

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



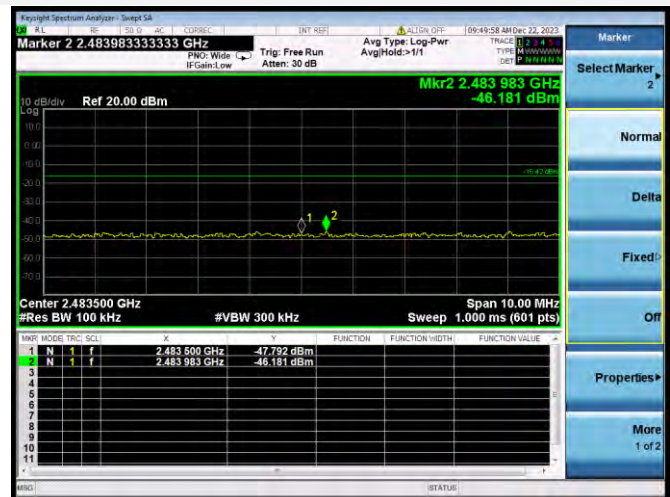
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



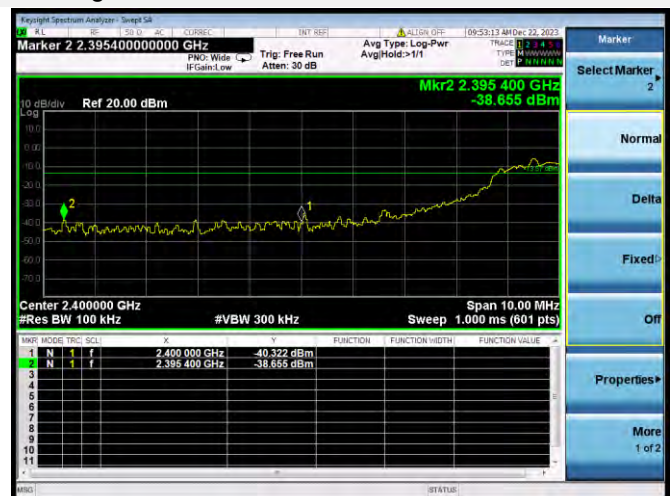
802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



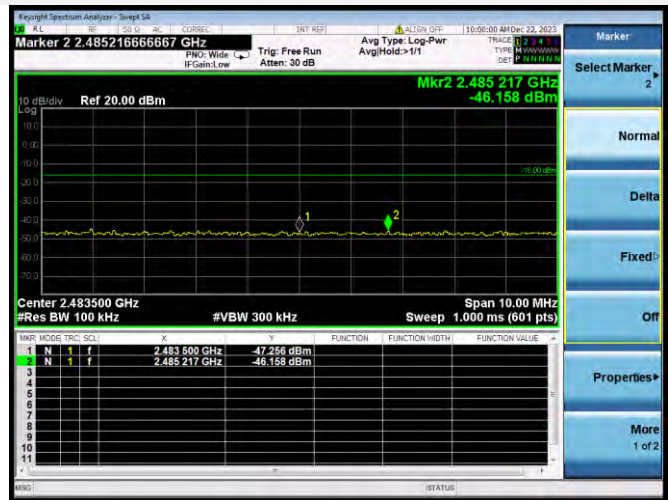
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



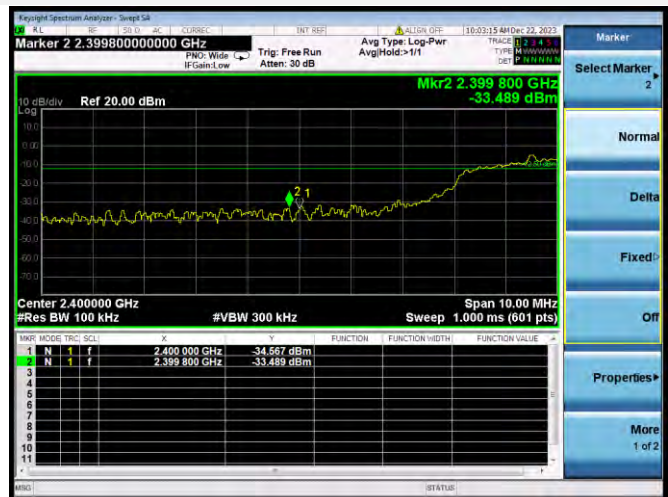
802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



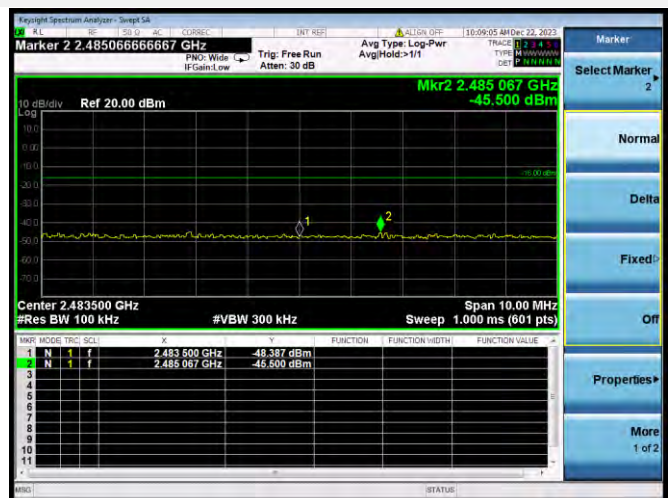
802.11n-20 MHz LOW CHANNEL, BAND EDGE



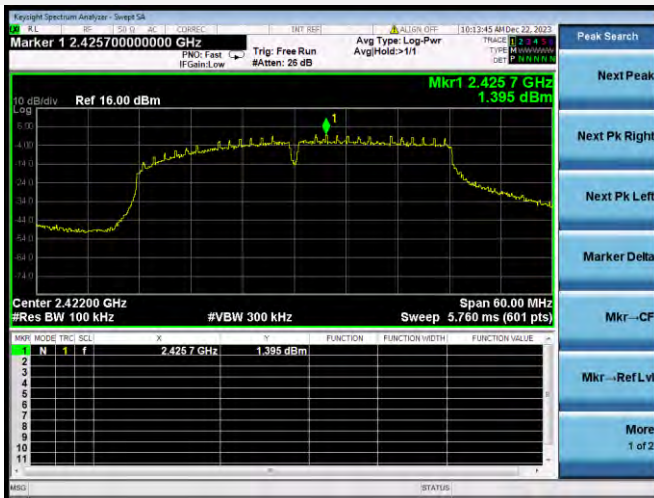
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



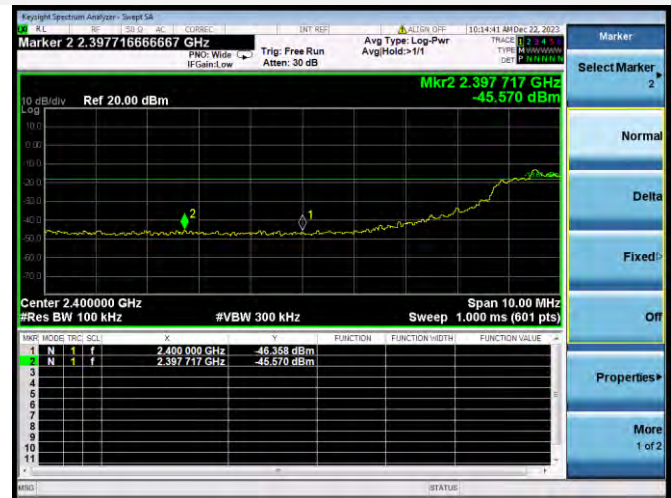
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



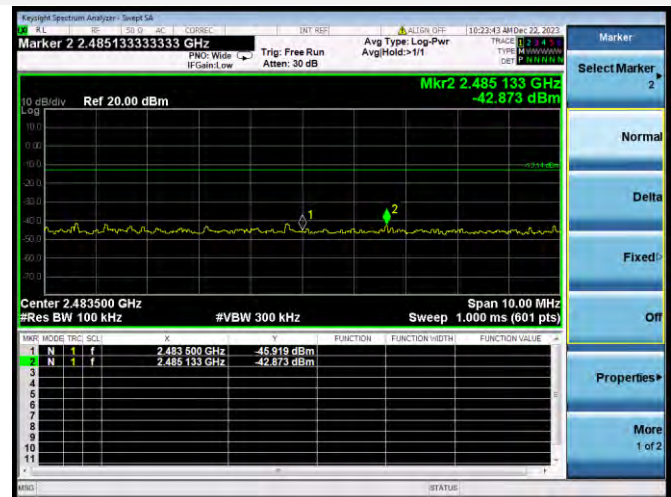
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



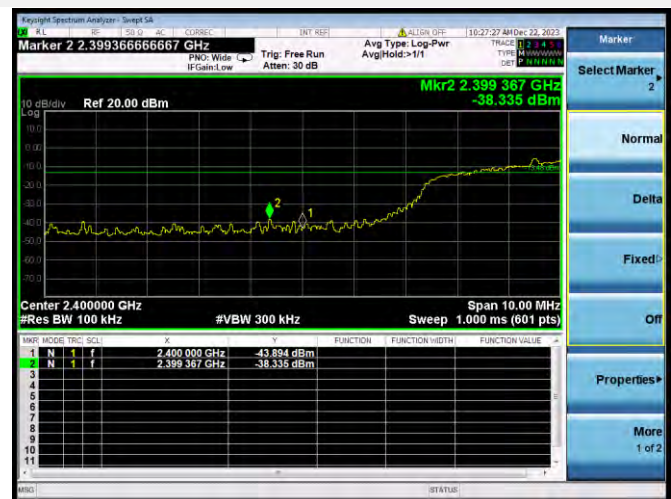
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



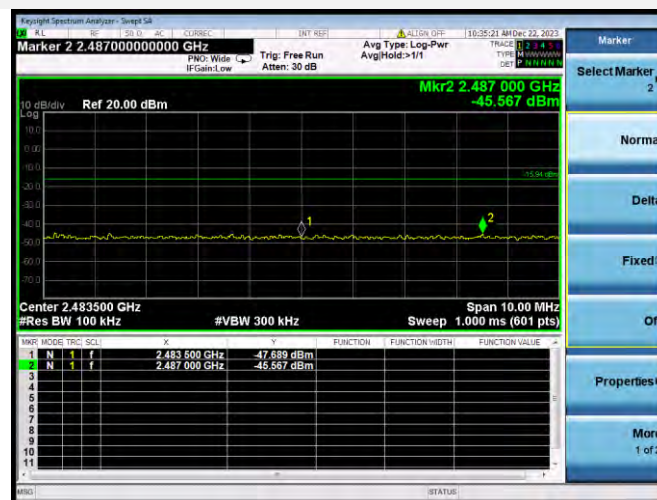
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



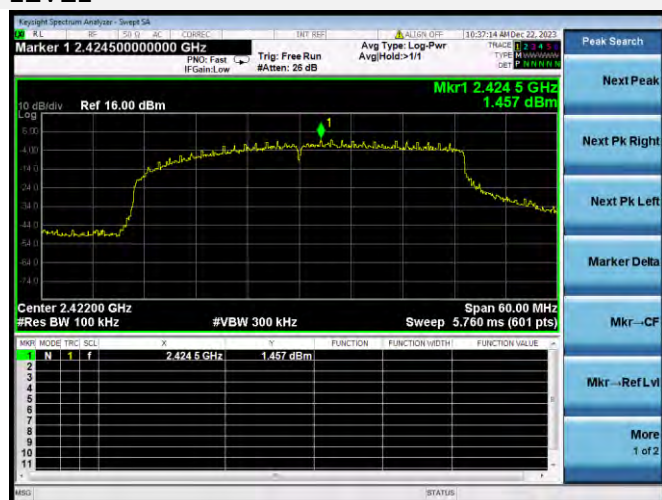
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



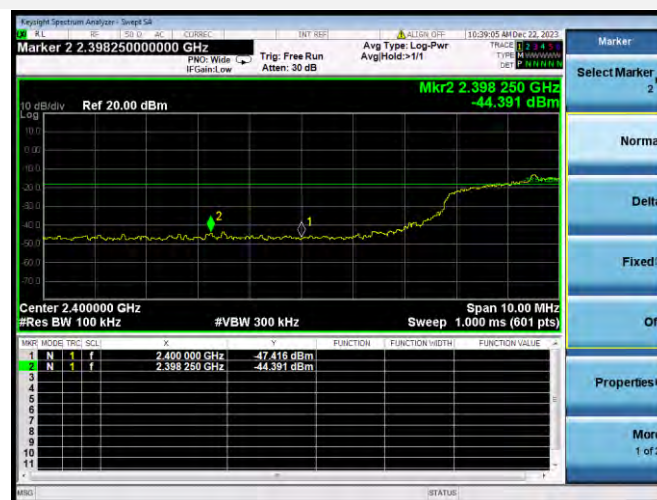
802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



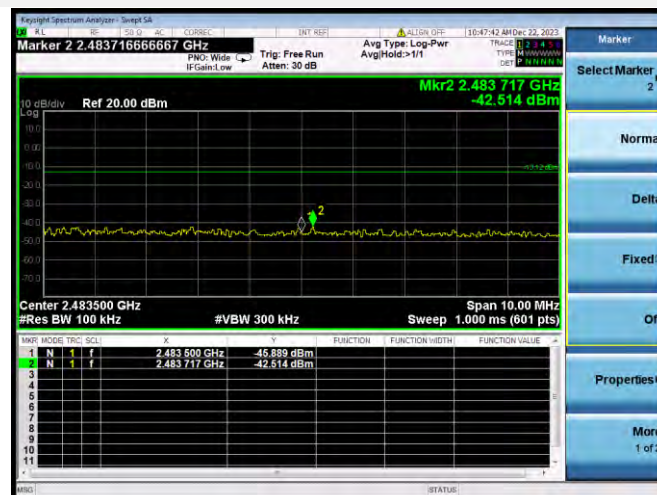
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

Note: Note applicable.

A.6 Radiated Emission

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

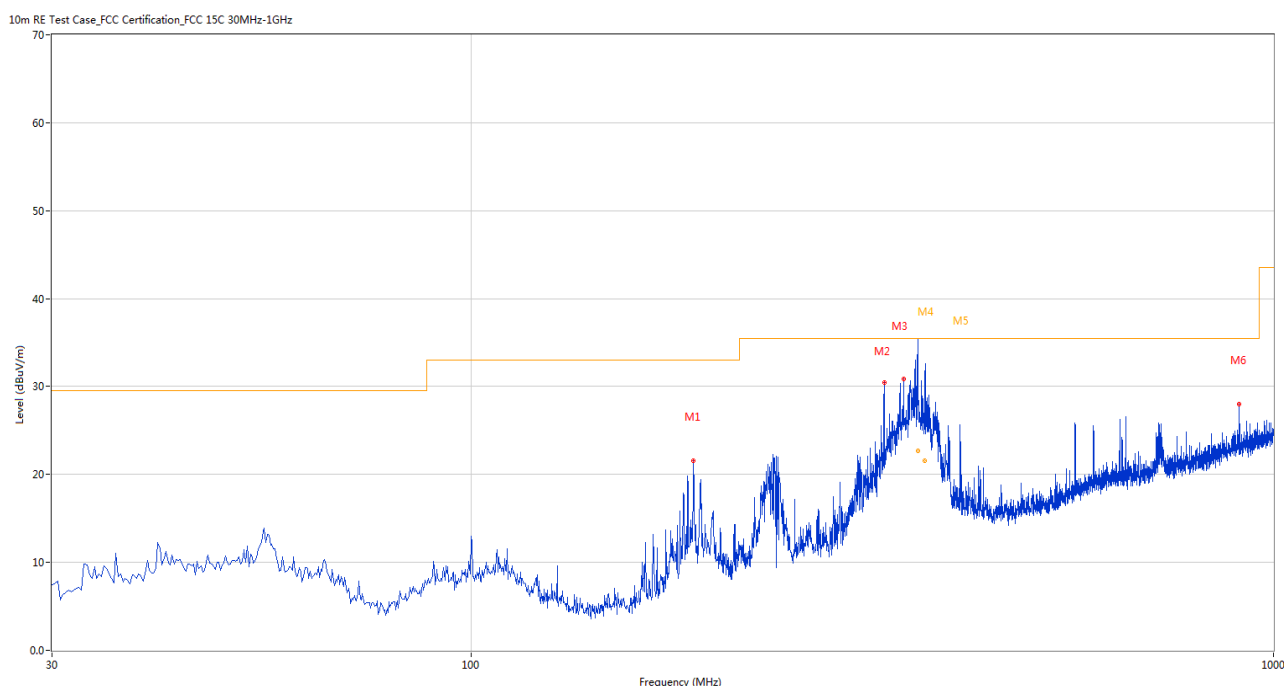
Note ²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

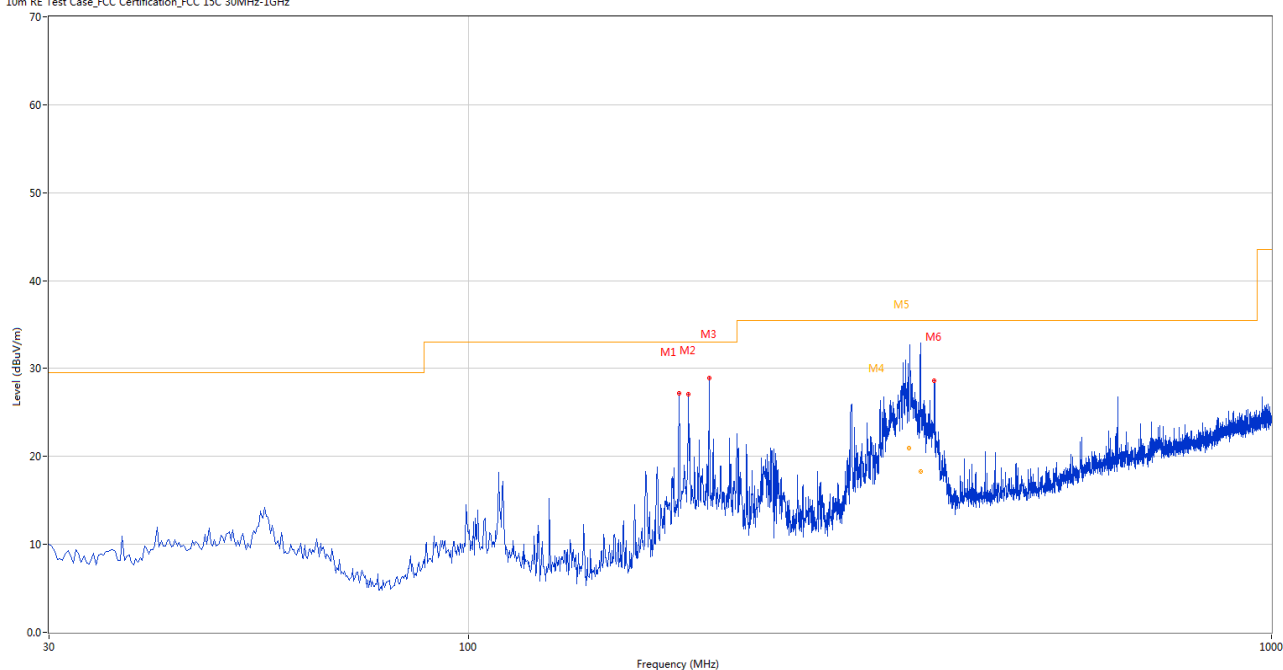
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	189.283	21.58	-28.62	33.0	11.42	Peak	256.00	200	Horizontal	Pass
2	326.988	30.41	-24.40	35.5	5.09	Peak	216.00	200	Horizontal	Pass
3	345.899	30.82	-23.53	35.5	4.68	Peak	250.00	200	Horizontal	Pass
4	360.455	34.73	-23.37	35.5	0.77	Peak	135.00	184	Horizontal	N/A
4*	360.455	22.72	-23.37	35.5	12.78	QP	135.00	184	Horizontal	Pass
5	367.634	31.72	-23.61	35.5	3.78	Peak	95.00	178	Horizontal	N/A
5*	367.634	21.58	-23.61	35.5	13.92	QP	95.00	178	Horizontal	Pass
6	906.903	27.99	-12.62	35.5	7.51	Peak	233.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	182.979	27.14	-29.39	33.0	5.86	Peak	93.00	100	Vertical	Pass
2	187.828	27.03	-28.84	33.0	5.97	Peak	75.00	100	Vertical	Pass
3	199.223	28.90	-27.79	33.0	4.10	Peak	291.00	100	Vertical	Pass
4	353.908	30.04	-23.32	35.5	5.46	Peak	93.00	112	Vertical	N/A
4*	353.908	21.00	-23.32	35.5	14.50	QP	93.00	112	Vertical	Pass
5	365.778	30.00	-23.61	35.5	5.50	Peak	165.00	109	Vertical	N/A
5*	365.778	18.25	-23.61	35.5	17.25	QP	165.00	109	Vertical	Pass
6	380.325	28.61	-23.08	35.5	6.89	Peak	146.00	100	Vertical	Pass

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

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

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	1540.500	42.16	-17.17	74.0	31.84	Peak	62.00	100	Horizontal	Pass
1**	1540.500	32.66	-17.17	54.0	21.34	AV	62.00	100	Horizontal	Pass
2	2411.900	102.76	-10.20	74.0	-28.76	Peak	130.00	100	Horizontal	N/A
2**	2411.900	97.92	-10.20	54.0	-43.92	AV	130.00	100	Horizontal	N/A
3	4824.250	49.19	-3.48	74.0	24.81	Peak	247.00	200	Horizontal	Pass
3**	4824.250	46.02	-3.48	54.0	7.98	AV	247.00	200	Horizontal	Pass
4	7851.000	53.46	1.32	74.0	20.54	Peak	63.00	400	Horizontal	Pass
4**	7851.000	43.20	1.32	54.0	10.80	AV	63.00	400	Horizontal	Pass
5	12527.938	52.63	1.28	74.0	21.37	Peak	73.00	200	Horizontal	Pass
5**	12527.938	43.06	1.28	54.0	10.94	AV	73.00	200	Horizontal	Pass
6	17299.651	54.07	2.63	74.0	19.93	Peak	29.00	300	Horizontal	Pass
6**	17299.651	45.01	2.63	54.0	8.99	AV	29.00	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	1162.300	42.49	-17.59	74.0	31.51	Peak	257.00	200	Vertical	Pass
1**	1162.300	32.30	-17.59	54.0	21.70	AV	257.00	200	Vertical	Pass
2	2410.800	107.50	-10.35	74.0	-33.50	Peak	106.00	200	Vertical	N/A
2**	2410.800	104.55	-10.35	54.0	-50.55	AV	106.00	200	Vertical	N/A
3	4824.250	52.93	-3.48	74.0	21.07	Peak	264.00	200	Vertical	Pass
3**	4824.250	51.68	-3.48	54.0	2.32	AV	264.00	200	Vertical	Pass
4	7486.000	53.33	1.41	74.0	20.67	Peak	0.00	300	Vertical	Pass
4**	7486.000	44.45	1.41	54.0	9.55	AV	0.00	300	Vertical	Pass
5	11775.537	52.14	-0.17	74.0	21.86	Peak	360.00	400	Vertical	Pass
5**	11775.537	42.93	-0.17	54.0	11.07	AV	360.00	400	Vertical	Pass
6	16424.738	54.03	2.84	74.0	19.97	Peak	318.00	400	Vertical	Pass
6**	16424.738	45.70	2.84	54.0	8.30	AV	318.00	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	1222.300	42.31	-17.74	74.0	31.69	Peak	264.00	100	Horizontal	Pass
1**	1222.300	33.19	-17.74	54.0	20.81	AV	264.00	100	Horizontal	Pass
2	2435.800	100.56	-10.14	74.0	-26.56	Peak	125.00	150	Horizontal	N/A
2**	2435.800	97.58	-10.14	54.0	-43.58	AV	125.00	150	Horizontal	N/A
3	4874.250	50.36	-3.45	74.0	23.64	Peak	89.00	200	Horizontal	Pass
3**	4874.250	46.24	-3.45	54.0	7.76	AV	89.00	200	Horizontal	Pass
4	7763.250	53.51	1.47	74.0	20.49	Peak	17.00	300	Horizontal	Pass
4**	7763.250	43.80	1.47	54.0	10.20	AV	17.00	300	Horizontal	Pass
5	12511.787	52.24	1.37	74.0	21.76	Peak	341.00	300	Horizontal	Pass
5**	12511.787	42.03	1.37	54.0	11.97	AV	341.00	300	Horizontal	Pass
6	17468.963	54.30	5.22	74.0	19.70	Peak	157.00	100	Horizontal	Pass
6**	17468.963	44.88	5.22	54.0	9.12	AV	157.00	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	1331.700	44.75	-16.90	74.0	29.25	Peak	244.00	300	Vertical	Pass
1**	1331.700	31.64	-16.90	54.0	22.36	AV	244.00	300	Vertical	Pass
2	2435.800	107.42	-10.14	74.0	-33.42	Peak	105.00	150	Vertical	N/A
2**	2435.800	104.47	-10.14	54.0	-50.47	AV	105.00	150	Vertical	N/A
3	4874.250	52.77	-3.45	74.0	21.23	Peak	265.00	200	Vertical	Pass
3**	4874.250	51.23	-3.45	54.0	2.77	AV	265.00	200	Vertical	Pass
4	7709.500	52.94	1.88	74.0	21.06	Peak	130.00	400	Vertical	Pass
4**	7709.500	43.45	1.88	54.0	10.55	AV	130.00	400	Vertical	Pass
5	11778.150	52.36	-0.17	74.0	21.64	Peak	358.00	100	Vertical	Pass
5**	11778.150	43.19	-0.17	54.0	10.81	AV	358.00	100	Vertical	Pass
6	17449.275	53.58	5.57	74.0	20.42	Peak	265.00	400	Vertical	Pass
6**	17449.275	44.35	5.57	54.0	9.65	AV	265.00	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	1227.800	42.50	-17.49	74.0	31.50	Peak	78.00	100	Horizontal	Pass
1**	1227.800	35.18	-17.49	54.0	18.82	AV	78.00	100	Horizontal	Pass
2	2460.800	100.68	-11.30	74.0	-26.68	Peak	278.00	200	Horizontal	N/A
2**	2460.800	97.69	-11.30	54.0	-43.69	AV	278.00	200	Horizontal	N/A
3	4924.250	49.73	-3.53	74.0	24.27	Peak	85.00	200	Horizontal	Pass
3**	4924.250	47.66	-3.53	54.0	6.34	AV	85.00	200	Horizontal	Pass
4	7491.750	53.11	1.21	74.0	20.89	Peak	198.00	300	Horizontal	Pass
4**	7491.750	43.48	1.21	54.0	10.52	AV	198.00	300	Horizontal	Pass
5	12417.500	52.48	1.08	74.0	21.52	Peak	350.00	100	Horizontal	Pass
5**	12417.500	42.65	1.08	54.0	11.35	AV	350.00	100	Horizontal	Pass
6	16878.074	54.32	3.09	74.0	19.68	Peak	99.00	100	Horizontal	Pass
6**	16878.074	45.58	3.09	54.0	8.42	AV	99.00	100	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	1165.500	44.28	-17.48	74.0	29.72	Peak	242.00	300	Vertical	Pass
1**	1165.500	36.88	-17.48	54.0	17.12	AV	242.00	300	Vertical	Pass
2	2460.800	107.07	-11.30	74.0	-33.07	Peak	107.00	150	Vertical	N/A
2**	2460.800	104.13	-11.30	54.0	-50.13	AV	107.00	150	Vertical	N/A
3	4924.250	53.67	-3.53	74.0	20.33	Peak	264.00	200	Vertical	Pass
3**	4924.250	51.67	-3.53	54.0	2.33	AV	264.00	200	Vertical	Pass
4	7495.250	52.97	0.96	74.0	21.03	Peak	293.00	100	Vertical	Pass
4**	7495.250	42.96	0.96	54.0	11.04	AV	293.00	100	Vertical	Pass
5	11786.225	52.20	-0.16	74.0	21.80	Peak	37.00	400	Vertical	Pass
5**	11786.225	43.81	-0.16	54.0	10.19	AV	37.00	400	Vertical	Pass
6	16397.963	54.11	3.09	74.0	19.89	Peak	13.00	400	Vertical	Pass
6**	16397.963	44.42	3.09	54.0	9.58	AV	13.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1211.800	45.77	-17.71	74.0	28.23	Peak	265.00	200	Horizontal	Pass
1**	1211.800	36.53	-17.71	54.0	17.47	AV	265.00	200	Horizontal	Pass
2	2410.600	104.90	-10.39	74.0	-30.90	Peak	128.00	100	Horizontal	N/A
2**	2410.600	97.53	-10.39	54.0	-43.53	AV	128.00	100	Horizontal	N/A
3	4952.750	49.27	-3.46	74.0	24.73	Peak	19.00	150	Horizontal	Pass
3**	4952.750	39.93	-3.46	54.0	14.07	AV	19.00	150	Horizontal	Pass
4	7593.500	53.20	0.95	74.0	20.80	Peak	187.00	300	Horizontal	Pass
4**	7593.500	42.96	0.95	54.0	11.04	AV	187.00	300	Horizontal	Pass
5	11786.463	52.37	-0.16	74.0	21.63	Peak	46.00	100	Horizontal	Pass
5**	11786.463	43.35	-0.16	54.0	10.65	AV	46.00	100	Horizontal	Pass
6	17304.637	54.16	2.68	74.0	19.84	Peak	126.00	300	Horizontal	Pass
6**	17304.637	45.34	2.68	54.0	8.66	AV	126.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.900	45.02	-16.89	74.0	28.98	Peak	302.00	100	Vertical	Pass
1**	1329.900	33.08	-16.89	54.0	20.92	AV	302.00	100	Vertical	Pass
2	2414.300	110.14	-10.20	74.0	-36.14	Peak	331.00	150	Vertical	N/A
2**	2414.300	102.45	-10.20	54.0	-48.45	AV	331.00	150	Vertical	N/A
3	4828.750	48.65	-3.70	74.0	25.35	Peak	60.00	200	Vertical	Pass
3**	4828.750	44.55	-3.70	54.0	9.45	AV	60.00	200	Vertical	Pass
4	7753.500	52.86	0.89	74.0	21.14	Peak	17.00	200	Vertical	Pass
4**	7753.500	44.61	0.89	54.0	9.39	AV	17.00	200	Vertical	Pass
5	11787.412	52.83	-0.16	74.0	21.17	Peak	327.00	400	Vertical	Pass
5**	11787.412	43.24	-0.16	54.0	10.76	AV	327.00	400	Vertical	Pass
6	16520.287	54.46	0.75	74.0	19.54	Peak	146.00	300	Vertical	Pass
6**	16520.287	44.16	0.75	54.0	9.84	AV	146.00	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	1225.700	45.61	-17.59	74.0	28.39	Peak	98.00	400	Horizontal	Pass
1**	1225.700	37.97	-17.59	54.0	16.03	AV	98.00	400	Horizontal	Pass
2	2434.900	103.74	-10.28	74.0	-29.74	Peak	139.00	200	Horizontal	N/A
2**	2434.900	96.23	-10.28	54.0	-42.23	AV	139.00	200	Horizontal	N/A
3	4868.250	49.18	-3.35	74.0	24.82	Peak	160.00	100	Horizontal	Pass
3**	4868.250	39.82	-3.35	54.0	14.18	AV	160.00	100	Horizontal	Pass
4	7478.500	53.25	0.57	74.0	20.75	Peak	253.00	100	Horizontal	Pass
4**	7478.500	43.16	0.57	54.0	10.84	AV	253.00	100	Horizontal	Pass
5	11780.525	52.18	-0.16	74.0	21.82	Peak	236.00	400	Horizontal	Pass
5**	11780.525	43.51	-0.16	54.0	10.49	AV	236.00	400	Horizontal	Pass
6	17461.613	54.47	5.35	74.0	19.53	Peak	119.00	200	Horizontal	Pass
6**	17461.613	45.05	5.35	54.0	8.95	AV	119.00	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	1161.400	43.23	-17.42	74.0	30.77	Peak	281.00	100	Vertical	Pass
1**	1161.400	32.23	-17.42	54.0	21.77	AV	281.00	100	Vertical	Pass
2	2436.000	110.42	-10.16	74.0	-36.42	Peak	96.00	100	Vertical	N/A
2**	2436.000	103.46	-10.16	54.0	-49.46	AV	96.00	100	Vertical	N/A
3	4873.750	49.22	-3.49	74.0	24.78	Peak	282.00	200	Vertical	Pass
3**	4873.750	45.44	-3.49	54.0	8.56	AV	282.00	200	Vertical	Pass
4	7729.750	53.56	0.53	74.0	20.44	Peak	344.00	200	Vertical	Pass
4**	7729.750	44.11	0.53	54.0	9.89	AV	344.00	200	Vertical	Pass
5	11780.050	52.02	-0.17	74.0	21.98	Peak	31.00	300	Vertical	Pass
5**	11780.050	43.10	-0.17	54.0	10.90	AV	31.00	300	Vertical	Pass
6	17290.988	54.21	2.60	74.0	19.79	Peak	289.00	200	Vertical	Pass
6**	17290.988	44.00	2.60	54.0	10.00	AV	289.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1238.300	46.90	-17.42	74.0	27.10	Peak	266.00	300	Horizontal	Pass
1**	1238.300	38.75	-17.42	54.0	15.25	AV	266.00	300	Horizontal	Pass
2	2460.800	101.26	-11.30	74.0	-27.26	Peak	283.00	200	Horizontal	N/A
2**	2460.800	93.50	-11.30	54.0	-39.50	AV	283.00	200	Horizontal	N/A
3	4943.500	49.12	-3.72	74.0	24.88	Peak	304.00	150	Horizontal	Pass
3**	4943.500	39.29	-3.72	54.0	14.71	AV	304.00	150	Horizontal	Pass
4	7719.000	53.46	1.13	74.0	20.54	Peak	12.00	100	Horizontal	Pass
4**	7719.000	43.88	1.13	54.0	10.12	AV	12.00	100	Horizontal	Pass
5	12269.776	52.11	0.89	74.0	21.89	Peak	274.00	200	Horizontal	Pass
5**	12269.776	43.06	0.89	54.0	10.94	AV	274.00	200	Horizontal	Pass
6	17460.038	54.28	5.38	74.0	19.72	Peak	221.00	100	Horizontal	Pass
6**	17460.038	44.72	5.38	54.0	9.28	AV	221.00	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	1330.500	47.23	-17.18	74.0	26.77	Peak	264.00	400	Vertical	Pass
1**	1330.500	32.43	-17.18	54.0	21.57	AV	264.00	400	Vertical	Pass
2	2460.700	109.58	-11.30	74.0	-35.58	Peak	320.00	100	Vertical	N/A
2**	2460.700	102.42	-11.30	54.0	-48.42	AV	320.00	100	Vertical	N/A
3	4923.000	51.74	-3.38	74.0	22.26	Peak	271.00	100	Vertical	Pass
3**	4923.000	45.54	-3.38	54.0	8.46	AV	271.00	100	Vertical	Pass
4	7485.500	53.19	1.35	74.0	20.81	Peak	182.00	200	Vertical	Pass
4**	7485.500	43.95	1.35	54.0	10.05	AV	182.00	200	Vertical	Pass
5	11775.062	51.92	-0.17	74.0	22.08	Peak	338.00	400	Vertical	Pass
5**	11775.062	43.10	-0.17	54.0	10.90	AV	338.00	400	Vertical	Pass
6	17291.250	54.29	2.60	74.0	19.71	Peak	266.00	200	Vertical	Pass
6**	17291.250	44.52	2.60	54.0	9.48	AV	266.00	200	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	1213.500	45.00	-17.23	74.0	29.00	Peak	278.00	100	Horizontal	Pass
1**	1213.500	36.97	-17.23	54.0	17.03	AV	278.00	100	Horizontal	Pass
2	2407.300	104.74	-10.52	74.0	-30.74	Peak	140.00	100	Horizontal	N/A
2**	2407.300	96.87	-10.52	54.0	-42.87	AV	140.00	100	Horizontal	N/A
3	4938.000	48.84	-3.44	74.0	25.16	Peak	236.00	150	Horizontal	Pass
3**	4938.000	38.90	-3.44	54.0	15.10	AV	236.00	150	Horizontal	Pass
4	7479.750	53.20	0.88	74.0	20.80	Peak	344.00	200	Horizontal	Pass
4**	7479.750	43.19	0.88	54.0	10.81	AV	344.00	200	Horizontal	Pass
5	11798.575	52.20	-0.15	74.0	21.80	Peak	213.00	300	Horizontal	Pass
5**	11798.575	42.96	-0.15	54.0	11.04	AV	213.00	300	Horizontal	Pass
6	16434.187	54.26	2.71	74.0	19.74	Peak	124.00	400	Horizontal	Pass
6**	16434.187	45.12	2.71	54.0	8.88	AV	124.00	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	1330.500	47.34	-17.18	74.0	26.66	Peak	262.00	200	Vertical	Pass
1**	1330.500	32.07	-17.18	54.0	21.93	AV	262.00	200	Vertical	Pass
2	2411.200	110.24	-10.33	74.0	-36.24	Peak	0.00	150	Vertical	N/A
2**	2411.200	103.11	-10.33	54.0	-49.11	AV	0.00	150	Vertical	N/A
3	4824.000	49.40	-3.61	74.0	24.60	Peak	295.00	200	Vertical	Pass
3**	4824.000	44.60	-3.61	54.0	9.40	AV	295.00	200	Vertical	Pass
4	7742.750	53.31	0.60	74.0	20.69	Peak	26.00	200	Vertical	Pass
4**	7742.750	45.04	0.60	54.0	8.96	AV	26.00	200	Vertical	Pass
5	11775.537	51.94	-0.17	74.0	22.06	Peak	62.00	100	Vertical	Pass
5**	11775.537	42.69	-0.17	54.0	11.31	AV	62.00	100	Vertical	Pass
6	16147.537	54.94	2.13	74.0	19.06	Peak	239.00	400	Vertical	Pass
6**	16147.537	44.19	2.13	54.0	9.81	AV	239.00	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	1225.500	46.47	-17.45	74.0	27.53	Peak	274.00	300	Horizontal	Pass
1**	1225.500	37.18	-17.45	54.0	16.82	AV	274.00	300	Horizontal	Pass
2	2439.000	103.21	-10.28	74.0	-29.21	Peak	135.00	150	Horizontal	N/A
2**	2439.000	95.35	-10.28	54.0	-41.35	AV	135.00	150	Horizontal	N/A
3	4955.750	48.79	-3.59	74.0	25.21	Peak	255.00	200	Horizontal	Pass
3**	4955.750	39.89	-3.59	54.0	14.11	AV	255.00	200	Horizontal	Pass
4	7725.000	53.57	0.71	74.0	20.43	Peak	146.00	100	Horizontal	Pass
4**	7725.000	43.06	0.71	54.0	10.94	AV	146.00	100	Horizontal	Pass
5	12531.738	52.34	1.26	74.0	21.66	Peak	325.00	400	Horizontal	Pass
5**	12531.738	42.19	1.26	54.0	11.81	AV	325.00	400	Horizontal	Pass
6	17268.150	54.46	2.51	74.0	19.54	Peak	246.00	200	Horizontal	Pass
6**	17268.150	45.16	2.51	54.0	8.84	AV	246.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	45.95	-17.13	74.0	28.05	Peak	327.00	400	Vertical	Pass
1**	1332.600	31.65	-17.13	54.0	22.35	AV	327.00	400	Vertical	Pass
2	2438.100	110.63	-10.22	74.0	-36.63	Peak	290.00	200	Vertical	N/A
2**	2438.100	103.93	-10.22	54.0	-49.93	AV	290.00	200	Vertical	N/A
3	4873.000	49.16	-3.62	74.0	24.84	Peak	275.00	200	Vertical	Pass
3**	4873.000	44.93	-3.62	54.0	9.07	AV	275.00	200	Vertical	Pass
4	7807.750	53.19	1.25	74.0	20.81	Peak	112.00	100	Vertical	Pass
4**	7807.750	43.76	1.25	54.0	10.24	AV	112.00	100	Vertical	Pass
5	11783.612	52.57	-0.16	74.0	21.43	Peak	206.00	100	Vertical	Pass
5**	11783.612	42.96	-0.16	54.0	11.04	AV	206.00	100	Vertical	Pass
6	16815.337	54.59	2.11	74.0	19.41	Peak	360.00	200	Vertical	Pass
6**	16815.337	44.34	2.11	54.0	9.66	AV	360.00	200	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	1238.600	46.52	-17.01	74.0	27.48	Peak	278.00	400	Horizontal	Pass
1**	1238.600	39.48	-17.01	54.0	14.52	AV	278.00	400	Horizontal	Pass
2	2461.000	100.80	-11.31	74.0	-26.80	Peak	278.00	100	Horizontal	N/A
2**	2461.000	93.69	-11.31	54.0	-39.69	AV	278.00	100	Horizontal	N/A
3	4912.250	48.96	-3.34	74.0	25.04	Peak	102.00	200	Horizontal	Pass
3**	4912.250	39.80	-3.34	54.0	14.20	AV	102.00	200	Horizontal	Pass
4	7359.750	54.28	0.94	74.0	19.72	Peak	316.00	100	Horizontal	Pass
4**	7359.750	43.62	0.94	54.0	10.38	AV	316.00	100	Horizontal	Pass
5	11790.026	52.33	-0.16	74.0	21.67	Peak	70.00	300	Horizontal	Pass
5**	11790.026	43.28	-0.16	54.0	10.72	AV	70.00	300	Horizontal	Pass
6	16849.463	54.63	3.54	74.0	19.37	Peak	7.00	400	Horizontal	Pass
6**	16849.463	44.89	3.54	54.0	9.11	AV	7.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.200	45.94	-17.03	74.0	28.06	Peak	257.00	400	Vertical	Pass
1**	1328.200	33.71	-17.03	54.0	20.29	AV	257.00	400	Vertical	Pass
2	2460.700	109.42	-11.30	74.0	-35.42	Peak	310.00	200	Vertical	N/A
2**	2460.700	102.76	-11.30	54.0	-48.76	AV	310.00	200	Vertical	N/A
3	4921.750	53.21	-3.28	74.0	20.79	Peak	285.00	200	Vertical	Pass
3**	4921.750	45.17	-3.28	54.0	8.83	AV	285.00	200	Vertical	Pass
4	7773.750	52.92	1.23	74.0	21.08	Peak	205.00	100	Vertical	Pass
4**	7773.750	43.97	1.23	54.0	10.03	AV	205.00	100	Vertical	Pass
5	11785.275	52.75	-0.16	74.0	21.25	Peak	87.00	400	Vertical	Pass
5**	11785.275	43.20	-0.16	54.0	10.80	AV	87.00	400	Vertical	Pass
6	16405.838	54.36	3.09	74.0	19.64	Peak	21.00	300	Vertical	Pass
6**	16405.838	45.59	3.09	54.0	8.41	AV	21.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1227.600	49.59	-17.41	74.0	24.41	Peak	273.00	300	Horizontal	Pass
1**	1227.600	41.28	-17.41	54.0	12.72	AV	273.00	300	Horizontal	Pass
2	2419.600	101.92	-10.00	74.0	-27.92	Peak	246.00	100	Horizontal	N/A
2**	2419.600	94.79	-10.00	54.0	-40.79	AV	246.00	100	Horizontal	N/A
3	4910.250	49.17	-3.32	74.0	24.83	Peak	51.00	150	Horizontal	Pass
3**	4910.250	39.70	-3.32	54.0	14.30	AV	51.00	150	Horizontal	Pass
4	7757.250	53.75	1.46	74.0	20.25	Peak	31.00	100	Horizontal	Pass
4**	7757.250	45.10	1.46	54.0	8.90	AV	31.00	100	Horizontal	Pass
5	11793.350	52.10	-0.15	74.0	21.90	Peak	206.00	100	Horizontal	Pass
5**	11793.350	44.19	-0.15	54.0	9.81	AV	206.00	100	Horizontal	Pass
6	16409.512	54.78	3.04	74.0	19.22	Peak	0.00	100	Horizontal	Pass
6**	16409.512	44.67	3.04	54.0	9.33	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1227.400	44.77	-17.49	74.0	29.23	Peak	23.00	100	Vertical	Pass
1**	1227.400	37.07	-17.49	54.0	16.93	AV	23.00	100	Vertical	Pass
2	2423.400	107.61	-10.23	74.0	-33.61	Peak	360.00	200	Vertical	N/A
2**	2423.400	99.93	-10.23	54.0	-45.93	AV	360.00	200	Vertical	N/A
3	3615.750	50.07	-7.21	74.0	23.93	Peak	15.00	150	Vertical	Pass
3**	3615.750	41.92	-7.21	54.0	12.08	AV	15.00	150	Vertical	Pass
4	7479.500	52.99	0.83	74.0	21.01	Peak	317.00	400	Vertical	Pass
4**	7479.500	44.05	0.83	54.0	9.95	AV	317.00	400	Vertical	Pass
5	12546.938	52.22	1.17	74.0	21.78	Peak	193.00	300	Vertical	Pass
5**	12546.938	42.98	1.17	54.0	11.02	AV	193.00	300	Vertical	Pass
6	17292.300	54.68	2.61	74.0	19.32	Peak	13.00	400	Vertical	Pass
6**	17292.300	45.67	2.61	54.0	8.33	AV	13.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1236.200	50.18	-17.51	74.0	23.82	Peak	280.00	100	Horizontal	Pass
1**	1236.200	43.64	-17.51	54.0	10.36	AV	280.00	100	Horizontal	Pass
2	2433.800	100.47	-10.50	74.0	-26.47	Peak	137.00	150	Horizontal	N/A
2**	2433.800	92.23	-10.50	54.0	-38.23	AV	137.00	150	Horizontal	N/A
3	4956.500	49.06	-3.66	74.0	24.94	Peak	126.00	100	Horizontal	Pass
3**	4956.500	39.91	-3.66	54.0	14.09	AV	126.00	100	Horizontal	Pass
4	7867.250	53.79	1.59	74.0	20.21	Peak	299.00	200	Horizontal	Pass
4**	7867.250	43.40	1.59	54.0	10.60	AV	299.00	200	Horizontal	Pass
5	11786.463	52.90	-0.16	74.0	21.10	Peak	339.00	300	Horizontal	Pass
5**	11786.463	43.31	-0.16	54.0	10.69	AV	339.00	300	Horizontal	Pass
6	16778.849	53.88	1.54	74.0	20.12	Peak	95.00	400	Horizontal	Pass
6**	16778.849	44.38	1.54	54.0	9.62	AV	95.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.200	45.49	-17.66	74.0	28.51	Peak	258.00	400	Vertical	Pass
1**	1166.200	31.93	-17.66	54.0	22.07	AV	258.00	400	Vertical	Pass
2	2434.200	107.61	-10.40	74.0	-33.61	Peak	69.00	100	Vertical	N/A
2**	2434.200	99.97	-10.40	54.0	-45.97	AV	69.00	100	Vertical	N/A
3	4877.750	50.46	-3.54	74.0	23.54	Peak	283.00	200	Vertical	Pass
3**	4877.750	40.71	-3.54	54.0	13.29	AV	283.00	200	Vertical	Pass
4	7835.000	53.46	1.03	74.0	20.54	Peak	224.00	200	Vertical	Pass
4**	7835.000	44.11	1.03	54.0	9.89	AV	224.00	200	Vertical	Pass
5	12283.312	52.71	0.74	74.0	21.29	Peak	237.00	200	Vertical	Pass
5**	12283.312	42.11	0.74	54.0	11.89	AV	237.00	200	Vertical	Pass
6	16173.263	54.07	1.99	74.0	19.93	Peak	151.00	300	Vertical	Pass
6**	16173.263	44.33	1.99	54.0	9.67	AV	151.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1242.700	50.24	-17.20	74.0	23.76	Peak	156.00	400	Horizontal	Pass
1**	1242.700	41.77	-17.20	54.0	12.23	AV	156.00	400	Horizontal	Pass
2	2450.100	98.54	-10.35	74.0	-24.54	Peak	137.00	200	Horizontal	N/A
2**	2450.100	91.25	-10.35	54.0	-37.25	AV	137.00	200	Horizontal	N/A
3	4988.750	48.89	-2.94	74.0	25.11	Peak	344.00	150	Horizontal	Pass
3**	4988.750	39.96	-2.94	54.0	14.04	AV	344.00	150	Horizontal	Pass
4	7535.250	52.83	0.24	74.0	21.17	Peak	265.00	400	Horizontal	Pass
4**	7535.250	42.73	0.24	54.0	11.27	AV	265.00	400	Horizontal	Pass
5	12525.799	52.38	1.29	74.0	21.62	Peak	245.00	100	Horizontal	Pass
5**	12525.799	42.75	1.29	54.0	11.25	AV	245.00	100	Horizontal	Pass
6	17316.712	54.23	2.79	74.0	19.77	Peak	237.00	400	Horizontal	Pass
6**	17316.712	44.23	2.79	54.0	9.77	AV	237.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.700	44.78	-16.90	74.0	29.22	Peak	237.00	200	Vertical	Pass
1**	1331.700	32.04	-16.90	54.0	21.96	AV	237.00	200	Vertical	Pass
2	2450.500	107.05	-10.20	74.0	-33.05	Peak	32.00	200	Vertical	N/A
2**	2450.500	100.08	-10.20	54.0	-46.08	AV	32.00	200	Vertical	N/A
3	4904.250	49.89	-3.14	74.0	24.11	Peak	265.00	150	Vertical	Pass
3**	4904.250	43.49	-3.14	54.0	10.51	AV	265.00	150	Vertical	Pass
4	7774.500	53.32	1.45	74.0	20.68	Peak	102.00	400	Vertical	Pass
4**	7774.500	43.74	1.45	54.0	10.26	AV	102.00	400	Vertical	Pass
5	12506.325	52.69	1.40	74.0	21.31	Peak	293.00	100	Vertical	Pass
5**	12506.325	42.66	1.40	54.0	11.34	AV	293.00	100	Vertical	Pass
6	16694.587	54.07	2.97	74.0	19.93	Peak	346.00	100	Vertical	Pass
6**	16694.587	44.07	2.97	54.0	9.93	AV	346.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.900	46.60	-17.46	74.0	27.40	Peak	113.00	100	Horizontal	Pass
1**	1214.900	37.12	-17.46	54.0	16.88	AV	113.00	100	Horizontal	Pass
2	2409.600	106.17	-10.56	74.0	-32.17	Peak	147.00	200	Horizontal	N/A
2**	2409.600	96.79	-10.56	54.0	-42.79	AV	147.00	200	Horizontal	N/A
3	4897.750	48.39	-3.38	74.0	25.61	Peak	303.00	100	Horizontal	Pass
3**	4897.750	38.91	-3.38	54.0	15.09	AV	303.00	100	Horizontal	Pass
4	7357.000	52.85	0.81	74.0	21.15	Peak	285.00	100	Horizontal	Pass
4**	7357.000	43.56	0.81	54.0	10.44	AV	285.00	100	Horizontal	Pass
5	11560.600	52.25	-1.11	74.0	21.75	Peak	272.00	400	Horizontal	Pass
5**	11560.600	42.42	-1.11	54.0	11.58	AV	272.00	400	Horizontal	Pass
6	16425.000	54.67	2.83	74.0	19.33	Peak	120.00	100	Horizontal	Pass
6**	16425.000	45.32	2.83	54.0	8.68	AV	120.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.900	43.51	-17.17	74.0	30.49	Peak	270.00	100	Vertical	Pass
1**	1332.900	31.83	-17.17	54.0	22.17	AV	270.00	100	Vertical	Pass
2	2410.700	112.24	-10.37	74.0	-38.24	Peak	31.00	100	Vertical	N/A
2**	2410.700	102.71	-10.37	54.0	-48.71	AV	31.00	100	Vertical	N/A
3	4818.000	49.90	-2.89	74.0	24.10	Peak	285.00	200	Vertical	Pass
3**	4818.000	41.85	-2.89	54.0	12.15	AV	285.00	200	Vertical	Pass
4	7798.750	52.71	0.69	74.0	21.29	Peak	43.00	200	Vertical	Pass
4**	7798.750	43.17	0.69	54.0	10.83	AV	43.00	200	Vertical	Pass
5	12548.838	51.68	1.16	74.0	22.32	Peak	181.00	200	Vertical	Pass
5**	12548.838	41.95	1.16	54.0	12.05	AV	181.00	200	Vertical	Pass
6	17479.989	54.72	5.01	74.0	19.28	Peak	57.00	400	Vertical	Pass
6**	17479.989	44.84	5.01	54.0	9.16	AV	57.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1226.100	46.64	-17.71	74.0	27.36	Peak	115.00	300	Horizontal	Pass
1**	1226.100	37.91	-17.71	54.0	16.09	AV	115.00	300	Horizontal	Pass
2	2436.000	104.32	-10.16	74.0	-30.32	Peak	337.00	150	Horizontal	N/A
2**	2436.000	96.48	-10.16	54.0	-42.48	AV	337.00	150	Horizontal	N/A
3	4971.250	48.67	-3.69	74.0	25.33	Peak	178.00	150	Horizontal	Pass
3**	4971.250	39.81	-3.69	54.0	14.19	AV	178.00	150	Horizontal	Pass
4	7926.500	53.48	1.77	74.0	20.52	Peak	360.00	100	Horizontal	Pass
4**	7926.500	43.63	1.77	54.0	10.37	AV	360.00	100	Horizontal	Pass
5	12539.099	52.07	1.21	74.0	21.93	Peak	159.00	100	Horizontal	Pass
5**	12539.099	42.10	1.21	54.0	11.90	AV	159.00	100	Horizontal	Pass
6	17462.925	54.09	5.33	74.0	19.91	Peak	18.00	200	Horizontal	Pass
6**	17462.925	44.37	5.33	54.0	9.63	AV	18.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.100	43.24	-17.70	74.0	30.76	Peak	274.00	200	Vertical	Pass
1**	1162.100	32.74	-17.70	54.0	21.26	AV	274.00	200	Vertical	Pass
2	2435.300	111.80	-10.19	74.0	-37.80	Peak	257.00	200	Vertical	N/A
2**	2435.300	102.98	-10.19	54.0	-48.98	AV	257.00	200	Vertical	N/A
3	4878.750	50.12	-3.67	74.0	23.88	Peak	298.00	200	Vertical	Pass
3**	4878.750	40.84	-3.67	54.0	13.16	AV	298.00	200	Vertical	Pass
4	7190.750	52.89	0.21	74.0	21.11	Peak	0.00	400	Vertical	Pass
4**	7190.750	42.36	0.21	54.0	11.64	AV	0.00	400	Vertical	Pass
5	12379.737	51.44	1.00	74.0	22.56	Peak	127.00	400	Vertical	Pass
5**	12379.737	41.61	1.00	54.0	12.39	AV	127.00	400	Vertical	Pass
6	17284.162	53.48	2.57	74.0	20.52	Peak	79.00	200	Vertical	Pass
6**	17284.162	45.67	2.57	54.0	8.33	AV	79.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1238.300	49.21	-17.42	74.0	24.79	Peak	118.00	200	Horizontal	Pass
1**	1238.300	39.44	-17.42	54.0	14.56	AV	118.00	200	Horizontal	Pass
2	2461.500	104.00	-11.44	74.0	-30.00	Peak	285.00	200	Horizontal	N/A
2**	2461.500	94.90	-11.44	54.0	-40.90	AV	285.00	200	Horizontal	N/A
3	4960.750	48.68	-3.50	74.0	25.32	Peak	360.00	200	Horizontal	Pass
3**	4960.750	40.47	-3.50	54.0	13.53	AV	360.00	200	Horizontal	Pass
4	7758.750	53.03	1.59	74.0	20.97	Peak	55.00	400	Horizontal	Pass
4**	7758.750	44.54	1.59	54.0	9.46	AV	55.00	400	Horizontal	Pass
5	11686.713	51.72	-0.74	74.0	22.28	Peak	0.00	100	Horizontal	Pass
5**	11686.713	41.97	-0.74	54.0	12.03	AV	0.00	100	Horizontal	Pass
6	16829.776	53.58	2.72	74.0	20.42	Peak	287.00	100	Horizontal	Pass
6**	16829.776	43.16	2.72	54.0	10.84	AV	287.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.000	45.80	-17.80	74.0	28.20	Peak	284.00	300	Vertical	Pass
1**	1162.000	31.58	-17.80	54.0	22.42	AV	284.00	300	Vertical	Pass
2	2465.000	110.47	-11.39	74.0	-36.47	Peak	100.00	200	Vertical	N/A
2**	2465.000	100.80	-11.39	54.0	-46.80	AV	100.00	200	Vertical	N/A
3	4923.000	50.51	-3.38	74.0	23.49	Peak	297.00	100	Vertical	Pass
3**	4923.000	41.98	-3.38	54.0	12.02	AV	297.00	100	Vertical	Pass
4	7925.750	53.63	1.60	74.0	20.37	Peak	237.00	400	Vertical	Pass
4**	7925.750	43.84	1.60	54.0	10.16	AV	237.00	400	Vertical	Pass
5	11700.963	51.63	-0.51	74.0	22.37	Peak	189.00	200	Vertical	Pass
5**	11700.963	41.60	-0.51	54.0	12.40	AV	189.00	200	Vertical	Pass
6	16411.350	53.65	3.02	74.0	20.35	Peak	123.00	100	Vertical	Pass
6**	16411.350	44.73	3.02	54.0	9.27	AV	123.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1227.700	49.54	-17.42	74.0	24.46	Peak	129.00	200	Horizontal	Pass
1**	1227.700	41.57	-17.42	54.0	12.43	AV	129.00		Horizontal	Pass
2	2419.500	103.96	-9.96	74.0	-29.96	Peak	146.00	200	Horizontal	N/A
2**	2419.500	94.47	-9.96	54.0	-40.47	AV	146.00	200	Horizontal	N/A
3	4825.500	49.07	-3.78	74.0	24.93	Peak	222.00	100	Horizontal	Pass
3**	4825.500	39.42	-3.78	54.0	14.58	AV	222.00	100	Horizontal	Pass
4	7806.250	52.84	0.65	74.0	21.16	Peak	360.00	400	Horizontal	Pass
4**	7806.250	42.97	0.65	54.0	11.03	AV	360.00	400	Horizontal	Pass
5	12542.188	52.35	1.20	74.0	21.65	Peak	79.00	300	Horizontal	Pass
5**	12542.188	43.12	1.20	54.0	10.88	AV	79.00	300	Horizontal	Pass
6	17307.787	54.54	2.71	74.0	19.46	Peak	0.00	200	Horizontal	Pass
6**	17307.787	43.92	2.71	54.0	10.08	AV	0.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.500	46.54	-17.48	74.0	27.46	Peak	276.00	100	Vertical	Pass
1**	1165.500	34.91	-17.48	54.0	19.09	AV	276.00	100	Vertical	Pass
2	2426.800	108.28	-10.33	74.0	-34.28	Peak	128.00	200	Vertical	N/A
2**	2426.800	99.31	-10.33	54.0	-45.31	AV	128.00	200	Vertical	N/A
3	3614.500	49.24	-7.03	74.0	24.76	Peak	356.00	100	Vertical	Pass
3**	3614.500	40.38	-7.03	54.0	13.62	AV	356.00	100	Vertical	Pass
4	7756.500	52.87	1.25	74.0	21.13	Peak	0.00	300	Vertical	Pass
4**	7756.500	44.51	1.25	54.0	9.49	AV	0.00	300	Vertical	Pass
5	12545.750	51.94	1.17	74.0	22.06	Peak	308.00	200	Vertical	Pass
5**	12545.750	42.04	1.17	54.0	11.96	AV	308.00	200	Vertical	Pass
6	16411.088	53.72	3.02	74.0	20.28	Peak	67.00	200	Vertical	Pass
6**	16411.088	44.85	3.02	54.0	9.15	AV	67.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1236.500	51.26	-17.43	74.0	22.74	Peak	111.00	100	Horizontal	Pass
1**	1236.500	41.76	-17.43	54.0	12.24	AV	111.00	100	Horizontal	Pass
2	2434.800	102.14	-10.27	74.0	-28.14	Peak	140.00	100	Horizontal	N/A
2**	2434.800	94.41	-10.27	54.0	-40.41	AV	140.00	100	Horizontal	N/A
3	4898.000	48.32	-3.35	74.0	25.68	Peak	0.00	200	Horizontal	Pass
3**	4898.000	39.77	-3.35	54.0	14.23	AV	0.00	200	Horizontal	Pass
4	7355.750	52.50	0.45	74.0	21.50	Peak	87.00	100	Horizontal	Pass
4**	7355.750	43.65	0.45	54.0	10.35	AV	87.00	100	Horizontal	Pass
5	9809.512	51.84	-2.31	74.0	22.16	Peak	307.00	100	Horizontal	Pass
5**	9809.512	41.00	-2.31	54.0	13.00	AV	307.00	100	Horizontal	Pass
6	16752.600	53.77	1.63	74.0	20.23	Peak	46.00	400	Horizontal	Pass
6**	16752.600	43.08	1.63	54.0	10.92	AV	46.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.300	46.70	-17.49	74.0	27.30	Peak	270.00	400	Vertical	Pass
1**	1165.300	34.36	-17.49	54.0	19.64	AV	270.00	400	Vertical	Pass
2	2438.800	109.48	-10.20	74.0	-35.48	Peak	76.00	150	Vertical	N/A
2**	2438.800	99.72	-10.20	54.0	-45.72	AV	76.00	150	Vertical	N/A
3	4875.250	50.65	-3.55	74.0	23.35	Peak	295.00	150	Vertical	Pass
3**	4875.250	39.49	-3.55	54.0	14.51	AV	295.00	150	Vertical	Pass
4	7724.250	53.63	0.69	74.0	20.37	Peak	145.00	400	Vertical	Pass
4**	7724.250	43.41	0.69	54.0	10.59	AV	145.00	400	Vertical	Pass
5	12543.849	52.13	1.19	74.0	21.87	Peak	65.00	100	Vertical	Pass
5**	12543.849	42.15	1.19	54.0	11.85	AV	65.00	100	Vertical	Pass
6	17425.125	53.55	5.50	74.0	20.45	Peak	234.00	300	Vertical	Pass
6**	17425.125	43.70	5.50	54.0	10.30	AV	234.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1243.900	53.17	-17.11	74.0	20.83	Peak	130.00	200	Horizontal	Pass
1**	1243.900	44.06	-17.11	54.0	9.94	AV	130.00	200	Horizontal	Pass
2	2441.600	100.62	-9.74	74.0	-26.62	Peak	296.00	100	Horizontal	N/A
2**	2441.600	89.82	-9.74	54.0	-35.82	AV	296.00	100	Horizontal	N/A
3	4949.750	48.92	-3.47	74.0	25.08	Peak	94.00	100	Horizontal	Pass
3**	4949.750	39.49	-3.47	54.0	14.51	AV	94.00	100	Horizontal	Pass
4	7930.000	52.82	2.12	74.0	21.18	Peak	319.00	100	Horizontal	Pass
4**	7930.000	44.38	2.12	54.0	9.62	AV	319.00	100	Horizontal	Pass
5	12038.450	51.84	-0.05	74.0	22.16	Peak	360.00	400	Horizontal	Pass
5**	12038.450	41.93	-0.05	54.0	12.07	AV	360.00	400	Horizontal	Pass
6	16172.213	53.62	2.00	74.0	20.38	Peak	196.00	200	Horizontal	Pass
6**	16172.213	43.89	2.00	54.0	10.11	AV	196.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1243.700	46.40	-17.12	74.0	27.60	Peak	102.00	200	Vertical	Pass
1**	1243.700	37.03	-17.12	54.0	16.97	AV	102.00	200	Vertical	Pass
2	2451.200	109.28	-10.42	74.0	-35.28	Peak	267.00	100	Vertical	N/A
2**	2451.200	100.13	-10.42	54.0	-46.13	AV	267.00	100	Vertical	N/A
3	4910.000	49.61	-3.35	74.0	24.39	Peak	69.00	200	Vertical	Pass
3**	4910.000	40.05	-3.35	54.0	13.95	AV	69.00	200	Vertical	Pass
4	7754.750	52.93	1.19	74.0	21.07	Peak	280.00	100	Vertical	Pass
4**	7754.750	43.77	1.19	54.0	10.23	AV	280.00	100	Vertical	Pass
5	12420.350	52.23	1.08	74.0	21.77	Peak	89.00	100	Vertical	Pass
5**	12420.350	42.63	1.08	54.0	11.37	AV	89.00	100	Vertical	Pass
6	17296.761	54.34	2.62	74.0	19.66	Peak	256.00	400	Vertical	Pass
6**	17296.761	44.60	2.62	54.0	9.40	AV	256.00	400	Vertical	Pass

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

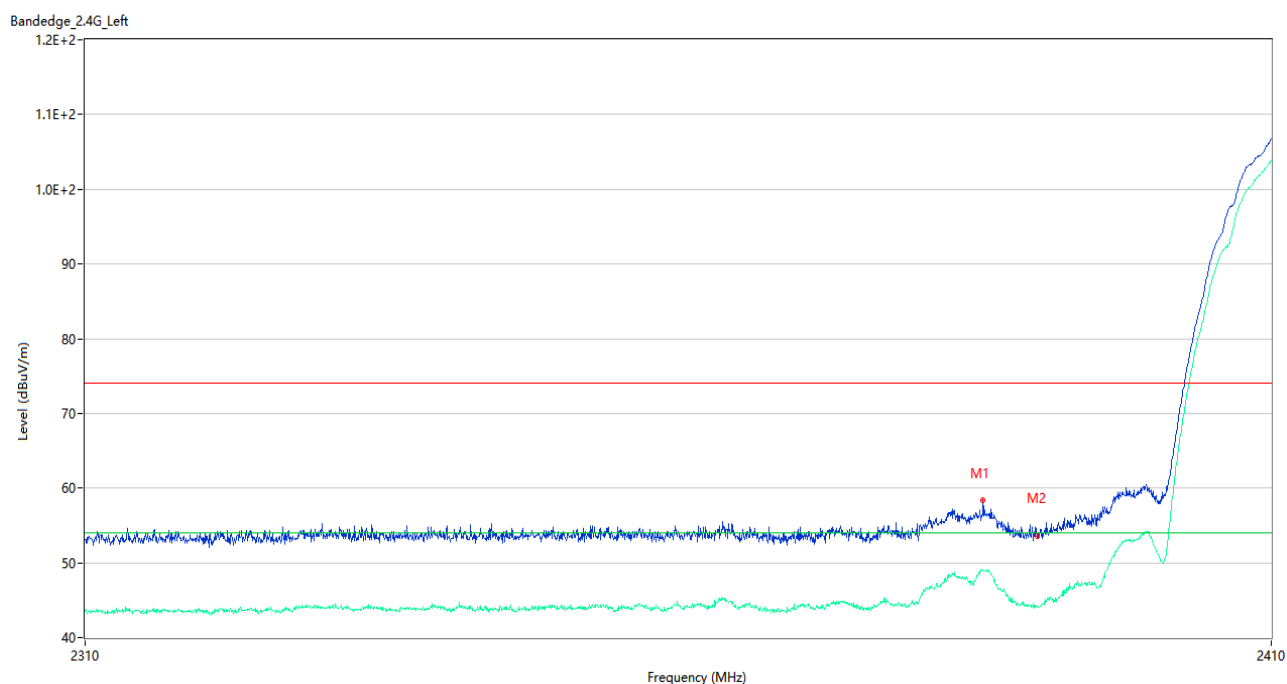
Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

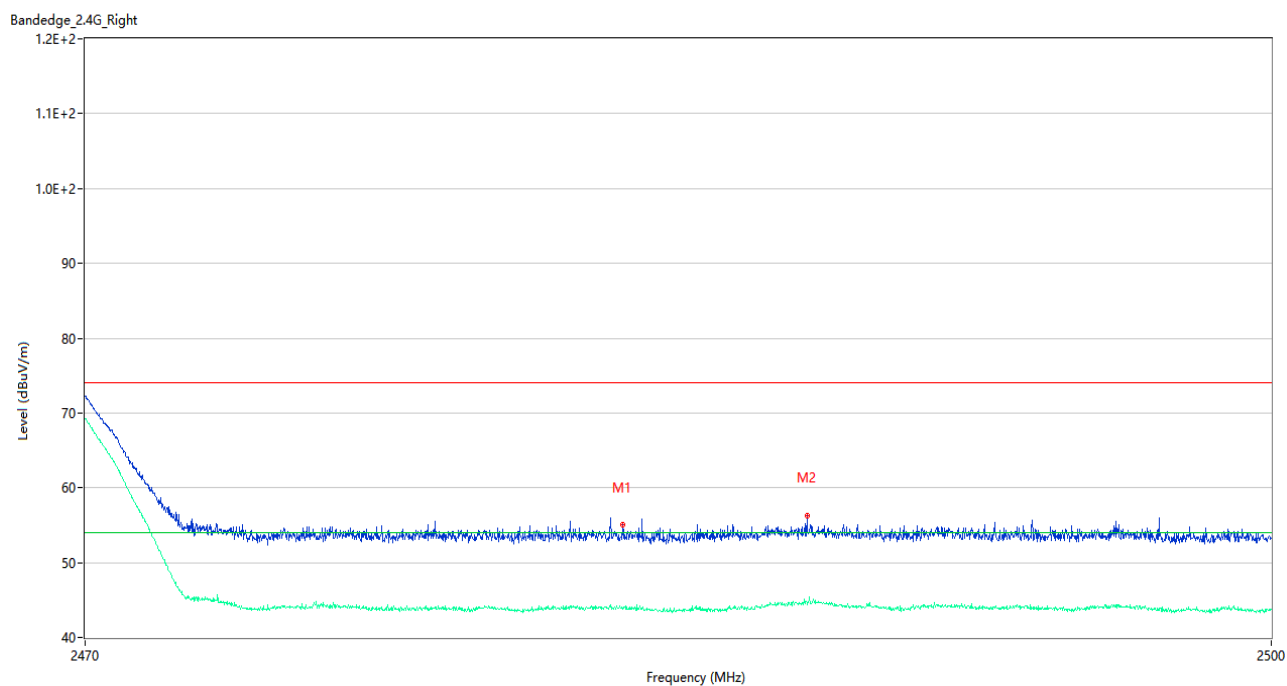
Test Data and Plots

802.11b LOW CHANNEL



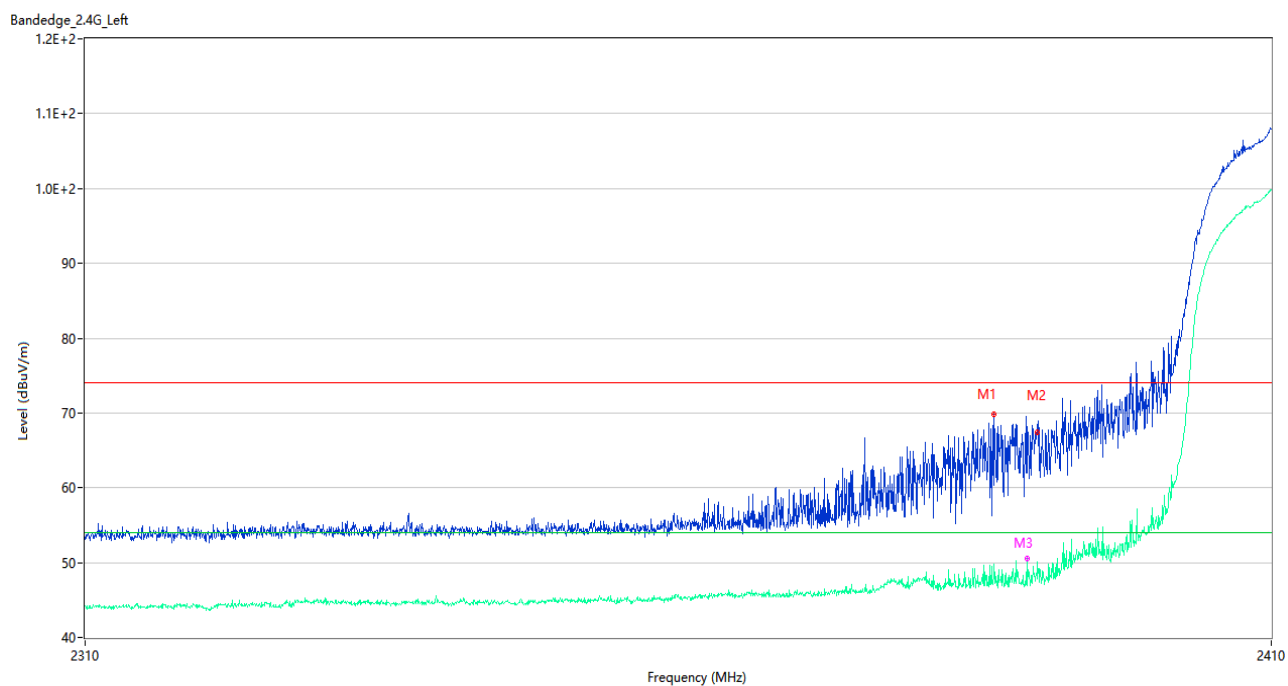
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.300	58.36	-1.51	74.0	15.64	Peak	79.00	200	Vertical	Pass
1**	2385.300	49.07	-1.51	54.0	4.93	AV	79.00	200	Vertical	Pass
2	2389.950	53.61	-1.82	74.0	20.39	Peak	55.00	200	Vertical	Pass
2**	2389.950	44.09	-1.82	54.0	9.91	AV	55.00	200	Vertical	Pass

802.11b HIGH CHANNEL



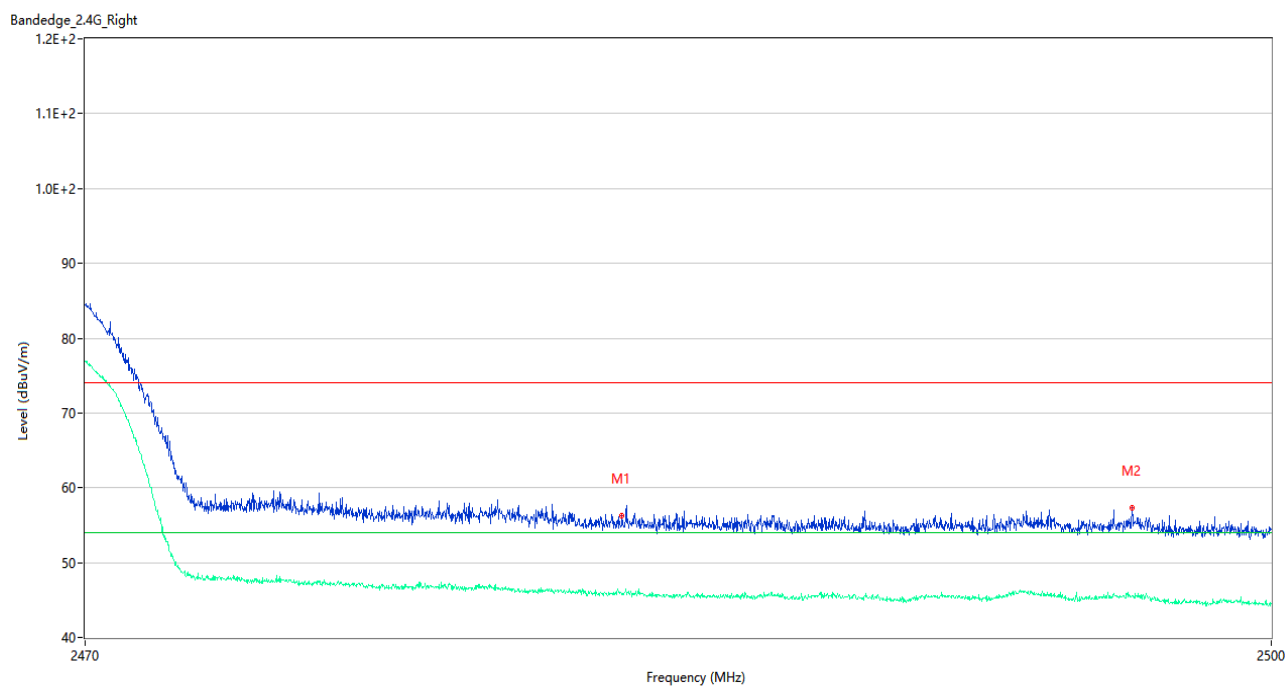
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	55.05	-1.09	74.0	18.95	Peak	283.00	200	Vertical	Pass
1**	2483.545	43.77	-1.09	54.0	10.23	AV	283.00	200	Vertical	Pass
2	2488.210	56.33	-1.09	74.0	17.67	Peak	317.00	150	Vertical	Pass
2**	2488.210	44.64	-1.09	54.0	9.36	AV	317.00	150	Vertical	Pass

802.11g LOW CHANNEL



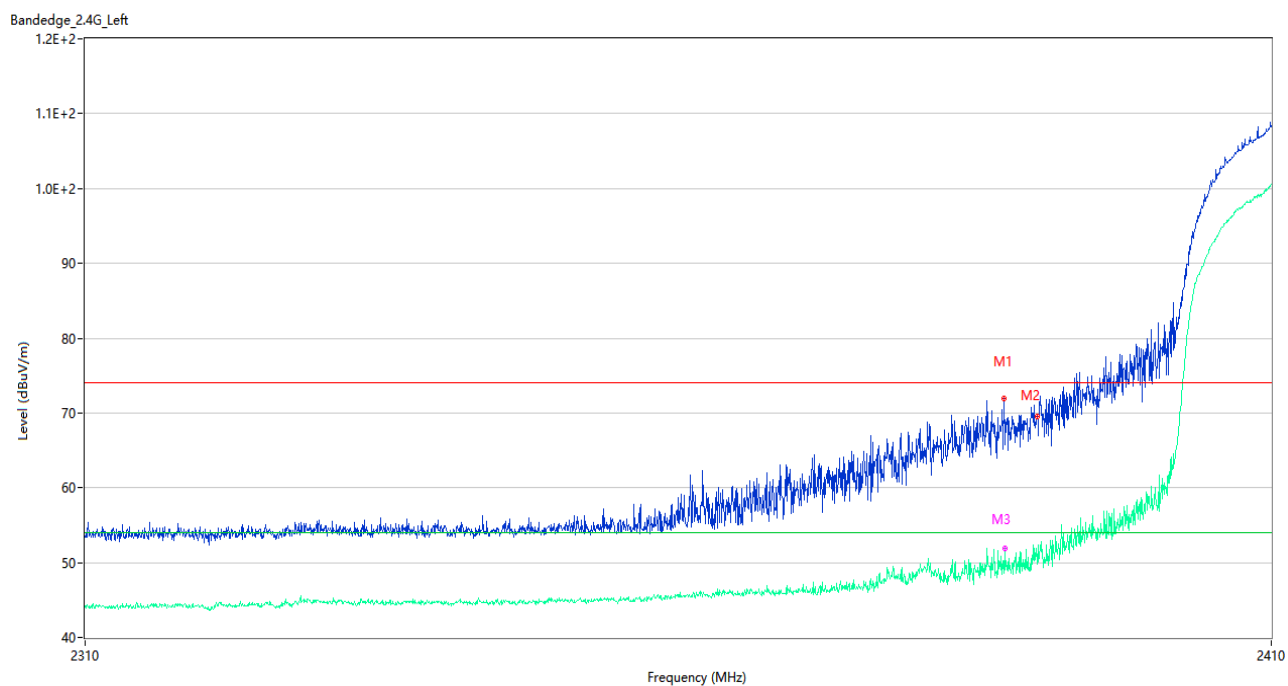
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.200	69.84	-1.36	74.0	4.16	Peak	50.00	200	Vertical	Pass
1**	2386.200	48.41	-1.36	54.0	5.59	AV	50.00	200	Vertical	Pass
2	2389.950	67.44	-1.82	74.0	6.56	Peak	103.00	200	Vertical	Pass
2**	2389.950	50.14	-1.82	54.0	3.86	AV	103.00	200	Vertical	Pass
3	2389.050	62.03	-1.88	74.0	11.97	Peak	323.00	150	Vertical	Pass
3**	2389.050	50.56	-1.88	54.0	3.44	AV	323.00	150	Vertical	Pass

802.11g HIGH CHANNEL



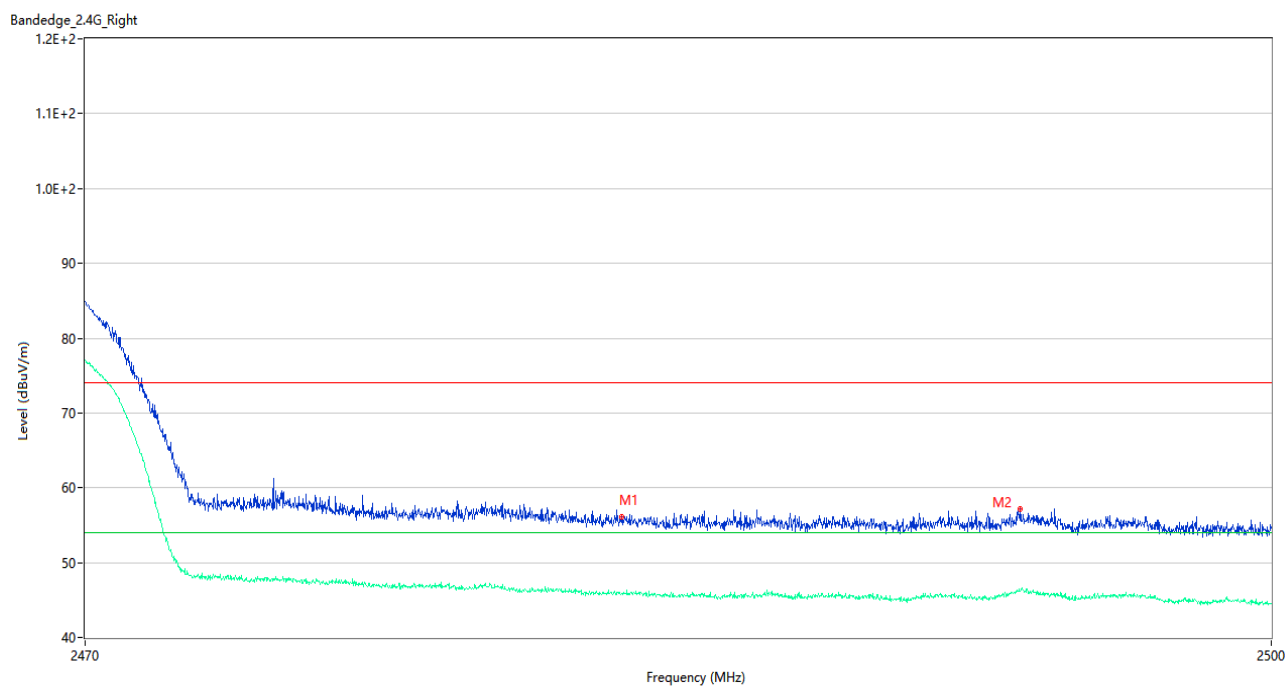
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	56.31	-1.10	74.0	17.69	Peak	45.00	150	Vertical	Pass
1**	2483.530	45.66	-1.10	54.0	8.34	AV	45.00	150	Vertical	Pass
2	2496.460	57.26	-0.85	74.0	16.74	Peak	52.00	150	Vertical	Pass
2**	2496.460	45.58	-0.85	54.0	8.42	AV	52.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



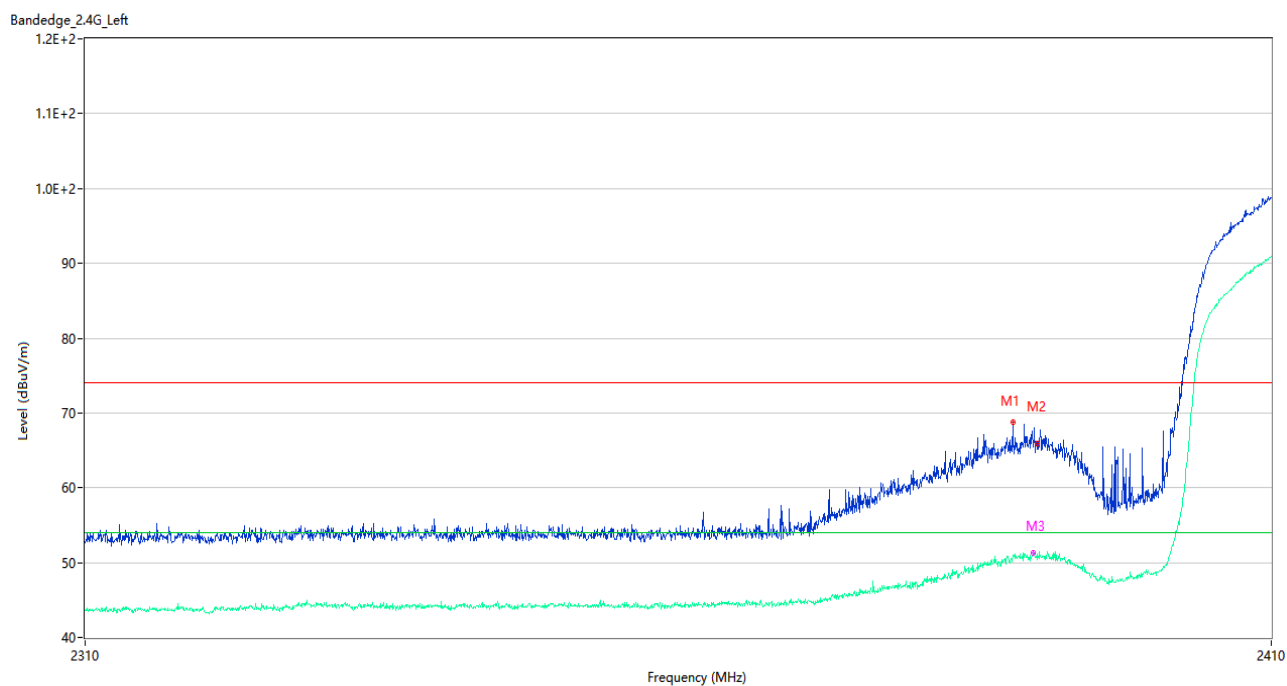
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.100	71.87	-1.66	74.0	2.13	Peak	0.00	200	Vertical	Pass
1**	2387.100	48.61	-1.66	54.0	5.39	AV	0.00	200	Vertical	Pass
2	2389.950	69.57	-1.82	74.0	4.43	Peak	33.00	100	Vertical	Pass
2**	2389.950	49.91	-1.82	54.0	4.09	AV	33.00	100	Vertical	Pass
3	2387.150	66.54	-1.68	74.0	7.46	Peak	227.00	100	Vertical	Pass
3**	2387.150	51.84	-1.68	54.0	2.16	AV	227.00	100	Vertical	Pass

802.11n20 HIGH CHANNEL



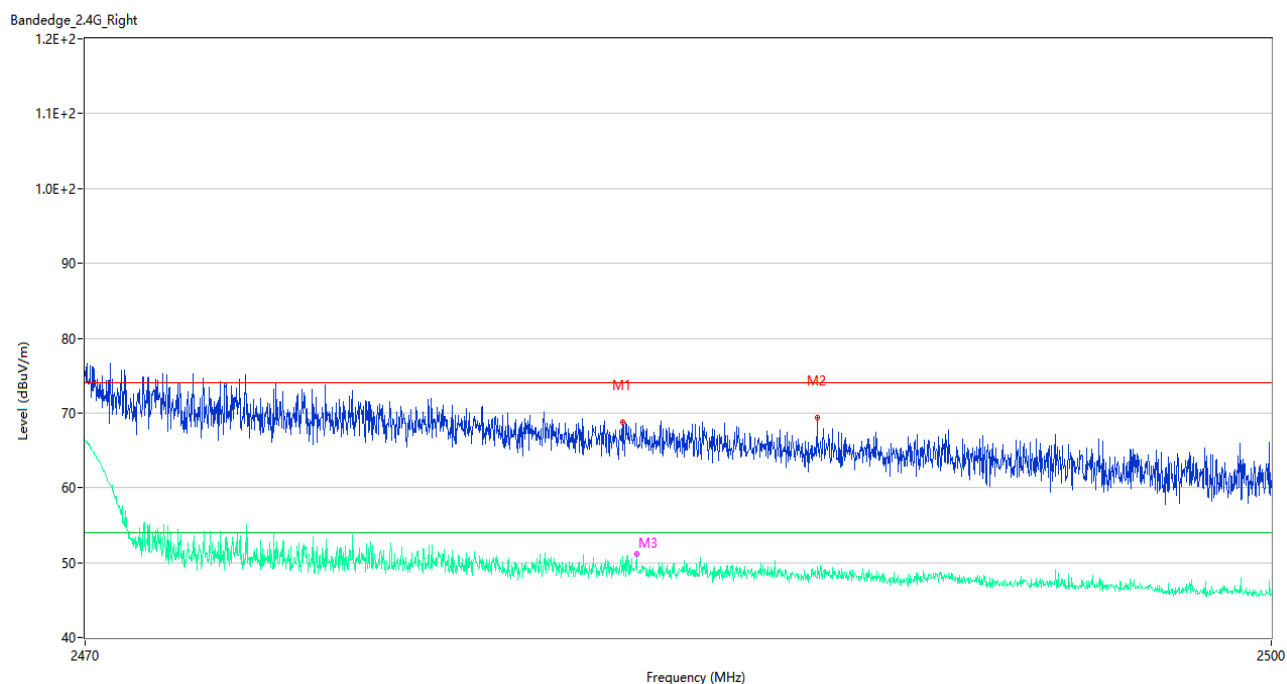
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	56.08	-1.10	74.0	17.92	Peak	52.00	100	Vertical	Pass
1**	2483.530	45.95	-1.10	54.0	8.05	AV	52.00	100	Vertical	Pass
2	2493.625	57.23	-0.84	74.0	16.77	Peak	49.00	150	Vertical	Pass
2**	2493.625	46.22	-0.84	54.0	7.78	AV	49.00	150	Vertical	Pass

802.11n40 LOW CHANNEL



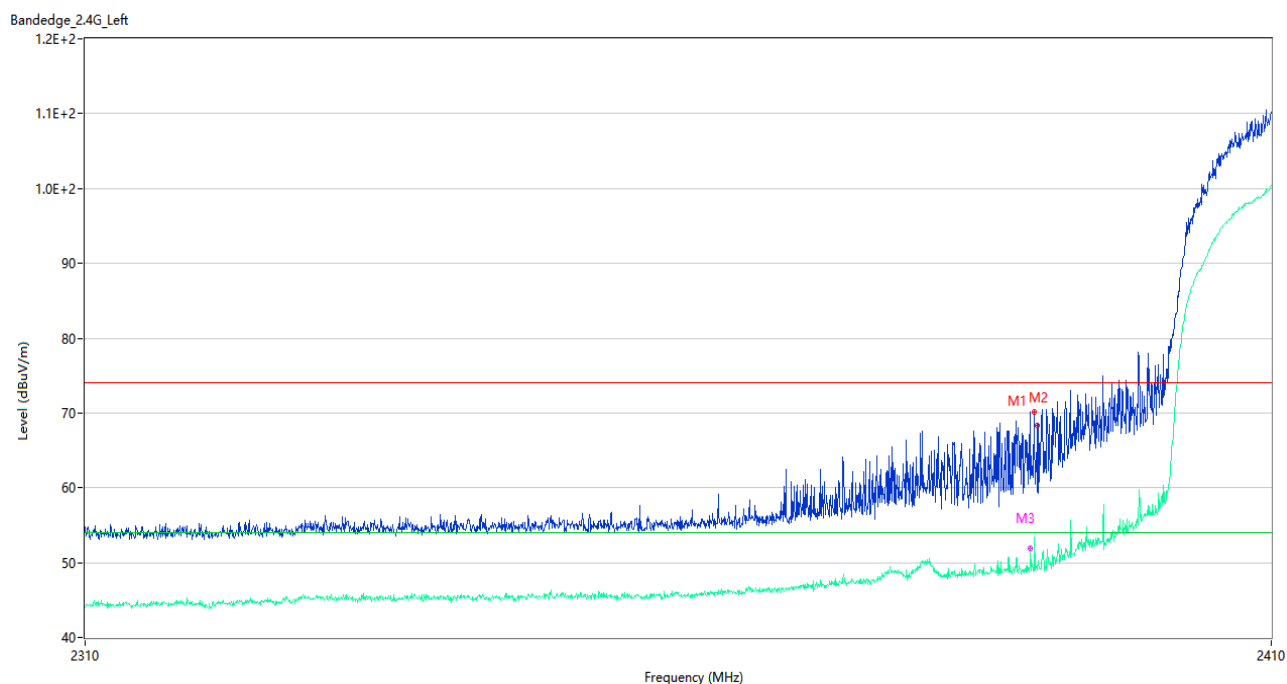
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.850	68.80	-1.61	74.0	5.20	Peak	27.00	100	Vertical	Pass
1**	2387.850	51.06	-1.61	54.0	2.94	AV	27.00	100	Vertical	Pass
2	2389.950	65.93	-1.82	74.0	8.07	Peak	159.00	100	Vertical	Pass
2**	2389.950	51.07	-1.82	54.0	2.93	AV	159.00	100	Vertical	Pass
3	2389.600	65.64	-1.73	74.0	8.36	Peak	337.00	100	Vertical	Pass
3**	2389.600	51.24	-1.73	54.0	2.76	AV	337.00	100	Vertical	Pass

802.11n40 HIGH CHANNEL



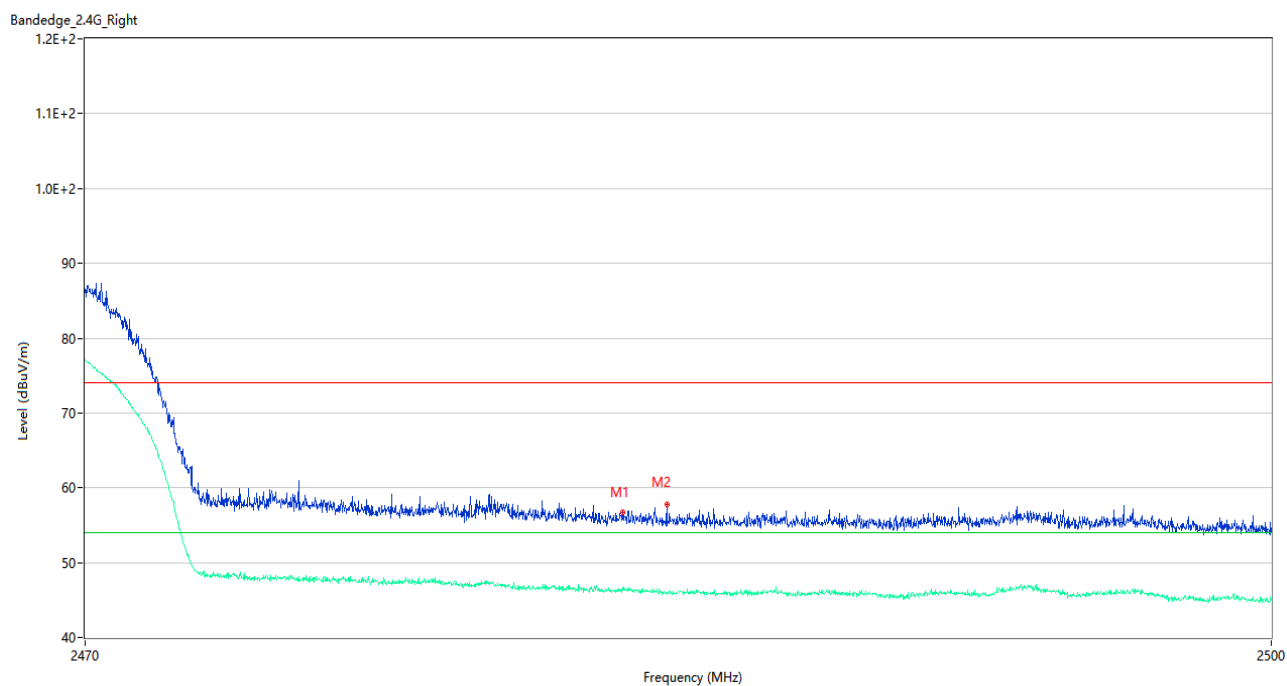
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	68.74	-1.09	74.0	5.26	Peak	0.00	100	Vertical	Pass
1**	2483.560	49.56	-1.09	54.0	4.44	AV	0.00	100	Vertical	Pass
2	2488.465	69.39	-0.92	74.0	4.61	Peak	188.00	200	Vertical	Pass
2**	2488.465	48.05	-0.92	54.0	5.95	AV	188.00	200	Vertical	Pass
3	2483.905	65.62	-1.03	74.0	8.38	Peak	142.00	200	Vertical	Pass
3**	2483.905	51.13	-1.03	54.0	2.87	AV	142.00	200	Vertical	Pass

802.11ax20(SU) LOW CHANNEL



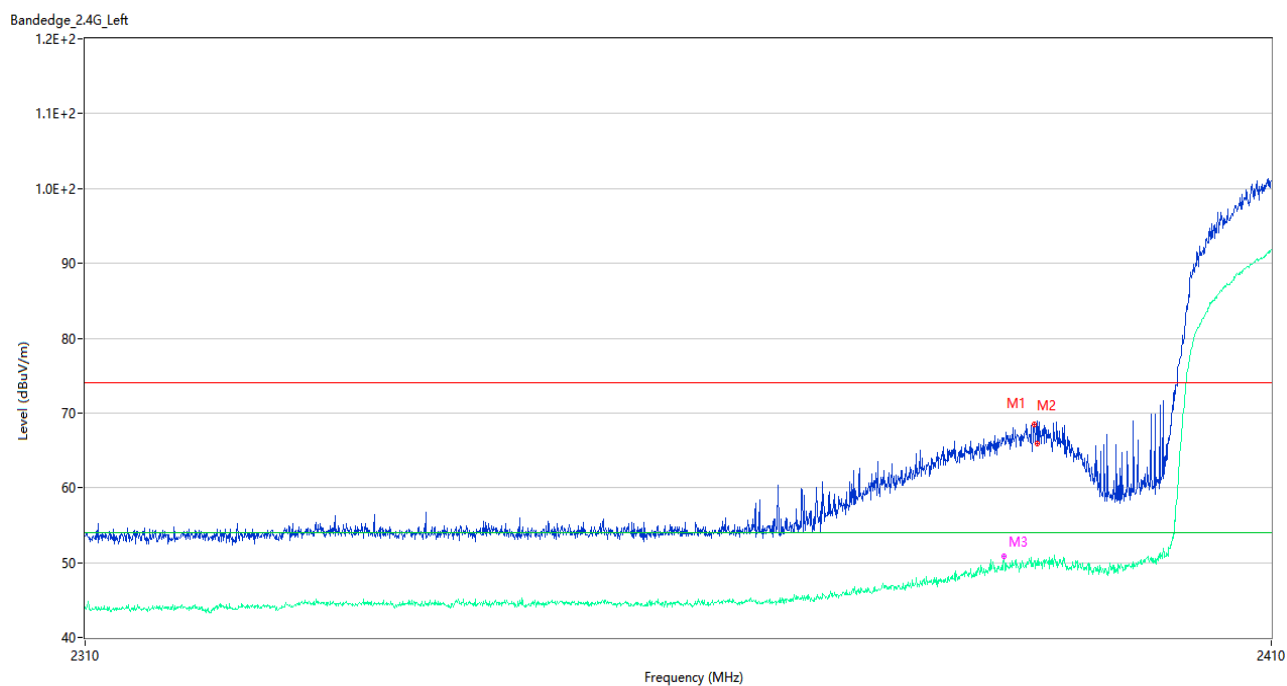
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.650	70.21	-1.75	74.0	3.79	Peak	71.00	100	Vertical	Pass
1**	2389.650	48.88	-1.75	54.0	5.12	AV	71.00	100	Vertical	Pass
2	2389.950	68.32	-1.82	74.0	5.68	Peak	42.00	150	Vertical	Pass
2**	2389.950	49.06	-1.82	54.0	4.94	AV	42.00	150	Vertical	Pass
3	2389.350	61.17	-1.81	74.0	12.83	Peak	62.00	150	Vertical	Pass
3**	2389.350	51.87	-1.81	54.0	2.13	AV	62.00	150	Vertical	Pass

802.11 ax20(SU) HIGH CHANNEL



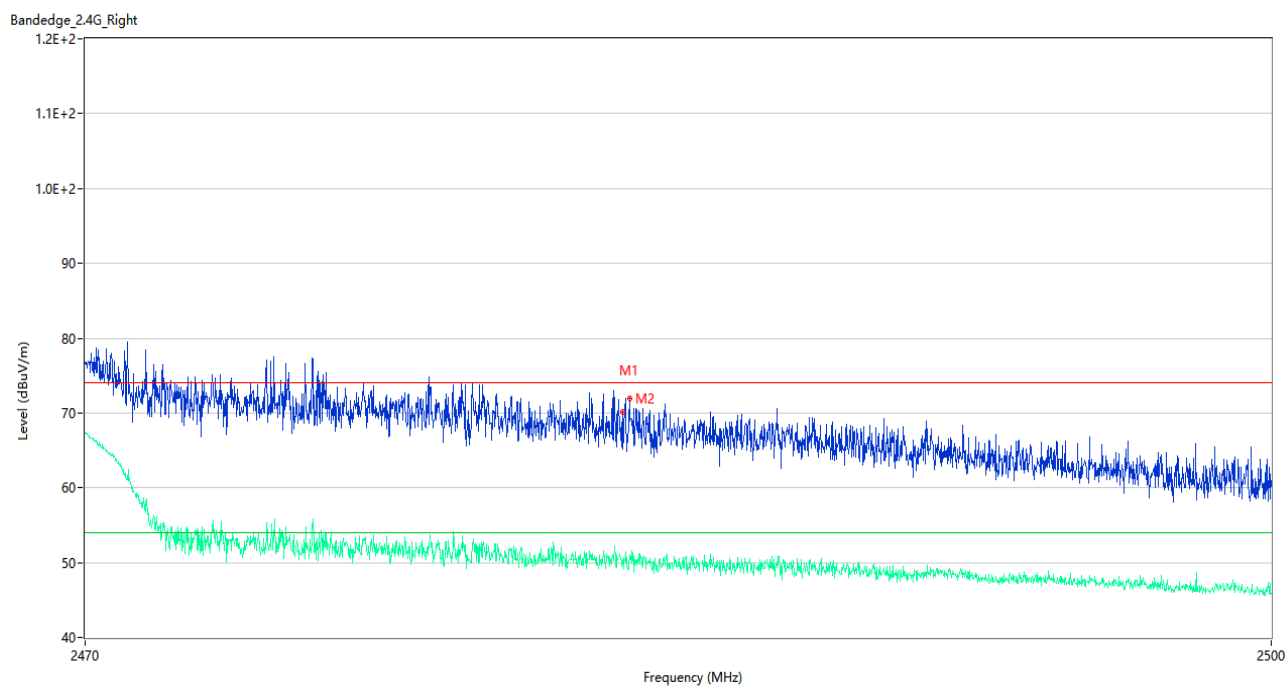
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	56.79	-1.09	74.0	17.21	Peak	46.00	150	Vertical	Pass
1**	2483.545	46.59	-1.09	54.0	7.41	AV	46.00	150	Vertical	Pass
2	2484.670	57.83	-1.25	74.0	16.17	Peak	152.00	150	Vertical	Pass
2**	2484.670	45.87	-1.25	54.0	8.13	AV	152.00	150	Vertical	Pass

802.11ax40(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.650	68.53	-1.75	74.0	5.47	Peak	52.00	100	Vertical	Pass
1**	2389.650	50.31	-1.75	54.0	3.69	AV	52.00	100	Vertical	Pass
2	2389.950	65.92	-1.82	74.0	8.08	Peak	71.00	100	Vertical	Pass
2**	2389.950	50.07	-1.82	54.0	3.93	AV	71.00	100	Vertical	Pass
3	2387.100	66.70	-1.66	74.0	7.30	Peak	232.00	100	Vertical	Pass
3**	2387.100	50.83	-1.66	54.0	3.17	AV	232.00	100	Vertical	Pass

802.11 ax40(SU) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	70.18	-1.09	74.0	3.82	Peak	269.00	100	Vertical	Pass
1**	2483.545	49.81	-1.09	54.0	4.19	AV	269.00	100	Vertical	Pass
2	2483.725	71.91	-1.06	74.0	2.09	Peak	360.00	200	Vertical	Pass
2**	2483.725	50.71	-1.06	54.0	3.29	AV	360.00	200	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.75	8
Middle	-6.97	8
High	-11.13	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.72	8
Middle	-6.98	8
High	-11.23	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.09	8
Middle	-8.13	8
High	-9.66	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.46	8
Middle	-10.73	8
High	-7.62	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.54	8
Middle	-8.45	8
High	-11.49	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.07	8
Middle	-11.30	8
High	-9.54	8

Test Plots

802.11b LOW CHANNEL



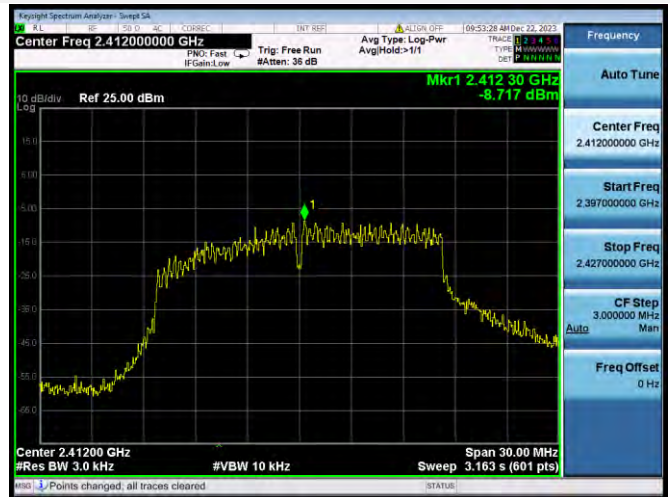
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



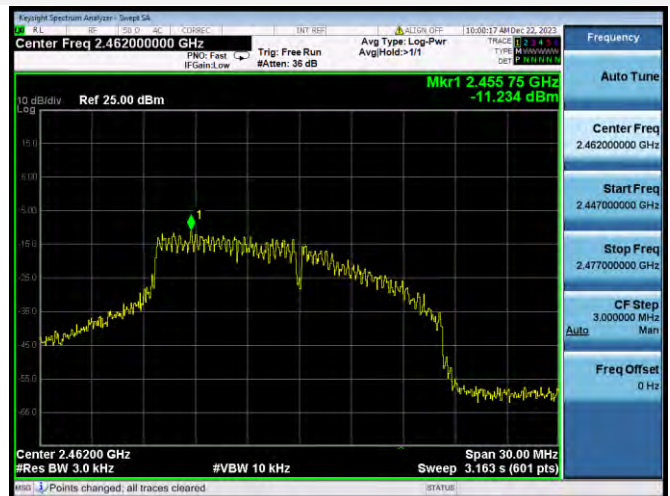
802.11g LOW CHANNEL



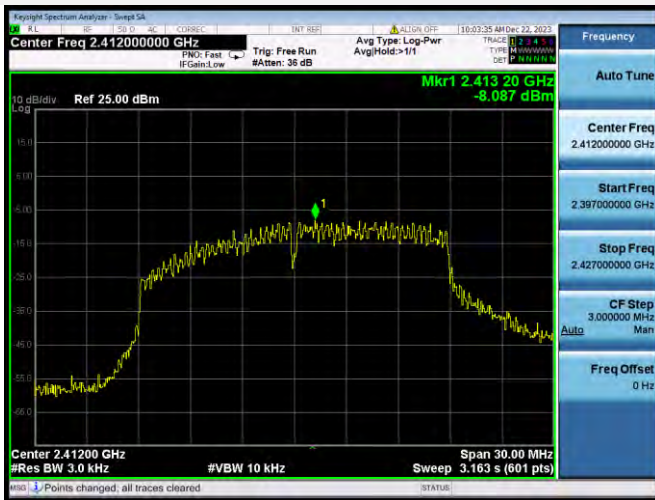
802.11g MIDDLE CHANNEL



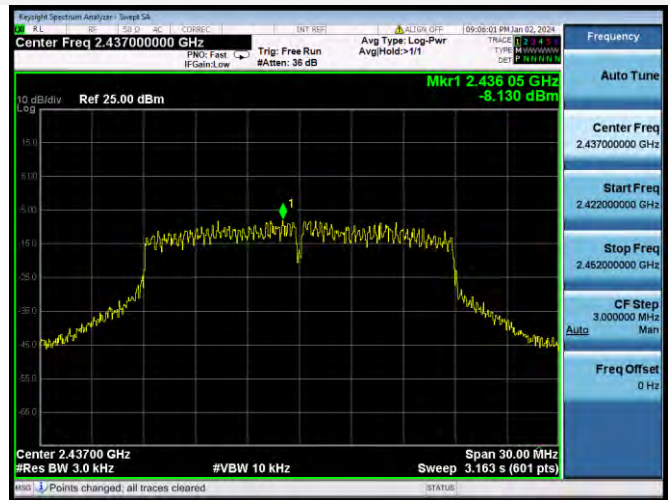
802.11g HIGH CHANNEL



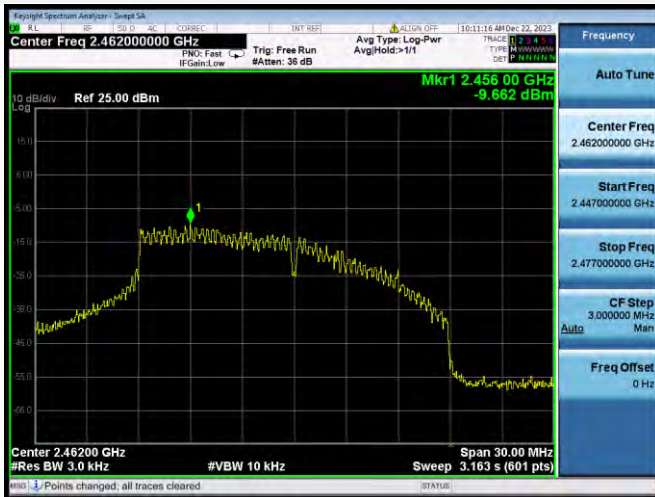
802.11n-20 MHz LOW CHANNEL



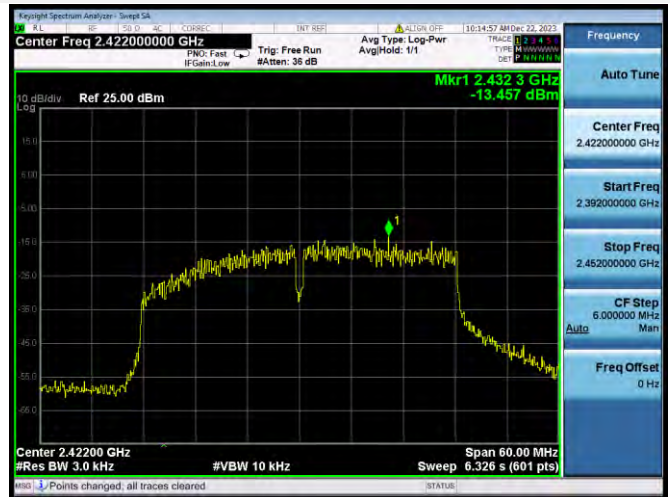
802.11n-20 MHz MIDDLE CHANNEL



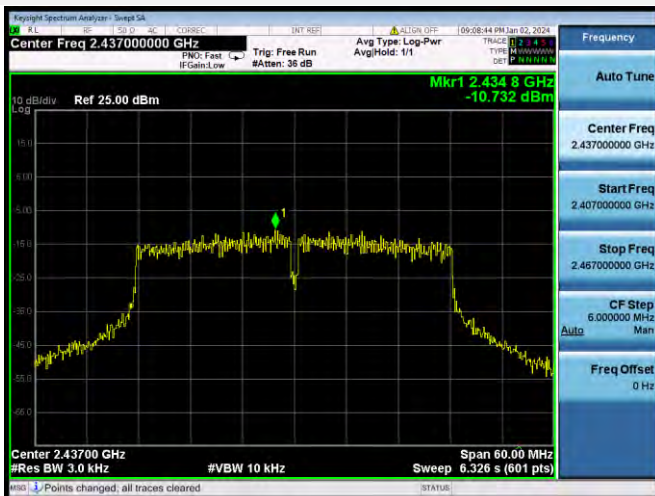
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



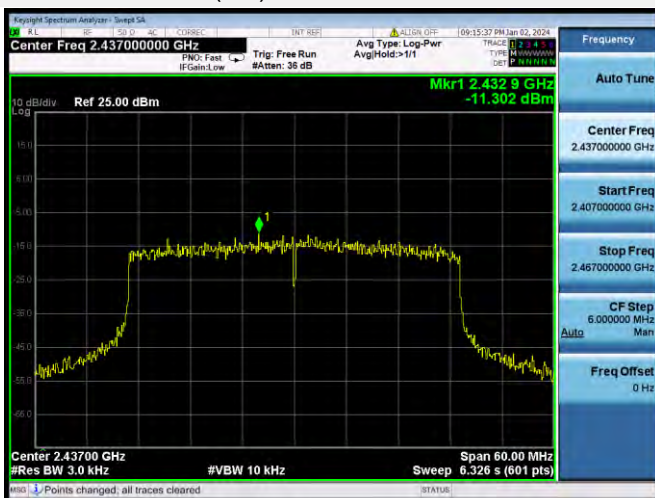
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2390953-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2390953-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2390953-AI.PDF”.

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--END OF REPORT--