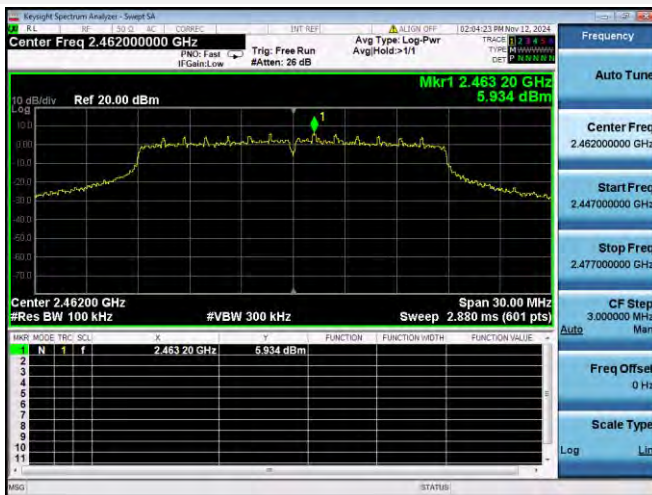


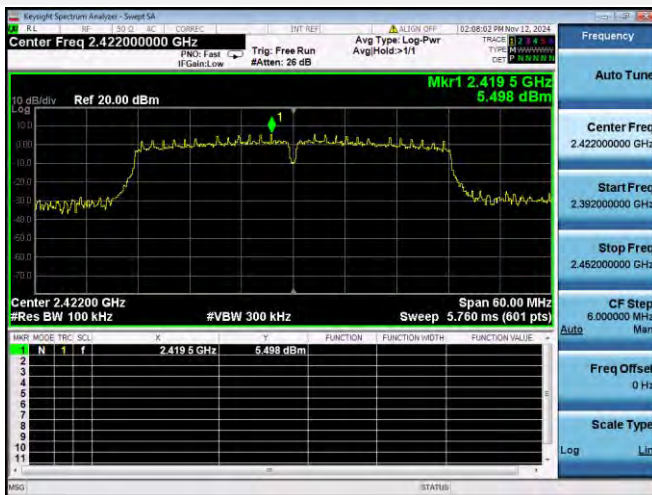
802.11ac-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ac-20 MHz HIGH CHANNEL, BAND EDGE



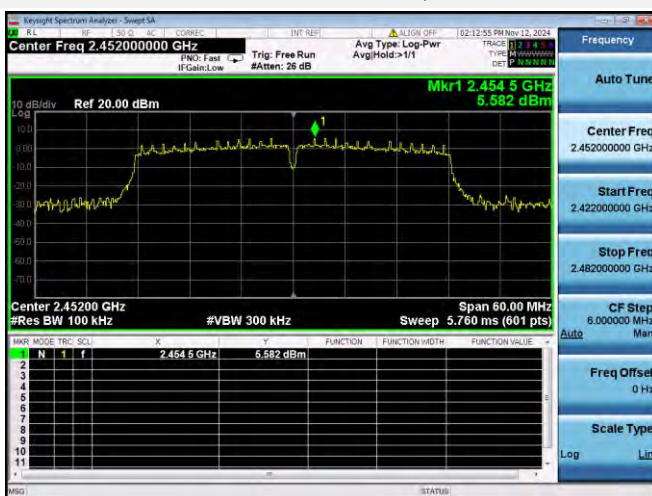
802.11ac-40 MHz LOW CHANNEL, CARRIER LEVEL



802.11ac-40 MHz LOW CHANNEL, BAND EDGE



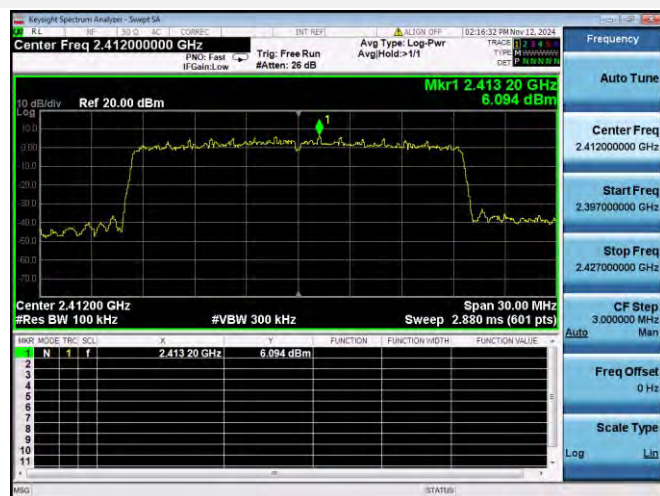
802.11ac-40 MHz HIGH CHANNEL, CARRIER LEVEL



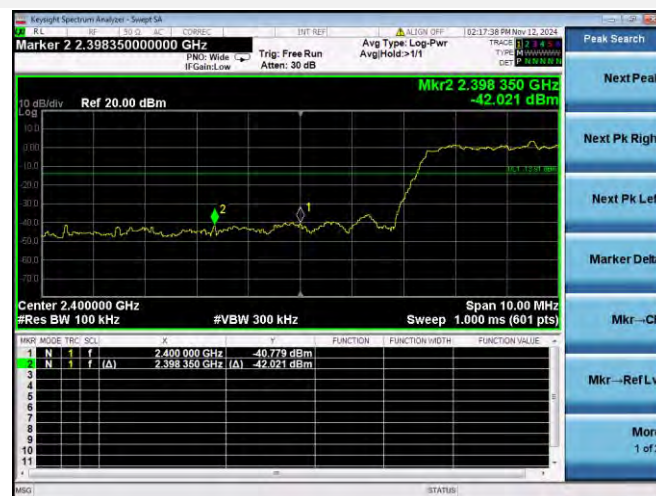
802.11ac-40 MHz HIGH CHANNEL, BAND EDGE



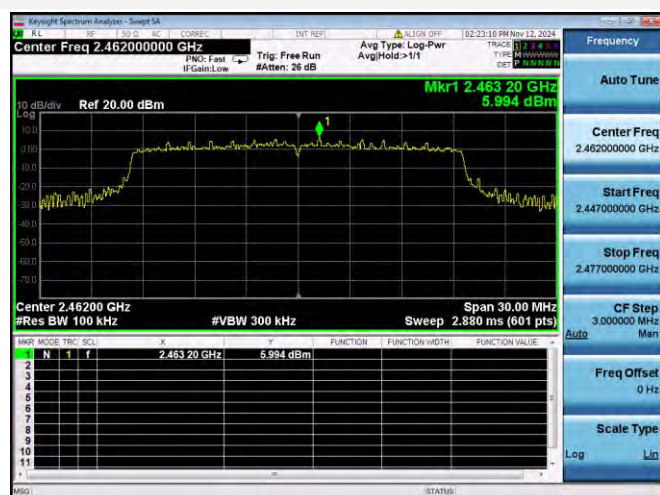
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



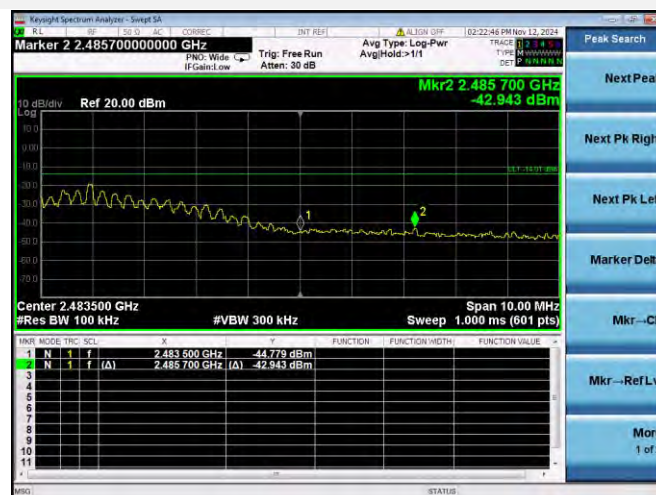
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



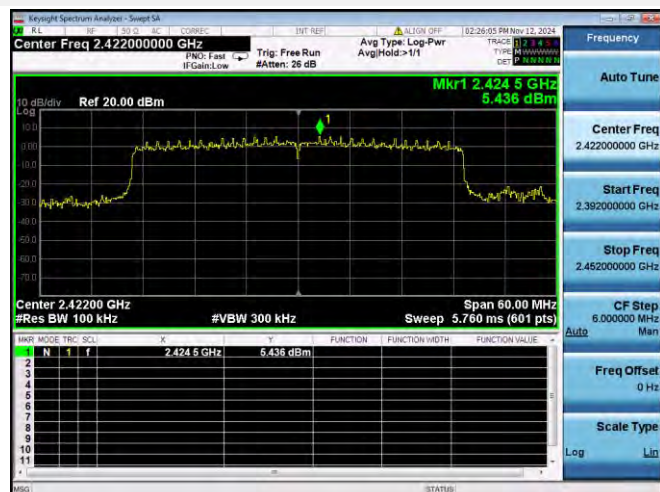
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



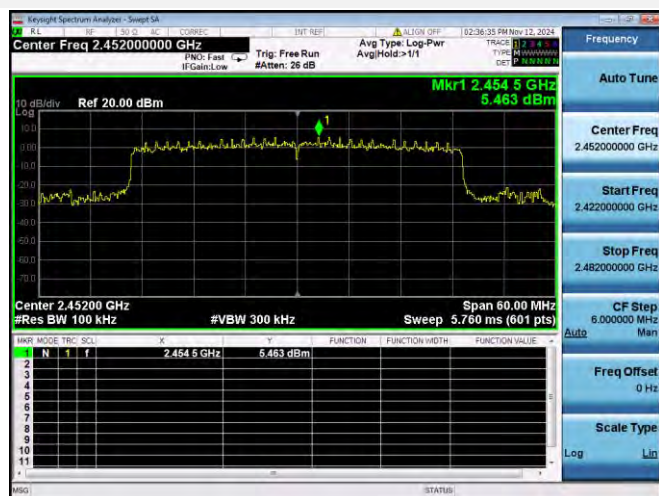
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



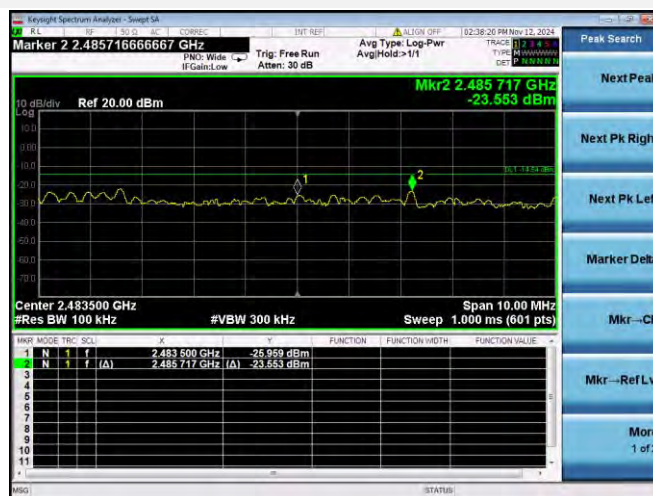
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



Aux. Antenna:

802.11b LOW CHANNEL, CARRIER LEVEL



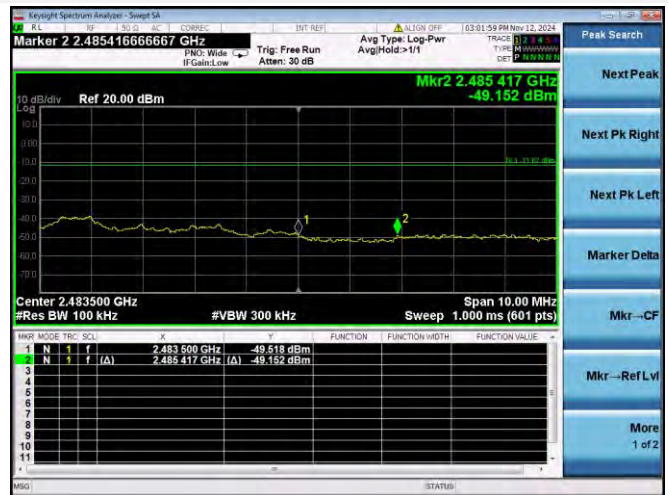
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



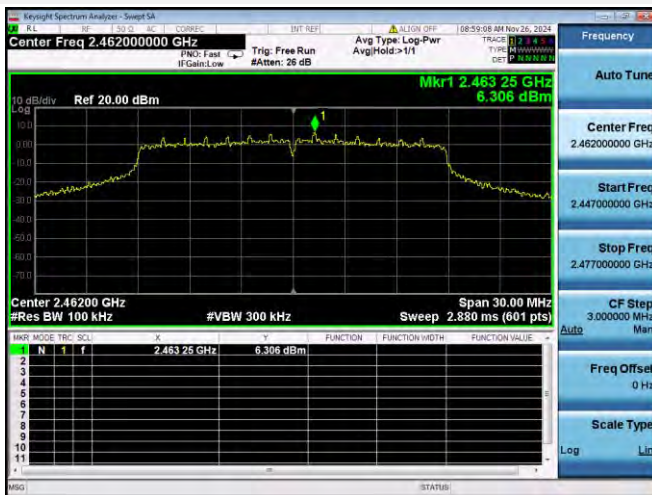
802.11g LOW CHANNEL, CARRIER LEVEL



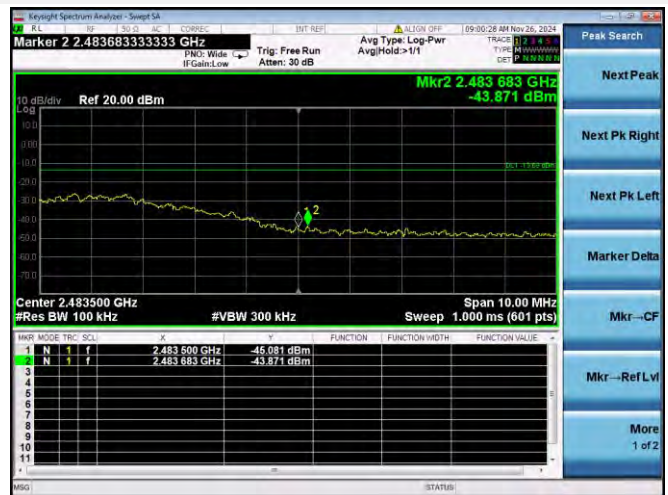
802.11g LOW CHANNEL, BAND EDGE



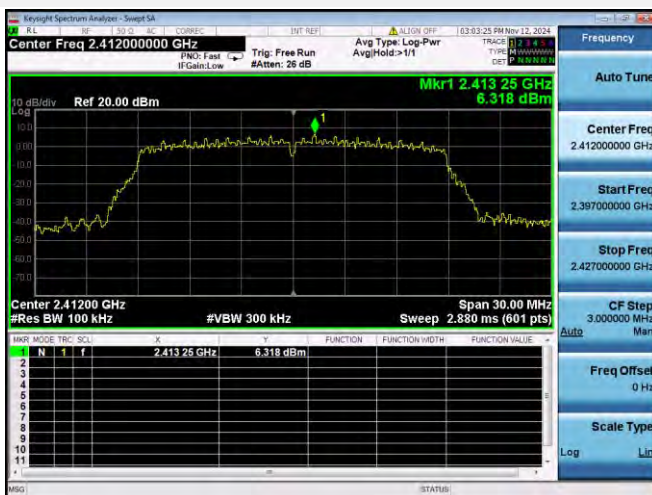
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



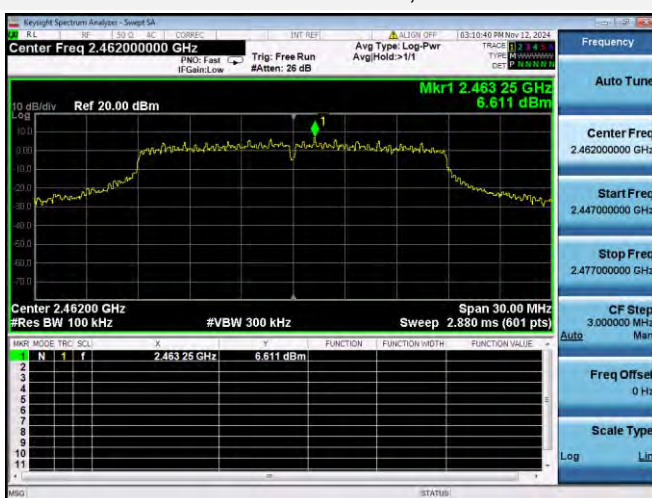
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



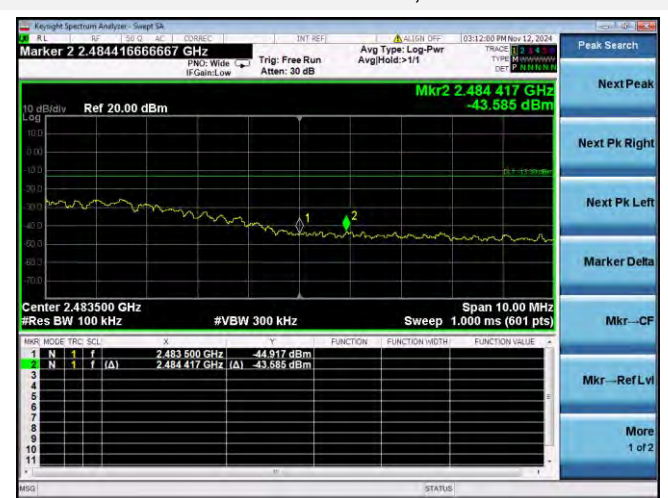
802.11n-20 MHz LOW CHANNEL, BAND EDGE



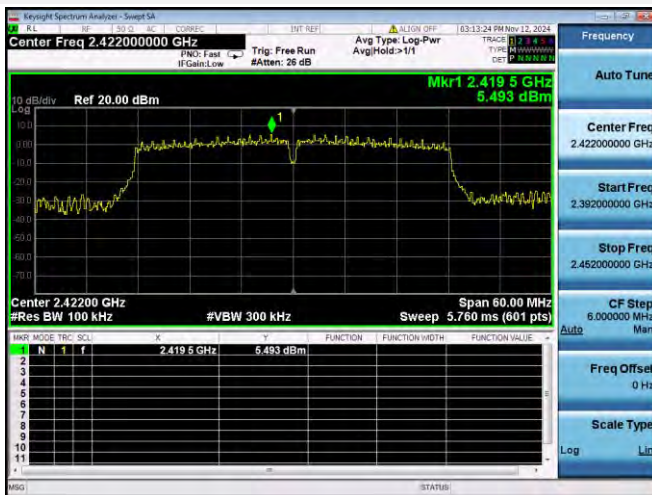
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



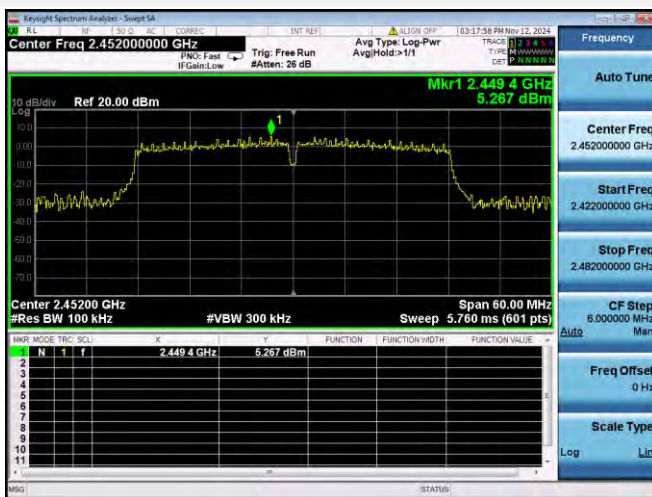
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



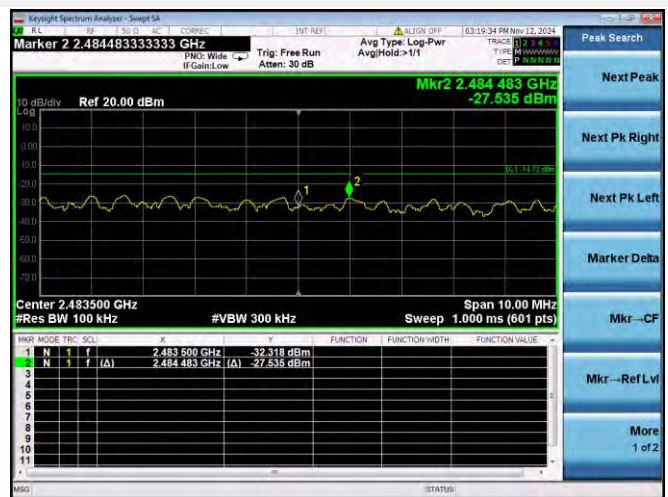
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



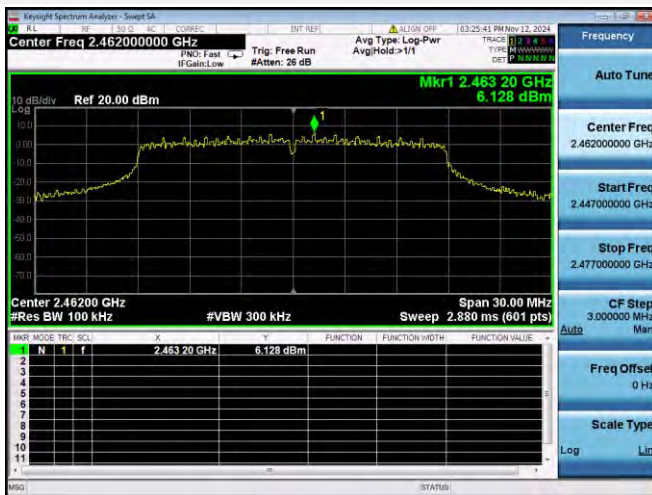
802.11ac-20 MHz LOW CHANNEL, CARRIER LEVEL



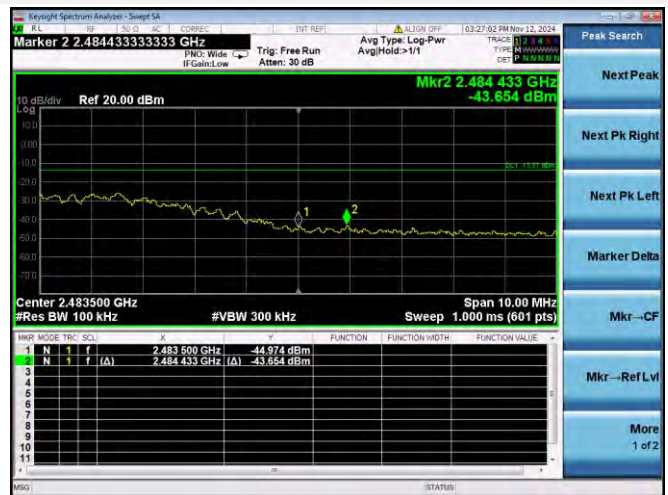
802.11ac-20 MHz LOW CHANNEL, BAND EDGE



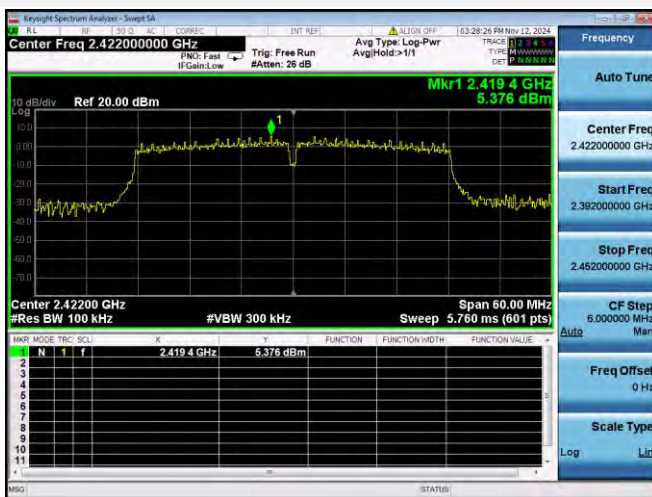
802.11ac-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ac-20 MHz HIGH CHANNEL, BAND EDGE



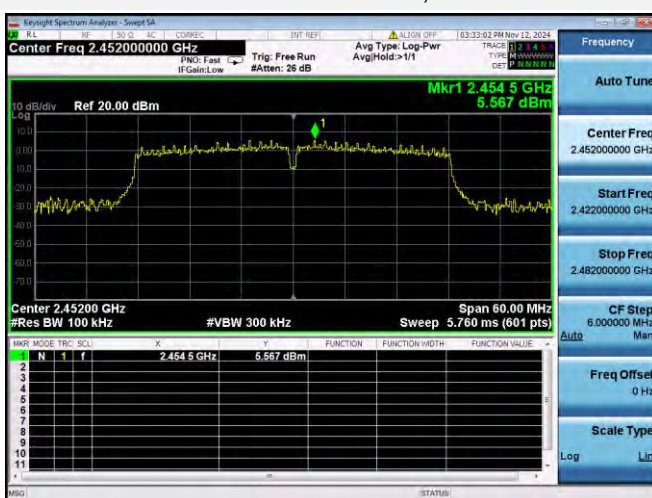
802.11ac-40 MHz LOW CHANNEL, CARRIER LEVEL



802.11ac-40 MHz LOW CHANNEL, BAND EDGE



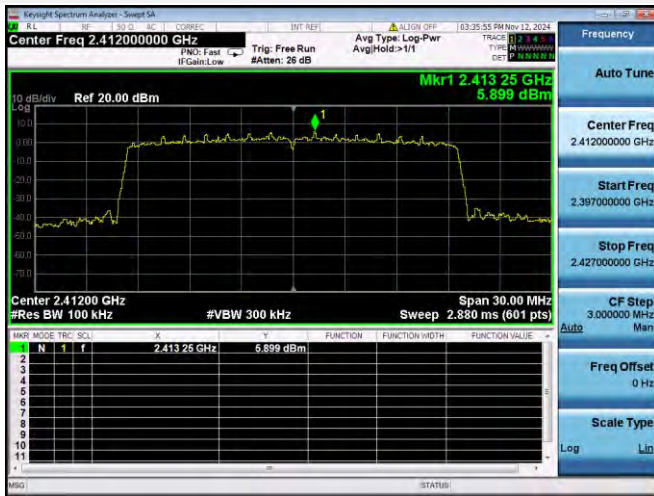
802.11ac-40 MHz HIGH CHANNEL, CARRIER LEVEL



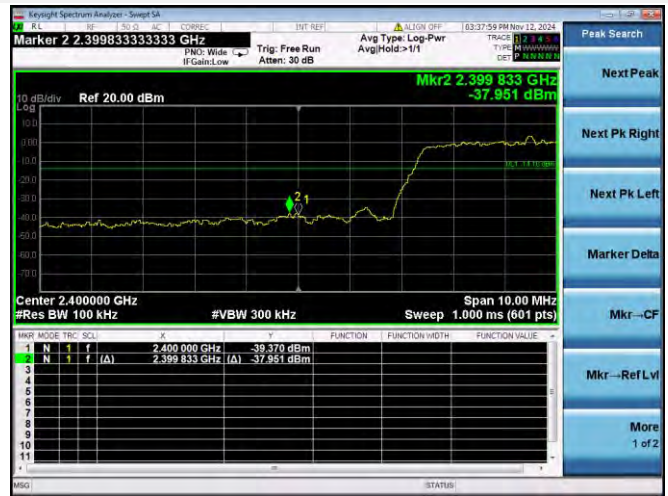
802.11ac-40 MHz HIGH CHANNEL, BAND EDGE



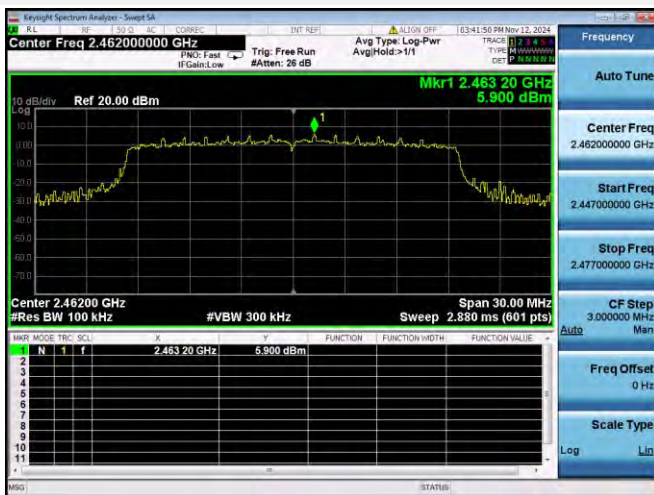
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



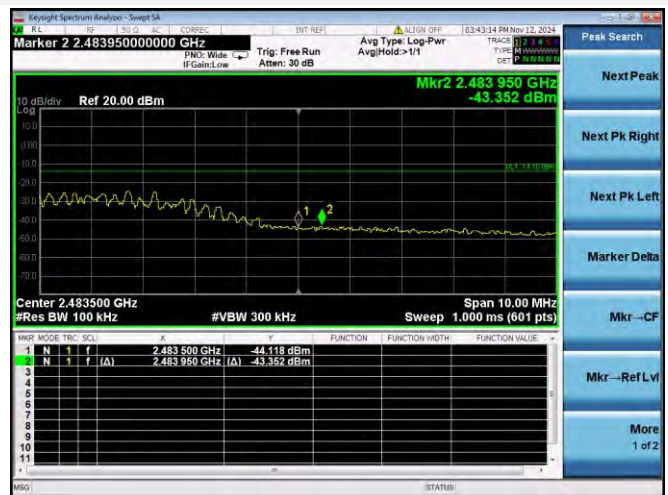
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



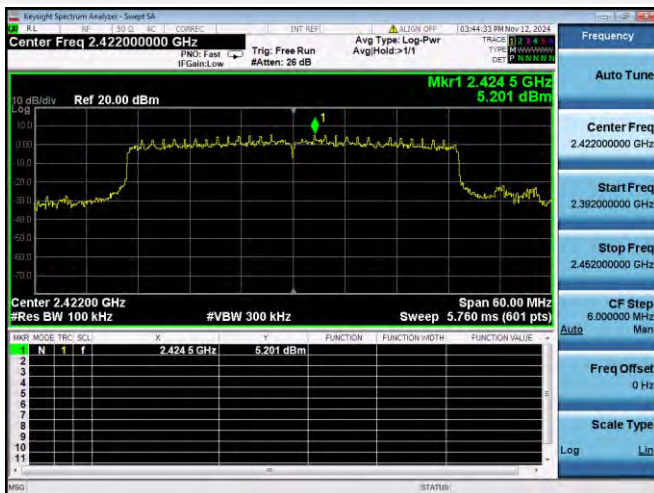
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



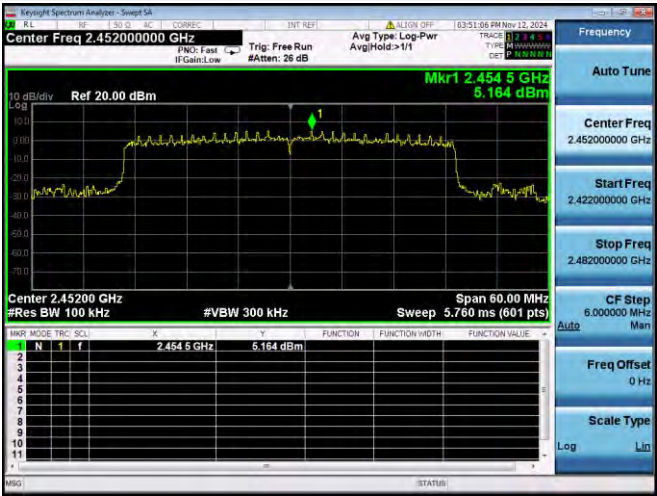
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



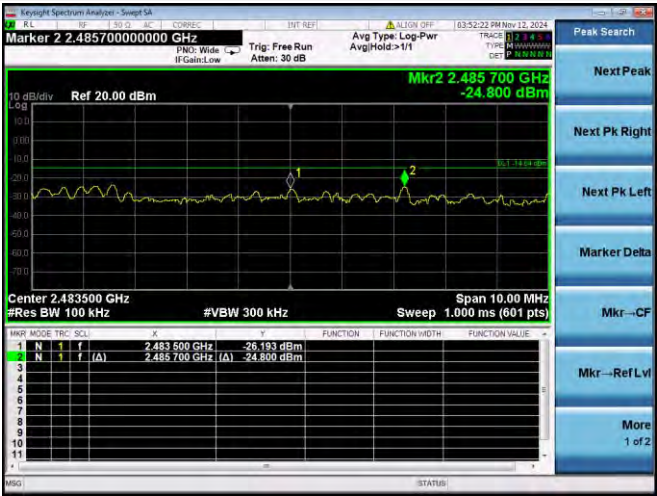
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



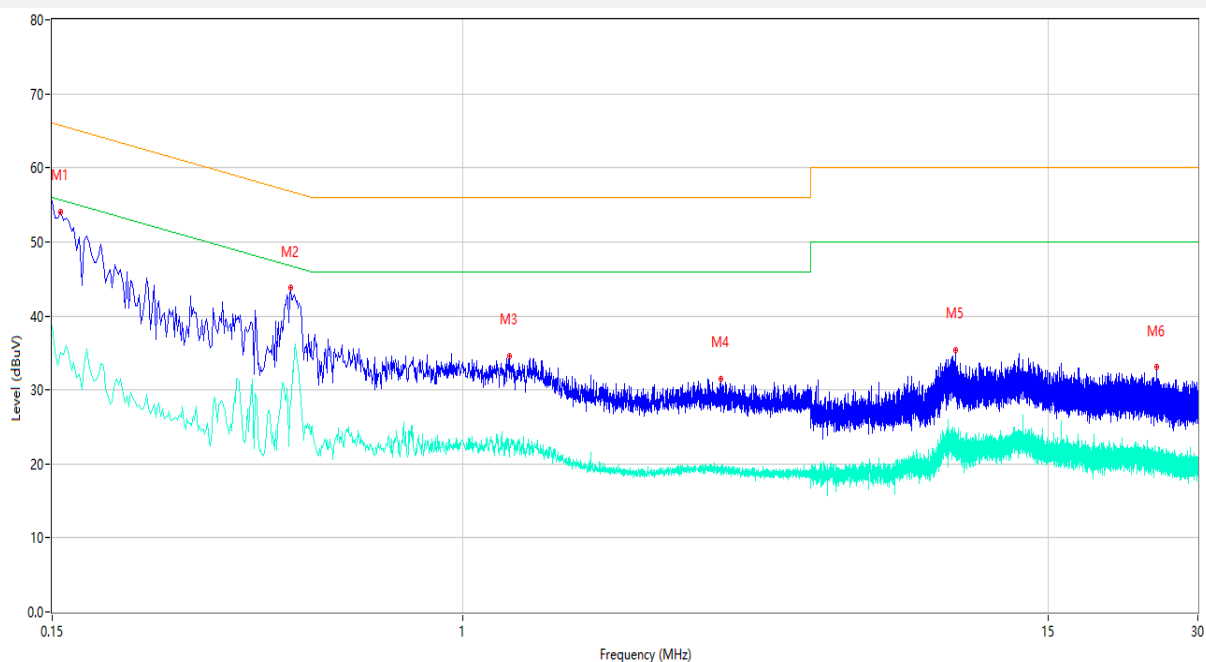
A.5 Conducted Emission

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

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

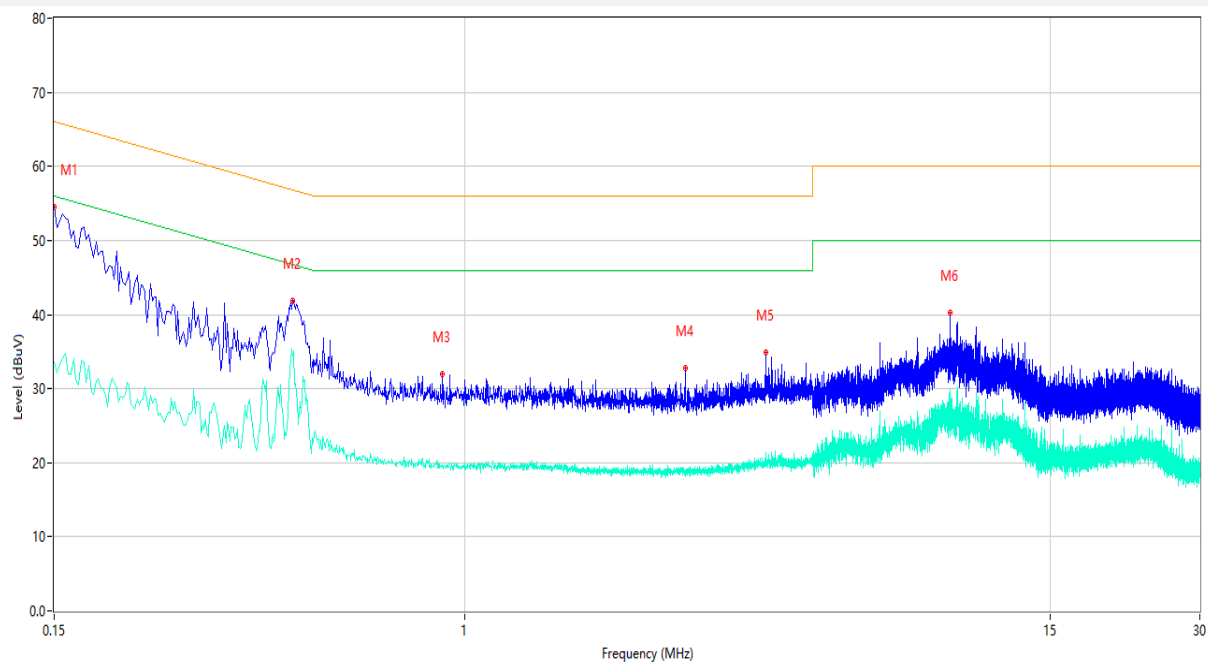
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.156	53.99	9.75	65.67	11.68	Peak	L	Pass
1**	0.156	35.07	9.75	55.67	20.60	AV	L	Pass
2	0.452	43.75	9.74	56.84	13.09	Peak	L	Pass
2**	0.452	28.44	9.74	46.84	18.40	AV	L	Pass
3	1.242	34.52	9.70	56.00	21.48	Peak	L	Pass
3**	1.242	21.71	9.70	46.00	24.29	AV	L	Pass
4	3.302	31.52	9.66	56.00	24.48	Peak	L	Pass
4**	3.302	19.48	9.66	46.00	26.52	AV	L	Pass
5	9.804	35.30	9.49	60.00	24.70	Peak	L	Pass
5**	9.804	24.38	9.49	50.00	25.62	AV	L	Pass
6	24.774	33.04	8.85	60.00	26.96	Peak	L	Pass
6**	24.774	21.11	8.85	50.00	28.89	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.150	54.48	9.75	66.00	11.52	Peak	N	Pass
1**	0.150	33.59	9.75	56.00	22.41	AV	N	Pass
2	0.452	41.83	9.74	56.84	15.01	Peak	N	Pass
2**	0.452	34.39	9.74	46.84	12.45	AV	N	Pass
3	0.904	31.95	9.70	56.00	24.05	Peak	N	Pass
3**	0.904	19.63	9.70	46.00	26.37	AV	N	Pass
4	2.774	32.75	9.67	56.00	23.25	Peak	N	Pass
4**	2.774	18.68	9.67	46.00	27.32	AV	N	Pass
5	4.026	34.94	9.66	56.00	21.06	Peak	N	Pass
5**	4.026	21.34	9.66	46.00	24.66	AV	N	Pass
6	9.444	40.23	9.50	60.00	19.77	Peak	N	Pass
6**	9.444	29.88	9.50	50.00	20.12	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.

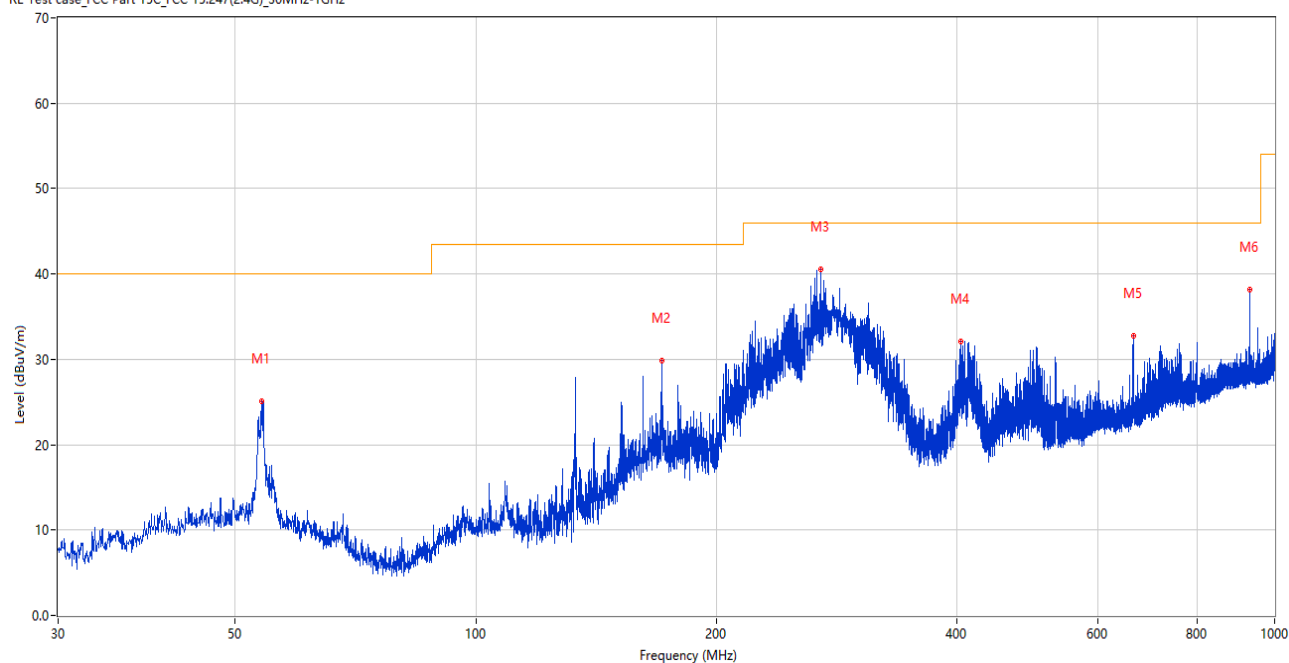
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

Main Antenna:

30 MHz to 1 GHz, ANT H

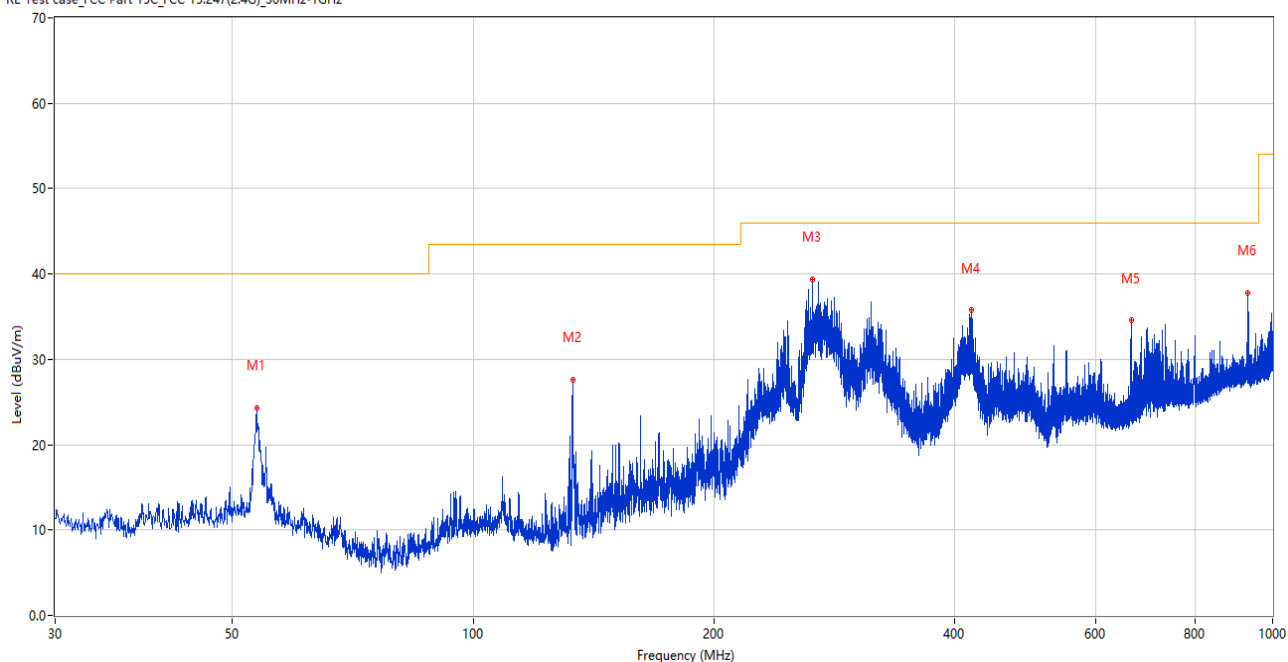
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.008	25.08	-24.95	40.0	14.92	Peak	360.00	200	Horizontal	Pass
2	170.990	29.84	-28.38	43.5	13.66	Peak	333.00	100	Horizontal	Pass
3	270.026	40.55	-24.06	46.0	5.45	Peak	19.00	100	Horizontal	Pass
4	405.245	32.13	-20.30	46.0	13.87	Peak	290.00	100	Horizontal	Pass
5	665.641	32.71	-14.36	46.0	13.29	Peak	234.00	100	Horizontal	Pass
6	931.857	38.16	-8.85	46.0	7.84	Peak	114.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

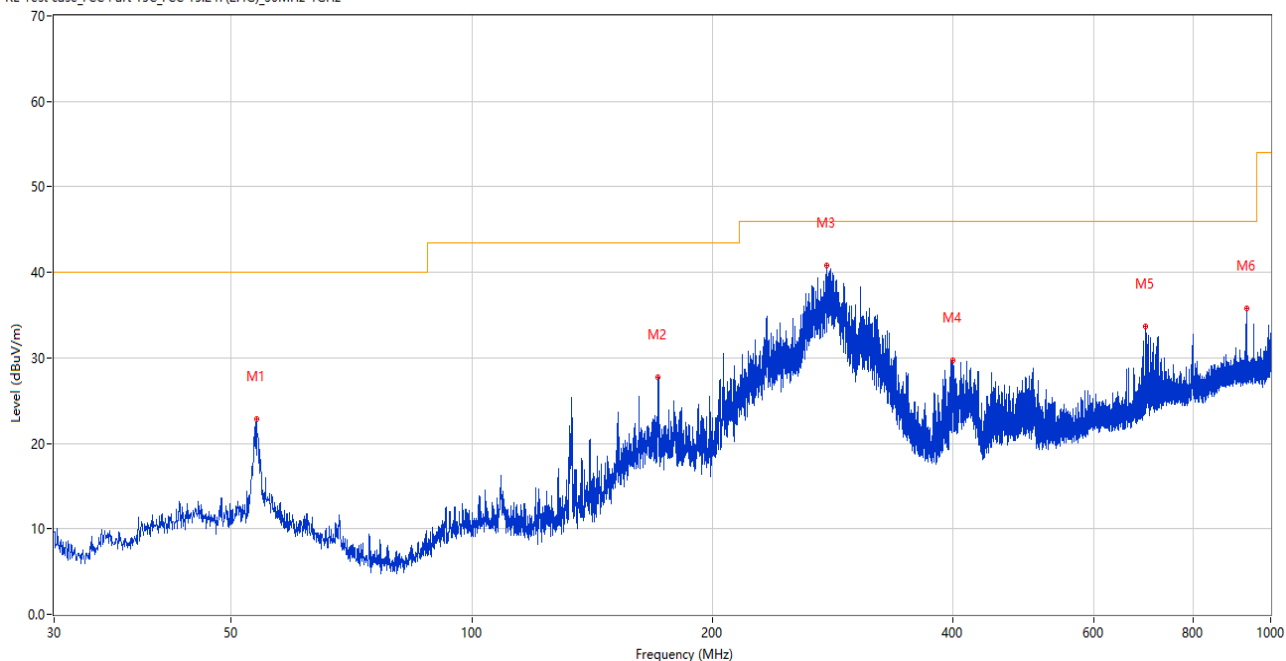
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.571	24.26	-24.88	40.0	15.74	Peak	138.00	100	Vertical	Pass
2	133.305	27.65	-29.22	43.5	15.85	Peak	209.00	100	Vertical	Pass
3	265.856	39.41	-24.13	46.0	6.59	Peak	224.00	200	Vertical	Pass
4	420.376	35.73	-19.85	46.0	10.27	Peak	0.00	100	Vertical	Pass
5	665.641	34.54	-14.36	46.0	11.46	Peak	138.00	100	Vertical	Pass
6	931.372	37.83	-8.87	46.0	8.17	Peak	138.00	100	Vertical	Pass

Aux Antenna:**30 MHz to 1 GHz, ANT H**

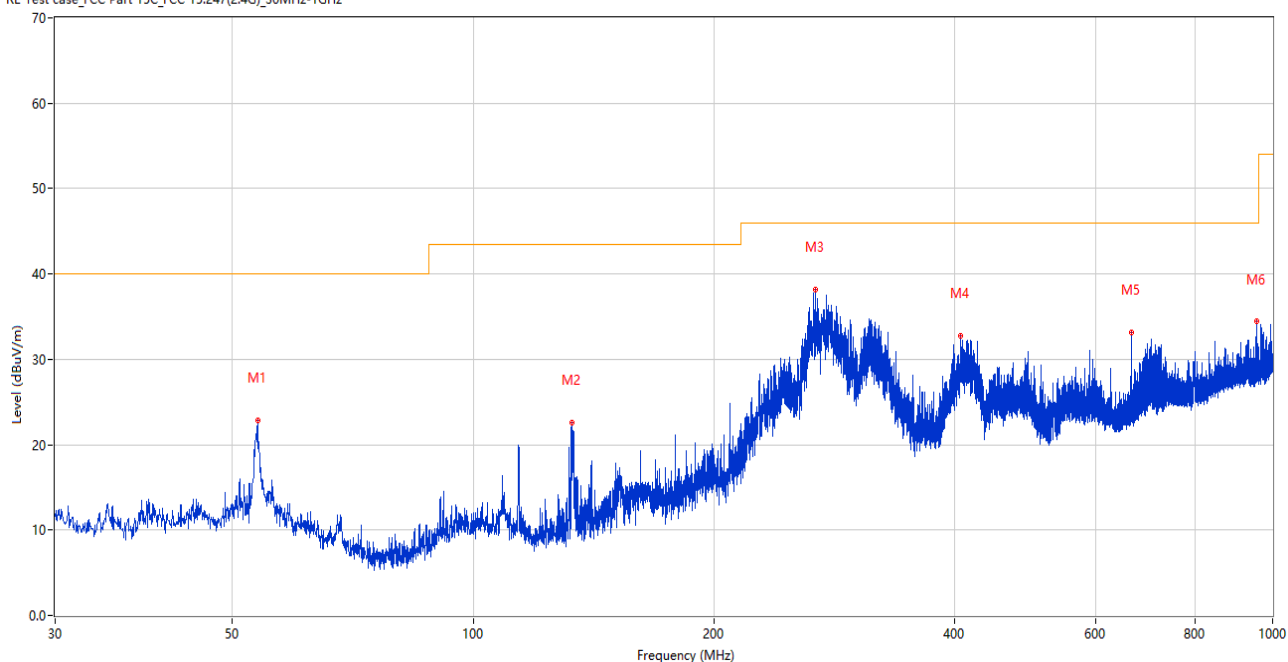
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.765	22.82	-24.91	40.0	17.18	Peak	5.00	200	Horizontal	Pass
2	171.135	27.77	-28.38	43.5	15.73	Peak	331.00	100	Horizontal	Pass
3	278.320	40.82	-23.81	46.0	5.18	Peak	48.00	100	Horizontal	Pass
4	400.297	29.78	-20.41	46.0	16.22	Peak	101.00	200	Horizontal	Pass
5	697.020	33.64	-13.79	46.0	12.36	Peak	353.00	100	Horizontal	Pass
6	932.633	35.77	-8.82	46.0	10.23	Peak	120.00	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	53.765	22.89	-24.91	40.0	17.11	Peak	146.00	100	Vertical	Pass
2	132.723	22.58	-29.20	43.5	20.92	Peak	347.00	100	Vertical	Pass
3	267.650	38.21	-24.09	46.0	7.79	Peak	216.00	200	Vertical	Pass
4	407.330	32.80	-20.24	46.0	13.20	Peak	165.00	100	Vertical	Pass
5	665.738	33.11	-14.37	46.0	12.89	Peak	360.00	200	Vertical	Pass
6	955.234	34.51	-8.87	46.0	11.49	Peak	165.00	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.

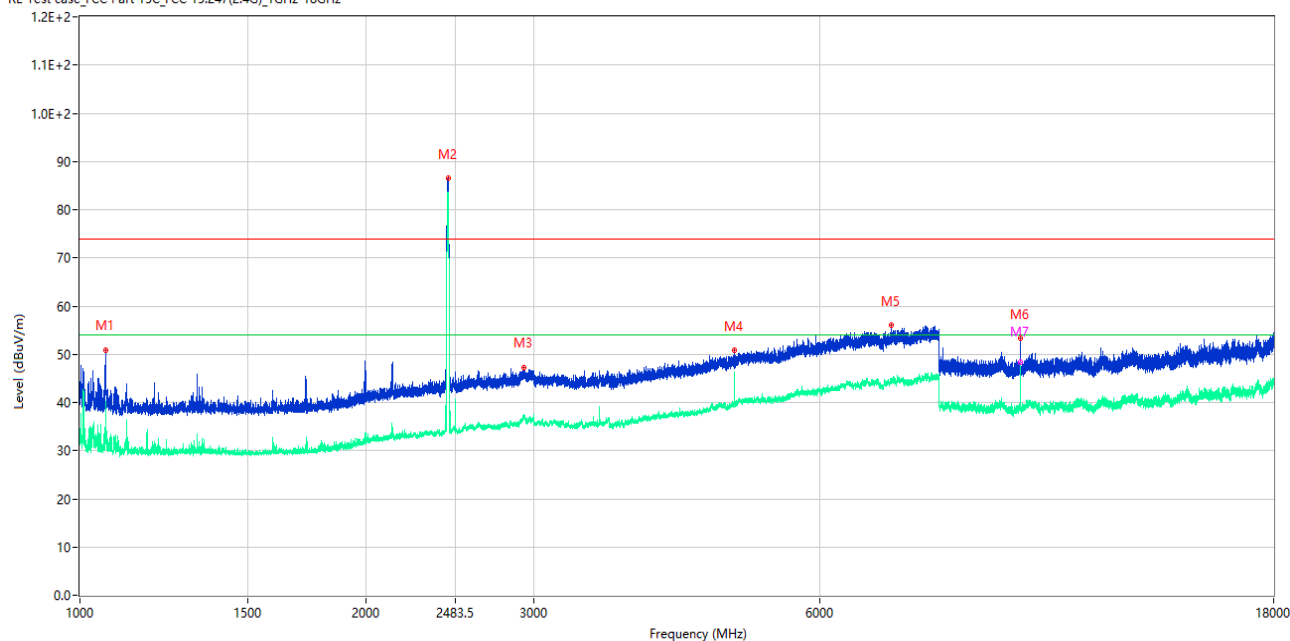
Note 3: All antenna were pre tested, but only the worst case has been reported in this report.

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

Main Antenna:

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

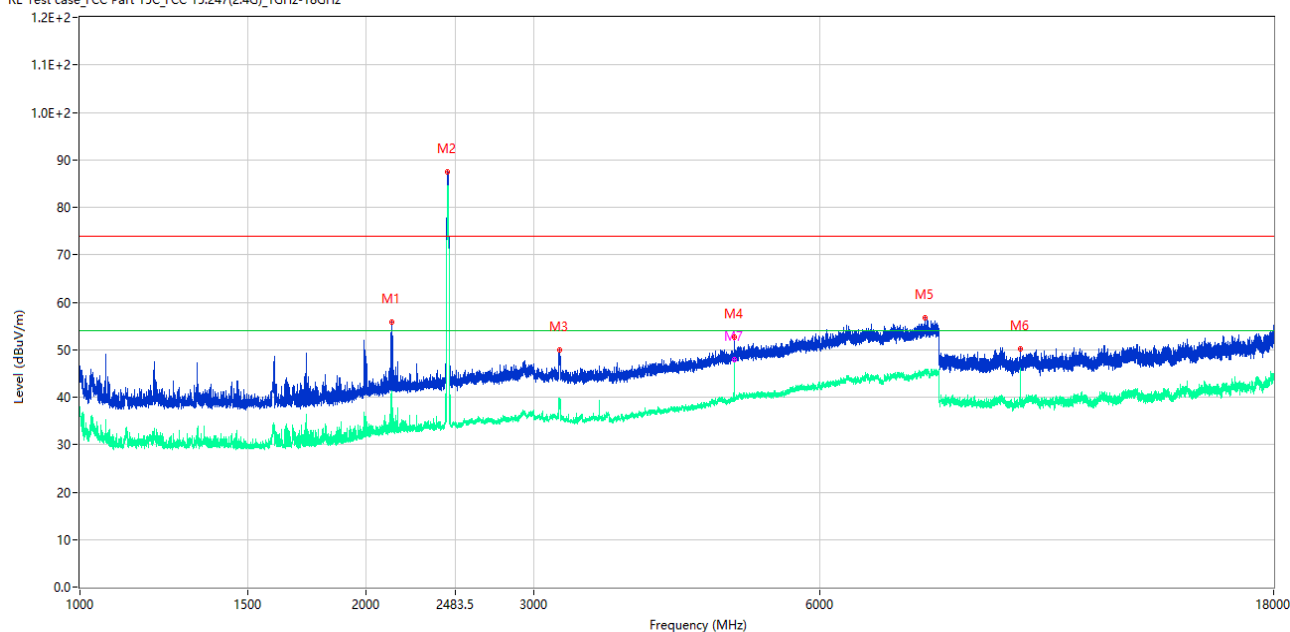
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.000	50.94	-14.28	74.0	23.06	Peak	125.00	150	Horizontal	Pass
1**	1064.000	37.17	-14.28	54.0	16.83	AV	125.00	150	Horizontal	Pass
2	2438.250	86.53	-11.32	74.0	-12.53	Peak	149.00	150	Horizontal	N/A
2**	2438.250	83.63	-11.32	54.0	-29.63	AV	149.00	150	Horizontal	N/A
3	2928.250	47.34	-6.78	74.0	26.66	Peak	337.00	150	Horizontal	Pass
3**	2928.250	37.01	-6.78	54.0	16.99	AV	337.00	150	Horizontal	Pass
4	4874.000	50.84	-1.30	74.0	23.16	Peak	20.00	150	Horizontal	Pass
4**	4874.000	44.40	-1.30	54.0	9.60	AV	20.00	150	Horizontal	Pass
5	7138.500	56.10	2.19	74.0	17.90	Peak	231.00	150	Horizontal	Pass
5**	7138.500	44.39	2.19	54.0	9.61	AV	231.00	150	Horizontal	Pass
6	9748.000	53.37	-1.26	74.0	20.63	Peak	274.00	150	Horizontal	Pass
6**	9748.000	48.24	-1.26	54.0	5.76	AV	274.00	150	Horizontal	Pass
7	9748.500	50.84	-1.19	74.0	23.16	Peak	274.00	150	Horizontal	Pass
7**	9748.500	48.46	-1.19	54.0	5.54	AV	274.00	150	Horizontal	Pass

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

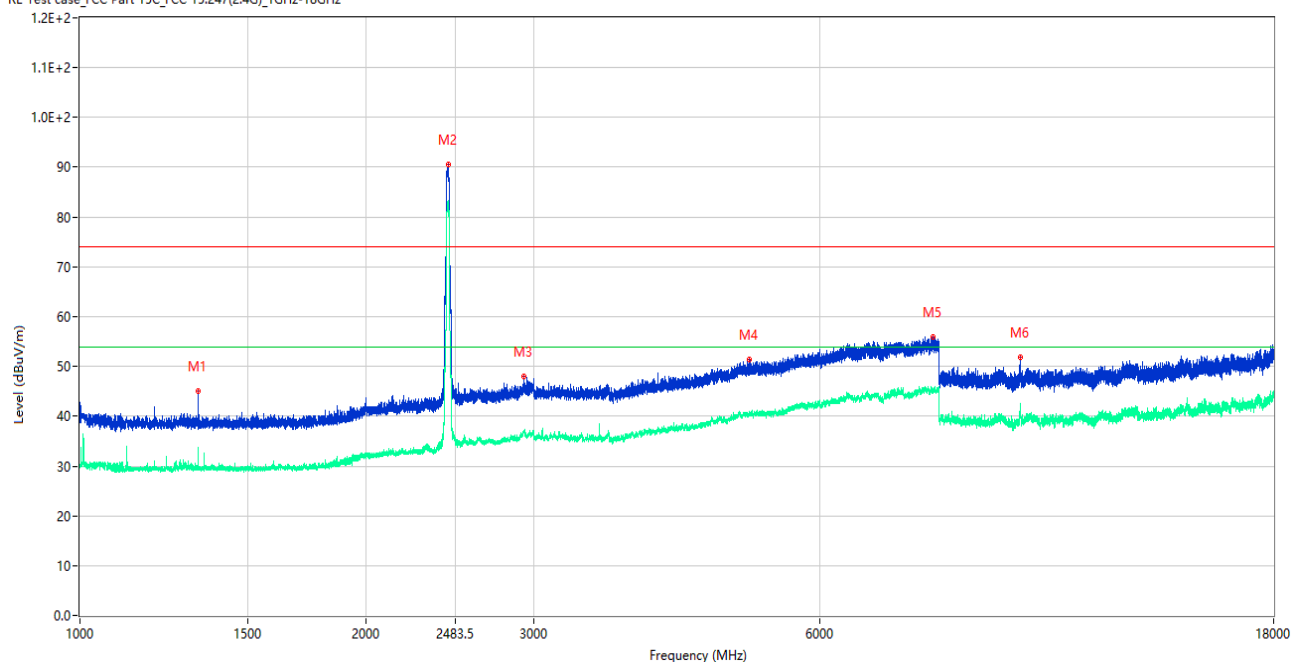
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2127.500	55.76	-11.99	74.0	18.24	Peak	179.00	150	Vertical	Pass
1**	2127.500	32.63	-11.99	54.0	21.37	AV	179.00	150	Vertical	Pass
2	2435.750	87.43	-11.28	74.0	-13.43	Peak	137.00	150	Vertical	N/A
2**	2435.750	84.44	-11.28	54.0	-30.44	AV	137.00	150	Vertical	N/A
3	3194.000	49.96	-6.57	74.0	24.04	Peak	169.00	150	Vertical	Pass
3**	3194.000	39.81	-6.57	54.0	14.19	AV	169.00	150	Vertical	Pass
4	4874.000	52.65	-1.30	74.0	21.35	Peak	360.00	150	Vertical	Pass
4**	4874.000	46.94	-1.30	54.0	7.06	AV	360.00	150	Vertical	Pass
5	7730.500	56.63	3.15	74.0	17.37	Peak	280.00	150	Vertical	Pass
5**	7730.500	45.32	3.15	54.0	8.68	AV	280.00	150	Vertical	Pass
6	9748.000	50.22	-1.26	74.0	23.78	Peak	335.00	150	Vertical	Pass
6**	9748.000	45.80	-1.26	54.0	8.20	AV	335.00	150	Vertical	Pass
7	4874.500	51.20	-1.32	74.0	22.80	Peak	349.00	150	Vertical	Pass
7**	4874.500	47.97	-1.32	54.0	6.03	AV	349.00	150	Vertical	Pass

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

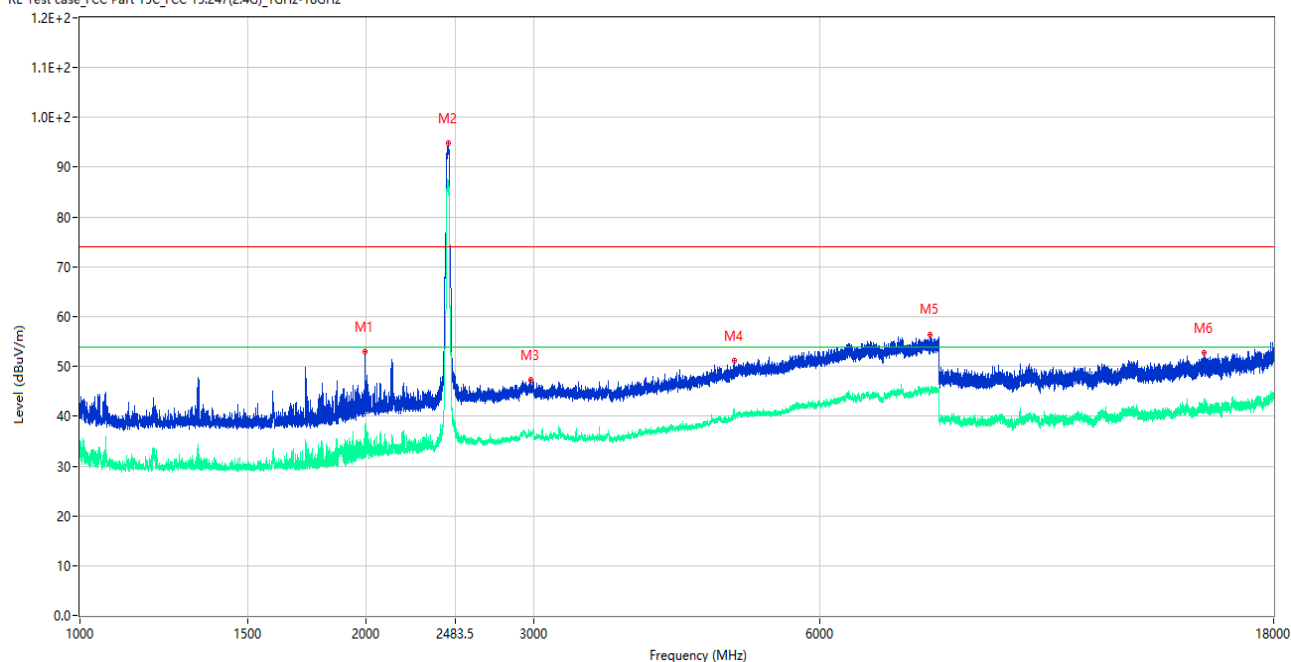
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	45.00	-15.03	74.0	29.00	Peak	81.00	150	Horizontal	Pass
1**	1330.500	29.83	-15.03	54.0	24.17	AV	81.00	150	Horizontal	Pass
2	2438.250	90.53	-11.32	74.0	-16.53	Peak	139.00	150	Horizontal	N/A
2**	2438.250	83.25	-11.32	54.0	-29.25	AV	139.00	150	Horizontal	N/A
3	2930.500	47.97	-6.78	74.0	26.03	Peak	112.00	150	Horizontal	Pass
3**	2930.500	36.71	-6.78	54.0	17.29	AV	112.00	150	Horizontal	Pass
4	5061.500	51.35	-0.92	74.0	22.65	Peak	190.00	150	Horizontal	Pass
4**	5061.500	40.59	-0.92	54.0	13.41	AV	190.00	150	Horizontal	Pass
5	7895.500	55.99	3.47	74.0	18.01	Peak	309.00	150	Horizontal	Pass
5**	7895.500	45.08	3.47	54.0	8.92	AV	309.00	150	Horizontal	Pass
6	9750.000	51.74	-1.12	74.0	22.26	Peak	246.00	150	Horizontal	Pass
6**	9750.000	41.33	-1.12	54.0	12.67	AV	246.00	150	Horizontal	Pass

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

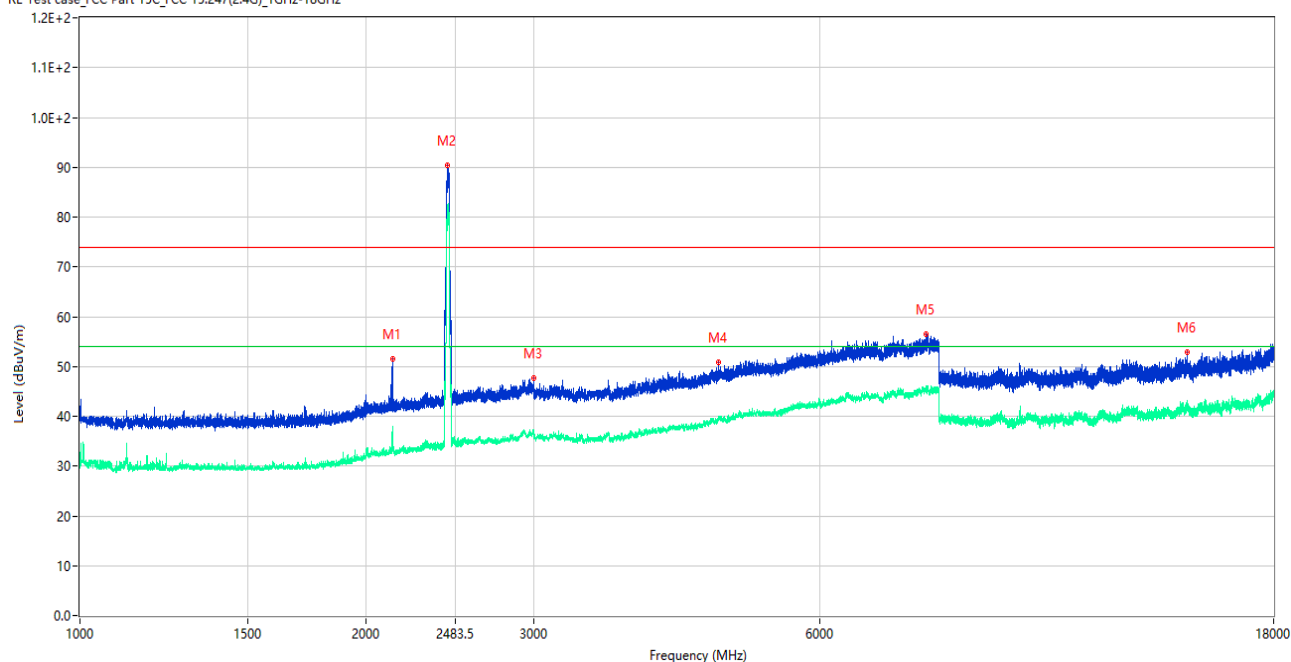
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1992.000	53.02	-13.47	74.0	20.98	Peak	137.00	150	Vertical	Pass
1**	1992.000	32.18	-13.47	54.0	21.82	AV	137.00	150	Vertical	Pass
2	2438.000	94.94	-11.32	74.0	-20.94	Peak	142.00	150	Vertical	N/A
2**	2438.000	87.34	-11.32	54.0	-33.34	AV	142.00	150	Vertical	N/A
3	2978.750	47.37	-7.74	74.0	26.63	Peak	89.00	150	Vertical	Pass
3**	2978.750	36.25	-7.74	54.0	17.75	AV	89.00	150	Vertical	Pass
4	4878.000	51.10	-1.31	74.0	22.90	Peak	218.00	150	Vertical	Pass
4**	4878.000	40.78	-1.31	54.0	13.22	AV	218.00	150	Vertical	Pass
5	7841.000	56.48	3.56	74.0	17.52	Peak	298.00	150	Vertical	Pass
5**	7841.000	44.61	3.56	54.0	9.39	AV	298.00	150	Vertical	Pass
6	15207.500	52.65	0.94	74.0	21.35	Peak	98.00	150	Vertical	Pass
6**	15207.500	41.57	0.94	54.0	12.43	AV	98.00	150	Vertical	Pass

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

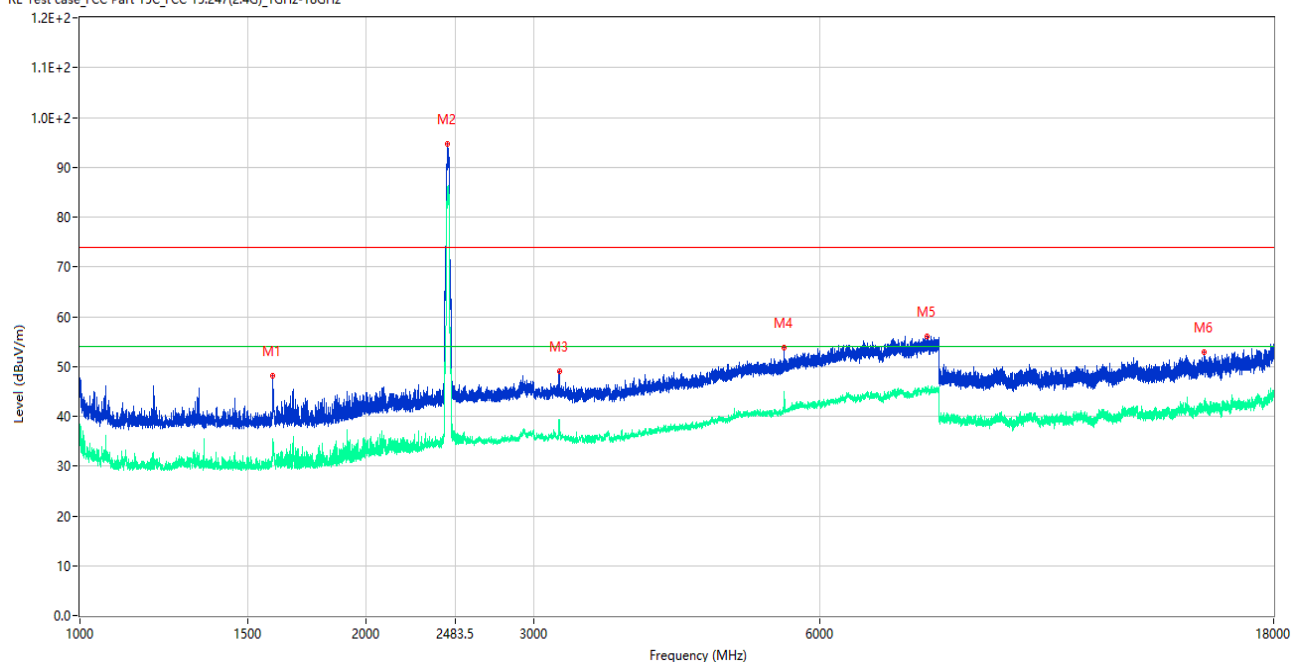
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2132.000	51.58	-12.05	74.0	22.42	Peak	127.00	150	Horizontal	Pass
1**	2132.000	33.78	-12.05	54.0	20.22	AV	127.00	150	Horizontal	Pass
2	2436.250	90.32	-11.30	74.0	-16.32	Peak	89.00	150	Horizontal	N/A
2**	2436.250	82.33	-11.30	54.0	-28.33	AV	89.00	150	Horizontal	N/A
3	2997.750	47.66	-7.52	74.0	26.34	Peak	24.00	150	Horizontal	Pass
3**	2997.750	37.10	-7.52	54.0	16.90	AV	24.00	150	Horizontal	Pass
4	4693.500	50.90	-2.22	74.0	23.10	Peak	222.00	150	Horizontal	Pass
4**	4693.500	39.40	-2.22	54.0	14.60	AV	222.00	150	Horizontal	Pass
5	7750.000	56.47	3.64	74.0	17.53	Peak	72.00	150	Horizontal	Pass
5**	7750.000	45.58	3.64	54.0	8.42	AV	72.00	150	Horizontal	Pass
6	14589.500	52.95	1.00	74.0	21.05	Peak	360.00	150	Horizontal	Pass
6**	14589.500	42.25	1.00	54.0	11.75	AV	360.00	150	Horizontal	Pass

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

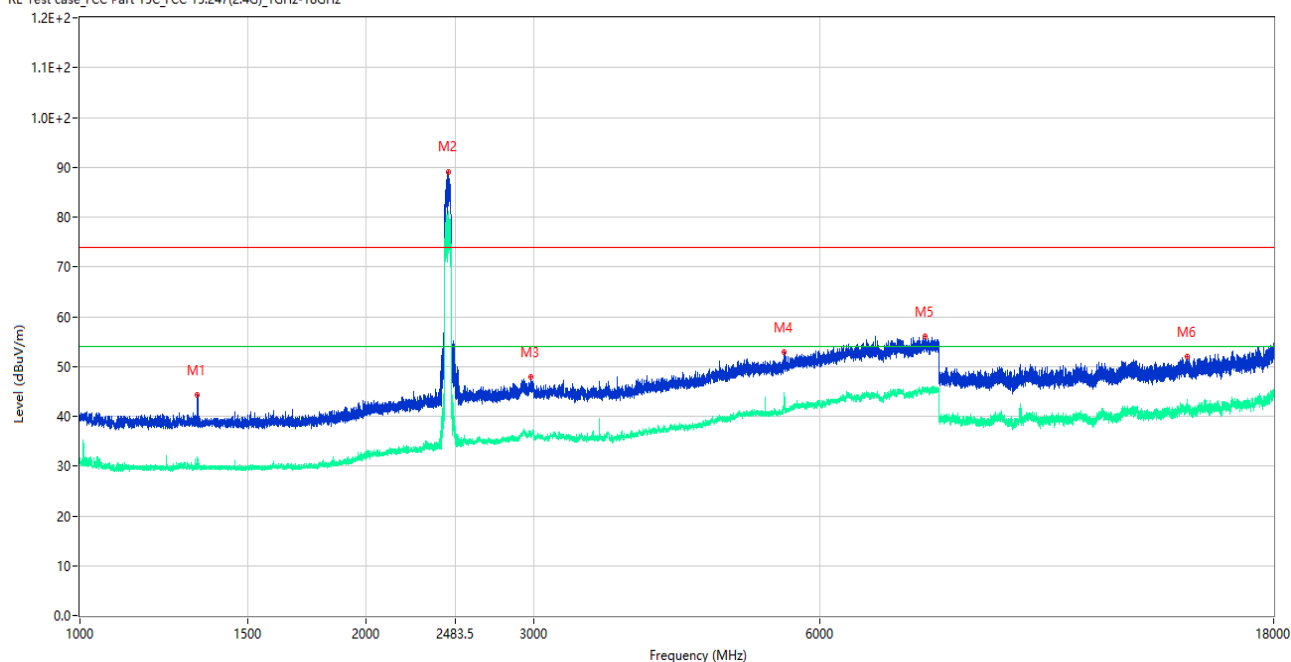
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.250	48.20	-15.18	74.0	25.80	Peak	130.00	150	Vertical	Pass
1**	1594.250	34.98	-15.18	54.0	19.02	AV	130.00	150	Vertical	Pass
2	2435.250	94.74	-11.25	74.0	-20.74	Peak	149.00	150	Vertical	N/A
2**	2435.250	85.78	-11.25	54.0	-31.78	AV	149.00	150	Vertical	N/A
3	3193.500	49.04	-6.55	74.0	24.96	Peak	168.00	150	Vertical	Pass
3**	3193.500	38.60	-6.55	54.0	15.40	AV	168.00	150	Vertical	Pass
4	5501.000	53.80	-0.80	74.0	20.20	Peak	98.00	150	Vertical	Pass
4**	5501.000	44.88	-0.80	54.0	9.12	AV	98.00	150	Vertical	Pass
5	7781.000	56.10	3.39	74.0	17.90	Peak	11.00	150	Vertical	Pass
5**	7781.000	45.59	3.39	54.0	8.41	AV	11.00	150	Vertical	Pass
6	15206.500	52.88	0.91	74.0	21.12	Peak	360.00	150	Vertical	Pass
6**	15206.500	41.65	0.91	54.0	12.35	AV	360.00	150	Vertical	Pass

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

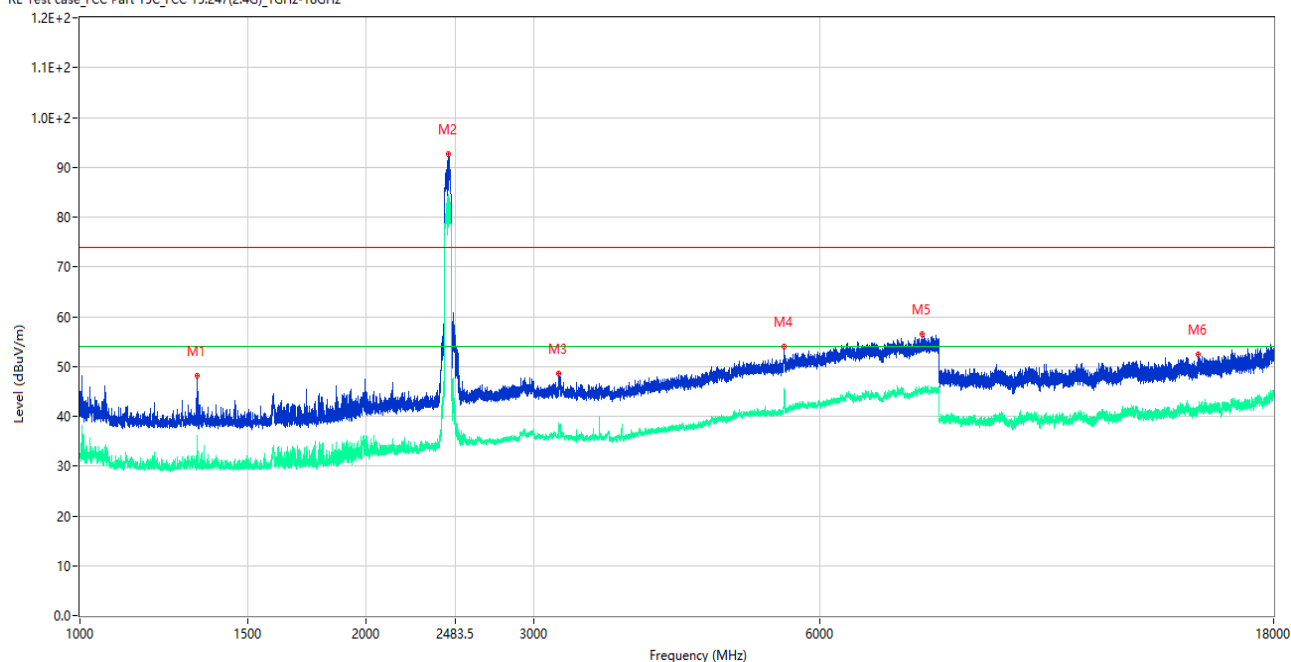
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.750	44.26	-15.00	74.0	29.74	Peak	66.00	150	Horizontal	Pass
1**	1328.750	29.92	-15.00	54.0	24.08	AV	66.00	150	Horizontal	Pass
2	2439.250	89.14	-11.33	74.0	-15.14	Peak	143.00	150	Horizontal	N/A
2**	2439.250	80.14	-11.33	54.0	-26.14	AV	143.00	150	Horizontal	N/A
3	2976.000	47.87	-7.54	74.0	26.13	Peak	129.00	150	Horizontal	Pass
3**	2976.000	36.41	-7.54	54.0	17.59	AV	129.00	150	Horizontal	Pass
4	5495.500	52.81	-0.70	74.0	21.19	Peak	37.00	150	Horizontal	Pass
4**	5495.500	43.47	-0.70	54.0	10.53	AV	37.00	150	Horizontal	Pass
5	7737.000	56.01	3.31	74.0	17.99	Peak	137.00	150	Horizontal	Pass
5**	7737.000	45.93	3.31	54.0	8.07	AV	137.00	150	Horizontal	Pass
6	14595.000	51.98	1.12	74.0	22.02	Peak	360.00	150	Horizontal	Pass
6**	14595.000	42.85	1.12	54.0	11.15	AV	360.00	150	Horizontal	Pass

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

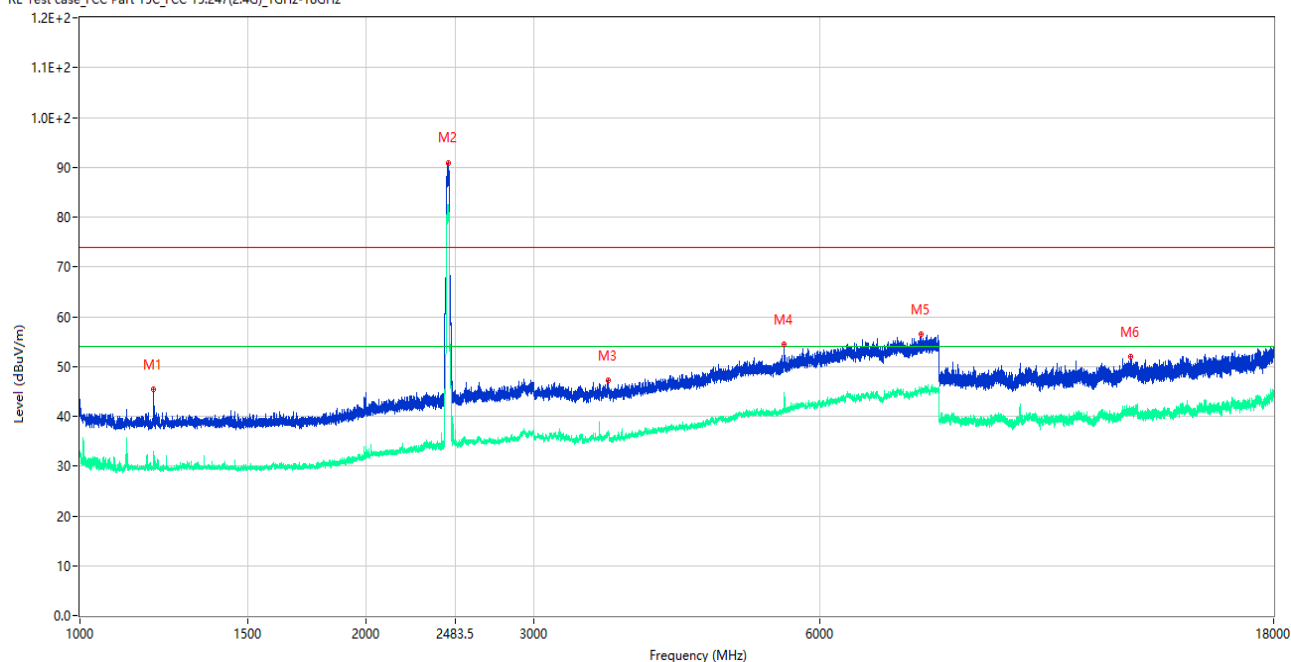
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.750	48.06	-15.00	74.0	25.94	Peak	75.00	150	Vertical	Pass
1**	1327.750	33.20	-15.00	54.0	20.80	AV	75.00	150	Vertical	Pass
2	2438.250	92.56	-11.32	74.0	-18.56	Peak	150.00	150	Vertical	N/A
2**	2438.250	78.18	-11.32	54.0	-24.18	AV	150.00	150	Vertical	N/A
3	3190.000	48.60	-6.52	74.0	25.40	Peak	170.00	150	Vertical	Pass
3**	3190.000	37.04	-6.52	54.0	16.96	AV	170.00	150	Vertical	Pass
4	5505.500	54.08	-0.81	74.0	19.92	Peak	253.00	150	Vertical	Pass
4**	5505.500	44.75	-0.81	54.0	9.25	AV	253.00	150	Vertical	Pass
5	7692.000	56.56	3.45	74.0	17.44	Peak	139.00	150	Vertical	Pass
5**	7692.000	45.22	3.45	54.0	8.78	AV	139.00	150	Vertical	Pass
6	14977.500	52.42	0.98	74.0	21.58	Peak	28.00	150	Vertical	Pass
6**	14977.500	41.31	0.98	54.0	12.69	AV	28.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ac20 Middle Channel

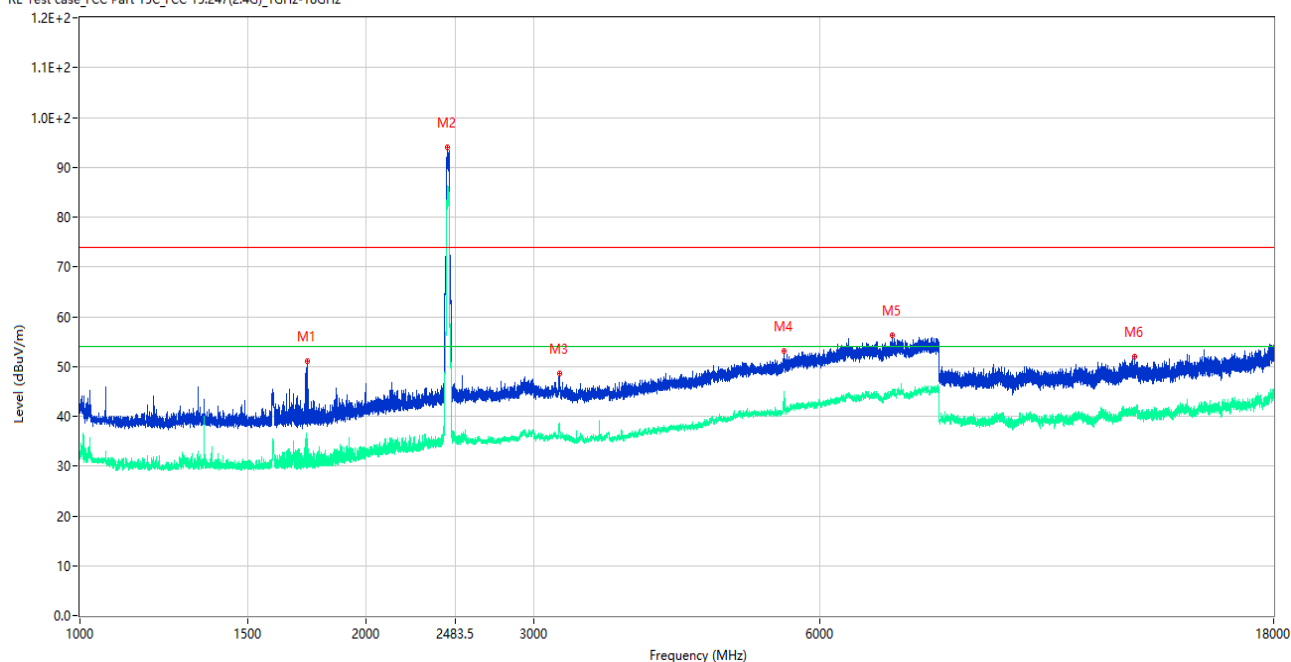
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.750	45.43	-14.80	74.0	28.57	Peak	78.00	150	Horizontal	Pass
1**	1194.750	30.45	-14.80	54.0	23.55	AV	78.00	150	Horizontal	Pass
2	2438.000	90.95	-11.32	74.0	-16.95	Peak	87.00	150	Horizontal	N/A
2**	2438.000	82.12	-11.32	54.0	-28.12	AV	87.00	150	Horizontal	N/A
3	3590.500	47.18	-5.07	74.0	26.82	Peak	0.00	150	Horizontal	Pass
3**	3590.500	36.53	-5.07	54.0	17.47	AV	0.00	150	Horizontal	Pass
4	5505.500	54.44	-0.81	74.0	19.56	Peak	29.00	150	Horizontal	Pass
4**	5505.500	43.94	-0.81	54.0	10.06	AV	29.00	150	Horizontal	Pass
5	7657.000	56.55	2.83	74.0	17.45	Peak	248.00	150	Horizontal	Pass
5**	7657.000	44.75	2.83	54.0	9.25	AV	248.00	150	Horizontal	Pass
6	12717.000	51.95	0.04	74.0	22.05	Peak	25.00	150	Horizontal	Pass
6**	12717.000	40.60	0.04	54.0	13.40	AV	25.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ac20 Middle Channel

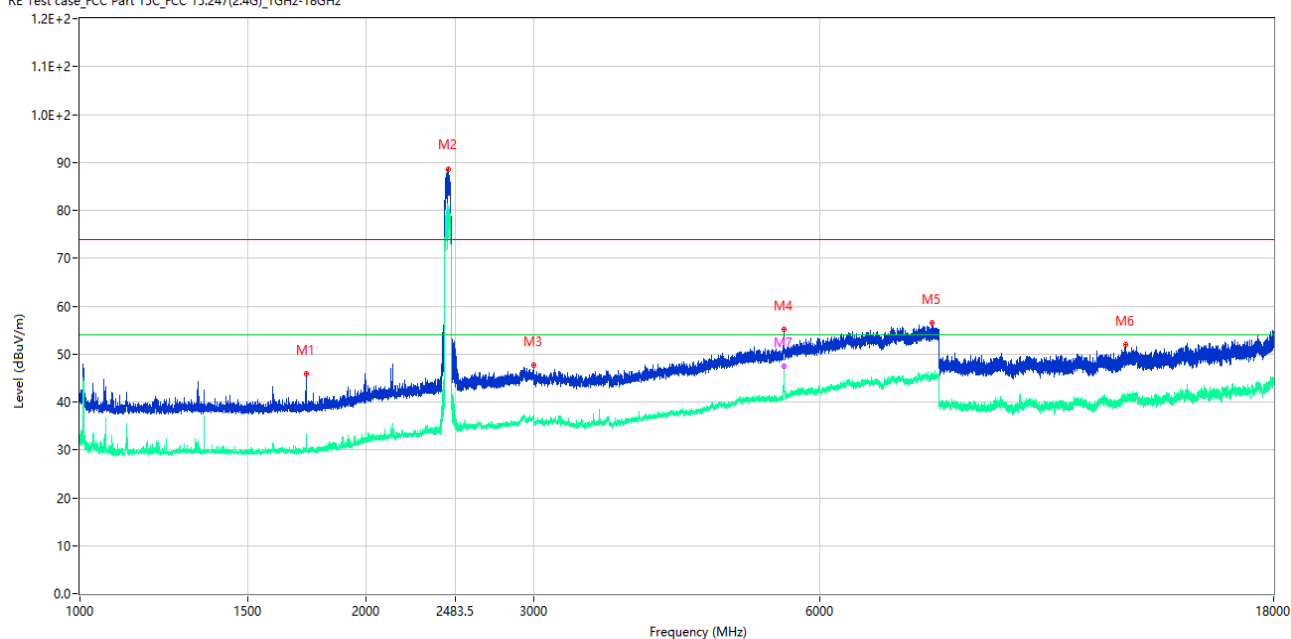
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1733.500	51.07	-15.10	74.0	22.93	Peak	168.00	150	Vertical	Pass
1**	1733.500	29.65	-15.10	54.0	24.35	AV	168.00	150	Vertical	Pass
2	2436.750	93.90	-11.31	74.0	-19.90	Peak	144.00	150	Vertical	N/A
2**	2436.750	85.25	-11.31	54.0	-31.25	AV	144.00	150	Vertical	N/A
3	3191.000	48.56	-6.54	74.0	25.44	Peak	166.00	150	Vertical	Pass
3**	3191.000	37.56	-6.54	54.0	16.44	AV	166.00	150	Vertical	Pass
4	5495.000	53.04	-0.68	74.0	20.96	Peak	360.00	150	Vertical	Pass
4**	5495.000	42.62	-0.68	54.0	11.38	AV	360.00	150	Vertical	Pass
5	7141.500	56.30	2.21	74.0	17.70	Peak	206.00	150	Vertical	Pass
5**	7141.500	44.63	2.21	54.0	9.37	AV	206.00	150	Vertical	Pass
6	12869.000	52.00	-0.12	74.0	22.00	Peak	129.00	150	Vertical	Pass
6**	12869.000	40.92	-0.12	54.0	13.08	AV	129.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ac40 Middle Channel

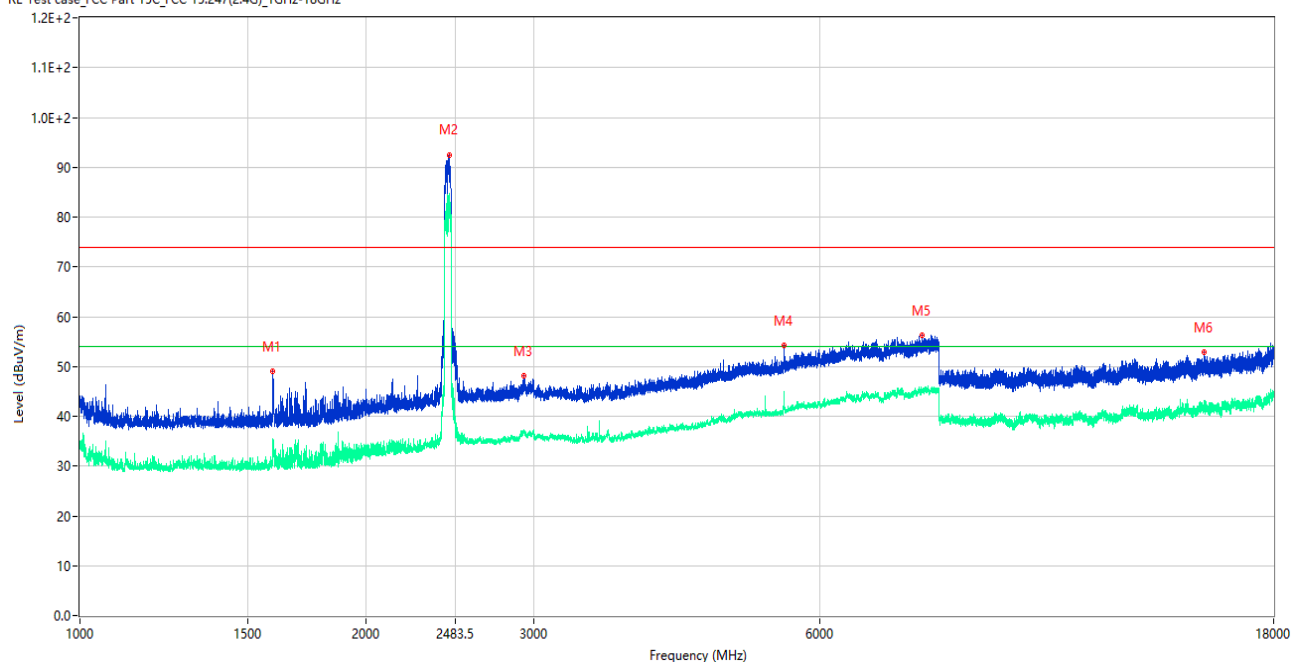
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1729.500	45.77	-15.02	74.0	28.23	Peak	84.00	150	Horizontal	Pass
1**	1729.500	30.59	-15.02	54.0	23.41	AV	84.00	150	Horizontal	Pass
2	2439.000	88.70	-11.32	74.0	-14.70	Peak	139.00	150	Horizontal	N/A
2**	2439.000	78.47	-11.32	54.0	-24.47	AV	139.00	150	Horizontal	N/A
3	2999.500	47.77	-7.46	74.0	26.23	Peak	191.00	150	Horizontal	Pass
3**	2999.500	36.97	-7.46	54.0	17.03	AV	191.00	150	Horizontal	Pass
4	5498.000	55.03	-0.76	74.0	18.97	Peak	36.00	150	Horizontal	Pass
4**	5498.000	46.74	-0.76	54.0	7.26	AV	36.00	150	Horizontal	Pass
5	7866.500	56.45	3.87	74.0	17.55	Peak	179.00	150	Horizontal	Pass
5**	7866.500	45.96	3.87	54.0	8.04	AV	179.00	150	Horizontal	Pass
6	12575.000	51.92	-0.37	74.0	22.08	Peak	10.00	150	Horizontal	Pass
6**	12575.000	40.42	-0.37	54.0	13.58	AV	10.00	150	Horizontal	Pass
7	5498.500	54.55	-0.78	74.0	19.45	Peak	7.00	150	Horizontal	Pass
7**	5498.500	47.52	-0.78	54.0	6.48	AV	7.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ac40 Middle Channel

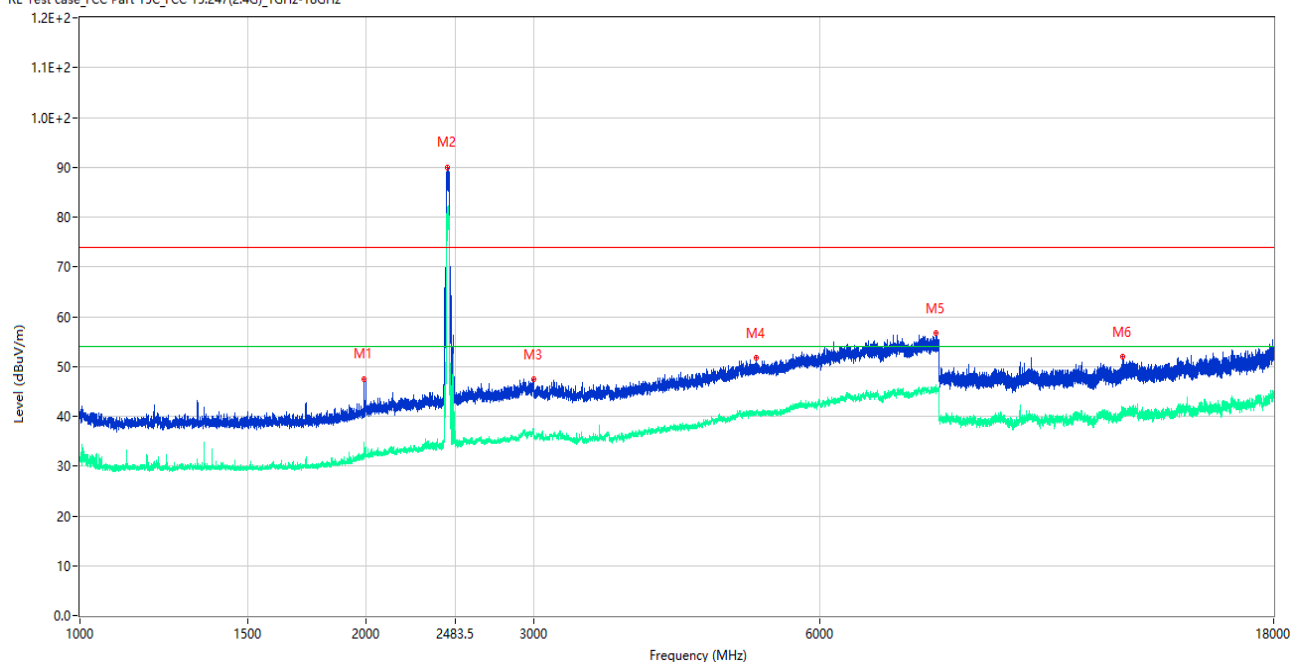
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.750	49.04	-15.15	74.0	24.96	Peak	129.00	150	Vertical	Pass
1**	1592.750	30.88	-15.15	54.0	23.12	AV	129.00	150	Vertical	Pass
2	2443.250	92.52	-11.38	74.0	-18.52	Peak	146.00	150	Vertical	N/A
2**	2443.250	82.85	-11.38	54.0	-28.85	AV	146.00	150	Vertical	N/A
3	2931.000	48.18	-6.80	74.0	25.82	Peak	360.00	150	Vertical	Pass
3**	2931.000	36.90	-6.80	54.0	17.10	AV	360.00	150	Vertical	Pass
4	5499.000	54.26	-0.78	74.0	19.74	Peak	198.00	150	Vertical	Pass
4**	5499.000	44.66	-0.78	54.0	9.34	AV	198.00	150	Vertical	Pass
5	7681.500	56.29	3.32	74.0	17.71	Peak	69.00	150	Vertical	Pass
5**	7681.500	45.00	3.32	54.0	9.00	AV	69.00	150	Vertical	Pass
6	15216.000	52.92	1.69	74.0	21.08	Peak	25.00	150	Vertical	Pass
6**	15216.000	42.03	1.69	54.0	11.97	AV	25.00	150	Vertical	Pass

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

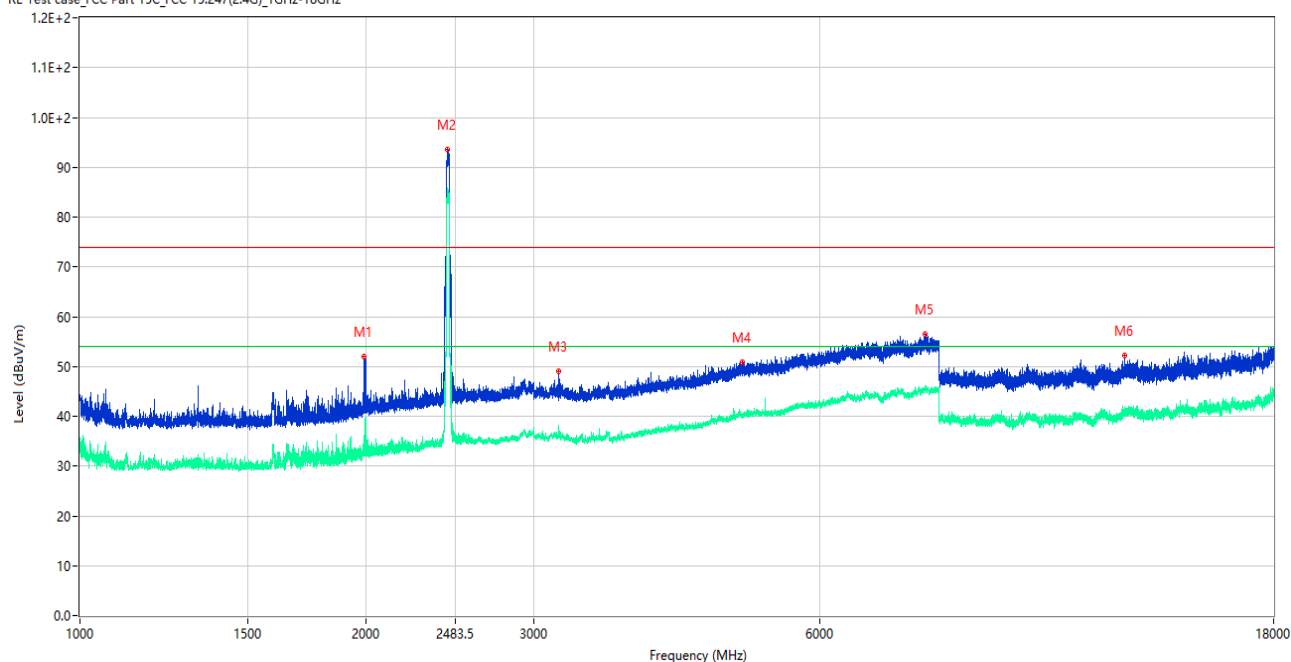
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1990.750	47.42	-13.51	74.0	26.58	Peak	265.00	150	Horizontal	Pass
1**	1990.750	32.46	-13.51	54.0	21.54	AV	265.00	150	Horizontal	Pass
2	2433.500	90.06	-11.22	74.0	-16.06	Peak	89.00	150	Horizontal	N/A
2**	2433.500	81.60	-11.22	54.0	-27.60	AV	89.00	150	Horizontal	N/A
3	2999.750	47.42	-7.46	74.0	26.58	Peak	316.00	150	Horizontal	Pass
3**	2999.750	37.36	-7.46	54.0	16.64	AV	316.00	150	Horizontal	Pass
4	5143.500	51.70	-0.79	74.0	22.30	Peak	360.00	150	Horizontal	Pass
4**	5143.500	40.47	-0.79	54.0	13.53	AV	360.00	150	Horizontal	Pass
5	7952.500	56.65	3.93	74.0	17.35	Peak	27.00	150	Horizontal	Pass
5**	7952.500	45.09	3.93	54.0	8.91	AV	27.00	150	Horizontal	Pass
6	12498.000	51.88	0.15	74.0	22.12	Peak	359.00	150	Horizontal	Pass
6**	12498.000	41.37	0.15	54.0	12.63	AV	359.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Middle Channel

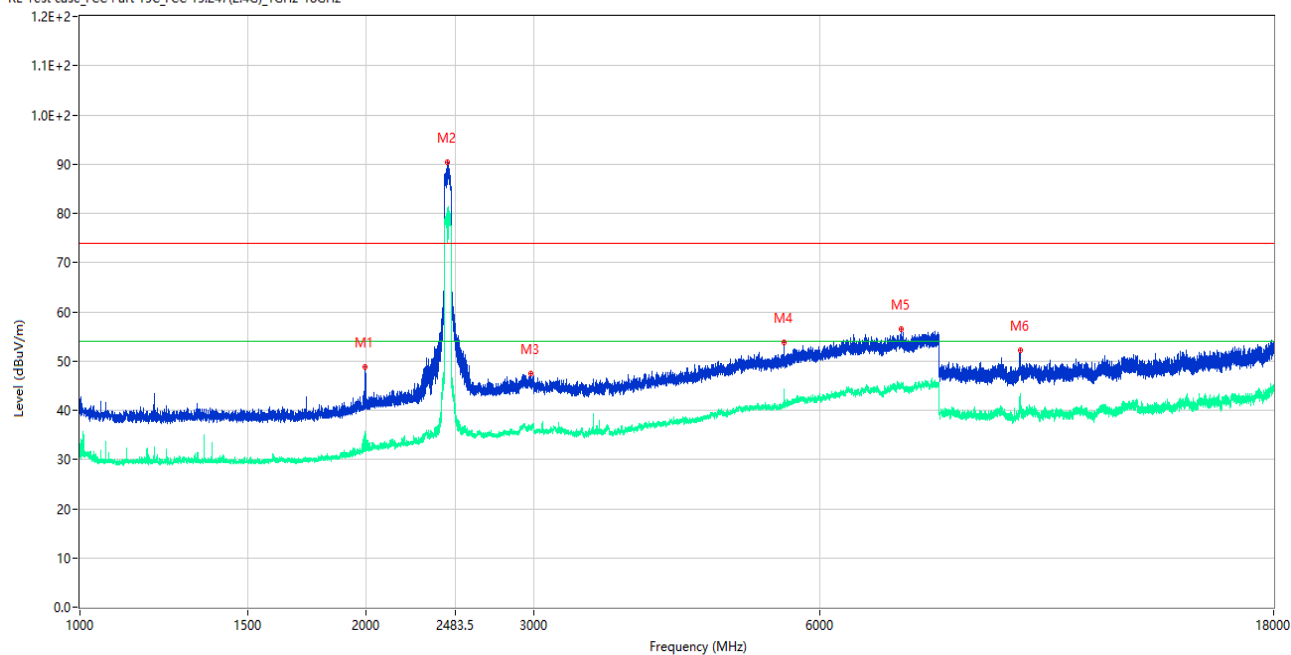
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1991.500	52.05	-13.48	74.0	21.95	Peak	187.00	150	Vertical	Pass
1**	1991.500	32.94	-13.48	54.0	21.06	AV	187.00	150	Vertical	Pass
2	2433.750	93.64	-11.23	74.0	-19.64	Peak	144.00	150	Vertical	N/A
2**	2433.750	84.70	-11.23	54.0	-30.70	AV	144.00	150	Vertical	N/A
3	3186.000	49.12	-6.47	74.0	24.88	Peak	173.00	150	Vertical	Pass
3**	3186.000	37.85	-6.47	54.0	16.15	AV	173.00	150	Vertical	Pass
4	4971.500	50.91	-1.28	74.0	23.09	Peak	273.00	150	Vertical	Pass
4**	4971.500	39.86	-1.28	54.0	14.14	AV	273.00	150	Vertical	Pass
5	7747.500	56.48	3.56	74.0	17.52	Peak	0.00	150	Vertical	Pass
5**	7747.500	45.68	3.56	54.0	8.32	AV	0.00	150	Vertical	Pass
6	12536.500	52.12	-0.31	74.0	21.88	Peak	360.00	150	Vertical	Pass
6**	12536.500	40.76	-0.31	54.0	13.24	AV	360.00	150	Vertical	Pass

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

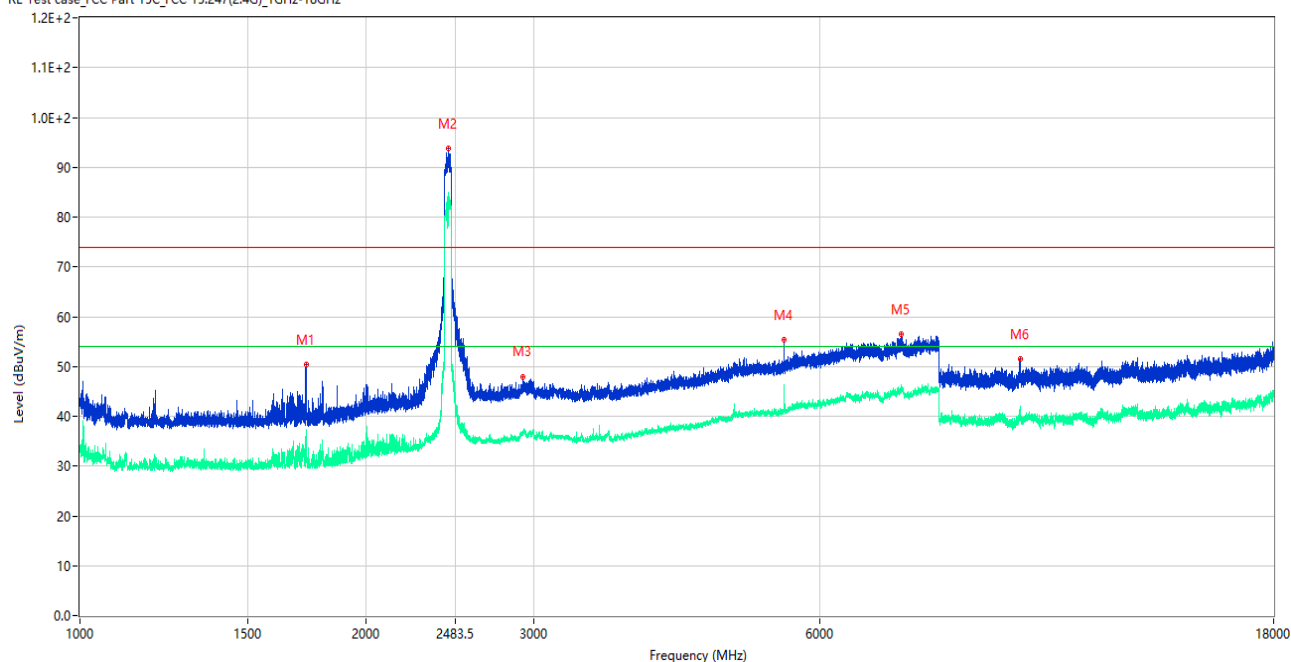
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1995.750	48.76	-13.31	74.0	25.24	Peak	128.00	150	Horizontal	Pass
1**	1995.750	31.65	-13.31	54.0	22.35	AV	128.00	150	Horizontal	Pass
2	2436.000	90.37	-11.29	74.0	-16.37	Peak	85.00	150	Horizontal	N/A
2**	2436.000	78.39	-11.29	54.0	-24.39	AV	85.00	150	Horizontal	N/A
3	2981.500	47.53	-8.05	74.0	26.47	Peak	61.00	150	Horizontal	Pass
3**	2981.500	36.18	-8.05	54.0	17.82	AV	61.00	150	Horizontal	Pass
4	5504.000	53.76	-0.85	74.0	20.24	Peak	152.00	150	Horizontal	Pass
4**	5504.000	43.68	-0.85	54.0	10.32	AV	152.00	150	Horizontal	Pass
5	7307.500	56.54	2.61	74.0	17.46	Peak	349.00	150	Horizontal	Pass
5**	7307.500	45.28	2.61	54.0	8.72	AV	349.00	150	Horizontal	Pass
6	9739.500	52.10	-1.30	74.0	21.90	Peak	233.00	150	Horizontal	Pass
6**	9739.500	41.37	-1.30	54.0	12.63	AV	233.00	150	Horizontal	Pass

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

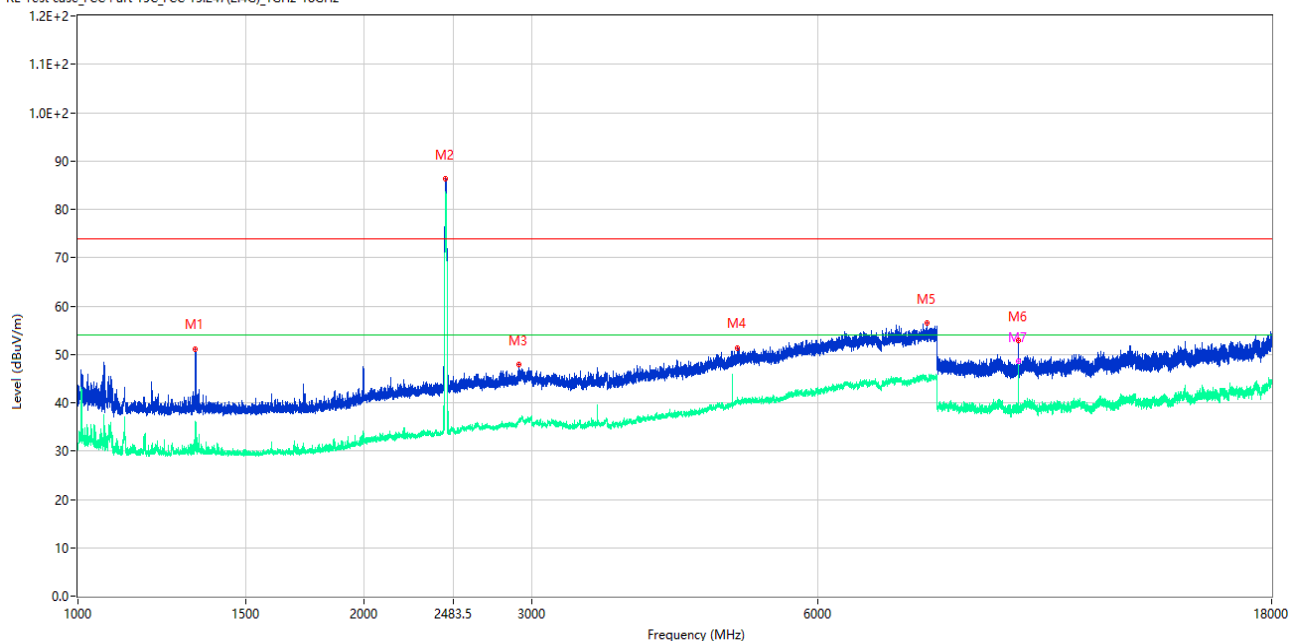
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1729.750	50.48	-15.03	74.0	23.52	Peak	193.00	150	Vertical	Pass
1**	1729.750	31.47	-15.03	54.0	22.53	AV	193.00	150	Vertical	Pass
2	2439.500	93.72	-11.34	74.0	-19.72	Peak	147.00	150	Vertical	N/A
2**	2439.500	83.49	-11.34	54.0	-29.49	AV	147.00	150	Vertical	N/A
3	2923.500	47.89	-7.12	74.0	26.11	Peak	160.00	150	Vertical	Pass
3**	2923.500	36.66	-7.12	54.0	17.34	AV	160.00	150	Vertical	Pass
4	5500.000	55.42	-0.79	74.0	18.58	Peak	179.00	150	Vertical	Pass
4**	5500.000	44.83	-0.79	54.0	9.17	AV	179.00	150	Vertical	Pass
5	7312.000	56.49	2.62	74.0	17.51	Peak	69.00	150	Vertical	Pass
5**	7312.000	45.68	2.62	54.0	8.32	AV	69.00	150	Vertical	Pass
6	9739.500	51.42	-1.30	74.0	22.58	Peak	70.00	150	Vertical	Pass
6**	9739.500	41.70	-1.30	54.0	12.30	AV	70.00	150	Vertical	Pass

Aux. Antenna:**1 GHz to 18 GHz, ANT H 802.11b Middle Channel**

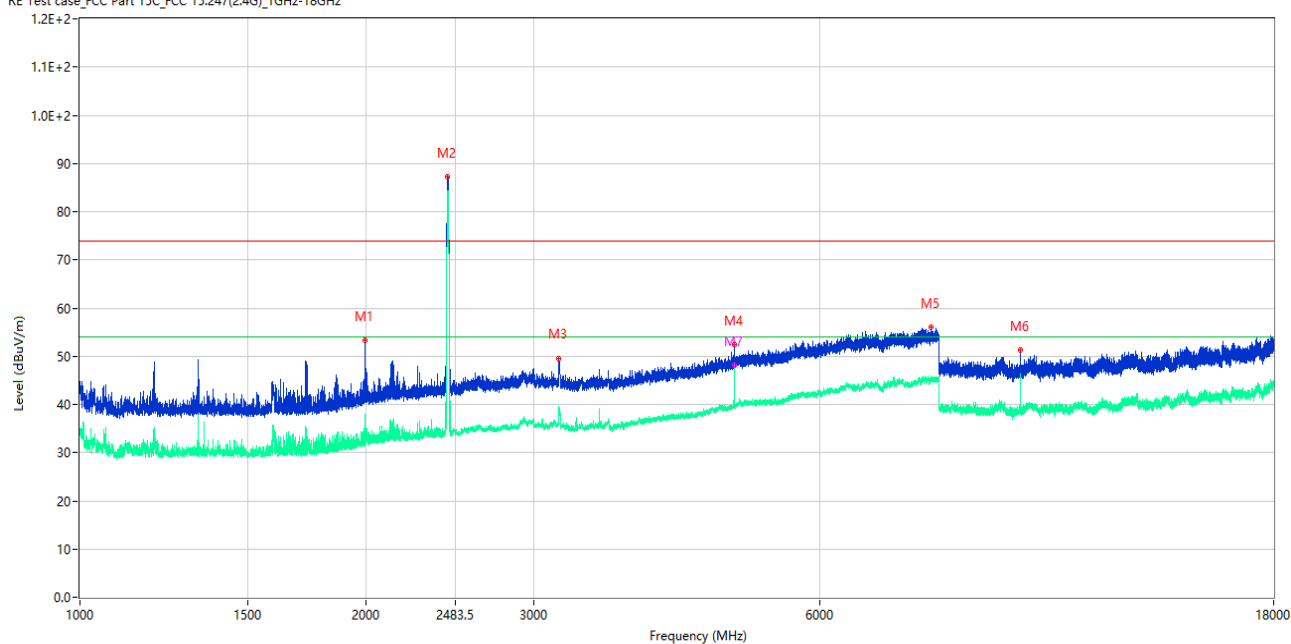
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.750	51.16	-15.00	74.0	22.84	Peak	93.00	150	Horizontal	Pass
1**	1327.750	30.47	-15.00	54.0	23.53	AV	93.00	150	Horizontal	Pass
2	2435.750	86.41	-11.28	74.0	-12.41	Peak	88.00	150	Horizontal	N/A
2**	2435.750	83.38	-11.28	54.0	-29.38	AV	88.00	150	Horizontal	N/A
3	2907.000	47.84	-8.20	74.0	26.16	Peak	360.00	150	Horizontal	Pass
3**	2907.000	36.12	-8.20	54.0	17.88	AV	360.00	150	Horizontal	Pass
4	4941.500	51.39	-0.53	74.0	22.61	Peak	169.00	150	Horizontal	Pass
4**	4941.500	40.83	-0.53	54.0	13.17	AV	169.00	150	Horizontal	Pass
5	7811.000	56.51	3.41	74.0	17.49	Peak	59.00	150	Horizontal	Pass
5**	7811.000	44.44	3.41	54.0	9.56	AV	59.00	150	Horizontal	Pass
6	9747.500	52.79	-1.32	74.0	21.21	Peak	259.00	150	Horizontal	Pass
6**	9747.500	43.82	-1.32	54.0	10.18	AV	259.00	150	Horizontal	Pass
7	9748.500	50.88	-1.19	74.0	23.12	Peak	228.00	150	Horizontal	Pass
7**	9748.500	48.58	-1.19	54.0	5.42	AV	228.00	150	Horizontal	Pass

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

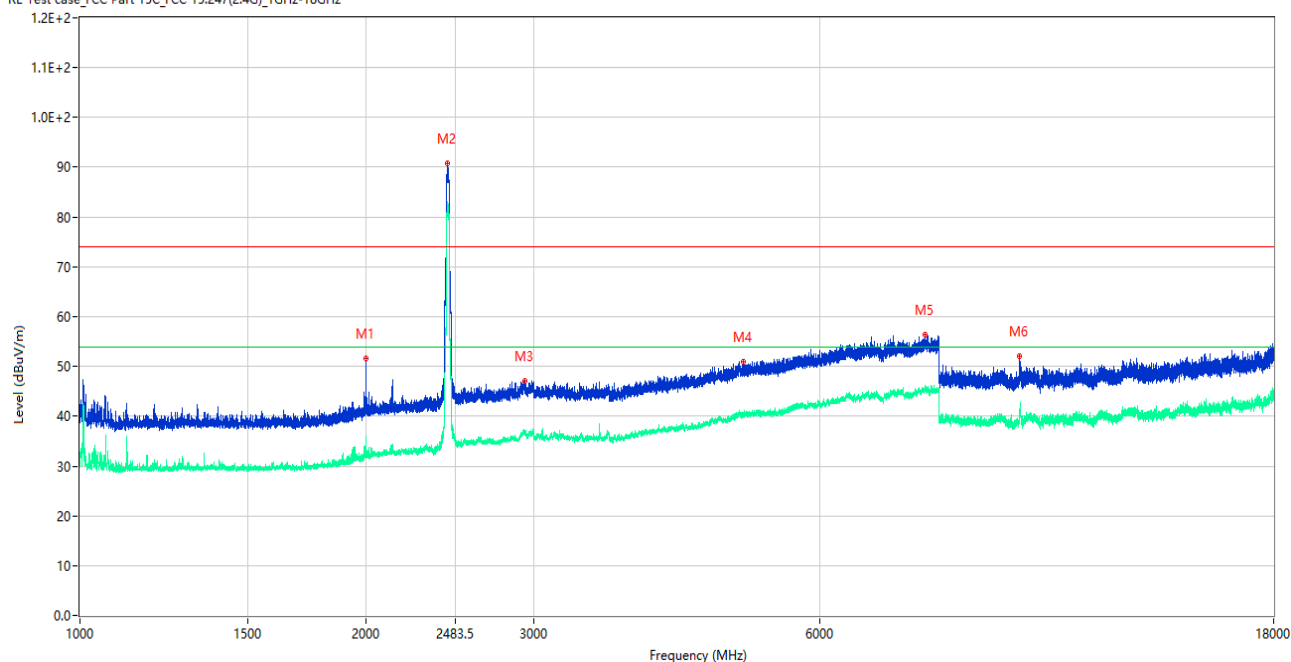
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1995.000	53.38	-13.34	74.0	20.62	Peak	190.00	150	Vertical	Pass
1**	1995.000	34.16	-13.34	54.0	19.84	AV	190.00	150	Vertical	Pass
2	2435.750	87.28	-11.28	74.0	-13.28	Peak	138.00	150	Vertical	N/A
2**	2435.750	84.20	-11.28	54.0	-30.20	AV	138.00	150	Vertical	N/A
3	3185.500	49.58	-6.45	74.0	24.42	Peak	173.00	150	Vertical	Pass
3**	3185.500	36.48	-6.45	54.0	17.52	AV	173.00	150	Vertical	Pass
4	4874.000	52.46	-1.30	74.0	21.54	Peak	349.00	150	Vertical	Pass
4**	4874.000	46.40	-1.30	54.0	7.60	AV	349.00	150	Vertical	Pass
5	7848.500	56.11	3.63	74.0	17.89	Peak	245.00	150	Vertical	Pass
5**	7848.500	44.84	3.63	54.0	9.16	AV	245.00	150	Vertical	Pass
6	9747.500	51.24	-1.32	74.0	22.76	Peak	321.00	150	Vertical	Pass
6**	9747.500	42.64	-1.32	54.0	11.36	AV	321.00	150	Vertical	Pass
7	4874.500	51.32	-1.32	74.0	22.68	Peak	353.00	150	Vertical	Pass
7**	4874.500	48.19	-1.32	54.0	5.81	AV	353.00	150	Vertical	Pass

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

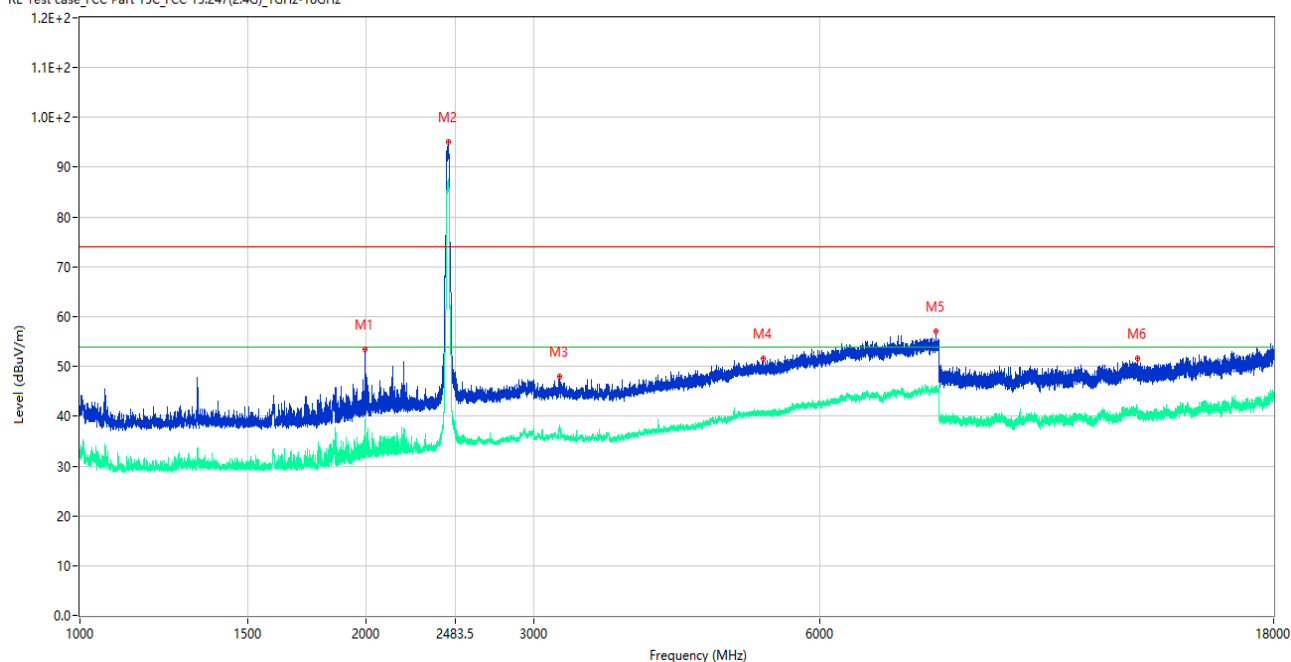
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1999.000	51.65	-13.14	74.0	22.35	Peak	121.00	150	Horizontal	Pass
1**	1999.000	31.79	-13.14	54.0	22.21	AV	121.00	150	Horizontal	Pass
2	2439.500	90.83	-11.26	74.0	-16.83	Peak	136.00	150	Horizontal	N/A
2**	2439.500	83.00	-11.26	54.0	-29.00	AV	136.00	150	Horizontal	N/A
3	2934.250	47.19	-6.87	74.0	26.81	Peak	168.00	150	Horizontal	Pass
3**	2934.250	37.06	-6.87	54.0	16.94	AV	168.00	150	Horizontal	Pass
4	4986.000	50.92	-1.11	74.0	23.08	Peak	11.00	150	Horizontal	Pass
4**	4986.000	40.02	-1.11	54.0	13.98	AV	11.00	150	Horizontal	Pass
5	7746.500	56.41	3.56	74.0	17.59	Peak	109.00	150	Horizontal	Pass
5**	7746.500	45.20	3.56	54.0	8.80	AV	109.00	150	Horizontal	Pass
6	9737.500	52.06	-1.06	74.0	21.94	Peak	230.00	150	Horizontal	Pass
6**	9737.500	41.35	-1.06	54.0	12.65	AV	230.00	150	Horizontal	Pass

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

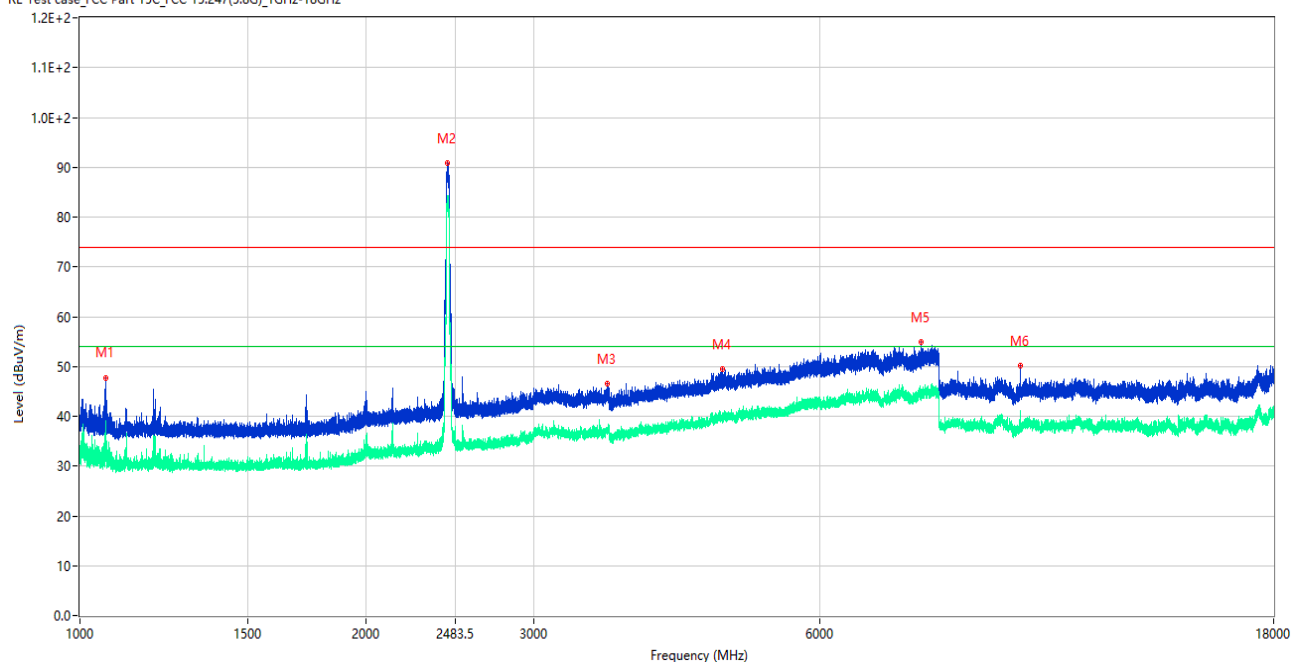
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1995.250	53.49	-13.33	74.0	20.51	Peak	119.00	150	Vertical	Pass
1**	1995.250	32.05	-13.33	54.0	21.95	AV	119.00	150	Vertical	Pass
2	2438.000	94.98	-11.32	74.0	-20.98	Peak	137.00	150	Vertical	N/A
2**	2438.000	87.23	-11.32	54.0	-33.23	AV	137.00	150	Vertical	N/A
3	3195.500	48.02	-6.61	74.0	25.98	Peak	131.00	150	Vertical	Pass
3**	3195.500	38.09	-6.61	54.0	15.91	AV	131.00	150	Vertical	Pass
4	5228.500	51.67	-0.80	74.0	22.33	Peak	359.00	150	Vertical	Pass
4**	5228.500	40.61	-0.80	54.0	13.39	AV	359.00	150	Vertical	Pass
5	7950.000	57.05	3.79	74.0	16.95	Peak	355.00	150	Vertical	Pass
5**	7950.000	45.41	3.79	54.0	8.59	AV	355.00	150	Vertical	Pass
6	12939.500	51.53	0.54	74.0	22.47	Peak	261.00	150	Vertical	Pass
6**	12939.500	41.20	0.54	54.0	12.80	AV	261.00	150	Vertical	Pass

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

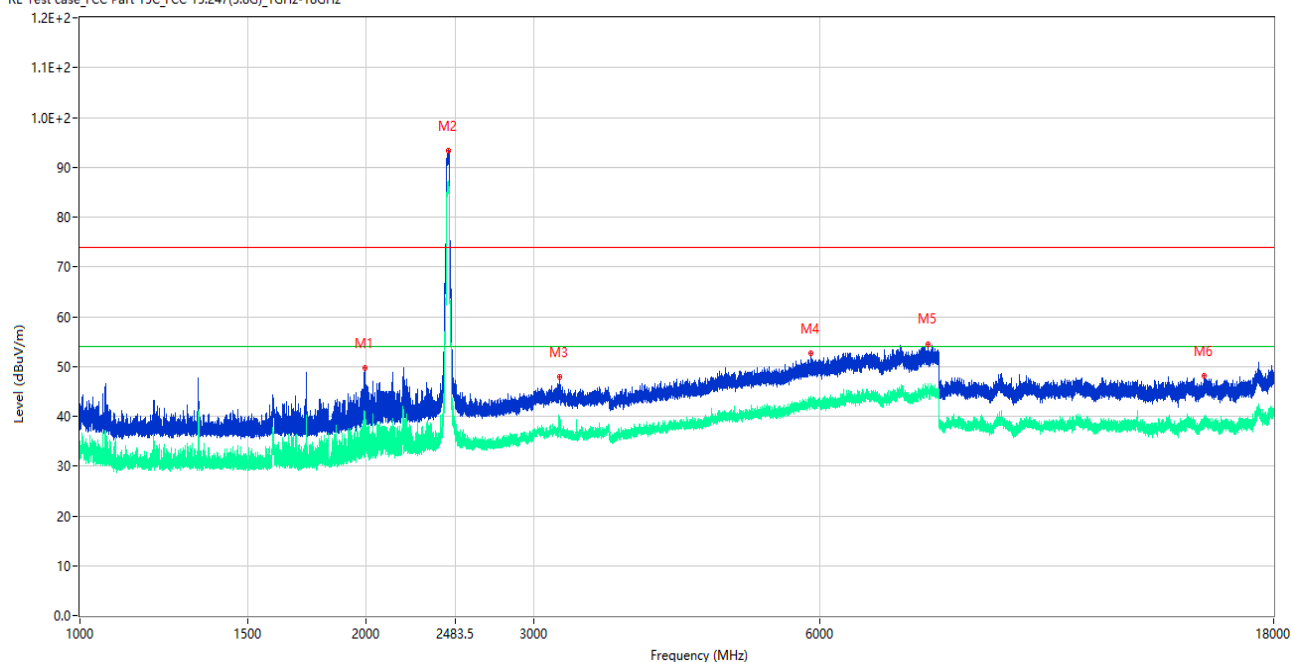
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.300	47.70	-14.31	74.0	26.30	Peak	172.00	150	Horizontal	Pass
1**	1063.300	39.07	-14.31	54.0	14.93	AV	172.00	150	Horizontal	Pass
2	2437.100	90.78	-11.31	74.0	-16.78	Peak	95.00	150	Horizontal	N/A
2**	2437.100	83.02	-11.31	54.0	-29.02	AV	95.00	150	Horizontal	N/A
3	3582.250	46.48	-5.45	74.0	27.52	Peak	0.00	150	Horizontal	Pass
3**	3582.250	37.61	-5.45	54.0	16.39	AV	0.00	150	Horizontal	Pass
4	4739.750	49.54	-2.01	74.0	24.46	Peak	355.00	150	Horizontal	Pass
4**	4739.750	39.36	-2.01	54.0	14.64	AV	355.00	150	Horizontal	Pass
5	7658.250	54.82	2.80	74.0	19.18	Peak	265.00	150	Horizontal	Pass
5**	7658.250	43.92	2.80	54.0	10.08	AV	265.00	150	Horizontal	Pass
6	9750.000	50.16	-1.12	74.0	23.84	Peak	233.00	150	Horizontal	Pass
6**	9750.000	39.19	-1.12	54.0	14.81	AV	233.00	150	Horizontal	Pass

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

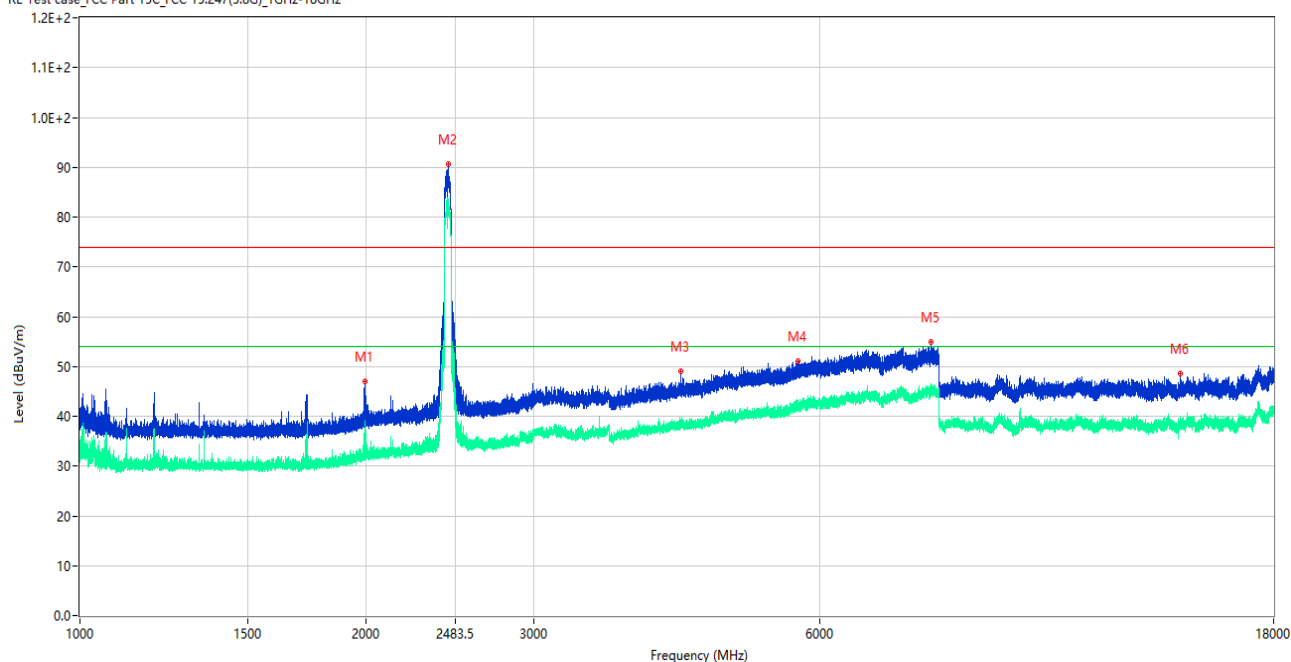
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1994.600	49.74	-13.36	74.0	24.26	Peak	103.00	150	Vertical	Pass
1**	1994.600	36.17	-13.36	54.0	17.83	AV	103.00	150	Vertical	Pass
2	2439.400	93.35	-11.33	74.0	-19.35	Peak	145.00	150	Vertical	N/A
2**	2439.400	86.34	-11.33	54.0	-32.34	AV	145.00	150	Vertical	N/A
3	3190.750	47.92	-6.53	74.0	26.08	Peak	129.00	150	Vertical	Pass
3**	3190.750	36.86	-6.53	54.0	17.14	AV	129.00	150	Vertical	Pass
4	5865.750	52.56	0.41	74.0	21.44	Peak	76.00	150	Vertical	Pass
4**	5865.750	42.07	0.41	54.0	11.93	AV	76.00	150	Vertical	Pass
5	7793.000	54.57	3.88	74.0	19.43	Peak	109.00	150	Vertical	Pass
5**	7793.000	45.55	3.88	54.0	8.45	AV	109.00	150	Vertical	Pass
6	15218.500	48.09	1.82	74.0	25.91	Peak	359.00	150	Vertical	Pass
6**	15218.500	39.54	1.82	54.0	14.46	AV	359.00	150	Vertical	Pass

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

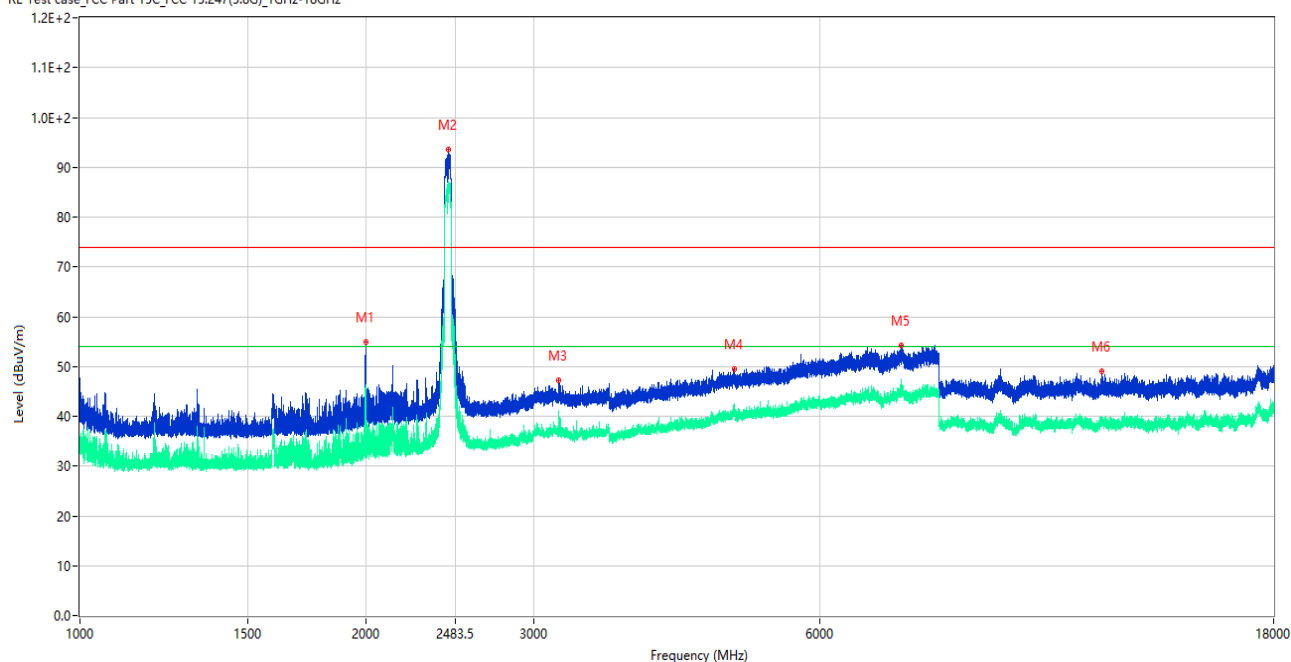
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1996.100	47.03	-13.30	74.0	26.97	Peak	150.00	150	Horizontal	Pass
1**	1996.100	32.32	-13.30	54.0	21.68	AV	150.00	150	Horizontal	Pass
2	2439.300	90.55	-11.33	74.0	-16.55	Peak	101.00	150	Horizontal	N/A
2**	2439.300	83.07	-11.33	54.0	-29.07	AV	101.00	150	Horizontal	N/A
3	4285.000	49.00	-2.95	74.0	25.00	Peak	90.00	150	Horizontal	Pass
3**	4285.000	38.03	-2.95	54.0	15.97	AV	90.00	150	Horizontal	Pass
4	5691.750	51.02	-0.25	74.0	22.98	Peak	40.00	150	Horizontal	Pass
4**	5691.750	41.09	-0.25	54.0	12.91	AV	40.00	150	Horizontal	Pass
5	7856.000	54.92	3.76	74.0	19.08	Peak	0.00	150	Horizontal	Pass
5**	7856.000	45.87	3.76	54.0	8.13	AV	0.00	150	Horizontal	Pass
6	14371.500	48.55	1.70	74.0	25.45	Peak	302.00	150	Horizontal	Pass
6**	14371.500	38.99	1.70	54.0	15.01	AV	302.00	150	Horizontal	Pass

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

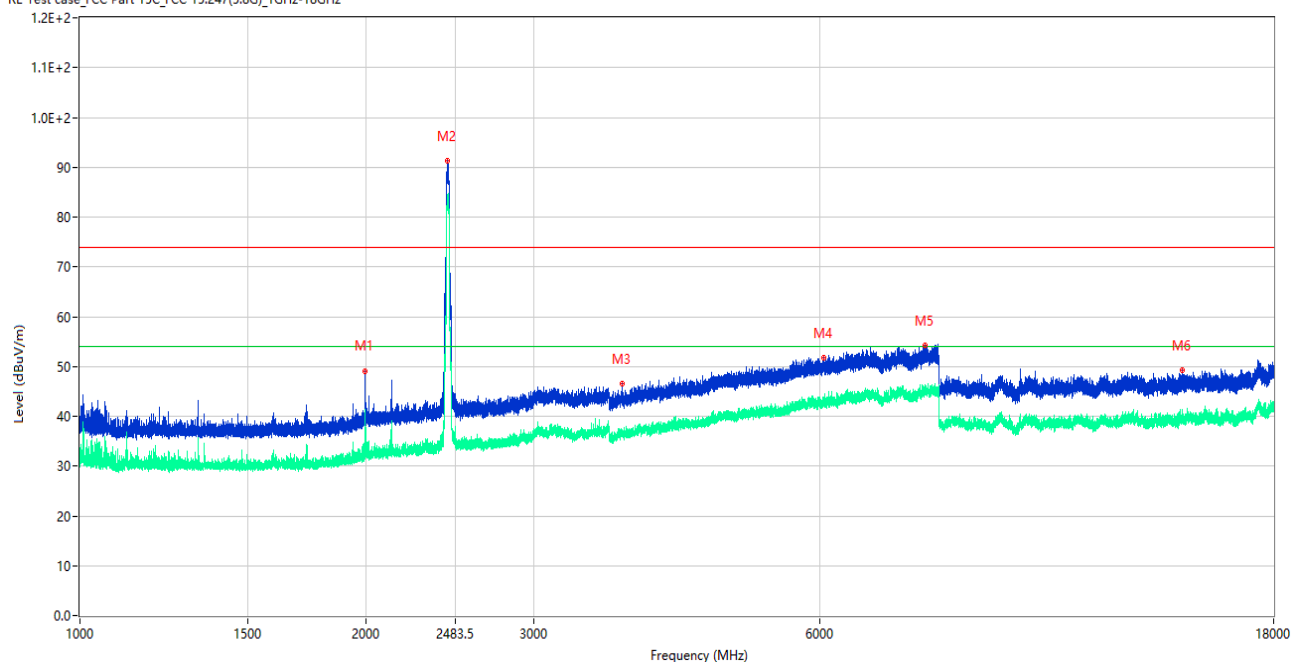
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1998.500	54.83	-13.17	74.0	19.17	Peak	118.00	150	Vertical	Pass
1**	1998.500	38.63	-13.17	54.0	15.37	AV	118.00	150	Vertical	Pass
2	2439.500	93.61	-11.34	74.0	-19.61	Peak	139.00	150	Vertical	N/A
2**	2439.500	85.94	-11.34	54.0	-31.94	AV	139.00	150	Vertical	N/A
3	3187.250	47.18	-6.50	74.0	26.82	Peak	150.00	150	Vertical	Pass
3**	3187.250	37.19	-6.50	54.0	16.81	AV	150.00	150	Vertical	Pass
4	4874.750	49.57	-1.33	74.0	24.43	Peak	0.00	150	Vertical	Pass
4**	4874.750	41.58	-1.33	54.0	12.42	AV	0.00	150	Vertical	Pass
5	7311.000	54.21	2.65	74.0	19.79	Peak	81.00	150	Vertical	Pass
5**	7311.000	44.94	2.65	54.0	9.06	AV	81.00	150	Vertical	Pass
6	11864.001	48.99	-1.13	74.0	25.01	Peak	143.00	150	Vertical	Pass
6**	11864.001	38.63	-1.13	54.0	15.37	AV	143.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ac20 Middle Channel

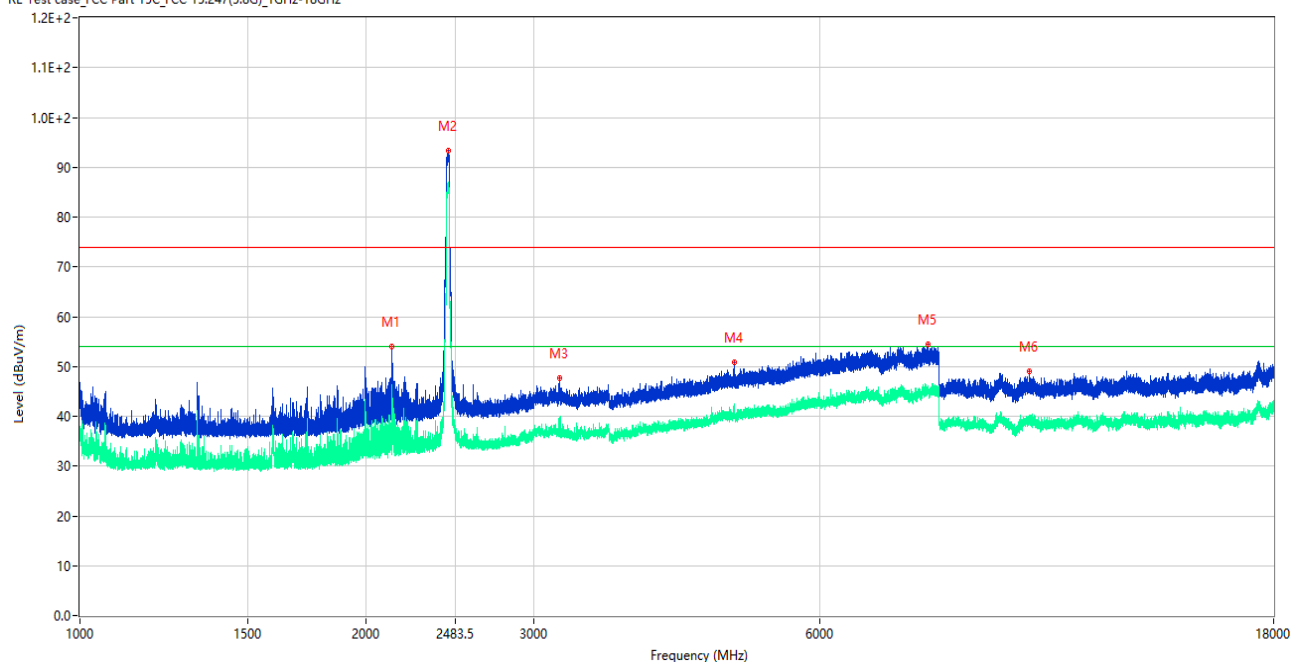
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1995.800	49.13	-13.31	74.0	24.87	Peak	141.00	150	Horizontal	Pass
1**	1995.800	34.21	-13.31	54.0	19.79	AV	141.00	150	Horizontal	Pass
2	2435.500	91.29	-11.26	74.0	-17.29	Peak	94.00	150	Horizontal	N/A
2**	2435.500	83.96	-11.26	54.0	-29.96	AV	94.00	150	Horizontal	N/A
3	3713.000	46.47	-4.03	74.0	27.53	Peak	179.00	150	Horizontal	Pass
3**	3713.000	36.89	-4.03	54.0	17.11	AV	179.00	150	Horizontal	Pass
4	6057.000	51.73	1.07	74.0	22.27	Peak	13.00	150	Horizontal	Pass
4**	6057.000	42.82	1.07	54.0	11.18	AV	13.00	150	Horizontal	Pass
5	7740.000	54.22	3.36	74.0	19.78	Peak	145.00	150	Horizontal	Pass
5**	7740.000	44.72	3.36	54.0	9.28	AV	145.00	150	Horizontal	Pass
6	14434.500	49.31	-0.10	74.0	24.69	Peak	244.00	150	Horizontal	Pass
6**	14434.500	38.84	-0.10	54.0	15.16	AV	244.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ac20 Middle Channel

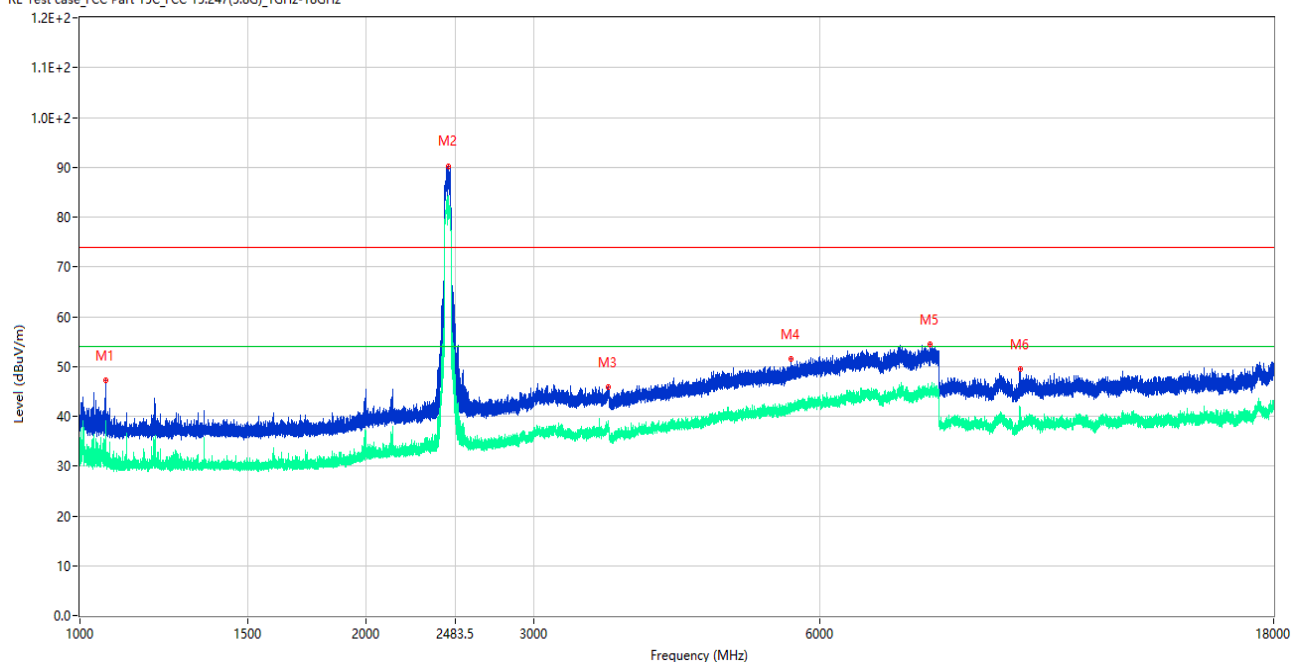
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2127.300	54.09	-11.99	74.0	19.91	Peak	119.00	150	Vertical	Pass
1**	2127.300	42.14	-11.99	54.0	11.86	AV	119.00	150	Vertical	Pass
2	2438.000	93.38	-11.32	74.0	-19.38	Peak	161.00	150	Vertical	N/A
2**	2438.000	86.19	-11.32	54.0	-32.19	AV	161.00	150	Vertical	N/A
3	3193.000	47.70	-6.56	74.0	26.30	Peak	133.00	150	Vertical	Pass
3**	3193.000	36.92	-6.56	54.0	17.08	AV	133.00	150	Vertical	Pass
4	4879.000	50.85	-1.31	74.0	23.15	Peak	360.00	150	Vertical	Pass
4**	4879.000	40.86	-1.31	54.0	13.14	AV	360.00	150	Vertical	Pass
5	7792.750	54.37	3.86	74.0	19.63	Peak	356.00	150	Vertical	Pass
5**	7792.750	45.63	3.86	54.0	8.37	AV	356.00	150	Vertical	Pass
6	9962.500	49.10	-0.82	74.0	24.90	Peak	262.00	150	Vertical	Pass
6**	9962.500	38.55	-0.82	54.0	15.45	AV	262.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ac40 Middle Channel

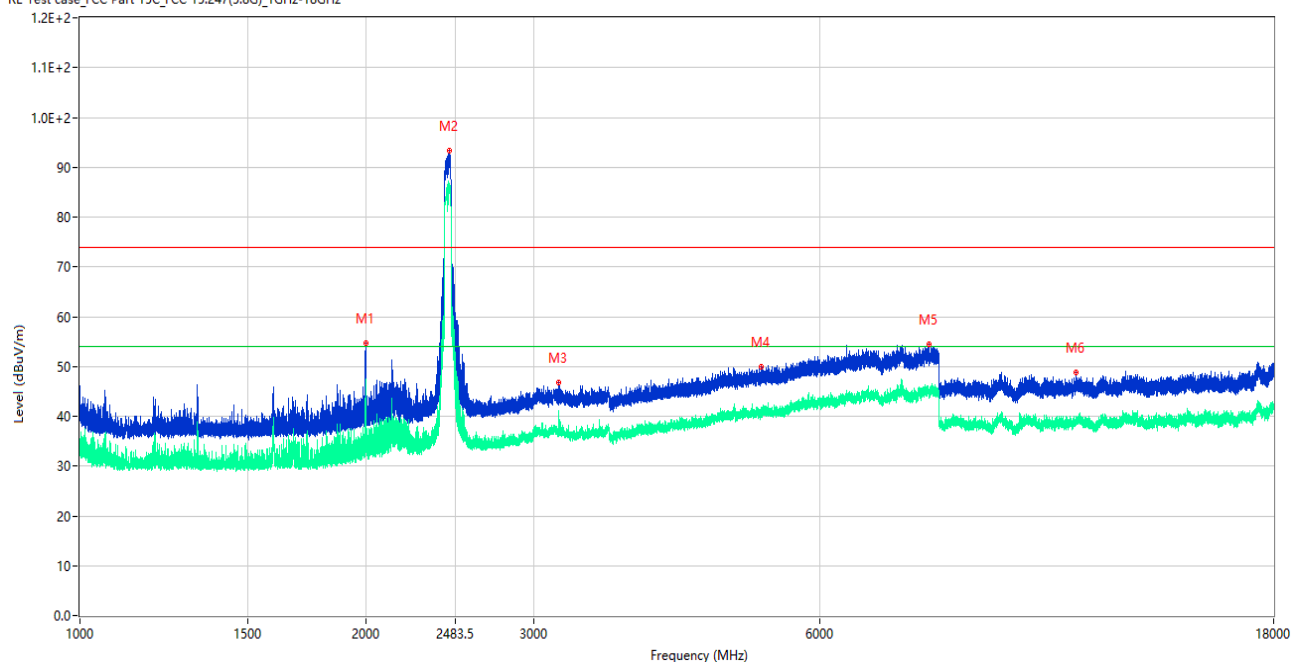
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.900	47.17	-14.26	74.0	26.83	Peak	66.00	150	Horizontal	Pass
1**	1064.900	32.02	-14.26	54.0	21.98	AV	66.00	150	Horizontal	Pass
2	2438.800	90.08	-11.32	74.0	-16.08	Peak	101.00	150	Horizontal	N/A
2**	2438.800	83.67	-11.32	54.0	-29.67	AV	101.00	150	Horizontal	N/A
3	3592.750	45.82	-5.08	74.0	28.18	Peak	268.00	150	Horizontal	Pass
3**	3592.750	37.01	-5.08	54.0	16.99	AV	268.00	150	Horizontal	Pass
4	5597.500	51.52	-0.55	74.0	22.48	Peak	218.00	150	Horizontal	Pass
4**	5597.500	41.54	-0.55	54.0	12.46	AV	218.00	150	Horizontal	Pass
5	7831.250	54.36	3.59	74.0	19.64	Peak	150.00	150	Horizontal	Pass
5**	7831.250	45.13	3.59	54.0	8.87	AV	150.00	150	Horizontal	Pass
6	9741.500	49.50	-1.33	74.0	24.50	Peak	234.00	150	Horizontal	Pass
6**	9741.500	39.55	-1.33	54.0	14.45	AV	234.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ac40 Middle Channel

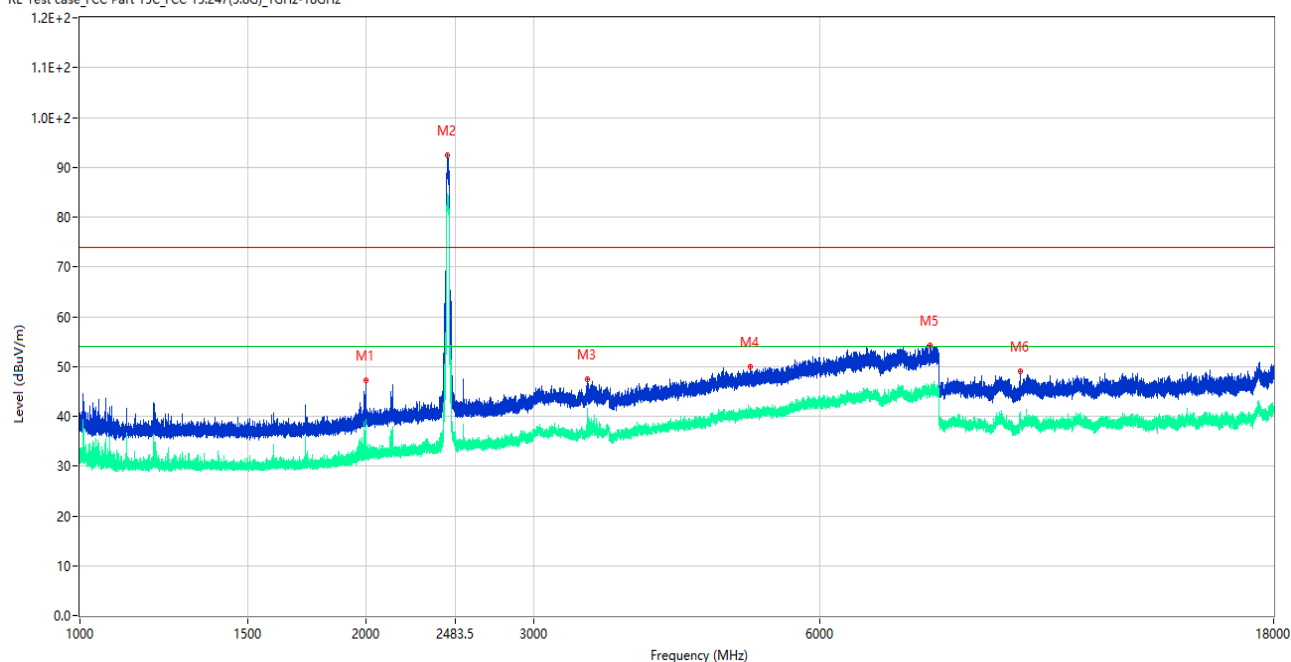
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1999.800	54.71	-13.11	74.0	19.29	Peak	122.00	150	Vertical	Pass
1**	1999.800	36.27	-13.11	54.0	17.73	AV	122.00	150	Vertical	Pass
2	2443.400	93.23	-11.39	74.0	-19.23	Peak	164.00	150	Vertical	N/A
2**	2443.400	85.85	-11.39	54.0	-31.85	AV	164.00	150	Vertical	N/A
3	3187.500	46.73	-6.50	74.0	27.27	Peak	124.00	150	Vertical	Pass
3**	3187.500	37.47	-6.50	54.0	16.53	AV	124.00	150	Vertical	Pass
4	5199.500	49.94	-1.00	74.0	24.06	Peak	360.00	150	Vertical	Pass
4**	5199.500	40.42	-1.00	54.0	13.58	AV	360.00	150	Vertical	Pass
5	7817.500	54.40	3.52	74.0	19.60	Peak	278.00	150	Vertical	Pass
5**	7817.500	43.96	3.52	54.0	10.04	AV	278.00	150	Vertical	Pass
6	11166.000	48.86	-1.24	74.0	25.14	Peak	354.00	150	Vertical	Pass
6**	11166.000	39.10	-1.24	54.0	14.90	AV	354.00	150	Vertical	Pass

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

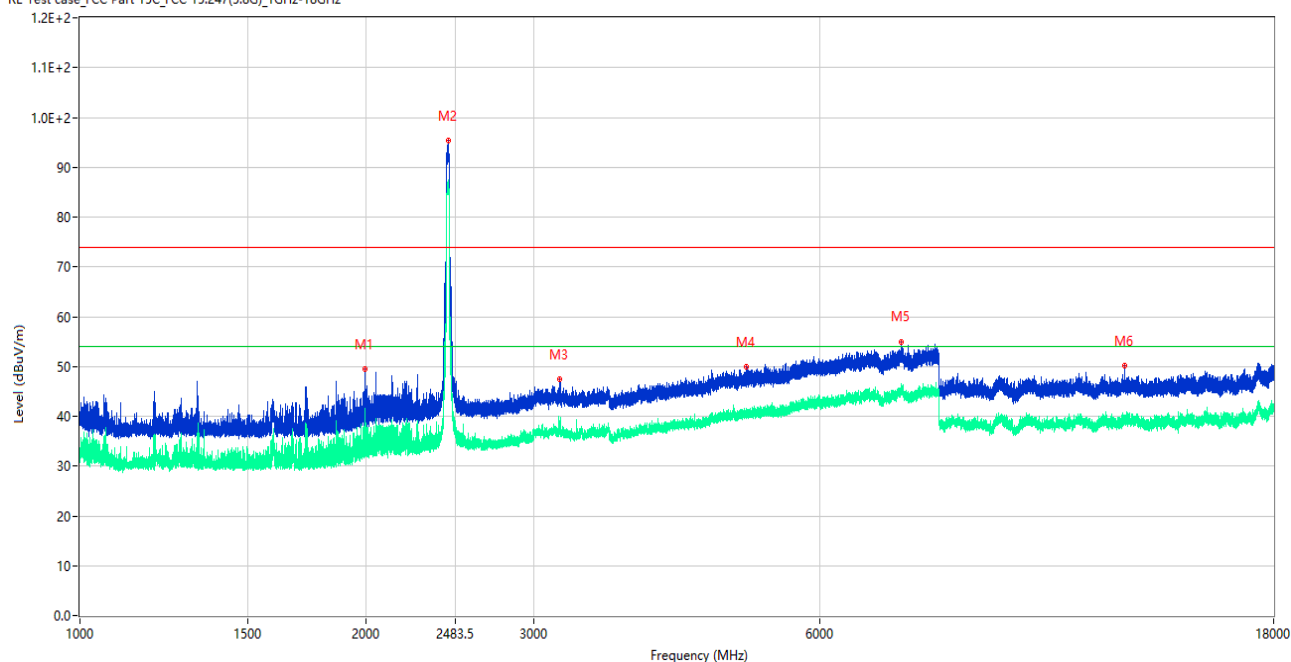
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1998.700	47.28	-13.16	74.0	26.72	Peak	151.00	150	Horizontal	Pass
1**	1998.700	32.43	-13.16	54.0	21.57	AV	151.00	150	Horizontal	Pass
2	2434.200	92.51	-11.24	74.0	-18.51	Peak	98.00	150	Horizontal	N/A
2**	2434.200	83.73	-11.24	54.0	-29.73	AV	98.00	150	Horizontal	N/A
3	3415.750	47.44	-5.86	74.0	26.56	Peak	303.00	150	Horizontal	Pass
3**	3415.750	40.69	-5.86	54.0	13.31	AV	303.00	150	Horizontal	Pass
4	5064.750	49.86	-0.98	74.0	24.14	Peak	319.00	150	Horizontal	Pass
4**	5064.750	40.59	-0.98	54.0	13.41	AV	319.00	150	Horizontal	Pass
5	7832.250	54.26	3.57	74.0	19.74	Peak	0.00	150	Horizontal	Pass
5**	7832.250	44.37	3.57	54.0	9.63	AV	0.00	150	Horizontal	Pass
6	9746.000	48.96	-1.29	74.0	25.04	Peak	233.00	150	Horizontal	Pass
6**	9746.000	39.09	-1.29	54.0	14.91	AV	233.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Middle Channel

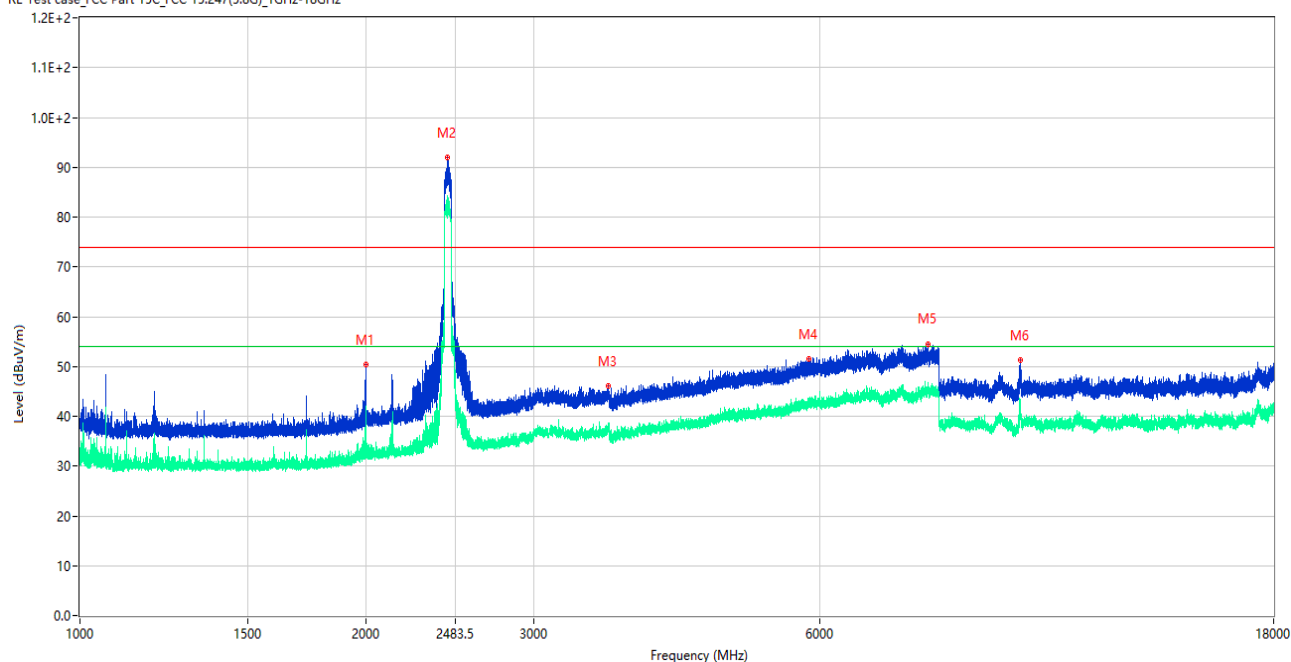
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1994.200	49.59	-13.38	74.0	24.41	Peak	106.00	150	Vertical	Pass
1**	1994.200	39.27	-13.38	54.0	14.73	AV	106.00	150	Vertical	Pass
2	2439.700	95.33	-11.35	74.0	-21.33	Peak	142.00	150	Vertical	N/A
2**	2439.700	86.14	-11.35	54.0	-32.14	AV	142.00	150	Vertical	N/A
3	3193.750	47.39	-6.56	74.0	26.61	Peak	126.00	150	Vertical	Pass
3**	3193.750	39.04	-6.56	54.0	14.96	AV	126.00	150	Vertical	Pass
4	5021.500	49.93	-0.84	74.0	24.07	Peak	76.00	150	Vertical	Pass
4**	5021.500	40.57	-0.84	54.0	13.43	AV	76.00	150	Vertical	Pass
5	7307.250	55.02	2.62	74.0	18.98	Peak	111.00	150	Vertical	Pass
5**	7307.250	44.71	2.62	54.0	9.29	AV	111.00	150	Vertical	Pass
6	12543.500	50.08	-0.15	74.0	23.92	Peak	245.00	150	Vertical	Pass
6**	12543.500	40.29	-0.15	54.0	13.71	AV	245.00	150	Vertical	Pass

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

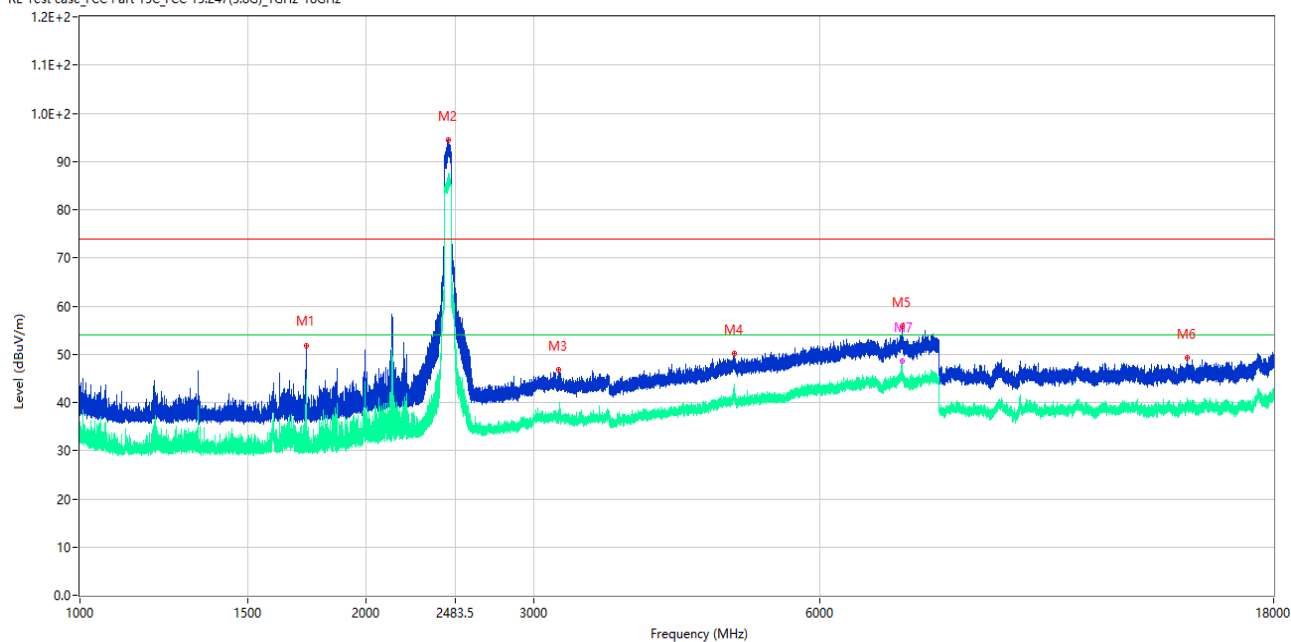
RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1997.500	50.48	-13.22	74.0	23.52	Peak	148.00	150	Horizontal	Pass
1**	1997.500	41.98	-13.22	54.0	12.02	AV	148.00	150	Horizontal	Pass
2	2433.200	91.96	-11.21	74.0	-17.96	Peak	100.00	150	Horizontal	N/A
2**	2433.200	83.69	-11.21	54.0	-29.69	AV	100.00	150	Horizontal	N/A
3	3593.750	46.09	-5.01	74.0	27.91	Peak	211.00	150	Horizontal	Pass
3**	3593.750	38.41	-5.01	54.0	15.59	AV	211.00	150	Horizontal	Pass
4	5837.250	51.50	0.99	74.0	22.50	Peak	125.00	150	Horizontal	Pass
4**	5837.250	42.28	0.99	54.0	11.72	AV	125.00	150	Horizontal	Pass
5	7792.750	54.55	3.86	74.0	19.45	Peak	360.00	150	Horizontal	Pass
5**	7792.750	45.73	3.86	54.0	8.27	AV	360.00	150	Horizontal	Pass
6	9738.500	51.34	-1.20	74.0	22.66	Peak	274.00	150	Horizontal	Pass
6**	9738.500	42.69	-1.20	54.0	11.31	AV	274.00	150	Horizontal	Pass

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

RE Test case_FCC Part 15C_FCC 15.247(5.8G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1731.500	51.86	-15.09	74.0	22.14	Peak	100.00	150	Vertical	Pass
1**	1731.500	36.72	-15.09	54.0	17.28	AV	100.00	150	Vertical	Pass
2	2441.500	94.42	-11.41	74.0	-20.42	Peak	135.00	150	Vertical	N/A
2**	2441.500	86.82	-11.41	54.0	-32.82	AV	135.00	150	Vertical	N/A
3	3190.000	46.84	-6.52	74.0	27.16	Peak	154.00	150	Vertical	Pass
3**	3190.000	37.26	-6.52	54.0	16.74	AV	154.00	150	Vertical	Pass
4	4874.500	50.08	-1.32	74.0	23.92	Peak	357.00	150	Vertical	Pass
4**	4874.500	42.50	-1.32	54.0	11.50	AV	357.00	150	Vertical	Pass
5	7314.500	55.79	2.63	74.0	18.21	Peak	84.00	150	Vertical	Pass
5**	7314.500	47.63	2.63	54.0	6.37	AV	84.00	150	Vertical	Pass
6	14592.000	49.18	1.44	74.0	24.82	Peak	115.00	150	Vertical	Pass
6**	14592.000	39.86	1.44	54.0	14.14	AV	115.00	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.

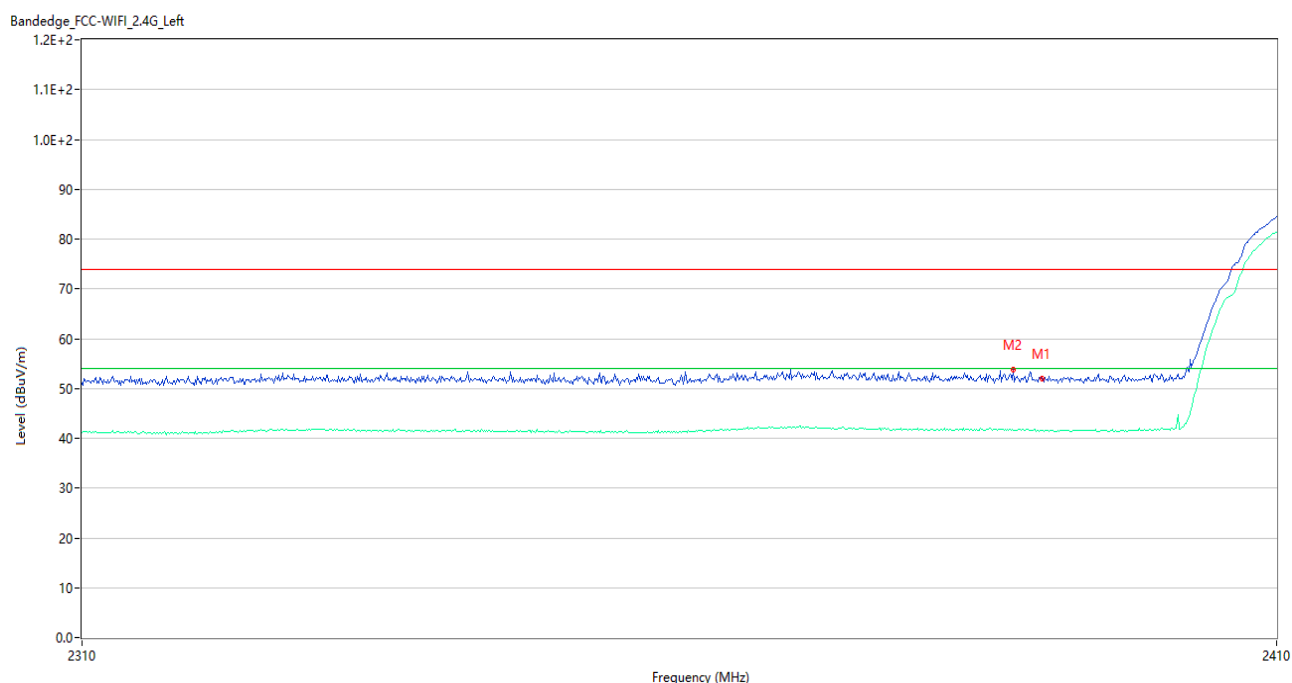
Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 5: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data and Plots

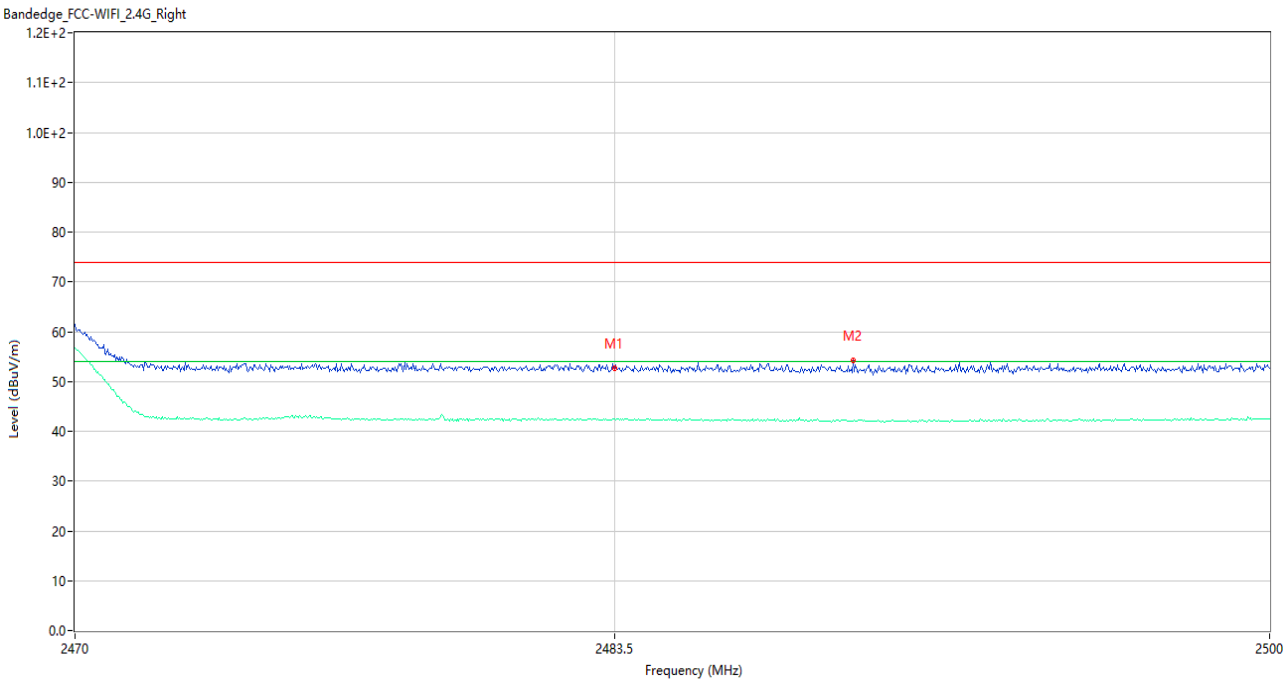
Main Antenna:

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	51.98	-3.73	74.0	22.02	Peak	360.00	150	Vertical	Pass
1**	2390.000	41.64	-3.73	54.0	12.36	AV	360.00	150	Vertical	Pass
2	2387.600	53.75	-3.60	74.0	20.25	Peak	2.00	150	Vertical	Pass
2**	2387.600	41.66	-3.60	54.0	12.34	AV	2.00	150	Vertical	Pass

802.11b HIGH CHANNEL



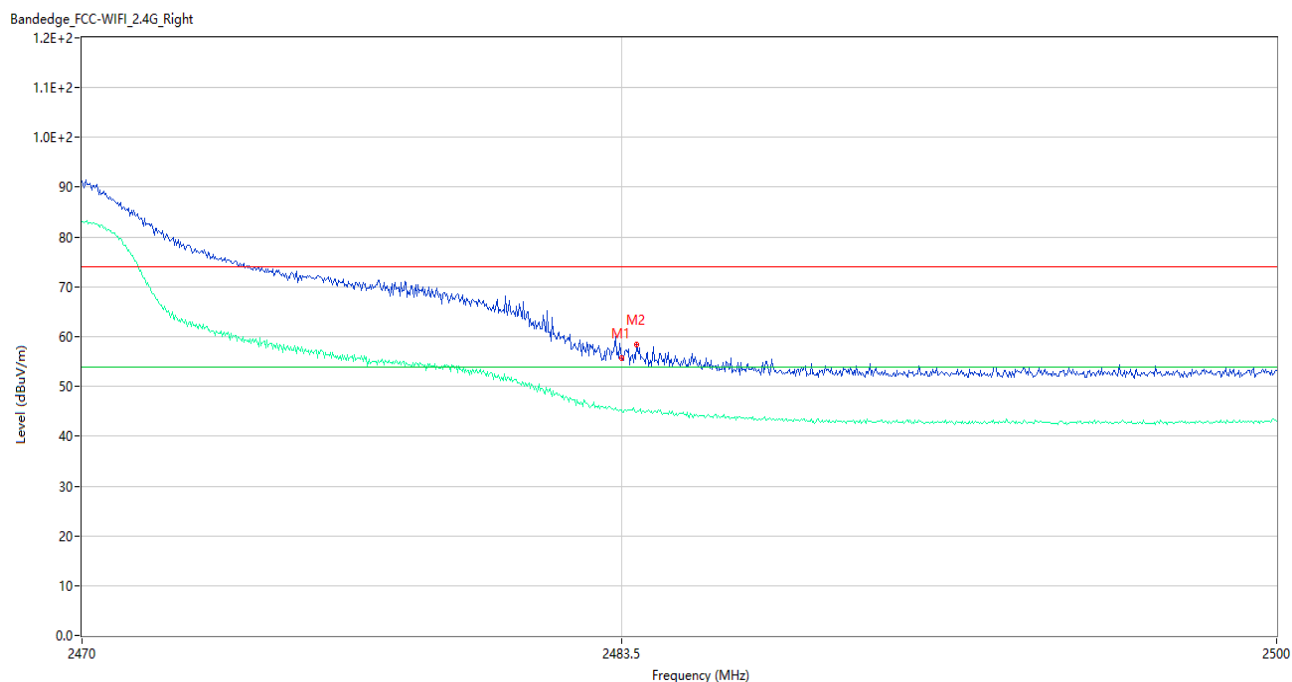
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.55	-2.60	74.0	21.45	Peak	84.00	150	Horizontal	Pass
1**	2483.500	42.47	-2.60	54.0	11.53	AV	84.00	150	Horizontal	Pass
2	2489.500	54.17	-2.69	74.0	19.83	Peak	204.00	150	Horizontal	Pass
2**	2489.500	42.01	-2.69	54.0	11.99	AV	204.00	150	Horizontal	Pass

802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.04	-3.73	74.0	21.96	Peak	360.00	150	Vertical	Pass
1**	2390.000	41.99	-3.73	54.0	12.01	AV	360.00	150	Vertical	Pass
2	2385.500	53.46	-3.47	74.0	20.54	Peak	179.00	150	Vertical	Pass
2**	2385.500	41.99	-3.47	54.0	12.01	AV	179.00	150	Vertical	Pass

802.11g HIGH CHANNEL



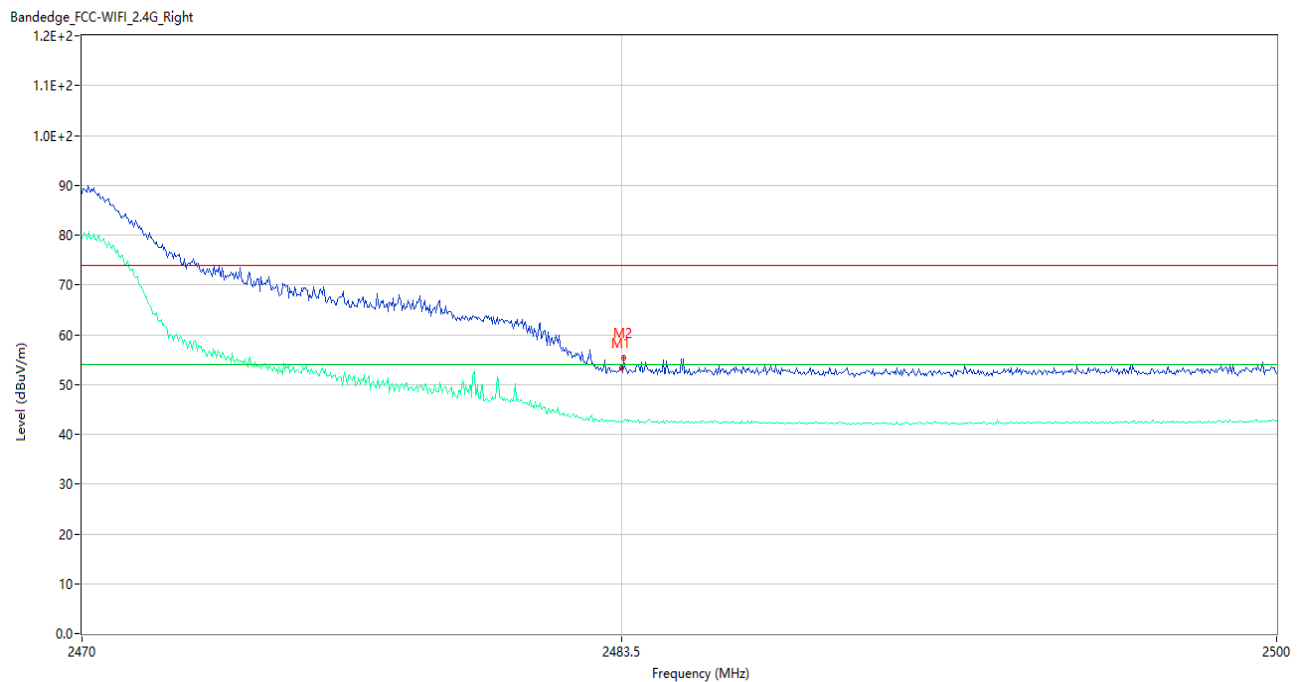
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.61	-2.60	74.0	18.39	Peak	135.00	150	Vertical	Pass
1**	2483.500	45.20	-2.60	54.0	8.80	AV	135.00	150	Vertical	Pass
2	2483.890	58.34	-2.61	74.0	15.66	Peak	131.00	150	Vertical	Pass
2**	2483.890	44.73	-2.61	54.0	9.27	AV	131.00	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	52.12	-3.73	74.0	21.88	Peak	278.10	150	Horizontal	Pass
1**	2390.000	41.75	-3.73	54.0	12.25	AV	278.10	150	Horizontal	Pass
2	2368.900	54.08	-2.95	74.0	19.92	Peak	278.00	150	Horizontal	Pass
2**	2368.900	42.31	-2.95	54.0	11.69	AV	278.00	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	53.42	-2.60	74.0	20.58	Peak	15.00	150	Vertical	Pass
1**	2483.500	42.45	-2.60	54.0	11.55	AV	15.00	150	Vertical	Pass
2	2483.560	55.42	-2.60	74.0	18.58	Peak	155.00	150	Vertical	Pass
2**	2483.560	42.71	-2.60	54.0	11.29	AV	155.00	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	51.66	-3.73	74.0	22.34	Peak	0.24	150	Vertical	Pass
1**	2390.000	41.66	-3.73	54.0	12.34	AV	0.24	150	Vertical	Pass
2	2369.500	53.85	-2.88	74.0	20.15	Peak	294.00	150	Vertical	Pass
2**	2369.500	42.35	-2.88	54.0	11.65	AV	294.00	150	Vertical	Pass