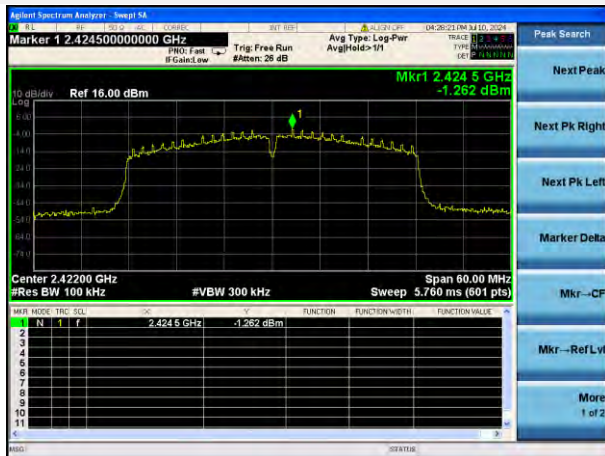


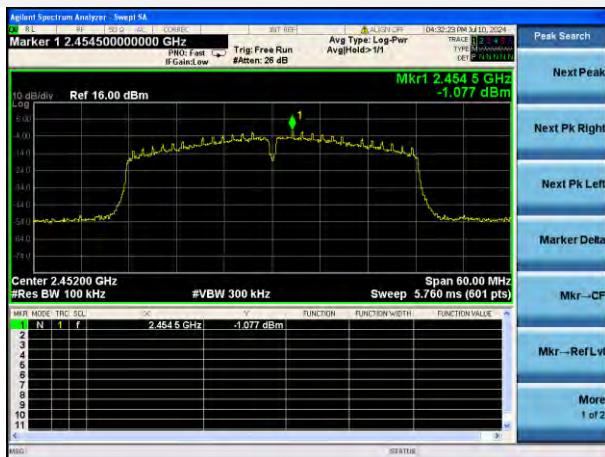
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



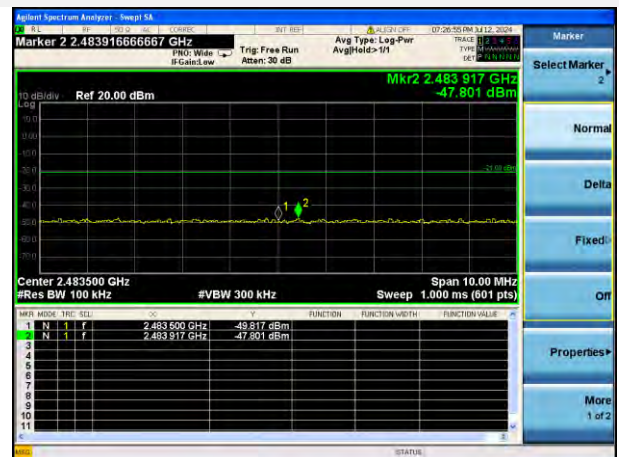
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

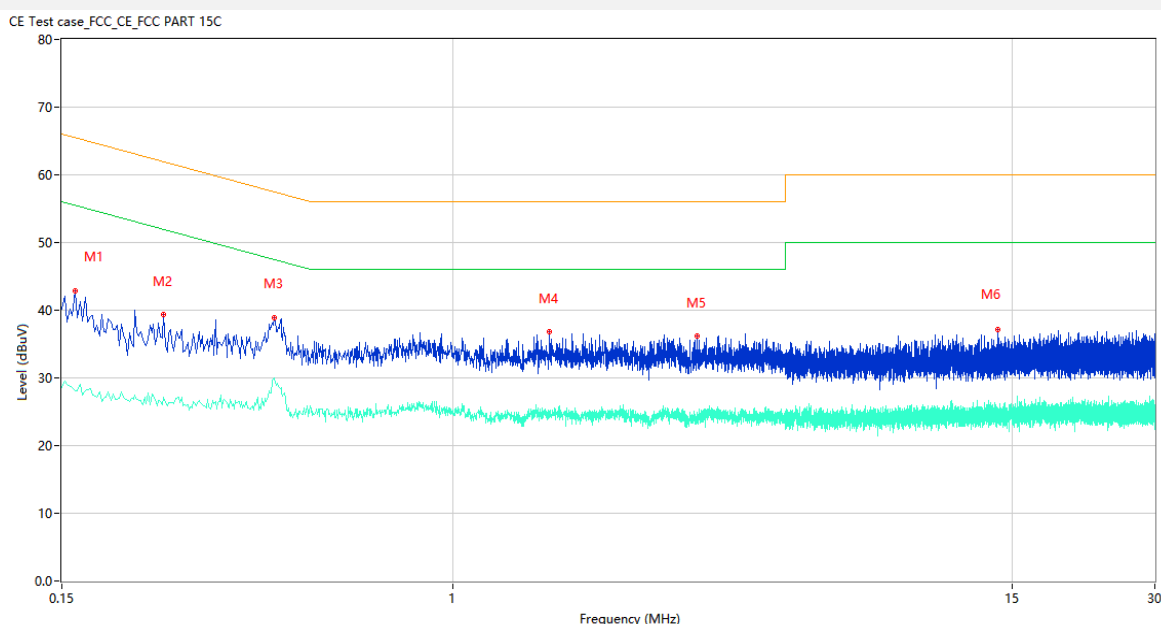
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note ²: 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.

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

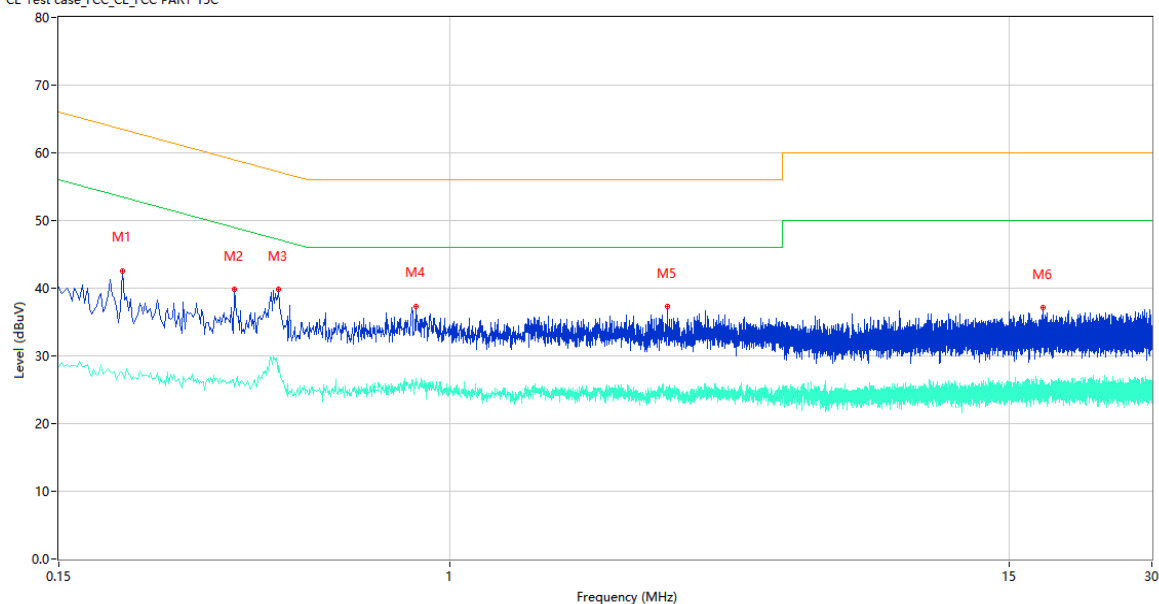
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	42.88	9.78	65.46	22.58	Peak	L	Pass
1**	0.160	28.17	9.78	55.46	27.29	AV	L	Pass
2	0.246	39.35	9.77	61.89	22.54	Peak	L	Pass
2**	0.246	27.10	9.77	51.89	24.79	AV	L	Pass
3	0.420	38.94	10.34	57.45	18.51	Peak	L	Pass
3**	0.420	30.01	10.34	47.45	17.44	AV	L	Pass
4	1.592	36.77	9.90	56.00	19.23	Peak	L	Pass
4**	1.592	25.04	9.90	46.00	20.96	AV	L	Pass
5	3.258	36.14	10.12	56.00	19.86	Peak	L	Pass
5**	3.258	24.00	10.12	46.00	22.00	AV	L	Pass
6	14.000	37.14	10.55	60.00	22.86	Peak	L	Pass
6**	14.000	23.97	10.55	50.00	26.03	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	0.204	42.55	9.77	63.45	20.90	Peak	N	Pass
1**	0.204	27.49	9.77	53.45	25.96	AV	N	Pass
2	0.352	39.80	10.75	58.92	19.12	Peak	N	Pass
2**	0.352	25.35	10.75	48.92	23.57	AV	N	Pass
3	0.436	39.77	10.17	57.14	17.37	Peak	N	Pass
3**	0.436	28.61	10.17	47.14	18.53	AV	N	Pass
4	0.848	37.34	10.62	56.00	18.66	Peak	N	Pass
4**	0.848	26.67	10.62	46.00	19.33	AV	N	Pass
5	2.862	37.29	9.83	56.00	18.71	Peak	N	Pass
5**	2.862	24.79	9.83	46.00	21.21	AV	N	Pass
6	17.730	37.08	10.95	60.00	22.92	Peak	N	Pass
6**	17.730	25.73	10.95	50.00	24.27	AV	N	Pass

A.6 Radiated Emission

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

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

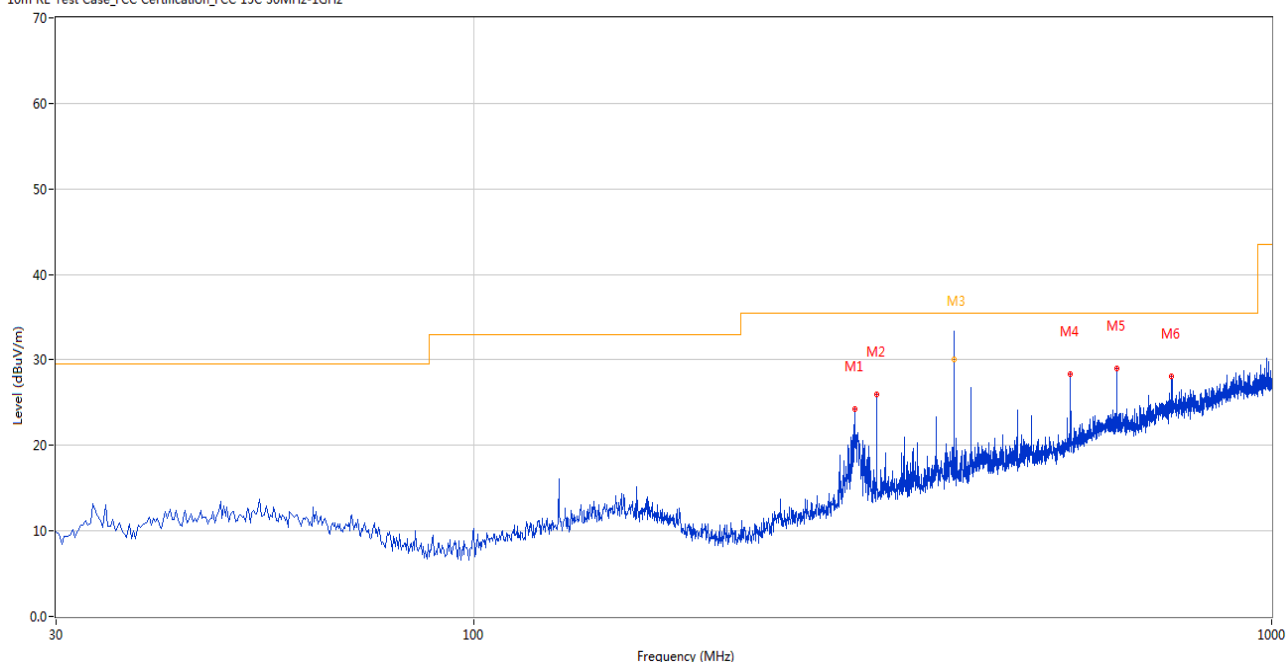
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

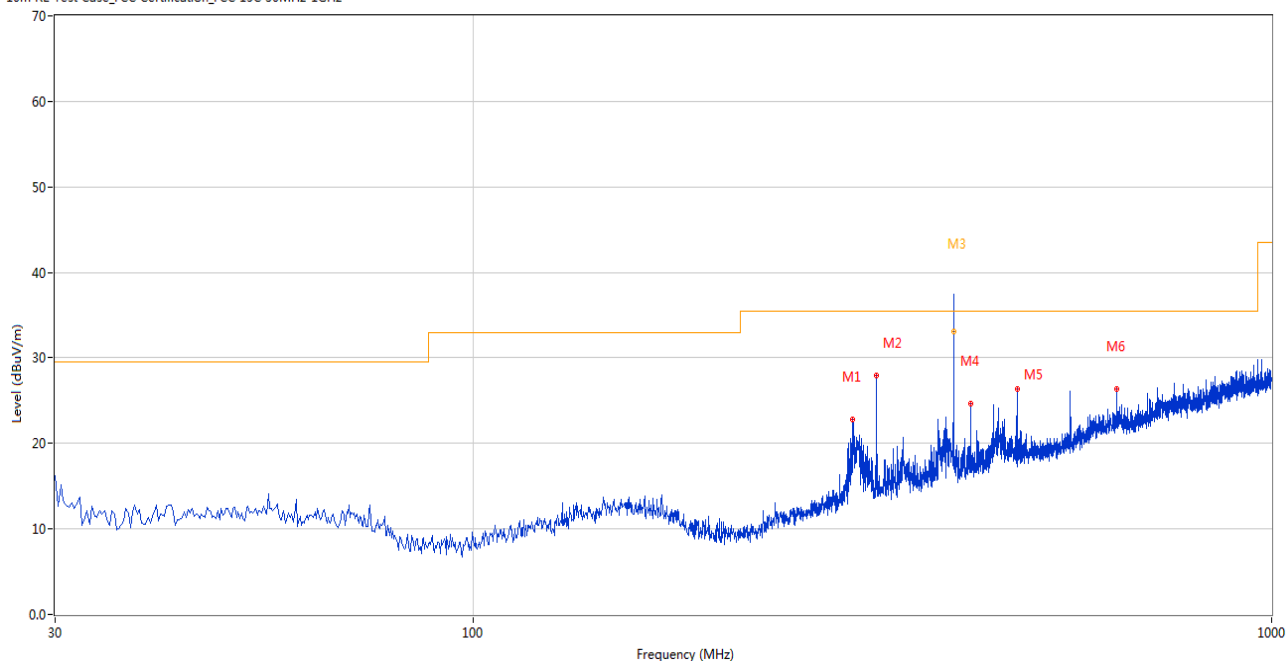
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	300.320	24.29	-24.86	35.5	11.21	Peak	259.00	200	Horizontal	Pass
2	319.958	25.96	-24.36	35.5	9.54	Peak	259.00	200	Horizontal	Pass
3	399.997	32.14	-22.39	35.5	3.36	Peak	221.00	184	Horizontal	N/A
3*	399.997	30.06	-22.39	35.5	5.44	QP	221.00	184	Horizontal	Pass
4	559.973	28.34	-18.05	35.5	7.16	Peak	264.00	100	Horizontal	Pass
5	639.978	29.03	-15.87	35.5	6.47	Peak	226.00	100	Horizontal	Pass
6	749.803	28.06	-13.26	35.5	7.44	Peak	360.00	200	Horizontal	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	299.108	22.83	-24.82	35.5	12.67	Peak	226.00	100	Vertical	Pass
2	319.958	27.98	-24.36	35.5	7.52	Peak	0.00	200	Vertical	Pass
3	399.997	35.12	-22.39	35.5	0.38	Peak	118.00	108	Vertical	N/A
3*	399.997	33.06	-22.39	35.5	2.44	QP	118.00	108	Vertical	Pass
4	419.843	24.66	-21.76	35.5	10.84	Peak	79.00	100	Vertical	Pass
5	479.968	26.38	-20.20	35.5	9.12	Peak	199.00	100	Vertical	Pass
6	639.978	26.37	-15.87	35.5	9.13	Peak	285.00	200	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.

SISO-Main Antenna

1 GHz to 18 GHz, ANT H 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	1066.100	48.24	-18.22	74.0	25.76	Peak	172.00	100	Horizontal	Pass
1**	1066.100	44.76	-18.22	54.0	9.24	AV	172.00	100	Horizontal	Pass
2	2413.500	92.31	-10.75	74.0	-18.31	Peak	311.00	200	Horizontal	N/A
2**	2413.500	89.33	-10.75	54.0	-35.33	AV	311.00	200	Horizontal	N/A
3	4824.000	56.02	-1.97	74.0	17.98	Peak	123.00	150	Horizontal	Pass
3**	4824.000	53.16	-1.97	54.0	0.84	AV	123.00	150	Horizontal	Pass
4	4824.200	55.80	-2.04	74.0	18.20	Peak	77.00	150	Horizontal	Pass
4**	4824.200	53.40	-2.04	54.0	0.60	AV	77.00	150	Horizontal	Pass
5	13327.762	56.15	0.93	74.0	17.85	Peak	114.00	150	Horizontal	Pass
5**	13327.762	46.62	0.93	54.0	7.38	AV	114.00	150	Horizontal	Pass
6	17406.224	56.40	3.35	74.0	17.60	Peak	257.00	300	Horizontal	Pass
6**	17406.224	47.15	3.35	54.0	6.85	AV	257.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1559.800	43.48	-16.94	74.0	30.52	Peak	112.00	200	Vertical	Pass
1**	1559.800	33.29	-16.94	54.0	20.71	AV	112.00	200	Vertical	Pass
2	2413.400	104.74	-10.75	74.0	-30.74	Peak	263.00	200	Vertical	N/A
2**	2413.400	101.84	-10.75	54.0	-47.84	AV	263.00	200	Vertical	N/A
3	4823.800	56.19	-1.95	74.0	17.81	Peak	4.00	200	Vertical	Pass
3**	4823.800	52.54	-1.95	54.0	1.46	AV	4.00	200	Vertical	Pass
4	4824.200	55.79	-2.04	74.0	18.21	Peak	15.00	150	Vertical	Pass
4**	4824.200	53.82	-2.04	54.0	0.18	AV	15.00	150	Vertical	Pass
5	9648.162	52.97	-0.15	74.0	21.03	Peak	65.00	150	Vertical	Pass
5**	9648.162	49.83	-0.15	54.0	4.17	AV	65.00	150	Vertical	Pass
6	15667.951	56.60	1.39	74.0	17.40	Peak	263.00	200	Vertical	Pass
6**	15667.951	46.64	1.39	54.0	7.36	AV	263.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.100	45.49	-18.22	74.0	28.51	Peak	140.00	200	Horizontal	Pass
1**	1066.100	41.49	-18.22	54.0	12.51	AV	140.00	200	Horizontal	Pass
2	2435.200	91.40	-12.16	74.0	-17.40	Peak	310.00	100	Horizontal	N/A
2**	2435.200	88.20	-12.16	54.0	-34.20	AV	310.00	100	Horizontal	N/A
3	4874.000	55.77	-2.66	74.0	18.23	Peak	86.00	200	Horizontal	Pass
3**	4874.000	52.60	-2.66	54.0	1.40	AV	86.00	200	Horizontal	Pass
4	4874.200	54.45	-2.66	74.0	19.55	Peak	117.00	150	Horizontal	Pass
4**	4874.200	53.06	-2.66	54.0	0.94	AV	117.00	150	Horizontal	Pass
5	13422.262	56.30	0.40	74.0	17.70	Peak	22.00	150	Horizontal	Pass
5**	13422.262	47.00	0.40	54.0	7.00	AV	22.00	150	Horizontal	Pass
6	17406.224	55.93	3.35	74.0	18.07	Peak	248.00	400	Horizontal	Pass
6**	17406.224	46.44	3.35	54.0	7.56	AV	248.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	44.19	-18.22	74.0	29.81	Peak	126.00	300	Vertical	Pass
1**	1066.200	37.55	-18.22	54.0	16.45	AV	126.00	300	Vertical	Pass
2	2437.100	104.05	-12.13	74.0	-30.05	Peak	231.00	100	Vertical	N/A
2**	2437.100	100.45	-12.13	54.0	-46.45	AV	231.00	100	Vertical	N/A
3	4874.000	56.08	-2.66	74.0	17.92	Peak	15.00	150	Vertical	Pass
3**	4874.000	53.08	-2.66	54.0	0.92	AV	15.00	150	Vertical	Pass
4	4874.200	55.28	-2.66	74.0	18.72	Peak	80.00	150	Vertical	Pass
4**	4874.200	53.55	-2.66	54.0	0.45	AV	80.00	150	Vertical	Pass
5	9748.213	53.98	-0.46	74.0	20.02	Peak	63.00	150	Vertical	Pass
5**	9748.213	49.48	-0.46	54.0	4.52	AV	63.00	150	Vertical	Pass
6	17467.126	56.36	2.90	74.0	17.64	Peak	141.00	200	Vertical	Pass
6**	17467.126	47.20	2.90	54.0	6.80	AV	141.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.100	48.81	-18.22	74.0	25.19	Peak	204.00	400	Horizontal	Pass
1**	1066.100	45.11	-18.22	54.0	8.89	AV	204.00	400	Horizontal	Pass
2	2462.200	88.17	-11.90	74.0	-14.17	Peak	306.00	100	Horizontal	N/A
2**	2462.200	83.94	-11.90	54.0	-29.94	AV	306.00	100	Horizontal	N/A
3	4924.200	55.75	-2.42	74.0	18.25	Peak	130.00	200	Horizontal	Pass
3**	4924.200	52.25	-2.42	54.0	1.75	AV	130.00	200	Horizontal	Pass
4	4924.400	54.23	-2.42	74.0	19.77	Peak	130.00	150	Horizontal	Pass
4**	4924.400	52.45	-2.42	54.0	1.55	AV	130.00	150	Horizontal	Pass
5	13447.200	55.99	0.58	74.0	18.01	Peak	215.00	150	Horizontal	Pass
5**	13447.200	46.80	0.58	54.0	7.20	AV	215.00	150	Horizontal	Pass
6	17381.812	56.15	2.69	74.0	17.85	Peak	254.00	200	Horizontal	Pass
6**	17381.812	47.14	2.69	54.0	6.86	AV	254.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1066.100	44.29	-18.22	74.0	29.71	Peak	360.00	400	Vertical	Pass
1**	1066.100	39.52	-18.22	54.0	14.48	AV	360.00	400	Vertical	Pass
2	2460.500	104.34	-12.02	74.0	-30.34	Peak	274.00	150	Vertical	N/A
2**	2460.500	100.98	-12.02	54.0	-46.98	AV	274.00	150	Vertical	N/A
3	4924.000	56.77	-2.42	74.0	17.23	Peak	37.00	200	Vertical	Pass
3**	4924.000	52.82	-2.42	54.0	1.18	AV	37.00	200	Vertical	Pass
4	4924.200	56.19	-2.42	74.0	17.81	Peak	27.00	150	Vertical	Pass
4**	4924.200	53.44	-2.42	54.0	0.56	AV	27.00	150	Vertical	Pass
5	9848.263	51.82	-0.68	74.0	22.18	Peak	54.00	150	Vertical	Pass
5**	9848.263	47.81	-0.68	54.0	6.19	AV	54.00	150	Vertical	Pass
6	17420.663	56.73	3.74	74.0	17.27	Peak	15.00	400	Vertical	Pass
6**	17420.663	47.43	3.74	54.0	6.57	AV	15.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.300	48.66	-18.23	74.0	25.34	Peak	145.00	400	Horizontal	Pass
1**	1066.300	39.24	-18.23	54.0	14.76	AV	145.00	400	Horizontal	Pass
2	2413.100	98.89	-10.73	74.0	-24.89	Peak	300.00	150	Horizontal	N/A
2**	2413.100	91.81	-10.73	54.0	-37.81	AV	300.00	150	Horizontal	N/A
3	4823.400	57.96	-1.99	74.0	16.04	Peak	115.00	150	Horizontal	Pass
3**	4823.400	52.65	-1.99	54.0	1.35	AV	115.00	150	Horizontal	Pass
4	4825.600	60.73	-2.48	74.0	13.27	Peak	115.00	100	Horizontal	Pass
4**	4825.600	51.64	-2.48	54.0	2.36	AV	115.00	100	Horizontal	Pass
5	9648.162	48.82	-0.15	74.0	25.18	Peak	181.00	150	Horizontal	Pass
5**	9648.162	45.13	-0.15	54.0	8.87	AV	181.00	150	Horizontal	Pass
6	15833.062	55.73	1.47	74.0	18.27	Peak	173.00	150	Horizontal	Pass
6**	15833.062	46.55	1.47	54.0	7.45	AV	173.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.900	43.11	-18.21	74.0	30.89	Peak	99.00	100	Vertical	Pass
1**	1065.900	35.79	-18.21	54.0	18.21	AV	99.00	100	Vertical	Pass
2	2413.500	110.56	-10.75	74.0	-36.56	Peak	355.00	100	Vertical	N/A
2**	2413.500	102.88	-10.75	54.0	-48.88	AV	355.00	100	Vertical	N/A
3	4818.800	59.07	-2.09	74.0	14.93	Peak	4.00	150	Vertical	Pass
3**	4818.800	52.80	-2.09	54.0	1.20	AV	4.00	150	Vertical	Pass
4	4824.800	60.52	-2.22	74.0	13.48	Peak	16.00	200	Vertical	Pass
4**	4824.800	52.59	-2.22	54.0	1.41	AV	16.00	200	Vertical	Pass
5	9648.451	51.28	-0.15	74.0	22.72	Peak	67.00	150	Vertical	Pass
5**	9648.451	49.62	-0.15	54.0	4.38	AV	67.00	150	Vertical	Pass
6	13435.388	56.08	0.42	74.0	17.92	Peak	0.00	150	Vertical	Pass
6**	13435.388	47.14	0.42	54.0	6.86	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	43.50	-18.22	74.0	30.50	Peak	138.00	200	Horizontal	Pass
1**	1066.000	37.79	-18.22	54.0	16.21	AV	138.00	200	Horizontal	Pass
2	2434.200	97.82	-12.22	74.0	-23.82	Peak	316.00	150	Horizontal	N/A
2**	2434.200	89.58	-12.22	54.0	-35.58	AV	316.00	150	Horizontal	N/A
3	4875.800	56.18	-2.67	74.0	17.82	Peak	119.00	150	Horizontal	Pass
3**	4875.800	52.19	-2.67	54.0	1.81	AV	119.00	150	Horizontal	Pass
4	4876.800	59.47	-2.68	74.0	14.53	Peak	308.00	100	Horizontal	Pass
4**	4876.800	50.24	-2.68	54.0	3.76	AV	308.00	100	Horizontal	Pass
5	13322.776	56.07	0.92	74.0	17.93	Peak	360.00	150	Horizontal	Pass
5**	13322.776	46.59	0.92	54.0	7.41	AV	360.00	150	Horizontal	Pass
6	16081.912	56.82	1.60	74.0	17.18	Peak	274.00	150	Horizontal	Pass
6**	16081.912	46.59	1.60	54.0	7.41	AV	274.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	45.14	-18.22	74.0	28.86	Peak	120.00	400	Vertical	Pass
1**	1066.200	40.01	-18.22	54.0	13.99	AV	120.00	400	Vertical	Pass
2	2438.500	109.27	-12.24	74.0	-35.27	Peak	253.00	100	Vertical	N/A
2**	2438.500	102.00	-12.24	54.0	-48.00	AV	253.00	100	Vertical	N/A
3	4871.400	61.79	-2.70	74.0	12.21	Peak	16.00	100	Vertical	Pass
3**	4871.400	50.35	-2.70	54.0	3.65	AV	16.00	100	Vertical	Pass
4	4876.600	58.64	-2.68	74.0	15.36	Peak	300.00	150	Vertical	Pass
4**	4876.600	53.11	-2.68	54.0	0.89	AV	300.00	150	Vertical	Pass
5	9748.500	51.67	-0.46	74.0	22.33	Peak	72.00	150	Vertical	Pass
5**	9748.500	49.70	-0.46	54.0	4.30	AV	72.00	150	Vertical	Pass
6	15828.076	56.17	1.55	74.0	17.83	Peak	230.00	300	Vertical	Pass
6**	15828.076	46.43	1.55	54.0	7.57	AV	230.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1065.600	47.66	-18.20	74.0	26.34	Peak	210.00	200	Horizontal	Pass
1**	1065.600	38.82	-18.20	54.0	15.18	AV	210.00	200	Horizontal	Pass
2	2463.400	94.29	-11.80	74.0	-20.29	Peak	314.00	100	Horizontal	N/A
2**	2463.400	87.28	-11.80	54.0	-33.28	AV	314.00	100	Horizontal	N/A
3	4924.000	55.36	-2.42	74.0	18.64	Peak	96.00	150	Horizontal	Pass
3**	4924.000	51.90	-2.42	54.0	2.10	AV	96.00	150	Horizontal	Pass
4	4925.000	60.10	-2.41	74.0	13.90	Peak	325.00	100	Horizontal	Pass
4**	4925.000	49.11	-2.41	54.0	4.89	AV	325.00	100	Horizontal	Pass
5	13323.300	56.40	0.92	74.0	17.60	Peak	136.00	150	Horizontal	Pass
5**	13323.300	47.50	0.92	54.0	6.50	AV	136.00	150	Horizontal	Pass
6	17362.125	55.99	2.27	74.0	18.01	Peak	228.00	150	Horizontal	Pass
6**	17362.125	46.35	2.27	54.0	7.65	AV	228.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1394.100	42.10	-17.00	74.0	31.90	Peak	82.00	200	Vertical	Pass
1**	1394.100	32.99	-17.00	54.0	21.01	AV	82.00	200	Vertical	Pass
2	2463.600	109.23	-11.81	74.0	-35.23	Peak	143.00	200	Vertical	N/A
2**	2463.600	101.56	-11.81	54.0	-47.56	AV	143.00	200	Vertical	N/A
3	4923.000	59.98	-2.44	74.0	14.02	Peak	21.00	150	Vertical	Pass
3**	4923.000	53.18	-2.44	54.0	0.82	AV	21.00	150	Vertical	Pass
4	4926.400	61.33	-2.39	74.0	12.67	Peak	32.00	150	Vertical	Pass
4**	4926.400	50.34	-2.39	54.0	3.66	AV	32.00	150	Vertical	Pass
5	9848.549	50.33	-0.69	74.0	23.67	Peak	11.00	150	Vertical	Pass
5**	9848.549	47.67	-0.69	54.0	6.33	AV	11.00	150	Vertical	Pass
6	15505.988	56.14	1.31	74.0	17.86	Peak	329.00	300	Vertical	Pass
6**	15505.988	46.01	1.31	54.0	7.99	AV	329.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.200	45.32	-18.22	74.0	28.68	Peak	233.00	200	Horizontal	Pass
1**	1066.200	41.91	-18.22	54.0	12.09	AV	233.00	200	Horizontal	Pass
2	2413.400	98.23	-10.75	74.0	-24.23	Peak	316.00	150	Horizontal	N/A
2**	2413.400	90.92	-10.75	54.0	-36.92	AV	316.00	150	Horizontal	N/A
3	4821.600	55.02	-2.16	74.0	18.98	Peak	110.00	150	Horizontal	Pass
3**	4821.600	51.56	-2.16	54.0	2.44	AV	110.00	150	Horizontal	Pass
4	4825.000	58.64	-2.29	74.0	15.36	Peak	121.00	150	Horizontal	Pass
4**	4825.000	49.12	-2.29	54.0	4.88	AV	121.00	150	Horizontal	Pass
5	13457.438	55.71	0.67	74.0	18.29	Peak	58.00	150	Horizontal	Pass
5**	13457.438	46.78	0.67	54.0	7.22	AV	58.00	150	Horizontal	Pass
6	15796.575	56.32	2.22	74.0	17.68	Peak	343.00	200	Horizontal	Pass
6**	15796.575	47.07	2.22	54.0	6.93	AV	343.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.900	43.84	-18.21	74.0	30.16	Peak	123.00	200	Vertical	Pass
1**	1065.900	37.45	-18.21	54.0	16.55	AV	123.00	200	Vertical	Pass
2	2414.400	109.05	-10.85	74.0	-35.05	Peak	248.00	100	Vertical	N/A
2**	2414.400	102.46	-10.85	54.0	-48.46	AV	248.00	100	Vertical	N/A
3	4820.600	59.90	-2.10	74.0	14.10	Peak	19.00	100	Vertical	Pass
3**	4820.600	48.67	-2.10	54.0	5.33	AV	19.00	100	Vertical	Pass
4	4821.000	54.30	-2.12	74.0	19.70	Peak	19.00	150	Vertical	Pass
4**	4821.000	52.03	-2.12	54.0	1.97	AV	19.00	150	Vertical	Pass
5	9648.162	52.62	-0.15	74.0	21.38	Peak	81.00	150	Vertical	Pass
5**	9648.162	49.41	-0.15	54.0	4.59	AV	81.00	150	Vertical	Pass
6	16104.225	56.48	1.01	74.0	17.52	Peak	264.00	200	Vertical	Pass
6**	16104.225	46.13	1.01	54.0	7.87	AV	264.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	49.01	-18.22	74.0	24.99	Peak	147.00	300	Horizontal	Pass
1**	1066.000	45.12	-18.22	54.0	8.88	AV	147.00	300	Horizontal	Pass
2	2435.800	96.97	-12.14	74.0	-22.97	Peak	316.00	200	Horizontal	N/A
2**	2435.800	89.53	-12.14	54.0	-35.53	AV	316.00	200	Horizontal	N/A
3	4870.800	54.52	-2.72	74.0	19.48	Peak	58.00	150	Horizontal	Pass
3**	4870.800	51.44	-2.72	54.0	2.56	AV	58.00	150	Horizontal	Pass
4	4878.000	58.52	-2.70	74.0	15.48	Peak	79.00	150	Horizontal	Pass
4**	4878.000	48.97	-2.70	54.0	5.03	AV	79.00	150	Horizontal	Pass
5	13317.787	55.79	0.90	74.0	18.21	Peak	0.00	150	Horizontal	Pass
5**	13317.787	46.88	0.90	54.0	7.12	AV	0.00	150	Horizontal	Pass
6	17191.238	56.31	0.30	74.0	17.69	Peak	18.00	200	Horizontal	Pass
6**	17191.238	45.54	0.30	54.0	8.46	AV	18.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.300	42.05	-16.79	74.0	31.95	Peak	16.00	200	Vertical	Pass
1**	1487.300	33.37	-16.79	54.0	20.63	AV	16.00	200	Vertical	Pass
2	2436.000	108.39	-12.14	74.0	-34.39	Peak	250.00	150	Vertical	N/A
2**	2436.000	101.14	-12.14	54.0	-47.14	AV	250.00	150	Vertical	N/A
3	4872.600	55.39	-2.66	74.0	18.61	Peak	17.00	150	Vertical	Pass
3**	4872.600	51.94	-2.66	54.0	1.99	AV	17.00	150	Vertical	Pass
4	4876.600	58.88	-2.68	74.0	15.12	Peak	17.00	150	Vertical	Pass
4**	4876.600	50.21	-2.68	54.0	3.79	AV	17.00	150	Vertical	Pass
5	9748.213	54.06	-0.46	74.0	19.94	Peak	31.00	150	Vertical	Pass
5**	9748.213	50.01	-0.46	54.0	3.99	AV	31.00	150	Vertical	Pass
6	13438.012	56.02	0.45	74.0	17.98	Peak	360.00	400	Vertical	Pass
6**	13438.012	47.03	0.45	54.0	6.97	AV	360.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.100	47.71	-18.22	74.0	26.29	Peak	163.00	300	Horizontal	Pass
1**	1066.100	39.88	-18.22	54.0	14.12	AV	163.00	300	Horizontal	Pass
2	2460.300	94.32	-12.01	74.0	-20.32	Peak	323.00	150	Horizontal	N/A
2**	2460.300	86.63	-12.01	54.0	-32.63	AV	323.00	150	Horizontal	N/A
3	4921.800	54.57	-2.47	74.0	19.43	Peak	121.00	150	Horizontal	Pass
3**	4921.800	51.47	-2.47	54.0	2.53	AV	121.00	150	Horizontal	Pass
4	4924.000	59.22	-2.42	74.0	14.78	Peak	309.00	100	Horizontal	Pass
4**	4924.000	49.74	-2.42	54.0	4.26	AV	309.00	100	Horizontal	Pass
5	13323.037	55.90	0.92	74.0	18.10	Peak	259.00	150	Horizontal	Pass
5**	13323.037	46.76	0.92	54.0	7.24	AV	259.00	150	Horizontal	Pass
6	15522.263	55.56	1.38	74.0	18.44	Peak	344.00	150	Horizontal	Pass
6**	15522.263	45.94	1.38	54.0	8.06	AV	344.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1331.300	42.60	-17.03	74.0	31.40	Peak	145.00	200	Vertical	Pass
1**	1331.300	32.96	-17.03	54.0	21.04	AV	145.00	200	Vertical	Pass
2	2461.100	108.77	-12.04	74.0	-34.77	Peak	280.00	100	Vertical	N/A
2**	2461.100	102.16	-12.04	54.0	-48.16	AV	280.00	100	Vertical	N/A
3	4920.800	58.45	-2.52	74.0	15.55	Peak	88.00	150	Vertical	Pass
3**	4920.800	53.03	-2.52	54.0	0.97	AV	88.00	150	Vertical	Pass
4	4921.800	59.94	-2.47	74.0	14.06	Peak	22.00	150	Vertical	Pass
4**	4921.800	50.73	-2.47	54.0	3.27	AV	22.00	150	Vertical	Pass
5	9848.263	51.64	-0.68	74.0	22.36	Peak	69.00	150	Vertical	Pass
5**	9848.263	47.77	-0.68	54.0	6.23	AV	69.00	150	Vertical	Pass
6	13315.951	56.05	0.89	74.0	17.95	Peak	266.00	150	Vertical	Pass
6**	13315.951	47.90	0.89	54.0	6.10	AV	266.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.400	47.25	-18.23	74.0	26.75	Peak	219.00	100	Horizontal	Pass
1**	1066.400	39.62	-18.23	54.0	14.38	AV	219.00	100	Horizontal	Pass
2	2420.300	97.15	-12.17	74.0	-23.15	Peak	316.00	100	Horizontal	N/A
2**	2420.300	89.53	-12.17	54.0	-35.53	AV	316.00	100	Horizontal	N/A
3	4844.400	56.04	-2.62	74.0	17.96	Peak	98.00	150	Horizontal	Pass
3**	4844.400	52.24	-2.62	54.0	1.76	AV	98.00	150	Horizontal	Pass
4	4849.800	57.95	-2.87	74.0	16.05	Peak	77.00	150	Horizontal	Pass
4**	4849.800	48.61	-2.87	54.0	5.39	AV	77.00	150	Horizontal	Pass
5	13331.963	55.68	0.96	74.0	18.32	Peak	70.00	150	Horizontal	Pass
5**	13331.963	46.79	0.96	54.0	7.21	AV	70.00	150	Horizontal	Pass
6	15250.312	56.02	0.76	74.0	17.98	Peak	303.00	200	Horizontal	Pass
6**	15250.312	45.96	0.76	54.0	8.04	AV	303.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1066.000	43.81	-18.22	74.0	30.19	Peak	0.00	300	Vertical	Pass
1**	1066.000	37.55	-18.22	54.0	16.45	AV	0.00	300	Vertical	Pass
2	2419.100	107.62	-11.99	74.0	-33.62	Peak	246.00	100	Vertical	N/A
2**	2419.100	99.31	-11.99	54.0	-45.31	AV	246.00	100	Vertical	N/A
3	4844.400	57.34	-2.62	74.0	16.66	Peak	15.00	150	Vertical	Pass
3**	4844.400	52.03	-2.62	54.0	1.97	AV	15.00	150	Vertical	Pass
4	4851.600	58.92	-3.39	74.0	15.08	Peak	90.00	150	Vertical	Pass
4**	4851.600	47.17	-3.39	54.0	6.83	AV	90.00	150	Vertical	Pass
5	9688.412	52.09	0.14	74.0	21.91	Peak	64.00	150	Vertical	Pass
5**	9688.412	49.86	0.14	54.0	4.14	AV	64.00	150	Vertical	Pass
6	15801.300	56.10	2.32	74.0	17.90	Peak	264.00	200	Vertical	Pass
6**	15801.300	46.47	2.32	54.0	7.53	AV	264.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	48.21	-18.22	74.0	25.79	Peak	154.00	100	Horizontal	Pass
1**	1066.200	40.80	-18.22	54.0	13.20	AV	154.00	100	Horizontal	Pass
2	2433.700	97.14	-12.25	74.0	-23.14	Peak	317.00	150	Horizontal	N/A
2**	2433.700	89.42	-12.25	54.0	-35.42	AV	317.00	150	Horizontal	N/A
3	4873.400	59.35	-2.65	74.0	14.65	Peak	85.00	100	Horizontal	Pass
3**	4873.400	50.36	-2.65	54.0	3.64	AV	85.00	100	Horizontal	Pass
4	4873.600	57.84	-2.66	74.0	16.16	Peak	85.00	150	Horizontal	Pass
4**	4873.600	52.48	-2.66	54.0	1.52	AV	85.00	150	Horizontal	Pass
5	10137.775	52.19	-0.01	74.0	21.81	Peak	302.00	150	Horizontal	Pass
5**	10137.775	43.09	-0.01	54.0	10.91	AV	302.00	150	Horizontal	Pass
6	15796.575	57.62	2.22	74.0	16.38	Peak	235.00	150	Horizontal	Pass
6**	15796.575	45.82	2.22	54.0	8.18	AV	235.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.400	42.94	-18.23	74.0	31.06	Peak	111.00	300	Vertical	Pass
1**	1066.400	35.56	-18.23	54.0	18.44	AV	111.00	300	Vertical	Pass
2	2434.300	107.83	-12.21	74.0	-33.83	Peak	247.00	150	Vertical	N/A
2**	2434.300	100.16	-12.21	54.0	-46.16	AV	247.00	150	Vertical	N/A
3	4873.800	58.96	-2.66	74.0	15.04	Peak	22.00	150	Vertical	Pass
3**	4873.800	52.93	-2.66	54.0	1.07	AV	22.00	150	Vertical	Pass
4	4874.200	58.44	-2.66	74.0	15.56	Peak	87.00	150	Vertical	Pass
4**	4874.200	53.70	-2.66	54.0	0.30	AV	87.00	150	Vertical	Pass
5	9748.213	53.53	-0.46	74.0	20.47	Peak	29.00	150	Vertical	Pass
5**	9748.213	50.19	-0.46	54.0	3.81	AV	29.00	150	Vertical	Pass
6	17454.524	56.29	2.84	74.0	17.71	Peak	109.00	400	Vertical	Pass
6**	17454.524	46.68	2.84	54.0	7.32	AV	109.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.600	43.55	-18.24	74.0	30.45	Peak	225.00	100	Horizontal	Pass
1**	1066.600	37.11	-18.24	54.0	16.89	AV	225.00	100	Horizontal	Pass
2	2450.000	95.11	-12.25	74.0	-21.11	Peak	317.00	100	Horizontal	N/A
2**	2450.000	86.93	-12.25	54.0	-32.93	AV	317.00	100	Horizontal	N/A
3	4900.200	57.02	-3.01	74.0	16.98	Peak	119.00	150	Horizontal	Pass
3**	4900.200	47.45	-3.01	54.0	6.55	AV	119.00	150	Horizontal	Pass
4	4906.800	54.30	-3.02	74.0	19.70	Peak	309.00	150	Horizontal	Pass
4**	4906.800	50.49	-3.02	54.0	3.51	AV	309.00	150	Horizontal	Pass
5	13422.525	55.43	0.40	74.0	18.57	Peak	252.00	150	Horizontal	Pass
5**	13422.525	46.84	0.40	54.0	7.16	AV	252.00	150	Horizontal	Pass
6	16191.638	56.22	1.58	74.0	17.78	Peak	233.00	300	Horizontal	Pass
6**	16191.638	46.29	1.58	54.0	7.71	AV	233.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1328.400	43.19	-17.10	74.0	30.81	Peak	150.00	300	Vertical	Pass
1**	1328.400	36.07	-17.10	54.0	17.93	AV	150.00	300	Vertical	Pass
2	2449.200	107.48	-12.25	74.0	-33.48	Peak	245.00	100	Vertical	N/A
2**	2449.200	100.02	-12.25	54.0	-46.02	AV	245.00	100	Vertical	N/A
3	4903.600	57.72	-2.95	74.0	16.28	Peak	15.00	150	Vertical	Pass
3**	4903.600	52.85	-2.95	54.0	1.15	AV	15.00	150	Vertical	Pass
4	4912.600	58.41	-2.83	74.0	15.59	Peak	15.00	150	Vertical	Pass
4**	4912.600	48.93	-2.83	54.0	5.07	AV	15.00	150	Vertical	Pass
5	9808.012	53.54	-0.05	74.0	20.46	Peak	64.00	150	Vertical	Pass
5**	9808.012	50.41	-0.05	54.0	3.59	AV	64.00	150	Vertical	Pass
6	15658.762	56.04	1.25	74.0	17.96	Peak	152.00	200	Vertical	Pass
6**	15658.762	46.28	1.25	54.0	7.72	AV	152.00	200	Vertical	Pass

SISO-Aux. Antenna

1 GHz to 18 GHz, ANT H 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	1066.500	45.73	-18.24	74.0	28.27	Peak	213.00	400	Horizontal	Pass
1**	1066.500	41.38	-18.24	54.0	12.62	AV	213.00	400	Horizontal	Pass
2	2412.100	92.66	-10.68	74.0	-18.66	Peak	11.00	100	Horizontal	N/A
2**	2412.100	88.20	-10.68	54.0	-34.20	AV	11.00	100	Horizontal	N/A
3	4823.800	54.69	-1.95	74.0	19.31	Peak	129.00	100	Horizontal	Pass
3**	4823.800	50.15	-1.95	54.0	3.85	AV	129.00	100	Horizontal	Pass
4	4824.000	54.64	-1.97	74.0	19.36	Peak	129.00	150	Horizontal	Pass
4**	4824.000	51.77	-1.97	54.0	2.23	AV	129.00	150	Horizontal	Pass
5	9648.162	49.62	-0.15	74.0	24.38	Peak	0.00	150	Horizontal	Pass
5**	9648.162	45.03	-0.15	54.0	8.97	AV	0.00	150	Horizontal	Pass
6	16185.075	56.86	1.53	74.0	17.14	Peak	14.00	100	Horizontal	Pass
6**	16185.075	45.93	1.53	54.0	8.07	AV	14.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.800	44.71	-18.21	74.0	29.29	Peak	80.00	200	Vertical	Pass
1**	1065.800	36.17	-18.21	54.0	17.83	AV	80.00	200	Vertical	Pass
2	2411.900	104.51	-10.67	74.0	-30.51	Peak	62.00	150	Vertical	N/A
2**	2411.900	100.48	-10.67	54.0	-46.48	AV	62.00	150	Vertical	N/A
3	4823.800	57.08	-1.95	74.0	16.92	Peak	90.00	200	Vertical	Pass
3**	4823.800	52.63	-1.95	54.0	1.37	AV	90.00	200	Vertical	Pass
4	4824.000	56.19	-1.97	74.0	17.81	Peak	78.00	150	Vertical	Pass
4**	4824.000	53.87	-1.97	54.0	0.13	AV	78.00	150	Vertical	Pass
5	9648.162	53.04	-0.15	74.0	20.96	Peak	70.00	150	Vertical	Pass
5**	9648.162	50.06	-0.15	54.0	3.94	AV	70.00	150	Vertical	Pass
6	13440.113	55.34	0.47	74.0	18.66	Peak	295.00	150	Vertical	Pass
6**	13440.113	46.53	0.47	54.0	7.47	AV	295.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	47.05	-18.22	74.0	26.95	Peak	29.00	400	Horizontal	Pass
1**	1066.000	36.94	-18.22	54.0	17.06	AV	29.00	400	Horizontal	Pass
2	2437.000	91.37	-12.13	74.0	-17.37	Peak	355.00	150	Horizontal	N/A
2**	2437.000	87.03	-12.13	54.0	-33.03	AV	355.00	150	Horizontal	N/A
3	4874.200	54.78	-2.66	74.0	19.22	Peak	132.00	150	Horizontal	Pass
3**	4874.200	50.35	-2.66	54.0	3.65	AV	132.00	150	Horizontal	Pass
4	6624.200	54.90	0.20	74.0	19.10	Peak	120.00	100	Horizontal	Pass
4**	6624.200	45.70	0.20	54.0	8.30	AV	120.00	100	Horizontal	Pass
5	13460.588	55.96	0.70	74.0	18.04	Peak	109.00	150	Horizontal	Pass
5**	13460.588	45.78	0.70	54.0	8.22	AV	109.00	150	Horizontal	Pass
6	17470.276	56.43	2.90	74.0	17.57	Peak	277.00	100	Horizontal	Pass
6**	17470.276	47.50	2.90	54.0	6.50	AV	277.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	42.86	-18.22	74.0	31.14	Peak	103.00	200	Vertical	Pass
1**	1066.200	37.67	-18.22	54.0	16.33	AV	103.00	200	Vertical	Pass
2	2436.900	104.45	-12.13	74.0	-30.45	Peak	344.00	200	Vertical	N/A
2**	2436.900	100.37	-12.13	54.0	-46.37	AV	344.00	200	Vertical	N/A
3	4873.600	56.22	-2.66	74.0	17.78	Peak	16.00	200	Vertical	Pass
3**	4873.600	49.71	-2.66	54.0	4.29	AV	16.00	200	Vertical	Pass
4	4874.000	55.83	-2.66	74.0	18.17	Peak	16.00	150	Vertical	Pass
4**	4874.000	53.39	-2.66	54.0	0.61	AV	16.00	150	Vertical	Pass
5	9748.213	55.01	-0.46	74.0	18.99	Peak	61.00	150	Vertical	Pass
5**	9748.213	50.12	-0.46	54.0	3.88	AV	61.00	150	Vertical	Pass
6	17465.551	56.51	2.89	74.0	17.49	Peak	308.00	400	Vertical	Pass
6**	17465.551	46.96	2.89	54.0	7.04	AV	308.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1065.900	48.24	-18.21	74.0	25.76	Peak	152.00	200	Horizontal	Pass
1**	1065.900	41.33	-18.21	54.0	12.67	AV	152.00	200	Horizontal	Pass
2	2460.500	88.26	-12.02	74.0	-14.26	Peak	357.00	200	Horizontal	N/A
2**	2460.500	85.28	-12.02	54.0	-31.28	AV	357.00	200	Horizontal	N/A
3	4923.800	53.61	-2.43	74.0	20.39	Peak	309.00	200	Horizontal	Pass
3**	4923.800	48.50	-2.43	54.0	5.50	AV	309.00	200	Horizontal	Pass
4	4924.200	52.28	-2.42	74.0	21.72	Peak	160.00	150	Horizontal	Pass
4**	4924.200	49.19	-2.42	54.0	4.81	AV	160.00	150	Horizontal	Pass
5	13413.075	56.52	0.45	74.0	17.48	Peak	267.00	150	Horizontal	Pass
5**	13413.075	46.48	0.45	54.0	7.52	AV	267.00	150	Horizontal	Pass
6	17433.786	56.66	3.31	74.0	17.34	Peak	285.00	200	Horizontal	Pass
6**	17433.786	47.22	3.31	54.0	6.78	AV	285.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.700	44.45	-18.20	74.0	29.55	Peak	86.00	200	Vertical	Pass
1**	1065.700	37.13	-18.20	54.0	16.87	AV	86.00	200	Vertical	Pass
2	2462.000	103.44	-11.93	74.0	-29.44	Peak	65.00	100	Vertical	N/A
2**	2462.000	98.87	-11.93	54.0	-44.87	AV	65.00	100	Vertical	N/A
3	4924.000	55.62	-2.42	74.0	18.38	Peak	16.00	150	Vertical	Pass
3**	4924.000	51.51	-2.42	54.0	2.49	AV	16.00	150	Vertical	Pass
4	4924.200	54.17	-2.42	74.0	19.83	Peak	16.00	150	Vertical	Pass
4**	4924.200	52.58	-2.42	54.0	1.42	AV	16.00	150	Vertical	Pass
5	9848.263	51.22	-0.68	74.0	22.78	Peak	30.00	150	Vertical	Pass
5**	9848.263	48.58	-0.68	54.0	5.42	AV	30.00	150	Vertical	Pass
6	13438.012	55.80	0.45	74.0	18.20	Peak	266.00	150	Vertical	Pass
6**	13438.012	46.80	0.45	54.0	7.20	AV	266.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.000	46.73	-18.22	74.0	27.27	Peak	223.00	100	Horizontal	Pass
1**	1066.000	38.50	-18.22	54.0	15.50	AV	223.00	100	Horizontal	Pass
2	2413.500	98.68	-10.75	74.0	-24.68	Peak	360.00	100	Horizontal	N/A
2**	2413.500	91.47	-10.75	54.0	-37.47	AV	360.00	100	Horizontal	N/A
3	4821.600	56.57	-2.16	74.0	17.43	Peak	160.00	200	Horizontal	Pass
3**	4821.600	46.14	-2.16	54.0	7.86	AV	160.00	200	Horizontal	Pass
4	4825.800	54.11	-2.54	74.0	19.89	Peak	113.00	150	Horizontal	Pass
4**	4825.800	49.94	-2.54	54.0	4.06	AV	113.00	150	Horizontal	Pass
5	7333.212	47.72	-3.14	74.0	26.28	Peak	199.00	150	Horizontal	Pass
5**	7333.212	43.19	-3.14	54.0	10.81	AV	199.00	150	Horizontal	Pass
6	13438.276	55.53	0.45	74.0	18.47	Peak	40.00	150	Horizontal	Pass
6**	13438.276	46.72	0.45	54.0	7.28	AV	40.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1066.000	43.61	-18.22	74.0	30.39	Peak	164.00	300	Vertical	Pass
1**	1066.000	35.92	-18.22	54.0	18.08	AV	164.00	300	Vertical	Pass
2	2413.400	110.32	-10.75	74.0	-36.32	Peak	67.00	200	Vertical	N/A
2**	2413.400	102.79	-10.75	54.0	-48.79	AV	67.00	200	Vertical	N/A
3	4821.200	60.57	-2.14	74.0	13.43	Peak	14.00	100	Vertical	Pass
3**	4821.200	49.95	-2.14	54.0	4.05	AV	14.00	100	Vertical	Pass
4	4821.400	56.62	-2.15	74.0	17.38	Peak	72.00	150	Vertical	Pass
4**	4821.400	52.55	-2.15	54.0	1.45	AV	72.00	150	Vertical	Pass
5	9648.451	52.40	-0.15	74.0	21.60	Peak	75.00	150	Vertical	Pass
5**	9648.451	49.49	-0.15	54.0	4.51	AV	75.00	150	Vertical	Pass
6	17451.112	56.04	2.83	74.0	17.96	Peak	0.00	400	Vertical	Pass
6**	17451.112	48.11	2.83	54.0	5.89	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.900	48.25	-18.21	74.0	25.75	Peak	24.00	100	Horizontal	Pass
1**	1065.900	39.39	-18.21	54.0	14.61	AV	24.00	100	Horizontal	Pass
2	2438.700	98.48	-12.27	74.0	-24.48	Peak	357.00	200	Horizontal	N/A
2**	2438.700	91.12	-12.27	54.0	-37.12	AV	357.00	200	Horizontal	N/A
3	4873.200	59.29	-2.65	74.0	14.71	Peak	304.00	150	Horizontal	Pass
3**	4873.200	48.79	-2.65	54.0	5.21	AV	304.00	150	Horizontal	Pass
4	4876.000	54.57	-2.67	74.0	19.43	Peak	152.00	150	Horizontal	Pass
4**	4876.000	50.24	-2.67	54.0	3.76	AV	152.00	150	Horizontal	Pass
5	13417.275	55.75	0.41	74.0	18.25	Peak	246.00	150	Horizontal	Pass
5**	13417.275	46.85	0.41	54.0	7.15	AV	246.00	150	Horizontal	Pass
6	17423.813	56.74	3.65	74.0	17.26	Peak	74.00	400	Horizontal	Pass
6**	17423.813	47.20	3.65	54.0	6.80	AV	74.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.800	43.00	-18.21	74.0	31.00	Peak	91.00	100	Vertical	Pass
1**	1065.800	35.36	-18.21	54.0	18.64	AV	91.00	100	Vertical	Pass
2	2438.700	109.29	-12.27	74.0	-35.29	Peak	352.00	100	Vertical	N/A
2**	2438.700	101.69	-12.27	54.0	-47.69	AV	352.00	100	Vertical	N/A
3	4873.600	62.00	-2.66	74.0	12.00	Peak	12.00	150	Vertical	Pass
3**	4873.600	50.83	-2.66	54.0	3.17	AV	12.00	150	Vertical	Pass
4	4873.800	56.34	-2.66	74.0	17.66	Peak	12.00	150	Vertical	Pass
4**	4873.800	53.26	-2.66	54.0	0.74	AV	12.00	150	Vertical	Pass
5	9748.213	52.97	-0.46	74.0	21.03	Peak	40.00	150	Vertical	Pass
5**	9748.213	50.45	-0.46	54.0	3.55	AV	40.00	150	Vertical	Pass
6	17466.864	56.40	2.90	74.0	17.60	Peak	360.00	300	Vertical	Pass
6**	17466.864	47.05	2.90	54.0	6.95	AV	360.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.500	46.12	-18.24	74.0	27.88	Peak	21.00	200	Horizontal	Pass
1**	1066.500	41.43	-18.24	54.0	12.57	AV	21.00	200	Horizontal	Pass
2	2459.200	95.52	-11.91	74.0	-21.52	Peak	353.00	150	Horizontal	N/A
2**	2459.200	87.51	-11.91	54.0	-33.51	AV	353.00	150	Horizontal	N/A
3	4923.600	56.31	-2.43	74.0	17.69	Peak	149.00	150	Horizontal	Pass
3**	4923.600	50.37	-2.43	54.0	3.63	AV	149.00	150	Horizontal	Pass
4	4925.800	58.82	-2.39	74.0	15.18	Peak	7.00	150	Horizontal	Pass
4**	4925.800	49.11	-2.39	54.0	4.89	AV	7.00	150	Horizontal	Pass
5	13330.650	55.87	0.94	74.0	18.13	Peak	122.00	150	Horizontal	Pass
5**	13330.650	46.72	0.94	54.0	7.28	AV	122.00	150	Horizontal	Pass
6	15518.588	56.38	1.39	74.0	17.62	Peak	342.00	300	Horizontal	Pass
6**	15518.588	46.06	1.39	54.0	7.94	AV	342.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.800	42.36	-18.21	74.0	31.64	Peak	11.00	300	Vertical	Pass
1**	1065.800	35.91	-18.21	54.0	18.09	AV	11.00	300	Vertical	Pass
2	2463.600	109.38	-11.81	74.0	-35.38	Peak	338.00	100	Vertical	N/A
2**	2463.600	101.35	-11.81	54.0	-47.35	AV	338.00	100	Vertical	N/A
3	4923.400	60.53	-2.44	74.0	13.47	Peak	89.00	150	Vertical	Pass
3**	4923.400	52.72	-2.44	54.0	1.28	AV	89.00	150	Vertical	Pass
4	4924.800	59.39	-2.41	74.0	14.61	Peak	20.00	150	Vertical	Pass
4**	4924.800	53.24	-2.41	54.0	0.76	AV	20.00	150	Vertical	Pass
5	9848.263	53.16	-0.68	74.0	20.84	Peak	57.00	150	Vertical	Pass
5**	9848.263	48.78	-0.68	54.0	5.22	AV	57.00	150	Vertical	Pass
6	16039.388	56.65	0.79	74.0	17.35	Peak	339.00	400	Vertical	Pass
6**	16039.388	46.82	0.79	54.0	7.18	AV	339.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.400	43.70	-18.23	74.0	30.30	Peak	147.00	300	Horizontal	Pass
1**	1066.400	38.87	-18.23	54.0	15.13	AV	147.00	300	Horizontal	Pass
2	2413.100	99.12	-10.73	74.0	-25.12	Peak	4.00	100	Horizontal	N/A
2**	2413.100	92.15	-10.73	54.0	-38.15	AV	4.00	100	Horizontal	N/A
3	4824.600	57.32	-2.16	74.0	16.68	Peak	131.00	150	Horizontal	Pass
3**	4824.600	48.53	-2.16	54.0	5.47	AV	131.00	150	Horizontal	Pass
4	4828.400	53.35	-2.58	74.0	20.65	Peak	119.00	150	Horizontal	Pass
4**	4828.400	50.38	-2.58	54.0	3.62	AV	119.00	150	Horizontal	Pass
5	9648.451	50.67	-0.15	74.0	23.33	Peak	328.00	150	Horizontal	Pass
5**	9648.451	45.04	-0.15	54.0	8.96	AV	328.00	150	Horizontal	Pass
6	16084.275	56.70	1.54	74.0	17.30	Peak	272.00	400	Horizontal	Pass
6**	16084.275	46.88	1.54	54.0	7.12	AV	272.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.600	43.04	-18.20	74.0	30.96	Peak	108.00	400	Vertical	Pass
1**	1065.600	36.55	-18.20	54.0	17.45	AV	108.00	400	Vertical	Pass
2	2413.500	109.61	-10.75	74.0	-35.61	Peak	65.00	100	Vertical	N/A
2**	2413.500	102.80	-10.75	54.0	-48.80	AV	65.00	100	Vertical	N/A
3	4820.400	55.98	-2.09	74.0	18.02	Peak	93.00	150	Vertical	Pass
3**	4820.400	53.26	-2.09	54.0	0.74	AV	93.00	150	Vertical	Pass
4	4826.600	59.10	-2.60	74.0	14.90	Peak	16.00	200	Vertical	Pass
4**	4826.600	50.47	-2.60	54.0	3.53	AV	16.00	200	Vertical	Pass
5	9648.162	52.24	-0.15	74.0	21.76	Peak	66.00	150	Vertical	Pass
5**	9648.162	49.36	-0.15	54.0	4.64	AV	66.00	150	Vertical	Pass
6	13329.599	56.29	0.93	74.0	17.71	Peak	140.00	300	Vertical	Pass
6**	13329.599	46.51	0.93	54.0	7.49	AV	140.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.500	43.59	-17.59	74.0	30.41	Peak	104.00	300	Vertical	Pass
1**	1163.500	32.12	-17.59	54.0	21.88	AV	104.00	300	Vertical	Pass
2	2436.300	108.27	-12.13	74.0	-34.27	Peak	85.00	200	Vertical	N/A
2**	2436.300	101.36	-12.13	54.0	-47.36	AV	85.00	200	Vertical	N/A
3	4870.600	54.12	-2.72	74.0	19.88	Peak	38.00	150	Vertical	Pass
3**	4870.600	53.20	-2.72	54.0	0.80	AV	38.00	150	Vertical	Pass
4	4871.400	59.40	-2.70	74.0	14.60	Peak	91.00	150	Vertical	Pass
4**	4871.400	48.65	-2.70	54.0	5.35	AV	91.00	150	Vertical	Pass
5	9748.213	54.26	-0.46	74.0	19.74	Peak	49.00	200	Vertical	Pass
5**	9748.213	50.26	-0.46	54.0	3.74	AV	49.00	200	Vertical	Pass
6	9748.213	54.26	-0.46	74.0	19.74	Peak	49.00	150	Vertical	Pass
6**	9748.213	50.26	-0.46	54.0	3.74	AV	49.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.100	46.73	-18.22	74.0	27.27	Peak	125.00	300	Horizontal	Pass
1**	1066.100	44.80	-18.22	54.0	9.20	AV	125.00	300	Horizontal	Pass
2	2435.700	96.76	-12.14	74.0	-22.76	Peak	0.00	100	Horizontal	N/A
2**	2435.700	89.69	-12.14	54.0	-35.69	AV	0.00	100	Horizontal	N/A
3	4874.600	56.74	-2.66	74.0	17.26	Peak	321.00	100	Horizontal	Pass
3**	4874.600	48.49	-2.66	54.0	5.51	AV	321.00	100	Horizontal	Pass
4	4876.400	53.10	-2.68	74.0	20.90	Peak	28.00	150	Horizontal	Pass
4**	4876.400	49.09	-2.68	54.0	4.91	AV	28.00	150	Horizontal	Pass
5	9748.500	50.29	-0.46	74.0	23.71	Peak	347.00	150	Horizontal	Pass
5**	9748.500	45.66	-0.46	54.0	8.34	AV	347.00	150	Horizontal	Pass
6	13330.650	55.88	0.94	74.0	18.12	Peak	71.00	150	Horizontal	Pass
6**	13330.650	46.38	0.94	54.0	7.62	AV	71.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT H 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	1066.000	47.47	-18.22	74.0	26.53	Peak	205.00	100	Horizontal	Pass
1**	1066.000	40.60	-18.22	54.0	13.40	AV	205.00	100	Horizontal	Pass
2	2463.100	95.58	-11.78	74.0	-21.58	Peak	346.00	150	Horizontal	N/A
2**	2463.100	88.44	-11.78	54.0	-34.44	AV	346.00	150	Horizontal	N/A
3	4924.000	54.84	-2.42	74.0	19.16	Peak	319.00	150	Horizontal	Pass
3**	4924.000	50.74	-2.42	54.0	3.26	AV	319.00	150	Horizontal	Pass
4	4927.400	57.03	-2.39	74.0	16.97	Peak	319.00	100	Horizontal	Pass
4**	4927.400	47.44	-2.39	54.0	6.56	AV	319.00	100	Horizontal	Pass
5	13404.151	55.13	0.55	74.0	18.87	Peak	112.00	150	Horizontal	Pass
5**	13404.151	46.38	0.55	54.0	7.62	AV	112.00	150	Horizontal	Pass
6	17422.238	55.82	3.70	74.0	18.18	Peak	15.00	300	Horizontal	Pass
6**	17422.238	47.88	3.70	54.0	6.12	AV	15.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1166.100	44.71	-17.62	74.0	29.29	Peak	107.00	100	Vertical	Pass
1**	1166.100	32.95	-17.62	54.0	21.05	AV	107.00	100	Vertical	Pass
2	2461.300	108.15	-12.02	74.0	-34.15	Peak	52.00	200	Vertical	N/A
2**	2461.300	101.33	-12.02	54.0	-47.33	AV	52.00	200	Vertical	N/A
3	4920.600	56.82	-2.54	74.0	17.18	Peak	18.00	150	Vertical	Pass
3**	4920.600	53.86	-2.54	54.0	0.14	AV	18.00	150	Vertical	Pass
4	4924.000	58.96	-2.42	74.0	15.04	Peak	29.00	150	Vertical	Pass
4**	4924.000	49.84	-2.42	54.0	4.16	AV	29.00	150	Vertical	Pass
5	9847.687	52.80	-0.68	74.0	21.20	Peak	53.00	150	Vertical	Pass
5**	9847.687	46.25	-0.68	54.0	7.75	AV	53.00	150	Vertical	Pass
6	9848.263	51.18	-0.68	74.0	22.82	Peak	53.00	150	Vertical	Pass
6**	9848.263	48.94	-0.68	54.0	5.06	AV	53.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.100	49.65	-18.22	74.0	24.35	Peak	156.00	300	Horizontal	Pass
1**	1066.100	44.08	-18.22	54.0	9.92	AV	156.00	300	Horizontal	Pass
2	2423.700	98.75	-12.59	74.0	-24.75	Peak	360.00	150	Horizontal	N/A
2**	2423.700	91.27	-12.59	54.0	-37.27	AV	360.00	150	Horizontal	N/A
3	4843.600	58.48	-2.70	74.0	15.52	Peak	171.00	200	Horizontal	Pass
3**	4843.600	49.37	-2.70	54.0	4.63	AV	171.00	200	Horizontal	Pass
4	4843.800	56.84	-2.68	74.0	17.16	Peak	171.00	150	Horizontal	Pass
4**	4843.800	52.04	-2.68	54.0	1.96	AV	171.00	150	Horizontal	Pass
5	6799.600	54.53	1.35	74.0	19.47	Peak	96.00	200	Horizontal	Pass
5**	6799.600	45.21	1.35	54.0	8.79	AV	96.00	200	Horizontal	Pass
6	12842.138	53.44	1.33	74.0	20.56	Peak	71.00	100	Horizontal	Pass
6**	12842.138	43.98	1.33	54.0	10.02	AV	71.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1162.400	45.30	-17.61	74.0	28.70	Peak	106.00	400	Vertical	Pass
1**	1162.400	31.44	-17.61	54.0	22.56	AV	106.00	400	Vertical	Pass
2	2419.300	108.04	-12.02	74.0	-34.04	Peak	112.00	200	Vertical	N/A
2**	2419.300	100.39	-12.02	54.0	-46.39	AV	112.00	200	Vertical	N/A
3	4843.800	59.67	-2.68	74.0	14.33	Peak	19.00	150	Vertical	Pass
3**	4843.800	53.36	-2.68	54.0	0.64	AV	19.00	150	Vertical	Pass
4	4847.600	60.30	-2.70	74.0	13.70	Peak	19.00	150	Vertical	Pass
4**	4847.600	51.57	-2.70	54.0	2.43	AV	19.00	150	Vertical	Pass
5	9688.125	53.50	0.14	74.0	20.50	Peak	52.00	300	Vertical	Pass
5**	9688.125	50.14	0.14	54.0	3.86	AV	52.00	300	Vertical	Pass
6	9688.412	53.06	0.14	74.0	20.94	Peak	52.00	150	Vertical	Pass
6**	9688.412	50.71	0.14	54.0	3.29	AV	52.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.500	47.72	-18.20	74.0	26.28	Peak	139.00	400	Horizontal	Pass
1**	1065.500	40.71	-18.20	54.0	13.29	AV	139.00	400	Horizontal	Pass
2	2434.800	98.06	-12.18	74.0	-24.06	Peak	358.00	100	Horizontal	N/A
2**	2434.800	91.04	-12.18	54.0	-37.04	AV	358.00	100	Horizontal	N/A
3	4876.600	57.67	-2.68	74.0	16.33	Peak	322.00	150	Horizontal	Pass
3**	4876.600	48.63	-2.68	54.0	5.37	AV	322.00	150	Horizontal	Pass
4	4876.800	55.16	-2.68	74.0	18.84	Peak	157.00	150	Horizontal	Pass
4**	4876.800	51.35	-2.68	54.0	2.65	AV	157.00	150	Horizontal	Pass
5	9748.213	50.54	-0.46	74.0	23.46	Peak	360.00	150	Horizontal	Pass
5**	9748.213	45.36	-0.46	54.0	8.64	AV	360.00	150	Horizontal	Pass
6	12913.013	53.39	1.32	74.0	20.61	Peak	334.00	400	Horizontal	Pass
6**	12913.013	43.64	1.32	54.0	10.36	AV	334.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.400	43.85	-16.94	74.0	30.15	Peak	323.00	200	Vertical	Pass
1**	1483.400	32.79	-16.94	54.0	21.21	AV	323.00	200	Vertical	Pass
2	2434.100	108.41	-12.23	74.0	-34.41	Peak	76.00	150	Vertical	N/A
2**	2434.100	100.12	-12.23	54.0	-46.12	AV	76.00	150	Vertical	N/A
3	4874.400	60.61	-2.66	74.0	13.39	Peak	32.00	150	Vertical	Pass
3**	4874.400	53.17	-2.66	54.0	0.83	AV	32.00	150	Vertical	Pass
4	4876.800	57.66	-2.68	74.0	16.34	Peak	20.00	150	Vertical	Pass
4**	4876.800	53.36	-2.68	54.0	0.64	AV	20.00	150	Vertical	Pass
5	9748.213	55.15	-0.46	74.0	18.85	Peak	48.00	400	Vertical	Pass
5**	9748.213	50.54	-0.46	54.0	3.46	AV	48.00	400	Vertical	Pass
6	9748.500	52.54	-0.46	74.0	21.46	Peak	48.00	150	Vertical	Pass
6**	9748.500	51.03	-0.46	54.0	2.97	AV	48.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1065.400	48.46	-18.19	74.0	25.54	Peak	157.00	100	Horizontal	Pass
1**	1065.400	37.73	-18.19	54.0	16.27	AV	157.00	100	Horizontal	Pass
2	2453.700	96.35	-12.16	74.0	-22.35	Peak	347.00	200	Horizontal	N/A
2**	2453.700	89.36	-12.16	54.0	-35.36	AV	347.00	200	Horizontal	N/A
3	4906.800	54.48	-3.02	74.0	19.52	Peak	173.00	150	Horizontal	Pass
3**	4906.800	49.85	-3.02	54.0	4.15	AV	173.00	150	Horizontal	Pass
4	4909.000	57.51	-2.75	74.0	16.49	Peak	316.00	150	Horizontal	Pass
4**	4909.000	48.32	-2.75	54.0	5.68	AV	316.00	150	Horizontal	Pass
5	9808.300	49.85	-0.05	74.0	24.15	Peak	2.00	150	Horizontal	Pass
5**	9808.300	45.32	-0.05	54.0	8.68	AV	2.00	150	Horizontal	Pass
6	13424.362	56.21	0.40	74.0	17.79	Peak	137.00	150	Horizontal	Pass
6**	13424.362	47.20	0.40	54.0	6.80	AV	137.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1479.500	42.98	-17.18	74.0	31.02	Peak	77.00	100	Vertical	Pass
1**	1479.500	32.24	-17.18	54.0	21.76	AV	77.00	100	Vertical	Pass
2	2449.300	107.93	-12.25	74.0	-33.93	Peak	46.00	200	Vertical	N/A
2**	2449.300	100.06	-12.25	54.0	-46.06	AV	46.00	200	Vertical	N/A
3	4900.000	59.95	-3.01	74.0	14.05	Peak	30.00	150	Vertical	Pass
3**	4900.000	51.11	-3.01	54.0	2.89	AV	30.00	150	Vertical	Pass
4	4905.800	57.76	-3.06	74.0	16.24	Peak	19.00	150	Vertical	Pass
4**	4905.800	53.05	-3.06	54.0	0.95	AV	19.00	150	Vertical	Pass
5	9808.012	54.11	-0.05	74.0	19.89	Peak	54.00	150	Vertical	Pass
5**	9808.012	50.96	-0.05	54.0	3.04	AV	54.00	150	Vertical	Pass
6	17423.286	56.25	3.67	74.0	17.75	Peak	358.00	300	Vertical	Pass
6**	17423.286	46.79	3.67	54.0	7.21	AV	358.00	300	Vertical	Pass

MIMO**1 GHz to 18 GHz, ANT H 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	1065.700	45.69	-18.20	74.0	28.31	Peak	150.00	100	Horizontal	Pass
1**	1065.700	41.79	-18.20	54.0	12.21	AV	150.00	100	Horizontal	Pass
2	2412.000	93.00	-10.68	74.0	-19.00	Peak	351.00	150	Horizontal	N/A
2**	2412.000	87.73	-10.68	54.0	-33.73	AV	351.00	150	Horizontal	N/A
3	4824.000	55.24	-1.97	74.0	18.76	Peak	95.00	100	Horizontal	Pass
3**	4824.000	51.73	-1.97	54.0	2.27	AV	95.00	100	Horizontal	Pass
4	4824.200	54.34	-2.04	74.0	19.66	Peak	95.00	150	Horizontal	Pass
4**	4824.200	52.54	-2.04	54.0	1.46	AV	95.00	150	Horizontal	Pass
5	12904.350	53.67	1.44	74.0	20.33	Peak	337.00	400	Horizontal	Pass
5**	12904.350	45.08	1.44	54.0	8.92	AV	337.00	400	Horizontal	Pass
6	17410.163	56.05	3.45	74.0	17.95	Peak	337.00	300	Horizontal	Pass
6**	17410.163	47.05	3.45	54.0	6.95	AV	337.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1066.100	45.47	-18.22	74.0	28.53	Peak	125.00	200	Vertical	Pass
1**	1066.100	39.84	-18.22	54.0	14.16	AV	125.00	200	Vertical	Pass
2	2414.300	106.35	-10.81	74.0	-32.35	Peak	337.00	150	Vertical	N/A
2**	2414.300	103.70	-10.81	54.0	-49.70	AV	337.00	150	Vertical	N/A
3	4823.800	55.91	-1.95	74.0	18.09	Peak	29.00	200	Vertical	Pass
3**	4823.800	51.79	-1.95	54.0	2.21	AV	29.00	200	Vertical	Pass
4	4824.200	55.72	-2.04	74.0	18.28	Peak	29.00	150	Vertical	Pass
4**	4824.200	53.39	-2.04	54.0	0.61	AV	29.00	150	Vertical	Pass
5	9648.162	51.76	-0.15	74.0	22.24	Peak	45.00	150	Vertical	Pass
5**	9648.162	48.67	-0.15	54.0	5.33	AV	45.00	150	Vertical	Pass
6	12797.250	54.23	1.13	74.0	19.77	Peak	360.00	300	Vertical	Pass
6**	12797.250	44.85	1.13	54.0	9.15	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.000	46.46	-18.22	74.0	27.54	Peak	15.00	300	Horizontal	Pass
1**	1066.000	42.92	-18.22	54.0	11.08	AV	15.00	300	Horizontal	Pass
2	2436.900	91.45	-12.13	74.0	-17.45	Peak	184.00	200	Horizontal	N/A
2**	2436.900	85.82	-12.13	54.0	-31.82	AV	184.00	200	Horizontal	N/A
3	4874.000	54.64	-2.66	74.0	19.36	Peak	94.00	100	Horizontal	Pass
3**	4874.000	51.46	-2.66	54.0	2.54	AV	94.00	100	Horizontal	Pass
4	4874.200	54.55	-2.66	74.0	19.45	Peak	129.00	150	Horizontal	Pass
4**	4874.200	51.78	-2.66	54.0	2.22	AV	129.00	150	Horizontal	Pass
5	13345.613	56.26	1.03	74.0	17.74	Peak	176.00	150	Horizontal	Pass
5**	13345.613	46.44	1.03	54.0	7.56	AV	176.00	150	Horizontal	Pass
6	15844.612	56.49	1.37	74.0	17.51	Peak	35.00	400	Horizontal	Pass
6**	15844.612	46.40	1.37	54.0	7.60	AV	35.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.400	44.08	-17.59	74.0	29.92	Peak	101.00	300	Vertical	Pass
1**	1163.400	32.61	-17.59	54.0	21.39	AV	101.00	300	Vertical	Pass
2	2435.500	106.32	-12.14	74.0	-32.32	Peak	340.00	100	Vertical	N/A
2**	2435.500	103.47	-12.14	54.0	-49.47	AV	340.00	100	Vertical	N/A
3	4874.000	56.19	-2.66	74.0	17.81	Peak	29.00	150	Vertical	Pass
3**	4874.000	53.53	-2.66	54.0	0.47	AV	29.00	150	Vertical	Pass
4	4874.200	55.32	-2.66	74.0	18.68	Peak	29.00	150	Vertical	Pass
4**	4874.200	53.87	-2.66	54.0	0.13	AV	29.00	150	Vertical	Pass
5	9748.213	52.82	-0.46	74.0	21.18	Peak	52.00	150	Vertical	Pass
5**	9748.213	49.21	-0.46	54.0	4.79	AV	52.00	150	Vertical	Pass
6	13312.012	56.89	0.87	74.0	17.11	Peak	73.00	200	Vertical	Pass
6**	13312.012	46.91	0.87	54.0	7.09	AV	73.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.400	46.47	-18.23	74.0	27.53	Peak	162.00	400	Horizontal	Pass
1**	1066.400	40.07	-18.23	54.0	13.93	AV	162.00	400	Horizontal	Pass
2	2461.900	89.32	-11.94	74.0	-15.32	Peak	346.00	150	Horizontal	N/A
2**	2461.900	84.20	-11.94	54.0	-30.20	AV	346.00	150	Horizontal	N/A
3	4924.000	54.93	-2.42	74.0	19.07	Peak	326.00	200	Horizontal	Pass
3**	4924.000	51.81	-2.42	54.0	2.19	AV	326.00	200	Horizontal	Pass
4	4924.200	54.55	-2.42	74.0	19.45	Peak	316.00	150	Horizontal	Pass
4**	4924.200	52.61	-2.42	54.0	1.39	AV	316.00	150	Horizontal	Pass
5	13438.800	55.80	0.46	74.0	18.20	Peak	222.00	150	Horizontal	Pass
5**	13438.800	46.79	0.46	54.0	7.21	AV	222.00	150	Horizontal	Pass
6	17394.938	56.51	3.00	74.0	17.49	Peak	300.00	150	Horizontal	Pass
6**	17394.938	47.16	3.00	54.0	6.84	AV	300.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1065.900	44.82	-18.21	74.0	29.18	Peak	141.00	400	Vertical	Pass
1**	1065.900	39.32	-18.21	54.0	14.68	AV	141.00	400	Vertical	Pass
2	2460.300	105.86	-12.01	74.0	-31.86	Peak	342.00	100	Vertical	N/A
2**	2460.300	103.03	-12.01	54.0	-49.03	AV	342.00	100	Vertical	N/A
3	4924.200	56.66	-2.42	74.0	17.34	Peak	31.00	150	Vertical	Pass
3**	4924.200	53.86	-2.42	54.0	0.14	AV	31.00	150	Vertical	Pass
4	6985.600	54.20	1.54	74.0	19.80	Peak	360.00	150	Vertical	Pass
4**	6985.600	44.62	1.54	54.0	9.38	AV	360.00	150	Vertical	Pass
5	9848.263	52.24	-0.68	74.0	21.76	Peak	53.00	150	Vertical	Pass
5**	9848.263	48.23	-0.68	54.0	5.77	AV	53.00	150	Vertical	Pass
6	12840.563	53.84	1.33	74.0	20.16	Peak	14.00	100	Vertical	Pass
6**	12840.563	44.76	1.33	54.0	9.24	AV	14.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.000	47.78	-18.22	74.0	26.22	Peak	23.00	400	Horizontal	Pass
1**	1066.000	40.18	-18.22	54.0	13.82	AV	23.00	400	Horizontal	Pass
2	2413.700	99.13	-10.76	74.0	-25.13	Peak	350.00	150	Horizontal	N/A
2**	2413.700	92.02	-10.76	54.0	-38.02	AV	350.00	150	Horizontal	N/A
3	4823.200	59.72	-2.01	74.0	14.28	Peak	120.00	150	Horizontal	Pass
3**	4823.200	48.52	-2.01	54.0	5.48	AV	120.00	150	Horizontal	Pass
4	4823.400	56.62	-1.99	74.0	17.38	Peak	65.00	150	Horizontal	Pass
4**	4823.400	52.03	-1.99	54.0	1.97	AV	65.00	150	Horizontal	Pass
5	13321.987	55.59	0.91	74.0	18.41	Peak	94.00	150	Horizontal	Pass
5**	13321.987	47.76	0.91	54.0	6.24	AV	94.00	150	Horizontal	Pass
6	15515.175	56.26	1.40	74.0	17.74	Peak	217.00	300	Horizontal	Pass
6**	15515.175	47.16	1.40	54.0	6.84	AV	217.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1580.900	42.41	-17.16	74.0	31.59	Peak	31.00	100	Vertical	Pass
1**	1580.900	33.12	-17.16	54.0	20.88	AV	31.00	100	Vertical	Pass
2	2410.400	111.54	-10.53	74.0	-37.54	Peak	340.00	200	Vertical	N/A
2**	2410.400	103.93	-10.53	54.0	-49.93	AV	340.00	200	Vertical	N/A
3	4823.600	61.78	-1.97	74.0	12.22	Peak	29.00	100	Vertical	Pass
3**	4823.600	51.36	-1.97	54.0	2.64	AV	29.00	100	Vertical	Pass
4	4823.800	59.19	-1.95	74.0	14.81	Peak	18.00	150	Vertical	Pass
4**	4823.800	53.83	-1.95	54.0	0.17	AV	18.00	150	Vertical	Pass
5	9648.451	51.12	-0.15	74.0	22.88	Peak	3.00	150	Vertical	Pass
5**	9648.451	49.30	-0.15	54.0	4.70	AV	3.00	150	Vertical	Pass
6	17426.698	57.17	3.56	74.0	16.83	Peak	0.00	300	Vertical	Pass
6**	17426.698	47.38	3.56	54.0	6.62	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	48.56	-18.22	74.0	25.44	Peak	159.00	100	Horizontal	Pass
1**	1066.200	41.73	-18.22	54.0	12.27	AV	159.00	100	Horizontal	Pass
2	2438.800	96.90	-12.28	74.0	-22.90	Peak	352.00	150	Horizontal	N/A
2**	2438.800	89.05	-12.28	54.0	-35.05	AV	352.00	150	Horizontal	N/A
3	4868.600	56.27	-2.46	74.0	17.73	Peak	128.00	150	Horizontal	Pass
3**	4868.600	51.95	-2.46	54.0	2.05	AV	128.00	150	Horizontal	Pass
4	4873.200	59.31	-2.65	74.0	14.69	Peak	321.00	100	Horizontal	Pass
4**	4873.200	49.16	-2.65	54.0	4.84	AV	321.00	100	Horizontal	Pass
5	13407.037	54.99	0.53	74.0	19.01	Peak	360.00	150	Horizontal	Pass
5**	13407.037	47.08	0.53	54.0	6.92	AV	360.00	150	Horizontal	Pass
6	17426.438	56.49	3.57	74.0	17.51	Peak	157.00	400	Horizontal	Pass
6**	17426.438	47.12	3.57	54.0	6.88	AV	157.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.000	43.18	-17.58	74.0	30.82	Peak	118.00	200	Vertical	Pass
1**	1165.000	32.41	-17.58	54.0	21.59	AV	118.00	200	Vertical	Pass
2	2436.200	110.01	-12.13	74.0	-36.01	Peak	331.00	100	Vertical	N/A
2**	2436.200	103.53	-12.13	54.0	-49.53	AV	331.00	100	Vertical	N/A
3	4873.000	59.94	-2.65	74.0	14.06	Peak	42.00	100	Vertical	Pass
3**	4873.000	49.96	-2.65	54.0	4.04	AV	42.00	100	Vertical	Pass
4	4879.400	56.90	-2.71	74.0	17.10	Peak	360.00	150	Vertical	Pass
4**	4879.400	52.08	-2.71	54.0	1.92	AV	360.00	150	Vertical	Pass
5	9748.213	52.79	-0.46	74.0	21.21	Peak	0.00	150	Vertical	Pass
5**	9748.213	49.99	-0.46	54.0	4.01	AV	0.00	150	Vertical	Pass
6	13416.487	56.46	0.41	74.0	17.54	Peak	121.00	200	Vertical	Pass
6**	13416.487	47.38	0.41	54.0	6.62	AV	121.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.200	46.42	-18.22	74.0	27.58	Peak	129.00	200	Horizontal	Pass
1**	1066.200	40.22	-18.22	54.0	13.78	AV	129.00	200	Horizontal	Pass
2	2461.900	96.13	-11.94	74.0	-22.13	Peak	344.00	150	Horizontal	N/A
2**	2461.900	88.37	-11.94	54.0	-34.37	AV	344.00	150	Horizontal	N/A
3	4923.400	59.48	-2.44	74.0	14.52	Peak	316.00	200	Horizontal	Pass
3**	4923.400	50.57	-2.44	54.0	3.43	AV	316.00	200	Horizontal	Pass
4	4923.600	57.38	-2.43	74.0	16.62	Peak	168.00	150	Horizontal	Pass
4**	4923.600	52.06	-2.43	54.0	1.94	AV	168.00	150	Horizontal	Pass
5	13417.800	56.11	0.41	74.0	17.89	Peak	97.00	150	Horizontal	Pass
5**	13417.800	46.45	0.41	54.0	7.55	AV	97.00	150	Horizontal	Pass
6	17412.262	56.31	3.53	74.0	17.69	Peak	57.00	400	Horizontal	Pass
6**	17412.262	47.49	3.53	54.0	6.51	AV	57.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1163.900	43.68	-17.58	74.0	30.32	Peak	102.00	100	Vertical	Pass
1**	1163.900	32.78	-17.58	54.0	21.22	AV	102.00	100	Vertical	Pass
2	2463.200	110.67	-11.79	74.0	-36.67	Peak	341.00	200	Vertical	N/A
2**	2463.200	104.66	-11.79	54.0	-50.66	AV	341.00	200	Vertical	N/A
3	4923.400	63.18	-2.44	74.0	10.82	Peak	35.00	150	Vertical	Pass
3**	4923.400	51.82	-2.44	54.0	2.18	AV	35.00	150	Vertical	Pass
4	4929.400	56.88	-2.48	74.0	17.12	Peak	9.00	150	Vertical	Pass
4**	4929.400	53.82	-2.48	54.0	0.18	AV	9.00	150	Vertical	Pass
5	9848.263	51.22	-0.68	74.0	22.78	Peak	306.00	150	Vertical	Pass
5**	9848.263	48.26	-0.68	54.0	5.74	AV	306.00	150	Vertical	Pass
6	15789.225	55.87	1.98	74.0	18.13	Peak	354.00	150	Vertical	Pass
6**	15789.225	46.77	1.98	54.0	7.23	AV	354.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1065.900	51.84	-18.21	74.0	22.16	Peak	144.00	400	Horizontal	Pass
1**	1065.900	47.40	-18.21	54.0	6.60	AV	144.00	400	Horizontal	Pass
2	2413.000	99.31	-10.73	74.0	-25.31	Peak	177.00	200	Horizontal	N/A
2**	2413.000	92.32	-10.73	54.0	-38.32	AV	177.00	200	Horizontal	N/A
3	4820.800	56.23	-2.11	74.0	17.77	Peak	169.00	150	Horizontal	Pass
3**	4820.800	53.38	-2.11	54.0	0.62	AV	169.00	150	Horizontal	Pass
4	4825.000	59.76	-2.29	74.0	14.24	Peak	90.00	150	Horizontal	Pass
4**	4825.000	49.82	-2.29	54.0	4.18	AV	90.00	150	Horizontal	Pass
5	13378.688	55.80	0.66	74.0	18.20	Peak	138.00	150	Horizontal	Pass
5**	13378.688	46.67	0.66	54.0	7.33	AV	138.00	150	Horizontal	Pass
6	17417.251	56.73	3.69	74.0	17.27	Peak	161.00	100	Horizontal	Pass
6**	17417.251	47.83	3.69	54.0	6.17	AV	161.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1163.900	43.46	-17.58	74.0	30.54	Peak	127.00	100	Vertical	Pass
1**	1163.900	35.65	-17.58	54.0	18.35	AV	127.00	100	Vertical	Pass
2	2411.300	110.29	-10.61	74.0	-36.29	Peak	267.00	100	Vertical	N/A
2**	2411.300	103.81	-10.61	54.0	-49.81	AV	267.00	100	Vertical	N/A
3	4824.200	59.42	-2.04	74.0	14.58	Peak	30.00	150	Vertical	Pass
3**	4824.200	53.87	-2.04	54.0	0.13	AV	30.00	150	Vertical	Pass
4	4825.200	60.38	-2.35	74.0	13.62	Peak	19.00	200	Vertical	Pass
4**	4825.200	51.86	-2.35	54.0	2.14	AV	19.00	200	Vertical	Pass
5	9648.162	51.96	-0.15	74.0	22.04	Peak	51.00	150	Vertical	Pass
5**	9648.162	48.88	-0.15	54.0	5.12	AV	51.00	150	Vertical	Pass
6	15840.151	56.22	1.44	74.0	17.78	Peak	78.00	200	Vertical	Pass
6**	15840.151	46.43	1.44	54.0	7.57	AV	78.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.400	48.57	-18.23	74.0	25.43	Peak	142.00	400	Horizontal	Pass
1**	1066.400	44.51	-18.23	54.0	9.49	AV	142.00	400	Horizontal	Pass
2	2436.000	97.78	-12.14	74.0	-23.78	Peak	179.00	150	Horizontal	N/A
2**	2436.000	90.35	-12.14	54.0	-36.35	AV	179.00	150	Horizontal	N/A
3	4870.600	56.54	-2.72	74.0	17.46	Peak	91.00	150	Horizontal	Pass
3**	4870.600	52.90	-2.72	54.0	1.10	AV	91.00	150	Horizontal	Pass
4	4875.400	59.02	-2.67	74.0	14.98	Peak	316.00	150	Horizontal	Pass
4**	4875.400	49.72	-2.67	54.0	4.28	AV	316.00	150	Horizontal	Pass
5	13336.950	55.88	1.03	74.0	18.12	Peak	275.00	400	Horizontal	Pass
5**	13336.950	46.59	1.03	54.0	7.41	AV	275.00	400	Horizontal	Pass
6	15509.662	55.56	1.43	74.0	18.44	Peak	209.00	150	Horizontal	Pass
6**	15509.662	46.30	1.43	54.0	7.70	AV	209.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.300	42.85	-16.85	74.0	31.15	Peak	112.00	300	Vertical	Pass
1**	1496.300	33.57	-16.85	54.0	20.43	AV	112.00	300	Vertical	Pass
2	2438.700	109.35	-12.27	74.0	-35.35	Peak	360.00	150	Vertical	N/A
2**	2438.700	102.36	-12.27	54.0	-48.36	AV	360.00	150	Vertical	N/A
3	4873.800	61.31	-2.66	74.0	12.69	Peak	29.00	400	Vertical	Pass
3**	4873.800	52.79	-2.66	54.0	1.21	AV	29.00	400	Vertical	Pass
4	4875.800	58.25	-2.67	74.0	15.75	Peak	18.00	150	Vertical	Pass
4**	4875.800	53.74	-2.67	54.0	0.26	AV	18.00	150	Vertical	Pass
5	9748.213	52.67	-0.46	74.0	21.33	Peak	1.00	400	Vertical	Pass
5**	9748.213	50.20	-0.46	54.0	3.80	AV	1.00	400	Vertical	Pass
6	17435.099	56.36	3.26	74.0	17.64	Peak	287.00	300	Vertical	Pass
6**	17435.099	47.48	3.26	54.0	6.52	AV	287.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.100	51.75	-18.22	74.0	22.25	Peak	147.00	300	Horizontal	Pass
1**	1066.100	45.27	-18.22	54.0	8.73	AV	147.00	300	Horizontal	Pass
2	2460.400	95.10	-12.01	74.0	-21.10	Peak	177.00	150	Horizontal	N/A
2**	2460.400	86.98	-12.01	54.0	-32.98	AV	177.00	150	Horizontal	N/A
3	4921.800	60.71	-2.47	74.0	13.29	Peak	326.00	150	Horizontal	Pass
3**	4921.800	47.92	-2.47	54.0	6.08	AV	326.00	150	Horizontal	Pass
4	4923.200	57.05	-2.44	74.0	16.95	Peak	315.00	150	Horizontal	Pass
4**	4923.200	52.12	-2.44	54.0	1.88	AV	315.00	150	Horizontal	Pass
5	9891.100	51.64	-0.98	74.0	22.36	Peak	51.00	150	Horizontal	Pass
5**	9891.100	42.23	-0.98	54.0	11.77	AV	51.00	150	Horizontal	Pass
6	13412.550	56.91	0.46	74.0	17.09	Peak	20.00	400	Horizontal	Pass
6**	13412.550	46.81	0.46	54.0	7.19	AV	20.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1166.300	44.04	-17.63	74.0	29.96	Peak	103.00	400	Vertical	Pass
1**	1166.300	35.51	-17.63	54.0	18.49	AV	103.00	400	Vertical	Pass
2	2460.900	109.41	-12.06	74.0	-35.41	Peak	268.00	200	Vertical	N/A
2**	2460.900	103.42	-12.06	54.0	-49.42	AV	268.00	200	Vertical	N/A
3	4925.000	62.16	-2.41	74.0	11.84	Peak	20.00	150	Vertical	Pass
3**	4925.000	52.55	-2.41	54.0	1.45	AV	20.00	150	Vertical	Pass
4	4927.400	58.06	-2.39	74.0	15.94	Peak	0.00	150	Vertical	Pass
4**	4927.400	53.89	-2.39	54.0	0.11	AV	0.00	150	Vertical	Pass
5	9848.263	51.02	-0.68	74.0	22.98	Peak	348.00	150	Vertical	Pass
5**	9848.263	48.76	-0.68	54.0	5.24	AV	348.00	150	Vertical	Pass
6	13408.612	56.09	0.52	74.0	17.91	Peak	35.00	200	Vertical	Pass
6**	13408.612	46.77	0.52	54.0	7.23	AV	35.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1066.400	49.74	-18.23	74.0	24.26	Peak	153.00	100	Horizontal	Pass
1**	1066.400	44.27	-18.23	54.0	9.73	AV	153.00	100	Horizontal	Pass
2	2423.500	97.48	-12.59	74.0	-23.48	Peak	352.00	150	Horizontal	N/A
2**	2423.500	90.49	-12.59	54.0	-36.49	AV	352.00	150	Horizontal	N/A
3	4844.200	57.88	-2.64	74.0	16.12	Peak	95.00	150	Horizontal	Pass
3**	4844.200	50.27	-2.64	54.0	3.73	AV	95.00	150	Horizontal	Pass
4	4844.400	55.54	-2.62	74.0	18.46	Peak	127.00	150	Horizontal	Pass
4**	4844.400	52.20	-2.62	54.0	1.80	AV	127.00	150	Horizontal	Pass
5	13437.487	55.55	0.44	74.0	18.45	Peak	187.00	150	Horizontal	Pass
5**	13437.487	47.90	0.44	54.0	6.10	AV	187.00	150	Horizontal	Pass
6	16196.625	55.94	1.59	74.0	18.06	Peak	130.00	300	Horizontal	Pass
6**	16196.625	46.37	1.59	54.0	7.63	AV	130.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1163.700	43.74	-17.58	74.0	30.26	Peak	138.00	400	Vertical	Pass
1**	1163.700	32.24	-17.58	54.0	21.76	AV	138.00	400	Vertical	Pass
2	2425.500	108.77	-12.59	74.0	-34.77	Peak	342.00	100	Vertical	N/A
2**	2425.500	101.06	-12.59	54.0	-47.06	AV	342.00	100	Vertical	N/A
3	4845.400	58.60	-2.57	74.0	15.40	Peak	25.00	150	Vertical	Pass
3**	4845.400	52.67	-2.57	54.0	1.33	AV	25.00	150	Vertical	Pass
4	4851.600	60.45	-3.39	74.0	13.55	Peak	25.00	150	Vertical	Pass
4**	4851.600	49.55	-3.39	54.0	4.45	AV	25.00	150	Vertical	Pass
5	9688.412	51.76	0.14	74.0	22.24	Peak	14.00	150	Vertical	Pass
5**	9688.412	49.47	0.14	54.0	4.53	AV	14.00	150	Vertical	Pass
6	17461.613	55.94	2.85	74.0	18.06	Peak	163.00	300	Vertical	Pass
6**	17461.613	47.33	2.85	54.0	6.67	AV	163.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.200	46.32	-18.22	74.0	27.68	Peak	147.00	100	Horizontal	Pass
1**	1066.200	42.33	-18.22	54.0	11.67	AV	147.00	100	Horizontal	Pass
2	2434.600	95.79	-12.19	74.0	-21.79	Peak	352.00	200	Horizontal	N/A
2**	2434.600	88.57	-12.19	54.0	-34.57	AV	352.00	200	Horizontal	N/A
3	4872.800	57.96	-2.65	74.0	16.04	Peak	93.00	100	Horizontal	Pass
3**	4872.800	49.30	-2.65	54.0	4.70	AV	93.00	100	Horizontal	Pass
4	4878.800	55.09	-2.72	74.0	18.91	Peak	317.00	150	Horizontal	Pass
4**	4878.800	50.68	-2.72	54.0	3.32	AV	317.00	150	Horizontal	Pass
5	11509.724	52.93	-0.22	74.0	21.07	Peak	360.00	150	Horizontal	Pass
5**	11509.724	44.05	-0.22	54.0	9.95	AV	360.00	150	Horizontal	Pass
6	13443.262	55.83	0.53	74.0	18.17	Peak	300.00	300	Horizontal	Pass
6**	13443.262	46.80	0.53	54.0	7.20	AV	300.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.800	43.59	-17.57	74.0	30.41	Peak	103.00	300	Vertical	Pass
1**	1164.800	31.99	-17.57	54.0	22.01	AV	103.00	300	Vertical	Pass
2	2434.200	108.33	-12.22	74.0	-34.33	Peak	358.00	150	Vertical	N/A
2**	2434.200	101.70	-12.22	54.0	-47.70	AV	358.00	150	Vertical	N/A
3	4874.400	56.31	-2.66	74.0	17.69	Peak	36.00	150	Vertical	Pass
3**	4874.400	52.43	-2.66	54.0	1.57	AV	36.00	150	Vertical	Pass
4	4880.000	60.55	-2.70	74.0	13.45	Peak	24.00	150	Vertical	Pass
4**	4880.000	50.57	-2.70	54.0	3.43	AV	24.00	150	Vertical	Pass
5	9747.925	52.99	-0.47	74.0	21.01	Peak	60.00	150	Vertical	Pass
5**	9747.925	48.55	-0.47	54.0	5.45	AV	60.00	150	Vertical	Pass
6	9748.213	52.96	-0.46	74.0	21.04	Peak	10.00	150	Vertical	Pass
6**	9748.213	49.74	-0.46	54.0	4.26	AV	10.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 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	1065.900	47.76	-18.21	74.0	26.24	Peak	15.00	200	Horizontal	Pass
1**	1065.900	45.27	-18.21	54.0	8.73	AV	15.00	200	Horizontal	Pass
2	2448.900	94.84	-12.25	74.0	-20.84	Peak	178.00	150	Horizontal	N/A
2**	2448.900	87.23	-12.25	54.0	-33.23	AV	178.00	150	Horizontal	N/A
3	4903.400	56.87	-2.92	74.0	17.13	Peak	328.00	150	Horizontal	Pass
3**	4903.400	50.80	-2.92	54.0	3.20	AV	328.00	150	Horizontal	Pass
4	4911.400	58.63	-2.91	74.0	15.37	Peak	317.00	100	Horizontal	Pass
4**	4911.400	49.49	-2.91	54.0	4.51	AV	317.00	100	Horizontal	Pass
5	9808.300	50.22	-0.05	74.0	23.78	Peak	293.00	150	Horizontal	Pass
5**	9808.300	45.29	-0.05	54.0	8.71	AV	293.00	150	Horizontal	Pass
6	13324.349	55.55	0.92	74.0	18.45	Peak	222.00	150	Horizontal	Pass
6**	13324.349	47.24	0.92	54.0	6.76	AV	222.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 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	1066.300	44.99	-18.23	74.0	29.01	Peak	48.00	400	Vertical	Pass
1**	1066.300	39.01	-18.23	54.0	14.99	AV	48.00	400	Vertical	Pass
2	2449.200	108.51	-12.25	74.0	-34.51	Peak	1.00	150	Vertical	N/A
2**	2449.200	101.21	-12.25	54.0	-47.21	AV	1.00	150	Vertical	N/A
3	4901.800	56.01	-2.85	74.0	17.99	Peak	19.00	150	Vertical	Pass
3**	4901.800	52.54	-2.85	54.0	1.46	AV	19.00	150	Vertical	Pass
4	4903.200	59.34	-2.89	74.0	14.66	Peak	28.00	150	Vertical	Pass
4**	4903.200	51.37	-2.89	54.0	2.63	AV	28.00	150	Vertical	Pass
5	9808.012	53.47	-0.05	74.0	20.53	Peak	52.00	150	Vertical	Pass
5**	9808.012	49.81	-0.05	54.0	4.19	AV	52.00	150	Vertical	Pass
6	9808.300	52.68	-0.05	74.0	21.32	Peak	52.00	150	Vertical	Pass
6**	9808.300	50.74	-0.05	54.0	3.26	AV	52.00	150	Vertical	Pass

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

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

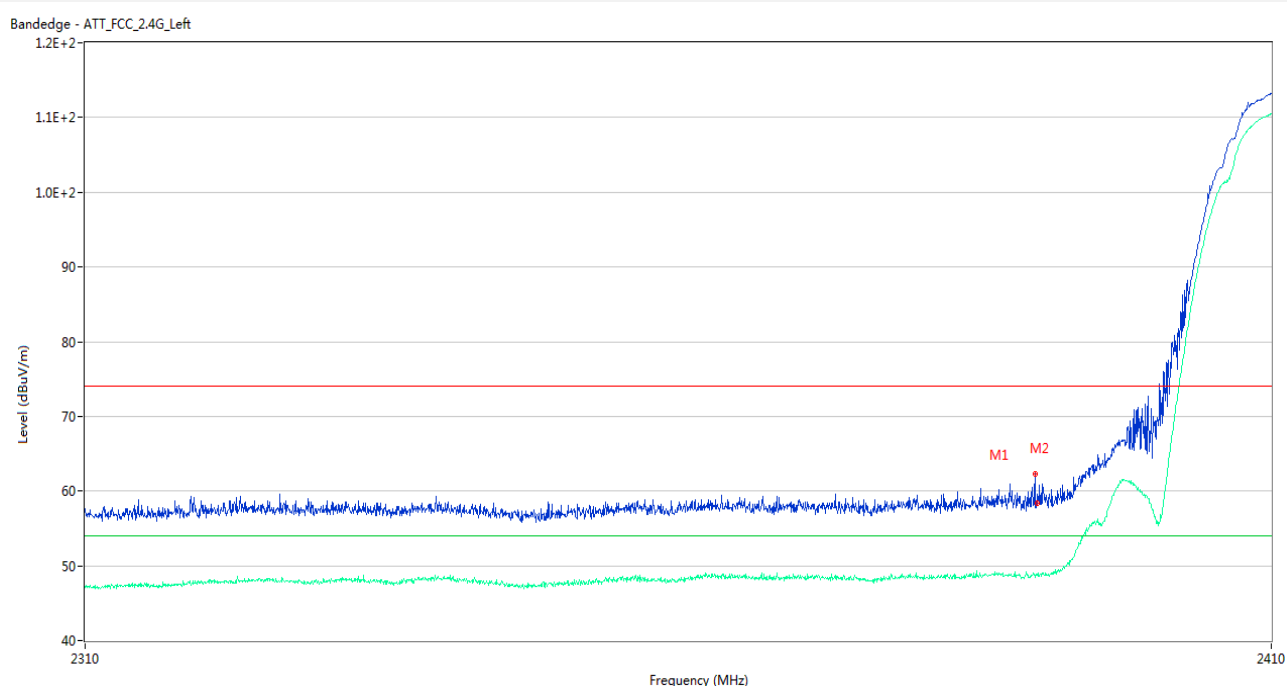
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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

Test Data and Plots

SISO-Main Antenna

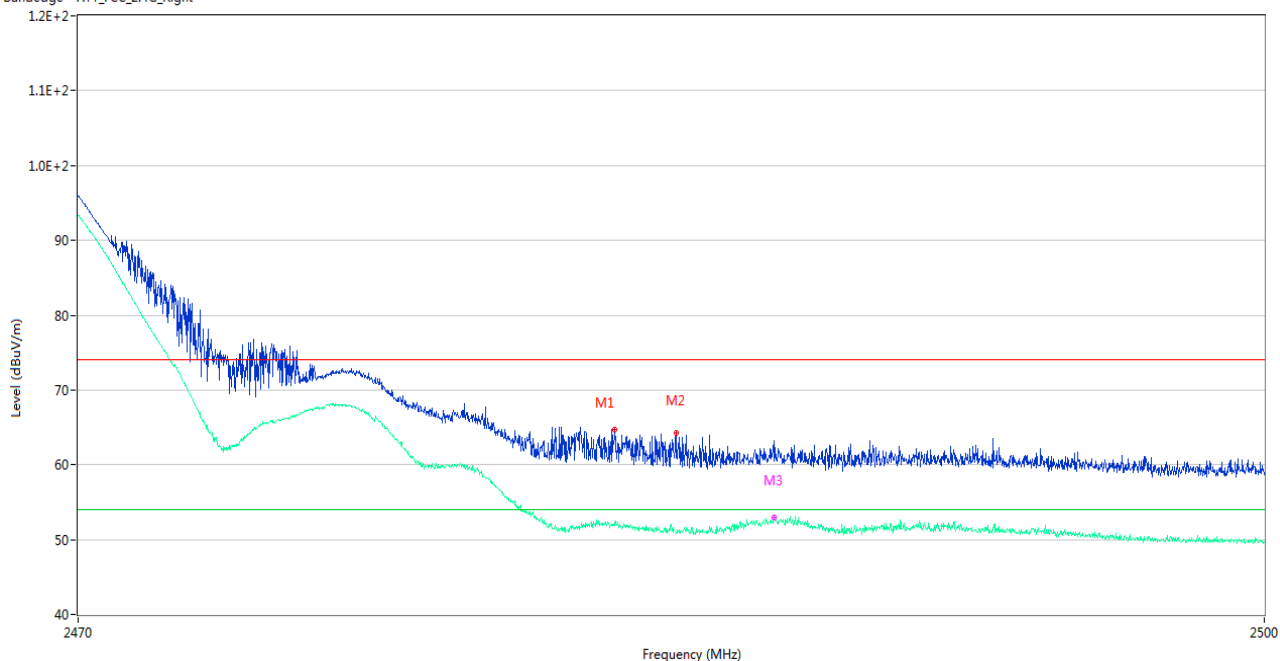
802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.750	62.30	1.92	74.0	11.70	Peak	3.00	200	Vertical	Pass
1**	2389.750	48.69	1.92	54.0	5.31	AV	3.00	200	Vertical	Pass
2	2389.950	58.40	1.92	74.0	15.60	Peak	360.00	100	Vertical	Pass
2**	2389.950	48.85	1.92	54.0	5.15	AV	360.00	100	Vertical	Pass

802.11b HIGH CHANNEL

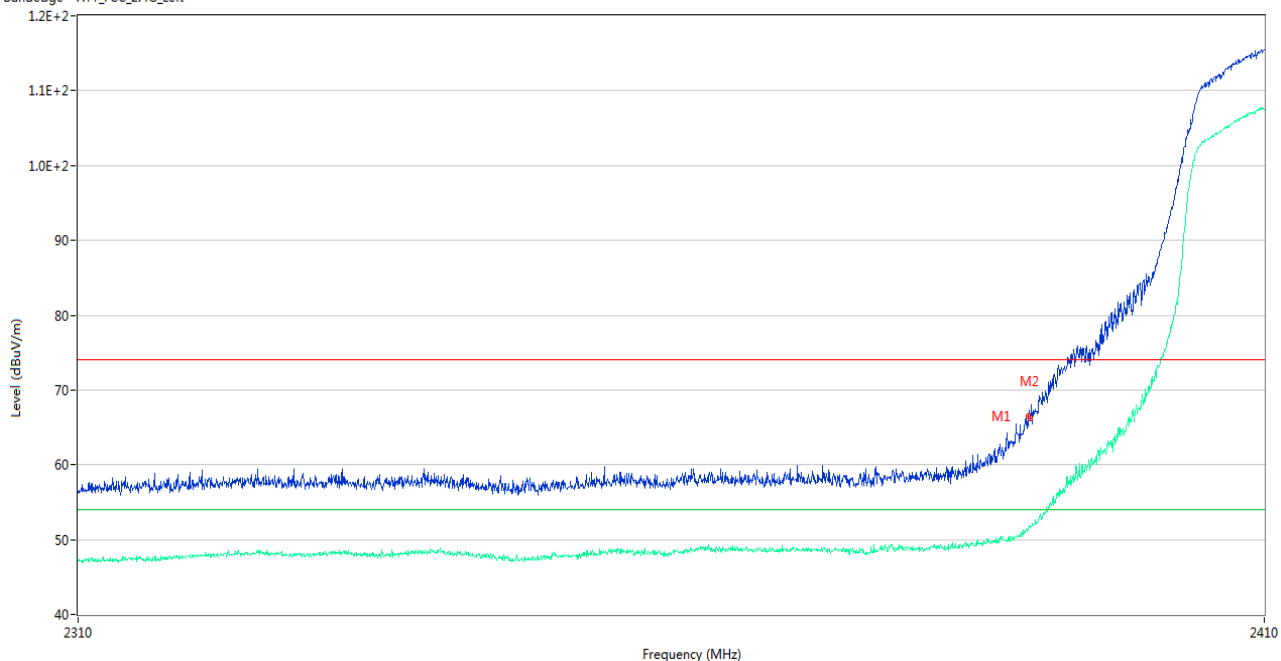
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	64.75	2.11	74.0	9.25	Peak	360.00	150	Vertical	Pass
1**	2483.530	51.95	2.11	54.0	2.05	AV	360.00	150	Vertical	Pass
2	2485.075	64.21	2.05	74.0	9.79	Peak	359.00	100	Vertical	Pass
2**	2485.075	50.97	2.05	54.0	3.03	AV	359.00	100	Vertical	Pass
3	2487.550	63.22	1.67	74.0	10.78	Peak	0.00	150	Vertical	Pass
3**	2487.550	52.97	1.67	54.0	1.03	AV	0.00	150	Vertical	Pass

802.11g LOW CHANNEL

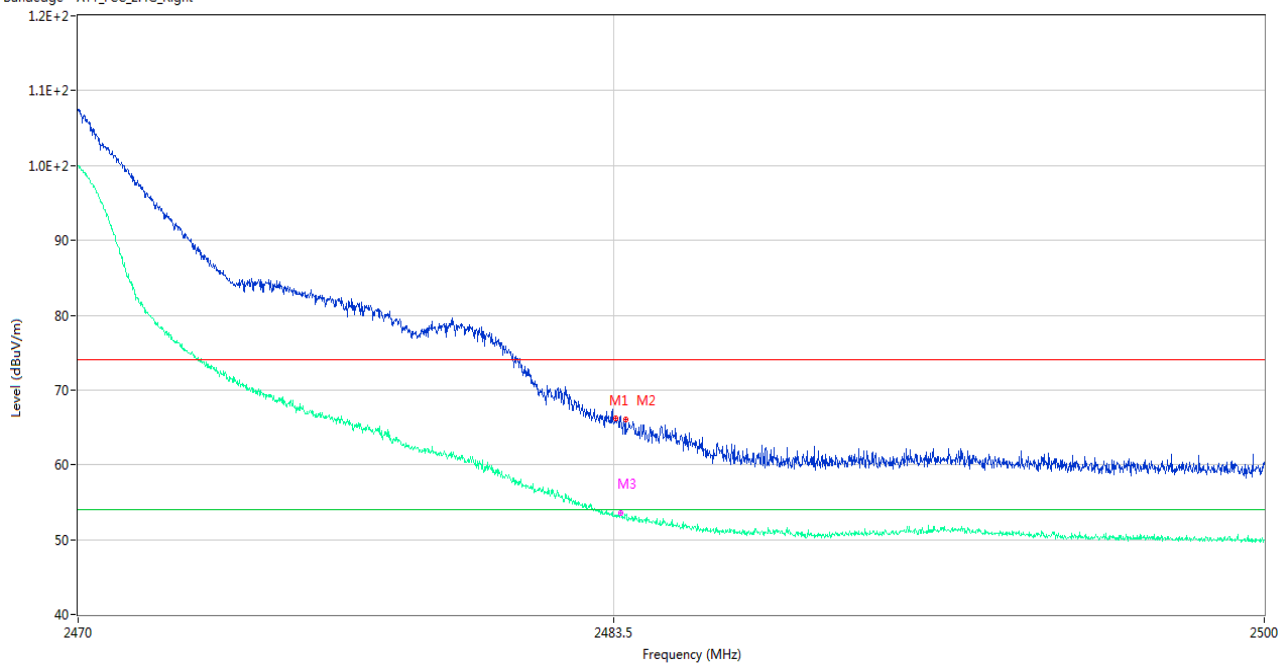
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.800	66.52	1.92	74.0	7.48	Peak	162.00	150	Vertical	Pass
1**	2389.800	51.49	1.92	54.0	2.51	AV	162.00	150	Vertical	Pass
2	2389.950	66.24	1.92	74.0	7.76	Peak	348.00	100	Vertical	Pass
2**	2389.950	51.67	1.92	54.0	2.33	AV	348.00	100	Vertical	Pass

802.11g HIGH CHANNEL

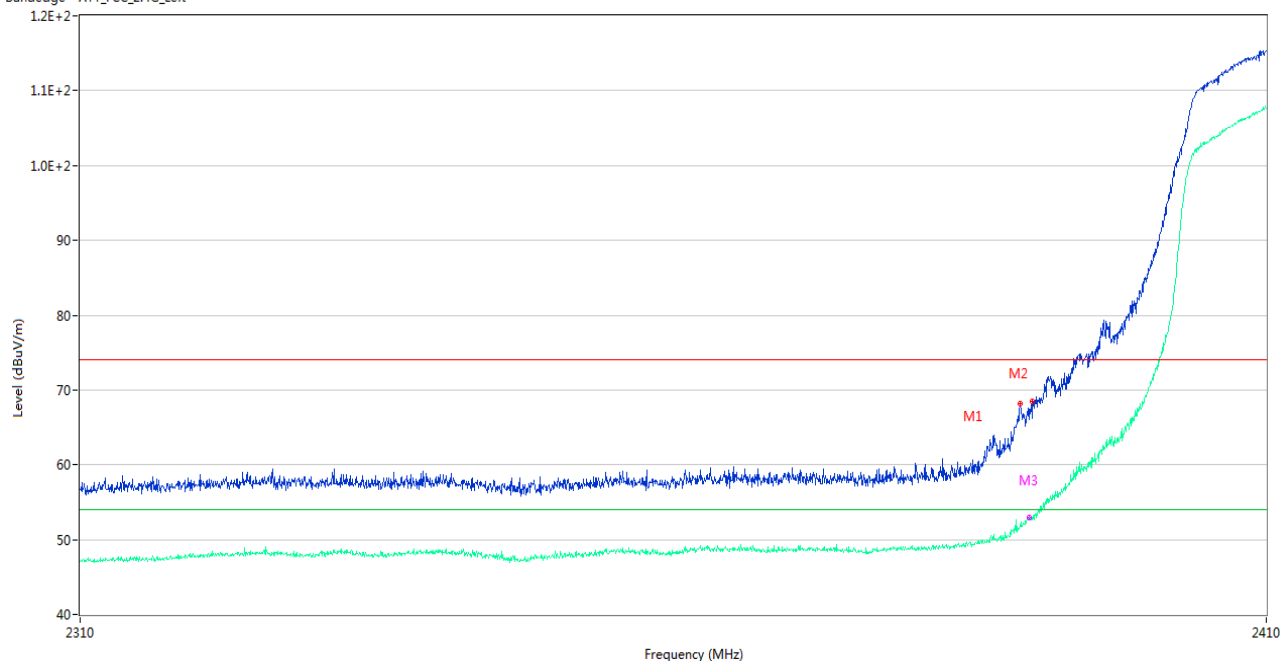
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	66.20	2.11	74.0	7.80	Peak	275.00	100	Vertical	Pass
1**	2483.560	53.21	2.11	54.0	0.79	AV	275.00	100	Vertical	Pass
2	2483.800	66.02	2.12	74.0	7.98	Peak	5.00	200	Vertical	Pass
2**	2483.800	53.28	2.12	54.0	0.72	AV	5.00	200	Vertical	Pass
3	2483.680	66.52	2.11	74.0	7.48	Peak	236.00	150	Vertical	Pass
3**	2483.680	53.54	2.11	54.0	0.46	AV	236.00	150	Vertical	Pass

802.11n20 LOW CHANNEL

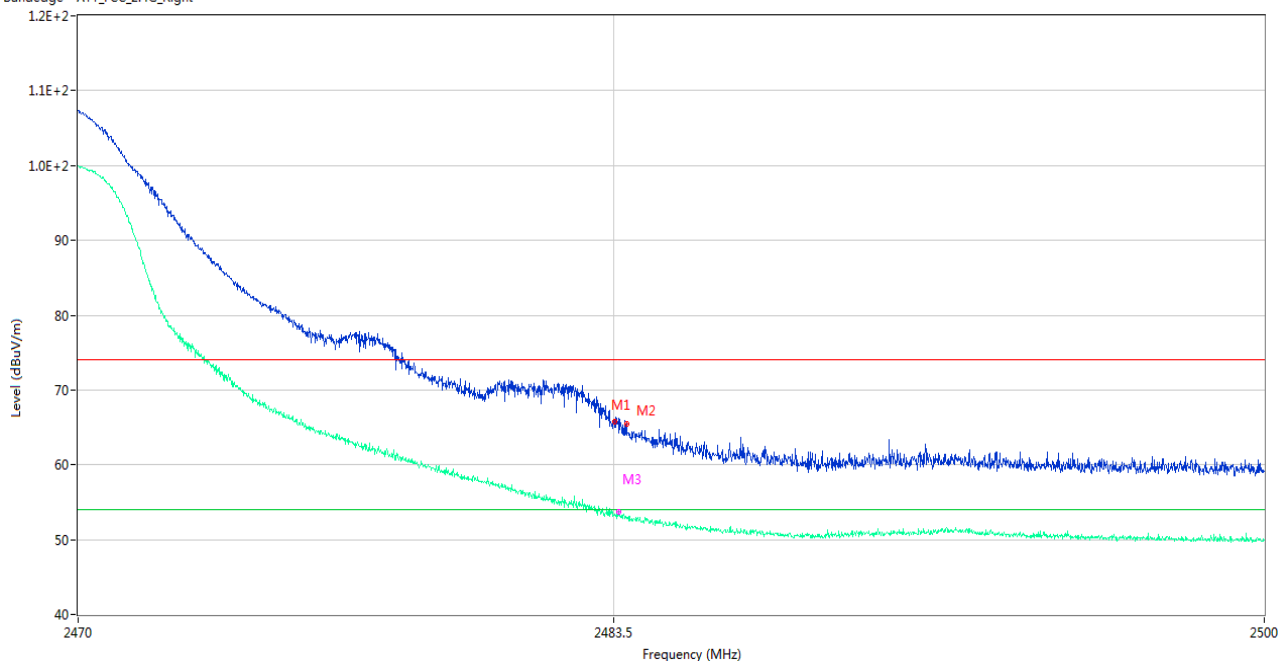
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.900	68.18	1.90	74.0	5.82	Peak	253.00	150	Vertical	Pass
1**	2388.900	51.94	1.90	54.0	2.06	AV	253.00	150	Vertical	Pass
2	2389.950	68.50	1.92	74.0	5.50	Peak	253.00	100	Vertical	Pass
2**	2389.950	52.74	1.92	54.0	1.26	AV	253.00	100	Vertical	Pass
3	2389.700	67.41	1.92	74.0	6.59	Peak	256.00	150	Vertical	Pass
3**	2389.700	53.01	1.92	54.0	0.99	AV	256.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL

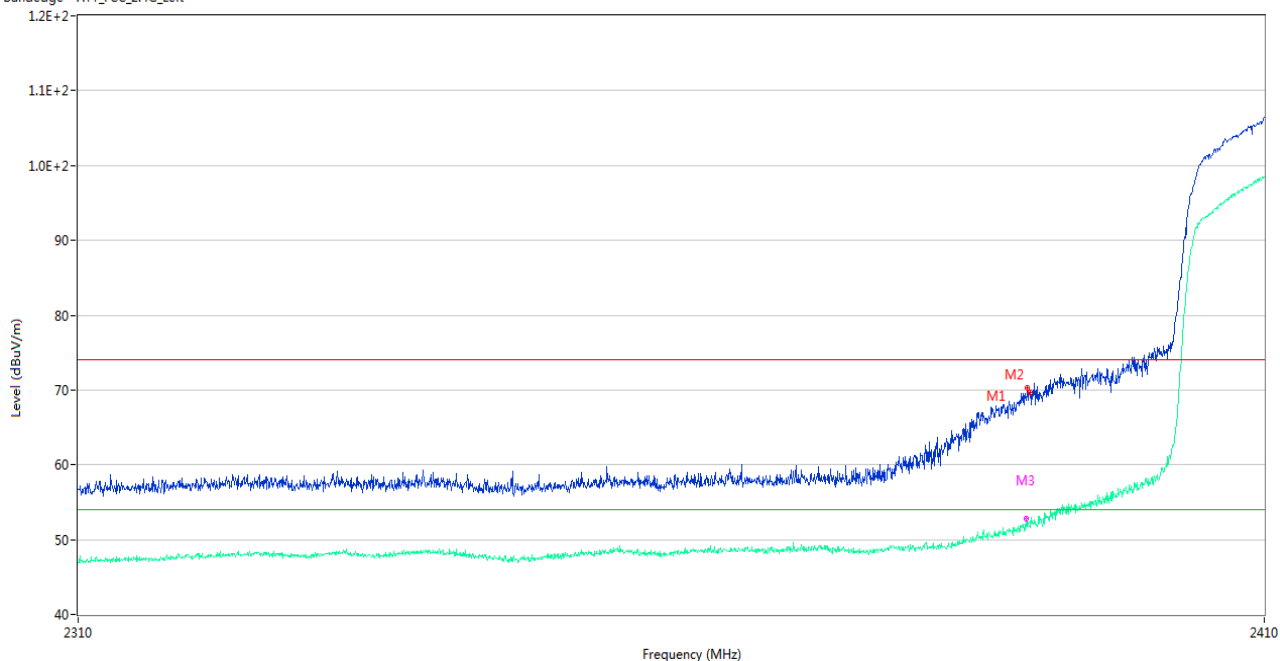
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	65.72	2.11	74.0	8.28	Peak	0.00	200	Vertical	Pass
1**	2483.530	52.60	2.11	54.0	1.40	AV	0.00	200	Vertical	Pass
2	2483.830	65.42	2.12	74.0	8.58	Peak	0.00	100	Vertical	Pass
2**	2483.830	52.73	2.12	54.0	1.27	AV	0.00	100	Vertical	Pass
3	2483.635	64.32	2.11	74.0	9.68	Peak	275.00	150	Vertical	Pass
3**	2483.635	53.68	2.11	54.0	0.32	AV	275.00	150	Vertical	Pass

802.11n40 LOW CHANNEL

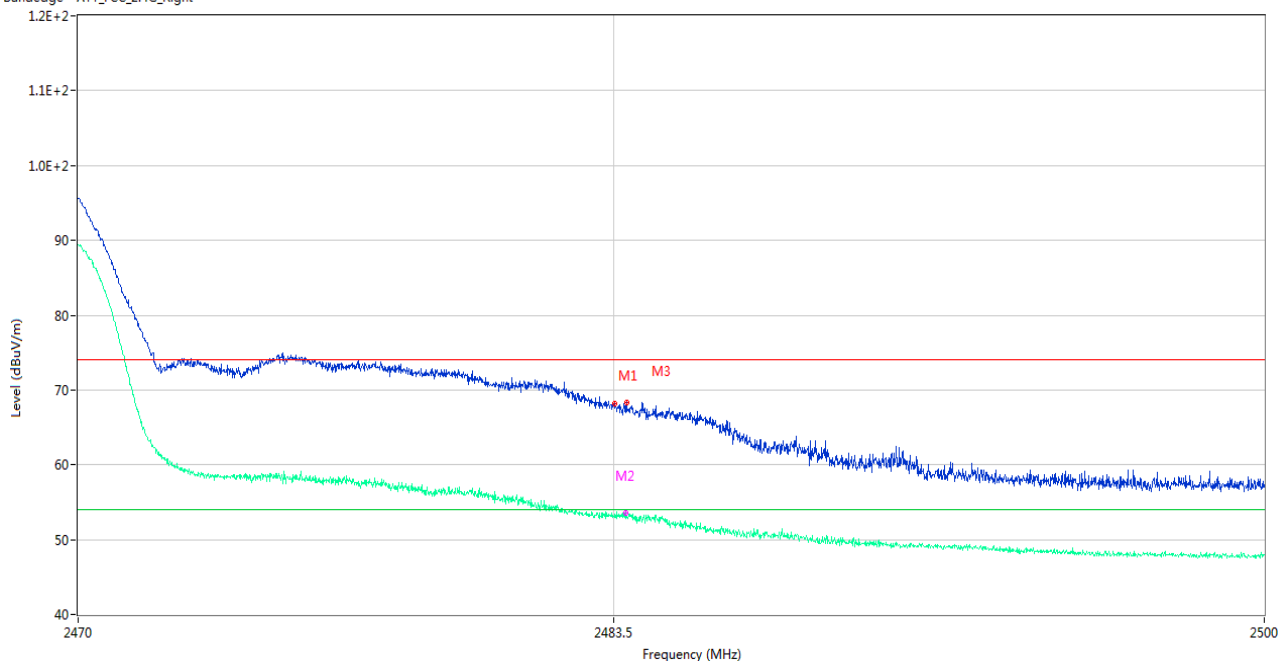
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.700	70.28	1.92	74.0	3.72	Peak	267.00	100	Vertical	Pass
1**	2389.700	51.82	1.92	54.0	2.18	AV	267.00	100	Vertical	Pass
2	2389.950	69.73	1.92	74.0	4.27	Peak	251.00	150	Vertical	Pass
2**	2389.950	52.25	1.92	54.0	1.75	AV	251.00	150	Vertical	Pass
3	2389.550	68.98	1.91	74.0	5.02	Peak	244.00	150	Vertical	Pass
3**	2389.550	52.77	1.91	54.0	1.23	AV	244.00	150	Vertical	Pass

802.11n40 HIGH CHANNEL

Bandedge - ATT_FCC_2.4G_Right

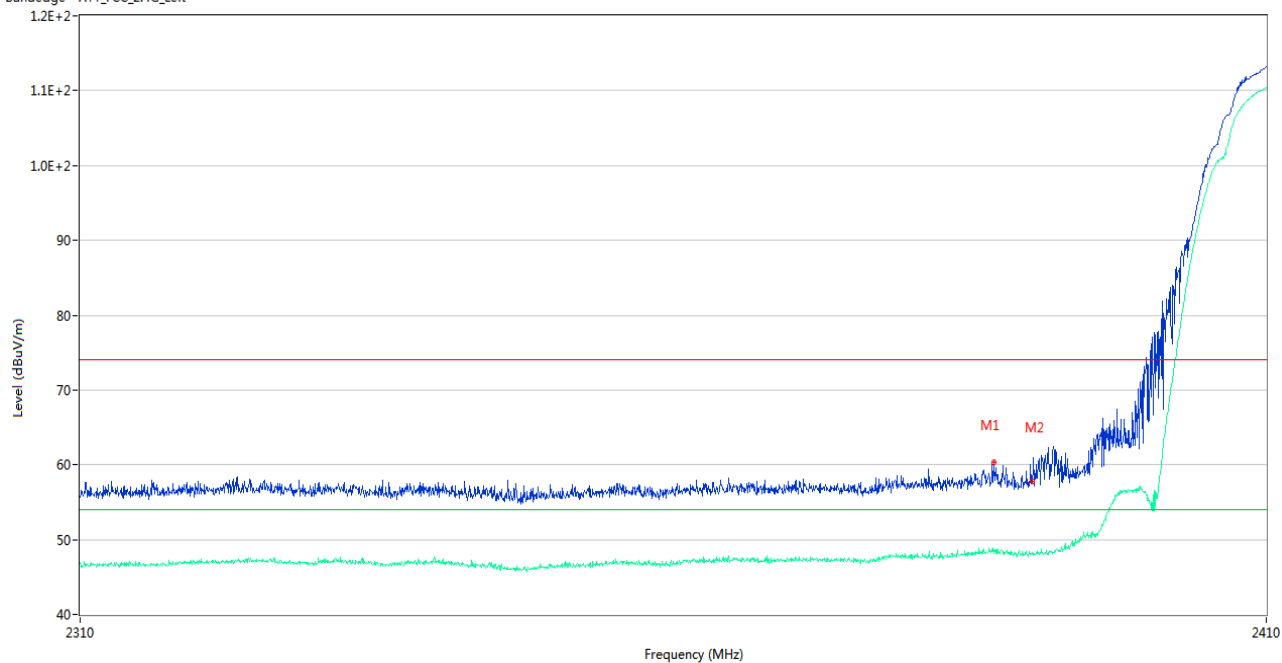


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	68.16	2.11	74.0	5.84	Peak	235.00	200	Vertical	Pass
1**	2483.515	52.95	2.11	54.0	1.05	AV	235.00	200	Vertical	Pass
2	2483.800	66.90	2.12	74.0	7.10	Peak	268.00	150	Vertical	Pass
2**	2483.800	53.52	2.12	54.0	0.48	AV	268.00	150	Vertical	Pass
3	2483.830	68.30	2.12	74.0	5.70	Peak	266.00	100	Vertical	Pass
3**	2483.830	52.99	2.12	54.0	1.01	AV	266.00	100	Vertical	Pass

SISO-Aux. Antenna

802.11b LOW CHANNEL

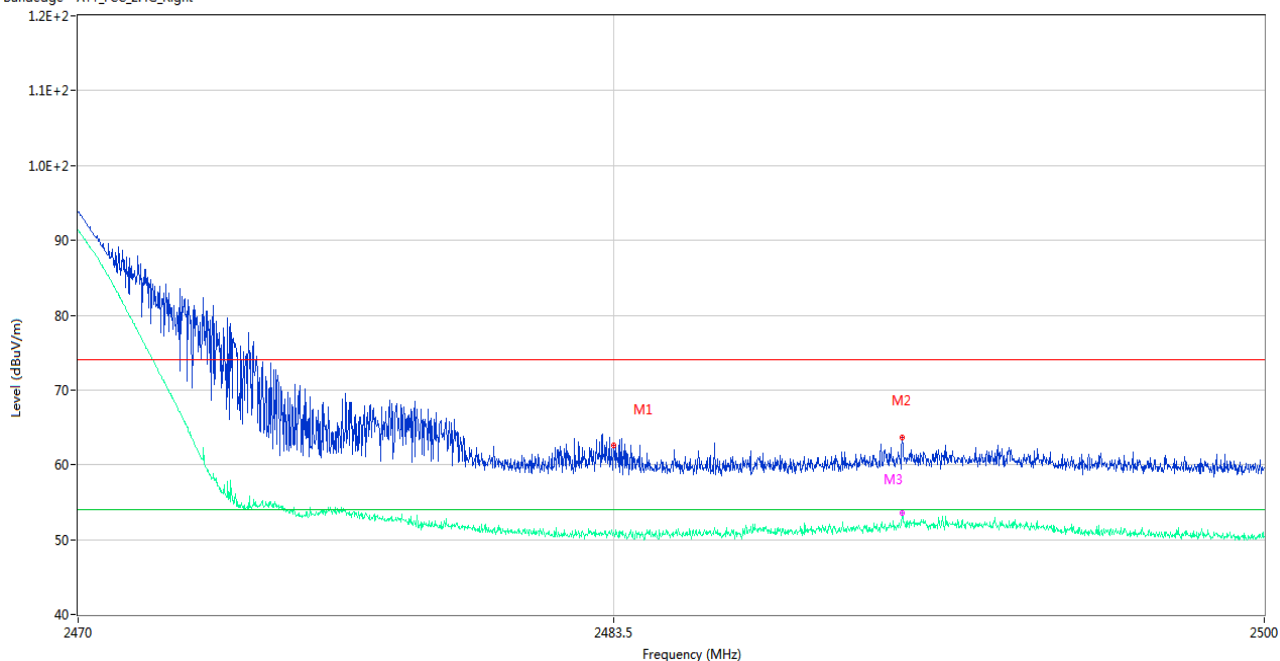
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.700	60.37	2.39	74.0	13.63	Peak	264.00	100	Vertical	Pass
1**	2386.700	48.13	2.39	54.0	5.87	AV	264.00	100	Vertical	Pass
2	2389.950	57.72	1.92	74.0	16.28	Peak	342.00	100	Vertical	Pass
2**	2389.950	48.22	1.92	54.0	5.78	AV	342.00	100	Vertical	Pass

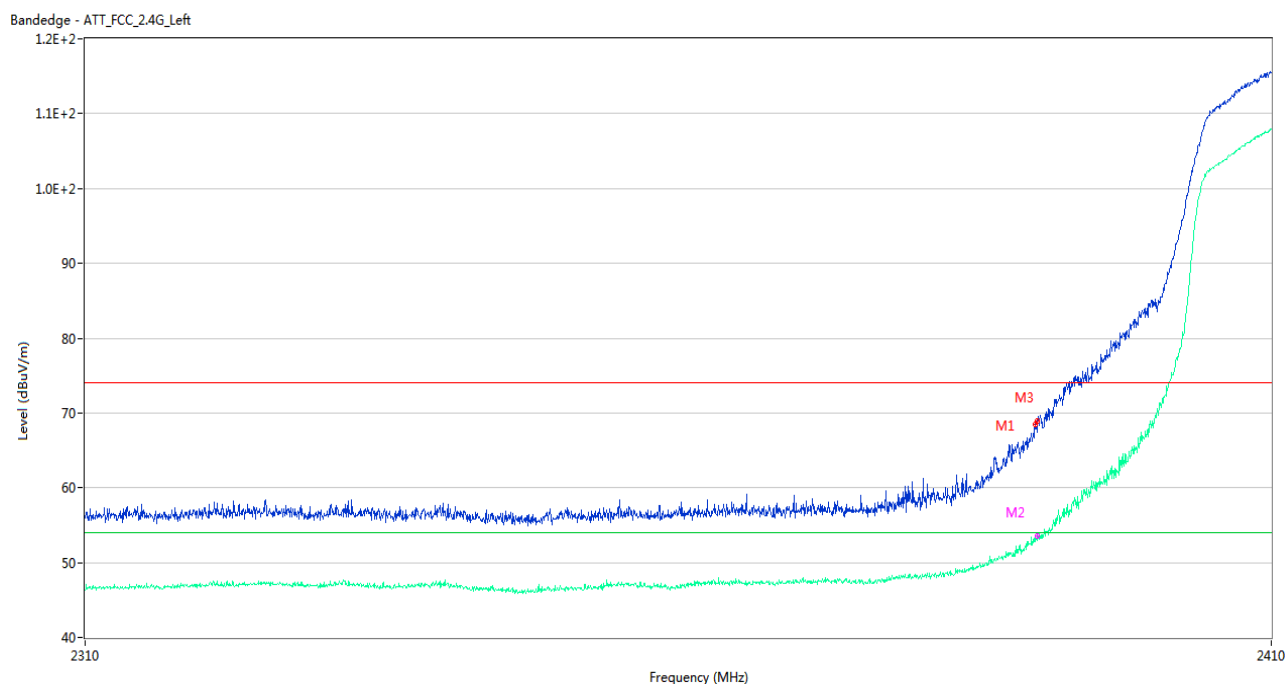
802.11b HIGH CHANNEL

Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	62.55	2.11	74.0	11.45	Peak	90.00	200	Vertical	Pass
1**	2483.500	51.04	2.11	54.0	2.96	AV	90.00	200	Vertical	Pass
2	2490.805	63.66	1.82	74.0	10.34	Peak	332.00	100	Vertical	Pass
2**	2490.805	53.63	1.82	54.0	0.37	AV	332.00	100	Vertical	Pass
3	2490.805	63.66	1.82	74.0	10.34	Peak	332.00	150	Vertical	Pass
3**	2490.805	53.63	1.82	54.0	0.37	AV	332.00	150	Vertical	Pass

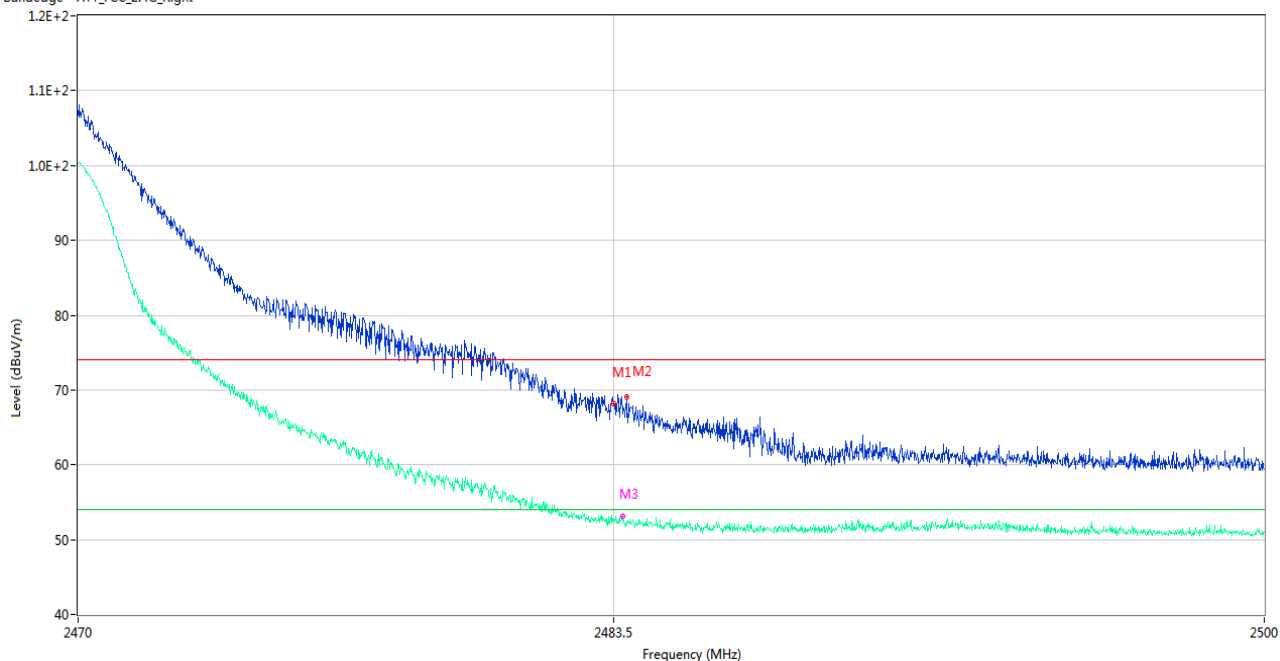
802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.750	68.47	1.92	74.0	5.53	Peak	59.00	200	Vertical	Pass
1**	2389.750	53.26	1.92	54.0	0.74	AV	59.00	200	Vertical	Pass
2	2389.900	67.41	1.92	74.0	6.59	Peak	45.00	150	Vertical	Pass
2**	2389.900	53.58	1.92	54.0	0.42	AV	45.00	150	Vertical	Pass
3	2389.950	68.95	1.92	74.0	5.05	Peak	50.00	200	Vertical	Pass
3**	2389.950	52.95	1.92	54.0	1.05	AV	50.00	200	Vertical	Pass

802.11g HIGH CHANNEL

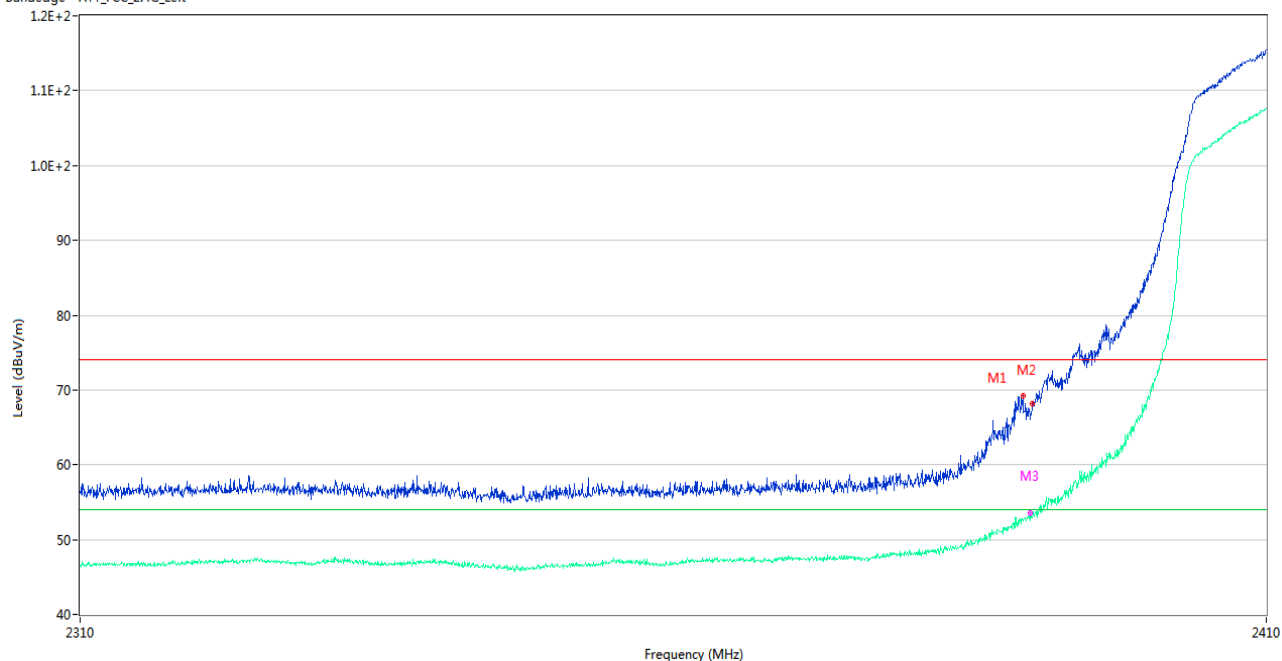
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.13	2.11	74.0	5.87	Peak	40.00	100	Vertical	Pass
1**	2483.500	52.67	2.11	54.0	1.33	AV	40.00	100	Vertical	Pass
2	2483.830	69.07	2.12	74.0	4.93	Peak	337.00	200	Vertical	Pass
2**	2483.830	52.32	2.12	54.0	1.68	AV	337.00	200	Vertical	Pass
3	2483.725	66.83	2.12	74.0	7.17	Peak	326.00	150	Vertical	Pass
3**	2483.725	53.14	2.12	54.0	0.86	AV	326.00	150	Vertical	Pass

802.11n20 LOW CHANNEL

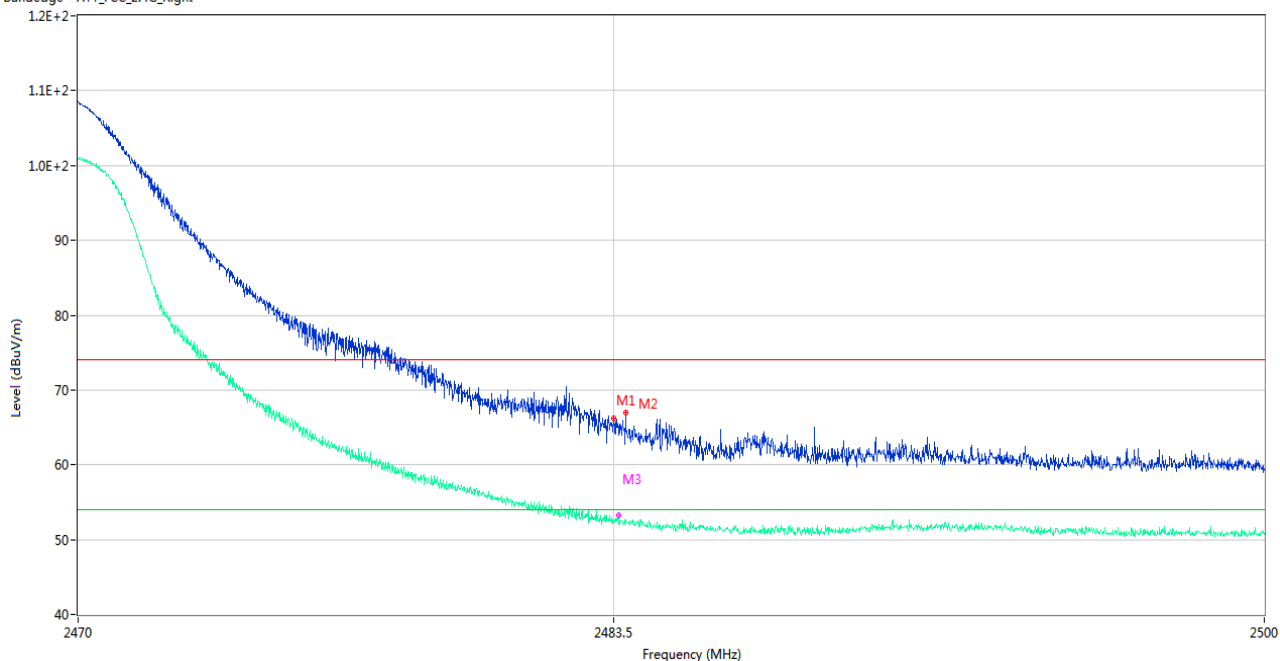
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.150	69.23	1.91	74.0	4.77	Peak	58.00	150	Vertical	Pass
1**	2389.150	52.62	1.91	54.0	1.38	AV	58.00	150	Vertical	Pass
2	2389.950	68.11	1.92	74.0	5.89	Peak	43.00	200	Vertical	Pass
2**	2389.950	52.94	1.92	54.0	1.06	AV	43.00	200	Vertical	Pass
3	2389.800	66.09	1.92	74.0	7.91	Peak	316.00	150	Vertical	Pass
3**	2389.800	53.59	1.92	54.0	0.41	AV	316.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL

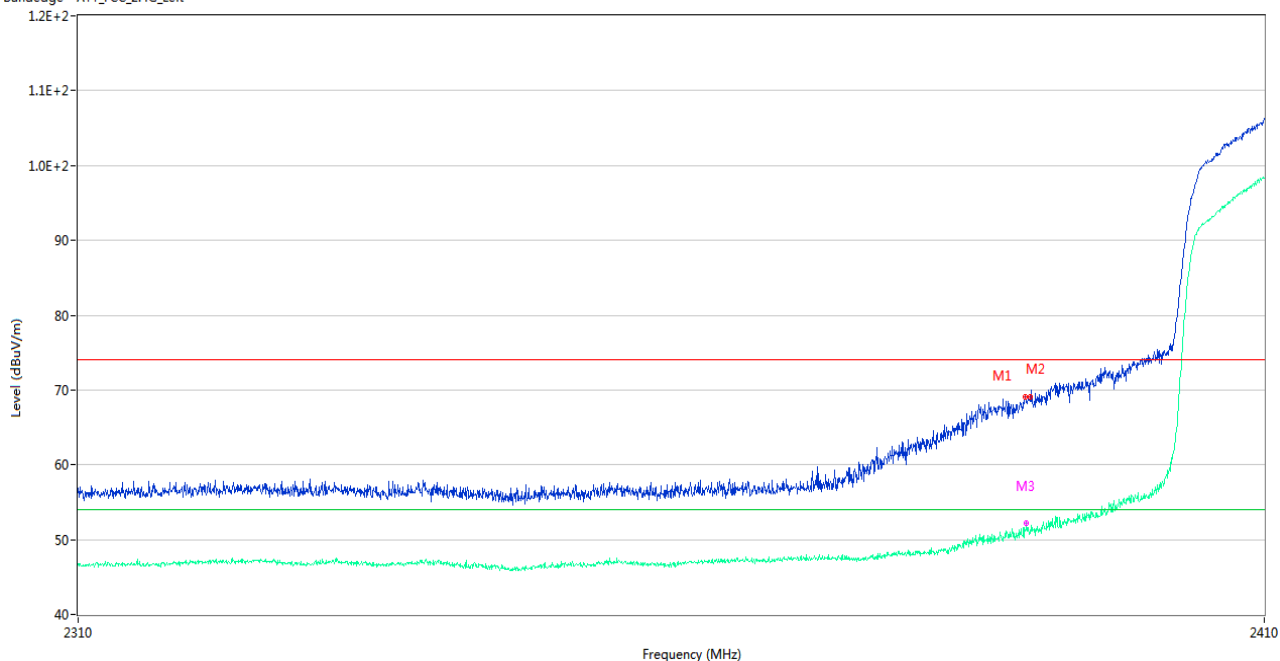
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.24	2.11	74.0	7.76	Peak	67.00	150	Vertical	Pass
1**	2483.500	52.57	2.11	54.0	1.43	AV	67.00	150	Vertical	Pass
2	2483.800	67.00	2.12	74.0	7.00	Peak	58.00	150	Vertical	Pass
2**	2483.800	52.60	2.12	54.0	1.40	AV	58.00	150	Vertical	Pass
3	2483.620	65.14	2.11	74.0	8.86	Peak	0.00	150	Vertical	Pass
3**	2483.620	53.28	2.11	54.0	0.72	AV	0.00	150	Vertical	Pass

802.11n40 LOW CHANNEL

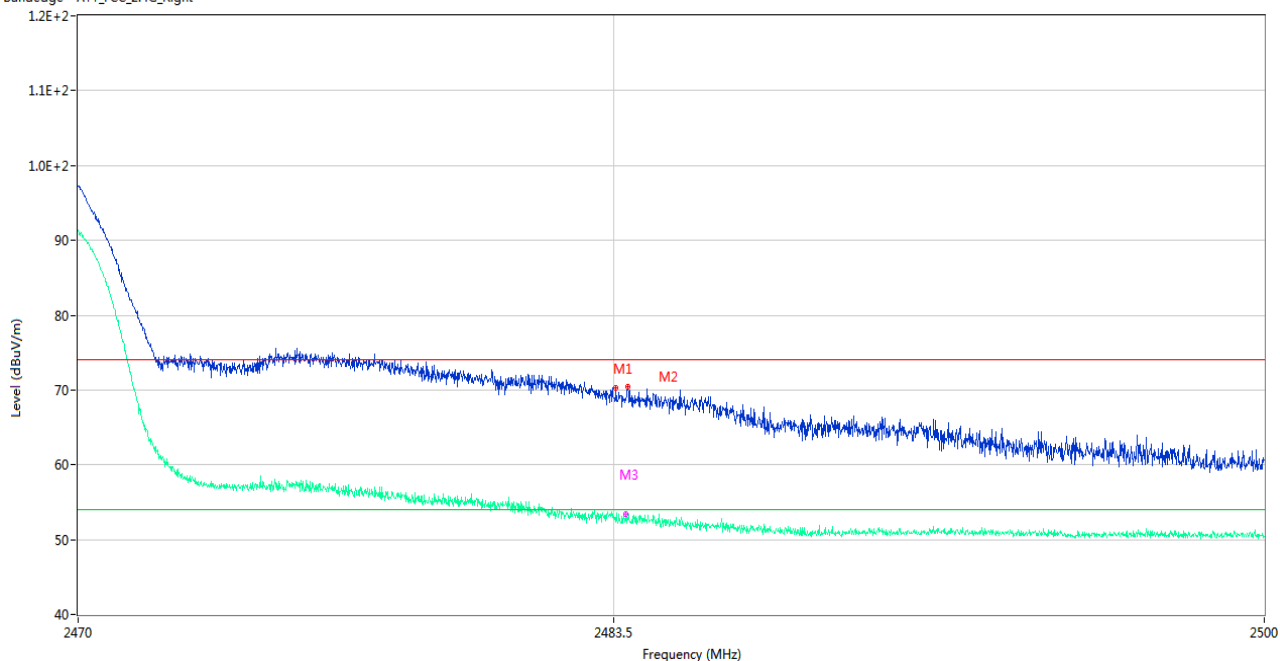
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	69.07	1.91	74.0	4.93	Peak	63.00	100	Vertical	Pass
1**	2389.500	51.09	1.91	54.0	2.91	AV	63.00	100	Vertical	Pass
2	2389.950	69.12	1.92	74.0	4.88	Peak	54.00	200	Vertical	Pass
2**	2389.950	50.85	1.92	54.0	3.15	AV	54.00	200	Vertical	Pass
3	2389.600	68.25	1.91	74.0	5.75	Peak	326.00	150	Vertical	Pass
3**	2389.600	52.16	1.91	54.0	1.84	AV	326.00	150	Vertical	Pass

802.11n40 HIGH CHANNEL

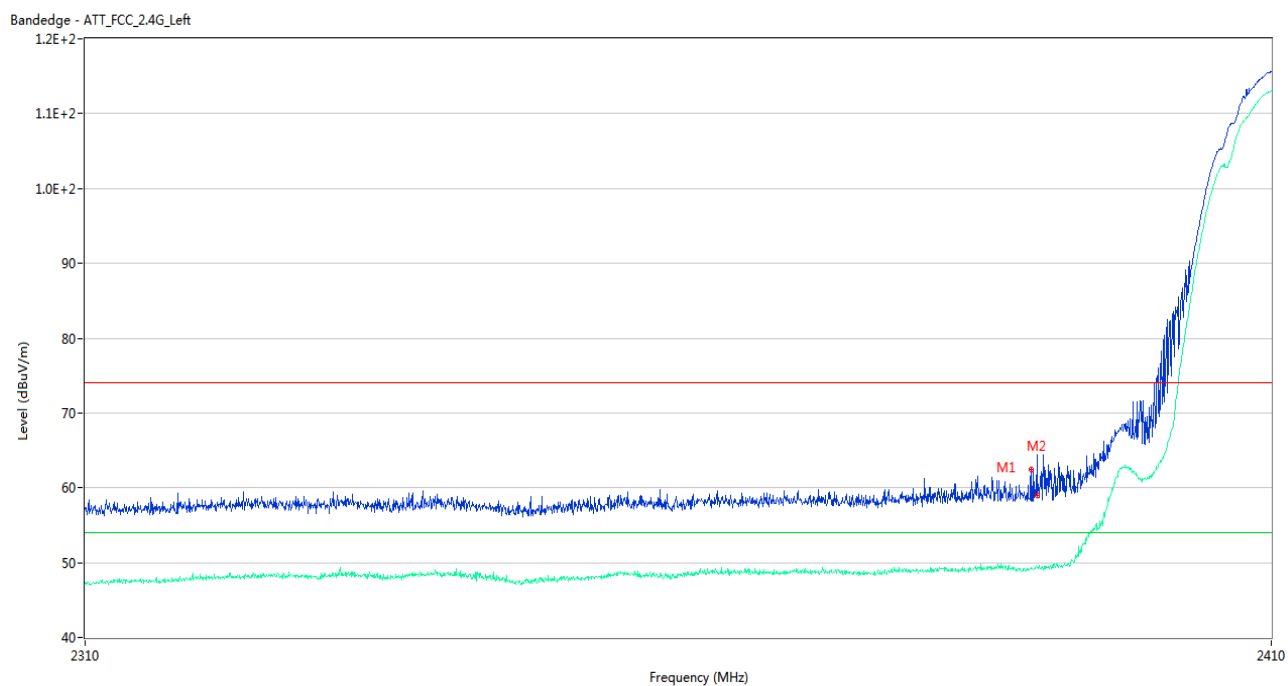
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	70.27	2.11	74.0	3.73	Peak	59.00	100	Vertical	Pass
1**	2483.560	52.42	2.11	54.0	1.58	AV	59.00	100	Vertical	Pass
2	2483.860	70.38	2.12	74.0	3.62	Peak	63.00	150	Vertical	Pass
2**	2483.860	52.68	2.12	54.0	1.32	AV	63.00	150	Vertical	Pass
3	2483.800	68.69	2.12	74.0	5.31	Peak	326.00	150	Vertical	Pass
3**	2483.800	53.46	2.12	54.0	0.54	AV	326.00	150	Vertical	Pass

MIMO

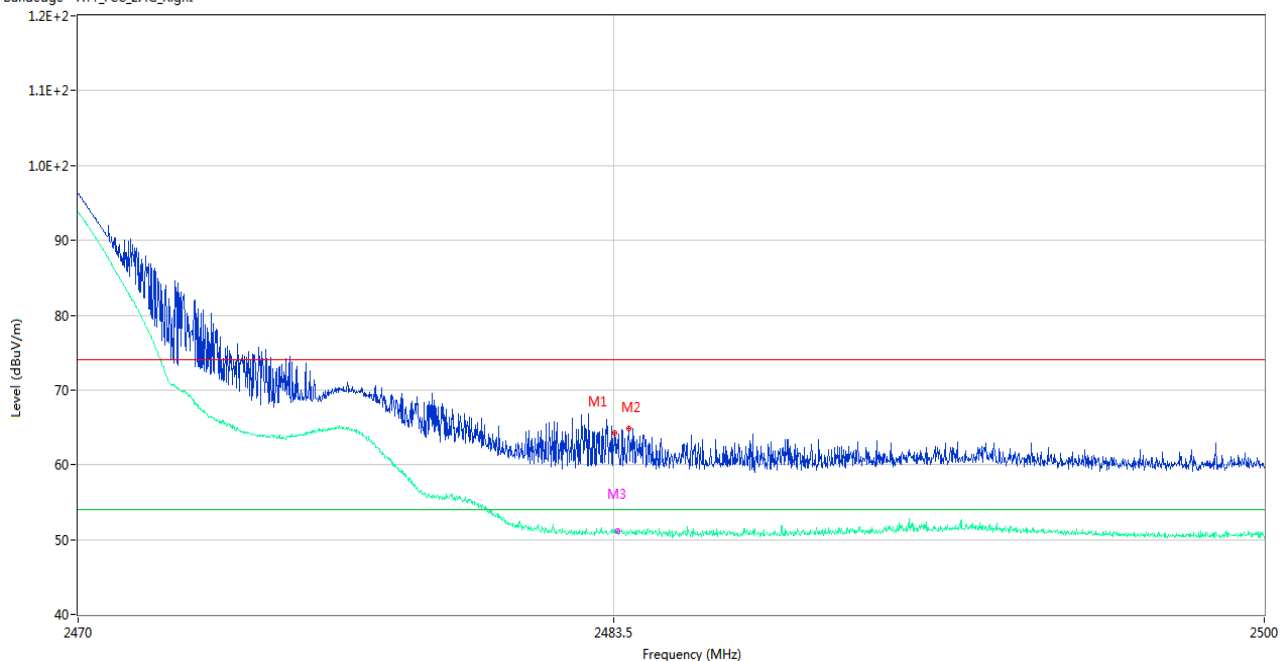
802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.450	62.48	1.91	74.0	11.52	Peak	230.00	150	Vertical	Pass
1**	2389.450	49.18	1.91	54.0	4.82	AV	230.00	150	Vertical	Pass
2	2389.950	58.95	1.92	74.0	15.05	Peak	360.00	150	Vertical	Pass
2**	2389.950	49.39	1.92	54.0	4.61	AV	360.00	150	Vertical	Pass

802.11b HIGH CHANNEL

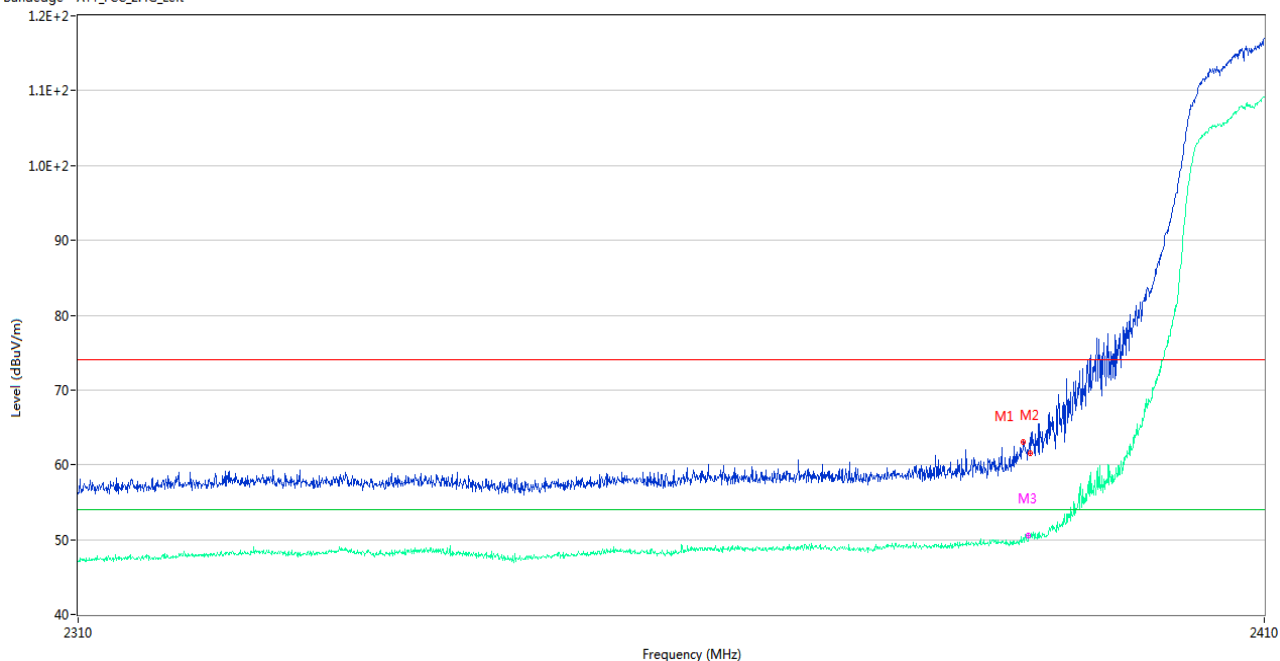
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	64.24	2.11	74.0	9.76	Peak	343.00	150	Vertical	Pass
1**	2483.530	51.38	2.11	54.0	2.62	AV	343.00	150	Vertical	Pass
2	2483.875	64.89	2.12	74.0	9.11	Peak	216.00	200	Vertical	Pass
2**	2483.875	50.78	2.12	54.0	3.22	AV	216.00	200	Vertical	Pass
3	2483.605	62.53	2.11	74.0	11.47	Peak	360.00	150	Vertical	Pass
3**	2483.605	51.10	2.11	54.0	2.90	AV	360.00	150	Vertical	Pass

802.11g LOW CHANNEL

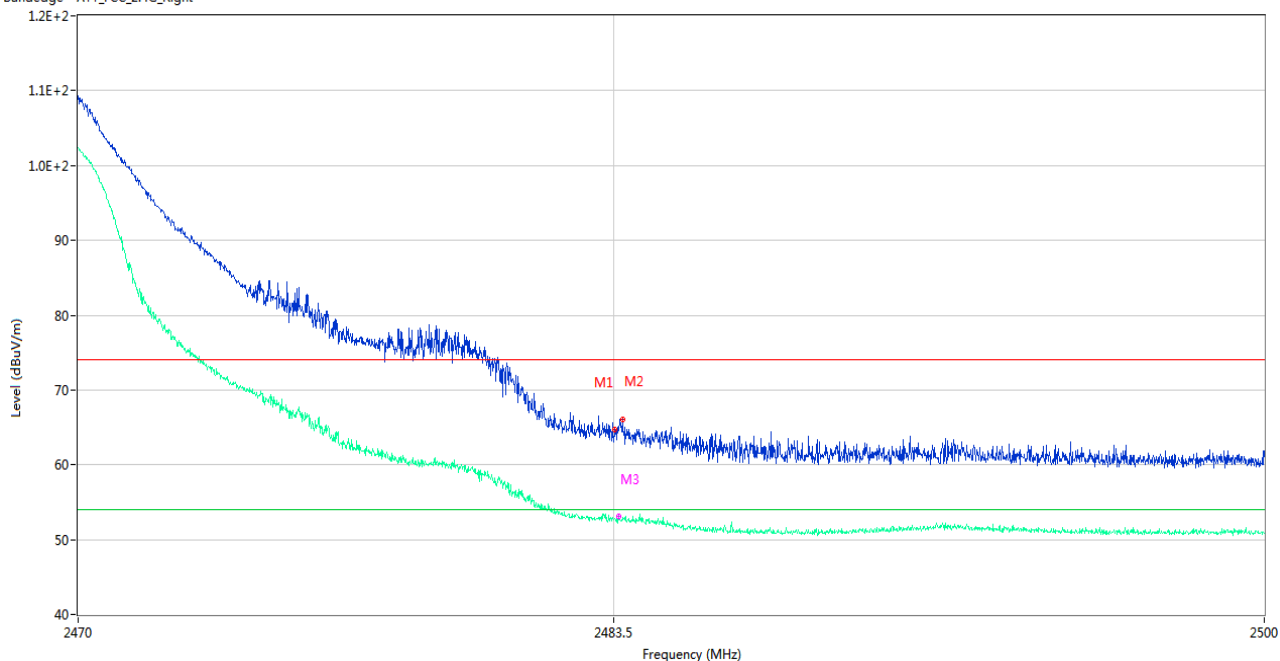
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.350	63.02	1.91	74.0	10.98	Peak	263.00	100	Vertical	Pass
1**	2389.350	50.25	1.91	54.0	3.75	AV	263.00	100	Vertical	Pass
2	2389.950	61.62	1.92	74.0	12.38	Peak	49.00	150	Vertical	Pass
2**	2389.950	50.36	1.92	54.0	3.64	AV	49.00	150	Vertical	Pass
3	2389.800	61.78	1.92	74.0	12.22	Peak	306.00	150	Vertical	Pass
3**	2389.800	50.51	1.92	54.0	3.49	AV	306.00	150	Vertical	Pass

802.11g HIGH CHANNEL

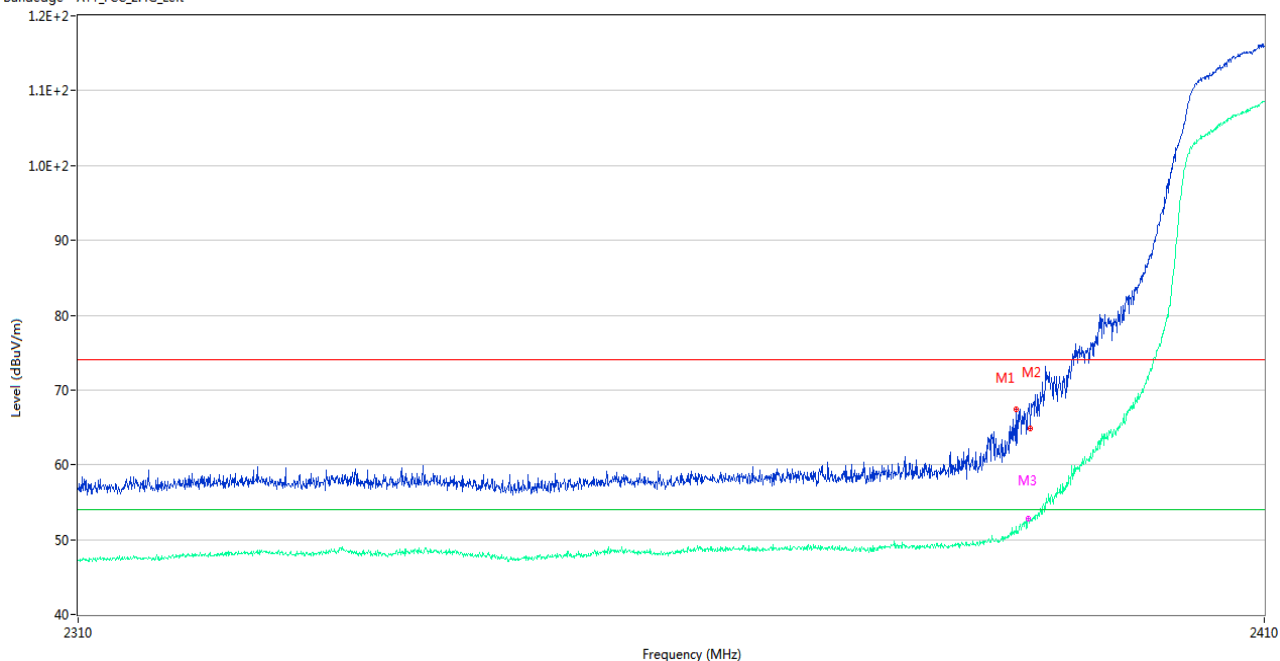
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	64.72	2.11	74.0	9.28	Peak	297.00	150	Vertical	Pass
1**	2483.515	52.86	2.11	54.0	1.14	AV	297.00	150	Vertical	Pass
2	2483.725	65.99	2.12	74.0	8.01	Peak	354.00	100	Vertical	Pass
2**	2483.725	52.89	2.12	54.0	1.11	AV	354.00	100	Vertical	Pass
3	2483.620	64.63	2.11	74.0	9.37	Peak	9.00	150	Vertical	Pass
3**	2483.620	53.15	2.11	54.0	0.85	AV	9.00	150	Vertical	Pass

802.11n20 LOW CHANNEL

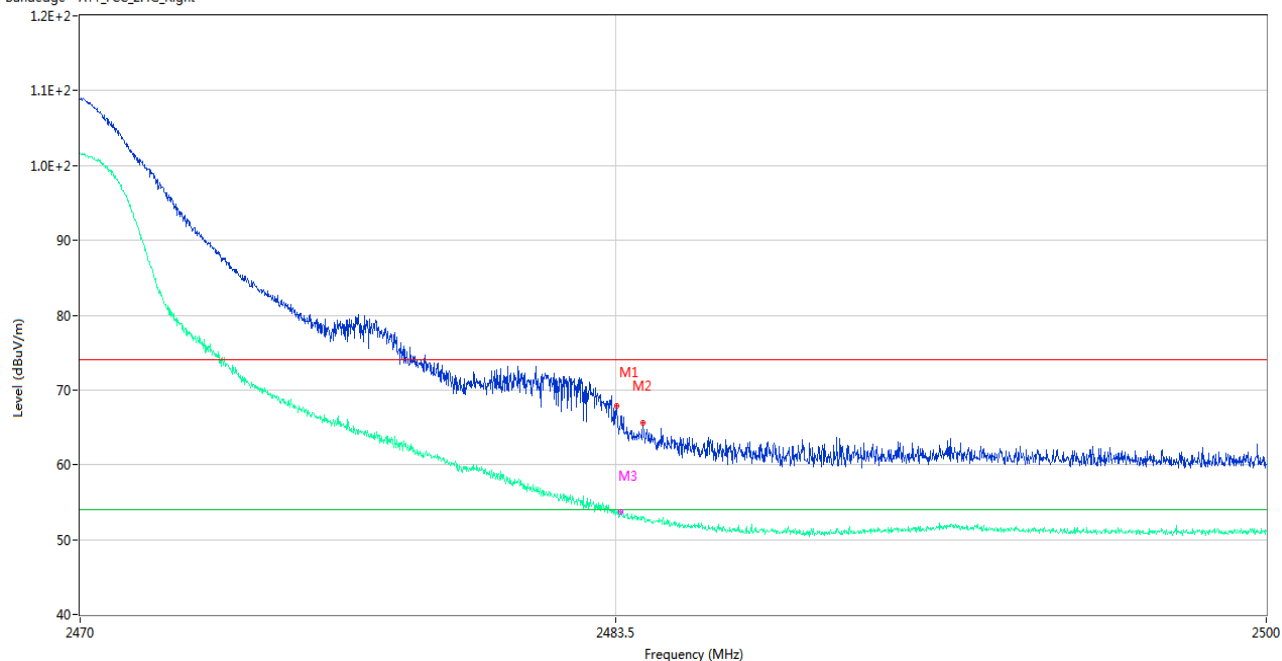
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.700	67.39	1.90	74.0	6.61	Peak	247.00	200	Vertical	Pass
1**	2388.700	50.90	1.90	54.0	3.10	AV	247.00	200	Vertical	Pass
2	2389.950	64.79	1.92	74.0	9.21	Peak	255.00	200	Vertical	Pass
2**	2389.950	52.50	1.92	54.0	1.50	AV	255.00	200	Vertical	Pass
3	2389.800	67.17	1.92	74.0	6.83	Peak	0.00	150	Vertical	Pass
3**	2389.800	52.84	1.92	54.0	1.16	AV	0.00	150	Vertical	Pass

802.11n20 HIGH CHANNEL

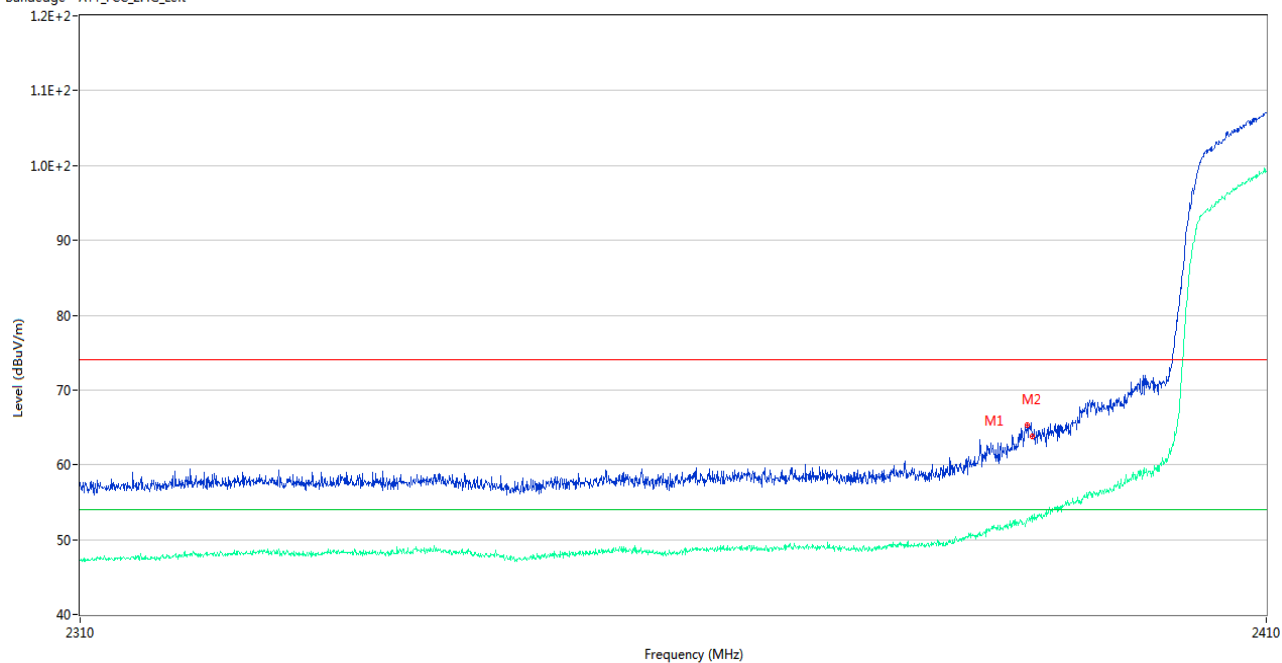
Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	67.89	2.11	74.0	6.11	Peak	245.00	200	Vertical	Pass
1**	2483.515	53.68	2.11	54.0	0.32	AV	245.00	200	Vertical	Pass
2	2484.190	65.65	2.13	74.0	8.35	Peak	230.00	200	Vertical	Pass
2**	2484.190	53.05	2.13	54.0	0.95	AV	230.00	200	Vertical	Pass
3	2483.635	66.58	2.11	74.0	7.42	Peak	260.00	150	Vertical	Pass
3**	2483.635	53.69	2.11	54.0	0.31	AV	260.00	150	Vertical	Pass

802.11n40 LOW CHANNEL

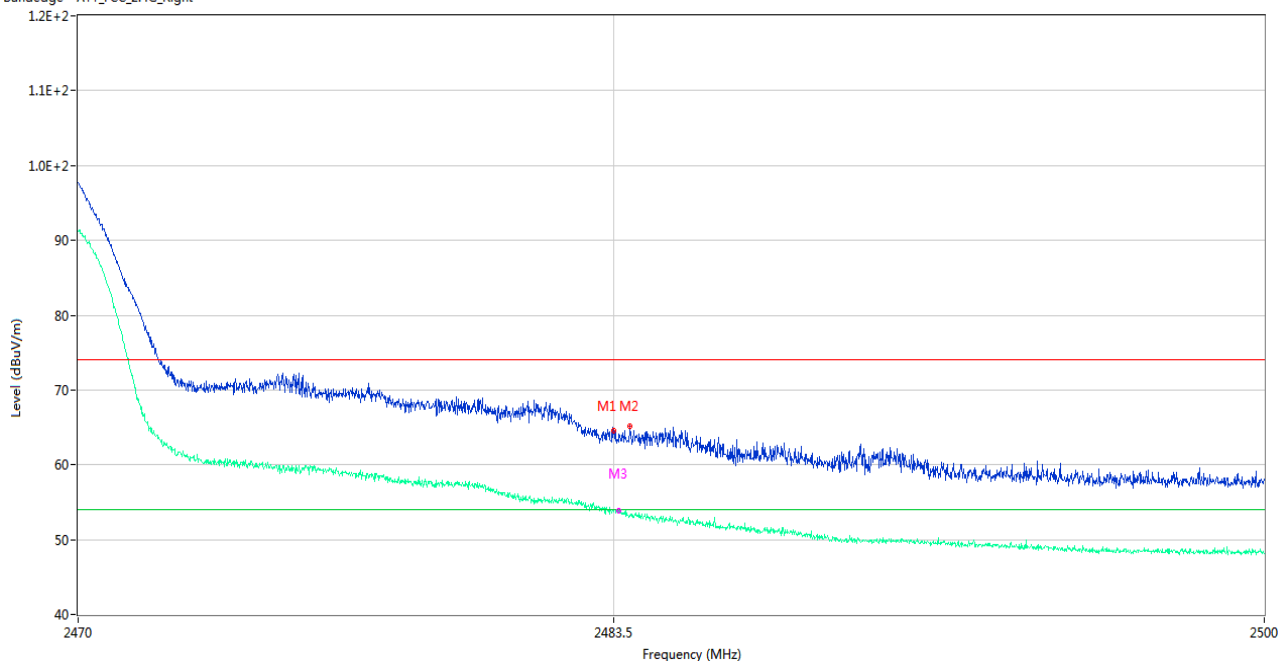
Bandedge - ATT_FCC_2.4G_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	65.33	1.91	74.0	8.67	Peak	266.00	200	Vertical	Pass
1**	2389.500	52.84	1.91	54.0	1.16	AV	266.00	200	Vertical	Pass
2	2389.950	63.84	1.92	74.0	10.16	Peak	259.00	100	Vertical	Pass
2**	2389.950	53.31	1.92	54.0	0.69	AV	259.00	100	Vertical	Pass

802.11n40 HIGH CHANNEL

Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.48	2.11	74.0	9.52	Peak	246.00	200	Vertical	Pass
1**	2483.500	53.66	2.11	54.0	0.34	AV	246.00	200	Vertical	Pass
2	2483.920	65.13	2.12	74.0	8.87	Peak	0.00	150	Vertical	Pass
2**	2483.920	53.14	2.12	54.0	0.86	AV	0.00	150	Vertical	Pass
3	2483.635	64.15	2.11	74.0	9.85	Peak	279.00	150	Vertical	Pass
3**	2483.635	53.84	2.11	54.0	0.16	AV	279.00	150	Vertical	Pass

A.8 Power Spectral Density (PSD)

Note: The total directional gain is greater than 6 dBi, so the maximum power spectral density shall be reduced by 1 dB for every 3 dB.

Test Data

SISO-Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.77	8
Middle	-13.31	8
High	-13.18	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.95	8
Middle	-11.74	8
High	-11.87	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.04	8
Middle	-10.83	8
High	-10.97	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.08	8
Middle	-12.15	8
High	-14.59	8

SISO-Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.72	8
Middle	-13.19	8
High	-13.56	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.33	8
Middle	-10.69	8
High	-10.71	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.05	8
Middle	-11.65	8
High	-10.59	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.26	8
Middle	-12.96	8
High	-10.38	8

MIMO-Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.58	7
Middle	-16.51	7
High	-15.16	7

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.47	7
Middle	-13.76	7
High	-14.51	7

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.59	8
Middle	-15.53	8
High	-15.26	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.63	8
Middle	-14.93	8
High	-18.10	8

MIMO-Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.76	7
Middle	-17.20	7
High	-16.47	7

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.53	7
Middle	-15.54	7
High	-14.32	7

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.57	8
Middle	-13.21	8
High	-11.70	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.29	8
Middle	-15.34	8
High	-17.01	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.66	7
Middle	-13.83	7
High	-12.76	7

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.72	7
Middle	-11.55	7
High	-11.40	7

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.46	8
Middle	-11.21	8
High	-10.12	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.94	8
Middle	-12.12	8
High	-14.51	8

Test Plots

SISO-Main Antenna

802.11b LOW CHANNEL



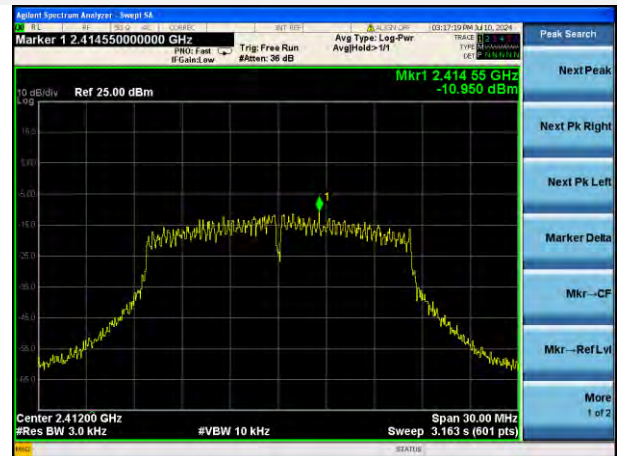
802.11b MIDDLE CHANNEL



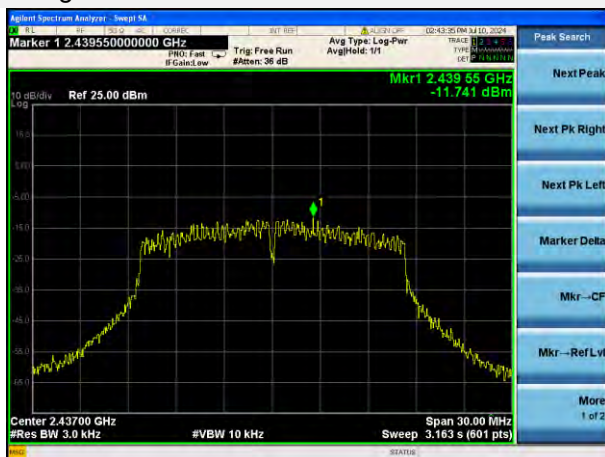
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



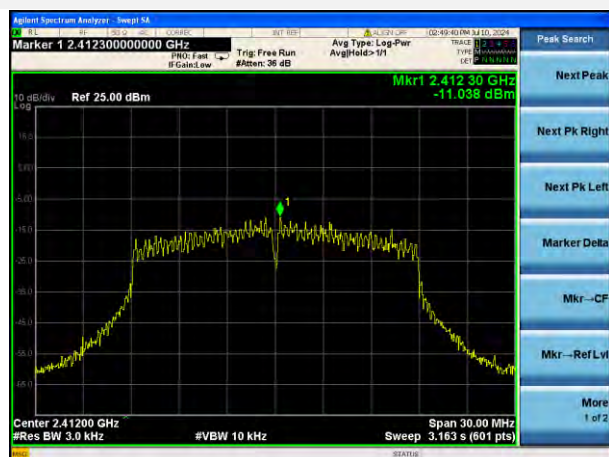
802.11g MIDDLE CHANNEL



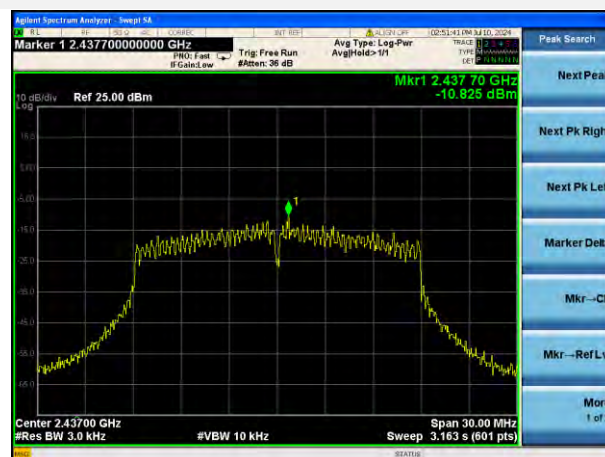
802.11g HIGH CHANNEL



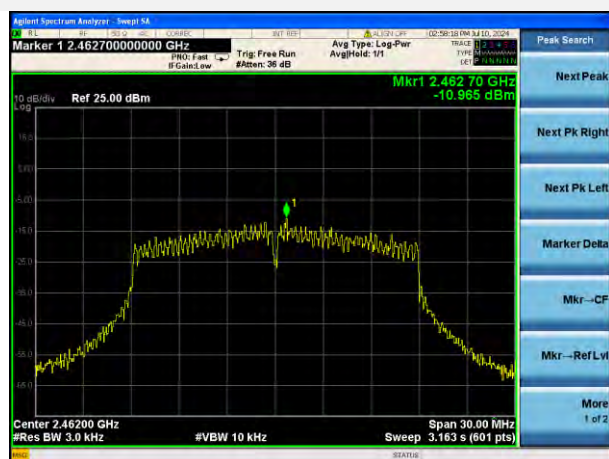
802.11n-20 MHz LOW CHANNEL



802.11n-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



SISO-Aux. Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



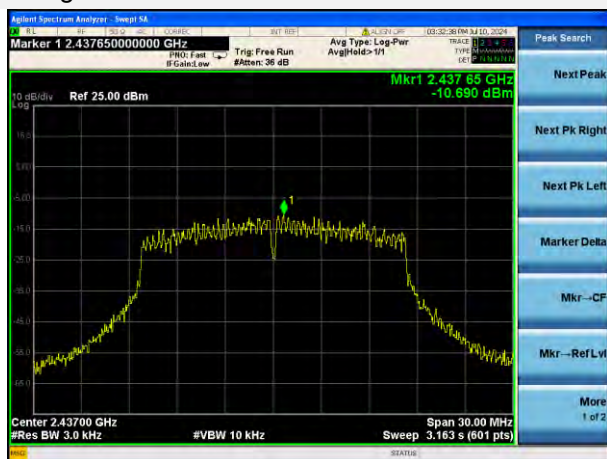
802.11b HIGH CHANNEL



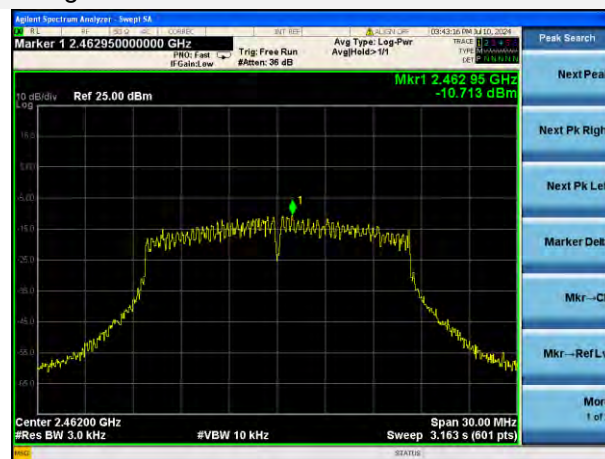
802.11g LOW CHANNEL



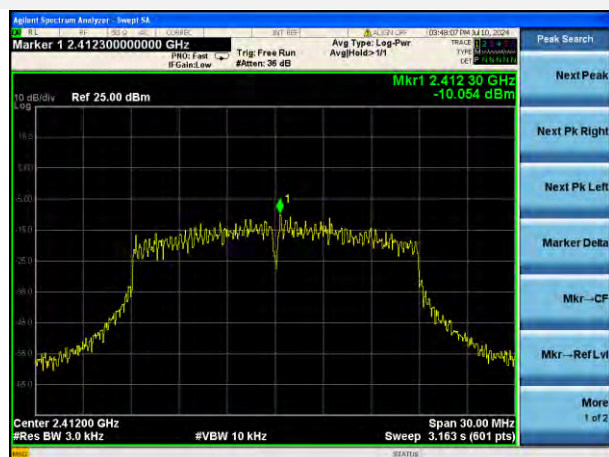
802.11g MIDDLE CHANNEL



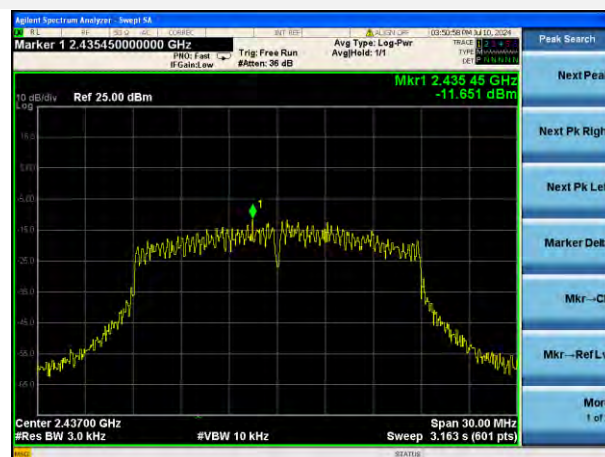
802.11g HIGH CHANNEL



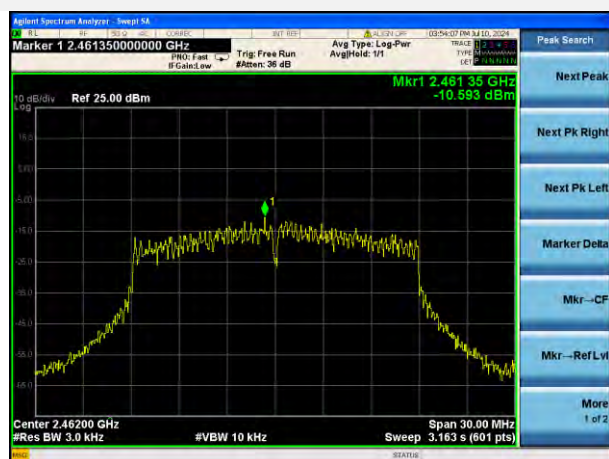
802.11n-20 MHz LOW CHANNEL



802.11n-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



MIMO-Main Antenna

802.11b LOW CHANNEL



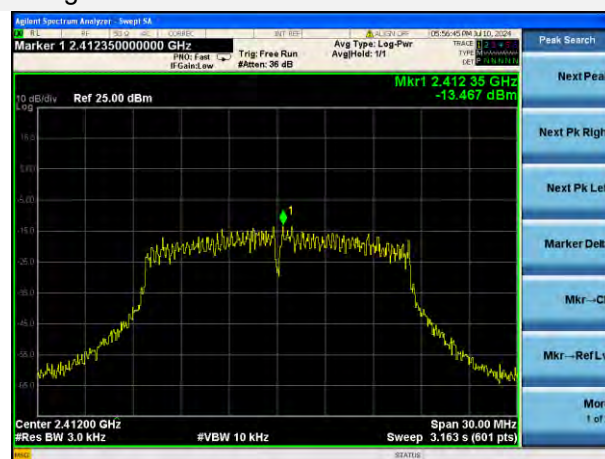
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



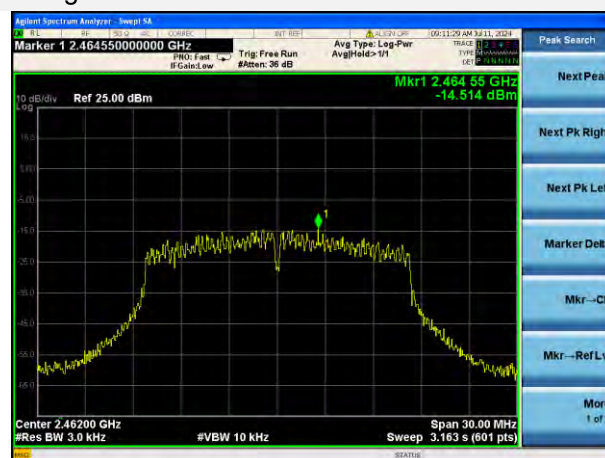
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



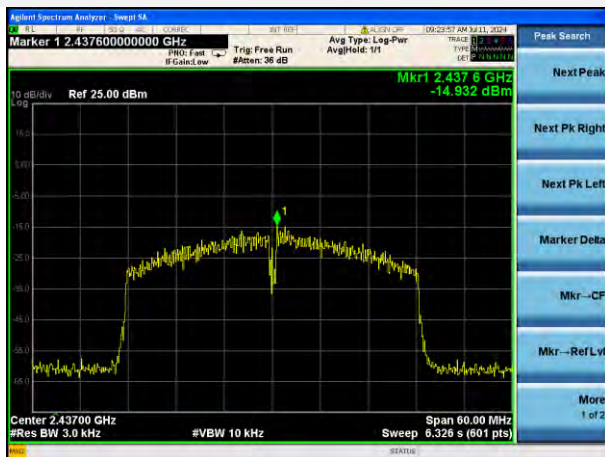
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



MIMO-Aux. Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



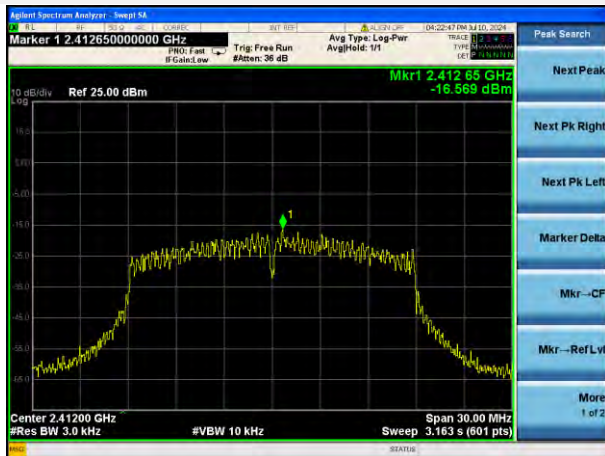
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



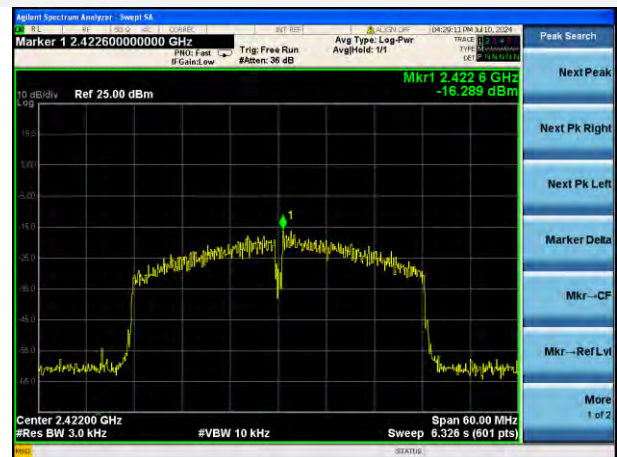
802.11n-20 MHz MIDDLE CHANNEL



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-SZ2470113-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2470113-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2470113-AI.PDF”.

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