

802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



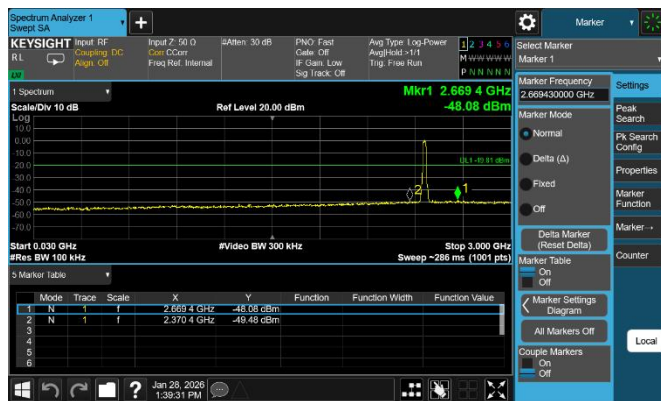
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



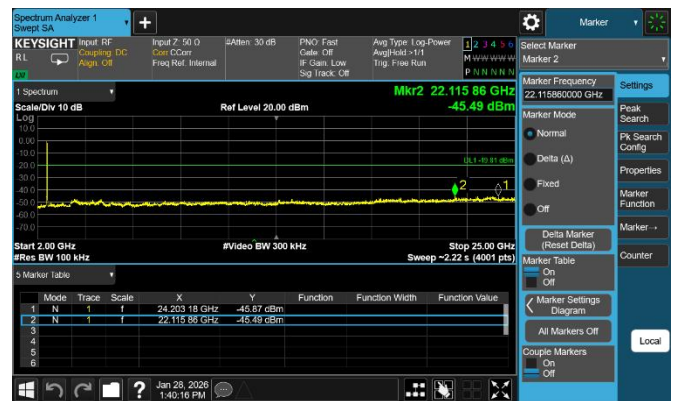
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



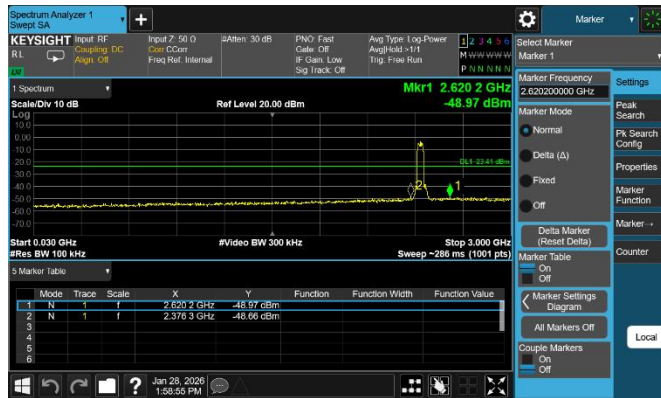
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



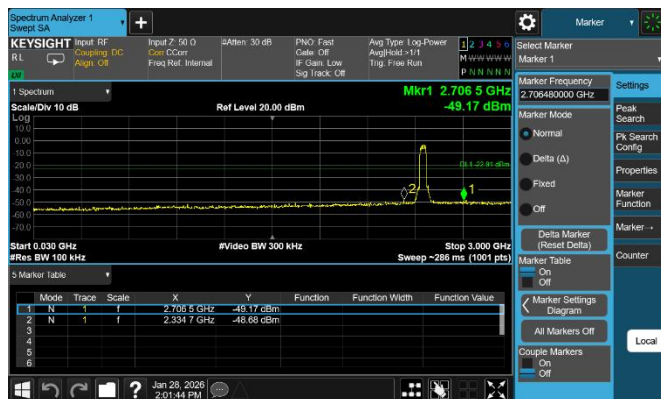
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-49.43	1.03	-18.97	Pass
High	-50.80	0.84	-19.16	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.08	-2.19	-22.19	Pass
High	-46.12	-0.92	-20.92	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.17	-0.47	-20.47	Pass
High	-41.81	0.19	-19.81	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.12	-3.18	-23.18	Pass
High	-35.77	-2.91	-22.91	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



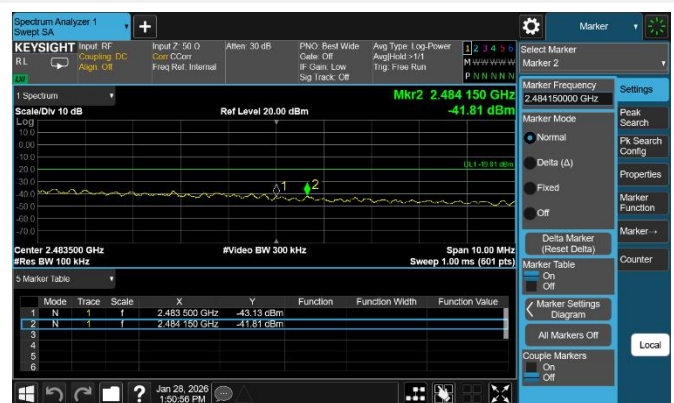
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

Note: Not applicable.

A.6 Radiated Emission

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

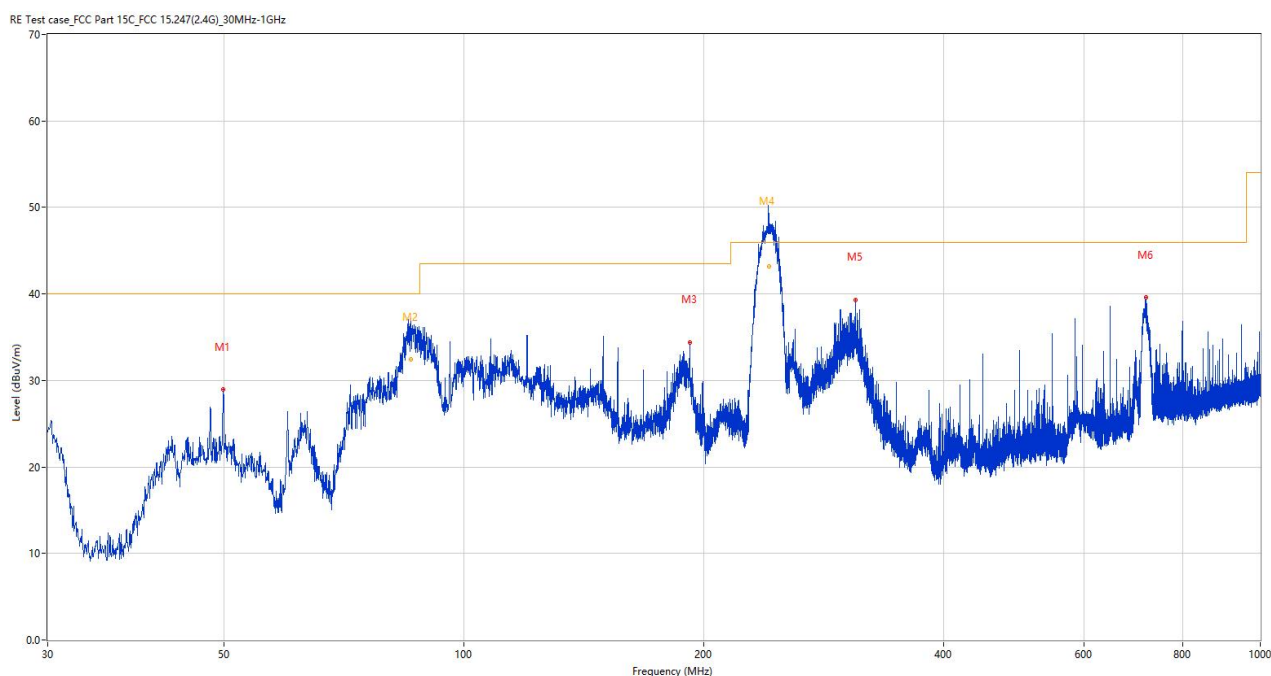
Note 2: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

Test Data and Plots

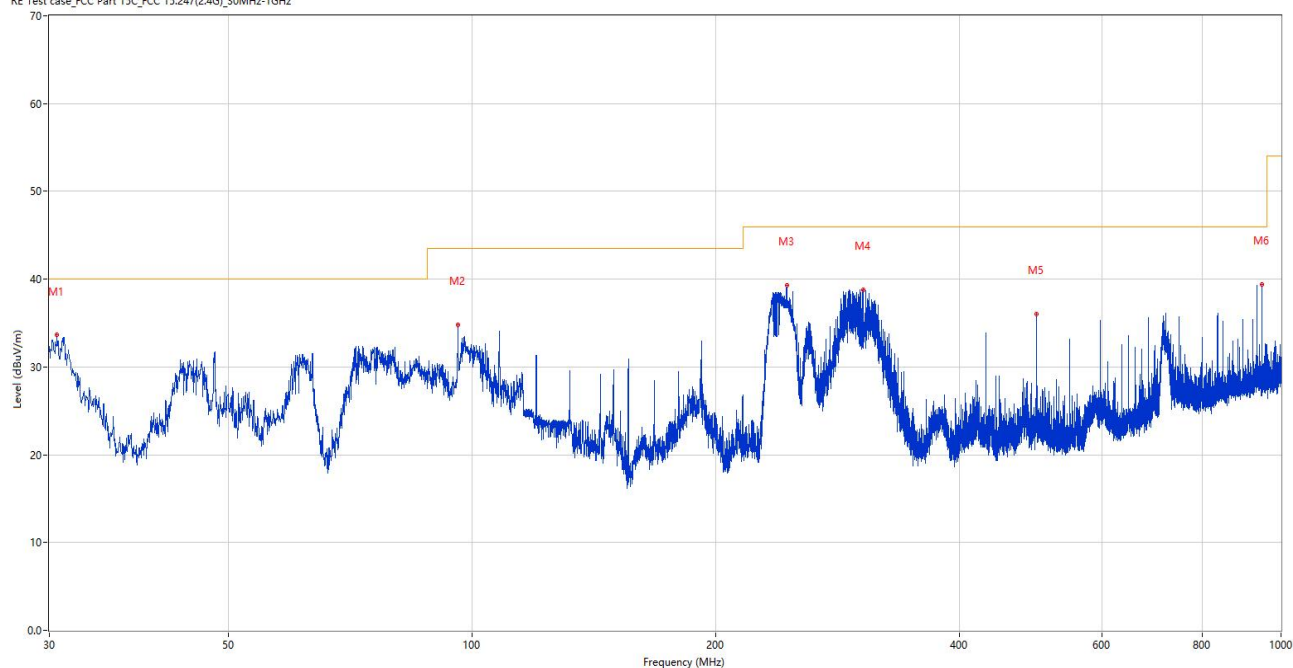
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.837	28.99	-24.52	40.0	11.01	Peak	158.00	200	Horizontal	Pass
2	85.831	36.76	-29.52	40.0	3.24	Peak	158.00	200	Horizontal	N/A
2*	85.831	32.44	-29.52	40.0	7.56	QP	158.00	200	Horizontal	Pass
3	191.990	34.43	-25.98	43.5	9.07	Peak	276.00	100	Horizontal	Pass
4	240.759	49.05	-24.42	46.0	-3.05	Peak	147.00	102	Horizontal	N/A
4*	240.759	42.82	-24.42	46.0	3.18	QP	147.00	102	Horizontal	Pass
5	310.378	39.30	-23.17	46.0	6.70	Peak	55.00	100	Horizontal	Pass
6	719.185	39.61	-13.28	46.0	6.39	Peak	8.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.679	33.63	-29.03	40.0	6.37	Peak	20.00	100	Vertical	Pass
2	95.960	34.78	-26.53	43.5	8.72	Peak	227.00	100	Vertical	Pass
3	244.758	39.29	-24.26	46.0	6.71	Peak	33.00	200	Vertical	Pass
4	304.219	38.75	-23.27	46.0	7.25	Peak	135.00	100	Vertical	Pass
5	498.413	36.00	-18.16	46.0	10.00	Peak	154.00	100	Vertical	Pass
6	946.844	39.41	-9.12	46.0	6.59	Peak	161.00	100	Vertical	Pass

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

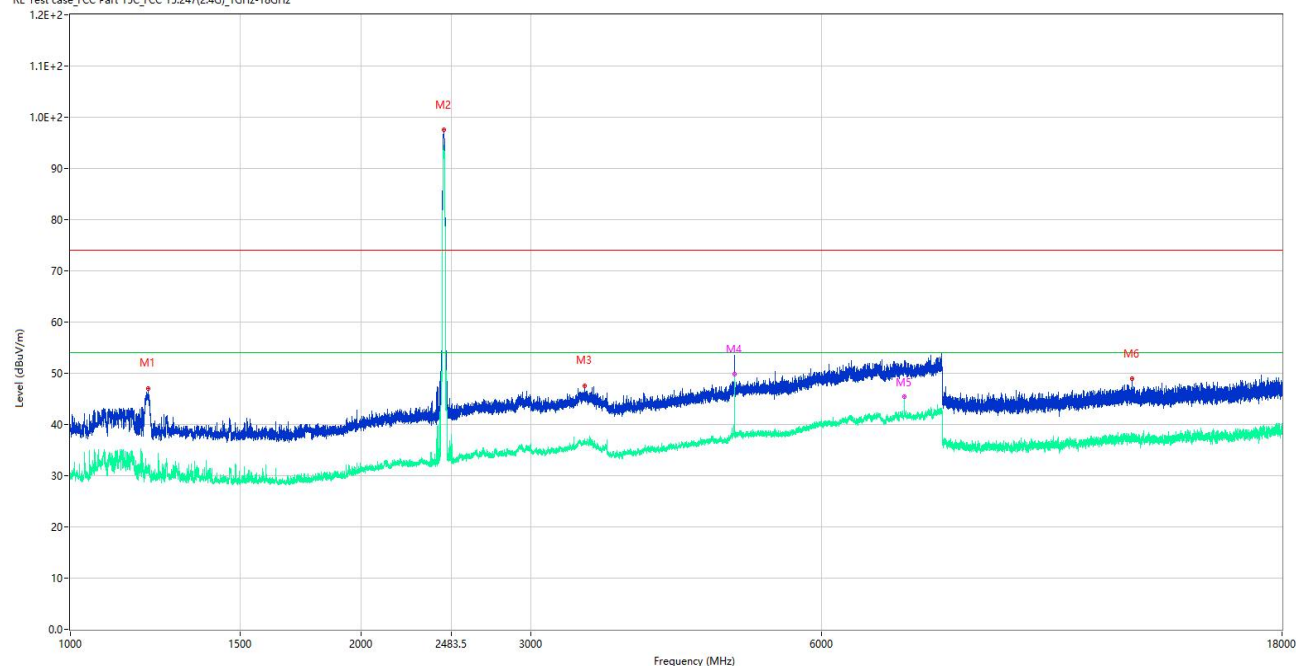
Note 2: The spurious above 18G is noise only, do not show on the report.

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

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

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

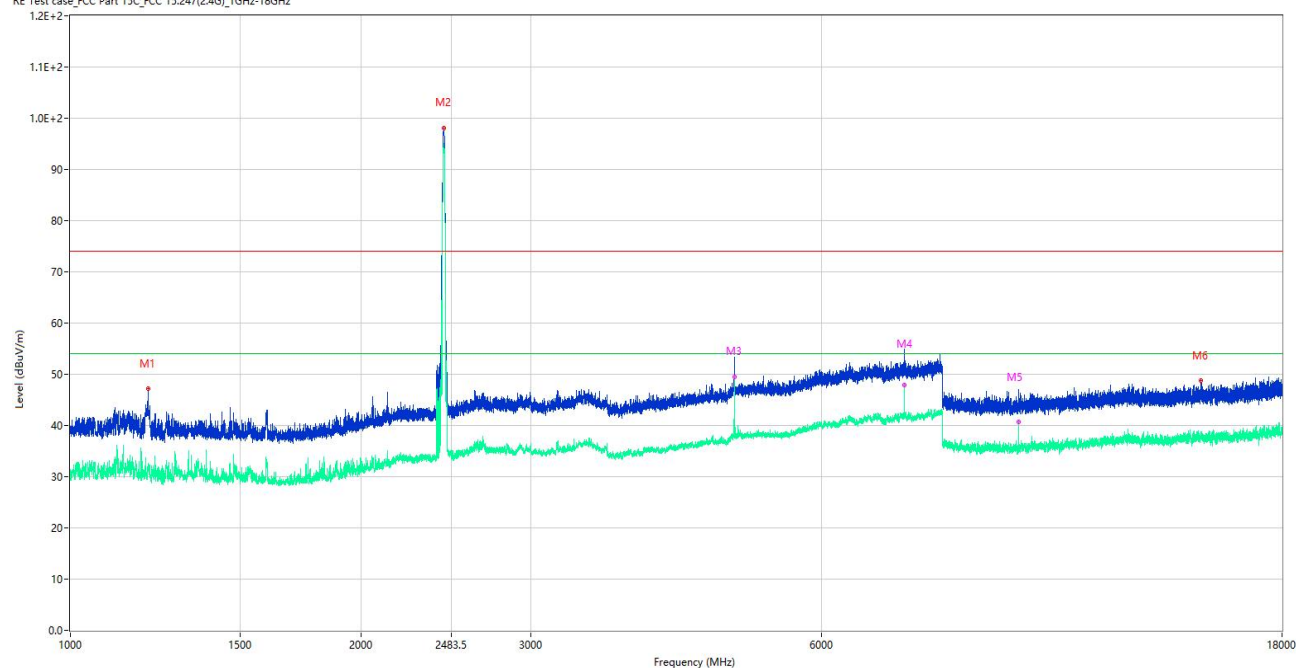
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.250	47.04	-15.77	74.0	26.96	Peak	257.00	150	Horizontal	Pass
1**	1204.250	30.74	-15.77	54.0	23.26	AV	257.00	150	Horizontal	Pass
2	2438.500	97.53	-12.37	74.0	-23.53	Peak	158.00	150	Horizontal	N/A
2**	2438.500	94.58	-12.37	54.0	-40.58	AV	158.00	150	Horizontal	N/A
3	3410.000	47.55	-5.33	74.0	26.45	Peak	260.00	150	Horizontal	Pass
3**	3410.000	36.39	-5.33	54.0	17.61	AV	260.00	150	Horizontal	Pass
4	4874.500	51.73	-2.25	74.0	22.27	Peak	320.00	150	Horizontal	Pass
4**	4874.500	49.80	-2.25	54.0	4.20	AV	320.00	150	Horizontal	Pass
5	7312.500	52.41	0.64	74.0	21.59	Peak	23.00	150	Horizontal	Pass
5**	7312.500	45.48	0.64	54.0	8.52	AV	23.00	150	Horizontal	Pass
6	12576.500	48.92	-2.76	74.0	25.08	Peak	360.00	150	Horizontal	Pass
6**	12576.500	37.27	-2.76	54.0	16.73	AV	360.00	150	Horizontal	Pass

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

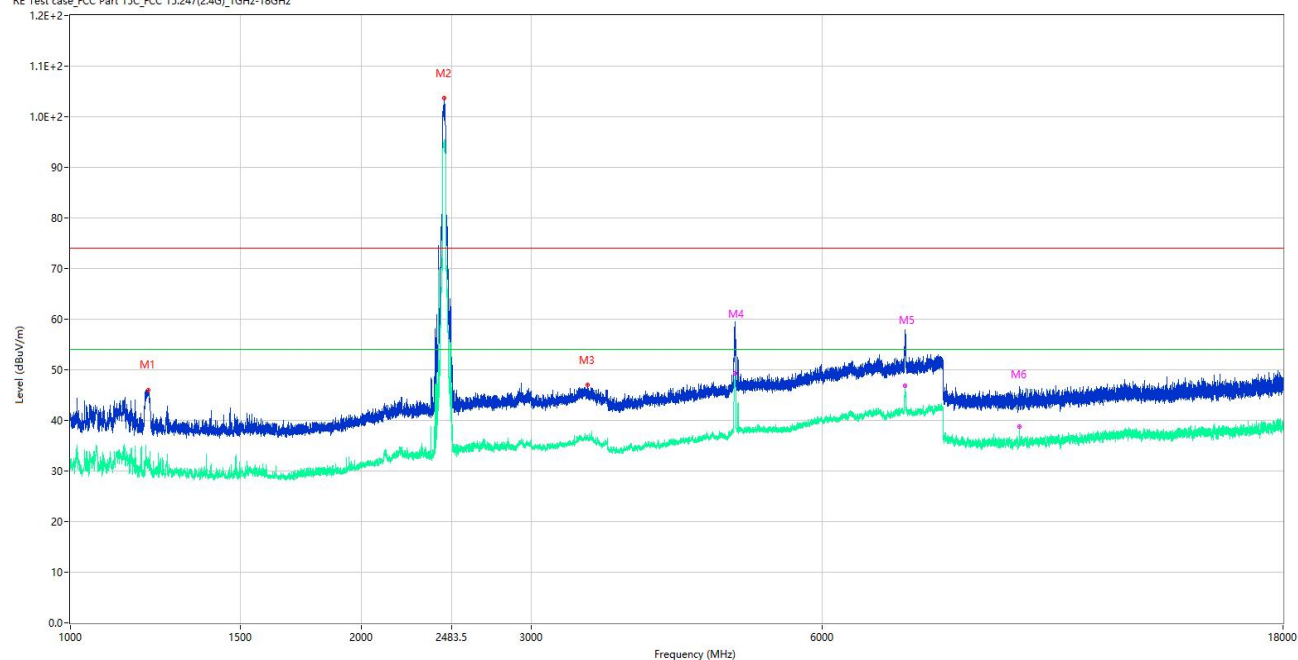
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.000	47.17	-15.75	74.0	26.83	Peak	149.00	150	Vertical	Pass
1**	1203.000	32.10	-15.75	54.0	21.90	AV	149.00	150	Vertical	Pass
2	2438.500	98.13	-12.37	74.0	-24.13	Peak	198.00	150	Vertical	N/A
2**	2438.500	95.17	-12.37	54.0	-41.17	AV	198.00	150	Vertical	N/A
3	4874.500	52.12	-2.25	74.0	21.88	Peak	100.00	150	Vertical	Pass
3**	4874.500	49.55	-2.25	54.0	4.45	AV	100.00	150	Vertical	Pass
4	7313.000	53.08	0.66	74.0	20.92	Peak	176.00	150	Vertical	Pass
4**	7313.000	47.91	0.66	54.0	6.09	AV	176.00	150	Vertical	Pass
5	9607.500	46.33	-3.22	74.0	27.67	Peak	235.00	150	Vertical	Pass
5**	9607.500	40.71	-3.22	54.0	13.29	AV	235.00	150	Vertical	Pass
6	14839.500	48.76	-0.22	74.0	25.24	Peak	360.00	150	Vertical	Pass
6**	14839.500	38.53	-0.22	54.0	15.47	AV	360.00	150	Vertical	Pass

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

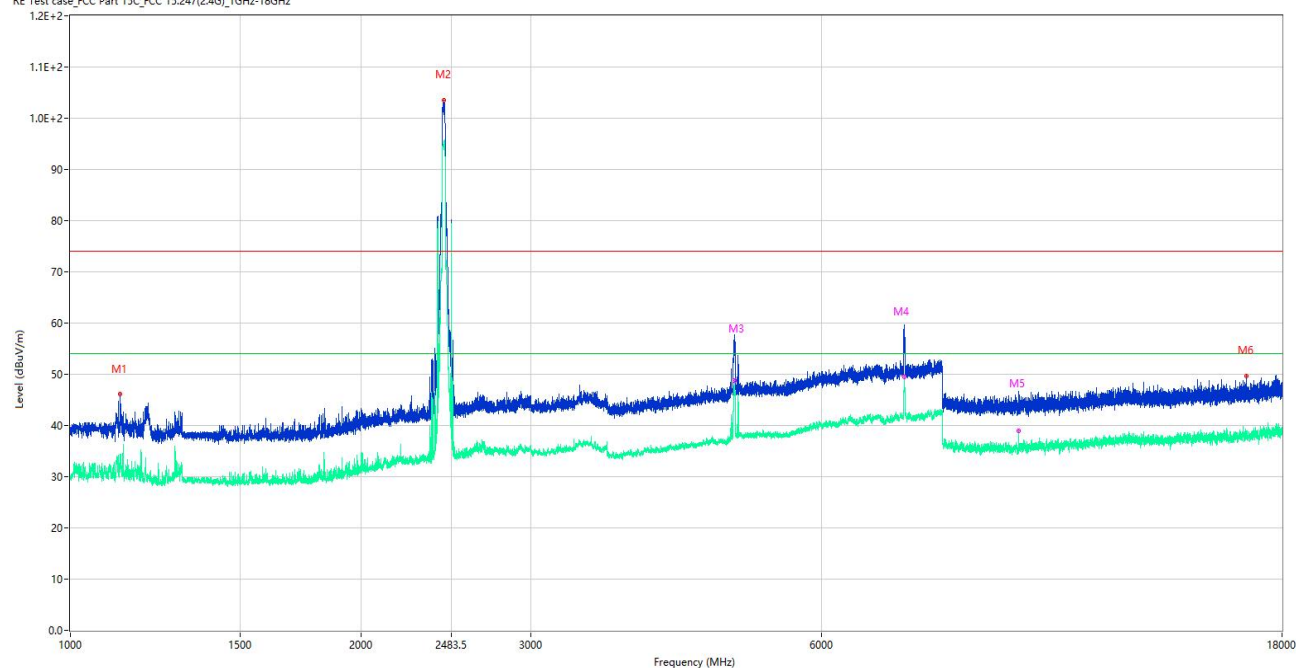
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.000	46.00	-15.75	74.0	28.00	Peak	261.00	150	Horizontal	Pass
1**	1203.000	32.01	-15.75	54.0	21.99	AV	261.00	150	Horizontal	Pass
2	2438.750	103.65	-12.37	74.0	-29.65	Peak	155.00	150	Horizontal	N/A
2**	2438.750	95.05	-12.37	54.0	-41.05	AV	155.00	150	Horizontal	N/A
3	3428.500	46.96	-4.96	74.0	27.04	Peak	45.00	150	Horizontal	Pass
3**	3428.500	36.79	-4.96	54.0	17.21	AV	45.00	150	Horizontal	Pass
4	4872.500	56.09	-2.22	74.0	17.91	Peak	332.00	150	Horizontal	Pass
4**	4872.500	49.29	-2.22	54.0	4.71	AV	332.00	150	Horizontal	Pass
5	7316.000	55.55	0.67	74.0	18.45	Peak	242.00	150	Horizontal	Pass
5**	7316.000	46.80	0.67	54.0	7.20	AV	242.00	150	Horizontal	Pass
6	9609.500	44.39	-3.21	74.0	29.61	Peak	0.00	150	Horizontal	Pass
6**	9609.500	38.79	-3.21	54.0	15.21	AV	0.00	150	Horizontal	Pass

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

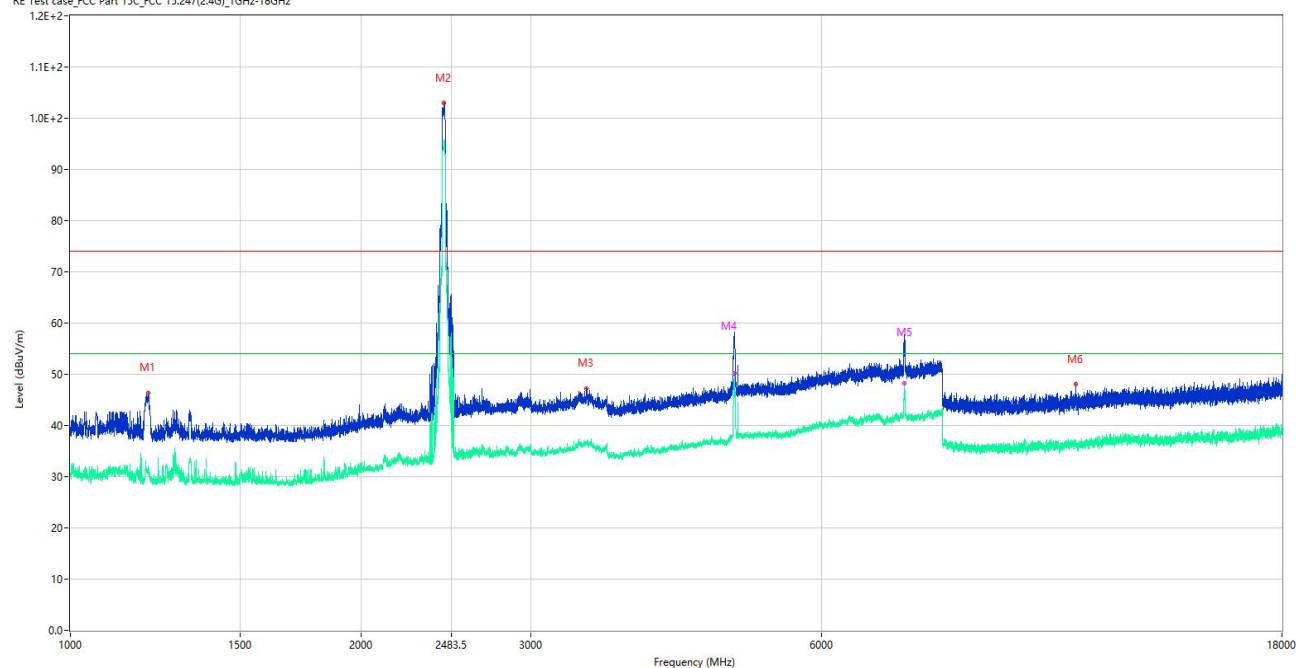
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1126.000	46.22	-15.62	74.0	27.78	Peak	231.00	150	Vertical	Pass
1**	1126.000	30.87	-15.62	54.0	23.13	AV	231.00	150	Vertical	Pass
2	2437.000	103.56	-12.37	74.0	-29.56	Peak	166.00	150	Vertical	N/A
2**	2437.000	93.87	-12.37	54.0	-39.87	AV	166.00	150	Vertical	N/A
3	4874.500	55.43	-2.25	74.0	18.57	Peak	224.00	150	Vertical	Pass
3**	4874.500	48.71	-2.25	54.0	5.29	AV	224.00	150	Vertical	Pass
4	7314.500	58.05	0.67	74.0	15.95	Peak	178.00	150	Vertical	Pass
4**	7314.500	49.39	0.67	54.0	4.61	AV	178.00	150	Vertical	Pass
5	9609.000	45.58	-3.20	74.0	28.42	Peak	360.00	150	Vertical	Pass
5**	9609.000	38.95	-3.20	54.0	15.05	AV	360.00	150	Vertical	Pass
6	16538.000	49.71	-1.74	74.0	24.29	Peak	236.00	150	Vertical	Pass
6**	16538.000	37.89	-1.74	54.0	16.11	AV	236.00	150	Vertical	Pass

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

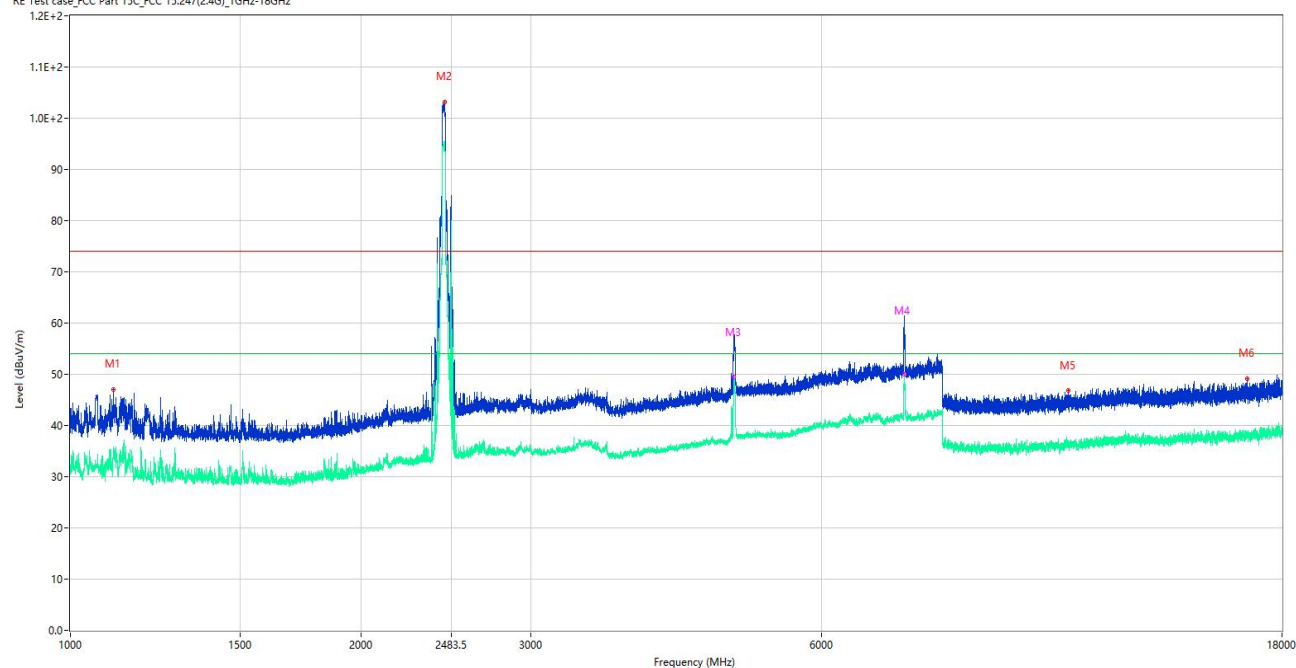
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.000	46.36	-15.77	74.0	27.64	Peak	253.00	150	Horizontal	Pass
1**	1204.000	31.43	-15.77	54.0	22.57	AV	253.00	150	Horizontal	Pass
2	2439.500	102.98	-12.37	74.0	-28.98	Peak	155.00	150	Horizontal	N/A
2**	2439.500	95.56	-12.37	54.0	-41.56	AV	155.00	150	Horizontal	N/A
3	3424.000	47.20	-4.92	74.0	26.80	Peak	203.00	150	Horizontal	Pass
3**	3424.000	36.41	-4.92	54.0	17.59	AV	203.00	150	Horizontal	Pass
4	4877.500	55.95	-2.25	74.0	18.05	Peak	12.00	150	Horizontal	Pass
4**	4877.500	50.13	-2.25	54.0	3.87	AV	12.00	150	Horizontal	Pass
5	7315.000	57.65	0.67	74.0	16.35	Peak	233.00	150	Horizontal	Pass
5**	7315.000	48.17	0.67	54.0	5.83	AV	233.00	150	Horizontal	Pass
6	10997.500	48.02	-2.81	74.0	25.98	Peak	0.00	150	Horizontal	Pass
6**	10997.500	36.33	-2.81	54.0	17.67	AV	0.00	150	Horizontal	Pass

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

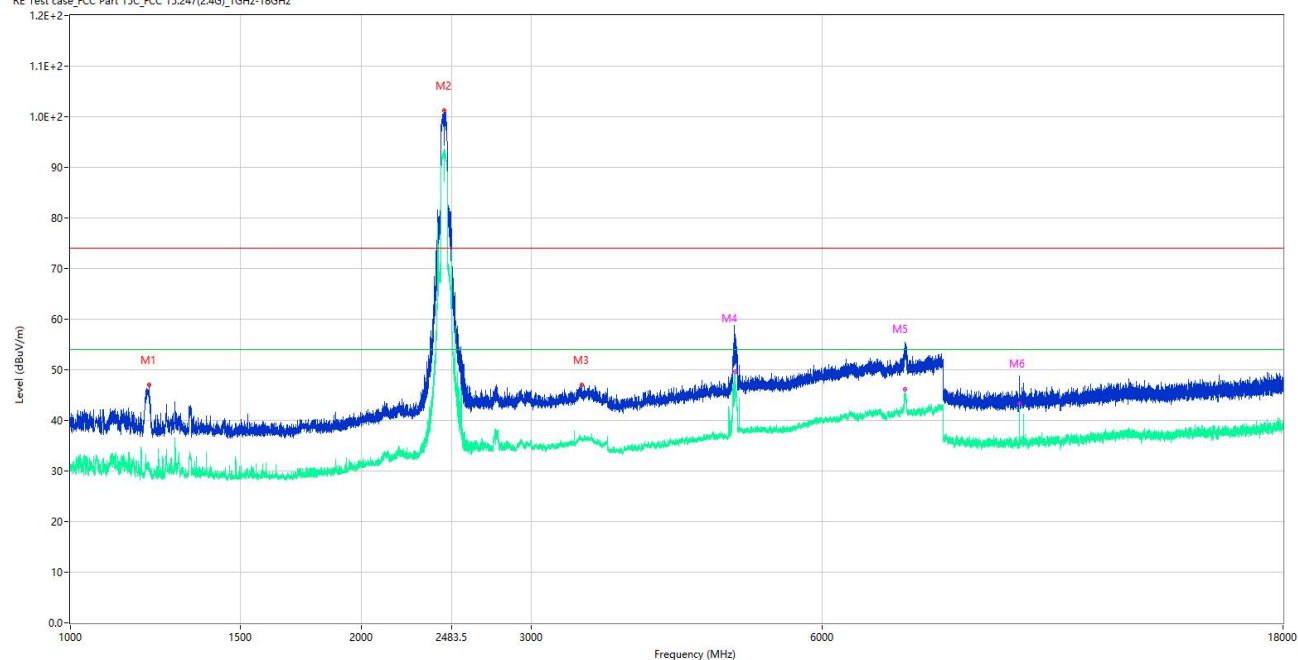
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1108.750	47.10	-15.76	74.0	26.90	Peak	247.00	150	Vertical	Pass
1**	1108.750	35.00	-15.76	54.0	19.00	AV	247.00	150	Vertical	Pass
2	2441.000	103.22	-12.39	74.0	-29.22	Peak	210.00	150	Vertical	N/A
2**	2441.000	95.49	-12.39	54.0	-41.49	AV	210.00	150	Vertical	N/A
3	4870.500	55.25	-2.16	74.0	18.75	Peak	206.00	150	Vertical	Pass
3**	4870.500	49.39	-2.16	54.0	4.61	AV	206.00	150	Vertical	Pass
4	7315.500	59.24	0.68	74.0	14.76	Peak	178.00	150	Vertical	Pass
4**	7315.500	49.97	0.68	54.0	4.03	AV	178.00	150	Vertical	Pass
5	10805.000	46.81	-3.18	74.0	27.19	Peak	322.00	150	Vertical	Pass
5**	10805.000	36.18	-3.18	54.0	17.82	AV	322.00	150	Vertical	Pass
6	16550.500	49.09	-1.05	74.0	24.91	Peak	292.00	150	Vertical	Pass
6**	16550.500	38.39	-1.05	54.0	15.61	AV	292.00	150	Vertical	Pass

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

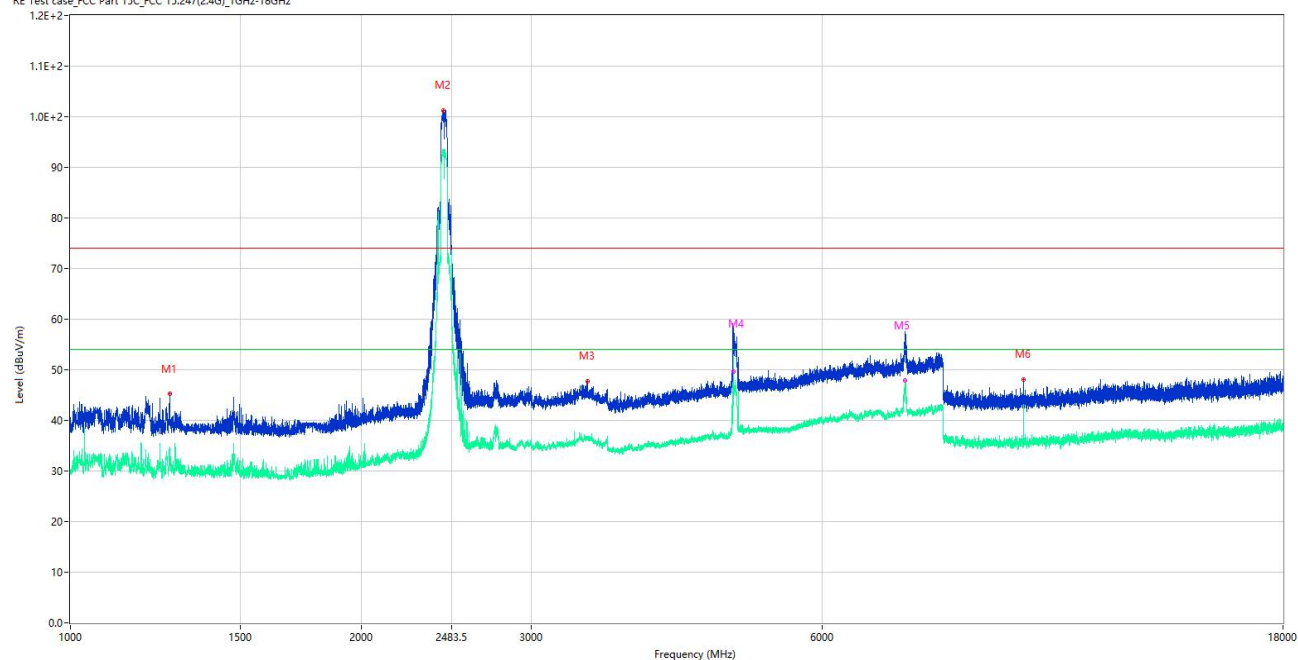
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1206.000	46.93	-15.78	74.0	27.07	Peak	258.00	150	Horizontal	Pass
1**	1206.000	30.76	-15.78	54.0	23.24	AV	258.00	150	Horizontal	Pass
2	2438.750	101.19	-12.37	74.0	-27.19	Peak	157.00	150	Horizontal	N/A
2**	2438.750	93.23	-12.37	54.0	-39.23	AV	157.00	150	Horizontal	N/A
3	3385.500	46.98	-5.47	74.0	27.02	Peak	261.00	150	Horizontal	Pass
3**	3385.500	36.37	-5.47	54.0	17.63	AV	261.00	150	Horizontal	Pass
4	4875.500	56.22	-2.26	74.0	17.78	Peak	321.00	150	Horizontal	Pass
4**	4875.500	49.63	-2.26	54.0	4.37	AV	321.00	150	Horizontal	Pass
5	7317.500	52.65	0.69	74.0	21.35	Peak	360.00	150	Horizontal	Pass
5**	7317.500	46.22	0.69	54.0	7.78	AV	360.00	150	Horizontal	Pass
6	9607.500	47.40	-3.22	74.0	26.60	Peak	294.00	150	Horizontal	Pass
6**	9607.500	43.32	-3.22	54.0	10.68	AV	294.00	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	1266.750	45.27	-15.95	74.0	28.73	Peak	293.00	150	Vertical	Pass
1**	1266.750	31.76	-15.95	54.0	22.24	AV	293.00	150	Vertical	Pass
2	2432.250	101.29	-12.29	74.0	-27.29	Peak	160.00	150	Vertical	N/A
2**	2432.250	93.01	-12.29	54.0	-39.01	AV	160.00	150	Vertical	N/A
3	3429.500	47.74	-5.02	74.0	26.26	Peak	260.00	150	Vertical	Pass
3**	3429.500	36.44	-5.02	54.0	17.56	AV	260.00	150	Vertical	Pass
4	4853.500	54.11	-2.05	74.0	19.89	Peak	2.00	150	Vertical	Pass
4**	4853.500	49.64	-2.05	54.0	4.36	AV	2.00	150	Vertical	Pass
5	7314.000	54.70	0.68	74.0	19.30	Peak	181.00	150	Vertical	Pass
5**	7314.000	47.81	0.68	54.0	6.19	AV	181.00	150	Vertical	Pass
6	9704.500	48.12	-3.44	74.0	25.88	Peak	348.00	150	Vertical	Pass
6**	9704.500	39.35	-3.44	54.0	14.65	AV	348.00	150	Vertical	Pass

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

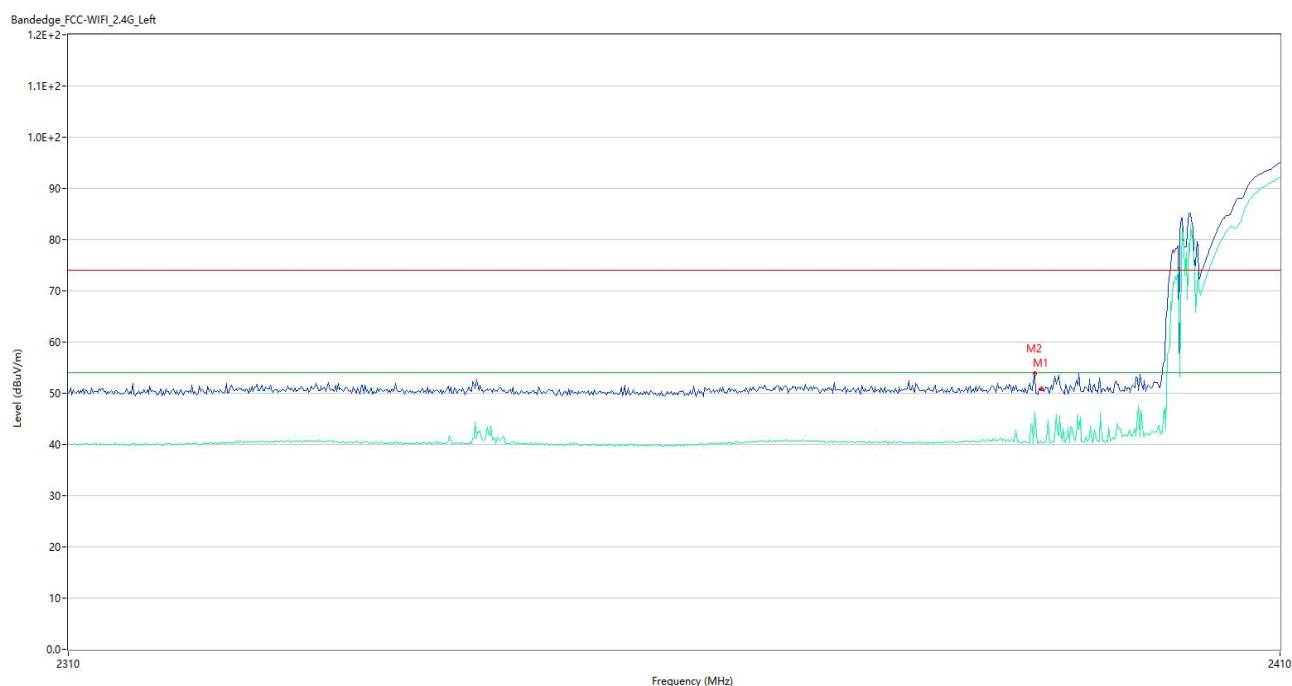
Note 1: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

Test Data and Plots

802.11b LOW CHANNEL



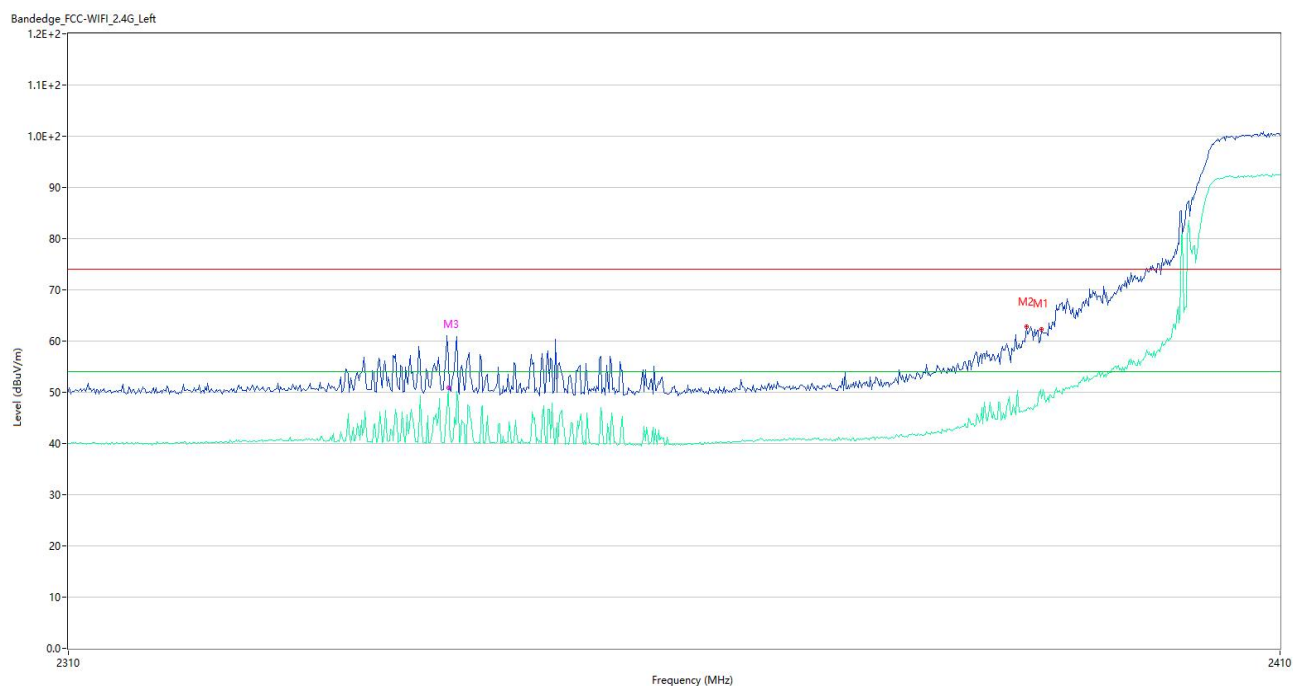
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.88	-4.87	74.0	23.12	Peak	359.55	150	Vertical	Pass
1**	2390.000	40.43	-4.87	54.0	13.57	AV	359.55	150	Vertical	Pass
2	2389.400	53.79	-4.84	74.0	20.21	Peak	215.00	150	Vertical	Pass
2**	2389.400	46.38	-4.84	54.0	7.62	AV	215.00	150	Vertical	Pass

802.11b HIGH CHANNEL



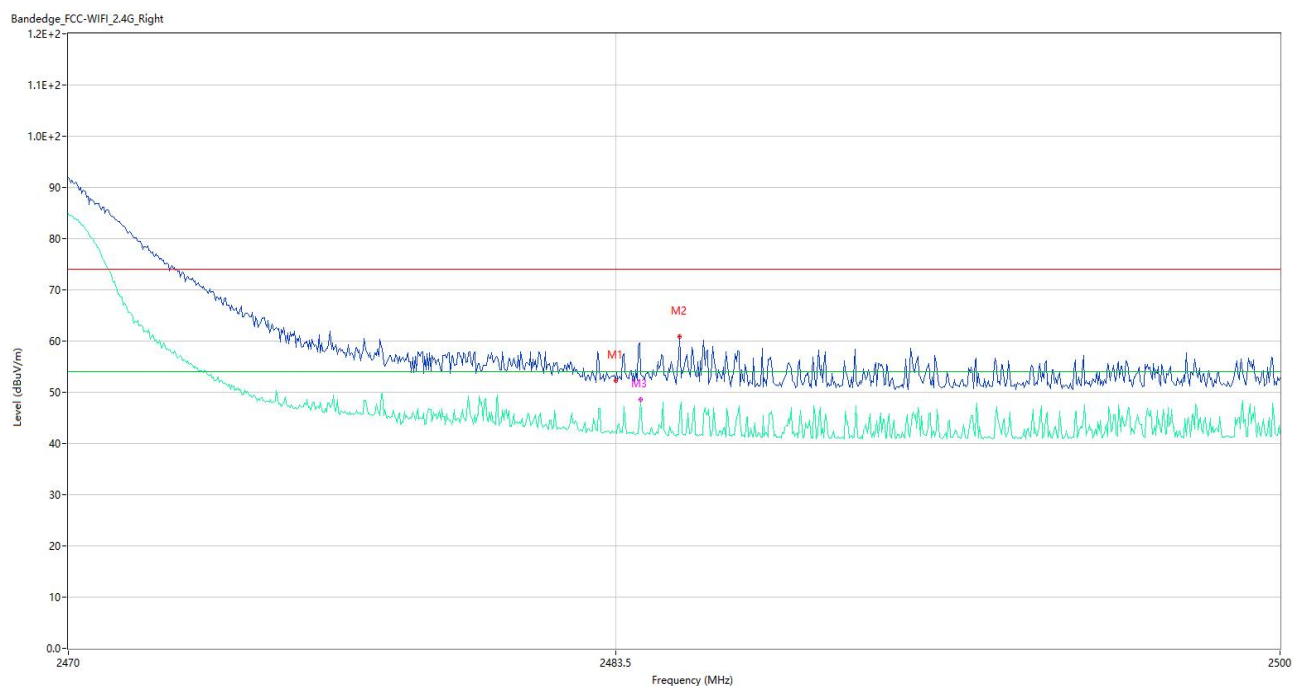
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.74	-3.78	74.0	22.26	Peak	207.00	150	Vertical	Pass
1**	2483.500	41.05	-3.78	54.0	12.95	AV	207.00	150	Vertical	Pass
2	2498.290	55.43	-3.97	74.0	18.57	Peak	205.00	150	Vertical	Pass
2**	2498.290	50.52	-3.97	54.0	3.48	AV	205.00	150	Vertical	Pass

802.11g LOW CHANNEL



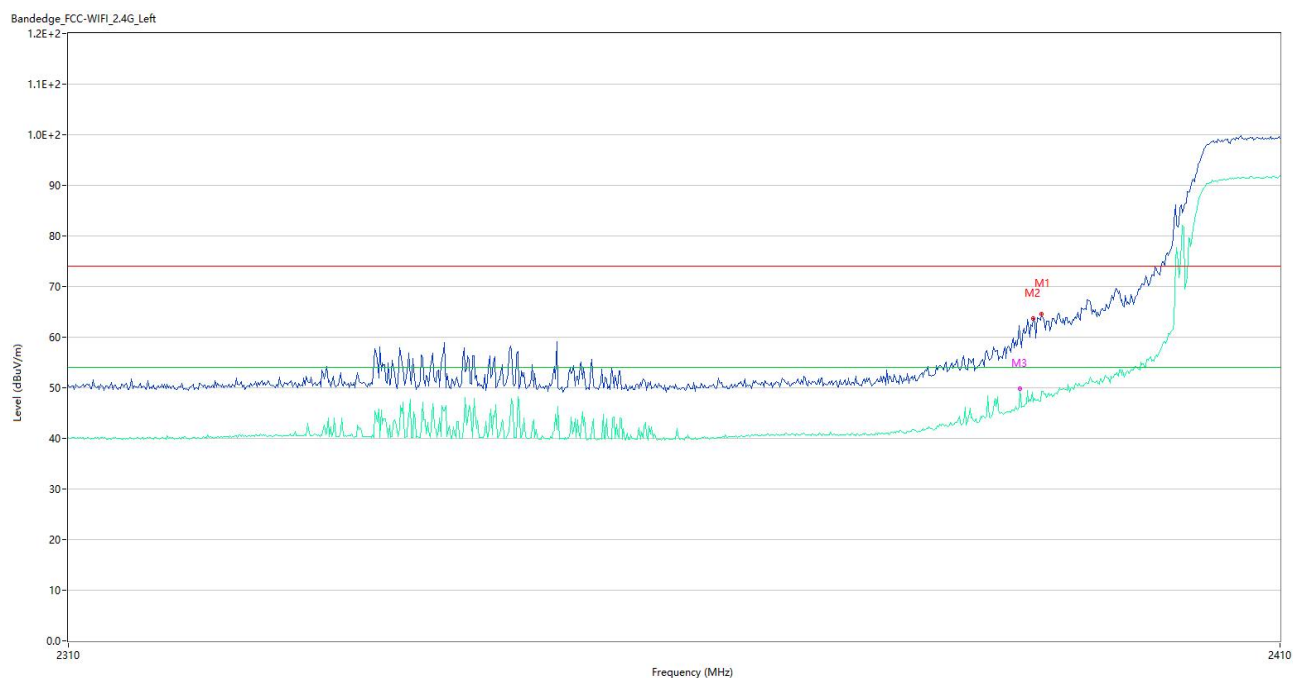
No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.33	-4.87	74.0	11.67	Peak	187.04	150	Vertical	Pass
1**	2390.000	48.84	-4.87	54.0	5.16	AV	187.04	150	Vertical	Pass
2	2388.700	62.88	-4.80	74.0	11.12	Peak	187.00	150	Vertical	Pass
2**	2388.700	46.53	-4.80	54.0	7.47	AV	187.00	150	Vertical	Pass
3	2340.900	56.64	-4.40	74.0	17.36	Peak	213.00	150	Vertical	Pass
3**	2340.900	50.96	-4.40	54.0	3.04	AV	213.00	150	Vertical	Pass

802.11g HIGH CHANNEL



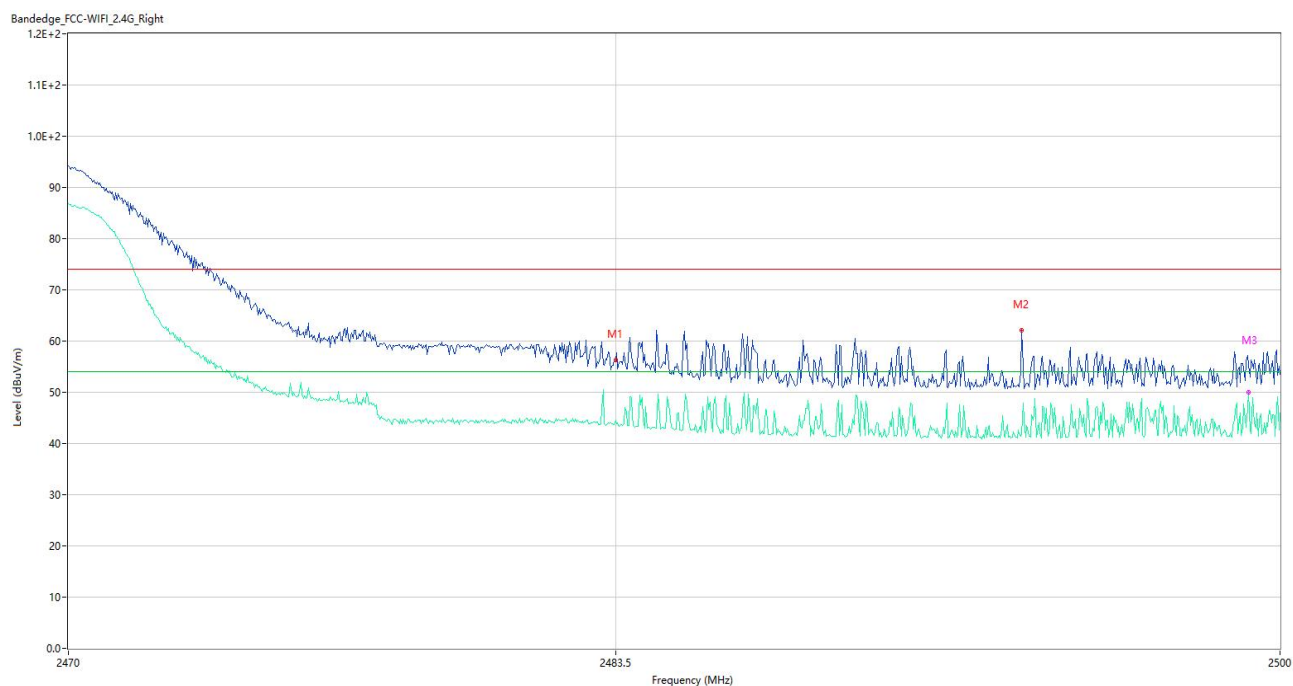
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.28	-3.78	74.0	21.72	Peak	200.00	150	Vertical	Pass
1**	2483.500	42.03	-3.78	54.0	11.97	AV	200.00	150	Vertical	Pass
2	2485.090	60.83	-3.78	74.0	13.17	Peak	209.00	150	Vertical	Pass
2**	2485.090	46.03	-3.78	54.0	7.97	AV	209.00	150	Vertical	Pass
3	2484.130	53.45	-3.78	74.0	20.55	Peak	5.00	150	Vertical	Pass
3**	2484.130	48.55	-3.78	54.0	5.45	AV	5.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



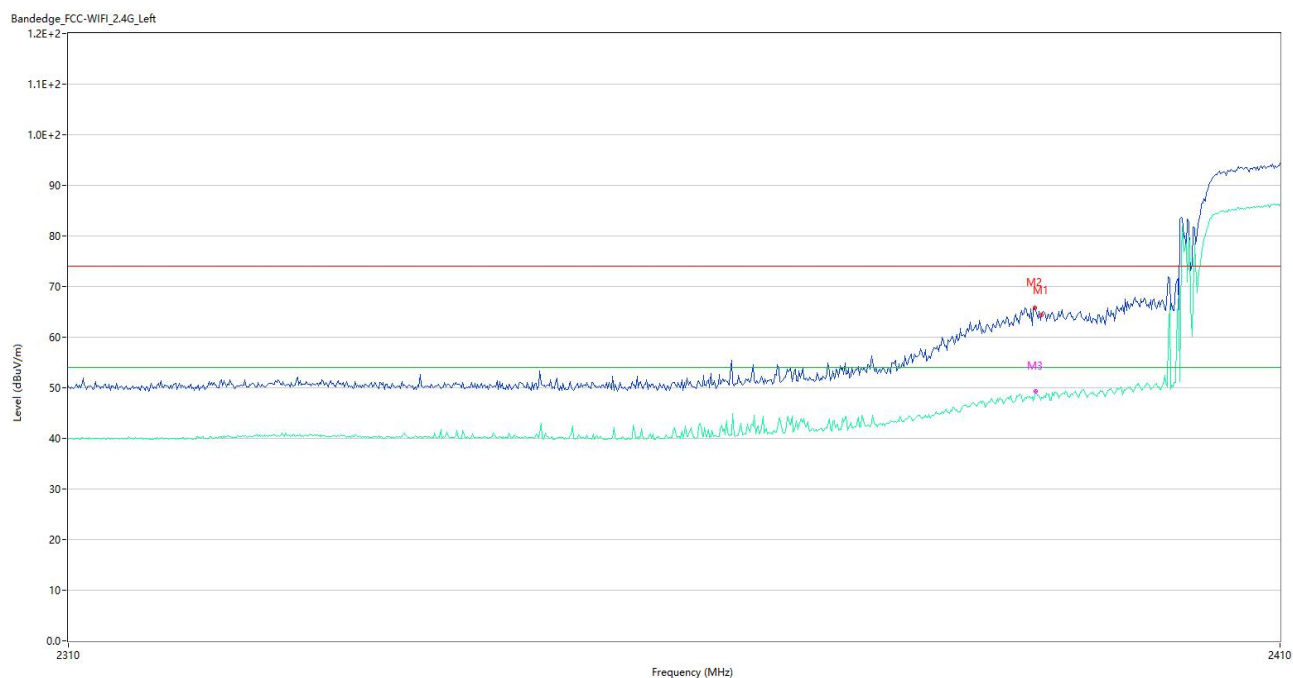
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.65	-4.87	74.0	9.35	Peak	189.03	150	Vertical	Pass
1**	2390.000	49.38	-4.87	54.0	4.62	AV	189.03	150	Vertical	Pass
2	2389.300	63.67	-4.84	74.0	10.33	Peak	169.00	150	Vertical	Pass
2**	2389.300	47.14	-4.84	54.0	6.86	AV	169.00	150	Vertical	Pass
3	2388.200	60.35	-4.78	74.0	13.65	Peak	195.00	150	Vertical	Pass
3**	2388.200	49.79	-4.78	54.0	4.21	AV	195.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL



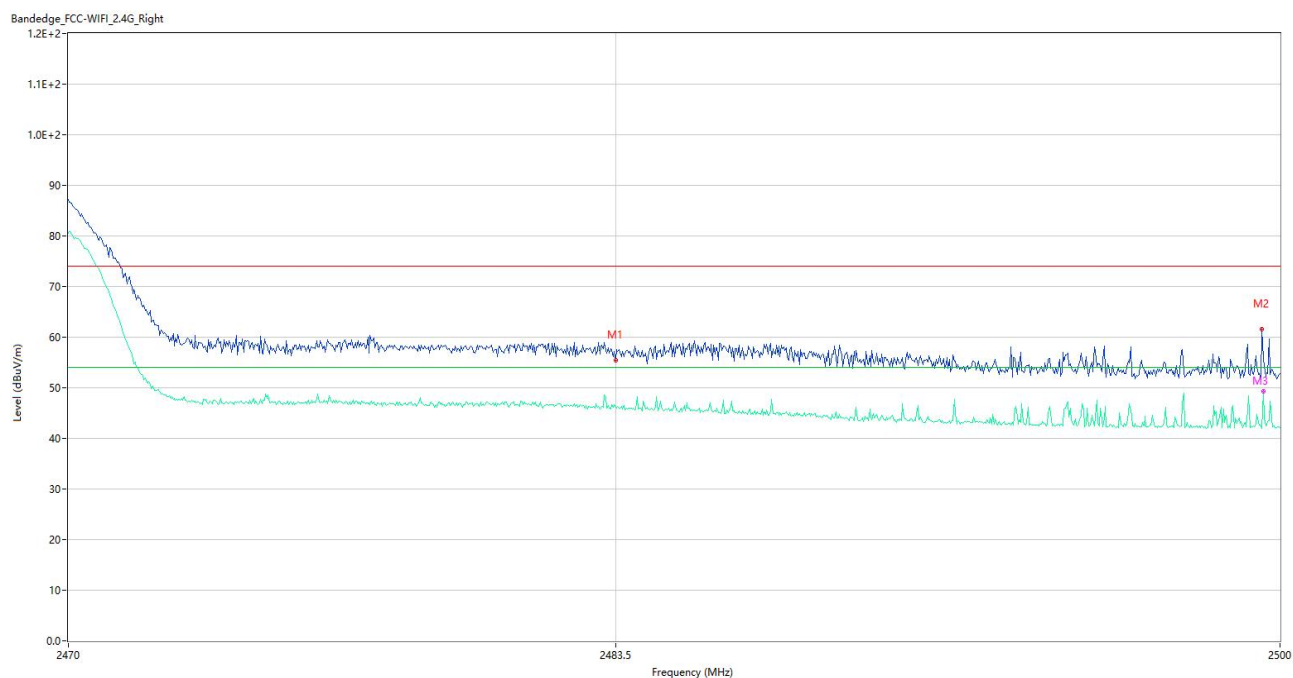
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.34	-3.78	74.0	17.66	Peak	127.00	150	Vertical	Pass
1**	2483.500	44.51	-3.78	54.0	9.49	AV	127.00	150	Vertical	Pass
2	2493.580	62.08	-3.90	74.0	11.92	Peak	142.00	150	Vertical	Pass
2**	2493.580	41.95	-3.90	54.0	12.05	AV	142.00	150	Vertical	Pass
3	2499.220	55.34	-3.98	74.0	18.66	Peak	221.00	150	Vertical	Pass
3**	2499.220	49.99	-3.98	54.0	4.01	AV	221.00	150	Vertical	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	64.38	-4.87	74.0	9.62	Peak	203.00	150	Horizontal	Pass
1**	2390.000	48.00	-4.87	54.0	6.00	AV	203.00	150	Horizontal	Pass
2	2389.400	65.74	-4.84	74.0	8.26	Peak	189.00	150	Horizontal	Pass
2**	2389.400	48.61	-4.84	54.0	5.39	AV	189.00	150	Horizontal	Pass
3	2389.500	65.22	-4.85	74.0	8.78	Peak	189.00	150	Horizontal	Pass
3**	2389.500	49.26	-4.85	54.0	4.74	AV	189.00	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	55.42	-3.78	74.0	18.58	Peak	121.00	150	Vertical	Pass
1**	2483.500	46.14	-3.78	54.0	7.86	AV	121.00	150	Vertical	Pass
2	2499.550	61.50	-3.99	74.0	12.50	Peak	193.00	150	Vertical	Pass
2**	2499.550	41.97	-3.99	54.0	12.03	AV	193.00	150	Vertical	Pass
3	2499.580	55.87	-3.99	74.0	18.13	Peak	193.00	150	Vertical	Pass
3**	2499.580	49.22	-3.99	54.0	4.78	AV	193.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.41	8
Middle	-14.46	8
High	-13.74	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.84	8
Middle	-16.22	8
High	-15.86	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.57	8
Middle	-14.51	8
High	-14.98	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.70	8
Middle	-18.84	8
High	-18.35	8

Test Plots

802.11b LOW CHANNEL



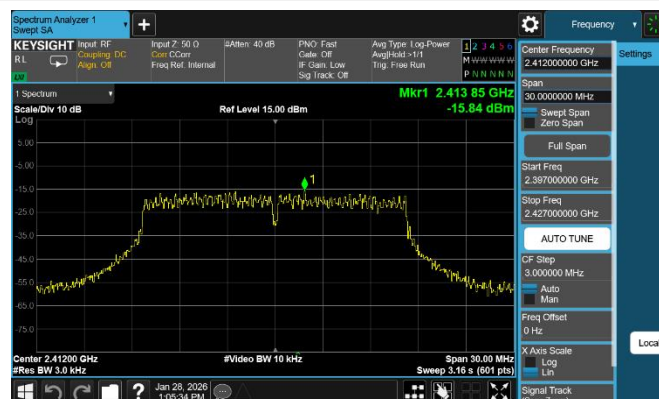
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



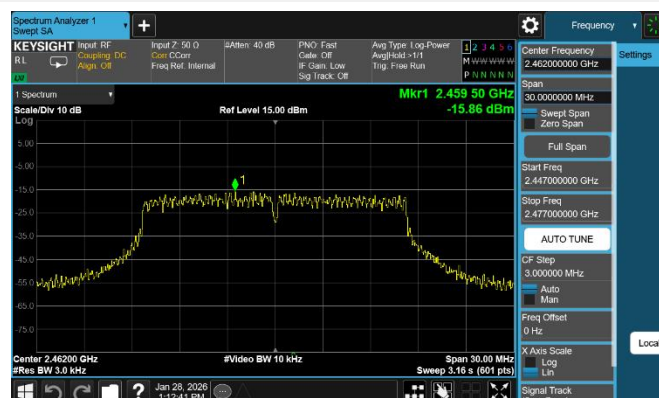
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



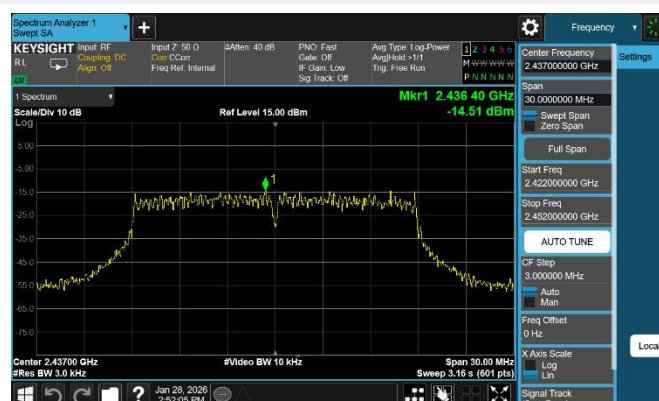
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2591432-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2591432-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2591432-AI.PDF”.

Statement

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--END OF REPORT--