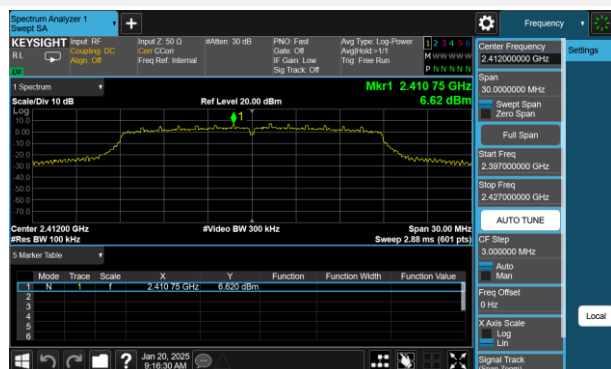
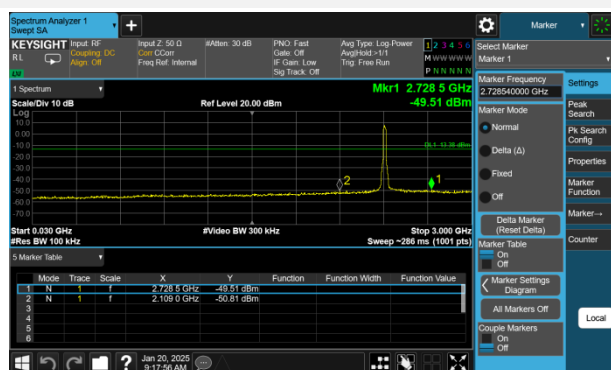


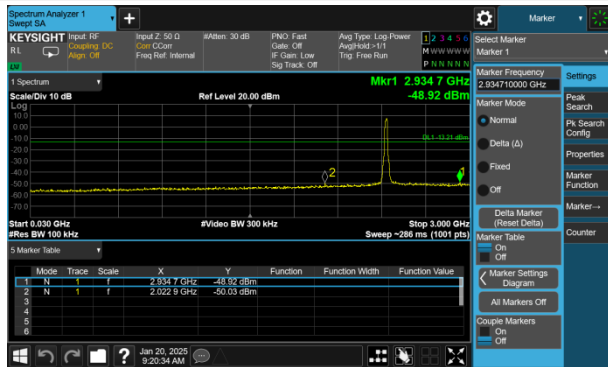
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

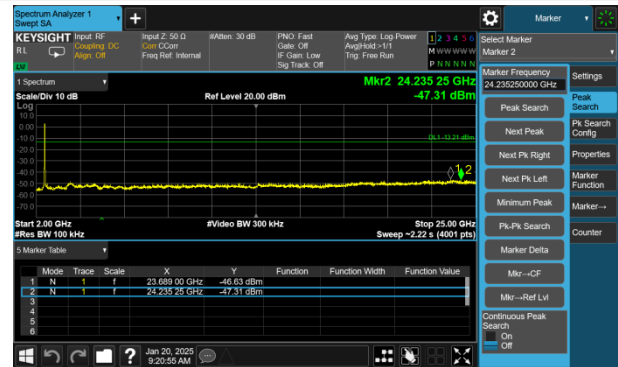
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



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



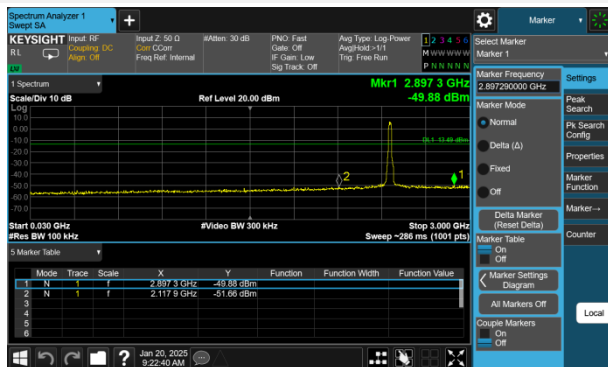
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



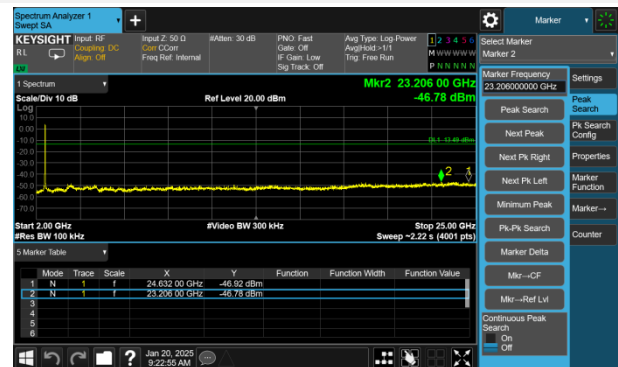
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



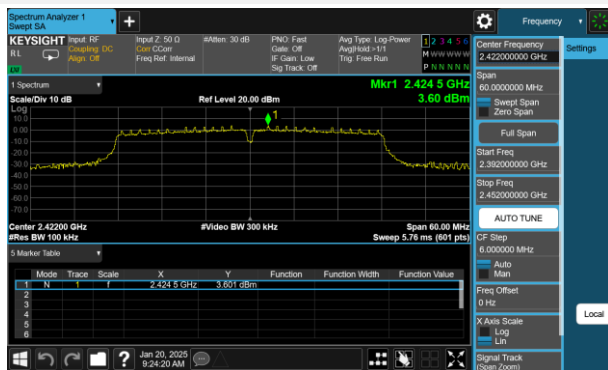
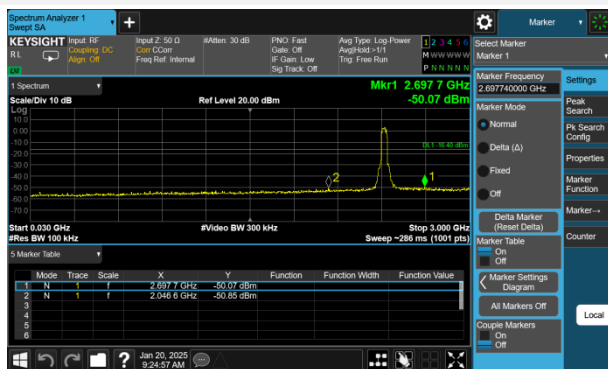
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



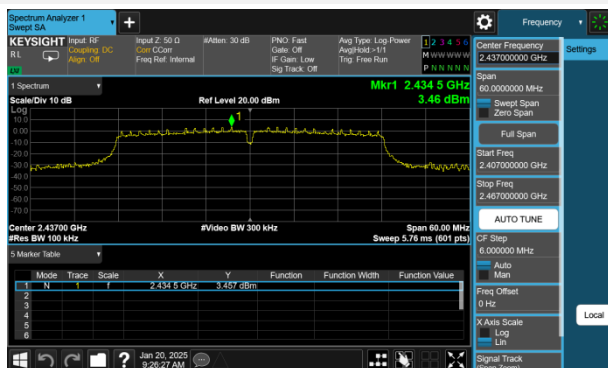
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



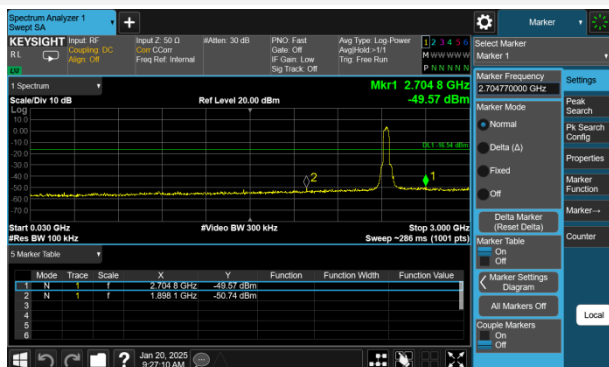
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

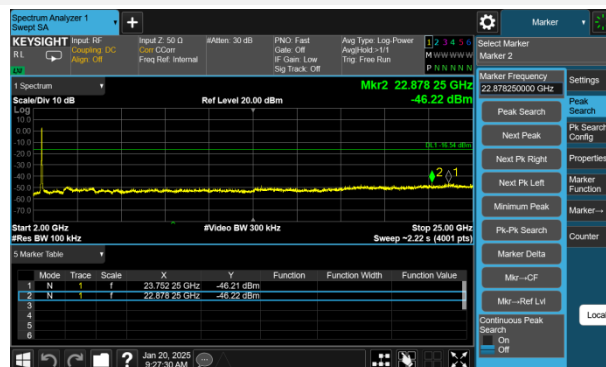
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



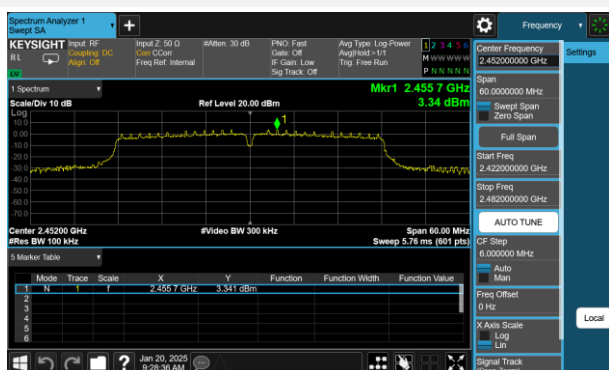
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



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



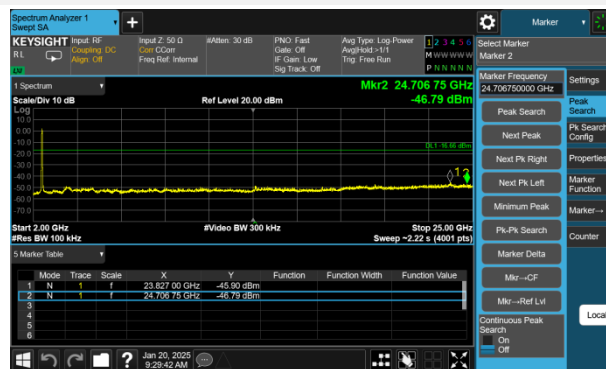
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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	-33.70	11.03	-8.97	Pass
High	-48.18	10.86	-9.14	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-23.09	6.48	-13.52	Pass
High	-38.87	6.75	-13.25	Pass

802.11n-20 MHz Mode:

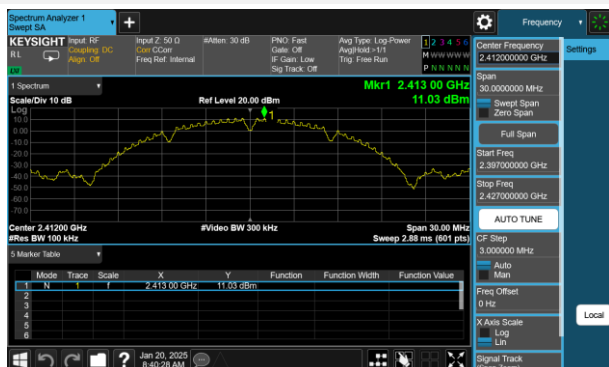
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-23.69	6.62	-13.38	Pass
High	-37.25	6.51	-13.49	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.90	3.60	-16.40	Pass
High	-30.06	3.34	-16.66	Pass

Test Plots

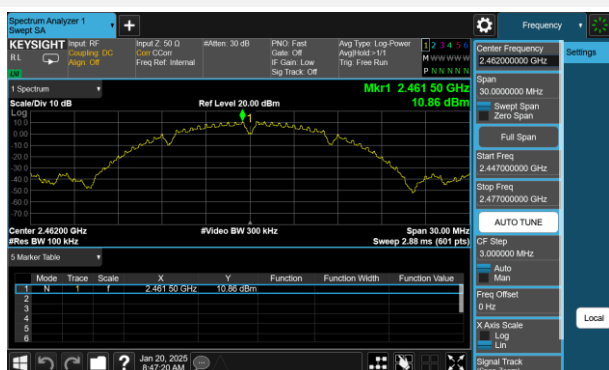
802.11b LOW CHANNEL, CARRIER LEVEL



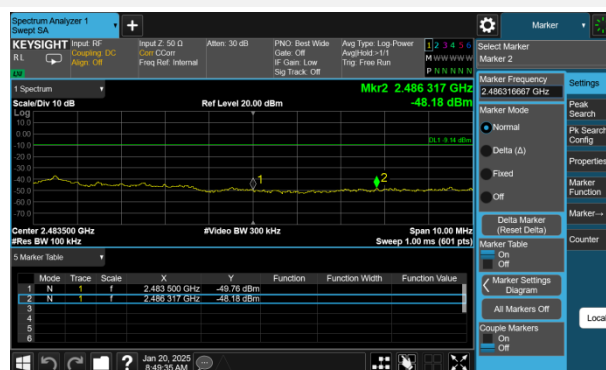
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



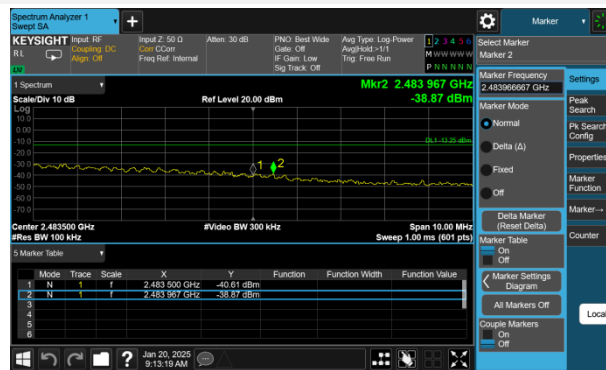
802.11g LOW CHANNEL, BAND EDGE



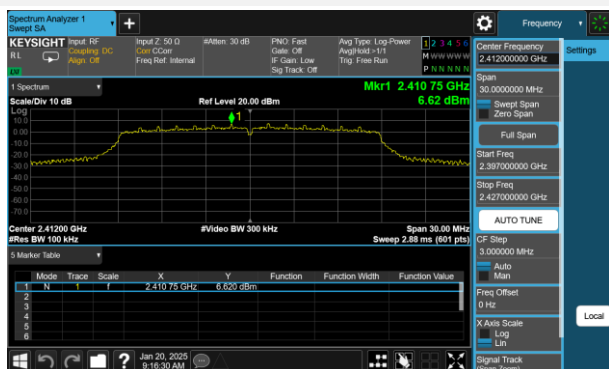
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, BAND EDGE



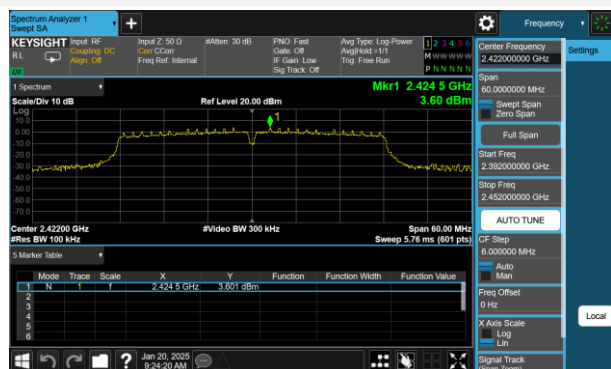
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



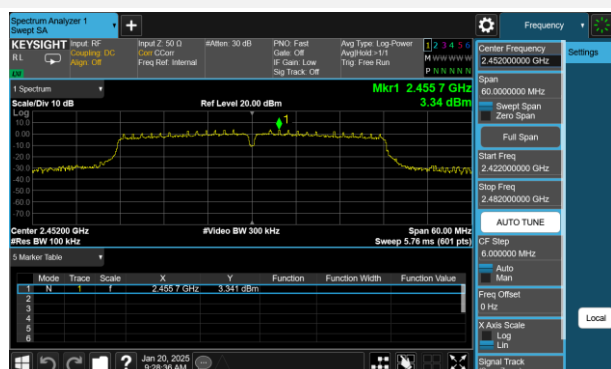
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



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.

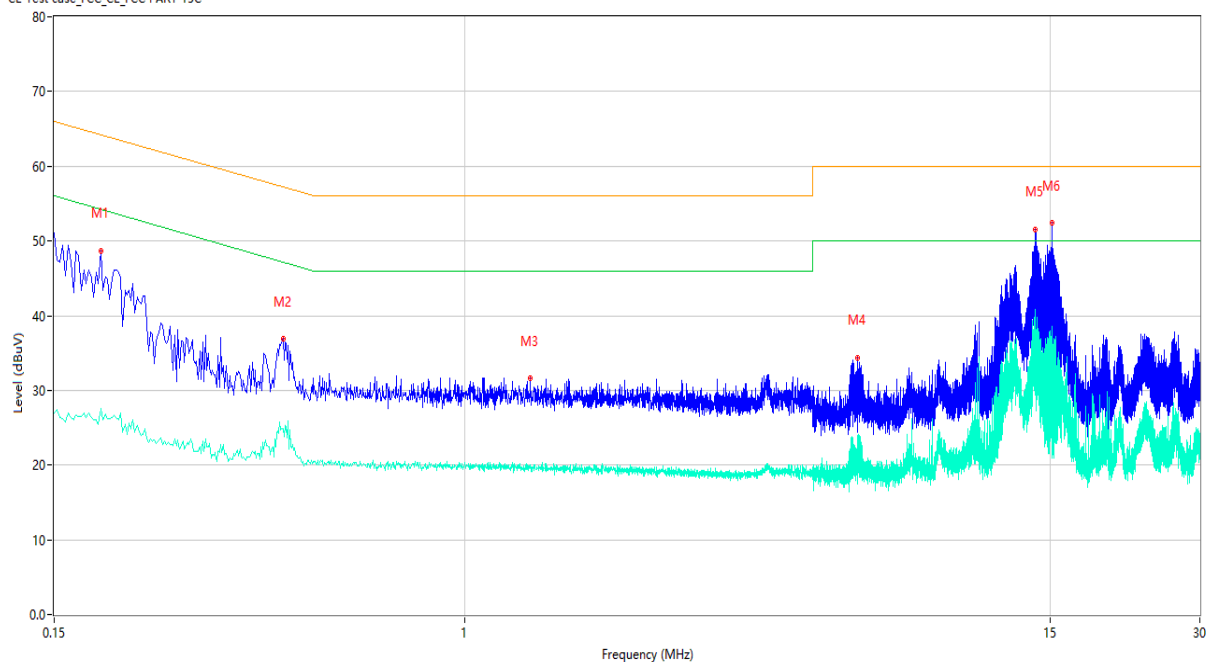
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

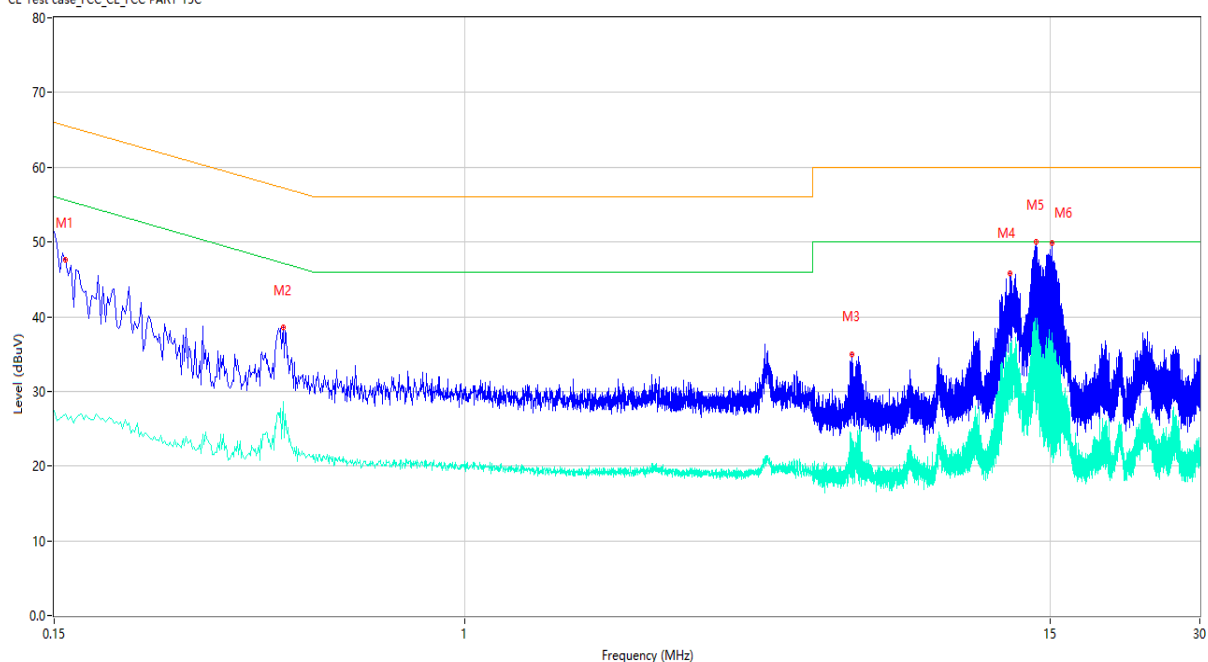
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.186	48.73	9.75	64.21	15.48	Peak	L	Pass
1**	0.186	27.62	9.75	54.21	26.59	AV	L	Pass
2	0.432	36.90	9.74	57.21	20.31	Peak	L	Pass
2**	0.432	24.88	9.74	47.21	22.33	AV	L	Pass
3	1.358	31.59	9.70	56.00	24.41	Peak	L	Pass
3**	1.358	19.79	9.70	46.00	26.21	AV	L	Pass
4	6.156	34.41	9.60	60.00	25.59	Peak	L	Pass
4**	6.156	19.69	9.60	50.00	30.31	AV	L	Pass
5	14.040	51.49	9.30	60.00	8.51	Peak	L	Pass
5**	14.040	39.03	9.30	50.00	10.97	AV	L	Pass
6	15.162	52.44	9.24	60.00	7.56	Peak	L	Pass
6**	15.162	38.51	9.24	50.00	11.49	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	47.62	9.75	65.57	17.95	Peak	N	Pass
1**	0.158	26.97	9.75	55.57	28.60	AV	N	Pass
2	0.432	38.54	9.74	57.21	18.67	Peak	N	Pass
2**	0.432	28.63	9.74	47.21	18.58	AV	N	Pass
3	6.000	35.02	9.61	60.00	24.98	Peak	N	Pass
3**	6.000	22.73	9.61	50.00	27.27	AV	N	Pass
4	12.472	45.73	9.37	60.00	14.27	Peak	N	Pass
4**	12.472	33.00	9.37	50.00	17.00	AV	N	Pass
5	14.064	49.97	9.30	60.00	10.03	Peak	N	Pass
5**	14.064	36.58	9.30	50.00	13.42	AV	N	Pass
6	15.136	49.84	9.25	60.00	10.16	Peak	N	Pass
6**	15.136	37.84	9.25	50.00	12.16	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.

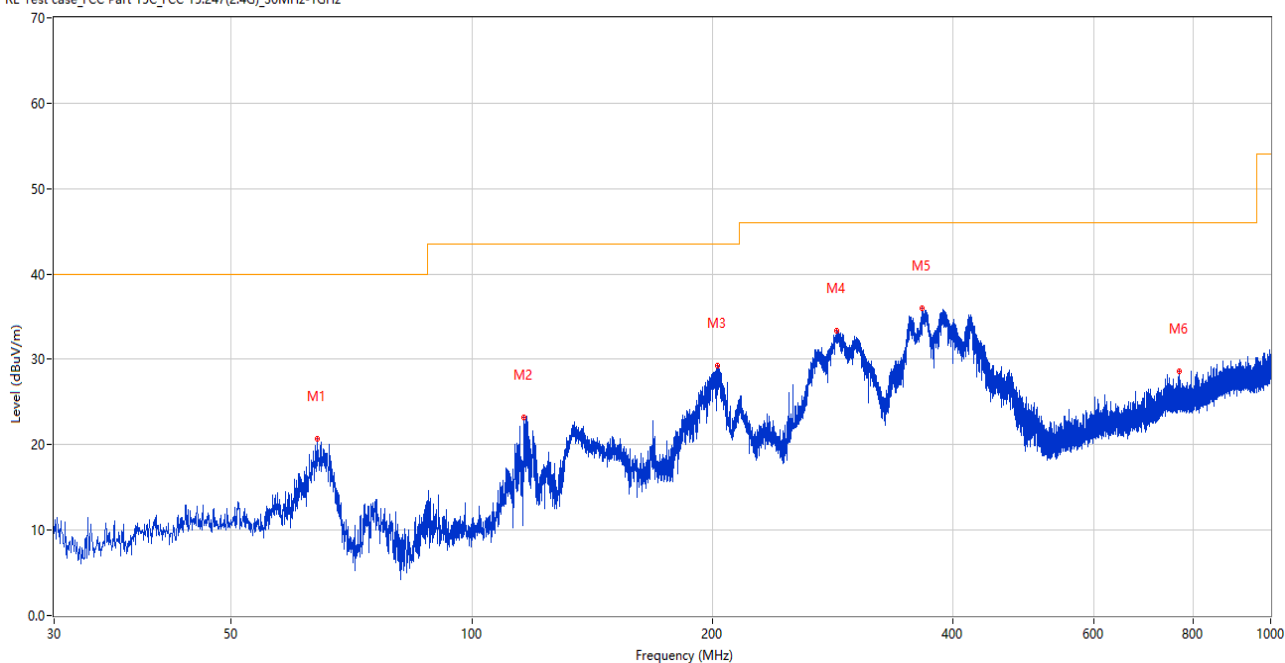
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

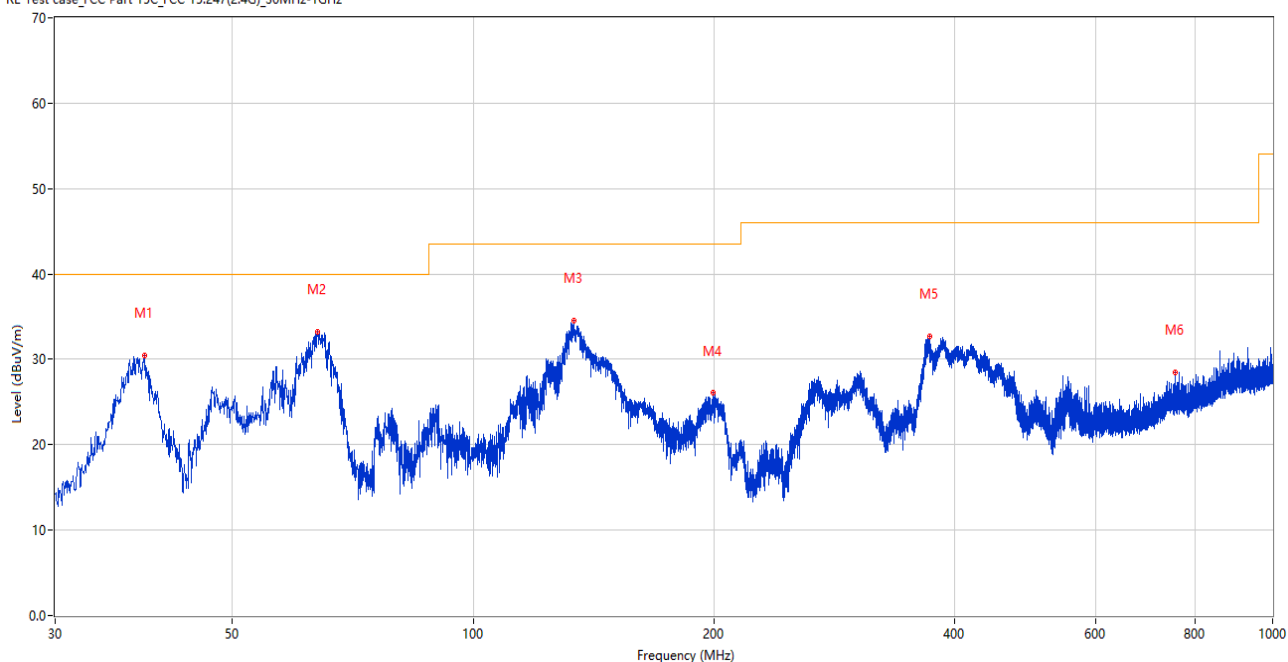
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	64.047	20.64	-27.04	40.0	19.36	Peak	31.00	100	Horizontal	Pass
2	116.330	23.25	-27.58	43.5	20.25	Peak	153.00	100	Horizontal	Pass
3	203.194	29.24	-26.21	43.5	14.26	Peak	104.00	100	Horizontal	Pass
4	285.983	33.34	-23.28	46.0	12.66	Peak	266.00	100	Horizontal	Pass
5	366.590	36.00	-21.54	46.0	10.00	Peak	247.00	200	Horizontal	Pass
6	768.946	28.61	-11.97	46.0	17.39	Peak	169.00	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	38.779	30.42	-26.31	40.0	9.58	Peak	109.00	200	Vertical	Pass
2	63.804	33.24	-26.97	40.0	6.76	Peak	48.00	100	Vertical	Pass
3	133.499	34.59	-29.23	43.5	8.91	Peak	242.00	100	Vertical	Pass
4	199.798	26.04	-25.75	43.5	17.46	Peak	48.00	100	Vertical	Pass
5	372.070	32.68	-21.32	46.0	13.32	Peak	218.00	200	Vertical	Pass
6	754.590	28.48	-12.01	46.0	17.52	Peak	169.00	100	Vertical	Pass

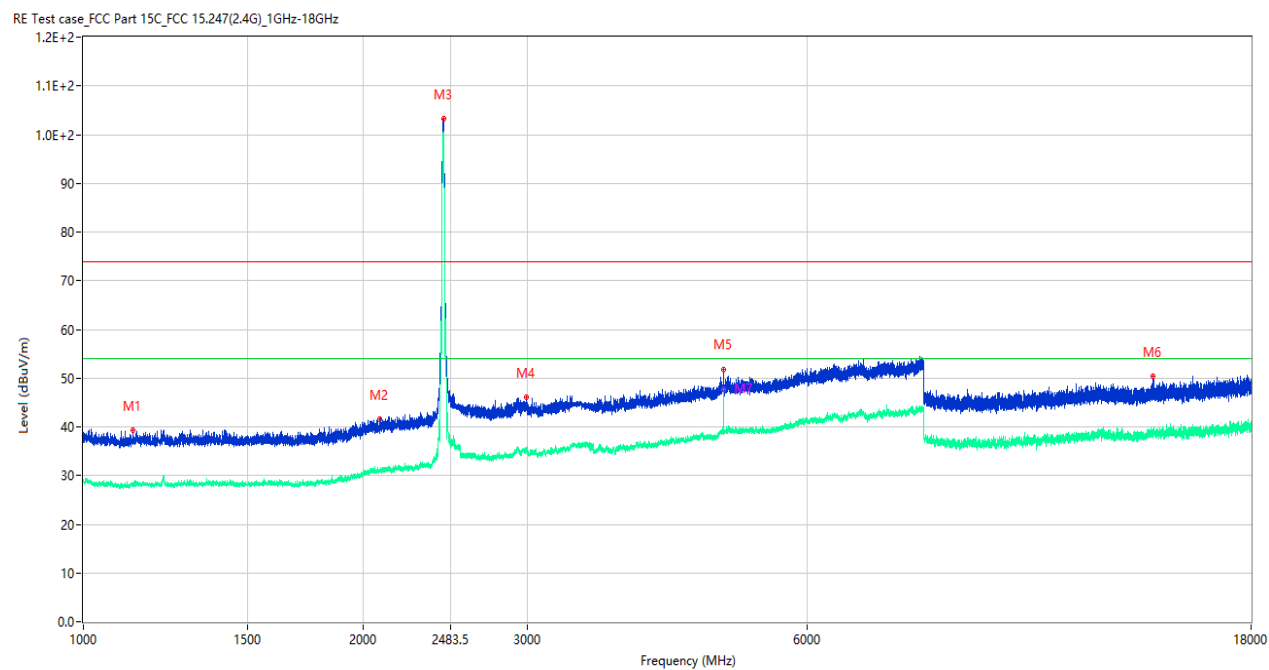
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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.

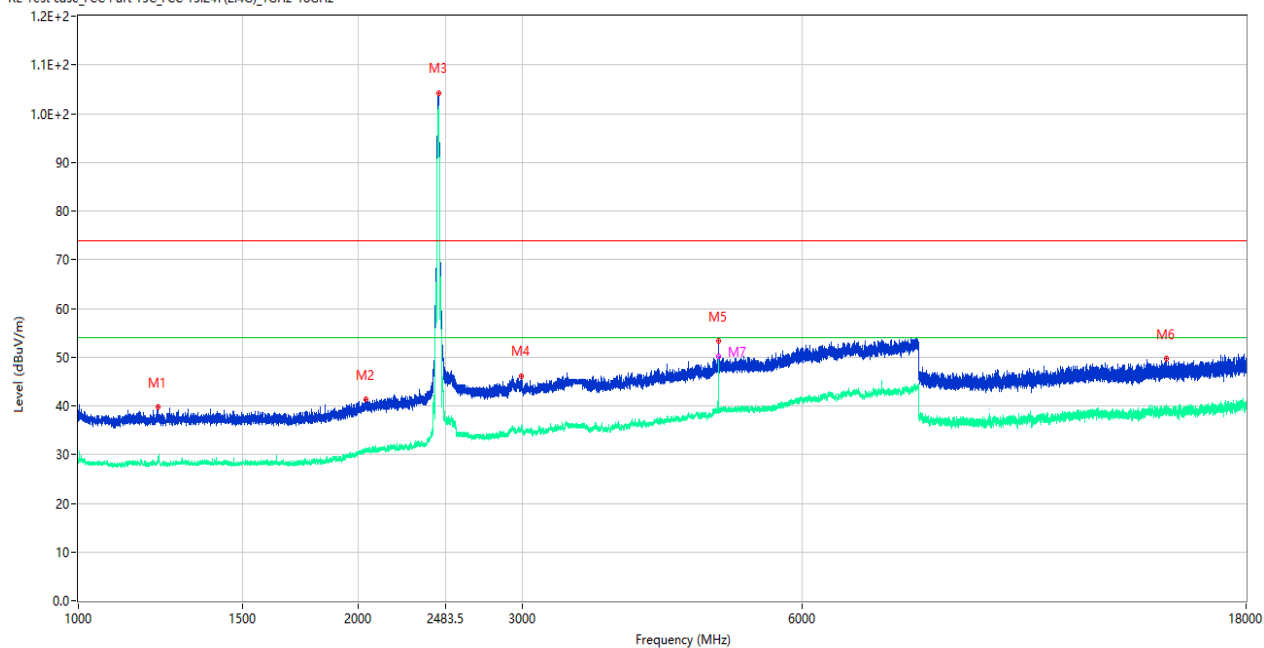
1 GHz to 18 GHz, ANT H 802.11b Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1130.500	39.28	-15.56	74.0	34.72	Peak	158.00	150	Horizontal	Pass
1**	1130.500	28.28	-15.56	54.0	25.72	AV	158.00	150	Horizontal	Pass
2	2080.250	41.59	-13.81	74.0	32.41	Peak	124.00	150	Horizontal	Pass
2**	2080.250	30.93	-13.81	54.0	23.07	AV	124.00	150	Horizontal	Pass
3	2438.250	103.31	-12.38	74.0	-29.31	Peak	352.00	150	Horizontal	N/A
3**	2438.250	100.50	-12.38	54.0	-46.50	AV	352.00	150	Horizontal	N/A
4	2994.250	46.05	-8.93	74.0	27.95	Peak	203.00	150	Horizontal	Pass
4**	2994.250	35.27	-8.93	54.0	18.73	AV	203.00	150	Horizontal	Pass
5	4874.000	51.86	-2.23	74.0	22.14	Peak	259.00	150	Horizontal	Pass
5**	4874.000	45.70	-2.23	54.0	8.30	AV	259.00	150	Horizontal	Pass
6	14115.000	50.43	-1.22	74.0	23.57	Peak	147.00	150	Horizontal	Pass
6**	14115.000	38.41	-1.22	54.0	15.59	AV	147.00	150	Horizontal	Pass
7	4874.500	51.20	-2.25	74.0	22.80	Peak	209.00	150	Horizontal	Pass
7**	4874.500	47.57	-2.25	54.0	6.43	AV	209.00	150	Horizontal	Pass

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

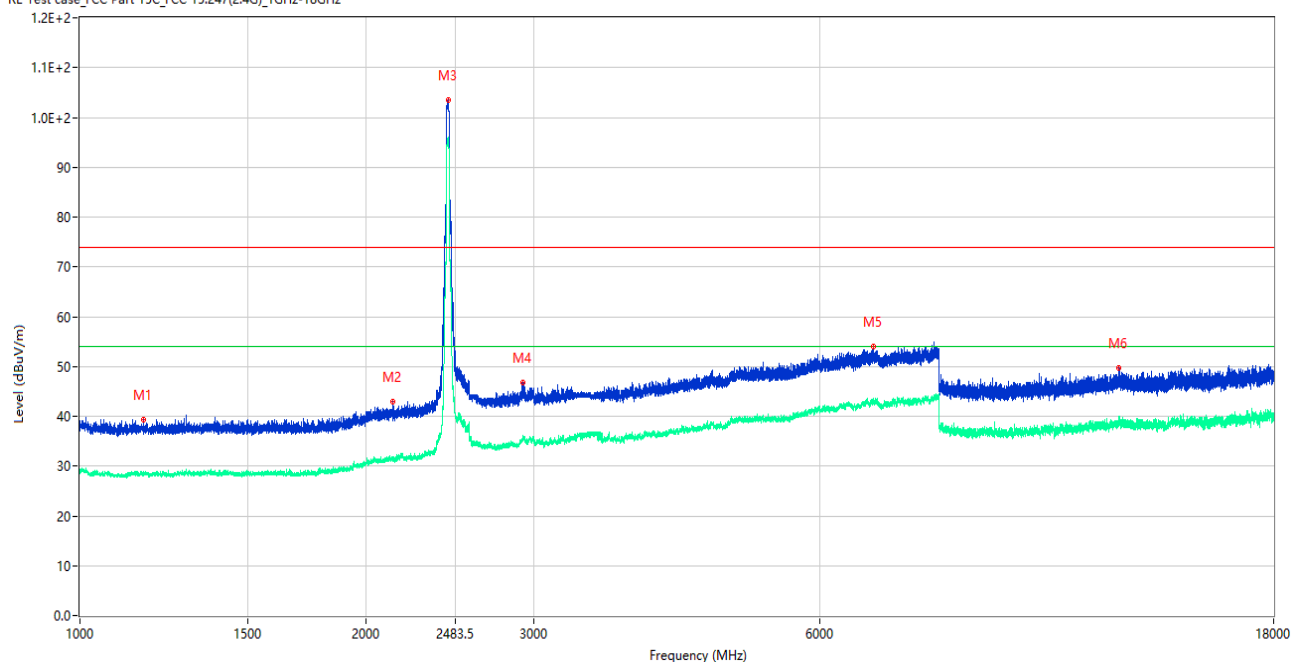
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1218.250	39.85	-15.97	74.0	34.15	Peak	262.00	150	Vertical	Pass
1**	1218.250	29.30	-15.97	54.0	24.70	AV	262.00	150	Vertical	Pass
2	2037.000	41.27	-13.31	74.0	32.73	Peak	358.00	150	Vertical	Pass
2**	2037.000	30.73	-13.31	54.0	23.27	AV	358.00	150	Vertical	Pass
3	2438.250	104.27	-12.38	74.0	-30.27	Peak	151.00	150	Vertical	N/A
3**	2438.250	101.35	-12.38	54.0	-47.35	AV	151.00	150	Vertical	N/A
4	2990.250	46.21	-9.18	74.0	27.79	Peak	8.00	150	Vertical	Pass
4**	2990.250	35.20	-9.18	54.0	18.80	AV	8.00	150	Vertical	Pass
5	4874.000	53.30	-2.23	74.0	20.70	Peak	119.00	150	Vertical	Pass
5**	4874.000	47.73	-2.23	54.0	6.27	AV	119.00	150	Vertical	Pass
6	14773.500	49.72	-0.79	74.0	24.28	Peak	270.00	150	Vertical	Pass
6**	14773.500	39.37	-0.79	54.0	14.63	AV	270.00	150	Vertical	Pass
7	4874.500	52.59	-2.25	74.0	21.41	Peak	181.00	150	Vertical	Pass
7**	4874.500	50.07	-2.25	54.0	3.93	AV	181.00	150	Vertical	Pass

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

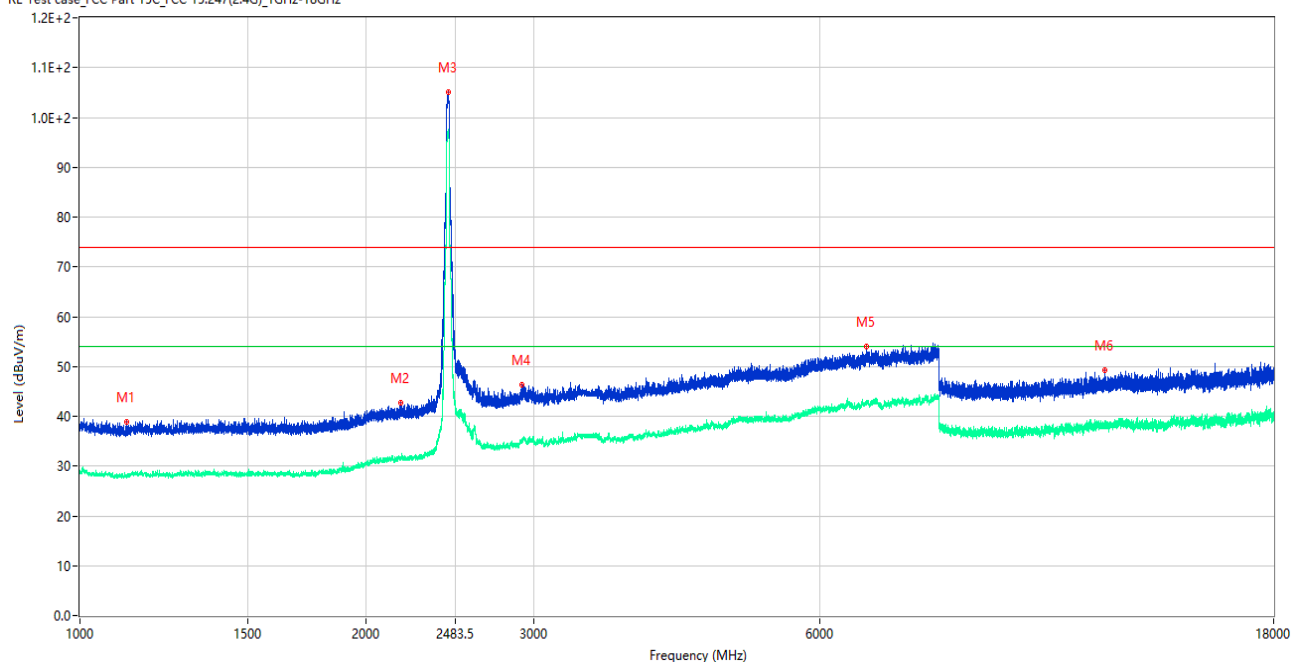
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.750	39.38	-15.46	74.0	34.62	Peak	161.00	150	Horizontal	Pass
1**	1166.750	28.39	-15.46	54.0	25.61	AV	161.00	150	Horizontal	Pass
2	2133.250	43.02	-13.38	74.0	30.98	Peak	102.00	150	Horizontal	Pass
2**	2133.250	31.80	-13.38	54.0	22.20	AV	102.00	150	Horizontal	Pass
3	2438.250	103.50	-12.38	74.0	-29.50	Peak	0.00	150	Horizontal	N/A
3**	2438.250	95.72	-12.38	54.0	-41.72	AV	0.00	150	Horizontal	N/A
4	2924.750	46.75	-8.22	74.0	27.25	Peak	0.00	150	Horizontal	Pass
4**	2924.750	36.02	-8.22	54.0	17.98	AV	0.00	150	Horizontal	Pass
5	6833.000	53.95	0.92	74.0	20.05	Peak	170.00	150	Horizontal	Pass
5**	6833.000	43.18	0.92	54.0	10.82	AV	170.00	150	Horizontal	Pass
6	12379.500	49.65	-2.32	74.0	24.35	Peak	326.00	150	Horizontal	Pass
6**	12379.500	39.31	-2.32	54.0	14.69	AV	326.00	150	Horizontal	Pass

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

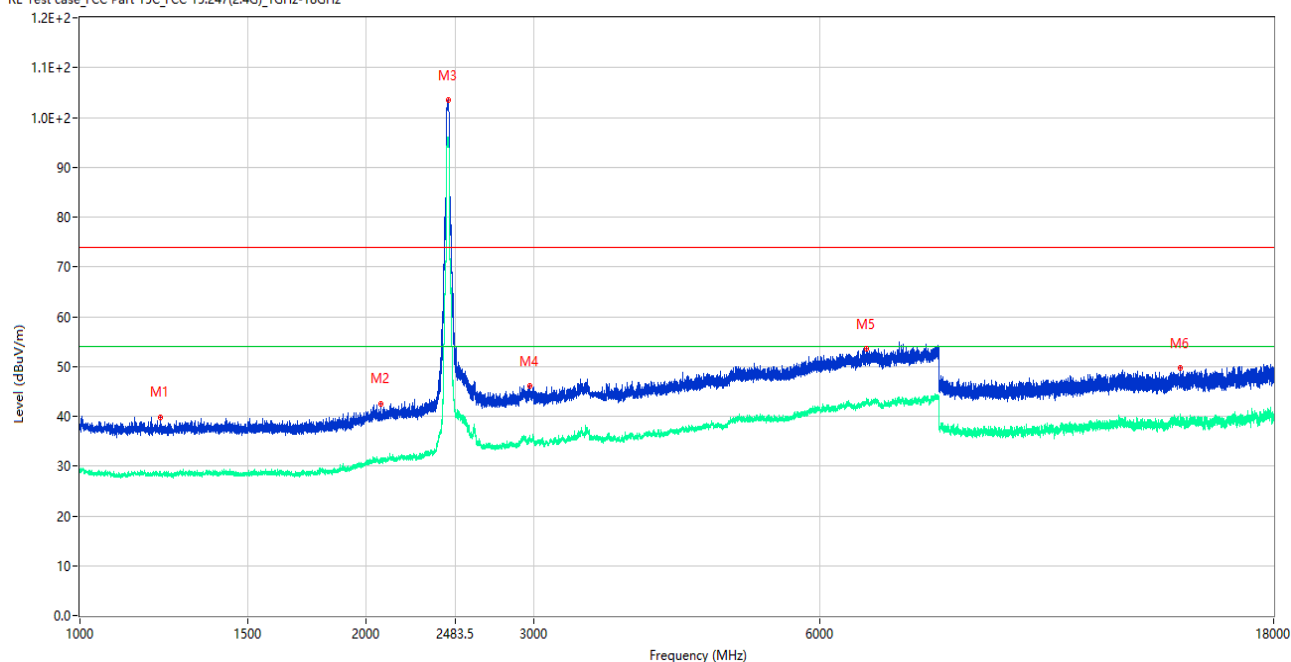
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.250	38.80	-15.75	74.0	35.20	Peak	175.00	150	Vertical	Pass
1**	1120.250	28.26	-15.75	54.0	25.74	AV	175.00	150	Vertical	Pass
2	2173.000	42.60	-12.95	74.0	31.40	Peak	360.00	150	Vertical	Pass
2**	2173.000	31.65	-12.95	54.0	22.35	AV	360.00	150	Vertical	Pass
3	2438.000	105.09	-12.38	74.0	-31.09	Peak	324.00	150	Vertical	N/A
3**	2438.000	97.29	-12.38	54.0	-43.29	AV	324.00	150	Vertical	N/A
4	2917.500	46.26	-8.82	74.0	27.74	Peak	267.00	150	Vertical	Pass
4**	2917.500	34.89	-8.82	54.0	19.11	AV	267.00	150	Vertical	Pass
5	6719.000	53.90	0.44	74.0	20.10	Peak	314.00	150	Vertical	Pass
5**	6719.000	42.86	0.44	54.0	11.14	AV	314.00	150	Vertical	Pass
6	11972.000	49.35	-3.13	74.0	24.65	Peak	350.00	150	Vertical	Pass
6**	11972.000	38.23	-3.13	54.0	15.77	AV	350.00	150	Vertical	Pass

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

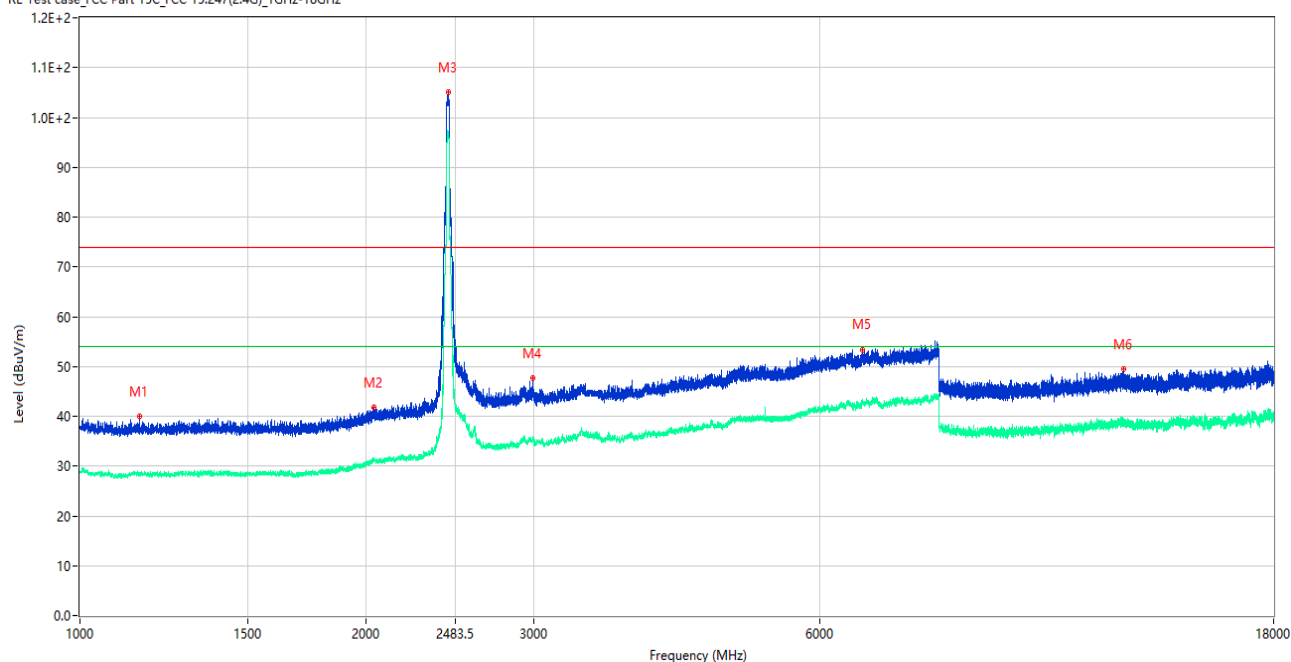
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.000	39.88	-15.95	74.0	34.12	Peak	87.00	150	Horizontal	Pass
1**	1214.000	28.61	-15.95	54.0	25.39	AV	87.00	150	Horizontal	Pass
2	2071.000	42.59	-13.74	74.0	31.41	Peak	4.00	150	Horizontal	Pass
2**	2071.000	31.29	-13.74	54.0	22.71	AV	4.00	150	Horizontal	Pass
3	2438.250	103.57	-12.38	74.0	-29.57	Peak	352.00	150	Horizontal	N/A
3**	2438.250	96.00	-12.38	54.0	-42.00	AV	352.00	150	Horizontal	N/A
4	2973.000	46.03	-8.55	74.0	27.97	Peak	299.00	150	Horizontal	Pass
4**	2973.000	35.40	-8.55	54.0	18.60	AV	299.00	150	Horizontal	Pass
5	6715.500	53.57	0.37	74.0	20.43	Peak	229.00	150	Horizontal	Pass
5**	6715.500	42.77	0.37	54.0	11.23	AV	229.00	150	Horizontal	Pass
6	14372.000	49.74	-1.51	74.0	24.26	Peak	360.00	150	Horizontal	Pass
6**	14372.000	38.79	-1.51	54.0	15.21	AV	360.00	150	Horizontal	Pass

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

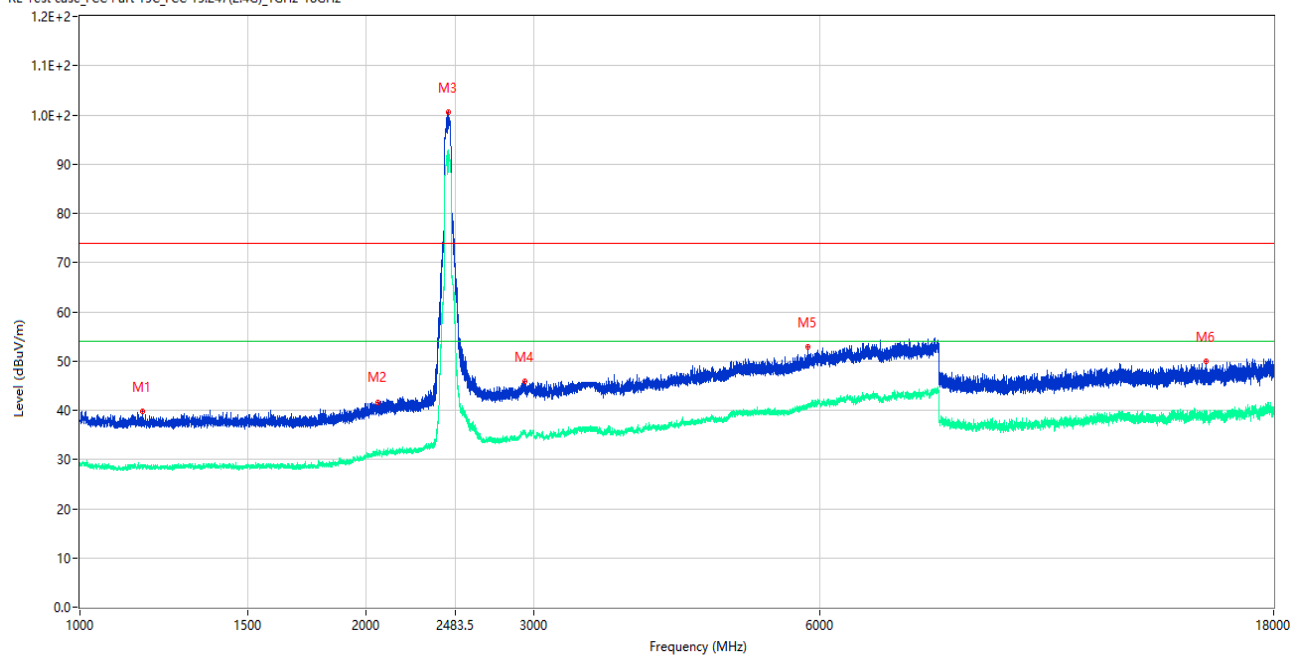
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.750	40.02	-15.61	74.0	33.98	Peak	289.00	150	Vertical	Pass
1**	1155.750	28.28	-15.61	54.0	25.72	AV	289.00	150	Vertical	Pass
2	2035.750	41.79	-13.35	74.0	32.21	Peak	58.00	150	Vertical	Pass
2**	2035.750	31.03	-13.35	54.0	22.97	AV	58.00	150	Vertical	Pass
3	2439.000	105.16	-12.37	74.0	-31.16	Peak	327.00	150	Vertical	N/A
3**	2439.000	97.18	-12.37	54.0	-43.18	AV	327.00	150	Vertical	N/A
4	2993.250	47.60	-8.97	74.0	26.40	Peak	149.00	150	Vertical	Pass
4**	2993.250	35.38	-8.97	54.0	18.62	AV	149.00	150	Vertical	Pass
5	6655.500	53.44	0.14	74.0	20.56	Peak	360.00	150	Vertical	Pass
5**	6655.500	42.99	0.14	54.0	11.01	AV	360.00	150	Vertical	Pass
6	12517.500	49.57	-3.15	74.0	24.43	Peak	360.00	150	Vertical	Pass
6**	12517.500	38.54	-3.15	54.0	15.46	AV	360.00	150	Vertical	Pass

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

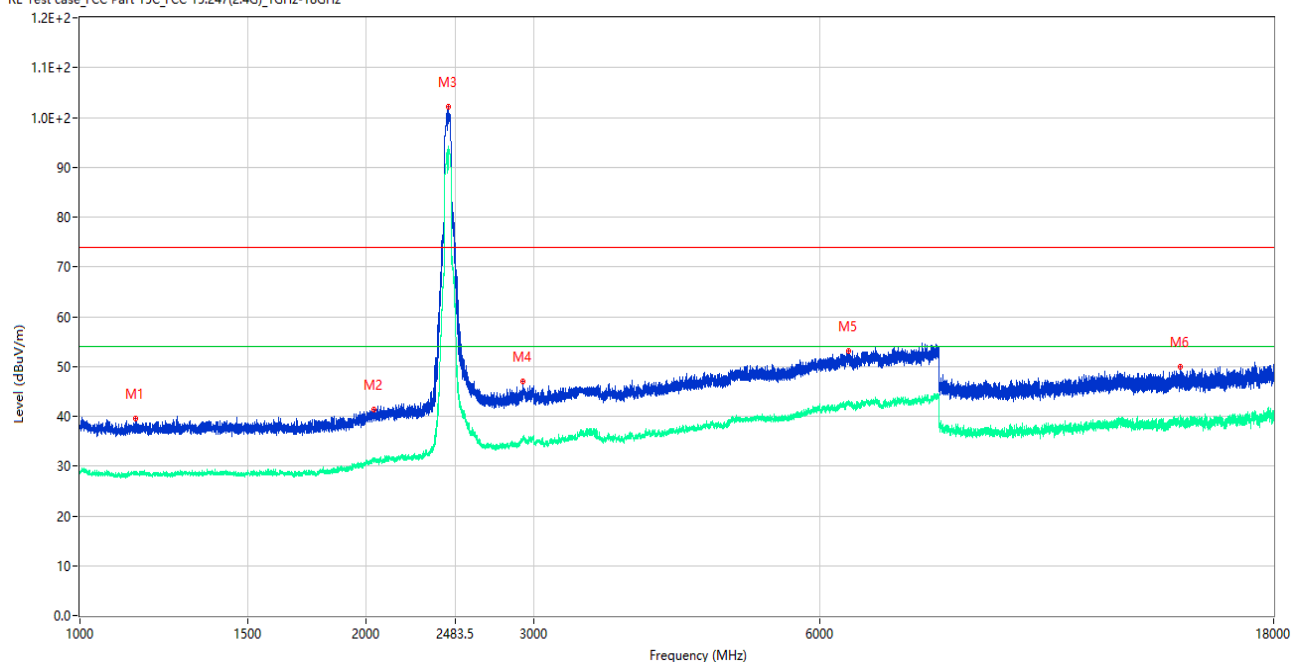
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.500	39.72	-15.46	74.0	34.28	Peak	321.00	150	Horizontal	Pass
1**	1162.500	28.50	-15.46	54.0	25.50	AV	321.00	150	Horizontal	Pass
2	2057.500	41.68	-13.85	74.0	32.32	Peak	288.00	150	Horizontal	Pass
2**	2057.500	30.70	-13.85	54.0	23.30	AV	288.00	150	Horizontal	Pass
3	2438.750	100.48	-12.37	74.0	-26.48	Peak	353.00	150	Horizontal	N/A
3**	2438.750	92.93	-12.37	54.0	-38.93	AV	353.00	150	Horizontal	N/A
4	2939.750	45.96	-8.49	74.0	28.04	Peak	0.00	150	Horizontal	Pass
4**	2939.750	35.42	-8.49	54.0	18.58	AV	0.00	150	Horizontal	Pass
5	5833.000	52.93	-0.83	74.0	21.07	Peak	310.00	150	Horizontal	Pass
5**	5833.000	40.84	-0.83	54.0	13.16	AV	310.00	150	Horizontal	Pass
6	15275.000	49.92	-1.50	74.0	24.08	Peak	157.00	150	Horizontal	Pass
6**	15275.000	38.86	-1.50	54.0	15.14	AV	157.00	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	1144.000	39.45	-15.61	74.0	34.55	Peak	340.00	150	Vertical	Pass
1**	1144.000	28.38	-15.61	54.0	25.62	AV	340.00	150	Vertical	Pass
2	2037.500	41.38	-13.30	74.0	32.62	Peak	194.00	150	Vertical	Pass
2**	2037.500	30.95	-13.30	54.0	23.05	AV	194.00	150	Vertical	Pass
3	2439.500	102.18	-12.37	74.0	-28.18	Peak	142.00	150	Vertical	N/A
3**	2439.500	94.14	-12.37	54.0	-40.14	AV	142.00	150	Vertical	N/A
4	2925.250	47.06	-8.19	74.0	26.94	Peak	285.00	150	Vertical	Pass
4**	2925.250	35.66	-8.19	54.0	18.34	AV	285.00	150	Vertical	Pass
5	6435.500	53.04	0.07	74.0	20.96	Peak	231.00	150	Vertical	Pass
5**	6435.500	43.06	0.07	54.0	10.94	AV	231.00	150	Vertical	Pass
6	14364.000	49.92	-1.45	74.0	24.08	Peak	323.00	150	Vertical	Pass
6**	14364.000	39.13	-1.45	54.0	14.87	AV	323.00	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.

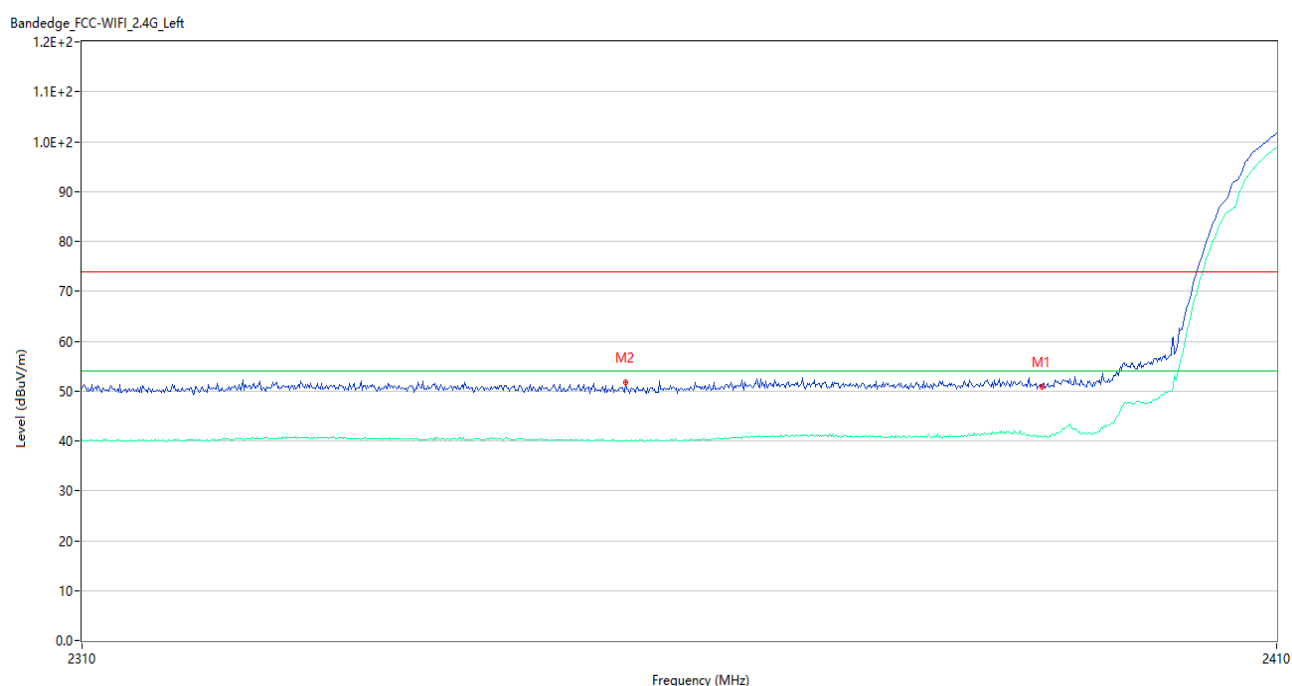
Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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.

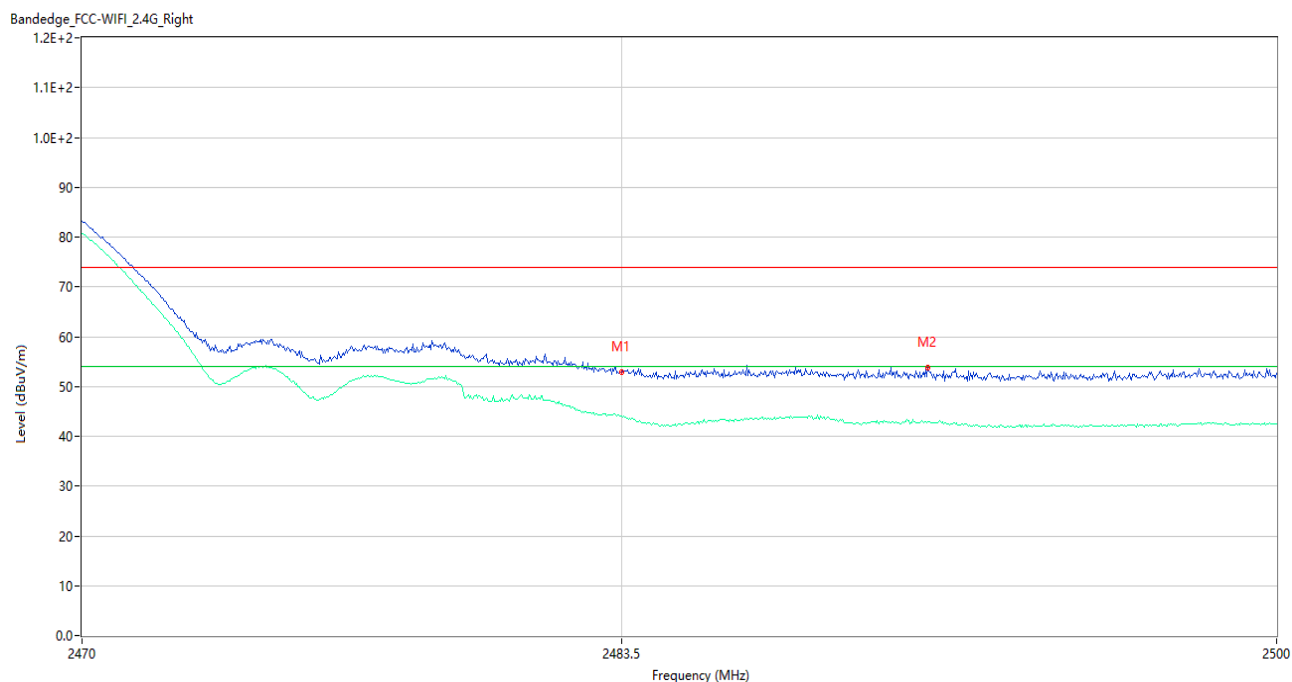
Test Data and Plots

802.11b LOW CHANNEL



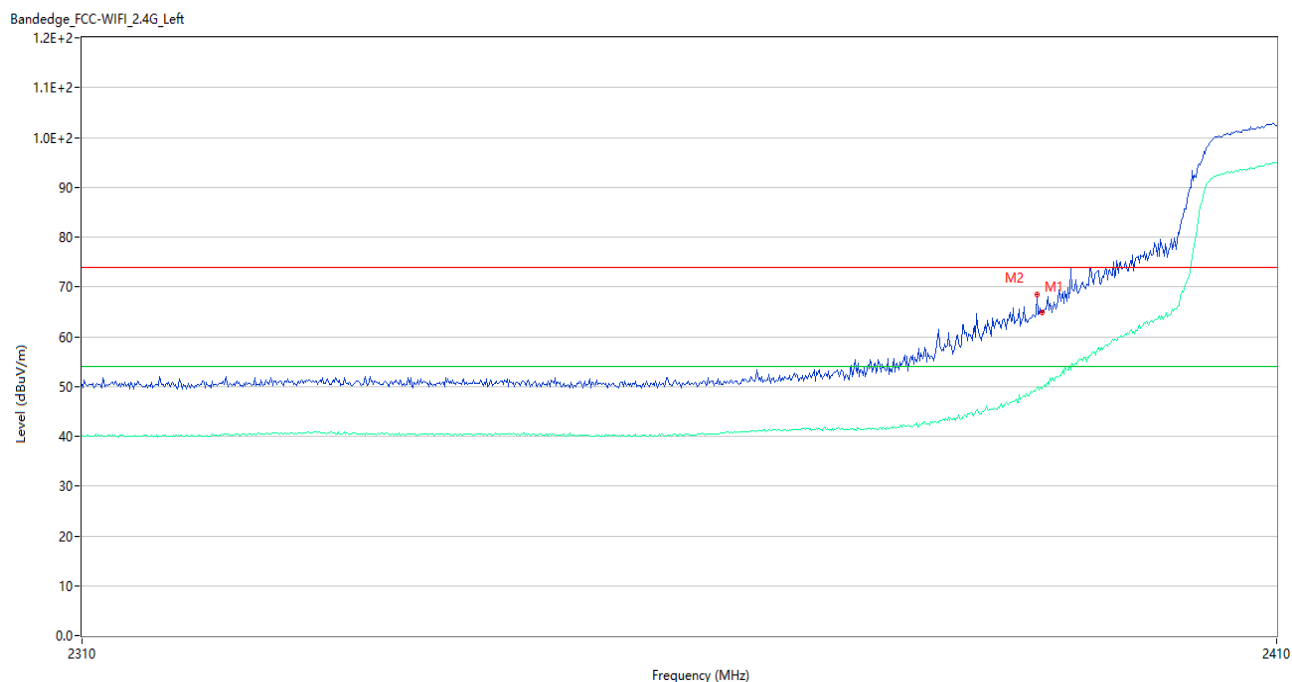
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.82	-4.87	74.0	23.18	Peak	150.99	150	Vertical	Pass
1**	2390.000	40.91	-4.87	54.0	13.09	AV	150.99	150	Vertical	Pass
2	2355.000	51.68	-5.03	74.0	22.32	Peak	360.00	150	Vertical	Pass
2**	2355.000	40.14	-5.03	54.0	13.86	AV	360.00	150	Vertical	Pass

802.11b HIGH CHANNEL



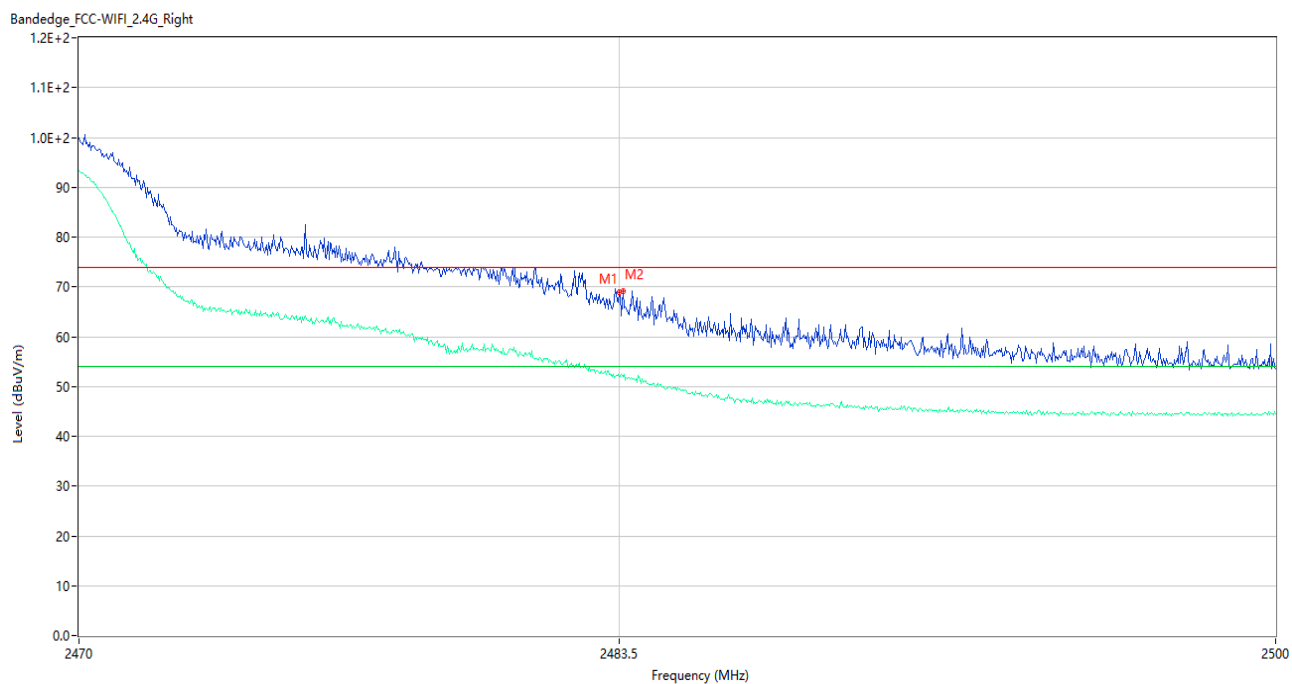
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.83	-3.78	74.0	21.17	Peak	161.00	150	Vertical	Pass
1**	2483.500	44.06	-3.78	54.0	9.94	AV	161.00	150	Vertical	Pass
2	2491.210	53.85	-3.85	74.0	20.15	Peak	313.00	150	Vertical	Pass
2**	2491.210	42.84	-3.85	54.0	11.16	AV	313.00	150	Vertical	Pass

802.11g LOW CHANNEL



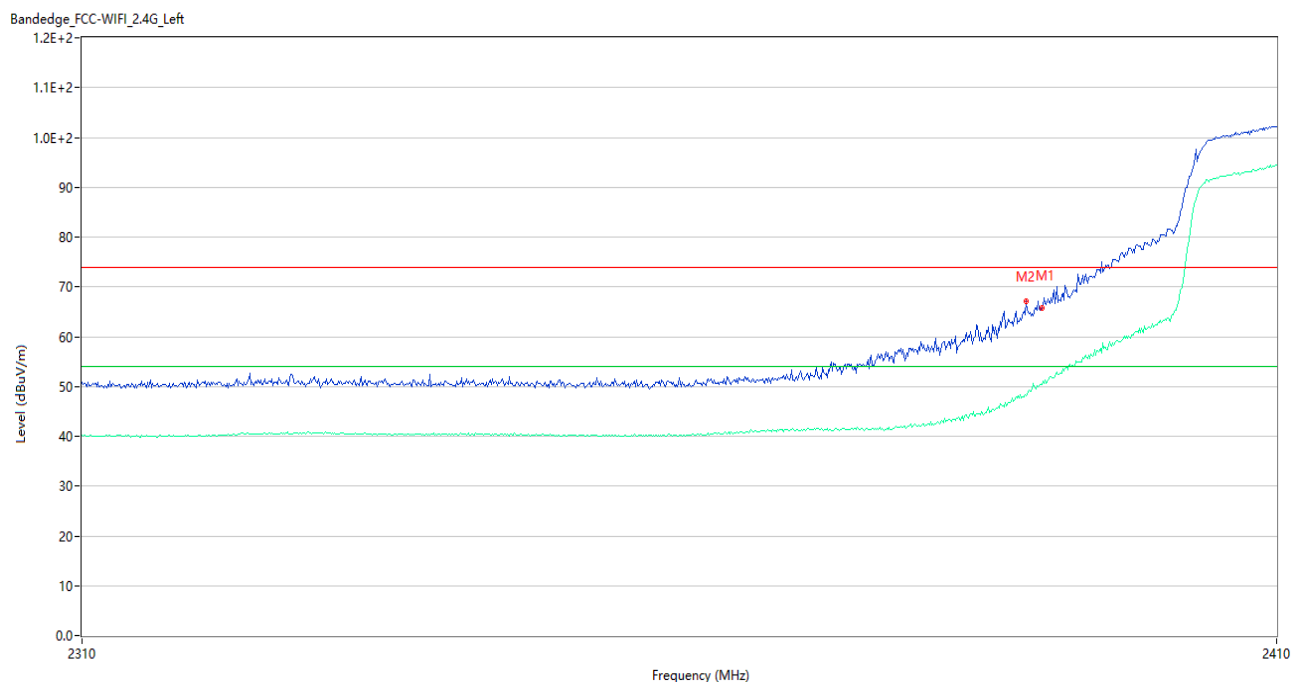
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.87	-4.87	74.0	9.13	Peak	169.20	150	Vertical	Pass
1**	2390.000	49.52	-4.87	54.0	4.48	AV	169.20	150	Vertical	Pass
2	2389.600	68.39	-4.85	74.0	5.61	Peak	152.00	150	Vertical	Pass
2**	2389.600	49.61	-4.85	54.0	4.39	AV	152.00	150	Vertical	Pass

802.11g HIGH CHANNEL



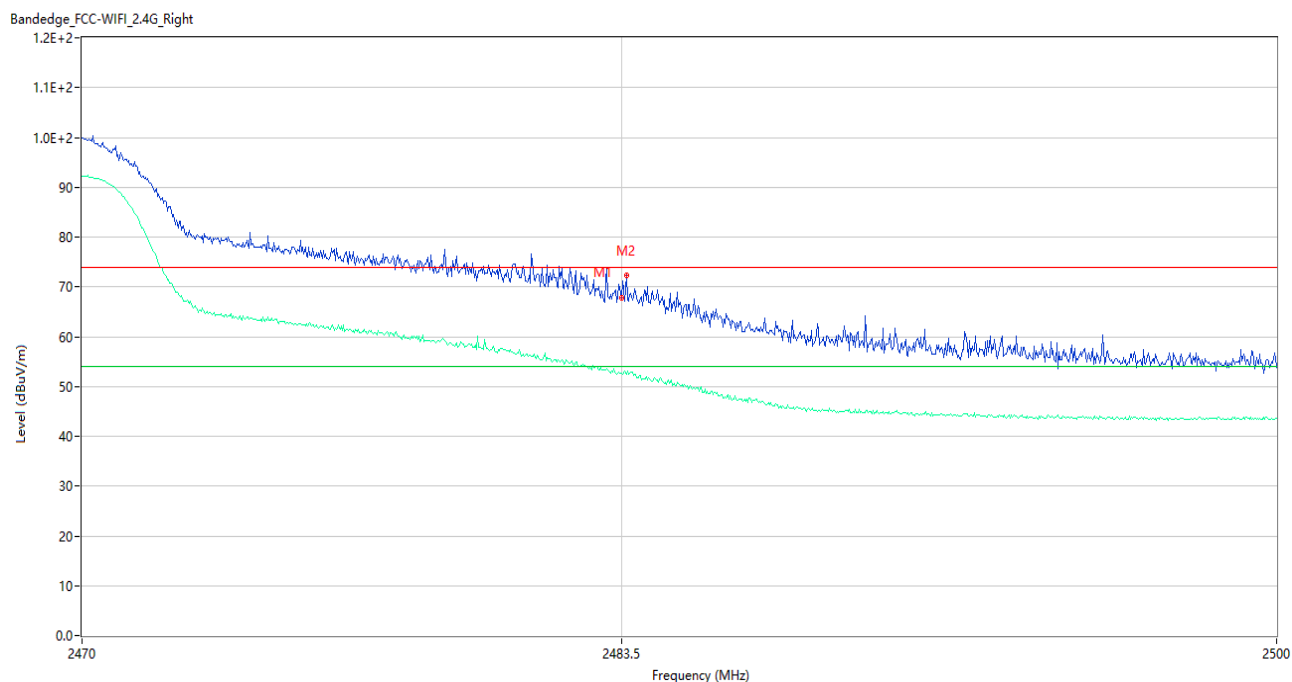
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.94	-3.78	74.0	5.06	Peak	328.00	150	Vertical	Pass
1**	2483.500	51.97	-3.78	54.0	2.03	AV	328.00	150	Vertical	Pass
2	2483.590	69.06	-3.78	74.0	4.94	Peak	334.00	150	Vertical	Pass
2**	2483.590	52.00	-3.78	54.0	2.00	AV	334.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



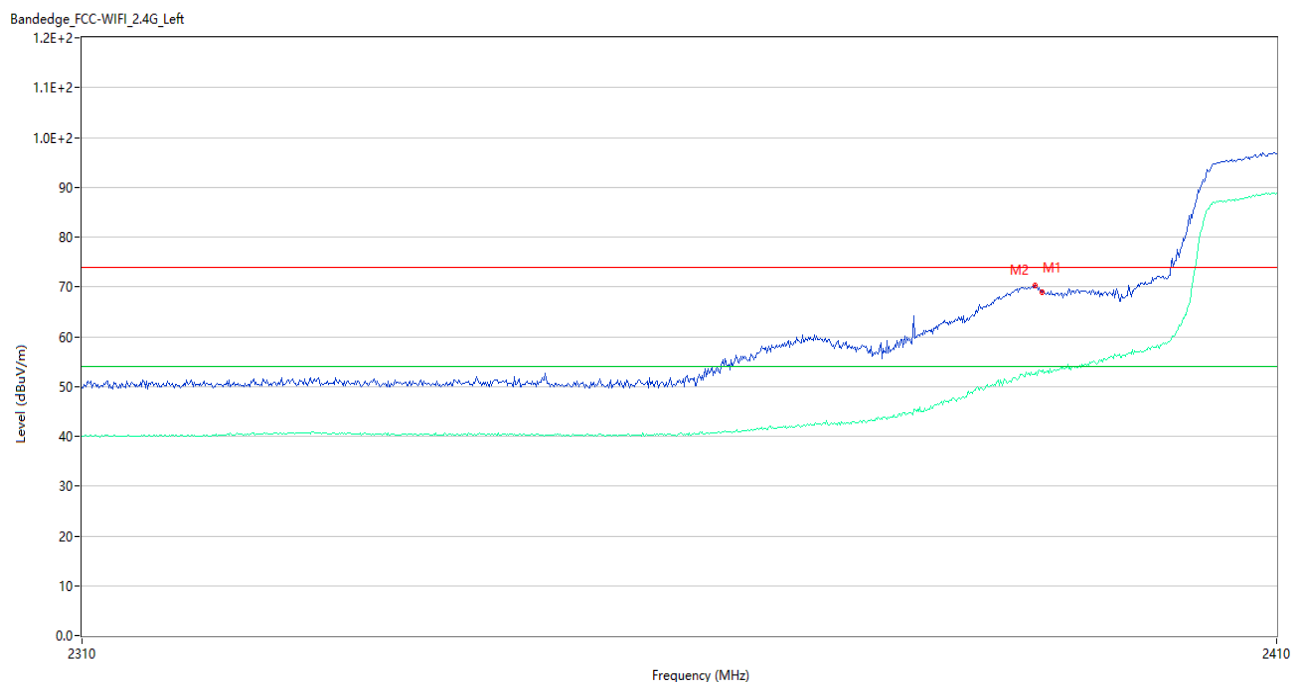
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	65.67	-4.87	74.0	8.33	Peak	329.98	150	Vertical	Pass
1**	2390.000	50.47	-4.87	54.0	3.53	AV	329.98	150	Vertical	Pass
2	2388.700	67.13	-4.80	74.0	6.87	Peak	146.00	150	Vertical	Pass
2**	2388.700	48.06	-4.80	54.0	5.94	AV	146.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



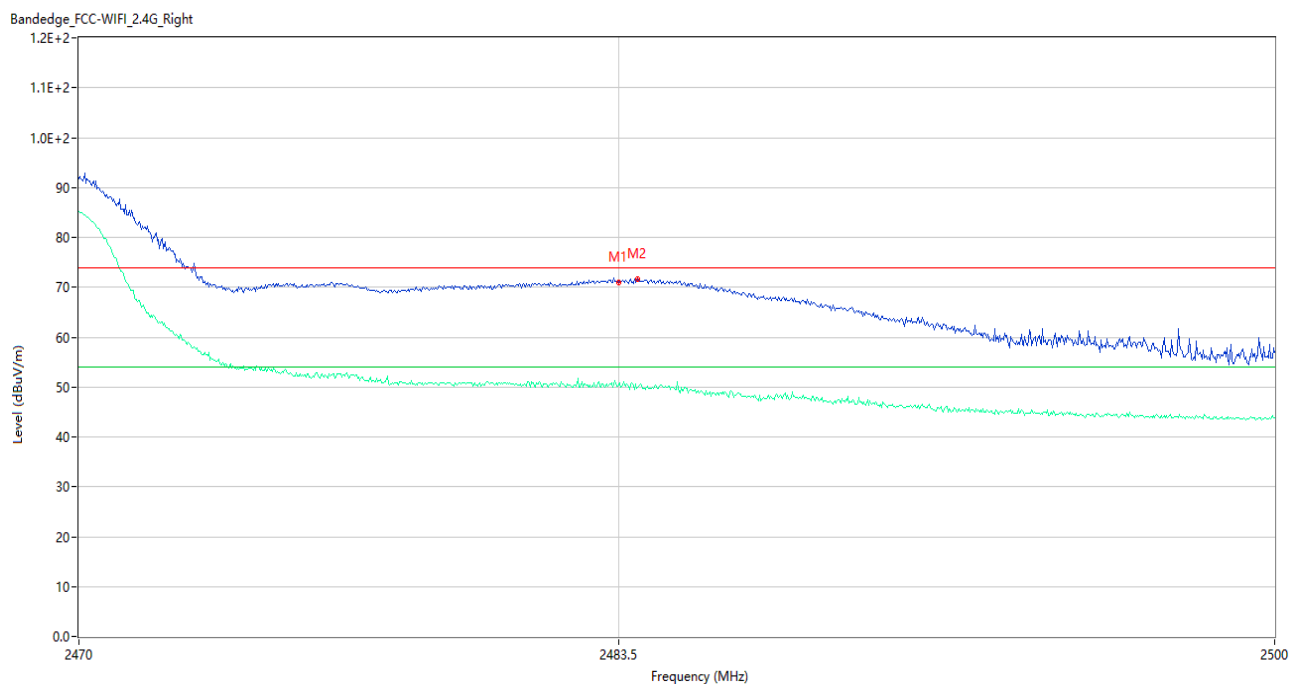
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.94	-3.78	74.0	7.06	Peak	101.00	150	Vertical	Pass
1**	2483.500	52.17	-3.78	54.0	1.83	AV	101.00	150	Vertical	Pass
2	2483.620	72.34	-3.78	74.0	1.66	Peak	153.00	150	Vertical	Pass
2**	2483.620	52.48	-3.78	54.0	1.52	AV	153.00	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	68.92	-4.87	74.0	5.08	Peak	327.00	150	Vertical	Pass
1**	2390.000	52.88	-4.87	54.0	1.12	AV	327.00	150	Vertical	Pass
2	2389.400	70.26	-4.84	74.0	3.74	Peak	329.00	150	Vertical	Pass
2**	2389.400	52.47	-4.84	54.0	1.53	AV	329.00	150	Vertical	Pass

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	70.92	-3.78	74.0	3.08	Peak	326.00	150	Vertical	Pass
1**	2483.500	50.48	-3.78	54.0	3.52	AV	326.00	150	Vertical	Pass
2	2483.980	71.60	-3.78	74.0	2.40	Peak	139.00	150	Vertical	Pass
2**	2483.980	50.05	-3.78	54.0	3.95	AV	139.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.22	8
Middle	-3.93	8
High	-3.84	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.62	8
Middle	-7.53	8
High	-6.36	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.70	8
Middle	-7.66	8
High	-6.92	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.78	8
Middle	-12.29	8
High	-12.22	8

Test Plots

802.11b LOW CHANNEL



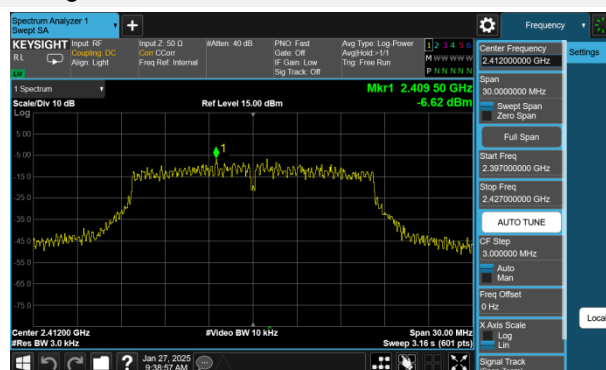
802.11b MIDDLE CHANNEL



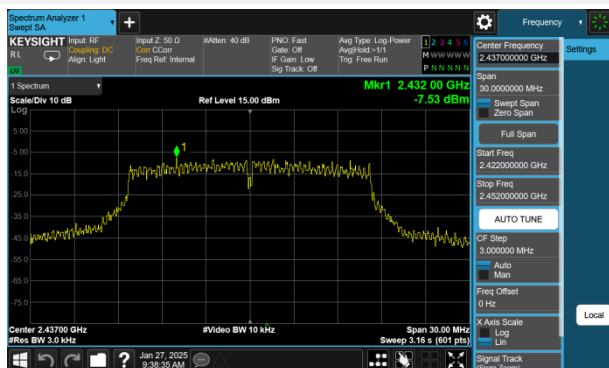
802.11b HIGH CHANNEL



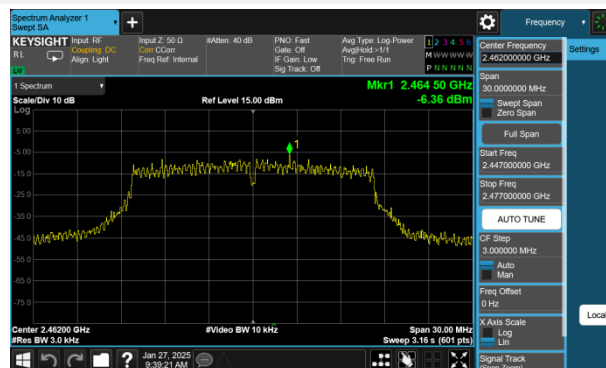
802.11g LOW CHANNEL



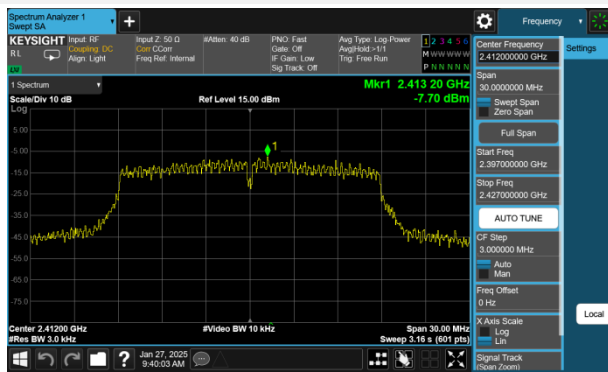
802.11g MIDDLE CHANNEL



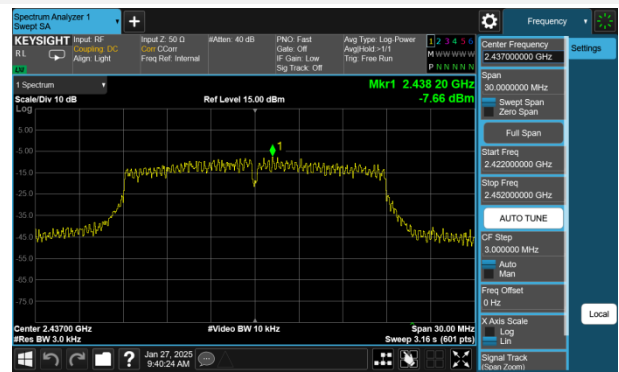
802.11g HIGH CHANNEL



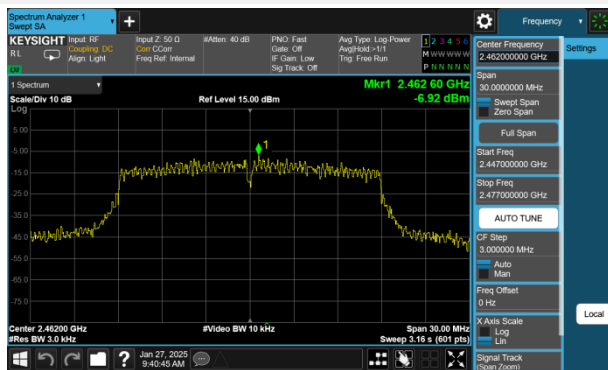
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



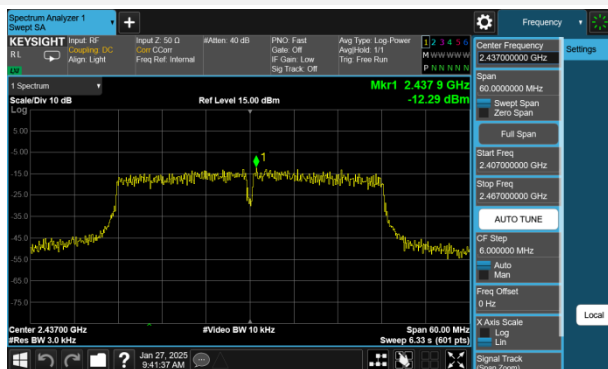
802.11n-20 MHz HIGH CHANNEL



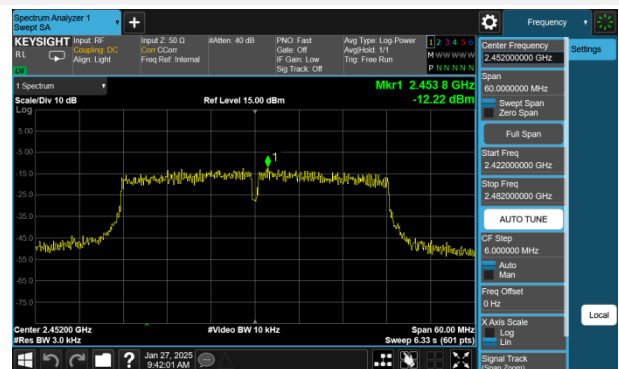
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2510034-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2510034-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2510034-AI.PDF”.

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--END OF REPORT--