

A.3 Conducted Spurious Emission

Note 1: All antenna were tested, but only the worst case has been reported in this report.

Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.06	4.19	-15.81	Pass
Middle	-45.12	4.68	-15.32	Pass
High	-44.53	4.90	-15.10	Pass

802.11g Mode:

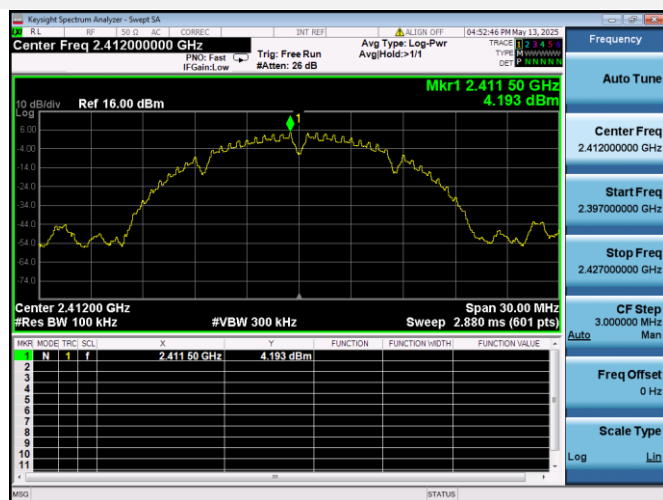
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-45.43	1.72	-18.28	Pass
Middle	-45.40	2.12	-17.88	Pass
High	-44.10	2.10	-17.90	Pass

802.11n-20MHz Mode:

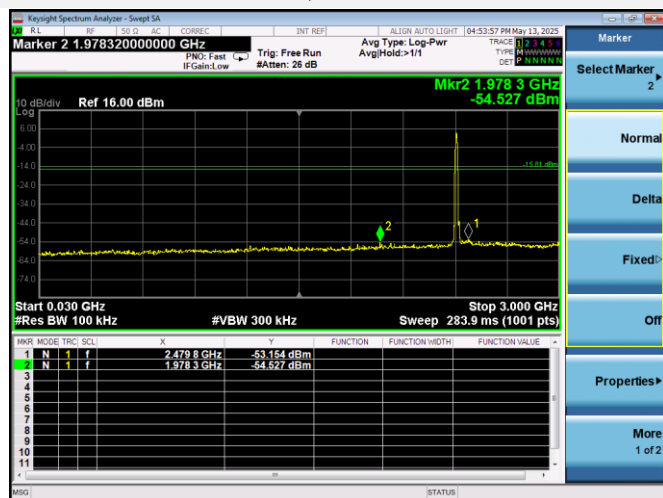
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-45.44	1.73	-18.27	Pass
Middle	-44.48	2.05	-17.95	Pass
High	-43.85	2.19	-17.81	Pass

Test Plots

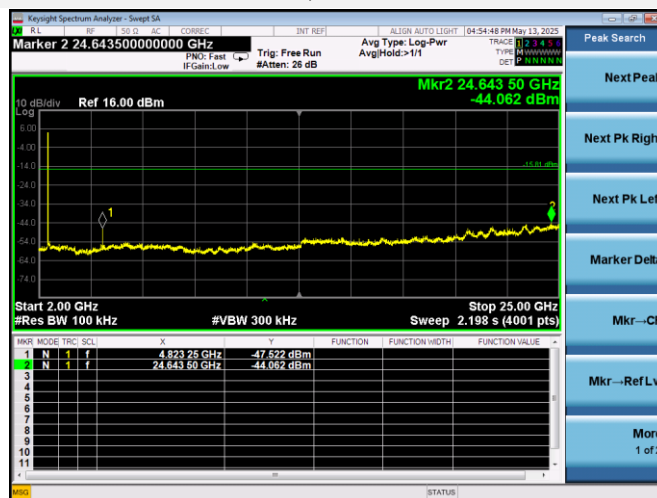
802.11b LOW CHANNEL CARRIER LEVEL



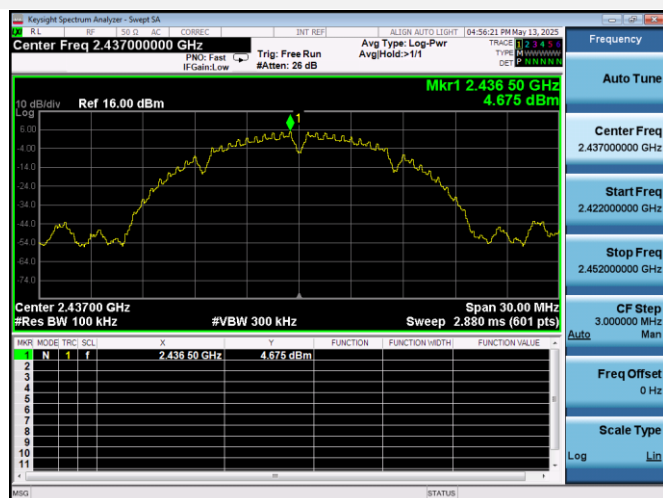
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



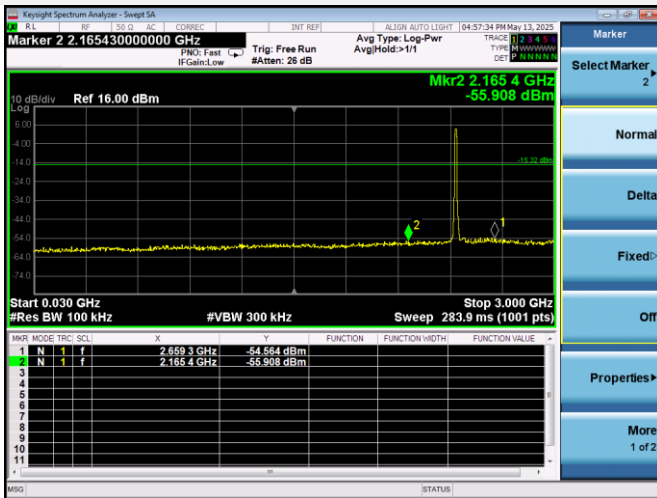
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



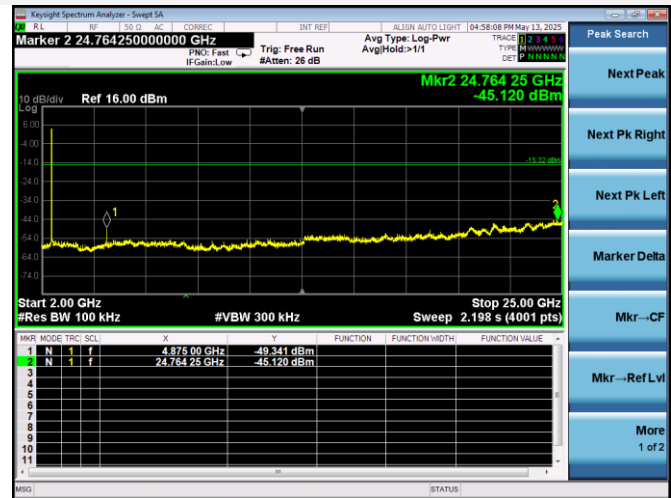
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



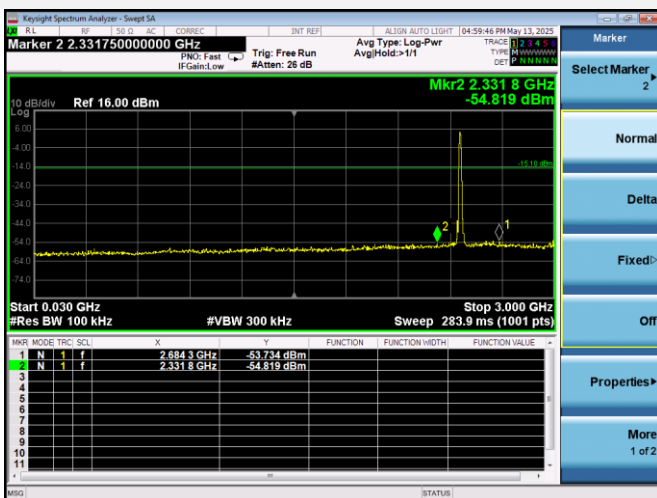
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



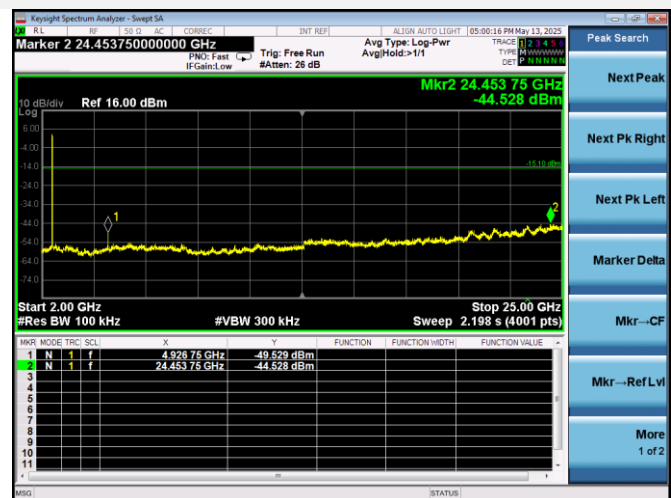
802.11b HIGH CHANNEL CARRIER LEVEL



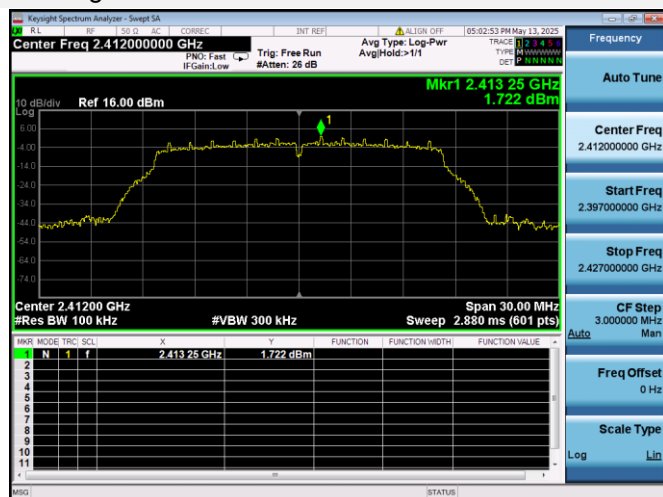
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



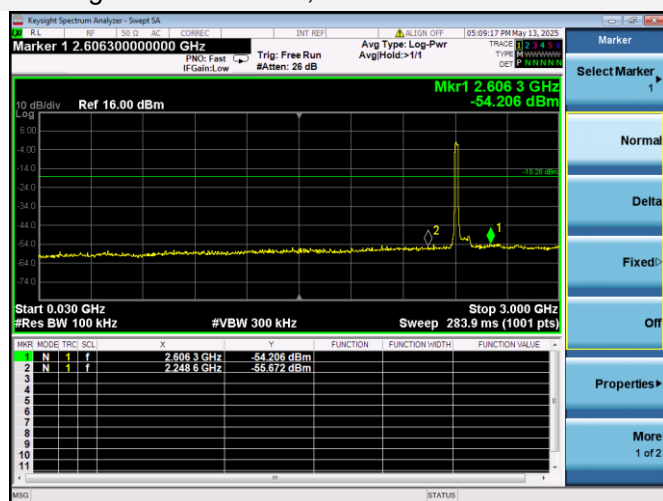
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



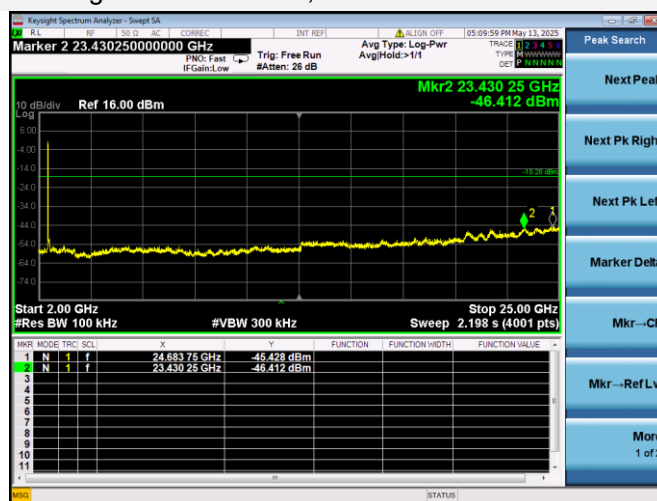
802.11g LOW CHANNEL CARRIER LEVEL



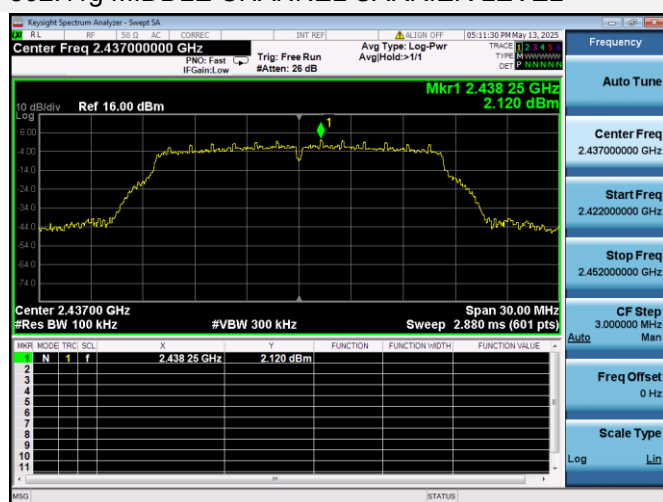
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



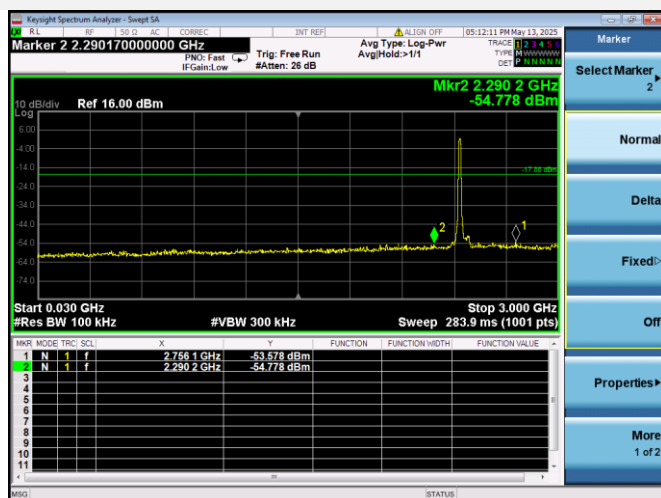
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



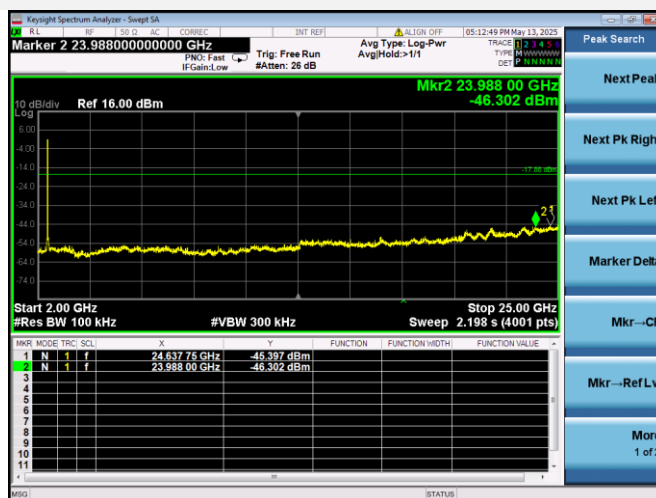
802.11g MIDDLE CHANNEL CARRIER LEVEL



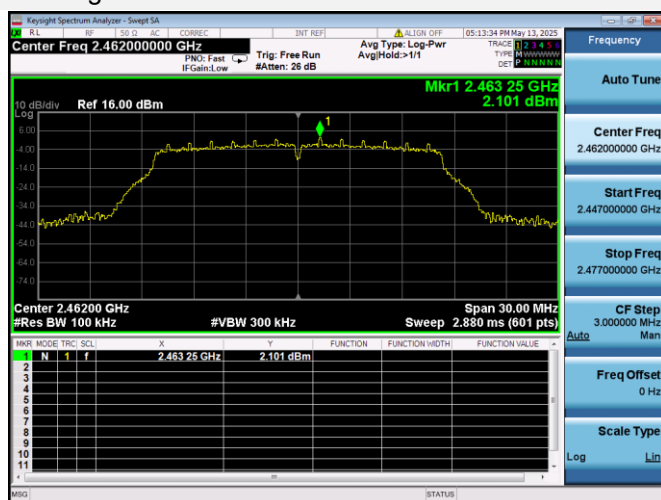
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



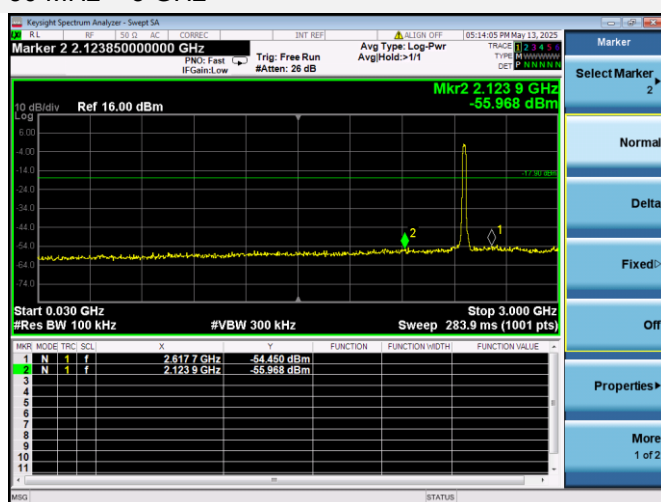
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



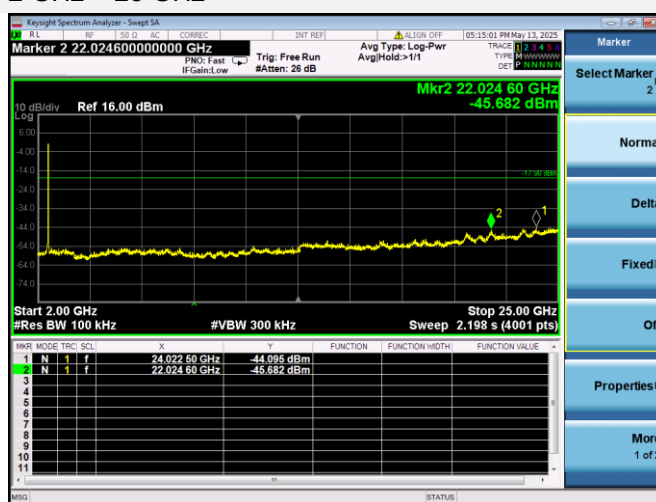
802.11g HIGH CHANNEL CARRIER LEVEL



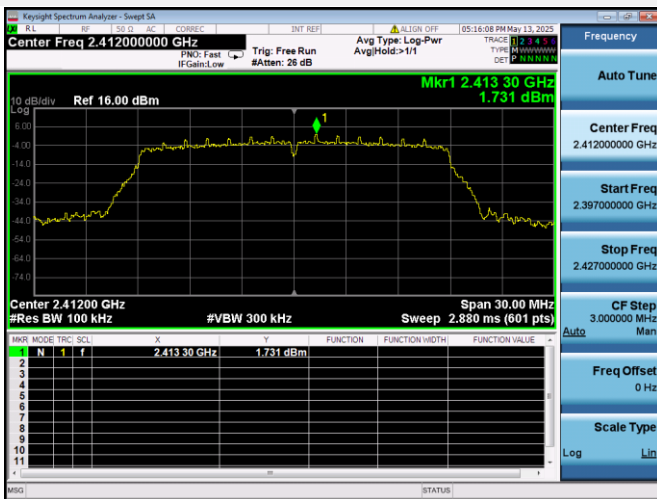
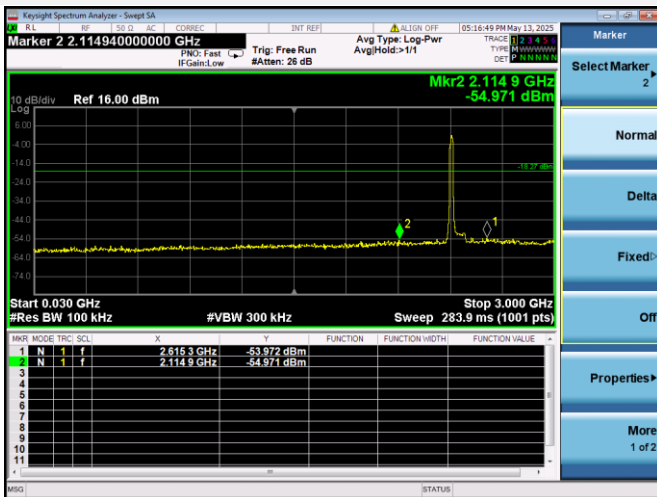
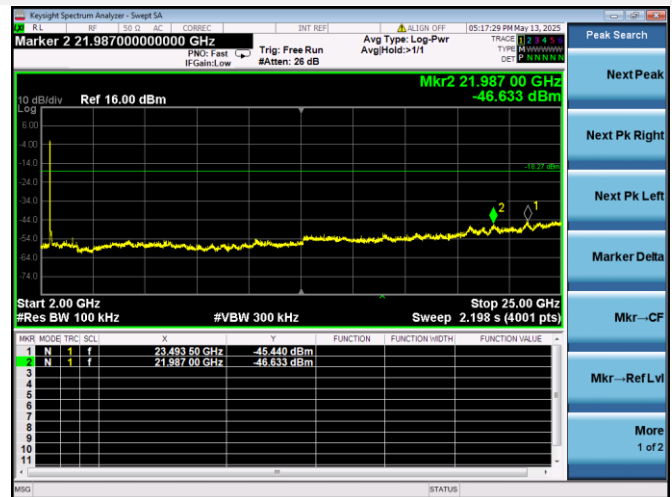
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



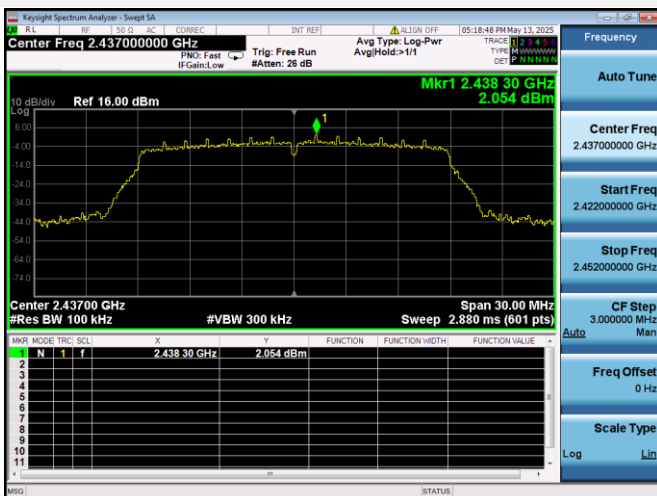
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



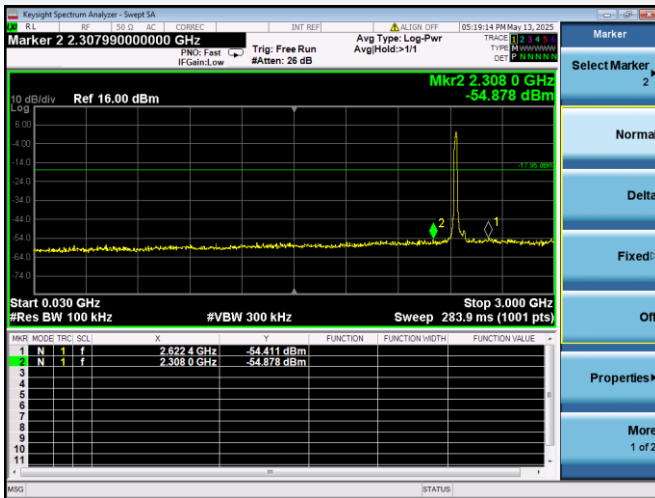
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

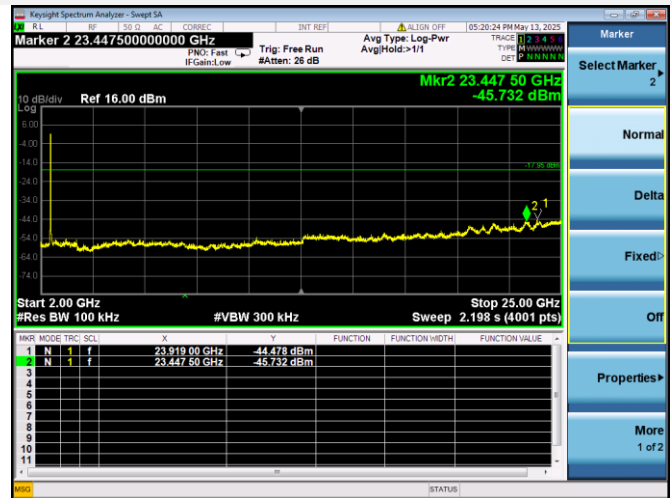
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



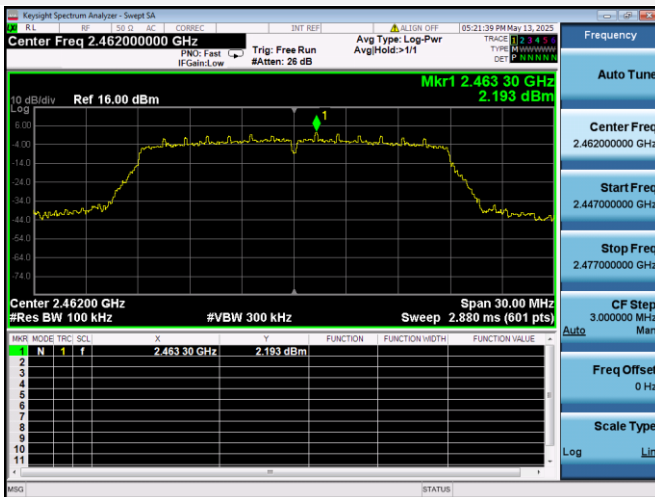
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



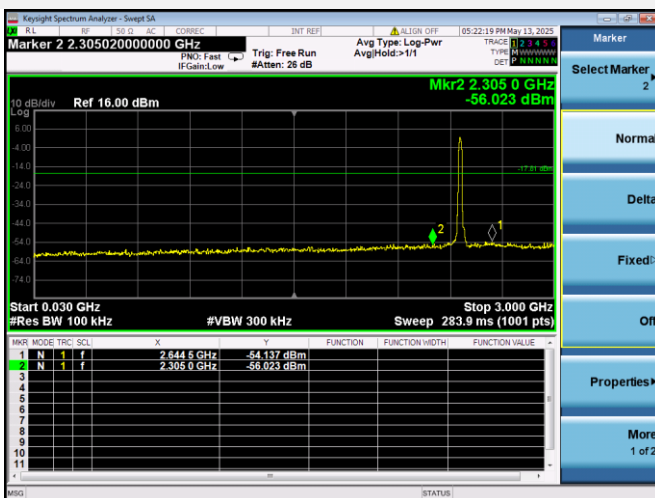
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



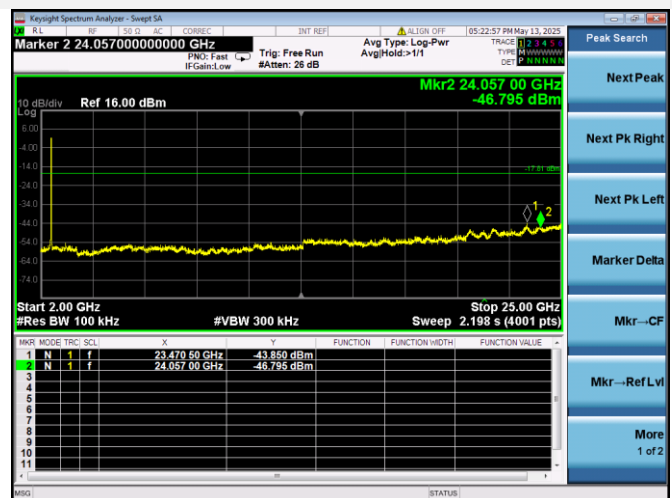
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



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



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



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	-43.88	4.19	-15.81	Pass
High	-53.50	4.90	-15.10	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-40.17	1.72	-18.28	Pass
High	-47.95	2.10	-17.90	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.55	1.73	-18.27	Pass
High	-46.69	2.19	-17.81	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



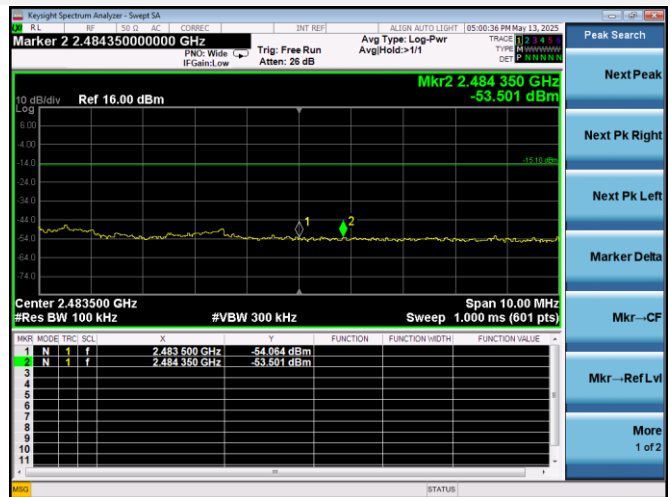
802.11b LOW CHANNEL, BAND EDGE



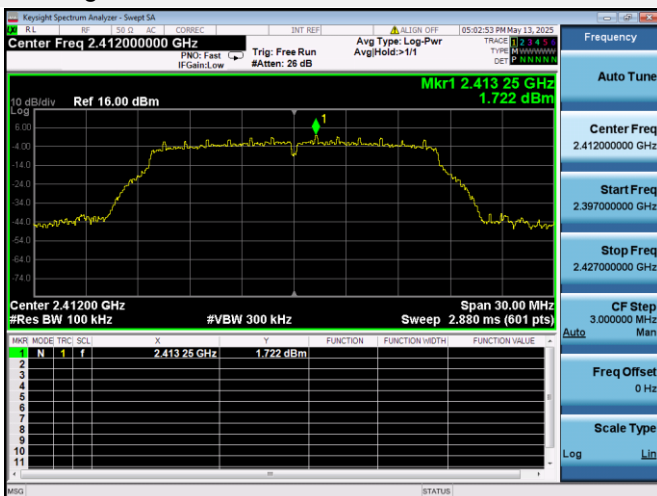
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



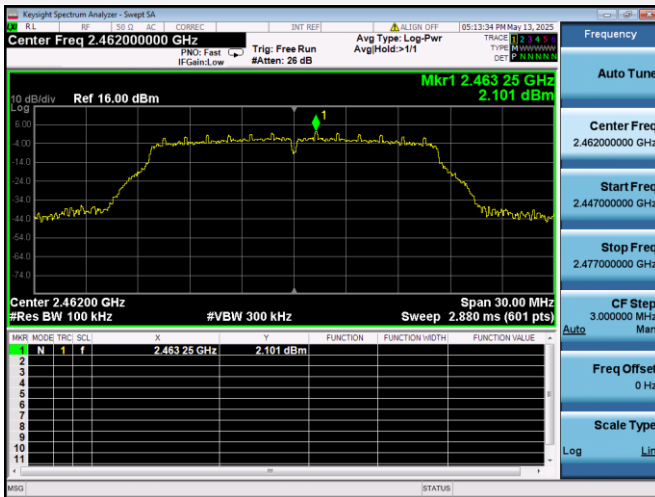
802.11g LOW CHANNEL, CARRIER LEVEL



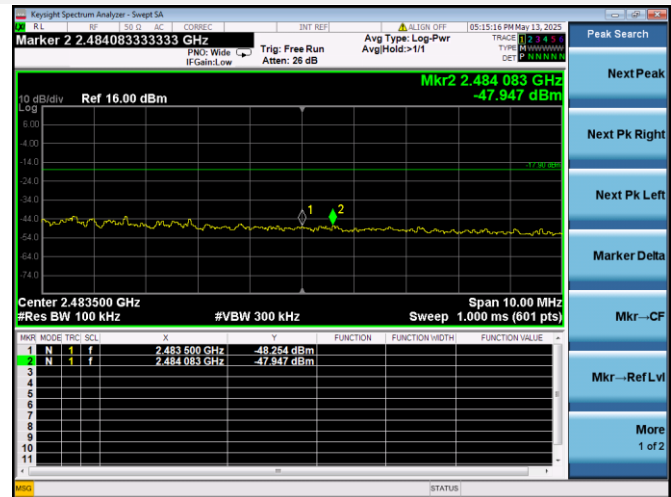
802.11g LOW CHANNEL, BAND EDGE



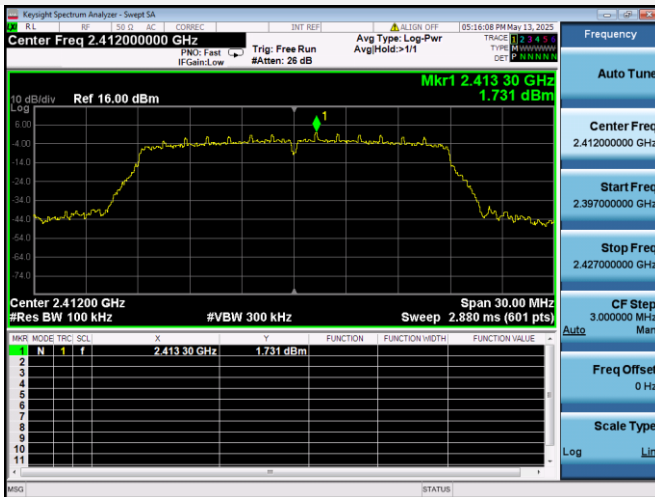
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



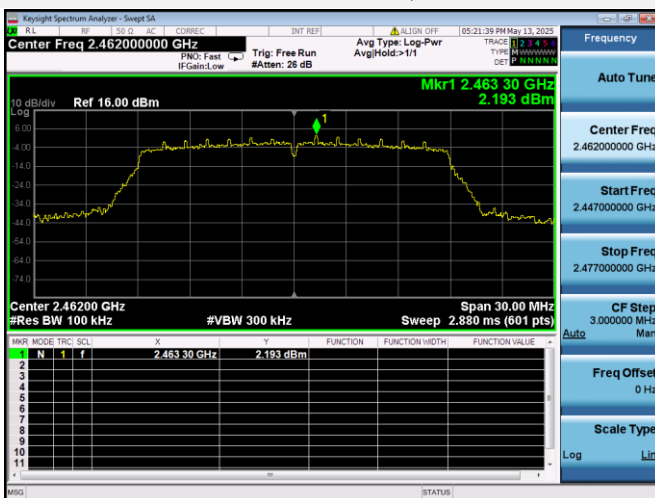
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



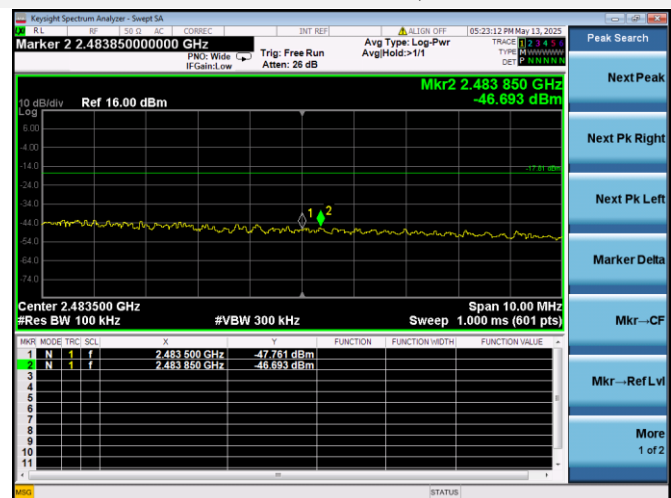
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



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.

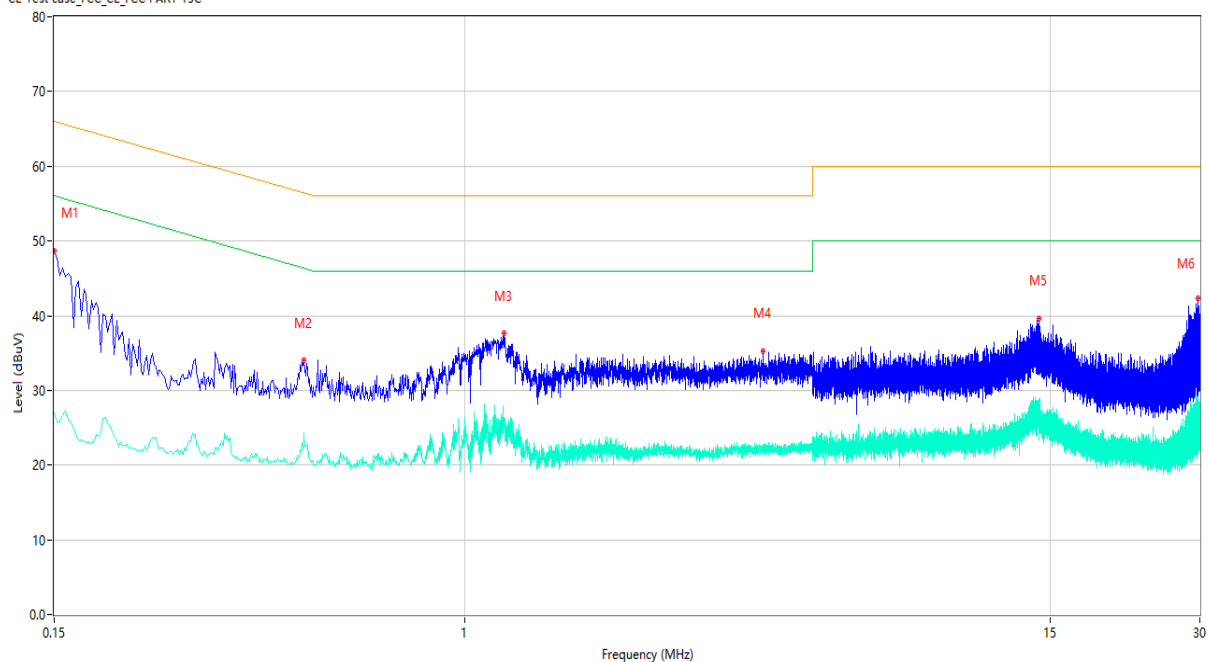
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

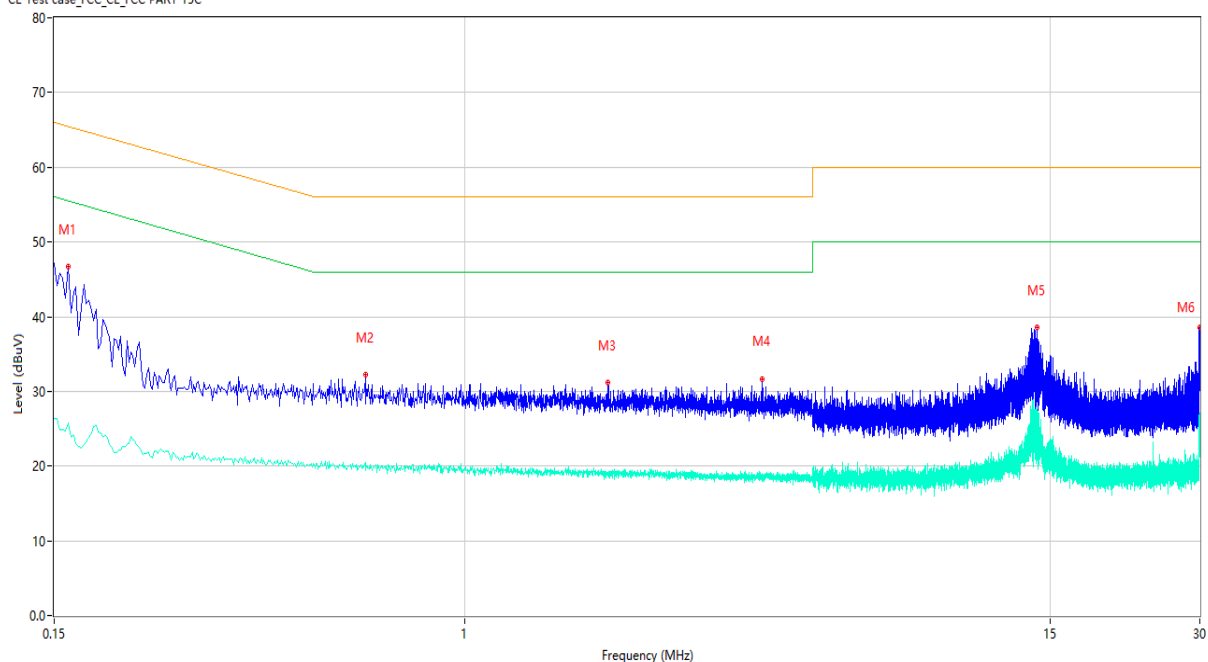
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.150	48.66	9.83	66.00	17.34	Peak	L	Pass
1**	0.150	27.01	9.83	56.00	28.99	AV	L	Pass
2	0.476	34.00	9.77	56.41	22.41	Peak	L	Pass
2**	0.476	24.28	9.77	46.41	22.13	AV	L	Pass
3	1.200	37.61	9.76	56.00	18.39	Peak	L	Pass
3**	1.200	25.12	9.76	46.00	20.88	AV	L	Pass
4	3.976	35.33	9.62	56.00	20.67	Peak	L	Pass
4**	3.976	21.51	9.62	46.00	24.49	AV	L	Pass
5	14.258	39.69	8.96	60.00	20.31	Peak	L	Pass
5**	14.258	28.79	8.96	50.00	21.21	AV	L	Pass
6	29.780	42.28	8.44	60.00	17.72	Peak	L	Pass
6**	29.780	28.94	8.44	50.00	21.06	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	0.160	46.66	9.73	65.46	18.80	Peak	N	Pass
1**	0.160	25.76	9.73	55.46	29.70	AV	N	Pass
2	0.632	32.19	9.73	56.00	23.81	Peak	N	Pass
2**	0.632	20.46	9.73	46.00	25.54	AV	N	Pass
3	1.944	31.18	9.76	56.00	24.82	Peak	N	Pass
3**	1.944	18.72	9.76	46.00	27.28	AV	N	Pass
4	3.970	31.71	9.66	56.00	24.29	Peak	N	Pass
4**	3.970	18.95	9.66	46.00	27.05	AV	N	Pass
5	14.144	38.55	9.01	60.00	21.45	Peak	N	Pass
5**	14.144	27.21	9.01	50.00	22.79	AV	N	Pass
6	29.964	38.53	8.50	60.00	21.47	Peak	N	Pass
6**	29.964	25.35	8.50	50.00	24.65	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.

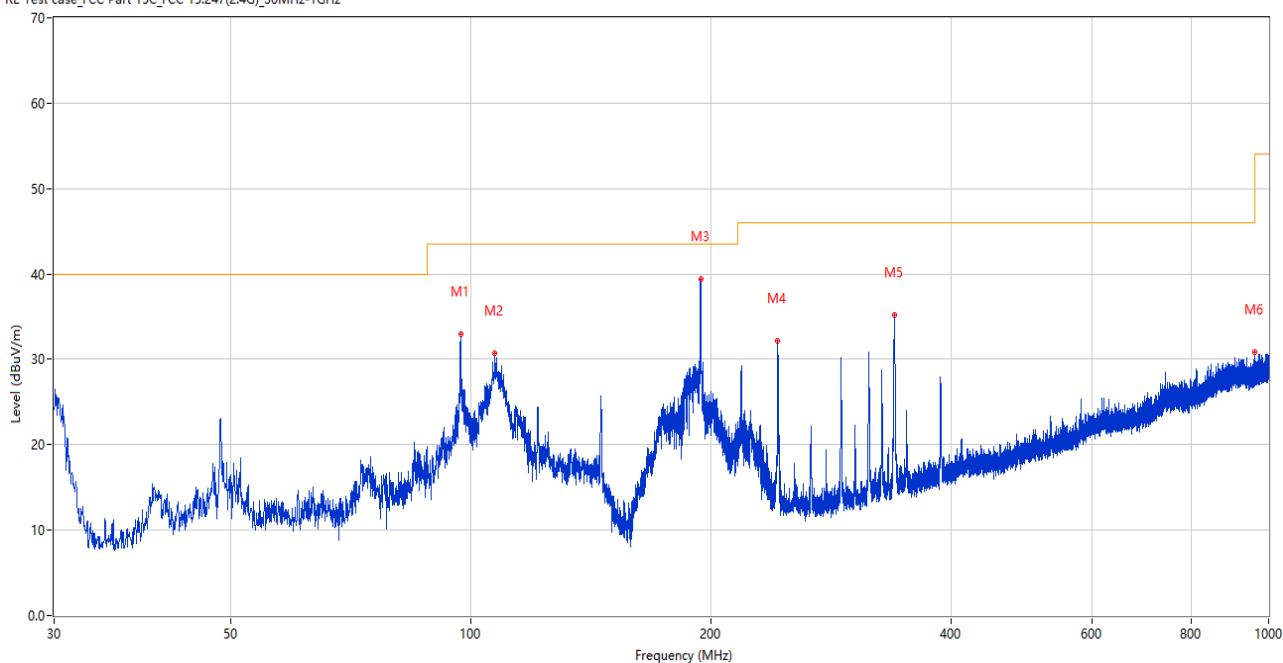
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

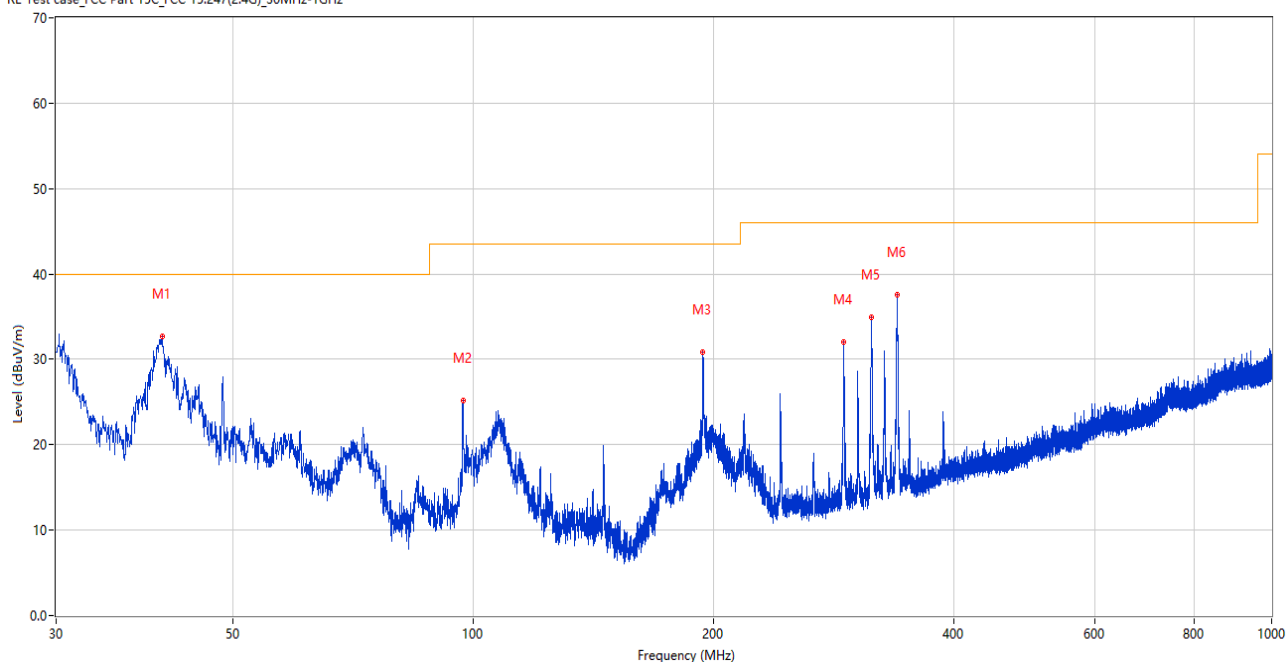
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	97.076	32.94	-26.35	43.5	10.56	Peak	277.00	200	Horizontal	Pass
2	107.115	30.78	-26.34	43.5	12.72	Peak	265.00	200	Horizontal	Pass
3	193.978	39.45	-25.70	43.5	4.05	Peak	70.00	100	Horizontal	Pass
4	242.430	32.13	-24.33	46.0	13.87	Peak	90.00	200	Horizontal	Pass
5	339.284	35.23	-21.98	46.0	10.77	Peak	300.00	100	Horizontal	Pass
6	961.879	30.89	-8.72	54.0	23.11	Peak	173.00	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	40.718	32.68	-25.69	40.0	7.32	Peak	105.00	100	Vertical	Pass
2	96.979	25.24	-26.36	43.5	18.26	Peak	318.00	100	Vertical	Pass
3	193.930	30.89	-25.71	43.5	12.61	Peak	344.00	200	Vertical	Pass
4	290.833	32.03	-23.17	46.0	13.97	Peak	78.00	100	Vertical	Pass
5	315.083	34.93	-22.98	46.0	11.07	Peak	78.00	100	Vertical	Pass
6	339.430	37.61	-21.96	46.0	8.39	Peak	90.00	100	Vertical	Pass

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

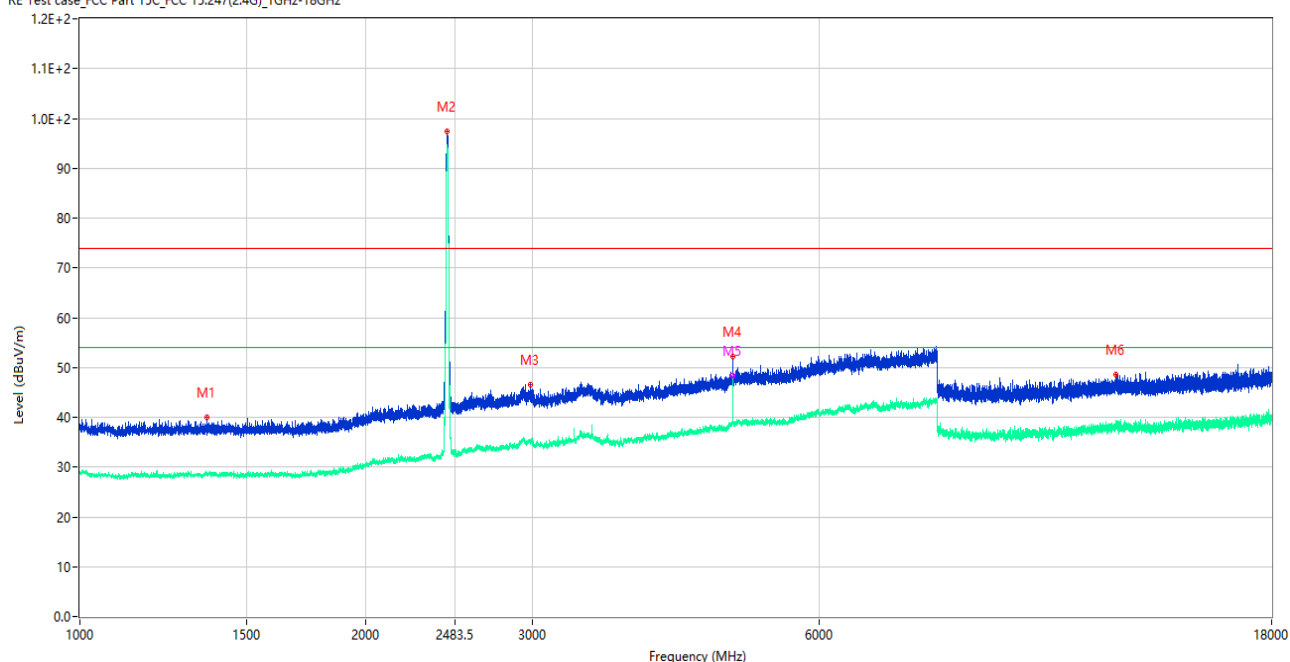
Note 2: The spurious above 18G is noise only, do not show on the report.

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

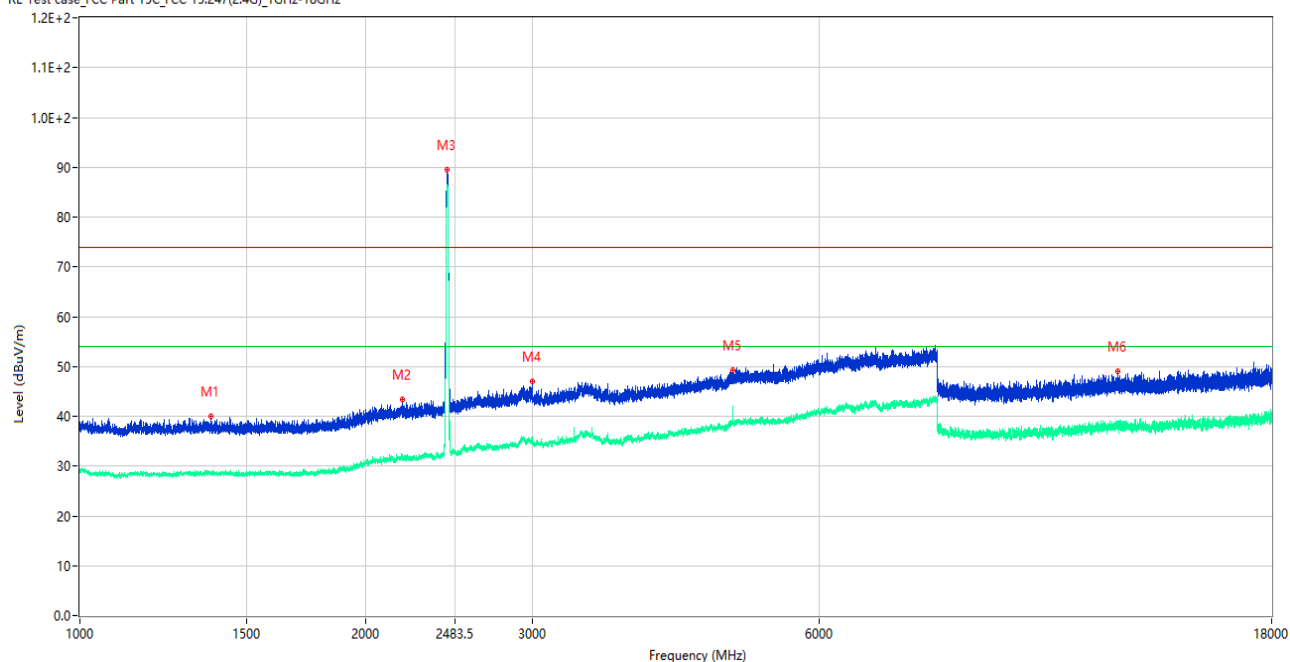
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1359.750	39.94	-15.87	74.0	34.06	Peak	140.00	150	Horizontal	Pass
1**	1359.750	28.69	-15.87	54.0	25.31	AV	140.00	150	Horizontal	Pass
2	2438.250	97.46	-12.38	74.0	-23.46	Peak	154.00	150	Horizontal	N/A
2**	2438.250	94.58	-12.38	54.0	-40.58	AV	154.00	150	Horizontal	N/A
3	2985.250	46.51	-9.36	74.0	27.49	Peak	357.00	150	Horizontal	Pass
3**	2985.250	35.00	-9.36	54.0	19.00	AV	357.00	150	Horizontal	Pass
4	4874.000	52.15	-2.23	74.0	21.85	Peak	170.00	150	Horizontal	Pass
4**	4874.000	46.31	-2.23	54.0	7.69	AV	170.00	150	Horizontal	Pass
5	4874.500	51.44	-2.25	74.0	22.56	Peak	170.00	150	Horizontal	Pass
5**	4874.500	48.26	-2.25	54.0	5.74	AV	170.00	150	Horizontal	Pass
6	12329.000	48.52	-2.10	74.0	25.48	Peak	329.00	150	Horizontal	Pass
6**	12329.000	38.59	-2.10	54.0	15.41	AV	329.00	150	Horizontal	Pass

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

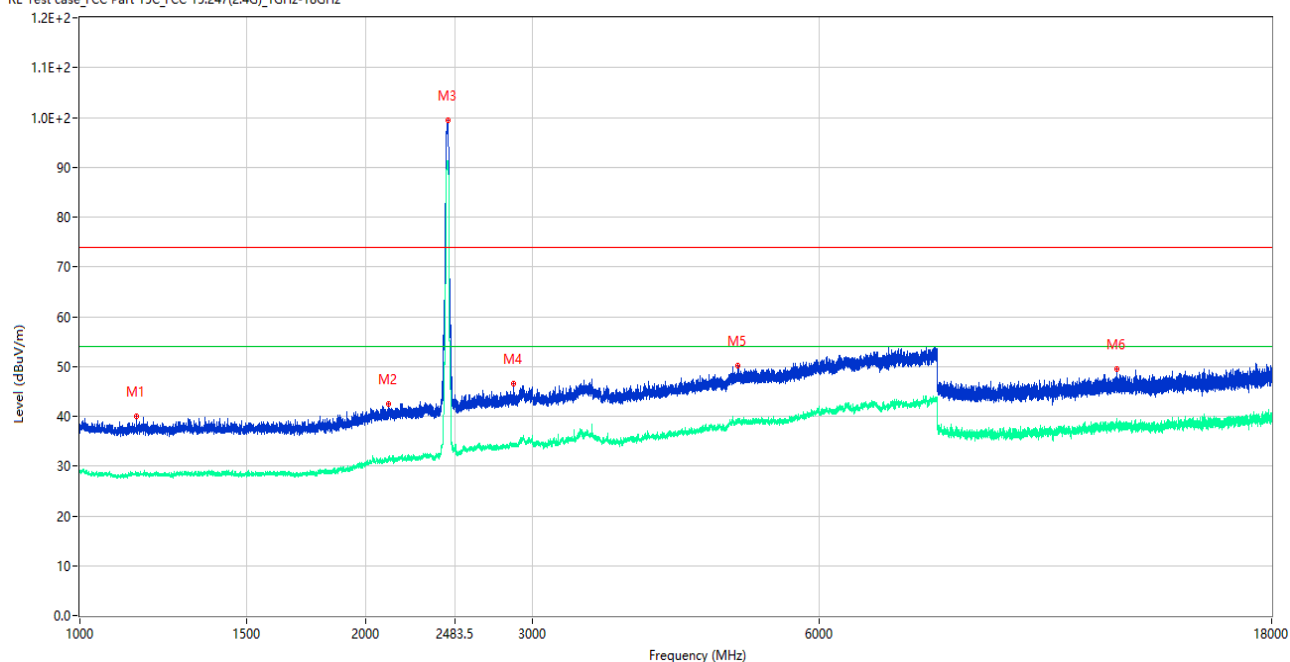
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.750	39.89	-16.00	74.0	34.11	Peak	1.00	150	Vertical	Pass
1**	1374.750	28.31	-16.00	54.0	25.69	AV	1.00	150	Vertical	Pass
2	2188.250	43.39	-13.29	74.0	30.61	Peak	147.00	150	Vertical	Pass
2**	2188.250	31.60	-13.29	54.0	22.40	AV	147.00	150	Vertical	Pass
3	2438.250	89.48	-12.38	74.0	-15.48	Peak	195.00	150	Vertical	N/A
3**	2438.250	86.58	-12.38	54.0	-32.58	AV	195.00	150	Vertical	N/A
4	3000.000	46.98	-8.74	74.0	27.02	Peak	335.00	150	Vertical	Pass
4**	3000.000	35.43	-8.74	54.0	18.57	AV	335.00	150	Vertical	Pass
5	4873.500	49.31	-2.23	74.0	24.69	Peak	289.00	150	Vertical	Pass
5**	4873.500	38.78	-2.23	54.0	15.22	AV	289.00	150	Vertical	Pass
6	12403.000	49.08	-2.39	74.0	24.92	Peak	117.00	150	Vertical	Pass
6**	12403.000	38.20	-2.39	54.0	15.80	AV	117.00	150	Vertical	Pass

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

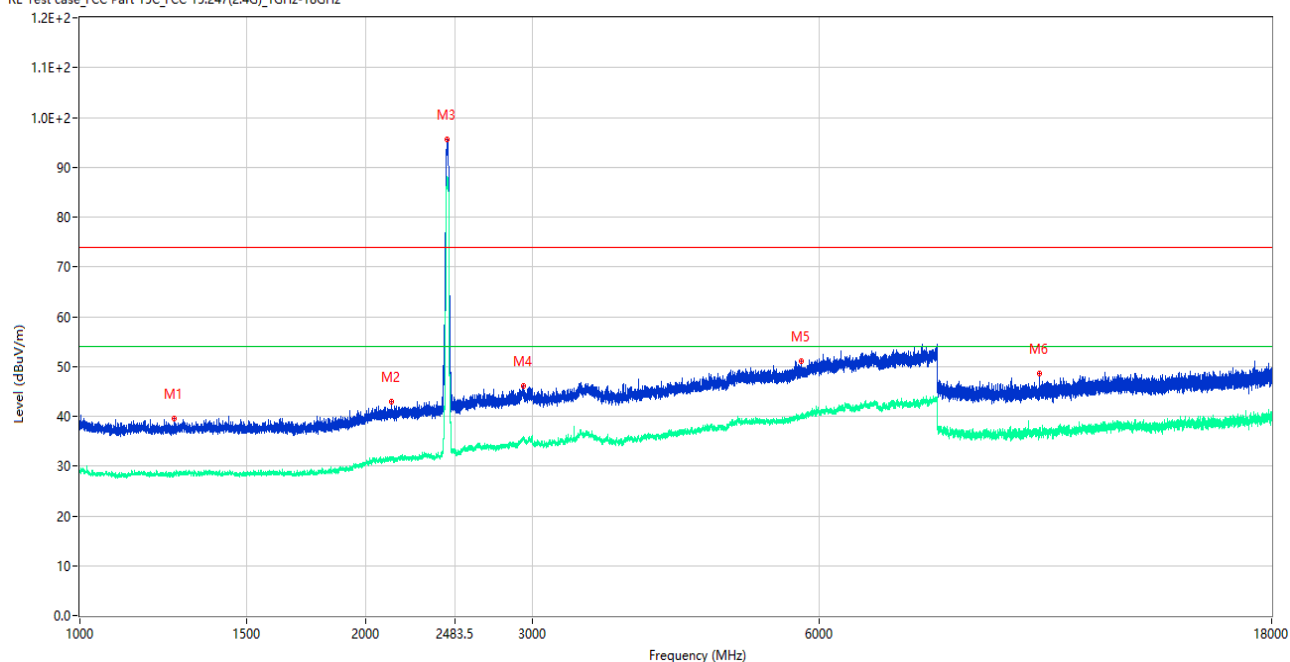
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1147.250	39.98	-15.67	74.0	34.02	Peak	196.00	150	Horizontal	Pass
1**	1147.250	28.70	-15.67	54.0	25.30	AV	196.00	150	Horizontal	Pass
2	2113.250	42.45	-13.58	74.0	31.55	Peak	360.00	150	Horizontal	Pass
2**	2113.250	31.46	-13.58	54.0	22.54	AV	360.00	150	Horizontal	Pass
3	2440.500	99.44	-12.38	74.0	-25.44	Peak	23.00	150	Horizontal	N/A
3**	2440.500	91.24	-12.38	54.0	-37.24	AV	23.00	150	Horizontal	N/A
4	2863.500	46.52	-9.66	74.0	27.48	Peak	360.00	150	Horizontal	Pass
4**	2863.500	34.14	-9.66	54.0	19.86	AV	360.00	150	Horizontal	Pass
5	4931.000	50.12	-2.13	74.0	23.88	Peak	0.00	150	Horizontal	Pass
5**	4931.000	39.48	-2.13	54.0	14.52	AV	0.00	150	Horizontal	Pass
6	12376.001	49.43	-2.23	74.0	24.57	Peak	236.00	150	Horizontal	Pass
6**	12376.001	38.52	-2.23	54.0	15.48	AV	236.00	150	Horizontal	Pass

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

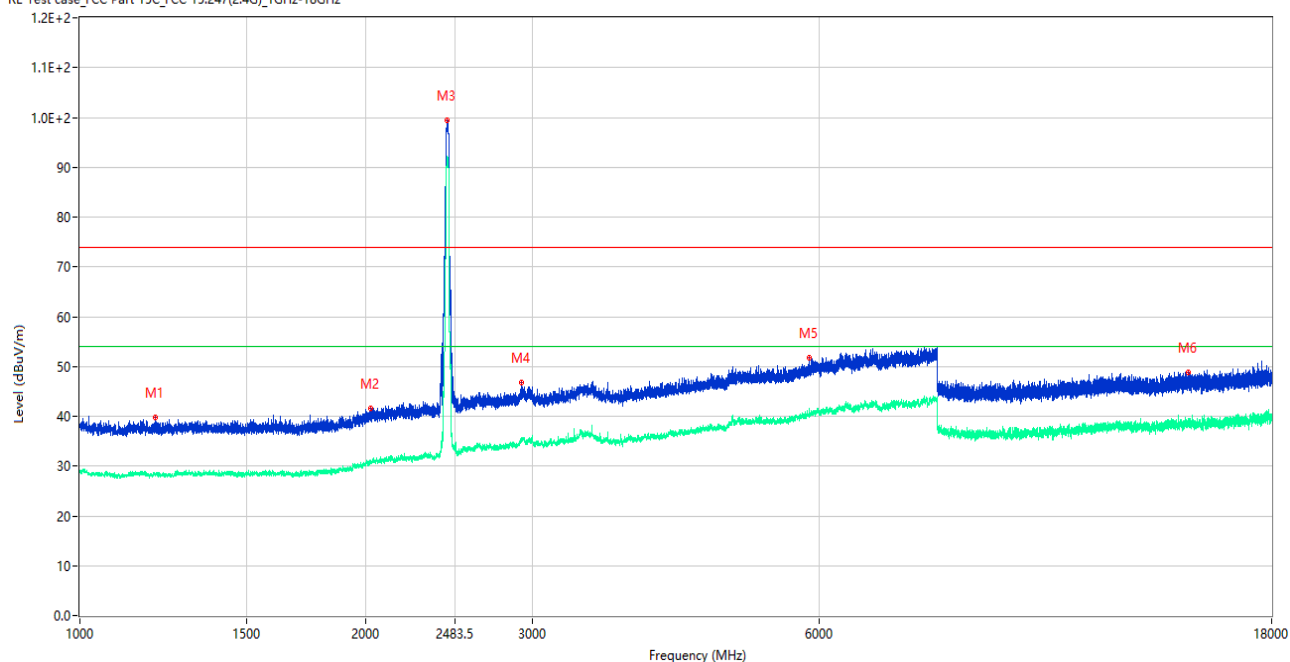
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1255.750	39.57	-16.12	74.0	34.43	Peak	86.00	150	Vertical	Pass
1**	1255.750	28.00	-16.12	54.0	26.00	AV	86.00	150	Vertical	Pass
2	2128.500	42.89	-13.25	74.0	31.11	Peak	315.00	150	Vertical	Pass
2**	2128.500	31.56	-13.25	54.0	22.44	AV	315.00	150	Vertical	Pass
3	2438.000	95.54	-12.38	74.0	-21.54	Peak	139.00	150	Vertical	N/A
3**	2438.000	87.69	-12.38	54.0	-33.69	AV	139.00	150	Vertical	N/A
4	2932.750	46.12	-8.00	74.0	27.88	Peak	0.00	150	Vertical	Pass
4**	2932.750	36.00	-8.00	54.0	18.00	AV	0.00	150	Vertical	Pass
5	5749.500	50.97	-2.12	74.0	23.03	Peak	14.00	150	Vertical	Pass
5**	5749.500	40.27	-2.12	54.0	13.73	AV	14.00	150	Vertical	Pass
6	10257.000	48.67	-3.16	74.0	25.33	Peak	39.00	150	Vertical	Pass
6**	10257.000	36.93	-3.16	54.0	17.07	AV	39.00	150	Vertical	Pass

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

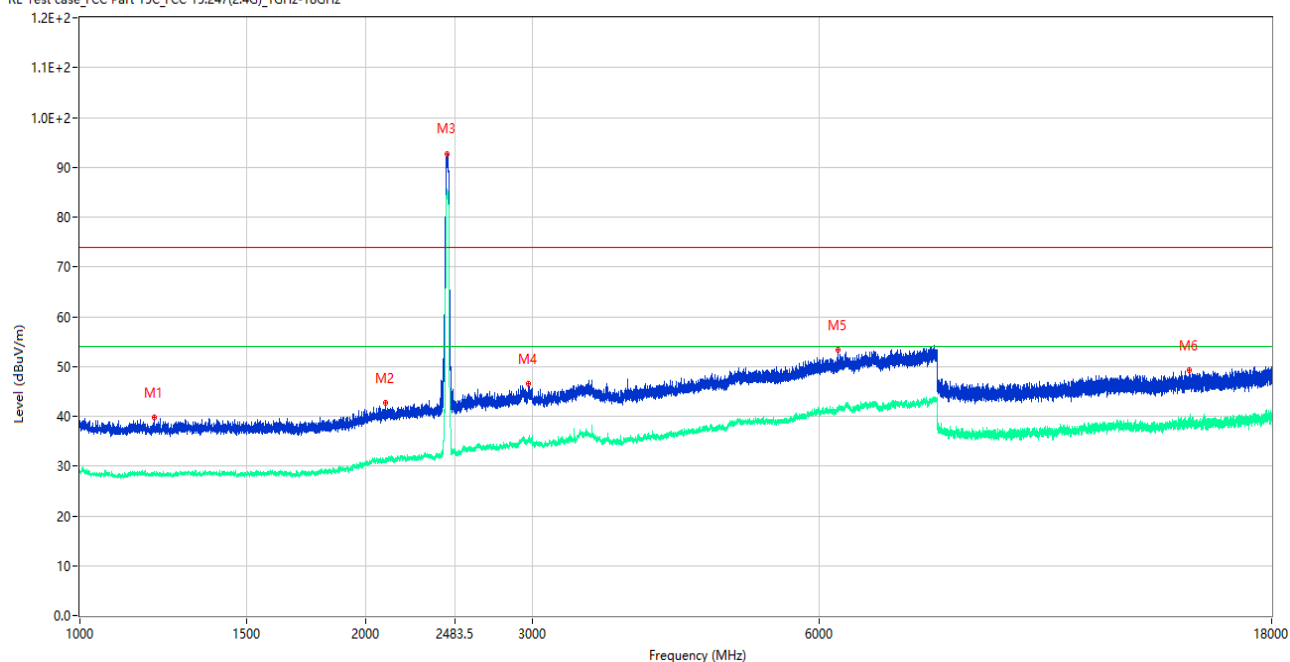
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	39.73	-15.75	74.0	34.27	Peak	0.00	150	Horizontal	Pass
1**	1200.500	28.47	-15.75	54.0	25.53	AV	0.00	150	Horizontal	Pass
2	2025.500	41.57	-13.95	74.0	32.43	Peak	253.00	150	Horizontal	Pass
2**	2025.500	30.61	-13.95	54.0	23.39	AV	253.00	150	Horizontal	Pass
3	2438.250	99.40	-12.38	74.0	-25.40	Peak	22.00	150	Horizontal	N/A
3**	2438.250	92.00	-12.38	54.0	-38.00	AV	22.00	150	Horizontal	N/A
4	2920.000	46.78	-8.63	74.0	27.22	Peak	37.00	150	Horizontal	Pass
4**	2920.000	34.85	-8.63	54.0	19.15	AV	37.00	150	Horizontal	Pass
5	5869.000	51.70	-1.17	74.0	22.30	Peak	19.00	150	Horizontal	Pass
5**	5869.000	40.69	-1.17	54.0	13.31	AV	19.00	150	Horizontal	Pass
6	14715.000	48.80	-2.04	74.0	25.20	Peak	154.00	150	Horizontal	Pass
6**	14715.000	38.67	-2.04	54.0	15.33	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	1199.000	39.70	-15.75	74.0	34.30	Peak	252.00	150	Vertical	Pass
1**	1199.000	28.30	-15.75	54.0	25.70	AV	252.00	150	Vertical	Pass
2	2100.500	42.65	-13.53	74.0	31.35	Peak	243.00	150	Vertical	Pass
2**	2100.500	31.58	-13.53	54.0	22.42	AV	243.00	150	Vertical	Pass
3	2438.000	92.77	-12.38	74.0	-18.77	Peak	145.00	150	Vertical	N/A
3**	2438.000	85.17	-12.38	54.0	-31.17	AV	145.00	150	Vertical	N/A
4	2964.500	46.55	-8.60	74.0	27.45	Peak	75.00	150	Vertical	Pass
4**	2964.500	34.87	-8.60	54.0	19.13	AV	75.00	150	Vertical	Pass
5	6293.000	53.28	-0.29	74.0	20.72	Peak	0.00	150	Vertical	Pass
5**	6293.000	41.08	-0.29	54.0	12.92	AV	0.00	150	Vertical	Pass
6	14727.000	49.19	-1.48	74.0	24.81	Peak	350.00	150	Vertical	Pass
6**	14727.000	39.00	-1.48	54.0	15.00	AV	350.00	150	Vertical	Pass

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

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

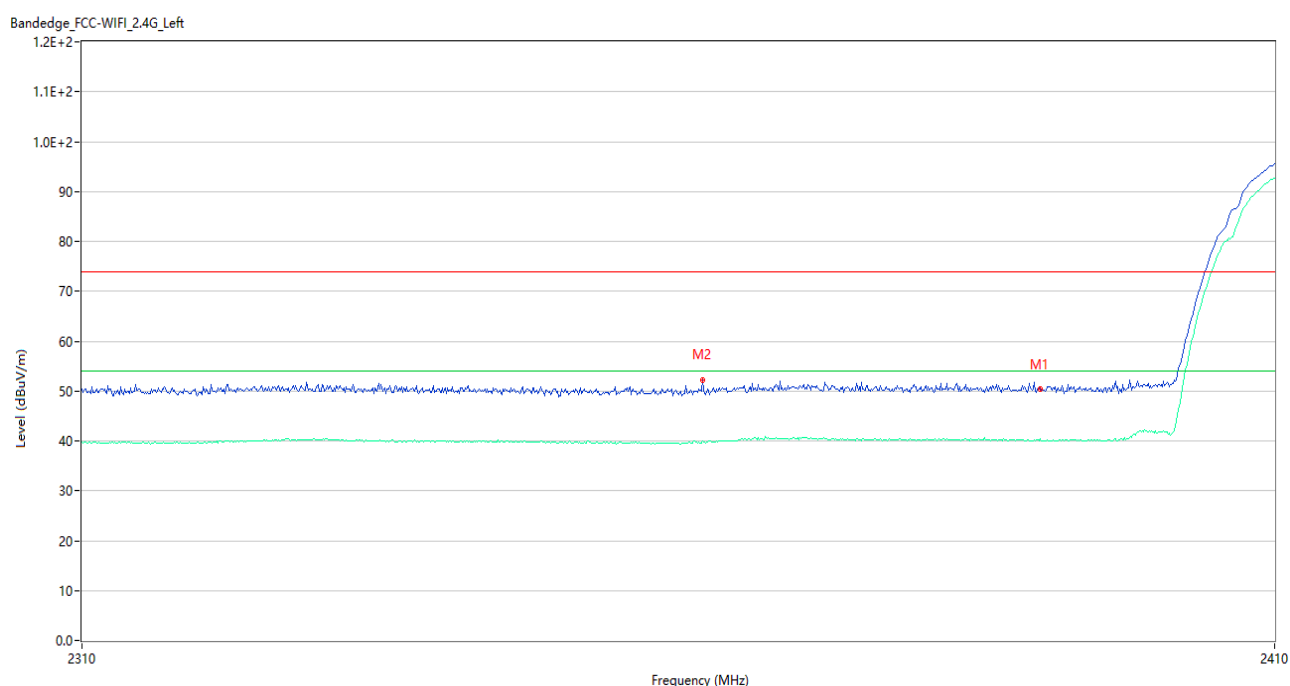
Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note 3: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: All antenna were pre tested, but only the worst case has been reported in this report.

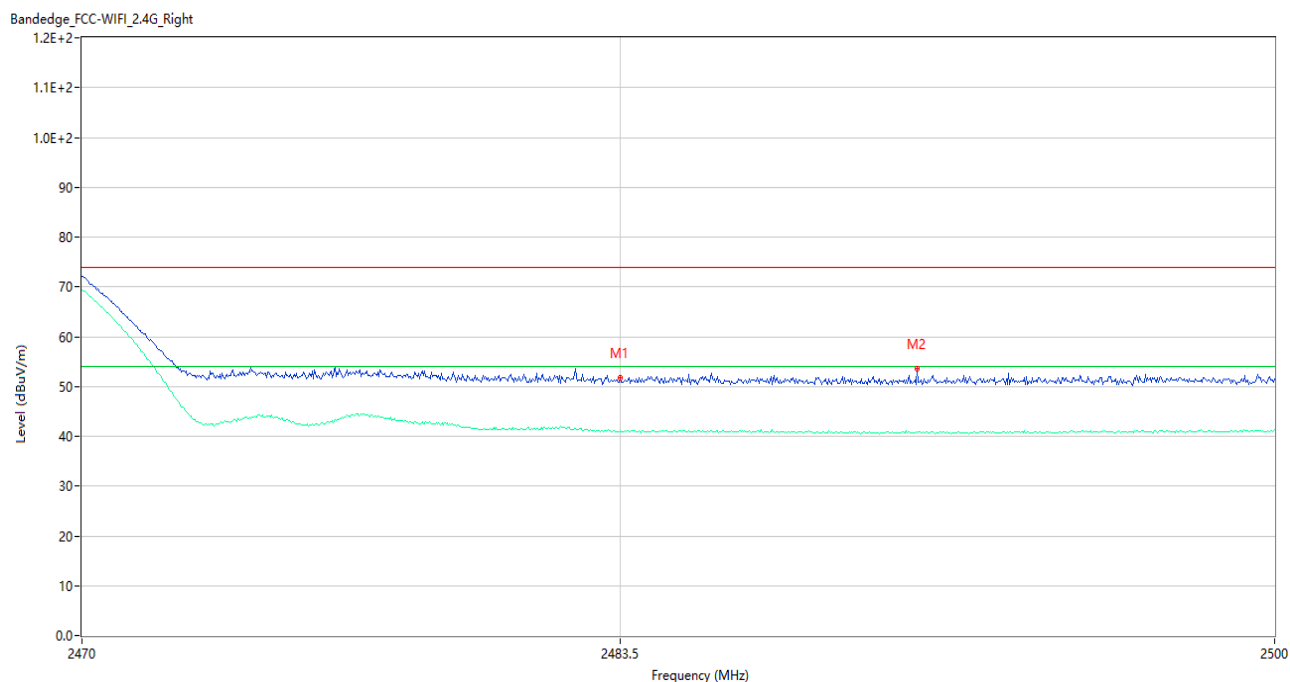
Test Data and Plots

802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.47	-4.87	74.0	23.53	Peak	75.90	150	Horizontal	Pass
1**	2390.000	40.36	-4.87	54.0	13.64	AV	75.90	150	Horizontal	Pass
2	2361.500	52.21	-4.91	74.0	21.79	Peak	272.00	150	Horizontal	Pass
2**	2361.500	39.99	-4.91	54.0	14.01	AV	272.00	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	51.81	-3.78	74.0	22.19	Peak	9.00	150	Horizontal	Pass
1**	2483.500	41.10	-3.78	54.0	12.90	AV	9.00	150	Horizontal	Pass
2	2490.970	53.58	-3.85	74.0	20.42	Peak	26.00	150	Horizontal	Pass
2**	2490.970	40.73	-3.85	54.0	13.27	AV	26.00	150	Horizontal	Pass

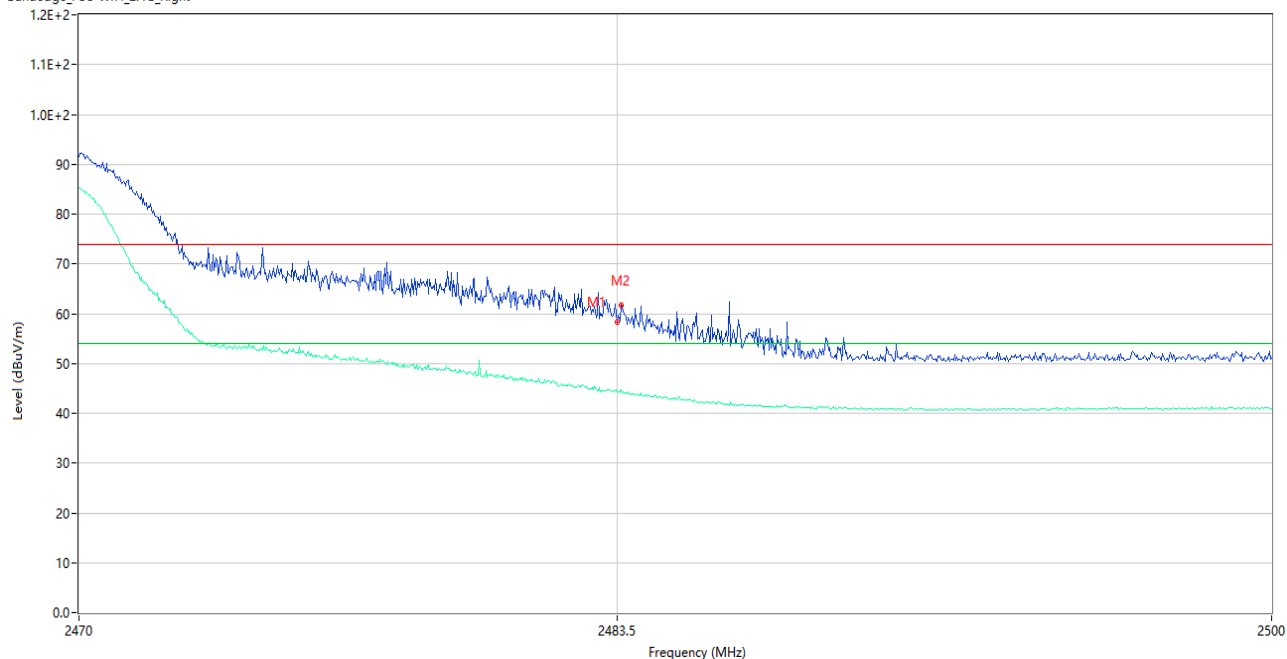
802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	49.94	-4.87	74.0	24.06	Peak	0.24	150	Vertical	Pass
1**	2390.000	39.97	-4.87	54.0	14.03	AV	0.24	150	Vertical	Pass
2	2368.400	52.16	-4.18	74.0	21.84	Peak	0.00	150	Vertical	Pass
2**	2368.400	40.52	-4.18	54.0	13.48	AV	0.00	150	Vertical	Pass

802.11g HIGH CHANNEL

Bandedge_FCC-WIFI_2.4G_Right



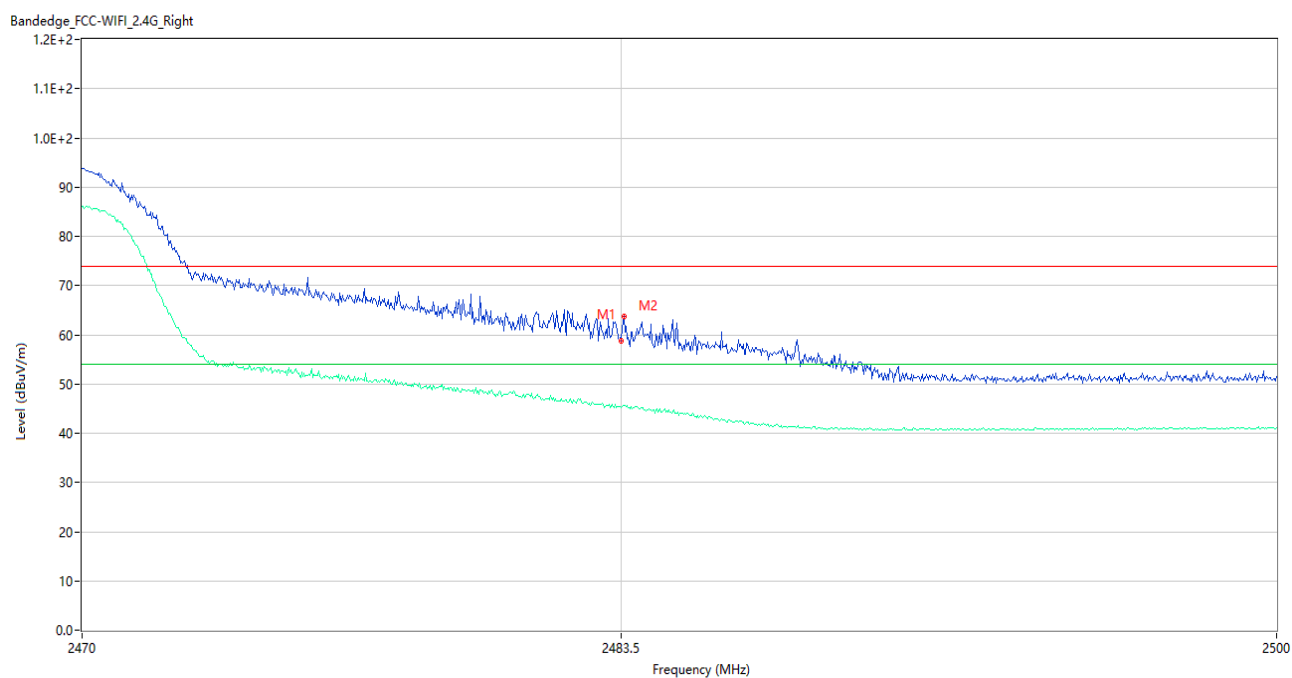
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.41	-3.78	74.0	15.59	Peak	0.00	150	Horizontal	Pass
1**	2483.500	44.31	-3.78	54.0	9.69	AV	0.00	150	Horizontal	Pass
2	2483.590	61.70	-3.78	74.0	12.30	Peak	17.00	150	Horizontal	Pass
2**	2483.590	44.63	-3.78	54.0	9.37	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	50.38	-4.87	74.0	23.62	Peak	0.24	150	Vertical	Pass
1**	2390.000	40.01	-4.87	54.0	13.99	AV	0.24	150	Vertical	Pass
2	2383.600	52.70	-4.51	74.0	21.30	Peak	302.00	150	Vertical	Pass
2**	2383.600	40.32	-4.51	54.0	13.68	AV	302.00	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	58.80	-3.78	74.0	15.20	Peak	97.00	150	Horizontal	Pass
1**	2483.500	45.10	-3.78	54.0	8.90	AV	97.00	150	Horizontal	Pass
2	2483.560	63.76	-3.78	74.0	10.24	Peak	158.00	150	Horizontal	Pass
2**	2483.560	45.55	-3.78	54.0	8.45	AV	158.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.45	8
Middle	-10.03	8
High	-10.52	8

802.11g Mode:

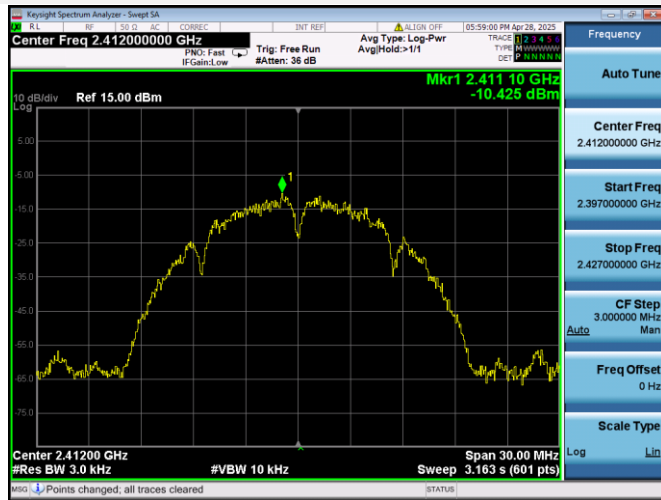
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.59	8
Middle	-12.89	8
High	-12.41	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.07	8
Middle	-13.01	8
High	-13.03	8

Test Plots

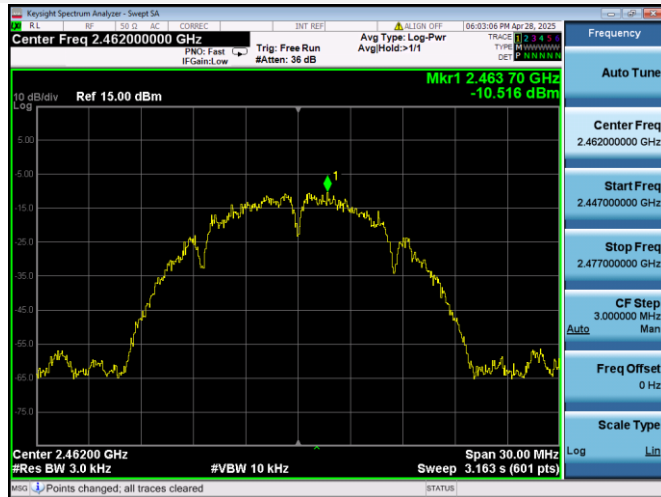
802.11b LOW CHANNEL



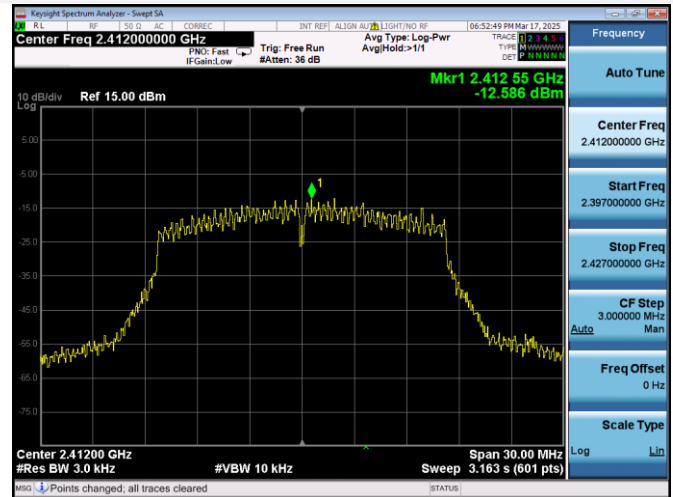
802.11b MIDDLE CHANNEL



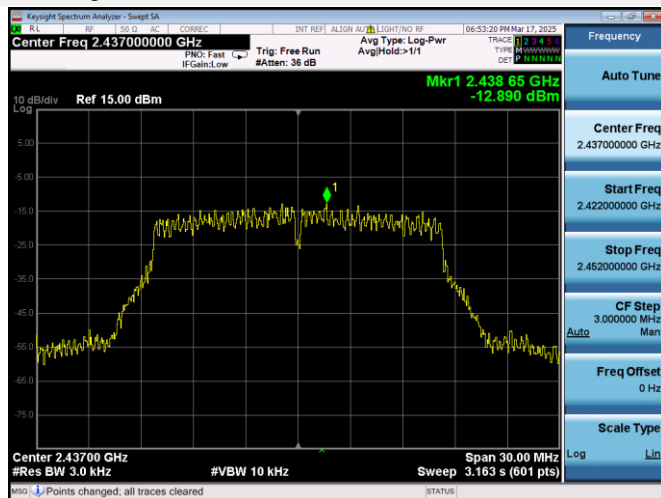
802.11b HIGH CHANNEL



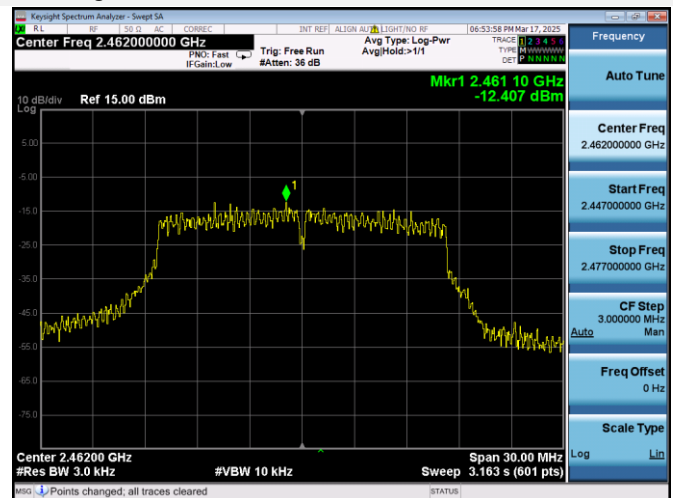
802.11g LOW CHANNEL



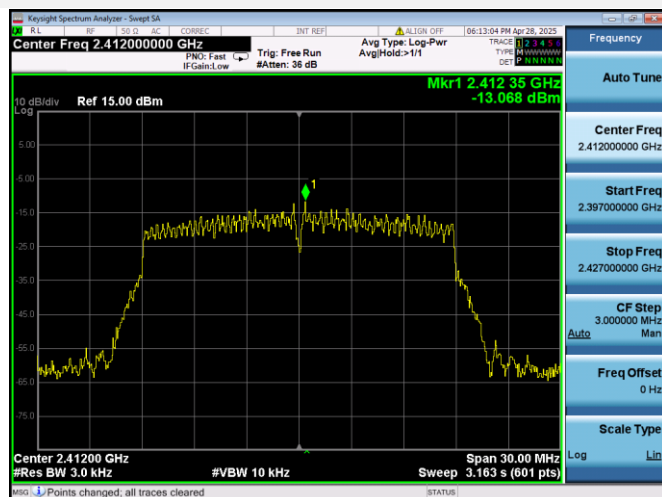
802.11g MIDDLE CHANNEL



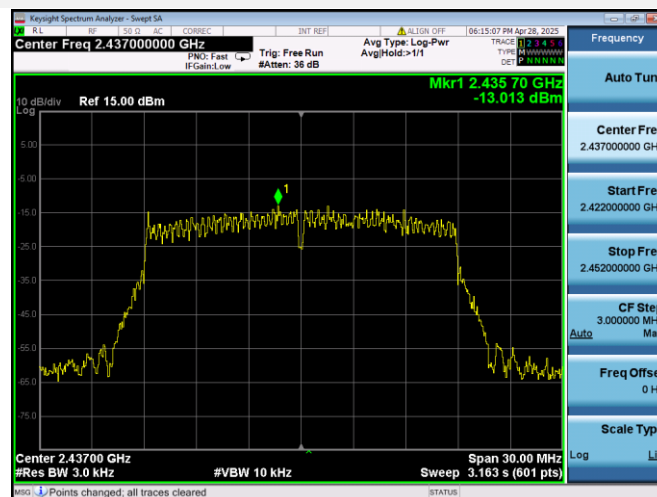
802.11g HIGH CHANNEL



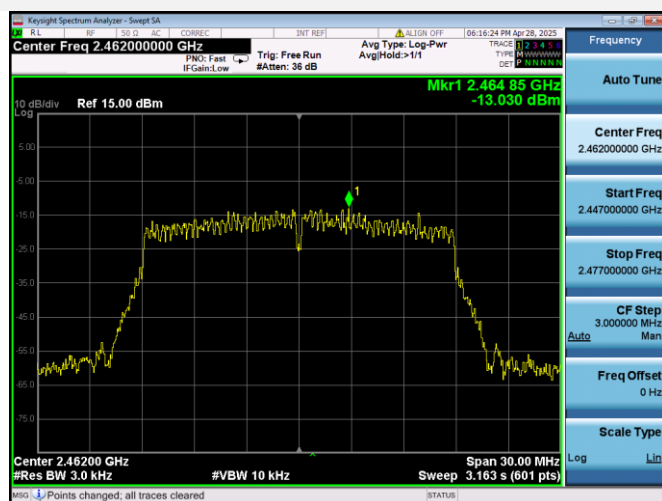
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2530301-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2530301-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2530301-AI.PDF”.

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--END OF REPORT--