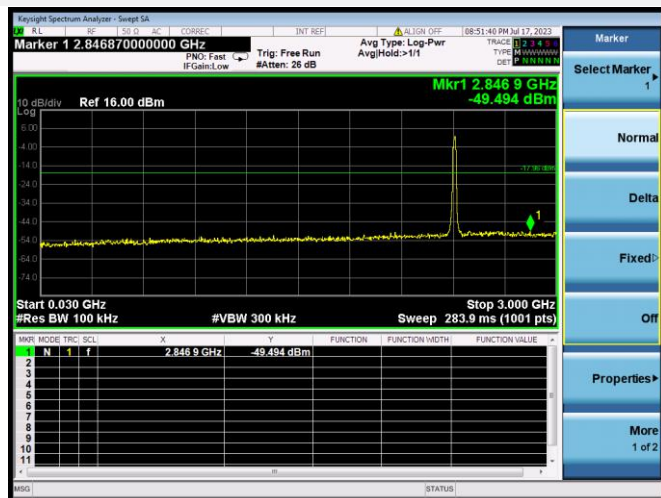
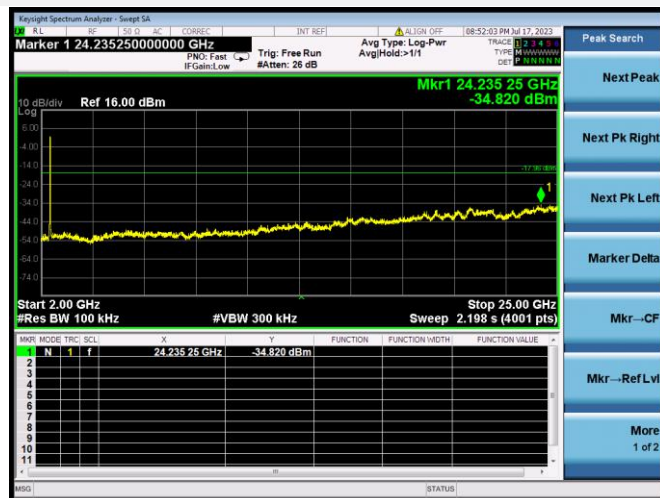


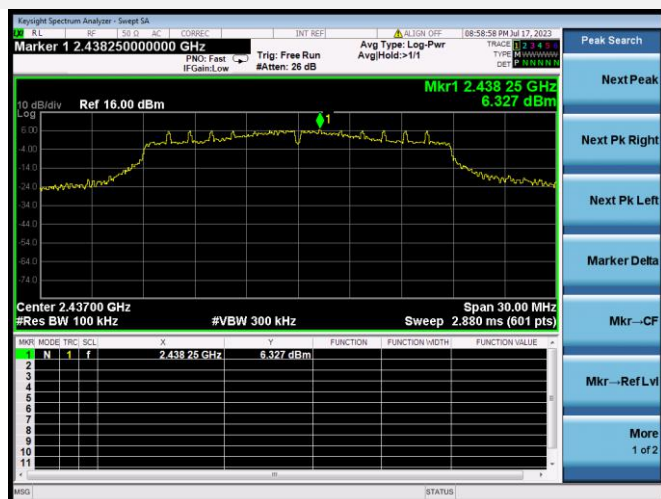
802.11n-20 MHz CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



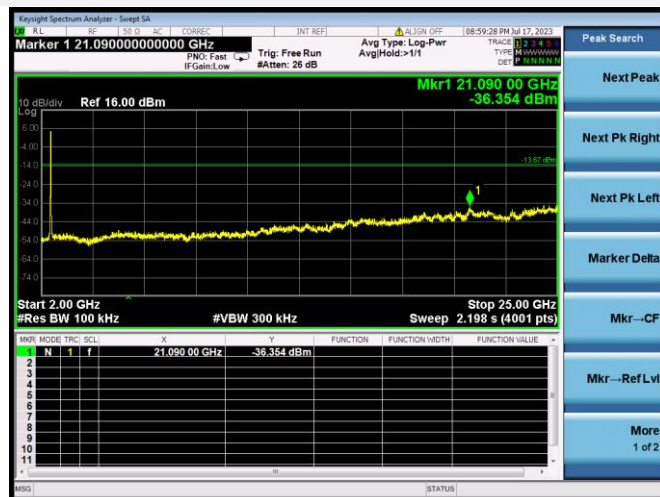
802.11n-20 MHz CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



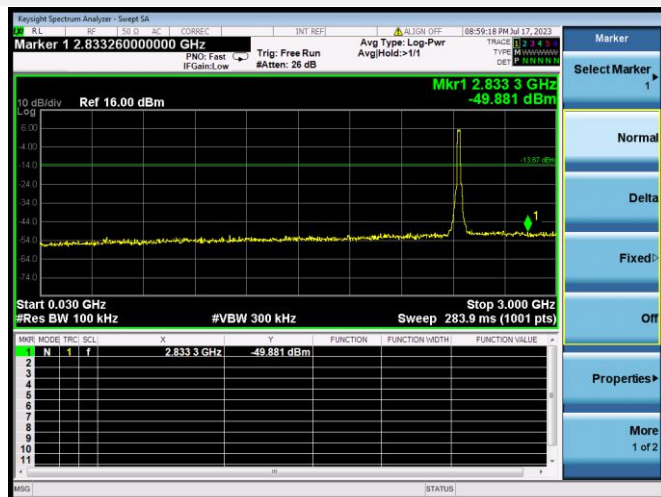
802.11n-20 MHz CHANNEL 6 CARRIER LEVEL



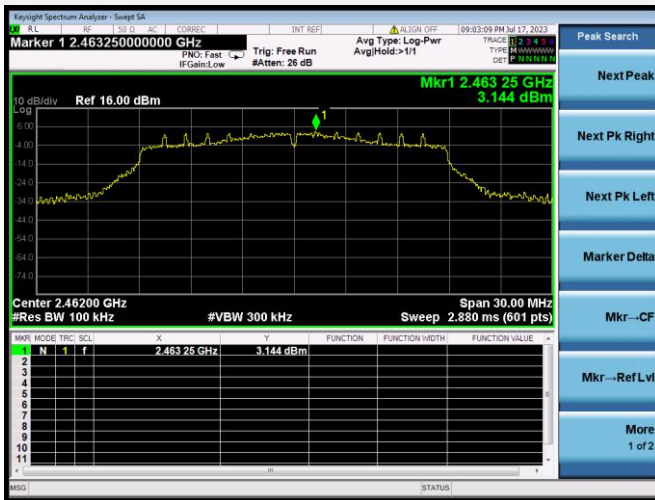
802.11n-20 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



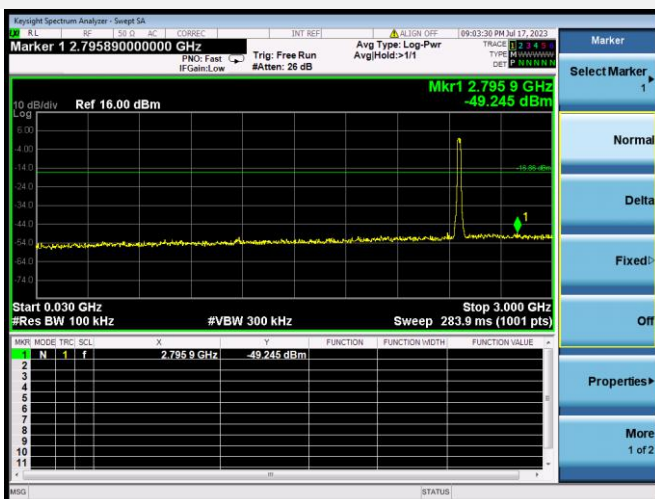
802.11n-20 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



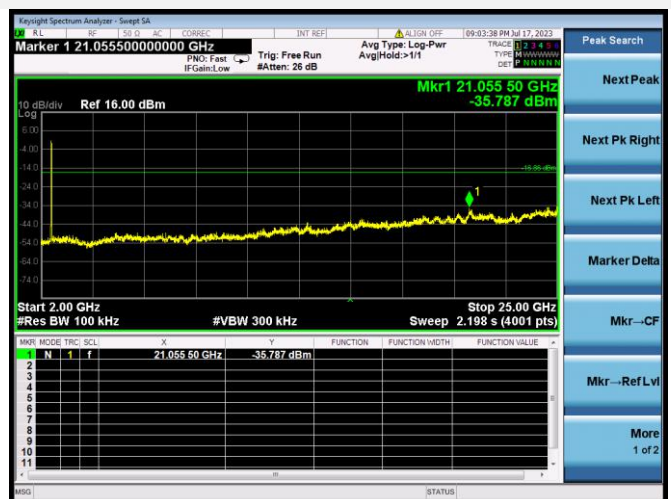
802.11n-20 MHz CHANNEL 11 CARRIER LEVEL



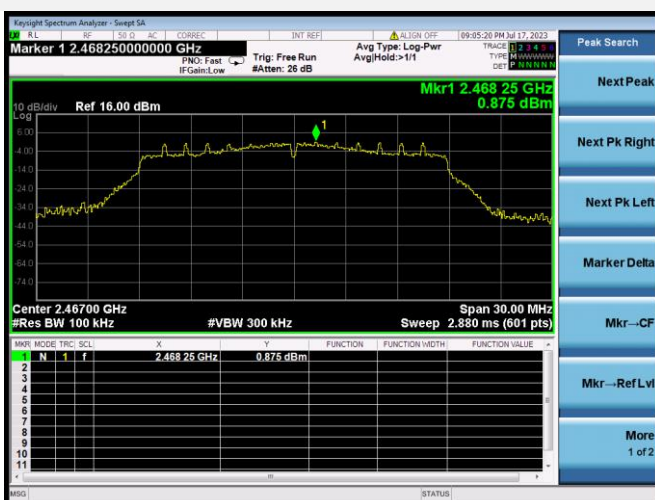
802.11n-20 MHz CHANNEL 11, SPURIOUS  
30 MHz ~ 3 GHz



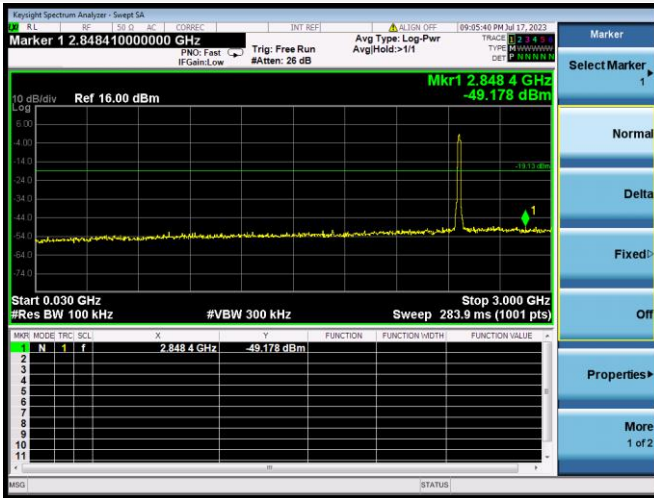
802.11n-20 MHz CHANNEL 11, SPURIOUS  
2 GHz ~ 25 GHz



802.11n-20 MHz CHANNEL 12 CARRIER LEVEL



802.11n-20 MHz CHANNEL 12, SPURIOUS  
30 MHz ~ 3 GHz



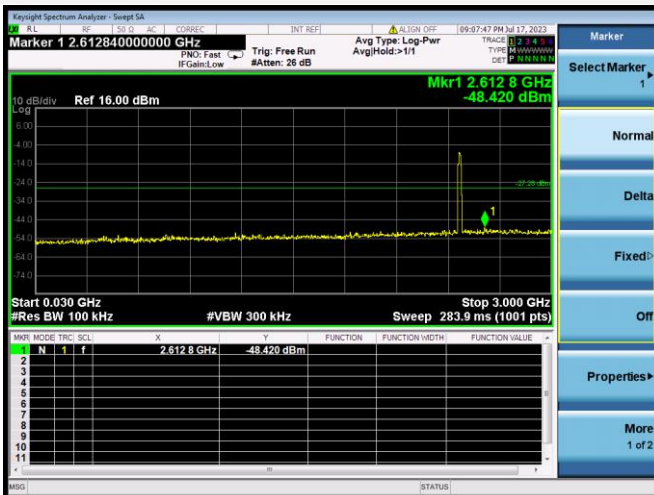
802.11n-20 MHz CHANNEL 12, SPURIOUS  
2 GHz ~ 25 GHz



802.11n-20 MHz CHANNEL 13 CARRIER LEVEL



802.11n-20 MHz CHANNEL 13, SPURIOUS  
30 MHz ~ 3 GHz



802.11n-20 MHz CHANNEL 13, SPURIOUS  
2 GHz ~ 25 GHz



## 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

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-29.49	8.88	-11.12	Pass
11	-45.03	8.80	-11.20	Pass
12	-45.24	7.35	-12.65	Pass
13	-41.37	4.87	-15.13	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-30.49	0.58	-19.42	Pass
11	-41.29	1.91	-18.09	Pass
12	-39.99	0.54	-19.46	Pass
13	-45.05	-8.28	-28.28	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-29.83	2.04	-17.96	Pass
11	-41.29	3.14	-16.86	Pass
12	-39.08	0.88	-19.13	Pass
13	-43.28	-7.28	-27.28	Pass

Test Plots

802.11b CHANNEL 1, CARRIER LEVEL



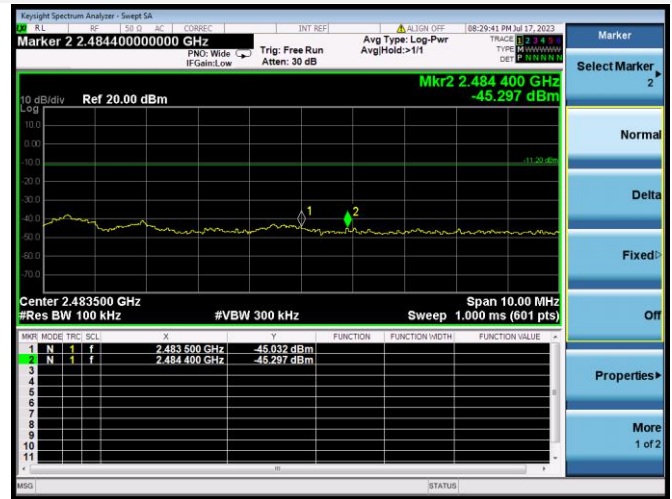
802.11b CHANNEL 1, BAND EDGE



802.11b CHANNEL 11, CARRIER LEVEL



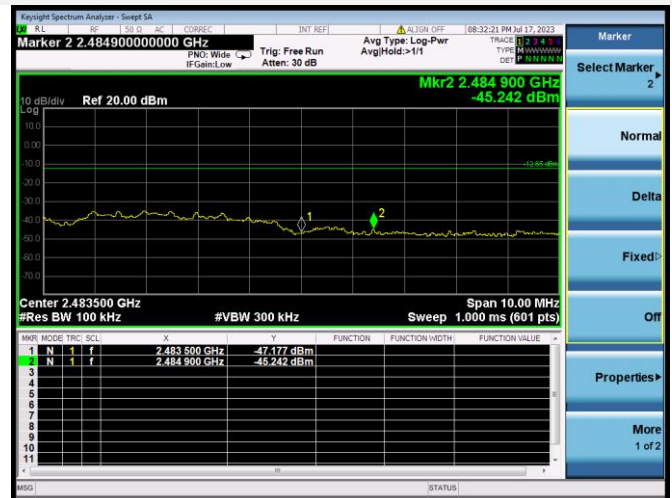
802.11b CHANNEL 11, BAND EDGE



802.11b CHANNEL 12, CARRIER LEVEL



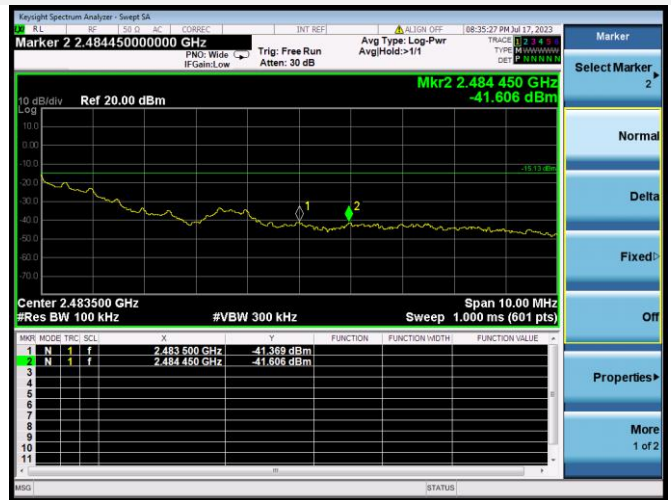
802.11b CHANNEL 12, BAND EDGE



802.11b CHANNEL 13, CARRIER LEVEL



802.11b CHANNEL 13, BAND EDGE



802.11g CHANNEL 1, CARRIER LEVEL



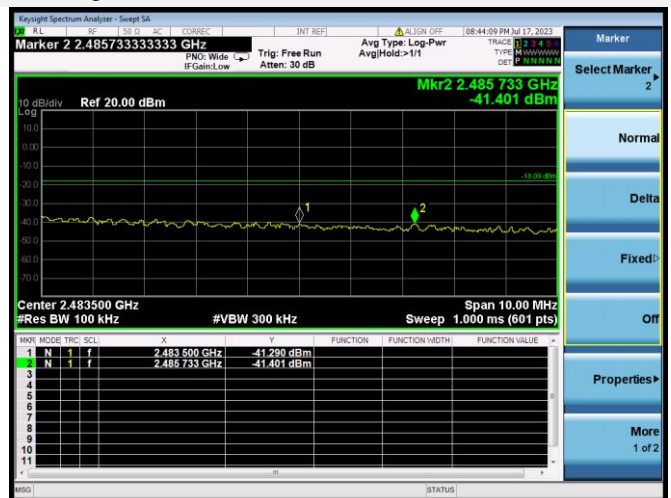
802.11g CHANNEL 1, BAND EDGE



802.11g CHANNEL 11, CARRIER LEVEL



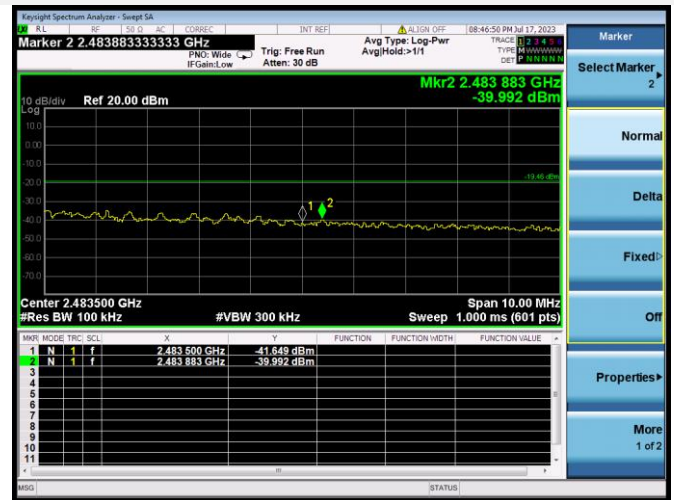
802.11g CHANNEL 11, BAND EDGE



802.11g CHANNEL 12, CARRIER LEVEL



802.11g CHANNEL 12, BAND EDGE



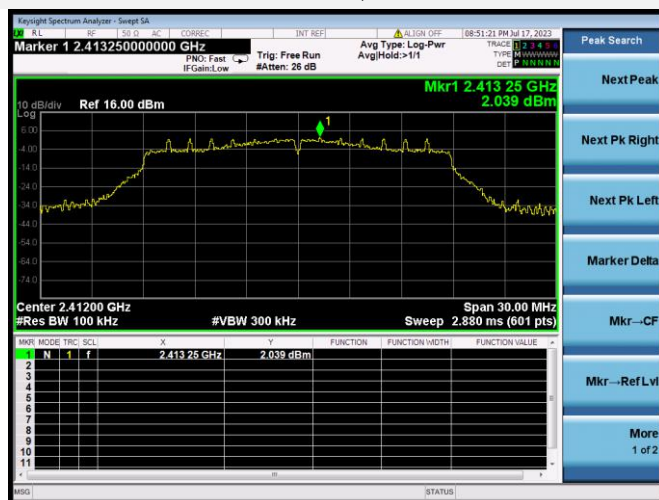
802.11g CHANNEL 13, CARRIER LEVEL



802.11g CHANNEL 13, BAND EDGE



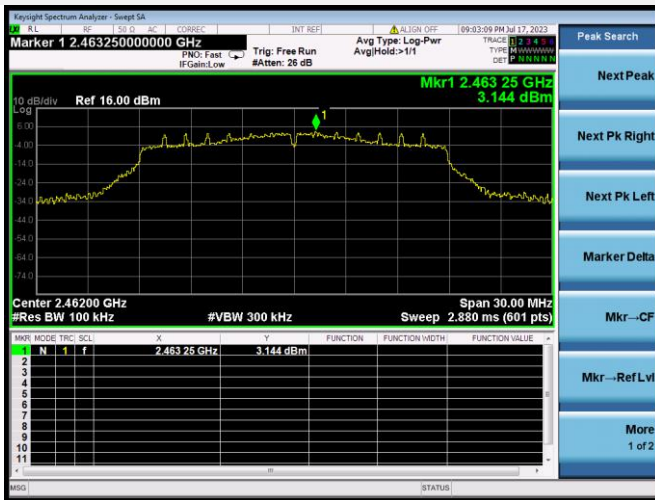
802.11n-20 MHz CHANNEL 1, CARRIER LEVEL



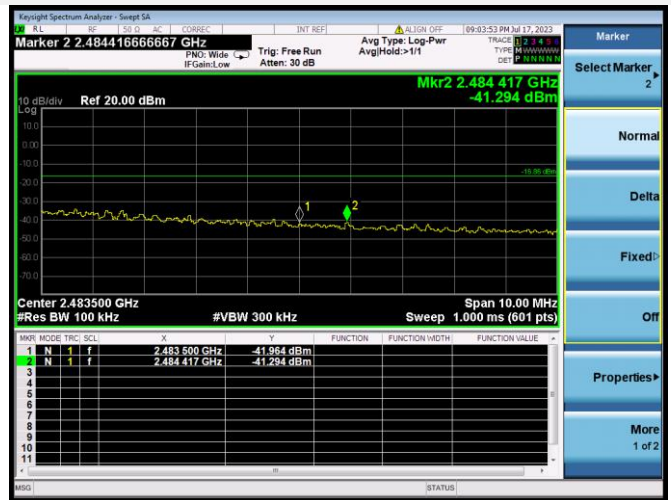
802.11n-20 MHz CHANNEL 1, BAND EDGE



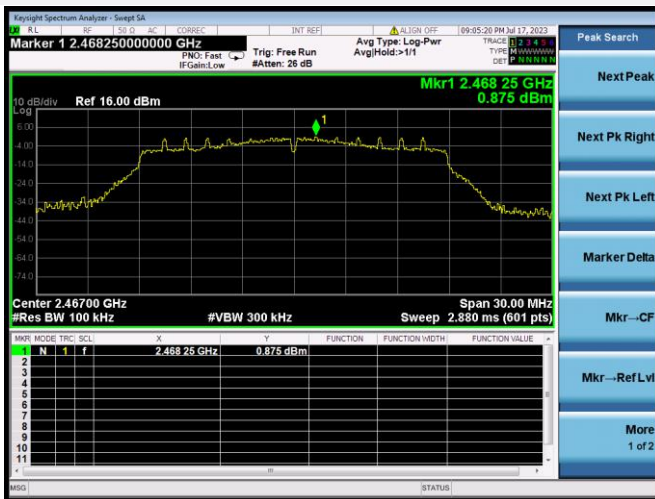
802.11n-20 MHz CHANNEL 11, CARRIER LEVEL



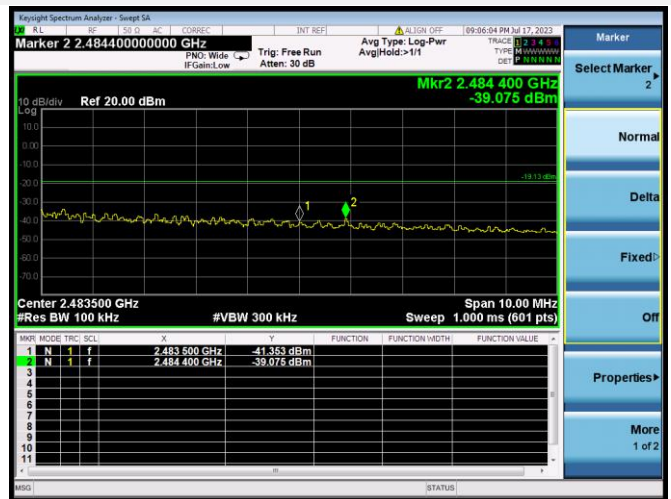
802.11n-20 MHz CHANNEL 11, BAND EDGE



802.11n-20 MHz CHANNEL 12, CARRIER LEVEL



802.11n-20 MHz CHANNEL 12, BAND EDGE



802.11n-20 MHz CHANNEL 13, CARRIER LEVEL



802.11n-20 MHz CHANNEL 13, BAND EDGE





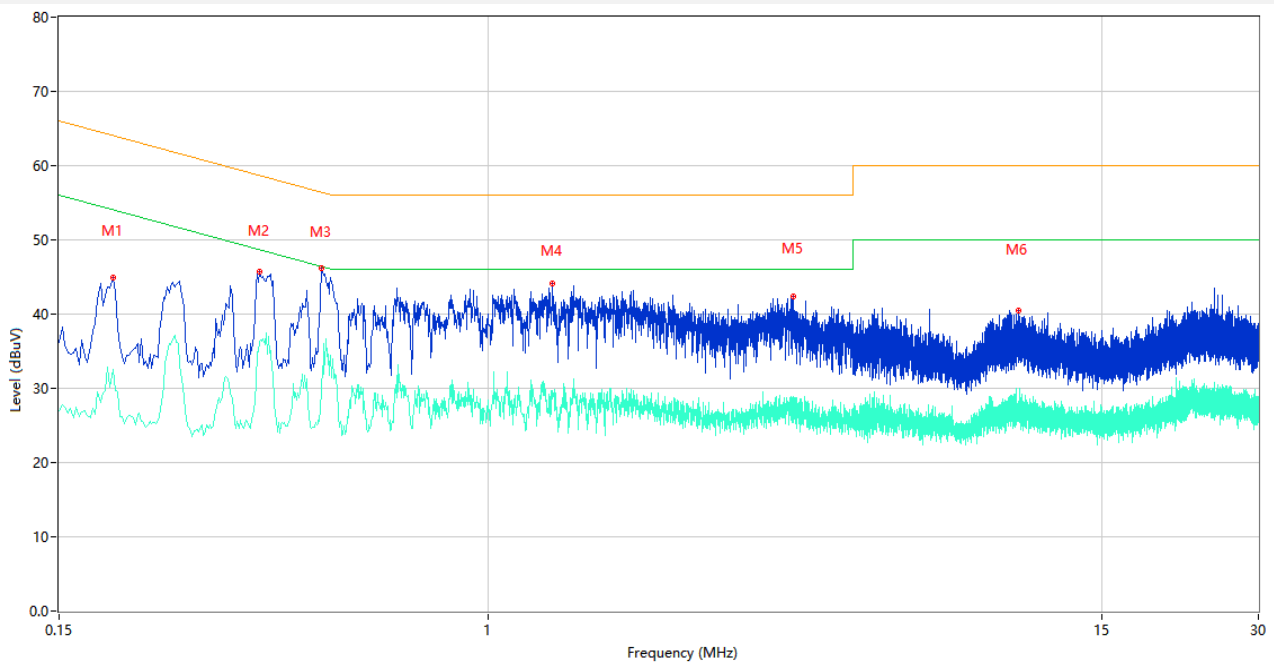
## A.5 Conducted Emissions

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

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

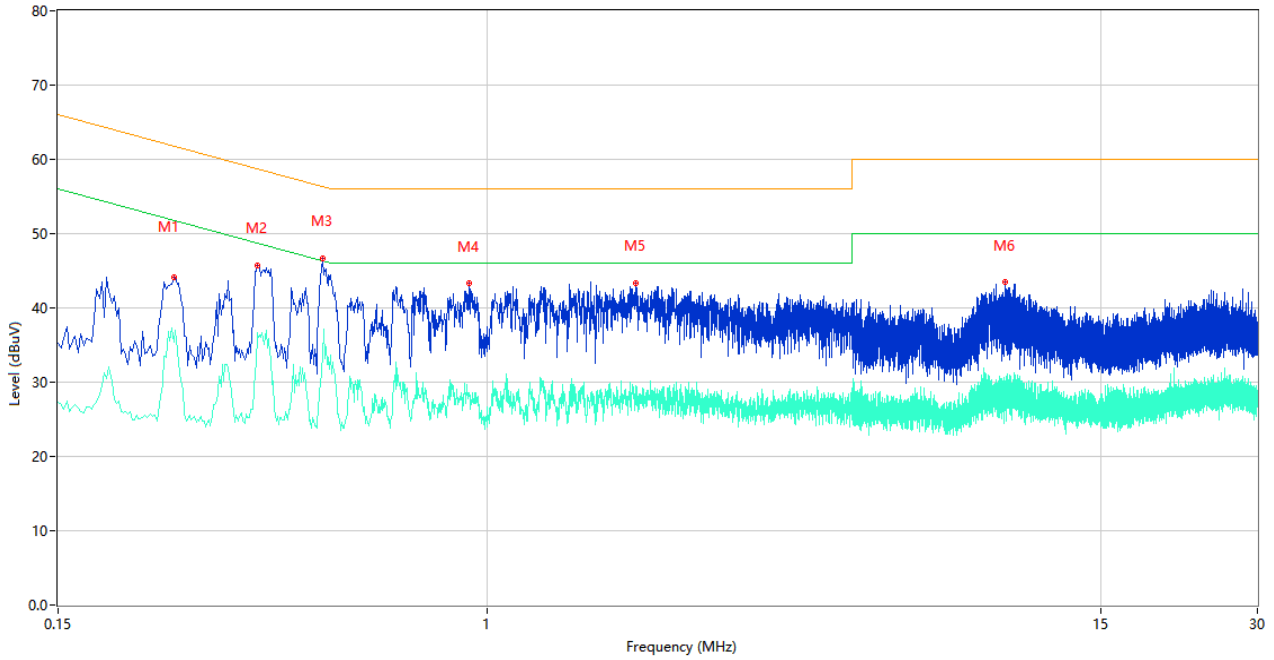
### Test Data and Plots

#### PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.190	44.97	9.78	64.04	19.07	Peak	L	Pass
1**	0.190	32.50	9.78	54.04	21.54	AV	L	Pass
2	0.364	45.75	10.70	58.64	12.89	Peak	L	Pass
2**	0.364	36.15	10.70	48.64	12.49	AV	L	Pass
3	0.478	46.15	10.00	56.37	10.22	Peak	L	Pass
3**	0.478	29.68	10.00	46.37	16.69	AV	L	Pass
4	1.328	44.10	10.22	56.00	11.90	Peak	L	Pass
4**	1.328	29.12	10.22	46.00	16.88	AV	L	Pass
5	3.844	42.32	10.29	56.00	13.68	Peak	L	Pass
5**	3.844	28.93	10.29	46.00	17.07	AV	L	Pass
6	10.422	40.44	10.58	60.00	19.56	Peak	L	Pass
6**	10.422	25.71	10.58	50.00	24.29	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.250	44.17	9.77	61.76	17.59	Peak	N	Pass
1**	0.250	35.43	9.77	51.76	16.33	AV	N	Pass
2	0.362	45.74	10.71	58.68	12.94	Peak	N	Pass
2**	0.362	36.69	10.71	48.68	11.99	AV	N	Pass
3	0.482	46.71	10.00	56.30	9.59	Peak	N	Pass
3**	0.482	34.36	10.00	46.30	11.94	AV	N	Pass
4	0.924	43.31	10.12	56.00	12.69	Peak	N	Pass
4**	0.924	28.02	10.12	46.00	17.98	AV	N	Pass
5	1.928	43.34	10.40	56.00	12.66	Peak	N	Pass
5**	1.928	29.08	10.40	46.00	16.92	AV	N	Pass
6	9.846	43.44	10.36	60.00	16.56	Peak	N	Pass
6**	9.846	30.12	10.36	50.00	19.88	AV	N	Pass

## A.6 Radiated Emission

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

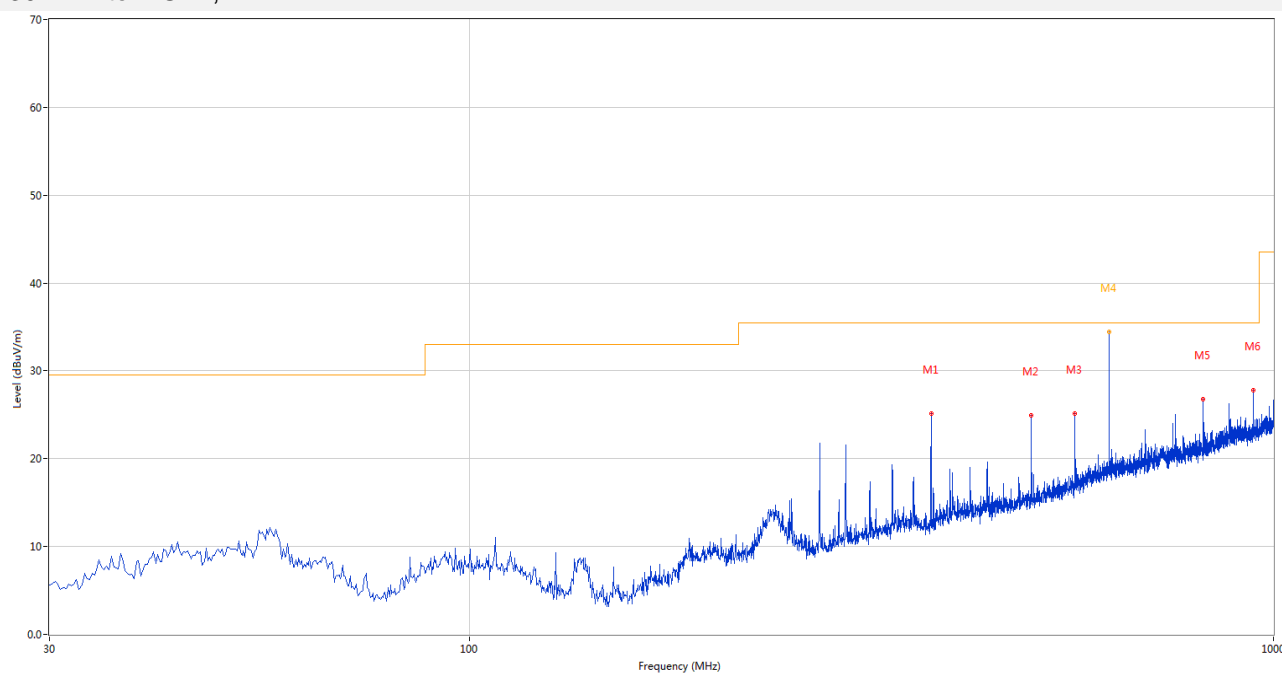
Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

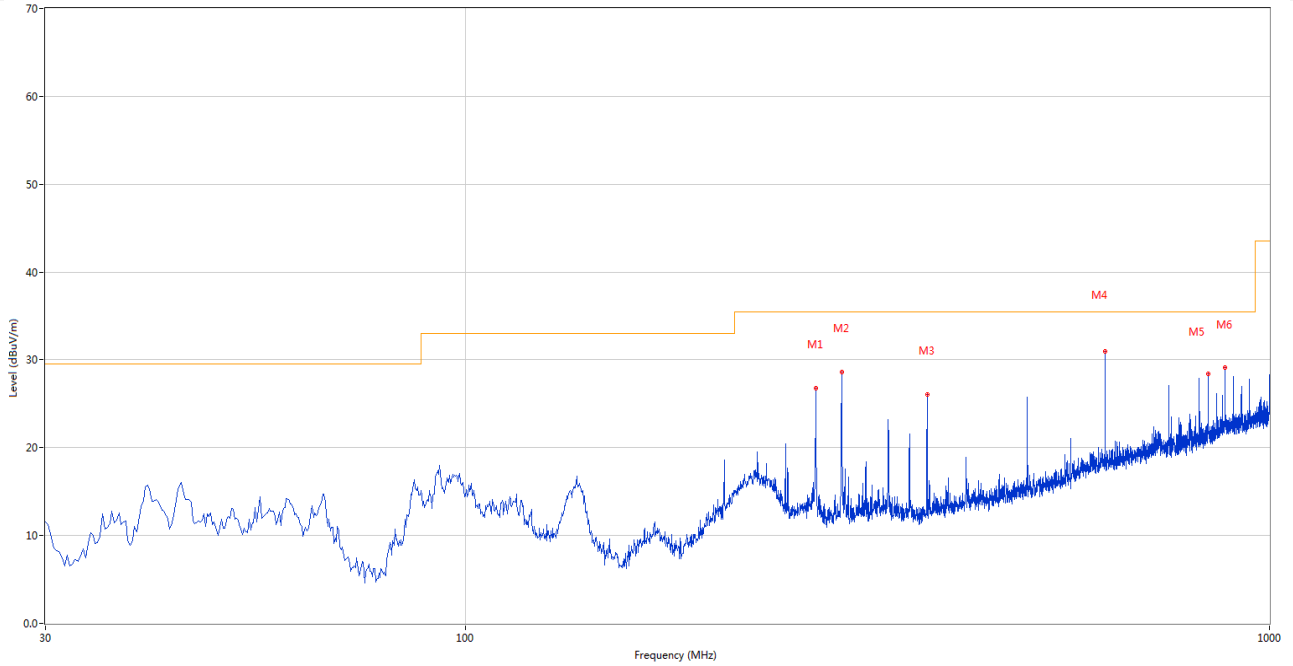
### Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	374.991	25.15	-23.22	35.5	10.35	Peak	264.00	200	Horizontal	Pass
2	499.848	24.95	-20.27	35.5	10.55	Peak	168.00	200	Horizontal	Pass
3	566.276	25.10	-19.15	35.5	10.40	Peak	199.00	200	Horizontal	Pass
4	625.006	35.18	-17.40	35.5	0.32	Peak	148.00	166	Horizontal	N/A
4*	625.006	34.40	-17.40	35.5	1.10	QP	148.00	166	Horizontal	Pass
5	817.928	26.82	-14.59	35.5	8.68	Peak	164.00	100	Horizontal	Pass
6	943.997	27.81	-12.11	35.5	7.69	Peak	139.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	272.682	26.81	-25.73	35.5	8.69	Peak	41.00	100	Vertical	Pass
2	293.532	28.58	-25.30	35.5	6.92	Peak	200.00	100	Vertical	Pass
3	374.991	26.06	-23.22	35.5	9.44	Peak	344.00	100	Vertical	Pass
4	624.946	31.01	-17.40	35.5	4.49	Peak	207.00	100	Vertical	Pass
5	838.778	28.40	-13.85	35.5	7.10	Peak	180.00	200	Vertical	Pass
6	880.720	29.08	-12.87	35.5	6.42	Peak	0.00	200	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 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	54.62	-18.01	74.0	20.38	Peak	48.00	150	Horizontal	Pass
1**	1188.100	49.91	-18.01	54.0	4.09	AV	48.00	150	Horizontal	Pass
2	2410.800	107.86	-10.35	74.0	-33.86	Peak	75.00	200	Horizontal	N/A
2**	2410.800	105.02	-10.35	54.0	-51.02	AV	75.00	200	Horizontal	N/A
3	4954.000	49.61	-3.46	74.0	24.39	Peak	206.00	150	Horizontal	Pass
3**	4954.000	39.51	-3.46	54.0	14.49	AV	206.00	150	Horizontal	Pass
4	7759.000	54.25	1.62	74.0	19.75	Peak	184.00	200	Horizontal	Pass
4**	7759.000	45.34	1.62	54.0	8.66	AV	184.00	200	Horizontal	Pass
5	12188.550	52.68	0.30	74.0	21.32	Peak	58.00	100	Horizontal	Pass
5**	12188.550	43.88	0.30	54.0	10.12	AV	58.00	100	Horizontal	Pass
6	16405.050	54.59	3.10	74.0	19.41	Peak	125.00	300	Horizontal	Pass
6**	16405.050	45.67	3.10	54.0	8.33	AV	125.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.400	54.57	-18.05	74.0	19.43	Peak	50.00	150	Vertical	Pass
1**	1188.400	49.13	-18.05	54.0	4.87	AV	50.00	150	Vertical	Pass
2	2410.900	100.37	-10.34	74.0	-26.37	Peak	291.00	200	Vertical	N/A
2**	2410.900	97.62	-10.34	54.0	-43.62	AV	291.00	200	Vertical	N/A
3	5316.000	53.84	-3.19	74.0	20.16	Peak	251.00	150	Vertical	Pass
3**	5316.000	41.25	-3.19	54.0	12.75	AV	251.00	150	Vertical	Pass
4	7489.500	54.03	1.46	74.0	19.97	Peak	59.00	100	Vertical	Pass
4**	7489.500	44.12	1.46	54.0	9.88	AV	59.00	100	Vertical	Pass
5	12784.650	53.23	0.98	74.0	20.77	Peak	183.00	400	Vertical	Pass
5**	12784.650	42.12	0.98	54.0	11.88	AV	183.00	400	Vertical	Pass
6	17460.300	54.46	5.38	74.0	19.54	Peak	327.00	100	Vertical	Pass
6**	17460.300	45.57	5.38	54.0	8.43	AV	327.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	54.30	-18.01	74.0	19.70	Peak	107.00	150	Horizontal	Pass
1**	1188.100	50.60	-18.01	54.0	3.40	AV	107.00	150	Horizontal	Pass
2	2438.400	107.57	-9.92	74.0	-33.57	Peak	78.00	100	Horizontal	N/A
2**	2438.400	104.80	-9.92	54.0	-50.80	AV	78.00	100	Horizontal	N/A
3	4902.500	49.18	-3.10	74.0	24.82	Peak	295.00	200	Horizontal	Pass
3**	4902.500	39.64	-3.10	54.0	14.36	AV	295.00	200	Horizontal	Pass
4	7733.500	54.29	0.55	74.0	19.71	Peak	360.00	100	Horizontal	Pass
4**	7733.500	43.71	0.55	54.0	10.29	AV	360.00	100	Horizontal	Pass
5	11779.575	52.75	-0.17	74.0	21.25	Peak	247.00	400	Horizontal	Pass
5**	11779.575	44.63	-0.17	54.0	9.37	AV	247.00	400	Horizontal	Pass
6	17465.287	55.15	5.28	74.0	18.85	Peak	247.00	200	Horizontal	Pass
6**	17465.287	46.98	5.28	54.0	7.02	AV	247.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	55.51	-18.04	74.0	18.49	Peak	78.00	150	Vertical	Pass
1**	1188.300	50.43	-18.04	54.0	3.57	AV	78.00	150	Vertical	Pass
2	2435.800	98.37	-10.14	74.0	-24.37	Peak	272.00	150	Vertical	N/A
2**	2435.800	95.47	-10.14	54.0	-41.47	AV	272.00	150	Vertical	N/A
3	4921.250	49.52	-3.18	74.0	24.48	Peak	317.00	100	Vertical	Pass
3**	4921.250	41.13	-3.18	54.0	12.87	AV	317.00	100	Vertical	Pass
4	7837.250	53.53	1.17	74.0	20.47	Peak	101.00	100	Vertical	Pass
4**	7837.250	44.16	1.17	54.0	9.84	AV	101.00	100	Vertical	Pass
5	11786.937	53.28	-0.16	74.0	20.72	Peak	349.00	200	Vertical	Pass
5**	11786.937	43.42	-0.16	54.0	10.58	AV	349.00	200	Vertical	Pass
6	17472.637	55.10	5.15	74.0	18.90	Peak	358.00	300	Vertical	Pass
6**	17472.637	45.66	5.15	54.0	8.34	AV	358.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	53.13	-18.01	74.0	20.87	Peak	172.00	150	Horizontal	Pass
1**	1188.100	49.13	-18.01	54.0	4.87	AV	172.00	150	Horizontal	Pass
2	2460.700	106.79	-11.30	74.0	-32.79	Peak	78.00	100	Horizontal	N/A
2**	2460.700	103.93	-11.30	54.0	-49.93	AV	78.00	100	Horizontal	N/A
3	4968.750	49.04	-3.56	74.0	24.96	Peak	360.00	150	Horizontal	Pass
3**	4968.750	40.29	-3.56	54.0	13.71	AV	360.00	150	Horizontal	Pass
4	7755.000	53.49	1.19	74.0	20.51	Peak	188.00	200	Horizontal	Pass
4**	7755.000	44.25	1.19	54.0	9.75	AV	188.00	200	Horizontal	Pass
5	11779.812	52.52	-0.17	74.0	21.48	Peak	191.00	100	Horizontal	Pass
5**	11779.812	43.33	-0.17	54.0	10.67	AV	191.00	100	Horizontal	Pass
6	17468.176	54.76	5.23	74.0	19.24	Peak	9.00	300	Horizontal	Pass
6**	17468.176	45.32	5.23	54.0	8.68	AV	9.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.400	57.67	-18.05	74.0	16.33	Peak	73.00	150	Vertical	Pass
1**	1188.400	53.11	-18.05	54.0	0.89	AV	73.00	150	Vertical	Pass
2	2463.300	95.67	-11.34	74.0	-21.67	Peak	129.00	100	Vertical	N/A
2**	2463.300	92.85	-11.34	54.0	-38.85	AV	129.00	100	Vertical	N/A
3	4987.750	49.18	-3.16	74.0	24.82	Peak	267.00	100	Vertical	Pass
3**	4987.750	40.14	-3.16	54.0	13.86	AV	267.00	100	Vertical	Pass
4	7359.500	53.84	0.87	74.0	20.16	Peak	267.00	400	Vertical	Pass
4**	7359.500	44.33	0.87	54.0	9.67	AV	267.00	400	Vertical	Pass
5	11784.563	52.72	-0.16	74.0	21.28	Peak	155.00	400	Vertical	Pass
5**	11784.563	43.42	-0.16	54.0	10.58	AV	155.00	400	Vertical	Pass
6	17462.401	54.88	5.34	74.0	19.12	Peak	72.00	100	Vertical	Pass
6**	17462.401	45.43	5.34	54.0	8.57	AV	72.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	52.99	-18.04	74.0	21.01	Peak	63.00	150	Horizontal	Pass
1**	1188.300	42.39	-18.04	54.0	11.61	AV	63.00	150	Horizontal	Pass
2	2468.200	107.08	-11.03	74.0	-33.08	Peak	275.00	200	Horizontal	N/A
2**	2468.200	104.37	-11.03	54.0	-50.37	AV	275.00	200	Horizontal	N/A
3	4949.750	48.95	-3.47	74.0	25.05	Peak	360.00	150	Horizontal	Pass
3**	4949.750	39.76	-3.47	54.0	14.24	AV	360.00	150	Horizontal	Pass
4	7202.500	53.45	0.73	74.0	20.55	Peak	360.00	400	Horizontal	Pass
4**	7202.500	43.66	0.73	54.0	10.34	AV	360.00	400	Horizontal	Pass
5	11786.225	52.97	-0.16	74.0	21.03	Peak	109.00	300	Horizontal	Pass
5**	11786.225	43.91	-0.16	54.0	10.09	AV	109.00	300	Horizontal	Pass
6	16419.225	54.69	2.91	74.0	19.31	Peak	101.00	200	Horizontal	Pass
6**	16419.225	45.84	2.91	54.0	8.16	AV	101.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1187.600	56.00	-17.80	74.0	18.00	Peak	282.00	150	Vertical	Pass
1**	1187.600	50.36	-17.80	54.0	3.64	AV	282.00	150	Vertical	Pass
2	2468.200	100.81	-11.03	74.0	-26.81	Peak	255.00	100	Vertical	N/A
2**	2468.200	97.96	-11.03	54.0	-43.96	AV	255.00	100	Vertical	N/A
3	4867.000	49.28	-3.60	74.0	24.72	Peak	209.00	100	Vertical	Pass
3**	4867.000	39.42	-3.60	54.0	14.58	AV	209.00	100	Vertical	Pass
4	7770.250	53.86	1.43	74.0	20.14	Peak	0.00	400	Vertical	Pass
4**	7770.250	44.36	1.43	54.0	9.64	AV	0.00	400	Vertical	Pass
5	12424.863	52.81	1.07	74.0	21.19	Peak	126.00	100	Vertical	Pass
5**	12424.863	42.71	1.07	54.0	11.29	AV	126.00	100	Vertical	Pass
6	17441.137	54.74	5.54	74.0	19.26	Peak	317.00	400	Vertical	Pass
6**	17441.137	44.75	5.54	54.0	9.25	AV	317.00	400	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.600	52.94	-18.05	74.0	21.06	Peak	66.00	100	Horizontal	Pass
1**	1188.600	40.20	-18.05	54.0	13.80	AV	66.00	100	Horizontal	Pass
2	2470.800	107.30	-10.85	74.0	-33.30	Peak	285.00	150	Horizontal	N/A
2**	2470.800	104.40	-10.85	54.0	-50.40	AV	285.00	150	Horizontal	N/A
3	4742.250	49.16	-3.11	74.0	24.84	Peak	275.00	150	Horizontal	Pass
3**	4742.250	38.94	-3.11	54.0	15.06	AV	275.00	150	Horizontal	Pass
4	7761.750	53.78	1.45	74.0	20.22	Peak	65.00	300	Horizontal	Pass
4**	7761.750	45.19	1.45	54.0	8.81	AV	65.00	300	Horizontal	Pass
5	11792.874	53.00	-0.15	74.0	21.00	Peak	48.00	300	Horizontal	Pass
5**	11792.874	43.85	-0.15	54.0	10.15	AV	48.00	300	Horizontal	Pass
6	16402.162	55.10	3.14	74.0	18.90	Peak	360.00	100	Horizontal	Pass
6**	16402.162	46.77	3.14	54.0	7.23	AV	360.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.000	56.27	-17.95	74.0	17.73	Peak	288.00	150	Vertical	Pass
1**	1188.000	49.85	-17.95	54.0	4.15	AV	288.00	150	Vertical	Pass
2	2470.800	100.99	-10.85	74.0	-26.99	Peak	249.00	100	Vertical	N/A
2**	2470.800	98.12	-10.85	54.0	-44.12	AV	249.00	100	Vertical	N/A
3	4987.750	49.30	-3.16	74.0	24.70	Peak	334.00	150	Vertical	Pass
3**	4987.750	40.41	-3.16	54.0	13.59	AV	334.00	150	Vertical	Pass
4	7754.000	53.61	1.14	74.0	20.39	Peak	184.00	300	Vertical	Pass
4**	7754.000	44.58	1.14	54.0	9.42	AV	184.00	300	Vertical	Pass
5	11786.937	52.60	-0.16	74.0	21.40	Peak	143.00	200	Vertical	Pass
5**	11786.937	43.86	-0.16	54.0	10.14	AV	143.00	200	Vertical	Pass
6	16400.062	55.01	3.17	74.0	18.99	Peak	34.00	400	Vertical	Pass
6**	16400.062	45.51	3.17	54.0	8.49	AV	34.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	50.56	-18.04	74.0	23.44	Peak	264.00	100	Horizontal	Pass
1**	1188.300	44.13	-18.04	54.0	9.87	AV	264.00	100	Horizontal	Pass
2	2410.600	109.01	-10.39	74.0	-35.01	Peak	273.00	150	Horizontal	N/A
2**	2410.600	102.35	-10.39	54.0	-48.35	AV	273.00	150	Horizontal	N/A
3	4970.750	49.81	-3.59	74.0	24.19	Peak	360.00	150	Horizontal	Pass
3**	4970.750	40.49	-3.59	54.0	13.51	AV	360.00	150	Horizontal	Pass
4	7490.250	53.98	1.43	74.0	20.02	Peak	286.00	400	Horizontal	Pass
4**	7490.250	45.45	1.43	54.0	8.55	AV	286.00	400	Horizontal	Pass
5	12279.987	52.48	0.77	74.0	21.52	Peak	183.00	200	Horizontal	Pass
5**	12279.987	43.52	0.77	54.0	10.48	AV	183.00	200	Horizontal	Pass
6	16423.426	54.94	2.85	74.0	19.06	Peak	360.00	100	Horizontal	Pass
6**	16423.426	45.89	2.85	54.0	8.11	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	55.59	-18.01	74.0	18.41	Peak	58.00	150	Vertical	Pass
1**	1188.100	50.13	-18.01	54.0	3.87	AV	58.00	150	Vertical	Pass
2	2413.000	102.86	-10.23	74.0	-28.86	Peak	266.00	150	Vertical	N/A
2**	2413.000	96.48	-10.23	54.0	-42.48	AV	266.00	150	Vertical	N/A
3	4888.000	49.24	-3.53	74.0	24.76	Peak	360.00	200	Vertical	Pass
3**	4888.000	39.74	-3.53	54.0	14.26	AV	360.00	200	Vertical	Pass
4	7794.750	53.87	0.29	74.0	20.13	Peak	360.00	300	Vertical	Pass
4**	7794.750	44.07	0.29	54.0	9.93	AV	360.00	300	Vertical	Pass
5	12431.750	53.09	1.06	74.0	20.91	Peak	280.00	100	Vertical	Pass
5**	12431.750	42.69	1.06	54.0	11.31	AV	280.00	100	Vertical	Pass
6	16402.162	54.59	3.14	74.0	19.41	Peak	344.00	300	Vertical	Pass
6**	16402.162	45.68	3.14	54.0	8.32	AV	344.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.900	50.98	-17.97	74.0	23.02	Peak	244.00	100	Horizontal	Pass
1**	1188.900	38.75	-17.97	54.0	15.25	AV	244.00	100	Horizontal	Pass
2	2436.000	110.66	-10.16	74.0	-36.66	Peak	98.00	100	Horizontal	N/A
2**	2436.000	103.52	-10.16	54.0	-49.52	AV	98.00	100	Horizontal	N/A
3	4918.750	49.39	-3.54	74.0	24.61	Peak	293.00	200	Horizontal	Pass
3**	4918.750	39.50	-3.54	54.0	14.50	AV	293.00	200	Horizontal	Pass
4	7733.750	54.25	0.47	74.0	19.75	Peak	360.00	300	Horizontal	Pass
4**	7733.750	44.03	0.47	54.0	9.97	AV	360.00	300	Horizontal	Pass
5	12372.612	52.82	0.96	74.0	21.18	Peak	0.00	100	Horizontal	Pass
5**	12372.612	43.11	0.96	54.0	10.89	AV	0.00	100	Horizontal	Pass
6	16413.449	54.46	2.99	74.0	19.54	Peak	339.00	300	Horizontal	Pass
6**	16413.449	45.43	2.99	54.0	8.57	AV	339.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	53.39	-18.04	74.0	20.61	Peak	109.00	150	Vertical	Pass
1**	1188.300	50.38	-18.04	54.0	3.62	AV	109.00	150	Vertical	Pass
2	2438.600	103.28	-10.02	74.0	-29.28	Peak	265.00	150	Vertical	N/A
2**	2438.600	95.16	-10.02	54.0	-41.16	AV	265.00	150	Vertical	N/A
3	5384.000	51.12	-2.93	74.0	22.88	Peak	18.00	150	Vertical	Pass
3**	5384.000	41.41	-2.93	54.0	12.59	AV	18.00	150	Vertical	Pass
4	7848.250	53.13	0.97	74.0	20.87	Peak	164.00	150	Vertical	Pass
4**	7848.250	44.42	0.97	54.0	9.58	AV	164.00	150	Vertical	Pass
5	12380.213	52.69	1.00	74.0	21.31	Peak	314.00	400	Vertical	Pass
5**	12380.213	42.59	1.00	54.0	11.41	AV	314.00	400	Vertical	Pass
6	16433.926	54.52	2.71	74.0	19.48	Peak	0.00	300	Vertical	Pass
6**	16433.926	45.84	2.71	54.0	8.16	AV	0.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.400	50.13	-18.05	74.0	23.87	Peak	150.00	200	Horizontal	Pass
1**	1188.400	41.00	-18.05	54.0	13.00	AV	150.00	200	Horizontal	Pass
2	2460.700	108.86	-11.30	74.0	-34.86	Peak	58.00	150	Horizontal	N/A
2**	2460.700	101.58	-11.30	54.0	-47.58	AV	58.00	150	Horizontal	N/A
3	4990.250	49.65	-3.20	74.0	24.35	Peak	188.00	100	Horizontal	Pass
3**	4990.250	40.37	-3.20	54.0	13.63	AV	188.00	100	Horizontal	Pass
4	7771.750	53.49	1.36	74.0	20.51	Peak	60.00	300	Horizontal	Pass
4**	7771.750	44.51	1.36	54.0	9.49	AV	60.00	300	Horizontal	Pass
5	12290.201	52.35	0.66	74.0	21.65	Peak	84.00	400	Horizontal	Pass
5**	12290.201	42.91	0.66	54.0	11.09	AV	84.00	400	Horizontal	Pass
6	16412.662	55.40	3.00	74.0	18.60	Peak	288.00	100	Horizontal	Pass
6**	16412.662	45.44	3.00	54.0	8.56	AV	288.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.600	53.81	-18.05	74.0	20.19	Peak	276.00	100	Vertical	Pass
1**	1188.600	45.30	-18.05	54.0	8.70	AV	276.00	100	Vertical	Pass
2	2462.900	103.23	-11.43	74.0	-29.23	Peak	266.00	200	Vertical	N/A
2**	2462.900	95.71	-11.43	54.0	-41.71	AV	266.00	200	Vertical	N/A
3	4950.750	49.45	-3.64	74.0	24.55	Peak	360.00	100	Vertical	Pass
3**	4950.750	40.11	-3.64	54.0	13.89	AV	360.00	100	Vertical	Pass
4	7811.250	53.75	1.04	74.0	20.25	Peak	230.00	400	Vertical	Pass
4**	7811.250	44.40	1.04	54.0	9.60	AV	230.00	400	Vertical	Pass
5	11795.724	53.06	-0.15	74.0	20.94	Peak	75.00	400	Vertical	Pass
5**	11795.724	44.15	-0.15	54.0	9.85	AV	75.00	400	Vertical	Pass
6	16417.125	55.02	2.94	74.0	18.98	Peak	18.00	300	Vertical	Pass
6**	16417.125	45.45	2.94	54.0	8.55	AV	18.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.500	50.85	-18.05	74.0	23.15	Peak	145.00	100	Horizontal	Pass
1**	1188.500	41.95	-18.05	54.0	12.05	AV	145.00	100	Horizontal	Pass
2	2465.800	108.92	-11.21	74.0	-34.92	Peak	63.00	200	Horizontal	N/A
2**	2465.800	101.38	-11.21	54.0	-47.38	AV	63.00	200	Horizontal	N/A
3	4739.250	49.27	-2.84	74.0	24.73	Peak	337.00	150	Horizontal	Pass
3**	4739.250	39.92	-2.84	54.0	14.08	AV	337.00	150	Horizontal	Pass
4	7794.500	54.34	0.35	74.0	19.66	Peak	360.00	200	Horizontal	Pass
4**	7794.500	44.21	0.35	54.0	9.79	AV	360.00	200	Horizontal	Pass
5	12281.413	52.83	0.76	74.0	21.17	Peak	69.00	200	Horizontal	Pass
5**	12281.413	43.61	0.76	54.0	10.39	AV	69.00	200	Horizontal	Pass
6	17284.426	55.56	2.58	74.0	18.44	Peak	122.00	200	Horizontal	Pass
6**	17284.426	45.02	2.58	54.0	8.98	AV	122.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.700	53.46	-18.02	74.0	20.54	Peak	52.00	300	Vertical	Pass
1**	1188.700	41.45	-18.02	54.0	12.55	AV	52.00	300	Vertical	Pass
2	2468.200	103.52	-11.03	74.0	-29.52	Peak	271.00	200	Vertical	N/A
2**	2468.200	95.30	-11.03	54.0	-41.30	AV	271.00	200	Vertical	N/A
3	4812.500	49.22	-3.01	74.0	24.78	Peak	0.00	150	Vertical	Pass
3**	4812.500	39.97	-3.01	54.0	14.03	AV	0.00	150	Vertical	Pass
4	7482.000	53.62	0.69	74.0	20.38	Peak	360.00	200	Vertical	Pass
4**	7482.000	43.61	0.69	54.0	10.39	AV	360.00	200	Vertical	Pass
5	12999.900	52.66	2.05	74.0	21.34	Peak	33.00	200	Vertical	Pass
5**	12999.900	42.71	2.05	54.0	11.29	AV	33.00	200	Vertical	Pass
6	16413.712	55.52	2.98	74.0	18.48	Peak	40.00	100	Vertical	Pass
6**	16413.712	45.72	2.98	54.0	8.28	AV	40.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1187.900	49.96	-17.88	74.0	24.04	Peak	154.00	400	Horizontal	Pass
1**	1187.900	39.14	-17.88	54.0	14.86	AV	154.00	400	Horizontal	Pass
2	2473.300	109.19	-10.78	74.0	-35.19	Peak	291.00	100	Horizontal	N/A
2**	2473.300	102.13	-10.78	54.0	-48.13	AV	291.00	100	Horizontal	N/A
3	4917.750	49.18	-3.82	74.0	24.82	Peak	41.00	100	Horizontal	Pass
3**	4917.750	39.69	-3.82	54.0	14.31	AV	41.00	100	Horizontal	Pass
4	7795.000	53.82	0.25	74.0	20.18	Peak	171.00	400	Horizontal	Pass
4**	7795.000	44.55	0.25	54.0	9.45	AV	171.00	400	Horizontal	Pass
5	12526.276	52.58	1.29	74.0	21.42	Peak	320.00	400	Horizontal	Pass
5**	12526.276	43.12	1.29	54.0	10.88	AV	320.00	400	Horizontal	Pass
6	16428.151	54.45	2.79	74.0	19.55	Peak	148.00	400	Horizontal	Pass
6**	16428.151	45.14	2.79	54.0	8.86	AV	148.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.000	57.33	-17.95	74.0	16.67	Peak	273.00	150	Vertical	Pass
1**	1188.000	50.20	-17.95	54.0	3.80	AV	273.00	150	Vertical	Pass
2	2470.700	103.71	-10.85	74.0	-29.71	Peak	264.00	100	Vertical	N/A
2**	2470.700	96.85	-10.85	54.0	-42.85	AV	264.00	100	Vertical	N/A
3	4921.750	49.41	-3.28	74.0	24.59	Peak	360.00	150	Vertical	Pass
3**	4921.750	39.96	-3.28	54.0	14.04	AV	360.00	150	Vertical	Pass
4	7819.250	53.79	1.30	74.0	20.21	Peak	289.00	200	Vertical	Pass
4**	7819.250	44.51	1.30	54.0	9.49	AV	289.00	200	Vertical	Pass
5	12349.813	52.48	0.84	74.0	21.52	Peak	360.00	100	Vertical	Pass
5**	12349.813	43.43	0.84	54.0	10.57	AV	360.00	100	Vertical	Pass
6	17469.225	54.76	5.21	74.0	19.24	Peak	140.00	300	Vertical	Pass
6**	17469.225	45.48	5.21	54.0	8.52	AV	140.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	50.62	-18.01	74.0	23.38	Peak	150.00	300	Horizontal	Pass
1**	1188.100	42.45	-18.01	54.0	11.55	AV	150.00	300	Horizontal	Pass
2	2413.100	109.99	-10.34	74.0	-35.99	Peak	281.00	150	Horizontal	N/A
2**	2413.100	102.83	-10.34	54.0	-48.83	AV	281.00	150	Horizontal	N/A
3	4806.750	49.13	-3.03	74.0	24.87	Peak	60.00	150	Horizontal	Pass
3**	4806.750	39.64	-3.03	54.0	14.36	AV	60.00	150	Horizontal	Pass
4	7757.750	53.78	1.51	74.0	20.22	Peak	166.00	400	Horizontal	Pass
4**	7757.750	44.35	1.51	54.0	9.65	AV	166.00	400	Horizontal	Pass
5	11795.963	52.53	-0.15	74.0	21.47	Peak	360.00	300	Horizontal	Pass
5**	11795.963	43.82	-0.15	54.0	10.18	AV	360.00	300	Horizontal	Pass
6	16448.887	54.99	2.51	74.0	19.01	Peak	235.00	200	Horizontal	Pass
6**	16448.887	45.23	2.51	54.0	8.77	AV	235.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	52.59	-18.04	74.0	21.41	Peak	123.00	200	Vertical	Pass
1**	1188.300	44.57	-18.04	54.0	9.43	AV	123.00	200	Vertical	Pass
2	2411.200	103.73	-10.33	74.0	-29.73	Peak	280.00	150	Vertical	N/A
2**	2411.200	96.46	-10.33	54.0	-42.46	AV	280.00	150	Vertical	N/A
3	5684.250	51.39	-2.27	74.0	22.61	Peak	194.00	150	Vertical	Pass
3**	5684.250	41.39	-2.27	54.0	12.61	AV	194.00	150	Vertical	Pass
4	7927.750	53.77	1.93	74.0	20.23	Peak	84.00	150	Vertical	Pass
4**	7927.750	44.20	1.93	54.0	9.80	AV	84.00	150	Vertical	Pass
5	12519.151	52.53	1.33	74.0	21.47	Peak	310.00	300	Vertical	Pass
5**	12519.151	43.62	1.33	54.0	10.38	AV	310.00	300	Vertical	Pass
6	16398.489	54.51	3.11	74.0	19.49	Peak	360.00	300	Vertical	Pass
6**	16398.489	46.02	3.11	54.0	7.98	AV	360.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.900	51.14	-17.97	74.0	22.86	Peak	153.00	300	Horizontal	Pass
1**	1188.900	37.42	-17.97	54.0	16.58	AV	153.00	300	Horizontal	Pass
2	2436.200	110.85	-10.21	74.0	-36.85	Peak	85.00	200	Horizontal	N/A
2**	2436.200	104.26	-10.21	54.0	-50.26	AV	85.00	200	Horizontal	N/A
3	4971.000	49.85	-3.69	74.0	24.15	Peak	84.00	200	Horizontal	Pass
3**	4971.000	39.89	-3.69	54.0	14.11	AV	84.00	200	Horizontal	Pass
4	7763.500	54.16	1.58	74.0	19.84	Peak	0.00	400	Horizontal	Pass
4**	7763.500	44.64	1.58	54.0	9.36	AV	0.00	400	Horizontal	Pass
5	11803.088	52.87	-0.18	74.0	21.13	Peak	283.00	400	Horizontal	Pass
5**	11803.088	44.15	-0.18	54.0	9.85	AV	283.00	400	Horizontal	Pass
6	16400.588	54.73	3.16	74.0	19.27	Peak	137.00	400	Horizontal	Pass
6**	16400.588	45.32	3.16	54.0	8.68	AV	137.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.500	52.70	-18.05	74.0	21.30	Peak	286.00	200	Vertical	Pass
1**	1188.500	44.22	-18.05	54.0	9.78	AV	286.00	200	Vertical	Pass
2	2435.200	104.16	-10.22	74.0	-30.16	Peak	266.00	150	Vertical	N/A
2**	2435.200	97.12	-10.22	54.0	-43.12	AV	266.00	150	Vertical	N/A
3	4803.000	49.25	-3.55	74.0	24.75	Peak	62.00	150	Vertical	Pass
3**	4803.000	39.30	-3.55	54.0	14.70	AV	62.00	150	Vertical	Pass
4	7849.250	53.88	1.07	74.0	20.12	Peak	308.00	200	Vertical	Pass
4**	7849.250	44.20	1.07	54.0	9.80	AV	308.00	200	Vertical	Pass
5	12386.388	52.69	1.04	74.0	21.31	Peak	0.00	400	Vertical	Pass
5**	12386.388	43.06	1.04	54.0	10.94	AV	0.00	400	Vertical	Pass
6	16411.350	55.11	3.02	74.0	18.89	Peak	230.00	200	Vertical	Pass
6**	16411.350	46.26	3.02	54.0	7.74	AV	230.00	200	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.000	51.04	-17.95	74.0	22.96	Peak	154.00	100	Horizontal	Pass
1**	1188.000	42.14	-17.95	54.0	11.86	AV	154.00	100	Horizontal	Pass
2	2460.700	109.23	-11.30	74.0	-35.23	Peak	115.00	200	Horizontal	N/A
2**	2460.700	102.33	-11.30	54.0	-48.33	AV	115.00	200	Horizontal	N/A
3	4943.000	49.52	-3.77	74.0	24.48	Peak	268.00	200	Horizontal	Pass
3**	4943.000	40.75	-3.77	54.0	13.25	AV	268.00	200	Horizontal	Pass
4	7754.750	54.74	1.19	74.0	19.26	Peak	0.00	200	Horizontal	Pass
4**	7754.750	44.89	1.19	54.0	9.11	AV	0.00	200	Horizontal	Pass
5	12335.088	52.81	0.76	74.0	21.19	Peak	356.00	100	Horizontal	Pass
5**	12335.088	43.64	0.76	54.0	10.36	AV	356.00	100	Horizontal	Pass
6	17474.474	54.73	5.11	74.0	19.27	Peak	193.00	200	Horizontal	Pass
6**	17474.474	46.25	5.11	54.0	7.75	AV	193.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1187.700	52.82	-17.75	74.0	21.18	Peak	288.00	400	Vertical	Pass
1**	1187.700	43.90	-17.75	54.0	10.10	AV	288.00	400	Vertical	Pass
2	2460.700	104.27	-11.30	74.0	-30.27	Peak	269.00	100	Vertical	N/A
2**	2460.700	96.91	-11.30	54.0	-42.91	AV	269.00	100	Vertical	N/A
3	4999.750	49.07	-3.13	74.0	24.93	Peak	281.00	150	Vertical	Pass
3**	4999.750	40.11	-3.13	54.0	13.89	AV	281.00	150	Vertical	Pass
4	7757.250	54.17	1.46	74.0	19.83	Peak	237.00	400	Vertical	Pass
4**	7757.250	45.33	1.46	54.0	8.67	AV	237.00	400	Vertical	Pass
5	11777.438	53.37	-0.17	74.0	20.63	Peak	48.00	200	Vertical	Pass
5**	11777.438	44.18	-0.17	54.0	9.82	AV	48.00	200	Vertical	Pass
6	16179.562	54.78	1.95	74.0	19.22	Peak	288.00	100	Vertical	Pass
6**	16179.562	44.14	1.95	54.0	9.86	AV	288.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	49.02	-18.01	74.0	24.98	Peak	48.00	100	Horizontal	Pass
1**	1188.100	40.28	-18.01	54.0	13.72	AV	48.00	100	Horizontal	Pass
2	2468.200	109.99	-11.03	74.0	-35.99	Peak	65.00	150	Horizontal	N/A
2**	2468.200	103.26	-11.03	54.0	-49.26	AV	65.00	150	Horizontal	N/A
3	4933.250	49.19	-3.43	74.0	24.81	Peak	80.00	100	Horizontal	Pass
3**	4933.250	39.74	-3.43	54.0	14.26	AV	80.00	100	Horizontal	Pass
4	7757.750	53.81	1.51	74.0	20.19	Peak	58.00	200	Horizontal	Pass
4**	7757.750	44.65	1.51	54.0	9.35	AV	58.00	200	Horizontal	Pass
5	11797.151	53.25	-0.15	74.0	20.75	Peak	314.00	300	Horizontal	Pass
5**	11797.151	43.33	-0.15	54.0	10.67	AV	314.00	300	Horizontal	Pass
6	16407.151	54.63	3.07	74.0	19.37	Peak	114.00	400	Horizontal	Pass
6**	16407.151	46.22	3.07	54.0	7.78	AV	114.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.100	55.62	-18.01	74.0	18.38	Peak	136.00	150	Vertical	Pass
1**	1188.100	48.26	-18.01	54.0	5.74	AV	136.00	150	Vertical	Pass
2	2465.800	104.06	-11.21	74.0	-30.06	Peak	356.00	200	Vertical	N/A
2**	2465.800	96.74	-11.21	54.0	-42.74	AV	356.00	200	Vertical	N/A
3	4933.750	49.49	-3.39	74.0	24.51	Peak	82.00	200	Vertical	Pass
3**	4933.750	40.08	-3.39	54.0	13.92	AV	82.00	200	Vertical	Pass
4	7894.500	53.49	1.44	74.0	20.51	Peak	165.00	300	Vertical	Pass
4**	7894.500	42.99	1.44	54.0	11.01	AV	165.00	300	Vertical	Pass
5	12057.213	52.86	-0.21	74.0	21.14	Peak	227.00	100	Vertical	Pass
5**	12057.213	41.31	-0.21	54.0	12.69	AV	227.00	100	Vertical	Pass
6	17456.886	54.36	5.44	74.0	19.64	Peak	225.00	200	Vertical	Pass
6**	17456.886	45.45	5.44	54.0	8.55	AV	225.00	200	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	51.88	-18.04	74.0	22.12	Peak	49.00	200	Horizontal	Pass
1**	1188.300	43.13	-18.04	54.0	10.87	AV	49.00	200	Horizontal	Pass
2	2471.100	110.05	-10.92	74.0	-36.05	Peak	308.00	100	Horizontal	N/A
2**	2471.100	103.34	-10.92	54.0	-49.34	AV	308.00	100	Horizontal	N/A
3	4981.250	49.33	-3.29	74.0	24.67	Peak	351.00	200	Horizontal	Pass
3**	4981.250	41.14	-3.29	54.0	12.86	AV	351.00	200	Horizontal	Pass
4	7856.250	53.66	1.36	74.0	20.34	Peak	327.00	400	Horizontal	Pass
4**	7856.250	44.98	1.36	54.0	9.02	AV	327.00	400	Horizontal	Pass
5	12300.650	52.03	0.56	74.0	21.97	Peak	168.00	200	Horizontal	Pass
5**	12300.650	42.90	0.56	54.0	11.10	AV	168.00	200	Horizontal	Pass
6	16421.063	54.26	2.89	74.0	19.74	Peak	240.00	300	Horizontal	Pass
6**	16421.063	44.93	2.89	54.0	9.07	AV	240.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.300	55.26	-18.04	74.0	18.74	Peak	124.00	150	Vertical	Pass
1**	1188.300	49.18	-18.04	54.0	4.82	AV	124.00	150	Vertical	Pass
2	2470.800	104.06	-10.85	74.0	-30.06	Peak	319.00	100	Vertical	N/A
2**	2470.800	97.04	-10.85	54.0	-43.04	AV	319.00	100	Vertical	N/A
3	4844.250	48.99	-3.78	74.0	25.01	Peak	82.00	200	Vertical	Pass
3**	4844.250	39.04	-3.78	54.0	14.96	AV	82.00	200	Vertical	Pass
4	7765.000	54.29	1.50	74.0	19.71	Peak	108.00	100	Vertical	Pass
4**	7765.000	44.79	1.50	54.0	9.21	AV	108.00	100	Vertical	Pass
5	12286.875	53.51	0.70	74.0	20.49	Peak	57.00	100	Vertical	Pass
5**	12286.875	43.64	0.70	54.0	10.36	AV	57.00	100	Vertical	Pass
6	16399.275	54.45	3.14	74.0	19.55	Peak	35.00	100	Vertical	Pass
6**	16399.275	45.35	3.14	54.0	8.65	AV	35.00	100	Vertical	Pass

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

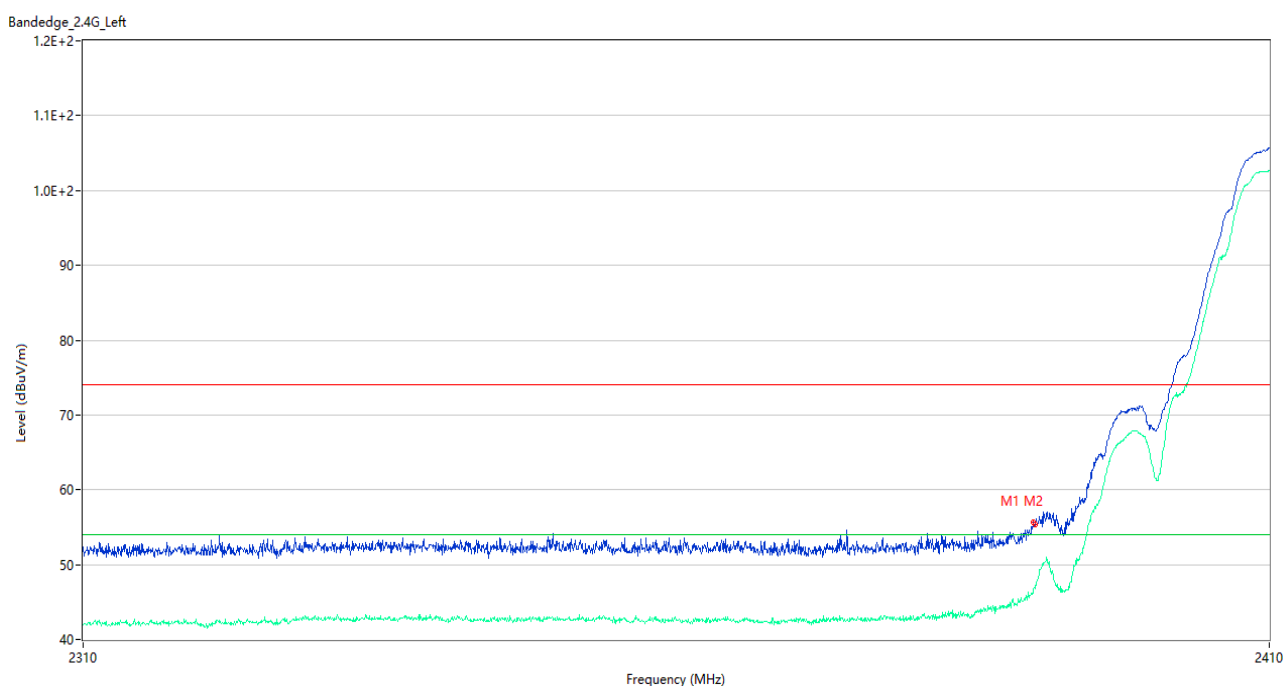
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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

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

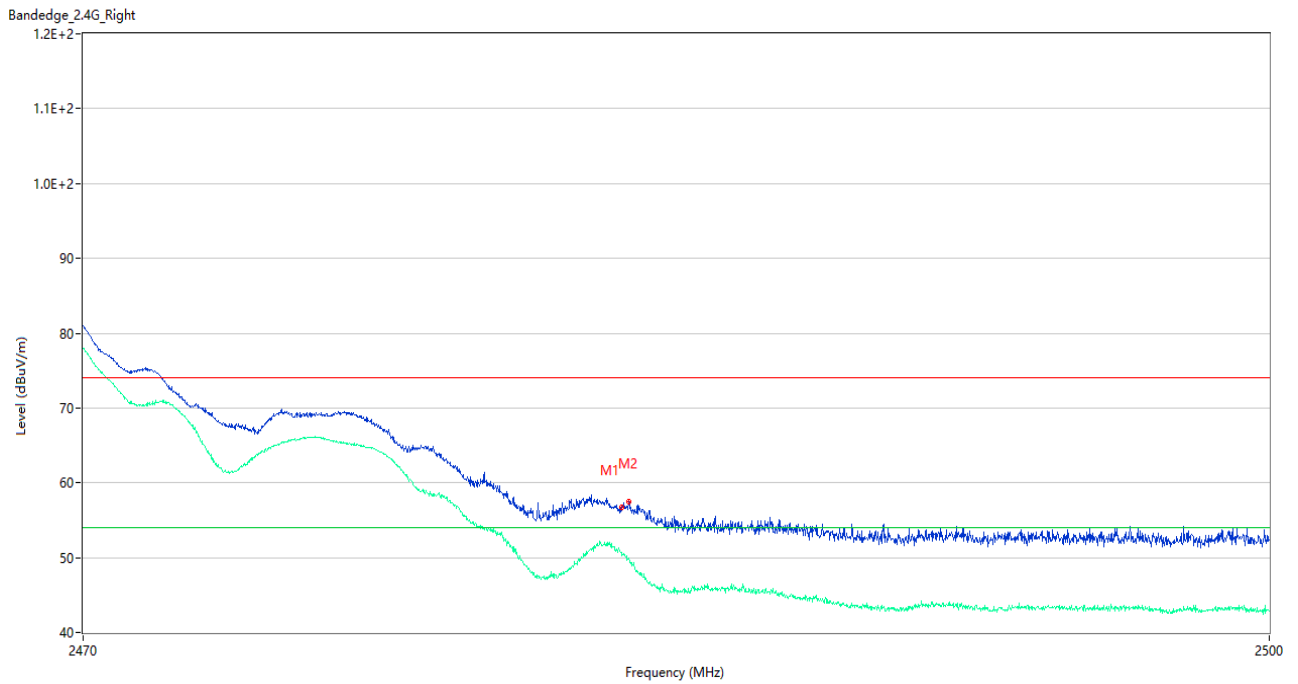
### Test Data and Plots

#### 802.11b CHANNEL 1



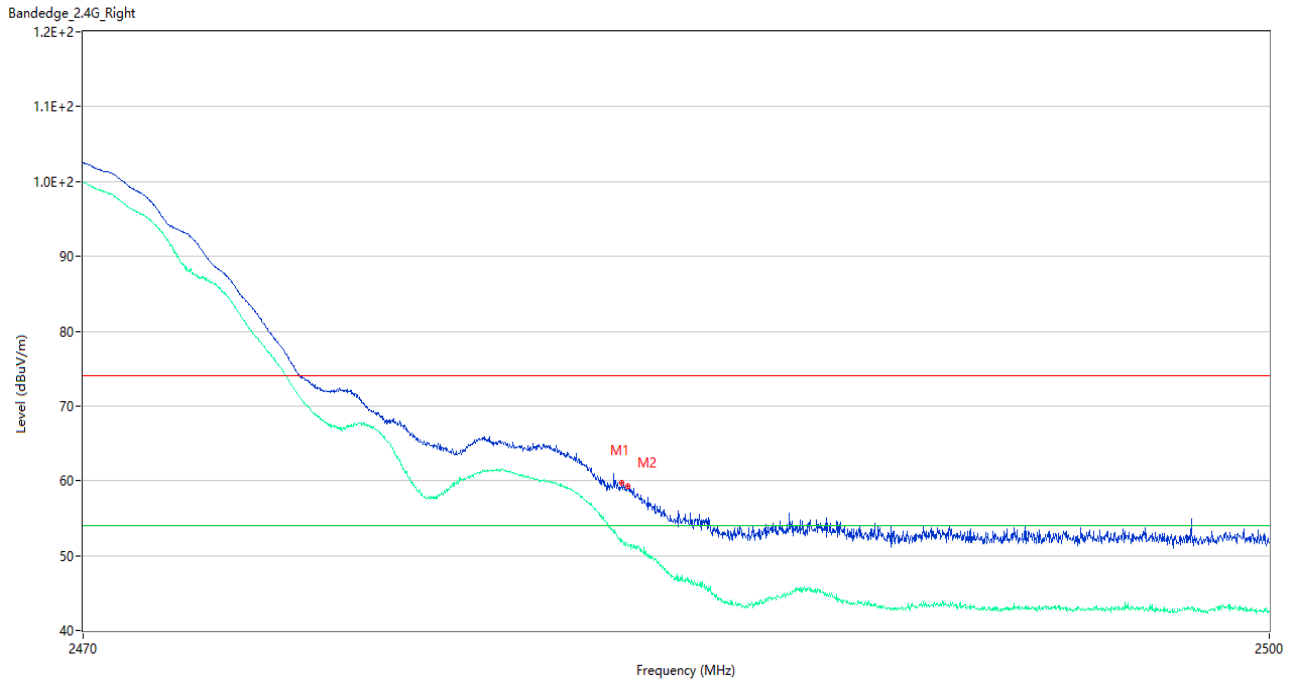
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.800	55.66	-1.78	74.0	18.34	Peak	298.00	150	Horizontal	Pass
1**	2389.800	46.61	-1.78	54.0	7.39	AV	298.00	150	Horizontal	Pass
2	2389.950	55.34	-1.82	74.0	18.66	Peak	286.00	150	Horizontal	Pass
2**	2389.950	47.22	-1.82	54.0	6.78	AV	286.00	150	Horizontal	Pass

802.11b CHANNEL 11



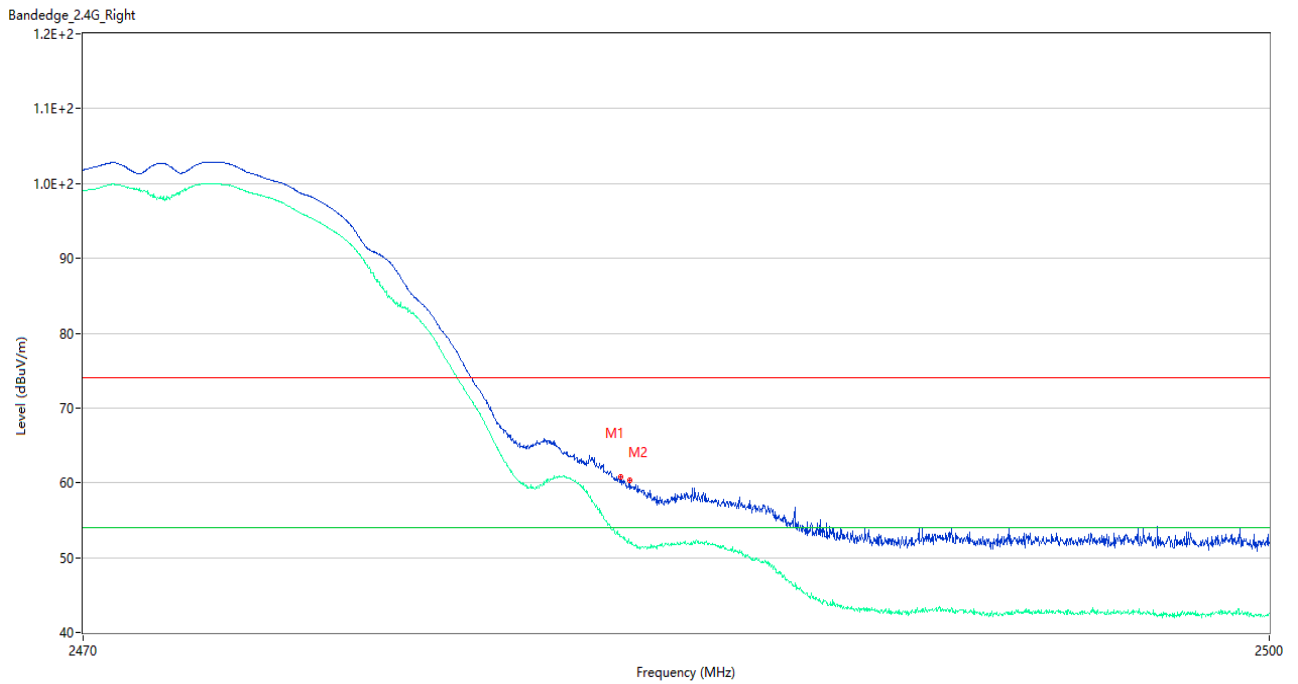
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	56.74	-1.09	74.0	17.26	Peak	93.00	150	Horizontal	Pass
1**	2483.590	50.28	-1.09	54.0	3.72	AV	93.00	150	Horizontal	Pass
2	2483.755	57.55	-1.06	74.0	16.45	Peak	84.00	100	Horizontal	Pass
2**	2483.755	49.88	-1.06	54.0	4.12	AV	84.00	100	Horizontal	Pass

802.11b CHANNEL 12



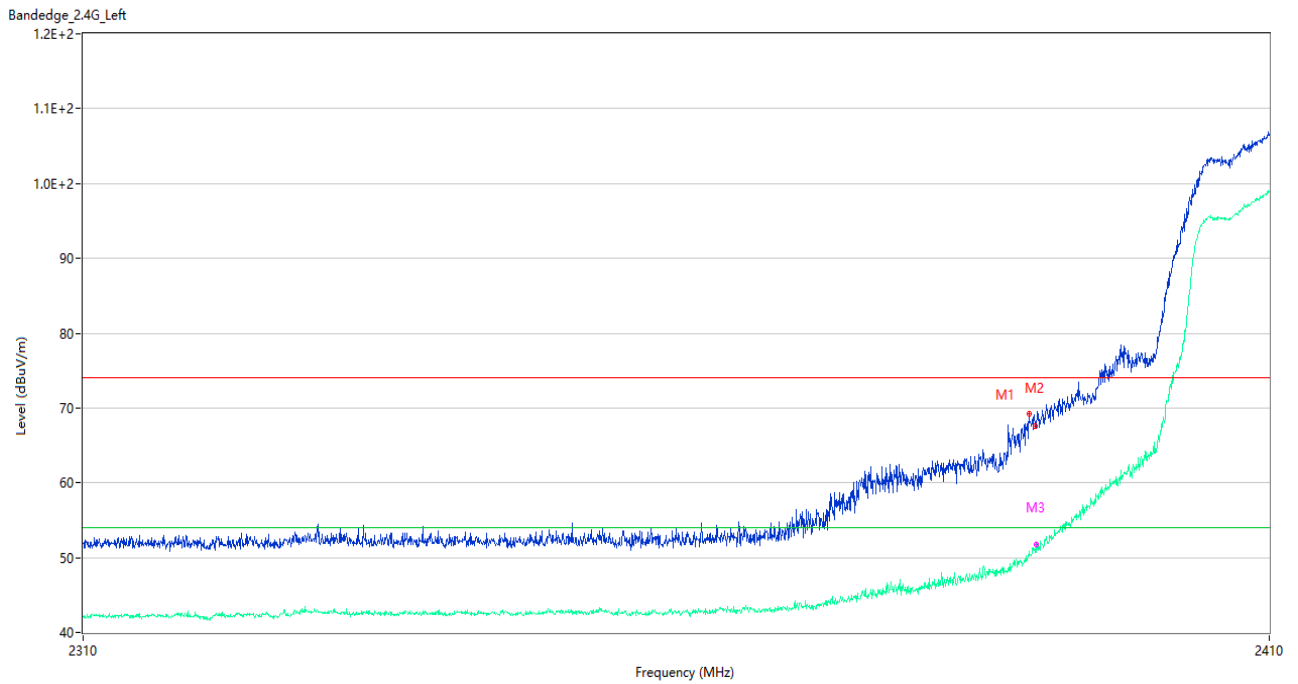
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	59.77	-1.09	74.0	14.23	Peak	87.00	100	Horizontal	Pass
1**	2483.590	52.18	-1.09	54.0	1.82	AV	87.00	100	Horizontal	Pass
2	2483.740	59.28	-1.06	74.0	14.72	Peak	87.00	200	Horizontal	Pass
2**	2483.740	51.32	-1.06	54.0	2.68	AV	87.00	200	Horizontal	Pass

802.11b CHANNEL 13



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	60.73	-1.09	74.0	13.27	Peak	93.00	200	Horizontal	Pass
1**	2483.545	52.76	-1.09	54.0	1.24	AV	93.00	200	Horizontal	Pass
2	2483.770	60.27	-1.05	74.0	13.73	Peak	280.00	100	Horizontal	Pass
2**	2483.770	51.84	-1.05	54.0	2.16	AV	280.00	100	Horizontal	Pass

802.11g CHANNEL 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.400	69.19	-1.79	74.0	4.81	Peak	79.00	100	Horizontal	Pass
1**	2389.400	50.88	-1.79	54.0	3.12	AV	79.00	100	Horizontal	Pass
2	2389.950	67.63	-1.82	74.0	6.37	Peak	294.00	100	Horizontal	Pass
2**	2389.950	50.77	-1.82	54.0	3.23	AV	294.00	100	Horizontal	Pass
3	2390.000	67.49	-1.83	74.0	6.51	Peak	305.00	150	Horizontal	Pass
3**	2390.000	51.76	-1.83	54.0	2.24	AV	305.00	150	Horizontal	Pass

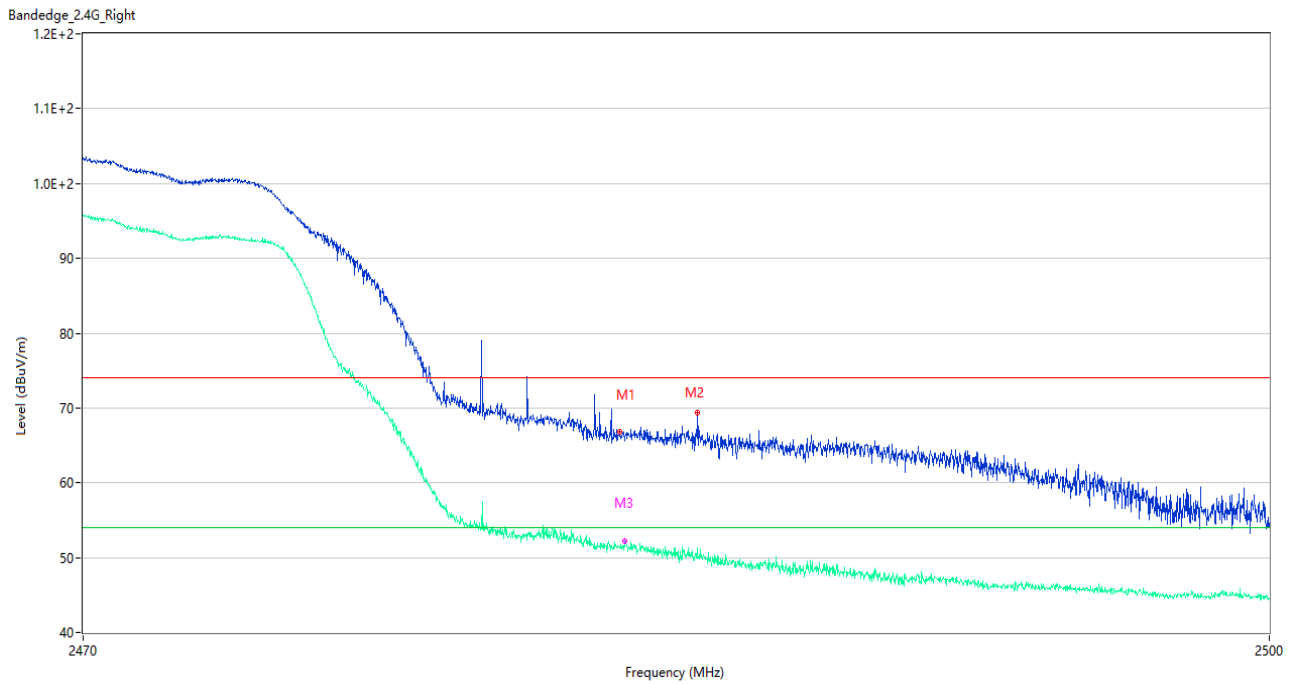


802.11g CHANNEL 11



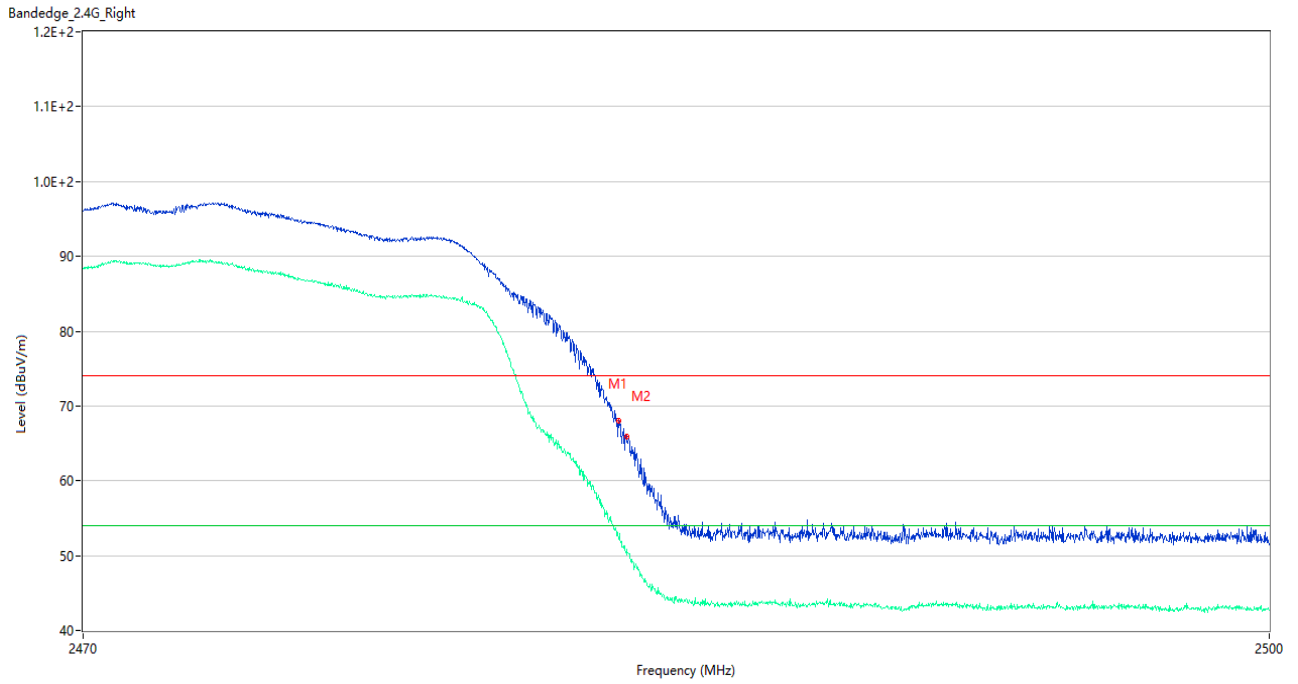
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	65.74	-1.09	74.0	8.26	Peak	84.00	150	Horizontal	Pass
1**	2483.545	50.97	-1.09	54.0	3.03	AV	84.00	150	Horizontal	Pass
2	2485.750	66.17	-1.15	74.0	7.83	Peak	92.00	100	Horizontal	Pass
2**	2485.750	50.23	-1.15	54.0	3.77	AV	92.00	100	Horizontal	Pass
3	2483.650	65.51	-1.07	74.0	8.49	Peak	281.00	150	Horizontal	Pass
3**	2483.650	51.68	-1.07	54.0	2.32	AV	281.00	150	Horizontal	Pass

802.11g CHANNEL 12



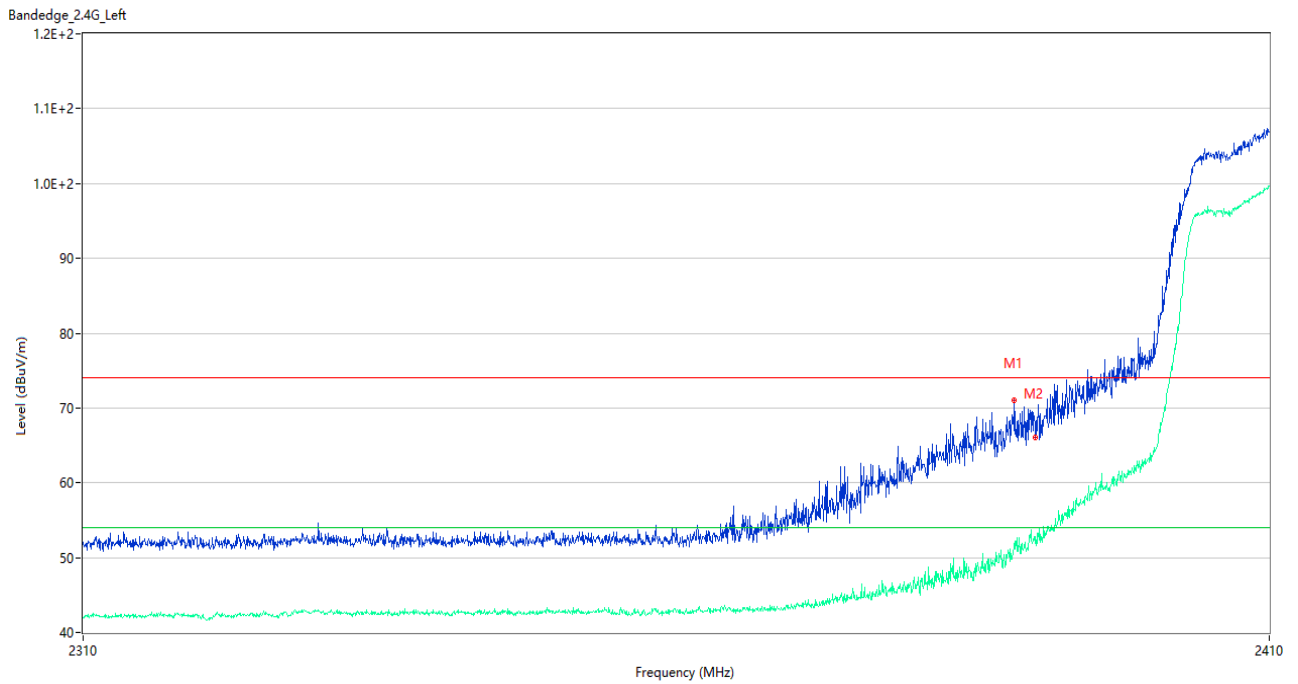
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	66.79	-1.10	74.0	7.21	Peak	91.00	200	Horizontal	Pass
1**	2483.530	51.35	-1.10	54.0	2.65	AV	91.00	200	Horizontal	Pass
2	2485.495	69.32	-1.10	74.0	4.68	Peak	86.00	100	Horizontal	Pass
2**	2485.495	49.98	-1.10	54.0	4.02	AV	86.00	100	Horizontal	Pass
3	2483.650	65.68	-1.07	74.0	8.32	Peak	292.00	150	Horizontal	Pass
3**	2483.650	52.19	-1.07	54.0	1.81	AV	292.00	150	Horizontal	Pass

802.11g CHANNEL 13



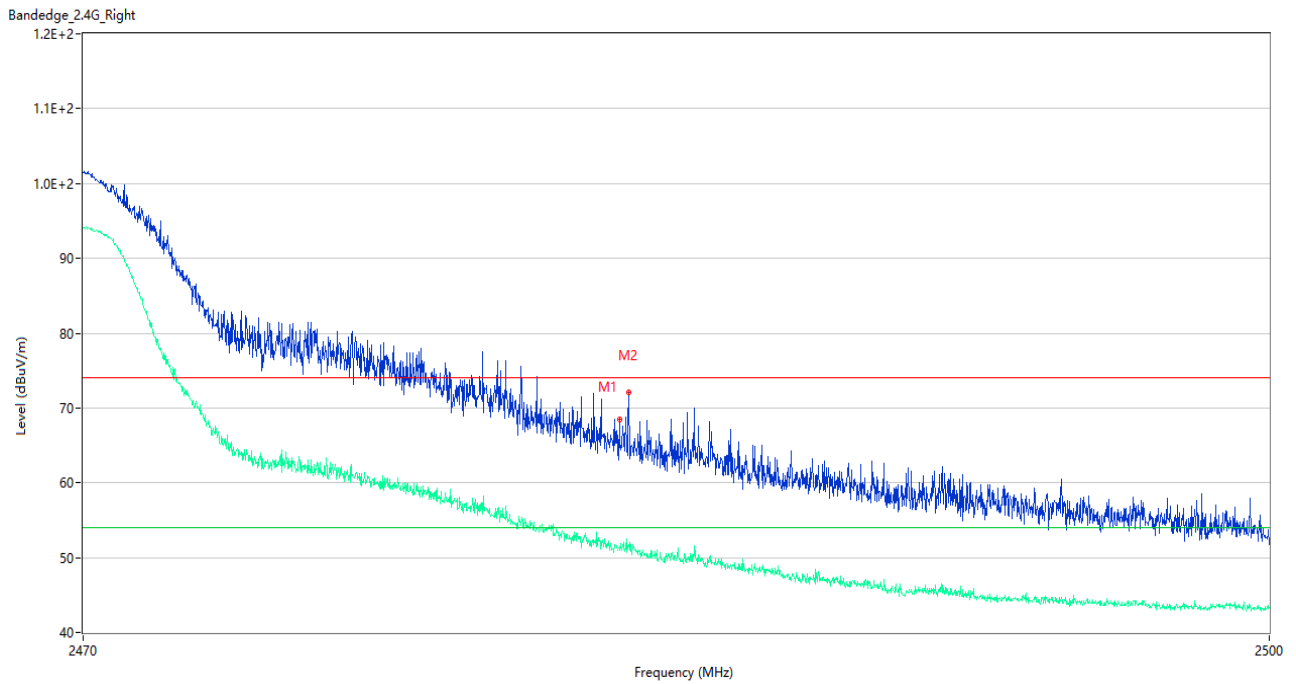
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.05	-1.10	74.0	5.95	Peak	88.00	200	Horizontal	Pass
1**	2483.500	52.20	-1.10	54.0	1.80	AV	88.00	200	Horizontal	Pass
2	2483.710	65.93	-1.06	74.0	8.07	Peak	88.00	150	Horizontal	Pass
2**	2483.710	50.05	-1.06	54.0	3.95	AV	88.00	150	Horizontal	Pass

802.11n20 CHANNEL 1



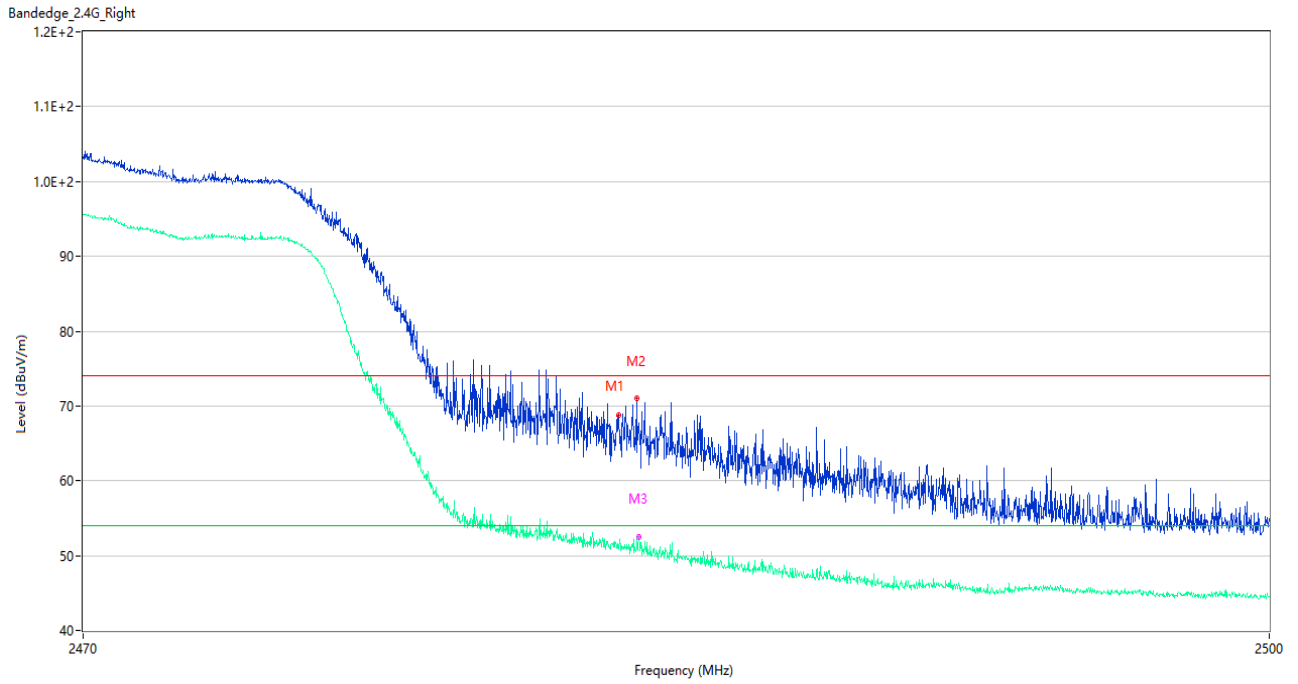
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.150	70.98	-1.74	74.0	3.02	Peak	289.00	150	Horizontal	Pass
1**	2388.150	51.56	-1.74	54.0	2.44	AV	289.00	150	Horizontal	Pass
2	2389.950	66.00	-1.82	74.0	8.00	Peak	59.00	100	Horizontal	Pass
2**	2389.950	52.84	-1.82	54.0	1.16	AV	59.00	100	Horizontal	Pass

802.11n20 CHANNEL 11



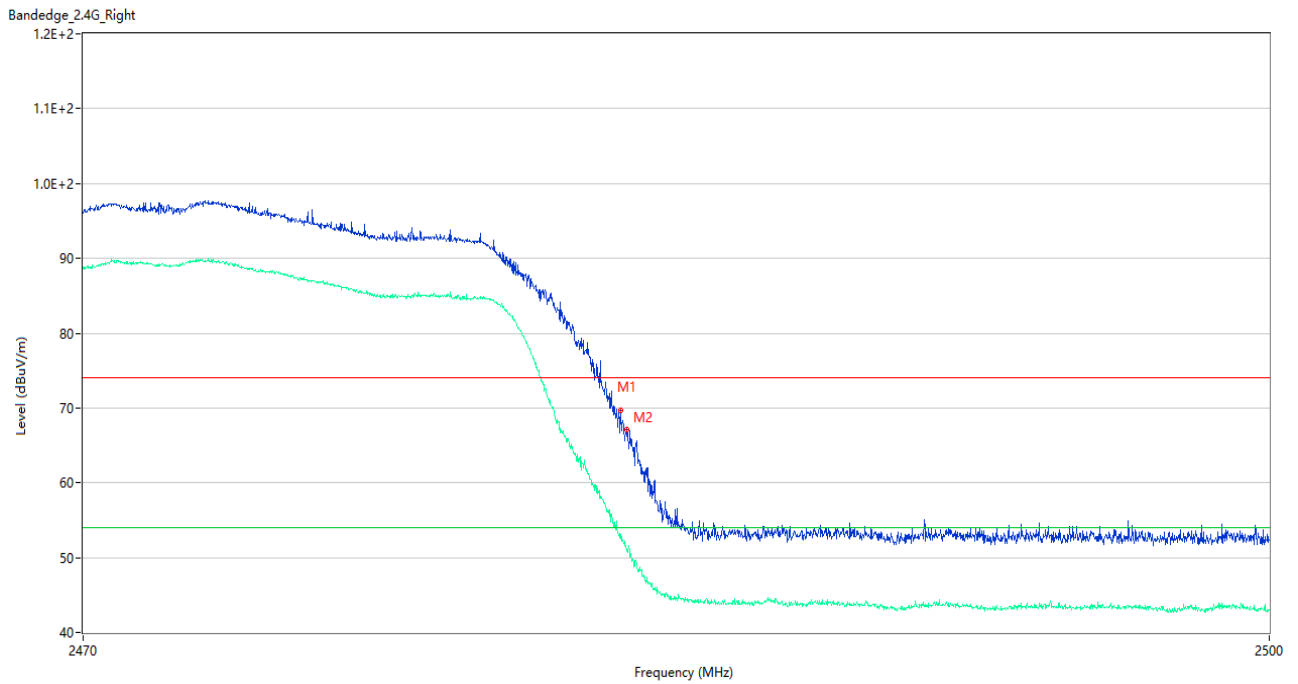
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	68.53	-1.10	74.0	5.47	Peak	120.00	100	Horizontal	Pass
1**	2483.515	51.40	-1.10	54.0	2.60	AV	120.00	100	Horizontal	Pass
2	2483.755	72.06	-1.06	74.0	1.94	Peak	271.00	100	Horizontal	Pass
2**	2483.755	51.57	-1.06	54.0	2.43	AV	271.00	100	Horizontal	Pass

802.11n20 CHANNEL 12



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.72	-1.10	74.0	5.28	Peak	88.00	100	Horizontal	Pass
1**	2483.500	50.85	-1.10	54.0	3.15	AV	88.00	100	Horizontal	Pass
2	2483.950	70.96	-1.04	74.0	3.04	Peak	88.00	200	Horizontal	Pass
2**	2483.950	50.98	-1.04	54.0	3.02	AV	88.00	200	Horizontal	Pass
3	2484.010	67.73	-1.06	74.0	6.27	Peak	276.00	150	Horizontal	Pass
3**	2484.010	52.55	-1.06	54.0	1.45	AV	276.00	150	Horizontal	Pass

802.11n20 CHANNEL 13



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	69.64	-1.09	74.0	4.36	Peak	91.00	100	Horizontal	Pass
1**	2483.545	52.49	-1.09	54.0	1.51	AV	91.00	100	Horizontal	Pass
2	2483.710	67.14	-1.06	74.0	6.86	Peak	264.00	150	Horizontal	Pass
2**	2483.710	50.78	-1.06	54.0	3.22	AV	264.00	150	Horizontal	Pass

## A.8 Power Spectral Density (PSD)

### Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
1	-5.10	8
6	-6.23	8
11	-6.41	8
12	-7.13	8
13	-9.27	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
1	-11.00	8
6	-6.85	8
11	-9.64	8
12	-10.89	8
13	-20.14	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
1	-10.96	8
6	-7.44	8
11	-9.83	8
12	-11.42	8
13	-19.90	8



Test Plots

802.11b CHANNEL 1



802.11b CHANNEL 6



802.11b CHANNEL 11



802.11b CHANNEL 12



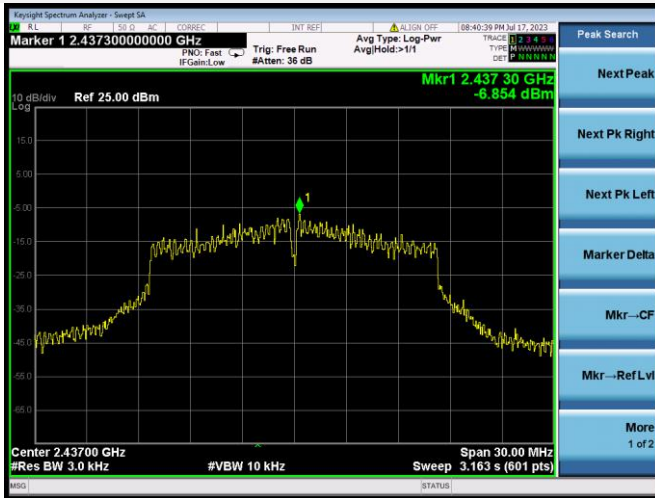
802.11b CHANNEL 13



802.11g CHANNEL 1



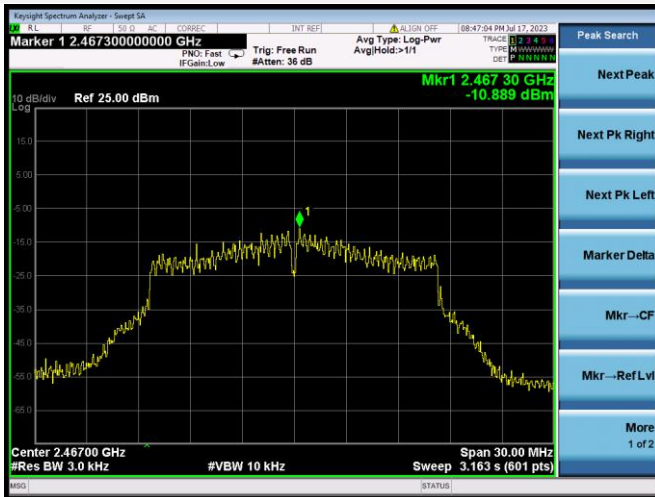
802.11g CHANNEL 6



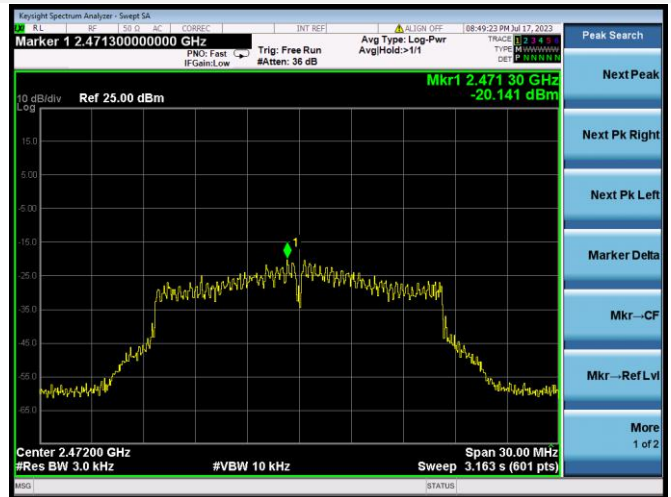
802.11g CHANNEL 11



802.11g CHANNEL 12



802.11g CHANNEL 13



802.11n-20 MHz CHANNEL 1



802.11n-20 MHz CHANNEL 6



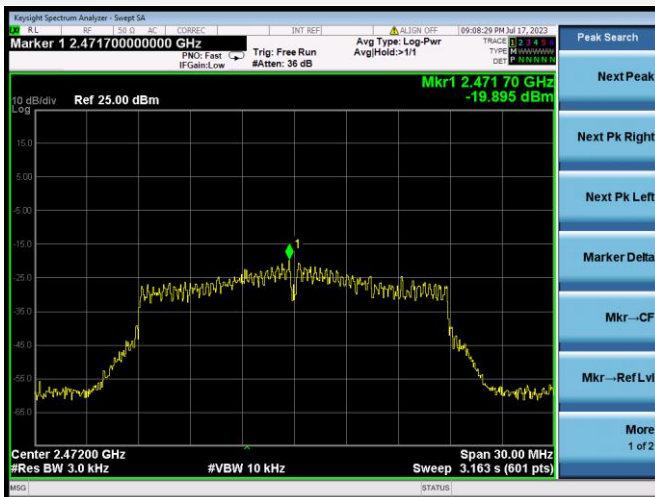
### 802.11n-20 MHz CHANNEL 11



### 802.11n-20 MHz CHANNEL 12



### 802.11n-20 MHz CHANNEL 13



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2370103-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2370103-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2370103-AI.PDF”.

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--END OF REPORT--