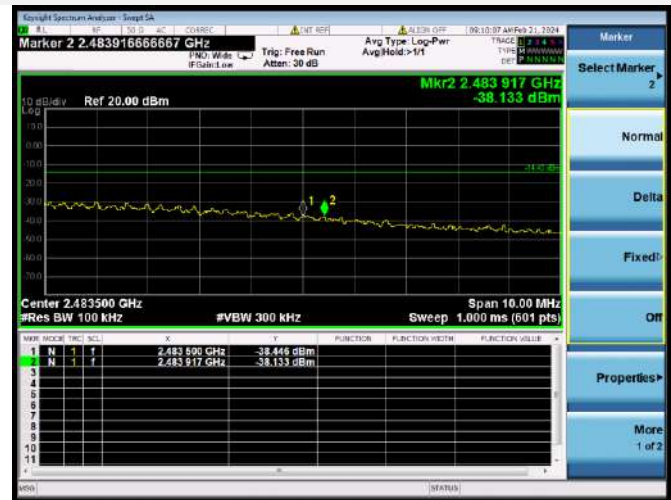


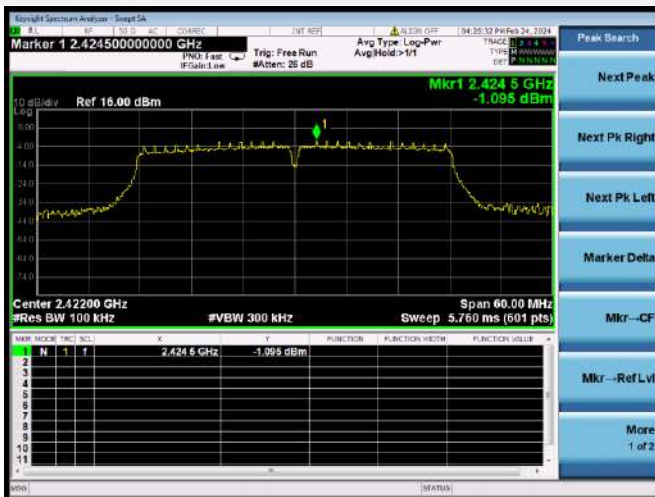
## 802.11n-20 MHz CHANNEL 11, CARRIER LEVEL



## 802.11n-20 MHz CHANNEL 11, BAND EDGE



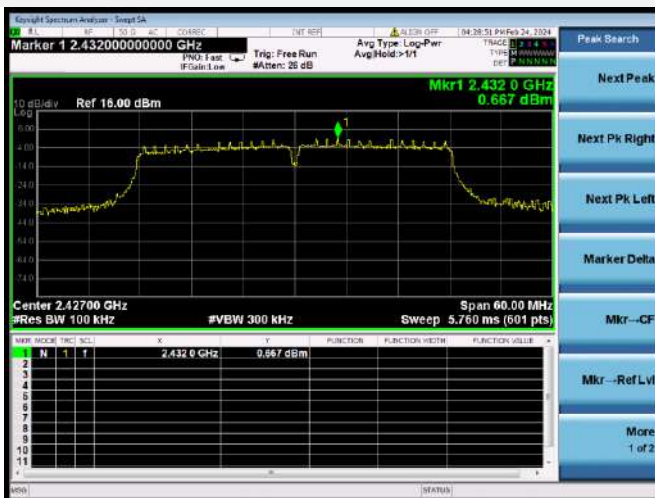
## 802.11n-40 MHz CHANNEL 3, CARRIER LEVEL



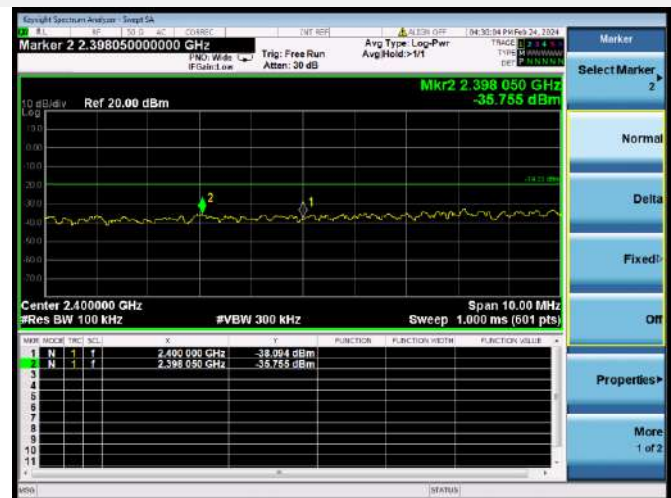
## 802.11n-40 MHz CHANNEL 3, BAND EDGE



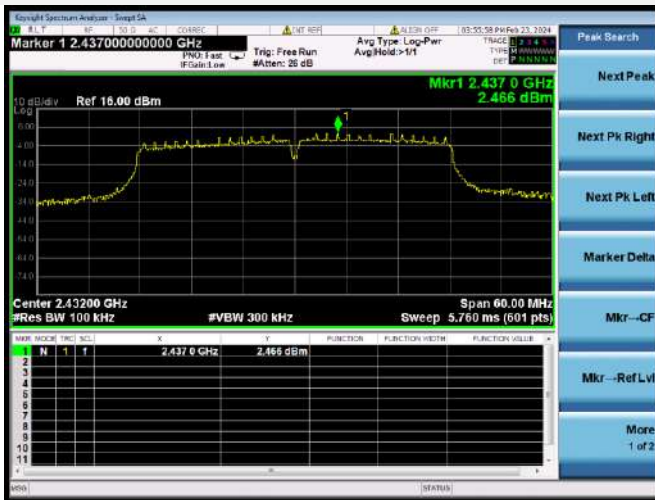
## 802.11n-40 MHz CHANNEL 4, CARRIER LEVEL



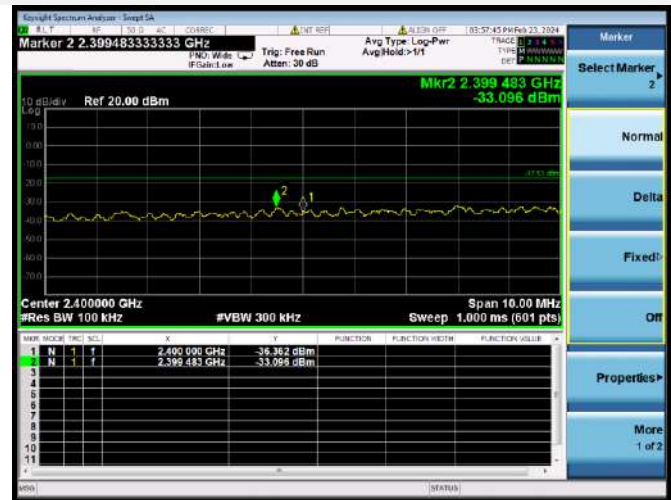
## 802.11n-40 MHz CHANNEL 4, BAND EDGE



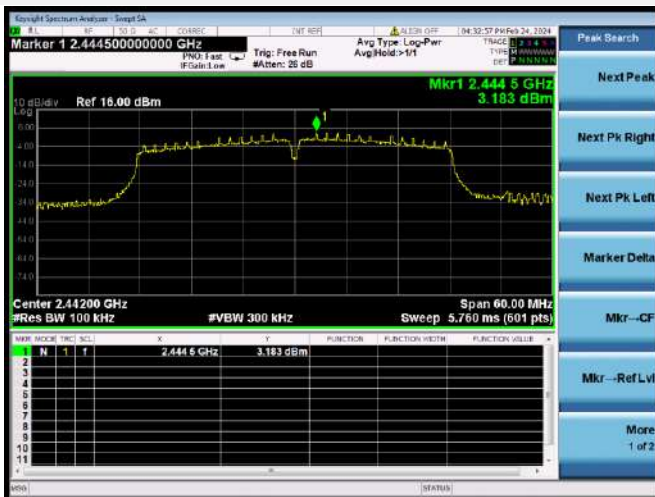
## 802.11n-40 MHz CHANNEL 5, CARRIER LEVEL



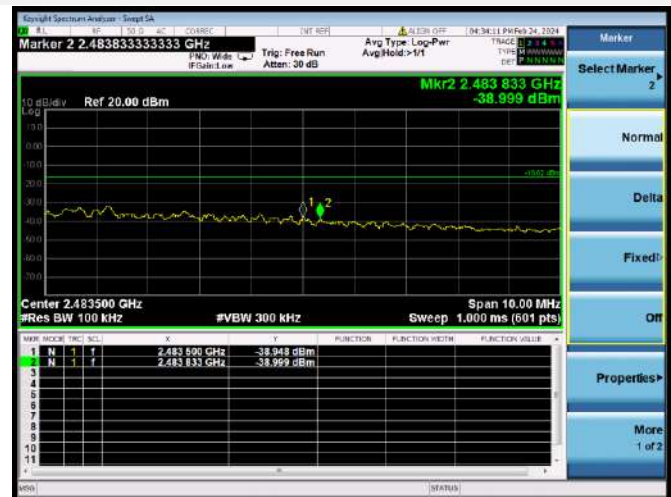
## 802.11n-40 MHz CHANNEL 5, BAND EDGE



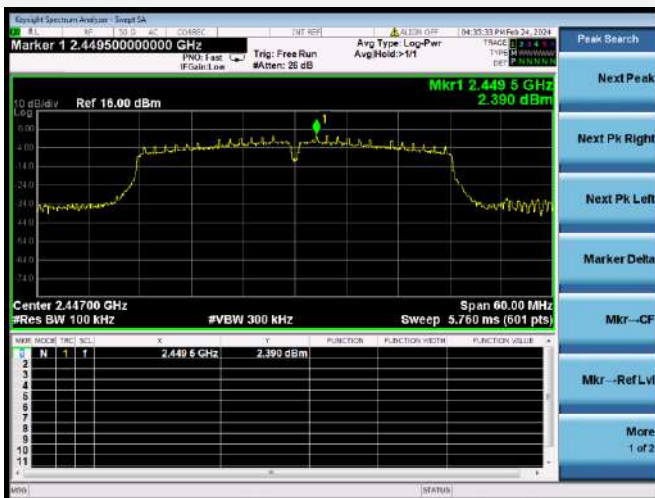
## 802.11n-40 MHz CHANNEL 7, CARRIER LEVEL



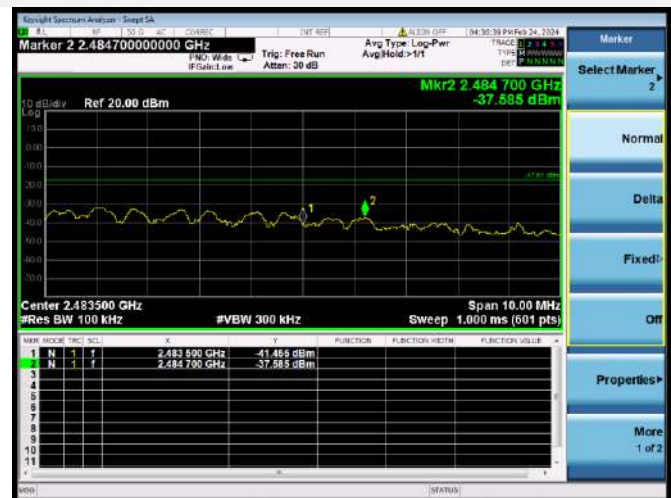
## 802.11n-40 MHz CHANNEL 7, BAND EDGE



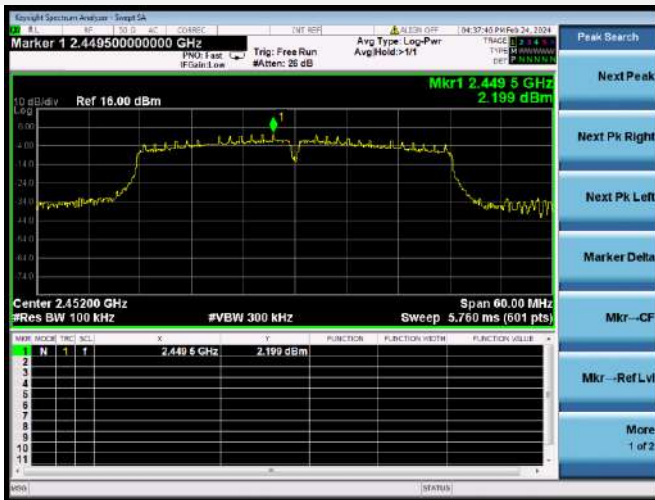
## 802.11n-40 MHz CHANNEL 8, CARRIER LEVEL



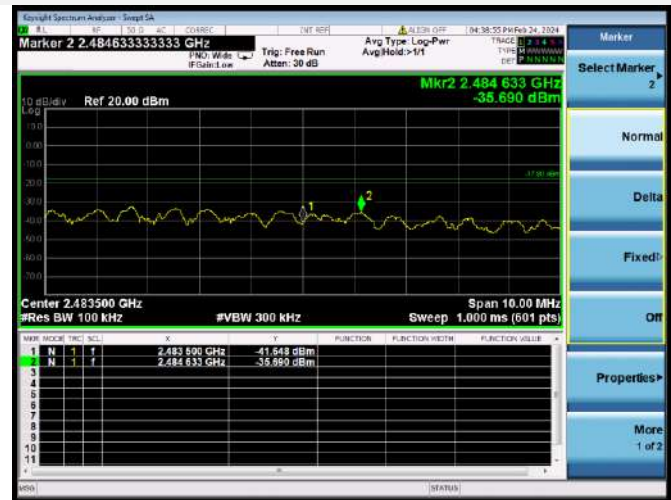
## 802.11n-40 MHz CHANNEL 8, BAND EDGE



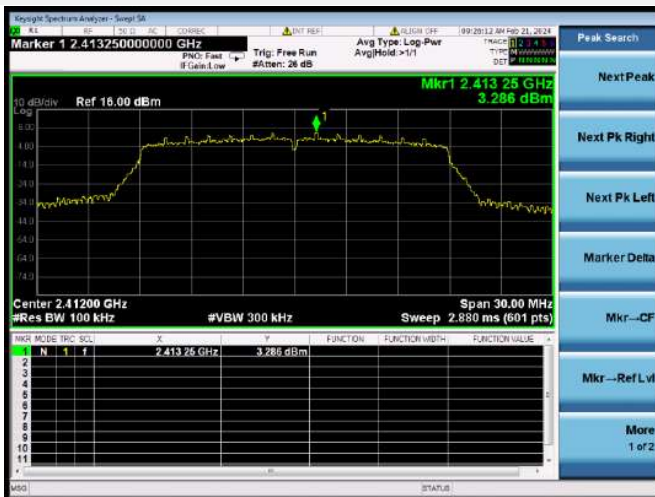
## 802.11n-40 MHz CHANNEL 9, CARRIER LEVEL



## 802.11n-40 MHz CHANNEL 9, BAND EDGE



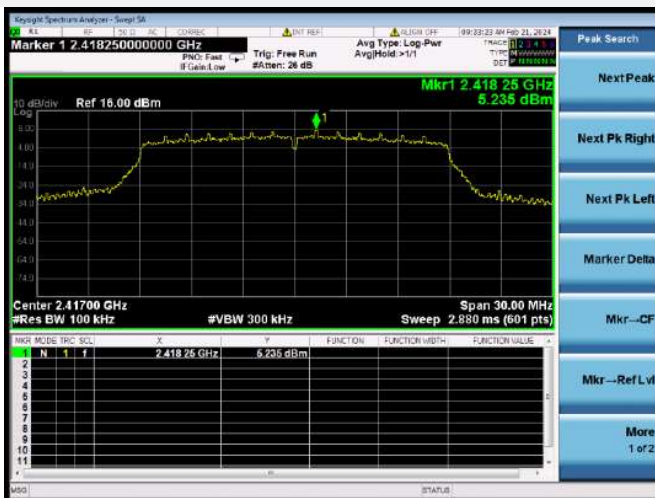
## VHT20 MHz CHANNEL 1, CARRIER LEVEL



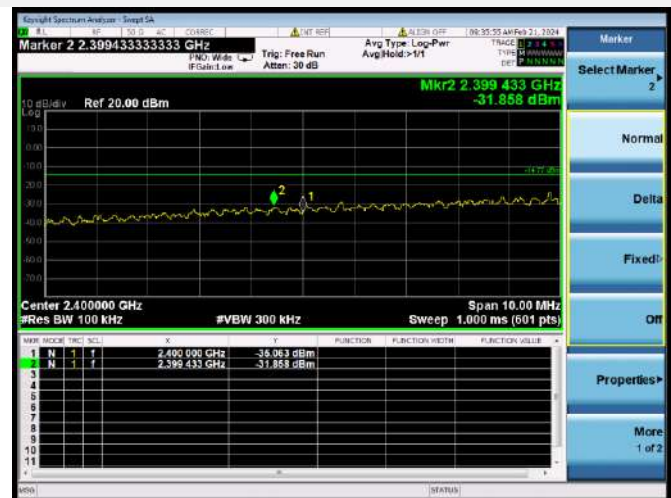
## VHT20 MHz CHANNEL 1, BAND EDGE



## VHT20 MHz CHANNEL 2, CARRIER LEVEL



## VHT20 MHz CHANNEL 2, BAND EDGE

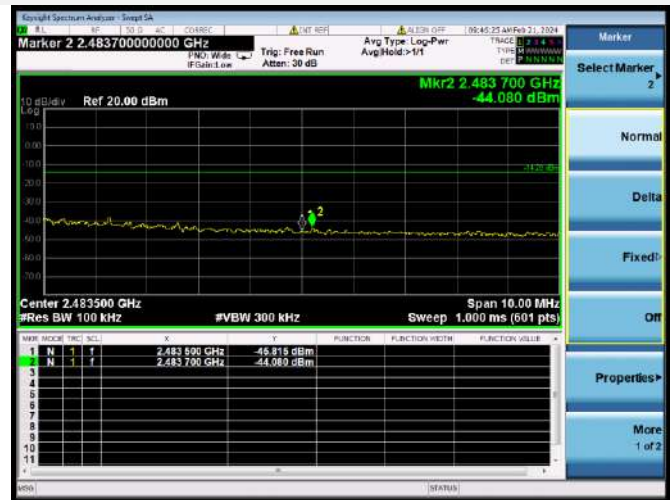




## VHT20 MHz CHANNEL 10, CARRIER LEVEL



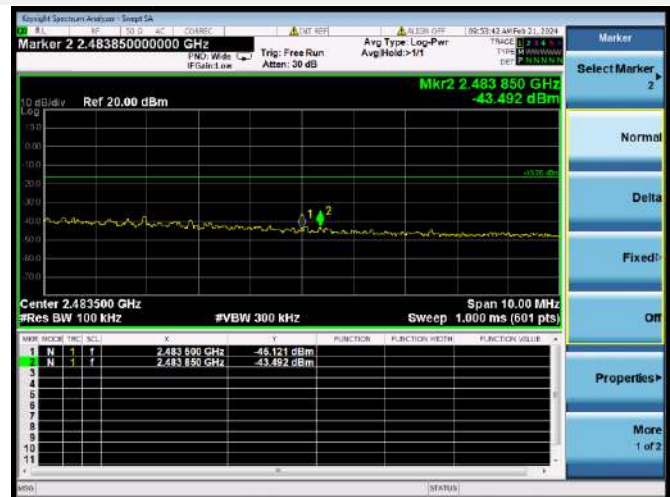
## VHT20 MHz CHANNEL 10, BAND EDGE



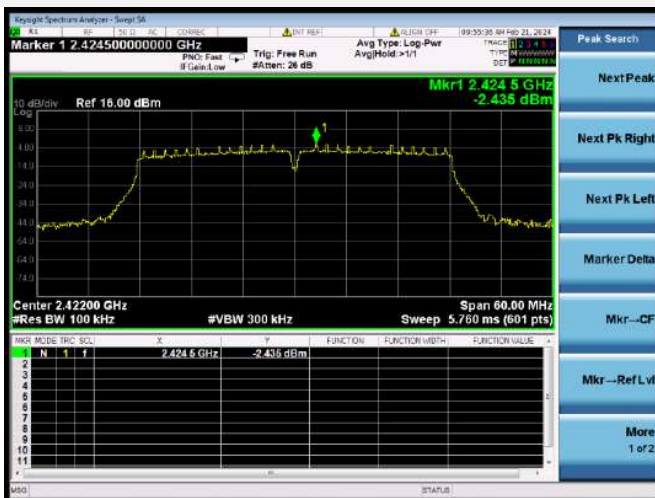
## VHT20 MHz CHANNEL 11, CARRIER LEVEL



## VHT20 MHz CHANNEL 11, BAND EDGE



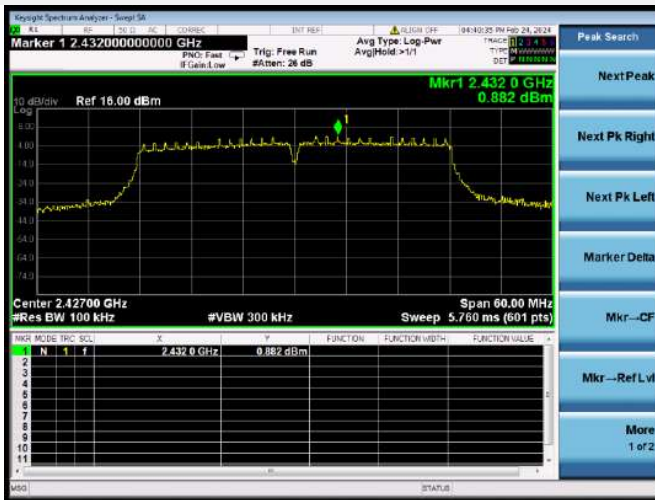
## VHT40 MHz CHANNEL 3, CARRIER LEVEL



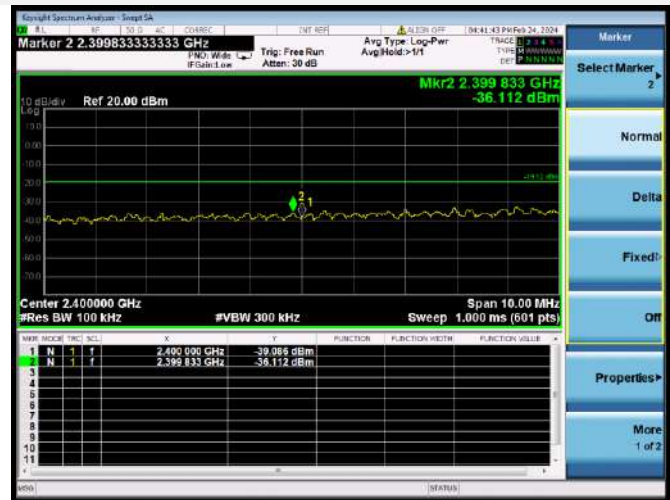
## VHT40 MHz CHANNEL 3, BAND EDGE



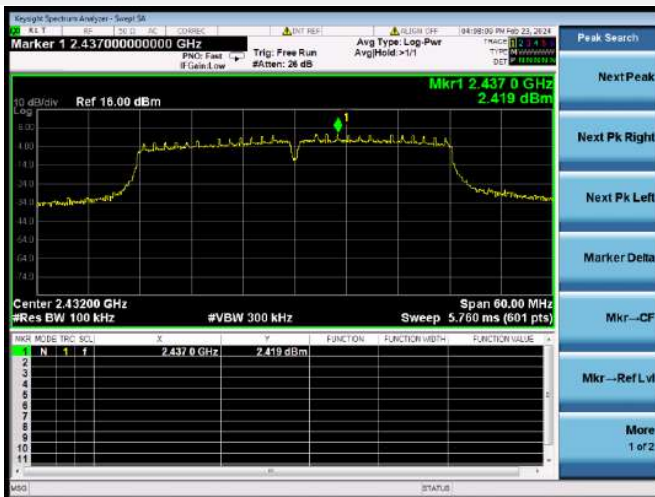
## VHT40 MHz CHANNEL 4, CARRIER LEVEL



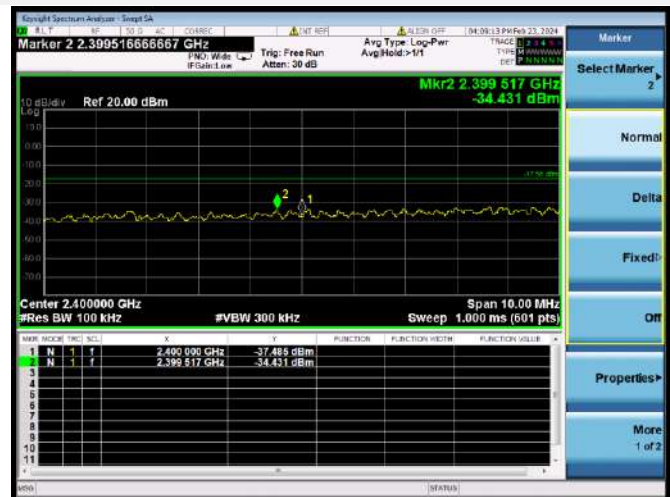
## VHT40 MHz CHANNEL 4, BAND EDGE



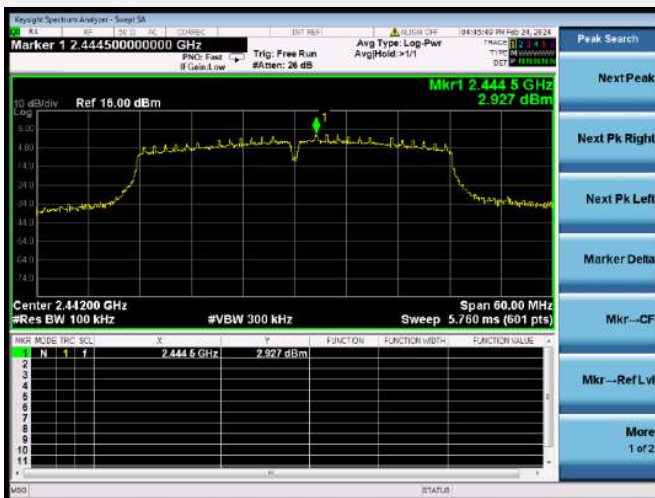
## VHT40 MHz CHANNEL 5, CARRIER LEVEL



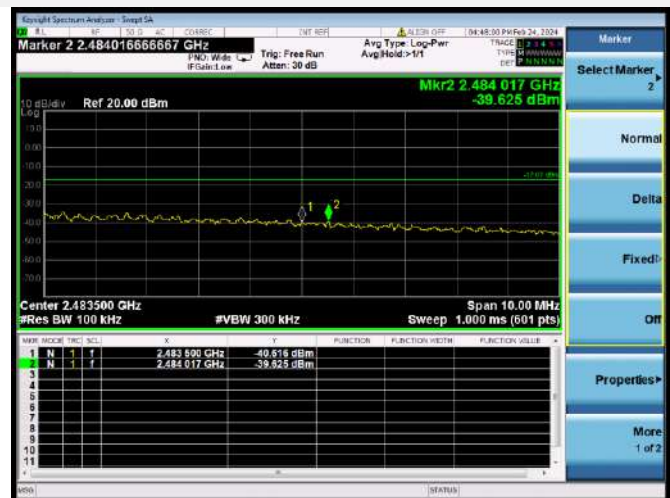
## VHT40 MHz CHANNEL 5, BAND EDGE



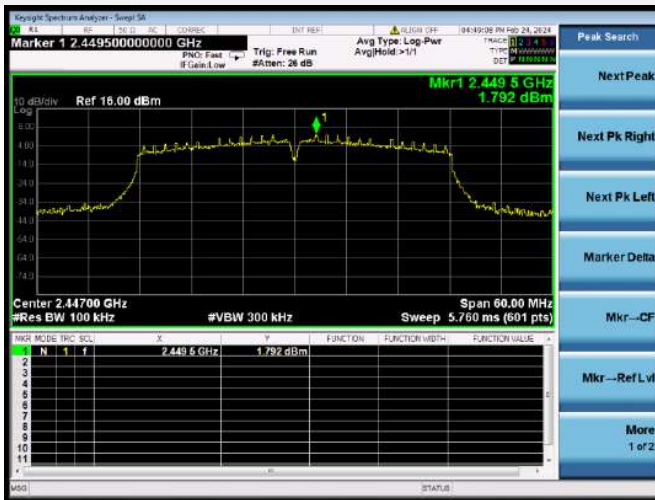
## VHT40 MHz CHANNEL 7, CARRIER LEVEL



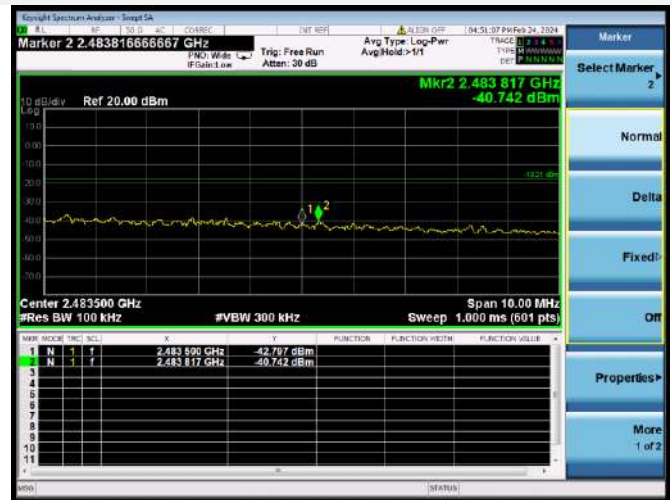
## VHT40 MHz CHANNEL 7, BAND EDGE



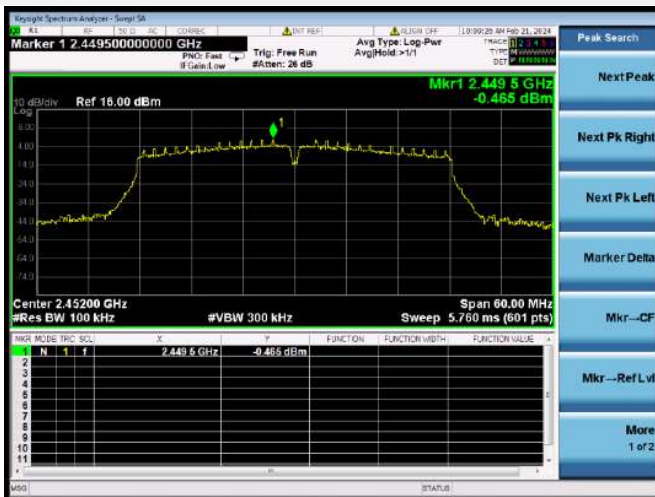
## VHT40 MHz CHANNEL 8, CARRIER LEVEL



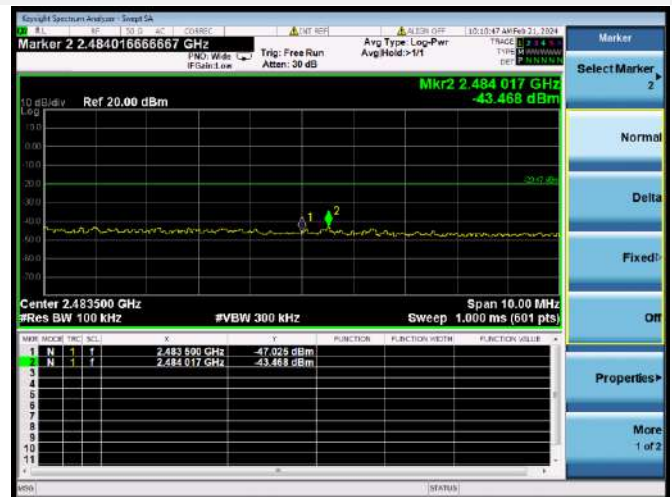
## VHT40 MHz CHANNEL 8, BAND EDGE



## VHT40 MHz CHANNEL 9, CARRIER LEVEL



## VHT40 MHz CHANNEL 9, BAND EDGE





## A.5 Conducted Emissions

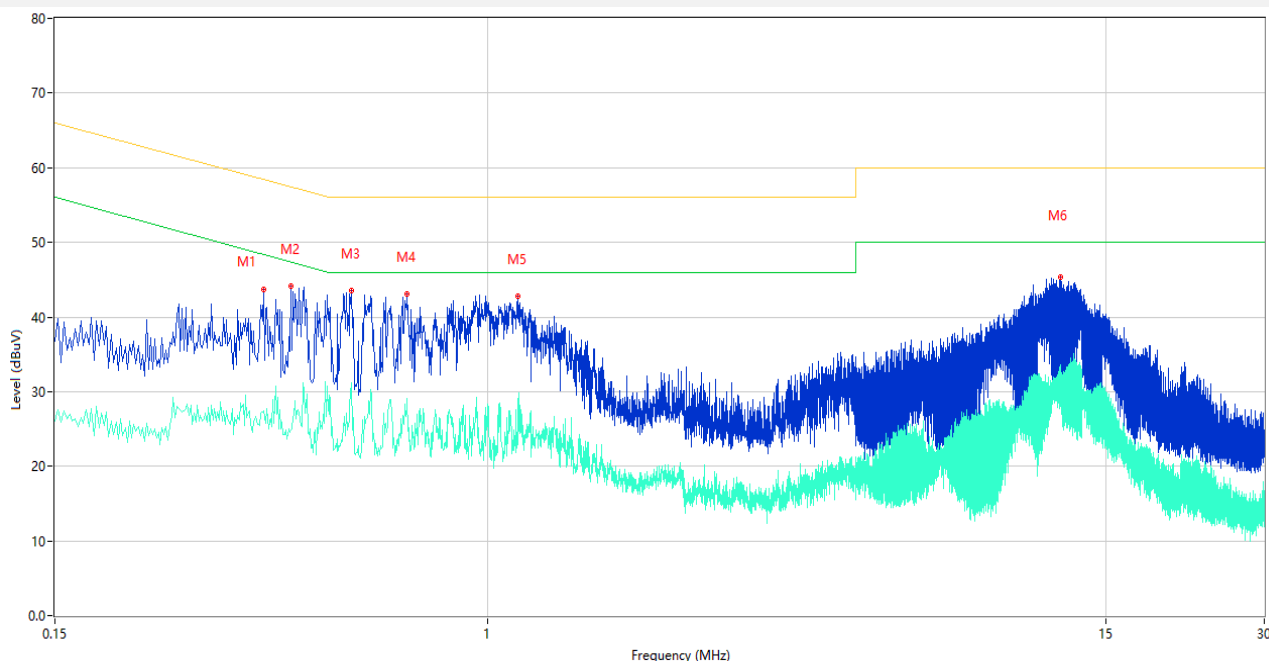
Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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.

Note<sup>3</sup>: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB).

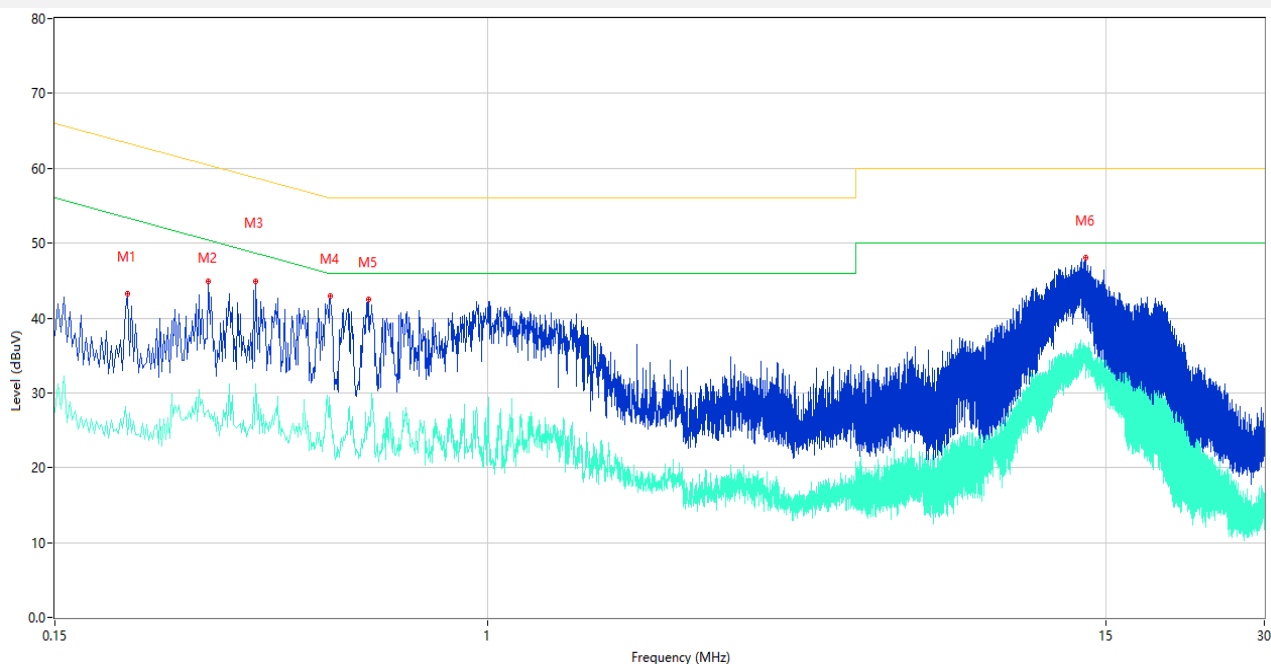
### Test Data and Plots

#### PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.374	43.74	9.66	58.41	14.67	Peak	L	Pass
1**	0.374	27.50	9.66	48.41	20.91	AV	L	Pass
2	0.422	44.09	9.98	57.41	13.32	Peak	L	Pass
2**	0.422	24.84	9.98	47.41	22.57	AV	L	Pass
3	0.550	43.53	9.81	56.00	12.47	Peak	L	Pass
3**	0.550	31.19	9.81	46.00	14.81	AV	L	Pass
4	0.702	43.06	10.05	56.00	12.94	Peak	L	Pass
4**	0.702	29.08	10.05	46.00	16.92	AV	L	Pass
5	1.142	42.75	9.60	56.00	13.25	Peak	L	Pass
5**	1.142	28.28	9.60	46.00	17.72	AV	L	Pass
6	12.284	45.27	8.08	60.00	14.73	Peak	L	Pass
6**	12.284	32.66	8.08	50.00	17.34	AV	L	Pass

## PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.206	43.25	9.42	63.37	20.12	Peak	N	Pass
1**	0.206	24.43	9.42	53.37	28.94	AV	N	Pass
2	0.294	44.97	9.43	60.41	15.44	Peak	N	Pass
2**	0.294	27.66	9.43	50.41	22.75	AV	N	Pass
3	0.362	44.88	9.50	58.68	13.80	Peak	N	Pass
3**	0.362	31.12	9.50	48.68	17.56	AV	N	Pass
4	0.502	42.92	9.69	56.00	13.08	Peak	N	Pass
4**	0.502	27.48	9.69	46.00	18.52	AV	N	Pass
5	0.594	42.42	9.99	56.00	13.58	Peak	N	Pass
5**	0.594	26.80	9.99	46.00	19.20	AV	N	Pass
6	13.724	48.00	7.88	60.00	12.00	Peak	N	Pass
6**	13.724	35.82	7.88	50.00	14.18	AV	N	Pass



## A.6 Radiated Emission

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

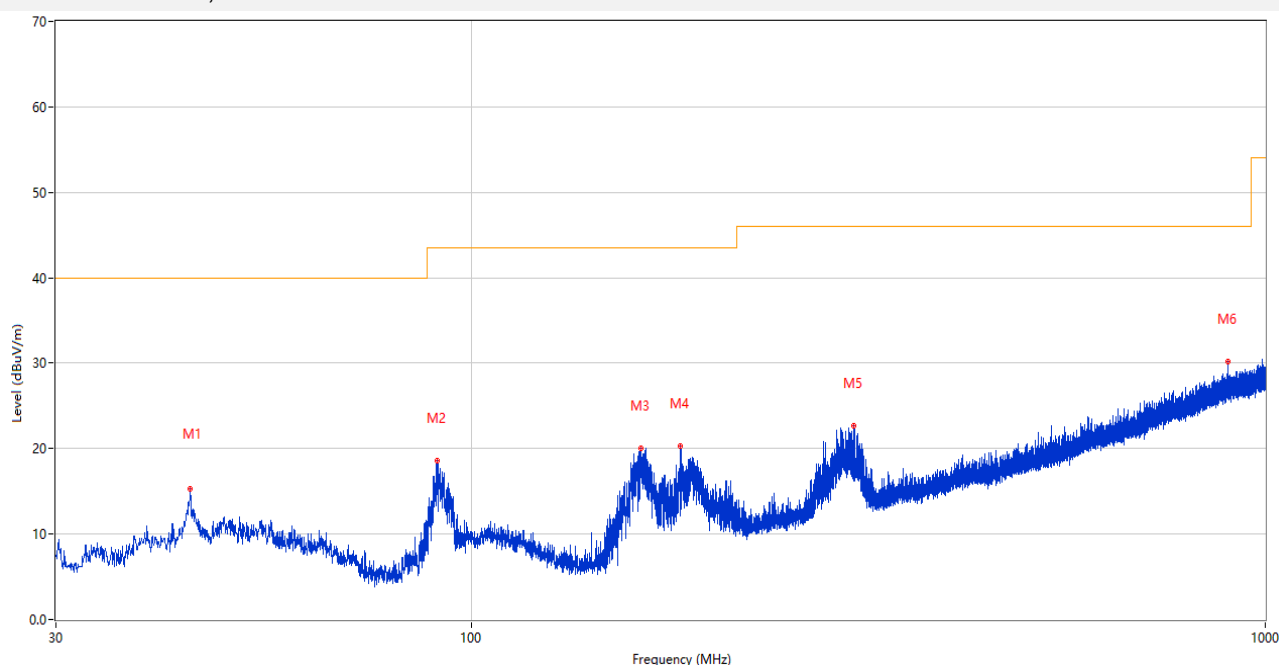
Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

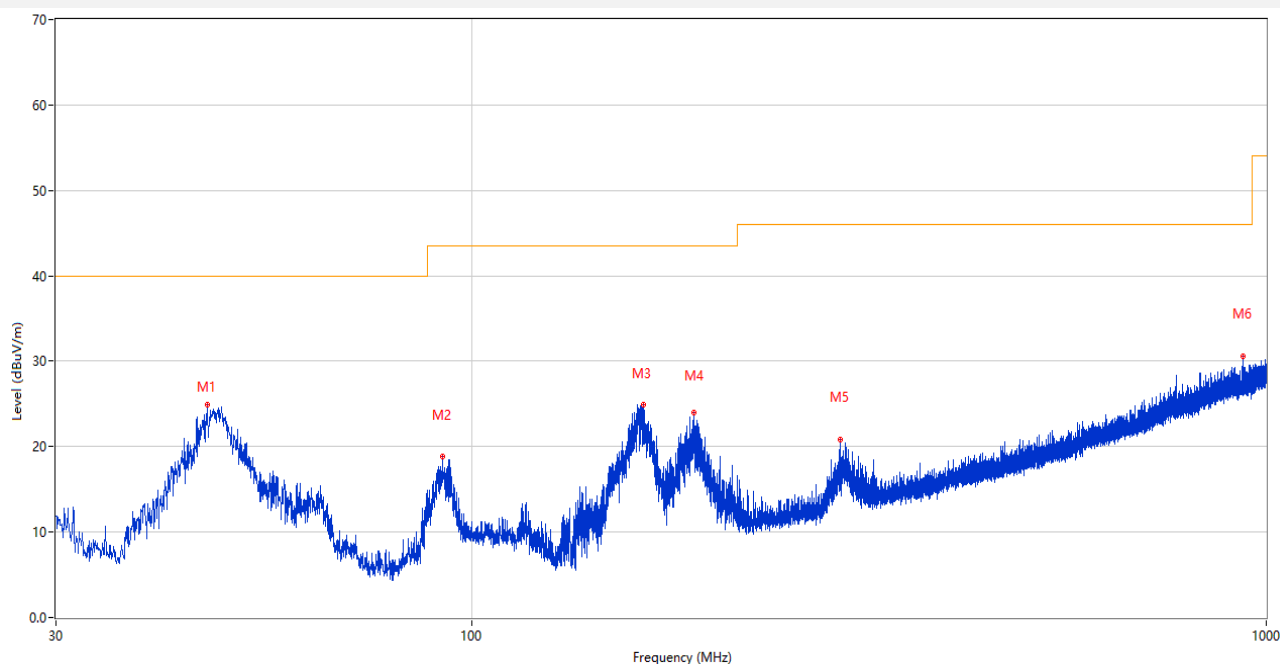
### Test Data and Plots

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	44.307	15.33	-25.73	40.0	24.67	Peak	119.00	100	Horizontal	Pass
2	90.722	18.59	-28.36	43.5	24.91	Peak	183.00	200	Horizontal	Pass
3	163.617	20.05	-29.43	43.5	23.45	Peak	243.00	200	Horizontal	Pass
4	183.502	20.30	-28.15	43.5	23.20	Peak	350.00	200	Horizontal	Pass
5	303.540	22.71	-23.68	46.0	23.29	Peak	151.00	100	Horizontal	Pass
6	898.344	30.20	-9.79	46.0	15.80	Peak	144.00	200	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	46.490	24.86	-25.56	40.0	15.14	Peak	18.00	100	Vertical	Pass
2	92.032	18.79	-28.08	43.5	24.71	Peak	257.00	100	Vertical	Pass
3	164.587	24.93	-29.33	43.5	18.57	Peak	354.00	100	Vertical	Pass
4	190.244	23.97	-27.39	43.5	19.53	Peak	303.00	100	Vertical	Pass
5	290.978	20.85	-23.90	46.0	25.15	Peak	13.00	100	Vertical	Pass
6	933.749	30.54	-9.47	46.0	15.46	Peak	294.00	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	1558.000	40.00	-16.99	74.0	34.00	Peak	163.00	200	Horizontal	Pass
1**	1558.000	29.22	-16.99	54.0	24.78	AV	163.00	200	Horizontal	Pass
2	2413.200	105.58	-10.74	74.0	-31.58	Peak	72.00	100	Horizontal	N/A
2**	2413.200	102.50	-10.74	54.0	-48.50	AV	72.00	100	Horizontal	N/A
3	4823.800	55.82	-1.95	74.0	18.18	Peak	192.00	150	Horizontal	Pass
3**	4823.800	49.71	-1.95	54.0	4.29	AV	192.00	150	Horizontal	Pass
4	4824.200	54.14	-2.04	74.0	19.86	Peak	181.00	150	Horizontal	Pass
4**	4824.200	51.10	-2.04	54.0	2.90	AV	181.00	150	Horizontal	Pass
5	12906.188	54.13	1.43	74.0	19.87	Peak	171.00	100	Horizontal	Pass
5**	12906.188	44.00	1.43	54.0	10.00	AV	171.00	100	Horizontal	Pass
6	17412.526	56.96	3.54	74.0	17.04	Peak	290.00	400	Horizontal	Pass
6**	17412.526	47.55	3.54	54.0	6.45	AV	290.00	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	1489.000	40.02	-16.76	74.0	33.98	Peak	27.00	400	Vertical	Pass
1**	1489.000	30.02	-16.76	54.0	23.98	AV	27.00	400	Vertical	Pass
2	2410.800	99.04	-10.57	74.0	-25.04	Peak	141.00	150	Vertical	N/A
2**	2410.800	96.14	-10.57	54.0	-42.14	AV	141.00	150	Vertical	N/A
3	4824.200	53.64	-2.04	74.0	20.36	Peak	0.00	150	Vertical	Pass
3**	4824.200	48.75	-2.04	54.0	5.25	AV	0.00	150	Vertical	Pass
4	6611.000	54.81	0.76	74.0	19.19	Peak	32.00	300	Vertical	Pass
4**	6611.000	45.72	0.76	54.0	8.28	AV	32.00	300	Vertical	Pass
5	12787.800	53.90	1.21	74.0	20.10	Peak	254.00	200	Vertical	Pass
5**	12787.800	44.00	1.21	54.0	10.00	AV	254.00	200	Vertical	Pass
6	15813.900	56.52	2.08	74.0	17.48	Peak	234.00	300	Vertical	Pass
6**	15813.900	47.42	2.08	54.0	6.58	AV	234.00	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	2438.400	107.92	-9.92	74.0	-33.92	Peak	100.00	200	Horizontal	N/A
1**	2438.400	105.10	-9.92	54.0	-51.10	AV	100.00	200	Horizontal	N/A
2	4874.000	53.69	-3.49	74.0	20.31	Peak	216.00	200	Horizontal	Pass
2**	4874.000	50.57	-3.49	54.0	3.43	AV	216.00	200	Horizontal	Pass
3	4874.250	52.93	-3.45	74.0	21.07	Peak	238.00	200	Horizontal	Pass
3**	4874.250	51.42	-3.45	54.0	2.58	AV	238.00	200	Horizontal	Pass
4	7709.000	53.66	1.89	74.0	20.34	Peak	343.00	200	Horizontal	Pass
4**	7709.000	44.02	1.89	54.0	9.98	AV	343.00	200	Horizontal	Pass
5	12984.412	52.74	1.90	74.0	21.26	Peak	277.00	100	Horizontal	Pass
5**	12984.412	42.90	1.90	54.0	11.10	AV	277.00	100	Horizontal	Pass
6	17458.463	55.43	5.41	74.0	18.57	Peak	131.00	100	Horizontal	Pass
6**	17458.463	46.60	5.41	54.0	7.40	AV	131.00	100	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	1453.400	42.39	-16.92	74.0	31.61	Peak	183.00	100	Vertical	Pass
1**	1453.400	33.13	-16.92	54.0	20.87	AV	183.00	100	Vertical	Pass
2	2438.400	97.89	-9.92	74.0	-23.89	Peak	349.00	100	Vertical	N/A
2**	2438.400	95.03	-9.92	54.0	-41.03	AV	349.00	100	Vertical	N/A
3	4874.000	50.88	-3.49	74.0	23.12	Peak	36.00	100	Vertical	Pass
3**	4874.000	47.28	-3.49	54.0	6.72	AV	36.00	100	Vertical	Pass
4	7711.500	54.09	1.98	74.0	19.91	Peak	98.00	400	Vertical	Pass
4**	7711.500	44.82	1.98	54.0	9.18	AV	98.00	400	Vertical	Pass
5	12963.151	52.70	1.70	74.0	21.30	Peak	236.00	100	Vertical	Pass
5**	12963.151	43.75	1.70	54.0	10.25	AV	236.00	100	Vertical	Pass
6	17452.950	55.66	5.51	74.0	18.34	Peak	0.00	200	Vertical	Pass
6**	17452.950	46.79	5.51	54.0	7.21	AV	0.00	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	2460.700	107.37	-11.30	74.0	-33.37	Peak	98.00	200	Horizontal	N/A
1**	2460.700	104.55	-11.30	54.0	-50.55	AV	98.00	200	Horizontal	N/A
2	4924.000	52.87	-3.57	74.0	21.13	Peak	219.00	200	Horizontal	Pass
2**	4924.000	48.70	-3.57	54.0	5.30	AV	219.00	200	Horizontal	Pass
3	4924.250	52.37	-3.53	74.0	21.63	Peak	219.00	100	Horizontal	Pass
3**	4924.250	50.39	-3.53	54.0	3.61	AV	219.00	100	Horizontal	Pass
4	7704.750	53.64	2.00	74.0	20.36	Peak	260.00	200	Horizontal	Pass
4**	7704.750	44.70	2.00	54.0	9.30	AV	260.00	200	Horizontal	Pass
5	12745.012	52.97	0.98	74.0	21.03	Peak	160.00	400	Horizontal	Pass
5**	12745.012	43.57	0.98	54.0	10.43	AV	160.00	400	Horizontal	Pass
6	17398.874	55.10	5.37	74.0	18.90	Peak	87.00	300	Horizontal	Pass
6**	17398.874	45.92	5.37	54.0	8.08	AV	87.00	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	2460.800	97.06	-11.30	74.0	-23.06	Peak	329.00	200	Vertical	N/A
1**	2460.800	94.15	-11.30	54.0	-40.15	AV	329.00	200	Vertical	N/A
2	4924.000	50.59	-3.57	74.0	23.41	Peak	58.00	200	Vertical	Pass
2**	4924.000	45.00	-3.57	54.0	9.00	AV	58.00	200	Vertical	Pass
3	4924.250	49.05	-3.53	74.0	24.95	Peak	58.00	200	Vertical	Pass
3**	4924.250	46.13	-3.53	54.0	7.87	AV	58.00	200	Vertical	Pass
4	7704.750	54.07	2.00	74.0	19.93	Peak	360.00	100	Vertical	Pass
4**	7704.750	44.82	2.00	54.0	9.18	AV	360.00	100	Vertical	Pass
5	11662.012	52.83	-1.15	74.0	21.17	Peak	57.00	200	Vertical	Pass
5**	11662.012	42.09	-1.15	54.0	11.91	AV	57.00	200	Vertical	Pass
6	16863.113	55.56	3.34	74.0	18.44	Peak	353.00	400	Vertical	Pass
6**	16863.113	45.91	3.34	54.0	8.09	AV	353.00	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	1564.400	39.46	-17.31	74.0	34.54	Peak	296.00	400	Horizontal	Pass
1**	1564.400	29.44	-17.31	54.0	24.56	AV	296.00	400	Horizontal	Pass
2	2409.900	107.65	-10.48	74.0	-33.65	Peak	66.00	100	Horizontal	N/A
2**	2409.900	100.27	-10.48	54.0	-46.27	AV	66.00	100	Horizontal	N/A
3	4977.400	52.02	-1.73	74.0	21.98	Peak	197.00	200	Horizontal	Pass
3**	4977.400	42.51	-1.73	54.0	11.49	AV	197.00	200	Horizontal	Pass
4	6609.200	55.11	0.39	74.0	18.89	Peak	124.00	200	Horizontal	Pass
4**	6609.200	45.48	0.39	54.0	8.52	AV	124.00	200	Horizontal	Pass
5	12906.974	53.77	1.42	74.0	20.23	Peak	188.00	400	Horizontal	Pass
5**	12906.974	44.66	1.42	54.0	9.34	AV	188.00	400	Horizontal	Pass
6	17472.113	56.18	2.87	74.0	17.82	Peak	36.00	400	Horizontal	Pass
6**	17472.113	47.36	2.87	54.0	6.64	AV	36.00	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	1528.900	39.28	-17.08	74.0	34.72	Peak	274.00	100	Vertical	Pass
1**	1528.900	29.71	-17.08	54.0	24.29	AV	274.00	100	Vertical	Pass
2	2410.900	99.81	-10.58	74.0	-25.81	Peak	138.00	200	Vertical	N/A
2**	2410.900	92.39	-10.58	54.0	-38.39	AV	138.00	200	Vertical	N/A
3	4940.600	51.83	-1.93	74.0	22.17	Peak	334.00	150	Vertical	Pass
3**	4940.600	43.00	-1.93	54.0	11.00	AV	334.00	150	Vertical	Pass
4	6803.000	55.01	1.57	74.0	18.99	Peak	63.00	400	Vertical	Pass
4**	6803.000	45.91	1.57	54.0	8.09	AV	63.00	400	Vertical	Pass
5	12820.612	53.32	0.93	74.0	20.68	Peak	0.00	300	Vertical	Pass
5**	12820.612	44.49	0.93	54.0	9.51	AV	0.00	300	Vertical	Pass
6	15231.674	56.15	0.94	74.0	17.85	Peak	272.00	400	Vertical	Pass
6**	15231.674	47.52	0.94	54.0	6.48	AV	272.00	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	1586.300	39.97	-16.88	74.0	34.03	Peak	114.00	400	Horizontal	Pass
1**	1586.300	30.77	-16.88	54.0	23.23	AV	114.00	400	Horizontal	Pass
2	2440.200	106.04	-12.39	74.0	-32.04	Peak	79.00	200	Horizontal	N/A
2**	2440.200	98.89	-12.39	54.0	-44.89	AV	79.00	200	Horizontal	N/A
3	4958.800	52.01	-2.31	74.0	21.99	Peak	216.00	200	Horizontal	Pass
3**	4958.800	41.76	-2.31	54.0	12.24	AV	216.00	200	Horizontal	Pass
4	6806.400	54.40	2.33	74.0	19.60	Peak	309.00	300	Horizontal	Pass
4**	6806.400	46.15	2.33	54.0	7.85	AV	309.00	300	Horizontal	Pass
5	12851.325	53.41	1.38	74.0	20.59	Peak	6.00	300	Horizontal	Pass
5**	12851.325	44.54	1.38	54.0	9.46	AV	6.00	300	Horizontal	Pass
6	15847.500	57.25	1.35	74.0	16.75	Peak	24.00	200	Horizontal	Pass
6**	15847.500	47.13	1.35	54.0	6.87	AV	24.00	200	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	1584.700	39.80	-16.91	74.0	34.20	Peak	305.00	200	Vertical	Pass
1**	1584.700	29.62	-16.91	54.0	24.38	AV	305.00	200	Vertical	Pass
2	2435.000	98.34	-12.17	74.0	-24.34	Peak	346.00	200	Vertical	N/A
2**	2435.000	90.46	-12.17	54.0	-36.46	AV	346.00	200	Vertical	N/A
3	4778.200	51.70	-2.56	74.0	22.30	Peak	111.00	100	Vertical	Pass
3**	4778.200	42.15	-2.56	54.0	11.85	AV	111.00	100	Vertical	Pass
4	6608.600	54.60	0.27	74.0	19.40	Peak	175.00	200	Vertical	Pass
4**	6608.600	45.53	0.27	54.0	8.47	AV	175.00	200	Vertical	Pass
5	12811.425	53.80	0.85	74.0	20.20	Peak	0.00	100	Vertical	Pass
5**	12811.425	44.98	0.85	54.0	9.02	AV	0.00	100	Vertical	Pass
6	17389.687	56.61	2.86	74.0	17.39	Peak	0.00	400	Vertical	Pass
6**	17389.687	46.72	2.86	54.0	7.28	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1302.900	39.37	-17.06	74.0	34.63	Peak	285.00	200	Horizontal	Pass
1**	1302.900	29.27	-17.06	54.0	24.73	AV	285.00	200	Horizontal	Pass
2	2454.800	105.97	-12.13	74.0	-31.97	Peak	68.00	150	Horizontal	N/A
2**	2454.800	98.83	-12.13	54.0	-44.83	AV	68.00	150	Horizontal	N/A
3	4479.200	50.16	-4.14	74.0	23.84	Peak	358.00	150	Horizontal	Pass
3**	4479.200	40.74	-4.14	54.0	13.26	AV	358.00	150	Horizontal	Pass
4	6806.200	54.66	2.26	74.0	19.34	Peak	91.00	200	Horizontal	Pass
4**	6806.200	46.14	2.26	54.0	7.86	AV	91.00	200	Horizontal	Pass
5	12738.213	53.78	1.30	74.0	20.22	Peak	313.00	300	Horizontal	Pass
5**	12738.213	43.19	1.30	54.0	10.81	AV	313.00	300	Horizontal	Pass
6	17425.650	56.66	3.60	74.0	17.34	Peak	342.00	200	Horizontal	Pass
6**	17425.650	46.34	3.60	54.0	7.66	AV	342.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.500	39.65	-17.01	74.0	34.35	Peak	198.00	200	Vertical	Pass
1**	1402.500	29.37	-17.01	54.0	24.63	AV	198.00	200	Vertical	Pass
2	2455.500	105.97	-12.13	74.0	-31.97	Peak	65.00	150	Vertical	N/A
2**	2455.500	99.19	-12.13	54.0	-45.19	AV	65.00	150	Vertical	N/A
3	4730.200	51.71	-3.20	74.0	22.29	Peak	38.00	150	Vertical	Pass
3**	4730.200	41.85	-3.20	54.0	12.15	AV	38.00	150	Vertical	Pass
4	6803.200	54.77	1.58	74.0	19.23	Peak	53.00	300	Vertical	Pass
4**	6803.200	45.46	1.58	54.0	8.54	AV	53.00	300	Vertical	Pass
5	12839.775	53.45	1.32	74.0	20.55	Peak	129.00	200	Vertical	Pass
5**	12839.775	44.80	1.32	54.0	9.20	AV	129.00	200	Vertical	Pass
6	17425.912	56.76	3.59	74.0	17.24	Peak	129.00	300	Vertical	Pass
6**	17425.912	46.84	3.59	54.0	7.16	AV	129.00	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	1533.500	39.44	-17.17	74.0	34.56	Peak	156.00	400	Horizontal	Pass
1**	1533.500	29.63	-17.17	54.0	24.37	AV	156.00	400	Horizontal	Pass
2	2459.300	105.57	-11.92	74.0	-31.57	Peak	68.00	100	Horizontal	N/A
2**	2459.300	97.98	-11.92	54.0	-43.98	AV	68.00	100	Horizontal	N/A
3	4649.400	50.88	-2.97	74.0	23.12	Peak	0.00	150	Horizontal	Pass
3**	4649.400	42.02	-2.97	54.0	11.98	AV	0.00	150	Horizontal	Pass
4	6588.600	55.09	-1.02	74.0	18.91	Peak	197.00	100	Horizontal	Pass
4**	6588.600	45.05	-1.02	54.0	8.95	AV	197.00	100	Horizontal	Pass
5	12800.137	54.09	1.09	74.0	19.91	Peak	210.00	100	Horizontal	Pass
5**	12800.137	44.59	1.09	54.0	9.41	AV	210.00	100	Horizontal	Pass
6	17402.812	56.58	3.26	74.0	17.42	Peak	229.00	400	Horizontal	Pass
6**	17402.812	47.09	3.26	54.0	6.91	AV	229.00	400	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	1303.600	39.66	-17.02	74.0	34.34	Peak	170.00	100	Vertical	Pass
1**	1303.600	30.12	-17.02	54.0	23.88	AV	170.00	100	Vertical	Pass
2	2460.700	99.20	-12.04	74.0	-25.20	Peak	331.00	150	Vertical	N/A
2**	2460.700	92.26	-12.04	54.0	-38.26	AV	331.00	150	Vertical	N/A
3	4405.800	49.76	-4.32	74.0	24.24	Peak	321.00	150	Vertical	Pass
3**	4405.800	40.26	-4.32	54.0	13.74	AV	321.00	150	Vertical	Pass
4	6623.800	55.44	0.18	74.0	18.56	Peak	332.00	400	Vertical	Pass
4**	6623.800	44.88	0.18	54.0	9.12	AV	332.00	400	Vertical	Pass
5	12611.425	54.02	1.89	74.0	19.98	Peak	140.00	100	Vertical	Pass
5**	12611.425	44.09	1.89	54.0	9.91	AV	140.00	100	Vertical	Pass
6	17432.738	56.01	3.35	74.0	17.99	Peak	177.00	300	Vertical	Pass
6**	17432.738	47.14	3.35	54.0	6.86	AV	177.00	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	1542.100	39.54	-17.16	74.0	34.46	Peak	218.00	200	Horizontal	Pass
1**	1542.100	29.41	-17.16	54.0	24.59	AV	218.00	200	Horizontal	Pass
2	2410.300	106.87	-10.52	74.0	-32.87	Peak	70.00	200	Horizontal	N/A
2**	2410.300	99.25	-10.52	54.0	-45.25	AV	70.00	200	Horizontal	N/A
3	4817.400	51.51	-2.19	74.0	22.49	Peak	342.00	200	Horizontal	Pass
3**	4817.400	42.54	-2.19	54.0	11.46	AV	342.00	200	Horizontal	Pass
4	6808.200	54.34	1.76	74.0	19.66	Peak	112.00	200	Horizontal	Pass
4**	6808.200	44.94	1.76	54.0	9.06	AV	112.00	200	Horizontal	Pass
5	12994.125	53.16	1.20	74.0	20.84	Peak	4.00	300	Horizontal	Pass
5**	12994.125	44.37	1.20	54.0	9.63	AV	4.00	300	Horizontal	Pass
6	15244.800	56.38	0.88	74.0	17.62	Peak	23.00	300	Horizontal	Pass
6**	15244.800	46.94	0.88	54.0	7.06	AV	23.00	300	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	1541.200	39.91	-17.00	74.0	34.09	Peak	270.00	300	Vertical	Pass
1**	1541.200	30.05	-17.00	54.0	23.95	AV	270.00	300	Vertical	Pass
2	2409.500	97.78	-10.43	74.0	-23.78	Peak	146.00	200	Vertical	N/A
2**	2409.500	90.29	-10.43	54.0	-36.29	AV	146.00	200	Vertical	N/A
3	4811.800	51.90	-2.12	74.0	22.10	Peak	45.00	150	Vertical	Pass
3**	4811.800	42.29	-2.12	54.0	11.71	AV	45.00	150	Vertical	Pass
4	6608.200	55.41	0.22	74.0	18.59	Peak	178.00	300	Vertical	Pass
4**	6608.200	45.64	0.22	54.0	8.36	AV	178.00	300	Vertical	Pass
5	12794.100	53.85	1.16	74.0	20.15	Peak	19.00	200	Vertical	Pass
5**	12794.100	44.47	1.16	54.0	9.53	AV	19.00	200	Vertical	Pass
6	15676.349	56.21	1.55	74.0	17.79	Peak	267.00	400	Vertical	Pass
6**	15676.349	47.86	1.55	54.0	6.14	AV	267.00	400	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	1432.200	39.35	-17.22	74.0	34.65	Peak	197.00	100	Horizontal	Pass
1**	1432.200	29.48	-17.22	54.0	24.52	AV	197.00	100	Horizontal	Pass
2	2435.900	105.14	-12.14	74.0	-31.14	Peak	71.00	200	Horizontal	N/A
2**	2435.900	97.07	-12.14	54.0	-43.07	AV	71.00	200	Horizontal	N/A
3	4977.600	52.04	-1.71	74.0	21.96	Peak	32.00	200	Horizontal	Pass
3**	4977.600	42.32	-1.71	54.0	11.68	AV	32.00	200	Horizontal	Pass
4	6808.400	54.86	1.69	74.0	19.14	Peak	127.00	100	Horizontal	Pass
4**	6808.400	45.86	1.69	54.0	8.14	AV	127.00	100	Horizontal	Pass
5	12886.762	53.70	1.57	74.0	20.30	Peak	210.00	400	Horizontal	Pass
5**	12886.762	44.48	1.57	54.0	9.52	AV	210.00	400	Horizontal	Pass
6	17349.526	56.76	1.88	74.0	17.24	Peak	210.00	300	Horizontal	Pass
6**	17349.526	46.75	1.88	54.0	7.25	AV	210.00	300	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	1428.600	39.91	-17.06	74.0	34.09	Peak	2.00	100	Vertical	Pass
1**	1428.600	29.80	-17.06	54.0	24.20	AV	2.00	100	Vertical	Pass
2	2438.100	97.42	-12.19	74.0	-23.42	Peak	347.00	100	Vertical	N/A
2**	2438.100	90.34	-12.19	54.0	-36.34	AV	347.00	100	Vertical	N/A
3	4947.200	51.33	-2.61	74.0	22.67	Peak	267.00	150	Vertical	Pass
3**	4947.200	42.06	-2.61	54.0	11.94	AV	267.00	150	Vertical	Pass
4	6622.800	55.77	0.17	74.0	18.23	Peak	77.00	300	Vertical	Pass
4**	6622.800	45.24	0.17	54.0	8.76	AV	77.00	300	Vertical	Pass
5	12857.888	53.89	1.44	74.0	20.11	Peak	92.00	300	Vertical	Pass
5**	12857.888	44.15	1.44	54.0	9.85	AV	92.00	300	Vertical	Pass
6	15848.287	56.90	1.34	74.0	17.10	Peak	92.00	200	Vertical	Pass
6**	15848.287	46.41	1.34	54.0	7.59	AV	92.00	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	1285.200	39.26	-17.26	74.0	34.74	Peak	32.00	200	Horizontal	Pass
1**	1285.200	29.41	-17.26	54.0	24.59	AV	32.00	200	Horizontal	Pass
2	2460.200	104.32	-12.00	74.0	-30.32	Peak	72.00	200	Horizontal	N/A
2**	2460.200	97.52	-12.00	54.0	-43.52	AV	72.00	200	Horizontal	N/A
3	4865.000	52.00	-2.62	74.0	22.00	Peak	360.00	150	Horizontal	Pass
3**	4865.000	42.56	-2.62	54.0	11.44	AV	360.00	150	Horizontal	Pass
4	6535.600	54.45	-0.49	74.0	19.55	Peak	103.00	100	Horizontal	Pass
4**	6535.600	45.04	-0.49	54.0	8.96	AV	103.00	100	Horizontal	Pass
5	12849.750	53.78	1.36	74.0	20.22	Peak	343.00	400	Horizontal	Pass
5**	12849.750	44.20	1.36	54.0	9.80	AV	343.00	400	Horizontal	Pass
6	15820.200	56.02	1.87	74.0	17.98	Peak	132.00	400	Horizontal	Pass
6**	15820.200	46.24	1.87	54.0	7.76	AV	132.00	400	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	1495.600	39.98	-16.85	74.0	34.02	Peak	244.00	400	Vertical	Pass
1**	1495.600	29.43	-16.85	54.0	24.57	AV	244.00	400	Vertical	Pass
2	2458.000	97.88	-11.98	74.0	-23.88	Peak	333.00	150	Vertical	N/A
2**	2458.000	90.12	-11.98	54.0	-36.12	AV	333.00	150	Vertical	N/A
3	4817.600	51.60	-2.17	74.0	22.40	Peak	97.00	150	Vertical	Pass
3**	4817.600	43.14	-2.17	54.0	10.86	AV	97.00	150	Vertical	Pass
4	6805.000	54.84	1.87	74.0	19.16	Peak	200.00	100	Vertical	Pass
4**	6805.000	46.66	1.87	54.0	7.34	AV	200.00	100	Vertical	Pass
5	12783.863	53.42	1.25	74.0	20.58	Peak	172.00	400	Vertical	Pass
5**	12783.863	44.19	1.25	54.0	9.81	AV	172.00	400	Vertical	Pass
6	17422.500	56.23	3.69	74.0	17.77	Peak	299.00	100	Vertical	Pass
6**	17422.500	47.30	3.69	54.0	6.70	AV	299.00	100	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	1561.600	39.48	-16.79	74.0	34.52	Peak	119.00	100	Horizontal	Pass
1**	1561.600	30.15	-16.79	54.0	23.85	AV	119.00	100	Horizontal	Pass
2	2414.200	102.91	-10.78	74.0	-28.91	Peak	71.00	100	Horizontal	N/A
2**	2414.200	95.62	-10.78	54.0	-41.62	AV	71.00	100	Horizontal	N/A
3	4813.000	51.78	-2.05	74.0	22.22	Peak	260.00	150	Horizontal	Pass
3**	4813.000	43.23	-2.05	54.0	10.77	AV	260.00	150	Horizontal	Pass
4	6656.000	54.89	-0.13	74.0	19.11	Peak	83.00	400	Horizontal	Pass
4**	6656.000	44.95	-0.13	54.0	9.05	AV	83.00	400	Horizontal	Pass
5	12383.725	54.08	1.51	74.0	19.92	Peak	263.00	200	Horizontal	Pass
5**	12383.725	43.89	1.51	54.0	10.11	AV	263.00	200	Horizontal	Pass
6	16090.838	56.43	1.42	74.0	17.57	Peak	101.00	400	Horizontal	Pass
6**	16090.838	47.01	1.42	54.0	6.99	AV	101.00	400	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	1488.300	39.47	-16.80	74.0	34.53	Peak	229.00	300	Vertical	Pass
1**	1488.300	30.60	-16.80	54.0	23.40	AV	229.00	300	Vertical	Pass
2	2419.800	94.43	-12.10	74.0	-20.43	Peak	328.00	200	Vertical	N/A
2**	2419.800	87.05	-12.10	54.0	-33.05	AV	328.00	200	Vertical	N/A
3	4817.800	52.01	-2.16	74.0	21.99	Peak	341.00	150	Vertical	Pass
3**	4817.800	43.09	-2.16	54.0	10.91	AV	341.00	150	Vertical	Pass
4	6975.400	55.03	1.47	74.0	18.97	Peak	230.00	400	Vertical	Pass
4**	6975.400	45.23	1.47	54.0	8.77	AV	230.00	400	Vertical	Pass
5	12908.287	53.43	1.40	74.0	20.57	Peak	301.00	300	Vertical	Pass
5**	12908.287	43.98	1.40	54.0	10.02	AV	301.00	300	Vertical	Pass
6	13331.174	56.20	0.95	74.0	17.80	Peak	220.00	300	Vertical	Pass
6**	13331.174	46.72	0.95	54.0	7.28	AV	220.00	300	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.600	39.12	-17.01	74.0	34.88	Peak	100.00	200	Horizontal	Pass
1**	1402.600	29.56	-17.01	54.0	24.44	AV	100.00	200	Horizontal	Pass
2	2416.900	102.30	-11.62	74.0	-28.30	Peak	77.00	100	Horizontal	N/A
2**	2416.900	94.33	-11.62	54.0	-40.33	AV	77.00	100	Horizontal	N/A
3	4806.800	51.71	-2.39	74.0	22.29	Peak	190.00	150	Horizontal	Pass
3**	4806.800	42.02	-2.39	54.0	11.98	AV	190.00	150	Horizontal	Pass
4	6613.600	54.69	0.30	74.0	19.31	Peak	124.00	100	Horizontal	Pass
4**	6613.600	45.07	0.30	54.0	8.93	AV	124.00	100	Horizontal	Pass
5	12827.700	53.74	1.09	74.0	20.26	Peak	91.00	400	Horizontal	Pass
5**	12827.700	43.93	1.09	54.0	10.07	AV	91.00	400	Horizontal	Pass
6	15659.288	56.53	1.26	74.0	17.47	Peak	0.00	400	Horizontal	Pass
6**	15659.288	45.88	1.26	54.0	8.12	AV	0.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.400	39.21	-16.81	74.0	34.79	Peak	204.00	100	Vertical	Pass
1**	1561.400	31.06	-16.81	54.0	22.94	AV	204.00	100	Vertical	Pass
2	2415.900	103.21	-11.36	74.0	-29.21	Peak	65.00	150	Vertical	N/A
2**	2415.900	95.40	-11.36	54.0	-41.40	AV	65.00	150	Vertical	N/A
3	5432.800	53.35	-2.14	74.0	20.65	Peak	19.00	150	Vertical	Pass
3**	5432.800	42.36	-2.14	54.0	11.64	AV	19.00	150	Vertical	Pass
4	6789.800	54.63	0.68	74.0	19.37	Peak	293.00	300	Vertical	Pass
4**	6789.800	46.67	0.68	54.0	7.33	AV	293.00	300	Vertical	Pass
5	12313.000	53.47	1.39	74.0	20.53	Peak	61.00	100	Vertical	Pass
5**	12313.000	43.73	1.39	54.0	10.27	AV	61.00	100	Vertical	Pass
6	13416.750	56.71	0.41	74.0	17.29	Peak	38.00	400	Vertical	Pass
6**	13416.750	46.82	0.41	54.0	7.18	AV	38.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.900	39.75	-16.76	74.0	34.25	Peak	100.00	200	Horizontal	Pass
1**	1561.900	29.83	-16.76	54.0	24.17	AV	100.00	200	Horizontal	Pass
2	2438.000	102.03	-12.18	74.0	-28.03	Peak	75.00	100	Horizontal	N/A
2**	2438.000	94.06	-12.18	54.0	-40.06	AV	75.00	100	Horizontal	N/A
3	4868.400	52.46	-2.46	74.0	21.54	Peak	178.00	150	Horizontal	Pass
3**	4868.400	43.05	-2.46	54.0	10.95	AV	178.00	150	Horizontal	Pass
4	6605.000	55.83	-0.31	74.0	18.17	Peak	211.00	100	Horizontal	Pass
4**	6605.000	45.07	-0.31	54.0	8.93	AV	211.00	100	Horizontal	Pass
5	12281.950	54.72	1.79	74.0	19.28	Peak	0.00	400	Horizontal	Pass
5**	12281.950	44.79	1.79	54.0	9.21	AV	0.00	400	Horizontal	Pass
6	17347.426	56.57	1.80	74.0	17.43	Peak	16.00	200	Horizontal	Pass
6**	17347.426	46.59	1.80	54.0	7.41	AV	16.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.500	39.53	-17.11	74.0	34.47	Peak	175.00	300	Vertical	Pass
1**	1333.500	30.50	-17.11	54.0	23.50	AV	175.00	300	Vertical	Pass
2	2436.100	94.81	-12.13	74.0	-20.81	Peak	10.00	100	Vertical	N/A
2**	2436.100	86.87	-12.13	54.0	-32.87	AV	10.00	100	Vertical	N/A
3	4943.800	52.06	-2.56	74.0	21.94	Peak	0.00	100	Vertical	Pass
3**	4943.800	42.00	-2.56	54.0	12.00	AV	0.00	100	Vertical	Pass
4	6805.800	55.08	2.13	74.0	18.92	Peak	303.00	400	Vertical	Pass
4**	6805.800	45.99	2.13	54.0	8.01	AV	303.00	400	Vertical	Pass
5	12825.338	54.34	1.05	74.0	19.66	Peak	91.00	400	Vertical	Pass
5**	12825.338	44.59	1.05	54.0	9.41	AV	91.00	400	Vertical	Pass
6	15524.625	56.08	1.39	74.0	17.92	Peak	241.00	300	Vertical	Pass
6**	15524.625	45.89	1.39	54.0	8.11	AV	241.00	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	1493.500	39.51	-16.88	74.0	34.49	Peak	172.00	200	Horizontal	Pass
1**	1493.500	30.30	-16.88	54.0	23.70	AV	172.00	200	Horizontal	Pass
2	2444.000	102.60	-12.44	74.0	-28.60	Peak	81.00	100	Horizontal	N/A
2**	2444.000	95.69	-12.44	54.0	-41.69	AV	81.00	100	Horizontal	N/A
3	5137.000	53.21	-1.81	74.0	20.79	Peak	329.00	150	Horizontal	Pass
3**	5137.000	43.06	-1.81	54.0	10.94	AV	329.00	150	Horizontal	Pass
4	6552.200	54.73	-0.66	74.0	19.27	Peak	28.00	100	Horizontal	Pass
4**	6552.200	45.25	-0.66	54.0	8.75	AV	28.00	100	Horizontal	Pass
5	12837.675	53.91	1.30	74.0	20.09	Peak	360.00	100	Horizontal	Pass
5**	12837.675	44.00	1.30	54.0	10.00	AV	360.00	100	Horizontal	Pass
6	17422.500	56.31	3.69	74.0	17.69	Peak	342.00	200	Horizontal	Pass
6**	17422.500	47.35	3.69	54.0	6.65	AV	342.00	200	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	1587.300	39.63	-17.00	74.0	34.37	Peak	138.00	200	Vertical	Pass
1**	1587.300	30.88	-17.00	54.0	23.12	AV	138.00	200	Vertical	Pass
2	2444.800	95.11	-12.53	74.0	-21.11	Peak	0.00	100	Vertical	N/A
2**	2444.800	86.36	-12.53	54.0	-32.36	AV	0.00	100	Vertical	N/A
3	4968.000	51.95	-1.96	74.0	22.05	Peak	239.00	100	Vertical	Pass
3**	4968.000	42.65	-1.96	54.0	11.35	AV	239.00	100	Vertical	Pass
4	6518.600	54.67	0.02	74.0	19.33	Peak	239.00	100	Vertical	Pass
4**	6518.600	46.02	0.02	54.0	7.98	AV	239.00	100	Vertical	Pass
5	11546.812	53.90	-0.52	74.0	20.10	Peak	103.00	300	Vertical	Pass
5**	11546.812	43.04	-0.52	54.0	10.96	AV	103.00	300	Vertical	Pass
6	15837.000	56.62	1.45	74.0	17.38	Peak	261.00	400	Vertical	Pass
6**	15837.000	46.38	1.45	54.0	7.62	AV	261.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.900	39.41	-17.36	74.0	34.59	Peak	233.00	400	Horizontal	Pass
1**	1466.900	29.88	-17.36	54.0	24.12	AV	233.00	400	Horizontal	Pass
2	2444.700	103.78	-12.52	74.0	-29.78	Peak	68.00	150	Horizontal	N/A
2**	2444.700	96.28	-12.52	54.0	-42.28	AV	68.00	150	Horizontal	N/A
3	4791.800	51.38	-2.79	74.0	22.62	Peak	143.00	150	Horizontal	Pass
3**	4791.800	42.61	-2.79	54.0	11.39	AV	143.00	150	Horizontal	Pass
4	6609.800	54.47	0.52	74.0	19.53	Peak	143.00	200	Horizontal	Pass
4**	6609.800	46.26	0.52	54.0	7.74	AV	143.00	200	Horizontal	Pass
5	12879.674	54.10	1.56	74.0	19.90	Peak	0.00	400	Horizontal	Pass
5**	12879.674	44.13	1.56	54.0	9.87	AV	0.00	400	Horizontal	Pass
6	13309.912	56.85	0.86	74.0	17.15	Peak	259.00	100	Horizontal	Pass
6**	13309.912	46.48	0.86	54.0	7.52	AV	259.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.600	39.49	-16.73	74.0	34.51	Peak	119.00	400	Vertical	Pass
1**	1489.600	30.03	-16.73	54.0	23.97	AV	119.00	400	Vertical	Pass
2	2447.500	96.08	-12.39	74.0	-22.08	Peak	305.00	150	Vertical	N/A
2**	2447.500	88.67	-12.39	54.0	-34.67	AV	305.00	150	Vertical	N/A
3	5099.200	53.01	-2.05	74.0	20.99	Peak	41.00	150	Vertical	Pass
3**	5099.200	43.22	-2.05	54.0	10.78	AV	41.00	150	Vertical	Pass
4	6887.600	54.64	-0.48	74.0	19.36	Peak	331.00	400	Vertical	Pass
4**	6887.600	44.38	-0.48	54.0	9.62	AV	331.00	400	Vertical	Pass
5	12822.187	53.40	0.97	74.0	20.60	Peak	35.00	200	Vertical	Pass
5**	12822.187	44.32	0.97	54.0	9.68	AV	35.00	200	Vertical	Pass
6	17436.676	56.28	3.18	74.0	17.72	Peak	109.00	400	Vertical	Pass
6**	17436.676	46.89	3.18	54.0	7.11	AV	109.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1254.000	39.21	-17.50	74.0	34.79	Peak	183.00	200	Horizontal	Pass
1**	1254.000	28.45	-17.50	54.0	25.55	AV	183.00	200	Horizontal	Pass
2	2448.100	103.47	-12.28	74.0	-29.47	Peak	65.00	200	Horizontal	N/A
2**	2448.100	96.54	-12.28	54.0	-42.54	AV	65.00	200	Horizontal	N/A
3	5156.400	52.42	-1.52	74.0	21.58	Peak	76.00	150	Horizontal	Pass
3**	5156.400	43.60	-1.52	54.0	10.40	AV	76.00	150	Horizontal	Pass
4	6541.800	54.50	-0.84	74.0	19.50	Peak	288.00	200	Horizontal	Pass
4**	6541.800	46.23	-0.84	54.0	7.77	AV	288.00	200	Horizontal	Pass
5	12868.912	53.89	1.44	74.0	20.11	Peak	36.00	200	Horizontal	Pass
5**	12868.912	43.96	1.44	54.0	10.04	AV	36.00	200	Horizontal	Pass
6	17468.963	56.49	2.90	74.0	17.51	Peak	360.00	300	Horizontal	Pass
6**	17468.963	46.71	2.90	54.0	7.29	AV	360.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.000	39.43	-16.76	74.0	34.57	Peak	360.00	100	Vertical	Pass
1**	1489.000	29.93	-16.76	54.0	24.07	AV	360.00	100	Vertical	Pass
2	2449.100	96.84	-12.25	74.0	-22.84	Peak	309.00	200	Vertical	N/A
2**	2449.100	89.34	-12.25	54.0	-35.34	AV	309.00	200	Vertical	N/A
3	5163.600	52.28	-1.52	74.0	21.72	Peak	136.00	150	Vertical	Pass
3**	5163.600	43.69	-1.52	54.0	10.31	AV	136.00	150	Vertical	Pass
4	5967.600	54.47	0.14	74.0	19.53	Peak	360.00	200	Vertical	Pass
4**	5967.600	44.81	0.14	54.0	9.19	AV	360.00	200	Vertical	Pass
5	12927.188	54.21	1.11	74.0	19.79	Peak	60.00	300	Vertical	Pass
5**	12927.188	43.51	1.11	54.0	10.49	AV	60.00	300	Vertical	Pass
6	13336.162	56.81	1.02	74.0	17.19	Peak	324.00	200	Vertical	Pass
6**	13336.162	47.04	1.02	54.0	6.96	AV	324.00	200	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	1266.300	39.47	-17.02	74.0	34.53	Peak	151.00	200	Horizontal	Pass
1**	1266.300	29.90	-17.02	54.0	24.10	AV	151.00	200	Horizontal	Pass
2	2449.100	103.33	-12.25	74.0	-29.33	Peak	71.00	150	Horizontal	N/A
2**	2449.100	96.23	-12.25	54.0	-42.23	AV	71.00	150	Horizontal	N/A
3	4962.400	52.01	-2.46	74.0	21.99	Peak	207.00	150	Horizontal	Pass
3**	4962.400	41.98	-2.46	54.0	12.02	AV	207.00	150	Horizontal	Pass
4	6148.200	54.46	-0.33	74.0	19.54	Peak	12.00	100	Horizontal	Pass
4**	6148.200	45.57	-0.33	54.0	8.43	AV	12.00	100	Horizontal	Pass
5	12796.463	53.75	1.14	74.0	20.25	Peak	259.00	300	Horizontal	Pass
5**	12796.463	43.94	1.14	54.0	10.06	AV	259.00	300	Horizontal	Pass
6	17420.663	57.18	3.74	74.0	16.82	Peak	300.00	400	Horizontal	Pass
6**	17420.663	46.87	3.74	54.0	7.13	AV	300.00	400	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	1585.300	41.12	-16.81	74.0	32.88	Peak	174.00	200	Vertical	Pass
1**	1585.300	31.53	-16.81	54.0	22.47	AV	174.00	200	Vertical	Pass
2	2450.300	95.97	-12.25	74.0	-21.97	Peak	129.00	100	Vertical	N/A
2**	2450.300	88.57	-12.25	54.0	-34.57	AV	129.00	100	Vertical	N/A
3	4822.600	52.07	-2.08	74.0	21.93	Peak	115.00	150	Vertical	Pass
3**	4822.600	42.79	-2.08	54.0	11.21	AV	115.00	150	Vertical	Pass
4	6535.400	54.57	-0.49	74.0	19.43	Peak	171.00	400	Vertical	Pass
4**	6535.400	44.71	-0.49	54.0	9.29	AV	171.00	400	Vertical	Pass
5	12809.588	53.28	0.86	74.0	20.72	Peak	166.00	100	Vertical	Pass
5**	12809.588	44.01	0.86	54.0	9.99	AV	166.00	100	Vertical	Pass
6	13421.475	56.17	0.40	74.0	17.83	Peak	31.00	300	Vertical	Pass
6**	13421.475	47.12	0.40	54.0	6.88	AV	31.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.400	39.66	-16.81	74.0	34.34	Peak	330.00	400	Horizontal	Pass
1**	1561.400	30.39	-16.81	54.0	23.61	AV	330.00	400	Horizontal	Pass
2	2411.000	104.17	-10.58	74.0	-30.17	Peak	77.00	200	Horizontal	N/A
2**	2411.000	97.51	-10.58	54.0	-43.51	AV	77.00	200	Horizontal	N/A
3	4971.800	51.93	-1.61	74.0	22.07	Peak	225.00	200	Horizontal	Pass
3**	4971.800	42.50	-1.61	54.0	11.50	AV	225.00	200	Horizontal	Pass
4	6789.200	54.61	0.58	74.0	19.39	Peak	329.00	400	Horizontal	Pass
4**	6789.200	45.30	0.58	54.0	8.70	AV	329.00	400	Horizontal	Pass
5	12796.463	54.05	1.14	74.0	19.95	Peak	78.00	300	Horizontal	Pass
5**	12796.463	45.13	1.14	54.0	8.87	AV	78.00	300	Horizontal	Pass
6	15244.276	56.20	0.89	74.0	17.80	Peak	323.00	200	Horizontal	Pass
6**	15244.276	46.79	0.89	54.0	7.21	AV	323.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1433.200	39.94	-17.29	74.0	34.06	Peak	174.00	100	Vertical	Pass
1**	1433.200	29.48	-17.29	54.0	24.52	AV	174.00	100	Vertical	Pass
2	2410.900	95.28	-10.58	74.0	-21.28	Peak	316.00	200	Vertical	N/A
2**	2410.900	87.89	-10.58	54.0	-33.89	AV	316.00	200	Vertical	N/A
3	4999.400	52.05	-2.41	74.0	21.95	Peak	264.00	100	Vertical	Pass
3**	4999.400	41.87	-2.41	54.0	12.13	AV	264.00	100	Vertical	Pass
4	6606.800	54.93	0.03	74.0	19.07	Peak	274.00	400	Vertical	Pass
4**	6606.800	45.41	0.03	54.0	8.59	AV	274.00	400	Vertical	Pass
5	12850.275	53.11	1.37	74.0	20.89	Peak	162.00	300	Vertical	Pass
5**	12850.275	44.06	1.37	54.0	9.94	AV	162.00	300	Vertical	Pass
6	17467.912	56.21	2.90	74.0	17.79	Peak	162.00	200	Vertical	Pass
6**	17467.912	46.50	2.90	54.0	7.50	AV	162.00	200	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.500	39.42	-17.10	74.0	34.58	Peak	321.00	200	Horizontal	Pass
1**	1569.500	29.89	-17.10	54.0	24.11	AV	321.00	200	Horizontal	Pass
2	2414.300	106.42	-10.81	74.0	-32.42	Peak	71.00	200	Horizontal	N/A
2**	2414.300	98.43	-10.81	54.0	-44.43	AV	71.00	200	Horizontal	N/A
3	4999.200	52.64	-2.42	74.0	21.36	Peak	277.00	100	Horizontal	Pass
3**	4999.200	43.06	-2.42	54.0	10.94	AV	277.00	100	Horizontal	Pass
4	5966.600	55.26	0.10	74.0	18.74	Peak	233.00	200	Horizontal	Pass
4**	5966.600	46.54	0.10	54.0	7.46	AV	233.00	200	Horizontal	Pass
5	12303.225	53.94	1.42	74.0	20.06	Peak	339.00	300	Horizontal	Pass
5**	12303.225	44.32	1.42	54.0	9.68	AV	339.00	300	Horizontal	Pass
6	17382.339	56.55	2.70	74.0	17.45	Peak	192.00	400	Horizontal	Pass
6**	17382.339	45.84	2.70	54.0	8.16	AV	192.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.700	40.05	-16.95	74.0	33.95	Peak	3.00	400	Vertical	Pass
1**	1503.700	30.69	-16.95	54.0	23.31	AV	3.00	400	Vertical	Pass
2	2414.800	97.60	-10.98	74.0	-23.60	Peak	329.00	200	Vertical	N/A
2**	2414.800	90.40	-10.98	54.0	-36.40	AV	329.00	200	Vertical	N/A
3	4969.400	51.94	-1.82	74.0	22.06	Peak	179.00	150	Vertical	Pass
3**	4969.400	42.76	-1.82	54.0	11.24	AV	179.00	150	Vertical	Pass
4	6809.400	54.95	1.56	74.0	19.05	Peak	0.00	200	Vertical	Pass
4**	6809.400	46.21	1.56	54.0	7.79	AV	0.00	200	Vertical	Pass
5	12742.237	53.54	1.27	74.0	20.46	Peak	174.00	100	Vertical	Pass
5**	12742.237	44.25	1.27	54.0	9.75	AV	174.00	100	Vertical	Pass
6	16425.000	56.62	1.15	74.0	17.38	Peak	78.00	400	Vertical	Pass
6**	16425.000	46.64	1.15	54.0	7.36	AV	78.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.500	39.65	-16.98	74.0	34.35	Peak	134.00	100	Horizontal	Pass
1**	1558.500	30.36	-16.98	54.0	23.64	AV	134.00	100	Horizontal	Pass
2	2437.200	105.10	-12.12	74.0	-31.10	Peak	74.00	200	Horizontal	N/A
2**	2437.200	97.31	-12.12	54.0	-43.31	AV	74.00	200	Horizontal	N/A
3	4913.000	51.85	-2.80	74.0	22.15	Peak	310.00	200	Horizontal	Pass
3**	4913.000	41.76	-2.80	54.0	12.24	AV	310.00	200	Horizontal	Pass
4	6792.600	55.62	1.01	74.0	18.38	Peak	121.00	300	Horizontal	Pass
4**	6792.600	46.34	1.01	54.0	7.66	AV	121.00	300	Horizontal	Pass
5	12472.849	54.31	1.64	74.0	19.69	Peak	242.00	200	Horizontal	Pass
5**	12472.849	42.57	1.64	54.0	11.43	AV	242.00	200	Horizontal	Pass
6	17433.262	56.22	3.33	74.0	17.78	Peak	269.00	300	Horizontal	Pass
6**	17433.262	47.39	3.33	54.0	6.61	AV	269.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1391.400	39.42	-17.10	74.0	34.58	Peak	16.00	200	Vertical	Pass
1**	1391.400	29.97	-17.10	54.0	24.03	AV	16.00	200	Vertical	Pass
2	2440.600	97.23	-12.39	74.0	-23.23	Peak	0.00	150	Vertical	N/A
2**	2440.600	89.36	-12.39	54.0	-35.36	AV	0.00	150	Vertical	N/A
3	4650.600	51.91	-2.77	74.0	22.09	Peak	278.00	150	Vertical	Pass
3**	4650.600	41.63	-2.77	54.0	12.37	AV	278.00	150	Vertical	Pass
4	6625.800	54.38	0.29	74.0	19.62	Peak	0.00	300	Vertical	Pass
4**	6625.800	45.29	0.29	54.0	8.71	AV	0.00	300	Vertical	Pass
5	12884.662	54.71	1.56	74.0	19.29	Peak	115.00	100	Vertical	Pass
5**	12884.662	45.18	1.56	54.0	8.82	AV	115.00	100	Vertical	Pass
6	15851.437	56.27	1.29	74.0	17.73	Peak	233.00	400	Vertical	Pass
6**	15851.437	46.30	1.29	54.0	7.70	AV	233.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1310.900	39.53	-17.01	74.0	34.47	Peak	48.00	100	Horizontal	Pass
1**	1310.900	29.43	-17.01	54.0	24.57	AV	48.00	100	Horizontal	Pass
2	2455.600	104.87	-12.13	74.0	-30.87	Peak	79.00	150	Horizontal	N/A
2**	2455.600	97.25	-12.13	54.0	-43.25	AV	79.00	150	Horizontal	N/A
3	4877.400	51.90	-2.69	74.0	22.10	Peak	1.00	150	Horizontal	Pass
3**	4877.400	41.66	-2.69	54.0	12.34	AV	1.00	150	Horizontal	Pass
4	6521.000	54.99	0.26	74.0	19.01	Peak	289.00	200	Horizontal	Pass
4**	6521.000	45.84	0.26	54.0	8.16	AV	289.00	200	Horizontal	Pass
5	12819.826	54.07	0.91	74.0	19.93	Peak	174.00	400	Horizontal	Pass
5**	12819.826	45.04	0.91	54.0	8.96	AV	174.00	400	Horizontal	Pass
6	17493.637	56.38	2.08	74.0	17.62	Peak	325.00	300	Horizontal	Pass
6**	17493.637	45.33	2.08	54.0	8.67	AV	325.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.200	39.38	-17.32	74.0	34.62	Peak	283.00	200	Vertical	Pass
1**	1439.200	29.69	-17.32	54.0	24.31	AV	283.00	200	Vertical	Pass
2	2459.300	97.39	-11.92	74.0	-23.39	Peak	331.00	100	Vertical	N/A
2**	2459.300	89.31	-11.92	54.0	-35.31	AV	331.00	100	Vertical	N/A
3	4970.600	51.73	-1.62	74.0	22.27	Peak	55.00	150	Vertical	Pass
3**	4970.600	42.97	-1.62	54.0	11.03	AV	55.00	150	Vertical	Pass
4	6992.200	54.93	1.81	74.0	19.07	Peak	268.00	300	Vertical	Pass
4**	6992.200	46.02	1.81	54.0	7.98	AV	268.00	300	Vertical	Pass
5	12787.800	53.60	1.21	74.0	20.40	Peak	147.00	400	Vertical	Pass
5**	12787.800	44.68	1.21	54.0	9.32	AV	147.00	400	Vertical	Pass
6	17417.775	56.49	3.70	74.0	17.51	Peak	110.00	300	Vertical	Pass
6**	17417.775	47.84	3.70	54.0	6.16	AV	110.00	300	Vertical	Pass



## 1 GHz to 18 GHz, ANT H VHT20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.500	39.14	-16.93	74.0	34.86	Peak	239.00	400	Horizontal	Pass
1**	1507.500	30.23	-16.93	54.0	23.77	AV	239.00	400	Horizontal	Pass
2	2460.700	102.77	-12.04	74.0	-28.77	Peak	78.00	150	Horizontal	N/A
2**	2460.700	95.40	-12.04	54.0	-41.40	AV	78.00	150	Horizontal	N/A
3	4661.800	51.93	-2.30	74.0	22.07	Peak	175.00	150	Horizontal	Pass
3**	4661.800	42.38	-2.30	54.0	11.62	AV	175.00	150	Horizontal	Pass
4	6975.400	54.80	1.47	74.0	19.20	Peak	208.00	300	Horizontal	Pass
4**	6975.400	45.76	1.47	54.0	8.24	AV	208.00	300	Horizontal	Pass
5	12839.250	54.07	1.32	74.0	19.93	Peak	46.00	200	Horizontal	Pass
5**	12839.250	45.75	1.32	54.0	8.25	AV	46.00	200	Horizontal	Pass
6	17424.337	56.83	3.64	74.0	17.17	Peak	64.00	200	Horizontal	Pass
6**	17424.337	47.86	3.64	54.0	6.14	AV	64.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.000	39.63	-17.10	74.0	34.37	Peak	310.00	400	Vertical	Pass
1**	1457.000	30.20	-17.10	54.0	23.80	AV	310.00	400	Vertical	Pass
2	2458.900	95.65	-11.89	74.0	-21.65	Peak	123.00	150	Vertical	N/A
2**	2458.900	88.30	-11.89	54.0	-34.30	AV	123.00	150	Vertical	N/A
3	4762.000	52.01	-2.85	74.0	21.99	Peak	171.00	150	Vertical	Pass
3**	4762.000	42.13	-2.85	54.0	11.87	AV	171.00	150	Vertical	Pass
4	6647.200	54.67	-1.01	74.0	19.33	Peak	15.00	200	Vertical	Pass
4**	6647.200	44.47	-1.01	54.0	9.53	AV	15.00	200	Vertical	Pass
5	12777.037	53.97	1.17	74.0	20.03	Peak	212.00	200	Vertical	Pass
5**	12777.037	44.01	1.17	54.0	9.99	AV	212.00	200	Vertical	Pass
6	17419.088	57.39	3.74	74.0	16.61	Peak	24.00	400	Vertical	Pass
6**	17419.088	47.50	3.74	54.0	6.50	AV	24.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.400	40.19	-16.80	74.0	33.81	Peak	280.00	100	Horizontal	Pass
1**	1487.400	30.16	-16.80	54.0	23.84	AV	280.00	100	Horizontal	Pass
2	2412.500	99.81	-10.70	74.0	-25.81	Peak	79.00	150	Horizontal	N/A
2**	2412.500	91.64	-10.70	54.0	-37.64	AV	79.00	150	Horizontal	N/A
3	4979.200	51.81	-1.58	74.0	22.19	Peak	143.00	150	Horizontal	Pass
3**	4979.200	43.19	-1.58	54.0	10.81	AV	143.00	150	Horizontal	Pass
4	6518.800	55.02	0.09	74.0	18.98	Peak	0.00	400	Horizontal	Pass
4**	6518.800	44.86	0.09	54.0	9.14	AV	0.00	400	Horizontal	Pass
5	12868.125	53.51	1.43	74.0	20.49	Peak	308.00	400	Horizontal	Pass
5**	12868.125	44.12	1.43	54.0	9.88	AV	308.00	400	Horizontal	Pass
6	17433.786	56.78	3.31	74.0	17.22	Peak	0.00	300	Horizontal	Pass
6**	17433.786	46.81	3.31	54.0	7.19	AV	0.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1424.300	39.51	-16.93	74.0	34.49	Peak	269.00	400	Vertical	Pass
1**	1424.300	29.73	-16.93	54.0	24.27	AV	269.00	400	Vertical	Pass
2	2414.900	90.30	-11.02	74.0	-16.30	Peak	89.00	150	Vertical	N/A
2**	2414.900	83.18	-11.02	54.0	-29.18	AV	89.00	150	Vertical	N/A
3	4917.600	51.56	-2.94	74.0	22.44	Peak	120.00	200	Vertical	Pass
3**	4917.600	42.85	-2.94	54.0	11.15	AV	120.00	200	Vertical	Pass
4	6611.200	55.23	0.72	74.0	18.77	Peak	267.00	200	Vertical	Pass
4**	6611.200	46.36	0.72	54.0	7.64	AV	267.00	200	Vertical	Pass
5	12884.662	53.07	1.56	74.0	20.93	Peak	83.00	300	Vertical	Pass
5**	12884.662	44.00	1.56	54.0	10.00	AV	83.00	300	Vertical	Pass
6	15813.375	56.49	2.09	74.0	17.51	Peak	103.00	200	Vertical	Pass
6**	15813.375	47.00	2.09	54.0	7.00	AV	103.00	200	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.600	39.67	-16.86	74.0	34.33	Peak	0.00	200	Horizontal	Pass
1**	1500.600	30.28	-16.86	54.0	23.72	AV	0.00	200	Horizontal	Pass
2	2415.700	102.49	-11.29	74.0	-28.49	Peak	81.00	150	Horizontal	N/A
2**	2415.700	94.65	-11.29	54.0	-40.65	AV	81.00	150	Horizontal	N/A
3	4784.600	51.70	-2.97	74.0	22.30	Peak	264.00	150	Horizontal	Pass
3**	4784.600	41.94	-2.97	54.0	12.06	AV	264.00	150	Horizontal	Pass
4	6151.800	54.82	0.23	74.0	19.18	Peak	100.00	100	Horizontal	Pass
4**	6151.800	45.53	0.23	54.0	8.47	AV	100.00	100	Horizontal	Pass
5	12399.825	53.52	1.58	74.0	20.48	Peak	360.00	400	Horizontal	Pass
5**	12399.825	43.97	1.58	54.0	10.03	AV	360.00	400	Horizontal	Pass
6	17428.275	55.93	3.51	74.0	18.07	Peak	264.00	300	Horizontal	Pass
6**	17428.275	47.31	3.51	54.0	6.69	AV	264.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.500	39.42	-17.12	74.0	34.58	Peak	360.00	100	Vertical	Pass
1**	1339.500	29.47	-17.12	54.0	24.53	AV	360.00	100	Vertical	Pass
2	2425.300	94.09	-12.59	74.0	-20.09	Peak	327.00	150	Vertical	N/A
2**	2425.300	86.85	-12.59	54.0	-32.85	AV	327.00	150	Vertical	N/A
3	4971.400	51.88	-1.61	74.0	22.12	Peak	352.00	200	Vertical	Pass
3**	4971.400	42.40	-1.61	54.0	11.60	AV	352.00	200	Vertical	Pass
4	6806.200	55.39	2.26	74.0	18.61	Peak	154.00	200	Vertical	Pass
4**	6806.200	46.79	2.26	54.0	7.21	AV	154.00	200	Vertical	Pass
5	12845.287	53.62	1.35	74.0	20.38	Peak	10.00	100	Vertical	Pass
5**	12845.287	44.41	1.35	54.0	9.59	AV	10.00	100	Vertical	Pass
6	17407.801	56.52	3.39	74.0	17.48	Peak	0.00	400	Vertical	Pass
6**	17407.801	46.86	3.39	54.0	7.14	AV	0.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1405.100	39.27	-16.98	74.0	34.73	Peak	108.00	300	Horizontal	Pass
1**	1405.100	29.73	-16.98	54.0	24.27	AV	108.00	300	Horizontal	Pass
2	2443.000	102.00	-12.41	74.0	-28.00	Peak	67.00	100	Horizontal	N/A
2**	2443.000	94.65	-12.41	54.0	-40.65	AV	67.00	100	Horizontal	N/A
3	4854.000	51.93	-2.79	74.0	22.07	Peak	238.00	150	Horizontal	Pass
3**	4854.000	42.37	-2.79	54.0	11.63	AV	238.00	150	Horizontal	Pass
4	6791.000	54.68	0.81	74.0	19.32	Peak	320.00	400	Horizontal	Pass
4**	6791.000	45.77	0.81	54.0	8.23	AV	320.00	400	Horizontal	Pass
5	12840.563	54.28	1.33	74.0	19.72	Peak	15.00	100	Horizontal	Pass
5**	12840.563	44.71	1.33	54.0	9.29	AV	15.00	100	Horizontal	Pass
6	15860.888	56.39	0.91	74.0	17.61	Peak	287.00	100	Horizontal	Pass
6**	15860.888	45.84	0.91	54.0	8.16	AV	287.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 5

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.300	39.44	-16.96	74.0	34.56	Peak	132.00	100	Vertical	Pass
1**	1559.300	30.55	-16.96	54.0	23.45	AV	132.00	100	Vertical	Pass
2	2436.200	94.66	-12.13	74.0	-20.66	Peak	7.00	100	Vertical	N/A
2**	2436.200	87.15	-12.13	54.0	-33.15	AV	7.00	100	Vertical	N/A
3	4982.200	52.56	-1.62	74.0	21.44	Peak	253.00	200	Vertical	Pass
3**	4982.200	42.41	-1.62	54.0	11.59	AV	253.00	200	Vertical	Pass
4	6426.200	54.88	-0.66	74.0	19.12	Peak	220.00	200	Vertical	Pass
4**	6426.200	44.73	-0.66	54.0	9.27	AV	220.00	200	Vertical	Pass
5	12837.412	54.44	1.29	74.0	19.56	Peak	130.00	200	Vertical	Pass
5**	12837.412	44.84	1.29	54.0	9.16	AV	130.00	200	Vertical	Pass
6	17424.075	56.75	3.65	74.0	17.25	Peak	360.00	400	Vertical	Pass
6**	17424.075	47.12	3.65	54.0	6.88	AV	360.00	400	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.800	39.44	-17.22	74.0	34.56	Peak	240.00	400	Horizontal	Pass
1**	1511.800	29.58	-17.22	54.0	24.42	AV	240.00	400	Horizontal	Pass
2	2443.200	104.46	-12.42	74.0	-30.46	Peak	78.00	200	Horizontal	N/A
2**	2443.200	95.10	-12.42	54.0	-41.10	AV	78.00	200	Horizontal	N/A
3	5204.800	52.32	-2.28	74.0	21.68	Peak	180.00	150	Horizontal	Pass
3**	5204.800	42.93	-2.28	54.0	11.07	AV	180.00	150	Horizontal	Pass
4	6983.000	54.58	1.39	74.0	19.42	Peak	0.00	300	Horizontal	Pass
4**	6983.000	44.38	1.39	54.0	9.62	AV	0.00	300	Horizontal	Pass
5	12999.638	54.45	1.38	74.0	19.55	Peak	83.00	300	Horizontal	Pass
5**	12999.638	44.20	1.38	54.0	9.80	AV	83.00	300	Horizontal	Pass
6	17403.599	56.12	3.28	74.0	17.88	Peak	161.00	400	Horizontal	Pass
6**	17403.599	47.72	3.28	54.0	6.28	AV	161.00	400	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.400	39.14	-16.84	74.0	34.86	Peak	130.00	300	Vertical	Pass
1**	1505.400	30.14	-16.84	54.0	23.86	AV	130.00	300	Vertical	Pass
2	2441.000	95.07	-12.38	74.0	-21.07	Peak	19.00	200	Vertical	N/A
2**	2441.000	87.13	-12.38	54.0	-33.13	AV	19.00	200	Vertical	N/A
3	4826.000	52.23	-2.60	74.0	21.77	Peak	283.00	150	Vertical	Pass
3**	4826.000	41.98	-2.60	54.0	12.02	AV	283.00	150	Vertical	Pass
4	6790.800	54.99	0.79	74.0	19.01	Peak	235.00	400	Vertical	Pass
4**	6790.800	46.90	0.79	54.0	7.10	AV	235.00	400	Vertical	Pass
5	12827.700	53.82	1.09	74.0	20.18	Peak	199.00	100	Vertical	Pass
5**	12827.700	45.67	1.09	54.0	8.33	AV	199.00	100	Vertical	Pass
6	17450.062	56.89	2.82	74.0	17.11	Peak	0.00	300	Vertical	Pass
6**	17450.062	46.66	2.82	54.0	7.34	AV	0.00	300	Vertical	Pass



## 1 GHz to 18 GHz, ANT H VHT40 Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.300	39.22	-17.19	74.0	34.78	Peak	272.00	300	Horizontal	Pass
1**	1478.300	29.78	-17.19	54.0	24.22	AV	272.00	300	Horizontal	Pass
2	2448.800	103.31	-12.26	74.0	-29.31	Peak	65.00	150	Horizontal	N/A
2**	2448.800	95.46	-12.26	54.0	-41.46	AV	65.00	150	Horizontal	N/A
3	4980.600	52.14	-1.58	74.0	21.86	Peak	354.00	150	Horizontal	Pass
3**	4980.600	42.42	-1.58	54.0	11.58	AV	354.00	150	Horizontal	Pass
4	6788.000	55.43	0.28	74.0	18.57	Peak	243.00	100	Horizontal	Pass
4**	6788.000	45.59	0.28	54.0	8.41	AV	243.00	100	Horizontal	Pass
5	12795.150	54.55	1.16	74.0	19.45	Peak	138.00	300	Horizontal	Pass
5**	12795.150	44.66	1.16	54.0	9.34	AV	138.00	300	Horizontal	Pass
6	16202.401	56.28	1.55	74.0	17.72	Peak	138.00	100	Horizontal	Pass
6**	16202.401	45.94	1.55	54.0	8.06	AV	138.00	100	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 7

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1425.900	40.11	-16.93	74.0	33.89	Peak	239.00	300	Vertical	Pass
1**	1425.900	29.85	-16.93	54.0	24.15	AV	239.00	300	Vertical	Pass
2	2446.700	96.50	-12.54	74.0	-22.50	Peak	308.00	200	Vertical	N/A
2**	2446.700	88.47	-12.54	54.0	-34.47	AV	308.00	200	Vertical	N/A
3	4816.400	51.75	-2.28	74.0	22.25	Peak	8.00	150	Vertical	Pass
3**	4816.400	42.25	-2.28	54.0	11.75	AV	8.00	150	Vertical	Pass
4	6827.000	54.87	0.07	74.0	19.13	Peak	0.00	100	Vertical	Pass
4**	6827.000	44.85	0.07	54.0	9.15	AV	0.00	100	Vertical	Pass
5	12909.075	53.62	1.39	74.0	20.38	Peak	14.00	400	Vertical	Pass
5**	12909.075	44.44	1.39	54.0	9.56	AV	14.00	400	Vertical	Pass
6	17403.339	56.59	3.27	74.0	17.41	Peak	14.00	300	Vertical	Pass
6**	17403.339	47.35	3.27	54.0	6.65	AV	14.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.100	39.65	-17.10	74.0	34.35	Peak	205.00	400	Horizontal	Pass
1**	1454.100	29.45	-17.10	54.0	24.55	AV	205.00	400	Horizontal	Pass
2	2448.800	103.91	-12.26	74.0	-29.91	Peak	78.00	100	Horizontal	N/A
2**	2448.800	96.18	-12.26	54.0	-42.18	AV	78.00	100	Horizontal	N/A
3	5021.000	51.58	-2.84	74.0	22.42	Peak	207.00	150	Horizontal	Pass
3**	5021.000	42.41	-2.84	54.0	11.59	AV	207.00	150	Horizontal	Pass
4	6807.000	54.78	2.15	74.0	19.22	Peak	0.00	200	Horizontal	Pass
4**	6807.000	45.71	2.15	54.0	8.29	AV	0.00	200	Horizontal	Pass
5	12880.725	53.68	1.57	74.0	20.32	Peak	102.00	200	Horizontal	Pass
5**	12880.725	44.47	1.57	54.0	9.53	AV	102.00	200	Horizontal	Pass
6	13426.987	56.15	0.40	74.0	17.85	Peak	308.00	300	Horizontal	Pass
6**	13426.987	47.06	0.40	54.0	6.94	AV	308.00	300	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.69	-16.88	74.0	34.31	Peak	157.00	400	Vertical	Pass
1**	1493.500	30.02	-16.88	54.0	23.98	AV	157.00	400	Vertical	Pass
2	2450.300	96.69	-12.25	74.0	-22.69	Peak	301.00	200	Vertical	N/A
2**	2450.300	88.74	-12.25	54.0	-34.74	AV	301.00	200	Vertical	N/A
3	5034.000	52.49	-2.40	74.0	21.51	Peak	153.00	150	Vertical	Pass
3**	5034.000	43.27	-2.40	54.0	10.73	AV	153.00	150	Vertical	Pass
4	6804.200	54.71	1.64	74.0	19.29	Peak	55.00	400	Vertical	Pass
4**	6804.200	45.63	1.64	54.0	8.37	AV	55.00	400	Vertical	Pass
5	12708.888	53.71	0.96	74.0	20.29	Peak	360.00	300	Vertical	Pass
5**	12708.888	43.14	0.96	54.0	10.86	AV	360.00	300	Vertical	Pass
6	17395.724	56.38	3.03	74.0	17.62	Peak	344.00	300	Vertical	Pass
6**	17395.724	47.00	3.03	54.0	7.00	AV	344.00	300	Vertical	Pass

## 1 GHz to 18 GHz, ANT H VHT40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.200	39.82	-17.12	74.0	34.18	Peak	92.00	100	Horizontal	Pass
1**	1567.200	29.50	-17.12	54.0	24.50	AV	92.00	100	Horizontal	Pass
2	2447.300	99.16	-12.43	74.0	-25.16	Peak	80.00	200	Horizontal	N/A
2**	2447.300	91.44	-12.43	54.0	-37.44	AV	80.00	200	Horizontal	N/A
3	5090.600	52.58	-1.87	74.0	21.42	Peak	320.00	150	Horizontal	Pass
3**	5090.600	42.69	-1.87	54.0	11.31	AV	320.00	150	Horizontal	Pass
4	6619.400	54.82	0.53	74.0	19.18	Peak	249.00	200	Horizontal	Pass
4**	6619.400	45.10	0.53	54.0	8.90	AV	249.00	200	Horizontal	Pass
5	12843.975	54.12	1.34	74.0	19.88	Peak	360.00	400	Horizontal	Pass
5**	12843.975	44.11	1.34	54.0	9.89	AV	360.00	400	Horizontal	Pass
6	17454.787	56.00	2.84	74.0	18.00	Peak	0.00	200	Horizontal	Pass
6**	17454.787	46.63	2.84	54.0	7.37	AV	0.00	200	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V VHT40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.700	40.15	-16.93	74.0	33.85	Peak	203.00	200	Vertical	Pass
1**	1586.700	29.81	-16.93	54.0	24.19	AV	203.00	200	Vertical	Pass
2	2449.700	90.50	-12.25	74.0	-16.50	Peak	310.00	100	Vertical	N/A
2**	2449.700	83.40	-12.25	54.0	-29.40	AV	310.00	100	Vertical	N/A
3	4873.000	51.95	-2.65	74.0	22.05	Peak	352.00	150	Vertical	Pass
3**	4873.000	42.43	-2.65	54.0	11.57	AV	352.00	150	Vertical	Pass
4	6633.000	54.92	-0.56	74.0	19.08	Peak	87.00	400	Vertical	Pass
4**	6633.000	45.43	-0.56	54.0	8.57	AV	87.00	400	Vertical	Pass
5	12823.763	53.58	1.01	74.0	20.42	Peak	2.00	300	Vertical	Pass
5**	12823.763	44.76	1.01	54.0	9.24	AV	2.00	300	Vertical	Pass
6	17425.912	56.09	3.59	74.0	17.91	Peak	64.00	200	Vertical	Pass
6**	17425.912	47.11	3.59	54.0	6.89	AV	64.00	200	Vertical	Pass

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

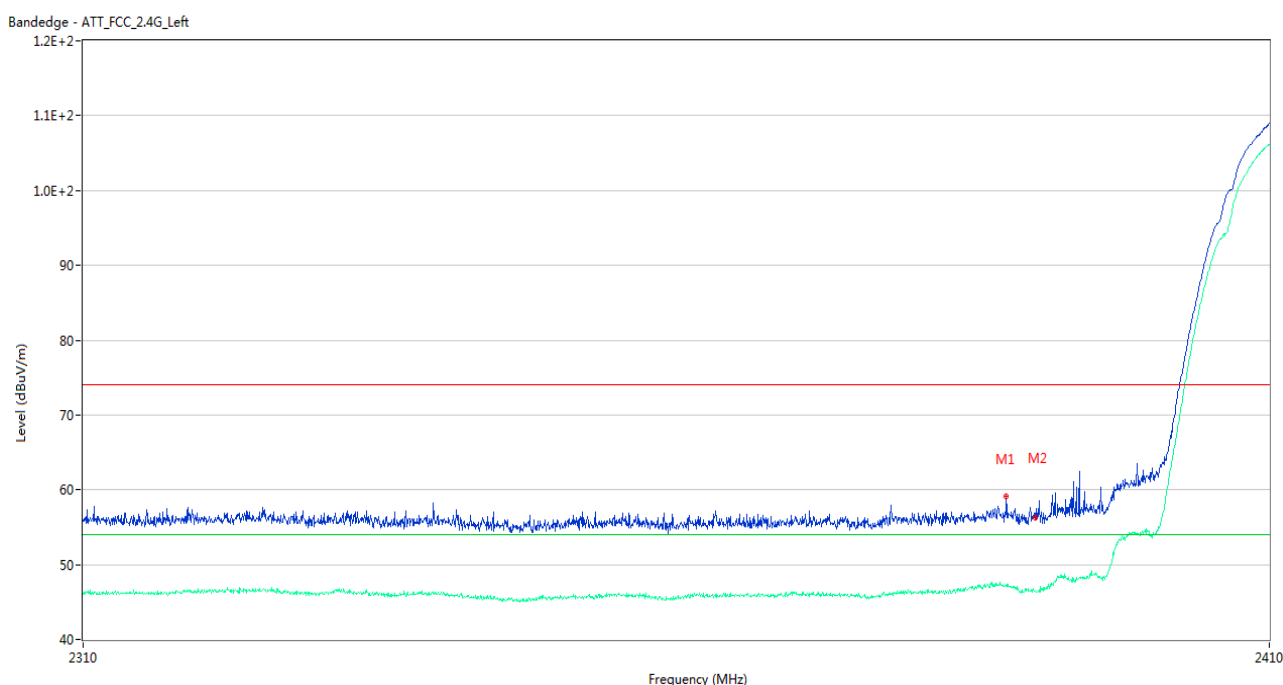
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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

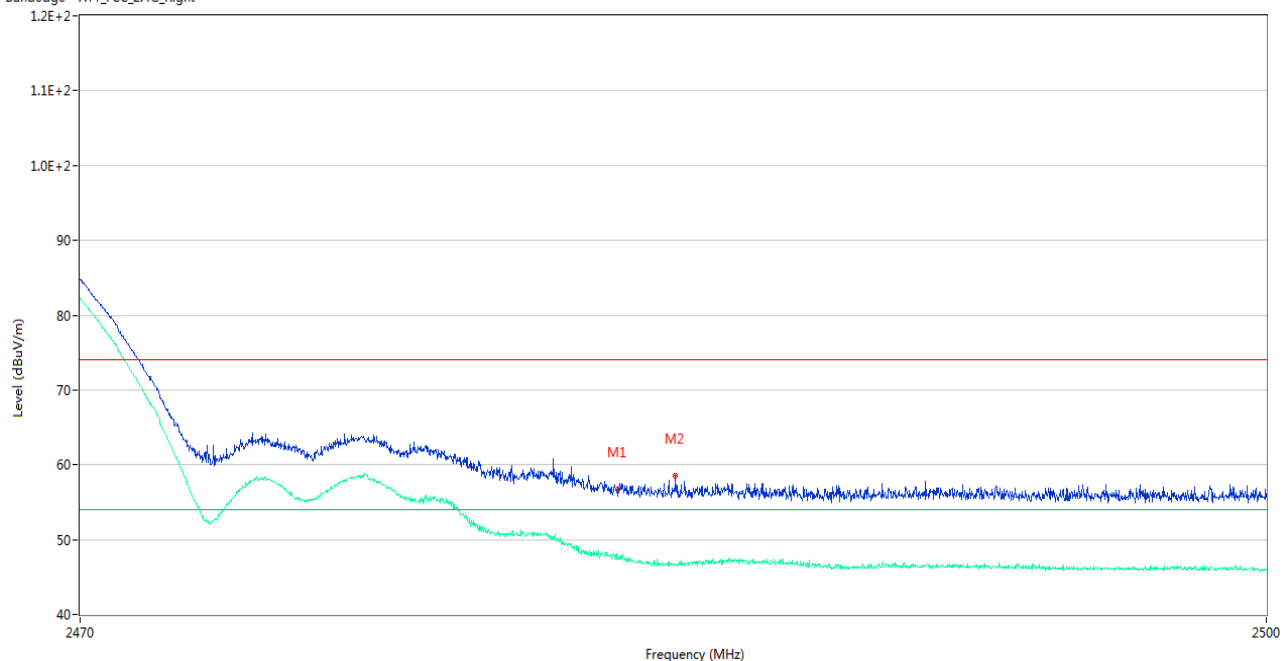
#### 802.11b CHANNEL 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.450	59.07	2.20	74.0	14.93	Peak	265.00	150	Horizontal	Pass
1**	2387.450	47.05	2.20	54.0	6.95	AV	265.00	150	Horizontal	Pass
2	2389.950	56.24	1.92	74.0	17.76	Peak	0.00	150	Horizontal	Pass
2**	2389.950	46.54	1.92	54.0	7.46	AV	0.00	150	Horizontal	Pass

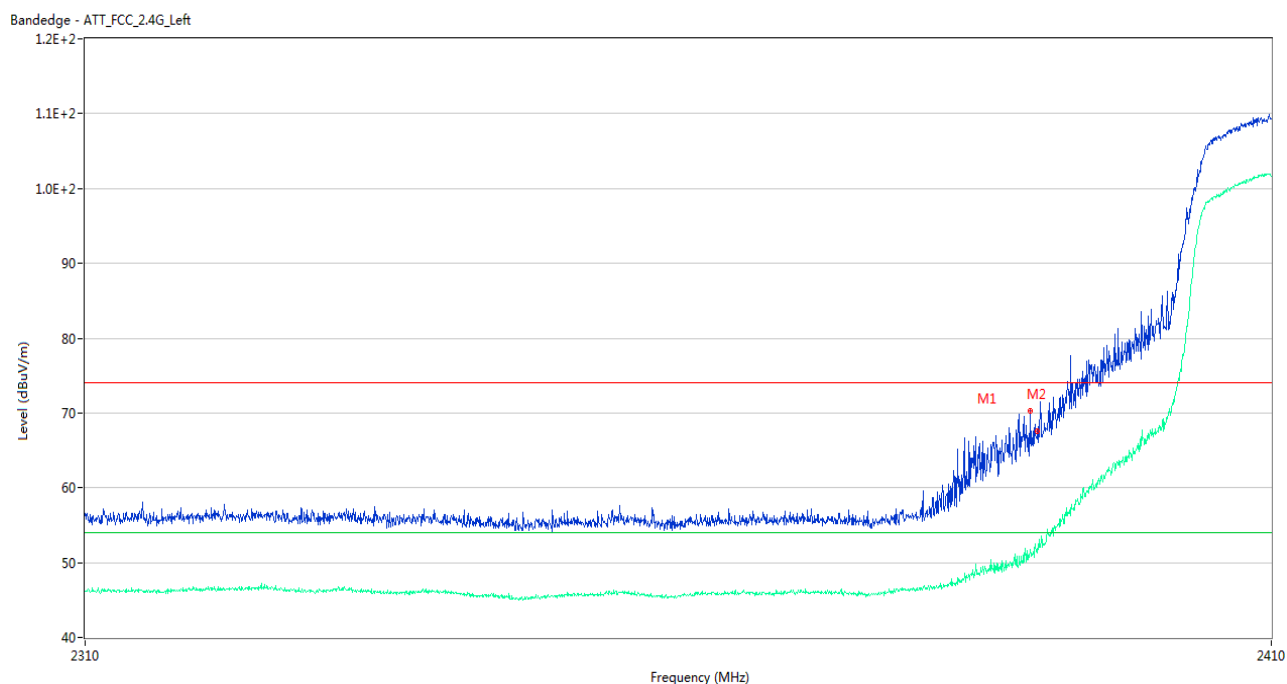
## 802.11b CHANNEL 11

Bandedge - ATT\_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	2483.560	56.75	2.11	74.0	17.25	Peak	85.00	100	Horizontal	Pass
1**	2483.560	47.40	2.11	54.0	6.60	AV	85.00	100	Horizontal	Pass
2	2485.015	58.53	2.06	74.0	15.47	Peak	78.00	150	Horizontal	Pass
2**	2485.015	46.60	2.06	54.0	7.40	AV	78.00	150	Horizontal	Pass

## 802.11g CHANNEL 1

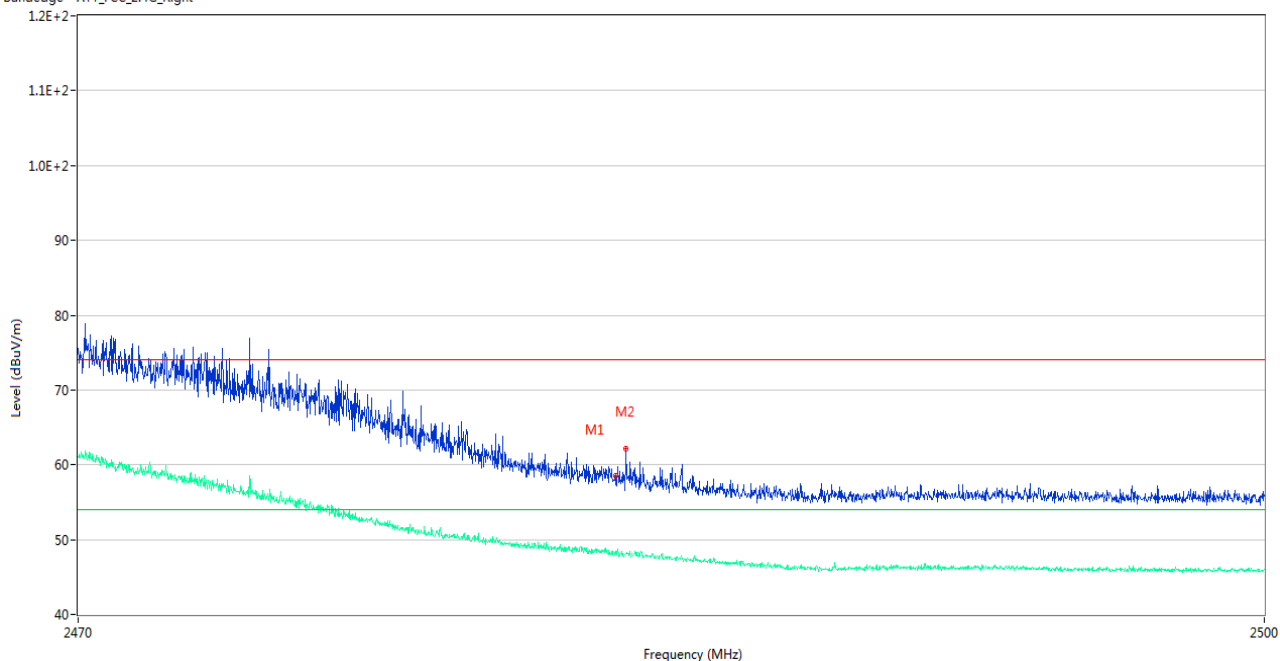


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.300	70.32	1.91	74.0	3.68	Peak	70.00	100	Horizontal	Pass
1**	2389.300	51.66	1.91	54.0	2.34	AV	70.00	100	Horizontal	Pass
2	2389.950	67.56	1.92	74.0	6.44	Peak	70.00	150	Horizontal	Pass
2**	2389.950	51.94	1.92	54.0	2.06	AV	70.00	150	Horizontal	Pass



## 802.11g CHANNEL 10

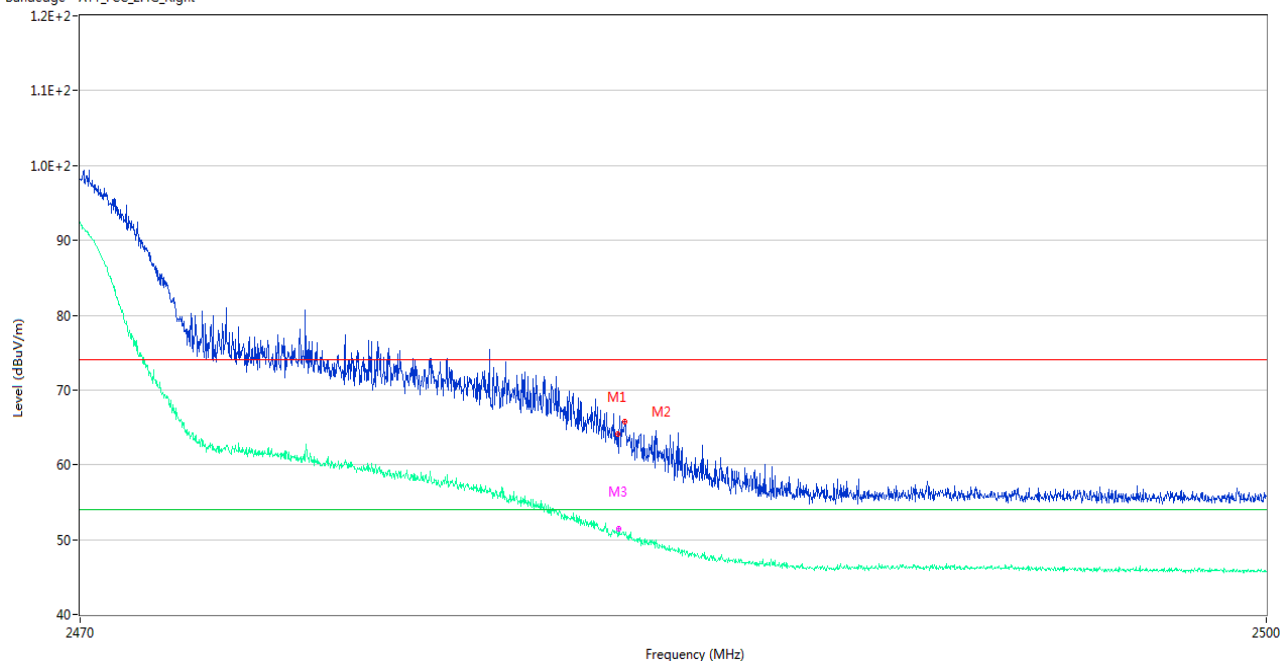
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	58.47	2.11	74.0	15.53	Peak	91.00	150	Horizontal	Pass
1**	2483.545	48.40	2.11	54.0	5.60	AV	91.00	150	Horizontal	Pass
2	2483.815	62.10	2.12	74.0	11.90	Peak	71.00	100	Horizontal	Pass
2**	2483.815	48.12	2.12	54.0	5.88	AV	71.00	100	Horizontal	Pass

## 802.11g CHANNEL 11

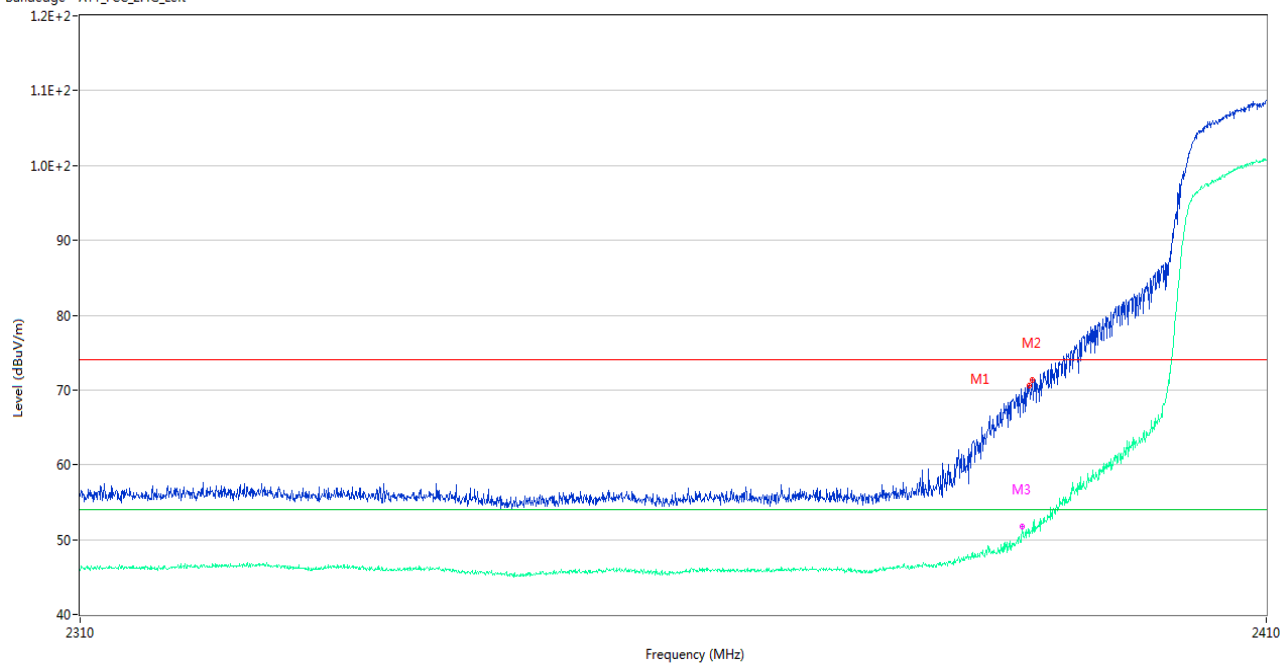
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	64.05	2.11	74.0	9.95	Peak	49.00	200	Horizontal	Pass
1**	2483.545	50.83	2.11	54.0	3.17	AV	49.00	200	Horizontal	Pass
2	2483.725	65.73	2.12	74.0	8.27	Peak	281.00	200	Horizontal	Pass
2**	2483.725	50.51	2.12	54.0	3.49	AV	281.00	200	Horizontal	Pass
3	2483.590	62.99	2.11	74.0	11.01	Peak	283.00	150	Horizontal	Pass
3**	2483.590	51.40	2.11	54.0	2.60	AV	283.00	150	Horizontal	Pass

## 802.11n20 CHANNEL 1

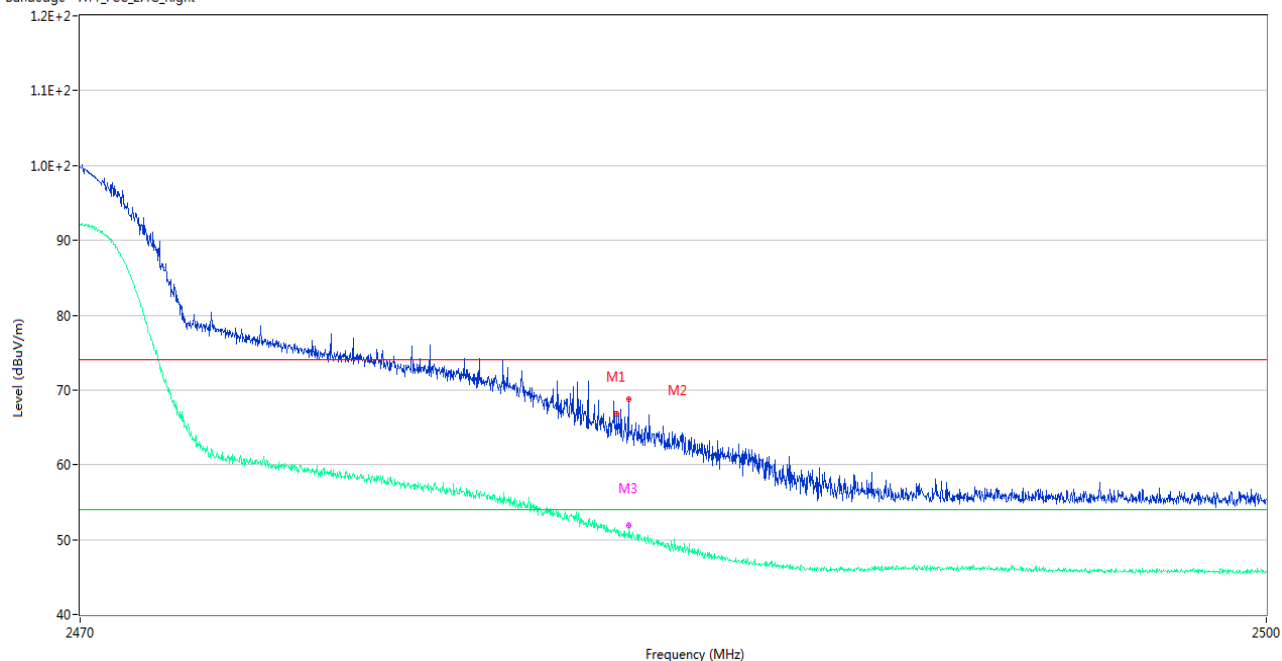
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.650	70.58	1.92	74.0	3.42	Peak	83.00	200	Horizontal	Pass
1**	2389.650	50.43	1.92	54.0	3.57	AV	83.00	200	Horizontal	Pass
2	2389.950	71.32	1.92	74.0	2.68	Peak	74.00	150	Horizontal	Pass
2**	2389.950	50.86	1.92	54.0	3.14	AV	74.00	150	Horizontal	Pass
3	2389.100	68.33	1.90	74.0	5.67	Peak	6.00	150	Horizontal	Pass
3**	2389.100	51.68	1.90	54.0	2.32	AV	6.00	150	Horizontal	Pass

## 802.11n20 CHANNEL 11

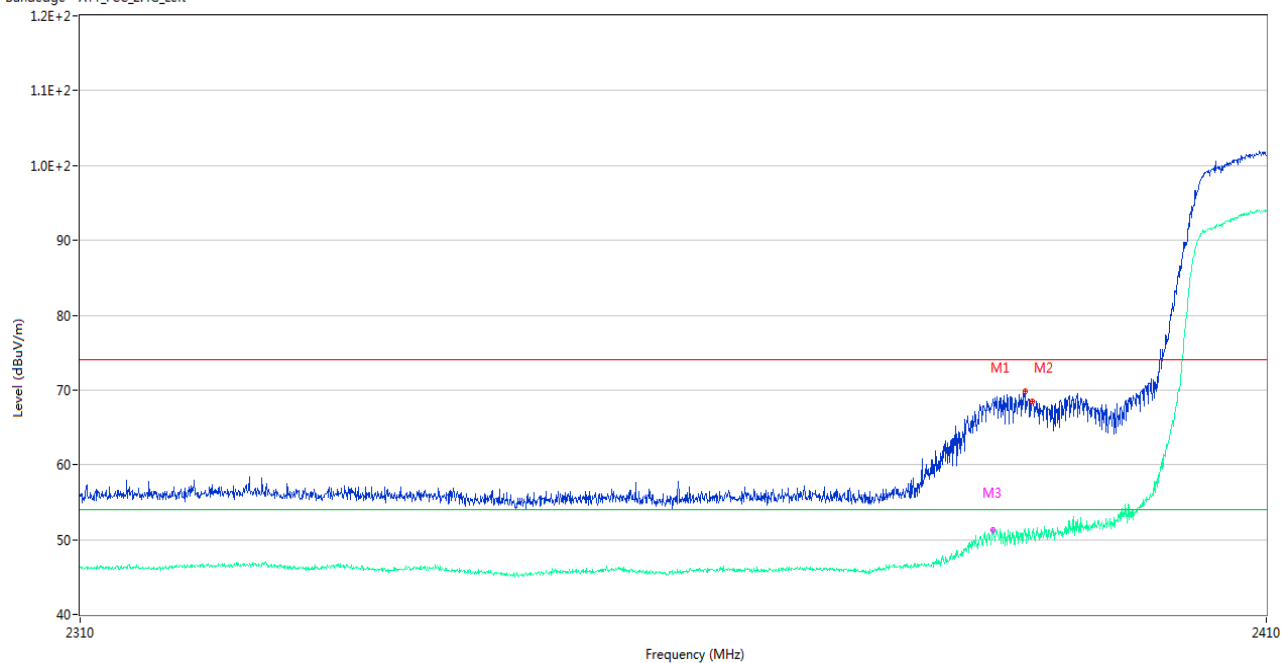
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	66.75	2.11	74.0	7.25	Peak	89.00	150	Horizontal	Pass
1**	2483.515	50.98	2.11	54.0	3.02	AV	89.00	150	Horizontal	Pass
2	2483.830	68.75	2.12	74.0	5.25	Peak	282.00	200	Horizontal	Pass
2**	2483.830	50.32	2.12	54.0	3.68	AV	282.00	200	Horizontal	Pass
3	2483.845	63.84	2.12	74.0	10.16	Peak	16.00	150	Horizontal	Pass
3**	2483.845	51.89	2.12	54.0	2.11	AV	16.00	150	Horizontal	Pass

## 802.11n40 CHANNEL 3

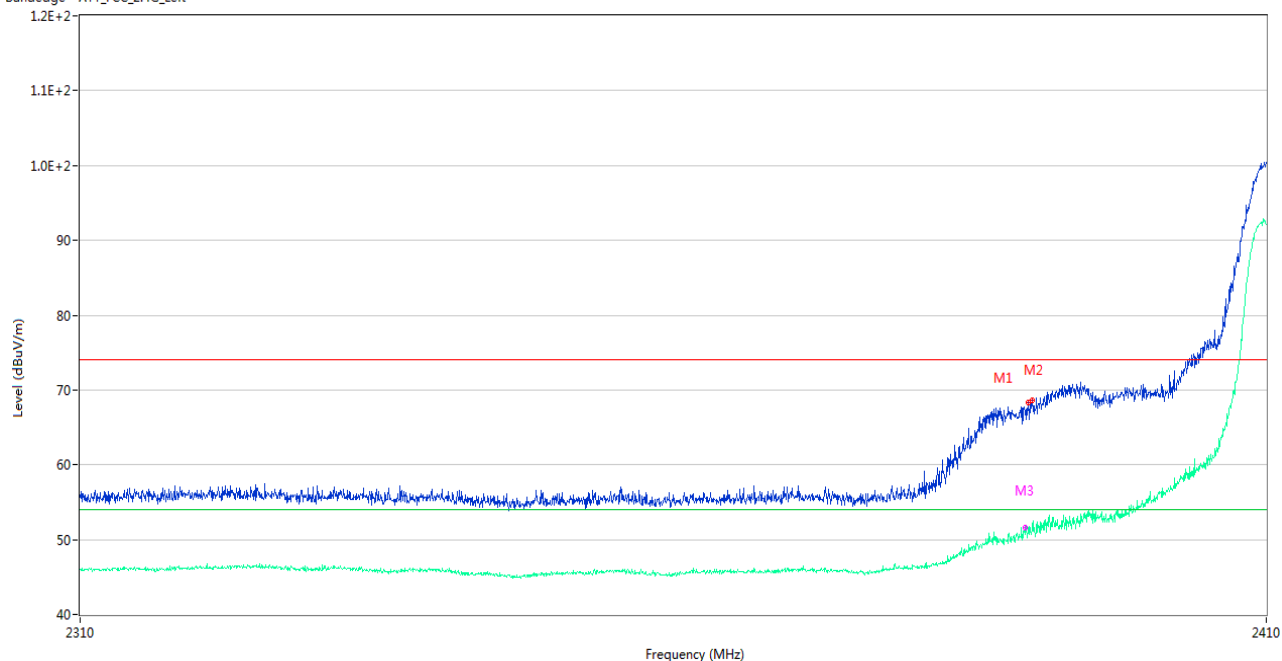
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.300	69.86	1.91	74.0	4.14	Peak	78.00	100	Horizontal	Pass
1**	2389.300	50.50	1.91	54.0	3.50	AV	78.00	100	Horizontal	Pass
2	2389.950	68.46	1.92	74.0	5.54	Peak	75.00	100	Horizontal	Pass
2**	2389.950	51.11	1.92	54.0	2.89	AV	75.00	100	Horizontal	Pass
3	2386.600	68.70	2.41	74.0	5.30	Peak	66.00	150	Horizontal	Pass
3**	2386.600	51.25	2.41	54.0	2.75	AV	66.00	150	Horizontal	Pass

## 802.11n40 CHANNEL 4

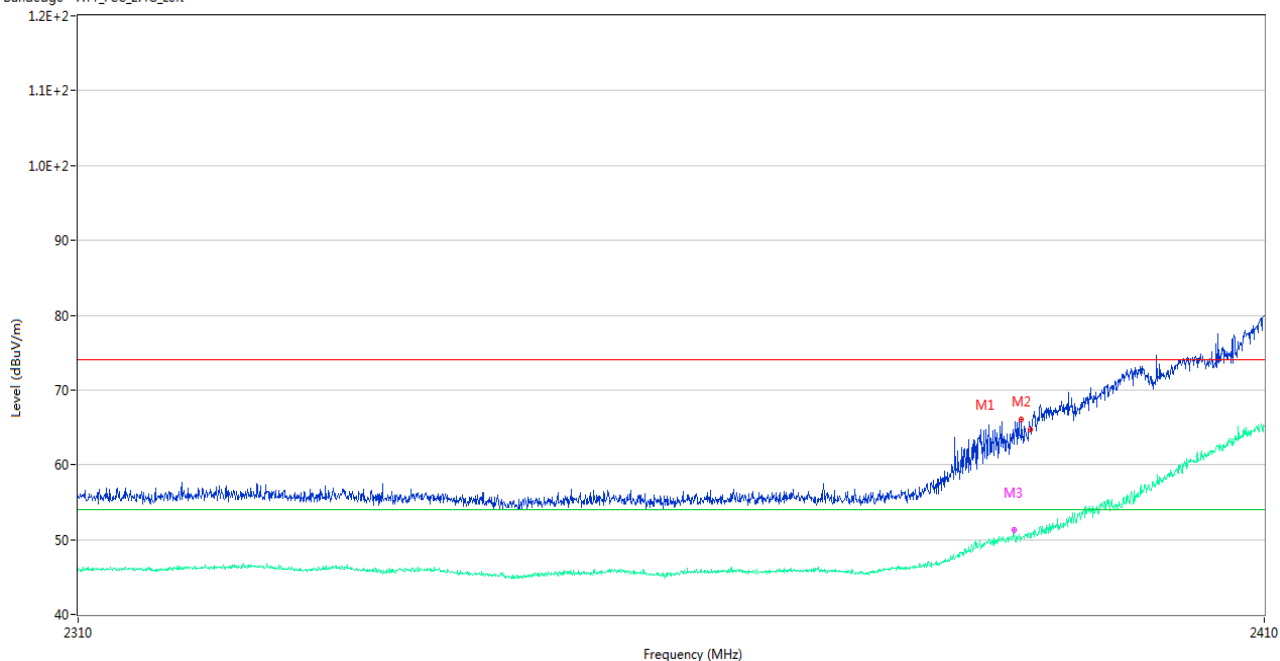
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.600	68.36	1.91	74.0	5.64	Peak	75.00	150	Horizontal	Pass
1**	2389.600	51.45	1.91	54.0	2.55	AV	75.00	150	Horizontal	Pass
2	2389.950	68.55	1.92	74.0	5.45	Peak	82.00	150	Horizontal	Pass
2**	2389.950	51.95	1.92	54.0	2.05	AV	82.00	150	Horizontal	Pass
3	2389.350	66.63	1.91	74.0	7.37	Peak	11.00	150	Horizontal	Pass
3**	2389.350	51.56	1.91	54.0	2.44	AV	11.00	150	Horizontal	Pass

## 802.11n40 CHANNEL 5

Bandedge - ATT\_FCC\_2.4G\_Left

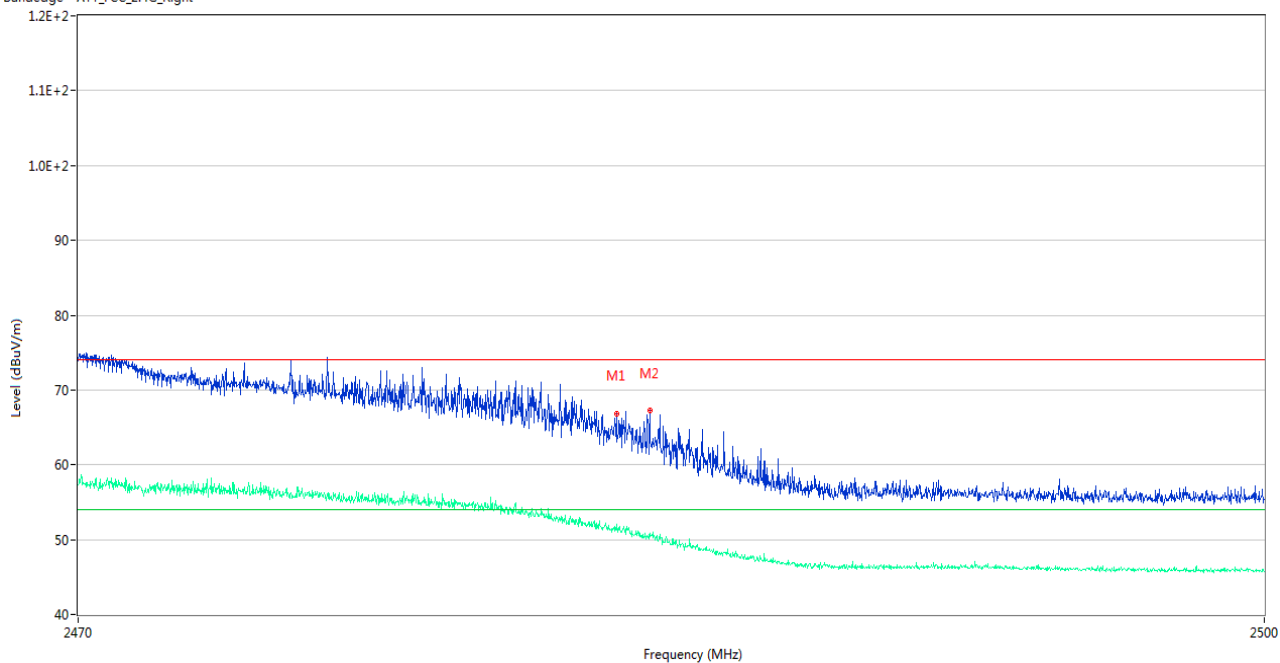


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.200	66.08	1.91	74.0	7.92	Peak	281.00	200	Horizontal	Pass
1**	2389.200	50.18	1.91	54.0	3.82	AV	281.00	200	Horizontal	Pass
2	2389.950	64.68	1.92	74.0	9.32	Peak	64.00	150	Horizontal	Pass
2**	2389.950	50.26	1.92	54.0	3.74	AV	64.00	150	Horizontal	Pass
3	2388.550	62.75	1.94	74.0	11.25	Peak	66.00	150	Horizontal	Pass
3**	2388.550	51.37	1.94	54.0	2.63	AV	66.00	150	Horizontal	Pass



## 802.11n40 CHANNEL 6

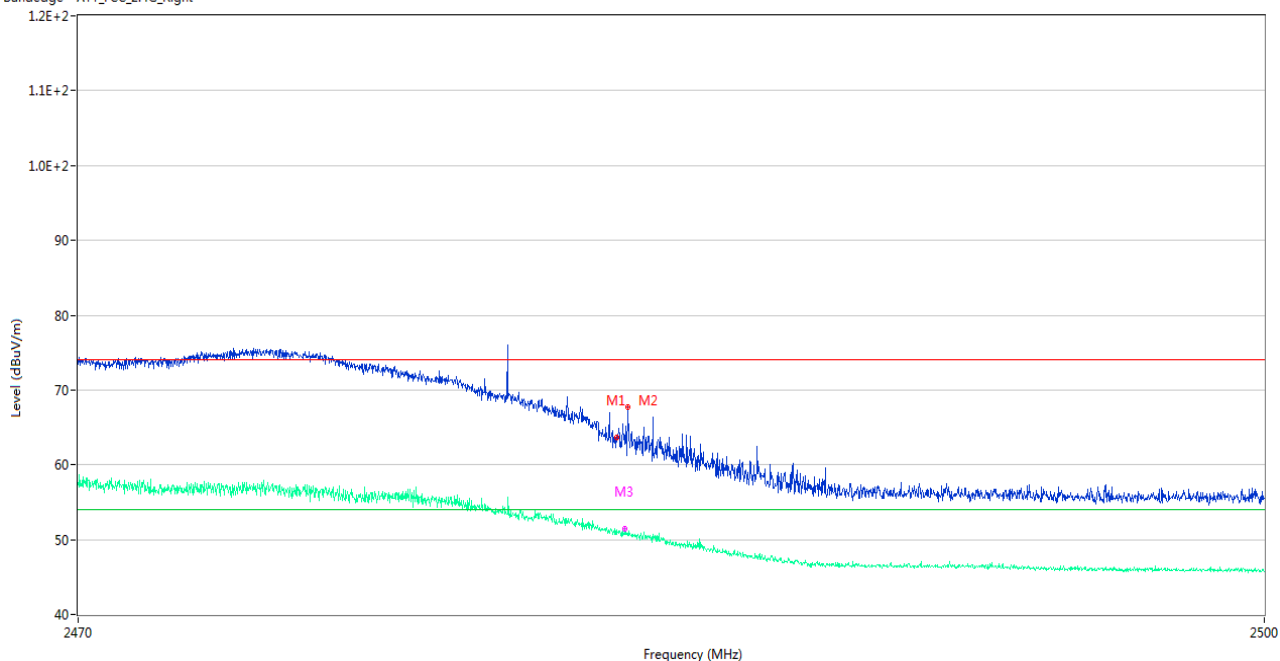
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	66.88	2.11	74.0	7.12	Peak	81.00	100	Horizontal	Pass
1**	2483.575	51.26	2.11	54.0	2.74	AV	81.00	100	Horizontal	Pass
2	2484.415	67.21	2.13	74.0	6.79	Peak	76.00	200	Horizontal	Pass
2**	2484.415	50.79	2.13	54.0	3.21	AV	76.00	200	Horizontal	Pass

## 802.11n40 CHANNEL 7

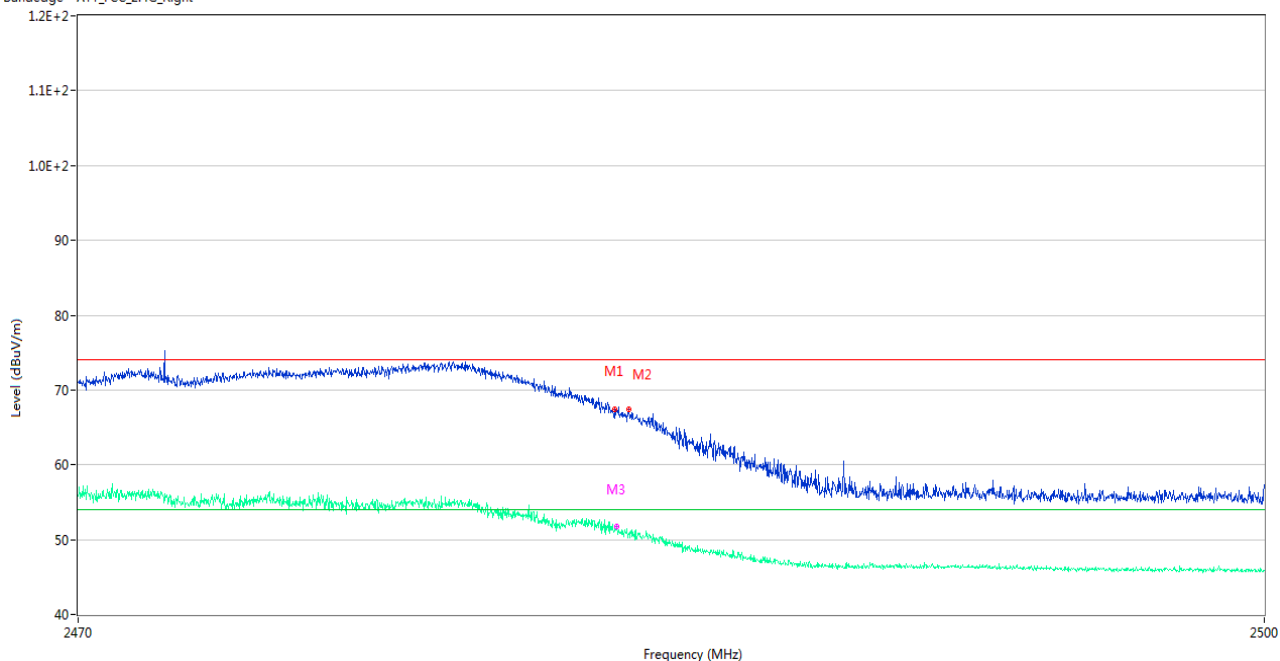
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	63.69	2.11	74.0	10.31	Peak	13.00	150	Horizontal	Pass
1**	2483.575	50.64	2.11	54.0	3.36	AV	13.00	150	Horizontal	Pass
2	2483.860	67.78	2.12	74.0	6.22	Peak	13.00	150	Horizontal	Pass
2**	2483.860	50.59	2.12	54.0	3.41	AV	13.00	150	Horizontal	Pass
3	2483.785	62.81	2.12	74.0	11.19	Peak	328.00	150	Horizontal	Pass
3**	2483.785	51.45	2.12	54.0	2.55	AV	328.00	150	Horizontal	Pass

## 802.11n40 CHANNEL 8

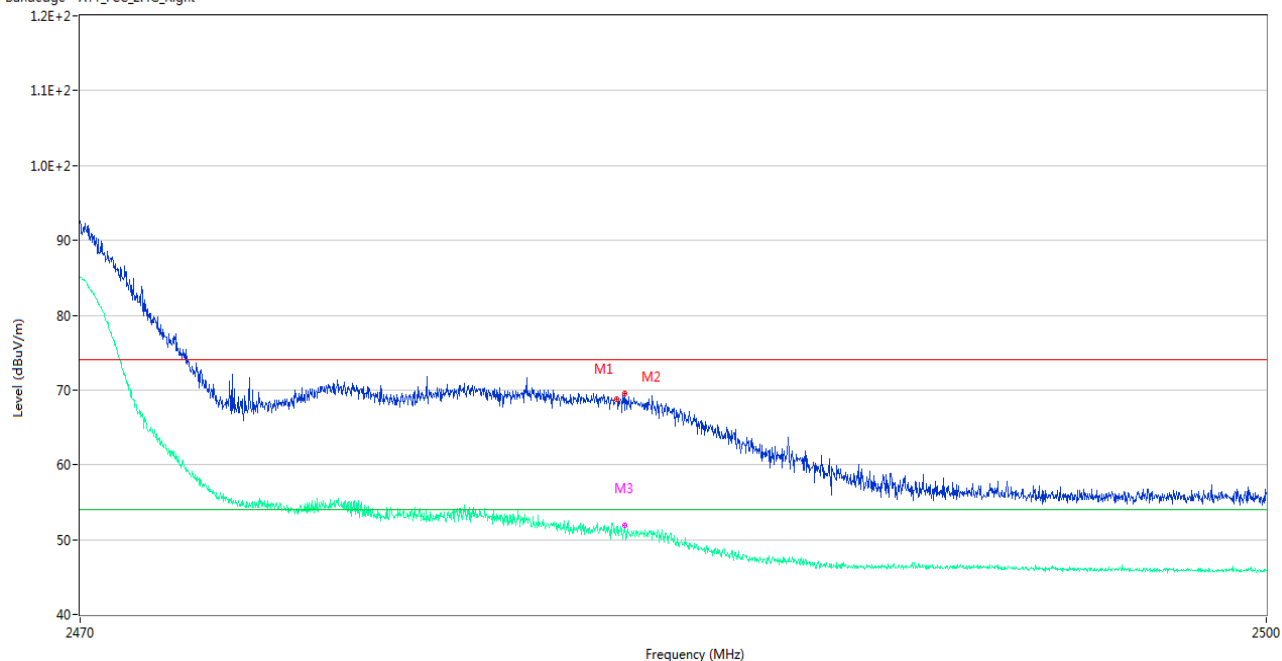
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	67.49	2.11	74.0	6.51	Peak	290.00	200	Horizontal	Pass
1**	2483.515	51.16	2.11	54.0	2.84	AV	290.00	200	Horizontal	Pass
2	2483.890	67.47	2.12	74.0	6.53	Peak	287.00	100	Horizontal	Pass
2**	2483.890	50.81	2.12	54.0	3.19	AV	287.00	100	Horizontal	Pass
3	2483.590	67.06	2.11	74.0	6.94	Peak	280.00	150	Horizontal	Pass
3**	2483.590	51.73	2.11	54.0	2.27	AV	280.00	150	Horizontal	Pass

## 802.11n40 CHANNEL 9

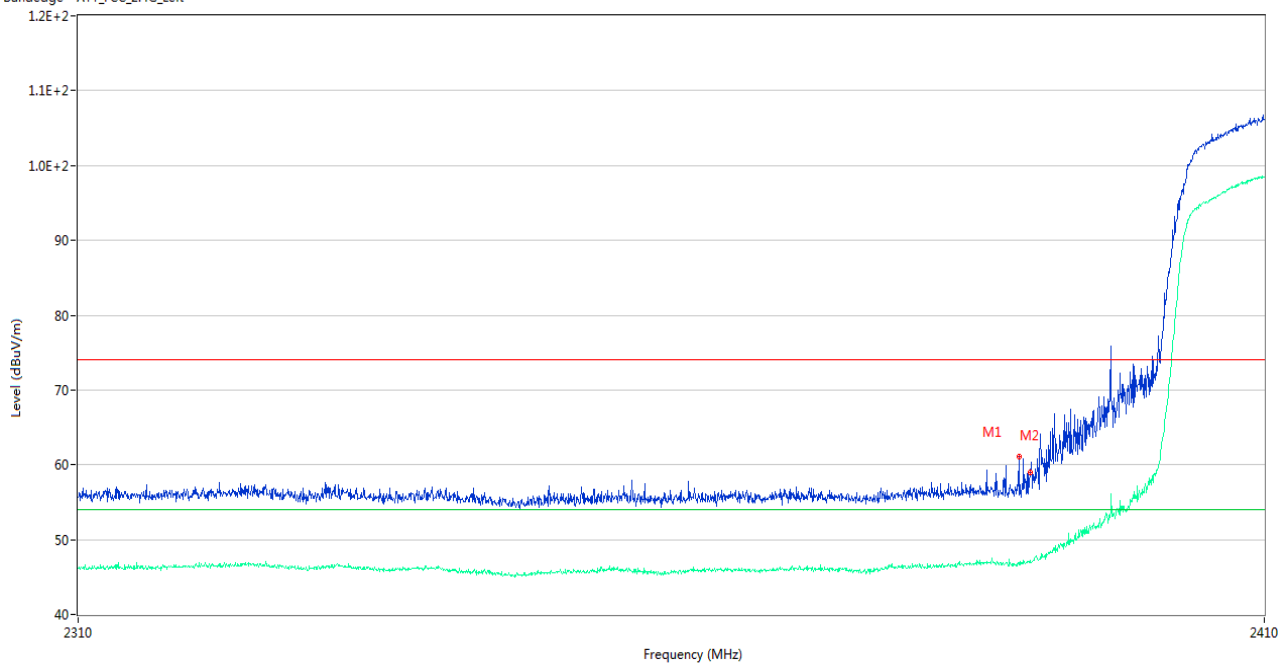
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	68.77	2.11	74.0	5.23	Peak	75.00	150	Horizontal	Pass
1**	2483.530	51.72	2.11	54.0	2.28	AV	75.00	150	Horizontal	Pass
2	2483.725	69.50	2.12	74.0	4.50	Peak	75.00	100	Horizontal	Pass
2**	2483.725	51.27	2.12	54.0	2.73	AV	75.00	100	Horizontal	Pass
3	2483.740	67.29	2.12	74.0	6.71	Peak	281.00	150	Horizontal	Pass
3**	2483.740	51.90	2.12	54.0	2.10	AV	281.00	150	Horizontal	Pass

## VHT20 CHANNEL 1

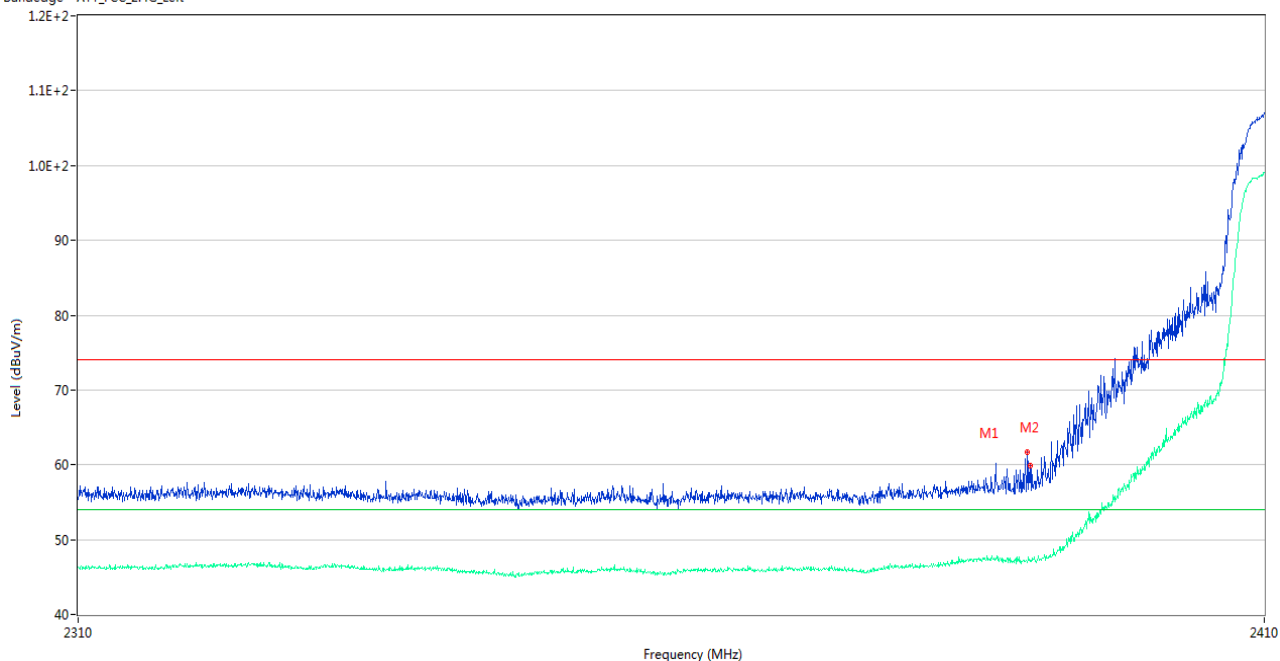
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.950	61.09	1.90	74.0	12.91	Peak	273.00	100	Horizontal	Pass
1**	2388.950	46.67	1.90	54.0	7.33	AV	273.00	100	Horizontal	Pass
2	2389.950	58.96	1.92	74.0	15.04	Peak	57.00	150	Horizontal	Pass
2**	2389.950	46.98	1.92	54.0	7.02	AV	57.00	150	Horizontal	Pass

## VHT20 CHANNEL 2

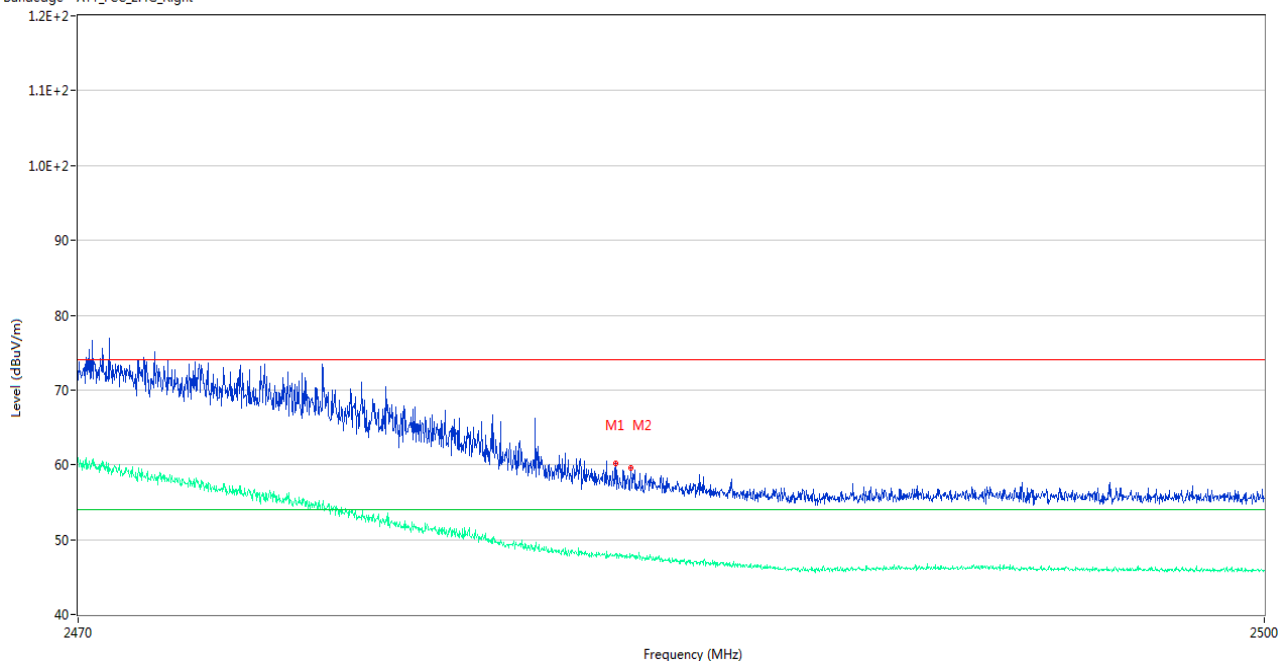
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.700	61.62	1.92	74.0	12.38	Peak	81.00	200	Horizontal	Pass
1**	2389.700	46.90	1.92	54.0	7.10	AV	81.00	200	Horizontal	Pass
2	2389.950	59.94	1.92	74.0	14.06	Peak	71.00	200	Horizontal	Pass
2**	2389.950	47.06	1.92	54.0	6.94	AV	71.00	200	Horizontal	Pass

## VHT20 CHANNEL 10

Bandedge - ATT\_FCC\_2.4G\_Right

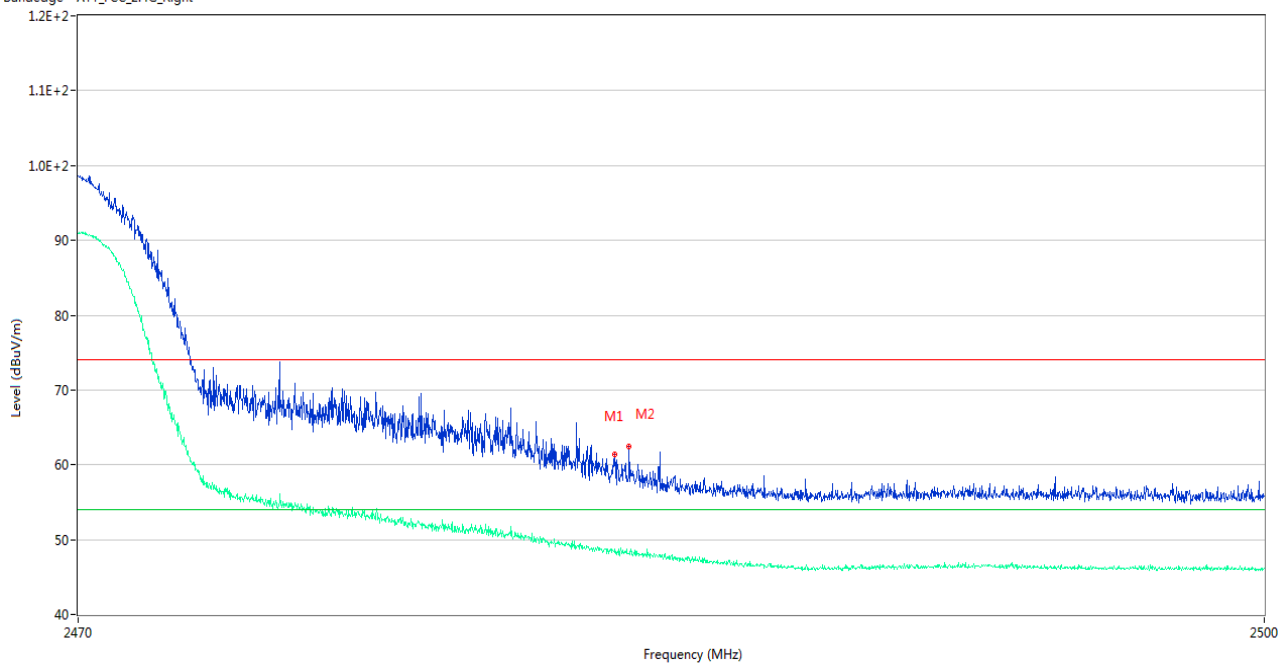


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	60.24	2.11	74.0	13.76	Peak	296.00	200	Horizontal	Pass
1**	2483.545	48.19	2.11	54.0	5.81	AV	296.00	200	Horizontal	Pass
2	2483.935	59.62	2.12	74.0	14.38	Peak	79.00	200	Horizontal	Pass
2**	2483.935	47.70	2.12	54.0	6.30	AV	79.00	200	Horizontal	Pass



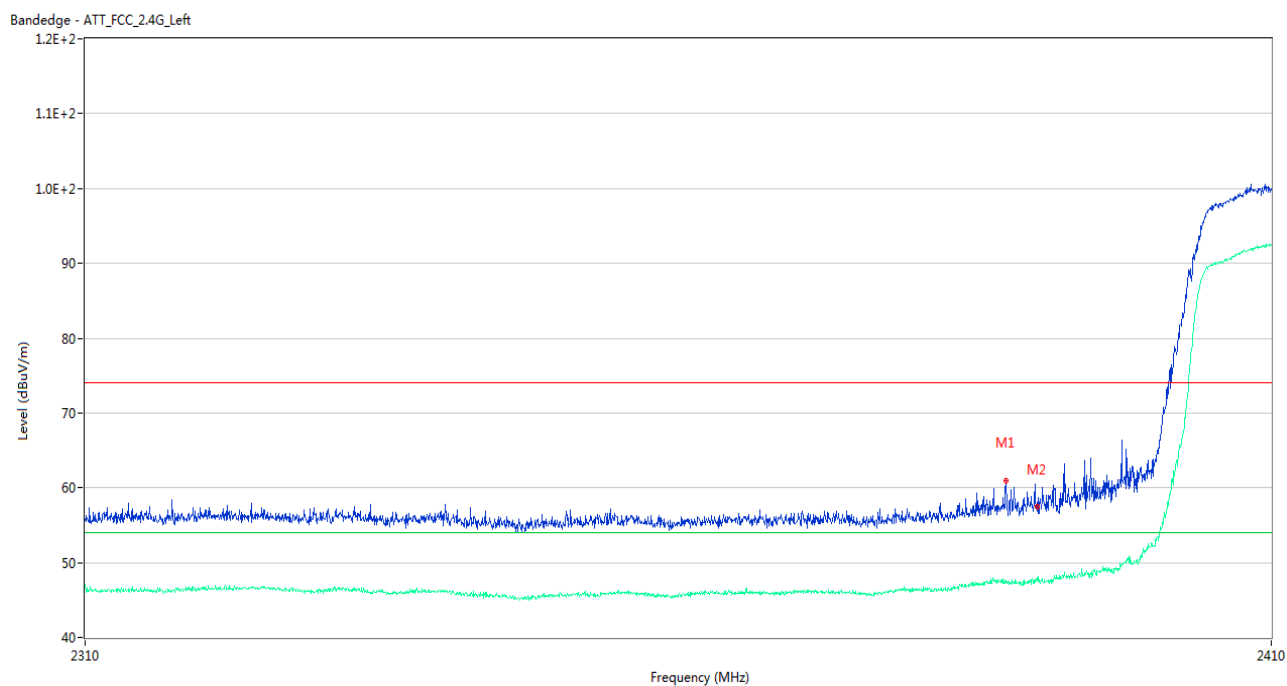
## VHT20 CHANNEL 11

Bandedge - ATT\_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	61.44	2.11	74.0	12.56	Peak	71.00	200	Horizontal	Pass
1**	2483.530	48.69	2.11	54.0	5.31	AV	71.00	200	Horizontal	Pass
2	2483.890	62.44	2.12	74.0	11.56	Peak	13.00	150	Horizontal	Pass
2**	2483.890	48.12	2.12	54.0	5.88	AV	13.00	150	Horizontal	Pass

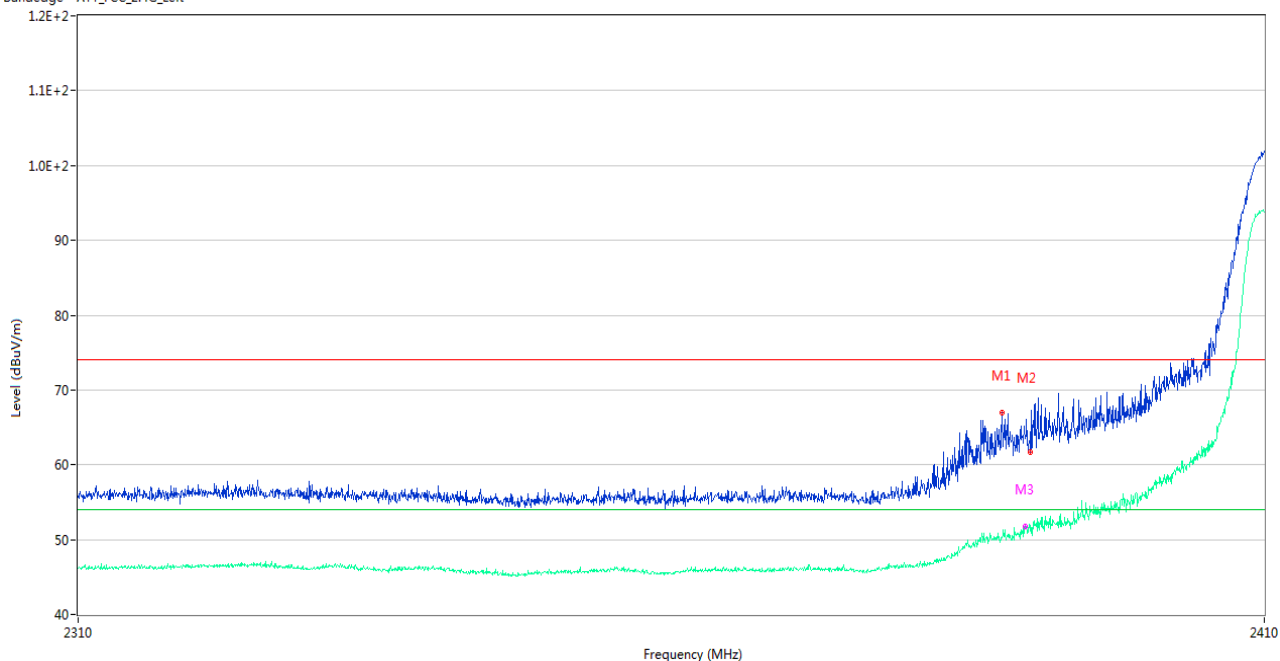
## VHT40 CHANNEL 3



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.250	61.01	2.25	74.0	12.99	Peak	61.00	200	Horizontal	Pass
1**	2387.250	47.53	2.25	54.0	6.47	AV	61.00	200	Horizontal	Pass
2	2389.950	57.51	1.92	74.0	16.49	Peak	82.00	100	Horizontal	Pass
2**	2389.950	47.60	1.92	54.0	6.40	AV	82.00	100	Horizontal	Pass

## VHT40 CHANNEL 4

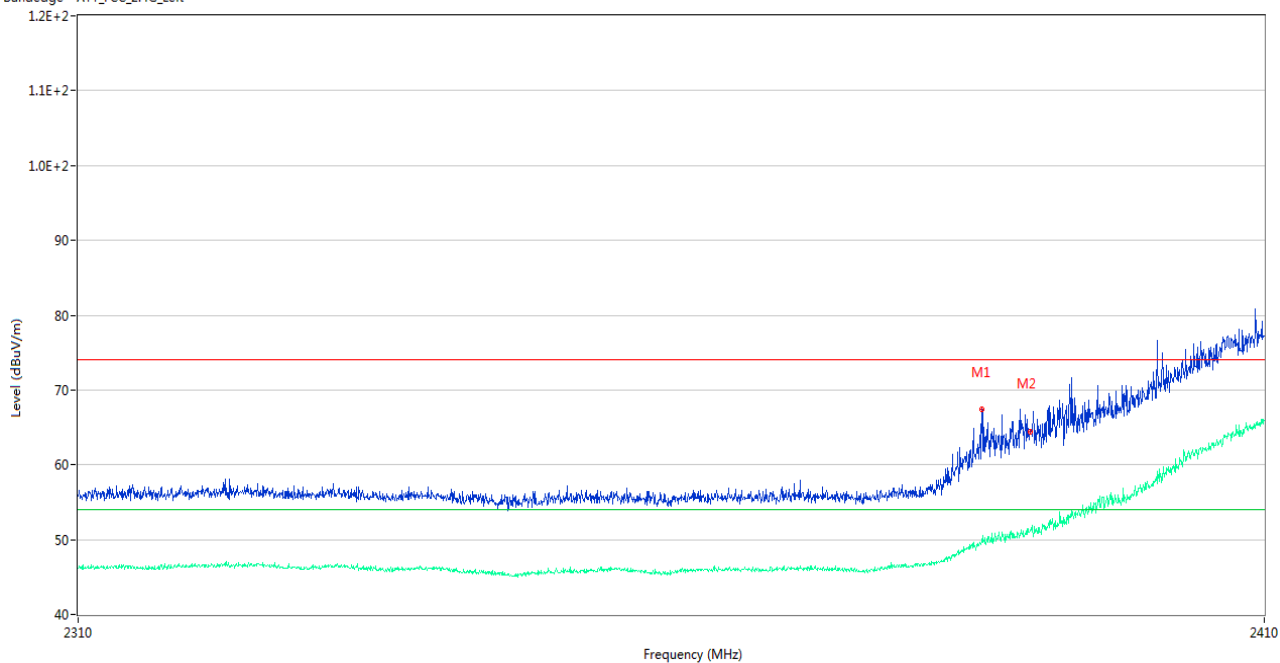
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.500	66.91	2.19	74.0	7.09	Peak	12.00	200	Horizontal	Pass
1**	2387.500	50.18	2.19	54.0	3.82	AV	12.00	200	Horizontal	Pass
2	2389.950	61.66	1.92	74.0	12.34	Peak	94.00	150	Horizontal	Pass
2**	2389.950	51.51	1.92	54.0	2.49	AV	94.00	150	Horizontal	Pass
3	2389.500	63.56	1.91	74.0	10.44	Peak	73.00	150	Horizontal	Pass
3**	2389.500	51.79	1.91	54.0	2.21	AV	73.00	150	Horizontal	Pass

## VHT40 CHANNEL 5

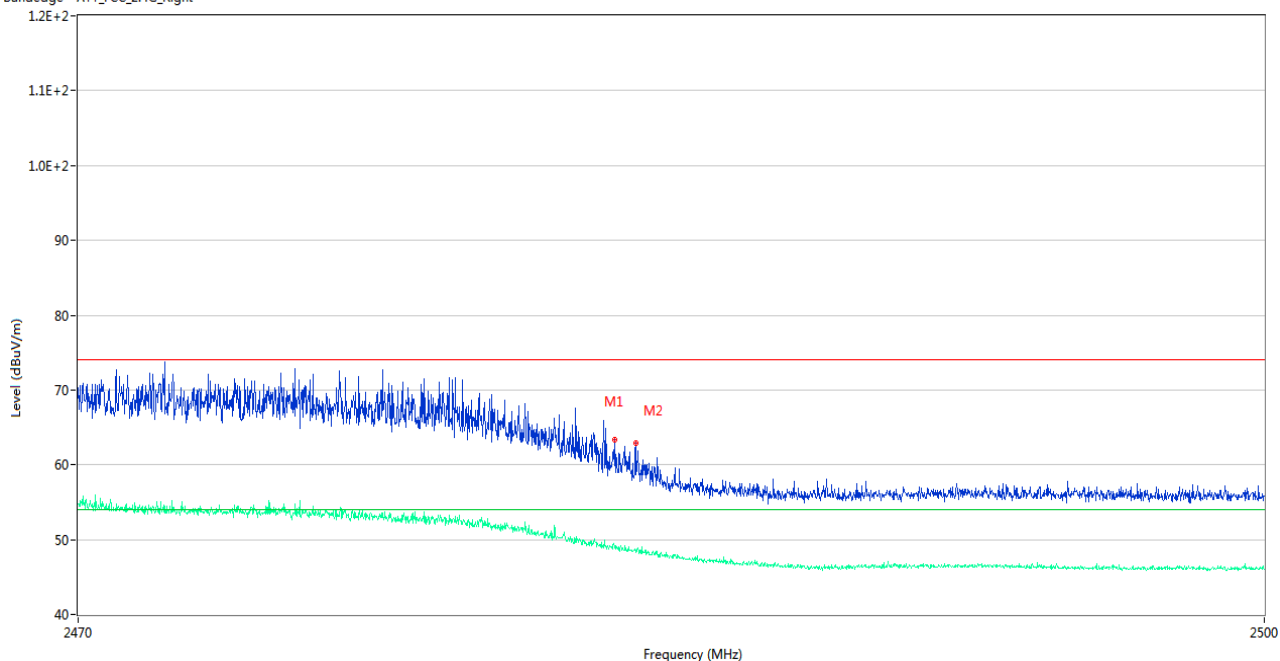
Bandedge - ATT\_FCC\_2.4G\_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.800	67.43	2.41	74.0	6.57	Peak	76.00	150	Horizontal	Pass
1**	2385.800	49.66	2.41	54.0	4.34	AV	76.00	150	Horizontal	Pass
2	2389.950	64.37	1.92	74.0	9.63	Peak	62.00	100	Horizontal	Pass
2**	2389.950	51.24	1.92	54.0	2.76	AV	62.00	100	Horizontal	Pass

## VHT40 CHANNEL 5

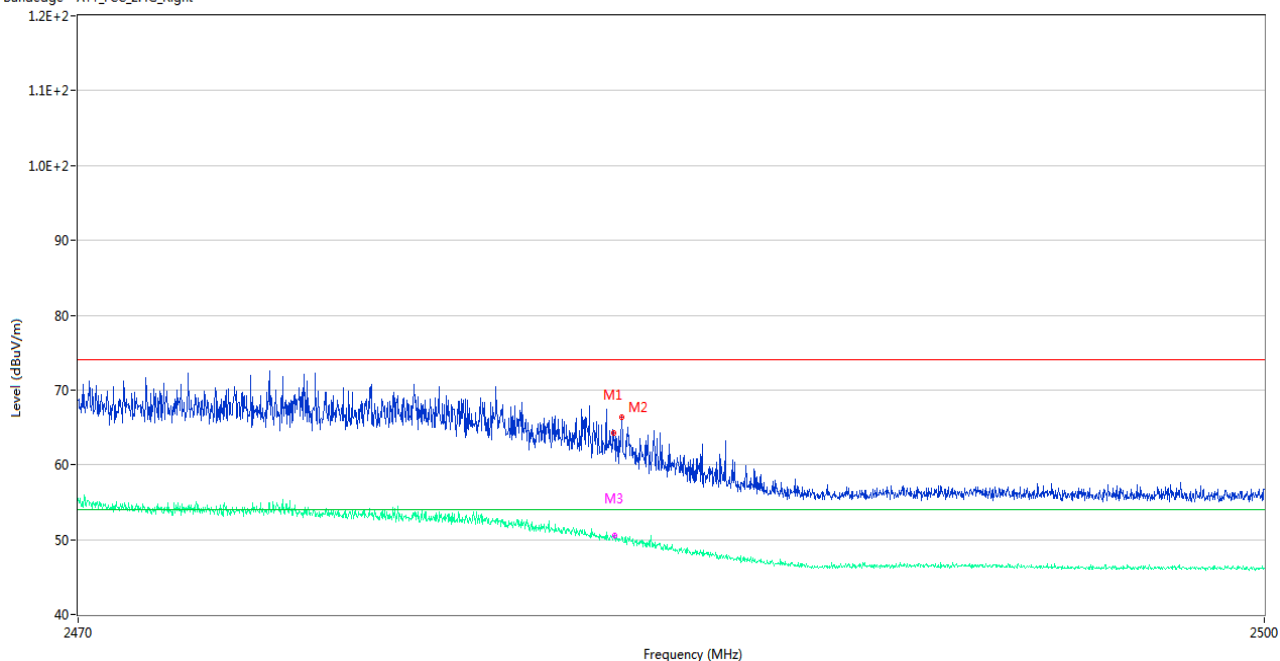
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	63.40	2.11	74.0	10.60	Peak	70.00	150	Horizontal	Pass
1**	2483.515	48.98	2.11	54.0	5.02	AV	70.00	150	Horizontal	Pass
2	2484.055	62.84	2.13	74.0	11.16	Peak	9.00	150	Horizontal	Pass
2**	2484.055	48.56	2.13	54.0	5.44	AV	9.00	150	Horizontal	Pass

## VHT40 CHANNEL 6

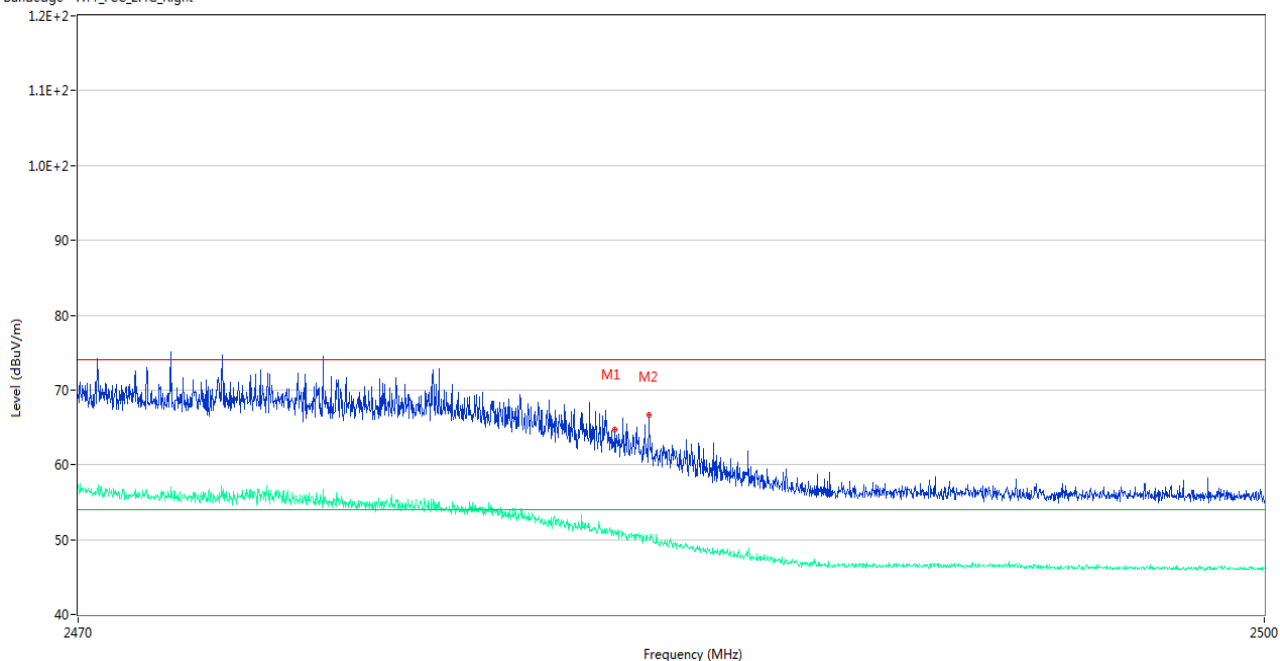
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.31	2.11	74.0	9.69	Peak	283.00	200	Horizontal	Pass
1**	2483.500	50.39	2.11	54.0	3.61	AV	283.00	200	Horizontal	Pass
2	2483.710	66.36	2.12	74.0	7.64	Peak	360.00	200	Horizontal	Pass
2**	2483.710	50.43	2.12	54.0	3.57	AV	360.00	200	Horizontal	Pass
3	2483.530	63.34	2.11	74.0	10.66	Peak	12.00	150	Horizontal	Pass
3**	2483.530	50.62	2.11	54.0	3.38	AV	12.00	150	Horizontal	Pass

## VHT40 CHANNEL 7

Bandedge - ATT\_FCC\_2.4G\_Right

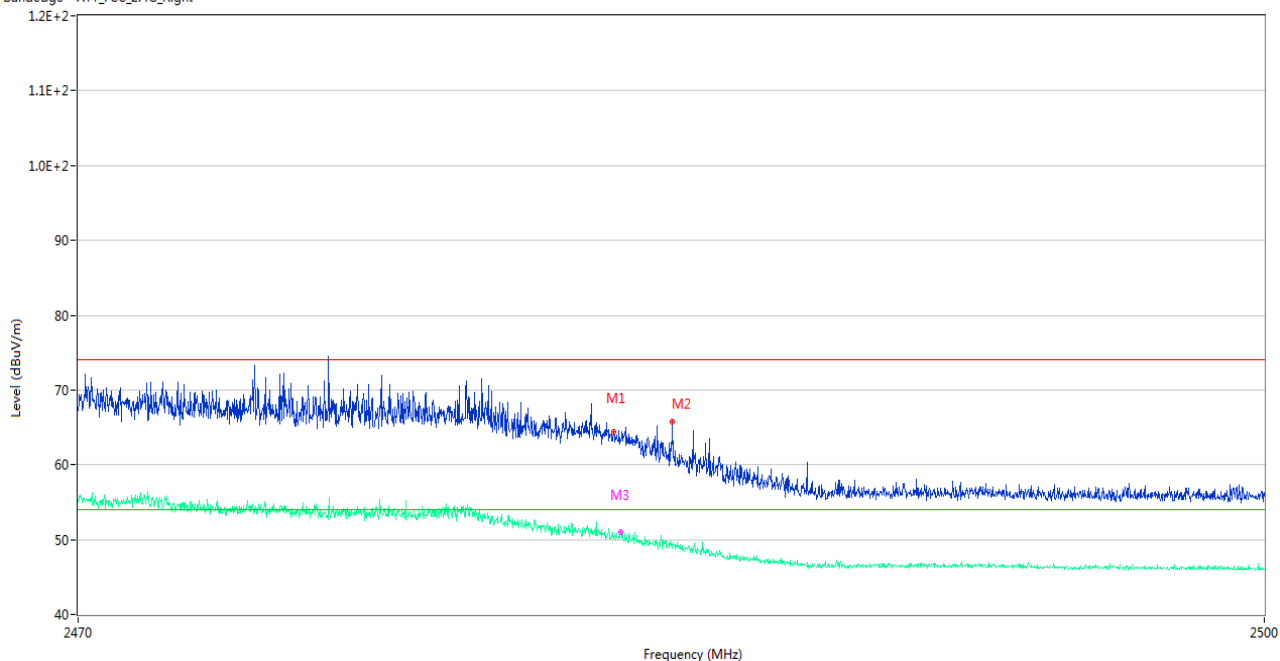


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	64.74	2.11	74.0	9.26	Peak	74.00	100	Horizontal	Pass
1**	2483.530	51.12	2.11	54.0	2.88	AV	74.00	100	Horizontal	Pass
2	2484.385	66.73	2.13	74.0	7.27	Peak	10.00	200	Horizontal	Pass
2**	2484.385	50.04	2.13	54.0	3.96	AV	10.00	200	Horizontal	Pass



## VHT40 CHANNEL 8

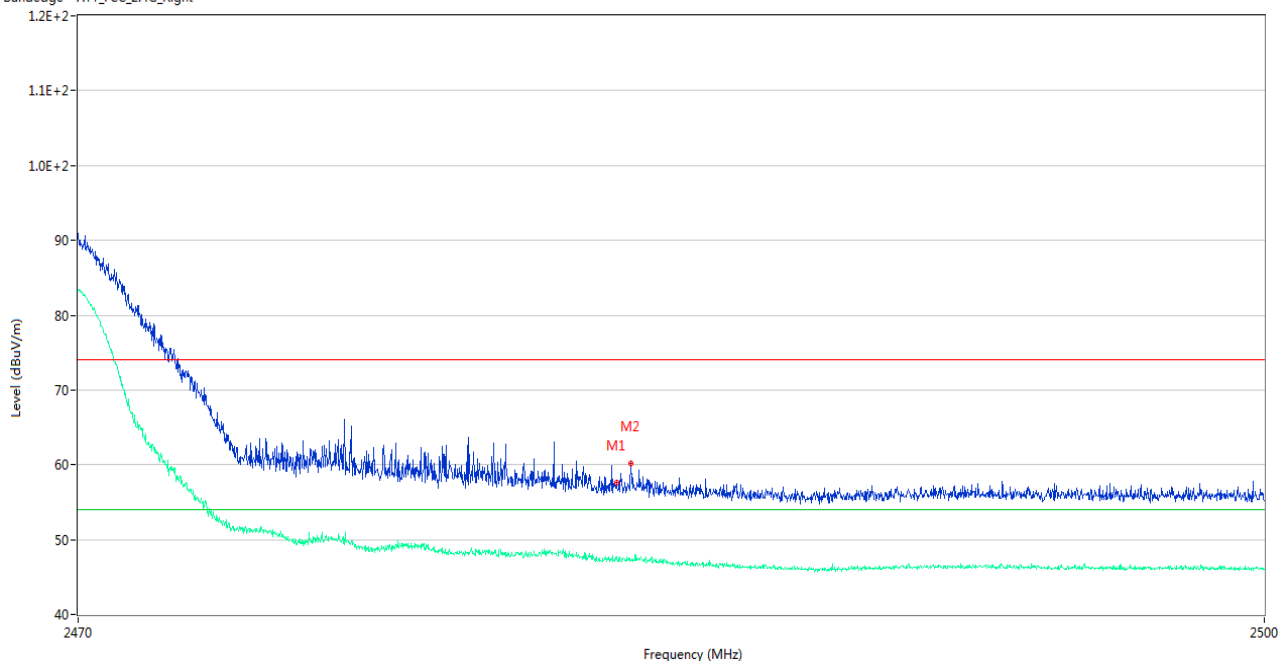
Bandedge - ATT\_FCC\_2.4G\_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	64.46	2.11	74.0	9.54	Peak	76.00	100	Horizontal	Pass
1**	2483.500	50.12	2.11	54.0	3.88	AV	76.00	100	Horizontal	Pass
2	2484.985	65.78	2.06	74.0	8.22	Peak	63.00	200	Horizontal	Pass
2**	2484.985	49.20	2.06	54.0	4.80	AV	63.00	200	Horizontal	Pass
3	2483.680	63.14	2.11	74.0	10.86	Peak	58.00	150	Horizontal	Pass
3**	2483.680	51.01	2.11	54.0	2.99	AV	58.00	150	Horizontal	Pass

## VHT40 CHANNEL 9

Bandedge - ATT\_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	2483.575	57.64	2.11	74.0	16.36	Peak	67.00	150	Horizontal	Pass
1**	2483.575	47.35	2.11	54.0	6.65	AV	67.00	150	Horizontal	Pass
2	2483.935	60.19	2.12	74.0	13.81	Peak	314.00	150	Horizontal	Pass
2**	2483.935	47.28	2.12	54.0	6.72	AV	314.00	150	Horizontal	Pass

## A.8 Power Spectral Density (PSD)

### Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-3.37	8
CH6	-4.17	8
CH11	-3.46	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-7.90	8
CH6	-7.20	8
CH10	-7.96	8
CH11	-7.97	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-9.22	8
CH6	-8.98	8
CH11	-8.62	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH3	-15.43	8
CH4	-14.68	8
CH5	-12.63	8
CH6	-12.00	8
CH7	-11.56	8
CH8	-13.20	8
CH9	-13.59	8

## VHT-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-9.17	8
CH2	-9.34	8
CH6	-9.44	8
CH10	-9.26	8
CH11	-11.73	8

## VHT-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH3	-17.27	8
CH4	-13.16	8
CH5	-12.22	8
CH6	-12.59	8
CH7	-12.18	8
CH8	-12.94	8
CH9	-15.52	8

## Test Plots

802.11b CHANNEL 1



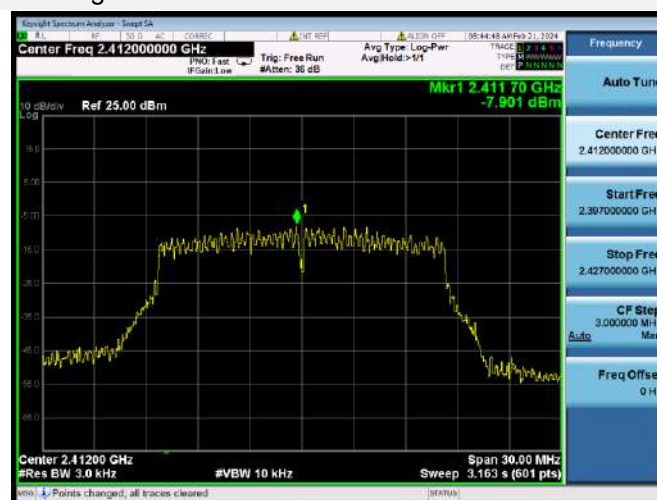
802.11b CHANNEL 6



802.11b CHANNEL 11



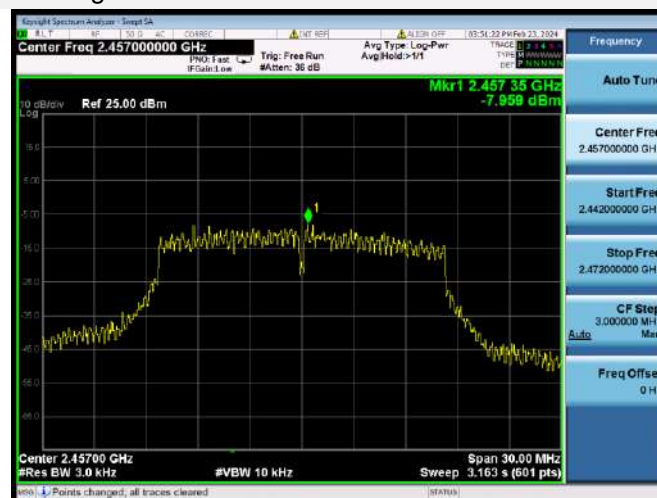
802.11g CHANNEL 1



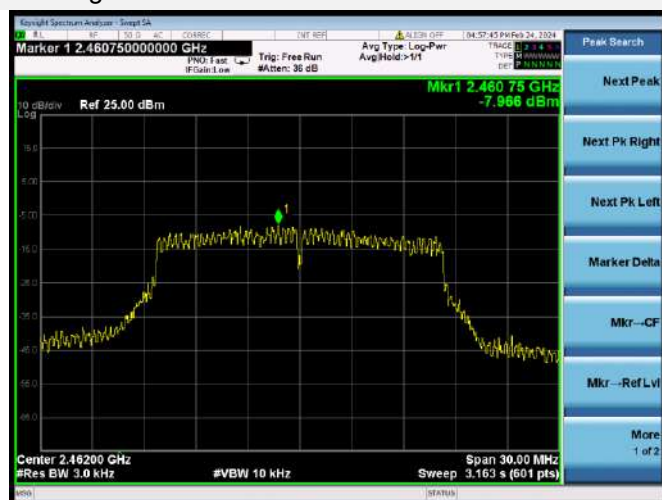
802.11g CHANNEL 6



802.11g CHANNEL 10



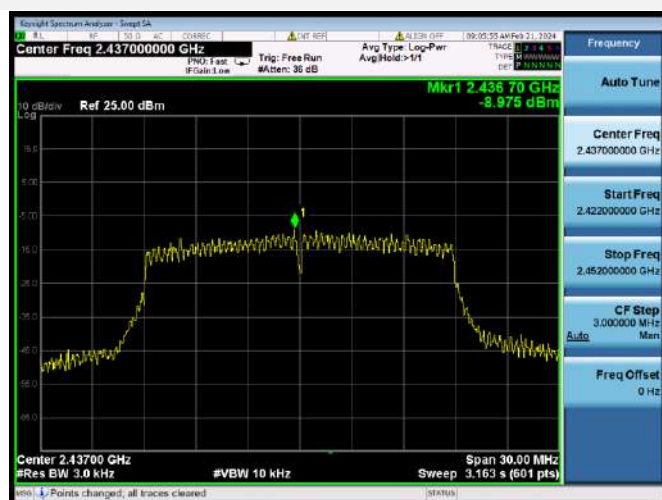
## 802.11g CHANNEL 11



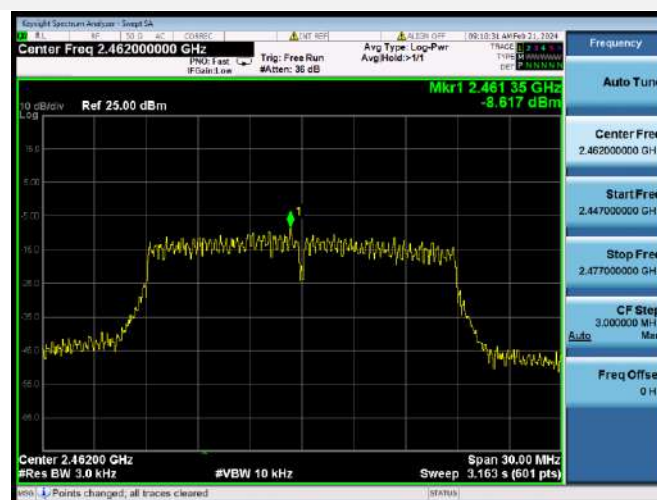
## 802.11n-20 MHz CHANNEL 1



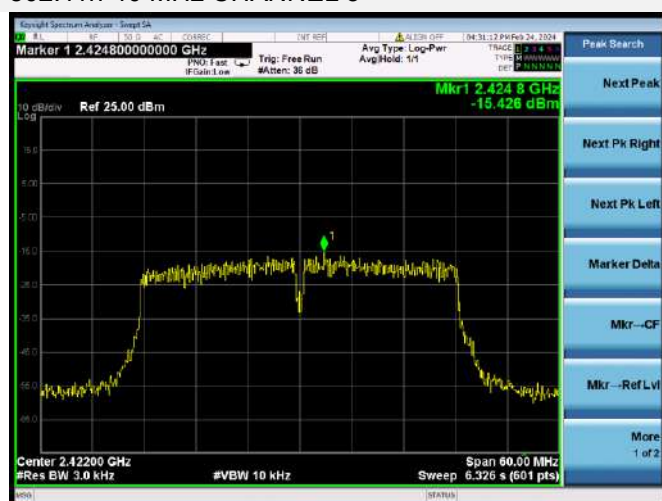
## 802.11n-20 MHz CHANNEL 6



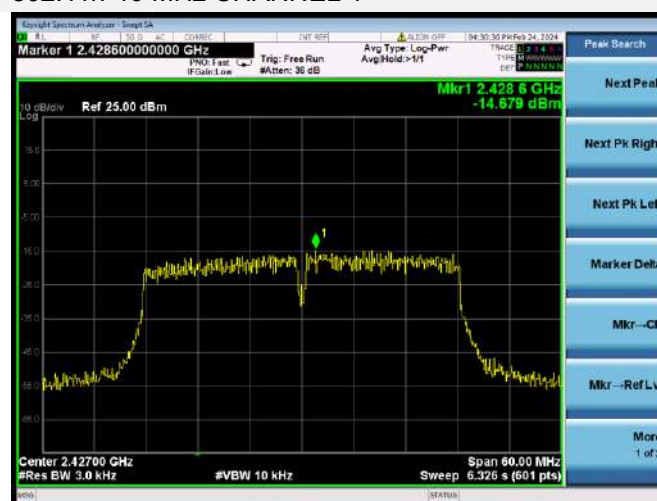
## 802.11n-20 MHz CHANNEL 11



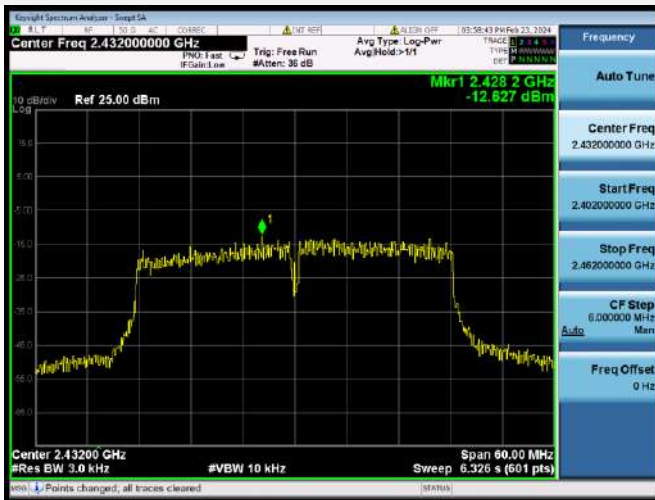
## 802.11n-40 MHz CHANNEL 3



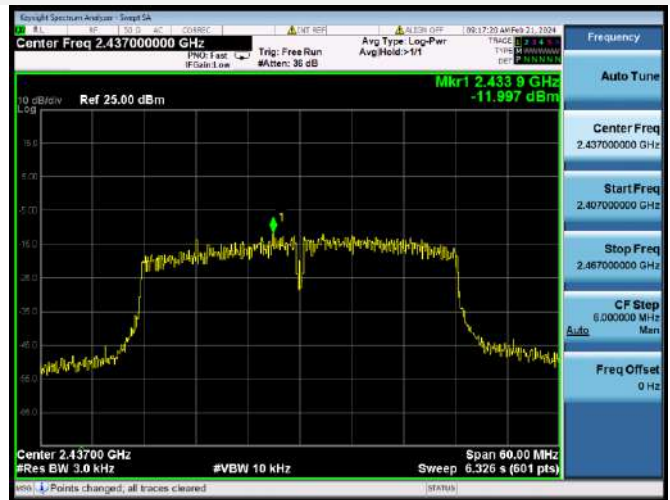
## 802.11n-40 MHz CHANNEL 4



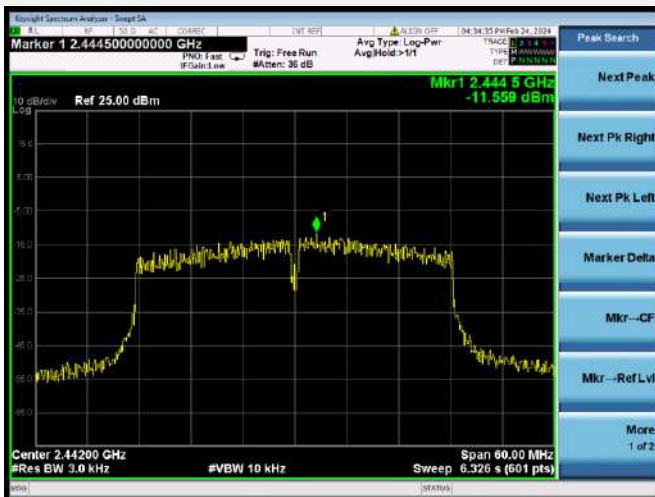
802.11n-40 MHz CHANNEL 5



802.11n-40 MHz CHANNEL 6



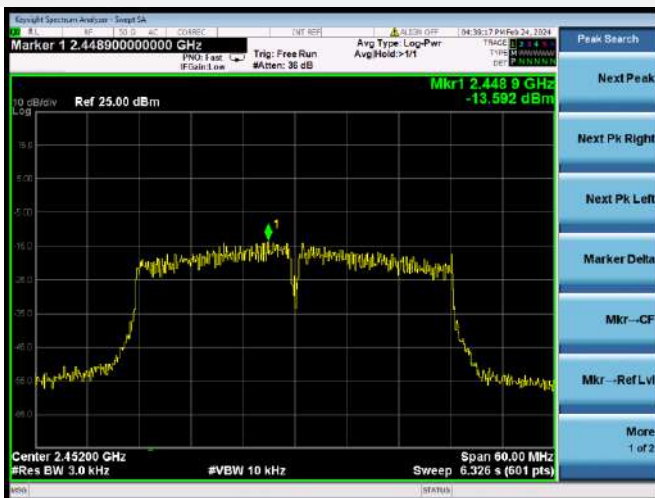
802.11n-40 MHz CHANNEL 7



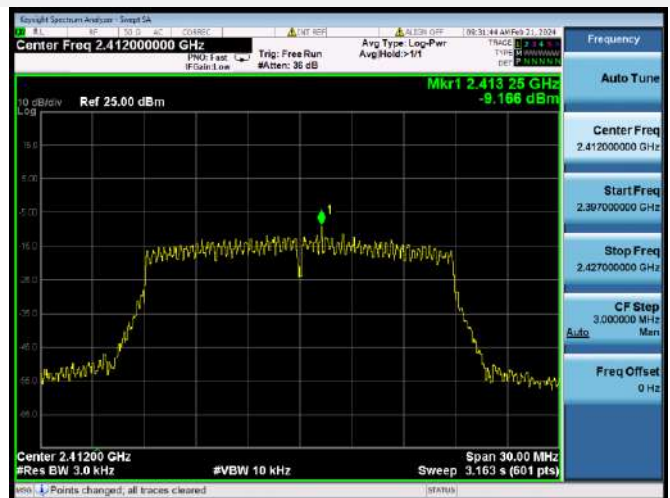
802.11n-40 MHz CHANNEL 8



802.11n-40 MHz CHANNEL 9

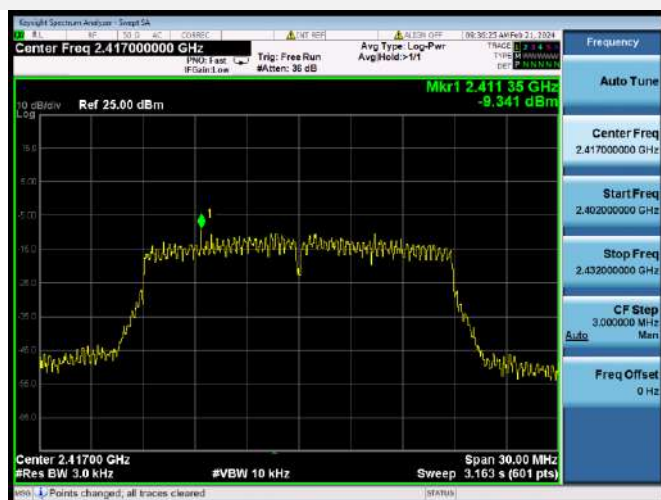


VHT20 MHz CHANNEL 1

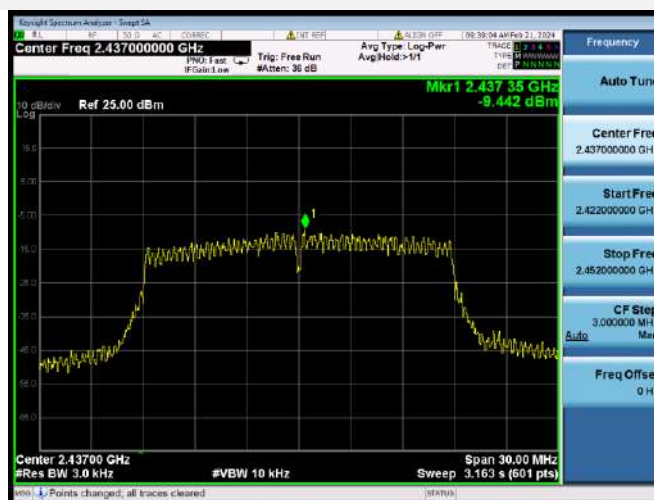




## VHT20 MHz CHANNEL 2



## VHT20 MHz CHANNEL 6



## VHT20 MHz CHANNEL 10



## VHT20 MHz CHANNEL 11



## VHT40 MHz CHANNEL 3



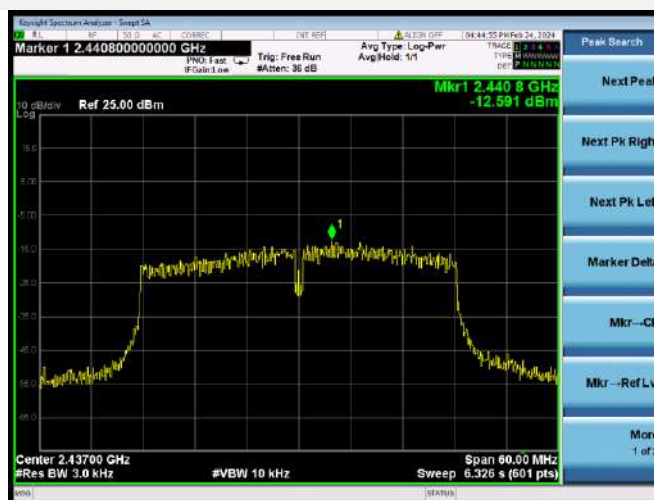
## VHT40 MHz CHANNEL 4



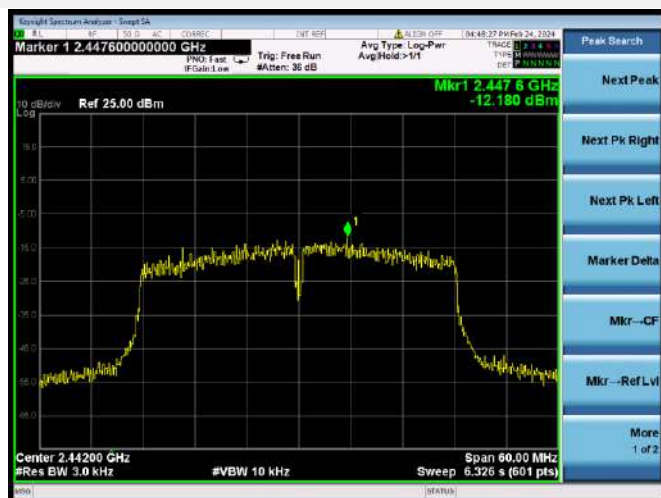
## VHT40 MHz CHANNEL 5



## VHT40 MHz CHANNEL 6



## VHT40 MHz CHANNEL 7



## VHT40 MHz CHANNEL 8



## VHT40 MHz CHANNEL 9



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2411244-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-S2411244-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2411244-AI.PDF”.

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