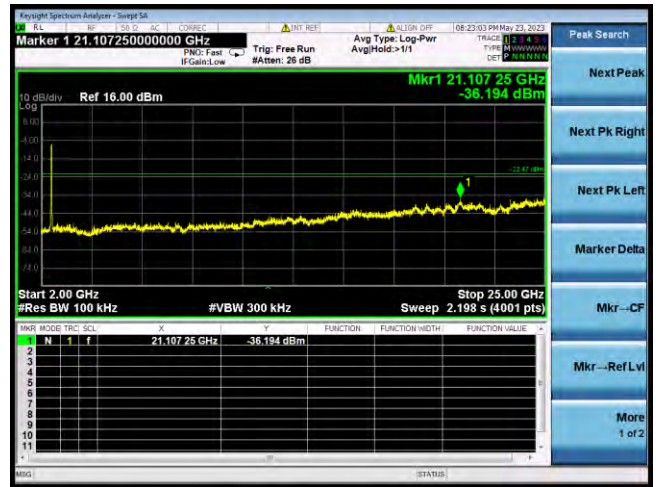
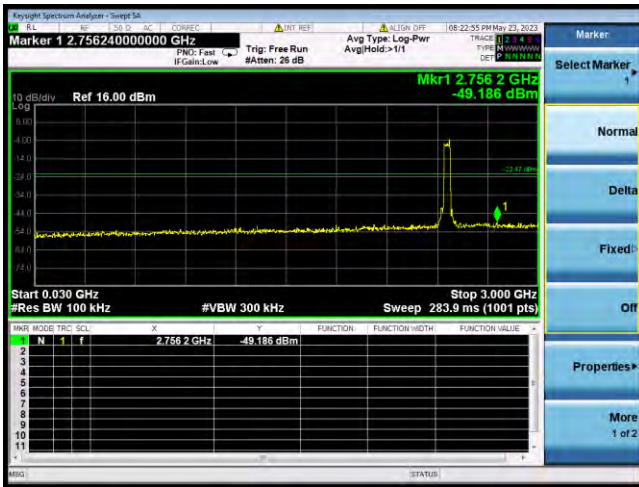


802.11n-40 MHz CHANNEL 11, SPURIOUS  
30 MHz ~ 3 GHz

802.11n-40 MHz CHANNEL 11, 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	
CH1	-29.61	4.20	-15.80	Pass
CH11	-45.44	2.68	-17.33	Pass
CH12	-42.60	2.41	-17.59	Pass
CH13	-39.09	-7.41	-27.41	Pass

#### 802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-36.47	3.46	-16.54	Pass
CH11	-38.82	4.71	-15.30	Pass
CH12	-34.86	0.42	-19.58	Pass
CH13	-34.91	-0.68	-20.68	Pass

#### 802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-37.94	2.11	-17.89	Pass
CH11	-37.42	3.95	-16.05	Pass
CH12	-26.87	5.89	-14.11	Pass
CH13	-41.26	0.04	-19.96	Pass

#### 802.11n-40 MHz Mode:

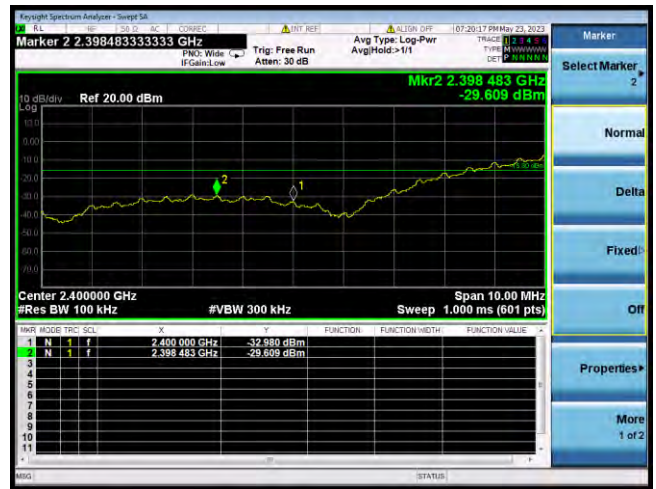
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-28.85	-2.71	-22.71	Pass
CH9	-35.75	-0.26	-20.26	Pass
CH10	-36.20	-0.35	-20.35	Pass
CH11	-38.04	-2.47	-22.47	Pass

Test Plots

802.11b CHANNEL 1, CARRIER LEVEL



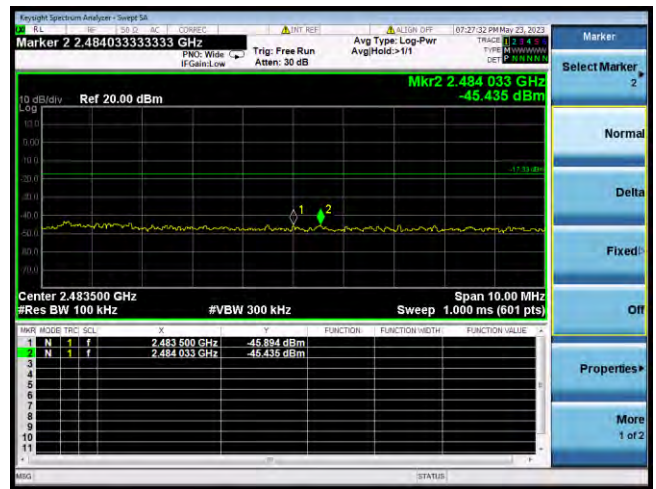
802.11b CHANNEL 1, BAND EDGE



802.11b CHANNEL 11, CARRIER LEVEL



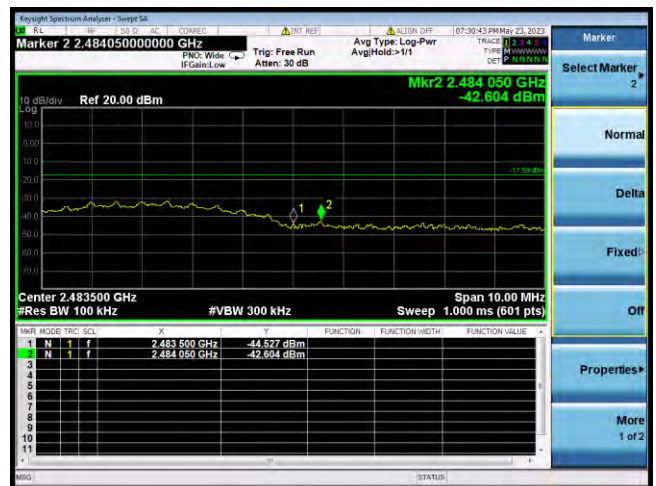
802.11b CHANNEL 11, BAND EDGE



802.11b CHANNEL 12, CARRIER LEVEL



802.11b CHANNEL 12, BAND EDGE

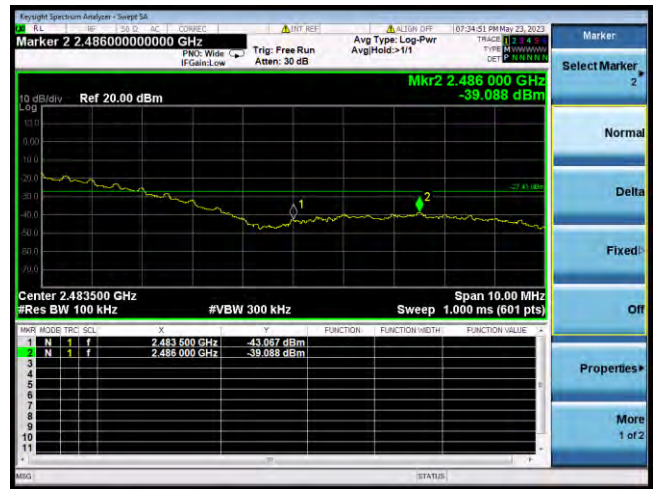




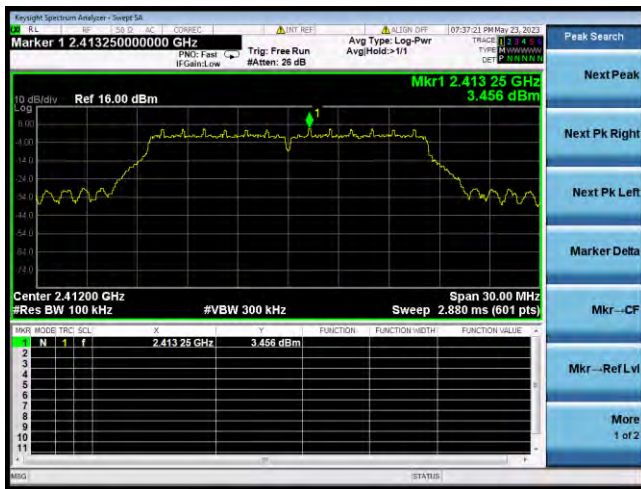
802.11b CHANNEL 13, CARRIER LEVEL



802.11b CHANNEL 13, BAND EDGE



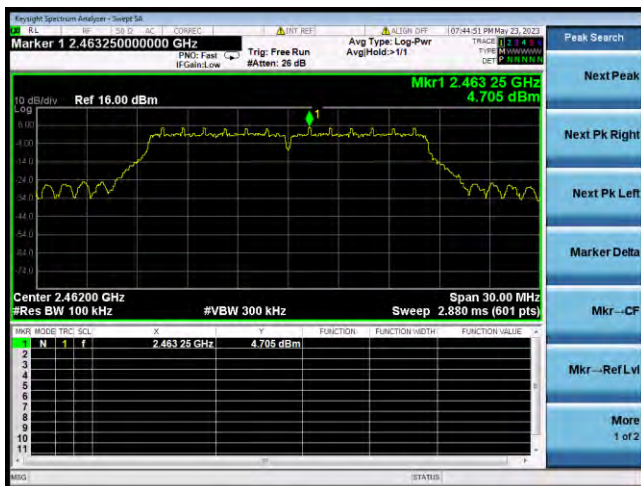
802.11g CHANNEL 1, CARRIER LEVEL



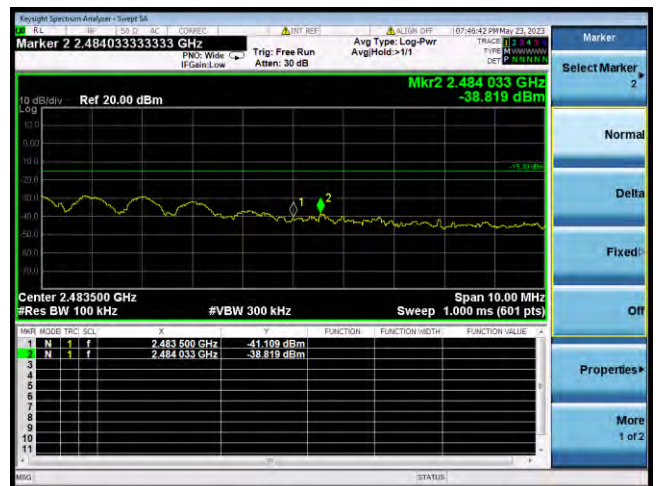
802.11g CHANNEL 1, BAND EDGE



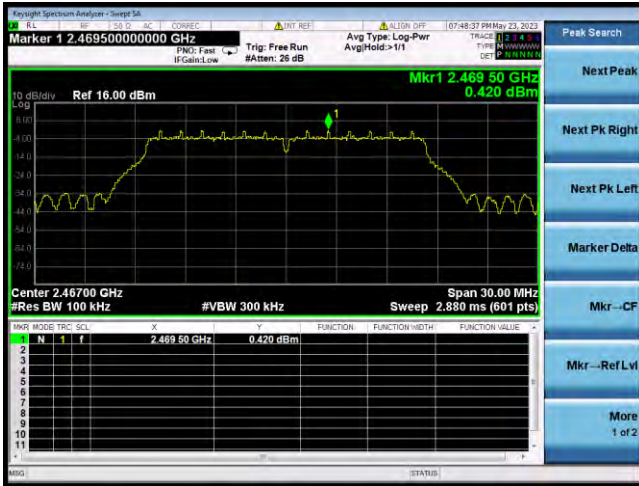
802.11g CHANNEL 11, CARRIER LEVEL



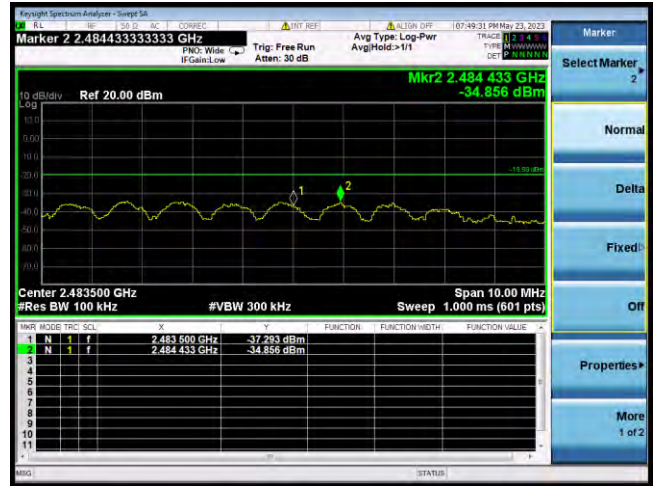
802.11g CHANNEL 11, BAND EDGE



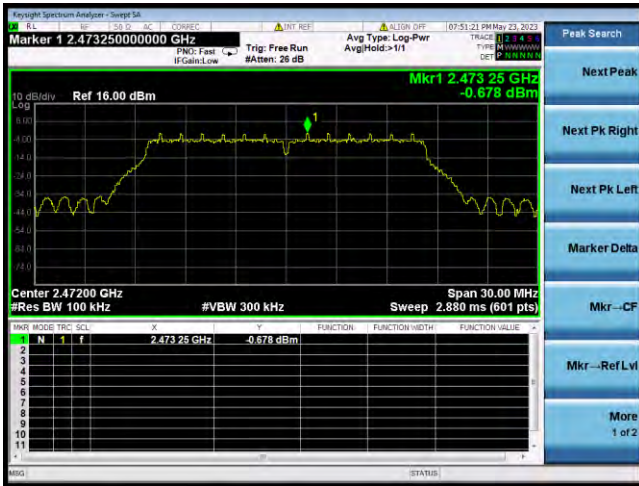
802.11g CHANNEL 12, CARRIER LEVEL



802.11g CHANNEL 12, BAND EDGE



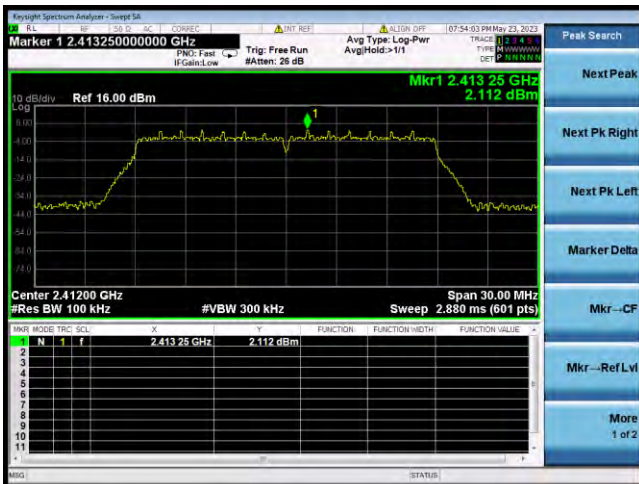
802.11g CHANNEL 13, CARRIER LEVEL



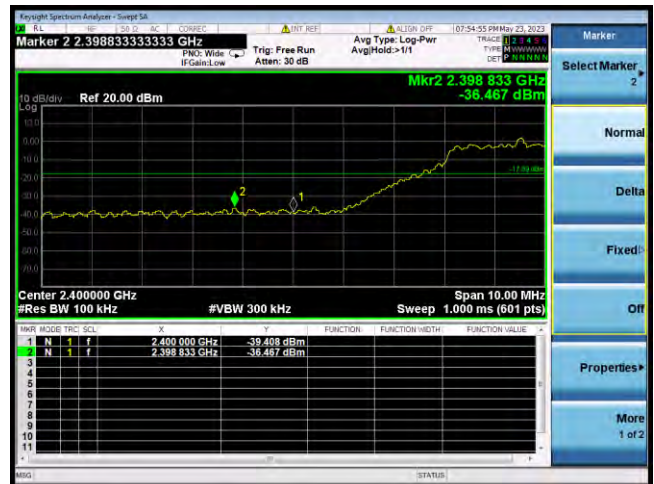
802.11g CHANNEL 13, BAND EDGE



802.11n-20 MHz CHANNEL 1, CARRIER LEVEL

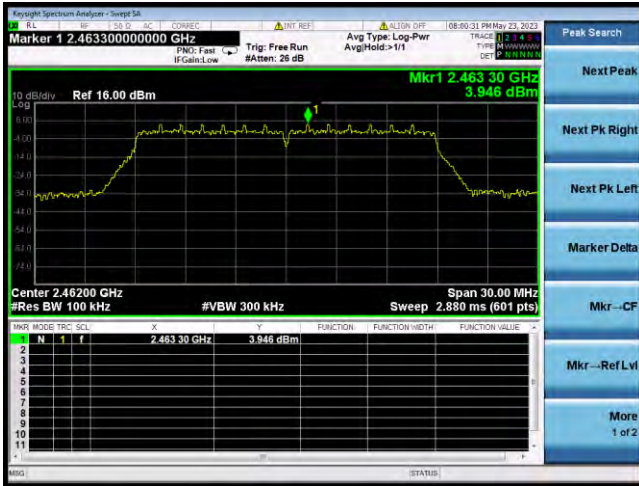


802.11n-20 MHz CHANNEL 1, BAND EDGE

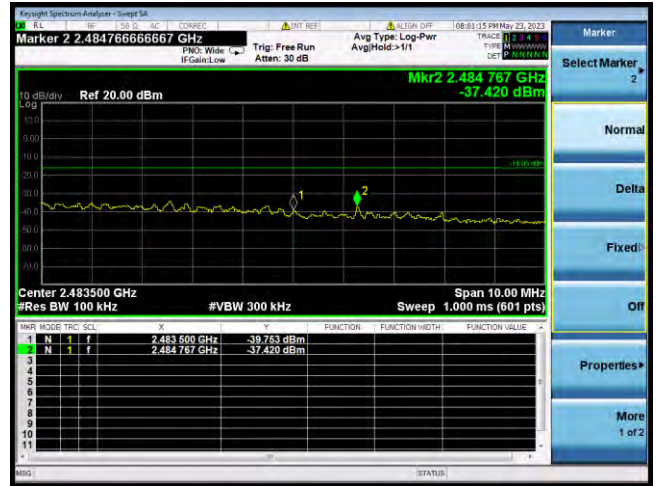




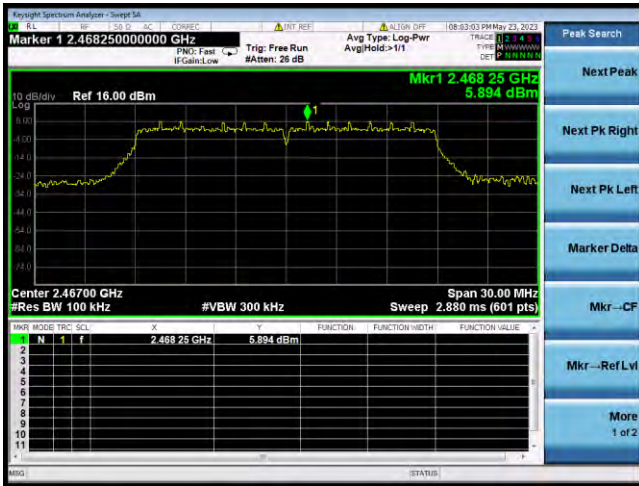
802.11n-20 MHz CHANNEL 11, CARRIER LEVEL



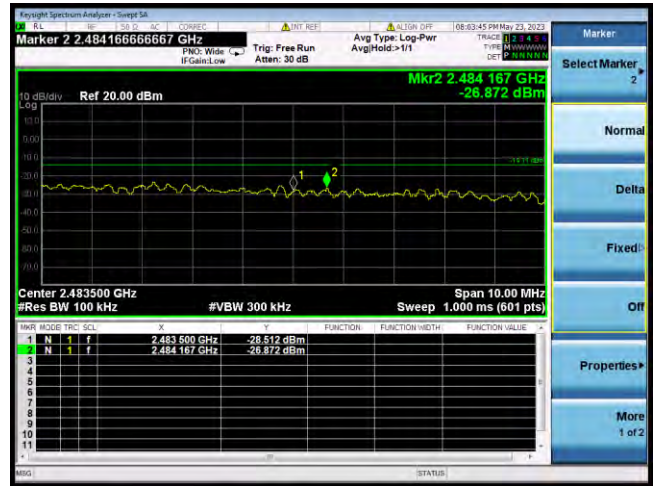
802.11n-20 MHz CHANNEL 11, BAND EDGE



802.11n-20 MHz CHANNEL 12, CARRIER LEVEL



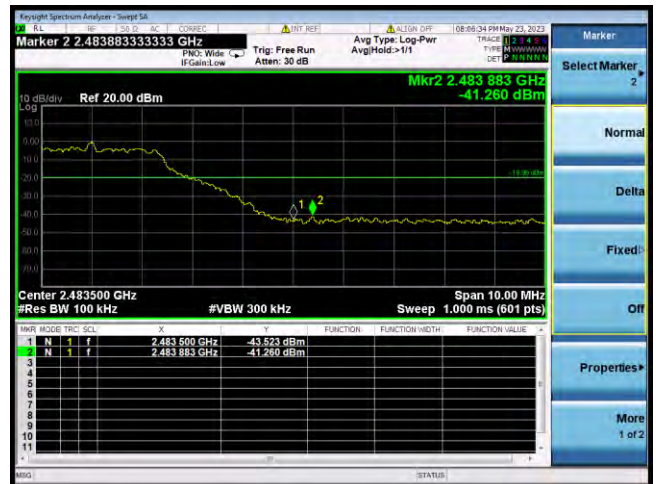
802.11n-20 MHz CHANNEL 12, BAND EDGE



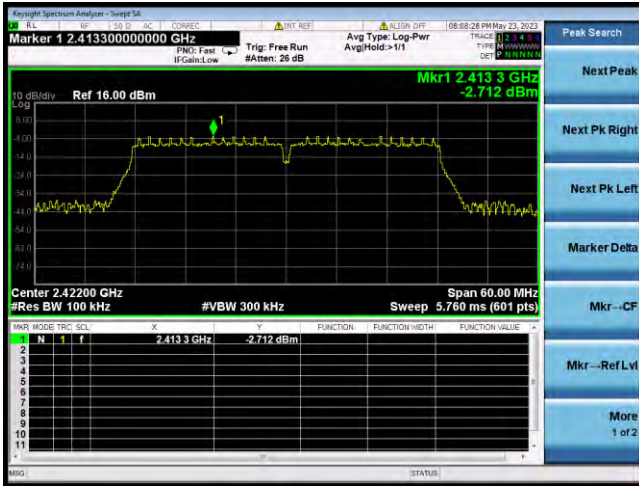
802.11n-20 MHz CHANNEL 13, CARRIER LEVEL



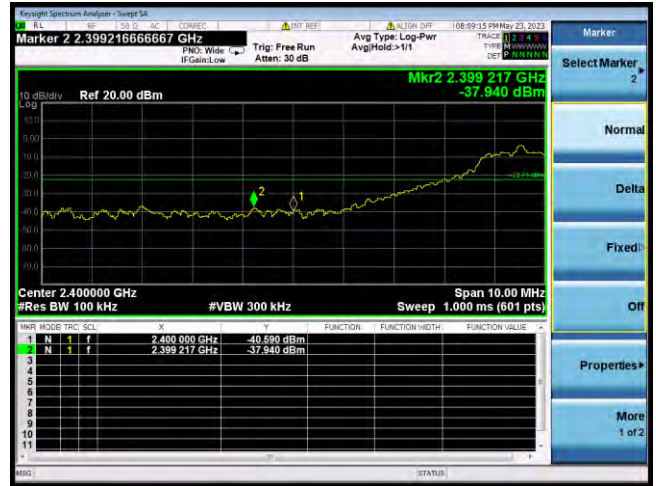
802.11n-20 MHz CHANNEL 13, BAND EDGE



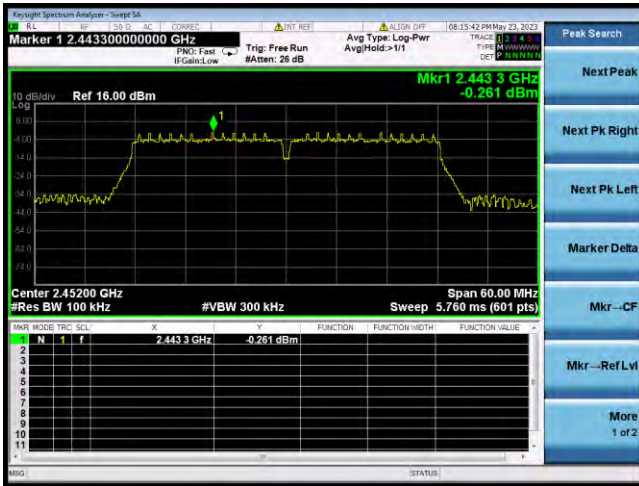
802.11n-40 MHz CHANNEL 3, CARRIER LEVEL



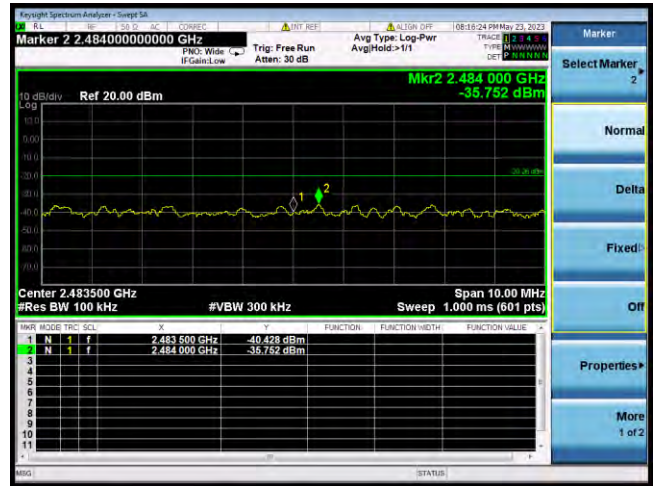
802.11n-40 MHz CHANNEL 3, BAND EDGE



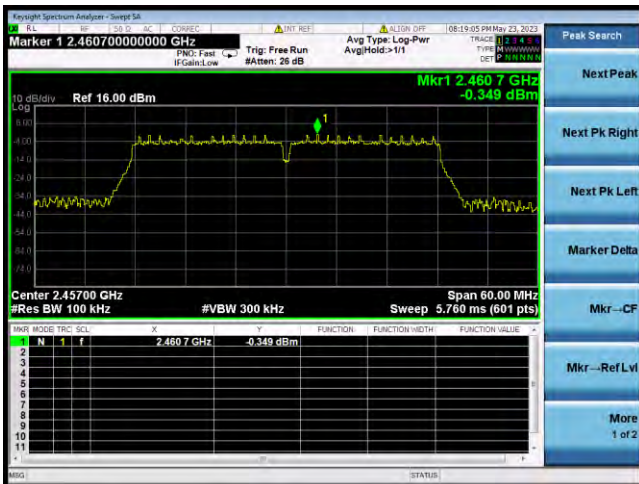
802.11n-40 MHz CHANNEL 9, CARRIER LEVEL



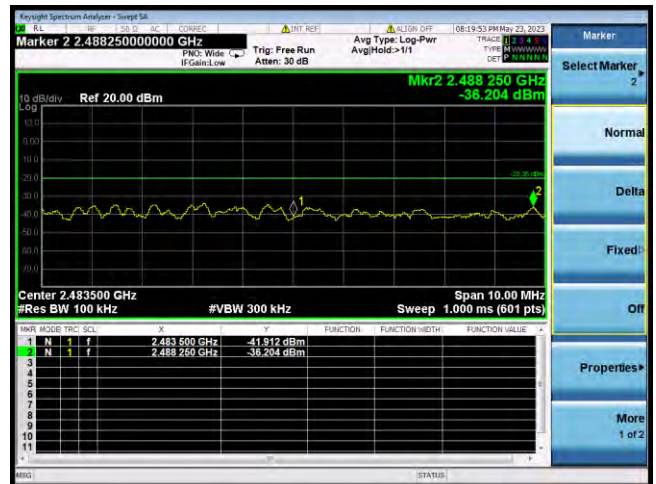
802.11n-40 MHz CHANNEL 9, BAND EDGE



802.11n-40 MHz CHANNEL 10, CARRIER LEVEL



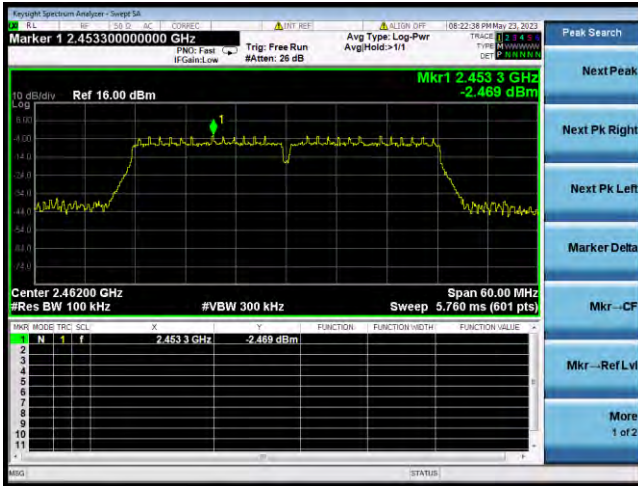
802.11n-40 MHz CHANNEL 10, BAND EDGE





802.11n-40 MHz CHANNEL 11, CARRIER LEVEL

802.11n-40 MHz CHANNEL 11, BAND EDGE





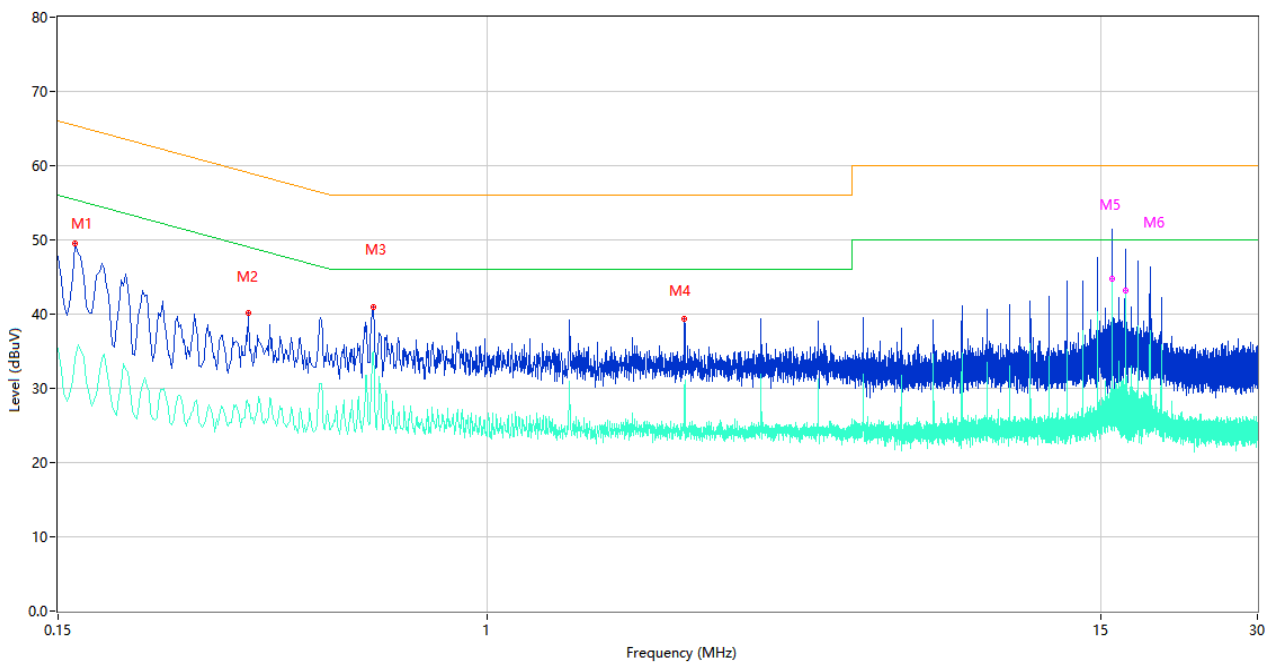
## A.5 Conducted Emissions

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.

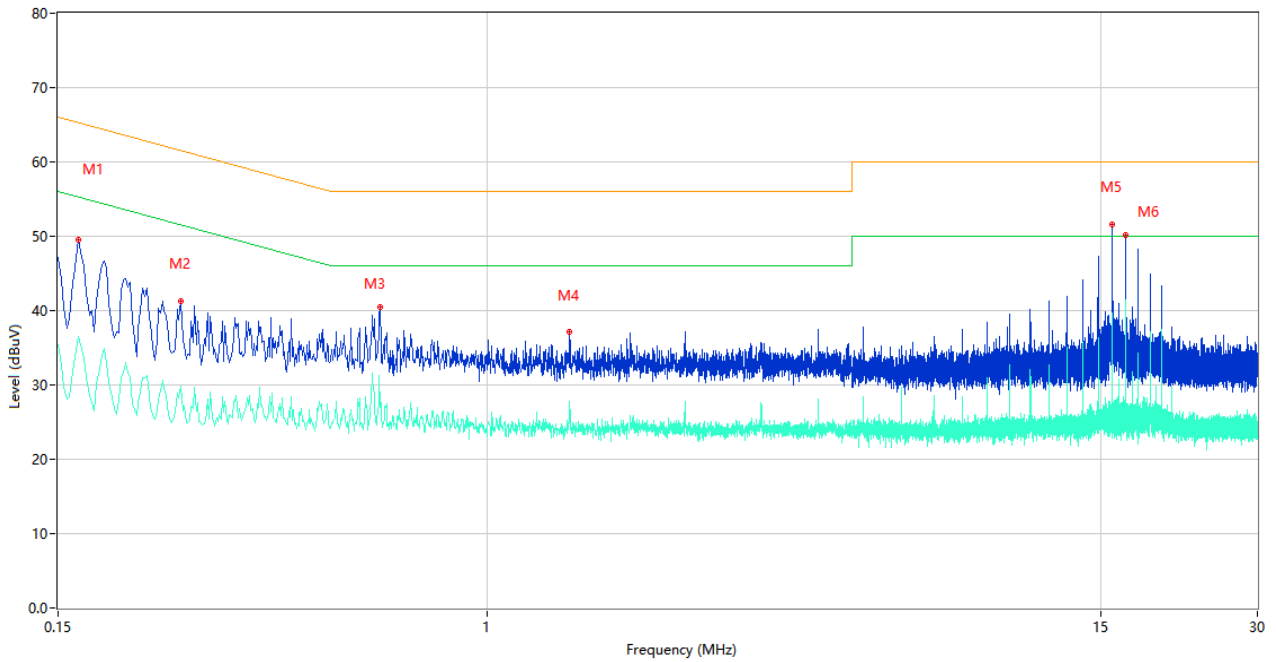
### Test Data and Plots

#### PHASE L



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.162	49.51	10.08	65.36	15.85	Peak	L	Pass
1**	0.162	34.00	10.08	55.36	21.36	AV	L	Pass
2	0.348	40.14	10.93	59.01	18.87	Peak	L	Pass
2**	0.348	27.66	10.93	49.01	21.35	AV	L	Pass
3	0.604	40.87	10.34	56.00	15.13	Peak	L	Pass
3**	0.604	34.97	10.34	46.00	11.03	AV	L	Pass
4	2.390	39.39	10.34	56.00	16.61	Peak	L	Pass
4**	2.390	30.06	10.34	46.00	15.94	AV	L	Pass
5	15.790	51.49	10.41	60.00	8.51	Peak	L	Pass
5**	15.790	44.71	10.41	50.00	5.29	AV	L	Pass
6	16.746	48.78	10.37	60.00	11.22	Peak	L	Pass
6**	16.746	43.16	10.37	50.00	6.84	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	49.47	10.08	65.26	15.79	Peak	N	Pass
1**	0.164	36.46	10.08	55.26	18.80	AV	N	Pass
2	0.258	41.28	10.01	61.50	20.22	Peak	N	Pass
2**	0.258	29.90	10.01	51.50	21.60	AV	N	Pass
3	0.622	40.43	10.35	56.00	15.57	Peak	N	Pass
3**	0.622	27.03	10.35	46.00	18.97	AV	N	Pass
4	1.438	37.13	10.09	56.00	18.87	Peak	N	Pass
4**	1.438	27.72	10.09	46.00	18.28	AV	N	Pass
5	15.802	51.59	10.35	60.00	8.41	Peak	N	Pass
5**	15.802	34.85	10.35	50.00	15.15	AV	N	Pass
6	16.760	50.12	10.32	60.00	9.88	Peak	N	Pass
6**	16.760	41.37	10.32	50.00	8.63	AV	N	Pass



## A.6 Radiated Emission

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

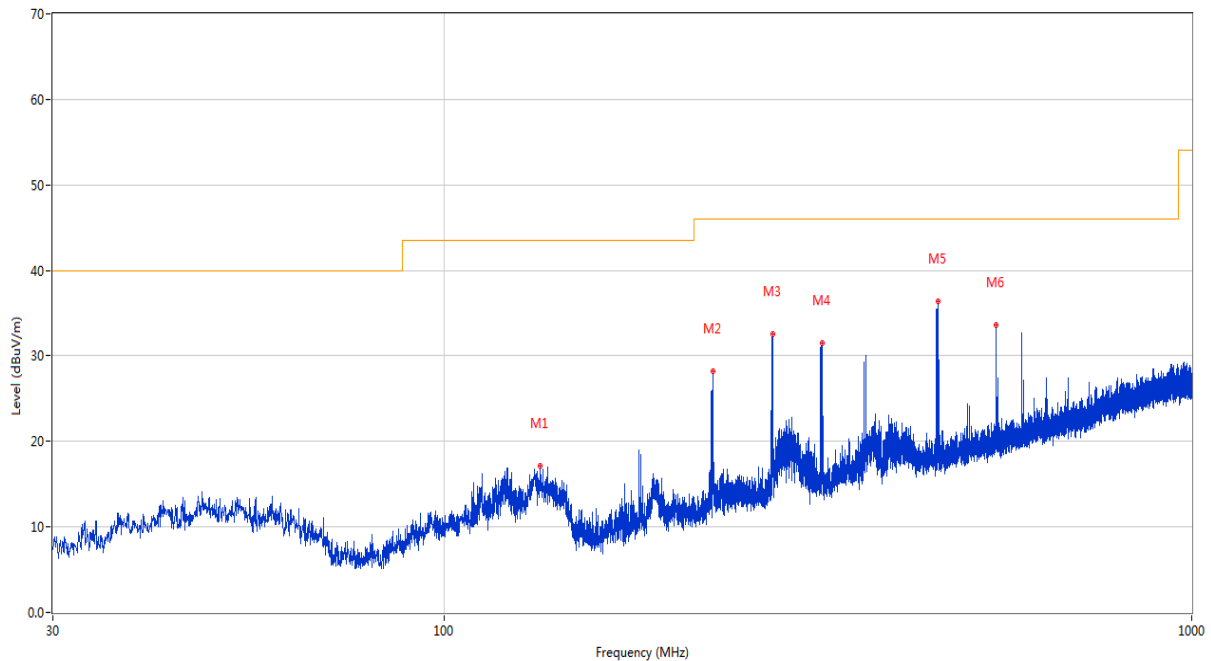
Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

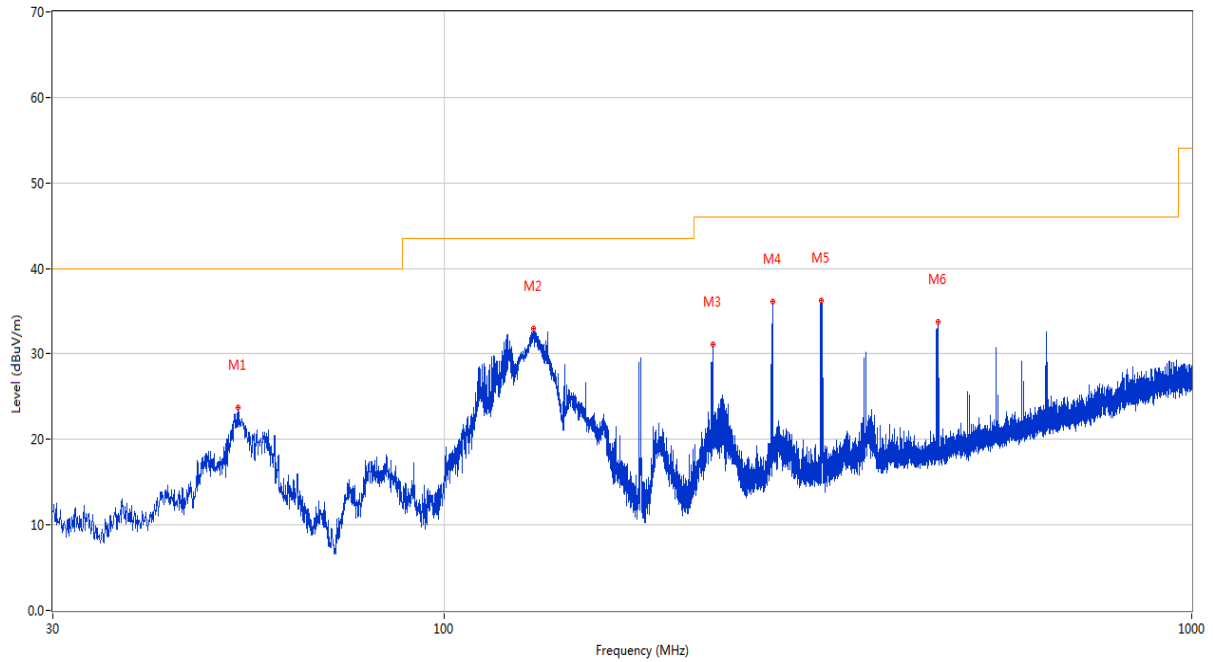
### Test Data and Plots

#### 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	134.614	17.14	-27.37	43.5	26.36	Peak	187.10	100	Horizontal	Pass
2	229.190	28.21	-23.54	46.0	17.79	Peak	1.00	100	Horizontal	Pass
3	274.974	32.58	-22.34	46.0	13.42	Peak	96.80	100	Horizontal	Pass
4	320.854	31.55	-21.14	46.0	14.45	Peak	141.60	100	Horizontal	Pass
5	458.352	36.40	-17.83	46.0	9.60	Peak	143.80	100	Horizontal	Pass
6	547.204	33.57	-15.28	46.0	12.43	Peak	178.80	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	53.086	23.76	-22.99	40.0	16.24	Peak	208.80	100	Vertical	Pass
2	131.753	32.92	-27.24	43.5	10.58	Peak	32.00	100	Vertical	Pass
3	229.190	31.17	-23.54	46.0	14.83	Peak	338.70	100	Vertical	Pass
4	275.022	36.07	-22.33	46.0	9.93	Peak	71.70	100	Vertical	Pass
5	319.206	36.22	-21.24	46.0	9.78	Peak	129.00	100	Vertical	Pass
6	458.352	33.78	-17.83	46.0	12.22	Peak	39.80	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 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1099.600	38.95	-18.66	74.0	35.05	Peak	287.00	200	Horizontal	Pass
1**	1099.600	32.67	-18.66	54.0	21.33	AV	287.00	200	Horizontal	Pass
2	2412.000	101.23	-12.52	74.0	-27.23	Peak	86.00	100	Horizontal	N/A
2**	2412.000	97.35	-12.52	54.0	-43.35	AV	86.00	100	Horizontal	N/A
3	4824.200	54.89	-3.42	74.0	19.11	Peak	120.00	150	Horizontal	Pass
3**	4824.200	51.96	-3.42	54.0	2.04	AV	120.00	150	Horizontal	Pass
4	6605.400	54.86	1.25	74.0	19.14	Peak	243.00	200	Horizontal	Pass
4**	6605.400	46.16	1.25	54.0	7.84	AV	243.00	200	Horizontal	Pass
5	12732.750	53.09	1.30	74.0	20.91	Peak	348.00	400	Horizontal	Pass
5**	12732.750	43.63	1.30	54.0	10.37	AV	348.00	400	Horizontal	Pass
6	17188.614	54.34	2.39	74.0	19.66	Peak	203.00	400	Horizontal	Pass
6**	17188.614	46.24	2.39	54.0	7.76	AV	203.00	400	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	1327.500	43.21	-17.60	74.0	30.79	Peak	85.00	100	Vertical	Pass
1**	1327.500	31.46	-17.60	54.0	22.54	AV	85.00	100	Vertical	Pass
2	2413.100	102.18	-12.52	74.0	-28.18	Peak	85.00	100	Vertical	N/A
2**	2413.100	99.24	-12.52	54.0	-45.24	AV	85.00	100	Vertical	N/A
3	4824.000	50.88	-3.41	74.0	23.12	Peak	358.00	150	Vertical	Pass
3**	4824.000	47.11	-3.41	54.0	6.89	AV	358.00	150	Vertical	Pass
4	6604.800	54.63	1.15	74.0	19.37	Peak	296.00	300	Vertical	Pass
4**	6604.800	45.97	1.15	54.0	8.03	AV	296.00	300	Vertical	Pass
5	12733.038	52.69	1.30	74.0	21.31	Peak	90.00	200	Vertical	Pass
5**	12733.038	43.88	1.30	54.0	10.12	AV	90.00	200	Vertical	Pass
6	17181.000	53.57	2.65	74.0	20.43	Peak	360.00	300	Vertical	Pass
6**	17181.000	46.15	2.65	54.0	7.85	AV	360.00	300	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	1412.200	39.11	-17.46	74.0	34.89	Peak	285.00	300	Horizontal	Pass
1**	1412.200	28.78	-17.46	54.0	25.22	AV	285.00	300	Horizontal	Pass
2	2438.200	100.65	-12.45	74.0	-26.65	Peak	96.00	200	Horizontal	N/A
2**	2438.200	97.79	-12.45	54.0	-43.79	AV	96.00	200	Horizontal	N/A
3	4874.400	52.58	-3.27	74.0	21.42	Peak	106.00	150	Horizontal	Pass
3**	4874.400	51.17	-3.27	54.0	2.83	AV	106.00	150	Horizontal	Pass
4	6603.400	55.00	0.91	74.0	19.00	Peak	147.00	400	Horizontal	Pass
4**	6603.400	45.51	0.91	54.0	8.49	AV	147.00	400	Horizontal	Pass
5	12744.825	53.25	1.24	74.0	20.75	Peak	14.00	300	Horizontal	Pass
5**	12744.825	43.19	1.24	54.0	10.81	AV	14.00	300	Horizontal	Pass
6	17173.913	53.96	2.47	74.0	20.04	Peak	160.00	200	Horizontal	Pass
6**	17173.913	46.03	2.47	54.0	7.97	AV	160.00	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	1328.800	41.90	-17.65	74.0	32.10	Peak	141.00	400	Vertical	Pass
1**	1328.800	32.03	-17.65	54.0	21.97	AV	141.00	400	Vertical	Pass
2	2437.000	100.92	-12.48	74.0	-26.92	Peak	89.00	150	Vertical	N/A
2**	2437.000	96.40	-12.48	54.0	-42.40	AV	89.00	150	Vertical	N/A
3	4874.200	52.08	-3.28	74.0	21.92	Peak	54.00	150	Vertical	Pass
3**	4874.200	46.44	-3.28	54.0	7.56	AV	54.00	150	Vertical	Pass
4	6617.400	54.82	0.71	74.0	19.18	Peak	75.00	400	Vertical	Pass
4**	6617.400	45.14	0.71	54.0	8.86	AV	75.00	400	Vertical	Pass
5	12475.725	52.82	1.61	74.0	21.18	Peak	314.00	300	Vertical	Pass
5**	12475.725	42.34	1.61	54.0	11.66	AV	314.00	300	Vertical	Pass
6	17176.012	53.88	2.53	74.0	20.12	Peak	360.00	200	Vertical	Pass
6**	17176.012	46.58	2.53	54.0	7.42	AV	360.00	200	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	1366.500	39.13	-17.40	74.0	34.87	Peak	127.00	200	Horizontal	Pass
1**	1366.500	29.97	-17.40	54.0	24.03	AV	127.00	200	Horizontal	Pass
2	2463.200	100.43	-12.50	74.0	-26.43	Peak	151.00	150	Horizontal	N/A
2**	2463.200	97.53	-12.50	54.0	-43.53	AV	151.00	150	Horizontal	N/A
3	4924.200	53.55	-2.35	74.0	20.45	Peak	103.00	150	Horizontal	Pass
3**	4924.200	51.43	-2.35	54.0	2.57	AV	103.00	150	Horizontal	Pass
4	6616.000	54.51	0.84	74.0	19.49	Peak	218.00	100	Horizontal	Pass
4**	6616.000	44.77	0.84	54.0	9.23	AV	218.00	100	Horizontal	Pass
5	12739.075	53.89	1.30	74.0	20.11	Peak	273.00	100	Horizontal	Pass
5**	12739.075	44.14	1.30	54.0	9.86	AV	273.00	100	Horizontal	Pass
6	17176.275	53.86	2.54	74.0	20.14	Peak	360.00	400	Horizontal	Pass
6**	17176.275	45.96	2.54	54.0	8.04	AV	360.00	400	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	1331.800	42.08	-17.50	74.0	31.92	Peak	330.00	100	Vertical	Pass
1**	1331.800	35.16	-17.50	54.0	18.84	AV	330.00	100	Vertical	Pass
2	2463.200	100.60	-12.50	74.0	-26.60	Peak	95.00	200	Vertical	N/A
2**	2463.200	97.60	-12.50	54.0	-43.60	AV	95.00	200	Vertical	N/A
3	4924.000	50.91	-2.34	74.0	23.09	Peak	29.00	150	Vertical	Pass
3**	4924.000	47.16	-2.34	54.0	6.84	AV	29.00	150	Vertical	Pass
4	6609.200	54.62	1.58	74.0	19.38	Peak	29.00	400	Vertical	Pass
4**	6609.200	45.92	1.58	54.0	8.08	AV	29.00	400	Vertical	Pass
5	12335.713	52.80	1.34	74.0	21.20	Peak	239.00	400	Vertical	Pass
5**	12335.713	43.15	1.34	54.0	10.85	AV	239.00	400	Vertical	Pass
6	17288.886	53.72	1.68	74.0	20.28	Peak	326.00	100	Vertical	Pass
6**	17288.886	46.08	1.68	54.0	7.92	AV	326.00	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	1543.400	39.43	-17.31	74.0	34.57	Peak	309.00	400	Horizontal	Pass
1**	1543.400	29.94	-17.31	54.0	24.06	AV	309.00	400	Horizontal	Pass
2	2465.700	100.26	-12.45	74.0	-26.26	Peak	152.00	100	Horizontal	N/A
2**	2465.700	97.35	-12.45	54.0	-43.35	AV	152.00	100	Horizontal	N/A
3	4934.200	53.59	-2.90	74.0	20.41	Peak	104.00	150	Horizontal	Pass
3**	4934.200	51.73	-2.90	54.0	2.27	AV	104.00	150	Horizontal	Pass
4	6603.000	54.19	0.84	74.0	19.81	Peak	217.00	200	Horizontal	Pass
4**	6603.000	45.61	0.84	54.0	8.39	AV	217.00	200	Horizontal	Pass
5	12288.850	53.13	1.69	74.0	20.87	Peak	219.00	300	Horizontal	Pass
5**	12288.850	43.99	1.69	54.0	10.01	AV	219.00	300	Horizontal	Pass
6	17284.162	53.73	1.68	74.0	20.27	Peak	200.00	300	Horizontal	Pass
6**	17284.162	44.95	1.68	54.0	9.05	AV	200.00	300	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	1331.700	41.93	-17.50	74.0	32.07	Peak	83.00	200	Vertical	Pass
1**	1331.700	33.95	-17.50	54.0	20.05	AV	83.00	200	Vertical	Pass
2	2465.800	100.50	-12.45	74.0	-26.50	Peak	89.00	200	Vertical	N/A
2**	2465.800	97.57	-12.45	54.0	-43.57	AV	89.00	200	Vertical	N/A
3	4934.000	52.09	-2.89	74.0	21.91	Peak	61.00	150	Vertical	Pass
3**	4934.000	48.30	-2.89	54.0	5.70	AV	61.00	150	Vertical	Pass
4	6602.200	55.15	0.70	74.0	18.85	Peak	240.00	150	Vertical	Pass
4**	6602.200	45.48	0.70	54.0	8.52	AV	240.00	150	Vertical	Pass
5	12292.300	52.69	1.62	74.0	21.31	Peak	13.00	200	Vertical	Pass
5**	12292.300	43.64	1.62	54.0	10.36	AV	13.00	200	Vertical	Pass
6	17200.163	53.33	1.88	74.0	20.67	Peak	158.00	400	Vertical	Pass
6**	17200.163	45.08	1.88	54.0	8.92	AV	158.00	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	1000.100	40.07	-18.20	74.0	33.93	Peak	79.00	400	Horizontal	Pass
1**	1000.100	27.87	-18.20	54.0	26.13	AV	79.00	400	Horizontal	Pass
2	2472.000	99.67	-12.35	74.0	-25.67	Peak	154.00	100	Horizontal	N/A
2**	2472.000	95.88	-12.35	54.0	-41.88	AV	154.00	100	Horizontal	N/A
3	4944.400	52.83	-2.93	74.0	21.17	Peak	106.00	150	Horizontal	Pass
3**	4944.400	51.01	-2.93	54.0	2.99	AV	106.00	150	Horizontal	Pass
4	6604.600	54.47	1.12	74.0	19.53	Peak	1.00	200	Horizontal	Pass
4**	6604.600	46.79	1.12	54.0	7.21	AV	1.00	200	Horizontal	Pass
5	12254.349	53.03	0.98	74.0	20.97	Peak	264.00	400	Horizontal	Pass
5**	12254.349	44.19	0.98	54.0	9.81	AV	264.00	400	Horizontal	Pass
6	17174.176	53.72	2.48	74.0	20.28	Peak	199.00	300	Horizontal	Pass
6**	17174.176	45.68	2.48	54.0	8.32	AV	199.00	300	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	1327.900	41.67	-17.65	74.0	32.33	Peak	93.00	400	Vertical	Pass
1**	1327.900	31.01	-17.65	54.0	22.99	AV	93.00	400	Vertical	Pass
2	2473.100	100.14	-12.25	74.0	-26.14	Peak	93.00	100	Vertical	N/A
2**	2473.100	97.12	-12.25	54.0	-43.12	AV	93.00	100	Vertical	N/A
3	4944.200	50.82	-2.93	74.0	23.18	Peak	86.00	150	Vertical	Pass
3**	4944.200	47.52	-2.93	54.0	6.48	AV	86.00	150	Vertical	Pass
4	6739.200	54.33	0.62	74.0	19.67	Peak	353.00	400	Vertical	Pass
4**	6739.200	45.08	0.62	54.0	8.92	AV	353.00	400	Vertical	Pass
5	12461.638	52.95	1.78	74.0	21.05	Peak	347.00	100	Vertical	Pass
5**	12461.638	43.06	1.78	54.0	10.94	AV	347.00	100	Vertical	Pass
6	17182.575	53.89	2.60	74.0	20.11	Peak	360.00	300	Vertical	Pass
6**	17182.575	45.81	2.60	54.0	8.19	AV	360.00	300	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	1099.600	40.29	-18.66	74.0	33.71	Peak	346.00	300	Horizontal	Pass
1**	1099.600	32.78	-18.66	54.0	21.22	AV	346.00	300	Horizontal	Pass
2	2406.600	106.53	-12.40	74.0	-32.53	Peak	190.00	200	Horizontal	N/A
2**	2406.600	98.53	-12.40	54.0	-44.53	AV	190.00	200	Horizontal	N/A
3	4827.400	54.66	-3.40	74.0	19.34	Peak	94.00	150	Horizontal	Pass
3**	4827.400	50.21	-3.40	54.0	3.79	AV	94.00	150	Horizontal	Pass
4	6744.000	54.75	0.88	74.0	19.25	Peak	336.00	100	Horizontal	Pass
4**	6744.000	45.00	0.88	54.0	9.00	AV	336.00	100	Horizontal	Pass
5	12315.875	53.53	1.41	74.0	20.47	Peak	0.00	300	Horizontal	Pass
5**	12315.875	43.91	1.41	54.0	10.09	AV	0.00	300	Horizontal	Pass
6	17187.301	53.92	2.44	74.0	20.08	Peak	0.00	400	Horizontal	Pass
6**	17187.301	46.74	2.44	54.0	7.26	AV	0.00	400	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	1329.900	41.30	-17.54	74.0	32.70	Peak	316.00	100	Vertical	Pass
1**	1329.900	34.63	-17.54	54.0	19.37	AV	316.00	100	Vertical	Pass
2	2417.500	106.56	-12.35	74.0	-32.56	Peak	77.00	150	Vertical	N/A
2**	2417.500	98.60	-12.35	54.0	-44.60	AV	77.00	150	Vertical	N/A
3	4823.800	51.05	-3.40	74.0	22.95	Peak	89.00	150	Vertical	Pass
3**	4823.800	46.70	-3.40	54.0	7.30	AV	89.00	150	Vertical	Pass
4	6618.600	54.50	0.66	74.0	19.50	Peak	355.00	300	Vertical	Pass
4**	6618.600	44.55	0.66	54.0	9.45	AV	355.00	300	Vertical	Pass
5	12277.063	53.20	1.69	74.0	20.80	Peak	63.00	400	Vertical	Pass
5**	12277.063	43.63	1.69	54.0	10.37	AV	63.00	400	Vertical	Pass
6	17183.625	53.81	2.57	74.0	20.19	Peak	127.00	400	Vertical	Pass
6**	17183.625	46.81	2.57	54.0	7.19	AV	127.00	400	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	1279.800	39.11	-17.53	74.0	34.89	Peak	261.00	400	Horizontal	Pass
1**	1279.800	28.53	-17.53	54.0	25.47	AV	261.00	400	Horizontal	Pass
2	2431.600	105.63	-12.72	74.0	-31.63	Peak	90.00	200	Horizontal	N/A
2**	2431.600	97.96	-12.72	54.0	-43.96	AV	90.00	200	Horizontal	N/A
3	4875.200	57.88	-3.29	74.0	16.12	Peak	114.00	150	Horizontal	Pass
3**	4875.200	51.22	-3.29	54.0	2.78	AV	114.00	150	Horizontal	Pass
4	6602.800	55.38	0.81	74.0	18.62	Peak	266.00	100	Horizontal	Pass
4**	6602.800	45.83	0.81	54.0	8.17	AV	266.00	100	Horizontal	Pass
5	12317.312	53.34	1.41	74.0	20.66	Peak	330.00	200	Horizontal	Pass
5**	12317.312	43.29	1.41	54.0	10.71	AV	330.00	200	Horizontal	Pass
6	17414.363	53.90	3.61	74.0	20.10	Peak	254.00	300	Horizontal	Pass
6**	17414.363	45.89	3.61	54.0	8.11	AV	254.00	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	1331.000	41.15	-17.48	74.0	32.85	Peak	144.00	300	Vertical	Pass
1**	1331.000	30.19	-17.48	54.0	23.81	AV	144.00	300	Vertical	Pass
2	2432.500	106.18	-12.70	74.0	-32.18	Peak	86.00	100	Vertical	N/A
2**	2432.500	98.57	-12.70	54.0	-44.57	AV	86.00	100	Vertical	N/A
3	4871.600	52.45	-3.26	74.0	21.55	Peak	59.00	150	Vertical	Pass
3**	4871.600	47.63	-3.26	54.0	6.37	AV	59.00	150	Vertical	Pass
4	6606.600	54.60	1.45	74.0	19.40	Peak	325.00	100	Vertical	Pass
4**	6606.600	46.07	1.45	54.0	7.93	AV	325.00	100	Vertical	Pass
5	12252.625	53.17	0.97	74.0	20.83	Peak	17.00	100	Vertical	Pass
5**	12252.625	43.44	0.97	54.0	10.56	AV	17.00	100	Vertical	Pass
6	17417.511	53.99	3.70	74.0	20.01	Peak	226.00	300	Vertical	Pass
6**	17417.511	45.76	3.70	54.0	8.24	AV	226.00	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	1100.200	40.30	-18.69	74.0	33.70	Peak	339.00	200	Horizontal	Pass
1**	1100.200	33.44	-18.69	54.0	20.56	AV	339.00	200	Horizontal	Pass
2	2467.100	106.41	-12.50	74.0	-32.41	Peak	81.00	150	Horizontal	N/A
2**	2467.100	98.66	-12.50	54.0	-44.66	AV	81.00	150	Horizontal	N/A
3	4922.400	55.79	-2.32	74.0	18.21	Peak	90.00	150	Horizontal	Pass
3**	4922.400	51.39	-2.32	54.0	2.61	AV	90.00	150	Horizontal	Pass
4	6994.600	54.17	0.32	74.0	19.83	Peak	244.00	100	Horizontal	Pass
4**	6994.600	43.92	0.32	54.0	10.08	AV	244.00	100	Horizontal	Pass
5	12741.088	53.70	1.28	74.0	20.30	Peak	0.00	200	Horizontal	Pass
5**	12741.088	44.56	1.28	54.0	9.44	AV	0.00	200	Horizontal	Pass
6	17198.324	53.75	1.99	74.0	20.25	Peak	222.00	300	Horizontal	Pass
6**	17198.324	44.84	1.99	54.0	9.16	AV	222.00	300	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	1330.600	40.94	-17.48	74.0	33.06	Peak	311.00	400	Vertical	Pass
1**	1330.600	29.36	-17.48	54.0	24.64	AV	311.00	400	Vertical	Pass
2	2457.500	105.93	-12.49	74.0	-31.93	Peak	79.00	150	Vertical	N/A
2**	2457.500	98.51	-12.49	54.0	-44.51	AV	79.00	150	Vertical	N/A
3	4926.200	52.41	-2.40	74.0	21.59	Peak	85.00	150	Vertical	Pass
3**	4926.200	47.64	-2.40	54.0	6.36	AV	85.00	150	Vertical	Pass
4	6607.200	54.78	1.50	74.0	19.22	Peak	360.00	400	Vertical	Pass
4**	6607.200	45.89	1.50	54.0	8.11	AV	360.00	400	Vertical	Pass
5	12615.162	53.81	1.87	74.0	20.19	Peak	218.00	300	Vertical	Pass
5**	12615.162	44.34	1.87	54.0	9.66	AV	218.00	300	Vertical	Pass
6	17461.875	53.89	2.86	74.0	20.11	Peak	34.00	200	Vertical	Pass
6**	17461.875	44.53	2.86	54.0	9.47	AV	34.00	200	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	1000.300	42.62	-18.20	74.0	31.38	Peak	91.00	300	Horizontal	Pass
1**	1000.300	27.38	-18.20	54.0	26.62	AV	91.00	300	Horizontal	Pass
2	2461.800	105.59	-12.53	74.0	-31.59	Peak	156.00	150	Horizontal	N/A
2**	2461.800	97.56	-12.53	54.0	-43.56	AV	156.00	150	Horizontal	N/A
3	4933.400	55.90	-2.85	74.0	18.10	Peak	108.00	150	Horizontal	Pass
3**	4933.400	51.89	-2.85	54.0	2.11	AV	108.00	150	Horizontal	Pass
4	6602.800	54.76	0.81	74.0	19.24	Peak	221.00	300	Horizontal	Pass
4**	6602.800	45.38	0.81	54.0	8.62	AV	221.00	300	Horizontal	Pass
5	12631.262	52.80	1.39	74.0	21.20	Peak	176.00	200	Horizontal	Pass
5**	12631.262	42.71	1.39	54.0	11.29	AV	176.00	200	Horizontal	Pass
6	17287.574	53.47	1.68	74.0	20.53	Peak	251.00	100	Horizontal	Pass
6**	17287.574	45.57	1.68	54.0	8.43	AV	251.00	100	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	1330.400	44.02	-17.48	74.0	29.98	Peak	99.00	300	Vertical	Pass
1**	1330.400	37.78	-17.48	54.0	16.22	AV	99.00	300	Vertical	Pass
2	2472.200	105.53	-12.33	74.0	-31.53	Peak	93.00	200	Vertical	N/A
2**	2472.200	97.33	-12.33	54.0	-43.33	AV	93.00	200	Vertical	N/A
3	4934.200	52.45	-2.90	74.0	21.55	Peak	74.00	150	Vertical	Pass
3**	4934.200	47.87	-2.90	54.0	6.13	AV	74.00	150	Vertical	Pass
4	6612.400	54.39	1.39	74.0	19.61	Peak	208.00	300	Vertical	Pass
4**	6612.400	45.31	1.39	54.0	8.69	AV	208.00	300	Vertical	Pass
5	12215.537	52.65	1.19	74.0	21.35	Peak	188.00	200	Vertical	Pass
5**	12215.537	43.11	1.19	54.0	10.89	AV	188.00	200	Vertical	Pass
6	17256.600	52.96	1.51	74.0	21.04	Peak	11.00	400	Vertical	Pass
6**	17256.600	44.01	1.51	54.0	9.99	AV	11.00	400	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	1330.400	44.02	-17.48	74.0	29.98	Peak	99.00	300	Horizontal	Pass
1**	1330.400	37.78	-17.48	54.0	16.22	AV	99.00	300	Horizontal	Pass
2	2472.200	105.53	-12.33	74.0	-31.53	Peak	93.00	200	Horizontal	N/A
2**	2472.200	97.33	-12.33	54.0	-43.33	AV	93.00	200	Horizontal	N/A
3	4934.200	52.45	-2.90	74.0	21.55	Peak	74.00	150	Horizontal	Pass
3**	4934.200	47.87	-2.90	54.0	6.13	AV	74.00	150	Horizontal	Pass
4	6612.400	54.39	1.39	74.0	19.61	Peak	208.00	300	Horizontal	Pass
4**	6612.400	45.31	1.39	54.0	8.69	AV	208.00	300	Horizontal	Pass
5	12215.537	52.65	1.19	74.0	21.35	Peak	188.00	200	Horizontal	Pass
5**	12215.537	43.11	1.19	54.0	10.89	AV	188.00	200	Horizontal	Pass
6	17256.600	52.96	1.51	74.0	21.04	Peak	11.00	400	Horizontal	Pass
6**	17256.600	44.01	1.51	54.0	9.99	AV	11.00	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	1330.700	41.59	-17.48	74.0	32.41	Peak	82.00	100	Vertical	Pass
1**	1330.700	29.33	-17.48	54.0	24.67	AV	82.00	100	Vertical	Pass
2	2465.600	105.69	-12.45	74.0	-31.69	Peak	82.00	150	Vertical	N/A
2**	2465.600	98.44	-12.45	54.0	-44.44	AV	82.00	150	Vertical	N/A
3	4942.600	53.82	-2.95	74.0	20.18	Peak	76.00	150	Vertical	Pass
3**	4942.600	49.18	-2.95	54.0	4.82	AV	76.00	150	Vertical	Pass
4	6674.800	55.04	0.22	74.0	18.96	Peak	130.00	400	Vertical	Pass
4**	6674.800	44.63	0.22	54.0	9.37	AV	130.00	400	Vertical	Pass
5	11505.700	54.07	-0.10	74.0	19.93	Peak	51.00	100	Vertical	Pass
5**	11505.700	43.20	-0.10	54.0	10.80	AV	51.00	100	Vertical	Pass
6	17271.824	54.32	1.56	74.0	19.68	Peak	266.00	300	Vertical	Pass
6**	17271.824	46.02	1.56	54.0	7.98	AV	266.00	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	1328.300	40.67	-17.69	74.0	33.33	Peak	126.00	200	Horizontal	Pass
1**	1328.300	34.57	-17.69	54.0	19.43	AV	126.00	200	Horizontal	Pass
2	2416.600	105.85	-12.30	74.0	-31.85	Peak	82.00	150	Horizontal	N/A
2**	2416.600	99.09	-12.30	54.0	-45.09	AV	82.00	150	Horizontal	N/A
3	4821.200	52.62	-3.31	74.0	21.38	Peak	97.00	150	Horizontal	Pass
3**	4821.200	49.80	-3.31	54.0	4.20	AV	97.00	150	Horizontal	Pass
4	9648.451	49.81	-0.15	74.0	24.19	Peak	84.00	150	Horizontal	Pass
4**	9648.451	45.87	-0.15	54.0	8.13	AV	84.00	150	Horizontal	Pass
5	12278.213	53.35	1.74	74.0	20.65	Peak	0.00	300	Horizontal	Pass
5**	12278.213	42.98	1.74	54.0	11.02	AV	0.00	300	Horizontal	Pass
6	17411.213	54.88	3.49	74.0	19.12	Peak	360.00	100	Horizontal	Pass
6**	17411.213	46.61	3.49	54.0	7.39	AV	360.00	100	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	1161.400	41.01	-17.98	74.0	32.99	Peak	5.00	400	Vertical	Pass
1**	1161.400	27.99	-17.98	54.0	26.01	AV	5.00	400	Vertical	Pass
2	2404.600	106.05	-12.27	74.0	-32.05	Peak	73.00	100	Vertical	N/A
2**	2404.600	98.35	-12.27	54.0	-44.35	AV	73.00	100	Vertical	N/A
3	4826.000	52.17	-3.50	74.0	21.83	Peak	97.00	150	Vertical	Pass
3**	4826.000	47.57	-3.50	54.0	6.43	AV	97.00	150	Vertical	Pass
4	6404.800	54.85	0.26	74.0	19.15	Peak	156.00	300	Vertical	Pass
4**	6404.800	45.11	0.26	54.0	8.89	AV	156.00	300	Vertical	Pass
5	11635.075	52.92	-0.21	74.0	21.08	Peak	330.00	300	Vertical	Pass
5**	11635.075	42.71	-0.21	54.0	11.29	AV	330.00	300	Vertical	Pass
6	17183.887	54.01	2.56	74.0	19.99	Peak	115.00	100	Vertical	Pass
6**	17183.887	46.03	2.56	54.0	7.97	AV	115.00	100	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	1099.300	40.84	-18.65	74.0	33.16	Peak	337.00	100	Horizontal	Pass
1**	1099.300	31.44	-18.65	54.0	22.56	AV	337.00	100	Horizontal	Pass
2	2435.900	106.38	-12.52	74.0	-32.38	Peak	82.00	200	Horizontal	N/A
2**	2435.900	97.72	-12.52	54.0	-43.72	AV	82.00	200	Horizontal	N/A
3	4875.000	55.96	-3.26	74.0	18.04	Peak	95.00	150	Horizontal	Pass
3**	4875.000	50.35	-3.26	54.0	3.65	AV	95.00	150	Horizontal	Pass
4	9748.213	50.84	-0.46	74.0	23.16	Peak	98.00	150	Horizontal	Pass
4**	9748.213	46.94	-0.46	54.0	7.06	AV	98.00	150	Horizontal	Pass
5	12606.250	52.95	1.91	74.0	21.05	Peak	115.00	100	Horizontal	Pass
5**	12606.250	43.94	1.91	54.0	10.06	AV	115.00	100	Horizontal	Pass
6	17416.200	53.57	3.67	74.0	20.43	Peak	39.00	200	Horizontal	Pass
6**	17416.200	46.16	3.67	54.0	7.84	AV	39.00	200	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	1331.900	41.07	-17.51	74.0	32.93	Peak	94.00	100	Vertical	Pass
1**	1331.900	33.51	-17.51	54.0	20.49	AV	94.00	100	Vertical	Pass
2	2429.000	105.35	-12.74	74.0	-31.35	Peak	76.00	200	Vertical	N/A
2**	2429.000	97.39	-12.74	54.0	-43.39	AV	76.00	200	Vertical	N/A
3	4874.800	53.53	-3.25	74.0	20.47	Peak	103.00	150	Vertical	Pass
3**	4874.800	48.32	-3.25	54.0	5.68	AV	103.00	150	Vertical	Pass
4	6906.400	55.71	-0.28	74.0	18.29	Peak	103.00	150	Vertical	Pass
4**	6906.400	43.81	-0.28	54.0	10.19	AV	103.00	150	Vertical	Pass
5	12253.200	53.29	0.97	74.0	20.71	Peak	106.00	400	Vertical	Pass
5**	12253.200	43.83	0.97	54.0	10.17	AV	106.00	400	Vertical	Pass
6	17189.925	53.86	2.34	74.0	20.14	Peak	358.00	200	Vertical	Pass
6**	17189.925	47.35	2.34	54.0	6.65	AV	358.00	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	1023.600	44.61	-18.03	74.0	29.39	Peak	343.00	300	Horizontal	Pass
1**	1023.600	28.19	-18.03	54.0	25.81	AV	343.00	300	Horizontal	Pass
2	2454.100	106.06	-12.61	74.0	-32.06	Peak	82.00	100	Horizontal	N/A
2**	2454.100	98.38	-12.61	54.0	-44.38	AV	82.00	100	Horizontal	N/A
3	4924.000	54.64	-2.34	74.0	19.36	Peak	96.00	150	Horizontal	Pass
3**	4924.000	51.37	-2.34	54.0	2.63	AV	96.00	150	Horizontal	Pass
4	6607.800	54.91	1.53	74.0	19.09	Peak	360.00	300	Horizontal	Pass
4**	6607.800	46.52	1.53	54.0	7.48	AV	360.00	300	Horizontal	Pass
5	12291.151	54.01	1.64	74.0	19.99	Peak	217.00	200	Horizontal	Pass
5**	12291.151	44.08	1.64	54.0	9.92	AV	217.00	200	Horizontal	Pass
6	17210.401	53.96	1.48	74.0	20.04	Peak	245.00	100	Horizontal	Pass
6**	17210.401	44.31	1.48	54.0	9.69	AV	245.00	100	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	1330.600	40.94	-17.48	74.0	33.06	Peak	78.00	100	Vertical	Pass
1**	1330.600	31.48	-17.48	54.0	22.52	AV	78.00	100	Vertical	Pass
2	2459.800	104.86	-12.57	74.0	-30.86	Peak	78.00	100	Vertical	N/A
2**	2459.800	97.09	-12.57	54.0	-43.09	AV	78.00	100	Vertical	N/A
3	4926.200	52.31	-2.40	74.0	21.69	Peak	50.00	150	Vertical	Pass
3**	4926.200	47.93	-2.40	54.0	6.07	AV	50.00	150	Vertical	Pass
4	6605.000	54.63	1.18	74.0	19.37	Peak	85.00	100	Vertical	Pass
4**	6605.000	45.71	1.18	54.0	8.29	AV	85.00	100	Vertical	Pass
5	12477.450	53.28	1.61	74.0	20.72	Peak	294.00	100	Vertical	Pass
5**	12477.450	42.64	1.61	54.0	11.36	AV	294.00	100	Vertical	Pass
6	17405.438	53.70	3.33	74.0	20.30	Peak	0.00	200	Vertical	Pass
6**	17405.438	46.72	3.33	54.0	7.28	AV	0.00	200	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	1330.500	38.95	-17.47	74.0	35.05	Peak	31.00	200	Horizontal	Pass
1**	1330.500	31.39	-17.47	54.0	22.61	AV	31.00	200	Horizontal	Pass
2	2463.700	105.50	-12.48	74.0	-31.50	Peak	154.00	200	Horizontal	N/A
2**	2463.700	98.23	-12.48	54.0	-44.23	AV	154.00	200	Horizontal	N/A
3	4932.000	56.79	-2.77	74.0	17.21	Peak	104.00	150	Horizontal	Pass
3**	4932.000	51.82	-2.77	54.0	2.18	AV	104.00	150	Horizontal	Pass
4	6275.800	54.10	0.23	74.0	19.90	Peak	188.00	100	Horizontal	Pass
4**	6275.800	44.82	0.23	54.0	9.18	AV	188.00	100	Horizontal	Pass
5	12334.850	52.62	1.35	74.0	21.38	Peak	246.00	400	Horizontal	Pass
5**	12334.850	43.35	1.35	54.0	10.65	AV	246.00	400	Horizontal	Pass
6	17248.725	53.59	1.59	74.0	20.41	Peak	174.00	400	Horizontal	Pass
6**	17248.725	44.51	1.59	54.0	9.49	AV	174.00	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	1166.800	42.70	-18.07	74.0	31.30	Peak	61.00	400	Vertical	Pass
1**	1166.800	35.06	-18.07	54.0	18.94	AV	61.00	400	Vertical	Pass
2	2464.000	105.53	-12.47	74.0	-31.53	Peak	90.00	100	Vertical	N/A
2**	2464.000	98.25	-12.47	54.0	-44.25	AV	90.00	100	Vertical	N/A
3	4936.600	53.60	-2.93	74.0	20.40	Peak	55.00	150	Vertical	Pass
3**	4936.600	48.36	-2.93	54.0	5.64	AV	55.00	150	Vertical	Pass
4	6607.000	55.22	1.48	74.0	18.78	Peak	147.00	100	Vertical	Pass
4**	6607.000	45.93	1.48	54.0	8.07	AV	147.00	100	Vertical	Pass
5	11952.187	53.22	1.30	74.0	20.78	Peak	61.00	200	Vertical	Pass
5**	11952.187	43.19	1.30	54.0	10.81	AV	61.00	200	Vertical	Pass
6	17284.950	53.71	1.69	74.0	20.29	Peak	0.00	200	Vertical	Pass
6**	17284.950	47.00	1.69	54.0	7.00	AV	0.00	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	1100.200	41.54	-18.69	74.0	32.46	Peak	360.00	200	Horizontal	Pass
1**	1100.200	35.00	-18.69	54.0	19.00	AV	360.00	200	Horizontal	Pass
2	2464.600	105.96	-12.46	74.0	-31.96	Peak	83.00	150	Horizontal	N/A
2**	2464.600	98.05	-12.46	54.0	-44.05	AV	83.00	150	Horizontal	N/A
3	4949.800	53.46	-3.11	74.0	20.54	Peak	103.00	150	Horizontal	Pass
3**	4949.800	51.31	-3.11	54.0	2.69	AV	103.00	150	Horizontal	Pass
4	6681.400	54.70	0.14	74.0	19.30	Peak	331.00	300	Horizontal	Pass
4**	6681.400	45.53	0.14	54.0	8.47	AV	331.00	300	Horizontal	Pass
5	12284.537	53.31	1.78	74.0	20.69	Peak	79.00	200	Horizontal	Pass
5**	12284.537	44.22	1.78	54.0	9.78	AV	79.00	200	Horizontal	Pass
6	17421.187	53.75	3.72	74.0	20.25	Peak	98.00	300	Horizontal	Pass
6**	17421.187	46.42	3.72	54.0	7.58	AV	98.00	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	1332.500	40.88	-17.52	74.0	33.12	Peak	110.00	200	Vertical	Pass
1**	1332.500	32.60	-17.52	54.0	21.40	AV	110.00	200	Vertical	Pass
2	2476.300	105.51	-11.91	74.0	-31.51	Peak	80.00	100	Vertical	N/A
2**	2476.300	97.77	-11.91	54.0	-43.77	AV	80.00	100	Vertical	N/A
3	4941.000	53.55	-2.83	74.0	20.45	Peak	99.00	150	Vertical	Pass
3**	4941.000	48.13	-2.83	54.0	5.87	AV	99.00	150	Vertical	Pass
4	6607.000	55.18	1.48	74.0	18.82	Peak	305.00	100	Vertical	Pass
4**	6607.000	46.11	1.48	54.0	7.89	AV	305.00	100	Vertical	Pass
5	12424.549	53.07	1.43	74.0	20.93	Peak	61.00	400	Vertical	Pass
5**	12424.549	43.44	1.43	54.0	10.56	AV	61.00	400	Vertical	Pass
6	17136.900	53.65	2.19	74.0	20.35	Peak	360.00	300	Vertical	Pass
6**	17136.900	45.20	2.19	54.0	8.80	AV	360.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.800	41.79	-17.50	74.0	32.21	Peak	126.00	300	Horizontal	Pass
1**	1331.800	29.07	-17.50	54.0	24.93	AV	126.00	300	Horizontal	Pass
2	2465.300	104.19	-12.44	74.0	-30.19	Peak	81.00	150	Horizontal	N/A
2**	2465.300	95.83	-12.44	54.0	-41.83	AV	81.00	150	Horizontal	N/A
3	4922.600	54.69	-2.32	74.0	19.31	Peak	99.00	150	Horizontal	Pass
3**	4922.600	49.19	-2.32	54.0	4.81	AV	99.00	150	Horizontal	Pass
4	6604.600	55.05	1.12	74.0	18.95	Peak	360.00	300	Horizontal	Pass
4**	6604.600	45.26	1.12	54.0	8.74	AV	360.00	300	Horizontal	Pass
5	12543.287	53.34	1.34	74.0	20.66	Peak	213.00	100	Horizontal	Pass
5**	12543.287	42.83	1.34	54.0	11.17	AV	213.00	100	Horizontal	Pass
6	17197.011	54.10	2.07	74.0	19.90	Peak	90.00	300	Horizontal	Pass
6**	17197.011	46.60	2.07	54.0	7.40	AV	90.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	41.19	-17.60	74.0	32.81	Peak	90.00	400	Vertical	Pass
1**	1329.300	30.16	-17.60	54.0	23.84	AV	90.00	400	Vertical	Pass
2	2449.800	103.23	-12.36	74.0	-29.23	Peak	79.00	150	Vertical	N/A
2**	2449.800	95.02	-12.36	54.0	-41.02	AV	79.00	150	Vertical	N/A
3	4924.600	53.02	-2.35	74.0	20.98	Peak	93.00	150	Vertical	Pass
3**	4924.600	46.80	-2.35	54.0	7.20	AV	93.00	150	Vertical	Pass
4	6680.600	54.45	0.16	74.0	19.55	Peak	186.00	300	Vertical	Pass
4**	6680.600	44.75	0.16	54.0	9.25	AV	186.00	300	Vertical	Pass
5	12494.412	53.17	1.66	74.0	20.83	Peak	57.00	200	Vertical	Pass
5**	12494.412	42.98	1.66	54.0	11.02	AV	57.00	200	Vertical	Pass
6	17178.900	53.90	2.64	74.0	20.10	Peak	55.00	300	Vertical	Pass
6**	17178.900	46.76	2.64	54.0	7.24	AV	55.00	300	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.100	39.30	-18.20	74.0	34.70	Peak	78.00	100	Horizontal	Pass
1**	1000.100	31.31	-18.20	54.0	22.69	AV	78.00	100	Horizontal	Pass
2	2435.700	103.89	-12.52	74.0	-29.89	Peak	90.00	200	Horizontal	N/A
2**	2435.700	95.03	-12.52	54.0	-41.03	AV	90.00	200	Horizontal	N/A
3	4874.000	54.93	-3.29	74.0	19.07	Peak	113.00	150	Horizontal	Pass
3**	4874.000	49.72	-3.29	54.0	4.28	AV	113.00	150	Horizontal	Pass
4	6613.200	54.64	1.32	74.0	19.36	Peak	39.00	300	Horizontal	Pass
4**	6613.200	46.07	1.32	54.0	7.93	AV	39.00	300	Horizontal	Pass
5	12741.662	53.93	1.28	74.0	20.07	Peak	4.00	400	Horizontal	Pass
5**	12741.662	43.68	1.28	54.0	10.32	AV	4.00	400	Horizontal	Pass
6	17168.137	53.99	2.36	74.0	20.01	Peak	167.00	400	Horizontal	Pass
6**	17168.137	45.73	2.36	54.0	8.27	AV	167.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	41.69	-17.47	74.0	32.31	Peak	135.00	300	Vertical	Pass
1**	1330.500	32.94	-17.47	54.0	21.06	AV	135.00	300	Vertical	Pass
2	2430.200	103.08	-12.74	74.0	-29.08	Peak	281.00	200	Vertical	N/A
2**	2430.200	95.56	-12.74	54.0	-41.56	AV	281.00	200	Vertical	N/A
3	4874.000	50.92	-3.29	74.0	23.08	Peak	61.00	150	Vertical	Pass
3**	4874.000	46.88	-3.29	54.0	7.12	AV	61.00	150	Vertical	Pass
4	6992.000	54.63	0.65	74.0	19.37	Peak	360.00	300	Vertical	Pass
4**	6992.000	44.07	0.65	54.0	9.93	AV	360.00	300	Vertical	Pass
5	11878.875	53.64	1.38	74.0	20.36	Peak	104.00	400	Vertical	Pass
5**	11878.875	43.39	1.38	54.0	10.61	AV	104.00	400	Vertical	Pass
6	17189.663	53.48	2.35	74.0	20.52	Peak	16.00	100	Vertical	Pass
6**	17189.663	45.61	2.35	54.0	8.39	AV	16.00	100	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.300	39.32	-17.44	74.0	34.68	Peak	48.00	400	Horizontal	Pass
1**	1470.300	29.47	-17.44	54.0	24.53	AV	48.00	400	Horizontal	Pass
2	2460.700	102.90	-12.55	74.0	-28.90	Peak	194.00	100	Horizontal	N/A
2**	2460.700	94.75	-12.55	54.0	-40.75	AV	194.00	100	Horizontal	N/A
3	4905.000	54.05	-2.31	74.0	19.95	Peak	115.00	150	Horizontal	Pass
3**	4905.000	49.72	-2.31	54.0	4.28	AV	115.00	150	Horizontal	Pass
4	6679.800	55.48	0.18	74.0	18.52	Peak	16.00	200	Horizontal	Pass
4**	6679.800	45.42	0.18	54.0	8.58	AV	16.00	200	Horizontal	Pass
5	12308.400	53.37	1.38	74.0	20.63	Peak	158.00	200	Horizontal	Pass
5**	12308.400	43.72	1.38	54.0	10.28	AV	158.00	200	Horizontal	Pass
6	17183.099	54.18	2.59	74.0	19.82	Peak	329.00	300	Horizontal	Pass
6**	17183.099	45.95	2.59	54.0	8.05	AV	329.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.300	39.32	-17.44	74.0	34.68	Peak	48.00	400	Horizontal	Pass
1**	1470.300	29.47	-17.44	54.0	24.53	AV	48.00	400	Horizontal	Pass
2	2460.700	102.90	-12.55	74.0	-28.90	Peak	194.00	100	Horizontal	N/A
2**	2460.700	94.75	-12.55	54.0	-40.75	AV	194.00	100	Horizontal	N/A
3	4905.000	54.05	-2.31	74.0	19.95	Peak	115.00	150	Horizontal	Pass
3**	4905.000	49.72	-2.31	54.0	4.28	AV	115.00	150	Horizontal	Pass
4	6679.800	55.48	0.18	74.0	18.52	Peak	16.00	200	Horizontal	Pass
4**	6679.800	45.42	0.18	54.0	8.58	AV	16.00	200	Horizontal	Pass
5	12308.400	53.37	1.38	74.0	20.63	Peak	158.00	200	Horizontal	Pass
5**	12308.400	43.72	1.38	54.0	10.28	AV	158.00	200	Horizontal	Pass
6	17183.099	54.18	2.59	74.0	19.82	Peak	329.00	300	Horizontal	Pass
6**	17183.099	45.95	2.59	54.0	8.05	AV	329.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 10

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.700	39.46	-17.56	74.0	34.54	Peak	257.00	200	Horizontal	Pass
1**	1492.700	29.56	-17.56	54.0	24.44	AV	257.00	200	Horizontal	Pass
2	2449.900	103.14	-12.35	74.0	-29.14	Peak	92.00	150	Horizontal	N/A
2**	2449.900	95.14	-12.35	54.0	-41.14	AV	92.00	150	Horizontal	N/A
3	4914.800	53.70	-2.64	74.0	20.30	Peak	119.00	150	Horizontal	Pass
3**	4914.800	50.76	-2.64	54.0	3.24	AV	119.00	150	Horizontal	Pass
4	6611.400	55.11	1.45	74.0	18.89	Peak	273.00	400	Horizontal	Pass
4**	6611.400	45.85	1.45	54.0	8.15	AV	273.00	400	Horizontal	Pass
5	12484.062	53.31	1.63	74.0	20.69	Peak	123.00	200	Horizontal	Pass
5**	12484.062	43.10	1.63	54.0	10.90	AV	123.00	200	Horizontal	Pass
6	17180.738	53.61	2.66	74.0	20.39	Peak	360.00	100	Horizontal	Pass
6**	17180.738	46.77	2.66	54.0	7.23	AV	360.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 10

No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.900	41.78	-17.54	74.0	32.22	Peak	95.00	400	Vertical	Pass
1**	1329.900	32.17	-17.54	54.0	21.83	AV	95.00	400	Vertical	Pass
2	2451.700	102.91	-12.42	74.0	-28.91	Peak	83.00	100	Vertical	N/A
2**	2451.700	95.84	-12.42	54.0	-41.84	AV	83.00	100	Vertical	N/A
3	4915.400	52.09	-2.60	74.0	21.91	Peak	69.00	150	Vertical	Pass
3**	4915.400	46.77	-2.60	54.0	7.23	AV	69.00	150	Vertical	Pass
4	6605.800	54.83	1.32	74.0	19.17	Peak	278.00	300	Vertical	Pass
4**	6605.800	46.87	1.32	54.0	7.13	AV	278.00	300	Vertical	Pass
5	12607.112	53.69	1.91	74.0	20.31	Peak	185.00	200	Vertical	Pass
5**	12607.112	43.61	1.91	54.0	10.39	AV	185.00	200	Vertical	Pass
6	17177.850	54.46	2.60	74.0	19.54	Peak	53.00	300	Vertical	Pass
6**	17177.850	45.97	2.60	54.0	8.03	AV	53.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1100.300	39.38	-18.69	74.0	34.62	Peak	347.00	100	Horizontal	Pass
1**	1100.300	32.58	-18.69	54.0	21.42	AV	347.00	100	Horizontal	Pass
2	2451.100	102.96	-12.38	74.0	-28.96	Peak	90.00	200	Horizontal	N/A
2**	2451.100	95.45	-12.38	54.0	-41.45	AV	90.00	200	Horizontal	N/A
3	4929.200	56.33	-2.59	74.0	17.67	Peak	121.00	150	Horizontal	Pass
3**	4929.200	48.62	-2.59	54.0	5.38	AV	121.00	150	Horizontal	Pass
4	6685.400	55.31	-0.06	74.0	18.69	Peak	17.00	100	Horizontal	Pass
4**	6685.400	46.67	-0.06	54.0	7.33	AV	17.00	100	Horizontal	Pass
5	12284.250	53.59	1.78	74.0	20.41	Peak	40.00	400	Horizontal	Pass
5**	12284.250	45.03	1.78	54.0	8.97	AV	40.00	400	Horizontal	Pass
6	17184.150	53.26	2.55	74.0	20.74	Peak	183.00	100	Horizontal	Pass
6**	17184.150	45.26	2.55	54.0	8.74	AV	183.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.700	42.13	-17.66	74.0	31.87	Peak	75.00	400	Vertical	Pass
1**	1328.700	31.41	-17.66	54.0	22.59	AV	75.00	400	Vertical	Pass
2	2449.500	102.80	-12.37	74.0	-28.80	Peak	87.00	100	Vertical	N/A
2**	2449.500	95.33	-12.37	54.0	-41.33	AV	87.00	100	Vertical	N/A
3	4926.800	51.69	-2.43	74.0	22.31	Peak	61.00	150	Vertical	Pass
3**	4926.800	48.00	-2.43	54.0	6.00	AV	61.00	150	Vertical	Pass
4	6987.000	54.55	1.26	74.0	19.45	Peak	195.00	300	Vertical	Pass
4**	6987.000	44.35	1.26	54.0	9.65	AV	195.00	300	Vertical	Pass
5	12317.887	52.85	1.42	74.0	21.15	Peak	188.00	100	Vertical	Pass
5**	12317.887	44.80	1.42	54.0	9.20	AV	188.00	100	Vertical	Pass
6	17178.375	53.45	2.62	74.0	20.55	Peak	70.00	100	Vertical	Pass
6**	17178.375	46.43	2.62	54.0	7.57	AV	70.00	100	Vertical	Pass



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

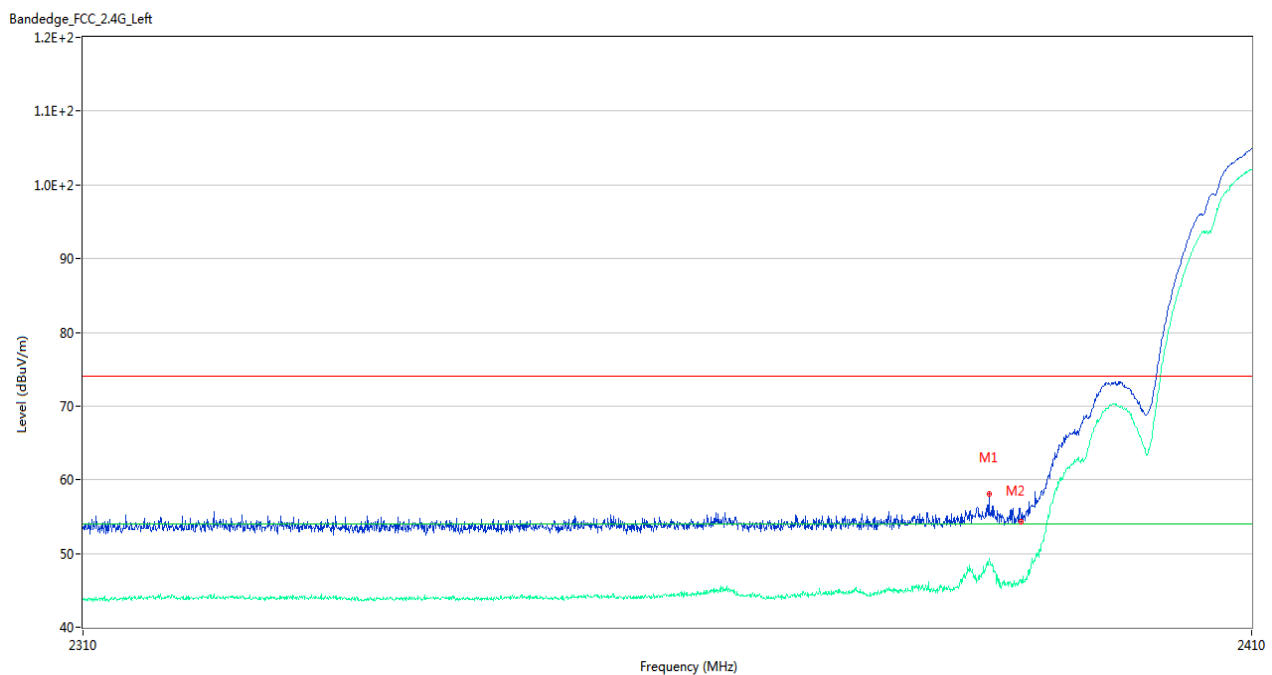
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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

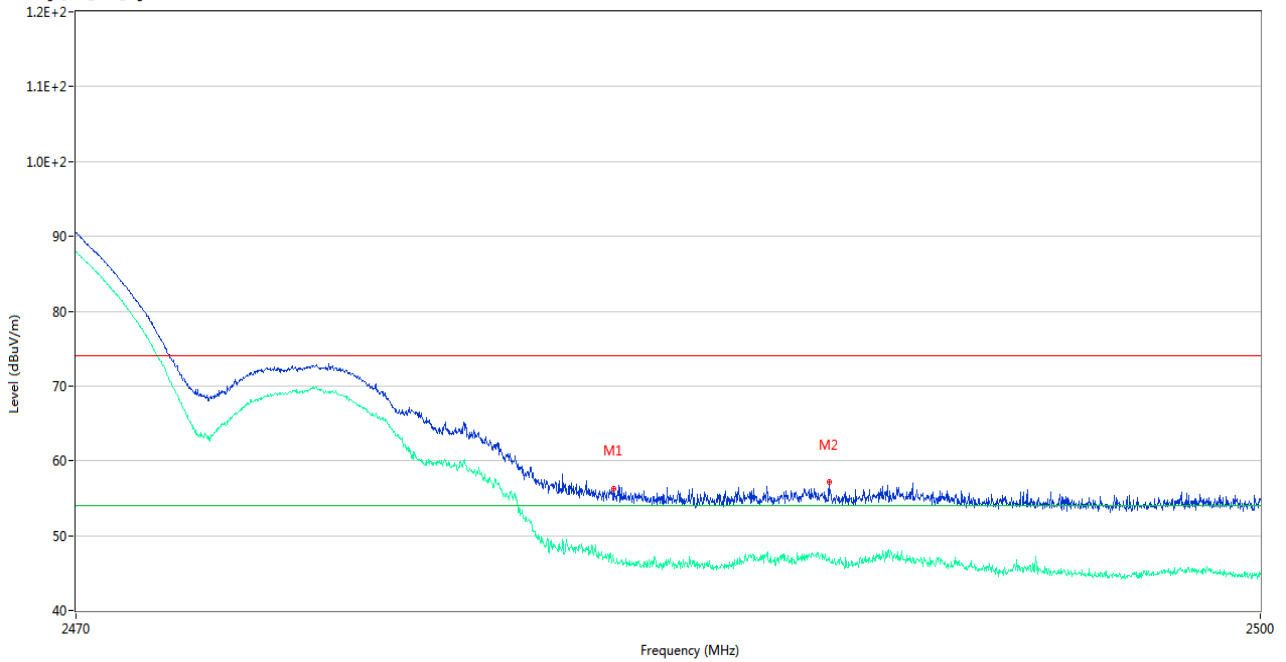
#### 802.11b Channel 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.150	58.05	-0.68	74.0	15.95	Peak	91.00	200	Horizontal	Pass
1**	2387.150	49.35	-0.68	54.0	4.65	AV	91.00	200	Horizontal	Pass
2	2389.950	54.35	-0.59	74.0	19.65	Peak	84.00	150	Horizontal	Pass
2**	2389.950	45.96	-0.59	54.0	8.04	AV	84.00	150	Horizontal	Pass

802.11b Channel 11

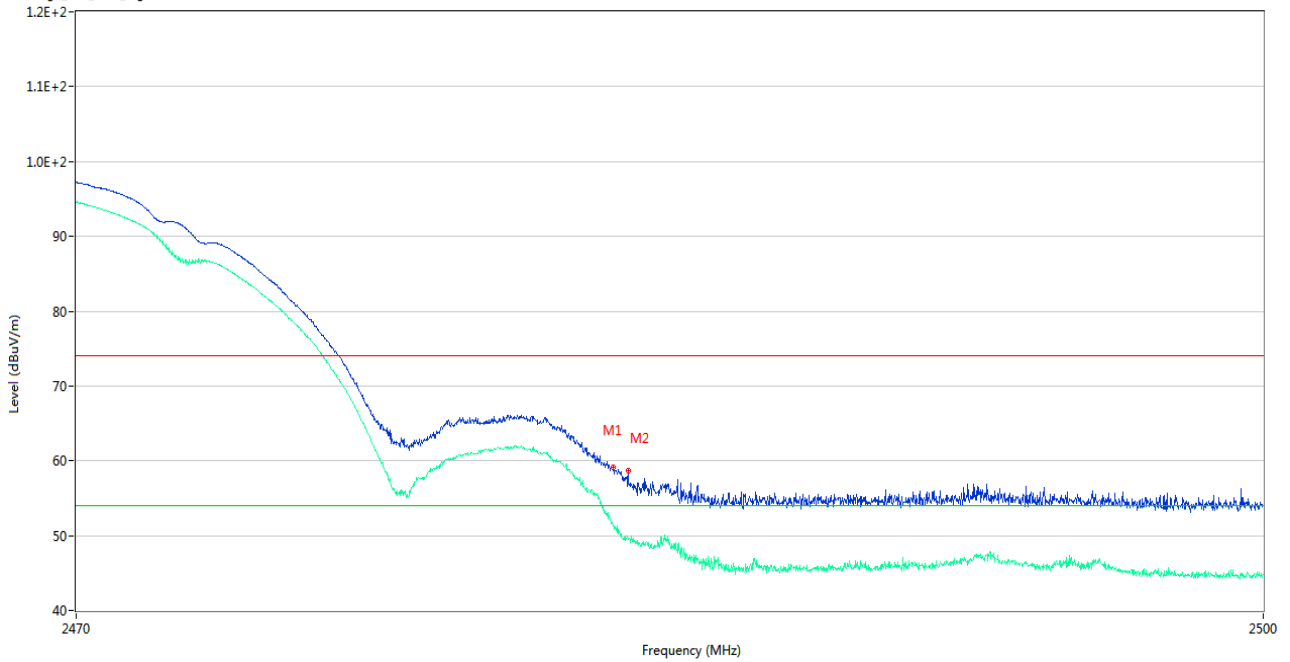
Bandedge\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	56.33	-0.06	74.0	17.67	Peak	228.00	100	Horizontal	Pass
1**	2483.590	46.59	-0.06	54.0	7.41	AV	228.00	100	Horizontal	Pass
2	2489.035	57.13	-0.10	74.0	16.87	Peak	194.00	150	Horizontal	Pass
2**	2489.035	47.03	-0.10	54.0	6.97	AV	194.00	150	Horizontal	Pass

802.11b Channel 12

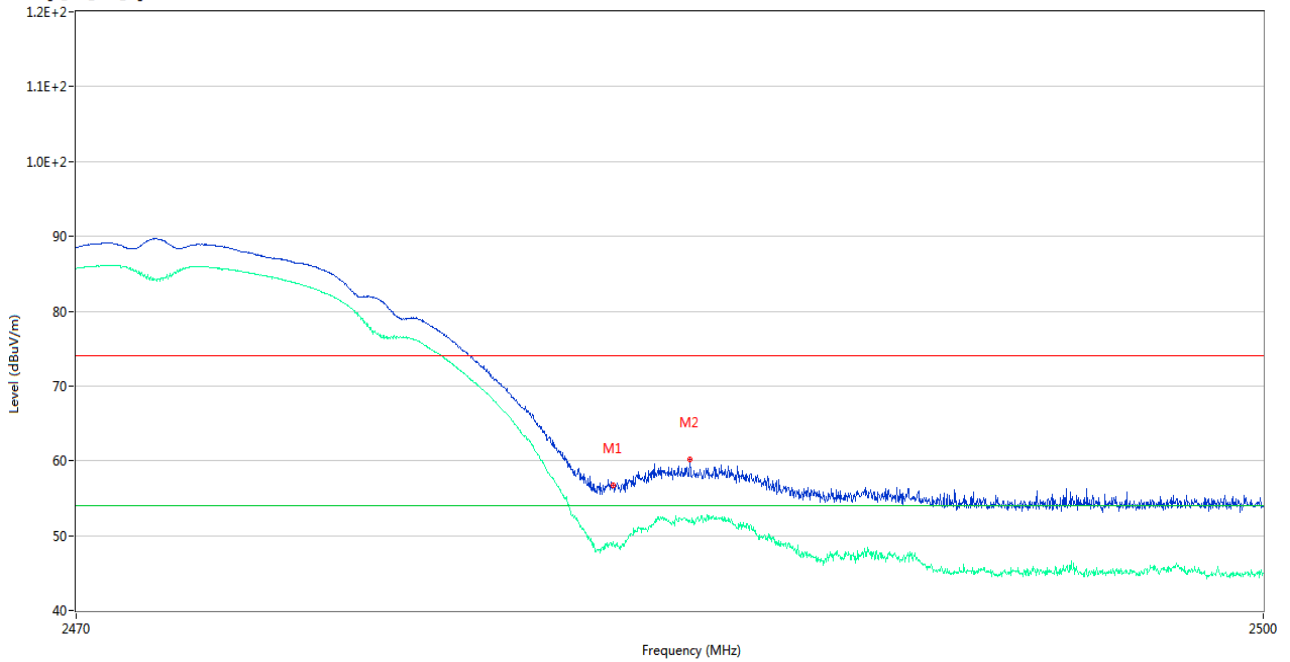
Bandedge\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	59.10	-0.05	74.0	14.90	Peak	90.00	150	Horizontal	Pass
1**	2483.530	51.42	-0.05	54.0	2.58	AV	90.00	150	Horizontal	Pass
2	2483.905	58.66	-0.09	74.0	15.34	Peak	195.00	200	Horizontal	Pass
2**	2483.905	49.48	-0.09	54.0	4.52	AV	195.00	200	Horizontal	Pass

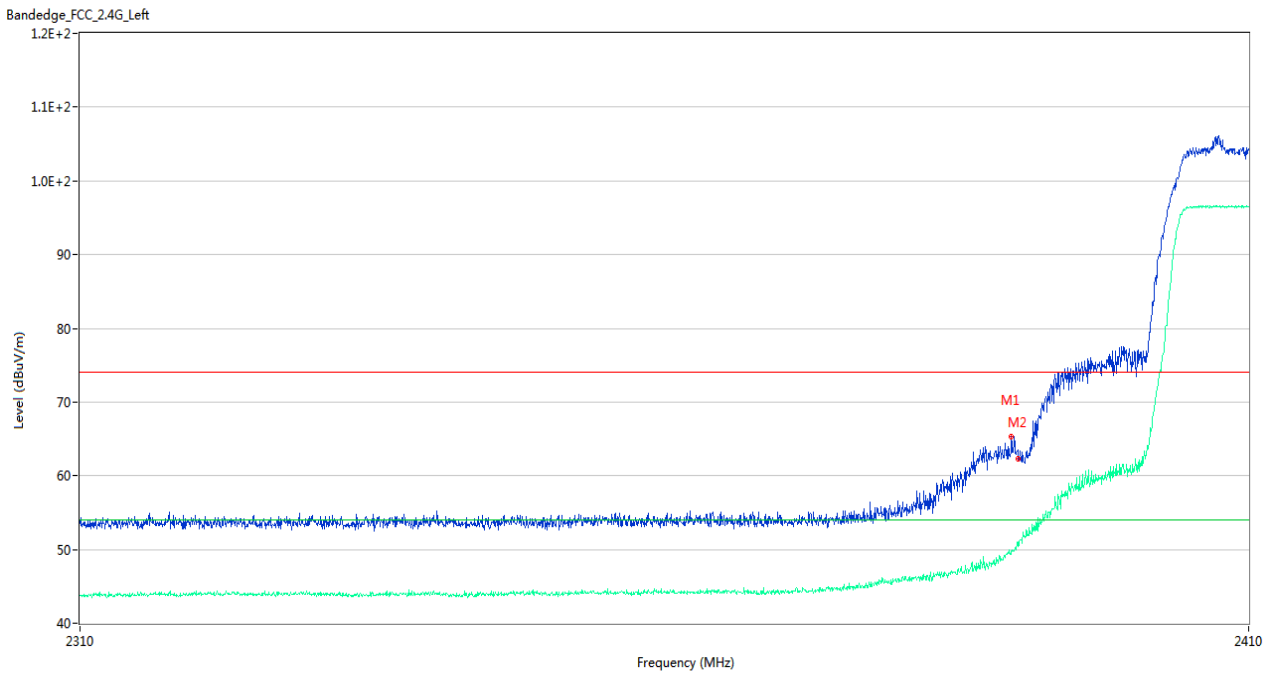
802.11b Channel 13

Bandedge\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	56.66	-0.05	74.0	17.34	Peak	148.00	200	Horizontal	Pass
1**	2483.515	49.13	-0.05	54.0	4.87	AV	148.00	200	Horizontal	Pass
2	2485.465	60.20	-0.18	74.0	13.80	Peak	198.00	100	Horizontal	Pass
2**	2485.465	51.96	-0.18	54.0	2.04	AV	198.00	100	Horizontal	Pass

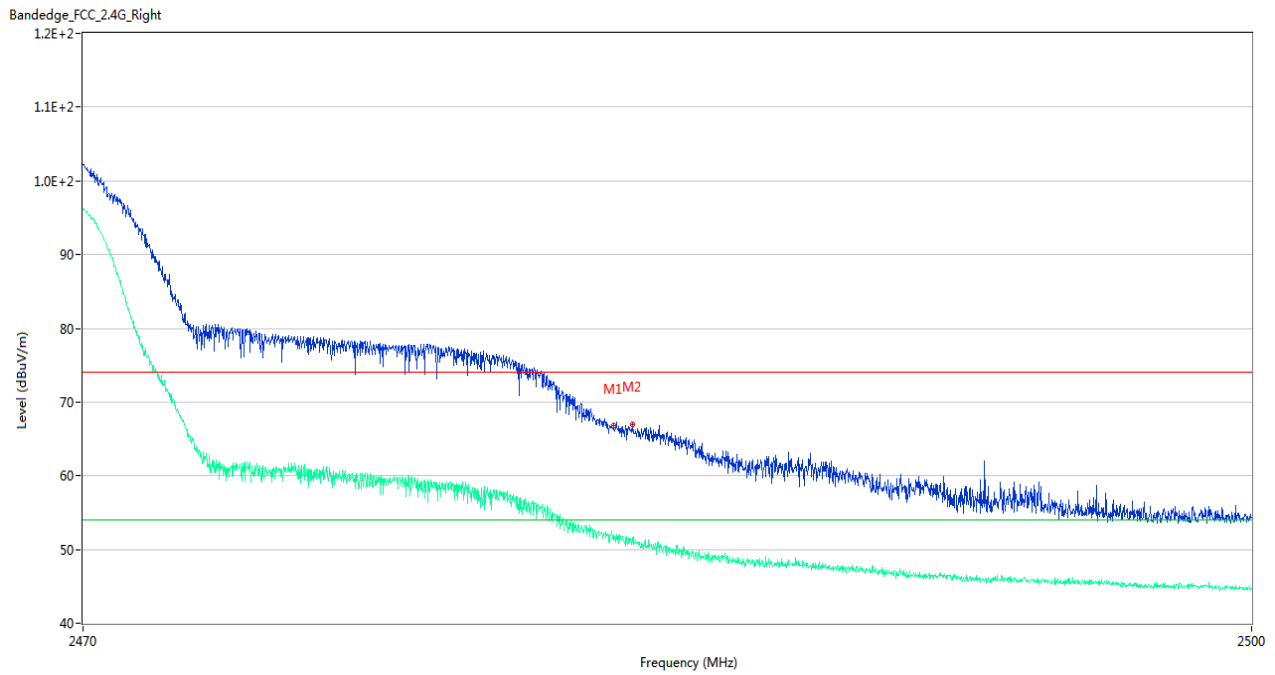
802.11g Channel 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.350	65.31	-0.61	74.0	8.69	Peak	89.00	100	Horizontal	Pass
1**	2389.350	49.40	-0.61	54.0	4.60	AV	89.00	100	Horizontal	Pass
2	2389.950	62.28	-0.59	74.0	11.72	Peak	310.00	150	Horizontal	Pass
2**	2389.950	50.93	-0.59	54.0	3.07	AV	310.00	150	Horizontal	Pass

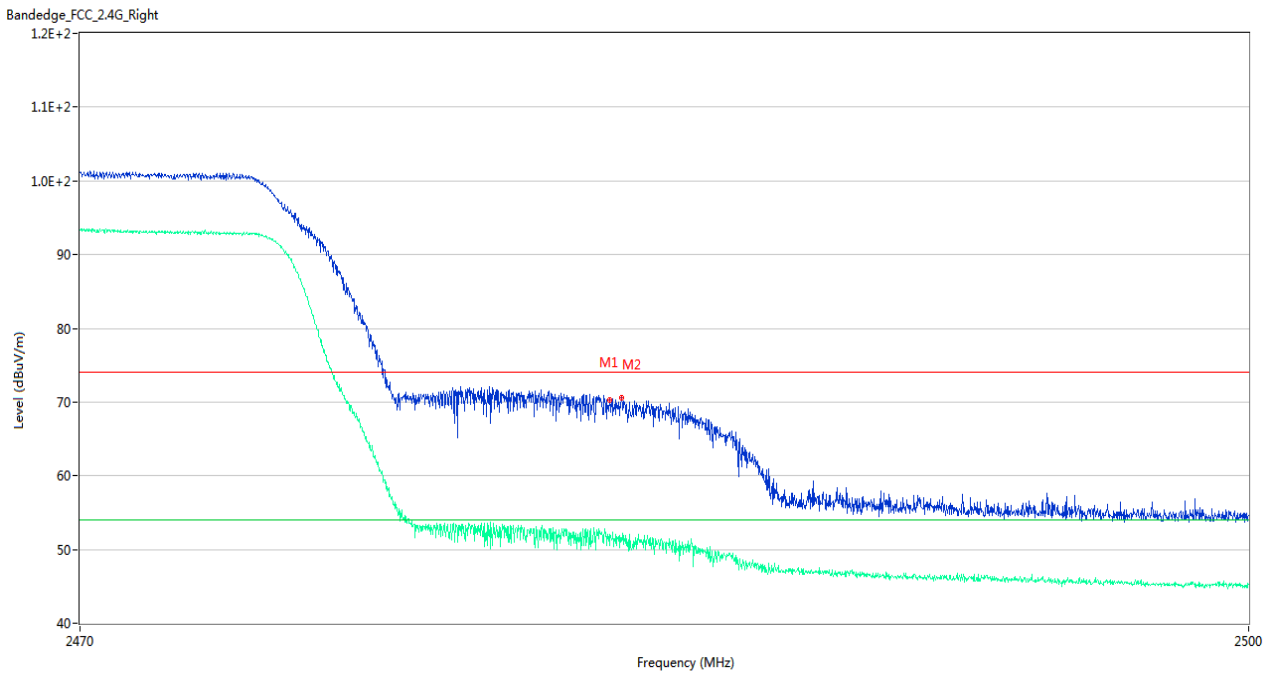


802.11g Channel 11



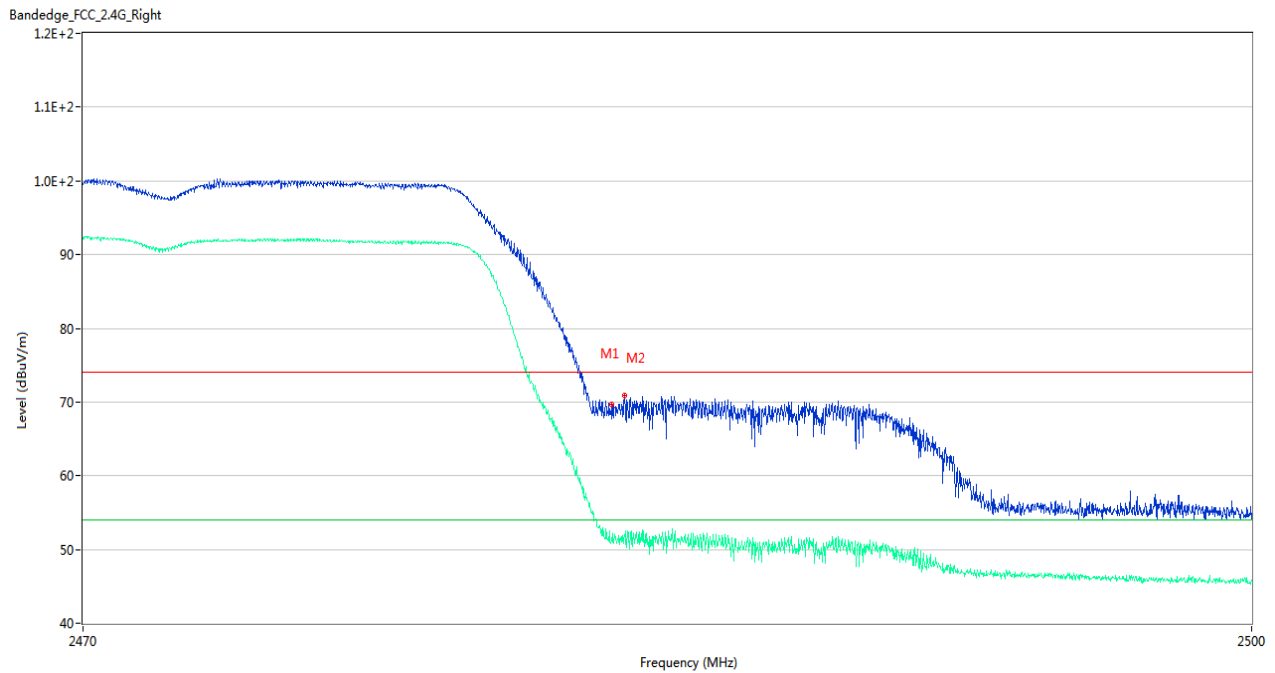
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	66.82	-0.06	74.0	7.18	Peak	196.00	200	Horizontal	Pass
1**	2483.575	51.37	-0.06	54.0	2.63	AV	196.00	200	Horizontal	Pass
2	2484.070	67.02	-0.11	74.0	6.98	Peak	91.00	100	Horizontal	Pass
2**	2484.070	51.40	-0.11	54.0	2.60	AV	91.00	100	Horizontal	Pass

802.11g Channel 12



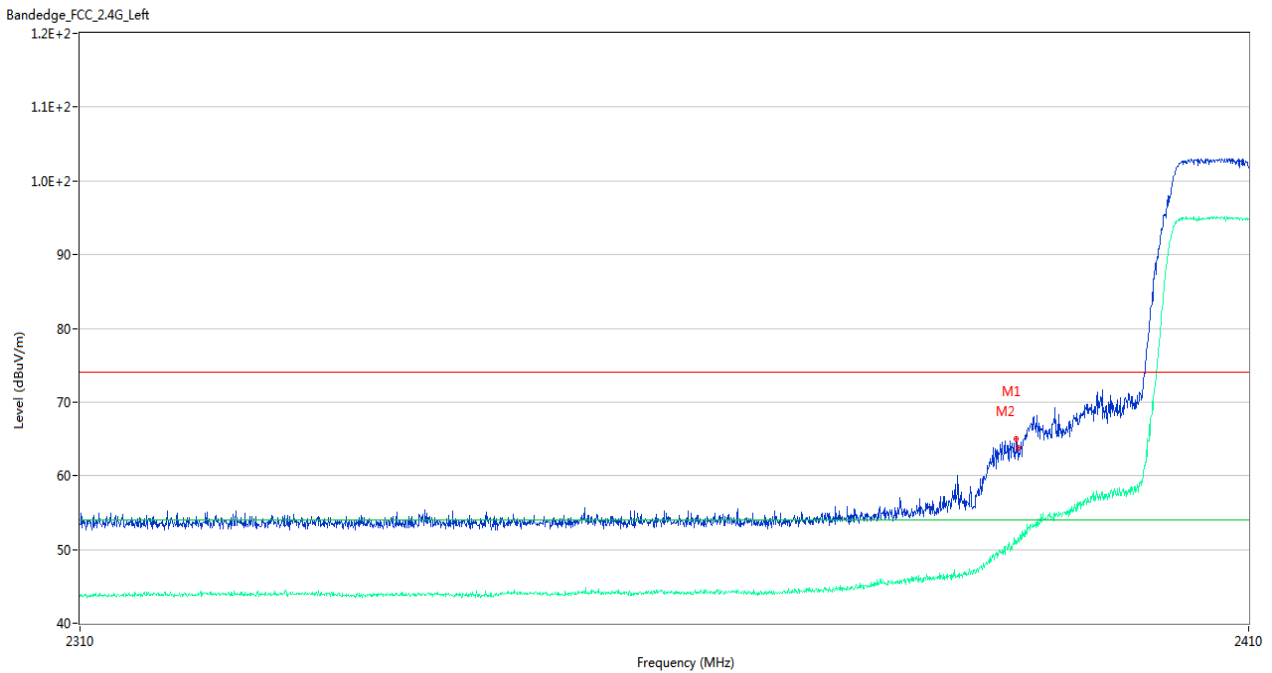
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	70.34	-0.06	74.0	3.66	Peak	91.00	100	Horizontal	Pass
1**	2483.545	50.49	-0.06	54.0	3.51	AV	91.00	100	Horizontal	Pass
2	2483.860	70.57	-0.09	74.0	3.43	Peak	91.00	150	Horizontal	Pass
2**	2483.860	51.13	-0.09	54.0	2.87	AV	91.00	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	2483.530	69.72	-0.05	74.0	4.28	Peak	150.00	200	Horizontal	Pass
1**	2483.530	51.11	-0.05	54.0	2.89	AV	150.00	200	Horizontal	Pass
2	2483.860	70.89	-0.09	74.0	3.11	Peak	88.00	150	Horizontal	Pass
2**	2483.860	51.80	-0.09	54.0	2.20	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	2389.800	64.99	-0.60	74.0	9.01	Peak	91.00	200	Horizontal	Pass
1**	2389.800	51.09	-0.60	54.0	2.91	AV	91.00	200	Horizontal	Pass
2	2389.950	63.76	-0.59	74.0	10.24	Peak	96.00	100	Horizontal	Pass
2**	2389.950	51.20	-0.59	54.0	2.80	AV	96.00	100	Horizontal	Pass

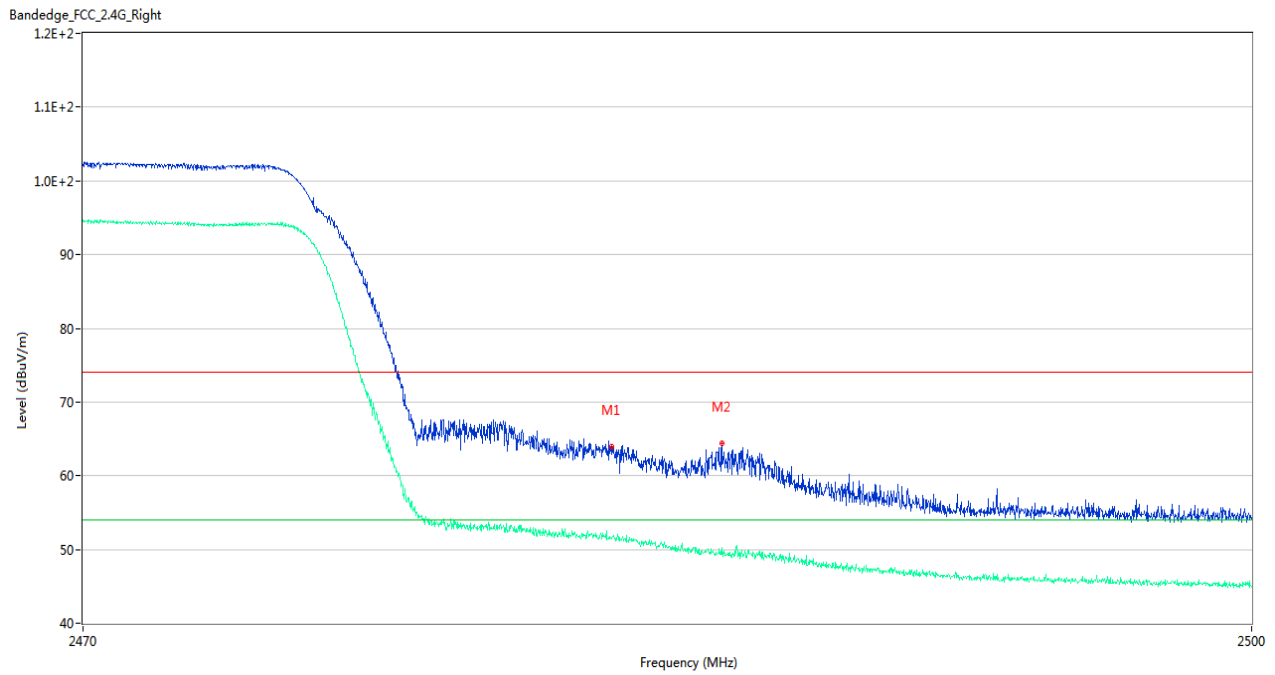
802.11n20 Channel 11



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.72	-0.05	74.0	9.28	Peak	198.00	200	Horizontal	Pass
1**	2483.500	51.86	-0.05	54.0	2.14	AV	198.00	200	Horizontal	Pass
2	2485.435	65.73	-0.18	74.0	8.27	Peak	92.00	200	Horizontal	Pass
2**	2485.435	50.15	-0.18	54.0	3.85	AV	92.00	200	Horizontal	Pass

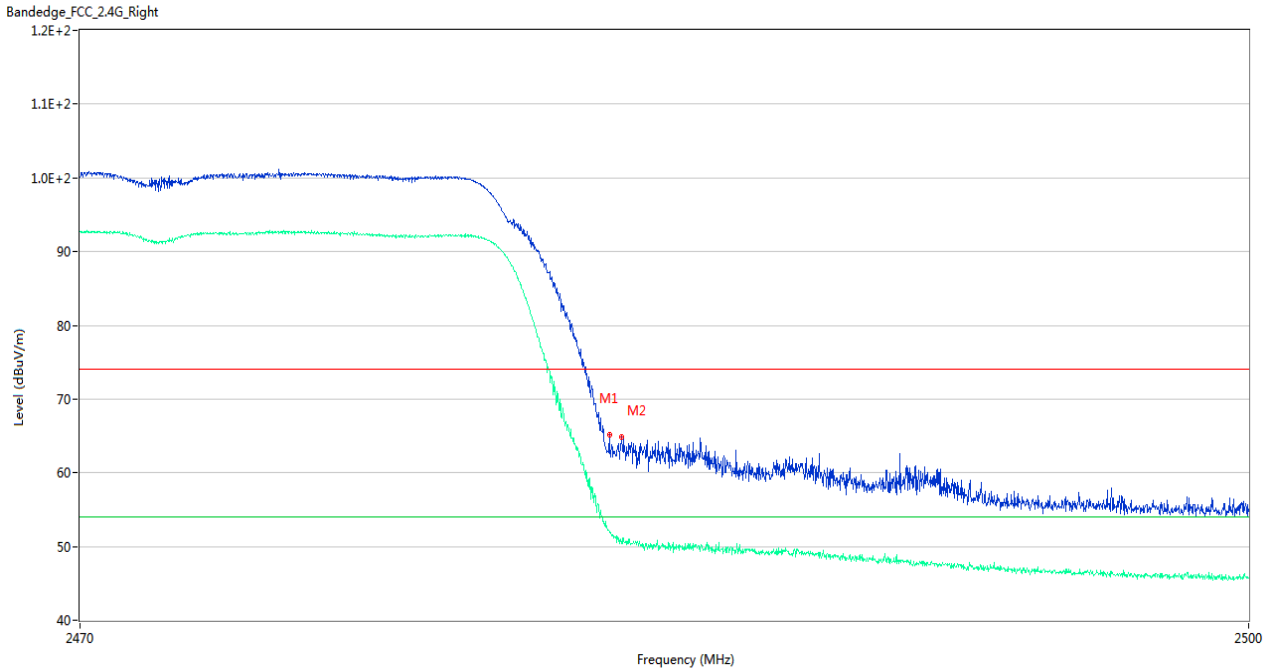


802.11n20 Channel 12



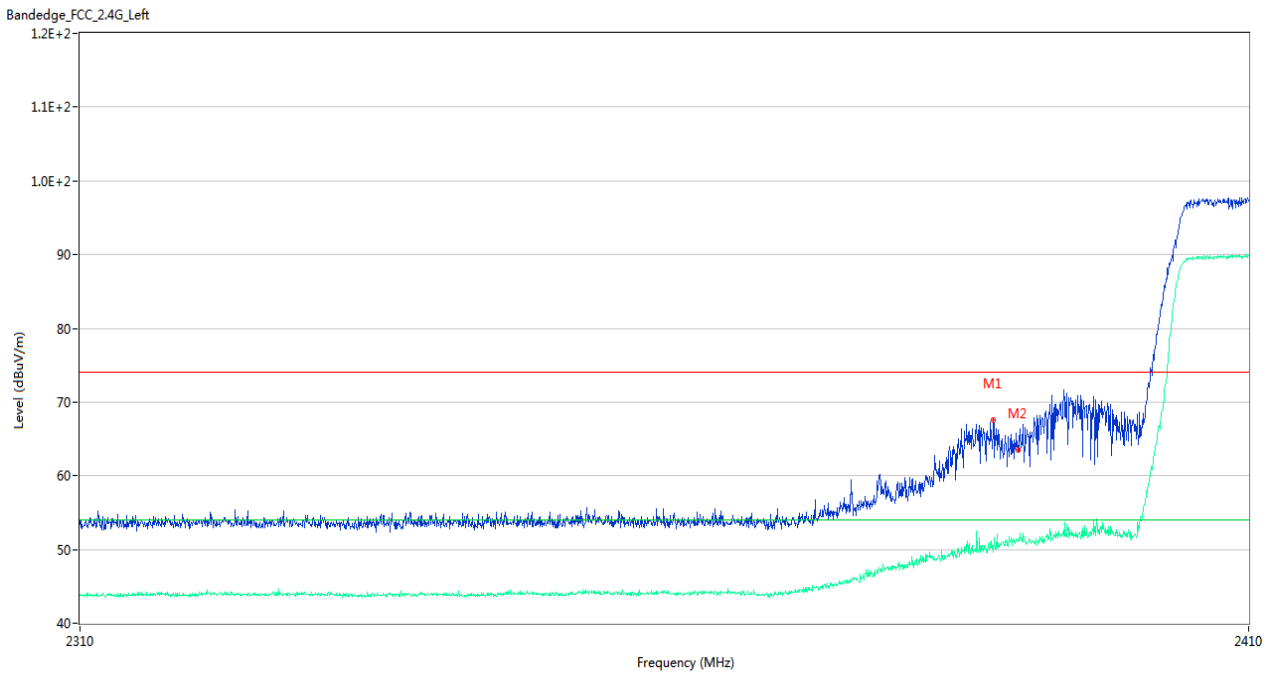
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	63.89	-0.05	74.0	10.11	Peak	200.00	100	Horizontal	Pass
1**	2483.530	51.58	-0.05	54.0	2.42	AV	200.00	100	Horizontal	Pass
2	2486.350	64.39	-0.21	74.0	9.61	Peak	89.00	200	Horizontal	Pass
2**	2486.350	49.39	-0.21	54.0	4.61	AV	89.00	200	Horizontal	Pass

802.11n20 Channel 13



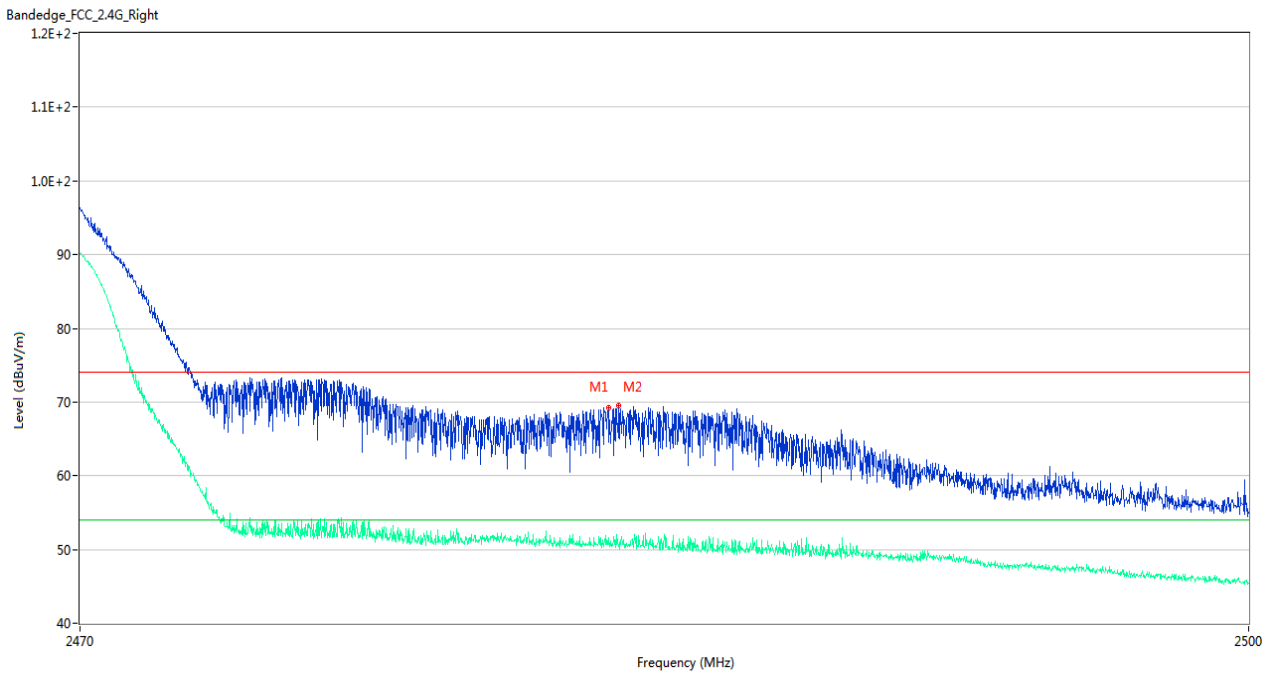
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	65.11	-0.06	74.0	8.89	Peak	91.00	150	Horizontal	Pass
1**	2483.545	51.72	-0.06	54.0	2.28	AV	91.00	150	Horizontal	Pass
2	2483.860	64.82	-0.09	74.0	9.18	Peak	152.00	200	Horizontal	Pass
2**	2483.860	50.41	-0.09	54.0	3.59	AV	152.00	200	Horizontal	Pass

802.11n40 Channel 3



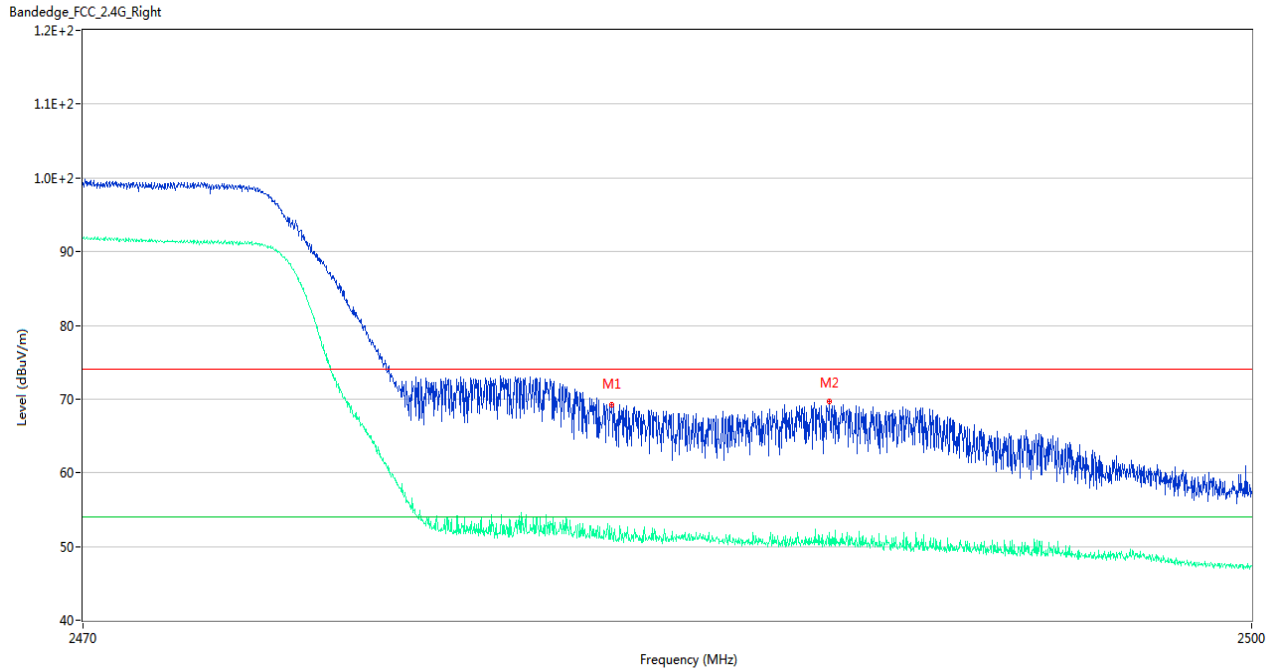
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.800	67.51	-0.66	74.0	6.49	Peak	93.00	100	Horizontal	Pass
1**	2387.800	49.59	-0.66	54.0	4.41	AV	93.00	100	Horizontal	Pass
2	2389.950	63.51	-0.59	74.0	10.49	Peak	304.00	150	Horizontal	Pass
2**	2389.950	51.13	-0.59	54.0	2.87	AV	304.00	150	Horizontal	Pass

802.11n40 Channel 9



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	69.26	-0.05	74.0	4.74	Peak	152.00	200	Horizontal	Pass
1**	2483.515	51.54	-0.05	54.0	2.46	AV	152.00	200	Horizontal	Pass
2	2483.785	69.60	-0.08	74.0	4.40	Peak	93.00	200	Horizontal	Pass
2**	2483.785	50.54	-0.08	54.0	3.46	AV	93.00	200	Horizontal	Pass

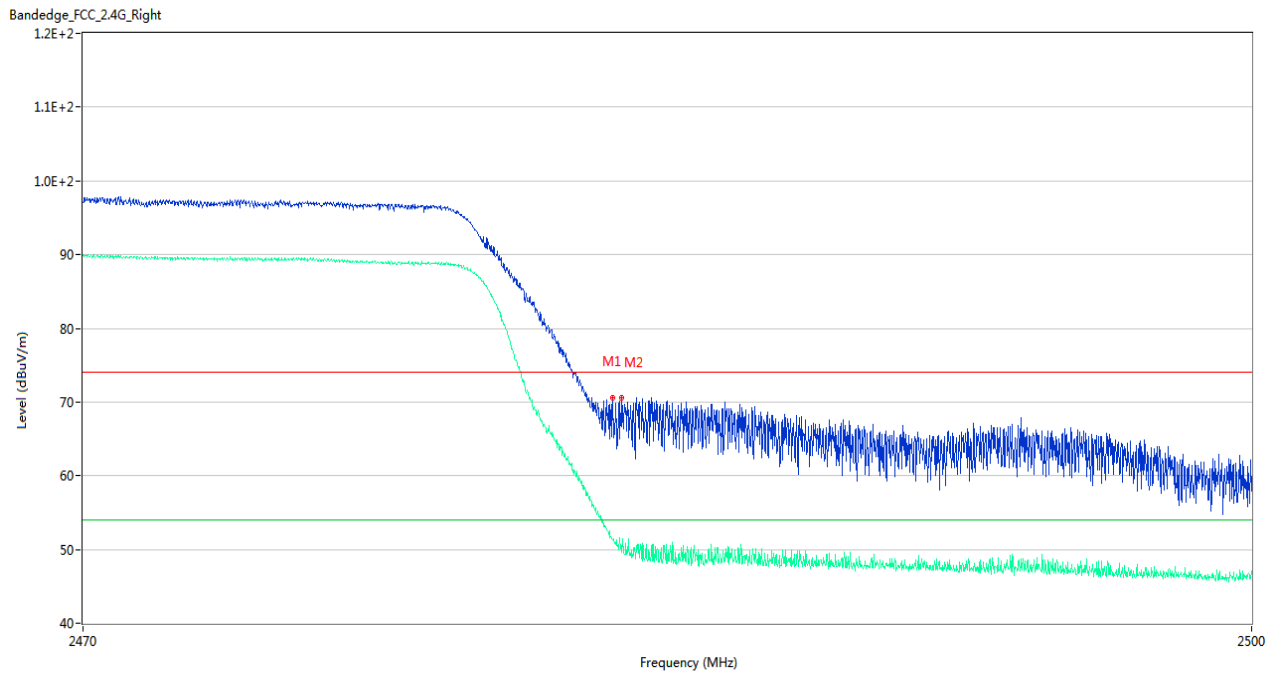
802.11n40 Channel 10



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	69.20	-0.05	74.0	4.80	Peak	152.00	150	Horizontal	Pass
1**	2483.530	51.64	-0.05	54.0	2.36	AV	152.00	150	Horizontal	Pass
2	2489.110	69.68	-0.10	74.0	4.32	Peak	92.00	100	Horizontal	Pass
2**	2489.110	50.11	-0.10	54.0	3.89	AV	92.00	100	Horizontal	Pass



802.11n40 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	70.55	-0.06	74.0	3.45	Peak	90.00	200	Horizontal	Pass
1**	2483.545	51.33	-0.06	54.0	2.67	AV	90.00	200	Horizontal	Pass
2	2483.785	70.59	-0.08	74.0	3.41	Peak	93.00	200	Horizontal	Pass
2**	2483.785	49.67	-0.08	54.0	4.33	AV	93.00	200	Horizontal	Pass

## A.8 Power Spectral Density (PSD)

### Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-18.97	8
CH6	-20.15	8
CH11	-20.47	8
CH12	-20.72	8
CH13	-30.54	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-21.10	8
CH6	-18.28	8
CH11	-19.71	8
CH12	-23.81	8
CH13	-24.91	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-22.20	8
CH6	-18.48	8
CH11	-20.17	8
CH12	-18.63	8
CH13	-24.20	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH3	-27.48	8
CH6	-21.11	8
CH9	-25.15	8
CH10	-25.17	8
CH11	-27.27	8

Test Plots

802.11b CHANNEL 1



802.11b CHANNEL 6



802.11b CHANNEL 11



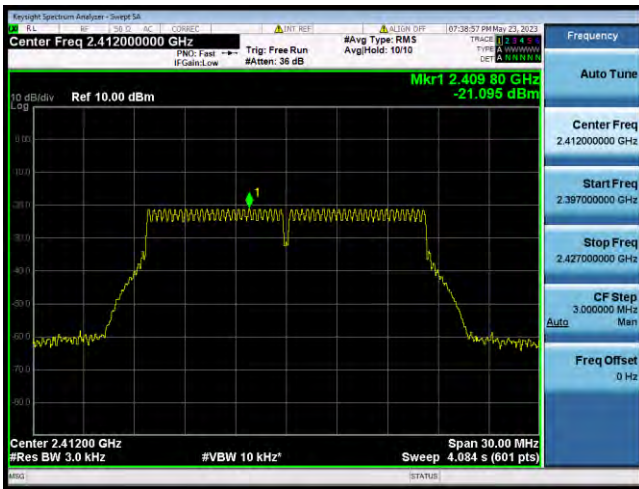
802.11b CHANNEL 12



802.11b CHANNEL 13



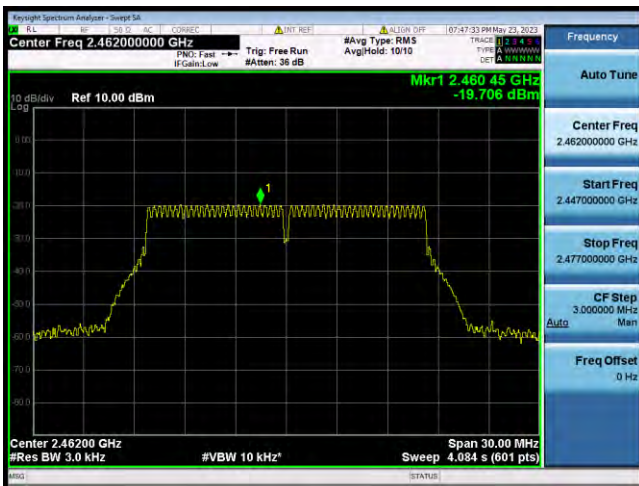
802.11g CHANNEL 1



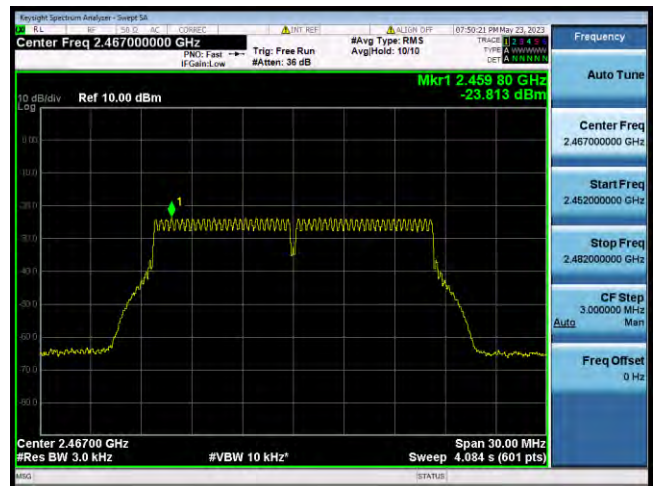
802.11g CHANNEL 6



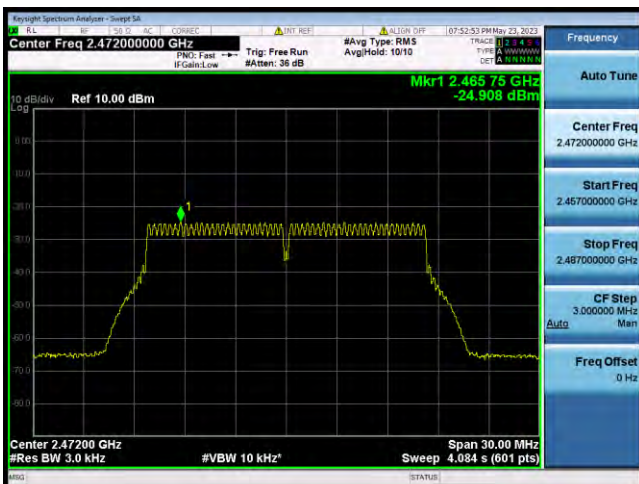
802.11g CHANNEL 11



802.11g CHANNEL 12

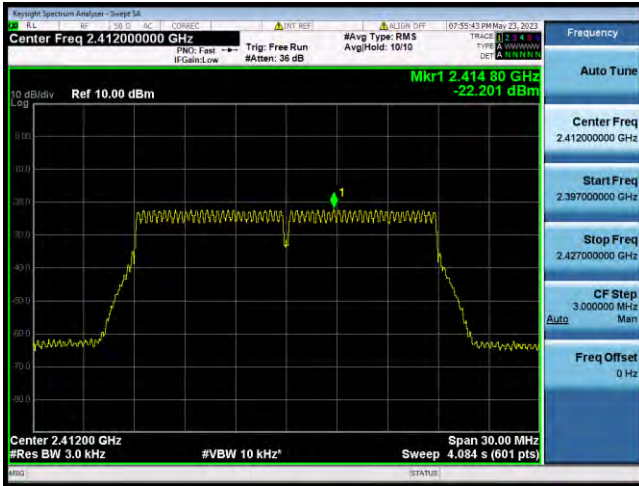


802.11g CHANNEL 13

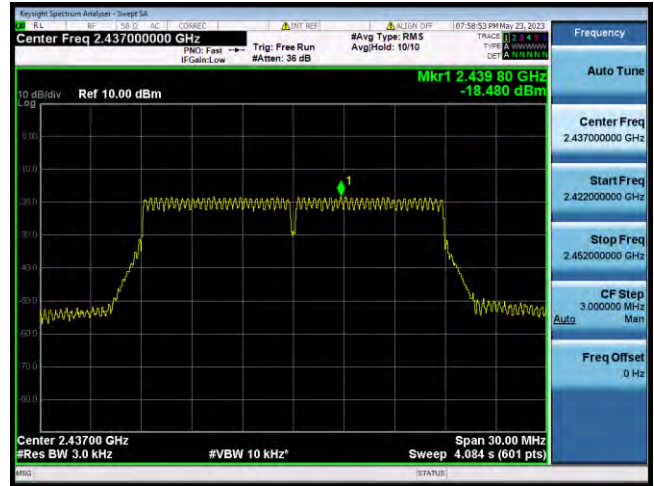




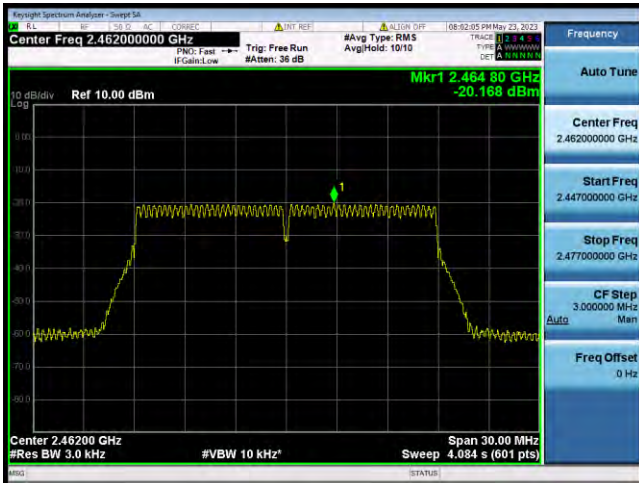
802.11n-20 MHz CHANNEL 1



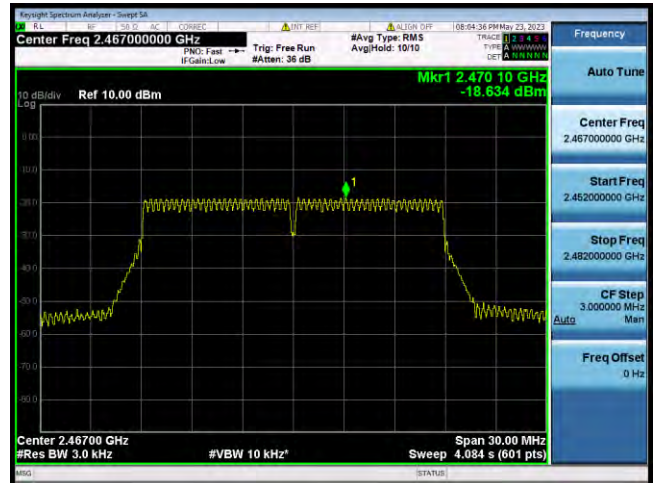
802.11n-20 MHz CHANNEL 6



802.11n-20 MHz CHANNEL 11



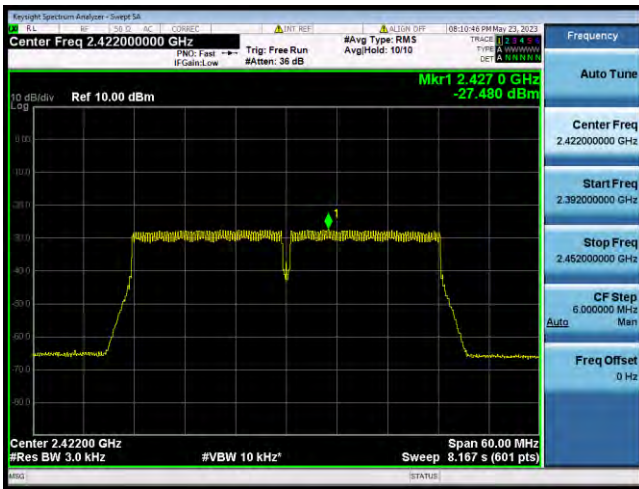
802.11n-20 MHz CHANNEL 12



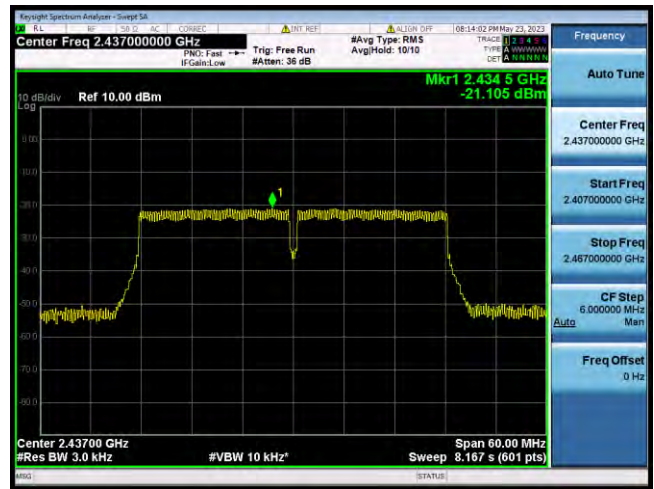
802.11n-20 MHz CHANNEL 13



802.11n-40 MHz CHANNEL 3



802.11n-40 MHz CHANNEL 6



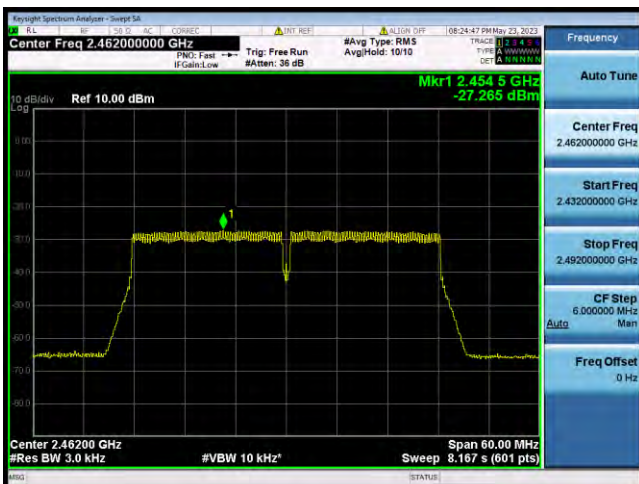
802.11n-40 MHz CHANNEL 9



802.11n-40 MHz CHANNEL 10



802.11n-40 MHz CHANNEL 11





## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2350589-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2350589-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2350589-AI.PDF”.

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--END OF REPORT--