

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

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

Test Data

Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.93	5.83	-14.17	Pass
High Channel	-44.57	6.44	-13.56	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-24.98	3.50	-16.51	Pass
High Channel	-41.93	4.03	-15.97	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-26.70	2.69	-17.31	Pass
High Channel	-42.90	3.30	-16.70	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.63	5.82	-14.18	Pass
High Channel	-47.95	0.16	-19.84	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-26.63	1.60	-18.40	Pass
High Channel	-47.82	-4.90	-24.90	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-28.86	1.62	-18.38	Pass
High Channel	-46.69	-6.52	-26.52	Pass

MIMO-Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-43.09	3.14	-16.86	Pass
High Channel	-47.43	-0.06	-20.06	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-26.51	1.51	-18.50	Pass
High Channel	-47.86	-6.09	-26.09	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-27.80	0.96	-19.04	Pass
High Channel	-47.23	-6.49	-26.49	Pass

MIMO-Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-42.66	3.40	-16.60	Pass
High Channel	-46.95	0.65	-19.35	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.12	1.19	-18.81	Pass
High Channel	-46.87	-5.32	-25.32	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-20.59	-0.59	-20.59	Pass
High Channel	-46.75	-5.27	-25.27	Pass

Test Plots

Main Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



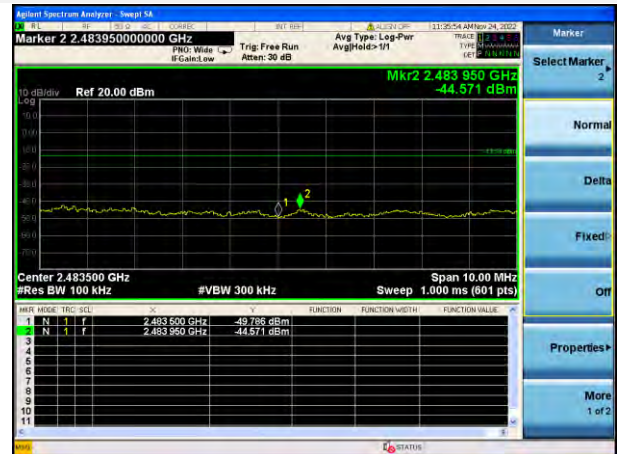
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



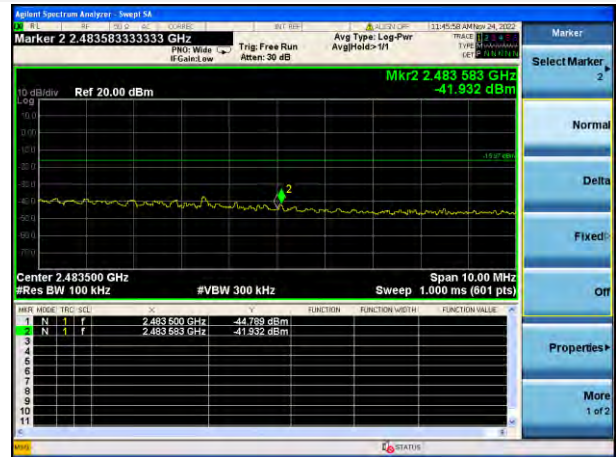
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



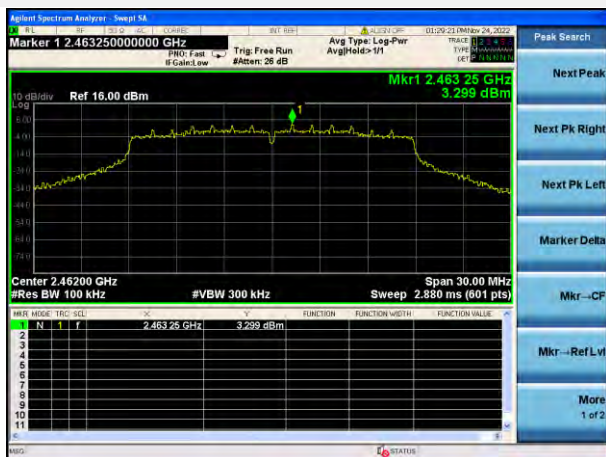
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



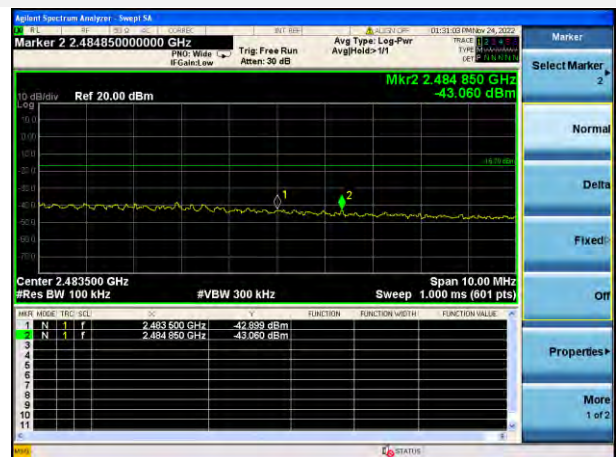
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



Aux. Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



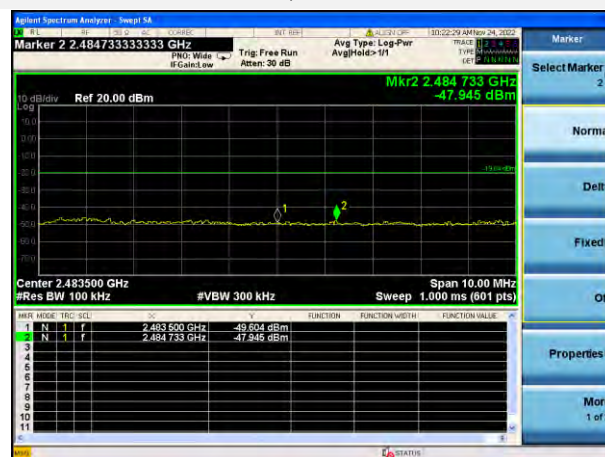
802.11b LOW CHANNEL, BAND EDGE



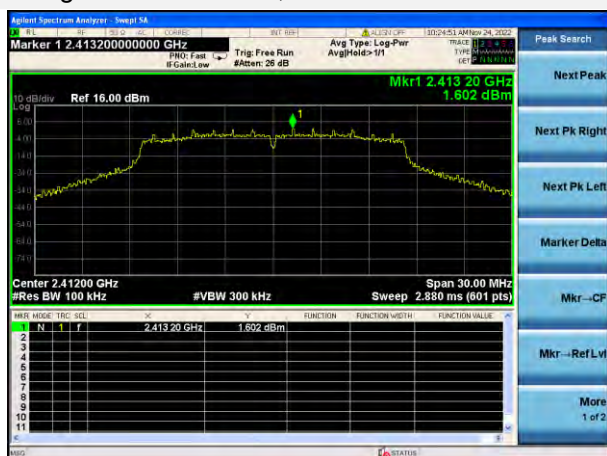
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



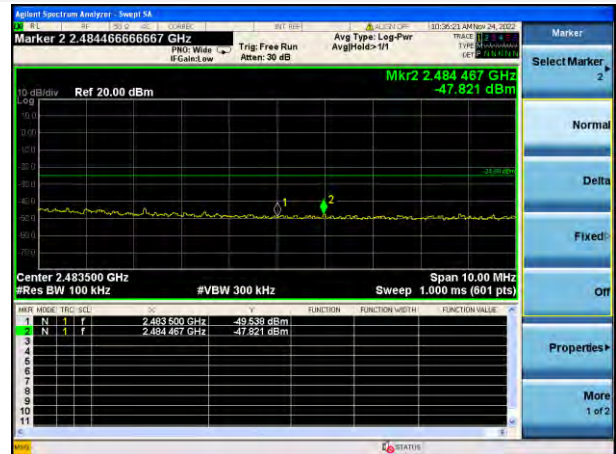
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



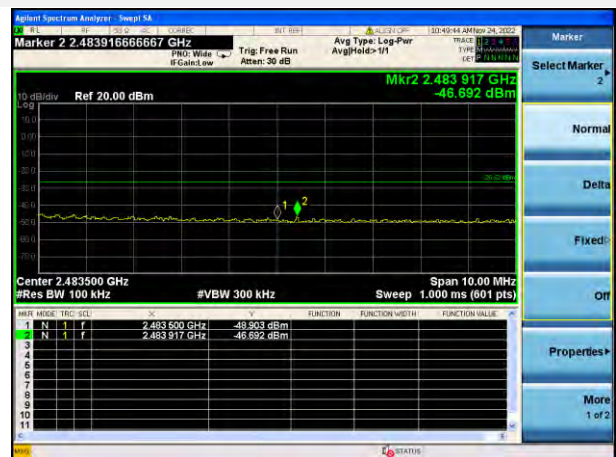
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



MIMO-Main Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



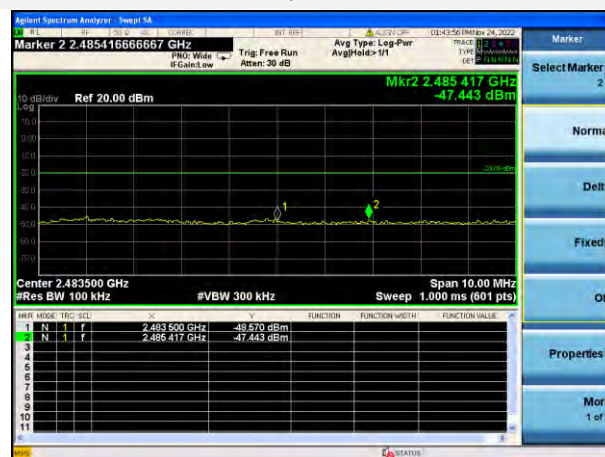
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



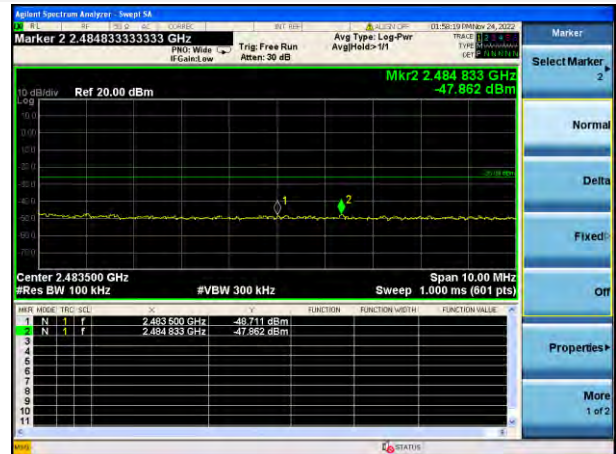
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



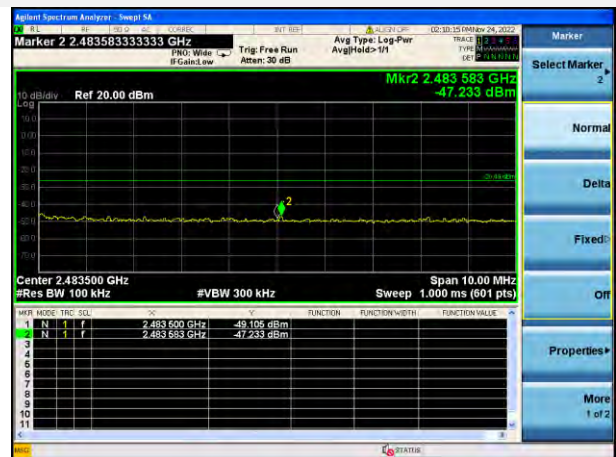
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



MIMO-Aux. Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



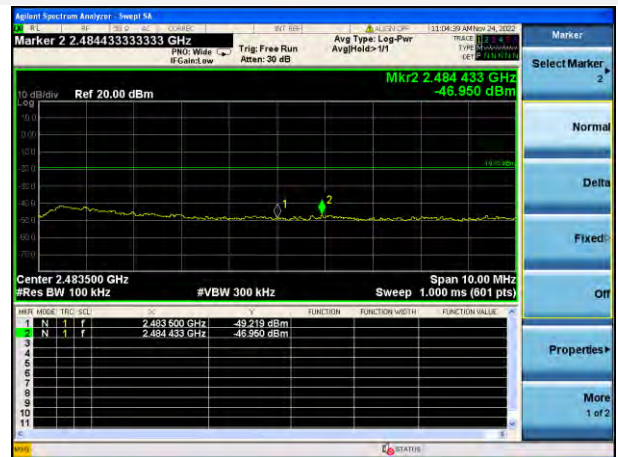
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



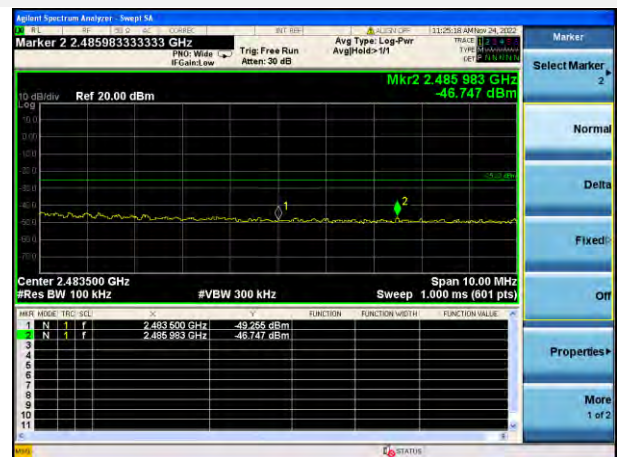
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

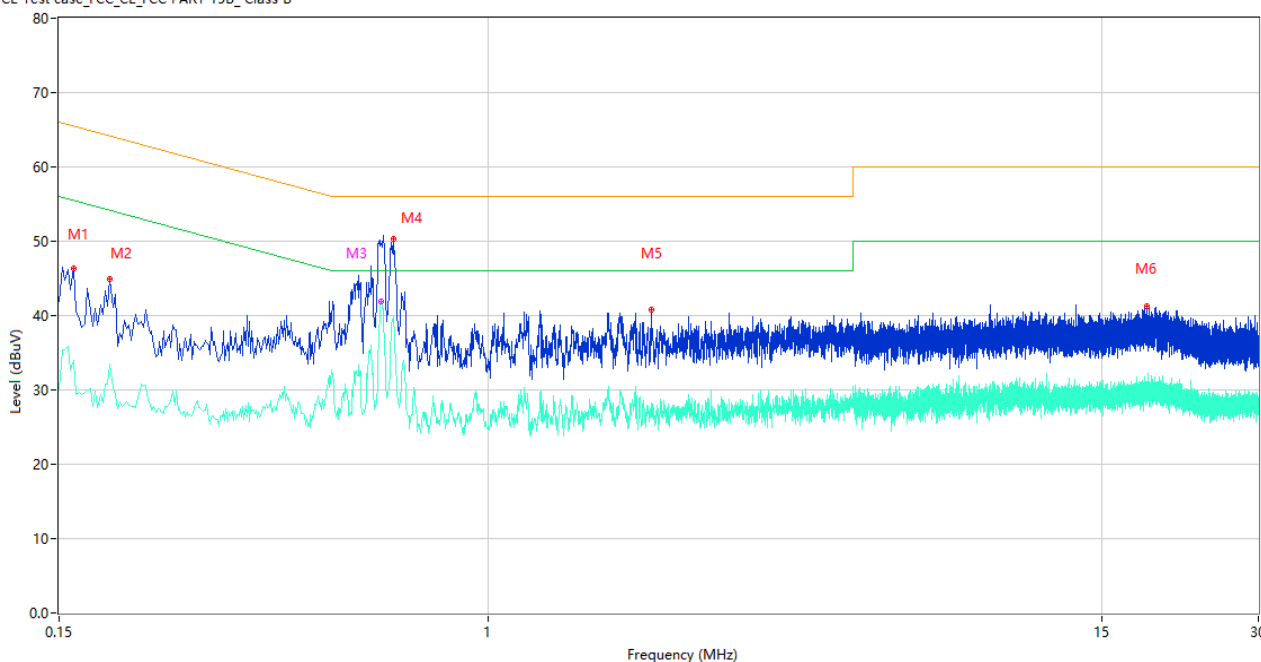
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

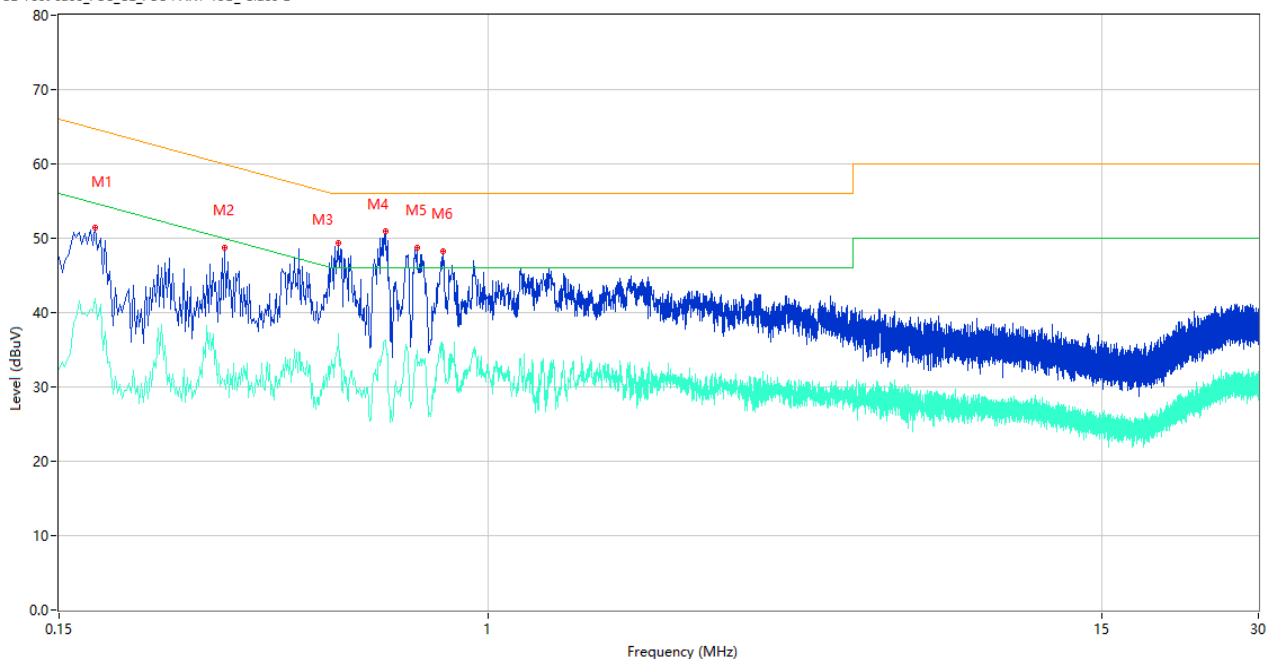
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	46.31	10.08	65.46	19.15	Peak	L	Pass
1**	0.160	33.89	10.08	55.46	21.57	AV	L	Pass
2	0.188	44.90	10.06	64.12	19.22	Peak	L	Pass
2**	0.188	33.47	10.06	54.12	20.65	AV	L	Pass
3	0.622	49.46	10.35	56.00	6.54	Peak	L	Pass
3**	0.622	41.86	10.35	46.00	4.14	AV	L	Pass
4	0.656	50.25	10.43	56.00	5.75	Peak	L	Pass
4**	0.656	39.78	10.43	46.00	6.22	AV	L	Pass
5	2.052	40.84	10.53	56.00	15.16	Peak	L	Pass
5**	2.052	28.33	10.53	46.00	17.67	AV	L	Pass
6	18.306	41.19	10.44	60.00	18.81	Peak	L	Pass
6**	18.306	29.37	10.44	50.00	20.63	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	51.35	10.07	64.67	13.32	Peak	N	Pass
1**	0.176	41.94	10.07	54.67	12.73	AV	N	Pass
2	0.312	48.74	10.22	59.92	11.18	Peak	N	Pass
2**	0.312	30.94	10.22	49.92	18.98	AV	N	Pass
3	0.516	49.44	10.18	56.00	6.56	Peak	N	Pass
3**	0.516	37.08	10.18	46.00	8.92	AV	N	Pass
4	0.636	50.92	10.36	56.00	5.08	Peak	N	Pass
4**	0.636	36.27	10.36	46.00	9.73	AV	N	Pass
5	0.728	48.80	10.54	56.00	7.20	Peak	N	Pass
5**	0.728	34.86	10.54	46.00	11.14	AV	N	Pass
6	0.820	48.29	10.70	56.00	7.71	Peak	N	Pass
6**	0.820	35.74	10.70	46.00	10.26	AV	N	Pass

A.6 Radiated Emission

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

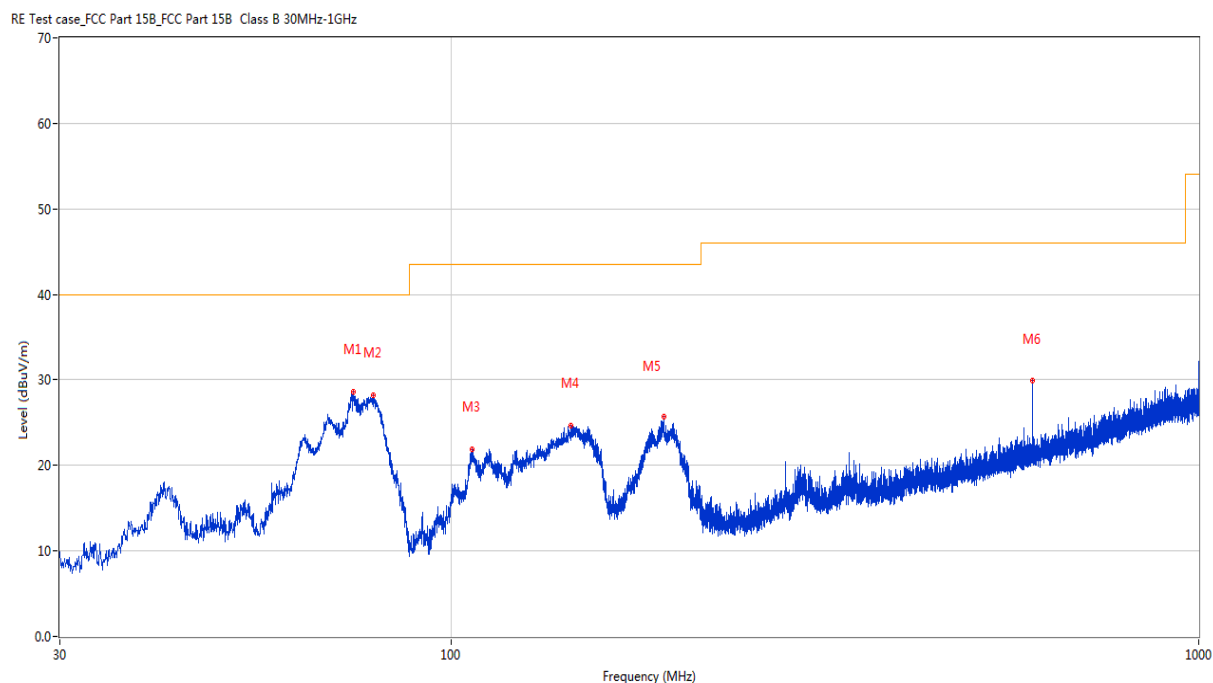
Note ²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

Test Data and Plots

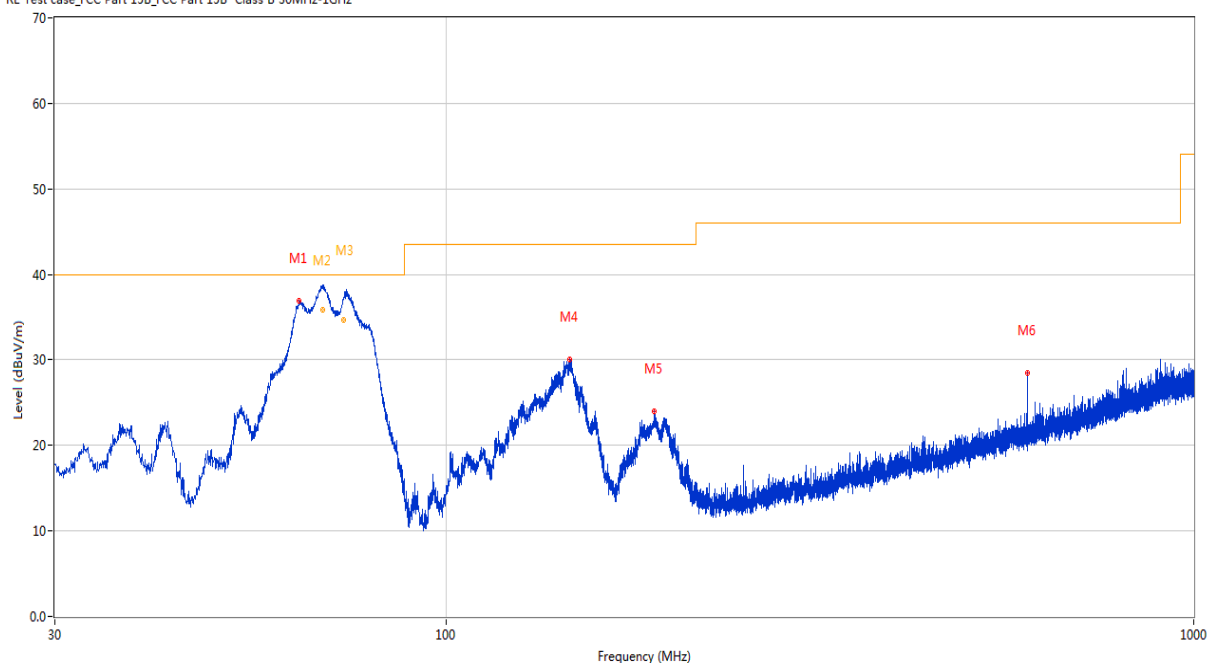
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	74.135	28.61	-28.52	40.0	11.39	Peak	215.50	200	Horizontal	Pass
2	78.840	28.15	-28.38	40.0	11.85	Peak	221.90	200	Horizontal	Pass
3	106.630	21.89	-24.12	43.5	21.61	Peak	232.40	200	Horizontal	Pass
4	144.800	24.63	-27.55	43.5	18.87	Peak	289.40	100	Horizontal	Pass
5	192.475	25.65	-25.04	43.5	17.85	Peak	84.50	100	Horizontal	Pass
6	600.020	29.88	-14.57	46.0	16.12	Peak	287.30	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.611	36.89	-24.87	40.0	3.11	Peak	199.90	100	Vertical	Pass
2	68.512	37.95	-26.25	40.0	2.05	Peak	222.60	108	Vertical	N/A
2*	68.512	35.86	-26.25	40.0	4.14	QP	222.60	108	Vertical	Pass
3	73.070	36.87	-28.49	40.0	3.13	Peak	125.20	192	Vertical	N/A
3*	73.070	34.66	-28.49	40.0	5.34	QP	125.20	192	Vertical	Pass
4	146.254	30.03	-27.61	43.5	13.47	Peak	314.90	100	Vertical	Pass
5	189.904	23.95	-25.24	43.5	19.55	Peak	123.90	100	Vertical	Pass
6	600.020	28.53	-14.57	46.0	17.47	Peak	168.50	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1317.600	39.55	-16.99	74.0	34.45	Peak	176.00	400	Horizontal	Pass
1**	1317.600	30.04	-16.99	54.0	23.96	AV	176.00	400	Horizontal	Pass
2	2413.800	104.90	-11.56	74.0	-30.90	Peak	276.00	150	Horizontal	N/A
2**	2413.800	101.92	-11.56	54.0	-47.92	AV	276.00	150	Horizontal	N/A
3	4766.800	50.78	-2.08	74.0	23.22	Peak	82.00	100	Horizontal	Pass
3**	4766.800	41.90	-2.08	54.0	12.10	AV	82.00	100	Horizontal	Pass
4	6606.800	55.00	1.89	74.0	19.00	Peak	322.00	100	Horizontal	Pass
4**	6606.800	45.87	1.89	54.0	8.13	AV	322.00	100	Horizontal	Pass
5	10329.250	51.41	-0.00	74.0	22.59	Peak	0.00	200	Horizontal	Pass
5**	10329.250	42.80	-0.00	54.0	11.20	AV	0.00	200	Horizontal	Pass
6	17195.438	51.08	2.16	74.0	22.92	Peak	278.00	300	Horizontal	Pass
6**	17195.438	44.08	2.16	54.0	9.92	AV	278.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.300	39.95	-17.28	74.0	34.05	Peak	209.00	200	Vertical	Pass
1**	1399.300	29.62	-17.28	54.0	24.38	AV	209.00	200	Vertical	Pass
2	2413.400	94.23	-11.64	74.0	-20.23	Peak	290.00	200	Vertical	N/A
2**	2413.400	91.33	-11.64	54.0	-37.33	AV	290.00	200	Vertical	N/A
3	4922.400	51.08	-2.43	74.0	22.92	Peak	295.00	200	Vertical	Pass
3**	4922.400	40.82	-2.43	54.0	13.18	AV	295.00	200	Vertical	Pass
4	6741.400	54.96	2.24	74.0	19.04	Peak	156.00	400	Vertical	Pass
4**	6741.400	45.23	2.24	54.0	8.77	AV	156.00	400	Vertical	Pass
5	10341.900	51.61	0.07	74.0	22.39	Peak	183.00	100	Vertical	Pass
5**	10341.900	42.22	0.07	54.0	11.78	AV	183.00	100	Vertical	Pass
6	17211.187	50.90	1.47	74.0	23.10	Peak	360.00	100	Vertical	Pass
6**	17211.187	42.60	1.47	54.0	11.40	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.000	40.20	-17.38	74.0	33.80	Peak	217.00	200	Horizontal	Pass
1**	1561.000	28.98	-17.38	54.0	25.02	AV	217.00	200	Horizontal	Pass
2	2438.400	104.06	-12.29	74.0	-30.06	Peak	285.00	200	Horizontal	N/A
2**	2438.400	100.93	-12.29	54.0	-46.93	AV	285.00	200	Horizontal	N/A
3	4771.200	51.41	-1.87	74.0	22.59	Peak	146.00	200	Horizontal	Pass
3**	4771.200	41.55	-1.87	54.0	12.45	AV	146.00	200	Horizontal	Pass
4	6448.600	54.89	2.05	74.0	19.11	Peak	80.00	300	Horizontal	Pass
4**	6448.600	45.12	2.05	54.0	8.88	AV	80.00	300	Horizontal	Pass
5	11217.912	51.23	-0.20	74.0	22.77	Peak	0.00	200	Horizontal	Pass
5**	11217.912	42.53	-0.20	54.0	11.47	AV	0.00	200	Horizontal	Pass
6	17190.449	51.25	2.32	74.0	22.75	Peak	280.00	100	Horizontal	Pass
6**	17190.449	43.37	2.32	54.0	10.63	AV	280.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.500	39.67	-17.17	74.0	34.33	Peak	265.00	400	Vertical	Pass
1**	1550.500	30.15	-17.17	54.0	23.85	AV	265.00	400	Vertical	Pass
2	2438.300	95.16	-12.30	74.0	-21.16	Peak	147.00	100	Vertical	N/A
2**	2438.300	92.22	-12.30	54.0	-38.22	AV	147.00	100	Vertical	N/A
3	4946.200	50.76	-2.69	74.0	23.24	Peak	102.00	100	Vertical	Pass
3**	4946.200	41.34	-2.69	54.0	12.66	AV	102.00	100	Vertical	Pass
4	6270.600	54.51	0.78	74.0	19.49	Peak	38.00	300	Vertical	Pass
4**	6270.600	45.41	0.78	54.0	8.59	AV	38.00	300	Vertical	Pass
5	10187.513	51.83	0.22	74.0	22.17	Peak	236.00	300	Vertical	Pass
5**	10187.513	42.99	0.22	54.0	11.01	AV	236.00	300	Vertical	Pass
6	17192.286	51.56	2.27	74.0	22.44	Peak	15.00	300	Vertical	Pass
6**	17192.286	43.95	2.27	54.0	10.05	AV	15.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.200	39.88	-17.90	74.0	34.12	Peak	37.00	100	Horizontal	Pass
1**	1000.200	35.11	-17.90	54.0	18.89	AV	37.00	100	Horizontal	Pass
2	2463.500	103.68	-12.51	74.0	-29.68	Peak	278.00	200	Horizontal	N/A
2**	2463.500	100.57	-12.51	54.0	-46.57	AV	278.00	200	Horizontal	N/A
3	4923.800	51.99	-2.48	74.0	22.01	Peak	306.00	100	Horizontal	Pass
3**	4923.800	44.37	-2.48	54.0	9.63	AV	306.00	100	Horizontal	Pass
4	6268.400	54.59	0.85	74.0	19.41	Peak	54.00	400	Horizontal	Pass
4**	6268.400	44.48	0.85	54.0	9.52	AV	54.00	400	Horizontal	Pass
5	10924.375	52.00	0.17	74.0	22.00	Peak	212.00	300	Horizontal	Pass
5**	10924.375	42.44	0.17	54.0	11.56	AV	212.00	300	Horizontal	Pass
6	17193.863	51.24	2.22	74.0	22.76	Peak	214.00	200	Horizontal	Pass
6**	17193.863	43.79	2.22	54.0	10.21	AV	214.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.700	39.14	-17.15	74.0	34.86	Peak	148.00	300	Vertical	Pass
1**	1493.700	30.12	-17.15	54.0	23.88	AV	148.00	300	Vertical	Pass
2	2463.100	93.04	-12.48	74.0	-19.04	Peak	286.00	200	Vertical	N/A
2**	2463.100	90.12	-12.48	54.0	-36.12	AV	286.00	200	Vertical	N/A
3	4807.600	51.37	-2.11	74.0	22.63	Peak	332.00	200	Vertical	Pass
3**	4807.600	43.01	-2.11	54.0	10.99	AV	332.00	200	Vertical	Pass
4	6659.200	54.70	0.86	74.0	19.30	Peak	332.00	300	Vertical	Pass
4**	6659.200	45.76	0.86	54.0	8.24	AV	332.00	300	Vertical	Pass
5	10144.963	51.43	0.04	74.0	22.57	Peak	0.00	200	Vertical	Pass
5**	10144.963	42.38	0.04	54.0	11.62	AV	0.00	200	Vertical	Pass
6	17189.401	51.90	2.36	74.0	22.10	Peak	150.00	300	Vertical	Pass
6**	17189.401	43.76	2.36	54.0	10.24	AV	150.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1425.200	39.05	-16.97	74.0	34.95	Peak	123.00	300	Horizontal	Pass
1**	1425.200	29.22	-16.97	54.0	24.78	AV	123.00	300	Horizontal	Pass
2	2415.800	107.54	-11.64	74.0	-33.54	Peak	277.00	200	Horizontal	N/A
2**	2415.800	99.83	-11.64	54.0	-45.83	AV	277.00	200	Horizontal	N/A
3	4913.600	51.50	-2.23	74.0	22.50	Peak	38.00	100	Horizontal	Pass
3**	4913.600	42.75	-2.23	54.0	11.25	AV	38.00	100	Horizontal	Pass
4	6690.800	54.29	0.31	74.0	19.71	Peak	192.00	100	Horizontal	Pass
4**	6690.800	44.96	0.31	54.0	9.04	AV	192.00	100	Horizontal	Pass
5	10336.437	51.62	0.07	74.0	22.38	Peak	48.00	200	Horizontal	Pass
5**	10336.437	42.19	0.07	54.0	11.81	AV	48.00	200	Horizontal	Pass
6	13316.737	51.26	0.89	74.0	22.74	Peak	39.00	400	Horizontal	Pass
6**	13316.737	42.26	0.89	54.0	11.74	AV	39.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.100	39.76	-17.01	74.0	34.24	Peak	131.00	200	Vertical	Pass
1**	1526.100	30.53	-17.01	54.0	23.47	AV	131.00	200	Vertical	Pass
2	2413.800	95.63	-11.56	74.0	-21.63	Peak	284.00	200	Vertical	N/A
2**	2413.800	88.03	-11.56	54.0	-34.03	AV	284.00	200	Vertical	N/A
3	4761.600	50.98	-2.63	74.0	23.02	Peak	258.00	150	Vertical	Pass
3**	4761.600	41.08	-2.63	54.0	12.92	AV	258.00	150	Vertical	Pass
4	6611.800	55.12	2.14	74.0	18.88	Peak	122.00	200	Vertical	Pass
4**	6611.800	45.66	2.14	54.0	8.34	AV	122.00	200	Vertical	Pass
5	10339.025	51.47	0.08	74.0	22.53	Peak	45.00	200	Vertical	Pass
5**	10339.025	42.64	0.08	54.0	11.36	AV	45.00	200	Vertical	Pass
6	13296.263	50.99	0.84	74.0	23.01	Peak	204.00	300	Vertical	Pass
6**	13296.263	41.68	0.84	54.0	12.32	AV	204.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1410.800	39.64	-17.06	74.0	34.36	Peak	38.00	400	Horizontal	Pass
1**	1410.800	30.06	-17.06	54.0	23.94	AV	38.00	400	Horizontal	Pass
2	2438.100	106.27	-12.30	74.0	-32.27	Peak	277.00	100	Horizontal	N/A
2**	2438.100	99.74	-12.30	54.0	-45.74	AV	277.00	100	Horizontal	N/A
3	4794.600	51.14	-1.79	74.0	22.86	Peak	273.00	100	Horizontal	Pass
3**	4794.600	42.01	-1.79	54.0	11.99	AV	273.00	100	Horizontal	Pass
4	6181.000	54.67	0.65	74.0	19.33	Peak	122.00	200	Horizontal	Pass
4**	6181.000	44.51	0.65	54.0	9.49	AV	122.00	200	Horizontal	Pass
5	12225.313	51.52	1.31	74.0	22.48	Peak	191.00	200	Horizontal	Pass
5**	12225.313	41.93	1.31	54.0	12.07	AV	191.00	200	Horizontal	Pass
6	17200.687	51.23	1.86	74.0	22.77	Peak	278.00	400	Horizontal	Pass
6**	17200.687	42.92	1.86	54.0	11.08	AV	278.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.200	39.63	-16.96	74.0	34.37	Peak	215.00	200	Vertical	Pass
1**	1547.200	30.02	-16.96	54.0	23.98	AV	215.00	200	Vertical	Pass
2	2433.300	95.26	-12.50	74.0	-21.26	Peak	264.00	200	Vertical	N/A
2**	2433.300	88.04	-12.50	54.0	-34.04	AV	264.00	200	Vertical	N/A
3	4765.200	51.46	-2.19	74.0	22.54	Peak	8.00	100	Vertical	Pass
3**	4765.200	41.60	-2.19	54.0	12.40	AV	8.00	100	Vertical	Pass
4	6739.000	55.43	2.20	74.0	18.57	Peak	360.00	400	Vertical	Pass
4**	6739.000	45.41	2.20	54.0	8.59	AV	360.00	400	Vertical	Pass
5	9960.963	51.22	-0.54	74.0	22.78	Peak	360.00	300	Vertical	Pass
5**	9960.963	42.87	-0.54	54.0	11.13	AV	360.00	300	Vertical	Pass
6	17187.301	51.14	2.44	74.0	22.86	Peak	268.00	400	Vertical	Pass
6**	17187.301	43.91	2.44	54.0	10.09	AV	268.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.500	39.41	-17.06	74.0	34.59	Peak	35.00	300	Horizontal	Pass
1**	1333.500	29.51	-17.06	54.0	24.49	AV	35.00	300	Horizontal	Pass
2	2459.800	106.16	-12.83	74.0	-32.16	Peak	277.00	150	Horizontal	N/A
2**	2459.800	98.22	-12.83	54.0	-44.22	AV	277.00	150	Horizontal	N/A
3	4788.000	51.61	-1.65	74.0	22.39	Peak	122.00	100	Horizontal	Pass
3**	4788.000	41.79	-1.65	54.0	12.21	AV	122.00	100	Horizontal	Pass
4	6289.800	54.95	1.32	74.0	19.05	Peak	44.00	100	Horizontal	Pass
4**	6289.800	44.89	1.32	54.0	9.11	AV	44.00	100	Horizontal	Pass
5	11198.650	51.25	-0.30	74.0	22.75	Peak	0.00	400	Horizontal	Pass
5**	11198.650	41.74	-0.30	54.0	12.26	AV	0.00	400	Horizontal	Pass
6	17194.650	51.33	2.20	74.0	22.67	Peak	187.00	300	Horizontal	Pass
6**	17194.650	43.84	2.20	54.0	10.16	AV	187.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.800	39.33	-17.27	74.0	34.67	Peak	255.00	200	Vertical	Pass
1**	1283.800	29.69	-17.27	54.0	24.31	AV	255.00	200	Vertical	Pass
2	2460.000	94.65	-12.83	74.0	-20.65	Peak	288.00	100	Vertical	N/A
2**	2460.000	87.24	-12.83	54.0	-33.24	AV	288.00	100	Vertical	N/A
3	4922.800	51.58	-2.44	74.0	22.42	Peak	351.00	200	Vertical	Pass
3**	4922.800	41.99	-2.44	54.0	12.01	AV	351.00	200	Vertical	Pass
4	6741.800	54.78	2.23	74.0	19.22	Peak	202.00	200	Vertical	Pass
4**	6741.800	46.02	2.23	54.0	7.98	AV	202.00	200	Vertical	Pass
5	10316.026	51.98	-0.26	74.0	22.02	Peak	325.00	400	Vertical	Pass
5**	10316.026	41.37	-0.26	54.0	12.63	AV	325.00	400	Vertical	Pass
6	17201.476	51.79	1.82	74.0	22.21	Peak	307.00	300	Vertical	Pass
6**	17201.476	43.23	1.82	54.0	10.77	AV	307.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.800	39.44	-17.42	74.0	34.56	Peak	360.00	100	Horizontal	Pass
1**	1471.800	29.54	-17.42	54.0	24.46	AV	360.00	100	Horizontal	Pass
2	2413.800	107.31	-11.56	74.0	-33.31	Peak	290.00	100	Horizontal	N/A
2**	2413.800	100.31	-11.56	54.0	-46.31	AV	290.00	100	Horizontal	N/A
3	4977.000	50.81	-1.57	74.0	23.19	Peak	255.00	200	Horizontal	Pass
3**	4977.000	42.51	-1.57	54.0	11.49	AV	255.00	200	Horizontal	Pass
4	6605.000	54.61	1.88	74.0	19.39	Peak	169.00	100	Horizontal	Pass
4**	6605.000	46.81	1.88	54.0	7.19	AV	169.00	100	Horizontal	Pass
5	12211.800	51.79	1.08	74.0	22.21	Peak	0.00	200	Horizontal	Pass
5**	12211.800	42.47	1.08	54.0	11.53	AV	0.00	200	Horizontal	Pass
6	15839.625	50.78	1.45	74.0	23.22	Peak	360.00	400	Horizontal	Pass
6**	15839.625	42.87	1.45	54.0	11.13	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.200	39.04	-17.25	74.0	34.96	Peak	87.00	300	Vertical	Pass
1**	1502.200	29.59	-17.25	54.0	24.41	AV	87.00	300	Vertical	Pass
2	2413.700	96.07	-11.58	74.0	-22.07	Peak	287.00	100	Vertical	N/A
2**	2413.700	88.37	-11.58	54.0	-34.37	AV	287.00	100	Vertical	N/A
3	4898.800	51.24	-2.32	74.0	22.76	Peak	163.00	200	Vertical	Pass
3**	4898.800	42.01	-2.32	54.0	11.99	AV	163.00	200	Vertical	Pass
4	6604.200	54.60	1.80	74.0	19.40	Peak	360.00	200	Vertical	Pass
4**	6604.200	46.82	1.80	54.0	7.18	AV	360.00	200	Vertical	Pass
5	10943.638	51.42	-0.11	74.0	22.58	Peak	147.00	400	Vertical	Pass
5**	10943.638	42.74	-0.11	54.0	11.26	AV	147.00	400	Vertical	Pass
6	17192.550	51.41	2.26	74.0	22.59	Peak	171.00	100	Vertical	Pass
6**	17192.550	43.71	2.26	54.0	10.29	AV	171.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1429.200	39.25	-17.04	74.0	34.75	Peak	80.00	100	Horizontal	Pass
1**	1429.200	29.74	-17.04	54.0	24.26	AV	80.00	100	Horizontal	Pass
2	2435.600	106.34	-12.46	74.0	-32.34	Peak	276.00	150	Horizontal	N/A
2**	2435.600	99.70	-12.46	54.0	-45.70	AV	276.00	150	Horizontal	N/A
3	4356.200	49.53	-2.42	74.0	24.47	Peak	290.00	100	Horizontal	Pass
3**	4356.200	40.57	-2.42	54.0	13.43	AV	290.00	100	Horizontal	Pass
4	6598.800	55.00	0.80	74.0	19.00	Peak	290.00	300	Horizontal	Pass
4**	6598.800	45.81	0.80	54.0	8.19	AV	290.00	300	Horizontal	Pass
5	10186.937	51.76	0.20	74.0	22.24	Peak	360.00	100	Horizontal	Pass
5**	10186.937	42.95	0.20	54.0	11.05	AV	360.00	100	Horizontal	Pass
6	13317.000	51.05	0.89	74.0	22.95	Peak	102.00	300	Horizontal	Pass
6**	13317.000	42.56	0.89	54.0	11.44	AV	102.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1315.700	39.13	-17.09	74.0	34.87	Peak	349.00	200	Vertical	Pass
1**	1315.700	30.20	-17.09	54.0	23.80	AV	349.00	200	Vertical	Pass
2	2439.800	96.23	-12.27	74.0	-22.23	Peak	146.00	150	Vertical	N/A
2**	2439.800	88.76	-12.27	54.0	-34.76	AV	146.00	150	Vertical	N/A
3	4877.600	51.66	-2.70	74.0	22.34	Peak	102.00	200	Vertical	Pass
3**	4877.600	41.27	-2.70	54.0	12.73	AV	102.00	200	Vertical	Pass
4	6552.800	54.45	0.63	74.0	19.55	Peak	285.00	100	Vertical	Pass
4**	6552.800	44.32	0.63	54.0	9.68	AV	285.00	100	Vertical	Pass
5	10564.425	51.35	-0.81	74.0	22.65	Peak	168.00	100	Vertical	Pass
5**	10564.425	41.38	-0.81	54.0	12.62	AV	168.00	100	Vertical	Pass
6	17198.588	51.09	1.98	74.0	22.91	Peak	88.00	300	Vertical	Pass
6**	17198.588	43.56	1.98	54.0	10.44	AV	88.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.300	39.40	-16.99	74.0	34.60	Peak	273.00	100	Horizontal	Pass
1**	1546.300	29.67	-16.99	54.0	24.33	AV	273.00	100	Horizontal	Pass
2	2459.400	105.85	-12.82	74.0	-31.85	Peak	279.00	200	Horizontal	N/A
2**	2459.400	97.26	-12.82	54.0	-43.26	AV	279.00	200	Horizontal	N/A
3	5195.800	53.59	-2.28	74.0	20.41	Peak	208.00	100	Horizontal	Pass
3**	5195.800	45.60	-2.28	54.0	8.40	AV	208.00	100	Horizontal	Pass
4	6271.400	54.61	0.77	74.0	19.39	Peak	358.00	200	Horizontal	Pass
4**	6271.400	45.60	0.77	54.0	8.40	AV	358.00	200	Horizontal	Pass
5	11611.213	51.08	-0.07	74.0	22.92	Peak	233.00	100	Horizontal	Pass
5**	11611.213	41.39	-0.07	54.0	12.61	AV	233.00	100	Horizontal	Pass
6	17184.150	51.08	2.55	74.0	22.92	Peak	274.00	100	Horizontal	Pass
6**	17184.150	42.26	2.55	54.0	11.74	AV	274.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.400	39.31	-17.44	74.0	34.69	Peak	328.00	100	Vertical	Pass
1**	1477.400	29.16	-17.44	54.0	24.84	AV	328.00	100	Vertical	Pass
2	2458.000	94.04	-12.88	74.0	-20.04	Peak	335.00	150	Vertical	N/A
2**	2458.000	86.62	-12.88	54.0	-32.62	AV	335.00	150	Vertical	N/A
3	4899.400	51.70	-2.30	74.0	22.30	Peak	67.00	100	Vertical	Pass
3**	4899.400	41.46	-2.30	54.0	12.54	AV	67.00	100	Vertical	Pass
4	6521.400	55.50	0.98	74.0	18.50	Peak	106.00	300	Vertical	Pass
4**	6521.400	44.76	0.98	54.0	9.24	AV	106.00	300	Vertical	Pass
5	10336.151	51.37	0.07	74.0	22.63	Peak	144.00	400	Vertical	Pass
5**	10336.151	42.72	0.07	54.0	11.28	AV	144.00	400	Vertical	Pass
6	17198.850	51.01	1.96	74.0	22.99	Peak	332.00	300	Vertical	Pass
6**	17198.850	43.49	1.96	54.0	10.51	AV	332.00	300	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1424.600	40.15	-17.03	74.0	33.85	Peak	236.00	400	Horizontal	Pass
1**	1424.600	30.27	-17.03	54.0	23.73	AV	236.00	400	Horizontal	Pass
2	2413.500	102.92	-11.62	74.0	-28.92	Peak	43.00	200	Horizontal	N/A
2**	2413.500	100.03	-11.62	54.0	-46.03	AV	43.00	200	Horizontal	N/A
3	4824.000	51.99	-2.96	74.0	22.01	Peak	69.00	200	Horizontal	Pass
3**	4824.000	47.18	-2.96	54.0	6.82	AV	69.00	200	Horizontal	Pass
4	6607.200	54.60	1.90	74.0	19.40	Peak	101.00	200	Horizontal	Pass
4**	6607.200	45.82	1.90	54.0	8.18	AV	101.00	200	Horizontal	Pass
5	10533.088	51.58	-0.69	74.0	22.42	Peak	284.00	400	Horizontal	Pass
5**	10533.088	41.90	-0.69	54.0	12.10	AV	284.00	400	Horizontal	Pass
6	17198.850	51.00	1.96	74.0	23.00	Peak	193.00	100	Horizontal	Pass
6**	17198.850	43.78	1.96	54.0	10.22	AV	193.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1313.000	39.39	-16.84	74.0	34.61	Peak	213.00	300	Vertical	Pass
1**	1313.000	30.59	-16.84	54.0	23.41	AV	213.00	300	Vertical	Pass
2	2413.500	96.51	-11.62	74.0	-22.51	Peak	26.00	200	Vertical	N/A
2**	2413.500	93.61	-11.62	54.0	-39.61	AV	26.00	200	Vertical	N/A
3	4879.400	51.46	-2.59	74.0	22.54	Peak	296.00	200	Vertical	Pass
3**	4879.400	41.27	-2.59	54.0	12.73	AV	296.00	200	Vertical	Pass
4	6976.400	54.51	1.72	74.0	19.49	Peak	318.00	300	Vertical	Pass
4**	6976.400	43.83	1.72	54.0	10.17	AV	318.00	300	Vertical	Pass
5	10198.438	51.19	0.47	74.0	22.81	Peak	153.00	400	Vertical	Pass
5**	10198.438	41.75	0.47	54.0	12.25	AV	153.00	400	Vertical	Pass
6	17193.863	51.47	2.22	74.0	22.53	Peak	78.00	400	Vertical	Pass
6**	17193.863	44.17	2.22	54.0	9.83	AV	78.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.200	39.22	-17.41	74.0	34.78	Peak	170.00	400	Horizontal	Pass
1**	1599.200	30.05	-17.41	54.0	23.95	AV	170.00	400	Horizontal	Pass
2	2438.500	103.24	-12.29	74.0	-29.24	Peak	63.00	200	Horizontal	N/A
2**	2438.500	100.31	-12.29	54.0	-46.31	AV	63.00	200	Horizontal	N/A
3	3888.400	47.49	-4.56	74.0	26.51	Peak	142.00	100	Horizontal	Pass
3**	3888.400	37.90	-4.56	54.0	16.10	AV	142.00	100	Horizontal	Pass
4	6600.200	54.07	1.04	74.0	19.93	Peak	80.00	100	Horizontal	Pass
4**	6600.200	45.46	1.04	54.0	8.54	AV	80.00	100	Horizontal	Pass
5	10180.037	51.49	0.03	74.0	22.51	Peak	3.00	300	Horizontal	Pass
5**	10180.037	42.19	0.03	54.0	11.81	AV	3.00	300	Horizontal	Pass
6	17194.650	51.99	2.20	74.0	22.01	Peak	109.00	200	Horizontal	Pass
6**	17194.650	44.64	2.20	54.0	9.36	AV	109.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.800	39.22	-17.09	74.0	34.78	Peak	351.00	100	Vertical	Pass
1**	1454.800	29.17	-17.09	54.0	24.83	AV	351.00	100	Vertical	Pass
2	2438.500	96.02	-12.29	74.0	-22.02	Peak	74.00	100	Vertical	N/A
2**	2438.500	93.17	-12.29	54.0	-39.17	AV	74.00	100	Vertical	N/A
3	4910.000	51.09	-2.38	74.0	22.91	Peak	6.00	150	Vertical	Pass
3**	4910.000	42.04	-2.38	54.0	11.96	AV	6.00	150	Vertical	Pass
4	6609.000	55.32	1.97	74.0	18.68	Peak	61.00	400	Vertical	Pass
4**	6609.000	45.88	1.97	54.0	8.12	AV	61.00	400	Vertical	Pass
5	10172.849	51.75	-0.18	74.0	22.25	Peak	1.00	400	Vertical	Pass
5**	10172.849	42.42	-0.18	54.0	11.58	AV	1.00	400	Vertical	Pass
6	15846.713	50.95	1.36	74.0	23.05	Peak	17.00	400	Vertical	Pass
6**	15846.713	42.26	1.36	54.0	11.74	AV	17.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.300	39.42	-17.13	74.0	34.58	Peak	213.00	400	Horizontal	Pass
1**	1555.300	29.72	-17.13	54.0	24.28	AV	213.00	400	Horizontal	Pass
2	2463.500	103.68	-12.51	74.0	-29.68	Peak	131.00	150	Horizontal	N/A
2**	2463.500	100.56	-12.51	54.0	-46.56	AV	131.00	150	Horizontal	N/A
3	4641.000	50.98	-2.80	74.0	23.02	Peak	360.00	100	Horizontal	Pass
3**	4641.000	41.03	-2.80	54.0	12.97	AV	360.00	100	Horizontal	Pass
4	6612.000	54.73	2.15	74.0	19.27	Peak	337.00	400	Horizontal	Pass
4**	6612.000	45.66	2.15	54.0	8.34	AV	337.00	400	Horizontal	Pass
5	11205.838	51.41	-0.26	74.0	22.59	Peak	283.00	200	Horizontal	Pass
5**	11205.838	42.18	-0.26	54.0	11.82	AV	283.00	200	Horizontal	Pass
6	17212.238	51.02	1.45	74.0	22.98	Peak	54.00	200	Horizontal	Pass
6**	17212.238	43.58	1.45	54.0	10.42	AV	54.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.400	39.70	-17.51	74.0	34.30	Peak	318.00	100	Vertical	Pass
1**	1529.400	29.22	-17.51	54.0	24.78	AV	318.00	100	Vertical	Pass
2	2460.500	97.04	-12.84	74.0	-23.04	Peak	30.00	100	Vertical	N/A
2**	2460.500	93.98	-12.84	54.0	-39.98	AV	30.00	100	Vertical	N/A
3	4279.600	49.05	-3.60	74.0	24.95	Peak	0.00	100	Vertical	Pass
3**	4279.600	39.58	-3.60	54.0	14.42	AV	0.00	100	Vertical	Pass
4	6606.800	54.70	1.89	74.0	19.30	Peak	7.00	400	Vertical	Pass
4**	6606.800	45.71	1.89	54.0	8.29	AV	7.00	400	Vertical	Pass
5	11213.600	51.40	-0.20	74.0	22.60	Peak	0.00	200	Vertical	Pass
5**	11213.600	42.03	-0.20	54.0	11.97	AV	0.00	200	Vertical	Pass
6	17199.636	52.49	1.91	74.0	21.51	Peak	353.00	100	Vertical	Pass
6**	17199.636	44.25	1.91	54.0	9.75	AV	353.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.200	39.13	-17.23	74.0	34.87	Peak	169.00	100	Horizontal	Pass
1**	1492.200	30.37	-17.23	54.0	23.63	AV	169.00	100	Horizontal	Pass
2	2415.100	104.11	-11.57	74.0	-30.11	Peak	60.00	100	Horizontal	N/A
2**	2415.100	97.23	-11.57	54.0	-43.23	AV	60.00	100	Horizontal	N/A
3	4815.800	51.02	-2.84	74.0	22.98	Peak	143.00	100	Horizontal	Pass
3**	4815.800	41.62	-2.84	54.0	12.38	AV	143.00	100	Horizontal	Pass
4	6406.000	54.41	0.89	74.0	19.59	Peak	143.00	200	Horizontal	Pass
4**	6406.000	44.65	0.89	54.0	9.35	AV	143.00	200	Horizontal	Pass
5	12213.812	51.56	1.15	74.0	22.44	Peak	117.00	100	Horizontal	Pass
5**	12213.812	42.08	1.15	54.0	11.92	AV	117.00	100	Horizontal	Pass
6	17192.550	51.06	2.26	74.0	22.94	Peak	360.00	100	Horizontal	Pass
6**	17192.550	43.63	2.26	54.0	10.37	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.600	39.77	-17.17	74.0	34.23	Peak	20.00	400	Vertical	Pass
1**	1586.600	30.05	-17.17	54.0	23.95	AV	20.00	400	Vertical	Pass
2	2413.100	96.35	-11.70	74.0	-22.35	Peak	26.00	200	Vertical	N/A
2**	2413.100	88.32	-11.70	54.0	-34.32	AV	26.00	200	Vertical	N/A
3	4916.400	51.81	-2.26	74.0	22.19	Peak	28.00	100	Vertical	Pass
3**	4916.400	41.93	-2.26	54.0	12.07	AV	28.00	100	Vertical	Pass
4	6959.200	55.06	1.42	74.0	18.94	Peak	61.00	300	Vertical	Pass
4**	6959.200	45.71	1.42	54.0	8.29	AV	61.00	300	Vertical	Pass
5	10942.775	51.85	-0.10	74.0	22.15	Peak	233.00	400	Vertical	Pass
5**	10942.775	42.71	-0.10	54.0	11.29	AV	233.00	400	Vertical	Pass
6	17192.286	51.18	2.27	74.0	22.82	Peak	0.00	400	Vertical	Pass
6**	17192.286	44.04	2.27	54.0	9.96	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1429.300	39.38	-17.06	74.0	34.62	Peak	232.00	400	Horizontal	Pass
1**	1429.300	29.64	-17.06	54.0	24.36	AV	232.00	400	Horizontal	Pass
2	2438.800	105.46	-12.29	74.0	-31.46	Peak	53.00	150	Horizontal	N/A
2**	2438.800	97.91	-12.29	54.0	-43.91	AV	53.00	150	Horizontal	N/A
3	4376.000	50.08	-2.95	74.0	23.92	Peak	0.00	100	Horizontal	Pass
3**	4376.000	41.05	-2.95	54.0	12.95	AV	0.00	100	Horizontal	Pass
4	6606.200	54.53	1.88	74.0	19.47	Peak	0.00	400	Horizontal	Pass
4**	6606.200	46.03	1.88	54.0	7.97	AV	0.00	400	Horizontal	Pass
5	12690.775	51.22	0.84	74.0	22.78	Peak	360.00	300	Horizontal	Pass
5**	12690.775	41.83	0.84	54.0	12.17	AV	360.00	300	Horizontal	Pass
6	17192.813	51.20	2.25	74.0	22.80	Peak	0.00	300	Horizontal	Pass
6**	17192.813	43.44	2.25	54.0	10.56	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.800	39.65	-17.09	74.0	34.35	Peak	270.00	400	Vertical	Pass
1**	1454.800	29.40	-17.09	54.0	24.60	AV	270.00	400	Vertical	Pass
2	2441.300	98.84	-12.18	74.0	-24.84	Peak	317.00	150	Vertical	N/A
2**	2441.300	90.98	-12.18	54.0	-36.98	AV	317.00	150	Vertical	N/A
3	4781.600	50.62	-1.65	74.0	23.38	Peak	16.00	100	Vertical	Pass
3**	4781.600	41.85	-1.65	54.0	12.15	AV	16.00	100	Vertical	Pass
4	6465.800	55.07	1.06	74.0	18.93	Peak	6.00	300	Vertical	Pass
4**	6465.800	44.73	1.06	54.0	9.27	AV	6.00	300	Vertical	Pass
5	10914.025	51.45	0.19	74.0	22.55	Peak	218.00	300	Vertical	Pass
5**	10914.025	41.85	0.19	54.0	12.15	AV	218.00	300	Vertical	Pass
6	17206.198	50.93	1.60	74.0	23.07	Peak	202.00	400	Vertical	Pass
6**	17206.198	43.06	1.60	54.0	10.94	AV	202.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1434.000	39.58	-16.99	74.0	34.42	Peak	304.00	300	Horizontal	Pass
1**	1434.000	29.59	-16.99	54.0	24.41	AV	304.00	300	Horizontal	Pass
2	2465.500	106.43	-12.58	74.0	-32.43	Peak	132.00	150	Horizontal	N/A
2**	2465.500	98.04	-12.58	54.0	-44.04	AV	132.00	150	Horizontal	N/A
3	4621.400	50.82	-3.71	74.0	23.18	Peak	69.00	100	Horizontal	Pass
3**	4621.400	40.48	-3.71	54.0	13.52	AV	69.00	100	Horizontal	Pass
4	6272.200	55.60	0.79	74.0	18.40	Peak	275.00	200	Horizontal	Pass
4**	6272.200	44.59	0.79	54.0	9.41	AV	275.00	200	Horizontal	Pass
5	10242.425	51.21	0.47	74.0	22.79	Peak	17.00	400	Horizontal	Pass
5**	10242.425	42.27	0.47	54.0	11.73	AV	17.00	400	Horizontal	Pass
6	17001.975	51.45	1.77	74.0	22.55	Peak	316.00	100	Horizontal	Pass
6**	17001.975	43.36	1.77	54.0	10.64	AV	316.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.400	39.51	-17.21	74.0	34.49	Peak	0.00	200	Vertical	Pass
1**	1466.400	29.84	-17.21	54.0	24.16	AV	0.00	200	Vertical	Pass
2	2462.900	98.47	-12.51	74.0	-24.47	Peak	80.00	200	Vertical	N/A
2**	2462.900	90.65	-12.51	54.0	-36.65	AV	80.00	200	Vertical	N/A
3	4768.400	50.80	-2.27	74.0	23.20	Peak	343.00	100	Vertical	Pass
3**	4768.400	41.90	-2.27	54.0	12.10	AV	343.00	100	Vertical	Pass
4	6604.600	54.80	1.88	74.0	19.20	Peak	343.00	100	Vertical	Pass
4**	6604.600	45.48	1.88	54.0	8.52	AV	343.00	100	Vertical	Pass
5	10233.224	51.84	0.34	74.0	22.16	Peak	333.00	400	Vertical	Pass
5**	10233.224	41.13	0.34	54.0	12.87	AV	333.00	400	Vertical	Pass
6	17204.888	50.93	1.65	74.0	23.07	Peak	266.00	100	Vertical	Pass
6**	17204.888	43.63	1.65	54.0	10.37	AV	266.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.300	39.16	-17.37	74.0	34.84	Peak	88.00	300	Horizontal	Pass
1**	1524.300	29.45	-17.37	54.0	24.55	AV	88.00	300	Horizontal	Pass
2	2415.500	103.79	-11.61	74.0	-29.79	Peak	40.00	200	Horizontal	N/A
2**	2415.500	96.34	-11.61	54.0	-42.34	AV	40.00	200	Horizontal	N/A
3	4903.600	52.22	-2.10	74.0	21.78	Peak	135.00	100	Horizontal	Pass
3**	4903.600	42.70	-2.10	54.0	11.30	AV	135.00	100	Horizontal	Pass
4	6606.400	54.86	1.88	74.0	19.14	Peak	219.00	400	Horizontal	Pass
4**	6606.400	45.95	1.88	54.0	8.05	AV	219.00	400	Horizontal	Pass
5	12709.175	52.16	0.96	74.0	21.84	Peak	19.00	100	Horizontal	Pass
5**	12709.175	41.53	0.96	54.0	12.47	AV	19.00	100	Horizontal	Pass
6	17183.887	50.59	2.56	74.0	23.41	Peak	260.00	200	Horizontal	Pass
6**	17183.887	43.36	2.56	54.0	10.64	AV	260.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1410.900	39.33	-17.04	74.0	34.67	Peak	25.00	300	Vertical	Pass
1**	1410.900	30.27	-17.04	54.0	23.73	AV	25.00	300	Vertical	Pass
2	2415.200	97.76	-11.58	74.0	-23.76	Peak	18.00	100	Vertical	N/A
2**	2415.200	90.30	-11.58	54.0	-36.30	AV	18.00	100	Vertical	N/A
3	4938.400	50.64	-2.60	74.0	23.36	Peak	191.00	100	Vertical	Pass
3**	4938.400	41.81	-2.60	54.0	12.19	AV	191.00	100	Vertical	Pass
4	6613.600	54.73	2.12	74.0	19.27	Peak	358.00	100	Vertical	Pass
4**	6613.600	45.71	2.12	54.0	8.29	AV	358.00	100	Vertical	Pass
5	9745.912	51.45	-0.51	74.0	22.55	Peak	299.00	200	Vertical	Pass
5**	9745.912	41.69	-0.51	54.0	12.31	AV	299.00	200	Vertical	Pass
6	17186.775	51.36	2.46	74.0	22.64	Peak	335.00	400	Vertical	Pass
6**	17186.775	42.54	2.46	54.0	11.46	AV	335.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1455.700	39.58	-16.99	74.0	34.42	Peak	291.00	200	Horizontal	Pass
1**	1455.700	30.57	-16.99	54.0	23.43	AV	291.00	200	Horizontal	Pass
2	2438.400	105.36	-12.29	74.0	-31.36	Peak	47.00	100	Horizontal	N/A
2**	2438.400	97.95	-12.29	54.0	-43.95	AV	47.00	100	Horizontal	N/A
3	4637.600	50.59	-3.08	74.0	23.41	Peak	96.00	100	Horizontal	Pass
3**	4637.600	40.36	-3.08	54.0	13.64	AV	96.00	100	Horizontal	Pass
4	6603.600	54.67	1.67	74.0	19.33	Peak	327.00	300	Horizontal	Pass
4**	6603.600	46.56	1.67	54.0	7.44	AV	327.00	300	Horizontal	Pass
5	10193.549	51.66	0.38	74.0	22.34	Peak	297.00	200	Horizontal	Pass
5**	10193.549	42.46	0.38	54.0	11.54	AV	297.00	200	Horizontal	Pass
6	17188.088	51.70	2.41	74.0	22.30	Peak	345.00	100	Horizontal	Pass
6**	17188.088	43.38	2.41	54.0	10.62	AV	345.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1365.400	39.55	-17.32	74.0	34.45	Peak	273.00	300	Vertical	Pass
1**	1365.400	29.83	-17.32	54.0	24.17	AV	273.00	300	Vertical	Pass
2	2438.900	98.54	-12.29	74.0	-24.54	Peak	26.00	100	Vertical	N/A
2**	2438.900	90.42	-12.29	54.0	-36.42	AV	26.00	100	Vertical	N/A
3	4744.600	50.55	-3.20	74.0	23.45	Peak	71.00	100	Vertical	Pass
3**	4744.600	41.36	-3.20	54.0	12.64	AV	71.00	100	Vertical	Pass
4	6598.400	54.70	0.73	74.0	19.30	Peak	288.00	400	Vertical	Pass
4**	6598.400	46.54	0.73	54.0	7.46	AV	288.00	400	Vertical	Pass
5	10144.099	51.53	0.04	74.0	22.47	Peak	114.00	300	Vertical	Pass
5**	10144.099	42.14	0.04	54.0	11.86	AV	114.00	300	Vertical	Pass
6	17204.625	51.50	1.66	74.0	22.50	Peak	341.00	400	Vertical	Pass
6**	17204.625	44.51	1.66	54.0	9.49	AV	341.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1303.000	39.03	-16.83	74.0	34.97	Peak	286.00	400	Horizontal	Pass
1**	1303.000	29.66	-16.83	54.0	24.34	AV	286.00	400	Horizontal	Pass
2	2465.800	106.32	-12.54	74.0	-32.32	Peak	133.00	150	Horizontal	N/A
2**	2465.800	98.08	-12.54	54.0	-44.08	AV	133.00	150	Horizontal	N/A
3	5125.000	51.99	-1.62	74.0	22.01	Peak	174.00	100	Horizontal	Pass
3**	5125.000	42.34	-1.62	54.0	11.66	AV	174.00	100	Horizontal	Pass
4	6609.000	54.63	1.97	74.0	19.37	Peak	196.00	200	Horizontal	Pass
4**	6609.000	45.59	1.97	54.0	8.41	AV	196.00	200	Horizontal	Pass
5	10182.625	51.64	0.10	74.0	22.36	Peak	360.00	100	Horizontal	Pass
5**	10182.625	42.61	0.10	54.0	11.39	AV	360.00	100	Horizontal	Pass
6	17479.463	51.23	2.76	74.0	22.77	Peak	52.00	200	Horizontal	Pass
6**	17479.463	42.21	2.76	54.0	11.79	AV	52.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1423.200	39.72	-17.21	74.0	34.28	Peak	303.00	200	Vertical	Pass
1**	1423.200	29.85	-17.21	54.0	24.15	AV	303.00	200	Vertical	Pass
2	2458.300	100.85	-12.86	74.0	-26.85	Peak	32.00	200	Vertical	N/A
2**	2458.300	92.69	-12.86	54.0	-38.69	AV	32.00	200	Vertical	N/A
3	4905.000	50.82	-2.12	74.0	23.18	Peak	0.00	100	Vertical	Pass
3**	4905.000	42.20	-2.12	54.0	11.80	AV	0.00	100	Vertical	Pass
4	6625.600	54.92	1.77	74.0	19.08	Peak	211.00	200	Vertical	Pass
4**	6625.600	45.47	1.77	54.0	8.53	AV	211.00	200	Vertical	Pass
5	10343.338	51.80	0.05	74.0	22.20	Peak	200.00	200	Vertical	Pass
5**	10343.338	41.82	0.05	54.0	12.18	AV	200.00	200	Vertical	Pass
6	17208.562	51.43	1.53	74.0	22.57	Peak	72.00	200	Vertical	Pass
6**	17208.562	43.11	1.53	54.0	10.89	AV	72.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.000	39.62	-17.18	74.0	34.38	Peak	360.00	200	Horizontal	Pass
1**	1556.000	29.58	-17.18	54.0	24.42	AV	360.00	200	Horizontal	Pass
2	2413.500	105.98	-11.62	74.0	-31.98	Peak	275.00	150	Horizontal	N/A
2**	2413.500	102.86	-11.62	54.0	-48.86	AV	275.00	150	Horizontal	N/A
3	4800.000	52.12	-2.03	74.0	21.88	Peak	0.00	200	Horizontal	Pass
3**	4800.000	43.68	-2.03	54.0	10.32	AV	0.00	200	Horizontal	Pass
4	6612.200	55.27	2.16	74.0	18.73	Peak	343.00	300	Horizontal	Pass
4**	6612.200	46.00	2.16	54.0	8.00	AV	343.00	300	Horizontal	Pass
5	10922.651	53.56	0.20	74.0	20.44	Peak	106.00	300	Horizontal	Pass
5**	10922.651	42.21	0.20	54.0	11.79	AV	106.00	300	Horizontal	Pass
6	17192.813	51.11	2.25	74.0	22.89	Peak	117.00	400	Horizontal	Pass
6**	17192.813	43.88	2.25	54.0	10.12	AV	117.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.700	39.09	-17.23	74.0	34.91	Peak	0.00	300	Vertical	Pass
1**	1501.700	29.52	-17.23	54.0	24.48	AV	0.00	300	Vertical	Pass
2	2412.000	96.84	-11.91	74.0	-22.84	Peak	30.00	100	Vertical	N/A
2**	2412.000	92.58	-11.91	54.0	-38.58	AV	30.00	100	Vertical	N/A
3	4857.000	50.87	-3.11	74.0	23.13	Peak	38.00	100	Vertical	Pass
3**	4857.000	41.42	-3.11	54.0	12.58	AV	38.00	100	Vertical	Pass
4	6279.800	54.97	0.89	74.0	19.03	Peak	358.00	100	Vertical	Pass
4**	6279.800	45.27	0.89	54.0	8.73	AV	358.00	100	Vertical	Pass
5	9963.263	51.82	-0.58	74.0	22.18	Peak	183.00	300	Vertical	Pass
5**	9963.263	42.12	-0.58	54.0	11.88	AV	183.00	300	Vertical	Pass
6	17201.476	52.03	1.82	74.0	21.97	Peak	120.00	400	Vertical	Pass
6**	17201.476	43.33	1.82	54.0	10.67	AV	120.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.100	39.68	-17.09	74.0	34.32	Peak	0.00	400	Horizontal	Pass
1**	1593.100	29.22	-17.09	54.0	24.78	AV	0.00	400	Horizontal	Pass
2	2438.400	105.05	-12.29	74.0	-31.05	Peak	46.00	100	Horizontal	N/A
2**	2438.400	102.02	-12.29	54.0	-48.02	AV	46.00	100	Horizontal	N/A
3	4975.200	50.67	-1.84	74.0	23.33	Peak	357.00	200	Horizontal	Pass
3**	4975.200	41.29	-1.84	54.0	12.71	AV	357.00	200	Horizontal	Pass
4	6066.000	54.22	0.38	74.0	19.78	Peak	25.00	400	Horizontal	Pass
4**	6066.000	44.65	0.38	54.0	9.35	AV	25.00	400	Horizontal	Pass
5	10427.000	51.59	-0.03	74.0	22.41	Peak	79.00	300	Horizontal	Pass
5**	10427.000	42.20	-0.03	54.0	11.80	AV	79.00	300	Horizontal	Pass
6	17286.001	51.14	1.69	74.0	22.86	Peak	122.00	400	Horizontal	Pass
6**	17286.001	42.99	1.69	54.0	11.01	AV	122.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.300	39.71	-17.46	74.0	34.29	Peak	131.00	400	Vertical	Pass
1**	1598.300	29.28	-17.46	54.0	24.72	AV	131.00	400	Vertical	Pass
2	2438.200	97.66	-12.30	74.0	-23.66	Peak	28.00	200	Vertical	N/A
2**	2438.200	94.75	-12.30	54.0	-40.75	AV	28.00	200	Vertical	N/A
3	4805.800	51.25	-2.15	74.0	22.75	Peak	175.00	150	Vertical	Pass
3**	4805.800	41.82	-2.15	54.0	12.18	AV	175.00	150	Vertical	Pass
4	6268.600	54.65	0.85	74.0	19.35	Peak	224.00	100	Vertical	Pass
4**	6268.600	45.54	0.85	54.0	8.46	AV	224.00	100	Vertical	Pass
5	11517.776	51.96	-0.38	74.0	22.04	Peak	360.00	200	Vertical	Pass
5**	11517.776	42.20	-0.38	54.0	11.80	AV	360.00	200	Vertical	Pass
6	17200.425	52.02	1.87	74.0	21.98	Peak	360.00	400	Vertical	Pass
6**	17200.425	43.84	1.87	54.0	10.16	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.800	39.13	-17.21	74.0	34.87	Peak	357.00	400	Horizontal	Pass
1**	1500.800	29.19	-17.21	54.0	24.81	AV	357.00	400	Horizontal	Pass
2	2463.300	104.56	-12.50	74.0	-30.56	Peak	64.00	200	Horizontal	N/A
2**	2463.300	101.79	-12.50	54.0	-47.79	AV	64.00	200	Horizontal	N/A
3	5199.200	52.89	-1.97	74.0	21.11	Peak	59.00	100	Horizontal	Pass
3**	5199.200	42.67	-1.97	54.0	11.33	AV	59.00	100	Horizontal	Pass
4	6283.200	54.83	1.11	74.0	19.17	Peak	262.00	400	Horizontal	Pass
4**	6283.200	44.87	1.11	54.0	9.13	AV	262.00	400	Horizontal	Pass
5	10174.287	51.68	-0.14	74.0	22.32	Peak	179.00	200	Horizontal	Pass
5**	10174.287	42.16	-0.14	54.0	11.84	AV	179.00	200	Horizontal	Pass
6	17202.526	50.91	1.77	74.0	23.09	Peak	186.00	200	Horizontal	Pass
6**	17202.526	44.27	1.77	54.0	9.73	AV	186.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.900	39.46	-17.34	74.0	34.54	Peak	31.00	400	Vertical	Pass
1**	1503.900	29.70	-17.34	54.0	24.30	AV	31.00	400	Vertical	Pass
2	2460.600	99.18	-12.84	74.0	-25.18	Peak	37.00	200	Vertical	N/A
2**	2460.600	96.21	-12.84	54.0	-42.21	AV	37.00	200	Vertical	N/A
3	4879.800	51.12	-2.59	74.0	22.88	Peak	8.00	100	Vertical	Pass
3**	4879.800	42.04	-2.59	54.0	11.96	AV	8.00	100	Vertical	Pass
4	6823.200	54.18	1.38	74.0	19.82	Peak	55.00	100	Vertical	Pass
4**	6823.200	44.51	1.38	54.0	9.49	AV	55.00	100	Vertical	Pass
5	10347.076	51.67	0.03	74.0	22.33	Peak	290.00	100	Vertical	Pass
5**	10347.076	42.00	0.03	54.0	12.00	AV	290.00	100	Vertical	Pass
6	17189.663	51.84	2.35	74.0	22.16	Peak	148.00	200	Vertical	Pass
6**	17189.663	44.63	2.35	54.0	9.37	AV	148.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1297.800	39.18	-17.11	74.0	34.82	Peak	316.00	400	Horizontal	Pass
1**	1297.800	29.68	-17.11	54.0	24.32	AV	316.00	400	Horizontal	Pass
2	2410.300	106.96	-11.95	74.0	-32.96	Peak	272.00	150	Horizontal	N/A
2**	2410.300	99.58	-11.95	54.0	-45.58	AV	272.00	150	Horizontal	N/A
3	4517.800	49.58	-3.63	74.0	24.42	Peak	9.00	100	Horizontal	Pass
3**	4517.800	40.62	-3.63	54.0	13.38	AV	9.00	100	Horizontal	Pass
4	6285.800	55.69	1.54	74.0	18.31	Peak	81.00	100	Horizontal	Pass
4**	6285.800	45.30	1.54	54.0	8.70	AV	81.00	100	Horizontal	Pass
5	10456.612	51.68	-0.77	74.0	22.32	Peak	69.00	300	Horizontal	Pass
5**	10456.612	41.06	-0.77	54.0	12.94	AV	69.00	300	Horizontal	Pass
6	16207.651	51.14	1.47	74.0	22.86	Peak	360.00	400	Horizontal	Pass
6**	16207.651	43.04	1.47	54.0	10.96	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1564.400	39.68	-17.45	74.0	34.32	Peak	271.00	300	Vertical	Pass
1**	1564.400	29.09	-17.45	54.0	24.91	AV	271.00	300	Vertical	Pass
2	2416.100	97.78	-11.68	74.0	-23.78	Peak	145.00	150	Vertical	N/A
2**	2416.100	89.82	-11.68	54.0	-35.82	AV	145.00	150	Vertical	N/A
3	4919.400	51.36	-2.16	74.0	22.64	Peak	96.00	100	Vertical	Pass
3**	4919.400	41.87	-2.16	54.0	12.13	AV	96.00	100	Vertical	Pass
4	6559.000	54.81	0.15	74.0	19.19	Peak	85.00	100	Vertical	Pass
4**	6559.000	44.51	0.15	54.0	9.49	AV	85.00	100	Vertical	Pass
5	10064.175	51.58	-0.54	74.0	22.42	Peak	360.00	200	Vertical	Pass
5**	10064.175	41.31	-0.54	54.0	12.69	AV	360.00	200	Vertical	Pass
6	15847.238	51.01	1.35	74.0	22.99	Peak	151.00	100	Vertical	Pass
6**	15847.238	42.17	1.35	54.0	11.83	AV	151.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.800	39.57	-17.45	74.0	34.43	Peak	5.00	200	Horizontal	Pass
1**	1597.800	29.51	-17.45	54.0	24.49	AV	5.00	200	Horizontal	Pass
2	2438.800	106.96	-12.29	74.0	-32.96	Peak	50.00	150	Horizontal	N/A
2**	2438.800	100.19	-12.29	54.0	-46.19	AV	50.00	150	Horizontal	N/A
3	4838.000	51.20	-3.09	74.0	22.80	Peak	211.00	100	Horizontal	Pass
3**	4838.000	41.14	-3.09	54.0	12.86	AV	211.00	100	Horizontal	Pass
4	6494.200	54.92	0.43	74.0	19.08	Peak	360.00	100	Horizontal	Pass
4**	6494.200	44.82	0.43	54.0	9.18	AV	360.00	100	Horizontal	Pass
5	10181.474	52.01	0.07	74.0	21.99	Peak	41.00	400	Horizontal	Pass
5**	10181.474	42.15	0.07	54.0	11.85	AV	41.00	400	Horizontal	Pass
6	17183.099	51.42	2.59	74.0	22.58	Peak	62.00	200	Horizontal	Pass
6**	17183.099	43.06	2.59	54.0	10.94	AV	62.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.100	39.54	-17.00	74.0	34.46	Peak	360.00	100	Vertical	Pass
1**	1552.100	29.75	-17.00	54.0	24.25	AV	360.00	100	Vertical	Pass
2	2440.400	100.43	-12.23	74.0	-26.43	Peak	31.00	100	Vertical	N/A
2**	2440.400	93.49	-12.23	54.0	-39.49	AV	31.00	100	Vertical	N/A
3	4909.600	51.27	-2.39	74.0	22.73	Peak	308.00	150	Vertical	Pass
3**	4909.600	41.42	-2.39	54.0	12.58	AV	308.00	150	Vertical	Pass
4	6670.200	55.03	0.16	74.0	18.97	Peak	194.00	400	Vertical	Pass
4**	6670.200	44.99	0.16	54.0	9.01	AV	194.00	400	Vertical	Pass
5	10139.787	51.40	0.02	74.0	22.60	Peak	88.00	100	Vertical	Pass
5**	10139.787	42.43	0.02	54.0	11.57	AV	88.00	100	Vertical	Pass
6	17190.975	51.25	2.30	74.0	22.75	Peak	360.00	100	Vertical	Pass
6**	17190.975	44.77	2.30	54.0	9.23	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.700	39.35	-17.23	74.0	34.65	Peak	0.00	400	Horizontal	Pass
1**	1506.700	31.17	-17.23	54.0	22.83	AV	0.00	400	Horizontal	Pass
2	2465.900	107.26	-12.53	74.0	-33.26	Peak	71.00	100	Horizontal	N/A
2**	2465.900	99.69	-12.53	54.0	-45.69	AV	71.00	100	Horizontal	N/A
3	5193.600	52.89	-2.04	74.0	21.11	Peak	232.00	100	Horizontal	Pass
3**	5193.600	44.39	-2.04	54.0	9.61	AV	232.00	100	Horizontal	Pass
4	6290.400	54.82	1.27	74.0	19.18	Peak	360.00	400	Horizontal	Pass
4**	6290.400	45.37	1.27	54.0	8.63	AV	360.00	400	Horizontal	Pass
5	10941.625	52.12	-0.08	74.0	21.88	Peak	344.00	400	Horizontal	Pass
5**	10941.625	42.26	-0.08	54.0	11.74	AV	344.00	400	Horizontal	Pass
6	17195.438	51.36	2.16	74.0	22.64	Peak	194.00	200	Horizontal	Pass
6**	17195.438	43.75	2.16	54.0	10.25	AV	194.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1316.800	39.41	-17.03	74.0	34.59	Peak	42.00	200	Vertical	Pass
1**	1316.800	29.98	-17.03	54.0	24.02	AV	42.00	200	Vertical	Pass
2	2465.700	98.41	-12.55	74.0	-24.41	Peak	141.00	100	Vertical	N/A
2**	2465.700	90.64	-12.55	54.0	-36.64	AV	141.00	100	Vertical	N/A
3	5197.400	52.83	-2.07	74.0	21.17	Peak	289.00	100	Vertical	Pass
3**	5197.400	43.27	-2.07	54.0	10.73	AV	289.00	100	Vertical	Pass
4	6663.400	55.01	0.85	74.0	18.99	Peak	252.00	100	Vertical	Pass
4**	6663.400	45.31	0.85	54.0	8.69	AV	252.00	100	Vertical	Pass
5	10335.000	51.50	0.07	74.0	22.50	Peak	23.00	400	Vertical	Pass
5**	10335.000	42.86	0.07	54.0	11.14	AV	23.00	400	Vertical	Pass
6	17187.037	51.51	2.45	74.0	22.49	Peak	223.00	100	Vertical	Pass
6**	17187.037	42.93	2.45	54.0	11.07	AV	223.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.700	39.21	-17.45	74.0	34.79	Peak	164.00	400	Horizontal	Pass
1**	1523.700	29.95	-17.45	54.0	24.05	AV	164.00	400	Horizontal	Pass
2	2413.800	105.70	-11.56	74.0	-31.70	Peak	276.00	150	Horizontal	N/A
2**	2413.800	98.28	-11.56	54.0	-44.28	AV	276.00	150	Horizontal	N/A
3	4905.600	52.21	-2.22	74.0	21.79	Peak	24.00	150	Horizontal	Pass
3**	4905.600	41.61	-2.22	54.0	12.39	AV	24.00	150	Horizontal	Pass
4	6669.400	54.38	0.23	74.0	19.62	Peak	79.00	100	Horizontal	Pass
4**	6669.400	45.14	0.23	54.0	8.86	AV	79.00	100	Horizontal	Pass
5	12687.612	51.52	0.85	74.0	22.48	Peak	292.00	100	Horizontal	Pass
5**	12687.612	41.55	0.85	54.0	12.45	AV	292.00	100	Horizontal	Pass
6	17199.901	52.06	1.90	74.0	21.94	Peak	228.00	100	Horizontal	Pass
6**	17199.901	45.26	1.90	54.0	8.74	AV	228.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1411.400	39.59	-17.02	74.0	34.41	Peak	262.00	400	Vertical	Pass
1**	1411.400	30.15	-17.02	54.0	23.85	AV	262.00	400	Vertical	Pass
2	2413.300	99.76	-11.66	74.0	-25.76	Peak	19.00	100	Vertical	N/A
2**	2413.300	91.55	-11.66	54.0	-37.55	AV	19.00	100	Vertical	N/A
3	4976.600	50.88	-1.61	74.0	23.12	Peak	146.00	200	Vertical	Pass
3**	4976.600	41.09	-1.61	54.0	12.91	AV	146.00	200	Vertical	Pass
4	6613.800	54.97	2.10	74.0	19.03	Peak	271.00	100	Vertical	Pass
4**	6613.800	46.39	2.10	54.0	7.61	AV	271.00	100	Vertical	Pass
5	10328.674	51.41	-0.01	74.0	22.59	Peak	3.00	100	Vertical	Pass
5**	10328.674	43.47	-0.01	54.0	10.53	AV	3.00	100	Vertical	Pass
6	17190.975	51.16	2.30	74.0	22.84	Peak	278.00	400	Vertical	Pass
6**	17190.975	43.13	2.30	54.0	10.87	AV	278.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.400	39.46	-17.34	74.0	34.54	Peak	110.00	200	Horizontal	Pass
1**	1472.400	29.57	-17.34	54.0	24.43	AV	110.00	200	Horizontal	Pass
2	2441.300	105.75	-12.18	74.0	-31.75	Peak	69.00	100	Horizontal	N/A
2**	2441.300	98.37	-12.18	54.0	-44.37	AV	69.00	100	Horizontal	N/A
3	4792.200	51.06	-1.60	74.0	22.94	Peak	225.00	100	Horizontal	Pass
3**	4792.200	41.83	-1.60	54.0	12.17	AV	225.00	100	Horizontal	Pass
4	6605.600	54.81	1.88	74.0	19.19	Peak	112.00	300	Horizontal	Pass
4**	6605.600	46.01	1.88	54.0	7.99	AV	112.00	300	Horizontal	Pass
5	12211.225	51.71	1.06	74.0	22.29	Peak	43.00	200	Horizontal	Pass
5**	12211.225	41.96	1.06	54.0	12.04	AV	43.00	200	Horizontal	Pass
6	17198.850	51.74	1.96	74.0	22.26	Peak	144.00	400	Horizontal	Pass
6**	17198.850	43.20	1.96	54.0	10.80	AV	144.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.000	39.35	-17.07	74.0	34.65	Peak	30.00	200	Vertical	Pass
1**	1553.000	29.73	-17.07	54.0	24.27	AV	30.00	200	Vertical	Pass
2	2438.500	100.92	-12.29	74.0	-26.92	Peak	37.00	150	Vertical	N/A
2**	2438.500	92.38	-12.29	54.0	-38.38	AV	37.00	150	Vertical	N/A
3	5115.400	51.71	-1.73	74.0	22.29	Peak	292.00	100	Vertical	Pass
3**	5115.400	42.48	-1.73	54.0	11.52	AV	292.00	100	Vertical	Pass
4	6602.800	54.84	1.48	74.0	19.16	Peak	112.00	400	Vertical	Pass
4**	6602.800	46.20	1.48	54.0	7.80	AV	112.00	400	Vertical	Pass
5	10949.387	51.74	-0.25	74.0	22.26	Peak	343.00	400	Vertical	Pass
5**	10949.387	42.74	-0.25	54.0	11.26	AV	343.00	400	Vertical	Pass
6	17190.713	50.95	2.31	74.0	23.05	Peak	69.00	300	Vertical	Pass
6**	17190.713	43.40	2.31	54.0	10.60	AV	69.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.500	38.99	-17.17	74.0	35.01	Peak	82.00	400	Horizontal	Pass
1**	1437.500	30.02	-17.17	54.0	23.98	AV	82.00	400	Horizontal	Pass
2	2460.900	105.53	-12.84	74.0	-31.53	Peak	279.00	100	Horizontal	N/A
2**	2460.900	99.35	-12.84	54.0	-45.35	AV	279.00	100	Horizontal	N/A
3	4358.400	49.93	-2.67	74.0	24.07	Peak	264.00	100	Horizontal	Pass
3**	4358.400	40.42	-2.67	54.0	13.58	AV	264.00	100	Horizontal	Pass
4	6943.000	54.58	2.64	74.0	19.42	Peak	348.00	100	Horizontal	Pass
4**	6943.000	45.17	2.64	54.0	8.83	AV	348.00	100	Horizontal	Pass
5	10143.237	52.18	0.04	74.0	21.82	Peak	195.00	400	Horizontal	Pass
5**	10143.237	41.87	0.04	54.0	12.13	AV	195.00	400	Horizontal	Pass
6	17209.612	51.25	1.50	74.0	22.75	Peak	283.00	100	Horizontal	Pass
6**	17209.612	42.49	1.50	54.0	11.51	AV	283.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.700	39.54	-17.57	74.0	34.46	Peak	287.00	300	Vertical	Pass
1**	1566.700	29.20	-17.57	54.0	24.80	AV	287.00	300	Vertical	Pass
2	2465.300	101.00	-12.60	74.0	-27.00	Peak	18.00	150	Vertical	N/A
2**	2465.300	93.42	-12.60	54.0	-39.42	AV	18.00	150	Vertical	N/A
3	5120.600	53.10	-1.71	74.0	20.90	Peak	292.00	100	Vertical	Pass
3**	5120.600	42.16	-1.71	54.0	11.84	AV	292.00	100	Vertical	Pass
4	6675.800	54.87	0.14	74.0	19.13	Peak	292.00	400	Vertical	Pass
4**	6675.800	45.90	0.14	54.0	8.10	AV	292.00	400	Vertical	Pass
5	10184.350	51.77	0.14	74.0	22.23	Peak	292.00	200	Vertical	Pass
5**	10184.350	42.00	0.14	54.0	12.00	AV	292.00	200	Vertical	Pass
6	17205.938	50.94	1.61	74.0	23.06	Peak	228.00	400	Vertical	Pass
6**	17205.938	43.82	1.61	54.0	10.18	AV	228.00	400	Vertical	Pass

Simultaneous transmission

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

1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1400.400	39.70	-17.22	74.0	34.30	Peak	185.00	100	Horizontal	Pass
1**	1400.400	29.52	-17.22	54.0	24.48	AV	185.00	100	Horizontal	Pass
2	2401.700	100.57	-11.74	74.0	-26.57	Peak	286.00	100	Horizontal	N/A
2**	2401.700	99.26	-11.74	54.0	-45.26	AV	286.00	100	Horizontal	N/A
3	2460.200	104.00	-12.83	74.0	-30.00	Peak	138.00	100	Horizontal	N/A
3**	2460.200	96.58	-12.83	54.0	-42.58	AV	138.00	100	Horizontal	N/A
4	6267.200	54.04	0.86	74.0	19.96	Peak	77.00	100	Horizontal	Pass
4**	6267.200	45.13	0.86	54.0	8.87	AV	77.00	100	Horizontal	Pass
5	10918.338	51.11	0.22	74.0	22.89	Peak	316.00	100	Horizontal	Pass
5**	10918.338	42.82	0.22	54.0	11.18	AV	316.00	100	Horizontal	Pass
6	17188.614	51.71	2.39	74.0	22.29	Peak	286.00	200	Horizontal	Pass
6**	17188.614	44.34	2.39	54.0	9.66	AV	286.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.100	39.49	-17.34	74.0	34.51	Peak	275.00	200	Vertical	Pass
1**	1469.100	29.77	-17.34	54.0	24.23	AV	275.00	200	Vertical	Pass
2	2401.700	87.45	-11.74	74.0	-13.45	Peak	297.00	100	Vertical	N/A
2**	2401.700	86.05	-11.74	54.0	-32.05	AV	297.00	100	Vertical	N/A
3	2465.600	91.47	-12.57	74.0	-17.47	Peak	87.00	100	Vertical	N/A
3**	2465.600	84.32	-12.57	54.0	-30.32	AV	87.00	100	Vertical	N/A
4	6177.200	54.41	0.46	74.0	19.59	Peak	116.00	100	Vertical	Pass
4**	6177.200	43.98	0.46	54.0	10.02	AV	116.00	100	Vertical	Pass
5	11221.937	51.30	-0.21	74.0	22.70	Peak	332.00	200	Vertical	Pass
5**	11221.937	41.93	-0.21	54.0	12.07	AV	332.00	200	Vertical	Pass
6	17195.700	51.70	2.15	74.0	22.30	Peak	1.00	100	Vertical	Pass
6**	17195.700	44.14	2.15	54.0	9.86	AV	1.00	100	Vertical	Pass

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

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

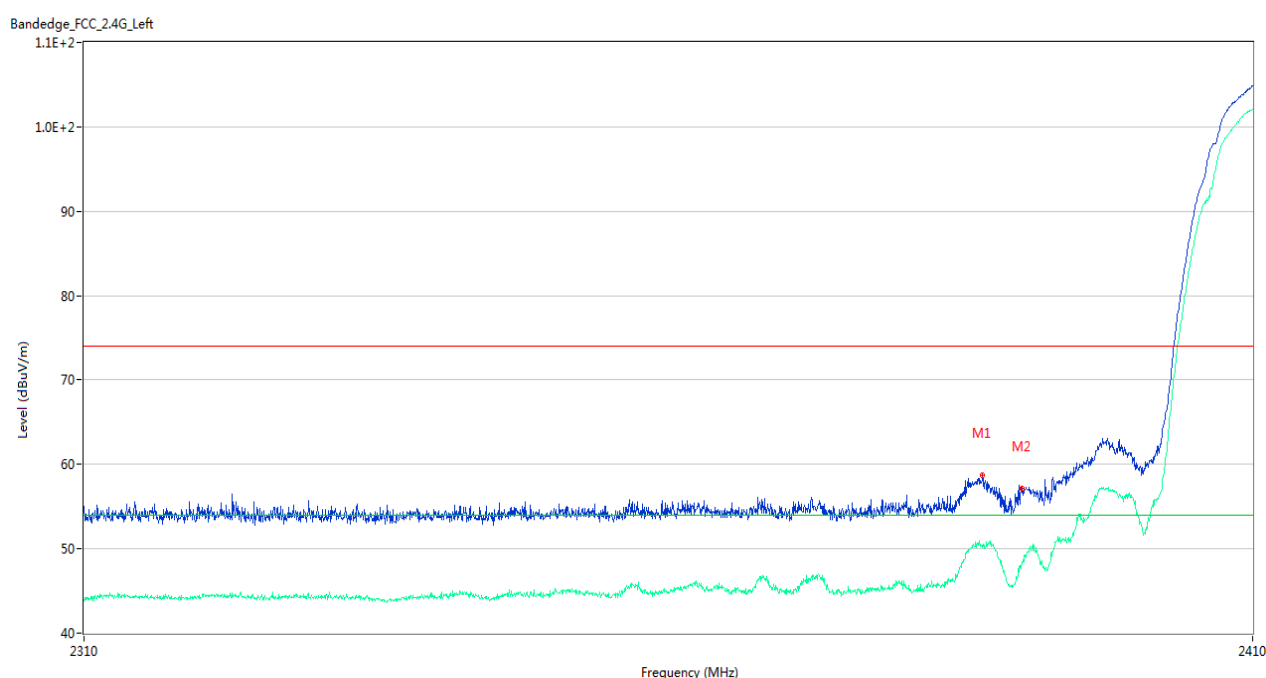
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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

Test Data and Plots

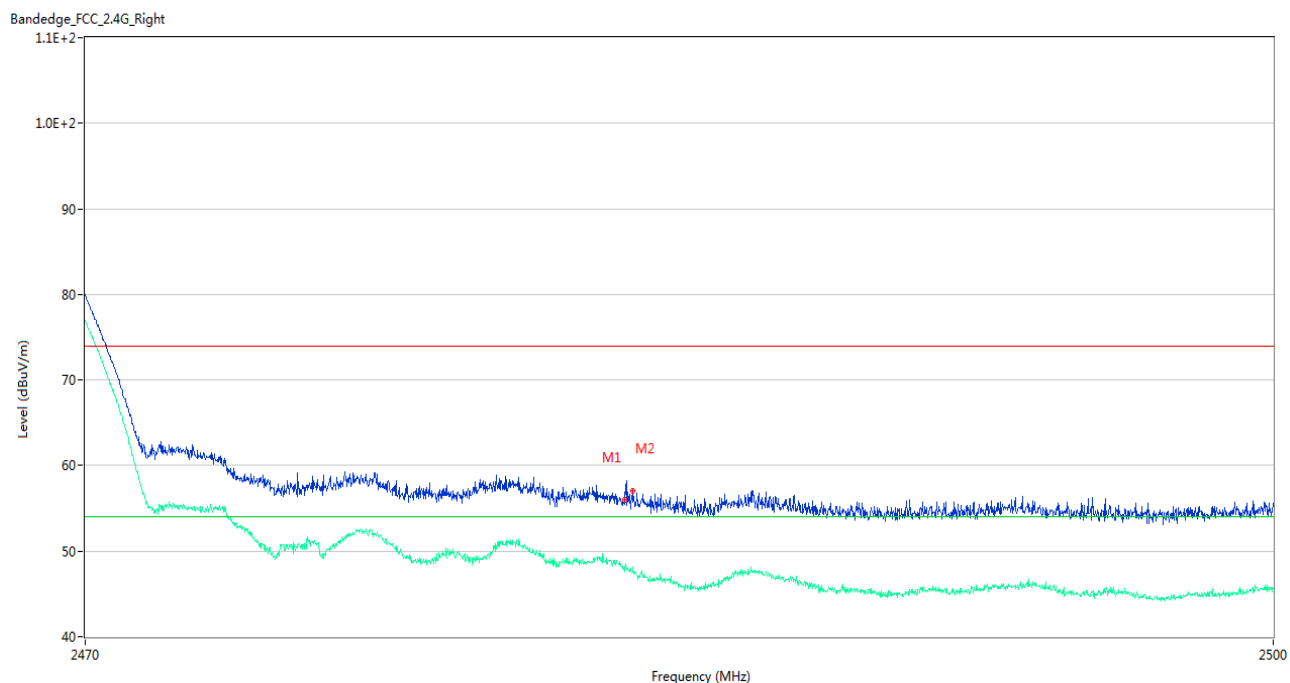
Main Antenna

802.11b LOW CHANNEL



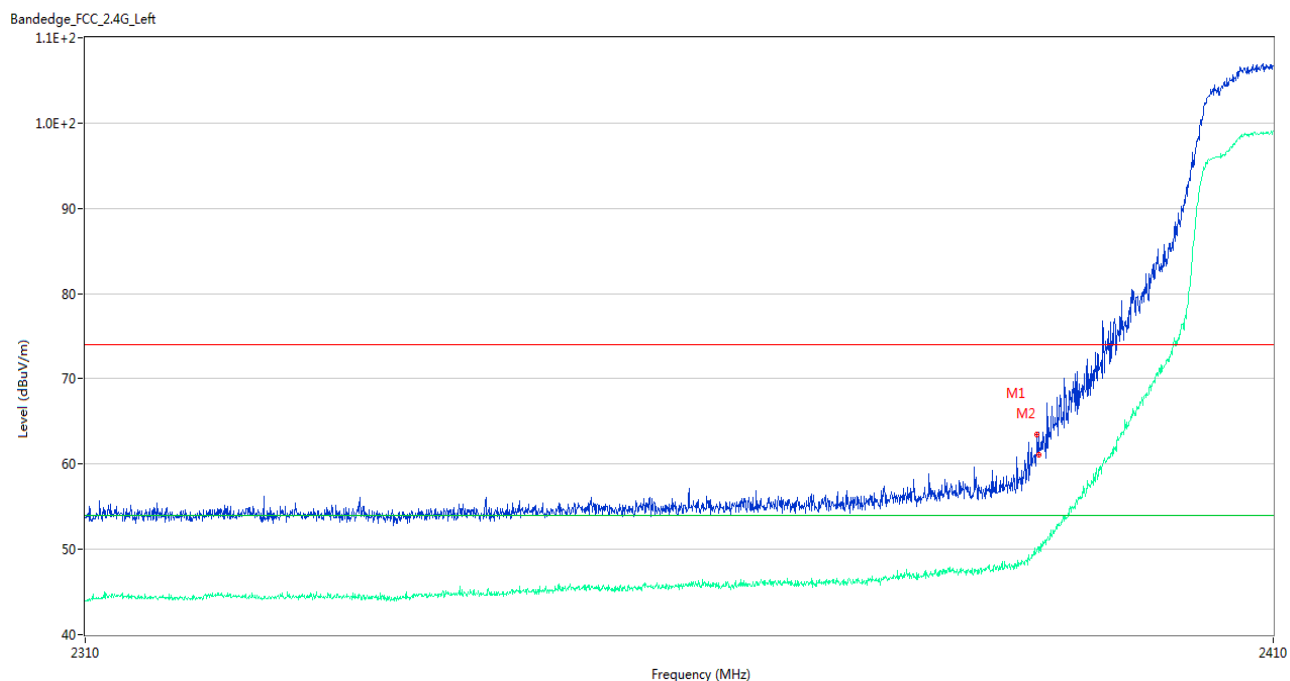
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.500	58.72	-0.45	74.0	15.28	Peak	279.00	200	Horizontal	Pass
1**	2386.500	50.11	-0.45	54.0	3.89	AV	279.00	200	Horizontal	Pass
2	2389.950	57.20	-0.59	74.0	16.80	Peak	275.00	100	Horizontal	Pass
2**	2389.950	48.18	-0.59	54.0	5.82	AV	275.00	100	Horizontal	Pass

802.11b HIGH CHANNEL



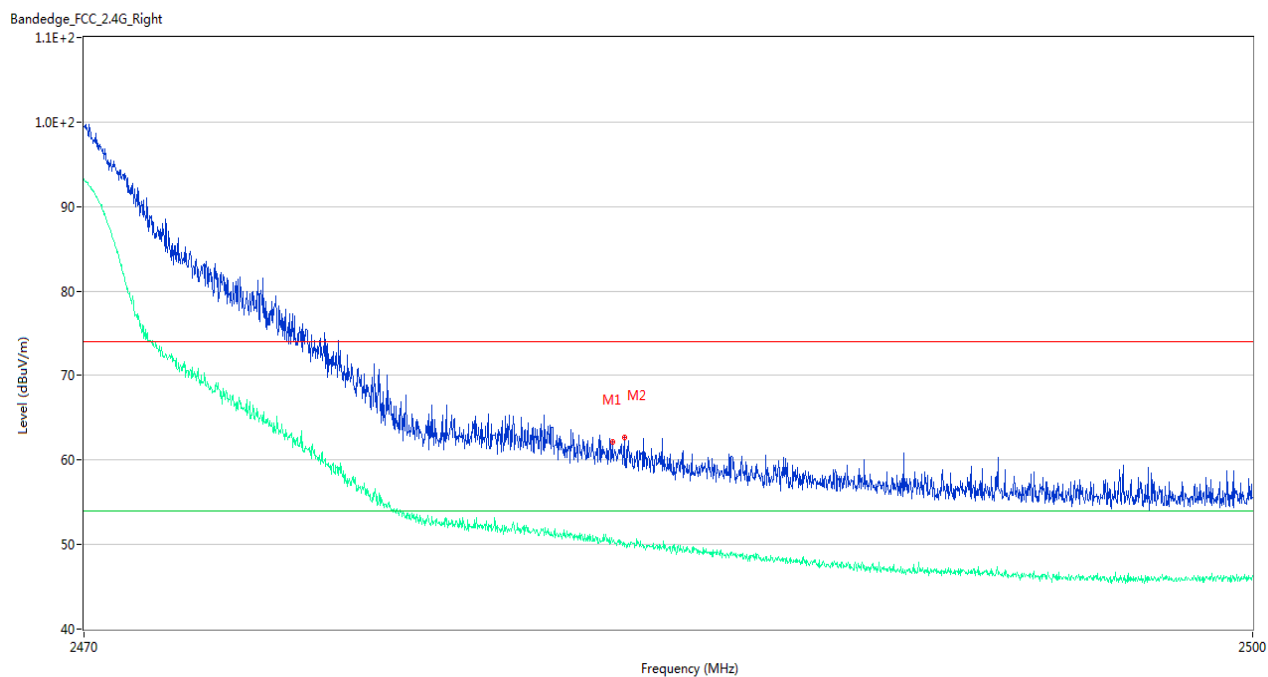
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	55.98	-0.20	74.0	18.02	Peak	283.00	150	Horizontal	Pass
1**	2483.590	48.07	-0.20	54.0	5.93	AV	283.00	150	Horizontal	Pass
2	2483.770	57.02	-0.19	74.0	16.98	Peak	278.00	100	Horizontal	Pass
2**	2483.770	47.55	-0.19	54.0	6.45	AV	278.00	100	Horizontal	Pass

802.11g LOW CHANNEL



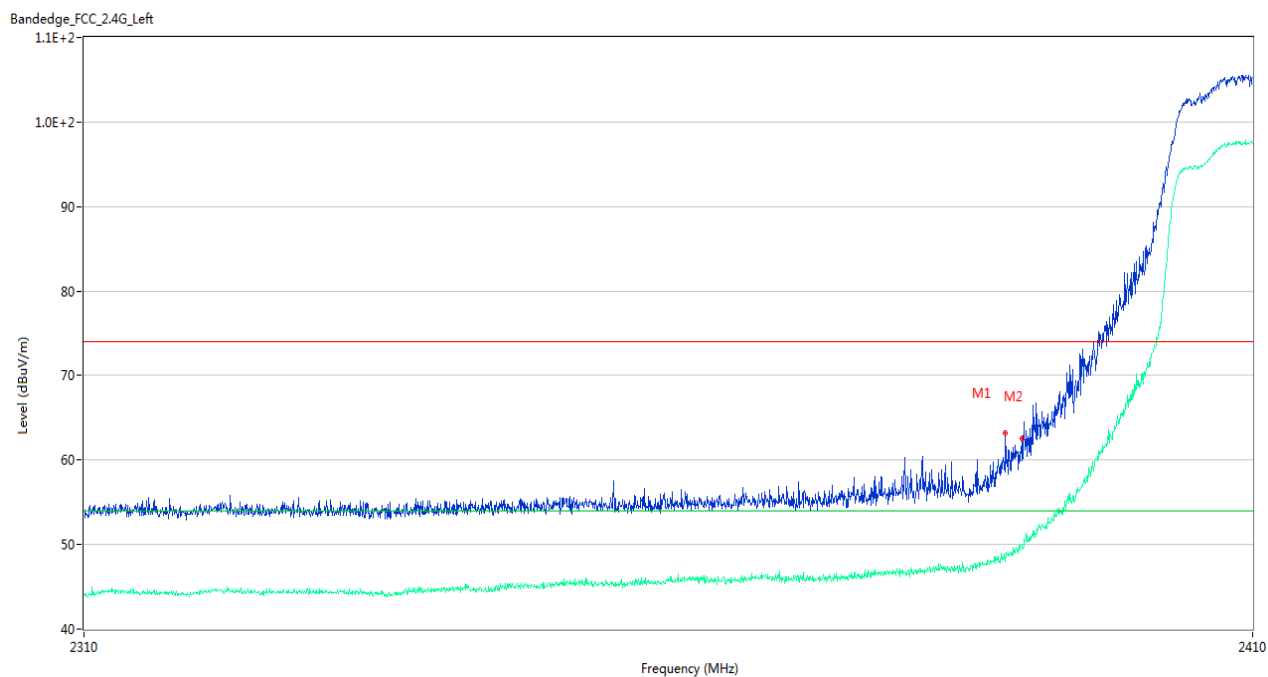
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.800	63.40	-0.63	74.0	10.60	Peak	12.00	150	Horizontal	Pass
1**	2389.800	49.83	-0.63	54.0	4.17	AV	12.00	150	Horizontal	Pass
2	2389.950	61.07	-0.59	74.0	12.93	Peak	21.00	150	Horizontal	Pass
2**	2389.950	50.28	-0.59	54.0	3.72	AV	21.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



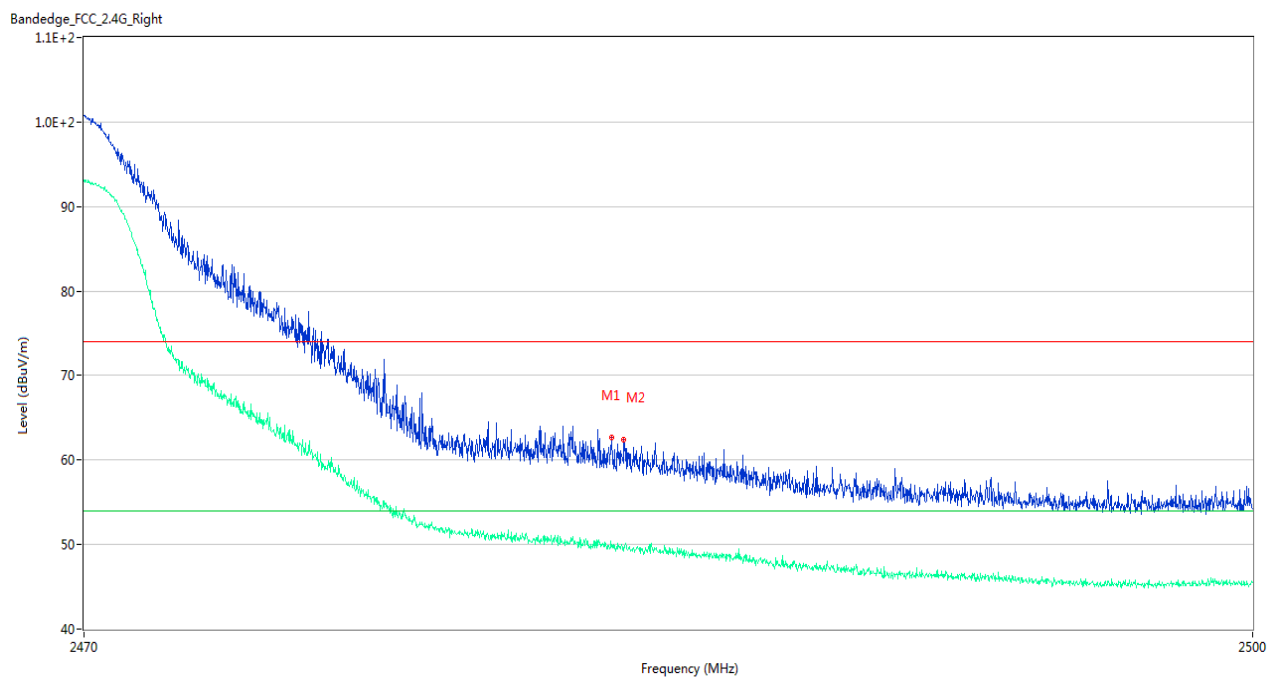
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	62.20	-0.20	74.0	11.80	Peak	290.00	100	Horizontal	Pass
1**	2483.515	50.32	-0.20	54.0	3.68	AV	290.00	100	Horizontal	Pass
2	2483.830	62.73	-0.18	74.0	11.27	Peak	277.00	150	Horizontal	Pass
2**	2483.830	49.72	-0.18	54.0	4.28	AV	277.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.500	63.19	-0.83	74.0	10.81	Peak	278.00	200	Horizontal	Pass
1**	2388.500	48.04	-0.83	54.0	5.96	AV	278.00	200	Horizontal	Pass
2	2389.950	62.60	-0.59	74.0	11.40	Peak	272.00	100	Horizontal	Pass
2**	2389.950	49.97	-0.59	54.0	4.03	AV	272.00	100	Horizontal	Pass

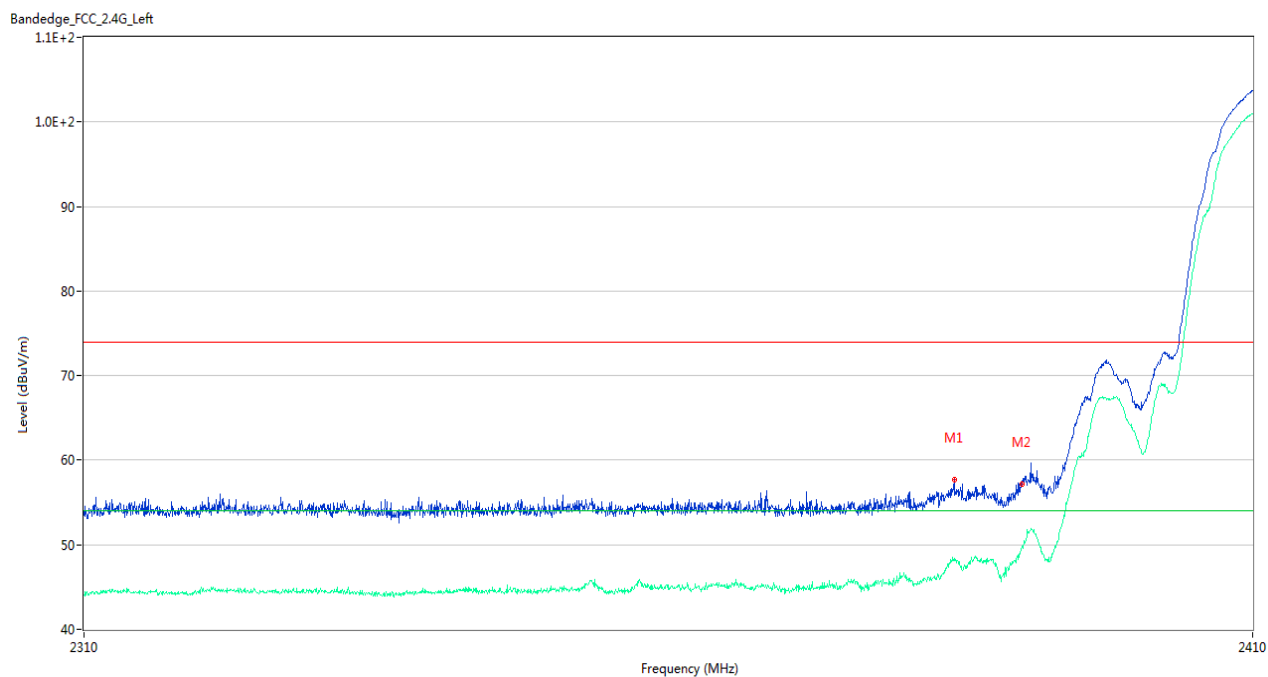
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	62.71	-0.21	74.0	11.29	Peak	278.00	200	Horizontal	Pass
1**	2483.500	49.72	-0.21	54.0	4.28	AV	278.00	200	Horizontal	Pass
2	2483.815	62.36	-0.19	74.0	11.64	Peak	269.00	150	Horizontal	Pass
2**	2483.815	49.56	-0.19	54.0	4.44	AV	269.00	150	Horizontal	Pass

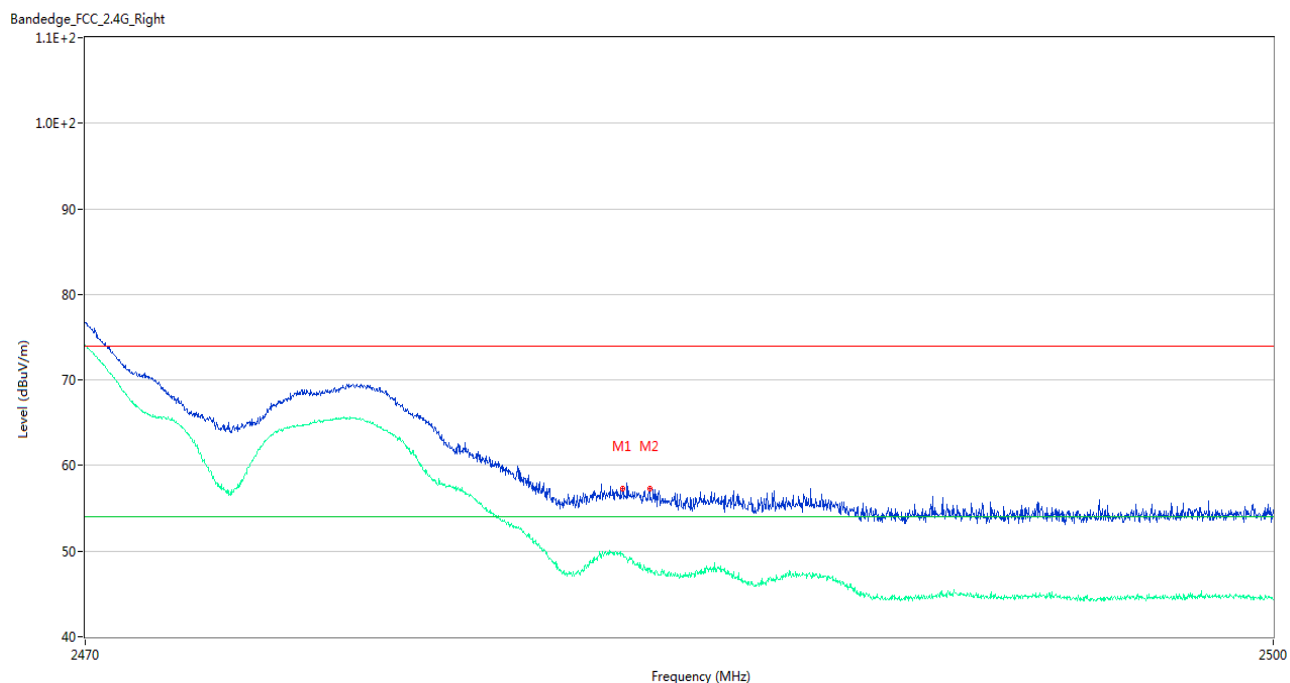
Aux. Antenna

802.11b LOW CHANNEL



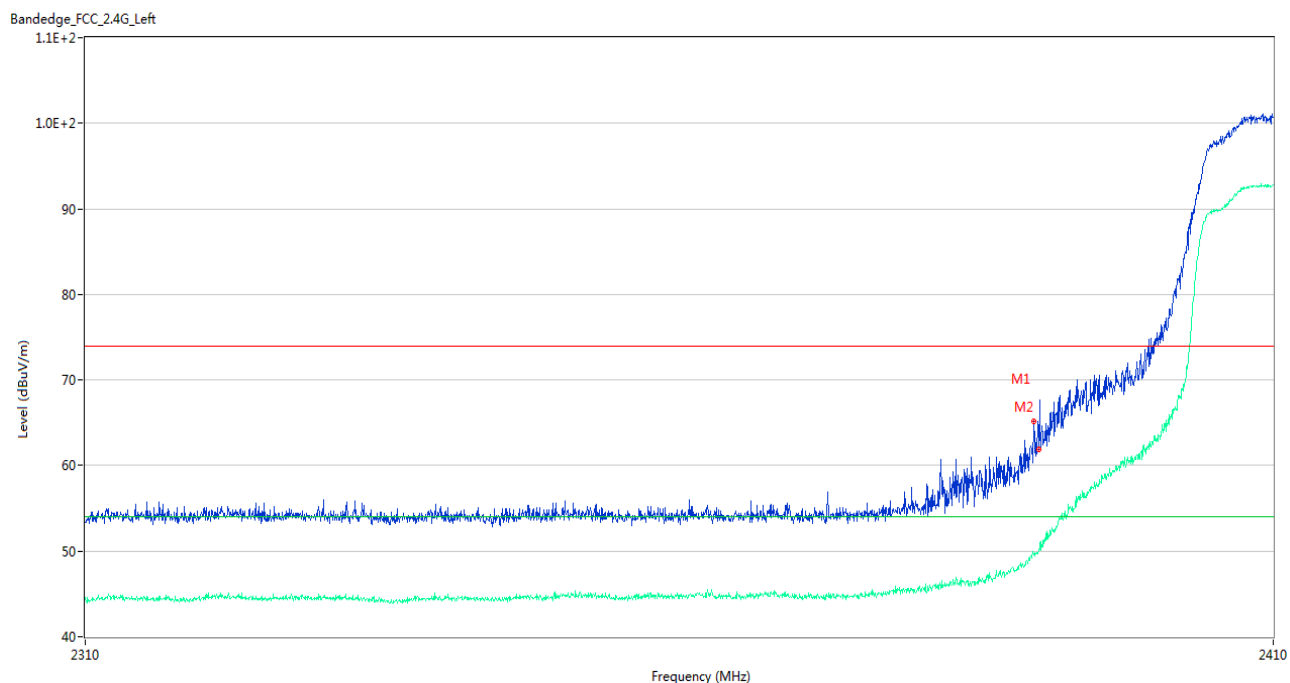
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.050	57.63	-0.51	74.0	16.37	Peak	55.00	200	Horizontal	Pass
1**	2384.050	48.41	-0.51	54.0	5.59	AV	55.00	200	Horizontal	Pass
2	2389.950	57.16	-0.59	74.0	16.84	Peak	62.00	200	Horizontal	Pass
2**	2389.950	49.71	-0.59	54.0	4.29	AV	62.00	200	Horizontal	Pass

802.11b HIGH CHANNEL



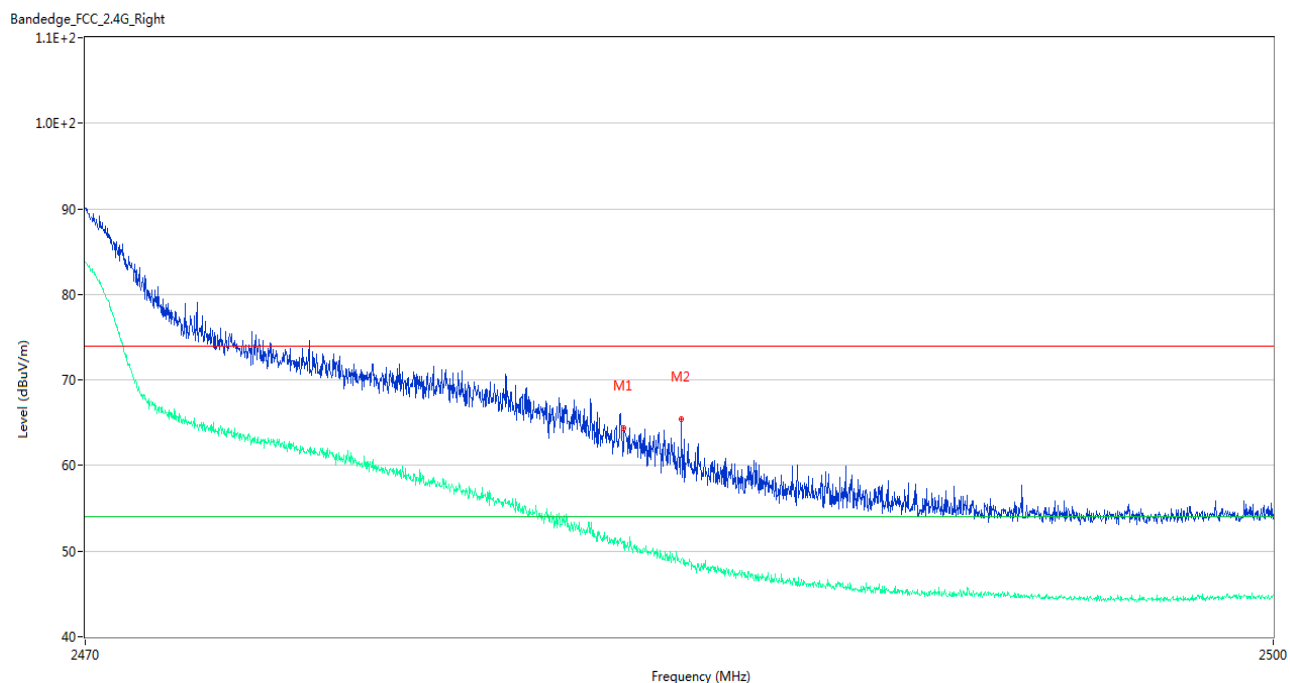
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	57.26	-0.20	74.0	16.74	Peak	75.00	100	Horizontal	Pass
1**	2483.530	49.67	-0.20	54.0	4.33	AV	75.00	100	Horizontal	Pass
2	2484.205	57.33	-0.16	74.0	16.67	Peak	125.00	150	Horizontal	Pass
2**	2484.205	47.56	-0.16	54.0	6.44	AV	125.00	150	Horizontal	Pass

802.11g LOW CHANNEL



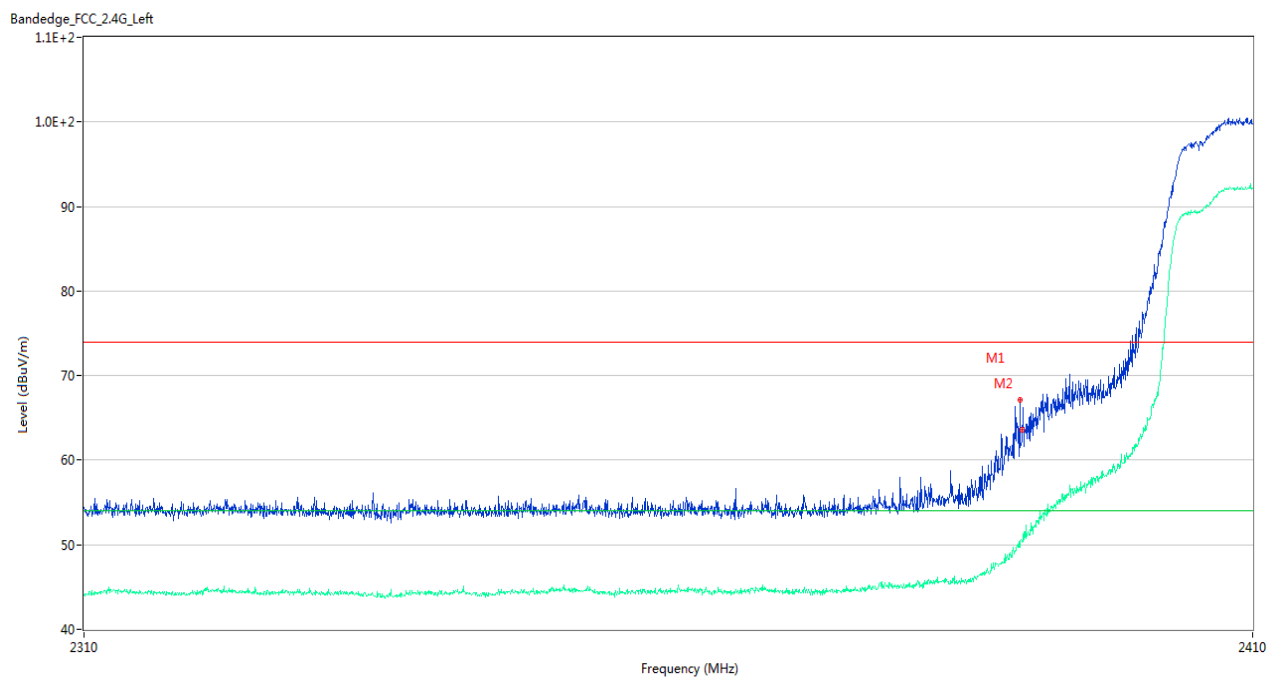
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	65.13	-0.70	74.0	8.87	Peak	42.00	150	Horizontal	Pass
1**	2389.500	49.63	-0.70	54.0	4.37	AV	42.00	150	Horizontal	Pass
2	2389.950	61.89	-0.59	74.0	12.11	Peak	42.00	100	Horizontal	Pass
2**	2389.950	50.17	-0.59	54.0	3.83	AV	42.00	100	Horizontal	Pass

802.11g HIGH CHANNEL



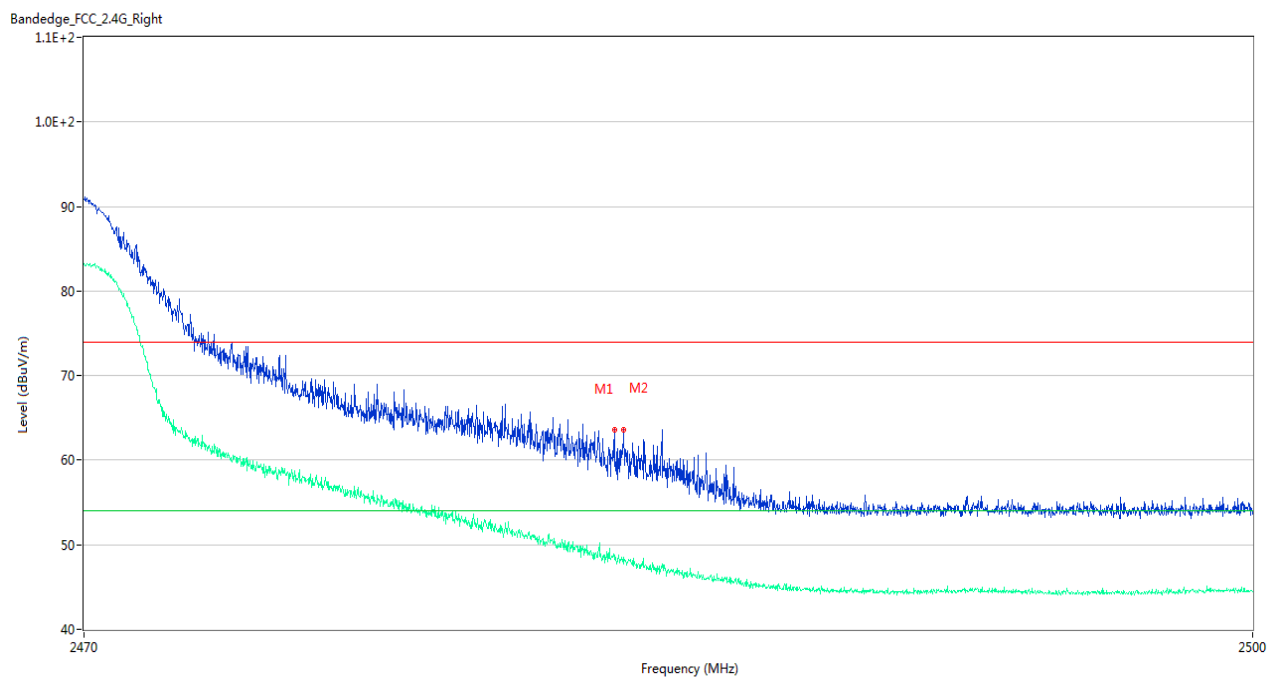
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	64.35	-0.20	74.0	9.65	Peak	137.00	200	Horizontal	Pass
1**	2483.560	50.38	-0.20	54.0	3.62	AV	137.00	200	Horizontal	Pass
2	2485.015	65.38	-0.06	74.0	8.62	Peak	130.00	150	Horizontal	Pass
2**	2485.015	49.11	-0.06	54.0	4.89	AV	130.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.750	67.15	-0.64	74.0	6.85	Peak	55.00	150	Horizontal	Pass
1**	2389.750	49.71	-0.64	54.0	4.29	AV	55.00	150	Horizontal	Pass
2	2389.950	63.58	-0.59	74.0	10.42	Peak	137.00	150	Horizontal	Pass
2**	2389.950	50.39	-0.59	54.0	3.61	AV	137.00	150	Horizontal	Pass

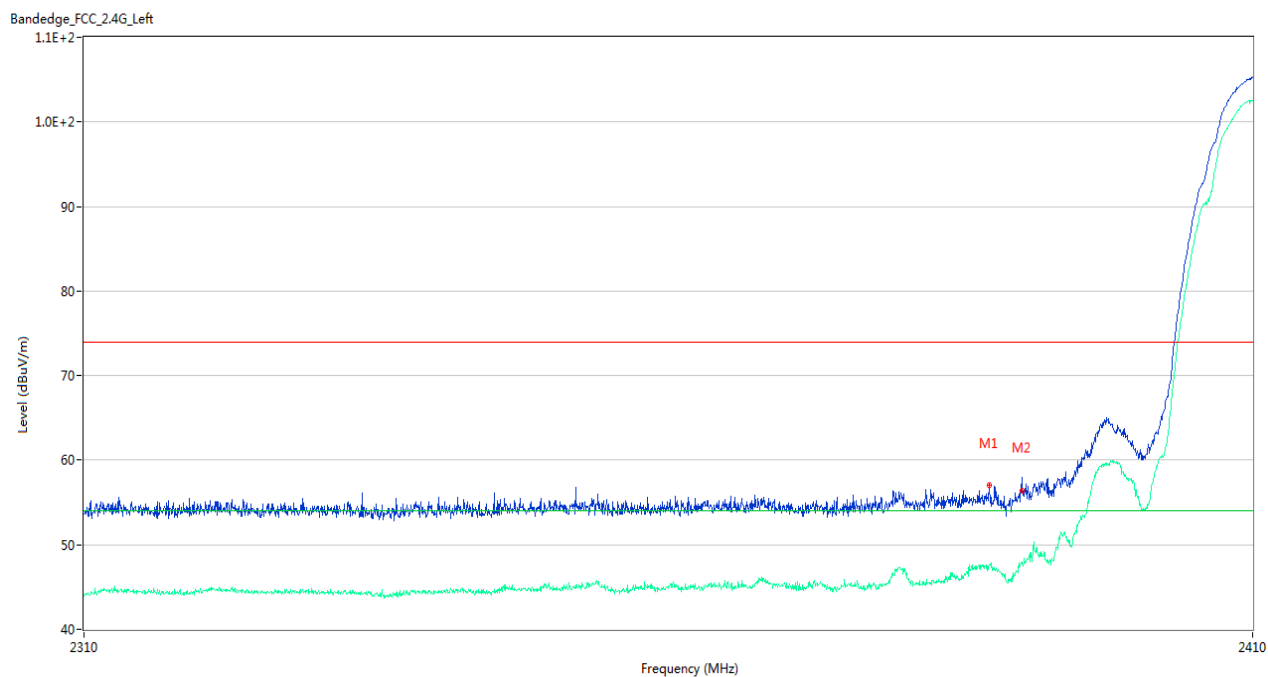
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	63.56	-0.20	74.0	10.44	Peak	133.00	100	Horizontal	Pass
1**	2483.575	48.21	-0.20	54.0	5.79	AV	133.00	100	Horizontal	Pass
2	2483.815	63.62	-0.19	74.0	10.38	Peak	73.00	200	Horizontal	Pass
2**	2483.815	47.71	-0.19	54.0	6.29	AV	73.00	200	Horizontal	Pass

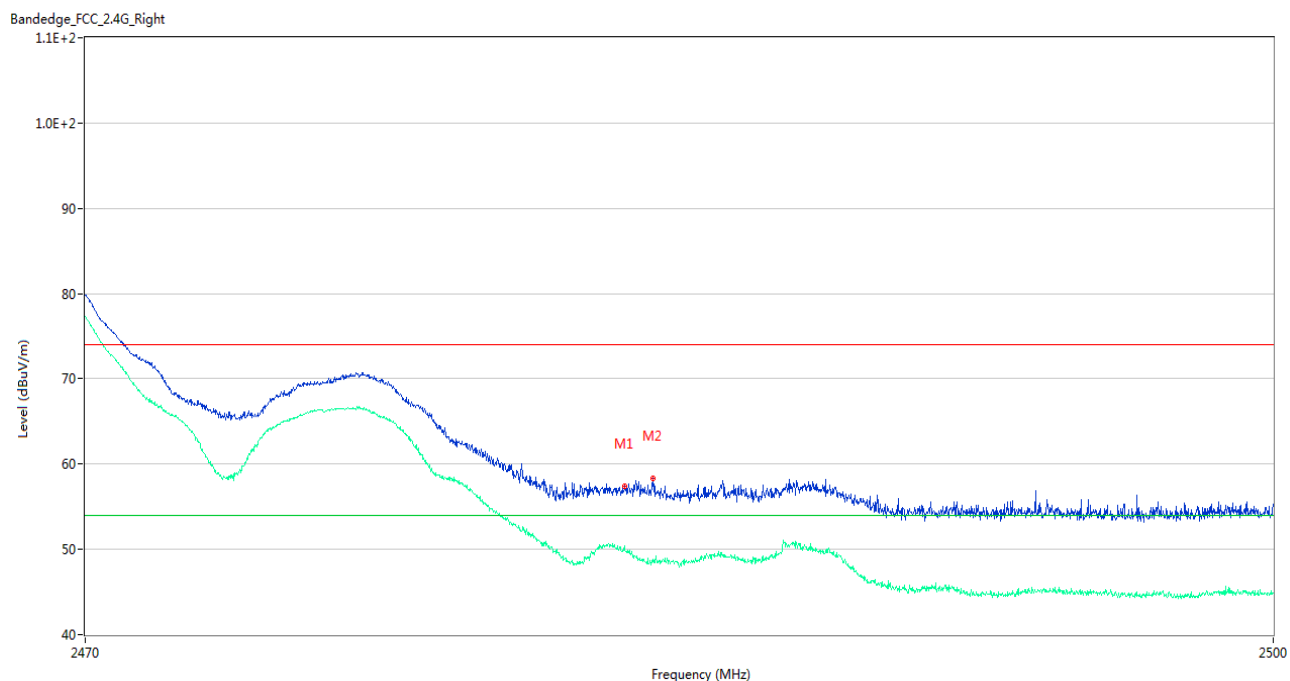
MIMO

802.11b LOW CHANNEL



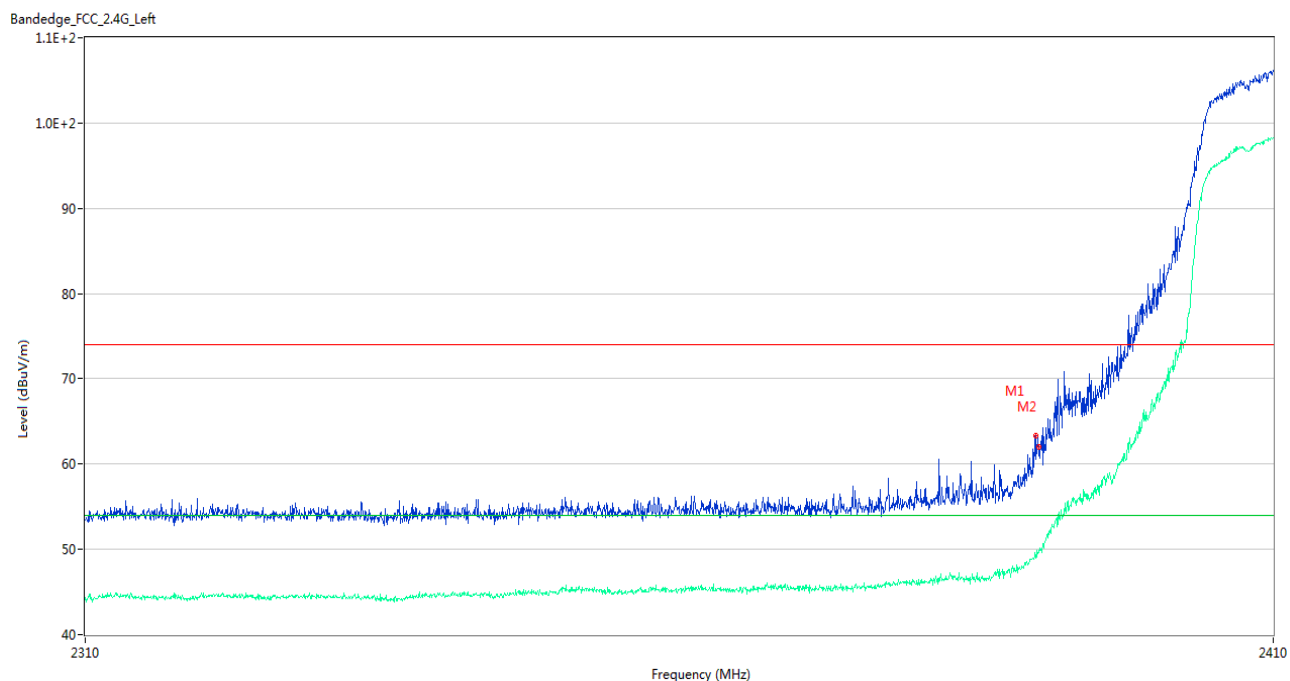
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.100	56.98	-0.55	74.0	17.02	Peak	287.00	200	Horizontal	Pass
1**	2387.100	47.59	-0.55	54.0	6.41	AV	287.00	200	Horizontal	Pass
2	2389.950	56.44	-0.59	74.0	17.56	Peak	289.00	150	Horizontal	Pass
2**	2389.950	47.98	-0.59	54.0	6.02	AV	289.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



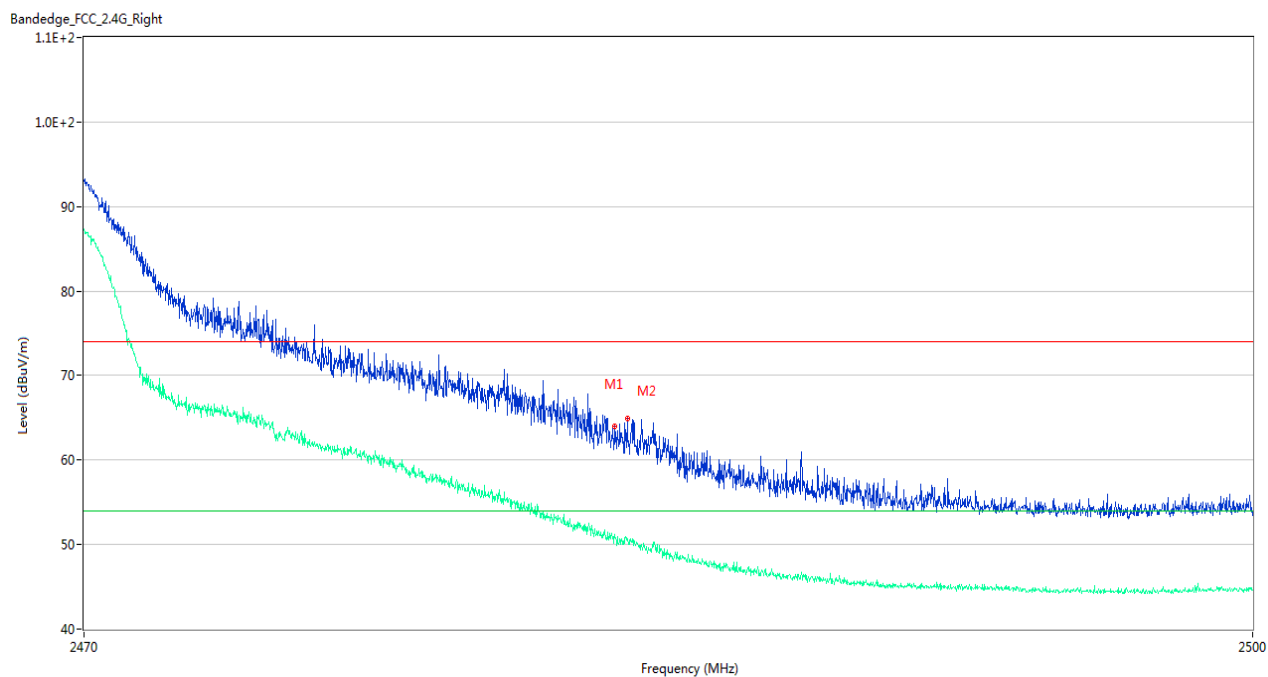
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	57.44	-0.20	74.0	16.56	Peak	266.00	150	Horizontal	Pass
1**	2483.590	49.97	-0.20	54.0	4.03	AV	266.00	150	Horizontal	Pass
2	2484.280	58.32	-0.15	74.0	15.68	Peak	64.00	100	Horizontal	Pass
2**	2484.280	48.84	-0.15	54.0	5.16	AV	64.00	100	Horizontal	Pass

802.11g LOW CHANNEL



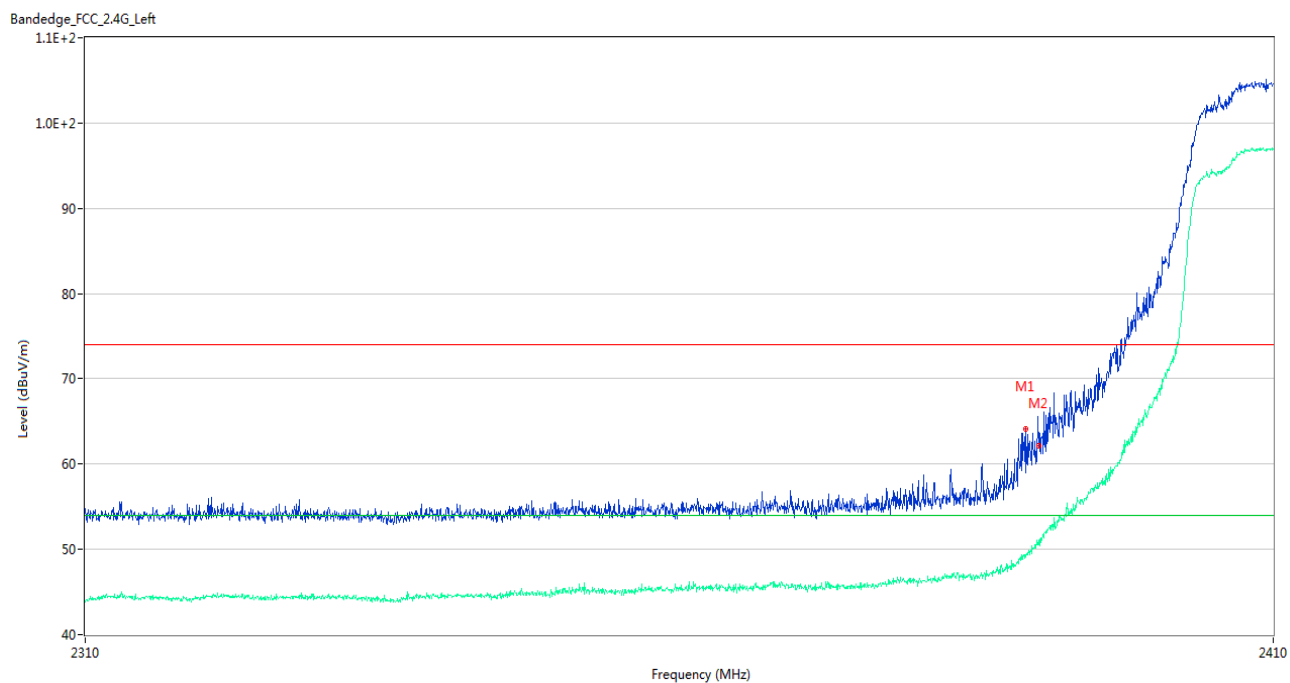
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.700	63.40	-0.65	74.0	10.60	Peak	280.00	150	Horizontal	Pass
1**	2389.700	49.39	-0.65	54.0	4.61	AV	280.00	150	Horizontal	Pass
2	2389.950	62.01	-0.59	74.0	11.99	Peak	266.00	200	Horizontal	Pass
2**	2389.950	49.56	-0.59	54.0	4.44	AV	266.00	200	Horizontal	Pass

802.11g HIGH CHANNEL



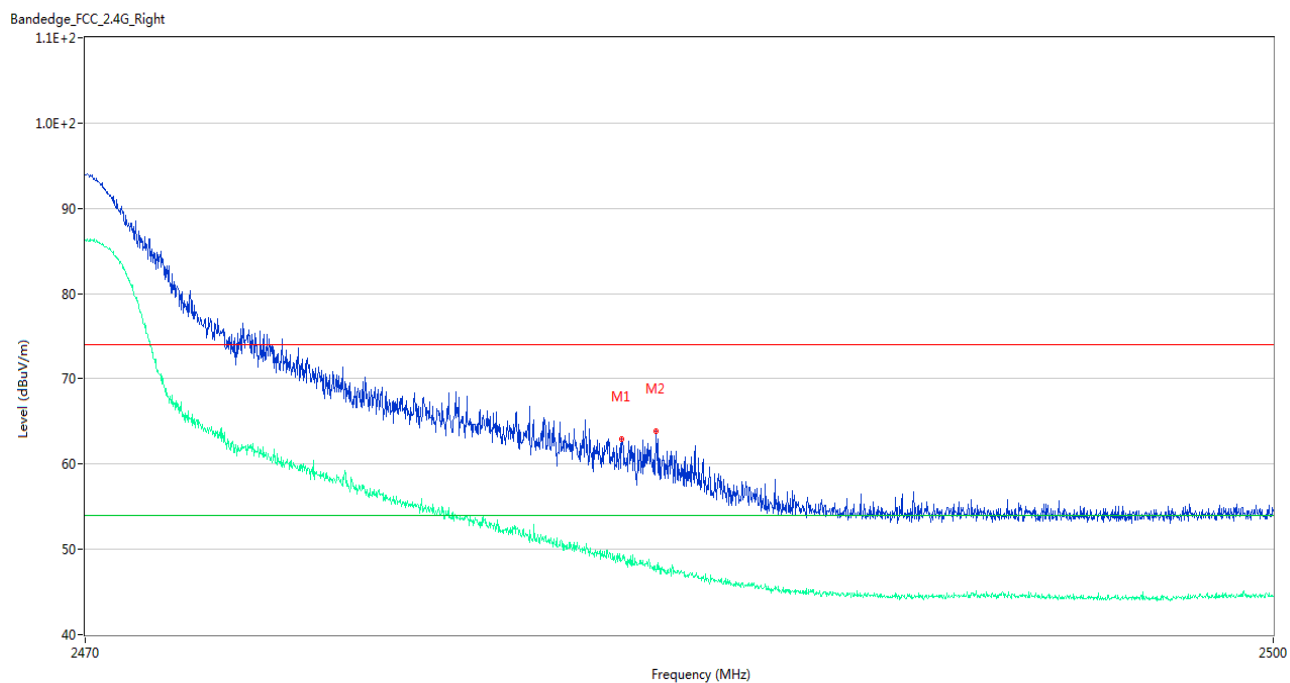
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	64.01	-0.20	74.0	9.99	Peak	51.00	150	Horizontal	Pass
1**	2483.590	50.81	-0.20	54.0	3.19	AV	51.00	150	Horizontal	Pass
2	2483.905	64.94	-0.18	74.0	9.06	Peak	62.00	100	Horizontal	Pass
2**	2483.905	50.40	-0.18	54.0	3.60	AV	62.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.850	64.12	-0.84	74.0	9.88	Peak	286.00	100	Horizontal	Pass
1**	2388.850	49.11	-0.84	54.0	4.89	AV	286.00	100	Horizontal	Pass
2	2389.950	62.11	-0.59	74.0	11.89	Peak	257.00	100	Horizontal	Pass
2**	2389.950	50.62	-0.59	54.0	3.38	AV	257.00	100	Horizontal	Pass

802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	62.89	-0.21	74.0	11.11	Peak	52.00	100	Horizontal	Pass
1**	2483.500	48.69	-0.21	54.0	5.31	AV	52.00	100	Horizontal	Pass
2	2484.370	63.92	-0.15	74.0	10.08	Peak	62.00	100	Horizontal	Pass
2**	2484.370	47.36	-0.15	54.0	6.64	AV	62.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.75	8
Middle	-16.16	8
High	-16.92	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.73	8
Middle	-19.56	8
High	-20.52	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.62	8
Middle	-20.14	8
High	-21.46	8

Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.72	8
Middle	-17.55	8
High	-23.29	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.43	8
Middle	-19.16	8
High	-29.46	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.39	8
Middle	-19.65	8
High	-31.30	8

MIMO-Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.23	8
Middle	-20.51	8
High	-22.29	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.41	8
Middle	-22.58	8
High	-29.52	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.79	8
Middle	-22.85	8
High	-31.30	8

MIMO-Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.54	8
Middle	-20.23	8
High	-21.35	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.52	8
Middle	-22.04	8
High	-28.76	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.49	8
Middle	-22.09	8
High	-30.16	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.37	8
Middle	-17.36	8
High	-18.78	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.91	8
Middle	-19.29	8
High	-26.12	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.12	8
Middle	-19.44	8
High	-27.68	8

Test Plots

Main Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



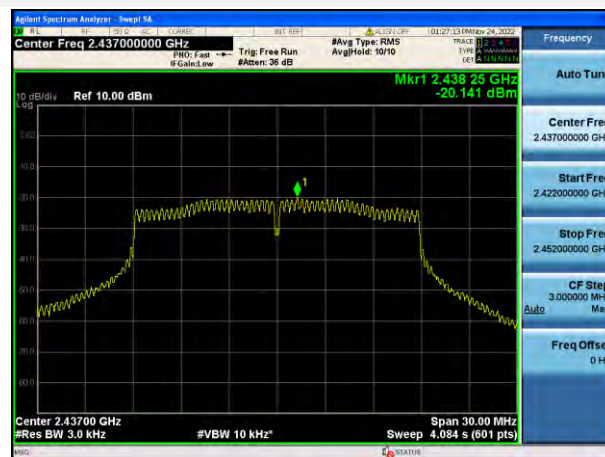
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



Aux. Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



MIMO-Main Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



MIMO-Aux. Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



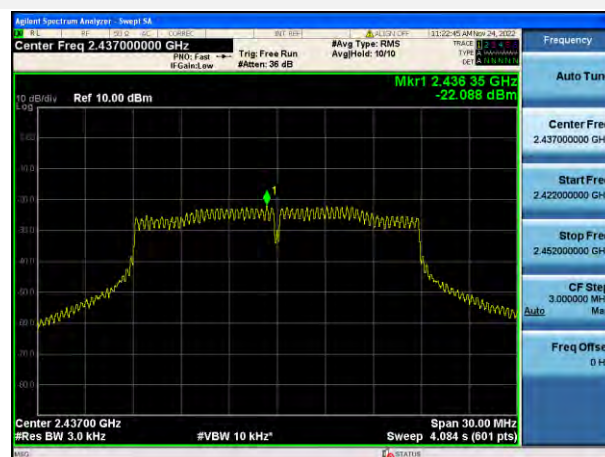
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ22B0401-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ22B0401-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ22B0401-AI.PDF”.

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--END OF REPORT--