

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	1200.000	52.52	-17.84	74.0	-21.48	Peak	91.00	150	Horizontal	Pass
1**	1200.000	45.52	-17.84	54.0	-8.48	AV	91.00	150	Horizontal	Pass
2	2430.700	103.77	-12.78	74.0	29.77	Peak	187.00	150	Horizontal	N/A
2**	2430.700	96.83	-12.78	54.0	42.83	AV	187.00	150	Horizontal	N/A
3	4874.600	51.96	-3.37	74.0	-22.04	Peak	62.00	150	Horizontal	Pass
3**	4874.600	47.28	-3.37	54.0	-6.72	AV	62.00	150	Horizontal	Pass
4	6616.000	54.84	0.07	74.0	-19.16	Peak	112.00	150	Horizontal	Pass
4**	6616.000	44.47	0.07	54.0	-9.53	AV	112.00	150	Horizontal	Pass
5	10446.838	52.21	-0.50	74.0	-21.79	Peak	126.00	150	Horizontal	Pass
5**	10446.838	41.63	-0.50	54.0	-12.37	AV	126.00	150	Horizontal	Pass
6	15854.588	56.58	1.20	74.0	-17.42	Peak	332.00	150	Horizontal	Pass
6**	15854.588	47.34	1.20	54.0	-6.66	AV	332.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1664.500	49.50	-17.51	74.0	-24.50	Peak	61.00	150	Vertical	Pass
1**	1664.500	31.55	-17.51	54.0	-22.45	AV	61.00	150	Vertical	Pass
2	2438.500	98.30	-12.61	74.0	24.30	Peak	171.00	150	Vertical	N/A
2**	2438.500	91.03	-12.61	54.0	37.03	AV	171.00	150	Vertical	N/A
3	4874.400	52.22	-3.36	74.0	-21.78	Peak	176.00	150	Vertical	Pass
3**	4874.400	44.87	-3.36	54.0	-9.13	AV	176.00	150	Vertical	Pass
4	6690.600	54.29	-0.28	74.0	-19.71	Peak	323.00	150	Vertical	Pass
4**	6690.600	44.64	-0.28	54.0	-9.36	AV	323.00	150	Vertical	Pass
5	9879.026	52.08	-0.91	74.0	-21.92	Peak	0.00	150	Vertical	Pass
5**	9879.026	42.43	-0.91	54.0	-11.57	AV	0.00	150	Vertical	Pass
6	15510.187	55.50	1.44	74.0	-18.50	Peak	295.00	150	Vertical	Pass
6**	15510.187	46.37	1.44	54.0	-7.63	AV	295.00	150	Vertical	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.900	52.66	-17.84	74.0	-21.34	Peak	91.00	150	Horizontal	Pass
1**	1199.900	45.15	-17.84	54.0	-8.85	AV	91.00	150	Horizontal	Pass
2	2456.600	105.38	-12.74	74.0	31.38	Peak	186.00	150	Horizontal	N/A
2**	2456.600	97.84	-12.74	54.0	43.84	AV	186.00	150	Horizontal	N/A
3	4924.600	52.39	-2.64	74.0	-21.61	Peak	79.00	150	Horizontal	Pass
3**	4924.600	46.75	-2.64	54.0	-7.25	AV	79.00	150	Horizontal	Pass
4	6983.800	54.91	0.68	74.0	-19.09	Peak	280.00	150	Horizontal	Pass
4**	6983.800	44.29	0.68	54.0	-9.71	AV	280.00	150	Horizontal	Pass
5	9818.075	52.21	0.01	74.0	-21.79	Peak	204.00	150	Horizontal	Pass
5**	9818.075	42.86	0.01	54.0	-11.14	AV	204.00	150	Horizontal	Pass
6	15633.299	56.10	1.60	74.0	-17.90	Peak	22.00	150	Horizontal	Pass
6**	15633.299	46.69	1.60	54.0	-7.31	AV	22.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1630.600	50.11	-17.57	74.0	-23.89	Peak	37.00	150	Vertical	Pass
1**	1630.600	36.95	-17.57	54.0	-17.05	AV	37.00	150	Vertical	Pass
2	2458.600	97.13	-12.75	74.0	23.13	Peak	281.00	150	Vertical	N/A
2**	2458.600	89.43	-12.75	54.0	35.43	AV	281.00	150	Vertical	N/A
3	4924.000	51.08	-2.59	74.0	-22.92	Peak	186.00	150	Vertical	Pass
3**	4924.000	44.14	-2.59	54.0	-9.86	AV	186.00	150	Vertical	Pass
4	6985.400	53.74	0.52	74.0	-20.26	Peak	168.00	150	Vertical	Pass
4**	6985.400	45.10	0.52	54.0	-8.90	AV	168.00	150	Vertical	Pass
5	10339.888	51.90	0.09	74.0	-22.10	Peak	190.00	150	Vertical	Pass
5**	10339.888	43.11	0.09	54.0	-10.89	AV	190.00	150	Vertical	Pass
6	15248.737	56.79	0.80	74.0	-17.21	Peak	270.00	150	Vertical	Pass
6**	15248.737	46.69	0.80	54.0	-7.31	AV	270.00	150	Vertical	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.800	52.52	-17.84	74.0	-21.48	Peak	99.00	150	Horizontal	Pass
1**	1199.800	45.77	-17.84	54.0	-8.23	AV	99.00	150	Horizontal	Pass
2	2418.600	101.62	-12.26	74.0	27.62	Peak	310.00	150	Horizontal	N/A
2**	2418.600	94.56	-12.26	54.0	40.56	AV	310.00	150	Horizontal	N/A
3	4824.400	52.35	-3.40	74.0	-21.65	Peak	48.00	150	Horizontal	Pass
3**	4824.400	46.86	-3.40	54.0	-7.14	AV	48.00	150	Horizontal	Pass
4	6686.200	53.72	-0.20	74.0	-20.28	Peak	360.00	150	Horizontal	Pass
4**	6686.200	45.65	-0.20	54.0	-8.35	AV	360.00	150	Horizontal	Pass
5	10199.012	52.42	0.48	74.0	-21.58	Peak	324.00	150	Horizontal	Pass
5**	10199.012	44.01	0.48	54.0	-9.99	AV	324.00	150	Horizontal	Pass
6	16129.688	56.11	1.00	74.0	-17.89	Peak	310.00	150	Horizontal	Pass
6**	16129.688	46.57	1.00	54.0	-7.43	AV	310.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1632.500	50.50	-17.60	74.0	-23.50	Peak	48.00	150	Vertical	Pass
1**	1632.500	34.34	-17.60	54.0	-19.66	AV	48.00	150	Vertical	Pass
2	2406.600	93.59	-12.31	74.0	19.59	Peak	311.00	150	Vertical	N/A
2**	2406.600	86.58	-12.31	54.0	32.58	AV	311.00	150	Vertical	N/A
3	4812.400	51.41	-3.05	74.0	-22.59	Peak	48.00	150	Vertical	Pass
3**	4812.400	41.87	-3.05	54.0	-12.13	AV	48.00	150	Vertical	Pass
4	6678.600	54.88	-0.55	74.0	-19.12	Peak	65.00	150	Vertical	Pass
4**	6678.600	44.81	-0.55	54.0	-9.19	AV	65.00	150	Vertical	Pass
5	11059.787	52.42	-0.88	74.0	-21.58	Peak	186.00	150	Vertical	Pass
5**	11059.787	42.95	-0.88	54.0	-11.05	AV	186.00	150	Vertical	Pass
6	16085.850	56.35	1.51	74.0	-17.65	Peak	362.00	150	Vertical	Pass
6**	16085.850	46.99	1.51	54.0	-7.01	AV	362.00	150	Vertical	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.300	52.60	-17.85	74.0	-21.40	Peak	95.00	150	Horizontal	Pass
1**	1200.300	44.42	-17.85	54.0	-9.58	AV	95.00	150	Horizontal	Pass
2	2432.300	101.77	-12.84	74.0	27.77	Peak	180.00	150	Horizontal	N/A
2**	2432.300	94.21	-12.84	54.0	40.21	AV	180.00	150	Horizontal	N/A
3	4874.400	51.73	-3.36	74.0	-22.27	Peak	100.00	150	Horizontal	Pass
3**	4874.400	47.13	-3.36	54.0	-6.87	AV	100.00	150	Horizontal	Pass
4	6693.400	54.18	-0.32	74.0	-19.82	Peak	239.00	150	Horizontal	Pass
4**	6693.400	44.76	-0.32	54.0	-9.24	AV	239.00	150	Horizontal	Pass
5	9889.662	52.30	-0.99	74.0	-21.70	Peak	163.00	150	Horizontal	Pass
5**	9889.662	42.15	-0.99	54.0	-11.85	AV	163.00	150	Horizontal	Pass
6	15287.063	56.00	0.77	74.0	-18.00	Peak	178.00	150	Horizontal	Pass
6**	15287.063	46.37	0.77	54.0	-7.63	AV	178.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1628.200	50.39	-17.65	74.0	-23.61	Peak	53.00	150	Vertical	Pass
1**	1628.200	34.78	-17.65	54.0	-19.22	AV	53.00	150	Vertical	Pass
2	2432.000	95.97	-12.82	74.0	21.97	Peak	153.00	150	Vertical	N/A
2**	2432.000	88.44	-12.82	54.0	34.44	AV	153.00	150	Vertical	N/A
3	4810.600	51.51	-3.00	74.0	-22.49	Peak	136.00	150	Vertical	Pass
3**	4810.600	41.90	-3.00	54.0	-12.10	AV	136.00	150	Vertical	Pass
4	6686.800	54.17	-0.22	74.0	-19.83	Peak	257.00	150	Vertical	Pass
4**	6686.800	45.26	-0.22	54.0	-8.74	AV	257.00	150	Vertical	Pass
5	10195.276	52.45	0.43	74.0	-21.55	Peak	2.00	150	Vertical	Pass
5**	10195.276	43.39	0.43	54.0	-10.61	AV	2.00	150	Vertical	Pass
6	15845.662	56.17	1.36	74.0	-17.83	Peak	342.00	150	Vertical	Pass
6**	15845.662	47.52	1.36	54.0	-6.48	AV	342.00	150	Vertical	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.900	52.49	-17.84	74.0	-21.51	Peak	101.00	150	Horizontal	Pass
1**	1199.900	44.50	-17.84	54.0	-9.50	AV	101.00	150	Horizontal	Pass
2	2456.800	103.58	-12.74	74.0	29.58	Peak	188.00	150	Horizontal	N/A
2**	2456.800	96.44	-12.74	54.0	42.44	AV	188.00	150	Horizontal	N/A
3	4924.400	52.10	-2.62	74.0	-21.90	Peak	103.00	150	Horizontal	Pass
3**	4924.400	45.60	-2.62	54.0	-8.40	AV	103.00	150	Horizontal	Pass
4	6686.000	54.30	-0.20	74.0	-19.70	Peak	122.00	150	Horizontal	Pass
4**	6686.000	44.74	-0.20	54.0	-9.26	AV	122.00	150	Horizontal	Pass
5	9750.513	52.50	-0.43	74.0	-21.50	Peak	180.00	150	Horizontal	Pass
5**	9750.513	42.62	-0.43	54.0	-11.38	AV	180.00	150	Horizontal	Pass
6	16111.313	56.86	0.74	74.0	-17.14	Peak	246.00	150	Horizontal	Pass
6**	16111.313	46.97	0.74	54.0	-7.03	AV	246.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.600	50.51	-17.46	74.0	-23.49	Peak	37.00	150	Vertical	Pass
1**	1593.600	35.93	-17.46	54.0	-18.07	AV	37.00	150	Vertical	Pass
2	2455.700	93.87	-12.70	74.0	19.87	Peak	123.00	150	Vertical	N/A
2**	2455.700	86.33	-12.70	54.0	32.33	AV	123.00	150	Vertical	N/A
3	4902.800	51.65	-2.67	74.0	-22.35	Peak	87.00	150	Vertical	Pass
3**	4902.800	42.25	-2.67	54.0	-11.75	AV	87.00	150	Vertical	Pass
4	6678.200	54.94	-0.56	74.0	-19.06	Peak	32.00	150	Vertical	Pass
4**	6678.200	45.21	-0.56	54.0	-8.79	AV	32.00	150	Vertical	Pass
5	9819.225	51.77	0.03	74.0	-22.23	Peak	265.00	150	Vertical	Pass
5**	9819.225	42.87	0.03	54.0	-11.13	AV	265.00	150	Vertical	Pass
6	15302.813	56.13	0.55	74.0	-17.87	Peak	25.00	150	Vertical	Pass
6**	15302.813	46.40	0.55	54.0	-7.60	AV	25.00	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	1199.500	52.38	-17.83	74.0	-21.62	Peak	102.00	150	Horizontal	Pass
1**	1199.500	45.11	-17.83	54.0	-8.89	AV	102.00	150	Horizontal	Pass
2	2406.100	99.65	-12.32	74.0	25.65	Peak	312.00	150	Horizontal	N/A
2**	2406.100	91.98	-12.32	54.0	37.98	AV	312.00	150	Horizontal	N/A
3	4844.200	52.15	-3.45	74.0	-21.85	Peak	70.00	150	Horizontal	Pass
3**	4844.200	46.54	-3.45	54.0	-7.46	AV	70.00	150	Horizontal	Pass
4	6691.400	54.45	-0.30	74.0	-19.55	Peak	162.00	150	Horizontal	Pass
4**	6691.400	46.44	-0.30	54.0	-7.56	AV	162.00	150	Horizontal	Pass
5	10204.474	52.10	0.35	74.0	-21.90	Peak	360.00	150	Horizontal	Pass
5**	10204.474	42.87	0.35	54.0	-11.13	AV	360.00	150	Horizontal	Pass
6	16258.312	56.34	1.25	74.0	-17.66	Peak	362.00	150	Horizontal	Pass
6**	16258.312	46.68	1.25	54.0	-7.32	AV	362.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.800	51.77	-17.71	74.0	-22.23	Peak	45.00	150	Vertical	Pass
1**	1623.800	38.49	-17.71	54.0	-15.51	AV	45.00	150	Vertical	Pass
2	2406.900	91.74	-12.31	74.0	17.74	Peak	309.00	150	Vertical	N/A
2**	2406.900	84.08	-12.31	54.0	30.08	AV	309.00	150	Vertical	N/A
3	4891.600	51.42	-3.26	74.0	-22.58	Peak	144.00	150	Vertical	Pass
3**	4891.600	42.51	-3.26	54.0	-11.49	AV	144.00	150	Vertical	Pass
4	6680.800	53.66	-0.52	74.0	-20.34	Peak	106.00	150	Vertical	Pass
4**	6680.800	45.01	-0.52	54.0	-8.99	AV	106.00	150	Vertical	Pass
5	10375.537	52.09	0.18	74.0	-21.91	Peak	67.00	150	Vertical	Pass
5**	10375.537	42.71	0.18	54.0	-11.29	AV	67.00	150	Vertical	Pass
6	16429.463	56.77	1.13	74.0	-17.23	Peak	89.00	150	Vertical	Pass
6**	16429.463	46.85	1.13	54.0	-7.15	AV	89.00	150	Vertical	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	52.52	-17.86	74.0	-21.48	Peak	91.00	150	Horizontal	Pass
1**	1200.500	45.76	-17.86	54.0	-8.24	AV	91.00	150	Horizontal	Pass
2	2453.600	99.65	-12.67	74.0	25.65	Peak	182.00	150	Horizontal	N/A
2**	2453.600	92.19	-12.67	54.0	38.19	AV	182.00	150	Horizontal	N/A
3	4882.400	51.72	-3.40	74.0	-22.28	Peak	34.00	150	Horizontal	Pass
3**	4882.400	41.73	-3.40	54.0	-12.27	AV	34.00	150	Horizontal	Pass
4	6976.200	52.79	0.77	74.0	-21.21	Peak	15.00	150	Horizontal	Pass
4**	6976.200	44.67	0.77	54.0	-9.33	AV	15.00	150	Horizontal	Pass
5	10197.000	52.28	0.45	74.0	-21.72	Peak	283.00	150	Horizontal	Pass
5**	10197.000	44.89	0.45	54.0	-9.11	AV	283.00	150	Horizontal	Pass
6	16090.575	56.18	1.42	74.0	-17.82	Peak	310.00	150	Horizontal	Pass
6**	16090.575	47.01	1.42	54.0	-6.99	AV	310.00	150	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1677.900	48.95	-17.47	74.0	-25.05	Peak	38.00	150	Vertical	Pass
1**	1677.900	32.15	-17.47	54.0	-21.85	AV	38.00	150	Vertical	Pass
2	2422.900	91.55	-12.65	74.0	17.55	Peak	166.00	150	Vertical	N/A
2**	2422.900	84.46	-12.65	54.0	30.46	AV	166.00	150	Vertical	N/A
3	4874.000	51.80	-3.34	74.0	-22.20	Peak	0.00	150	Vertical	Pass
3**	4874.000	44.24	-3.34	54.0	-9.76	AV	0.00	150	Vertical	Pass
4	6999.200	53.88	0.24	74.0	-20.12	Peak	274.00	150	Vertical	Pass
4**	6999.200	44.50	0.24	54.0	-9.50	AV	274.00	150	Vertical	Pass
5	10205.050	52.24	0.33	74.0	-21.76	Peak	341.00	150	Vertical	Pass
5**	10205.050	43.16	0.33	54.0	-10.84	AV	341.00	150	Vertical	Pass
6	15257.400	56.54	0.39	74.0	-17.46	Peak	362.00	150	Vertical	Pass
6**	15257.400	46.47	0.39	54.0	-7.53	AV	362.00	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	1200.500	52.45	-17.86	74.0	-21.55	Peak	89.00	150	Horizontal	Pass
1**	1200.500	45.27	-17.86	54.0	-8.73	AV	89.00	150	Horizontal	Pass
2	2465.600	99.77	-12.71	74.0	25.77	Peak	308.00	150	Horizontal	N/A
2**	2465.600	92.52	-12.71	54.0	38.52	AV	308.00	150	Horizontal	N/A
3	4890.600	51.07	-3.22	74.0	-22.93	Peak	279.00	150	Horizontal	Pass
3**	4890.600	42.78	-3.22	54.0	-11.22	AV	279.00	150	Horizontal	Pass
4	6614.600	54.13	0.18	74.0	-19.87	Peak	91.00	150	Horizontal	Pass
4**	6614.600	44.54	0.18	54.0	-9.46	AV	91.00	150	Horizontal	Pass
5	9673.750	51.42	0.02	74.0	-22.58	Peak	0.00	150	Horizontal	Pass
5**	9673.750	41.28	0.02	54.0	-12.72	AV	0.00	150	Horizontal	Pass
6	15814.162	56.02	2.08	74.0	-17.98	Peak	87.00	150	Horizontal	Pass
6**	15814.162	47.07	2.08	54.0	-6.93	AV	87.00	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	1604.300	50.87	-17.59	74.0	-23.13	Peak	45.00	150	Vertical	Pass
1**	1604.300	31.43	-17.59	54.0	-22.57	AV	45.00	150	Vertical	Pass
2	2468.100	91.45	-12.61	74.0	17.45	Peak	270.00	150	Vertical	N/A
2**	2468.100	83.81	-12.61	54.0	29.81	AV	270.00	150	Vertical	N/A
3	4904.200	51.61	-2.59	74.0	-22.39	Peak	360.00	150	Vertical	Pass
3**	4904.200	44.06	-2.59	54.0	-9.94	AV	360.00	150	Vertical	Pass
4	6684.000	54.50	-0.32	74.0	-19.50	Peak	73.00	150	Vertical	Pass
4**	6684.000	45.00	-0.32	54.0	-9.00	AV	73.00	150	Vertical	Pass
5	9698.187	52.03	0.05	74.0	-21.97	Peak	142.00	150	Vertical	Pass
5**	9698.187	42.25	0.05	54.0	-11.75	AV	142.00	150	Vertical	Pass
6	15836.213	56.66	1.45	74.0	-17.34	Peak	361.00	150	Vertical	Pass
6**	15836.213	47.32	1.45	54.0	-6.68	AV	361.00	150	Vertical	Pass

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

Test Data

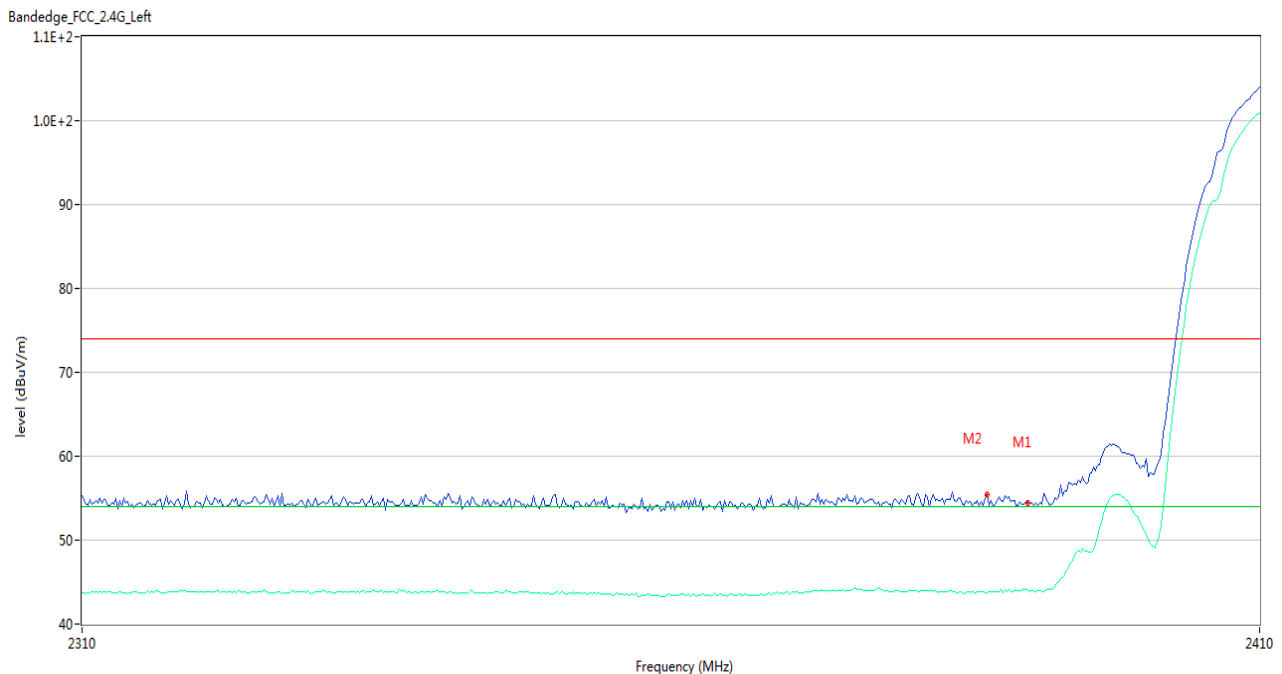
Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note²: 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.

Note³: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

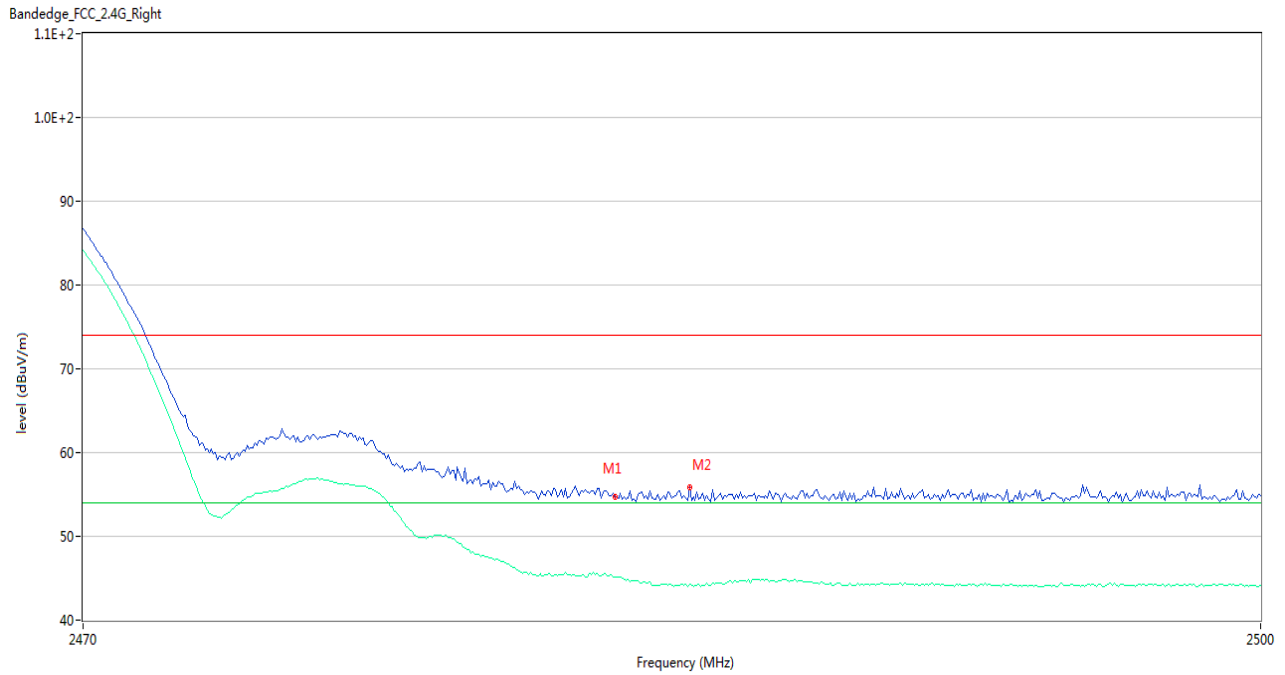
Main Antenna

802.11b LOW CHANNEL



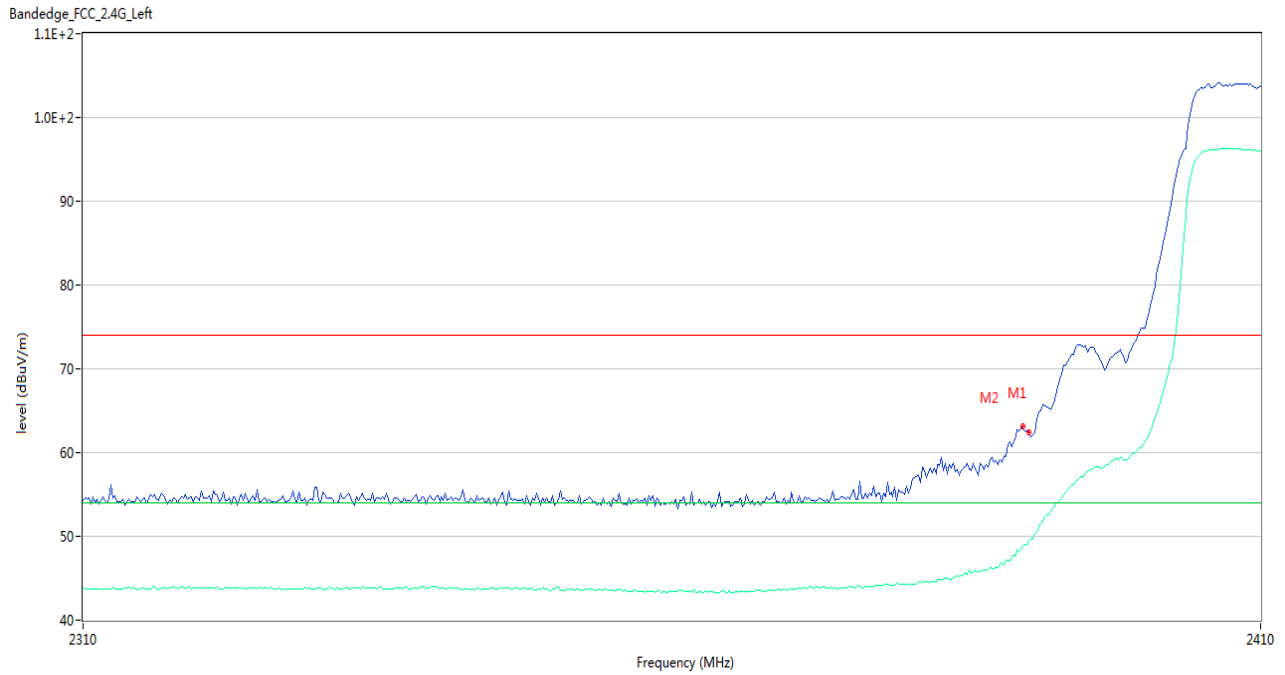
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.46	-0.50	74.0	-19.54	Peak	302.00	150	Horizontal	Pass
1**	2390.000	44.00	-0.50	54.0	-10.00	AV	302.00	150	Horizontal	Pass
2	2386.500	55.48	-0.56	74.0	-18.52	Peak	304.00	150	Horizontal	Pass
2**	2386.500	43.76	-0.56	54.0	-10.24	AV	304.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



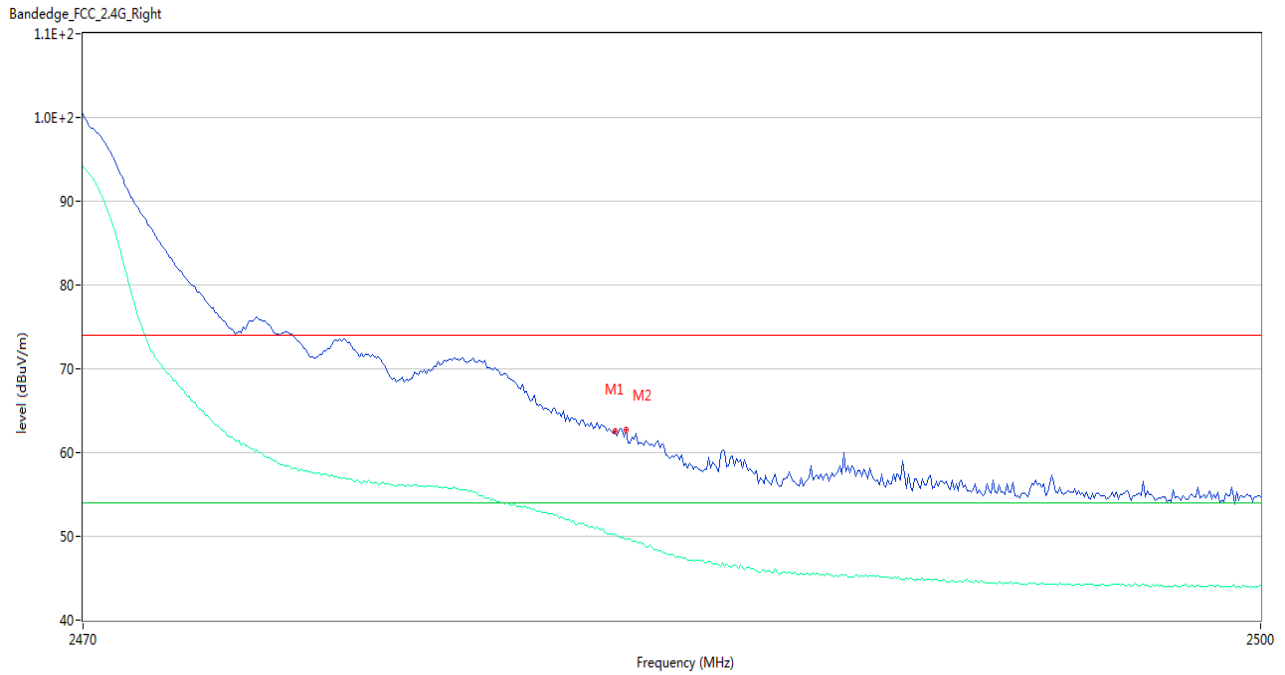
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.75	-0.36	74.0	-19.25	Peak	141.00	150	Horizontal	Pass
1**	2483.500	45.16	-0.36	54.0	-8.84	AV	141.00	150	Horizontal	Pass
2	2485.400	55.86	-0.34	74.0	-18.14	Peak	359.00	150	Horizontal	Pass
2**	2485.400	44.27	-0.34	54.0	-9.73	AV	359.00	150	Horizontal	Pass

802.11g LOW CHANNEL



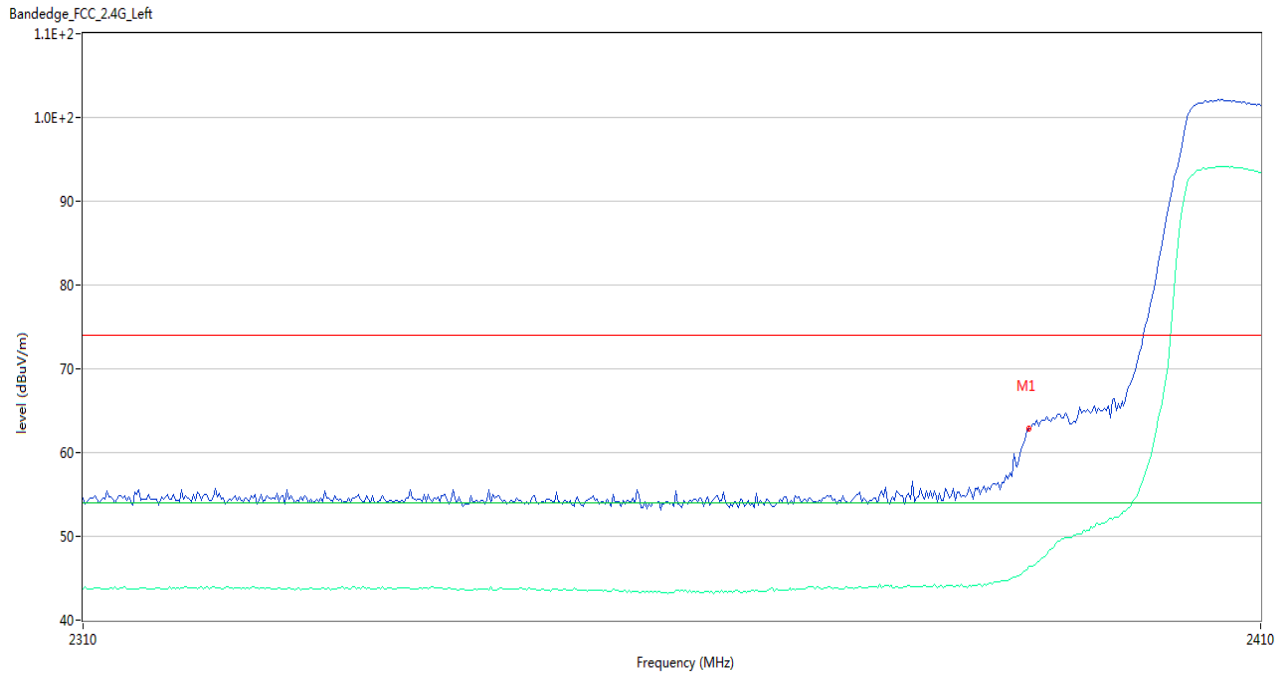
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.43	-0.50	74.0	-11.57	Peak	303.00	150	Horizontal	Pass
1**	2390.000	49.47	-0.50	54.0	-4.53	AV	303.00	150	Horizontal	Pass
2	2389.500	63.21	-0.49	74.0	-10.79	Peak	312.00	150	Horizontal	Pass
2**	2389.500	48.85	-0.49	54.0	-5.15	AV	312.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	62.58	-0.36	74.0	-11.42	Peak	187.00	150	Horizontal	Pass
1**	2483.500	50.34	-0.36	54.0	-3.66	AV	187.00	150	Horizontal	Pass
2	2483.800	62.66	-0.35	74.0	-11.34	Peak	187.00	150	Horizontal	Pass
2**	2483.800	49.59	-0.35	54.0	-4.41	AV	187.00	150	Horizontal	Pass

802.11n-20 LOW CHANNEL



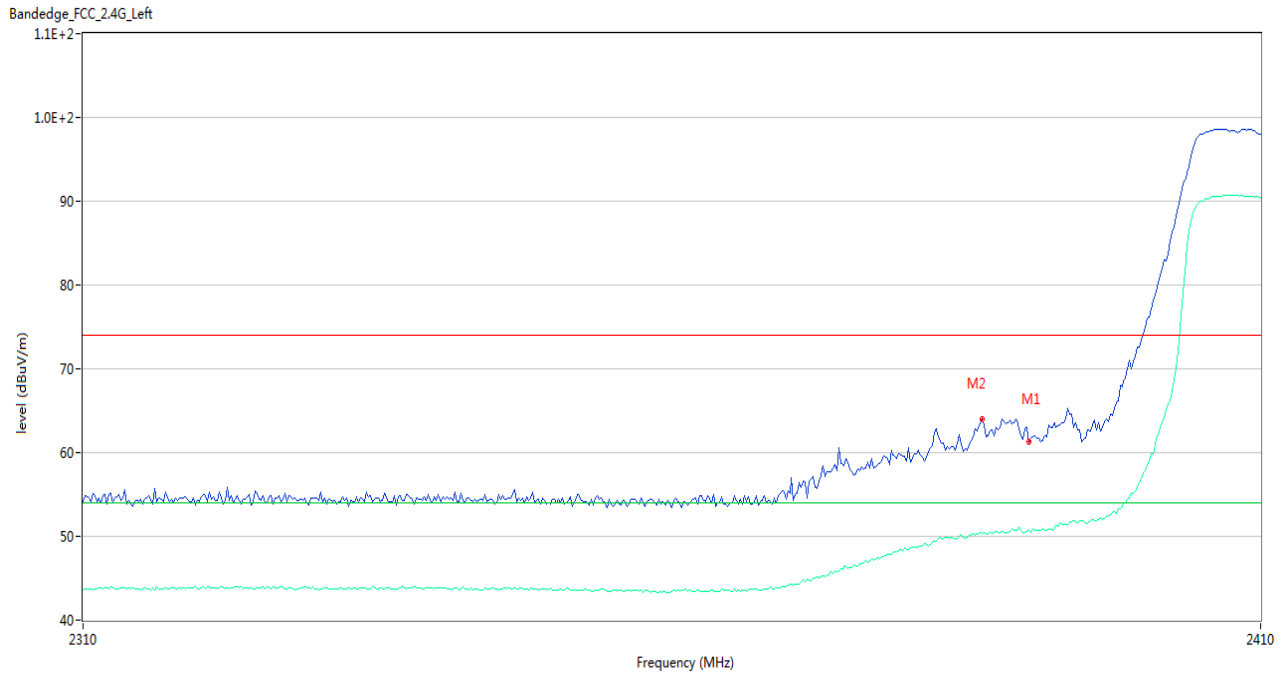
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.88	-0.50	74.0	-11.12	Peak	353.00	150	Horizontal	Pass
1**	2390.000	46.38	-0.50	54.0	-7.62	AV	353.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.96	-0.36	74.0	-7.04	Peak	331.00	150	Horizontal	Pass
1**	2483.500	50.05	-0.36	54.0	-3.95	AV	331.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	61.29	-0.50	74.0	-12.71	Peak	345.00	150	Horizontal	Pass
1**	2390.000	50.73	-0.50	54.0	-3.27	AV	345.00	150	Horizontal	Pass
2	2386.000	63.94	-0.59	74.0	-10.06	Peak	360.00	150	Horizontal	Pass
2**	2386.000	50.34	-0.59	54.0	-3.66	AV	360.00	150	Horizontal	Pass

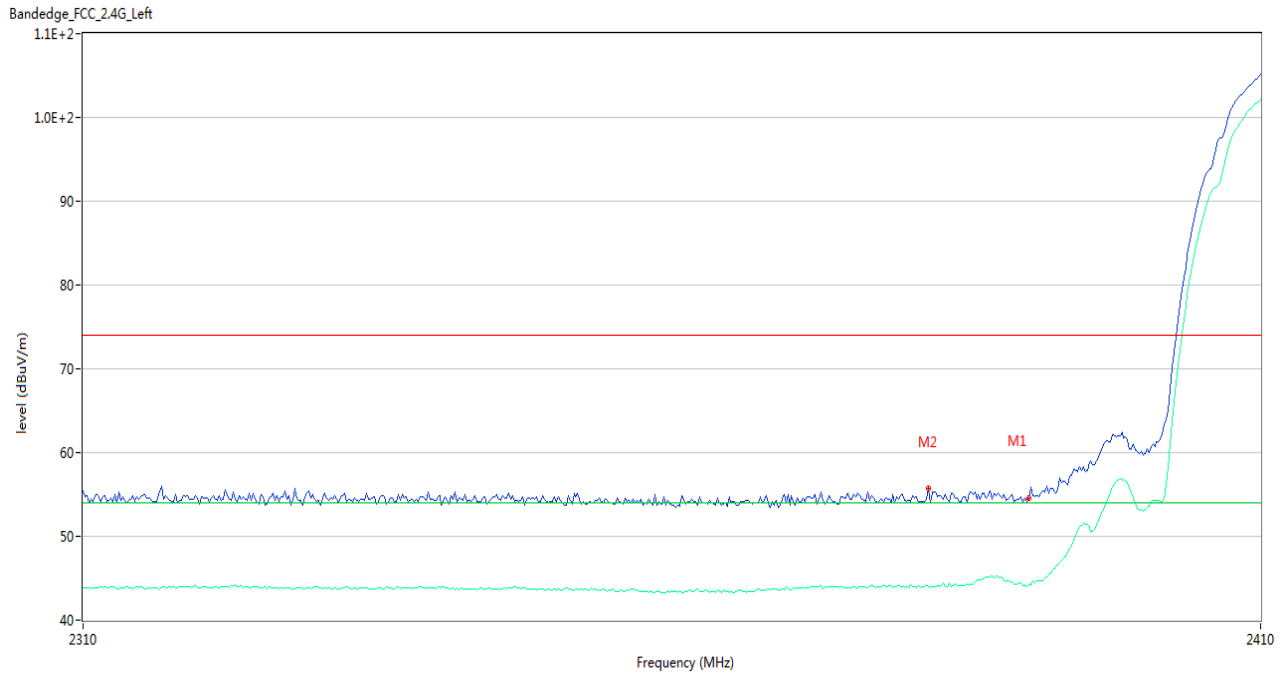
802.11n-40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.94	-0.36	74.0	-9.06	Peak	331.00	150	Horizontal	Pass
1**	2483.500	49.30	-0.36	54.0	-4.70	AV	331.00	150	Horizontal	Pass
2	2488.150	65.42	-0.25	74.0	-8.58	Peak	331.00	150	Horizontal	Pass
2**	2488.150	48.17	-0.25	54.0	-5.83	AV	331.00	150	Horizontal	Pass

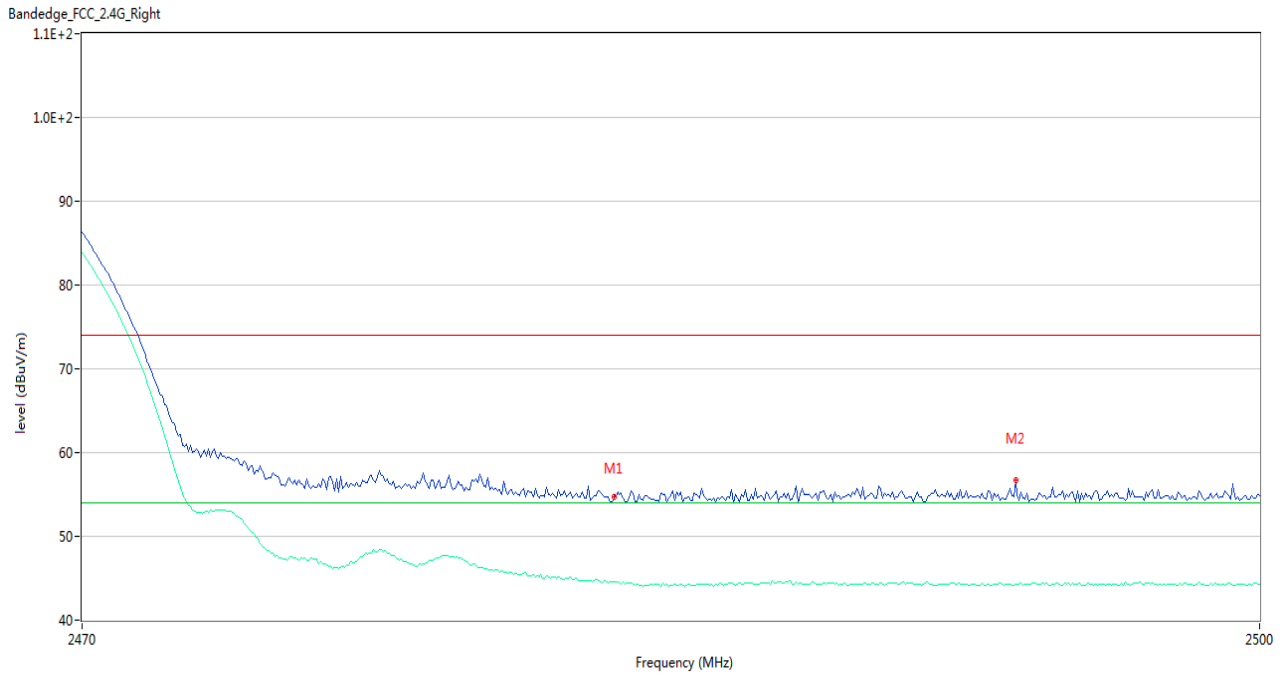
Aux. Antenna

802.11b LOW CHANNEL



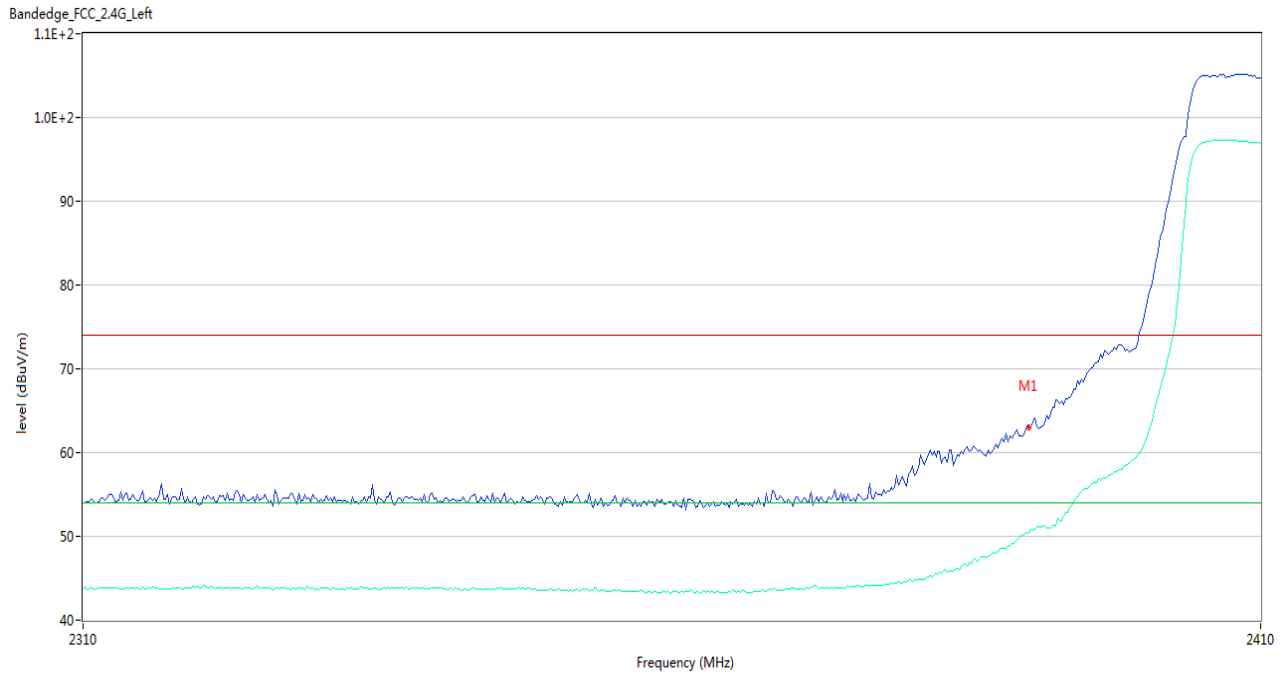
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.04	-0.50	74.0	-19.96	Peak	34.00	150	Horizontal	Pass
1**	2390.000	44.24	-0.50	54.0	-9.76	AV	34.00	150	Horizontal	Pass
2	2381.333	55.68	-0.58	74.0	-18.32	Peak	0.00	150	Horizontal	Pass
2**	2381.333	44.03	-0.58	54.0	-9.97	AV	0.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



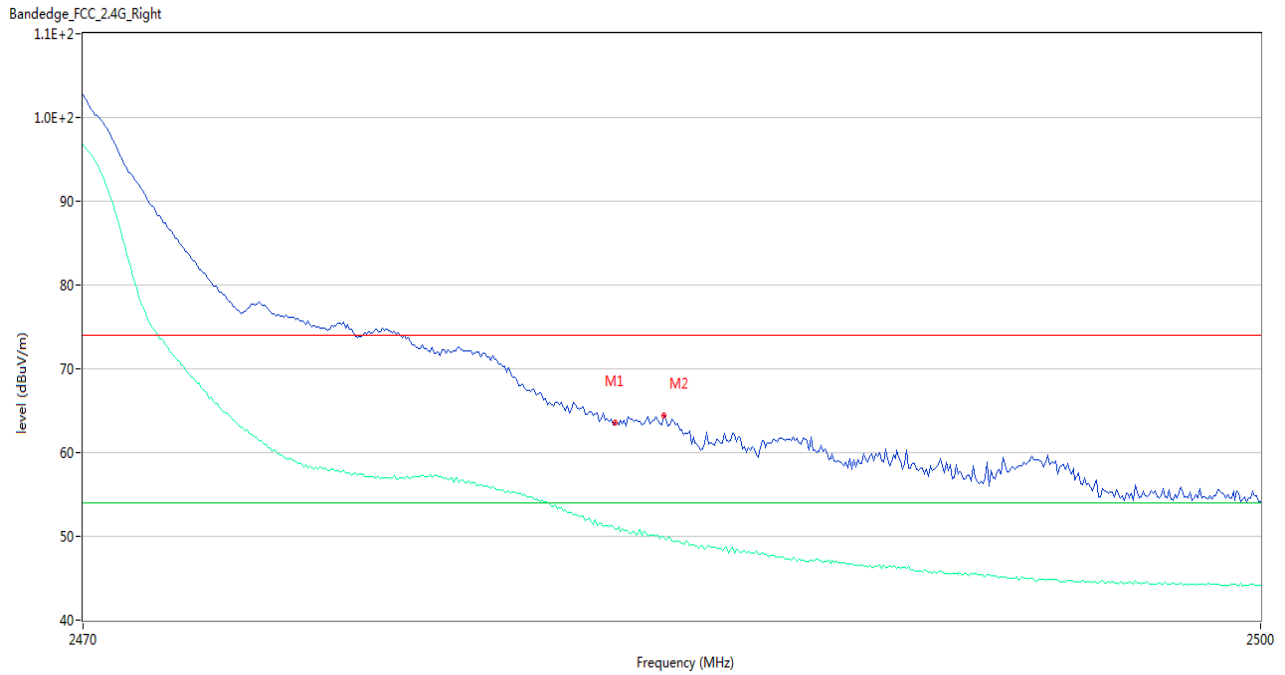
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.73	-0.36	74.0	-19.27	Peak	349.00	150	Horizontal	Pass
1**	2483.500	44.58	-0.36	54.0	-9.42	AV	349.00	150	Horizontal	Pass
2	2493.750	56.78	-0.05	74.0	-17.22	Peak	36.00	150	Horizontal	Pass
2**	2493.750	44.27	-0.05	54.0	-9.73	AV	36.00	150	Horizontal	Pass

802.11g LOW CHANNEL



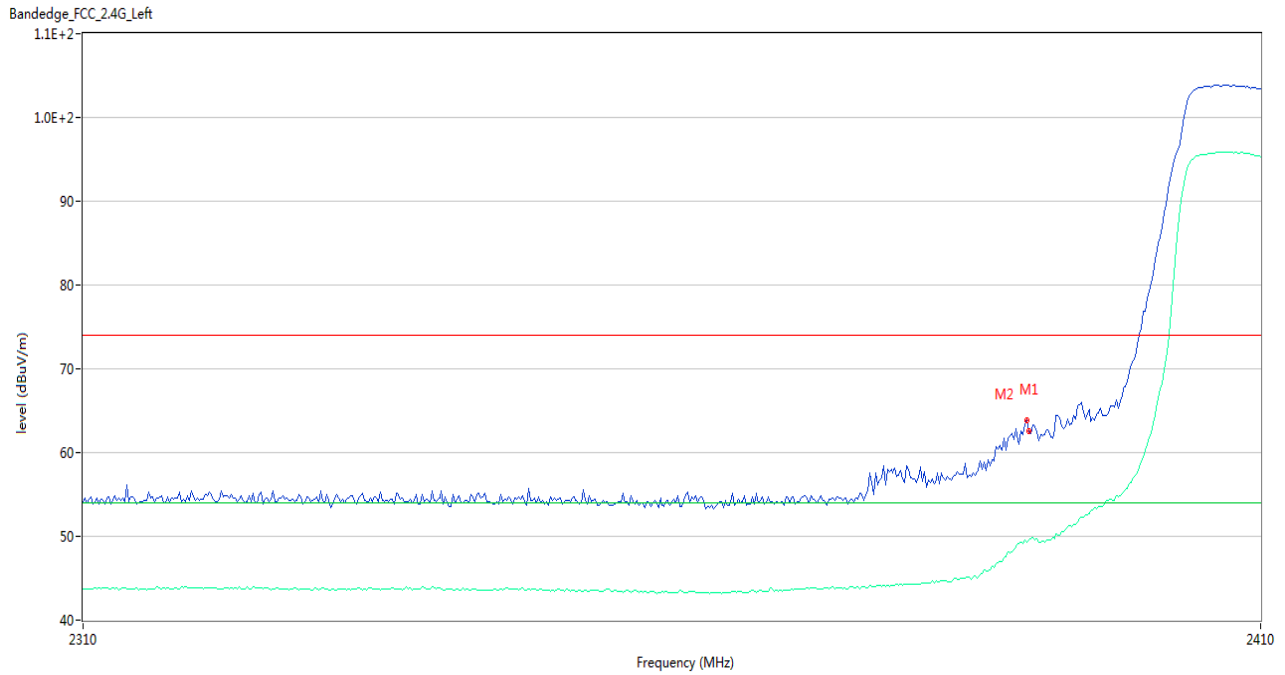
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	63.02	-0.50	74.0	-10.98	Peak	165.00	150	Horizontal	Pass
1**	2390.000	50.47	-0.50	54.0	-3.53	AV	165.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



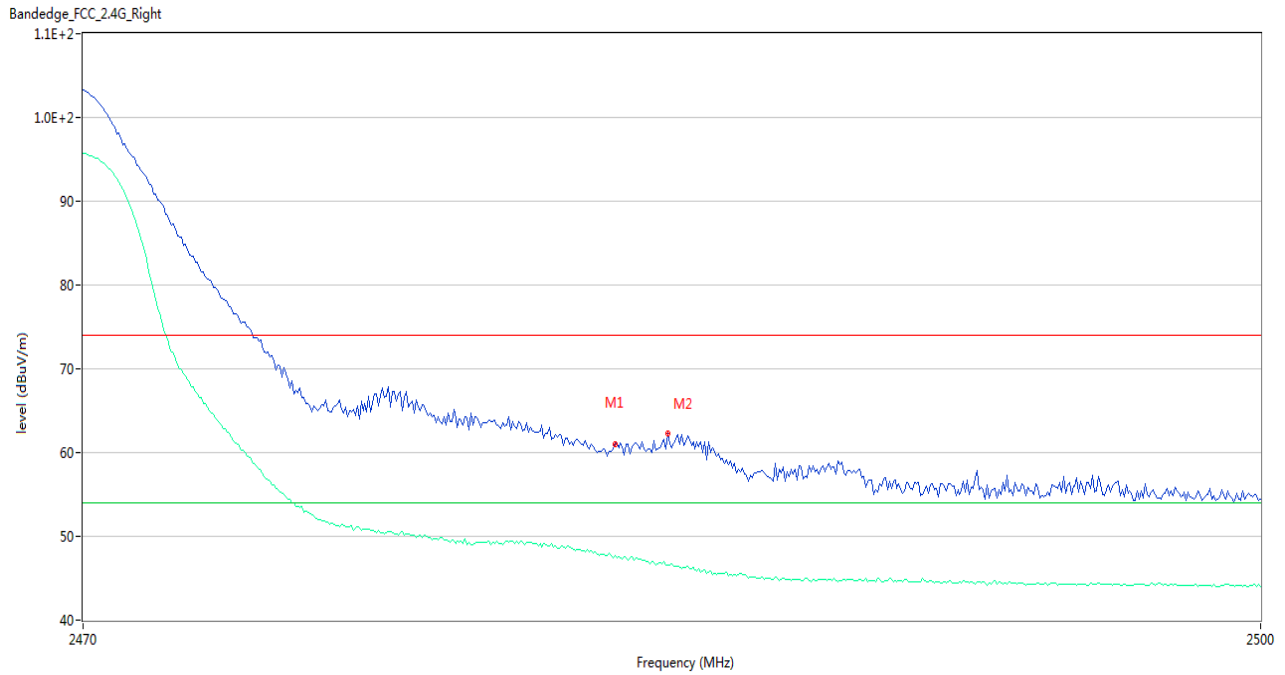
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.55	-0.36	74.0	-10.45	Peak	349.00	150	Horizontal	Pass
1**	2483.500	50.80	-0.36	54.0	-3.20	AV	349.00	150	Horizontal	Pass
2	2484.750	64.39	-0.34	74.0	-9.61	Peak	349.00	150	Horizontal	Pass
2**	2484.750	49.91	-0.34	54.0	-4.09	AV	349.00	150	Horizontal	Pass

802.11n-20 LOW CHANNEL



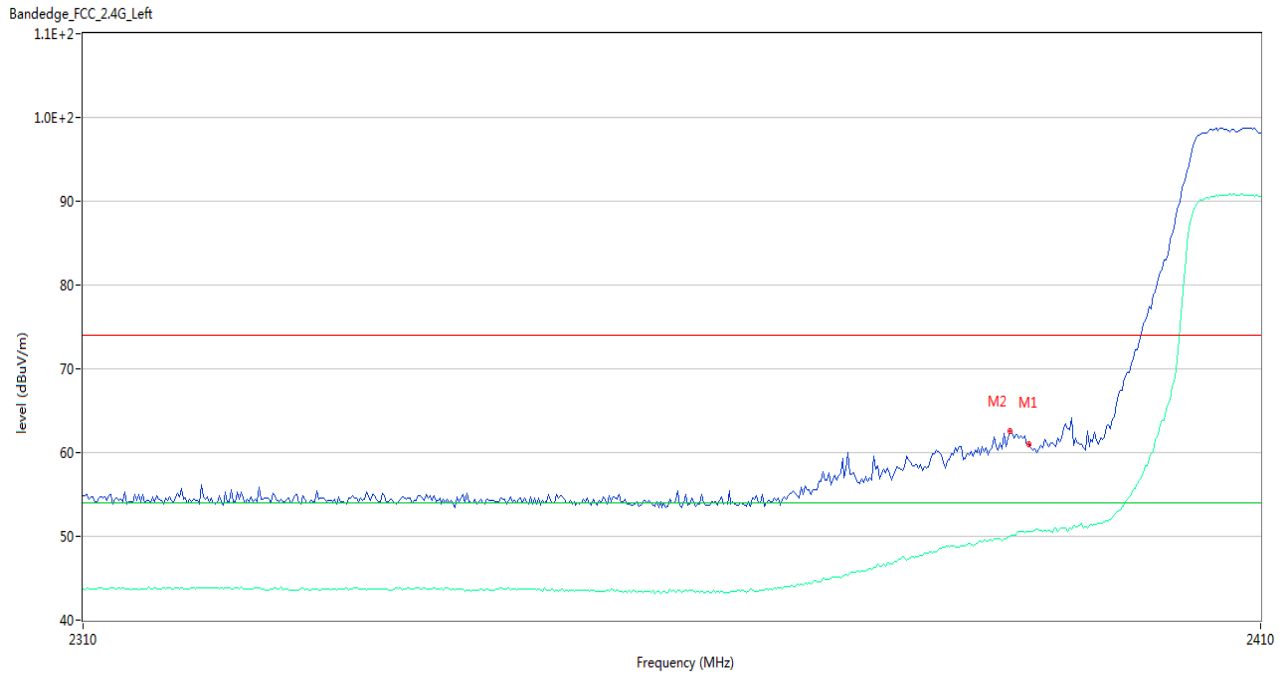
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.55	-0.50	74.0	-11.45	Peak	181.00	150	Horizontal	Pass
1**	2390.000	49.56	-0.50	54.0	-4.44	AV	181.00	150	Horizontal	Pass
2	2389.833	63.87	-0.50	74.0	-10.13	Peak	176.00	150	Horizontal	Pass
2**	2389.833	49.35	-0.50	54.0	-4.65	AV	176.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	61.00	-0.36	74.0	-13.00	Peak	163.00	150	Horizontal	Pass
1**	2483.500	47.72	-0.36	54.0	-6.28	AV	163.00	150	Horizontal	Pass
2	2484.850	62.27	-0.34	74.0	-11.73	Peak	352.00	150	Horizontal	Pass
2**	2484.850	46.52	-0.34	54.0	-7.48	AV	352.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	61.07	-0.50	74.0	-12.93	Peak	172.00	150	Horizontal	Pass
1**	2390.000	50.58	-0.50	54.0	-3.42	AV	172.00	150	Horizontal	Pass
2	2388.333	62.52	-0.50	74.0	-11.48	Peak	172.00	150	Horizontal	Pass
2**	2388.333	50.00	-0.50	54.0	-4.00	AV	172.00	150	Horizontal	Pass

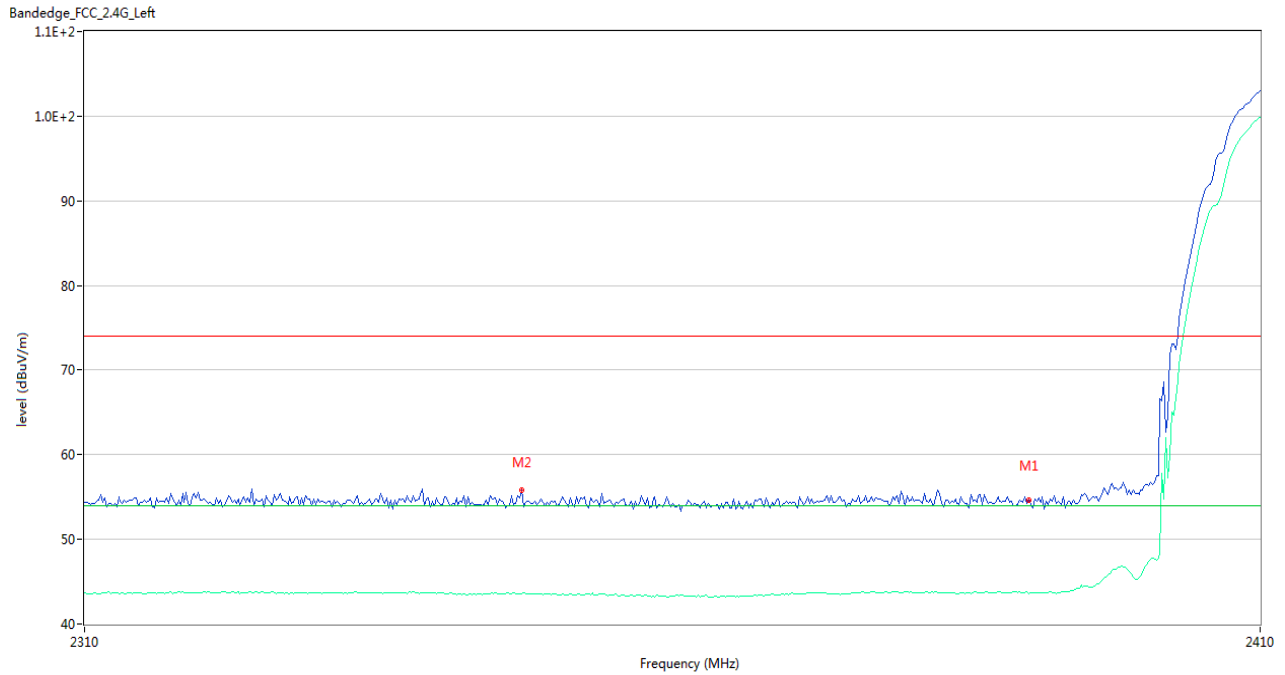
802.11n-40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.98	-0.36	74.0	-9.02	Peak	345.00	150	Horizontal	Pass
1**	2483.500	49.03	-0.36	54.0	-4.97	AV	345.00	150	Horizontal	Pass
2	2487.900	65.52	-0.26	74.0	-8.48	Peak	345.00	150	Horizontal	Pass
2**	2487.900	48.93	-0.26	54.0	-5.07	AV	345.00	150	Horizontal	Pass

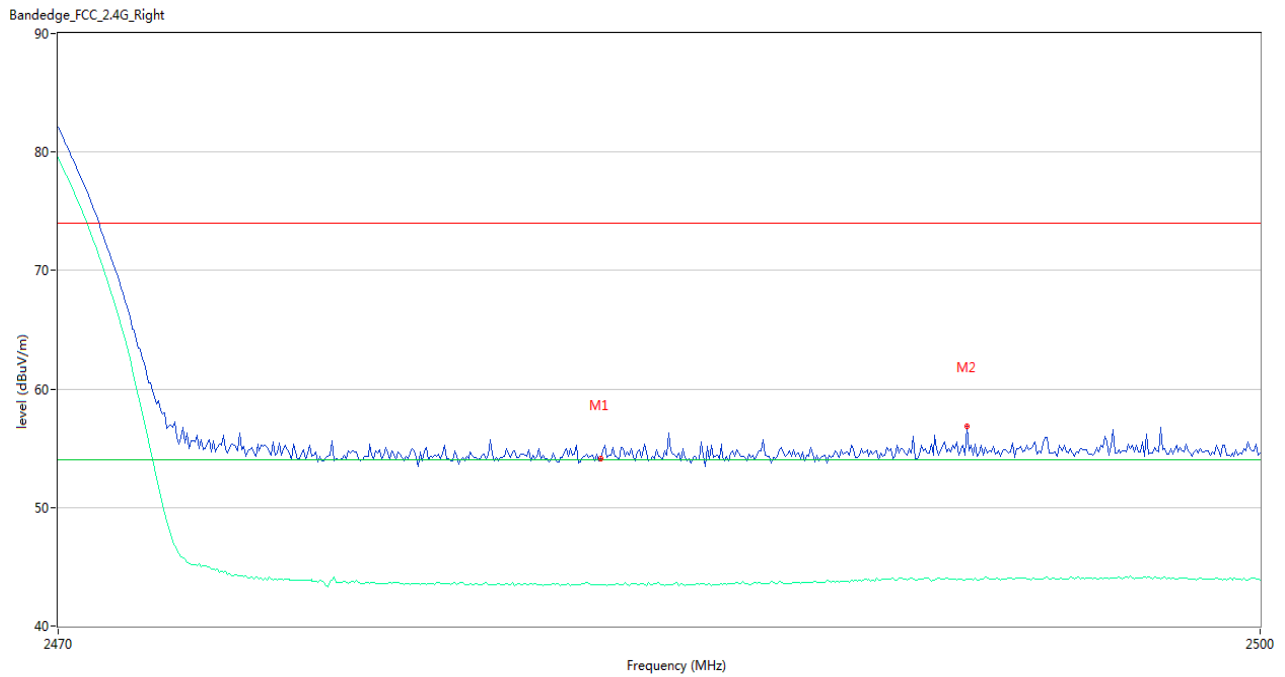
MIMO

802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.62	-0.50	74.0	-19.38	Peak	29.00	150	Horizontal	Pass
1**	2390.000	43.60	-0.50	54.0	-10.40	AV	29.00	150	Horizontal	Pass
2	2346.667	55.77	-0.64	74.0	-18.23	Peak	218.00	150	Horizontal	Pass
2**	2346.667	43.54	-0.64	54.0	-10.46	AV	218.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



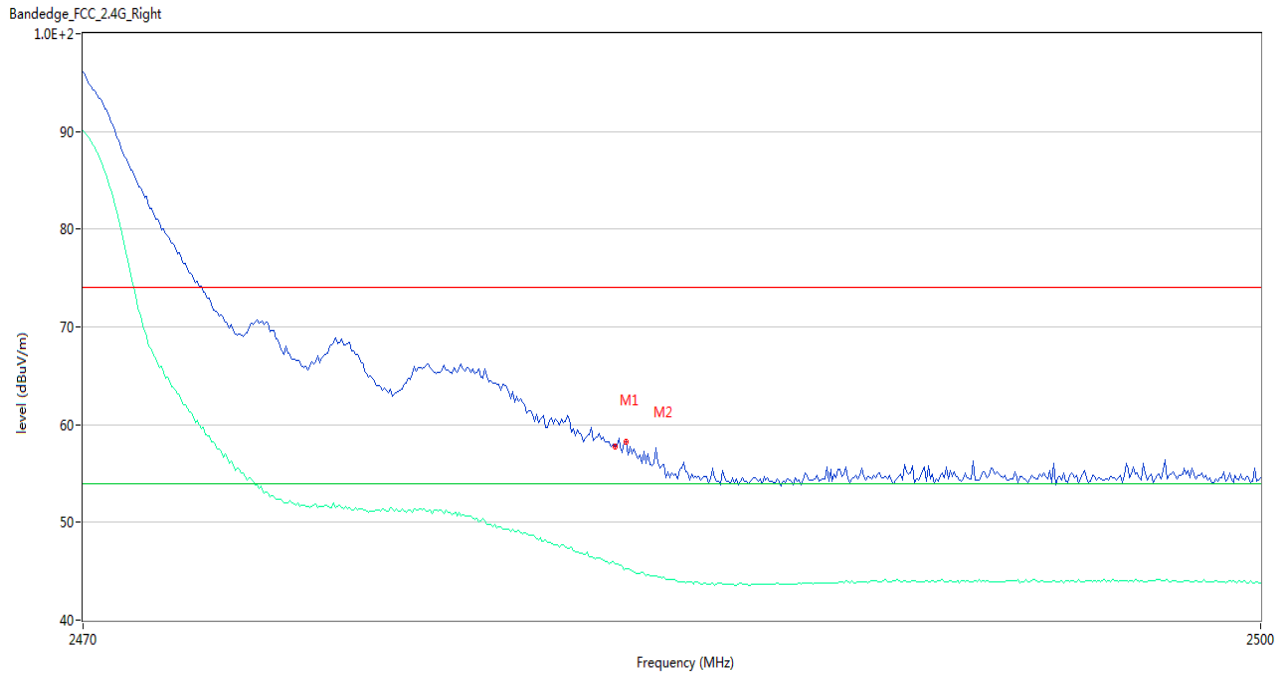
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.10	-0.36	74.0	-19.90	Peak	257.00	150	Horizontal	Pass
1**	2483.500	43.48	-0.36	54.0	-10.52	AV	257.00	150	Horizontal	Pass
2	2492.650	56.82	-0.06	74.0	-17.18	Peak	36.00	150	Horizontal	Pass
2**	2492.650	43.97	-0.06	54.0	-10.03	AV	36.00	150	Horizontal	Pass

802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.94	-0.50	74.0	-19.06	Peak	16.00	150	Horizontal	Pass
1**	2390.000	43.95	-0.50	54.0	-10.05	AV	16.00	150	Horizontal	Pass
2	2362.500	55.45	-0.76	74.0	-18.55	Peak	141.00	150	Horizontal	Pass
2**	2362.500	43.16	-0.76	54.0	-10.84	AV	141.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



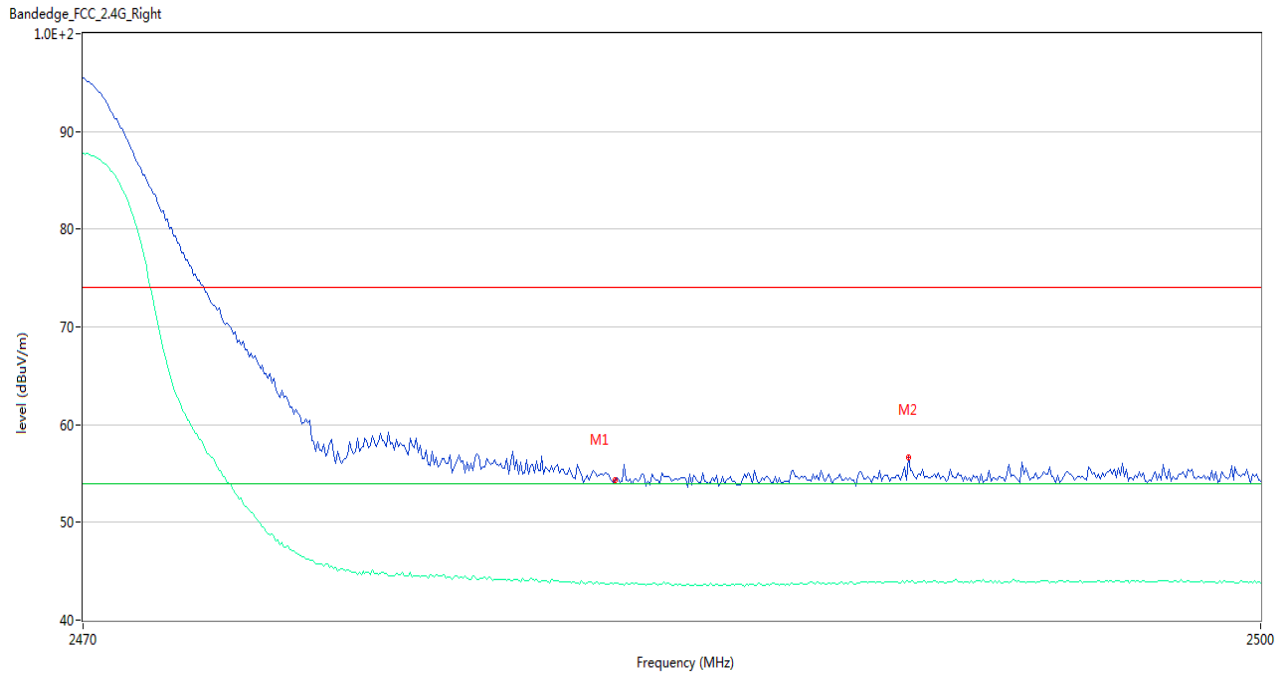
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.80	-0.36	74.0	-16.20	Peak	215.00	150	Horizontal	Pass
1**	2483.500	45.74	-0.36	54.0	-8.26	AV	215.00	150	Horizontal	Pass
2	2483.800	58.23	-0.35	74.0	-15.77	Peak	14.00	150	Horizontal	Pass
2**	2483.800	45.27	-0.35	54.0	-8.73	AV	14.00	150	Horizontal	Pass

802.11n-20 LOW CHANNEL



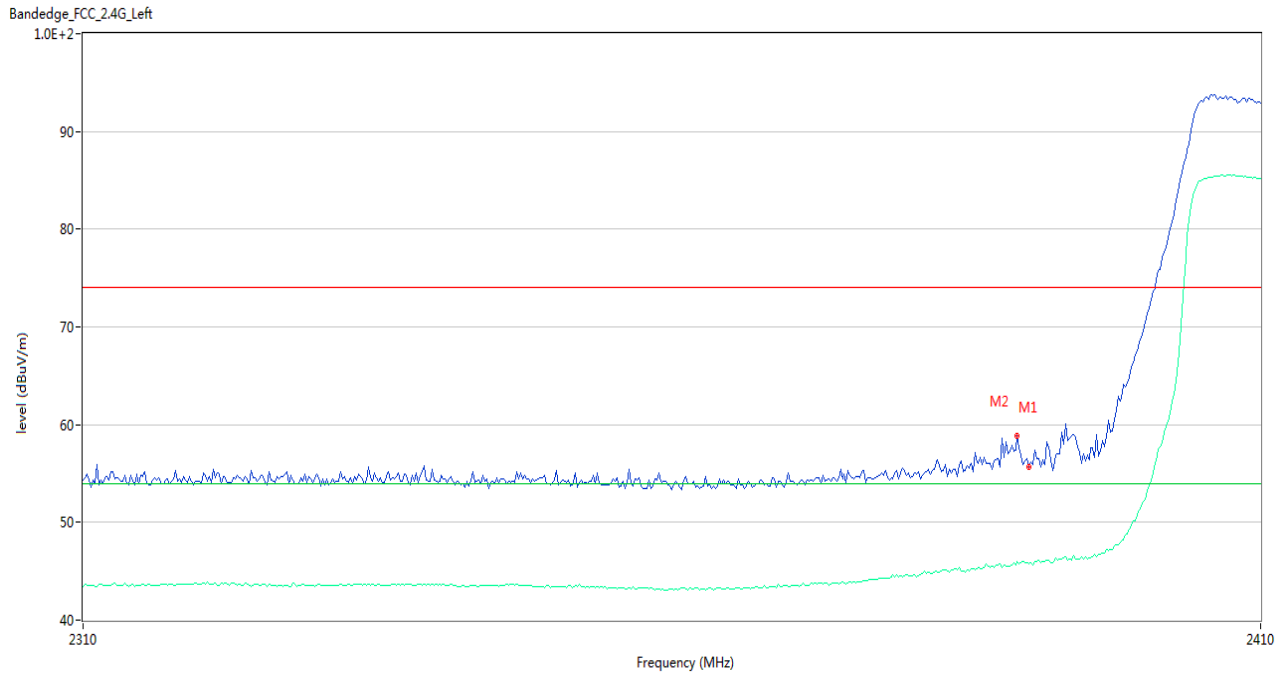
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	54.92	-0.50	74.0	-19.08	Peak	200.00	150	Horizontal	Pass
1**	2390.000	43.53	-0.50	54.0	-10.47	AV	200.00	150	Horizontal	Pass
2	2329.500	56.00	-0.71	74.0	-18.00	Peak	170.00	150	Horizontal	Pass
2**	2329.500	43.46	-0.71	54.0	-10.54	AV	170.00	150	Horizontal	Pass

802.11n-20 HIGH CHANNEL



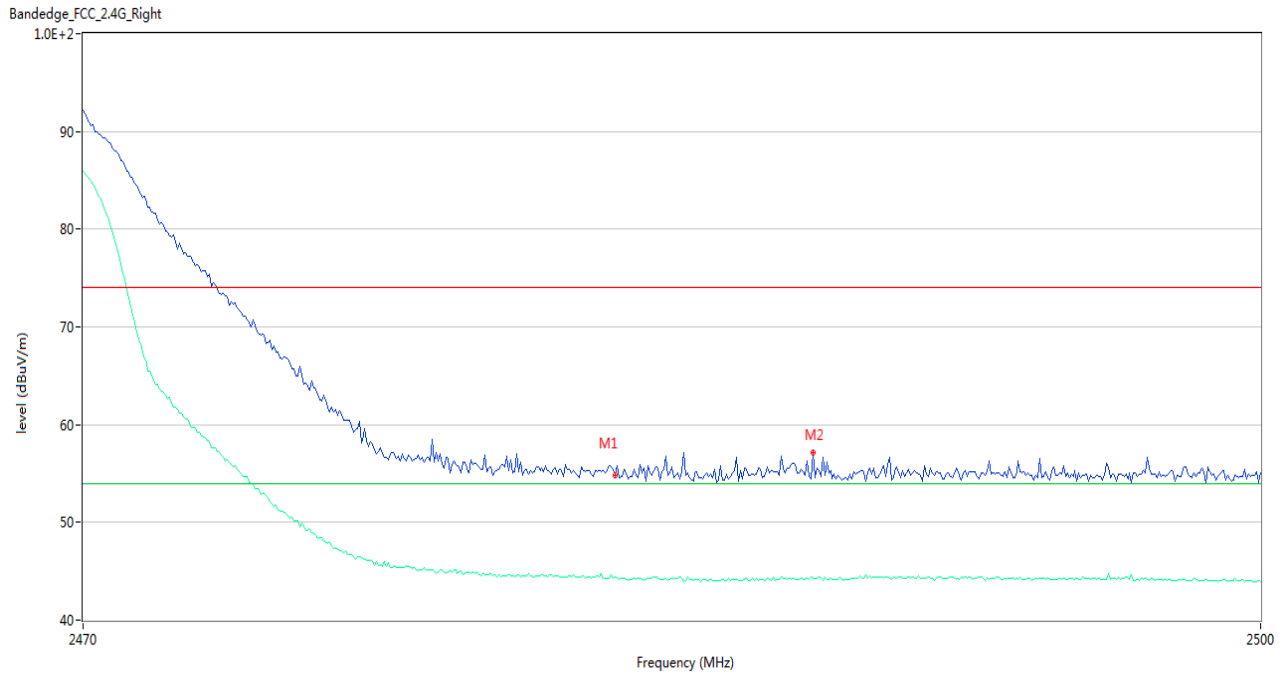
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.39	-0.36	74.0	-19.61	Peak	0.00	150	Horizontal	Pass
1**	2483.500	43.74	-0.36	54.0	-10.26	AV	0.00	150	Horizontal	Pass
2	2491.000	56.60	-0.03	74.0	-17.40	Peak	193.00	150	Horizontal	Pass
2**	2491.000	43.91	-0.03	54.0	-10.09	AV	193.00	150	Horizontal	Pass

802.11n-40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	55.73	-0.50	74.0	-18.27	Peak	16.00	150	Horizontal	Pass
1**	2390.000	45.79	-0.50	54.0	-8.21	AV	16.00	150	Horizontal	Pass
2	2389.000	58.86	-0.49	74.0	-15.14	Peak	14.00	150	Horizontal	Pass
2**	2389.000	46.05	-0.49	54.0	-7.95	AV	14.00	150	Horizontal	Pass

802.11n-40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.83	-0.36	74.0	-19.17	Peak	207.00	150	Horizontal	Pass
1**	2483.500	44.43	-0.36	54.0	-9.57	AV	207.00	150	Horizontal	Pass
2	2488.550	57.16	-0.23	74.0	-16.84	Peak	20.00	150	Horizontal	Pass
2**	2488.550	44.25	-0.23	54.0	-9.75	AV	20.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.88	8
Middle	-17.44	8
High	-17.13	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.88	8
Middle	-18.58	8
High	-18.21	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.75	8
Middle	-21.16	8
High	-20.28	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.59	8
Middle	-22.84	8
High	-23.06	8

Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.22	8
Middle	-15.84	8
High	-16.63	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.30	8
Middle	-18.81	8
High	-18.70	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.48	8
Middle	-20.59	8
High	-21.18	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.53	8
Middle	-22.93	8
High	-23.23	8

MIMO-Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.05	8
Middle	-20.37	8
High	-20.41	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.43	8
Middle	-18.59	8
High	-17.29	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.19	8
Middle	-21.09	8
High	-20.24	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.24	8
Middle	-24.57	8
High	-24.72	8

MIMO-Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.22	8
Middle	-19.46	8
High	-20.02	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.12	8
Middle	-18.62	8
High	-18.65	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.66	8
Middle	-21.10	8
High	-21.31	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.31	8
Middle	-23.47	8
High	-24.34	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.60	8
Middle	-16.88	8
High	-17.20	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.26	8
Middle	-15.60	8
High	-14.91	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.91	8
Middle	-18.08	8
High	-17.73	8

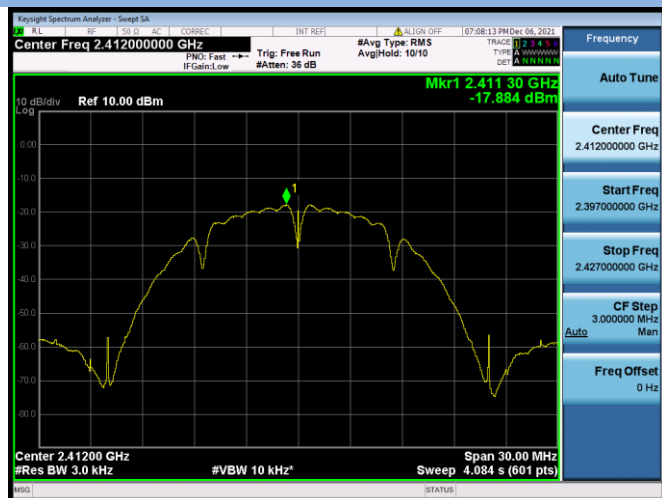
802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.74	8
Middle	-20.98	8
High	-21.52	8

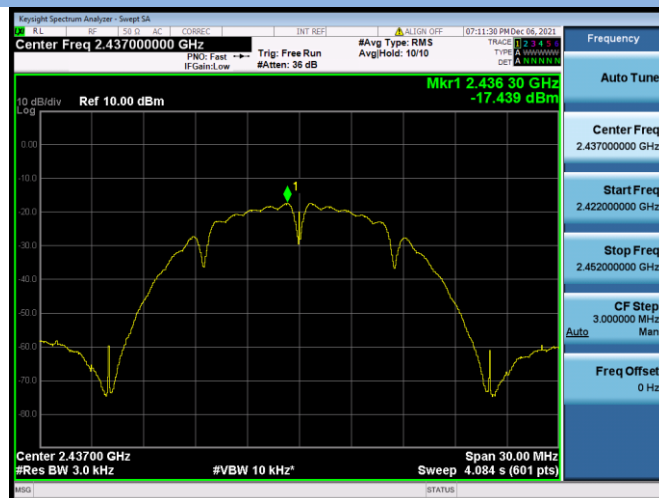
Test plots

Main Antenna

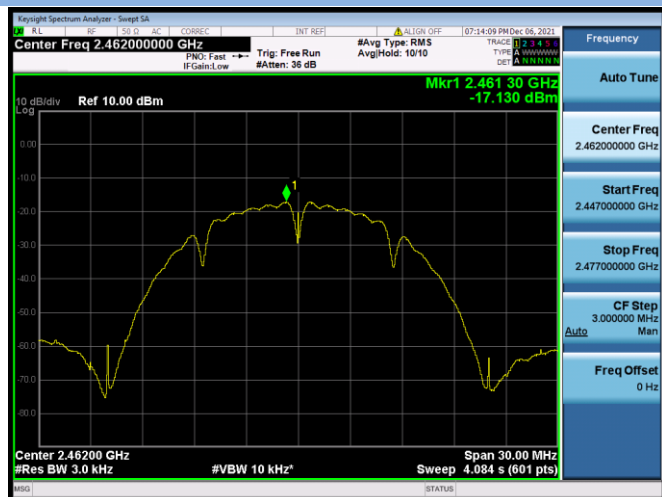
802.11b LOW CHANNEL



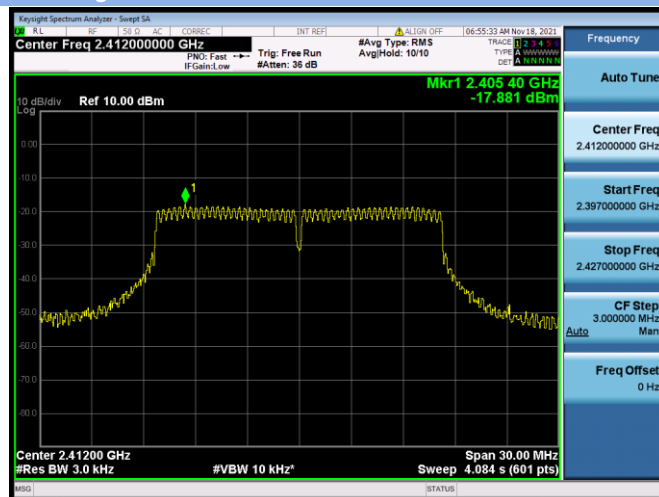
802.11b MIDDLE CHANNEL



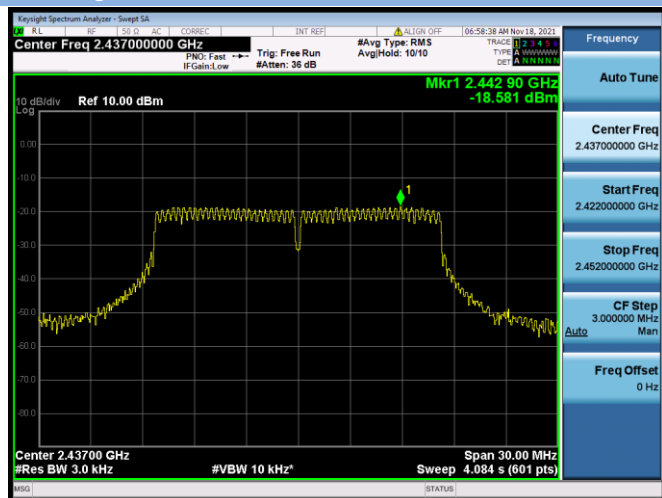
802.11b HIGH CHANNEL



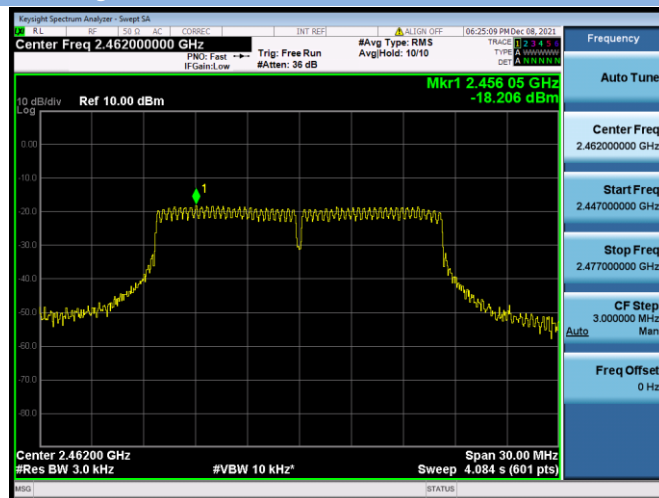
802.11g LOW CHANNEL



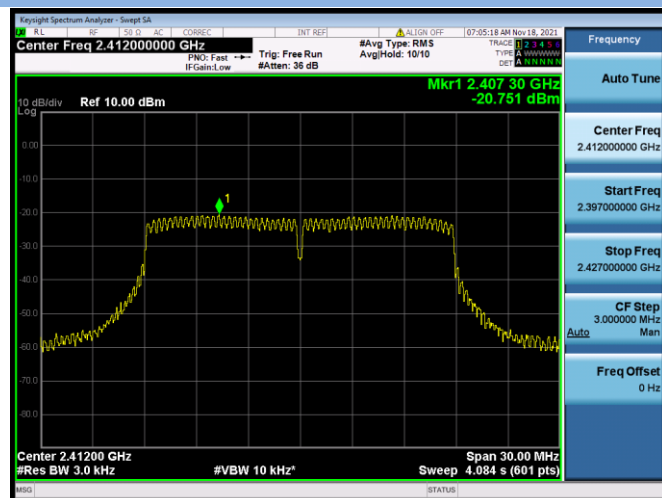
802.11g MIDDLE CHANNEL



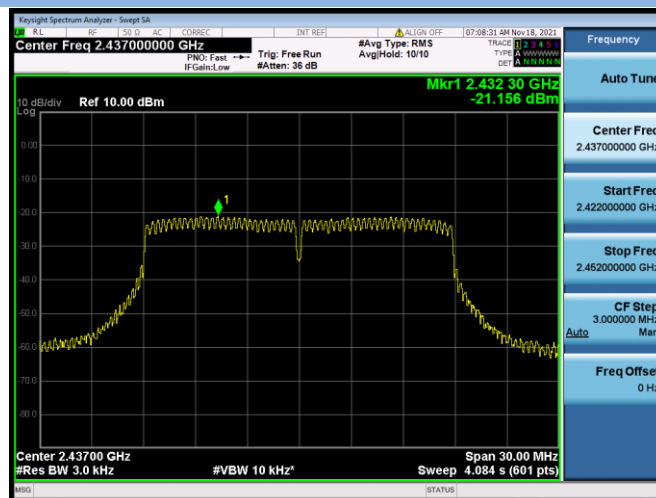
802.11g HIGH CHANNEL



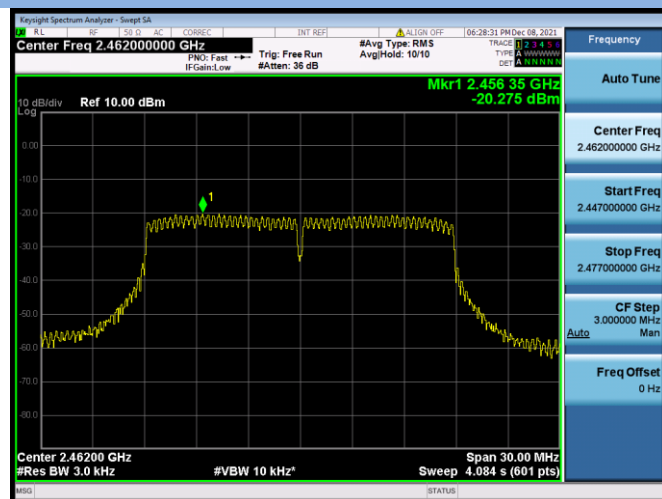
802.11n-20 MHz LOW CHANNEL



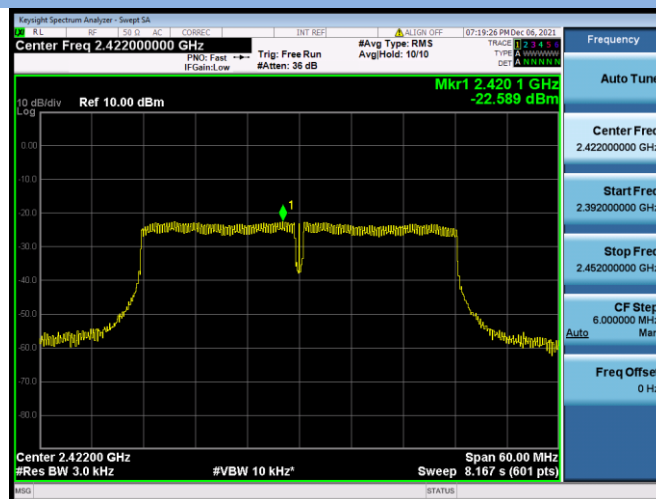
802.11 n-20 MHz MIDDLE CHANNEL



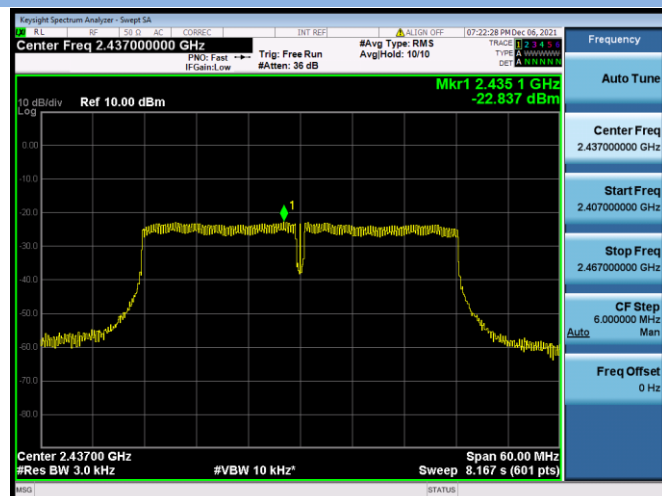
802.11n-20 MHz HIGH CHANNEL



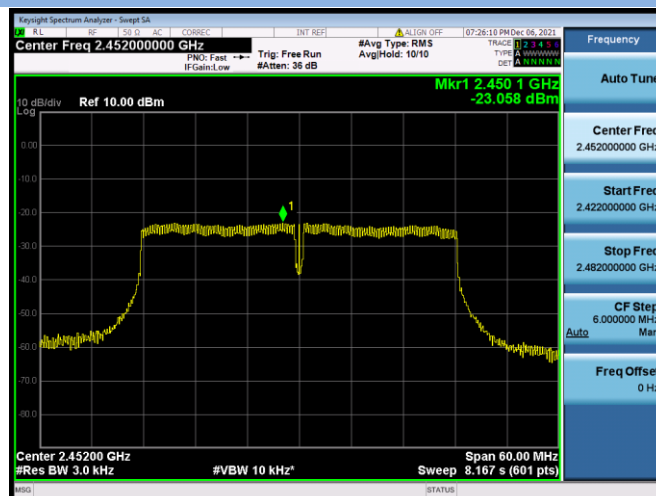
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

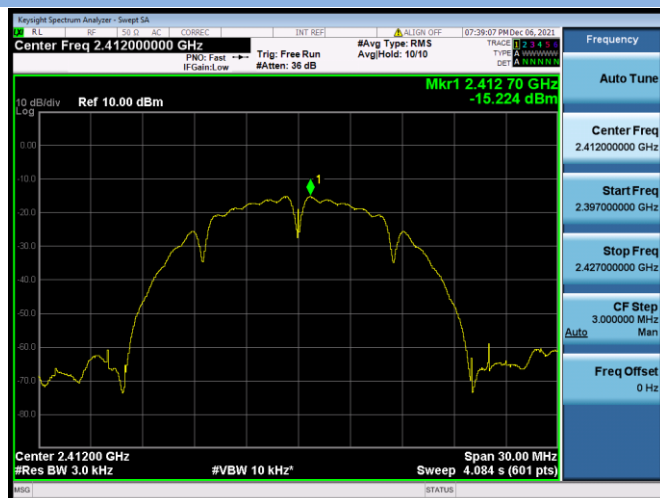


802.11n-40 MHz HIGH CHANNEL

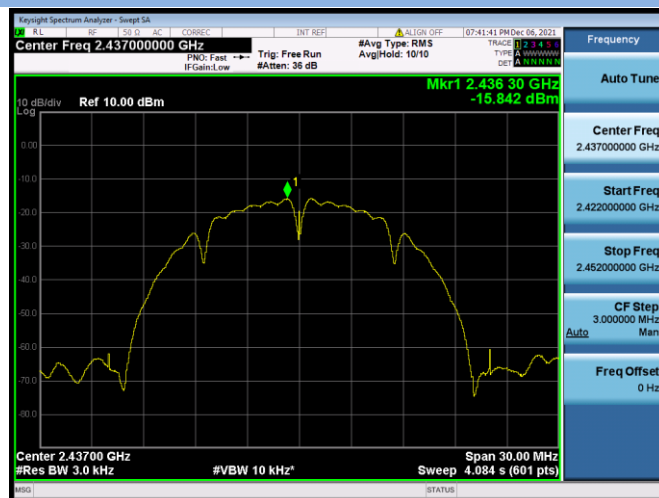


Aux. Antenna

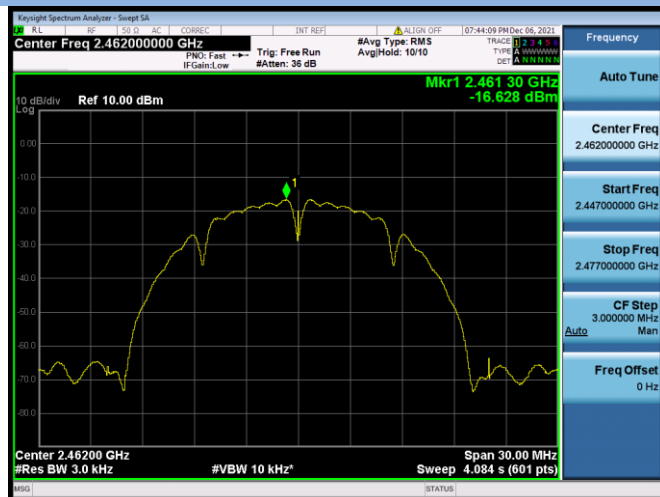
802.11b LOW CHANNEL



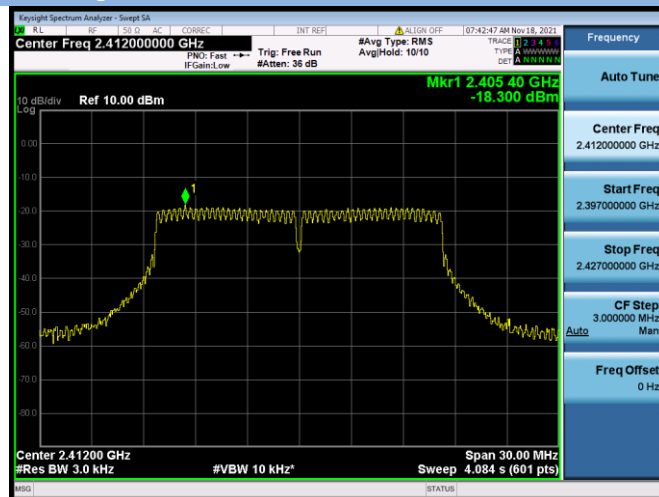
802.11b MIDDLE CHANNEL



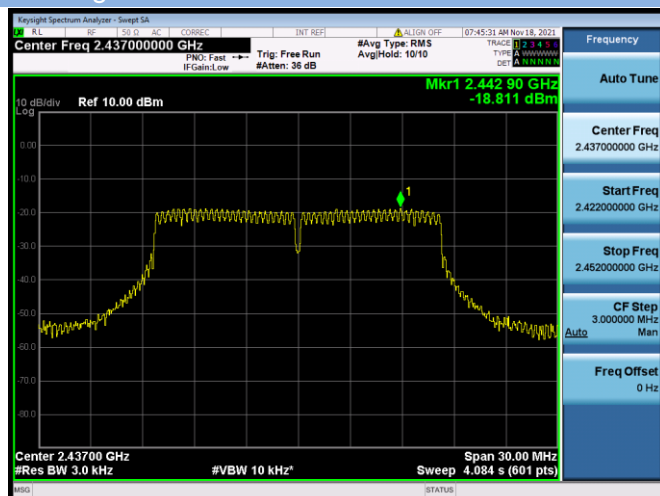
802.11b HIGH CHANNEL



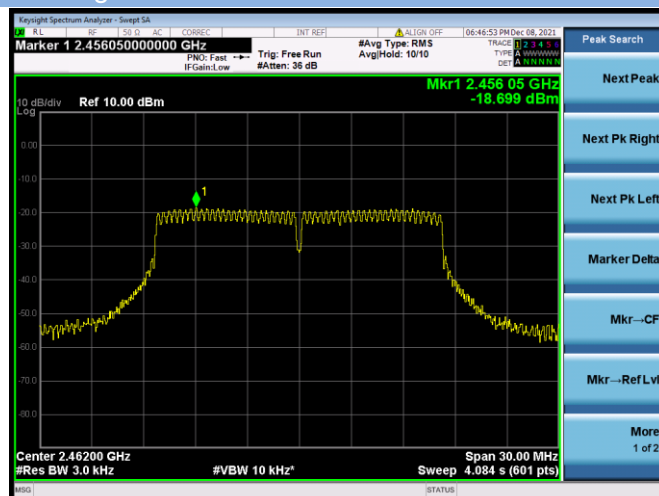
802.11g LOW CHANNEL



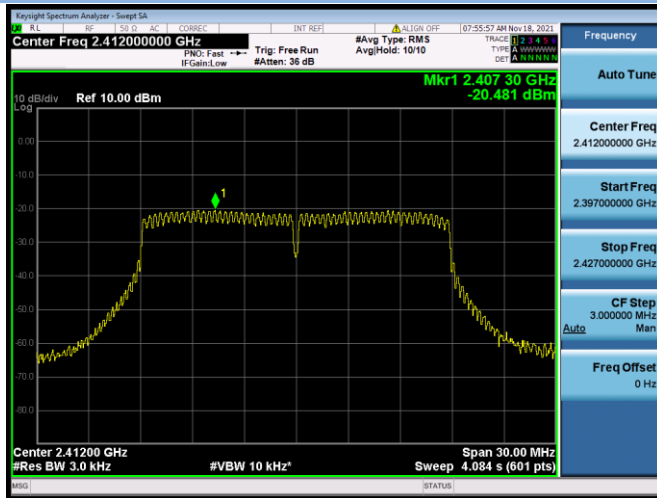
802.11g MIDDLE CHANNEL



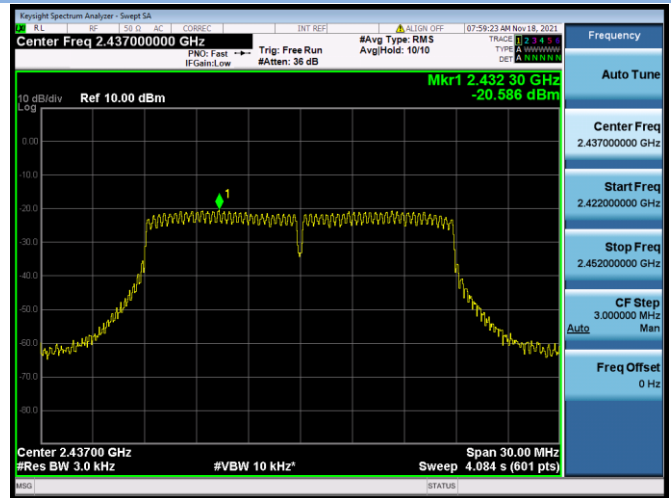
802.11g HIGH CHANNEL



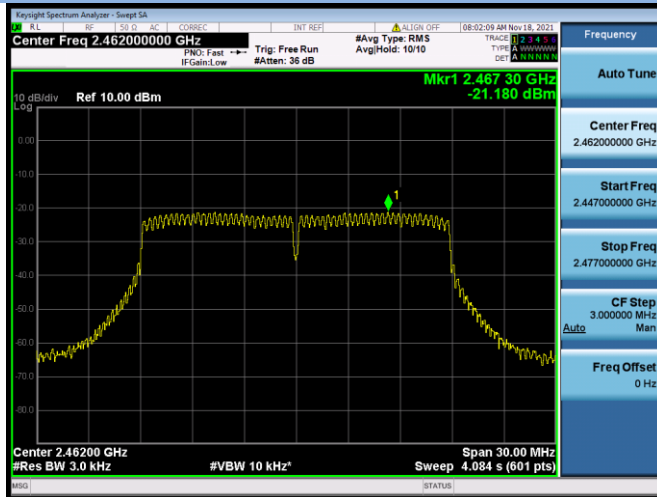
802.11n-20 MHz LOW CHANNEL



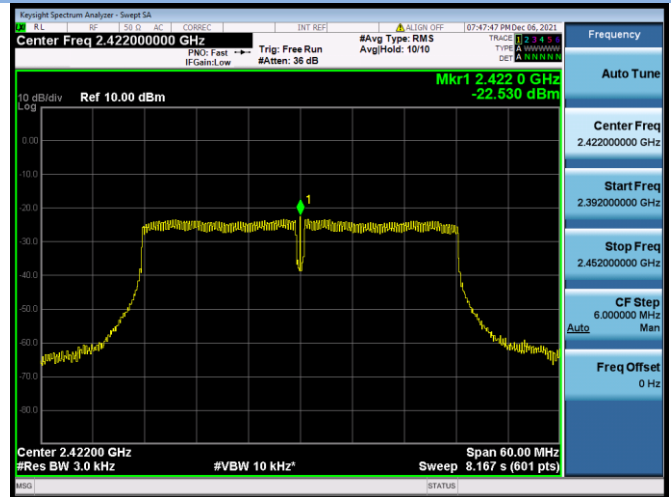
802.11 n-20 MHz MIDDLE CHANNEL



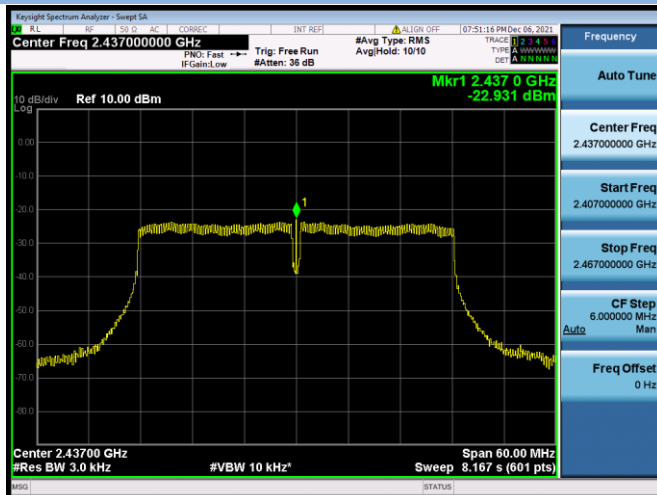
802.11n-20 MHz HIGH CHANNEL



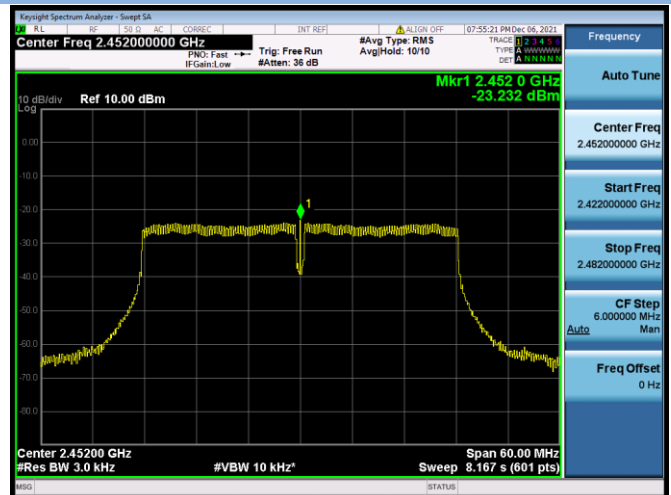
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

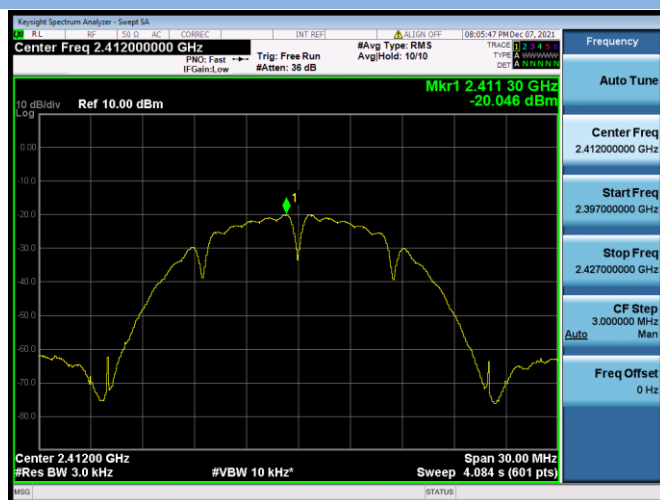


802.11n-40 MHz HIGH CHANNEL

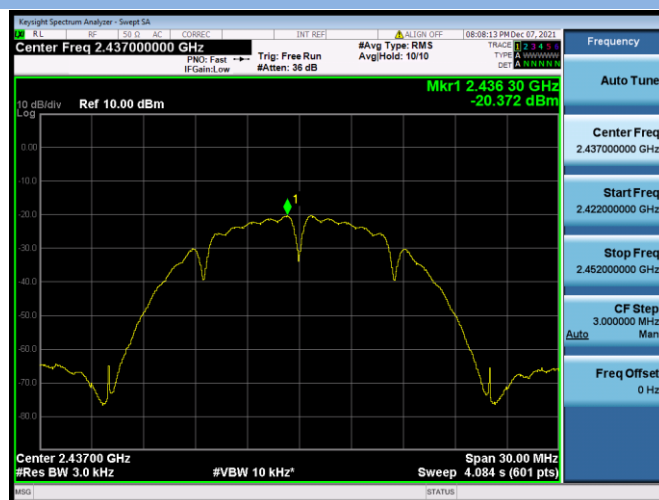


MIMO-Main Antenna

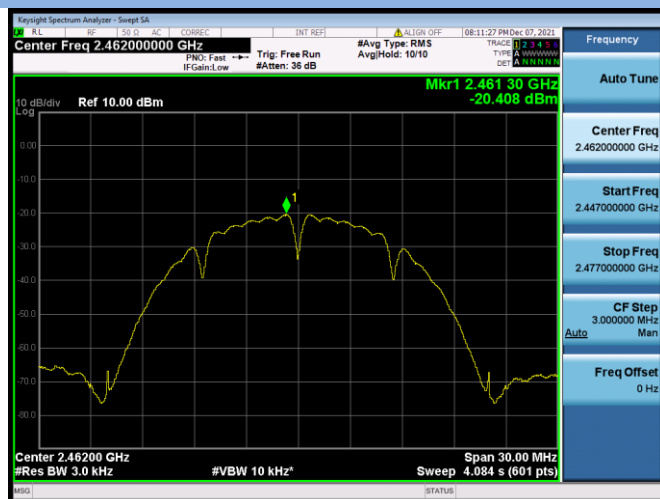
802.11b LOW CHANNEL



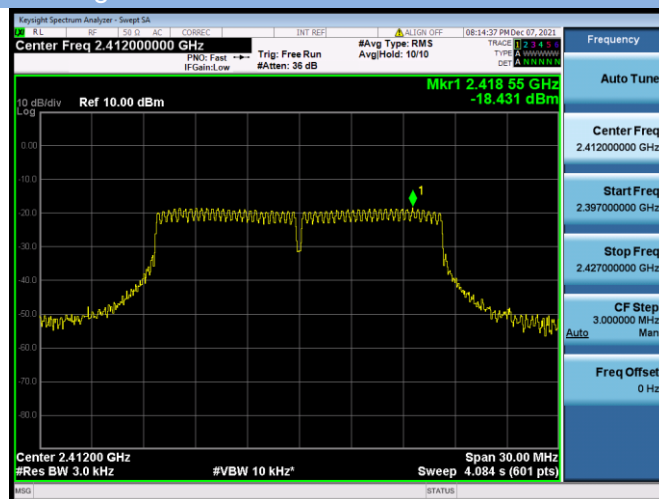
802.11b MIDDLE CHANNEL



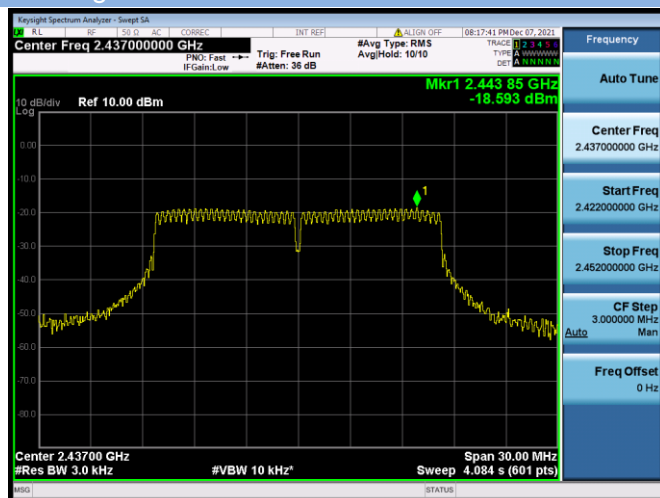
802.11b HIGH CHANNEL



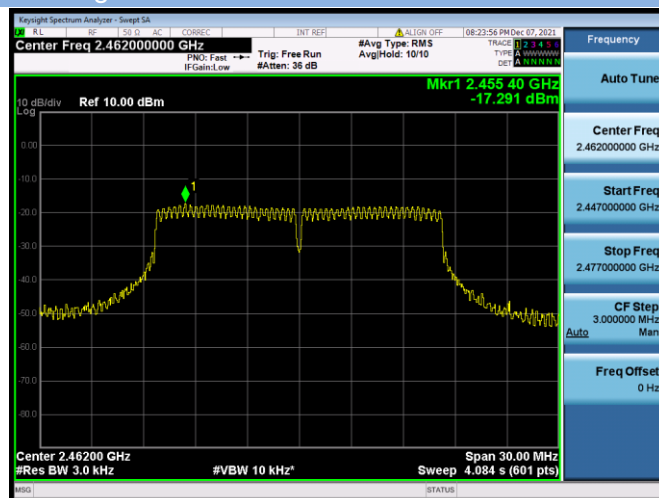
802.11g LOW CHANNEL



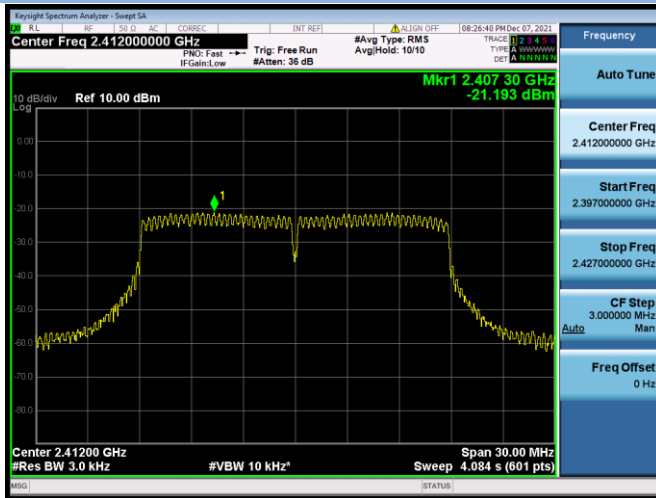
802.11g MIDDLE CHANNEL



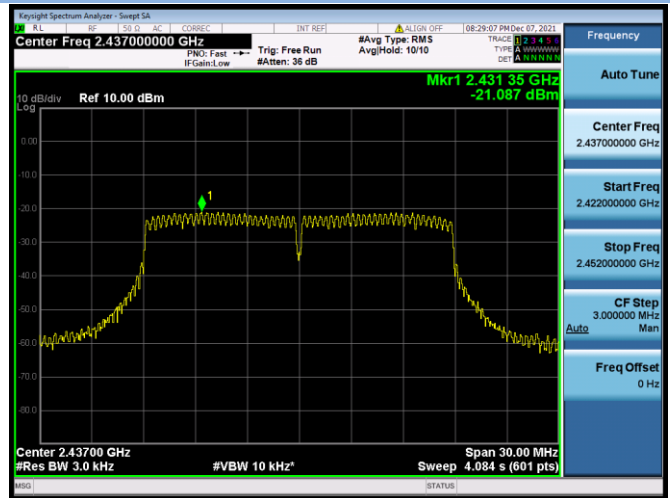
802.11g HIGH CHANNEL



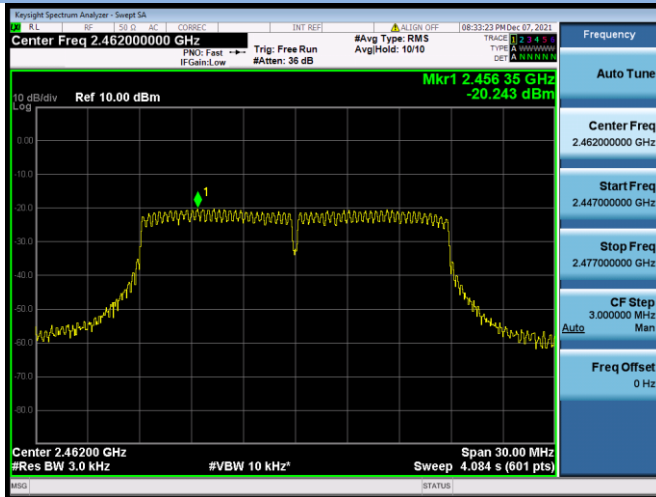
802.11n-20 MHz LOW CHANNEL



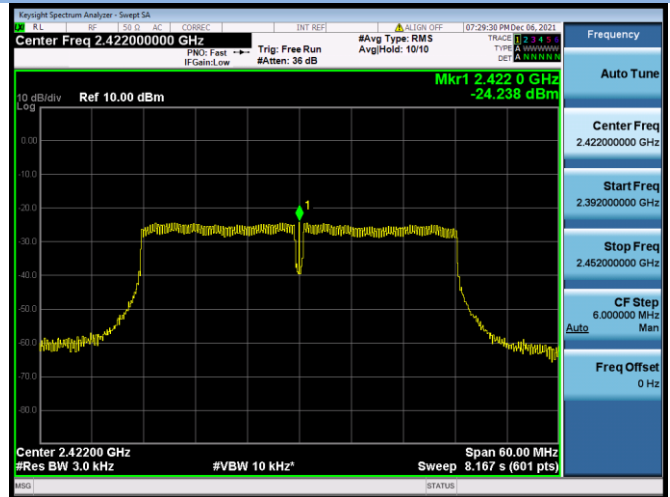
802.11 n-20 MHz MIDDLE CHANNEL



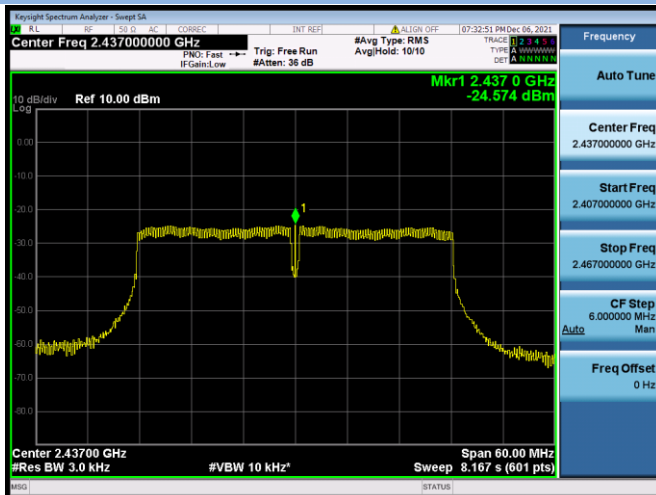
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL

