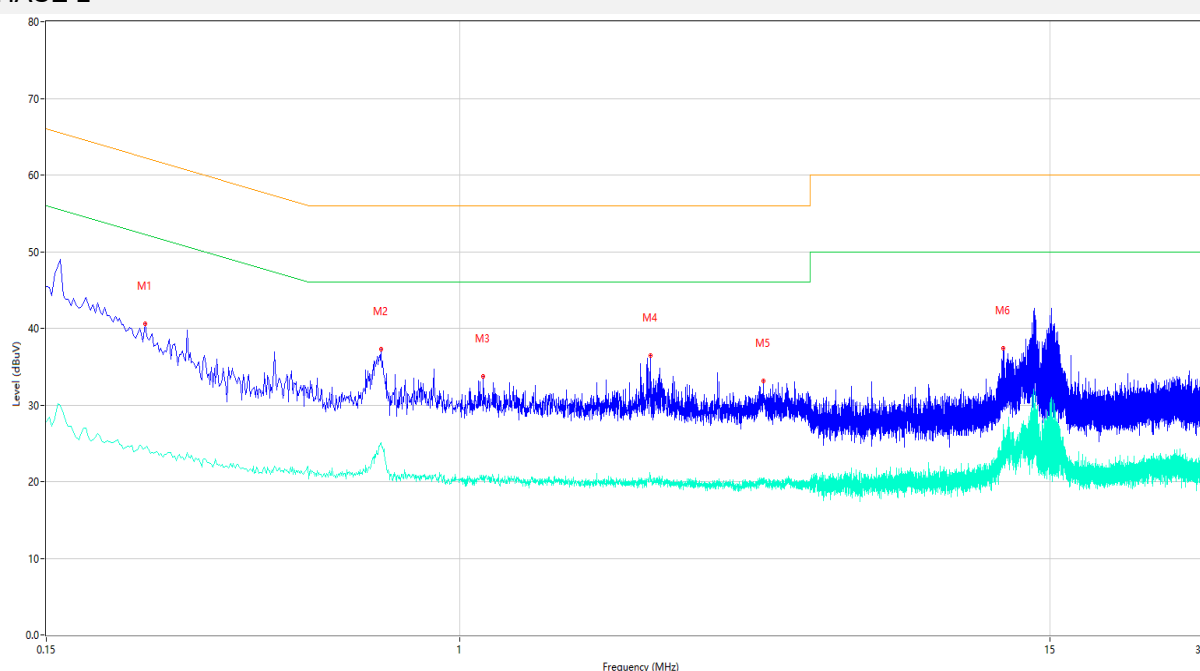
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

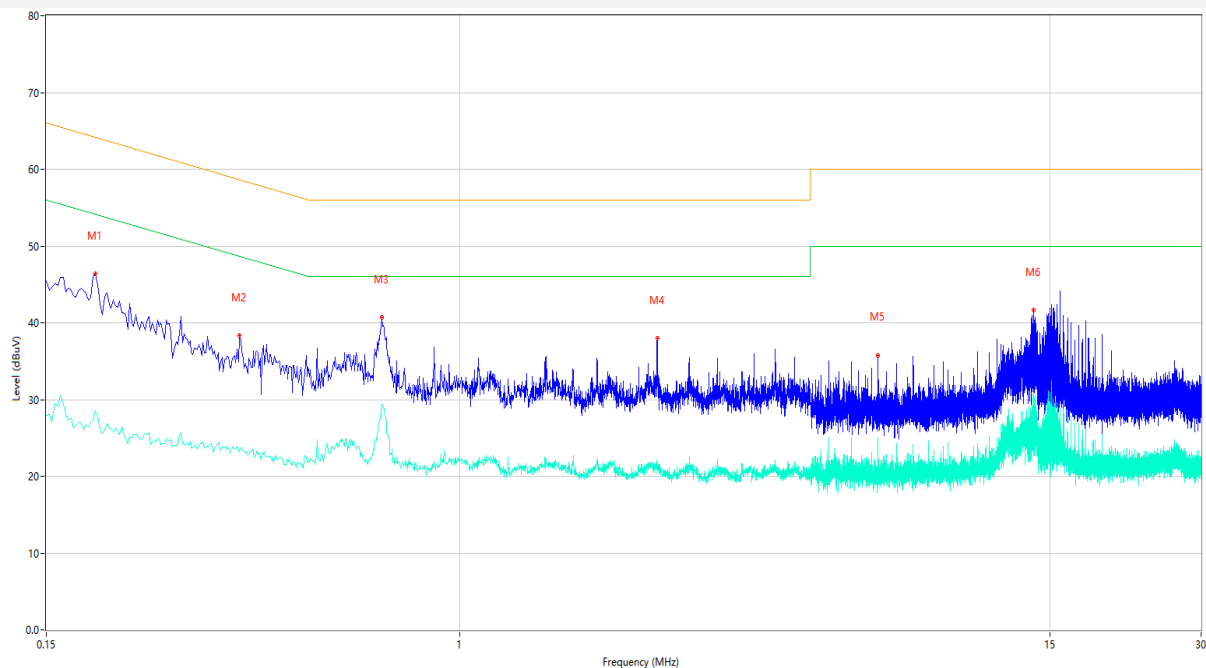
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.236	40.61	10.12	62.24	21.63	Peak	L	Pass
1**	0.236	24.41	10.12	52.24	27.83	AV	L	Pass
2	0.696	37.23	10.23	56.00	18.77	Peak	L	Pass
2**	0.696	25.12	10.23	46.00	20.88	AV	L	Pass
3	1.114	33.72	10.21	56.00	22.28	Peak	L	Pass
3**	1.114	20.80	10.21	46.00	25.20	AV	L	Pass
4	2.398	36.40	10.37	56.00	19.60	Peak	L	Pass
4**	2.398	20.44	10.37	46.00	25.56	AV	L	Pass
5	4.022	33.11	10.42	56.00	22.89	Peak	L	Pass
5**	4.022	20.50	10.42	46.00	25.50	AV	L	Pass
6	12.128	37.35	11.04	60.00	22.65	Peak	L	Pass
6**	12.128	27.44	11.04	50.00	22.56	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.188	46.42	10.16	64.12	17.70	Peak	N	Pass
1**	0.188	28.47	10.16	54.12	25.65	AV	N	Pass
2	0.364	38.35	10.16	58.64	20.29	Peak	N	Pass
2**	0.364	23.22	10.16	48.64	25.42	AV	N	Pass
3	0.700	40.69	10.22	56.00	15.31	Peak	N	Pass
3**	0.700	29.46	10.22	46.00	16.54	AV	N	Pass
4	2.474	38.03	10.28	56.00	17.97	Peak	N	Pass
4**	2.474	21.70	10.28	46.00	24.30	AV	N	Pass
5	6.822	35.69	10.60	60.00	24.31	Peak	N	Pass
5**	6.822	24.99	10.60	50.00	25.01	AV	N	Pass
6	13.912	41.66	11.09	60.00	18.34	Peak	N	Pass
6**	13.912	30.94	11.09	50.00	19.06	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.

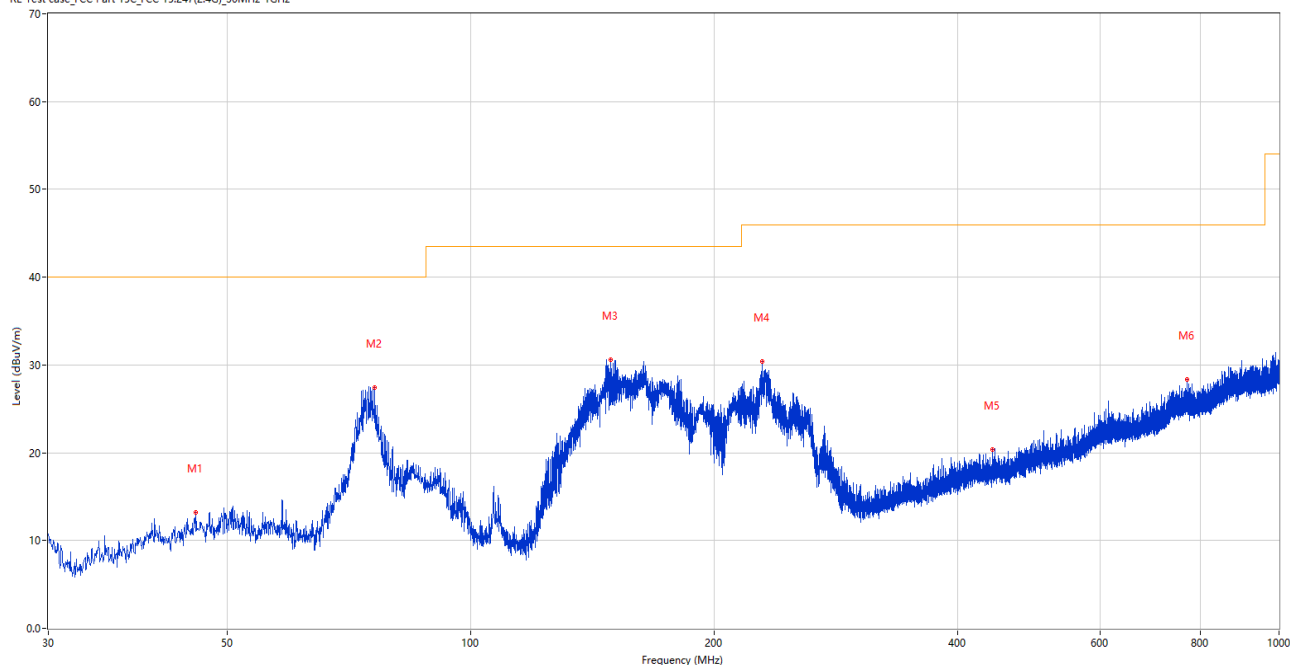
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

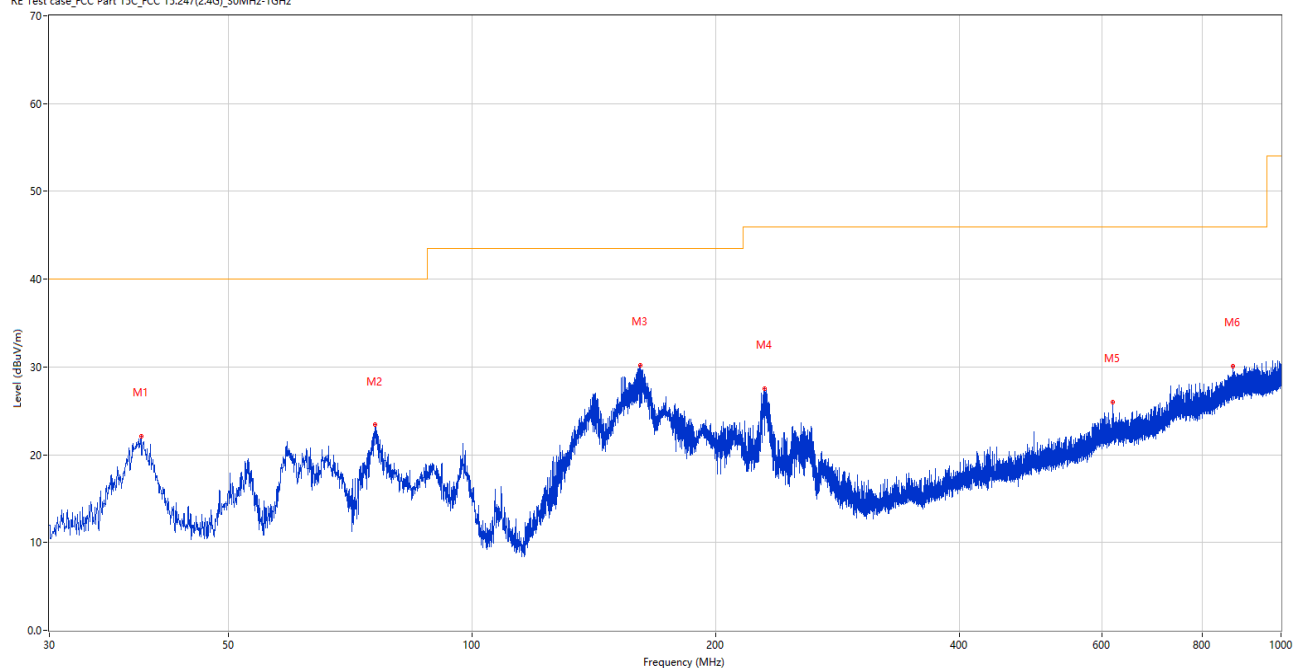
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.617	13.19	-24.66	40.0	26.81	Peak	169.00	150	Horizontal	Pass
2	76.026	27.43	-30.67	40.0	12.57	Peak	155.00	200	Horizontal	Pass
3	148.971	30.65	-29.60	43.5	12.85	Peak	224.00	150	Horizontal	Pass
4	229.286	30.38	-25.08	46.0	15.62	Peak	359.00	150	Horizontal	Pass
5	441.620	20.34	-19.62	46.0	25.66	Peak	32.00	200	Horizontal	Pass
6	769.819	28.33	-11.96	46.0	17.67	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	38.972	22.13	-26.25	40.0	17.87	Peak	310.00	150	Vertical	Pass
2	75.832	23.39	-30.63	40.0	16.61	Peak	111.00	150	Vertical	Pass
3	161.193	30.19	-28.75	43.5	13.31	Peak	360.00	200	Vertical	Pass
4	229.820	27.49	-25.03	46.0	18.51	Peak	160.00	150	Vertical	Pass
5	620.051	25.99	-14.45	46.0	20.01	Peak	312.00	200	Vertical	Pass
6	871.087	30.12	-9.68	46.0	15.88	Peak	231.00	200	Vertical	Pass

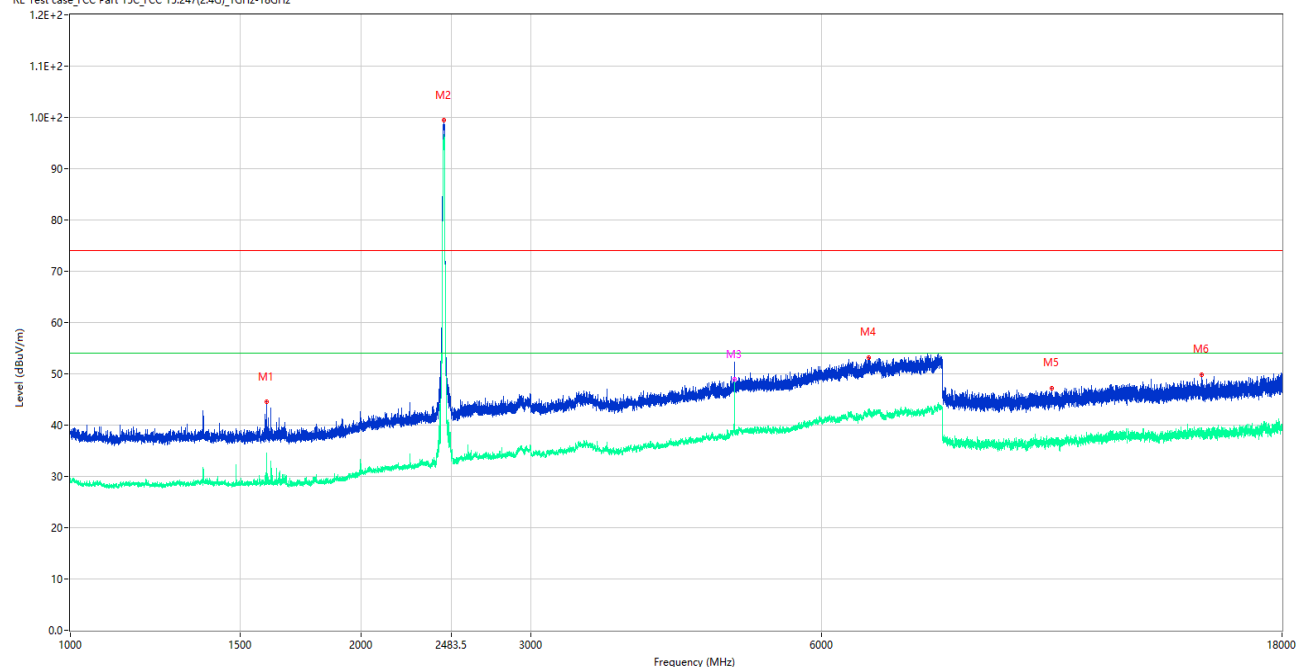
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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

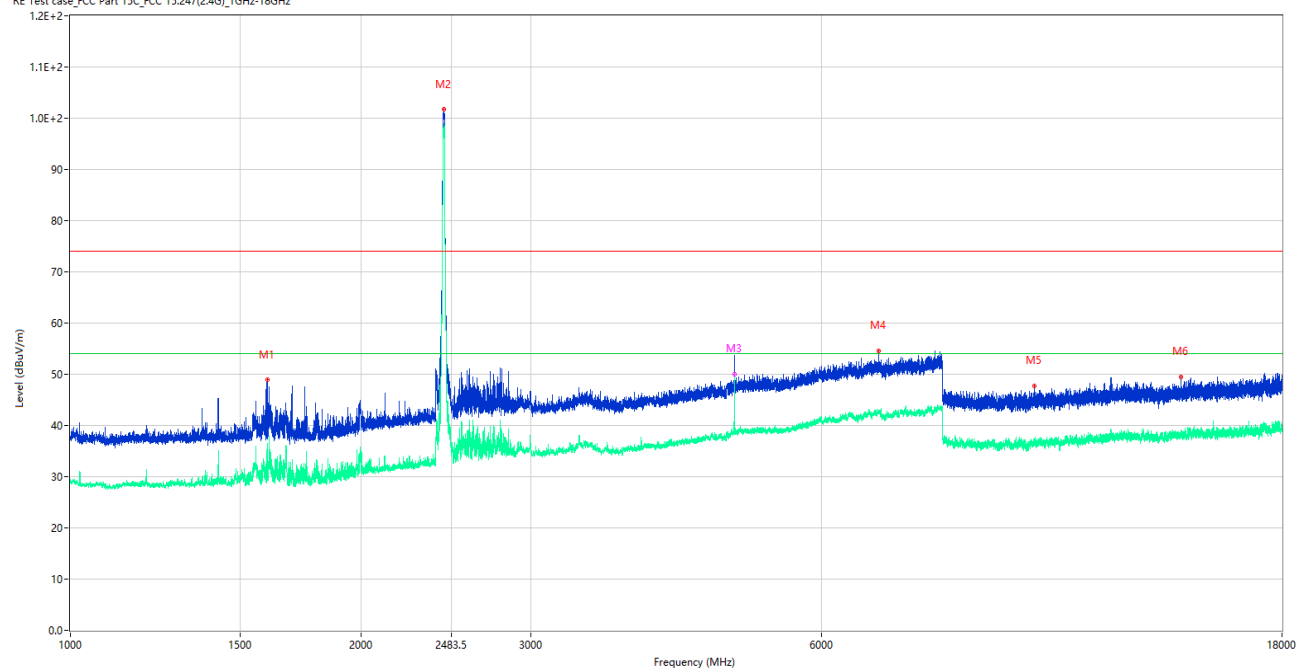
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.250	44.49	-16.22	74.0	29.51	Peak	206.00	150	Horizontal	Pass
1**	1597.250	32.77	-16.22	54.0	21.23	AV	206.00	150	Horizontal	Pass
2	2438.500	99.45	-12.37	74.0	-25.45	Peak	307.00	150	Horizontal	N/A
2**	2438.500	96.33	-12.37	54.0	-42.33	AV	307.00	150	Horizontal	N/A
3	4874.500	51.57	-2.25	74.0	22.43	Peak	101.00	150	Horizontal	Pass
3**	4874.500	48.90	-2.25	54.0	5.10	AV	101.00	150	Horizontal	Pass
4	6715.000	53.18	0.34	74.0	20.82	Peak	360.00	150	Horizontal	Pass
4**	6715.000	42.35	0.34	54.0	11.65	AV	360.00	150	Horizontal	Pass
5	10383.000	47.20	-3.29	74.0	26.80	Peak	239.00	150	Horizontal	Pass
5**	10383.000	36.89	-3.29	54.0	17.11	AV	239.00	150	Horizontal	Pass
6	14860.500	49.83	-1.08	74.0	24.17	Peak	9.00	150	Horizontal	Pass
6**	14860.500	38.37	-1.08	54.0	15.63	AV	9.00	150	Horizontal	Pass

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

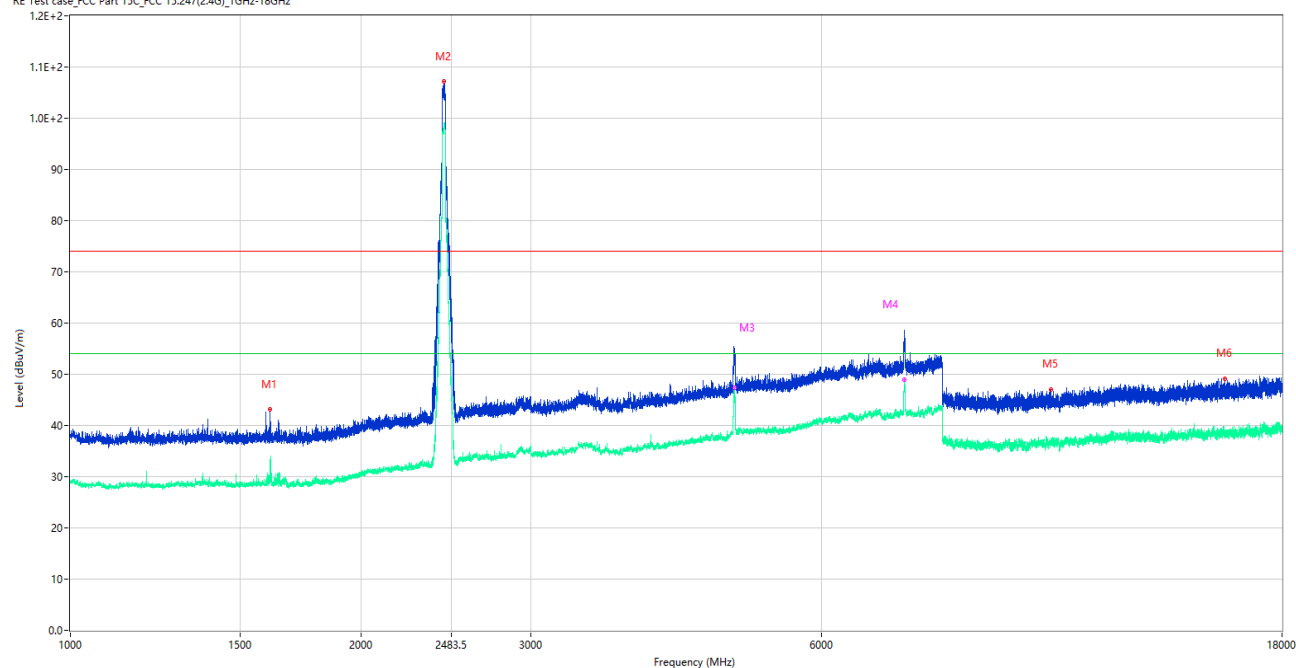
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.500	48.87	-16.24	74.0	25.13	Peak	93.00	150	Vertical	Pass
1**	1600.500	36.48	-16.24	54.0	17.52	AV	93.00	150	Vertical	Pass
2	2438.500	101.75	-12.37	74.0	-27.75	Peak	306.00	150	Vertical	N/A
2**	2438.500	98.64	-12.37	54.0	-44.64	AV	306.00	150	Vertical	N/A
3	4874.500	52.14	-2.25	74.0	21.86	Peak	38.00	150	Vertical	Pass
3**	4874.500	50.00	-2.25	54.0	4.00	AV	38.00	150	Vertical	Pass
4	6875.500	54.60	0.65	74.0	19.40	Peak	146.00	150	Vertical	Pass
4**	6875.500	42.30	0.65	54.0	11.70	AV	146.00	150	Vertical	Pass
5	9977.500	47.77	-3.72	74.0	26.23	Peak	1.00	150	Vertical	Pass
5**	9977.500	37.18	-3.72	54.0	16.82	AV	1.00	150	Vertical	Pass
6	14146.500	49.49	-1.10	74.0	24.51	Peak	0.00	150	Vertical	Pass
6**	14146.500	38.43	-1.10	54.0	15.57	AV	0.00	150	Vertical	Pass

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

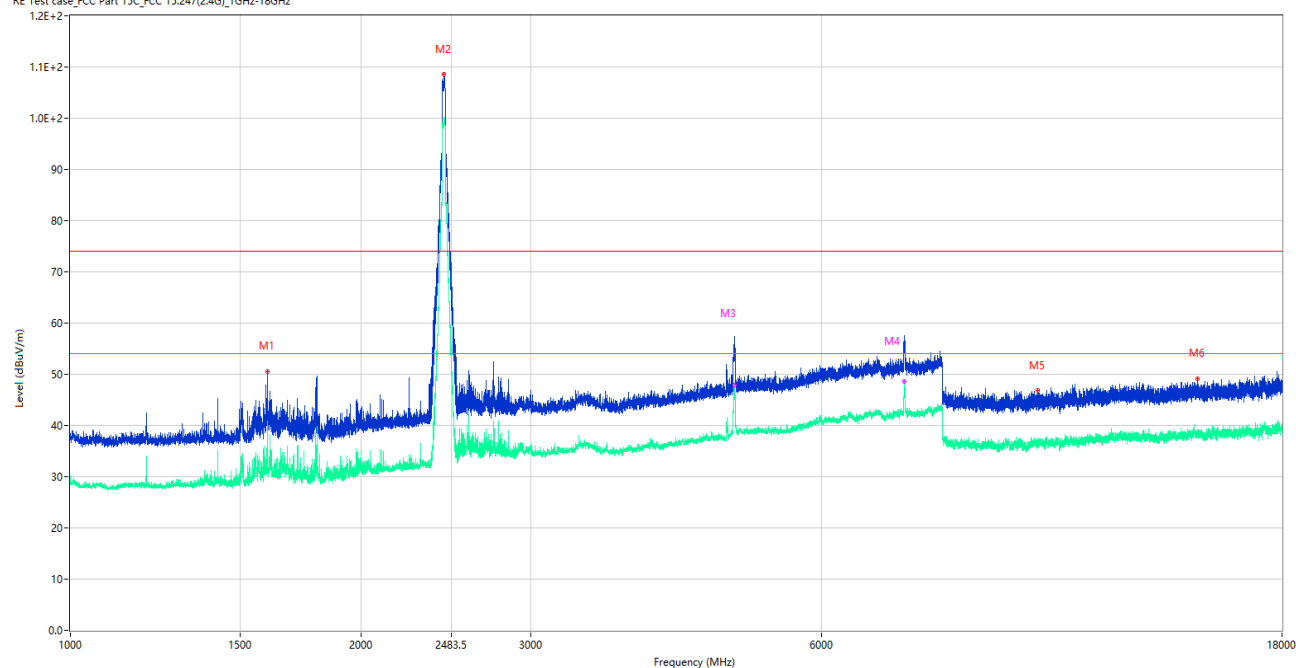
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.250	43.09	-16.21	74.0	30.91	Peak	230.00	150	Horizontal	Pass
1**	1611.250	32.64	-16.21	54.0	21.36	AV	230.00	150	Horizontal	Pass
2	2439.750	107.17	-12.37	74.0	-33.17	Peak	304.00	150	Horizontal	N/A
2**	2439.750	99.03	-12.37	54.0	-45.03	AV	304.00	150	Horizontal	N/A
3	4877.000	52.32	-2.25	74.0	21.68	Peak	99.00	150	Horizontal	Pass
3**	4877.000	47.43	-2.25	54.0	6.57	AV	99.00	150	Horizontal	Pass
4	7314.000	58.68	0.68	74.0	15.32	Peak	129.00	150	Horizontal	Pass
4**	7314.000	48.93	0.68	54.0	5.07	AV	129.00	150	Horizontal	Pass
5	10372.500	47.07	-3.49	74.0	26.93	Peak	60.00	150	Horizontal	Pass
5**	10372.500	36.63	-3.49	54.0	17.37	AV	60.00	150	Horizontal	Pass
6	15712.000	49.18	-1.82	74.0	24.82	Peak	178.00	150	Horizontal	Pass
6**	15712.000	38.83	-1.82	54.0	15.17	AV	178.00	150	Horizontal	Pass

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

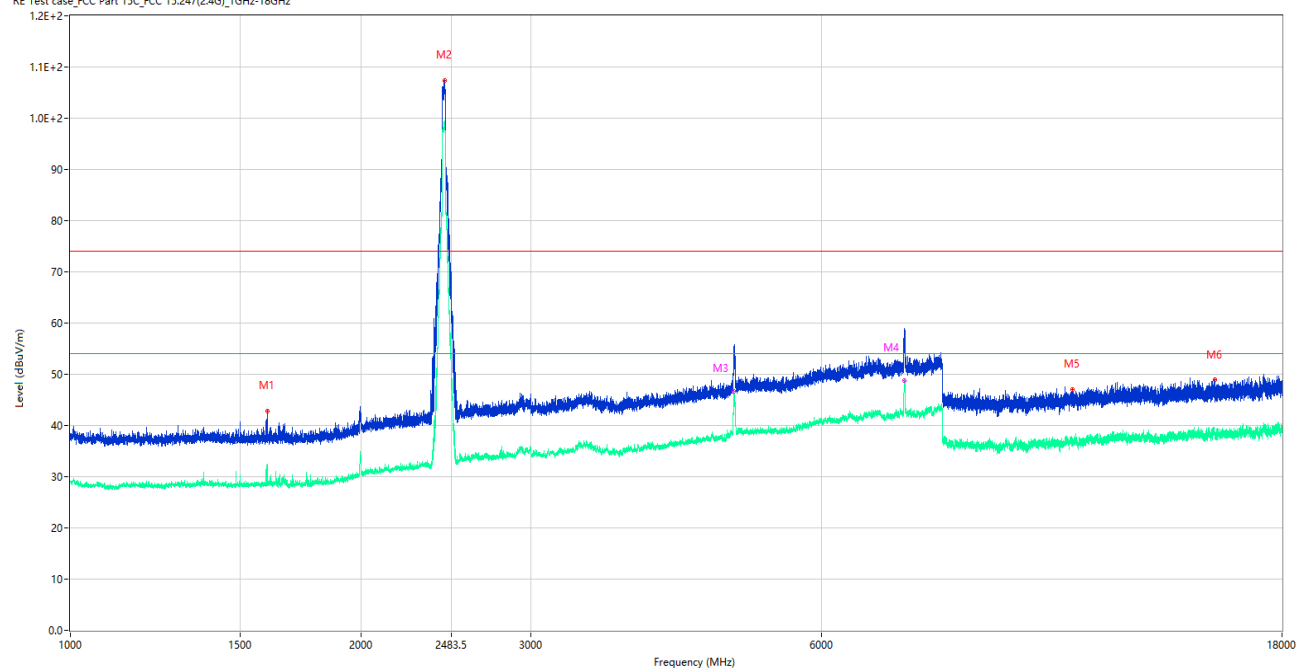
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.250	50.54	-16.24	74.0	23.46	Peak	121.00	150	Vertical	Pass
1**	1599.250	40.81	-16.24	54.0	13.19	AV	121.00	150	Vertical	Pass
2	2439.250	108.57	-12.37	74.0	-34.57	Peak	309.00	150	Vertical	N/A
2**	2439.250	99.84	-12.37	54.0	-45.84	AV	309.00	150	Vertical	N/A
3	4874.000	54.40	-2.23	74.0	19.60	Peak	31.00	150	Vertical	Pass
3**	4874.000	47.87	-2.23	54.0	6.13	AV	31.00	150	Vertical	Pass
4	7315.500	55.24	0.68	74.0	18.76	Peak	130.00	150	Vertical	Pass
4**	7315.500	48.59	0.68	54.0	5.41	AV	130.00	150	Vertical	Pass
5	10045.000	46.80	-3.91	74.0	27.20	Peak	11.00	150	Vertical	Pass
5**	10045.000	35.88	-3.91	54.0	18.12	AV	11.00	150	Vertical	Pass
6	14702.500	49.15	-2.11	74.0	24.85	Peak	68.00	150	Vertical	Pass
6**	14702.500	38.27	-2.11	54.0	15.73	AV	68.00	150	Vertical	Pass

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

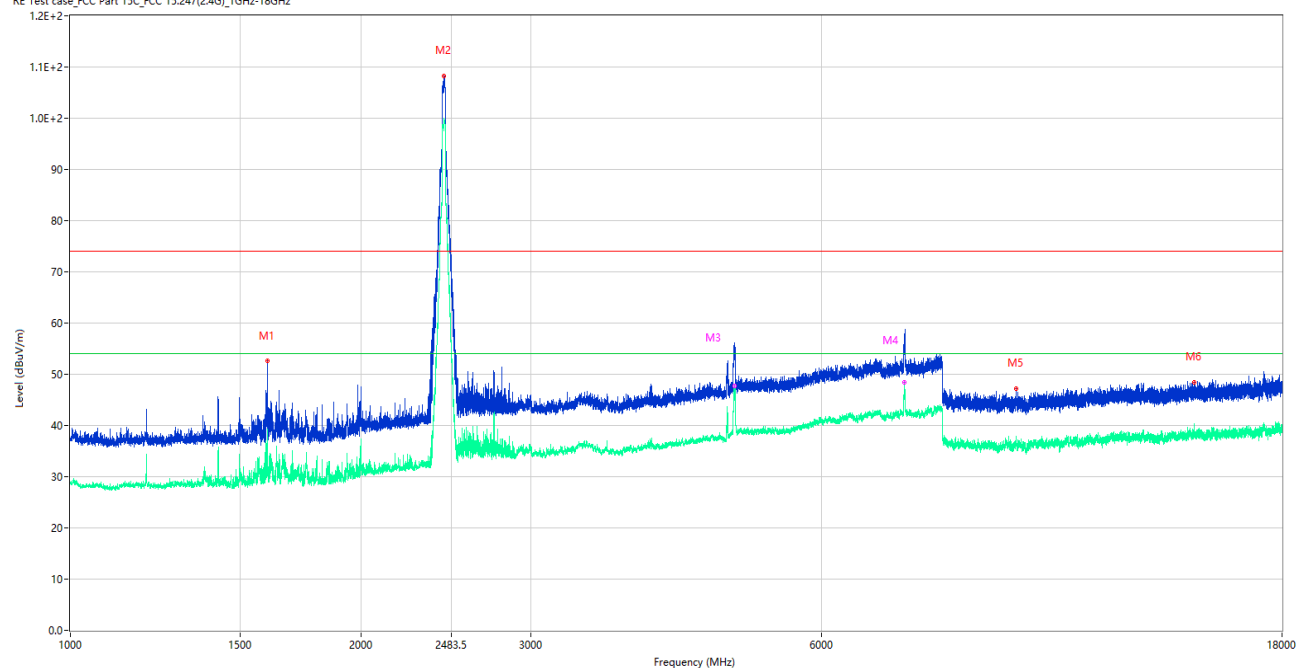
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.750	42.88	-16.24	74.0	31.12	Peak	257.00	150	Horizontal	Pass
1**	1599.750	32.40	-16.24	54.0	21.60	AV	257.00	150	Horizontal	Pass
2	2441.250	107.43	-12.40	74.0	-33.43	Peak	307.00	150	Horizontal	N/A
2**	2441.250	99.29	-12.40	54.0	-45.29	AV	307.00	150	Horizontal	N/A
3	4871.500	53.35	-2.21	74.0	20.65	Peak	99.00	150	Horizontal	Pass
3**	4871.500	46.66	-2.21	54.0	7.34	AV	99.00	150	Horizontal	Pass
4	7314.000	55.82	0.68	74.0	18.18	Peak	259.00	150	Horizontal	Pass
4**	7314.000	48.85	0.68	54.0	5.15	AV	259.00	150	Horizontal	Pass
5	10927.000	47.08	-3.25	74.0	26.92	Peak	0.00	150	Horizontal	Pass
5**	10927.000	36.92	-3.25	54.0	17.08	AV	0.00	150	Horizontal	Pass
6	15323.500	48.89	-2.54	74.0	25.11	Peak	0.00	150	Horizontal	Pass
6**	15323.500	38.22	-2.54	54.0	15.78	AV	0.00	150	Horizontal	Pass

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

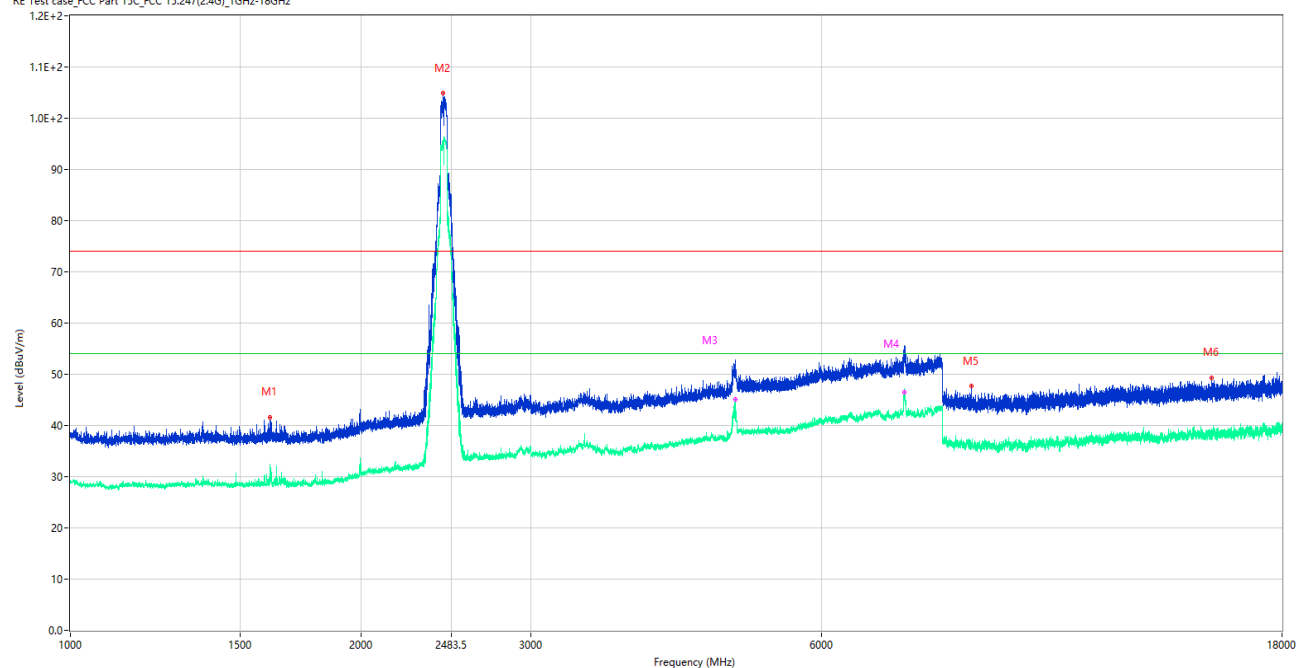
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.250	52.58	-16.24	74.0	21.42	Peak	112.00	150	Vertical	Pass
1**	1599.250	30.63	-16.24	54.0	23.37	AV	112.00	150	Vertical	Pass
2	2440.000	108.31	-12.37	74.0	-34.31	Peak	310.00	150	Vertical	N/A
2**	2440.000	99.62	-12.37	54.0	-45.62	AV	310.00	150	Vertical	N/A
3	4873.500	53.68	-2.23	74.0	20.32	Peak	0.00	150	Vertical	Pass
3**	4873.500	47.81	-2.23	54.0	6.19	AV	0.00	150	Vertical	Pass
4	7318.000	57.20	0.70	74.0	16.80	Peak	89.00	150	Vertical	Pass
4**	7318.000	48.34	0.70	54.0	5.66	AV	89.00	150	Vertical	Pass
5	9548.000	47.24	-2.54	74.0	26.76	Peak	322.00	150	Vertical	Pass
5**	9548.000	36.56	-2.54	54.0	17.44	AV	322.00	150	Vertical	Pass
6	14605.000	48.43	-2.82	74.0	25.57	Peak	322.00	150	Vertical	Pass
6**	14605.000	38.48	-2.82	54.0	15.52	AV	322.00	150	Vertical	Pass

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

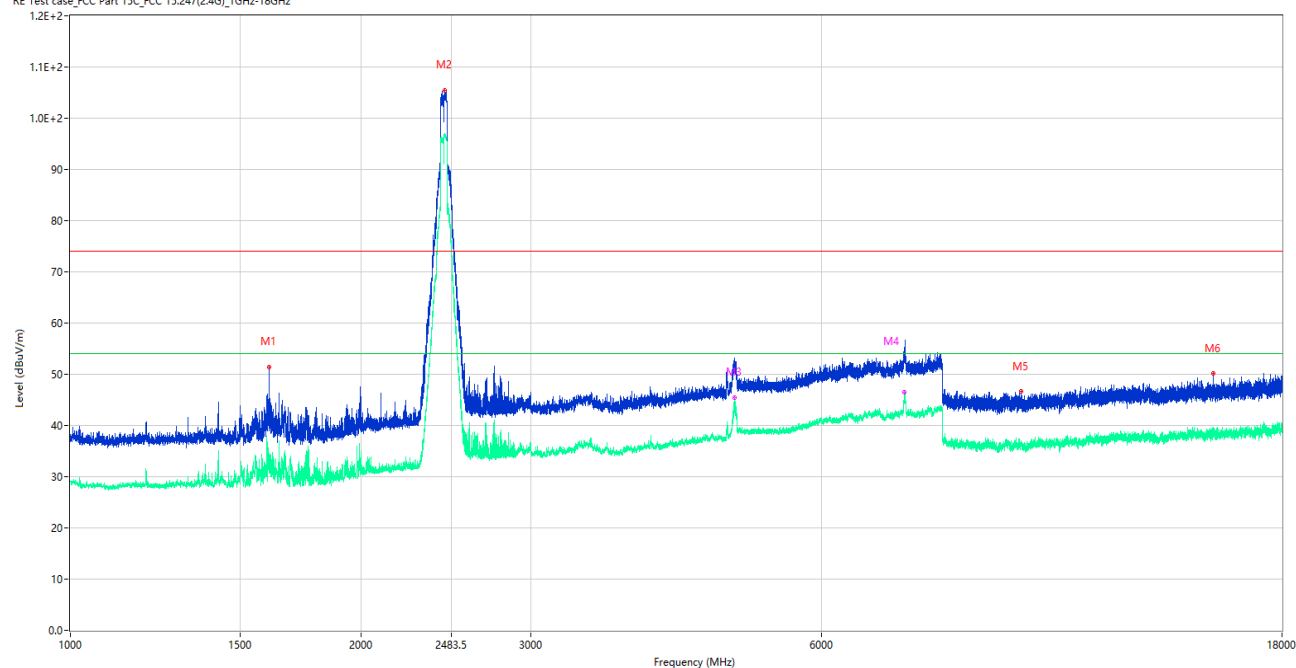
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.250	41.61	-16.21	74.0	32.39	Peak	243.00	150	Horizontal	Pass
1**	1611.250	32.50	-16.21	54.0	21.50	AV	243.00	150	Horizontal	Pass
2	2430.750	104.86	-12.27	74.0	-30.86	Peak	302.00	150	Horizontal	N/A
2**	2430.750	95.45	-12.27	54.0	-41.45	AV	302.00	150	Horizontal	N/A
3	4882.500	51.29	-2.31	74.0	22.71	Peak	94.00	150	Horizontal	Pass
3**	4882.500	45.12	-2.31	54.0	8.88	AV	94.00	150	Horizontal	Pass
4	7318.000	53.44	0.70	74.0	20.56	Peak	241.00	150	Horizontal	Pass
4**	7318.000	46.49	0.70	54.0	7.51	AV	241.00	150	Horizontal	Pass
5	8588.000	47.65	-5.07	74.0	26.35	Peak	359.00	150	Horizontal	Pass
5**	8588.000	35.99	-5.07	54.0	18.01	AV	359.00	150	Horizontal	Pass
6	15215.500	49.33	-2.04	74.0	24.67	Peak	11.00	150	Horizontal	Pass
6**	15215.500	38.17	-2.04	54.0	15.83	AV	11.00	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	1607.750	51.37	-16.26	74.0	22.63	Peak	119.00	150	Vertical	Pass
1**	1607.750	32.08	-16.26	54.0	21.92	AV	119.00	150	Vertical	Pass
2	2444.000	105.52	-12.47	74.0	-31.52	Peak	317.00	150	Vertical	N/A
2**	2444.000	96.55	-12.47	54.0	-42.55	AV	317.00	150	Vertical	N/A
3	4877.500	50.82	-2.25	74.0	23.18	Peak	359.00	150	Vertical	Pass
3**	4877.500	45.36	-2.25	54.0	8.64	AV	359.00	150	Vertical	Pass
4	7314.500	54.37	0.67	74.0	19.63	Peak	51.00	150	Vertical	Pass
4**	7314.500	46.56	0.67	54.0	7.44	AV	51.00	150	Vertical	Pass
5	9651.000	46.62	-3.34	74.0	27.38	Peak	265.00	150	Vertical	Pass
5**	9651.000	36.26	-3.34	54.0	17.74	AV	265.00	150	Vertical	Pass
6	15270.000	50.10	-1.27	74.0	23.90	Peak	60.00	150	Vertical	Pass
6**	15270.000	38.68	-1.27	54.0	15.32	AV	60.00	150	Vertical	Pass

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

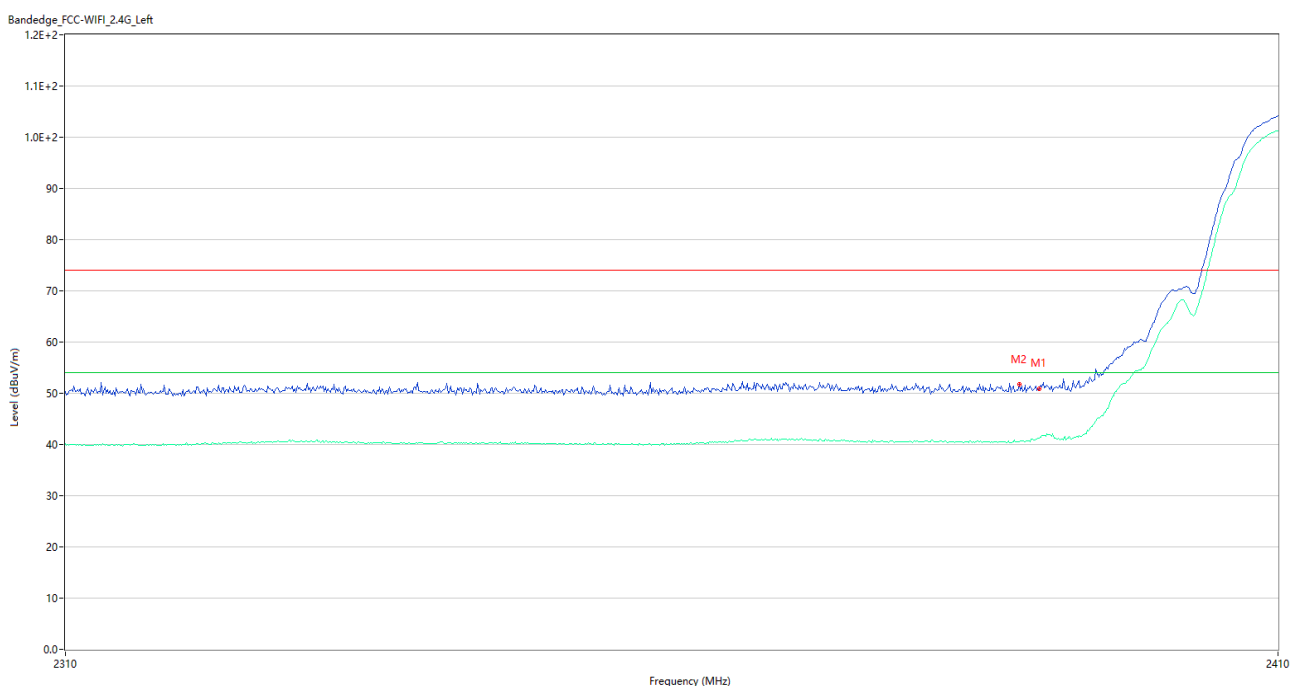
Note 1: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

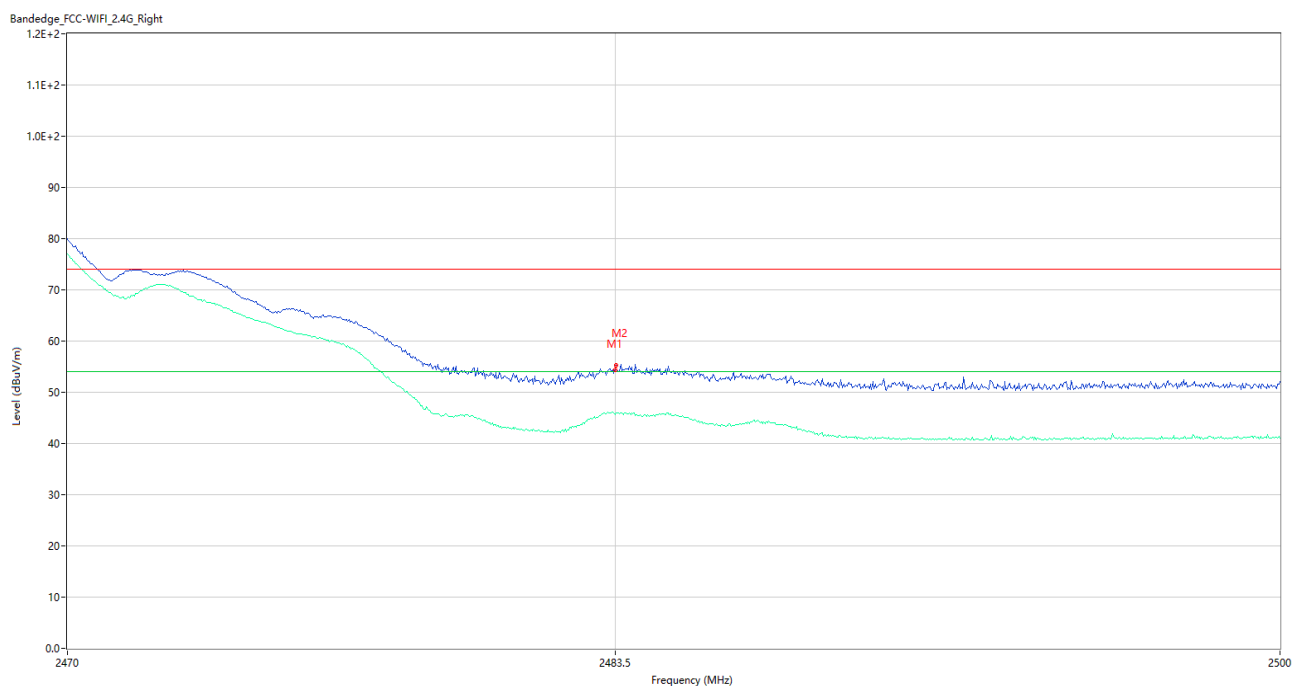
Test Data and Plots

802.11b LOW CHANNEL



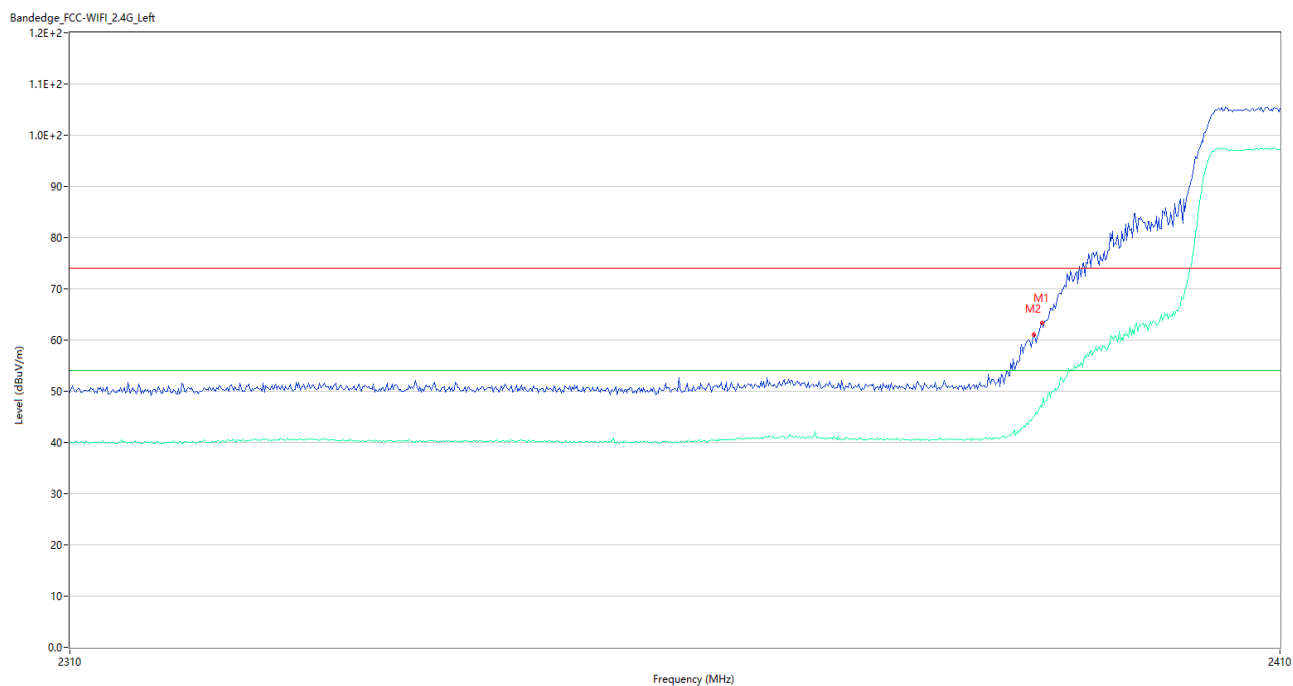
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.91	-4.87	74.0	23.09	Peak	270.90	150	Vertical	Pass
1**	2390.000	41.27	-4.87	54.0	12.73	AV	270.90	150	Vertical	Pass
2	2388.300	51.69	-4.78	74.0	22.31	Peak	331.00	150	Vertical	Pass
2**	2388.300	40.58	-4.78	54.0	13.42	AV	331.00	150	Vertical	Pass

802.11b HIGH CHANNEL



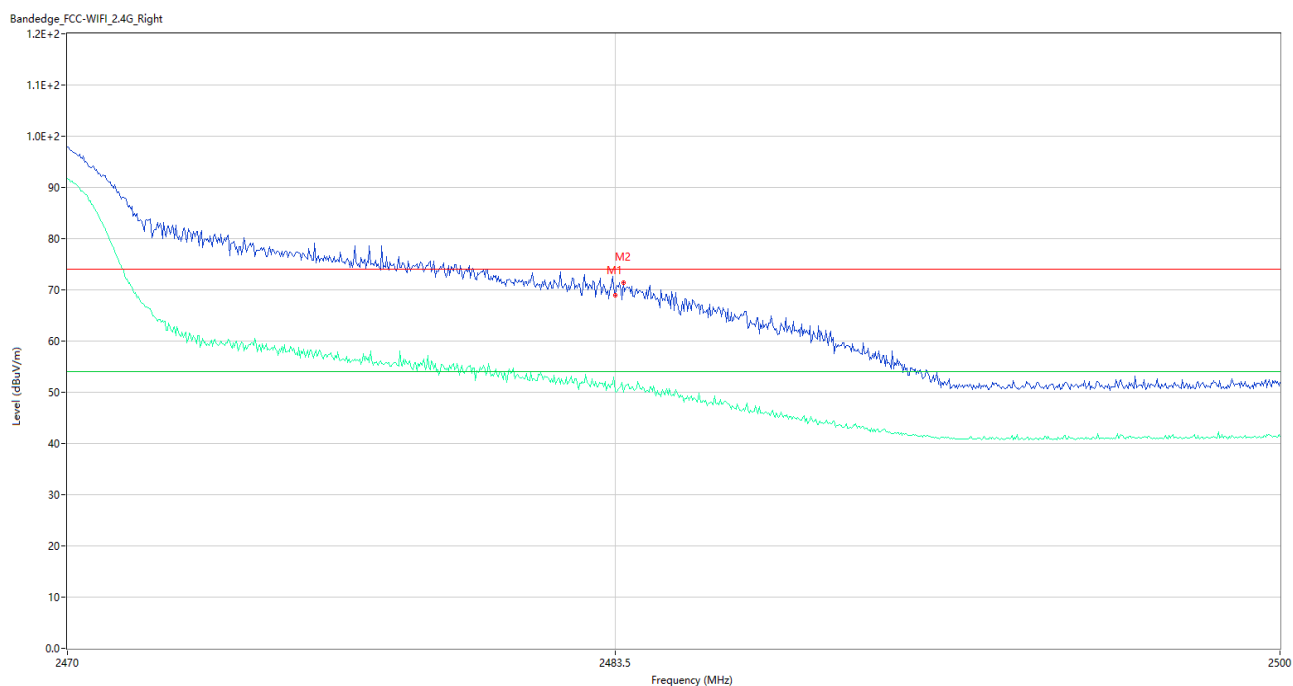
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.40	-3.78	74.0	19.60	Peak	292.00	150	Vertical	Pass
1**	2483.500	45.67	-3.78	54.0	8.33	AV	292.00	150	Vertical	Pass
2	2483.530	55.20	-3.78	74.0	18.80	Peak	302.00	150	Vertical	Pass
2**	2483.530	46.02	-3.78	54.0	7.98	AV	302.00	150	Vertical	Pass

802.11g LOW CHANNEL



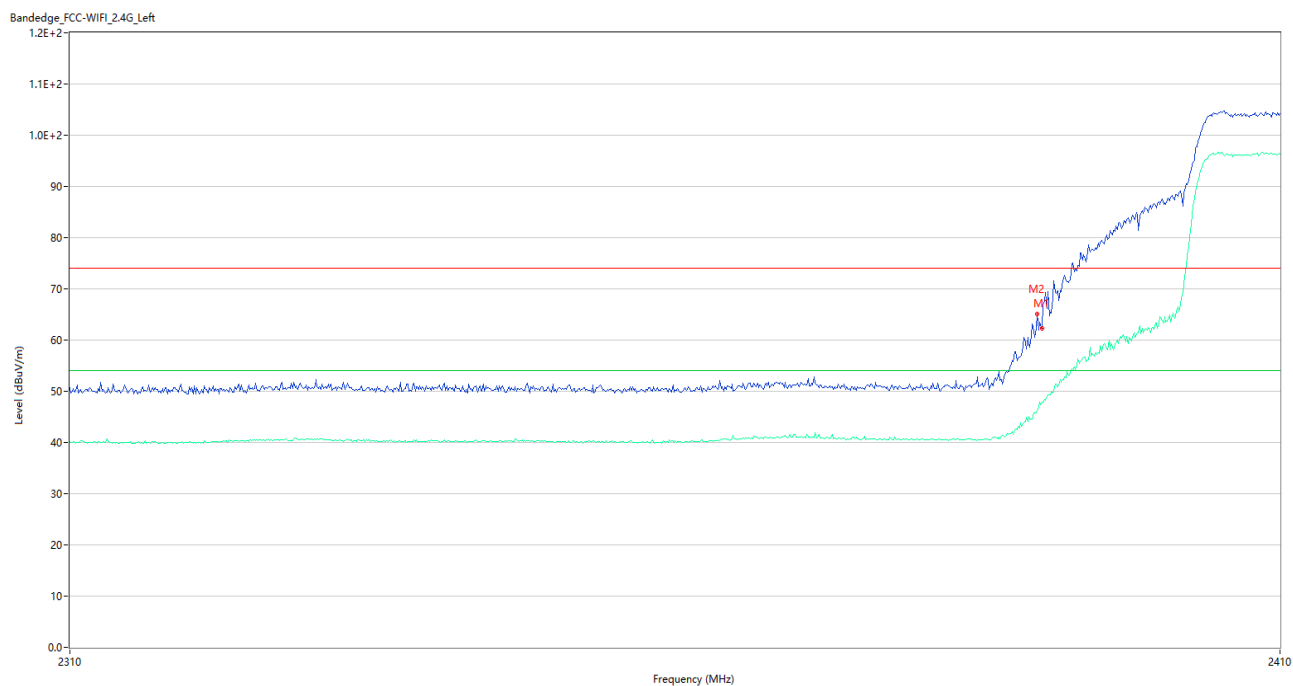
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	63.31	-4.87	74.0	10.69	Peak	213.00	150	Vertical	Pass
1**	2390.000	46.93	-4.87	54.0	7.07	AV	213.00	150	Vertical	Pass
2	2389.300	61.09	-4.84	74.0	12.91	Peak	216.00	150	Vertical	Pass
2**	2389.300	45.15	-4.84	54.0	8.85	AV	216.00	150	Vertical	Pass

802.11g HIGH CHANNEL



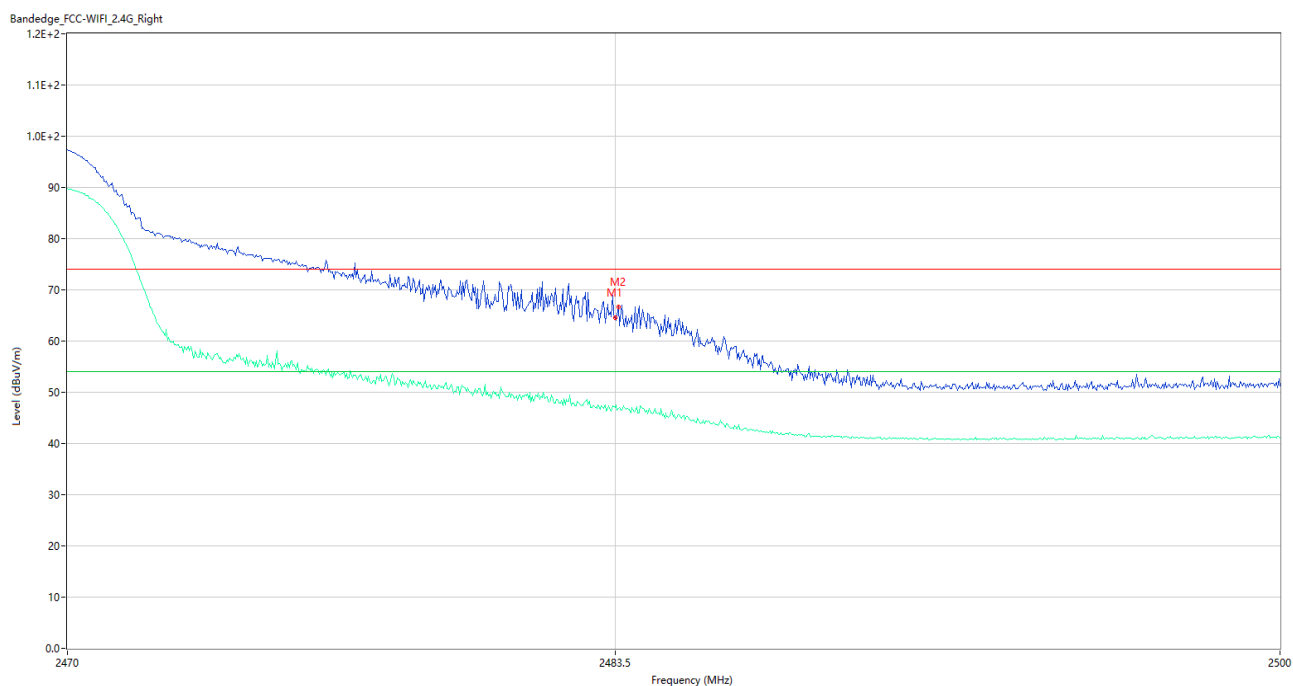
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.88	-3.78	74.0	5.12	Peak	336.00	150	Vertical	Pass
1**	2483.500	50.28	-3.78	54.0	3.72	AV	336.00	150	Vertical	Pass
2	2483.710	70.95	-3.78	74.0	3.05	Peak	300.00	150	Vertical	Pass
2**	2483.710	50.07	-3.78	54.0	3.93	AV	300.00	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	62.27	-4.87	74.0	11.73	Peak	211.01	150	Vertical	Pass
1**	2390.000	47.90	-4.87	54.0	6.10	AV	211.01	150	Vertical	Pass
2	2389.600	65.06	-4.85	74.0	8.94	Peak	139.00	150	Vertical	Pass
2**	2389.600	46.18	-4.85	54.0	7.82	AV	139.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



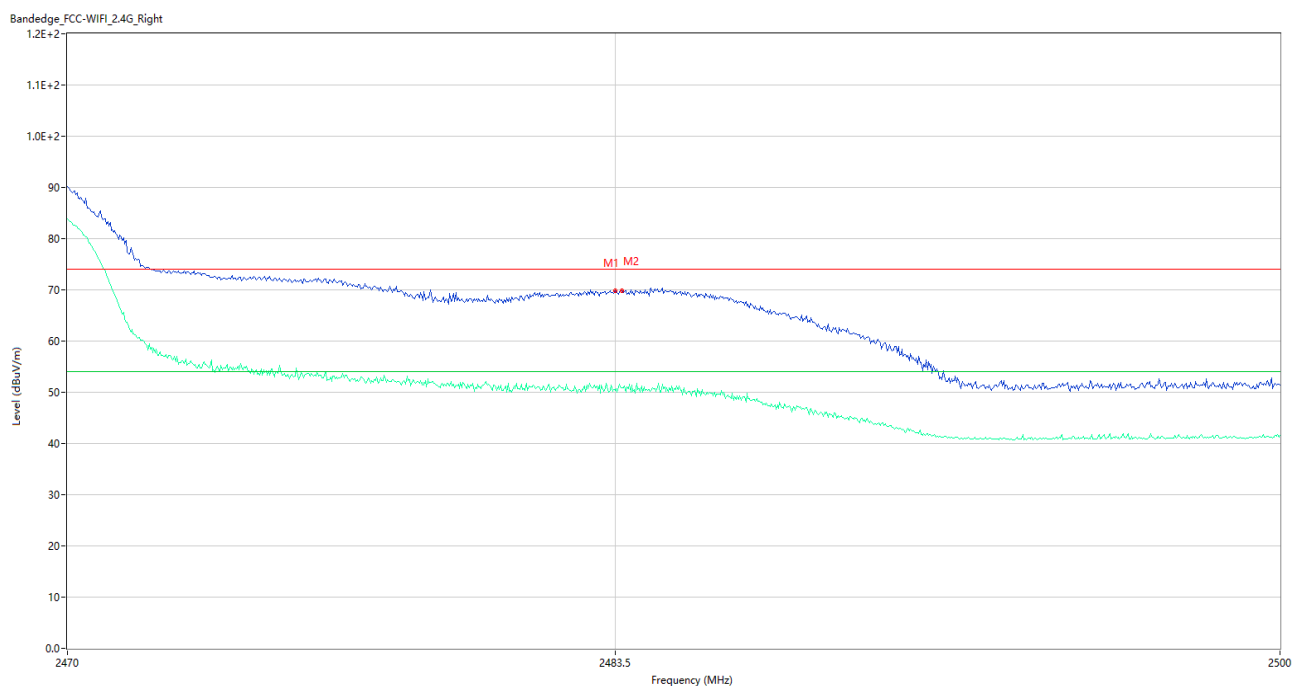
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.49	-3.78	74.0	9.51	Peak	252.00	150	Vertical	Pass
1**	2483.500	46.99	-3.78	54.0	7.01	AV	252.00	150	Vertical	Pass
2	2483.590	66.66	-3.78	74.0	7.34	Peak	328.00	150	Vertical	Pass
2**	2483.590	46.79	-3.78	54.0	7.21	AV	328.00	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	58.25	-4.87	74.0	15.75	Peak	151.08	150	Vertical	Pass
1**	2390.000	43.32	-4.87	54.0	10.68	AV	151.08	150	Vertical	Pass
2	2389.000	56.47	-4.82	74.0	17.53	Peak	213.00	150	Vertical	Pass
2**	2389.000	41.62	-4.82	54.0	12.38	AV	213.00	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	69.87	-3.78	74.0	4.13	Peak	296.00	150	Vertical	Pass
1**	2483.500	50.35	-3.78	54.0	3.65	AV	296.00	150	Vertical	Pass
2	2483.680	69.76	-3.78	74.0	4.24	Peak	304.00	150	Vertical	Pass
2**	2483.680	50.93	-3.78	54.0	3.07	AV	304.00	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

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.34	8
Middle	-9.64	8
High	-6.41	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.29	8
Middle	-9.57	8
High	-13.74	8

802.11n-20 MHz Mode:

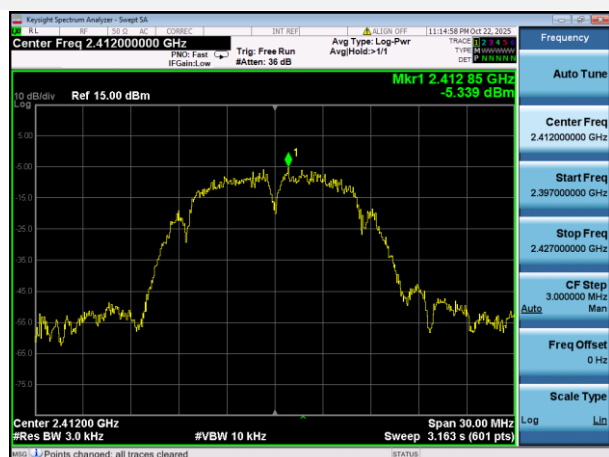
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.49	8
Middle	-9.98	8
High	-14.22	8

802.11n-40 MHz Mode:

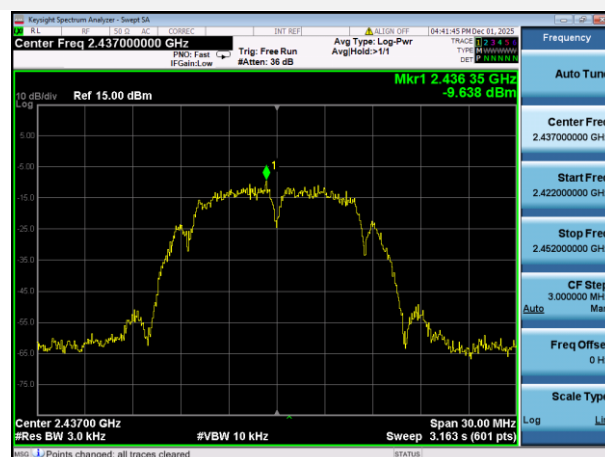
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.75	8
Middle	-12.21	8
High	-18.76	8

Test Plots

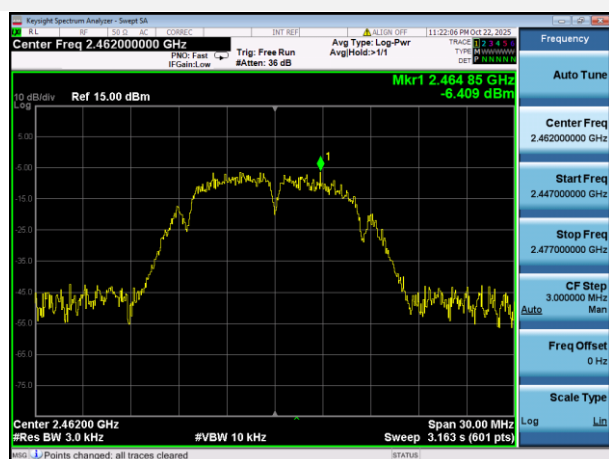
802.11b LOW CHANNEL



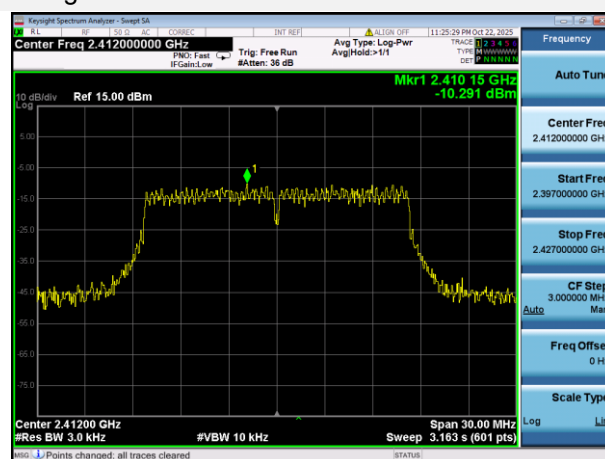
802.11b MIDDLE CHANNEL



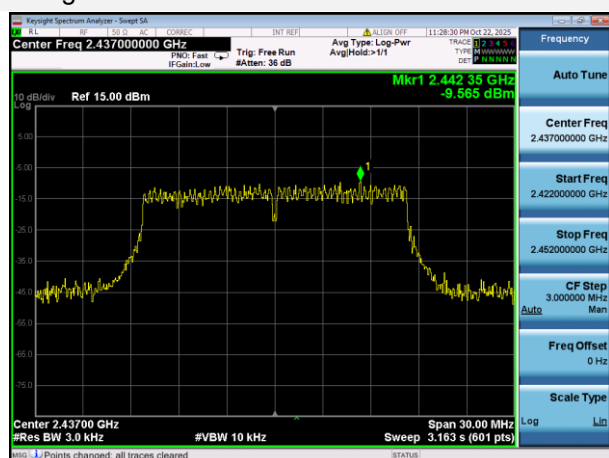
802.11b HIGH CHANNEL



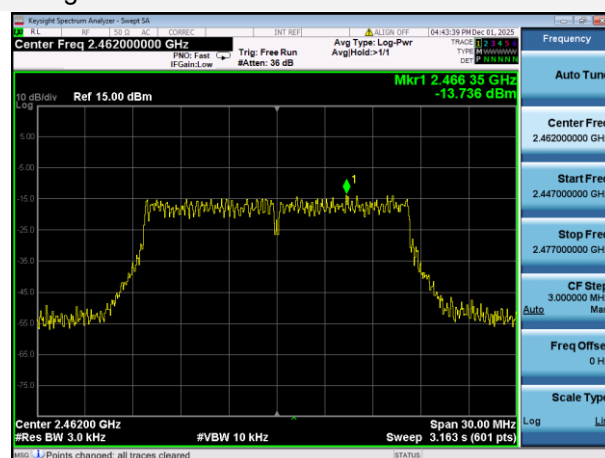
802.11g LOW CHANNEL



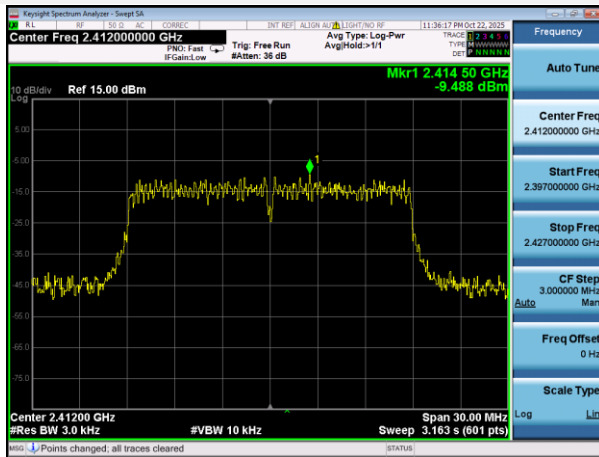
802.11g MIDDLE CHANNEL



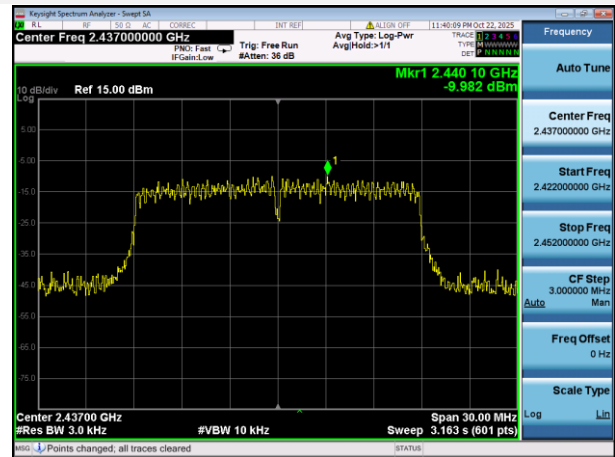
802.11g HIGH CHANNEL



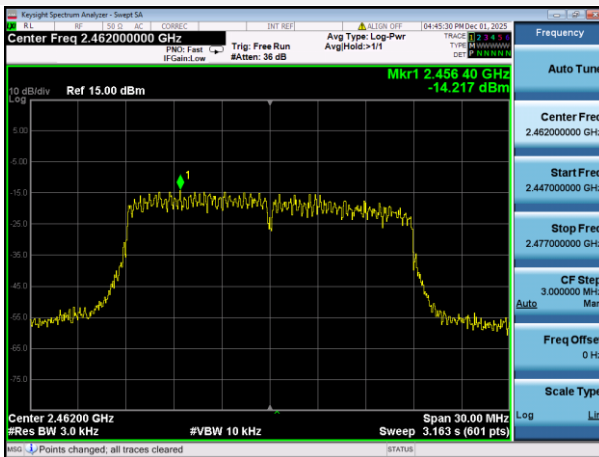
802.11n-20 MHz LOW CHANNEL



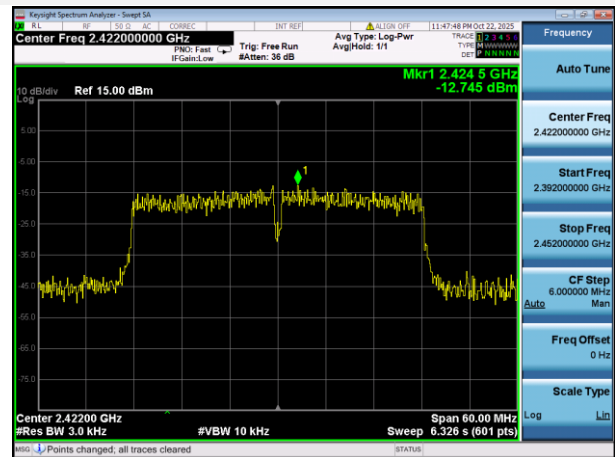
802.11 n-20 MHz MIDDLE CHANNEL



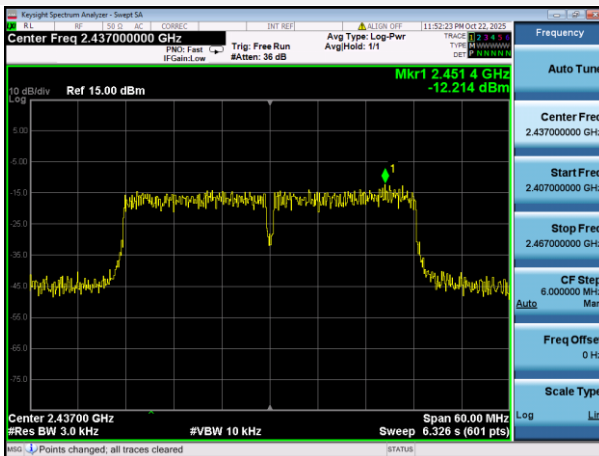
802.11n-20 MHz HIGH CHANNEL



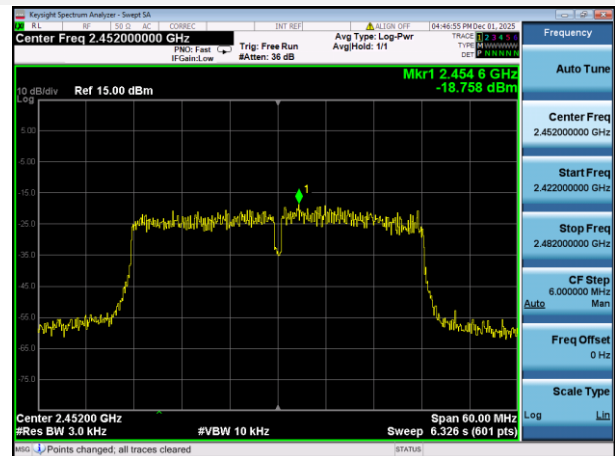
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25A0385-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25A0385-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25A0385-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--