

## A.5 Conducted Emissions

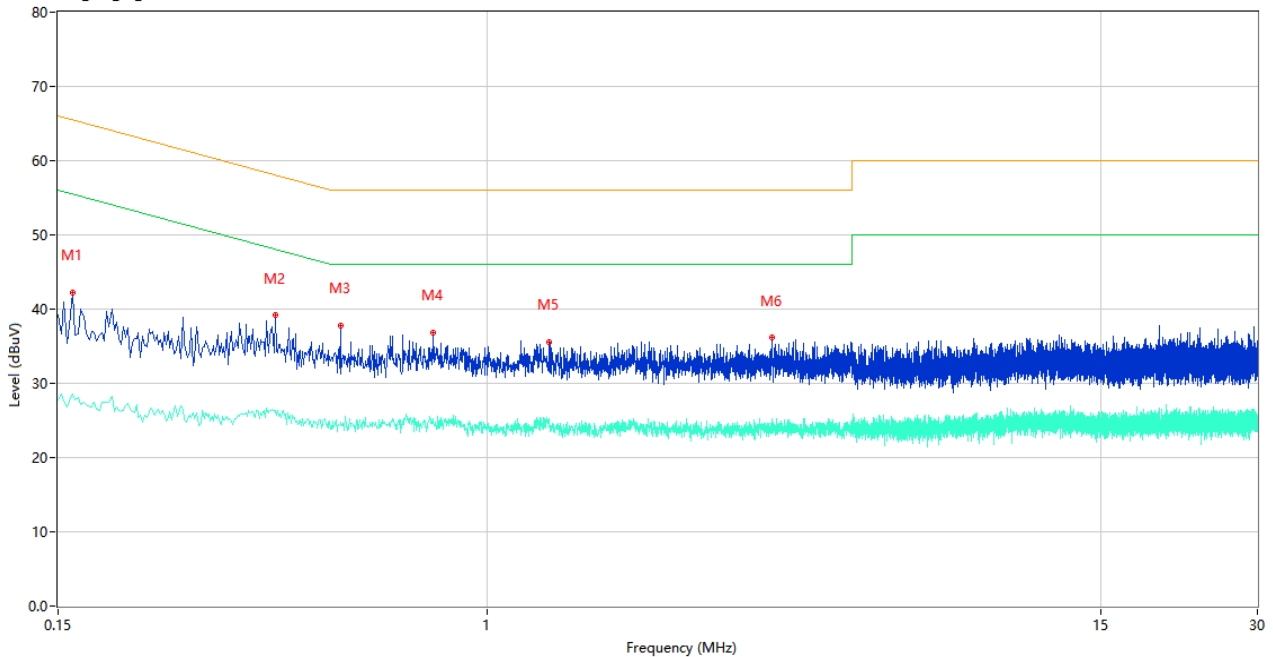
Note <sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note <sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz ) shown here.

### Test Data and Plots

#### PHASE L

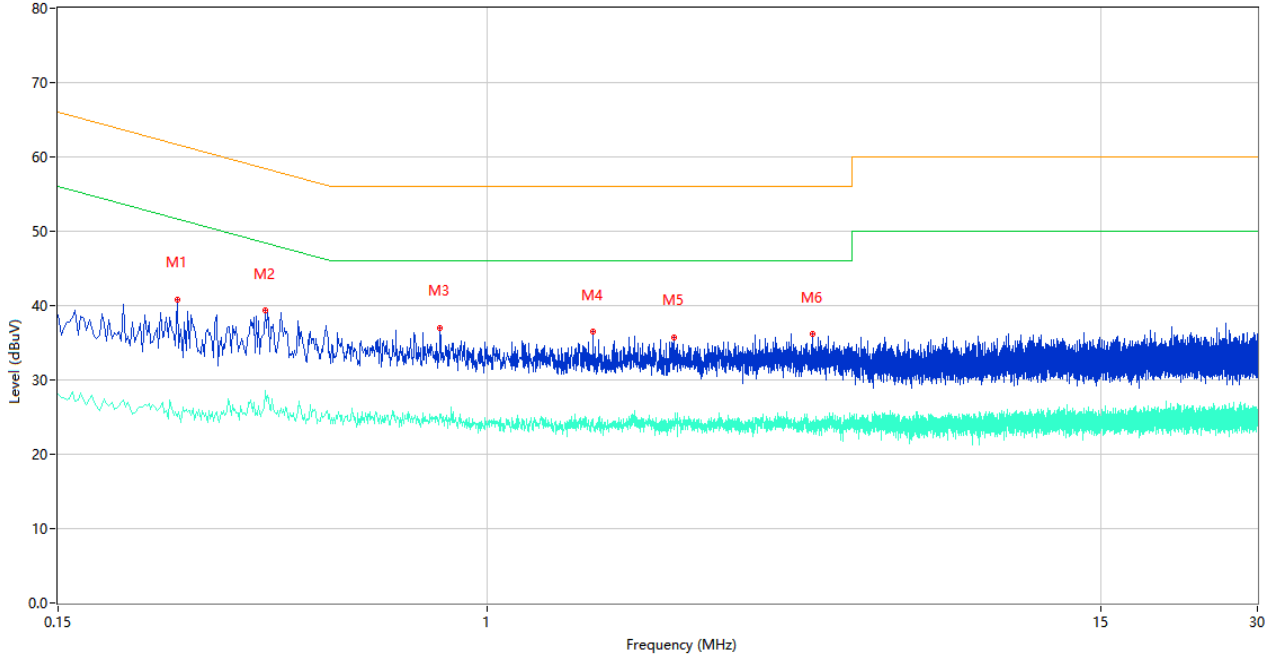
CE Test case\_FCC\_CE\_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	42.30	9.78	65.46	23.16	Peak	L	Pass
1**	0.160	28.51	9.78	55.46	26.95	AV	L	Pass
2	0.392	39.16	10.59	58.02	18.86	Peak	L	Pass
2**	0.392	26.32	10.59	48.02	21.70	AV	L	Pass
3	0.522	37.82	10.00	56.00	18.18	Peak	L	Pass
3**	0.522	24.44	10.00	46.00	21.56	AV	L	Pass
4	0.788	36.86	10.45	56.00	19.14	Peak	L	Pass
4**	0.788	24.80	10.45	46.00	21.20	AV	L	Pass
5	1.312	35.57	10.38	56.00	20.43	Peak	L	Pass
5**	1.312	25.18	10.38	46.00	20.82	AV	L	Pass
6	3.514	36.13	10.12	56.00	19.87	Peak	L	Pass
6**	3.514	25.18	10.12	46.00	20.82	AV	L	Pass

PHASE N

CE Test case\_FCC\_CE\_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.254	40.85	9.77	61.63	20.78	Peak	N	Pass
1**	0.254	25.05	9.77	51.63	26.58	AV	N	Pass
2	0.374	39.35	10.66	58.41	19.06	Peak	N	Pass
2**	0.374	28.61	10.66	48.41	19.80	AV	N	Pass
3	0.812	37.04	10.55	56.00	18.96	Peak	N	Pass
3**	0.812	25.14	10.55	46.00	20.86	AV	N	Pass
4	1.592	36.49	9.90	56.00	19.51	Peak	N	Pass
4**	1.592	23.99	9.90	46.00	22.01	AV	N	Pass
5	2.282	35.77	10.26	56.00	20.23	Peak	N	Pass
5**	2.282	23.96	10.26	46.00	22.04	AV	N	Pass
6	4.214	36.18	10.03	56.00	19.82	Peak	N	Pass
6**	4.214	23.76	10.03	46.00	22.24	AV	N	Pass

## A.6 Radiated Emission

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

Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note <sup>3</sup>: 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.

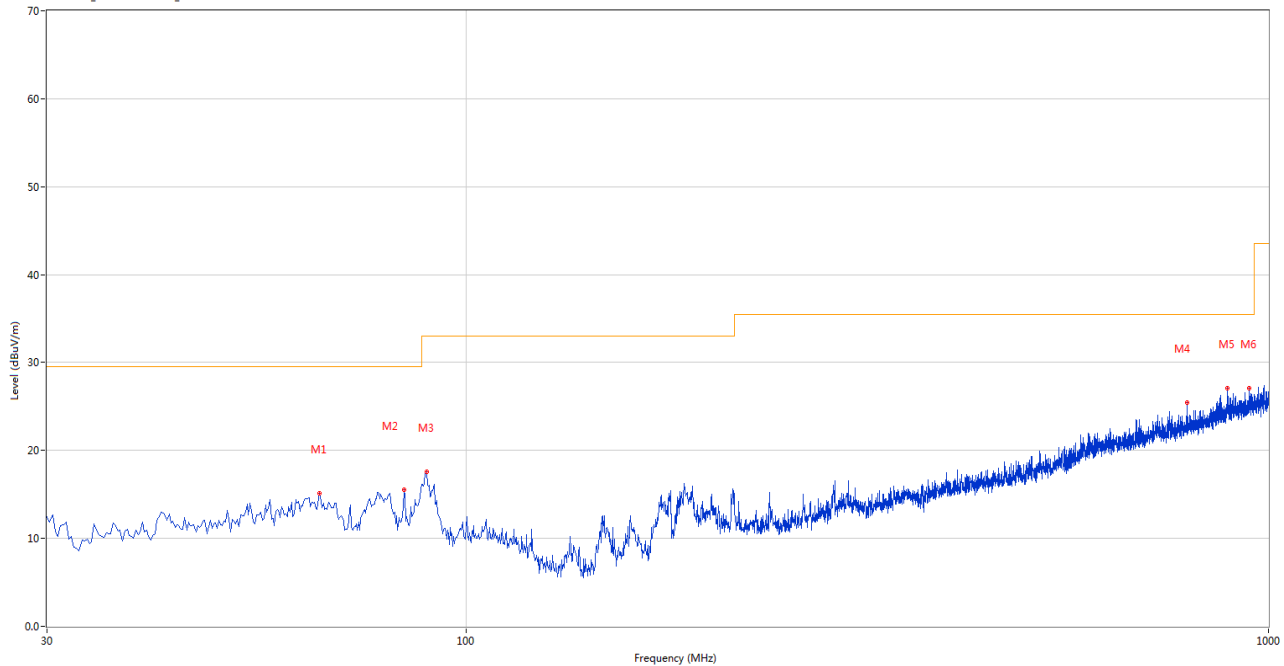
Note <sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note <sup>5</sup>: Both model of the charger were tested in this report. The C-P35 (Huntkey) is the main test model, and the C-P35 (Acbel) only retest the below 1GHz in this report.

### Test Data and Plots

#### 30 MHz to 1 GHz, ANT H

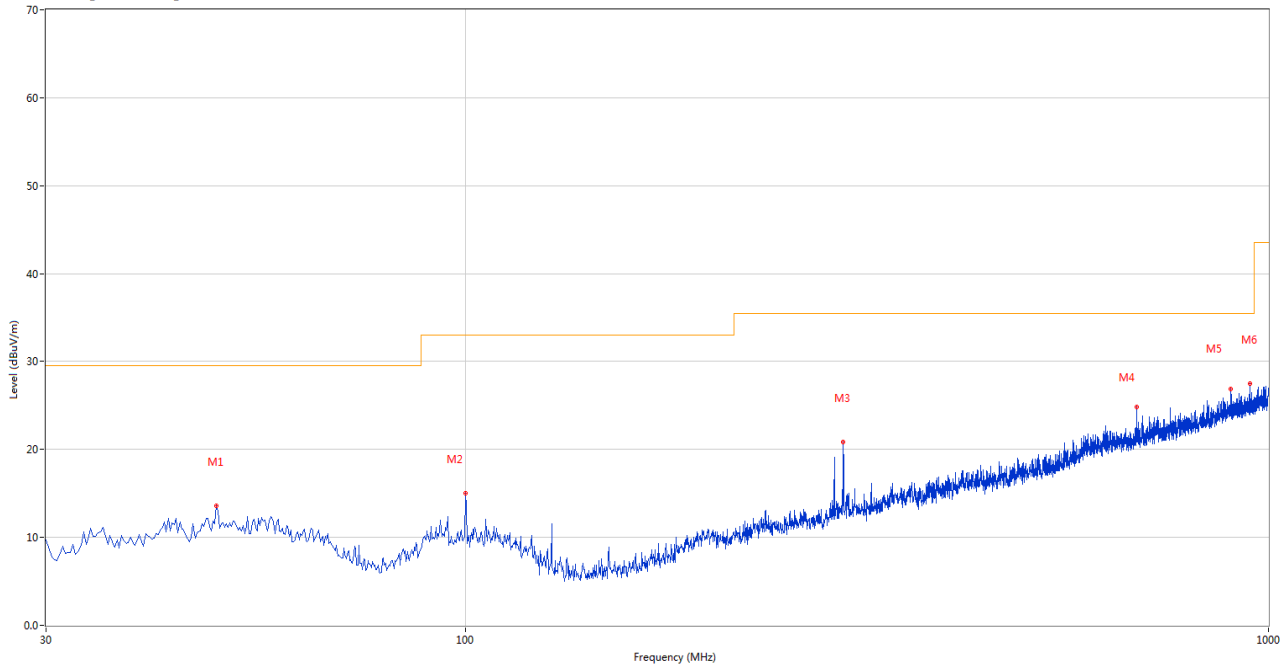
10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	65.639	15.09	-28.40	29.5	14.41	Peak	127.00	100	Vertical	Pass
2	83.579	15.52	-31.22	29.5	13.98	Peak	137.00	200	Vertical	Pass
3	89.155	17.62	-29.84	33.0	15.38	Peak	99.00	200	Vertical	Pass
4	791.745	25.44	-14.53	35.5	10.06	Peak	140.00	100	Vertical	Pass
5	889.448	27.13	-12.56	35.5	8.37	Peak	47.00	100	Vertical	Pass
6	946.906	27.05	-12.01	35.5	8.45	Peak	38.00	100	Vertical	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	13.57	-26.33	29.5	15.93	Peak	329.00	100	Horizontal	Pass
2	99.823	15.02	-27.98	33.0	17.98	Peak	326.00	100	Horizontal	Pass
3	295.471	20.88	-25.17	35.5	14.62	Peak	0.00	100	Horizontal	Pass
4	685.071	24.80	-16.37	35.5	10.70	Peak	50.00	100	Horizontal	Pass
5	896.721	26.90	-12.47	35.5	8.60	Peak	4.00	200	Horizontal	Pass
6	947.391	27.53	-12.02	35.5	7.97	Peak	356.00	200	Horizontal	Pass

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

Note 2: The spurious from 18GHz to 25GHz is noise only, do not show on the report.

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1424.700	38.73	-17.45	74.0	35.27	Peak	49.00	200	Horizontal	Pass
1**	1424.700	29.90	-17.45	54.0	24.10	AV	49.00	200	Horizontal	Pass
2	2413.200	102.68	-12.52	74.0	-28.68	Peak	212.00	200	Horizontal	N/A
2**	2413.200	99.80	-12.52	54.0	-45.80	AV	212.00	200	Horizontal	N/A
3	4824.200	53.31	-3.42	74.0	20.69	Peak	84.00	150	Horizontal	Pass
3**	4824.200	50.24	-3.42	54.0	3.76	AV	84.00	150	Horizontal	Pass
4	6608.200	54.96	1.56	74.0	19.04	Peak	122.00	400	Horizontal	Pass
4**	6608.200	46.88	1.56	54.0	7.12	AV	122.00	400	Horizontal	Pass
5	12701.987	53.59	0.86	74.0	20.41	Peak	349.00	200	Horizontal	Pass
5**	12701.987	44.02	0.86	54.0	9.98	AV	349.00	200	Horizontal	Pass
6	17415.412	57.09	3.65	74.0	16.91	Peak	132.00	300	Horizontal	Pass
6**	17415.412	46.95	3.65	54.0	7.05	AV	132.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.800	42.80	-17.55	74.0	31.20	Peak	99.00	200	Vertical	Pass
1**	1498.800	32.00	-17.55	54.0	22.00	AV	99.00	200	Vertical	Pass
2	2412.000	89.25	-12.52	74.0	-15.25	Peak	120.00	200	Vertical	N/A
2**	2412.000	85.54	-12.52	54.0	-31.54	AV	120.00	200	Vertical	N/A
3	5120.000	52.57	-2.02	74.0	21.43	Peak	82.00	150	Vertical	Pass
3**	5120.000	43.95	-2.02	54.0	10.05	AV	82.00	150	Vertical	Pass
4	6610.600	55.32	1.49	74.0	18.68	Peak	278.00	300	Vertical	Pass
4**	6610.600	45.90	1.49	54.0	8.10	AV	278.00	300	Vertical	Pass
5	12858.675	53.44	1.45	74.0	20.56	Peak	36.00	400	Vertical	Pass
5**	12858.675	43.74	1.45	54.0	10.26	AV	36.00	400	Vertical	Pass
6	17402.550	56.36	3.25	74.0	17.64	Peak	0.00	100	Vertical	Pass
6**	17402.550	47.17	3.25	54.0	6.83	AV	0.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 2

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.400	39.84	-18.20	74.0	34.16	Peak	163.00	400	Horizontal	Pass
1**	1000.400	30.53	-18.20	54.0	23.47	AV	163.00	400	Horizontal	Pass
2	2417.000	103.00	-12.32	74.0	-29.00	Peak	200.00	200	Horizontal	N/A
2**	2417.000	99.13	-12.32	54.0	-45.13	AV	200.00	200	Horizontal	N/A
3	4834.000	53.95	-3.52	74.0	20.05	Peak	233.00	150	Horizontal	Pass
3**	4834.000	50.75	-3.52	54.0	3.25	AV	233.00	150	Horizontal	Pass
4	6406.600	55.12	0.31	74.0	18.88	Peak	75.00	400	Horizontal	Pass
4**	6406.600	46.16	0.31	54.0	7.84	AV	75.00	400	Horizontal	Pass
5	12950.813	53.93	0.91	74.0	20.07	Peak	360.00	300	Horizontal	Pass
5**	12950.813	42.91	0.91	54.0	11.09	AV	360.00	300	Horizontal	Pass
6	17406.224	57.13	3.35	74.0	16.87	Peak	229.00	300	Horizontal	Pass
6**	17406.224	47.09	3.35	54.0	6.91	AV	229.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 2

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.500	41.63	-17.69	74.0	32.37	Peak	0.00	300	Vertical	Pass
1**	1328.500	29.71	-17.69	54.0	24.29	AV	0.00	300	Vertical	Pass
2	2417.000	91.15	-12.32	74.0	-17.15	Peak	44.00	150	Vertical	N/A
2**	2417.000	86.14	-12.32	54.0	-32.14	AV	44.00	150	Vertical	N/A
3	4453.600	49.24	-3.57	74.0	24.76	Peak	203.00	150	Vertical	Pass
3**	4453.600	40.58	-3.57	54.0	13.42	AV	203.00	150	Vertical	Pass
4	6270.000	55.31	0.44	74.0	18.69	Peak	115.00	200	Vertical	Pass
4**	6270.000	45.47	0.44	54.0	8.53	AV	115.00	200	Vertical	Pass
5	12815.625	53.71	0.85	74.0	20.29	Peak	153.00	100	Vertical	Pass
5**	12815.625	43.99	0.85	54.0	10.01	AV	153.00	100	Vertical	Pass
6	17413.575	56.29	3.58	74.0	17.71	Peak	313.00	200	Vertical	Pass
6**	17413.575	47.41	3.58	54.0	6.59	AV	313.00	200	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.200	39.99	-18.20	74.0	34.01	Peak	120.00	400	Horizontal	Pass
1**	1000.200	31.73	-18.20	54.0	22.27	AV	120.00	400	Horizontal	Pass
2	2423.300	103.22	-12.57	74.0	-29.22	Peak	205.00	200	Horizontal	N/A
2**	2423.300	100.19	-12.57	54.0	-46.19	AV	205.00	200	Horizontal	N/A
3	4844.200	53.47	-3.43	74.0	20.53	Peak	235.00	150	Horizontal	Pass
3**	4844.200	50.80	-3.43	54.0	3.20	AV	235.00	150	Horizontal	Pass
4	6604.000	55.68	1.01	74.0	18.32	Peak	146.00	200	Horizontal	Pass
4**	6604.000	46.05	1.01	54.0	7.95	AV	146.00	200	Horizontal	Pass
5	12738.500	53.76	1.30	74.0	20.24	Peak	0.00	300	Horizontal	Pass
5**	12738.500	44.44	1.30	54.0	9.56	AV	0.00	300	Horizontal	Pass
6	13330.650	56.09	0.94	74.0	17.91	Peak	360.00	400	Horizontal	Pass
6**	13330.650	45.98	0.94	54.0	8.02	AV	360.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.500	41.82	-18.03	74.0	32.18	Peak	42.00	200	Vertical	Pass
1**	1165.500	28.28	-18.03	54.0	25.72	AV	42.00	200	Vertical	Pass
2	2420.800	91.30	-12.41	74.0	-17.30	Peak	42.00	150	Vertical	N/A
2**	2420.800	88.36	-12.41	54.0	-34.36	AV	42.00	150	Vertical	N/A
3	4843.800	51.09	-3.46	74.0	22.91	Peak	206.00	150	Vertical	Pass
3**	4843.800	43.85	-3.46	54.0	10.15	AV	206.00	150	Vertical	Pass
4	6608.600	54.87	1.59	74.0	19.13	Peak	132.00	100	Vertical	Pass
4**	6608.600	46.30	1.59	54.0	7.70	AV	132.00	100	Vertical	Pass
5	12835.575	53.63	1.27	74.0	20.37	Peak	342.00	300	Vertical	Pass
5**	12835.575	44.49	1.27	54.0	9.51	AV	342.00	300	Vertical	Pass
6	17337.448	56.15	1.47	74.0	17.85	Peak	42.00	300	Vertical	Pass
6**	17337.448	45.66	1.47	54.0	8.34	AV	42.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.000	51.03	-17.35	74.0	22.97	Peak	77.00	200	Horizontal	Pass
1**	1374.000	35.11	-17.35	54.0	18.89	AV	77.00	200	Horizontal	Pass
2	2428.400	103.75	-12.74	74.0	-29.75	Peak	196.00	100	Horizontal	N/A
2**	2428.400	100.60	-12.74	54.0	-46.60	AV	196.00	100	Horizontal	N/A
3	4854.400	52.48	-3.47	74.0	21.52	Peak	240.00	150	Horizontal	Pass
3**	4854.400	50.10	-3.47	54.0	3.90	AV	240.00	150	Horizontal	Pass
4	6267.000	54.50	0.05	74.0	19.50	Peak	0.00	400	Horizontal	Pass
4**	6267.000	45.14	0.05	54.0	8.86	AV	0.00	400	Horizontal	Pass
5	12823.238	53.75	1.00	74.0	20.25	Peak	182.00	200	Horizontal	Pass
5**	12823.238	44.30	1.00	54.0	9.70	AV	182.00	200	Horizontal	Pass
6	13412.550	55.93	0.46	74.0	18.07	Peak	360.00	300	Horizontal	Pass
6**	13412.550	46.62	0.46	54.0	7.38	AV	360.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.300	42.57	-18.20	74.0	31.43	Peak	278.00	300	Vertical	Pass
1**	1000.300	31.08	-18.20	54.0	22.92	AV	278.00	300	Vertical	Pass
2	2428.300	91.98	-12.74	74.0	-17.98	Peak	47.00	100	Vertical	N/A
2**	2428.300	89.17	-12.74	54.0	-35.17	AV	47.00	100	Vertical	N/A
3	4880.800	51.22	-3.35	74.0	22.78	Peak	43.00	150	Vertical	Pass
3**	4880.800	41.47	-3.35	54.0	12.53	AV	43.00	150	Vertical	Pass
4	6613.200	54.70	1.32	74.0	19.30	Peak	132.00	200	Vertical	Pass
4**	6613.200	45.76	1.32	54.0	8.24	AV	132.00	200	Vertical	Pass
5	12808.537	53.43	0.88	74.0	20.57	Peak	293.00	400	Vertical	Pass
5**	12808.537	44.97	0.88	54.0	9.03	AV	293.00	400	Vertical	Pass
6	17426.962	56.21	3.55	74.0	17.79	Peak	360.00	100	Vertical	Pass
6**	17426.962	47.33	3.55	54.0	6.67	AV	360.00	100	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11b Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.000	39.93	-18.20	74.0	34.07	Peak	126.00	100	Horizontal	Pass
1**	1000.000	29.46	-18.20	54.0	24.54	AV	126.00	100	Horizontal	Pass
2	2433.300	103.88	-12.68	74.0	-29.88	Peak	198.00	150	Horizontal	N/A
2**	2433.300	100.74	-12.68	54.0	-46.74	AV	198.00	150	Horizontal	N/A
3	4864.200	53.71	-3.25	74.0	20.29	Peak	284.00	150	Horizontal	Pass
3**	4864.200	50.30	-3.25	54.0	3.70	AV	284.00	150	Horizontal	Pass
4	6612.600	55.12	1.38	74.0	18.88	Peak	83.00	100	Horizontal	Pass
4**	6612.600	46.20	1.38	54.0	7.80	AV	83.00	100	Horizontal	Pass
5	12313.862	53.33	1.40	74.0	20.67	Peak	343.00	200	Horizontal	Pass
5**	12313.862	43.93	1.40	54.0	10.07	AV	343.00	200	Horizontal	Pass
6	16280.100	56.07	1.01	74.0	17.93	Peak	157.00	400	Horizontal	Pass
6**	16280.100	46.05	1.01	54.0	7.95	AV	157.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1176.100	44.47	-17.98	74.0	29.53	Peak	0.00	100	Vertical	Pass
1**	1176.100	28.88	-17.98	54.0	25.12	AV	0.00	100	Vertical	Pass
2	2433.200	92.95	-12.68	74.0	-18.95	Peak	48.00	200	Vertical	N/A
2**	2433.200	90.20	-12.68	54.0	-36.20	AV	48.00	200	Vertical	N/A
3	5316.400	54.19	-2.56	74.0	19.81	Peak	101.00	150	Vertical	Pass
3**	5316.400	42.45	-2.56	54.0	11.55	AV	101.00	150	Vertical	Pass
4	6742.800	54.28	0.86	74.0	19.72	Peak	88.00	400	Vertical	Pass
4**	6742.800	44.97	0.86	54.0	9.03	AV	88.00	400	Vertical	Pass
5	12988.088	53.68	1.09	74.0	20.32	Peak	42.00	100	Vertical	Pass
5**	12988.088	43.24	1.09	54.0	10.76	AV	42.00	100	Vertical	Pass
6	16144.912	56.20	1.04	74.0	17.80	Peak	360.00	300	Vertical	Pass
6**	16144.912	46.63	1.04	54.0	7.37	AV	360.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.500	39.27	-18.19	74.0	34.73	Peak	174.00	200	Horizontal	Pass
1**	1000.500	29.16	-18.19	54.0	24.84	AV	174.00	200	Horizontal	Pass
2	2438.400	104.29	-12.44	74.0	-30.29	Peak	208.00	200	Horizontal	N/A
2**	2438.400	101.22	-12.44	54.0	-47.22	AV	208.00	200	Horizontal	N/A
3	4874.000	53.73	-3.29	74.0	20.27	Peak	228.00	150	Horizontal	Pass
3**	4874.000	50.05	-3.29	54.0	3.95	AV	228.00	150	Horizontal	Pass
4	6604.000	55.94	1.01	74.0	18.06	Peak	204.00	400	Horizontal	Pass
4**	6604.000	46.35	1.01	54.0	7.65	AV	204.00	400	Horizontal	Pass
5	12283.963	53.13	1.78	74.0	20.87	Peak	323.00	400	Horizontal	Pass
5**	12283.963	44.28	1.78	54.0	9.72	AV	323.00	400	Horizontal	Pass
6	17406.489	56.83	3.36	74.0	17.17	Peak	5.00	400	Horizontal	Pass
6**	17406.489	47.50	3.36	54.0	6.50	AV	5.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.100	42.02	-18.20	74.0	31.98	Peak	299.00	200	Vertical	Pass
1**	1000.100	31.52	-18.20	54.0	22.48	AV	299.00	200	Vertical	Pass
2	2438.400	91.96	-12.44	74.0	-17.96	Peak	122.00	100	Vertical	N/A
2**	2438.400	89.13	-12.44	54.0	-35.13	AV	122.00	100	Vertical	N/A
3	4981.200	51.35	-2.81	74.0	22.65	Peak	25.00	100	Vertical	Pass
3**	4981.200	41.87	-2.81	54.0	12.13	AV	25.00	100	Vertical	Pass
4	6608.200	55.82	1.56	74.0	18.18	Peak	85.00	100	Vertical	Pass
4**	6608.200	46.00	1.56	54.0	8.00	AV	85.00	100	Vertical	Pass
5	12991.762	54.27	1.15	74.0	19.73	Peak	82.00	100	Vertical	Pass
5**	12991.762	45.07	1.15	54.0	8.93	AV	82.00	100	Vertical	Pass
6	17373.411	56.32	2.49	74.0	17.68	Peak	255.00	100	Vertical	Pass
6**	17373.411	45.74	2.49	54.0	8.26	AV	255.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.300	38.69	-18.06	74.0	35.31	Peak	360.00	200	Horizontal	Pass
1**	1166.300	28.00	-18.06	54.0	26.00	AV	360.00	200	Horizontal	Pass
2	2440.800	104.12	-12.43	74.0	-30.12	Peak	195.00	150	Horizontal	N/A
2**	2440.800	101.01	-12.43	54.0	-47.01	AV	195.00	150	Horizontal	N/A
3	4884.200	53.18	-3.49	74.0	20.82	Peak	277.00	150	Horizontal	Pass
3**	4884.200	50.71	-3.49	54.0	3.29	AV	277.00	150	Horizontal	Pass
4	6740.800	55.31	0.76	74.0	18.69	Peak	360.00	100	Horizontal	Pass
4**	6740.800	45.92	0.76	54.0	8.08	AV	360.00	100	Horizontal	Pass
5	12822.450	53.50	0.98	74.0	20.50	Peak	254.00	300	Horizontal	Pass
5**	12822.450	44.36	0.98	54.0	9.64	AV	254.00	300	Horizontal	Pass
6	15237.450	56.02	0.99	74.0	17.98	Peak	360.00	400	Horizontal	Pass
6**	15237.450	46.63	0.99	54.0	7.37	AV	360.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.700	41.14	-17.93	74.0	32.86	Peak	36.00	300	Vertical	Pass
1**	1162.700	29.90	-17.93	54.0	24.10	AV	36.00	300	Vertical	Pass
2	2440.900	93.39	-12.43	74.0	-19.39	Peak	48.00	150	Vertical	N/A
2**	2440.900	90.54	-12.43	54.0	-36.54	AV	48.00	150	Vertical	N/A
3	4778.600	50.64	-2.97	74.0	23.36	Peak	312.00	150	Vertical	Pass
3**	4778.600	41.43	-2.97	54.0	12.57	AV	312.00	150	Vertical	Pass
4	6603.800	54.61	0.98	74.0	19.39	Peak	337.00	100	Vertical	Pass
4**	6603.800	46.38	0.98	54.0	7.62	AV	337.00	100	Vertical	Pass
5	12818.250	53.87	0.89	74.0	20.13	Peak	304.00	300	Vertical	Pass
5**	12818.250	44.97	0.89	54.0	9.03	AV	304.00	300	Vertical	Pass
6	13310.175	56.52	0.86	74.0	17.48	Peak	253.00	300	Vertical	Pass
6**	13310.175	46.56	0.86	54.0	7.44	AV	253.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.000	39.43	-18.20	74.0	34.57	Peak	163.00	400	Horizontal	Pass
1**	1000.000	27.74	-18.20	54.0	26.26	AV	163.00	400	Horizontal	Pass
2	2445.900	103.93	-12.63	74.0	-29.93	Peak	202.00	200	Horizontal	N/A
2**	2445.900	100.87	-12.63	54.0	-46.87	AV	202.00	200	Horizontal	N/A
3	4894.000	53.54	-2.99	74.0	20.46	Peak	229.00	150	Horizontal	Pass
3**	4894.000	50.24	-2.99	54.0	3.76	AV	229.00	150	Horizontal	Pass
4	6606.400	55.69	1.42	74.0	18.31	Peak	313.00	100	Horizontal	Pass
4**	6606.400	46.47	1.42	54.0	7.53	AV	313.00	100	Horizontal	Pass
5	12802.763	53.49	1.00	74.0	20.51	Peak	64.00	400	Horizontal	Pass
5**	12802.763	44.73	1.00	54.0	9.27	AV	64.00	400	Horizontal	Pass
6	17428.011	56.65	3.52	74.0	17.35	Peak	108.00	100	Horizontal	Pass
6**	17428.011	46.42	3.52	54.0	7.58	AV	108.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.900	43.33	-17.96	74.0	30.67	Peak	87.00	200	Vertical	Pass
1**	1161.900	31.02	-17.96	54.0	22.98	AV	87.00	200	Vertical	Pass
2	2445.700	92.87	-12.62	74.0	-18.87	Peak	45.00	150	Vertical	N/A
2**	2445.700	89.94	-12.62	54.0	-35.94	AV	45.00	150	Vertical	N/A
3	5136.000	51.31	-2.14	74.0	22.69	Peak	58.00	150	Vertical	Pass
3**	5136.000	42.32	-2.14	54.0	11.68	AV	58.00	150	Vertical	Pass
4	6747.000	54.80	0.80	74.0	19.20	Peak	155.00	200	Vertical	Pass
4**	6747.000	45.97	0.80	54.0	8.03	AV	155.00	200	Vertical	Pass
5	12897.526	53.36	1.52	74.0	20.64	Peak	137.00	100	Vertical	Pass
5**	12897.526	44.02	1.52	54.0	9.98	AV	137.00	100	Vertical	Pass
6	17418.824	55.75	3.73	74.0	18.25	Peak	298.00	300	Vertical	Pass
6**	17418.824	47.01	3.73	54.0	6.99	AV	298.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.200	38.97	-17.33	74.0	35.03	Peak	94.00	300	Horizontal	Pass
1**	1524.200	29.75	-17.33	54.0	24.25	AV	94.00	300	Horizontal	Pass
2	2450.800	104.22	-12.36	74.0	-30.22	Peak	200.00	150	Horizontal	N/A
2**	2450.800	101.19	-12.36	54.0	-47.19	AV	200.00	150	Horizontal	N/A
3	4904.000	54.09	-2.36	74.0	19.91	Peak	243.00	150	Horizontal	Pass
3**	4904.000	50.11	-2.36	54.0	3.89	AV	243.00	150	Horizontal	Pass
4	6609.600	54.13	1.55	74.0	19.87	Peak	181.00	200	Horizontal	Pass
4**	6609.600	46.72	1.55	54.0	7.28	AV	181.00	200	Horizontal	Pass
5	12395.225	53.26	1.60	74.0	20.74	Peak	285.00	200	Horizontal	Pass
5**	12395.225	43.79	1.60	54.0	10.21	AV	285.00	200	Horizontal	Pass
6	17411.213	56.53	3.49	74.0	17.47	Peak	360.00	200	Horizontal	Pass
6**	17411.213	47.21	3.49	54.0	6.79	AV	360.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.200	41.29	-17.68	74.0	32.71	Peak	210.00	200	Vertical	Pass
1**	1328.200	30.66	-17.68	54.0	23.34	AV	210.00	200	Vertical	Pass
2	2450.700	91.83	-12.35	74.0	-17.83	Peak	40.00	100	Vertical	N/A
2**	2450.700	88.83	-12.35	54.0	-34.83	AV	40.00	100	Vertical	N/A
3	4903.400	51.49	-2.40	74.0	22.51	Peak	181.00	100	Vertical	Pass
3**	4903.400	43.58	-2.40	54.0	10.42	AV	181.00	100	Vertical	Pass
4	6609.000	55.15	1.59	74.0	18.85	Peak	68.00	100	Vertical	Pass
4**	6609.000	46.13	1.59	54.0	7.87	AV	68.00	100	Vertical	Pass
5	12761.813	53.86	0.99	74.0	20.14	Peak	69.00	400	Vertical	Pass
5**	12761.813	43.54	0.99	54.0	10.46	AV	69.00	400	Vertical	Pass
6	16106.325	56.14	0.92	74.0	17.86	Peak	342.00	400	Vertical	Pass
6**	16106.325	46.40	0.92	54.0	7.60	AV	342.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 10

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.100	39.69	-17.52	74.0	34.31	Peak	19.00	100	Horizontal	Pass
1**	1330.100	28.94	-17.52	54.0	25.06	AV	19.00	100	Horizontal	Pass
2	2455.700	103.74	-12.53	74.0	-29.74	Peak	203.00	100	Horizontal	N/A
2**	2455.700	100.69	-12.53	54.0	-46.69	AV	203.00	100	Horizontal	N/A
3	4914.000	53.62	-2.71	74.0	20.38	Peak	261.00	150	Horizontal	Pass
3**	4914.000	50.55	-2.71	54.0	3.45	AV	261.00	150	Horizontal	Pass
4	6608.000	54.36	1.55	74.0	19.64	Peak	298.00	300	Horizontal	Pass
4**	6608.000	46.62	1.55	54.0	7.38	AV	298.00	300	Horizontal	Pass
5	12977.588	53.48	0.95	74.0	20.52	Peak	20.00	400	Horizontal	Pass
5**	12977.588	43.63	0.95	54.0	10.37	AV	20.00	400	Horizontal	Pass
6	13412.813	56.43	0.45	74.0	17.57	Peak	64.00	400	Horizontal	Pass
6**	13412.813	46.10	0.45	54.0	7.90	AV	64.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 10

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.400	49.41	-18.06	74.0	24.59	Peak	0.00	300	Vertical	Pass
1**	1166.400	33.14	-18.06	54.0	20.86	AV	0.00	300	Vertical	Pass
2	2455.900	90.77	-12.51	74.0	-16.77	Peak	42.00	200	Vertical	N/A
2**	2455.900	87.84	-12.51	54.0	-33.84	AV	42.00	200	Vertical	N/A
3	4838.600	52.00	-3.42	74.0	22.00	Peak	295.00	100	Vertical	Pass
3**	4838.600	41.91	-3.42	54.0	12.09	AV	295.00	100	Vertical	Pass
4	6607.200	54.53	1.50	74.0	19.47	Peak	244.00	300	Vertical	Pass
4**	6607.200	47.13	1.50	54.0	6.87	AV	244.00	300	Vertical	Pass
5	12832.950	54.10	1.21	74.0	19.90	Peak	88.00	400	Vertical	Pass
5**	12832.950	43.93	1.21	54.0	10.07	AV	88.00	400	Vertical	Pass
6	17422.238	56.22	3.70	74.0	17.78	Peak	44.00	100	Vertical	Pass
6**	17422.238	46.64	3.70	54.0	7.36	AV	44.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 11

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.100	41.01	-18.20	74.0	32.99	Peak	113.00	100	Horizontal	Pass
1**	1000.100	32.37	-18.20	54.0	21.63	AV	113.00	100	Horizontal	Pass
2	2460.600	103.64	-12.55	74.0	-29.64	Peak	215.00	150	Horizontal	N/A
2**	2460.600	100.54	-12.55	54.0	-46.54	AV	215.00	150	Horizontal	N/A
3	4924.200	53.76	-2.35	74.0	20.24	Peak	202.00	150	Horizontal	Pass
3**	4924.200	50.50	-2.35	54.0	3.50	AV	202.00	150	Horizontal	Pass
4	6631.200	55.03	0.84	74.0	18.97	Peak	350.00	400	Horizontal	Pass
4**	6631.200	45.01	0.84	54.0	8.99	AV	350.00	400	Horizontal	Pass
5	12837.937	53.32	1.30	74.0	20.68	Peak	219.00	300	Horizontal	Pass
5**	12837.937	43.83	1.30	54.0	10.17	AV	219.00	300	Horizontal	Pass
6	15503.625	56.03	1.25	74.0	17.97	Peak	310.00	300	Horizontal	Pass
6**	15503.625	46.60	1.25	54.0	7.40	AV	310.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 11

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.500	41.83	-17.50	74.0	32.17	Peak	30.00	400	Vertical	Pass
1**	1331.500	31.22	-17.50	54.0	22.78	AV	30.00	400	Vertical	Pass
2	2460.900	93.22	-12.54	74.0	-19.22	Peak	119.00	200	Vertical	N/A
2**	2460.900	90.28	-12.54	54.0	-36.28	AV	119.00	200	Vertical	N/A
3	4785.000	50.84	-2.70	74.0	23.16	Peak	0.00	150	Vertical	Pass
3**	4785.000	41.40	-2.70	54.0	12.60	AV	0.00	150	Vertical	Pass
4	6605.600	55.06	1.28	74.0	18.94	Peak	178.00	300	Vertical	Pass
4**	6605.600	46.28	1.28	54.0	7.72	AV	178.00	300	Vertical	Pass
5	12885.975	53.36	1.56	74.0	20.64	Peak	254.00	400	Vertical	Pass
5**	12885.975	44.51	1.56	54.0	9.49	AV	254.00	400	Vertical	Pass
6	15239.812	56.64	0.96	74.0	17.36	Peak	299.00	300	Vertical	Pass
6**	15239.812	47.10	0.96	54.0	6.90	AV	299.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.000	39.26	-17.53	74.0	34.74	Peak	17.00	200	Horizontal	Pass
1**	1467.000	29.25	-17.53	54.0	24.75	AV	17.00	200	Horizontal	Pass
2	2405.300	107.70	-12.31	74.0	-33.70	Peak	215.00	150	Horizontal	N/A
2**	2405.300	99.97	-12.31	54.0	-45.97	AV	215.00	150	Horizontal	N/A
3	4822.800	53.72	-3.35	74.0	20.28	Peak	104.00	150	Horizontal	Pass
3**	4822.800	48.11	-3.35	54.0	5.89	AV	104.00	150	Horizontal	Pass
4	6609.200	55.40	1.58	74.0	18.60	Peak	116.00	300	Horizontal	Pass
4**	6609.200	46.45	1.58	54.0	7.55	AV	116.00	300	Horizontal	Pass
5	12847.912	53.22	1.36	74.0	20.78	Peak	320.00	200	Horizontal	Pass
5**	12847.912	43.95	1.36	54.0	10.05	AV	320.00	200	Horizontal	Pass
6	17421.713	55.80	3.71	74.0	18.20	Peak	341.00	400	Horizontal	Pass
6**	17421.713	47.65	3.71	54.0	6.35	AV	341.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.900	41.10	-17.97	74.0	32.90	Peak	360.00	300	Vertical	Pass
1**	1163.900	30.13	-17.97	54.0	23.87	AV	360.00	300	Vertical	Pass
2	2413.200	96.36	-12.52	74.0	-22.36	Peak	119.00	150	Vertical	N/A
2**	2413.200	88.63	-12.52	54.0	-34.63	AV	119.00	150	Vertical	N/A
3	4820.000	51.05	-3.33	74.0	22.95	Peak	265.00	150	Vertical	Pass
3**	4820.000	41.51	-3.33	54.0	12.49	AV	265.00	150	Vertical	Pass
4	6605.800	55.19	1.32	74.0	18.81	Peak	62.00	300	Vertical	Pass
4**	6605.800	46.37	1.32	54.0	7.63	AV	62.00	300	Vertical	Pass
5	12811.425	53.39	0.85	74.0	20.61	Peak	206.00	300	Vertical	Pass
5**	12811.425	44.36	0.85	54.0	9.64	AV	206.00	300	Vertical	Pass
6	17420.136	56.44	3.75	74.0	17.56	Peak	5.00	100	Vertical	Pass
6**	17420.136	47.68	3.75	54.0	6.32	AV	5.00	100	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1316.300	39.23	-17.37	74.0	34.77	Peak	126.00	300	Horizontal	Pass
1**	1316.300	28.95	-17.37	54.0	25.05	AV	126.00	300	Horizontal	Pass
2	2439.800	108.11	-12.40	74.0	-34.11	Peak	204.00	150	Horizontal	N/A
2**	2439.800	100.64	-12.40	54.0	-46.64	AV	204.00	150	Horizontal	N/A
3	4868.400	52.14	-3.21	74.0	21.86	Peak	213.00	150	Horizontal	Pass
3**	4868.400	47.80	-3.21	54.0	6.20	AV	213.00	150	Horizontal	Pass
4	6605.600	55.59	1.28	74.0	18.41	Peak	26.00	100	Horizontal	Pass
4**	6605.600	45.73	1.28	54.0	8.27	AV	26.00	100	Horizontal	Pass
5	12863.138	53.28	1.44	74.0	20.72	Peak	0.00	300	Horizontal	Pass
5**	12863.138	44.00	1.44	54.0	10.00	AV	0.00	300	Horizontal	Pass
6	17421.713	56.43	3.71	74.0	17.57	Peak	65.00	200	Horizontal	Pass
6**	17421.713	47.08	3.71	54.0	6.92	AV	65.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.700	40.93	-17.96	74.0	33.07	Peak	84.00	100	Vertical	Pass
1**	1163.700	31.97	-17.96	54.0	22.03	AV	84.00	100	Vertical	Pass
2	2442.400	98.37	-12.49	74.0	-24.37	Peak	121.00	200	Vertical	N/A
2**	2442.400	89.42	-12.49	54.0	-35.42	AV	121.00	200	Vertical	N/A
3	4989.400	51.90	-2.70	74.0	22.10	Peak	119.00	200	Vertical	Pass
3**	4989.400	42.29	-2.70	54.0	11.71	AV	119.00	200	Vertical	Pass
4	6609.800	55.22	1.54	74.0	18.78	Peak	53.00	400	Vertical	Pass
4**	6609.800	46.38	1.54	54.0	7.62	AV	53.00	400	Vertical	Pass
5	12997.537	53.65	1.31	74.0	20.35	Peak	98.00	100	Vertical	Pass
5**	12997.537	44.08	1.31	54.0	9.92	AV	98.00	100	Vertical	Pass
6	16040.963	56.01	0.79	74.0	17.99	Peak	261.00	300	Vertical	Pass
6**	16040.963	46.11	0.79	54.0	7.89	AV	261.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1346.200	39.45	-17.39	74.0	34.55	Peak	64.00	100	Horizontal	Pass
1**	1346.200	29.55	-17.39	54.0	24.45	AV	64.00	100	Horizontal	Pass
2	2463.100	107.59	-12.50	74.0	-33.59	Peak	200.00	100	Horizontal	N/A
2**	2463.100	99.53	-12.50	54.0	-45.53	AV	200.00	100	Horizontal	N/A
3	4925.400	49.96	-2.37	74.0	24.04	Peak	262.00	150	Horizontal	Pass
3**	4925.400	47.16	-2.37	54.0	6.84	AV	262.00	150	Horizontal	Pass
4	6270.400	54.47	0.48	74.0	19.53	Peak	351.00	400	Horizontal	Pass
4**	6270.400	45.15	0.48	54.0	8.85	AV	351.00	400	Horizontal	Pass
5	12287.412	53.22	1.72	74.0	20.78	Peak	45.00	100	Horizontal	Pass
5**	12287.412	43.44	1.72	54.0	10.56	AV	45.00	100	Horizontal	Pass
6	17394.412	56.16	2.99	74.0	17.84	Peak	51.00	300	Horizontal	Pass
6**	17394.412	46.66	2.99	54.0	7.34	AV	51.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.200	41.24	-17.51	74.0	32.76	Peak	109.00	300	Vertical	Pass
1**	1330.200	29.49	-17.51	54.0	24.51	AV	109.00	300	Vertical	Pass
2	2460.700	97.97	-12.55	74.0	-23.97	Peak	116.00	200	Vertical	N/A
2**	2460.700	90.08	-12.55	54.0	-36.08	AV	116.00	200	Vertical	N/A
3	4911.600	50.90	-2.61	74.0	23.10	Peak	0.00	150	Vertical	Pass
3**	4911.600	42.33	-2.61	54.0	11.67	AV	0.00	150	Vertical	Pass
4	6611.000	54.44	1.47	74.0	19.56	Peak	264.00	100	Vertical	Pass
4**	6611.000	46.83	1.47	54.0	7.17	AV	264.00	100	Vertical	Pass
5	12921.675	53.85	1.20	74.0	20.15	Peak	185.00	400	Vertical	Pass
5**	12921.675	43.94	1.20	54.0	10.06	AV	185.00	400	Vertical	Pass
6	17418.562	56.77	3.72	74.0	17.23	Peak	185.00	200	Vertical	Pass
6**	17418.562	47.05	3.72	54.0	6.95	AV	185.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.200	39.01	-17.99	74.0	34.99	Peak	360.00	300	Horizontal	Pass
1**	1161.200	27.76	-17.99	54.0	26.24	AV	360.00	300	Horizontal	Pass
2	2417.000	107.74	-12.32	74.0	-33.74	Peak	214.00	150	Horizontal	N/A
2**	2417.000	100.01	-12.32	54.0	-46.01	AV	214.00	150	Horizontal	N/A
3	4824.800	53.17	-3.45	74.0	20.83	Peak	219.00	150	Horizontal	Pass
3**	4824.800	48.27	-3.45	54.0	5.73	AV	219.00	150	Horizontal	Pass
4	6989.000	54.81	1.15	74.0	19.19	Peak	21.00	200	Horizontal	Pass
4**	6989.000	44.74	1.15	54.0	9.26	AV	21.00	200	Horizontal	Pass
5	12793.575	53.49	1.16	74.0	20.51	Peak	212.00	100	Horizontal	Pass
5**	12793.575	43.81	1.16	54.0	10.19	AV	212.00	100	Horizontal	Pass
6	17411.738	56.23	3.51	74.0	17.77	Peak	41.00	400	Horizontal	Pass
6**	17411.738	47.71	3.51	54.0	6.29	AV	41.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.900	41.34	-17.51	74.0	32.66	Peak	116.00	400	Vertical	Pass
1**	1331.900	35.29	-17.51	54.0	18.71	AV	116.00	400	Vertical	Pass
2	2410.000	95.03	-12.65	74.0	-21.03	Peak	122.00	200	Vertical	N/A
2**	2410.000	86.92	-12.65	54.0	-32.92	AV	122.00	200	Vertical	N/A
3	4895.200	51.17	-2.97	74.0	22.83	Peak	93.00	150	Vertical	Pass
3**	4895.200	42.19	-2.97	54.0	11.81	AV	93.00	150	Vertical	Pass
4	6606.800	54.99	1.47	74.0	19.01	Peak	45.00	200	Vertical	Pass
4**	6606.800	46.30	1.47	54.0	7.70	AV	45.00	200	Vertical	Pass
5	12227.037	53.37	1.31	74.0	20.63	Peak	0.00	200	Vertical	Pass
5**	12227.037	43.79	1.31	54.0	10.21	AV	0.00	200	Vertical	Pass
6	17396.775	56.97	3.06	74.0	17.03	Peak	140.00	300	Vertical	Pass
6**	17396.775	46.86	3.06	54.0	7.14	AV	140.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.400	38.95	-17.45	74.0	35.05	Peak	121.00	400	Horizontal	Pass
1**	1551.400	29.06	-17.45	54.0	24.94	AV	121.00	400	Horizontal	Pass
2	2440.700	107.76	-12.43	74.0	-33.76	Peak	222.00	150	Horizontal	N/A
2**	2440.700	100.52	-12.43	54.0	-46.52	AV	222.00	150	Horizontal	N/A
3	4871.600	51.89	-3.26	74.0	22.11	Peak	275.00	150	Horizontal	Pass
3**	4871.600	47.71	-3.26	54.0	6.29	AV	275.00	150	Horizontal	Pass
4	6674.800	54.93	0.22	74.0	19.07	Peak	186.00	200	Horizontal	Pass
4**	6674.800	45.51	0.22	54.0	8.49	AV	186.00	200	Horizontal	Pass
5	12994.125	53.37	1.20	74.0	20.63	Peak	0.00	100	Horizontal	Pass
5**	12994.125	44.24	1.20	54.0	9.76	AV	0.00	100	Horizontal	Pass
6	15243.750	55.93	0.90	74.0	18.07	Peak	0.00	300	Horizontal	Pass
6**	15243.750	47.39	0.90	54.0	6.61	AV	0.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.300	41.57	-17.49	74.0	32.43	Peak	280.00	400	Vertical	Pass
1**	1495.300	29.96	-17.49	54.0	24.04	AV	280.00	400	Vertical	Pass
2	2440.700	96.87	-12.43	74.0	-22.87	Peak	120.00	100	Vertical	N/A
2**	2440.700	89.88	-12.43	54.0	-35.88	AV	120.00	100	Vertical	N/A
3	4922.800	51.19	-2.33	74.0	22.81	Peak	195.00	200	Vertical	Pass
3**	4922.800	41.36	-2.33	54.0	12.64	AV	195.00	200	Vertical	Pass
4	6274.000	55.88	0.42	74.0	18.12	Peak	27.00	200	Vertical	Pass
4**	6274.000	45.78	0.42	54.0	8.22	AV	27.00	200	Vertical	Pass
5	12798.300	53.10	1.12	74.0	20.90	Peak	63.00	200	Vertical	Pass
5**	12798.300	43.74	1.12	54.0	10.26	AV	63.00	200	Vertical	Pass
6	17402.026	56.63	3.23	74.0	17.37	Peak	0.00	200	Vertical	Pass
6**	17402.026	47.25	3.23	54.0	6.75	AV	0.00	200	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.300	38.74	-17.29	74.0	35.26	Peak	86.00	200	Horizontal	Pass
1**	1581.300	29.42	-17.29	54.0	24.58	AV	86.00	200	Horizontal	Pass
2	2462.800	107.12	-12.51	74.0	-33.12	Peak	212.00	150	Horizontal	N/A
2**	2462.800	99.29	-12.51	54.0	-45.29	AV	212.00	150	Horizontal	N/A
3	4927.000	52.52	-2.45	74.0	21.48	Peak	213.00	150	Horizontal	Pass
3**	4927.000	46.01	-2.45	54.0	7.99	AV	213.00	150	Horizontal	Pass
4	6606.000	54.73	1.35	74.0	19.27	Peak	58.00	100	Horizontal	Pass
4**	6606.000	46.08	1.35	54.0	7.92	AV	58.00	100	Horizontal	Pass
5	12784.125	54.15	1.25	74.0	19.85	Peak	48.00	200	Horizontal	Pass
5**	12784.125	43.53	1.25	54.0	10.47	AV	48.00	200	Horizontal	Pass
6	17398.350	56.43	3.12	74.0	17.57	Peak	73.00	400	Horizontal	Pass
6**	17398.350	46.82	3.12	54.0	7.18	AV	73.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.400	41.54	-17.95	74.0	32.46	Peak	78.00	300	Vertical	Pass
1**	1163.400	32.64	-17.95	54.0	21.36	AV	78.00	300	Vertical	Pass
2	2457.100	97.68	-12.46	74.0	-23.68	Peak	121.00	200	Vertical	N/A
2**	2457.100	89.10	-12.46	54.0	-35.10	AV	121.00	200	Vertical	N/A
3	4936.800	51.85	-2.92	74.0	22.15	Peak	0.00	100	Vertical	Pass
3**	4936.800	41.39	-2.92	54.0	12.61	AV	0.00	100	Vertical	Pass
4	6270.800	54.43	0.51	74.0	19.57	Peak	212.00	300	Vertical	Pass
4**	6270.800	45.45	0.51	54.0	8.55	AV	212.00	300	Vertical	Pass
5	12968.662	53.01	0.91	74.0	20.99	Peak	188.00	100	Vertical	Pass
5**	12968.662	42.97	0.91	54.0	11.03	AV	188.00	100	Vertical	Pass
6	16111.050	55.98	0.75	74.0	18.02	Peak	188.00	200	Vertical	Pass
6**	16111.050	46.17	0.75	54.0	7.83	AV	188.00	200	Vertical	Pass

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

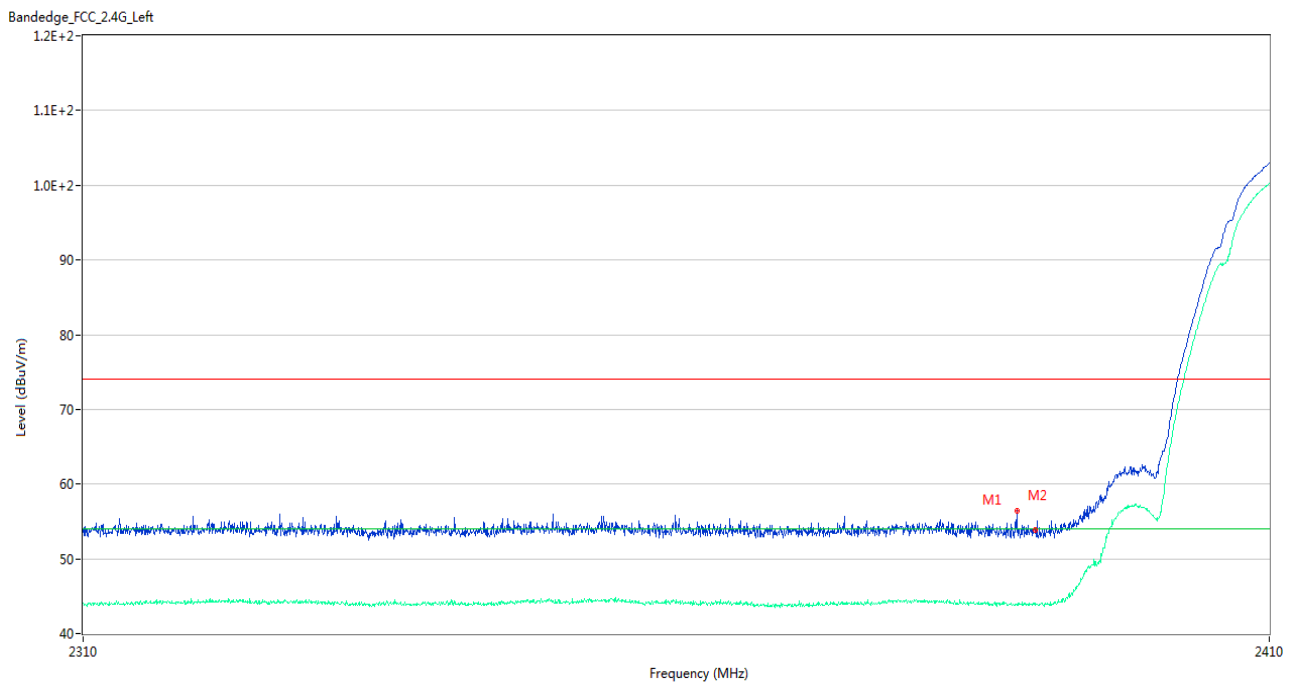
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note <sup>2</sup>: 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 <sup>3</sup>: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

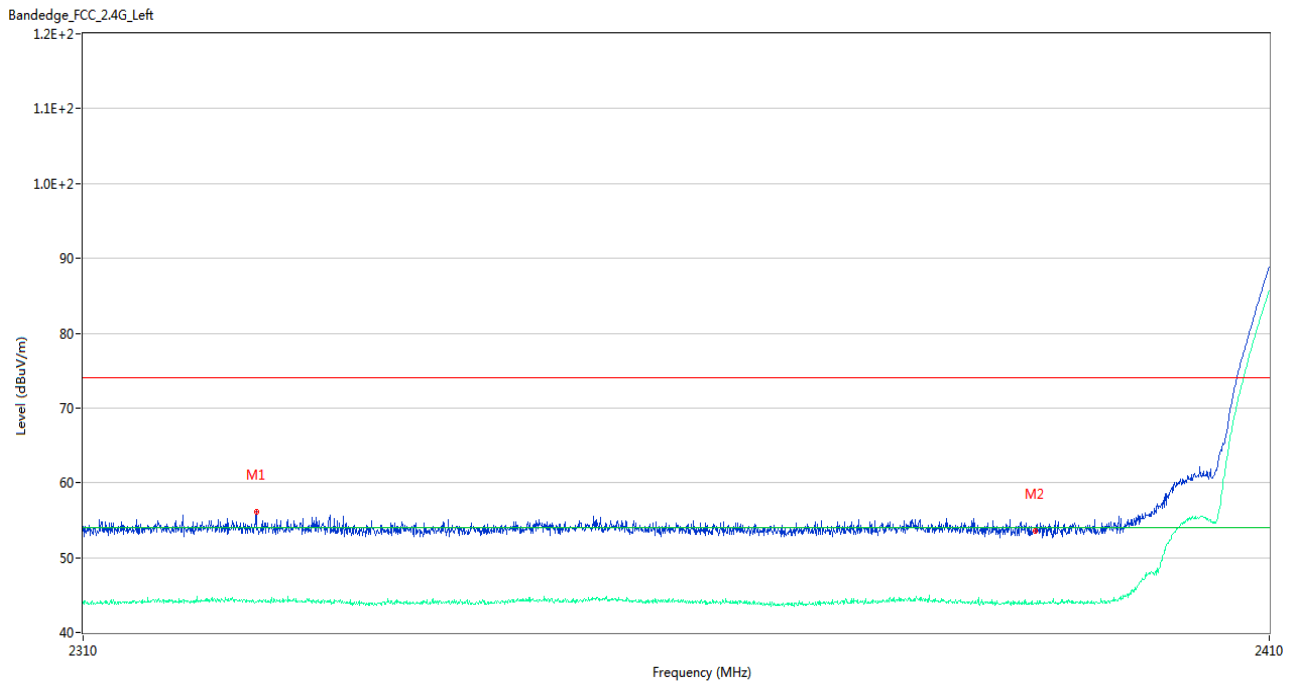
### Test Data and Plots

#### 802.11b CHANNEL 1



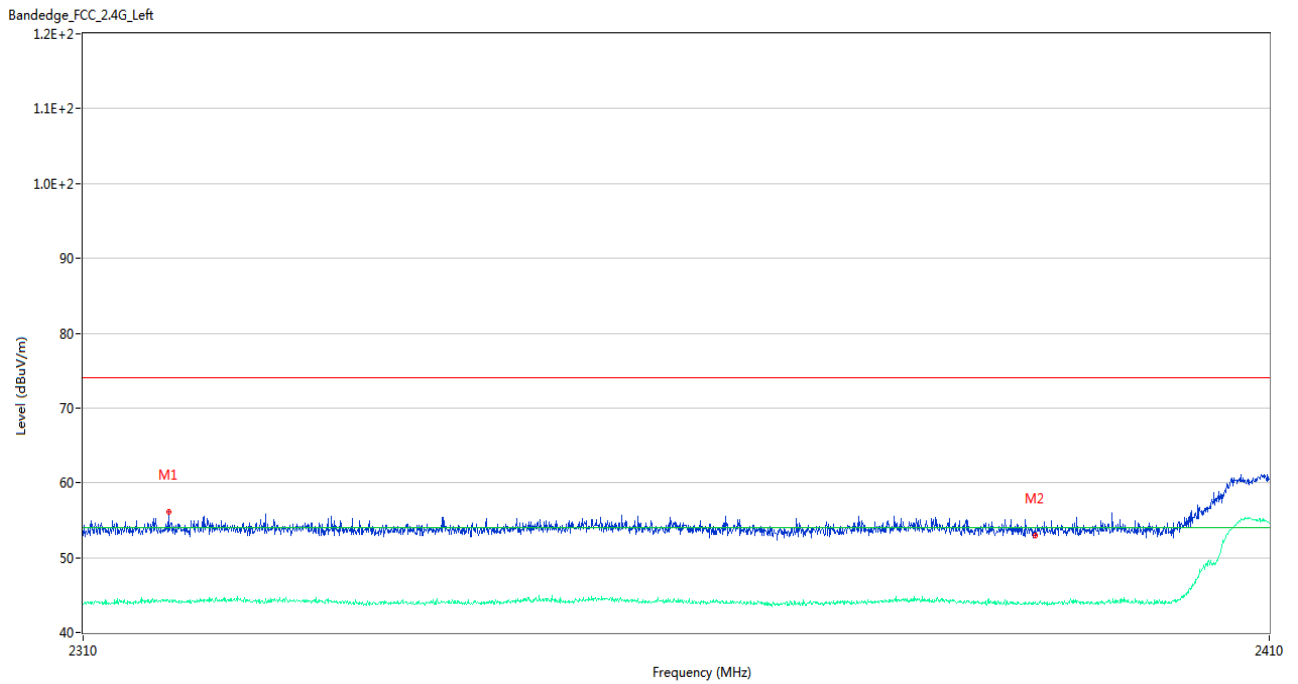
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.350	56.43	-0.64	74.0	17.57	Peak	93.00	100	Horizontal	Pass
1**	2388.350	43.88	-0.64	54.0	10.12	AV	93.00	100	Horizontal	Pass
2	2389.950	53.90	-0.59	74.0	20.10	Peak	219.00	200	Horizontal	Pass
2**	2389.950	44.07	-0.59	54.0	9.93	AV	219.00	200	Horizontal	Pass

802.11b CHANNEL 2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2324.350	56.14	-0.72	74.0	17.86	Peak	133.00	150	Horizontal	Pass
1**	2324.350	44.14	-0.72	54.0	9.86	AV	133.00	150	Horizontal	Pass
2	2389.950	53.52	-0.59	74.0	20.48	Peak	273.00	200	Horizontal	Pass
2**	2389.950	43.95	-0.59	54.0	10.05	AV	273.00	200	Horizontal	Pass

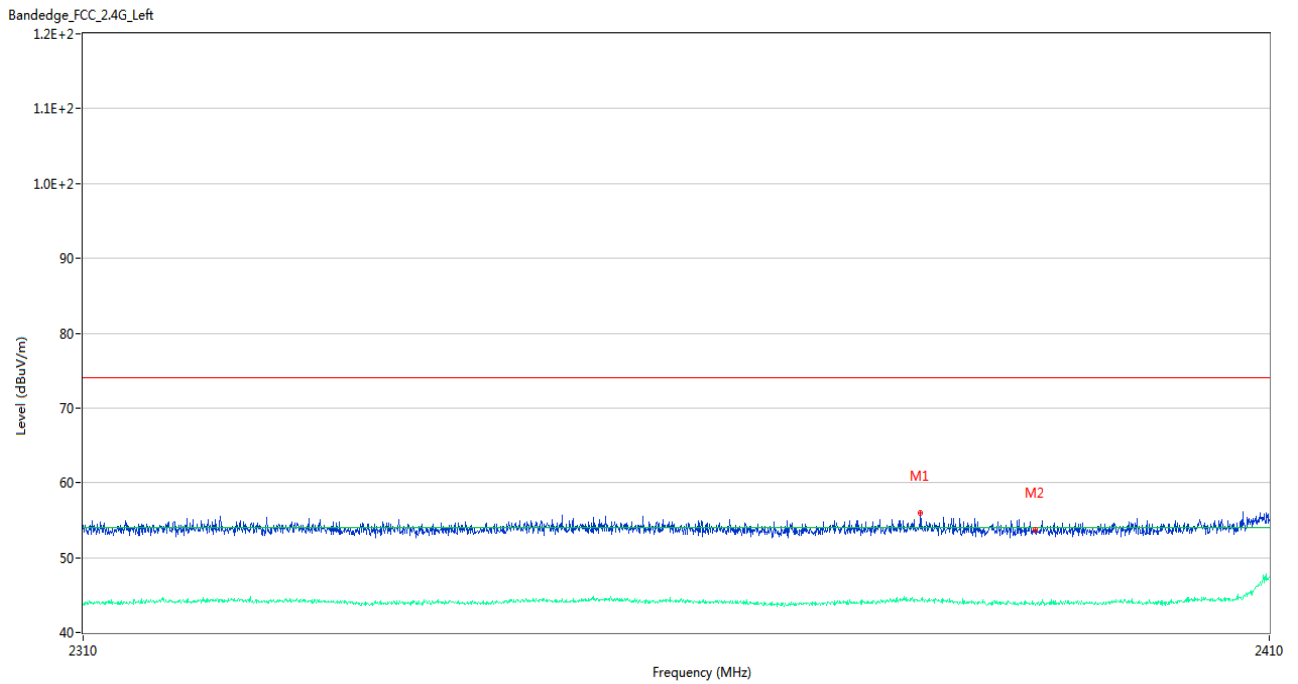
802.11b CHANNEL 3



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2317.050	56.06	-0.77	74.0	17.94	Peak	24.00	200	Horizontal	Pass
1**	2317.050	44.26	-0.77	54.0	9.74	AV	24.00	200	Horizontal	Pass
2	2389.950	52.89	-0.59	74.0	21.11	Peak	2.00	200	Horizontal	Pass
2**	2389.950	43.94	-0.59	54.0	10.06	AV	2.00	200	Horizontal	Pass

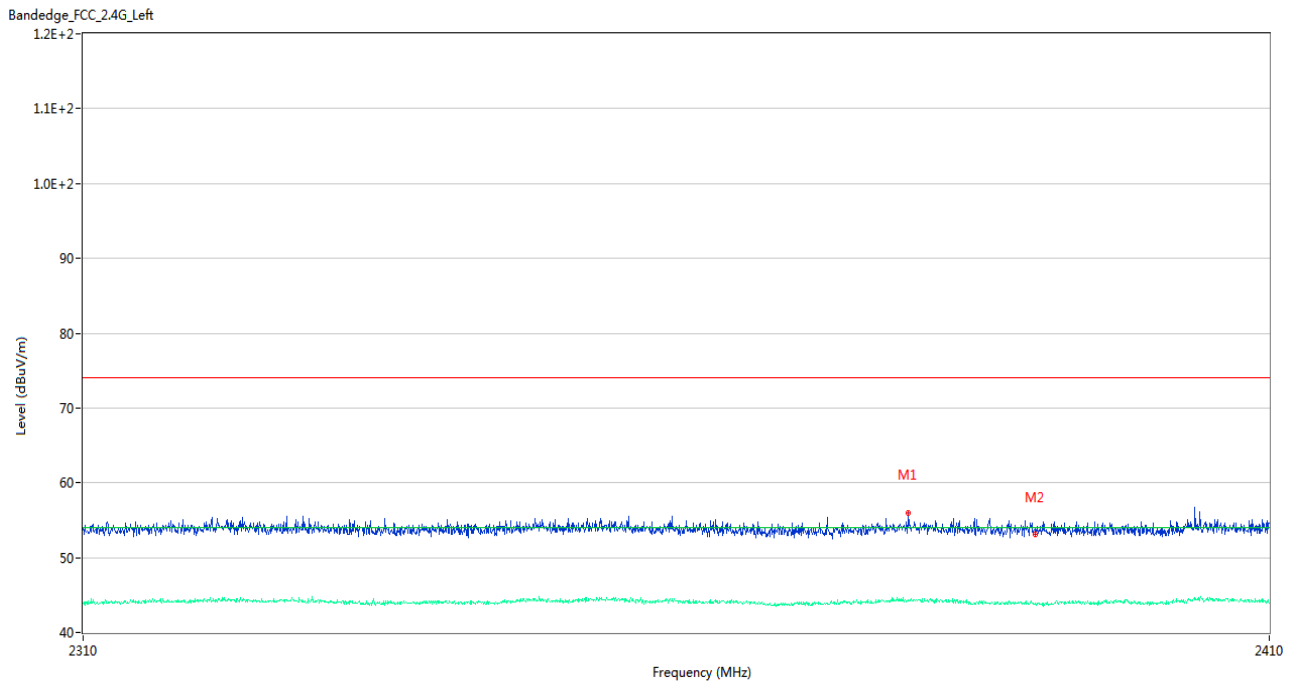


802.11b CHANNEL 4



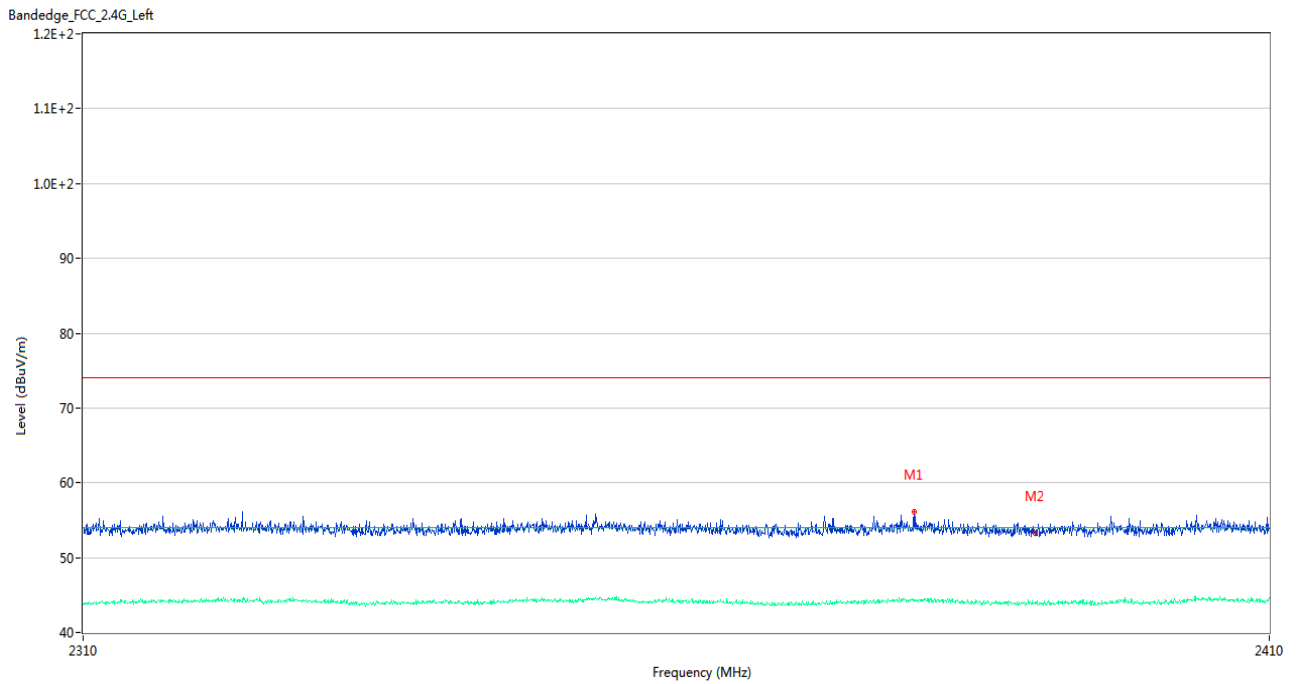
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2380.150	55.98	-0.51	74.0	18.02	Peak	297.00	200	Horizontal	Pass
1**	2380.150	44.15	-0.51	54.0	9.85	AV	297.00	200	Horizontal	Pass
2	2389.950	53.72	-0.59	74.0	20.28	Peak	122.00	150	Horizontal	Pass
2**	2389.950	43.59	-0.59	54.0	10.41	AV	122.00	150	Horizontal	Pass

802.11b CHANNEL 5



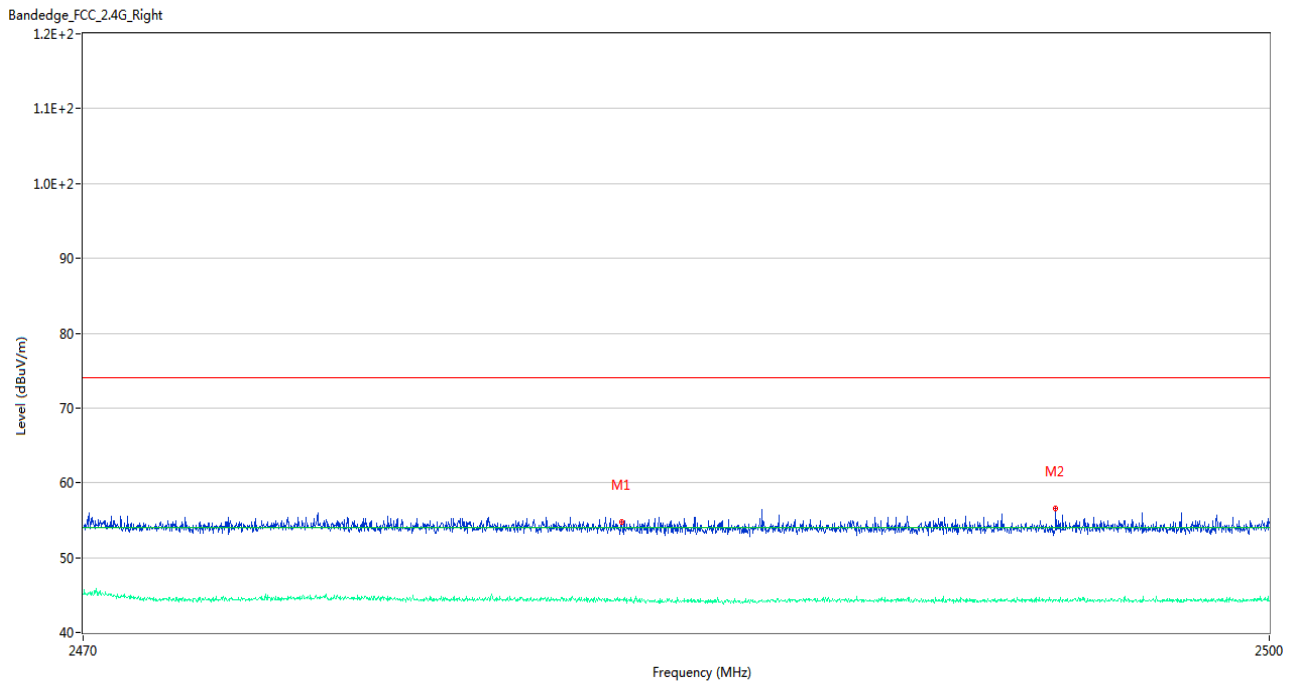
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2379.150	56.04	-0.51	74.0	17.96	Peak	330.00	150	Horizontal	Pass
1**	2379.150	44.20	-0.51	54.0	9.80	AV	330.00	150	Horizontal	Pass
2	2389.950	53.05	-0.59	74.0	20.95	Peak	202.00	150	Horizontal	Pass
2**	2389.950	43.91	-0.59	54.0	10.09	AV	202.00	150	Horizontal	Pass

802.11b CHANNEL 6



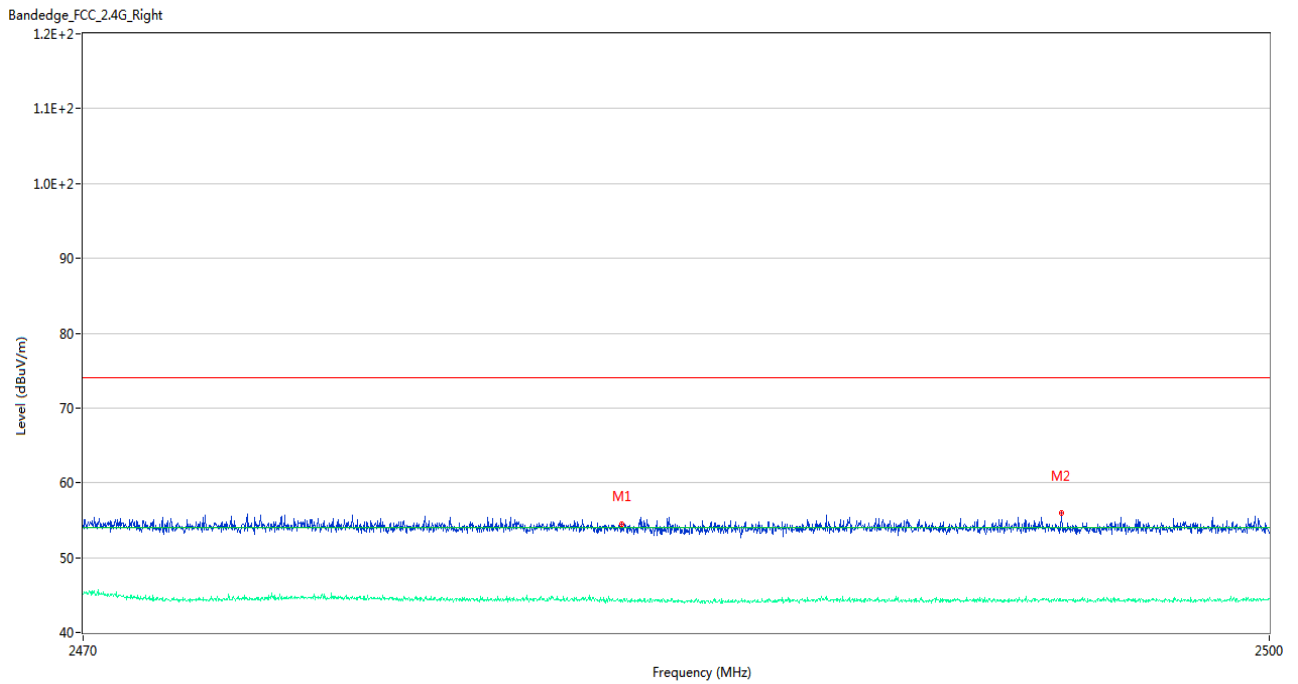
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2379.600	56.17	-0.51	74.0	17.83	Peak	114.00	200	Horizontal	Pass
1**	2379.600	44.31	-0.51	54.0	9.69	AV	114.00	200	Horizontal	Pass
2	2389.950	53.25	-0.59	74.0	20.75	Peak	359.00	150	Horizontal	Pass
2**	2389.950	43.99	-0.59	54.0	10.01	AV	359.00	150	Horizontal	Pass

802.11b CHANNEL 6



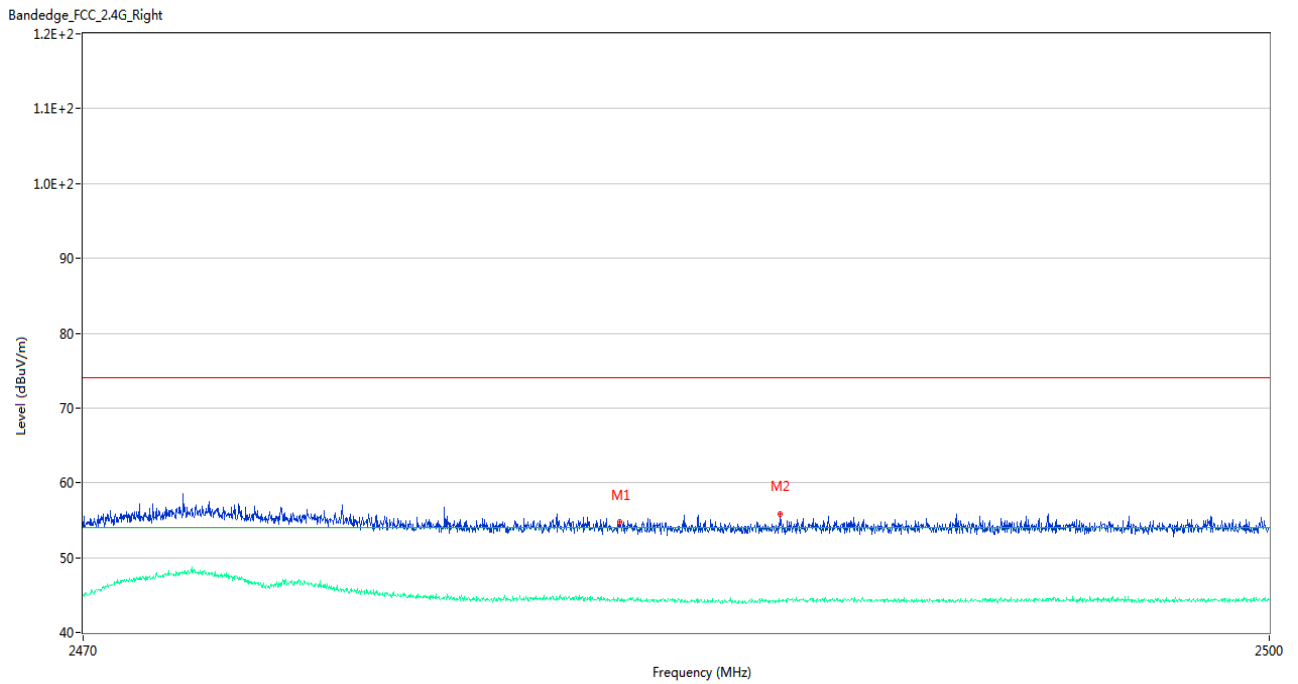
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	54.79	-0.06	74.0	19.21	Peak	341.00	200	Horizontal	Pass
1**	2483.590	44.37	-0.06	54.0	9.63	AV	341.00	200	Horizontal	Pass
2	2494.570	56.54	-0.21	74.0	17.46	Peak	97.00	200	Horizontal	Pass
2**	2494.570	44.20	-0.21	54.0	9.80	AV	97.00	200	Horizontal	Pass

802.11b CHANNEL 7



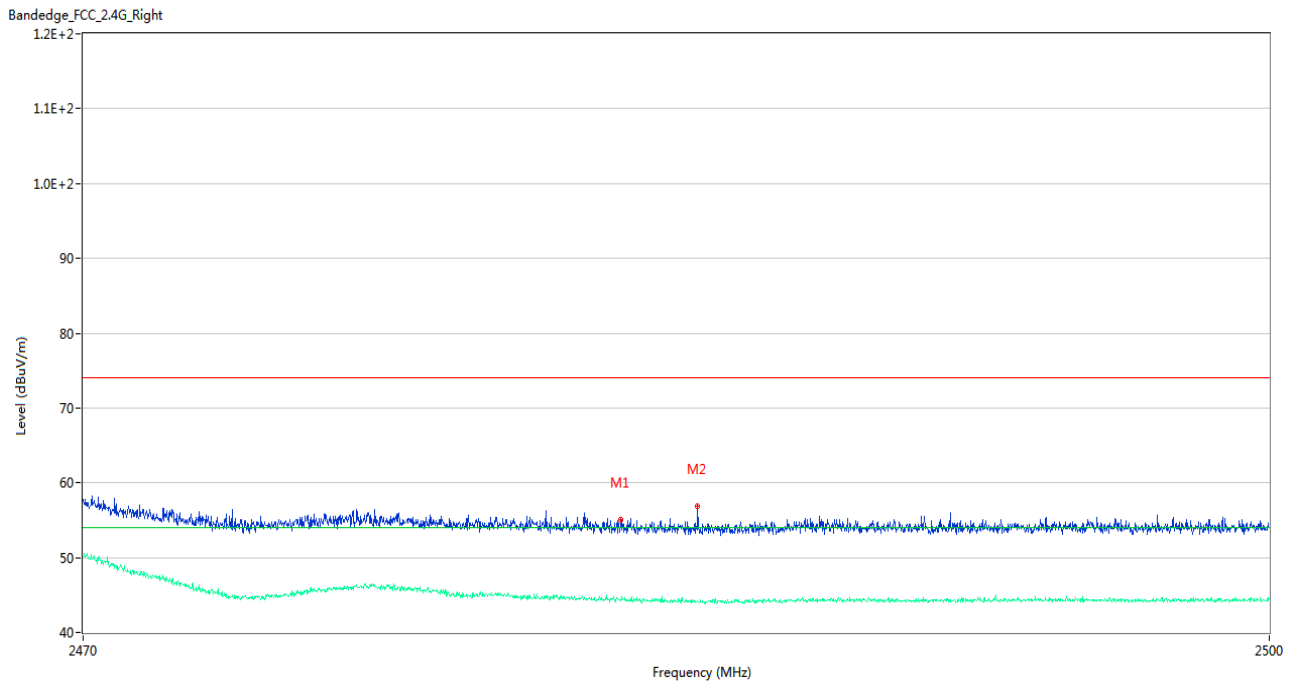
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	54.52	-0.06	74.0	19.48	Peak	48.00	100	Horizontal	Pass
1**	2483.575	44.42	-0.06	54.0	9.58	AV	48.00	100	Horizontal	Pass
2	2494.720	55.91	-0.20	74.0	18.09	Peak	84.00	100	Horizontal	Pass
2**	2494.720	44.15	-0.20	54.0	9.85	AV	84.00	100	Horizontal	Pass

802.11b CHANNEL 8



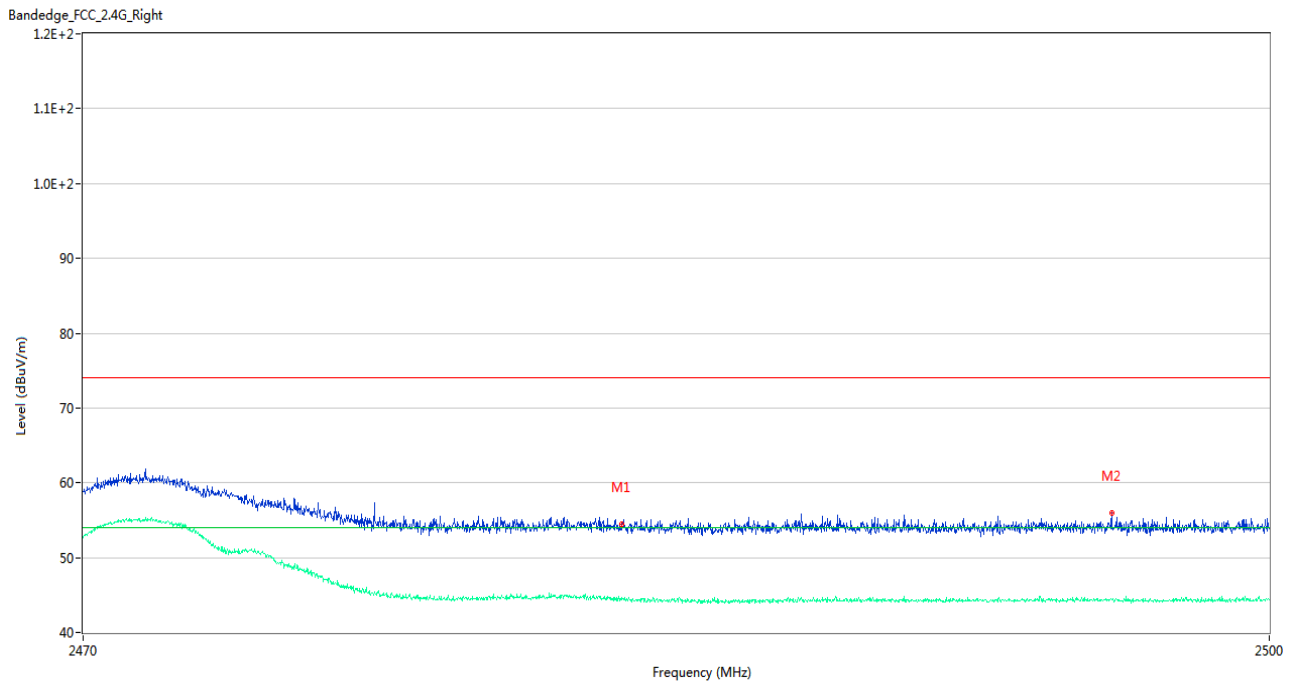
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	54.84	-0.05	74.0	19.16	Peak	278.00	150	Horizontal	Pass
1**	2483.530	44.24	-0.05	54.0	9.76	AV	278.00	150	Horizontal	Pass
2	2487.595	55.85	-0.14	74.0	18.15	Peak	134.00	200	Horizontal	Pass
2**	2487.595	44.23	-0.14	54.0	9.77	AV	134.00	200	Horizontal	Pass

802.11b CHANNEL 9



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	55.06	-0.06	74.0	18.94	Peak	16.00	100	Horizontal	Pass
1**	2483.560	44.17	-0.06	54.0	9.83	AV	16.00	100	Horizontal	Pass
2	2485.495	56.91	-0.18	74.0	17.09	Peak	358.00	150	Horizontal	Pass
2**	2485.495	44.19	-0.18	54.0	9.81	AV	358.00	150	Horizontal	Pass

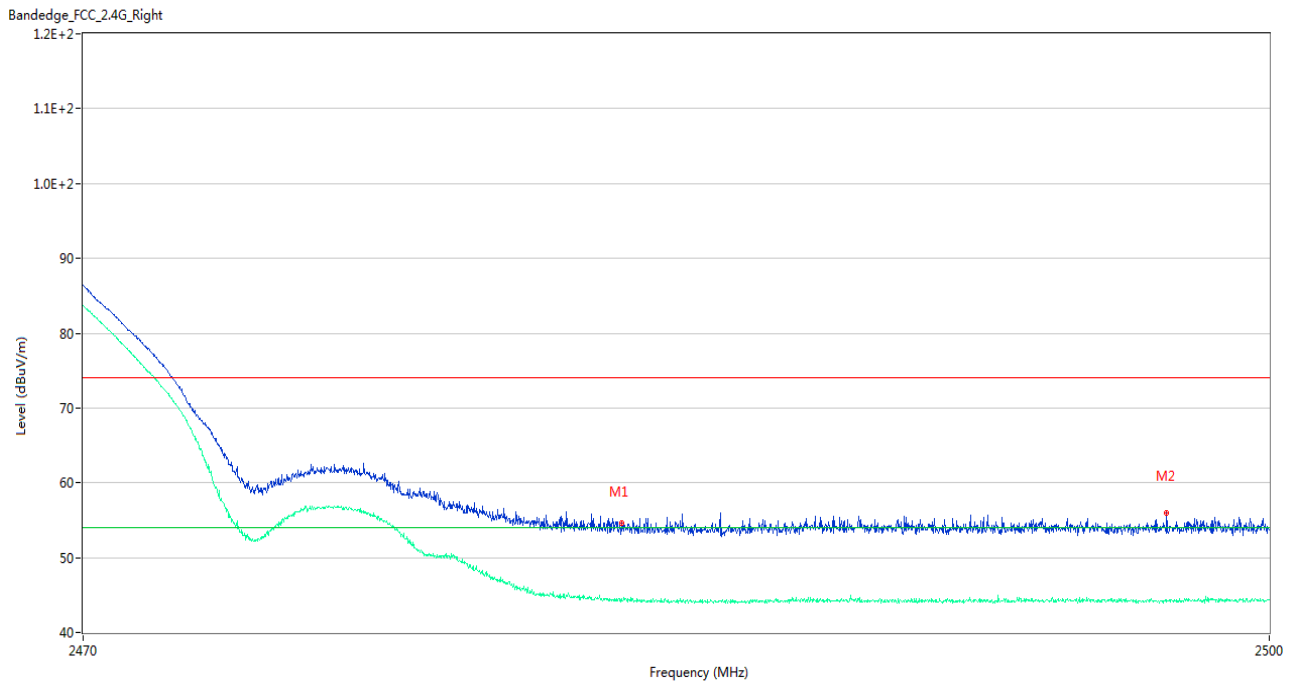
802.11b CHANNEL 10



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	54.48	-0.06	74.0	19.52	Peak	360.00	150	Horizontal	Pass
1**	2483.590	44.43	-0.06	54.0	9.57	AV	360.00	150	Horizontal	Pass
2	2495.995	55.93	-0.23	74.0	18.07	Peak	358.00	150	Horizontal	Pass
2**	2495.995	44.30	-0.23	54.0	9.70	AV	358.00	150	Horizontal	Pass

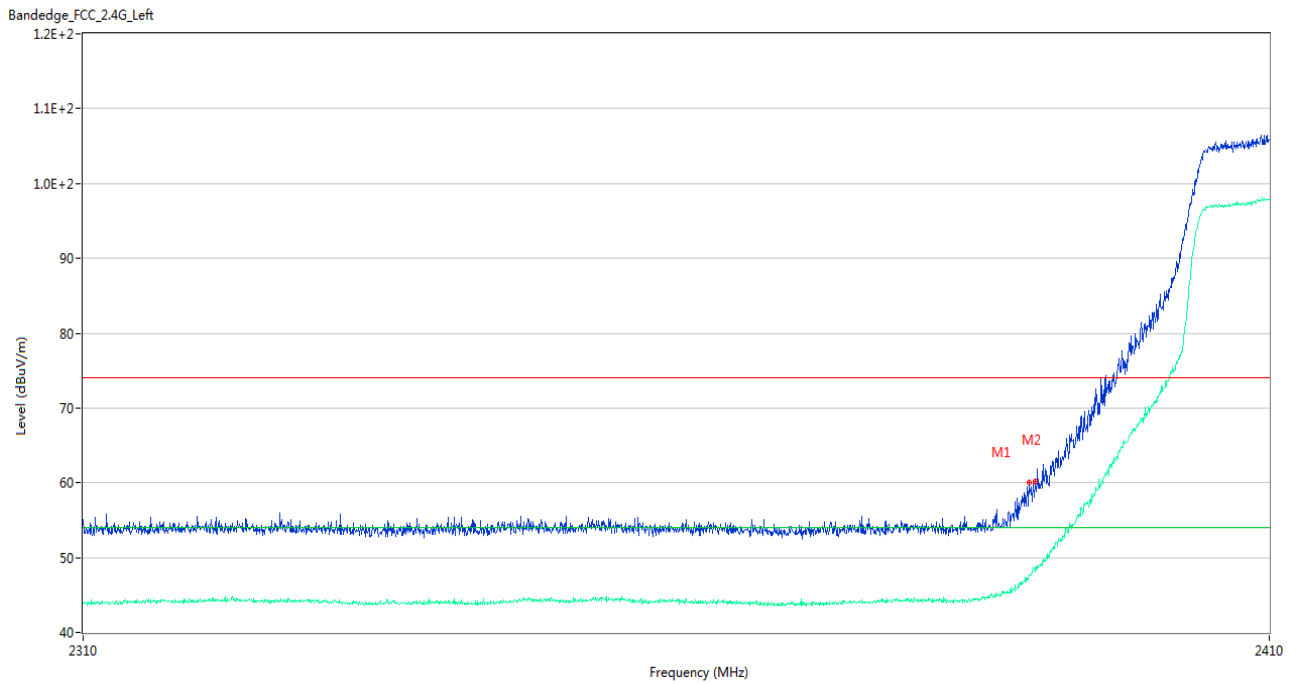


802.11b CHANNEL 11



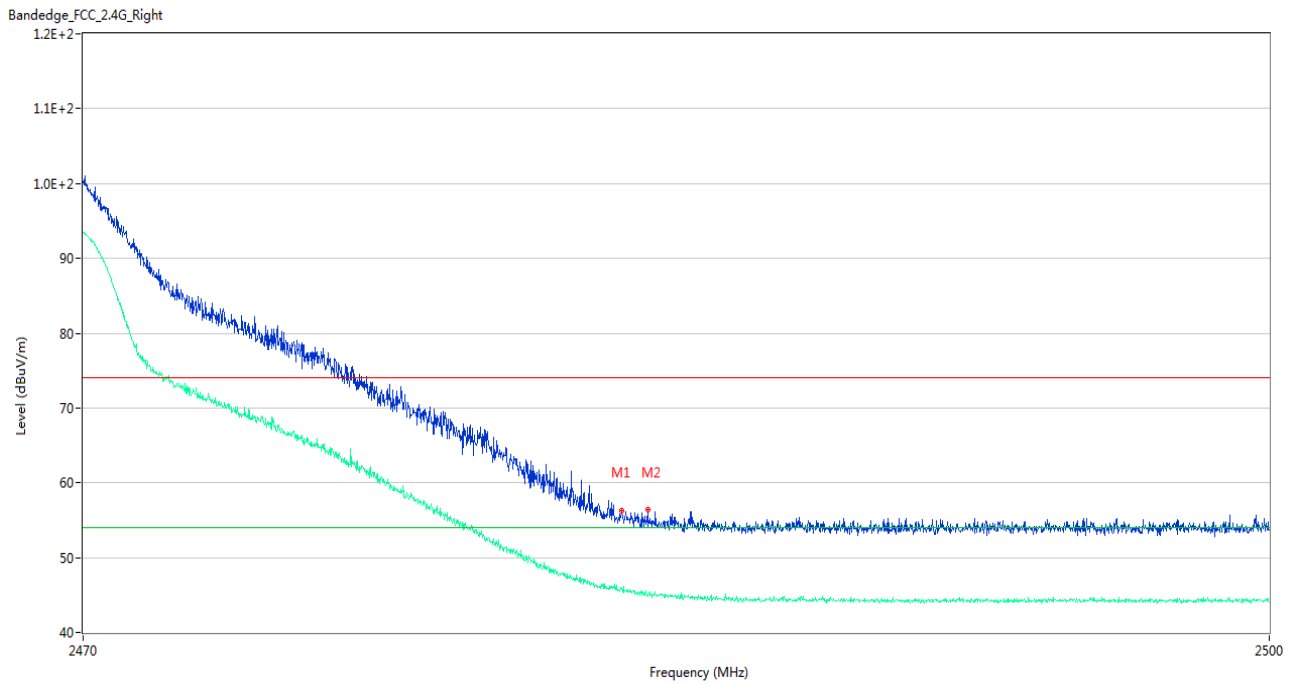
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	54.59	-0.06	74.0	19.41	Peak	351.00	200	Horizontal	Pass
1**	2483.590	44.26	-0.06	54.0	9.74	AV	351.00	200	Horizontal	Pass
2	2497.390	55.99	-0.25	74.0	18.01	Peak	292.00	200	Horizontal	Pass
2**	2497.390	44.36	-0.25	54.0	9.64	AV	292.00	200	Horizontal	Pass

802.11g CHANNEL 1



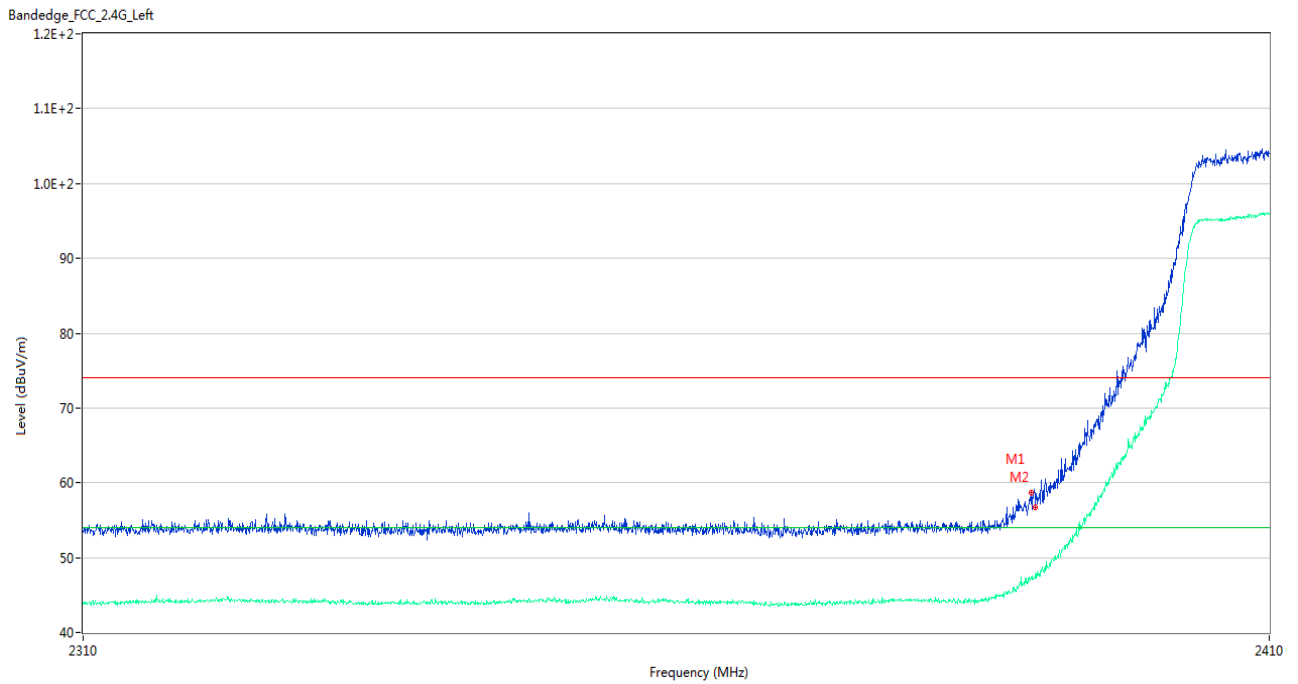
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.400	60.08	-0.61	74.0	13.92	Peak	201.00	100	Horizontal	Pass
1**	2389.400	47.66	-0.61	54.0	6.34	AV	201.00	100	Horizontal	Pass
2	2389.950	60.16	-0.59	74.0	13.84	Peak	0.00	100	Horizontal	Pass
2**	2389.950	48.75	-0.59	54.0	5.25	AV	0.00	100	Horizontal	Pass

802.11g CHANNEL 11



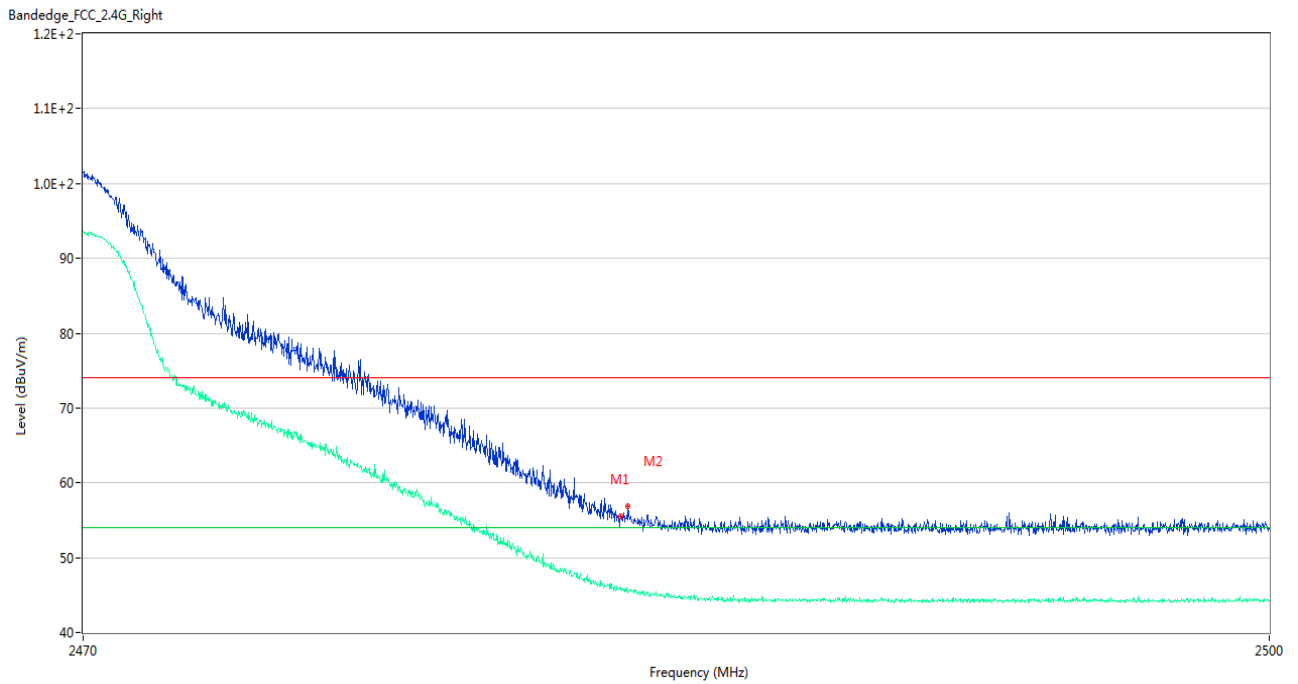
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	56.33	-0.06	74.0	17.67	Peak	213.00	200	Horizontal	Pass
1**	2483.590	45.95	-0.06	54.0	8.05	AV	213.00	200	Horizontal	Pass
2	2484.235	56.42	-0.12	74.0	17.58	Peak	286.00	100	Horizontal	Pass
2**	2484.235	44.92	-0.12	54.0	9.08	AV	286.00	100	Horizontal	Pass

802.11n20 CHANNEL 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.600	58.63	-0.60	74.0	15.37	Peak	199.00	100	Horizontal	Pass
1**	2389.600	47.41	-0.60	54.0	6.59	AV	199.00	100	Horizontal	Pass
2	2389.950	56.71	-0.59	74.0	17.29	Peak	211.00	100	Horizontal	Pass
2**	2389.950	47.84	-0.59	54.0	6.16	AV	211.00	100	Horizontal	Pass

802.11n20 CHANNEL 11



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	55.53	-0.06	74.0	18.47	Peak	200.00	200	Horizontal	Pass
1**	2483.545	46.05	-0.06	54.0	7.95	AV	200.00	200	Horizontal	Pass
2	2483.740	56.89	-0.07	74.0	17.11	Peak	287.00	100	Horizontal	Pass
2**	2483.740	45.60	-0.07	54.0	8.40	AV	287.00	100	Horizontal	Pass

## A.8 Power Spectral Density (PSD)

### Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-5.31	8
CH2	-5.79	8
CH3	-5.99	8
CH4	-4.93	8
CH5	-3.30	8
CH6	-4.51	8
CH7	-5.50	8
CH8	-3.10	8
CH9	-4.45	8
CH10	-4.26	8
CH11	-3.37	8

802.11g Mode:

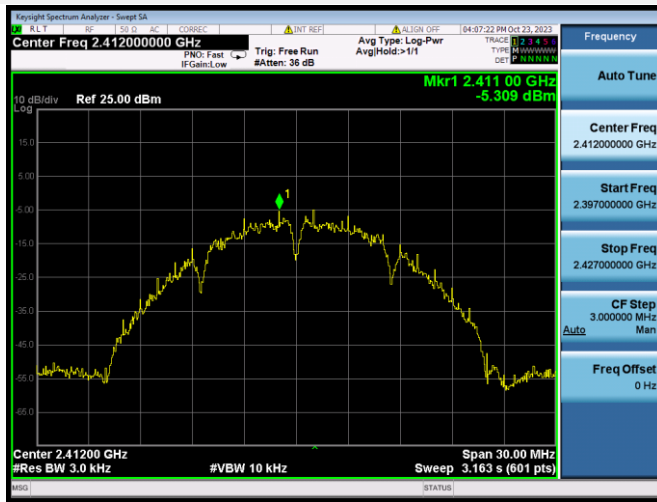
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-9.38	8
CH6	-9.82	8
CH11	-10.17	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-11.39	8
CH6	-10.49	8
CH11	-11.58	8

Test Plots

802.11b CHANNEL 1



802.11b CHANNEL 2



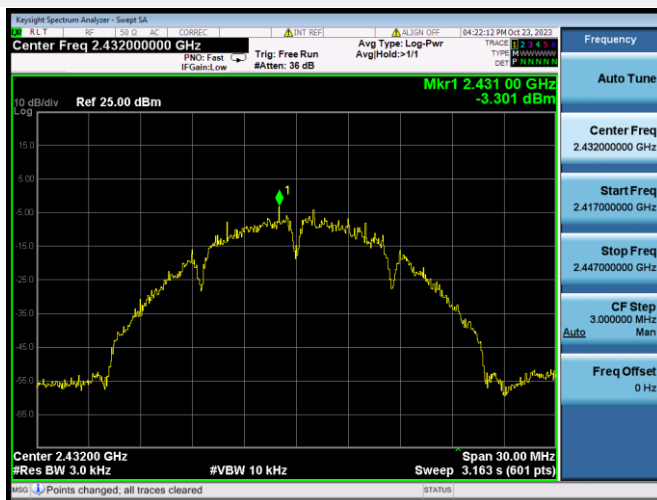
802.11b CHANNEL 3



802.11b CHANNEL 4



802.11b CHANNEL 5



802.11b CHANNEL 6



802.11b CHANNEL 7



802.11b CHANNEL 8



802.11b CHANNEL 9



802.11b CHANNEL 10



802.11b CHANNEL 11

