

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.

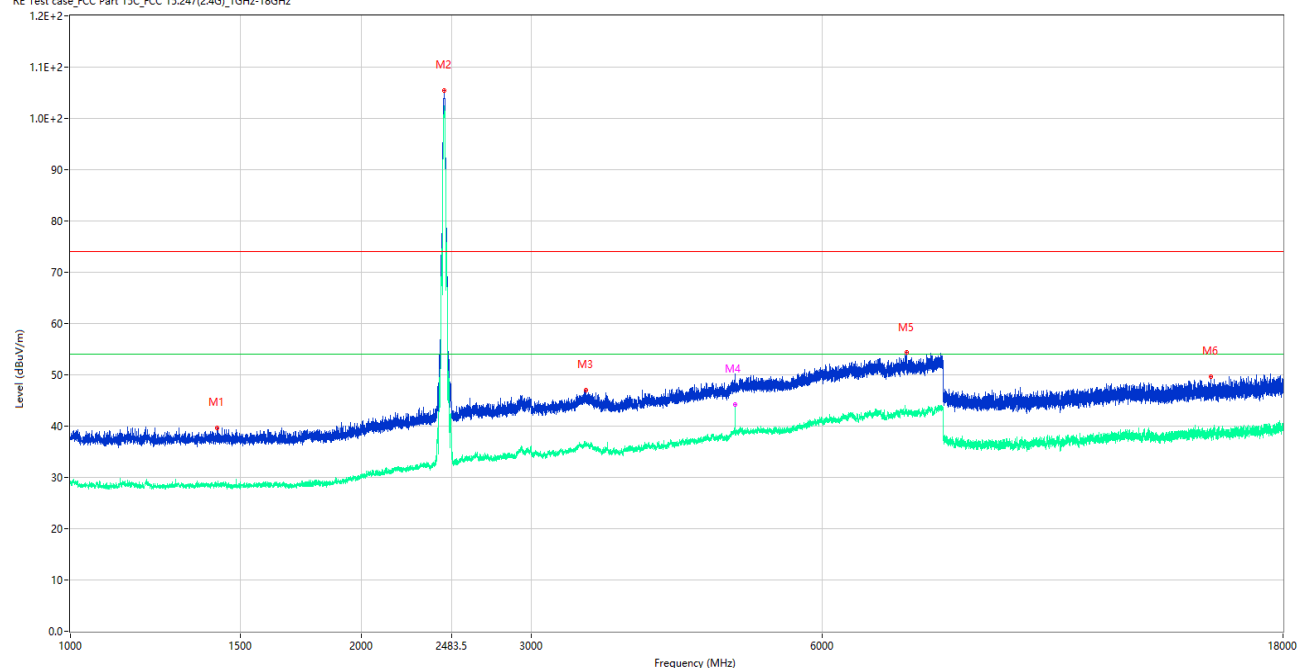
Note 3: All antenna were pre tested, but only the worst case has been reported in this report.

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

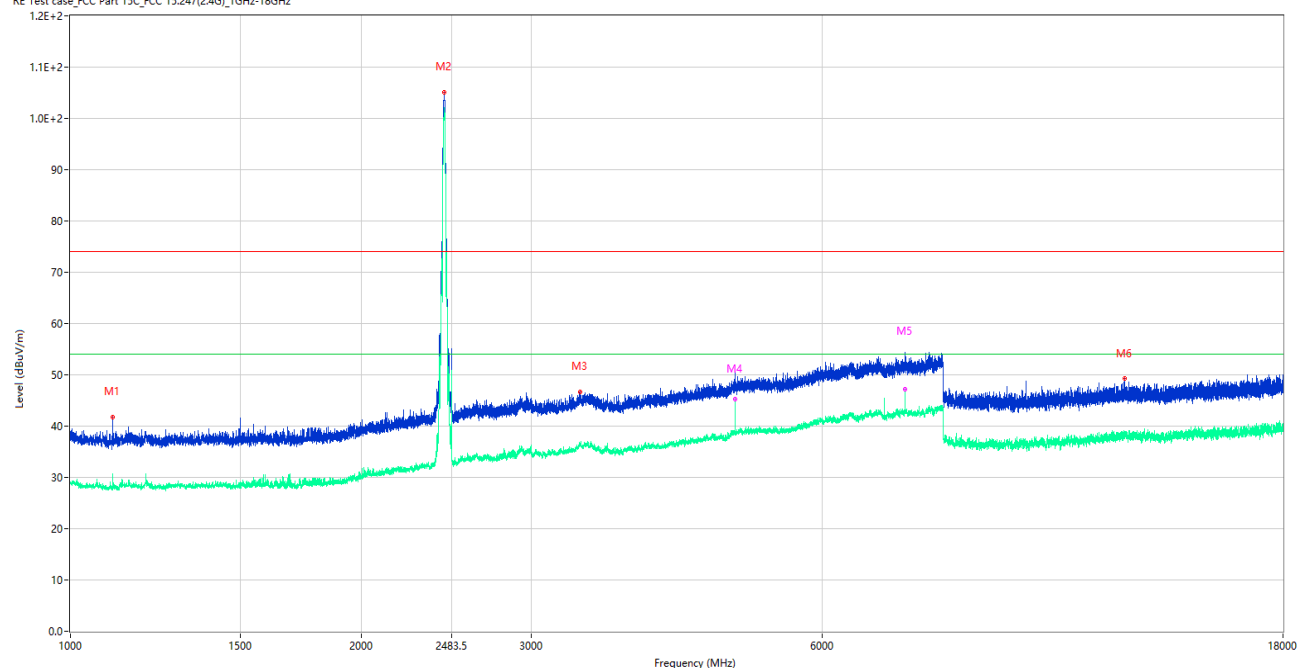
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1418.500	39.64	-15.90	74.0	34.36	Peak	316.00	150	Horizontal	Pass
1**	1418.500	28.25	-15.90	54.0	25.75	AV	316.00	150	Horizontal	Pass
2	2438.500	105.50	-12.37	74.0	-31.50	Peak	186.00	150	Horizontal	N/A
2**	2438.500	102.32	-12.37	54.0	-48.32	AV	186.00	150	Horizontal	N/A
3	3416.000	47.07	-5.14	74.0	26.93	Peak	360.00	150	Horizontal	Pass
3**	3416.000	36.36	-5.14	54.0	17.64	AV	360.00	150	Horizontal	Pass
4	4874.500	48.96	-2.25	74.0	25.04	Peak	250.00	150	Horizontal	Pass
4**	4874.500	44.24	-2.25	54.0	9.76	AV	250.00	150	Horizontal	Pass
5	7339.500	54.35	1.15	74.0	19.65	Peak	89.00	150	Horizontal	Pass
5**	7339.500	42.83	1.15	54.0	11.17	AV	89.00	150	Horizontal	Pass
6	15149.500	49.68	-2.92	74.0	24.32	Peak	360.00	150	Horizontal	Pass
6**	15149.500	39.38	-2.92	54.0	14.62	AV	360.00	150	Horizontal	Pass

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

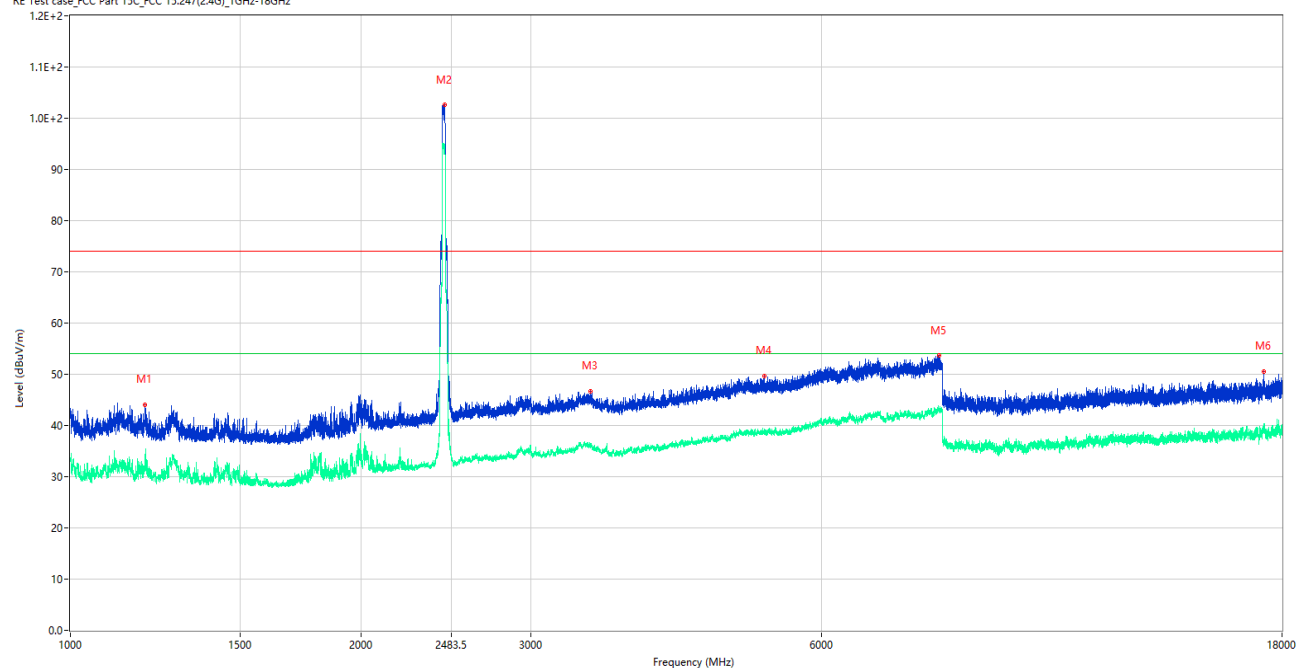
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1106.250	41.80	-15.76	74.0	32.20	Peak	121.00	150	Vertical	Pass
1**	1106.250	27.95	-15.76	54.0	26.05	AV	121.00	150	Vertical	Pass
2	2438.250	105.10	-12.38	74.0	-31.10	Peak	210.00	150	Vertical	N/A
2**	2438.250	101.81	-12.38	54.0	-47.81	AV	210.00	150	Vertical	N/A
3	3372.500	46.75	-4.81	74.0	27.25	Peak	300.00	150	Vertical	Pass
3**	3372.500	36.31	-4.81	54.0	17.69	AV	300.00	150	Vertical	Pass
4	4874.500	49.82	-2.25	74.0	24.18	Peak	310.00	150	Vertical	Pass
4**	4874.500	45.20	-2.25	54.0	8.80	AV	310.00	150	Vertical	Pass
5	7310.500	53.66	0.62	74.0	20.34	Peak	360.00	150	Vertical	Pass
5**	7310.500	47.15	0.62	54.0	6.85	AV	360.00	150	Vertical	Pass
6	12332.000	49.21	-2.30	74.0	24.79	Peak	0.00	150	Vertical	Pass
6**	12332.000	38.34	-2.30	54.0	15.66	AV	0.00	150	Vertical	Pass

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

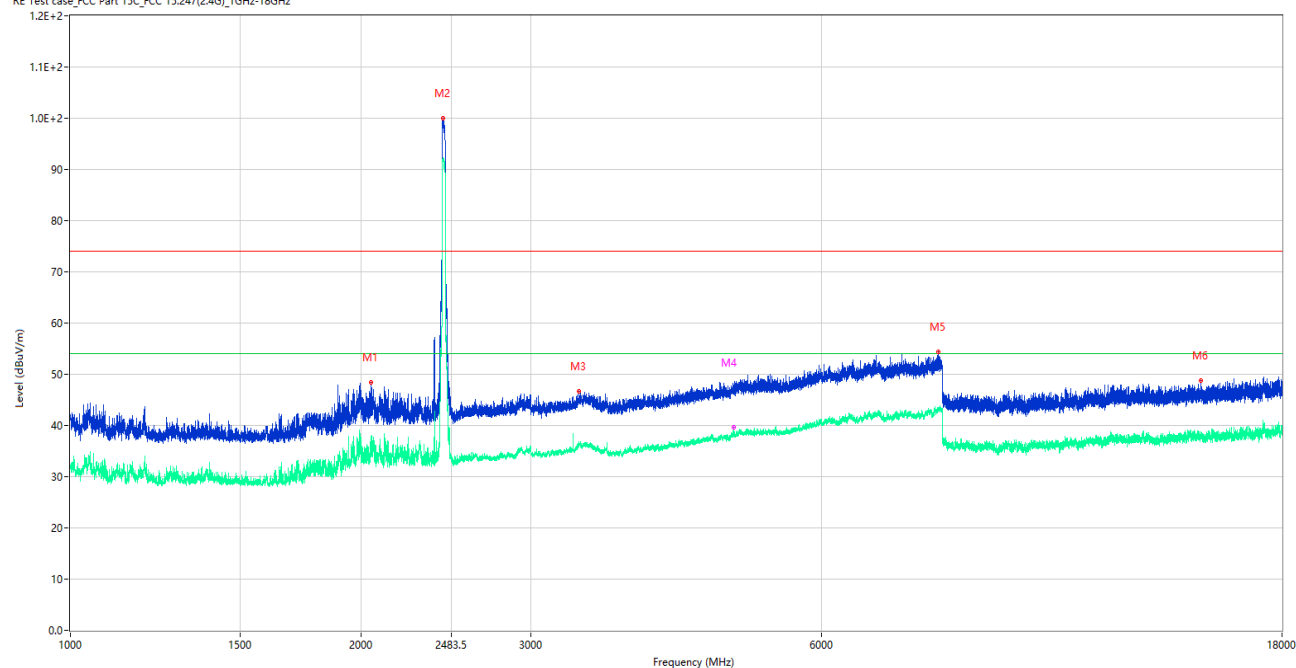
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1195.000	44.11	-15.75	74.0	29.89	Peak	163.00	150	Horizontal	Pass
1**	1195.000	32.19	-15.75	54.0	21.81	AV	163.00	150	Horizontal	Pass
2	2440.250	102.56	-12.37	74.0	-28.56	Peak	47.00	150	Horizontal	N/A
2**	2440.250	94.94	-12.37	54.0	-40.94	AV	47.00	150	Horizontal	N/A
3	3461.000	46.69	-4.96	74.0	27.31	Peak	140.00	150	Horizontal	Pass
3**	3461.000	36.14	-4.96	54.0	17.86	AV	140.00	150	Horizontal	Pass
4	5238.000	49.69	-2.24	74.0	24.31	Peak	321.00	150	Horizontal	Pass
4**	5238.000	38.64	-2.24	54.0	15.36	AV	321.00	150	Horizontal	Pass
5	7946.500	53.68	1.97	74.0	20.32	Peak	5.00	150	Horizontal	Pass
5**	7946.500	43.39	1.97	54.0	10.61	AV	5.00	150	Horizontal	Pass
6	17222.001	50.48	-0.82	74.0	23.52	Peak	68.00	150	Horizontal	Pass
6**	17222.001	38.76	-0.82	54.0	15.24	AV	68.00	150	Horizontal	Pass

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

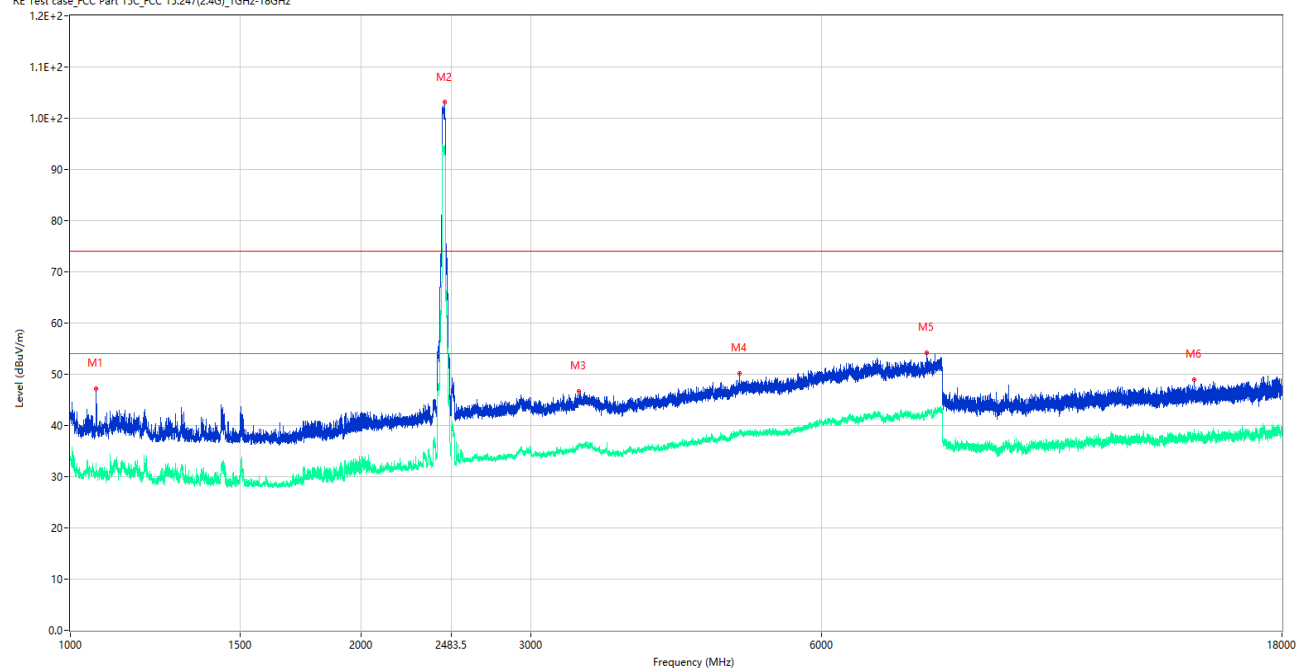
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2050.000	48.41	-13.66	74.0	25.59	Peak	99.00	150	Vertical	Pass
1**	2050.000	37.29	-13.66	54.0	16.71	AV	99.00	150	Vertical	Pass
2	2430.750	99.92	-12.27	74.0	-25.92	Peak	140.00	150	Vertical	N/A
2**	2430.750	92.07	-12.27	54.0	-38.07	AV	140.00	150	Vertical	N/A
3	3366.500	46.61	-5.05	74.0	27.39	Peak	148.00	150	Vertical	Pass
3**	3366.500	36.82	-5.05	54.0	17.18	AV	148.00	150	Vertical	Pass
4	4871.000	47.20	-2.19	74.0	26.80	Peak	39.00	150	Vertical	Pass
4**	4871.000	39.63	-2.19	54.0	14.37	AV	39.00	150	Vertical	Pass
5	7931.500	54.31	2.07	74.0	19.69	Peak	0.00	150	Vertical	Pass
5**	7931.500	42.90	2.07	54.0	11.10	AV	0.00	150	Vertical	Pass
6	14838.500	48.74	-0.22	74.0	25.26	Peak	60.00	150	Vertical	Pass
6**	14838.500	38.36	-0.22	54.0	15.64	AV	60.00	150	Vertical	Pass

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

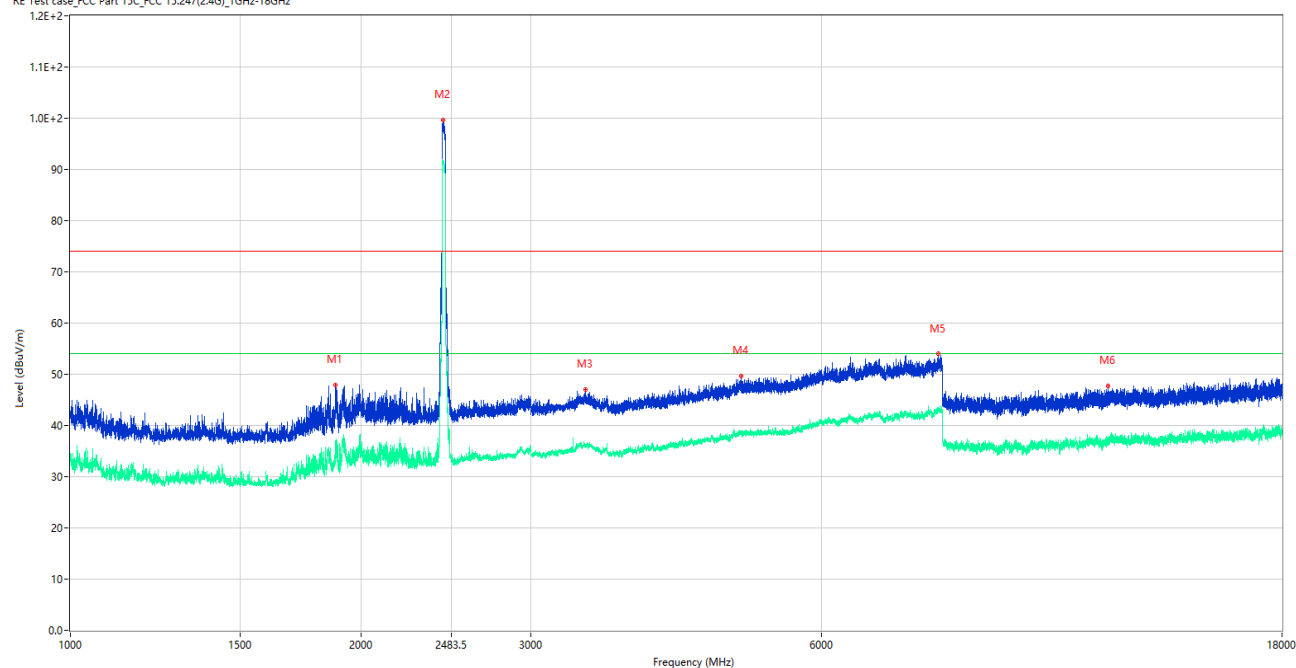
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1063.250	47.23	-15.23	74.0	26.77	Peak	185.00	150	Horizontal	Pass
1**	1063.250	30.24	-15.23	54.0	23.76	AV	185.00	150	Horizontal	Pass
2	2441.750	103.13	-12.42	74.0	-29.13	Peak	49.00	150	Horizontal	N/A
2**	2441.750	94.01	-12.42	54.0	-40.01	AV	49.00	150	Horizontal	N/A
3	3367.000	46.69	-5.05	74.0	27.31	Peak	278.00	150	Horizontal	Pass
3**	3367.000	36.07	-5.05	54.0	17.93	AV	278.00	150	Horizontal	Pass
4	4936.500	50.26	-1.97	74.0	23.74	Peak	20.00	150	Horizontal	Pass
4**	4936.500	39.15	-1.97	54.0	14.85	AV	20.00	150	Horizontal	Pass
5	7706.000	54.23	1.46	74.0	19.77	Peak	268.00	150	Horizontal	Pass
5**	7706.000	42.49	1.46	54.0	11.51	AV	268.00	150	Horizontal	Pass
6	14590.500	49.00	-2.17	74.0	25.00	Peak	119.00	150	Horizontal	Pass
6**	14590.500	38.28	-2.17	54.0	15.72	AV	119.00	150	Horizontal	Pass

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

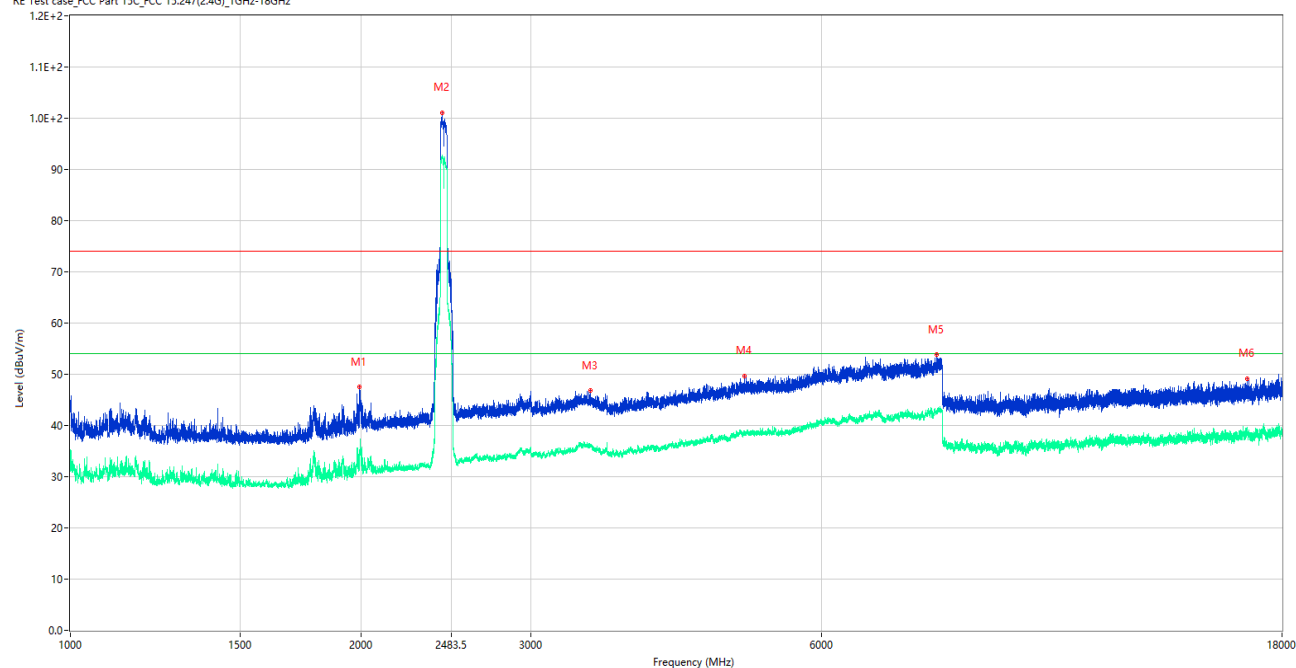
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1880.500	47.93	-15.34	74.0	26.07	Peak	139.00	150	Vertical	Pass
1**	1880.500	34.40	-15.34	54.0	19.60	AV	139.00	150	Vertical	Pass
2	2433.500	99.72	-12.31	74.0	-25.72	Peak	139.00	150	Vertical	N/A
2**	2433.500	91.07	-12.31	54.0	-37.07	AV	139.00	150	Vertical	N/A
3	3414.000	47.02	-5.27	74.0	26.98	Peak	261.00	150	Vertical	Pass
3**	3414.000	35.99	-5.27	54.0	18.01	AV	261.00	150	Vertical	Pass
4	4951.500	49.73	-1.69	74.0	24.27	Peak	1.00	150	Vertical	Pass
4**	4951.500	38.35	-1.69	54.0	15.65	AV	1.00	150	Vertical	Pass
5	7935.500	53.96	2.04	74.0	20.04	Peak	360.00	150	Vertical	Pass
5**	7935.500	42.91	2.04	54.0	11.09	AV	360.00	150	Vertical	Pass
6	11897.500	47.77	-3.57	74.0	26.23	Peak	270.00	150	Vertical	Pass
6**	11897.500	37.08	-3.57	54.0	16.92	AV	270.00	150	Vertical	Pass

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

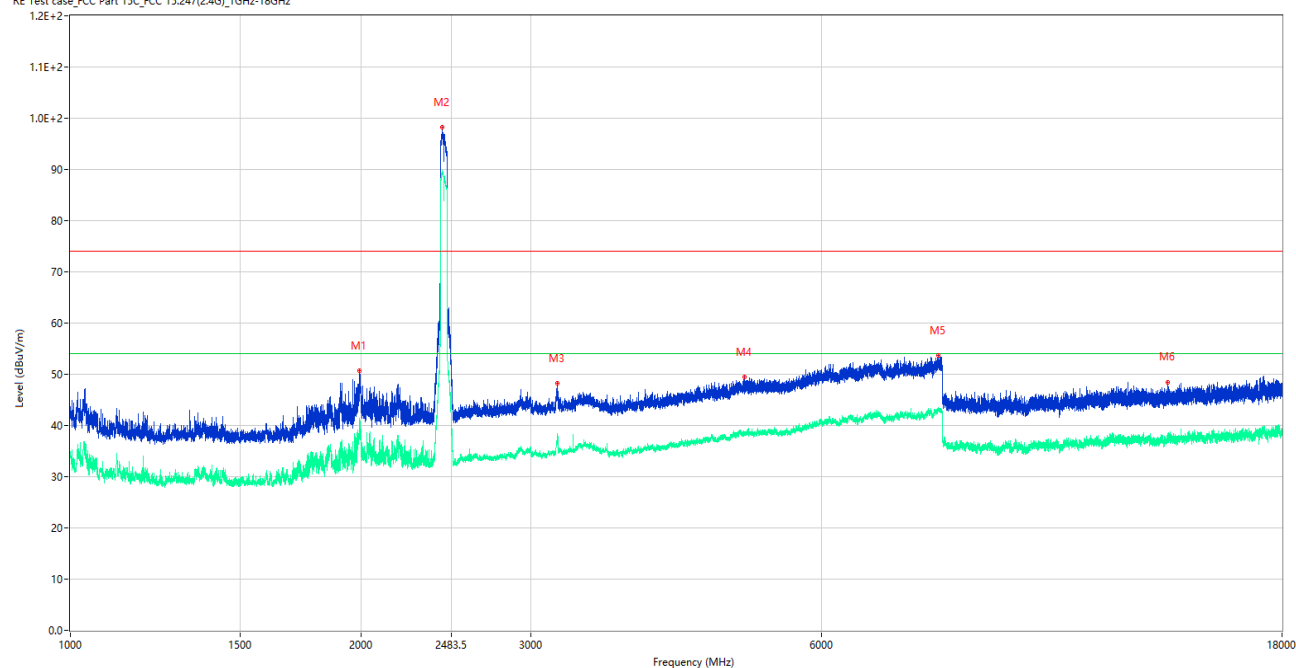
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1994.500	47.50	-14.57	74.0	26.50	Peak	156.00	150	Horizontal	Pass
1**	1994.500	33.29	-14.57	54.0	20.71	AV	156.00	150	Horizontal	Pass
2	2428.000	101.07	-12.27	74.0	-27.07	Peak	12.00	150	Horizontal	N/A
2**	2428.000	92.48	-12.27	54.0	-38.48	AV	12.00	150	Horizontal	N/A
3	3457.500	46.83	-4.92	74.0	27.17	Peak	94.00	150	Horizontal	Pass
3**	3457.500	36.02	-4.92	54.0	17.98	AV	94.00	150	Horizontal	Pass
4	4997.500	49.58	-2.23	74.0	24.42	Peak	214.00	150	Horizontal	Pass
4**	4997.500	38.13	-2.23	54.0	15.87	AV	214.00	150	Horizontal	Pass
5	7904.000	53.80	1.61	74.0	20.20	Peak	360.00	150	Horizontal	Pass
5**	7904.000	42.58	1.61	54.0	11.42	AV	360.00	150	Horizontal	Pass
6	16554.500	49.11	-0.86	74.0	24.89	Peak	38.00	150	Horizontal	Pass
6**	16554.500	38.51	-0.86	54.0	15.49	AV	38.00	150	Horizontal	Pass

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

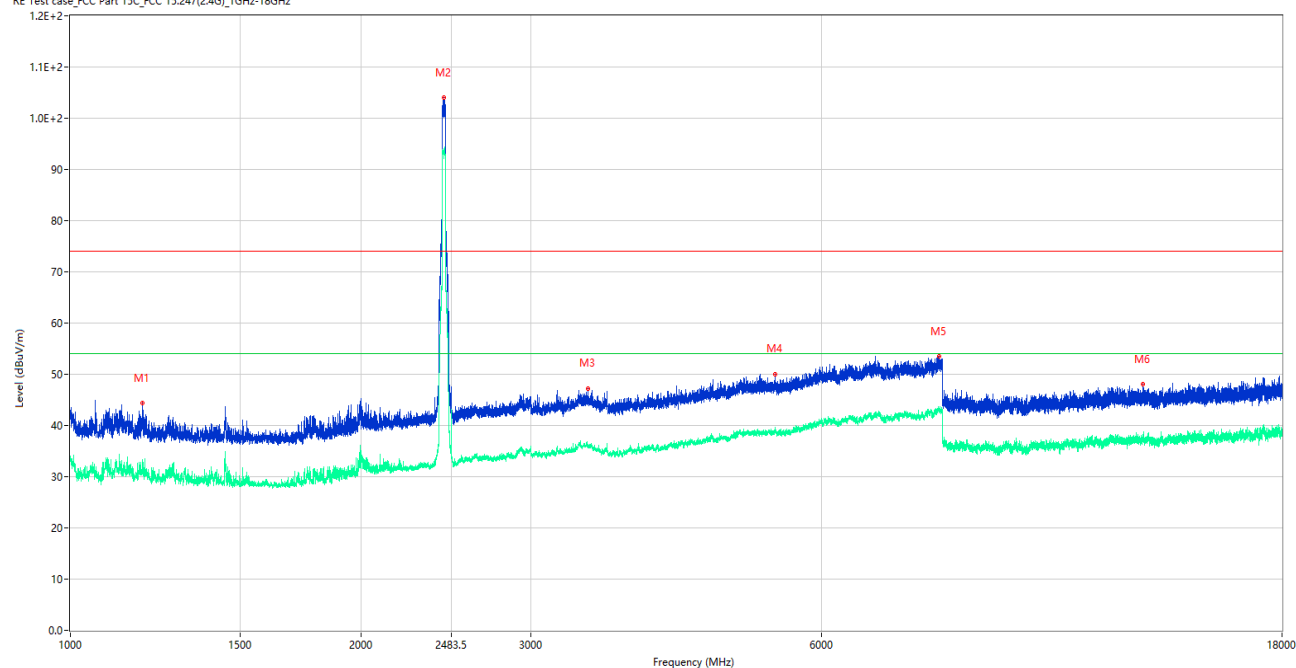
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1994.500	50.65	-14.57	74.0	23.35	Peak	100.00	150	Vertical	Pass
1**	1994.500	39.80	-14.57	54.0	14.20	AV	100.00	150	Vertical	Pass
2	2427.750	98.17	-12.28	74.0	-24.17	Peak	271.00	150	Vertical	N/A
2**	2427.750	89.72	-12.28	54.0	-35.72	AV	271.00	150	Vertical	N/A
3	3197.500	48.20	-7.78	74.0	25.80	Peak	100.00	150	Vertical	Pass
3**	3197.500	36.86	-7.78	54.0	17.14	AV	100.00	150	Vertical	Pass
4	4992.500	49.41	-2.31	74.0	24.59	Peak	40.00	150	Vertical	Pass
4**	4992.500	38.44	-2.31	54.0	15.56	AV	40.00	150	Vertical	Pass
5	7922.500	53.62	1.94	74.0	20.38	Peak	21.00	150	Vertical	Pass
5**	7922.500	43.26	1.94	54.0	10.74	AV	21.00	150	Vertical	Pass
6	13711.000	48.50	-2.40	74.0	25.50	Peak	350.00	150	Vertical	Pass
6**	13711.000	37.92	-2.40	54.0	16.08	AV	350.00	150	Vertical	Pass

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

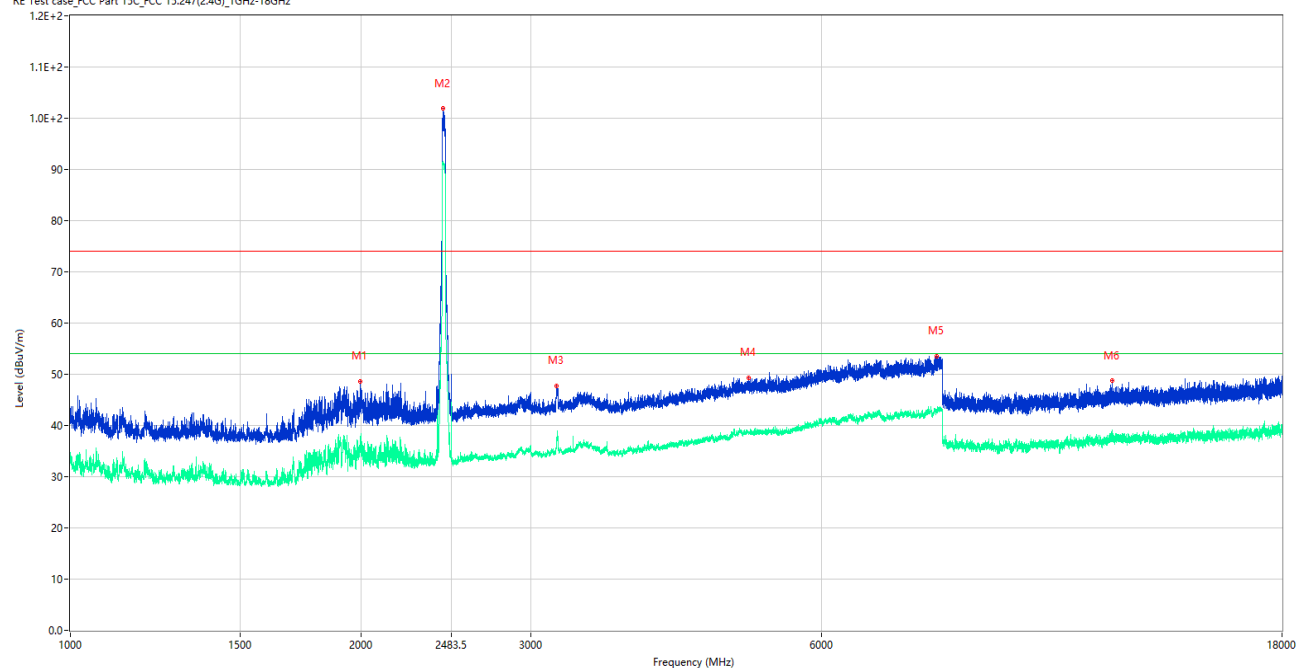
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.000	44.32	-15.90	74.0	29.68	Peak	132.00	150	Horizontal	Pass
1**	1188.000	33.11	-15.90	54.0	20.89	AV	132.00	150	Horizontal	Pass
2	2436.000	103.97	-12.33	74.0	-29.97	Peak	14.00	150	Horizontal	N/A
2**	2436.000	92.99	-12.33	54.0	-38.99	AV	14.00	150	Horizontal	N/A
3	3440.500	47.22	-5.28	74.0	26.78	Peak	158.00	150	Horizontal	Pass
3**	3440.500	35.88	-5.28	54.0	18.12	AV	158.00	150	Horizontal	Pass
4	5370.000	50.08	-1.87	74.0	23.92	Peak	0.00	150	Horizontal	Pass
4**	5370.000	38.52	-1.87	54.0	15.48	AV	0.00	150	Horizontal	Pass
5	7941.500	53.49	1.90	74.0	20.51	Peak	315.00	150	Horizontal	Pass
5**	7941.500	42.48	1.90	54.0	11.52	AV	315.00	150	Horizontal	Pass
6	12927.500	48.02	-2.49	74.0	25.98	Peak	1.00	150	Horizontal	Pass
6**	12927.500	37.64	-2.49	54.0	16.36	AV	1.00	150	Horizontal	Pass

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

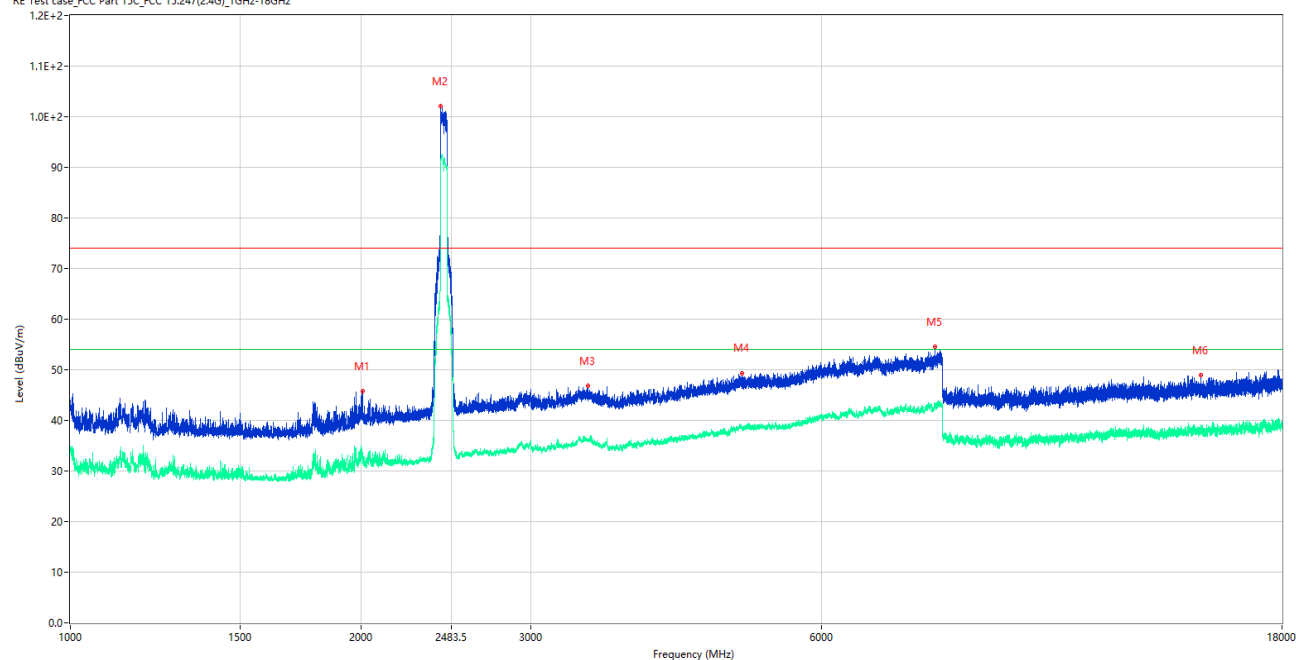
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1996.500	48.56	-14.47	74.0	25.44	Peak	131.00	150	Vertical	Pass
1**	1996.500	34.79	-14.47	54.0	19.21	AV	131.00	150	Vertical	Pass
2	2432.250	101.85	-12.29	74.0	-27.85	Peak	277.00	150	Vertical	N/A
2**	2432.250	91.37	-12.29	54.0	-37.37	AV	277.00	150	Vertical	N/A
3	3188.500	47.74	-7.59	74.0	26.26	Peak	105.00	150	Vertical	Pass
3**	3188.500	37.80	-7.59	54.0	16.20	AV	105.00	150	Vertical	Pass
4	5038.500	49.33	-2.38	74.0	24.67	Peak	283.00	150	Vertical	Pass
4**	5038.500	38.33	-2.38	54.0	15.67	AV	283.00	150	Vertical	Pass
5	7903.000	53.58	1.60	74.0	20.42	Peak	272.00	150	Vertical	Pass
5**	7903.000	43.03	1.60	54.0	10.97	AV	272.00	150	Vertical	Pass
6	12012.000	48.74	-3.03	74.0	25.26	Peak	327.00	150	Vertical	Pass
6**	12012.000	39.04	-3.03	54.0	14.96	AV	327.00	150	Vertical	Pass

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

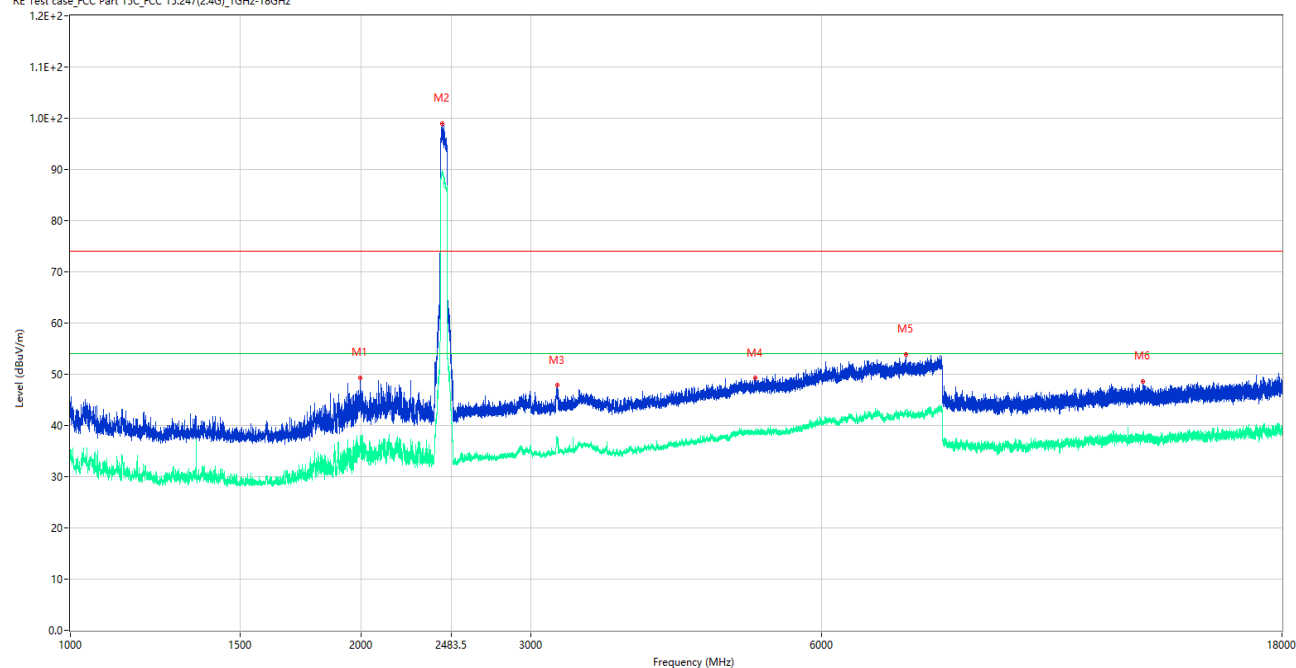
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2008.250	45.77	-14.25	74.0	28.23	Peak	158.00	150	Horizontal	Pass
1**	2008.250	32.47	-14.25	54.0	21.53	AV	158.00	150	Horizontal	Pass
2	2418.500	102.09	-12.44	74.0	-28.09	Peak	12.00	150	Horizontal	N/A
2**	2418.500	90.20	-12.44	54.0	-36.20	AV	12.00	150	Horizontal	N/A
3	3438.500	46.77	-5.30	74.0	27.23	Peak	162.00	150	Horizontal	Pass
3**	3438.500	36.10	-5.30	54.0	17.90	AV	162.00	150	Horizontal	Pass
4	4969.000	49.32	-2.46	74.0	24.68	Peak	22.00	150	Horizontal	Pass
4**	4969.000	38.14	-2.46	54.0	15.86	AV	22.00	150	Horizontal	Pass
5	7866.500	54.48	1.78	74.0	19.52	Peak	93.00	150	Horizontal	Pass
5**	7866.500	42.84	1.78	54.0	11.16	AV	93.00	150	Horizontal	Pass
6	14841.500	48.91	-0.38	74.0	25.09	Peak	0.00	150	Horizontal	Pass
6**	14841.500	38.58	-0.38	54.0	15.42	AV	0.00	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

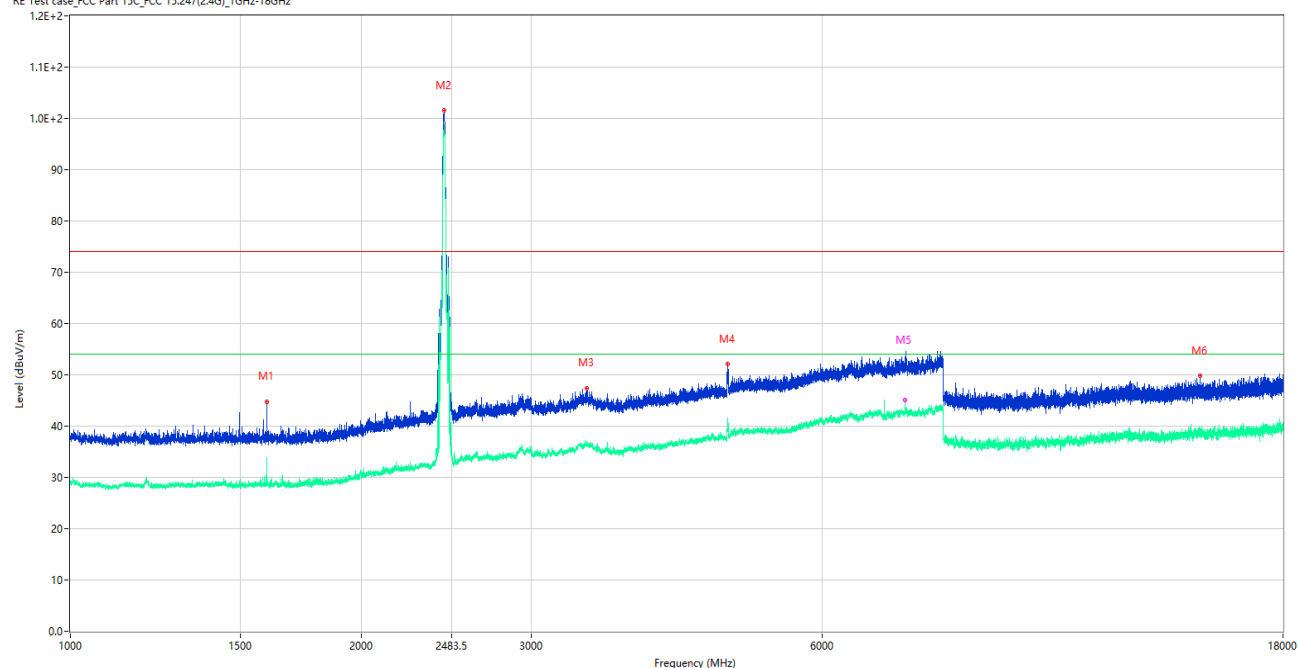


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1995.500	49.34	-14.53	74.0	24.66	Peak	136.00	150	Vertical	Pass
1**	1995.500	34.72	-14.53	54.0	19.28	AV	136.00	150	Vertical	Pass
2	2427.750	99.02	-12.28	74.0	-25.02	Peak	172.00	150	Vertical	N/A
2**	2427.750	89.22	-12.28	54.0	-35.22	AV	172.00	150	Vertical	N/A
3	3192.500	47.81	-7.70	74.0	26.19	Peak	96.00	150	Vertical	Pass
3**	3192.500	36.25	-7.70	54.0	17.75	AV	96.00	150	Vertical	Pass
4	5120.000	49.23	-2.27	74.0	24.77	Peak	354.00	150	Vertical	Pass
4**	5120.000	38.91	-2.27	54.0	15.09	AV	354.00	150	Vertical	Pass
5	7346.000	53.88	1.12	74.0	20.12	Peak	38.00	150	Vertical	Pass
5**	7346.000	42.43	1.12	54.0	11.57	AV	38.00	150	Vertical	Pass
6	12921.500	48.66	-2.39	74.0	25.34	Peak	148.00	150	Vertical	Pass
6**	12921.500	38.16	-2.39	54.0	15.84	AV	148.00	150	Vertical	Pass

Aux. Antenna

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

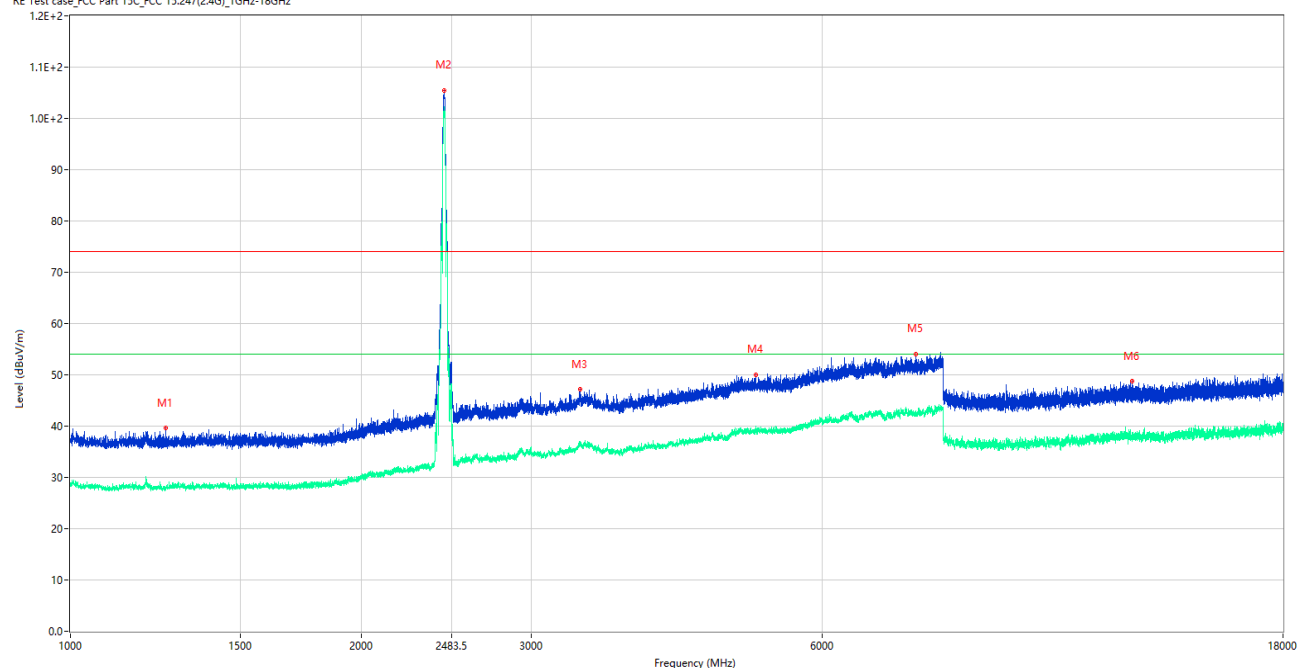
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.750	44.82	-16.22	74.0	29.18	Peak	271.00	150	Vertical	Pass
1**	1596.750	28.88	-16.22	54.0	25.12	AV	271.00	150	Vertical	Pass
2	2438.000	101.53	-12.38	74.0	-27.53	Peak	347.00	150	Vertical	N/A
2**	2438.000	98.57	-12.38	54.0	-44.57	AV	347.00	150	Vertical	N/A
3	3426.500	47.40	-4.93	74.0	26.60	Peak	0.00	150	Vertical	Pass
3**	3426.500	36.14	-4.93	54.0	17.86	AV	0.00	150	Vertical	Pass
4	4790.500	52.09	-3.10	74.0	21.91	Peak	157.00	150	Vertical	Pass
4**	4790.500	40.42	-3.10	54.0	13.58	AV	157.00	150	Vertical	Pass
5	7310.500	52.14	0.62	74.0	21.86	Peak	0.00	150	Vertical	Pass
5**	7310.500	45.05	0.62	54.0	8.95	AV	0.00	150	Vertical	Pass
6	14772.500	49.75	-0.85	74.0	24.25	Peak	360.00	150	Vertical	Pass
6**	14772.500	39.03	-0.85	54.0	14.97	AV	360.00	150	Vertical	Pass

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

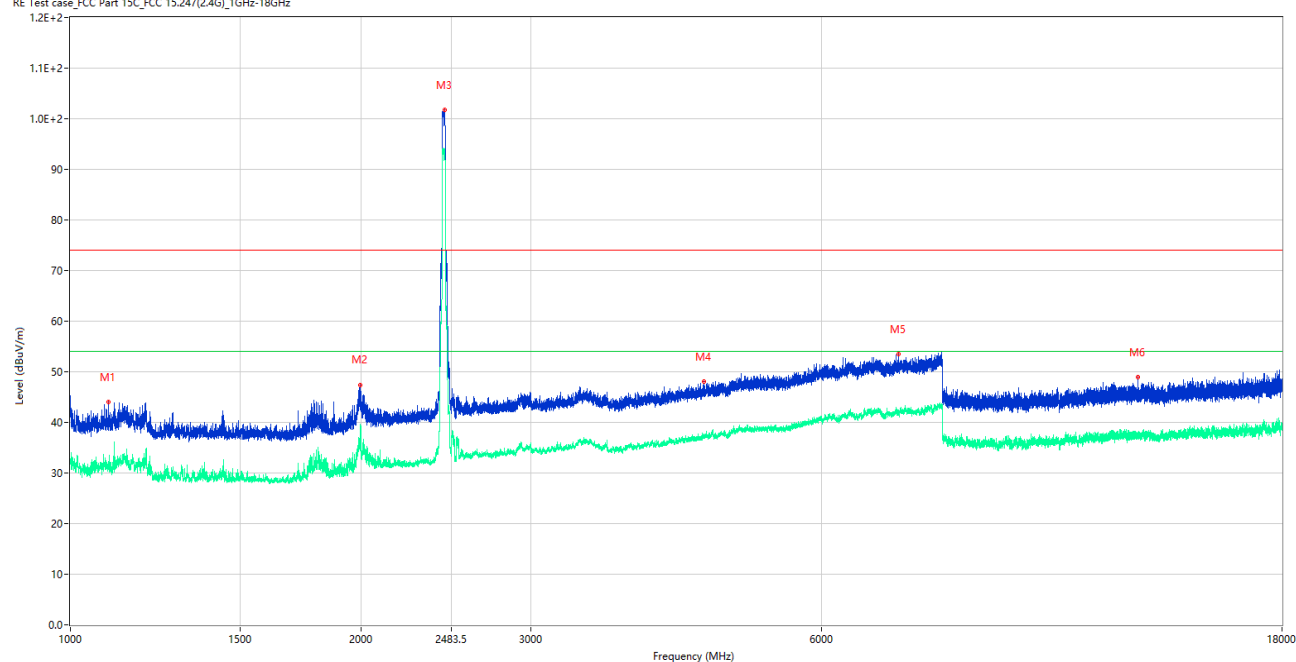
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1256.000	39.62	-16.11	74.0	34.38	Peak	104.00	150	Horizontal	Pass
1**	1256.000	27.79	-16.11	54.0	26.21	AV	104.00	150	Horizontal	Pass
2	2438.250	105.47	-12.38	74.0	-31.47	Peak	207.00	150	Horizontal	N/A
2**	2438.250	102.14	-12.38	54.0	-48.14	AV	207.00	150	Horizontal	N/A
3	3371.500	47.19	-4.84	74.0	26.81	Peak	240.00	150	Horizontal	Pass
3**	3371.500	36.61	-4.84	54.0	17.39	AV	240.00	150	Horizontal	Pass
4	5127.000	50.03	-2.25	74.0	23.97	Peak	170.00	150	Horizontal	Pass
4**	5127.000	39.01	-2.25	54.0	14.99	AV	170.00	150	Horizontal	Pass
5	7495.500	54.06	0.50	74.0	19.94	Peak	360.00	150	Horizontal	Pass
5**	7495.500	42.01	0.50	54.0	11.99	AV	360.00	150	Horizontal	Pass
6	12571.500	48.72	-2.89	74.0	25.28	Peak	0.00	150	Horizontal	Pass
6**	12571.500	38.04	-2.89	54.0	15.96	AV	0.00	150	Horizontal	Pass

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

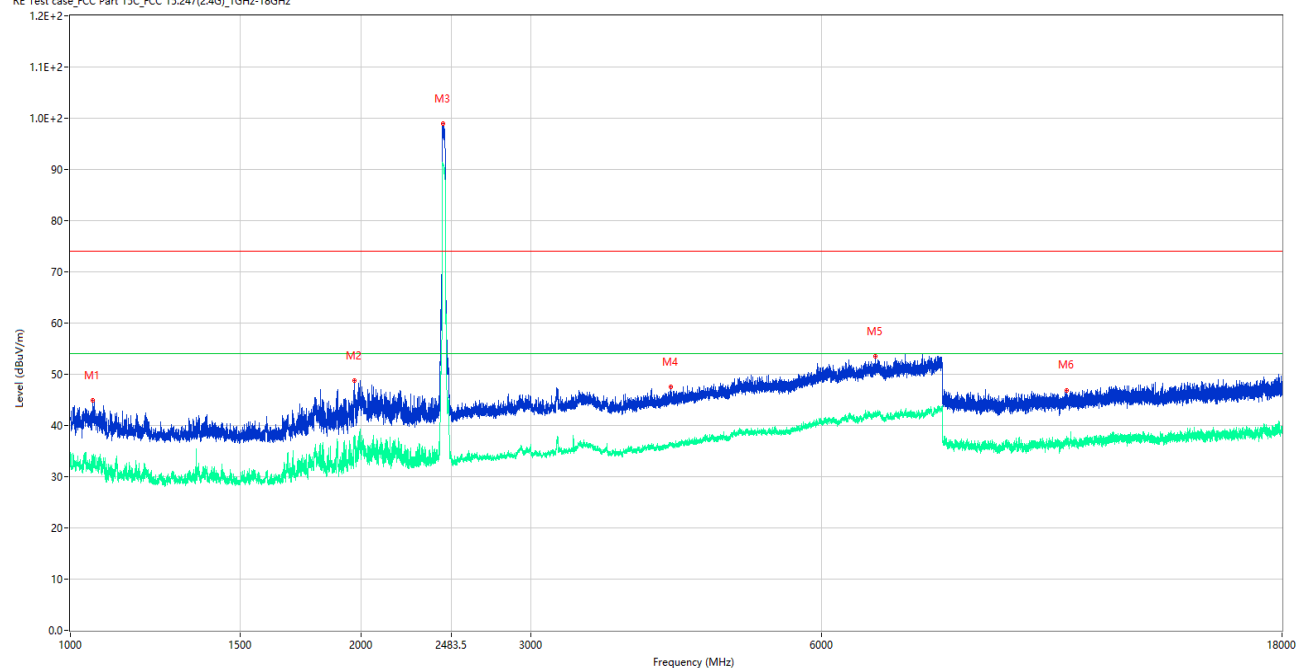
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1096.000	43.96	-15.79	74.0	30.04	Peak	245.00	150	Horizontal	Pass
1**	1096.000	31.13	-15.79	54.0	22.87	AV	245.00	150	Horizontal	Pass
2	1998.250	47.43	-14.38	74.0	26.57	Peak	170.00	150	Horizontal	Pass
2**	1998.250	35.97	-14.38	54.0	18.03	AV	170.00	150	Horizontal	Pass
3	2441.750	101.68	-12.42	74.0	-27.68	Peak	46.00	150	Horizontal	N/A
3**	2441.750	93.11	-12.42	54.0	-39.11	AV	46.00	150	Horizontal	N/A
4	4537.000	48.11	-2.90	74.0	25.89	Peak	0.00	150	Horizontal	Pass
4**	4537.000	37.31	-2.90	54.0	16.69	AV	0.00	150	Horizontal	Pass
5	7207.500	53.44	0.83	74.0	20.56	Peak	160.00	150	Horizontal	Pass
5**	7207.500	42.31	0.83	54.0	11.69	AV	160.00	150	Horizontal	Pass
6	12772.000	48.88	-3.15	74.0	25.12	Peak	321.00	150	Horizontal	Pass
6**	12772.000	37.91	-3.15	54.0	16.09	AV	321.00	150	Horizontal	Pass

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

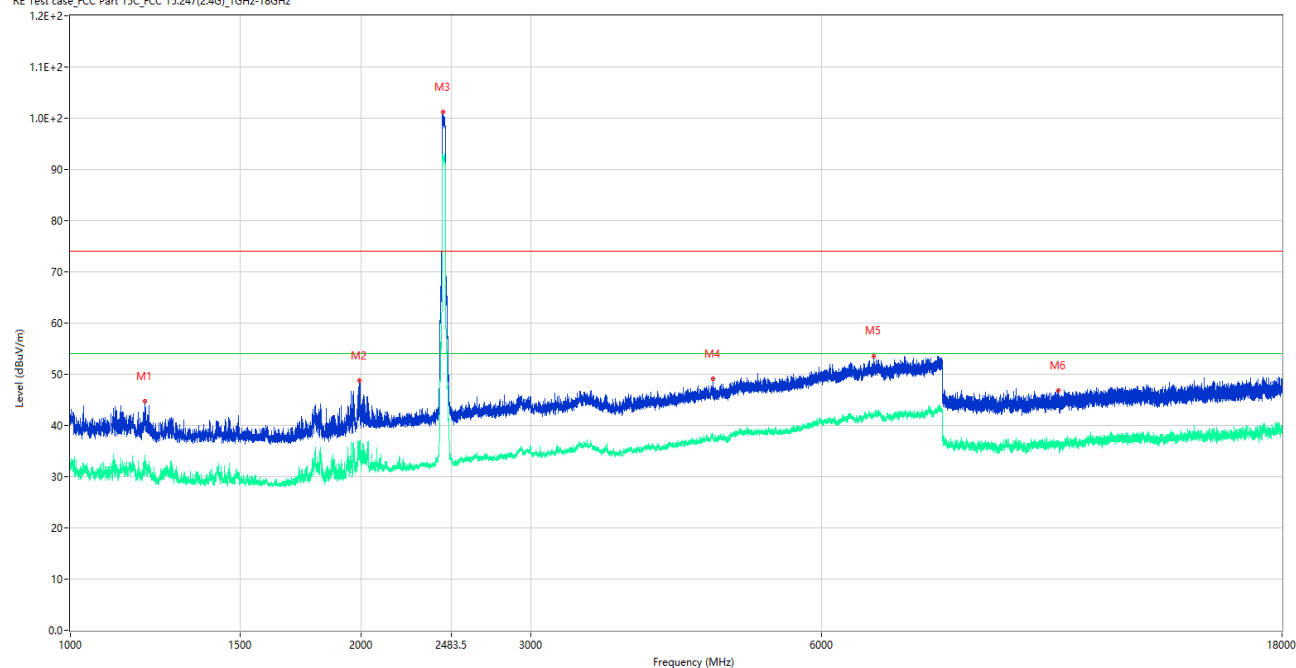
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1055.750	44.83	-15.38	74.0	29.17	Peak	204.00	150	Vertical	Pass
1**	1055.750	34.05	-15.38	54.0	19.95	AV	204.00	150	Vertical	Pass
2	1969.750	48.75	-14.80	74.0	25.25	Peak	94.00	150	Vertical	Pass
2**	1969.750	37.61	-14.80	54.0	16.39	AV	94.00	150	Vertical	Pass
3	2431.000	98.89	-12.27	74.0	-24.89	Peak	140.00	150	Vertical	N/A
3**	2431.000	91.03	-12.27	54.0	-37.03	AV	140.00	150	Vertical	N/A
4	4189.000	47.47	-3.74	74.0	26.53	Peak	242.00	150	Vertical	Pass
4**	4189.000	36.02	-3.74	54.0	17.98	AV	242.00	150	Vertical	Pass
5	6818.000	53.43	0.36	74.0	20.57	Peak	182.00	150	Vertical	Pass
5**	6818.000	42.07	0.36	54.0	11.93	AV	182.00	150	Vertical	Pass
6	10776.500	46.76	-2.95	74.0	27.24	Peak	95.00	150	Vertical	Pass
6**	10776.500	36.83	-2.95	54.0	17.17	AV	95.00	150	Vertical	Pass

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

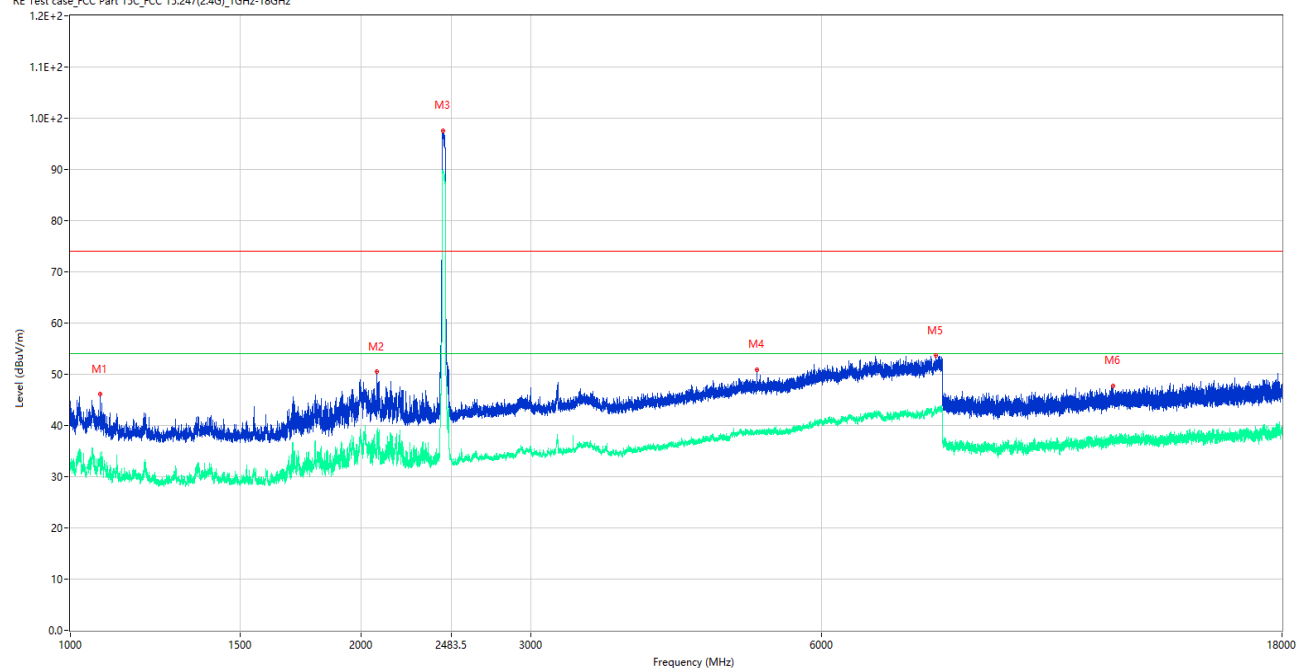
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.000	44.68	-15.76	74.0	29.32	Peak	139.00	150	Horizontal	Pass
1**	1194.000	31.28	-15.76	54.0	22.72	AV	139.00	150	Horizontal	Pass
2	1994.500	48.74	-14.57	74.0	25.26	Peak	152.00	150	Horizontal	Pass
2**	1994.500	36.56	-14.57	54.0	17.44	AV	152.00	150	Horizontal	Pass
3	2430.750	101.22	-12.27	74.0	-27.22	Peak	11.00	150	Horizontal	N/A
3**	2430.750	92.50	-12.27	54.0	-38.50	AV	11.00	150	Horizontal	N/A
4	4631.000	49.18	-2.68	74.0	24.82	Peak	82.00	150	Horizontal	Pass
4**	4631.000	37.33	-2.68	54.0	16.67	AV	82.00	150	Horizontal	Pass
5	6794.500	53.59	0.39	74.0	20.41	Peak	2.00	150	Horizontal	Pass
5**	6794.500	42.02	0.39	54.0	11.98	AV	2.00	150	Horizontal	Pass
6	10566.500	46.92	-3.22	74.0	27.08	Peak	301.00	150	Horizontal	Pass
6**	10566.500	36.69	-3.22	54.0	17.31	AV	301.00	150	Horizontal	Pass

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

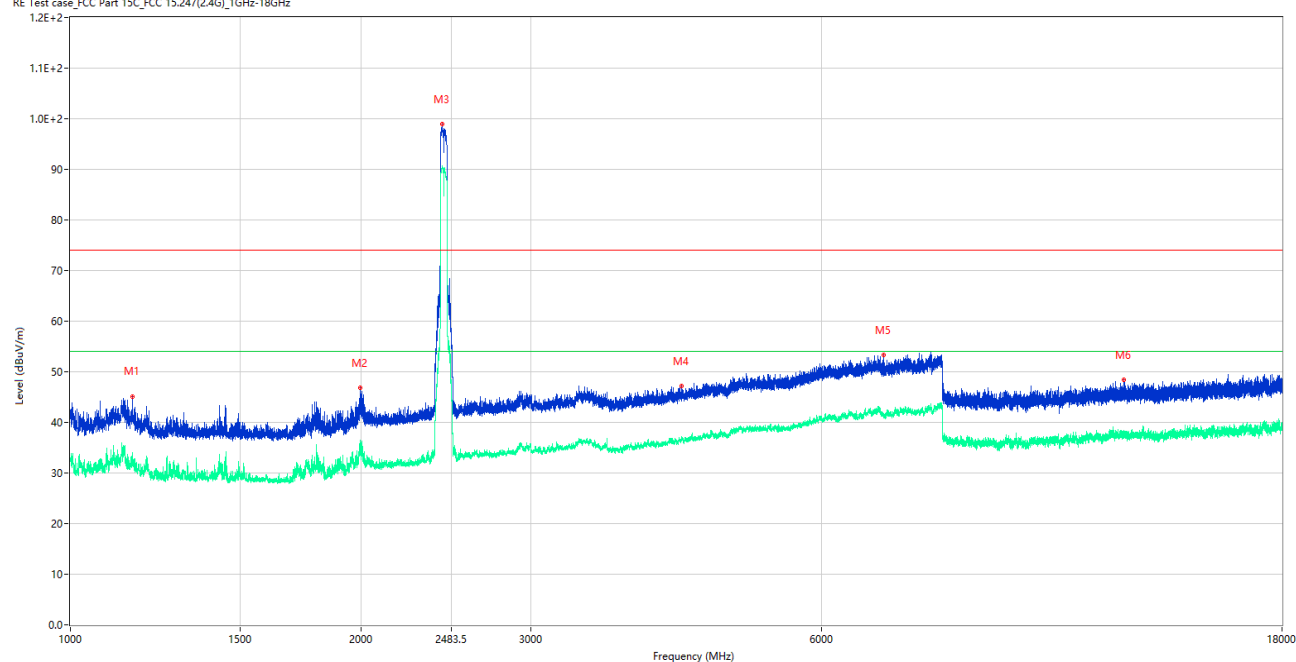
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1074.250	46.07	-15.35	74.0	27.93	Peak	169.00	150	Vertical	Pass
1**	1074.250	33.90	-15.35	54.0	20.10	AV	169.00	150	Vertical	Pass
2	2077.500	50.45	-13.80	74.0	23.55	Peak	98.00	150	Vertical	Pass
2**	2077.500	36.25	-13.80	54.0	17.75	AV	98.00	150	Vertical	Pass
3	2432.250	97.60	-12.29	74.0	-23.60	Peak	274.00	150	Vertical	N/A
3**	2432.250	89.74	-12.29	54.0	-35.74	AV	274.00	150	Vertical	N/A
4	5139.500	50.96	-2.36	74.0	23.04	Peak	107.00	150	Vertical	Pass
4**	5139.500	38.37	-2.36	54.0	15.63	AV	107.00	150	Vertical	Pass
5	7888.000	53.61	1.40	74.0	20.39	Peak	0.00	150	Vertical	Pass
5**	7888.000	42.56	1.40	54.0	11.44	AV	0.00	150	Vertical	Pass
6	12021.500	47.64	-2.85	74.0	26.36	Peak	360.00	150	Vertical	Pass
6**	12021.500	37.08	-2.85	54.0	16.92	AV	360.00	150	Vertical	Pass

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

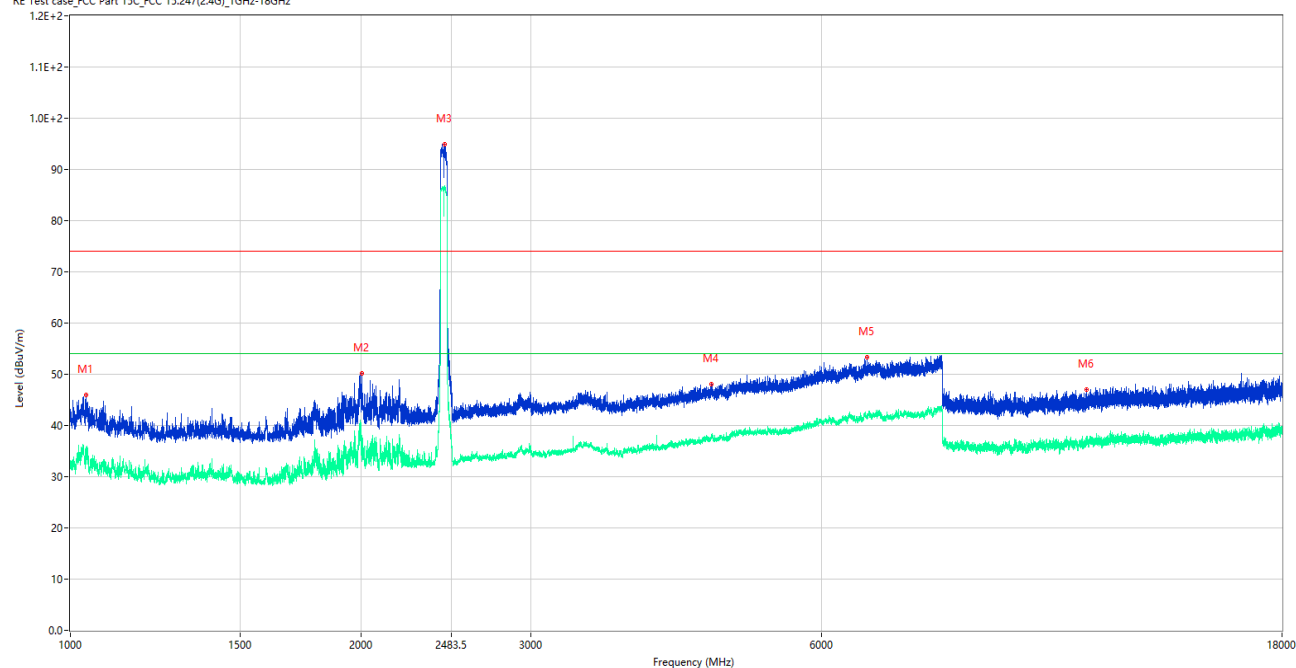
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.750	45.13	-15.53	74.0	28.87	Peak	139.00	150	Horizontal	Pass
1**	1158.750	32.35	-15.53	54.0	21.65	AV	139.00	150	Horizontal	Pass
2	1995.250	46.78	-14.53	74.0	27.22	Peak	209.00	150	Horizontal	Pass
2**	1995.250	35.58	-14.53	54.0	18.42	AV	209.00	150	Horizontal	Pass
3	2427.750	98.92	-12.28	74.0	-24.92	Peak	12.00	150	Horizontal	N/A
3**	2427.750	90.23	-12.28	54.0	-36.23	AV	12.00	150	Horizontal	N/A
4	4296.500	47.14	-3.83	74.0	26.86	Peak	38.00	150	Horizontal	Pass
4**	4296.500	36.82	-3.83	54.0	17.18	AV	38.00	150	Horizontal	Pass
5	6956.000	53.29	-0.21	74.0	20.71	Peak	115.00	150	Horizontal	Pass
5**	6956.000	41.70	-0.21	54.0	12.30	AV	115.00	150	Horizontal	Pass
6	12334.000	48.41	-2.40	74.0	25.59	Peak	90.00	150	Horizontal	Pass
6**	12334.000	37.54	-2.40	54.0	16.46	AV	90.00	150	Horizontal	Pass

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

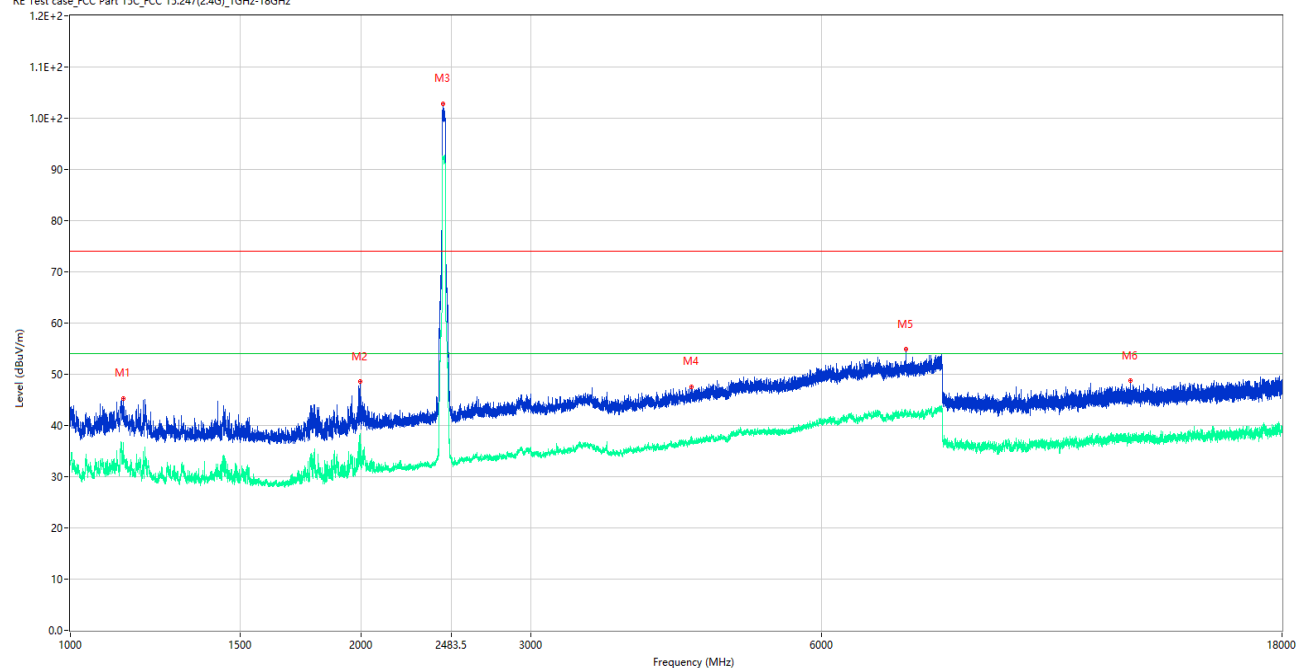
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.250	46.01	-15.39	74.0	27.99	Peak	78.00	150	Vertical	Pass
1**	1039.250	33.46	-15.39	54.0	20.54	AV	78.00	150	Vertical	Pass
2	2005.500	50.25	-14.22	74.0	23.75	Peak	102.00	150	Vertical	Pass
2**	2005.500	35.49	-14.22	54.0	18.51	AV	102.00	150	Vertical	Pass
3	2440.250	94.93	-12.37	74.0	-20.93	Peak	138.00	150	Vertical	N/A
3**	2440.250	86.75	-12.37	54.0	-32.75	AV	138.00	150	Vertical	N/A
4	4615.500	48.13	-3.12	74.0	25.87	Peak	211.00	150	Vertical	Pass
4**	4615.500	38.04	-3.12	54.0	15.96	AV	211.00	150	Vertical	Pass
5	6693.000	53.41	0.13	74.0	20.59	Peak	192.00	150	Vertical	Pass
5**	6693.000	42.02	0.13	54.0	11.98	AV	192.00	150	Vertical	Pass
6	11290.500	47.10	-4.10	74.0	26.90	Peak	38.00	150	Vertical	Pass
6**	11290.500	37.07	-4.10	54.0	16.93	AV	38.00	150	Vertical	Pass

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

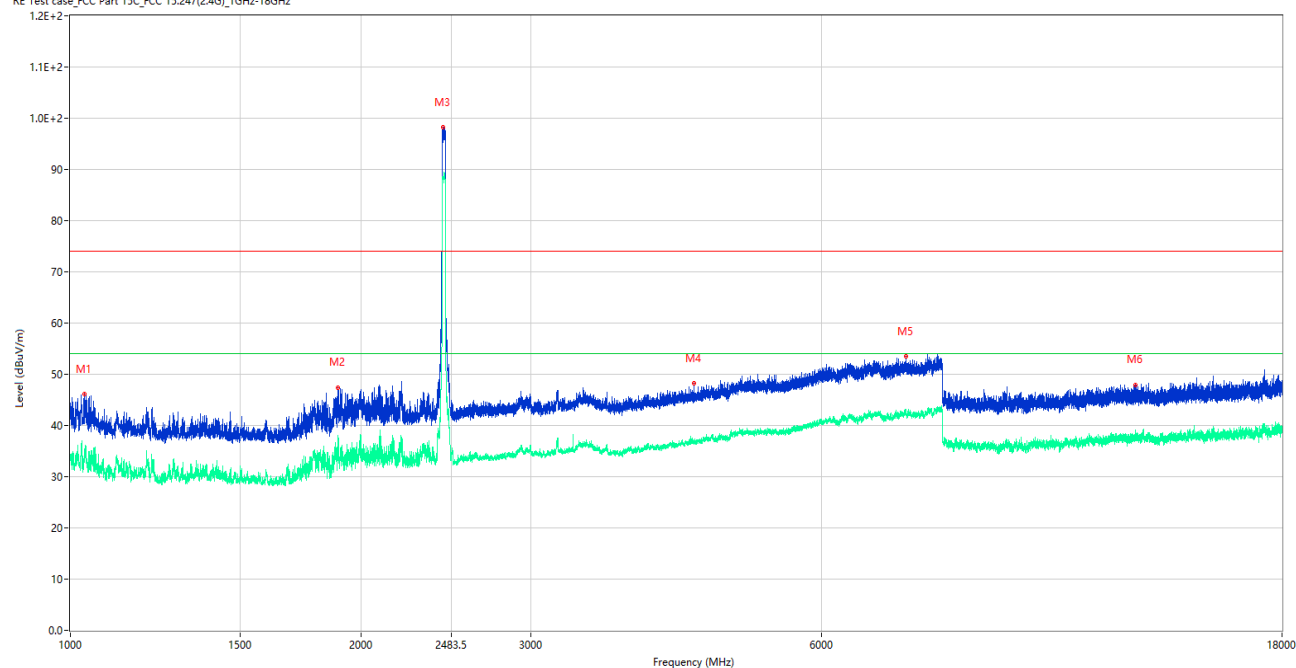
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1134.000	45.32	-15.56	74.0	28.68	Peak	237.00	150	Horizontal	Pass
1**	1134.000	32.90	-15.56	54.0	21.10	AV	237.00	150	Horizontal	Pass
2	1995.250	48.57	-14.53	74.0	25.43	Peak	153.00	150	Horizontal	Pass
2**	1995.250	36.37	-14.53	54.0	17.63	AV	153.00	150	Horizontal	Pass
3	2433.500	102.85	-12.31	74.0	-28.85	Peak	346.00	150	Horizontal	N/A
3**	2433.500	91.89	-12.31	54.0	-37.89	AV	346.00	150	Horizontal	N/A
4	4401.000	47.55	-3.10	74.0	26.45	Peak	82.00	150	Horizontal	Pass
4**	4401.000	37.04	-3.10	54.0	16.96	AV	82.00	150	Horizontal	Pass
5	7338.000	54.86	1.11	74.0	19.14	Peak	259.00	150	Horizontal	Pass
5**	7338.000	42.52	1.11	54.0	11.48	AV	259.00	150	Horizontal	Pass
6	12549.500	48.77	-2.95	74.0	25.23	Peak	328.00	150	Horizontal	Pass
6**	12549.500	37.34	-2.95	54.0	16.66	AV	328.00	150	Horizontal	Pass

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

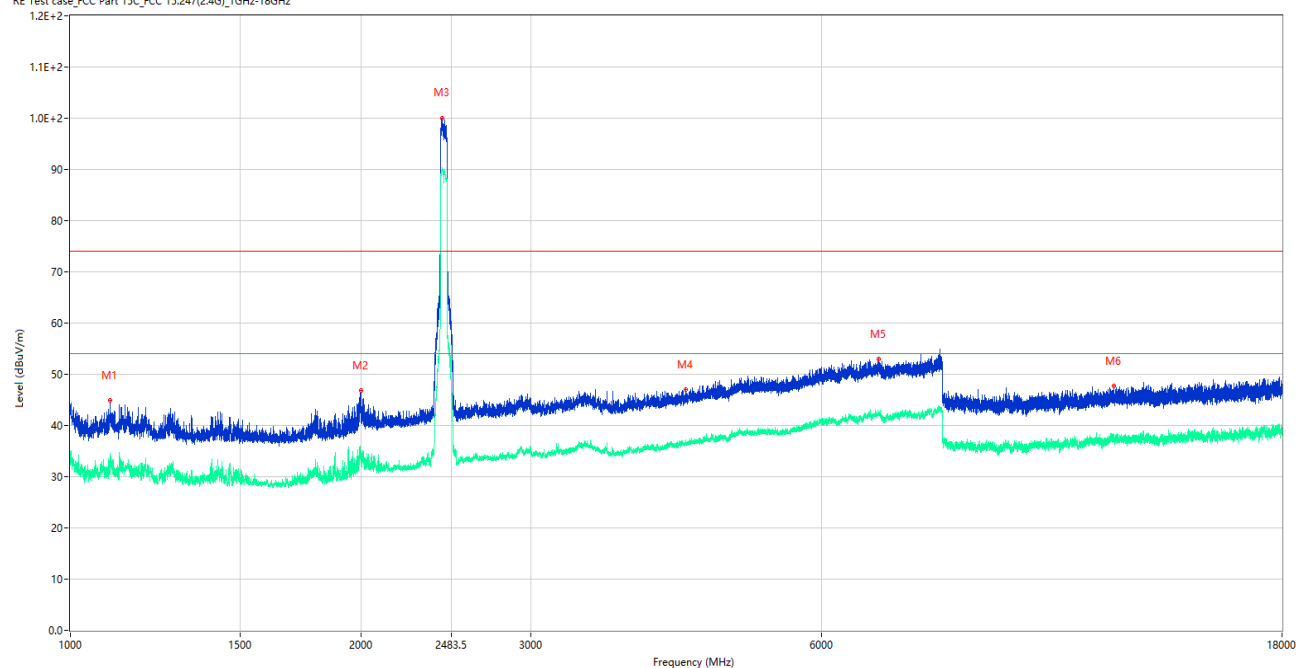
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1034.500	46.07	-15.36	74.0	27.93	Peak	86.00	150	Vertical	Pass
1**	1034.500	33.98	-15.36	54.0	20.02	AV	86.00	150	Vertical	Pass
2	1893.000	47.41	-15.41	74.0	26.59	Peak	135.00	150	Vertical	Pass
2**	1893.000	35.82	-15.41	54.0	18.18	AV	135.00	150	Vertical	Pass
3	2434.750	98.24	-12.31	74.0	-24.24	Peak	139.00	150	Vertical	N/A
3**	2434.750	88.26	-12.31	54.0	-34.26	AV	139.00	150	Vertical	N/A
4	4423.500	48.18	-2.89	74.0	25.82	Peak	160.00	150	Vertical	Pass
4**	4423.500	36.71	-2.89	54.0	17.29	AV	160.00	150	Vertical	Pass
5	7339.000	53.43	1.14	74.0	20.57	Peak	0.00	150	Vertical	Pass
5**	7339.000	42.57	1.14	54.0	11.43	AV	0.00	150	Vertical	Pass
6	12688.500	47.97	-3.04	74.0	26.03	Peak	178.00	150	Vertical	Pass
6**	12688.500	37.35	-3.04	54.0	16.65	AV	178.00	150	Vertical	Pass

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

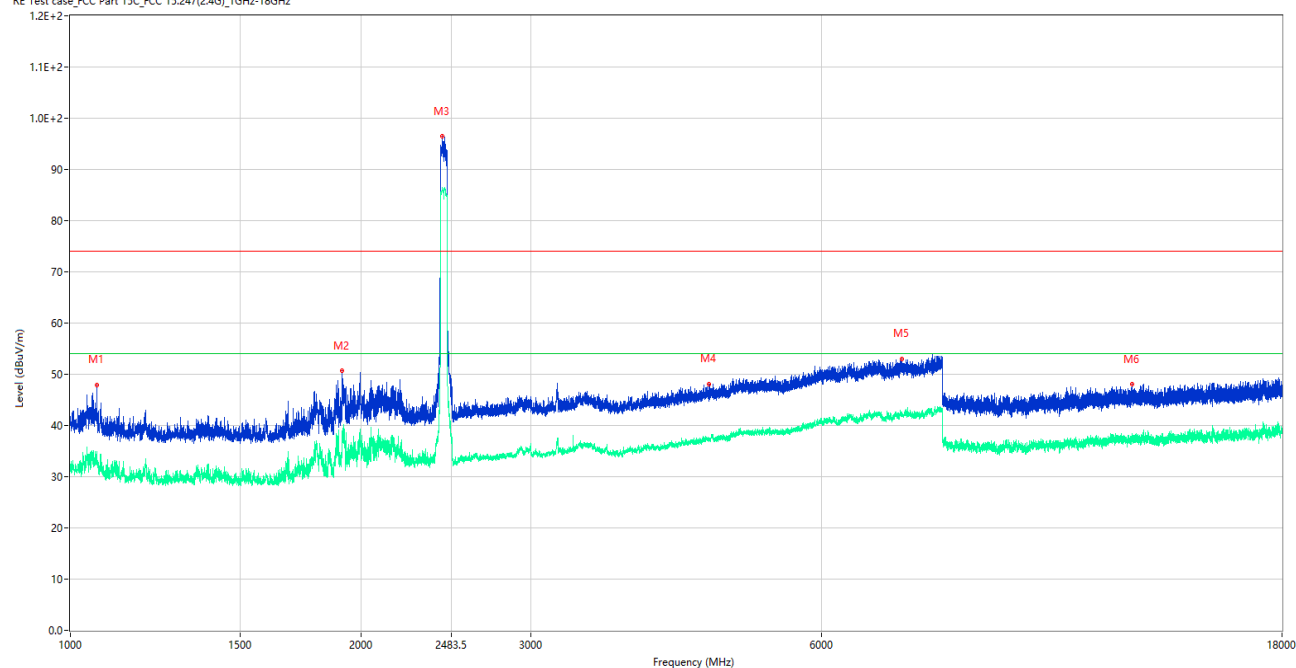
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1099.250	44.89	-15.74	74.0	29.11	Peak	240.00	150	Horizontal	Pass
1**	1099.250	34.23	-15.74	54.0	19.77	AV	240.00	150	Horizontal	Pass
2	1998.750	46.78	-14.35	74.0	27.22	Peak	157.00	150	Horizontal	Pass
2**	1998.750	35.11	-14.35	54.0	18.89	AV	157.00	150	Horizontal	Pass
3	2429.500	100.05	-12.24	74.0	-26.05	Peak	90.00	150	Horizontal	N/A
3**	2429.500	89.87	-12.24	54.0	-35.87	AV	90.00	150	Horizontal	N/A
4	4342.000	46.99	-3.05	74.0	27.01	Peak	69.00	150	Horizontal	Pass
4**	4342.000	36.32	-3.05	54.0	17.68	AV	69.00	150	Horizontal	Pass
5	6881.000	52.92	0.63	74.0	21.08	Peak	11.00	150	Horizontal	Pass
5**	6881.000	42.07	0.63	54.0	11.93	AV	11.00	150	Horizontal	Pass
6	12057.500	47.70	-3.07	74.0	26.30	Peak	264.00	150	Horizontal	Pass
6**	12057.500	37.82	-3.07	54.0	16.18	AV	264.00	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	1064.500	47.96	-15.20	74.0	26.04	Peak	179.00	150	Vertical	Pass
1**	1064.500	33.46	-15.20	54.0	20.54	AV	179.00	150	Vertical	Pass
2	1913.500	50.67	-15.46	74.0	23.33	Peak	121.00	150	Vertical	Pass
2**	1913.500	38.65	-15.46	54.0	15.35	AV	121.00	150	Vertical	Pass
3	2427.000	96.48	-12.28	74.0	-22.48	Peak	261.00	150	Vertical	N/A
3**	2427.000	85.99	-12.28	54.0	-31.99	AV	261.00	150	Vertical	N/A
4	4590.500	48.14	-3.37	74.0	25.86	Peak	2.00	150	Vertical	Pass
4**	4590.500	37.53	-3.37	54.0	16.47	AV	2.00	150	Vertical	Pass
5	7275.500	53.04	0.34	74.0	20.96	Peak	170.00	150	Vertical	Pass
5**	7275.500	42.07	0.34	54.0	11.93	AV	170.00	150	Vertical	Pass
6	12591.000	48.05	-2.91	74.0	25.95	Peak	11.00	150	Vertical	Pass
6**	12591.000	37.16	-2.91	54.0	16.84	AV	11.00	150	Vertical	Pass

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

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

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

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

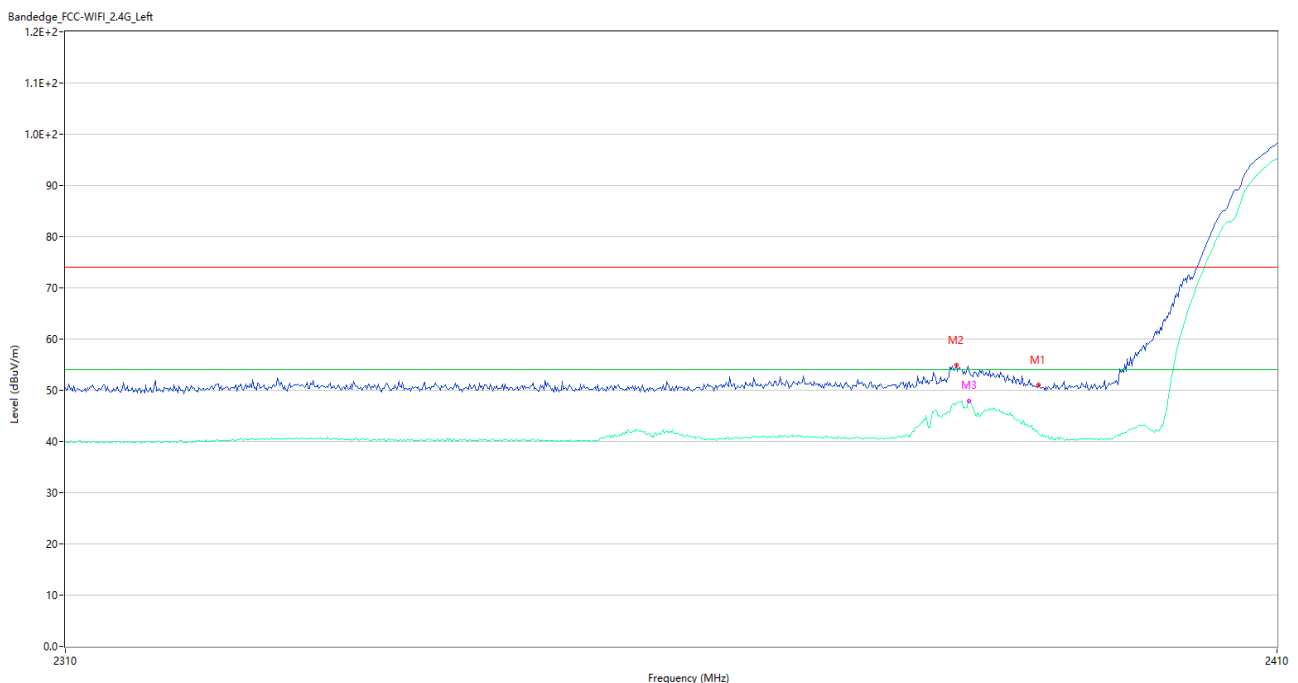
Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

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

Test Data and Plots

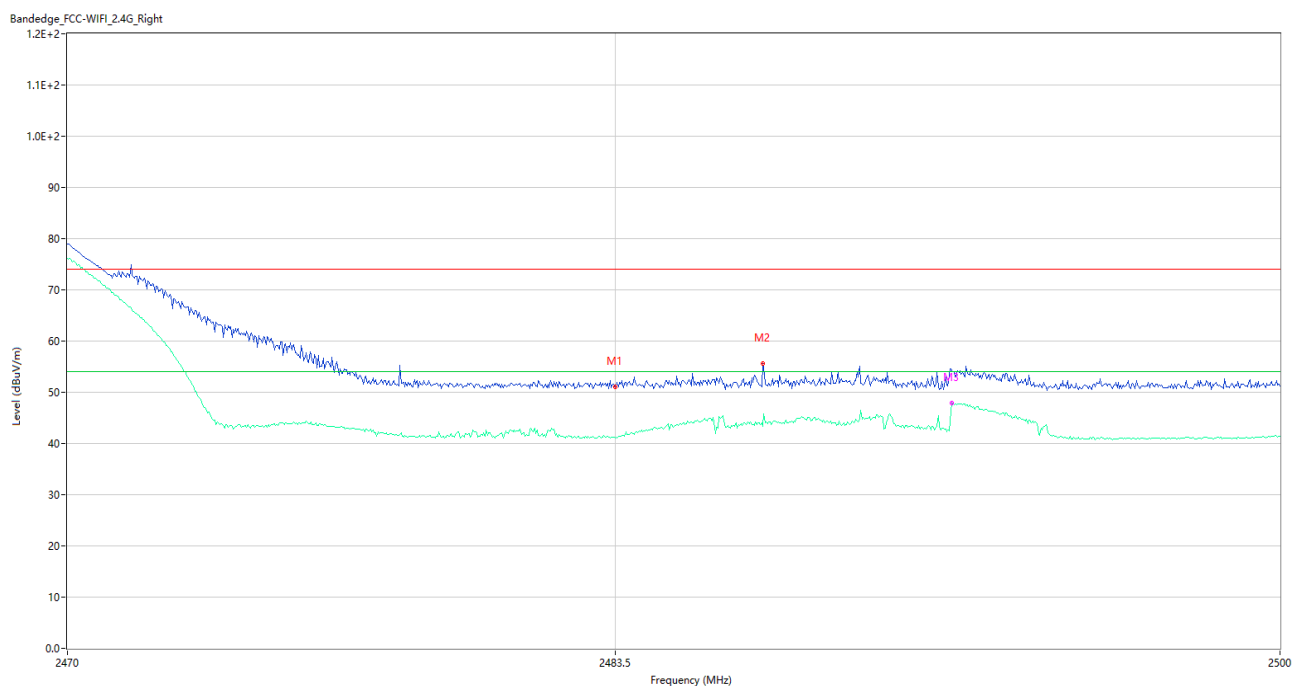
Main Antenna

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	50.99	-4.87	74.0	23.01	Peak	156.17	150	Horizontal	Pass
1**	2390.000	41.53	-4.87	54.0	12.47	AV	156.17	150	Horizontal	Pass
2	2383.100	54.85	-4.48	74.0	19.15	Peak	360.00	150	Horizontal	Pass
2**	2383.100	47.48	-4.48	54.0	6.52	AV	360.00	150	Horizontal	Pass
3	2384.200	53.86	-4.55	74.0	20.14	Peak	6.00	150	Horizontal	Pass
3**	2384.200	47.94	-4.55	54.0	6.06	AV	6.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



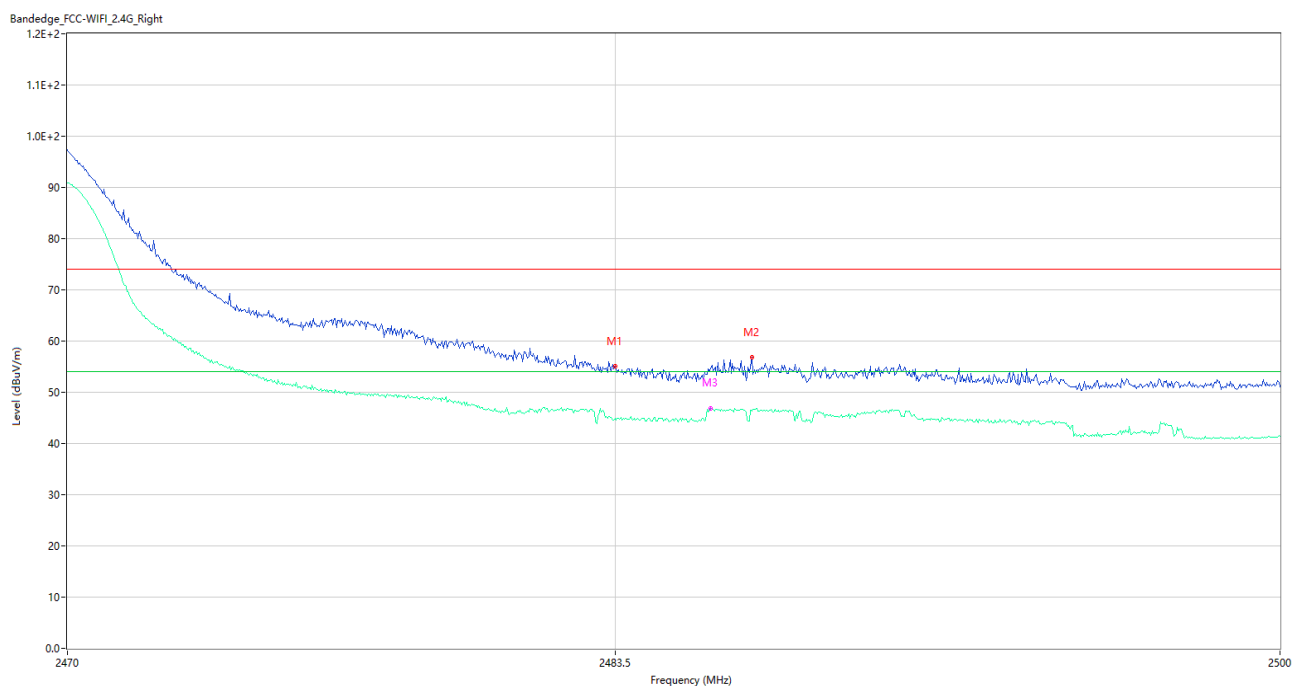
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.00	-3.78	74.0	23.00	Peak	329.00	150	Horizontal	Pass
1**	2483.500	41.07	-3.78	54.0	12.93	AV	329.00	150	Horizontal	Pass
2	2487.160	55.55	-3.80	74.0	18.45	Peak	360.00	150	Horizontal	Pass
2**	2487.160	43.42	-3.80	54.0	10.58	AV	360.00	150	Horizontal	Pass
3	2491.840	54.36	-3.87	74.0	19.64	Peak	341.00	150	Horizontal	Pass
3**	2491.840	47.85	-3.87	54.0	6.15	AV	341.00	150	Horizontal	Pass

802.11g LOW CHANNEL



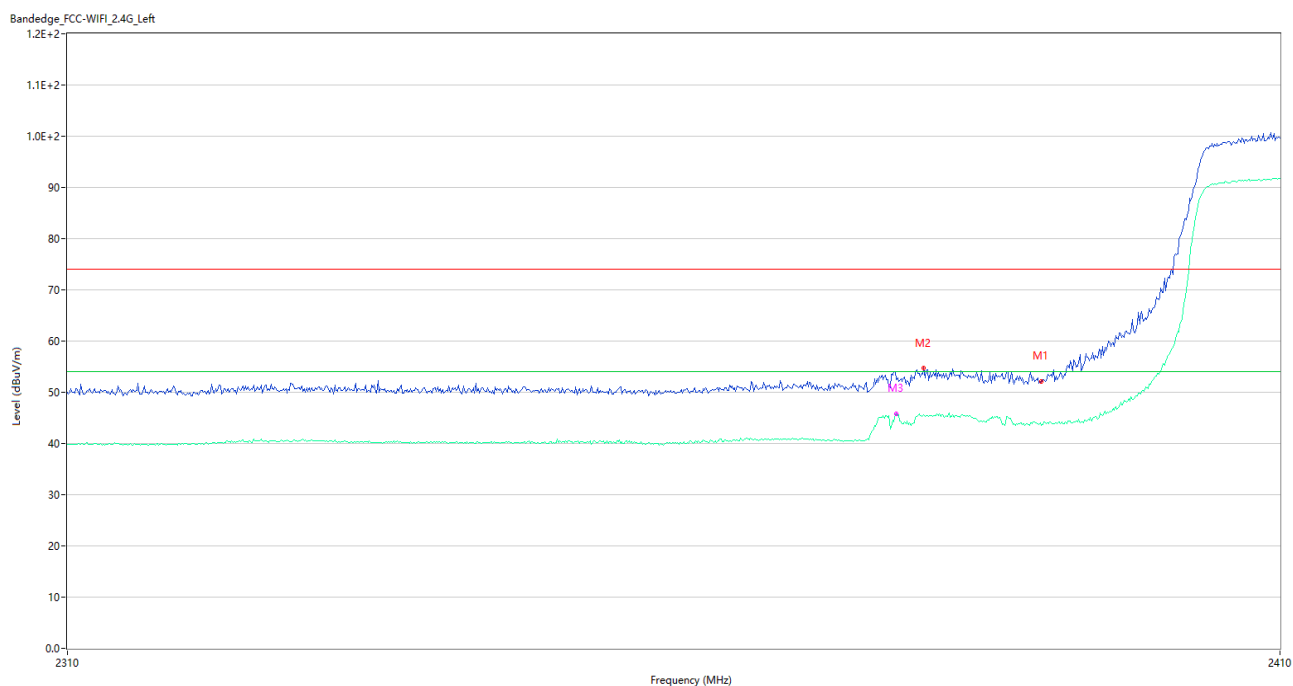
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.67	-4.87	74.0	21.33	Peak	0.05	150	Horizontal	Pass
1**	2390.000	43.11	-4.87	54.0	10.89	AV	0.05	150	Horizontal	Pass
2	2389.600	54.23	-4.85	74.0	19.77	Peak	47.00	150	Horizontal	Pass
2**	2389.600	42.63	-4.85	54.0	11.37	AV	47.00	150	Horizontal	Pass
3	2386.400	51.77	-4.66	74.0	22.23	Peak	277.00	150	Horizontal	Pass
3**	2386.400	42.92	-4.66	54.0	11.08	AV	277.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



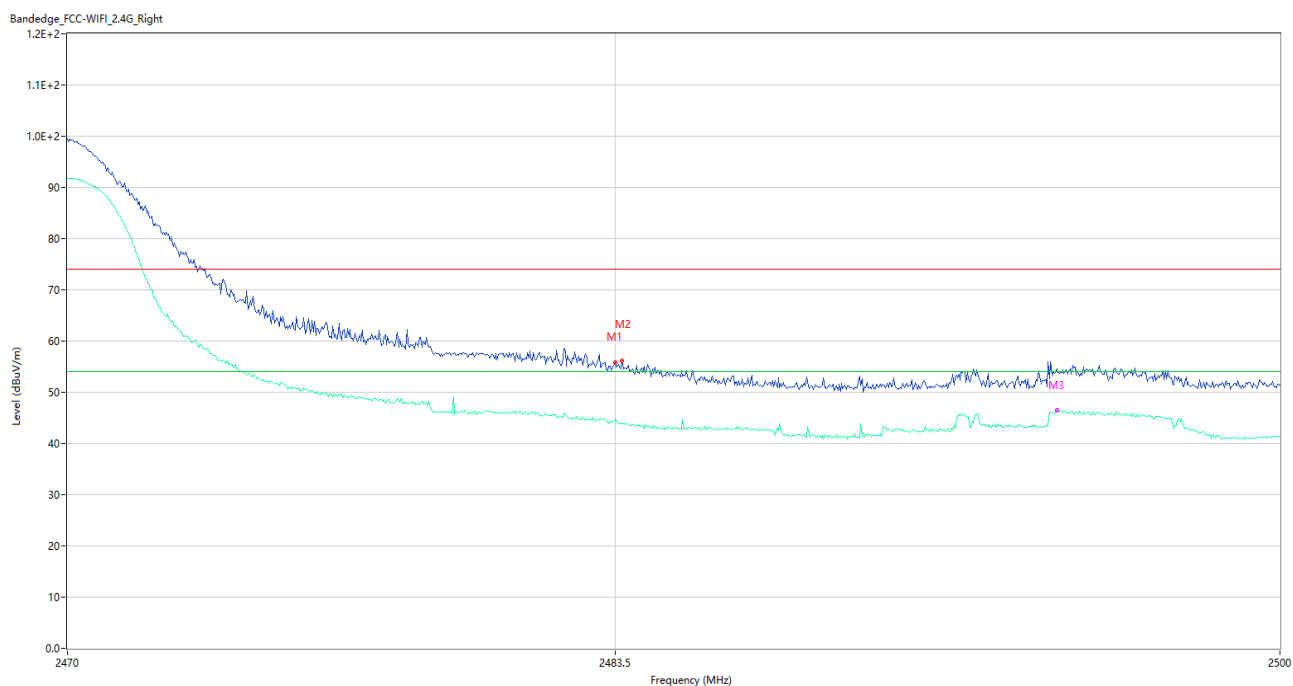
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.13	-3.78	74.0	18.87	Peak	39.00	150	Horizontal	Pass
1**	2483.500	44.89	-3.78	54.0	9.11	AV	39.00	150	Horizontal	Pass
2	2486.890	56.84	-3.80	74.0	17.16	Peak	352.00	150	Horizontal	Pass
2**	2486.890	46.37	-3.80	54.0	7.63	AV	352.00	150	Horizontal	Pass
3	2485.870	54.66	-3.78	74.0	19.34	Peak	352.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



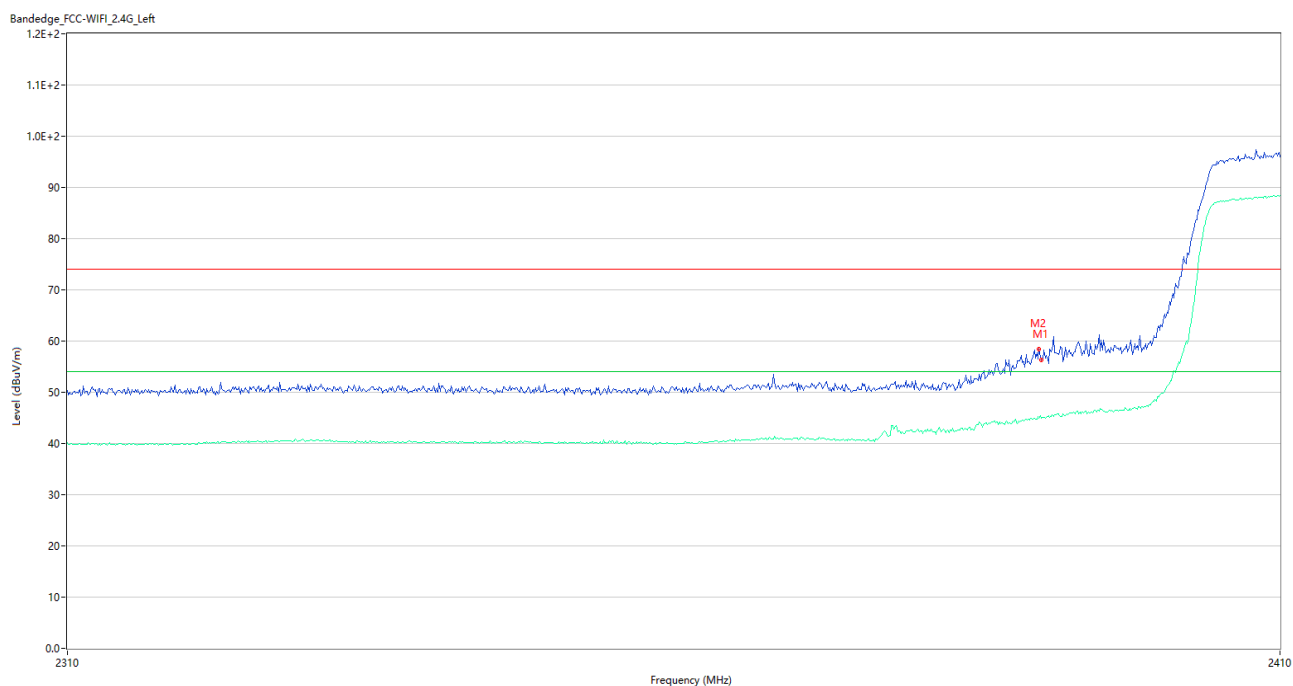
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.15	-4.87	74.0	21.85	Peak	0.45	150	Horizontal	Pass
1**	2390.000	43.58	-4.87	54.0	10.42	AV	0.45	150	Horizontal	Pass
2	2380.200	54.67	-4.33	74.0	19.33	Peak	0.00	150	Horizontal	Pass
2**	2380.200	45.64	-4.33	54.0	8.36	AV	0.00	150	Horizontal	Pass
3	2377.900	52.44	-4.24	74.0	21.56	Peak	356.00	150	Horizontal	Pass
3**	2377.900	45.71	-4.24	54.0	8.29	AV	356.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



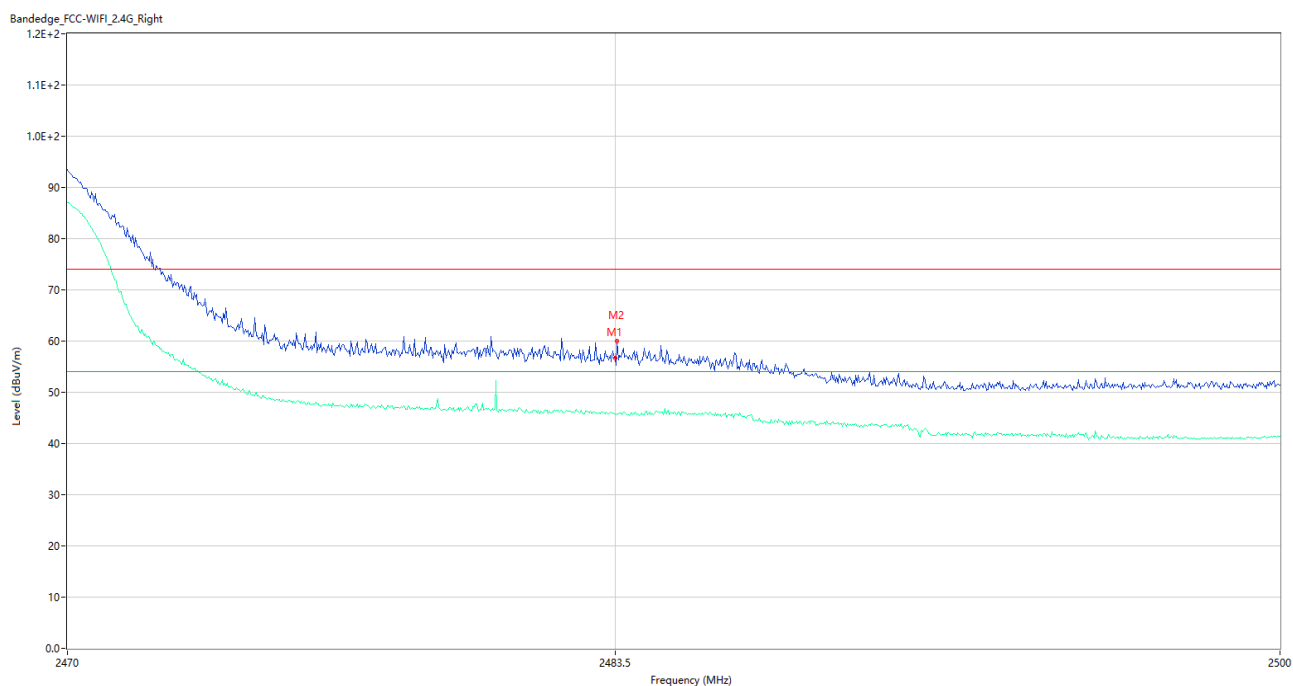
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.77	-3.78	74.0	18.23	Peak	354.00	150	Horizontal	Pass
1**	2483.500	44.45	-3.78	54.0	9.55	AV	354.00	150	Horizontal	Pass
2	2483.680	56.14	-3.78	74.0	17.86	Peak	16.00	150	Horizontal	Pass
2**	2483.680	43.88	-3.78	54.0	10.12	AV	16.00	150	Horizontal	Pass
3	2494.450	54.61	-3.92	74.0	19.39	Peak	357.00	150	Horizontal	Pass
3**	2494.450	46.51	-3.92	54.0	7.49	AV	357.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



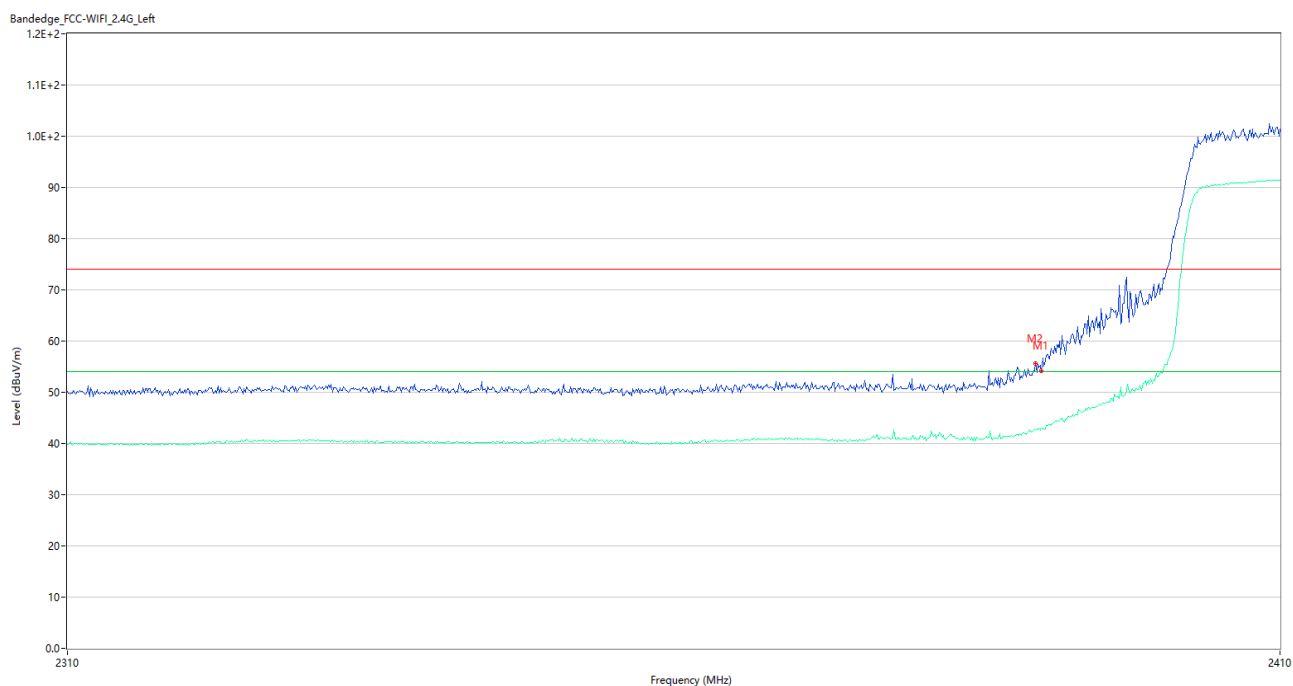
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	56.38	-4.87	74.0	17.62	Peak	92.90	150	Horizontal	Pass
1**	2390.000	44.99	-4.87	54.0	9.01	AV	92.90	150	Horizontal	Pass
2	2389.800	58.49	-4.86	74.0	15.51	Peak	9.00	150	Horizontal	Pass
2**	2389.800	44.90	-4.86	54.0	9.10	AV	9.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



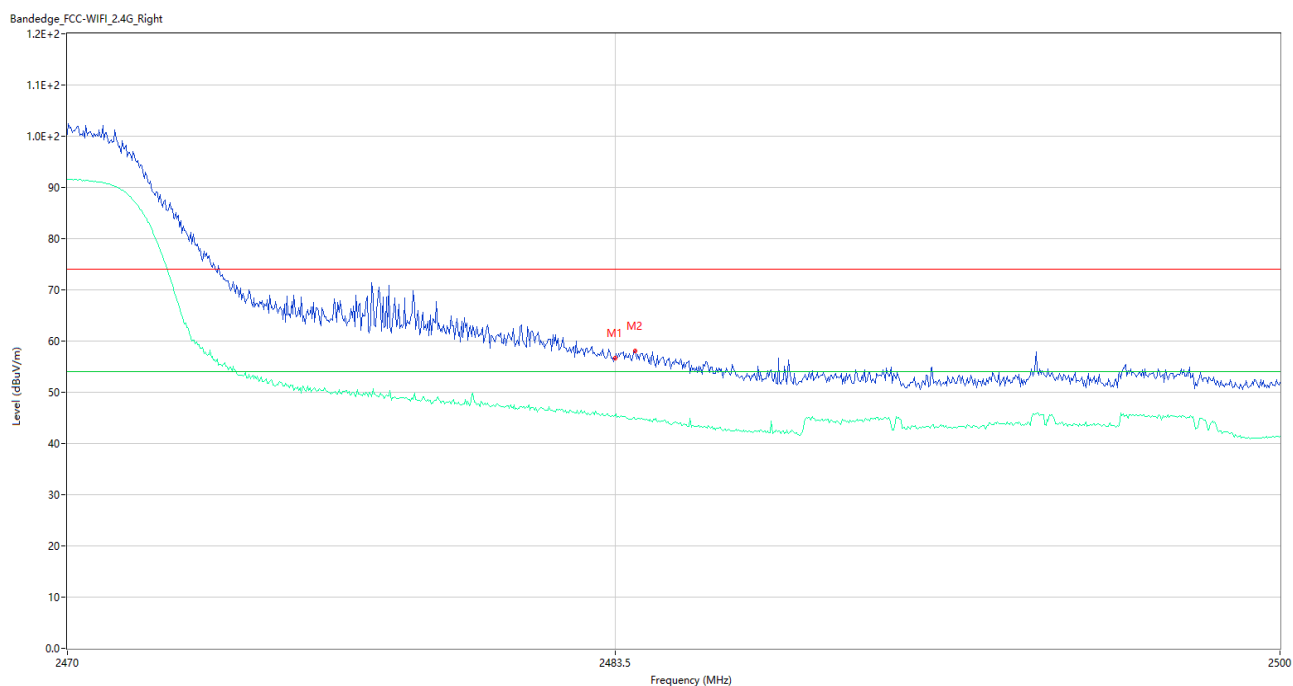
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.60	-3.78	74.0	17.40	Peak	45.00	150	Horizontal	Pass
1**	2483.500	45.71	-3.78	54.0	8.29	AV	45.00	150	Horizontal	Pass
2	2483.560	60.01	-3.78	74.0	13.99	Peak	17.00	150	Horizontal	Pass
2**	2483.560	45.71	-3.78	54.0	8.29	AV	17.00	150	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL



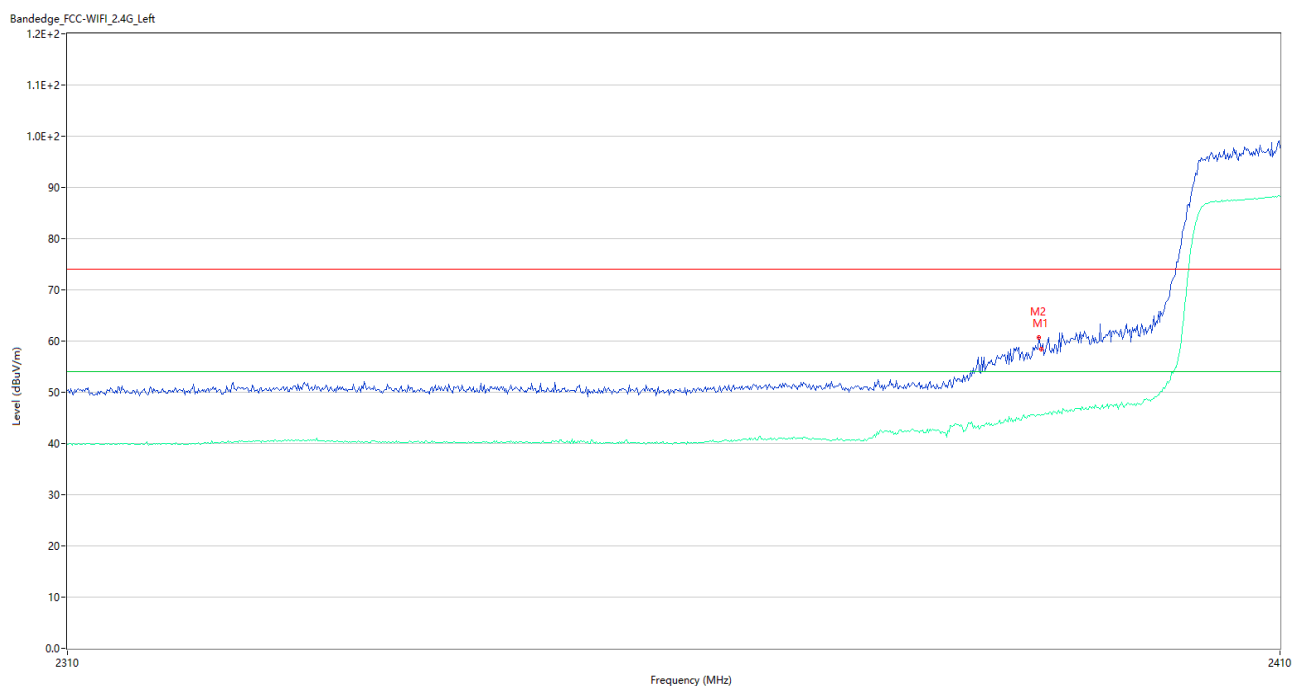
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.18	-4.87	74.0	19.82	Peak	20.04	150	Horizontal	Pass
1**	2390.000	42.90	-4.87	54.0	11.10	AV	20.04	150	Horizontal	Pass
2	2389.500	55.64	-4.85	74.0	18.36	Peak	15.00	150	Horizontal	Pass
2**	2389.500	42.67	-4.85	54.0	11.33	AV	15.00	150	Horizontal	Pass

802.11 ax20(SU) HIGH CHANNEL



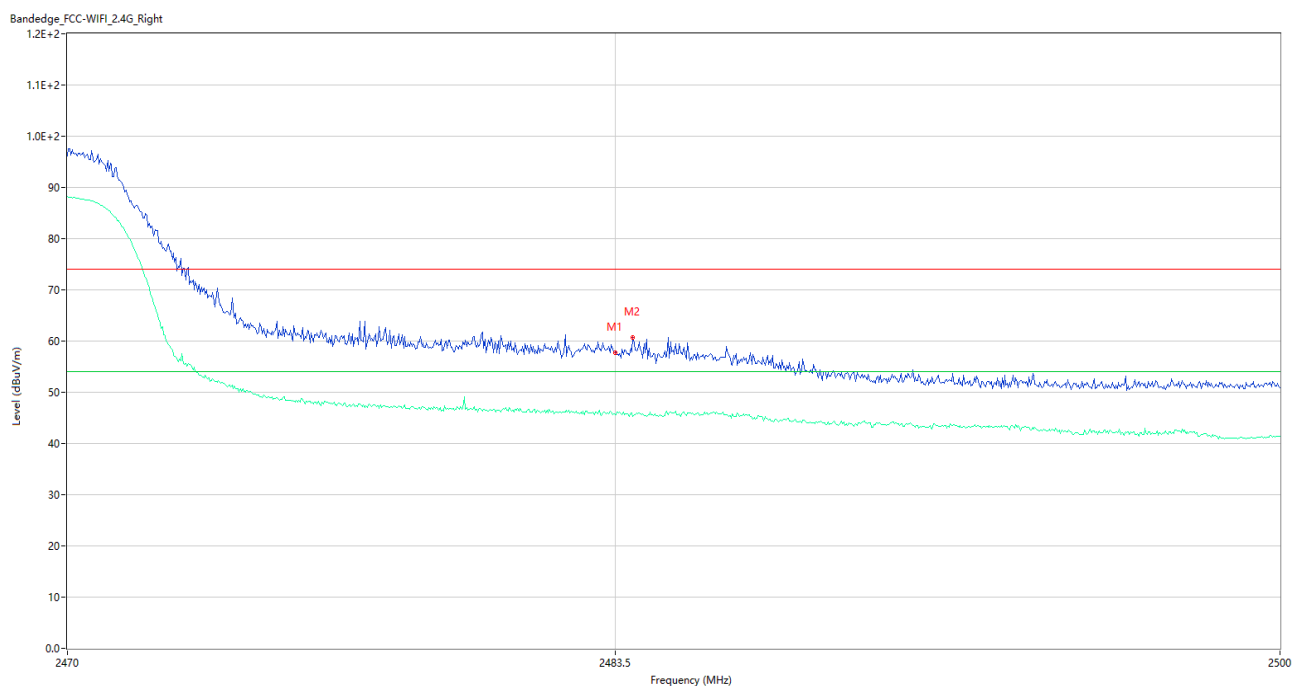
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.58	-3.78	74.0	17.42	Peak	0.00	150	Horizontal	Pass
1**	2483.500	45.40	-3.78	54.0	8.60	AV	0.00	150	Horizontal	Pass
2	2484.010	58.08	-3.78	74.0	15.92	Peak	39.00	150	Horizontal	Pass
2**	2484.010	44.70	-3.78	54.0	9.30	AV	39.00	150	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.47	-4.87	74.0	15.53	Peak	15.04	150	Horizontal	Pass
1**	2390.000	45.64	-4.87	54.0	8.36	AV	15.04	150	Horizontal	Pass
2	2389.800	60.70	-4.86	74.0	13.30	Peak	220.00	150	Horizontal	Pass
2**	2389.800	45.65	-4.86	54.0	8.35	AV	220.00	150	Horizontal	Pass

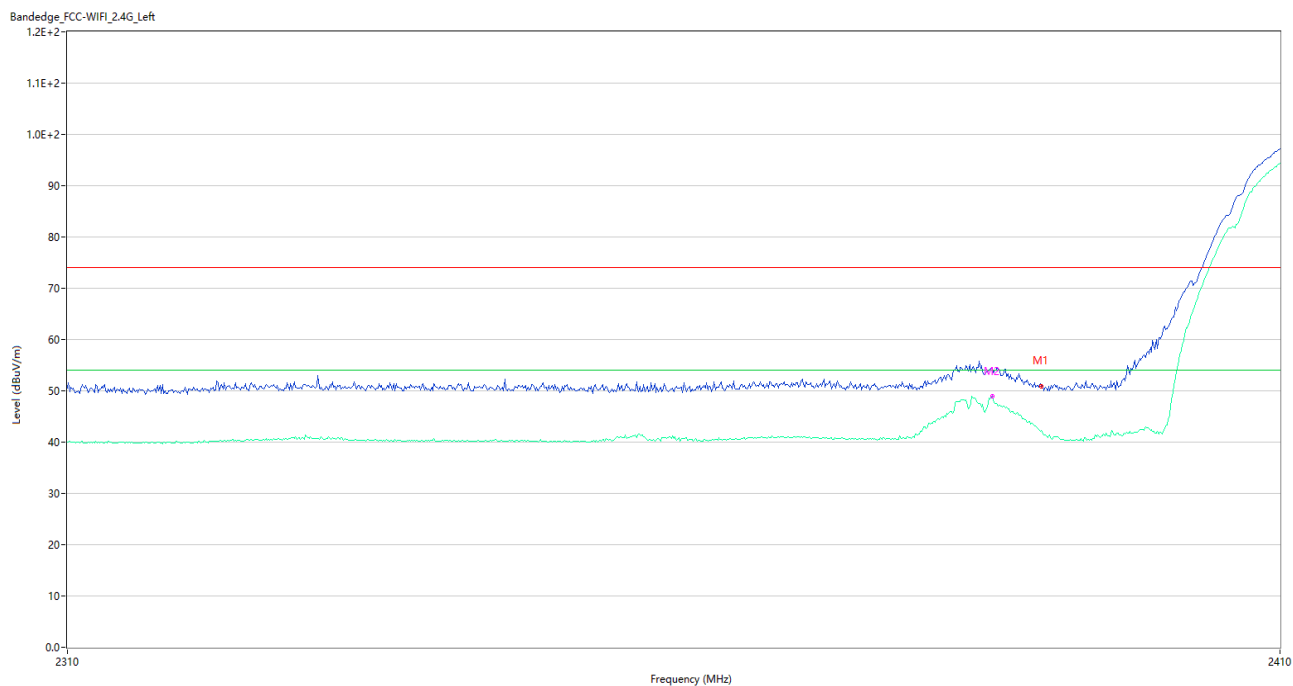
802.11 ax40(SU) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.67	-3.78	74.0	16.33	Peak	34.00	150	Horizontal	Pass
1**	2483.500	45.60	-3.78	54.0	8.40	AV	34.00	150	Horizontal	Pass
2	2483.950	60.63	-3.78	74.0	13.37	Peak	16.00	150	Horizontal	Pass
2**	2483.950	45.26	-3.78	54.0	8.74	AV	16.00	150	Horizontal	Pass

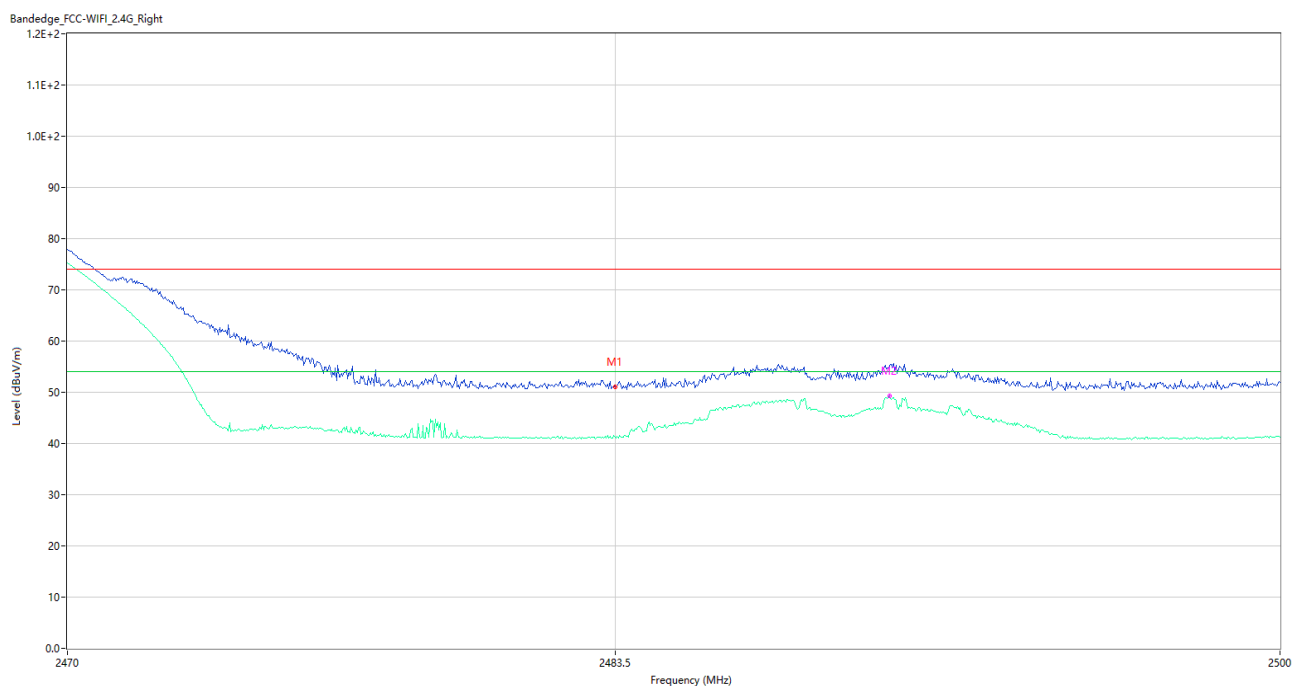
Aux. Antenna

802.11b LOW CHANNEL



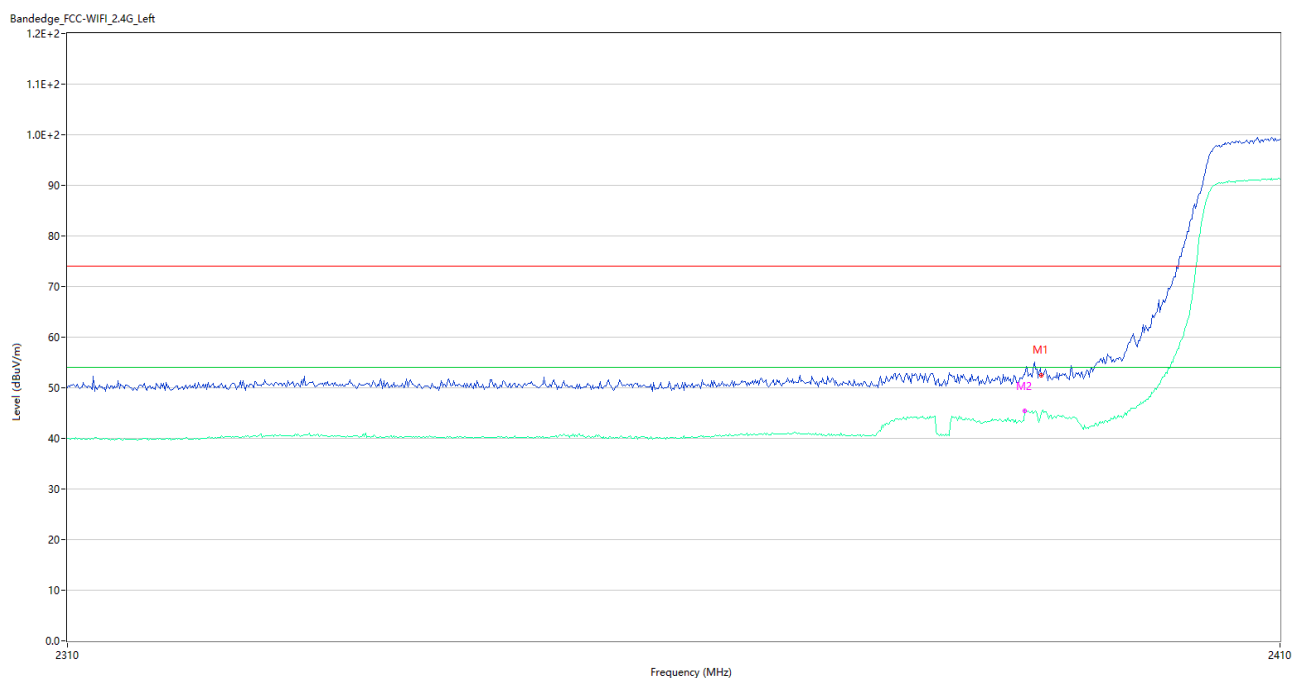
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.90	-4.87	74.0	23.10	Peak	313.60	150	Horizontal	Pass
1**	2390.000	42.29	-4.87	54.0	11.71	AV	313.60	150	Horizontal	Pass
2	2385.900	54.60	-4.63	74.0	19.40	Peak	356.00	150	Horizontal	Pass
2**	2385.900	48.92	-4.63	54.0	5.08	AV	356.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



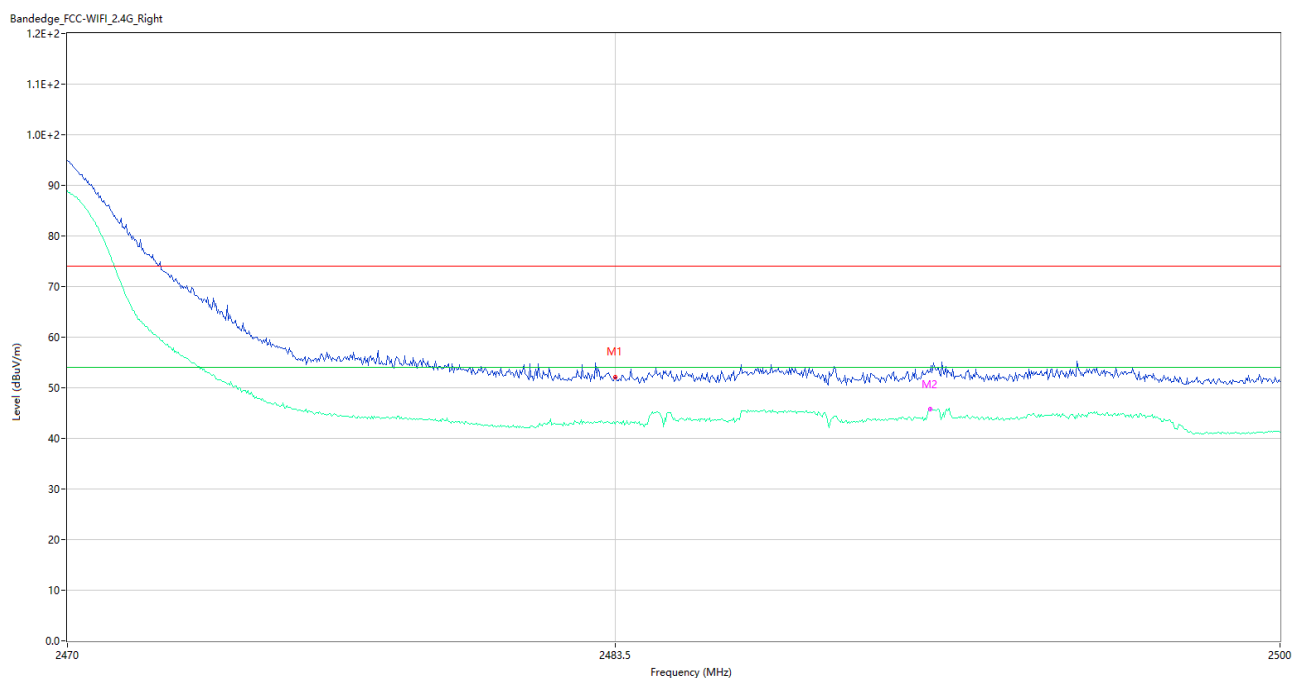
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.01	-3.78	74.0	22.99	Peak	17.00	150	Horizontal	Pass
1**	2483.500	41.30	-3.78	54.0	12.70	AV	17.00	150	Horizontal	Pass
2	2490.310	55.20	-3.83	74.0	18.80	Peak	2.00	150	Horizontal	Pass
2**	2490.310	49.31	-3.83	54.0	4.69	AV	2.00	150	Horizontal	Pass

802.11g LOW CHANNEL



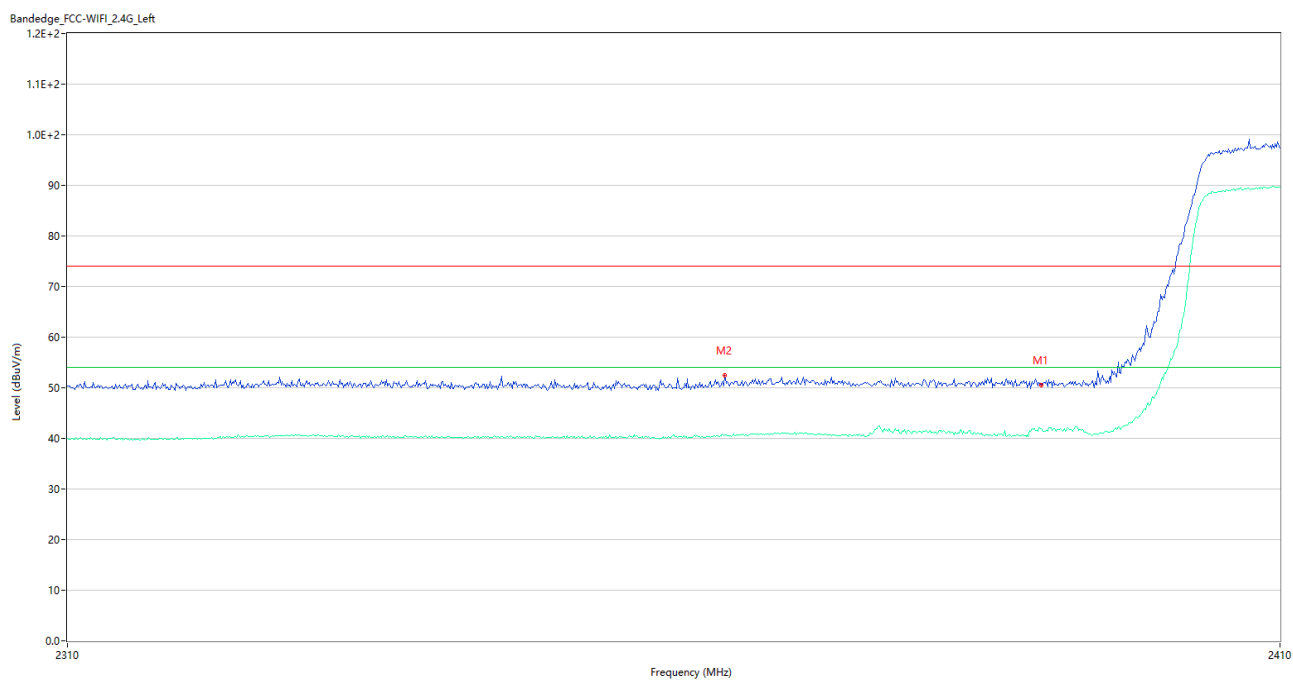
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.51	-4.87	74.0	21.49	Peak	352.00	150	Horizontal	Pass
1**	2390.000	44.96	-4.87	54.0	9.04	AV	352.00	150	Horizontal	Pass
2	2388.600	52.57	-4.80	74.0	21.43	Peak	352.00	150	Horizontal	Pass
2**	2388.600	45.48	-4.80	54.0	8.52	AV	352.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



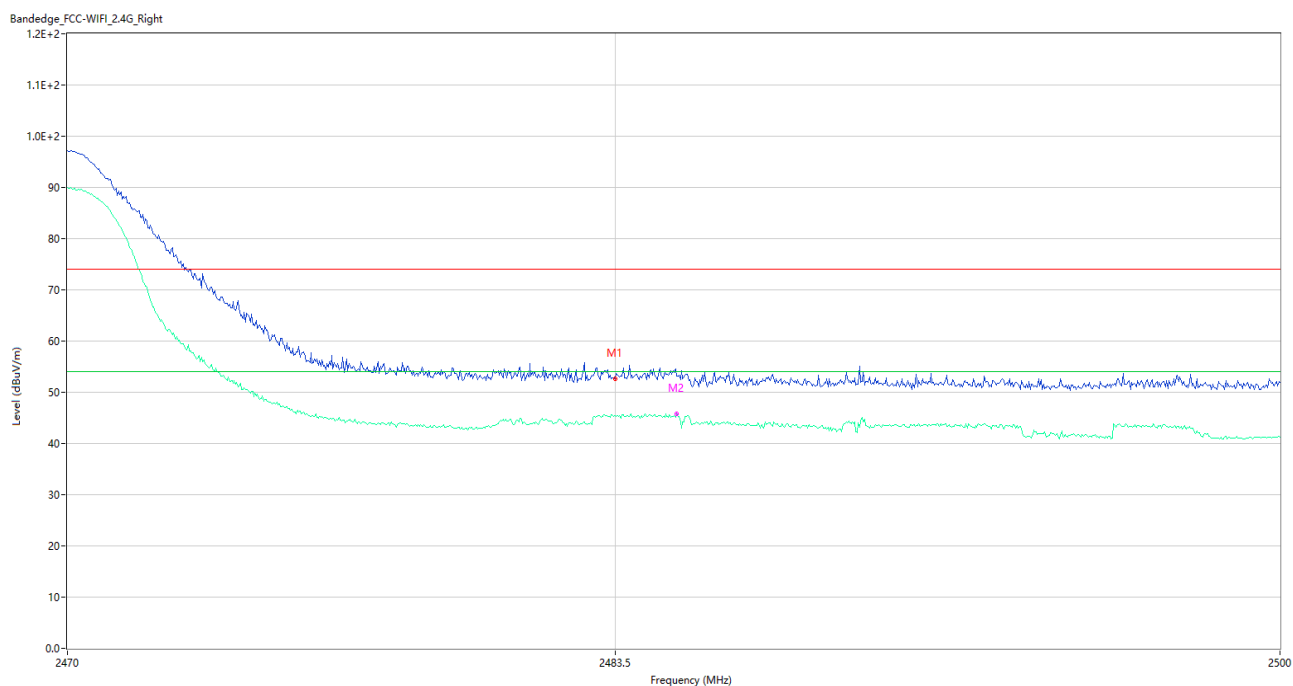
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.10	-3.78	74.0	21.90	Peak	83.00	150	Horizontal	Pass
1**	2483.500	42.73	-3.78	54.0	11.27	AV	83.00	150	Horizontal	Pass
2	2491.300	53.23	-3.85	74.0	20.77	Peak	360.00	150	Horizontal	Pass
2**	2491.300	45.84	-3.85	54.0	8.16	AV	360.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



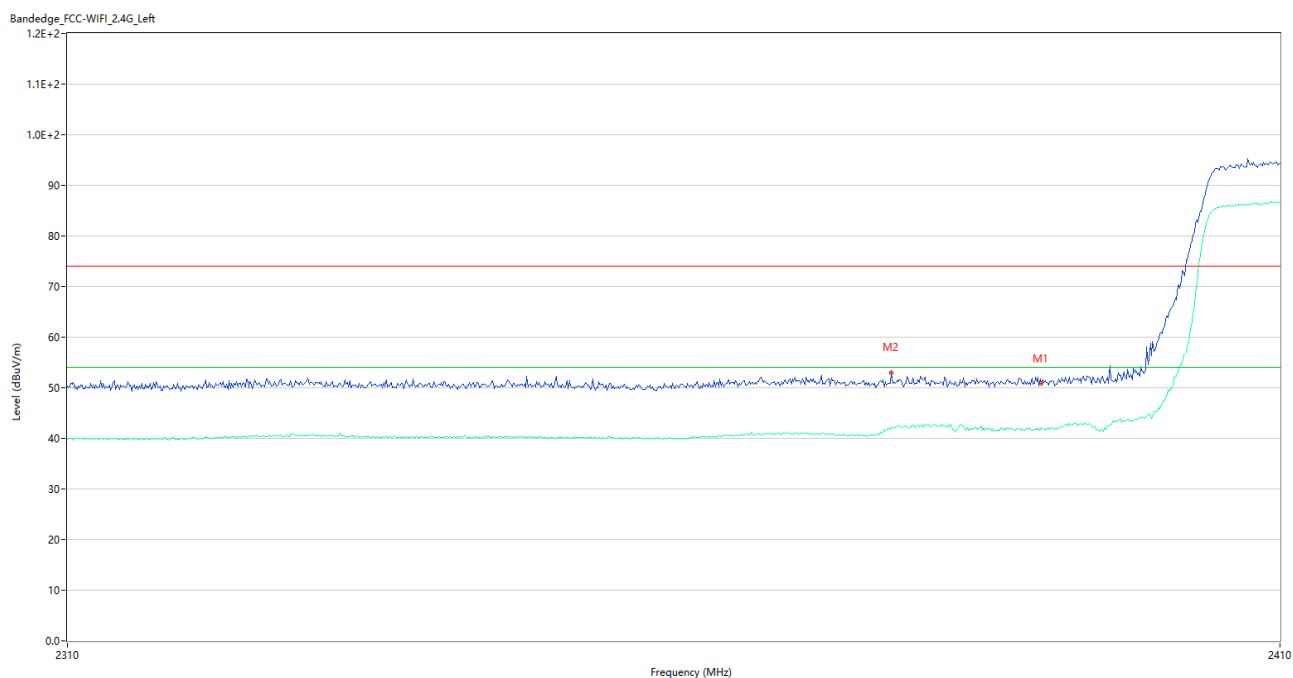
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.52	-4.87	74.0	23.48	Peak	251.14	150	Horizontal	Pass
1**	2390.000	41.97	-4.87	54.0	12.03	AV	251.14	150	Horizontal	Pass
2	2363.700	52.38	-4.70	74.0	21.62	Peak	248.00	150	Horizontal	Pass
2**	2363.700	40.65	-4.70	54.0	13.35	AV	248.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



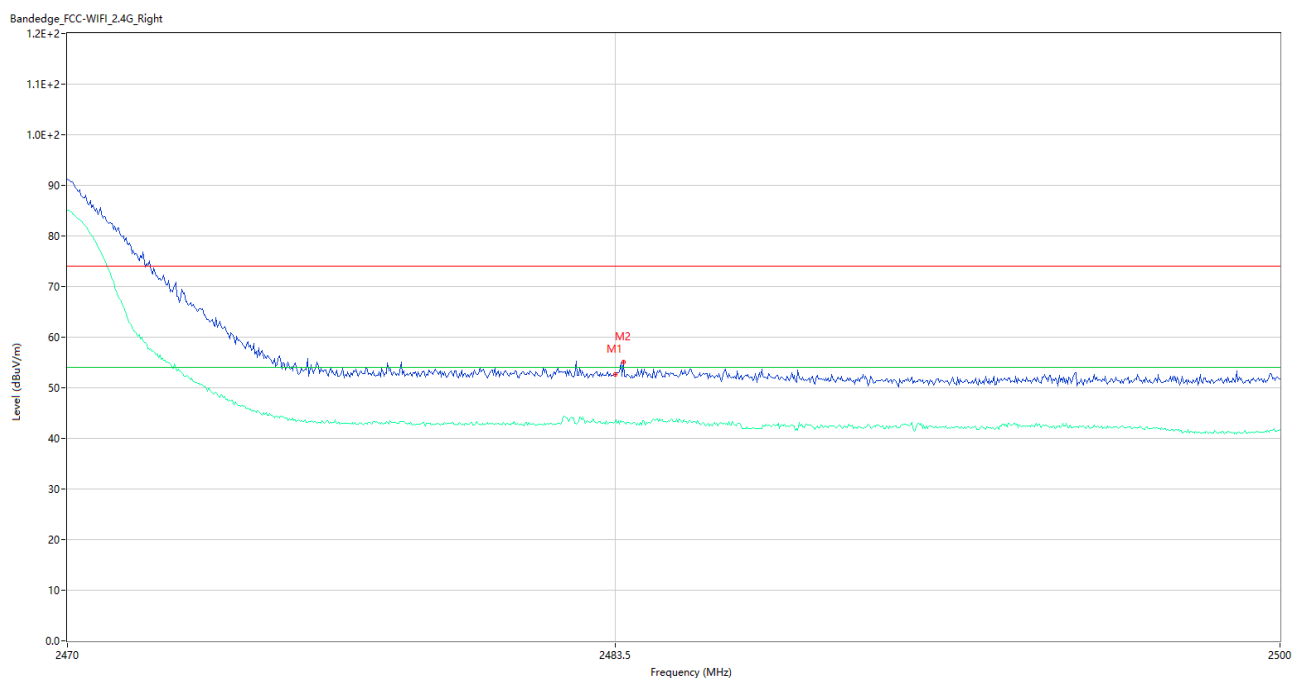
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.60	-3.78	74.0	21.40	Peak	345.00	150	Horizontal	Pass
1**	2483.500	45.43	-3.78	54.0	8.57	AV	345.00	150	Horizontal	Pass
2	2485.030	53.15	-3.78	74.0	20.85	Peak	0.00	150	Horizontal	Pass
2**	2485.030	45.71	-3.78	54.0	8.29	AV	0.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.87	-4.87	74.0	23.13	Peak	16.43	150	Horizontal	Pass
1**	2390.000	42.13	-4.87	54.0	11.87	AV	16.43	150	Horizontal	Pass
2	2377.500	52.95	-4.23	74.0	21.05	Peak	0.00	150	Horizontal	Pass
2**	2377.500	42.14	-4.23	54.0	11.86	AV	0.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



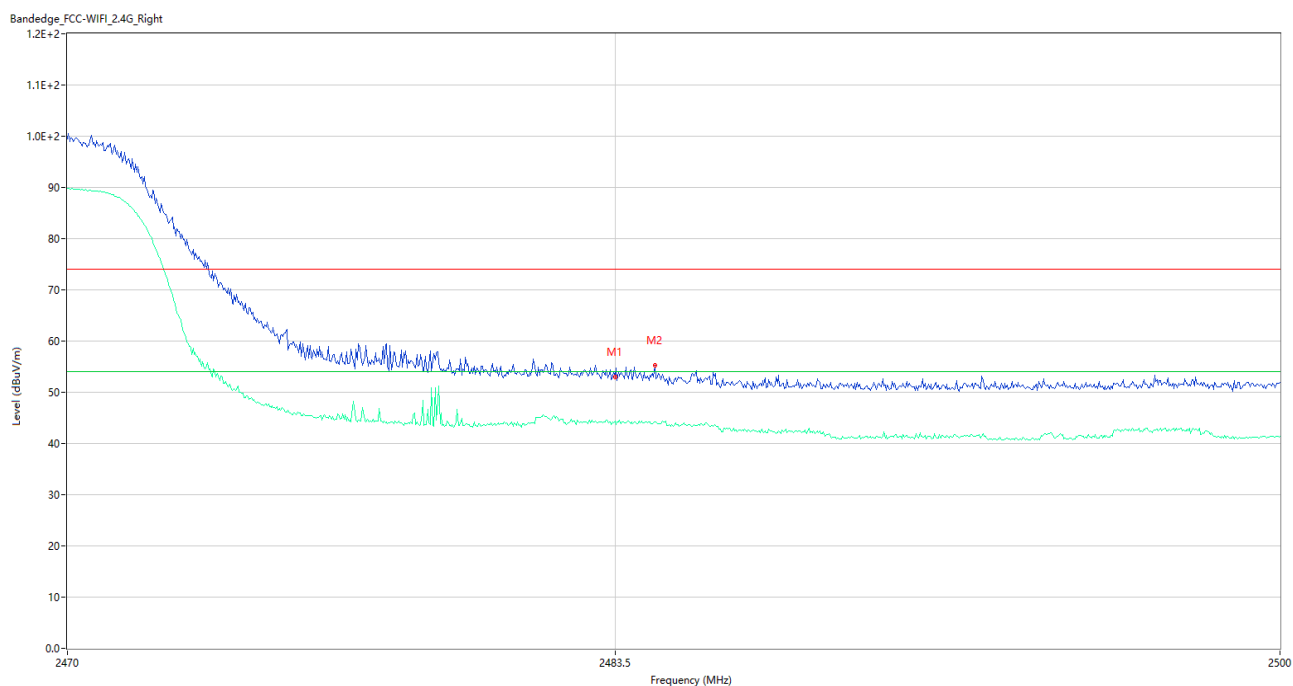
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.60	-3.78	74.0	21.40	Peak	76.00	150	Horizontal	Pass
1**	2483.500	43.34	-3.78	54.0	10.66	AV	76.00	150	Horizontal	Pass
2	2483.710	55.08	-3.78	74.0	18.92	Peak	40.00	150	Horizontal	Pass
2**	2483.710	43.40	-3.78	54.0	10.60	AV	40.00	150	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.94	-4.87	74.0	23.06	Peak	57.39	150	Horizontal	Pass
1**	2390.000	41.85	-4.87	54.0	12.15	AV	57.39	150	Horizontal	Pass
2	2378.700	53.27	-4.27	74.0	20.73	Peak	345.00	150	Horizontal	Pass
2**	2378.700	42.79	-4.27	54.0	11.21	AV	345.00	150	Horizontal	Pass

802.11 ax20(SU) HIGH CHANNEL



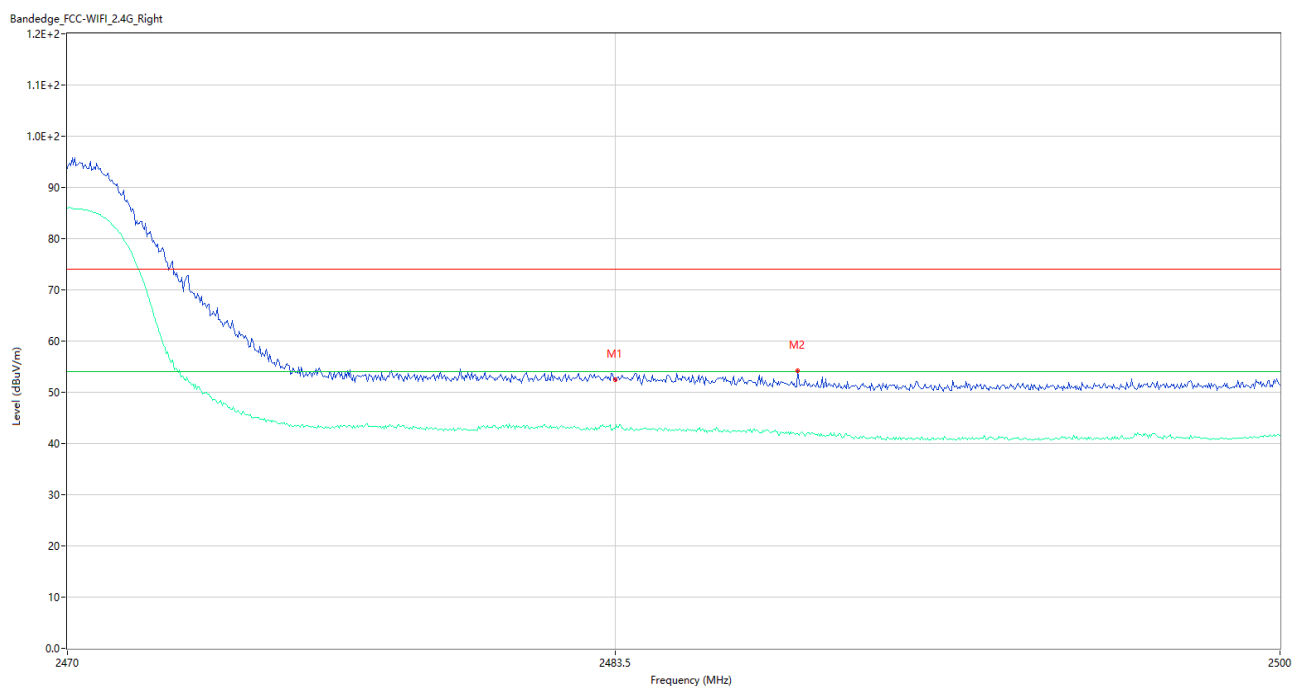
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.98	-3.78	74.0	21.02	Peak	339.00	150	Horizontal	Pass
1**	2483.500	44.44	-3.78	54.0	9.56	AV	339.00	150	Horizontal	Pass
2	2484.490	55.27	-3.78	74.0	18.73	Peak	0.00	150	Horizontal	Pass
2**	2484.490	44.13	-3.78	54.0	9.87	AV	0.00	150	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.71	-4.87	74.0	23.29	Peak	354.55	150	Horizontal	Pass
1**	2390.000	41.05	-4.87	54.0	12.95	AV	354.55	150	Horizontal	Pass
2	2378.600	52.59	-4.27	74.0	21.41	Peak	206.00	150	Horizontal	Pass
2**	2378.600	40.65	-4.27	54.0	13.35	AV	206.00	150	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.48	-3.78	74.0	21.52	Peak	27.00	150	Horizontal	Pass
1**	2483.500	42.83	-3.78	54.0	11.17	AV	27.00	150	Horizontal	Pass
2	2488.030	54.20	-3.81	74.0	19.80	Peak	2.00	150	Horizontal	Pass
2**	2488.030	41.94	-3.81	54.0	12.06	AV	2.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

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

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.83	8
Middle	-10.05	8
High	-10.18	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.91	8
Middle	-16.89	8
High	-15.33	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.68	8
Middle	-14.79	8
High	-14.04	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.94	8
Middle	-16.51	8
High	-17.40	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.83	8
Middle	-15.21	8
High	-15.24	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.92	8
Middle	-18.18	8
High	-17.31	8

Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.90	8
Middle	-10.68	8
High	-10.35	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.35	8
Middle	-14.87	8
High	-15.07	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.82	8
Middle	-13.53	8
High	-14.01	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.00	8
Middle	-16.22	8
High	-16.82	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.79	8
Middle	-14.97	8
High	-15.33	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.06	8
Middle	-16.70	8
High	-16.31	8

MIMO Antenna

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.61	8
Middle	-12.75	8
High	-12.19	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.22	8
Middle	-11.10	8
High	-11.01	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.43	8
Middle	-13.35	8
High	-14.09	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.80	8
Middle	-12.08	8
High	-12.27	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.46	8
Middle	-14.37	8
High	-13.77	8

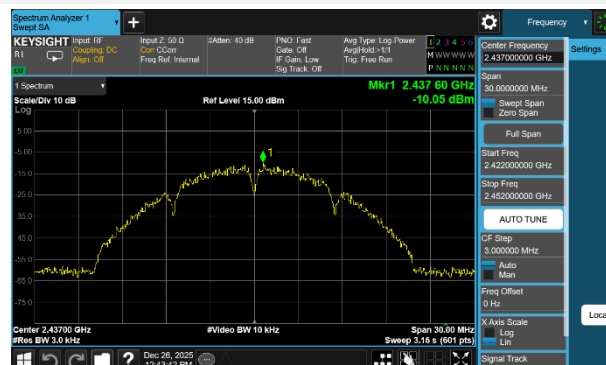
Test Plots

Main Antenna

802.11b LOW CHANNEL



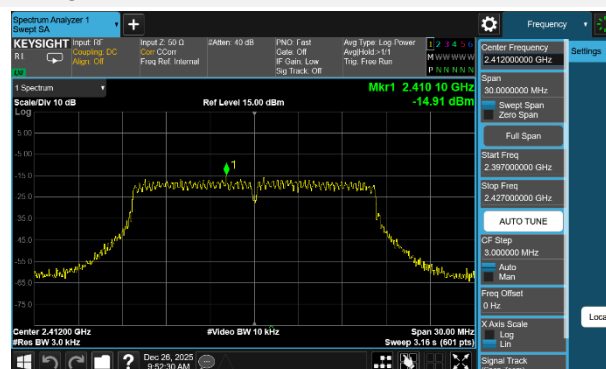
802.11b MIDDLE CHANNEL



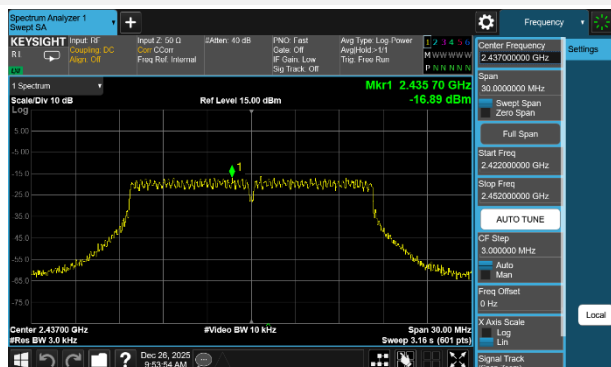
802.11b HIGH CHANNEL



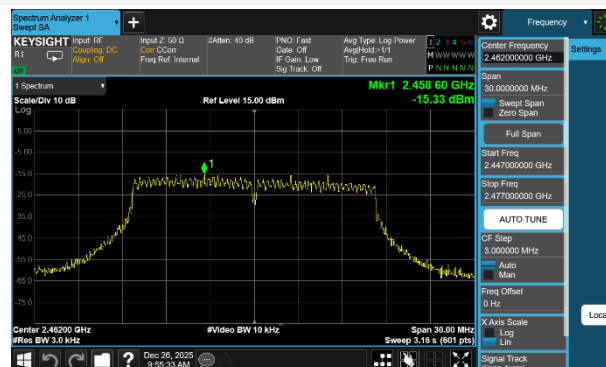
802.11g LOW CHANNEL



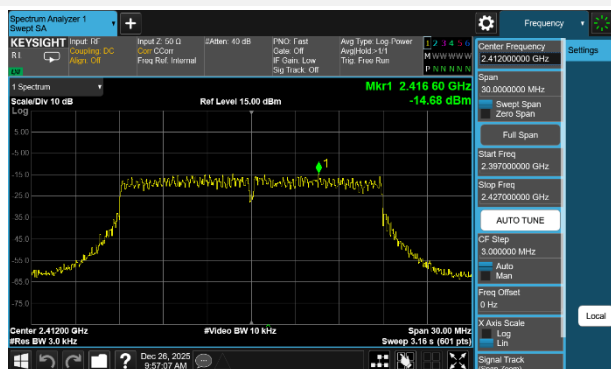
802.11g MIDDLE CHANNEL



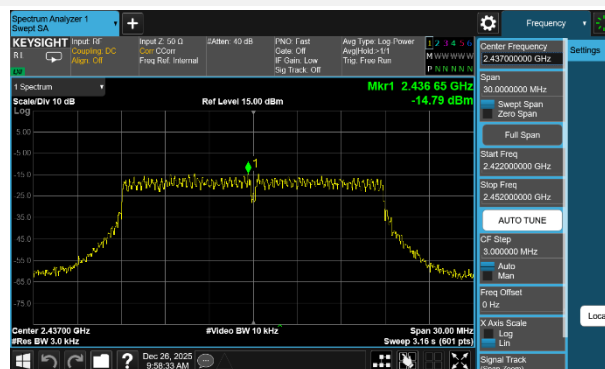
802.11g HIGH CHANNEL



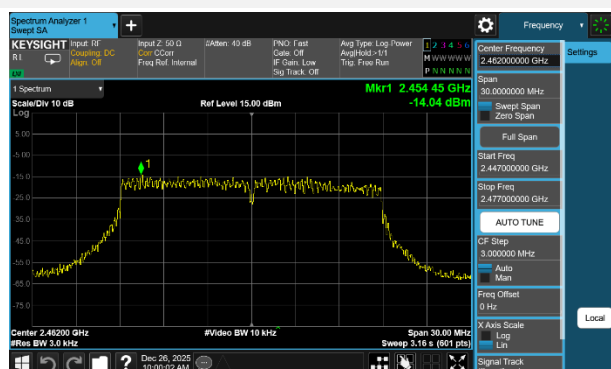
802.11n-20 MHz LOW CHANNEL



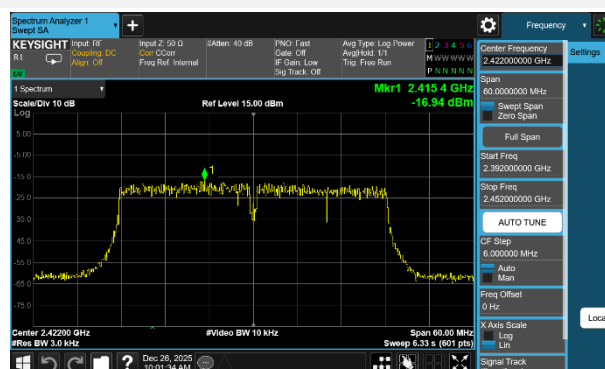
802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



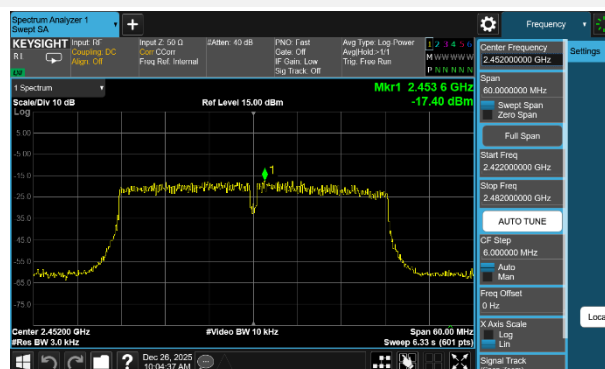
802.11n-40 MHz LOW CHANNEL



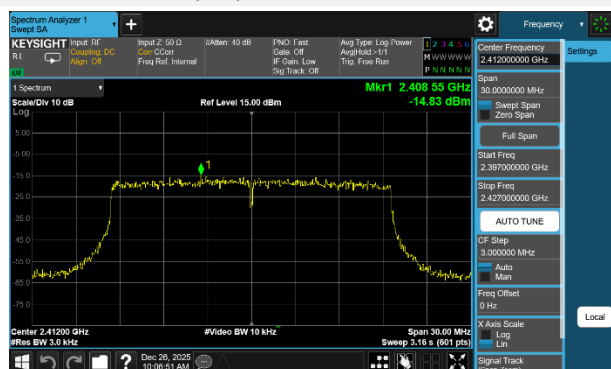
802.11n-40 MHz MIDDLE CHANNEL



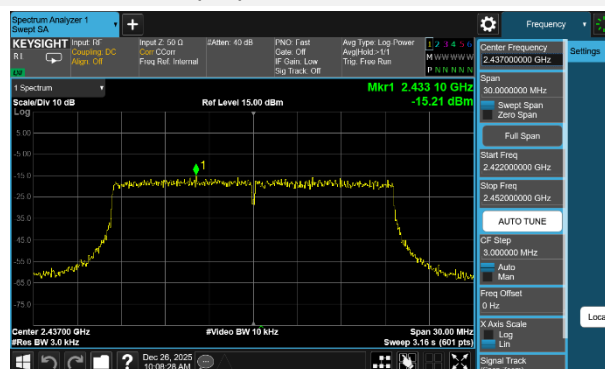
802.11n-40 MHz HIGH CHANNEL



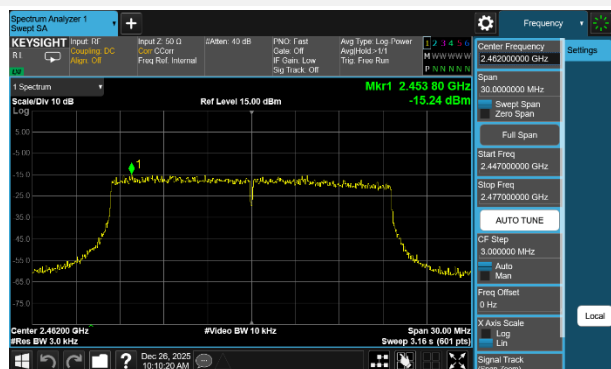
802.11ax-20 MHz(SU) LOW CHANNEL



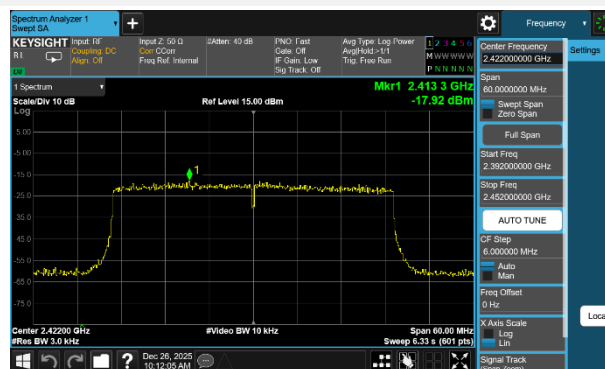
802.11ax-20 MHz(SU) MIDDLE CHANNEL



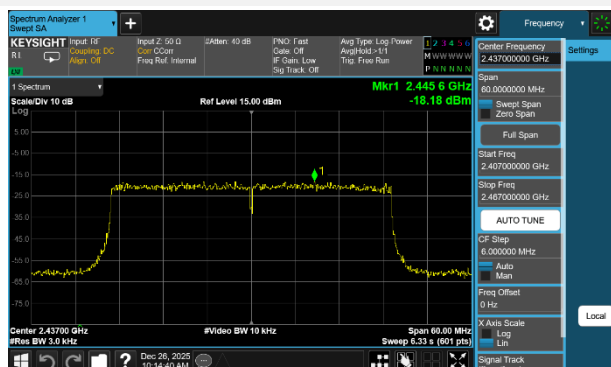
802.11ax-20 MHz(SU) HIGH CHANNEL



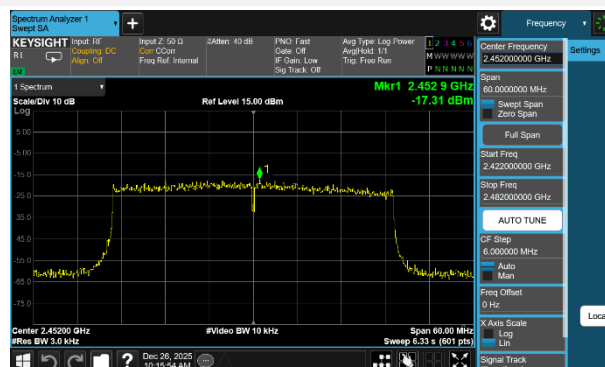
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL

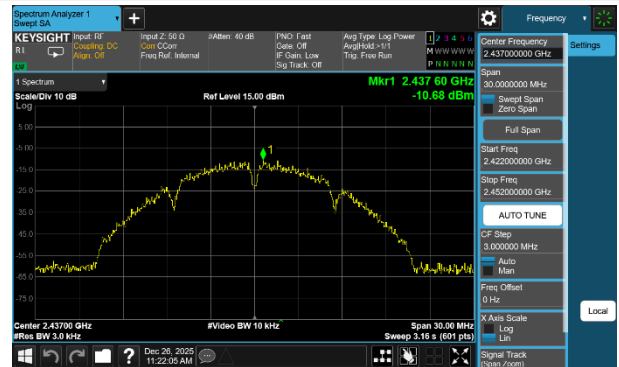


Aux. Antenna

802.11b LOW CHANNEL



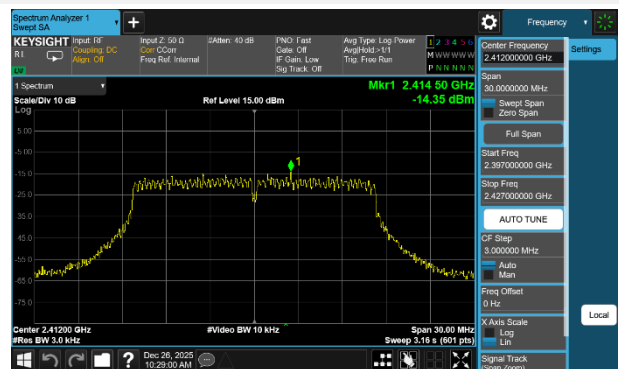
802.11b MIDDLE CHANNEL



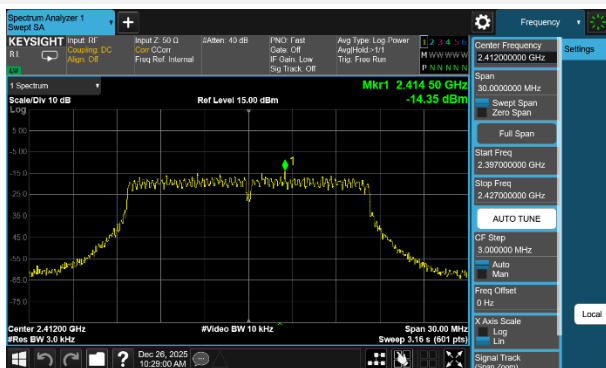
802.11b HIGH CHANNEL



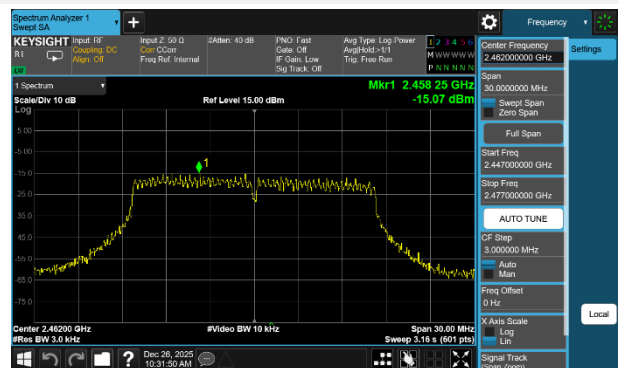
802.11g LOW CHANNEL



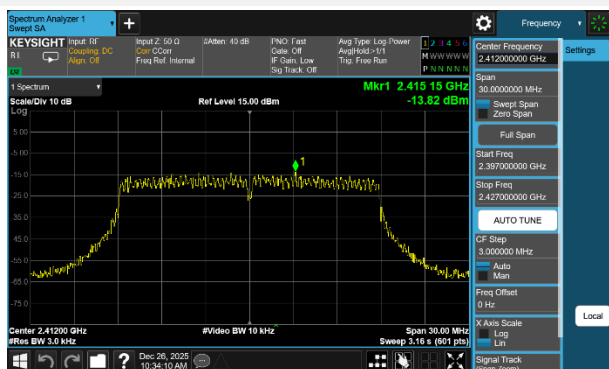
802.11g MIDDLE CHANNEL



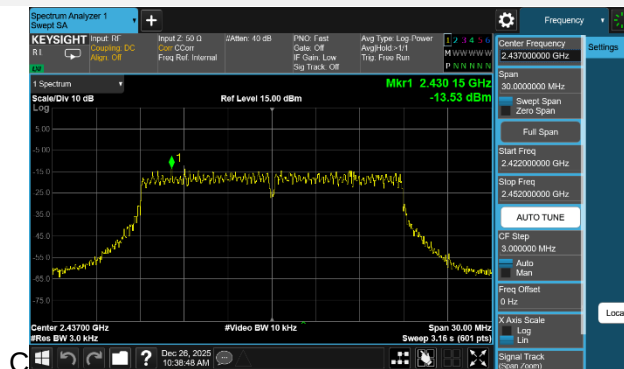
802.11g HIGH CHANNEL



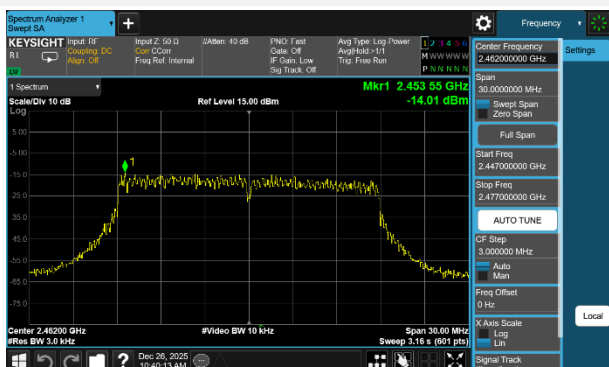
802.11n-20 MHz LOW CHANNEL



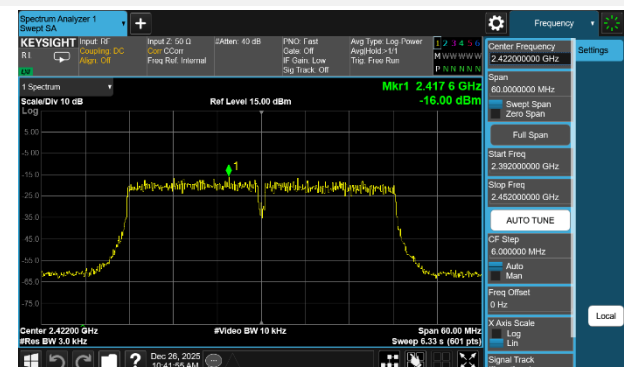
802.11 n-20 MHz MIDDLE CHANNEL



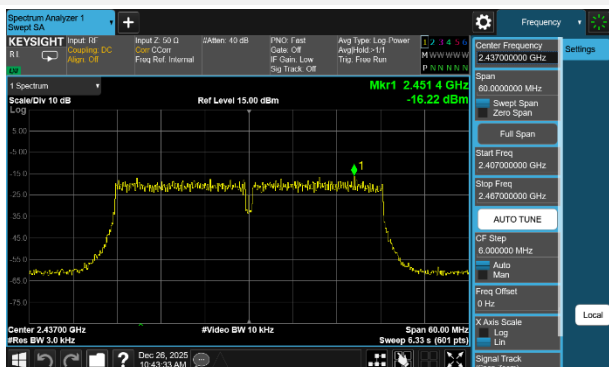
802.11n-20 MHz HIGH CHANNEL



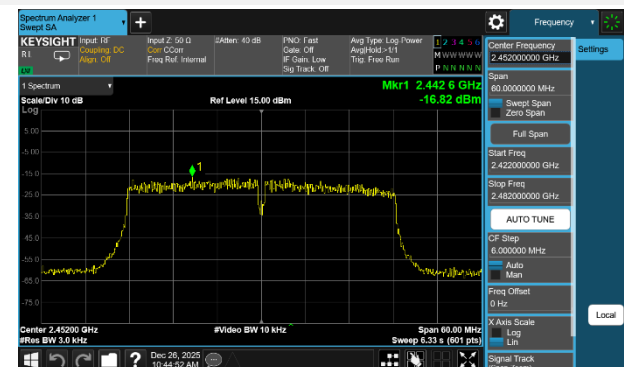
802.11n-40 MHz LOW CHANNEL



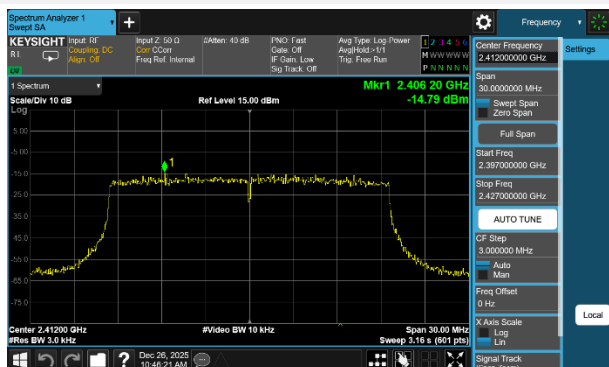
802.11n-40 MHz MIDDLE CHANNEL



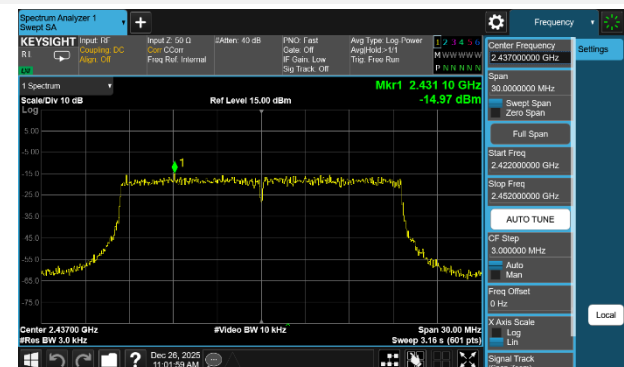
802.11n-40 MHz HIGH CHANNEL



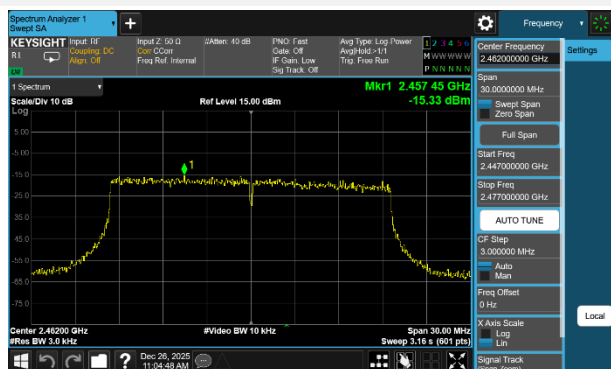
802.11ax-20 MHz(SU) LOW CHANNEL



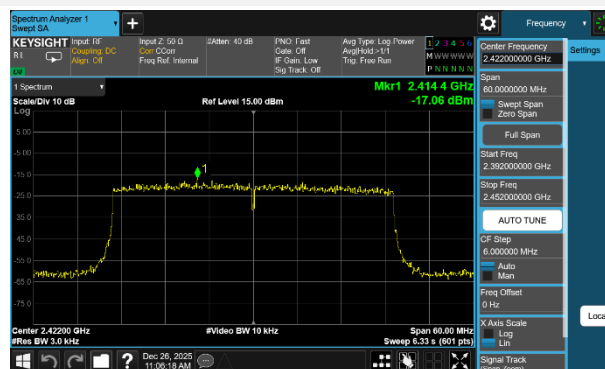
802.11ax-20 MHz(SU) MIDDLE CHANNEL



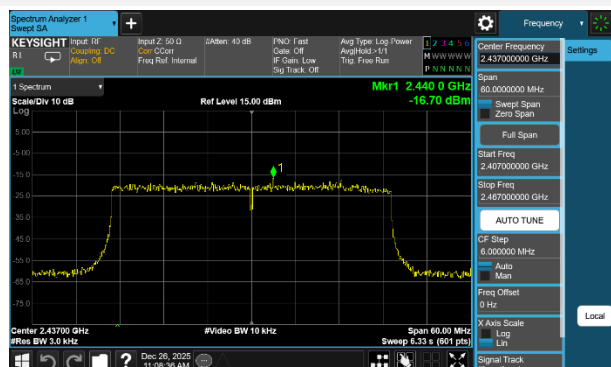
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2580981-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2580981-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2580981-AI.PDF”.

Statement

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

--END OF REPORT--