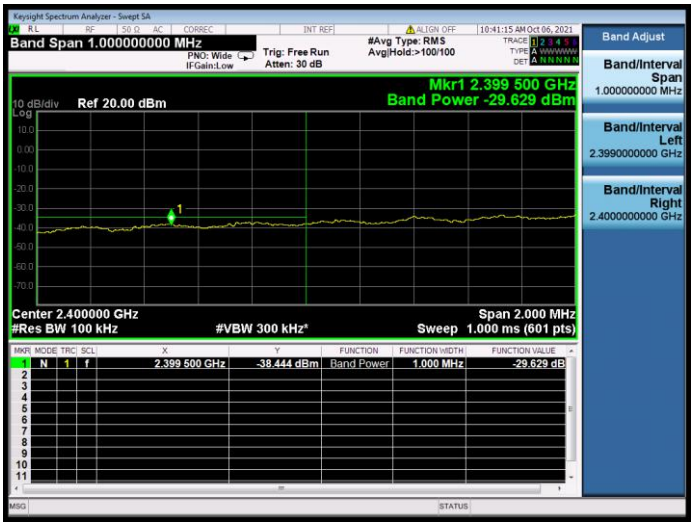
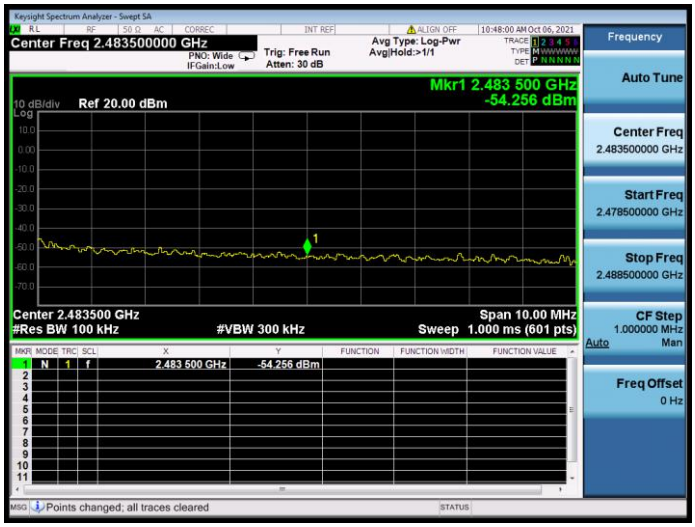
MIMO-Aux. Antenna

802.11n-20 MHz LOW CHANNEL, Carrier level

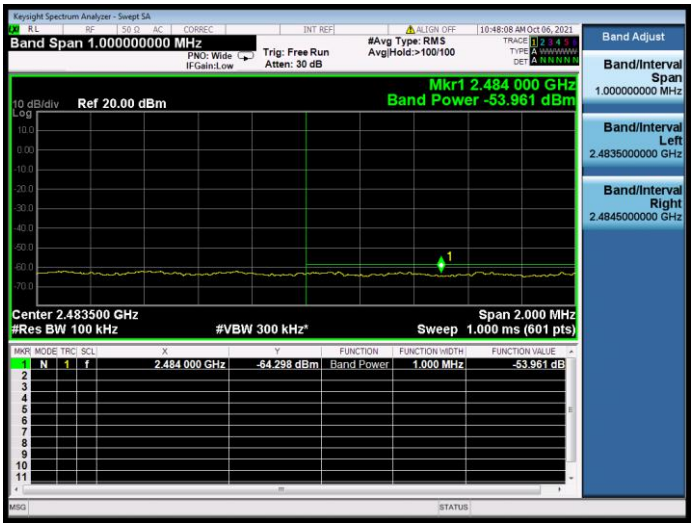
802.11n-20 MHz LOW CHANNEL, Reference level



802.11n-20 MHz HIGH CHANNEL, Carrier level

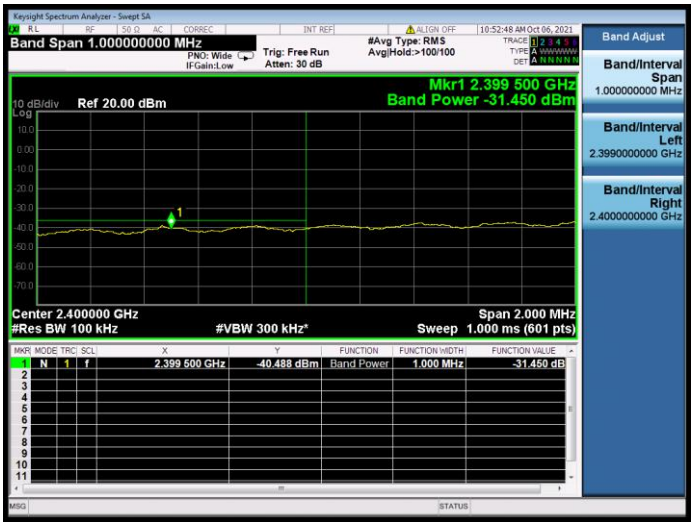


802.11n-20 MHz HIGH CHANNEL, Reference level

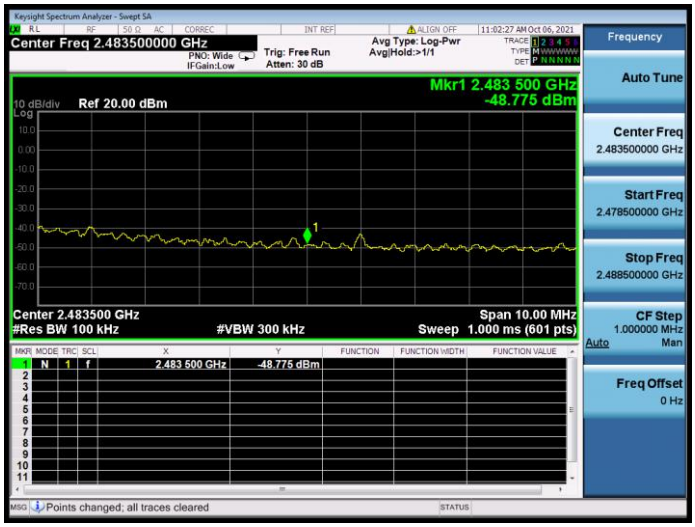


802.11n-40 MHz LOW CHANNEL, Carrier level

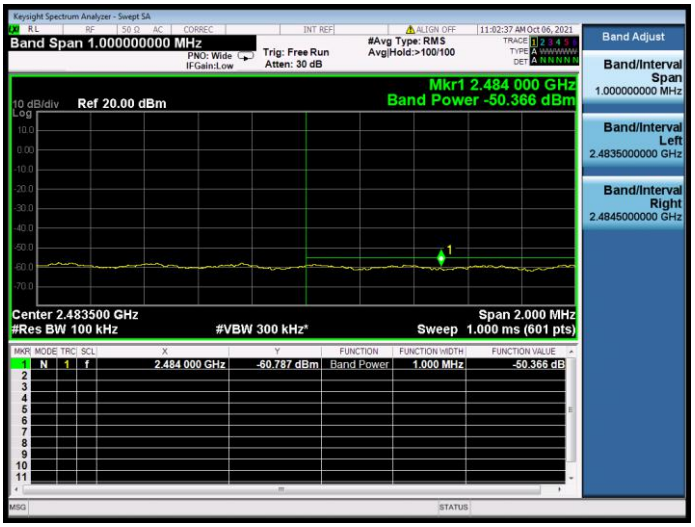
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level

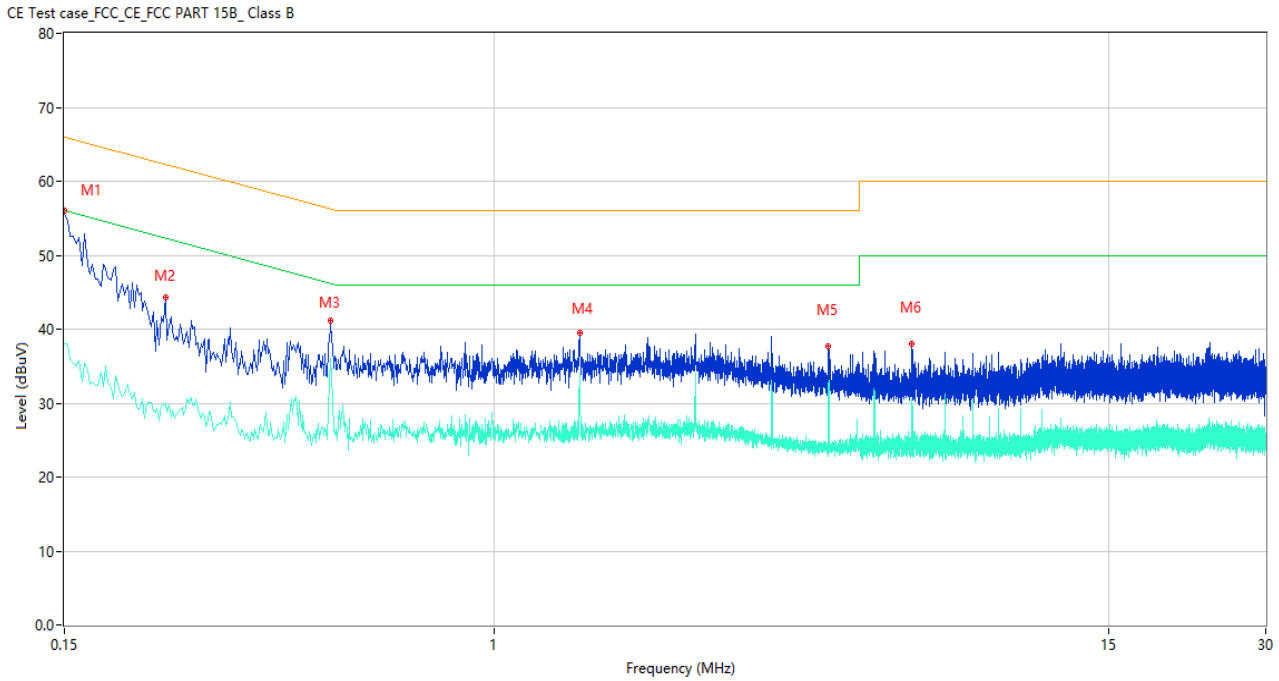


A.5 Conducted Emissions

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.

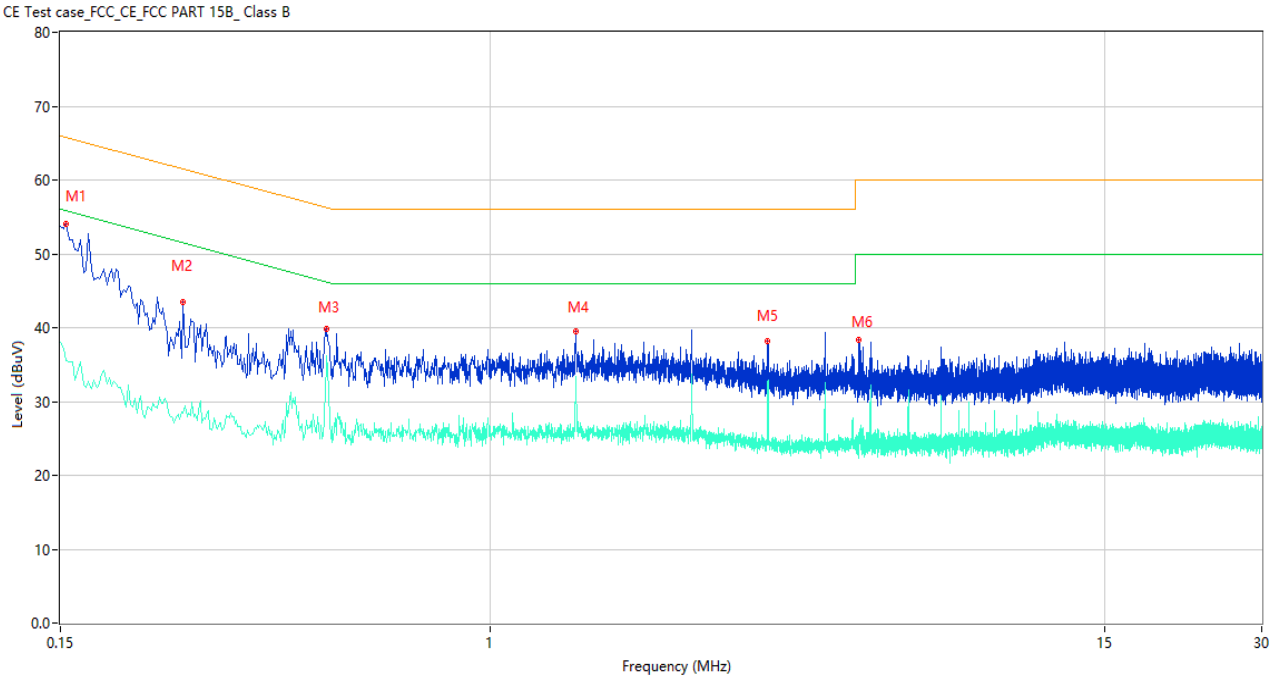
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	55.66	10.41	66.00	-10.34	Peak	L	Pass
1**	0.150	38.02	10.41	56.00	-17.98	AV	L	Pass
2	0.234	44.22	10.35	62.31	-18.09	Peak	L	Pass
2**	0.234	29.86	10.35	52.31	-22.45	AV	L	Pass
3	0.486	41.08	10.29	56.24	-15.16	Peak	L	Pass
3**	0.486	36.10	10.29	46.24	-10.14	AV	L	Pass
4	1.454	39.57	10.25	56.00	-16.43	Peak	L	Pass
4**	1.454	33.92	10.25	46.00	-12.08	AV	L	Pass
5	4.366	37.71	10.31	56.00	-18.29	Peak	L	Pass
5**	4.366	32.38	10.31	46.00	-13.62	AV	L	Pass
6	6.306	37.97	10.33	60.00	-22.03	Peak	L	Pass
6**	6.306	29.98	10.33	50.00	-20.02	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.154	54.02	10.41	65.78	-11.76	Peak	N	Pass
1**	0.154	35.60	10.41	55.78	-20.18	AV	N	Pass
2	0.258	43.41	10.34	61.50	-18.09	Peak	N	Pass
2**	0.258	28.50	10.34	51.50	-23.00	AV	N	Pass
3	0.486	39.91	10.29	56.24	-16.33	Peak	N	Pass
3**	0.486	36.19	10.29	46.24	-10.05	AV	N	Pass
4	1.458	39.52	10.25	56.00	-16.48	Peak	N	Pass
4**	1.458	33.42	10.25	46.00	-12.58	AV	N	Pass
5	3.396	38.11	10.27	56.00	-17.89	Peak	N	Pass
5**	3.396	30.72	10.27	46.00	-15.28	AV	N	Pass
6	5.076	38.38	10.31	60.00	-21.62	Peak	N	Pass
6**	5.076	25.44	10.31	50.00	-24.56	AV	N	Pass

A.6 Radiated Emission

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

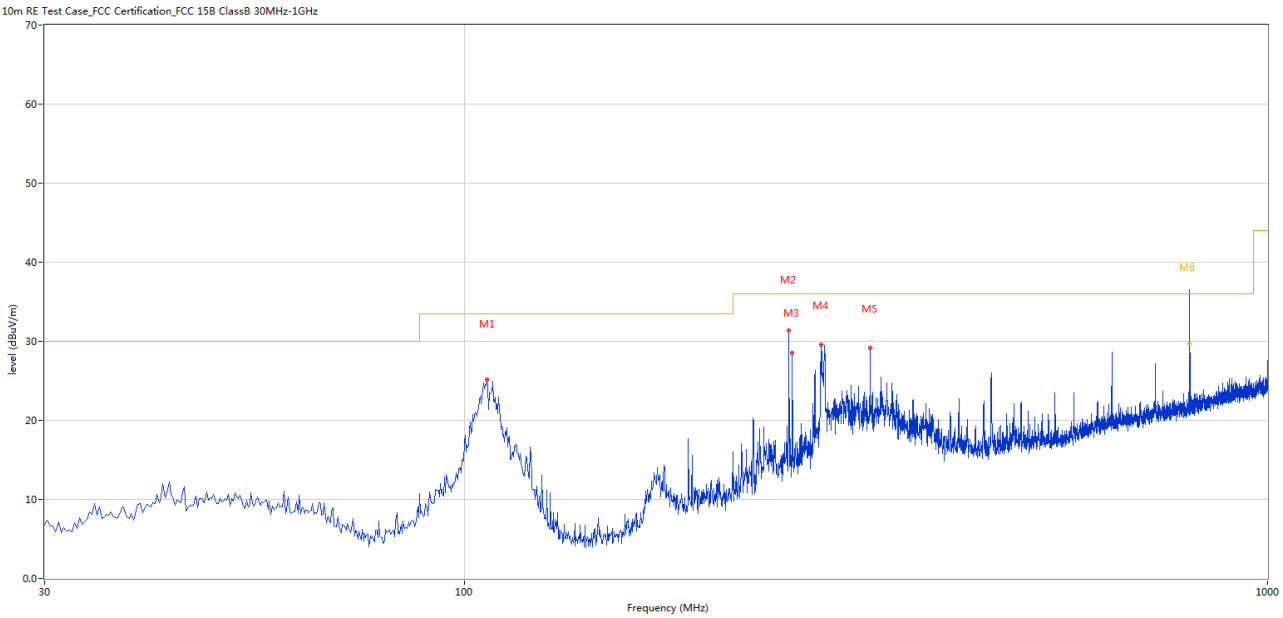
Note [2]: For the test data above 1 GHz，According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

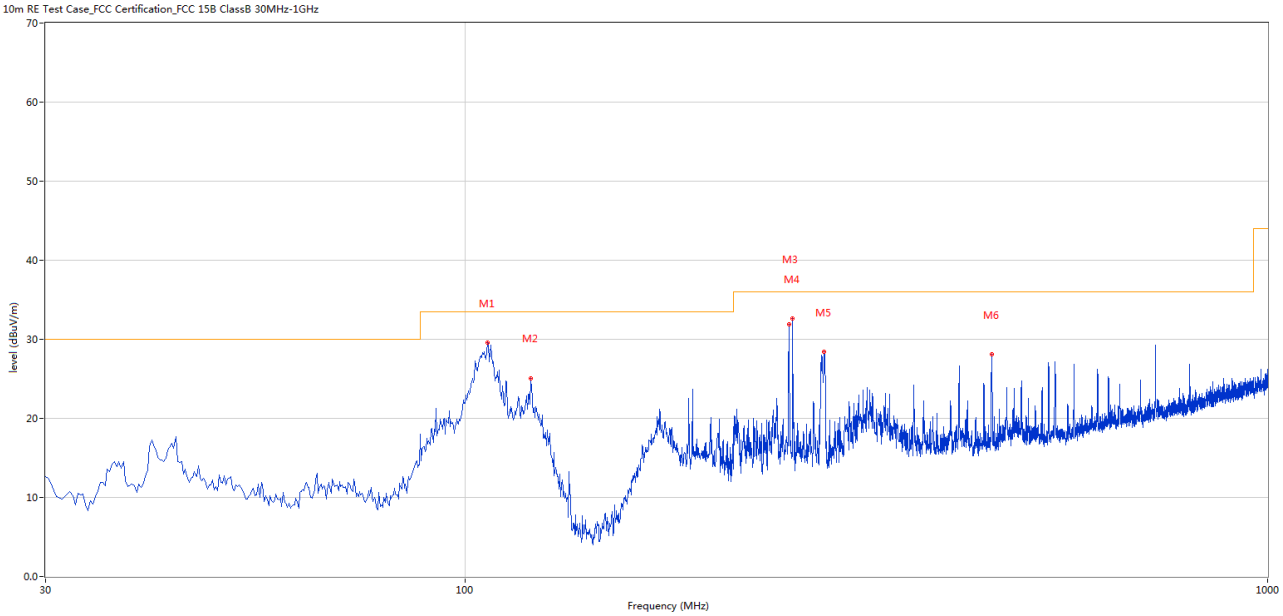
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	106.611	25.16	-27.91	33.5	-8.34	Peak	196.00	200	Horizontal	Pass
2	253.287	31.40	-26.24	36.0	-4.60	Peak	256.00	200	Horizontal	Pass
3	255.954	28.55	-26.23	36.0	-7.45	Peak	270.00	100	Horizontal	Pass
4	278.258	29.60	-25.59	36.0	-6.40	Peak	105.00	200	Horizontal	Pass
5	319.958	29.13	-24.63	36.0	-6.87	Peak	277.00	200	Horizontal	Pass
6	799.976	37.10	-14.53	36.0	1.10	Peak	360.00	112	Horizontal	N/A
6*	799.976	29.65	-14.53	36.0	-6.35	QP	360.00	112	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	106.611	29.55	-27.91	33.5	-3.95	Peak	85.00	100	Vertical	Pass
2	120.672	25.06	-29.97	33.5	-8.44	Peak	90.00	100	Vertical	Pass
3	253.287	31.94	-26.24	36.0	-4.06	Peak	360.00	200	Vertical	Pass
4	255.954	32.60	-26.23	36.0	-3.40	Peak	159.00	200	Vertical	Pass
5	280.197	28.41	-25.63	36.0	-7.59	Peak	360.00	200	Vertical	Pass
6	453.057	28.07	-21.53	36.0	-7.93	Peak	0.00	100	Vertical	Pass

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

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

Main Antenna

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1401.900	41.91	-17.42	74.0	-32.09	Peak	192.00	150	Horizontal	Pass
1**	1401.900	33.48	-17.42	54.0	-20.52	AV	192.00	150	Horizontal	Pass
2	2415.500	96.59	-12.25	74.0	22.59	Peak	252.00	150	Horizontal	N/A
2**	2415.500	92.98	-12.25	54.0	38.98	AV	252.00	150	Horizontal	N/A
3	3888.800	47.12	-5.47	74.0	-26.88	Peak	303.00	150	Horizontal	Pass
3**	3888.800	38.10	-5.47	54.0	-15.90	AV	303.00	150	Horizontal	Pass
4	6594.800	54.39	-0.98	74.0	-19.61	Peak	108.00	150	Horizontal	Pass
4**	6594.800	45.01	-0.98	54.0	-8.99	AV	108.00	150	Horizontal	Pass
5	10770.275	50.98	-0.58	74.0	-23.02	Peak	282.00	150	Horizontal	Pass
5**	10770.275	42.81	-0.58	54.0	-11.19	AV	282.00	150	Horizontal	Pass
6	17419.350	55.45	3.74	74.0	-18.55	Peak	175.00	150	Horizontal	Pass
6**	17419.350	47.66	3.74	54.0	-6.34	AV	175.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1169.700	40.98	-18.15	74.0	-33.02	Peak	56.00	150	Vertical	Pass
1**	1169.700	33.25	-18.15	54.0	-20.75	AV	56.00	150	Vertical	Pass
2	2415.800	95.96	-12.25	74.0	21.96	Peak	307.00	150	Vertical	N/A
2**	2415.800	92.86	-12.25	54.0	38.86	AV	307.00	150	Vertical	N/A
3	4824.200	49.41	-3.39	74.0	-24.59	Peak	149.00	150	Vertical	Pass
3**	4824.200	45.95	-3.39	54.0	-8.05	AV	149.00	150	Vertical	Pass
4	6686.600	53.72	-0.21	74.0	-20.28	Peak	203.00	150	Vertical	Pass
4**	6686.600	45.10	-0.21	54.0	-8.90	AV	203.00	150	Vertical	Pass
5	10968.651	51.58	-0.44	74.0	-22.42	Peak	0.00	150	Vertical	Pass
5**	10968.651	41.78	-0.44	54.0	-12.22	AV	0.00	150	Vertical	Pass
6	17481.300	56.25	2.69	74.0	-17.75	Peak	296.00	150	Vertical	Pass
6**	17481.300	45.77	2.69	54.0	-8.23	AV	296.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1405.300	41.84	-17.48	74.0	-32.16	Peak	213.00	150	Horizontal	Pass
1**	1405.300	30.98	-17.48	54.0	-23.02	AV	213.00	150	Horizontal	Pass
2	2440.600	95.90	-12.76	74.0	21.90	Peak	248.00	150	Horizontal	N/A
2**	2440.600	92.48	-12.76	54.0	38.48	AV	248.00	150	Horizontal	N/A
3	3673.200	46.39	-6.62	74.0	-27.61	Peak	59.00	150	Horizontal	Pass
3**	3673.200	37.76	-6.62	54.0	-16.24	AV	59.00	150	Horizontal	Pass
4	6694.000	53.72	-0.34	74.0	-20.28	Peak	333.00	150	Horizontal	Pass
4**	6694.000	44.86	-0.34	54.0	-9.14	AV	333.00	150	Horizontal	Pass
5	11888.650	52.73	1.59	74.0	-21.27	Peak	0.00	150	Horizontal	Pass
5**	11888.650	43.68	1.59	54.0	-10.32	AV	0.00	150	Horizontal	Pass
6	17422.762	55.76	3.68	74.0	-18.24	Peak	55.00	150	Horizontal	Pass
6**	17422.762	47.17	3.68	54.0	-6.83	AV	55.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1672.000	40.79	-17.53	74.0	-33.21	Peak	49.00	150	Vertical	Pass
1**	1672.000	32.31	-17.53	54.0	-21.69	AV	49.00	150	Vertical	Pass
2	2440.300	95.41	-12.72	74.0	21.41	Peak	310.00	150	Vertical	N/A
2**	2440.300	92.21	-12.72	54.0	38.21	AV	310.00	150	Vertical	N/A
3	4874.200	49.52	-3.35	74.0	-24.48	Peak	203.00	150	Vertical	Pass
3**	4874.200	44.97	-3.35	54.0	-9.03	AV	203.00	150	Vertical	Pass
4	6612.600	53.57	0.19	74.0	-20.43	Peak	299.00	150	Vertical	Pass
4**	6612.600	44.44	0.19	54.0	-9.56	AV	299.00	150	Vertical	Pass
5	11214.463	52.09	-0.19	74.0	-21.91	Peak	25.00	150	Vertical	Pass
5**	11214.463	42.82	-0.19	54.0	-11.18	AV	25.00	150	Vertical	Pass
6	17408.850	55.31	3.42	74.0	-18.69	Peak	93.00	150	Vertical	Pass
6**	17408.850	46.09	3.42	54.0	-7.91	AV	93.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1404.000	41.84	-17.45	74.0	-32.16	Peak	190.00	150	Horizontal	Pass
1**	1404.000	33.70	-17.45	54.0	-20.30	AV	190.00	150	Horizontal	Pass
2	2465.600	95.61	-12.71	74.0	21.61	Peak	86.00	150	Horizontal	N/A
2**	2465.600	92.49	-12.71	54.0	38.49	AV	86.00	150	Horizontal	N/A
3	3878.600	47.55	-5.68	74.0	-26.45	Peak	0.00	150	Horizontal	Pass
3**	3878.600	38.02	-5.68	54.0	-15.98	AV	0.00	150	Horizontal	Pass
4	6489.200	53.38	-1.94	74.0	-20.62	Peak	175.00	150	Horizontal	Pass
4**	6489.200	43.65	-1.94	54.0	-10.35	AV	175.00	150	Horizontal	Pass
5	10657.575	51.68	-0.64	74.0	-22.32	Peak	198.00	150	Horizontal	Pass
5**	10657.575	42.87	-0.64	54.0	-11.13	AV	198.00	150	Horizontal	Pass
6	16995.151	55.82	1.81	74.0	-18.18	Peak	334.00	150	Horizontal	Pass
6**	16995.151	44.83	1.81	54.0	-9.17	AV	334.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.500	40.76	-18.22	74.0	-33.24	Peak	171.00	150	Vertical	Pass
1**	1170.500	33.81	-18.22	54.0	-20.19	AV	171.00	150	Vertical	Pass
2	2465.800	95.71	-12.70	74.0	21.71	Peak	306.00	150	Vertical	N/A
2**	2465.800	92.41	-12.70	54.0	38.41	AV	306.00	150	Vertical	N/A
3	4924.200	50.56	-2.60	74.0	-23.44	Peak	207.00	150	Vertical	Pass
3**	4924.200	46.12	-2.60	54.0	-7.88	AV	207.00	150	Vertical	Pass
4	6985.400	54.29	0.52	74.0	-19.71	Peak	270.00	150	Vertical	Pass
4**	6985.400	45.12	0.52	54.0	-8.88	AV	270.00	150	Vertical	Pass
5	10869.750	51.43	-0.21	74.0	-22.57	Peak	294.00	150	Vertical	Pass
5**	10869.750	41.06	-0.21	54.0	-12.94	AV	294.00	150	Vertical	Pass
6	17091.225	55.74	1.52	74.0	-18.26	Peak	29.00	150	Vertical	Pass
6**	17091.225	45.36	1.52	54.0	-8.64	AV	29.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1401.300	41.25	-17.41	74.0	-32.75	Peak	199.00	150	Horizontal	Pass
1**	1401.300	31.73	-17.41	54.0	-22.27	AV	199.00	150	Horizontal	Pass
2	2415.300	99.24	-12.25	74.0	25.24	Peak	278.00	150	Horizontal	N/A
2**	2415.300	91.22	-12.25	54.0	37.22	AV	278.00	150	Horizontal	N/A
3	3888.400	46.93	-5.48	74.0	-27.07	Peak	90.00	150	Horizontal	Pass
3**	3888.400	37.60	-5.48	54.0	-16.40	AV	90.00	150	Horizontal	Pass
4	6994.400	53.80	0.24	74.0	-20.20	Peak	9.00	150	Horizontal	Pass
4**	6994.400	44.65	0.24	54.0	-9.35	AV	9.00	150	Horizontal	Pass
5	11188.300	51.90	-0.46	74.0	-22.10	Peak	209.00	150	Horizontal	Pass
5**	11188.300	41.96	-0.46	54.0	-12.04	AV	209.00	150	Horizontal	Pass
6	17414.887	55.53	3.63	74.0	-18.47	Peak	0.00	150	Horizontal	Pass
6**	17414.887	47.39	3.63	54.0	-6.61	AV	0.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1669.400	40.91	-17.42	74.0	-33.09	Peak	191.00	150	Vertical	Pass
1**	1669.400	31.89	-17.42	54.0	-22.11	AV	191.00	150	Vertical	Pass
2	2407.200	98.89	-12.30	74.0	24.89	Peak	309.00	150	Vertical	N/A
2**	2407.200	90.71	-12.30	54.0	36.71	AV	309.00	150	Vertical	N/A
3	3805.800	47.04	-5.56	74.0	-26.96	Peak	224.00	150	Vertical	Pass
3**	3805.800	37.30	-5.56	54.0	-16.70	AV	224.00	150	Vertical	Pass
4	6615.400	53.55	0.15	74.0	-20.45	Peak	280.00	150	Vertical	Pass
4**	6615.400	44.58	0.15	54.0	-9.42	AV	280.00	150	Vertical	Pass
5	11195.775	51.68	-0.36	74.0	-22.32	Peak	361.00	150	Vertical	Pass
5**	11195.775	42.38	-0.36	54.0	-11.62	AV	361.00	150	Vertical	Pass
6	15633.825	55.75	1.59	74.0	-18.25	Peak	268.00	150	Vertical	Pass
6**	15633.825	45.26	1.59	54.0	-8.74	AV	268.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1403.500	41.27	-17.43	74.0	-32.73	Peak	208.00	150	Horizontal	Pass
1**	1403.500	33.86	-17.43	54.0	-20.14	AV	208.00	150	Horizontal	Pass
2	2434.700	98.35	-12.85	74.0	24.35	Peak	273.00	150	Horizontal	N/A
2**	2434.700	91.20	-12.85	54.0	37.20	AV	273.00	150	Horizontal	N/A
3	3882.400	46.94	-5.55	74.0	-27.06	Peak	350.00	150	Horizontal	Pass
3**	3882.400	36.90	-5.55	54.0	-17.10	AV	350.00	150	Horizontal	Pass
4	6717.400	53.08	-1.09	74.0	-20.92	Peak	268.00	150	Horizontal	Pass
4**	6717.400	42.74	-1.09	54.0	-11.26	AV	268.00	150	Horizontal	Pass
5	10734.913	50.95	-0.77	74.0	-23.05	Peak	162.00	150	Horizontal	Pass
5**	10734.913	42.08	-0.77	54.0	-11.92	AV	162.00	150	Horizontal	Pass
6	17462.401	55.82	2.86	74.0	-18.18	Peak	105.00	150	Horizontal	Pass
6**	17462.401	46.67	2.86	54.0	-7.33	AV	105.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1169.400	41.00	-18.13	74.0	-33.00	Peak	190.00	150	Vertical	Pass
1**	1169.400	32.89	-18.13	54.0	-21.11	AV	190.00	150	Vertical	Pass
2	2439.200	98.26	-12.63	74.0	24.26	Peak	315.00	150	Vertical	N/A
2**	2439.200	91.71	-12.63	54.0	37.71	AV	315.00	150	Vertical	N/A
3	3852.800	47.19	-5.76	74.0	-26.81	Peak	220.00	150	Vertical	Pass
3**	3852.800	37.81	-5.76	54.0	-16.19	AV	220.00	150	Vertical	Pass
4	6684.400	53.96	-0.28	74.0	-20.04	Peak	155.00	150	Vertical	Pass
4**	6684.400	44.55	-0.28	54.0	-9.45	AV	155.00	150	Vertical	Pass
5	10787.812	51.15	-0.40	74.0	-22.85	Peak	284.00	150	Vertical	Pass
5**	10787.812	41.45	-0.40	54.0	-12.55	AV	284.00	150	Vertical	Pass
6	17417.511	55.02	3.70	74.0	-18.98	Peak	166.00	150	Vertical	Pass
6**	17417.511	46.61	3.70	54.0	-7.39	AV	166.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1858.600	45.29	-16.52	74.0	-28.71	Peak	210.00	150	Horizontal	Pass
1**	1858.600	35.97	-16.52	54.0	-18.03	AV	210.00	150	Horizontal	Pass
2	2457.900	98.77	-12.75	74.0	24.77	Peak	87.00	150	Horizontal	N/A
2**	2457.900	91.47	-12.75	54.0	37.47	AV	87.00	150	Horizontal	N/A
3	4026.800	47.22	-5.11	74.0	-26.78	Peak	294.00	150	Horizontal	Pass
3**	4026.800	37.21	-5.11	54.0	-16.79	AV	294.00	150	Horizontal	Pass
4	6621.600	53.81	-0.26	74.0	-20.19	Peak	172.00	150	Horizontal	Pass
4**	6621.600	44.06	-0.26	54.0	-9.94	AV	172.00	150	Horizontal	Pass
5	11201.812	52.42	-0.27	74.0	-21.58	Peak	56.00	150	Horizontal	Pass
5**	11201.812	42.18	-0.27	54.0	-11.82	AV	56.00	150	Horizontal	Pass
6	17413.575	57.03	3.58	74.0	-16.97	Peak	139.00	150	Horizontal	Pass
6**	17413.575	46.30	3.58	54.0	-7.70	AV	139.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1260.600	41.21	-17.50	74.0	-32.79	Peak	190.00	150	Vertical	Pass
1**	1260.600	33.53	-17.50	54.0	-20.47	AV	190.00	150	Vertical	Pass
2	2465.900	98.73	-12.70	74.0	24.73	Peak	302.00	150	Vertical	N/A
2**	2465.900	90.78	-12.70	54.0	36.78	AV	302.00	150	Vertical	N/A
3	3946.000	47.33	-5.13	74.0	-26.67	Peak	267.00	150	Vertical	Pass
3**	3946.000	37.09	-5.13	54.0	-16.91	AV	267.00	150	Vertical	Pass
4	6406.800	53.47	-0.80	74.0	-20.53	Peak	119.00	150	Vertical	Pass
4**	6406.800	44.05	-0.80	54.0	-9.95	AV	119.00	150	Vertical	Pass
5	10775.451	51.57	-0.55	74.0	-22.43	Peak	24.00	150	Vertical	Pass
5**	10775.451	42.01	-0.55	54.0	-11.99	AV	24.00	150	Vertical	Pass
6	17419.088	55.54	3.74	74.0	-18.46	Peak	0.00	150	Vertical	Pass
6**	17419.088	47.88	3.74	54.0	-6.12	AV	0.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.700	41.81	-17.45	74.0	-32.19	Peak	200.00	150	Horizontal	Pass
1**	1399.700	32.15	-17.45	54.0	-21.85	AV	200.00	150	Horizontal	Pass
2	2420.200	99.34	-12.37	74.0	25.34	Peak	243.00	150	Horizontal	N/A
2**	2420.200	91.48	-12.37	54.0	37.48	AV	243.00	150	Horizontal	N/A
3	3691.600	46.67	-5.87	74.0	-27.33	Peak	88.00	150	Horizontal	Pass
3**	3691.600	37.89	-5.87	54.0	-16.11	AV	88.00	150	Horizontal	Pass
4	6684.200	53.34	-0.30	74.0	-20.66	Peak	101.00	150	Horizontal	Pass
4**	6684.200	44.80	-0.30	54.0	-9.20	AV	101.00	150	Horizontal	Pass
5	10922.075	51.55	0.20	74.0	-22.45	Peak	0.00	150	Horizontal	Pass
5**	10922.075	41.48	0.20	54.0	-12.52	AV	0.00	150	Horizontal	Pass
6	17419.874	56.21	3.75	74.0	-17.79	Peak	3.00	150	Horizontal	Pass
6**	17419.874	46.62	3.75	54.0	-7.38	AV	3.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1168.900	40.35	-18.10	74.0	-33.65	Peak	346.00	150	Vertical	Pass
1**	1168.900	31.33	-18.10	54.0	-22.67	AV	346.00	150	Vertical	Pass
2	2409.500	98.57	-12.25	74.0	24.57	Peak	30.00	150	Vertical	N/A
2**	2409.500	91.55	-12.25	54.0	37.55	AV	30.00	150	Vertical	N/A
3	3945.800	48.13	-5.15	74.0	-25.87	Peak	155.00	150	Vertical	Pass
3**	3945.800	38.88	-5.15	54.0	-15.12	AV	155.00	150	Vertical	Pass
4	6686.600	53.84	-0.21	74.0	-20.16	Peak	199.00	150	Vertical	Pass
4**	6686.600	44.33	-0.21	54.0	-9.67	AV	199.00	150	Vertical	Pass
5	10489.388	50.97	-0.80	74.0	-23.03	Peak	197.00	150	Vertical	Pass
5**	10489.388	41.88	-0.80	54.0	-12.12	AV	197.00	150	Vertical	Pass
6	17455.313	55.40	2.84	74.0	-18.60	Peak	360.00	150	Vertical	Pass
6**	17455.313	46.05	2.84	54.0	-7.95	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.000	41.70	-17.47	74.0	-32.30	Peak	202.00	150	Horizontal	Pass
1**	1399.000	31.34	-17.47	54.0	-22.66	AV	202.00	150	Horizontal	Pass
2	2432.200	98.54	-12.83	74.0	24.54	Peak	289.00	150	Horizontal	N/A
2**	2432.200	91.10	-12.83	54.0	37.10	AV	289.00	150	Horizontal	N/A
3	3755.000	47.28	-6.68	74.0	-26.72	Peak	274.00	150	Horizontal	Pass
3**	3755.000	37.24	-6.68	54.0	-16.76	AV	274.00	150	Horizontal	Pass
4	6282.600	53.26	-0.23	74.0	-20.74	Peak	0.00	150	Horizontal	Pass
4**	6282.600	44.27	-0.23	54.0	-9.73	AV	0.00	150	Horizontal	Pass
5	10776.025	51.34	-0.54	74.0	-22.66	Peak	113.00	150	Horizontal	Pass
5**	10776.025	43.11	-0.54	54.0	-10.89	AV	113.00	150	Horizontal	Pass
6	16876.500	55.18	1.12	74.0	-18.82	Peak	264.00	150	Horizontal	Pass
6**	16876.500	44.97	1.12	54.0	-9.03	AV	264.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1672.400	40.72	-17.54	74.0	-33.28	Peak	21.00	150	Vertical	Pass
1**	1672.400	30.62	-17.54	54.0	-23.38	AV	21.00	150	Vertical	Pass
2	2440.900	97.57	-12.80	74.0	23.57	Peak	313.00	150	Vertical	N/A
2**	2440.900	90.73	-12.80	54.0	36.73	AV	313.00	150	Vertical	N/A
3	3949.600	47.73	-4.84	74.0	-26.27	Peak	134.00	150	Vertical	Pass
3**	3949.600	38.64	-4.84	54.0	-15.36	AV	134.00	150	Vertical	Pass
4	6744.600	53.77	-0.37	74.0	-20.23	Peak	48.00	150	Vertical	Pass
4**	6744.600	43.17	-0.37	54.0	-10.83	AV	48.00	150	Vertical	Pass
5	10771.713	51.80	-0.58	74.0	-22.20	Peak	360.00	150	Vertical	Pass
5**	10771.713	42.20	-0.58	54.0	-11.80	AV	360.00	150	Vertical	Pass
6	17471.588	55.92	2.88	74.0	-18.08	Peak	331.00	150	Vertical	Pass
6**	17471.588	46.60	2.88	54.0	-7.40	AV	331.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1403.400	43.01	-17.43	74.0	-30.99	Peak	194.00	150	Horizontal	Pass
1**	1403.400	34.36	-17.43	54.0	-19.64	AV	194.00	150	Horizontal	Pass
2	2461.100	98.62	-12.75	74.0	24.62	Peak	245.00	150	Horizontal	N/A
2**	2461.100	90.59	-12.75	54.0	36.59	AV	245.00	150	Horizontal	N/A
3	3961.400	48.11	-4.81	74.0	-25.89	Peak	199.00	150	Horizontal	Pass
3**	3961.400	38.67	-4.81	54.0	-15.33	AV	199.00	150	Horizontal	Pass
4	6740.000	53.47	-0.23	74.0	-20.53	Peak	309.00	150	Horizontal	Pass
4**	6740.000	44.16	-0.23	54.0	-9.84	AV	309.00	150	Horizontal	Pass
5	11202.099	51.69	-0.27	74.0	-22.31	Peak	28.00	150	Horizontal	Pass
5**	11202.099	42.08	-0.27	54.0	-11.92	AV	28.00	150	Horizontal	Pass
6	16804.312	56.06	0.90	74.0	-17.94	Peak	301.00	150	Horizontal	Pass
6**	16804.312	45.09	0.90	54.0	-8.91	AV	301.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1668.000	40.77	-17.34	74.0	-33.23	Peak	198.00	150	Vertical	Pass
1**	1668.000	31.77	-17.34	54.0	-22.23	AV	198.00	150	Vertical	Pass
2	2461.200	97.84	-12.75	74.0	23.84	Peak	300.00	150	Vertical	N/A
2**	2461.200	90.22	-12.75	54.0	36.22	AV	300.00	150	Vertical	N/A
3	3769.200	47.12	-6.27	74.0	-26.88	Peak	244.00	150	Vertical	Pass
3**	3769.200	39.01	-6.27	54.0	-14.99	AV	244.00	150	Vertical	Pass
4	5978.600	55.52	-1.41	74.0	-18.48	Peak	82.00	150	Vertical	Pass
4**	5978.600	42.86	-1.41	54.0	-11.14	AV	82.00	150	Vertical	Pass
5	10642.050	51.01	-0.88	74.0	-22.99	Peak	360.00	150	Vertical	Pass
5**	10642.050	41.90	-0.88	54.0	-12.10	AV	360.00	150	Vertical	Pass
6	17465.551	55.90	2.89	74.0	-18.10	Peak	197.00	150	Vertical	Pass
6**	17465.551	45.87	2.89	54.0	-8.13	AV	197.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1398.700	41.93	-17.48	74.0	-32.07	Peak	197.00	150	Horizontal	Pass
1**	1398.700	31.27	-17.48	54.0	-22.73	AV	197.00	150	Horizontal	Pass
2	2411.100	98.36	-12.25	74.0	24.36	Peak	242.00	150	Horizontal	N/A
2**	2411.100	91.20	-12.25	54.0	37.20	AV	242.00	150	Horizontal	N/A
3	3842.200	47.34	-5.05	74.0	-26.66	Peak	250.00	150	Horizontal	Pass
3**	3842.200	37.85	-5.05	54.0	-16.15	AV	250.00	150	Horizontal	Pass
4	6695.800	53.76	-0.49	74.0	-20.24	Peak	69.00	150	Horizontal	Pass
4**	6695.800	44.60	-0.49	54.0	-9.40	AV	69.00	150	Horizontal	Pass
5	11102.913	51.58	-0.96	74.0	-22.42	Peak	115.00	150	Horizontal	Pass
5**	11102.913	41.38	-0.96	54.0	-12.62	AV	115.00	150	Horizontal	Pass
6	17422.762	55.55	3.68	74.0	-18.45	Peak	88.00	150	Horizontal	Pass
6**	17422.762	47.05	3.68	54.0	-6.95	AV	88.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1260.700	41.49	-17.50	74.0	-32.51	Peak	180.00	150	Vertical	Pass
1**	1260.700	33.55	-17.50	54.0	-20.45	AV	180.00	150	Vertical	Pass
2	2430.000	96.85	-12.79	74.0	22.85	Peak	313.00	150	Vertical	N/A
2**	2430.000	89.69	-12.79	54.0	35.69	AV	313.00	150	Vertical	N/A
3	4063.800	48.25	-5.23	74.0	-25.75	Peak	239.00	150	Vertical	Pass
3**	4063.800	38.17	-5.23	54.0	-15.83	AV	239.00	150	Vertical	Pass
4	6613.800	53.38	0.18	74.0	-20.62	Peak	100.00	150	Vertical	Pass
4**	6613.800	43.80	0.18	54.0	-10.20	AV	100.00	150	Vertical	Pass
5	10592.312	51.37	-1.50	74.0	-22.63	Peak	220.00	150	Vertical	Pass
5**	10592.312	41.55	-1.50	54.0	-12.45	AV	220.00	150	Vertical	Pass
6	16261.724	55.62	1.22	74.0	-18.38	Peak	266.00	150	Vertical	Pass
6**	16261.724	45.61	1.22	54.0	-8.39	AV	266.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.100	41.75	-17.47	74.0	-32.25	Peak	194.00	150	Horizontal	Pass
1**	1399.100	31.62	-17.47	54.0	-22.38	AV	194.00	150	Horizontal	Pass
2	2444.900	98.05	-12.74	74.0	24.05	Peak	246.00	150	Horizontal	N/A
2**	2444.900	90.00	-12.74	54.0	36.00	AV	246.00	150	Horizontal	N/A
3	3954.600	48.17	-4.73	74.0	-25.83	Peak	255.00	150	Horizontal	Pass
3**	3954.600	38.21	-4.73	54.0	-15.79	AV	255.00	150	Horizontal	Pass
4	6688.800	53.64	-0.25	74.0	-20.36	Peak	0.00	150	Horizontal	Pass
4**	6688.800	44.35	-0.25	54.0	-9.65	AV	0.00	150	Horizontal	Pass
5	10330.974	51.50	0.02	74.0	-22.50	Peak	140.00	150	Horizontal	Pass
5**	10330.974	41.06	0.02	54.0	-12.94	AV	140.00	150	Horizontal	Pass
6	17409.901	55.29	3.44	74.0	-18.71	Peak	300.00	150	Horizontal	Pass
6**	17409.901	47.60	3.44	54.0	-6.40	AV	300.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1673.000	40.70	-17.51	74.0	-33.30	Peak	30.00	150	Vertical	Pass
1**	1673.000	30.54	-17.51	54.0	-23.46	AV	30.00	150	Vertical	Pass
2	2439.400	96.45	-12.64	74.0	22.45	Peak	314.00	150	Vertical	N/A
2**	2439.400	89.32	-12.64	54.0	35.32	AV	314.00	150	Vertical	N/A
3	3919.800	47.60	-5.38	74.0	-26.40	Peak	307.00	150	Vertical	Pass
3**	3919.800	37.68	-5.38	54.0	-16.32	AV	307.00	150	Vertical	Pass
4	6685.200	53.53	-0.19	74.0	-20.47	Peak	19.00	150	Vertical	Pass
4**	6685.200	44.66	-0.19	54.0	-9.34	AV	19.00	150	Vertical	Pass
5	11206.988	51.70	-0.25	74.0	-22.30	Peak	360.00	150	Vertical	Pass
5**	11206.988	42.44	-0.25	54.0	-11.56	AV	360.00	150	Vertical	Pass
6	17419.874	55.86	3.75	74.0	-18.14	Peak	235.00	150	Vertical	Pass
6**	17419.874	47.63	3.75	54.0	-6.37	AV	235.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1404.700	42.26	-17.46	74.0	-31.74	Peak	196.00	150	Horizontal	Pass
1**	1404.700	32.12	-17.46	54.0	-21.88	AV	196.00	150	Horizontal	Pass
2	2442.500	97.25	-12.88	74.0	23.25	Peak	239.00	150	Horizontal	N/A
2**	2442.500	89.24	-12.88	54.0	35.24	AV	239.00	150	Horizontal	N/A
3	4005.400	47.48	-5.14	74.0	-26.52	Peak	296.00	150	Horizontal	Pass
3**	4005.400	38.04	-5.14	54.0	-15.96	AV	296.00	150	Horizontal	Pass
4	6681.000	53.88	-0.52	74.0	-20.12	Peak	91.00	150	Horizontal	Pass
4**	6681.000	44.30	-0.52	54.0	-9.70	AV	91.00	150	Horizontal	Pass
5	10636.300	51.25	-0.98	74.0	-22.75	Peak	360.00	150	Horizontal	Pass
5**	10636.300	41.83	-0.98	54.0	-12.17	AV	360.00	150	Horizontal	Pass
6	16428.937	55.57	1.14	74.0	-18.43	Peak	334.00	150	Horizontal	Pass
6**	16428.937	45.83	1.14	54.0	-8.17	AV	334.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1403.500	40.11	-17.43	74.0	-33.89	Peak	141.00	150	Vertical	Pass
1**	1403.500	30.49	-17.43	54.0	-23.51	AV	141.00	150	Vertical	Pass
2	2460.100	97.34	-12.75	74.0	23.34	Peak	305.00	150	Vertical	N/A
2**	2460.100	88.87	-12.75	54.0	34.87	AV	305.00	150	Vertical	N/A
3	3942.600	48.34	-5.32	74.0	-25.66	Peak	191.00	150	Vertical	Pass
3**	3942.600	38.28	-5.32	54.0	-15.72	AV	191.00	150	Vertical	Pass
4	6679.600	53.88	-0.54	74.0	-20.12	Peak	137.00	150	Vertical	Pass
4**	6679.600	44.90	-0.54	54.0	-9.10	AV	137.00	150	Vertical	Pass
5	10546.312	51.23	-0.63	74.0	-22.77	Peak	0.00	150	Vertical	Pass
5**	10546.312	41.64	-0.63	54.0	-12.36	AV	0.00	150	Vertical	Pass
6	17423.813	55.75	3.65	74.0	-18.25	Peak	267.00	150	Vertical	Pass
6**	17423.813	47.15	3.65	54.0	-6.85	AV	267.00	150	Vertical	Pass

Aux. Antenna

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1861.400	44.36	-16.46	74.0	-29.64	Peak	207.00	150	Horizontal	Pass
1**	1861.400	33.65	-16.46	54.0	-20.35	AV	207.00	150	Horizontal	Pass
2	2415.300	96.05	-12.25	74.0	22.05	Peak	127.00	150	Horizontal	N/A
2**	2415.300	92.77	-12.25	54.0	38.77	AV	127.00	150	Horizontal	N/A
3	4041.600	48.84	-4.85	74.0	-25.16	Peak	350.00	150	Horizontal	Pass
3**	4041.600	38.32	-4.85	54.0	-15.68	AV	350.00	150	Horizontal	Pass
4	6255.600	53.12	-1.69	74.0	-20.88	Peak	192.00	150	Horizontal	Pass
4**	6255.600	43.50	-1.69	54.0	-10.50	AV	192.00	150	Horizontal	Pass
5	11063.525	51.98	-0.93	74.0	-22.02	Peak	182.00	150	Horizontal	Pass
5**	11063.525	41.29	-0.93	54.0	-12.71	AV	182.00	150	Horizontal	Pass
6	17428.275	55.71	3.51	74.0	-18.29	Peak	81.00	150	Horizontal	Pass
6**	17428.275	46.78	3.51	54.0	-7.22	AV	81.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1233.100	40.26	-17.84	74.0	-33.74	Peak	328.00	150	Vertical	Pass
1**	1233.100	29.35	-17.84	54.0	-24.65	AV	328.00	150	Vertical	Pass
2	2413.400	93.95	-12.26	74.0	19.95	Peak	65.00	150	Vertical	N/A
2**	2413.400	90.67	-12.26	54.0	36.67	AV	65.00	150	Vertical	N/A
3	4031.200	48.09	-5.05	74.0	-25.91	Peak	257.00	150	Vertical	Pass
3**	4031.200	38.12	-5.05	54.0	-15.88	AV	257.00	150	Vertical	Pass
4	6691.000	53.64	-0.29	74.0	-20.36	Peak	0.00	150	Vertical	Pass
4**	6691.000	45.13	-0.29	54.0	-8.87	AV	0.00	150	Vertical	Pass
5	10488.813	51.71	-0.80	74.0	-22.29	Peak	34.00	150	Vertical	Pass
5**	10488.813	42.33	-0.80	54.0	-11.67	AV	34.00	150	Vertical	Pass
6	16371.450	55.20	1.78	74.0	-18.80	Peak	210.00	150	Vertical	Pass
6**	16371.450	45.00	1.78	54.0	-9.00	AV	210.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1866.600	47.05	-16.55	74.0	-26.95	Peak	212.00	150	Horizontal	Pass
1**	1866.600	36.23	-16.55	54.0	-17.77	AV	212.00	150	Horizontal	Pass
2	2440.800	96.14	-12.79	74.0	22.14	Peak	119.00	150	Horizontal	N/A
2**	2440.800	92.72	-12.79	54.0	38.72	AV	119.00	150	Horizontal	N/A
3	3940.200	47.70	-5.48	74.0	-26.30	Peak	37.00	150	Horizontal	Pass
3**	3940.200	38.56	-5.48	54.0	-15.44	AV	37.00	150	Horizontal	Pass
4	6686.400	53.85	-0.21	74.0	-20.15	Peak	92.00	150	Horizontal	Pass
4**	6686.400	44.43	-0.21	54.0	-9.57	AV	92.00	150	Horizontal	Pass
5	11225.962	51.55	-0.23	74.0	-22.45	Peak	228.00	150	Horizontal	Pass
5**	11225.962	42.27	-0.23	54.0	-11.73	AV	228.00	150	Horizontal	Pass
6	17429.062	55.74	3.48	74.0	-18.26	Peak	2.00	150	Horizontal	Pass
6**	17429.062	47.43	3.48	54.0	-6.57	AV	2.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1861.800	43.75	-16.44	74.0	-30.25	Peak	171.00	150	Vertical	Pass
1**	1861.800	35.20	-16.44	54.0	-18.80	AV	171.00	150	Vertical	Pass
2	2440.200	94.63	-12.71	74.0	20.63	Peak	48.00	150	Vertical	N/A
2**	2440.200	91.63	-12.71	54.0	37.63	AV	48.00	150	Vertical	N/A
3	3962.000	48.41	-4.81	74.0	-25.59	Peak	115.00	150	Vertical	Pass
3**	3962.000	38.79	-4.81	54.0	-15.21	AV	115.00	150	Vertical	Pass
4	5974.000	55.56	-1.20	74.0	-18.44	Peak	143.00	150	Vertical	Pass
4**	5974.000	43.06	-1.20	54.0	-10.94	AV	143.00	150	Vertical	Pass
5	10648.662	51.68	-0.78	74.0	-22.32	Peak	115.00	150	Vertical	Pass
5**	10648.662	42.13	-0.78	54.0	-11.87	AV	115.00	150	Vertical	Pass
6	16825.838	55.39	0.88	74.0	-18.61	Peak	127.00	150	Vertical	Pass
6**	16825.838	44.87	0.88	54.0	-9.13	AV	127.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.300	41.83	-17.42	74.0	-32.17	Peak	199.00	150	Horizontal	Pass
1**	1402.300	31.85	-17.42	54.0	-22.15	AV	199.00	150	Horizontal	Pass
2	2466.000	96.26	-12.70	74.0	22.26	Peak	114.00	150	Horizontal	N/A
2**	2466.000	92.88	-12.70	54.0	38.88	AV	114.00	150	Horizontal	N/A
3	3691.000	47.77	-5.87	74.0	-26.23	Peak	173.00	150	Horizontal	Pass
3**	3691.000	37.86	-5.87	54.0	-16.14	AV	173.00	150	Horizontal	Pass
4	6611.800	53.54	0.19	74.0	-20.46	Peak	26.00	150	Horizontal	Pass
4**	6611.800	43.92	0.19	54.0	-10.08	AV	26.00	150	Horizontal	Pass
5	11232.862	52.10	-0.36	74.0	-21.90	Peak	292.00	150	Horizontal	Pass
5**	11232.862	42.35	-0.36	54.0	-11.65	AV	292.00	150	Horizontal	Pass
6	17419.350	55.55	3.74	74.0	-18.45	Peak	3.00	150	Horizontal	Pass
6**	17419.350	47.04	3.74	54.0	-6.96	AV	3.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1683.500	41.02	-17.36	74.0	-32.98	Peak	26.00	150	Vertical	Pass
1**	1683.500	34.34	-17.36	54.0	-19.66	AV	26.00	150	Vertical	Pass
2	2465.600	94.86	-12.71	74.0	20.86	Peak	91.00	150	Vertical	N/A
2**	2465.600	91.69	-12.71	54.0	37.69	AV	91.00	150	Vertical	N/A
3	4205.800	48.13	-5.21	74.0	-25.87	Peak	334.00	150	Vertical	Pass
3**	4205.800	38.91	-5.21	54.0	-15.09	AV	334.00	150	Vertical	Pass
4	6274.400	53.69	-0.23	74.0	-20.31	Peak	236.00	150	Vertical	Pass
4**	6274.400	45.25	-0.23	54.0	-8.75	AV	236.00	150	Vertical	Pass
5	11194.625	51.79	-0.38	74.0	-22.21	Peak	94.00	150	Vertical	Pass
5**	11194.625	42.01	-0.38	54.0	-11.99	AV	94.00	150	Vertical	Pass
6	17408.324	56.42	3.40	74.0	-17.58	Peak	333.00	150	Vertical	Pass
6**	17408.324	45.66	3.40	54.0	-8.34	AV	333.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1864.500	44.53	-16.56	74.0	-29.47	Peak	210.00	150	Horizontal	Pass
1**	1864.500	34.87	-16.56	54.0	-19.13	AV	210.00	150	Horizontal	Pass
2	2407.300	98.76	-12.30	74.0	24.76	Peak	96.00	150	Horizontal	N/A
2**	2407.300	91.28	-12.30	54.0	37.28	AV	96.00	150	Horizontal	N/A
3	3761.800	47.20	-6.40	74.0	-26.80	Peak	360.00	150	Horizontal	Pass
3**	3761.800	37.52	-6.40	54.0	-16.48	AV	360.00	150	Horizontal	Pass
4	6686.400	54.22	-0.21	74.0	-19.78	Peak	239.00	150	Horizontal	Pass
4**	6686.400	44.79	-0.21	54.0	-9.21	AV	239.00	150	Horizontal	Pass
5	10638.026	51.92	-0.94	74.0	-22.08	Peak	151.00	150	Horizontal	Pass
5**	10638.026	42.18	-0.94	54.0	-11.82	AV	151.00	150	Horizontal	Pass
6	17419.614	55.50	3.75	74.0	-18.50	Peak	82.00	150	Horizontal	Pass
6**	17419.614	46.89	3.75	54.0	-7.11	AV	82.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1674.500	41.70	-17.39	74.0	-32.30	Peak	29.00	150	Vertical	Pass
1**	1674.500	31.68	-17.39	54.0	-22.32	AV	29.00	150	Vertical	Pass
2	2408.800	97.61	-12.27	74.0	23.61	Peak	93.00	150	Vertical	N/A
2**	2408.800	90.58	-12.27	54.0	36.58	AV	93.00	150	Vertical	N/A
3	3949.000	47.53	-4.86	74.0	-26.47	Peak	292.00	150	Vertical	Pass
3**	3949.000	37.91	-4.86	54.0	-16.09	AV	292.00	150	Vertical	Pass
4	6686.600	53.02	-0.21	74.0	-20.98	Peak	319.00	150	Vertical	Pass
4**	6686.600	45.06	-0.21	54.0	-8.94	AV	319.00	150	Vertical	Pass
5	10638.888	51.21	-0.92	74.0	-22.79	Peak	260.00	150	Vertical	Pass
5**	10638.888	41.69	-0.92	54.0	-12.31	AV	260.00	150	Vertical	Pass
6	16833.713	55.50	1.01	74.0	-18.50	Peak	154.00	150	Vertical	Pass
6**	16833.713	45.91	1.01	54.0	-8.09	AV	154.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1683.300	41.52	-17.35	74.0	-32.48	Peak	194.00	150	Horizontal	Pass
1**	1683.300	32.39	-17.35	54.0	-21.61	AV	194.00	150	Horizontal	Pass
2	2437.800	98.52	-12.59	74.0	24.52	Peak	102.00	150	Horizontal	N/A
2**	2437.800	90.32	-12.59	54.0	36.32	AV	102.00	150	Horizontal	N/A
3	4187.400	49.78	-4.96	74.0	-24.22	Peak	333.00	150	Horizontal	Pass
3**	4187.400	38.35	-4.96	54.0	-15.65	AV	333.00	150	Horizontal	Pass
4	6683.600	53.64	-0.36	74.0	-20.36	Peak	138.00	150	Horizontal	Pass
4**	6683.600	45.47	-0.36	54.0	-8.53	AV	138.00	150	Horizontal	Pass
5	10539.700	51.59	-0.64	74.0	-22.41	Peak	96.00	150	Horizontal	Pass
5**	10539.700	41.46	-0.64	54.0	-12.54	AV	96.00	150	Horizontal	Pass
6	17410.163	56.30	3.45	74.0	-17.70	Peak	2.00	150	Horizontal	Pass
6**	17410.163	46.28	3.45	54.0	-7.72	AV	2.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1680.600	41.23	-17.55	74.0	-32.77	Peak	158.00	150	Vertical	Pass
1**	1680.600	31.12	-17.55	54.0	-22.88	AV	158.00	150	Vertical	Pass
2	2433.900	98.08	-12.88	74.0	24.08	Peak	62.00	150	Vertical	N/A
2**	2433.900	90.32	-12.88	54.0	36.32	AV	62.00	150	Vertical	N/A
3	4062.800	47.65	-5.17	74.0	-26.35	Peak	350.00	150	Vertical	Pass
3**	4062.800	38.82	-5.17	54.0	-15.18	AV	350.00	150	Vertical	Pass
4	6162.200	54.23	-1.71	74.0	-19.77	Peak	17.00	150	Vertical	Pass
4**	6162.200	43.38	-1.71	54.0	-10.62	AV	17.00	150	Vertical	Pass
5	10759.638	51.37	-0.69	74.0	-22.63	Peak	100.00	150	Vertical	Pass
5**	10759.638	41.76	-0.69	54.0	-12.24	AV	100.00	150	Vertical	Pass
6	17416.200	56.29	3.67	74.0	-17.71	Peak	360.00	150	Vertical	Pass
6**	17416.200	46.58	3.67	54.0	-7.42	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1404.300	41.73	-17.45	74.0	-32.27	Peak	187.00	150	Horizontal	Pass
1**	1404.300	33.99	-17.45	54.0	-20.01	AV	187.00	150	Horizontal	Pass
2	2466.100	98.67	-12.69	74.0	24.67	Peak	104.00	150	Horizontal	N/A
2**	2466.100	91.76	-12.69	54.0	37.76	AV	104.00	150	Horizontal	N/A
3	3833.600	46.92	-4.95	74.0	-27.08	Peak	360.00	150	Horizontal	Pass
3**	3833.600	38.64	-4.95	54.0	-15.36	AV	360.00	150	Horizontal	Pass
4	6671.600	53.76	-0.78	74.0	-20.24	Peak	117.00	150	Horizontal	Pass
4**	6671.600	44.56	-0.78	54.0	-9.44	AV	117.00	150	Horizontal	Pass
5	10696.674	51.15	-0.78	74.0	-22.85	Peak	105.00	150	Horizontal	Pass
5**	10696.674	41.75	-0.78	54.0	-12.25	AV	105.00	150	Horizontal	Pass
6	17182.050	56.07	2.62	74.0	-17.93	Peak	57.00	150	Horizontal	Pass
6**	17182.050	45.81	2.62	54.0	-8.19	AV	57.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1680.500	41.15	-17.55	74.0	-32.85	Peak	0.00	150	Vertical	Pass
1**	1680.500	30.58	-17.55	54.0	-23.42	AV	0.00	150	Vertical	Pass
2	2458.500	98.52	-12.75	74.0	24.52	Peak	101.00	150	Vertical	N/A
2**	2458.500	90.46	-12.75	54.0	36.46	AV	101.00	150	Vertical	N/A
3	3847.800	47.46	-5.43	74.0	-26.54	Peak	292.00	150	Vertical	Pass
3**	3847.800	38.89	-5.43	54.0	-15.11	AV	292.00	150	Vertical	Pass
4	6665.200	53.65	-0.86	74.0	-20.35	Peak	168.00	150	Vertical	Pass
4**	6665.200	43.79	-0.86	54.0	-10.21	AV	168.00	150	Vertical	Pass
5	10925.525	51.30	0.15	74.0	-22.70	Peak	278.00	150	Vertical	Pass
5**	10925.525	41.81	0.15	54.0	-12.19	AV	278.00	150	Vertical	Pass
6	17419.874	55.94	3.75	74.0	-18.06	Peak	3.00	150	Vertical	Pass
6**	17419.874	47.40	3.75	54.0	-6.60	AV	3.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1401.800	42.77	-17.41	74.0	-31.23	Peak	200.00	150	Horizontal	Pass
1**	1401.800	31.58	-17.41	54.0	-22.42	AV	200.00	150	Horizontal	Pass
2	2414.900	98.83	-12.26	74.0	24.83	Peak	93.00	150	Horizontal	N/A
2**	2414.900	91.72	-12.26	54.0	37.72	AV	93.00	150	Horizontal	N/A
3	3843.400	47.77	-5.16	74.0	-26.23	Peak	0.00	150	Horizontal	Pass
3**	3843.400	37.73	-5.16	54.0	-16.27	AV	0.00	150	Horizontal	Pass
4	6607.600	53.41	0.15	74.0	-20.59	Peak	32.00	150	Horizontal	Pass
4**	6607.600	44.91	0.15	54.0	-9.09	AV	32.00	150	Horizontal	Pass
5	11202.675	51.55	-0.27	74.0	-22.45	Peak	345.00	150	Horizontal	Pass
5**	11202.675	42.42	-0.27	54.0	-11.58	AV	345.00	150	Horizontal	Pass
6	17639.588	56.23	2.08	74.0	-17.77	Peak	217.00	150	Horizontal	Pass
6**	17639.588	45.23	2.08	54.0	-8.77	AV	217.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.100	42.44	-18.19	74.0	-31.56	Peak	190.00	150	Vertical	Pass
1**	1170.100	38.65	-18.19	54.0	-15.35	AV	190.00	150	Vertical	Pass
2	2416.300	97.61	-12.25	74.0	23.61	Peak	74.00	150	Vertical	N/A
2**	2416.300	90.05	-12.25	54.0	36.05	AV	74.00	150	Vertical	N/A
3	3952.400	48.15	-4.65	74.0	-25.85	Peak	349.00	150	Vertical	Pass
3**	3952.400	39.16	-4.65	54.0	-14.84	AV	349.00	150	Vertical	Pass
4	5975.000	55.53	-1.24	74.0	-18.47	Peak	146.00	150	Vertical	Pass
4**	5975.000	43.00	-1.24	54.0	-11.00	AV	146.00	150	Vertical	Pass
5	10704.725	51.57	-0.77	74.0	-22.43	Peak	344.00	150	Vertical	Pass
5**	10704.725	41.55	-0.77	54.0	-12.45	AV	344.00	150	Vertical	Pass
6	16586.699	55.64	0.91	74.0	-18.36	Peak	285.00	150	Vertical	Pass
6**	16586.699	44.68	0.91	54.0	-9.32	AV	285.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1405.000	41.27	-17.47	74.0	-32.73	Peak	188.00	150	Horizontal	Pass
1**	1405.000	33.17	-17.47	54.0	-20.83	AV	188.00	150	Horizontal	Pass
2	2431.600	98.28	-12.80	74.0	24.28	Peak	124.00	150	Horizontal	N/A
2**	2431.600	91.59	-12.80	54.0	37.59	AV	124.00	150	Horizontal	N/A
3	3663.400	46.44	-6.83	74.0	-27.56	Peak	51.00	150	Horizontal	Pass
3**	3663.400	38.01	-6.83	54.0	-15.99	AV	51.00	150	Horizontal	Pass
4	6684.400	53.57	-0.28	74.0	-20.43	Peak	155.00	150	Horizontal	Pass
4**	6684.400	45.17	-0.28	54.0	-8.83	AV	155.00	150	Horizontal	Pass
5	10773.151	51.45	-0.57	74.0	-22.55	Peak	286.00	150	Horizontal	Pass
5**	10773.151	42.33	-0.57	54.0	-11.67	AV	286.00	150	Horizontal	Pass
6	17415.676	56.51	3.65	74.0	-17.49	Peak	172.00	150	Horizontal	Pass
6**	17415.676	46.60	3.65	54.0	-7.40	AV	172.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1680.600	41.08	-17.55	74.0	-32.92	Peak	21.00	150	Vertical	Pass
1**	1680.600	31.54	-17.55	54.0	-22.46	AV	21.00	150	Vertical	Pass
2	2433.700	97.49	-12.88	74.0	23.49	Peak	59.00	150	Vertical	N/A
2**	2433.700	89.60	-12.88	54.0	35.60	AV	59.00	150	Vertical	N/A
3	3973.400	48.08	-5.34	74.0	-25.92	Peak	192.00	150	Vertical	Pass
3**	3973.400	38.57	-5.34	54.0	-15.43	AV	192.00	150	Vertical	Pass
4	6613.000	54.34	0.19	74.0	-19.66	Peak	220.00	150	Vertical	Pass
4**	6613.000	44.02	0.19	54.0	-9.98	AV	220.00	150	Vertical	Pass
5	10815.988	51.15	0.09	74.0	-22.85	Peak	20.00	150	Vertical	Pass
5**	10815.988	41.60	0.09	54.0	-12.40	AV	20.00	150	Vertical	Pass
6	17420.663	55.71	3.74	74.0	-18.29	Peak	254.00	150	Vertical	Pass
6**	17420.663	46.51	3.74	54.0	-7.49	AV	254.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.900	40.99	-17.42	74.0	-33.01	Peak	191.00	150	Horizontal	Pass
1**	1402.900	32.22	-17.42	54.0	-21.78	AV	191.00	150	Horizontal	Pass
2	2463.100	97.90	-12.80	74.0	23.90	Peak	103.00	150	Horizontal	N/A
2**	2463.100	90.93	-12.80	54.0	36.93	AV	103.00	150	Horizontal	N/A
3	3978.200	48.27	-5.56	74.0	-25.73	Peak	96.00	150	Horizontal	Pass
3**	3978.200	38.34	-5.56	54.0	-15.66	AV	96.00	150	Horizontal	Pass
4	6615.200	53.68	0.18	74.0	-20.32	Peak	96.00	150	Horizontal	Pass
4**	6615.200	44.58	0.18	54.0	-9.42	AV	96.00	150	Horizontal	Pass
5	10752.162	51.29	-0.73	74.0	-22.71	Peak	120.00	150	Horizontal	Pass
5**	10752.162	41.49	-0.73	54.0	-12.51	AV	120.00	150	Horizontal	Pass
6	17417.775	56.59	3.70	74.0	-17.41	Peak	3.00	150	Horizontal	Pass
6**	17417.775	46.53	3.70	54.0	-7.47	AV	3.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.300	40.98	-18.20	74.0	-33.02	Peak	175.00	150	Vertical	Pass
1**	1170.300	36.00	-18.20	54.0	-18.00	AV	175.00	150	Vertical	Pass
2	2466.000	97.72	-12.70	74.0	23.72	Peak	61.00	150	Vertical	N/A
2**	2466.000	90.59	-12.70	54.0	36.59	AV	61.00	150	Vertical	N/A
3	3824.800	47.10	-5.31	74.0	-26.90	Peak	313.00	150	Vertical	Pass
3**	3824.800	37.43	-5.31	54.0	-16.57	AV	313.00	150	Vertical	Pass
4	6798.400	53.84	-0.88	74.0	-20.16	Peak	244.00	150	Vertical	Pass
4**	6798.400	43.62	-0.88	54.0	-10.38	AV	244.00	150	Vertical	Pass
5	10771.425	51.53	-0.58	74.0	-22.47	Peak	36.00	150	Vertical	Pass
5**	10771.425	42.25	-0.58	54.0	-11.75	AV	36.00	150	Vertical	Pass
6	16354.912	56.63	1.54	74.0	-17.37	Peak	360.00	150	Vertical	Pass
6**	16354.912	44.99	1.54	54.0	-9.01	AV	360.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.000	41.69	-17.42	74.0	-32.31	Peak	195.00	150	Horizontal	Pass
1**	1402.000	30.72	-17.42	54.0	-23.28	AV	195.00	150	Horizontal	Pass
2	2429.700	97.36	-12.79	74.0	23.36	Peak	100.00	150	Horizontal	N/A
2**	2429.700	89.61	-12.79	54.0	35.61	AV	100.00	150	Horizontal	N/A
3	3665.000	46.63	-6.83	74.0	-27.37	Peak	259.00	150	Horizontal	Pass
3**	3665.000	37.59	-6.83	54.0	-16.41	AV	259.00	150	Horizontal	Pass
4	6602.600	53.49	-0.12	74.0	-20.51	Peak	200.00	150	Horizontal	Pass
4**	6602.600	44.39	-0.12	54.0	-9.61	AV	200.00	150	Horizontal	Pass
5	11273.975	52.44	-0.17	74.0	-21.56	Peak	309.00	150	Horizontal	Pass
5**	11273.975	42.21	-0.17	54.0	-11.79	AV	309.00	150	Horizontal	Pass
6	17465.287	55.34	2.89	74.0	-18.66	Peak	334.00	150	Horizontal	Pass
6**	17465.287	47.32	2.89	54.0	-6.68	AV	334.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.700	40.36	-18.24	74.0	-33.64	Peak	180.00	150	Vertical	Pass
1**	1170.700	33.93	-18.24	54.0	-20.07	AV	180.00	150	Vertical	Pass
2	2417.900	95.57	-12.25	74.0	21.57	Peak	58.00	150	Vertical	N/A
2**	2417.900	87.49	-12.25	54.0	33.49	AV	58.00	150	Vertical	N/A
3	3791.200	47.39	-6.23	74.0	-26.61	Peak	19.00	150	Vertical	Pass
3**	3791.200	37.34	-6.23	54.0	-16.66	AV	19.00	150	Vertical	Pass
4	6739.800	53.83	-0.22	74.0	-20.17	Peak	0.00	150	Vertical	Pass
4**	6739.800	43.73	-0.22	54.0	-10.27	AV	0.00	150	Vertical	Pass
5	10652.687	51.32	-0.70	74.0	-22.68	Peak	17.00	150	Vertical	Pass
5**	10652.687	42.89	-0.70	54.0	-11.11	AV	17.00	150	Vertical	Pass
6	17416.989	55.62	3.69	74.0	-18.38	Peak	332.00	150	Vertical	Pass
6**	17416.989	47.02	3.69	54.0	-6.98	AV	332.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1400.300	41.84	-17.42	74.0	-32.16	Peak	200.00	150	Horizontal	Pass
1**	1400.300	32.76	-17.42	54.0	-21.24	AV	200.00	150	Horizontal	Pass
2	2430.200	97.07	-12.79	74.0	23.07	Peak	105.00	150	Horizontal	N/A
2**	2430.200	88.67	-12.79	54.0	34.67	AV	105.00	150	Horizontal	N/A
3	4467.000	50.43	-3.69	74.0	-23.57	Peak	360.00	150	Horizontal	Pass
3**	4467.000	39.81	-3.69	54.0	-14.19	AV	360.00	150	Horizontal	Pass
4	6768.000	53.57	-1.22	74.0	-20.43	Peak	279.00	150	Horizontal	Pass
4**	6768.000	43.98	-1.22	54.0	-10.02	AV	279.00	150	Horizontal	Pass
5	10758.776	51.42	-0.69	74.0	-22.58	Peak	193.00	150	Horizontal	Pass
5**	10758.776	41.46	-0.69	54.0	-12.54	AV	193.00	150	Horizontal	Pass
6	17036.364	55.62	1.47	74.0	-18.38	Peak	360.00	150	Horizontal	Pass
6**	17036.364	45.75	1.47	54.0	-8.25	AV	360.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1169.000	39.88	-18.10	74.0	-34.12	Peak	342.00	150	Vertical	Pass
1**	1169.000	30.35	-18.10	54.0	-23.65	AV	342.00	150	Vertical	Pass
2	2444.900	95.41	-12.74	74.0	21.41	Peak	47.00	150	Vertical	N/A
2**	2444.900	87.74	-12.74	54.0	33.74	AV	47.00	150	Vertical	N/A
3	3825.400	47.41	-5.28	74.0	-26.59	Peak	360.00	150	Vertical	Pass
3**	3825.400	38.01	-5.28	54.0	-15.99	AV	360.00	150	Vertical	Pass
4	6403.000	53.67	-0.96	74.0	-20.33	Peak	163.00	150	Vertical	Pass
4**	6403.000	43.57	-0.96	54.0	-10.43	AV	163.00	150	Vertical	Pass
5	10656.137	51.78	-0.65	74.0	-22.22	Peak	338.00	150	Vertical	Pass
5**	10656.137	44.16	-0.65	54.0	-9.84	AV	338.00	150	Vertical	Pass
6	17422.762	55.69	3.68	74.0	-18.31	Peak	262.00	150	Vertical	Pass
6**	17422.762	46.92	3.68	54.0	-7.08	AV	262.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.700	42.21	-17.42	74.0	-31.79	Peak	202.00	150	Horizontal	Pass
1**	1402.700	31.48	-17.42	54.0	-22.52	AV	202.00	150	Horizontal	Pass
2	2445.300	97.71	-12.72	74.0	23.71	Peak	99.00	150	Horizontal	N/A
2**	2445.300	89.49	-12.72	54.0	35.49	AV	99.00	150	Horizontal	N/A
3	3679.800	47.38	-6.30	74.0	-26.62	Peak	44.00	150	Horizontal	Pass
3**	3679.800	37.31	-6.30	54.0	-16.69	AV	44.00	150	Horizontal	Pass
4	6270.400	53.59	-0.33	74.0	-20.41	Peak	307.00	150	Horizontal	Pass
4**	6270.400	44.33	-0.33	54.0	-9.67	AV	307.00	150	Horizontal	Pass
5	10640.612	51.72	-0.89	74.0	-22.28	Peak	104.00	150	Horizontal	Pass
5**	10640.612	42.78	-0.89	54.0	-11.22	AV	104.00	150	Horizontal	Pass
6	17460.300	56.01	2.84	74.0	-17.99	Peak	292.00	150	Horizontal	Pass
6**	17460.300	46.36	2.84	54.0	-7.64	AV	292.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1684.500	40.54	-17.40	74.0	-33.46	Peak	25.00	150	Vertical	Pass
1**	1684.500	30.22	-17.40	54.0	-23.78	AV	25.00	150	Vertical	Pass
2	2463.900	96.47	-12.77	74.0	22.47	Peak	94.00	150	Vertical	N/A
2**	2463.900	88.27	-12.77	54.0	34.27	AV	94.00	150	Vertical	N/A
3	3903.800	47.64	-5.94	74.0	-26.36	Peak	101.00	150	Vertical	Pass
3**	3903.800	38.29	-5.94	54.0	-15.71	AV	101.00	150	Vertical	Pass
4	6612.200	53.25	0.19	74.0	-20.75	Peak	360.00	150	Vertical	Pass
4**	6612.200	43.96	0.19	54.0	-10.04	AV	360.00	150	Vertical	Pass
5	10560.113	51.76	-0.70	74.0	-22.24	Peak	0.00	150	Vertical	Pass
5**	10560.113	41.39	-0.70	54.0	-12.61	AV	0.00	150	Vertical	Pass
6	17421.449	55.52	3.72	74.0	-18.48	Peak	226.00	150	Vertical	Pass
6**	17421.449	46.83	3.72	54.0	-7.17	AV	226.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1864.000	44.24	-16.54	74.0	-29.76	Peak	211.00	150	Horizontal	Pass
1**	1864.000	34.52	-16.54	54.0	-19.48	AV	211.00	150	Horizontal	Pass
2	2403.500	99.49	-12.27	74.0	25.49	Peak	241.00	150	Horizontal	N/A
2**	2403.500	91.74	-12.27	54.0	37.74	AV	241.00	150	Horizontal	N/A
3	3771.000	46.91	-6.21	74.0	-27.09	Peak	221.00	150	Horizontal	Pass
3**	3771.000	37.16	-6.21	54.0	-16.84	AV	221.00	150	Horizontal	Pass
4	6685.600	54.14	-0.19	74.0	-19.86	Peak	7.00	150	Horizontal	Pass
4**	6685.600	44.25	-0.19	54.0	-9.75	AV	7.00	150	Horizontal	Pass
5	10633.138	51.61	-1.04	74.0	-22.39	Peak	360.00	150	Horizontal	Pass
5**	10633.138	41.44	-1.04	54.0	-12.56	AV	360.00	150	Horizontal	Pass
6	17415.150	55.97	3.64	74.0	-18.03	Peak	84.00	150	Horizontal	Pass
6**	17415.150	47.32	3.64	54.0	-6.68	AV	84.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1671.200	41.14	-17.53	74.0	-32.86	Peak	31.00	150	Vertical	Pass
1**	1671.200	31.23	-17.53	54.0	-22.77	AV	31.00	150	Vertical	Pass
2	2410.200	99.30	-12.24	74.0	25.30	Peak	40.00	150	Vertical	N/A
2**	2410.200	92.71	-12.24	54.0	38.71	AV	40.00	150	Vertical	N/A
3	3477.000	46.23	-7.45	74.0	-27.77	Peak	105.00	150	Vertical	Pass
3**	3477.000	36.55	-7.45	54.0	-17.45	AV	105.00	150	Vertical	Pass
4	6871.600	53.75	-1.59	74.0	-20.25	Peak	249.00	150	Vertical	Pass
4**	6871.600	43.86	-1.59	54.0	-10.14	AV	249.00	150	Vertical	Pass
5	10656.713	51.48	-0.65	74.0	-22.52	Peak	360.00	150	Vertical	Pass
5**	10656.713	42.11	-0.65	54.0	-11.89	AV	360.00	150	Vertical	Pass
6	17021.925	55.79	1.52	74.0	-18.21	Peak	3.00	150	Vertical	Pass
6**	17021.925	45.89	1.52	54.0	-8.11	AV	3.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1859.900	44.64	-16.56	74.0	-29.36	Peak	208.00	150	Horizontal	Pass
1**	1859.900	36.45	-16.56	54.0	-17.55	AV	208.00	150	Horizontal	Pass
2	2432.200	98.94	-12.83	74.0	24.94	Peak	117.00	150	Horizontal	N/A
2**	2432.200	91.44	-12.83	54.0	37.44	AV	117.00	150	Horizontal	N/A
3	3865.800	48.79	-6.03	74.0	-25.21	Peak	150.00	150	Horizontal	Pass
3**	3865.800	37.93	-6.03	54.0	-16.07	AV	150.00	150	Horizontal	Pass
4	6423.600	53.84	-0.83	74.0	-20.16	Peak	30.00	150	Horizontal	Pass
4**	6423.600	43.35	-0.83	54.0	-10.65	AV	30.00	150	Horizontal	Pass
5	10713.925	51.18	-0.74	74.0	-22.82	Peak	119.00	150	Horizontal	Pass
5**	10713.925	42.08	-0.74	54.0	-11.92	AV	119.00	150	Horizontal	Pass
6	17412.262	55.78	3.53	74.0	-18.22	Peak	2.00	150	Horizontal	Pass
6**	17412.262	46.32	3.53	54.0	-7.68	AV	2.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1858.900	42.35	-16.54	74.0	-31.65	Peak	34.00	150	Vertical	Pass
1**	1858.900	33.19	-16.54	54.0	-20.81	AV	34.00	150	Vertical	Pass
2	2441.700	98.40	-12.91	74.0	24.40	Peak	359.00	150	Vertical	N/A
2**	2441.700	91.45	-12.91	54.0	37.45	AV	359.00	150	Vertical	N/A
3	4661.200	50.89	-3.38	74.0	-23.11	Peak	247.00	150	Vertical	Pass
3**	4661.200	39.92	-3.38	54.0	-14.08	AV	247.00	150	Vertical	Pass
4	6604.400	53.99	0.00	74.0	-20.01	Peak	233.00	150	Vertical	Pass
4**	6604.400	44.05	0.00	54.0	-9.95	AV	233.00	150	Vertical	Pass
5	10639.175	51.66	-0.92	74.0	-22.34	Peak	360.00	150	Vertical	Pass
5**	10639.175	41.79	-0.92	54.0	-12.21	AV	360.00	150	Vertical	Pass
6	17423.813	55.80	3.65	74.0	-18.20	Peak	185.00	150	Vertical	Pass
6**	17423.813	47.03	3.65	54.0	-6.97	AV	185.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1866.100	45.68	-16.59	74.0	-28.32	Peak	208.00	150	Horizontal	Pass
1**	1866.100	38.44	-16.59	54.0	-15.56	AV	208.00	150	Horizontal	Pass
2	2454.700	99.16	-12.65	74.0	25.16	Peak	113.00	150	Horizontal	N/A
2**	2454.700	90.66	-12.65	54.0	36.66	AV	113.00	150	Horizontal	N/A
3	3559.000	46.93	-6.97	74.0	-27.07	Peak	12.00	150	Horizontal	Pass
3**	3559.000	37.43	-6.97	54.0	-16.57	AV	12.00	150	Horizontal	Pass
4	6698.200	53.17	-0.58	74.0	-20.83	Peak	54.00	150	Horizontal	Pass
4**	6698.200	43.47	-0.58	54.0	-10.53	AV	54.00	150	Horizontal	Pass
5	10528.487	51.28	-0.71	74.0	-22.72	Peak	360.00	150	Horizontal	Pass
5**	10528.487	41.81	-0.71	54.0	-12.19	AV	360.00	150	Horizontal	Pass
6	17412.526	55.19	3.54	74.0	-18.81	Peak	261.00	150	Horizontal	Pass
6**	17412.526	47.05	3.54	54.0	-6.95	AV	261.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1859.800	42.60	-16.56	74.0	-31.40	Peak	82.00	150	Vertical	Pass
1**	1859.800	32.92	-16.56	54.0	-21.08	AV	82.00	150	Vertical	Pass
2	2465.600	99.00	-12.71	74.0	25.00	Peak	360.00	150	Vertical	N/A
2**	2465.600	91.32	-12.71	54.0	37.32	AV	360.00	150	Vertical	N/A
3	3953.400	48.03	-4.66	74.0	-25.97	Peak	323.00	150	Vertical	Pass
3**	3953.400	38.98	-4.66	54.0	-15.02	AV	323.00	150	Vertical	Pass
4	6681.000	53.94	-0.52	74.0	-20.06	Peak	122.00	150	Vertical	Pass
4**	6681.000	44.73	-0.52	54.0	-9.27	AV	122.00	150	Vertical	Pass
5	11407.088	51.79	-0.22	74.0	-22.21	Peak	25.00	150	Vertical	Pass
5**	11407.088	43.39	-0.22	54.0	-10.61	AV	25.00	150	Vertical	Pass
6	17484.974	55.44	2.51	74.0	-18.56	Peak	24.00	150	Vertical	Pass
6**	17484.974	45.92	2.51	54.0	-8.08	AV	24.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1863.200	45.44	-16.51	74.0	-28.56	Peak	206.00	150	Horizontal	Pass
1**	1863.200	35.74	-16.51	54.0	-18.26	AV	206.00	150	Horizontal	Pass
2	2419.300	98.77	-12.31	74.0	24.77	Peak	109.00	150	Horizontal	N/A
2**	2419.300	90.71	-12.31	54.0	36.71	AV	109.00	150	Horizontal	N/A
3	3896.400	47.98	-5.91	74.0	-26.02	Peak	257.00	150	Horizontal	Pass
3**	3896.400	38.48	-5.91	54.0	-15.52	AV	257.00	150	Horizontal	Pass
4	6678.400	53.18	-0.55	74.0	-20.82	Peak	271.00	150	Horizontal	Pass
4**	6678.400	44.49	-0.55	54.0	-9.51	AV	271.00	150	Horizontal	Pass
5	10643.775	51.07	-0.86	74.0	-22.93	Peak	357.00	150	Horizontal	Pass
5**	10643.775	42.58	-0.86	54.0	-11.42	AV	357.00	150	Horizontal	Pass
6	16969.426	55.73	1.96	74.0	-18.27	Peak	177.00	150	Horizontal	Pass
6**	16969.426	46.88	1.96	54.0	-7.12	AV	177.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1862.800	43.05	-16.49	74.0	-30.95	Peak	71.00	150	Vertical	Pass
1**	1862.800	32.48	-16.49	54.0	-21.52	AV	71.00	150	Vertical	Pass
2	2418.900	97.54	-12.28	74.0	23.54	Peak	71.00	150	Vertical	N/A
2**	2418.900	89.96	-12.28	54.0	35.96	AV	71.00	150	Vertical	N/A
3	3948.800	47.65	-4.86	74.0	-26.35	Peak	260.00	150	Vertical	Pass
3**	3948.800	38.53	-4.86	54.0	-15.47	AV	260.00	150	Vertical	Pass
4	6682.400	53.85	-0.45	74.0	-20.15	Peak	28.00	150	Vertical	Pass
4**	6682.400	44.41	-0.45	54.0	-9.59	AV	28.00	150	Vertical	Pass
5	10766.250	51.21	-0.61	74.0	-22.79	Peak	307.00	150	Vertical	Pass
5**	10766.250	41.38	-0.61	54.0	-12.62	AV	307.00	150	Vertical	Pass
6	16275.375	56.26	1.07	74.0	-17.74	Peak	332.00	150	Vertical	Pass
6**	16275.375	45.41	1.07	54.0	-8.59	AV	332.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1860.500	46.38	-16.52	74.0	-27.62	Peak	210.00	150	Horizontal	Pass
1**	1860.500	37.52	-16.52	54.0	-16.48	AV	210.00	150	Horizontal	Pass
2	2441.300	98.63	-12.86	74.0	24.63	Peak	263.00	150	Horizontal	N/A
2**	2441.300	91.49	-12.86	54.0	37.49	AV	263.00	150	Horizontal	N/A
3	3644.600	46.44	-6.17	74.0	-27.56	Peak	316.00	150	Horizontal	Pass
3**	3644.600	37.36	-6.17	54.0	-16.64	AV	316.00	150	Horizontal	Pass
4	6671.800	53.42	-0.78	74.0	-20.58	Peak	3.00	150	Horizontal	Pass
4**	6671.800	44.09	-0.78	54.0	-9.91	AV	3.00	150	Horizontal	Pass
5	10646.651	51.73	-0.82	74.0	-22.27	Peak	213.00	150	Horizontal	Pass
5**	10646.651	43.26	-0.82	54.0	-10.74	AV	213.00	150	Horizontal	Pass
6	17518.313	56.53	2.23	74.0	-17.47	Peak	33.00	150	Horizontal	Pass
6**	17518.313	45.57	2.23	54.0	-8.43	AV	33.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1866.200	41.84	-16.59	74.0	-32.16	Peak	81.00	150	Vertical	Pass
1**	1866.200	34.09	-16.59	54.0	-19.91	AV	81.00	150	Vertical	Pass
2	2439.100	97.68	-12.63	74.0	23.68	Peak	81.00	150	Vertical	N/A
2**	2439.100	89.83	-12.63	54.0	35.83	AV	81.00	150	Vertical	N/A
3	3800.400	47.31	-5.70	74.0	-26.69	Peak	294.00	150	Vertical	Pass
3**	3800.400	37.68	-5.70	54.0	-16.32	AV	294.00	150	Vertical	Pass
4	6672.200	53.73	-0.80	74.0	-20.27	Peak	107.00	150	Vertical	Pass
4**	6672.200	44.10	-0.80	54.0	-9.90	AV	107.00	150	Vertical	Pass
5	10700.701	51.36	-0.81	74.0	-22.64	Peak	292.00	150	Vertical	Pass
5**	10700.701	42.58	-0.81	54.0	-11.42	AV	292.00	150	Vertical	Pass
6	17417.251	55.83	3.69	74.0	-18.17	Peak	256.00	150	Vertical	Pass
6**	17417.251	47.08	3.69	54.0	-6.92	AV	256.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1863.000	45.87	-16.50	74.0	-28.13	Peak	217.00	150	Horizontal	Pass
1**	1863.000	36.33	-16.50	54.0	-17.67	AV	217.00	150	Horizontal	Pass
2	2467.800	98.52	-12.62	74.0	24.52	Peak	116.00	150	Horizontal	N/A
2**	2467.800	90.17	-12.62	54.0	36.17	AV	116.00	150	Horizontal	N/A
3	3796.000	46.83	-5.90	74.0	-27.17	Peak	89.00	150	Horizontal	Pass
3**	3796.000	38.77	-5.90	54.0	-15.23	AV	89.00	150	Horizontal	Pass
4	6275.000	53.76	-0.26	74.0	-20.24	Peak	134.00	150	Horizontal	Pass
4**	6275.000	44.52	-0.26	54.0	-9.48	AV	134.00	150	Horizontal	Pass
5	10546.312	51.23	-0.63	74.0	-22.77	Peak	214.00	150	Horizontal	Pass
5**	10546.312	41.64	-0.63	54.0	-12.36	AV	214.00	150	Horizontal	Pass
6	17411.738	55.91	3.51	74.0	-18.09	Peak	3.00	150	Horizontal	Pass
6**	17411.738	47.21	3.51	54.0	-6.79	AV	3.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1860.300	41.79	-16.53	74.0	-32.21	Peak	83.00	150	Vertical	Pass
1**	1860.300	35.06	-16.53	54.0	-18.94	AV	83.00	150	Vertical	Pass
2	2463.800	97.72	-12.78	74.0	23.72	Peak	51.00	150	Vertical	N/A
2**	2463.800	90.51	-12.78	54.0	36.51	AV	51.00	150	Vertical	N/A
3	3852.200	47.21	-5.74	74.0	-26.79	Peak	2.00	150	Vertical	Pass
3**	3852.200	38.20	-5.74	54.0	-15.80	AV	2.00	150	Vertical	Pass
4	6282.000	53.81	-0.23	74.0	-20.19	Peak	2.00	150	Vertical	Pass
4**	6282.000	43.89	-0.23	54.0	-10.11	AV	2.00	150	Vertical	Pass
5	10588.000	52.14	-1.44	74.0	-21.86	Peak	97.00	150	Vertical	Pass
5**	10588.000	41.42	-1.44	54.0	-12.58	AV	97.00	150	Vertical	Pass
6	17413.839	56.22	3.59	74.0	-17.78	Peak	315.00	150	Vertical	Pass
6**	17413.839	46.60	3.59	54.0	-7.40	AV	315.00	150	Vertical	Pass

Simultaneous transmission

MAIN antenna: 2.4G 802.11n20 mode + AUX antenna: BLE mode

1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1993.400	48.34	-15.63	74.0	-25.66	Peak	126.00	150	Horizontal	Pass
1**	1993.400	31.40	-15.63	54.0	-22.60	AV	126.00	150	Horizontal	Pass
2	2401.900	104.08	-12.25	--	--	Peak	115.00	150	Horizontal	N/A
2**	2401.900	101.06	-12.25	--	--	AV	115.00	150	Horizontal	N/A
3	2425.800	93.24	-12.43	--	--	Peak	137.00	150	Horizontal	N/A
3**	2425.800	92.00	-12.43	--	--	AV	137.00	150	Horizontal	N/A
4	5274.600	51.87	-3.00	74.0	-22.13	Peak	23.00	150	Horizontal	Pass
4**	5274.600	41.38	-3.00	54.0	-12.62	AV	23.00	150	Horizontal	Pass
5	8921.075	51.38	-0.33	74.0	-22.62	Peak	360.00	150	Horizontal	Pass
5**	8921.075	42.98	-0.33	54.0	-11.02	AV	360.00	150	Horizontal	Pass
6	11694.300	52.82	0.21	74.0	-21.18	Peak	0.00	150	Horizontal	Pass
6**	11694.300	43.55	0.21	54.0	-10.45	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2000.100	49.89	-15.49	74.0	-24.11	Peak	138.00	150	Vertical	Pass
1**	2000.100	40.50	-15.49	54.0	-13.50	AV	138.00	150	Vertical	Pass
2	2401.800	96.62	-12.26	--	--	Peak	312.00	150	Vertical	N/A
2**	2401.800	94.79	-12.26	--	--	AV	312.00	150	Vertical	N/A
3	2425.700	95.31	-12.86	--	--	Peak	355.00	150	Vertical	N/A
3**	2425.700	94.21	-12.86	--	--	AV	355.00	150	Vertical	N/A
4	5858.200	53.53	-1.38	74.0	-20.47	Peak	0.00	150	Vertical	Pass
4**	5858.200	43.18	-1.38	54.0	-10.82	AV	0.00	150	Vertical	Pass
5	9019.975	50.88	-0.49	74.0	-23.12	Peak	117.00	150	Vertical	Pass
5**	9019.975	41.08	-0.49	54.0	-12.92	AV	117.00	150	Vertical	Pass
6	11600.862	52.98	-0.06	74.0	-21.02	Peak	0.00	150	Vertical	Pass
6**	11600.862	43.54	-0.06	54.0	-10.46	AV	0.00	150	Vertical	Pass

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

Test Data

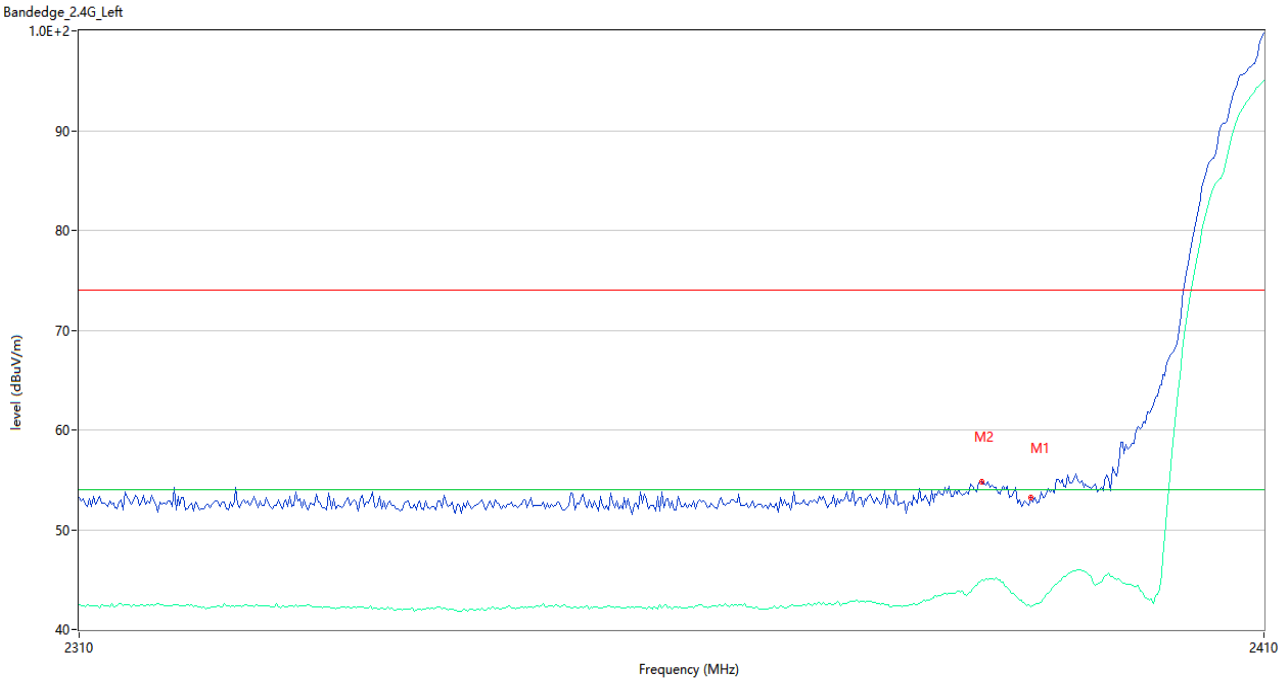
Note [1]: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

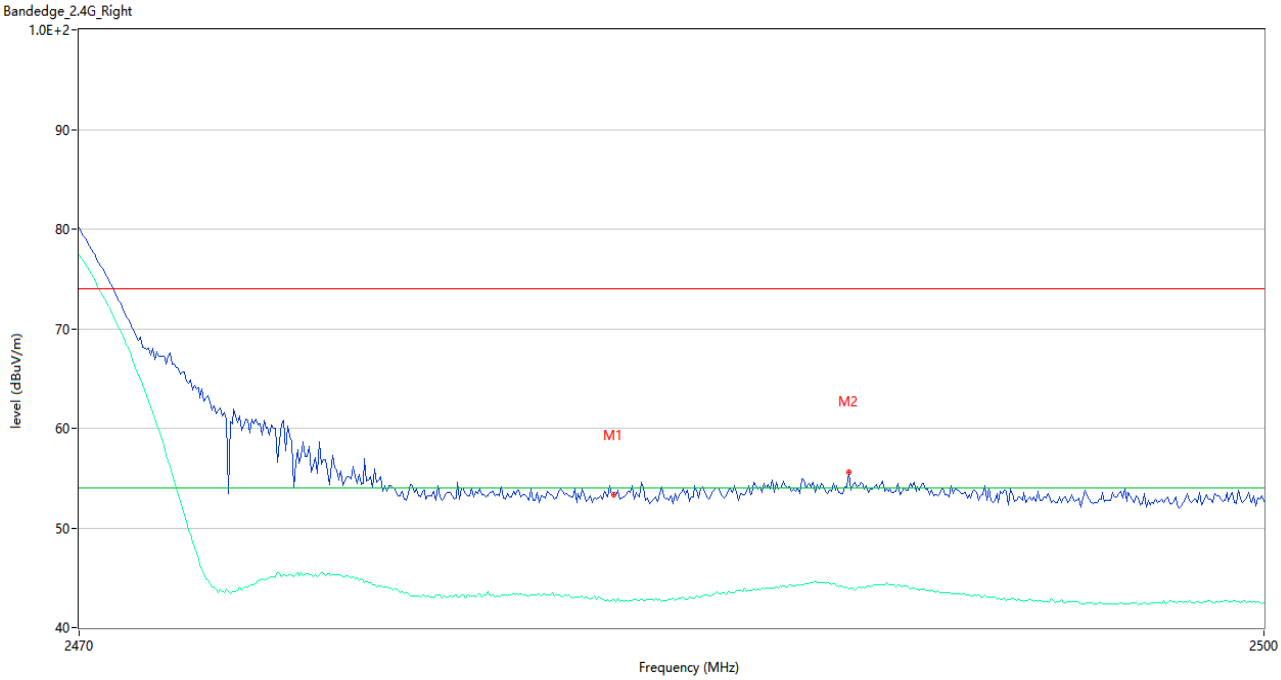
Main Antenna

802.11b LOW CHANNEL



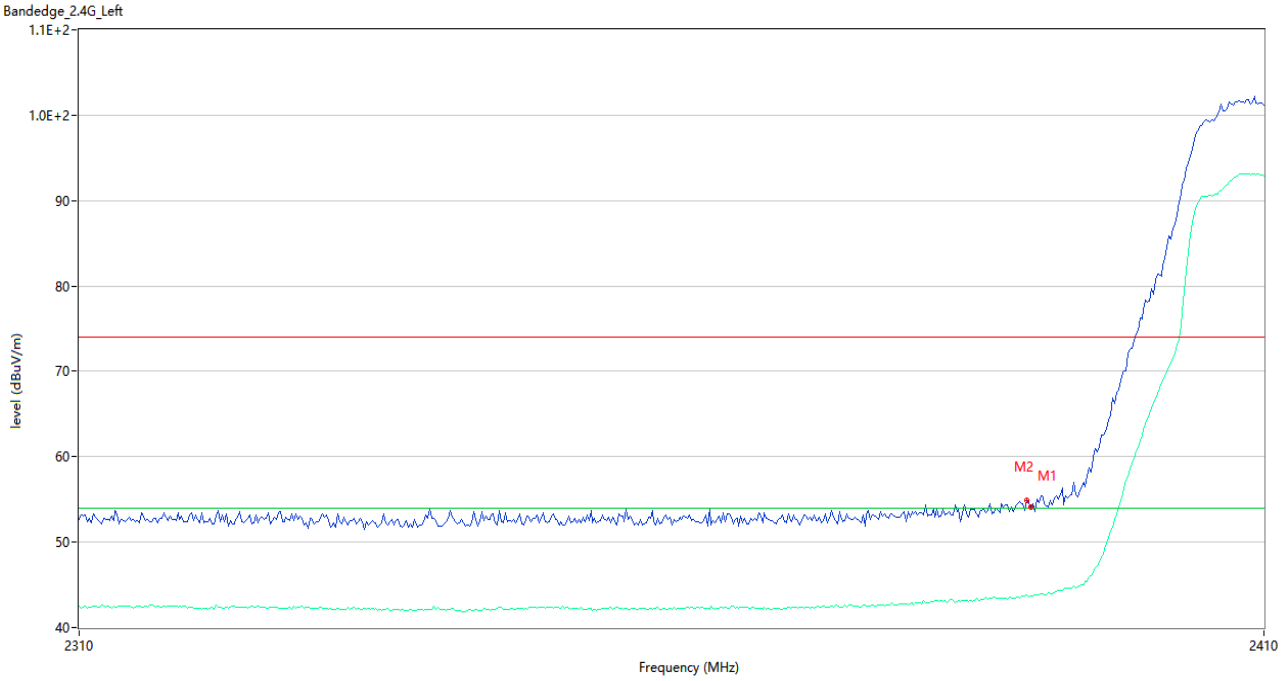
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	53.17	-1.85	74.0	-20.83	Peak	1.00	150	Horizontal	Pass
1**	2390.000	42.31	-1.85	54.0	-11.69	AV	1.00	150	Horizontal	Pass
2	2385.833	54.85	-1.60	74.0	-19.15	Peak	3.00	150	Horizontal	Pass
2**	2385.833	44.94	-1.60	54.0	-9.06	AV	3.00	150	Horizontal	Pass

802.11b HIGH CHANNEL,



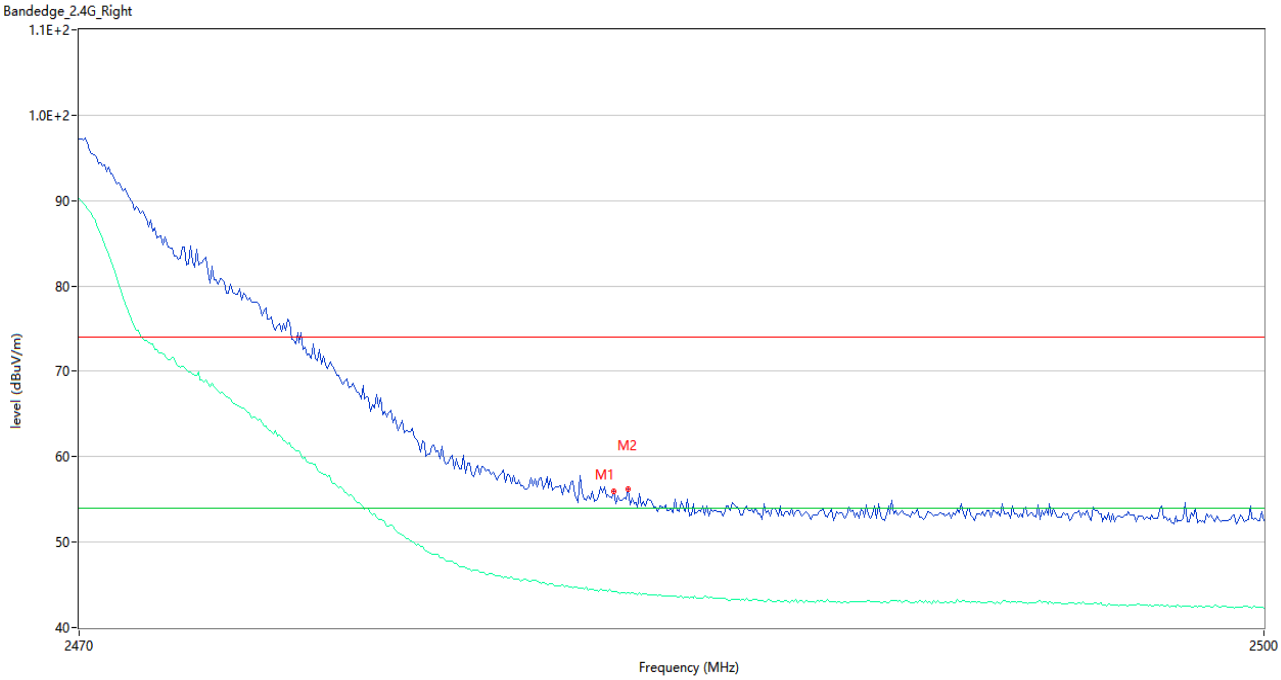
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.38	-1.28	74.0	-20.62	Peak	15.00	150	Horizontal	Pass
1**	2483.500	42.78	-1.28	54.0	-11.22	AV	15.00	150	Horizontal	Pass
2	2489.450	55.62	-1.43	74.0	-18.38	Peak	1.00	150	Horizontal	Pass
2**	2489.450	43.87	-1.43	54.0	-10.13	AV	1.00	150	Horizontal	Pass

802.11g LOW CHANNEL



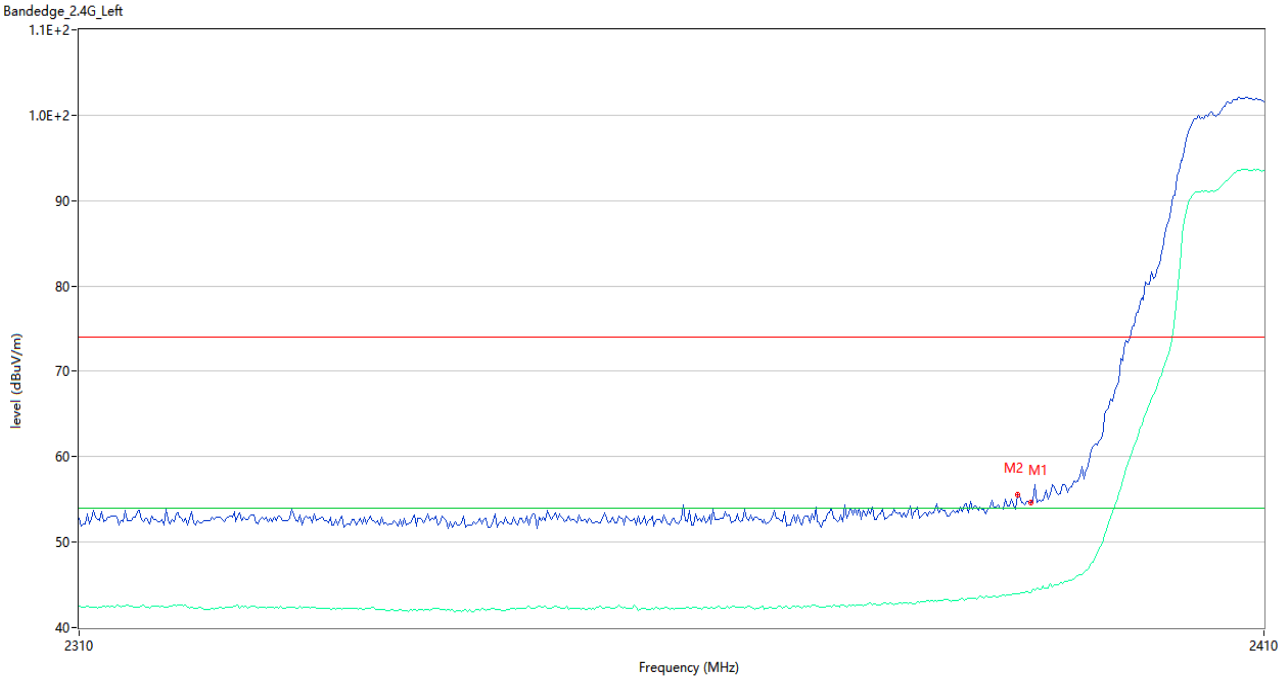
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.16	-1.85	74.0	-19.84	Peak	3.00	150	Horizontal	Pass
1**	2390.000	43.64	-1.85	54.0	-10.36	AV	3.00	150	Horizontal	Pass
2	2389.667	54.92	-1.84	74.0	-19.08	Peak	3.00	150	Horizontal	Pass
2**	2389.667	43.84	-1.84	54.0	-10.16	AV	3.00	150	Horizontal	Pass

802.11g HIGH CHANNEL,



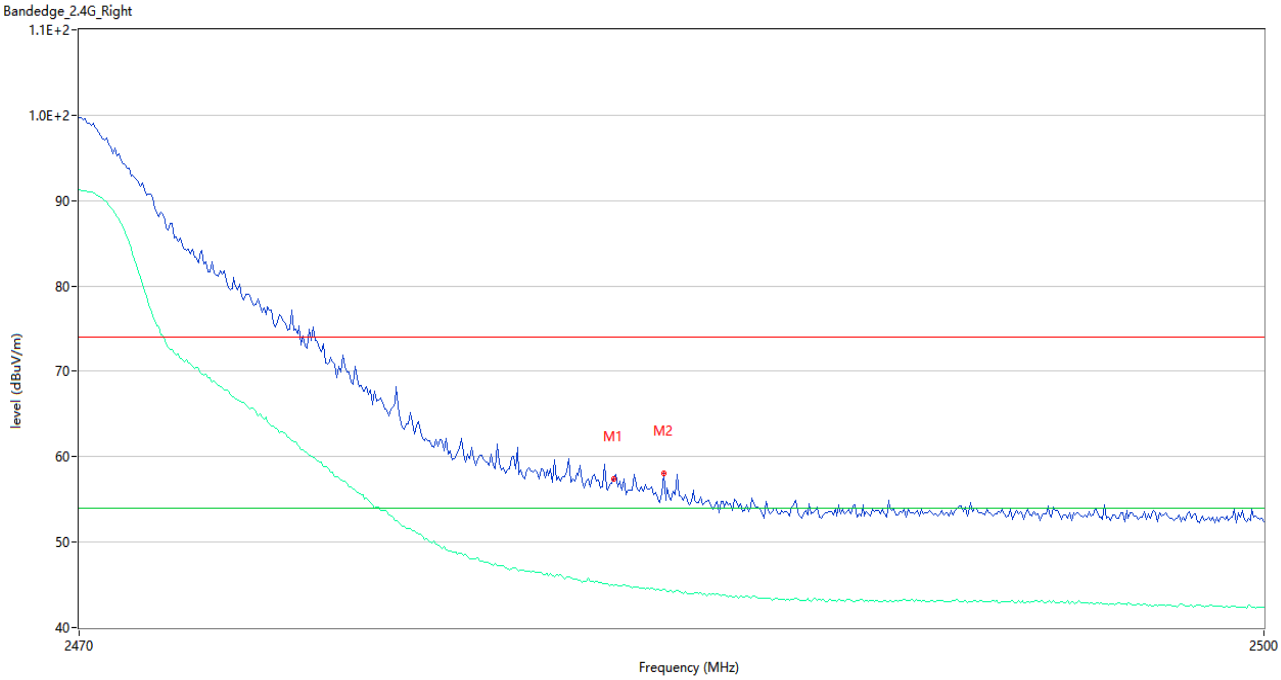
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.99	-1.28	74.0	-18.01	Peak	10.00	150	Horizontal	Pass
1**	2483.500	44.17	-1.28	54.0	-9.83	AV	10.00	150	Horizontal	Pass
2	2483.850	56.16	-1.28	74.0	-17.84	Peak	10.00	150	Horizontal	Pass
2**	2483.850	44.03	-1.28	54.0	-9.97	AV	10.00	150	Horizontal	Pass

802.11n-20 LOW CHANNEL



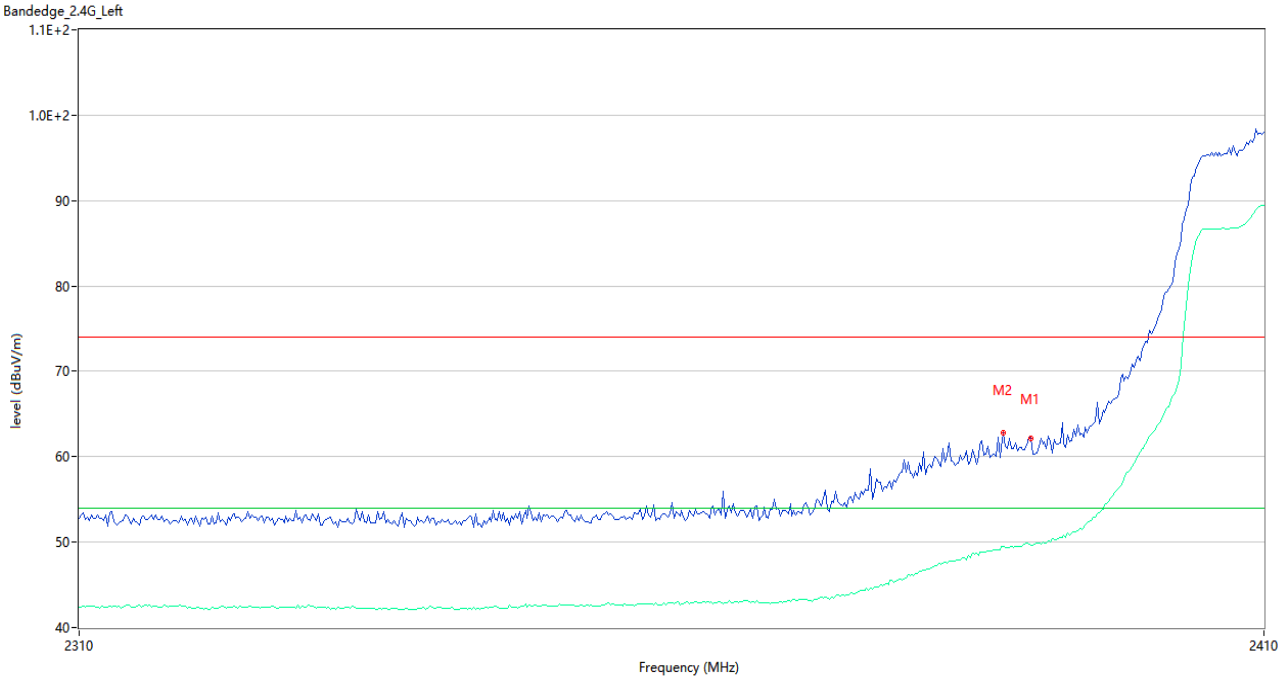
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.60	-1.85	74.0	-19.40	Peak	5.00	150	Horizontal	Pass
1**	2390.000	44.15	-1.85	54.0	-9.85	AV	5.00	150	Horizontal	Pass
2	2388.833	55.52	-1.80	74.0	-18.48	Peak	4.00	150	Horizontal	Pass
2**	2388.833	43.95	-1.80	54.0	-10.05	AV	4.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL,



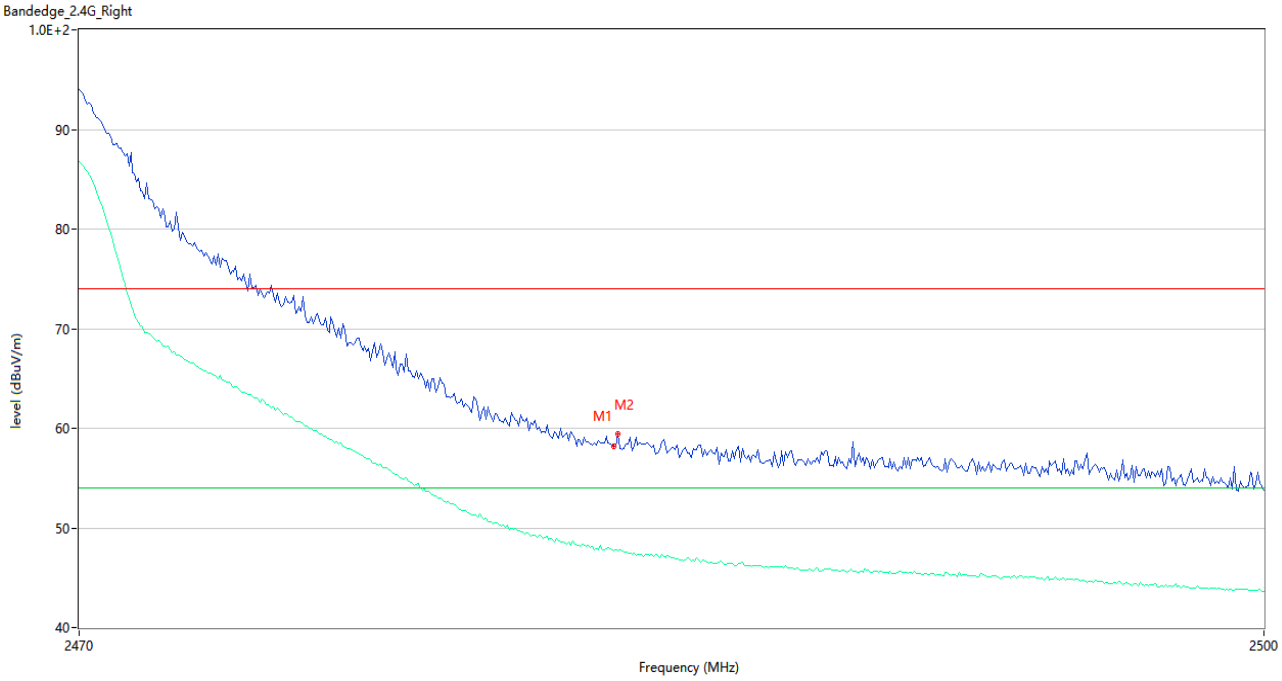
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.37	-1.28	74.0	-16.63	Peak	14.00	150	Horizontal	Pass
1**	2483.500	44.94	-1.28	54.0	-9.06	AV	14.00	150	Horizontal	Pass
2	2484.750	58.05	-1.30	74.0	-15.95	Peak	1.00	150	Horizontal	Pass
2**	2484.750	44.43	-1.30	54.0	-9.57	AV	1.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.20	-1.85	74.0	-11.80	Peak	10.00	150	Horizontal	Pass
1**	2390.000	49.67	-1.85	54.0	-4.33	AV	10.00	150	Horizontal	Pass
2	2387.667	62.79	-1.69	74.0	-11.21	Peak	10.00	150	Horizontal	Pass
2**	2387.667	49.50	-1.69	54.0	-4.50	AV	10.00	150	Horizontal	Pass

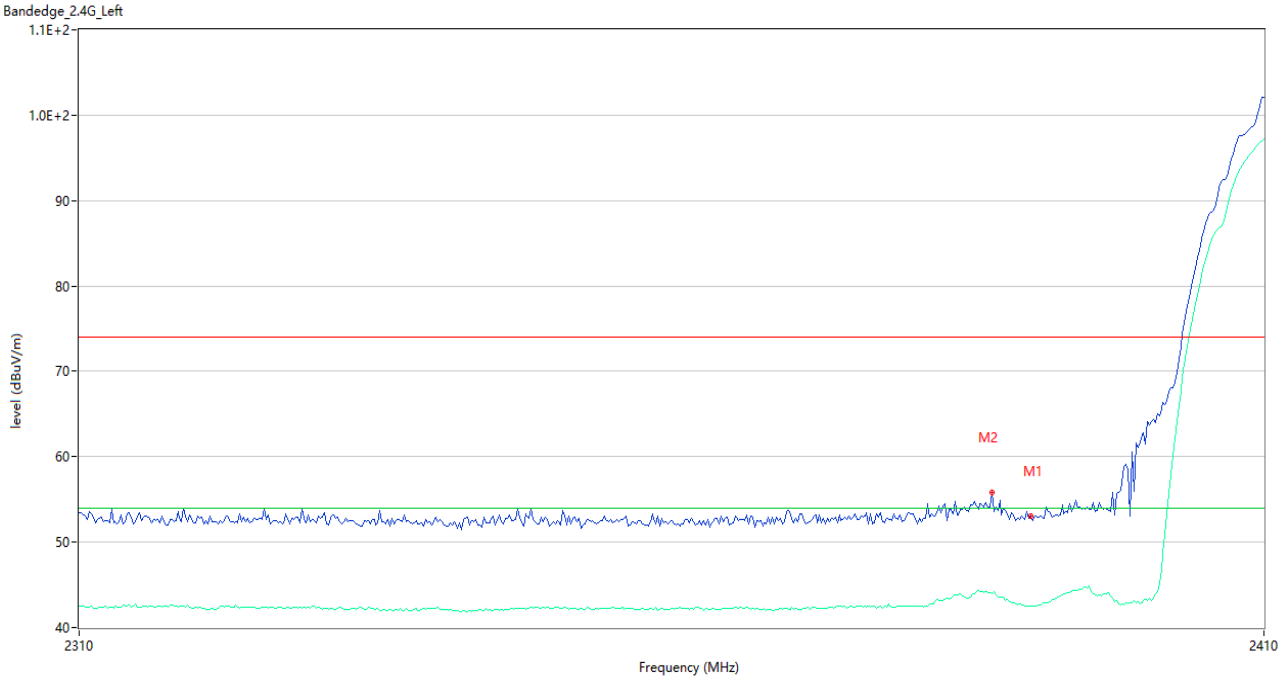
802.11n-40 HIGH CHANNEL,



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.21	-1.28	74.0	-15.79	Peak	4.00	150	Horizontal	Pass
1**	2483.500	47.63	-1.28	54.0	-6.37	AV	4.00	150	Horizontal	Pass
2	2483.600	59.49	-1.28	74.0	-14.51	Peak	9.00	150	Horizontal	Pass
2**	2483.600	47.64	-1.28	54.0	-6.36	AV	9.00	150	Horizontal	Pass

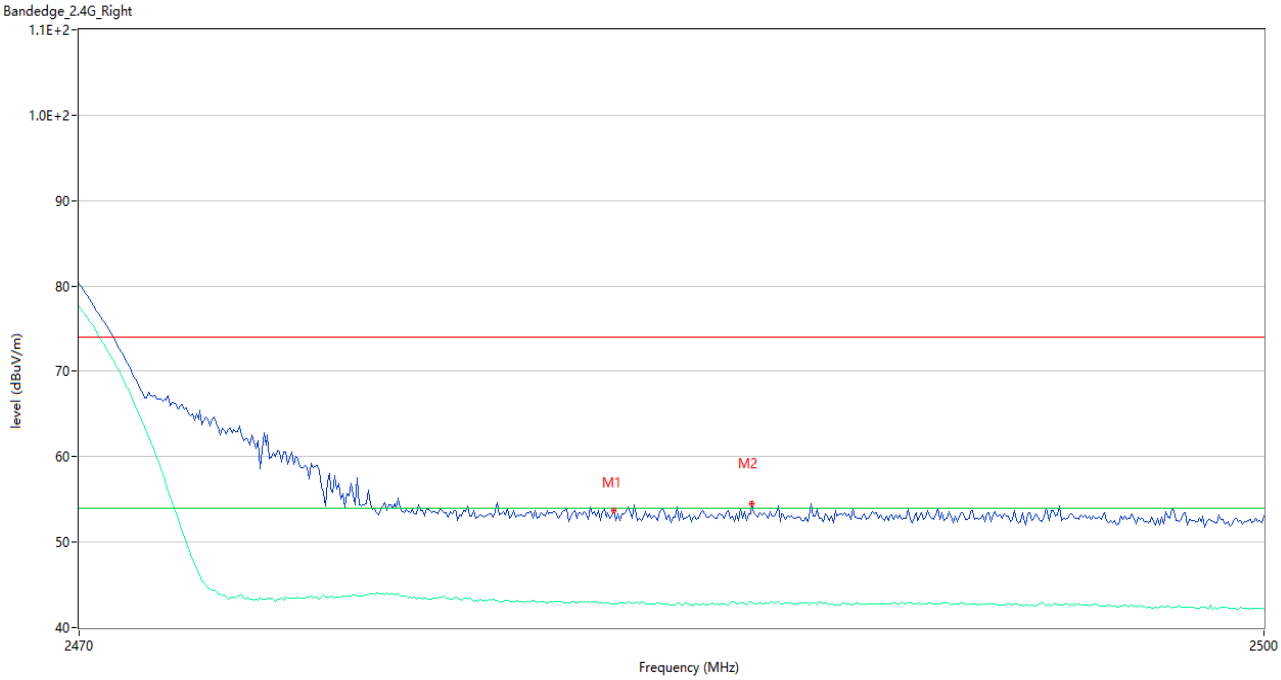
Aux. Antenna

802.11b LOW CHANNEL



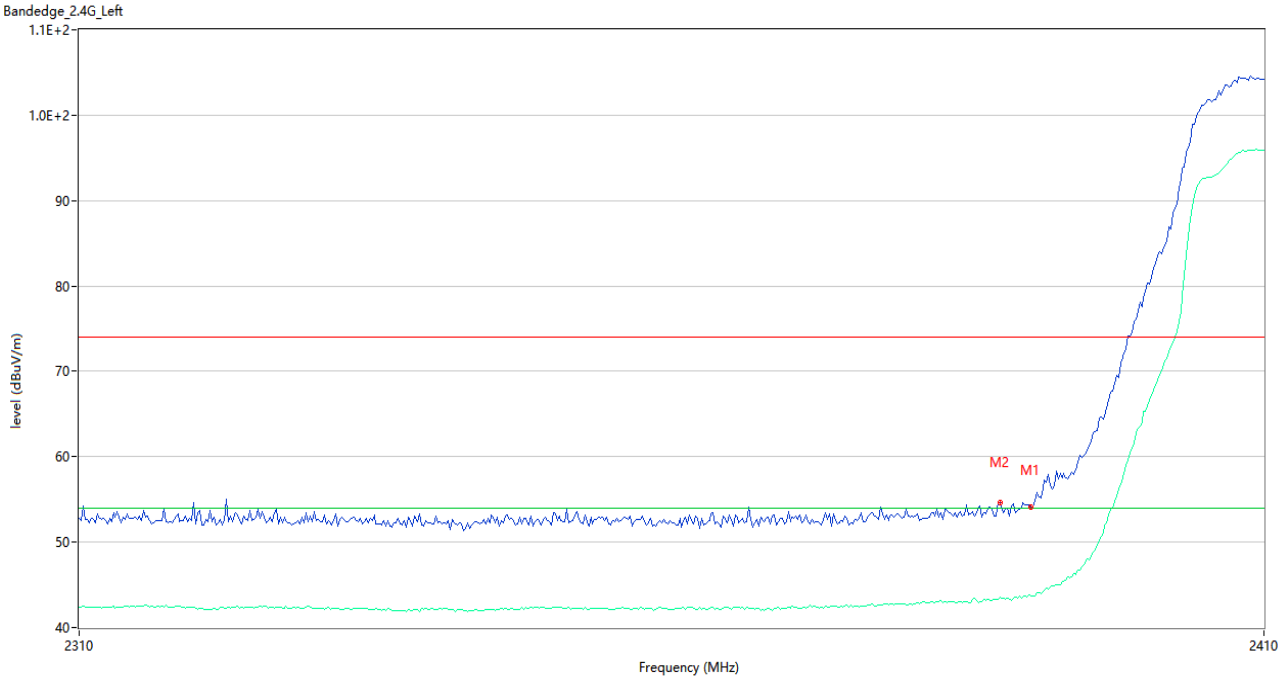
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.99	-1.85	74.0	-21.01	Peak	3.00	150	Horizontal	Pass
1**	2390.000	42.44	-1.85	54.0	-11.56	AV	3.00	150	Horizontal	Pass
2	2386.667	55.81	-1.59	74.0	-18.19	Peak	15.00	150	Horizontal	Pass
2**	2386.667	43.99	-1.59	54.0	-10.01	AV	15.00	150	Horizontal	Pass

802.11b HIGH CHANNEL,



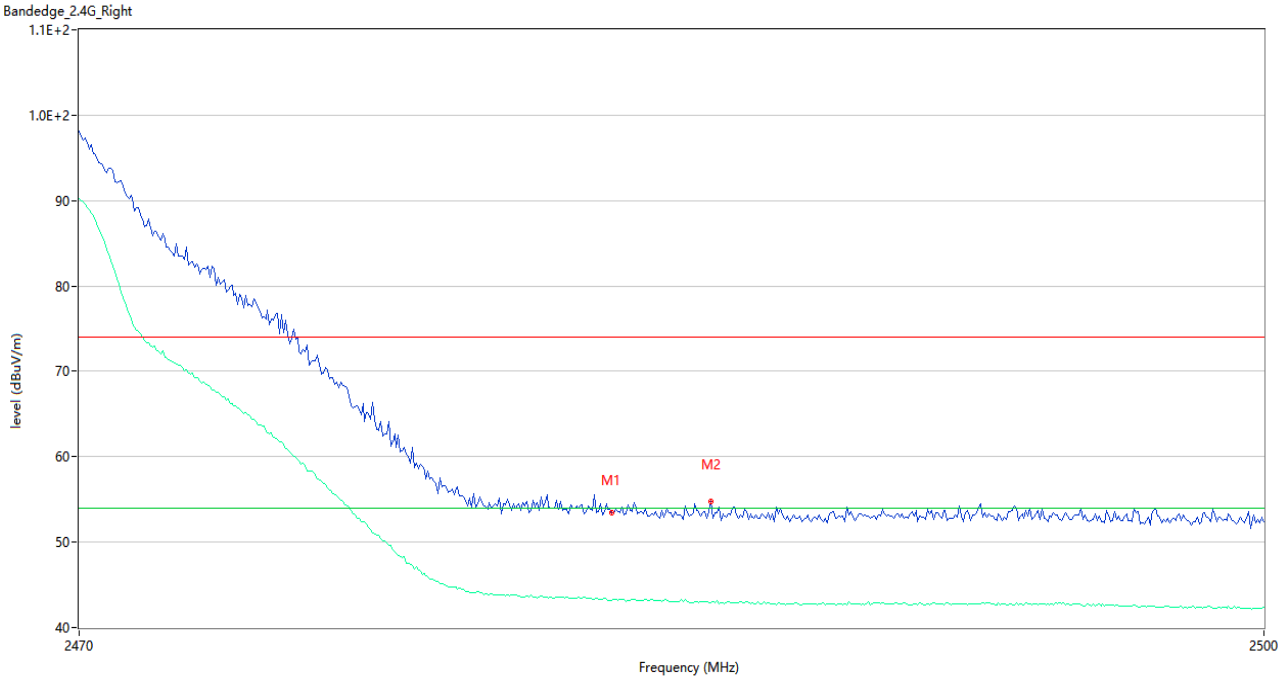
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.71	-1.28	74.0	-20.29	Peak	3.00	150	Horizontal	Pass
1**	2483.500	42.76	-1.28	54.0	-11.24	AV	3.00	150	Horizontal	Pass
2	2487.000	54.46	-1.40	74.0	-19.54	Peak	5.00	150	Horizontal	Pass
2**	2487.000	42.95	-1.40	54.0	-11.05	AV	5.00	150	Horizontal	Pass

802.11g LOW CHANNEL



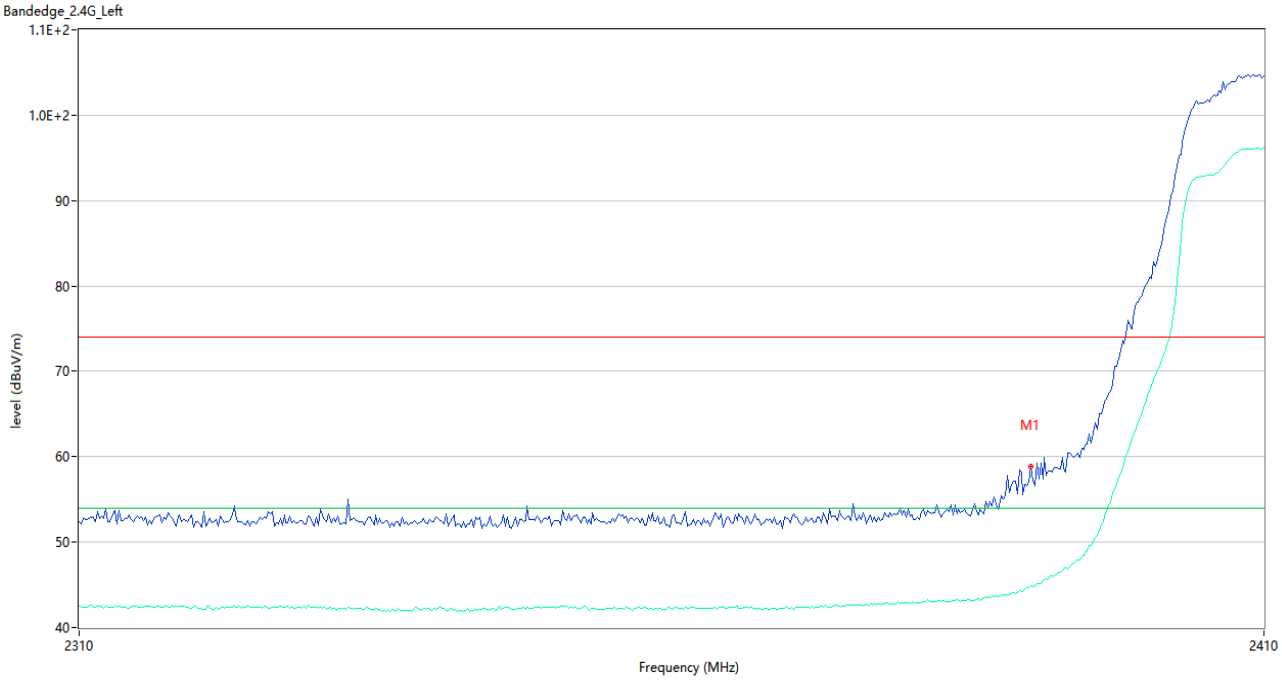
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.11	-1.85	74.0	-19.89	Peak	13.00	150	Horizontal	Pass
1**	2390.000	43.65	-1.85	54.0	-10.35	AV	13.00	150	Horizontal	Pass
2	2387.333	54.68	-1.66	74.0	-19.32	Peak	2.00	150	Horizontal	Pass
2**	2387.333	43.50	-1.66	54.0	-10.50	AV	2.00	150	Horizontal	Pass

802.11g HIGH CHANNEL,



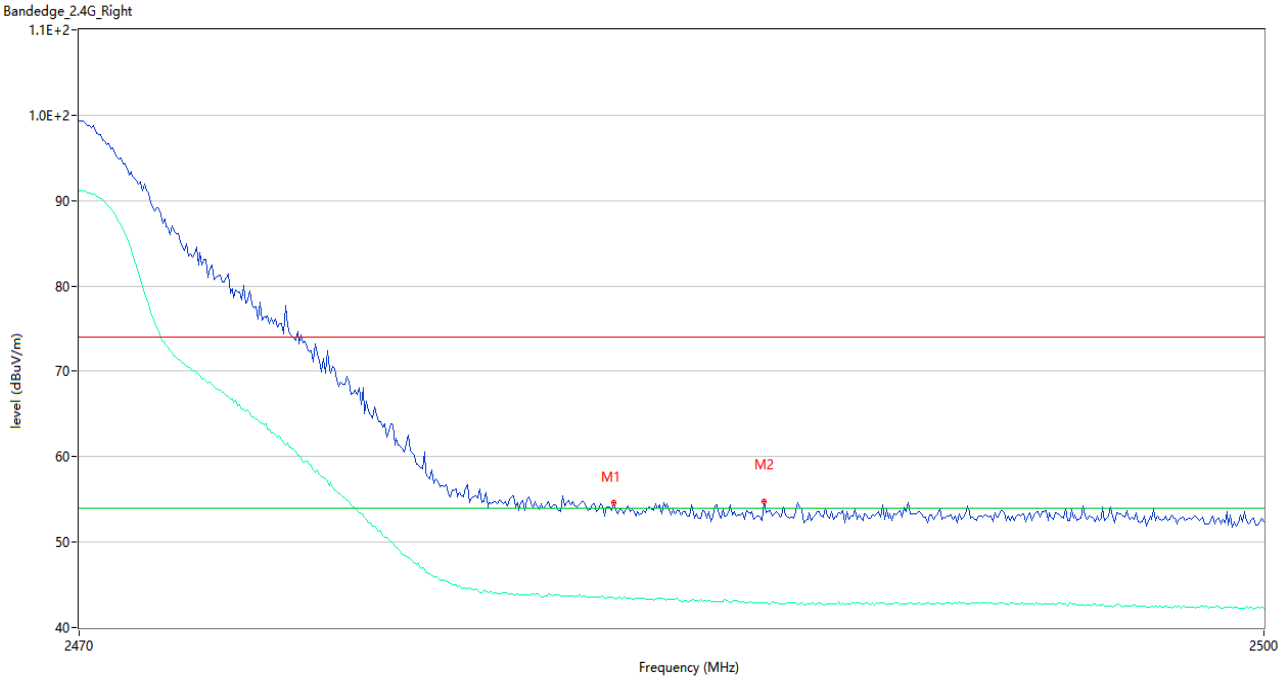
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.47	-1.28	74.0	-20.53	Peak	2.00	150	Horizontal	Pass
1**	2483.500	43.31	-1.28	54.0	-10.69	AV	2.00	150	Horizontal	Pass
2	2485.950	54.72	-1.35	74.0	-19.28	Peak	4.00	150	Horizontal	Pass
2**	2485.950	42.84	-1.35	54.0	-11.16	AV	4.00	150	Horizontal	Pass

802.11n-20 LOW CHANNEL



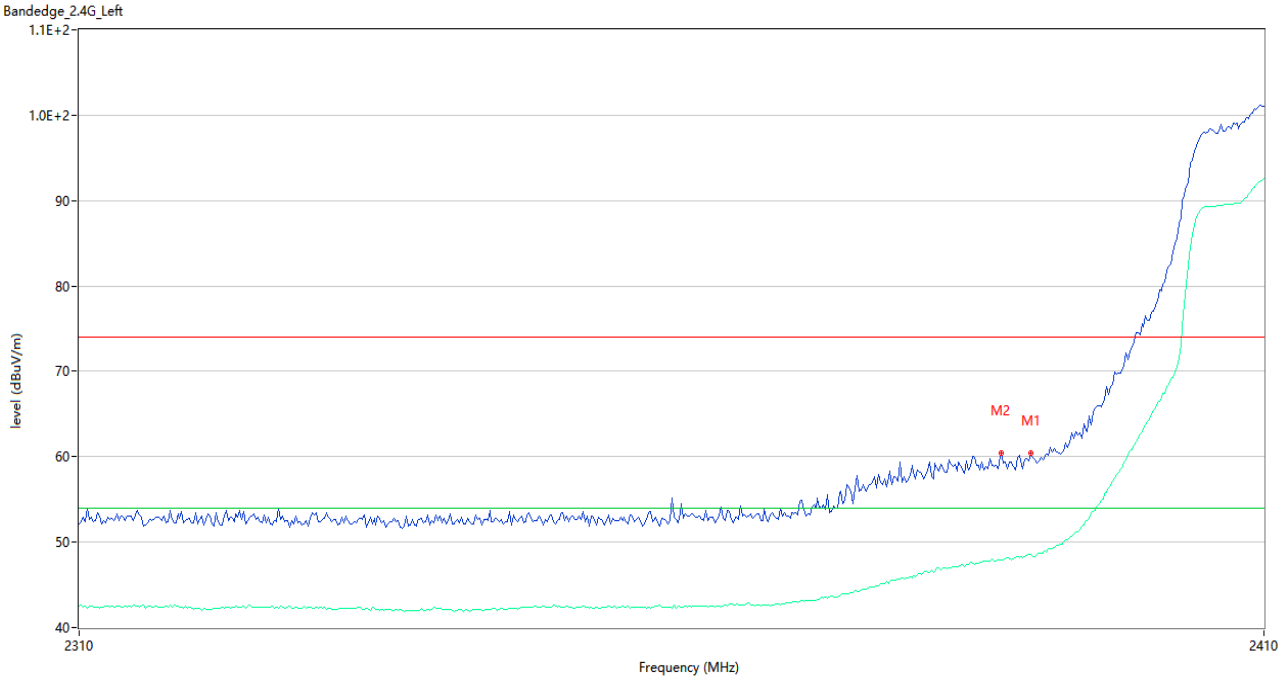
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.79	-1.85	74.0	-15.21	Peak	3.00	150	Horizontal	Pass
1**	2390.000	44.90	-1.85	54.0	-9.10	AV	3.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL,



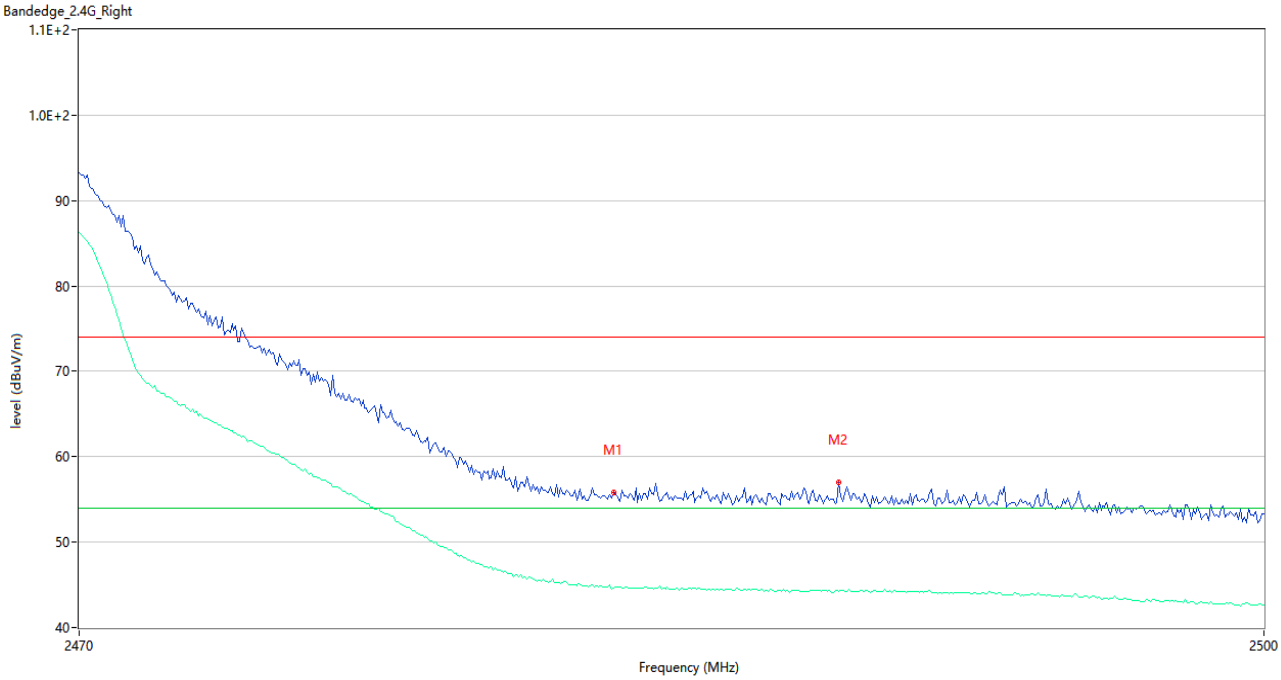
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.61	-1.28	74.0	-19.39	Peak	13.00	150	Horizontal	Pass
1**	2483.500	43.40	-1.28	54.0	-10.60	AV	13.00	150	Horizontal	Pass
2	2487.300	54.82	-1.42	74.0	-19.18	Peak	8.00	150	Horizontal	Pass
2**	2487.300	42.89	-1.42	54.0	-11.11	AV	8.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	60.45	-1.85	74.0	-13.55	Peak	12.00	150	Horizontal	Pass
1**	2390.000	48.52	-1.85	54.0	-5.48	AV	12.00	150	Horizontal	Pass
2	2387.500	60.50	-1.68	74.0	-13.50	Peak	13.00	150	Horizontal	Pass
2**	2387.500	47.91	-1.68	54.0	-6.09	AV	13.00	150	Horizontal	Pass

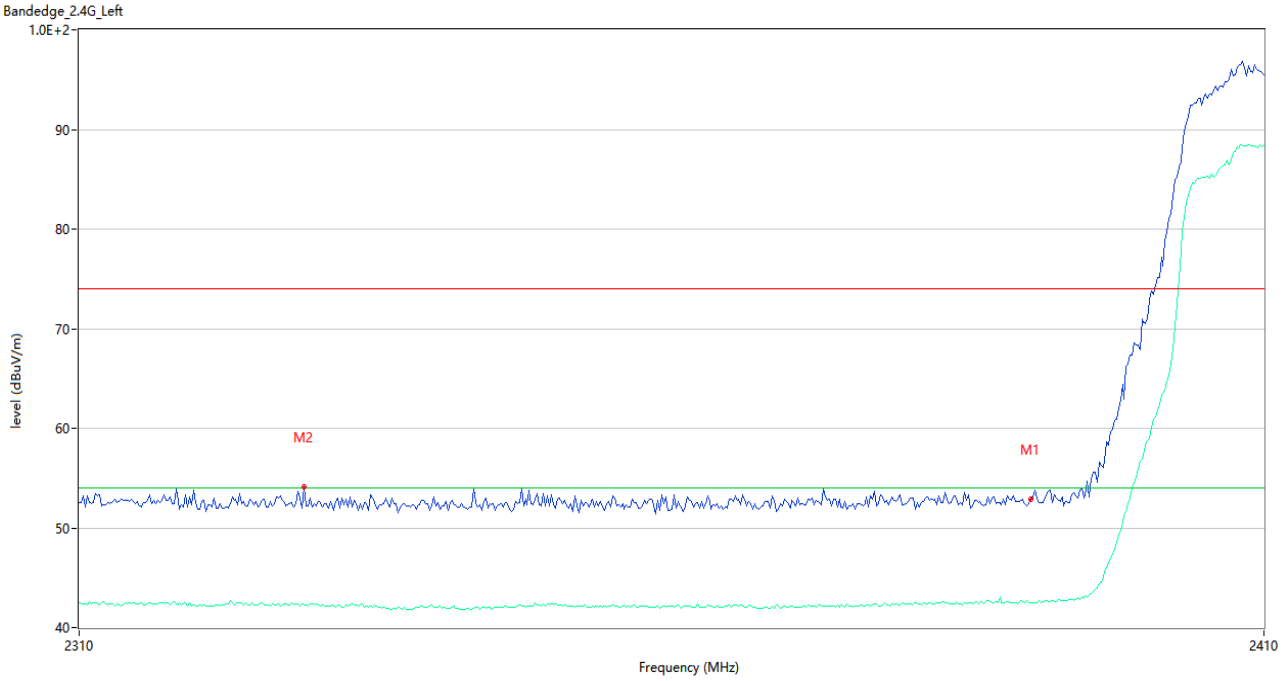
802.11n-40 HIGH CHANNEL,



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.81	-1.28	74.0	-18.19	Peak	1.00	150	Horizontal	Pass
1**	2483.500	44.65	-1.28	54.0	-9.35	AV	1.00	150	Horizontal	Pass
2	2489.200	56.95	-1.45	74.0	-17.05	Peak	13.00	150	Horizontal	Pass
2**	2489.200	44.22	-1.45	54.0	-9.78	AV	13.00	150	Horizontal	Pass

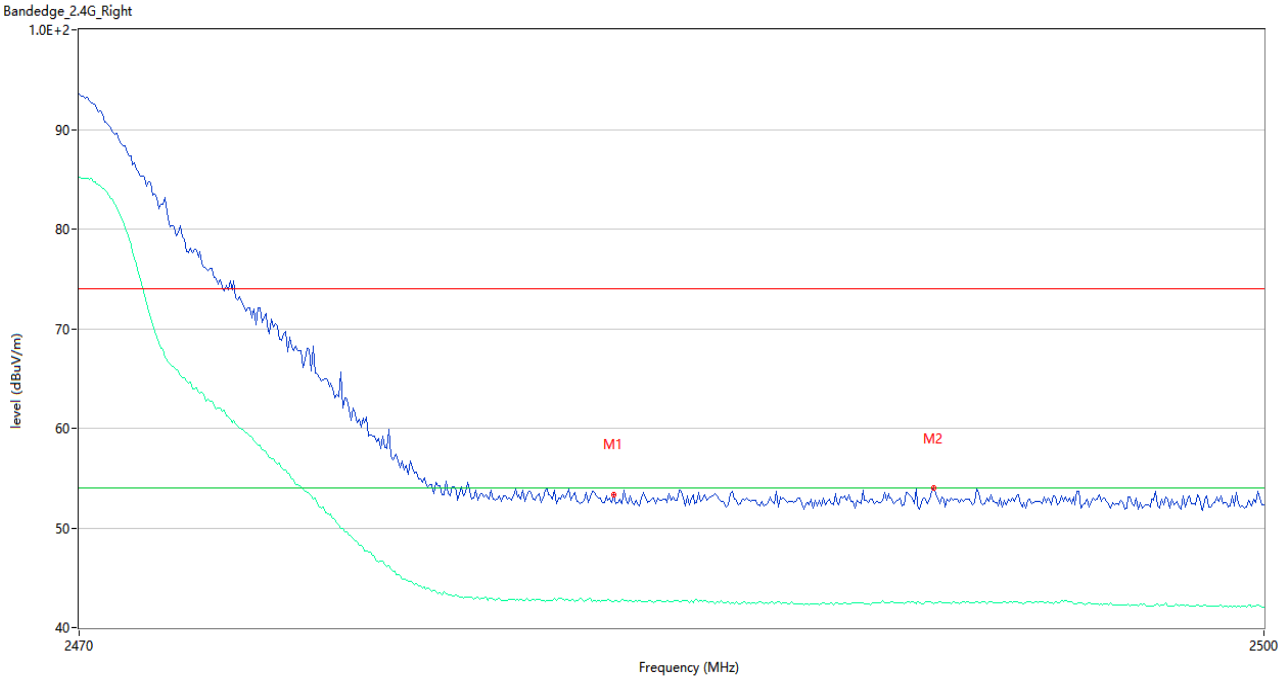
MIMO

802.11n-20 LOW CHANNEL



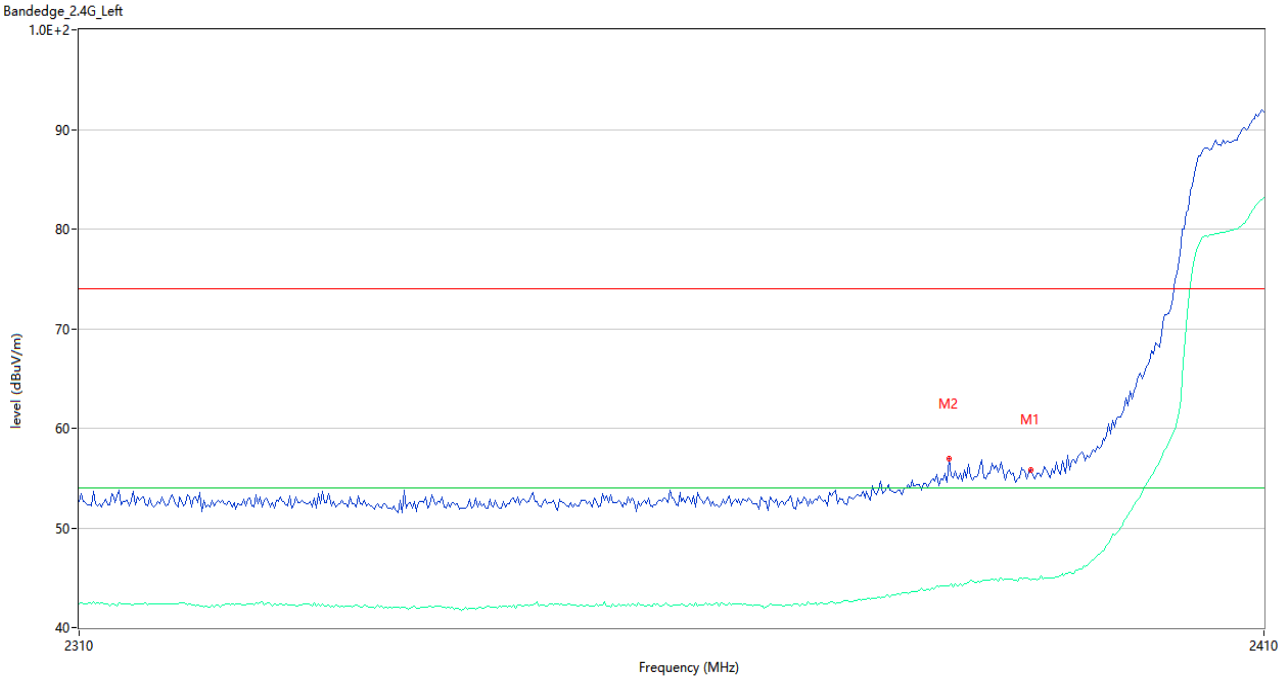
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.85	-1.85	74.0	-21.15	Peak	10.00	150	Horizontal	Pass
1**	2390.000	42.52	-1.85	54.0	-11.48	AV	10.00	150	Horizontal	Pass
2	2328.667	54.11	-1.41	74.0	-19.89	Peak	15.00	150	Horizontal	Pass
2**	2328.667	42.28	-1.41	54.0	-11.72	AV	15.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL,



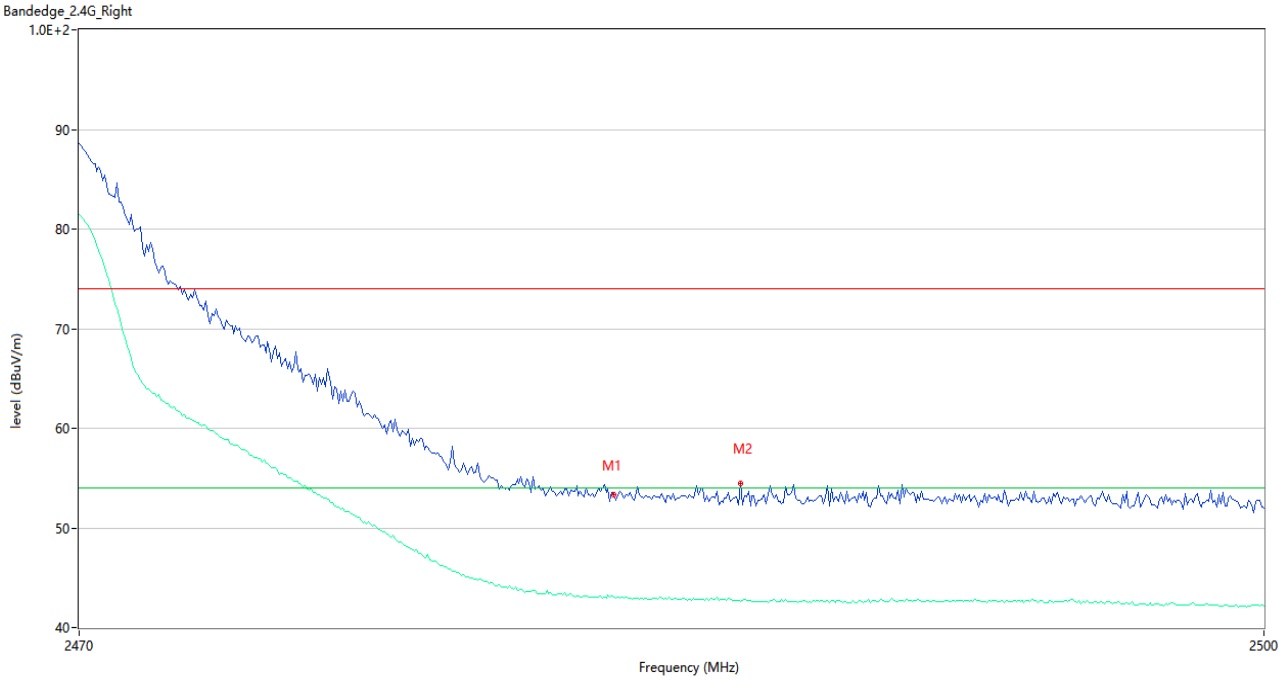
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.39	-1.28	74.0	-20.61	Peak	8.00	150	Horizontal	Pass
1**	2483.500	42.65	-1.28	54.0	-11.35	AV	8.00	150	Horizontal	Pass
2	2491.600	54.02	-1.36	74.0	-19.98	Peak	9.00	150	Horizontal	Pass
2**	2491.600	42.41	-1.36	54.0	-11.59	AV	9.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	55.85	-1.85	74.0	-18.15	Peak	8.00	150	Horizontal	Pass
1**	2390.000	44.75	-1.85	54.0	-9.25	AV	8.00	150	Horizontal	Pass
2	2383.000	56.91	-1.59	74.0	-17.09	Peak	4.00	150	Horizontal	Pass
2**	2383.000	44.14	-1.59	54.0	-9.86	AV	4.00	150	Horizontal	Pass

802.11n-40 HIGH CHANNEL,



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.37	-1.28	74.0	-20.63	Peak	9.00	150	Horizontal	Pass
1**	2483.500	43.04	-1.28	54.0	-10.96	AV	9.00	150	Horizontal	Pass
2	2486.700	54.45	-1.38	74.0	-19.55	Peak	11.00	150	Horizontal	Pass
2**	2486.700	42.56	-1.38	54.0	-11.44	AV	11.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.14	8
Middle	-18.47	8
High	-18.43	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.10	8
Middle	-20.61	8
High	-20.50	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.87	8
Middle	-20.60	8
High	-20.90	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.75	8
Middle	-24.66	8
High	-24.83	8

Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.82	8
Middle	-18.35	8
High	-18.03	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.04	8
Middle	-20.96	8
High	-20.77	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.82	8
Middle	-21.29	8
High	-20.97	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.25	8
Middle	-24.67	8
High	-24.59	8

MIMO-Main Antenna

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.79	8
Middle	-20.98	8
High	-21.09	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.80	8
Middle	-24.80	8
High	-24.78	8

MIMO-Aux. Antenna

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.97	8
Middle	-21.79	8
High	-21.68	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.77	8
Middle	-24.93	8
High	-24.62	8

MIMO

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.33	8
Middle	-18.35	8
High	-18.36	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.78	8
Middle	-21.85	8
High	-21.69	8

Test plots

Main Antenna

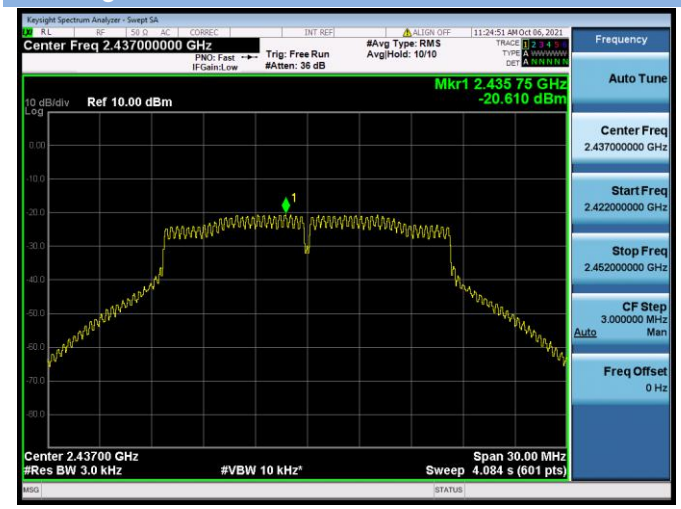
802.11b LOW CHANNEL

802.11b MIDDLE CHANNEL

802.11b HIGH CHANNEL

802.11g LOW CHANNEL

802.11g MIDDLE CHANNEL

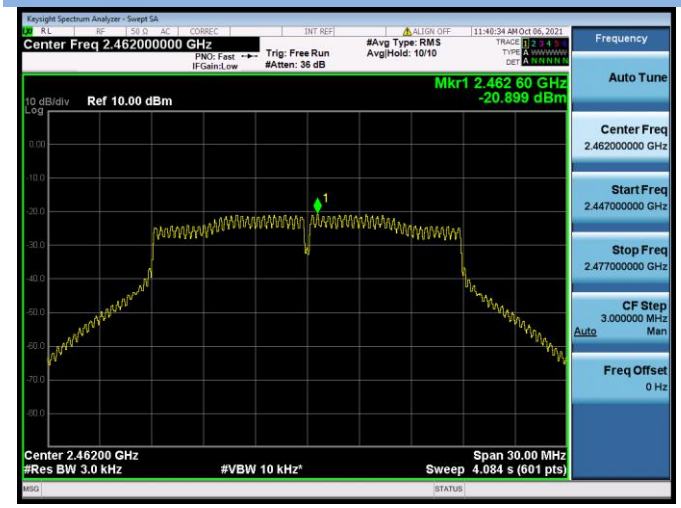


802.11g HIGH CHANNEL

802.11n-20 MHz LOW CHANNEL

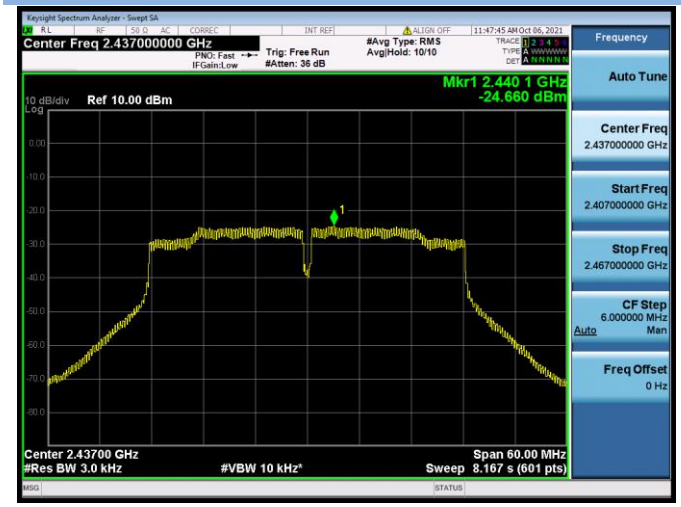
802.11n-20 MHz MIDDLE CHANNEL

802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL

802.11n-40 MHz MIDDLE CHANNEL



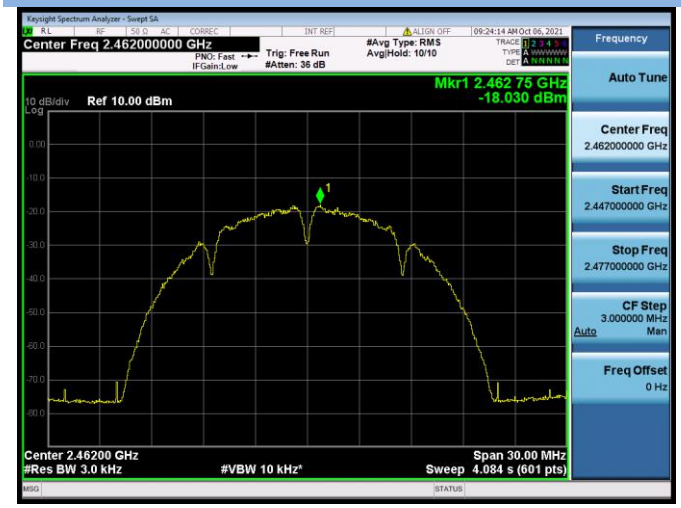
802.11n-40 MHz HIGH CHANNEL

Aux. Antenna

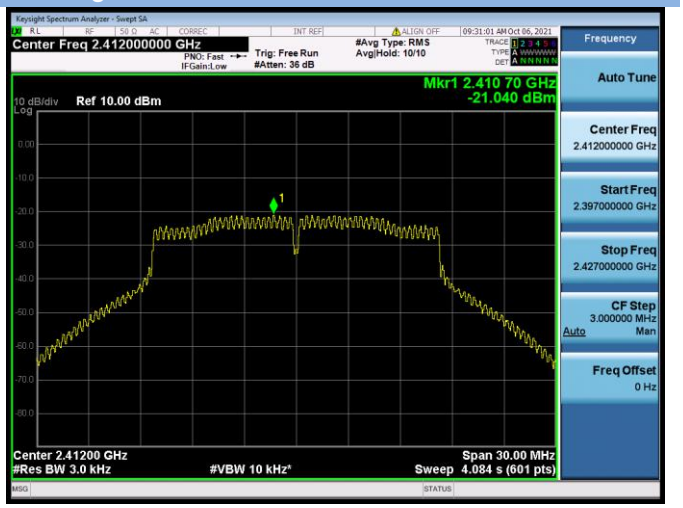
802.11b LOW CHANNEL

802.11b MIDDLE CHANNEL

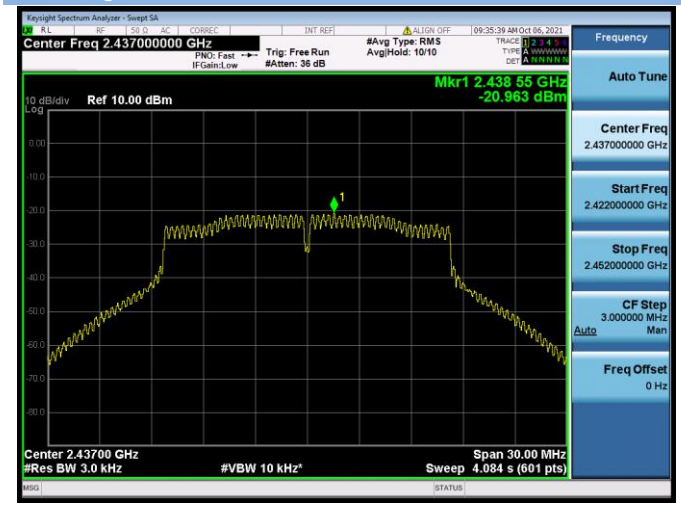
802.11b HIGH CHANNEL



802.11g LOW CHANNEL

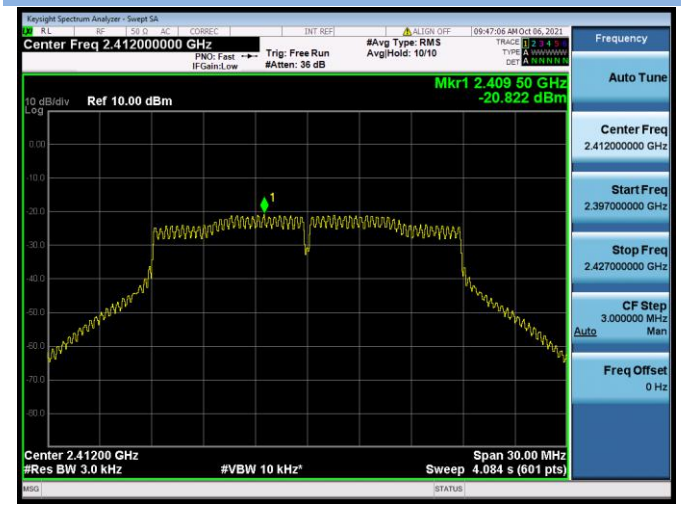


802.11g MIDDLE CHANNEL



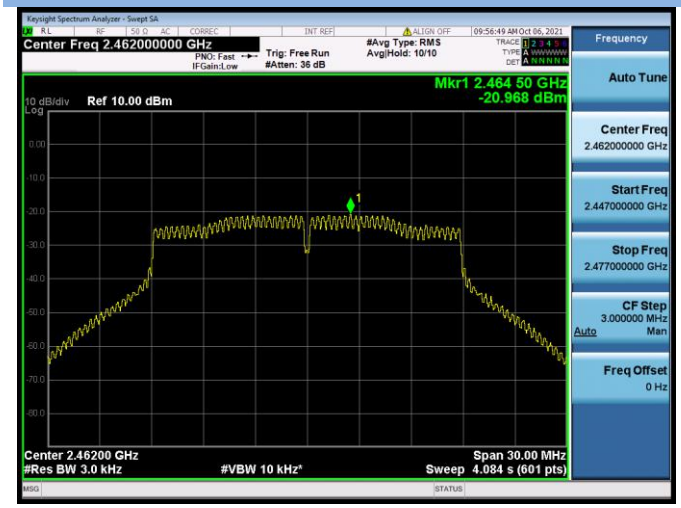
802.11g HIGH CHANNEL

802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL

802.11n-20 MHz HIGH CHANNEL



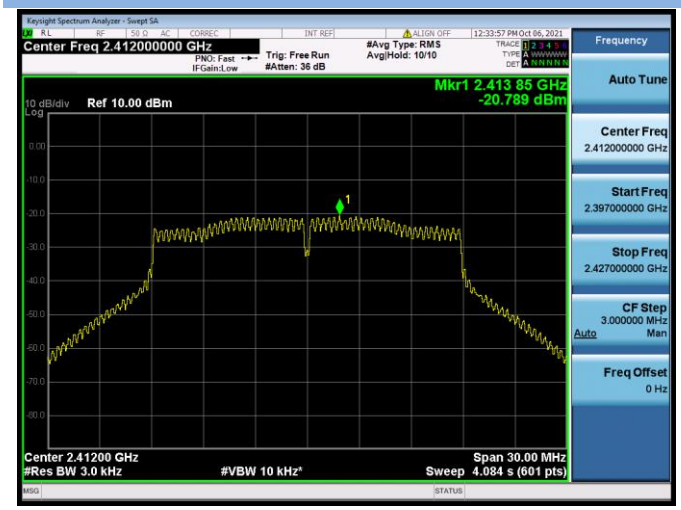
802.11n-40 MHz LOW CHANNEL

802.11n-40 MHz MIDDLE CHANNEL

802.11n-40 MHz HIGH CHANNEL

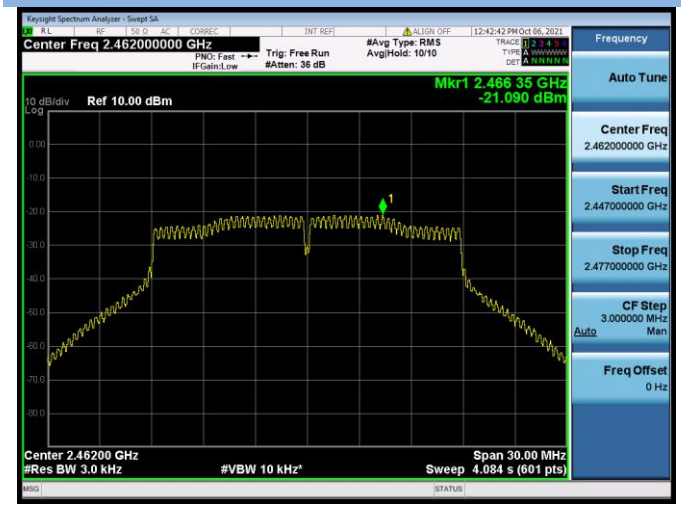
MIMO-Main. Antenna

802.11n-20 MHz LOW CHANNEL



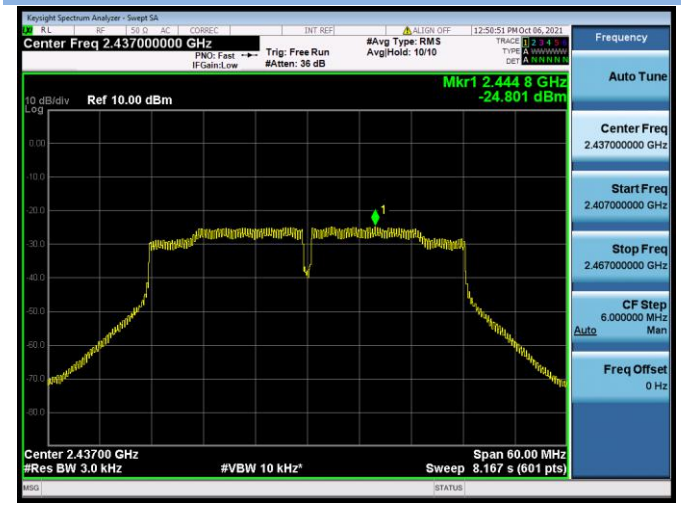
802.11 n-20 MHz MIDDLE CHANNEL

802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL

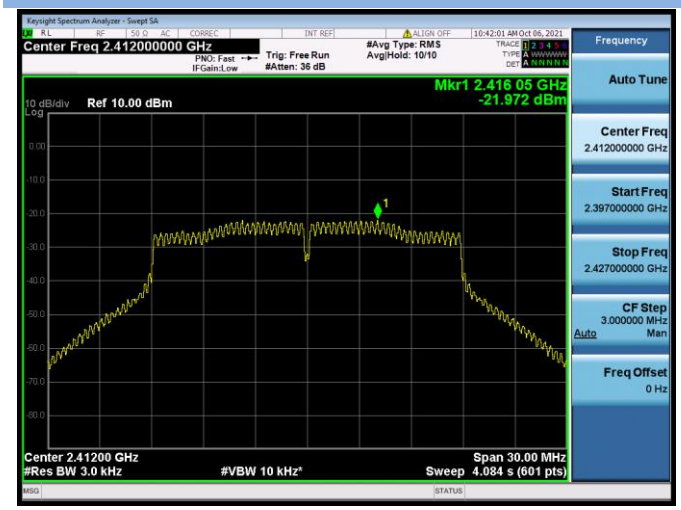
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL

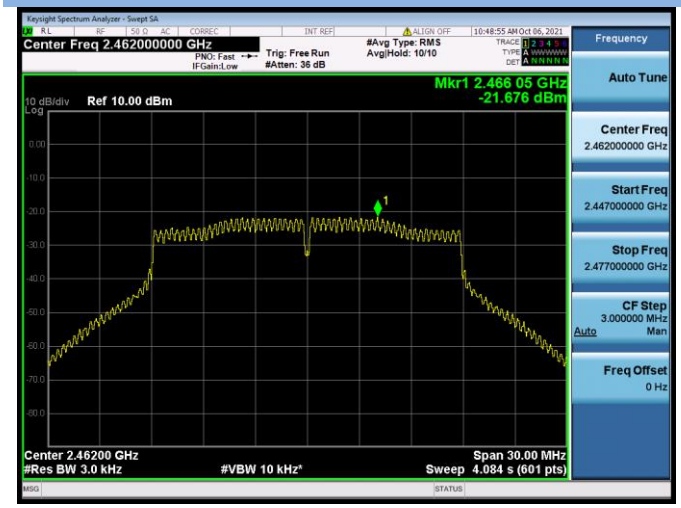
MIMO-Aux. Antenna

802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL

802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL

802.11n-40 MHz MIDDLE CHANNEL

802.11n-40 MHz HIGH CHANNEL

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2190990-AR.pdf”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2190990-AW.pdf”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2190990-AI.pdf”.

--END OF REPORT--