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

Note [1]: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note [2]: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

Antenna 0

802.11b Mode：

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.09	7.69	-12.32	Pass
High Channel	-55.56	7.49	-12.51	Pass

802.11g Mode：

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.26	0.99	-19.01	Pass
High Channel	-54.02	0.30	-19.70	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.78	1.76	-18.24	Pass
High Channel	-51.87	0.85	-19.15	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.23	-3.42	-23.42	Pass
High Channel	-51.25	-4.57	-24.57	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.54	0.77	-19.23	Pass
High Channel	-52.44	0.49	-19.51	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.44	-3.32	-23.32	Pass
High Channel	-51.92	-3.74	-23.74	Pass

Antenna 1

802.11b Mode：

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-45.54	7.22	-12.78	Pass
High Channel	-56.76	7.44	-12.56	Pass

802.11g Mode：

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.03	0.75	-19.25	Pass
High Channel	-54.39	0.97	-19.03	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.63	1.66	-18.34	Pass
High Channel	-52.96	1.89	-18.11	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.20	-3.17	-23.17	Pass
High Channel	-49.11	-3.76	-23.76	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.90	0.05	-19.95	Pass
High Channel	-52.21	0.80	-19.20	Pass

802.11ax-40 MHz(SU) Mode:

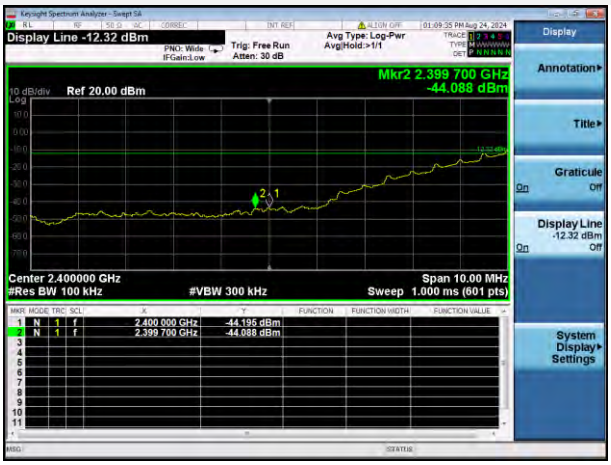
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.58	-3.32	-23.32	Pass
High Channel	-51.09	-3.69	-23.69	Pass

Test Plots

Antenna 0

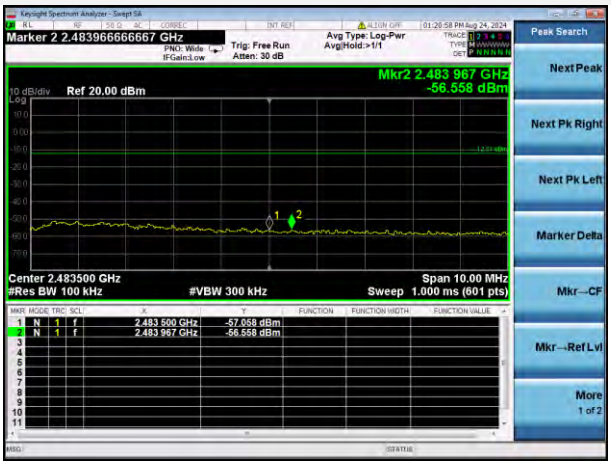
802.11b LOW CHANNEL, CARRIER LEVEL

802.11b LOW CHANNEL, BAND EDGE

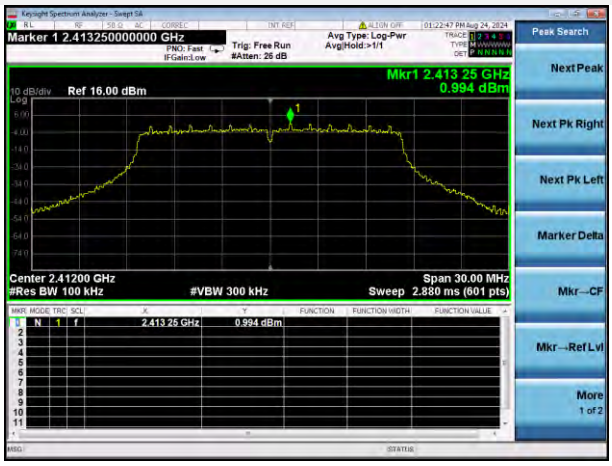


802.11b HIGH CHANNEL, CARRIER LEVEL

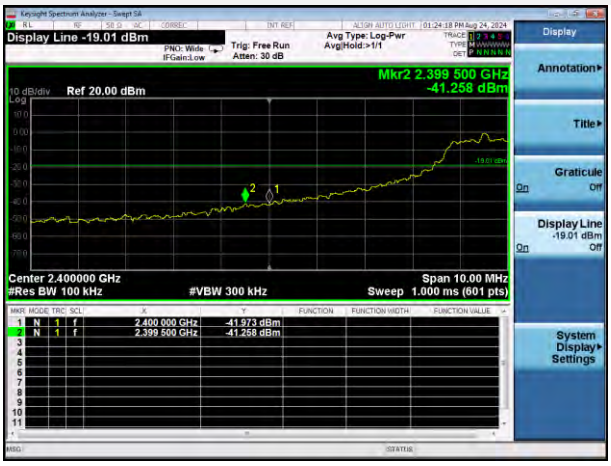
802.11b HIGH CHANNEL, BAND EDGE



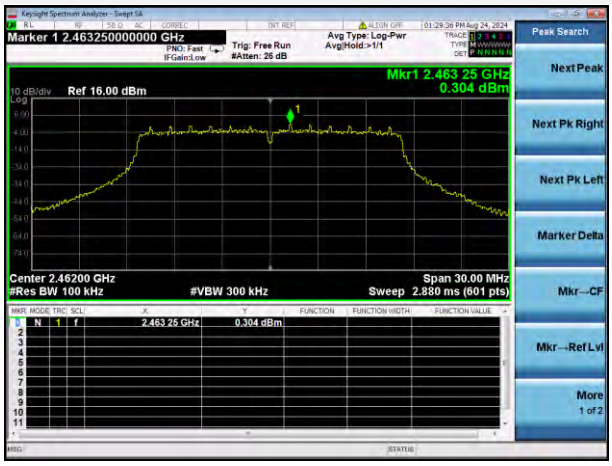
802.11g LOW CHANNEL, CARRIER LEVEL



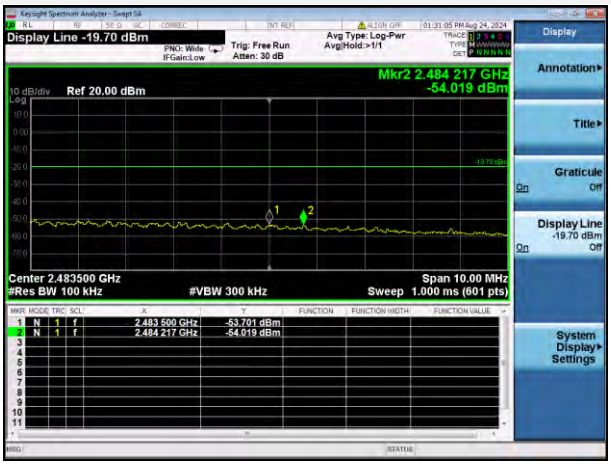
802.11g LOW CHANNEL, BAND EDGE



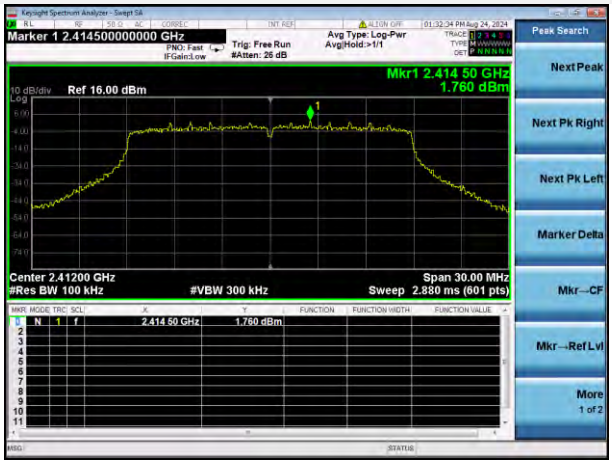
802.11g HIGH CHANNEL, CARRIER LEVEL



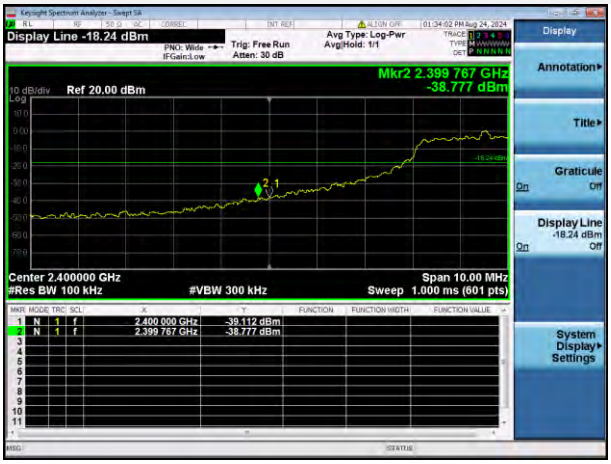
802.11g HIGH CHANNEL, BAND EDGE



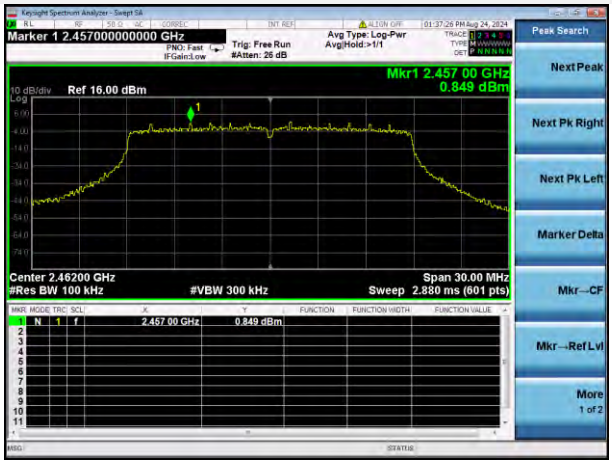
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



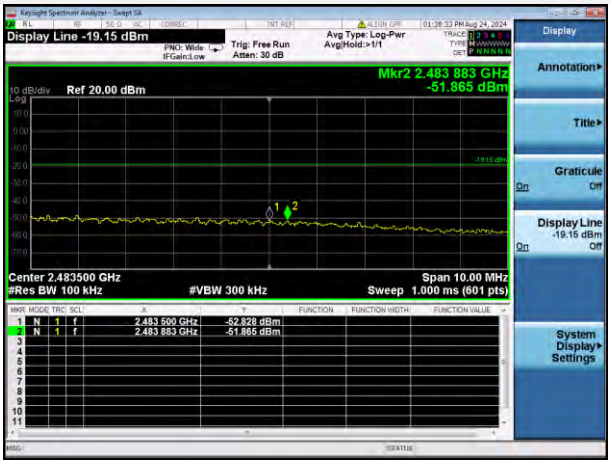
802.11n-20 MHz LOW CHANNEL, BAND EDGE



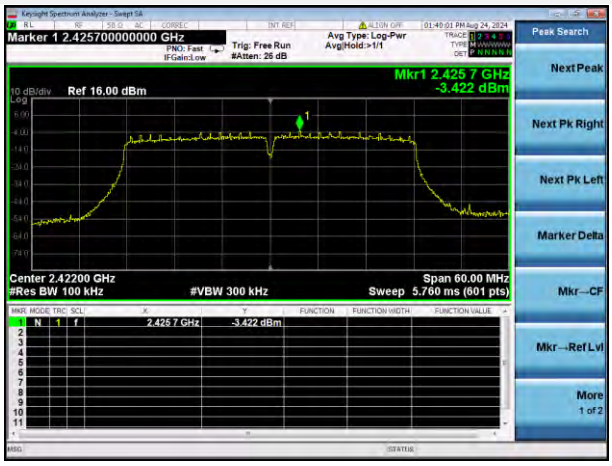
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



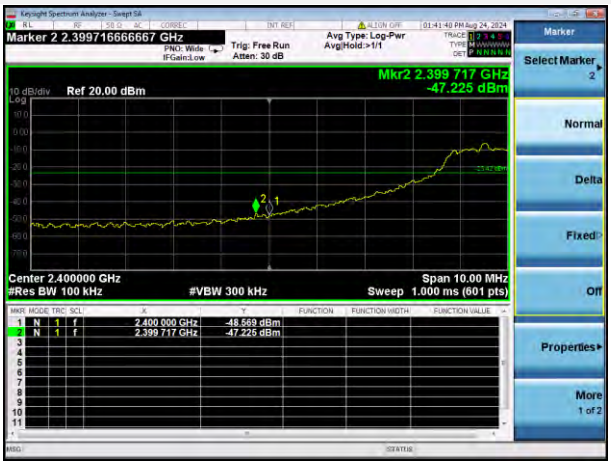
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



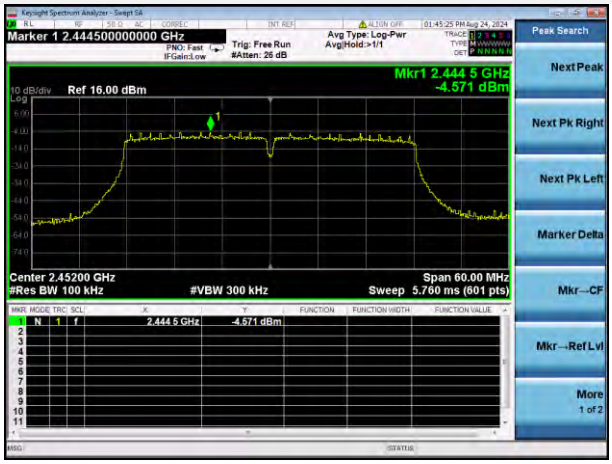
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



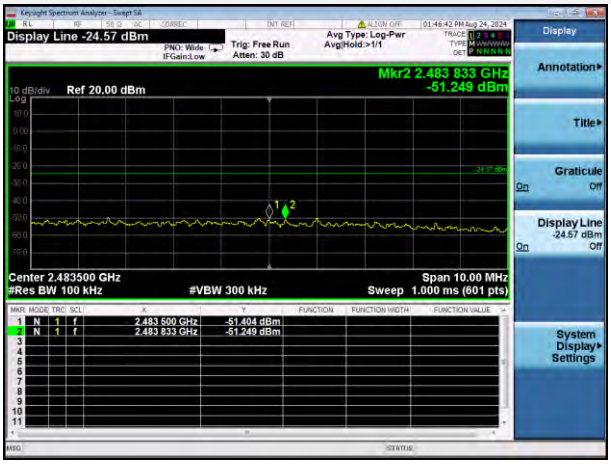
802.11n-40 MHz LOW CHANNEL, BAND EDGE



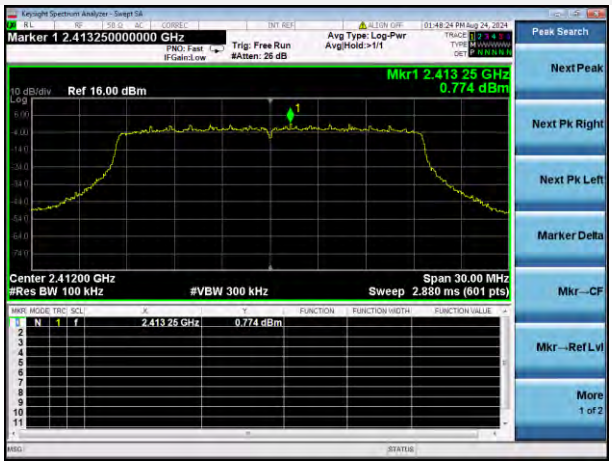
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



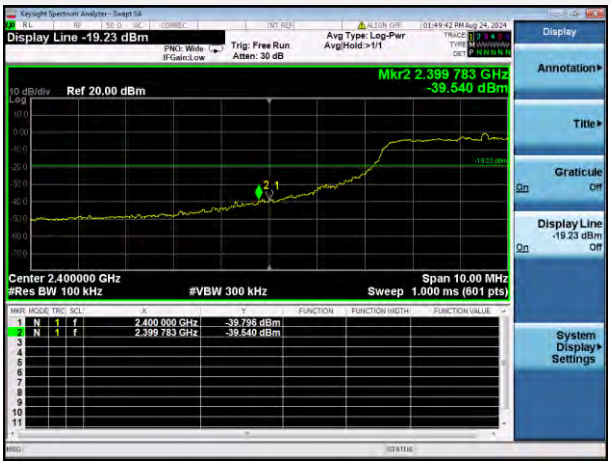
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



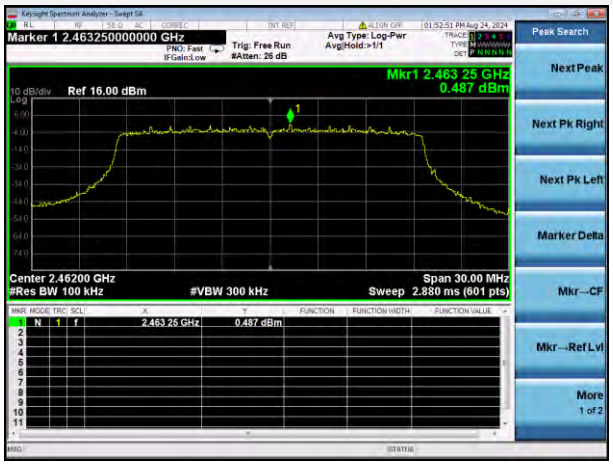
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



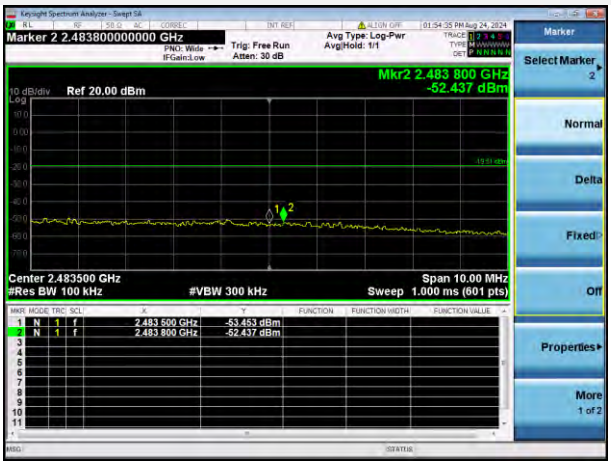
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



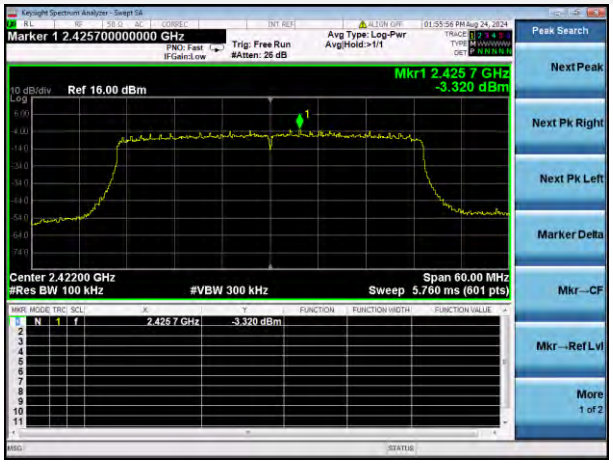
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



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

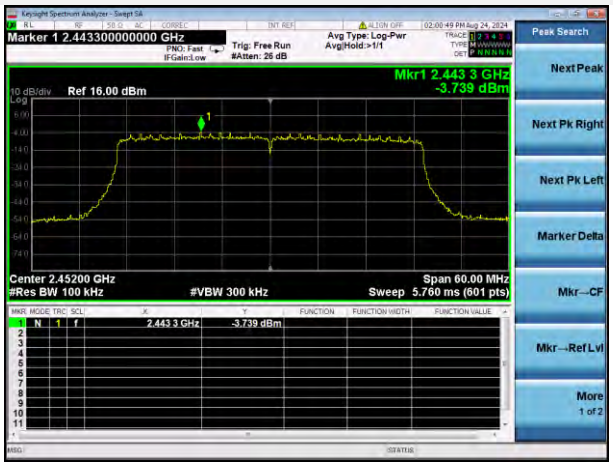


802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL

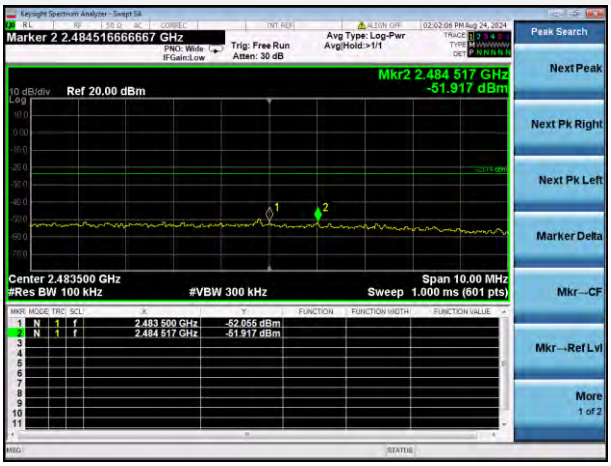


802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE

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



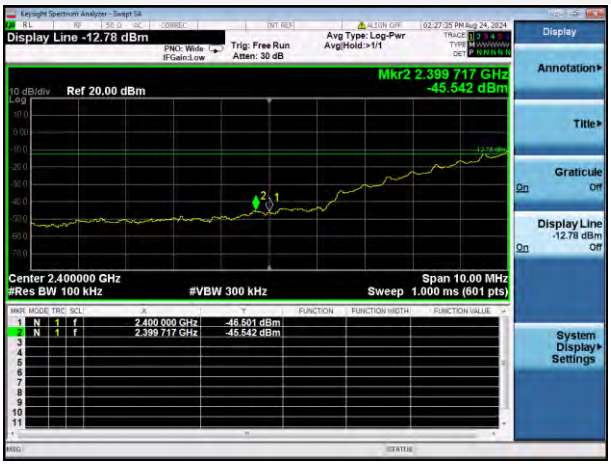
802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



Antenna 1

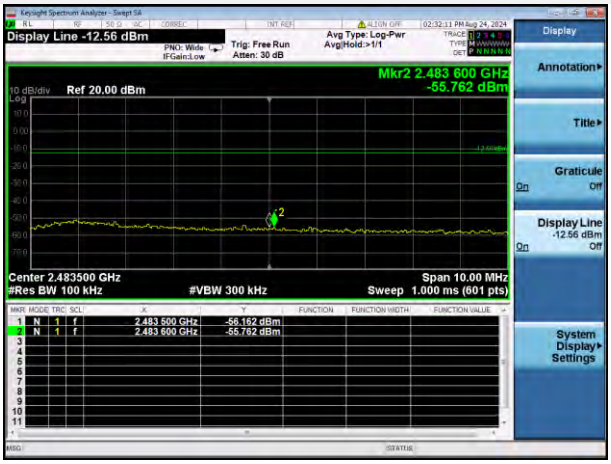
802.11b LOW CHANNEL, CARRIER LEVEL

802.11b LOW CHANNEL, BAND EDGE

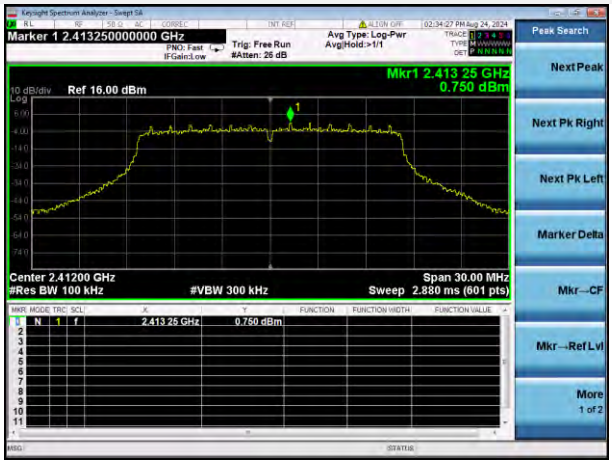


802.11b HIGH CHANNEL, CARRIER LEVEL

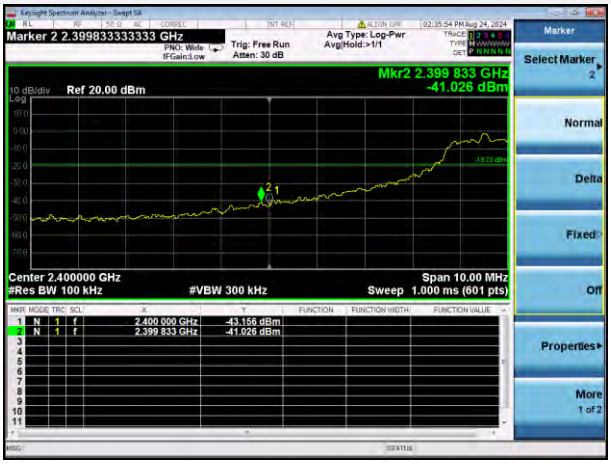
802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL

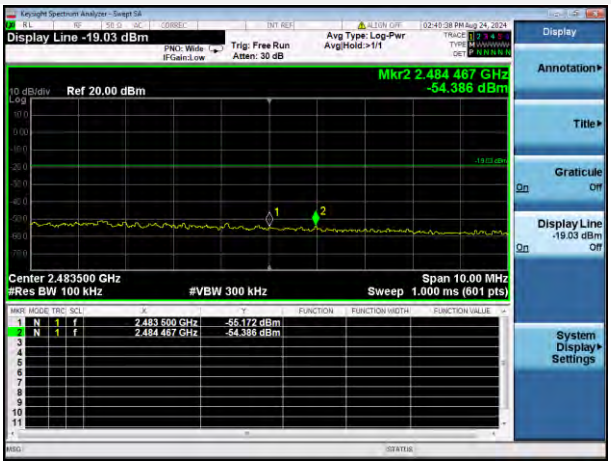


802.11g LOW CHANNEL, BAND EDGE

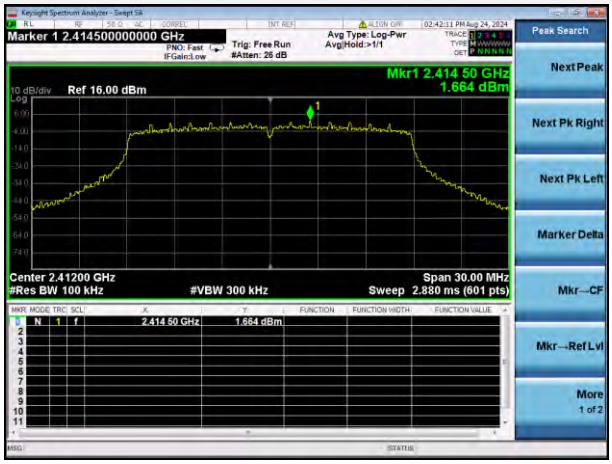


802.11g HIGH CHANNEL, CARRIER LEVEL

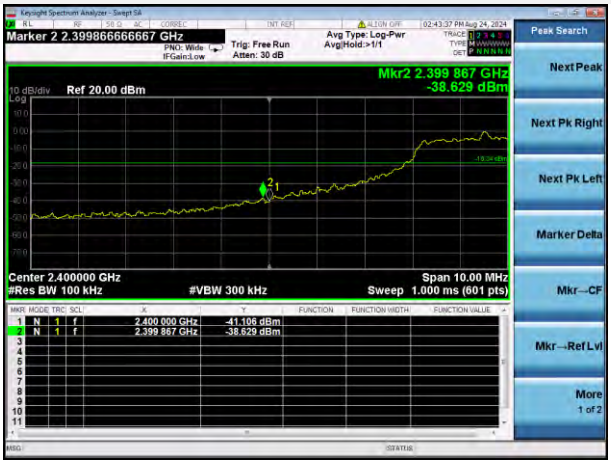
802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL

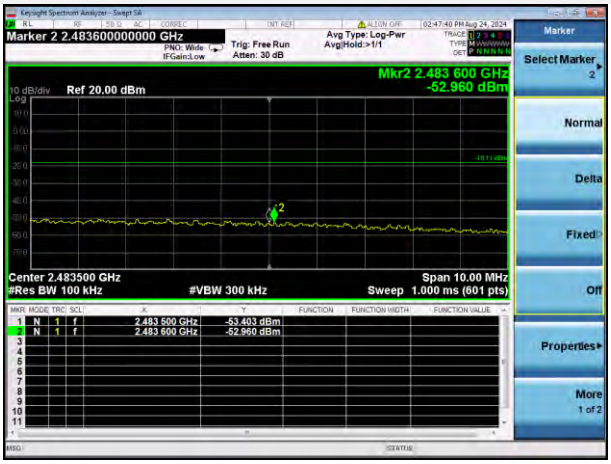


802.11n-20 MHz LOW CHANNEL, BAND EDGE

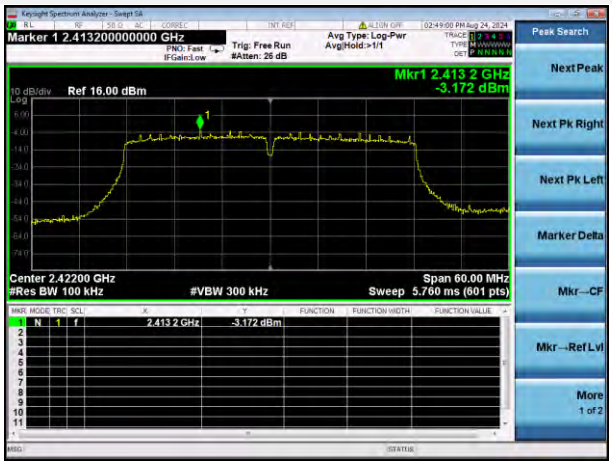


802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL

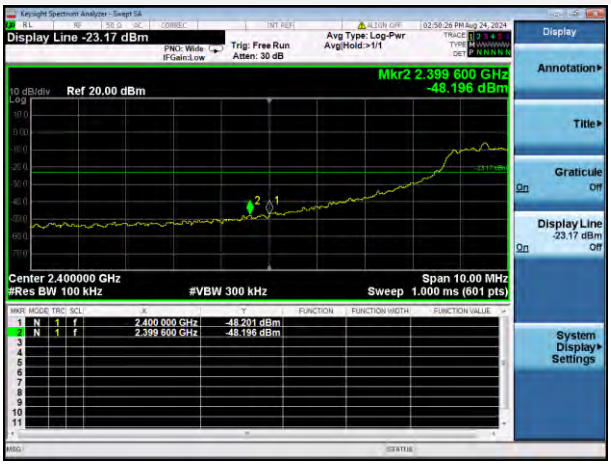
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



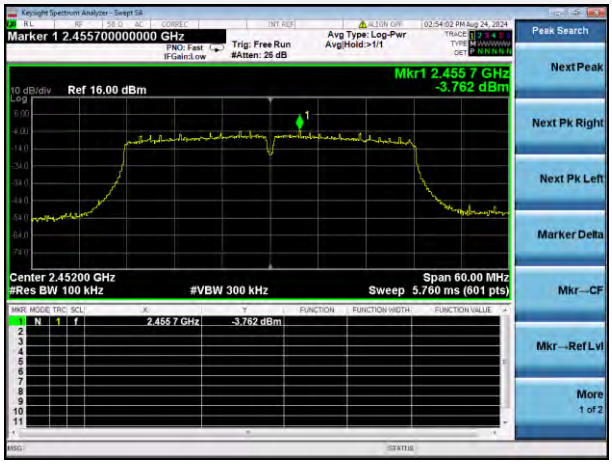
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



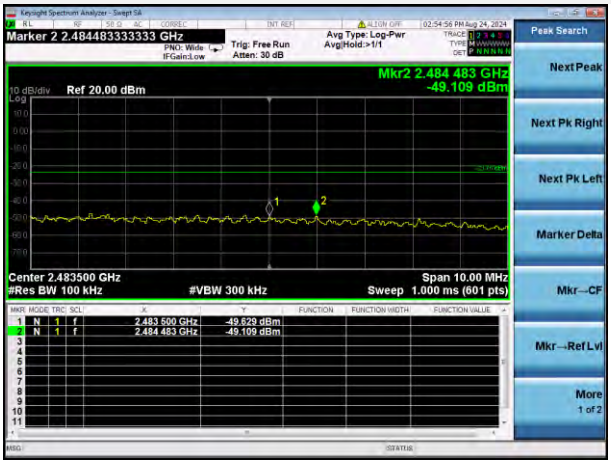
802.11n-40 MHz LOW CHANNEL, BAND EDGE



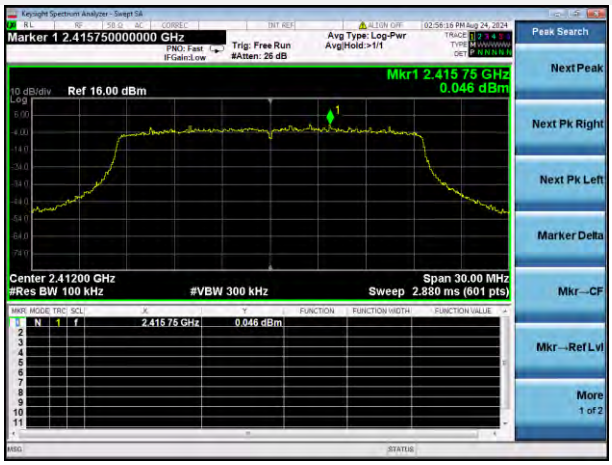
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



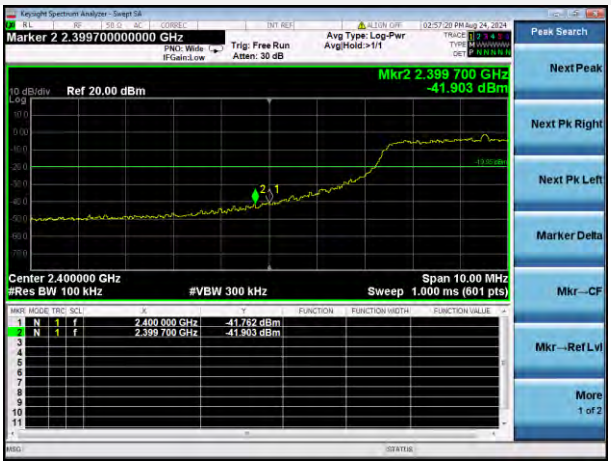
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



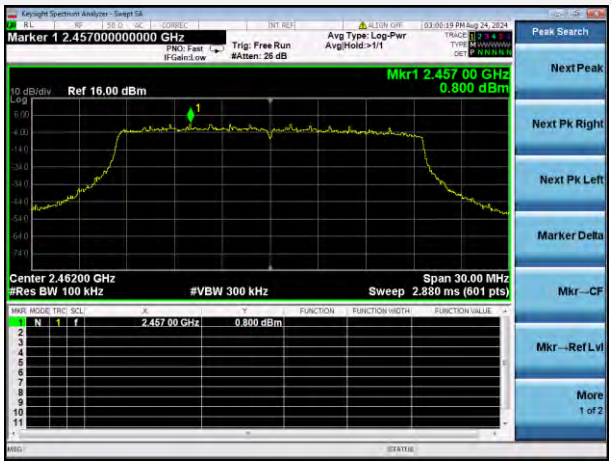
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



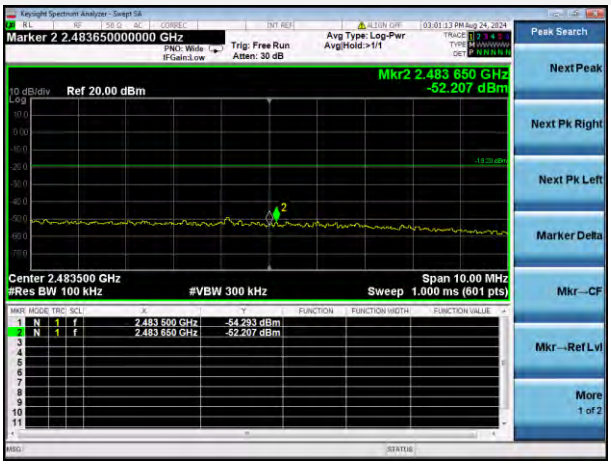
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



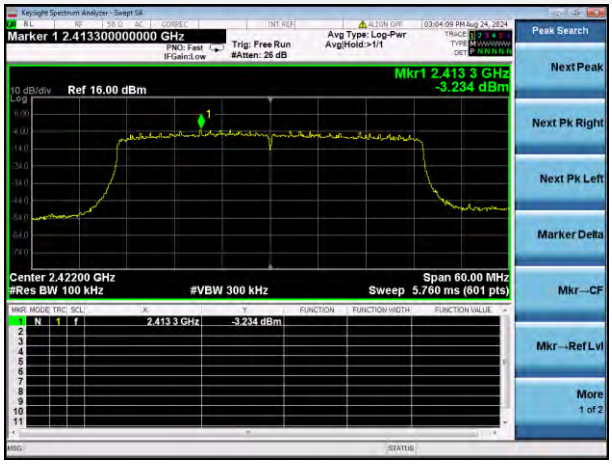
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



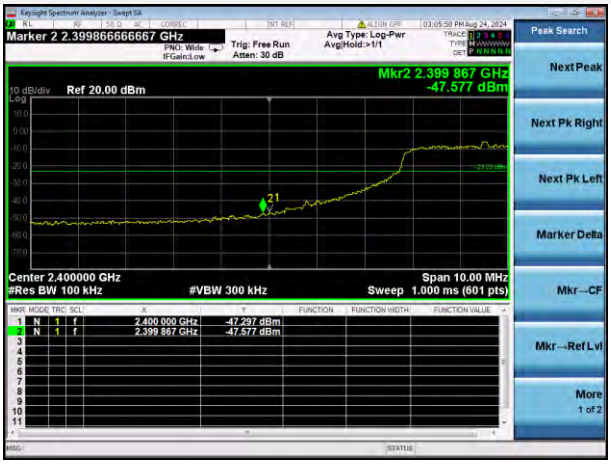
802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



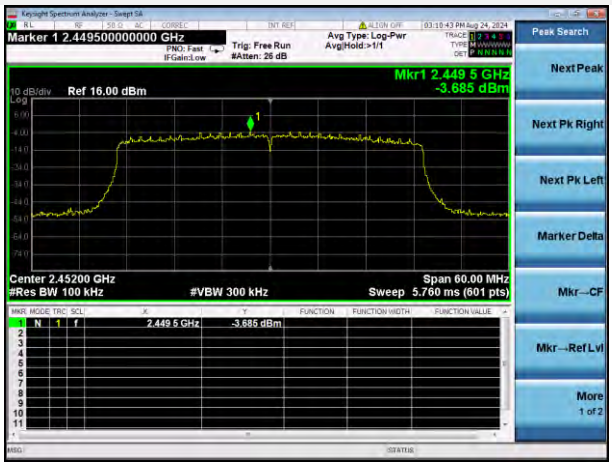
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



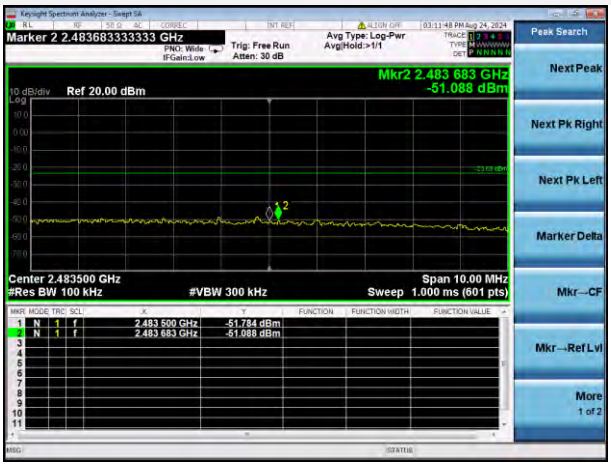
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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



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



A.5 Conducted Emissions

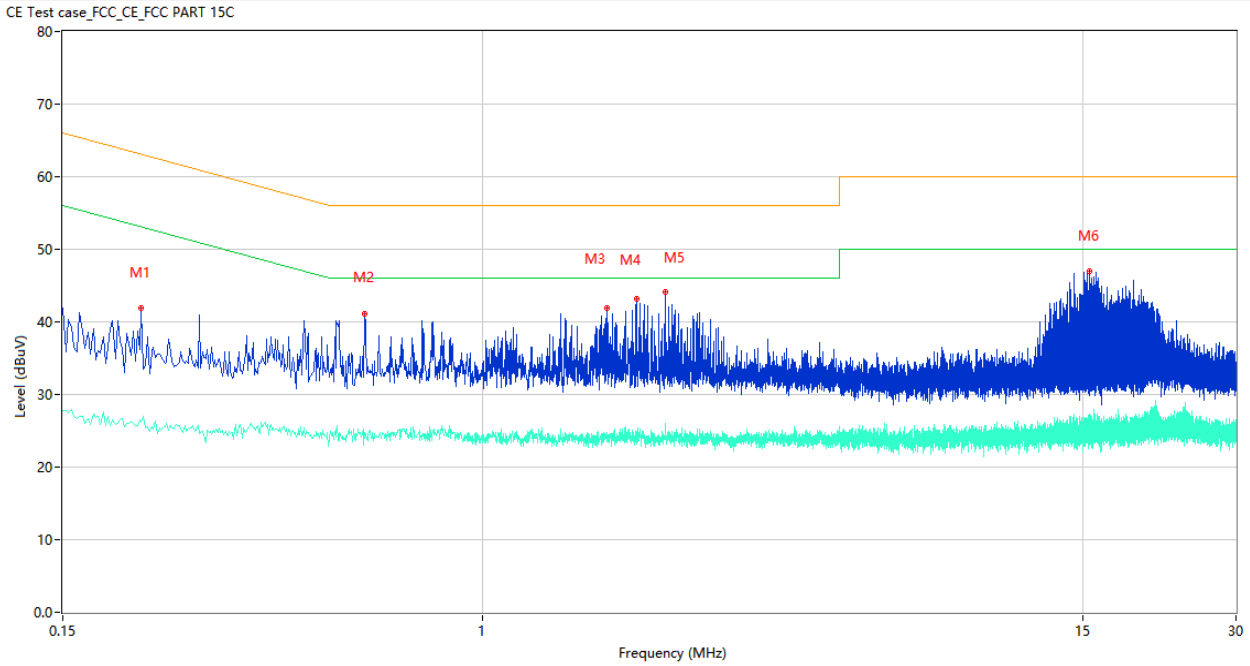
Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note [2]: 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 [3]: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

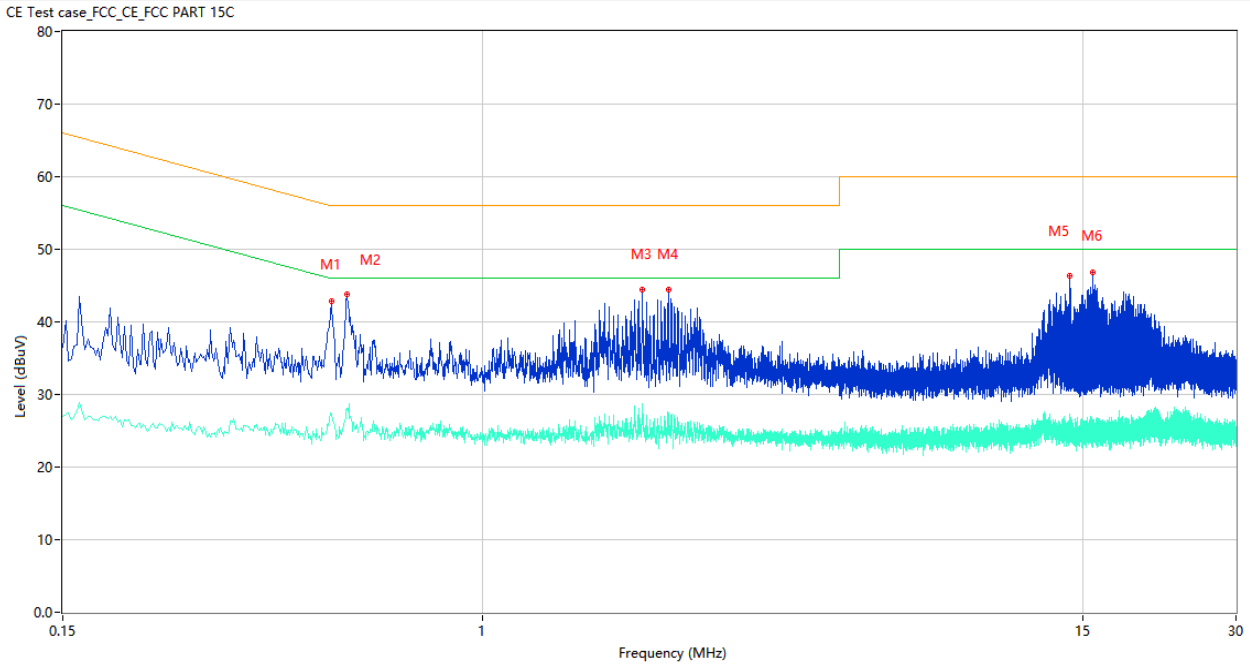
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.214	41.84	9.77	63.05	21.21	Peak	L	Pass
1**	0.214	26.17	9.77	53.05	26.88	AV	L	Pass
2	0.586	41.12	10.13	56.00	14.88	Peak	L	Pass
2**	0.586	24.72	10.13	46.00	21.28	AV	L	Pass
3	1.750	41.98	10.15	56.00	14.02	Peak	L	Pass
3**	1.750	24.81	10.15	46.00	21.19	AV	L	Pass
4	2.000	43.22	10.23	56.00	12.78	Peak	L	Pass
4**	2.000	24.95	10.23	46.00	21.05	AV	L	Pass
5	2.282	44.11	10.26	56.00	11.89	Peak	L	Pass
5**	2.282	26.03	10.26	46.00	19.97	AV	L	Pass
6	15.508	46.95	10.56	60.00	13.05	Peak	L	Pass
6**	15.508	27.25	10.56	50.00	22.75	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.504	42.88	9.98	56.00	13.12	Peak	N	Pass
1**	0.504	27.01	9.98	46.00	18.99	AV	N	Pass
2	0.542	43.82	10.02	56.00	12.18	Peak	N	Pass
2**	0.542	28.05	10.02	46.00	17.95	AV	N	Pass
3	2.058	44.41	10.37	56.00	11.59	Peak	N	Pass
3**	2.058	28.71	10.37	46.00	17.29	AV	N	Pass
4	2.310	44.37	10.25	56.00	11.63	Peak	N	Pass
4**	2.310	27.51	10.25	46.00	18.49	AV	N	Pass
5	14.154	46.39	10.78	60.00	13.61	Peak	N	Pass
5**	14.154	27.29	10.78	50.00	22.71	AV	N	Pass
6	15.710	46.83	10.62	60.00	13.17	Peak	N	Pass
6**	15.710	26.45	10.62	50.00	23.55	AV	N	Pass

A.6 Radiated Emission

Note [1]: The symbol of "--" in the table which means not application.

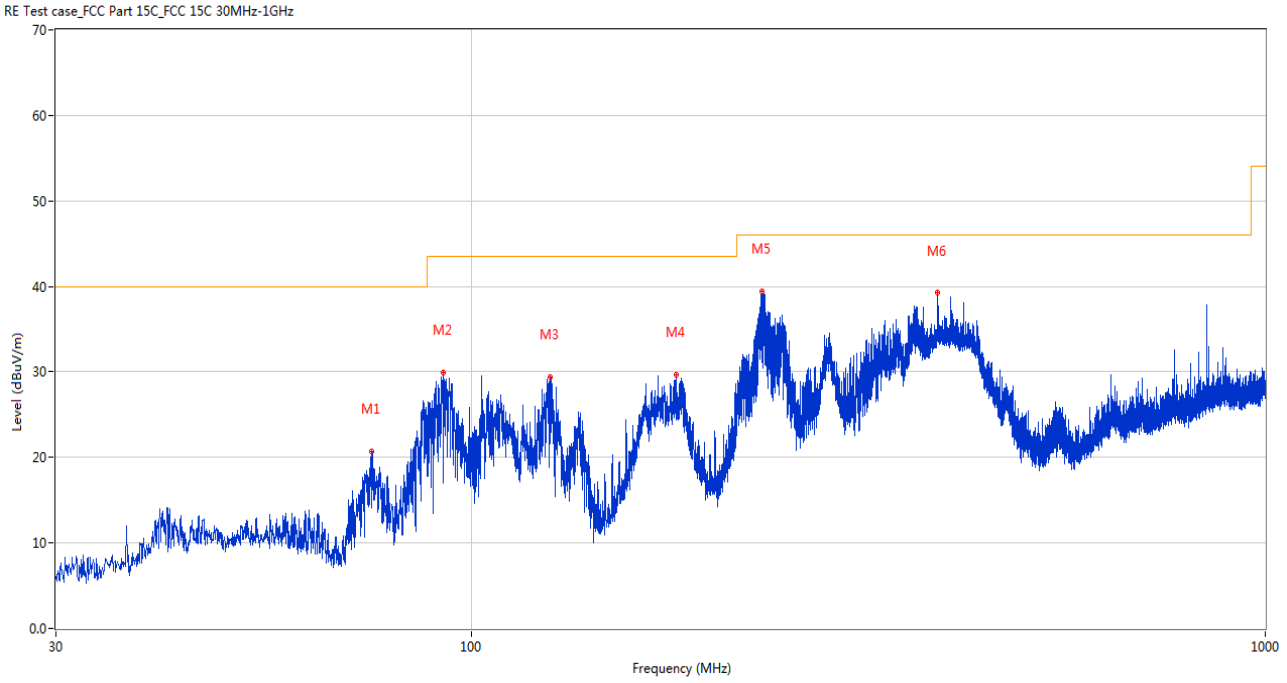
Note [2]: For the test data above 1 GHz，According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

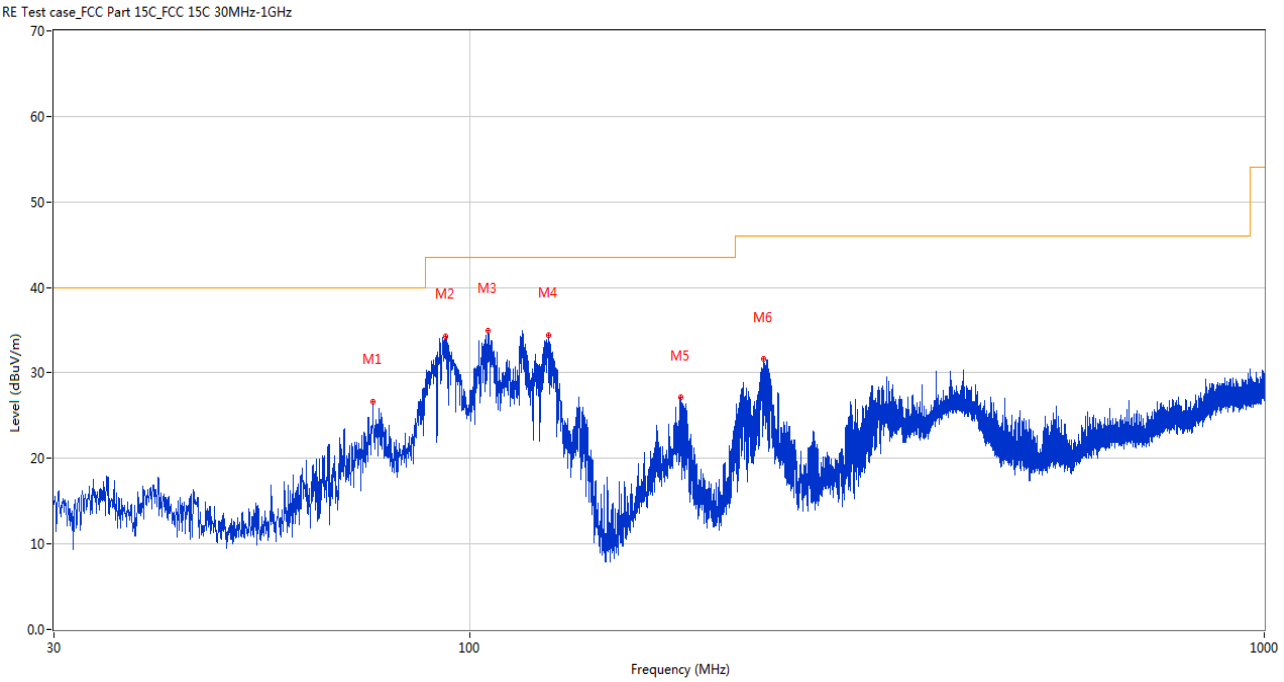
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	75.008	20.66	-30.73	40.0	19.34	Peak	197.10	200	Horizontal	Pass
2	92.274	29.95	-27.92	43.5	13.55	Peak	32.00	200	Horizontal	Pass
3	125.642	29.39	-29.16	43.5	14.11	Peak	354.90	200	Horizontal	Pass
4	181.320	29.62	-27.90	43.5	13.88	Peak	334.10	200	Horizontal	Pass
5	232.245	39.45	-24.99	46.0	6.55	Peak	155.00	100	Horizontal	Pass
6	386.523	39.23	-20.83	46.0	6.77	Peak	235.40	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	75.590	26.67	-30.81	40.0	13.33	Peak	26.60	100	Vertical	Pass
2	93.390	34.26	-27.74	43.5	9.24	Peak	141.50	100	Vertical	Pass
3	105.418	34.98	-26.77	43.5	8.52	Peak	333.70	100	Vertical	Pass
4	125.739	34.37	-29.17	43.5	9.13	Peak	198.70	100	Vertical	Pass
5	184.666	27.09	-27.39	43.5	16.41	Peak	34.60	100	Vertical	Pass
6	234.234	31.58	-24.76	46.0	14.42	Peak	223.70	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.

Note [3]: All the configurations were pre tested, only the worst configuration has been reported in this report.

MIMO

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.200	40.83	-19.78	74.0	33.17	Peak	229.00	100	Horizontal	Pass
1**	1327.200	30.18	-19.78	54.0	23.82	AV	229.00	100	Horizontal	Pass
2	2413.200	103.66	-14.62	74.0	-29.66	Peak	115.00	150	Horizontal	N/A
2**	2413.200	100.81	-14.62	54.0	-46.81	AV	115.00	150	Horizontal	N/A
3	2909.800	48.16	-11.92	74.0	25.84	Peak	0.00	200	Horizontal	Pass
3**	2909.800	38.86	-11.92	54.0	15.14	AV	0.00	200	Horizontal	Pass
4	4940.000	48.02	-4.02	74.0	25.98	Peak	6.00	300	Horizontal	Pass
4**	4940.000	39.76	-4.02	54.0	14.24	AV	6.00	300	Horizontal	Pass
5	7852.250	53.36	-0.50	74.0	20.64	Peak	16.00	400	Horizontal	Pass
5**	7852.250	43.81	-0.50	54.0	10.19	AV	16.00	400	Horizontal	Pass
6	17782.499	48.75	6.00	74.0	25.25	Peak	239.00	100	Horizontal	Pass
6**	17782.499	41.70	6.00	54.0	12.30	AV	239.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.600	40.78	-19.51	74.0	33.22	Peak	282.00	400	Vertical	Pass
1**	1501.600	32.05	-19.51	54.0	21.95	AV	282.00	400	Vertical	Pass
2	2410.900	103.56	-14.69	74.0	-29.56	Peak	18.00	200	Vertical	N/A
2**	2410.900	100.63	-14.69	54.0	-46.63	AV	18.00	200	Vertical	N/A
3	2738.900	48.38	-12.16	74.0	25.62	Peak	217.00	150	Vertical	Pass
3**	2738.900	39.00	-12.16	54.0	15.00	AV	217.00	150	Vertical	Pass
4	4824.250	47.15	-5.61	74.0	26.85	Peak	236.00	150	Vertical	Pass
4**	4824.250	42.97	-5.61	54.0	11.03	AV	236.00	150	Vertical	Pass
5	7721.500	53.74	-1.43	74.0	20.26	Peak	140.00	100	Vertical	Pass
5**	7721.500	42.91	-1.43	54.0	11.09	AV	140.00	100	Vertical	Pass
6	17799.999	48.72	6.52	74.0	25.28	Peak	86.00	400	Vertical	Pass
6**	17799.999	41.58	6.52	54.0	12.42	AV	86.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.700	39.89	-19.51	74.0	34.11	Peak	233.00	300	Horizontal	Pass
1**	1392.700	30.19	-19.51	54.0	23.81	AV	233.00	300	Horizontal	Pass
2	2435.800	104.13	-14.25	74.0	-30.13	Peak	105.00	100	Horizontal	N/A
2**	2435.800	101.28	-14.25	54.0	-47.28	AV	105.00	100	Horizontal	N/A
3	2786.700	49.00	-12.77	74.0	25.00	Peak	314.00	150	Horizontal	Pass
3**	2786.700	38.65	-12.77	54.0	15.35	AV	314.00	150	Horizontal	Pass
4	4874.250	47.12	-6.10	74.0	26.88	Peak	314.00	150	Horizontal	Pass
4**	4874.250	44.01	-6.10	54.0	9.99	AV	314.00	150	Horizontal	Pass
5	7860.250	53.42	0.02	74.0	20.58	Peak	360.00	100	Horizontal	Pass
5**	7860.250	43.88	0.02	54.0	10.12	AV	360.00	100	Horizontal	Pass
6	17777.500	49.03	5.85	74.0	24.97	Peak	71.00	100	Horizontal	Pass
6**	17777.500	41.19	5.85	54.0	12.81	AV	71.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.800	42.21	-19.77	74.0	31.79	Peak	127.00	400	Vertical	Pass
1**	1327.800	30.37	-19.77	54.0	23.63	AV	127.00	400	Vertical	Pass
2	2438.200	103.84	-14.00	74.0	-29.84	Peak	21.00	200	Vertical	N/A
2**	2438.200	100.88	-14.00	54.0	-46.88	AV	21.00	200	Vertical	N/A
3	2916.300	48.46	-11.75	74.0	25.54	Peak	184.00	150	Vertical	Pass
3**	2916.300	38.91	-11.75	54.0	15.09	AV	184.00	150	Vertical	Pass
4	4874.250	48.61	-6.10	74.0	25.39	Peak	355.00	150	Vertical	Pass
4**	4874.250	46.21	-6.10	54.0	7.79	AV	355.00	150	Vertical	Pass
5	7793.250	52.95	-0.58	74.0	21.05	Peak	240.00	200	Vertical	Pass
5**	7793.250	43.25	-0.58	54.0	10.75	AV	240.00	200	Vertical	Pass
6	17797.501	48.64	6.45	74.0	25.36	Peak	83.00	400	Vertical	Pass
6**	17797.501	40.91	6.45	54.0	13.09	AV	83.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.700	39.88	-19.63	74.0	34.12	Peak	215.00	100	Horizontal	Pass
1**	1511.700	30.09	-19.63	54.0	23.91	AV	215.00	100	Horizontal	Pass
2	2463.200	104.52	-13.69	74.0	-30.52	Peak	105.00	200	Horizontal	N/A
2**	2463.200	101.76	-13.69	54.0	-47.76	AV	105.00	200	Horizontal	N/A
3	2988.600	48.50	-12.37	74.0	25.50	Peak	167.00	100	Horizontal	Pass
3**	2988.600	38.95	-12.37	54.0	15.05	AV	167.00	100	Horizontal	Pass
4	4924.250	46.27	-4.84	74.0	27.73	Peak	315.00	150	Horizontal	Pass
4**	4924.250	43.30	-4.84	54.0	10.70	AV	315.00	150	Horizontal	Pass
5	7715.250	52.79	-1.55	74.0	21.21	Peak	324.00	100	Horizontal	Pass
5**	7715.250	43.34	-1.55	54.0	10.66	AV	324.00	100	Horizontal	Pass
6	17824.999	48.52	5.85	74.0	25.48	Peak	34.00	200	Horizontal	Pass
6**	17824.999	40.83	5.85	54.0	13.17	AV	34.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.800	42.14	-19.80	74.0	31.86	Peak	233.00	100	Vertical	Pass
1**	1330.800	30.94	-19.80	54.0	23.06	AV	233.00	100	Vertical	Pass
2	2460.700	103.55	-13.60	74.0	-29.55	Peak	274.00	100	Vertical	N/A
2**	2460.700	100.58	-13.60	54.0	-46.58	AV	274.00	100	Vertical	N/A
3	2918.300	48.94	-11.79	74.0	25.06	Peak	187.00	200	Vertical	Pass
3**	2918.300	39.24	-11.79	54.0	14.76	AV	187.00	200	Vertical	Pass
4	4924.000	47.37	-4.86	74.0	26.63	Peak	357.00	150	Vertical	Pass
4**	4924.000	42.71	-4.86	54.0	11.29	AV	357.00	150	Vertical	Pass
5	7813.500	52.79	0.32	74.0	21.21	Peak	179.00	300	Vertical	Pass
5**	7813.500	44.34	0.32	54.0	9.66	AV	179.00	300	Vertical	Pass
6	17792.500	49.42	6.30	74.0	24.58	Peak	220.00	200	Vertical	Pass
6**	17792.500	42.21	6.30	54.0	11.79	AV	220.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	40.85	-19.81	74.0	33.15	Peak	270.00	100	Horizontal	Pass
1**	1330.500	32.72	-19.81	54.0	21.28	AV	270.00	100	Horizontal	Pass
2	2411.200	106.79	-14.69	74.0	-32.79	Peak	98.00	100	Horizontal	N/A
2**	2411.200	100.48	-14.69	54.0	-46.48	AV	98.00	100	Horizontal	N/A
3	2735.000	48.16	-11.84	74.0	25.84	Peak	240.00	100	Horizontal	Pass
3**	2735.000	39.07	-11.84	54.0	14.93	AV	240.00	100	Horizontal	Pass
4	4808.250	48.55	-4.93	74.0	25.45	Peak	36.00	300	Horizontal	Pass
4**	4808.250	38.41	-4.93	54.0	15.59	AV	36.00	300	Horizontal	Pass
5	7594.000	53.10	-0.53	74.0	20.90	Peak	282.00	100	Horizontal	Pass
5**	7594.000	43.94	-0.53	54.0	10.06	AV	282.00	100	Horizontal	Pass
6	17789.999	48.47	6.22	74.0	25.53	Peak	93.00	200	Horizontal	Pass
6**	17789.999	41.50	6.22	54.0	12.50	AV	93.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.200	41.24	-19.77	74.0	32.76	Peak	285.00	200	Vertical	Pass
1**	1328.200	30.46	-19.77	54.0	23.54	AV	285.00	200	Vertical	Pass
2	2417.700	105.96	-14.54	74.0	-31.96	Peak	21.00	100	Vertical	N/A
2**	2417.700	99.33	-14.54	54.0	-45.33	AV	21.00	100	Vertical	N/A
3	2968.100	49.17	-11.94	74.0	24.83	Peak	232.00	150	Vertical	Pass
3**	2968.100	40.34	-11.94	54.0	13.66	AV	232.00	150	Vertical	Pass
4	4940.750	48.50	-3.99	74.0	25.50	Peak	0.00	400	Vertical	Pass
4**	4940.750	39.12	-3.99	54.0	14.88	AV	0.00	400	Vertical	Pass
5	7893.750	52.77	-0.10	74.0	21.23	Peak	69.00	100	Vertical	Pass
5**	7893.750	44.39	-0.10	54.0	9.61	AV	69.00	100	Vertical	Pass
6	17795.000	48.93	6.37	74.0	25.07	Peak	173.00	400	Vertical	Pass
6**	17795.000	41.77	6.37	54.0	12.23	AV	173.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.200	39.99	-19.50	74.0	34.01	Peak	62.00	150	Horizontal	Pass
1**	1501.200	30.06	-19.50	54.0	23.94	AV	62.00	150	Horizontal	Pass
2	2435.900	107.70	-14.24	74.0	-33.70	Peak	97.00	200	Horizontal	N/A
2**	2435.900	99.75	-14.24	54.0	-45.75	AV	97.00	200	Horizontal	N/A
3	2914.400	49.43	-11.79	74.0	24.57	Peak	320.00	100	Horizontal	Pass
3**	2914.400	39.12	-11.79	54.0	14.88	AV	320.00	100	Horizontal	Pass
4	4824.750	48.06	-5.62	74.0	25.94	Peak	14.00	400	Horizontal	Pass
4**	4824.750	39.18	-5.62	54.0	14.82	AV	14.00	400	Horizontal	Pass
5	7854.500	52.88	-0.31	74.0	21.12	Peak	305.00	400	Horizontal	Pass
5**	7854.500	43.68	-0.31	54.0	10.32	AV	305.00	400	Horizontal	Pass
6	17787.501	48.35	6.15	74.0	25.65	Peak	136.00	100	Horizontal	Pass
6**	17787.501	41.21	6.15	54.0	12.79	AV	136.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.100	39.94	-20.26	74.0	34.06	Peak	301.00	100	Vertical	Pass
1**	1197.100	32.99	-20.26	54.0	21.01	AV	301.00	100	Vertical	Pass
2	2443.100	106.48	-13.53	74.0	-32.48	Peak	155.00	150	Vertical	N/A
2**	2443.100	99.71	-13.53	54.0	-45.71	AV	155.00	150	Vertical	N/A
3	2909.300	48.99	-11.92	74.0	25.01	Peak	80.00	200	Vertical	Pass
3**	2909.300	39.04	-11.92	54.0	14.96	AV	80.00	200	Vertical	Pass
4	4955.250	48.15	-3.61	74.0	25.85	Peak	356.00	400	Vertical	Pass
4**	4955.250	39.43	-3.61	54.0	14.57	AV	356.00	400	Vertical	Pass
5	7858.250	53.35	-0.10	74.0	20.65	Peak	286.00	300	Vertical	Pass
5**	7858.250	45.02	-0.10	54.0	8.98	AV	286.00	300	Vertical	Pass
6	17802.500	48.15	6.46	74.0	25.85	Peak	50.00	300	Vertical	Pass
6**	17802.500	40.88	6.46	54.0	13.12	AV	50.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.200	40.27	-19.78	74.0	33.73	Peak	197.00	300	Horizontal	Pass
1**	1547.200	30.04	-19.78	54.0	23.96	AV	197.00	300	Horizontal	Pass
2	2457.100	107.44	-13.47	74.0	-33.44	Peak	94.00	100	Horizontal	N/A
2**	2457.100	100.51	-13.47	54.0	-46.51	AV	94.00	100	Horizontal	N/A
3	2732.000	49.18	-11.61	74.0	24.82	Peak	264.00	150	Horizontal	Pass
3**	2732.000	39.36	-11.61	54.0	14.64	AV	264.00	150	Horizontal	Pass
4	4943.250	48.47	-3.86	74.0	25.53	Peak	331.00	100	Horizontal	Pass
4**	4943.250	39.09	-3.86	54.0	14.91	AV	331.00	100	Horizontal	Pass
5	7814.500	53.22	0.28	74.0	20.78	Peak	222.00	300	Horizontal	Pass
5**	7814.500	44.05	0.28	54.0	9.95	AV	222.00	300	Horizontal	Pass
6	17799.999	48.44	6.52	74.0	25.56	Peak	148.00	400	Horizontal	Pass
6**	17799.999	41.40	6.52	54.0	12.60	AV	148.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.700	40.84	-19.49	74.0	33.16	Peak	304.00	300	Vertical	Pass
1**	1495.700	30.40	-19.49	54.0	23.60	AV	304.00	300	Vertical	Pass
2	2463.100	106.29	-13.69	74.0	-32.29	Peak	341.00	100	Vertical	N/A
2**	2463.100	99.64	-13.69	54.0	-45.64	AV	341.00	100	Vertical	N/A
3	2944.800	48.96	-12.38	74.0	25.04	Peak	260.00	150	Vertical	Pass
3**	2944.800	38.81	-12.38	54.0	15.19	AV	260.00	150	Vertical	Pass
4	4937.250	48.51	-4.20	74.0	25.49	Peak	28.00	200	Vertical	Pass
4**	4937.250	38.81	-4.20	54.0	15.19	AV	28.00	200	Vertical	Pass
5	7861.250	53.57	0.09	74.0	20.43	Peak	0.00	300	Vertical	Pass
5**	7861.250	44.90	0.09	54.0	9.10	AV	0.00	300	Vertical	Pass
6	17787.501	49.98	6.15	74.0	24.02	Peak	194.00	100	Vertical	Pass
6**	17787.501	41.49	6.15	54.0	12.51	AV	194.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.500	40.44	-19.60	74.0	33.56	Peak	205.00	200	Horizontal	Pass
1**	1374.500	30.08	-19.60	54.0	23.92	AV	205.00	200	Horizontal	Pass
2	2409.100	107.04	-14.73	74.0	-33.04	Peak	90.00	200	Horizontal	N/A
2**	2409.100	99.41	-14.73	54.0	-45.41	AV	90.00	200	Horizontal	N/A
3	2719.300	48.69	-12.22	74.0	25.31	Peak	296.00	150	Horizontal	Pass
3**	2719.300	39.10	-12.22	54.0	14.90	AV	296.00	150	Horizontal	Pass
4	4996.250	48.77	-4.18	74.0	25.23	Peak	47.00	400	Horizontal	Pass
4**	4996.250	39.35	-4.18	54.0	14.65	AV	47.00	400	Horizontal	Pass
5	7496.500	53.47	-0.53	74.0	20.53	Peak	284.00	300	Horizontal	Pass
5**	7496.500	44.16	-0.53	54.0	9.84	AV	284.00	300	Horizontal	Pass
6	17805.001	48.39	6.39	74.0	25.61	Peak	177.00	300	Horizontal	Pass
6**	17805.001	42.12	6.39	54.0	11.88	AV	177.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1296.500	39.14	-19.66	74.0	34.86	Peak	279.00	150	Vertical	Pass
1**	1296.500	30.33	-19.66	54.0	23.67	AV	279.00	150	Vertical	Pass
2	2414.000	107.85	-14.59	74.0	-33.85	Peak	16.00	100	Vertical	N/A
2**	2414.000	102.34	-14.59	54.0	-48.34	AV	16.00	100	Vertical	N/A
3	2920.000	48.53	-11.85	74.0	25.47	Peak	181.00	100	Vertical	Pass
3**	2920.000	39.14	-11.85	54.0	14.86	AV	181.00	100	Vertical	Pass
4	4820.250	48.24	-5.46	74.0	25.76	Peak	311.00	100	Vertical	Pass
4**	4820.250	38.71	-5.46	54.0	15.29	AV	311.00	100	Vertical	Pass
5	7541.250	53.27	-0.23	74.0	20.73	Peak	0.00	100	Vertical	Pass
5**	7541.250	43.38	-0.23	54.0	10.62	AV	0.00	100	Vertical	Pass
6	17799.999	48.24	6.52	74.0	25.76	Peak	191.00	200	Vertical	Pass
6**	17799.999	41.19	6.52	54.0	12.81	AV	191.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.200	39.70	-19.73	74.0	34.30	Peak	42.00	100	Horizontal	Pass
1**	1454.200	30.75	-19.73	54.0	23.25	AV	42.00	100	Horizontal	Pass
2	2438.900	108.15	-13.95	74.0	-34.15	Peak	123.00	100	Horizontal	N/A
2**	2438.900	100.57	-13.95	54.0	-46.57	AV	123.00	100	Horizontal	N/A
3	2740.300	49.08	-12.34	74.0	24.92	Peak	263.00	100	Horizontal	Pass
3**	2740.300	38.72	-12.34	54.0	15.28	AV	263.00	100	Horizontal	Pass
4	4953.500	47.73	-3.61	74.0	26.27	Peak	155.00	200	Horizontal	Pass
4**	4953.500	39.33	-3.61	54.0	14.67	AV	155.00	200	Horizontal	Pass
5	7866.250	53.74	0.31	74.0	20.26	Peak	286.00	300	Horizontal	Pass
5**	7866.250	45.41	0.31	54.0	8.59	AV	286.00	300	Horizontal	Pass
6	17780.001	48.52	5.92	74.0	25.48	Peak	141.00	400	Horizontal	Pass
6**	17780.001	40.83	5.92	54.0	13.17	AV	141.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.700	39.81	-19.92	74.0	34.19	Peak	15.00	300	Vertical	Pass
1**	1558.700	29.95	-19.92	54.0	24.05	AV	15.00	300	Vertical	Pass
2	2441.200	106.32	-13.75	74.0	-32.32	Peak	27.00	150	Vertical	N/A
2**	2441.200	98.26	-13.75	54.0	-44.26	AV	27.00	150	Vertical	N/A
3	2891.300	49.23	-12.19	74.0	24.77	Peak	193.00	100	Vertical	Pass
3**	2891.300	39.34	-12.19	54.0	14.66	AV	193.00	100	Vertical	Pass
4	4836.750	48.26	-5.95	74.0	25.74	Peak	50.00	300	Vertical	Pass
4**	4836.750	40.00	-5.95	54.0	14.00	AV	50.00	300	Vertical	Pass
5	7900.750	53.51	0.26	74.0	20.49	Peak	32.00	200	Vertical	Pass
5**	7900.750	43.62	0.26	54.0	10.38	AV	32.00	200	Vertical	Pass
6	17785.000	49.89	6.07	74.0	24.11	Peak	319.00	300	Vertical	Pass
6**	17785.000	42.00	6.07	54.0	12.00	AV	319.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.000	40.11	-19.81	74.0	33.89	Peak	269.00	300	Horizontal	Pass
1**	1467.000	31.21	-19.81	54.0	22.79	AV	269.00	300	Horizontal	Pass
2	2454.600	107.15	-13.35	74.0	-33.15	Peak	110.00	200	Horizontal	N/A
2**	2454.600	98.93	-13.35	54.0	-44.93	AV	110.00	200	Horizontal	N/A
3	2923.400	48.42	-12.00	74.0	25.58	Peak	179.00	200	Horizontal	Pass
3**	2923.400	38.91	-12.00	54.0	15.09	AV	179.00	200	Horizontal	Pass
4	4993.250	48.33	-4.19	74.0	25.67	Peak	223.00	200	Horizontal	Pass
4**	4993.250	39.25	-4.19	54.0	14.75	AV	223.00	200	Horizontal	Pass
5	7862.500	54.18	0.18	74.0	19.82	Peak	223.00	300	Horizontal	Pass
5**	7862.500	44.68	0.18	54.0	9.32	AV	223.00	300	Horizontal	Pass
6	17792.500	48.93	6.30	74.0	25.07	Peak	67.00	100	Horizontal	Pass
6**	17792.500	40.59	6.30	54.0	13.41	AV	67.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	40.64	-19.81	74.0	33.36	Peak	304.00	200	Vertical	Pass
1**	1330.500	30.20	-19.81	54.0	23.80	AV	304.00	200	Vertical	Pass
2	2463.100	105.79	-13.69	74.0	-31.79	Peak	277.00	100	Vertical	N/A
2**	2463.100	97.93	-13.69	54.0	-43.93	AV	277.00	100	Vertical	N/A
3	2733.600	48.27	-11.71	74.0	25.73	Peak	350.00	200	Vertical	Pass
3**	2733.600	39.08	-11.71	54.0	14.92	AV	350.00	200	Vertical	Pass
4	4969.750	48.43	-3.99	74.0	25.57	Peak	55.00	200	Vertical	Pass
4**	4969.750	39.47	-3.99	54.0	14.53	AV	55.00	200	Vertical	Pass
5	7865.000	53.52	0.22	74.0	20.48	Peak	212.00	300	Vertical	Pass
5**	7865.000	44.84	0.22	54.0	9.16	AV	212.00	300	Vertical	Pass
6	17780.001	47.81	5.92	74.0	26.19	Peak	62.00	400	Vertical	Pass
6**	17780.001	40.90	5.92	54.0	13.10	AV	62.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1289.400	40.21	-19.72	74.0	33.79	Peak	37.00	100	Horizontal	Pass
1**	1289.400	29.99	-19.72	54.0	24.01	AV	37.00	100	Horizontal	Pass
2	2424.600	107.51	-14.41	74.0	-33.51	Peak	135.00	150	Horizontal	N/A
2**	2424.600	99.12	-14.41	54.0	-45.12	AV	135.00	150	Horizontal	N/A
3	2732.100	48.33	-11.61	74.0	25.67	Peak	296.00	150	Horizontal	Pass
3**	2732.100	39.30	-11.61	54.0	14.70	AV	296.00	150	Horizontal	Pass
4	4980.000	47.99	-4.17	74.0	26.01	Peak	242.00	400	Horizontal	Pass
4**	4980.000	38.74	-4.17	54.0	15.26	AV	242.00	400	Horizontal	Pass
5	7806.000	53.12	0.13	74.0	20.88	Peak	360.00	300	Horizontal	Pass
5**	7806.000	44.12	0.13	54.0	9.88	AV	360.00	300	Horizontal	Pass
6	17570.001	48.52	6.24	74.0	25.48	Peak	102.00	400	Horizontal	Pass
6**	17570.001	39.94	6.24	54.0	14.06	AV	102.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.200	40.69	-19.74	74.0	33.31	Peak	130.00	400	Vertical	Pass
1**	1332.200	29.95	-19.74	54.0	24.05	AV	130.00	400	Vertical	Pass
2	2413.500	103.21	-14.61	74.0	-29.21	Peak	23.00	100	Vertical	N/A
2**	2413.500	95.68	-14.61	54.0	-41.68	AV	23.00	100	Vertical	N/A
3	2860.900	48.48	-12.38	74.0	25.52	Peak	231.00	100	Vertical	Pass
3**	2860.900	39.20	-12.38	54.0	14.80	AV	231.00	100	Vertical	Pass
4	4814.500	48.72	-5.18	74.0	25.28	Peak	154.00	100	Vertical	Pass
4**	4814.500	40.52	-5.18	54.0	13.48	AV	154.00	100	Vertical	Pass
5	7859.000	53.39	-0.06	74.0	20.61	Peak	309.00	200	Vertical	Pass
5**	7859.000	45.14	-0.06	54.0	8.86	AV	309.00	200	Vertical	Pass
6	17787.501	49.30	6.15	74.0	24.70	Peak	0.00	400	Vertical	Pass
6**	17787.501	41.86	6.15	54.0	12.14	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.100	40.06	-19.93	74.0	33.94	Peak	344.00	400	Horizontal	Pass
1**	1596.100	30.25	-19.93	54.0	23.75	AV	344.00	400	Horizontal	Pass
2	2443.600	106.22	-13.47	74.0	-32.22	Peak	328.00	100	Horizontal	N/A
2**	2443.600	97.16	-13.47	54.0	-43.16	AV	328.00	100	Horizontal	N/A
3	2940.400	48.48	-12.31	74.0	25.52	Peak	242.00	150	Horizontal	Pass
3**	2940.400	38.53	-12.31	54.0	15.47	AV	242.00	150	Horizontal	Pass
4	4974.250	48.06	-4.09	74.0	25.94	Peak	360.00	100	Horizontal	Pass
4**	4974.250	38.65	-4.09	54.0	15.35	AV	360.00	100	Horizontal	Pass
5	7593.500	52.92	-0.56	74.0	21.08	Peak	36.00	200	Horizontal	Pass
5**	7593.500	43.82	-0.56	54.0	10.18	AV	36.00	200	Horizontal	Pass
6	17797.501	49.16	6.45	74.0	24.84	Peak	312.00	100	Horizontal	Pass
6**	17797.501	41.71	6.45	54.0	12.29	AV	312.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.700	40.23	-19.77	74.0	33.77	Peak	300.00	100	Vertical	Pass
1**	1327.700	30.09	-19.77	54.0	23.91	AV	300.00	100	Vertical	Pass
2	2440.700	107.47	-13.79	74.0	-33.47	Peak	28.00	150	Vertical	N/A
2**	2440.700	101.64	-13.79	54.0	-47.64	AV	28.00	150	Vertical	N/A
3	2758.600	48.94	-12.91	74.0	25.06	Peak	141.00	100	Vertical	Pass
3**	2758.600	38.77	-12.91	54.0	15.23	AV	141.00	100	Vertical	Pass
4	4989.000	49.01	-4.16	74.0	24.99	Peak	32.00	200	Vertical	Pass
4**	4989.000	40.74	-4.16	54.0	13.26	AV	32.00	200	Vertical	Pass
5	7877.500	53.30	0.51	74.0	20.70	Peak	147.00	200	Vertical	Pass
5**	7877.500	44.10	0.51	54.0	9.90	AV	147.00	200	Vertical	Pass
6	17579.999	47.92	6.11	74.0	26.08	Peak	47.00	200	Vertical	Pass
6**	17579.999	39.86	6.11	54.0	14.14	AV	47.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1260.300	40.06	-19.79	74.0	33.94	Peak	211.00	100	Horizontal	Pass
1**	1260.300	29.86	-19.79	54.0	24.14	AV	211.00	100	Horizontal	Pass
2	2455.600	106.08	-13.41	74.0	-32.08	Peak	267.00	200	Horizontal	N/A
2**	2455.600	97.92	-13.41	54.0	-43.92	AV	267.00	200	Horizontal	N/A
3	2918.000	48.74	-11.79	74.0	25.26	Peak	58.00	200	Horizontal	Pass
3**	2918.000	39.68	-11.79	54.0	14.32	AV	58.00	200	Horizontal	Pass
4	4759.500	47.89	-5.76	74.0	26.11	Peak	166.00	200	Horizontal	Pass
4**	4759.500	38.03	-5.76	54.0	15.97	AV	166.00	200	Horizontal	Pass
5	7866.500	54.53	0.32	74.0	19.47	Peak	286.00	100	Horizontal	Pass
5**	7866.500	44.67	0.32	54.0	9.33	AV	286.00	100	Horizontal	Pass
6	17799.999	48.56	6.52	74.0	25.44	Peak	235.00	400	Horizontal	Pass
6**	17799.999	41.47	6.52	54.0	12.53	AV	235.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.100	40.72	-19.79	74.0	33.28	Peak	115.00	400	Vertical	Pass
1**	1329.100	30.28	-19.79	54.0	23.72	AV	115.00	400	Vertical	Pass
2	2450.700	108.18	-13.19	74.0	-34.18	Peak	11.00	200	Vertical	N/A
2**	2450.700	100.69	-13.19	54.0	-46.69	AV	11.00	200	Vertical	N/A
3	2910.000	48.65	-11.92	74.0	25.35	Peak	220.00	100	Vertical	Pass
3**	2910.000	39.52	-11.92	54.0	14.48	AV	220.00	100	Vertical	Pass
4	4936.000	47.81	-4.28	74.0	26.19	Peak	104.00	100	Vertical	Pass
4**	4936.000	38.92	-4.28	54.0	15.08	AV	104.00	100	Vertical	Pass
5	7721.250	52.84	-1.44	74.0	21.16	Peak	262.00	200	Vertical	Pass
5**	7721.250	43.70	-1.44	54.0	10.30	AV	262.00	200	Vertical	Pass
6	17792.500	49.10	6.30	74.0	24.90	Peak	205.00	300	Vertical	Pass
6**	17792.500	41.59	6.30	54.0	12.41	AV	205.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1248.200	39.72	-19.94	74.0	34.28	Peak	273.00	400	Horizontal	Pass
1**	1248.200	29.94	-19.94	54.0	24.06	AV	273.00	400	Horizontal	Pass
2	2411.100	108.98	-14.69	74.0	-34.98	Peak	331.00	150	Horizontal	N/A
2**	2411.100	100.04	-14.69	54.0	-46.04	AV	331.00	150	Horizontal	N/A
3	2736.200	48.87	-11.91	74.0	25.13	Peak	337.00	150	Horizontal	Pass
3**	2736.200	38.66	-11.91	54.0	15.34	AV	337.00	150	Horizontal	Pass
4	4961.500	47.92	-3.91	74.0	26.08	Peak	12.00	300	Horizontal	Pass
4**	4961.500	38.84	-3.91	54.0	15.16	AV	12.00	300	Horizontal	Pass
5	7598.250	53.27	-0.38	74.0	20.73	Peak	355.00	300	Horizontal	Pass
5**	7598.250	43.35	-0.38	54.0	10.65	AV	355.00	300	Horizontal	Pass
6	17795.000	48.44	6.37	74.0	25.56	Peak	356.00	200	Horizontal	Pass
6**	17795.000	40.82	6.37	54.0	13.18	AV	356.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	40.99	-19.74	74.0	33.01	Peak	302.00	200	Vertical	Pass
1**	1332.100	32.91	-19.74	54.0	21.09	AV	302.00	200	Vertical	Pass
2	2411.400	107.26	-14.68	74.0	-33.26	Peak	18.00	200	Vertical	N/A
2**	2411.400	98.04	-14.68	54.0	-44.04	AV	18.00	200	Vertical	N/A
3	2734.000	48.70	-11.75	74.0	25.30	Peak	204.00	150	Vertical	Pass
3**	2734.000	39.11	-11.75	54.0	14.89	AV	204.00	150	Vertical	Pass
4	4818.750	47.79	-5.41	74.0	26.21	Peak	265.00	400	Vertical	Pass
4**	4818.750	39.38	-5.41	54.0	14.62	AV	265.00	400	Vertical	Pass
5	7804.500	53.26	0.05	74.0	20.74	Peak	5.00	100	Vertical	Pass
5**	7804.500	44.49	0.05	54.0	9.51	AV	5.00	100	Vertical	Pass
6	17797.501	48.78	6.45	74.0	25.22	Peak	232.00	400	Vertical	Pass
6**	17797.501	41.64	6.45	54.0	12.36	AV	232.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1362.100	39.71	-19.55	74.0	34.29	Peak	328.00	100	Horizontal	Pass
1**	1362.100	29.80	-19.55	54.0	24.20	AV	328.00	100	Horizontal	Pass
2	2434.800	108.75	-14.32	74.0	-34.75	Peak	90.00	100	Horizontal	N/A
2**	2434.800	100.27	-14.32	54.0	-46.27	AV	90.00	100	Horizontal	N/A
3	2942.600	48.45	-12.35	74.0	25.55	Peak	121.00	200	Horizontal	Pass
3**	2942.600	38.16	-12.35	54.0	15.84	AV	121.00	200	Horizontal	Pass
4	4799.000	48.81	-4.75	74.0	25.19	Peak	339.00	400	Horizontal	Pass
4**	4799.000	39.02	-4.75	54.0	14.98	AV	339.00	400	Horizontal	Pass
5	7867.750	53.98	0.35	74.0	20.02	Peak	194.00	200	Horizontal	Pass
5**	7867.750	45.39	0.35	54.0	8.61	AV	194.00	200	Horizontal	Pass
6	17782.499	49.06	6.00	74.0	24.94	Peak	0.00	200	Horizontal	Pass
6**	17782.499	40.55	6.00	54.0	13.45	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.800	41.60	-19.81	74.0	32.40	Peak	330.00	300	Vertical	Pass
1**	1329.800	30.22	-19.81	54.0	23.78	AV	330.00	300	Vertical	Pass
2	2439.000	108.22	-13.95	74.0	-34.22	Peak	161.00	200	Vertical	N/A
2**	2439.000	99.04	-13.95	54.0	-45.04	AV	161.00	200	Vertical	N/A
3	2924.600	49.49	-12.07	74.0	24.51	Peak	320.00	200	Vertical	Pass
3**	2924.600	38.71	-12.07	54.0	15.29	AV	320.00	200	Vertical	Pass
4	4736.750	47.90	-5.60	74.0	26.10	Peak	154.00	100	Vertical	Pass
4**	4736.750	38.70	-5.60	54.0	15.30	AV	154.00	100	Vertical	Pass
5	7868.500	53.09	0.36	74.0	20.91	Peak	76.00	300	Vertical	Pass
5**	7868.500	45.35	0.36	54.0	8.65	AV	76.00	300	Vertical	Pass
6	17824.999	48.69	5.85	74.0	25.31	Peak	346.00	200	Vertical	Pass
6**	17824.999	40.81	5.85	54.0	13.19	AV	346.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.400	39.86	-19.66	74.0	34.14	Peak	263.00	100	Horizontal	Pass
1**	1515.400	30.49	-19.66	54.0	23.51	AV	263.00	100	Horizontal	Pass
2	2463.900	108.66	-13.67	74.0	-34.66	Peak	115.00	150	Horizontal	N/A
2**	2463.900	100.07	-13.67	54.0	-46.07	AV	115.00	150	Horizontal	N/A
3	2913.600	48.36	-11.83	74.0	25.64	Peak	268.00	150	Horizontal	Pass
3**	2913.600	39.31	-11.83	54.0	14.69	AV	268.00	150	Horizontal	Pass
4	4833.500	48.17	-5.86	74.0	25.83	Peak	312.00	400	Horizontal	Pass
4**	4833.500	39.13	-5.86	54.0	14.87	AV	312.00	400	Horizontal	Pass
5	7818.000	53.82	0.30	74.0	20.18	Peak	155.00	400	Horizontal	Pass
5**	7818.000	44.45	0.30	54.0	9.55	AV	155.00	400	Horizontal	Pass
6	17802.500	48.86	6.46	74.0	25.14	Peak	34.00	400	Horizontal	Pass
6**	17802.500	41.15	6.46	54.0	12.85	AV	34.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.400	41.48	-19.77	74.0	32.52	Peak	330.00	200	Vertical	Pass
1**	1327.400	34.92	-19.77	54.0	19.08	AV	330.00	200	Vertical	Pass
2	2455.100	107.22	-13.38	74.0	-33.22	Peak	159.00	100	Vertical	N/A
2**	2455.100	98.47	-13.38	54.0	-44.47	AV	159.00	100	Vertical	N/A
3	2926.900	48.43	-12.18	74.0	25.57	Peak	67.00	150	Vertical	Pass
3**	2926.900	38.39	-12.18	54.0	15.61	AV	67.00	150	Vertical	Pass
4	4973.500	48.60	-4.07	74.0	25.40	Peak	195.00	300	Vertical	Pass
4**	4973.500	39.03	-4.07	54.0	14.97	AV	195.00	300	Vertical	Pass
5	7814.500	53.81	0.28	74.0	20.19	Peak	301.00	300	Vertical	Pass
5**	7814.500	43.67	0.28	54.0	10.33	AV	301.00	300	Vertical	Pass
6	17770.000	48.60	5.62	74.0	25.40	Peak	44.00	100	Vertical	Pass
6**	17770.000	41.03	5.62	54.0	12.97	AV	44.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.900	40.29	-19.97	74.0	33.71	Peak	205.00	300	Horizontal	Pass
1**	1596.900	31.85	-19.97	54.0	22.15	AV	205.00	300	Horizontal	Pass
2	2423.500	107.55	-14.50	74.0	-33.55	Peak	141.00	150	Horizontal	N/A
2**	2423.500	98.97	-14.50	54.0	-44.97	AV	141.00	150	Horizontal	N/A
3	2811.300	48.33	-13.02	74.0	25.67	Peak	3.00	200	Horizontal	Pass
3**	2811.300	38.25	-13.02	54.0	15.75	AV	3.00	200	Horizontal	Pass
4	4929.250	48.07	-4.63	74.0	25.93	Peak	115.00	400	Horizontal	Pass
4**	4929.250	38.43	-4.63	54.0	15.57	AV	115.00	400	Horizontal	Pass
5	7787.750	53.44	-0.66	74.0	20.56	Peak	333.00	300	Horizontal	Pass
5**	7787.750	43.59	-0.66	54.0	10.41	AV	333.00	300	Horizontal	Pass
6	17799.999	49.28	6.52	74.0	24.72	Peak	67.00	200	Horizontal	Pass
6**	17799.999	41.33	6.52	54.0	12.67	AV	67.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.400	39.90	-19.95	74.0	34.10	Peak	196.00	300	Vertical	Pass
1**	1596.400	30.88	-19.95	54.0	23.12	AV	196.00	300	Vertical	Pass
2	2420.900	106.63	-14.52	74.0	-32.63	Peak	137.00	200	Vertical	N/A
2**	2420.900	99.52	-14.52	54.0	-45.52	AV	137.00	200	Vertical	N/A
3	2692.500	48.89	-12.24	74.0	25.11	Peak	79.00	150	Vertical	Pass
3**	2692.500	39.36	-12.24	54.0	14.64	AV	79.00	150	Vertical	Pass
4	4989.250	49.06	-4.15	74.0	24.94	Peak	360.00	100	Vertical	Pass
4**	4989.250	40.15	-4.15	54.0	13.85	AV	360.00	100	Vertical	Pass
5	7802.500	53.15	-0.14	74.0	20.85	Peak	208.00	100	Vertical	Pass
5**	7802.500	44.15	-0.14	54.0	9.85	AV	208.00	100	Vertical	Pass
6	17782.499	48.55	6.00	74.0	25.45	Peak	203.00	400	Vertical	Pass
6**	17782.499	41.31	6.00	54.0	12.69	AV	203.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.300	39.72	-19.58	74.0	34.28	Peak	10.00	300	Horizontal	Pass
1**	1487.300	29.81	-19.58	54.0	24.19	AV	10.00	300	Horizontal	Pass
2	2435.700	106.17	-14.26	74.0	-32.17	Peak	62.00	100	Horizontal	N/A
2**	2435.700	100.08	-14.26	54.0	-46.08	AV	62.00	100	Horizontal	N/A
3	2918.800	49.02	-11.81	74.0	24.98	Peak	237.00	100	Horizontal	Pass
3**	2918.800	39.01	-11.81	54.0	14.99	AV	237.00	100	Horizontal	Pass
4	4960.750	48.09	-3.87	74.0	25.91	Peak	179.00	300	Horizontal	Pass
4**	4960.750	39.19	-3.87	54.0	14.81	AV	179.00	300	Horizontal	Pass
5	7869.750	53.13	0.39	74.0	20.87	Peak	240.00	200	Horizontal	Pass
5**	7869.750	43.89	0.39	54.0	10.11	AV	240.00	200	Horizontal	Pass
6	17797.501	48.43	6.45	74.0	25.57	Peak	244.00	300	Horizontal	Pass
6**	17797.501	42.03	6.45	54.0	11.97	AV	244.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1375.400	40.60	-19.62	74.0	33.40	Peak	296.00	300	Vertical	Pass
1**	1375.400	29.95	-19.62	54.0	24.05	AV	296.00	300	Vertical	Pass
2	2438.900	104.40	-13.95	74.0	-30.40	Peak	157.00	200	Vertical	N/A
2**	2438.900	94.86	-13.95	54.0	-40.86	AV	157.00	200	Vertical	N/A
3	2984.700	48.89	-12.36	74.0	25.11	Peak	85.00	150	Vertical	Pass
3**	2984.700	39.15	-12.36	54.0	14.85	AV	85.00	150	Vertical	Pass
4	4909.250	47.94	-5.78	74.0	26.06	Peak	360.00	300	Vertical	Pass
4**	4909.250	37.85	-5.78	54.0	16.15	AV	360.00	300	Vertical	Pass
5	7862.250	53.09	0.16	74.0	20.91	Peak	263.00	400	Vertical	Pass
5**	7862.250	44.49	0.16	54.0	9.51	AV	263.00	400	Vertical	Pass
6	17799.999	49.81	6.52	74.0	24.19	Peak	243.00	300	Vertical	Pass
6**	17799.999	41.17	6.52	54.0	12.83	AV	243.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.800	40.26	-19.96	74.0	33.74	Peak	325.00	100	Horizontal	Pass
1**	1567.800	31.13	-19.96	54.0	22.87	AV	325.00	100	Horizontal	Pass
2	2450.700	106.12	-13.19	74.0	-32.12	Peak	93.00	200	Horizontal	N/A
2**	2450.700	97.95	-13.19	54.0	-43.95	AV	93.00	200	Horizontal	N/A
3	2725.000	48.76	-11.69	74.0	25.24	Peak	0.00	150	Horizontal	Pass
3**	2725.000	39.40	-11.69	54.0	14.60	AV	0.00	150	Horizontal	Pass
4	4976.250	48.75	-4.09	74.0	25.25	Peak	144.00	400	Horizontal	Pass
4**	4976.250	38.51	-4.09	54.0	15.49	AV	144.00	400	Horizontal	Pass
5	7868.250	53.33	0.36	74.0	20.67	Peak	187.00	300	Horizontal	Pass
5**	7868.250	44.50	0.36	54.0	9.50	AV	187.00	300	Horizontal	Pass
6	17789.999	48.88	6.22	74.0	25.12	Peak	321.00	400	Horizontal	Pass
6**	17789.999	41.17	6.22	54.0	12.83	AV	321.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.300	39.80	-19.82	74.0	34.20	Peak	335.00	300	Vertical	Pass
1**	1330.300	30.63	-19.82	54.0	23.37	AV	335.00	300	Vertical	Pass
2	2453.000	109.33	-13.31	74.0	-35.33	Peak	55.00	150	Vertical	N/A
2**	2453.000	101.23	-13.31	54.0	-47.23	AV	55.00	150	Vertical	N/A
3	2937.700	48.76	-12.32	74.0	25.24	Peak	360.00	150	Vertical	Pass
3**	2937.700	38.50	-12.32	54.0	15.50	AV	360.00	150	Vertical	Pass
4	4970.750	47.81	-4.00	74.0	26.19	Peak	255.00	100	Vertical	Pass
4**	4970.750	39.55	-4.00	54.0	14.45	AV	255.00	100	Vertical	Pass
5	7869.250	53.57	0.38	74.0	20.43	Peak	225.00	400	Vertical	Pass
5**	7869.250	43.60	0.38	54.0	10.40	AV	225.00	400	Vertical	Pass
6	17802.500	49.09	6.46	74.0	24.91	Peak	179.00	100	Vertical	Pass
6**	17802.500	41.50	6.46	54.0	12.50	AV	179.00	100	Vertical	Pass

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

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

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

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

Note [4]: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note [5]: All antenna were pre tested, but only the worst case has been reported in this report.

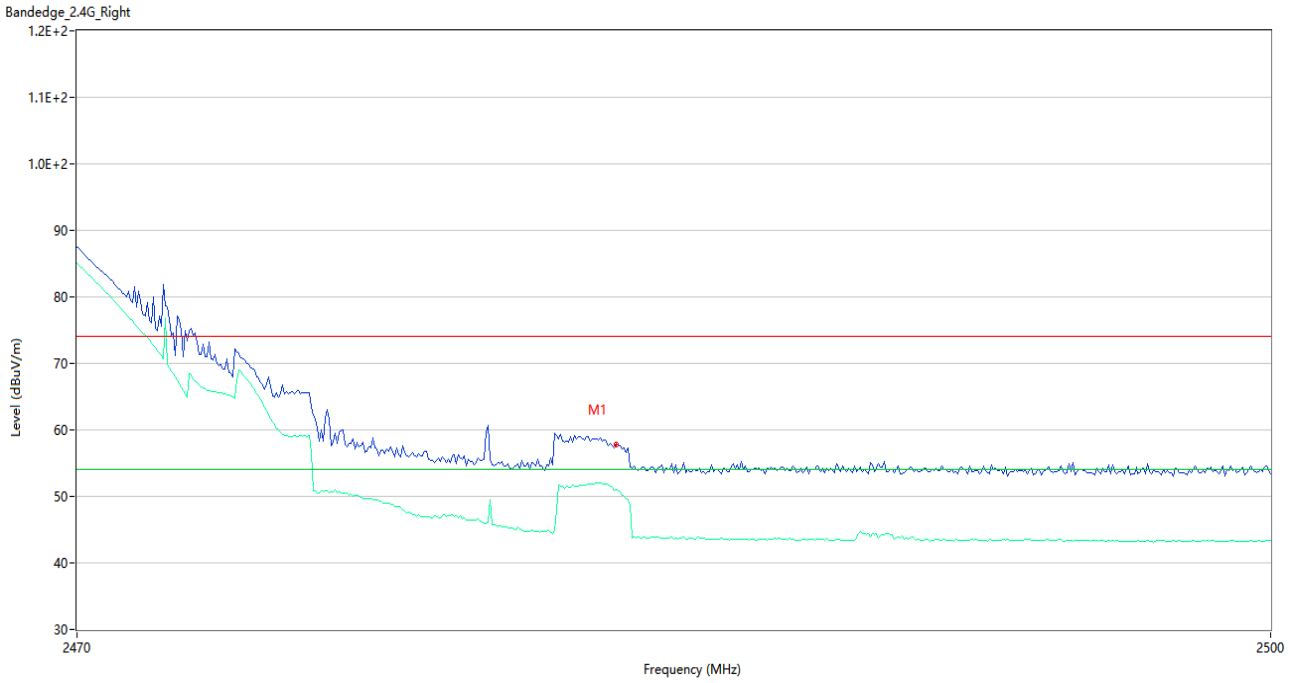
Test Data and Plots

MIMO

802.11b LOW CHANNEL

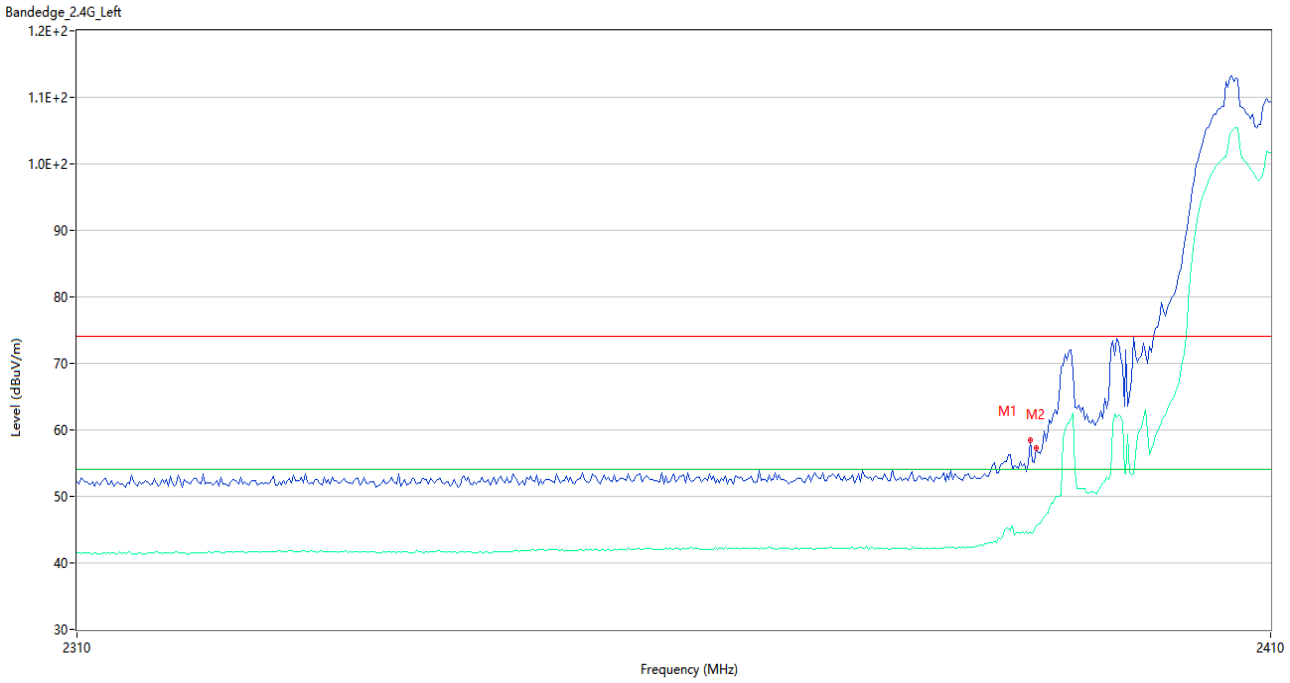
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	55.52	-2.35	74.0	18.48	Peak	67.00	100	Horizontal	Pass
1**	2390.000	47.74	-2.35	54.0	6.26	AV	67.00	100	Horizontal	Pass

802.11b HIGH CHANNEL



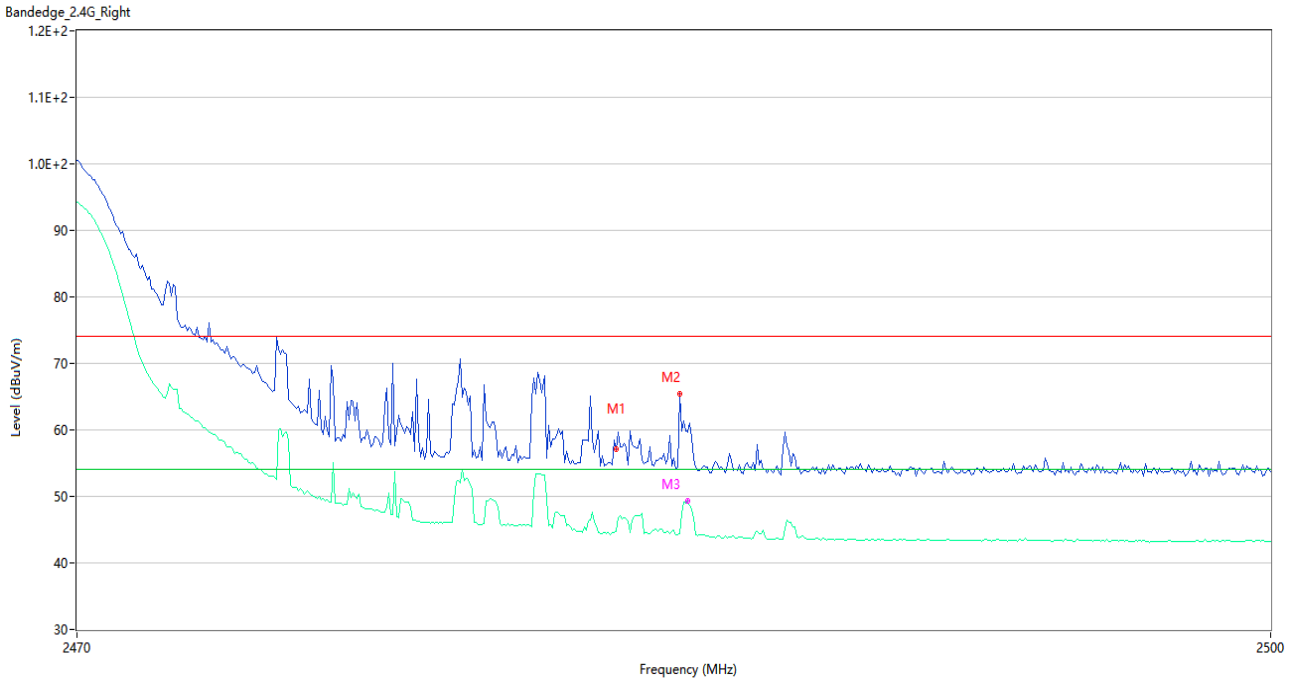
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.81	-0.86	74.0	16.19	Peak	288.00	100	Horizontal	Pass
1**	2483.500	50.96	-0.86	54.0	3.04	AV	288.00	100	Horizontal	Pass

802.11g LOW CHANNEL



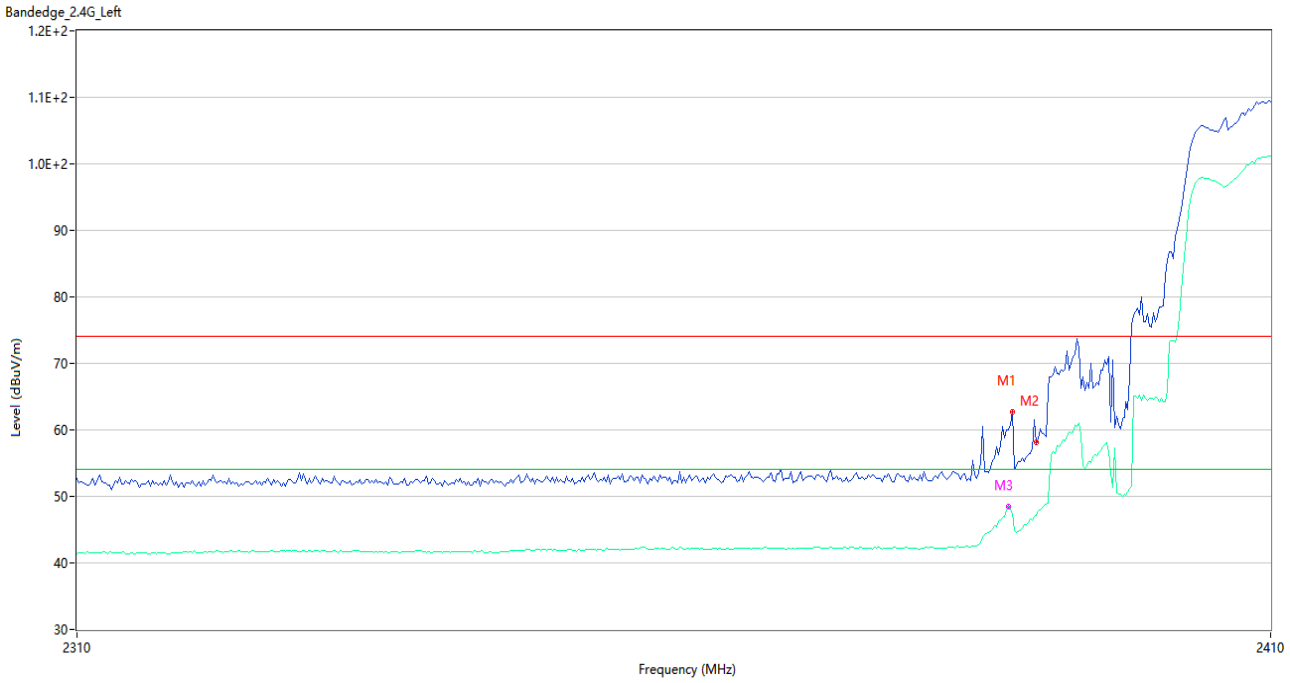
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	58.48	-2.33	74.0	15.52	Peak	103.00	150	Horizontal	Pass
1**	2389.500	44.52	-2.33	54.0	9.48	AV	103.00	150	Horizontal	Pass
2	2390.000	57.33	-2.35	74.0	16.67	Peak	86.00	200	Horizontal	Pass
2**	2390.000	45.65	-2.35	54.0	8.35	AV	86.00	200	Horizontal	Pass

802.11g HIGH CHANNEL



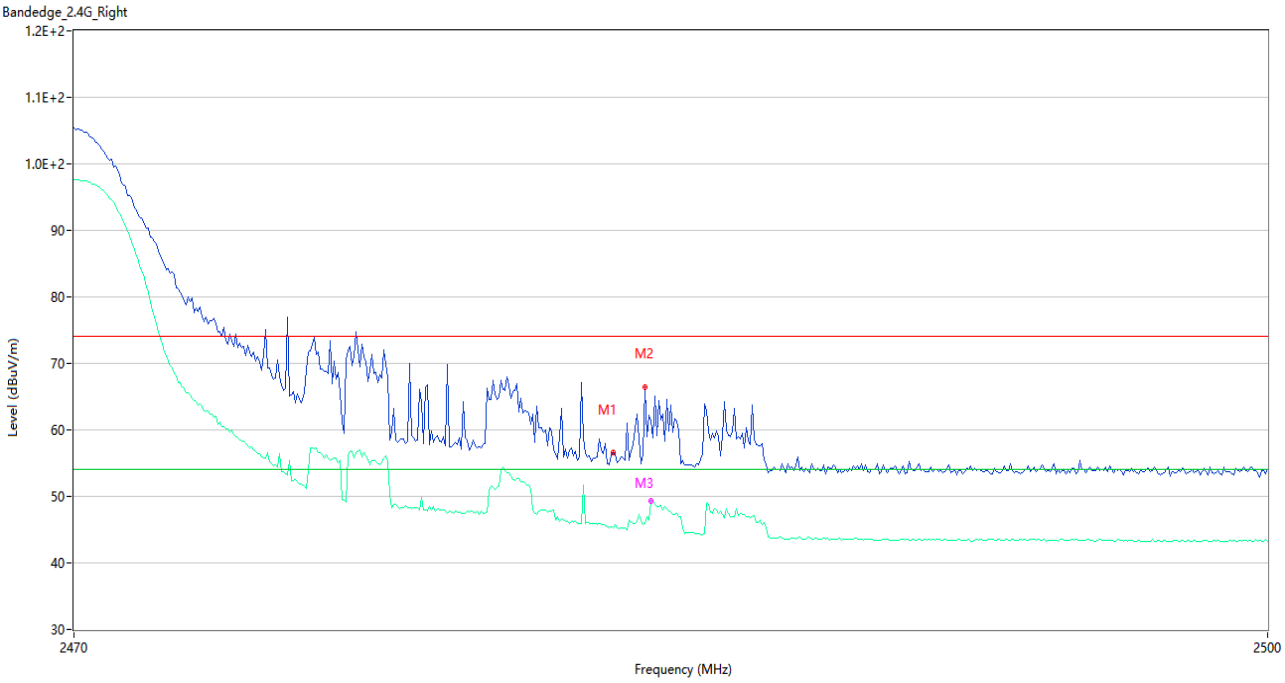
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.15	-0.86	74.0	16.85	Peak	29.00	100	Horizontal	Pass
1**	2483.500	44.72	-0.86	54.0	9.28	AV	29.00	100	Horizontal	Pass
2	2485.100	65.51	-0.84	74.0	8.49	Peak	308.00	150	Horizontal	Pass
2**	2485.100	44.47	-0.84	54.0	9.53	AV	308.00	150	Horizontal	Pass
3	2485.300	59.64	-0.84	74.0	14.36	Peak	308.00	150	Horizontal	Pass
3**	2485.300	49.37	-0.84	54.0	4.63	AV	308.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



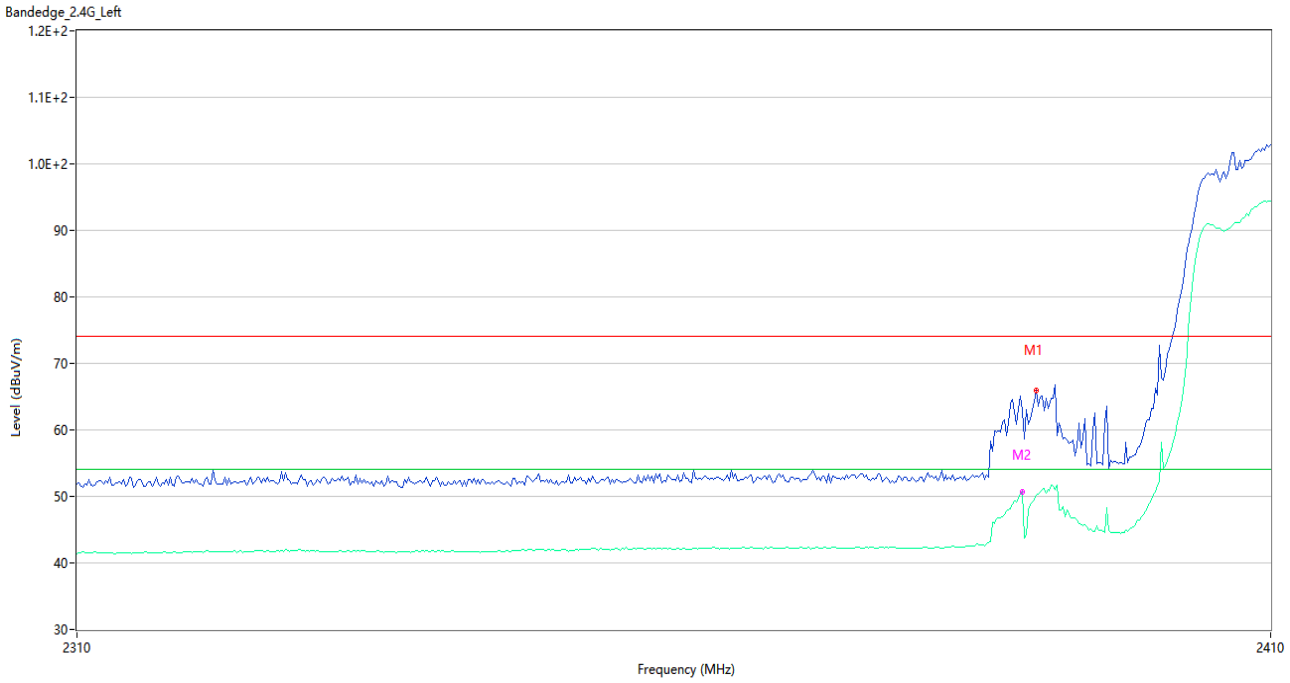
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.000	62.71	-2.28	74.0	11.29	Peak	360.00	200	Horizontal	Pass
1**	2388.000	47.40	-2.28	54.0	6.60	AV	360.00	200	Horizontal	Pass
2	2390.000	58.19	-2.35	74.0	15.81	Peak	90.00	150	Horizontal	Pass
2**	2390.000	47.18	-2.35	54.0	6.82	AV	90.00	150	Horizontal	Pass
3	2387.667	59.94	-2.26	74.0	14.06	Peak	357.00	150	Horizontal	Pass
3**	2387.667	48.55	-2.26	54.0	5.45	AV	357.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



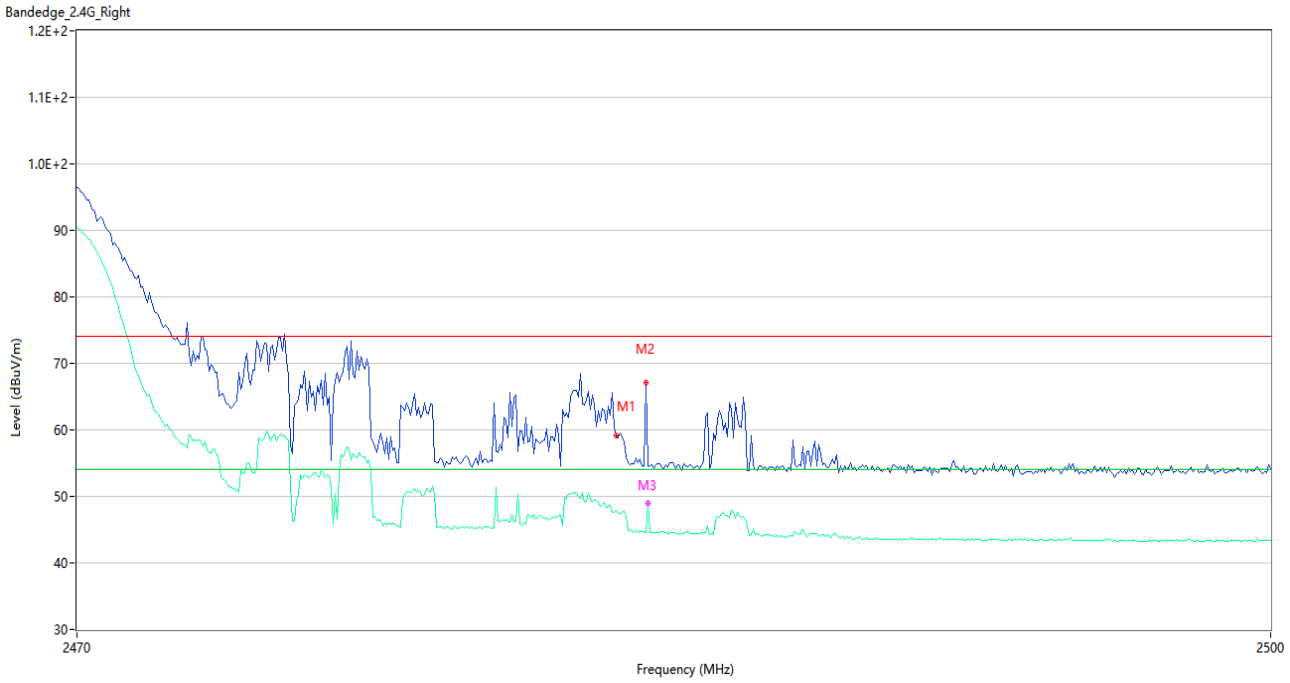
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.61	-0.86	74.0	17.39	Peak	112.00	100	Horizontal	Pass
1**	2483.500	45.33	-0.86	54.0	8.67	AV	112.00	100	Horizontal	Pass
2	2484.300	66.52	-0.84	74.0	7.48	Peak	0.00	150	Horizontal	Pass
2**	2484.300	45.87	-0.84	54.0	8.13	AV	0.00	150	Horizontal	Pass
3	2484.450	61.52	-0.84	74.0	12.48	Peak	104.00	150	Horizontal	Pass
3**	2484.450	49.26	-0.84	54.0	4.74	AV	104.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



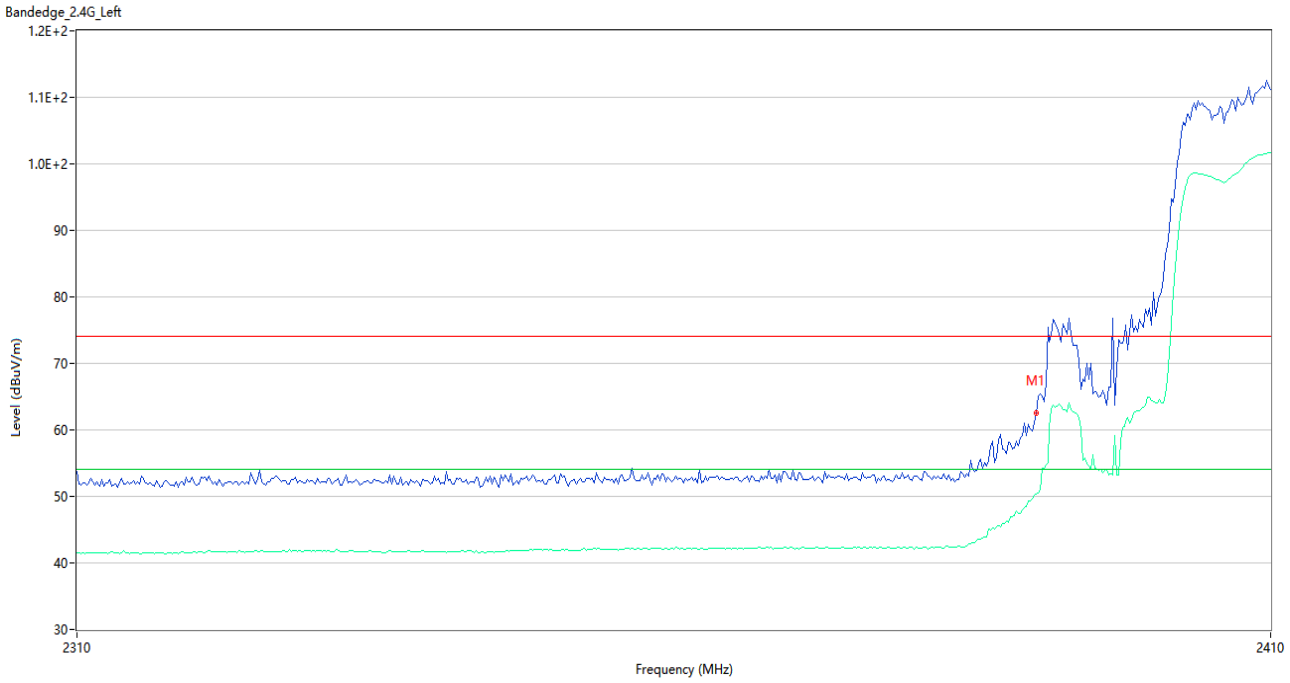
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	65.97	-2.35	74.0	8.03	Peak	3.00	150	Horizontal	Pass
1**	2390.000	50.21	-2.35	54.0	3.79	AV	3.00	150	Horizontal	Pass
2	2388.833	62.89	-2.31	74.0	11.11	Peak	151.00	150	Horizontal	Pass
2**	2388.833	50.73	-2.31	54.0	3.27	AV	151.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



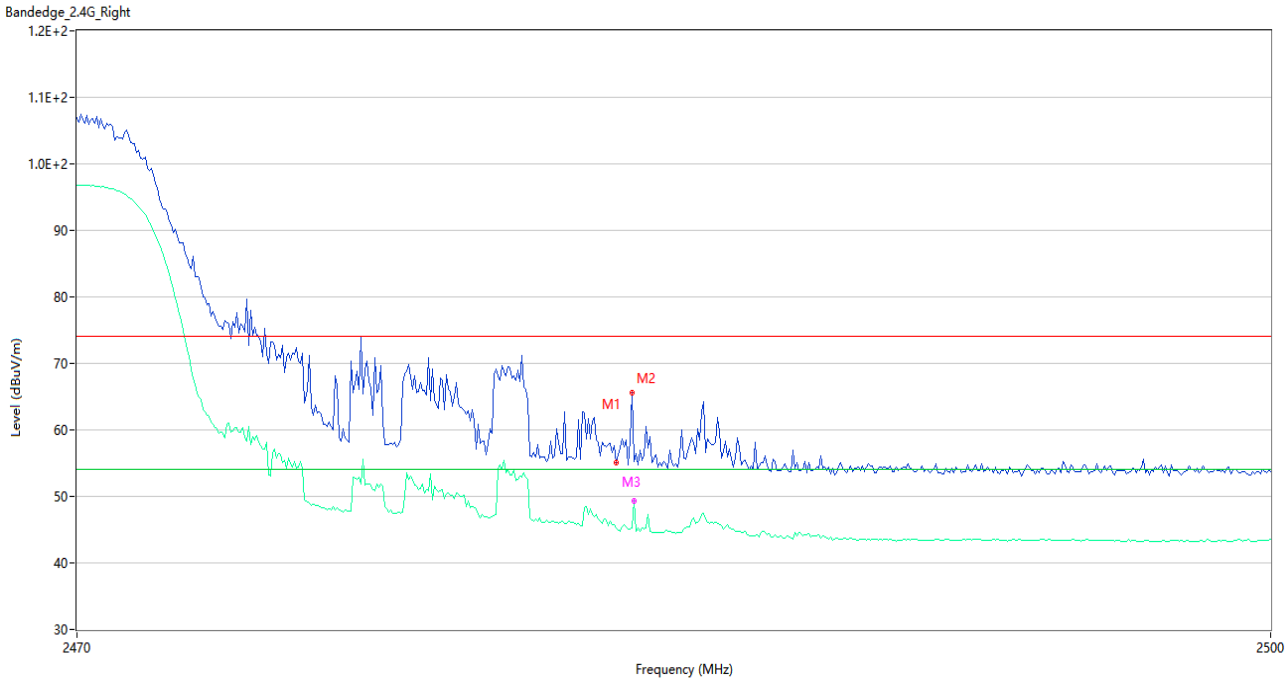
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	59.11	-0.86	74.0	14.89	Peak	188.00	100	Horizontal	Pass
1**	2483.500	47.88	-0.86	54.0	6.12	AV	188.00	100	Horizontal	Pass
2	2484.250	67.12	-0.84	74.0	6.88	Peak	335.00	200	Horizontal	Pass
2**	2484.250	44.57	-0.84	54.0	9.43	AV	335.00	200	Horizontal	Pass
3	2484.300	54.56	-0.84	74.0	19.44	Peak	78.00	150	Horizontal	Pass
3**	2484.300	49.03	-0.84	54.0	4.97	AV	78.00	150	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL



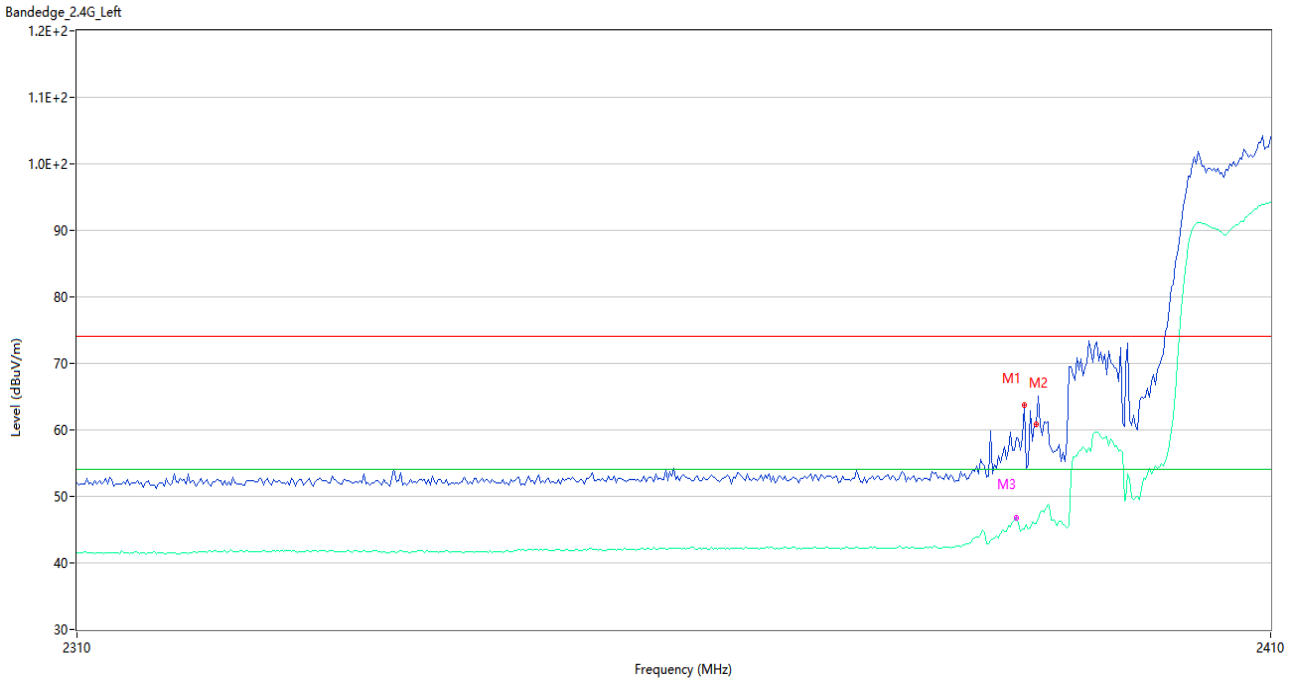
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.53	-2.35	74.0	11.47	Peak	94.00	100	Horizontal	Pass
1**	2390.000	50.36	-2.35	54.0	3.64	AV	94.00	100	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL



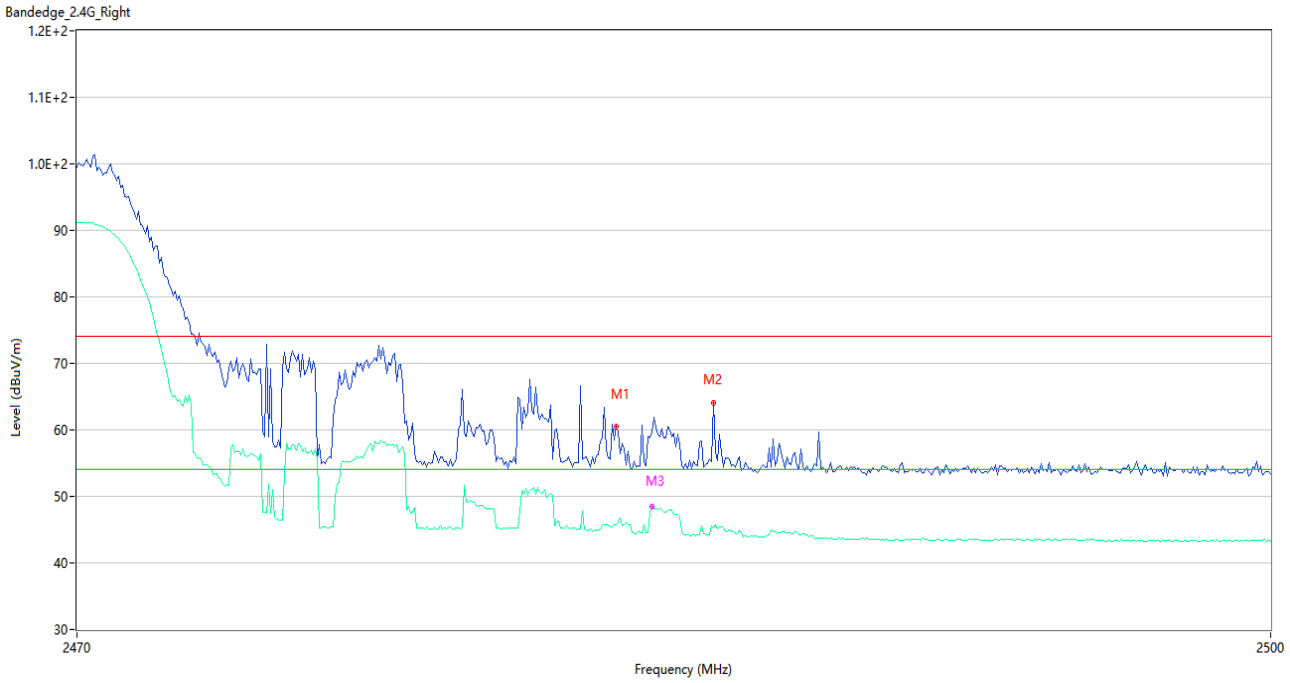
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.11	-0.86	74.0	18.89	Peak	357.00	150	Horizontal	Pass
1**	2483.500	45.21	-0.86	54.0	8.79	AV	357.00	150	Horizontal	Pass
2	2483.900	65.56	-0.85	74.0	8.44	Peak	108.00	100	Horizontal	Pass
2**	2483.900	45.19	-0.85	54.0	8.81	AV	108.00	100	Horizontal	Pass
3	2483.950	55.19	-0.84	74.0	18.81	Peak	303.00	150	Horizontal	Pass
3**	2483.950	49.39	-0.84	54.0	4.61	AV	303.00	150	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL



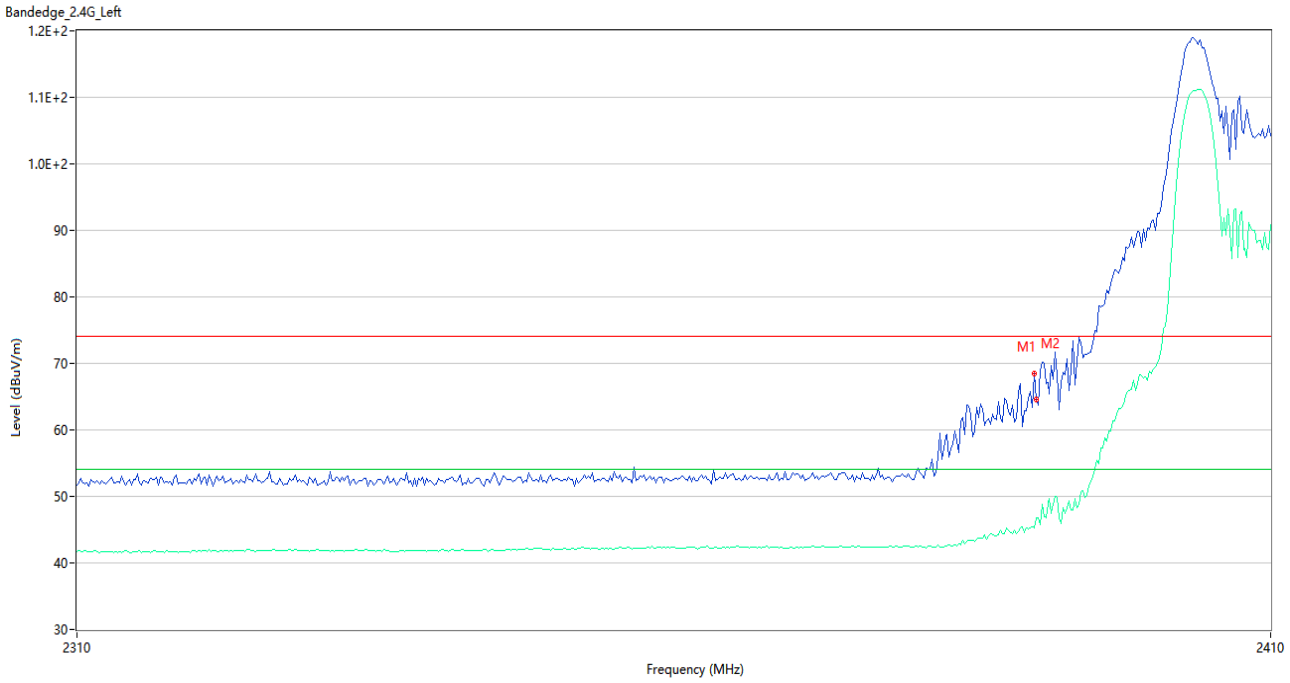
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.000	63.69	-2.31	74.0	10.31	Peak	340.00	100	Horizontal	Pass
1**	2389.000	45.04	-2.31	54.0	8.96	AV	340.00	100	Horizontal	Pass
2	2390.000	60.93	-2.35	74.0	13.07	Peak	340.00	200	Horizontal	Pass
2**	2390.000	45.99	-2.35	54.0	8.01	AV	340.00	200	Horizontal	Pass
3	2388.333	58.83	-2.29	74.0	15.17	Peak	340.00	150	Horizontal	Pass
3**	2388.333	46.70	-2.29	54.0	7.30	AV	340.00	150	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL



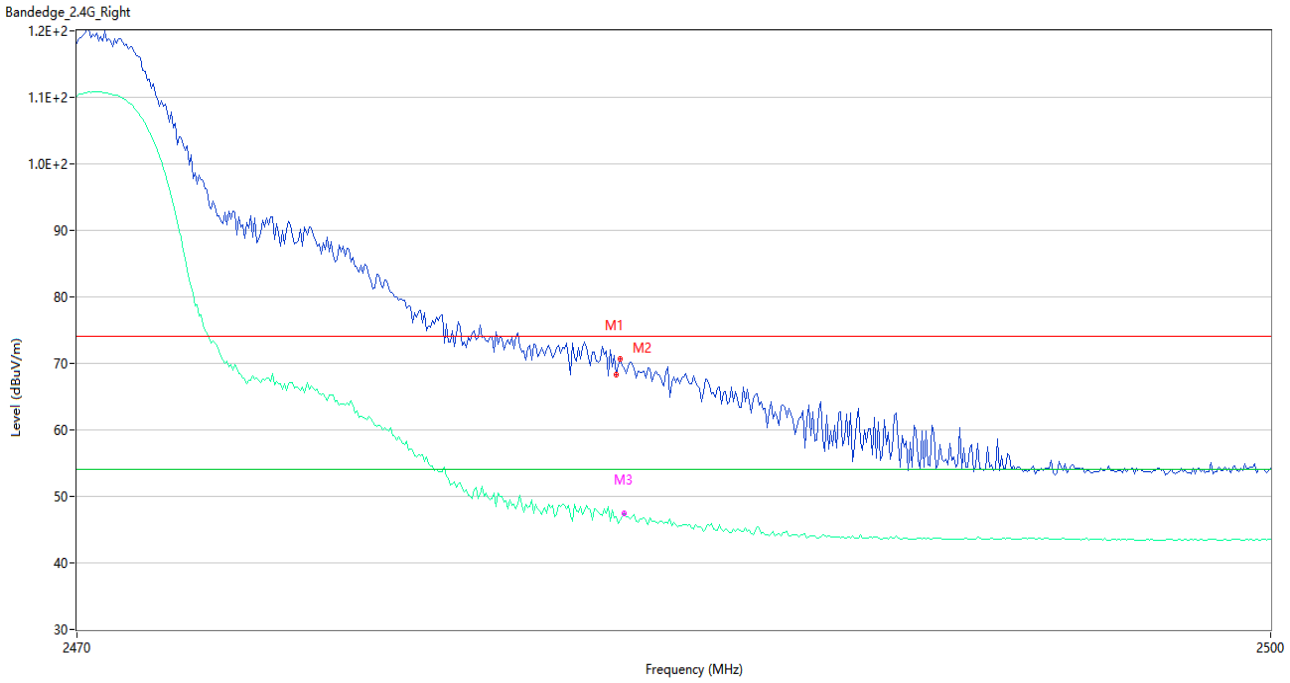
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	60.49	-0.86	74.0	13.51	Peak	317.00	150	Horizontal	Pass
1**	2483.500	45.70	-0.86	54.0	8.30	AV	317.00	150	Horizontal	Pass
2	2485.950	64.12	-0.83	74.0	9.88	Peak	24.00	150	Horizontal	Pass
2**	2485.950	45.25	-0.83	54.0	8.75	AV	24.00	150	Horizontal	Pass
3	2484.400	59.59	-0.84	74.0	14.41	Peak	148.00	150	Horizontal	Pass
3**	2484.400	48.42	-0.84	54.0	5.58	AV	148.00	150	Horizontal	Pass

802.11ax20(RU26) LOW CHANNEL



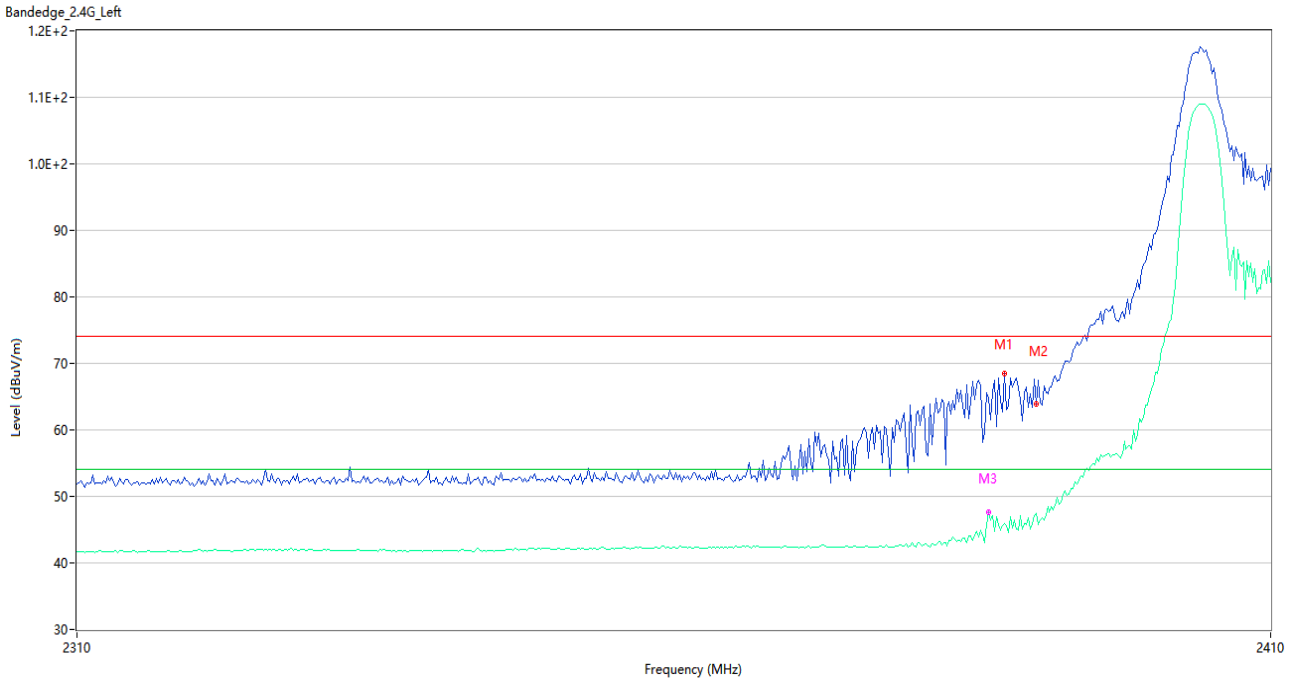
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.833	68.54	-2.34	74.0	5.46	Peak	104.00	100	Horizontal	Pass
1**	2389.833	45.27	-2.34	54.0	8.73	AV	104.00	100	Horizontal	Pass
2	2390.000	64.55	-2.35	74.0	9.45	Peak	82.00	100	Horizontal	Pass
2**	2390.000	46.81	-2.35	54.0	7.19	AV	82.00	100	Horizontal	Pass

802.11ax20(RU26) HIGH CHANNEL



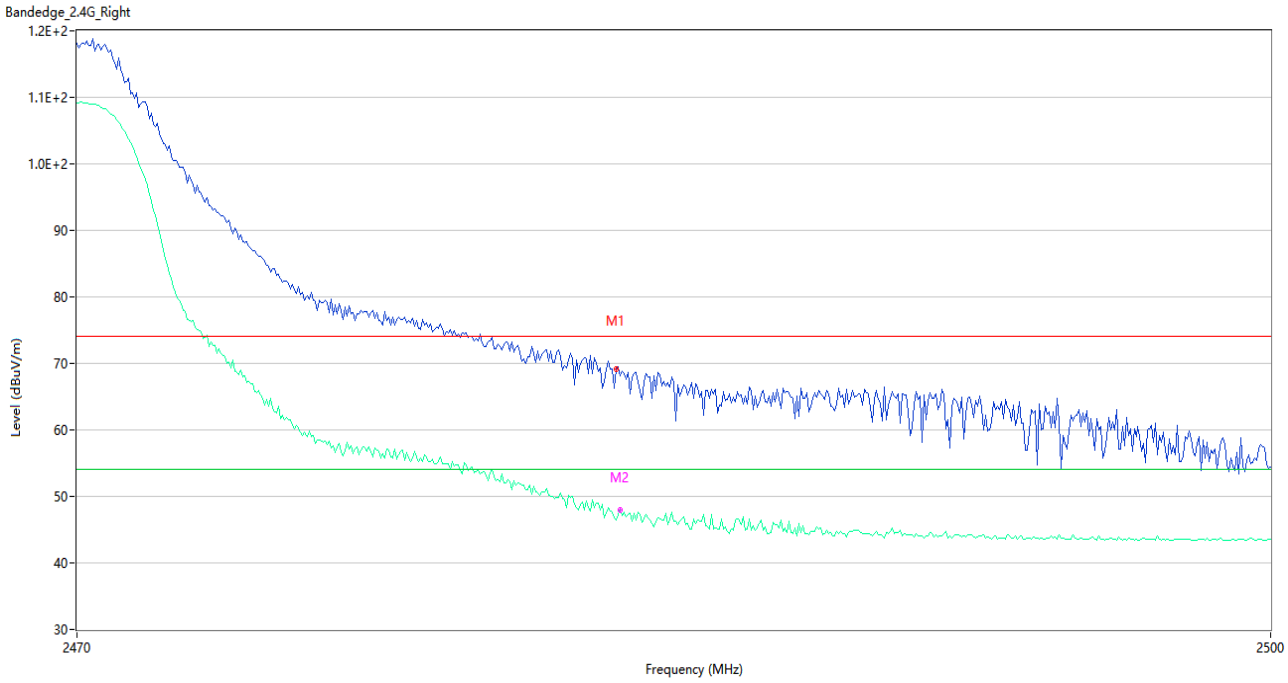
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.30	-0.86	74.0	5.70	Peak	150.00	100	Horizontal	Pass
1**	2483.500	46.87	-0.86	54.0	7.13	AV	150.00	100	Horizontal	Pass
2	2483.600	70.67	-0.86	74.0	3.33	Peak	115.00	100	Horizontal	Pass
2**	2483.600	46.49	-0.86	54.0	7.51	AV	115.00	100	Horizontal	Pass
3	2483.700	69.38	-0.85	74.0	4.62	Peak	107.00	200	Horizontal	Pass
3**	2483.700	47.53	-0.85	54.0	6.47	AV	107.00	200	Horizontal	Pass

802.11ax40(RU26) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.333	68.40	-2.25	74.0	5.60	Peak	104.00	200	Horizontal	Pass
1**	2387.333	45.93	-2.25	54.0	8.07	AV	104.00	200	Horizontal	Pass
2	2390.000	63.95	-2.35	74.0	10.05	Peak	102.00	100	Horizontal	Pass
2**	2390.000	47.42	-2.35	54.0	6.58	AV	102.00	100	Horizontal	Pass
3	2386.000	64.98	-2.21	74.0	9.02	Peak	112.00	150	Horizontal	Pass
3**	2386.000	47.56	-2.21	54.0	6.44	AV	112.00	150	Horizontal	Pass

802.11ax40(RU26) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	69.23	-0.86	74.0	4.77	Peak	101.00	200	Horizontal	Pass
1**	2483.500	46.44	-0.86	54.0	7.56	AV	101.00	200	Horizontal	Pass
2	2483.600	68.15	-0.86	74.0	5.85	Peak	106.00	150	Horizontal	Pass
2**	2483.600	47.93	-0.86	54.0	6.07	AV	106.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Note 1: All the configurations were pre tested, only the worst configuration has been reported in this report.
Note 2: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band of the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Data

Antenna 0

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.22	8
Middle	-7.52	8
High	-8.11	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.03	8
Middle	-15.14	8
High	-16.40	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.94	8
Middle	-13.04	8
High	-13.61	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.75	8
Middle	-17.96	8
High	-19.03	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.60	8
Middle	-14.22	8
High	-14.72	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.57	8
Middle	-19.61	8
High	-18.54	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.25	8
Middle	-6.57	8
High	-8.23	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.40	8
Middle	-8.54	8
High	-9.53	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.42	8
Middle	-11.53	8
High	-11.69	8

802.11ax-40 MHz(RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.23	8
Middle	-16.63	8
High	-16.94	8

Antenna 1

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.83	8
Middle	-7.20	8
High	-6.88	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.75	8
Middle	-14.07	8
High	-15.16	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.42	8
Middle	-12.26	8
High	-12.19	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.30	8
Middle	-17.85	8
High	-19.07	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.21	8
Middle	-15.21	8
High	-14.87	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.44	8
Middle	-19.79	8
High	-20.52	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.11	8
Middle	-6.43	8
High	-8.22	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.02	8
Middle	-10.27	8
High	-9.75	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.30	8
Middle	-12.55	8
High	-11.44	8

802.11ax-40 MHz(RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.87	8
Middle	-16.98	8
High	-16.87	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.50	7.33
Middle	-4.35	7.33
High	-4.44	7.33

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.36	7.33
Middle	-11.56	7.33
High	-12.73	7.33

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.16	8
Middle	-9.62	8
High	-9.83	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.51	8
Middle	-14.89	8
High	-16.04	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.88	8
Middle	-11.68	8
High	-11.78	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.97	8
Middle	-16.69	8
High	-16.41	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.65	8
Middle	-3.49	8
High	-5.21	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.19	8
Middle	-6.31	8
High	-6.63	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.83	8
Middle	-9.00	8
High	-8.55	8

802.11ax-40 MHz(RU242) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.04	8
Middle	-13.79	8
High	-13.90	8

Test Plots

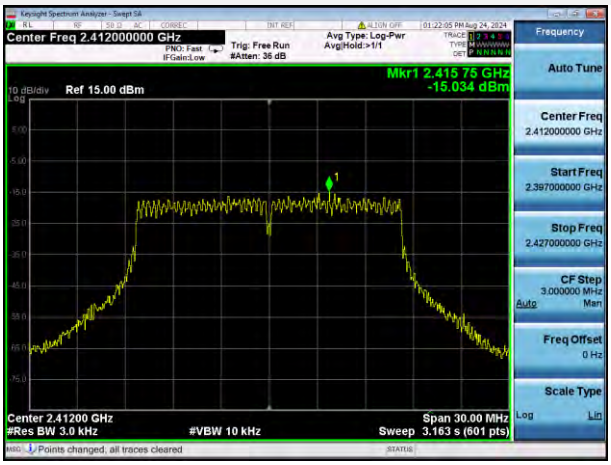
Antenna 0

802.11b LOW CHANNEL

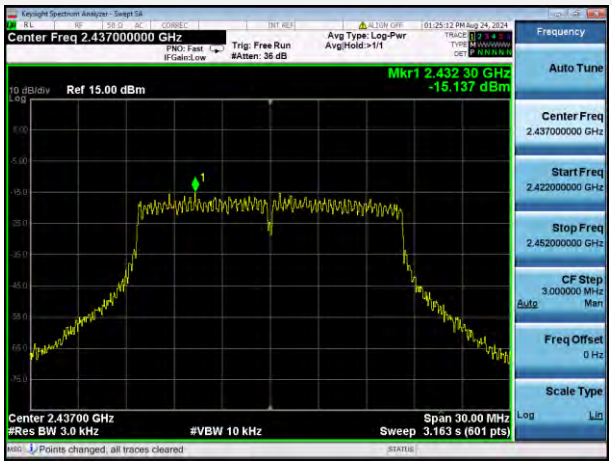
802.11b MIDDLE CHANNEL

802.11b HIGH CHANNEL

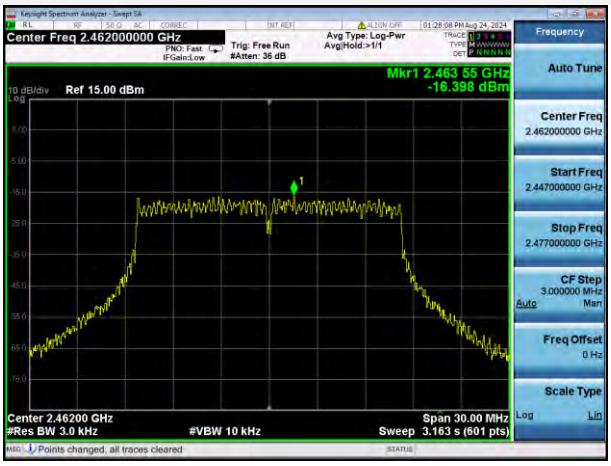
802.11g LOW CHANNEL



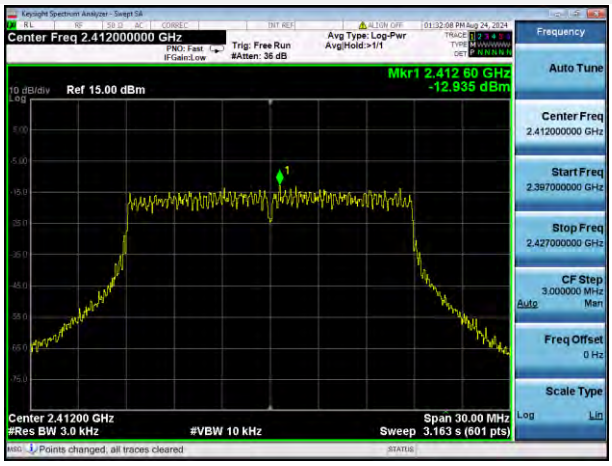
802.11g MIDDLE CHANNEL



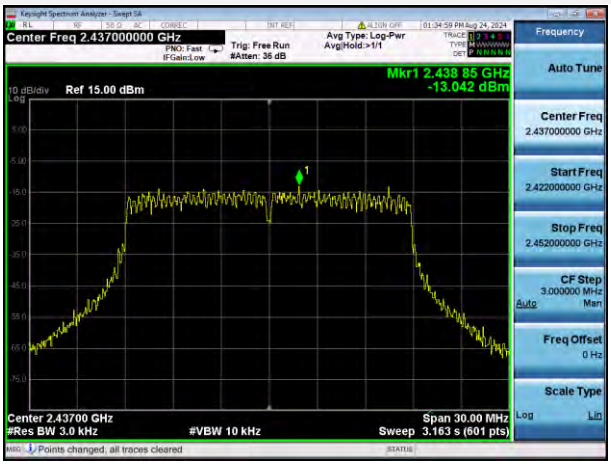
802.11g HIGH CHANNEL



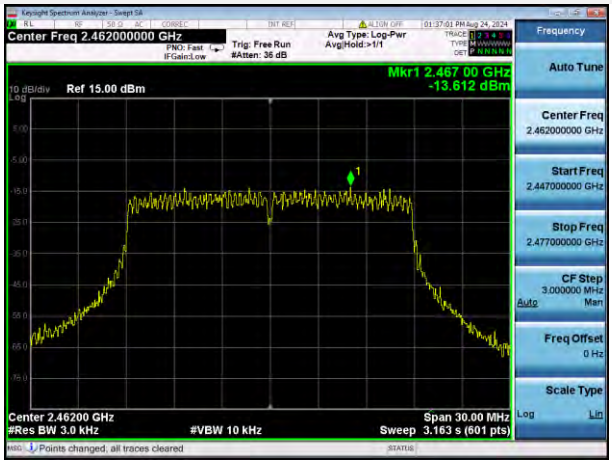
802.11n-20 MHz LOW CHANNEL



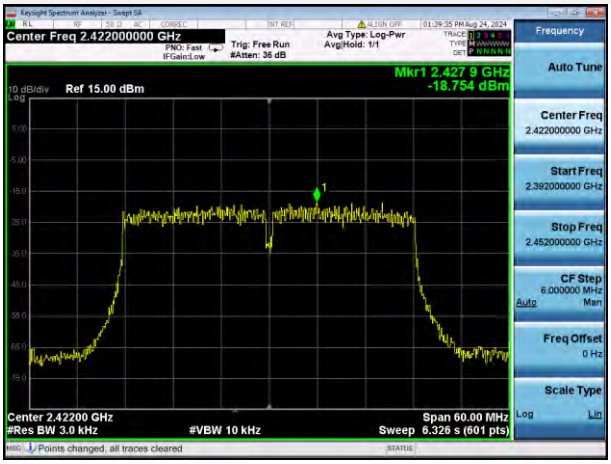
802.11n-20 MHz MIDDLE CHANNEL



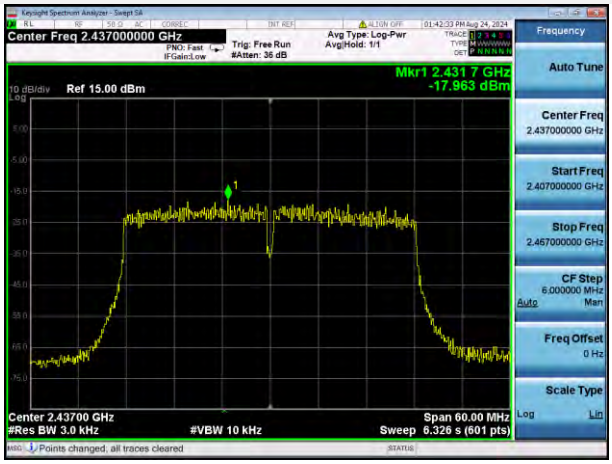
802.11n-20 MHz HIGH CHANNEL



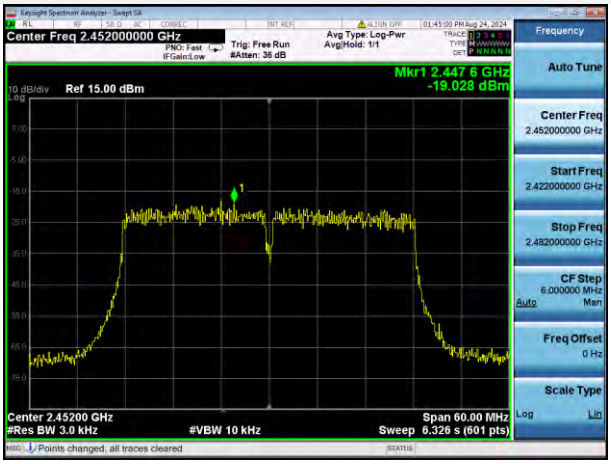
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

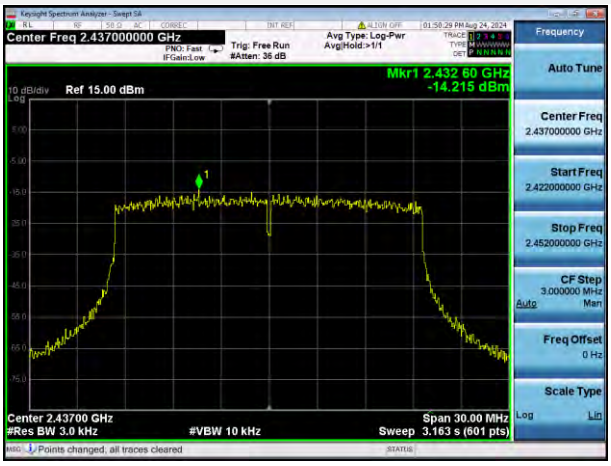


802.11n-40 MHz HIGH CHANNEL

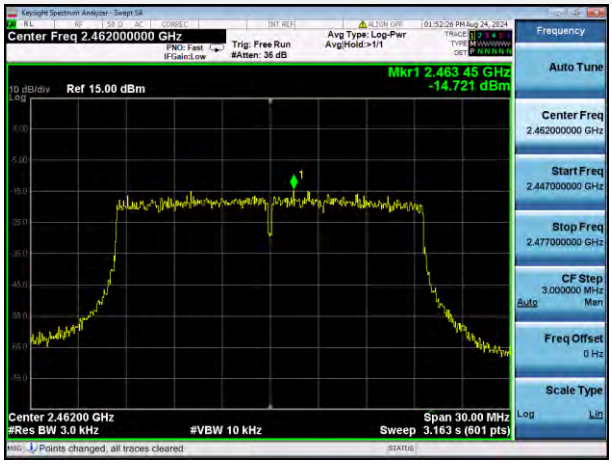


802.11ax-20 MHz(SU) LOW CHANNEL

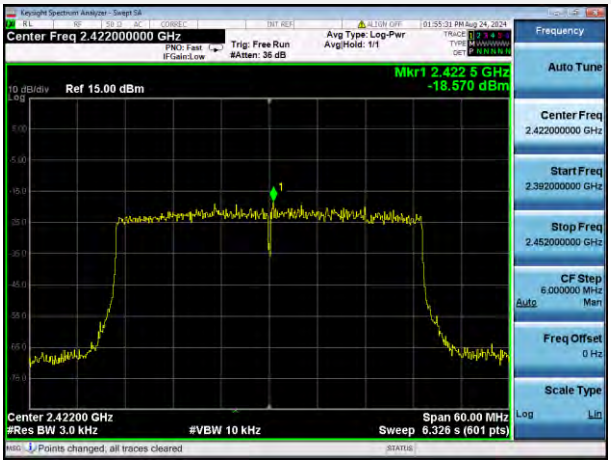
802.11ax-20 MHz(SU) MIDDLE CHANNEL



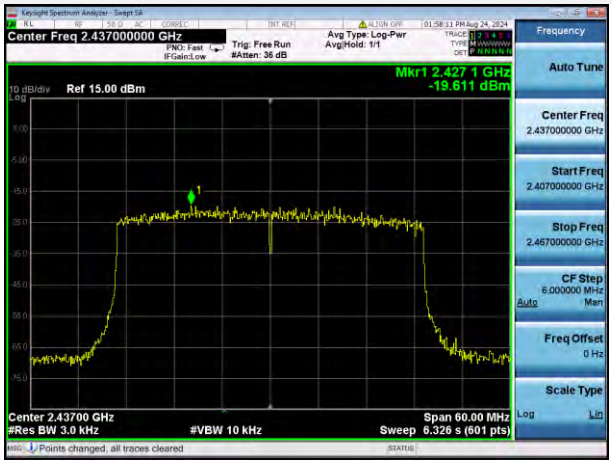
802.11ax-20 MHz(SU) HIGH CHANNEL



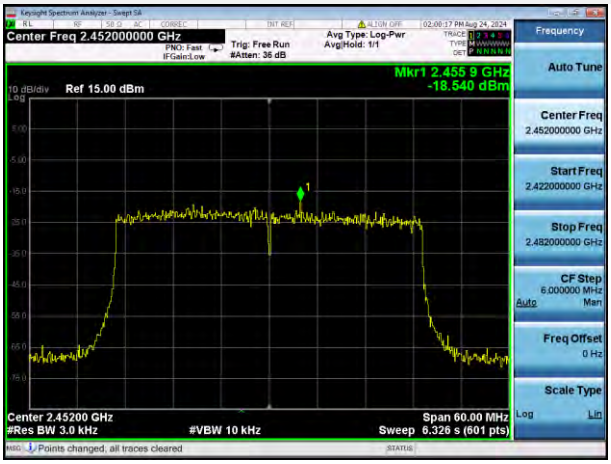
802.11ax-40 MHz(SU) LOW CHANNEL



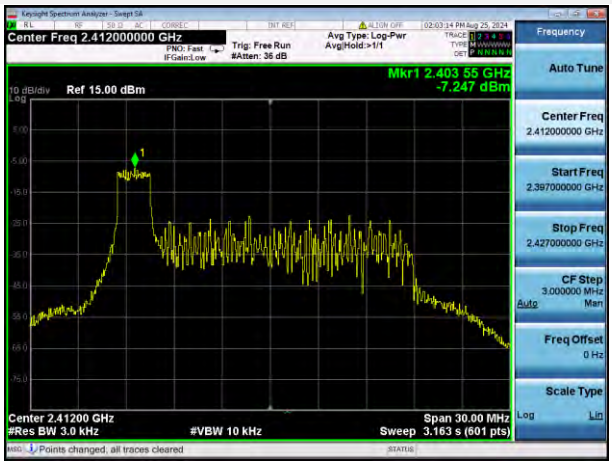
802.11ax-40 MHz(SU) MIDDLE CHANNEL



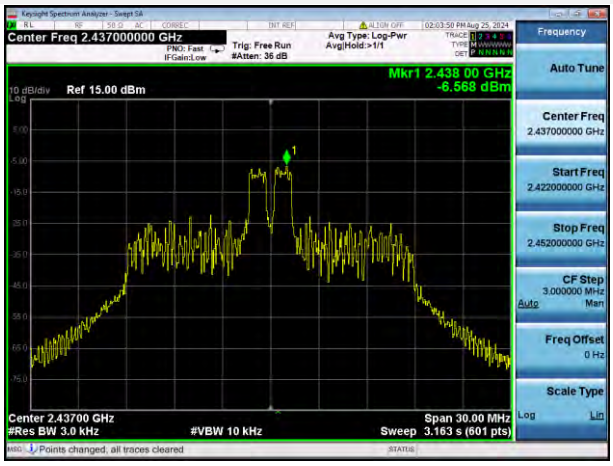
802.11ax-40 MHz(SU) HIGH CHANNEL



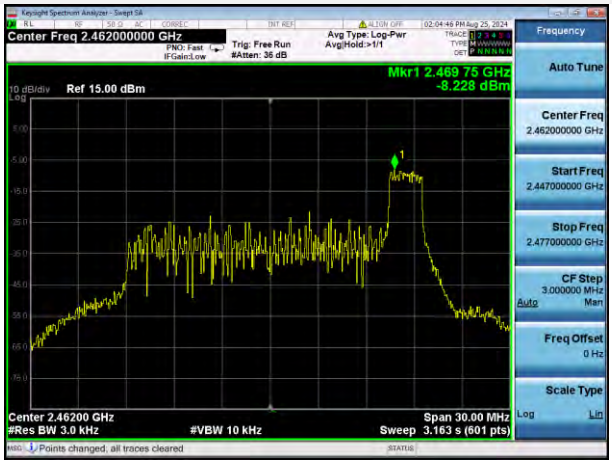
802.11ax-20 MHz(RU26) LOW CHANNEL



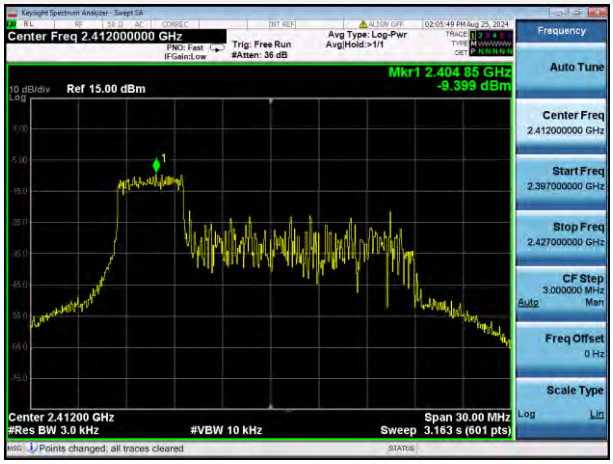
802.11ax-20 MHz(RU26) MIDDLE CHANNEL



802.11ax-20 MHz(RU26) HIGH CHANNEL

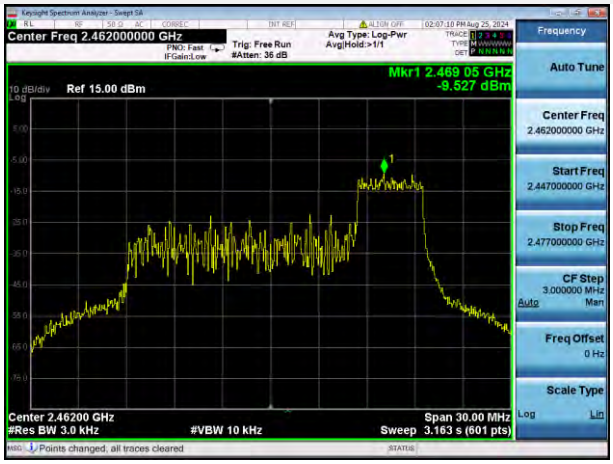


802.11ax-20 MHz(RU52) LOW CHANNEL



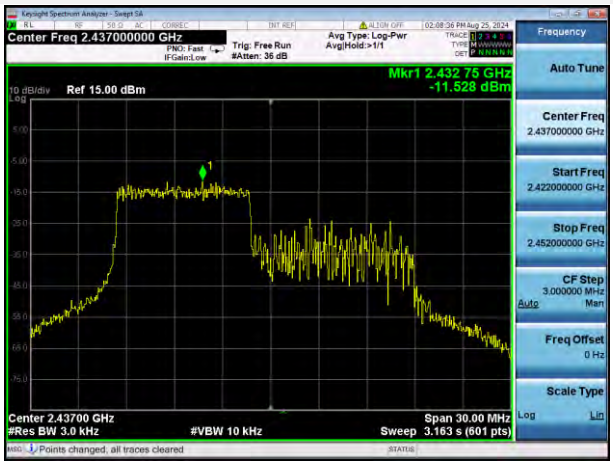
802.11ax-20 MHz(RU52) MIDDLE CHANNEL

802.11ax-20 MHz(RU52) HIGH CHANNEL

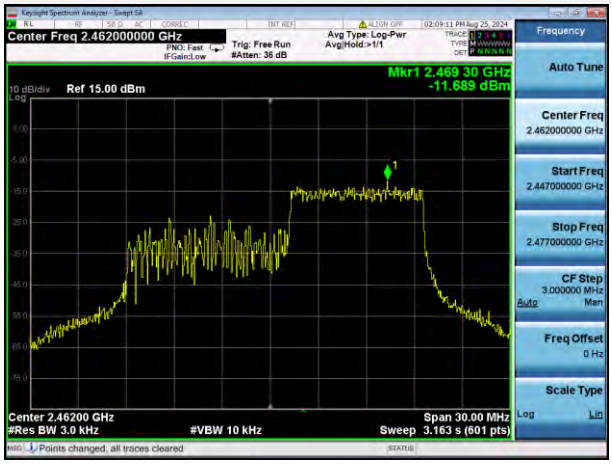


802.11ax-20 MHz(RU106) LOW CHANNEL

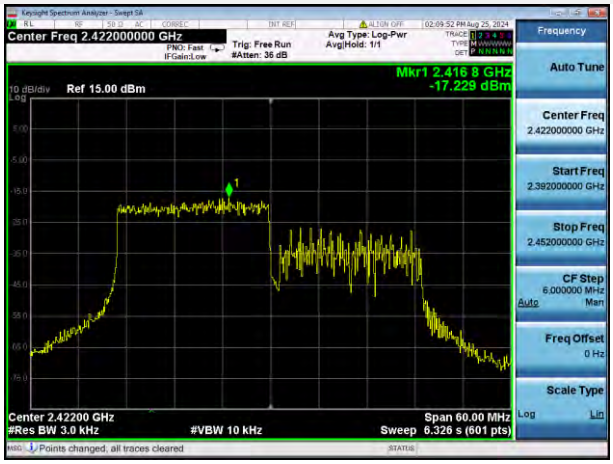
802.11ax-20 MHz(RU106) MIDDLE CHANNEL



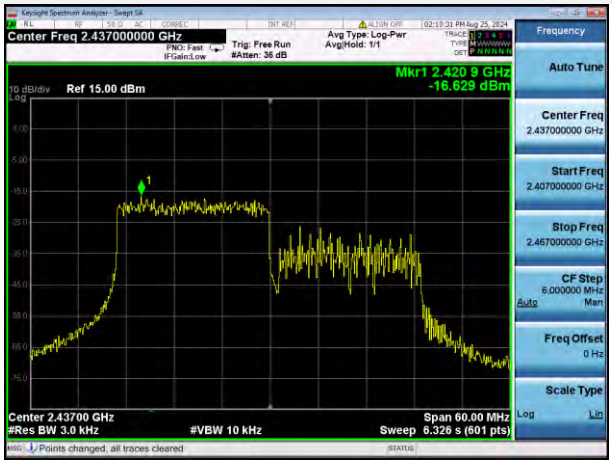
802.11ax-20 MHz(RU106) HIGH CHANNEL



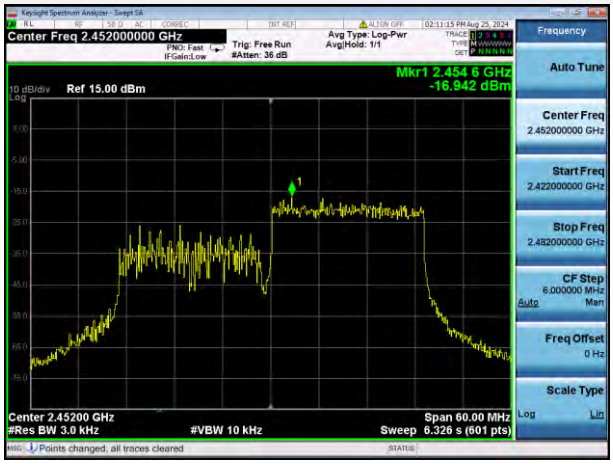
802.11ax-40 MHz(RU242) LOW CHANNEL



802.11ax-40 MHz(RU242) MIDDLE CHANNEL



802.11ax-40 MHz(RU242) HIGH CHANNEL



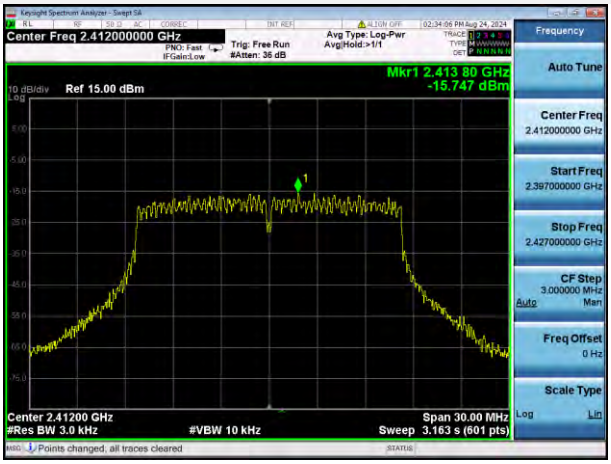
Antenna 1

802.11b LOW CHANNEL

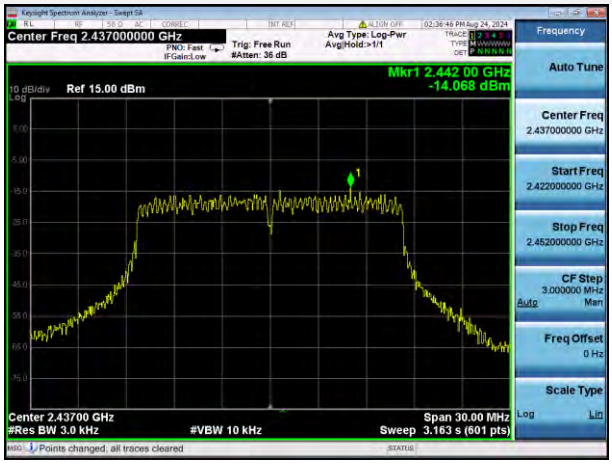
802.11b MIDDLE CHANNEL

802.11b HIGH CHANNEL

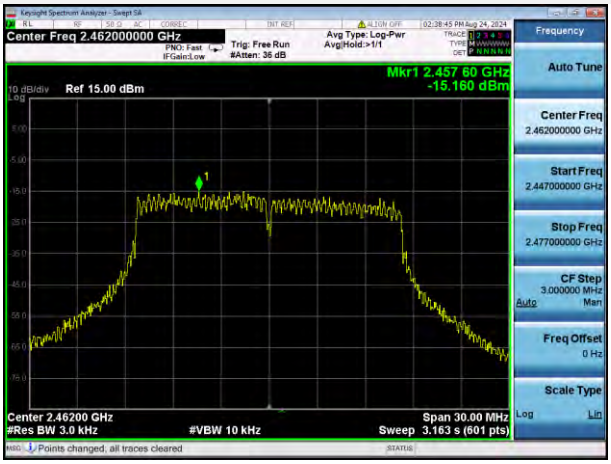
802.11g LOW CHANNEL



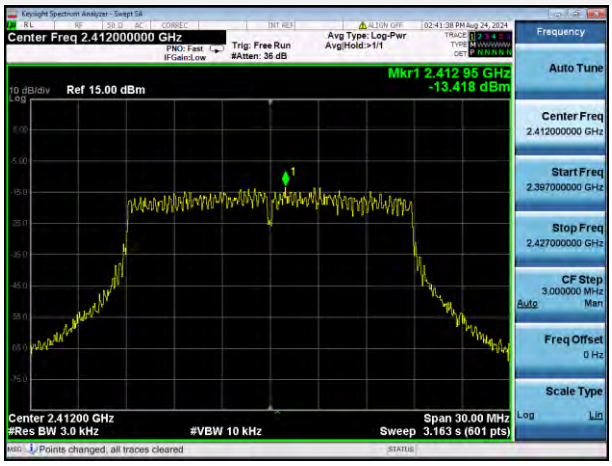
802.11g MIDDLE CHANNEL



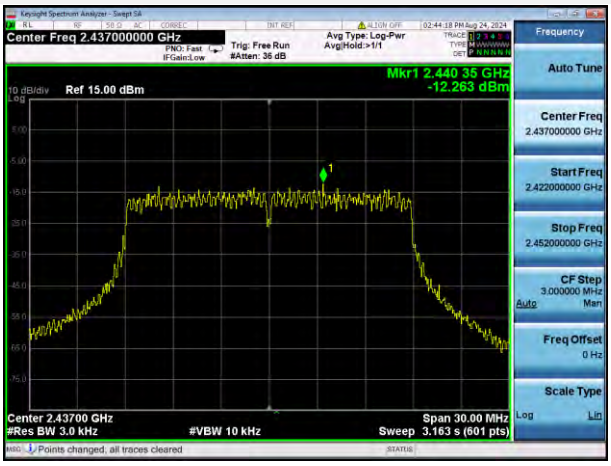
802.11g HIGH CHANNEL



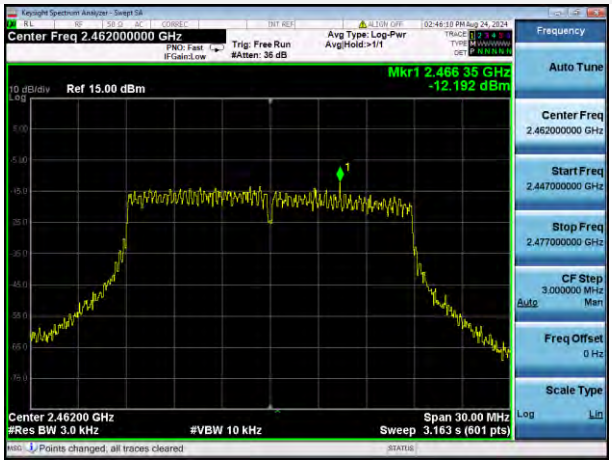
802.11n-20 MHz LOW CHANNEL



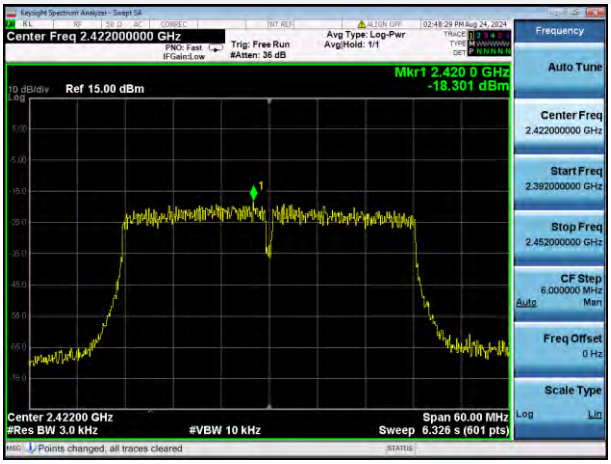
802.11n-20 MHz MIDDLE CHANNEL



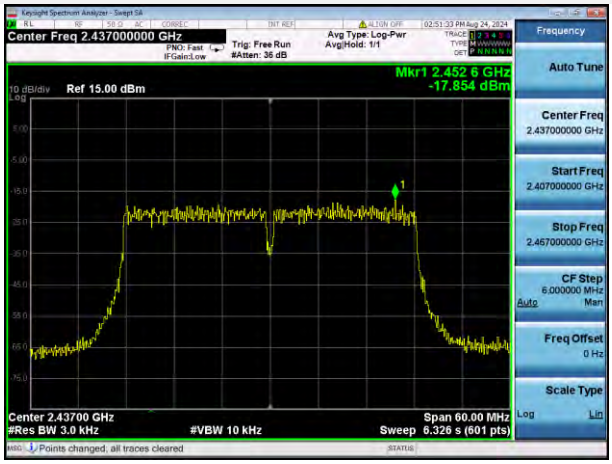
802.11n-20 MHz HIGH CHANNEL



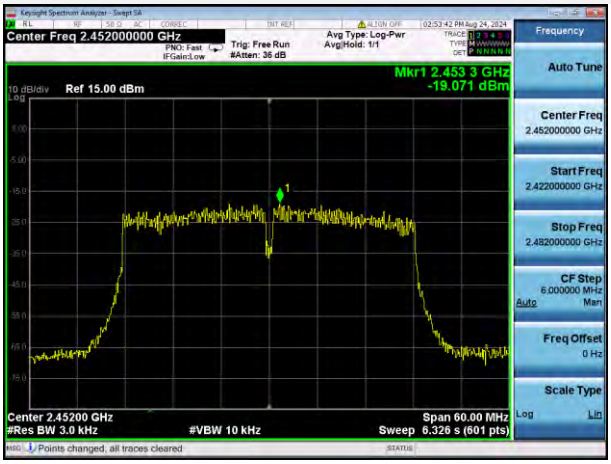
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

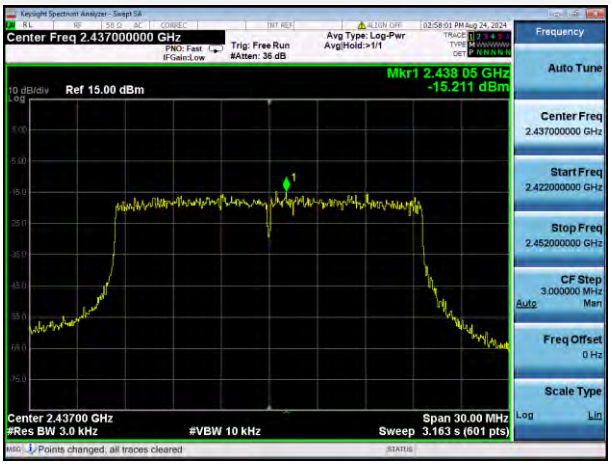


802.11n-40 MHz HIGH CHANNEL

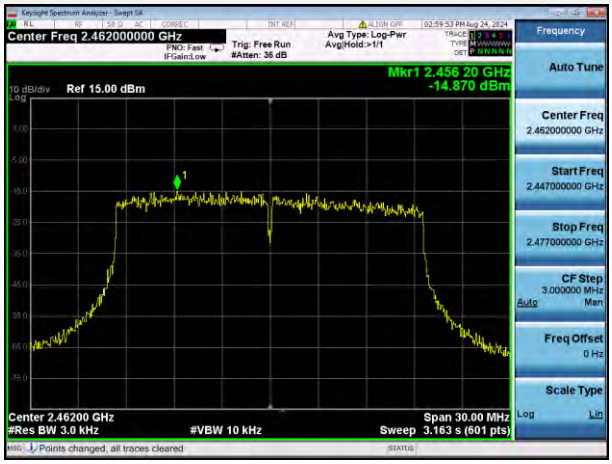


802.11ax-20 MHz(SU) LOW CHANNEL

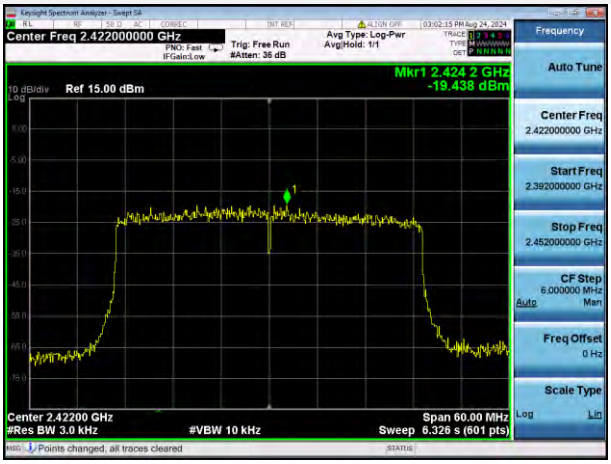
802.11ax-20 MHz(SU) MIDDLE CHANNEL



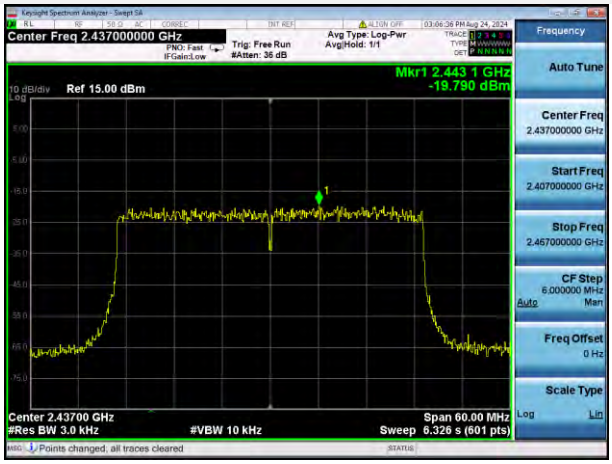
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL

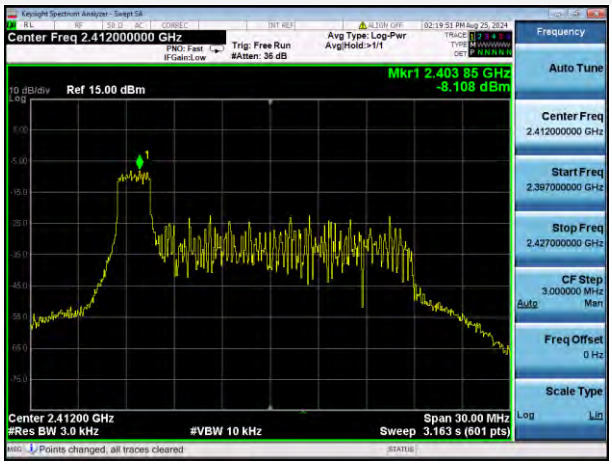


802.11ax-40 MHz(SU) MIDDLE CHANNEL



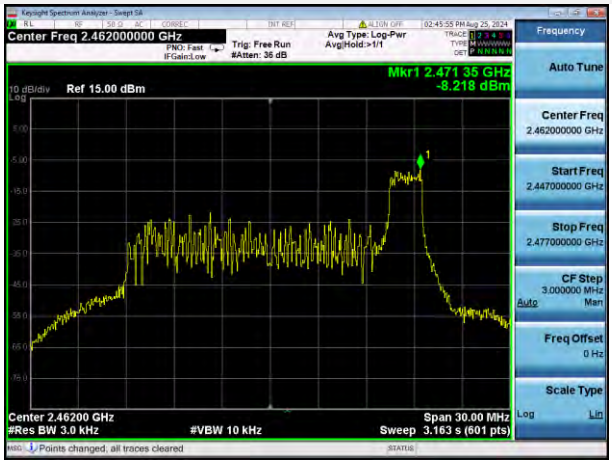
802.11ax-40 MHz(SU) HIGH CHANNEL

802.11ax-20 MHz(RU26) LOW CHANNEL

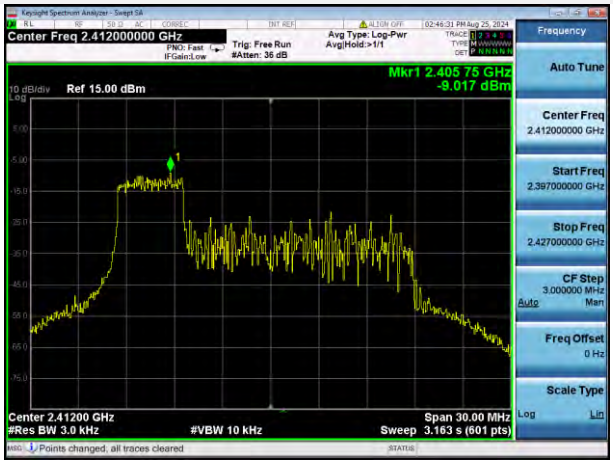


802.11ax-20 MHz(RU26) MIDDLE CHANNEL

802.11ax-20 MHz(RU26) HIGH CHANNEL

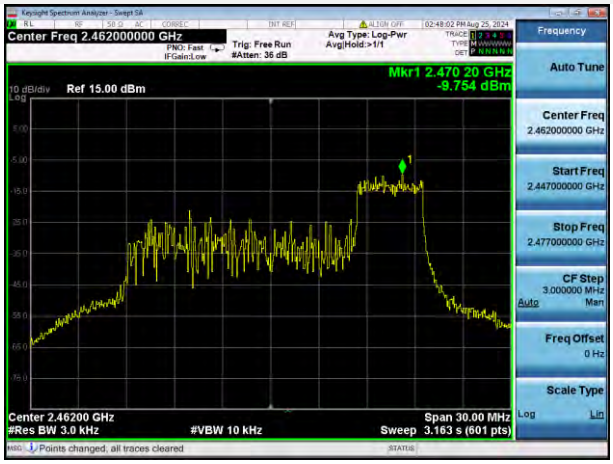


802.11ax-20 MHz(RU52) LOW CHANNEL

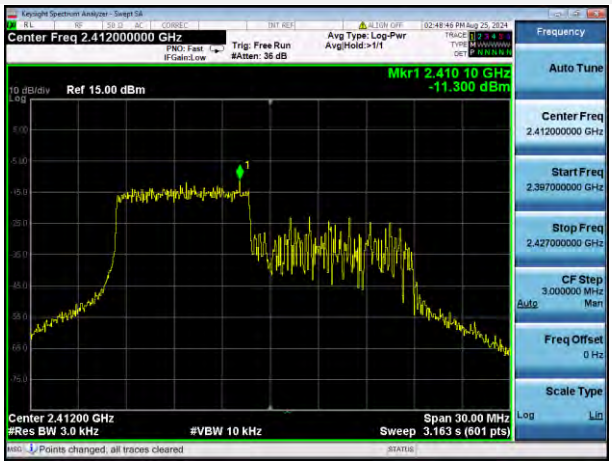


802.11ax-20 MHz(RU52) MIDDLE CHANNEL

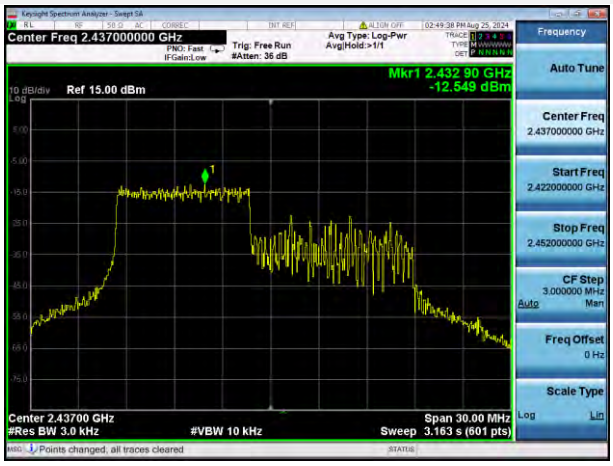
802.11ax-20 MHz(RU52) HIGH CHANNEL



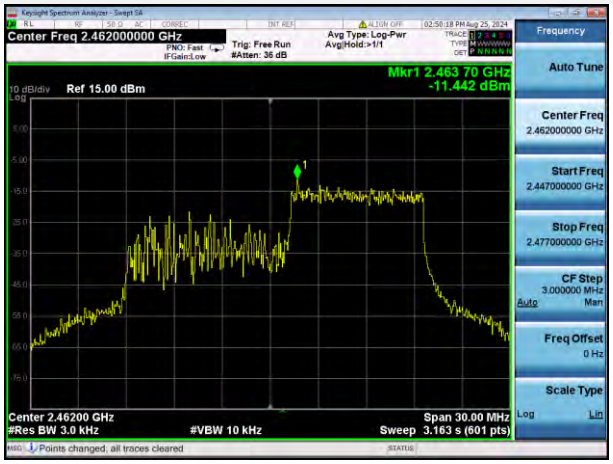
802.11ax-20 MHz(RU106) LOW CHANNEL



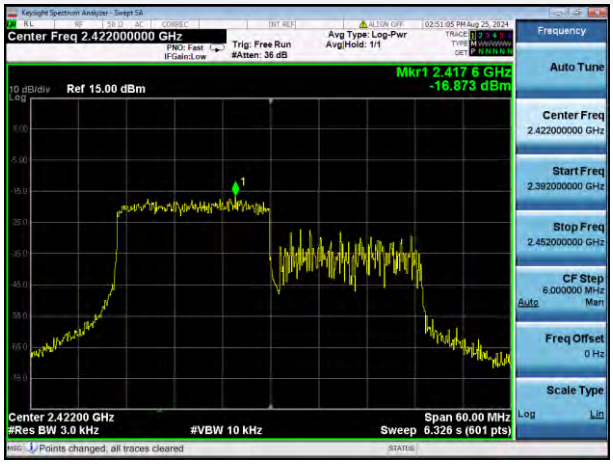
802.11ax-20 MHz(RU106) MIDDLE CHANNEL



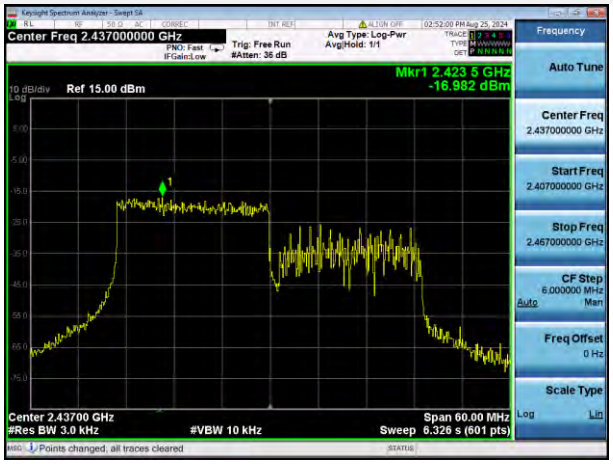
802.11ax-20 MHz(RU106) HIGH CHANNEL



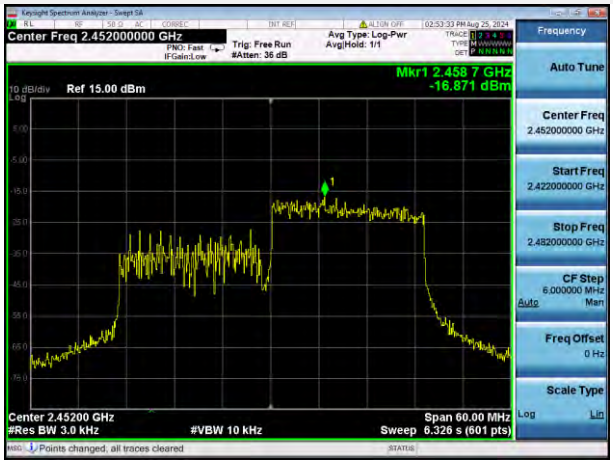
802.11ax-40 MHz(RU242) LOW CHANNEL



802.11ax-40 MHz(RU242) MIDDLE CHANNEL



802.11ax-40 MHz(RU242) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2480124-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2480124-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2480124-AI.PDF”.

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--END OF REPORT--