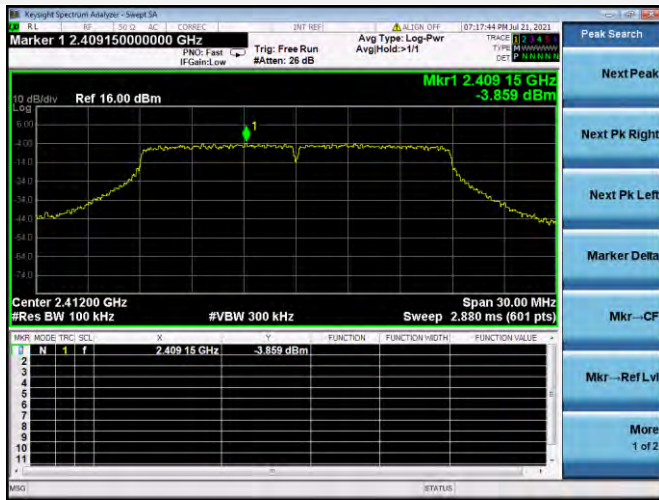
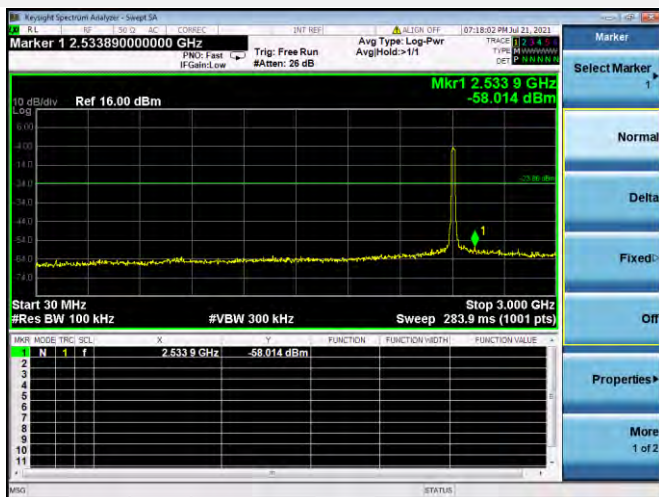


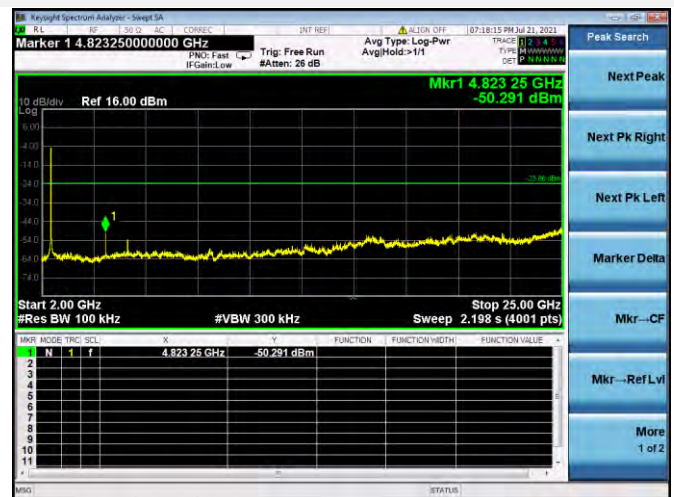
### 802.11n-20 LOW CHANNEL CARRIER LEVEL



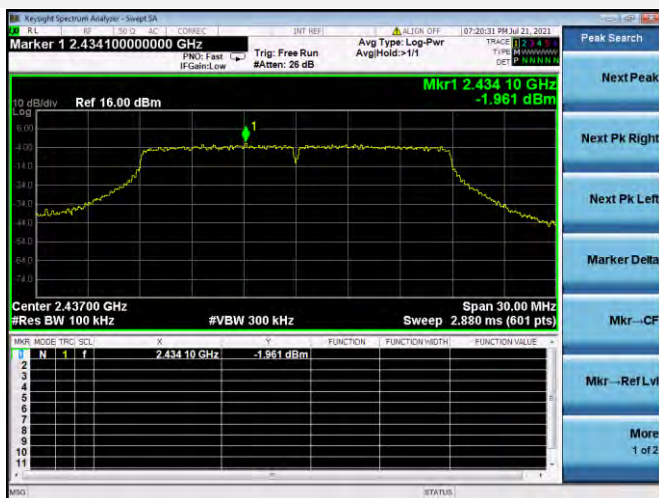
### 802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



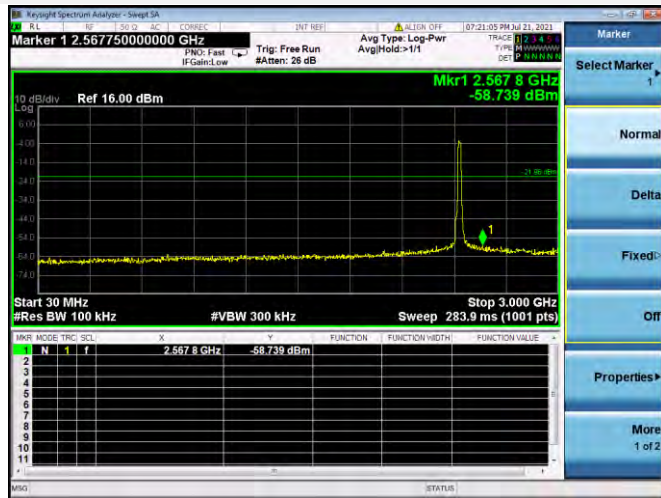
### 802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



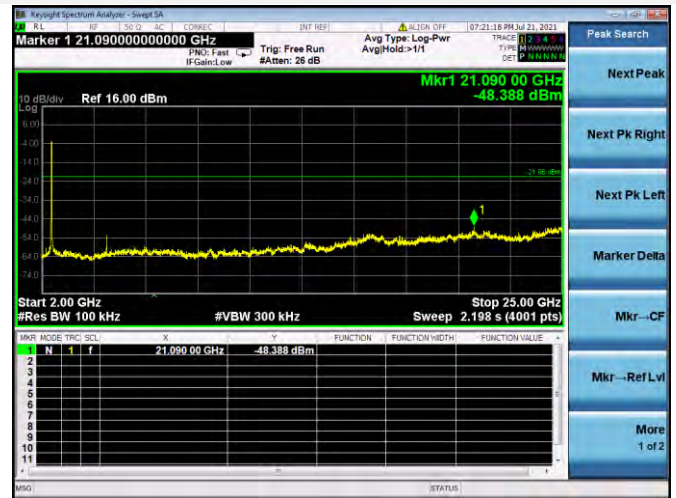
### 802.11n-20 MIDDLE CHANNEL CARRIER LEVEL



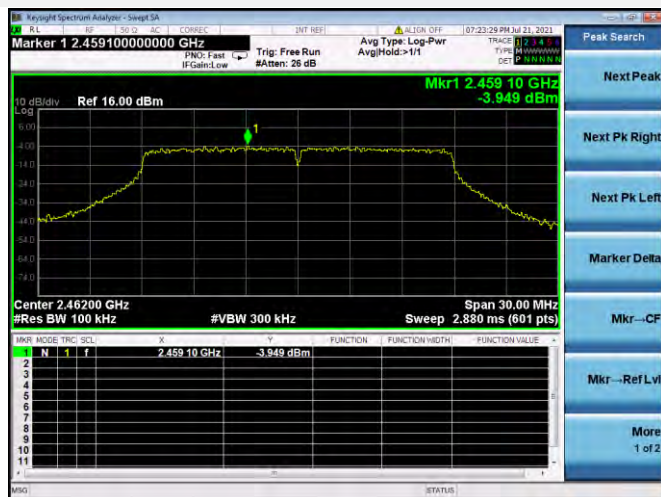
802.11n-20 MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



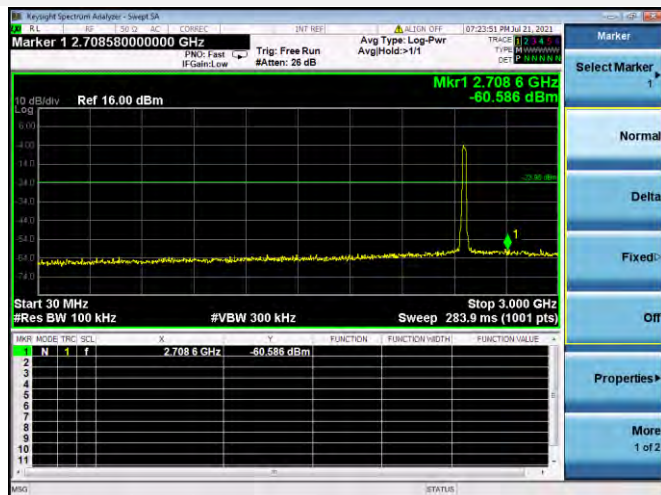
802.11n-20 MIDDLE CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



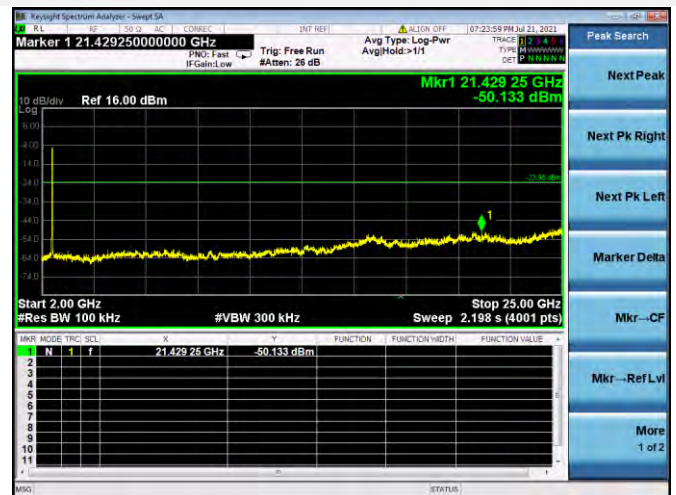
802.11n-20 HIGH CHANNEL CARRIER LEVEL



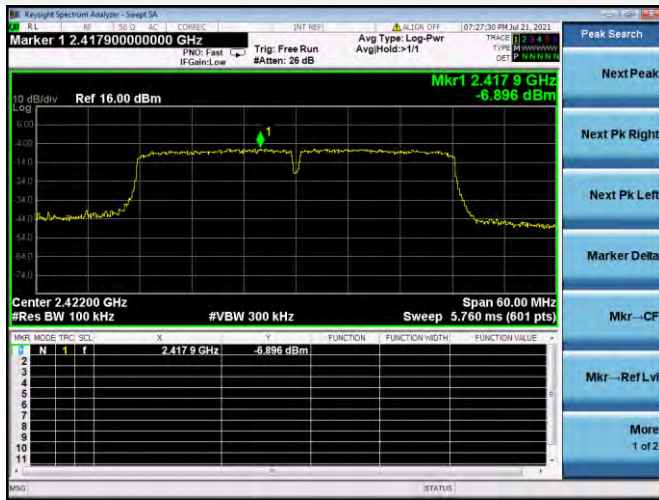
802.11n-20 HIGH CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



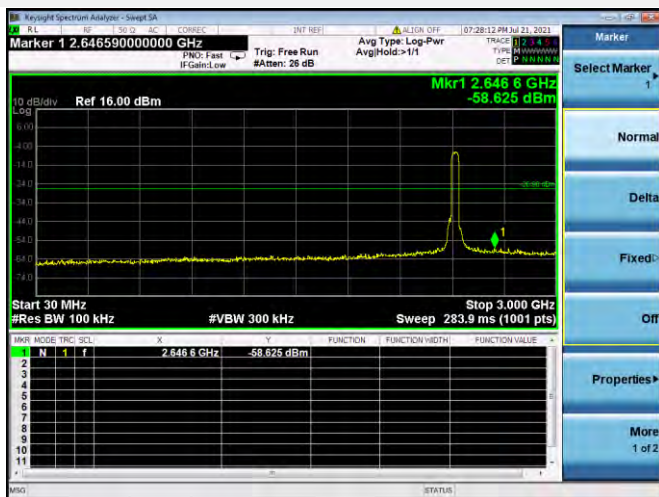
802.11n-20 HIGH CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



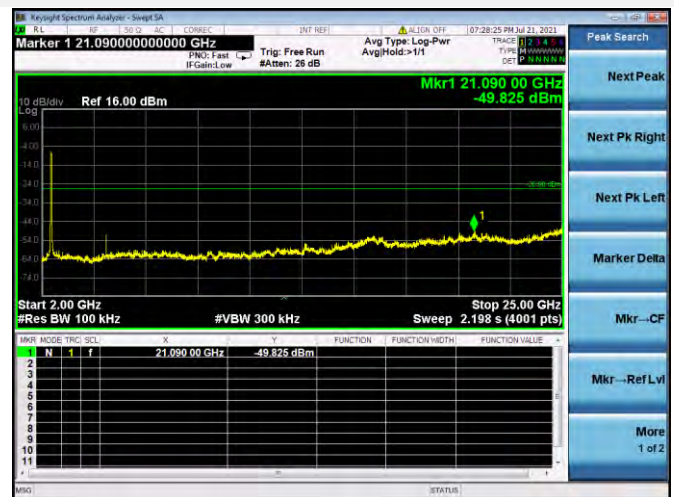
### 802.11n-40 LOW CHANNEL CARRIER LEVEL



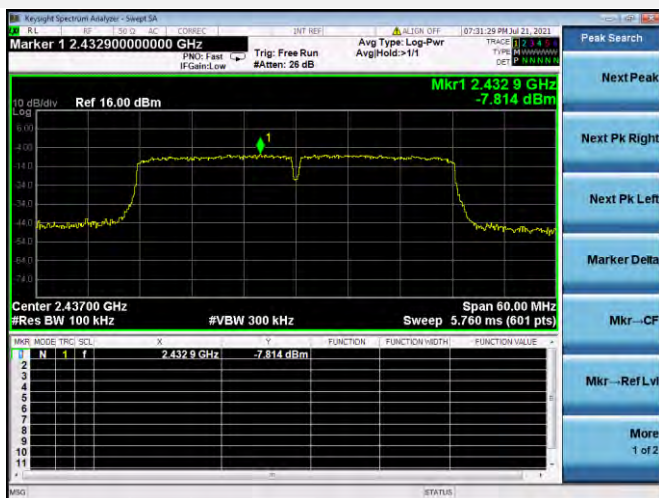
### 802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



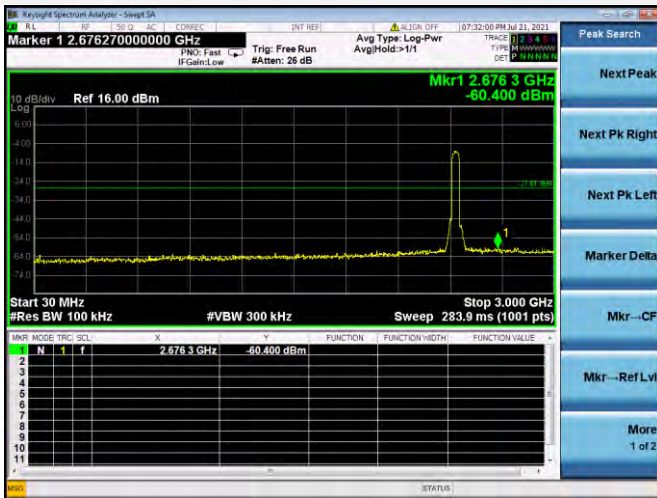
### 802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



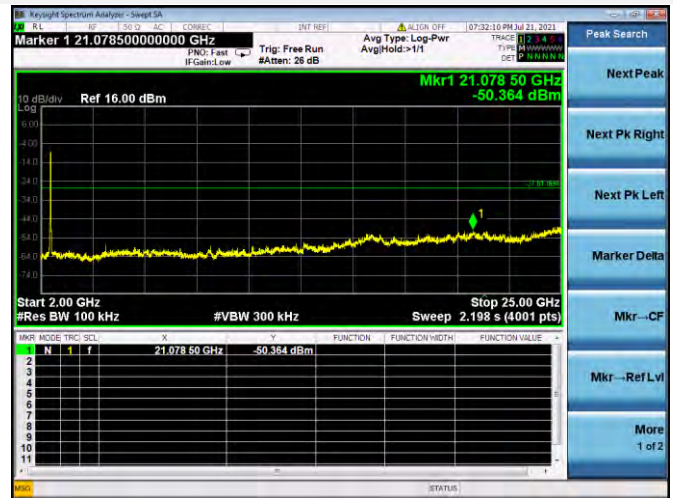
### 802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



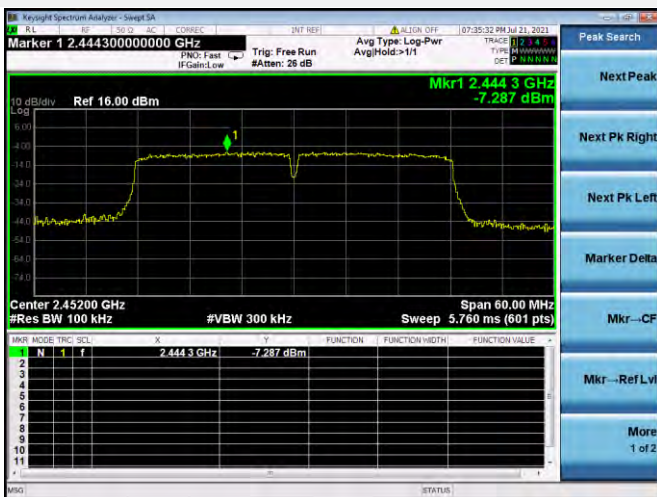
802.11n-40 MIDDLE CHANNEL, SPURIOUS  
30 MHz ~ 3 GHz



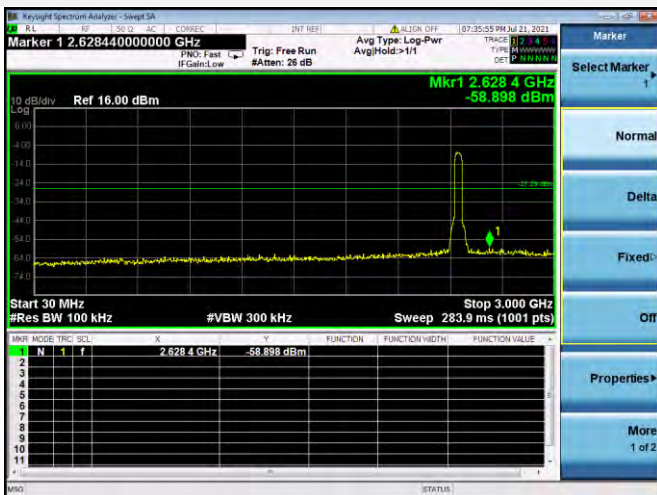
802.11n-40 MIDDLE CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



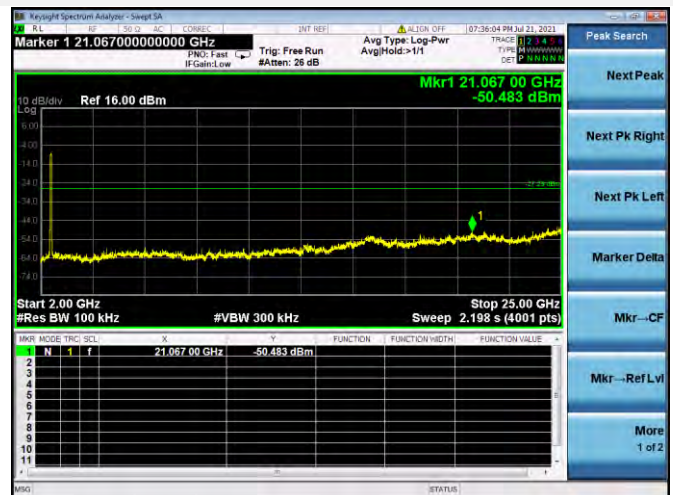
802.11n-40 HIGH CHANNEL CARRIER LEVEL



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



802.11n-40 HIGH CHANNEL, SPURIOUS  
2 GHz ~ 25 GHz



## A.4 Band Edge (Authorized-band band-edge)

### Test Data

Note: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

#### 802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.98	4.97	-15.03	Pass
High Channel	-55.93	3.54	-16.46	Pass

#### 802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.82	-3.11	-23.11	Pass
High Channel	-53.17	-3.55	-23.55	Pass

#### 802.11n-20 MHz Mode:

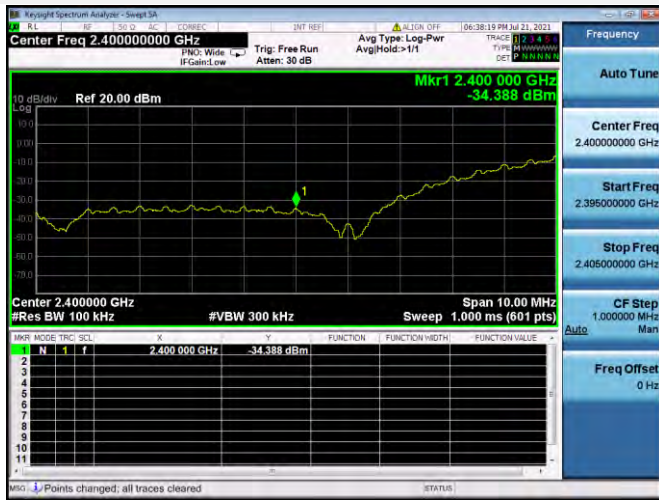
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.72	-3.86	-23.86	Pass
High Channel	-52.82	-3.95	-23.95	Pass

#### 802.11n-40 MHz Mode:

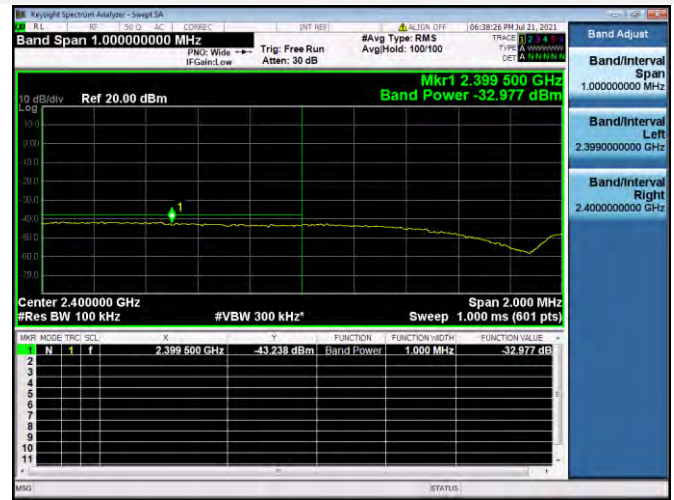
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-43.09	-6.90	-26.90	Pass
High Channel	-48.31	-7.83	-27.83	Pass

Test Plots

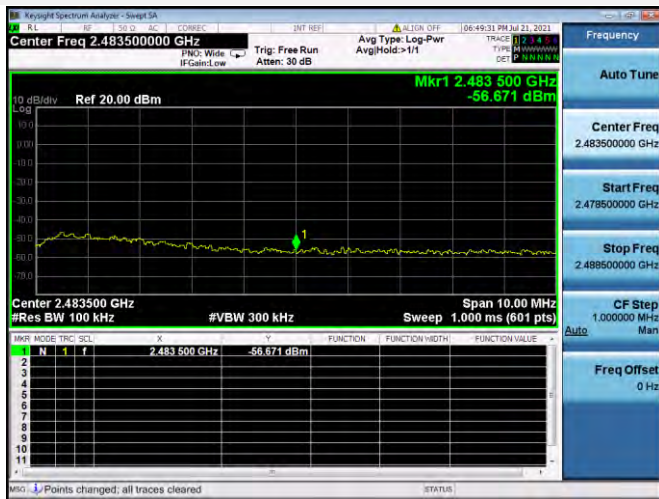
802.11b LOW CHANNEL, Carrier level



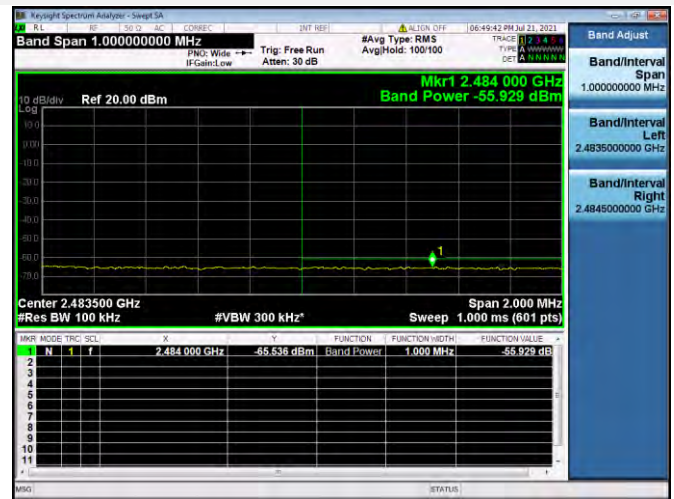
802.11b LOW CHANNEL, Reference level



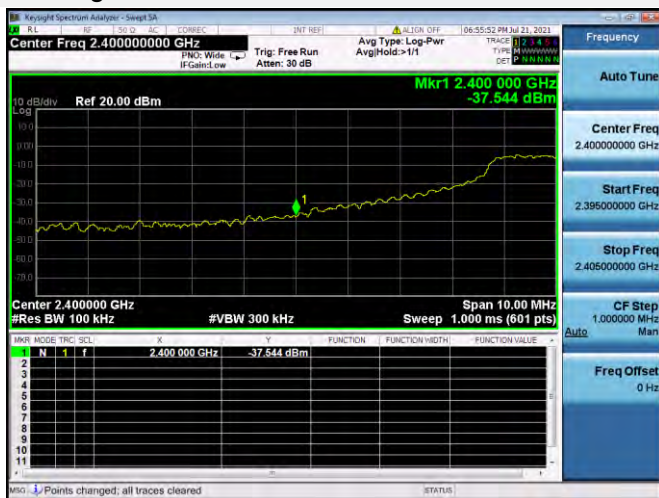
802.11b HIGH CHANNEL, Carrier level



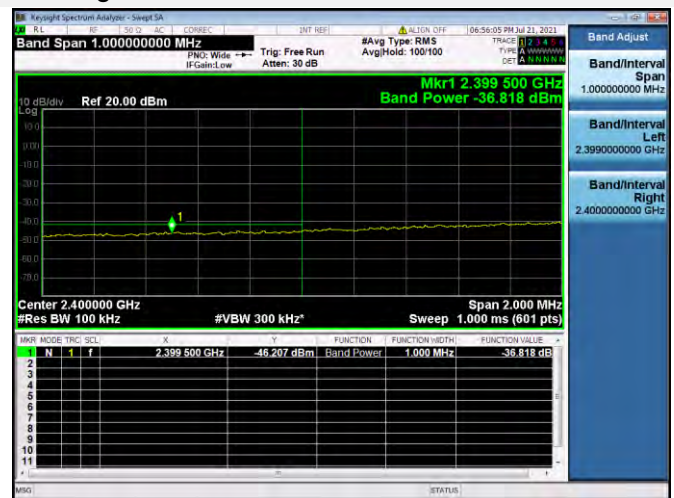
802.11b HIGH CHANNEL, Reference level



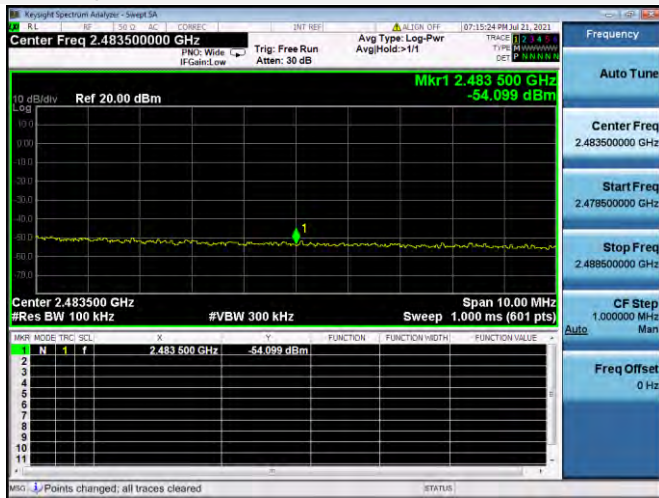
802.11g LOW CHANNEL, Carrier level



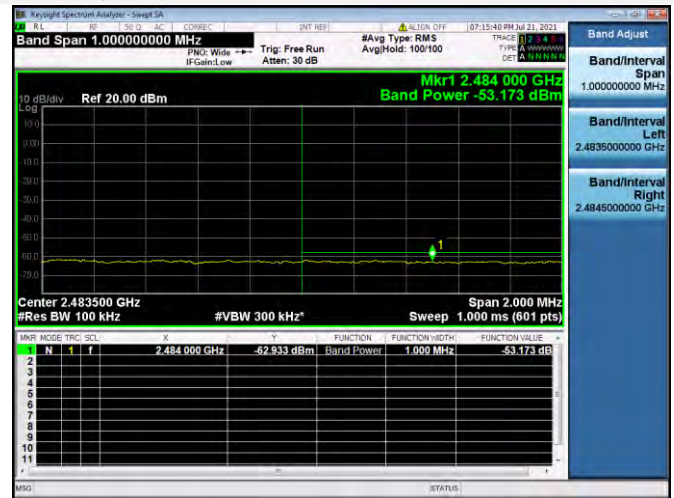
802.11g LOW CHANNEL, Reference level



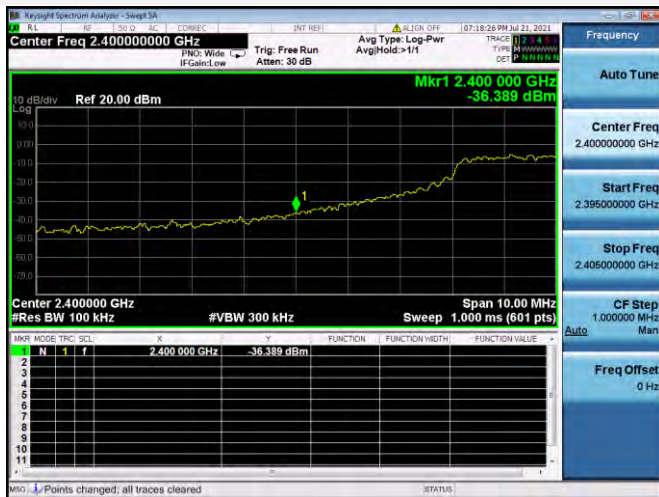
### 802.11g HIGH CHANNEL, Carrier level



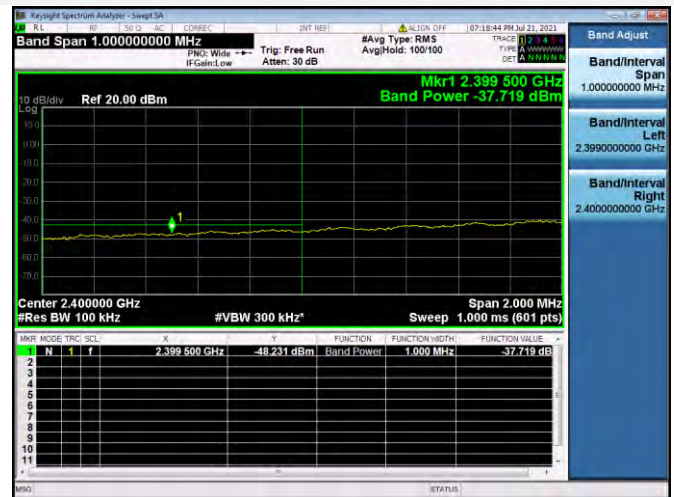
### 802.11g HIGH CHANNEL, Reference level



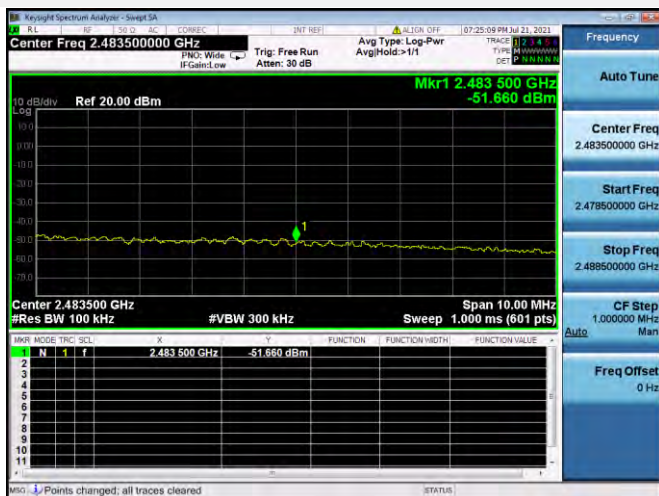
### 802.11n-20 MHz LOW CHANNEL, Carrier level



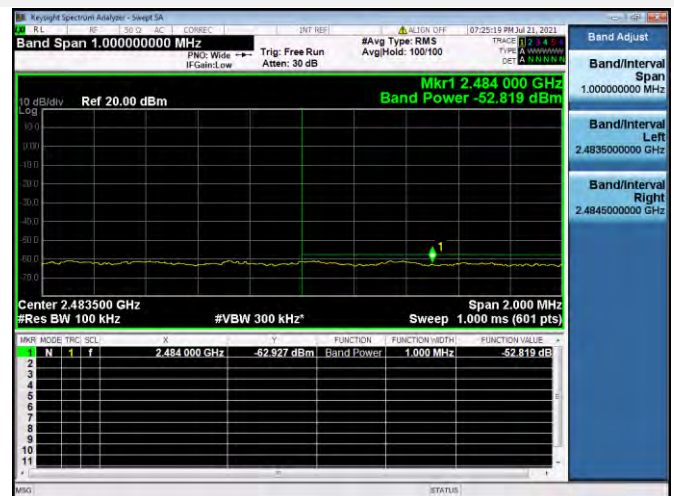
### 802.11n-20 MHz LOW CHANNEL, Reference level



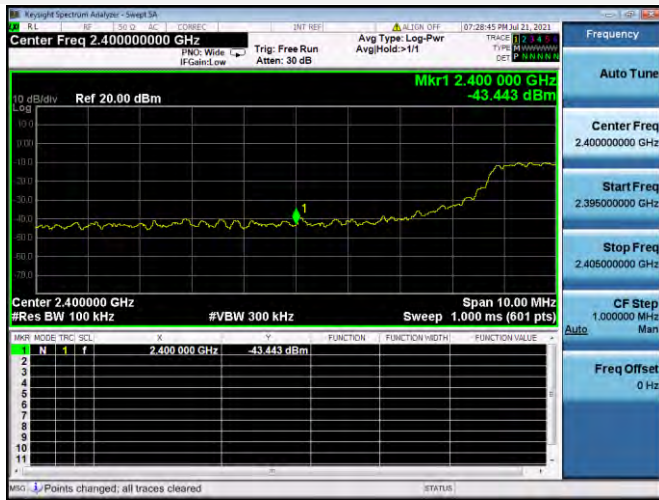
### 802.11n-20 MHz HIGH CHANNEL, Carrier level



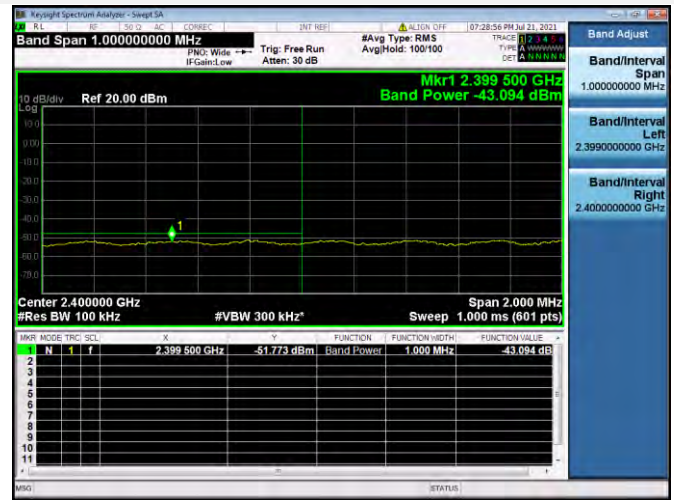
### 802.11n-20 MHz HIGH CHANNEL, Reference level



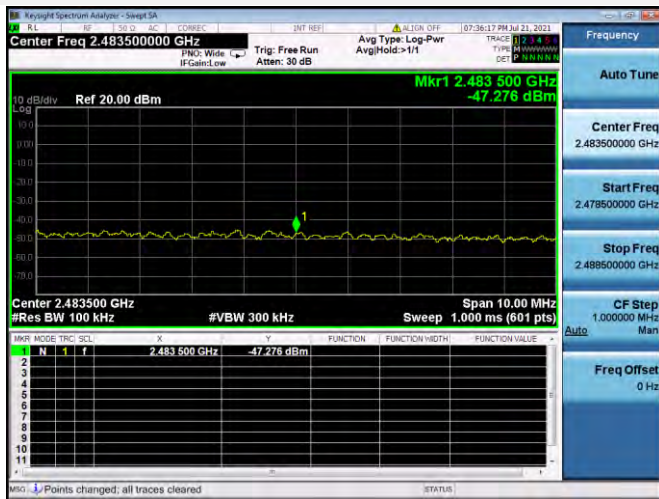
802.11n-40 MHz LOW CHANNEL, Carrier level



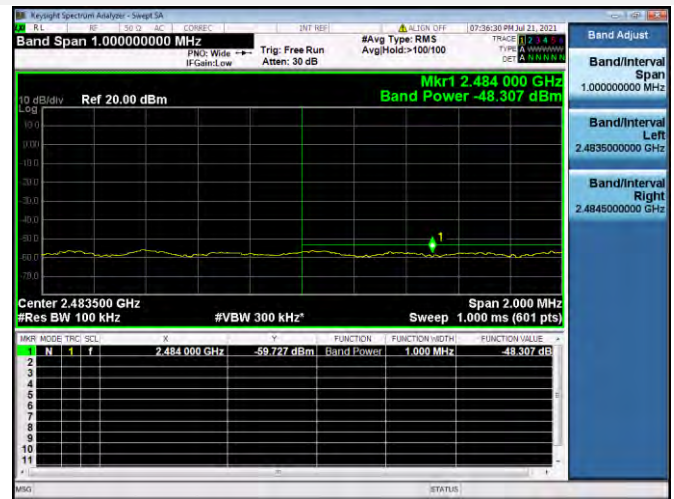
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level





## A.5 Conducted Emissions

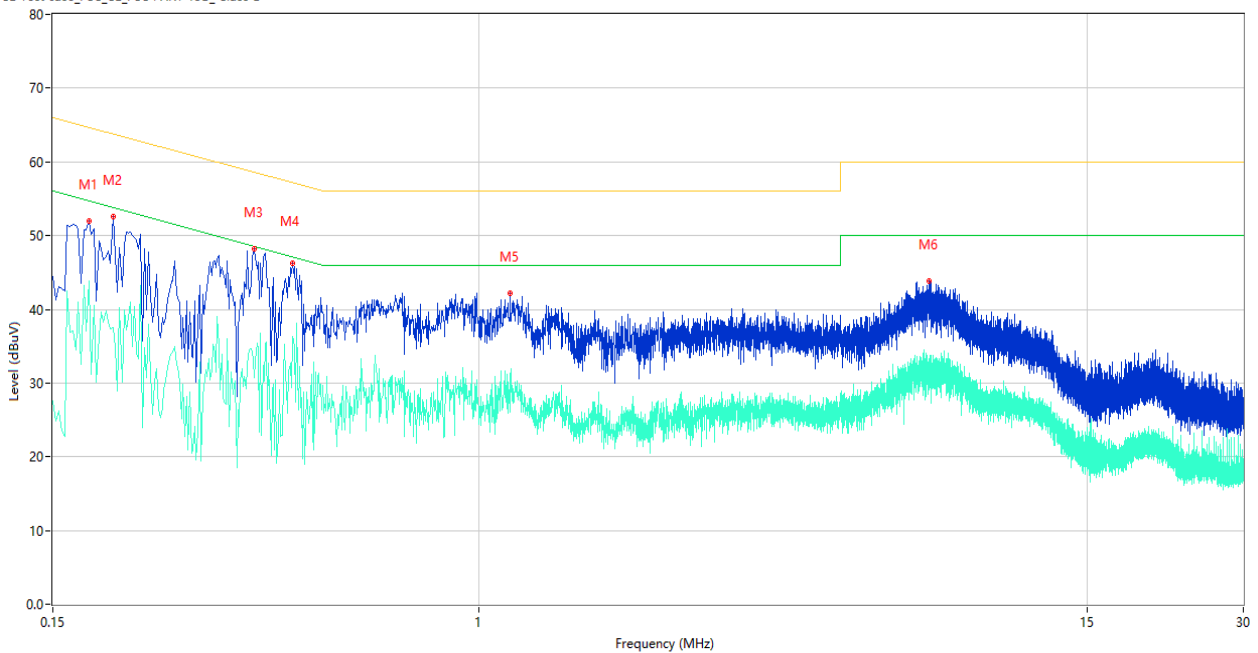
Note <sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

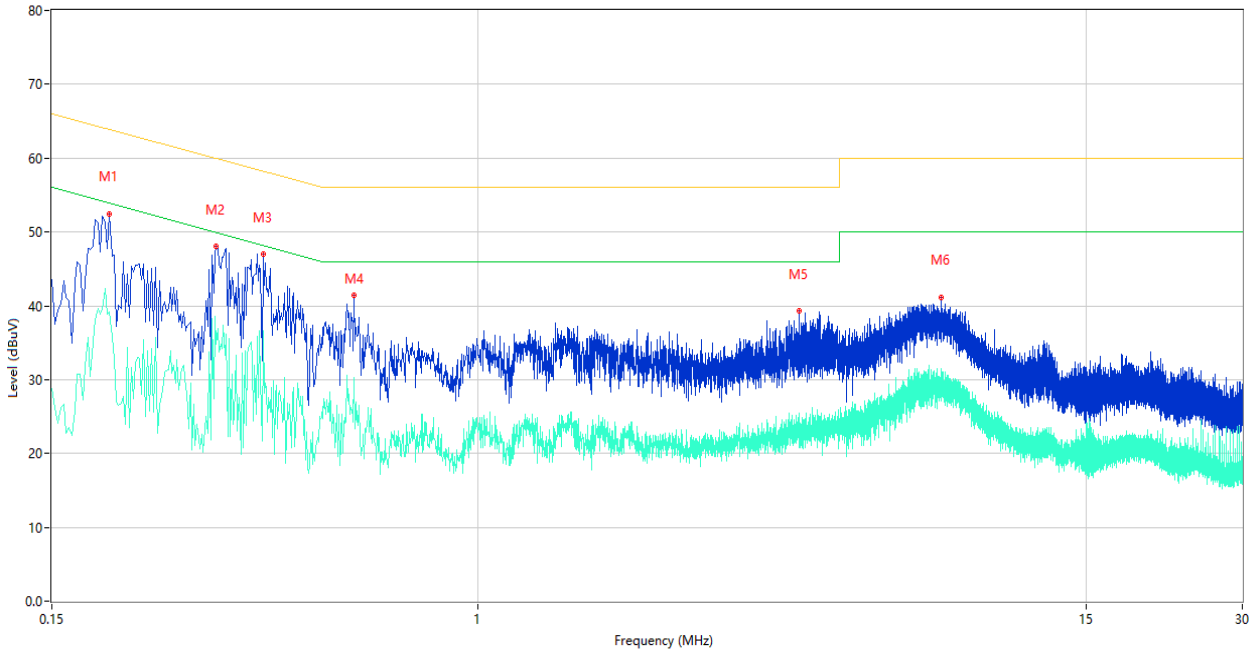
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.176	52.01	10.39	64.67	-12.66	Peak	L	Pass
1**	0.176	43.88	10.39	54.67	-10.79	AV	L	Pass
2	0.196	52.57	10.38	63.78	-11.21	Peak	L	Pass
2**	0.196	37.53	10.38	53.78	-16.25	AV	L	Pass
3	0.368	48.19	10.30	58.55	-10.36	Peak	L	Pass
3**	0.368	30.69	10.30	48.55	-17.86	AV	L	Pass
4	0.436	46.21	10.31	57.14	-10.93	Peak	L	Pass
4**	0.436	36.23	10.31	47.14	-10.91	AV	L	Pass
5	1.148	42.13	10.24	56.00	-13.87	Peak	L	Pass
5**	1.148	31.35	10.24	46.00	-14.65	AV	L	Pass
6	7.418	43.78	10.34	60.00	-16.22	Peak	L	Pass
6**	7.418	29.15	10.34	50.00	-20.85	AV	L	Pass

PHASE N

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.194	52.48	10.38	63.86	-11.38	Peak	N	Pass
1**	0.194	39.17	10.38	53.86	-14.69	AV	N	Pass
2	0.312	48.10	10.33	59.92	-11.82	Peak	N	Pass
2**	0.312	34.74	10.33	49.92	-15.18	AV	N	Pass
3	0.384	47.04	10.30	58.19	-11.15	Peak	N	Pass
3**	0.384	36.57	10.30	48.19	-11.62	AV	N	Pass
4	0.576	41.42	10.27	56.00	-14.58	Peak	N	Pass
4**	0.576	30.32	10.27	46.00	-15.68	AV	N	Pass
5	4.174	39.31	10.31	56.00	-16.69	Peak	N	Pass
5**	4.174	25.39	10.31	46.00	-20.61	AV	N	Pass
6	7.838	41.14	10.35	60.00	-18.86	Peak	N	Pass
6**	7.838	31.56	10.35	50.00	-18.44	AV	N	Pass

## A.6 Radiated Emission

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

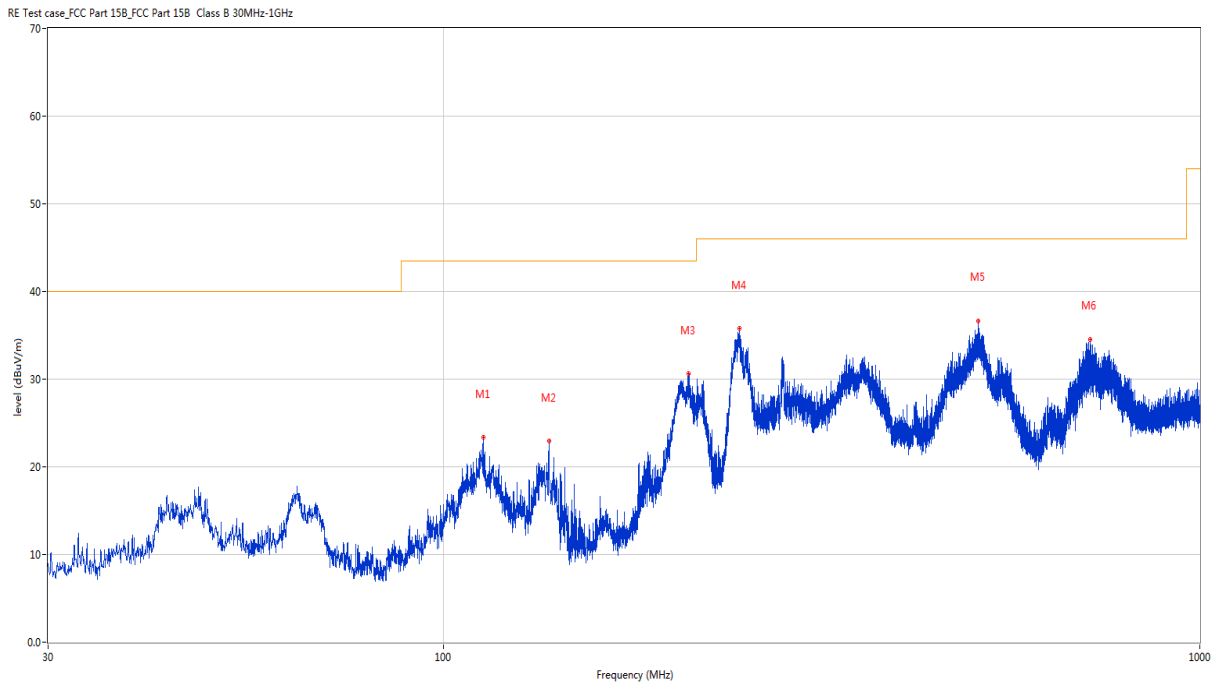
Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

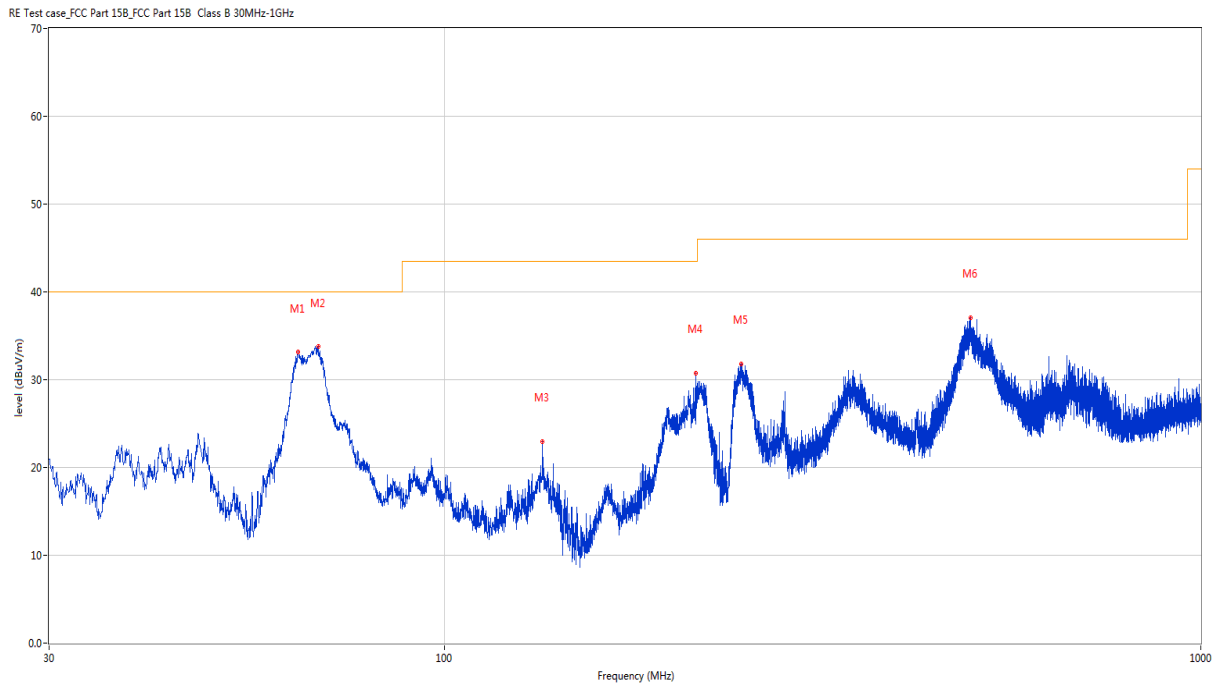
### Test Data and Plots

#### 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	112.789	23.42	-24.41	43.5	-20.08	Peak	188.50	100	Horizontal	Pass
2	137.913	22.94	-27.68	43.5	-20.56	Peak	221.70	100	Horizontal	Pass
3	210.614	30.63	-23.91	43.5	-12.87	Peak	358.20	100	Horizontal	Pass
4	246.068	35.76	-23.11	46.0	-10.24	Peak	0.00	100	Horizontal	Pass
5	509.616	36.64	-16.46	46.0	-9.36	Peak	360.00	100	Horizontal	Pass
6	716.420	34.55	-12.94	46.0	-11.45	Peak	311.10	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.950	33.14	-24.92	40.0	-6.86	Peak	0.00	100	Vertical	Pass
2	68.073	33.76	-25.90	40.0	-6.24	Peak	67.10	100	Vertical	Pass
3	134.808	22.96	-27.39	43.5	-20.54	Peak	209.20	100	Vertical	Pass
4	214.834	30.74	-23.77	43.5	-12.76	Peak	86.20	100	Vertical	Pass
5	246.650	31.78	-23.23	46.0	-14.22	Peak	62.40	100	Vertical	Pass
6	495.649	37.03	-16.55	46.0	-8.97	Peak	119.20	100	Vertical	Pass

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

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.100	45.25	-19.49	74.0	-28.75	Peak	124.00	150	Horizontal	Pass
1**	1618.100	29.50	-19.49	54.0	-24.50	AV	124.00	150	Horizontal	Pass
2	2412.000	96.40	-14.99	74.0	22.40	Peak	292.00	150	Horizontal	N/A
2**	2412.000	90.87	-14.99	54.0	36.87	AV	292.00	150	Horizontal	N/A
3	2778.900	50.01	-10.36	74.0	-23.99	Peak	264.00	150	Horizontal	Pass
3**	2778.900	39.82	-10.36	54.0	-14.18	AV	264.00	150	Horizontal	Pass
4	4824.250	53.28	-5.96	74.0	-20.72	Peak	109.00	150	Horizontal	Pass
4**	4824.250	49.377	-5.96	54.0	-4.623	AV	109.00	150	Horizontal	Pass
5	7574.250	53.07	-0.79	74.0	-20.93	Peak	145.00	150	Horizontal	Pass
5**	7574.250	43.26	-0.79	54.0	-10.74	AV	145.00	150	Horizontal	Pass
6	17799.999	48.61	6.52	74.0	-25.39	Peak	304.00	150	Horizontal	Pass
6**	17799.999	41.91	6.52	54.0	-12.09	AV	304.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.200	33.89	-19.12	74.0	-40.11	Peak	325.00	150	Vertical	Pass
1**	1601.200	25.17	-19.12	54.0	-28.83	AV	325.00	150	Vertical	Pass
2	2412.000	85.99	-14.99	74.0	11.99	Peak	264.00	150	Vertical	N/A
2**	2412.000	81.72	-14.99	54.0	27.72	AV	264.00	150	Vertical	N/A
3	2753.400	43.65	-11.17	74.0	-30.35	Peak	32.00	150	Vertical	Pass
3**	2753.400	35.29	-11.17	54.0	-18.71	AV	32.00	150	Vertical	Pass
4	4824.250	43.25	-5.96	74.0	-30.75	Peak	231.00	150	Vertical	Pass
4**	4824.250	40.29	-5.96	54.0	-13.71	AV	231.00	150	Vertical	Pass
5	7571.500	47.07	-0.95	74.0	-26.93	Peak	59.00	150	Vertical	Pass
5**	7571.500	38.07	-0.95	54.0	-15.93	AV	59.00	150	Vertical	Pass
6	17797.501	43.63	6.45	74.0	-30.37	Peak	317.00	150	Vertical	Pass
6**	17797.501	35.23	6.45	54.0	-18.77	AV	317.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.900	40.74	-19.29	74.0	-33.26	Peak	197.00	150	Horizontal	Pass
1**	1476.900	31.34	-19.29	54.0	-22.66	AV	197.00	150	Horizontal	Pass
2	2436.900	95.62	-14.69	74.0	21.62	Peak	296.00	150	Horizontal	N/A
2**	2436.900	91.15	-14.69	54.0	37.15	AV	296.00	150	Horizontal	N/A
3	2785.300	50.48	-10.06	74.0	-23.52	Peak	239.00	150	Horizontal	Pass
3**	2785.300	42.27	-10.06	54.0	-11.73	AV	239.00	150	Horizontal	Pass
4	4874.250	50.09	-6.13	74.0	-23.91	Peak	104.00	150	Horizontal	Pass
4**	4874.250	45.49	-6.13	54.0	-8.51	AV	104.00	150	Horizontal	Pass
5	12577.500	46.79	1.36	74.0	-27.21	Peak	74.00	150	Horizontal	Pass
5**	12577.500	36.92	1.36	54.0	-17.08	AV	74.00	150	Horizontal	Pass
6	17575.000	47.88	6.18	74.0	-26.12	Peak	337.00	150	Horizontal	Pass
6**	17575.000	40.68	6.18	54.0	-13.32	AV	337.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.900	41.16	-19.31	74.0	-32.84	Peak	201.00	150	Vertical	Pass
1**	1328.900	31.33	-19.31	54.0	-22.67	AV	201.00	150	Vertical	Pass
2	2437.000	90.33	-14.63	74.0	16.33	Peak	263.00	150	Vertical	N/A
2**	2437.000	85.36	-14.63	54.0	31.36	AV	263.00	150	Vertical	N/A
3	2784.700	50.48	-9.94	74.0	-23.52	Peak	306.00	150	Vertical	Pass
3**	2784.700	41.75	-9.94	54.0	-12.25	AV	306.00	150	Vertical	Pass
4	4874.250	47.11	-6.13	74.0	-26.89	Peak	232.00	150	Vertical	Pass
4**	4874.250	43.26	-6.13	54.0	-10.74	AV	232.00	150	Vertical	Pass
5	13372.500	46.95	2.68	74.0	-27.05	Peak	298.00	150	Vertical	Pass
5**	13372.500	39.25	2.68	54.0	-14.75	AV	298.00	150	Vertical	Pass
6	17570.001	49.34	6.24	74.0	-24.66	Peak	291.00	150	Vertical	Pass
6**	17570.001	40.42	6.24	54.0	-13.58	AV	291.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1325.400	41.35	-19.30	74.0	-32.65	Peak	301.00	150	Horizontal	Pass
1**	1325.400	31.48	-19.30	54.0	-22.52	AV	301.00	150	Horizontal	Pass
2	2463.100	96.79	-13.40	74.0	22.79	Peak	309.00	150	Horizontal	N/A
2**	2463.100	93.96	-13.40	54.0	39.96	AV	309.00	150	Horizontal	N/A
3	2778.200	50.51	-10.94	74.0	-23.49	Peak	41.00	150	Horizontal	Pass
3**	2778.200	40.49	-10.94	54.0	-13.51	AV	41.00	150	Horizontal	Pass
4	4924.000	47.77	-5.08	74.0	-26.23	Peak	35.00	150	Horizontal	Pass
4**	4924.000	43.29	-5.08	54.0	-10.71	AV	35.00	150	Horizontal	Pass
5	12797.500	46.83	1.99	74.0	-27.17	Peak	102.00	150	Horizontal	Pass
5**	12797.500	38.45	1.99	54.0	-15.55	AV	102.00	150	Horizontal	Pass
6	17842.500	48.63	5.37	74.0	-25.37	Peak	134.00	150	Horizontal	Pass
6**	17842.500	40.70	5.37	54.0	-13.30	AV	134.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.500	45.35	-19.60	74.0	-28.65	Peak	59.00	150	Vertical	Pass
1**	1617.500	30.95	-19.60	54.0	-23.05	AV	59.00	150	Vertical	Pass
2	2460.800	91.13	-13.69	74.0	17.13	Peak	0.00	150	Vertical	N/A
2**	2460.800	88.23	-13.69	54.0	34.23	AV	0.00	150	Vertical	N/A
3	2785.300	50.79	-10.06	74.0	-23.21	Peak	145.00	150	Vertical	Pass
3**	2785.300	41.67	-10.06	54.0	-12.33	AV	145.00	150	Vertical	Pass
4	4924.000	47.26	-5.08	74.0	-26.74	Peak	157.00	150	Vertical	Pass
4**	4924.000	43.45	-5.08	54.0	-10.55	AV	157.00	150	Vertical	Pass
5	13365.000	46.40	2.69	74.0	-27.60	Peak	83.00	150	Vertical	Pass
5**	13365.000	38.84	2.69	54.0	-15.16	AV	83.00	150	Vertical	Pass
6	17607.500	48.16	5.54	74.0	-25.84	Peak	277.00	150	Vertical	Pass
6**	17607.500	40.09	5.54	54.0	-13.91	AV	277.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1667.000	41.27	-19.14	74.0	-32.73	Peak	181.00	150	Horizontal	Pass
1**	1667.000	32.74	-19.14	54.0	-21.26	AV	181.00	150	Horizontal	Pass
2	2411.400	95.00	-14.82	74.0	21.00	Peak	112.00	150	Horizontal	N/A
2**	2411.400	86.53	-14.82	54.0	32.53	AV	112.00	150	Horizontal	N/A
3	2785.100	51.02	-9.97	74.0	-22.98	Peak	325.00	150	Horizontal	Pass
3**	2785.100	41.63	-9.97	54.0	-12.37	AV	325.00	150	Horizontal	Pass
4	4824.500	51.03	-5.98	74.0	-22.97	Peak	122.00	150	Horizontal	Pass
4**	4824.500	47.13	-5.98	54.0	-6.87	AV	122.00	150	Horizontal	Pass
5	13377.500	46.74	2.67	74.0	-27.26	Peak	207.00	150	Horizontal	Pass
5**	13377.500	38.68	2.67	54.0	-15.32	AV	207.00	150	Horizontal	Pass
6	17787.501	49.06	6.15	74.0	-24.94	Peak	162.00	150	Horizontal	Pass
6**	17787.501	41.36	6.15	54.0	-12.64	AV	162.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.800	41.15	-19.38	74.0	-32.85	Peak	276.00	150	Vertical	Pass
1**	1622.800	31.42	-19.38	54.0	-22.58	AV	276.00	150	Vertical	Pass
2	2408.800	89.51	-14.99	74.0	15.51	Peak	268.00	150	Vertical	N/A
2**	2408.800	82.24	-14.99	54.0	28.24	AV	268.00	150	Vertical	N/A
3	2784.700	50.08	-9.94	74.0	-23.92	Peak	346.00	150	Vertical	Pass
3**	2784.700	41.86	-9.94	54.0	-12.14	AV	346.00	150	Vertical	Pass
4	4824.000	48.52	-6.04	74.0	-25.48	Peak	114.00	150	Vertical	Pass
4**	4824.000	44.81	-6.04	54.0	-9.19	AV	114.00	150	Vertical	Pass
5	13340.000	46.70	2.49	74.0	-27.30	Peak	25.00	150	Vertical	Pass
5**	13340.000	38.55	2.49	54.0	-15.45	AV	25.00	150	Vertical	Pass
6	17792.500	49.61	6.30	74.0	-24.39	Peak	168.00	150	Vertical	Pass
6**	17792.500	41.18	6.30	54.0	-12.82	AV	168.00	150	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.300	40.96	-19.10	74.0	-33.04	Peak	55.00	150	Horizontal	Pass
1**	1477.300	31.81	-19.10	54.0	-22.19	AV	55.00	150	Horizontal	Pass
2	2441.100	96.80	-14.24	74.0	22.80	Peak	305.00	150	Horizontal	N/A
2**	2441.100	89.32	-14.24	54.0	35.32	AV	305.00	150	Horizontal	N/A
3	2776.500	50.31	-10.57	74.0	-23.69	Peak	305.00	150	Horizontal	Pass
3**	2776.500	42.30	-10.57	54.0	-11.70	AV	305.00	150	Horizontal	Pass
4	4874.250	50.02	-6.13	74.0	-23.98	Peak	93.00	150	Horizontal	Pass
4**	4874.250	46.88	-6.13	54.0	-7.12	AV	93.00	150	Horizontal	Pass
5	13187.500	46.89	2.95	74.0	-27.11	Peak	160.00	150	Horizontal	Pass
5**	13187.500	39.50	2.95	54.0	-14.50	AV	160.00	150	Horizontal	Pass
6	17807.499	49.31	6.32	74.0	-24.69	Peak	176.00	150	Horizontal	Pass
6**	17807.499	41.23	6.32	54.0	-12.77	AV	176.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.300	41.25	-19.40	74.0	-32.75	Peak	244.00	150	Vertical	Pass
1**	1622.300	31.87	-19.40	54.0	-22.13	AV	244.00	150	Vertical	Pass
2	2440.600	92.38	-14.49	74.0	18.38	Peak	253.00	150	Vertical	N/A
2**	2440.600	84.38	-14.49	54.0	30.38	AV	253.00	150	Vertical	N/A
3	2784.900	50.05	-9.85	74.0	-23.95	Peak	97.00	150	Vertical	Pass
3**	2784.900	42.10	-9.85	54.0	-11.90	AV	97.00	150	Vertical	Pass
4	4874.000	47.73	-6.15	74.0	-26.27	Peak	186.00	150	Vertical	Pass
4**	4874.000	43.32	-6.15	54.0	-10.68	AV	186.00	150	Vertical	Pass
5	12782.500	45.96	1.85	74.0	-28.04	Peak	159.00	150	Vertical	Pass
5**	12782.500	37.44	1.85	54.0	-16.56	AV	159.00	150	Vertical	Pass
6	17797.501	48.67	6.45	74.0	-25.33	Peak	26.00	150	Vertical	Pass
6**	17797.501	41.54	6.45	54.0	-12.46	AV	26.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.300	40.57	-19.77	74.0	-33.43	Peak	0.00	150	Horizontal	Pass
1**	1336.300	30.62	-19.77	54.0	-23.38	AV	0.00	150	Horizontal	Pass
2	2459.700	95.43	-13.35	74.0	21.43	Peak	305.00	150	Horizontal	N/A
2**	2459.700	88.00	-13.35	54.0	34.00	AV	305.00	150	Horizontal	N/A
3	2783.100	50.32	-9.34	74.0	-23.68	Peak	130.00	150	Horizontal	Pass
3**	2783.100	43.00	-9.34	54.0	-11.00	AV	130.00	150	Horizontal	Pass
4	4924.250	47.21	-4.95	74.0	-26.79	Peak	109.00	150	Horizontal	Pass
4**	4924.250	43.18	-4.95	54.0	-10.82	AV	109.00	150	Horizontal	Pass
5	13555.000	46.88	2.37	74.0	-27.12	Peak	343.00	150	Horizontal	Pass
5**	13555.000	39.33	2.37	54.0	-14.67	AV	343.00	150	Horizontal	Pass
6	17529.999	49.58	6.12	74.0	-24.42	Peak	25.00	150	Horizontal	Pass
6**	17529.999	40.50	6.12	54.0	-13.50	AV	25.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1932.600	43.04	-17.85	74.0	-30.96	Peak	34.00	150	Vertical	Pass
1**	1932.600	33.13	-17.85	54.0	-20.87	AV	34.00	150	Vertical	Pass
2	2461.100	90.42	-13.67	74.0	16.42	Peak	210.00	150	Vertical	N/A
2**	2461.100	83.38	-13.67	54.0	29.38	AV	210.00	150	Vertical	N/A
3	2785.900	50.43	-10.07	74.0	-23.57	Peak	237.00	150	Vertical	Pass
3**	2785.900	42.10	-10.07	54.0	-11.90	AV	237.00	150	Vertical	Pass
4	7580.000	53.76	-0.28	74.0	-20.24	Peak	309.00	150	Vertical	Pass
4**	7580.000	43.85	-0.28	54.0	-10.15	AV	309.00	150	Vertical	Pass
5	12790.000	46.97	1.92	74.0	-27.03	Peak	114.00	150	Vertical	Pass
5**	12790.000	38.88	1.92	54.0	-15.12	AV	114.00	150	Vertical	Pass
6	17792.500	49.51	6.30	74.0	-24.49	Peak	219.00	150	Vertical	Pass
6**	17792.500	40.68	6.30	54.0	-13.32	AV	219.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.000	41.05	-19.68	74.0	-32.95	Peak	189.00	150	Horizontal	Pass
1**	1580.000	31.11	-19.68	54.0	-22.89	AV	189.00	150	Horizontal	Pass
2	2414.100	93.01	-14.67	74.0	19.01	Peak	292.00	150	Horizontal	N/A
2**	2414.100	85.98	-14.67	54.0	31.98	AV	292.00	150	Horizontal	N/A
3	2783.300	51.14	-9.74	74.0	-22.86	Peak	80.00	150	Horizontal	Pass
3**	2783.300	42.06	-9.74	54.0	-11.94	AV	80.00	150	Horizontal	Pass
4	4824.250	49.99	-5.96	74.0	-24.01	Peak	84.00	150	Horizontal	Pass
4**	4824.250	47.75	-5.96	54.0	-6.25	AV	84.00	150	Horizontal	Pass
5	13185.000	46.12	2.89	74.0	-27.88	Peak	310.00	150	Horizontal	Pass
5**	13185.000	38.24	2.89	54.0	-15.76	AV	310.00	150	Horizontal	Pass
6	17805.001	49.54	6.39	74.0	-24.46	Peak	92.00	150	Horizontal	Pass
6**	17805.001	41.58	6.39	54.0	-12.42	AV	92.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.400	41.10	-19.20	74.0	-32.90	Peak	96.00	150	Vertical	Pass
1**	1476.400	32.27	-19.20	54.0	-21.73	AV	96.00	150	Vertical	Pass
2	2408.500	88.54	-14.91	74.0	14.54	Peak	261.00	150	Vertical	N/A
2**	2408.500	81.39	-14.91	54.0	27.39	AV	261.00	150	Vertical	N/A
3	2776.600	50.56	-10.52	74.0	-23.44	Peak	0.00	150	Vertical	Pass
3**	2776.600	41.85	-10.52	54.0	-12.15	AV	0.00	150	Vertical	Pass
4	4824.250	47.53	-5.96	74.0	-26.47	Peak	122.00	150	Vertical	Pass
4**	4824.250	44.57	-5.96	54.0	-9.43	AV	122.00	150	Vertical	Pass
5	13192.500	46.70	3.05	74.0	-27.30	Peak	232.00	150	Vertical	Pass
5**	13192.500	39.16	3.05	54.0	-14.84	AV	232.00	150	Vertical	Pass
6	17562.499	49.01	6.34	74.0	-24.99	Peak	150.00	150	Vertical	Pass
6**	17562.499	40.94	6.34	54.0	-13.06	AV	150.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1303.500	40.91	-19.10	74.0	-33.09	Peak	60.00	150	Horizontal	Pass
1**	1303.500	31.95	-19.10	54.0	-22.05	AV	60.00	150	Horizontal	Pass
2	2440.700	97.90	-14.40	74.0	23.90	Peak	292.00	150	Horizontal	N/A
2**	2440.700	89.18	-14.40	54.0	35.18	AV	292.00	150	Horizontal	N/A
3	2777.300	50.35	-10.20	74.0	-23.65	Peak	231.00	150	Horizontal	Pass
3**	2777.300	41.80	-10.20	54.0	-12.20	AV	231.00	150	Horizontal	Pass
4	4874.250	49.05	-6.13	74.0	-24.95	Peak	121.00	150	Horizontal	Pass
4**	4874.250	45.90	-6.13	54.0	-8.10	AV	121.00	150	Horizontal	Pass
5	13175.000	45.92	2.68	74.0	-28.08	Peak	338.00	150	Horizontal	Pass
5**	13175.000	37.76	2.68	54.0	-16.24	AV	338.00	150	Horizontal	Pass
6	17795.000	49.03	6.37	74.0	-24.97	Peak	355.00	150	Horizontal	Pass
6**	17795.000	41.16	6.37	54.0	-12.84	AV	355.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.800	41.16	-19.29	74.0	-32.84	Peak	309.00	150	Vertical	Pass
1**	1580.800	31.33	-19.29	54.0	-22.67	AV	309.00	150	Vertical	Pass
2	2440.800	91.36	-14.31	74.0	17.36	Peak	257.00	150	Vertical	N/A
2**	2440.800	83.48	-14.31	54.0	29.48	AV	257.00	150	Vertical	N/A
3	2784.900	50.98	-9.85	74.0	-23.02	Peak	15.00	150	Vertical	Pass
3**	2784.900	41.39	-9.85	54.0	-12.61	AV	15.00	150	Vertical	Pass
4	4874.250	48.58	-6.13	74.0	-25.42	Peak	111.00	150	Vertical	Pass
4**	4874.250	43.27	-6.13	54.0	-10.73	AV	111.00	150	Vertical	Pass
5	13185.000	47.55	2.89	74.0	-26.45	Peak	218.00	150	Vertical	Pass
5**	13185.000	39.24	2.89	54.0	-14.76	AV	218.00	150	Vertical	Pass
6	17540.000	48.66	6.31	74.0	-25.34	Peak	93.00	150	Vertical	Pass
6**	17540.000	40.73	6.31	54.0	-13.27	AV	93.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1273.900	40.76	-19.61	74.0	-33.24	Peak	360.00	150	Horizontal	Pass
1**	1273.900	30.73	-19.61	54.0	-23.27	AV	360.00	150	Horizontal	Pass
2	2457.900	94.12	-13.53	74.0	20.12	Peak	308.00	150	Horizontal	N/A
2**	2457.900	86.06	-13.53	54.0	32.06	AV	308.00	150	Horizontal	N/A
3	2776.300	50.55	-10.68	74.0	-23.45	Peak	274.00	150	Horizontal	Pass
3**	2776.300	41.25	-10.68	54.0	-12.75	AV	274.00	150	Horizontal	Pass
4	7581.250	54.05	0.07	74.0	-19.95	Peak	77.00	150	Horizontal	Pass
4**	7581.250	44.30	0.07	54.0	-9.70	AV	77.00	150	Horizontal	Pass
5	13222.500	46.46	2.31	74.0	-27.54	Peak	83.00	150	Horizontal	Pass
5**	13222.500	38.67	2.31	54.0	-15.33	AV	83.00	150	Horizontal	Pass
6	17799.999	49.31	6.52	74.0	-24.69	Peak	39.00	150	Horizontal	Pass
6**	17799.999	41.83	6.52	54.0	-12.17	AV	39.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.700	40.92	-19.55	74.0	-33.08	Peak	87.00	150	Vertical	Pass
1**	1472.700	30.73	-19.55	54.0	-23.27	AV	87.00	150	Vertical	Pass
2	2458.100	89.14	-13.53	74.0	15.14	Peak	207.00	150	Vertical	N/A
2**	2458.100	81.48	-13.53	54.0	27.48	AV	207.00	150	Vertical	N/A
3	2782.200	50.36	-10.01	74.0	-23.64	Peak	61.00	150	Vertical	Pass
3**	2782.200	41.73	-10.01	54.0	-12.27	AV	61.00	150	Vertical	Pass
4	7654.750	52.77	-0.64	74.0	-21.23	Peak	156.00	150	Vertical	Pass
4**	7654.750	44.06	-0.64	54.0	-9.94	AV	156.00	150	Vertical	Pass
5	13407.500	46.90	2.52	74.0	-27.10	Peak	301.00	150	Vertical	Pass
5**	13407.500	39.47	2.52	54.0	-14.53	AV	301.00	150	Vertical	Pass
6	17797.501	48.48	6.45	74.0	-25.52	Peak	133.00	150	Vertical	Pass
6**	17797.501	41.93	6.45	54.0	-12.07	AV	133.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.300	41.51	-19.46	74.0	-32.49	Peak	322.00	150	Horizontal	Pass
1**	1402.300	32.25	-19.46	54.0	-21.75	AV	322.00	150	Horizontal	Pass
2	2436.900	90.96	-14.69	74.0	16.96	Peak	117.00	150	Horizontal	N/A
2**	2436.900	83.69	-14.69	54.0	29.69	AV	117.00	150	Horizontal	N/A
3	2996.900	49.04	-11.61	74.0	-24.96	Peak	270.00	150	Horizontal	Pass
3**	2996.900	40.44	-11.61	54.0	-13.56	AV	270.00	150	Horizontal	Pass
4	4844.250	50.10	-6.33	74.0	-23.90	Peak	85.00	150	Horizontal	Pass
4**	4844.250	47.77	-6.33	54.0	-6.23	AV	85.00	150	Horizontal	Pass
5	13525.000	46.32	2.08	74.0	-27.68	Peak	85.00	150	Horizontal	Pass
5**	13525.000	38.63	2.08	54.0	-15.37	AV	85.00	150	Horizontal	Pass
6	17849.999	48.63	5.17	74.0	-25.37	Peak	25.00	150	Horizontal	Pass
6**	17849.999	39.90	5.17	54.0	-14.10	AV	25.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.600	41.11	-19.72	74.0	-32.89	Peak	285.00	150	Vertical	Pass
1**	1445.600	30.74	-19.72	54.0	-23.26	AV	285.00	150	Vertical	Pass
2	2427.600	88.56	-14.29	74.0	14.56	Peak	242.00	150	Vertical	N/A
2**	2427.600	80.61	-14.29	54.0	26.61	AV	242.00	150	Vertical	N/A
3	2999.600	50.01	-11.33	74.0	-23.99	Peak	234.00	150	Vertical	Pass
3**	2999.600	40.30	-11.33	54.0	-13.70	AV	234.00	150	Vertical	Pass
4	4844.250	47.83	-6.33	74.0	-26.17	Peak	264.00	150	Vertical	Pass
4**	4844.250	44.83	-6.33	54.0	-9.17	AV	264.00	150	Vertical	Pass
5	13402.500	46.80	2.58	74.0	-27.20	Peak	140.00	150	Vertical	Pass
5**	13402.500	38.76	2.58	54.0	-15.24	AV	140.00	150	Vertical	Pass
6	17802.500	49.04	6.46	74.0	-24.96	Peak	53.00	150	Vertical	Pass
6**	17802.500	42.75	6.46	54.0	-11.25	AV	53.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.000	40.29	-19.80	74.0	-33.71	Peak	228.00	150	Horizontal	Pass
1**	1203.000	30.69	-19.80	54.0	-23.31	AV	228.00	150	Horizontal	Pass
2	2444.000	91.91	-14.34	74.0	17.91	Peak	109.00	150	Horizontal	N/A
2**	2444.000	83.47	-14.34	54.0	29.47	AV	109.00	150	Horizontal	N/A
3	3711.750	45.69	-7.69	74.0	-28.31	Peak	335.00	150	Horizontal	Pass
3**	3711.750	35.97	-7.69	54.0	-18.03	AV	335.00	150	Horizontal	Pass
4	7580.250	52.90	0.18	74.0	-21.10	Peak	67.00	150	Horizontal	Pass
4**	7580.250	44.83	0.18	54.0	-9.17	AV	67.00	150	Horizontal	Pass
5	13372.500	47.61	2.68	74.0	-26.39	Peak	122.00	150	Horizontal	Pass
5**	13372.500	39.10	2.68	54.0	-14.90	AV	122.00	150	Horizontal	Pass
6	17787.501	48.74	6.15	74.0	-25.26	Peak	177.00	150	Horizontal	Pass
6**	17787.501	41.32	6.15	54.0	-12.68	AV	177.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1848.500	43.01	-17.60	74.0	-30.99	Peak	0.00	150	Vertical	Pass
1**	1848.500	33.68	-17.60	54.0	-20.32	AV	0.00	150	Vertical	Pass
2	2430.400	85.81	-14.29	74.0	11.81	Peak	254.00	150	Vertical	N/A
2**	2430.400	77.14	-14.29	54.0	23.14	AV	254.00	150	Vertical	N/A
3	4234.000	46.32	-7.78	74.0	-27.68	Peak	147.00	150	Vertical	Pass
3**	4234.000	36.10	-7.78	54.0	-17.90	AV	147.00	150	Vertical	Pass
4	7585.750	53.33	0.05	74.0	-20.67	Peak	2.00	150	Vertical	Pass
4**	7585.750	44.05	0.05	54.0	-9.95	AV	2.00	150	Vertical	Pass
5	13387.500	46.34	2.64	74.0	-27.66	Peak	66.00	150	Vertical	Pass
5**	13387.500	38.27	2.64	54.0	-15.73	AV	66.00	150	Vertical	Pass
6	17814.999	49.18	6.12	74.0	-24.82	Peak	274.00	150	Vertical	Pass
6**	17814.999	40.18	6.12	54.0	-13.82	AV	274.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.200	40.51	-19.33	74.0	-33.49	Peak	313.00	150	Horizontal	Pass
1**	1475.200	30.89	-19.33	54.0	-23.11	AV	313.00	150	Horizontal	Pass
2	2443.600	92.64	-14.20	74.0	18.64	Peak	116.00	150	Horizontal	N/A
2**	2443.600	84.65	-14.20	54.0	30.65	AV	116.00	150	Horizontal	N/A
3	4346.000	47.27	-5.86	74.0	-26.73	Peak	37.00	150	Horizontal	Pass
3**	4346.000	37.19	-5.86	54.0	-16.81	AV	37.00	150	Horizontal	Pass
4	7364.500	53.14	-0.72	74.0	-20.86	Peak	55.00	150	Horizontal	Pass
4**	7364.500	44.36	-0.72	54.0	-9.64	AV	55.00	150	Horizontal	Pass
5	13555.000	47.19	2.37	74.0	-26.81	Peak	348.00	150	Horizontal	Pass
5**	13555.000	40.75	2.37	54.0	-13.25	AV	348.00	150	Horizontal	Pass
6	17592.500	49.01	5.95	74.0	-24.99	Peak	262.00	150	Horizontal	Pass
6**	17592.500	40.51	5.95	54.0	-13.49	AV	262.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1932.300	50.30	-17.98	74.0	-23.70	Peak	100.00	150	Vertical	Pass
1**	1932.300	37.17	-17.98	54.0	-16.83	AV	100.00	150	Vertical	Pass
2	2459.200	86.10	-13.52	74.0	12.10	Peak	245.00	150	Vertical	N/A
2**	2459.200	78.83	-13.52	54.0	24.83	AV	245.00	150	Vertical	N/A
3	4972.500	49.65	-3.27	74.0	-24.35	Peak	175.00	150	Vertical	Pass
3**	4972.500	39.99	-3.27	54.0	-14.01	AV	175.00	150	Vertical	Pass
4	7986.500	53.05	0.65	74.0	-20.95	Peak	193.00	150	Vertical	Pass
4**	7986.500	43.53	0.65	54.0	-10.47	AV	193.00	150	Vertical	Pass
5	13482.500	46.20	1.84	74.0	-27.80	Peak	83.00	150	Vertical	Pass
5**	13482.500	37.40	1.84	54.0	-16.60	AV	83.00	150	Vertical	Pass
6	17792.500	49.50	6.30	74.0	-24.50	Peak	101.00	150	Vertical	Pass
6**	17792.500	41.12	6.30	54.0	-12.88	AV	101.00	150	Vertical	Pass



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

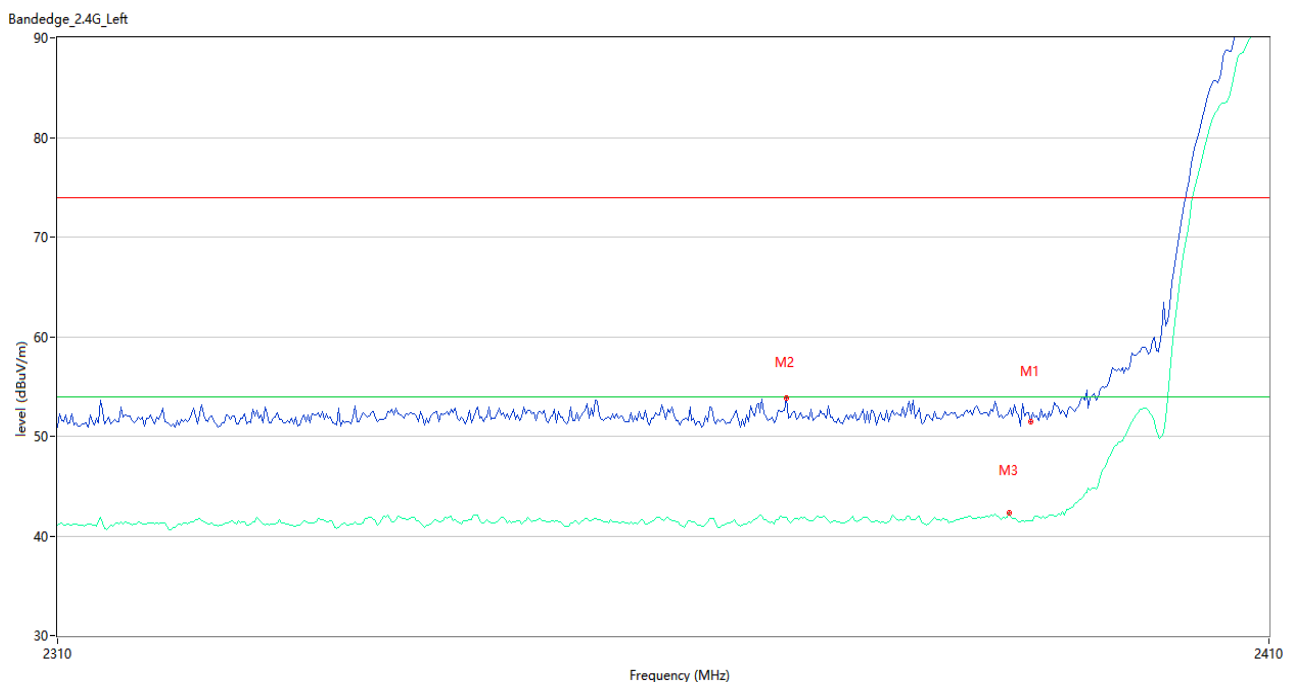
Note <sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

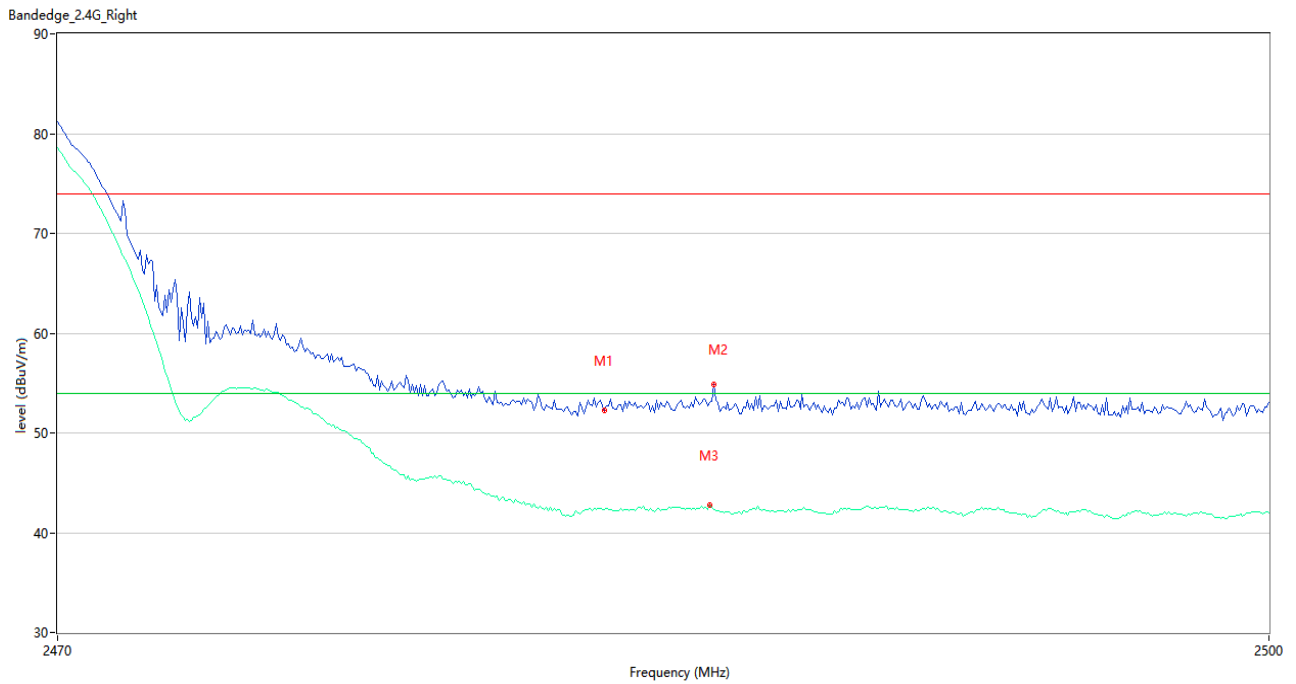
### Test Data and Plots

#### 802.11b LOW CHANNEL



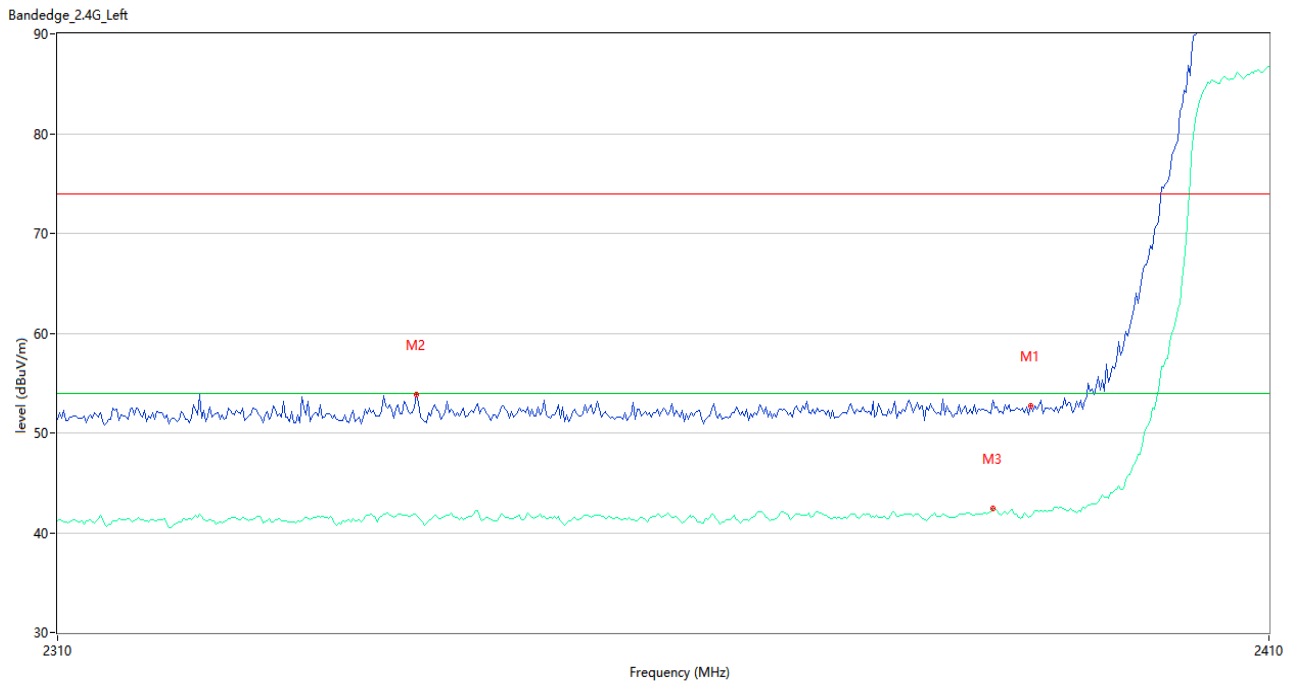
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.51	-3.52	74.0	-22.49	Peak	319.00	150	Horizontal	Pass
1**	2390.000	41.47	-3.52	54.0	-12.53	AV	319.00	150	Horizontal	Pass
2	2369.667	53.80	-2.78	74.0	-20.20	Peak	344.00	150	Horizontal	Pass
2**	2369.667	41.85	-2.78	54.0	-12.15	AV	344.00	150	Horizontal	Pass
3	2388.167	52.51	-2.92	74.0	-21.49	Peak	327.00	150	Horizontal	Pass
3**	2388.167	42.29	-2.92	54.0	-11.71	AV	327.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



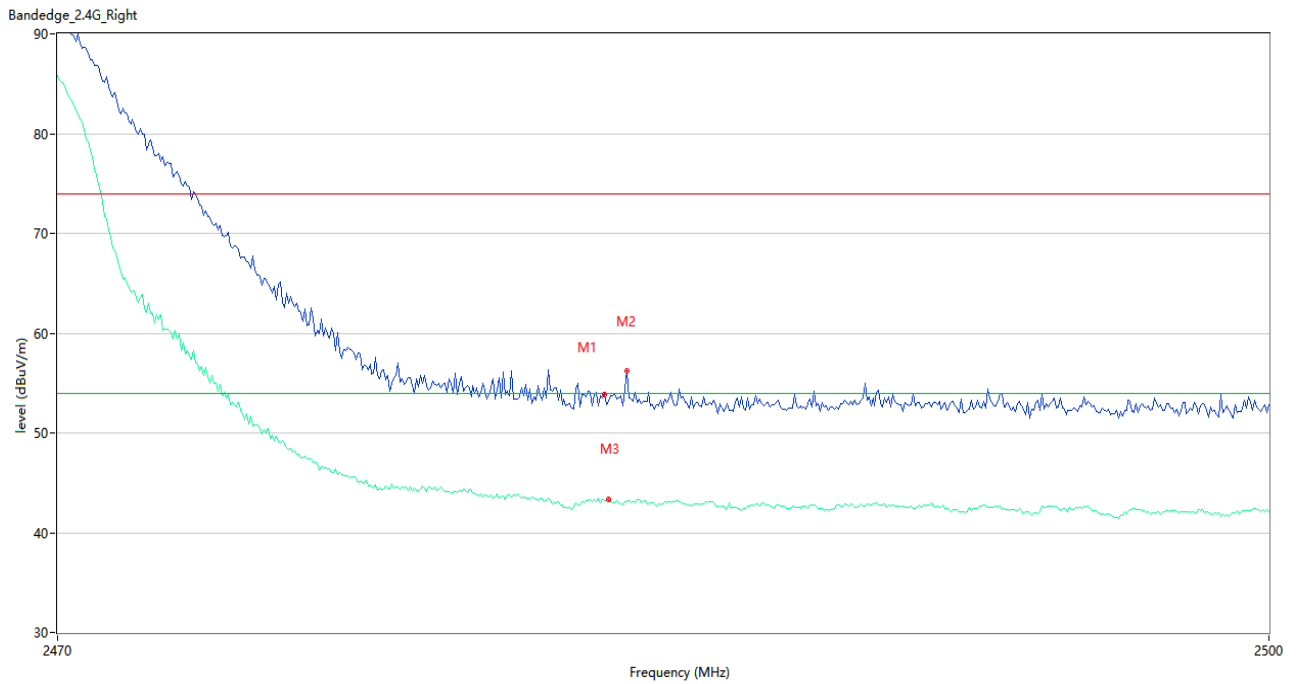
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.28	-2.54	74.0	-21.72	Peak	23.00	150	Horizontal	Pass
1**	2483.500	42.31	-2.54	54.0	-11.69	AV	23.00	150	Horizontal	Pass
2	2486.200	54.82	-2.52	74.0	-19.18	Peak	360.00	150	Horizontal	Pass
2**	2486.200	42.27	-2.52	54.0	-11.73	AV	360.00	150	Horizontal	Pass
3	2486.100	53.01	-2.43	74.0	-20.99	Peak	77.00	150	Horizontal	Pass
3**	2486.100	42.74	-2.43	54.0	-11.26	AV	77.00	150	Horizontal	Pass

802.11g LOW CHANNEL



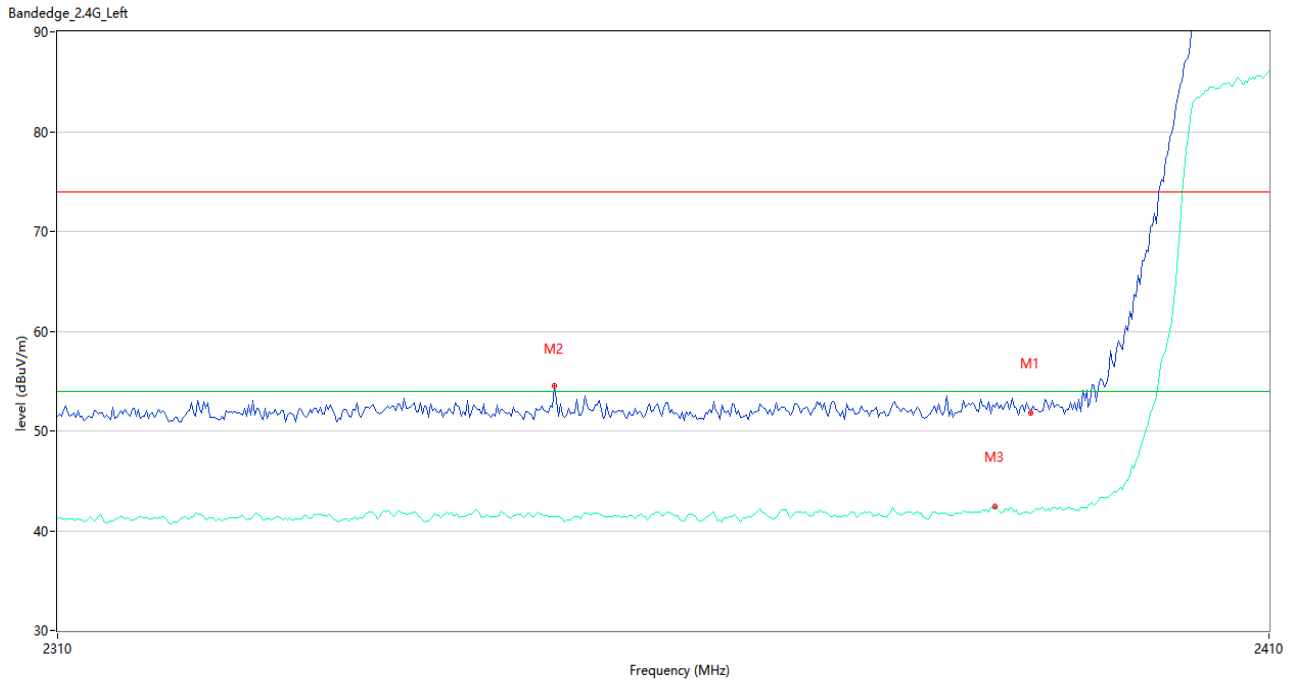
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	52.68	-3.52	74.0	-21.32	Peak	128.00	150	Horizontal	Pass
1**	2390.000	41.64	-3.52	54.0	-12.36	AV	128.00	150	Horizontal	Pass
2	2339.167	53.84	-2.95	74.0	-20.16	Peak	338.00	150	Horizontal	Pass
2**	2339.167	41.71	-2.95	54.0	-12.29	AV	338.00	150	Horizontal	Pass
3	2386.833	53.22	-2.76	74.0	-20.78	Peak	120.00	150	Horizontal	Pass
3**	2386.833	42.42	-2.76	54.0	-11.58	AV	120.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



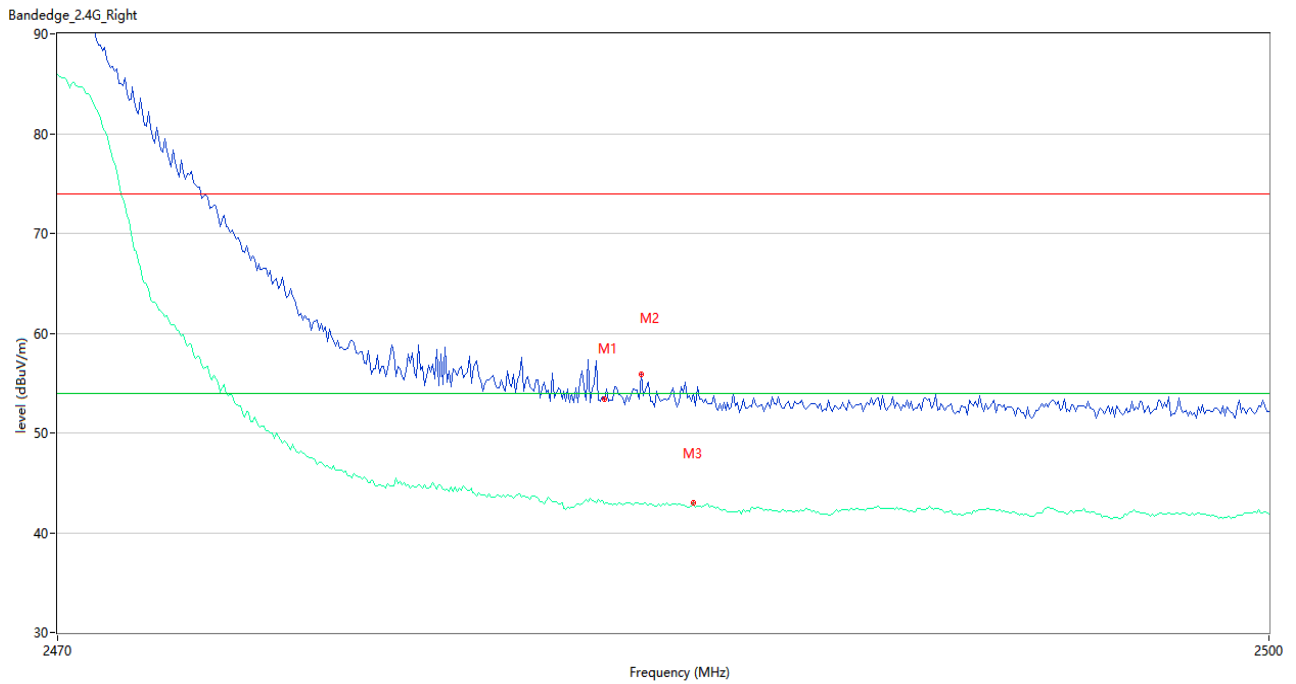
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.86	-2.54	74.0	-20.14	Peak	96.00	150	Horizontal	Pass
1**	2483.500	43.18	-2.54	54.0	-10.82	AV	96.00	150	Horizontal	Pass
2	2484.050	56.18	-2.62	74.0	-17.82	Peak	138.00	150	Horizontal	Pass
2**	2484.050	43.07	-2.62	54.0	-10.93	AV	138.00	150	Horizontal	Pass
3	2483.600	53.18	-2.59	74.0	-20.82	Peak	112.00	150	Horizontal	Pass
3**	2483.600	43.36	-2.59	54.0	-10.64	AV	112.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



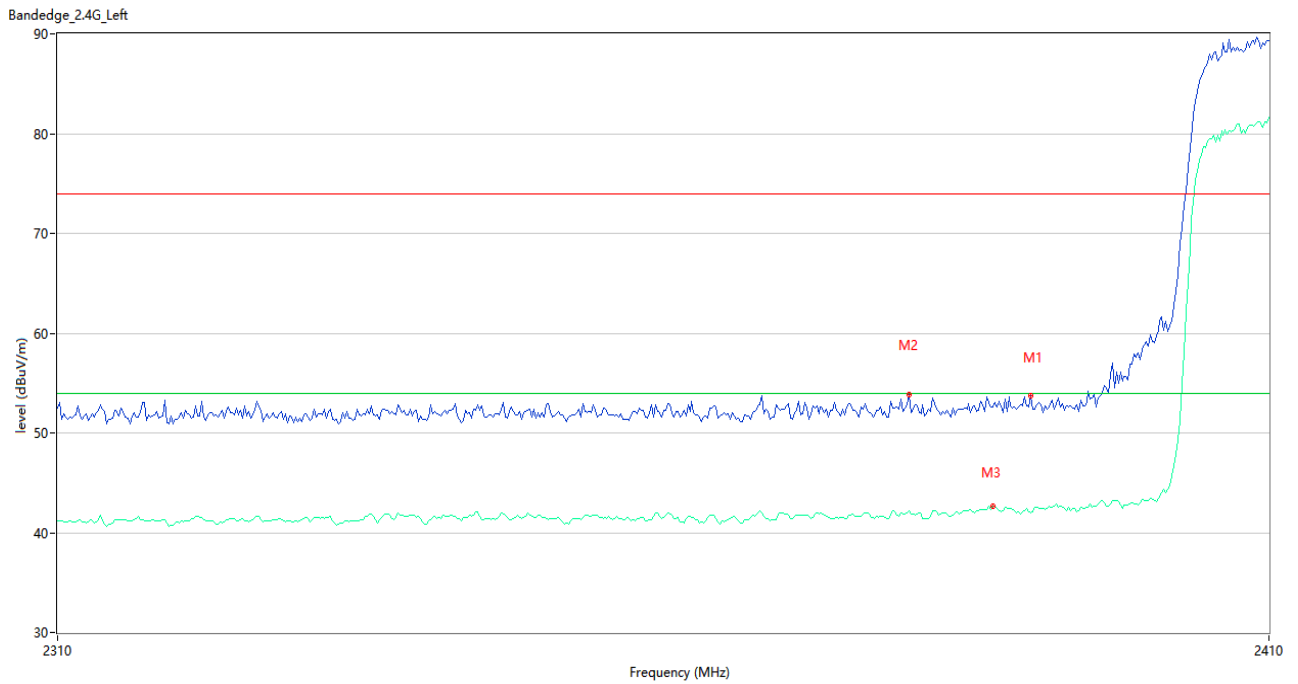
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.79	-3.52	74.0	-22.21	Peak	262.00	150	Horizontal	Pass
1**	2390.000	41.71	-3.52	54.0	-12.29	AV	262.00	150	Horizontal	Pass
2	2350.500	54.51	-3.07	74.0	-19.49	Peak	92.00	150	Horizontal	Pass
2**	2350.500	41.45	-3.07	54.0	-12.55	AV	92.00	150	Horizontal	Pass
3	2387.000	52.32	-2.66	74.0	-21.68	Peak	310.00	150	Horizontal	Pass
3**	2387.000	42.40	-2.66	54.0	-11.60	AV	310.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



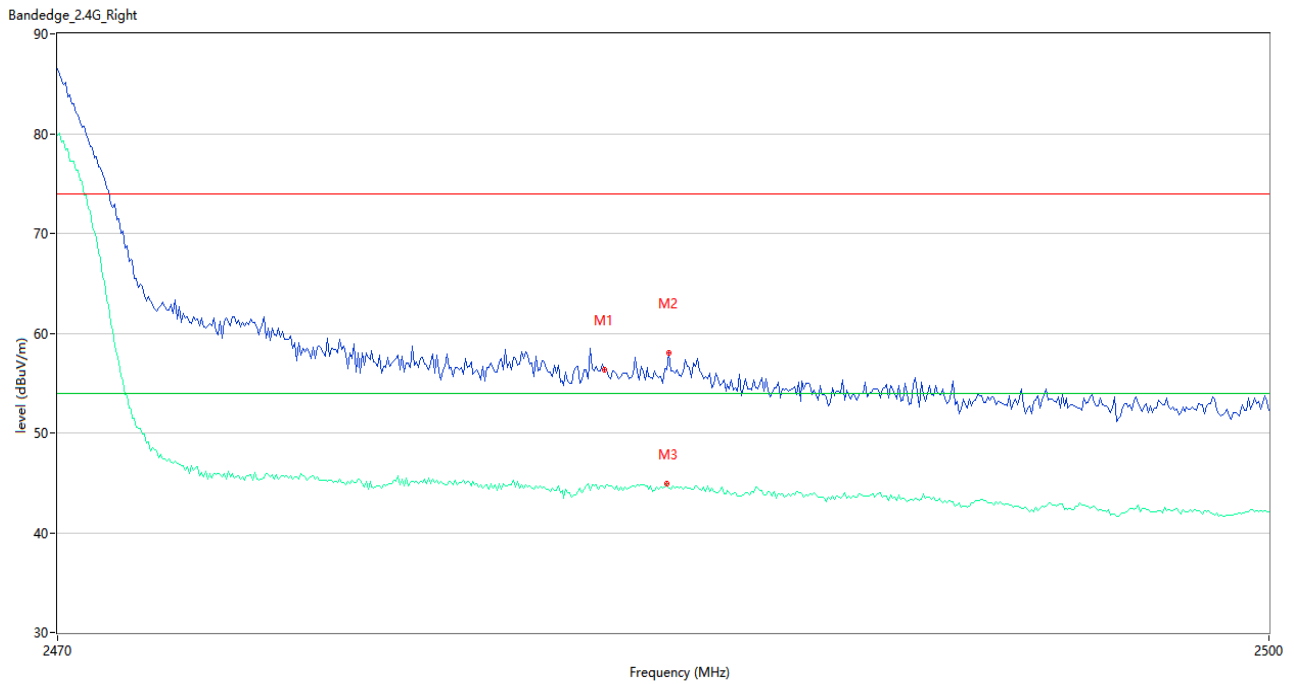
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.35	-2.54	74.0	-20.65	Peak	131.00	150	Horizontal	Pass
1**	2483.500	42.90	-2.54	54.0	-11.10	AV	131.00	150	Horizontal	Pass
2	2484.400	55.90	-2.45	74.0	-18.10	Peak	111.00	150	Horizontal	Pass
2**	2484.400	42.90	-2.45	54.0	-11.10	AV	111.00	150	Horizontal	Pass
3	2485.700	53.95	-2.51	74.0	-20.05	Peak	111.00	150	Horizontal	Pass
3**	2485.700	43.03	-2.51	54.0	-10.97	AV	111.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	53.68	-3.52	74.0	-20.32	Peak	113.00	150	Horizontal	Pass
1**	2390.000	41.96	-3.52	54.0	-12.04	AV	113.00	150	Horizontal	Pass
2	2379.833	53.79	-2.94	74.0	-20.21	Peak	238.00	150	Horizontal	Pass
2**	2379.833	42.16	-2.94	54.0	-11.84	AV	238.00	150	Horizontal	Pass
3	2386.833	52.63	-2.76	74.0	-21.37	Peak	0.00	150	Horizontal	Pass
3**	2386.833	42.67	-2.76	54.0	-11.33	AV	0.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.29	-2.54	74.0	-17.71	Peak	128.00	150	Horizontal	Pass
1**	2483.500	44.44	-2.54	54.0	-9.56	AV	128.00	150	Horizontal	Pass
2	2485.100	57.97	-2.44	74.0	-16.03	Peak	124.00	150	Horizontal	Pass
2**	2485.100	44.51	-2.44	54.0	-9.49	AV	124.00	150	Horizontal	Pass
3	2485.050	56.36	-2.48	74.0	-17.64	Peak	133.00	150	Horizontal	Pass
3**	2485.050	44.88	-2.48	54.0	-9.12	AV	133.00	150	Horizontal	Pass



## A.8 Power Spectral Density (PSD)

### Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.18	8
Middle	-20.18	8
High	-19.62	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-24.12	8
Middle	-23.48	8
High	-24.42	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-25.28	8
Middle	-23.82	8
High	-25.66	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-28.56	8
Middle	-29.53	8
High	-28.98	8

Test Plots

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



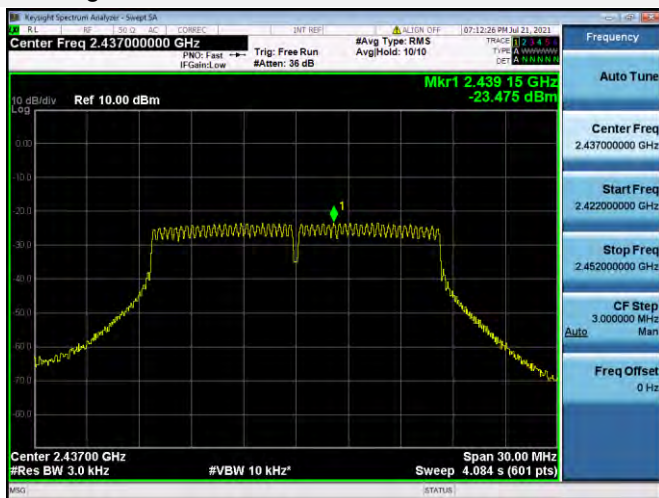
802.11b HIGH CHANNEL



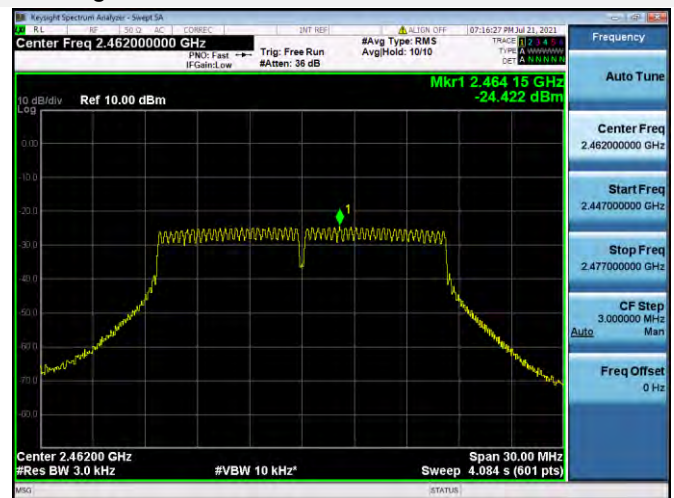
802.11g LOW CHANNEL



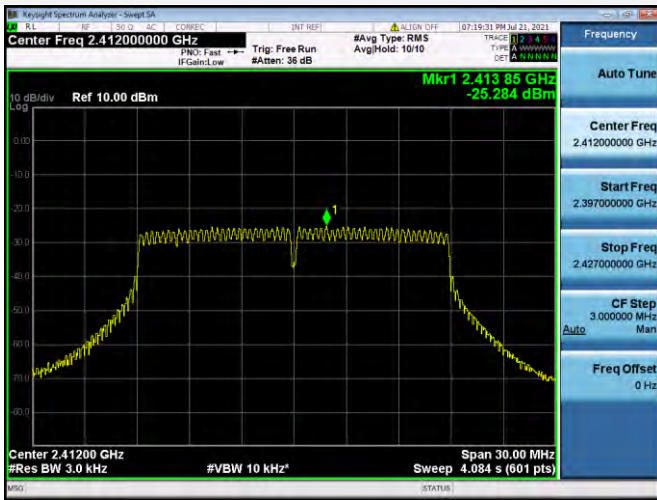
802.11g MIDDLE CHANNEL



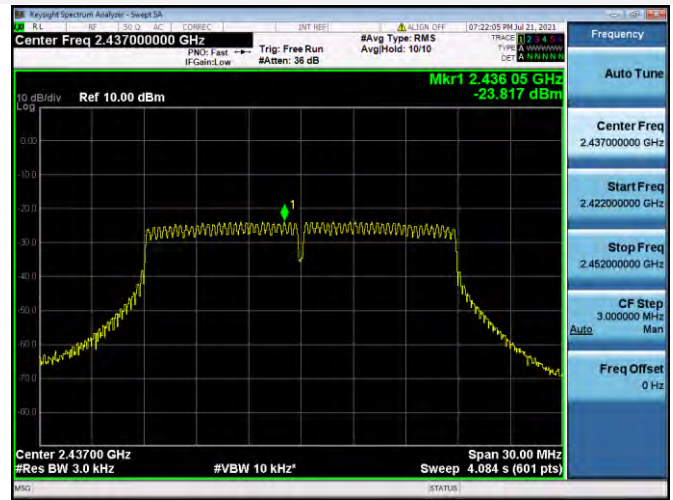
802.11g HIGH CHANNEL



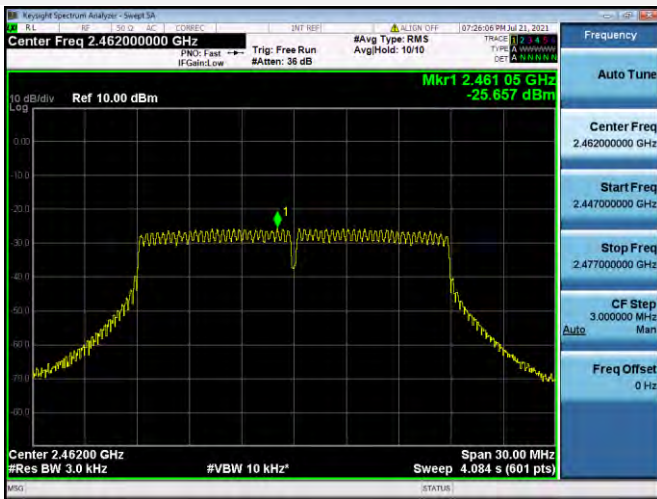
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



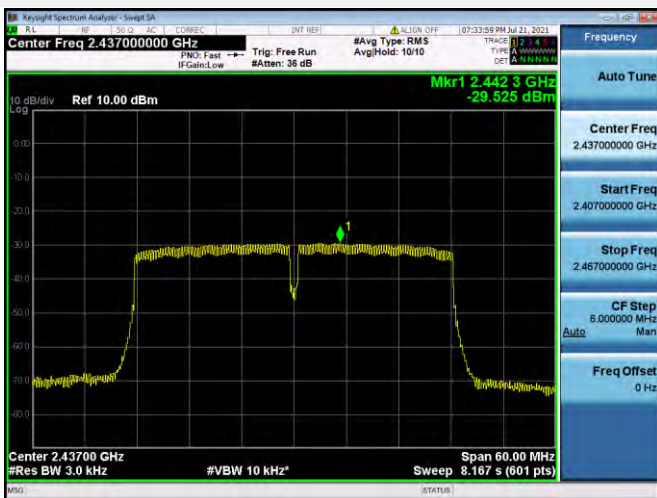
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2260455-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2260455-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2260455-AI.PDF”.

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--END OF REPORT--