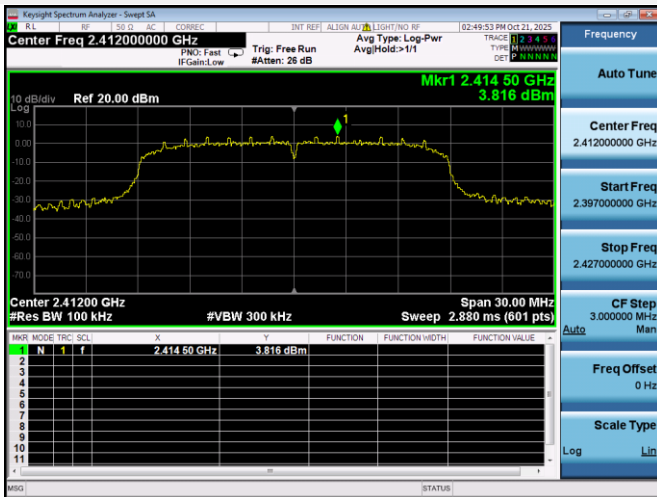
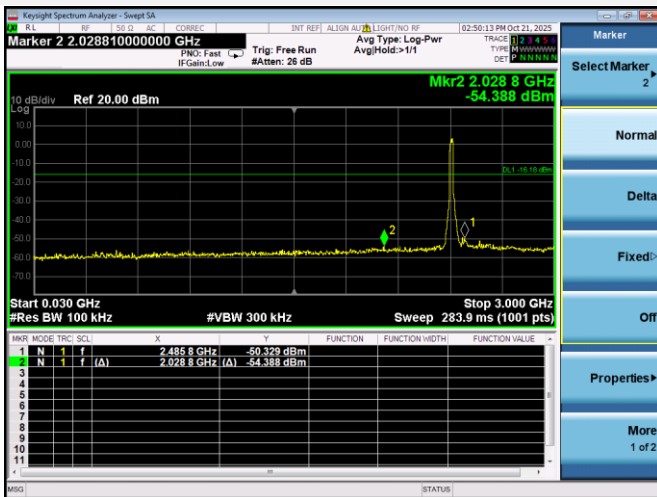
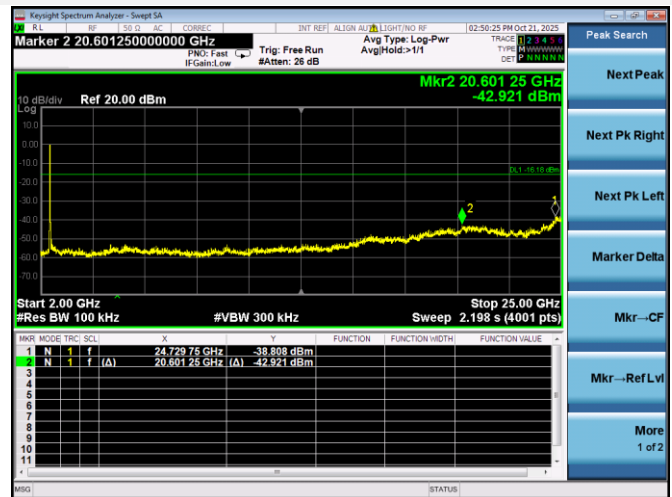
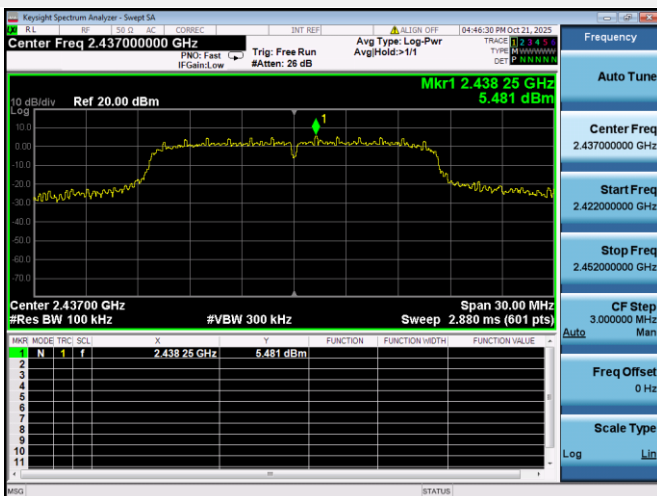


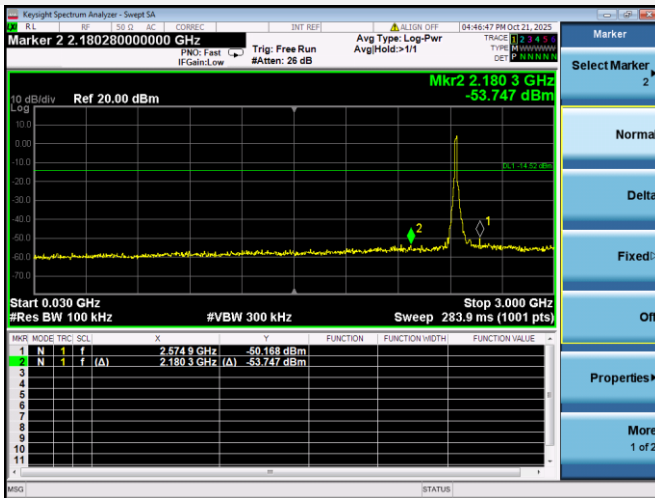
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

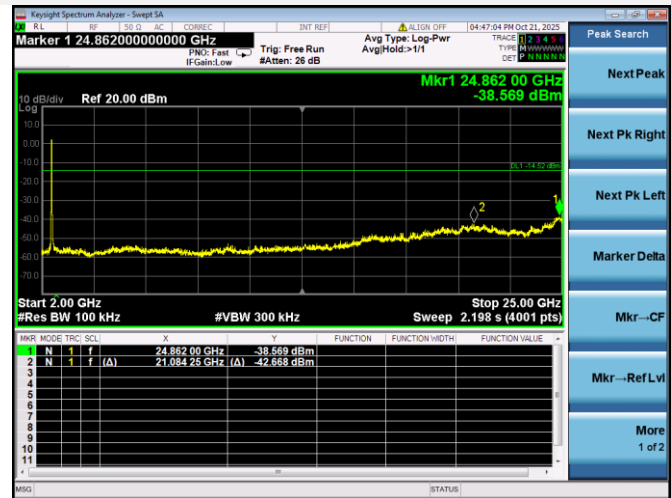
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



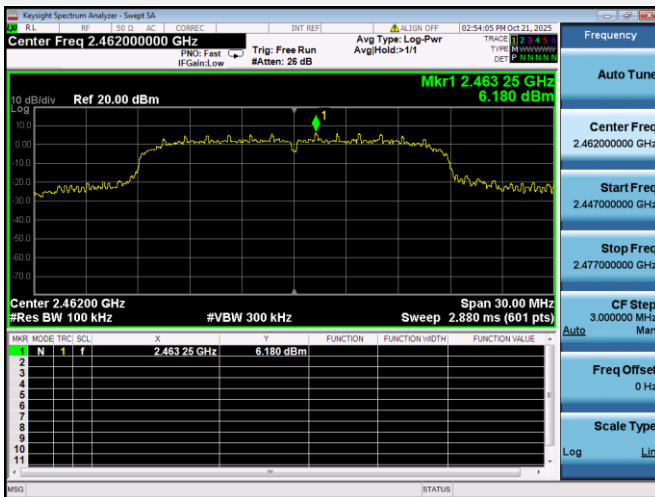
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



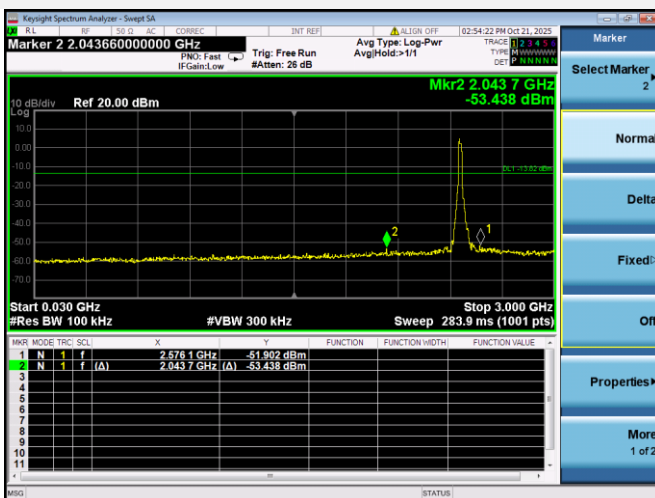
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



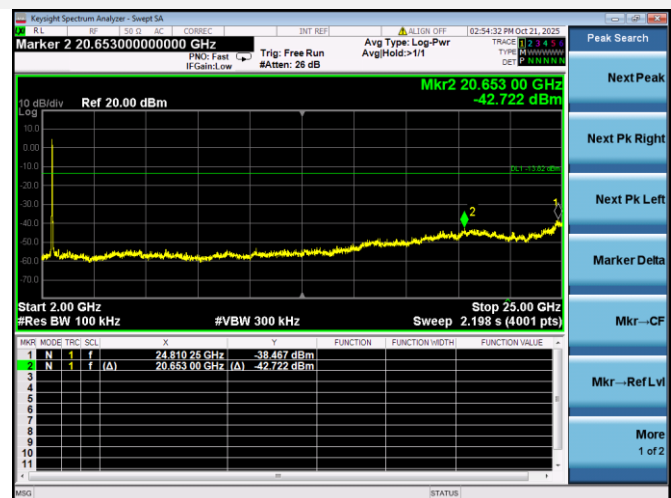
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



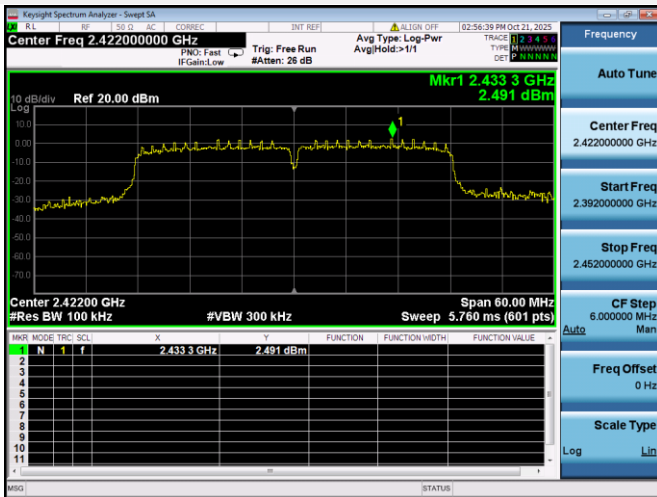
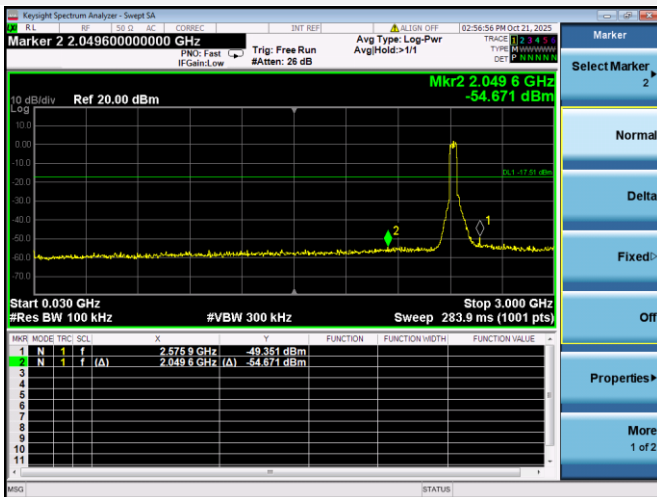
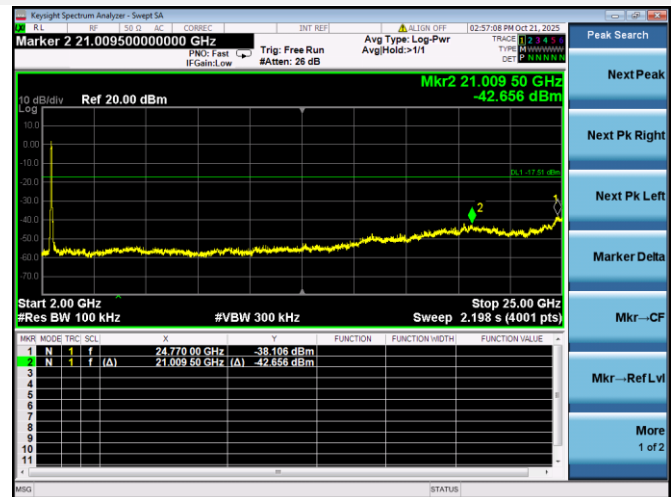
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



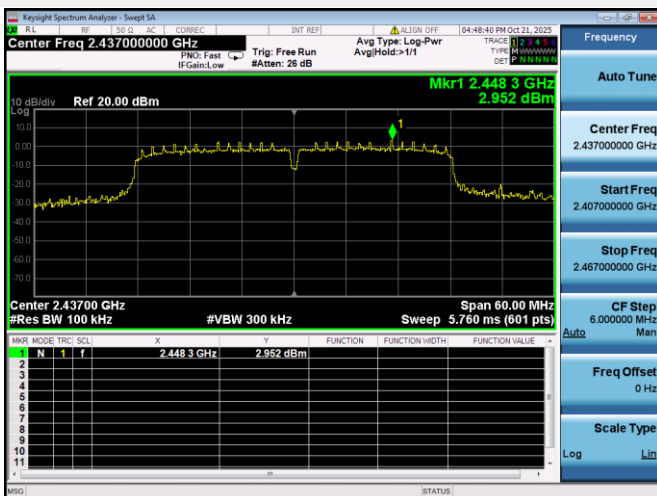
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



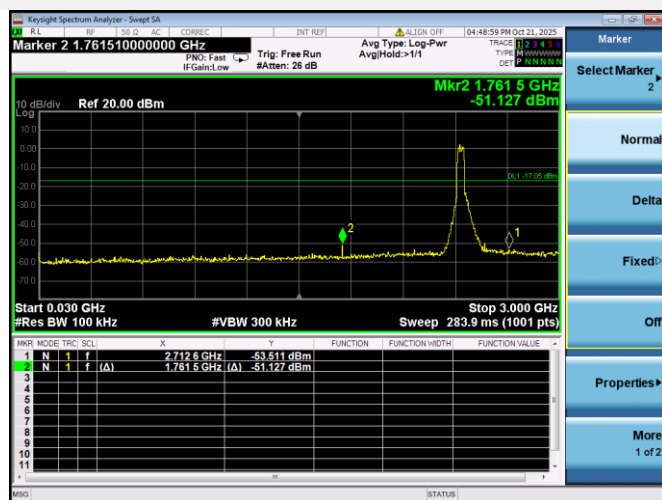
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

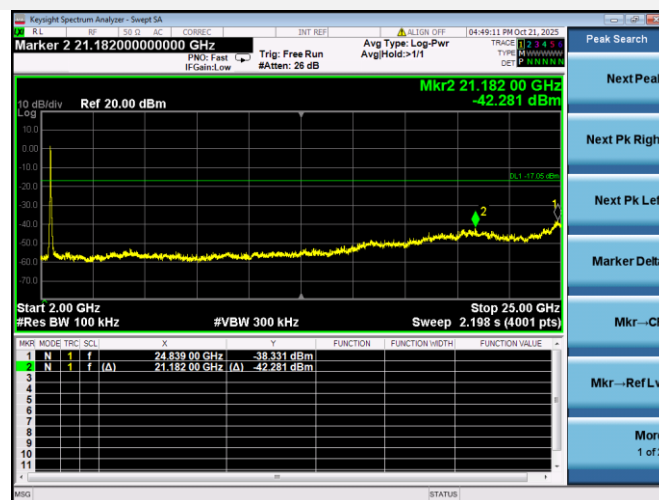
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



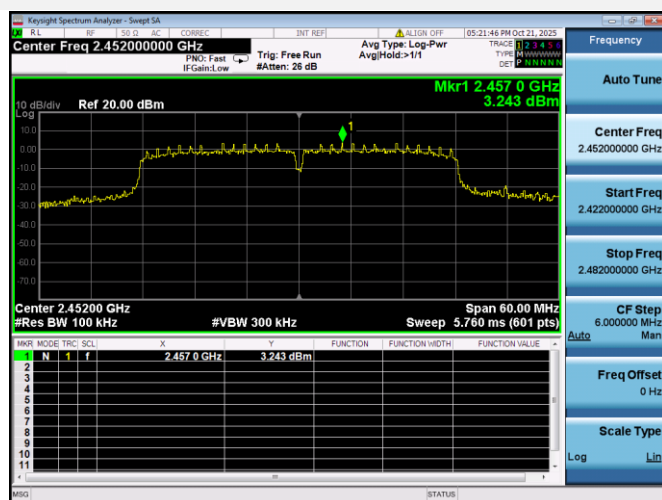
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



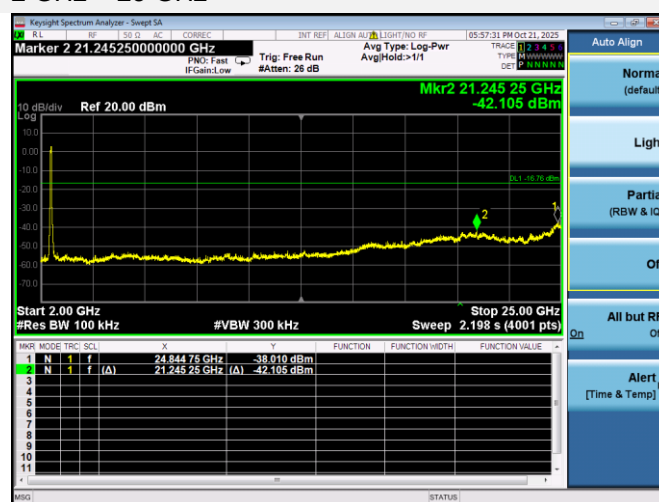
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



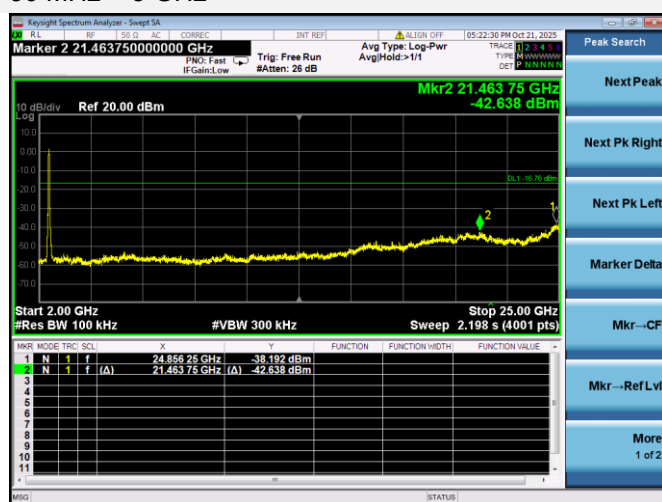
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 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	-44.90	8.61	-11.39	Pass
High	-48.02	8.87	-11.13	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.32	4.11	-15.89	Pass
High	-28.62	6.08	-13.92	Pass

802.11n-20 MHz Mode:

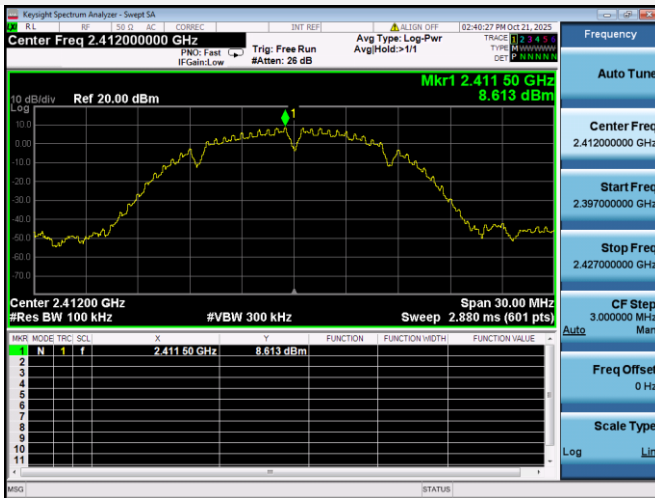
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-29.51	3.82	-16.18	Pass
High	-28.02	6.18	-13.82	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.74	2.49	-17.51	Pass
High	-23.09	3.24	-16.76	Pass

Test Plots

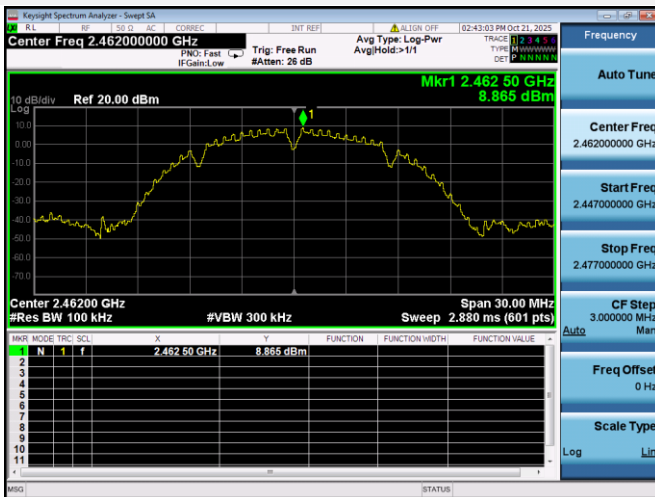
802.11b LOW CHANNEL, CARRIER LEVEL



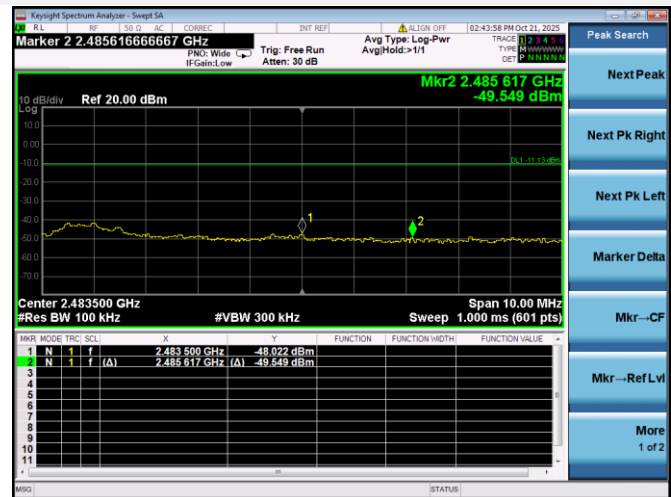
802.11b LOW CHANNEL, BAND EDGE



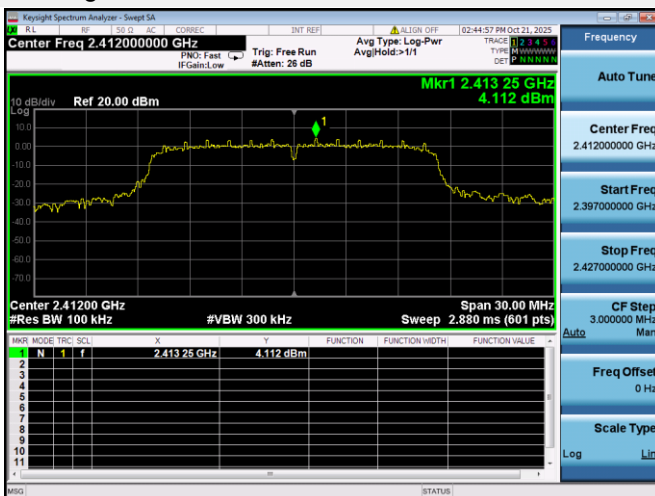
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



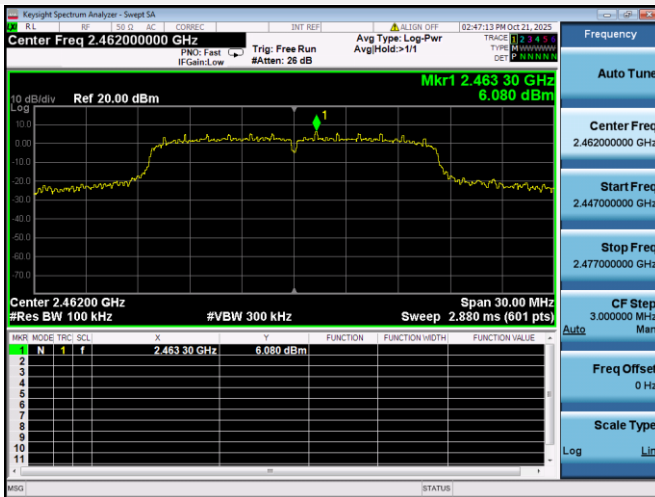
802.11g LOW CHANNEL, CARRIER LEVEL



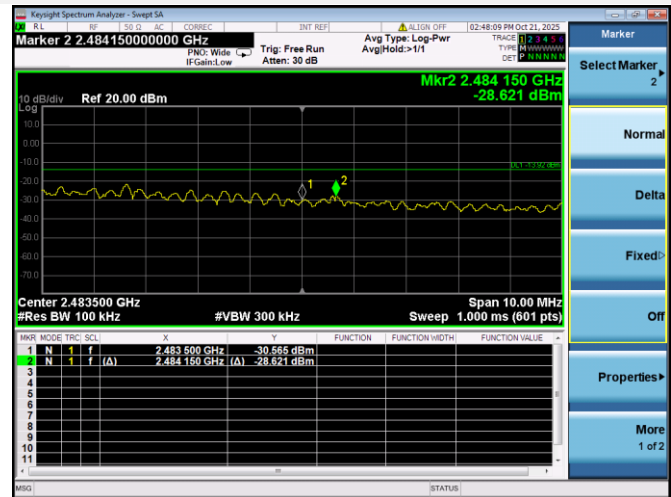
802.11g LOW CHANNEL, BAND EDGE



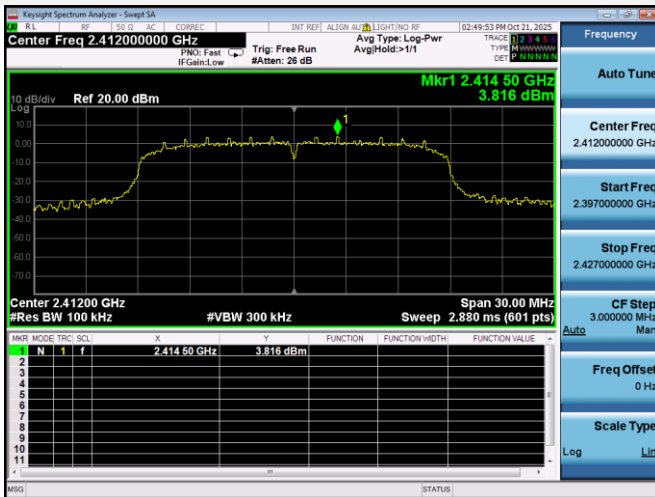
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



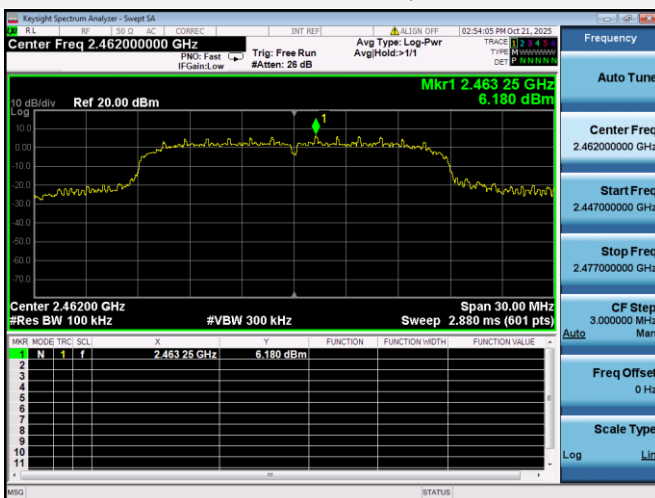
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



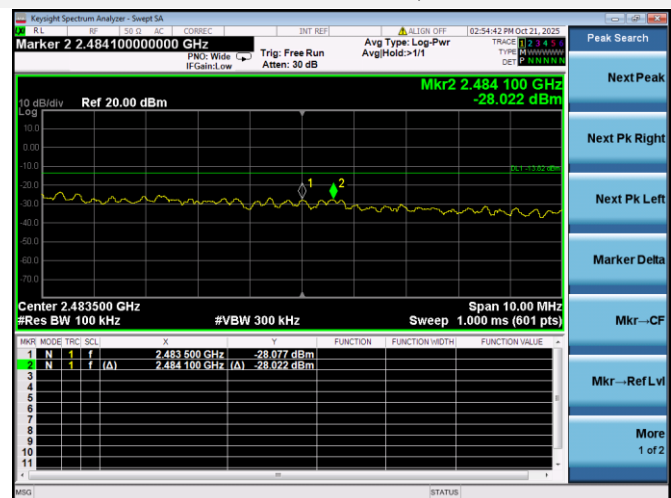
802.11n-20 MHz LOW CHANNEL, BAND EDGE



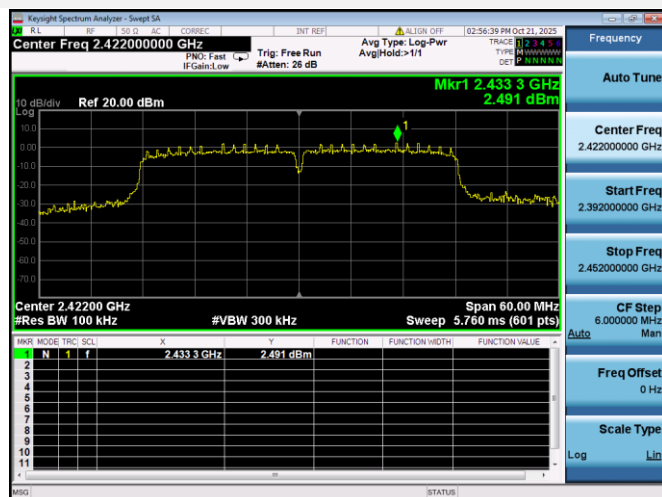
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



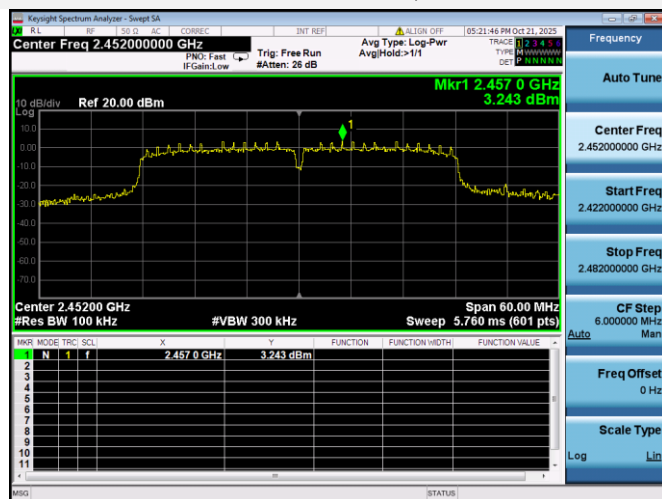
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



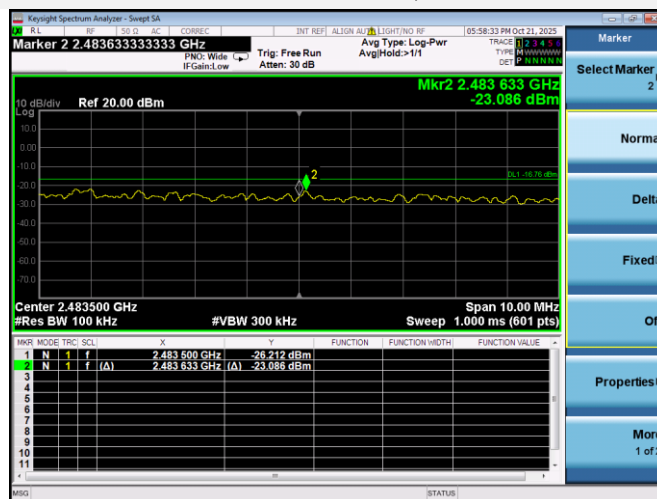
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



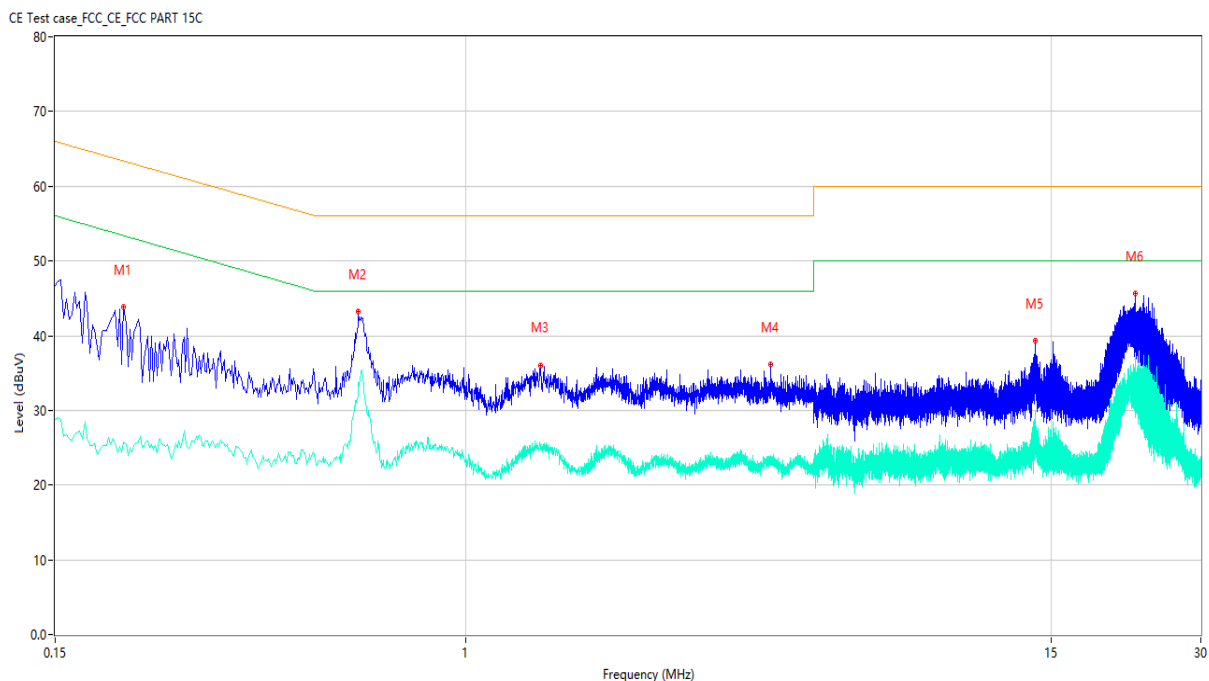
A.5 Conducted Emission

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

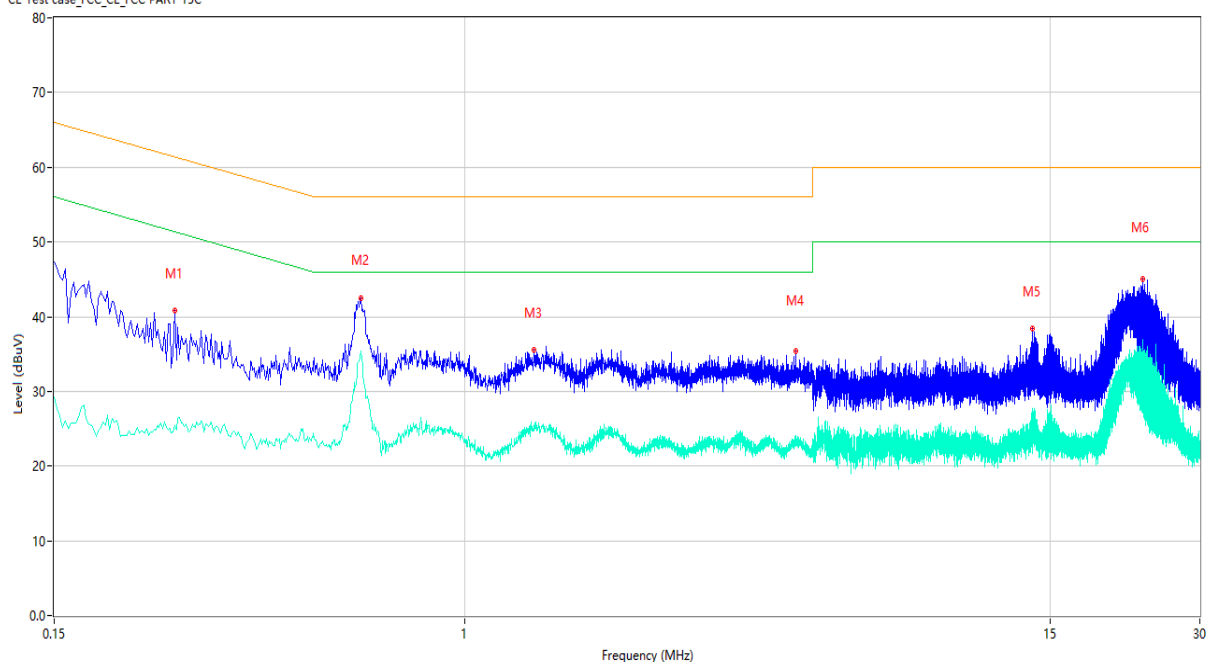
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.206	43.82	10.12	63.37	19.55	Peak	L	Pass
1**	0.206	25.76	10.12	53.37	27.61	AV	L	Pass
2	0.610	43.19	10.19	56.00	12.81	Peak	L	Pass
2**	0.610	33.72	10.19	46.00	12.28	AV	L	Pass
3	1.414	36.06	10.26	56.00	19.94	Peak	L	Pass
3**	1.414	25.52	10.26	46.00	20.48	AV	L	Pass
4	4.110	36.10	10.42	56.00	19.90	Peak	L	Pass
4**	4.110	23.26	10.42	46.00	22.74	AV	L	Pass
5	13.942	39.35	11.13	60.00	20.65	Peak	L	Pass
5**	13.942	28.54	11.13	50.00	21.46	AV	L	Pass
6	22.160	45.59	11.41	60.00	14.41	Peak	L	Pass
6**	22.160	35.08	11.41	50.00	14.92	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	0.262	40.85	10.12	61.37	20.52	Peak	N	Pass
1**	0.262	25.39	10.12	51.37	25.98	AV	N	Pass
2	0.620	42.55	10.20	56.00	13.45	Peak	N	Pass
2**	0.620	35.47	10.20	46.00	10.53	AV	N	Pass
3	1.382	35.55	10.25	56.00	20.45	Peak	N	Pass
3**	1.382	25.44	10.25	46.00	20.56	AV	N	Pass
4	4.636	35.45	10.43	56.00	20.55	Peak	N	Pass
4**	4.636	24.06	10.43	46.00	21.94	AV	N	Pass
5	13.852	38.36	11.13	60.00	21.64	Peak	N	Pass
5**	13.852	27.50	11.13	50.00	22.50	AV	N	Pass
6	23.080	45.12	11.51	60.00	14.88	Peak	N	Pass
6**	23.080	35.36	11.51	50.00	14.64	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.

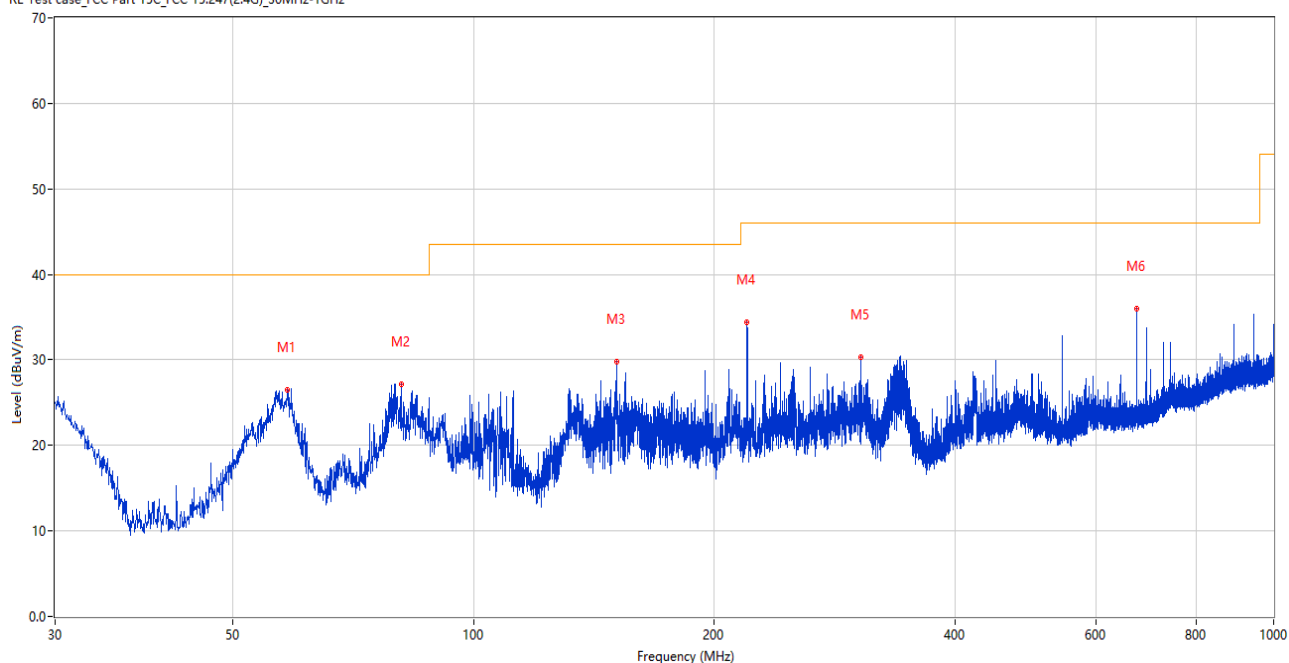
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

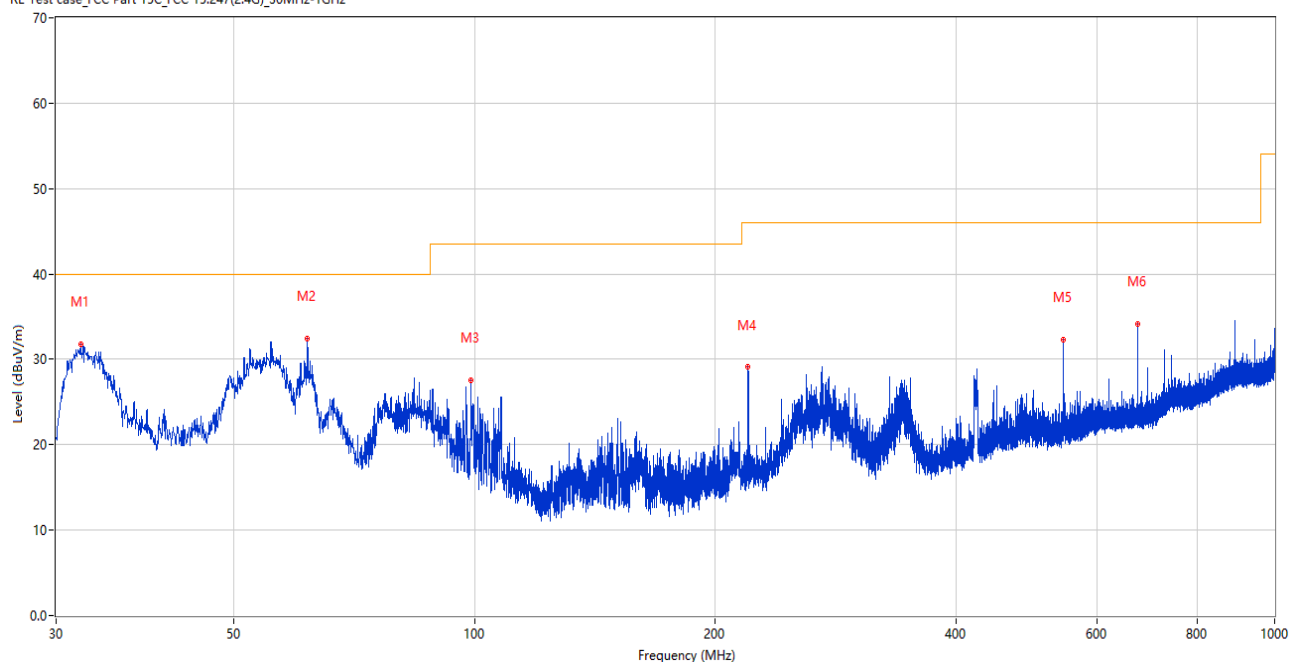
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.566	26.50	-25.71	40.0	13.50	Peak	17.00	200	Horizontal	Pass
2	81.168	27.17	-30.80	40.0	12.83	Peak	47.00	200	Horizontal	Pass
3	151.056	29.82	-29.49	43.5	13.68	Peak	78.00	200	Horizontal	Pass
4	219.780	34.43	-25.82	46.0	11.57	Peak	100.00	100	Horizontal	Pass
5	305.237	30.29	-23.27	46.0	15.71	Peak	184.00	100	Horizontal	Pass
6	675.002	35.96	-14.19	46.0	10.04	Peak	124.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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

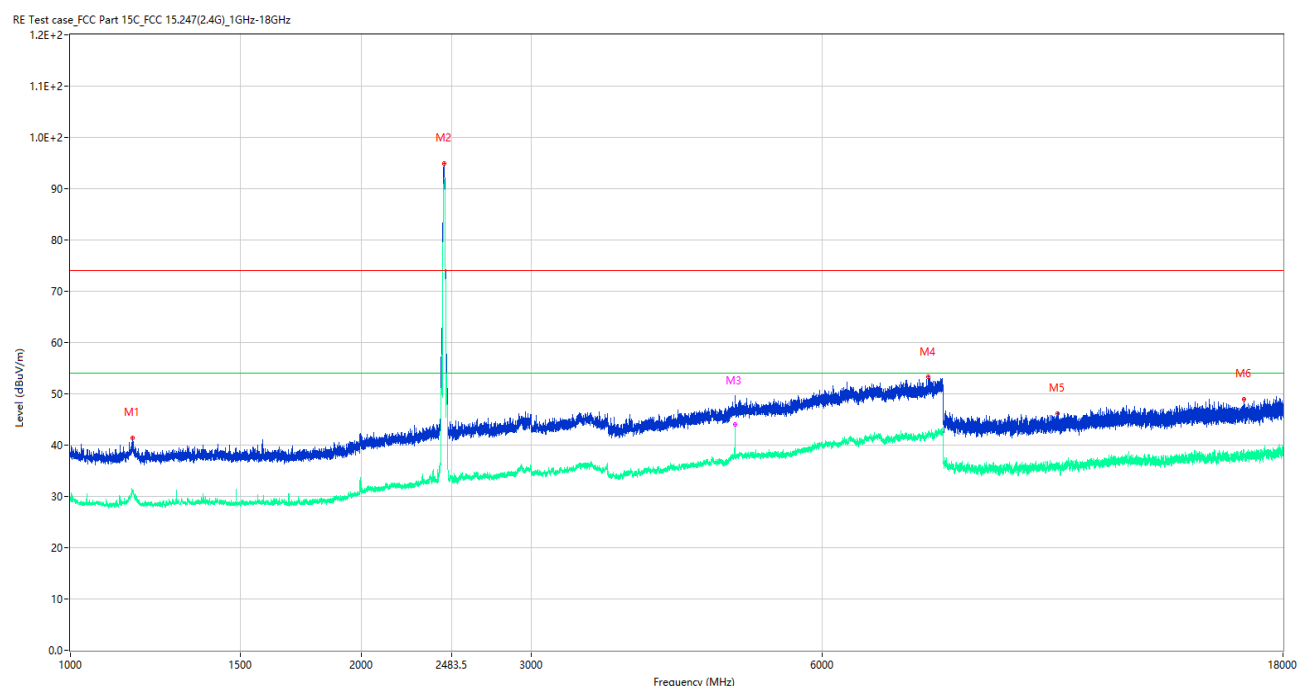


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.182	31.73	-28.71	40.0	8.27	Peak	360.00	100	Vertical	Pass
2	61.864	32.44	-26.47	40.0	7.56	Peak	323.00	100	Vertical	Pass
3	99.016	27.56	-26.16	43.5	15.94	Peak	130.00	100	Vertical	Pass
4	219.780	29.07	-25.82	46.0	16.93	Peak	94.00	100	Vertical	Pass
5	544.488	32.25	-16.98	46.0	13.75	Peak	77.00	200	Vertical	Pass
6	675.002	34.12	-14.19	46.0	11.88	Peak	179.00	100	Vertical	Pass

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

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

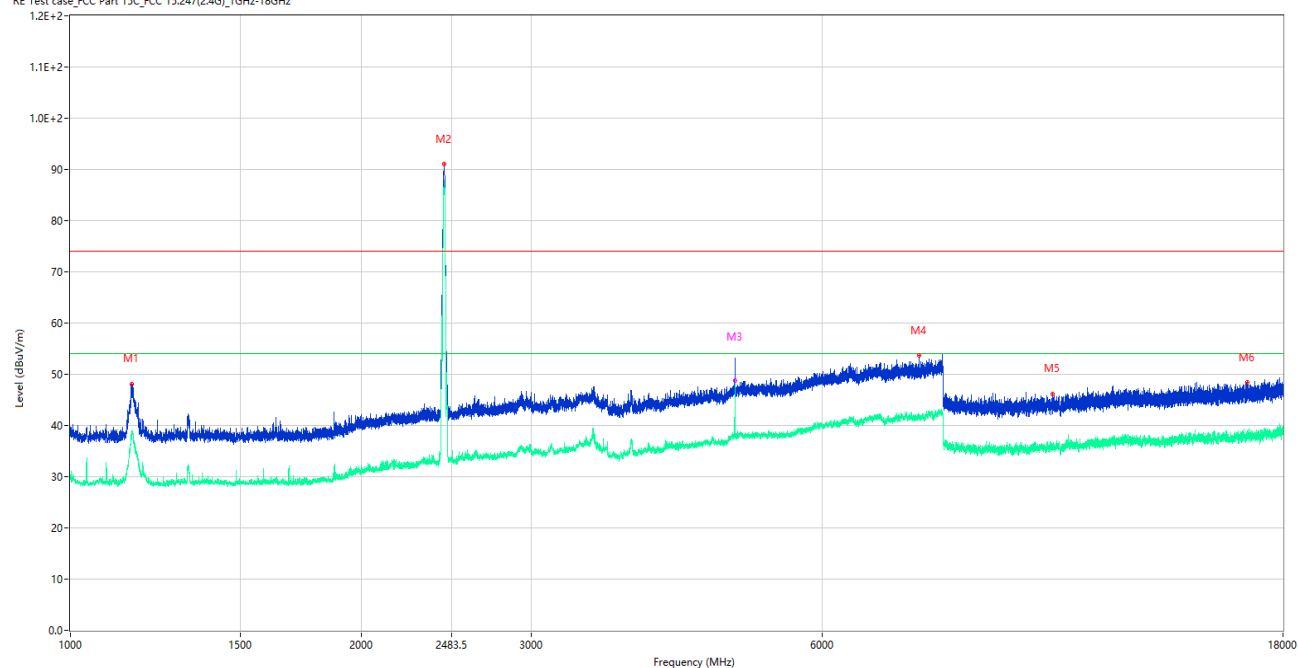
1 GHz to 18 GHz, ANT H 802.11b Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.500	41.47	-15.51	74.0	32.53	Peak	41.00	150	Horizontal	Pass
1**	1159.500	31.00	-15.51	54.0	23.00	AV	41.00	150	Horizontal	Pass
2	2437.000	94.98	-12.37	74.0	-20.98	Peak	32.00	150	Horizontal	N/A
2**	2437.000	89.97	-12.37	54.0	-35.97	AV	32.00	150	Horizontal	N/A
3	4874.500	49.04	-2.25	74.0	24.96	Peak	312.00	150	Horizontal	Pass
3**	4874.500	44.03	-2.25	54.0	9.97	AV	312.00	150	Horizontal	Pass
4	7732.000	53.33	1.03	74.0	20.67	Peak	340.00	150	Horizontal	Pass
4**	7732.000	41.91	1.03	54.0	12.09	AV	340.00	150	Horizontal	Pass
5	10521.500	46.08	-3.41	74.0	27.92	Peak	66.00	150	Horizontal	Pass
5**	10521.500	35.88	-3.41	54.0	18.12	AV	66.00	150	Horizontal	Pass
6	16401.000	48.96	-1.64	74.0	25.04	Peak	0.00	150	Horizontal	Pass
6**	16401.000	37.83	-1.64	54.0	16.17	AV	0.00	150	Horizontal	Pass

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

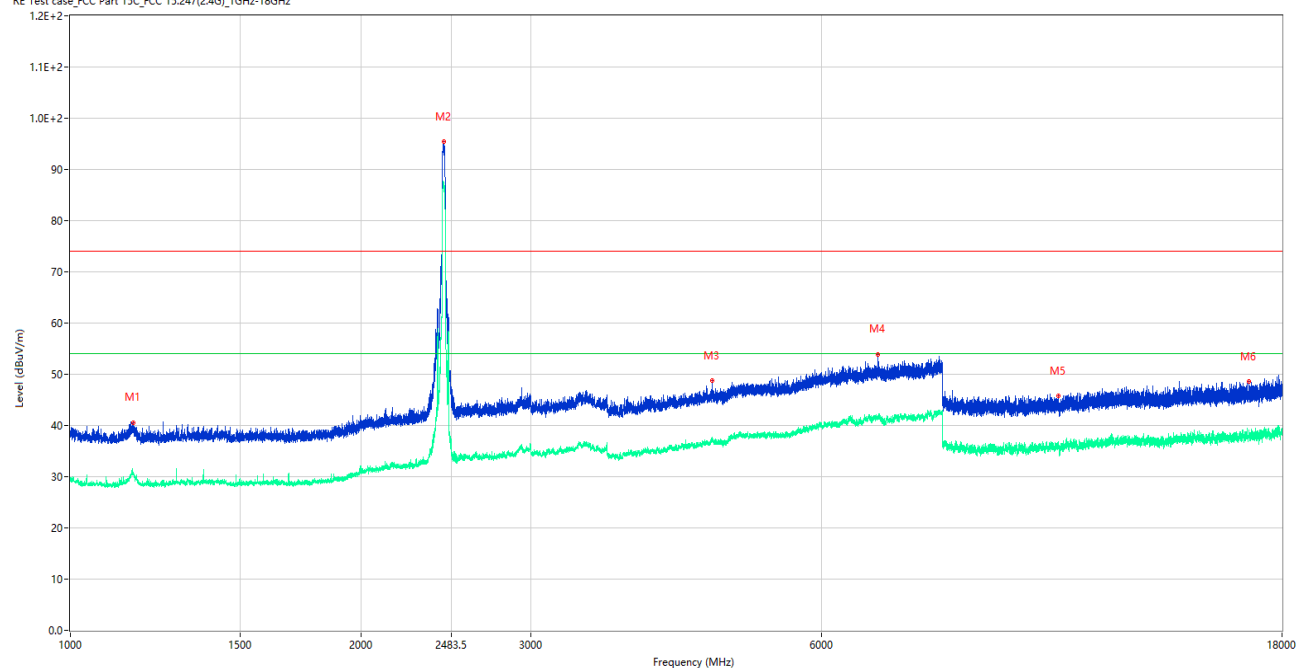
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.750	48.08	-15.54	74.0	25.92	Peak	239.00	150	Vertical	Pass
1**	1157.750	38.05	-15.54	54.0	15.95	AV	239.00	150	Vertical	Pass
2	2437.000	90.98	-12.37	74.0	-16.98	Peak	163.00	150	Vertical	N/A
2**	2437.000	86.17	-12.37	54.0	-32.17	AV	163.00	150	Vertical	N/A
3	4874.500	52.19	-2.25	74.0	21.81	Peak	3.00	150	Vertical	Pass
3**	4874.500	48.81	-2.25	54.0	5.19	AV	3.00	150	Vertical	Pass
4	7560.000	53.66	0.98	74.0	20.34	Peak	0.00	150	Vertical	Pass
4**	7560.000	41.72	0.98	54.0	12.28	AV	0.00	150	Vertical	Pass
5	10391.000	46.22	-3.41	74.0	27.78	Peak	236.00	150	Vertical	Pass
5**	10391.000	36.01	-3.41	54.0	17.99	AV	236.00	150	Vertical	Pass
6	16538.000	48.40	-1.74	74.0	25.60	Peak	360.00	150	Vertical	Pass
6**	16538.000	37.41	-1.74	54.0	16.59	AV	360.00	150	Vertical	Pass

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

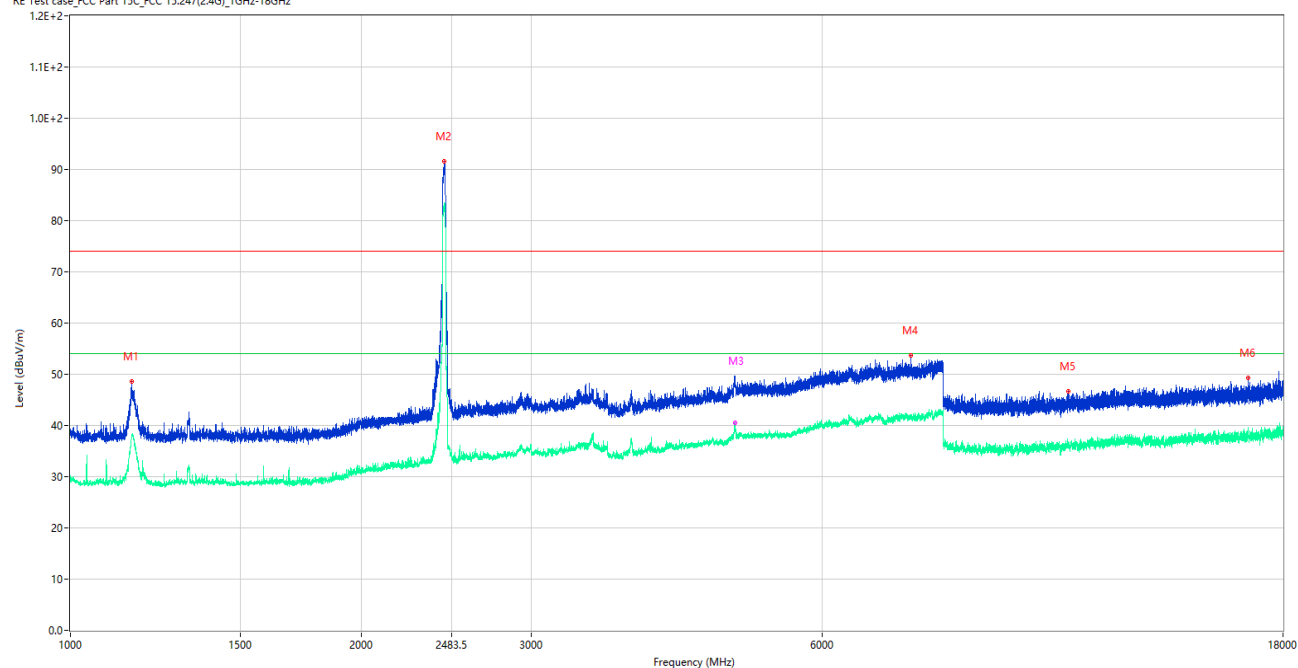
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.500	40.45	-15.47	74.0	33.55	Peak	360.00	150	Horizontal	Pass
1**	1161.500	30.45	-15.47	54.0	23.55	AV	360.00	150	Horizontal	Pass
2	2436.000	93.14	-12.33	74.0	-19.14	Peak	360.00	150	Horizontal	N/A
2**	2436.000	85.24	-12.33	54.0	-31.24	AV	360.00	150	Horizontal	N/A
3	4623.500	48.77	-2.66	74.0	25.23	Peak	149.00	150	Horizontal	Pass
3**	4623.500	37.32	-2.66	54.0	16.68	AV	149.00	150	Horizontal	Pass
4	6862.000	53.91	0.94	74.0	20.09	Peak	284.00	150	Horizontal	Pass
4**	6862.000	41.68	0.94	54.0	12.32	AV	284.00	150	Horizontal	Pass
5	10549.500	45.72	-3.13	74.0	28.28	Peak	208.00	150	Horizontal	Pass
5**	10549.500	35.90	-3.13	54.0	18.10	AV	208.00	150	Horizontal	Pass
6	16641.000	48.54	-1.02	74.0	25.46	Peak	236.00	150	Horizontal	Pass
6**	16641.000	38.38	-1.02	54.0	15.62	AV	236.00	150	Horizontal	Pass

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

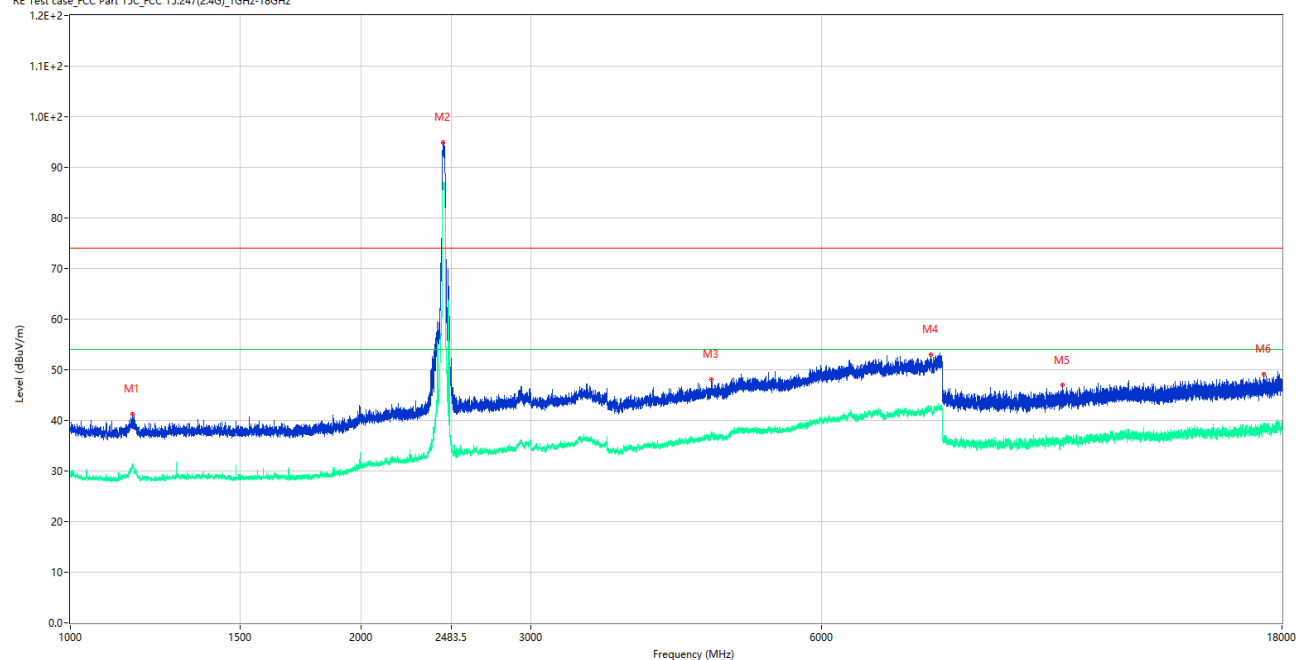
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.000	48.59	-15.57	74.0	25.41	Peak	235.00	150	Vertical	Pass
1**	1157.000	37.96	-15.57	54.0	16.04	AV	235.00	150	Vertical	Pass
2	2438.500	91.54	-12.37	74.0	-17.54	Peak	161.00	150	Vertical	N/A
2**	2438.500	83.58	-12.37	54.0	-29.58	AV	161.00	150	Vertical	N/A
3	4872.500	47.83	-2.22	74.0	26.17	Peak	360.00	150	Vertical	Pass
3**	4872.500	40.47	-2.22	54.0	13.53	AV	360.00	150	Vertical	Pass
4	7407.500	53.62	0.74	74.0	20.38	Peak	271.00	150	Vertical	Pass
4**	7407.500	41.31	0.74	54.0	12.69	AV	271.00	150	Vertical	Pass
5	10780.000	46.65	-3.03	74.0	27.35	Peak	125.00	150	Vertical	Pass
5**	10780.000	35.86	-3.03	54.0	18.14	AV	125.00	150	Vertical	Pass
6	16557.500	49.30	-0.91	74.0	24.70	Peak	39.00	150	Vertical	Pass
6**	16557.500	38.03	-0.91	54.0	15.97	AV	39.00	150	Vertical	Pass

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

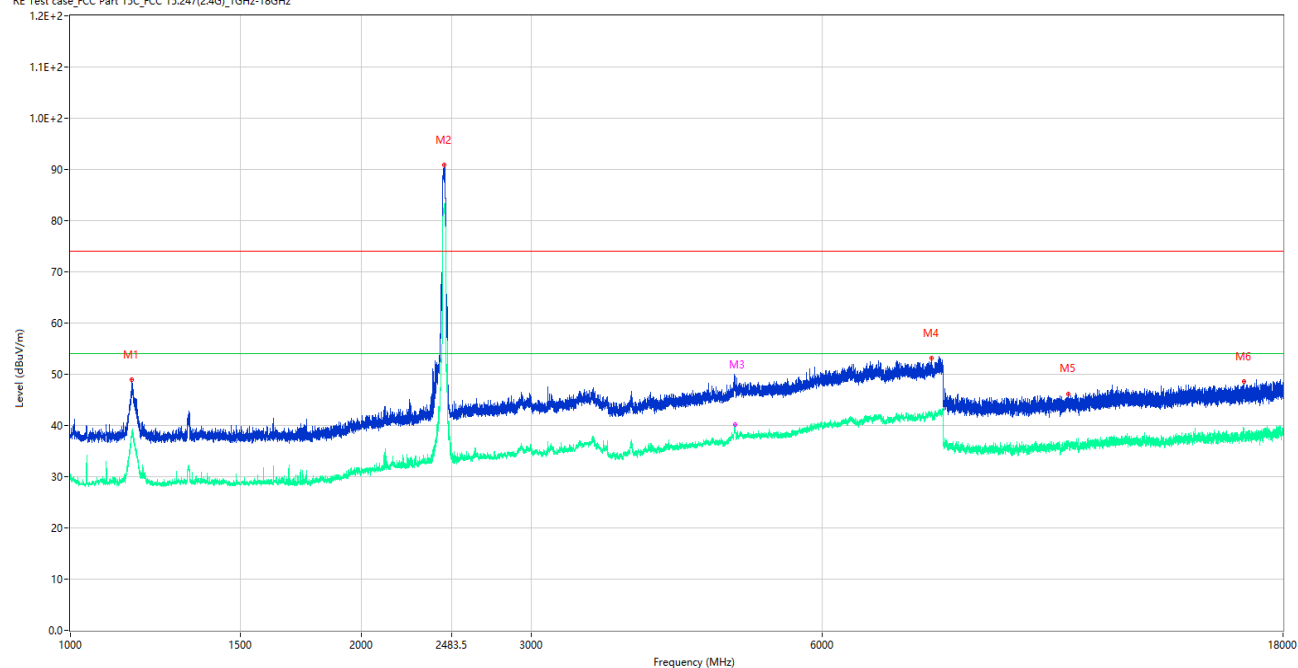
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.500	41.27	-15.51	74.0	32.73	Peak	340.00	150	Horizontal	Pass
1**	1159.500	31.01	-15.51	54.0	22.99	AV	340.00	150	Horizontal	Pass
2	2431.500	94.97	-12.28	74.0	-20.97	Peak	35.00	150	Horizontal	N/A
2**	2431.500	87.10	-12.28	54.0	-33.10	AV	35.00	150	Horizontal	N/A
3	4611.500	48.15	-3.40	74.0	25.85	Peak	194.00	150	Horizontal	Pass
3**	4611.500	36.57	-3.40	54.0	17.43	AV	194.00	150	Horizontal	Pass
4	7786.000	53.07	1.56	74.0	20.93	Peak	12.00	150	Horizontal	Pass
4**	7786.000	42.31	1.56	54.0	11.69	AV	12.00	150	Horizontal	Pass
5	10663.500	47.00	-3.91	74.0	27.00	Peak	154.00	150	Horizontal	Pass
5**	10663.500	36.24	-3.91	54.0	17.76	AV	154.00	150	Horizontal	Pass
6	17244.500	49.18	-0.77	74.0	24.82	Peak	154.00	150	Horizontal	Pass
6**	17244.500	38.42	-0.77	54.0	15.58	AV	154.00	150	Horizontal	Pass

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

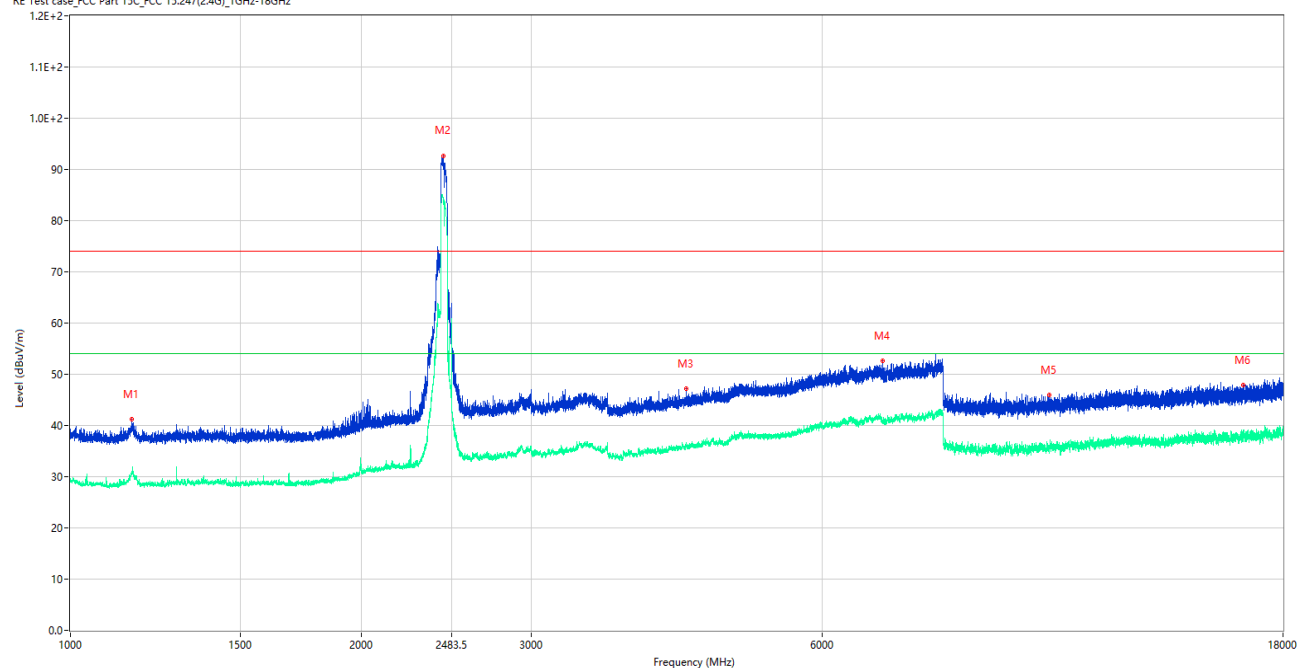
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.750	48.92	-15.54	74.0	25.08	Peak	223.00	150	Vertical	Pass
1**	1157.750	38.88	-15.54	54.0	15.12	AV	223.00	150	Vertical	Pass
2	2438.250	90.84	-12.38	74.0	-16.84	Peak	162.00	150	Vertical	N/A
2**	2438.250	82.94	-12.38	54.0	-28.94	AV	162.00	150	Vertical	N/A
3	4875.500	48.22	-2.26	74.0	25.78	Peak	0.00	150	Vertical	Pass
3**	4875.500	40.25	-2.26	54.0	13.75	AV	0.00	150	Vertical	Pass
4	7789.500	53.09	1.61	74.0	20.91	Peak	80.00	150	Vertical	Pass
4**	7789.500	42.70	1.61	54.0	11.30	AV	80.00	150	Vertical	Pass
5	10800.000	46.19	-3.22	74.0	27.81	Peak	321.00	150	Vertical	Pass
5**	10800.000	35.88	-3.22	54.0	18.12	AV	321.00	150	Vertical	Pass
6	16393.000	48.56	-1.17	74.0	25.44	Peak	235.00	150	Vertical	Pass
6**	16393.000	37.65	-1.17	54.0	16.35	AV	235.00	150	Vertical	Pass

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

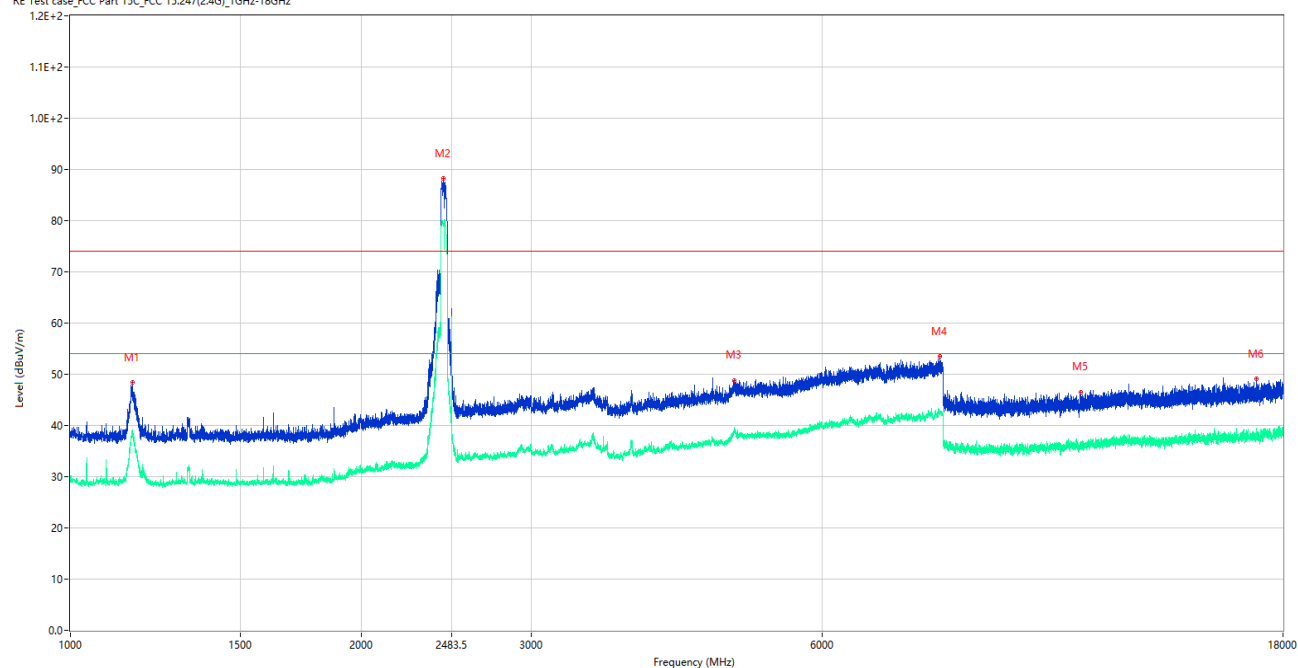
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.500	41.17	-15.55	74.0	32.83	Peak	42.00	150	Horizontal	Pass
1**	1157.500	30.66	-15.55	54.0	23.34	AV	42.00	150	Horizontal	Pass
2	2431.750	92.68	-12.28	74.0	-18.68	Peak	23.00	150	Horizontal	N/A
2**	2431.750	84.25	-12.28	54.0	-30.25	AV	23.00	150	Horizontal	N/A
3	4343.500	47.17	-3.11	74.0	26.83	Peak	359.00	150	Horizontal	Pass
3**	4343.500	36.05	-3.11	54.0	17.95	AV	359.00	150	Horizontal	Pass
4	6932.500	52.59	-0.05	74.0	21.41	Peak	119.00	150	Horizontal	Pass
4**	6932.500	40.58	-0.05	54.0	13.42	AV	119.00	150	Horizontal	Pass
5	10320.500	45.95	-3.27	74.0	28.05	Peak	0.00	150	Horizontal	Pass
5**	10320.500	35.42	-3.27	54.0	18.58	AV	0.00	150	Horizontal	Pass
6	16385.500	47.92	-1.35	74.0	26.08	Peak	147.00	150	Horizontal	Pass
6**	16385.500	38.62	-1.35	54.0	15.38	AV	147.00	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	1159.750	48.39	-15.50	74.0	25.61	Peak	233.00	150	Vertical	Pass
1**	1159.750	38.74	-15.50	54.0	15.26	AV	233.00	150	Vertical	Pass
2	2431.500	88.17	-12.28	74.0	-14.17	Peak	168.00	150	Vertical	N/A
2**	2431.500	79.54	-12.28	54.0	-25.54	AV	168.00	150	Vertical	N/A
3	4870.000	48.76	-2.15	74.0	25.24	Peak	360.00	150	Vertical	Pass
3**	4870.000	39.28	-2.15	54.0	14.72	AV	360.00	150	Vertical	Pass
4	7950.500	53.47	2.10	74.0	20.53	Peak	298.00	150	Vertical	Pass
4**	7950.500	42.10	2.10	54.0	11.90	AV	298.00	150	Vertical	Pass
5	11114.500	46.51	-4.09	74.0	27.49	Peak	10.00	150	Vertical	Pass
5**	11114.500	35.87	-4.09	54.0	18.13	AV	10.00	150	Vertical	Pass
6	16895.500	49.11	-0.48	74.0	24.89	Peak	0.00	150	Vertical	Pass
6**	16895.500	38.41	-0.48	54.0	15.59	AV	0.00	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.

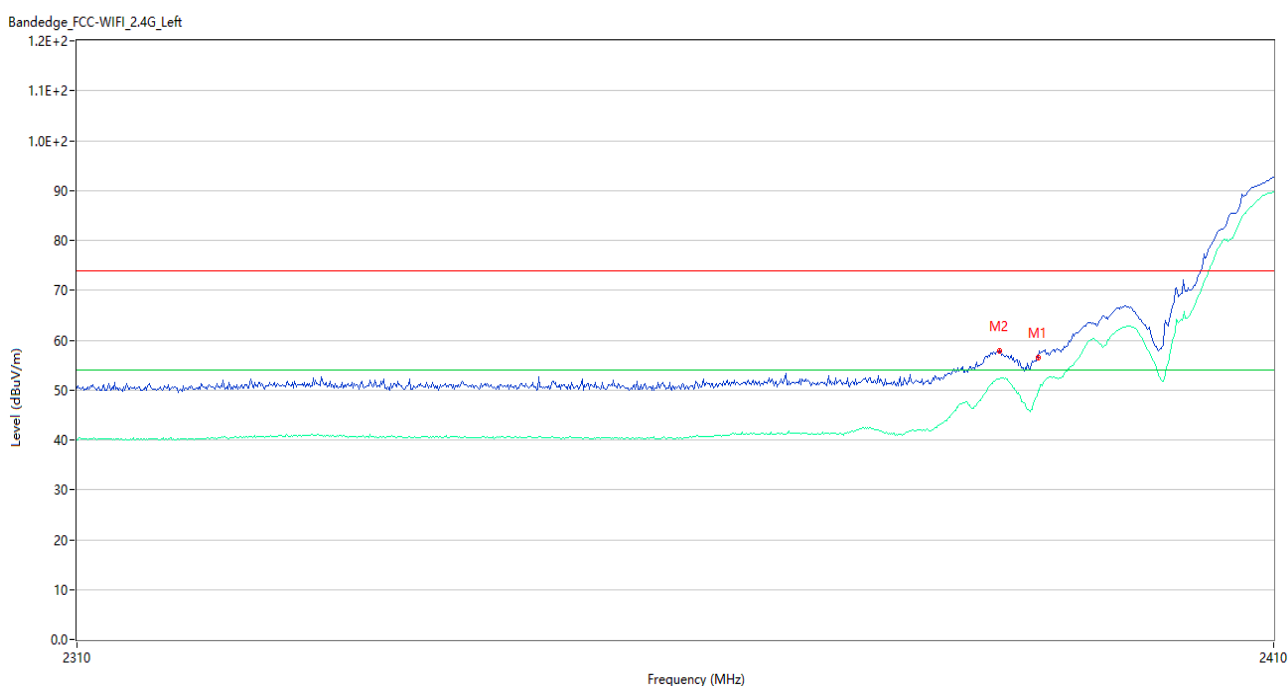
Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

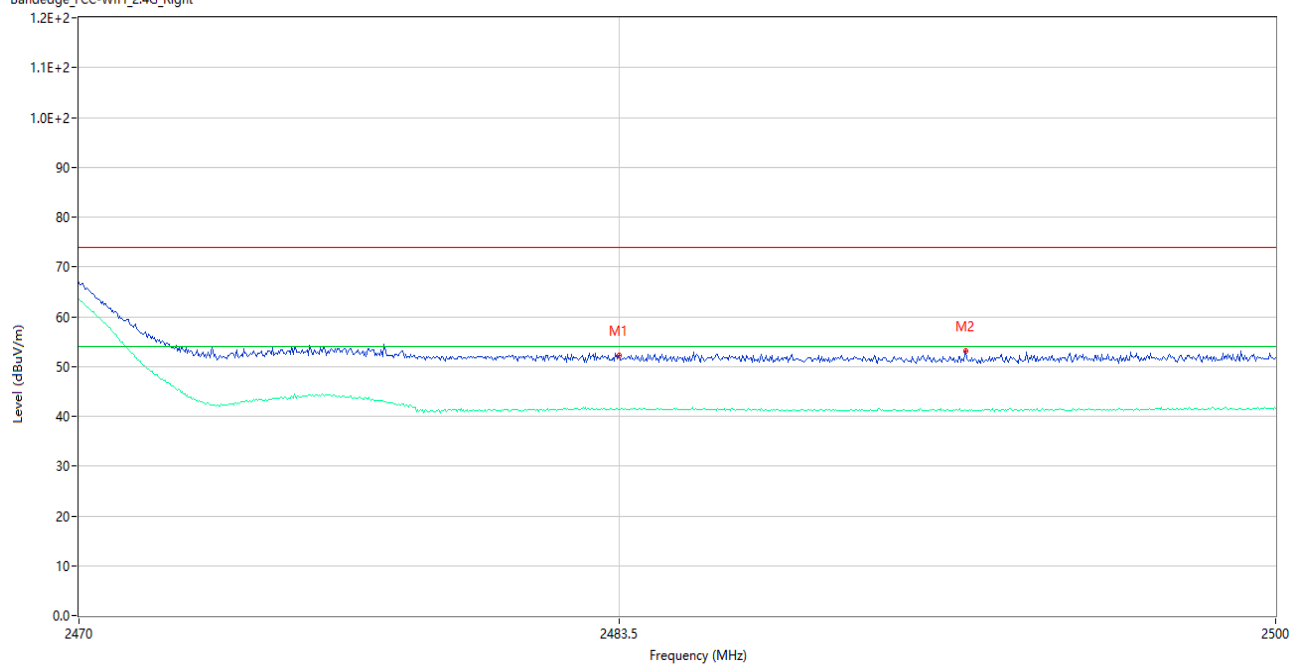
802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	56.52	-4.87	74.0	17.48	Peak	20.00	150	Horizontal	Pass
1**	2390.000	50.04	-4.87	54.0	3.96	AV	20.00	150	Horizontal	Pass
2	2386.700	57.85	-4.68	74.0	16.15	Peak	14.00	150	Horizontal	Pass
2**	2386.700	52.26	-4.68	54.0	1.74	AV	14.00	150	Horizontal	Pass

802.11b HIGH CHANNEL

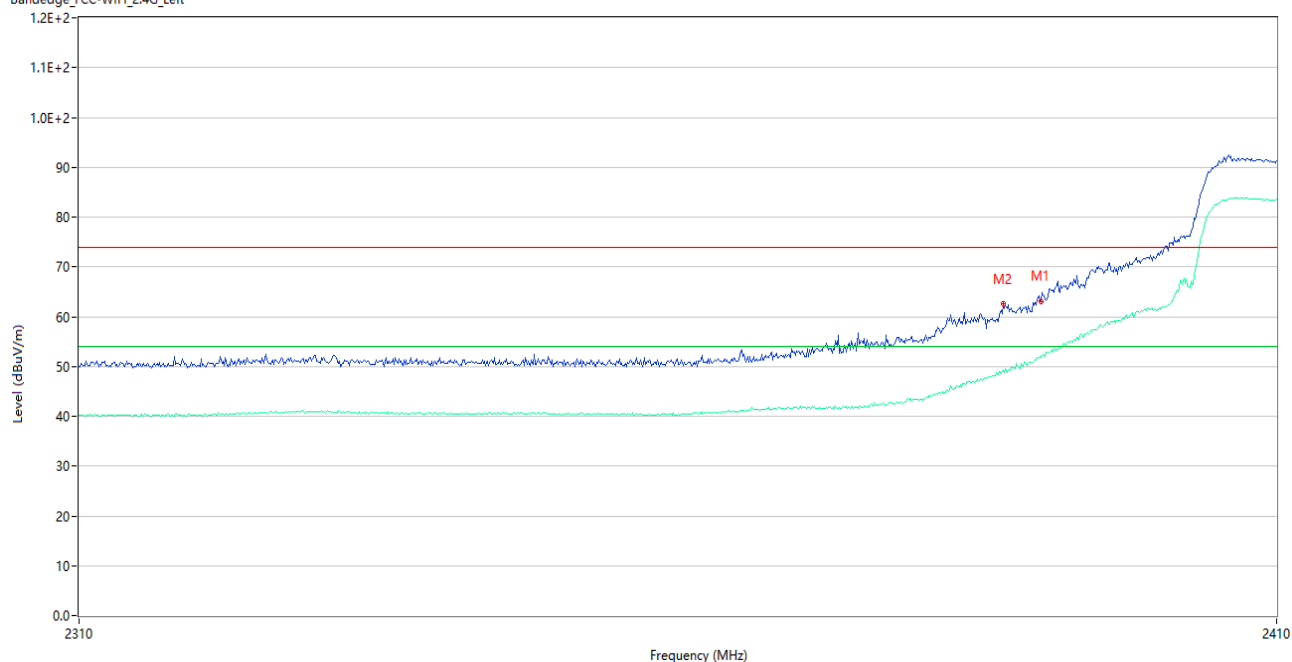
Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.25	-3.78	74.0	21.75	Peak	5.00	150	Horizontal	Pass
1**	2483.500	41.40	-3.78	54.0	12.60	AV	5.00	150	Horizontal	Pass
2	2492.200	53.15	-3.87	74.0	20.85	Peak	205.00	150	Horizontal	Pass
2**	2492.200	41.03	-3.87	54.0	12.97	AV	205.00	150	Horizontal	Pass

802.11g LOW CHANNEL

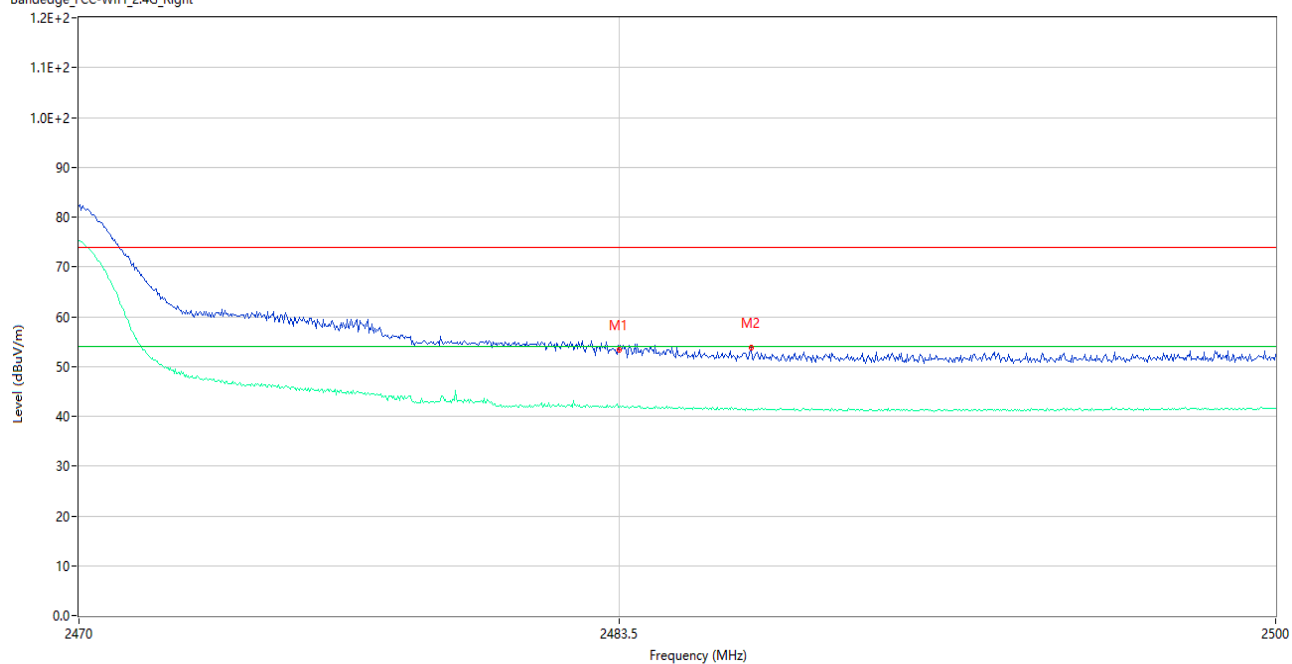
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	63.15	-4.87	74.0	10.85	Peak	360.00	150	Horizontal	Pass
1**	2390.000	51.67	-4.87	54.0	2.33	AV	360.00	150	Horizontal	Pass
2	2386.800	62.58	-4.69	74.0	11.42	Peak	22.00	150	Horizontal	Pass
2**	2386.800	49.36	-4.69	54.0	4.64	AV	22.00	150	Horizontal	Pass

802.11g HIGH CHANNEL

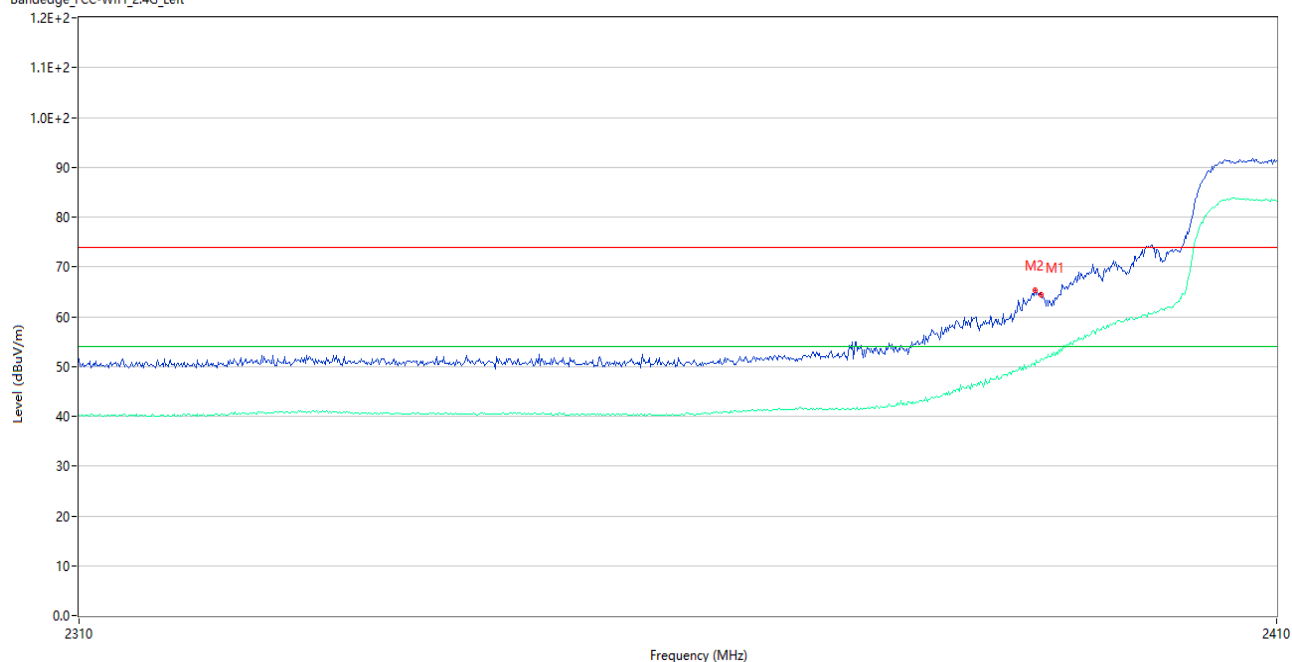
Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.32	-3.78	74.0	20.68	Peak	360.00	150	Horizontal	Pass
1**	2483.500	41.85	-3.78	54.0	12.15	AV	360.00	150	Horizontal	Pass
2	2486.800	53.79	-3.80	74.0	20.21	Peak	21.00	150	Horizontal	Pass
2**	2486.800	41.28	-3.80	54.0	12.72	AV	21.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL

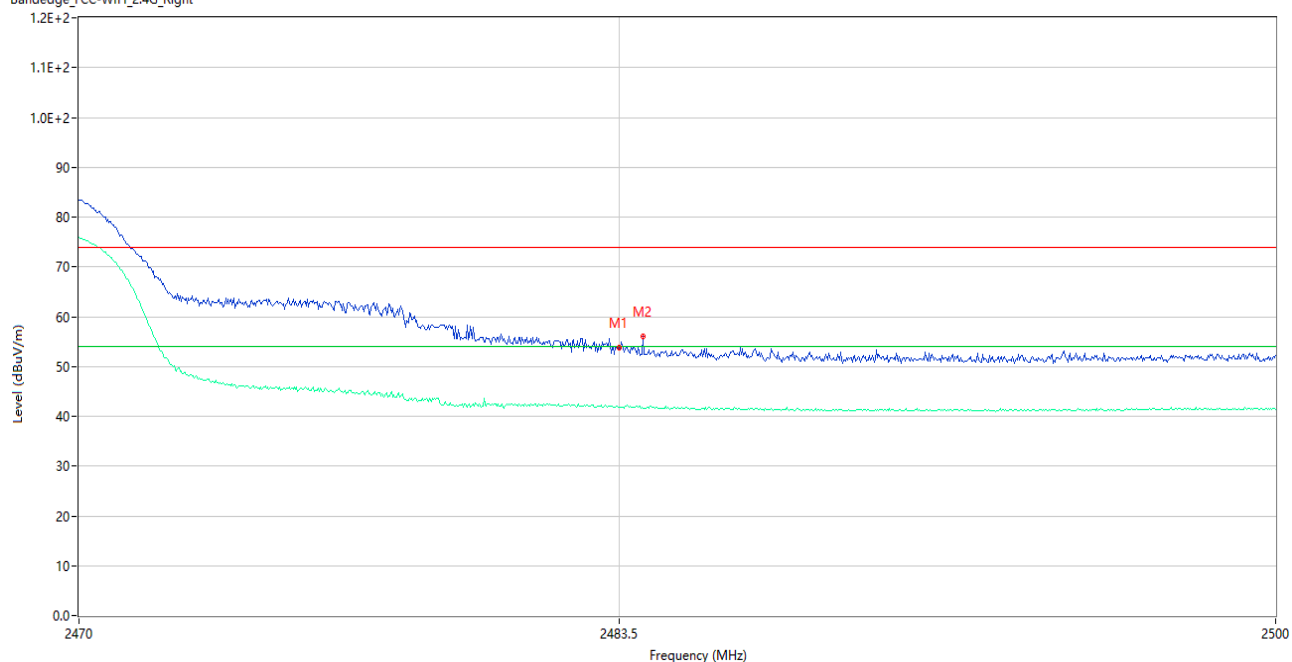
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.51	-4.87	74.0	9.49	Peak	15.01	150	Horizontal	Pass
1**	2390.000	51.61	-4.87	54.0	2.39	AV	15.01	150	Horizontal	Pass
2	2389.500	65.20	-4.85	74.0	8.80	Peak	15.00	150	Horizontal	Pass
2**	2389.500	50.06	-4.85	54.0	3.94	AV	15.00	150	Horizontal	Pass

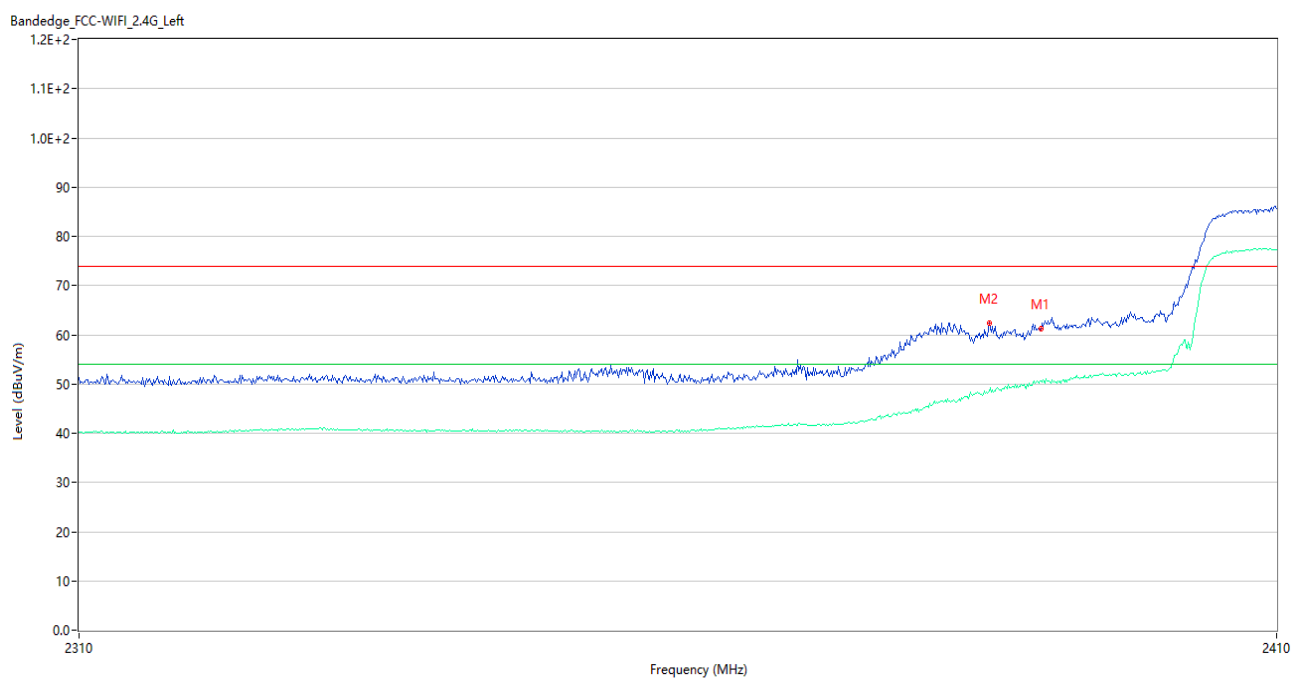
802.11n20 HIGH CHANNEL

Bandedge_FCC-WIFI_2.4G_Right



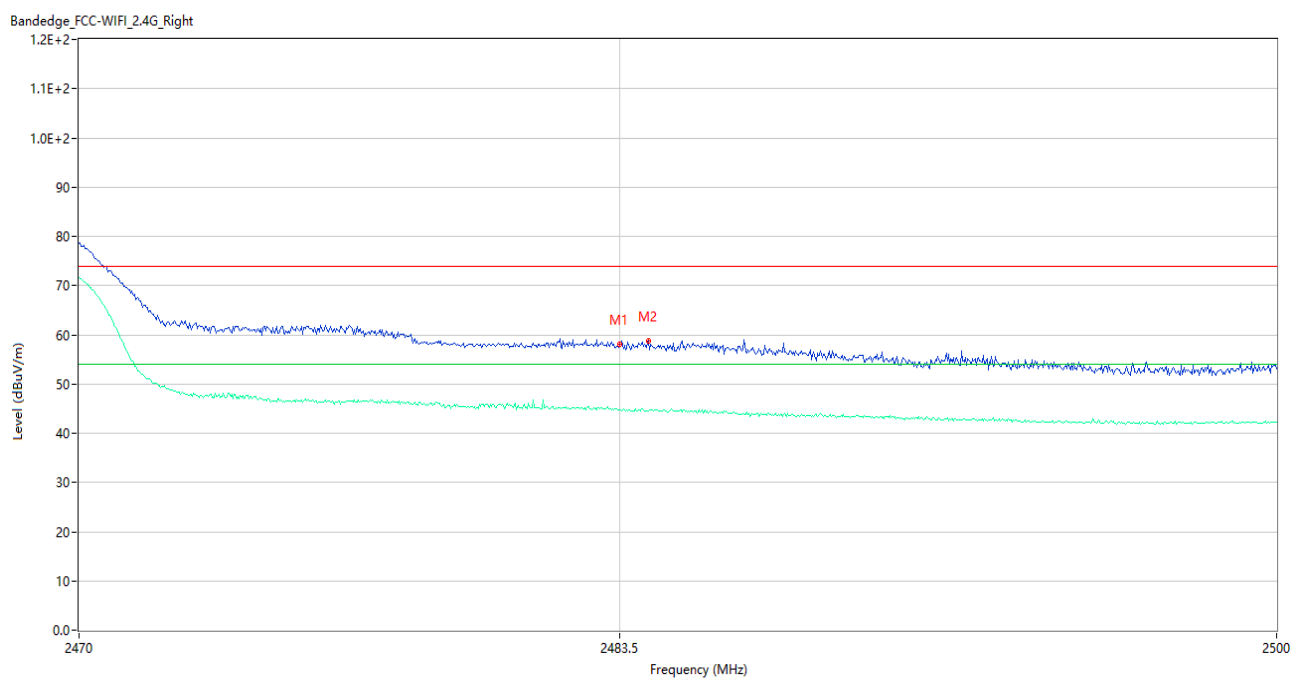
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.74	-3.78	74.0	20.26	Peak	355.00	150	Horizontal	Pass
1**	2483.500	41.77	-3.78	54.0	12.23	AV	355.00	150	Horizontal	Pass
2	2484.100	56.00	-3.78	74.0	18.00	Peak	14.00	150	Horizontal	Pass
2**	2484.100	41.66	-3.78	54.0	12.34	AV	14.00	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	61.16	-4.87	74.0	12.84	Peak	17.01	150	Horizontal	Pass
1**	2390.000	50.53	-4.87	54.0	3.47	AV	17.01	150	Horizontal	Pass
2	2385.600	62.35	-4.62	74.0	11.65	Peak	18.00	150	Horizontal	Pass
2**	2385.600	48.59	-4.62	54.0	5.41	AV	18.00	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	58.15	-3.78	74.0	15.85	Peak	15.00	150	Horizontal	Pass
1**	2483.500	44.71	-3.78	54.0	9.29	AV	15.00	150	Horizontal	Pass
2	2484.220	58.70	-3.78	74.0	15.30	Peak	34.00	150	Horizontal	Pass
2**	2484.220	44.55	-3.78	54.0	9.45	AV	34.00	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	-7.02	8
Middle	-5.20	8
High	-5.61	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.54	8
Middle	-8.58	8
High	-8.06	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.19	8
Middle	-9.92	8
High	-8.56	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.85	8
Middle	-12.16	8
High	-10.18	8

Test Plots

802.11b LOW CHANNEL



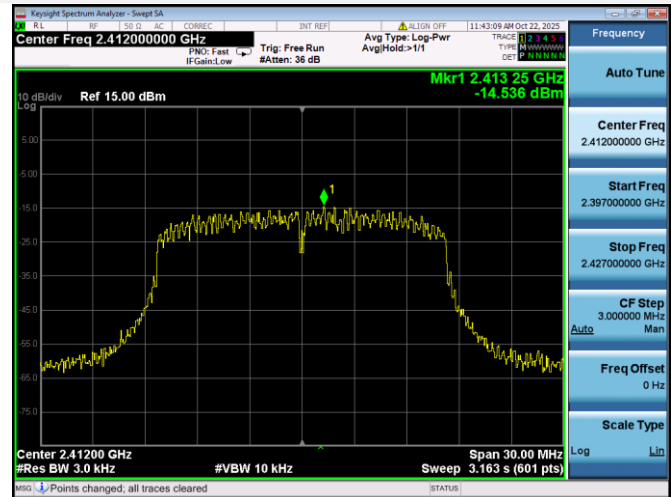
802.11b MIDDLE CHANNEL



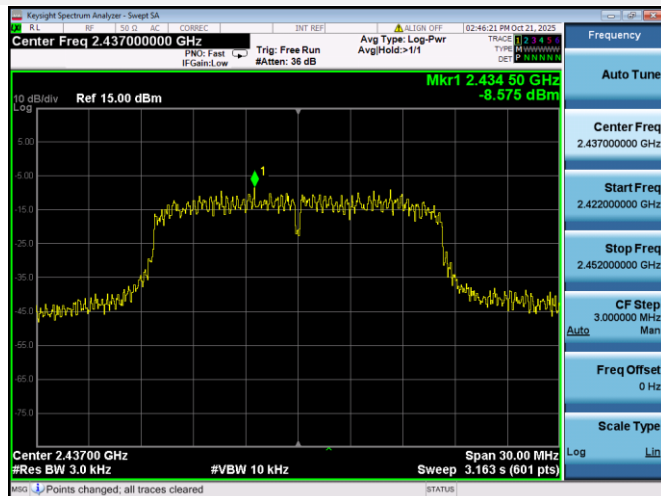
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



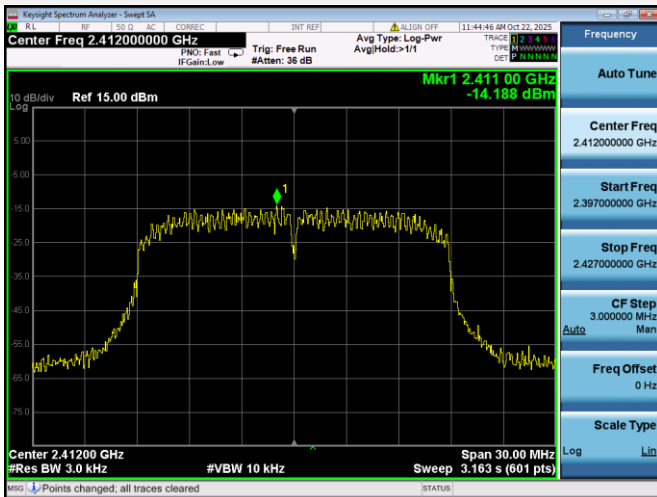
802.11g MIDDLE CHANNEL



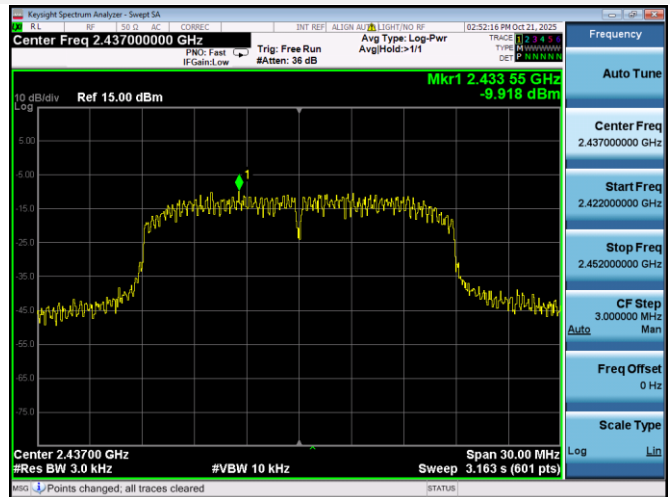
802.11g HIGH CHANNEL



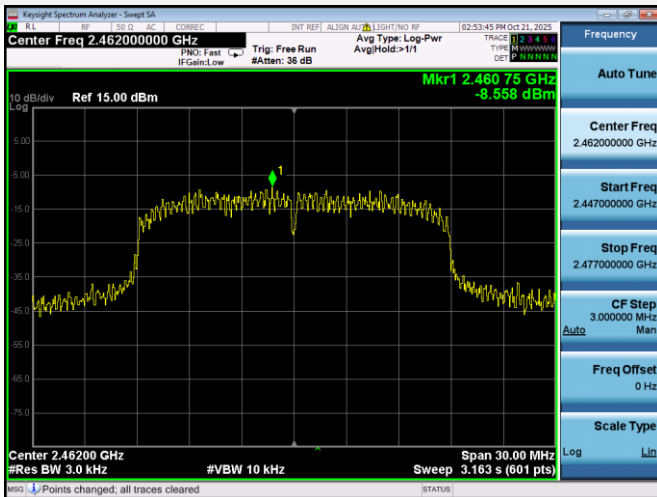
802.11n-20 MHz LOW CHANNEL



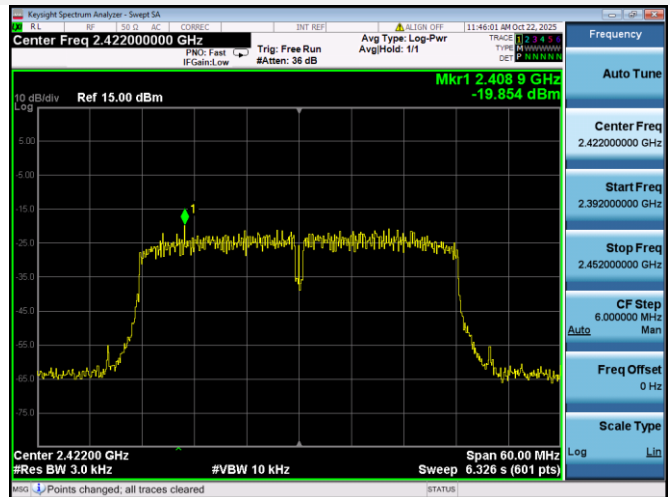
802.11 n-20 MHz MIDDLE CHANNEL



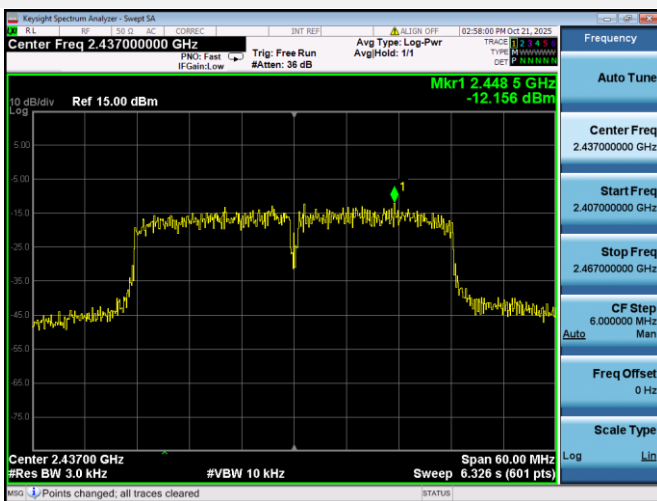
802.11n-20 MHz HIGH CHANNEL



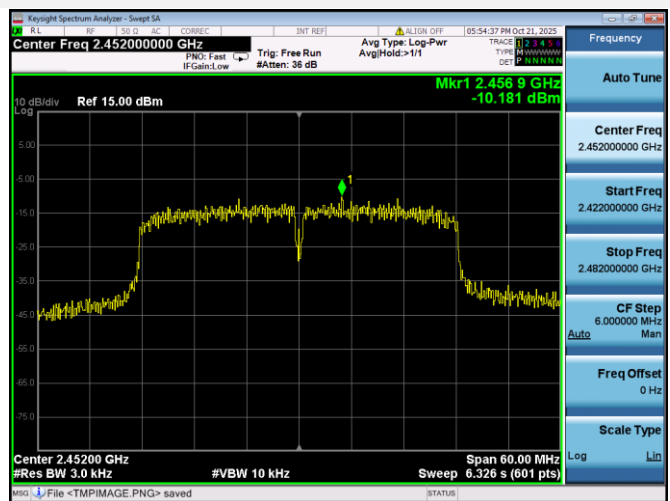
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2591114-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2591114-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2591114-AI.PDF”.

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--END OF REPORT--