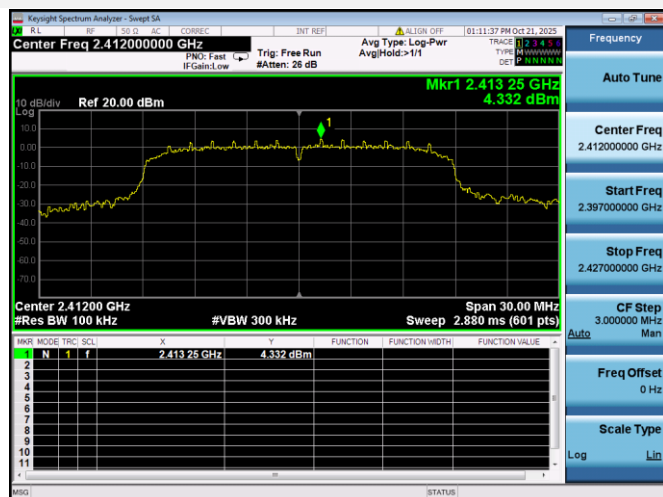
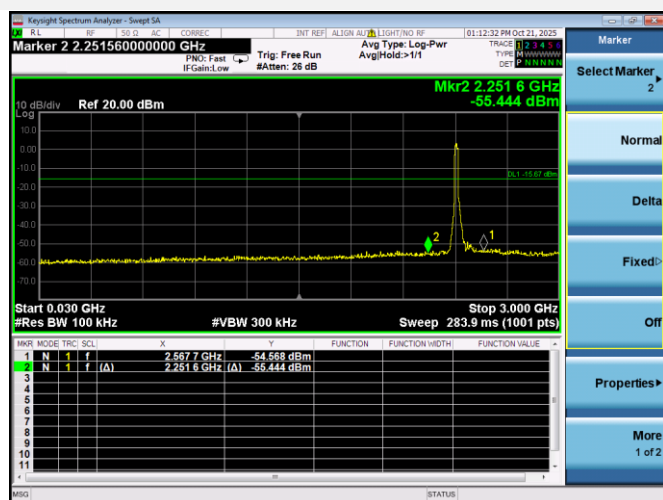
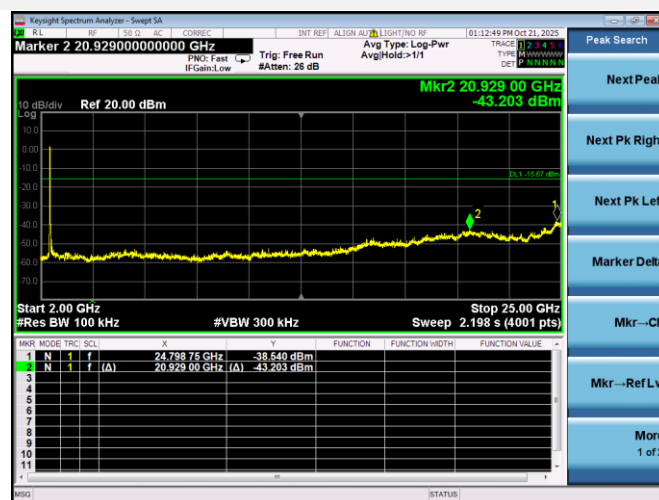
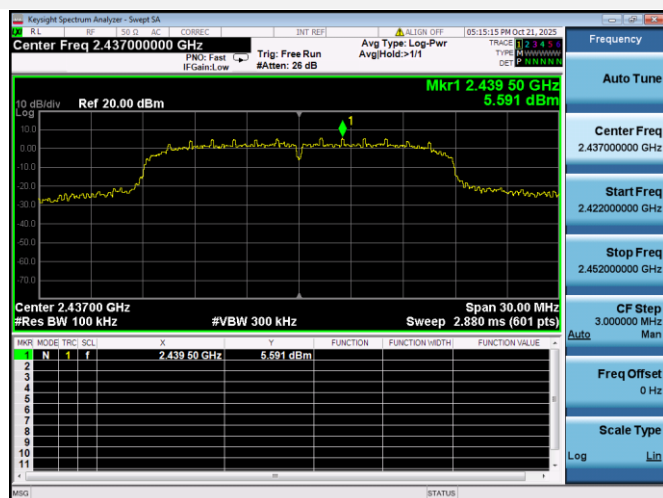


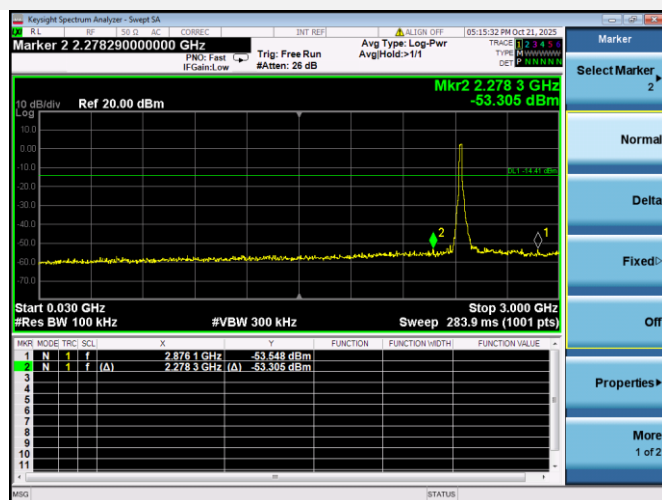
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

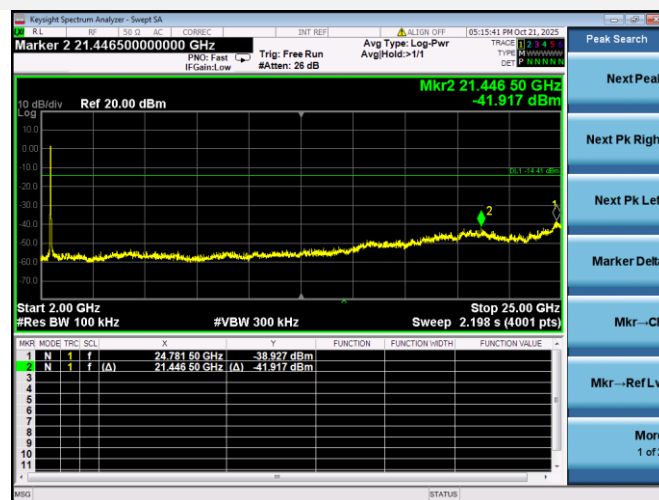
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



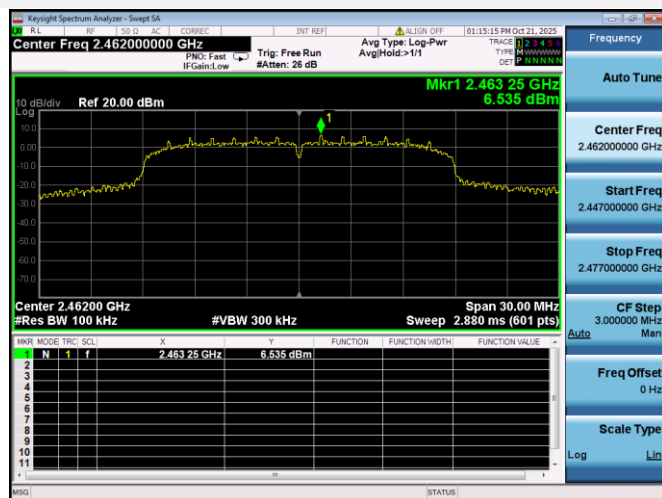
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



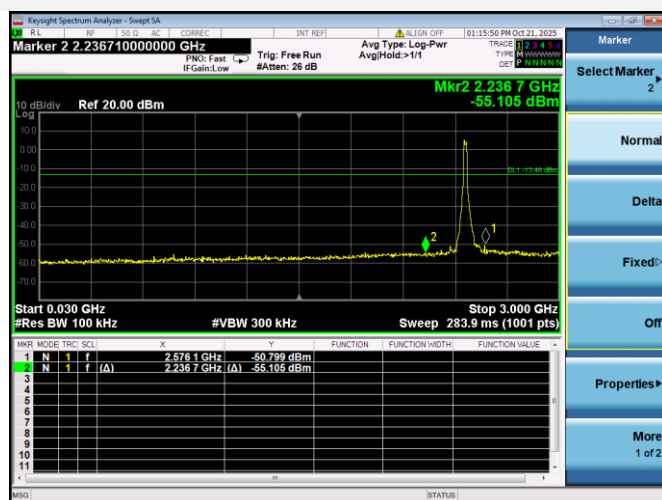
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



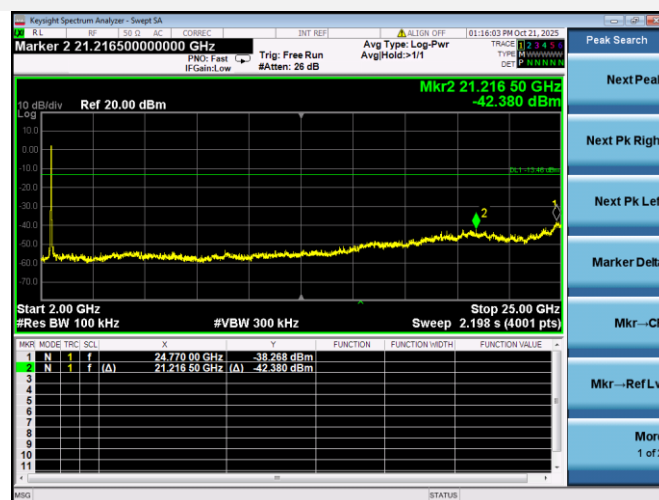
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



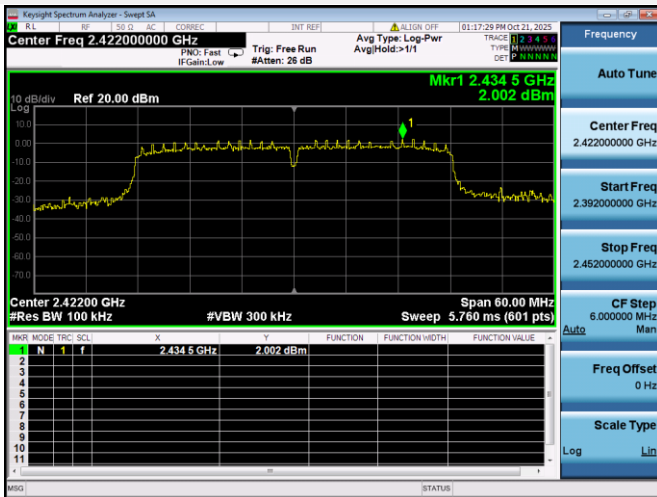
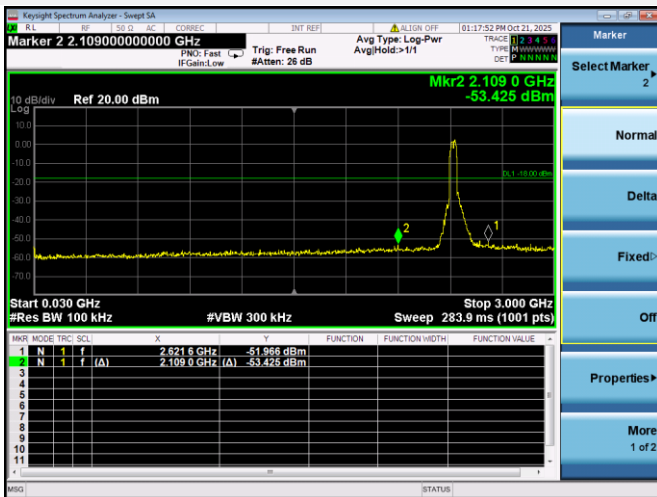
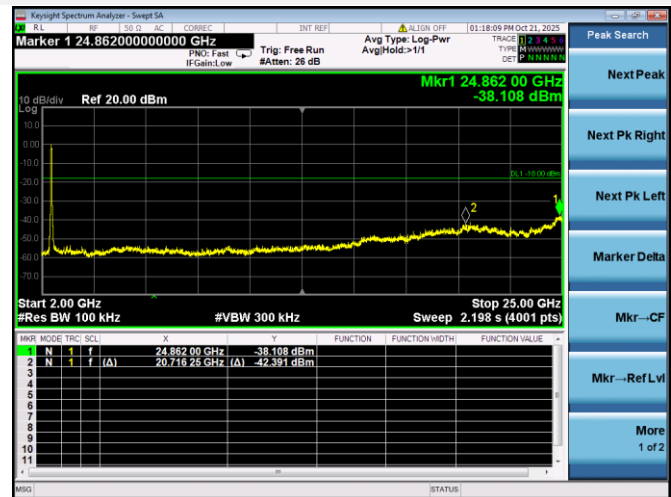
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



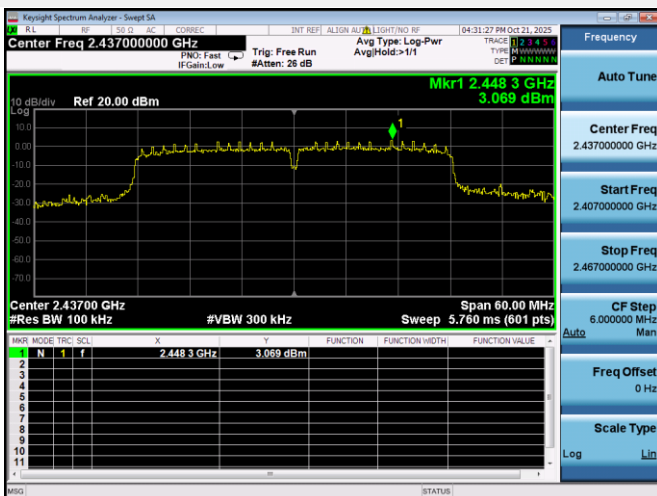
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



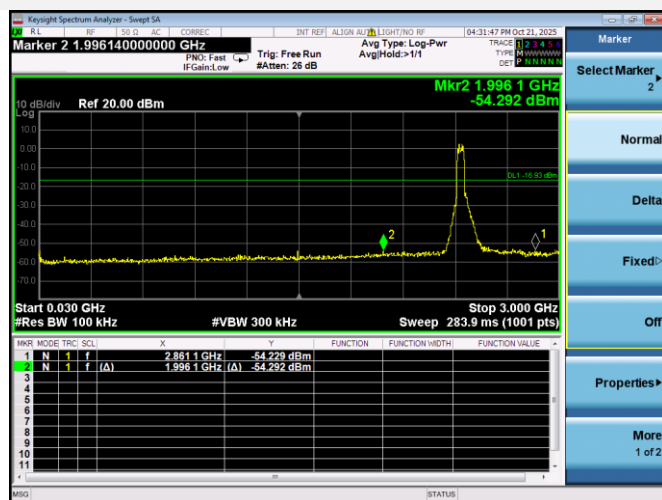
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

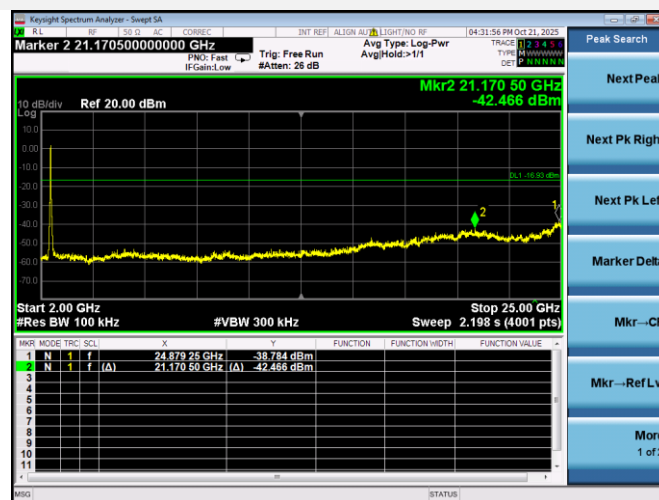
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



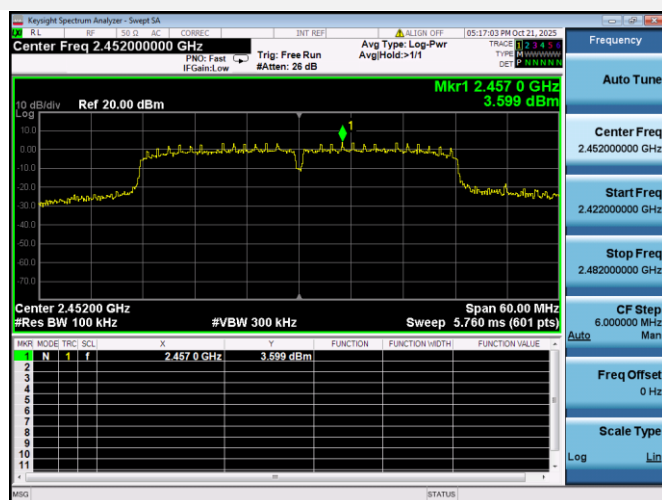
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



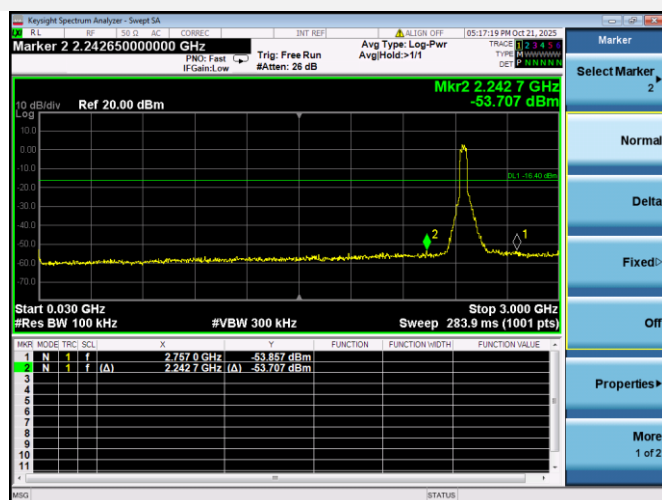
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



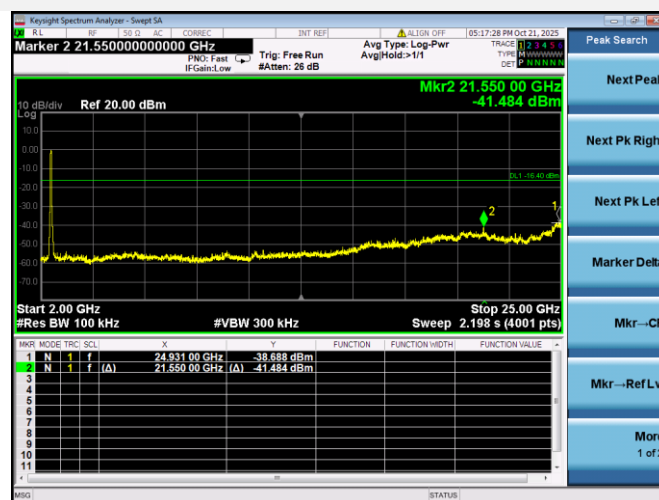
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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	-47.20	6.27	-13.73	Pass
High	-50.61	6.23	-13.78	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.78	4.32	-15.68	Pass
High	-28.07	6.64	-13.36	Pass

802.11n-20 MHz Mode:

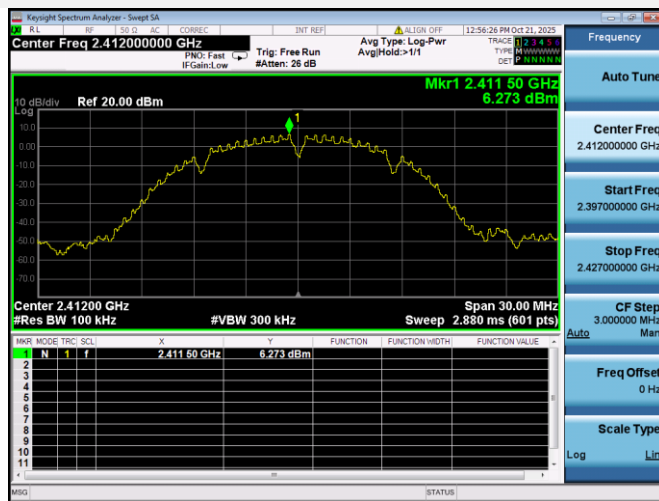
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-30.35	4.33	-15.67	Pass
High	-29.50	6.54	-13.46	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.58	2.00	-18.00	Pass
High	-23.34	3.60	-16.40	Pass

Test Plots

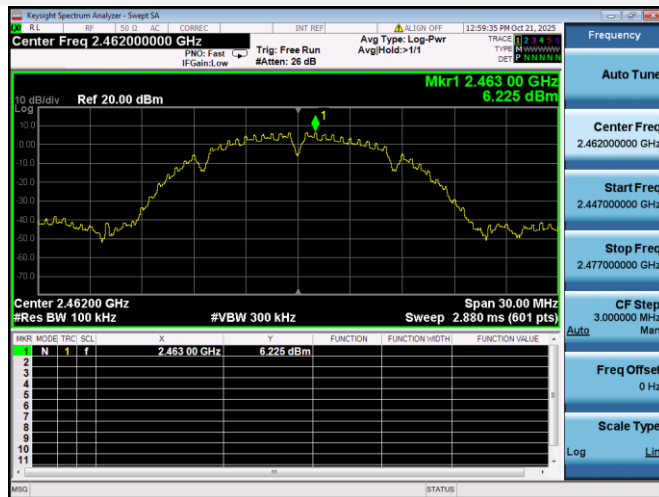
802.11b LOW CHANNEL, CARRIER LEVEL



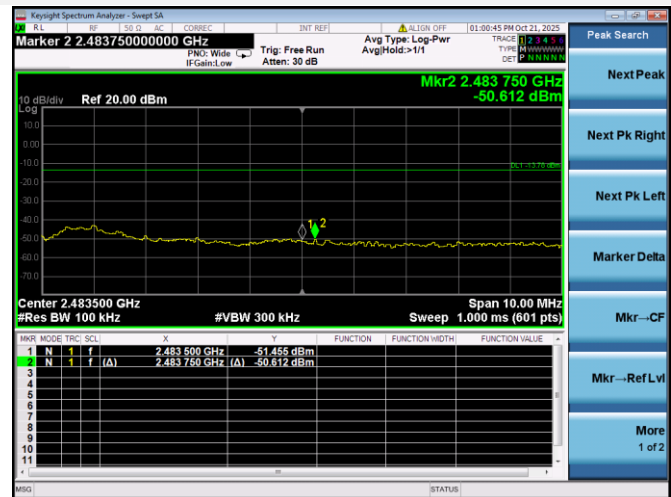
802.11b LOW CHANNEL, BAND EDGE



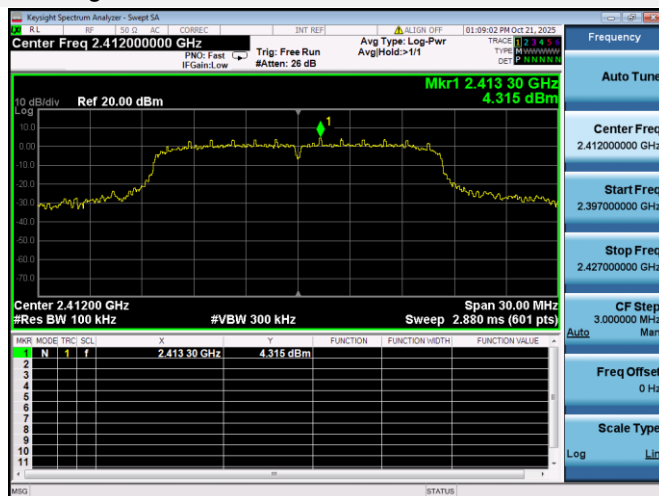
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



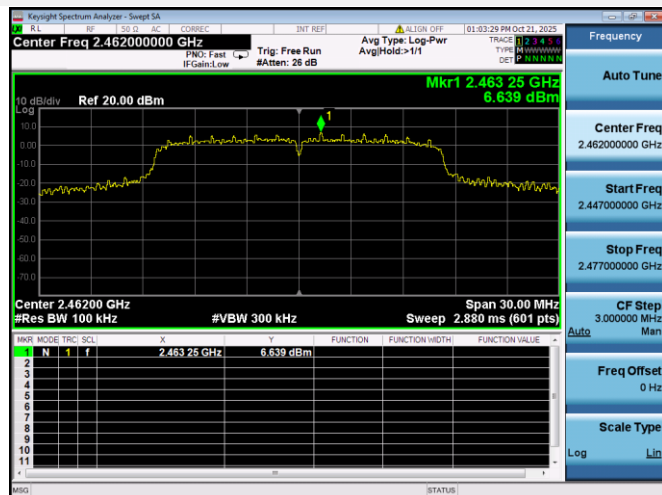
802.11g LOW CHANNEL, CARRIER LEVEL



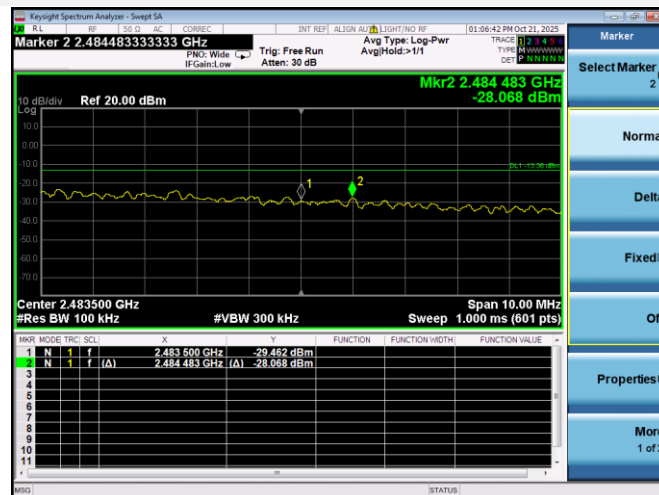
802.11g LOW CHANNEL, BAND EDGE



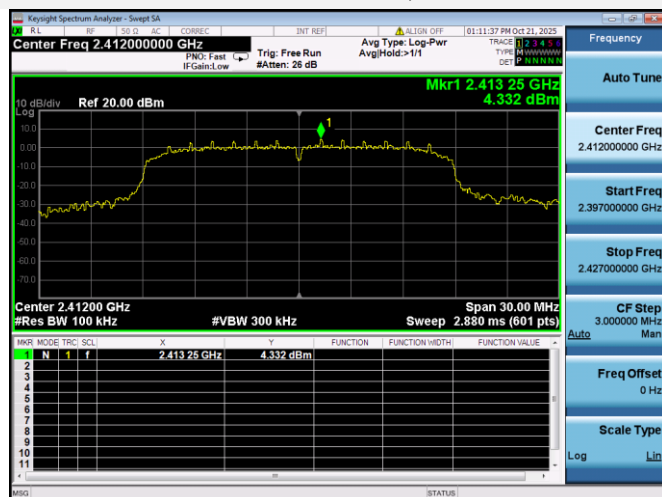
802.11g HIGH CHANNEL, CARRIER LEVEL



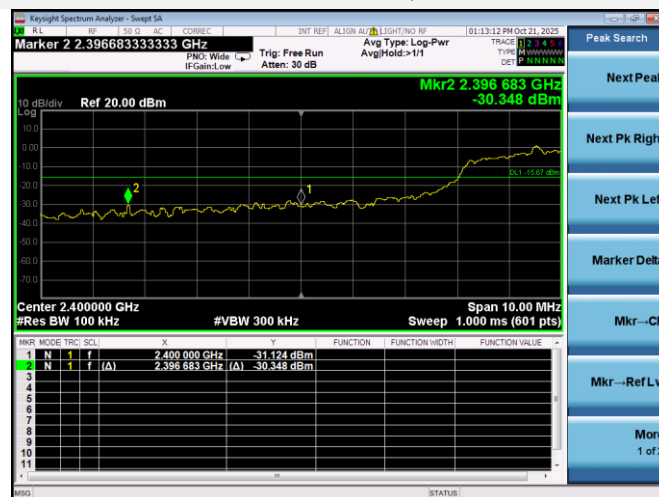
802.11g HIGH CHANNEL, BAND EDGE



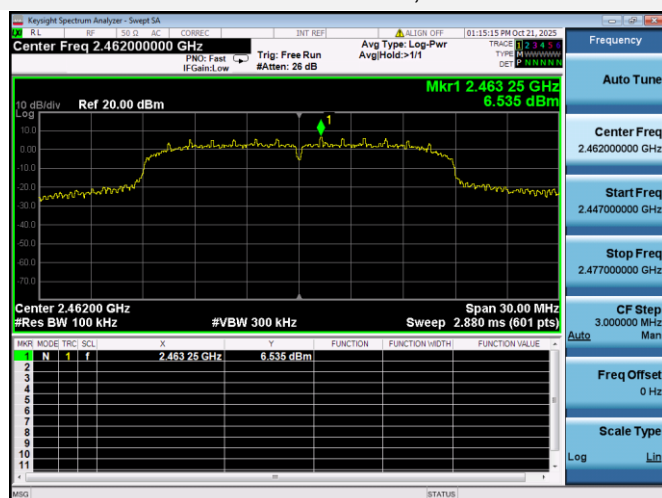
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



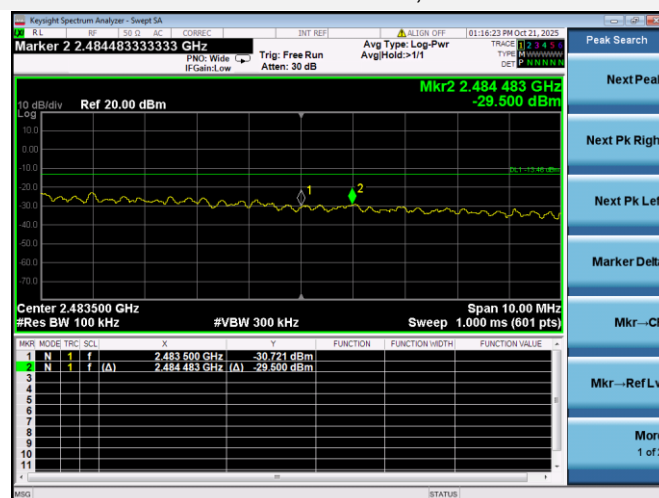
802.11n-20 MHz LOW CHANNEL, BAND EDGE



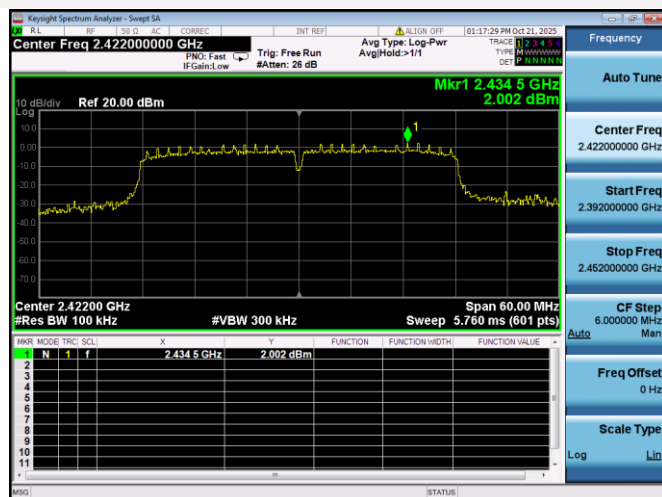
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



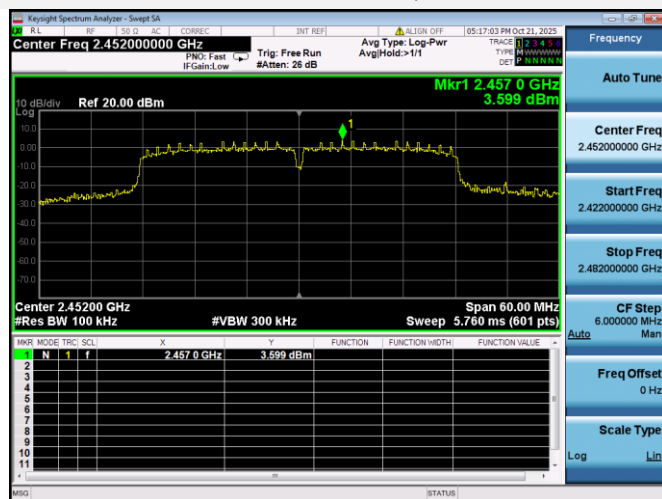
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



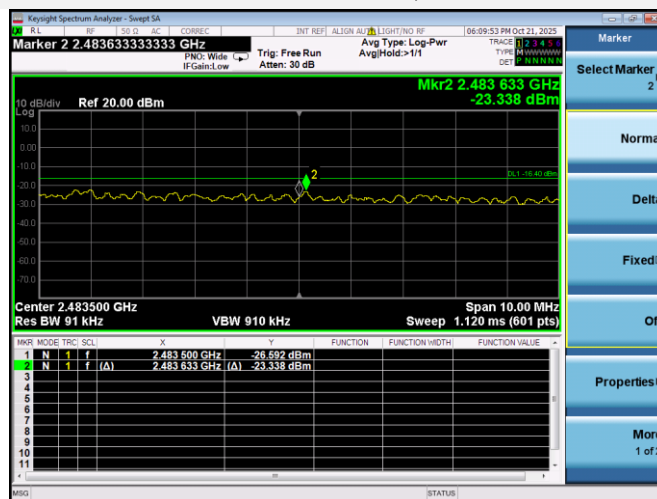
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



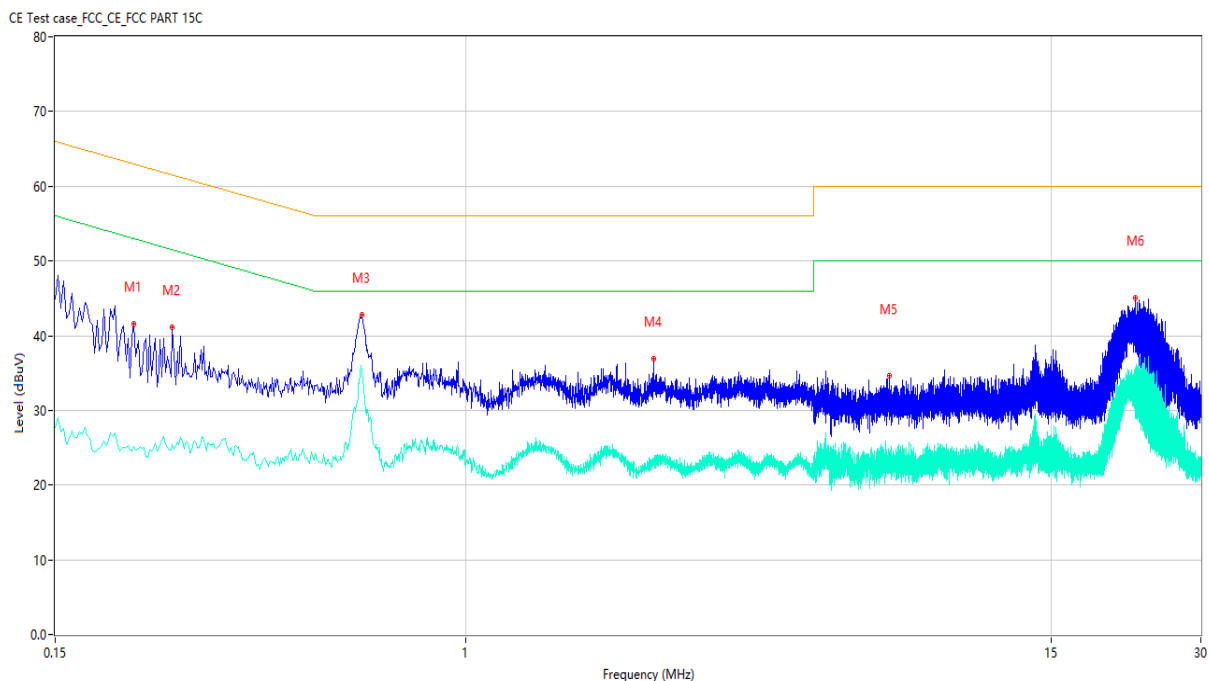
A.5 Conducted Emission

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

Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

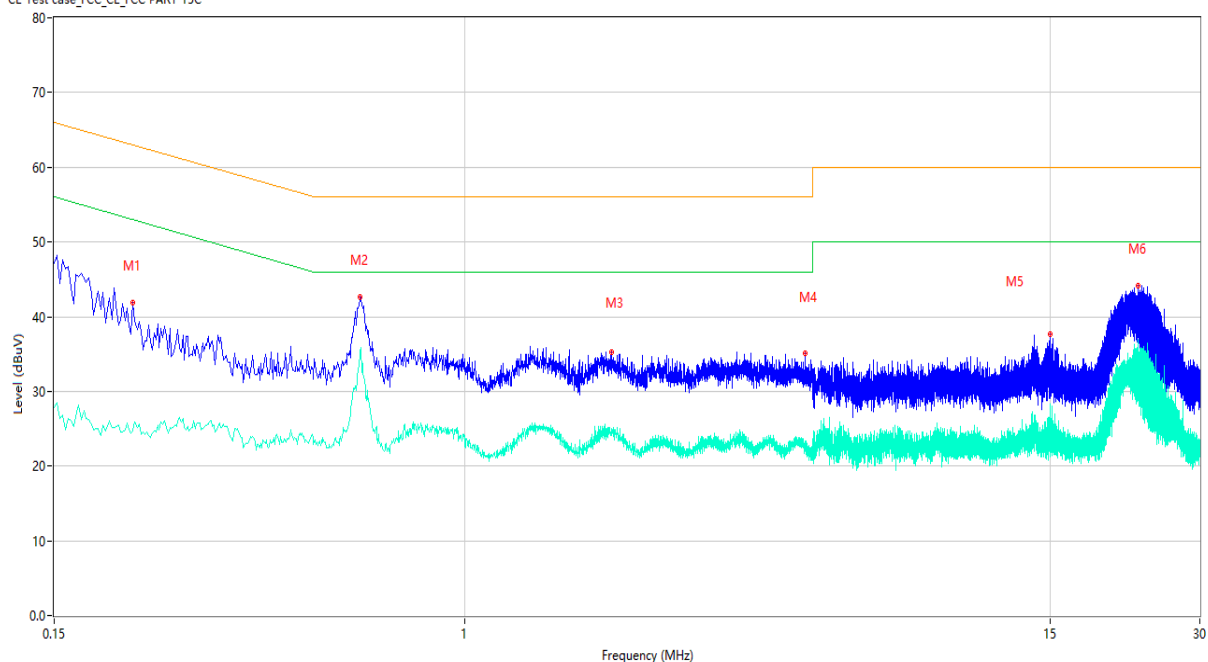
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.216	41.57	10.12	62.97	21.40	Peak	L	Pass
1**	0.216	25.20	10.12	52.97	27.77	AV	L	Pass
2	0.258	41.17	10.12	61.50	20.33	Peak	L	Pass
2**	0.258	25.47	10.12	51.50	26.03	AV	L	Pass
3	0.620	42.74	10.20	56.00	13.26	Peak	L	Pass
3**	0.620	35.25	10.20	46.00	10.75	AV	L	Pass
4	2.392	36.87	10.37	56.00	19.13	Peak	L	Pass
4**	2.392	23.35	10.37	46.00	22.65	AV	L	Pass
5	7.098	34.70	10.73	60.00	25.30	Peak	L	Pass
5**	7.098	22.43	10.73	50.00	27.57	AV	L	Pass
6	22.160	45.11	11.41	60.00	14.89	Peak	L	Pass
6**	22.160	35.63	11.41	50.00	14.37	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	0.216	41.87	10.12	62.97	21.10	Peak	N	Pass
1**	0.216	24.71	10.12	52.97	28.26	AV	N	Pass
2	0.618	42.59	10.20	56.00	13.41	Peak	N	Pass
2*	0.618	35.41	10.20	46.00	10.59	AV	N	Pass
3	1.972	35.25	10.35	56.00	20.75	Peak	N	Pass
3**	1.972	24.03	10.35	46.00	21.97	AV	N	Pass
4	4.842	35.10	10.44	56.00	20.90	Peak	N	Pass
4**	4.842	23.43	10.44	46.00	22.57	AV	N	Pass
5	15.048	37.65	11.18	60.00	22.35	Peak	N	Pass
5**	15.048	28.39	11.18	50.00	21.61	AV	N	Pass
6	22.592	44.17	11.46	60.00	15.83	Peak	N	Pass
6**	22.592	36.98	11.46	50.00	13.02	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.

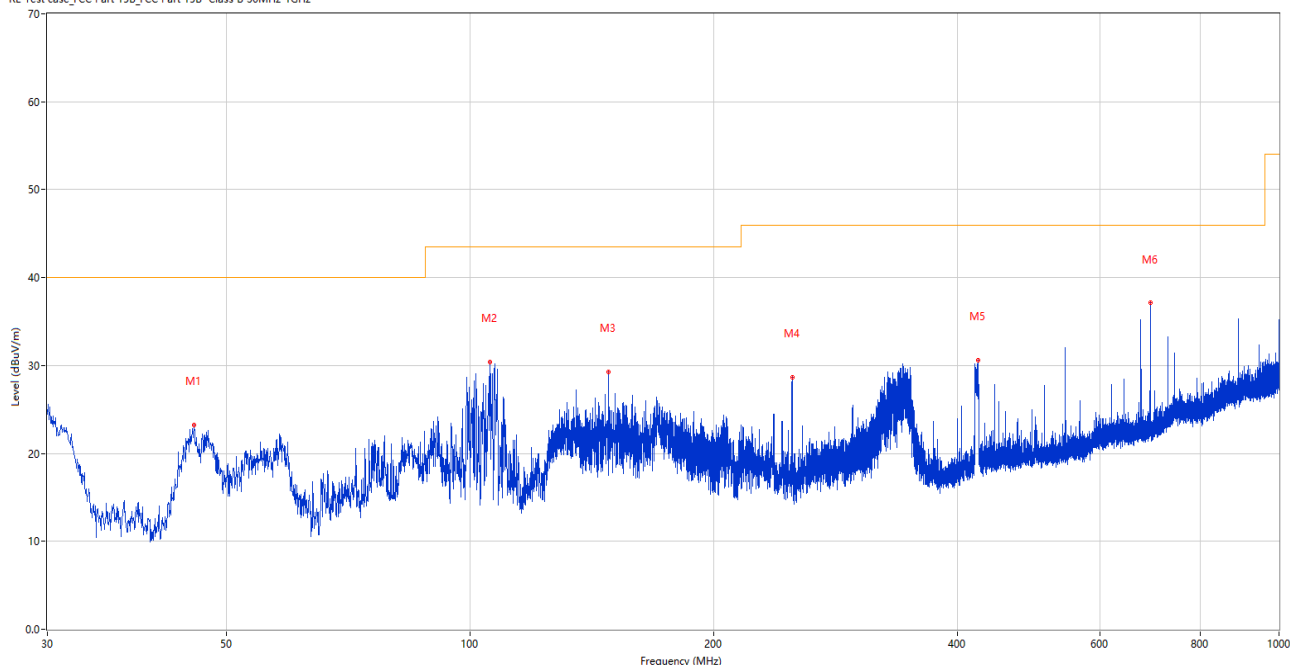
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

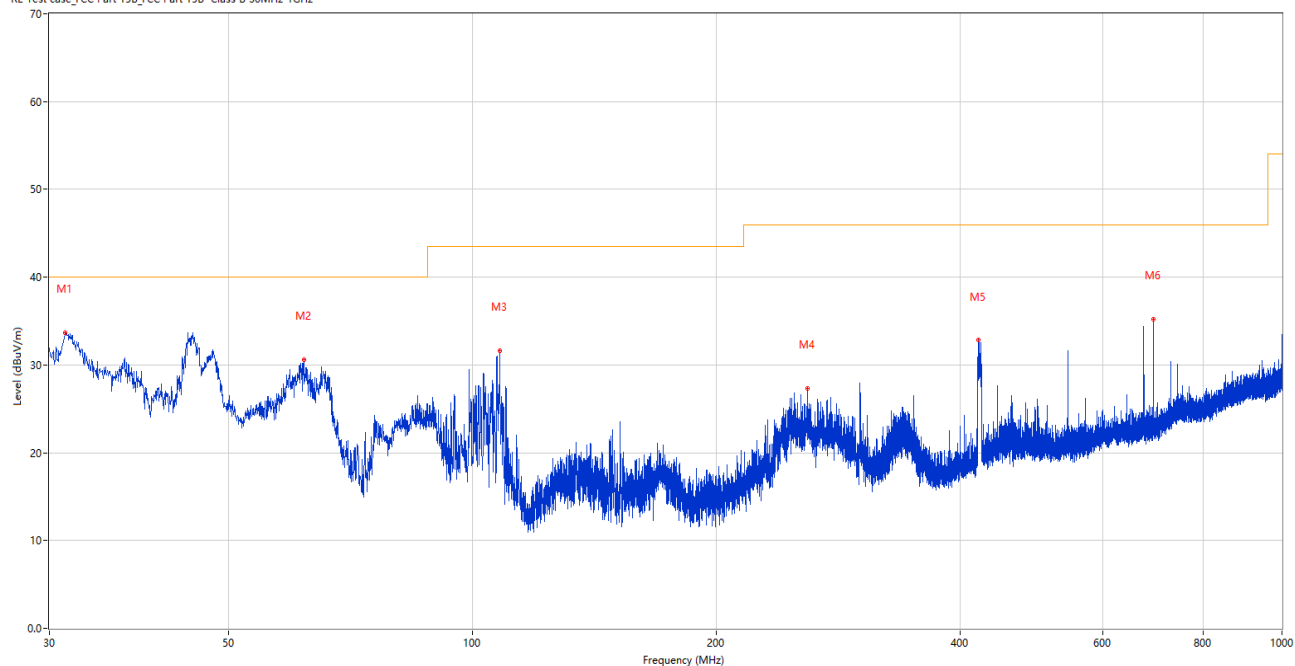
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.569	23.26	-24.76	40.0	16.74	Peak	189.00	200	Horizontal	Pass
2	105.660	30.40	-26.43	43.5	13.10	Peak	205.00	100	Horizontal	Pass
3	148.292	29.29	-29.84	43.5	14.21	Peak	109.00	200	Horizontal	Pass
4	249.996	28.63	-24.38	46.0	17.37	Peak	340.00	200	Horizontal	Pass
5	424.887	30.62	-20.27	46.0	15.38	Peak	143.00	100	Horizontal	Pass
6	692.995	37.11	-14.51	46.0	8.89	Peak	111.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



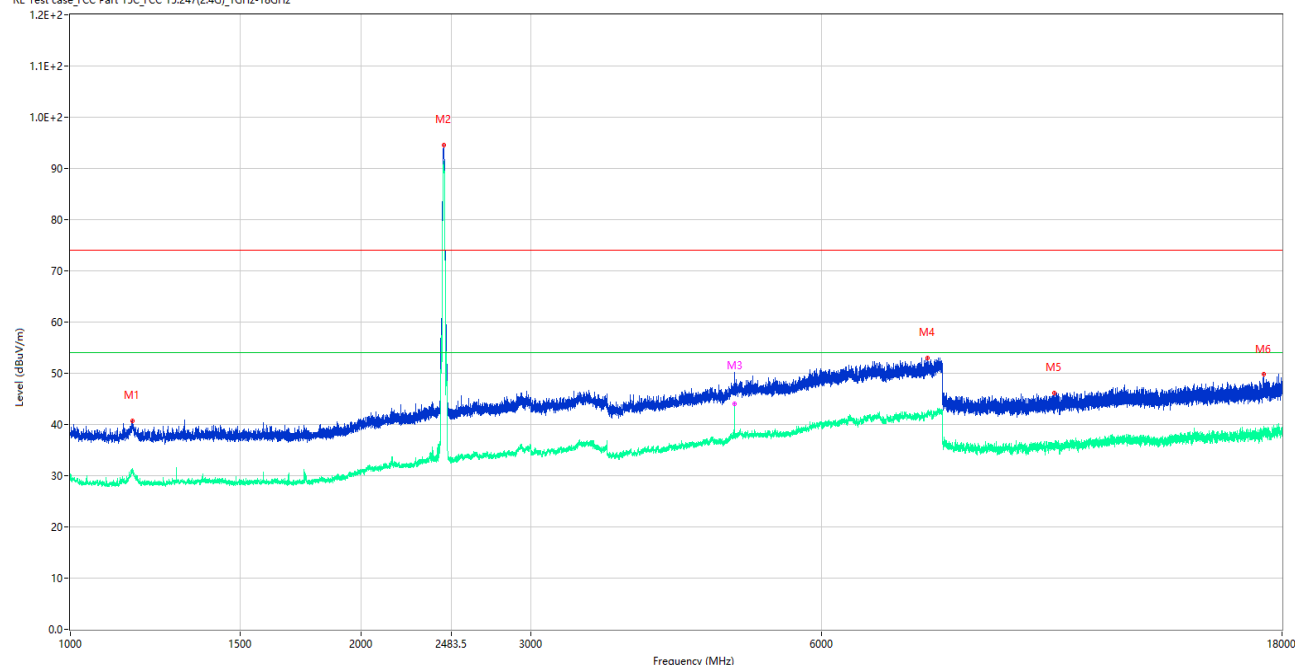
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.407	33.67	-29.06	40.0	6.33	Peak	312.00	100	Vertical	Pass
2	61.864	30.63	-26.63	40.0	9.37	Peak	276.00	100	Vertical	Pass
3	108.036	31.61	-26.65	43.5	11.89	Peak	166.00	100	Vertical	Pass
4	259.599	27.37	-24.46	46.0	18.63	Peak	77.00	200	Vertical	Pass
5	421.444	32.81	-20.28	46.0	13.19	Peak	104.00	100	Vertical	Pass
6	692.995	35.24	-14.51	46.0	10.76	Peak	84.00	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.

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

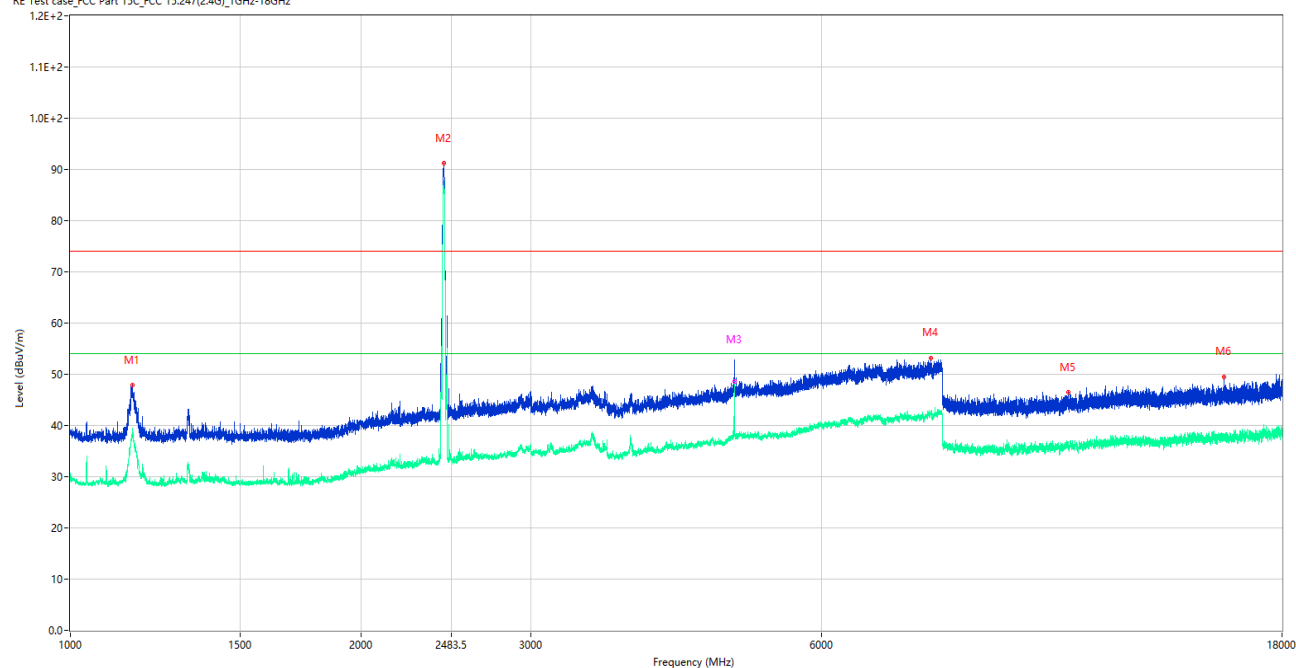
RE Test case FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.500	40.74	-15.49	74.0	33.26	Peak	107.00	150	Horizontal	Pass
1**	1160.500	30.86	-15.49	54.0	23.14	AV	107.00	150	Horizontal	Pass
2	2437.000	94.61	-12.37	74.0	-20.61	Peak	33.00	150	Horizontal	N/A
2**	2437.000	89.64	-12.37	54.0	-35.64	AV	33.00	150	Horizontal	N/A
3	4874.500	49.09	-2.25	74.0	24.91	Peak	314.00	150	Horizontal	Pass
3**	4874.500	44.11	-2.25	54.0	9.89	AV	314.00	150	Horizontal	Pass
4	7733.500	53.06	1.11	74.0	20.94	Peak	273.00	150	Horizontal	Pass
4**	7733.500	42.43	1.11	54.0	11.57	AV	273.00	150	Horizontal	Pass
5	10459.500	46.21	-3.69	74.0	27.79	Peak	359.00	150	Horizontal	Pass
5**	10459.500	35.29	-3.69	54.0	18.71	AV	359.00	150	Horizontal	Pass
6	17250.501	49.79	-0.59	74.0	24.21	Peak	154.00	150	Horizontal	Pass
6**	17250.501	39.25	-0.59	54.0	14.75	AV	154.00	150	Horizontal	Pass

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

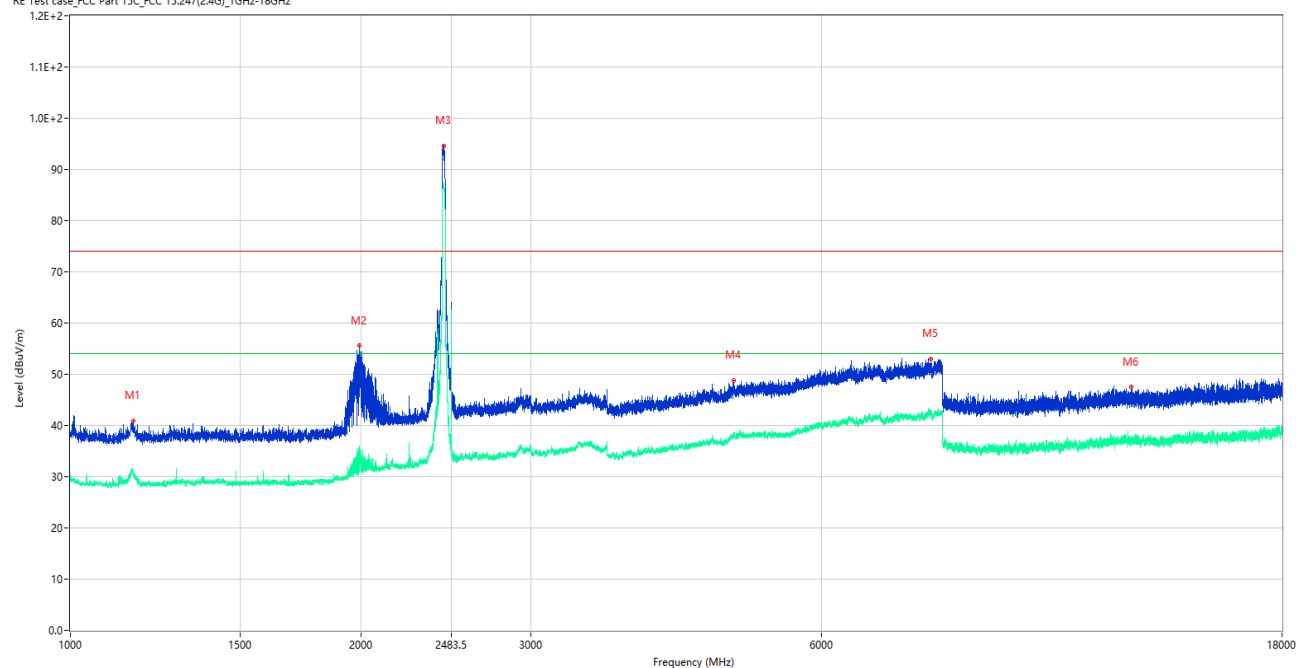
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.750	47.85	-15.53	74.0	26.15	Peak	239.00	150	Vertical	Pass
1**	1158.750	37.62	-15.53	54.0	16.38	AV	239.00	150	Vertical	Pass
2	2437.000	91.17	-12.37	74.0	-17.17	Peak	166.00	150	Vertical	N/A
2**	2437.000	85.87	-12.37	54.0	-31.87	AV	166.00	150	Vertical	N/A
3	4874.500	51.95	-2.25	74.0	22.05	Peak	328.00	150	Vertical	Pass
3**	4874.500	48.68	-2.25	54.0	5.32	AV	328.00	150	Vertical	Pass
4	7793.500	53.22	1.68	74.0	20.78	Peak	80.00	150	Vertical	Pass
4**	7793.500	42.08	1.68	54.0	11.92	AV	80.00	150	Vertical	Pass
5	10803.500	46.43	-3.20	74.0	27.57	Peak	60.00	150	Vertical	Pass
5**	10803.500	36.38	-3.20	54.0	17.62	AV	60.00	150	Vertical	Pass
6	15678.500	49.55	-1.62	74.0	24.45	Peak	205.00	150	Vertical	Pass
6**	15678.500	37.69	-1.62	54.0	16.31	AV	205.00	150	Vertical	Pass

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

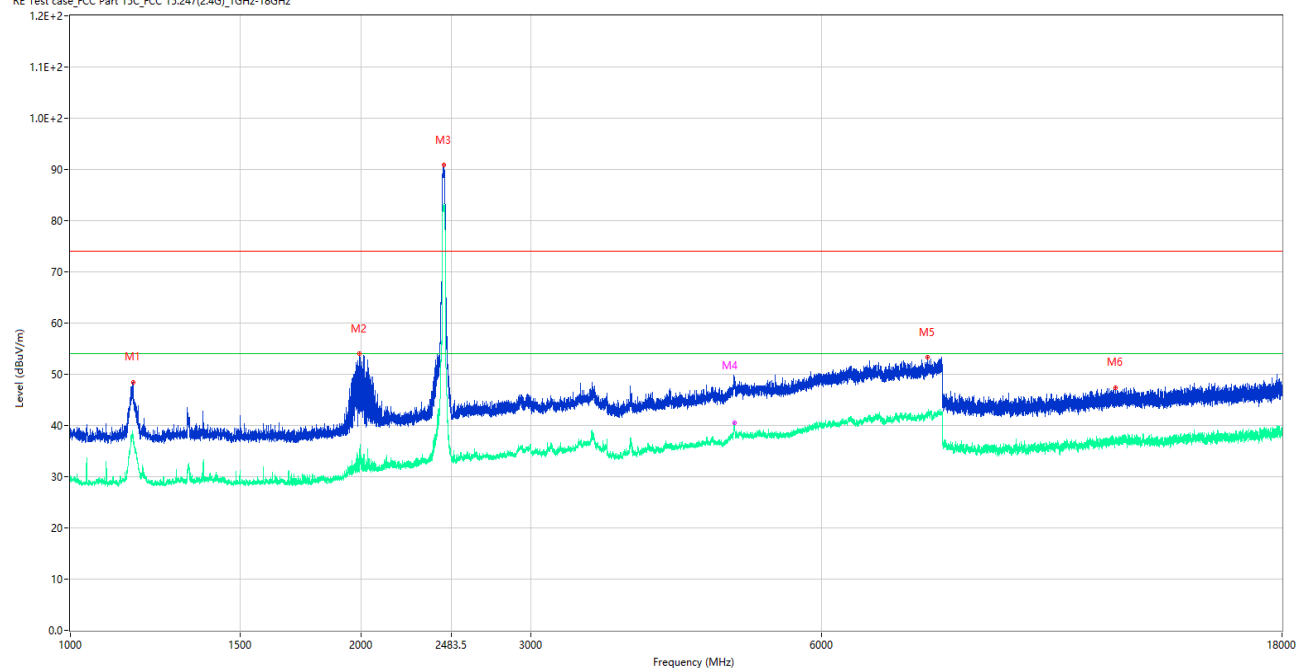
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.250	40.95	-15.47	74.0	33.05	Peak	0.00	150	Horizontal	Pass
1**	1161.250	31.02	-15.47	54.0	22.98	AV	0.00	150	Horizontal	Pass
2	1993.000	55.53	-14.65	74.0	18.47	Peak	95.00	150	Horizontal	Pass
2**	1993.000	30.84	-14.65	54.0	23.16	AV	95.00	150	Horizontal	Pass
3	2439.500	94.61	-12.37	74.0	-20.61	Peak	33.00	150	Horizontal	N/A
3**	2439.500	86.99	-12.37	54.0	-32.99	AV	33.00	150	Horizontal	N/A
4	4867.000	48.80	-2.11	74.0	25.20	Peak	120.00	150	Horizontal	Pass
4**	4867.000	38.64	-2.11	54.0	15.36	AV	120.00	150	Horizontal	Pass
5	7789.000	52.91	1.61	74.0	21.09	Peak	14.00	150	Horizontal	Pass
5**	7789.000	42.64	1.61	54.0	11.36	AV	14.00	150	Horizontal	Pass
6	12571.000	47.53	-2.89	74.0	26.47	Peak	39.00	150	Horizontal	Pass
6**	12571.000	37.63	-2.89	54.0	16.37	AV	39.00	150	Horizontal	Pass

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

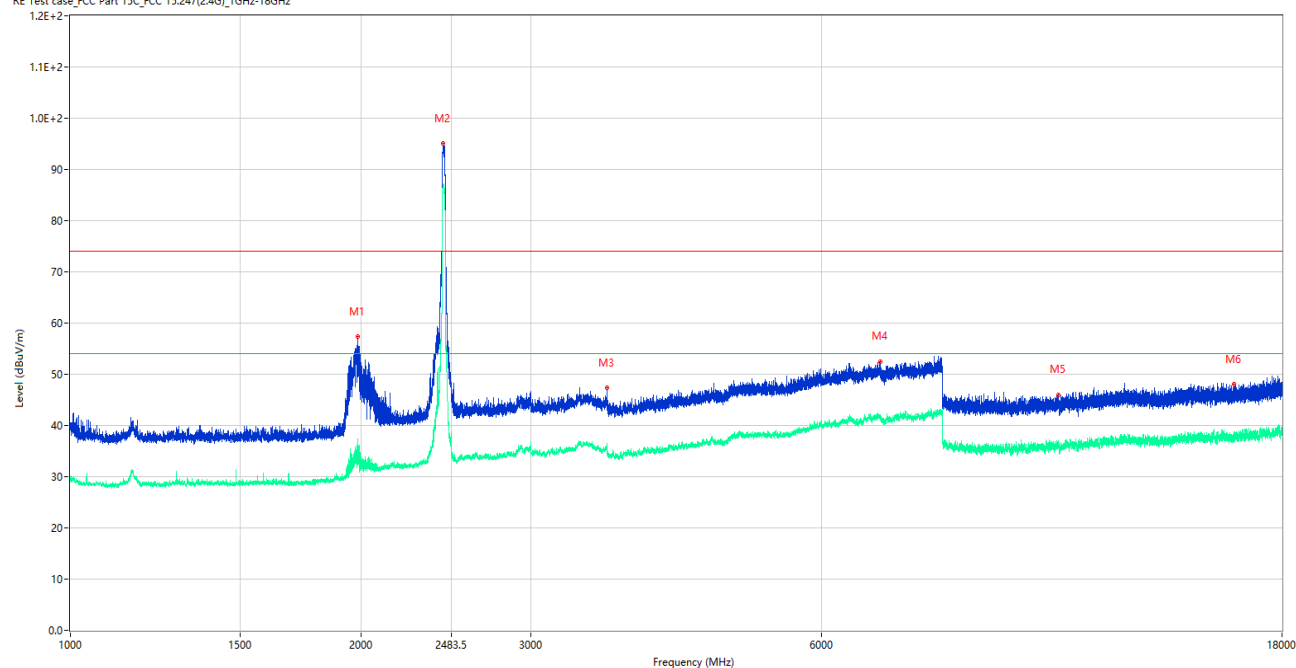
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.000	48.45	-15.47	74.0	25.55	Peak	245.00	150	Vertical	Pass
1**	1161.000	37.55	-15.47	54.0	16.45	AV	245.00	150	Vertical	Pass
2	1993.750	54.02	-14.62	74.0	19.98	Peak	1.00	150	Vertical	Pass
2**	1993.750	33.39	-14.62	54.0	20.61	AV	1.00	150	Vertical	Pass
3	2438.500	90.83	-12.37	74.0	-16.83	Peak	166.00	150	Vertical	N/A
3**	2438.500	83.40	-12.37	54.0	-29.40	AV	166.00	150	Vertical	N/A
4	4872.500	49.46	-2.22	74.0	24.54	Peak	4.00	150	Vertical	Pass
4**	4872.500	40.60	-2.22	54.0	13.40	AV	4.00	150	Vertical	Pass
5	7731.000	53.33	0.96	74.0	20.67	Peak	258.00	150	Vertical	Pass
5**	7731.000	42.15	0.96	54.0	11.85	AV	258.00	150	Vertical	Pass
6	12098.500	47.42	-3.16	74.0	26.58	Peak	350.00	150	Vertical	Pass
6**	12098.500	37.09	-3.16	54.0	16.91	AV	350.00	150	Vertical	Pass

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

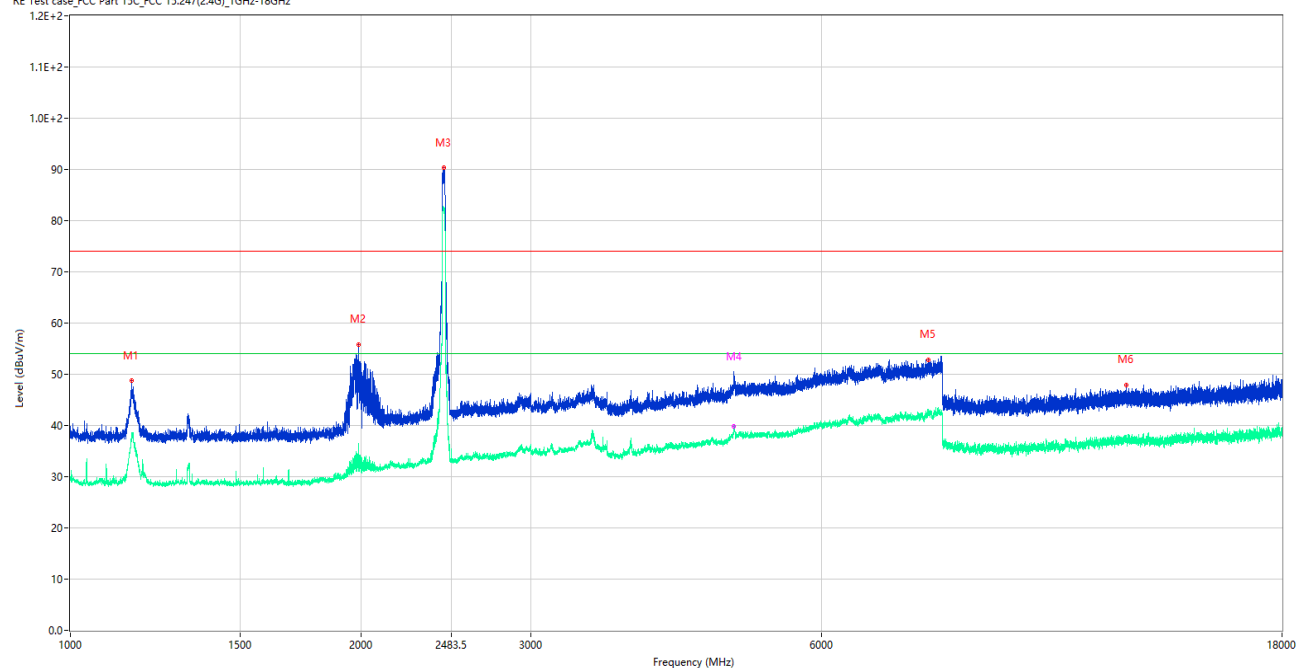
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1984.250	57.35	-14.88	74.0	16.65	Peak	107.00	150	Horizontal	Pass
1**	1984.250	34.81	-14.88	54.0	19.19	AV	107.00	150	Horizontal	Pass
2	2431.500	95.00	-12.28	74.0	-21.00	Peak	33.00	150	Horizontal	N/A
2**	2431.500	86.94	-12.28	54.0	-32.94	AV	33.00	150	Horizontal	N/A
3	3597.500	47.32	-5.10	74.0	26.68	Peak	3.00	150	Horizontal	Pass
3**	3597.500	36.38	-5.10	54.0	17.62	AV	3.00	150	Horizontal	Pass
4	6900.000	52.51	0.64	74.0	21.49	Peak	359.00	150	Horizontal	Pass
4**	6900.000	41.84	0.64	54.0	12.16	AV	359.00	150	Horizontal	Pass
5	10557.500	45.88	-3.35	74.0	28.12	Peak	1.00	150	Horizontal	Pass
5**	10557.500	35.88	-3.35	54.0	18.12	AV	1.00	150	Horizontal	Pass
6	16060.500	48.09	-1.40	74.0	25.91	Peak	1.00	150	Horizontal	Pass
6**	16060.500	38.05	-1.40	54.0	15.95	AV	1.00	150	Horizontal	Pass

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

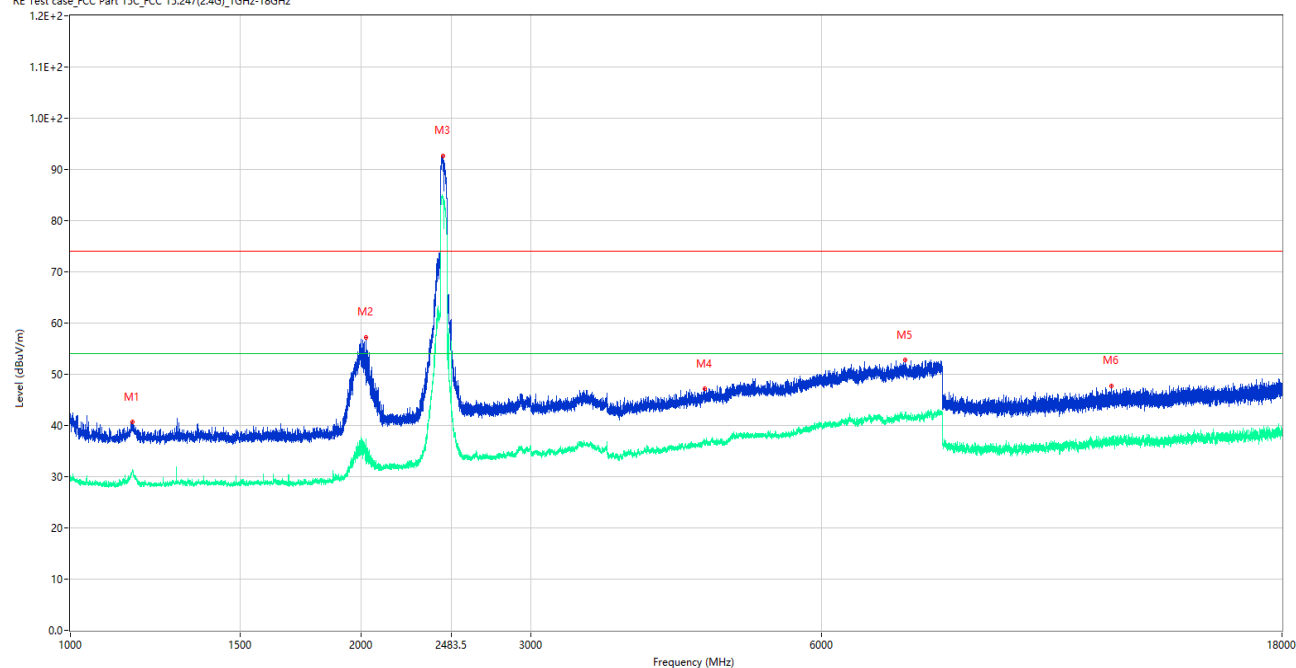
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.000	48.71	-15.54	74.0	25.29	Peak	231.00	150	Vertical	Pass
1**	1158.000	37.63	-15.54	54.0	16.37	AV	231.00	150	Vertical	Pass
2	1987.500	55.84	-14.81	74.0	18.16	Peak	199.00	150	Vertical	Pass
2**	1987.500	34.11	-14.81	54.0	19.89	AV	199.00	150	Vertical	Pass
3	2440.000	90.30	-12.37	74.0	-16.30	Peak	167.00	150	Vertical	N/A
3**	2440.000	82.27	-12.37	54.0	-28.27	AV	167.00	150	Vertical	N/A
4	4871.000	48.64	-2.19	74.0	25.36	Peak	360.00	150	Vertical	Pass
4**	4871.000	39.79	-2.19	54.0	14.21	AV	360.00	150	Vertical	Pass
5	7743.500	52.86	1.35	74.0	21.14	Peak	134.00	150	Vertical	Pass
5**	7743.500	42.46	1.35	54.0	11.54	AV	134.00	150	Vertical	Pass
6	12426.000	47.90	-2.11	74.0	26.10	Peak	240.00	150	Vertical	Pass
6**	12426.000	37.27	-2.11	54.0	16.73	AV	240.00	150	Vertical	Pass

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

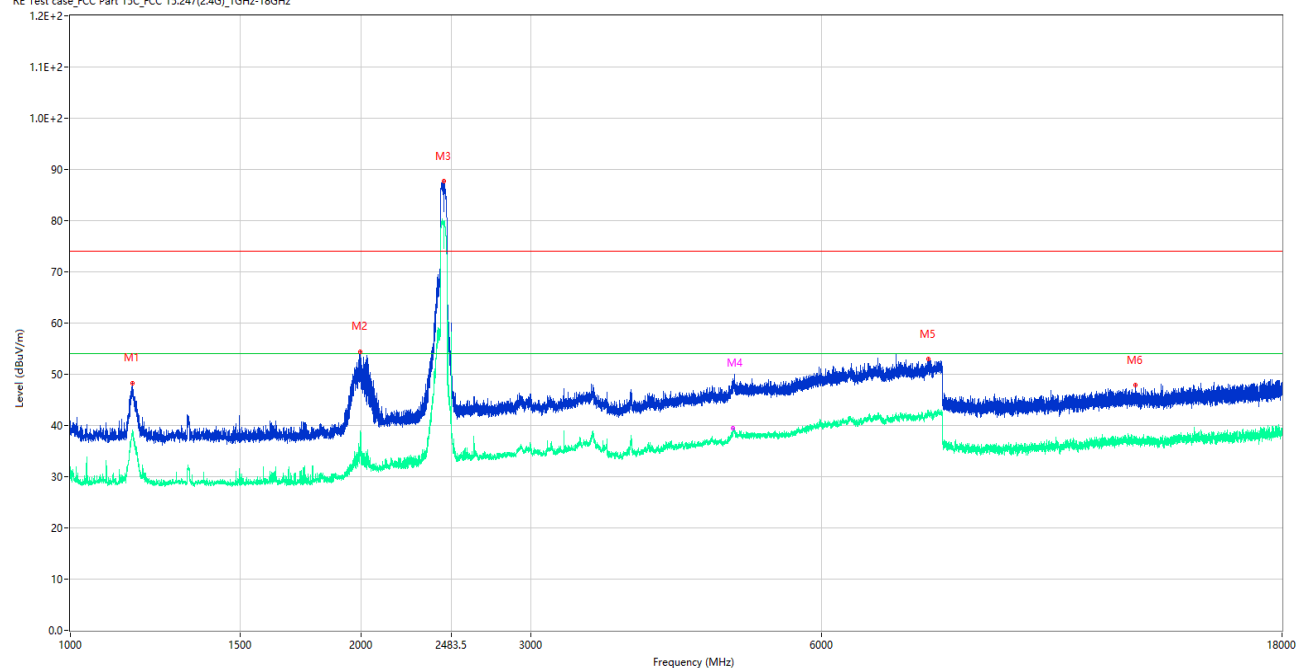
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.500	40.71	-15.51	74.0	33.29	Peak	48.00	150	Horizontal	Pass
1**	1159.500	31.37	-15.51	54.0	22.63	AV	48.00	150	Horizontal	Pass
2	2025.250	57.22	-13.96	74.0	16.78	Peak	318.00	150	Horizontal	Pass
2**	2025.250	33.13	-13.96	54.0	20.87	AV	318.00	150	Horizontal	Pass
3	2432.000	92.64	-12.28	74.0	-18.64	Peak	29.00	150	Horizontal	N/A
3**	2432.000	84.44	-12.28	54.0	-30.44	AV	29.00	150	Horizontal	N/A
4	4543.500	47.16	-3.24	74.0	26.84	Peak	230.00	150	Horizontal	Pass
4**	4543.500	36.15	-3.24	54.0	17.85	AV	230.00	150	Horizontal	Pass
5	7320.500	52.72	0.72	74.0	21.28	Peak	161.00	150	Horizontal	Pass
5**	7320.500	41.56	0.72	54.0	12.44	AV	161.00	150	Horizontal	Pass
6	11975.999	47.75	-3.18	74.0	26.25	Peak	329.00	150	Horizontal	Pass
6**	11975.999	36.99	-3.18	54.0	17.01	AV	329.00	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	1160.750	48.28	-15.48	74.0	25.72	Peak	228.00	150	Vertical	Pass
1**	1160.750	39.21	-15.48	54.0	14.79	AV	228.00	150	Vertical	Pass
2	1997.500	54.40	-14.41	74.0	19.60	Peak	197.00	150	Vertical	Pass
2**	1997.500	37.98	-14.41	54.0	16.02	AV	197.00	150	Vertical	Pass
3	2439.500	87.68	-12.37	74.0	-13.68	Peak	166.00	150	Vertical	N/A
3**	2439.500	79.88	-12.37	54.0	-25.88	AV	166.00	150	Vertical	N/A
4	4859.000	47.63	-2.04	74.0	26.37	Peak	0.00	150	Vertical	Pass
4**	4859.000	39.40	-2.04	54.0	14.60	AV	0.00	150	Vertical	Pass
5	7735.500	52.93	1.17	74.0	21.07	Peak	0.00	150	Vertical	Pass
5**	7735.500	42.38	1.17	54.0	11.62	AV	0.00	150	Vertical	Pass
6	12679.999	47.84	-2.89	74.0	26.16	Peak	31.00	150	Vertical	Pass
6**	12679.999	37.14	-2.89	54.0	16.86	AV	31.00	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.

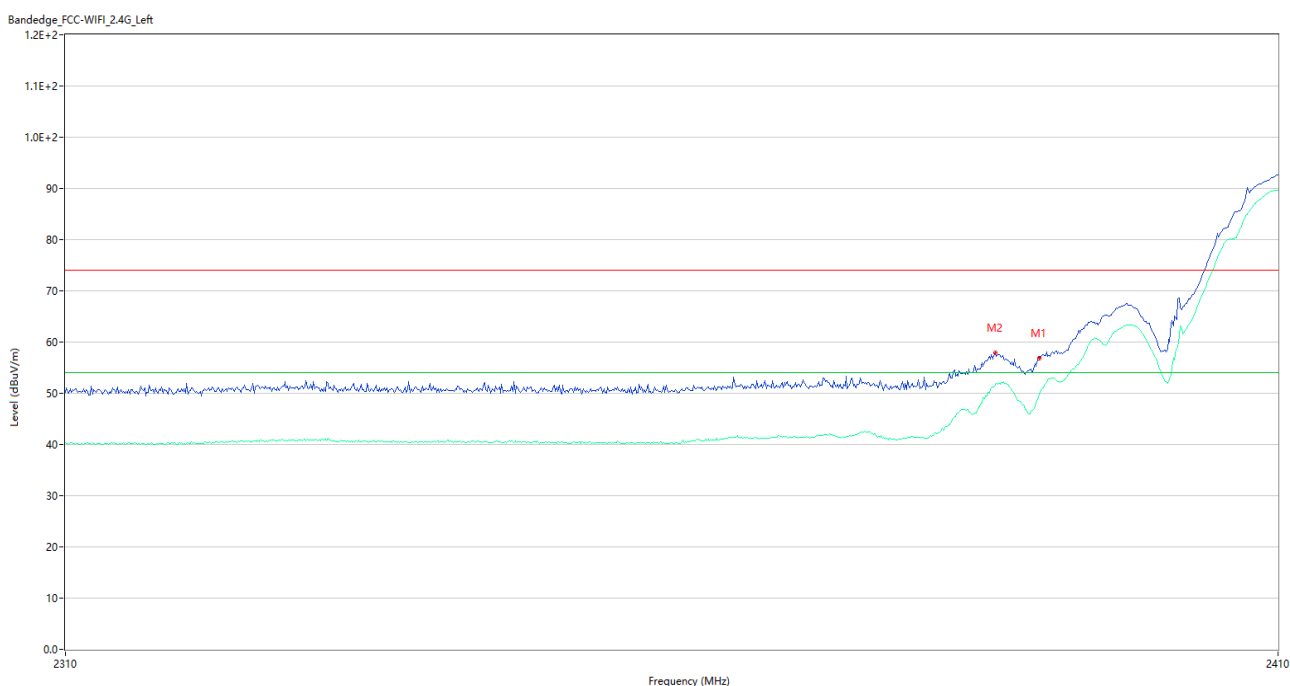
Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

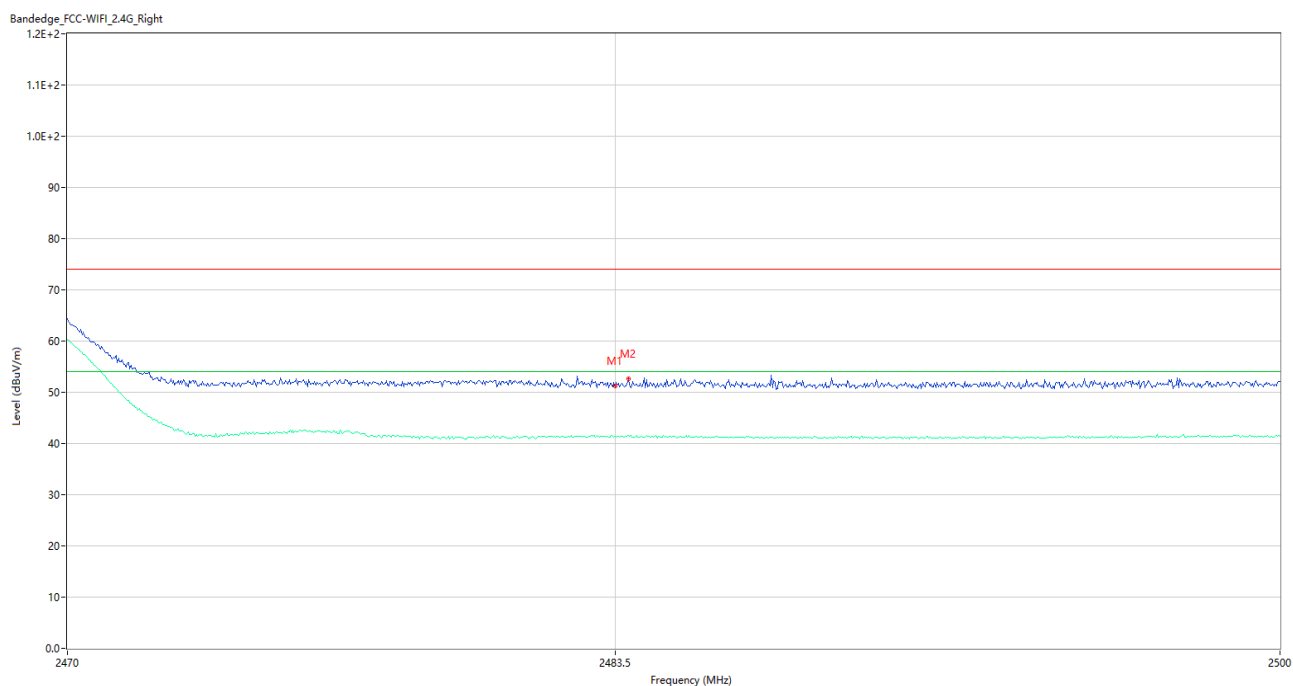
Test Data and Plots

802.11b LOW CHANNEL



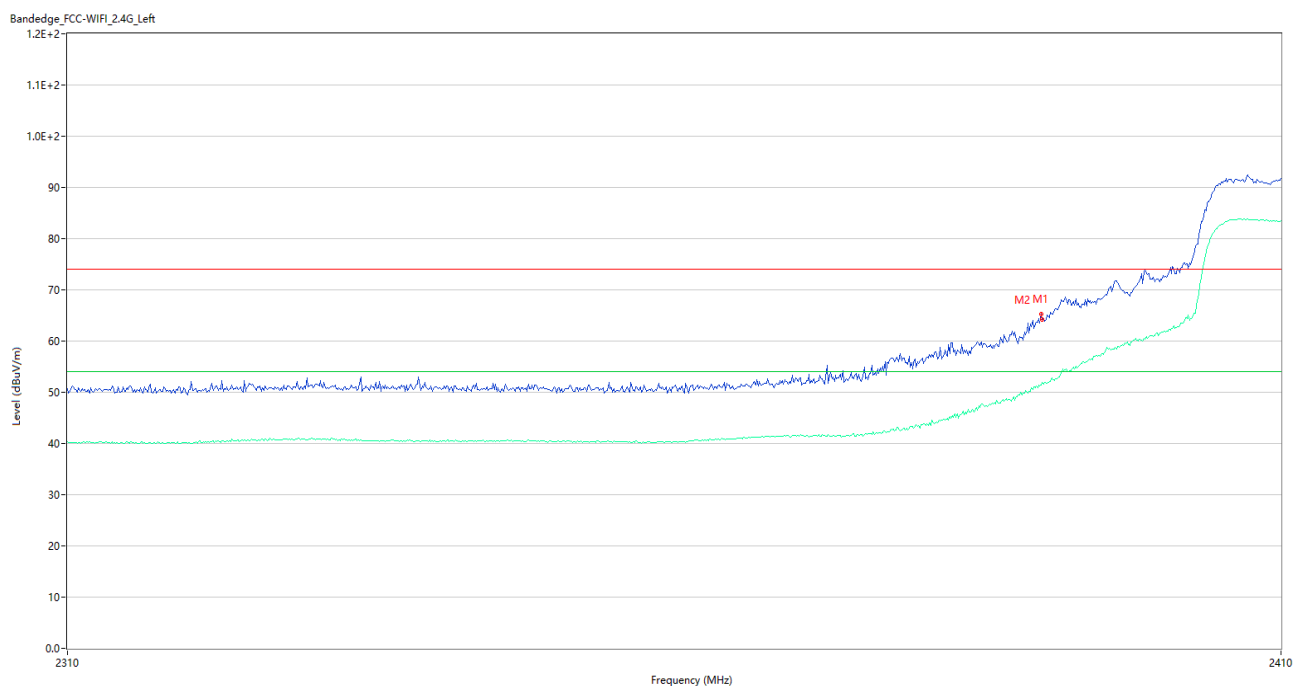
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	56.82	-4.87	74.0	17.18	Peak	21.00	150	Horizontal	Pass
1**	2390.000	49.83	-4.87	54.0	4.17	AV	21.00	150	Horizontal	Pass
2	2386.300	57.94	-4.65	74.0	16.06	Peak	19.00	150	Horizontal	Pass
2**	2386.300	51.60	-4.65	54.0	2.40	AV	19.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



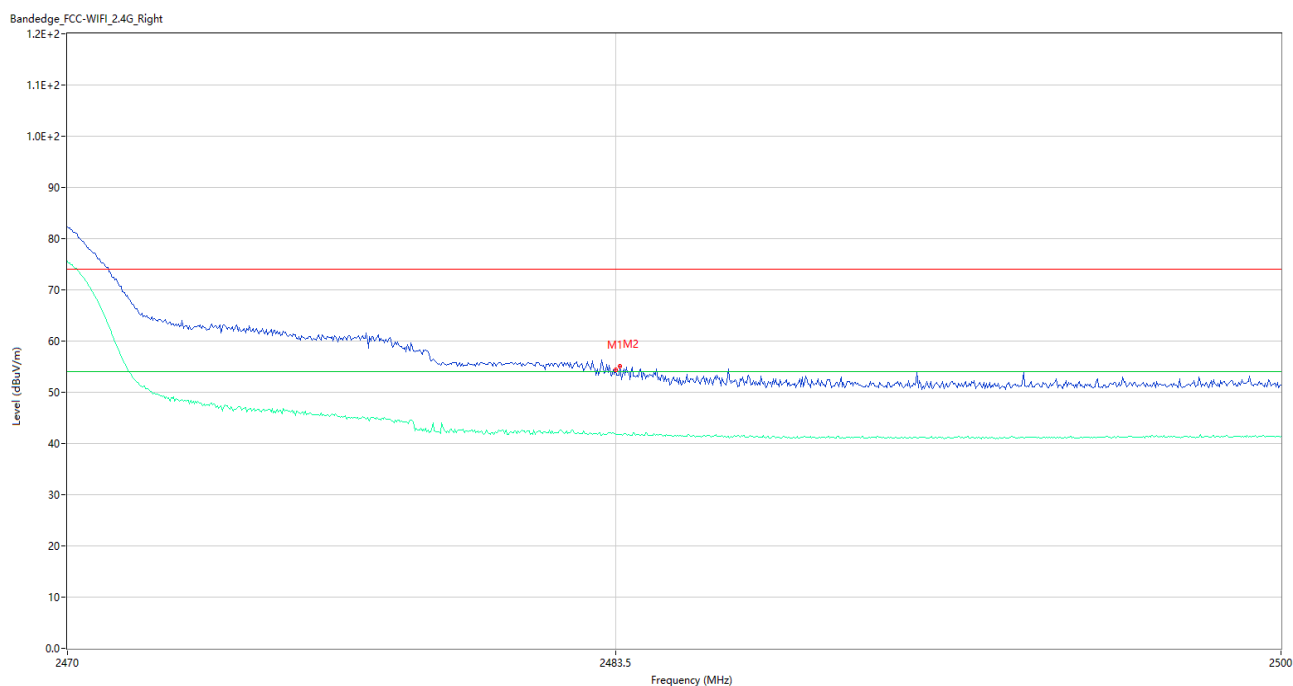
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.24	-3.78	74.0	22.76	Peak	26.00	150	Vertical	Pass
1**	2483.500	41.45	-3.78	54.0	12.55	AV	26.00	150	Vertical	Pass
2	2483.830	52.70	-3.78	74.0	21.30	Peak	88.00	150	Vertical	Pass
2**	2483.830	41.59	-3.78	54.0	12.41	AV	88.00	150	Vertical	Pass

802.11g LOW CHANNEL



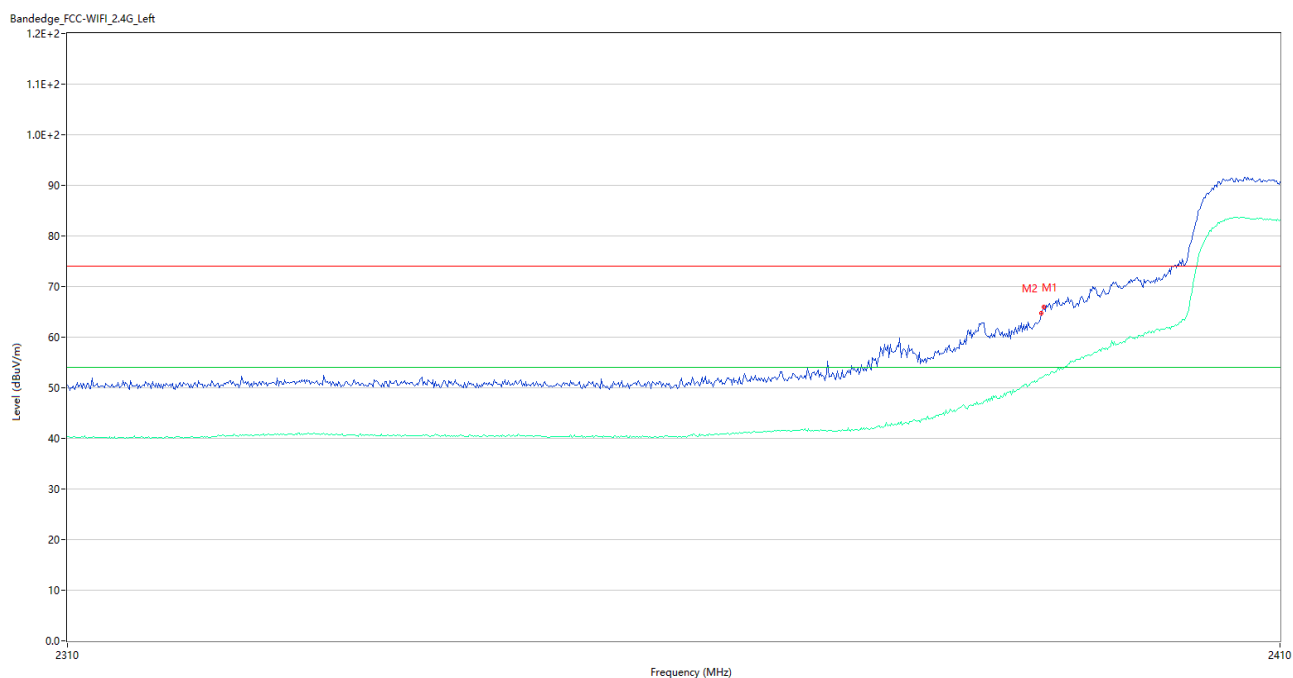
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.19	-4.87	74.0	9.81	Peak	16.01	150	Horizontal	Pass
1**	2390.000	51.95	-4.87	54.0	2.05	AV	16.01	150	Horizontal	Pass
2	2389.900	65.19	-4.87	74.0	8.81	Peak	22.00	150	Horizontal	Pass
2**	2389.900	51.36	-4.87	54.0	2.64	AV	22.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



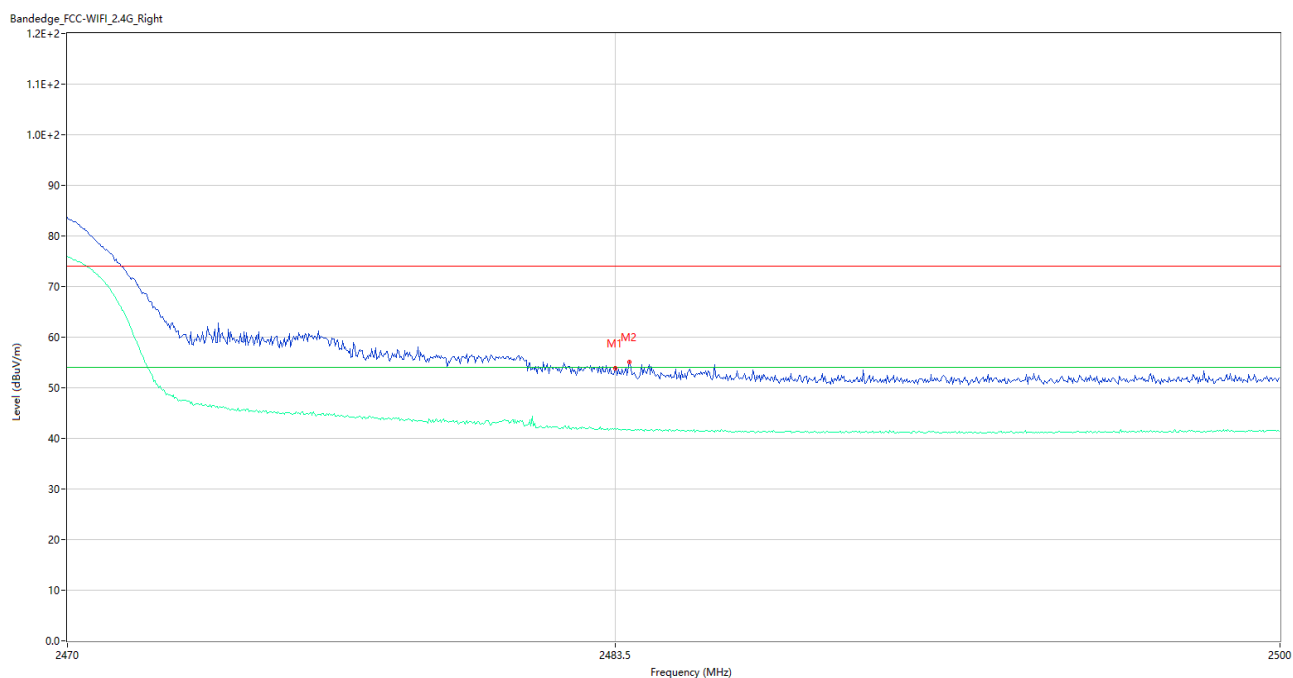
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.41	-3.78	74.0	19.59	Peak	25.00	150	Horizontal	Pass
1**	2483.500	41.73	-3.78	54.0	12.27	AV	25.00	150	Horizontal	Pass
2	2483.620	55.12	-3.78	74.0	18.88	Peak	17.00	150	Horizontal	Pass
2**	2483.620	41.76	-3.78	54.0	12.24	AV	17.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



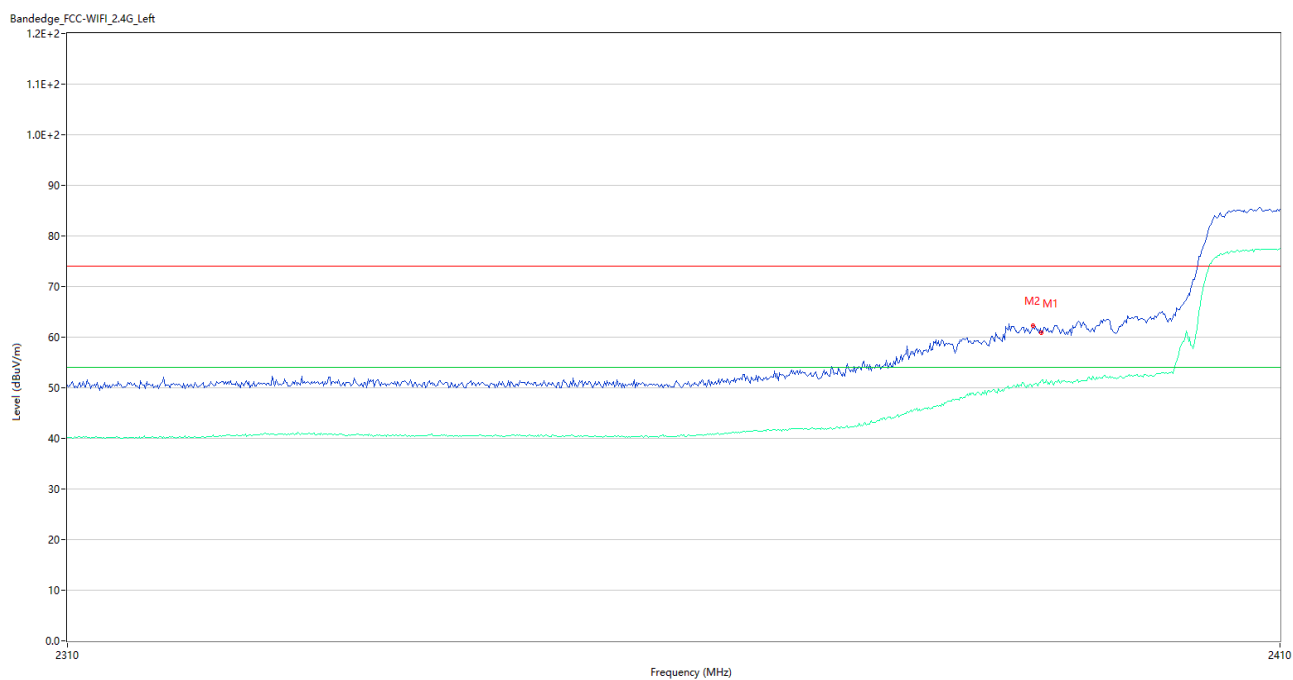
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.73	-4.87	74.0	9.27	Peak	13.03	150	Horizontal	Pass
1**	2390.000	51.87	-4.87	54.0	2.13	AV	13.03	150	Horizontal	Pass
2	2390.200	65.92	-4.88	74.0	8.08	Peak	19.00	150	Horizontal	Pass
2**	2390.200	52.22	-4.88	54.0	1.78	AV	19.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



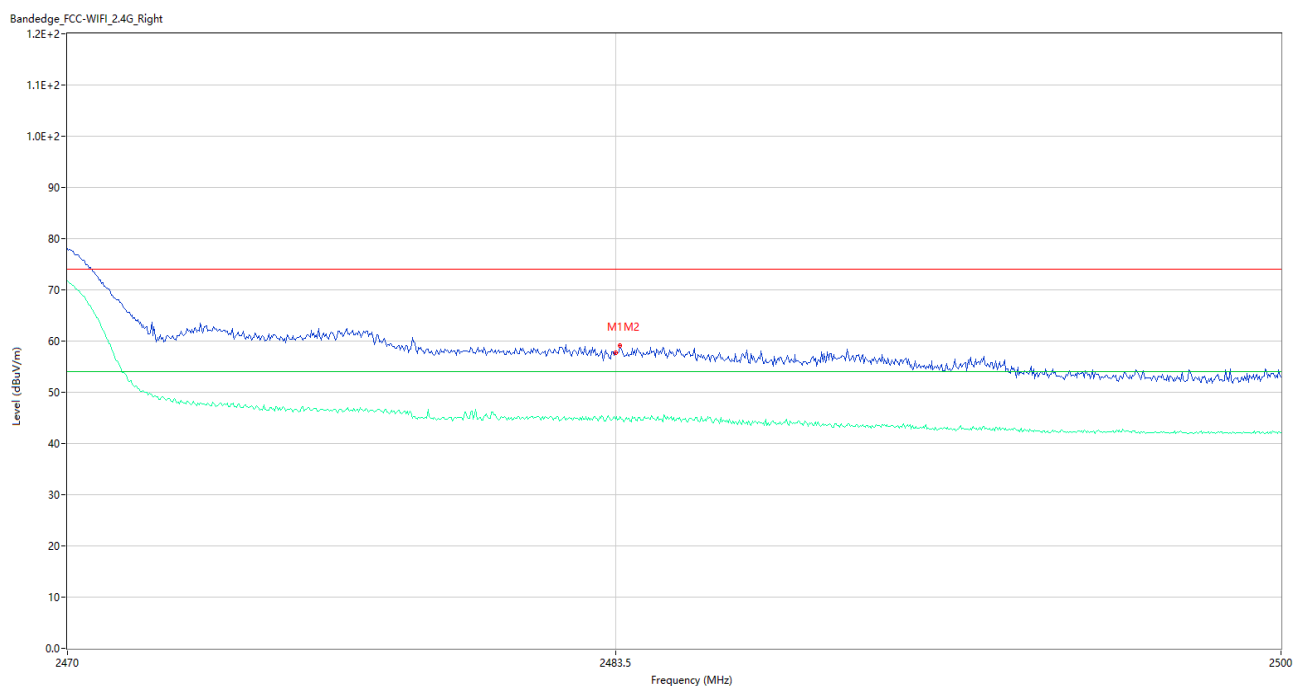
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.83	-3.78	74.0	20.17	Peak	15.00	150	Horizontal	Pass
1**	2483.500	41.87	-3.78	54.0	12.13	AV	15.00	150	Horizontal	Pass
2	2483.860	55.09	-3.78	74.0	18.91	Peak	8.00	150	Horizontal	Pass
2**	2483.860	41.76	-3.78	54.0	12.24	AV	8.00	150	Horizontal	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	60.80	-4.87	74.0	13.20	Peak	18.99	150	Horizontal	Pass
1**	2390.000	51.33	-4.87	54.0	2.67	AV	18.99	150	Horizontal	Pass
2	2389.300	62.35	-4.84	74.0	11.65	Peak	22.00	150	Horizontal	Pass
2**	2389.300	50.50	-4.84	54.0	3.50	AV	22.00	150	Horizontal	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	57.76	-3.78	74.0	16.24	Peak	357.00	150	Horizontal	Pass
1**	2483.500	44.75	-3.78	54.0	9.25	AV	357.00	150	Horizontal	Pass
2	2483.620	59.08	-3.78	74.0	14.92	Peak	17.00	150	Horizontal	Pass
2**	2483.620	45.28	-3.78	54.0	8.72	AV	17.00	150	Horizontal	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	-8.40	8
Middle	-8.18	8
High	-8.13	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.17	8
Middle	-8.38	8
High	-8.47	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.77	8
Middle	-9.90	8
High	-7.92	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.57	8
Middle	-11.50	8
High	-12.22	8

Test Plots

802.11b LOW CHANNEL



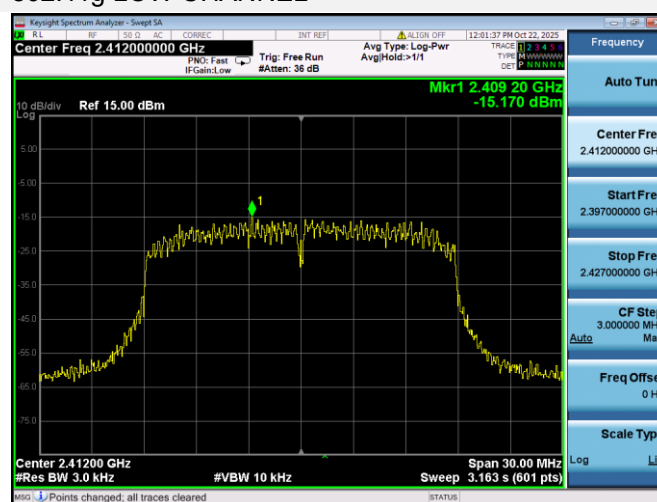
802.11b MIDDLE CHANNEL



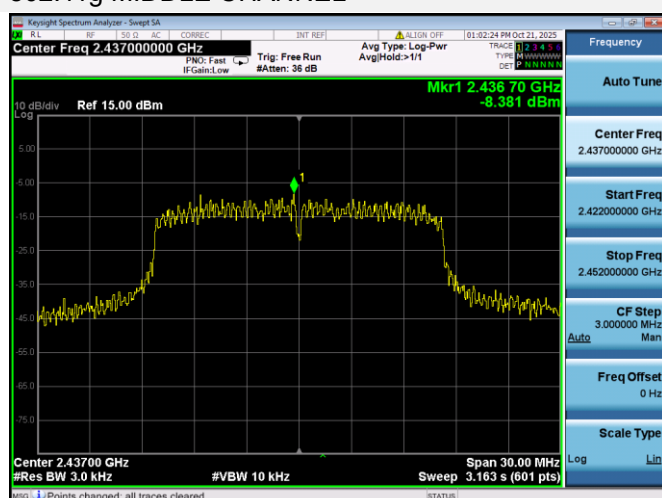
802.11b HIGH CHANNEL



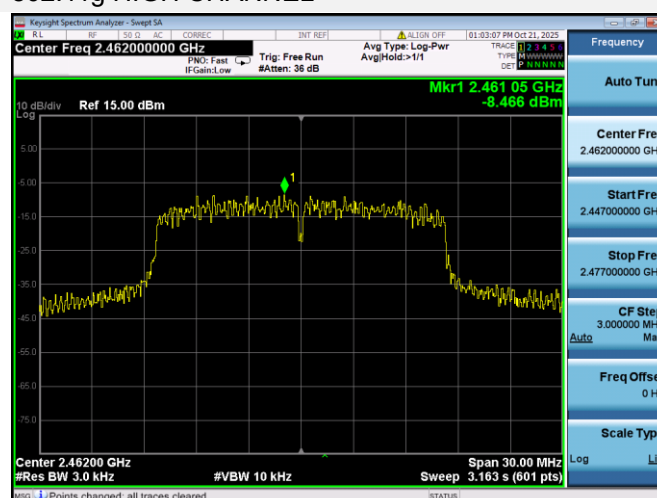
802.11g LOW CHANNEL



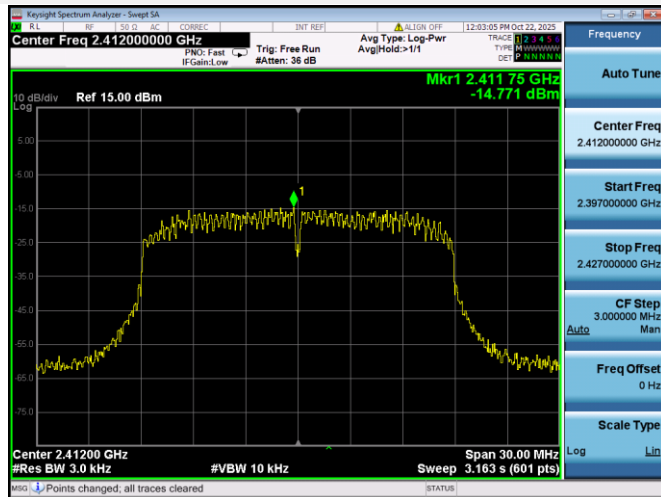
802.11g MIDDLE CHANNEL



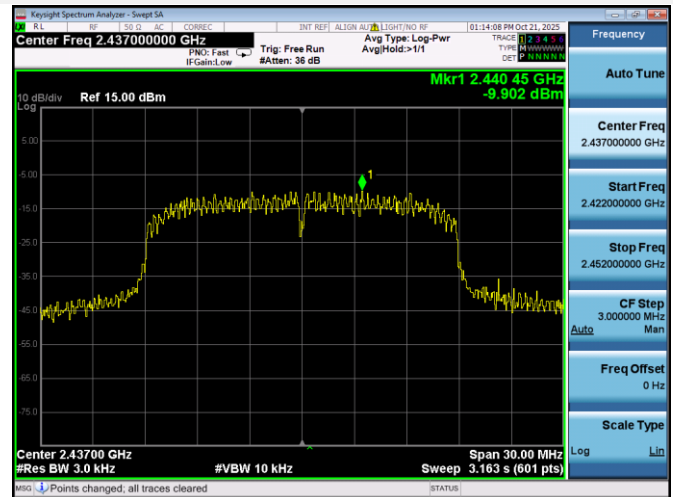
802.11g HIGH CHANNEL



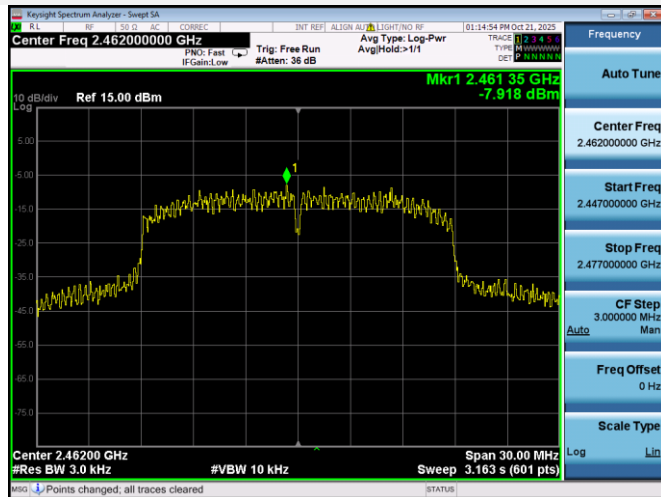
802.11n-20 MHz LOW CHANNEL



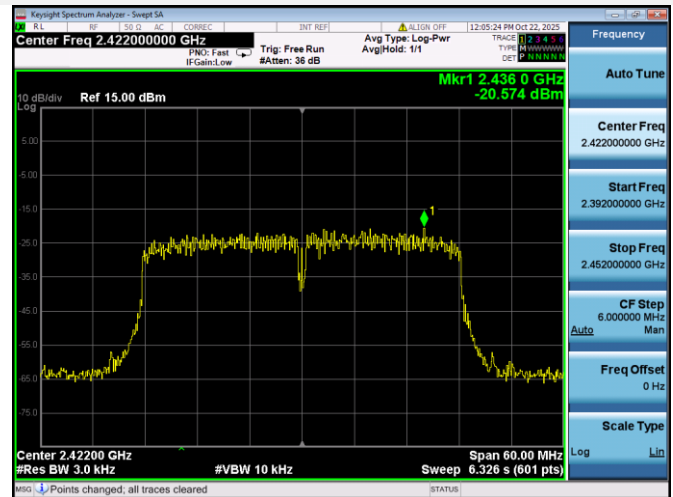
802.11 n-20 MHz MIDDLE CHANNEL



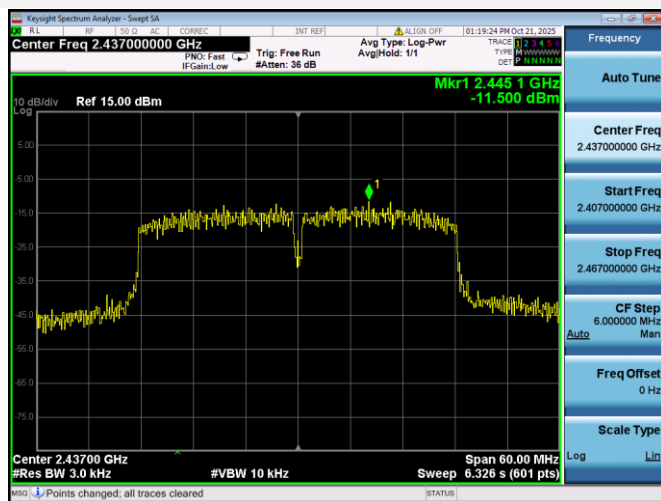
802.11n-20 MHz HIGH CHANNEL



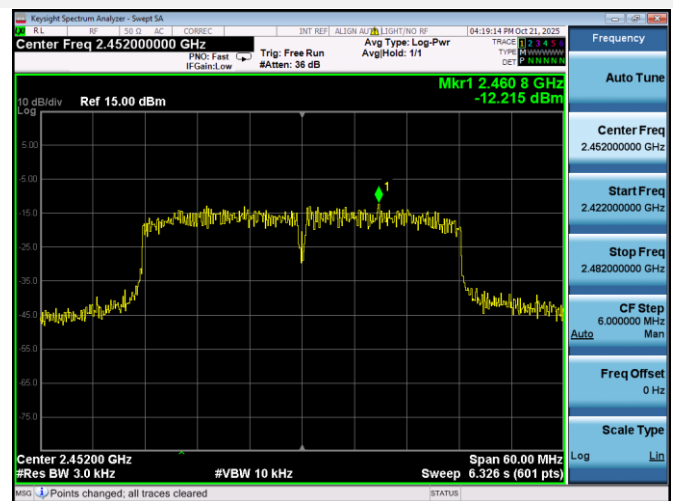
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2591113-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2591113-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2591113-AI.PDF”.

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--END OF REPORT--