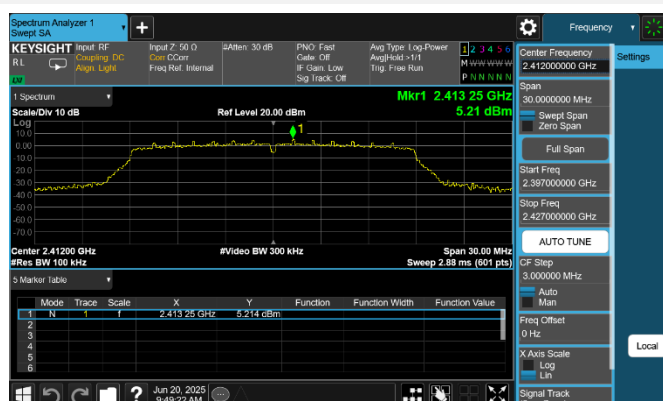
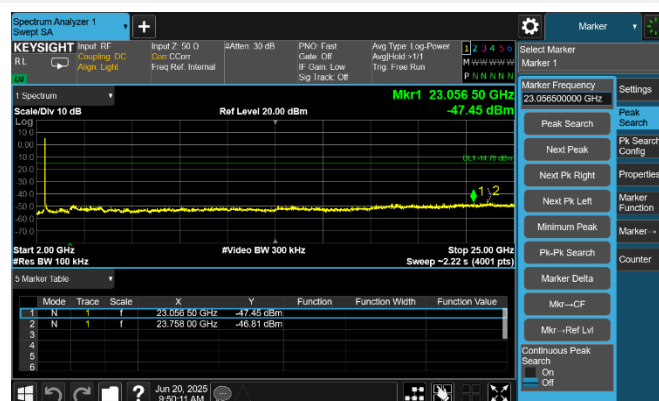
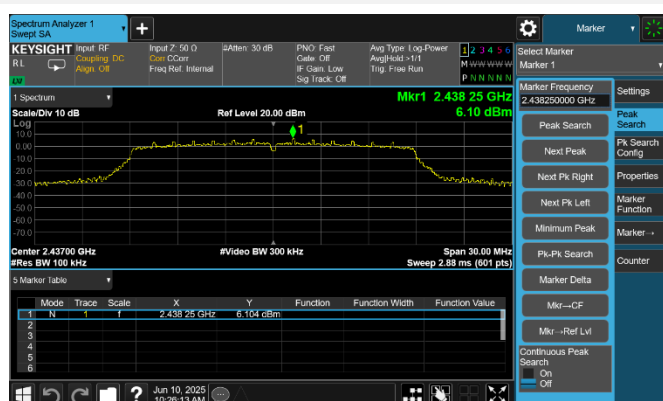


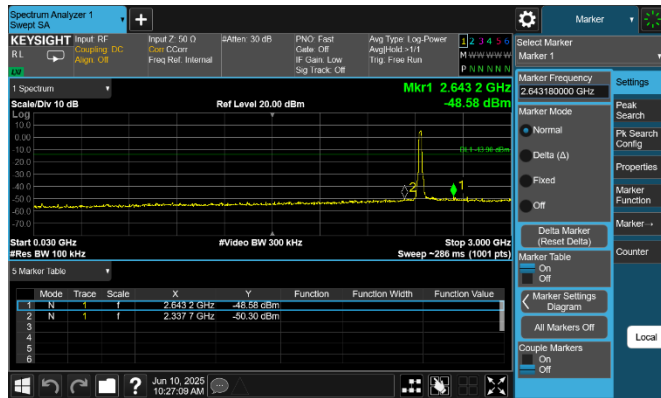
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

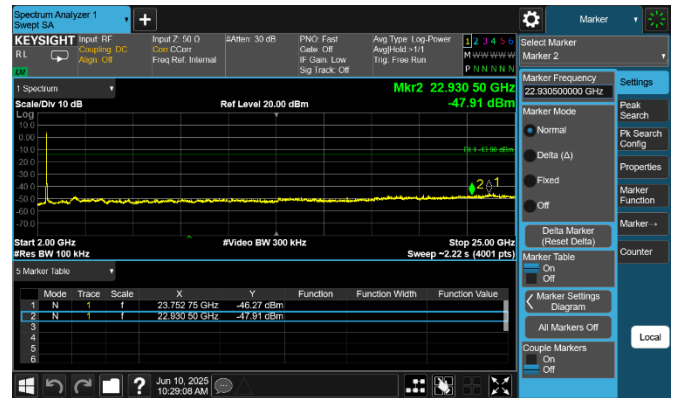
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



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



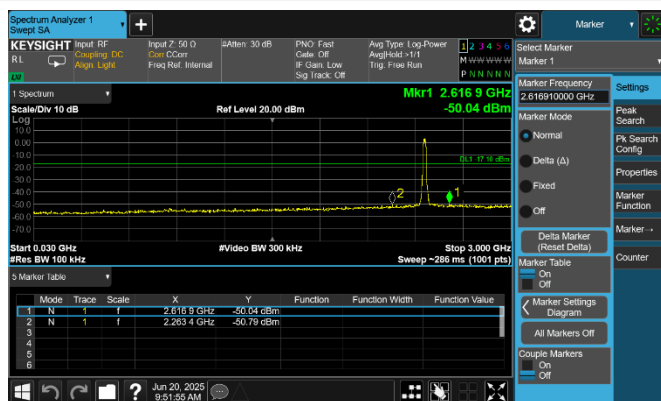
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



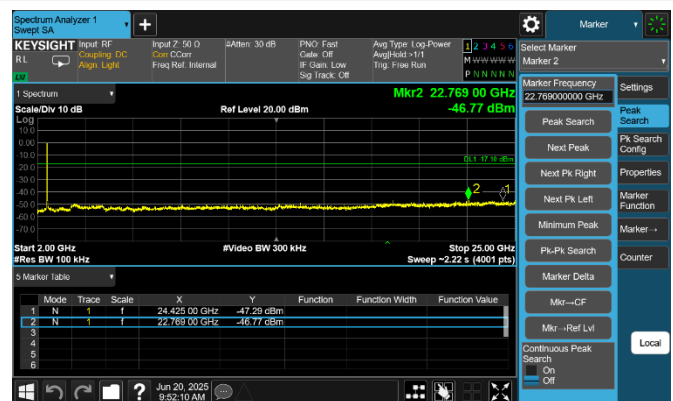
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



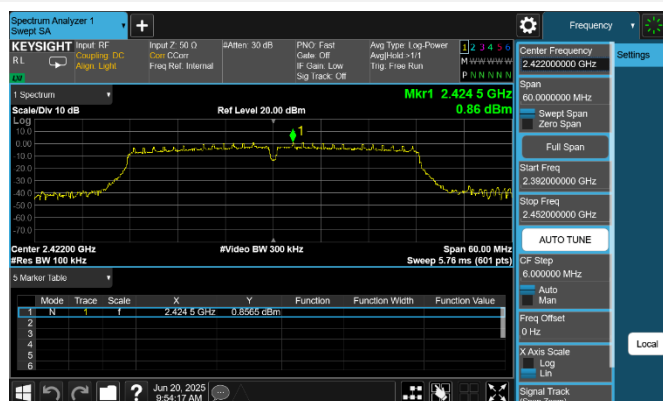
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



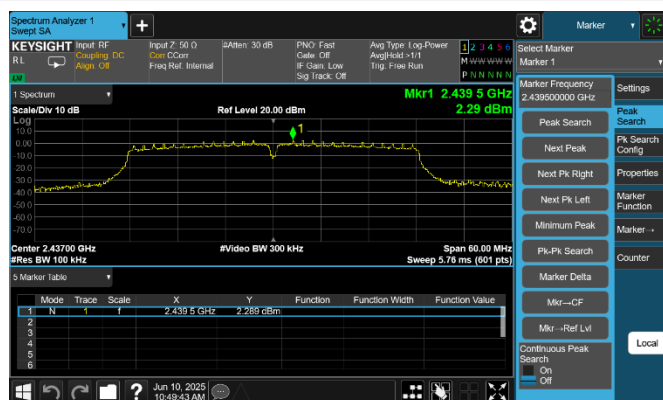
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



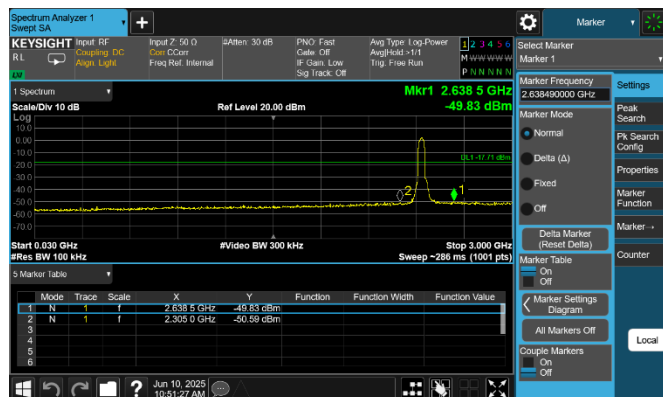
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

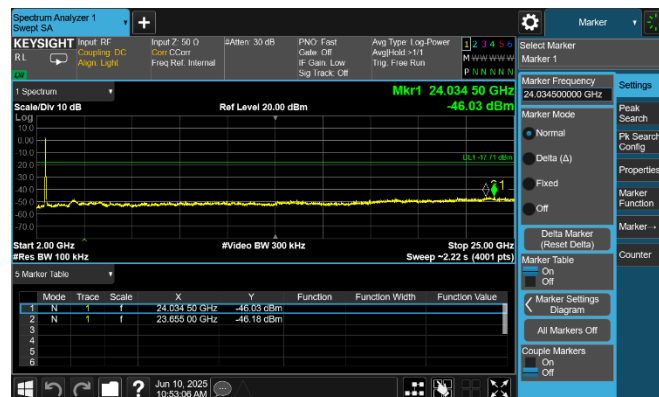
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



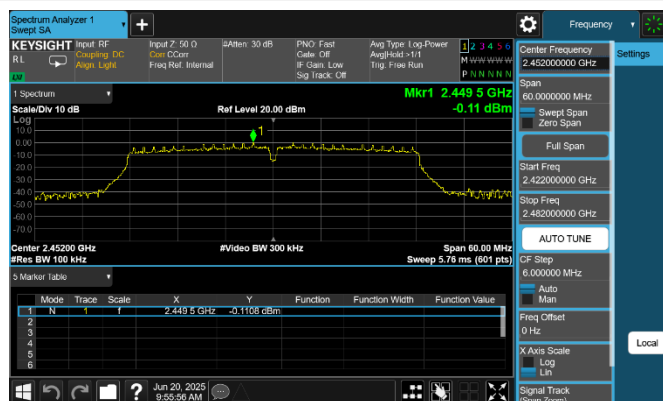
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



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	-44.74	5.94	-14.06	Pass
High	-50.98	6.13	-13.87	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-26.68	6.10	-13.90	Pass
High	-42.62	5.09	-14.91	Pass

802.11n-20 MHz Mode:

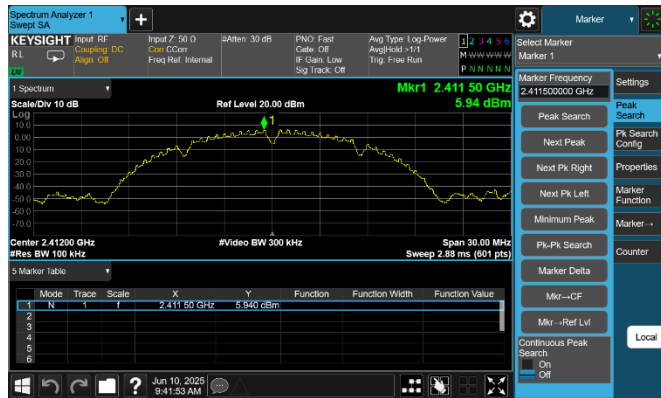
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-31.61	5.21	-14.79	Pass
High	-42.54	2.90	-17.10	Pass

802.11n-40 MHz Mode:

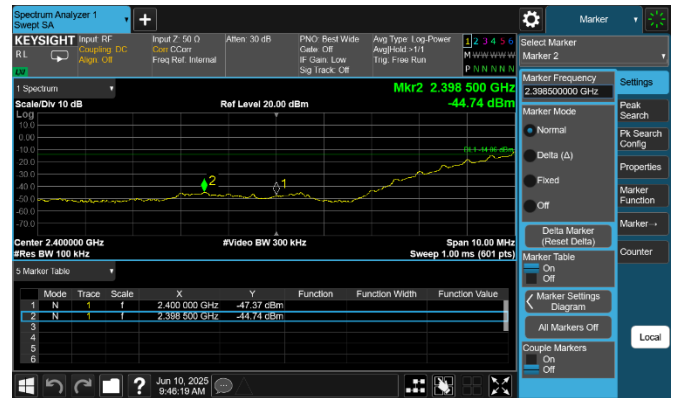
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.53	0.86	-19.14	Pass
High	-40.83	-0.11	-20.11	Pass

Test Plots

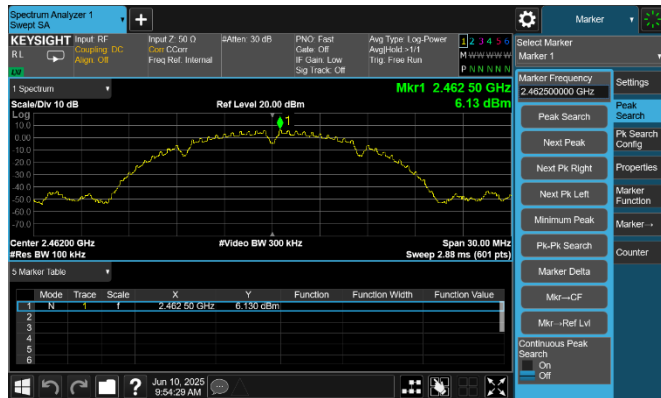
802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



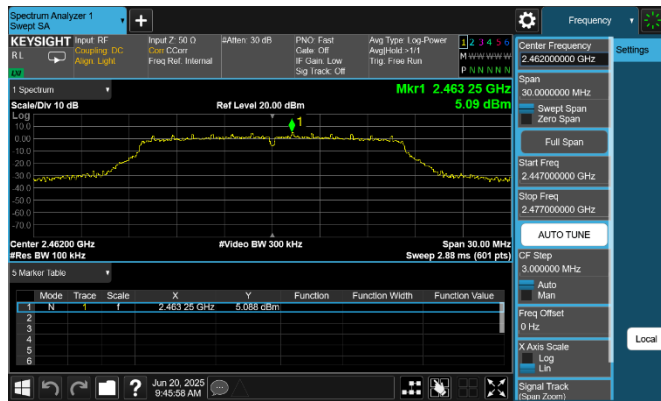
802.11g LOW CHANNEL, CARRIER LEVEL



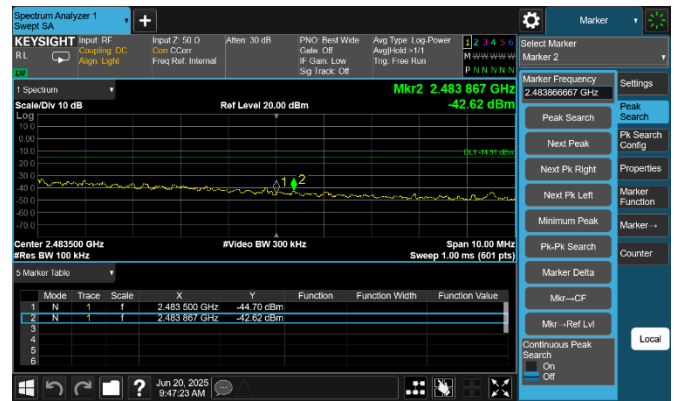
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



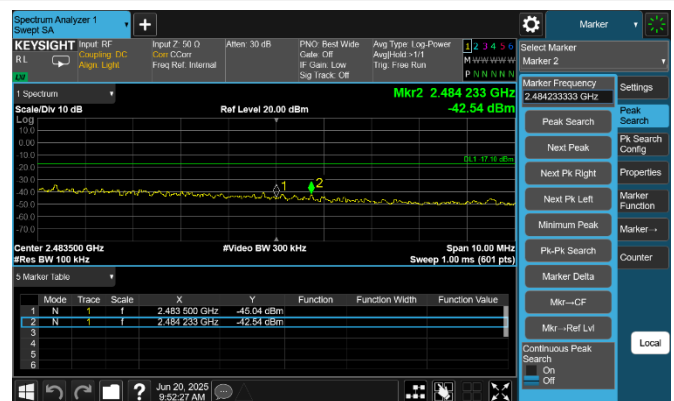
802.11n-20 MHz LOW CHANNEL, BAND EDGE



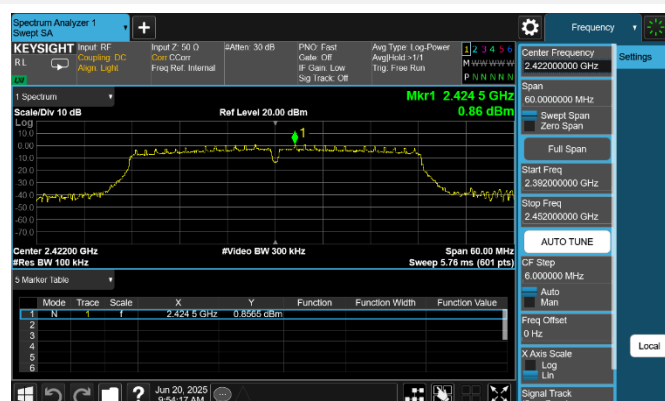
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



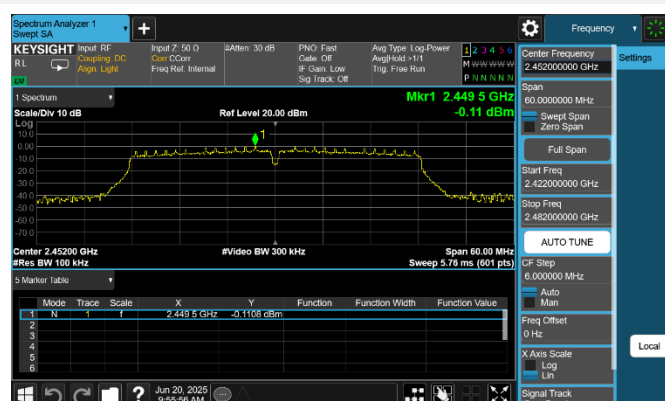
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



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.

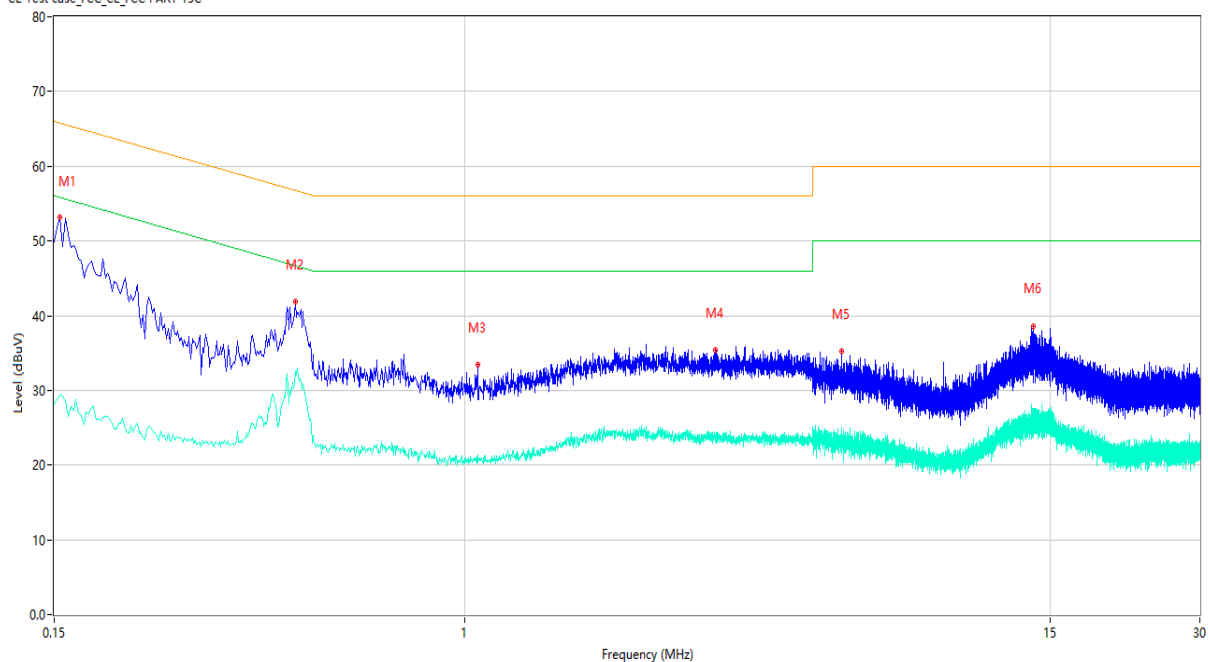
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (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

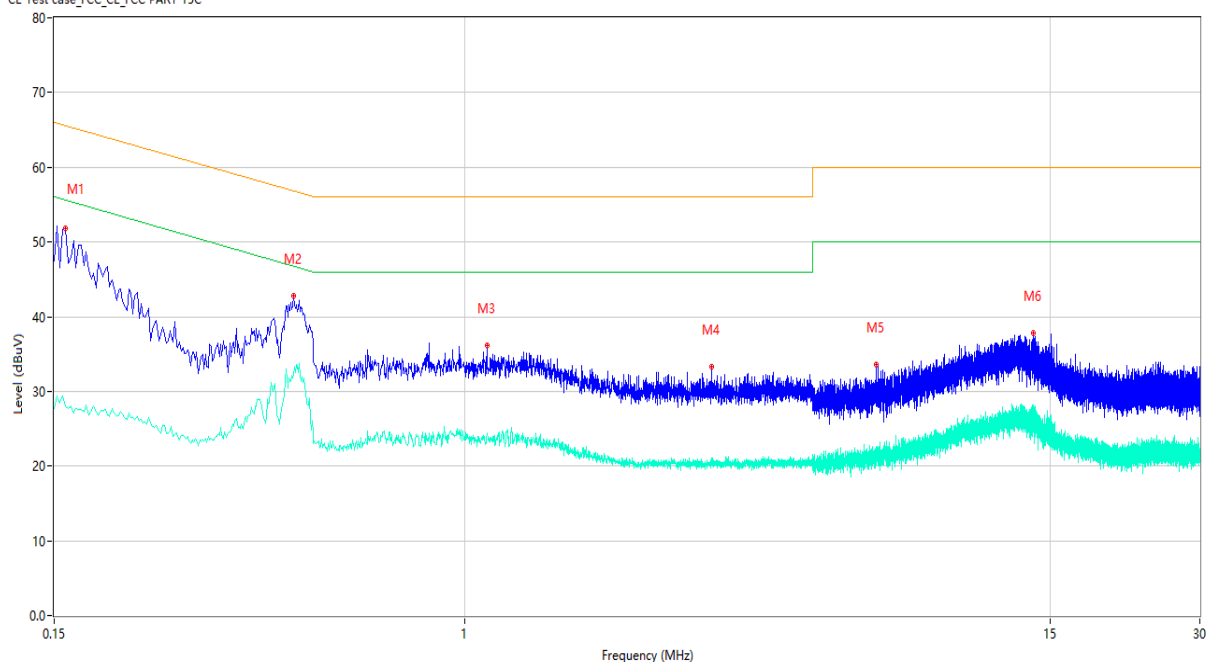
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.154	53.12	10.06	65.78	12.66	Peak	L	Pass
1**	0.154	29.31	10.06	55.78	26.47	AV	L	Pass
2	0.458	41.87	10.14	56.73	14.86	Peak	L	Pass
2**	0.458	32.59	10.14	46.73	14.14	AV	L	Pass
3	1.062	33.46	10.20	56.00	22.54	Peak	L	Pass
3**	1.062	21.40	10.20	46.00	24.60	AV	L	Pass
4	3.194	35.37	10.39	56.00	20.63	Peak	L	Pass
4**	3.194	23.52	10.39	46.00	22.48	AV	L	Pass
5	5.726	35.26	10.54	60.00	24.74	Peak	L	Pass
5**	5.726	25.08	10.54	50.00	24.92	AV	L	Pass
6	13.872	38.63	11.13	60.00	21.37	Peak	L	Pass
6**	13.872	26.19	11.13	50.00	23.81	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	0.158	51.79	10.15	65.57	13.78	Peak	N	Pass
1**	0.158	28.08	10.15	55.57	27.49	AV	N	Pass
2	0.454	42.81	10.17	56.80	13.99	Peak	N	Pass
2**	0.454	32.29	10.17	46.80	14.51	AV	N	Pass
3	1.110	36.20	10.25	56.00	19.80	Peak	N	Pass
3**	1.110	24.05	10.25	46.00	21.95	AV	N	Pass
4	3.132	33.28	10.31	56.00	22.72	Peak	N	Pass
4**	3.132	20.43	10.31	46.00	25.57	AV	N	Pass
5	6.712	33.53	10.59	60.00	26.47	Peak	N	Pass
5**	6.712	21.79	10.59	50.00	28.21	AV	N	Pass
6	13.876	37.77	11.08	60.00	22.23	Peak	N	Pass
6**	13.876	28.13	11.08	50.00	21.87	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.

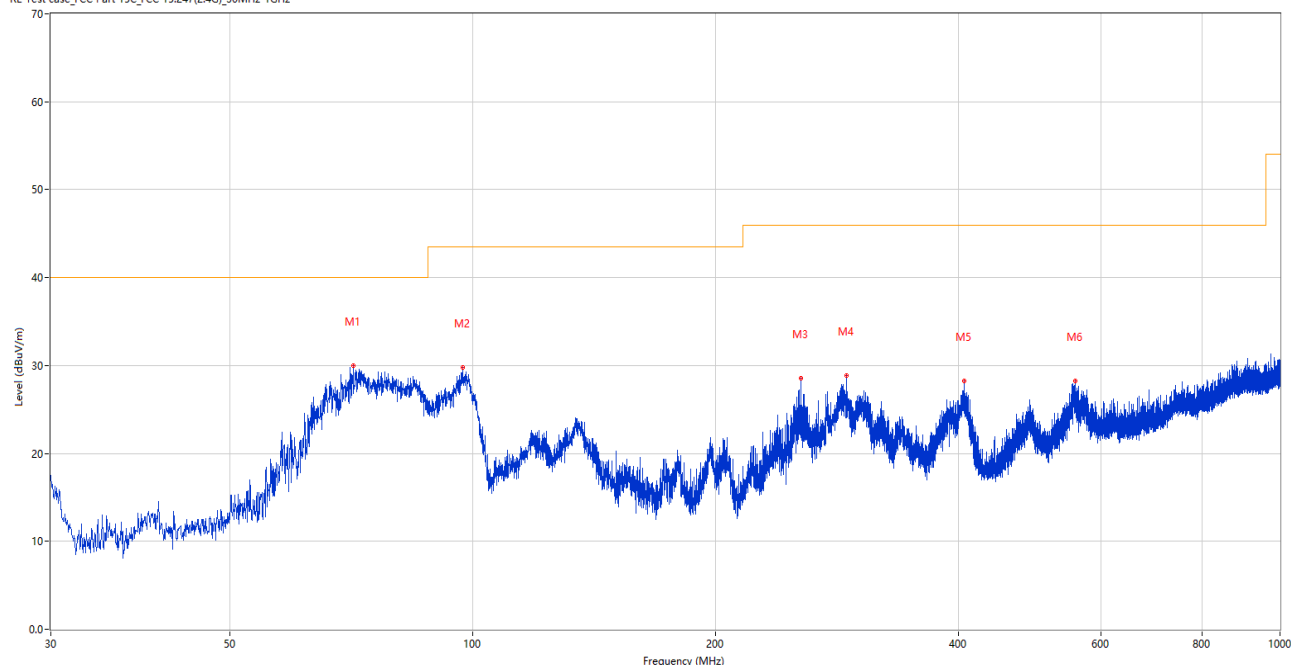
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

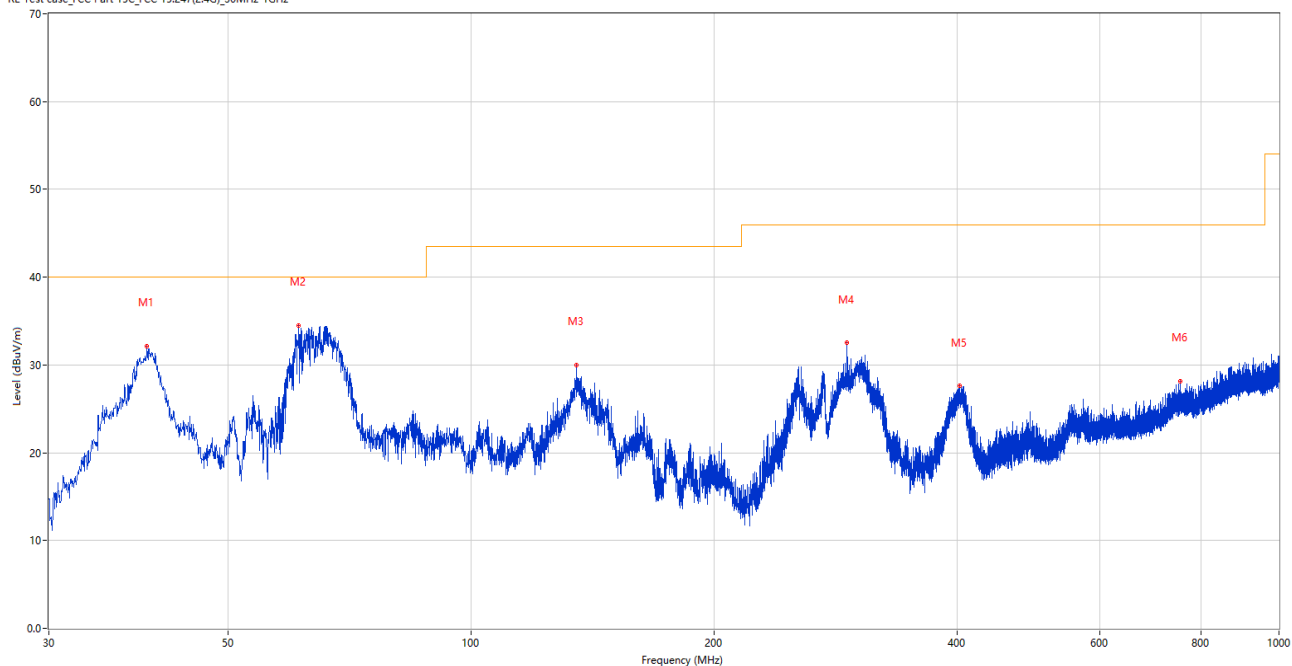
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	71.128	29.99	-29.34	40.0	10.01	Peak	135.00	200	Horizontal	Pass
2	97.270	29.78	-26.32	43.5	13.72	Peak	359.00	200	Horizontal	Pass
3	254.943	28.56	-24.07	46.0	17.44	Peak	274.00	200	Horizontal	Pass
4	290.639	28.86	-23.17	46.0	17.14	Peak	286.00	200	Horizontal	Pass
5	406.651	28.21	-20.24	46.0	17.79	Peak	360.00	100	Horizontal	Pass
6	557.825	28.24	-16.84	46.0	17.76	Peak	68.00	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	39.700	32.13	-26.01	40.0	7.87	Peak	147.00	100	Vertical	Pass
2	61.137	34.46	-26.30	40.0	5.54	Peak	284.00	100	Vertical	Pass
3	134.954	29.95	-29.29	43.5	13.55	Peak	144.00	200	Vertical	Pass
4	291.609	32.50	-23.20	46.0	13.50	Peak	0.00	200	Vertical	Pass
5	402.189	27.58	-20.36	46.0	18.42	Peak	296.00	200	Vertical	Pass
6	755.463	28.12	-11.96	46.0	17.88	Peak	204.00	100	Vertical	Pass

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

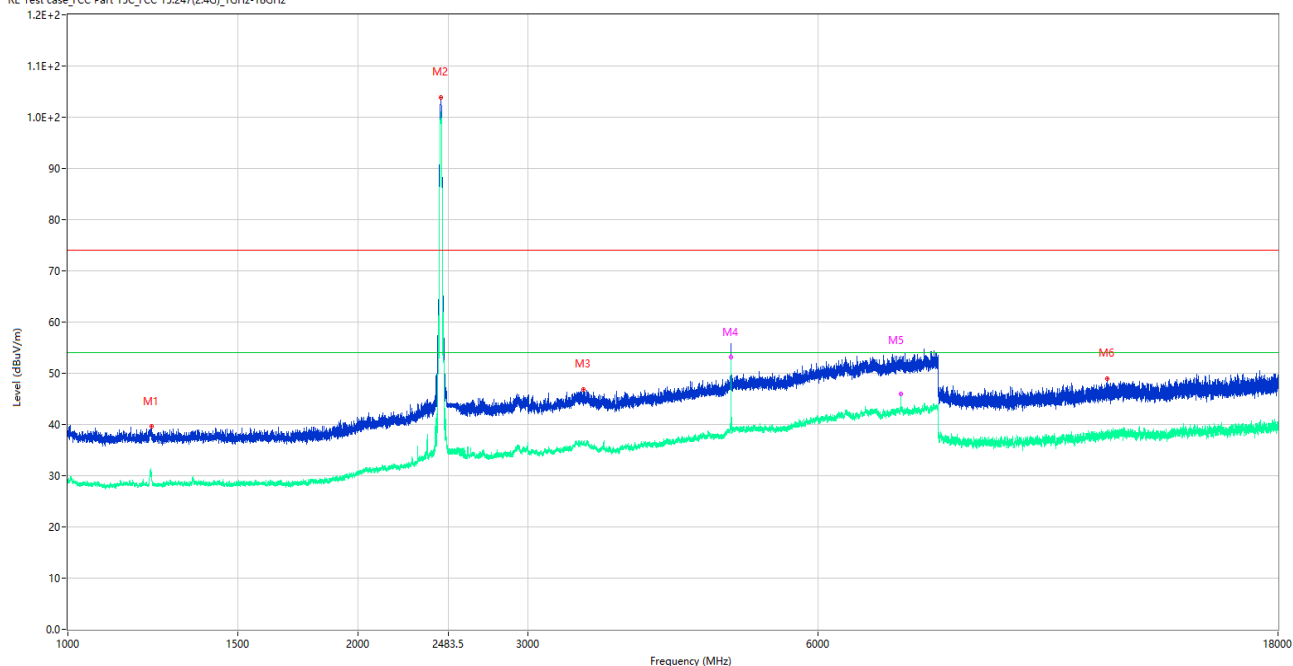
Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: All 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

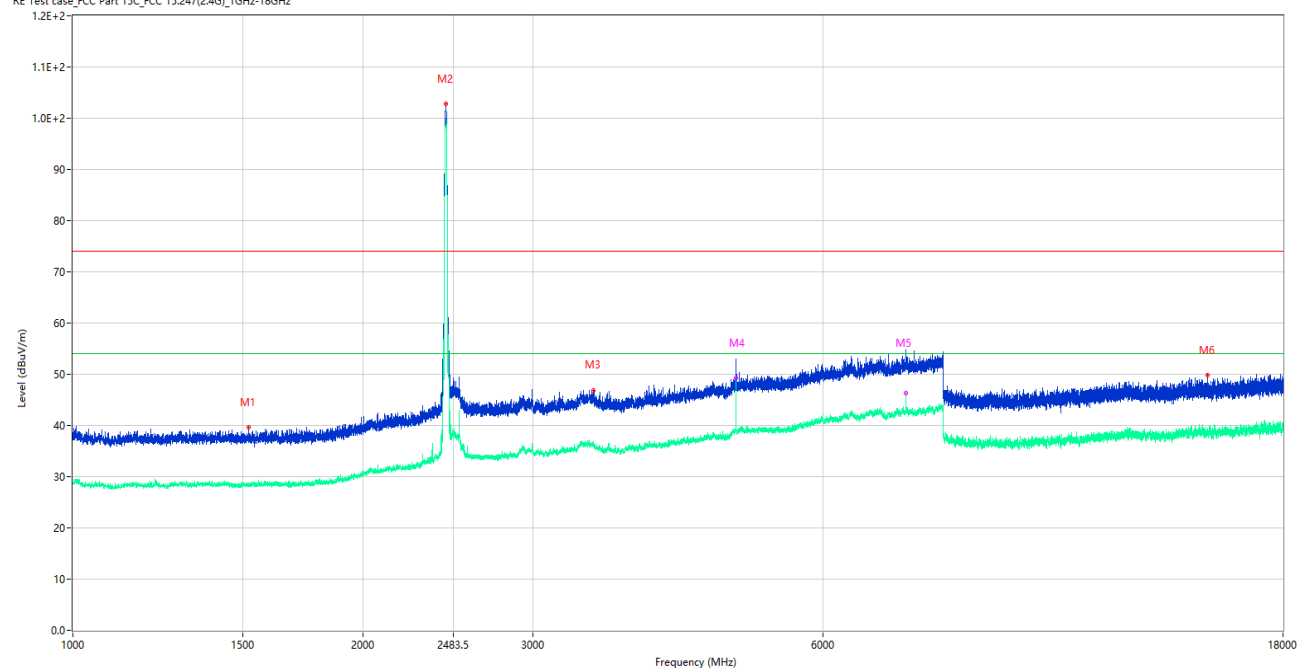
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1220.750	39.61	-15.98	74.0	34.39	Peak	210.00	150	Horizontal	Pass
1**	1220.750	30.31	-15.98	54.0	23.69	AV	210.00	150	Horizontal	Pass
2	2438.250	103.87	-12.38	74.0	-29.87	Peak	133.00	150	Horizontal	N/A
2**	2438.250	101.05	-12.38	54.0	-47.05	AV	133.00	150	Horizontal	N/A
3	3427.500	46.90	-4.93	74.0	27.10	Peak	90.00	150	Horizontal	Pass
3**	3427.500	36.58	-4.93	54.0	17.42	AV	90.00	150	Horizontal	Pass
4	4874.500	55.19	-2.25	74.0	18.81	Peak	160.00	150	Horizontal	Pass
4**	4874.500	53.12	-2.25	54.0	0.88	AV	160.00	150	Horizontal	Pass
5	7310.000	52.67	0.60	74.0	21.33	Peak	178.00	150	Horizontal	Pass
5**	7310.000	46.04	0.60	54.0	7.96	AV	178.00	150	Horizontal	Pass
6	11967.500	48.96	-3.21	74.0	25.04	Peak	38.00	150	Horizontal	Pass
6**	11967.500	38.00	-3.21	54.0	16.00	AV	38.00	150	Horizontal	Pass

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

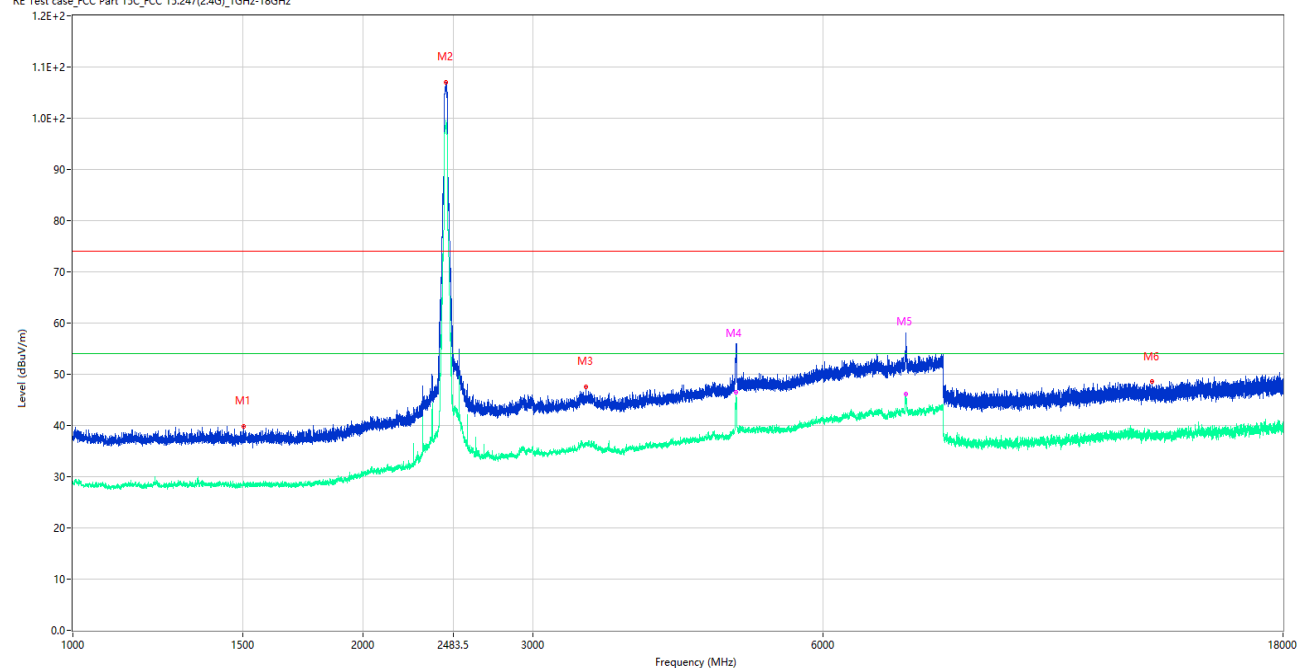
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.000	39.58	-16.07	74.0	34.42	Peak	21.00	150	Vertical	Pass
1**	1523.000	28.47	-16.07	54.0	25.53	AV	21.00	150	Vertical	Pass
2	2438.250	102.79	-12.38	74.0	-28.79	Peak	7.00	150	Vertical	N/A
2**	2438.250	99.92	-12.38	54.0	-45.92	AV	7.00	150	Vertical	N/A
3	3468.500	46.91	-5.37	74.0	27.09	Peak	358.00	150	Vertical	Pass
3**	3468.500	36.17	-5.37	54.0	17.83	AV	358.00	150	Vertical	Pass
4	4874.500	52.75	-2.25	74.0	21.25	Peak	233.00	150	Vertical	Pass
4**	4874.500	49.29	-2.25	54.0	4.71	AV	233.00	150	Vertical	Pass
5	7313.000	52.97	0.66	74.0	21.03	Peak	22.00	150	Vertical	Pass
5**	7313.000	46.33	0.66	54.0	7.67	AV	22.00	150	Vertical	Pass
6	15030.500	49.76	-2.44	74.0	24.24	Peak	89.00	150	Vertical	Pass
6**	15030.500	39.01	-2.44	54.0	14.99	AV	89.00	150	Vertical	Pass

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

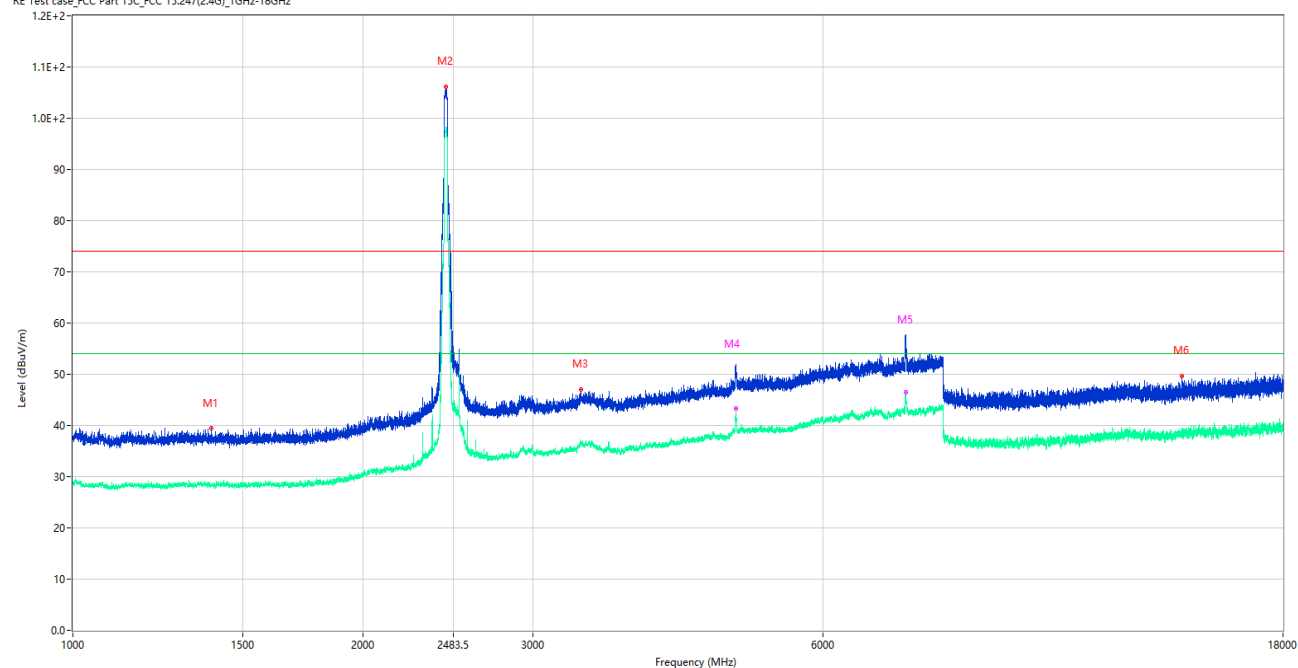
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.500	39.91	-16.08	74.0	34.09	Peak	339.00	150	Horizontal	Pass
1**	1503.500	28.27	-16.08	54.0	25.73	AV	339.00	150	Horizontal	Pass
2	2439.000	107.04	-12.37	74.0	-33.04	Peak	135.00	150	Horizontal	N/A
2**	2439.000	99.44	-12.37	54.0	-45.44	AV	135.00	150	Horizontal	N/A
3	3404.000	47.55	-5.50	74.0	26.45	Peak	53.00	150	Horizontal	Pass
3**	3404.000	36.37	-5.50	54.0	17.63	AV	53.00	150	Horizontal	Pass
4	4876.500	54.22	-2.25	74.0	19.78	Peak	172.00	150	Horizontal	Pass
4**	4876.500	46.54	-2.25	54.0	7.46	AV	172.00	150	Horizontal	Pass
5	7312.500	54.65	0.64	74.0	19.35	Peak	94.00	150	Horizontal	Pass
5**	7312.500	46.15	0.64	54.0	7.85	AV	94.00	150	Horizontal	Pass
6	13173.000	48.56	-2.75	74.0	25.44	Peak	270.00	150	Horizontal	Pass
6**	13173.000	38.03	-2.75	54.0	15.97	AV	270.00	150	Horizontal	Pass

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

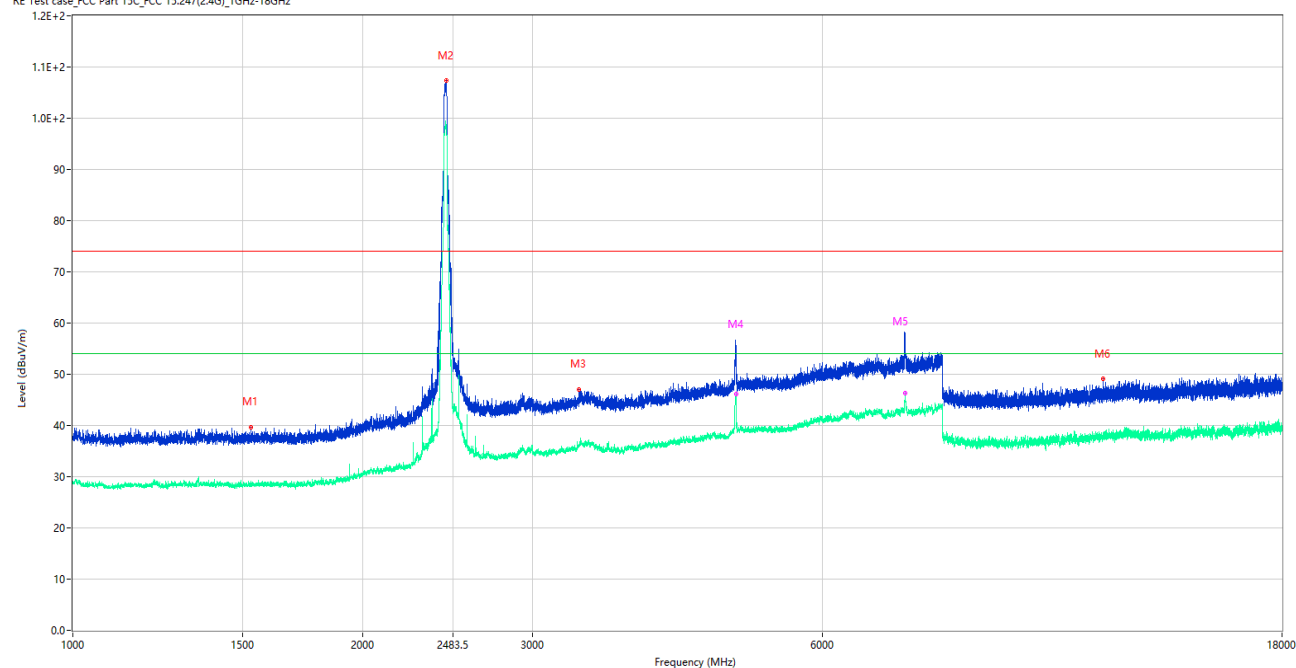
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.000	39.44	-16.00	74.0	34.56	Peak	194.00	150	Vertical	Pass
1**	1392.000	28.10	-16.00	54.0	25.90	AV	194.00	150	Vertical	Pass
2	2438.500	106.16	-12.37	74.0	-32.16	Peak	2.00	150	Vertical	N/A
2**	2438.500	98.21	-12.37	54.0	-44.21	AV	2.00	150	Vertical	N/A
3	3365.000	47.05	-5.19	74.0	26.95	Peak	120.00	150	Vertical	Pass
3**	3365.000	36.54	-5.19	54.0	17.46	AV	120.00	150	Vertical	Pass
4	4874.500	51.85	-2.25	74.0	22.15	Peak	230.00	150	Vertical	Pass
4**	4874.500	43.35	-2.25	54.0	10.65	AV	230.00	150	Vertical	Pass
5	7310.000	55.57	0.60	74.0	18.43	Peak	170.00	150	Vertical	Pass
5**	7310.000	46.52	0.60	54.0	7.48	AV	170.00	150	Vertical	Pass
6	14145.000	49.73	-1.14	74.0	24.27	Peak	1.00	150	Vertical	Pass
6**	14145.000	38.42	-1.14	54.0	15.58	AV	1.00	150	Vertical	Pass

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

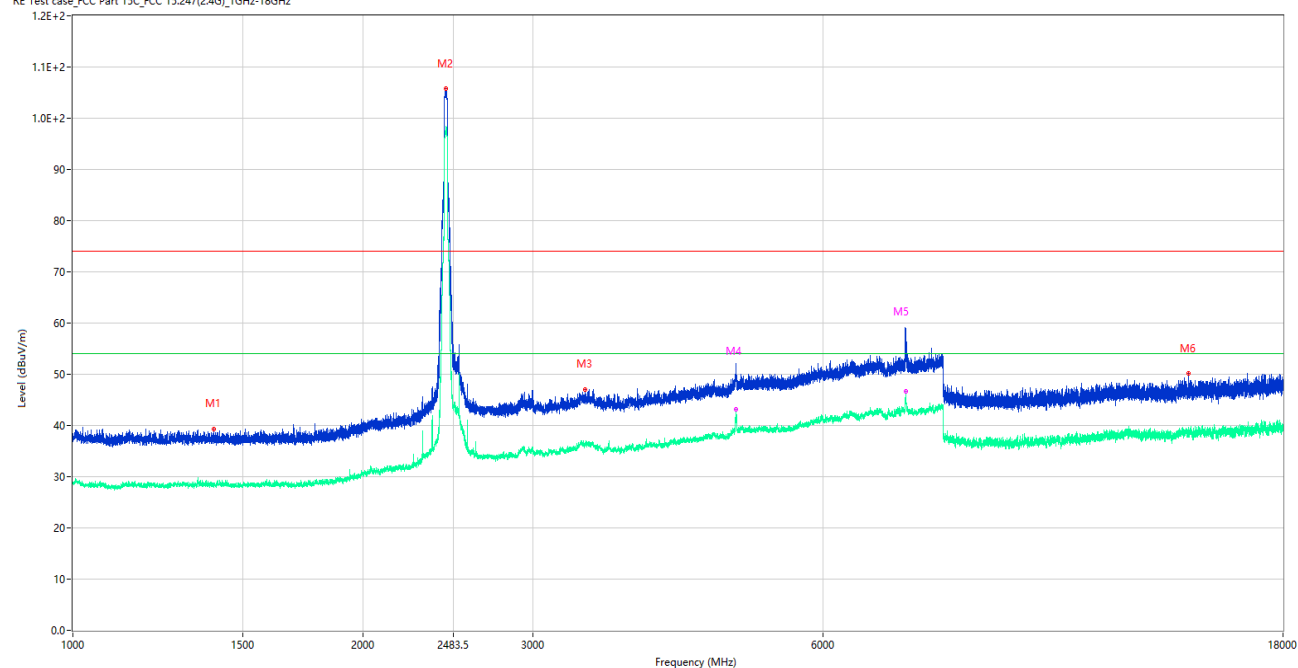
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.000	39.69	-16.05	74.0	34.31	Peak	243.00	150	Horizontal	Pass
1**	1532.000	28.41	-16.05	54.0	25.59	AV	243.00	150	Horizontal	Pass
2	2439.750	107.30	-12.37	74.0	-33.30	Peak	129.00	150	Horizontal	N/A
2**	2439.750	98.76	-12.37	54.0	-44.76	AV	129.00	150	Horizontal	N/A
3	3355.000	47.09	-6.33	74.0	26.91	Peak	252.00	150	Horizontal	Pass
3**	3355.000	36.17	-6.33	54.0	17.83	AV	252.00	150	Horizontal	Pass
4	4878.500	55.68	-2.26	74.0	18.32	Peak	151.00	150	Horizontal	Pass
4**	4878.500	46.06	-2.26	54.0	7.94	AV	151.00	150	Horizontal	Pass
5	7307.500	56.25	0.55	74.0	17.75	Peak	360.00	150	Horizontal	Pass
5**	7307.500	46.35	0.55	54.0	7.65	AV	360.00	150	Horizontal	Pass
6	11745.000	49.07	-2.79	74.0	24.93	Peak	11.00	150	Horizontal	Pass
6**	11745.000	38.37	-2.79	54.0	15.63	AV	11.00	150	Horizontal	Pass

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

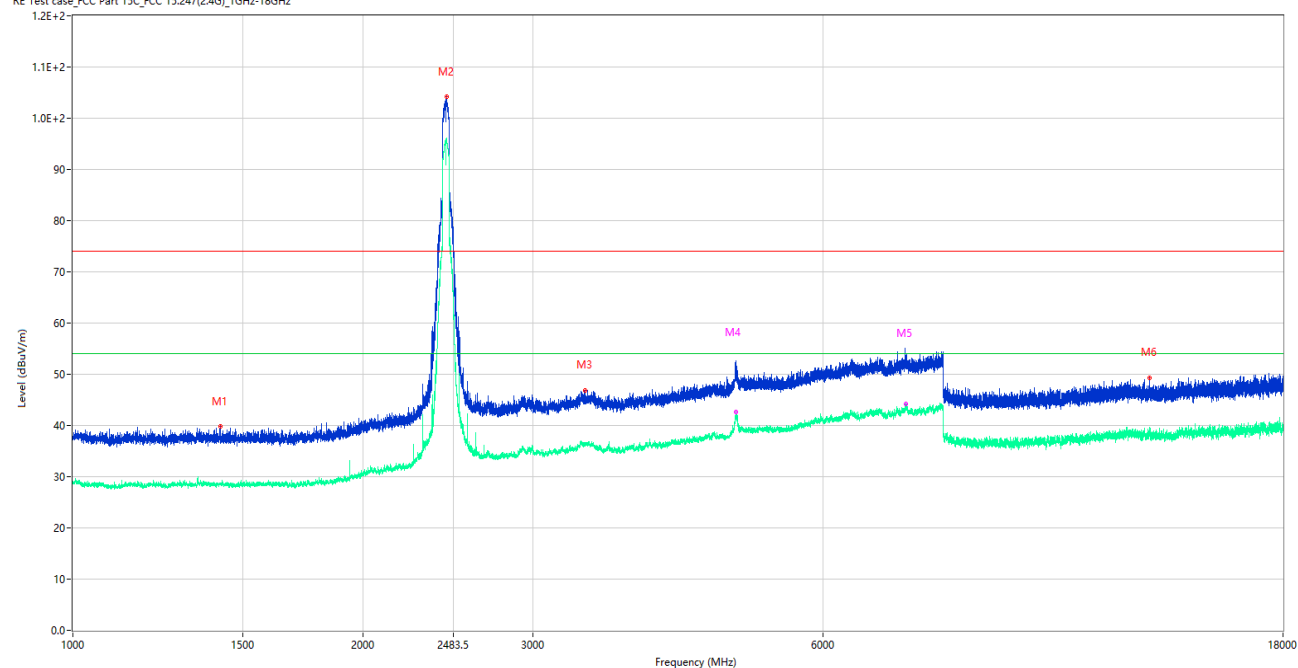
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.000	39.34	-15.99	74.0	34.66	Peak	329.00	150	Vertical	Pass
1**	1399.000	28.16	-15.99	54.0	25.84	AV	329.00	150	Vertical	Pass
2	2435.500	105.75	-12.31	74.0	-31.75	Peak	1.00	150	Vertical	N/A
2**	2435.500	97.73	-12.31	54.0	-43.73	AV	1.00	150	Vertical	N/A
3	3401.000	47.07	-5.63	74.0	26.93	Peak	88.00	150	Vertical	Pass
3**	3401.000	36.66	-5.63	54.0	17.34	AV	88.00	150	Vertical	Pass
4	4877.000	50.06	-2.25	74.0	23.94	Peak	228.00	150	Vertical	Pass
4**	4877.000	43.16	-2.25	54.0	10.84	AV	228.00	150	Vertical	Pass
5	7306.000	54.86	0.50	74.0	19.14	Peak	20.00	150	Vertical	Pass
5**	7306.000	46.59	0.50	54.0	7.41	AV	20.00	150	Vertical	Pass
6	14365.000	50.17	-1.47	74.0	23.83	Peak	90.00	150	Vertical	Pass
6**	14365.000	39.26	-1.47	54.0	14.74	AV	90.00	150	Vertical	Pass

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

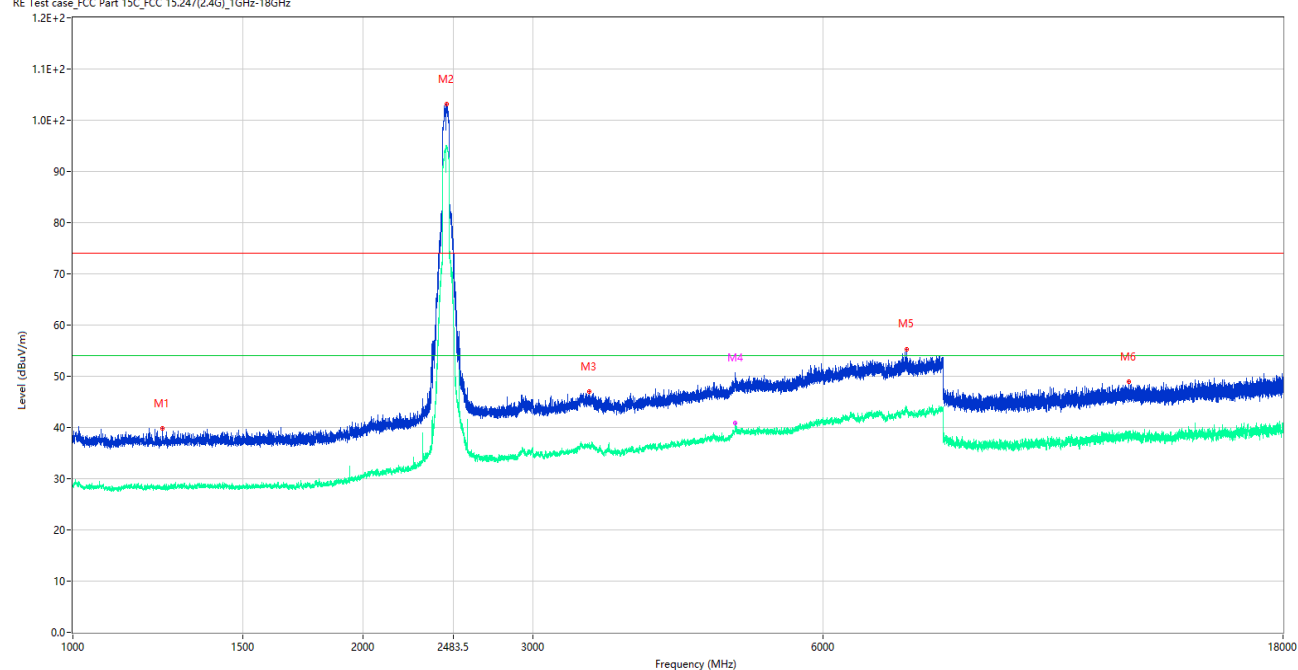
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1422.500	39.78	-15.94	74.0	34.22	Peak	60.00	150	Horizontal	Pass
1**	1422.500	28.41	-15.94	54.0	25.59	AV	60.00	150	Horizontal	Pass
2	2441.000	104.20	-12.39	74.0	-30.20	Peak	133.00	150	Horizontal	N/A
2**	2441.000	96.03	-12.39	54.0	-42.03	AV	133.00	150	Horizontal	N/A
3	3402.000	46.86	-5.58	74.0	27.14	Peak	200.00	150	Horizontal	Pass
3**	3402.000	36.24	-5.58	54.0	17.76	AV	200.00	150	Horizontal	Pass
4	4870.500	49.21	-2.16	74.0	24.79	Peak	151.00	150	Horizontal	Pass
4**	4870.500	42.58	-2.16	54.0	11.42	AV	151.00	150	Horizontal	Pass
5	7313.500	51.88	0.67	74.0	22.12	Peak	101.00	150	Horizontal	Pass
5**	7313.500	44.26	0.67	54.0	9.74	AV	101.00	150	Horizontal	Pass
6	13092.500	49.31	-1.66	74.0	24.69	Peak	154.00	150	Horizontal	Pass
6**	13092.500	38.57	-1.66	54.0	15.43	AV	154.00	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	1238.500	39.82	-16.01	74.0	34.18	Peak	144.00	150	Vertical	Pass
1**	1238.500	28.20	-16.01	54.0	25.80	AV	144.00	150	Vertical	Pass
2	2441.250	103.11	-12.40	74.0	-29.11	Peak	5.00	150	Vertical	N/A
2**	2441.250	94.92	-12.40	54.0	-40.92	AV	5.00	150	Vertical	N/A
3	3430.500	46.95	-5.02	74.0	27.05	Peak	0.00	150	Vertical	Pass
3**	3430.500	36.68	-5.02	54.0	17.32	AV	0.00	150	Vertical	Pass
4	4867.000	48.02	-2.11	74.0	25.98	Peak	100.00	150	Vertical	Pass
4**	4867.000	40.95	-2.11	54.0	13.05	AV	100.00	150	Vertical	Pass
5	7320.000	55.27	0.73	74.0	18.73	Peak	90.00	150	Vertical	Pass
5**	7320.000	43.08	0.73	54.0	10.92	AV	90.00	150	Vertical	Pass
6	12462.000	48.86	-2.27	74.0	25.14	Peak	118.00	150	Vertical	Pass
6**	12462.000	38.98	-2.27	54.0	15.02	AV	118.00	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.

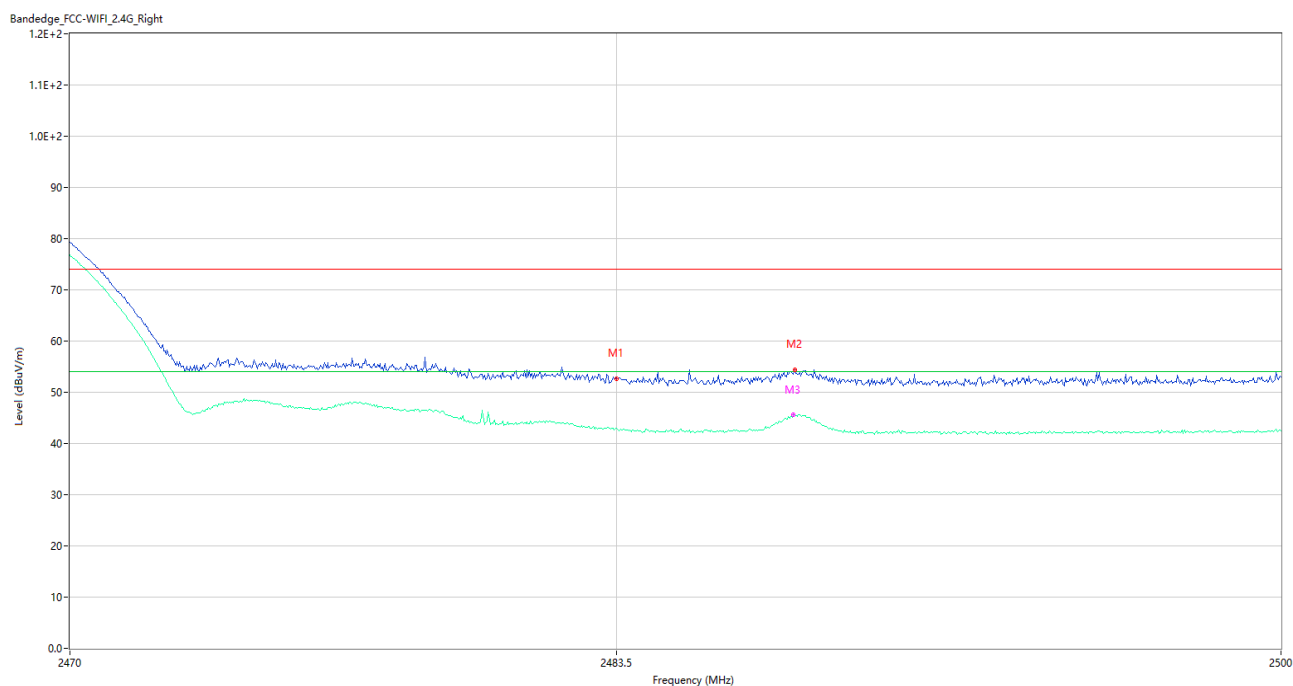
Test Data and Plots

802.11b LOW CHANNEL



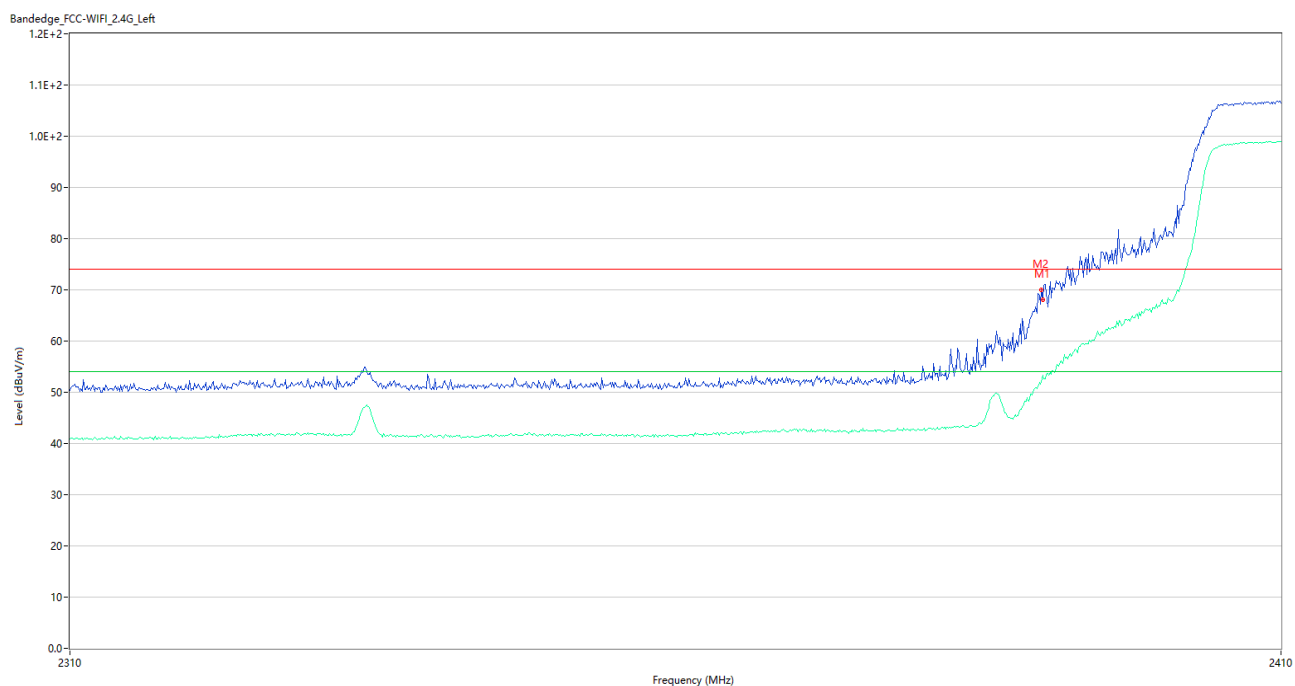
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.01	-4.87	74.0	22.99	Peak	74.10	150	Horizontal	Pass
1**	2390.000	41.24	-4.87	54.0	12.76	AV	74.10	150	Horizontal	Pass
2	2359.200	53.21	-5.06	74.0	20.79	Peak	131.00	150	Horizontal	Pass
2**	2359.200	40.67	-5.06	54.0	13.33	AV	131.00	150	Horizontal	Pass
3	2386.000	52.14	-4.64	74.0	21.86	Peak	149.00	150	Horizontal	Pass
3**	2386.000	43.84	-4.64	54.0	10.16	AV	149.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



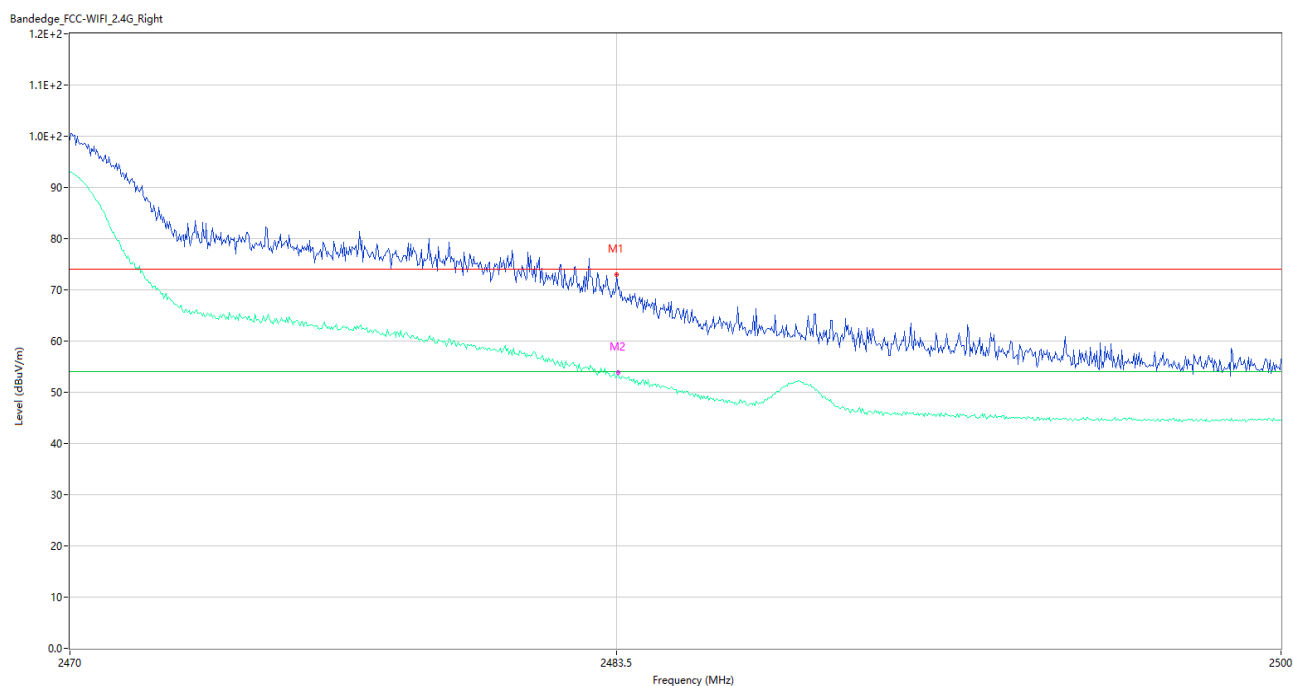
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.67	-3.78	74.0	21.33	Peak	360.00	150	Vertical	Pass
1**	2483.500	42.96	-3.78	54.0	11.04	AV	360.00	150	Vertical	Pass
2	2487.910	54.30	-3.81	74.0	19.70	Peak	8.00	150	Vertical	Pass
2**	2487.910	45.41	-3.81	54.0	8.59	AV	8.00	150	Vertical	Pass
3	2487.880	53.50	-3.81	74.0	20.50	Peak	16.00	150	Vertical	Pass
3**	2487.880	45.55	-3.81	54.0	8.45	AV	16.00	150	Vertical	Pass

802.11g LOW CHANNEL



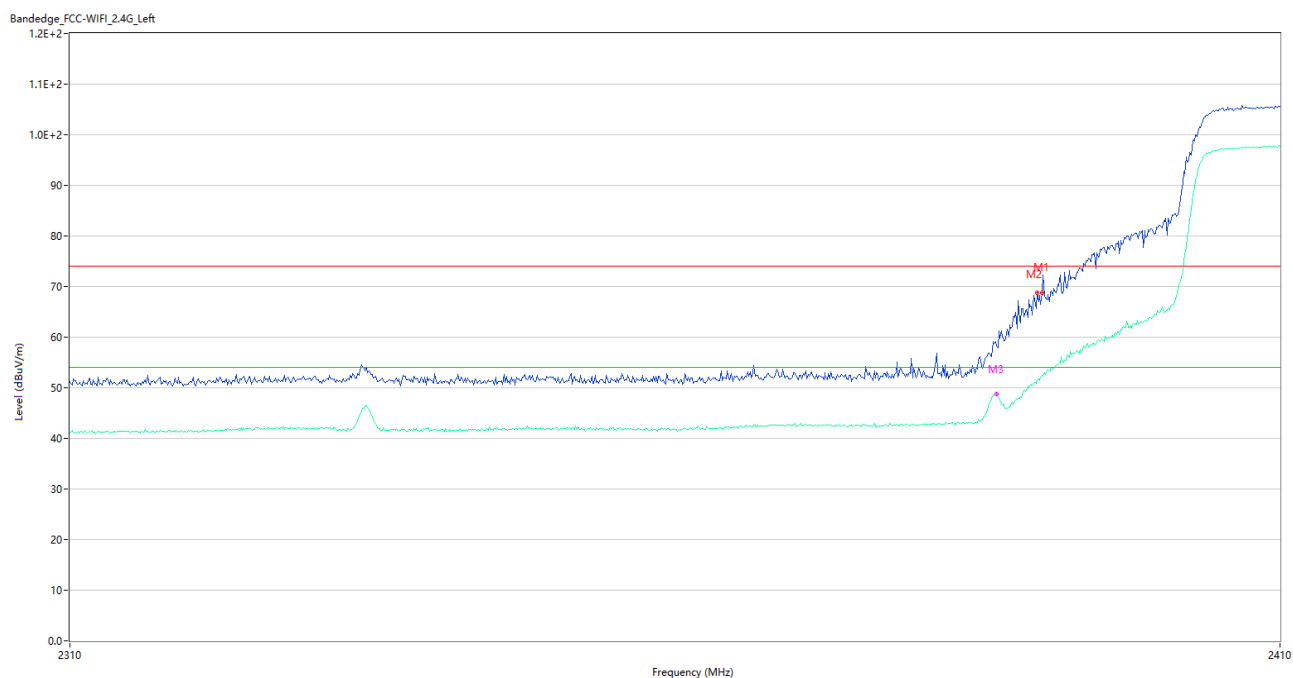
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	68.11	-4.87	74.0	5.89	Peak	139.99	150	Horizontal	Pass
1**	2390.000	53.26	-4.87	54.0	0.74	AV	139.99	150	Horizontal	Pass
2	2389.900	70.00	-4.87	74.0	4.00	Peak	136.00	150	Horizontal	Pass
2**	2389.900	52.03	-4.87	54.0	1.97	AV	136.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



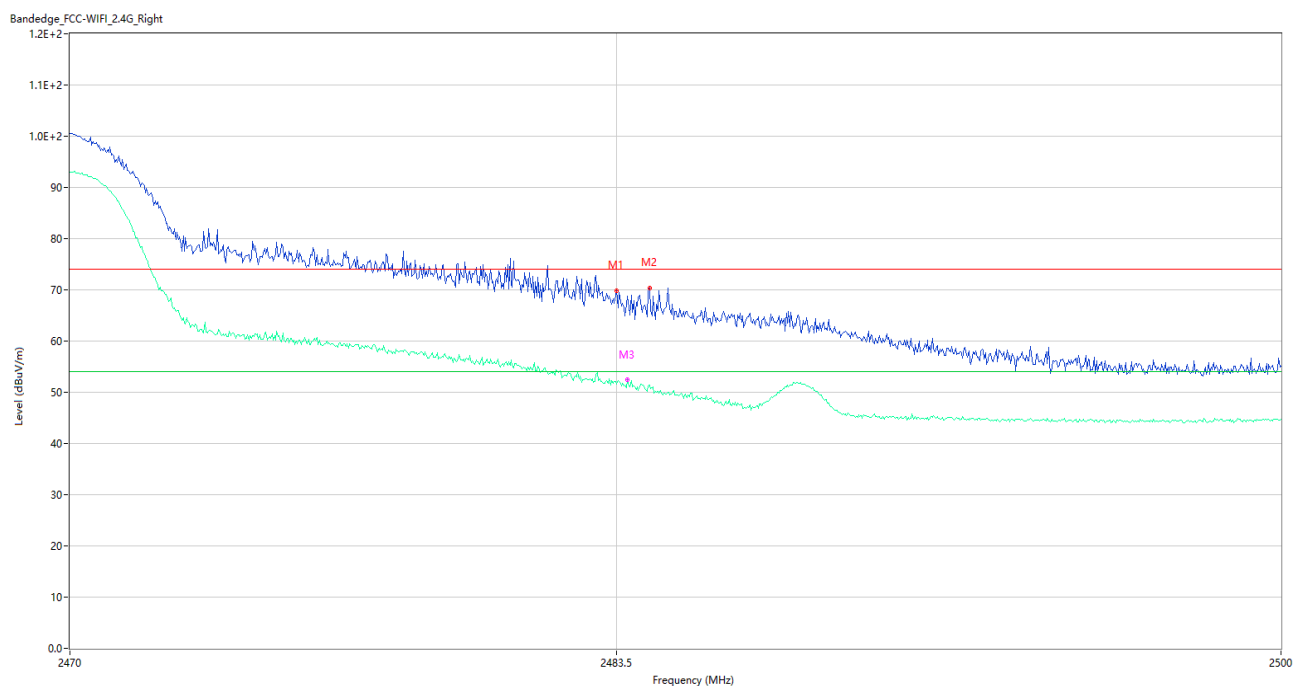
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	72.99	-3.78	74.0	1.01	Peak	8.00	150	Vertical	Pass
1**	2483.500	53.01	-3.78	54.0	0.99	AV	8.00	150	Vertical	Pass
2	2483.530	70.23	-3.78	74.0	3.77	Peak	9.00	150	Vertical	Pass
2**	2483.530	53.88	-3.78	54.0	0.12	AV	9.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



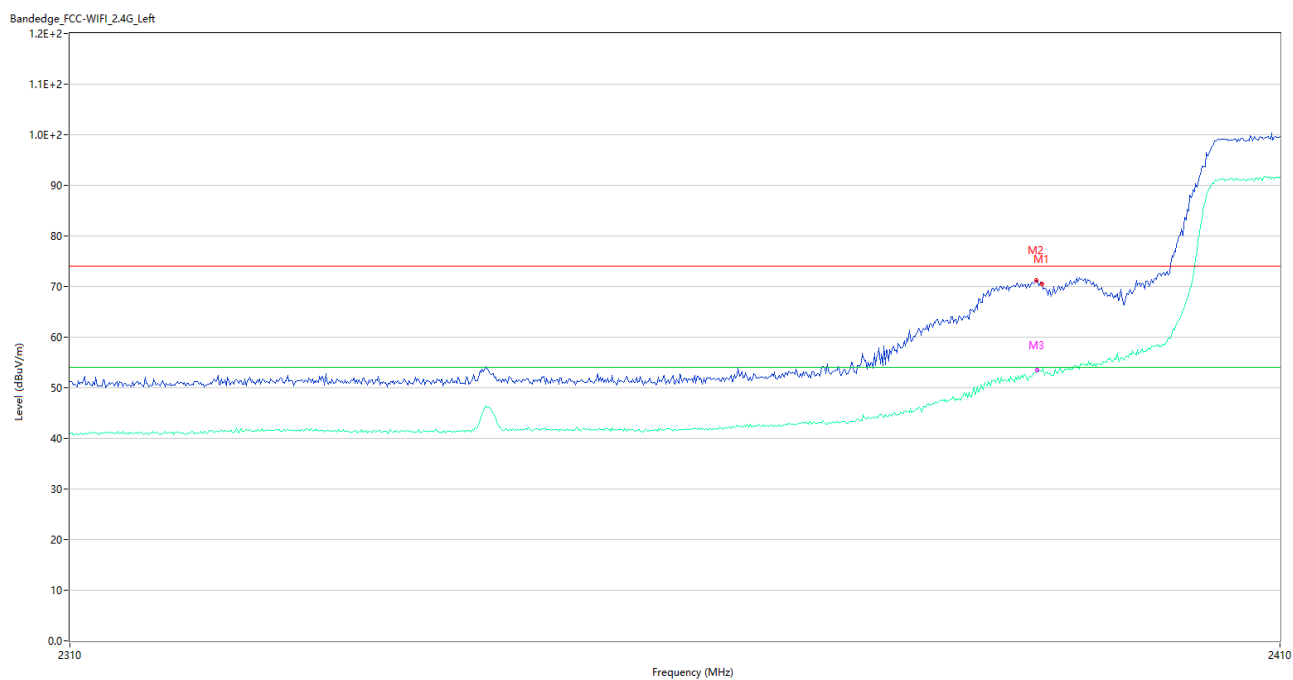
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	68.84	-4.87	74.0	5.16	Peak	123.02	150	Horizontal	Pass
1**	2390.000	52.39	-4.87	54.0	1.61	AV	123.02	150	Horizontal	Pass
2	2389.600	68.76	-4.85	74.0	5.24	Peak	127.00	150	Horizontal	Pass
2**	2389.600	51.56	-4.85	54.0	2.44	AV	127.00	150	Horizontal	Pass
3	2386.200	58.23	-4.65	74.0	15.77	Peak	154.00	150	Horizontal	Pass
3**	2386.200	48.73	-4.65	54.0	5.27	AV	154.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



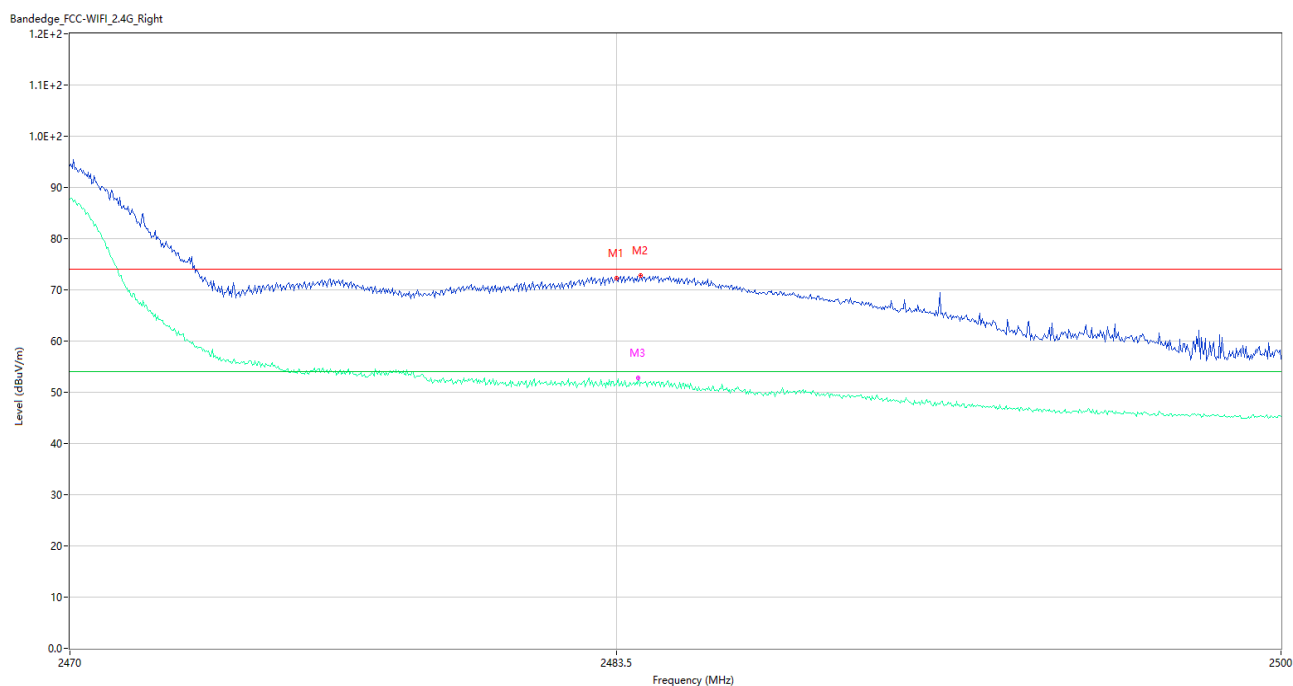
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	69.84	-3.78	74.0	4.16	Peak	7.00	150	Vertical	Pass
1**	2483.500	51.52	-3.78	54.0	2.48	AV	7.00	150	Vertical	Pass
2	2484.310	70.28	-3.78	74.0	3.72	Peak	0.00	150	Vertical	Pass
2**	2484.310	51.47	-3.78	54.0	2.53	AV	0.00	150	Vertical	Pass
3	2483.770	68.84	-3.78	74.0	5.16	Peak	349.00	150	Vertical	Pass
3**	2483.770	52.44	-3.78	54.0	1.56	AV	349.00	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	70.51	-4.87	74.0	3.49	Peak	133.00	150	Horizontal	Pass
1**	2390.000	53.38	-4.87	54.0	0.62	AV	133.00	150	Horizontal	Pass
2	2389.500	71.28	-4.85	74.0	2.72	Peak	136.00	150	Horizontal	Pass
2**	2389.500	53.01	-4.85	54.0	0.99	AV	136.00	150	Horizontal	Pass
3	2389.600	71.14	-4.85	74.0	2.86	Peak	133.00	150	Horizontal	Pass
3**	2389.600	53.53	-4.85	54.0	0.47	AV	133.00	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	72.30	-3.78	74.0	1.70	Peak	174.00	150	Horizontal	Pass
1**	2483.500	51.66	-3.78	54.0	2.34	AV	174.00	150	Horizontal	Pass
2	2484.100	72.72	-3.78	74.0	1.28	Peak	174.00	150	Horizontal	Pass
2**	2484.100	51.98	-3.78	54.0	2.02	AV	174.00	150	Horizontal	Pass
3	2484.040	71.50	-3.78	74.0	2.50	Peak	96.00	150	Horizontal	Pass
3**	2484.040	52.80	-3.78	54.0	1.20	AV	96.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.02	8
Middle	-8.60	8
High	-8.03	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.48	8
Middle	-8.53	8
High	-9.17	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.25	8
Middle	-8.22	8
High	-11.55	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.84	8
Middle	-12.99	8
High	-14.91	8

Test Plots

802.11b LOW CHANNEL



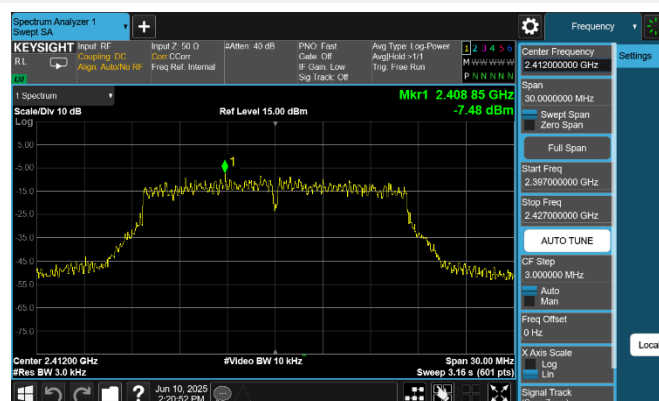
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



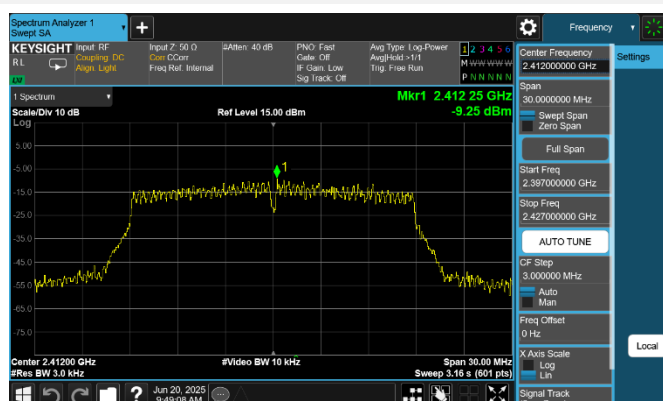
802.11g MIDDLE CHANNEL



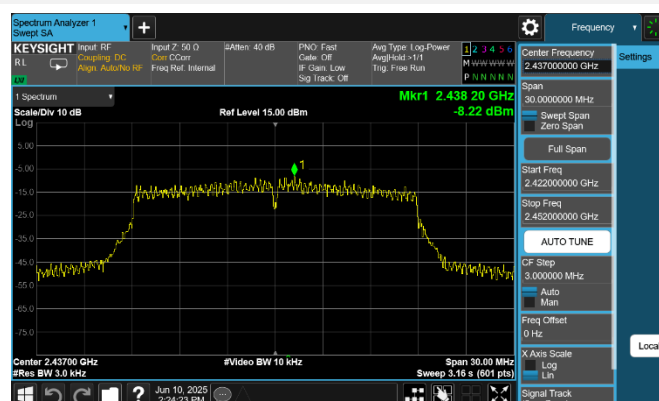
802.11g HIGH CHANNEL



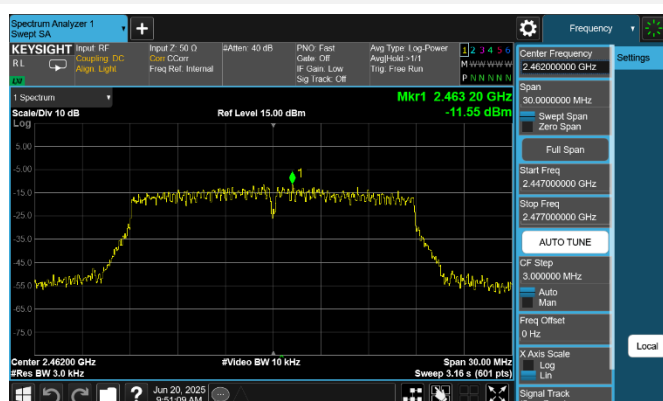
802.11n-20 MHz LOW CHANNEL



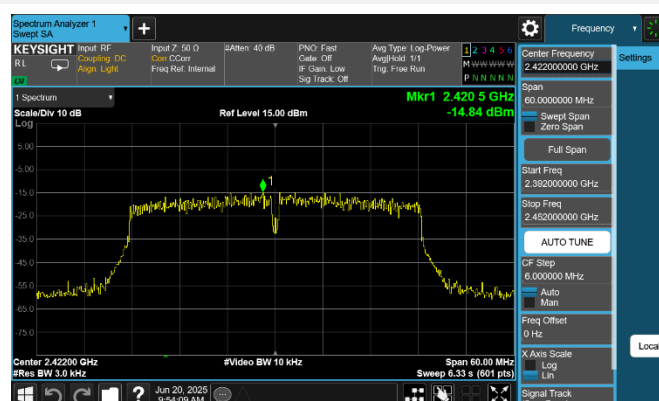
802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



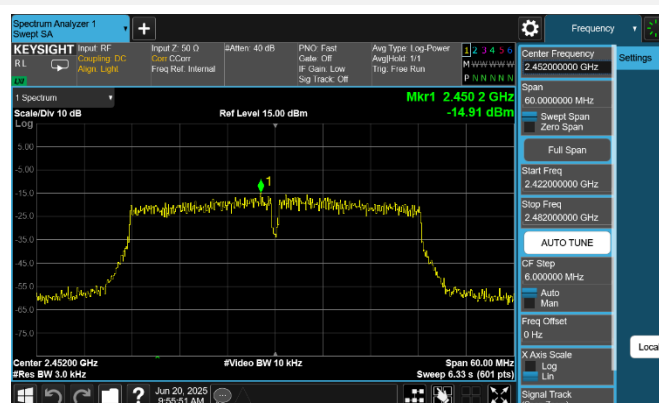
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2550515-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2550515-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2550515-AI.PDF”.

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--END OF REPORT--