

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.

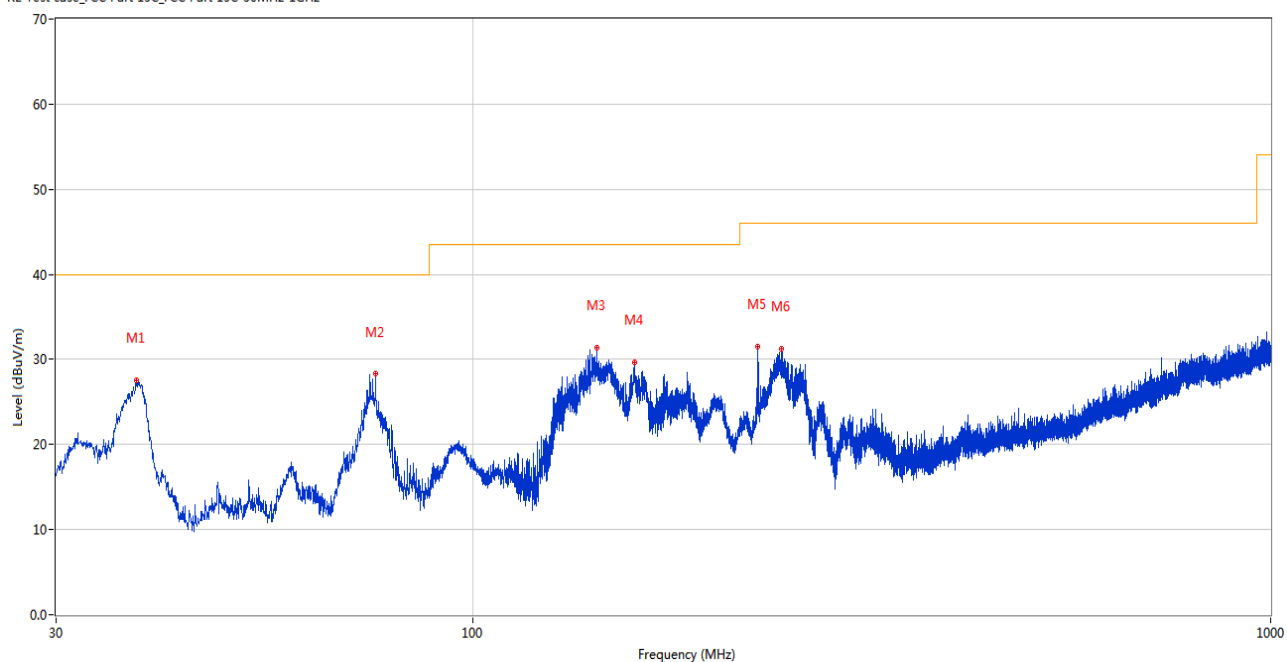
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

SIAO-ANT0

Test Data and Plots

30 MHz to 1 GHz, ANT H

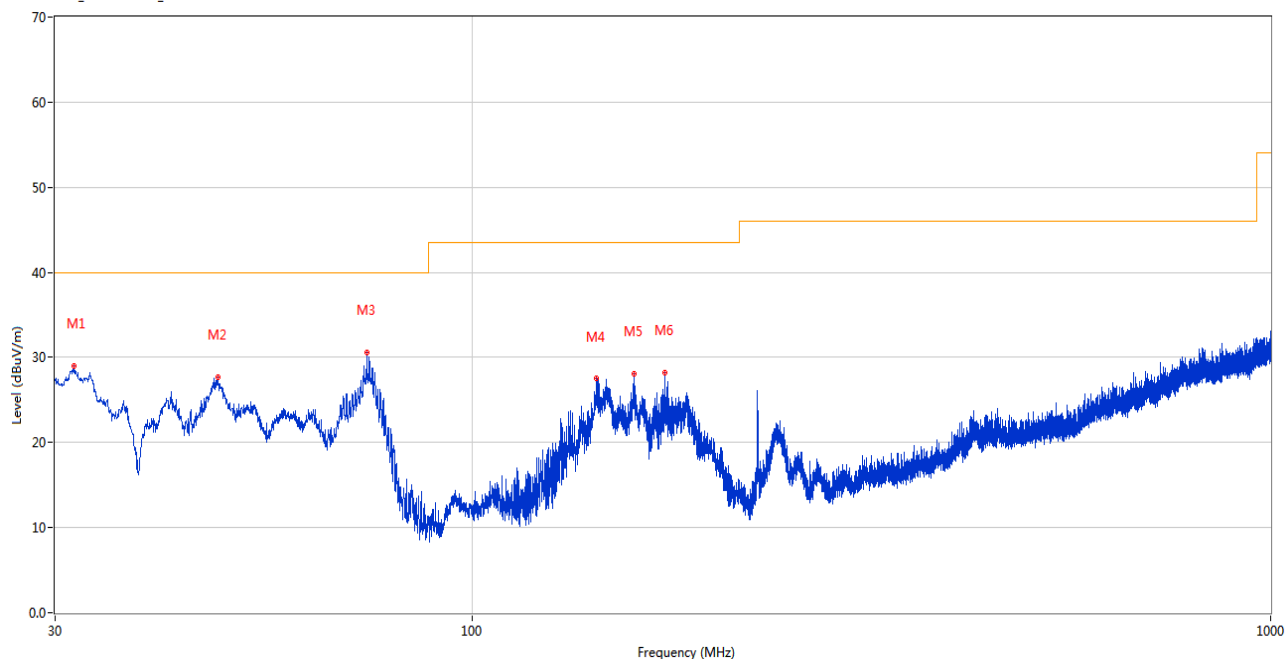
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.809	27.59	-25.83	40.0	12.41	Peak	136.00	100	Horizontal	Pass
2	75.493	28.29	-27.80	40.0	11.71	Peak	195.00	200	Horizontal	Pass
3	142.908	31.35	-24.22	43.5	12.15	Peak	219.00	200	Horizontal	Pass
4	159.446	29.68	-23.74	43.5	13.82	Peak	26.00	200	Horizontal	Pass
5	227.638	31.54	-26.07	46.0	14.46	Peak	180.00	200	Horizontal	Pass
6	243.254	31.29	-24.74	46.0	14.71	Peak	159.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.698	28.99	-26.77	40.0	11.01	Peak	262.00	100	Vertical	Pass
2	47.945	27.69	-24.79	40.0	12.31	Peak	68.00	100	Vertical	Pass
3	73.699	30.54	-27.48	40.0	9.46	Peak	51.00	100	Vertical	Pass
4	142.860	27.49	-24.23	43.5	16.01	Peak	68.00	100	Vertical	Pass
5	159.495	28.07	-23.74	43.5	15.43	Peak	107.00	100	Vertical	Pass
6	174.094	28.19	-24.57	43.5	15.31	Peak	91.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious above 18G is noise only, do not show on the report.

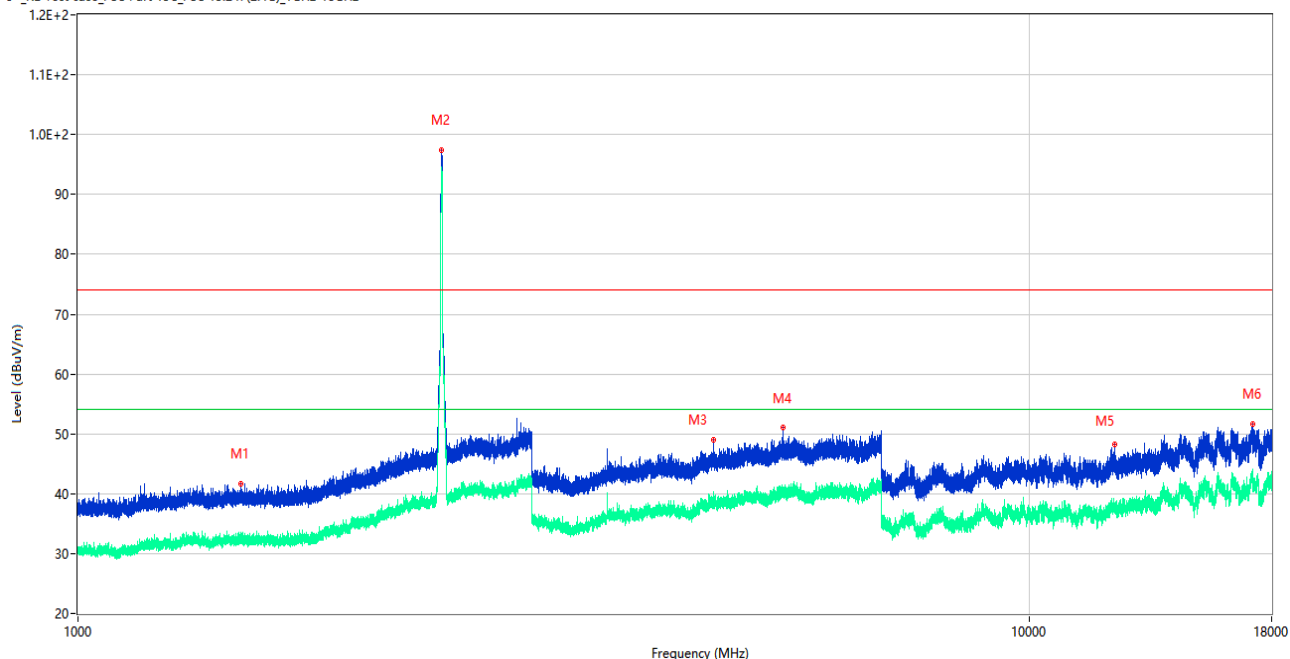
Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note⁴: All antenna were pre tested, but only the worst case has been reported in this report.

MIMO

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

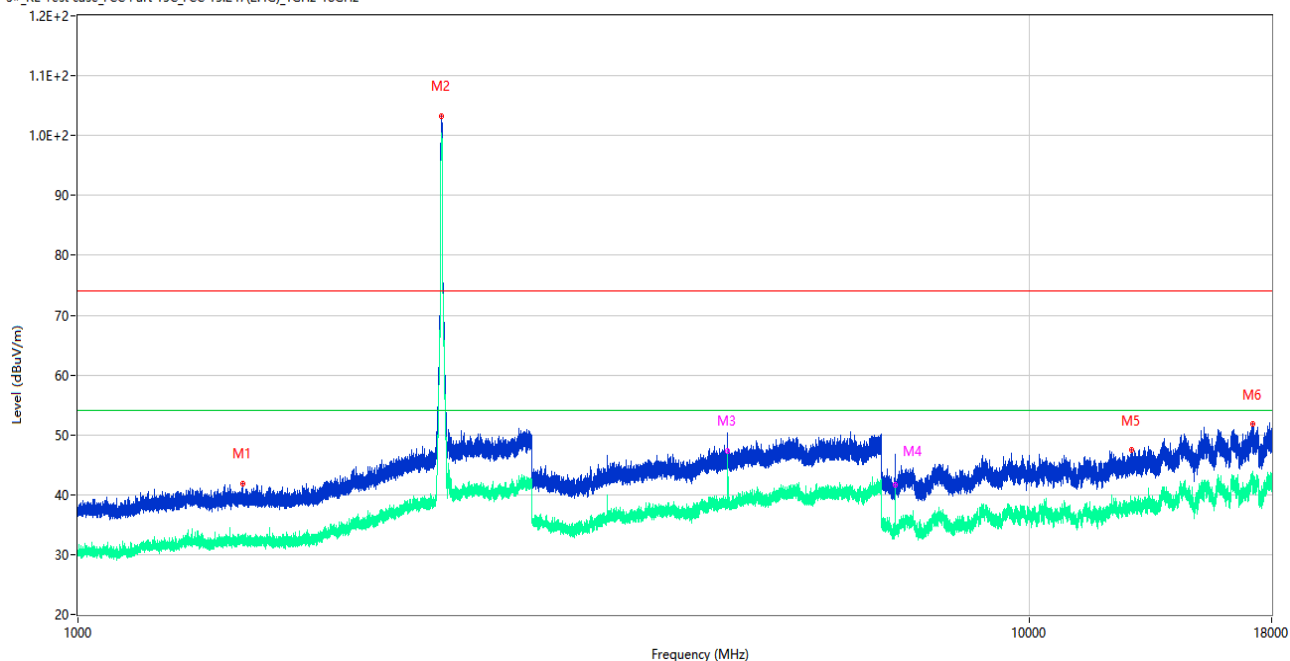
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.800	41.67	74.0	32.33	Peak	224.00	100	Horizontal	Pass
1**	1484.800	32.35	54.0	21.65	AV	224.00	100	Horizontal	Pass
2	2413.200	97.46	74.0	-23.46	Peak	112.00	150	Horizontal	N/A
2**	2413.200	94.51	54.0	-40.51	AV	112.00	150	Horizontal	N/A
3	4664.200	48.91	74.0	25.09	Peak	13.00	200	Horizontal	Pass
3**	4664.200	38.56	54.0	15.44	AV	13.00	200	Horizontal	Pass
4	5520.600	51.04	74.0	22.96	Peak	89.00	300	Horizontal	Pass
4**	5520.600	40.76	54.0	13.24	AV	89.00	300	Horizontal	Pass
5	12306.099	48.32	74.0	25.68	Peak	25.00	300	Horizontal	Pass
5**	12306.099	36.93	54.0	17.07	AV	25.00	300	Horizontal	Pass
6	17195.438	51.71	74.0	22.29	Peak	360.00	200	Horizontal	Pass
6**	17195.438	42.43	54.0	11.57	AV	360.00	200	Horizontal	Pass

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

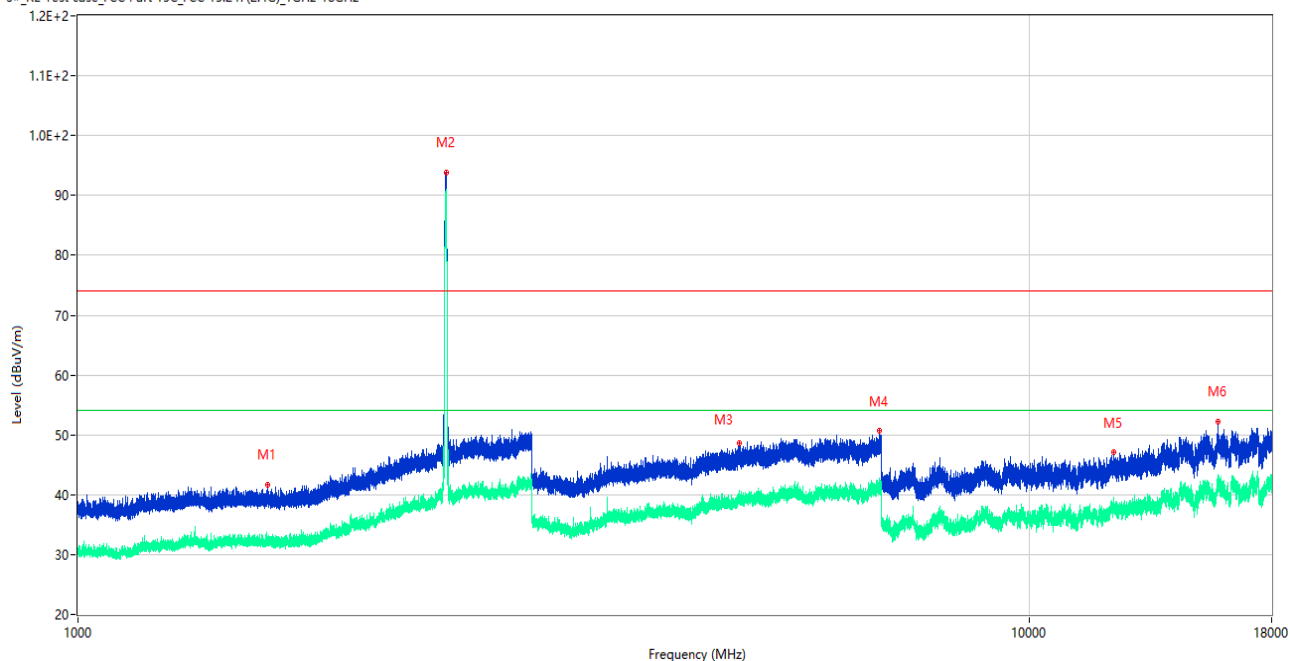
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.100	41.90	74.0	32.10	Peak	281.00	400	Vertical	Pass
1**	1491.100	32.00	54.0	22.00	AV	281.00	400	Vertical	Pass
2	2410.800	103.29	74.0	-29.29	Peak	318.00	200	Vertical	N/A
2**	2410.800	100.34	54.0	-46.34	AV	318.00	200	Vertical	N/A
3	4824.200	49.79	74.0	24.21	Peak	305.00	150	Vertical	Pass
3**	4824.200	47.33	54.0	6.67	AV	305.00	150	Vertical	Pass
4	7234.888	45.52	74.0	28.48	Peak	346.00	150	Vertical	Pass
4**	7234.888	41.65	54.0	12.35	AV	346.00	150	Vertical	Pass
5	12826.651	47.46	74.0	26.54	Peak	198.00	100	Vertical	Pass
5**	12826.651	37.52	54.0	16.48	AV	198.00	100	Vertical	Pass
6	17185.462	51.76	74.0	22.24	Peak	121.00	100	Vertical	Pass
6**	17185.462	43.56	54.0	10.44	AV	121.00	100	Vertical	Pass

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

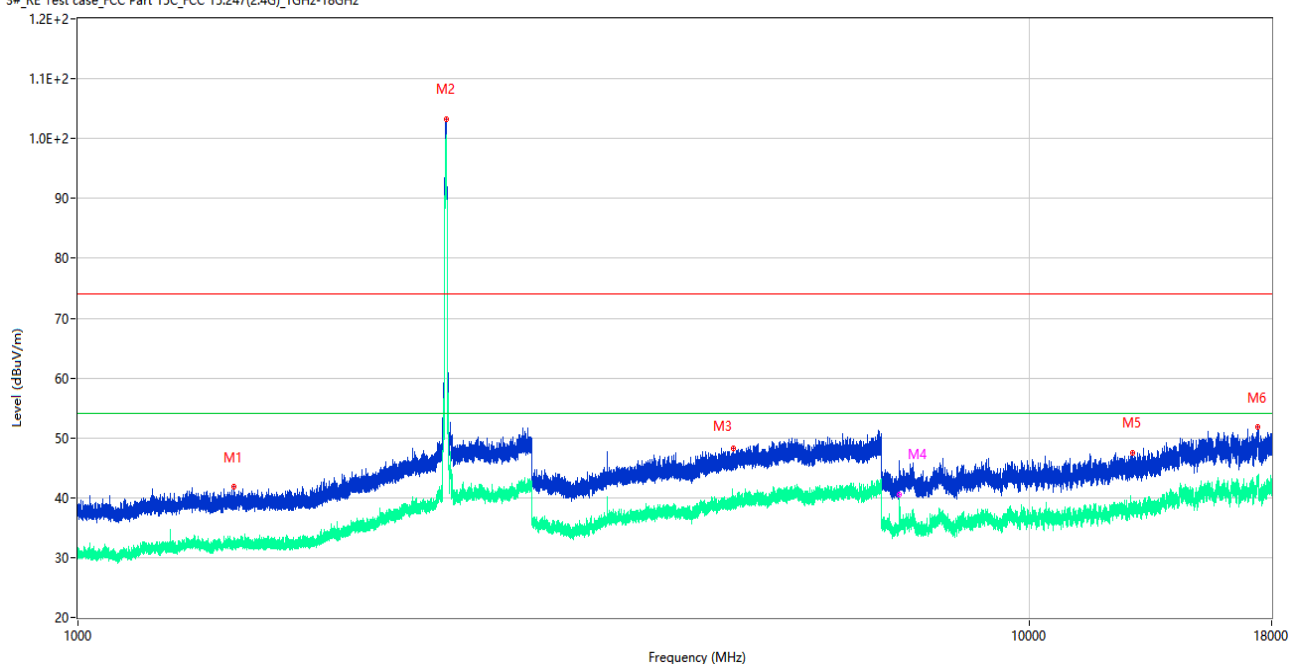
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.700	41.68	74.0	32.32	Peak	79.00	400	Horizontal	Pass
1**	1581.700	32.18	54.0	21.82	AV	79.00	400	Horizontal	Pass
2	2438.100	93.84	74.0	-19.84	Peak	318.00	100	Horizontal	N/A
2**	2438.100	91.09	54.0	-37.09	AV	318.00	100	Horizontal	N/A
3	4957.000	48.58	74.0	25.42	Peak	45.00	150	Horizontal	Pass
3**	4957.000	38.85	54.0	15.15	AV	45.00	150	Horizontal	Pass
4	6956.600	50.62	74.0	23.38	Peak	136.00	200	Horizontal	Pass
4**	6956.600	40.63	54.0	13.37	AV	136.00	200	Horizontal	Pass
5	12275.625	47.08	74.0	26.92	Peak	311.00	200	Horizontal	Pass
5**	12275.625	38.21	54.0	15.79	AV	311.00	200	Horizontal	Pass
6	15794.213	52.20	74.0	21.80	Peak	206.00	300	Horizontal	Pass
6**	15794.213	41.87	54.0	12.13	AV	206.00	300	Horizontal	Pass

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

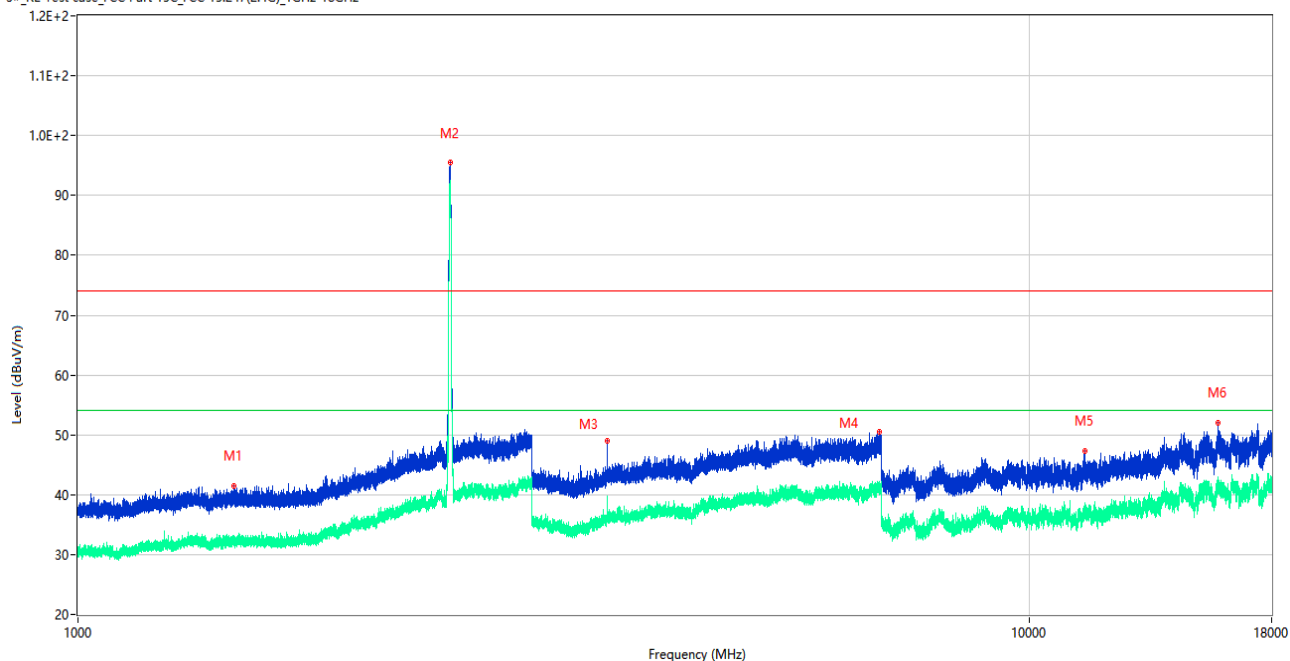
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.000	41.79	74.0	32.21	Peak	201.00	400	Vertical	Pass
1**	1458.000	32.55	54.0	21.45	AV	201.00	400	Vertical	Pass
2	2438.300	103.33	74.0	-29.33	Peak	340.00	150	Vertical	N/A
2**	2438.300	100.45	54.0	-46.45	AV	340.00	150	Vertical	N/A
3	4885.800	48.25	74.0	25.75	Peak	360.00	150	Vertical	Pass
3**	4885.800	39.56	54.0	14.44	AV	360.00	150	Vertical	Pass
4	7312.225	45.05	74.0	28.95	Peak	185.00	150	Vertical	Pass
4**	7312.225	40.58	54.0	13.42	AV	185.00	150	Vertical	Pass
5	12840.037	47.54	74.0	26.46	Peak	0.00	200	Vertical	Pass
5**	12840.037	38.55	54.0	15.45	AV	0.00	200	Vertical	Pass
6	17409.114	51.76	74.0	22.24	Peak	17.00	100	Vertical	Pass
6**	17409.114	43.02	54.0	10.98	AV	17.00	100	Vertical	Pass

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

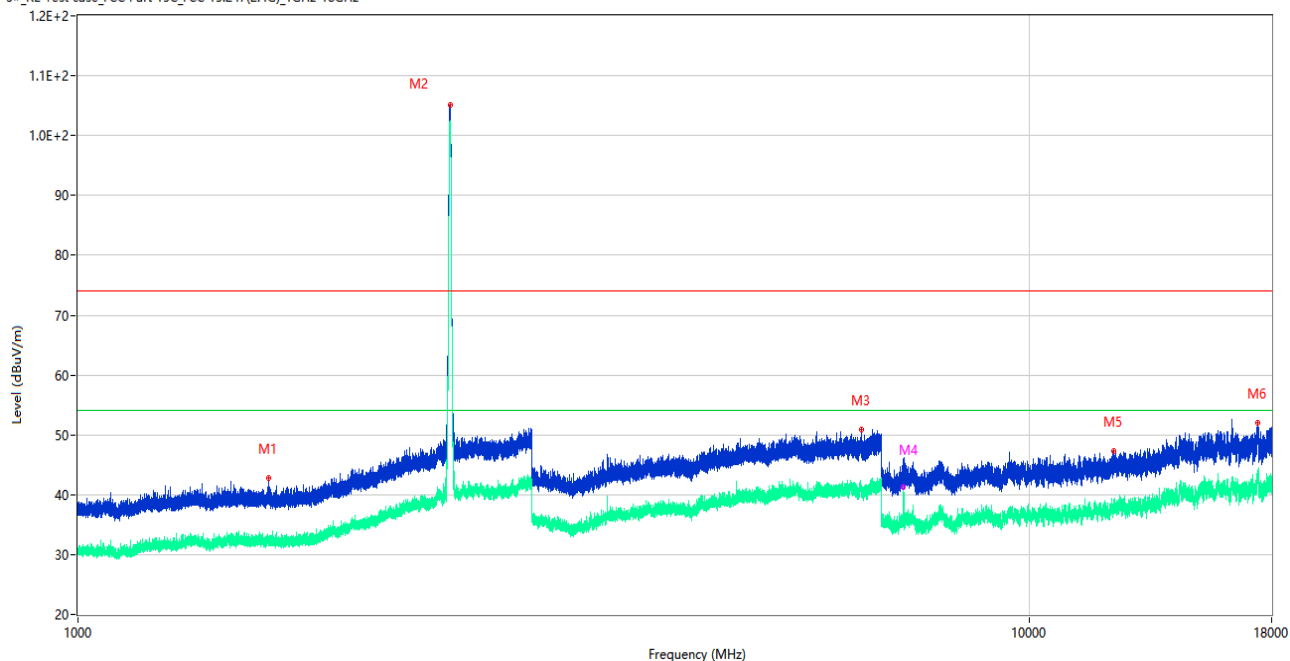
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.700	41.51	74.0	32.49	Peak	139.00	100	Horizontal	Pass
1**	1459.700	32.26	54.0	21.74	AV	139.00	100	Horizontal	Pass
2	2463.200	95.44	74.0	-21.44	Peak	319.00	200	Horizontal	N/A
2**	2463.200	92.59	54.0	-38.59	AV	319.00	200	Horizontal	N/A
3	3599.800	48.95	74.0	25.05	Peak	145.00	200	Horizontal	Pass
3**	3599.800	39.85	54.0	14.15	AV	145.00	200	Horizontal	Pass
4	6961.200	50.42	74.0	23.58	Peak	112.00	100	Horizontal	Pass
4**	6961.200	40.95	54.0	13.05	AV	112.00	100	Horizontal	Pass
5	11458.838	47.39	74.0	26.61	Peak	294.00	100	Horizontal	Pass
5**	11458.838	37.02	54.0	16.98	AV	294.00	100	Horizontal	Pass
6	15811.276	52.08	74.0	21.92	Peak	203.00	150	Horizontal	Pass
6**	15811.276	41.50	54.0	12.50	AV	203.00	150	Horizontal	Pass

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

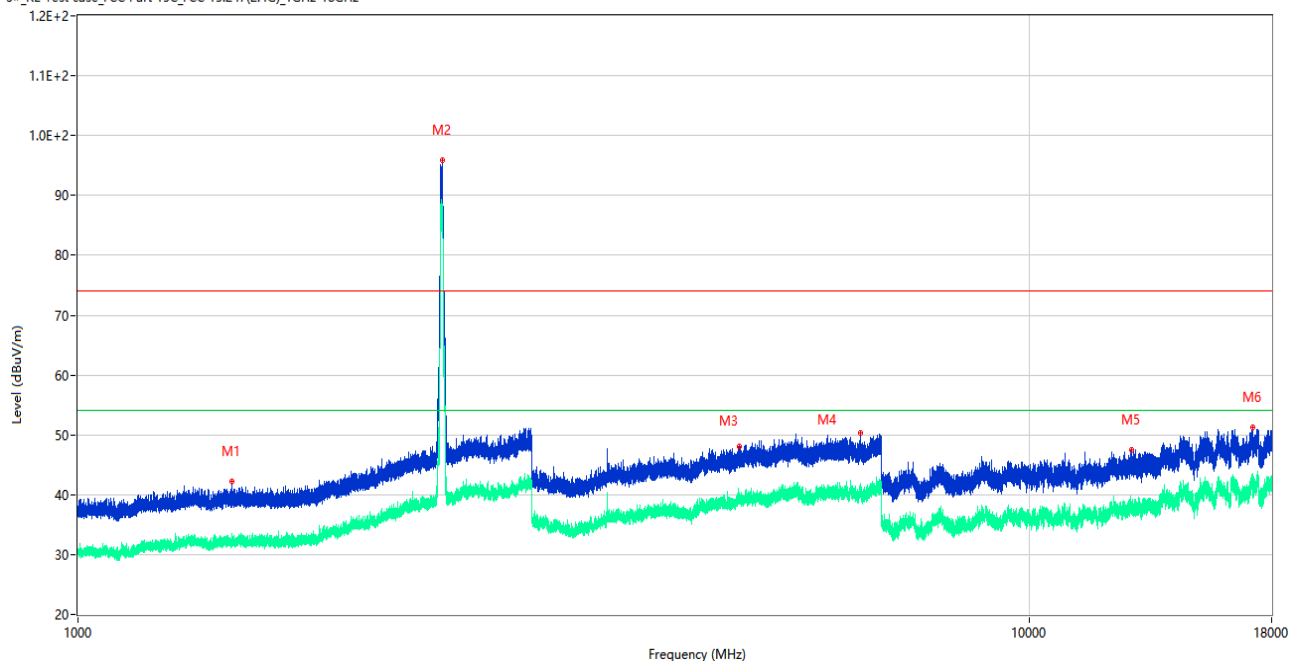
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.600	42.73	74.0	31.27	Peak	0.00	100	Vertical	Pass
1**	1588.600	31.90	54.0	22.10	AV	0.00	100	Vertical	Pass
2	2463.200	105.21	74.0	-31.21	Peak	334.00	200	Vertical	N/A
2**	2463.200	102.34	54.0	-48.34	AV	334.00	200	Vertical	N/A
3	6659.600	50.82	74.0	23.18	Peak	341.00	300	Vertical	Pass
3**	6659.600	40.68	54.0	13.32	AV	341.00	300	Vertical	Pass
4	7384.675	45.51	74.0	28.49	Peak	189.00	150	Vertical	Pass
4**	7384.675	41.19	54.0	12.81	AV	189.00	150	Vertical	Pass
5	12293.162	47.26	74.0	26.74	Peak	171.00	300	Vertical	Pass
5**	12293.162	37.70	54.0	16.30	AV	171.00	300	Vertical	Pass
6	17385.751	52.03	74.0	21.97	Peak	305.00	150	Vertical	Pass
6**	17385.751	42.83	54.0	11.17	AV	305.00	150	Vertical	Pass

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

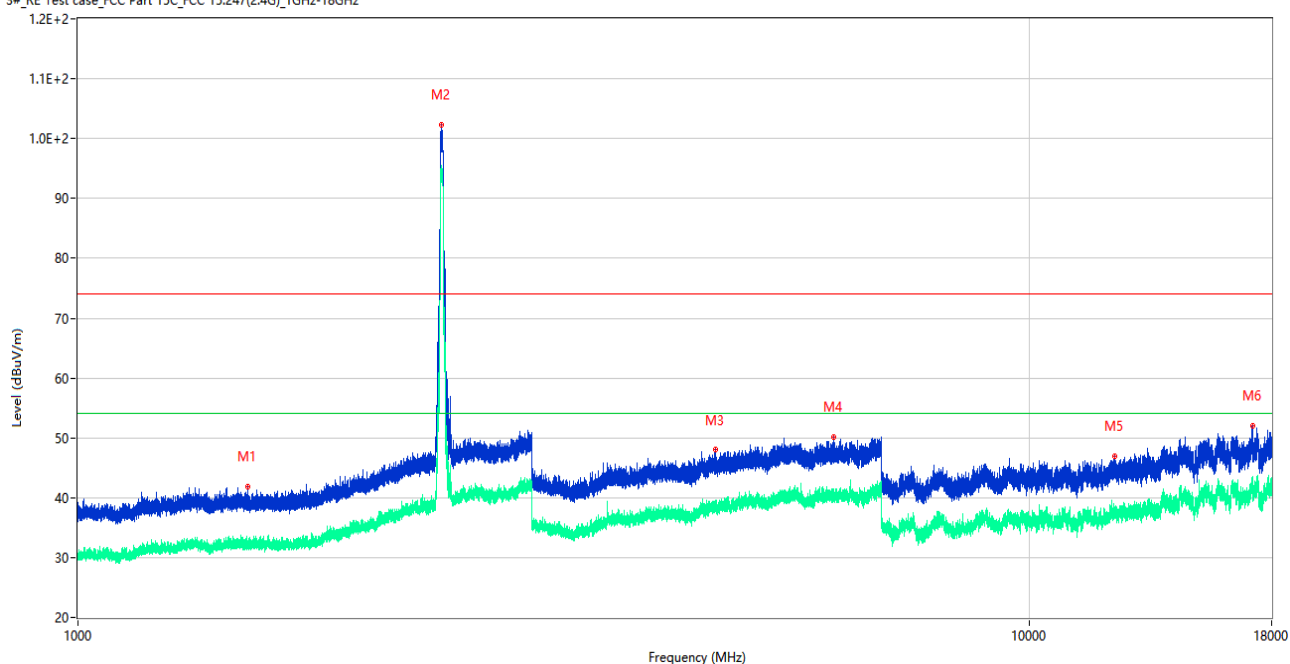
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.300	42.27	74.0	31.73	Peak	183.00	200	Horizontal	Pass
1**	1452.300	32.14	54.0	21.86	AV	183.00	200	Horizontal	Pass
2	2416.400	95.90	74.0	-21.90	Peak	108.00	100	Horizontal	N/A
2**	2416.400	87.60	54.0	-33.60	AV	108.00	100	Horizontal	N/A
3	4962.200	48.11	74.0	25.89	Peak	100.00	100	Horizontal	Pass
3**	4962.200	38.86	54.0	15.14	AV	100.00	100	Horizontal	Pass
4	6649.000	50.39	74.0	23.61	Peak	280.00	100	Horizontal	Pass
4**	6649.000	40.42	54.0	13.58	AV	280.00	100	Horizontal	Pass
5	12812.738	47.53	74.0	26.47	Peak	213.00	150	Horizontal	Pass
5**	12812.738	37.83	54.0	16.17	AV	213.00	150	Horizontal	Pass
6	17187.564	51.26	74.0	22.74	Peak	253.00	150	Horizontal	Pass
6**	17187.564	42.25	54.0	11.75	AV	253.00	150	Horizontal	Pass

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

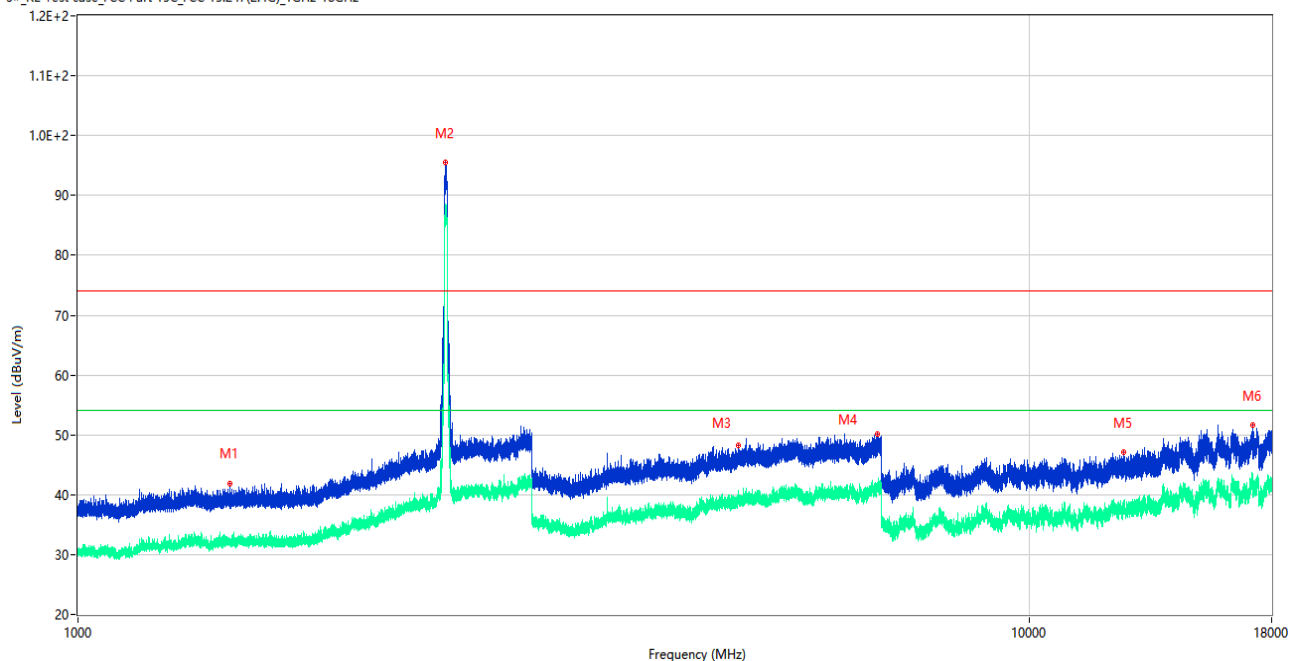
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.500	41.86	74.0	32.14	Peak	34.00	300	Vertical	Pass
1**	1507.500	31.51	54.0	22.49	AV	34.00	300	Vertical	Pass
2	2412.900	102.35	74.0	-28.35	Peak	332.00	100	Vertical	N/A
2**	2412.900	95.34	54.0	-41.34	AV	332.00	100	Vertical	N/A
3	4679.800	47.97	74.0	26.03	Peak	31.00	150	Vertical	Pass
3**	4679.800	38.56	54.0	15.44	AV	31.00	150	Vertical	Pass
4	6229.000	50.15	74.0	23.85	Peak	43.00	400	Vertical	Pass
4**	6229.000	41.40	54.0	12.60	AV	43.00	400	Vertical	Pass
5	12298.338	46.99	74.0	27.01	Peak	1.00	200	Vertical	Pass
5**	12298.338	37.05	54.0	16.95	AV	1.00	200	Vertical	Pass
6	17181.526	52.01	74.0	21.99	Peak	0.00	150	Vertical	Pass
6**	17181.526	41.60	54.0	12.40	AV	0.00	150	Vertical	Pass

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

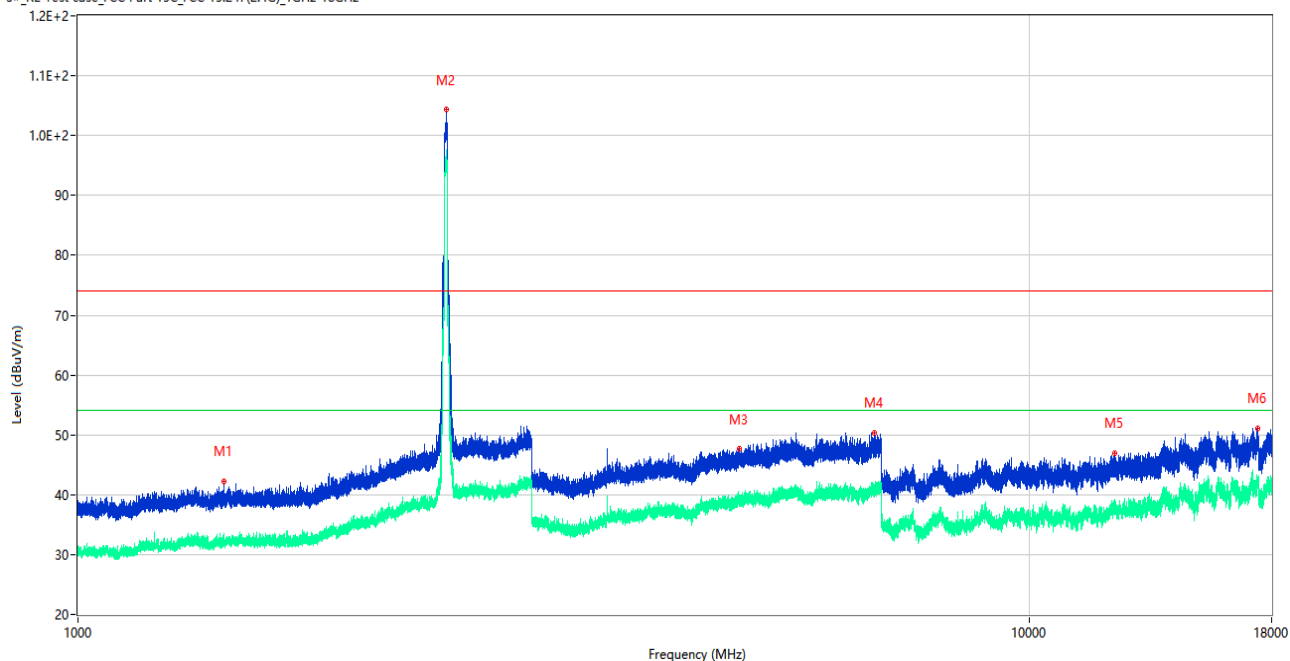
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.000	41.84	74.0	32.16	Peak	360.00	400	Horizontal	Pass
1**	1444.000	32.25	54.0	21.75	AV	360.00	400	Horizontal	Pass
2	2436.100	95.47	74.0	-21.47	Peak	116.00	100	Horizontal	N/A
2**	2436.100	88.16	54.0	-34.16	AV	116.00	100	Horizontal	N/A
3	4949.400	48.18	74.0	25.82	Peak	66.00	100	Horizontal	Pass
3**	4949.400	39.19	54.0	14.81	AV	66.00	100	Horizontal	Pass
4	6931.400	50.12	74.0	23.88	Peak	212.00	400	Horizontal	Pass
4**	6931.400	40.71	54.0	13.29	AV	212.00	400	Horizontal	Pass
5	12569.450	47.03	74.0	26.97	Peak	12.00	400	Horizontal	Pass
5**	12569.450	37.44	54.0	16.56	AV	12.00	400	Horizontal	Pass
6	17187.564	51.62	74.0	22.38	Peak	54.00	100	Horizontal	Pass
6**	17187.564	43.34	54.0	10.66	AV	54.00	100	Horizontal	Pass

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

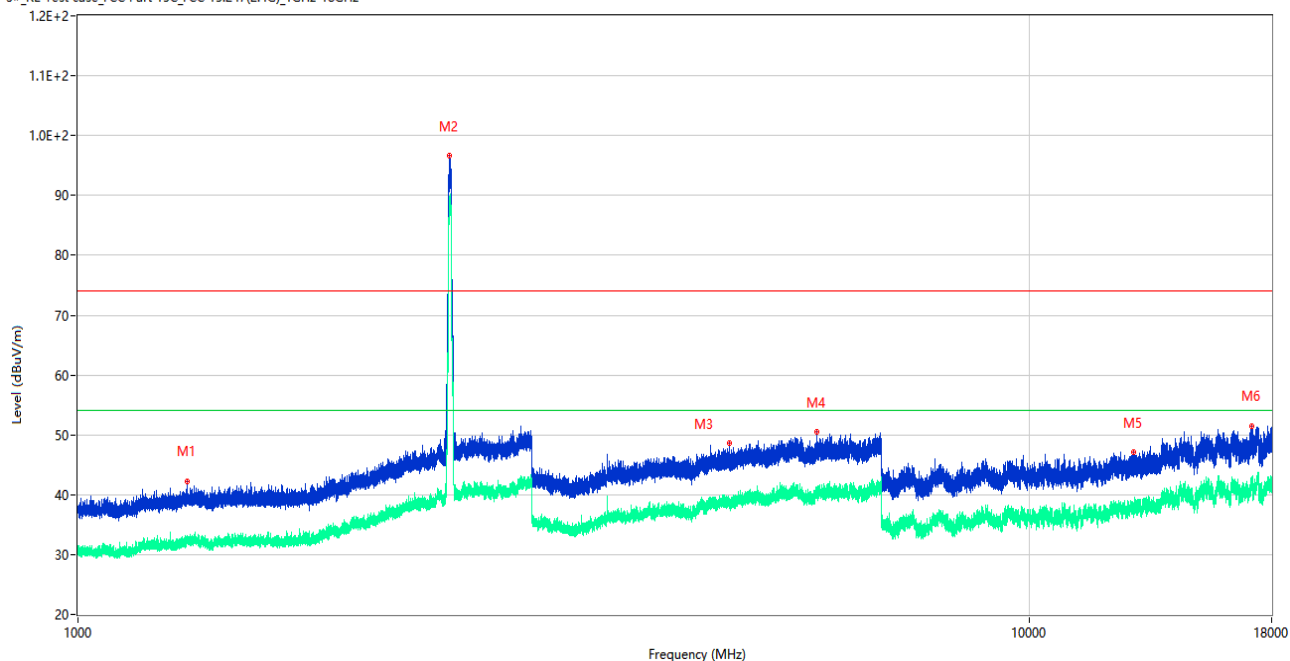
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1423.400	42.29	74.0	31.71	Peak	310.00	100	Vertical	Pass
1**	1423.400	32.66	54.0	21.34	AV	310.00	100	Vertical	Pass
2	2438.500	104.32	74.0	-30.32	Peak	335.00	200	Vertical	N/A
2**	2438.500	96.45	54.0	-42.45	AV	335.00	200	Vertical	N/A
3	4959.200	47.66	74.0	26.34	Peak	226.00	200	Vertical	Pass
3**	4959.200	39.18	54.0	14.82	AV	226.00	200	Vertical	Pass
4	6873.200	50.35	74.0	23.65	Peak	31.00	300	Vertical	Pass
4**	6873.200	40.56	54.0	13.44	AV	31.00	300	Vertical	Pass
5	12296.037	46.95	74.0	27.05	Peak	329.00	400	Vertical	Pass
5**	12296.037	39.26	54.0	14.74	AV	329.00	400	Vertical	Pass
6	17409.374	51.13	74.0	22.87	Peak	0.00	400	Vertical	Pass
6**	17409.374	42.54	54.0	11.46	AV	0.00	400	Vertical	Pass

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

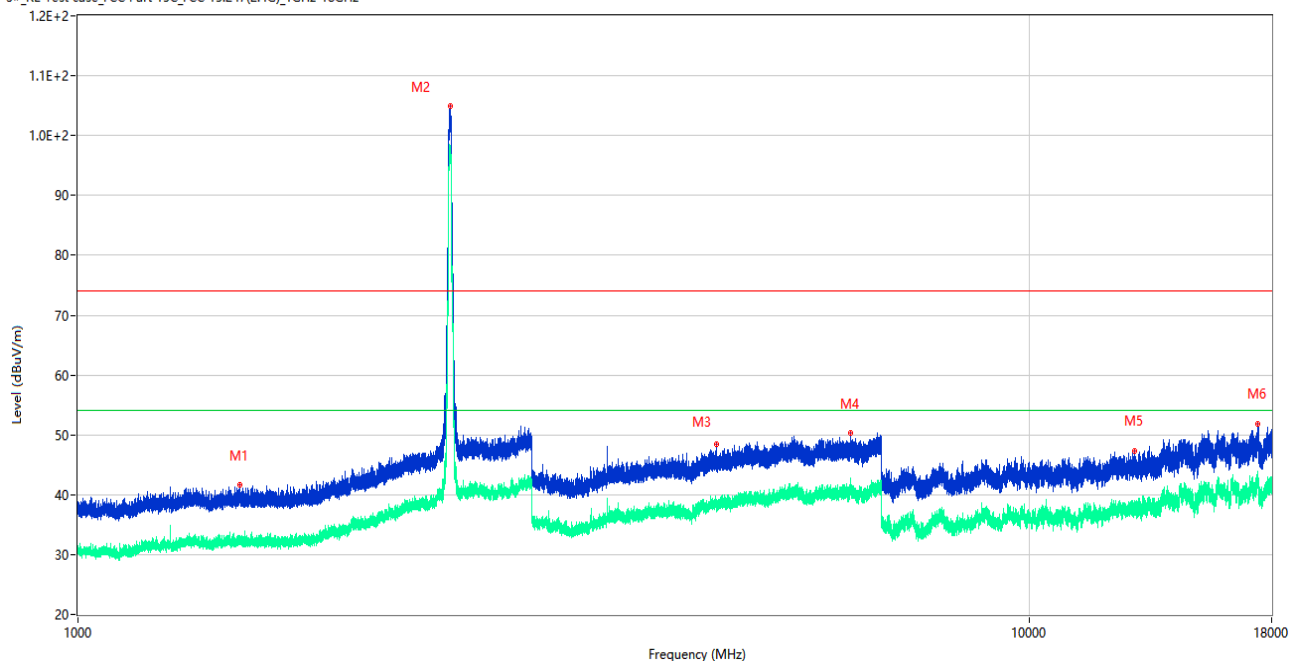
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.600	42.28	74.0	31.72	Peak	22.00	400	Horizontal	Pass
1**	1301.600	32.25	54.0	21.75	AV	22.00	400	Horizontal	Pass
2	2460.900	96.61	74.0	-22.61	Peak	315.00	150	Horizontal	N/A
2**	2460.900	88.80	54.0	-34.80	AV	315.00	150	Horizontal	N/A
3	4838.800	48.66	74.0	25.34	Peak	121.00	150	Horizontal	Pass
3**	4838.800	38.75	54.0	15.25	AV	121.00	150	Horizontal	Pass
4	5977.800	50.43	74.0	23.57	Peak	349.00	300	Horizontal	Pass
4**	5977.800	40.08	54.0	13.92	AV	349.00	300	Horizontal	Pass
5	12894.900	47.05	74.0	26.95	Peak	151.00	400	Horizontal	Pass
5**	12894.900	37.22	54.0	16.78	AV	151.00	400	Horizontal	Pass
6	17173.650	51.54	74.0	22.46	Peak	189.00	200	Horizontal	Pass
6**	17173.650	42.17	54.0	11.83	AV	189.00	200	Horizontal	Pass

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

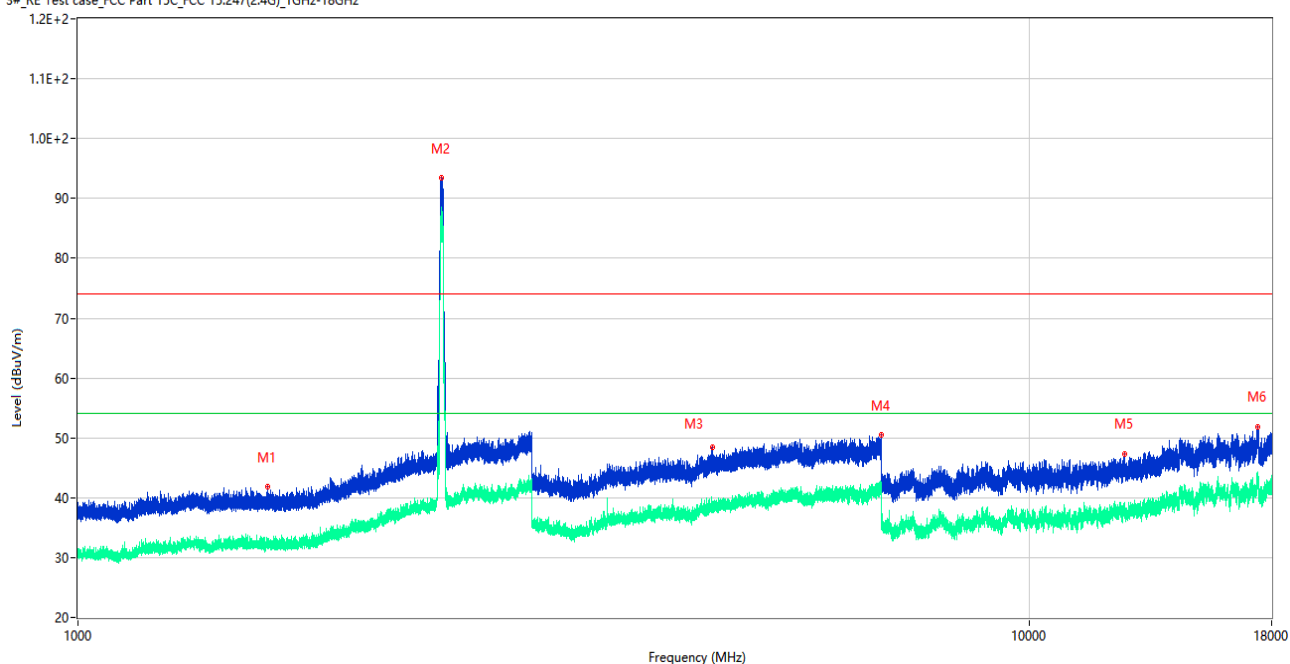
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.200	41.58	74.0	32.42	Peak	60.00	200	Vertical	Pass
1**	1480.200	32.48	54.0	21.52	AV	60.00	200	Vertical	Pass
2	2463.000	104.99	74.0	-30.99	Peak	324.00	100	Vertical	N/A
2**	2463.000	98.37	54.0	-44.37	AV	324.00	100	Vertical	N/A
3	4697.400	48.47	74.0	25.53	Peak	211.00	150	Vertical	Pass
3**	4697.400	38.13	54.0	15.87	AV	211.00	150	Vertical	Pass
4	6491.600	50.27	74.0	23.73	Peak	8.00	200	Vertical	Pass
4**	6491.600	40.85	54.0	13.15	AV	8.00	200	Vertical	Pass
5	12912.224	47.31	74.0	26.69	Peak	93.00	200	Vertical	Pass
5**	12912.224	36.77	54.0	17.23	AV	93.00	200	Vertical	Pass
6	17413.313	51.92	74.0	22.08	Peak	54.00	200	Vertical	Pass
6**	17413.313	42.08	54.0	11.92	AV	54.00	200	Vertical	Pass

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

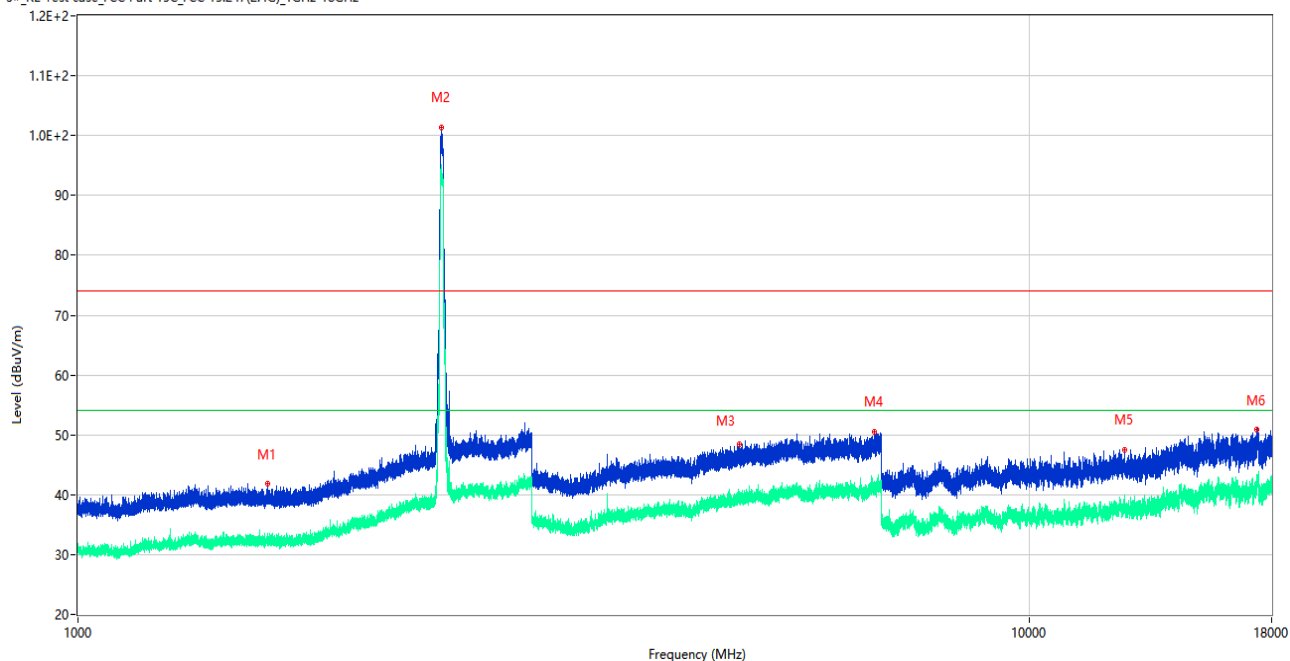
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.900	41.80	74.0	32.20	Peak	48.00	300	Horizontal	Pass
1**	1581.900	32.37	54.0	21.63	AV	48.00	300	Horizontal	Pass
2	2413.200	93.43	74.0	-19.43	Peak	110.00	200	Horizontal	N/A
2**	2413.200	88.58	54.0	-34.58	AV	110.00	200	Horizontal	N/A
3	4651.000	48.44	74.0	25.56	Peak	327.00	150	Horizontal	Pass
3**	4651.000	38.61	54.0	15.39	AV	327.00	150	Horizontal	Pass
4	7000.000	50.43	74.0	23.57	Peak	88.00	400	Horizontal	Pass
4**	7000.000	41.42	54.0	12.58	AV	88.00	400	Horizontal	Pass
5	12605.100	47.36	74.0	26.64	Peak	210.00	400	Horizontal	Pass
5**	12605.100	38.78	54.0	15.22	AV	210.00	400	Horizontal	Pass
6	17419.874	51.83	74.0	22.17	Peak	150.00	200	Horizontal	Pass
6**	17419.874	42.44	54.0	11.56	AV	150.00	200	Horizontal	Pass

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

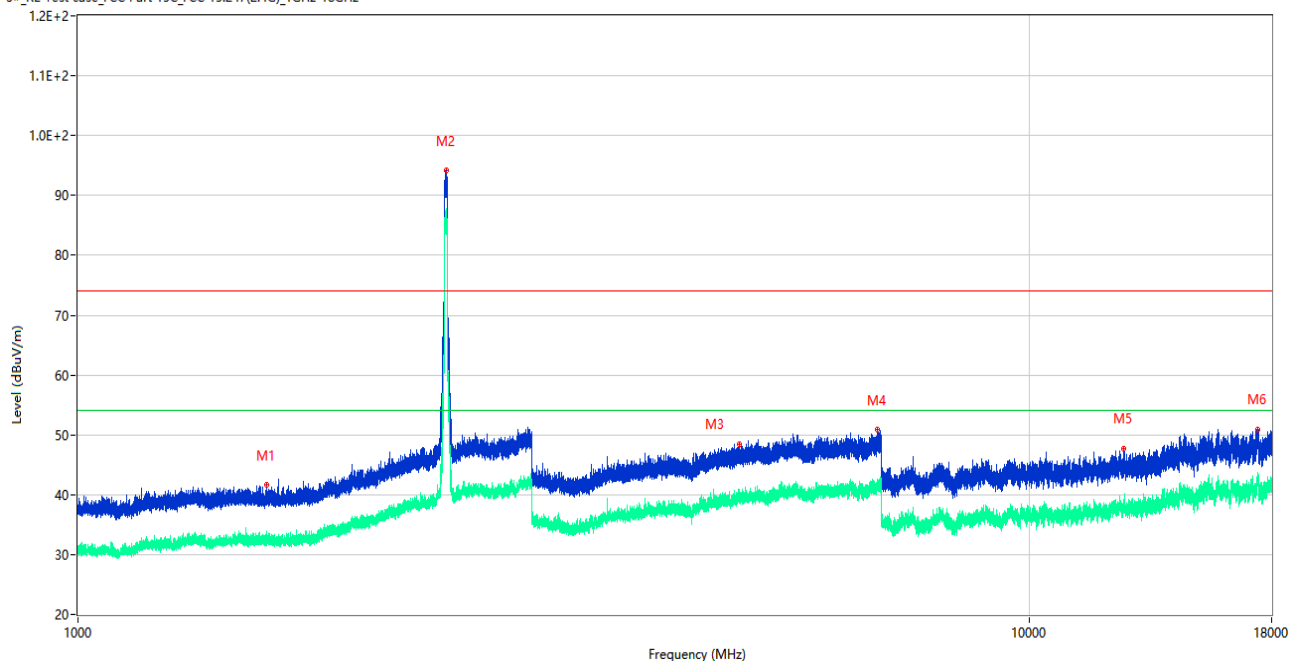
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.100	41.78	74.0	32.22	Peak	61.00	100	Vertical	Pass
1**	1581.100	33.13	54.0	20.87	AV	61.00	100	Vertical	Pass
2	2413.900	101.41	74.0	-27.41	Peak	335.00	100	Vertical	N/A
2**	2413.900	93.61	54.0	-39.61	AV	335.00	100	Vertical	N/A
3	4963.400	48.40	74.0	25.60	Peak	77.00	150	Vertical	Pass
3**	4963.400	39.44	54.0	14.56	AV	77.00	150	Vertical	Pass
4	6874.400	50.54	74.0	23.46	Peak	360.00	100	Vertical	Pass
4**	6874.400	41.15	54.0	12.85	AV	360.00	100	Vertical	Pass
5	12598.200	47.53	74.0	26.47	Peak	190.00	400	Vertical	Pass
5**	12598.200	38.88	54.0	15.12	AV	190.00	400	Vertical	Pass
6	17372.887	50.80	74.0	23.20	Peak	107.00	150	Vertical	Pass
6**	17372.887	41.17	54.0	12.83	AV	107.00	150	Vertical	Pass

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

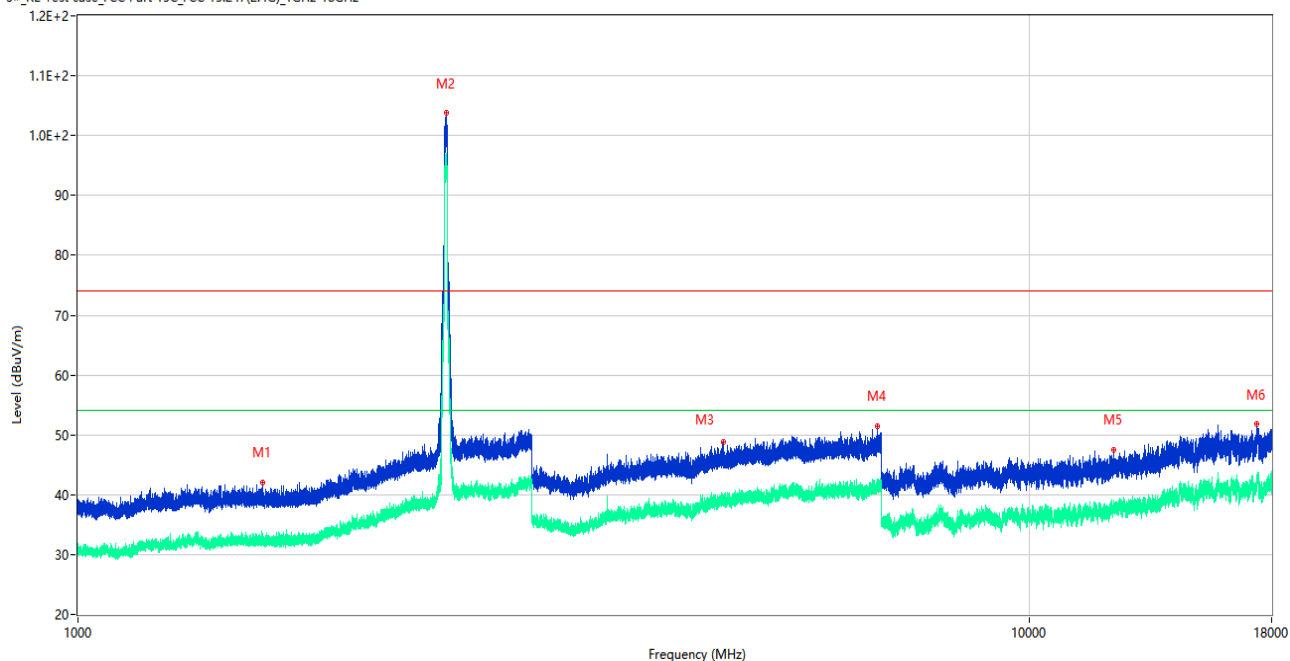
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.700	41.64	74.0	32.36	Peak	223.00	200	Horizontal	Pass
1**	1578.700	32.29	54.0	21.71	AV	223.00	200	Horizontal	Pass
2	2438.000	94.15	74.0	-20.15	Peak	120.00	200	Horizontal	N/A
2**	2438.000	87.31	54.0	-33.31	AV	120.00	200	Horizontal	N/A
3	4956.200	48.46	74.0	25.54	Peak	158.00	100	Horizontal	Pass
3**	4956.200	40.93	54.0	13.07	AV	158.00	100	Horizontal	Pass
4	6926.400	50.85	74.0	23.15	Peak	317.00	400	Horizontal	Pass
4**	6926.400	41.36	54.0	12.64	AV	317.00	400	Horizontal	Pass
5	12579.225	47.73	74.0	26.27	Peak	154.00	100	Horizontal	Pass
5**	12579.225	38.47	54.0	15.53	AV	154.00	100	Horizontal	Pass
6	17388.374	50.92	74.0	23.08	Peak	344.00	400	Horizontal	Pass
6**	17388.374	42.15	54.0	11.85	AV	344.00	400	Horizontal	Pass

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

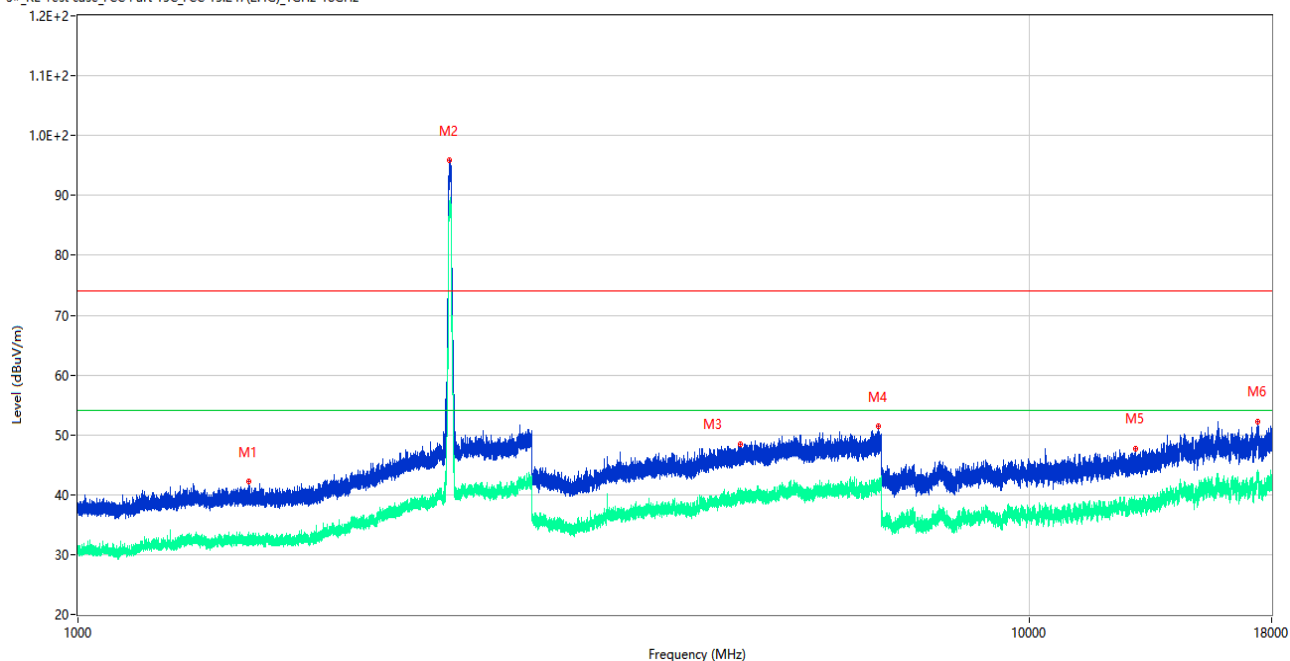
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.400	42.03	74.0	31.97	Peak	354.00	300	Vertical	Pass
1**	1562.400	32.40	54.0	21.60	AV	354.00	300	Vertical	Pass
2	2438.500	103.72	74.0	-29.72	Peak	341.00	100	Vertical	N/A
2**	2438.500	95.79	54.0	-41.79	AV	341.00	100	Vertical	N/A
3	4769.000	48.89	74.0	25.11	Peak	360.00	100	Vertical	Pass
3**	4769.000	38.11	54.0	15.89	AV	360.00	100	Vertical	Pass
4	6924.600	51.47	74.0	22.53	Peak	120.00	400	Vertical	Pass
4**	6924.600	41.83	54.0	12.17	AV	120.00	400	Vertical	Pass
5	12292.300	47.54	74.0	26.46	Peak	66.00	300	Vertical	Pass
5**	12292.300	37.91	54.0	16.09	AV	66.00	300	Vertical	Pass
6	17376.301	51.78	74.0	22.22	Peak	133.00	200	Vertical	Pass
6**	17376.301	42.28	54.0	11.72	AV	133.00	200	Vertical	Pass

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

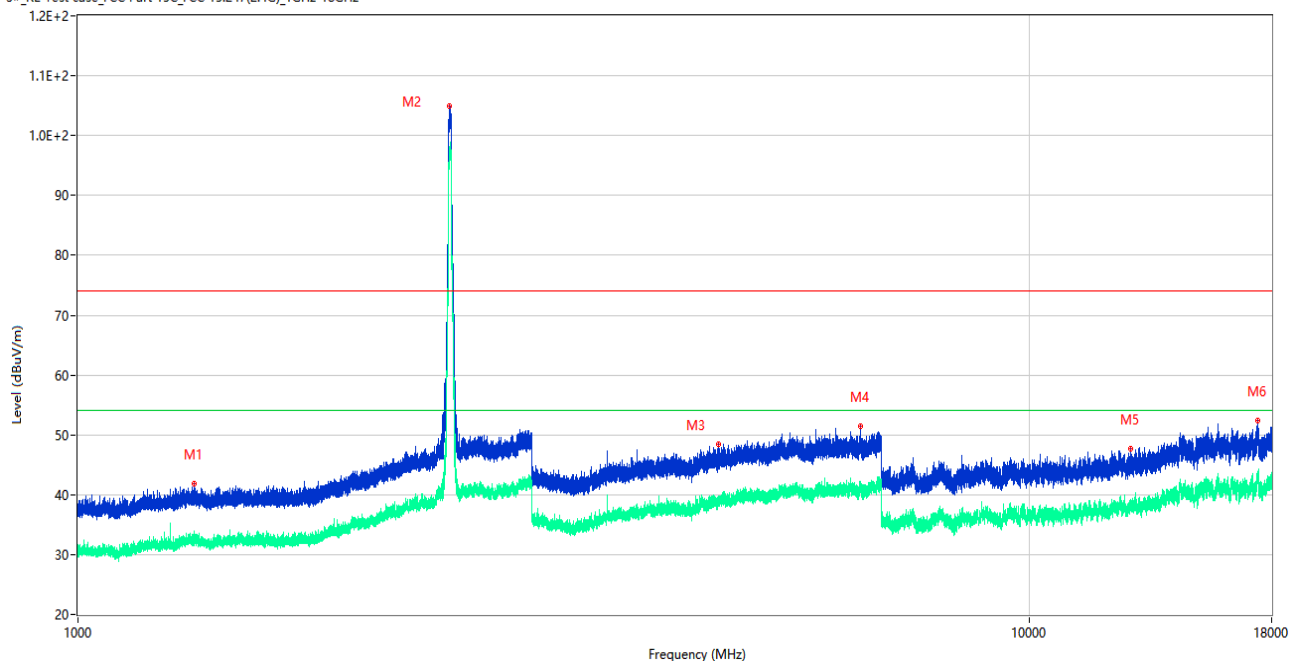
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.700	42.18	74.0	31.82	Peak	335.00	300	Horizontal	Pass
1**	1510.700	33.81	54.0	20.19	AV	335.00	300	Horizontal	Pass
2	2460.400	95.86	74.0	-21.86	Peak	312.00	200	Horizontal	N/A
2**	2460.400	88.99	54.0	-34.99	AV	312.00	200	Horizontal	N/A
3	4971.600	48.50	74.0	25.50	Peak	0.00	150	Horizontal	Pass
3**	4971.600	40.07	54.0	13.93	AV	0.00	150	Horizontal	Pass
4	6953.200	51.41	74.0	22.59	Peak	122.00	100	Horizontal	Pass
4**	6953.200	40.95	54.0	13.05	AV	122.00	100	Horizontal	Pass
5	12943.725	47.68	74.0	26.32	Peak	173.00	200	Horizontal	Pass
5**	12943.725	38.22	54.0	15.78	AV	173.00	200	Horizontal	Pass
6	17392.574	52.21	74.0	21.79	Peak	268.00	200	Horizontal	Pass
6**	17392.574	42.45	54.0	11.55	AV	268.00	200	Horizontal	Pass

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

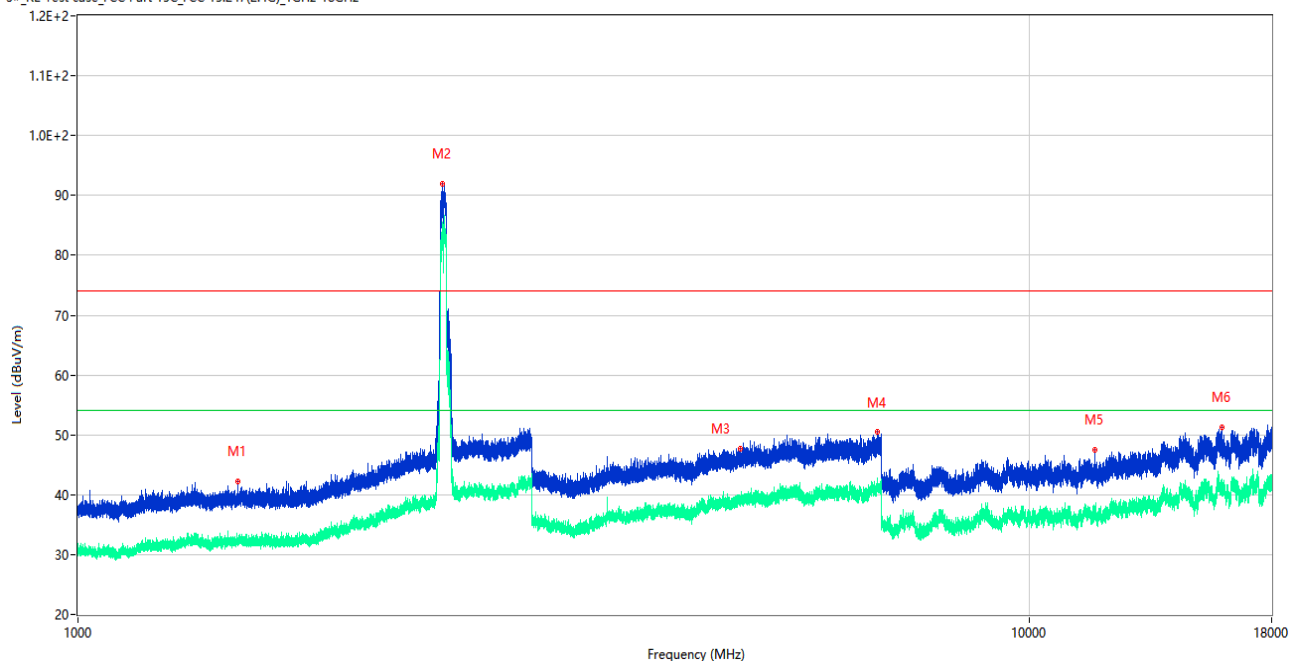
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.300	41.77	74.0	32.23	Peak	240.00	300	Vertical	Pass
1**	1326.300	33.90	54.0	20.10	AV	240.00	300	Vertical	Pass
2	2460.600	104.93	74.0	-30.93	Peak	334.00	200	Vertical	N/A
2**	2460.600	98.14	54.0	-44.14	AV	334.00	200	Vertical	N/A
3	4710.800	48.39	74.0	25.61	Peak	83.00	200	Vertical	Pass
3**	4710.800	39.19	54.0	14.81	AV	83.00	200	Vertical	Pass
4	6654.600	51.36	74.0	22.64	Peak	329.00	100	Vertical	Pass
4**	6654.600	41.30	54.0	12.70	AV	329.00	100	Vertical	Pass
5	12792.263	47.62	74.0	26.38	Peak	97.00	200	Vertical	Pass
5**	12792.263	37.87	54.0	16.13	AV	97.00	200	Vertical	Pass
6	17410.687	52.32	74.0	21.68	Peak	344.00	100	Vertical	Pass
6**	17410.687	43.02	54.0	10.98	AV	344.00	100	Vertical	Pass

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

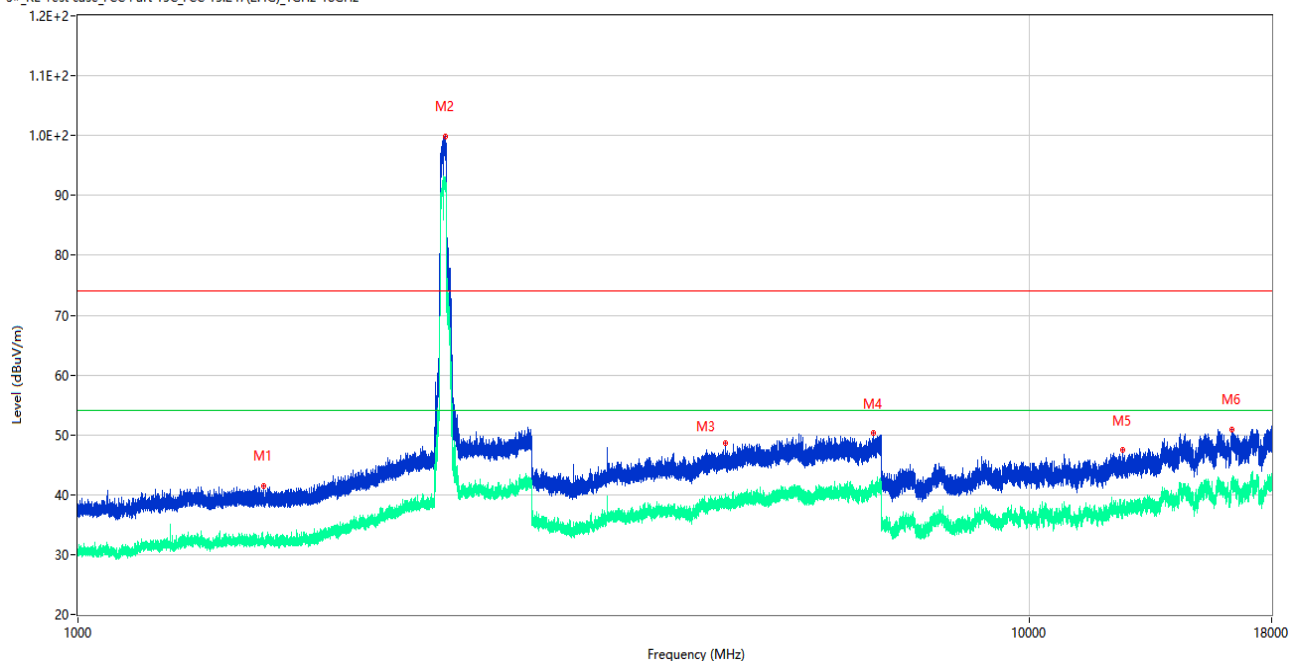
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1473.700	42.22	74.0	31.78	Peak	75.00	200	Horizontal	Pass
1**	1473.700	32.83	54.0	21.17	AV	75.00	200	Horizontal	Pass
2	2419.100	91.98	74.0	-17.98	Peak	113.00	200	Horizontal	N/A
2**	2419.100	84.25	54.0	-30.25	AV	113.00	200	Horizontal	N/A
3	4975.400	47.69	74.0	26.31	Peak	101.00	200	Horizontal	Pass
3**	4975.400	39.20	54.0	14.80	AV	101.00	200	Horizontal	Pass
4	6929.800	50.47	74.0	23.53	Peak	114.00	100	Horizontal	Pass
4**	6929.800	41.30	54.0	12.70	AV	114.00	100	Horizontal	Pass
5	11720.750	47.53	74.0	26.47	Peak	0.00	100	Horizontal	Pass
5**	11720.750	37.84	54.0	16.16	AV	0.00	100	Horizontal	Pass
6	15978.225	51.28	74.0	22.72	Peak	133.00	400	Horizontal	Pass
6**	15978.225	40.89	54.0	13.11	AV	133.00	400	Horizontal	Pass

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

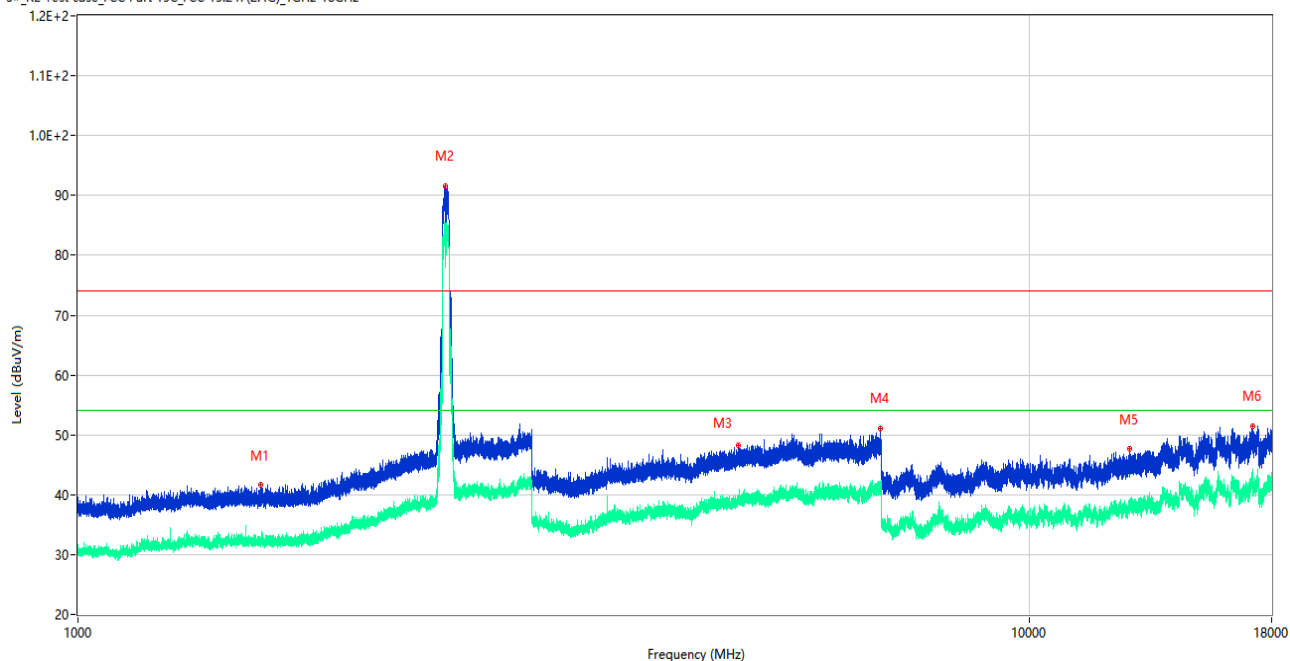
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.200	41.48	74.0	32.52	Peak	297.00	400	Vertical	Pass
1**	1569.200	32.27	54.0	21.73	AV	297.00	400	Vertical	Pass
2	2434.100	99.90	74.0	-25.90	Peak	336.00	100	Vertical	N/A
2**	2434.100	91.46	54.0	-37.46	AV	336.00	100	Vertical	N/A
3	4801.600	48.65	74.0	25.35	Peak	116.00	150	Vertical	Pass
3**	4801.600	39.63	54.0	14.37	AV	116.00	150	Vertical	Pass
4	6856.800	50.25	74.0	23.75	Peak	352.00	200	Vertical	Pass
4**	6856.800	40.88	54.0	13.12	AV	352.00	200	Vertical	Pass
5	12559.963	47.42	74.0	26.58	Peak	324.00	100	Vertical	Pass
5**	12559.963	37.88	54.0	16.12	AV	324.00	100	Vertical	Pass
6	16363.312	50.95	74.0	23.05	Peak	268.00	300	Vertical	Pass
6**	16363.312	42.34	54.0	11.66	AV	268.00	300	Vertical	Pass

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

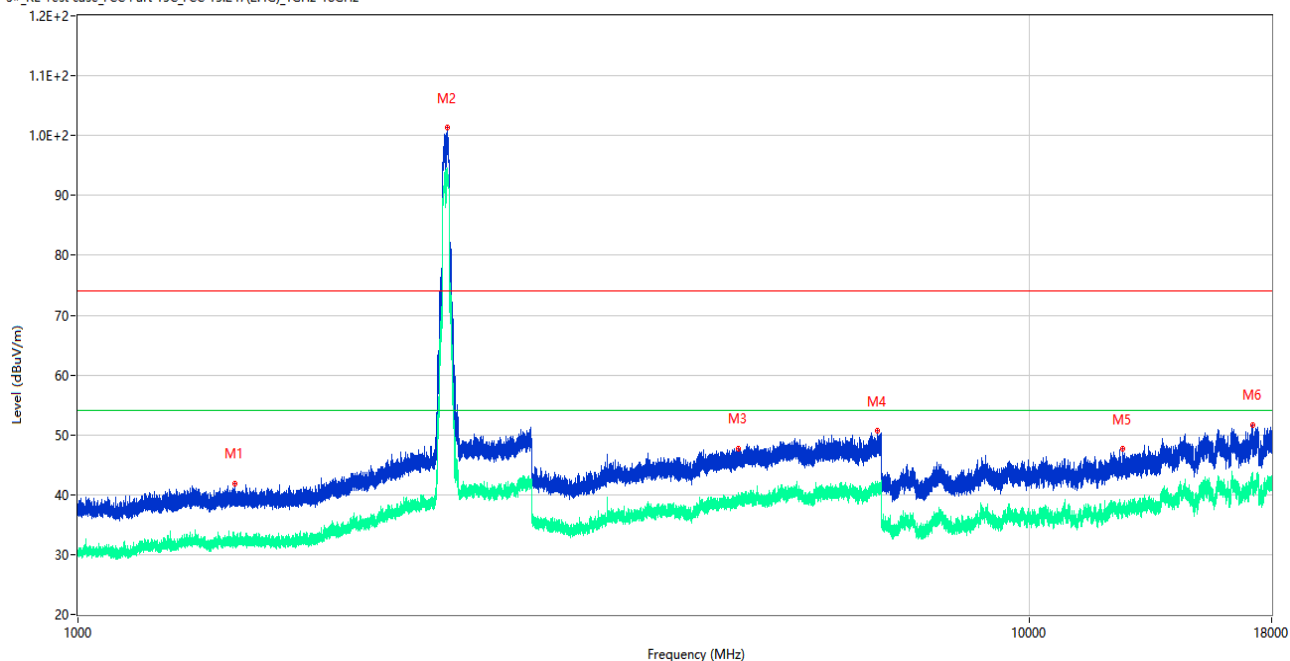
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.700	41.62	74.0	32.38	Peak	5.00	300	Horizontal	Pass
1**	1557.700	32.31	54.0	21.69	AV	5.00	300	Horizontal	Pass
2	2433.500	91.61	74.0	-17.61	Peak	320.00	100	Horizontal	N/A
2**	2433.500	84.39	54.0	-30.39	AV	320.00	100	Horizontal	N/A
3	4947.800	48.19	74.0	25.81	Peak	15.00	200	Horizontal	Pass
3**	4947.800	38.51	54.0	15.49	AV	15.00	200	Horizontal	Pass
4	6986.400	51.16	74.0	22.84	Peak	329.00	100	Horizontal	Pass
4**	6986.400	41.21	54.0	12.79	AV	329.00	100	Horizontal	Pass
5	12768.113	47.60	74.0	26.40	Peak	58.00	200	Horizontal	Pass
5**	12768.113	38.22	54.0	15.78	AV	58.00	200	Horizontal	Pass
6	17193.339	51.54	74.0	22.46	Peak	76.00	100	Horizontal	Pass
6**	17193.339	42.32	54.0	11.68	AV	76.00	100	Horizontal	Pass

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

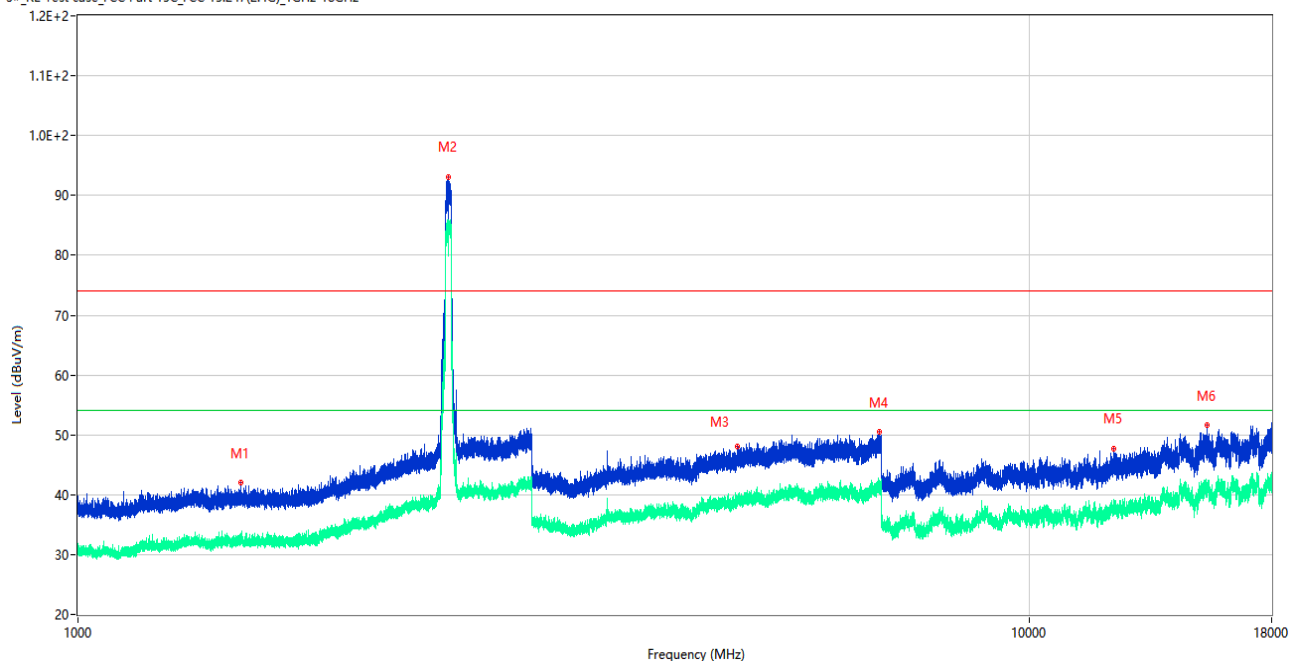
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.900	41.89	74.0	32.11	Peak	327.00	200	Vertical	Pass
1**	1460.900	32.73	54.0	21.27	AV	327.00	200	Vertical	Pass
2	2445.800	101.27	74.0	-27.27	Peak	339.00	200	Vertical	N/A
2**	2445.800	94.66	54.0	-40.66	AV	339.00	200	Vertical	N/A
3	4953.800	47.71	74.0	26.29	Peak	205.00	200	Vertical	Pass
3**	4953.800	39.42	54.0	14.58	AV	205.00	200	Vertical	Pass
4	6927.000	50.61	74.0	23.39	Peak	239.00	400	Vertical	Pass
4**	6927.000	41.35	54.0	12.65	AV	239.00	400	Vertical	Pass
5	12557.088	47.60	74.0	26.40	Peak	136.00	200	Vertical	Pass
5**	12557.088	37.47	54.0	16.53	AV	136.00	200	Vertical	Pass
6	17180.213	51.71	74.0	22.29	Peak	286.00	200	Vertical	Pass
6**	17180.213	43.57	54.0	10.43	AV	286.00	200	Vertical	Pass

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

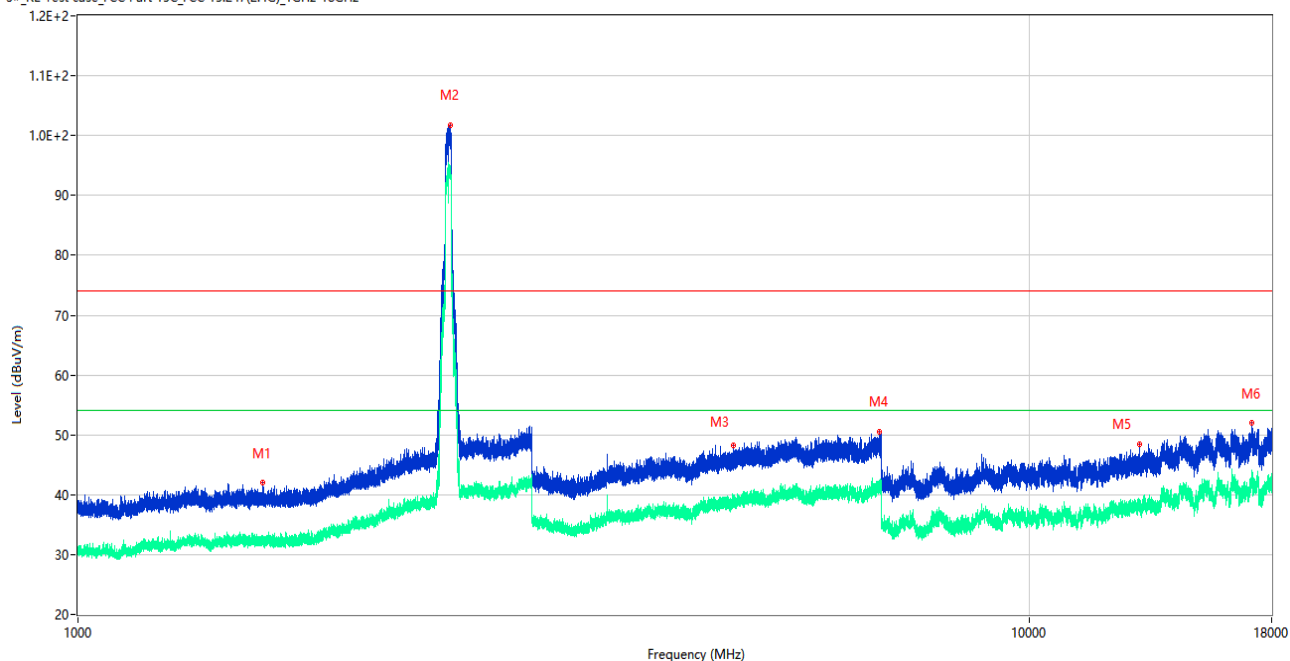
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.000	41.94	74.0	32.06	Peak	189.00	200	Horizontal	Pass
1**	1483.000	31.63	54.0	22.37	AV	189.00	200	Horizontal	Pass
2	2454.700	93.13	74.0	-19.13	Peak	105.00	100	Horizontal	N/A
2**	2454.700	84.04	54.0	-30.04	AV	105.00	100	Horizontal	N/A
3	4942.000	48.03	74.0	25.97	Peak	205.00	150	Horizontal	Pass
3**	4942.000	38.93	54.0	15.07	AV	205.00	150	Horizontal	Pass
4	6957.000	50.49	74.0	23.51	Peak	318.00	400	Horizontal	Pass
4**	6957.000	41.57	54.0	12.43	AV	318.00	400	Horizontal	Pass
5	12282.812	47.72	74.0	26.28	Peak	358.00	200	Horizontal	Pass
5**	12282.812	37.70	54.0	16.30	AV	358.00	200	Horizontal	Pass
6	15410.175	51.56	74.0	22.44	Peak	286.00	200	Horizontal	Pass
6**	15410.175	40.26	54.0	13.74	AV	286.00	200	Horizontal	Pass

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

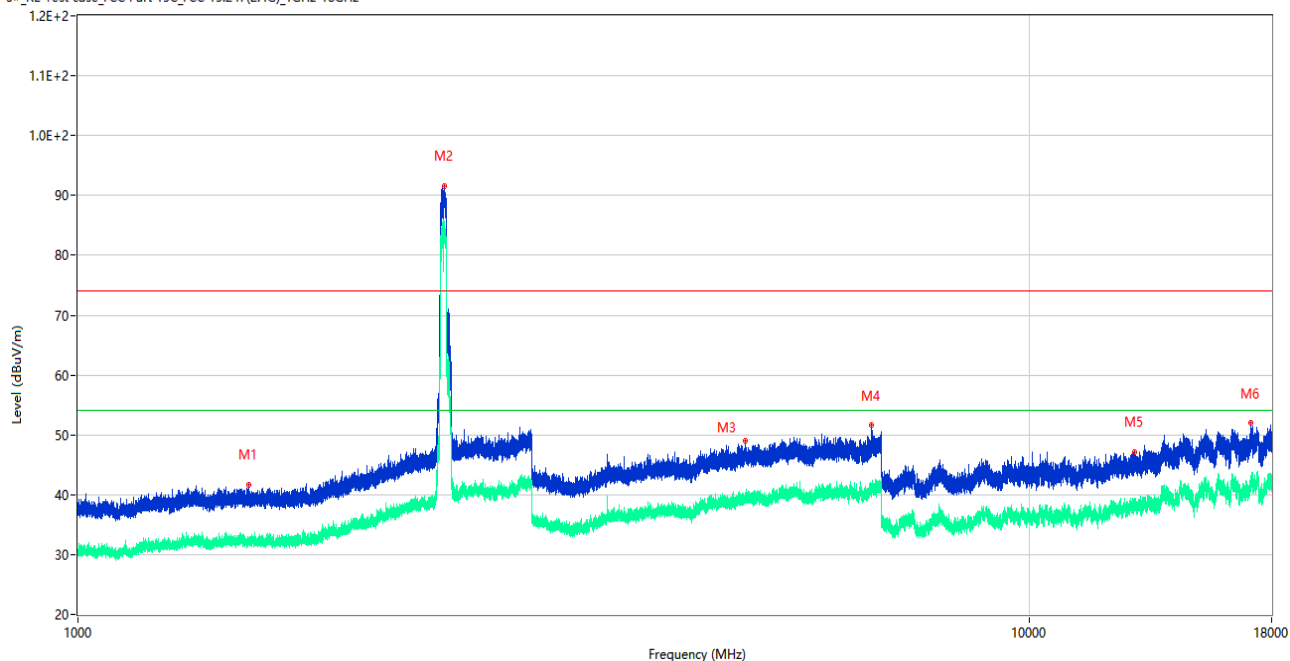
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1564.400	41.99	74.0	32.01	Peak	102.00	300	Vertical	Pass
1**	1564.400	32.67	54.0	21.33	AV	102.00	300	Vertical	Pass
2	2461.300	101.75	74.0	-27.75	Peak	330.00	200	Vertical	N/A
2**	2461.300	94.19	54.0	-40.19	AV	330.00	200	Vertical	N/A
3	4887.600	48.28	74.0	25.72	Peak	317.00	150	Vertical	Pass
3**	4887.600	38.24	54.0	15.76	AV	317.00	150	Vertical	Pass
4	6962.800	50.60	74.0	23.40	Peak	192.00	100	Vertical	Pass
4**	6962.800	40.89	54.0	13.11	AV	192.00	100	Vertical	Pass
5	13069.987	48.52	74.0	25.48	Peak	229.00	150	Vertical	Pass
5**	13069.987	37.81	54.0	16.19	AV	229.00	150	Vertical	Pass
6	17147.662	51.95	74.0	22.05	Peak	58.00	100	Vertical	Pass
6**	17147.662	42.76	54.0	11.24	AV	58.00	100	Vertical	Pass

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

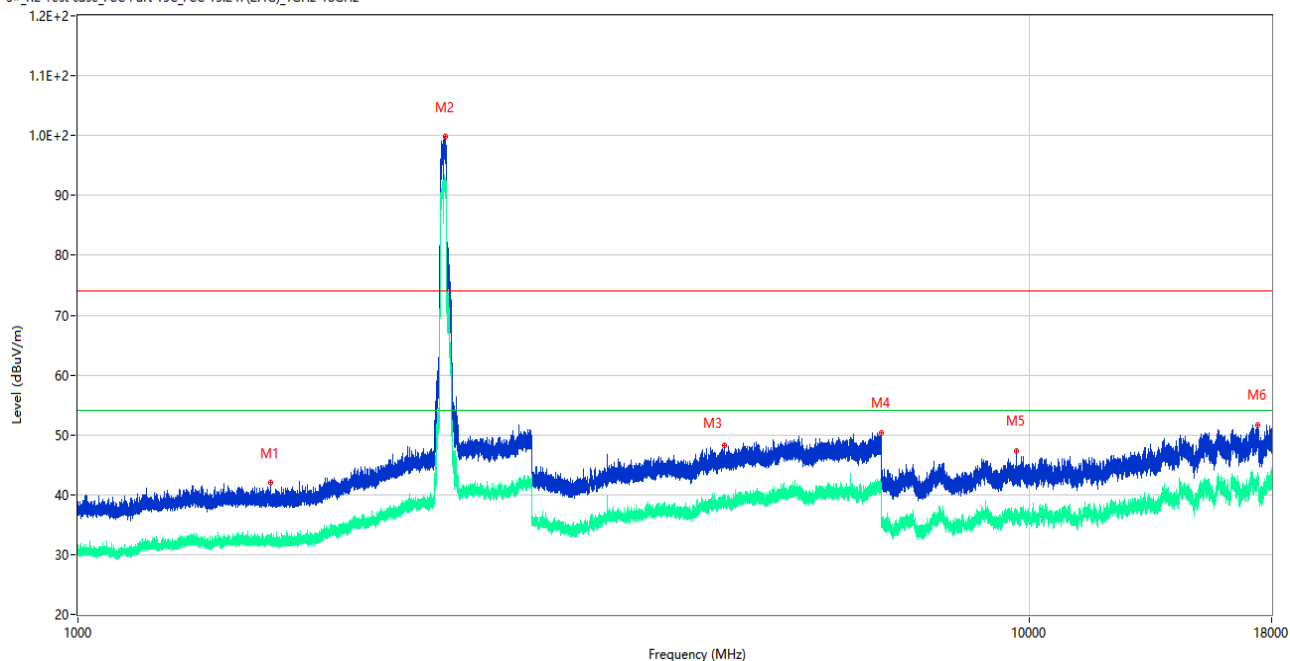
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.300	41.66	74.0	32.34	Peak	294.00	100	Horizontal	Pass
1**	1511.300	32.41	54.0	21.59	AV	294.00	100	Horizontal	Pass
2	2426.500	91.63	74.0	-17.63	Peak	114.00	100	Horizontal	N/A
2**	2426.500	84.40	54.0	-30.40	AV	114.00	100	Horizontal	N/A
3	5034.800	49.08	74.0	24.92	Peak	307.00	150	Horizontal	Pass
3**	5034.800	38.74	54.0	15.26	AV	307.00	150	Horizontal	Pass
4	6837.400	51.57	74.0	22.43	Peak	262.00	200	Horizontal	Pass
4**	6837.400	41.60	54.0	12.40	AV	262.00	200	Horizontal	Pass
5	12926.401	47.18	74.0	26.82	Peak	270.00	200	Horizontal	Pass
5**	12926.401	38.20	54.0	15.80	AV	270.00	200	Horizontal	Pass
6	17118.788	51.95	74.0	22.05	Peak	288.00	200	Horizontal	Pass
6**	17118.788	41.94	54.0	12.06	AV	288.00	200	Horizontal	Pass

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

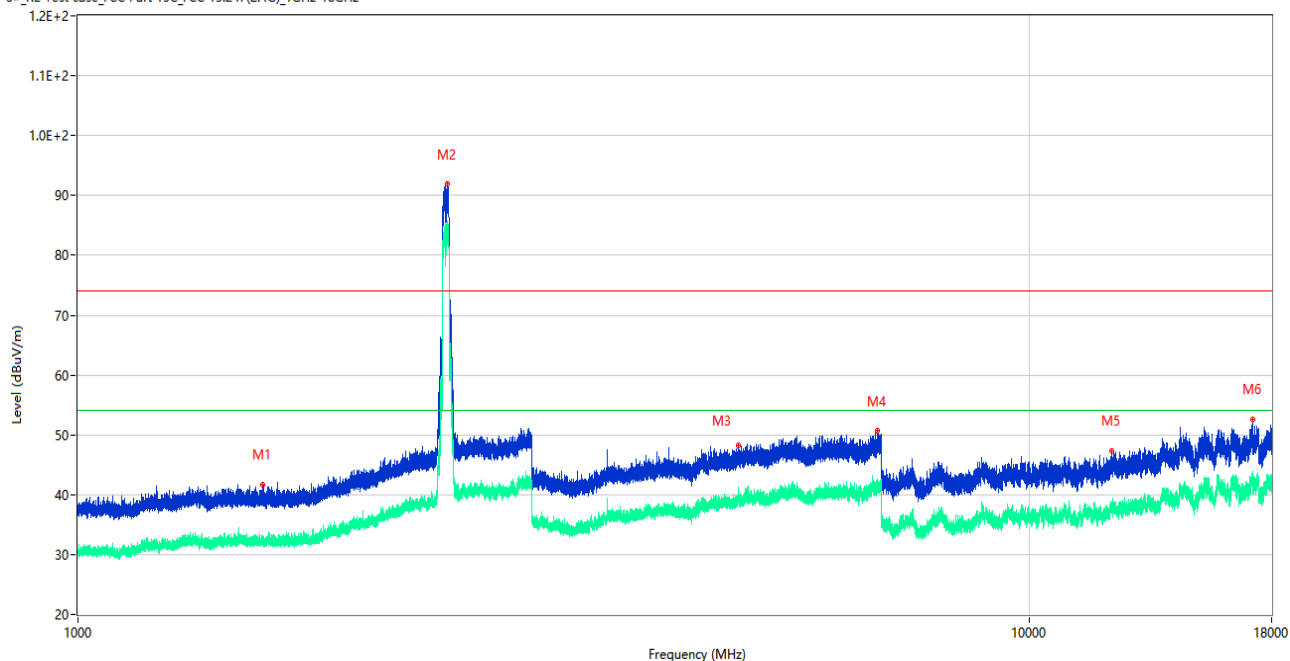
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.200	42.00	74.0	32.00	Peak	139.00	300	Vertical	Pass
1**	1593.200	31.71	54.0	22.29	AV	139.00	300	Vertical	Pass
2	2432.400	99.84	74.0	-25.84	Peak	340.00	150	Vertical	N/A
2**	2432.400	92.73	54.0	-38.73	AV	340.00	150	Vertical	N/A
3	4789.000	48.16	74.0	25.84	Peak	0.00	100	Vertical	Pass
3**	4789.000	38.20	54.0	15.80	AV	0.00	100	Vertical	Pass
4	6990.400	50.33	74.0	23.67	Peak	120.00	400	Vertical	Pass
4**	6990.400	41.20	54.0	12.80	AV	120.00	400	Vertical	Pass
5	9700.200	47.35	74.0	26.65	Peak	184.00	400	Vertical	Pass
5**	9700.200	36.31	54.0	17.69	AV	184.00	400	Vertical	Pass
6	17398.350	51.63	74.0	22.37	Peak	20.00	100	Vertical	Pass
6**	17398.350	42.96	54.0	11.04	AV	20.00	100	Vertical	Pass

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

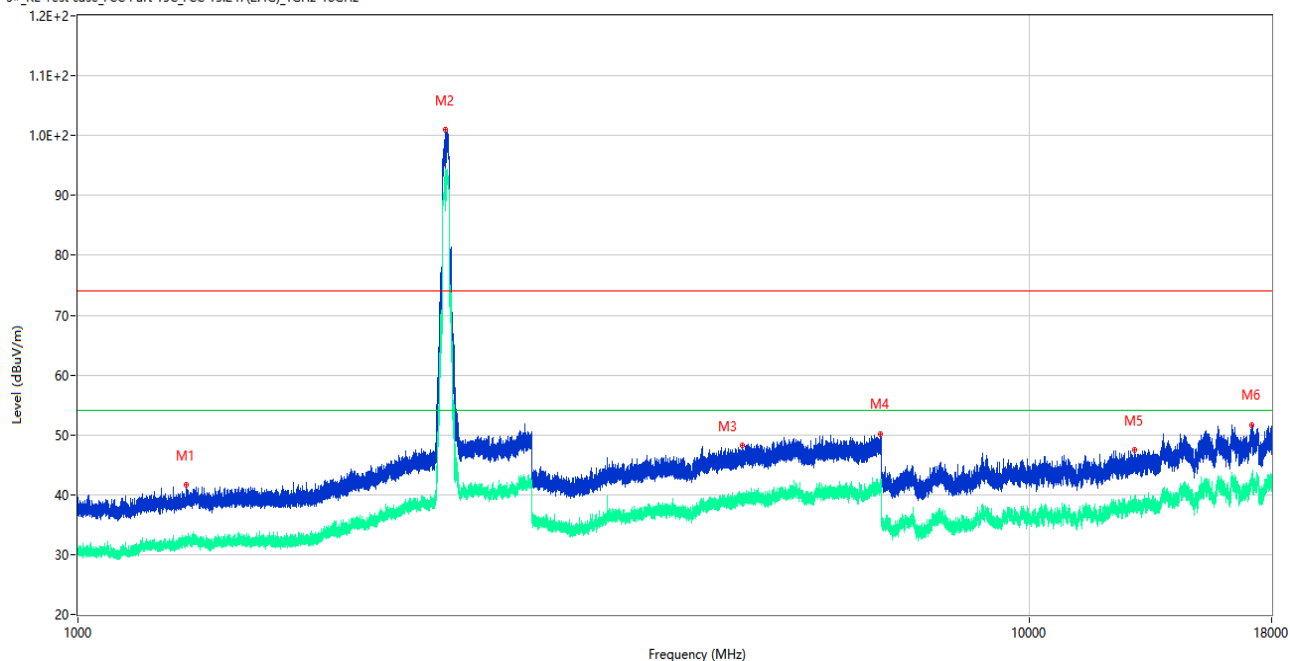
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1563.400	41.72	74.0	32.28	Peak	25.00	400	Horizontal	Pass
1**	1563.400	31.92	54.0	22.08	AV	25.00	400	Horizontal	Pass
2	2446.600	91.92	74.0	-17.92	Peak	118.00	150	Horizontal	N/A
2**	2446.600	85.10	54.0	-31.10	AV	118.00	150	Horizontal	N/A
3	4946.600	48.33	74.0	25.67	Peak	274.00	200	Horizontal	Pass
3**	4946.600	39.33	54.0	14.67	AV	274.00	200	Horizontal	Pass
4	6925.800	50.62	74.0	23.38	Peak	218.00	100	Horizontal	Pass
4**	6925.800	41.07	54.0	12.93	AV	218.00	100	Horizontal	Pass
5	12221.575	47.30	74.0	26.70	Peak	360.00	200	Horizontal	Pass
5**	12221.575	38.80	54.0	15.20	AV	360.00	200	Horizontal	Pass
6	17185.200	52.67	74.0	21.33	Peak	158.00	100	Horizontal	Pass
6**	17185.200	42.89	54.0	11.11	AV	158.00	100	Horizontal	Pass

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

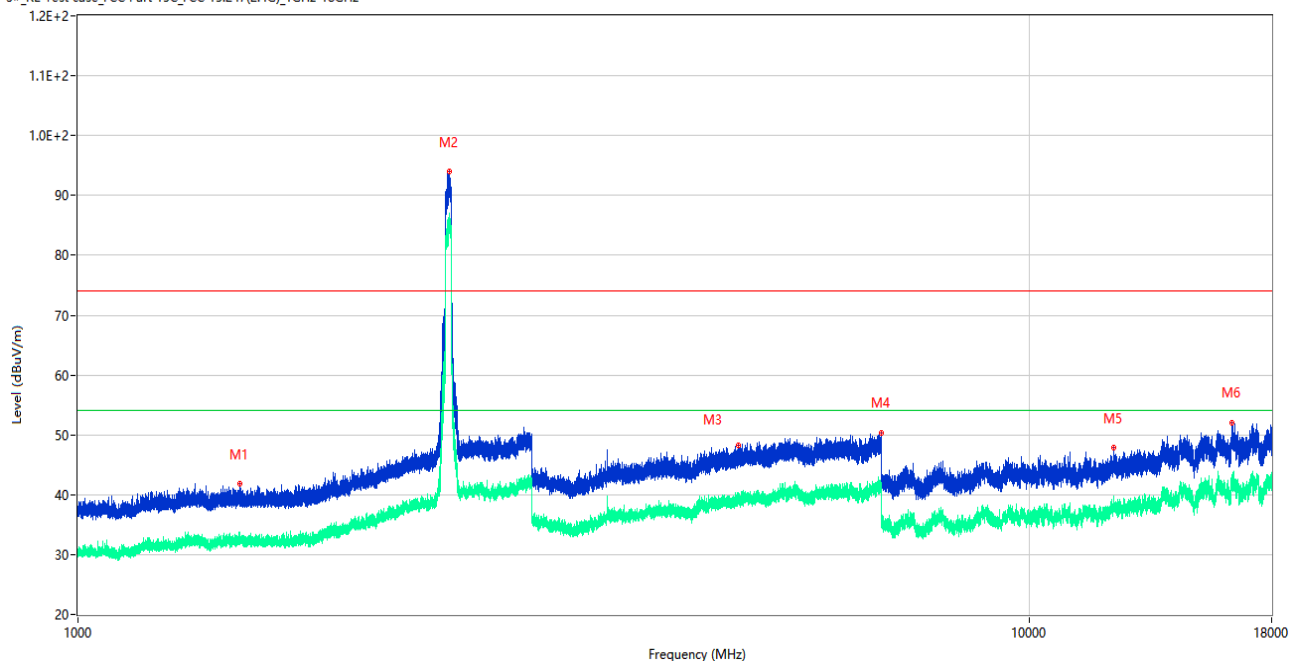
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.100	41.57	74.0	32.43	Peak	267.00	300	Vertical	Pass
1**	1301.100	31.70	54.0	22.30	AV	267.00	300	Vertical	Pass
2	2434.800	100.91	74.0	-26.91	Peak	341.00	100	Vertical	N/A
2**	2434.800	94.31	54.0	-40.31	AV	341.00	100	Vertical	N/A
3	4991.800	48.23	74.0	25.77	Peak	307.00	100	Vertical	Pass
3**	4991.800	39.63	54.0	14.37	AV	307.00	100	Vertical	Pass
4	6985.000	50.21	74.0	23.79	Peak	187.00	300	Vertical	Pass
4**	6985.000	41.49	54.0	12.51	AV	187.00	300	Vertical	Pass
5	12924.562	47.48	74.0	26.52	Peak	267.00	300	Vertical	Pass
5**	12924.562	38.60	54.0	15.40	AV	267.00	300	Vertical	Pass
6	17150.551	51.71	74.0	22.29	Peak	305.00	200	Vertical	Pass
6**	17150.551	42.14	54.0	11.86	AV	305.00	200	Vertical	Pass

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

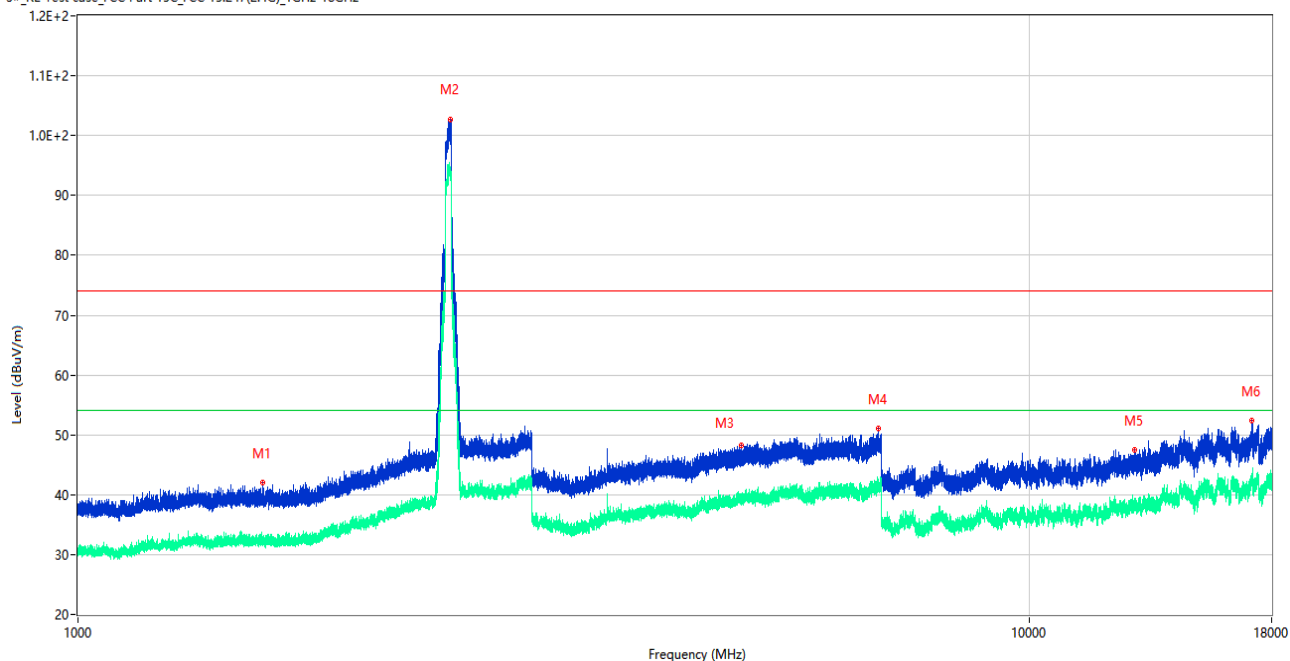
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.400	41.80	74.0	32.20	Peak	95.00	200	Horizontal	Pass
1**	1479.400	31.81	54.0	22.19	AV	95.00	200	Horizontal	Pass
2	2457.700	93.99	74.0	-19.99	Peak	304.00	200	Horizontal	N/A
2**	2457.700	85.45	54.0	-31.45	AV	304.00	200	Horizontal	N/A
3	4950.200	48.32	74.0	25.68	Peak	242.00	200	Horizontal	Pass
3**	4950.200	39.64	54.0	14.36	AV	242.00	200	Horizontal	Pass
4	6993.000	50.38	74.0	23.62	Peak	219.00	100	Horizontal	Pass
4**	6993.000	41.80	54.0	12.20	AV	219.00	100	Horizontal	Pass
5	12284.250	47.84	74.0	26.16	Peak	84.00	300	Horizontal	Pass
5**	12284.250	37.86	54.0	16.14	AV	84.00	300	Horizontal	Pass
6	16350.188	52.01	74.0	21.99	Peak	0.00	100	Horizontal	Pass
6**	16350.188	42.01	54.0	11.99	AV	0.00	100	Horizontal	Pass

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

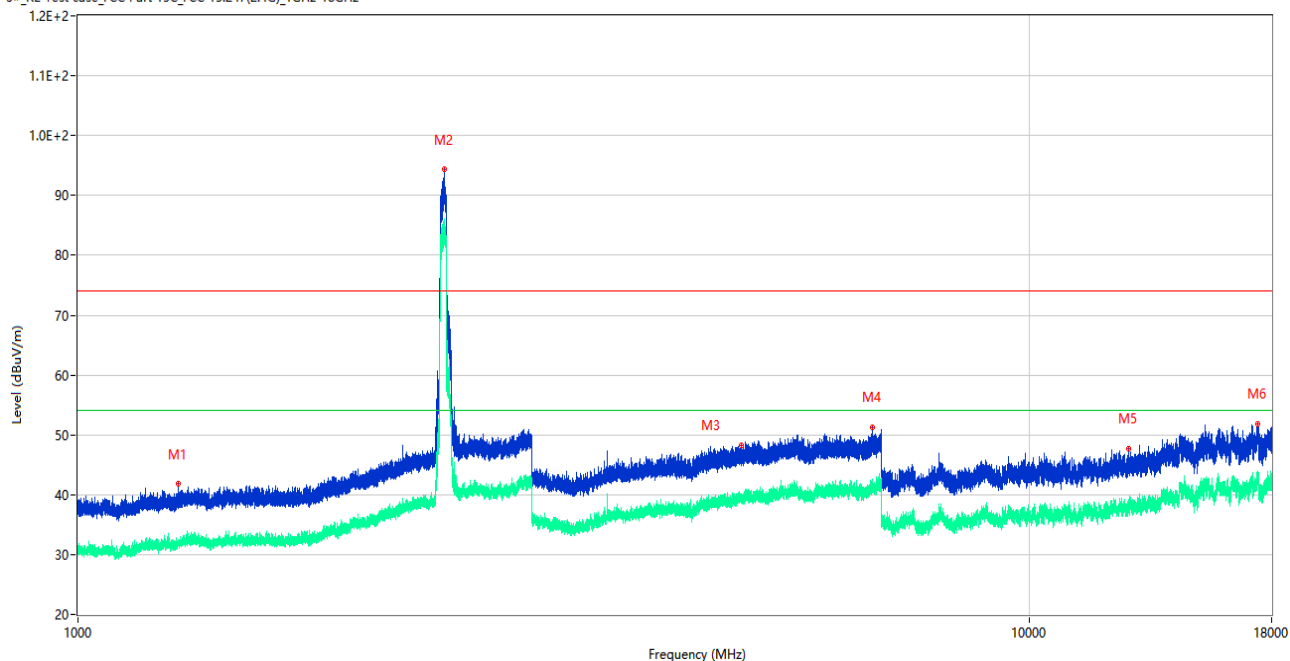
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.500	41.96	74.0	32.04	Peak	250.00	400	Vertical	Pass
1**	1562.500	32.19	54.0	21.81	AV	250.00	400	Vertical	Pass
2	2463.800	102.75	74.0	-28.75	Peak	341.00	200	Vertical	N/A
2**	2463.800	94.74	54.0	-40.74	AV	341.00	200	Vertical	N/A
3	4982.200	48.26	74.0	25.74	Peak	0.00	150	Vertical	Pass
3**	4982.200	39.25	54.0	14.75	AV	0.00	150	Vertical	Pass
4	6945.200	51.03	74.0	22.97	Peak	228.00	200	Vertical	Pass
4**	6945.200	41.56	54.0	12.44	AV	228.00	200	Vertical	Pass
5	12931.651	47.44	74.0	26.56	Peak	326.00	100	Vertical	Pass
5**	12931.651	37.87	54.0	16.13	AV	326.00	100	Vertical	Pass
6	17151.863	52.31	74.0	21.69	Peak	0.00	300	Vertical	Pass
6**	17151.863	42.00	54.0	12.00	AV	0.00	300	Vertical	Pass

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

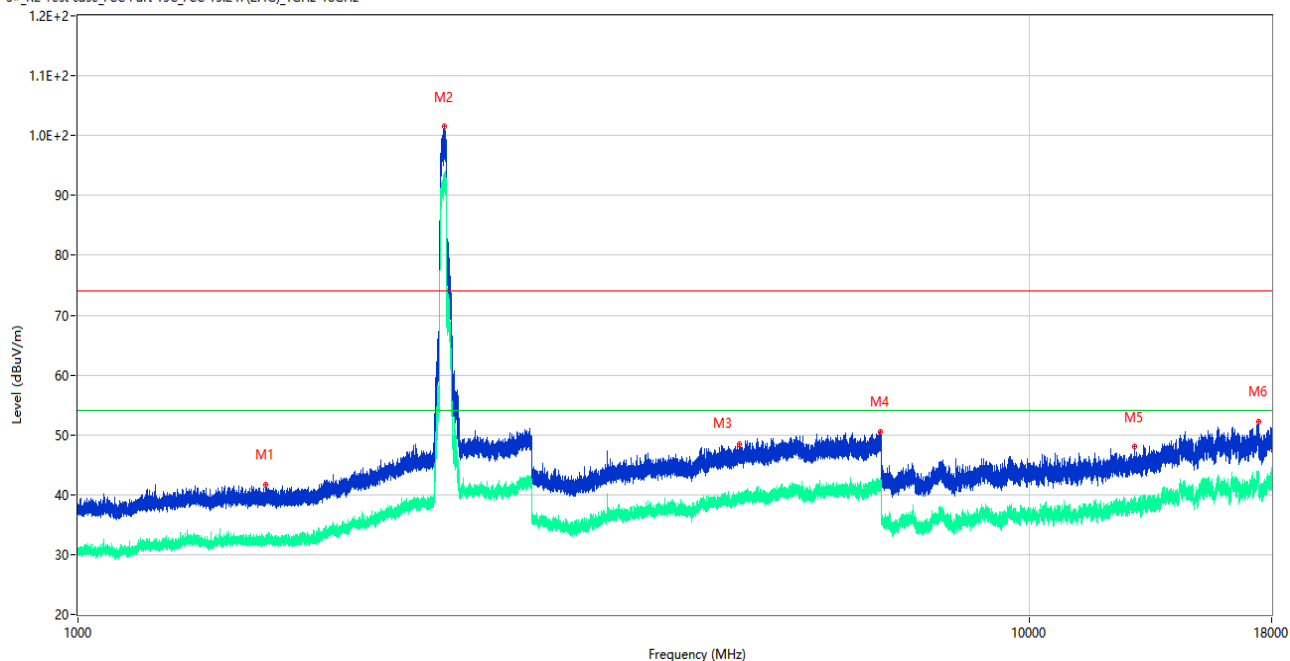
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1275.100	41.78	74.0	32.22	Peak	113.00	100	Horizontal	Pass
1**	1275.100	31.44	54.0	22.56	AV	113.00	100	Horizontal	Pass
2	2429.600	94.37	74.0	-20.37	Peak	311.00	200	Horizontal	N/A
2**	2429.600	86.12	54.0	-32.12	AV	311.00	200	Horizontal	N/A
3	4990.200	48.16	74.0	25.84	Peak	284.00	150	Horizontal	Pass
3**	4990.200	39.32	54.0	14.68	AV	284.00	150	Horizontal	Pass
4	6844.000	51.30	74.0	22.70	Peak	116.00	300	Horizontal	Pass
4**	6844.000	41.16	54.0	12.84	AV	116.00	300	Horizontal	Pass
5	12736.201	47.70	74.0	26.30	Peak	0.00	200	Horizontal	Pass
5**	12736.201	37.78	54.0	16.22	AV	0.00	200	Horizontal	Pass
6	17407.011	51.85	74.0	22.15	Peak	172.00	200	Horizontal	Pass
6**	17407.011	42.22	54.0	11.78	AV	172.00	200	Horizontal	Pass

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

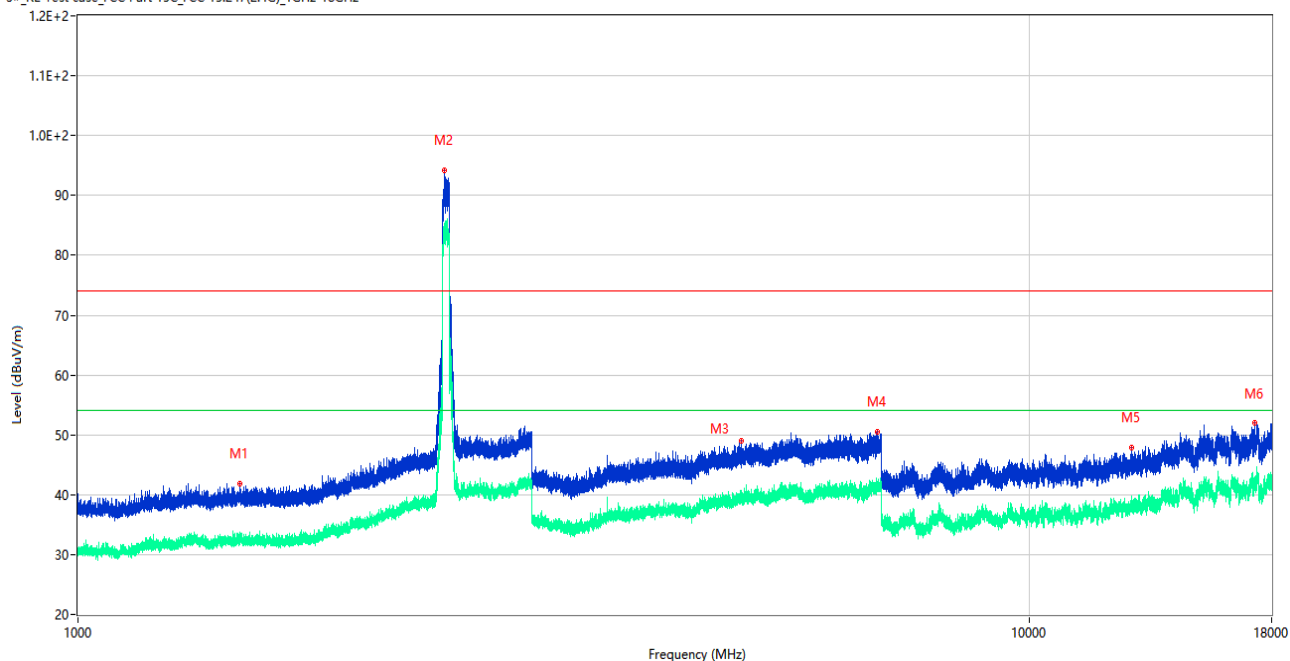
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.600	41.70	74.0	32.30	Peak	106.00	300	Vertical	Pass
1**	1574.600	31.86	54.0	22.14	AV	106.00	300	Vertical	Pass
2	2427.000	101.51	74.0	-27.51	Peak	338.00	150	Vertical	N/A
2**	2427.000	91.94	54.0	-37.94	AV	338.00	150	Vertical	N/A
3	4955.000	48.39	74.0	25.61	Peak	126.00	200	Vertical	Pass
3**	4955.000	40.40	54.0	13.60	AV	126.00	200	Vertical	Pass
4	6983.400	50.56	74.0	23.44	Peak	262.00	400	Vertical	Pass
4**	6983.400	41.66	54.0	12.34	AV	262.00	400	Vertical	Pass
5	12925.612	47.98	74.0	26.02	Peak	306.00	400	Vertical	Pass
5**	12925.612	38.39	54.0	15.61	AV	306.00	400	Vertical	Pass
6	17430.374	52.27	74.0	21.73	Peak	172.00	200	Vertical	Pass
6**	17430.374	42.59	54.0	11.41	AV	172.00	200	Vertical	Pass

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

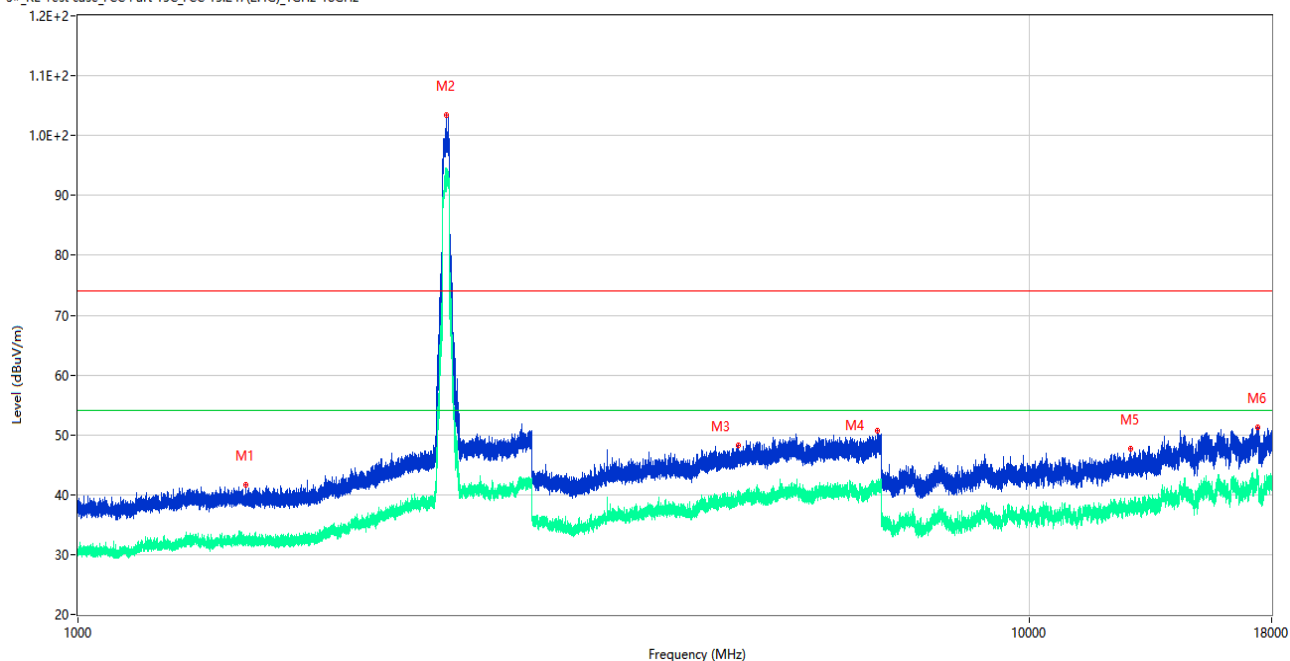
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.600	41.85	74.0	32.15	Peak	244.00	100	Horizontal	Pass
1**	1478.600	32.67	54.0	21.33	AV	244.00	100	Horizontal	Pass
2	2431.000	94.24	74.0	-20.24	Peak	309.00	200	Horizontal	N/A
2**	2431.000	84.18	54.0	-30.18	AV	309.00	200	Horizontal	N/A
3	4982.000	49.03	74.0	24.97	Peak	273.00	100	Horizontal	Pass
3**	4982.000	39.32	54.0	14.68	AV	273.00	100	Horizontal	Pass
4	6929.600	50.52	74.0	23.48	Peak	273.00	400	Horizontal	Pass
4**	6929.600	41.86	54.0	12.14	AV	273.00	400	Horizontal	Pass
5	12834.525	47.92	74.0	26.08	Peak	63.00	300	Horizontal	Pass
5**	12834.525	37.74	54.0	16.26	AV	63.00	300	Horizontal	Pass
6	17271.038	51.97	74.0	22.03	Peak	196.00	400	Horizontal	Pass
6**	17271.038	41.36	54.0	12.64	AV	196.00	400	Horizontal	Pass

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

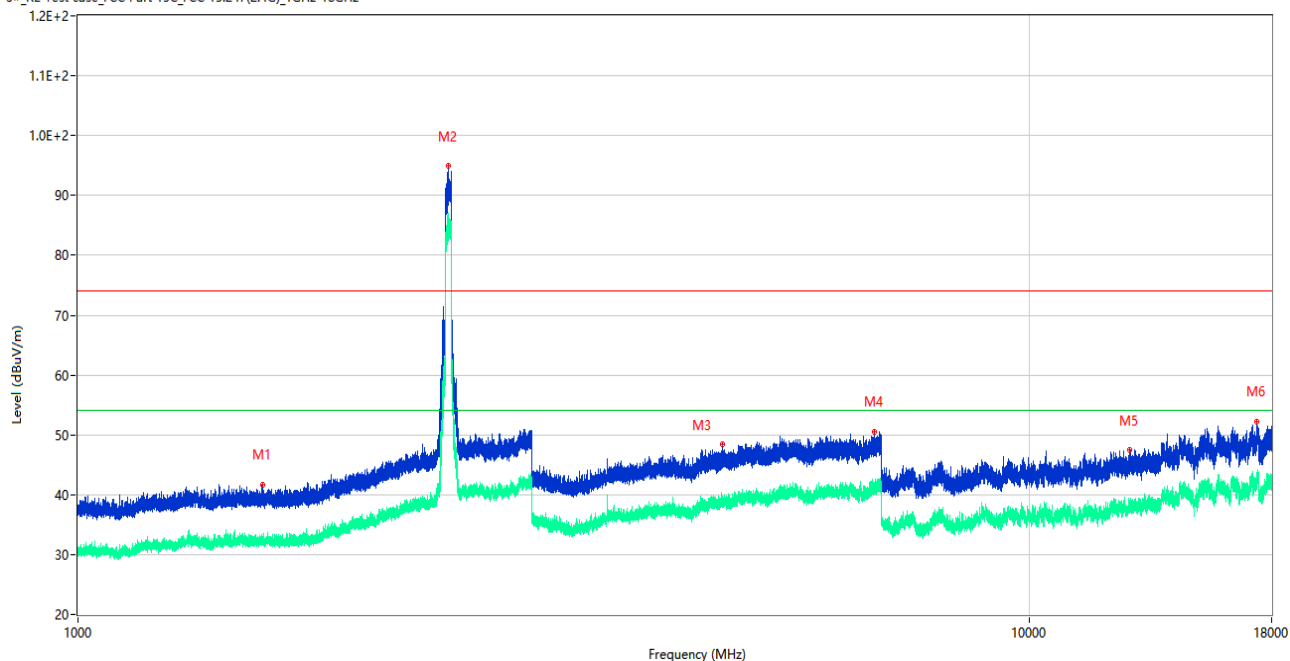
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.600	41.61	74.0	32.39	Peak	0.00	200	Vertical	Pass
1**	1500.600	31.67	54.0	22.33	AV	0.00	200	Vertical	Pass
2	2438.600	103.39	74.0	-29.39	Peak	186.00	150	Vertical	N/A
2**	2438.600	92.78	54.0	-38.78	AV	186.00	150	Vertical	N/A
3	4944.000	48.20	74.0	25.80	Peak	209.00	150	Vertical	Pass
3**	4944.000	39.71	54.0	14.29	AV	209.00	150	Vertical	Pass
4	6929.800	50.64	74.0	23.36	Peak	360.00	100	Vertical	Pass
4**	6929.800	42.05	54.0	11.95	AV	360.00	100	Vertical	Pass
5	12799.875	47.59	74.0	26.41	Peak	165.00	150	Vertical	Pass
5**	12799.875	37.45	54.0	16.55	AV	165.00	150	Vertical	Pass
6	17395.724	51.22	74.0	22.78	Peak	268.00	400	Vertical	Pass
6**	17395.724	42.73	54.0	11.27	AV	268.00	400	Vertical	Pass

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

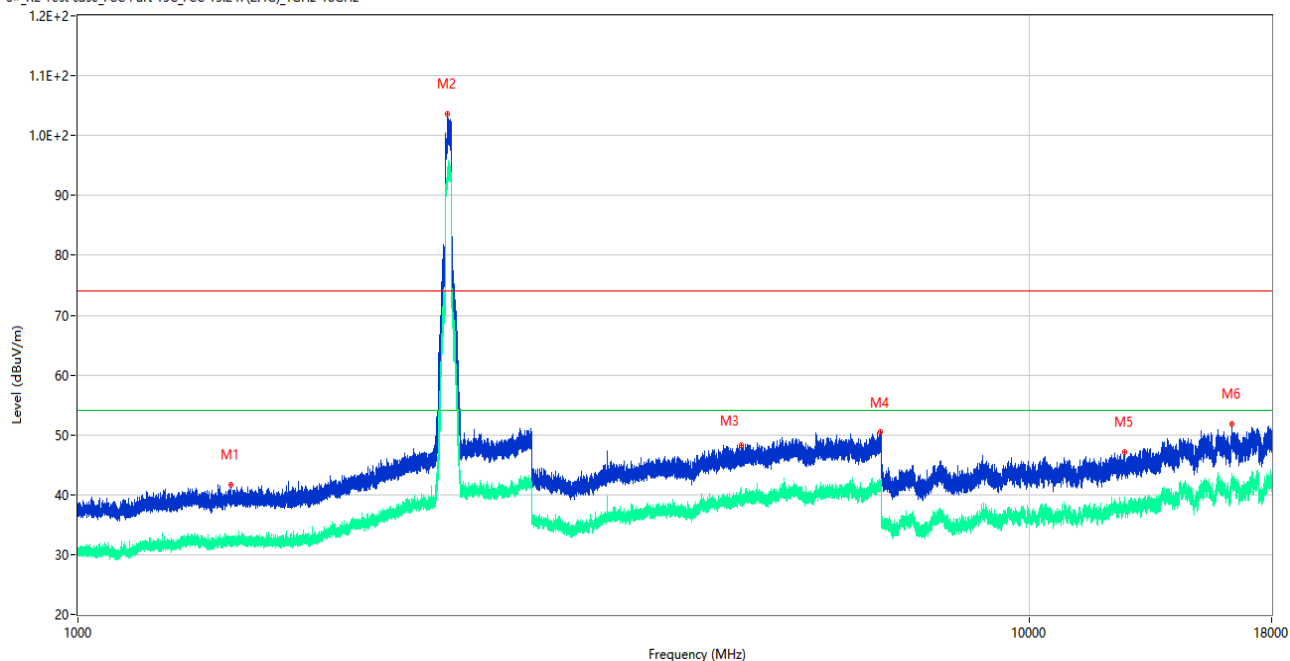
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.600	41.69	74.0	32.31	Peak	121.00	300	Horizontal	Pass
1**	1562.600	32.82	54.0	21.18	AV	121.00	300	Horizontal	Pass
2	2449.900	94.89	74.0	-20.89	Peak	114.00	150	Horizontal	N/A
2**	2449.900	85.10	54.0	-31.10	AV	114.00	150	Horizontal	N/A
3	4760.400	48.36	74.0	25.64	Peak	151.00	150	Horizontal	Pass
3**	4760.400	39.14	54.0	14.86	AV	151.00	150	Horizontal	Pass
4	6878.800	50.56	74.0	23.44	Peak	184.00	400	Horizontal	Pass
4**	6878.800	40.45	54.0	13.55	AV	184.00	400	Horizontal	Pass
5	12752.099	47.44	74.0	26.56	Peak	25.00	100	Horizontal	Pass
5**	12752.099	37.54	54.0	16.46	AV	25.00	100	Horizontal	Pass
6	17375.250	52.28	74.0	21.72	Peak	269.00	400	Horizontal	Pass
6**	17375.250	43.67	54.0	10.33	AV	269.00	400	Horizontal	Pass

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

3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.500	41.74	74.0	32.26	Peak	28.00	400	Vertical	Pass
1**	1449.500	32.59	54.0	21.41	AV	28.00	400	Vertical	Pass
2	2448.900	103.63	74.0	-29.63	Peak	339.00	100	Vertical	N/A
2**	2448.900	93.93	54.0	-39.93	AV	339.00	100	Vertical	N/A
3	4985.000	48.20	74.0	25.80	Peak	53.00	150	Vertical	Pass
3**	4985.000	39.09	54.0	14.91	AV	53.00	150	Vertical	Pass
4	6977.600	50.42	74.0	23.58	Peak	341.00	400	Vertical	Pass
4**	6977.600	41.59	54.0	12.41	AV	341.00	400	Vertical	Pass
5	12603.662	47.11	74.0	26.89	Peak	0.00	200	Vertical	Pass
5**	12603.662	38.21	54.0	15.79	AV	0.00	200	Vertical	Pass
6	16350.975	51.88	74.0	22.12	Peak	156.00	100	Vertical	Pass
6**	16350.975	41.88	54.0	12.12	AV	156.00	100	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.

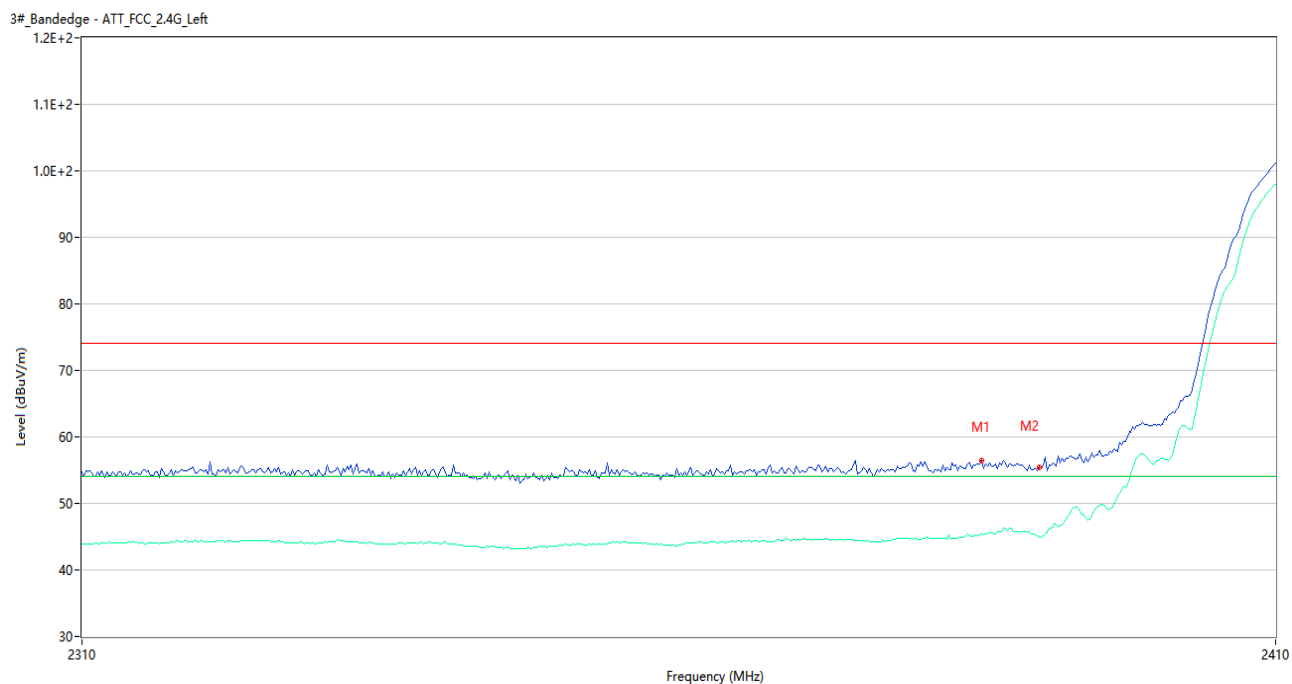
Note ⁵: All antenna were pre tested, but only the worst case has been reported in this report.

Note ⁶: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

MIMO

802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.000	56.52	74.0	17.48	Peak	97.00	100	Vertical	Pass
1**	2385.000	45.37	54.0	8.63	AV	97.00	100	Vertical	Pass
2	2389.833	55.35	74.0	18.65	Peak	28.00	200	Vertical	Pass
2**	2389.833	44.92	54.0	9.08	AV	28.00	200	Vertical	Pass