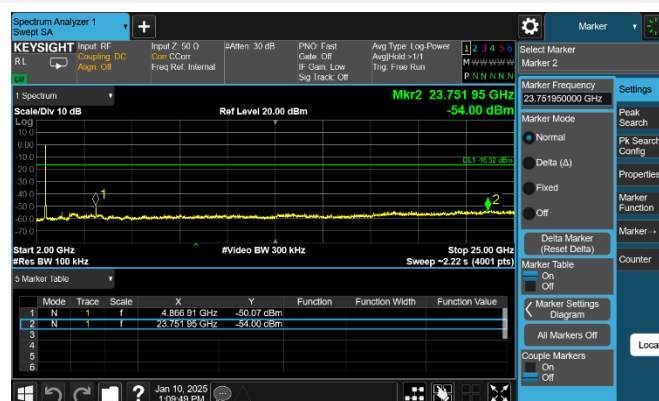
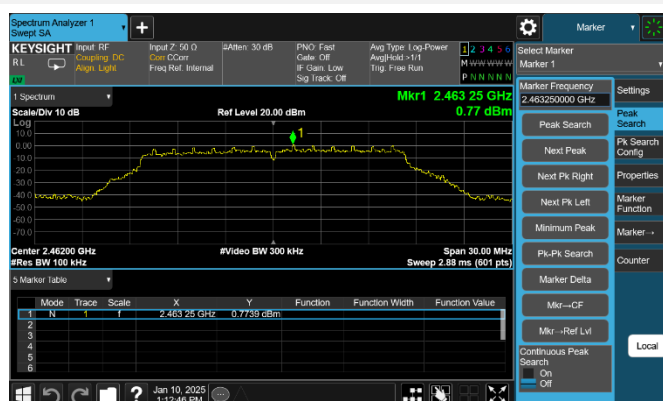
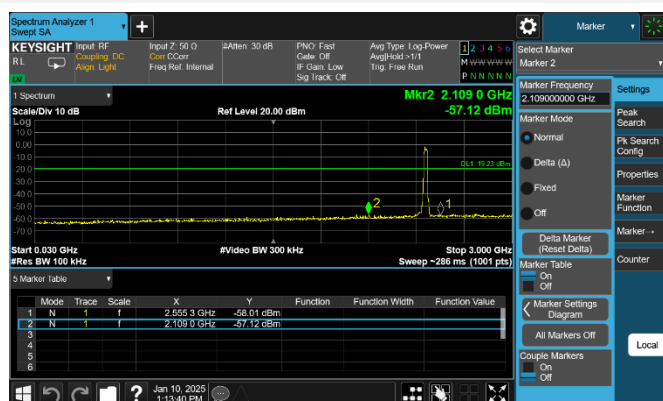
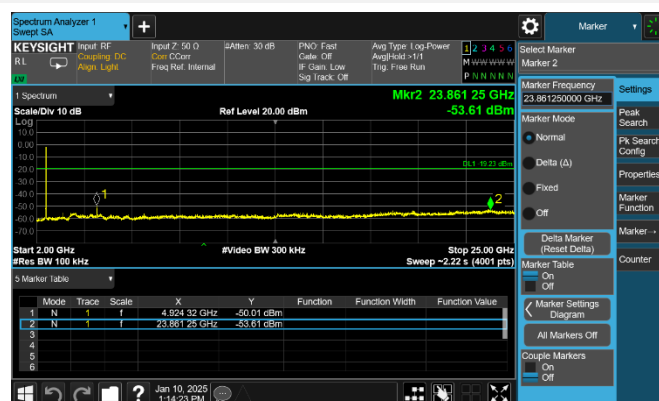


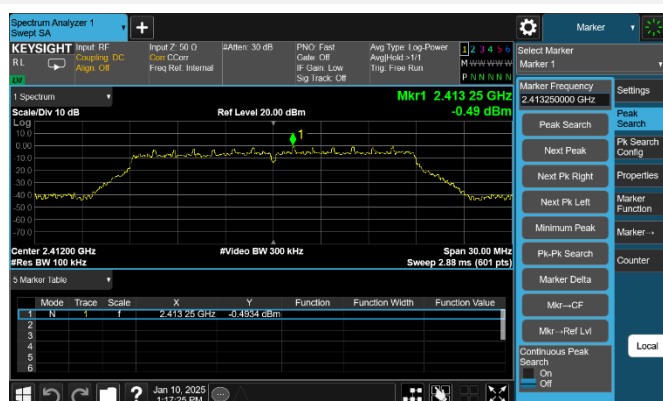
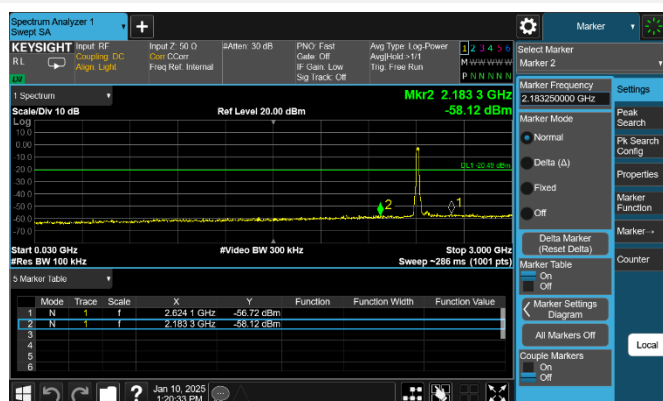
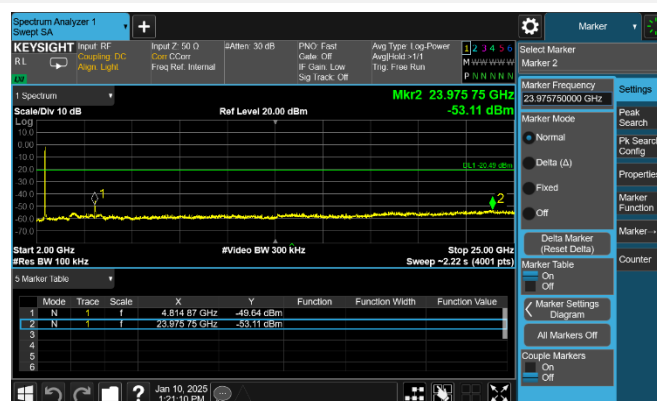
802.11g MIDDLE CHANNEL CARRIER LEVEL

802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

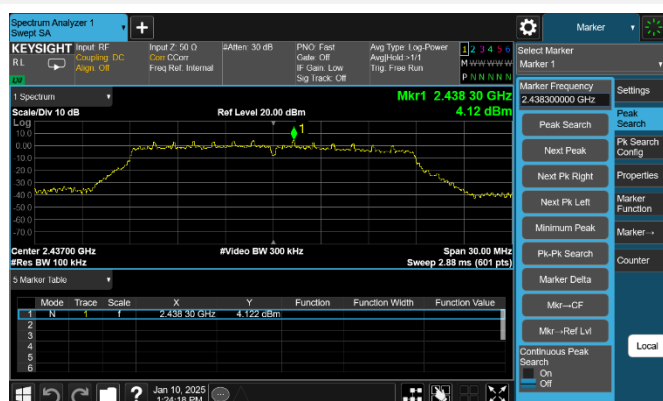
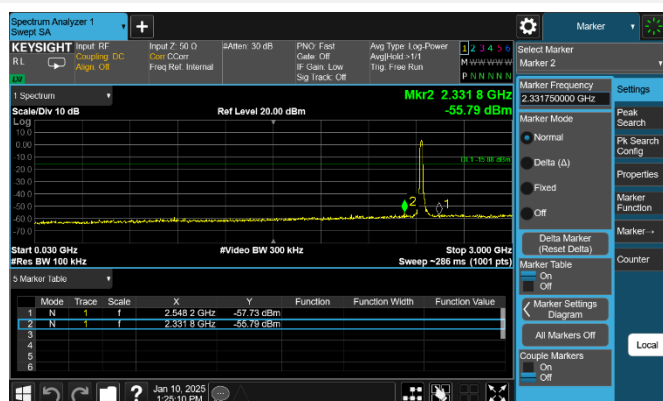
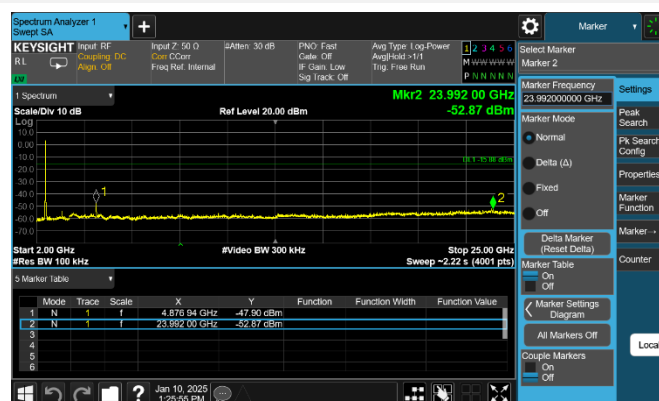
802.11g HIGH CHANNEL CARRIER LEVEL

802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

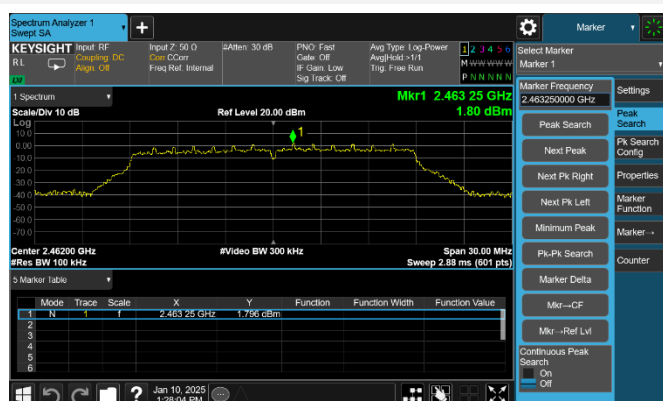
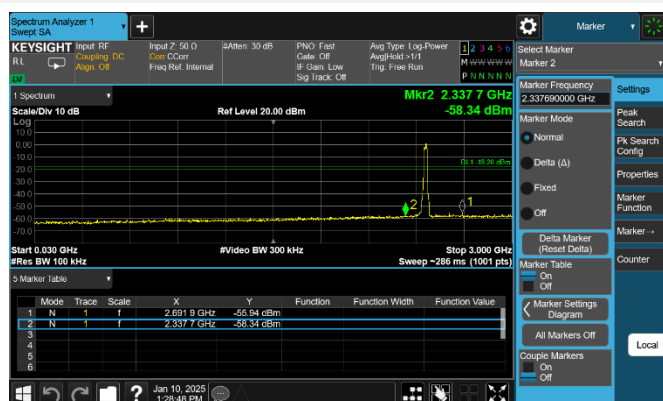
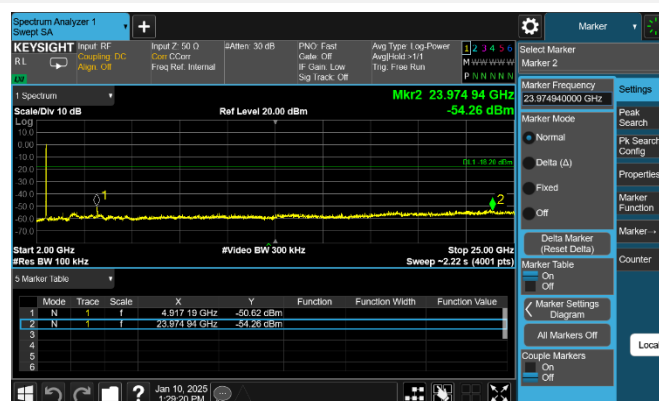
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

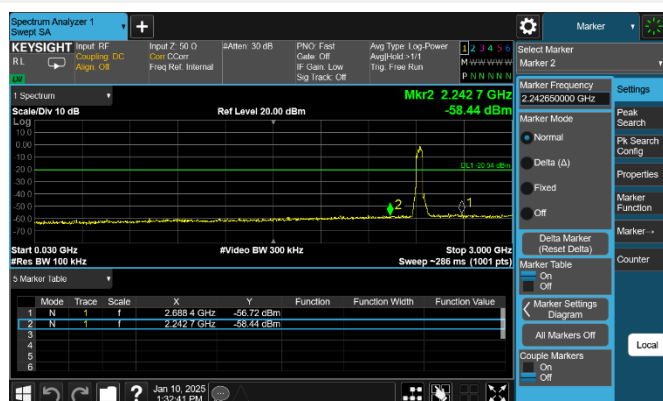
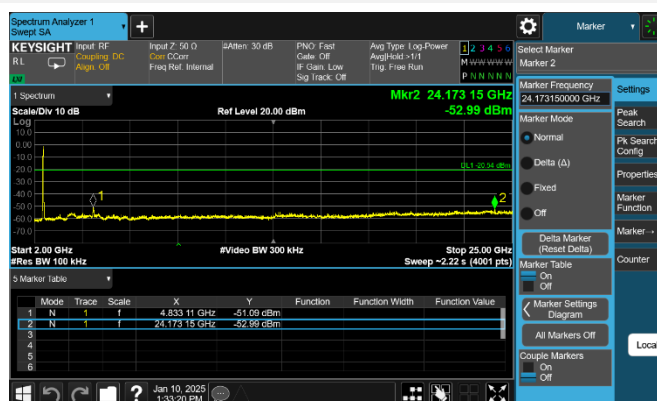
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL

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

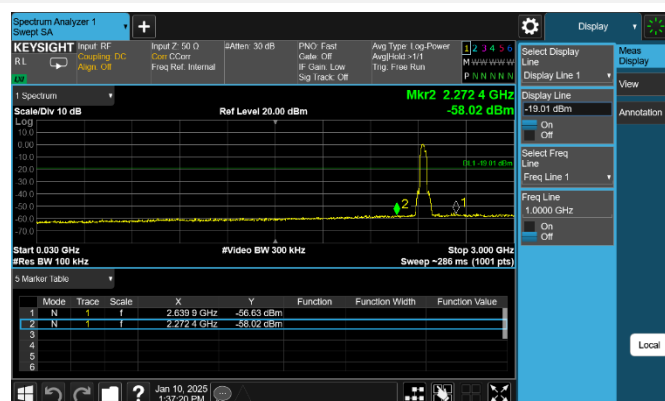
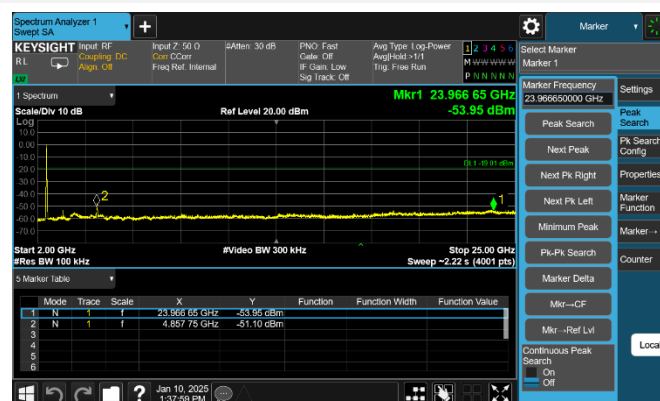
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

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

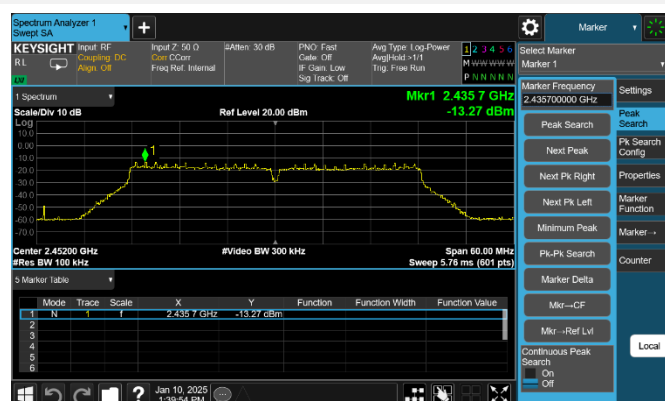
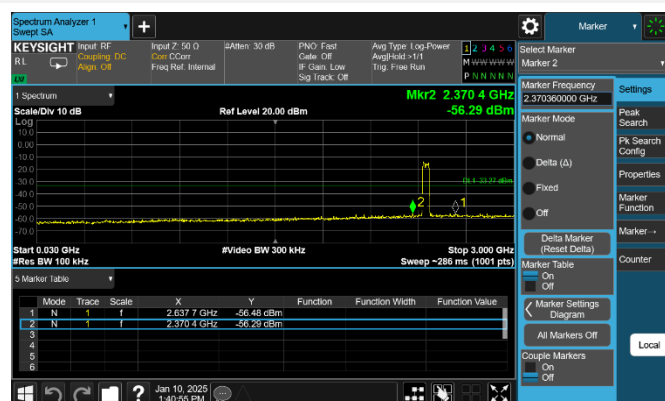
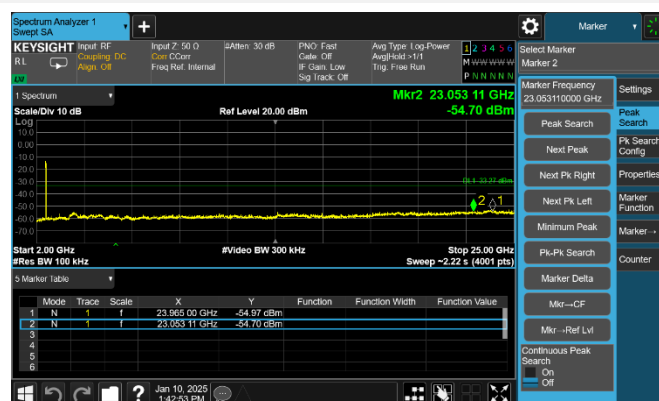
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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 GHz802.11n-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 GHz802.11n-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	-52.65	-6.00	-26.00	Pass
High	-59.27	-3.64	-23.64	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-41.85	-1.55	-21.55	Pass
High	-53.00	0.77	-19.23	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.07	-0.49	-20.49	Pass
High	-49.97	1.80	-18.20	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.74	-0.54	-20.54	Pass
High	-59.25	-13.27	-33.27	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



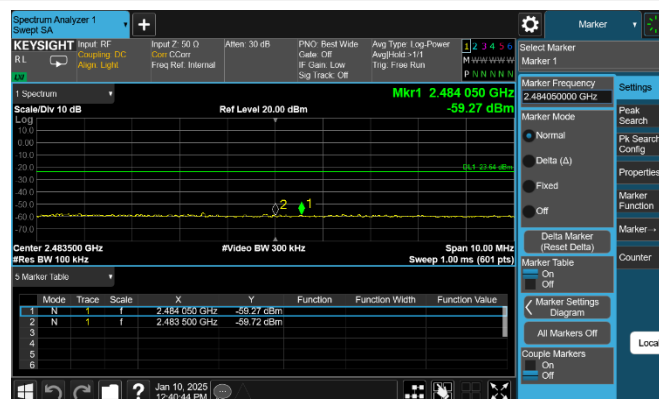
802.11b LOW CHANNEL, BAND EDGE



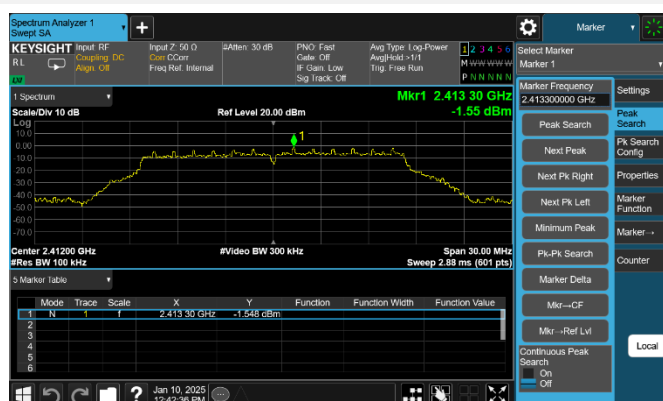
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



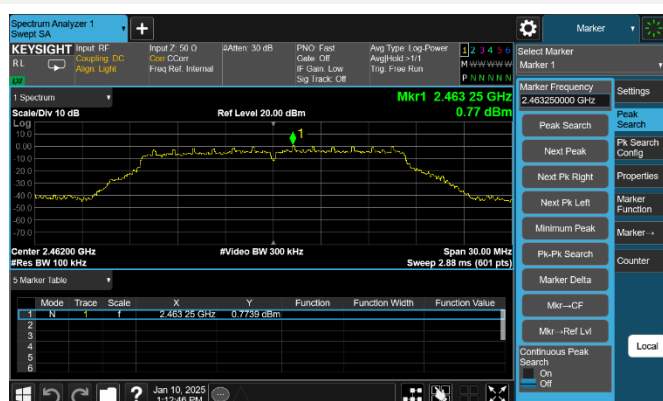
802.11g LOW CHANNEL, CARRIER LEVEL



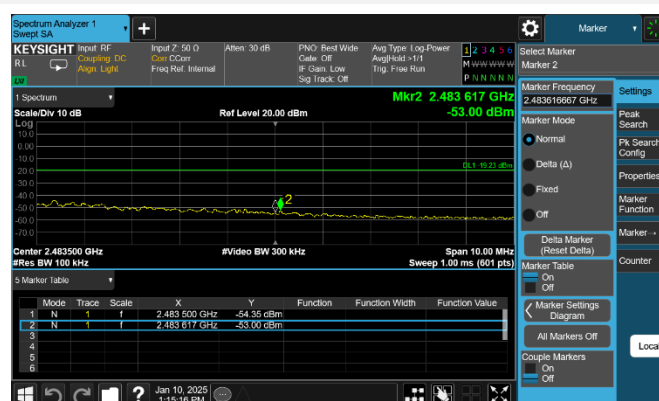
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



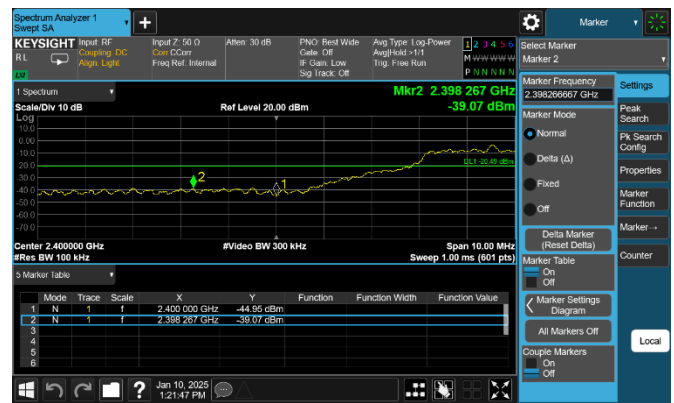
802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



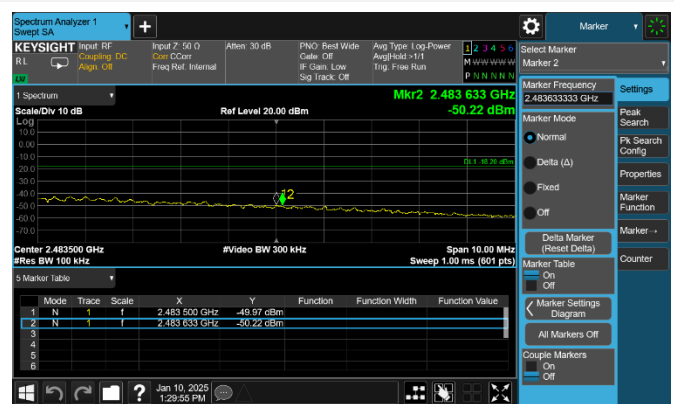
802.11n-20 MHz LOW CHANNEL, BAND EDGE



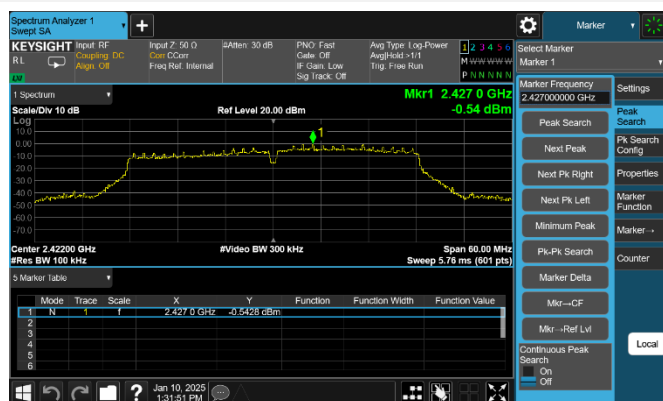
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



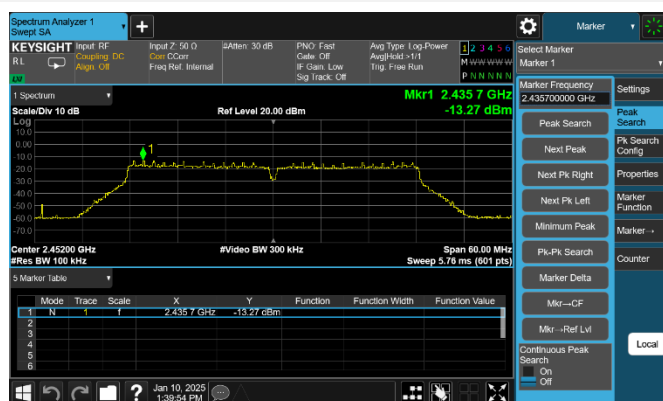
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



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

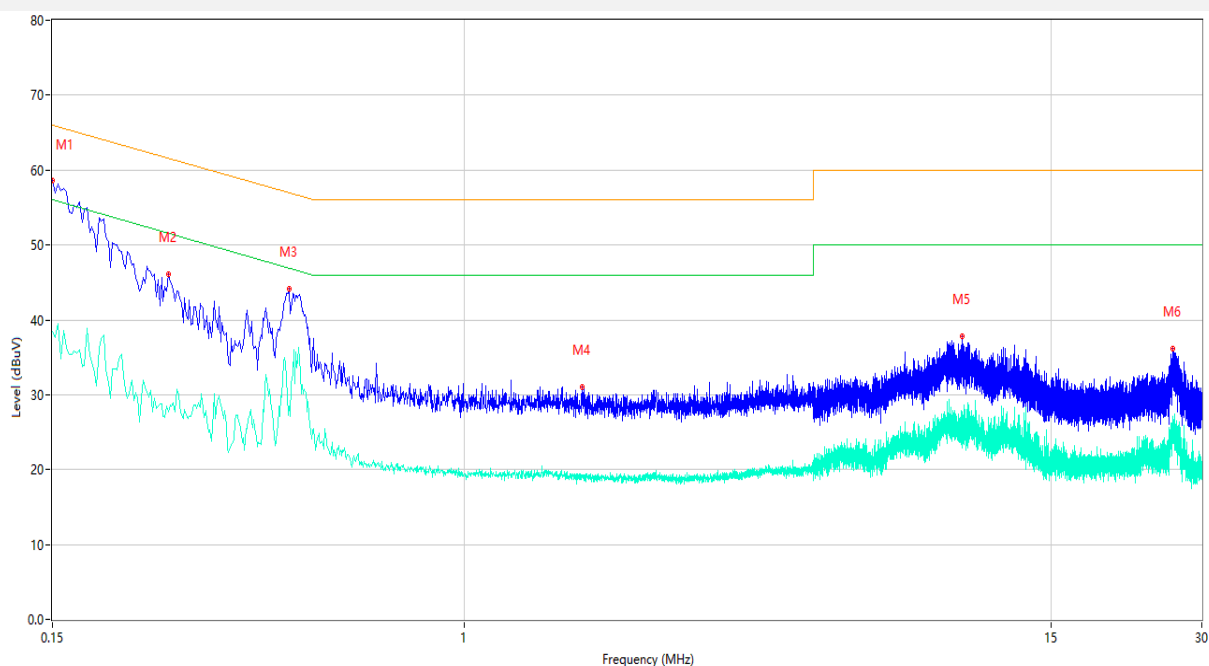
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

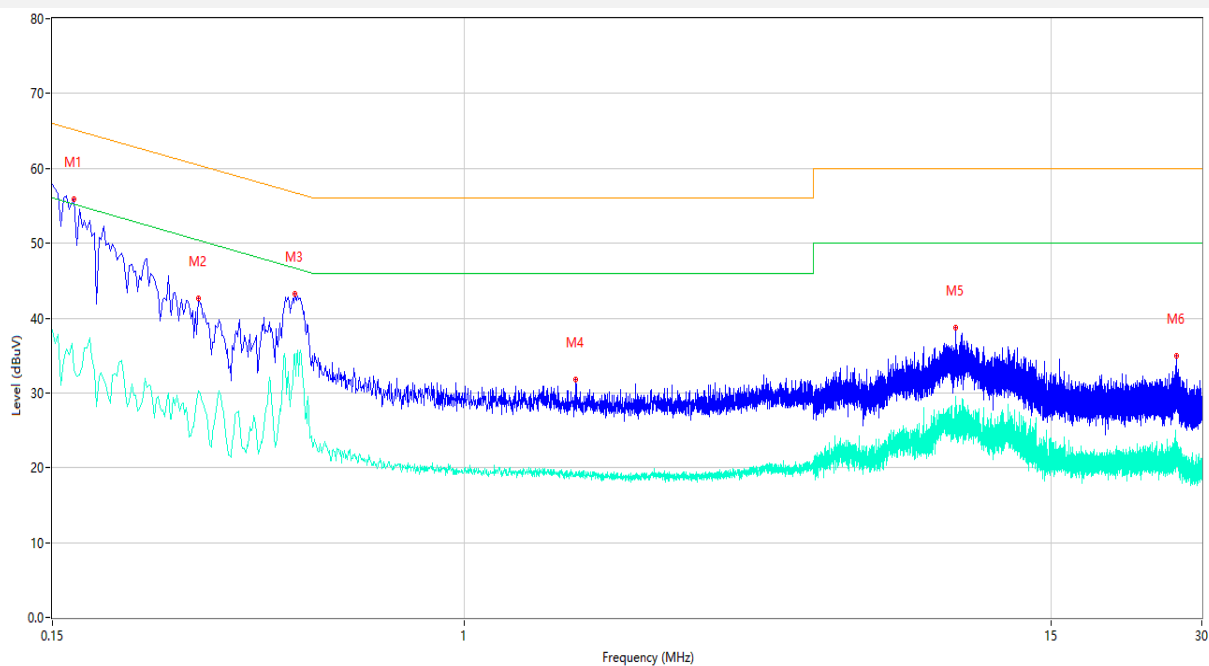
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.150	58.63	9.75	66.00	7.37	Peak	L	Pass
1**	0.150	38.36	9.75	56.00	17.64	AV	L	Pass
2	0.256	46.12	9.74	61.56	15.44	Peak	L	Pass
2**	0.256	27.68	9.74	51.56	23.88	AV	L	Pass
3	0.446	44.22	9.74	56.95	12.73	Peak	L	Pass
3**	0.446	28.54	9.74	46.95	18.41	AV	L	Pass
4	1.724	31.03	9.69	56.00	24.97	Peak	L	Pass
4**	1.724	19.35	9.69	46.00	26.65	AV	L	Pass
5	9.922	37.80	9.48	60.00	22.20	Peak	L	Pass
5**	9.922	27.47	9.48	50.00	22.53	AV	L	Pass
6	26.270	36.11	8.80	60.00	23.89	Peak	L	Pass
6**	26.270	27.12	8.80	50.00	22.88	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.166	55.91	9.75	65.16	9.25	Peak	N	Pass
1**	0.166	33.11	9.75	55.16	22.05	AV	N	Pass
2	0.294	42.57	9.74	60.41	17.84	Peak	N	Pass
2**	0.294	30.21	9.74	50.41	20.20	AV	N	Pass
3	0.458	43.28	9.74	56.73	13.45	Peak	N	Pass
3**	0.458	35.23	9.74	46.73	11.50	AV	N	Pass
4	1.670	31.81	9.69	56.00	24.19	Peak	N	Pass
4**	1.670	19.33	9.69	46.00	26.67	AV	N	Pass
5	9.632	38.69	9.49	60.00	21.31	Peak	N	Pass
5**	9.632	29.30	9.49	50.00	20.70	AV	N	Pass
6	26.688	34.96	8.79	60.00	25.04	Peak	N	Pass
6**	26.688	23.04	8.79	50.00	26.96	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.

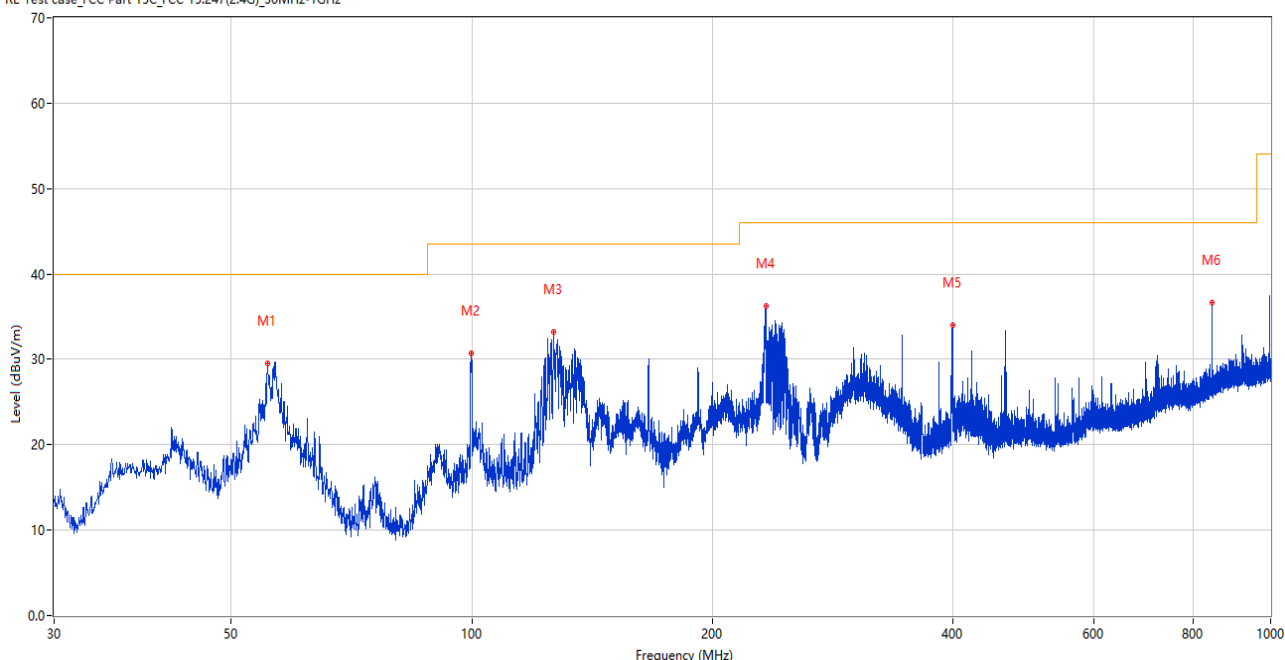
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

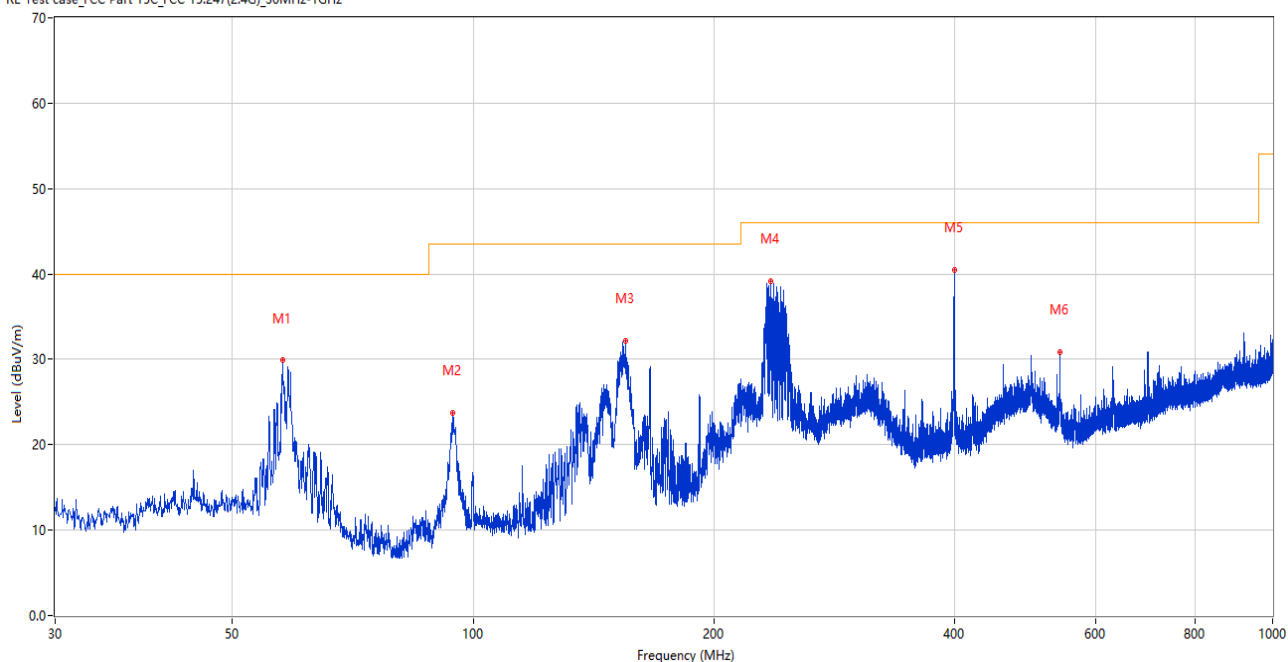
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	55.559	29.52	-25.15	40.0	10.48	Peak	181.00	200	Horizontal	Pass
2	99.888	30.77	-26.12	43.5	12.73	Peak	78.00	200	Horizontal	Pass
3	126.660	33.20	-28.86	43.5	10.30	Peak	47.00	100	Horizontal	Pass
4	233.312	36.22	-24.81	46.0	9.78	Peak	329.00	200	Horizontal	Pass
5	399.570	34.05	-20.43	46.0	11.95	Peak	173.00	100	Horizontal	Pass
6	844.800	36.64	-10.55	46.0	9.36	Peak	55.00	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	57.791	29.86	-25.61	40.0	10.14	Peak	99.00	100	Vertical	Pass
2	94.311	23.75	-26.93	43.5	19.75	Peak	258.00	100	Vertical	Pass
3	155.130	32.14	-29.24	43.5	11.36	Peak	246.00	100	Vertical	Pass
4	235.495	39.14	-24.68	46.0	6.86	Peak	286.00	200	Vertical	Pass
5	399.861	40.44	-20.43	46.0	5.56	Peak	197.00	100	Vertical	Pass
6	542.015	30.87	-17.03	46.0	15.13	Peak	0.00	100	Vertical	Pass

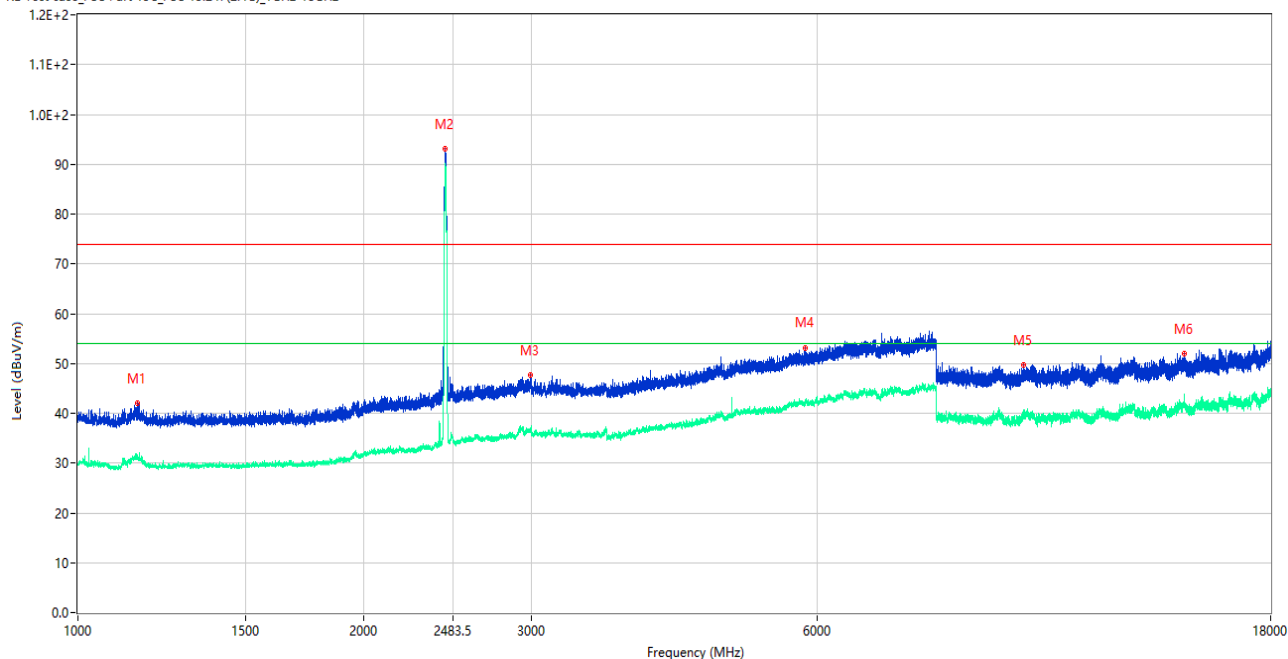
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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.

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

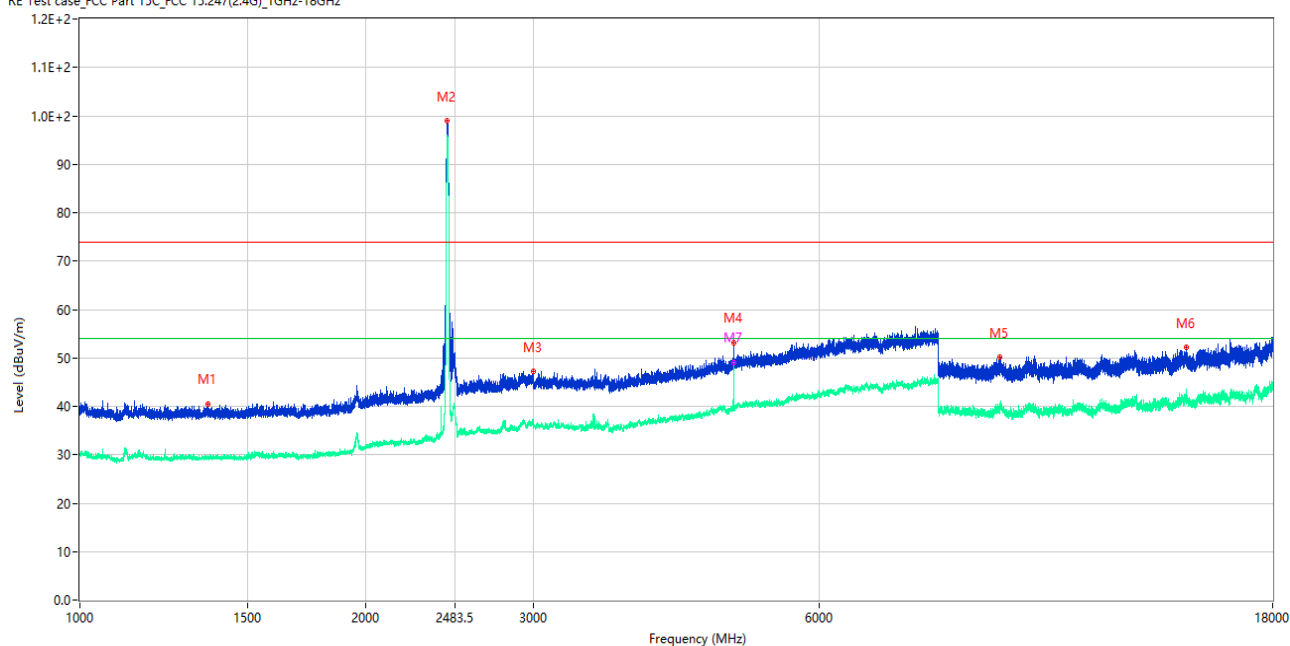
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.500	41.99	-14.64	74.0	32.01	Peak	103.00	150	Horizontal	Pass
1**	1156.500	31.72	-14.64	54.0	22.28	AV	103.00	150	Horizontal	Pass
2	2435.750	93.06	-11.28	74.0	-19.06	Peak	255.00	150	Horizontal	N/A
2**	2435.750	90.10	-11.28	54.0	-36.10	AV	255.00	150	Horizontal	N/A
3	2996.500	47.68	-7.55	74.0	26.32	Peak	296.00	150	Horizontal	Pass
3**	2996.500	36.76	-7.55	54.0	17.24	AV	296.00	150	Horizontal	Pass
4	5828.000	53.21	0.78	74.0	20.79	Peak	0.00	150	Horizontal	Pass
4**	5828.000	42.05	0.78	54.0	11.95	AV	0.00	150	Horizontal	Pass
5	9890.500	49.65	-1.11	74.0	24.35	Peak	5.00	150	Horizontal	Pass
5**	9890.500	39.35	-1.11	54.0	14.65	AV	5.00	150	Horizontal	Pass
6	14591.500	52.05	1.34	74.0	21.95	Peak	112.00	150	Horizontal	Pass
6**	14591.500	43.02	1.34	54.0	10.98	AV	112.00	150	Horizontal	Pass

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

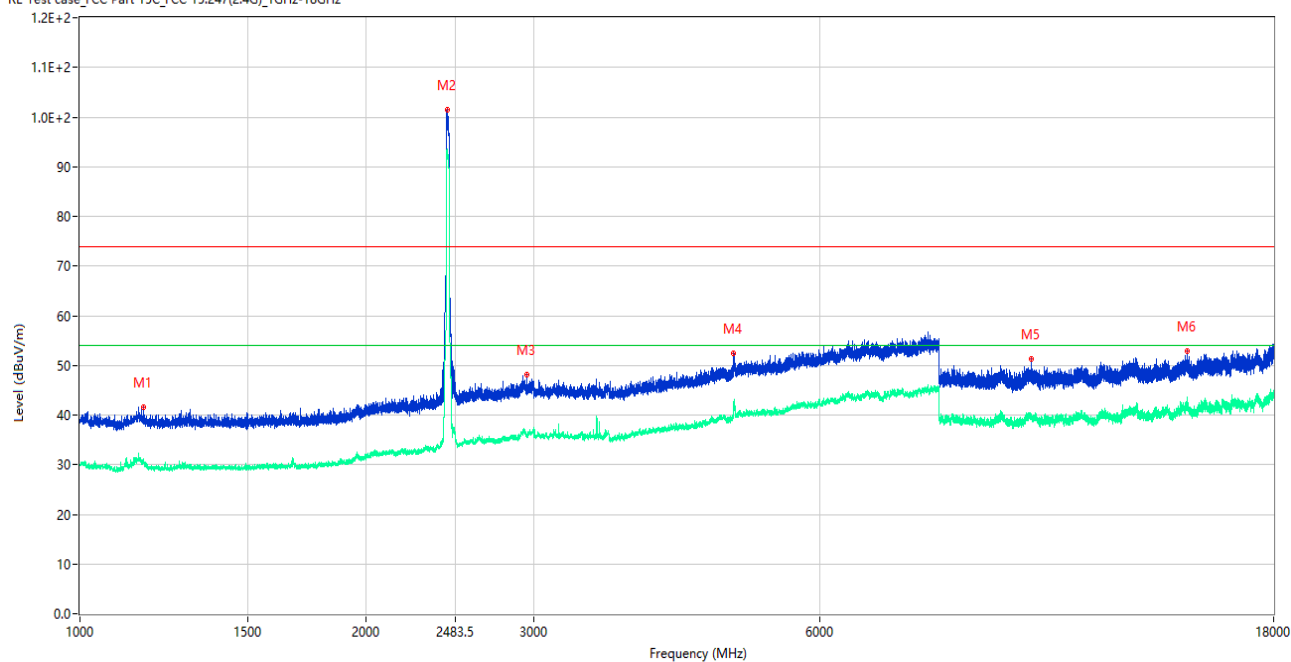
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1362.250	40.55	-14.93	74.0	33.45	Peak	114.00	150	Vertical	Pass
1**	1362.250	29.55	-14.93	54.0	24.45	AV	114.00	150	Vertical	Pass
2	2435.750	99.01	-11.28	74.0	-25.01	Peak	2.00	150	Vertical	N/A
2**	2435.750	95.97	-11.28	54.0	-41.97	AV	2.00	150	Vertical	N/A
3	2998.750	47.21	-7.47	74.0	26.79	Peak	0.00	150	Vertical	Pass
3**	2998.750	36.94	-7.47	54.0	17.06	AV	0.00	150	Vertical	Pass
4	4874.000	53.21	-1.30	74.0	20.79	Peak	302.00	150	Vertical	Pass
4**	4874.000	47.09	-1.30	54.0	6.91	AV	302.00	150	Vertical	Pass
5	9297.000	50.19	-1.92	74.0	23.81	Peak	11.00	150	Vertical	Pass
5**	9297.000	39.57	-1.92	54.0	14.43	AV	11.00	150	Vertical	Pass
6	14594.500	52.09	1.06	74.0	21.91	Peak	360.00	150	Vertical	Pass
6**	14594.500	43.28	1.06	54.0	10.72	AV	360.00	150	Vertical	Pass
7	4874.500	52.11	-1.32	74.0	21.89	Peak	321.00	150	Vertical	Pass
7**	4874.500	49.15	-1.32	54.0	4.85	AV	321.00	150	Vertical	Pass

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

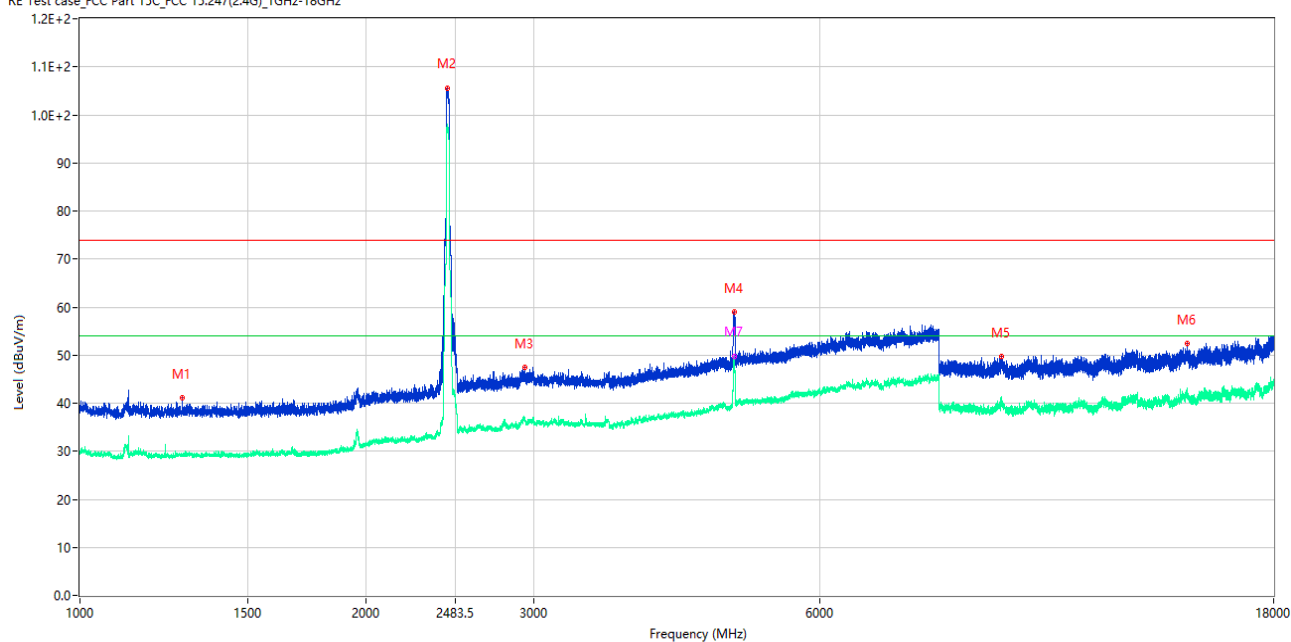
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.500	41.55	-14.51	74.0	32.45	Peak	90.00	150	Horizontal	Pass
1**	1165.500	30.65	-14.51	54.0	23.35	AV	90.00	150	Horizontal	Pass
2	2434.250	101.37	-11.24	74.0	-27.37	Peak	261.00	150	Horizontal	N/A
2**	2434.250	92.94	-11.24	54.0	-38.94	AV	261.00	150	Horizontal	N/A
3	2948.500	48.22	-7.93	74.0	25.78	Peak	332.00	150	Horizontal	Pass
3**	2948.500	35.84	-7.93	54.0	18.16	AV	332.00	150	Horizontal	Pass
4	4871.000	52.33	-1.24	74.0	21.67	Peak	300.00	150	Horizontal	Pass
4**	4871.000	41.91	-1.24	54.0	12.09	AV	300.00	150	Horizontal	Pass
5	10000.000	51.24	-0.91	74.0	22.76	Peak	235.00	150	Horizontal	Pass
5**	10000.000	39.61	-0.91	54.0	14.39	AV	235.00	150	Horizontal	Pass
6	14591.500	52.83	1.34	74.0	21.17	Peak	87.00	150	Horizontal	Pass
6**	14591.500	42.79	1.34	54.0	11.21	AV	87.00	150	Horizontal	Pass

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

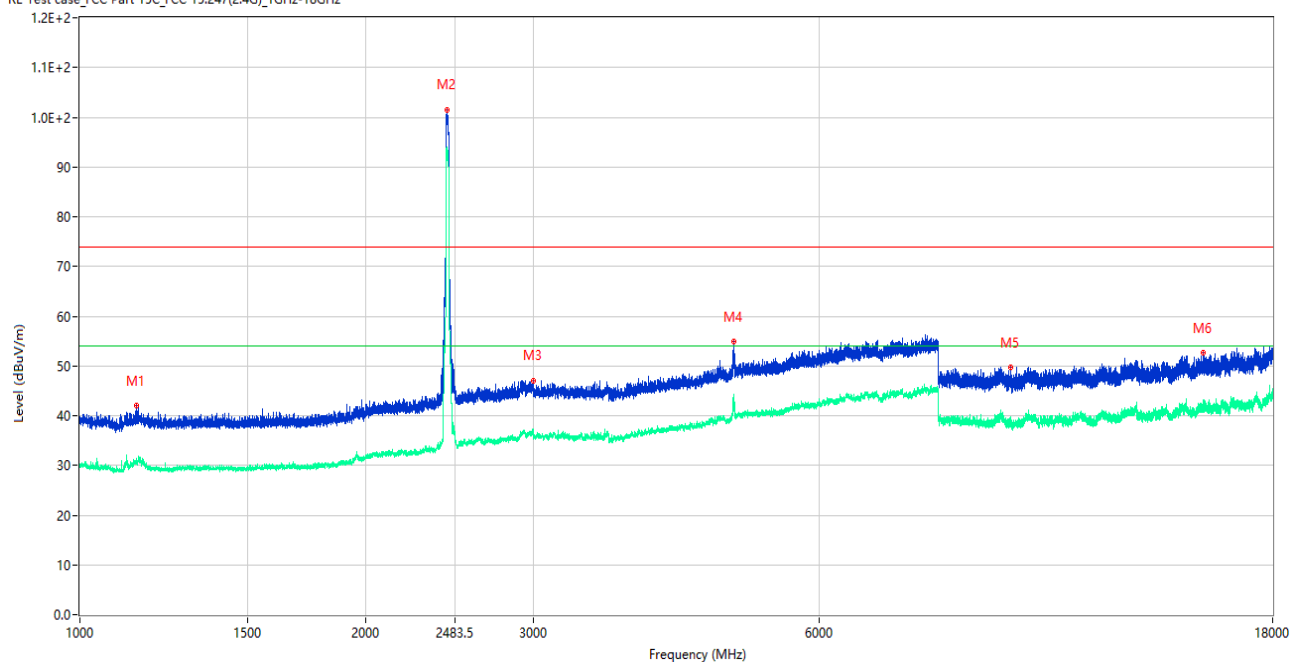
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1280.000	41.03	-14.95	74.0	32.97	Peak	132.00	150	Vertical	Pass
1**	1280.000	29.07	-14.95	54.0	24.93	AV	132.00	150	Vertical	Pass
2	2435.500	105.64	-11.26	74.0	-31.64	Peak	0.00	150	Vertical	N/A
2**	2435.500	97.80	-11.26	54.0	-43.80	AV	0.00	150	Vertical	N/A
3	2939.750	47.53	-7.27	74.0	26.47	Peak	0.00	150	Vertical	Pass
3**	2939.750	36.42	-7.27	54.0	17.58	AV	0.00	150	Vertical	Pass
4	4876.000	59.01	-1.32	74.0	14.99	Peak	339.00	150	Vertical	Pass
4**	4876.000	49.74	-1.32	54.0	4.26	AV	339.00	150	Vertical	Pass
5	9305.500	49.68	-1.83	74.0	24.32	Peak	0.00	150	Vertical	Pass
5**	9305.500	40.43	-1.83	54.0	13.57	AV	0.00	150	Vertical	Pass
6	14587.500	52.47	1.04	74.0	21.53	Peak	98.00	150	Vertical	Pass
6**	14587.500	42.35	1.04	54.0	11.65	AV	98.00	150	Vertical	Pass
7	4877.000	58.82	-1.31	74.0	15.18	Peak	360.00	150	Vertical	Pass
7**	4877.000	49.82	-1.31	54.0	4.18	AV	360.00	150	Vertical	Pass

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

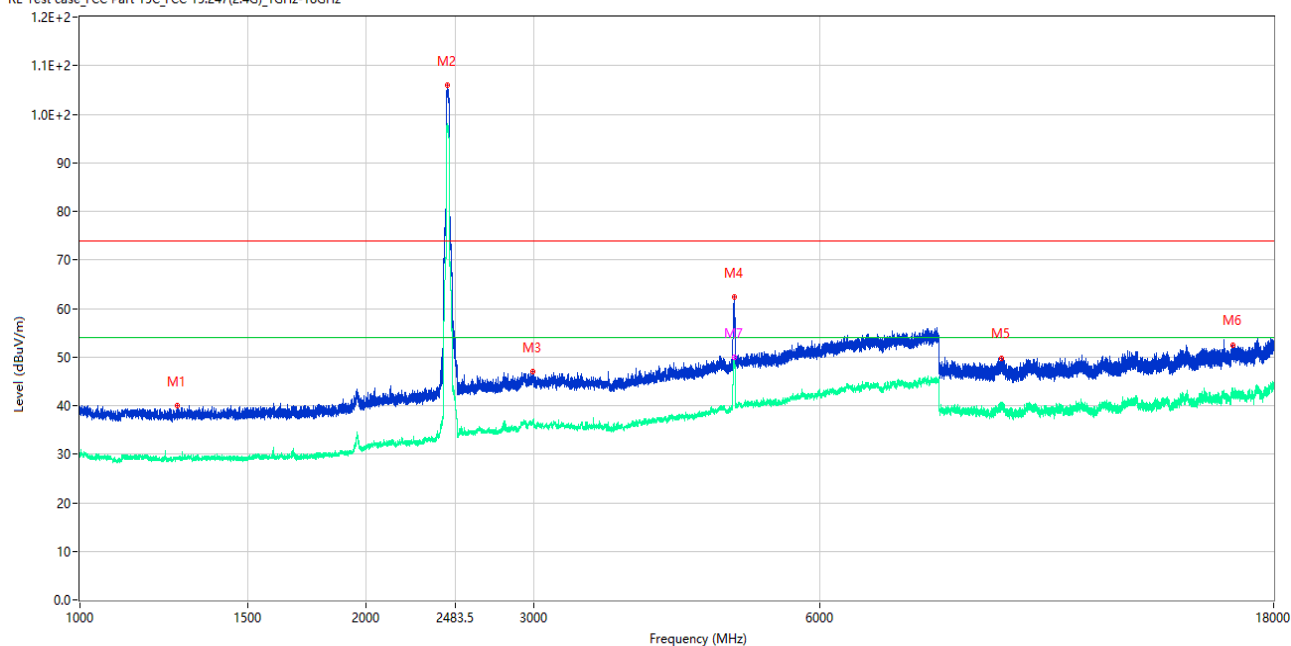
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1148.250	41.94	-14.77	74.0	32.06	Peak	135.00	150	Horizontal	Pass
1**	1148.250	30.71	-14.77	54.0	23.29	AV	135.00	150	Horizontal	Pass
2	2433.500	101.56	-11.22	74.0	-27.56	Peak	257.00	150	Horizontal	N/A
2**	2433.500	93.45	-11.22	54.0	-39.45	AV	257.00	150	Horizontal	N/A
3	2997.500	47.12	-7.52	74.0	26.88	Peak	2.00	150	Horizontal	Pass
3**	2997.500	36.75	-7.52	54.0	17.25	AV	2.00	150	Horizontal	Pass
4	4873.500	54.84	-1.28	74.0	19.16	Peak	297.00	150	Horizontal	Pass
4**	4873.500	43.31	-1.28	54.0	10.69	AV	297.00	150	Horizontal	Pass
5	9548.500	49.75	-0.51	74.0	24.25	Peak	290.00	150	Horizontal	Pass
5**	9548.500	38.79	-0.51	54.0	15.21	AV	290.00	150	Horizontal	Pass
6	15212.500	52.64	1.30	74.0	21.36	Peak	290.00	150	Horizontal	Pass
6**	15212.500	42.03	1.30	54.0	11.97	AV	290.00	150	Horizontal	Pass

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

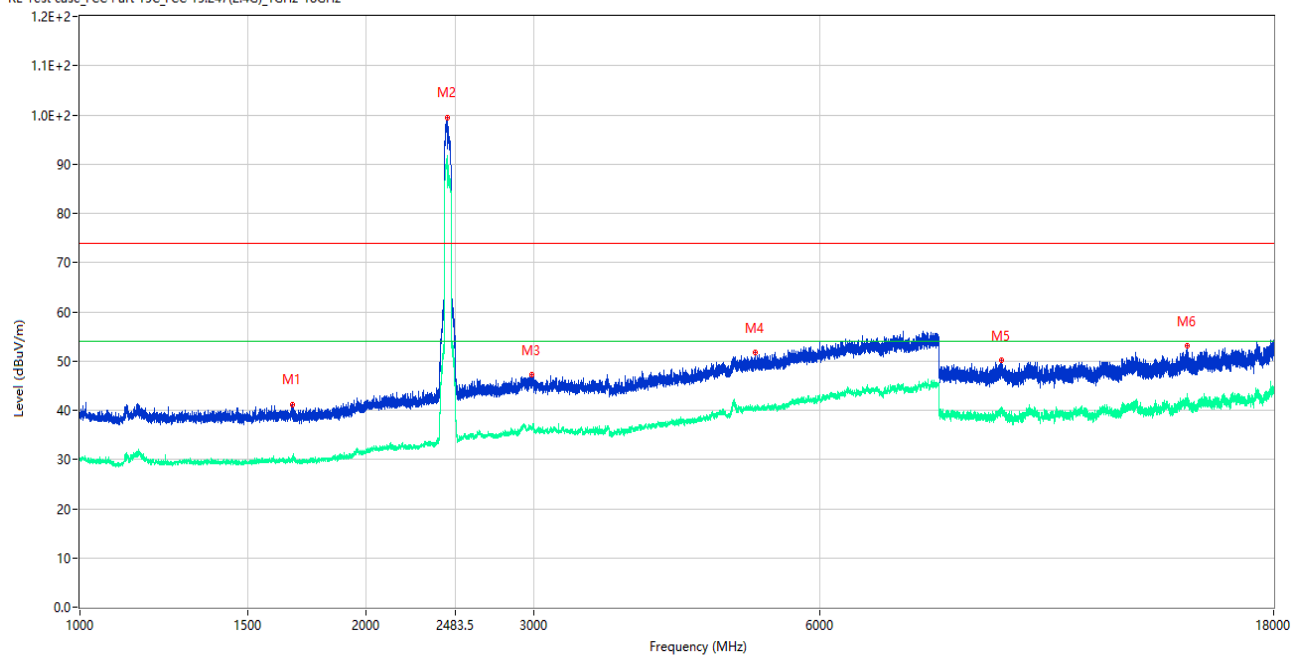
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1266.500	39.95	-15.00	74.0	34.05	Peak	161.00	150	Vertical	Pass
1**	1266.500	28.95	-15.00	54.0	25.05	AV	161.00	150	Vertical	Pass
2	2432.250	105.91	-11.18	74.0	-31.91	Peak	7.00	150	Vertical	N/A
2**	2432.250	97.62	-11.18	54.0	-43.62	AV	7.00	150	Vertical	N/A
3	2996.000	47.03	-7.58	74.0	26.97	Peak	293.00	150	Vertical	Pass
3**	2996.000	36.53	-7.58	54.0	17.47	AV	293.00	150	Vertical	Pass
4	4872.000	62.30	-1.25	74.0	11.70	Peak	301.00	150	Vertical	Pass
4**	4872.000	49.85	-1.25	54.0	4.15	AV	301.00	150	Vertical	Pass
5	9310.500	49.83	-2.11	74.0	24.17	Peak	127.00	150	Vertical	Pass
5**	9310.500	40.41	-2.11	54.0	13.59	AV	127.00	150	Vertical	Pass
6	16295.500	52.51	2.29	74.0	21.49	Peak	274.00	150	Vertical	Pass
6**	16295.500	43.08	2.29	54.0	10.92	AV	274.00	150	Vertical	Pass
7	4874.000	58.27	-1.30	74.0	15.73	Peak	357.00	150	Vertical	Pass
7**	4874.000	50.02	-1.30	54.0	3.98	AV	357.00	150	Vertical	Pass

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

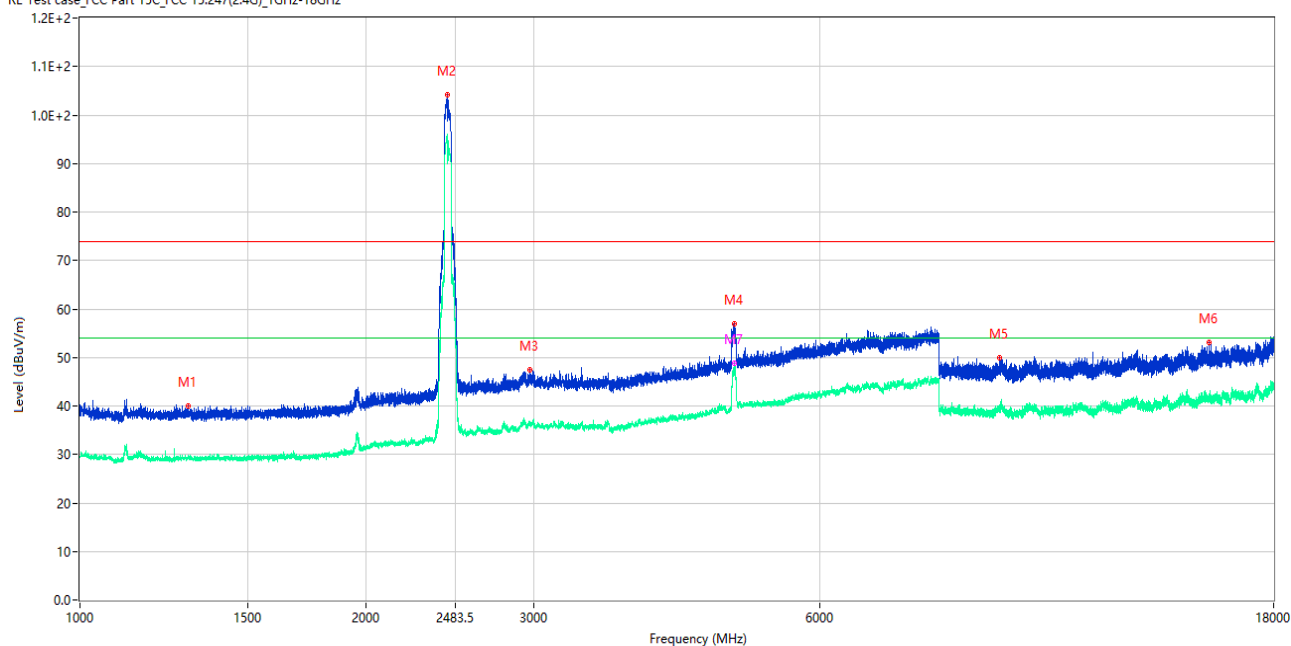
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1671.250	41.06	-15.32	74.0	32.94	Peak	273.00	150	Horizontal	Pass
1**	1671.250	29.72	-15.32	54.0	24.28	AV	273.00	150	Horizontal	Pass
2	2432.000	99.54	-11.17	74.0	-25.54	Peak	255.00	150	Horizontal	N/A
2**	2432.000	91.25	-11.17	54.0	-37.25	AV	255.00	150	Horizontal	N/A
3	2990.000	47.29	-7.85	74.0	26.71	Peak	1.00	150	Horizontal	Pass
3**	2990.000	36.52	-7.85	54.0	17.48	AV	1.00	150	Horizontal	Pass
4	5129.000	51.80	-0.93	74.0	22.20	Peak	112.00	150	Horizontal	Pass
4**	5129.000	40.60	-0.93	54.0	13.40	AV	112.00	150	Horizontal	Pass
5	9313.500	50.16	-2.17	74.0	23.84	Peak	350.00	150	Horizontal	Pass
5**	9313.500	39.88	-2.17	54.0	14.12	AV	350.00	150	Horizontal	Pass
6	14595.000	53.12	1.12	74.0	20.88	Peak	176.00	150	Horizontal	Pass
6**	14595.000	43.16	1.12	54.0	10.84	AV	176.00	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	1299.750	40.08	-14.65	74.0	33.92	Peak	288.00	150	Vertical	Pass
1**	1299.750	29.35	-14.65	54.0	24.65	AV	288.00	150	Vertical	Pass
2	2433.750	104.08	-11.23	74.0	-30.08	Peak	4.00	150	Vertical	N/A
2**	2433.750	96.10	-11.23	54.0	-42.10	AV	4.00	150	Vertical	N/A
3	2970.000	47.37	-7.12	74.0	26.63	Peak	298.00	150	Vertical	Pass
3**	2970.000	36.41	-7.12	54.0	17.59	AV	298.00	150	Vertical	Pass
4	4881.500	56.92	-1.35	74.0	17.08	Peak	290.00	150	Vertical	Pass
4**	4881.500	47.02	-1.35	54.0	6.98	AV	290.00	150	Vertical	Pass
5	9271.500	49.94	-1.82	74.0	24.06	Peak	39.00	150	Vertical	Pass
5**	9271.500	40.11	-1.82	54.0	13.89	AV	39.00	150	Vertical	Pass
6	15406.000	53.01	1.31	74.0	20.99	Peak	11.00	150	Vertical	Pass
6**	15406.000	42.50	1.31	54.0	11.50	AV	11.00	150	Vertical	Pass
7	4874.000	56.32	-1.30	74.0	17.68	Peak	280.00	150	Vertical	Pass
7**	4874.000	48.70	-1.30	54.0	5.30	AV	280.00	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.

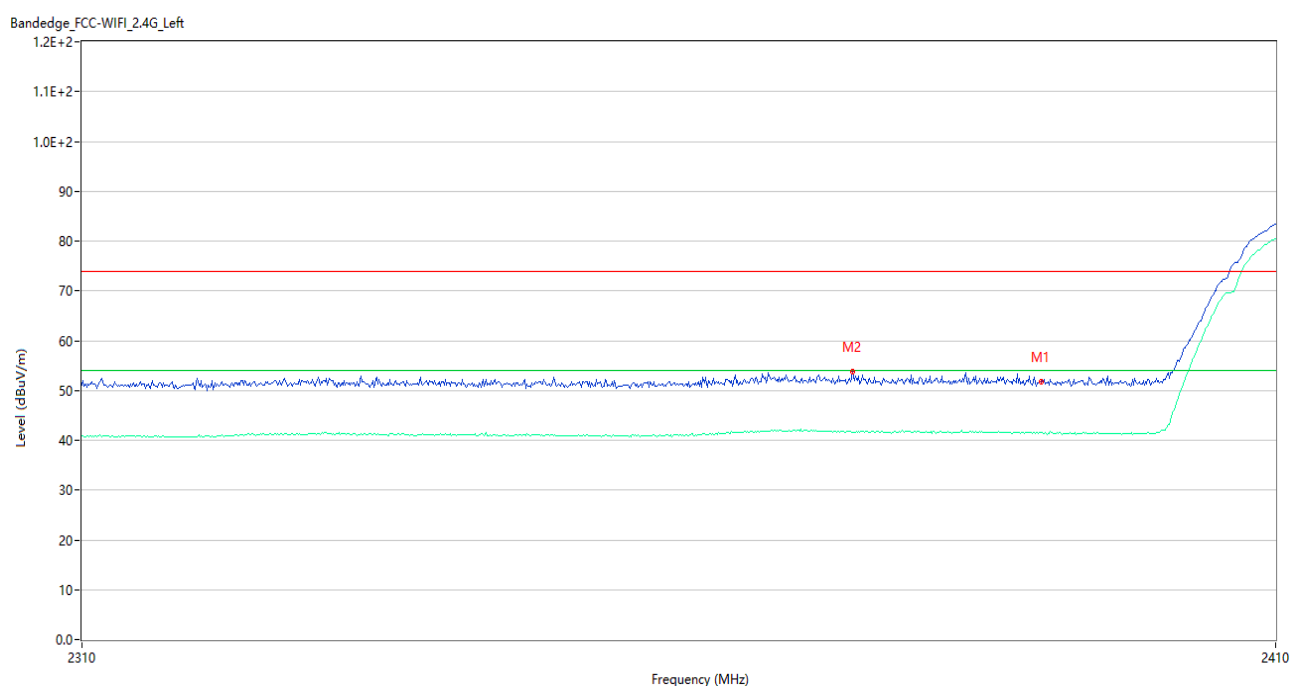
Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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.

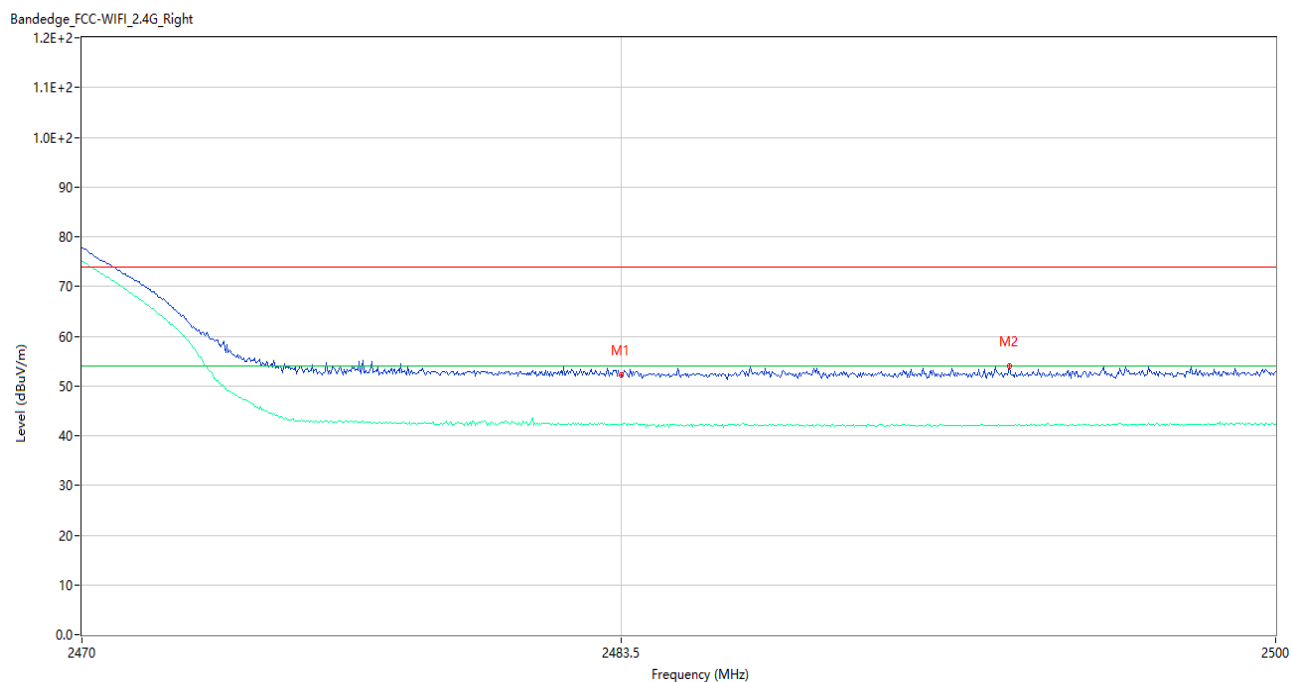
Test Data and Plots

802.11b LOW CHANNEL



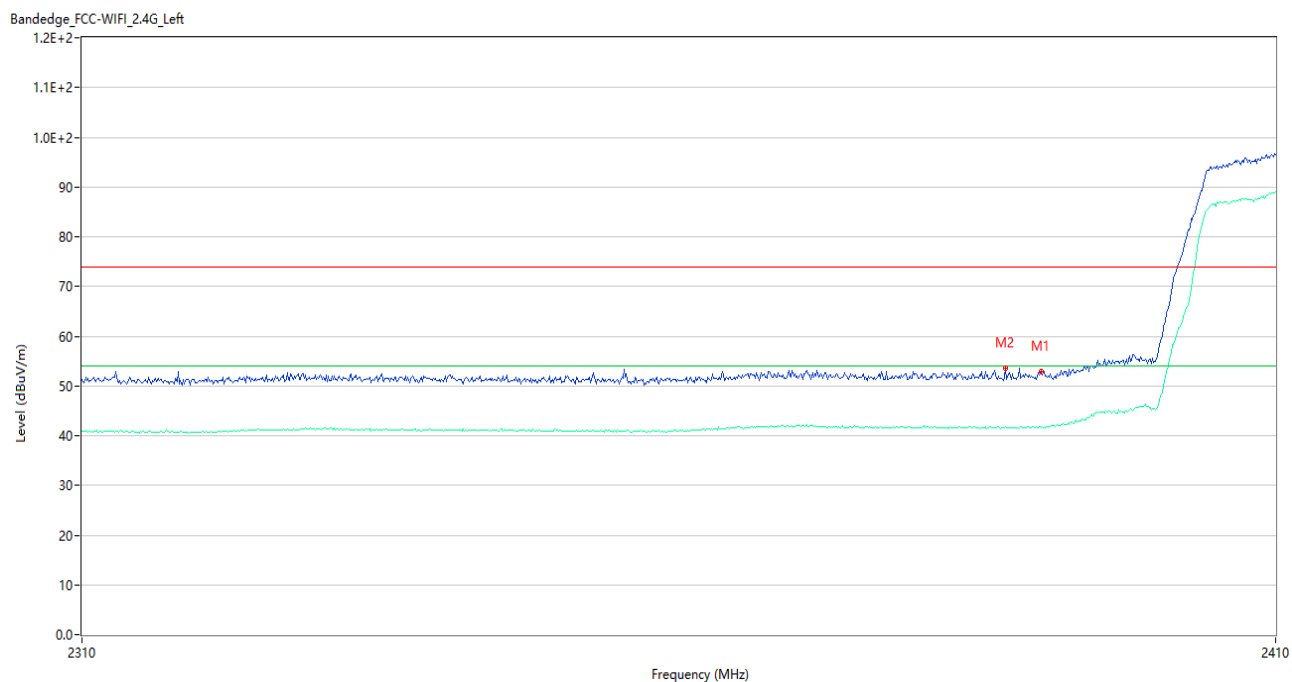
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.72	-3.73	74.0	22.28	Peak	187.83	150	Horizontal	Pass
1**	2390.000	41.50	-3.73	54.0	12.50	AV	187.83	150	Horizontal	Pass
2	2374.100	53.80	-2.92	74.0	20.20	Peak	93.00	150	Horizontal	Pass
2**	2374.100	41.66	-2.92	54.0	12.34	AV	93.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



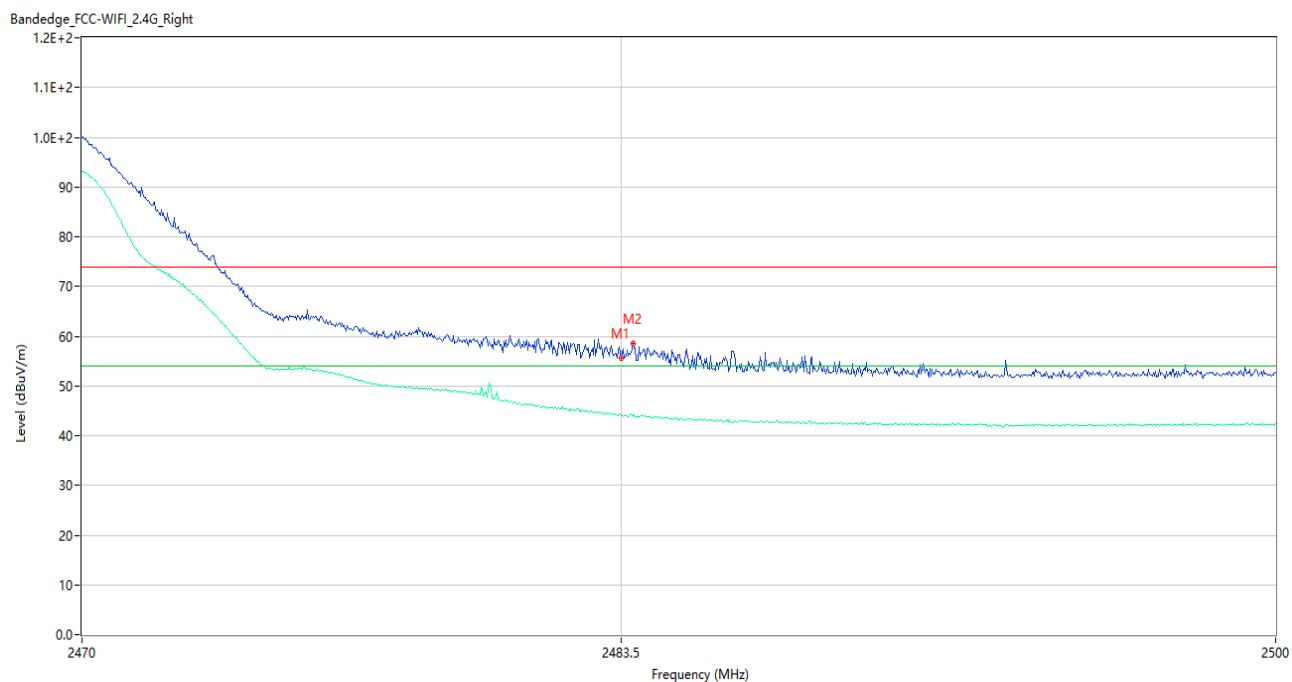
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.23	-2.60	74.0	21.77	Peak	0.00	150	Vertical	Pass
1**	2483.500	42.30	-2.60	54.0	11.70	AV	0.00	150	Vertical	Pass
2	2493.280	54.12	-2.76	74.0	19.88	Peak	111.00	150	Vertical	Pass
2**	2493.280	42.08	-2.76	54.0	11.92	AV	111.00	150	Vertical	Pass

802.11g LOW CHANNEL



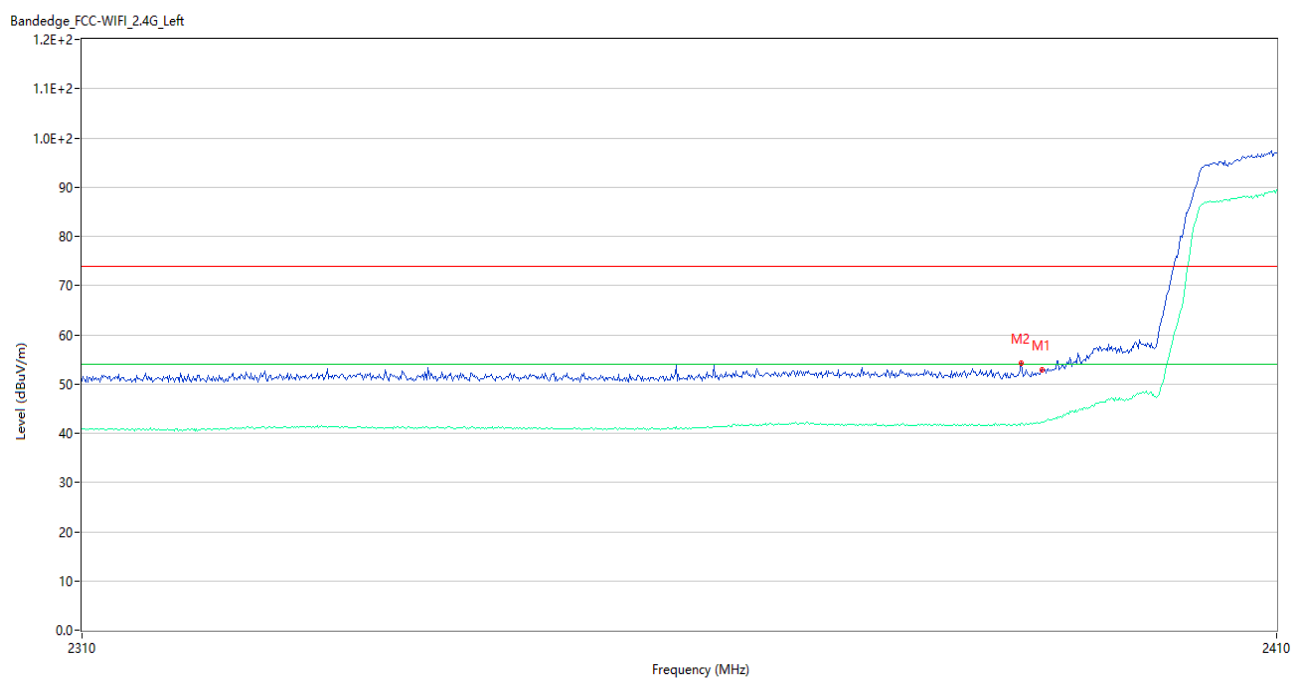
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.99	-3.73	74.0	21.01	Peak	150.94	150	Vertical	Pass
1**	2390.000	41.68	-3.73	54.0	12.32	AV	150.94	150	Vertical	Pass
2	2387.000	53.62	-3.57	74.0	20.38	Peak	325.00	150	Vertical	Pass
2**	2387.000	41.73	-3.57	54.0	12.27	AV	325.00	150	Vertical	Pass

802.11g HIGH CHANNEL



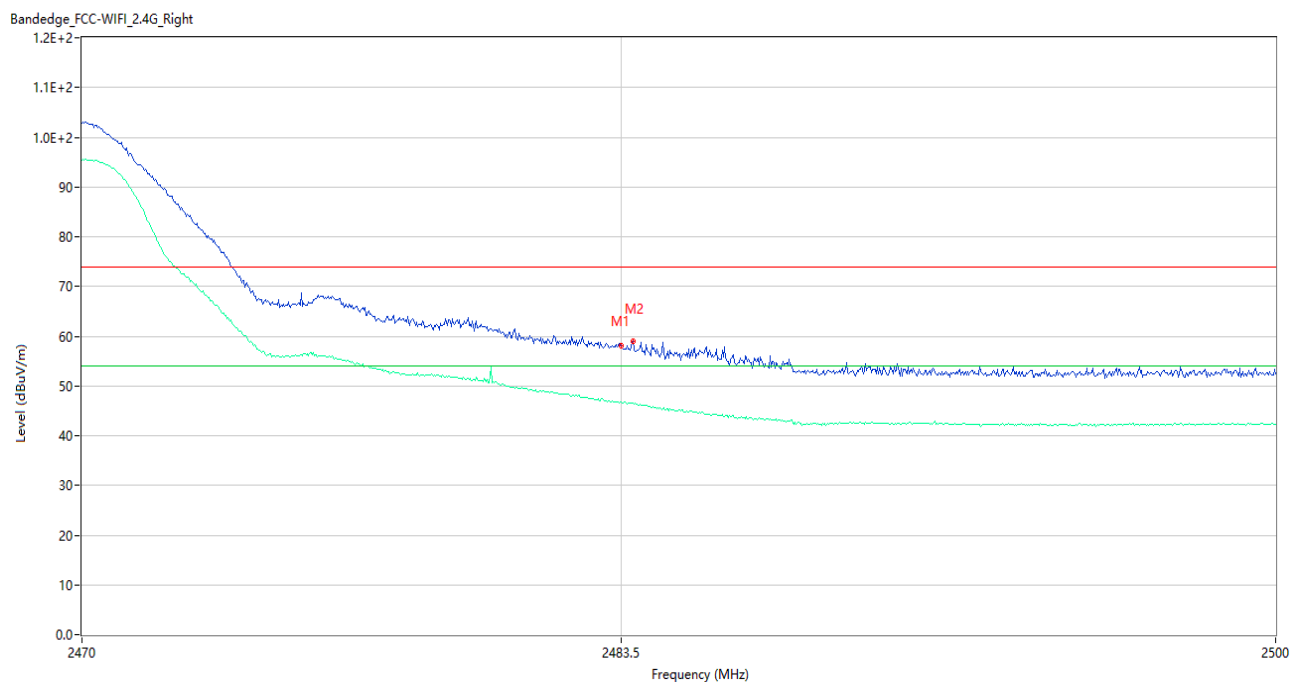
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.57	-2.60	74.0	18.43	Peak	360.00	150	Vertical	Pass
1**	2483.500	44.14	-2.60	54.0	9.86	AV	360.00	150	Vertical	Pass
2	2483.800	58.61	-2.61	74.0	15.39	Peak	360.00	150	Vertical	Pass
2**	2483.800	43.93	-2.61	54.0	10.07	AV	360.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



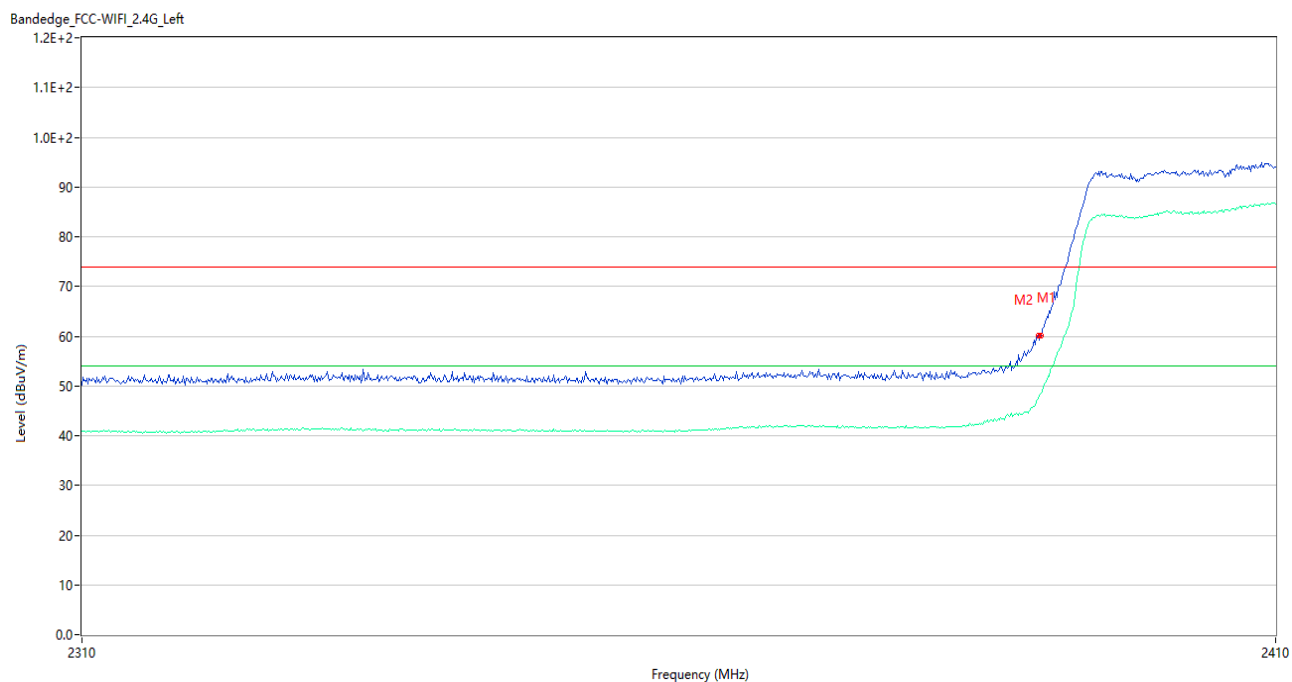
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.91	-3.73	74.0	21.09	Peak	79.06	150	Vertical	Pass
1**	2390.000	42.25	-3.73	54.0	11.75	AV	79.06	150	Vertical	Pass
2	2388.300	54.25	-3.64	74.0	19.75	Peak	246.00	150	Vertical	Pass
2**	2388.300	41.93	-3.64	54.0	12.07	AV	246.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



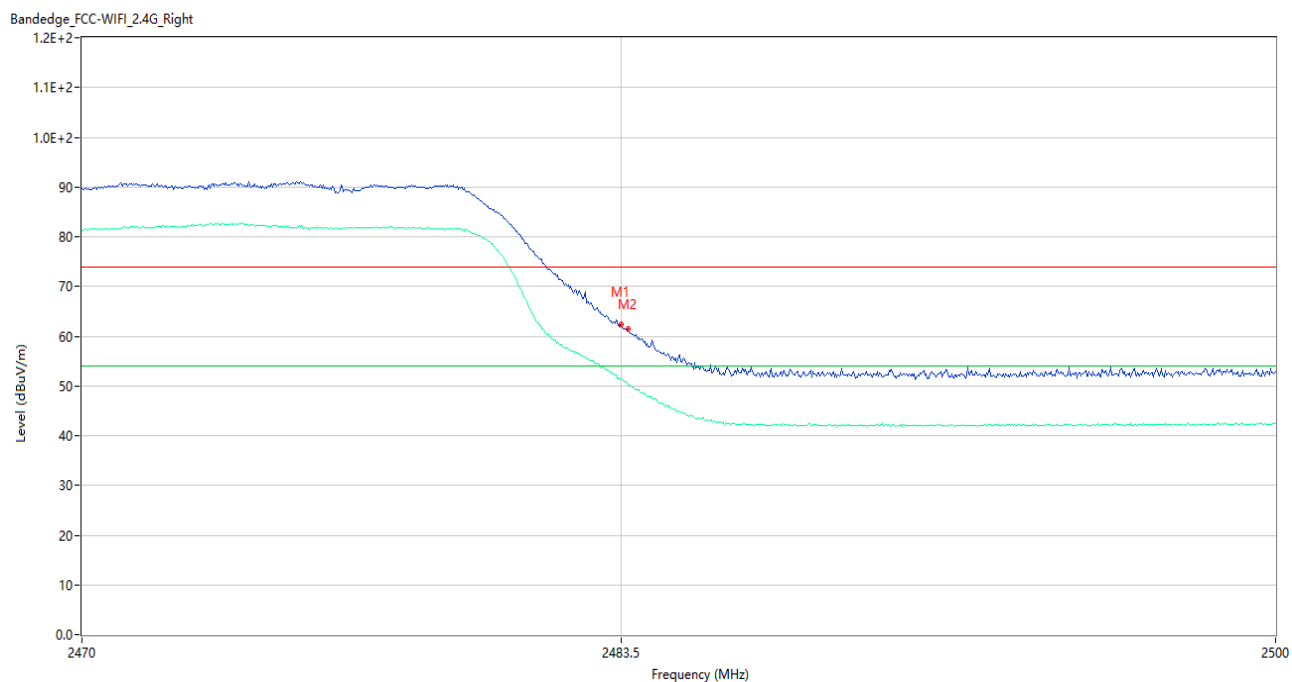
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.13	-2.60	74.0	15.87	Peak	360.00	150	Vertical	Pass
1**	2483.500	46.80	-2.60	54.0	7.20	AV	360.00	150	Vertical	Pass
2	2483.800	59.06	-2.61	74.0	14.94	Peak	360.00	150	Vertical	Pass
2**	2483.800	46.51	-2.61	54.0	7.49	AV	360.00	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	60.13	-3.73	74.0	13.87	Peak	156.99	150	Vertical	Pass
1**	2390.000	48.69	-3.73	54.0	5.31	AV	156.99	150	Vertical	Pass
2	2389.800	60.20	-3.72	74.0	13.80	Peak	77.00	150	Vertical	Pass
2**	2389.800	47.45	-3.72	54.0	6.55	AV	77.00	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	62.43	-2.60	74.0	11.57	Peak	360.00	150	Vertical	Pass
1**	2483.500	50.95	-2.60	54.0	3.05	AV	360.00	150	Vertical	Pass
2	2483.680	61.49	-2.60	74.0	12.51	Peak	357.00	150	Vertical	Pass
2**	2483.680	50.21	-2.60	54.0	3.79	AV	357.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.03	8
Middle	-18.63	8
High	-21.00	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.04	8
Middle	-13.42	8
High	-17.15	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.14	8
Middle	-12.43	8
High	-16.10	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.00	8
Middle	-14.91	8
High	-17.89	8

Test Plots

802.11b LOW CHANNEL



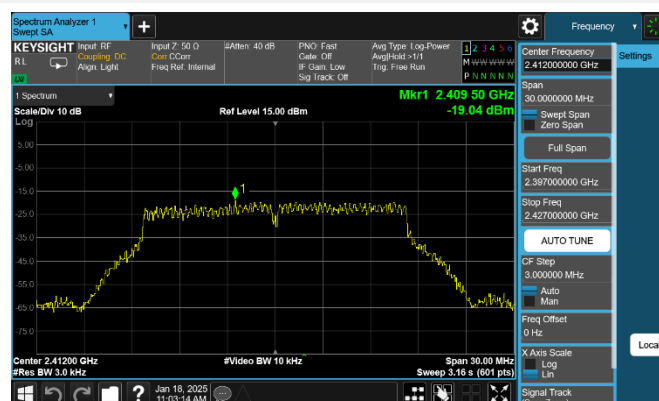
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



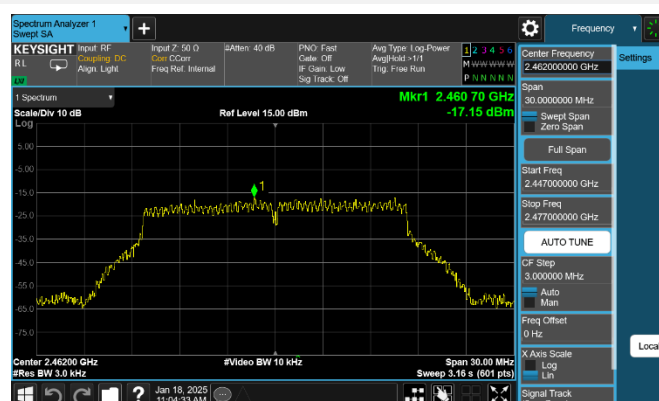
802.11g LOW CHANNEL



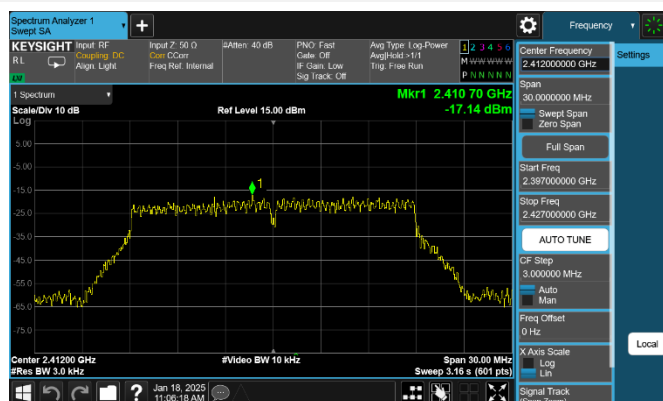
802.11g MIDDLE CHANNEL



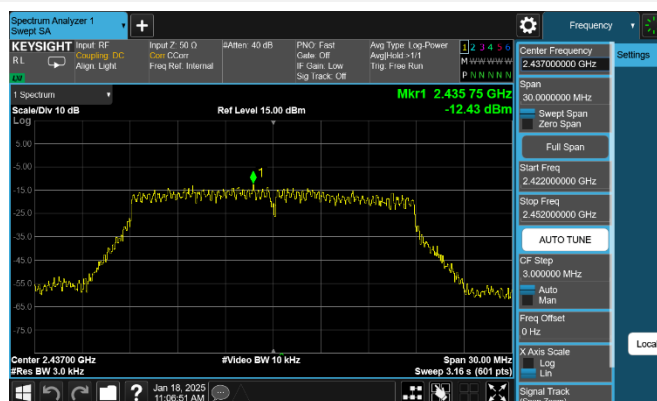
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



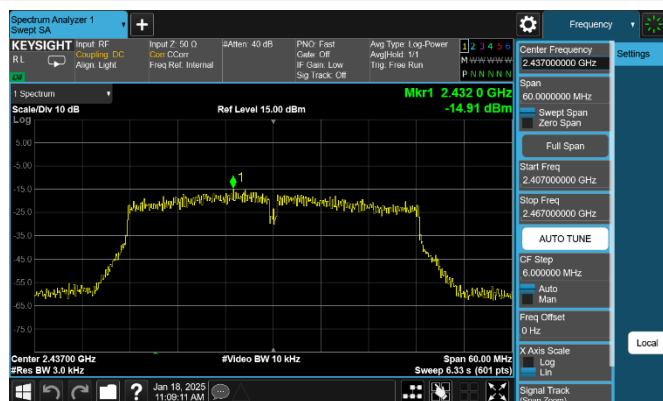
802.11n-20 MHz HIGH CHANNEL



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-SH24B0903-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH24B0903-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH24B0903-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
5. This report shall not be partially reproduced without the written permission of the Testing Center.
6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--