

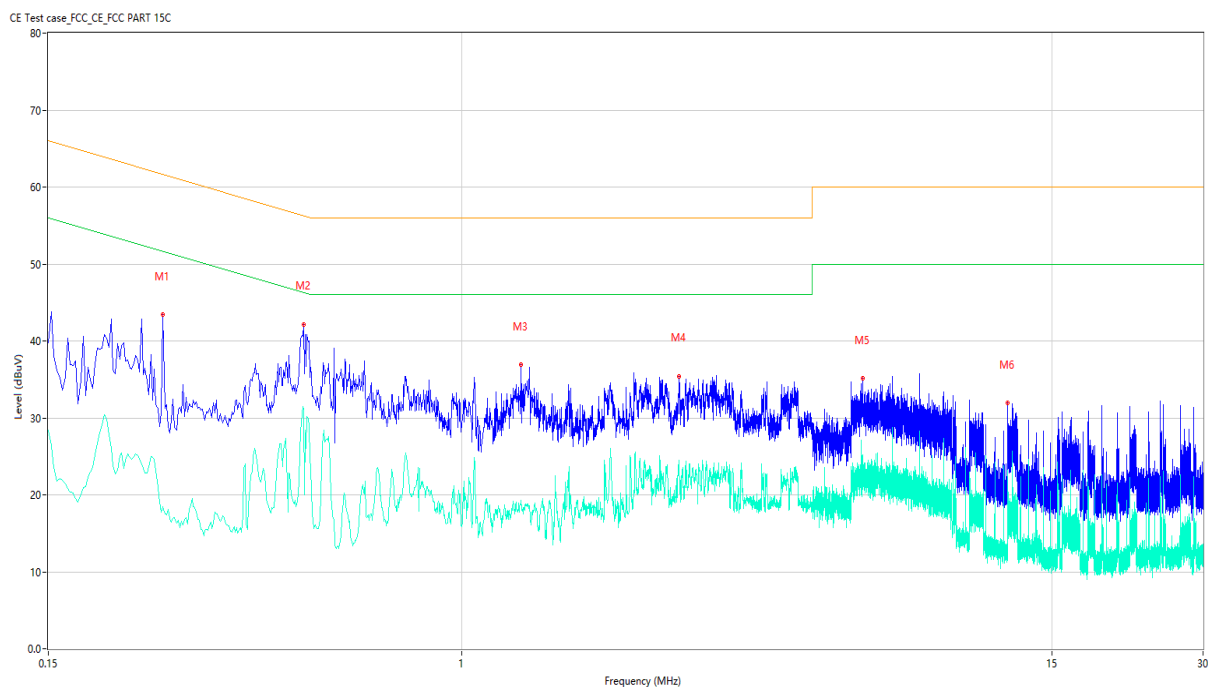
A.5 Conducted Emission

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

Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

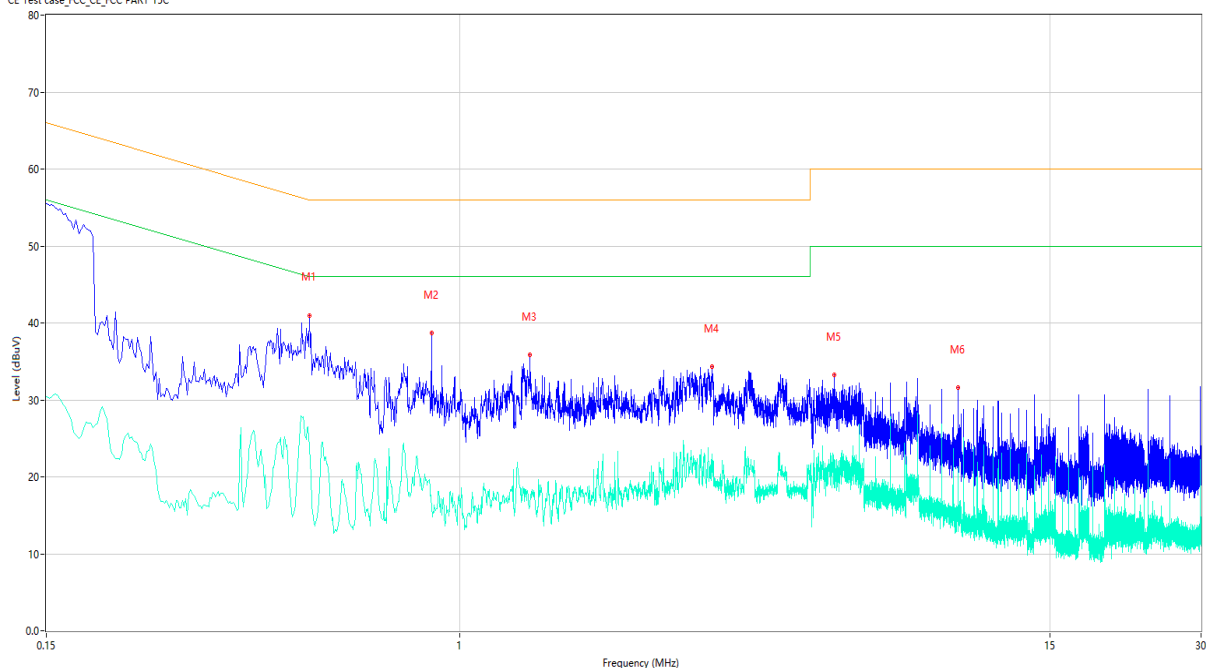
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.254	43.40	10.12	61.63	18.23	Peak	L	Pass
1**	0.254	18.51	10.12	51.63	33.12	AV	L	Pass
2	0.484	42.17	10.15	56.27	14.10	Peak	L	Pass
2**	0.484	31.09	10.15	46.27	15.18	AV	L	Pass
3	1.314	36.89	10.24	56.00	19.11	Peak	L	Pass
3**	1.314	19.27	10.24	46.00	26.73	AV	L	Pass
4	2.714	35.42	10.38	56.00	20.58	Peak	L	Pass
4**	2.714	23.14	10.38	46.00	22.86	AV	L	Pass
5	6.292	35.15	10.62	60.00	24.85	Peak	L	Pass
5**	6.292	24.61	10.62	50.00	25.39	AV	L	Pass
6	12.254	31.94	11.05	60.00	28.06	Peak	L	Pass
6**	12.254	21.75	11.05	50.00	28.25	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	0.502	40.96	10.17	56.00	15.04	Peak	N	Pass
1**	0.502	24.11	10.17	46.00	21.89	AV	N	Pass
2	0.878	38.71	10.23	56.00	17.29	Peak	N	Pass
2**	0.878	15.60	10.23	46.00	30.40	AV	N	Pass
3	1.380	35.92	10.24	56.00	20.08	Peak	N	Pass
3**	1.380	16.49	10.24	46.00	29.51	AV	N	Pass
4	3.182	34.34	10.32	56.00	21.66	Peak	N	Pass
4**	3.182	21.81	10.32	46.00	24.19	AV	N	Pass
5	5.578	33.27	10.49	60.00	26.73	Peak	N	Pass
5**	5.578	22.19	10.49	50.00	27.81	AV	N	Pass
6	9.852	31.59	10.92	60.00	28.41	Peak	N	Pass
6**	9.852	21.20	10.92	50.00	28.80	AV	N	Pass

A.6 Radiated Emission

Note 1: The symbol of "--" in the table which means not application.

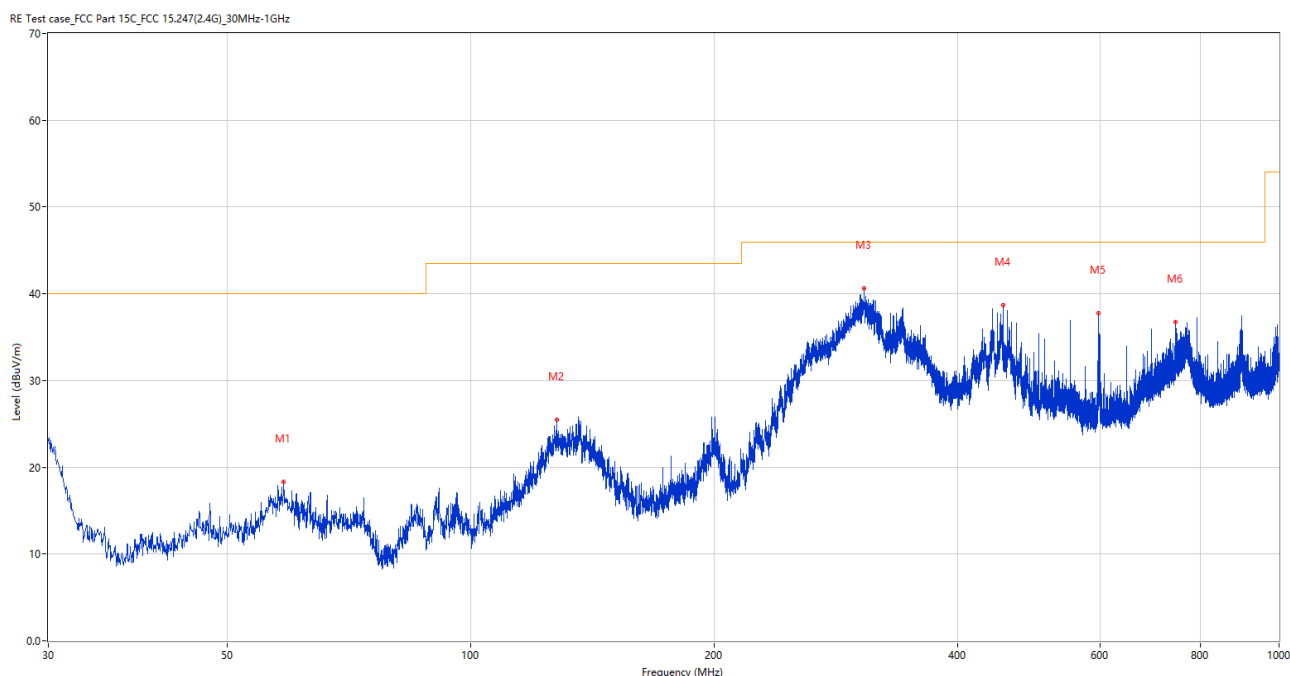
Note 2: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

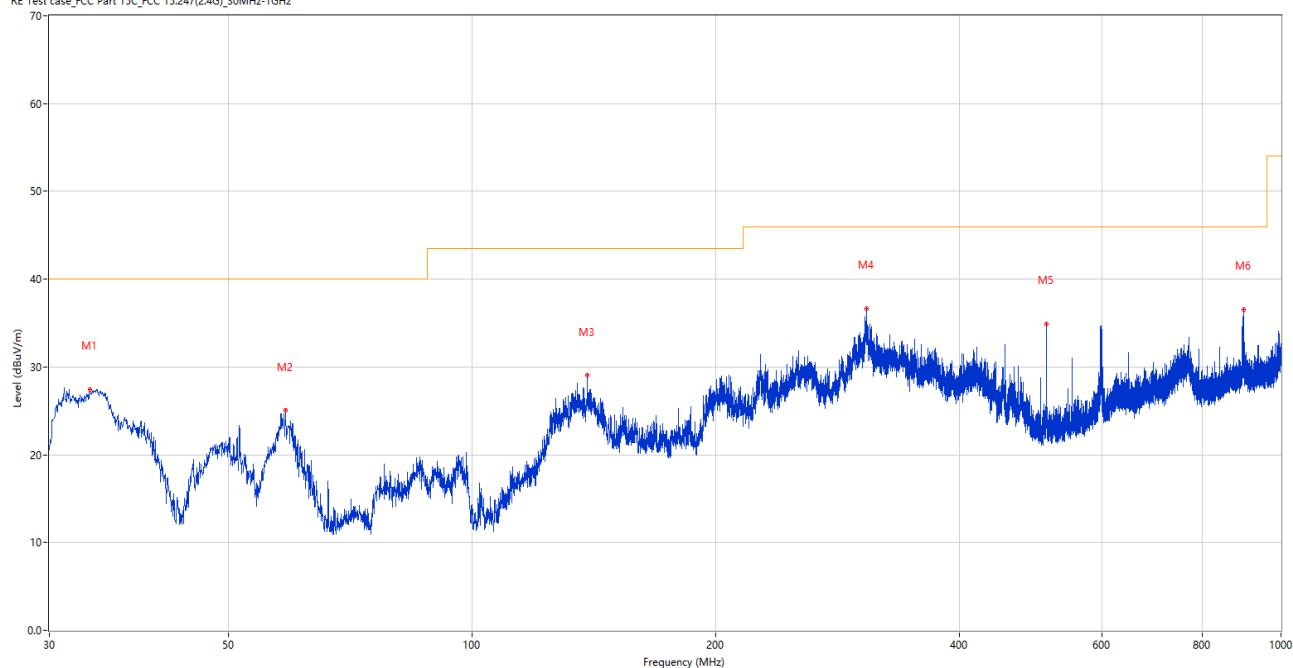
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.663	18.34	-25.73	40.0	21.66	Peak	0.00	200	Horizontal	Pass
2	127.873	25.48	-28.91	43.5	18.02	Peak	303.00	150	Horizontal	Pass
3	306.595	40.61	-23.26	46.0	5.39	Peak	167.00	150	Horizontal	Pass
4	456.024	38.73	-19.37	46.0	7.27	Peak	274.00	150	Horizontal	Pass
5	597.305	37.80	-15.03	46.0	8.20	Peak	27.00	200	Horizontal	Pass
6	743.969	36.78	-11.98	46.0	9.22	Peak	33.00	200	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	33.686	27.44	-28.22	40.0	12.56	Peak	124.00	150	Vertical	Pass
2	58.761	25.02	-25.75	40.0	14.98	Peak	219.00	150	Vertical	Pass
3	138.640	29.09	-29.44	43.5	14.41	Peak	178.00	200	Vertical	Pass
4	307.129	36.68	-23.26	46.0	9.32	Peak	146.00	150	Vertical	Pass
5	512.963	34.89	-17.70	46.0	11.11	Peak	0.00	200	Vertical	Pass
6	899.799	36.53	-9.26	46.0	9.47	Peak	147.00	200	Vertical	Pass

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

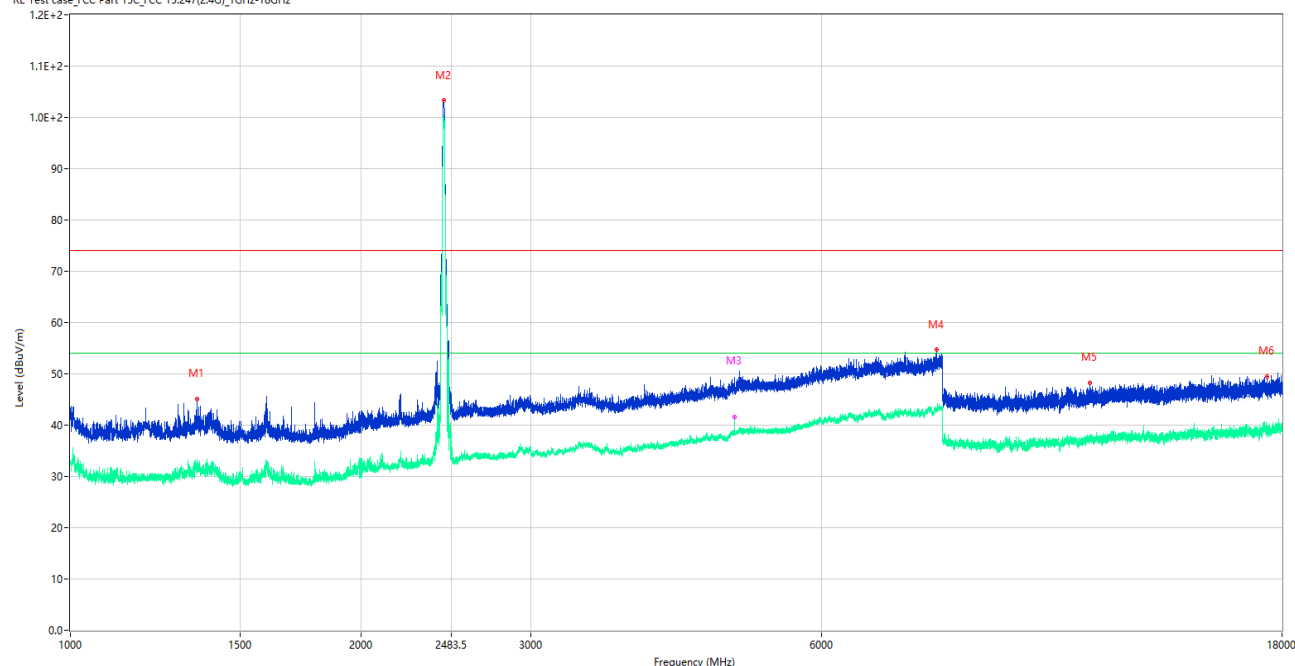
Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: All the configurations were pre tested, only the worst configuration has been reported in this report.

Main Antenna

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

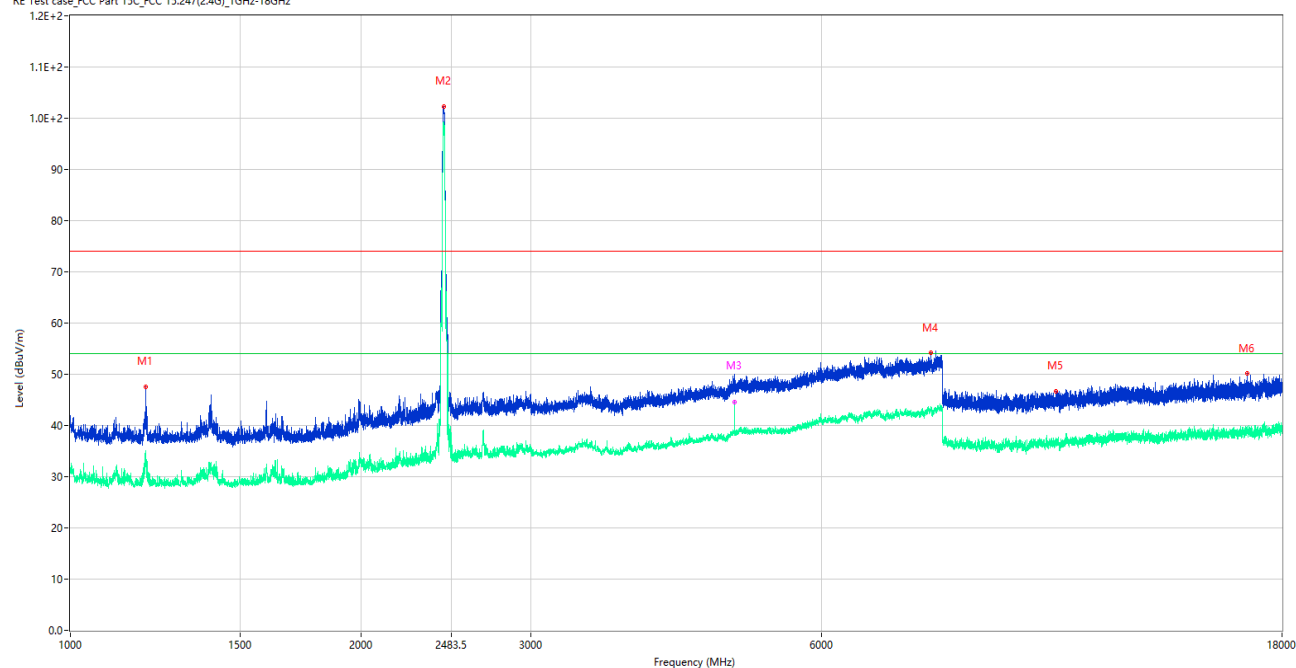
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1351.750	45.00	-15.91	74.0	29.00	Peak	119.00	150	Horizontal	Pass
1**	1351.750	32.07	-15.91	54.0	21.93	AV	119.00	150	Horizontal	Pass
2	2438.500	103.26	-12.37	74.0	-29.26	Peak	26.00	150	Horizontal	N/A
2**	2438.500	100.26	-12.37	54.0	-46.26	AV	26.00	150	Horizontal	N/A
3	4874.500	48.61	-2.25	74.0	25.39	Peak	228.00	150	Horizontal	Pass
3**	4874.500	41.63	-2.25	54.0	12.37	AV	228.00	150	Horizontal	Pass
4	7897.500	54.66	1.55	74.0	19.34	Peak	149.00	150	Horizontal	Pass
4**	7897.500	42.93	1.55	54.0	11.07	AV	149.00	150	Horizontal	Pass
5	11388.000	48.31	-3.56	74.0	25.69	Peak	349.00	150	Horizontal	Pass
5**	11388.000	36.88	-3.56	54.0	17.12	AV	349.00	150	Horizontal	Pass
6	17369.500	49.55	0.13	74.0	24.45	Peak	1.00	150	Horizontal	Pass
6**	17369.500	39.12	0.13	54.0	14.88	AV	1.00	150	Horizontal	Pass

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

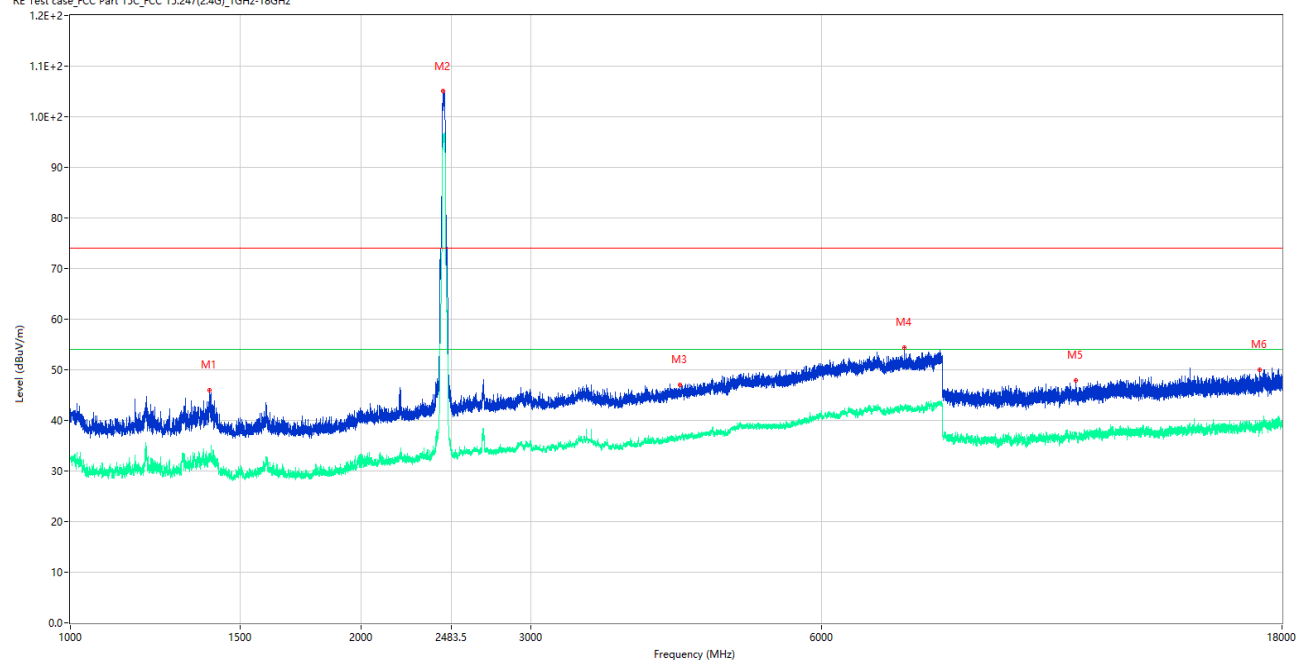
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.250	47.57	-15.72	74.0	26.43	Peak	43.00	150	Vertical	Pass
1**	1197.250	33.32	-15.72	54.0	20.68	AV	43.00	150	Vertical	Pass
2	2438.500	102.35	-12.37	74.0	-28.35	Peak	238.00	150	Vertical	N/A
2**	2438.500	99.27	-12.37	54.0	-45.27	AV	238.00	150	Vertical	N/A
3	4874.500	49.68	-2.25	74.0	24.32	Peak	242.00	150	Vertical	Pass
3**	4874.500	44.55	-2.25	54.0	9.45	AV	242.00	150	Vertical	Pass
4	7790.000	54.16	1.61	74.0	19.84	Peak	8.00	150	Vertical	Pass
4**	7790.000	43.08	1.61	54.0	10.92	AV	8.00	150	Vertical	Pass
5	10495.500	46.64	-3.23	74.0	27.36	Peak	351.00	150	Vertical	Pass
5**	10495.500	36.52	-3.23	54.0	17.48	AV	351.00	150	Vertical	Pass
6	16576.500	50.09	-0.73	74.0	23.91	Peak	184.00	150	Vertical	Pass
6**	16576.500	39.14	-0.73	54.0	14.86	AV	184.00	150	Vertical	Pass

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

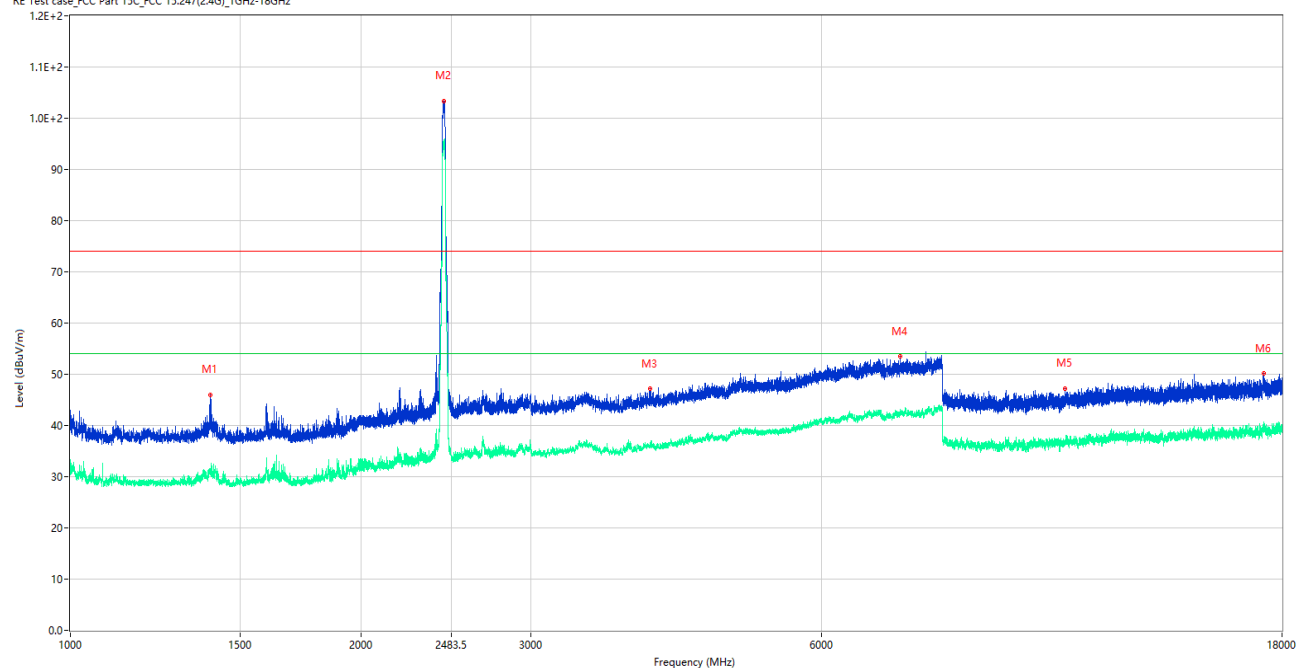
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1394.000	46.01	-16.00	74.0	27.99	Peak	0.00	150	Horizontal	Pass
1**	1394.000	31.76	-16.00	54.0	22.24	AV	0.00	150	Horizontal	Pass
2	2433.250	105.03	-12.31	74.0	-31.03	Peak	0.00	150	Horizontal	N/A
2**	2433.250	96.17	-12.31	54.0	-42.17	AV	0.00	150	Horizontal	N/A
3	4282.500	46.93	-3.61	74.0	27.07	Peak	121.00	150	Horizontal	Pass
3**	4282.500	36.41	-3.61	54.0	17.59	AV	121.00	150	Horizontal	Pass
4	7317.000	54.40	0.68	74.0	19.60	Peak	360.00	150	Horizontal	Pass
4**	7317.000	42.37	0.68	54.0	11.63	AV	360.00	150	Horizontal	Pass
5	11002.000	47.92	-2.78	74.0	26.08	Peak	332.00	150	Horizontal	Pass
5**	11002.000	37.00	-2.78	54.0	17.00	AV	332.00	150	Horizontal	Pass
6	17072.000	50.07	-0.59	74.0	23.93	Peak	39.00	150	Horizontal	Pass
6**	17072.000	39.19	-0.59	54.0	14.81	AV	39.00	150	Horizontal	Pass

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

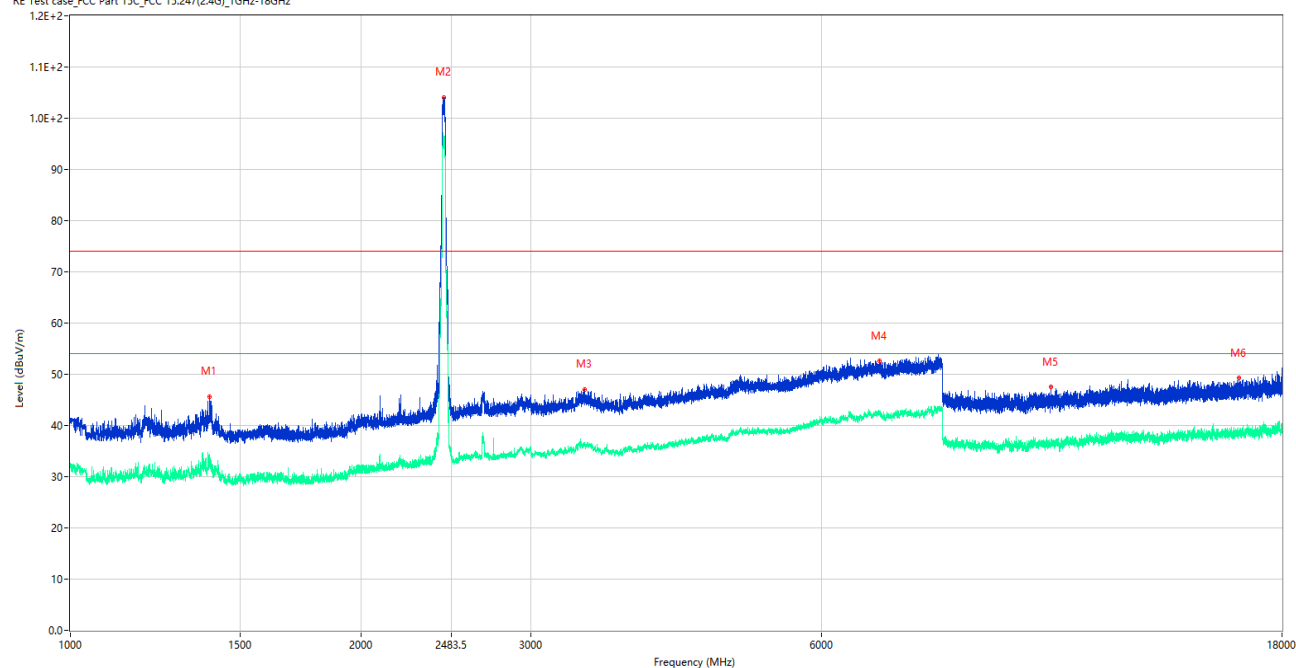
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1397.750	45.99	-16.01	74.0	28.01	Peak	187.00	150	Vertical	Pass
1**	1397.750	31.46	-16.01	54.0	22.54	AV	187.00	150	Vertical	Pass
2	2438.250	103.42	-12.38	74.0	-29.42	Peak	288.00	150	Vertical	N/A
2**	2438.250	94.75	-12.38	54.0	-40.75	AV	288.00	150	Vertical	N/A
3	3986.500	47.18	-4.75	74.0	26.82	Peak	248.00	150	Vertical	Pass
3**	3986.500	35.72	-4.75	54.0	18.28	AV	248.00	150	Vertical	Pass
4	7243.000	53.44	0.92	74.0	20.56	Peak	178.00	150	Vertical	Pass
4**	7243.000	42.30	0.92	54.0	11.70	AV	178.00	150	Vertical	Pass
5	10717.500	47.23	-3.89	74.0	26.77	Peak	1.00	150	Vertical	Pass
5**	10717.500	36.43	-3.89	54.0	17.57	AV	1.00	150	Vertical	Pass
6	17247.500	50.10	-0.72	74.0	23.90	Peak	291.00	150	Vertical	Pass
6**	17247.500	39.92	-0.72	54.0	14.08	AV	291.00	150	Vertical	Pass

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

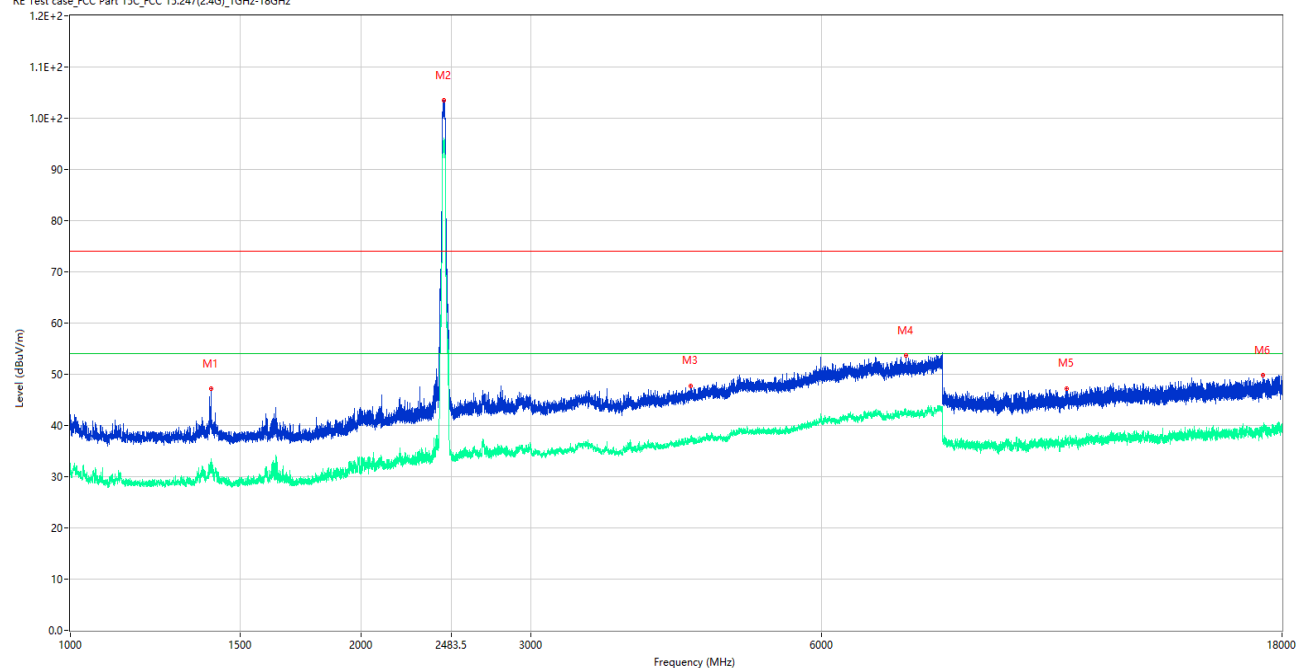
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1395.000	45.57	-16.01	74.0	28.43	Peak	108.00	150	Horizontal	Pass
1**	1395.000	33.03	-16.01	54.0	20.97	AV	108.00	150	Horizontal	Pass
2	2436.250	104.08	-12.35	74.0	-30.08	Peak	14.00	150	Horizontal	N/A
2**	2436.250	95.66	-12.35	54.0	-41.66	AV	14.00	150	Horizontal	N/A
3	3411.000	47.03	-5.30	74.0	26.97	Peak	283.00	150	Horizontal	Pass
3**	3411.000	36.28	-5.30	54.0	17.72	AV	283.00	150	Horizontal	Pass
4	6888.500	52.72	0.63	74.0	21.28	Peak	233.00	150	Horizontal	Pass
4**	6888.500	42.77	0.63	54.0	11.23	AV	233.00	150	Horizontal	Pass
5	10371.000	47.47	-3.44	74.0	26.53	Peak	360.00	150	Horizontal	Pass
5**	10371.000	36.79	-3.44	54.0	17.21	AV	360.00	150	Horizontal	Pass
6	16251.000	49.32	-1.44	74.0	24.68	Peak	360.00	150	Horizontal	Pass
6**	16251.000	38.26	-1.44	54.0	15.74	AV	360.00	150	Horizontal	Pass

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

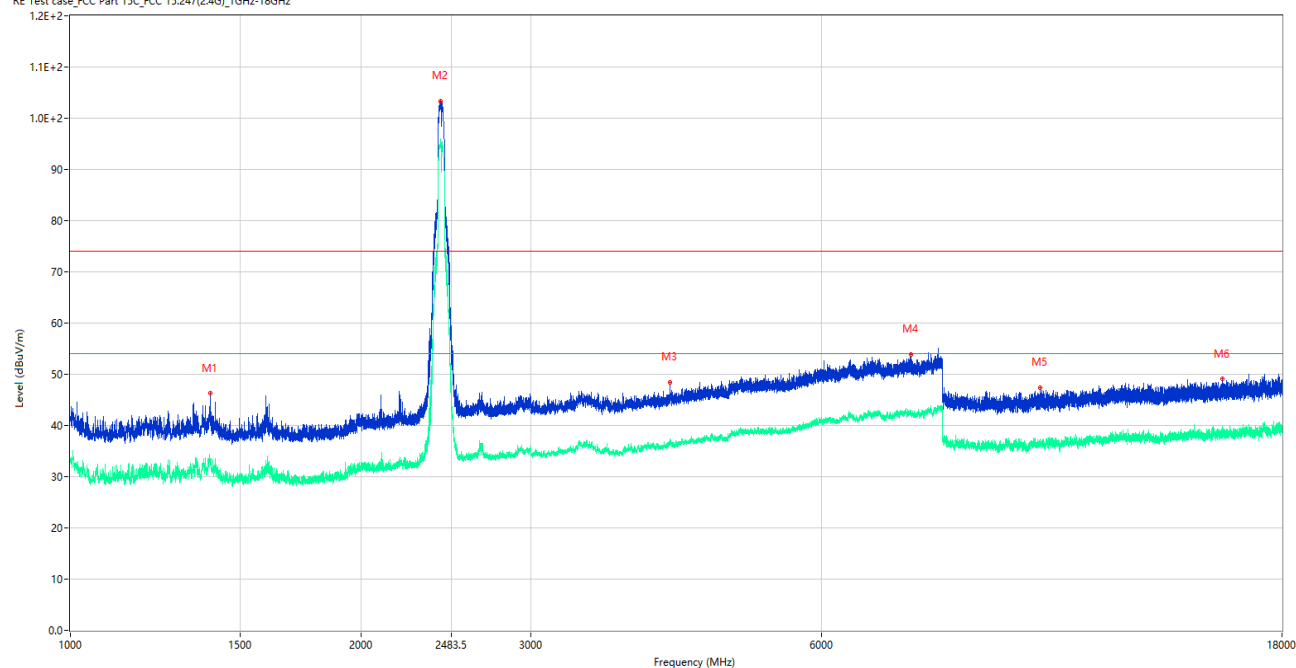
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1398.500	47.15	-16.00	74.0	26.85	Peak	193.00	150	Vertical	Pass
1**	1398.500	30.88	-16.00	54.0	23.12	AV	193.00	150	Vertical	Pass
2	2440.000	103.48	-12.37	74.0	-29.48	Peak	239.00	150	Vertical	N/A
2**	2440.000	95.87	-12.37	54.0	-41.87	AV	239.00	150	Vertical	N/A
3	4393.500	47.76	-3.44	74.0	26.24	Peak	221.00	150	Vertical	Pass
3**	4393.500	37.34	-3.44	54.0	16.66	AV	221.00	150	Vertical	Pass
4	7337.500	53.65	1.10	74.0	20.35	Peak	360.00	150	Vertical	Pass
4**	7337.500	42.81	1.10	54.0	11.19	AV	360.00	150	Vertical	Pass
5	10762.000	47.22	-3.59	74.0	26.78	Peak	0.00	150	Vertical	Pass
5**	10762.000	37.11	-3.59	54.0	16.89	AV	0.00	150	Vertical	Pass
6	17204.001	49.75	0.08	74.0	24.25	Peak	360.00	150	Vertical	Pass
6**	17204.001	39.72	0.08	54.0	14.28	AV	360.00	150	Vertical	Pass

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

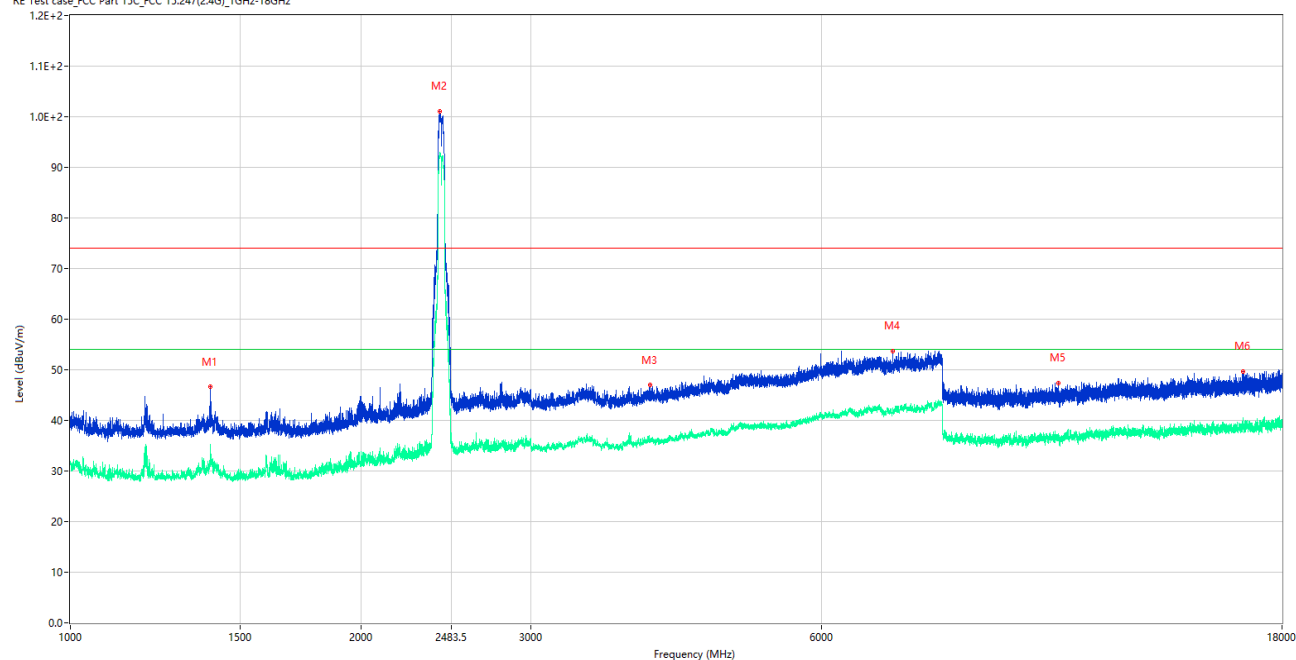
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1397.500	46.25	-16.02	74.0	27.75	Peak	99.00	150	Horizontal	Pass
1**	1397.500	33.48	-16.02	54.0	20.52	AV	99.00	150	Horizontal	Pass
2	2417.250	103.39	-12.47	74.0	-29.39	Peak	18.00	150	Horizontal	N/A
2**	2417.250	95.66	-12.47	54.0	-41.66	AV	18.00	150	Horizontal	N/A
3	4183.500	48.43	-3.97	74.0	25.57	Peak	132.00	150	Horizontal	Pass
3**	4183.500	36.20	-3.97	54.0	17.80	AV	132.00	150	Horizontal	Pass
4	7426.000	53.90	1.02	74.0	20.10	Peak	357.00	150	Horizontal	Pass
4**	7426.000	42.45	1.02	54.0	11.55	AV	357.00	150	Horizontal	Pass
5	10104.001	47.41	-3.97	74.0	26.59	Peak	329.00	150	Horizontal	Pass
5**	10104.001	36.03	-3.97	54.0	17.97	AV	329.00	150	Horizontal	Pass
6	15628.500	49.08	-1.67	74.0	24.92	Peak	242.00	150	Horizontal	Pass
6**	15628.500	38.68	-1.67	54.0	15.32	AV	242.00	150	Horizontal	Pass

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

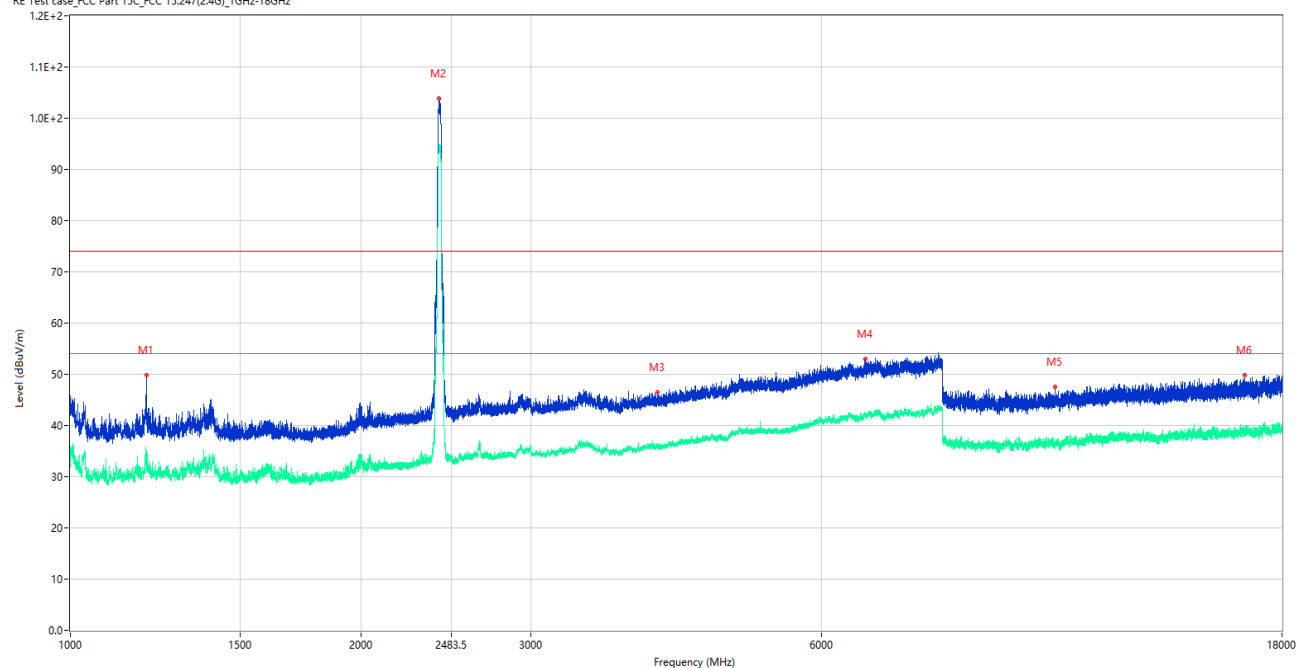
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1395.500	46.62	-16.01	74.0	27.38	Peak	58.00	150	Vertical	Pass
1**	1395.500	31.56	-16.01	54.0	22.44	AV	58.00	150	Vertical	Pass
2	2413.750	101.11	-12.57	74.0	-27.11	Peak	325.00	150	Vertical	N/A
2**	2413.750	91.93	-12.57	54.0	-37.93	AV	325.00	150	Vertical	N/A
3	3984.000	46.99	-4.71	74.0	27.01	Peak	120.00	150	Vertical	Pass
3**	3984.000	35.93	-4.71	54.0	18.07	AV	120.00	150	Vertical	Pass
4	7116.500	53.68	0.09	74.0	20.32	Peak	228.00	150	Vertical	Pass
4**	7116.500	41.64	0.09	54.0	12.36	AV	228.00	150	Vertical	Pass
5	10554.500	47.35	-3.32	74.0	26.65	Peak	322.00	150	Vertical	Pass
5**	10554.500	36.63	-3.32	54.0	17.37	AV	322.00	150	Vertical	Pass
6	16392.500	49.65	-1.22	74.0	24.35	Peak	291.00	150	Vertical	Pass
6**	16392.500	38.99	-1.22	54.0	15.01	AV	291.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

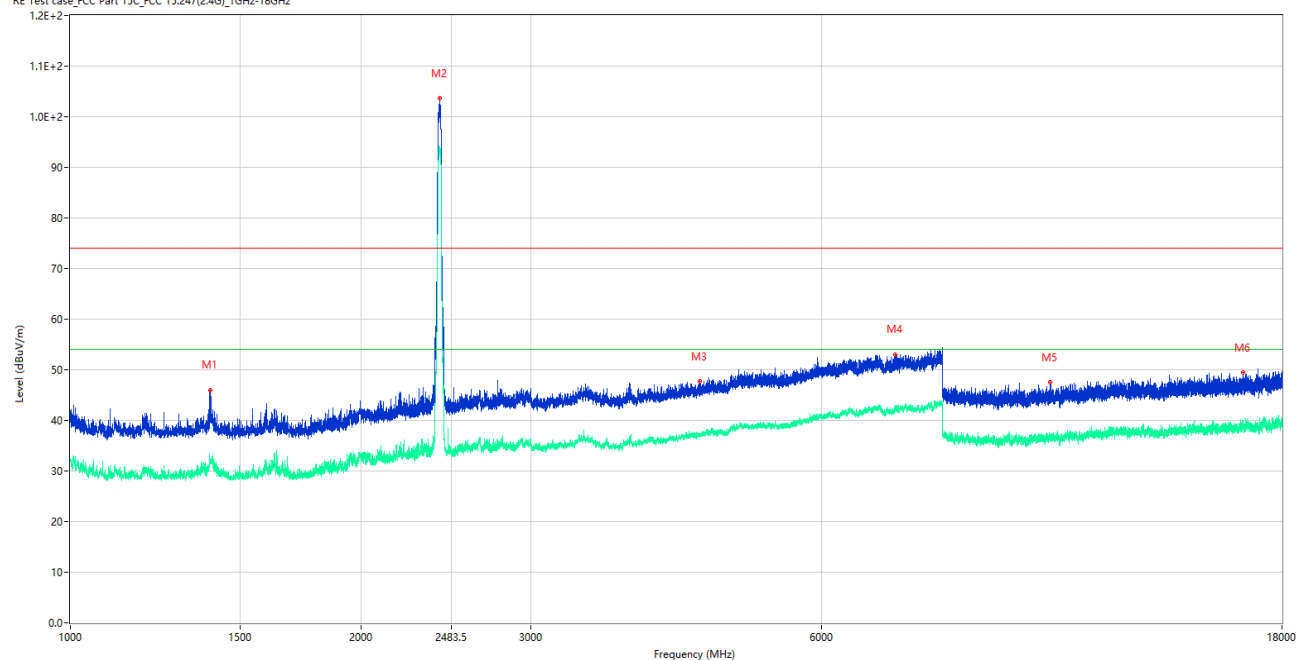
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.250	49.81	-15.74	74.0	24.19	Peak	203.00	150	Horizontal	Pass
1**	1200.250	34.27	-15.74	54.0	19.73	AV	203.00	150	Horizontal	Pass
2	2408.000	103.83	-12.64	74.0	-29.83	Peak	22.00	150	Horizontal	N/A
2**	2408.000	94.44	-12.64	54.0	-40.44	AV	22.00	150	Horizontal	N/A
3	4061.000	46.43	-4.06	74.0	27.57	Peak	0.00	150	Horizontal	Pass
3**	4061.000	36.08	-4.06	54.0	17.92	AV	0.00	150	Horizontal	Pass
4	6663.500	52.99	0.01	74.0	21.01	Peak	50.00	150	Horizontal	Pass
4**	6663.500	42.13	0.01	54.0	11.87	AV	50.00	150	Horizontal	Pass
5	10469.000	47.46	-3.58	74.0	26.54	Peak	147.00	150	Horizontal	Pass
5**	10469.000	36.26	-3.58	54.0	17.74	AV	147.00	150	Horizontal	Pass
6	16484.000	49.79	-2.28	74.0	24.21	Peak	234.00	150	Horizontal	Pass
6**	16484.000	38.42	-2.28	54.0	15.58	AV	234.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

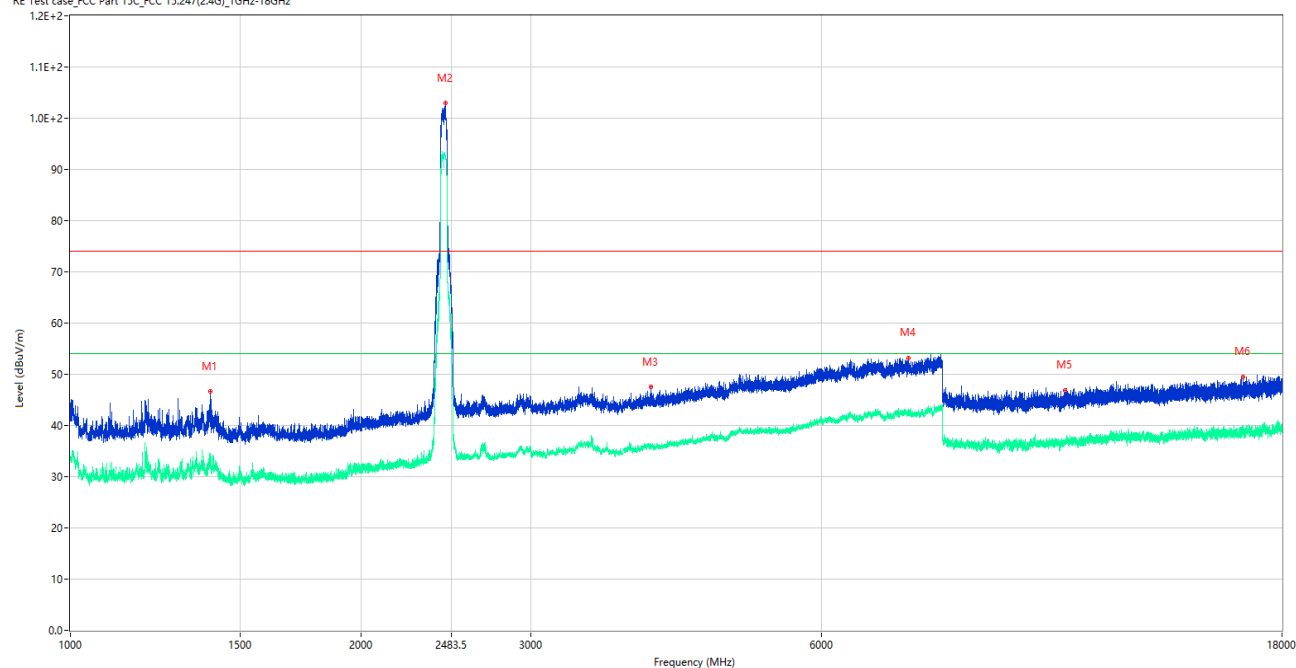
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1396.250	45.97	-16.03	74.0	28.03	Peak	34.00	150	Vertical	Pass
1**	1396.250	31.49	-16.03	54.0	22.51	AV	34.00	150	Vertical	Pass
2	2416.000	103.60	-12.51	74.0	-29.60	Peak	322.00	150	Vertical	N/A
2**	2416.000	93.49	-12.51	54.0	-39.49	AV	322.00	150	Vertical	N/A
3	4486.000	47.69	-3.44	74.0	26.31	Peak	280.00	150	Vertical	Pass
3**	4486.000	37.13	-3.44	54.0	16.87	AV	280.00	150	Vertical	Pass
4	7148.500	53.02	-0.02	74.0	20.98	Peak	2.00	150	Vertical	Pass
4**	7148.500	42.36	-0.02	54.0	11.64	AV	2.00	150	Vertical	Pass
5	10357.500	47.53	-3.16	74.0	26.47	Peak	360.00	150	Vertical	Pass
5**	10357.500	36.37	-3.16	54.0	17.63	AV	360.00	150	Vertical	Pass
6	16393.000	49.45	-1.17	74.0	24.55	Peak	360.00	150	Vertical	Pass
6**	16393.000	39.56	-1.17	54.0	14.44	AV	360.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

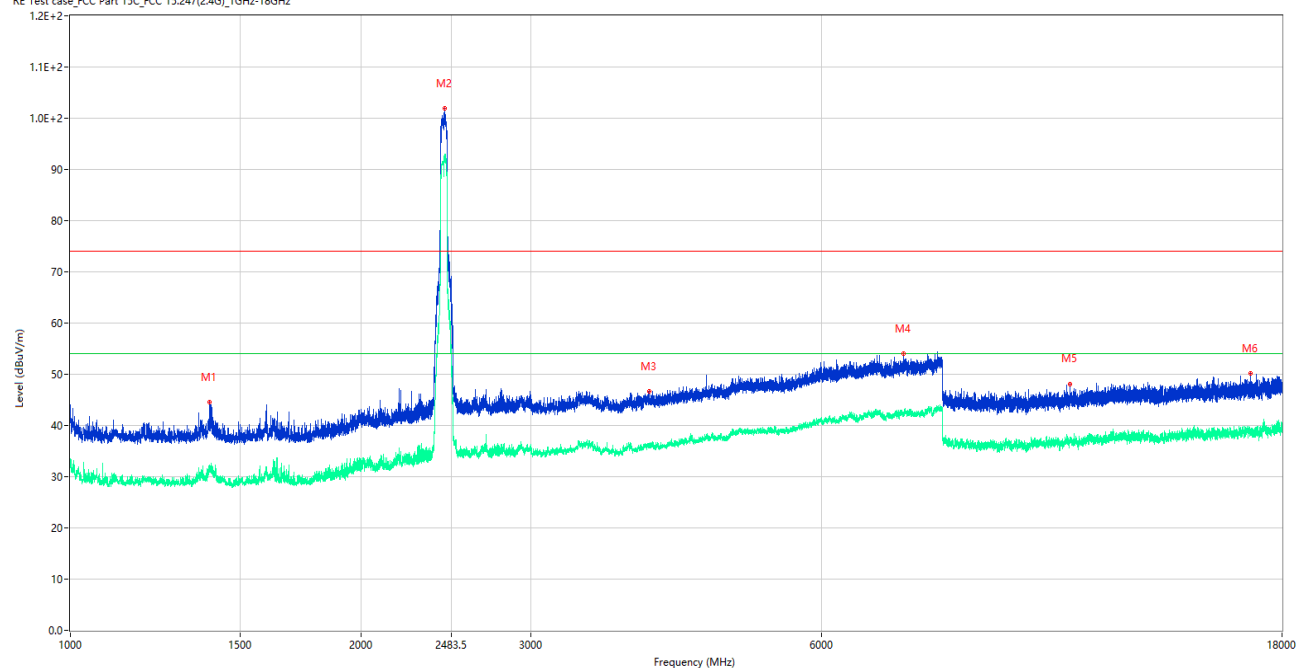
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1396.000	46.59	-16.03	74.0	27.41	Peak	95.00	150	Horizontal	Pass
1**	1396.000	33.24	-16.03	54.0	20.76	AV	95.00	150	Horizontal	Pass
2	2447.500	102.90	-12.55	74.0	-28.90	Peak	0.00	150	Horizontal	N/A
2**	2447.500	92.59	-12.55	54.0	-38.59	AV	0.00	150	Horizontal	N/A
3	3995.500	47.48	-4.82	74.0	26.52	Peak	88.00	150	Horizontal	Pass
3**	3995.500	35.68	-4.82	54.0	18.32	AV	88.00	150	Horizontal	Pass
4	7390.000	53.20	0.69	74.0	20.80	Peak	360.00	150	Horizontal	Pass
4**	7390.000	42.43	0.69	54.0	11.57	AV	360.00	150	Horizontal	Pass
5	10727.500	46.86	-3.74	74.0	27.14	Peak	11.00	150	Horizontal	Pass
5**	10727.500	37.27	-3.74	54.0	16.73	AV	11.00	150	Horizontal	Pass
6	16399.000	49.56	-1.44	74.0	24.44	Peak	39.00	150	Horizontal	Pass
6**	16399.000	39.07	-1.44	54.0	14.93	AV	39.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Middle Channel

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

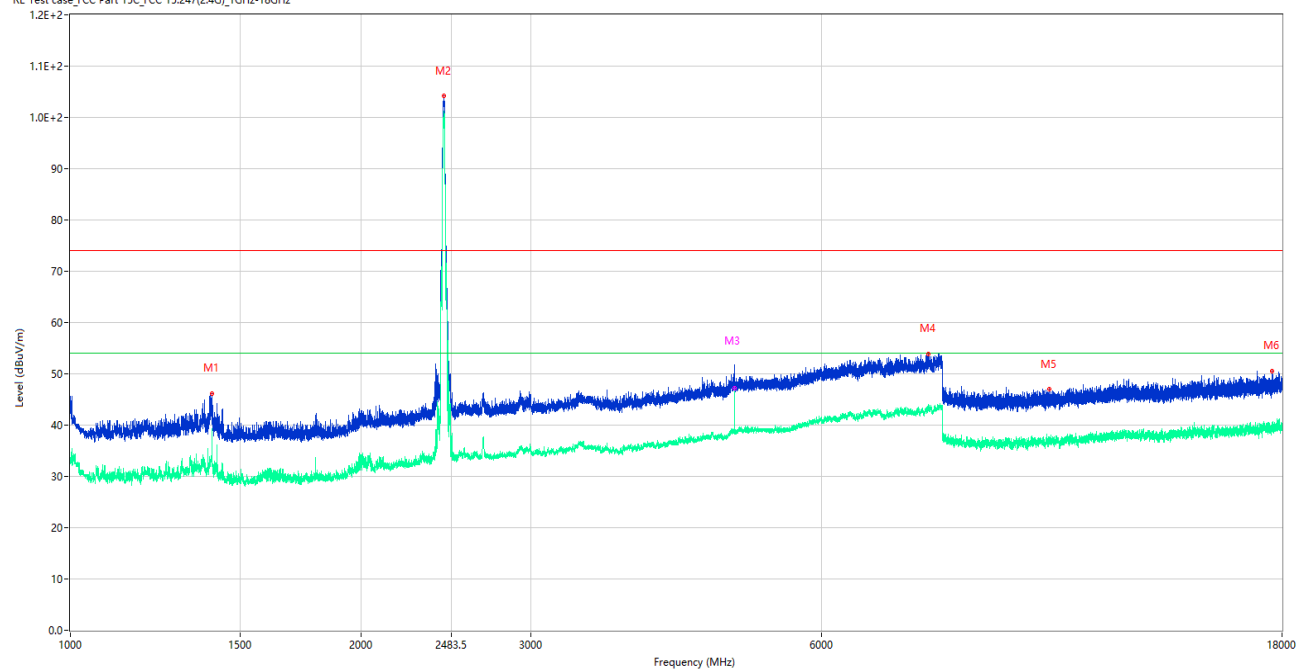


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1395.000	44.49	-16.01	74.0	29.51	Peak	66.00	150	Vertical	Pass
1**	1395.000	31.25	-16.01	54.0	22.75	AV	66.00	150	Vertical	Pass
2	2440.500	101.88	-12.38	74.0	-27.88	Peak	239.00	150	Vertical	N/A
2**	2440.500	92.23	-12.38	54.0	-38.23	AV	239.00	150	Vertical	N/A
3	3980.500	46.64	-4.58	74.0	27.36	Peak	204.00	150	Vertical	Pass
3**	3980.500	36.51	-4.58	54.0	17.49	AV	204.00	150	Vertical	Pass
4	7291.000	53.97	0.36	74.0	20.03	Peak	137.00	150	Vertical	Pass
4**	7291.000	42.19	0.36	54.0	11.81	AV	137.00	150	Vertical	Pass
5	10858.000	48.09	-3.51	74.0	25.91	Peak	175.00	150	Vertical	Pass
5**	10858.000	37.38	-3.51	54.0	16.62	AV	175.00	150	Vertical	Pass
6	16714.500	50.10	-1.63	74.0	23.90	Peak	263.00	150	Vertical	Pass
6**	16714.500	38.69	-1.63	54.0	15.31	AV	263.00	150	Vertical	Pass

Aux Antenna

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

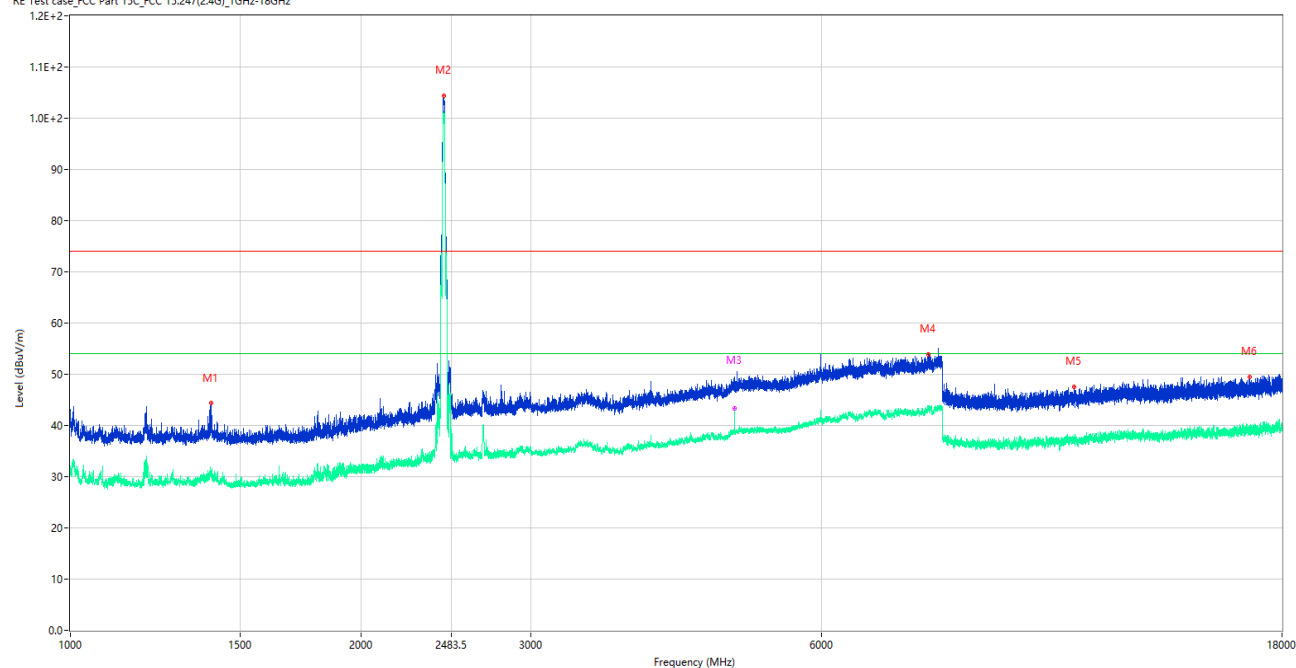
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.500	46.06	-15.97	74.0	27.94	Peak	19.00	150	Horizontal	Pass
1**	1402.500	38.41	-15.97	54.0	15.59	AV	19.00	150	Horizontal	Pass
2	2438.500	104.17	-12.37	74.0	-30.17	Peak	15.00	150	Horizontal	N/A
2**	2438.500	101.06	-12.37	54.0	-47.06	AV	15.00	150	Horizontal	N/A
3	4874.500	51.29	-2.25	74.0	22.71	Peak	190.00	150	Horizontal	Pass
3**	4874.500	47.17	-2.25	54.0	6.83	AV	190.00	150	Horizontal	Pass
4	7742.500	53.86	1.33	74.0	20.14	Peak	355.00	150	Horizontal	Pass
4**	7742.500	43.67	1.33	54.0	10.33	AV	355.00	150	Horizontal	Pass
5	10325.000	46.99	-3.24	74.0	27.01	Peak	175.00	150	Horizontal	Pass
5**	10325.000	37.12	-3.24	54.0	16.88	AV	175.00	150	Horizontal	Pass
6	17592.500	50.57	0.68	74.0	23.43	Peak	360.00	150	Horizontal	Pass
6**	17592.500	40.21	0.68	54.0	13.79	AV	360.00	150	Horizontal	Pass

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

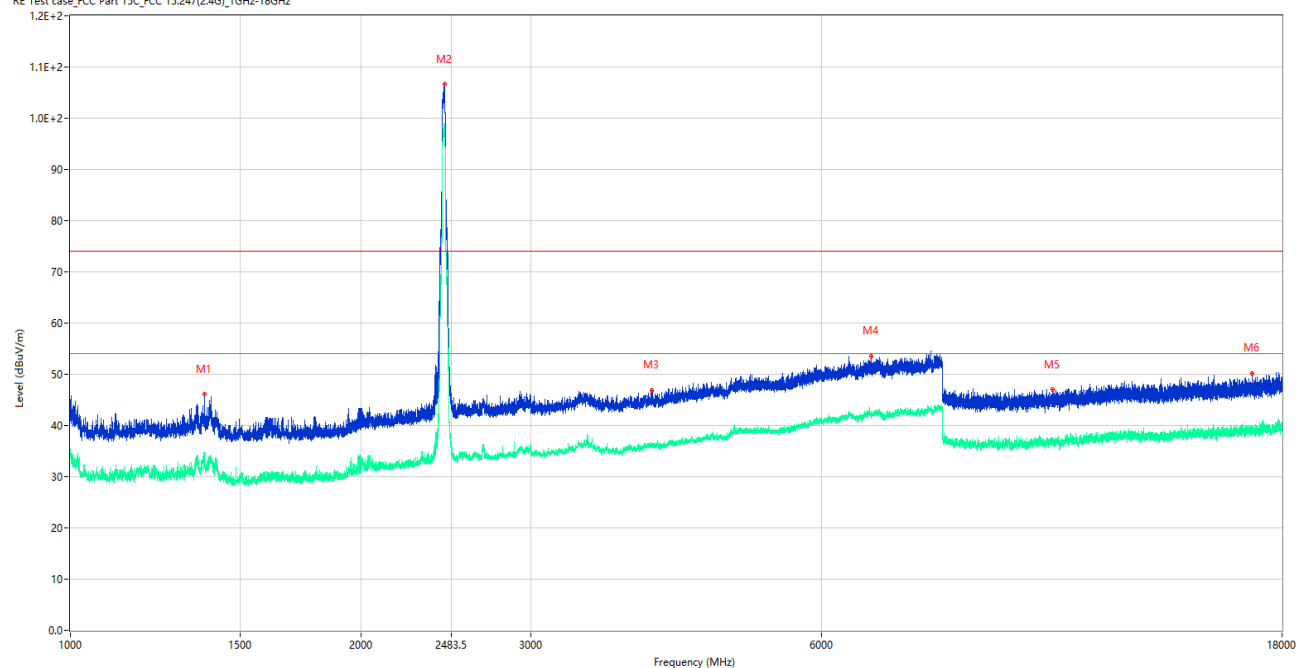
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1398.250	44.38	-16.00	74.0	29.62	Peak	193.00	150	Vertical	Pass
1**	1398.250	30.52	-16.00	54.0	23.48	AV	193.00	150	Vertical	Pass
2	2438.500	104.45	-12.37	74.0	-30.45	Peak	51.00	150	Vertical	N/A
2**	2438.500	101.21	-12.37	54.0	-47.21	AV	51.00	150	Vertical	N/A
3	4874.500	48.45	-2.25	74.0	25.55	Peak	84.00	150	Vertical	Pass
3**	4874.500	43.38	-2.25	54.0	10.62	AV	84.00	150	Vertical	Pass
4	7737.500	53.94	1.29	74.0	20.06	Peak	341.00	150	Vertical	Pass
4**	7737.500	43.23	1.29	54.0	10.77	AV	341.00	150	Vertical	Pass
5	10958.500	47.57	-3.34	74.0	26.43	Peak	0.00	150	Vertical	Pass
5**	10958.500	36.76	-3.34	54.0	17.24	AV	0.00	150	Vertical	Pass
6	16665.000	49.55	-1.31	74.0	24.45	Peak	327.00	150	Vertical	Pass
6**	16665.000	39.42	-1.31	54.0	14.58	AV	327.00	150	Vertical	Pass

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

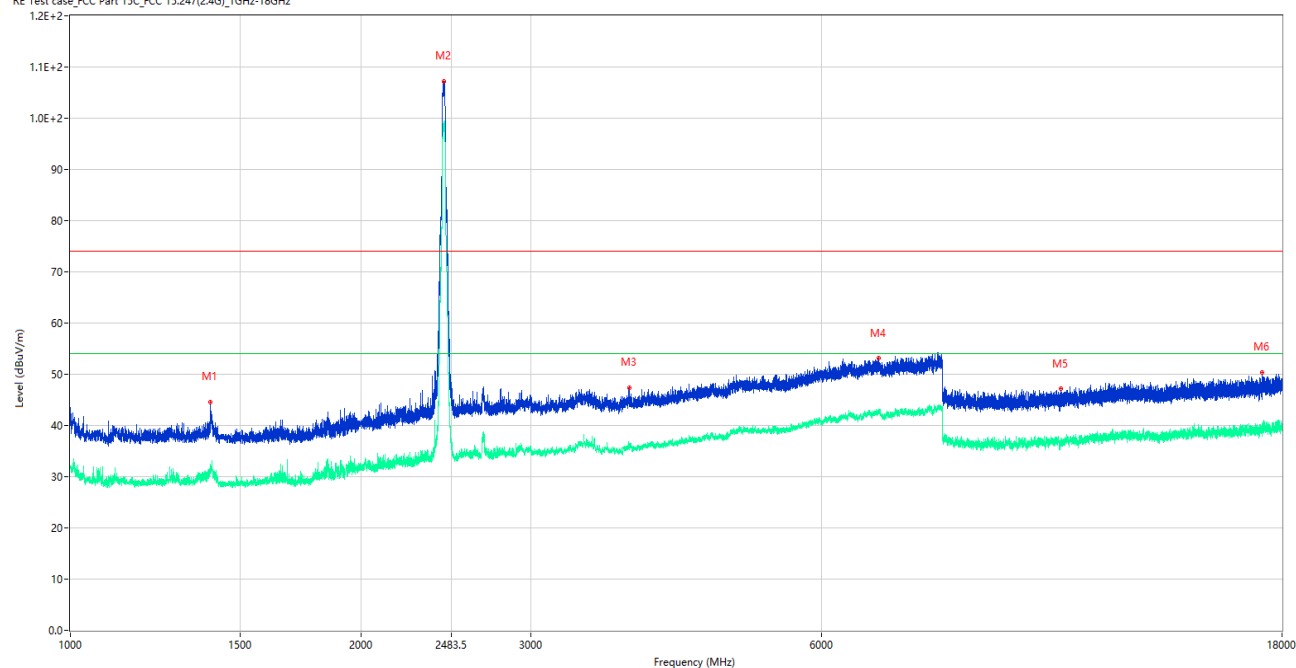
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1377.000	46.11	-16.00	74.0	27.89	Peak	94.00	150	Horizontal	Pass
1**	1377.000	32.48	-16.00	54.0	21.52	AV	94.00	150	Horizontal	Pass
2	2440.500	106.60	-12.38	74.0	-32.60	Peak	21.00	150	Horizontal	N/A
2**	2440.500	98.46	-12.38	54.0	-44.46	AV	21.00	150	Horizontal	N/A
3	4001.500	46.88	-4.82	74.0	27.12	Peak	241.00	150	Horizontal	Pass
3**	4001.500	36.05	-4.82	54.0	17.95	AV	241.00	150	Horizontal	Pass
4	6752.000	53.57	0.69	74.0	20.43	Peak	202.00	150	Horizontal	Pass
4**	6752.000	42.39	0.69	54.0	11.61	AV	202.00	150	Horizontal	Pass
5	10413.500	46.93	-3.29	74.0	27.07	Peak	96.00	150	Horizontal	Pass
5**	10413.500	36.75	-3.29	54.0	17.25	AV	96.00	150	Horizontal	Pass
6	16763.000	50.20	-1.53	74.0	23.80	Peak	66.00	150	Horizontal	Pass
6**	16763.000	38.61	-1.53	54.0	15.39	AV	66.00	150	Horizontal	Pass

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

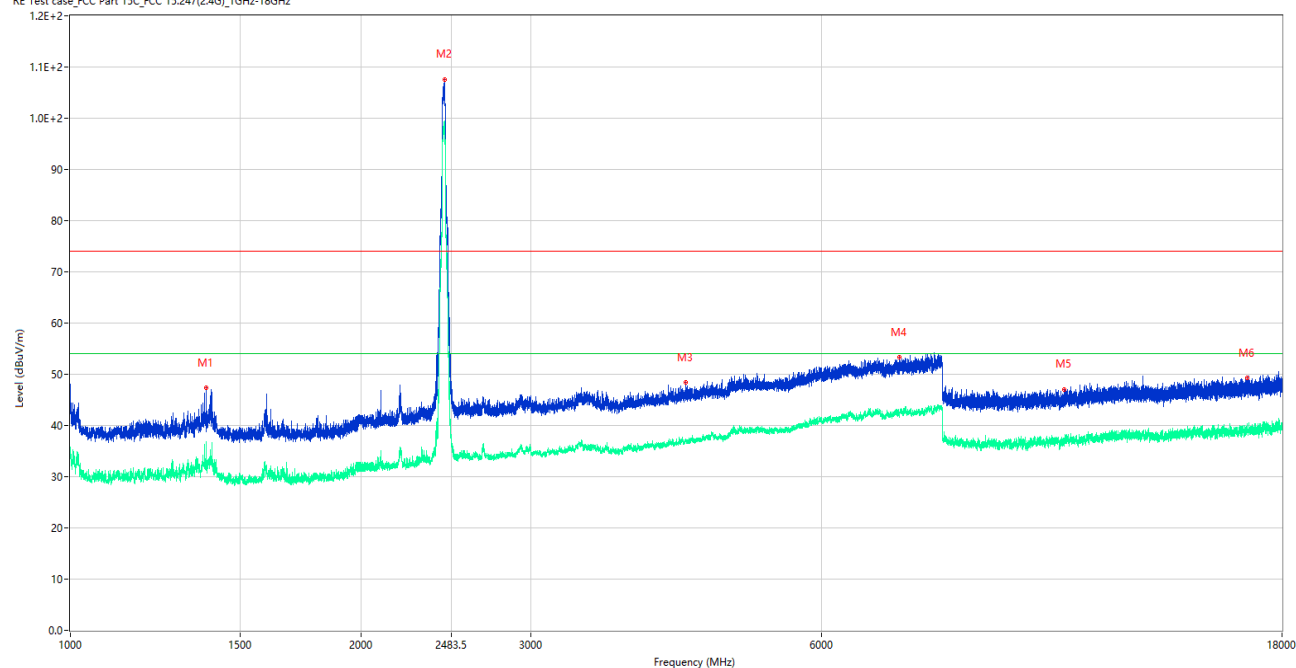
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1396.250	44.61	-16.03	74.0	29.39	Peak	201.00	150	Vertical	Pass
1**	1396.250	31.58	-16.03	54.0	22.42	AV	201.00	150	Vertical	Pass
2	2435.250	107.27	-12.29	74.0	-33.27	Peak	60.00	150	Vertical	N/A
2**	2435.250	98.63	-12.29	54.0	-44.63	AV	60.00	150	Vertical	N/A
3	3792.500	47.42	-5.20	74.0	26.58	Peak	199.00	150	Vertical	Pass
3**	3792.500	35.63	-5.20	54.0	18.37	AV	199.00	150	Vertical	Pass
4	6874.000	53.15	0.68	74.0	20.85	Peak	258.00	150	Vertical	Pass
4**	6874.000	42.70	0.68	54.0	11.30	AV	258.00	150	Vertical	Pass
5	10624.000	47.12	-4.05	74.0	26.88	Peak	60.00	150	Vertical	Pass
5**	10624.000	36.70	-4.05	54.0	17.30	AV	60.00	150	Vertical	Pass
6	17181.499	50.38	-0.04	74.0	23.62	Peak	90.00	150	Vertical	Pass
6**	17181.499	39.46	-0.04	54.0	14.54	AV	90.00	150	Vertical	Pass

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

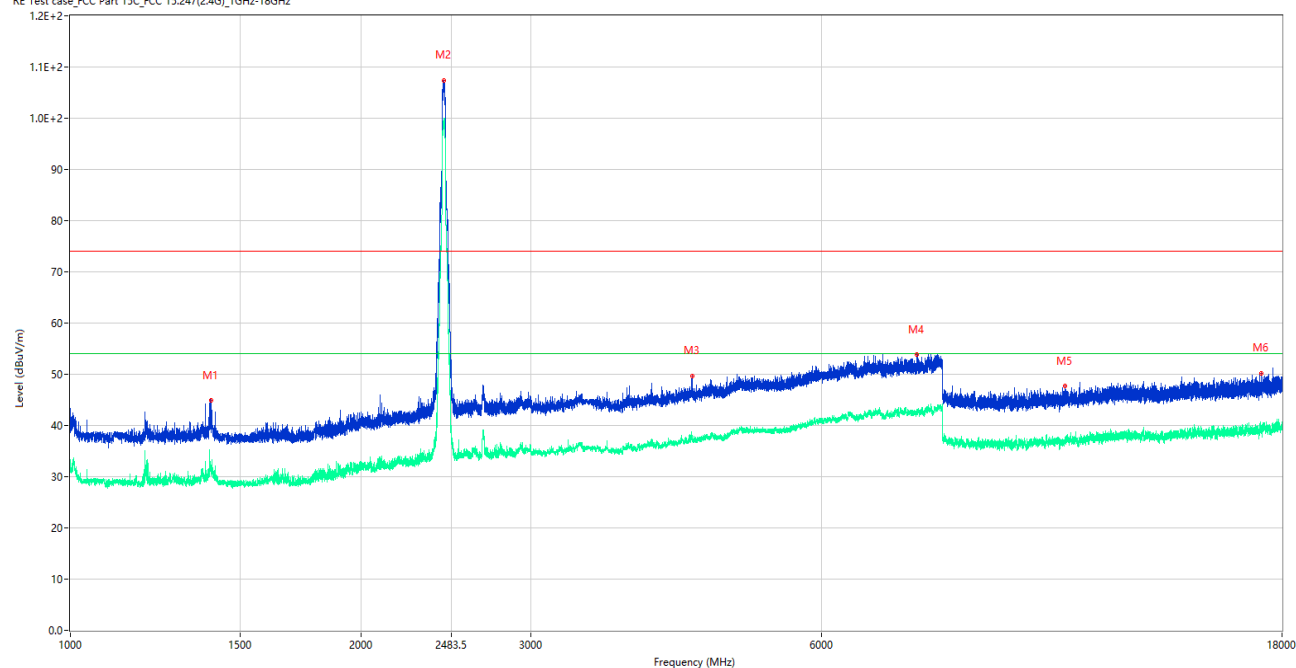
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.250	47.33	-15.97	74.0	26.67	Peak	0.00	150	Horizontal	Pass
1**	1383.250	31.38	-15.97	54.0	22.62	AV	0.00	150	Horizontal	Pass
2	2441.250	107.63	-12.40	74.0	-33.63	Peak	21.00	150	Horizontal	N/A
2**	2441.250	99.36	-12.40	54.0	-45.36	AV	21.00	150	Horizontal	N/A
3	4338.500	48.46	-3.10	74.0	25.54	Peak	18.00	150	Horizontal	Pass
3**	4338.500	37.40	-3.10	54.0	16.60	AV	18.00	150	Horizontal	Pass
4	7220.500	53.42	0.38	74.0	20.58	Peak	265.00	150	Horizontal	Pass
4**	7220.500	42.02	0.38	54.0	11.98	AV	265.00	150	Horizontal	Pass
5	10704.500	47.02	-4.07	74.0	26.98	Peak	0.00	150	Horizontal	Pass
5**	10704.500	35.79	-4.07	54.0	18.21	AV	0.00	150	Horizontal	Pass
6	16578.500	49.35	-0.79	74.0	24.65	Peak	0.00	150	Horizontal	Pass
6**	16578.500	38.87	-0.79	54.0	15.13	AV	0.00	150	Horizontal	Pass

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

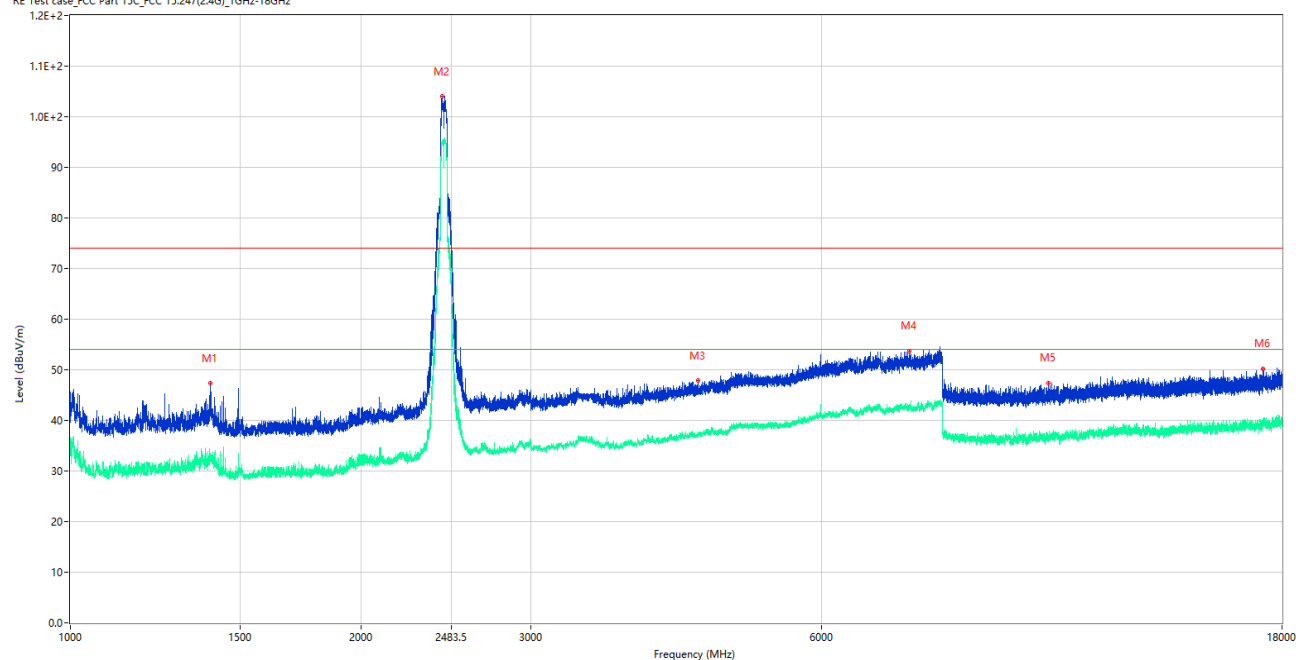
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1398.500	44.99	-16.00	74.0	29.01	Peak	201.00	150	Vertical	Pass
1**	1398.500	30.23	-16.00	54.0	23.77	AV	201.00	150	Vertical	Pass
2	2439.750	107.30	-12.37	74.0	-33.30	Peak	65.00	150	Vertical	N/A
2**	2439.750	99.89	-12.37	54.0	-45.89	AV	65.00	150	Vertical	N/A
3	4405.500	49.67	-3.02	74.0	24.33	Peak	335.00	150	Vertical	Pass
3**	4405.500	37.53	-3.02	54.0	16.47	AV	335.00	150	Vertical	Pass
4	7529.500	53.78	0.65	74.0	20.22	Peak	120.00	150	Vertical	Pass
4**	7529.500	42.48	0.65	54.0	11.52	AV	120.00	150	Vertical	Pass
5	10729.000	47.65	-3.75	74.0	26.35	Peak	62.00	150	Vertical	Pass
5**	10729.000	37.22	-3.75	54.0	16.78	AV	62.00	150	Vertical	Pass
6	17148.000	50.13	-0.17	74.0	23.87	Peak	119.00	150	Vertical	Pass
6**	17148.000	38.62	-0.17	54.0	15.38	AV	119.00	150	Vertical	Pass

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

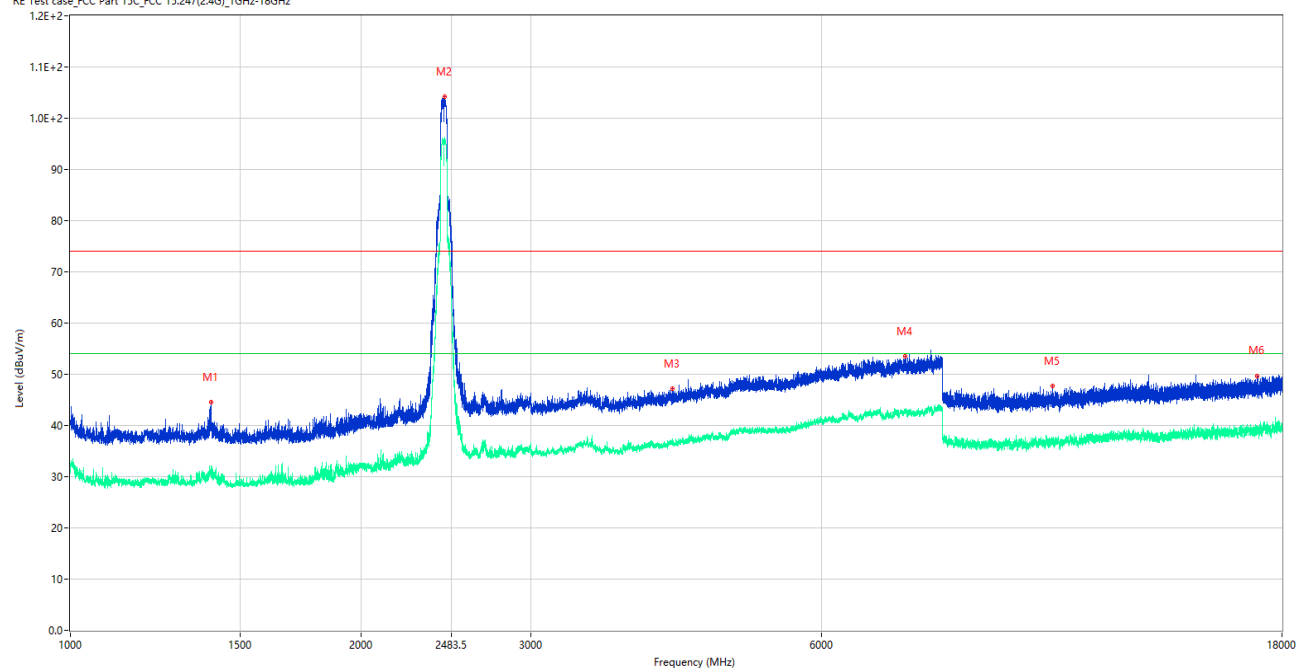
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1397.750	47.34	-16.01	74.0	26.66	Peak	219.00	150	Horizontal	Pass
1**	1397.750	33.07	-16.01	54.0	20.93	AV	219.00	150	Horizontal	Pass
2	2429.250	104.03	-12.25	74.0	-30.03	Peak	13.00	150	Horizontal	N/A
2**	2429.250	94.93	-12.25	54.0	-40.93	AV	13.00	150	Horizontal	N/A
3	4472.000	47.84	-3.79	74.0	26.16	Peak	259.00	150	Horizontal	Pass
3**	4472.000	37.05	-3.79	54.0	16.95	AV	259.00	150	Horizontal	Pass
4	7393.000	53.63	0.75	74.0	20.37	Peak	139.00	150	Horizontal	Pass
4**	7393.000	42.18	0.75	54.0	11.82	AV	139.00	150	Horizontal	Pass
5	10315.500	47.40	-3.22	74.0	26.60	Peak	178.00	150	Horizontal	Pass
5**	10315.500	36.94	-3.22	54.0	17.06	AV	178.00	150	Horizontal	Pass
6	17184.500	50.24	0.17	74.0	23.76	Peak	207.00	150	Horizontal	Pass
6**	17184.500	39.24	0.17	54.0	14.76	AV	207.00	150	Horizontal	Pass

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

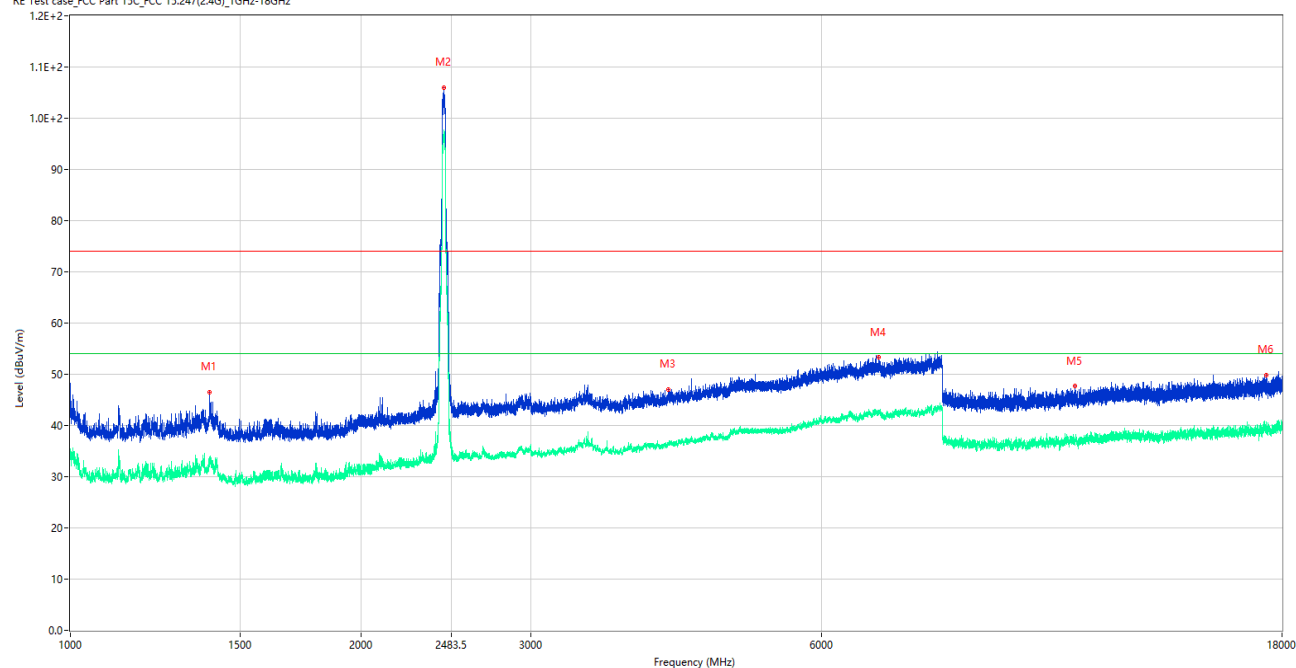
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1398.000	44.55	-16.01	74.0	29.45	Peak	206.00	150	Vertical	Pass
1**	1398.000	30.70	-16.01	54.0	23.30	AV	206.00	150	Vertical	Pass
2	2442.750	104.16	-12.45	74.0	-30.16	Peak	52.00	150	Vertical	N/A
2**	2442.750	95.76	-12.45	54.0	-41.76	AV	52.00	150	Vertical	N/A
3	4203.500	47.11	-3.31	74.0	26.89	Peak	131.00	150	Vertical	Pass
3**	4203.500	37.35	-3.31	54.0	16.65	AV	131.00	150	Vertical	Pass
4	7319.000	53.48	0.70	74.0	20.52	Peak	174.00	150	Vertical	Pass
4**	7319.000	42.96	0.70	54.0	11.04	AV	174.00	150	Vertical	Pass
5	10412.000	47.71	-3.30	74.0	26.29	Peak	96.00	150	Vertical	Pass
5**	10412.000	37.11	-3.30	54.0	16.89	AV	96.00	150	Vertical	Pass
6	16970.000	49.72	-1.50	74.0	24.28	Peak	0.00	150	Vertical	Pass
6**	16970.000	38.15	-1.50	54.0	15.85	AV	0.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

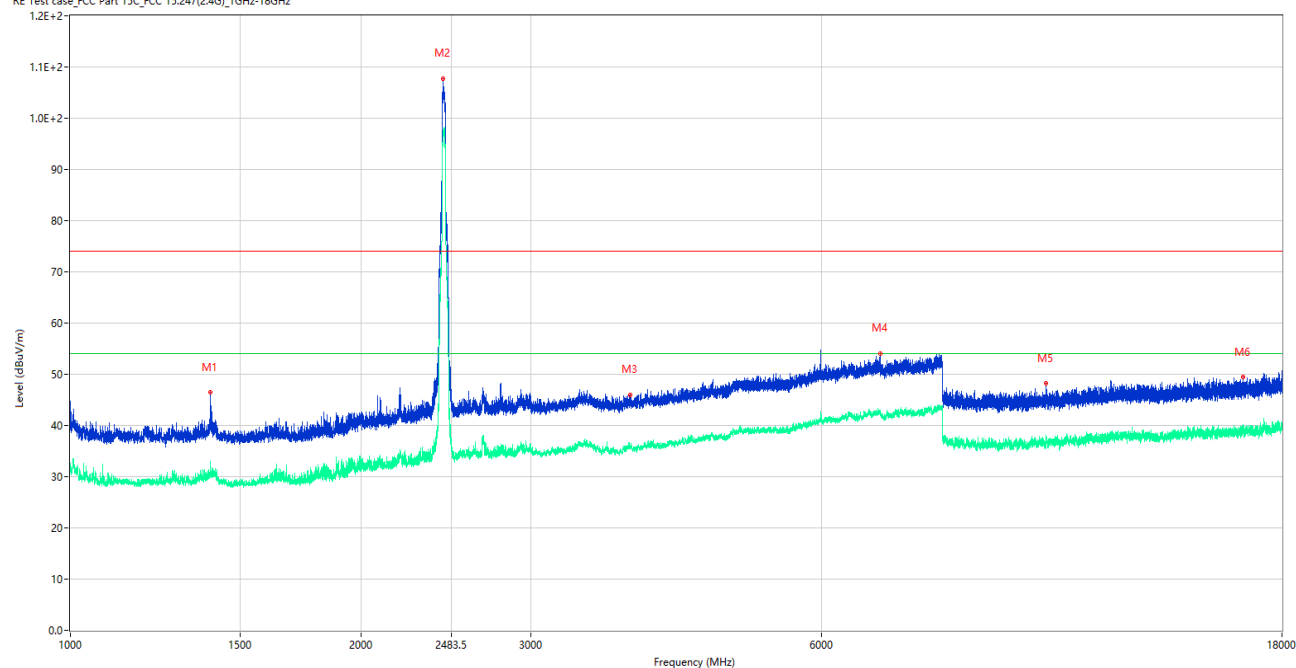
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1394.250	46.52	-16.00	74.0	27.48	Peak	359.00	150	Horizontal	Pass
1**	1394.250	32.18	-16.00	54.0	21.82	AV	359.00	150	Horizontal	Pass
2	2438.250	105.99	-12.38	74.0	-31.99	Peak	19.00	150	Horizontal	N/A
2**	2438.250	96.34	-12.38	54.0	-42.34	AV	19.00	150	Horizontal	N/A
3	4167.500	47.05	-4.43	74.0	26.95	Peak	283.00	150	Horizontal	Pass
3**	4167.500	36.29	-4.43	54.0	17.71	AV	283.00	150	Horizontal	Pass
4	6880.500	53.32	0.63	74.0	20.68	Peak	302.00	150	Horizontal	Pass
4**	6880.500	42.21	0.63	54.0	11.79	AV	302.00	150	Horizontal	Pass
5	10987.000	47.65	-3.41	74.0	26.35	Peak	181.00	150	Horizontal	Pass
5**	10987.000	36.84	-3.41	54.0	17.16	AV	181.00	150	Horizontal	Pass
6	17325.500	49.83	-0.71	74.0	24.17	Peak	326.00	150	Horizontal	Pass
6**	17325.500	39.24	-0.71	54.0	14.76	AV	326.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

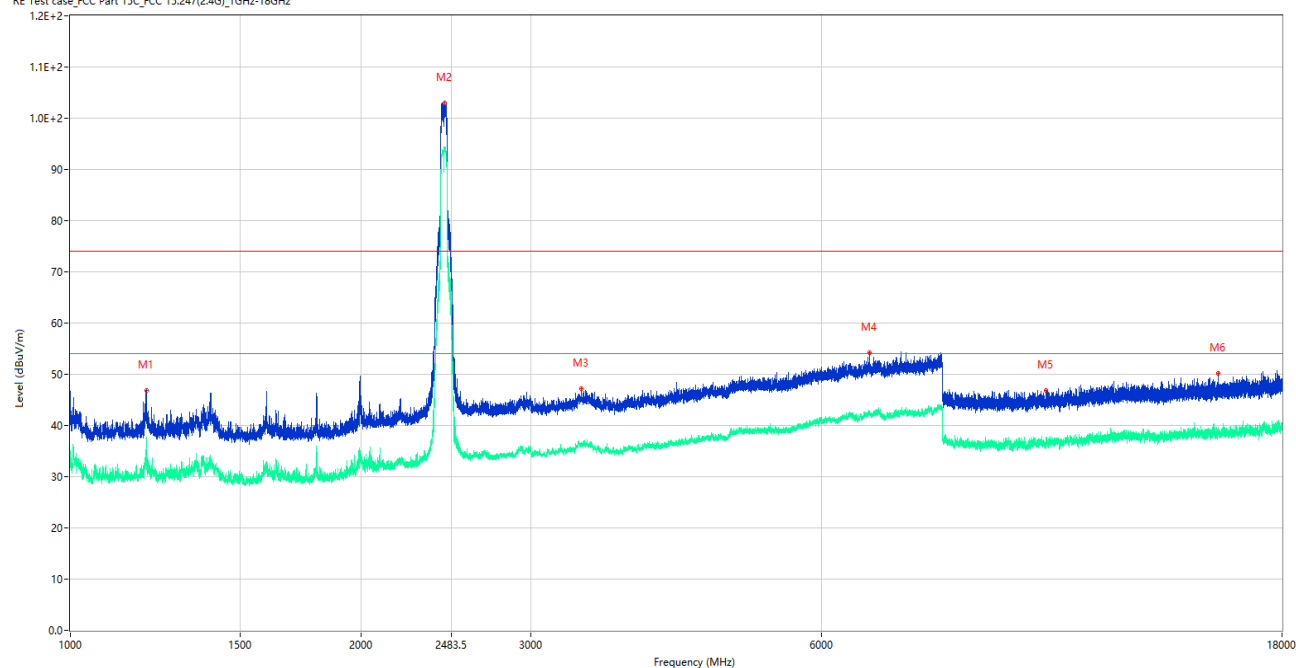
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1396.000	46.51	-16.03	74.0	27.49	Peak	209.00	150	Vertical	Pass
1**	1396.000	30.23	-16.03	54.0	23.77	AV	209.00	150	Vertical	Pass
2	2433.250	107.72	-12.31	74.0	-33.72	Peak	65.00	150	Vertical	N/A
2**	2433.250	97.68	-12.31	54.0	-43.68	AV	65.00	150	Vertical	N/A
3	3800.500	45.96	-4.64	74.0	28.04	Peak	109.00	150	Vertical	Pass
3**	3800.500	36.16	-4.64	54.0	17.84	AV	109.00	150	Vertical	Pass
4	6898.000	54.05	0.62	74.0	19.95	Peak	40.00	150	Vertical	Pass
4**	6898.000	42.67	0.62	54.0	11.33	AV	40.00	150	Vertical	Pass
5	10252.000	48.19	-3.14	74.0	25.81	Peak	236.00	150	Vertical	Pass
5**	10252.000	36.70	-3.14	54.0	17.30	AV	236.00	150	Vertical	Pass
6	16416.000	49.46	-1.69	74.0	24.54	Peak	32.00	150	Vertical	Pass
6**	16416.000	39.09	-1.69	54.0	14.91	AV	32.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

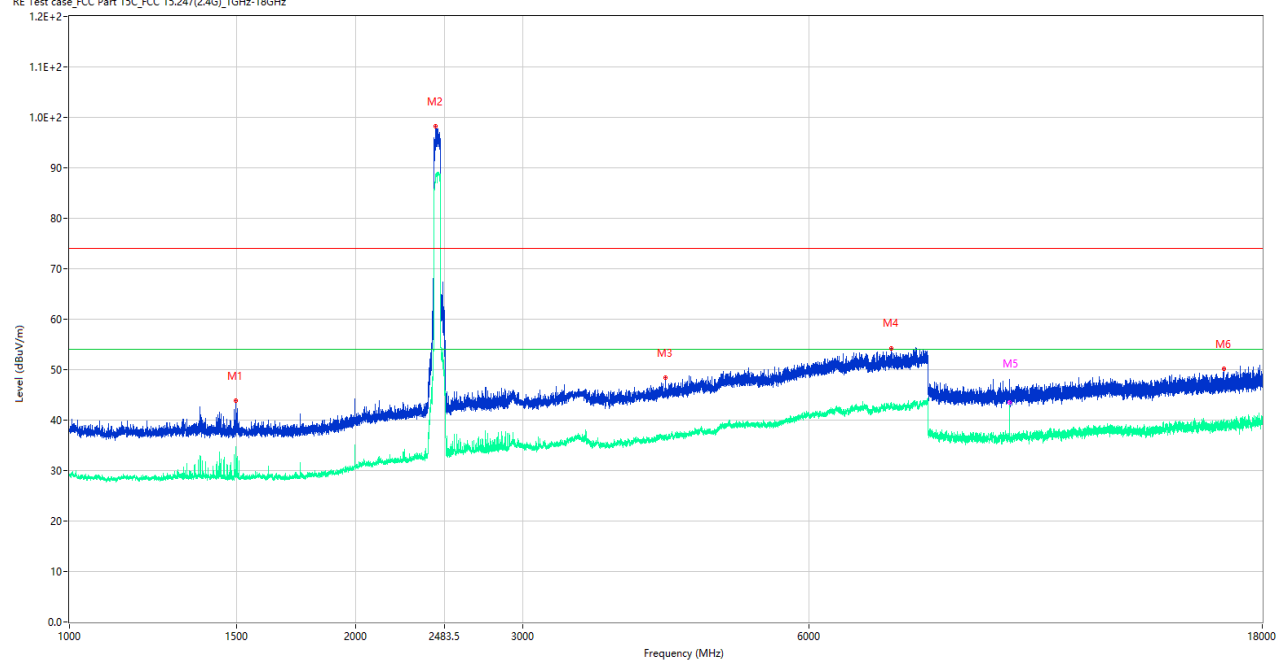
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.250	46.91	-15.74	74.0	27.09	Peak	68.00	150	Horizontal	Pass
1**	1198.250	34.91	-15.74	54.0	19.09	AV	68.00	150	Horizontal	Pass
2	2444.000	103.00	-12.47	74.0	-29.00	Peak	46.00	150	Horizontal	N/A
2**	2444.000	93.92	-12.47	54.0	-39.92	AV	46.00	150	Horizontal	N/A
3	3386.500	47.19	-5.54	74.0	26.81	Peak	197.00	150	Horizontal	Pass
3**	3386.500	36.44	-5.54	54.0	17.56	AV	197.00	150	Horizontal	Pass
4	6725.500	54.26	0.59	74.0	19.74	Peak	60.00	150	Horizontal	Pass
4**	6725.500	42.41	0.59	54.0	11.59	AV	60.00	150	Horizontal	Pass
5	10254.000	46.92	-3.20	74.0	27.08	Peak	118.00	150	Horizontal	Pass
5**	10254.000	36.93	-3.20	54.0	17.07	AV	118.00	150	Horizontal	Pass
6	15454.000	50.18	-2.18	74.0	23.82	Peak	291.00	150	Horizontal	Pass
6**	15454.000	39.37	-2.18	54.0	14.63	AV	291.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) 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	1497.750	43.78	-16.14	74.0	30.22	Peak	68.00	150	Vertical	Pass
1**	1497.750	29.68	-16.14	54.0	24.32	AV	68.00	150	Vertical	Pass
2	2429.250	98.22	-12.25	74.0	-24.22	Peak	46.00	150	Vertical	N/A
2**	2429.250	88.26	-12.25	54.0	-34.26	AV	46.00	150	Vertical	N/A
3	4242.000	48.37	-3.38	74.0	25.63	Peak	197.00	150	Vertical	Pass
3**	4242.000	37.07	-3.38	54.0	16.93	AV	197.00	150	Vertical	Pass
4	7328.500	54.28	0.81	74.0	19.72	Peak	60.00	150	Vertical	Pass
4**	7328.500	42.82	0.81	54.0	11.18	AV	60.00	150	Vertical	Pass
5	9748.500	46.89	-3.75	74.0	27.11	Peak	118.00	150	Vertical	Pass
5**	9748.500	43.47	-3.75	54.0	10.53	AV	118.00	150	Vertical	Pass
6	16393.500	50.13	-1.12	74.0	23.87	Peak	291.00	150	Vertical	Pass
6**	16393.500	39.96	-1.12	54.0	14.04	AV	291.00	150	Vertical	Pass

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

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

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

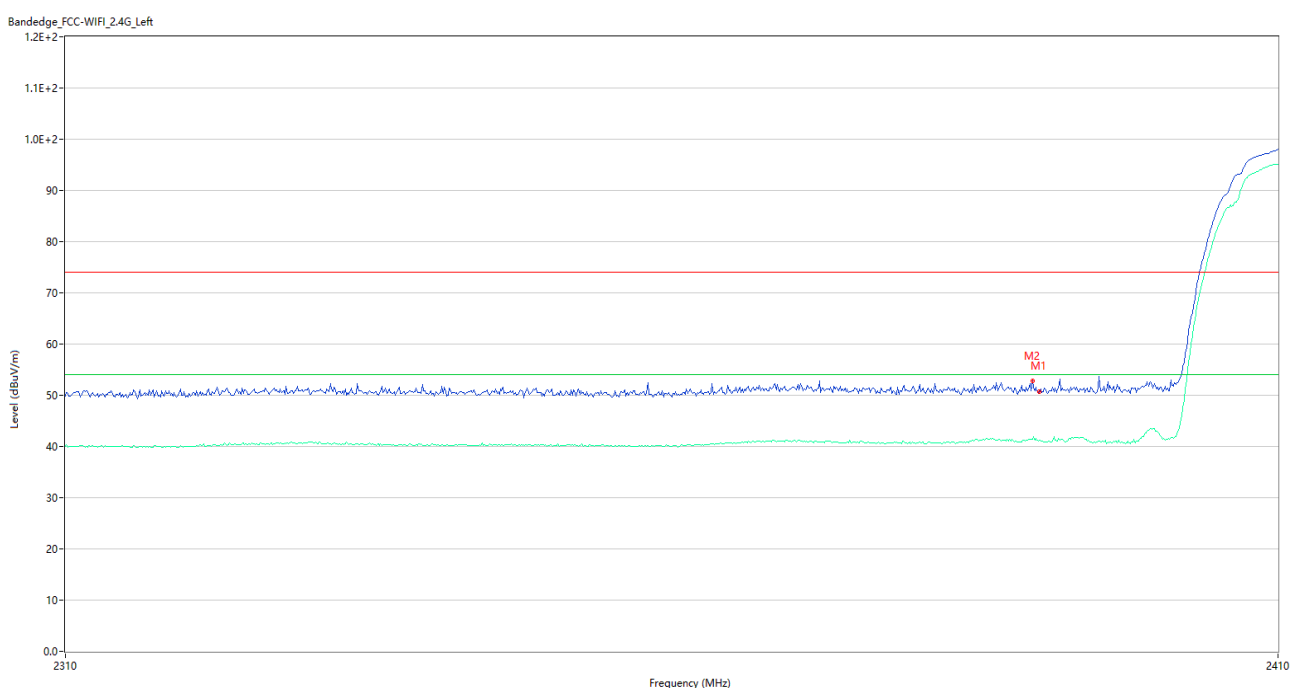
Note 3: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

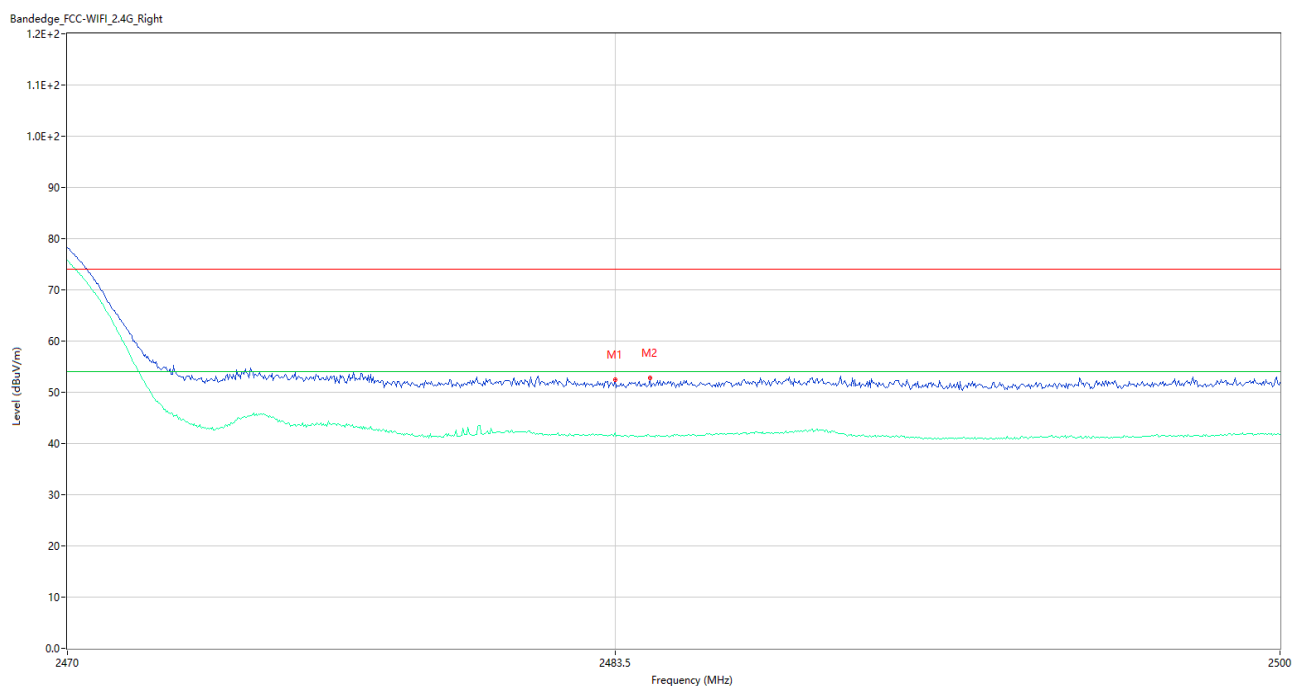
Main Antenna

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	50.77	-4.87	74.0	23.23	Peak	359.89	150	Horizontal	Pass
1**	2390.000	41.21	-4.87	54.0	12.79	AV	359.89	150	Horizontal	Pass
2	2389.400	52.86	-4.84	74.0	21.14	Peak	182.00	150	Horizontal	Pass
2**	2389.400	41.36	-4.84	54.0	12.64	AV	182.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



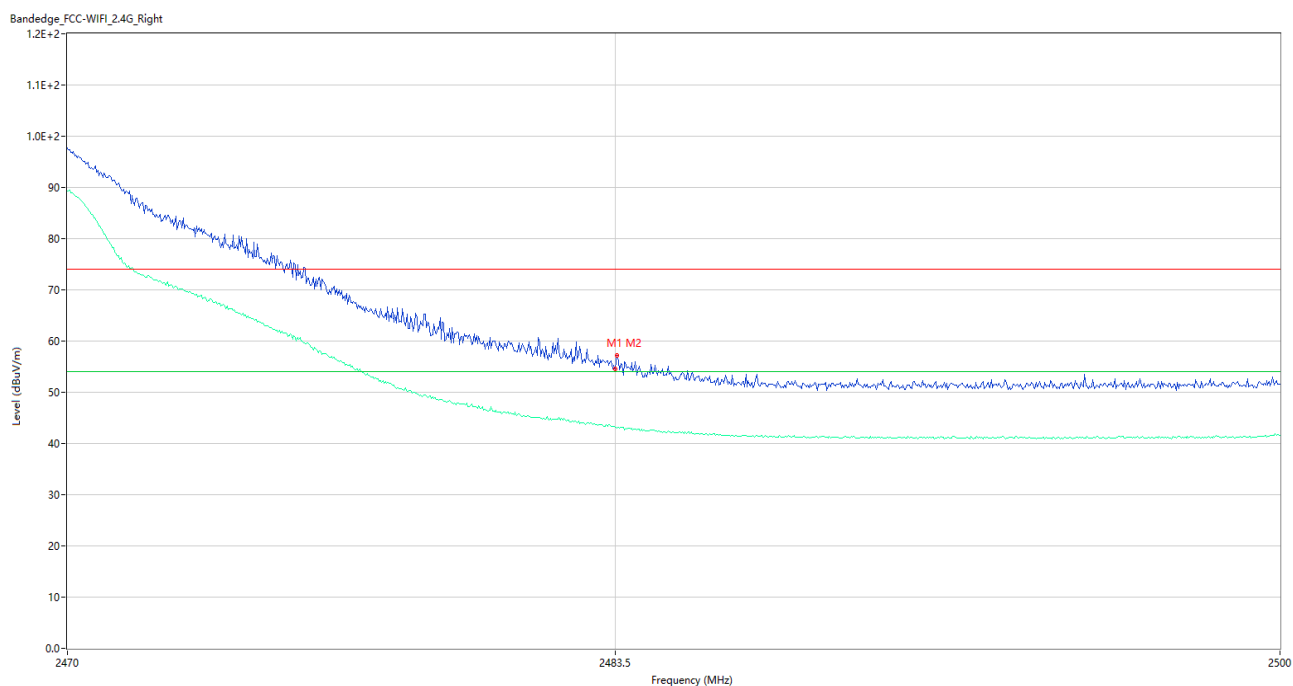
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.48	-3.78	74.0	21.52	Peak	57.00	150	Vertical	Pass
1**	2483.500	42.13	-3.78	54.0	11.87	AV	57.00	150	Vertical	Pass
2	2484.370	52.81	-3.78	74.0	21.19	Peak	81.00	150	Vertical	Pass
2**	2484.370	41.45	-3.78	54.0	12.55	AV	81.00	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	50.89	-4.87	74.0	23.11	Peak	53.38	150	Horizontal	Pass
1**	2390.000	40.71	-4.87	54.0	13.29	AV	53.38	150	Horizontal	Pass
2	2369.000	52.51	-4.11	74.0	21.49	Peak	57.00	150	Horizontal	Pass
2**	2369.000	41.06	-4.11	54.0	12.94	AV	57.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



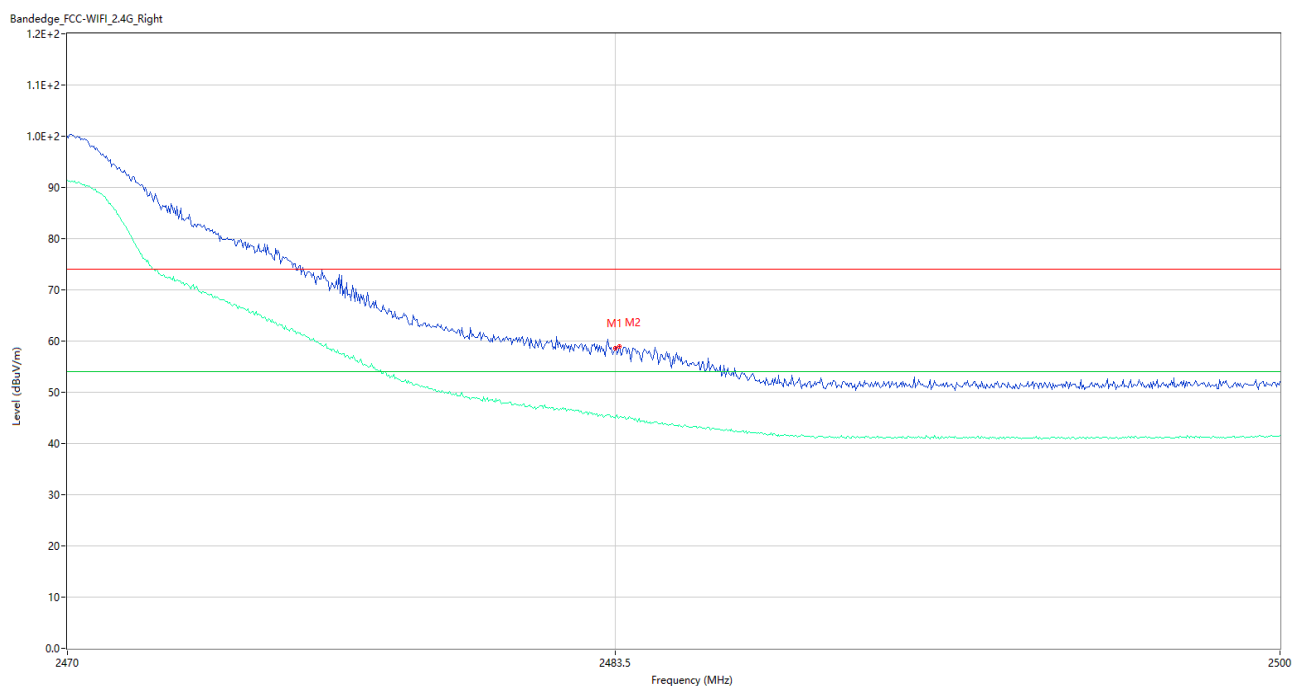
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.61	-3.78	74.0	19.39	Peak	360.00	150	Horizontal	Pass
1**	2483.500	43.19	-3.78	54.0	10.81	AV	360.00	150	Horizontal	Pass
2	2483.560	57.25	-3.78	74.0	16.75	Peak	360.00	150	Horizontal	Pass
2**	2483.560	42.94	-3.78	54.0	11.06	AV	360.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



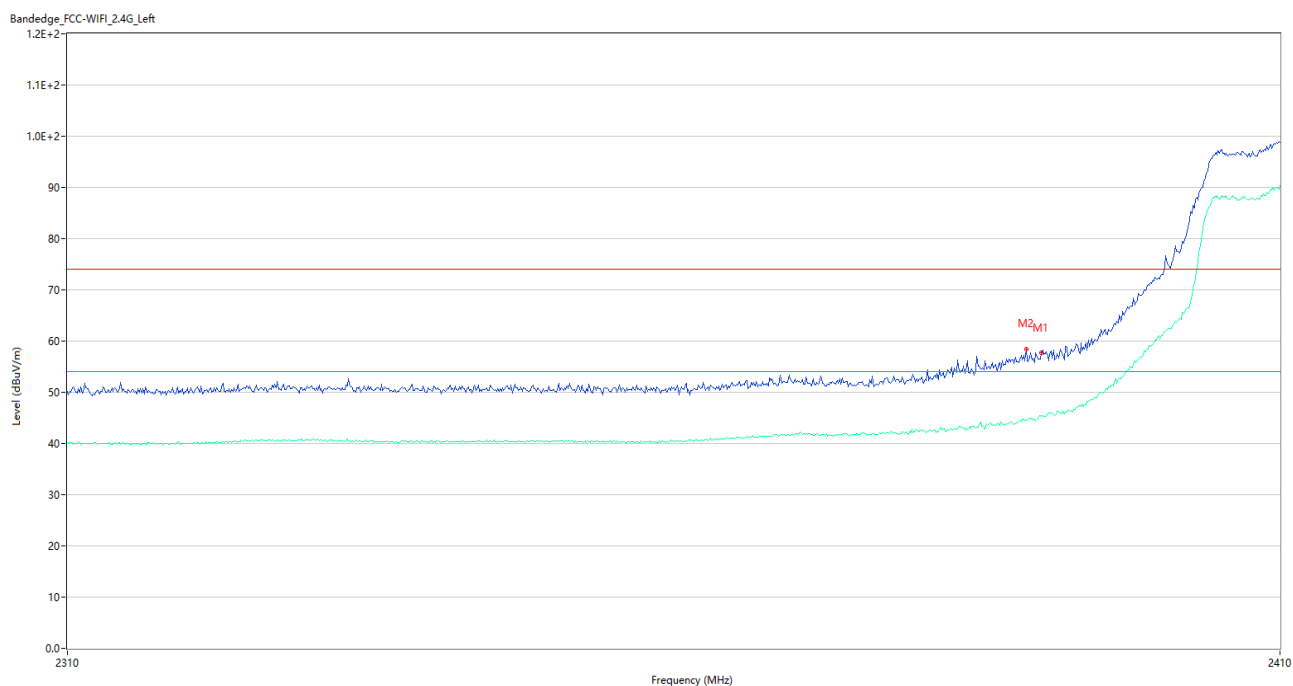
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.16	-4.87	74.0	22.84	Peak	155.86	150	Horizontal	Pass
1**	2390.000	40.81	-4.87	54.0	13.19	AV	155.86	150	Horizontal	Pass
2	2369.400	52.69	-4.07	74.0	21.31	Peak	69.00	150	Horizontal	Pass
2**	2369.400	41.23	-4.07	54.0	12.77	AV	69.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



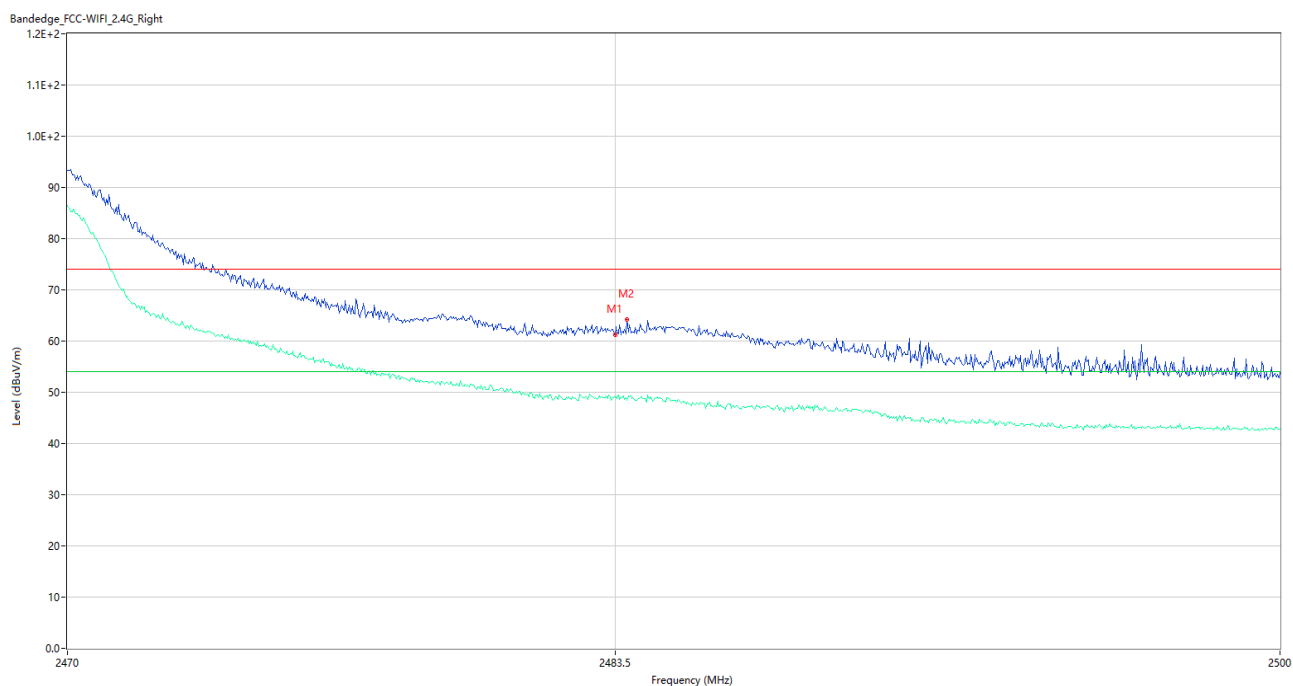
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.54	-3.78	74.0	15.46	Peak	360.00	150	Vertical	Pass
1**	2483.500	44.98	-3.78	54.0	9.02	AV	360.00	150	Vertical	Pass
2	2483.620	58.92	-3.78	74.0	15.08	Peak	360.00	150	Vertical	Pass
2**	2483.620	45.10	-3.78	54.0	8.90	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	57.69	-4.87	74.0	16.31	Peak	20.99	150	Horizontal	Pass
1**	2390.000	45.24	-4.87	54.0	8.76	AV	20.99	150	Horizontal	Pass
2	2388.700	58.40	-4.80	74.0	15.60	Peak	11.00	150	Horizontal	Pass
2**	2388.700	44.53	-4.80	54.0	9.47	AV	11.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



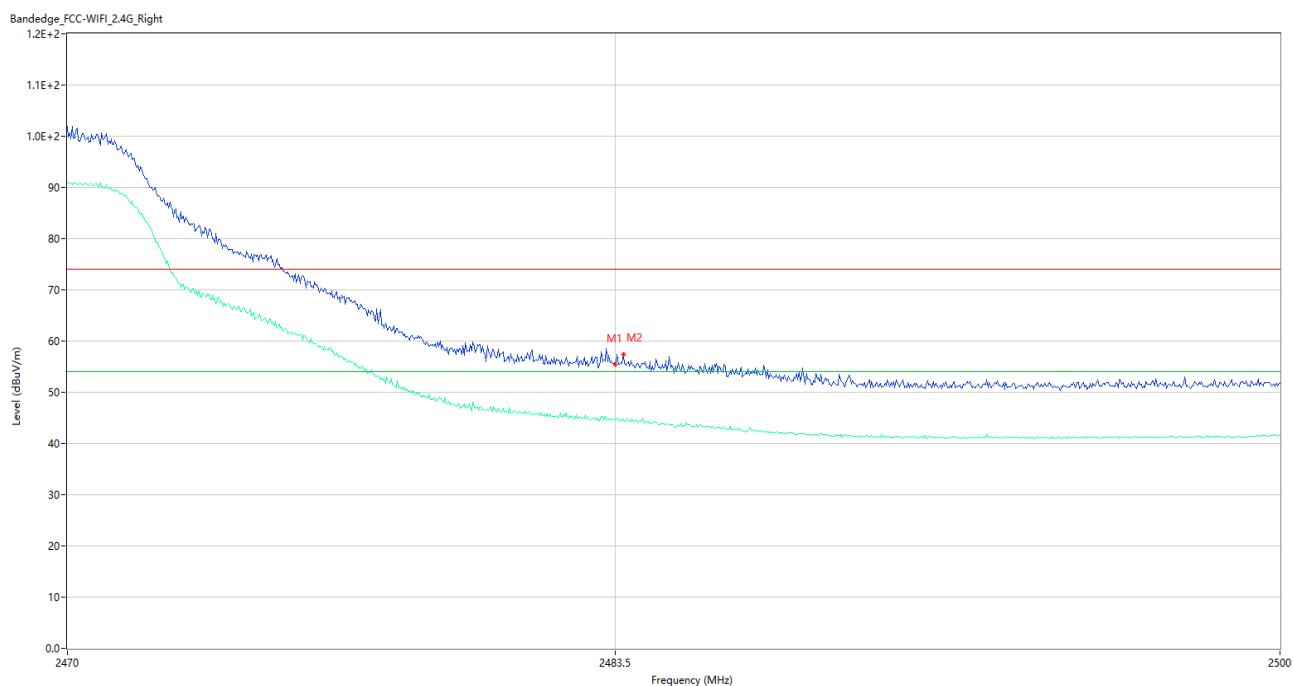
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	61.27	-3.78	74.0	12.73	Peak	167.00	150	Vertical	Pass
1**	2483.500	49.18	-3.78	54.0	4.82	AV	167.00	150	Vertical	Pass
2	2483.800	64.28	-3.78	74.0	9.72	Peak	167.00	150	Vertical	Pass
2**	2483.800	48.34	-3.78	54.0	5.66	AV	167.00	150	Vertical	Pass

802.11ax20(SU) LOW CHANNEL



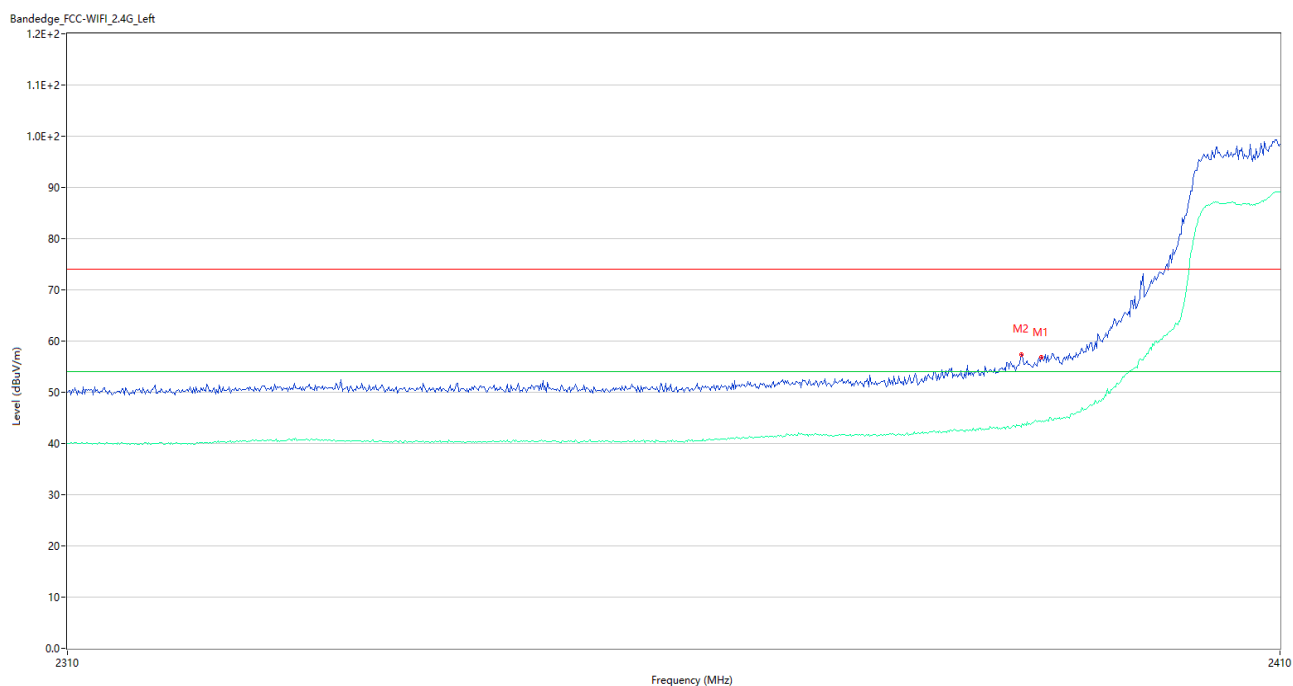
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.03	-4.87	74.0	22.97	Peak	20.98	150	Horizontal	Pass
1**	2390.000	41.14	-4.87	54.0	12.86	AV	20.98	150	Horizontal	Pass
2	2367.700	52.41	-4.26	74.0	21.59	Peak	360.00	150	Horizontal	Pass
2**	2367.700	40.87	-4.26	54.0	13.13	AV	360.00	150	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL



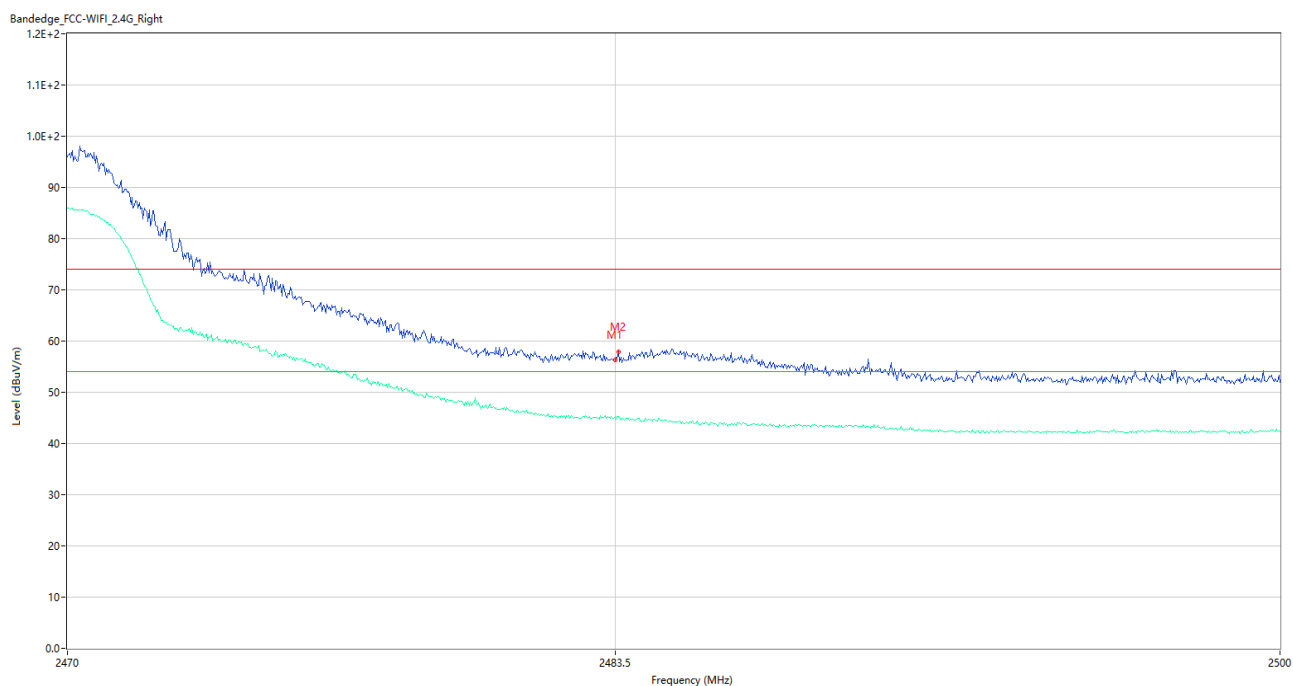
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.50	-3.78	74.0	18.50	Peak	296.00	150	Vertical	Pass
1**	2483.500	44.77	-3.78	54.0	9.23	AV	296.00	150	Vertical	Pass
2	2483.710	57.34	-3.78	74.0	16.66	Peak	305.00	150	Vertical	Pass
2**	2483.710	44.65	-3.78	54.0	9.35	AV	305.00	150	Vertical	Pass

802.11ax40(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	56.81	-4.87	74.0	17.19	Peak	8.99	150	Horizontal	Pass
1**	2390.000	44.19	-4.87	54.0	9.81	AV	8.99	150	Horizontal	Pass
2	2388.300	57.44	-4.78	74.0	16.56	Peak	0.00	150	Horizontal	Pass
2**	2388.300	43.22	-4.78	54.0	10.78	AV	0.00	150	Horizontal	Pass

802.11ax40(SU) 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	56.28	-3.78	74.0	17.72	Peak	233.00	150	Vertical	Pass
1**	2483.500	45.20	-3.78	54.0	8.80	AV	233.00	150	Vertical	Pass
2	2483.590	57.81	-3.78	74.0	16.19	Peak	239.00	150	Vertical	Pass
2**	2483.590	45.22	-3.78	54.0	8.78	AV	239.00	150	Vertical	Pass

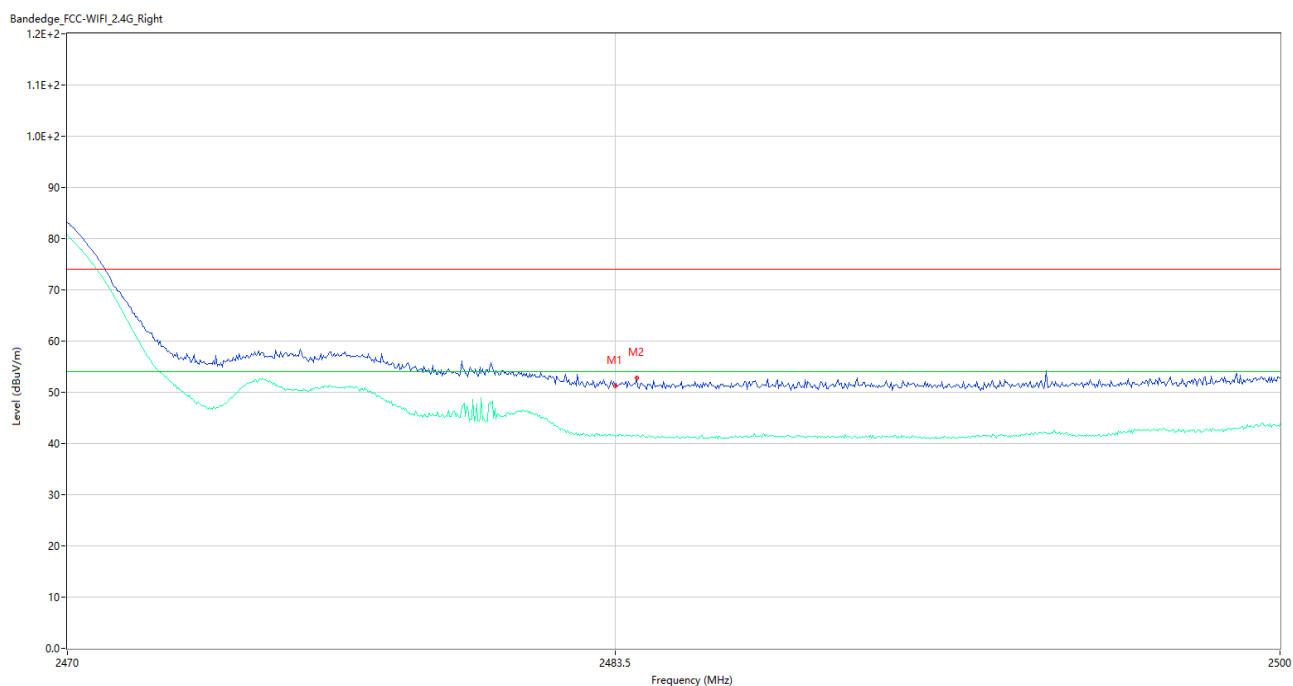
Aux Antenna

802.11b LOW CHANNEL



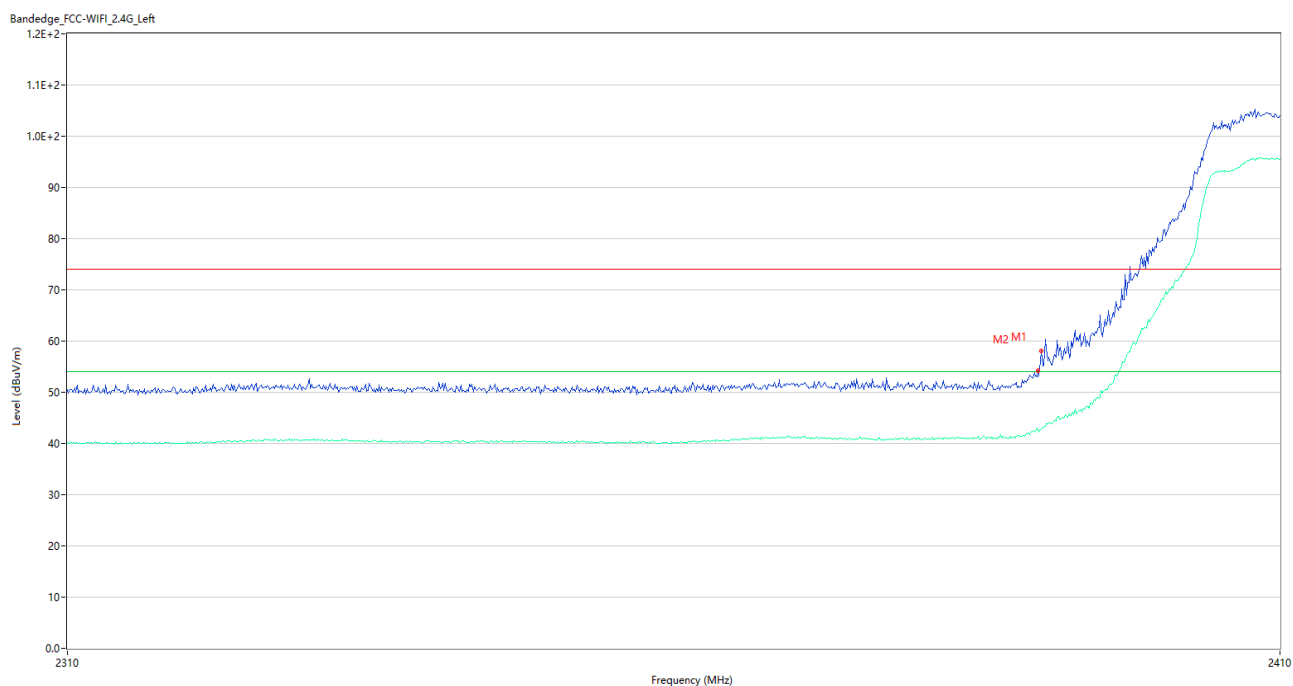
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.84	-4.87	74.0	23.16	Peak	118.98	150	Vertical	Pass
1**	2390.000	40.78	-4.87	54.0	13.22	AV	118.98	150	Vertical	Pass
2	2385.700	52.37	-4.62	74.0	21.63	Peak	343.00	150	Vertical	Pass
2**	2385.700	42.23	-4.62	54.0	11.77	AV	343.00	150	Vertical	Pass

802.11b HIGH CHANNEL



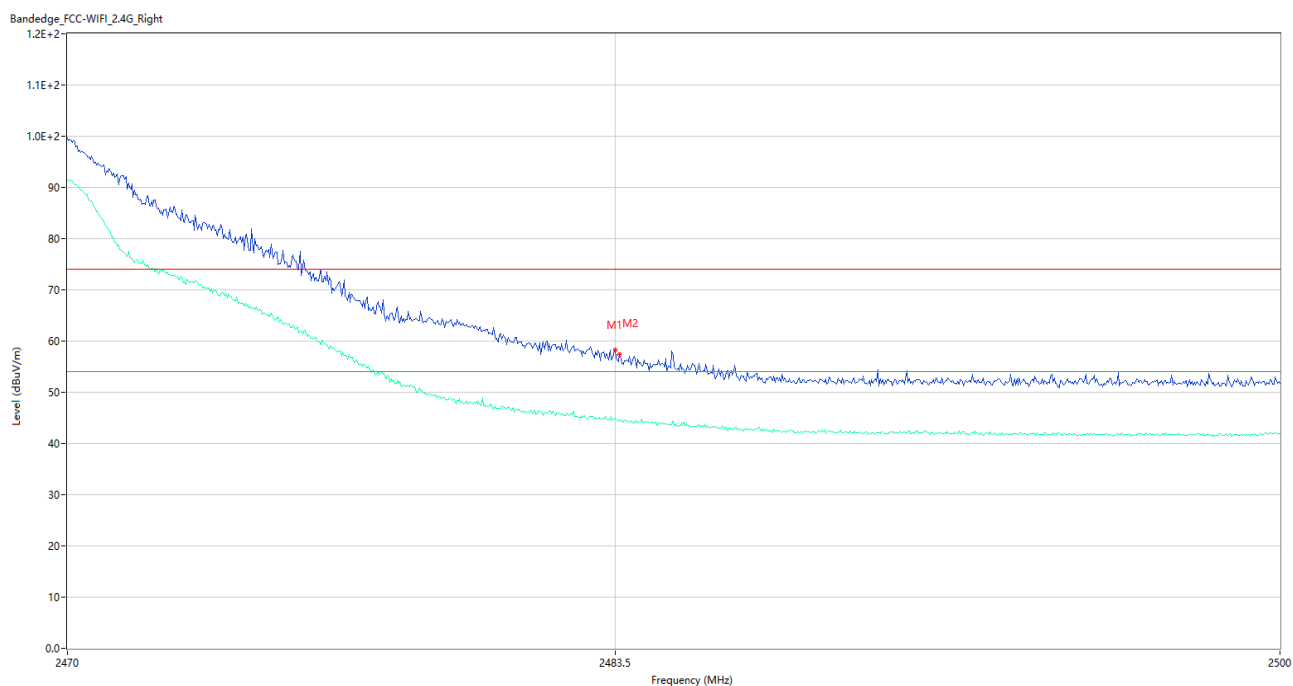
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.16	-3.78	74.0	22.84	Peak	104.00	150	Vertical	Pass
1**	2483.500	41.60	-3.78	54.0	12.40	AV	104.00	150	Vertical	Pass
2	2484.040	52.83	-3.78	74.0	21.17	Peak	255.00	150	Vertical	Pass
2**	2484.040	41.69	-3.78	54.0	12.31	AV	255.00	150	Vertical	Pass

802.11g LOW CHANNEL



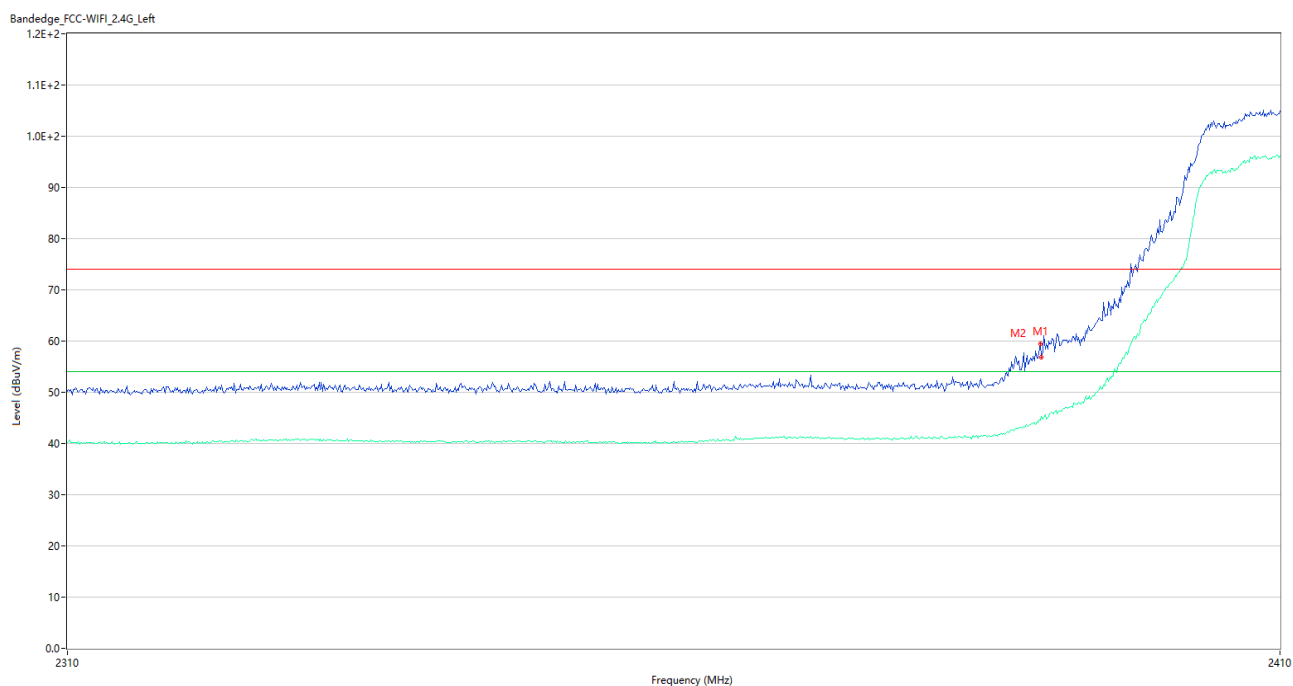
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.14	-4.87	74.0	15.86	Peak	20.99	150	Horizontal	Pass
1**	2390.000	42.87	-4.87	54.0	11.13	AV	20.99	150	Horizontal	Pass
2	2389.700	54.14	-4.86	74.0	19.86	Peak	55.00	150	Horizontal	Pass
2**	2389.700	42.53	-4.86	54.0	11.47	AV	55.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



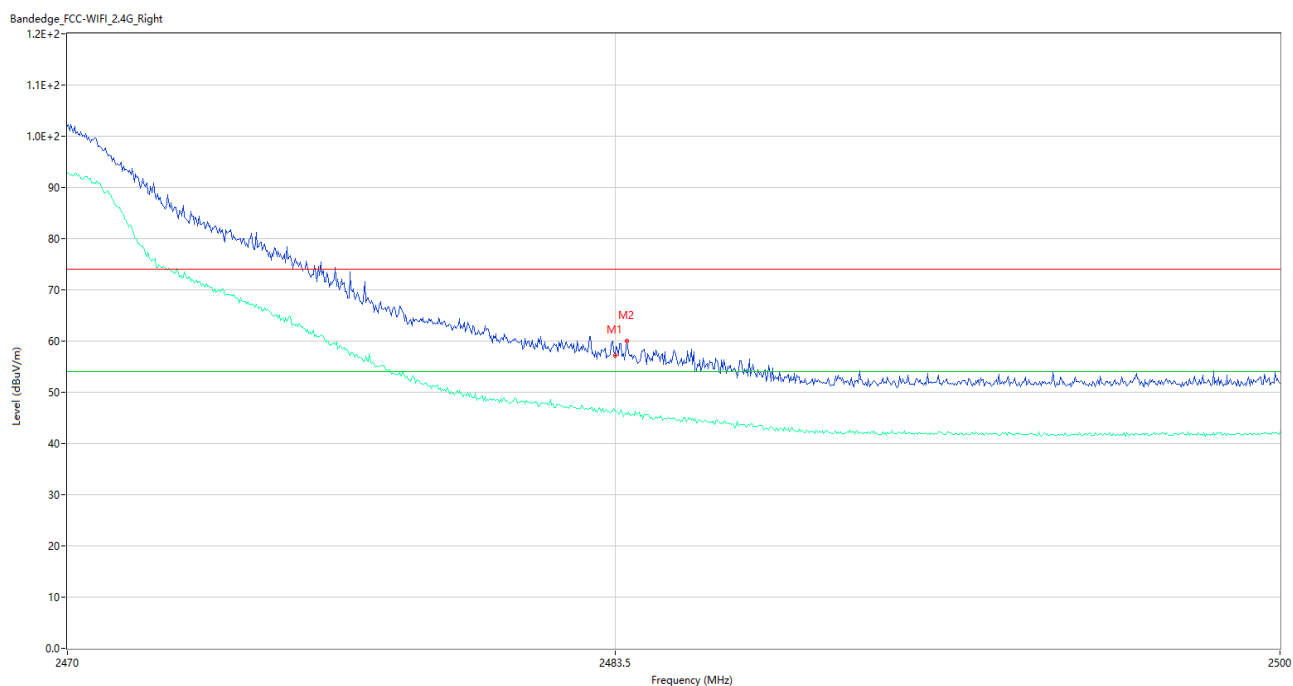
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.32	-3.78	74.0	15.68	Peak	15.00	150	Horizontal	Pass
1**	2483.500	44.82	-3.78	54.0	9.18	AV	15.00	150	Horizontal	Pass
2	2483.620	57.32	-3.78	74.0	16.68	Peak	21.00	150	Horizontal	Pass
2**	2483.620	44.57	-3.78	54.0	9.43	AV	21.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



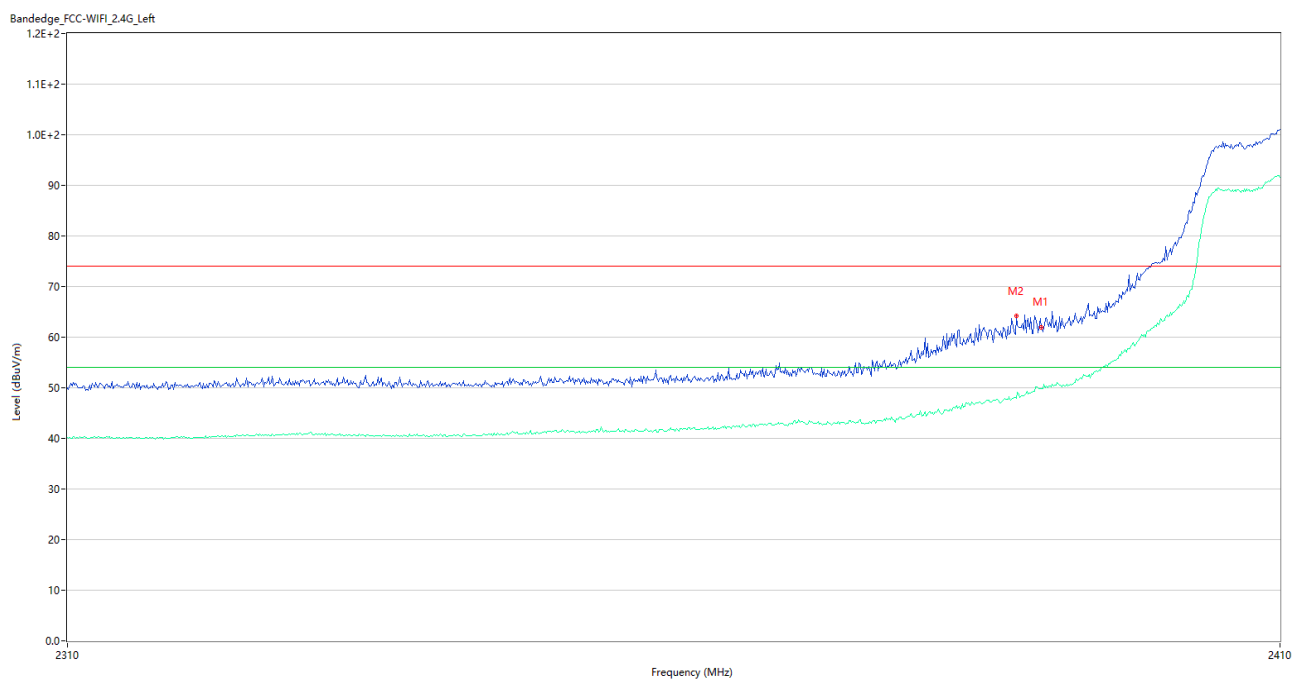
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	56.85	-4.87	74.0	17.15	Peak	97.01	150	V	Pass
1**	2390.000	45.21	-4.87	54.0	8.79	AV	97.01	150	V	Pass
2	2389.900	59.48	-4.87	74.0	14.52	Peak	103.00	150	Vertical	Pass
2**	2389.900	44.49	-4.87	54.0	9.51	AV	103.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



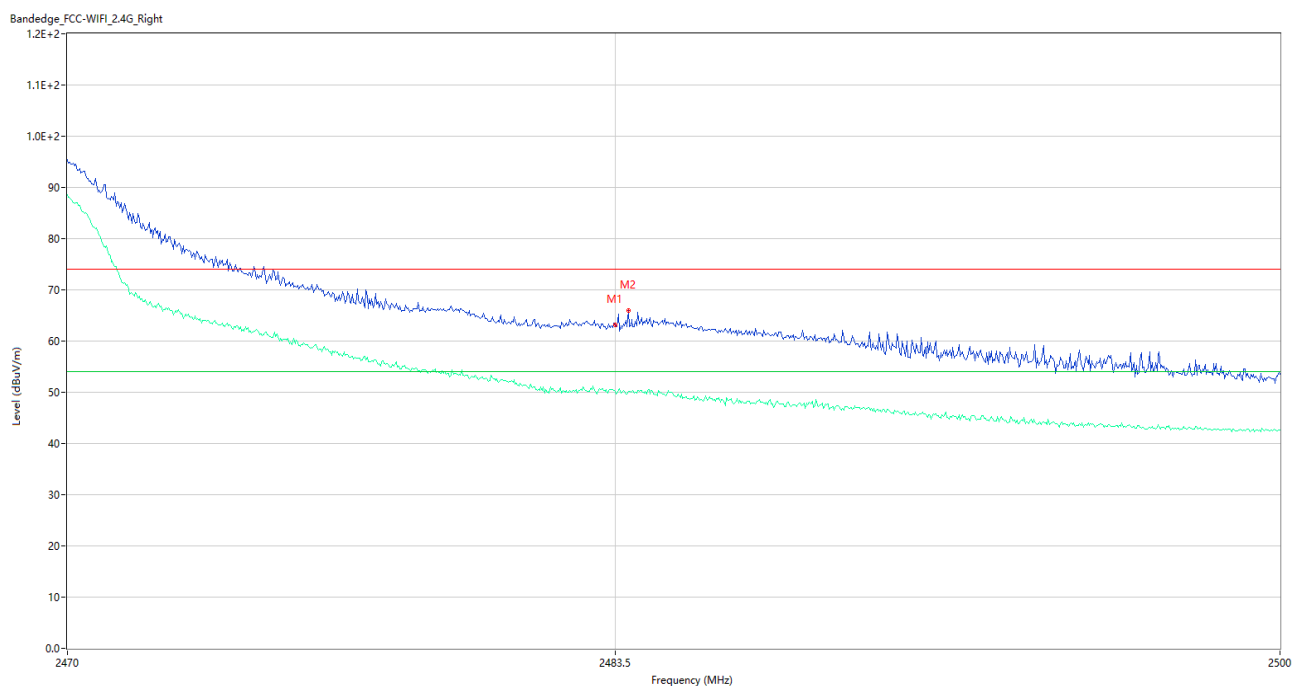
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.17	-3.78	74.0	16.83	Peak	12.00	150	Horizontal	Pass
1**	2483.500	46.35	-3.78	54.0	7.65	AV	12.00	150	Horizontal	Pass
2	2483.800	60.07	-3.78	74.0	13.93	Peak	17.00	150	Horizontal	Pass
2**	2483.800	45.68	-3.78	54.0	8.32	AV	17.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	61.99	-4.87	74.0	12.01	Peak	117.96	150	Vertical	Pass
1**	2390.000	49.75	-4.87	54.0	4.25	AV	117.96	150	Vertical	Pass
2	2387.900	64.20	-4.76	74.0	9.80	Peak	63.00	150	Vertical	Pass
2**	2387.900	47.95	-4.76	54.0	6.05	AV	63.00	150	Vertical	Pass

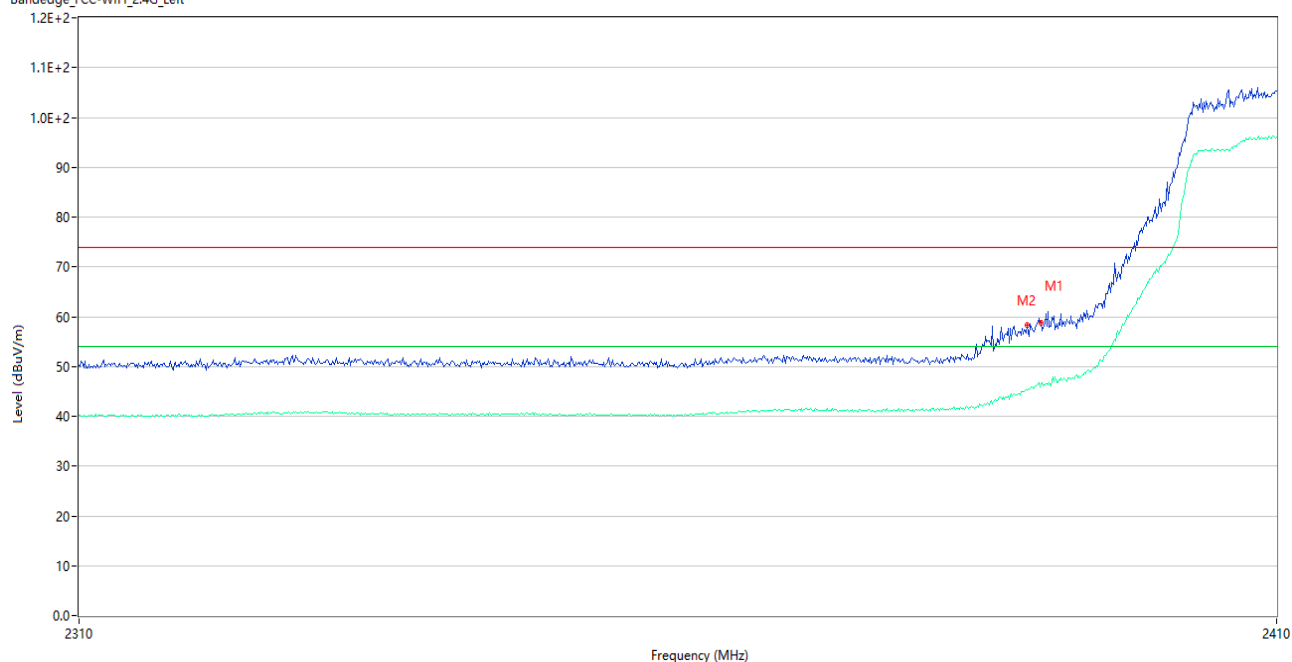
802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.15	-3.78	74.0	10.85	Peak	71.00	150	Vertical	Pass
1**	2483.500	50.15	-3.78	54.0	3.85	AV	71.00	150	Vertical	Pass
2	2483.830	65.94	-3.78	74.0	8.06	Peak	66.00	150	Vertical	Pass
2**	2483.830	50.16	-3.78	54.0	3.84	AV	66.00	150	Vertical	Pass

802.11ax20(SU) LOW CHANNEL

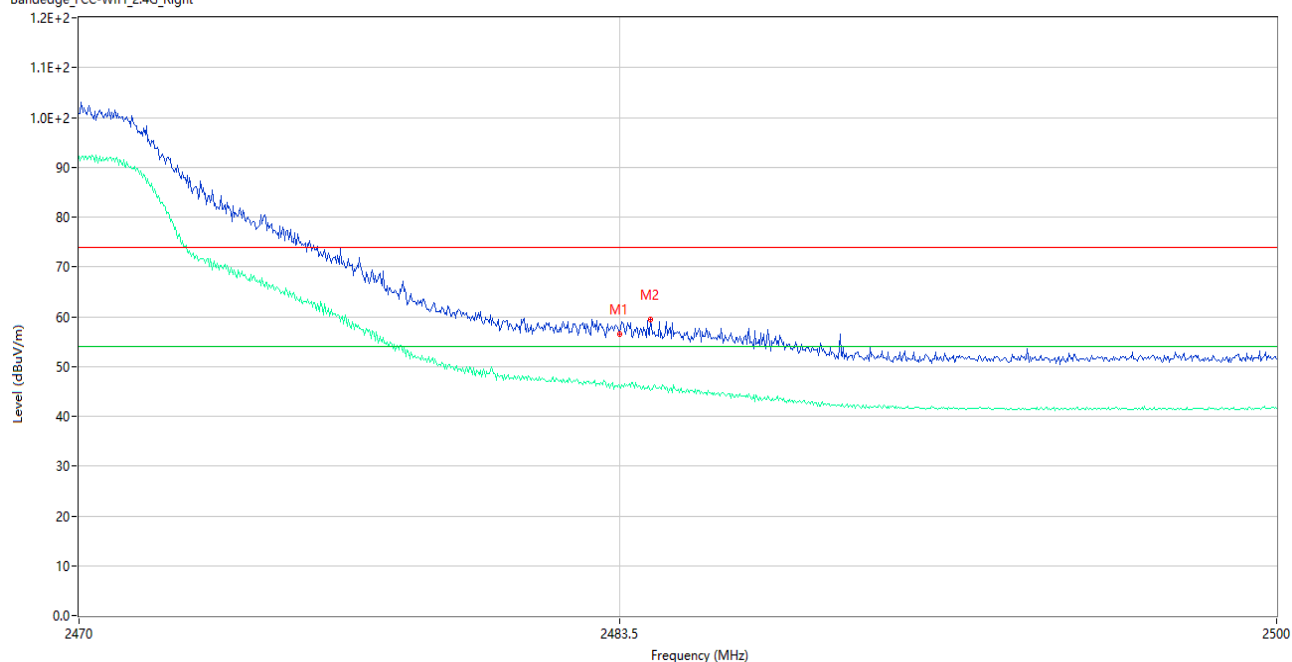
Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.86	-4.87	74.0	15.14	Peak	92.01	150	Vertical	Pass
1**	2390.000	46.23	-4.87	54.0	7.77	AV	92.01	150	Vertical	Pass
2	2388.800	58.26	-4.81	74.0	15.74	Peak	95.00	150	Vertical	Pass
2**	2388.800	45.19	-4.81	54.0	8.81	AV	95.00	150	Vertical	Pass

802.11ax20(SU) HIGH CHANNEL

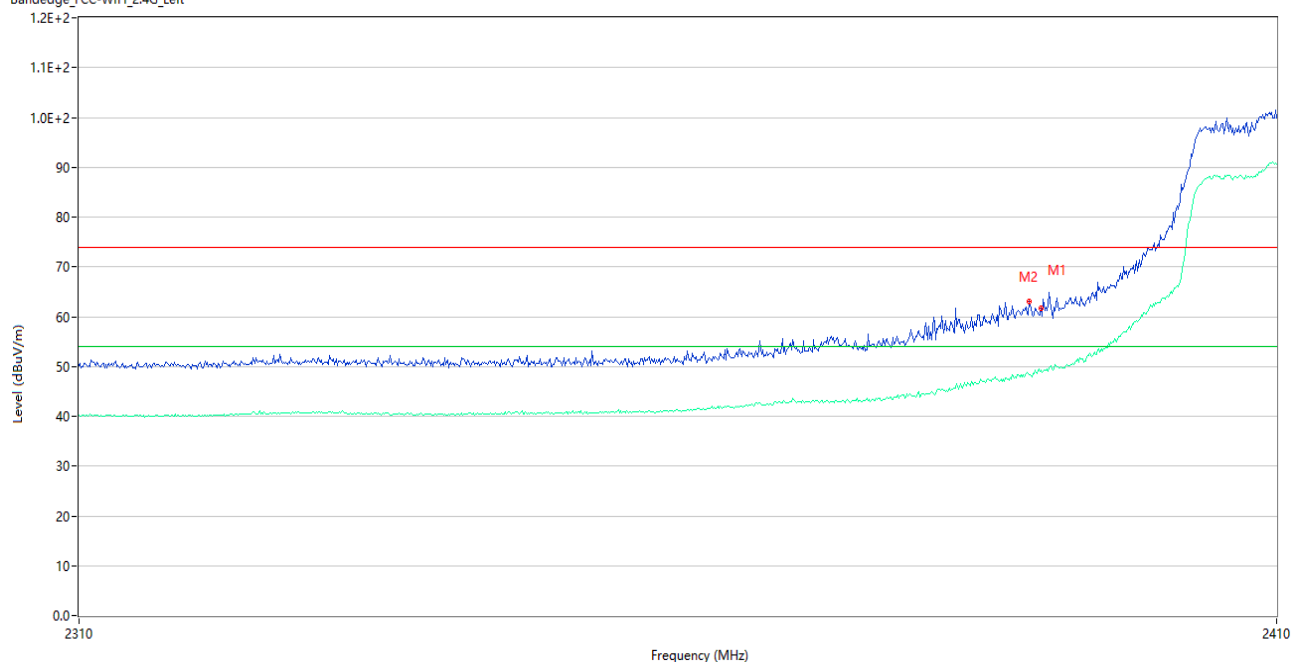
Bandedge_FCC-WIFI_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.46	-3.78	74.0	17.54	Peak	13.00	150	Horizontal	Pass
1**	2483.500	46.18	-3.78	54.0	7.82	AV	13.00	150	Horizontal	Pass
2	2484.280	59.36	-3.78	74.0	14.64	Peak	19.00	150	Horizontal	Pass
2**	2484.280	45.13	-3.78	54.0	8.87	AV	19.00	150	Horizontal	Pass

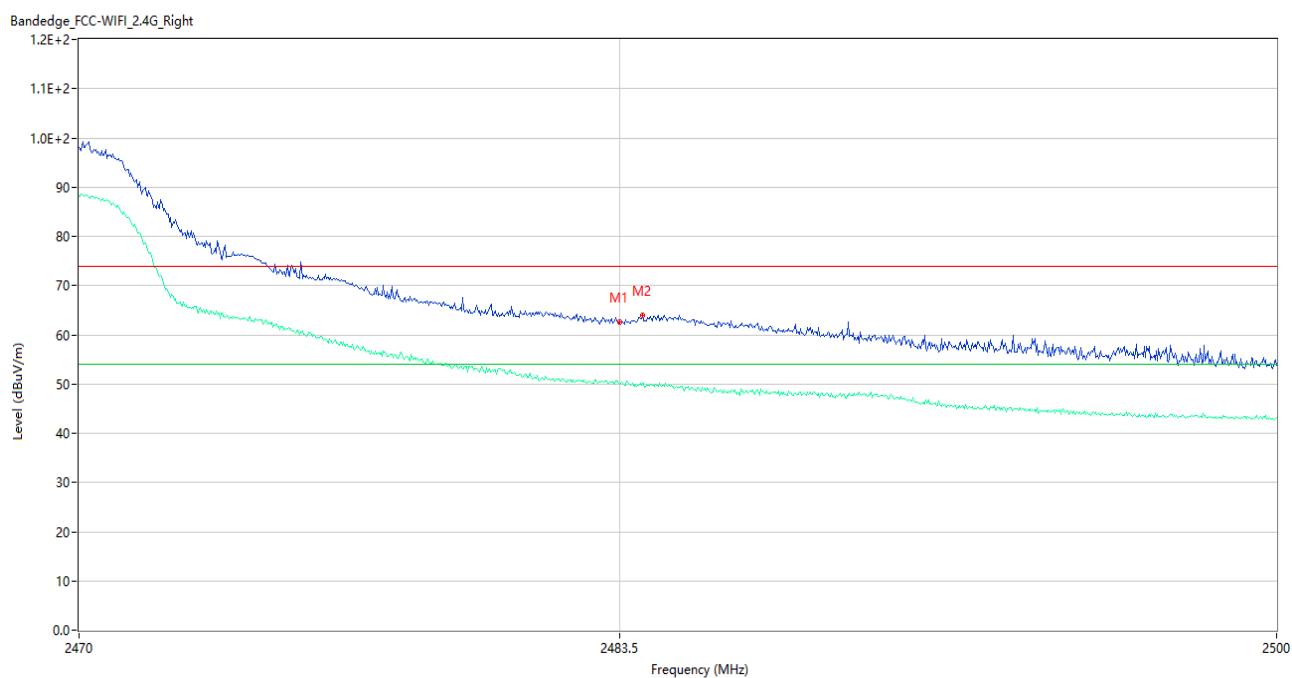
802.11ax40(SU) LOW CHANNEL

Bandedge_FCC-WIFI_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	61.72	-4.87	74.0	12.28	Peak	107.95	150	Vertical	Pass
1**	2390.000	49.33	-4.87	54.0	4.67	AV	107.95	150	Vertical	Pass
2	2389.000	63.09	-4.82	74.0	10.91	Peak	102.00	150	Vertical	Pass
2**	2389.000	48.45	-4.82	54.0	5.55	AV	102.00	150	Vertical	Pass

802.11ax40(SU) 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	62.67	-3.78	74.0	11.33	Peak	56.00	150	Horizontal	Pass
1**	2483.500	49.84	-3.78	54.0	4.16	AV	56.00	150	Horizontal	Pass
2	2484.070	64.06	-3.78	74.0	9.94	Peak	34.00	150	Horizontal	Pass
2**	2484.070	50.22	-3.78	54.0	3.78	AV	34.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Note: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.70	8
Middle	-9.36	8
High	-9.56	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.04	8
Middle	-10.20	8
High	-9.38	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.41	8
Middle	-9.80	8
High	-10.78	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.77	8
Middle	-14.31	8
High	-14.62	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.92	8
Middle	-11.41	8
High	-11.35	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.92	8
Middle	-13.78	8
High	-14.54	8

Aux Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.80	8
Middle	-9.52	8
High	-10.57	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.05	8
Middle	-8.59	8
High	-6.87	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.69	8
Middle	-8.19	8
High	-8.82	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.49	8
Middle	-14.36	8
High	-14.25	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.16	8
Middle	-11.55	8
High	-11.01	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.51	8
Middle	-13.75	8
High	-14.07	8

MIMO Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.74	8
Middle	-6.43	8
High	-7.03	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.59	8
Middle	-6.31	8
High	-4.94	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.83	8
Middle	-5.91	8
High	-6.68	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.54	8
Middle	-11.32	8
High	-11.42	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.03	8
Middle	-8.47	8
High	-8.17	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.70	8
Middle	-10.75	8
High	-11.29	8

Test Plots

Main Antenna

802.11b LOW CHANNEL



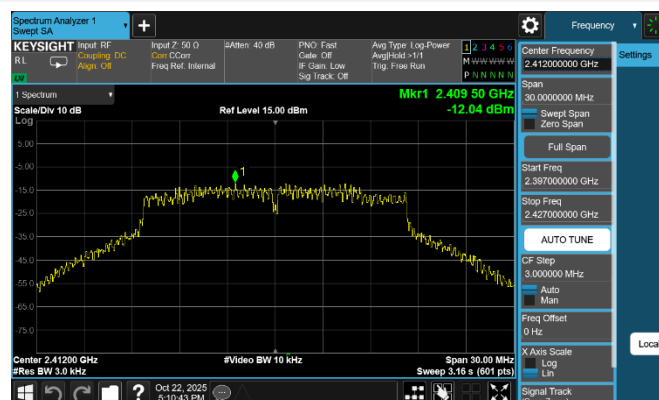
802.11b MIDDLE CHANNEL



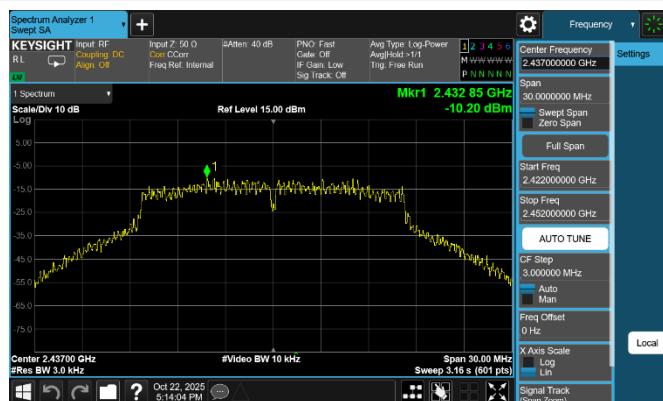
802.11b HIGH CHANNEL



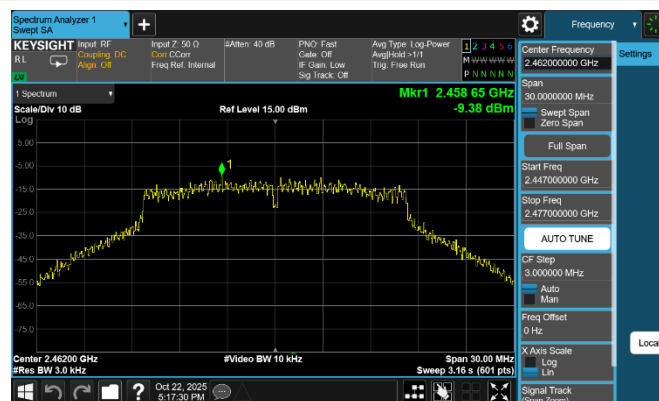
802.11g LOW CHANNEL



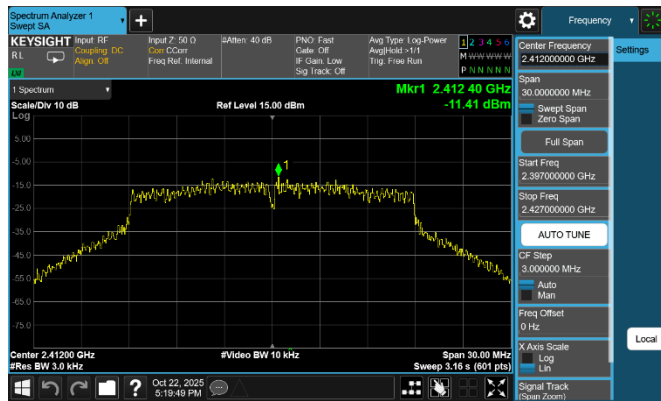
802.11g MIDDLE CHANNEL



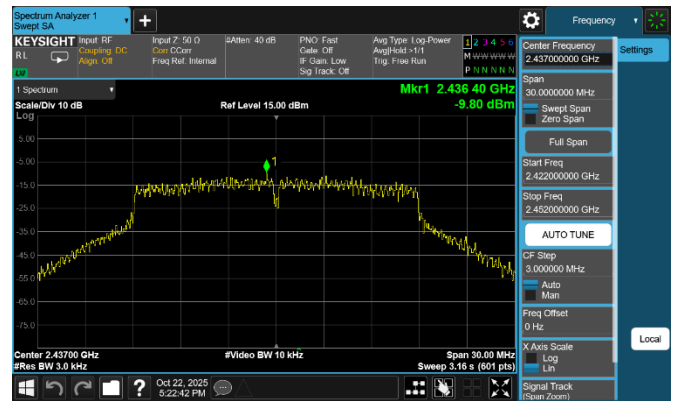
802.11g HIGH CHANNEL



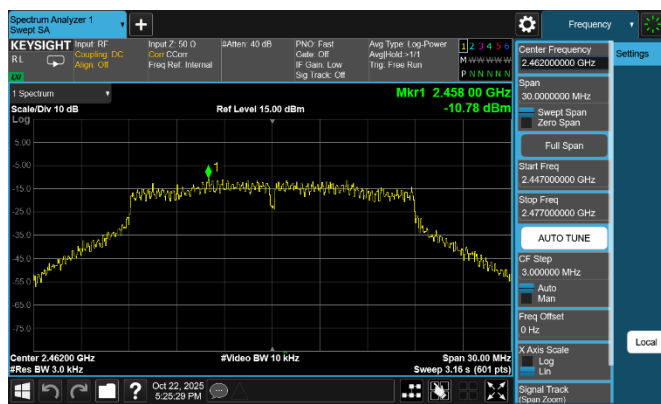
802.11n-20 MHz LOW CHANNEL



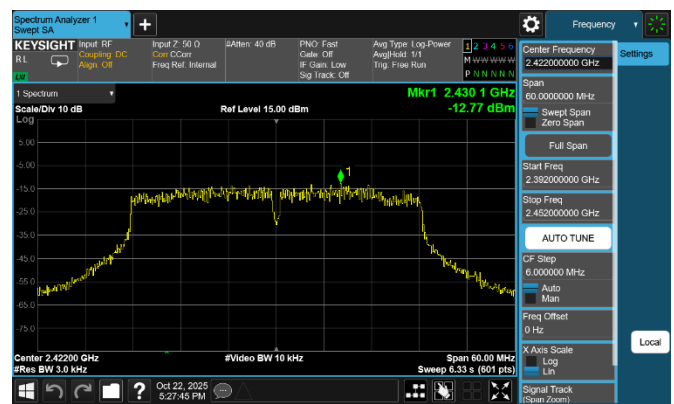
802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



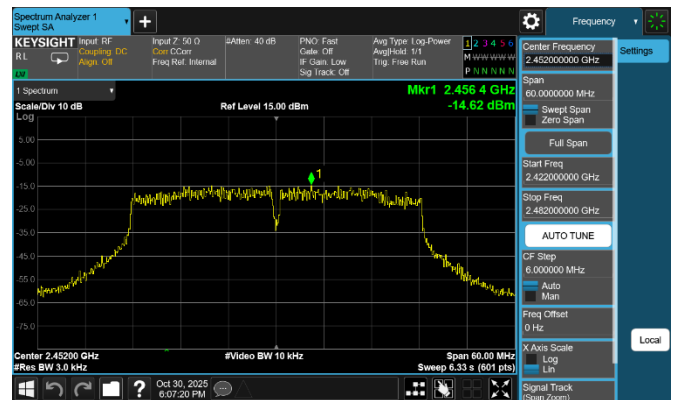
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



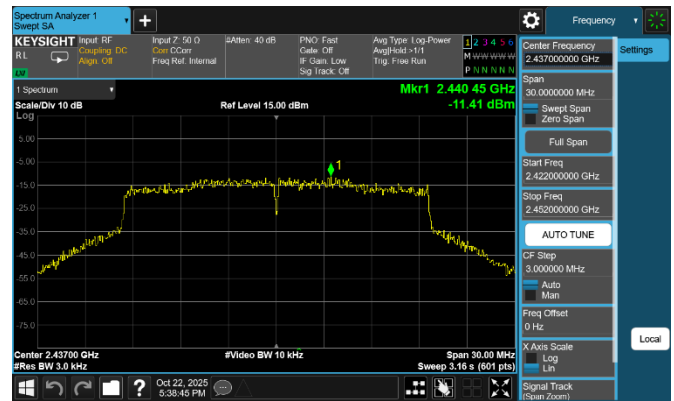
802.11n-40 MHz HIGH CHANNEL



802.11ax-20 MHz(SU) LOW CHANNEL



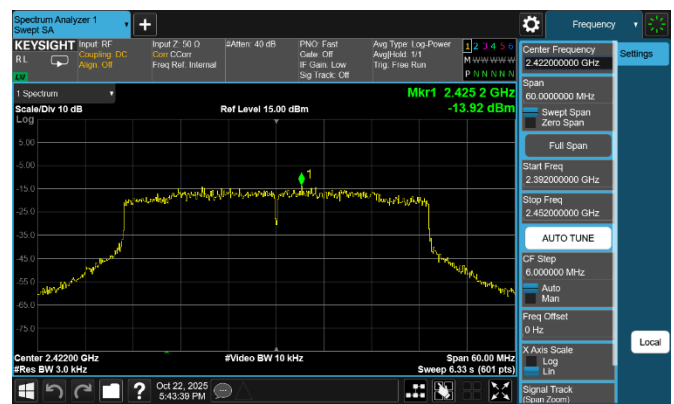
802.11ax-20 MHz(SU) MIDDLE CHANNEL



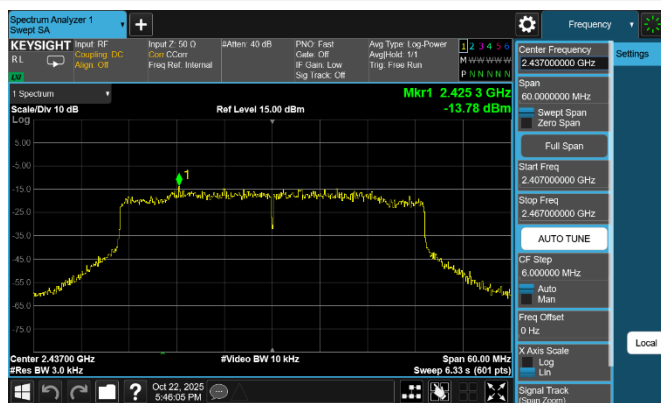
802.11ax-20 MHz(SU) HIGH CHANNEL



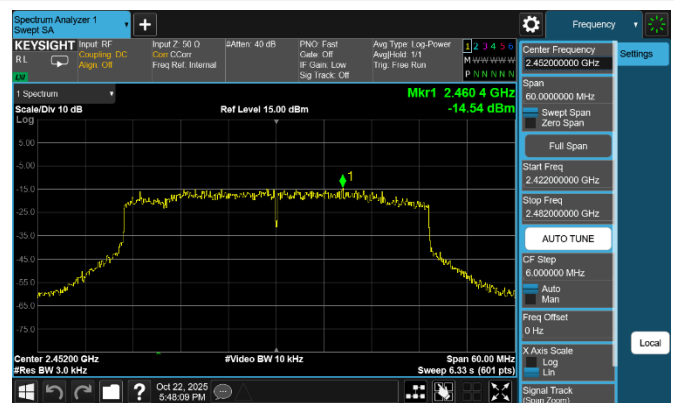
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL

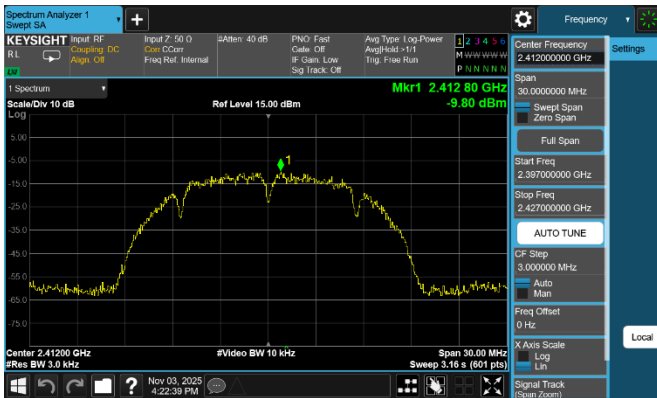


802.11ax-40 MHz(SU) HIGH CHANNEL



Aux Antenna

802.11b LOW CHANNEL



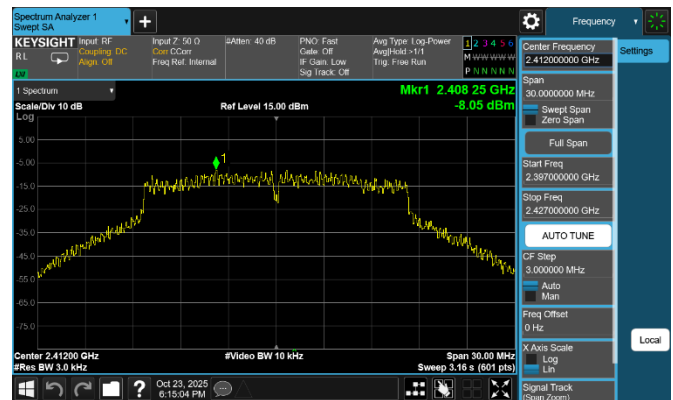
802.11b MIDDLE CHANNEL



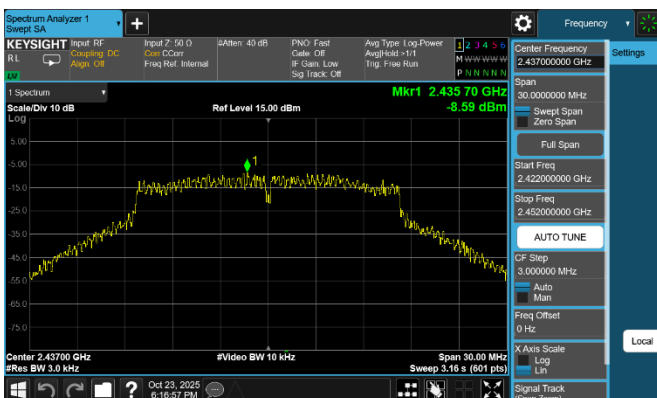
802.11b HIGH CHANNEL



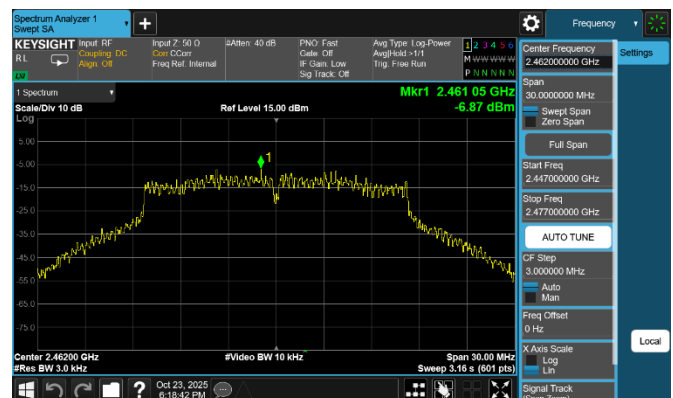
802.11g LOW CHANNEL



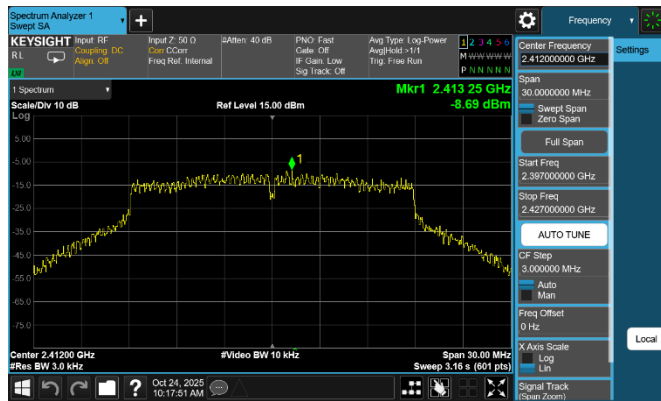
802.11g MIDDLE CHANNEL



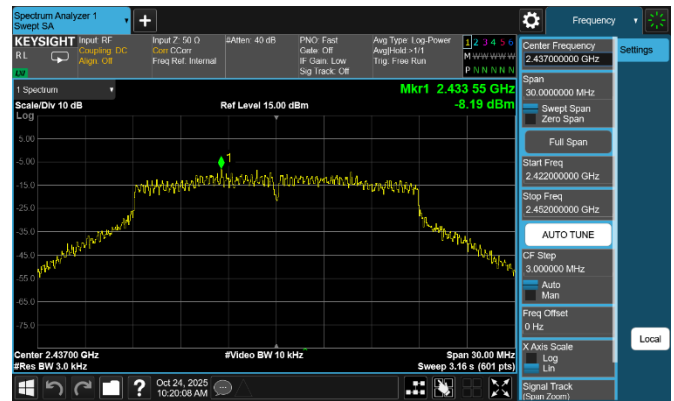
802.11g HIGH CHANNEL



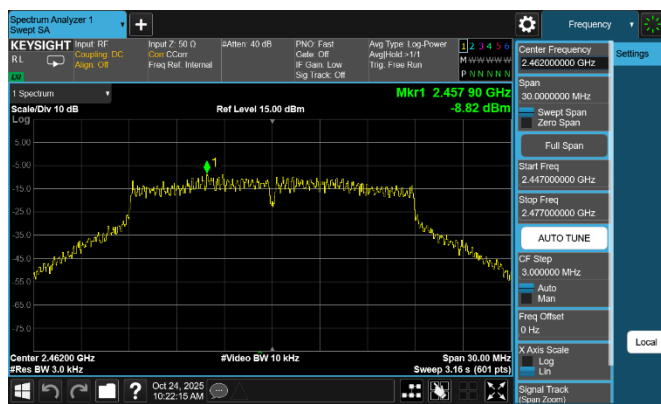
802.11n-20 MHz LOW CHANNEL



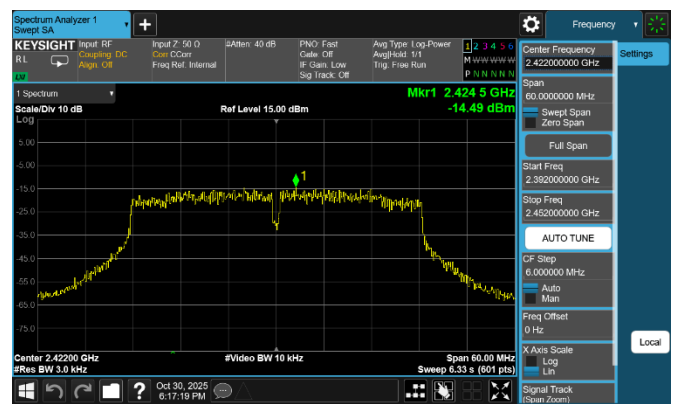
802.11 n-20 MHz MIDDLE CHANNEL



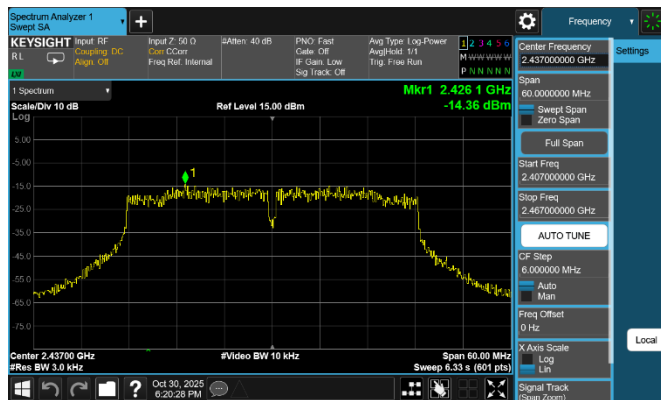
802.11n-20 MHz HIGH CHANNEL



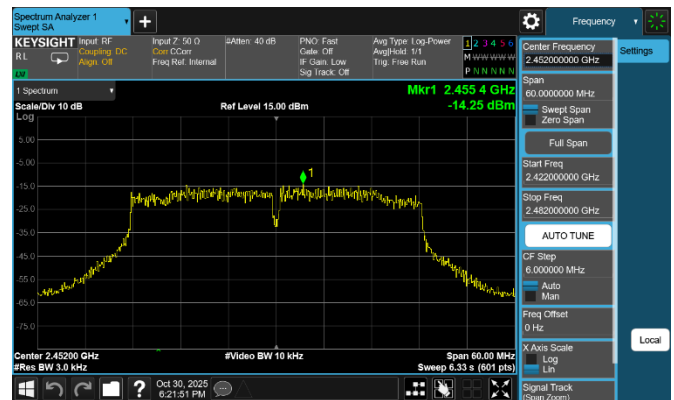
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



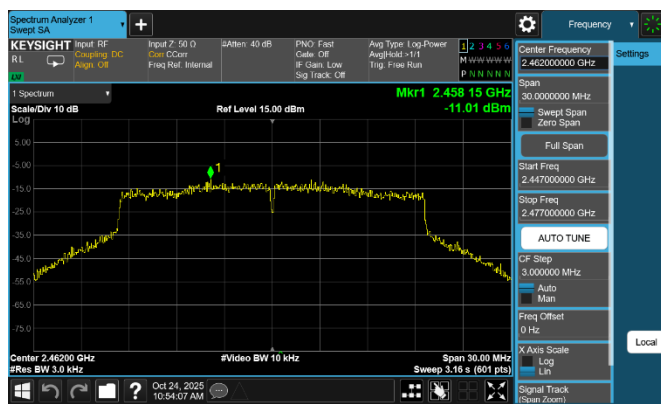
802.11ax-20 MHz(SU) LOW CHANNEL



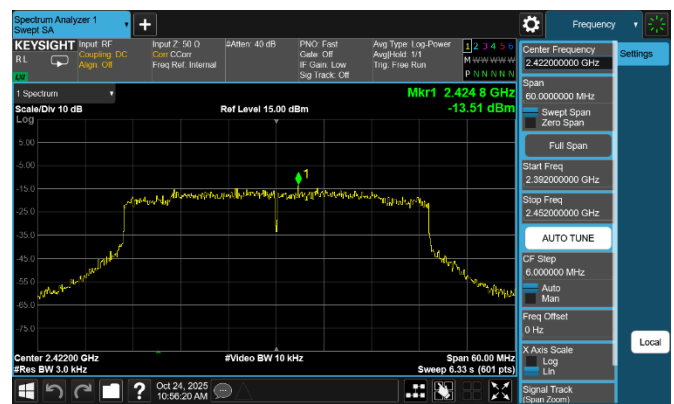
802.11ax-20 MHz(SU) MIDDLE CHANNEL



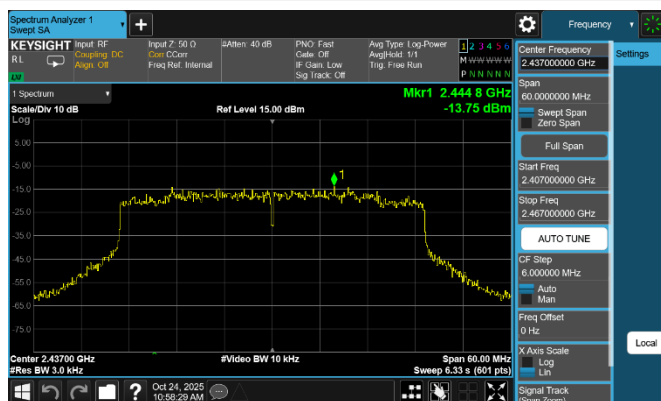
802.11ax-20 MHz(SU) HIGH CHANNEL



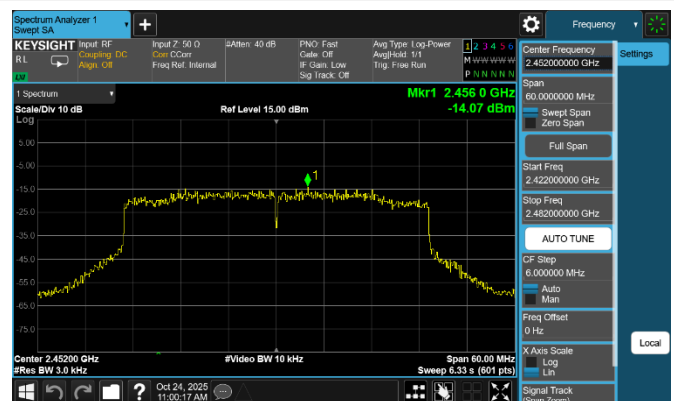
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH25A1170-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH25A1170-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH25A1170-AI.PDF”.

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--END OF REPORT--