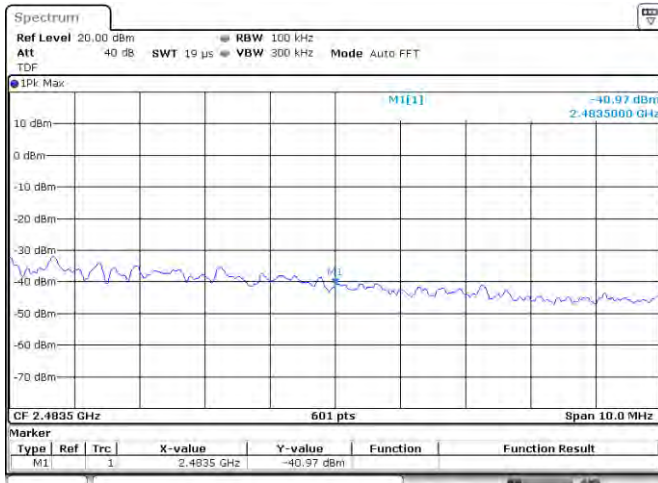
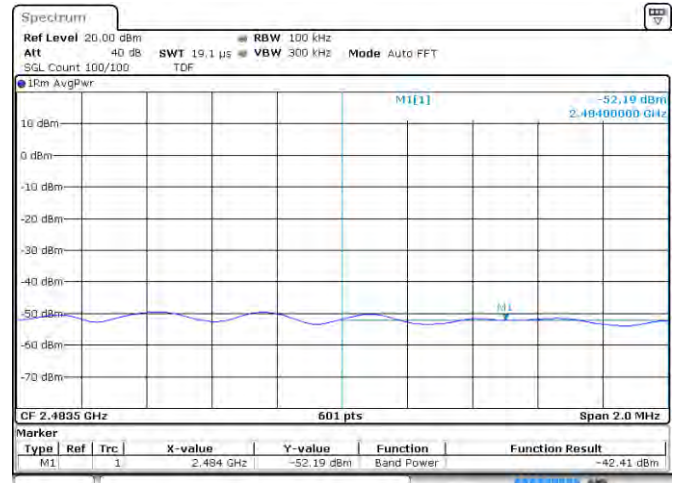


802.11g HIGH CHANNEL, Carrier level



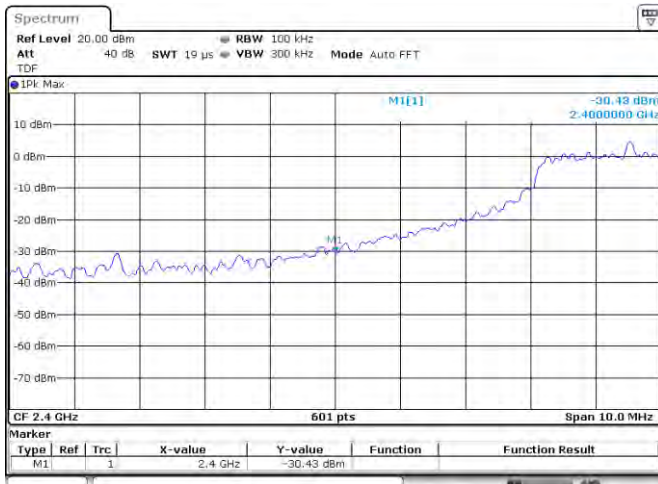
Date: 27 APR 2021 17:36:33

802.11g HIGH CHANNEL, Reference level



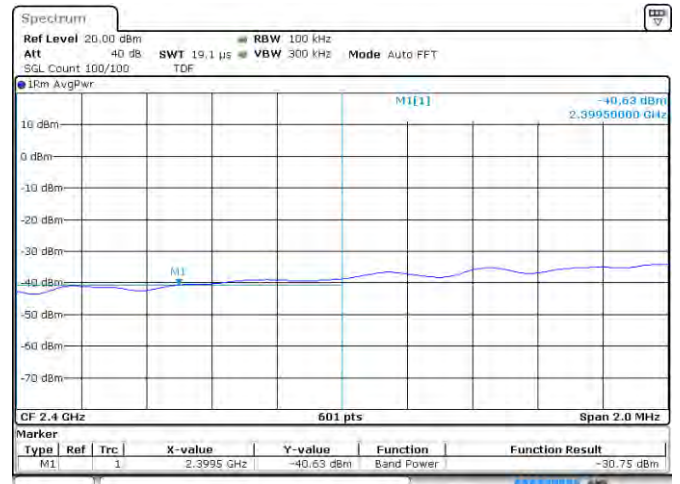
Date: 27 APR 2021 17:36:40

802.11n-20 MHz LOW CHANNEL, Carrier level



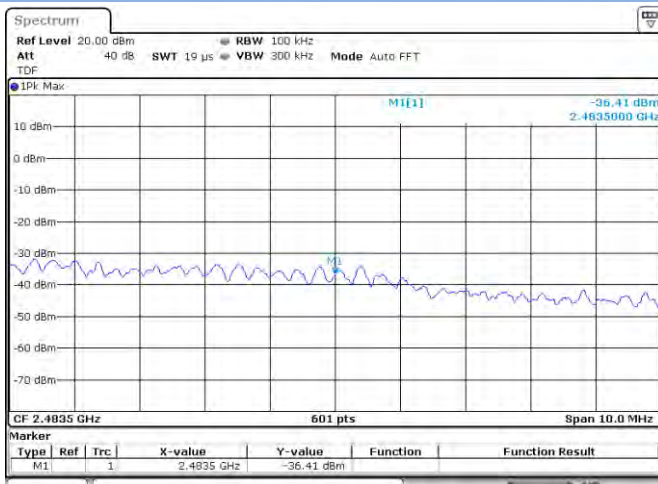
Date: 27 APR 2021 17:39:26

802.11n-20 MHz LOW CHANNEL, Reference level



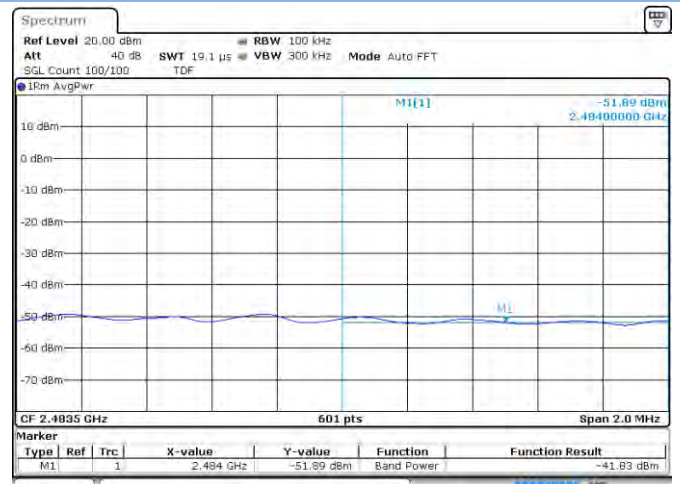
Date: 27 APR 2021 17:39:36

802.11n-20 MHz HIGH CHANNEL, Carrier level



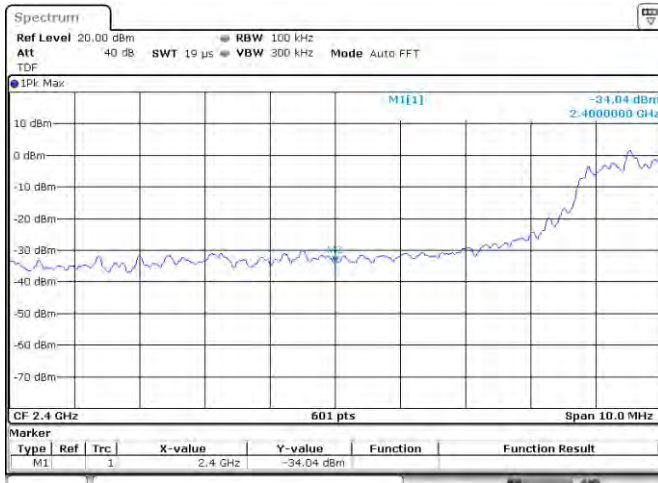
Date: 27 APR 2021 17:44:33

802.11n-20 MHz HIGH CHANNEL, Reference level



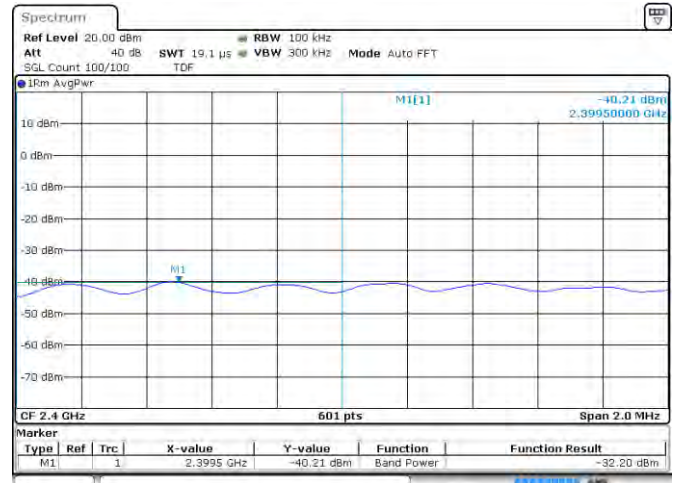
Date: 27 APR 2021 17:44:39

802.11n-40 MHz LOW CHANNEL, Carrier level



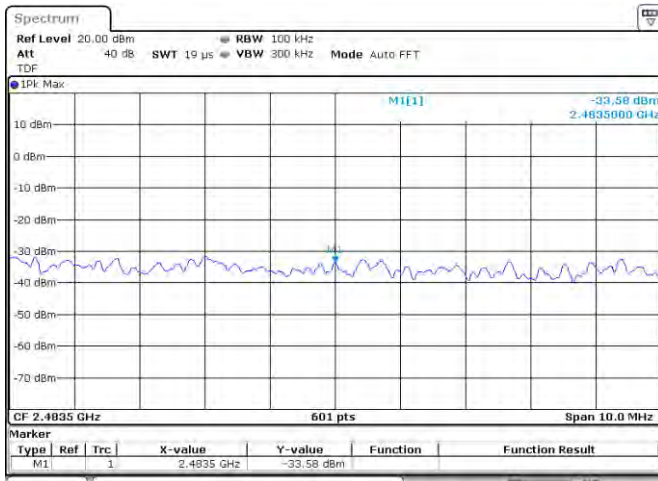
Date: 27 APR 2021 17:47:15

802.11n-40 MHz LOW CHANNEL, Reference level



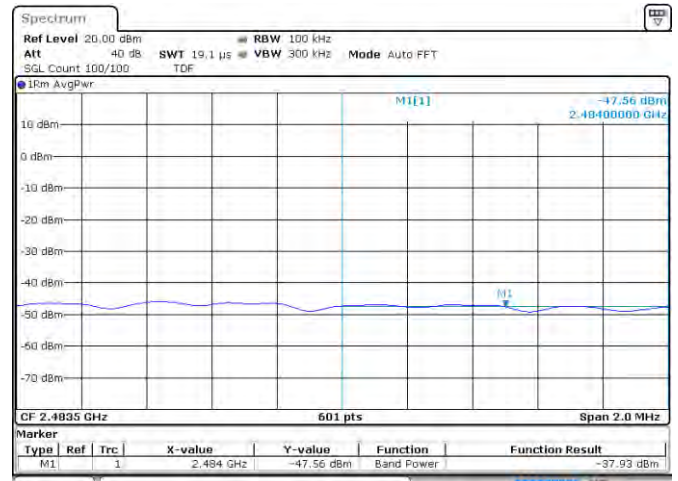
Date: 27 APR 2021 17:47:22

802.11n-40 MHz HIGH CHANNEL, Carrier level



Date: 27 APR 2021 17:52:29

802.11n-40 MHz HIGH CHANNEL, Reference level



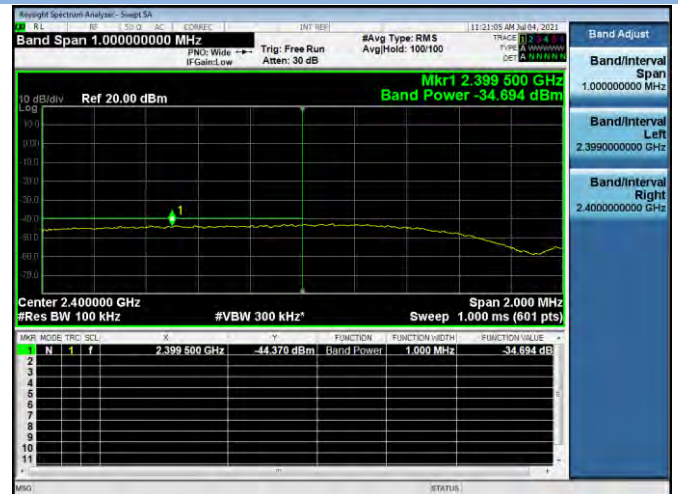
Date: 27 APR 2021 17:52:37

Aux. Antenna

802.11b LOW CHANNEL, Carrier level

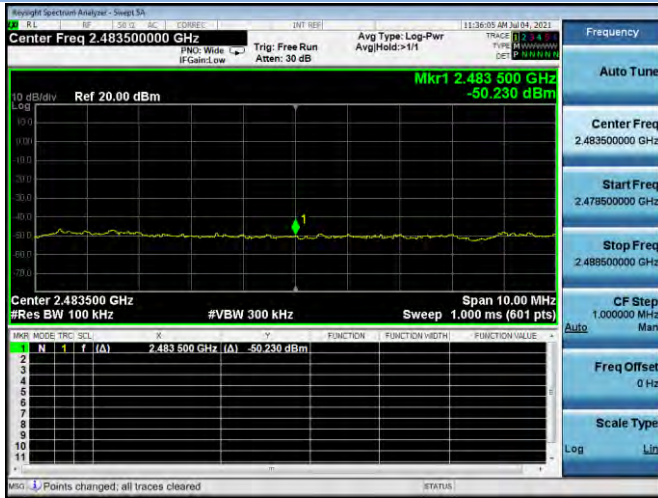


802.11b LOW CHANNEL, Reference level

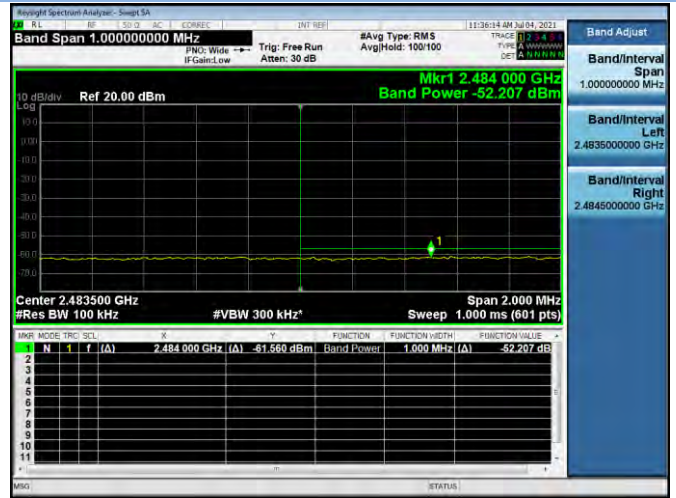




802.11b HIGH CHANNEL, Carrier level



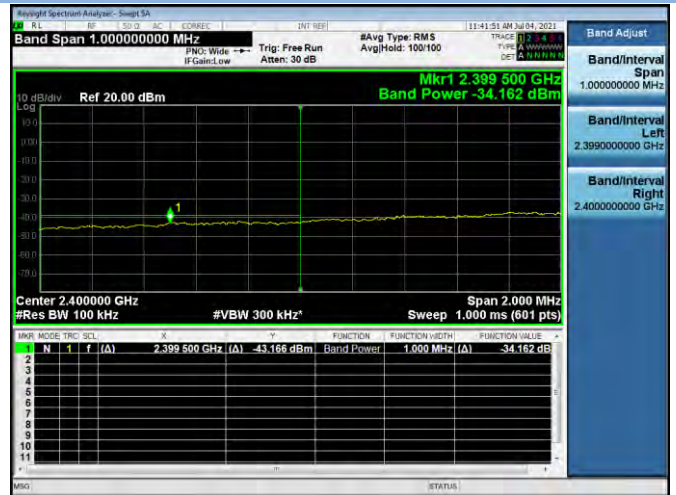
802.11b HIGH CHANNEL, Reference level



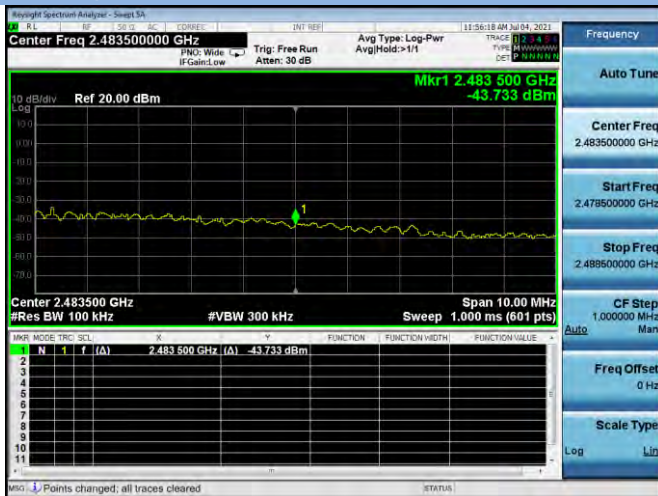
802.11g LOW CHANNEL, Carrier level



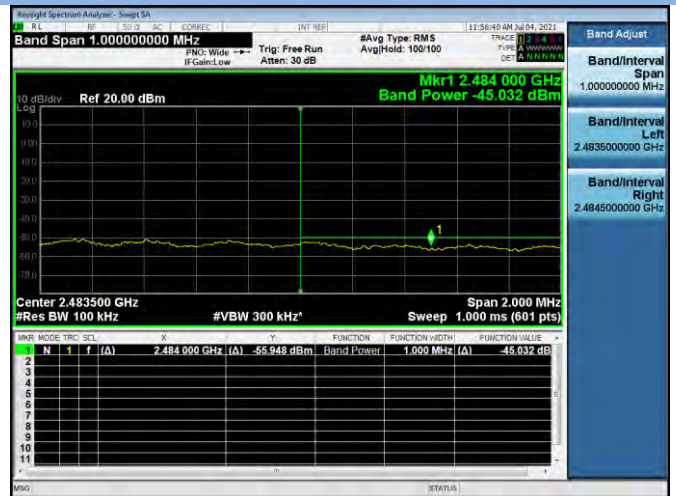
802.11g LOW CHANNEL, Reference level



802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Reference level



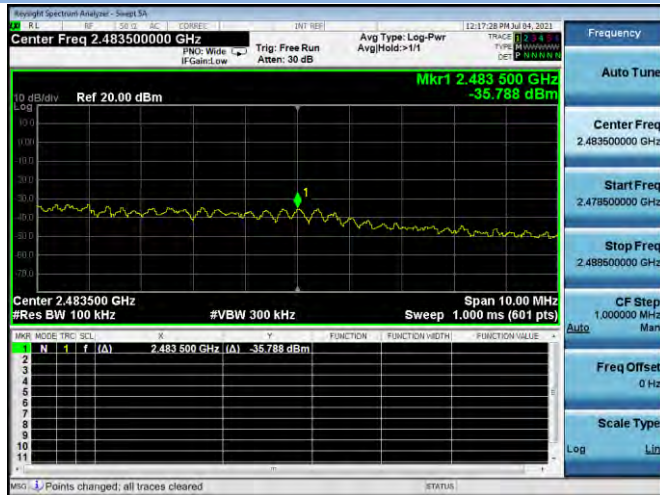
802.11n-20 MHz LOW CHANNEL, Carrier level



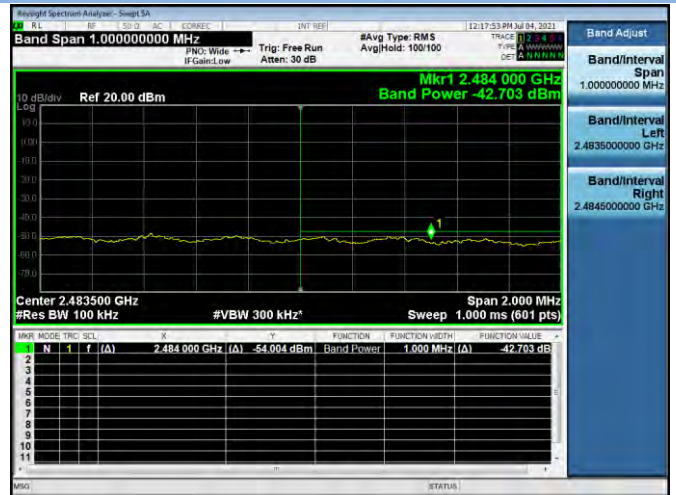
802.11n-20 MHz LOW CHANNEL, Reference level



802.11n-20 MHz HIGH CHANNEL, Carrier level



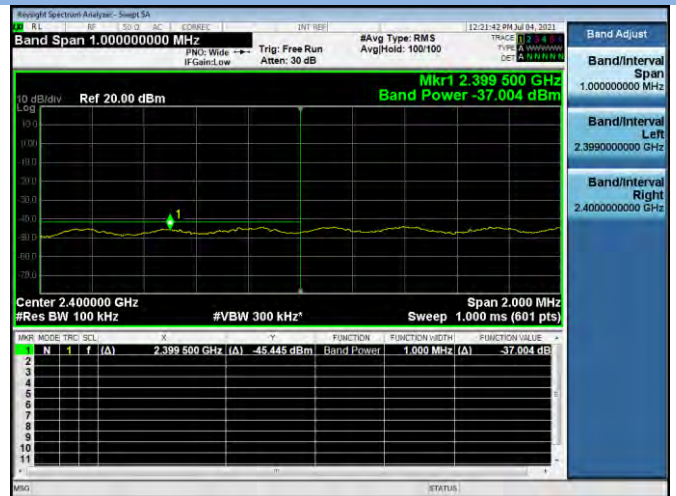
802.11n-20 MHz HIGH CHANNEL, Reference level



802.11n-40 MHz LOW CHANNEL, Carrier level

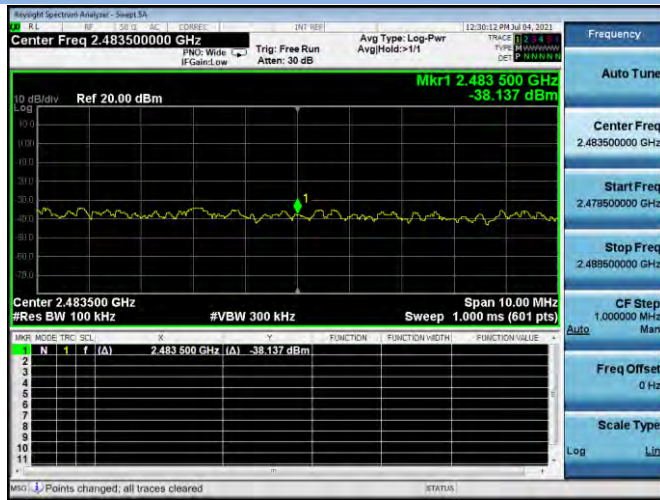


802.11n-40 MHz LOW CHANNEL, Reference level

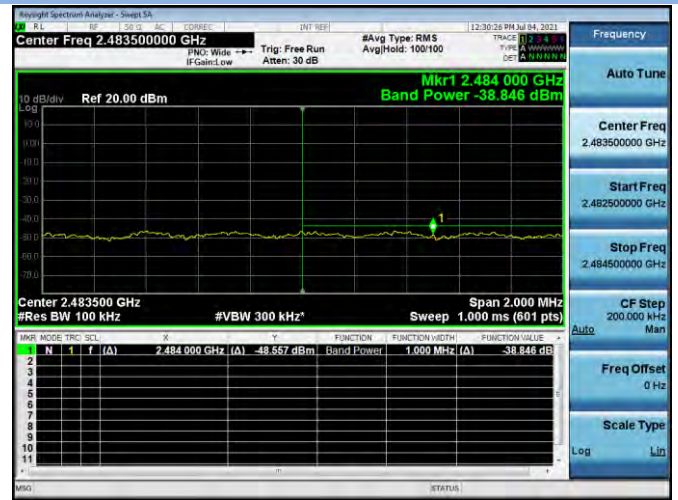




802.11n-40 MHz HIGH CHANNEL, Carrier level

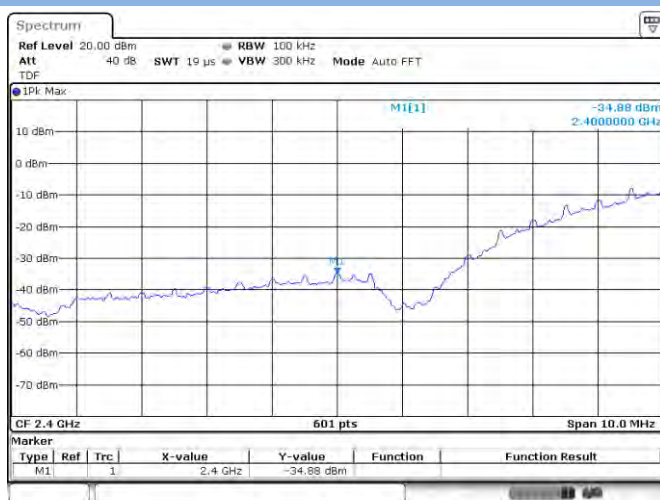


802.11n-40 MHz HIGH CHANNEL, Reference level



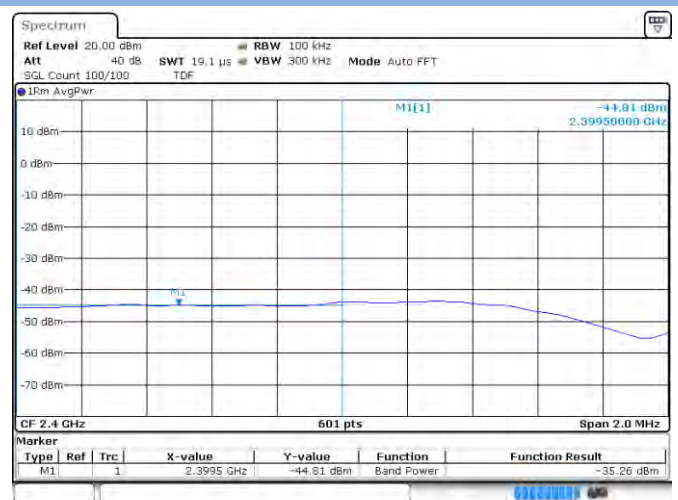
MIMO-Main Antenna

802.11b LOW CHANNEL, Carrier level



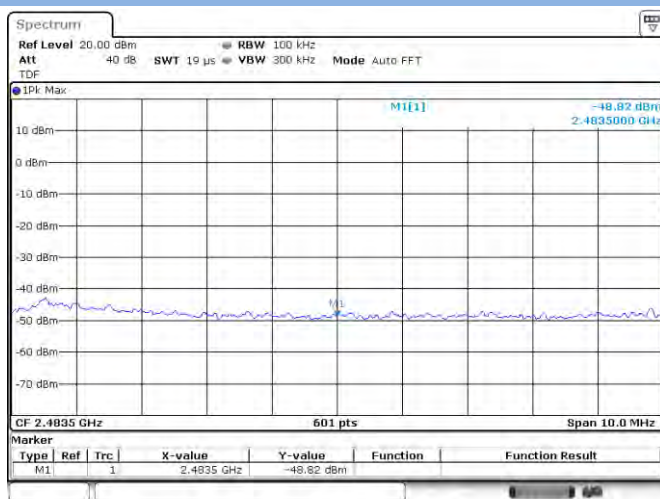
Date: 27 APR 2021 17:57:38

802.11b LOW CHANNEL, Reference level



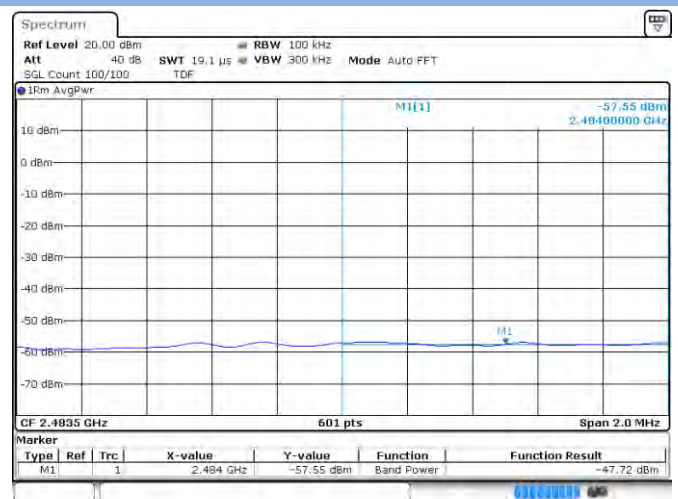
Date: 27 APR 2021 17:57:44

802.11b HIGH CHANNEL, Carrier level



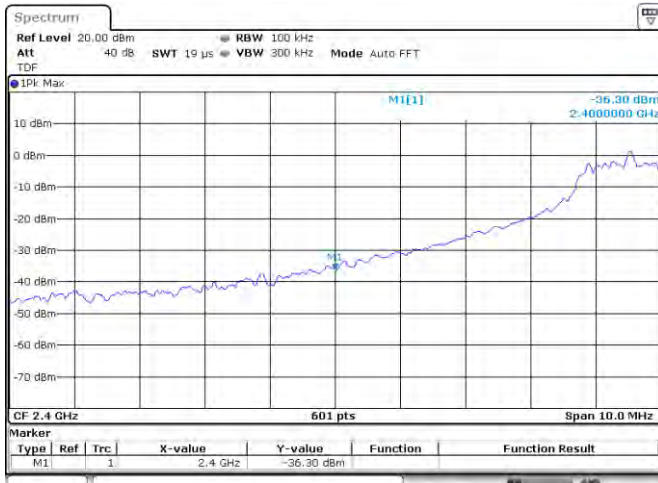
Date: 27 APR 2021 18:36:52

802.11b HIGH CHANNEL, Reference level



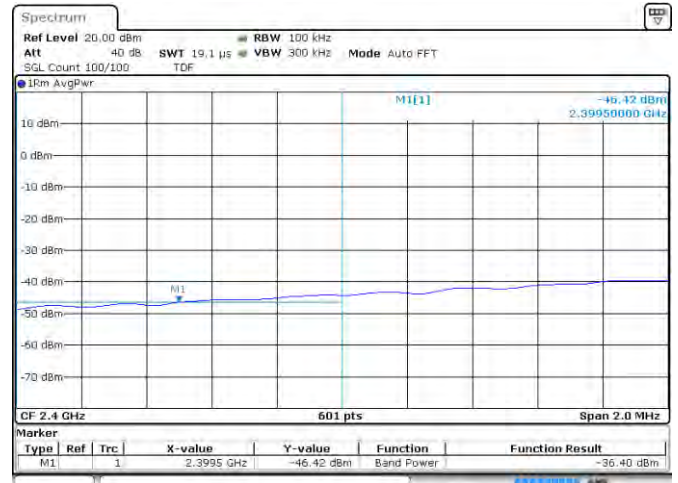
Date: 27 APR 2021 18:36:59

802.11g LOW CHANNEL, Carrier level



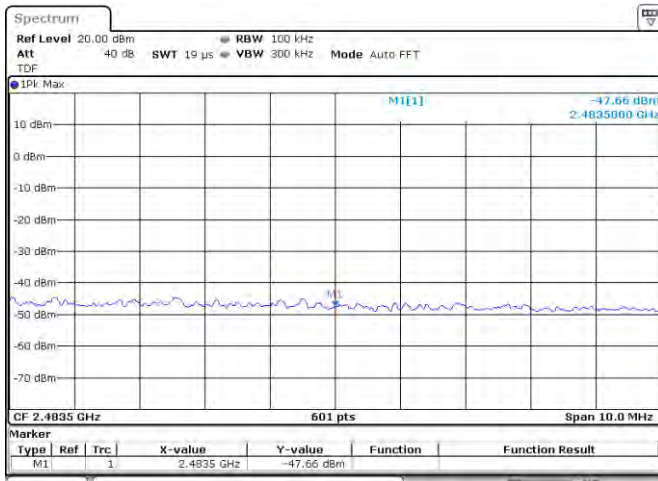
Date: 27 APR 2021 18:42:47

802.11g LOW CHANNEL, Reference level



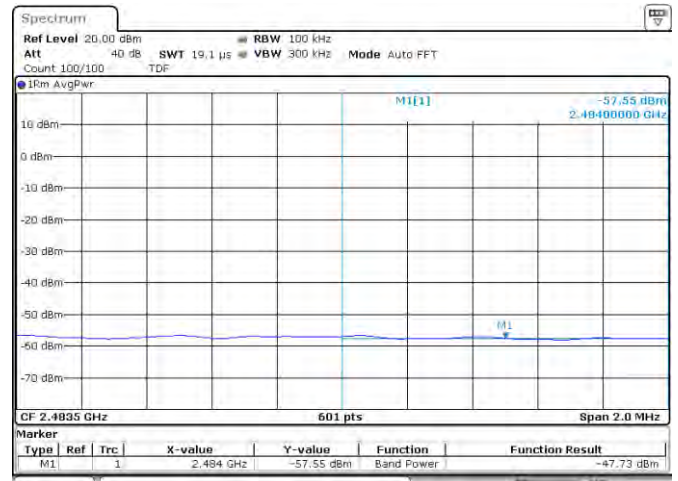
Date: 27 APR 2021 18:42:55

802.11g HIGH CHANNEL, Carrier level



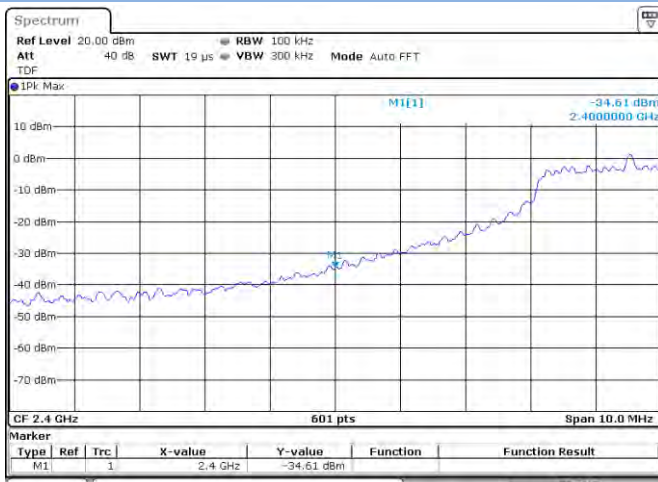
Date: 27 APR 2021 18:48:21

802.11g HIGH CHANNEL, Reference level



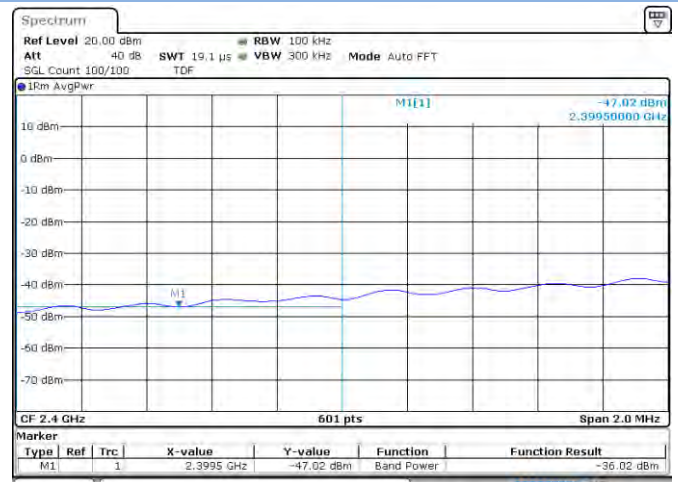
Date: 27 APR 2021 18:48:26

802.11n-20 MHz LOW CHANNEL, Carrier level



Date: 27 APR 2021 18:51:49

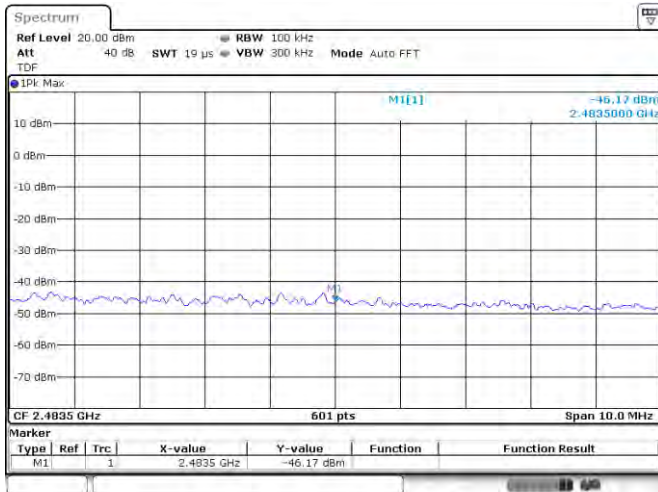
802.11n-20 MHz LOW CHANNEL, Reference level



Date: 27 APR 2021 18:51:57

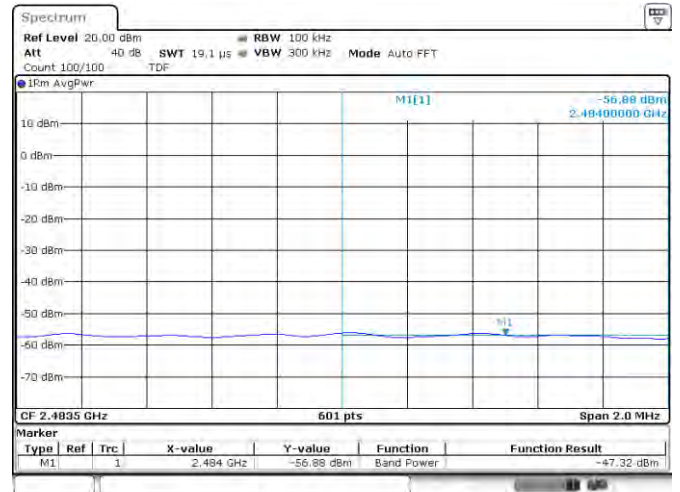


802.11n-20 MHz HIGH CHANNEL, Carrier level



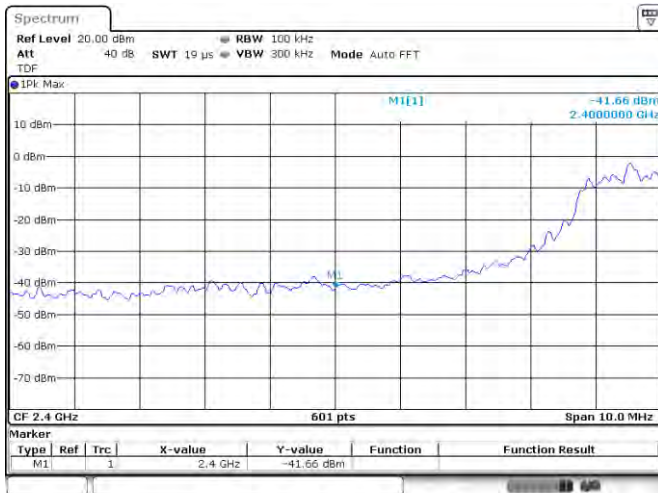
Date: 27 APR.2021 18:58:10

802.11n-20 MHz HIGH CHANNEL, Reference level



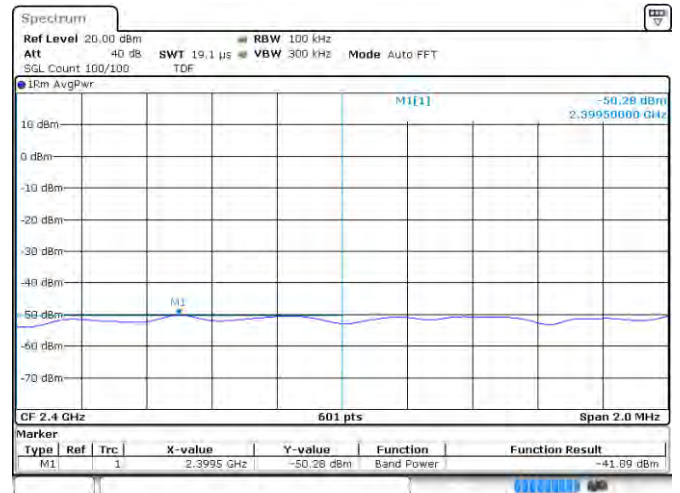
Date: 27 APR.2021 18:58:18

802.11n-40 MHz LOW CHANNEL, Carrier level



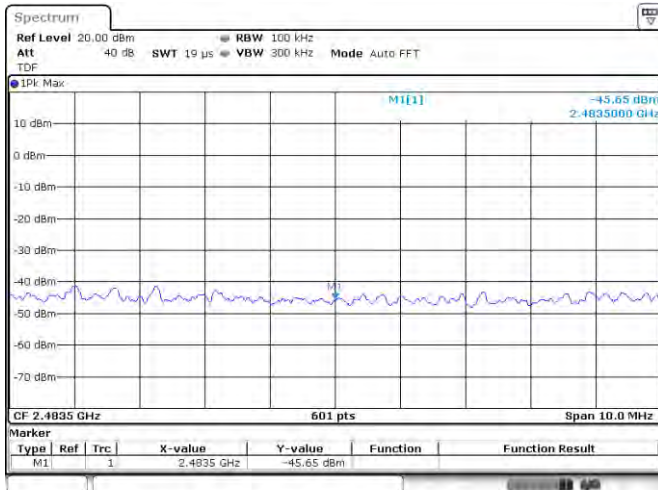
Date: 27 APR.2021 19:01:08

802.11n-40 MHz LOW CHANNEL, Reference level



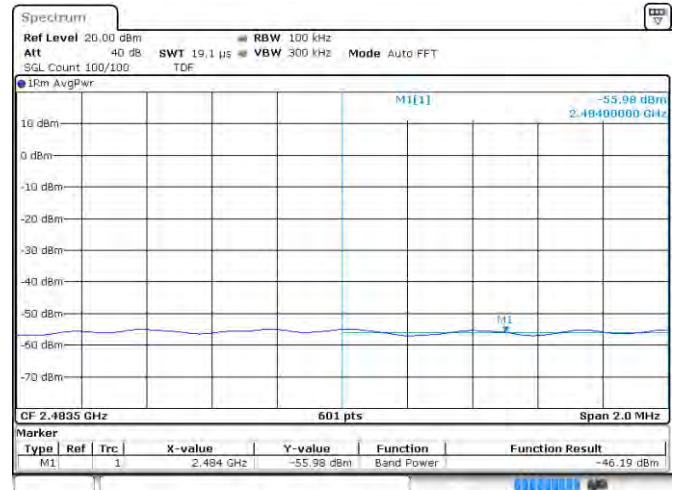
Date: 27 APR.2021 19:01:14

802.11n-40 MHz HIGH CHANNEL, Carrier level



Date: 27 APR.2021 19:05:39

802.11n-40 MHz HIGH CHANNEL, Reference level



Date: 27 APR.2021 19:05:46

MIMO-Aux. Antenna

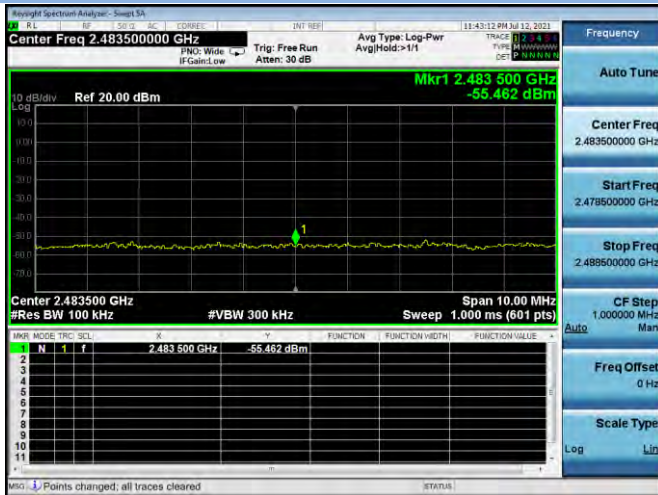
802.11b LOW CHANNEL, Carrier level



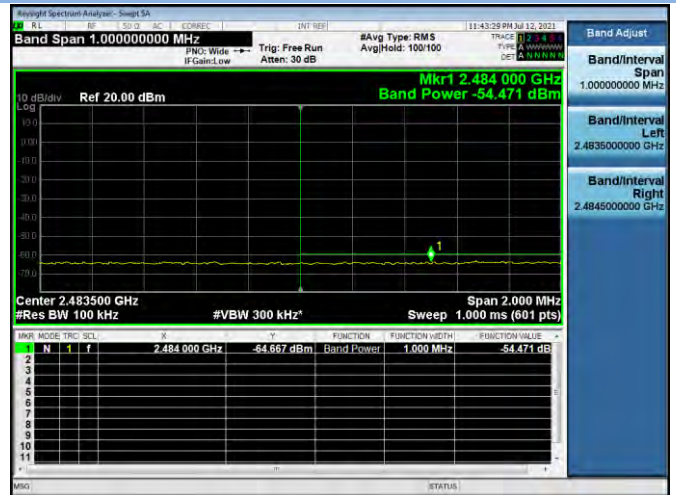
802.11b LOW CHANNEL, Reference level



802.11b HIGH CHANNEL, Carrier level



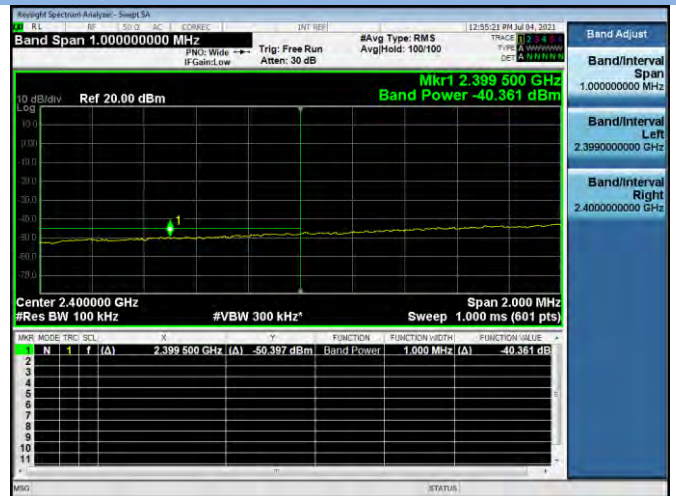
802.11b HIGH CHANNEL, Reference level



802.11g LOW CHANNEL, Carrier level

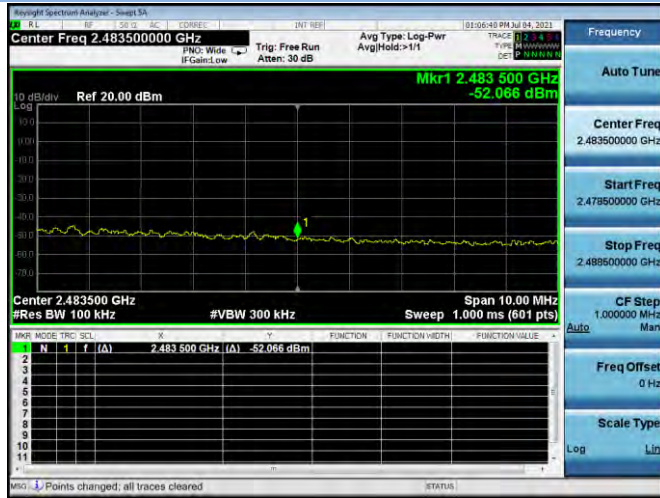


802.11g LOW CHANNEL, Reference level

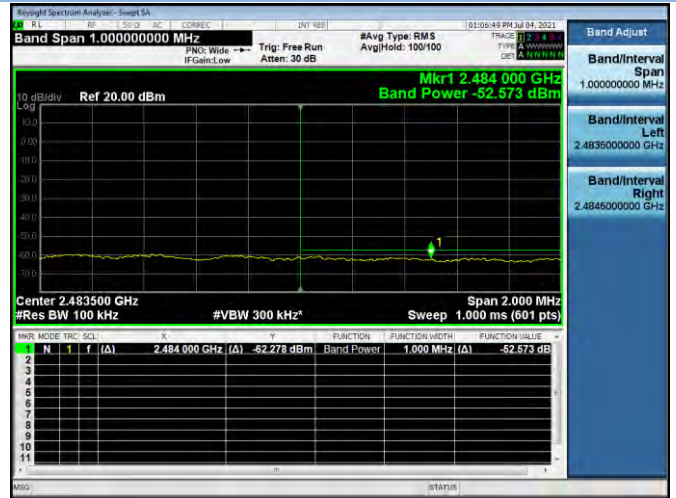




802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Reference level



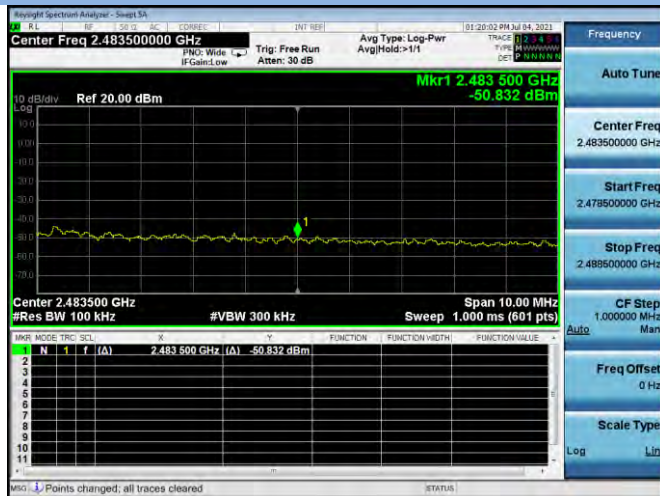
802.11n-20 MHz LOW CHANNEL, Carrier level



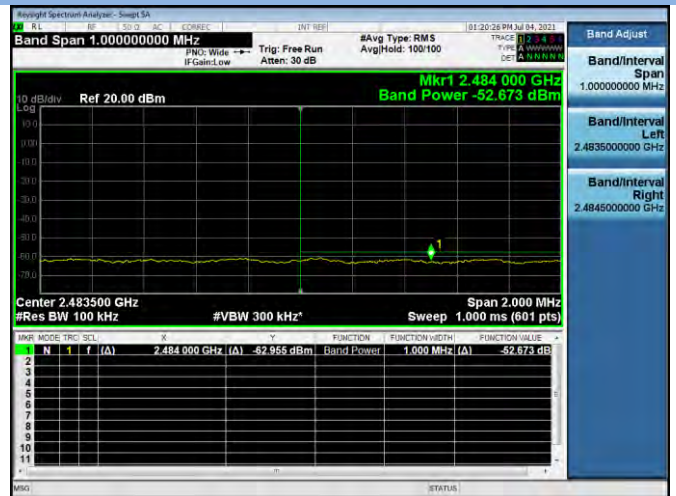
802.11n-20 MHz LOW CHANNEL, Reference level



802.11n-20 MHz HIGH CHANNEL, Carrier level



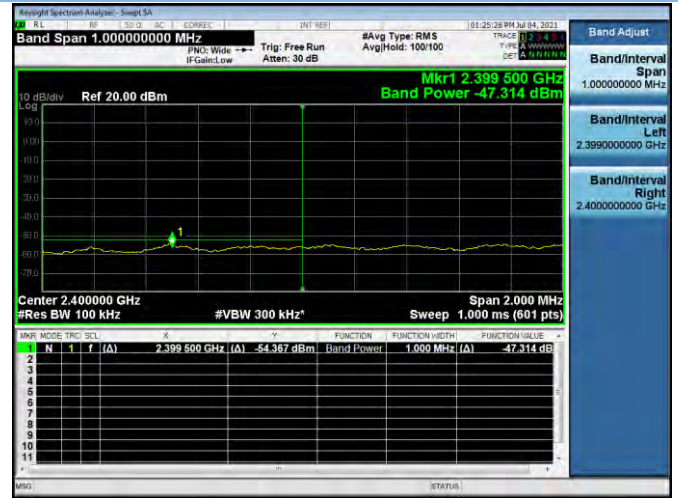
802.11n-20 MHz HIGH CHANNEL, Reference level



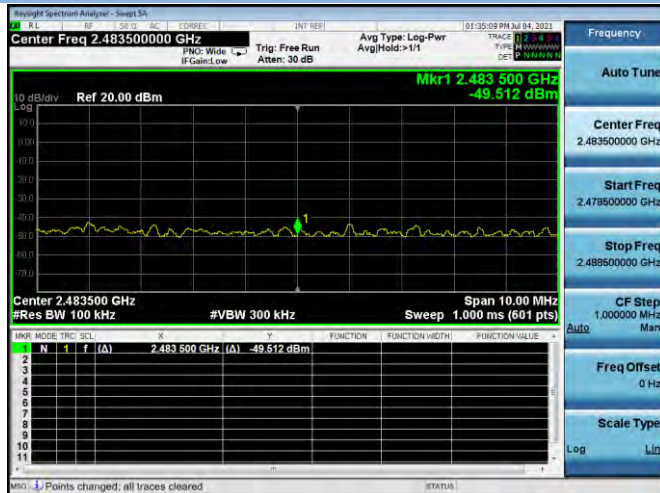
802.11n-40 MHz LOW CHANNEL, Carrier level



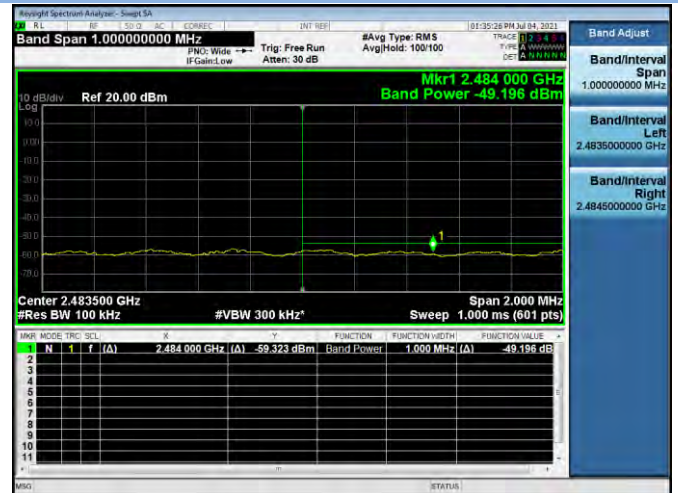
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level





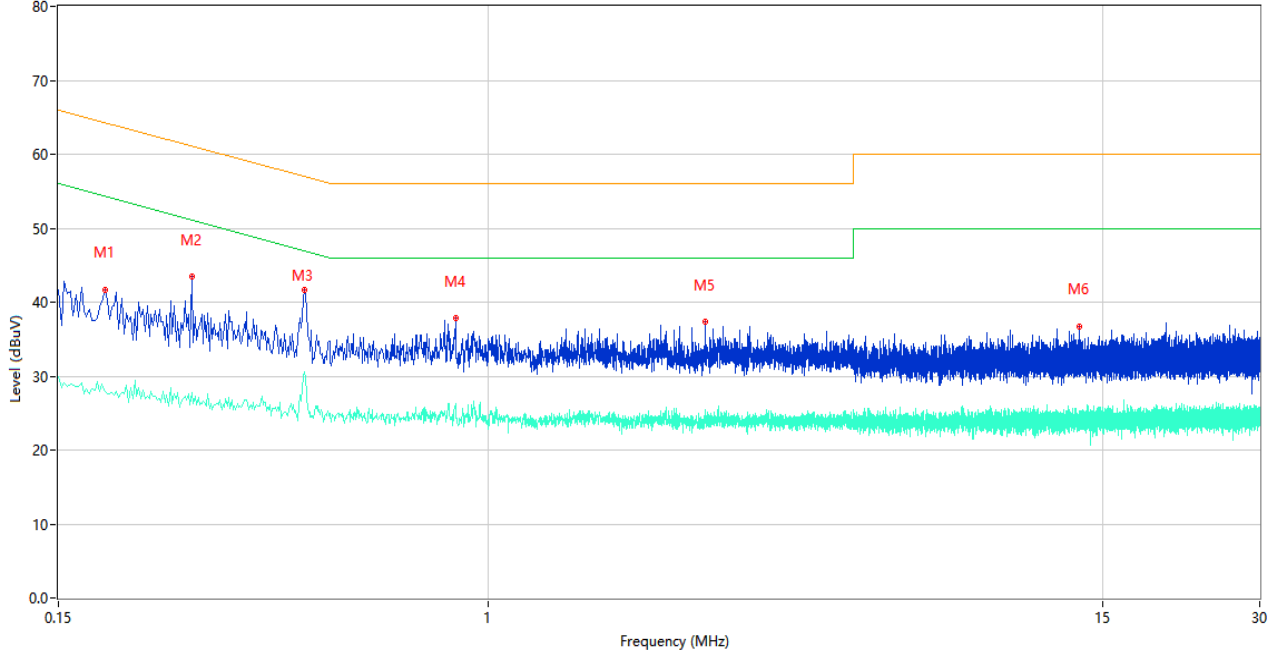
## A.5 Conducted Emissions

Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.  
 Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

### Test Data and Plots

#### PHASE L

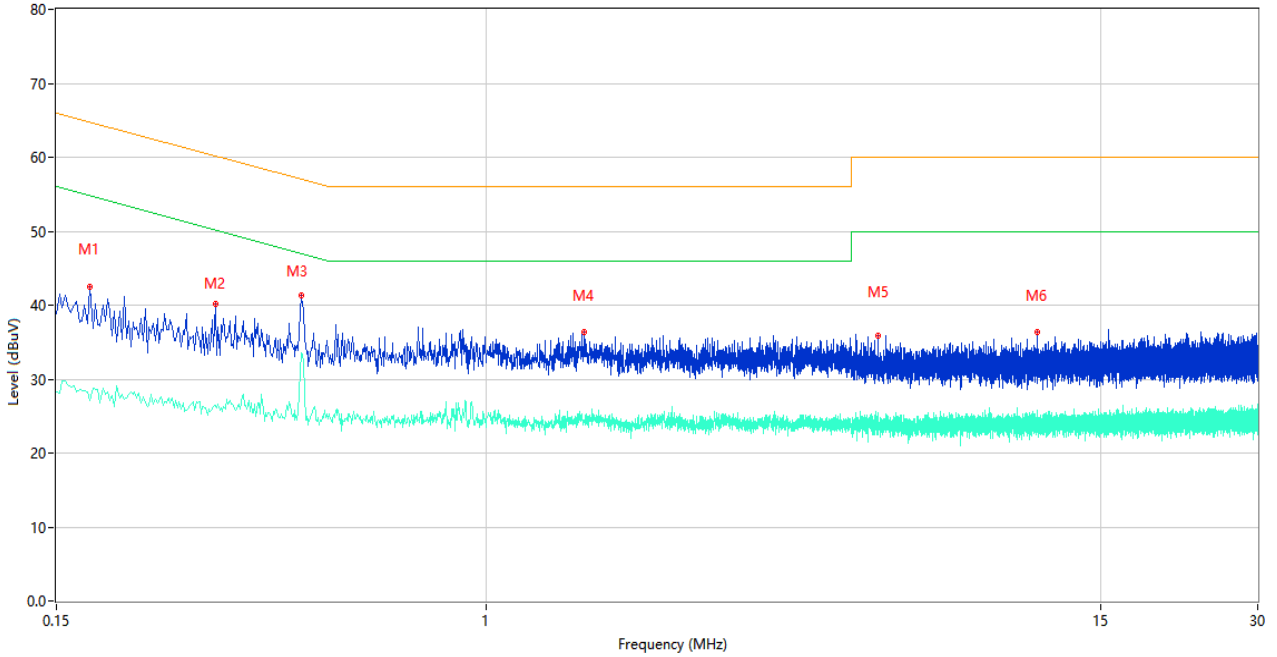
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.184	41.71	10.39	64.30	-22.59	Peak	L	Pass
1**	0.184	27.85	10.39	54.30	-26.45	AV	L	Pass
2	0.270	43.39	10.34	61.12	-17.73	Peak	L	Pass
2**	0.270	27.75	10.34	51.12	-23.37	AV	L	Pass
3	0.444	41.69	10.30	56.99	-15.30	Peak	L	Pass
3**	0.444	30.64	10.30	46.99	-16.35	AV	L	Pass
4	0.864	37.79	10.24	56.00	-18.21	Peak	L	Pass
4**	0.864	26.28	10.24	46.00	-19.72	AV	L	Pass
5	2.606	37.43	10.28	56.00	-18.57	Peak	L	Pass
5**	2.606	25.50	10.28	46.00	-20.50	AV	L	Pass
6	13.568	36.64	10.39	60.00	-23.36	Peak	L	Pass
6**	13.568	24.59	10.39	50.00	-25.41	AV	L	Pass

PHASE N

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.174	42.56	10.39	64.77	-22.21	Peak	N	Pass
1**	0.174	27.16	10.39	54.77	-27.61	AV	N	Pass
2	0.302	40.15	10.33	60.19	-20.04	Peak	N	Pass
2**	0.302	26.42	10.33	50.19	-23.77	AV	N	Pass
3	0.442	41.30	10.31	57.02	-15.72	Peak	N	Pass
3**	0.442	33.54	10.31	47.02	-13.48	AV	N	Pass
4	1.536	36.44	10.24	56.00	-19.56	Peak	N	Pass
4**	1.536	24.08	10.24	46.00	-21.92	AV	N	Pass
5	5.616	35.82	10.32	60.00	-24.18	Peak	N	Pass
5**	5.616	23.67	10.32	50.00	-26.33	AV	N	Pass
6	11.372	36.41	10.38	60.00	-23.59	Peak	N	Pass
6**	11.372	24.39	10.38	50.00	-25.61	AV	N	Pass



## A.6 Radiated Emission

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

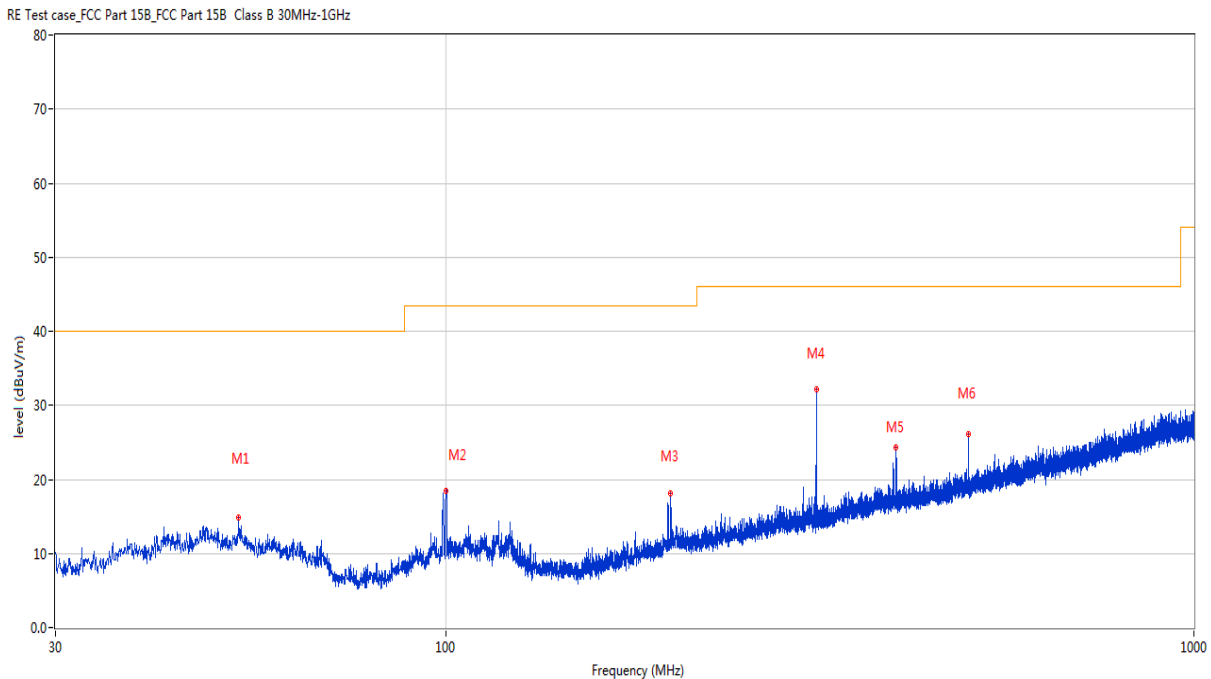
Note<sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

### Test Data and Plots

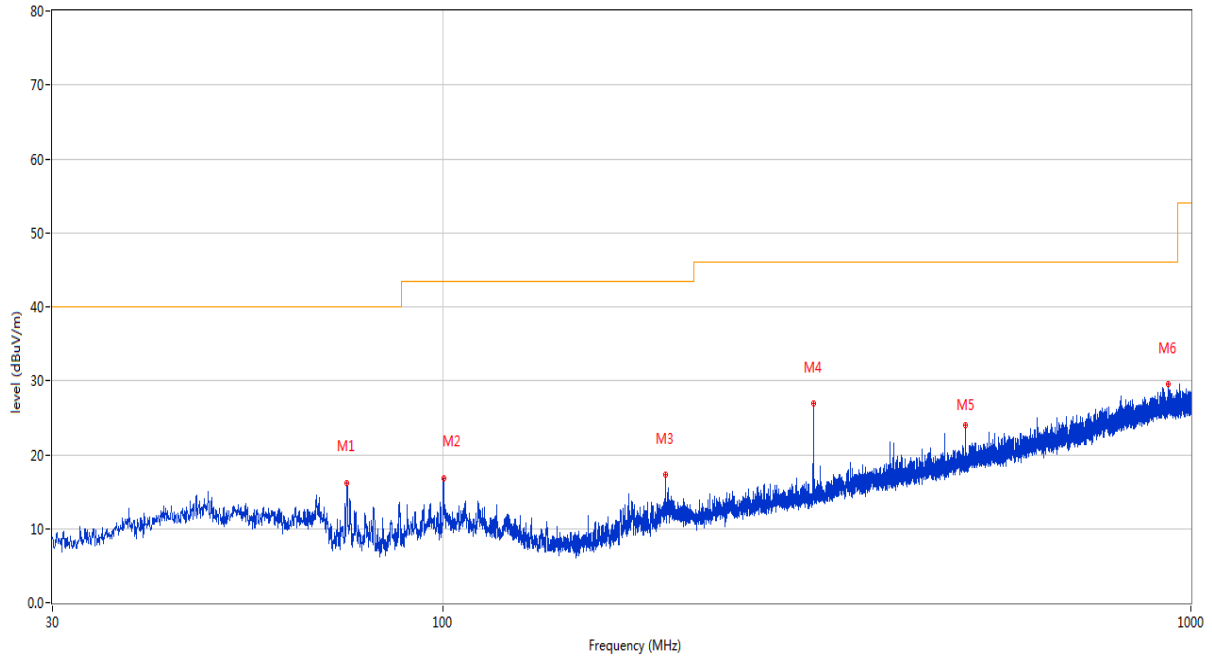
#### 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.746	14.78	-23.04	40.0	-25.22	Peak	9.40	200	Horizontal	Pass
2	99.743	18.45	-24.78	43.5	-25.05	Peak	210.20	200	Horizontal	Pass
3	199.653	18.08	-24.11	43.5	-25.42	Peak	199.80	200	Horizontal	Pass
4	312.513	32.12	-21.33	46.0	-13.88	Peak	79.20	100	Horizontal	Pass
5	399.716	24.38	-19.06	46.0	-21.62	Peak	360.00	200	Horizontal	Pass
6	500.014	26.08	-16.93	46.0	-19.92	Peak	360.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	74.329	16.16	-28.52	40.0	-23.84	Peak	69.60	100	Vertical	Pass
2	100.082	16.89	-24.76	43.5	-26.61	Peak	341.90	100	Vertical	Pass
3	198.198	17.25	-24.18	43.5	-26.25	Peak	331.20	100	Vertical	Pass
4	312.513	26.88	-21.33	46.0	-19.12	Peak	190.70	100	Vertical	Pass
5	500.014	23.96	-16.93	46.0	-22.04	Peak	239.70	200	Vertical	Pass
6	932.682	29.51	-9.28	46.0	-16.49	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	1474.700	40.78	-15.13	74.0	-33.22	Peak	105.00	150	Horizontal	Pass
1**	1474.700	31.83	-15.13	54.0	-22.17	AV	105.00	150	Horizontal	Pass
2	2411.100	91.92	-10.37	74.0	17.92	Peak	288.00	150	Horizontal	N/A
2**	2411.100	90.04	-10.37	54.0	36.04	AV	288.00	150	Horizontal	N/A
3	4824.200	54.18	-1.44	74.0	-19.82	Peak	269.00	150	Horizontal	Pass
3**	4824.200	49.90	-1.44	54.0	-4.10	AV	269.00	150	Horizontal	Pass
4	6982.800	52.59	4.66	74.0	-21.41	Peak	109.00	150	Horizontal	Pass
4**	6982.800	42.95	4.66	54.0	-11.05	AV	109.00	150	Horizontal	Pass
5	12099.963	49.82	19.40	74.0	-24.18	Peak	209.00	150	Horizontal	Pass
5**	12099.963	38.34	19.40	54.0	-15.66	AV	209.00	150	Horizontal	Pass
6	17750.886	57.40	23.80	74.0	-16.60	Peak	360.00	150	Horizontal	Pass
6**	17750.886	44.90	23.80	54.0	-9.10	AV	360.00	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	1117.300	41.34	-15.29	74.0	-32.66	Peak	209.00	150	Vertical	Pass
1**	1117.300	31.40	-15.29	54.0	-22.60	AV	209.00	150	Vertical	Pass
2	2411.800	102.10	-10.33	74.0	28.10	Peak	194.00	150	Vertical	N/A
2**	2411.800	99.07	-10.33	54.0	45.07	AV	194.00	150	Vertical	N/A
3	4824.200	50.38	-1.44	74.0	-23.62	Peak	226.00	150	Vertical	Pass
3**	4824.200	46.46	-1.44	54.0	-7.54	AV	226.00	150	Vertical	Pass
4	6972.800	52.52	5.10	74.0	-21.48	Peak	166.00	150	Vertical	Pass
4**	6972.800	43.84	5.10	54.0	-10.16	AV	166.00	150	Vertical	Pass
5	12702.850	50.47	18.96	74.0	-23.53	Peak	159.00	150	Vertical	Pass
5**	12702.850	39.00	18.96	54.0	-15.00	AV	159.00	150	Vertical	Pass
6	17323.536	56.53	24.26	74.0	-17.47	Peak	229.00	150	Vertical	Pass
6**	17323.536	45.85	24.26	54.0	-8.15	AV	229.00	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	1800.200	39.11	-14.64	74.0	-34.89	Peak	223.00	150	Horizontal	Pass
1**	1800.200	32.31	-14.64	54.0	-21.69	AV	223.00	150	Horizontal	Pass
2	2436.100	90.73	-10.62	74.0	16.73	Peak	274.00	150	Horizontal	N/A
2**	2436.100	88.90	-10.62	54.0	34.90	AV	274.00	150	Horizontal	N/A
3	4874.200	51.45	-1.55	74.0	-22.55	Peak	287.00	150	Horizontal	Pass
3**	4874.200	49.13	-1.55	54.0	-4.87	AV	287.00	150	Horizontal	Pass
4	6991.400	52.83	4.40	74.0	-21.17	Peak	316.00	150	Horizontal	Pass
4**	6991.400	43.25	4.40	54.0	-10.75	AV	316.00	150	Horizontal	Pass
5	11712.700	49.98	19.59	74.0	-24.02	Peak	72.00	150	Horizontal	Pass
5**	11712.700	38.19	19.59	54.0	-15.81	AV	72.00	150	Horizontal	Pass
6	17879.775	56.84	24.42	74.0	-17.16	Peak	0.00	150	Horizontal	Pass
6**	17879.775	46.25	24.42	54.0	-7.75	AV	0.00	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	1115.400	42.37	-15.35	74.0	-31.63	Peak	216.00	150	Vertical	Pass
1**	1115.400	31.05	-15.35	54.0	-22.95	AV	216.00	150	Vertical	Pass
2	2436.100	102.57	-10.62	74.0	28.57	Peak	216.00	150	Vertical	N/A
2**	2436.100	100.86	-10.62	54.0	46.86	AV	216.00	150	Vertical	N/A
3	4874.200	49.23	-1.55	74.0	-24.77	Peak	52.00	150	Vertical	Pass
3**	4874.200	45.59	-1.55	54.0	-8.41	AV	52.00	150	Vertical	Pass
4	6920.000	52.81	4.51	74.0	-21.19	Peak	334.00	150	Vertical	Pass
4**	6920.000	43.67	4.51	54.0	-10.33	AV	334.00	150	Vertical	Pass
5	11702.062	50.32	19.78	74.0	-23.68	Peak	317.00	150	Vertical	Pass
5**	11702.062	37.67	19.78	54.0	-16.33	AV	317.00	150	Vertical	Pass
6	17897.626	57.60	24.54	74.0	-16.40	Peak	253.00	150	Vertical	Pass
6**	17897.626	45.88	24.54	54.0	-8.12	AV	253.00	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	1136.800	38.93	-15.21	74.0	-35.07	Peak	140.00	150	Horizontal	Pass
1**	1136.800	29.21	-15.21	54.0	-24.79	AV	140.00	150	Horizontal	Pass
2	2461.100	91.22	-10.46	74.0	17.22	Peak	69.00	150	Horizontal	N/A
2**	2461.100	89.45	-10.46	54.0	35.45	AV	69.00	150	Horizontal	N/A
3	4924.200	51.37	-1.09	74.0	-22.63	Peak	289.00	150	Horizontal	Pass
3**	4924.200	50.31	-1.09	54.0	-3.69	AV	289.00	150	Horizontal	Pass
4	6970.800	52.72	5.11	74.0	-21.28	Peak	16.00	150	Horizontal	Pass
4**	6970.800	43.48	5.11	54.0	-10.52	AV	16.00	150	Horizontal	Pass
5	12338.875	50.29	19.79	74.0	-23.71	Peak	362.00	150	Horizontal	Pass
5**	12338.875	38.39	19.79	54.0	-15.61	AV	362.00	150	Horizontal	Pass
6	17304.375	57.38	24.54	74.0	-16.62	Peak	340.00	150	Horizontal	Pass
6**	17304.375	45.31	24.54	54.0	-8.69	AV	340.00	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	1120.000	41.33	-15.24	74.0	-32.67	Peak	209.00	150	Vertical	Pass
1**	1120.000	32.84	-15.24	54.0	-21.16	AV	209.00	150	Vertical	Pass
2	2462.900	102.51	-10.46	74.0	28.51	Peak	22.00	150	Vertical	N/A
2**	2462.900	100.45	-10.46	54.0	46.45	AV	22.00	150	Vertical	N/A
3	4924.200	49.30	-1.09	74.0	-24.70	Peak	64.00	150	Vertical	Pass
3**	4924.200	46.89	-1.09	54.0	-7.11	AV	64.00	150	Vertical	Pass
4	6664.000	53.54	4.21	74.0	-20.46	Peak	122.00	150	Vertical	Pass
4**	6664.000	43.41	4.21	54.0	-10.59	AV	122.00	150	Vertical	Pass
5	12798.825	49.84	18.95	74.0	-24.16	Peak	329.00	150	Vertical	Pass
5**	12798.825	37.11	18.95	54.0	-16.89	AV	329.00	150	Vertical	Pass
6	17774.250	56.60	23.74	74.0	-17.40	Peak	227.00	150	Vertical	Pass
6**	17774.250	44.47	23.74	54.0	-9.53	AV	227.00	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	1135.700	38.87	-15.21	74.0	-35.13	Peak	201.00	150	Horizontal	Pass
1**	1135.700	29.51	-15.21	54.0	-24.49	AV	201.00	150	Horizontal	Pass
2	2413.800	94.47	-10.09	74.0	20.47	Peak	289.00	150	Horizontal	N/A
2**	2413.800	87.19	-10.09	54.0	33.19	AV	289.00	150	Horizontal	N/A
3	4450.000	47.26	-2.41	74.0	-26.74	Peak	269.00	150	Horizontal	Pass
3**	4450.000	39.37	-2.41	54.0	-14.63	AV	269.00	150	Horizontal	Pass
4	6929.800	52.56	4.24	74.0	-21.44	Peak	23.00	150	Horizontal	Pass
4**	6929.800	43.24	4.24	54.0	-10.76	AV	23.00	150	Horizontal	Pass
5	12136.188	50.61	19.81	74.0	-23.39	Peak	233.00	150	Horizontal	Pass
5**	12136.188	39.61	19.81	54.0	-14.39	AV	233.00	150	Horizontal	Pass
6	17793.151	56.33	23.82	74.0	-17.67	Peak	52.00	150	Horizontal	Pass
6**	17793.151	45.28	23.82	54.0	-8.72	AV	52.00	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	1113.100	42.74	-15.33	74.0	-31.26	Peak	204.00	150	Vertical	Pass
1**	1113.100	32.19	-15.33	54.0	-21.81	AV	204.00	150	Vertical	Pass
2	2414.800	103.82	-10.06	74.0	29.82	Peak	299.00	150	Vertical	N/A
2**	2414.800	97.22	-10.06	54.0	43.22	AV	299.00	150	Vertical	N/A
3	4473.400	47.88	-2.54	74.0	-26.12	Peak	218.00	150	Vertical	Pass
3**	4473.400	38.44	-2.54	54.0	-15.56	AV	218.00	150	Vertical	Pass
4	6909.600	52.64	4.67	74.0	-21.36	Peak	236.00	150	Vertical	Pass
4**	6909.600	43.32	4.67	54.0	-10.68	AV	236.00	150	Vertical	Pass
5	12119.800	50.13	19.63	74.0	-23.87	Peak	0.00	150	Vertical	Pass
5**	12119.800	37.50	19.63	54.0	-16.50	AV	0.00	150	Vertical	Pass
6	17423.286	56.21	23.64	74.0	-17.79	Peak	261.00	150	Vertical	Pass
6**	17423.286	44.65	23.64	54.0	-9.35	AV	261.00	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	1124.000	38.55	-15.38	74.0	-35.45	Peak	210.00	150	Horizontal	Pass
1**	1124.000	29.26	-15.38	54.0	-24.74	AV	210.00	150	Horizontal	Pass
2	2430.200	92.86	-10.36	74.0	18.86	Peak	278.00	150	Horizontal	N/A
2**	2430.200	86.32	-10.36	54.0	32.32	AV	278.00	150	Horizontal	N/A
3	4874.000	49.07	-1.54	74.0	-24.93	Peak	291.00	150	Horizontal	Pass
3**	4874.000	41.80	-1.54	54.0	-12.20	AV	291.00	150	Horizontal	Pass
4	6973.000	52.70	5.11	74.0	-21.30	Peak	134.00	150	Horizontal	Pass
4**	6973.000	42.43	5.11	54.0	-11.57	AV	134.00	150	Horizontal	Pass
5	12719.813	50.59	18.91	74.0	-23.41	Peak	44.00	150	Horizontal	Pass
5**	12719.813	38.70	18.91	54.0	-15.30	AV	44.00	150	Horizontal	Pass
6	17878.198	57.12	24.41	74.0	-16.88	Peak	283.00	150	Horizontal	Pass
6**	17878.198	45.41	24.41	54.0	-8.59	AV	283.00	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	1122.900	40.53	-15.29	74.0	-33.47	Peak	215.00	150	Vertical	Pass
1**	1122.900	31.01	-15.29	54.0	-22.99	AV	215.00	150	Vertical	Pass
2	2438.800	104.61	-10.56	74.0	30.61	Peak	189.00	150	Vertical	N/A
2**	2438.800	98.24	-10.56	54.0	44.24	AV	189.00	150	Vertical	N/A
3	4273.800	47.05	-3.62	74.0	-26.95	Peak	348.00	150	Vertical	Pass
3**	4273.800	36.93	-3.62	54.0	-17.07	AV	348.00	150	Vertical	Pass
4	6974.800	52.57	5.18	74.0	-21.43	Peak	219.00	150	Vertical	Pass
4**	6974.800	45.02	5.18	54.0	-8.98	AV	219.00	150	Vertical	Pass
5	12146.537	49.42	19.89	74.0	-24.58	Peak	362.00	150	Vertical	Pass
5**	12146.537	38.12	19.89	54.0	-15.88	AV	362.00	150	Vertical	Pass
6	17855.099	56.65	24.18	74.0	-17.35	Peak	341.00	150	Vertical	Pass
6**	17855.099	45.01	24.18	54.0	-8.99	AV	341.00	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	1361.600	38.49	-14.71	74.0	-35.51	Peak	184.00	150	Horizontal	Pass
1**	1361.600	25.89	-14.71	54.0	-28.11	AV	184.00	150	Horizontal	Pass
2	2463.600	93.84	-10.48	74.0	19.84	Peak	278.00	150	Horizontal	N/A
2**	2463.600	87.07	-10.48	54.0	33.07	AV	278.00	150	Horizontal	N/A
3	4923.400	49.11	-1.11	74.0	-24.89	Peak	280.00	150	Horizontal	Pass
3**	4923.400	40.18	-1.11	54.0	-13.82	AV	280.00	150	Horizontal	Pass
4	6917.200	52.39	4.67	74.0	-21.61	Peak	0.00	150	Horizontal	Pass
4**	6917.200	44.00	4.67	54.0	-10.00	AV	0.00	150	Horizontal	Pass
5	11657.787	49.44	20.30	74.0	-24.56	Peak	15.00	150	Horizontal	Pass
5**	11657.787	40.09	20.30	54.0	-13.91	AV	15.00	150	Horizontal	Pass
6	17143.988	56.20	23.31	74.0	-17.80	Peak	335.00	150	Horizontal	Pass
6**	17143.988	44.28	23.31	54.0	-9.72	AV	335.00	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	1116.900	42.35	-15.31	74.0	-31.65	Peak	187.00	150	Vertical	Pass
1**	1116.900	31.78	-15.31	54.0	-22.22	AV	187.00	150	Vertical	Pass
2	2463.800	104.25	-10.48	74.0	30.25	Peak	220.00	150	Vertical	N/A
2**	2463.800	98.35	-10.48	54.0	44.35	AV	220.00	150	Vertical	N/A
3	4761.800	49.07	-2.17	74.0	-24.93	Peak	82.00	150	Vertical	Pass
3**	4761.800	38.73	-2.17	54.0	-15.27	AV	82.00	150	Vertical	Pass
4	6916.000	52.55	4.74	74.0	-21.45	Peak	18.00	150	Vertical	Pass
4**	6916.000	43.76	4.74	54.0	-10.24	AV	18.00	150	Vertical	Pass
5	12461.924	50.27	18.61	74.0	-23.73	Peak	131.00	150	Vertical	Pass
5**	12461.924	37.81	18.61	54.0	-16.19	AV	131.00	150	Vertical	Pass
6	17326.948	56.66	24.19	74.0	-17.34	Peak	272.00	150	Vertical	Pass
6**	17326.948	44.60	24.19	54.0	-9.40	AV	272.00	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	1123.300	39.36	-18.48	74.0	-34.64	Peak	210.00	150	Horizontal	Pass
1**	1123.300	30.56	-18.48	54.0	-23.44	AV	210.00	150	Horizontal	Pass
2	2413.700	95.15	-12.26	74.0	21.15	Peak	126.00	150	Horizontal	N/A
2**	2413.700	87.09	-12.26	54.0	33.09	AV	126.00	150	Horizontal	N/A
3	4824.400	49.36	-3.40	74.0	-24.64	Peak	257.00	150	Horizontal	Pass
3**	4824.400	39.63	-3.40	54.0	-14.37	AV	257.00	150	Horizontal	Pass
4	6675.600	52.72	-0.63	74.0	-21.28	Peak	37.00	150	Horizontal	Pass
4**	6675.600	43.24	-0.63	54.0	-10.76	AV	37.00	150	Horizontal	Pass
5	13465.050	51.14	0.66	74.0	-22.86	Peak	133.00	150	Horizontal	Pass
5**	13465.050	41.83	0.66	54.0	-12.17	AV	133.00	150	Horizontal	Pass
6	17479.199	54.39	2.76	74.0	-19.61	Peak	360.00	150	Horizontal	Pass
6**	17479.199	46.90	2.76	54.0	-7.10	AV	360.00	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	2252.000	48.21	-12.65	74.0	-25.79	Peak	185.00	150	Vertical	Pass
1**	2252.000	45.24	-12.65	54.0	-8.76	AV	185.00	150	Vertical	Pass
2	2404.800	101.43	-12.30	74.0	27.43	Peak	257.00	150	Vertical	N/A
2**	2404.800	93.50	-12.30	54.0	39.50	AV	257.00	150	Vertical	N/A
3	5037.800	50.14	-3.12	74.0	-23.86	Peak	360.00	150	Vertical	Pass
3**	5037.800	40.18	-3.12	54.0	-13.82	AV	360.00	150	Vertical	Pass
4	6973.200	52.36	0.79	74.0	-21.64	Peak	3.00	150	Vertical	Pass
4**	6973.200	43.08	0.79	54.0	-10.92	AV	3.00	150	Vertical	Pass
5	12556.512	50.70	1.61	74.0	-23.30	Peak	245.00	150	Vertical	Pass
5**	12556.512	42.02	1.61	54.0	-11.98	AV	245.00	150	Vertical	Pass
6	17466.864	54.57	2.90	74.0	-19.43	Peak	77.00	150	Vertical	Pass
6**	17466.864	46.25	2.90	54.0	-7.75	AV	77.00	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	1065.300	40.17	-18.39	74.0	-33.83	Peak	363.00	150	Horizontal	Pass
1**	1065.300	27.31	-18.39	54.0	-26.69	AV	363.00	150	Horizontal	Pass
2	2439.500	93.94	-12.64	74.0	19.94	Peak	363.00	150	Horizontal	N/A
2**	2439.500	86.74	-12.64	54.0	32.74	AV	363.00	150	Horizontal	N/A
3	4912.000	49.24	-2.34	74.0	-24.76	Peak	328.00	150	Horizontal	Pass
3**	4912.000	40.03	-2.34	54.0	-13.97	AV	328.00	150	Horizontal	Pass
4	6979.000	52.48	0.89	74.0	-21.52	Peak	73.00	150	Horizontal	Pass
4**	6979.000	44.54	0.89	54.0	-9.46	AV	73.00	150	Horizontal	Pass
5	11515.475	50.18	-0.34	74.0	-23.82	Peak	211.00	150	Horizontal	Pass
5**	11515.475	41.13	-0.34	54.0	-12.87	AV	211.00	150	Horizontal	Pass
6	17010.637	54.49	1.68	74.0	-19.51	Peak	277.00	150	Horizontal	Pass
6**	17010.637	45.86	1.68	54.0	-8.14	AV	277.00	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	2276.800	48.27	-12.95	74.0	-25.73	Peak	345.00	150	Vertical	Pass
1**	2276.800	42.78	-12.95	54.0	-11.22	AV	345.00	150	Vertical	Pass
2	2445.300	100.25	-12.72	74.0	26.25	Peak	122.00	150	Vertical	N/A
2**	2445.300	93.04	-12.72	54.0	39.04	AV	122.00	150	Vertical	N/A
3	4782.600	49.58	-2.93	74.0	-24.42	Peak	0.00	150	Vertical	Pass
3**	4782.600	39.44	-2.93	54.0	-14.56	AV	0.00	150	Vertical	Pass
4	6698.600	53.09	-0.64	74.0	-20.91	Peak	156.00	150	Vertical	Pass
4**	6698.600	43.87	-0.64	54.0	-10.13	AV	156.00	150	Vertical	Pass
5	12836.362	50.77	1.28	74.0	-23.23	Peak	307.00	150	Vertical	Pass
5**	12836.362	41.61	1.28	54.0	-12.39	AV	307.00	150	Vertical	Pass
6	16132.575	54.13	1.04	74.0	-19.87	Peak	3.00	150	Vertical	Pass
6**	16132.575	44.89	1.04	54.0	-9.11	AV	3.00	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	2302.200	43.65	-12.85	74.0	-30.35	Peak	313.00	150	Horizontal	Pass
1**	2302.200	38.91	-12.85	54.0	-15.09	AV	313.00	150	Horizontal	Pass
2	2458.400	93.98	-12.75	74.0	19.98	Peak	325.00	150	Horizontal	N/A
2**	2458.400	88.61	-12.75	54.0	34.61	AV	325.00	150	Horizontal	N/A
3	4812.200	49.51	-3.04	74.0	-24.49	Peak	288.00	150	Horizontal	Pass
3**	4812.200	40.60	-3.04	54.0	-13.40	AV	288.00	150	Horizontal	Pass
4	6977.200	52.69	0.83	74.0	-21.31	Peak	326.00	150	Horizontal	Pass
4**	6977.200	44.87	0.83	54.0	-9.13	AV	326.00	150	Horizontal	Pass
5	12507.924	50.99	1.64	74.0	-23.01	Peak	216.00	150	Horizontal	Pass
5**	12507.924	40.82	1.64	54.0	-13.18	AV	216.00	150	Horizontal	Pass
6	17209.612	53.90	1.50	74.0	-20.10	Peak	3.00	150	Horizontal	Pass
6**	17209.612	45.19	1.50	54.0	-8.81	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	2302.000	50.80	-12.85	74.0	-23.20	Peak	338.00	150	Vertical	Pass
1**	2302.000	47.38	-12.85	54.0	-6.62	AV	338.00	150	Vertical	Pass
2	2454.900	100.88	-12.66	74.0	26.88	Peak	361.00	150	Vertical	N/A
2**	2454.900	92.93	-12.66	54.0	38.93	AV	361.00	150	Vertical	N/A
3	4919.000	49.44	-2.39	74.0	-24.56	Peak	144.00	150	Vertical	Pass
3**	4919.000	40.75	-2.39	54.0	-13.25	AV	144.00	150	Vertical	Pass
4	6999.600	52.81	0.25	74.0	-21.19	Peak	360.00	150	Vertical	Pass
4**	6999.600	43.29	0.25	54.0	-10.71	AV	360.00	150	Vertical	Pass
5	12061.438	50.78	0.92	74.0	-23.22	Peak	198.00	150	Vertical	Pass
5**	12061.438	40.96	0.92	54.0	-13.04	AV	198.00	150	Vertical	Pass
6	16903.276	53.76	1.13	74.0	-20.24	Peak	114.00	150	Vertical	Pass
6**	16903.276	44.17	1.13	54.0	-9.83	AV	114.00	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	1065.600	40.23	-18.40	74.0	-33.77	Peak	361.00	150	Horizontal	Pass
1**	1065.600	31.68	-18.40	54.0	-22.32	AV	361.00	150	Horizontal	Pass
2	2420.700	92.66	-12.40	74.0	18.66	Peak	123.00	150	Horizontal	N/A
2**	2420.700	85.73	-12.40	54.0	31.73	AV	123.00	150	Horizontal	N/A
3	4806.400	49.18	-2.96	74.0	-24.82	Peak	222.00	150	Horizontal	Pass
3**	4806.400	39.54	-2.96	54.0	-14.46	AV	222.00	150	Horizontal	Pass
4	6688.200	52.65	-0.25	74.0	-21.35	Peak	191.00	150	Horizontal	Pass
4**	6688.200	43.03	-0.25	54.0	-10.97	AV	191.00	150	Horizontal	Pass
5	12682.150	51.65	0.86	74.0	-22.35	Peak	360.00	150	Horizontal	Pass
5**	12682.150	40.85	0.86	54.0	-13.15	AV	360.00	150	Horizontal	Pass
6	17371.574	54.94	2.45	74.0	-19.06	Peak	0.00	150	Horizontal	Pass
6**	17371.574	45.13	2.45	54.0	-8.87	AV	0.00	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	2181.700	44.39	-13.38	74.0	-29.61	Peak	331.00	150	Vertical	Pass
1**	2181.700	37.44	-13.38	54.0	-16.56	AV	331.00	150	Vertical	Pass
2	2405.900	98.91	-12.32	74.0	24.91	Peak	331.00	150	Vertical	N/A
2**	2405.900	93.02	-12.32	54.0	39.02	AV	331.00	150	Vertical	N/A
3	4796.600	49.27	-2.67	74.0	-24.73	Peak	288.00	150	Vertical	Pass
3**	4796.600	40.44	-2.67	54.0	-13.56	AV	288.00	150	Vertical	Pass
4	6982.600	52.46	0.80	74.0	-21.54	Peak	102.00	150	Vertical	Pass
4**	6982.600	45.29	0.80	54.0	-8.71	AV	102.00	150	Vertical	Pass
5	12599.063	51.04	1.88	74.0	-22.96	Peak	246.00	150	Vertical	Pass
5**	12599.063	41.96	1.88	54.0	-12.04	AV	246.00	150	Vertical	Pass
6	17660.324	54.56	1.74	74.0	-19.44	Peak	220.00	150	Vertical	Pass
6**	17660.324	44.16	1.74	54.0	-9.84	AV	220.00	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	1063.800	40.11	-18.41	74.0	-33.89	Peak	7.00	150	Horizontal	Pass
1**	1063.800	26.97	-18.41	54.0	-27.03	AV	7.00	150	Horizontal	Pass
2	2422.500	92.13	-12.60	74.0	18.13	Peak	121.00	150	Horizontal	N/A
2**	2422.500	84.85	-12.60	54.0	30.85	AV	121.00	150	Horizontal	N/A
3	4875.400	48.90	-3.40	74.0	-25.10	Peak	79.00	150	Horizontal	Pass
3**	4875.400	39.93	-3.40	54.0	-14.07	AV	79.00	150	Horizontal	Pass
4	6999.600	52.56	0.25	74.0	-21.44	Peak	91.00	150	Horizontal	Pass
4**	6999.600	44.97	0.25	54.0	-9.03	AV	91.00	150	Horizontal	Pass
5	11965.987	51.14	0.85	74.0	-22.86	Peak	360.00	150	Horizontal	Pass
5**	11965.987	41.60	0.85	54.0	-12.40	AV	360.00	150	Horizontal	Pass
6	17444.551	55.00	2.88	74.0	-19.00	Peak	244.00	150	Horizontal	Pass
6**	17444.551	44.47	2.88	54.0	-9.53	AV	244.00	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	2116.900	44.18	-14.24	74.0	-29.82	Peak	327.00	150	Vertical	Pass
1**	2116.900	38.40	-14.24	54.0	-15.60	AV	327.00	150	Vertical	Pass
2	2421.100	99.15	-12.45	74.0	25.15	Peak	315.00	150	Vertical	N/A
2**	2421.100	92.95	-12.45	54.0	38.95	AV	315.00	150	Vertical	N/A
3	4916.200	49.63	-2.31	74.0	-24.37	Peak	327.00	150	Vertical	Pass
3**	4916.200	41.88	-2.31	54.0	-12.12	AV	327.00	150	Vertical	Pass
4	6677.400	52.93	-0.58	74.0	-21.07	Peak	30.00	150	Vertical	Pass
4**	6677.400	44.10	-0.58	54.0	-9.90	AV	30.00	150	Vertical	Pass
5	12429.438	51.00	1.54	74.0	-23.00	Peak	61.00	150	Vertical	Pass
5**	12429.438	41.56	1.54	54.0	-12.44	AV	61.00	150	Vertical	Pass
6	17197.275	54.42	2.05	74.0	-19.58	Peak	66.00	150	Vertical	Pass
6**	17197.275	45.92	2.05	54.0	-8.08	AV	66.00	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	1121.000	38.63	-18.50	74.0	-35.37	Peak	175.00	150	Horizontal	Pass
1**	1121.000	30.77	-18.50	54.0	-23.23	AV	175.00	150	Horizontal	Pass
2	2437.400	91.74	-12.60	74.0	17.74	Peak	83.00	150	Horizontal	N/A
2**	2437.400	82.83	-12.60	54.0	28.83	AV	83.00	150	Horizontal	N/A
3	5036.600	50.60	-3.11	74.0	-23.40	Peak	247.00	150	Horizontal	Pass
3**	5036.600	39.48	-3.11	54.0	-14.52	AV	247.00	150	Horizontal	Pass
4	6684.800	52.83	-0.23	74.0	-21.17	Peak	0.00	150	Horizontal	Pass
4**	6684.800	43.96	-0.23	54.0	-10.04	AV	0.00	150	Horizontal	Pass
5	12791.737	51.47	1.17	74.0	-22.53	Peak	266.00	150	Horizontal	Pass
5**	12791.737	41.47	1.17	54.0	-12.53	AV	266.00	150	Horizontal	Pass
6	17422.500	54.29	3.69	74.0	-19.71	Peak	171.00	150	Horizontal	Pass
6**	17422.500	45.86	3.69	54.0	-8.14	AV	171.00	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	2132.200	43.93	-13.98	74.0	-30.07	Peak	361.00	150	Vertical	Pass
1**	2132.200	39.90	-13.98	54.0	-14.10	AV	361.00	150	Vertical	Pass
2	2453.500	98.56	-12.67	74.0	24.56	Peak	363.00	150	Vertical	N/A
2**	2453.500	91.89	-12.67	54.0	37.89	AV	363.00	150	Vertical	N/A
3	4913.400	49.86	-2.23	74.0	-24.14	Peak	330.00	150	Vertical	Pass
3**	4913.400	41.26	-2.23	54.0	-12.74	AV	330.00	150	Vertical	Pass
4	6979.600	53.49	0.83	74.0	-20.51	Peak	101.00	150	Vertical	Pass
4**	6979.600	44.36	0.83	54.0	-9.64	AV	101.00	150	Vertical	Pass
5	12973.912	51.29	0.92	74.0	-22.71	Peak	166.00	150	Vertical	Pass
5**	12973.912	41.19	0.92	54.0	-12.81	AV	166.00	150	Vertical	Pass
6	17484.974	55.33	2.51	74.0	-18.67	Peak	1.00	150	Vertical	Pass
6**	17484.974	47.07	2.51	54.0	-6.93	AV	1.00	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	1848.400	39.11	-16.51	74.0	-34.89	Peak	329.00	150	Horizontal	Pass
1**	1848.400	29.08	-16.51	54.0	-24.92	AV	329.00	150	Horizontal	Pass
2	2414.800	94.57	-12.26	74.0	20.57	Peak	105.00	150	Horizontal	N/A
2**	2414.800	91.80	-12.26	54.0	37.80	AV	105.00	150	Horizontal	N/A
3	4824.200	50.51	-3.39	74.0	-23.49	Peak	134.00	150	Horizontal	Pass
3**	4824.200	46.91	-3.39	54.0	-7.09	AV	134.00	150	Horizontal	Pass
4	6685.800	52.69	-0.19	74.0	-21.31	Peak	288.00	150	Horizontal	Pass
4**	6685.800	43.69	-0.19	54.0	-10.31	AV	288.00	150	Horizontal	Pass
5	12564.563	51.14	1.70	74.0	-22.86	Peak	186.00	150	Horizontal	Pass
5**	12564.563	41.45	1.70	54.0	-12.55	AV	186.00	150	Horizontal	Pass
6	16117.613	54.42	0.65	74.0	-19.58	Peak	3.00	150	Horizontal	Pass
6**	16117.613	45.06	0.65	54.0	-8.94	AV	3.00	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	1732.300	38.67	-17.09	74.0	-35.33	Peak	20.00	150	Vertical	Pass
1**	1732.300	30.06	-17.09	54.0	-23.94	AV	20.00	150	Vertical	Pass
2	2414.800	96.97	-12.26	74.0	22.97	Peak	346.00	150	Vertical	N/A
2**	2414.800	93.70	-12.26	54.0	39.70	AV	346.00	150	Vertical	N/A
3	4824.200	50.28	-3.39	74.0	-23.72	Peak	103.00	150	Vertical	Pass
3**	4824.200	47.10	-3.39	54.0	-6.90	AV	103.00	150	Vertical	Pass
4	6732.800	52.32	-0.49	74.0	-21.68	Peak	221.00	150	Vertical	Pass
4**	6732.800	42.51	-0.49	54.0	-11.49	AV	221.00	150	Vertical	Pass
5	11819.076	50.44	1.03	74.0	-23.56	Peak	215.00	150	Vertical	Pass
5**	11819.076	41.71	1.03	54.0	-12.29	AV	215.00	150	Vertical	Pass
6	17410.425	54.54	3.46	74.0	-19.46	Peak	114.00	150	Vertical	Pass
6**	17410.425	46.57	3.46	54.0	-7.43	AV	114.00	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	1792.200	38.76	-16.88	74.0	-35.24	Peak	108.00	150	Horizontal	Pass
1**	1792.200	28.97	-16.88	54.0	-25.03	AV	108.00	150	Horizontal	Pass
2	2439.800	94.62	-12.66	74.0	20.62	Peak	108.00	150	Horizontal	N/A
2**	2439.800	91.61	-12.66	54.0	37.61	AV	108.00	150	Horizontal	N/A
3	4983.600	49.92	-2.90	74.0	-24.08	Peak	110.00	150	Horizontal	Pass
3**	4983.600	41.96	-2.90	54.0	-12.04	AV	110.00	150	Horizontal	Pass
4	6685.800	52.77	-0.19	74.0	-21.23	Peak	97.00	150	Horizontal	Pass
4**	6685.800	43.79	-0.19	54.0	-10.21	AV	97.00	150	Horizontal	Pass
5	11937.237	51.31	1.69	74.0	-22.69	Peak	126.00	150	Horizontal	Pass
5**	11937.237	41.67	1.69	54.0	-12.33	AV	126.00	150	Horizontal	Pass
6	17472.113	54.83	2.87	74.0	-19.17	Peak	334.00	150	Horizontal	Pass
6**	17472.113	45.54	2.87	54.0	-8.46	AV	334.00	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	1599.800	38.57	-17.63	74.0	-35.43	Peak	31.00	150	Vertical	Pass
1**	1599.800	30.13	-17.63	54.0	-23.87	AV	31.00	150	Vertical	Pass
2	2439.800	96.76	-12.66	74.0	22.76	Peak	57.00	150	Vertical	N/A
2**	2439.800	93.00	-12.66	54.0	39.00	AV	57.00	150	Vertical	N/A
3	4874.000	50.53	-3.34	74.0	-23.47	Peak	92.00	150	Vertical	Pass
3**	4874.000	45.62	-3.34	54.0	-8.38	AV	92.00	150	Vertical	Pass
4	6966.600	52.62	0.46	74.0	-21.38	Peak	37.00	150	Vertical	Pass
4**	6966.600	43.49	0.46	54.0	-10.51	AV	37.00	150	Vertical	Pass
5	12628.100	50.91	1.49	74.0	-23.09	Peak	52.00	150	Vertical	Pass
5**	12628.100	43.12	1.49	54.0	-10.88	AV	52.00	150	Vertical	Pass
6	17484.712	54.56	2.52	74.0	-19.44	Peak	46.00	150	Vertical	Pass
6**	17484.712	46.57	2.52	54.0	-7.43	AV	46.00	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	1123.700	38.65	-18.48	74.0	-35.35	Peak	164.00	150	Horizontal	Pass
1**	1123.700	29.37	-18.48	54.0	-24.63	AV	164.00	150	Horizontal	Pass
2	2459.200	94.00	-12.75	74.0	20.00	Peak	108.00	150	Horizontal	N/A
2**	2459.200	92.06	-12.75	54.0	38.06	AV	108.00	150	Horizontal	N/A
3	4923.600	49.60	-2.56	74.0	-24.40	Peak	125.00	150	Horizontal	Pass
3**	4923.600	40.66	-2.56	54.0	-13.34	AV	125.00	150	Horizontal	Pass
4	6995.600	52.32	0.16	74.0	-21.68	Peak	300.00	150	Horizontal	Pass
4**	6995.600	44.12	0.16	54.0	-9.88	AV	300.00	150	Horizontal	Pass
5	12556.800	51.23	1.62	74.0	-22.77	Peak	51.00	150	Horizontal	Pass
5**	12556.800	41.83	1.62	54.0	-12.17	AV	51.00	150	Horizontal	Pass
6	17495.738	54.73	2.00	74.0	-19.27	Peak	37.00	150	Horizontal	Pass
6**	17495.738	44.86	2.00	54.0	-9.14	AV	37.00	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	1501.500	37.93	-17.53	74.0	-36.07	Peak	20.00	150	Vertical	Pass
1**	1501.500	26.72	-17.53	54.0	-27.28	AV	20.00	150	Vertical	Pass
2	2464.800	96.39	-12.74	74.0	22.39	Peak	160.00	150	Vertical	N/A
2**	2464.800	92.81	-12.74	54.0	38.81	AV	160.00	150	Vertical	N/A
3	4923.800	49.61	-2.57	74.0	-24.39	Peak	107.00	150	Vertical	Pass
3**	4923.800	42.32	-2.57	54.0	-11.68	AV	107.00	150	Vertical	Pass
4	6691.200	52.42	-0.29	74.0	-21.58	Peak	54.00	150	Vertical	Pass
4**	6691.200	43.37	-0.29	54.0	-10.63	AV	54.00	150	Vertical	Pass
5	10861.412	50.95	-0.07	74.0	-23.05	Peak	70.00	150	Vertical	Pass
5**	10861.412	41.71	-0.07	54.0	-12.29	AV	70.00	150	Vertical	Pass
6	17418.824	54.76	3.73	74.0	-19.24	Peak	304.00	150	Vertical	Pass
6**	17418.824	45.73	3.73	54.0	-8.27	AV	304.00	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	1108.800	38.58	-18.54	74.0	-35.42	Peak	165.00	150	Horizontal	Pass
1**	1108.800	29.02	-18.54	54.0	-24.98	AV	165.00	150	Horizontal	Pass
2	2409.000	98.78	-12.26	74.0	24.78	Peak	94.00	150	Horizontal	N/A
2**	2409.000	91.50	-12.26	54.0	37.50	AV	94.00	150	Horizontal	N/A
3	4652.600	49.47	-3.66	74.0	-24.53	Peak	89.00	150	Horizontal	Pass
3**	4652.600	39.15	-3.66	54.0	-14.85	AV	89.00	150	Horizontal	Pass
4	6598.400	52.70	-0.64	74.0	-21.30	Peak	203.00	150	Horizontal	Pass
4**	6598.400	43.20	-0.64	54.0	-10.80	AV	203.00	150	Horizontal	Pass
5	12869.437	50.60	1.44	74.0	-23.40	Peak	3.00	150	Horizontal	Pass
5**	12869.437	41.66	1.44	54.0	-12.34	AV	3.00	150	Horizontal	Pass
6	17424.075	55.59	3.65	74.0	-18.41	Peak	22.00	150	Horizontal	Pass
6**	17424.075	46.32	3.65	54.0	-7.68	AV	22.00	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	1596.100	38.68	-17.70	74.0	-35.32	Peak	0.00	150	Vertical	Pass
1**	1596.100	28.81	-17.70	54.0	-25.19	AV	0.00	150	Vertical	Pass
2	2404.300	100.85	-12.29	74.0	26.85	Peak	137.00	150	Vertical	N/A
2**	2404.300	94.03	-12.29	54.0	40.03	AV	137.00	150	Vertical	N/A
3	4794.200	48.99	-2.58	74.0	-25.01	Peak	0.00	150	Vertical	Pass
3**	4794.200	40.89	-2.58	54.0	-13.11	AV	0.00	150	Vertical	Pass
4	6996.000	54.55	0.17	74.0	-19.45	Peak	57.00	150	Vertical	Pass
4**	6996.000	44.13	0.17	54.0	-9.87	AV	57.00	150	Vertical	Pass
5	12386.025	50.60	1.53	74.0	-23.40	Peak	159.00	150	Vertical	Pass
5**	12386.025	42.32	1.53	54.0	-11.68	AV	159.00	150	Vertical	Pass
6	17423.286	54.32	3.67	74.0	-19.68	Peak	270.00	150	Vertical	Pass
6**	17423.286	46.68	3.67	54.0	-7.32	AV	270.00	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	1064.400	38.42	-18.39	74.0	-35.58	Peak	0.00	150	Horizontal	Pass
1**	1064.400	28.79	-18.39	54.0	-25.21	AV	0.00	150	Horizontal	Pass
2	2443.800	97.92	-12.79	74.0	23.92	Peak	106.00	150	Horizontal	N/A
2**	2443.800	91.46	-12.79	54.0	37.46	AV	106.00	150	Horizontal	N/A
3	4891.600	49.36	-3.26	74.0	-24.64	Peak	268.00	150	Horizontal	Pass
3**	4891.600	40.29	-3.26	54.0	-13.71	AV	268.00	150	Horizontal	Pass
4	6989.400	52.79	0.17	74.0	-21.21	Peak	205.00	150	Horizontal	Pass
4**	6989.400	42.72	0.17	54.0	-11.28	AV	205.00	150	Horizontal	Pass
5	10668.787	50.07	-0.53	74.0	-23.93	Peak	360.00	150	Horizontal	Pass
5**	10668.787	41.76	-0.53	54.0	-12.24	AV	360.00	150	Horizontal	Pass
6	17415.150	54.88	3.64	74.0	-19.12	Peak	164.00	150	Horizontal	Pass
6**	17415.150	47.38	3.64	54.0	-6.62	AV	164.00	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	1594.800	38.04	-17.54	74.0	-35.96	Peak	361.00	150	Vertical	Pass
1**	1594.800	27.00	-17.54	54.0	-27.00	AV	361.00	150	Vertical	Pass
2	2429.400	100.55	-12.80	74.0	26.55	Peak	163.00	150	Vertical	N/A
2**	2429.400	93.78	-12.80	54.0	39.78	AV	163.00	150	Vertical	N/A
3	4869.800	49.26	-3.38	74.0	-24.74	Peak	40.00	150	Vertical	Pass
3**	4869.800	39.90	-3.38	54.0	-14.10	AV	40.00	150	Vertical	Pass
4	6686.800	52.57	-0.22	74.0	-21.43	Peak	0.00	150	Vertical	Pass
4**	6686.800	43.81	-0.22	54.0	-10.19	AV	0.00	150	Vertical	Pass
5	10895.912	50.00	0.11	74.0	-24.00	Peak	24.00	150	Vertical	Pass
5**	10895.912	41.71	0.11	54.0	-12.29	AV	24.00	150	Vertical	Pass
6	17413.050	54.53	3.56	74.0	-19.47	Peak	273.00	150	Vertical	Pass
6**	17413.050	46.26	3.56	54.0	-7.74	AV	273.00	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	1135.400	38.10	-18.48	74.0	-35.90	Peak	169.00	150	Horizontal	Pass
1**	1135.400	29.05	-18.48	54.0	-24.95	AV	169.00	150	Horizontal	Pass
2	2468.200	96.93	-12.61	74.0	22.93	Peak	106.00	150	Horizontal	N/A
2**	2468.200	90.82	-12.61	54.0	36.82	AV	106.00	150	Horizontal	N/A
3	4909.400	48.98	-2.43	74.0	-25.02	Peak	16.00	150	Horizontal	Pass
3**	4909.400	39.96	-2.43	54.0	-14.04	AV	16.00	150	Horizontal	Pass
4	6760.200	52.15	-1.07	74.0	-21.85	Peak	157.00	150	Horizontal	Pass
4**	6760.200	44.56	-1.07	54.0	-9.44	AV	157.00	150	Horizontal	Pass
5	13210.687	51.25	1.33	74.0	-22.75	Peak	80.00	150	Horizontal	Pass
5**	13210.687	41.48	1.33	54.0	-12.52	AV	80.00	150	Horizontal	Pass
6	17416.724	54.55	3.68	74.0	-19.45	Peak	304.00	150	Horizontal	Pass
6**	17416.724	45.35	3.68	54.0	-8.65	AV	304.00	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	1597.600	38.63	-17.58	74.0	-35.37	Peak	336.00	150	Vertical	Pass
1**	1597.600	27.96	-17.58	54.0	-26.04	AV	336.00	150	Vertical	Pass
2	2454.400	100.36	-12.65	74.0	26.36	Peak	324.00	150	Vertical	N/A
2**	2454.400	93.45	-12.65	54.0	39.45	AV	324.00	150	Vertical	N/A
3	4977.000	49.12	-3.03	74.0	-24.88	Peak	19.00	150	Vertical	Pass
3**	4977.000	39.86	-3.03	54.0	-14.14	AV	19.00	150	Vertical	Pass
4	6998.200	52.38	0.23	74.0	-21.62	Peak	360.00	150	Vertical	Pass
4**	6998.200	43.79	0.23	54.0	-10.21	AV	360.00	150	Vertical	Pass
5	12525.463	50.63	1.36	74.0	-23.37	Peak	49.00	150	Vertical	Pass
5**	12525.463	41.55	1.36	54.0	-12.45	AV	49.00	150	Vertical	Pass
6	15835.425	53.54	1.45	74.0	-20.46	Peak	3.00	150	Vertical	Pass
6**	15835.425	43.96	1.45	54.0	-10.04	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	1062.500	38.90	-18.43	74.0	-35.10	Peak	361.00	150	Horizontal	Pass
1**	1062.500	30.81	-18.43	54.0	-23.19	AV	361.00	150	Horizontal	Pass
2	2405.300	98.68	-12.31	74.0	24.68	Peak	109.00	150	Horizontal	N/A
2**	2405.300	91.87	-12.31	54.0	37.87	AV	109.00	150	Horizontal	N/A
3	4818.600	48.77	-3.30	74.0	-25.23	Peak	130.00	150	Horizontal	Pass
3**	4818.600	41.94	-3.30	54.0	-12.06	AV	130.00	150	Horizontal	Pass
4	6271.600	52.56	-0.28	74.0	-21.44	Peak	37.00	150	Horizontal	Pass
4**	6271.600	43.82	-0.28	54.0	-10.18	AV	37.00	150	Horizontal	Pass
5	12105.713	50.25	0.60	74.0	-23.75	Peak	107.00	150	Horizontal	Pass
5**	12105.713	40.56	0.60	54.0	-13.44	AV	107.00	150	Horizontal	Pass
6	17425.125	54.45	3.62	74.0	-19.55	Peak	180.00	150	Horizontal	Pass
6**	17425.125	45.53	3.62	54.0	-8.47	AV	180.00	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	1592.700	38.30	-17.49	74.0	-35.70	Peak	363.00	150	Vertical	Pass
1**	1592.700	26.61	-17.49	54.0	-27.39	AV	363.00	150	Vertical	Pass
2	2404.800	101.45	-12.30	74.0	27.45	Peak	6.00	150	Vertical	N/A
2**	2404.800	93.17	-12.30	54.0	39.17	AV	6.00	150	Vertical	N/A
3	4820.800	49.50	-3.40	74.0	-24.50	Peak	139.00	150	Vertical	Pass
3**	4820.800	41.41	-3.40	54.0	-12.59	AV	139.00	150	Vertical	Pass
4	6672.000	52.13	-0.79	74.0	-21.87	Peak	268.00	150	Vertical	Pass
4**	6672.000	43.15	-0.79	54.0	-10.85	AV	268.00	150	Vertical	Pass
5	12599.063	51.64	1.88	74.0	-22.36	Peak	205.00	150	Vertical	Pass
5**	12599.063	42.30	1.88	54.0	-11.70	AV	205.00	150	Vertical	Pass
6	17458.989	55.01	2.84	74.0	-18.99	Peak	305.00	150	Vertical	Pass
6**	17458.989	46.09	2.84	54.0	-7.91	AV	305.00	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	1947.600	40.40	-15.87	74.0	-33.60	Peak	77.00	150	Horizontal	Pass
1**	1947.600	29.17	-15.87	54.0	-24.83	AV	77.00	150	Horizontal	Pass
2	2443.800	96.88	-12.79	74.0	22.88	Peak	101.00	150	Horizontal	N/A
2**	2443.800	89.81	-12.79	54.0	35.81	AV	101.00	150	Horizontal	N/A
3	4791.800	49.46	-2.71	74.0	-24.54	Peak	351.00	150	Horizontal	Pass
3**	4791.800	39.70	-2.71	54.0	-14.30	AV	351.00	150	Horizontal	Pass
4	6740.200	53.05	-0.24	74.0	-20.95	Peak	187.00	150	Horizontal	Pass
4**	6740.200	42.68	-0.24	54.0	-11.32	AV	187.00	150	Horizontal	Pass
5	10736.349	50.05	-0.76	74.0	-23.95	Peak	108.00	150	Horizontal	Pass
5**	10736.349	40.12	-0.76	54.0	-13.88	AV	108.00	150	Horizontal	Pass
6	17424.599	54.50	3.63	74.0	-19.50	Peak	334.00	150	Horizontal	Pass
6**	17424.599	45.56	3.63	54.0	-8.44	AV	334.00	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	1596.200	37.82	-17.70	74.0	-36.18	Peak	0.00	150	Vertical	Pass
1**	1596.200	27.57	-17.70	54.0	-26.43	AV	0.00	150	Vertical	Pass
2	2429.900	100.42	-12.79	74.0	26.42	Peak	0.00	150	Vertical	N/A
2**	2429.900	92.85	-12.79	54.0	38.85	AV	0.00	150	Vertical	N/A
3	4814.800	49.57	-3.08	74.0	-24.43	Peak	250.00	150	Vertical	Pass
3**	4814.800	39.91	-3.08	54.0	-14.09	AV	250.00	150	Vertical	Pass
4	6608.000	52.75	0.14	74.0	-21.25	Peak	85.00	150	Vertical	Pass
4**	6608.000	43.11	0.14	54.0	-10.89	AV	85.00	150	Vertical	Pass
5	12269.300	50.78	1.43	74.0	-23.22	Peak	123.00	150	Vertical	Pass
5**	12269.300	41.56	1.43	54.0	-12.44	AV	123.00	150	Vertical	Pass
6	15522.000	53.60	1.38	74.0	-20.40	Peak	212.00	150	Vertical	Pass
6**	15522.000	44.91	1.38	54.0	-9.09	AV	212.00	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	1131.800	39.14	-18.35	74.0	-34.86	Peak	170.00	150	Horizontal	Pass
1**	1131.800	28.94	-18.35	54.0	-25.06	AV	170.00	150	Horizontal	Pass
2	2466.000	97.32	-12.70	74.0	23.32	Peak	107.00	150	Horizontal	N/A
2**	2466.000	89.15	-12.70	54.0	35.15	AV	107.00	150	Horizontal	N/A
3	4799.200	49.00	-2.55	74.0	-25.00	Peak	159.00	150	Horizontal	Pass
3**	4799.200	41.00	-2.55	54.0	-13.00	AV	159.00	150	Horizontal	Pass
4	6689.400	52.63	-0.26	74.0	-21.37	Peak	351.00	150	Horizontal	Pass
4**	6689.400	44.78	-0.26	54.0	-9.22	AV	351.00	150	Horizontal	Pass
5	12223.588	51.03	1.28	74.0	-22.97	Peak	259.00	150	Horizontal	Pass
5**	12223.588	41.26	1.28	54.0	-12.74	AV	259.00	150	Horizontal	Pass
6	17432.214	54.78	3.37	74.0	-19.22	Peak	360.00	150	Horizontal	Pass
6**	17432.214	45.85	3.37	54.0	-8.15	AV	360.00	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	1743.000	38.77	-17.10	74.0	-35.23	Peak	361.00	150	Vertical	Pass
1**	1743.000	28.88	-17.10	54.0	-25.12	AV	361.00	150	Vertical	Pass
2	2454.800	100.72	-12.66	74.0	26.72	Peak	118.00	150	Vertical	N/A
2**	2454.800	92.82	-12.66	54.0	38.82	AV	118.00	150	Vertical	N/A
3	4910.000	49.11	-2.44	74.0	-24.89	Peak	108.00	150	Vertical	Pass
3**	4910.000	39.72	-2.44	54.0	-14.28	AV	108.00	150	Vertical	Pass
4	6607.800	52.46	0.15	74.0	-21.54	Peak	261.00	150	Vertical	Pass
4**	6607.800	44.06	0.15	54.0	-9.94	AV	261.00	150	Vertical	Pass
5	11878.300	50.54	1.36	74.0	-23.46	Peak	0.00	150	Vertical	Pass
5**	11878.300	41.14	1.36	54.0	-12.86	AV	0.00	150	Vertical	Pass
6	17456.626	54.28	2.84	74.0	-19.72	Peak	170.00	150	Vertical	Pass
6**	17456.626	45.66	2.84	54.0	-8.34	AV	170.00	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	1063.600	38.79	-18.41	74.0	-35.21	Peak	36.00	150	Horizontal	Pass
1**	1063.600	27.61	-18.41	54.0	-26.39	AV	36.00	150	Horizontal	Pass
2	2407.600	96.88	-12.29	74.0	22.88	Peak	104.00	150	Horizontal	N/A
2**	2407.600	89.20	-12.29	54.0	35.20	AV	104.00	150	Horizontal	N/A
3	5009.000	49.52	-3.21	74.0	-24.48	Peak	41.00	150	Horizontal	Pass
3**	5009.000	40.71	-3.21	54.0	-13.29	AV	41.00	150	Horizontal	Pass
4	6994.600	53.30	0.23	74.0	-20.70	Peak	78.00	150	Horizontal	Pass
4**	6994.600	44.11	0.23	54.0	-9.89	AV	78.00	150	Horizontal	Pass
5	12748.849	51.03	1.15	74.0	-22.97	Peak	360.00	150	Horizontal	Pass
5**	12748.849	42.43	1.15	54.0	-11.57	AV	360.00	150	Horizontal	Pass
6	16893.563	53.74	1.16	74.0	-20.26	Peak	197.00	150	Horizontal	Pass
6**	16893.563	45.02	1.16	54.0	-8.98	AV	197.00	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	1741.500	38.51	-17.13	74.0	-35.49	Peak	23.00	150	Vertical	Pass
1**	1741.500	28.89	-17.13	54.0	-25.11	AV	23.00	150	Vertical	Pass
2	2405.900	99.12	-12.32	74.0	25.12	Peak	363.00	150	Vertical	N/A
2**	2405.900	92.36	-12.32	54.0	38.36	AV	363.00	150	Vertical	N/A
3	4803.800	48.62	-2.73	74.0	-25.38	Peak	142.00	150	Vertical	Pass
3**	4803.800	39.62	-2.73	54.0	-14.38	AV	142.00	150	Vertical	Pass
4	6693.200	52.34	-0.32	74.0	-21.66	Peak	68.00	150	Vertical	Pass
4**	6693.200	43.62	-0.32	54.0	-10.38	AV	68.00	150	Vertical	Pass
5	12503.612	51.02	1.67	74.0	-22.98	Peak	175.00	150	Vertical	Pass
5**	12503.612	41.57	1.67	54.0	-12.43	AV	175.00	150	Vertical	Pass
6	16406.625	54.26	1.34	74.0	-19.74	Peak	1.00	150	Vertical	Pass
6**	16406.625	44.63	1.34	54.0	-9.37	AV	1.00	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	1122.800	39.43	-18.49	74.0	-34.57	Peak	218.00	150	Horizontal	Pass
1**	1122.800	29.84	-18.49	54.0	-24.16	AV	218.00	150	Horizontal	Pass
2	2442.500	96.23	-12.88	74.0	22.23	Peak	112.00	150	Horizontal	N/A
2**	2442.500	88.15	-12.88	54.0	34.15	AV	112.00	150	Horizontal	N/A
3	4789.400	48.68	-2.77	74.0	-25.32	Peak	292.00	150	Horizontal	Pass
3**	4789.400	39.72	-2.77	54.0	-14.28	AV	292.00	150	Horizontal	Pass
4	6997.200	52.49	0.21	74.0	-21.51	Peak	14.00	150	Horizontal	Pass
4**	6997.200	44.05	0.21	54.0	-9.95	AV	14.00	150	Horizontal	Pass
5	12721.825	50.92	1.19	74.0	-23.08	Peak	120.00	150	Horizontal	Pass
5**	12721.825	41.80	1.19	54.0	-12.20	AV	120.00	150	Horizontal	Pass
6	17359.761	54.11	2.21	74.0	-19.89	Peak	98.00	150	Horizontal	Pass
6**	17359.761	44.53	2.21	54.0	-9.47	AV	98.00	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	1647.500	38.65	-17.47	74.0	-35.35	Peak	37.00	150	Vertical	Pass
1**	1647.500	28.20	-17.47	54.0	-25.80	AV	37.00	150	Vertical	Pass
2	2447.200	98.61	-12.69	74.0	24.61	Peak	22.00	150	Vertical	N/A
2**	2447.200	92.18	-12.69	54.0	38.18	AV	22.00	150	Vertical	N/A
3	4841.000	49.08	-3.43	74.0	-24.92	Peak	305.00	150	Vertical	Pass
3**	4841.000	39.41	-3.43	54.0	-14.59	AV	305.00	150	Vertical	Pass
4	6961.200	52.62	0.14	74.0	-21.38	Peak	27.00	150	Vertical	Pass
4**	6961.200	42.97	0.14	54.0	-11.03	AV	27.00	150	Vertical	Pass
5	12363.312	50.77	1.19	74.0	-23.23	Peak	0.00	150	Vertical	Pass
5**	12363.312	41.85	1.19	54.0	-12.15	AV	0.00	150	Vertical	Pass
6	16084.013	54.12	1.55	74.0	-19.88	Peak	299.00	150	Vertical	Pass
6**	16084.013	45.15	1.55	54.0	-8.85	AV	299.00	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	1122.800	38.22	-18.49	74.0	-35.78	Peak	164.00	150	Horizontal	Pass
1**	1122.800	29.99	-18.49	54.0	-24.01	AV	164.00	150	Horizontal	Pass
2	2447.500	96.07	-12.69	74.0	22.07	Peak	103.00	150	Horizontal	N/A
2**	2447.500	87.65	-12.69	54.0	33.65	AV	103.00	150	Horizontal	N/A
3	4801.000	49.38	-2.57	74.0	-24.62	Peak	129.00	150	Horizontal	Pass
3**	4801.000	41.61	-2.57	54.0	-12.39	AV	129.00	150	Horizontal	Pass
4	6604.400	52.29	0.00	74.0	-21.71	Peak	360.00	150	Horizontal	Pass
4**	6604.400	44.96	0.00	54.0	-9.04	AV	360.00	150	Horizontal	Pass
5	13290.750	51.37	0.79	74.0	-22.63	Peak	334.00	150	Horizontal	Pass
5**	13290.750	44.22	0.79	54.0	-9.78	AV	334.00	150	Horizontal	Pass
6	17185.200	55.38	2.52	74.0	-18.62	Peak	1.00	150	Horizontal	Pass
6**	17185.200	45.62	2.52	54.0	-8.38	AV	1.00	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	1600.200	38.20	-17.66	74.0	-35.80	Peak	362.00	150	Vertical	Pass
1**	1600.200	27.80	-17.66	54.0	-26.20	AV	362.00	150	Vertical	Pass
2	2445.700	98.55	-12.71	74.0	24.55	Peak	343.00	150	Vertical	N/A
2**	2445.700	91.85	-12.71	54.0	37.85	AV	343.00	150	Vertical	N/A
3	4805.600	48.47	-2.89	74.0	-25.53	Peak	318.00	150	Vertical	Pass
3**	4805.600	40.39	-2.89	54.0	-13.61	AV	318.00	150	Vertical	Pass
4	6917.200	52.28	-0.84	74.0	-21.72	Peak	150.00	150	Vertical	Pass
4**	6917.200	43.59	-0.84	54.0	-10.41	AV	150.00	150	Vertical	Pass
5	12455.888	50.69	1.87	74.0	-23.31	Peak	0.00	150	Vertical	Pass
5**	12455.888	42.58	1.87	54.0	-11.42	AV	0.00	150	Vertical	Pass
6	17415.938	54.52	3.66	74.0	-19.48	Peak	360.00	150	Vertical	Pass
6**	17415.938	45.78	3.66	54.0	-8.22	AV	360.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1264.800	37.75	-14.79	74.0	-36.25	Peak	238.00	150	Horizontal	Pass
1**	1264.800	25.92	-14.79	54.0	-28.08	AV	238.00	150	Horizontal	Pass
2	2411.100	90.15	-10.37	74.0	16.15	Peak	153.00	150	Horizontal	N/A
2**	2411.100	88.32	-10.37	54.0	34.32	AV	153.00	150	Horizontal	N/A
3	4824.200	50.78	-1.44	74.0	-23.22	Peak	171.00	150	Horizontal	Pass
3**	4824.200	50.03	-1.44	54.0	-3.97	AV	171.00	150	Horizontal	Pass
4	6974.800	52.42	5.18	74.0	-21.58	Peak	122.00	150	Horizontal	Pass
4**	6974.800	42.25	5.18	54.0	-11.75	AV	122.00	150	Horizontal	Pass
5	12201.162	49.70	20.43	74.0	-24.30	Peak	2.00	150	Horizontal	Pass
5**	12201.162	37.86	20.43	54.0	-16.14	AV	2.00	150	Horizontal	Pass
6	17721.487	55.53	24.12	74.0	-18.47	Peak	163.00	150	Horizontal	Pass
6**	17721.487	44.49	24.12	54.0	-9.51	AV	163.00	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	1062.100	38.15	-14.84	74.0	-35.85	Peak	148.00	150	Vertical	Pass
1**	1062.100	25.45	-14.84	54.0	-28.55	AV	148.00	150	Vertical	Pass
2	2411.700	104.60	-10.34	74.0	30.60	Peak	168.00	150	Vertical	N/A
2**	2411.700	102.27	-10.34	54.0	48.27	AV	168.00	150	Vertical	N/A
3	4824.000	52.50	-1.45	74.0	-21.50	Peak	160.00	150	Vertical	Pass
3**	4824.000	50.44	-1.45	54.0	-3.56	AV	160.00	150	Vertical	Pass
4	6975.400	52.59	5.17	74.0	-21.41	Peak	294.00	150	Vertical	Pass
4**	6975.400	42.41	5.17	54.0	-11.59	AV	294.00	150	Vertical	Pass
5	12739.363	49.58	18.90	74.0	-24.42	Peak	360.00	150	Vertical	Pass
5**	12739.363	36.92	18.90	54.0	-17.08	AV	360.00	150	Vertical	Pass
6	17869.275	55.69	24.33	74.0	-18.31	Peak	143.00	150	Vertical	Pass
6**	17869.275	45.45	24.33	54.0	-8.55	AV	143.00	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	1063.400	38.31	-14.85	74.0	-35.69	Peak	113.00	150	Horizontal	Pass
1**	1063.400	25.48	-14.85	54.0	-28.52	AV	113.00	150	Horizontal	Pass
2	2437.400	90.74	-10.61	74.0	16.74	Peak	259.00	150	Horizontal	N/A
2**	2437.400	86.14	-10.61	54.0	32.14	AV	259.00	150	Horizontal	N/A
3	4874.200	50.30	-1.55	74.0	-23.70	Peak	165.00	150	Horizontal	Pass
3**	4874.200	48.58	-1.55	54.0	-5.42	AV	165.00	150	Horizontal	Pass
4	6954.800	52.15	4.57	74.0	-21.85	Peak	1.00	150	Horizontal	Pass
4**	6954.800	41.22	4.57	54.0	-12.78	AV	1.00	150	Horizontal	Pass
5	12145.388	49.17	19.89	74.0	-24.83	Peak	345.00	150	Horizontal	Pass
5**	12145.388	38.36	19.89	54.0	-15.64	AV	345.00	150	Horizontal	Pass
6	17867.438	55.72	24.31	74.0	-18.28	Peak	172.00	150	Horizontal	Pass
6**	17867.438	44.40	24.31	54.0	-9.60	AV	172.00	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	1347.900	37.58	-14.71	74.0	-36.42	Peak	298.00	150	Vertical	Pass
1**	1347.900	25.62	-14.71	54.0	-28.38	AV	298.00	150	Vertical	Pass
2	2436.000	102.31	-10.62	74.0	28.31	Peak	190.00	150	Vertical	N/A
2**	2436.000	100.21	-10.62	54.0	46.21	AV	190.00	150	Vertical	N/A
3	4874.200	49.57	-1.55	74.0	-24.43	Peak	161.00	150	Vertical	Pass
3**	4874.200	46.70	-1.55	54.0	-7.30	AV	161.00	150	Vertical	Pass
4	6970.000	52.10	5.14	74.0	-21.90	Peak	29.00	150	Vertical	Pass
4**	6970.000	42.13	5.14	54.0	-11.87	AV	29.00	150	Vertical	Pass
5	12350.662	49.34	19.71	74.0	-24.66	Peak	360.00	150	Vertical	Pass
5**	12350.662	36.88	19.71	54.0	-17.12	AV	360.00	150	Vertical	Pass
6	17660.588	56.05	24.25	74.0	-17.95	Peak	362.00	150	Vertical	Pass
6**	17660.588	44.21	24.25	54.0	-9.79	AV	362.00	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	1391.800	38.09	-14.98	74.0	-35.91	Peak	360.00	150	Horizontal	Pass
1**	1391.800	27.53	-14.98	54.0	-26.47	AV	360.00	150	Horizontal	Pass
2	2461.200	89.40	-10.46	74.0	15.40	Peak	100.00	150	Horizontal	N/A
2**	2461.200	87.55	-10.46	54.0	33.55	AV	100.00	150	Horizontal	N/A
3	4924.200	51.57	-1.09	74.0	-22.43	Peak	298.00	150	Horizontal	Pass
3**	4924.200	49.20	-1.09	54.0	-4.80	AV	298.00	150	Horizontal	Pass
4	6987.600	51.78	4.44	74.0	-22.22	Peak	142.00	150	Horizontal	Pass
4**	6987.600	42.26	4.44	54.0	-11.74	AV	142.00	150	Horizontal	Pass
5	12348.650	48.87	19.72	74.0	-25.13	Peak	2.00	150	Horizontal	Pass
5**	12348.650	38.25	19.72	54.0	-15.75	AV	2.00	150	Horizontal	Pass
6	17712.562	55.48	24.25	74.0	-18.52	Peak	169.00	150	Horizontal	Pass
6**	17712.562	44.62	24.25	54.0	-9.38	AV	169.00	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	1417.300	37.86	-14.95	74.0	-36.14	Peak	191.00	150	Vertical	Pass
1**	1417.300	24.79	-14.95	54.0	-29.21	AV	191.00	150	Vertical	Pass
2	2461.100	103.84	-10.46	74.0	29.84	Peak	191.00	150	Vertical	N/A
2**	2461.100	102.32	-10.46	54.0	48.32	AV	191.00	150	Vertical	N/A
3	4924.200	50.52	-1.09	74.0	-23.48	Peak	173.00	150	Vertical	Pass
3**	4924.200	48.20	-1.09	54.0	-5.80	AV	173.00	150	Vertical	Pass
4	6973.200	51.67	5.12	74.0	-22.33	Peak	360.00	150	Vertical	Pass
4**	6973.200	42.68	5.12	54.0	-11.32	AV	360.00	150	Vertical	Pass
5	12464.224	49.54	18.61	74.0	-24.46	Peak	192.00	150	Vertical	Pass
5**	12464.224	37.47	18.61	54.0	-16.53	AV	192.00	150	Vertical	Pass
6	17853.262	56.31	24.15	74.0	-17.69	Peak	235.00	150	Vertical	Pass
6**	17853.262	45.36	24.15	54.0	-8.64	AV	235.00	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	1122.500	37.54	-15.26	74.0	-36.46	Peak	205.00	150	Horizontal	Pass
1**	1122.500	26.33	-15.26	54.0	-27.67	AV	205.00	150	Horizontal	Pass
2	2405.900	91.48	-10.77	74.0	17.48	Peak	119.00	150	Horizontal	N/A
2**	2405.900	85.01	-10.77	54.0	31.01	AV	119.00	150	Horizontal	N/A
3	4829.200	48.68	-1.44	74.0	-25.32	Peak	1.00	150	Horizontal	Pass
3**	4829.200	39.41	-1.44	54.0	-14.59	AV	1.00	150	Horizontal	Pass
4	6991.200	52.16	4.43	74.0	-21.84	Peak	261.00	150	Horizontal	Pass
4**	6991.200	41.41	4.43	54.0	-12.59	AV	261.00	150	Horizontal	Pass
5	11779.112	49.13	18.72	74.0	-24.87	Peak	140.00	150	Horizontal	Pass
5**	11779.112	36.71	18.72	54.0	-17.29	AV	140.00	150	Horizontal	Pass
6	17261.851	55.74	24.27	74.0	-18.26	Peak	289.00	150	Horizontal	Pass
6**	17261.851	44.69	24.27	54.0	-9.31	AV	289.00	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	1114.100	37.90	-15.32	74.0	-36.10	Peak	291.00	150	Vertical	Pass
1**	1114.100	29.24	-15.32	54.0	-24.76	AV	291.00	150	Vertical	Pass
2	2406.900	105.51	-10.67	74.0	31.51	Peak	2.00	150	Vertical	N/A
2**	2406.900	98.88	-10.67	54.0	44.88	AV	2.00	150	Vertical	N/A
3	4976.000	48.77	-1.40	74.0	-25.23	Peak	184.00	150	Vertical	Pass
3**	4976.000	38.58	-1.40	54.0	-15.42	AV	184.00	150	Vertical	Pass
4	6974.800	51.57	5.18	74.0	-22.43	Peak	288.00	150	Vertical	Pass
4**	6974.800	41.75	5.18	54.0	-12.25	AV	288.00	150	Vertical	Pass
5	12080.412	49.30	19.23	74.0	-24.70	Peak	35.00	150	Vertical	Pass
5**	12080.412	38.97	19.23	54.0	-15.03	AV	35.00	150	Vertical	Pass
6	17885.551	55.53	24.46	74.0	-18.47	Peak	225.00	150	Vertical	Pass
6**	17885.551	44.25	24.46	54.0	-9.75	AV	225.00	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	1066.300	37.90	-14.81	74.0	-36.10	Peak	2.00	150	Horizontal	Pass
1**	1066.300	27.05	-14.81	54.0	-26.95	AV	2.00	150	Horizontal	Pass
2	2430.400	91.16	-10.38	74.0	17.16	Peak	254.00	150	Horizontal	N/A
2**	2430.400	84.57	-10.38	54.0	30.57	AV	254.00	150	Horizontal	N/A
3	4473.000	47.41	-2.51	74.0	-26.59	Peak	1.00	150	Horizontal	Pass
3**	4473.000	37.62	-2.51	54.0	-16.38	AV	1.00	150	Horizontal	Pass
4	6709.200	51.99	3.13	74.0	-22.01	Peak	27.00	150	Horizontal	Pass
4**	6709.200	42.79	3.13	54.0	-11.21	AV	27.00	150	Horizontal	Pass
5	11273.400	49.05	18.00	74.0	-24.95	Peak	118.00	150	Horizontal	Pass
5**	11273.400	36.42	18.00	54.0	-17.58	AV	118.00	150	Horizontal	Pass
6	17772.151	55.76	23.75	74.0	-18.24	Peak	1.00	150	Horizontal	Pass
6**	17772.151	44.04	23.75	54.0	-9.96	AV	1.00	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	1760.200	38.57	-14.79	74.0	-35.43	Peak	122.00	150	Vertical	Pass
1**	1760.200	27.38	-14.79	54.0	-26.62	AV	122.00	150	Vertical	Pass
2	2432.200	104.96	-10.40	74.0	30.96	Peak	165.00	150	Vertical	N/A
2**	2432.200	98.89	-10.40	54.0	44.89	AV	165.00	150	Vertical	N/A
3	4976.400	49.50	-1.38	74.0	-24.50	Peak	1.00	150	Vertical	Pass
3**	4976.400	39.44	-1.38	54.0	-14.56	AV	1.00	150	Vertical	Pass
4	6975.800	51.48	5.17	74.0	-22.52	Peak	1.00	150	Vertical	Pass
4**	6975.800	41.94	5.17	54.0	-12.06	AV	1.00	150	Vertical	Pass
5	12376.825	49.36	19.43	74.0	-24.64	Peak	265.00	150	Vertical	Pass
5**	12376.825	37.31	19.43	54.0	-16.69	AV	265.00	150	Vertical	Pass
6	17295.712	56.43	24.57	74.0	-17.57	Peak	362.00	150	Vertical	Pass
6**	17295.712	45.18	24.57	54.0	-8.82	AV	362.00	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	1234.900	37.53	-14.79	74.0	-36.47	Peak	71.00	150	Horizontal	Pass
1**	1234.900	28.79	-14.79	54.0	-25.21	AV	71.00	150	Horizontal	Pass
2	2457.200	91.92	-10.24	74.0	17.92	Peak	108.00	150	Horizontal	N/A
2**	2457.200	85.51	-10.24	54.0	31.51	AV	108.00	150	Horizontal	N/A
3	4803.400	47.68	-1.23	74.0	-26.32	Peak	87.00	150	Horizontal	Pass
3**	4803.400	39.07	-1.23	54.0	-14.93	AV	87.00	150	Horizontal	Pass
4	6973.400	51.36	5.13	74.0	-22.64	Peak	32.00	150	Horizontal	Pass
4**	6973.400	43.24	5.13	54.0	-10.76	AV	32.00	150	Horizontal	Pass
5	11672.450	49.47	20.14	74.0	-24.53	Peak	145.00	150	Horizontal	Pass
5**	11672.450	36.93	20.14	54.0	-17.07	AV	145.00	150	Horizontal	Pass
6	17688.412	56.28	24.45	74.0	-17.72	Peak	18.00	150	Horizontal	Pass
6**	17688.412	45.65	24.45	54.0	-8.35	AV	18.00	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	1118.800	37.74	-15.26	74.0	-36.26	Peak	174.00	150	Vertical	Pass
1**	1118.800	29.23	-15.26	54.0	-24.77	AV	174.00	150	Vertical	Pass
2	2464.700	105.89	-10.51	74.0	31.89	Peak	340.00	150	Vertical	N/A
2**	2464.700	99.09	-10.51	54.0	45.09	AV	340.00	150	Vertical	N/A
3	4738.200	47.71	-2.00	74.0	-26.29	Peak	1.00	150	Vertical	Pass
3**	4738.200	38.17	-2.00	54.0	-15.83	AV	1.00	150	Vertical	Pass
4	6940.800	51.50	4.50	74.0	-22.50	Peak	270.00	150	Vertical	Pass
4**	6940.800	41.85	4.50	54.0	-12.15	AV	270.00	150	Vertical	Pass
5	12358.713	49.48	19.65	74.0	-24.52	Peak	136.00	150	Vertical	Pass
5**	12358.713	37.86	19.65	54.0	-16.14	AV	136.00	150	Vertical	Pass
6	17957.738	55.73	24.33	74.0	-18.27	Peak	251.00	150	Vertical	Pass
6**	17957.738	44.33	24.33	54.0	-9.67	AV	251.00	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	1121.700	41.46	-18.49	74.0	-32.54	Peak	131.00	150	Horizontal	Pass
1**	1121.700	31.79	-18.49	54.0	-22.21	AV	131.00	150	Horizontal	Pass
2	2408.200	96.63	-12.28	74.0	22.63	Peak	52.00	150	Horizontal	N/A
2**	2408.200	89.61	-12.28	54.0	35.61	AV	52.00	150	Horizontal	N/A
3	4744.800	49.72	-3.78	74.0	-24.28	Peak	263.00	150	Horizontal	Pass
3**	4744.800	39.34	-3.78	54.0	-14.66	AV	263.00	150	Horizontal	Pass
4	6684.400	52.46	-0.28	74.0	-21.54	Peak	0.00	150	Horizontal	Pass
4**	6684.400	43.56	-0.28	54.0	-10.44	AV	0.00	150	Horizontal	Pass
5	12461.350	51.11	1.78	74.0	-22.89	Peak	360.00	150	Horizontal	Pass
5**	12461.350	41.36	1.78	54.0	-12.64	AV	360.00	150	Horizontal	Pass
6	16806.675	54.54	0.88	74.0	-19.46	Peak	0.00	150	Horizontal	Pass
6**	16806.675	44.35	0.88	54.0	-9.65	AV	0.00	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	2332.100	52.54	-12.70	74.0	-21.46	Peak	343.00	150	Vertical	Pass
1**	2332.100	50.94	-12.70	54.0	-3.06	AV	343.00	150	Vertical	Pass
2	2405.000	101.40	-12.31	74.0	27.40	Peak	360.00	150	Vertical	N/A
2**	2405.000	93.33	-12.31	54.0	39.33	AV	360.00	150	Vertical	N/A
3	4898.000	49.40	-2.93	74.0	-24.60	Peak	34.00	150	Vertical	Pass
3**	4898.000	39.37	-2.93	54.0	-14.63	AV	34.00	150	Vertical	Pass
4	6996.600	52.98	0.19	74.0	-21.02	Peak	47.00	150	Vertical	Pass
4**	6996.600	44.28	0.19	54.0	-9.72	AV	47.00	150	Vertical	Pass
5	12859.987	50.79	1.46	74.0	-23.21	Peak	81.00	150	Vertical	Pass
5**	12859.987	41.12	1.46	54.0	-12.88	AV	81.00	150	Vertical	Pass
6	17464.500	55.42	2.88	74.0	-18.58	Peak	360.00	150	Vertical	Pass
6**	17464.500	45.96	2.88	54.0	-8.04	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	1492.800	40.88	-17.51	74.0	-33.12	Peak	323.00	150	Horizontal	Pass
1**	1492.800	29.46	-17.51	54.0	-24.54	AV	323.00	150	Horizontal	Pass
2	2431.800	95.25	-12.81	74.0	21.25	Peak	97.00	150	Horizontal	N/A
2**	2431.800	89.58	-12.81	54.0	35.58	AV	97.00	150	Horizontal	N/A
3	4874.200	48.83	-3.35	74.0	-25.17	Peak	136.00	150	Horizontal	Pass
3**	4874.200	40.09	-3.35	54.0	-13.91	AV	136.00	150	Horizontal	Pass
4	6996.400	53.51	0.19	74.0	-20.49	Peak	53.00	150	Horizontal	Pass
4**	6996.400	42.57	0.19	54.0	-11.43	AV	53.00	150	Horizontal	Pass
5	12269.300	50.99	1.43	74.0	-23.01	Peak	268.00	150	Horizontal	Pass
5**	12269.300	41.69	1.43	54.0	-12.31	AV	268.00	150	Horizontal	Pass
6	17424.863	54.76	3.62	74.0	-19.24	Peak	170.00	150	Horizontal	Pass
6**	17424.863	47.04	3.62	54.0	-6.96	AV	170.00	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	2357.000	52.54	-12.75	74.0	-21.46	Peak	247.00	150	Vertical	Pass
1**	2357.000	50.15	-12.75	54.0	-3.85	AV	247.00	150	Vertical	Pass
2	2429.800	100.99	-12.79	74.0	26.99	Peak	263.00	150	Vertical	N/A
2**	2429.800	94.25	-12.79	54.0	40.25	AV	263.00	150	Vertical	N/A
3	4876.600	48.96	-3.44	74.0	-25.04	Peak	158.00	150	Vertical	Pass
3**	4876.600	41.07	-3.44	54.0	-12.93	AV	158.00	150	Vertical	Pass
4	6987.800	52.48	0.36	74.0	-21.52	Peak	268.00	150	Vertical	Pass
4**	6987.800	43.69	0.36	54.0	-10.31	AV	268.00	150	Vertical	Pass
5	12454.450	51.23	1.88	74.0	-22.77	Peak	15.00	150	Vertical	Pass
5**	12454.450	42.36	1.88	54.0	-11.64	AV	15.00	150	Vertical	Pass
6	17420.136	54.66	3.75	74.0	-19.34	Peak	296.00	150	Vertical	Pass
6**	17420.136	45.89	3.75	54.0	-8.11	AV	296.00	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	1113.000	39.21	-18.58	74.0	-34.79	Peak	130.00	150	Horizontal	Pass
1**	1113.000	28.88	-18.58	54.0	-25.12	AV	130.00	150	Horizontal	Pass
2	2463.800	95.67	-12.78	74.0	21.67	Peak	96.00	150	Horizontal	N/A
2**	2463.800	87.71	-12.78	54.0	33.71	AV	96.00	150	Horizontal	N/A
3	4913.400	49.23	-2.23	74.0	-24.77	Peak	360.00	150	Horizontal	Pass
3**	4913.400	40.55	-2.23	54.0	-13.45	AV	360.00	150	Horizontal	Pass
4	6670.200	52.60	-0.74	74.0	-21.40	Peak	352.00	150	Horizontal	Pass
4**	6670.200	43.63	-0.74	54.0	-10.37	AV	352.00	150	Horizontal	Pass
5	12559.100	51.04	1.67	74.0	-22.96	Peak	123.00	150	Horizontal	Pass
5**	12559.100	41.77	1.67	54.0	-12.23	AV	123.00	150	Horizontal	Pass
6	16960.500	54.29	1.98	74.0	-19.71	Peak	80.00	150	Horizontal	Pass
6**	16960.500	45.12	1.98	54.0	-8.88	AV	80.00	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	2382.100	54.88	-12.58	74.0	-19.12	Peak	348.00	150	Vertical	Pass
1**	2382.100	52.41	-12.58	54.0	-1.59	AV	348.00	150	Vertical	Pass
2	2454.900	100.47	-12.66	74.0	26.47	Peak	169.00	150	Vertical	N/A
2**	2454.900	92.81	-12.66	54.0	38.81	AV	169.00	150	Vertical	N/A
3	4857.800	49.10	-3.27	74.0	-24.90	Peak	165.00	150	Vertical	Pass
3**	4857.800	40.17	-3.27	54.0	-13.83	AV	165.00	150	Vertical	Pass
4	6764.000	52.80	-1.18	74.0	-21.20	Peak	212.00	150	Vertical	Pass
4**	6764.000	43.13	-1.18	54.0	-10.87	AV	212.00	150	Vertical	Pass
5	13530.675	51.57	0.28	74.0	-22.43	Peak	31.00	150	Vertical	Pass
5**	13530.675	41.73	0.28	54.0	-12.27	AV	31.00	150	Vertical	Pass
6	17419.614	54.92	3.75	74.0	-19.08	Peak	262.00	150	Vertical	Pass
6**	17419.614	45.67	3.75	54.0	-8.33	AV	262.00	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	1000.000	33.87	-18.22	74.0	-40.13	Peak	209.00	150	Horizontal	Pass
1**	1000.000	30.04	-18.22	54.0	-23.96	AV	209.00	150	Horizontal	Pass
2	2428.500	94.63	-12.80	74.0	20.63	Peak	52.00	150	Horizontal	N/A
2**	2428.500	86.28	-12.80	54.0	32.28	AV	52.00	150	Horizontal	N/A
3	4773.200	48.94	-3.00	74.0	-25.06	Peak	314.00	150	Horizontal	Pass
3**	4773.200	39.70	-3.00	54.0	-14.30	AV	314.00	150	Horizontal	Pass
4	6602.600	52.84	-0.12	74.0	-21.16	Peak	78.00	150	Horizontal	Pass
4**	6602.600	42.41	-0.12	54.0	-11.59	AV	78.00	150	Horizontal	Pass
5	13044.263	51.24	1.48	74.0	-22.76	Peak	159.00	150	Horizontal	Pass
5**	13044.263	42.38	1.48	54.0	-11.62	AV	159.00	150	Horizontal	Pass
6	16805.887	54.15	0.88	74.0	-19.85	Peak	98.00	150	Horizontal	Pass
6**	16805.887	44.52	0.88	54.0	-9.48	AV	98.00	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	2262.100	48.02	-12.70	74.0	-25.98	Peak	167.00	150	Vertical	Pass
1**	2262.100	44.83	-12.70	54.0	-9.17	AV	167.00	150	Vertical	Pass
2	2425.800	100.11	-12.86	74.0	26.11	Peak	71.00	150	Vertical	N/A
2**	2425.800	93.28	-12.86	54.0	39.28	AV	71.00	150	Vertical	N/A
3	4779.000	49.20	-2.91	74.0	-24.80	Peak	213.00	150	Vertical	Pass
3**	4779.000	39.70	-2.91	54.0	-14.30	AV	213.00	150	Vertical	Pass
4	6694.400	52.44	-0.38	74.0	-21.56	Peak	138.00	150	Vertical	Pass
4**	6694.400	43.05	-0.38	54.0	-10.95	AV	138.00	150	Vertical	Pass
5	13041.112	51.23	1.52	74.0	-22.77	Peak	282.00	150	Vertical	Pass
5**	13041.112	42.33	1.52	54.0	-11.67	AV	282.00	150	Vertical	Pass
6	17468.963	54.57	2.90	74.0	-19.43	Peak	282.00	150	Vertical	Pass
6**	17468.963	45.95	2.90	54.0	-8.05	AV	282.00	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	1133.100	41.74	-18.38	74.0	-32.26	Peak	128.00	150	Horizontal	Pass
1**	1133.100	33.23	-18.38	54.0	-20.77	AV	128.00	150	Horizontal	Pass
2	2432.100	94.09	-12.83	74.0	20.09	Peak	49.00	150	Horizontal	N/A
2**	2432.100	86.21	-12.83	54.0	32.21	AV	49.00	150	Horizontal	N/A
3	4801.800	49.61	-2.60	74.0	-24.39	Peak	293.00	150	Horizontal	Pass
3**	4801.800	40.18	-2.60	54.0	-13.82	AV	293.00	150	Horizontal	Pass
4	6974.200	52.72	0.79	74.0	-21.28	Peak	222.00	150	Horizontal	Pass
4**	6974.200	43.88	0.79	54.0	-10.12	AV	222.00	150	Horizontal	Pass
5	12603.375	51.95	1.91	74.0	-22.05	Peak	140.00	150	Horizontal	Pass
5**	12603.375	41.88	1.91	54.0	-12.12	AV	140.00	150	Horizontal	Pass
6	17194.912	54.36	2.19	74.0	-19.64	Peak	222.00	150	Horizontal	Pass
6**	17194.912	45.21	2.19	54.0	-8.79	AV	222.00	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	2197.100	46.96	-13.18	74.0	-27.04	Peak	343.00	150	Vertical	Pass
1**	2197.100	41.25	-13.18	54.0	-12.75	AV	343.00	150	Vertical	Pass
2	2420.800	99.53	-12.42	74.0	25.53	Peak	360.00	150	Vertical	N/A
2**	2420.800	92.87	-12.42	54.0	38.87	AV	360.00	150	Vertical	N/A
3	4792.800	49.63	-2.66	74.0	-24.37	Peak	42.00	150	Vertical	Pass
3**	4792.800	40.33	-2.66	54.0	-13.67	AV	42.00	150	Vertical	Pass
4	6685.600	52.36	-0.19	74.0	-21.64	Peak	153.00	150	Vertical	Pass
4**	6685.600	43.47	-0.19	54.0	-10.53	AV	153.00	150	Vertical	Pass
5	12922.988	51.27	1.18	74.0	-22.73	Peak	87.00	150	Vertical	Pass
5**	12922.988	41.36	1.18	54.0	-12.64	AV	87.00	150	Vertical	Pass
6	17465.287	55.22	2.89	74.0	-18.78	Peak	0.00	150	Vertical	Pass
6**	17465.287	48.01	2.89	54.0	-5.99	AV	0.00	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	1120.500	39.67	-18.50	74.0	-34.33	Peak	128.00	150	Horizontal	Pass
1**	1120.500	32.13	-18.50	54.0	-21.87	AV	128.00	150	Horizontal	Pass
2	2438.200	93.68	-12.60	74.0	19.68	Peak	99.00	150	Horizontal	N/A
2**	2438.200	85.73	-12.60	54.0	31.73	AV	99.00	150	Horizontal	N/A
3	4785.800	49.49	-2.73	74.0	-24.51	Peak	220.00	150	Horizontal	Pass
3**	4785.800	40.26	-2.73	54.0	-13.74	AV	220.00	150	Horizontal	Pass
4	6934.200	52.66	-0.25	74.0	-21.34	Peak	248.00	150	Horizontal	Pass
4**	6934.200	43.00	-0.25	54.0	-11.00	AV	248.00	150	Horizontal	Pass
5	11830.575	51.03	1.19	74.0	-22.97	Peak	158.00	150	Horizontal	Pass
5**	11830.575	40.89	1.19	54.0	-13.11	AV	158.00	150	Horizontal	Pass
6	17420.401	55.32	3.75	74.0	-18.68	Peak	24.00	150	Horizontal	Pass
6**	17420.401	45.99	3.75	54.0	-8.01	AV	24.00	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	2132.100	44.73	-13.98	74.0	-29.27	Peak	146.00	150	Vertical	Pass
1**	2132.100	40.78	-13.98	54.0	-13.22	AV	146.00	150	Vertical	Pass
2	2455.800	99.58	-12.70	74.0	25.58	Peak	192.00	150	Vertical	N/A
2**	2455.800	92.84	-12.70	54.0	38.84	AV	192.00	150	Vertical	N/A
3	4804.600	48.79	-2.80	74.0	-25.21	Peak	81.00	150	Vertical	Pass
3**	4804.600	40.68	-2.80	54.0	-13.32	AV	81.00	150	Vertical	Pass
4	6264.600	52.11	-0.77	74.0	-21.89	Peak	81.00	150	Vertical	Pass
4**	6264.600	43.18	-0.77	54.0	-10.82	AV	81.00	150	Vertical	Pass
5	11062.950	50.65	-0.92	74.0	-23.35	Peak	325.00	150	Vertical	Pass
5**	11062.950	40.91	-0.92	54.0	-13.09	AV	325.00	150	Vertical	Pass
6	17424.863	55.34	3.62	74.0	-18.66	Peak	229.00	150	Vertical	Pass
6**	17424.863	46.41	3.62	54.0	-7.59	AV	229.00	150	Vertical	Pass



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

### Test Data

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

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

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

### Main Antenna

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	56.922	32.61	74	17.078	PEAK	Pass
		2390	46.683	32.61	54	7.317	AVERAGE	Pass
	HIGH	2483.5	57.358	32.54	74	16.642	PEAK	Pass
		2483.5	47.280	32.54	54	6.720	AVERAGE	Pass
802.11g	Low	2390	65.524	32.61	74	8.476	PEAK	Pass
		2390	51.165	32.61	54	2.835	AVERAGE	Pass
	HIGH	2483.5	67.391	31.40	74	6.609	PEAK	Pass
		2483.5	52.171	31.40	54	1.829	AVERAGE	Pass
802.11n20	Low	2390	68.567	32.61	74	5.433	PEAK	Pass
		2390	53.079	32.61	54	0.921	AVERAGE	Pass
	HIGH	2483.5	73.527	31.40	74	0.473	PEAK	Pass
		2483.5	52.684	31.40	54	1.316	AVERAGE	Pass
802.11n40	Low	2390	70.761	31.47	74	3.239	PEAK	Pass
		2390	53.848	31.47	54	0.152	AVERAGE	Pass
	HIGH	2483.5	71.346	31.40	74	2.654	PEAK	Pass
		2483.5	53.307	31.40	54	0.693	AVERAGE	Pass

Aux. Antenna

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	57.587	32.61	74	16.413	PEAK	Pass
		2390	48.025	32.61	54	5.975	AVERAGE	Pass
	HIGH	2483.5	56.864	32.54	74	17.136	PEAK	Pass
		2483.5	46.627	32.54	54	7.373	AVERAGE	Pass
802.11g	Low	2390	67.892	31.47	74	6.108	PEAK	Pass
		2390	52.877	31.47	54	1.123	AVERAGE	Pass
	HIGH	2483.5	68.079	32.54	74	5.921	PEAK	Pass
		2483.5	53.340	32.54	54	0.660	AVERAGE	Pass
802.11n20	Low	2390	69.718	31.47	74	4.282	PEAK	Pass
		2390	52.147	31.47	54	1.853	AVERAGE	Pass
	HIGH	2483.5	73.929	31.40	74	0.071	PEAK	Pass
		2483.5	52.958	31.40	54	1.042	AVERAGE	Pass
802.11n40	Low	2390	69.455	31.47	74	4.545	PEAK	Pass
		2390	53.104	31.47	54	0.896	AVERAGE	Pass
	HIGH	2483.5	70.849	31.40	74	3.151	PEAK	Pass
		2483.5	53.216	31.40	54	0.784	AVERAGE	Pass

MIMO

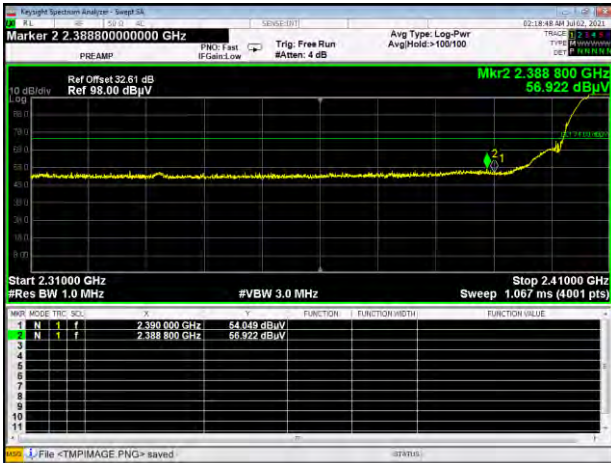
Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	56.904	32.61	74	17.096	PEAK	Pass
		2390	46.178	32.61	54	7.822	AVERAGE	Pass
	HIGH	2483.5	57.236	32.54	74	16.764	PEAK	Pass
		2483.5	46.845	32.54	54	7.155	AVERAGE	Pass
802.11g	Low	2390	59.647	32.61	74	14.353	PEAK	Pass
		2390	47.921	32.61	54	6.079	AVERAGE	Pass
	HIGH	2483.5	64.981	32.54	74	9.019	PEAK	Pass
		2483.5	48.913	32.54	54	5.087	AVERAGE	Pass
802.11n20	Low	2390	61.603	32.61	74	12.397	PEAK	Pass
		2390	48.372	32.61	54	5.628	AVERAGE	Pass
	HIGH	2483.5	67.084	32.54	74	6.916	PEAK	Pass
		2483.5	49.294	32.54	54	4.706	AVERAGE	Pass
802.11n40	Low	2390	66.587	32.61	74	7.413	PEAK	Pass
		2390	48.544	32.61	54	5.456	AVERAGE	Pass
	HIGH	2483.5	68.393	32.54	74	5.607	PEAK	Pass
		2483.5	51.221	32.54	54	2.779	AVERAGE	Pass

Test plots

Main Antenna

802.11b Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV

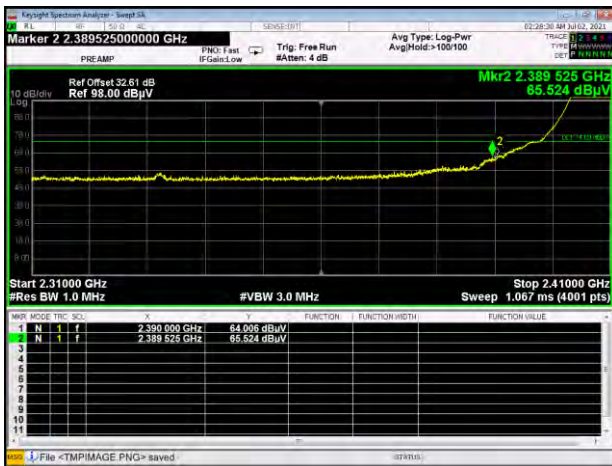


HIGH CHANNEL, AV



802.11g Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV









HIGH CHANNEL, PEAK



HIGH CHANNEL, AV

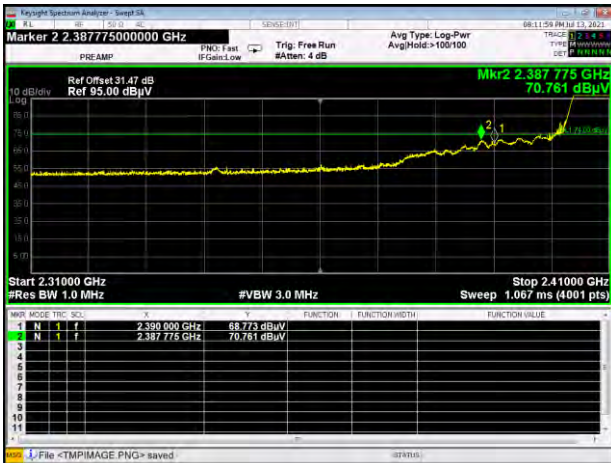


HIGH CHANNEL, AV



802.11n-40 MHz Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV

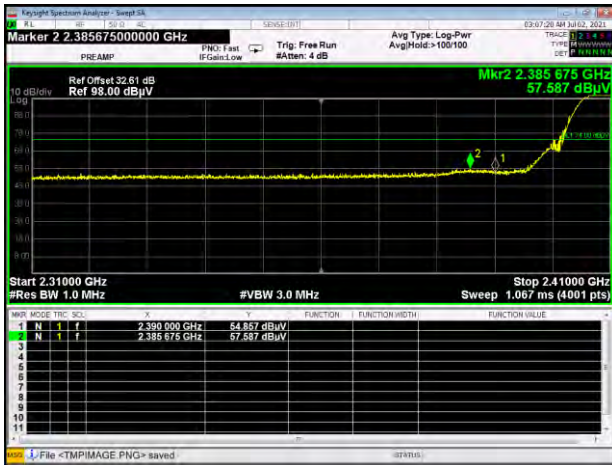


HIGH CHANNEL, AV



Aux. Antenna  
802.11b Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK





HIGH CHANNEL, AV



HIGH CHANNEL, AV



802.11g Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



HIGH CHANNEL, PEAK

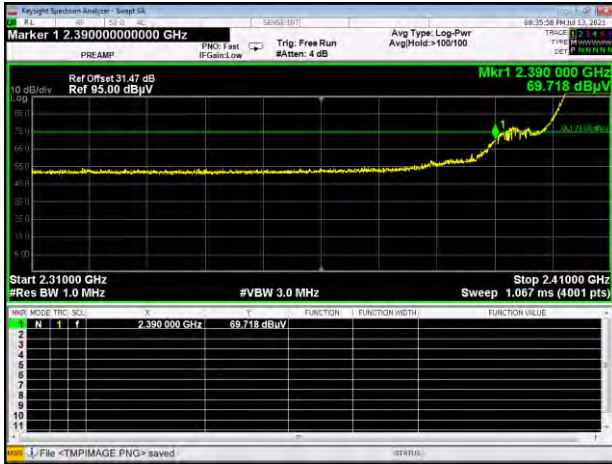


HIGH CHANNEL, AV



802.11n-20 MHz Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



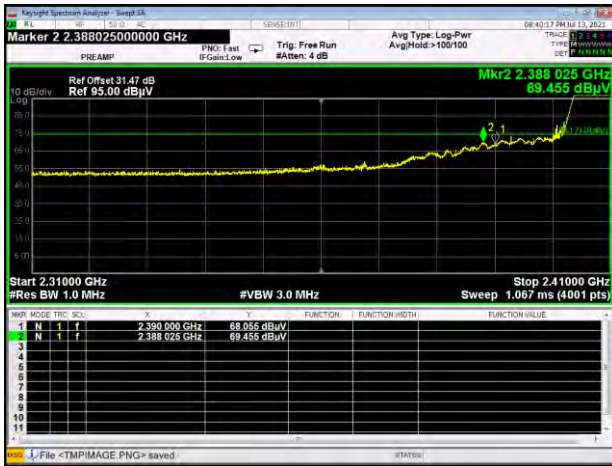
HIGH CHANNEL, AV





802.11n-40 MHz Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



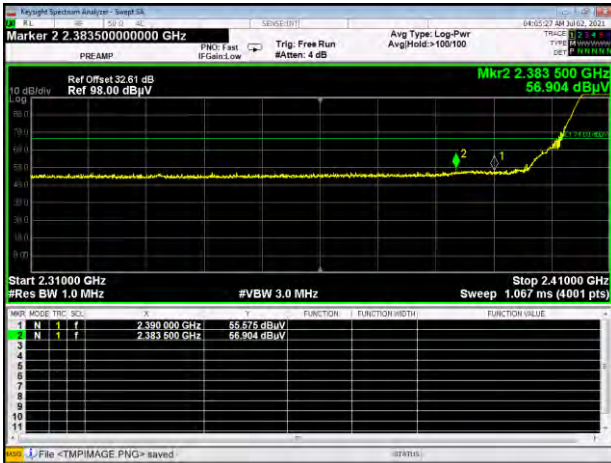
HIGH CHANNEL, AV



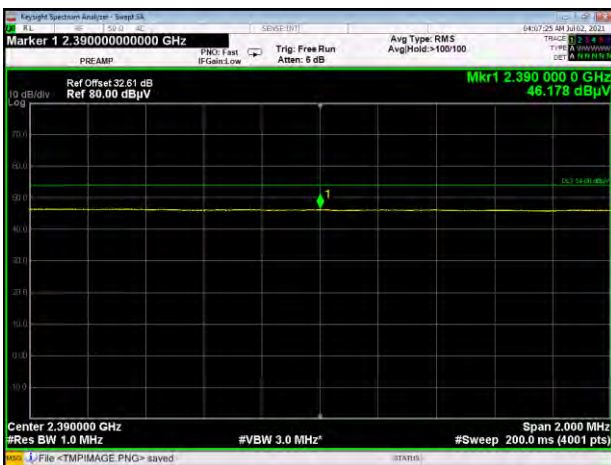
MIMO

802.11b Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV

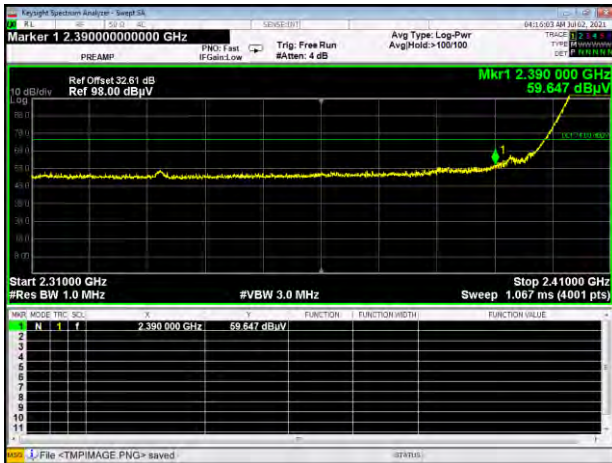


HIGH CHANNEL, AV



802.11g Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV





HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



HIGH CHANNEL, AV



802.11n-20 MHz Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



HIGH CHANNEL, AV



802.11n-40 MHz Mode:

LOW CHANNEL, PEAK





LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



HIGH CHANNEL, AV



## A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.23	8
Middle	-16.37	8
High	-16.13	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.43	8
Middle	-18.22	8
High	-18.58	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.84	8
Middle	-18.53	8
High	-18.69	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.45	8
Middle	-21.56	8
High	-21.75	8

Aux. Antenna

## 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.60	8
Middle	-17.06	8
High	-16.48	8

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.02	8
Middle	-18.56	8
High	-18.72	8

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.27	8
Middle	-18.59	8
High	-18.92	8

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.76	8
Middle	-21.50	8
High	-22.32	8

MIMO-Main Antenna

## 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.40	8
Middle	-19.26	8
High	-19.08	8

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.88	8
Middle	-21.65	8
High	-22.40	8

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.25	8
Middle	-21.95	8
High	-25.24	8

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.82	8
Middle	-25.18	8
High	-25.99	8

MIMO-Aux. Antenna

## 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.57	8
Middle	-21.44	8
High	-20.40	8

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.40	8
Middle	-22.87	8
High	-23.35	8

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.28	8
Middle	-23.00	8
High	-23.47	8

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-26.61	8
Middle	-26.23	8
High	-26.51	8

MIMO

## 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.93	8
Middle	-17.20	8
High	-16.68	8

## 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.56	8
Middle	-19.21	8
High	-19.84	8

## 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.72	8
Middle	-19.43	8
High	-21.26	8

## 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.61	8
Middle	-22.66	8
High	-23.23	8



Test plots

Main Antenna

802.11b LOW CHANNEL



Date: 27 APR 2021 17:04:48

802.11b MIDDLE CHANNEL



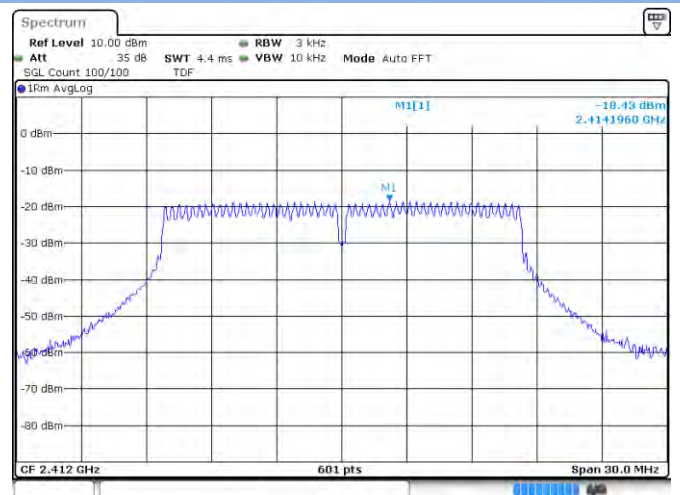
Date: 27 APR 2021 17:09:06

802.11b HIGH CHANNEL



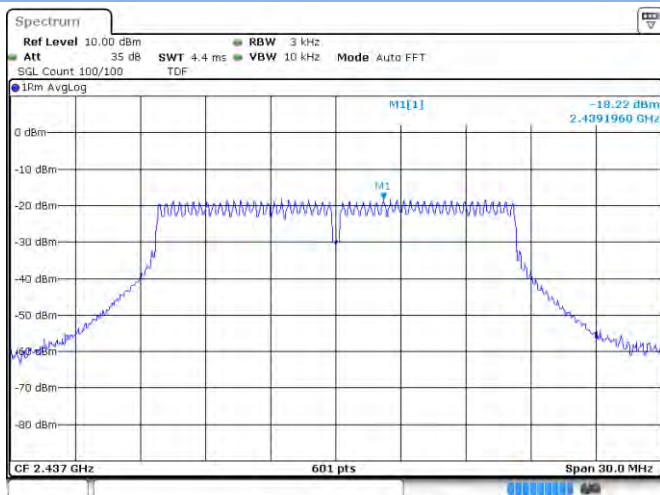
Date: 27 APR 2021 17:13:13

802.11g LOW CHANNEL



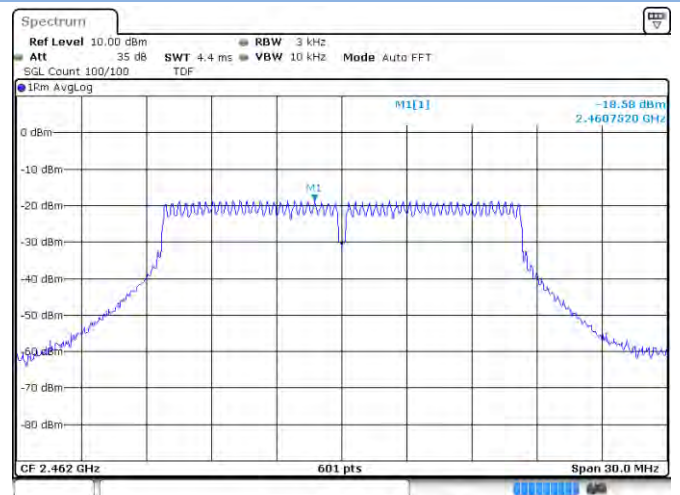
Date: 27 APR 2021 17:29:50

802.11g MIDDLE CHANNEL



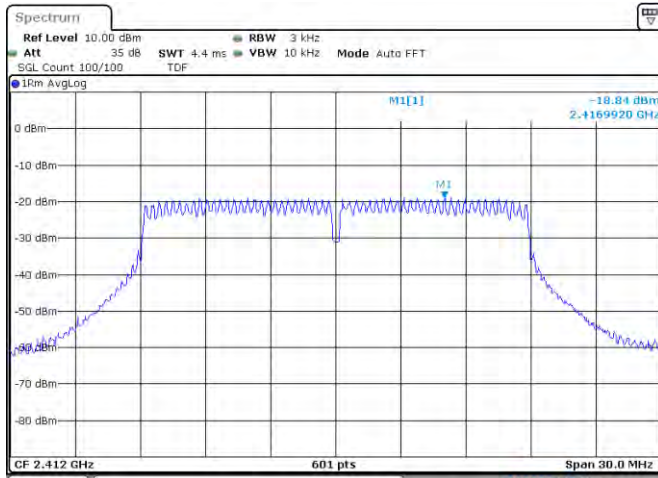
Date: 27 APR 2021 17:32:22

802.11g HIGH CHANNEL



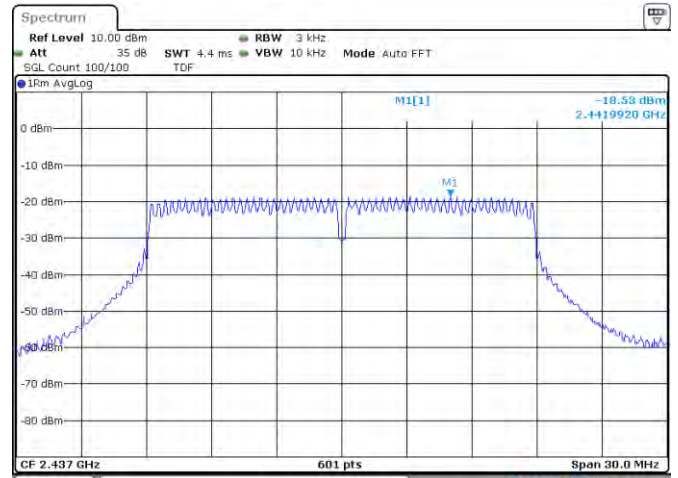
Date: 27 APR 2021 17:36:49

802.11n-20 MHz LOW CHANNEL



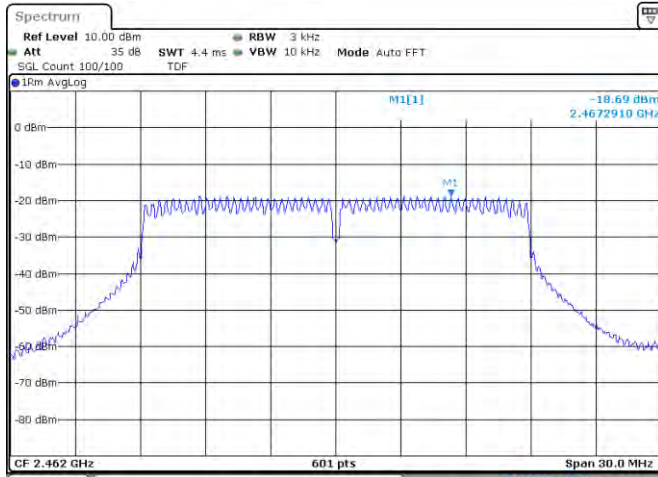
Date: 27.APR.2021 17:39:45

802.11 n-20 MHz MIDDLE CHANNEL



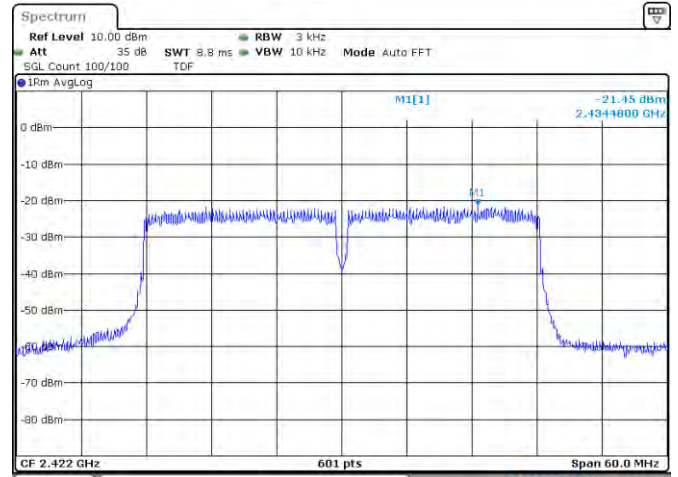
Date: 27.APR.2021 17:42:07

802.11n-20 MHz HIGH CHANNEL



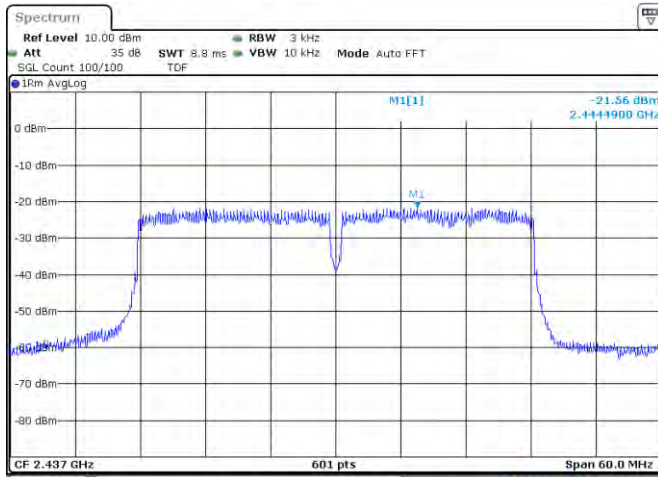
Date: 27.APR.2021 17:44:48

802.11n-40 MHz LOW CHANNEL



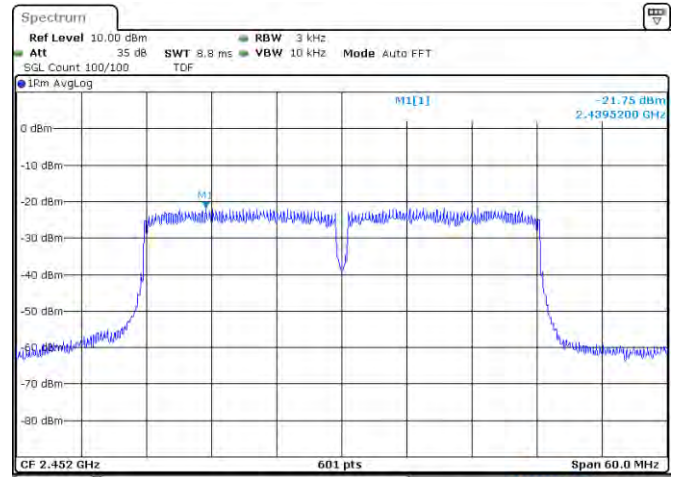
Date: 27.APR.2021 17:47:33

802.11n-40 MHz MIDDLE CHANNEL



Date: 27.APR.2021 17:49:55

802.11n-40 MHz HIGH CHANNEL



Date: 27.APR.2021 17:52:46



Aux. Antenna

802.11b LOW CHANNEL



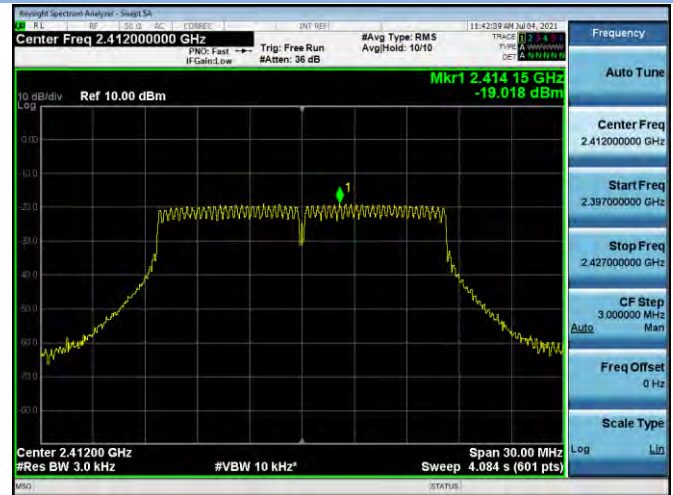
802.11b MIDDLE CHANNEL



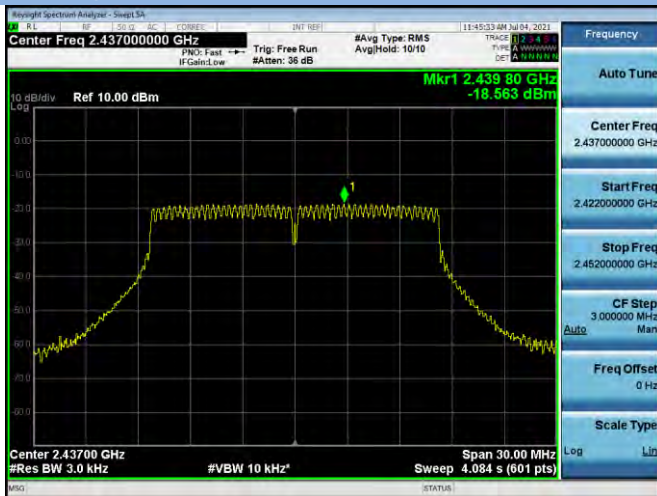
802.11b HIGH CHANNEL



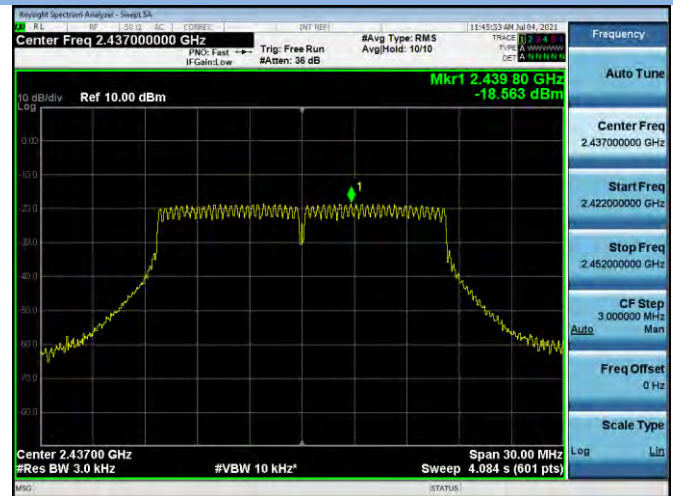
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



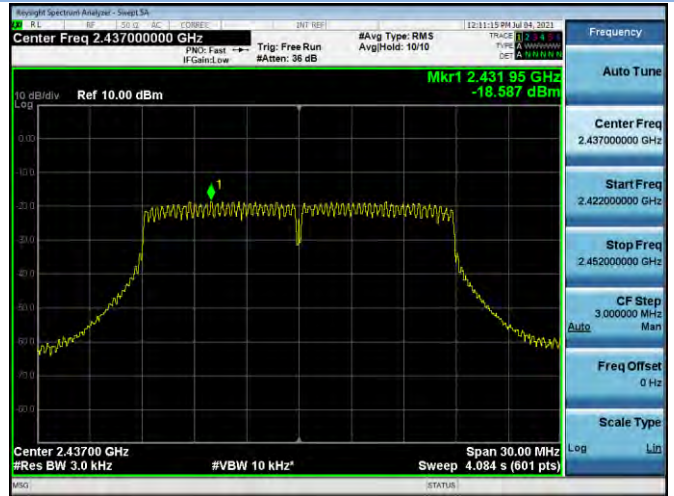
802.11g HIGH CHANNEL



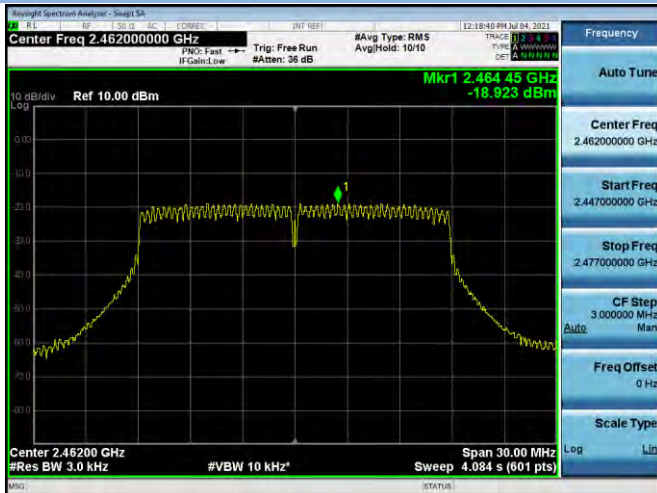
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL





## MIMO-Main Antenna

## 802.11b LOW CHANNEL



Date: 27 APR 2021 17:58:29

## 802.11b MIDDLE CHANNEL



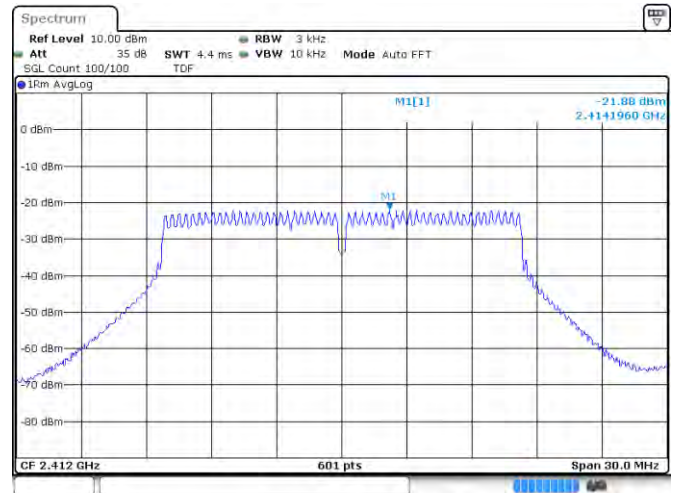
Date: 27 APR 2021 18:00:50

## 802.11b HIGH CHANNEL



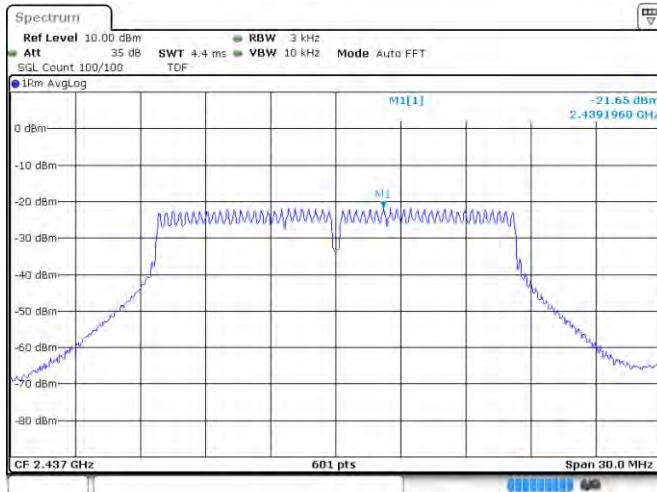
Date: 27 APR 2021 18:40:08

## 802.11g LOW CHANNEL



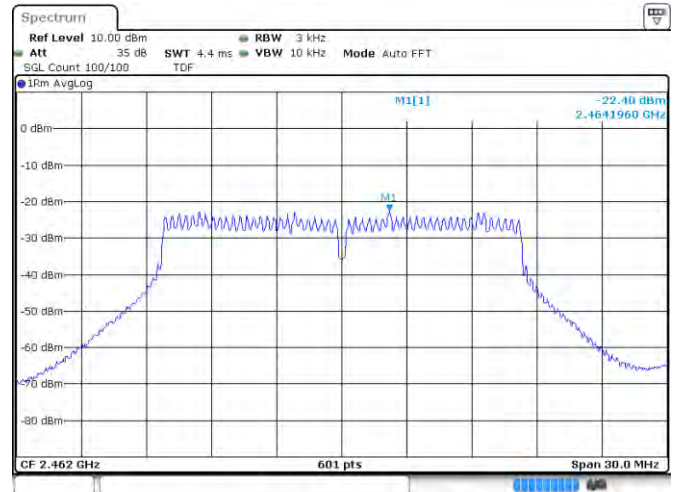
Date: 27 APR 2021 18:43:04

## 802.11g MIDDLE CHANNEL



Date: 27 APR 2021 18:45:05

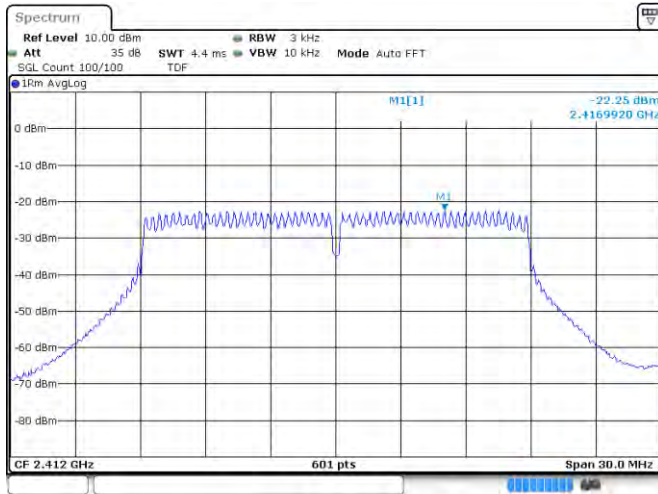
## 802.11g HIGH CHANNEL



Date: 27 APR 2021 18:48:35

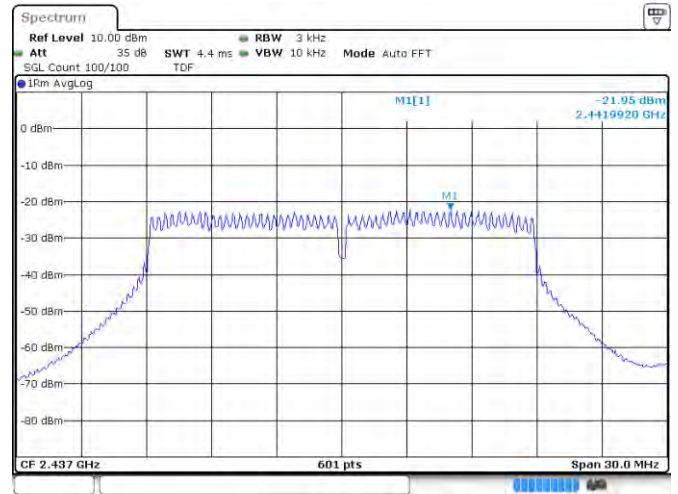


802.11n-20 MHz LOW CHANNEL



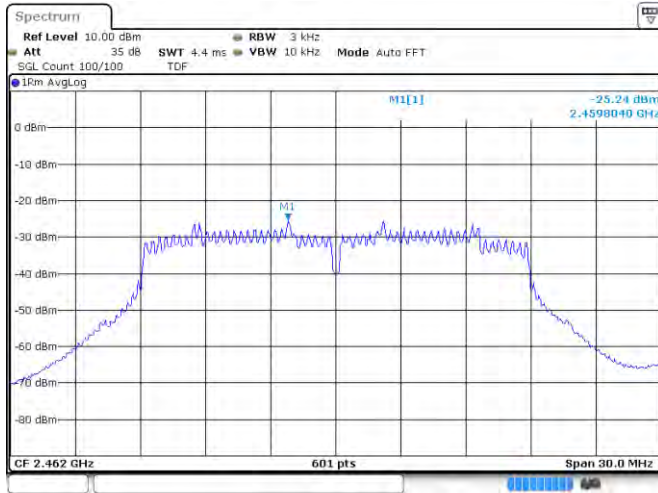
Date: 27 APR 2021 18:52:06

802.11 n-20 MHz MIDDLE CHANNEL



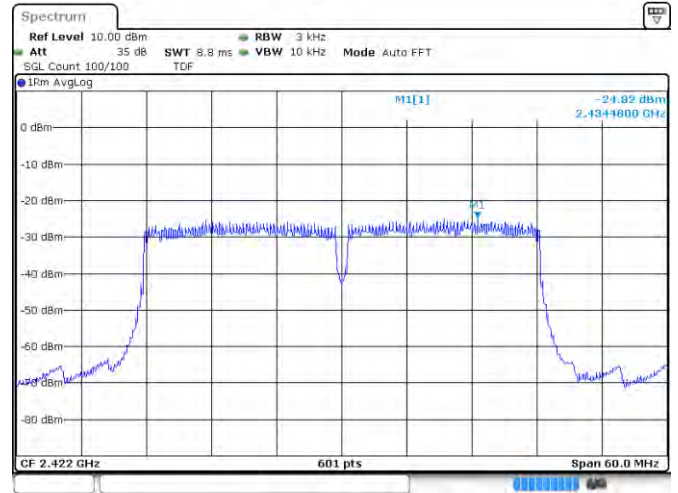
Date: 27 APR 2021 18:54:42

802.11n-20 MHz HIGH CHANNEL



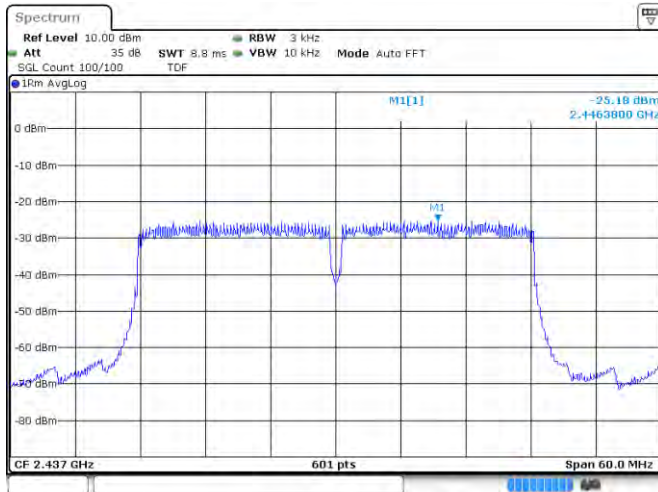
Date: 27 APR 2021 18:58:27

802.11n-40 MHz LOW CHANNEL



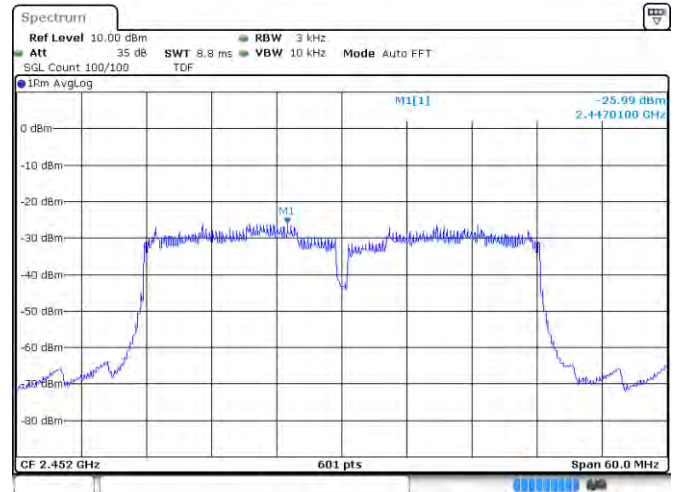
Date: 27 APR 2021 19:01:25

802.11n-40 MHz MIDDLE CHANNEL



Date: 27 APR 2021 19:03:22

802.11n-40 MHz HIGH CHANNEL



Date: 27 APR 2021 19:05:57

MIMO-Aux. Antenna

802.11b LOW CHANNEL



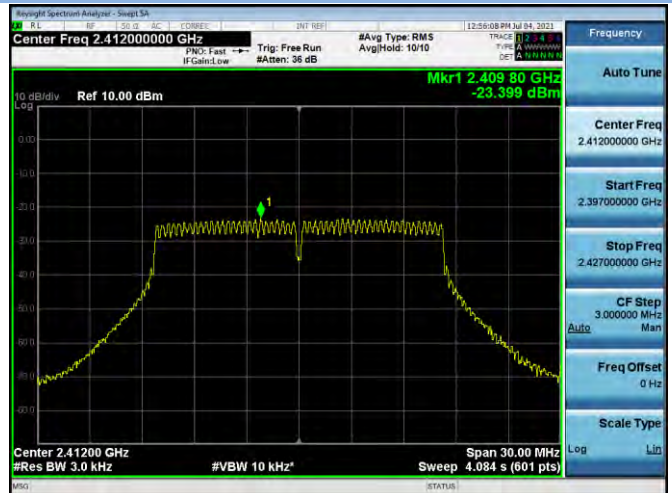
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL





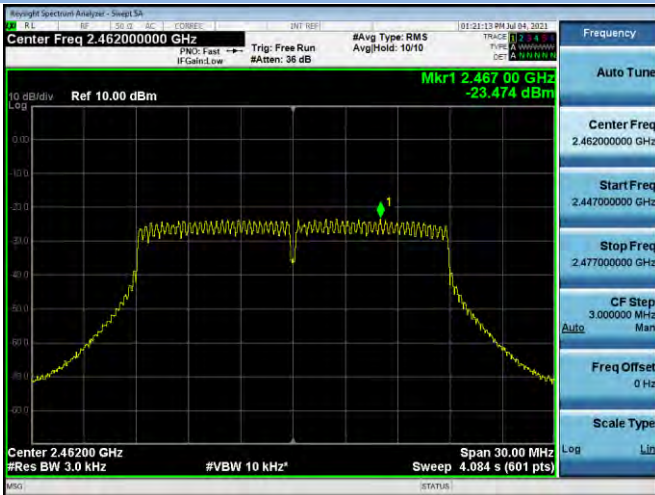
802.11n-20 MHz LOW CHANNEL



802.11 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-SZ2140760-AR.pdf".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2140760-AW.pdf".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2140760-AI.pdf".

--END OF REPORT--