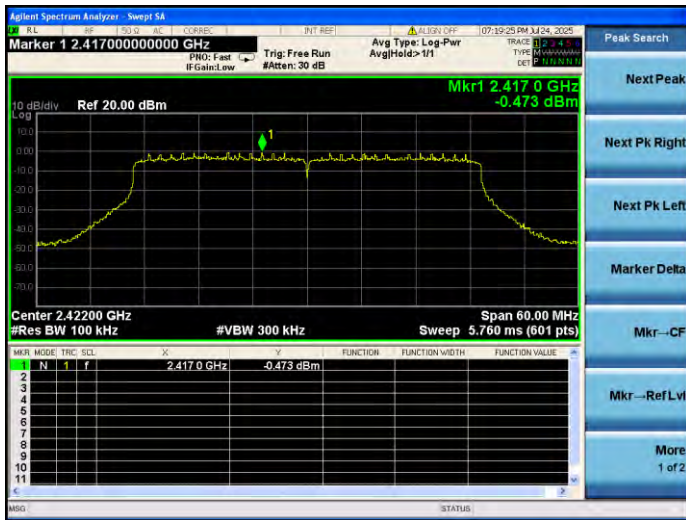
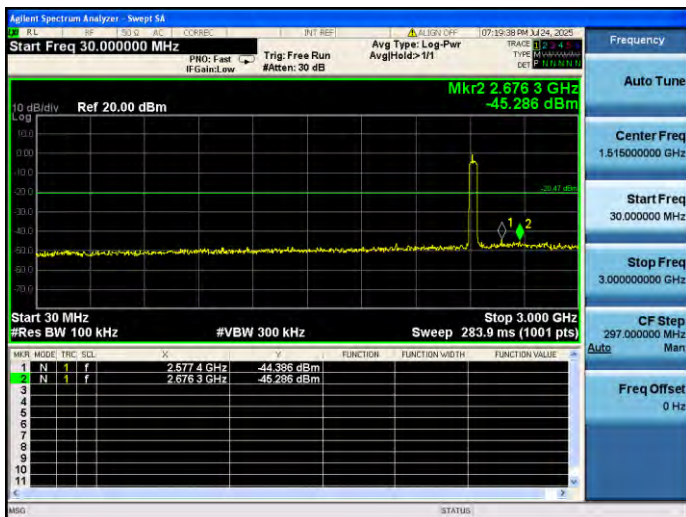
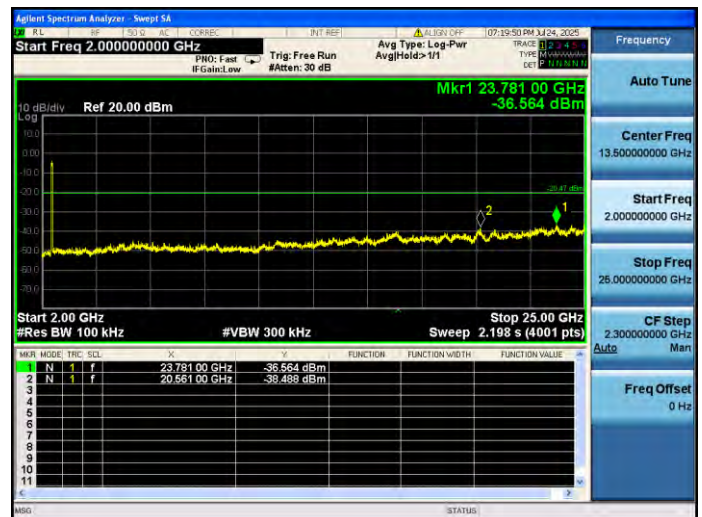
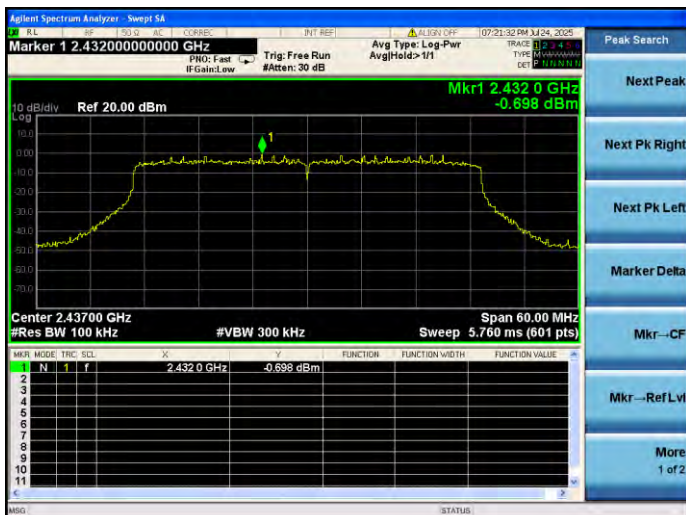
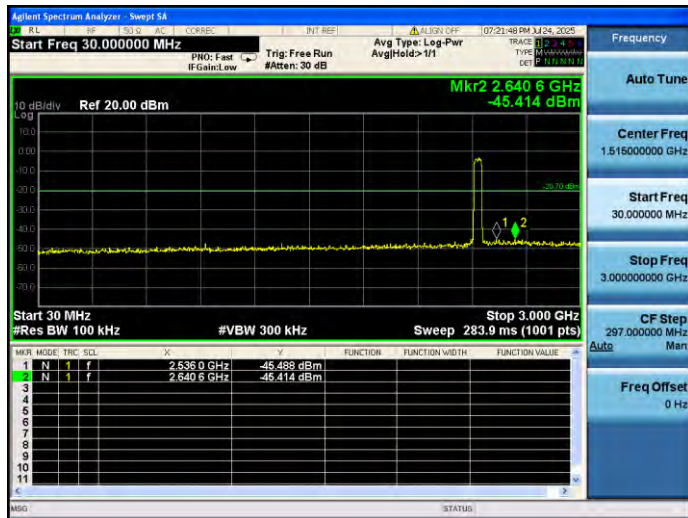


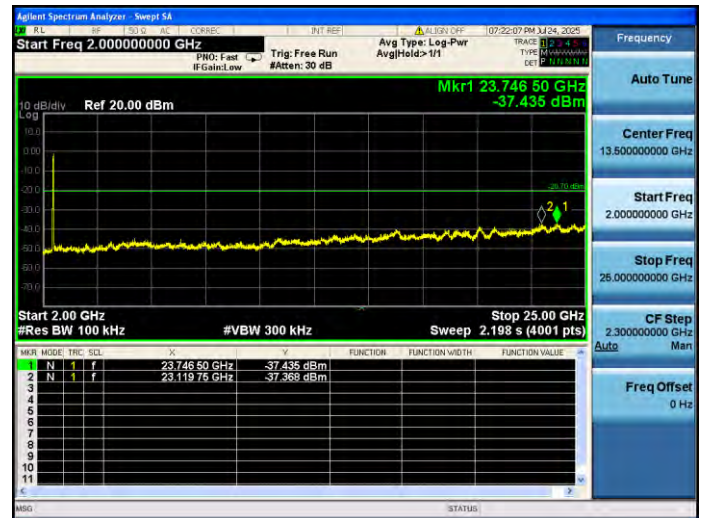
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz802.11ax-40 MHz(SU) MIDDLE CHANNEL CARRIER
LEVEL

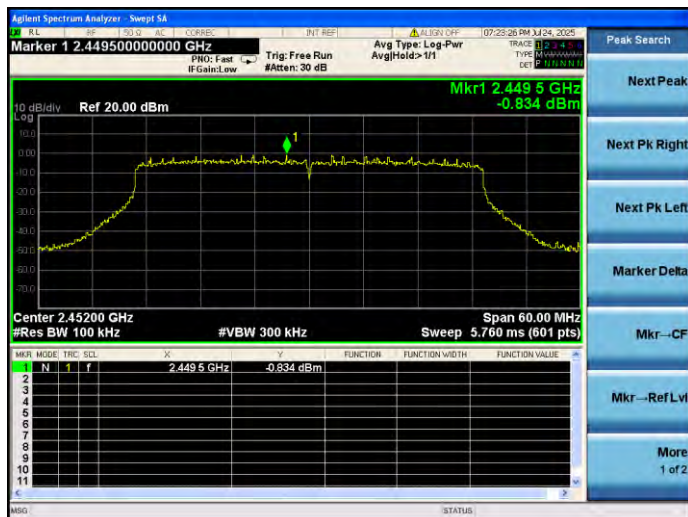
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



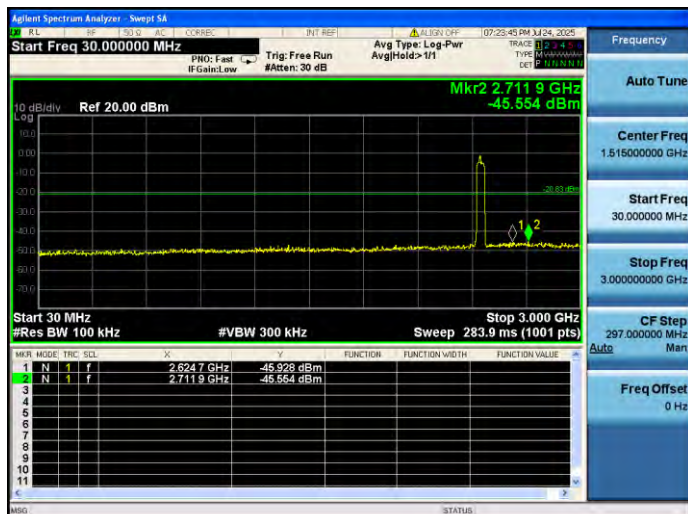
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



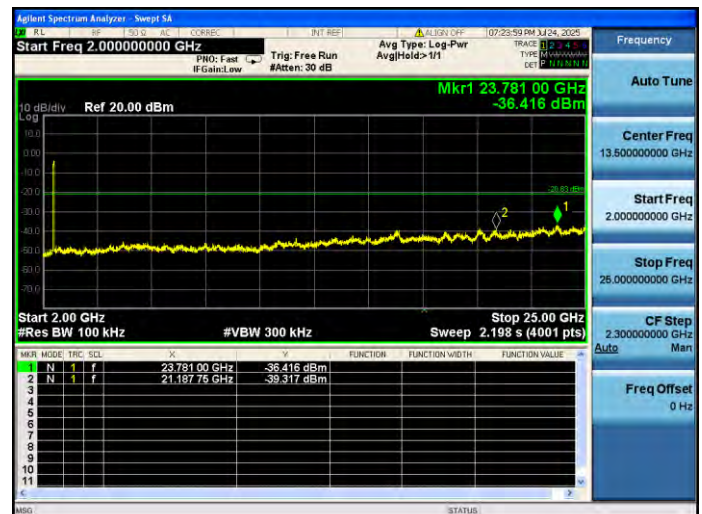
802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



SISO-Antenna 6Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.83	8.66	-11.35	Pass
Middle	-36.42	9.18	-10.82	Pass
High	-36.65	8.99	-11.02	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.87	4.95	-15.05	Pass
Middle	-36.39	4.93	-15.07	Pass
High	-36.11	4.82	-15.18	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.64	4.40	-15.60	Pass
Middle	-35.90	4.43	-15.57	Pass
High	-36.51	4.46	-15.54	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.50	1.68	-18.32	Pass
Middle	-37.26	1.65	-18.35	Pass
High	-36.81	1.41	-18.59	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.32	3.53	-16.48	Pass
Middle	-37.05	3.06	-16.94	Pass
High	-37.08	2.96	-17.04	Pass

802.11ax-40 MHz(SU) Mode:

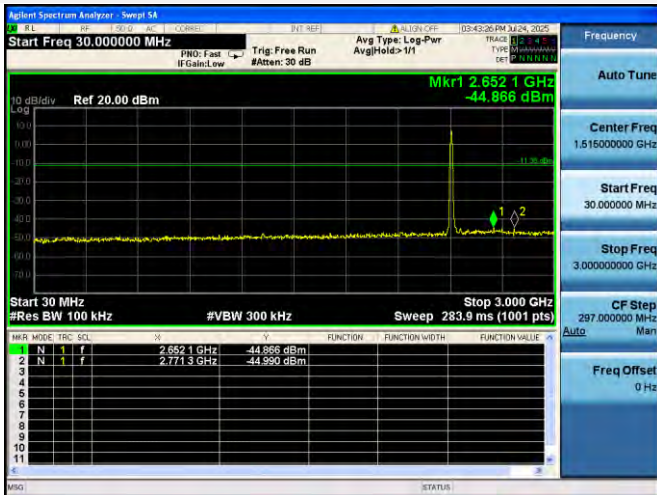
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.35	0.86	-19.14	Pass
Middle	-36.92	0.42	-19.58	Pass
High	-37.12	-0.30	-20.30	Pass

Test Plots

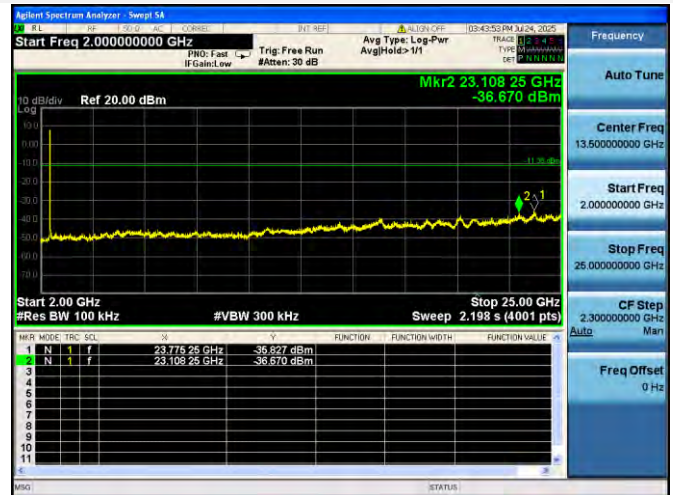
802.11b LOW CHANNEL CARRIER LEVEL



802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



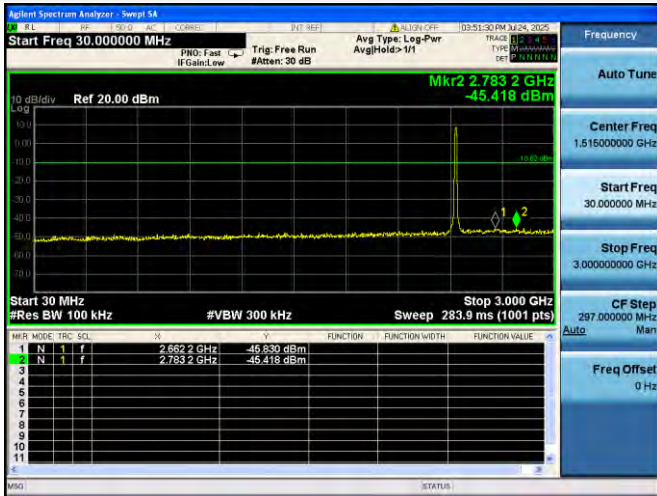
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



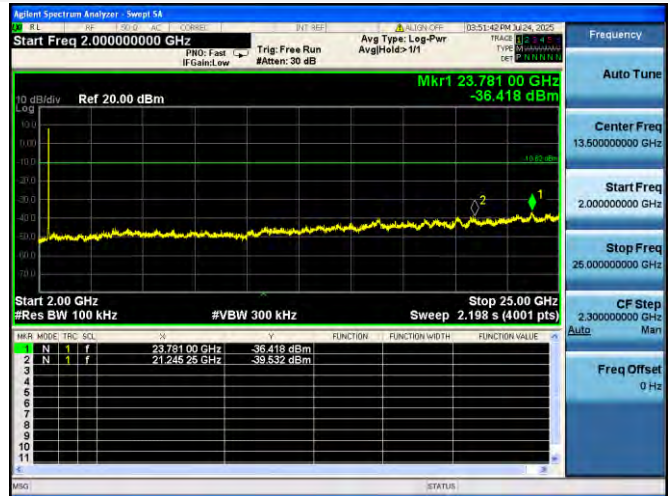
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



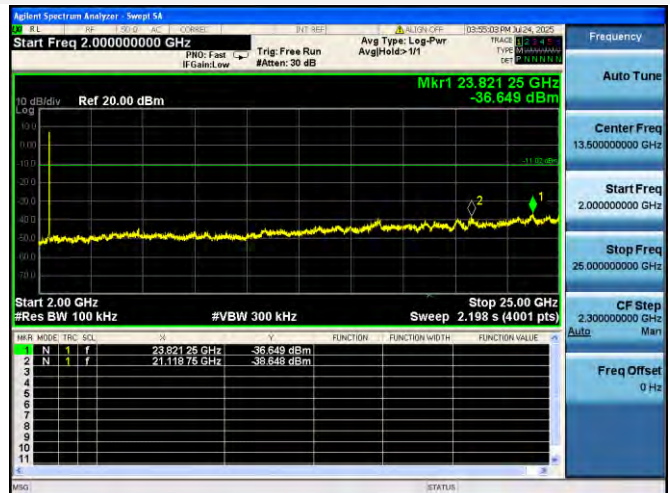
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



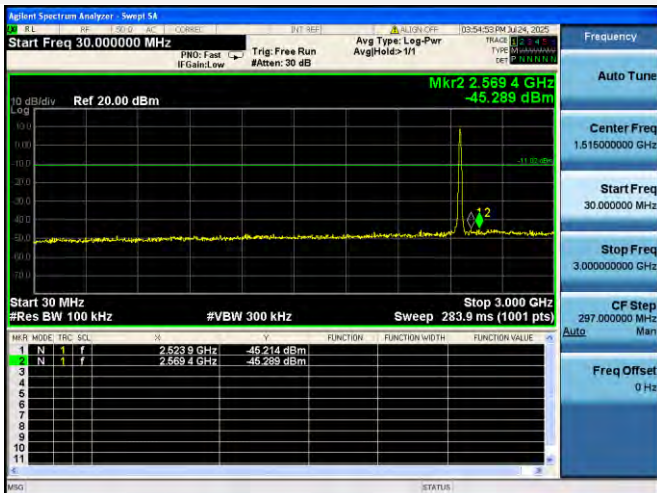
802.11b HIGH CHANNEL CARRIER LEVEL



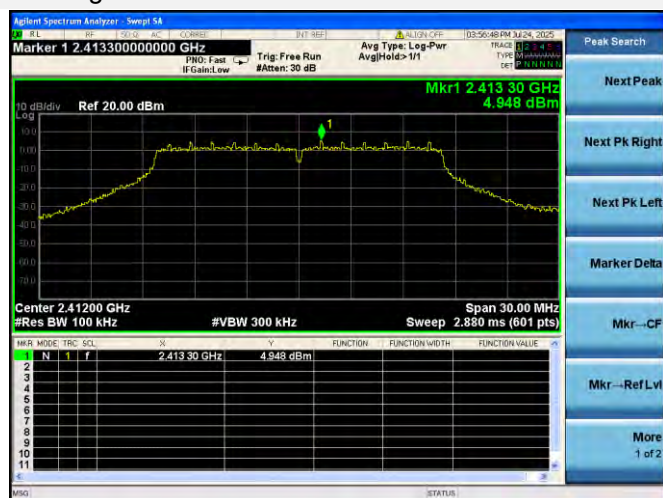
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



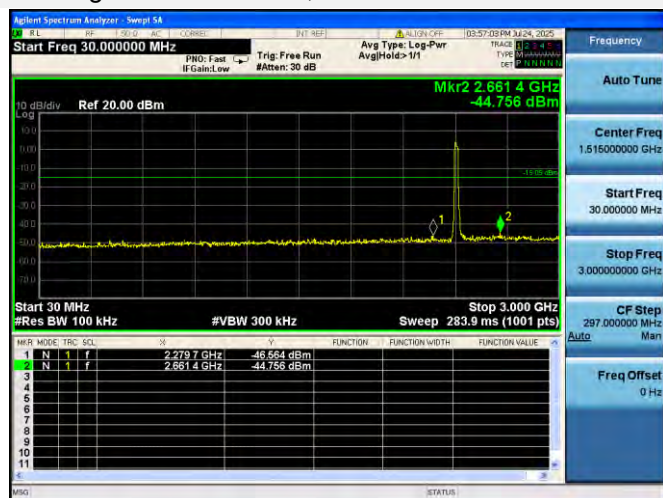
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



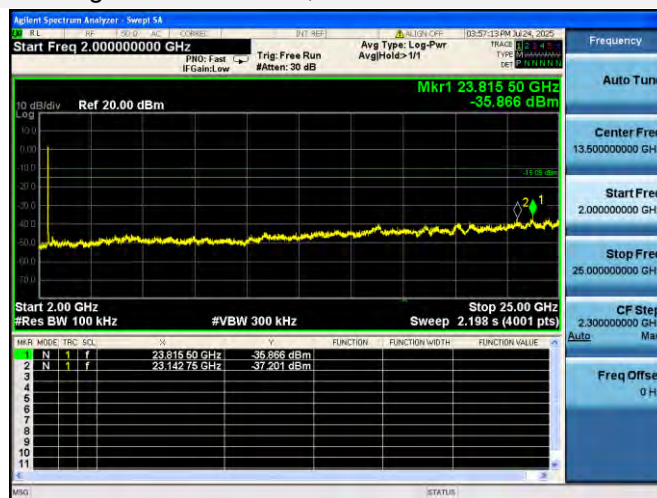
802.11g LOW CHANNEL CARRIER LEVEL



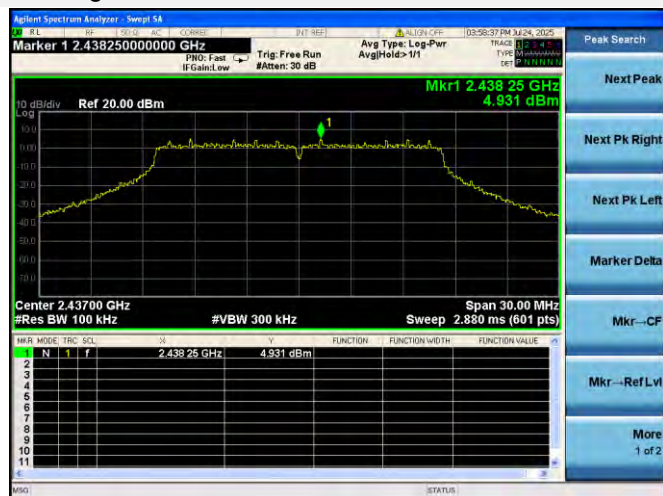
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



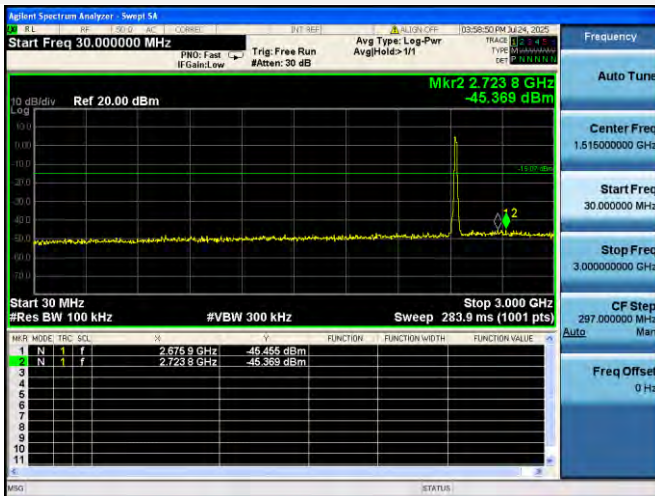
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



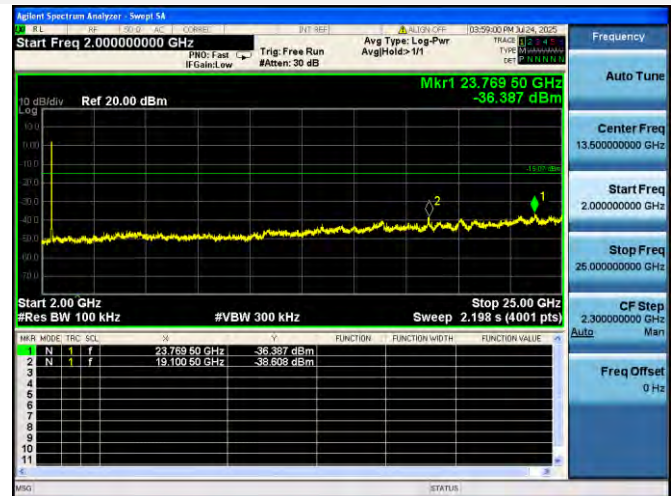
802.11g MIDDLE CHANNEL CARRIER LEVEL



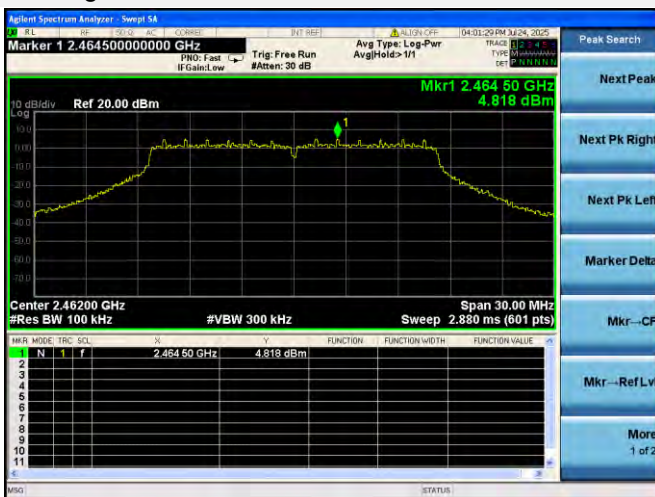
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



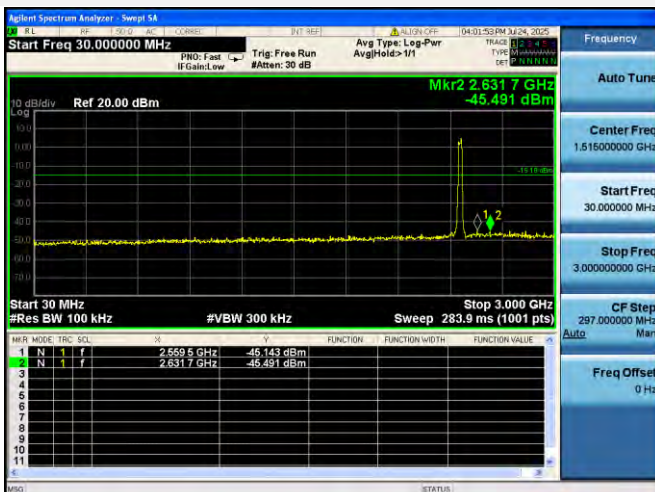
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



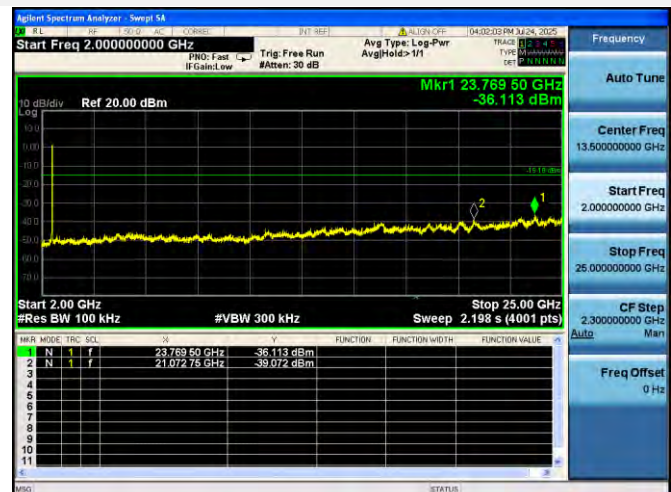
802.11g HIGH CHANNEL CARRIER LEVEL



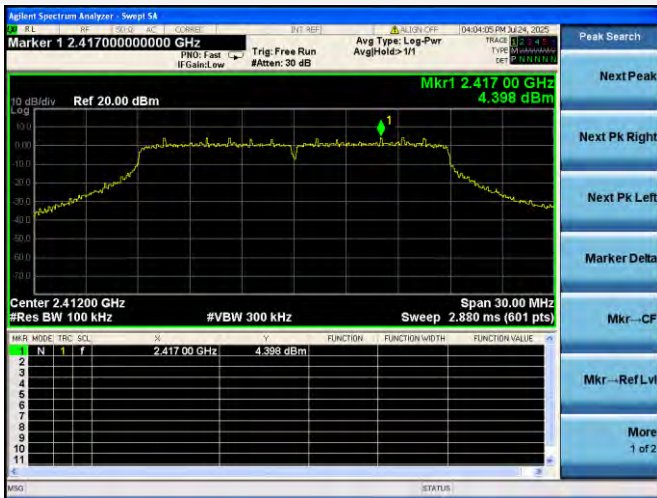
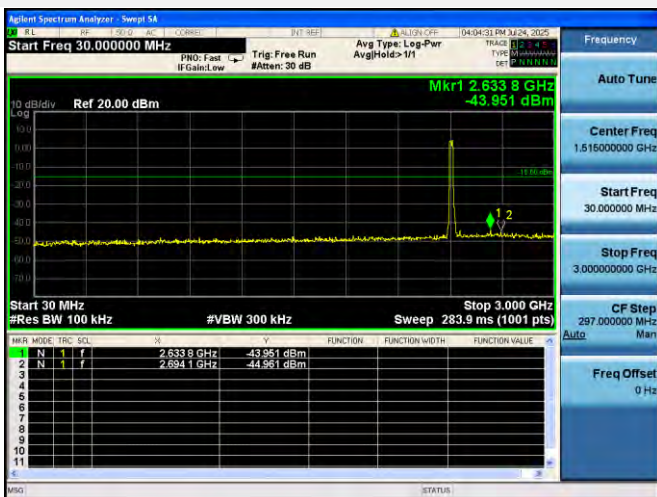
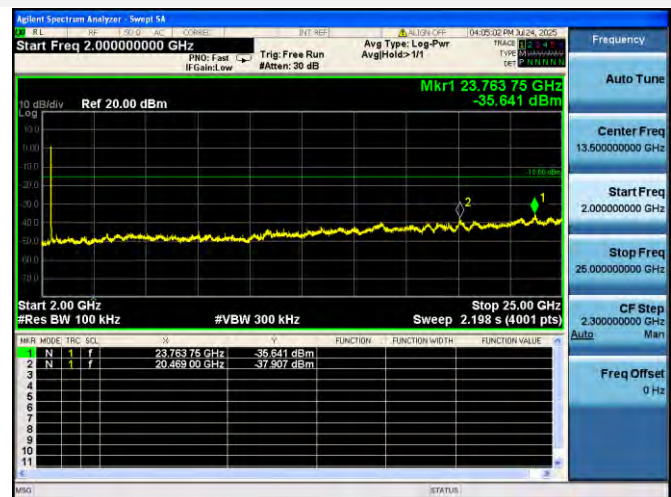
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



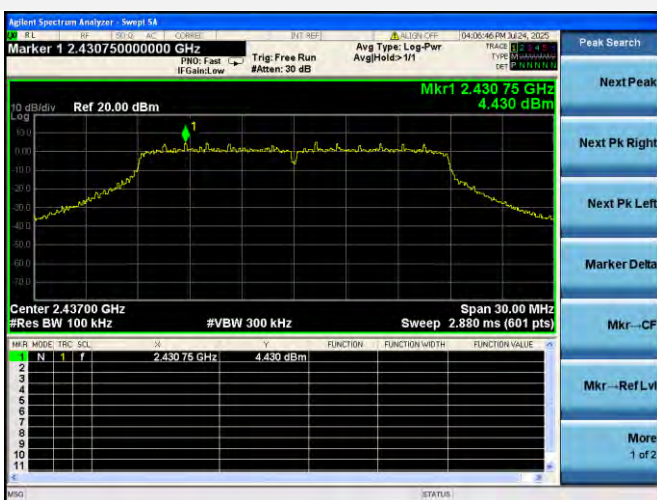
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



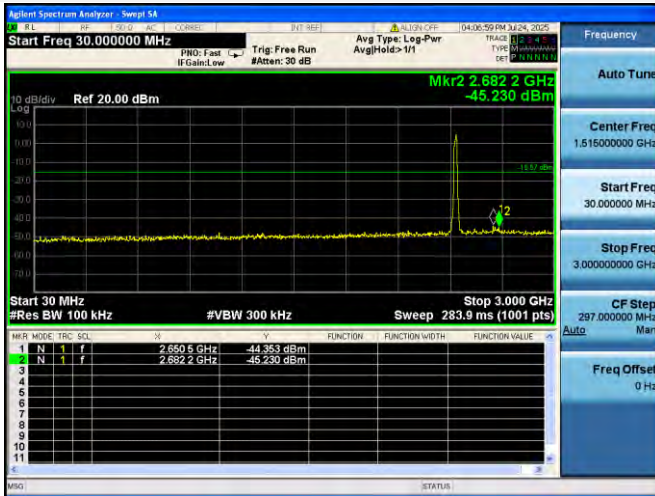
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

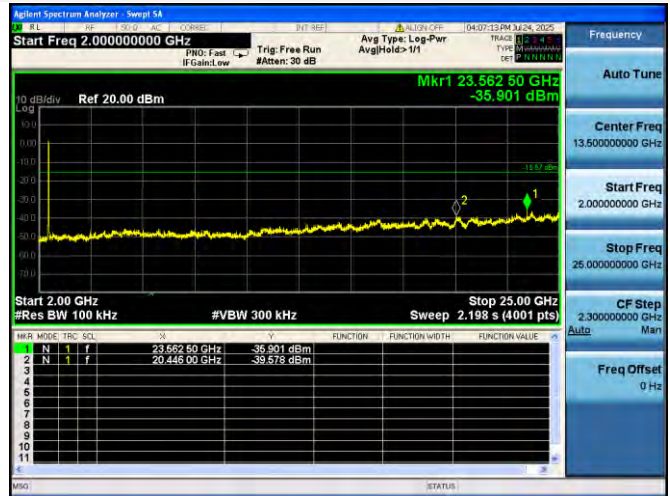
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



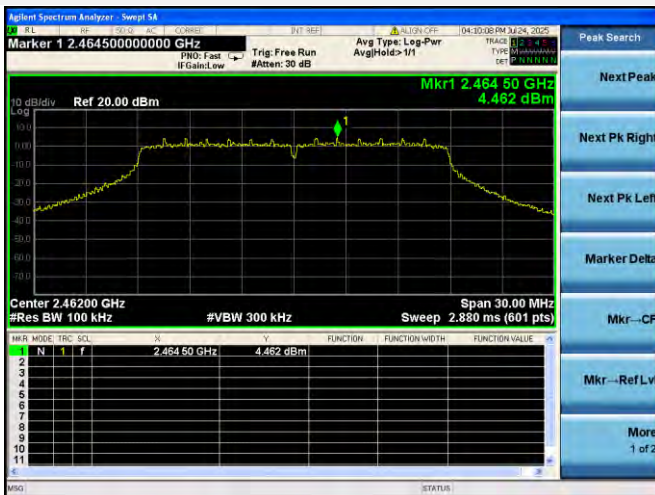
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



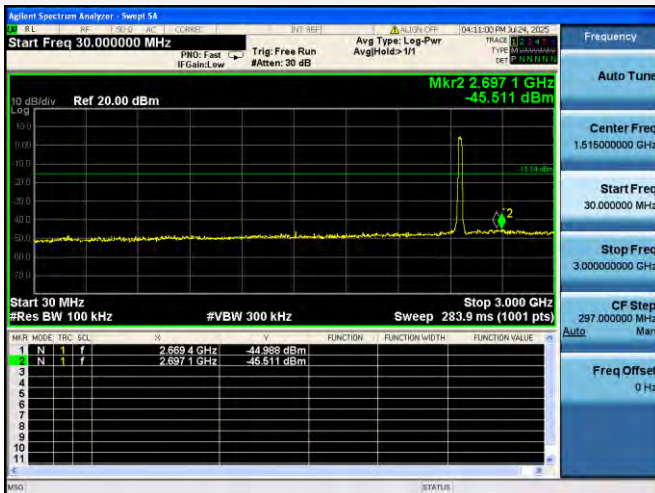
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



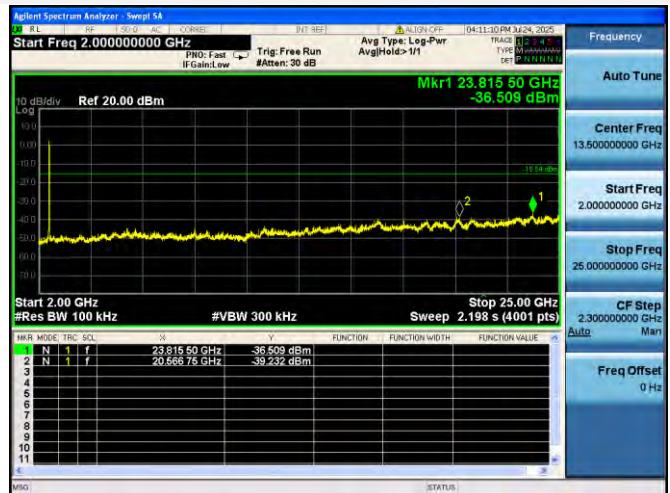
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



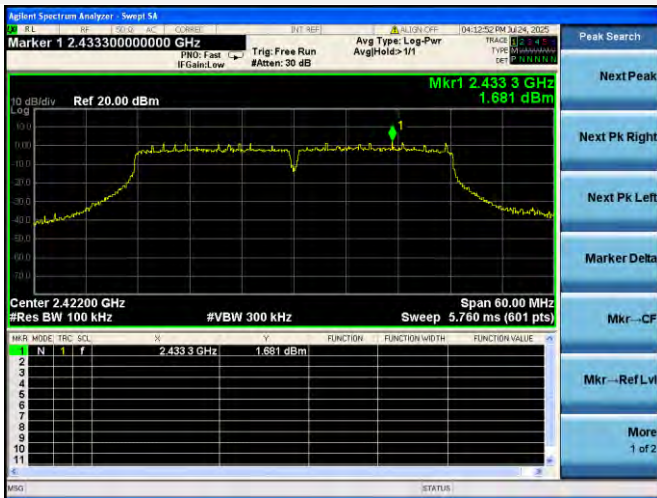
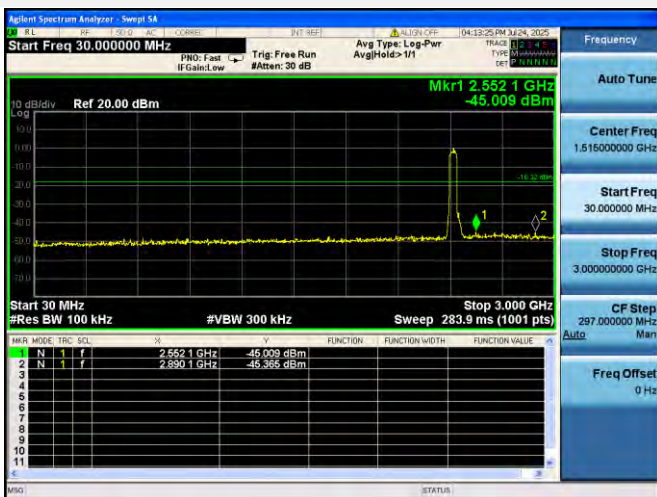
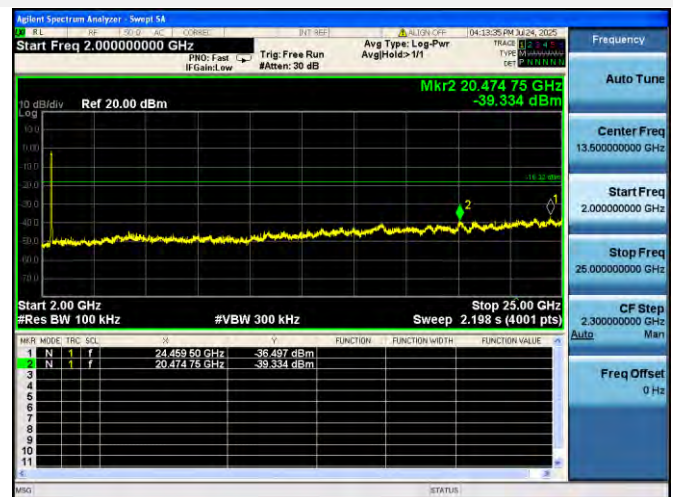
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



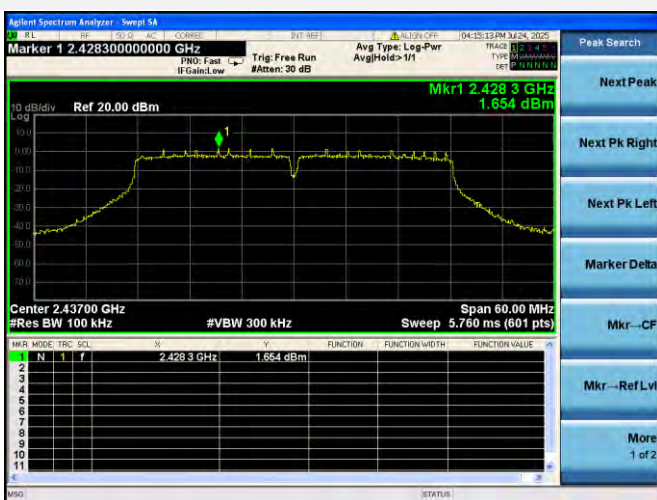
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



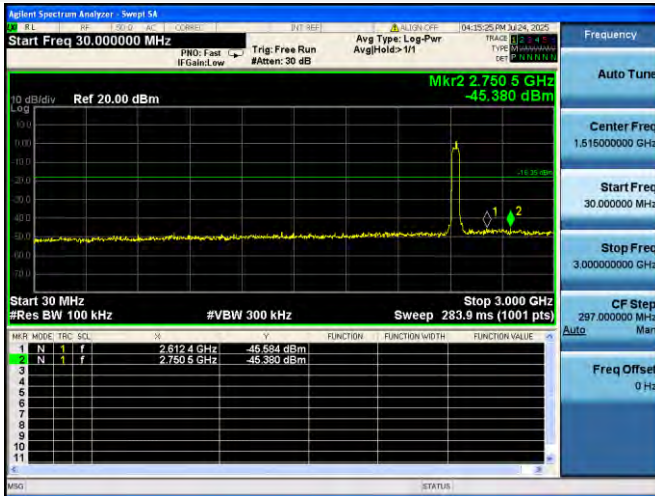
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

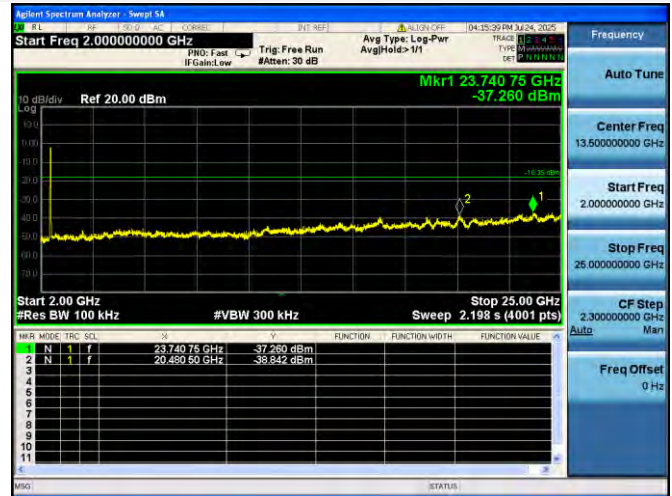
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



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



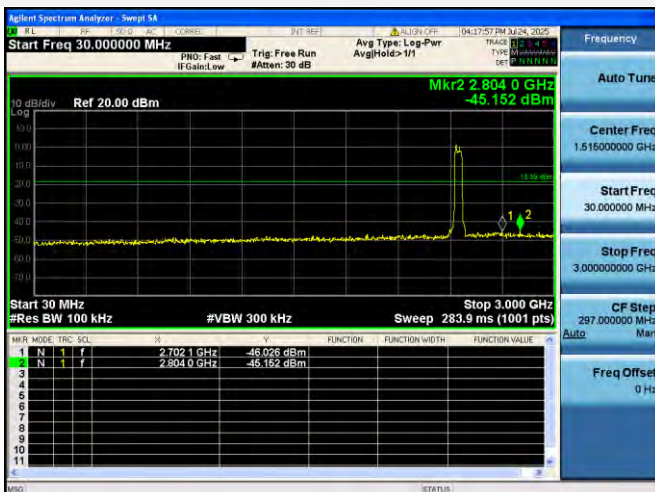
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



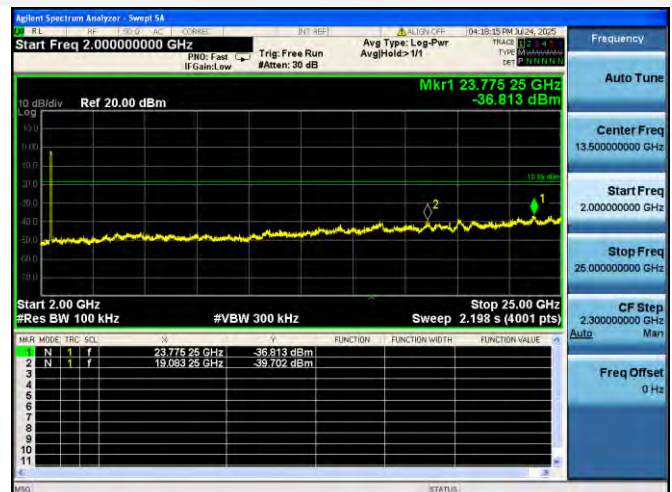
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



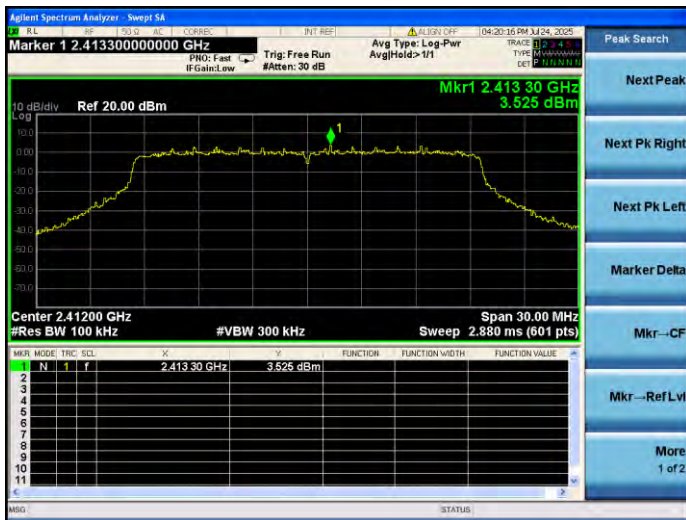
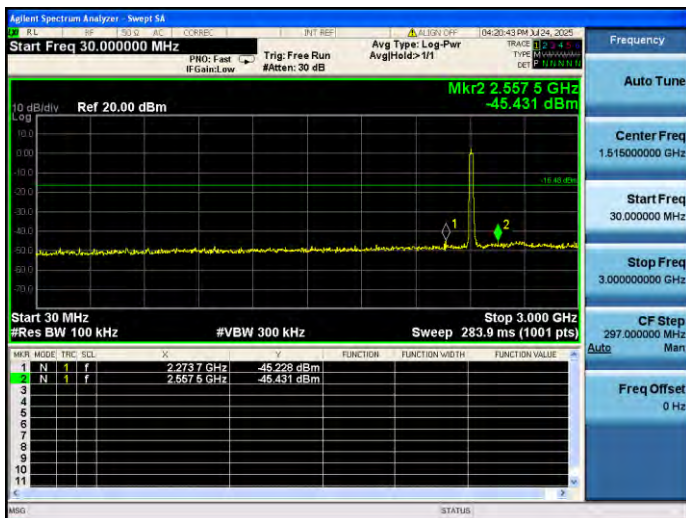
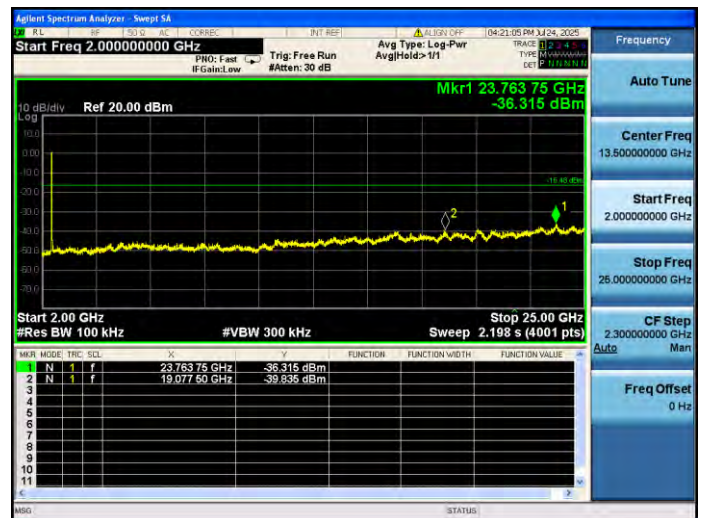
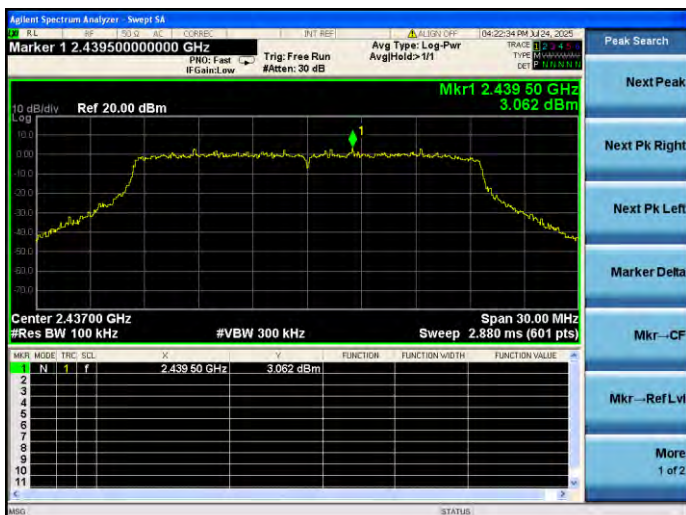
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



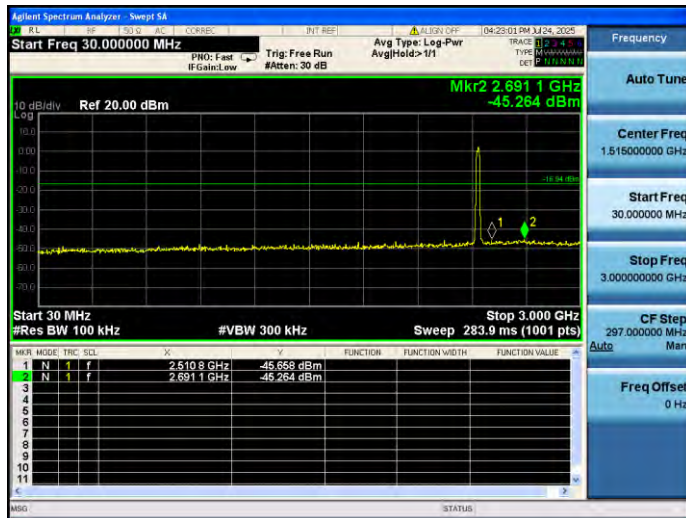
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



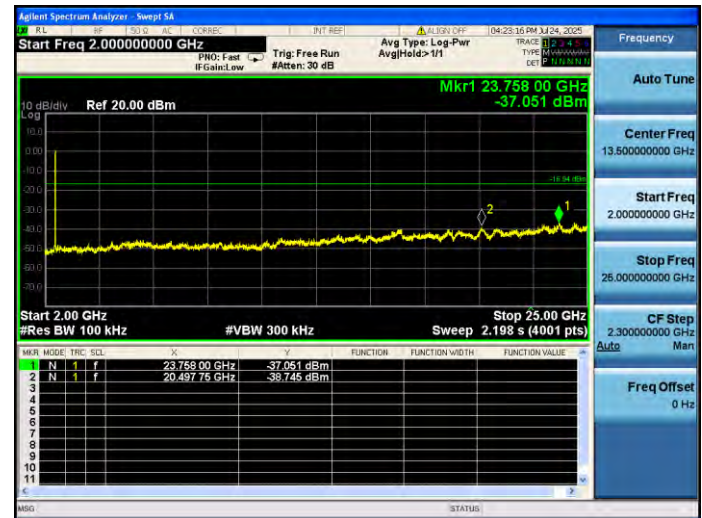
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER
LEVEL

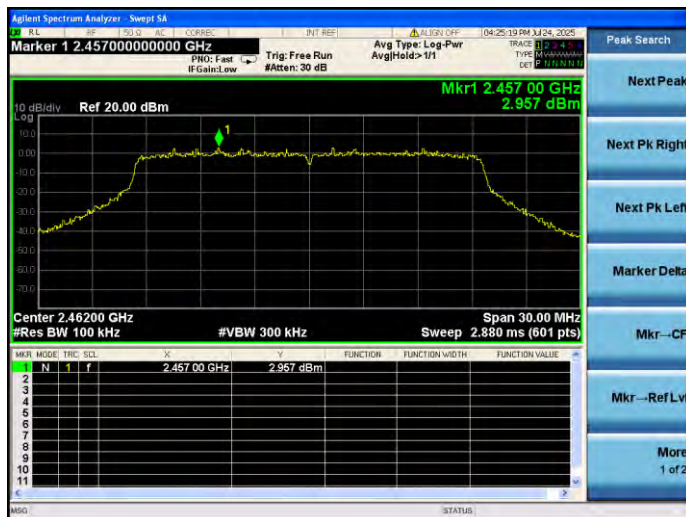
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



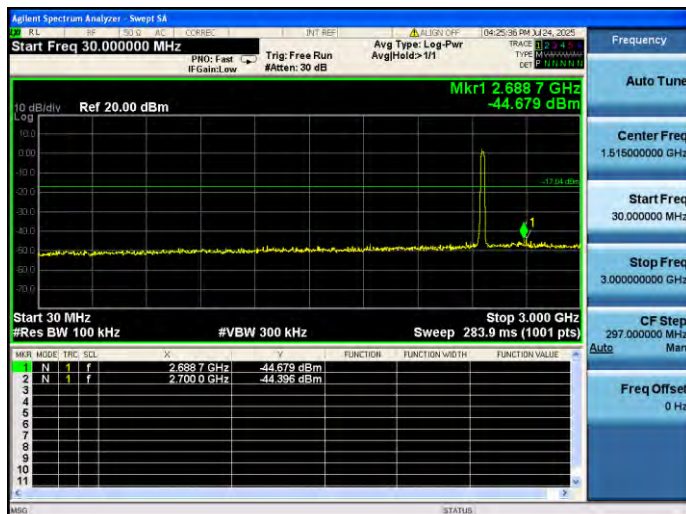
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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



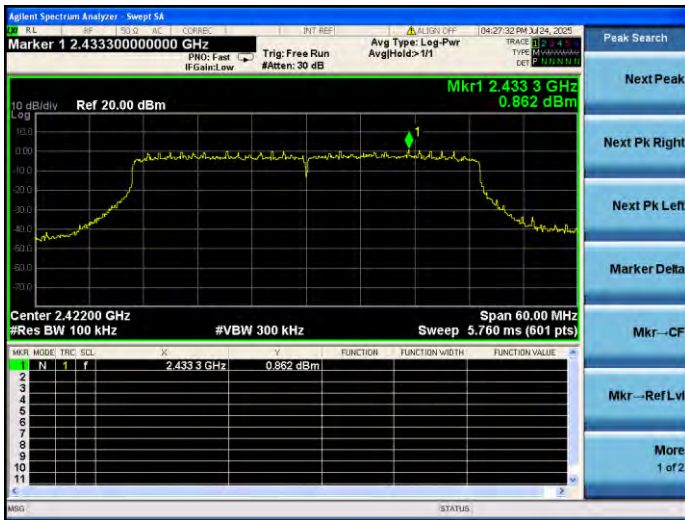
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



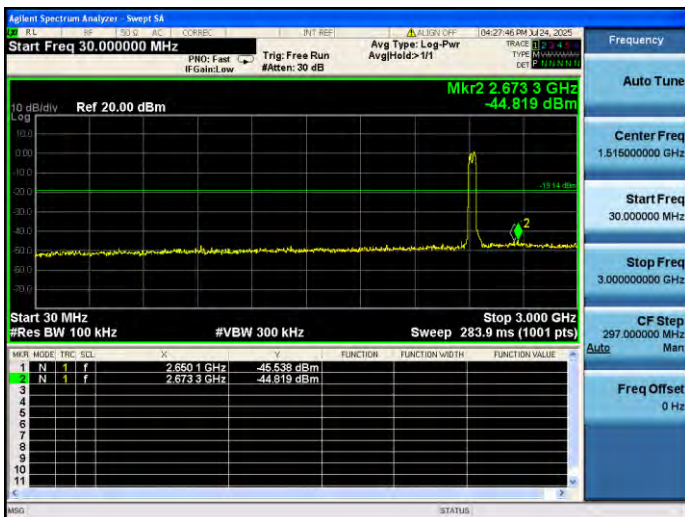
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



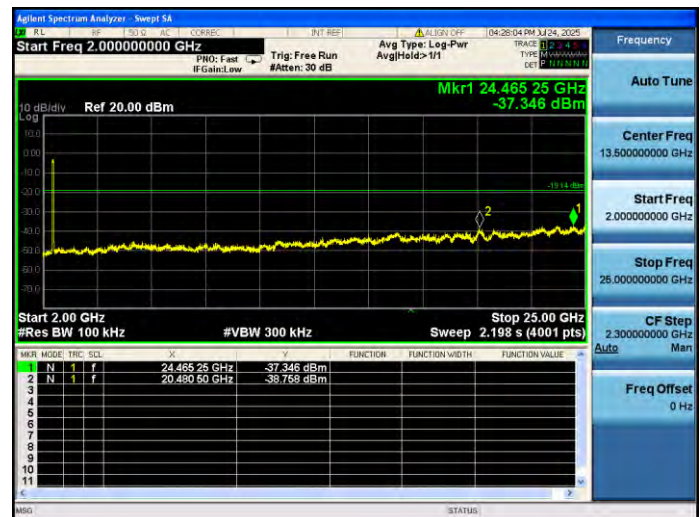
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL



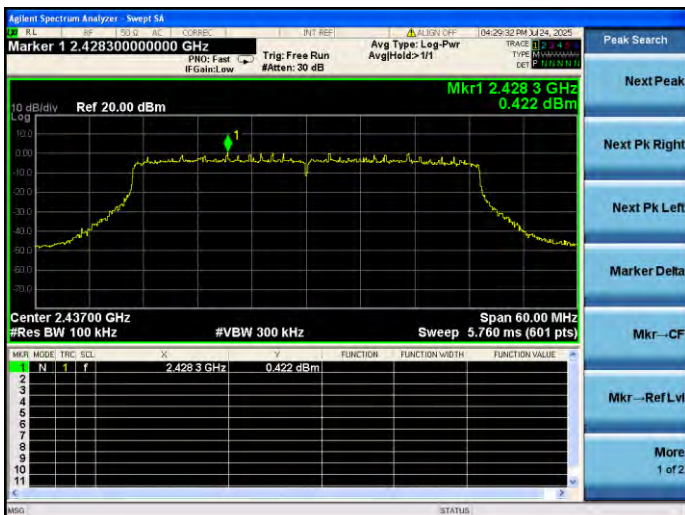
802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



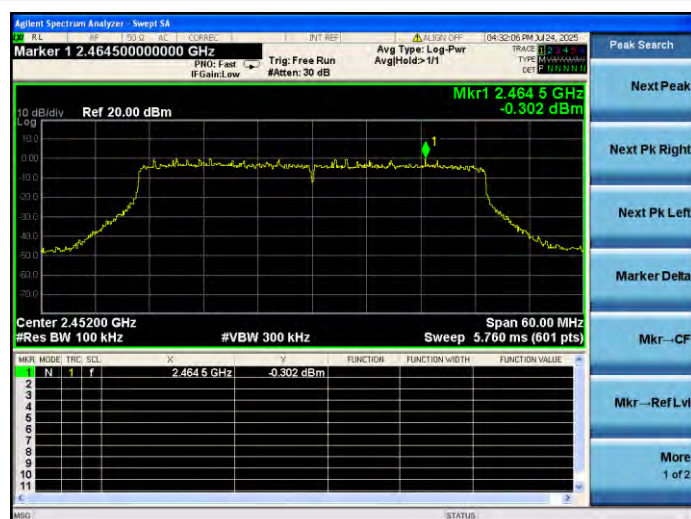
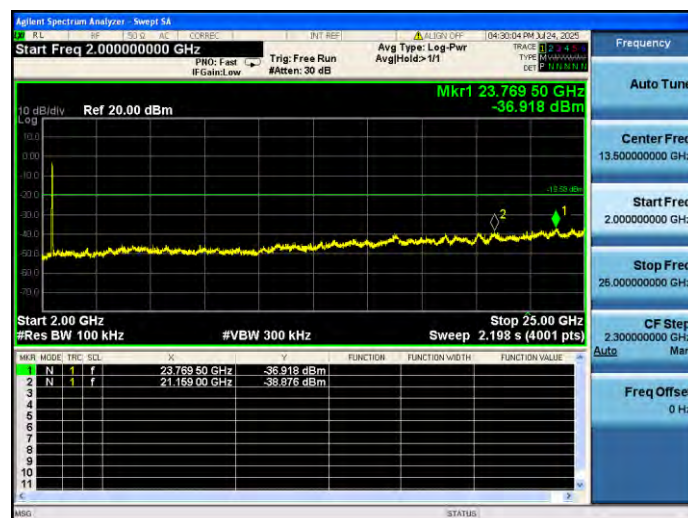
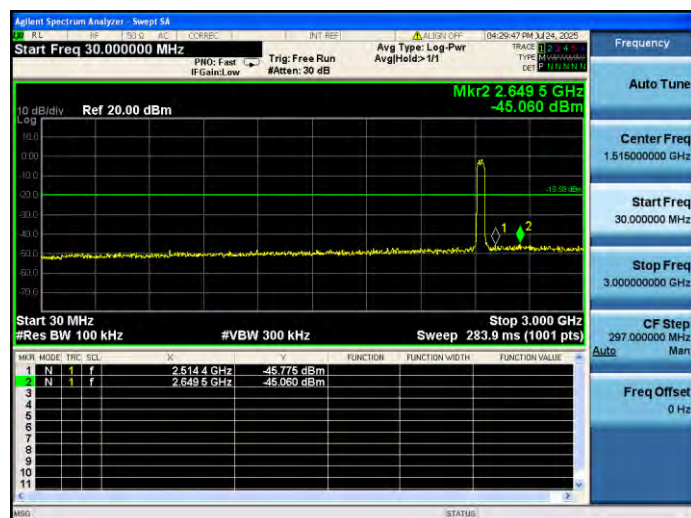
802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



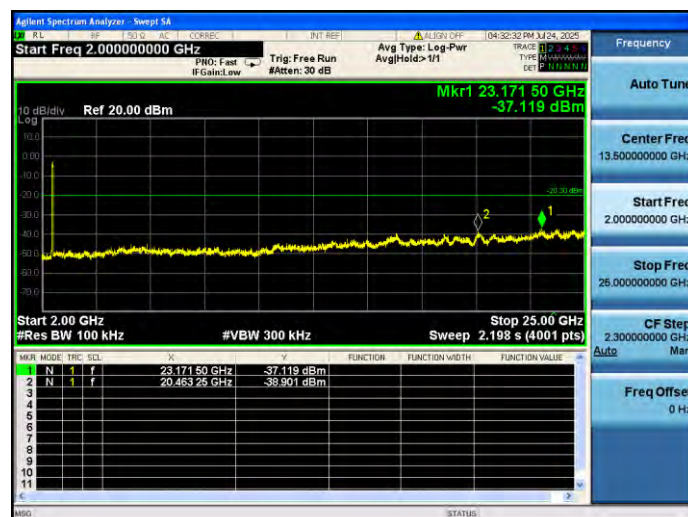
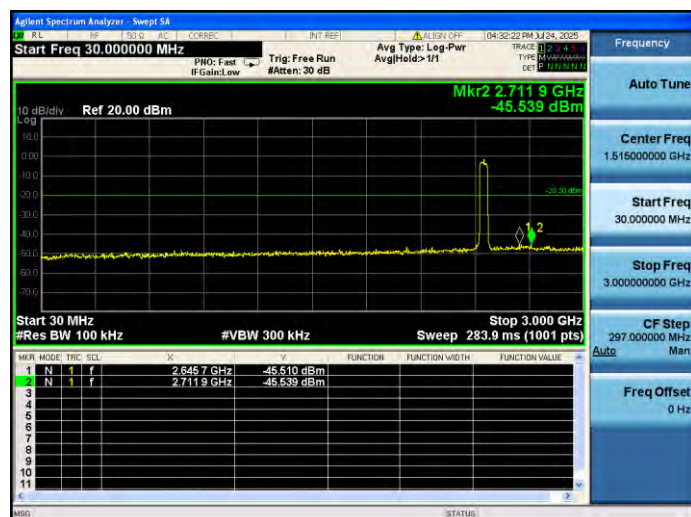
802.11ax-40 MHz(SU) MIDDLE CHANNEL CARRIER LEVEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



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

Note¹: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-Antenna 5

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.19	9.53	-10.47	Pass
High Channel	-44.92	9.08	-10.92	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-28.69	4.31	-15.69	Pass
High Channel	-45.02	4.02	-15.98	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-27.62	3.59	-16.41	Pass
High Channel	-43.85	3.78	-16.22	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-30.64	0.79	-19.21	Pass
High Channel	-44.80	0.96	-19.04	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	-30.76	2.22	-17.78	Pass
High Channel	-47.73	2.12	-17.88	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	-32.85	-0.47	-20.47	Pass
High Channel	-48.12	-0.83	-20.83	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



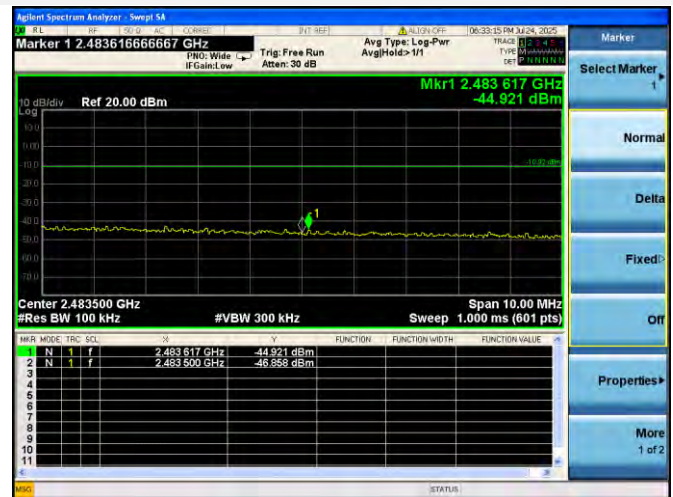
802.11b LOW CHANNEL, BAND EDGE



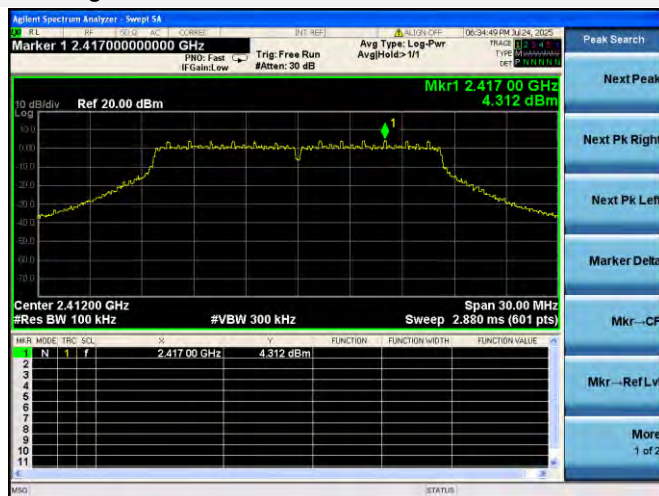
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



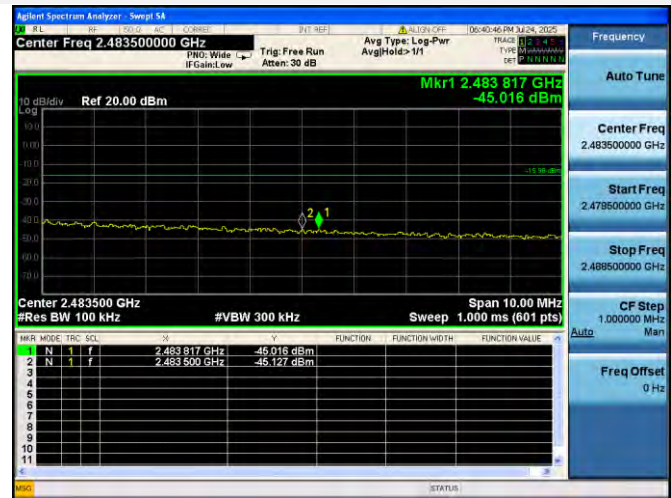
802.11g LOW CHANNEL, BAND EDGE



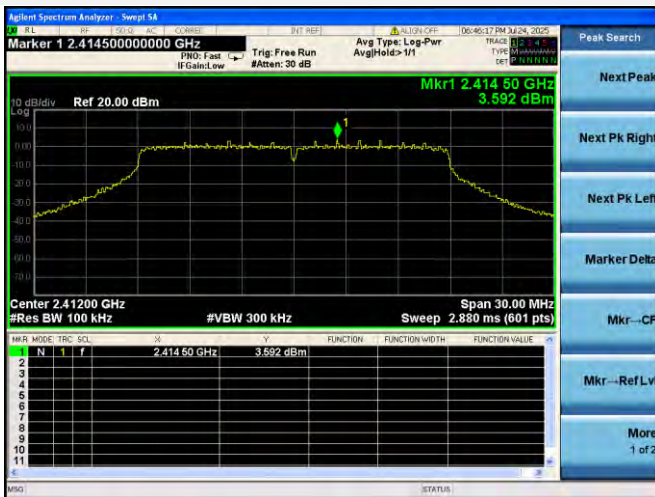
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



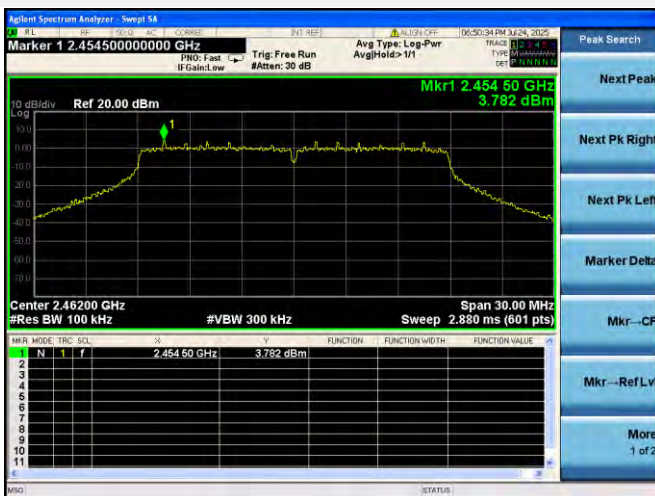
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



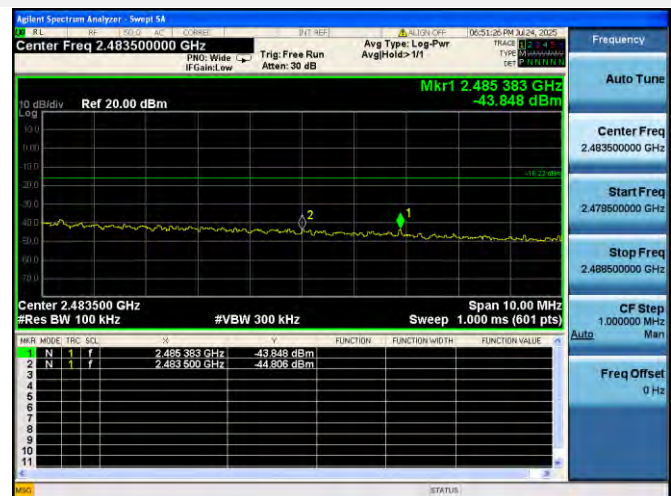
802.11n-20 MHz LOW CHANNEL, BAND EDGE



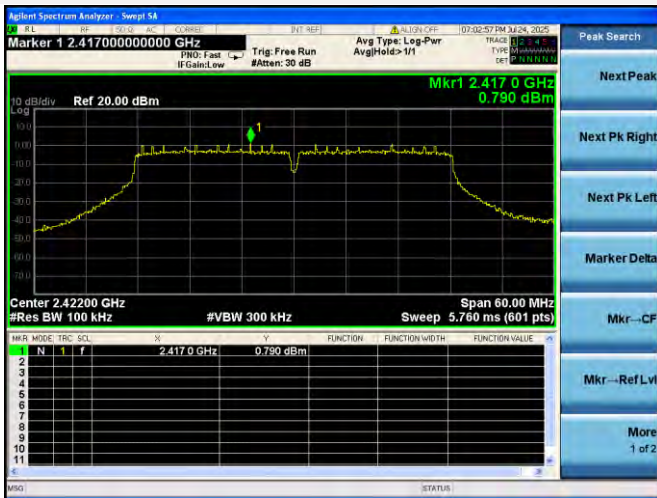
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



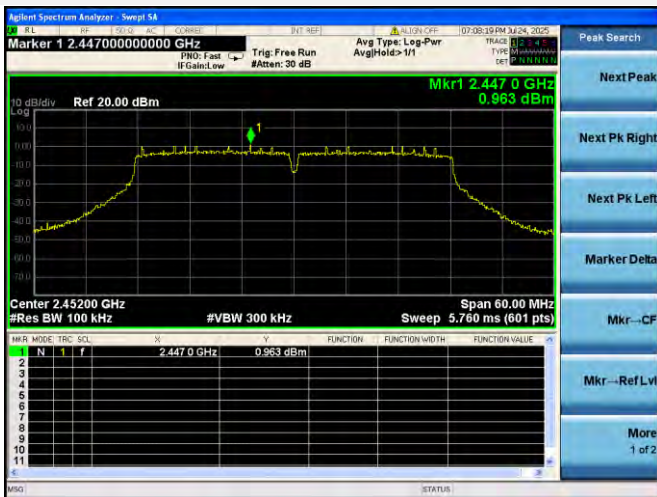
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



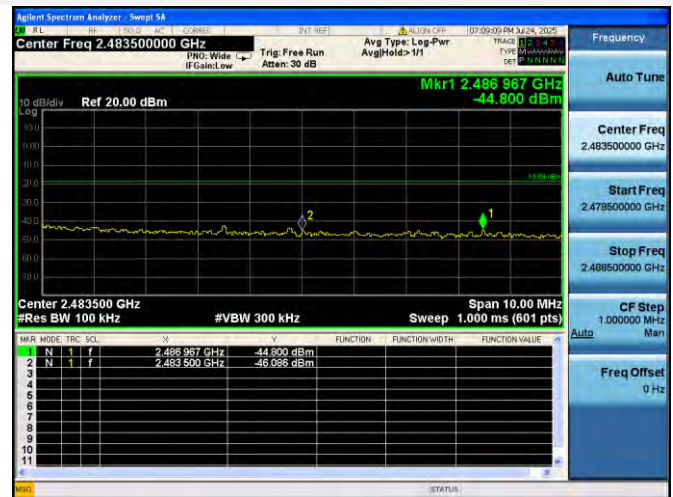
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



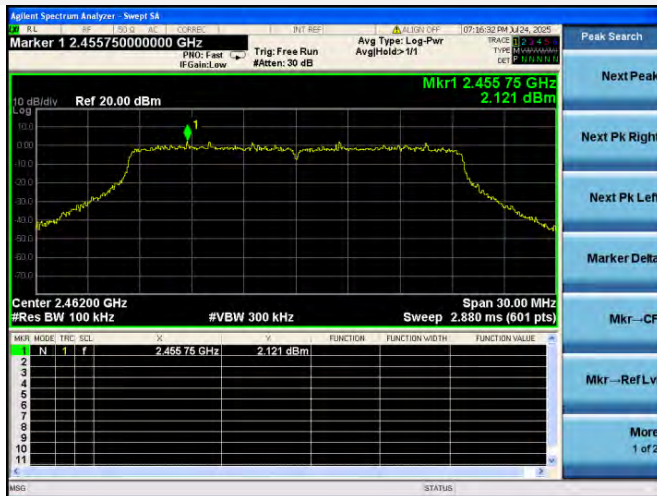
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



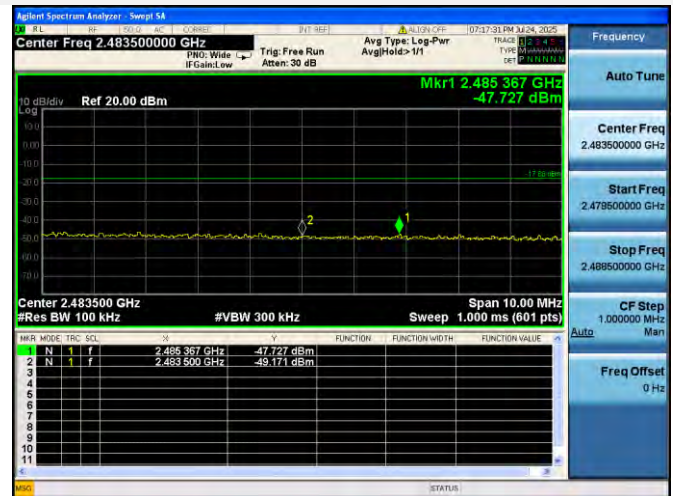
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



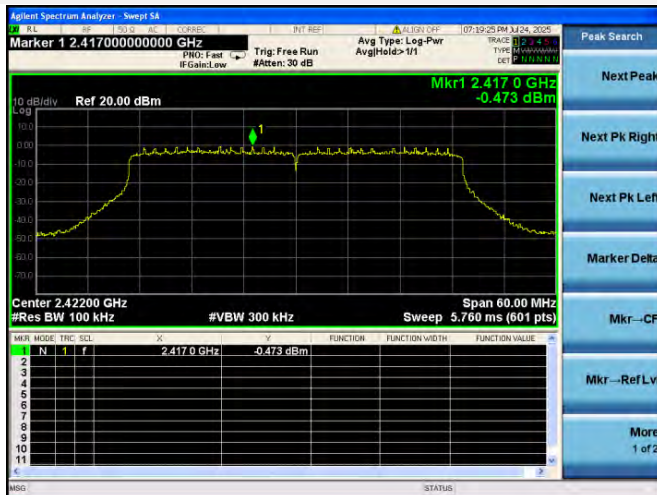
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



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



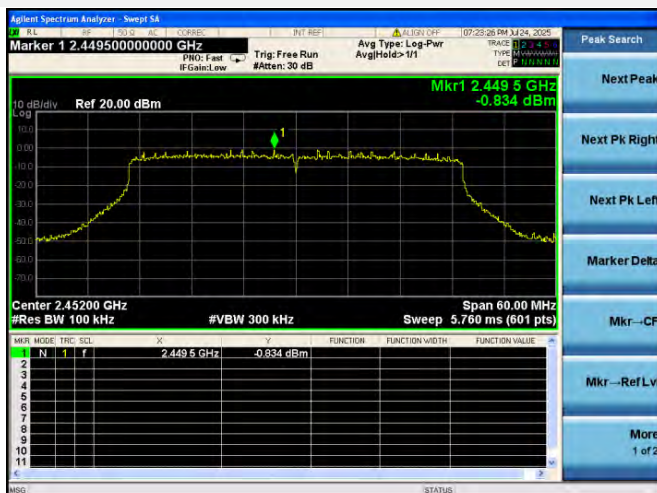
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



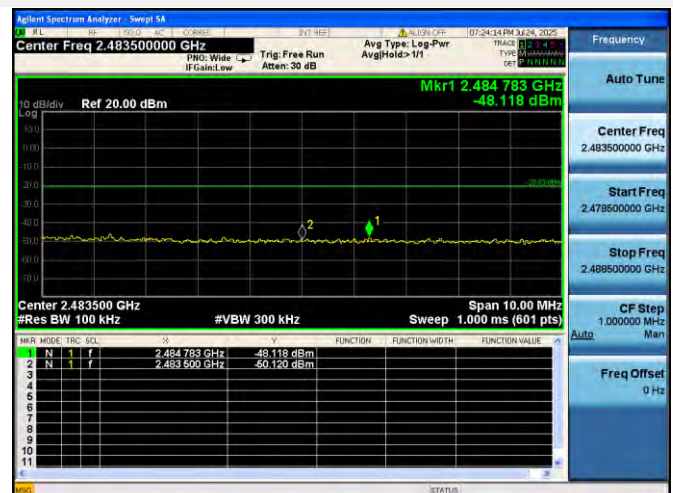
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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



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



SISO-Antenna 6Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.12	8.66	-11.35	Pass
High Channel	-45.17	8.99	-11.02	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-27.36	4.95	-15.05	Pass
High Channel	-43.50	4.82	-15.18	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-25.42	4.40	-15.60	Pass
High Channel	-44.32	4.46	-15.54	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-30.29	1.68	-18.32	Pass
High Channel	-37.76	1.41	-18.59	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	-29.76	3.53	-16.48	Pass
High Channel	-47.35	2.96	-17.04	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	-30.84	0.86	-19.14	Pass
High Channel	-42.41	-0.30	-20.30	Pass

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



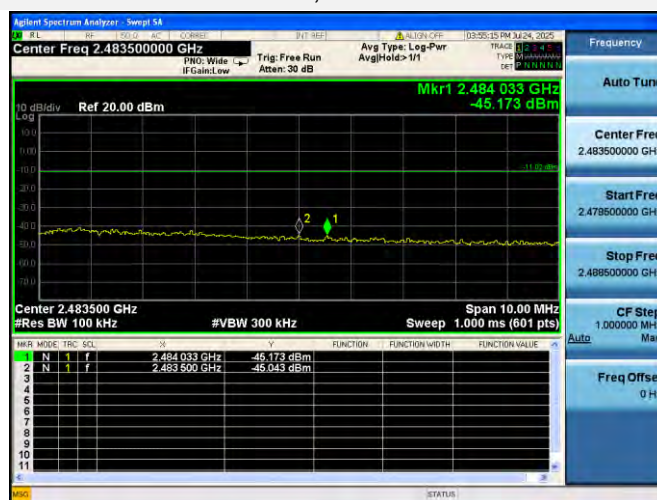
802.11b LOW CHANNEL, BAND EDGE



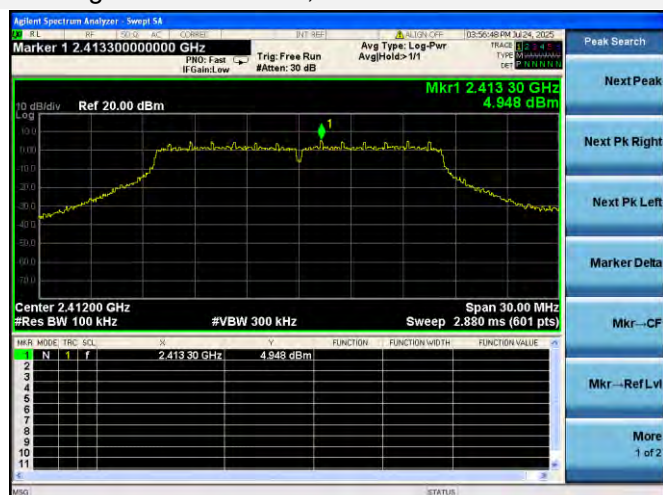
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



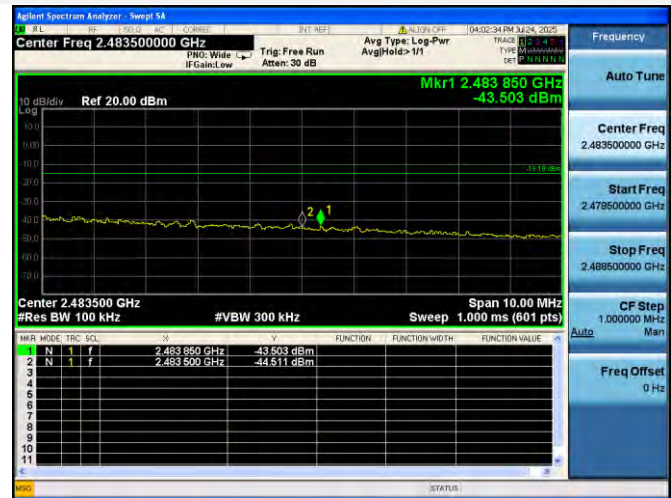
802.11g LOW CHANNEL, BAND EDGE



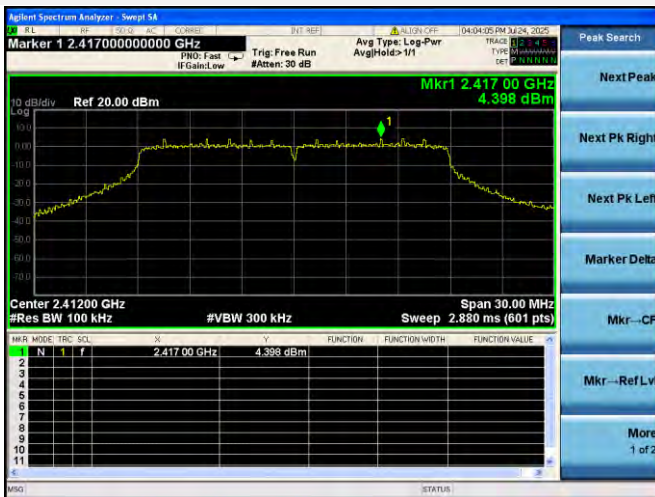
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



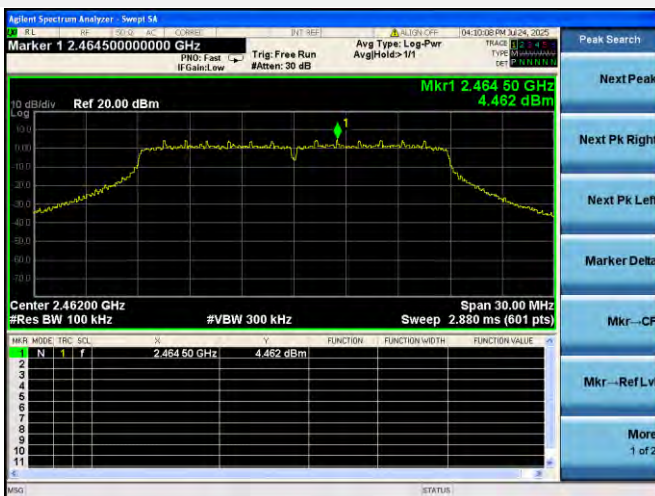
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



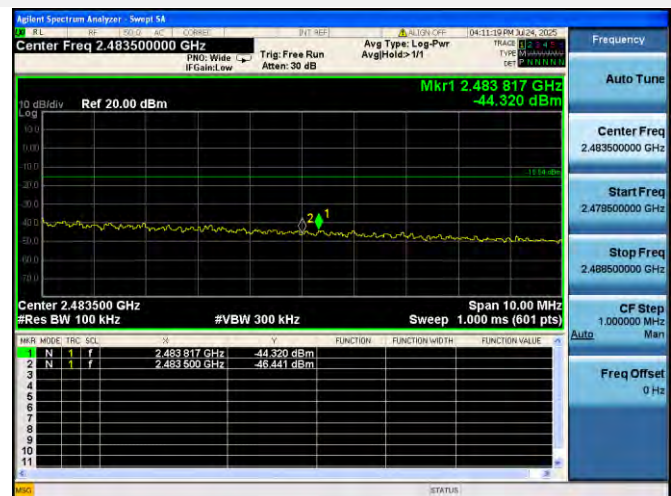
802.11n-20 MHz LOW CHANNEL, BAND EDGE



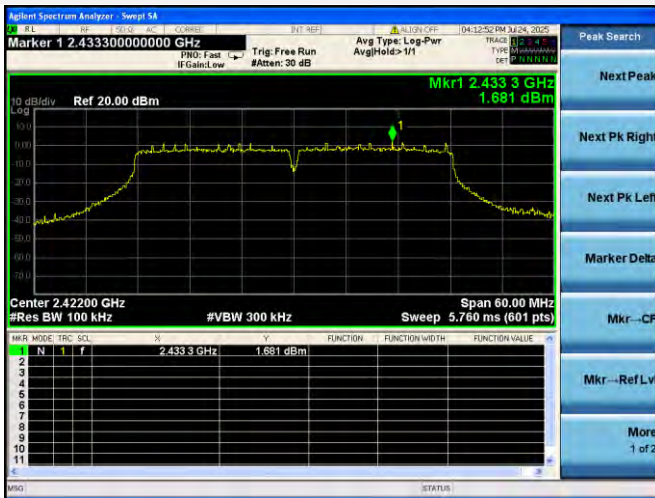
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



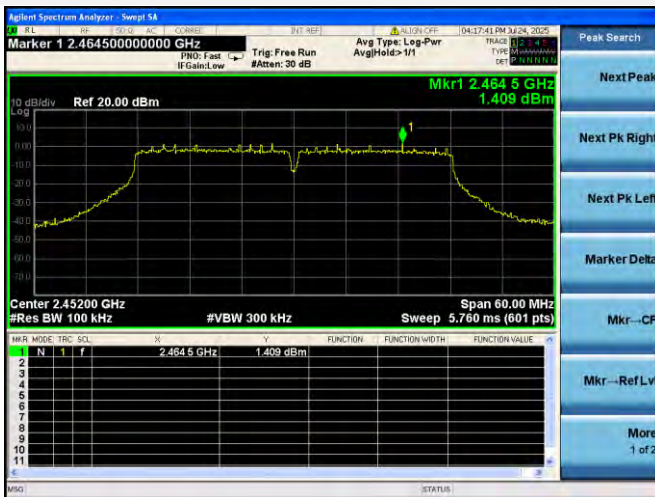
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



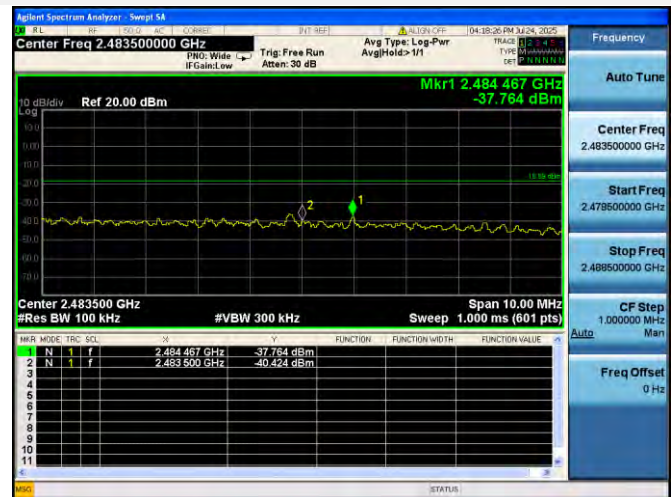
802.11n-40 MHz LOW CHANNEL, BAND EDGE



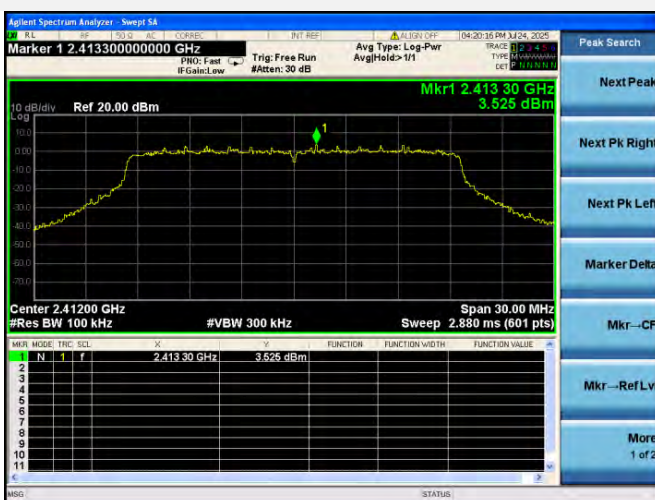
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



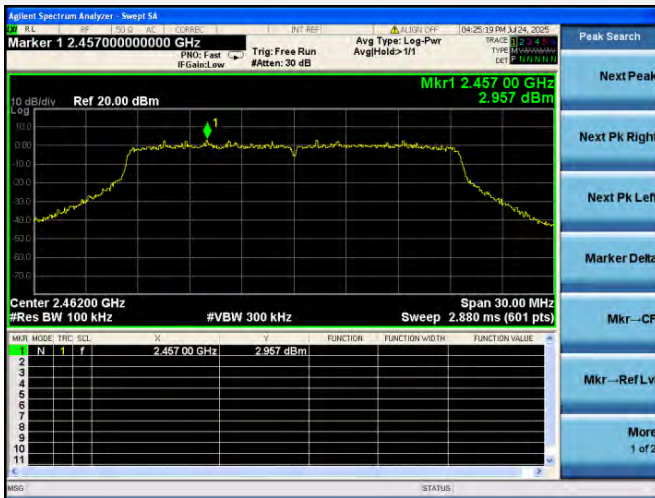
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



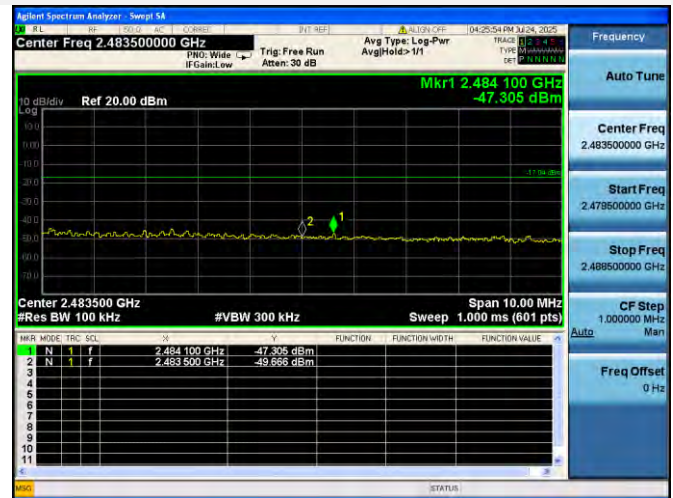
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



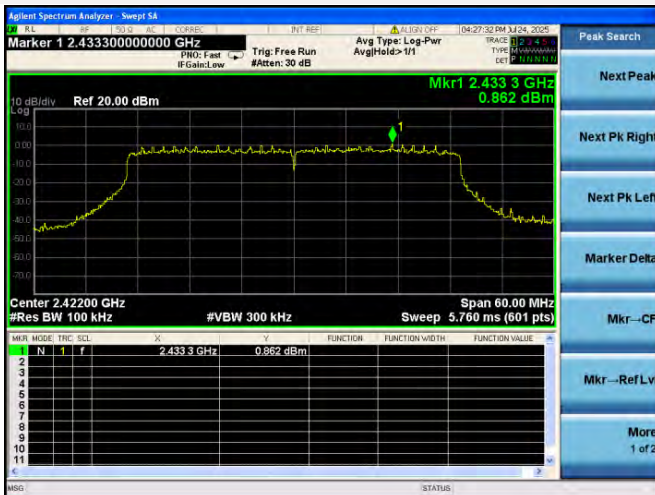
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



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



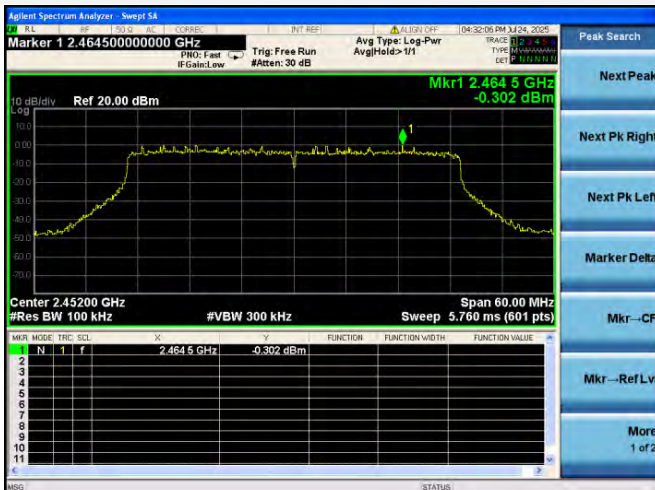
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



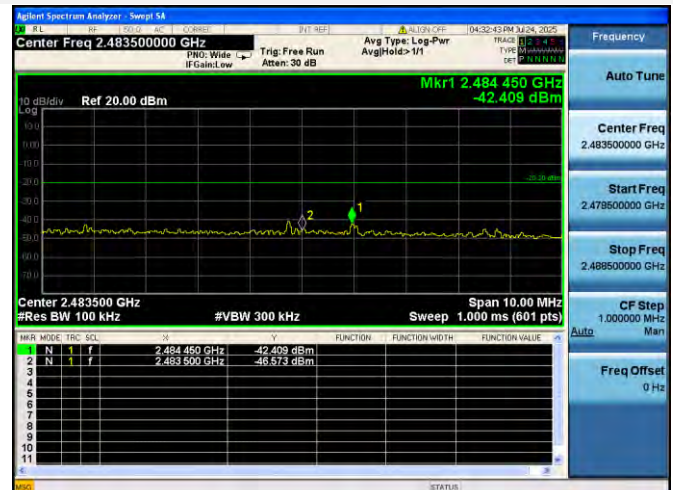
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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.

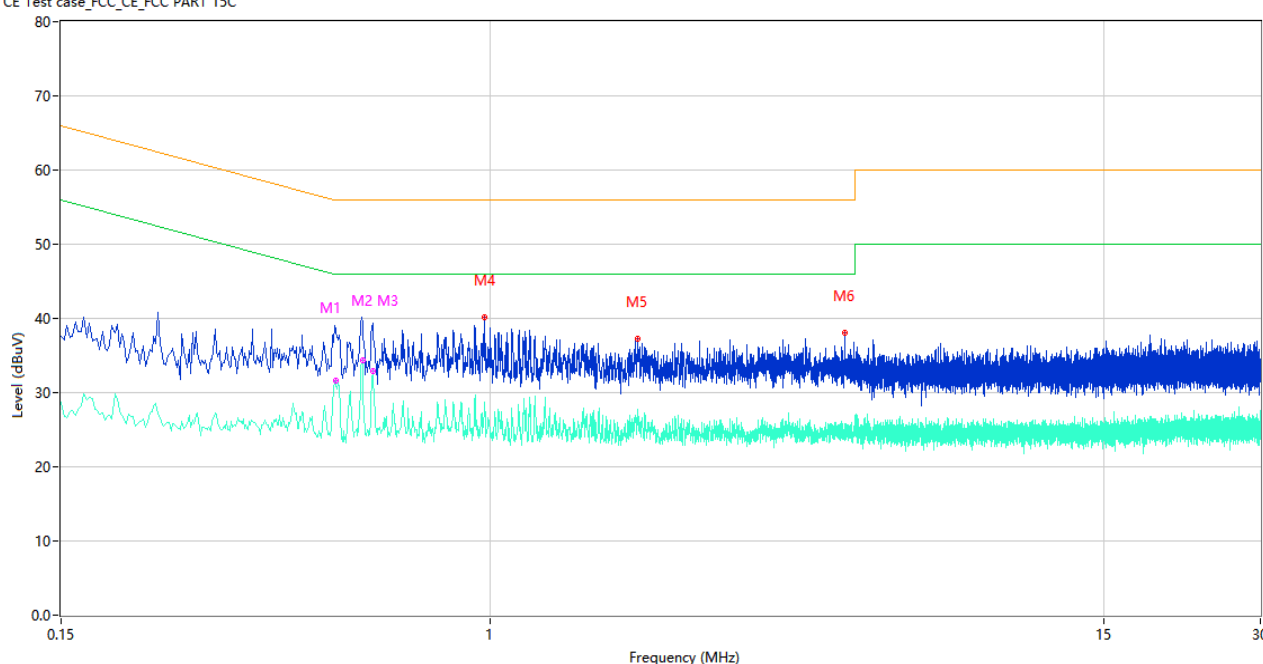
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

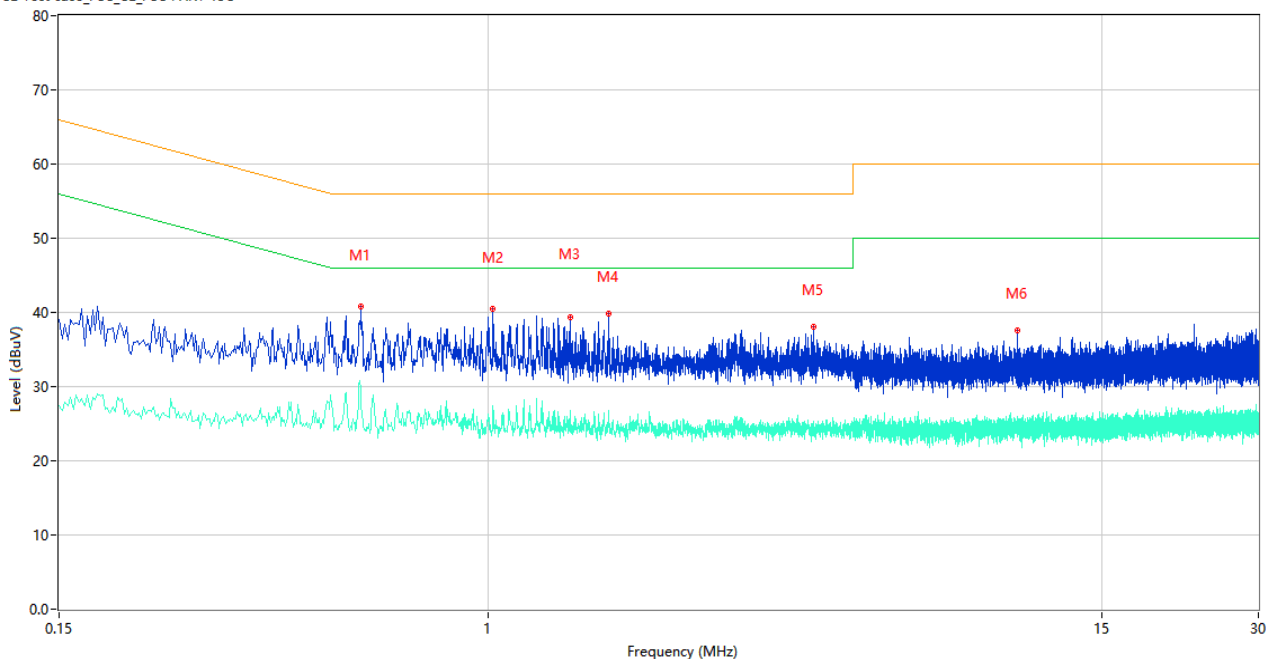
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.504	38.72	10.04	56.00	17.28	Peak	L	Pass
1**	0.504	31.64	10.04	46.00	14.36	AV	L	Pass
2	0.568	39.42	10.14	56.00	16.58	Peak	L	Pass
2**	0.568	34.34	10.14	46.00	11.66	AV	L	Pass
3	0.594	39.33	10.21	56.00	16.67	Peak	L	Pass
3**	0.594	32.93	10.21	46.00	13.07	AV	L	Pass
4	0.972	40.10	10.08	56.00	15.90	Peak	L	Pass
4**	0.972	27.88	10.08	46.00	18.12	AV	L	Pass
5	1.914	37.22	10.61	56.00	18.78	Peak	L	Pass
5**	1.914	27.07	10.61	46.00	18.93	AV	L	Pass
6	4.778	38.00	9.89	56.00	18.00	Peak	L	Pass
6**	4.778	25.81	9.89	46.00	20.19	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.570	40.73	10.14	56.00	15.27	Peak	N	Pass
1**	0.570	27.91	10.14	46.00	18.09	AV	N	Pass
2	1.020	40.54	10.12	56.00	15.46	Peak	N	Pass
2**	1.020	27.47	10.12	46.00	18.53	AV	N	Pass
3	1.436	39.43	10.03	56.00	16.57	Peak	N	Pass
3**	1.436	26.83	10.03	46.00	19.17	AV	N	Pass
4	1.704	39.78	10.25	56.00	16.22	Peak	N	Pass
4**	1.704	26.18	10.25	46.00	19.82	AV	N	Pass
5	4.210	38.13	10.10	56.00	17.87	Peak	N	Pass
5**	4.210	24.42	10.10	46.00	21.58	AV	N	Pass
6	10.326	37.59	10.56	60.00	22.41	Peak	N	Pass
6**	10.326	25.23	10.56	50.00	24.77	AV	N	Pass

A.6 Radiated Emission

Note¹: The symbol of “--” in the table which means not application.

Note²: 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.

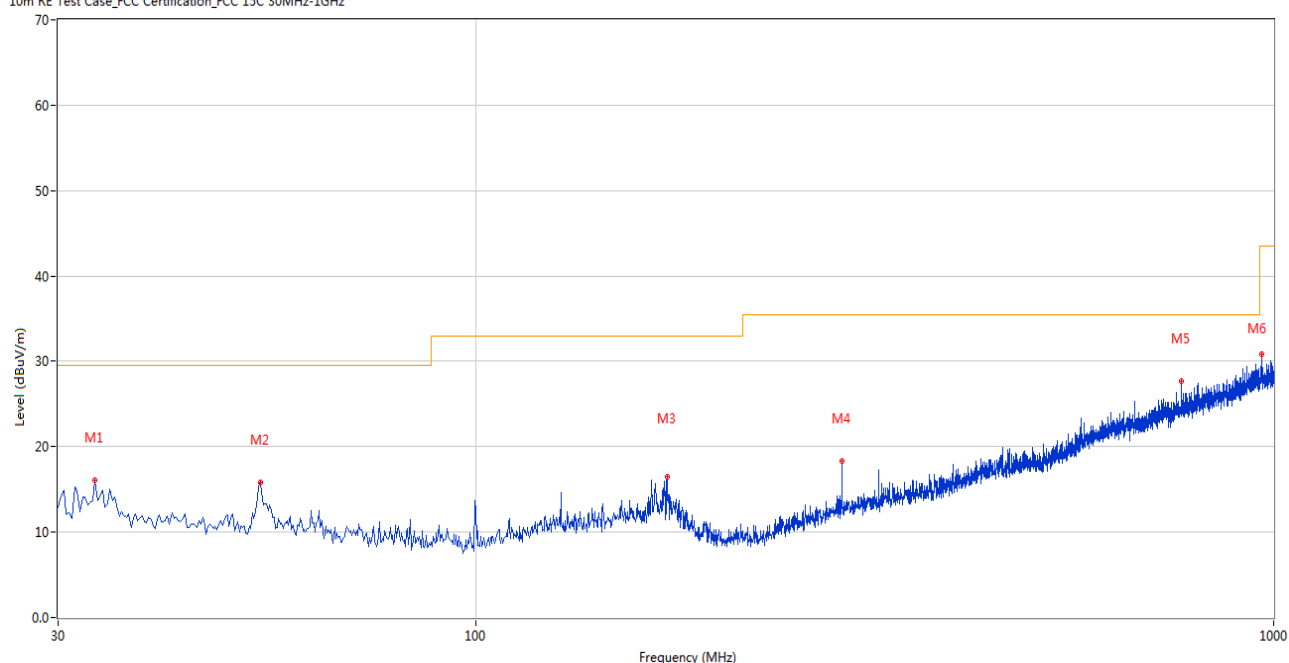
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: 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

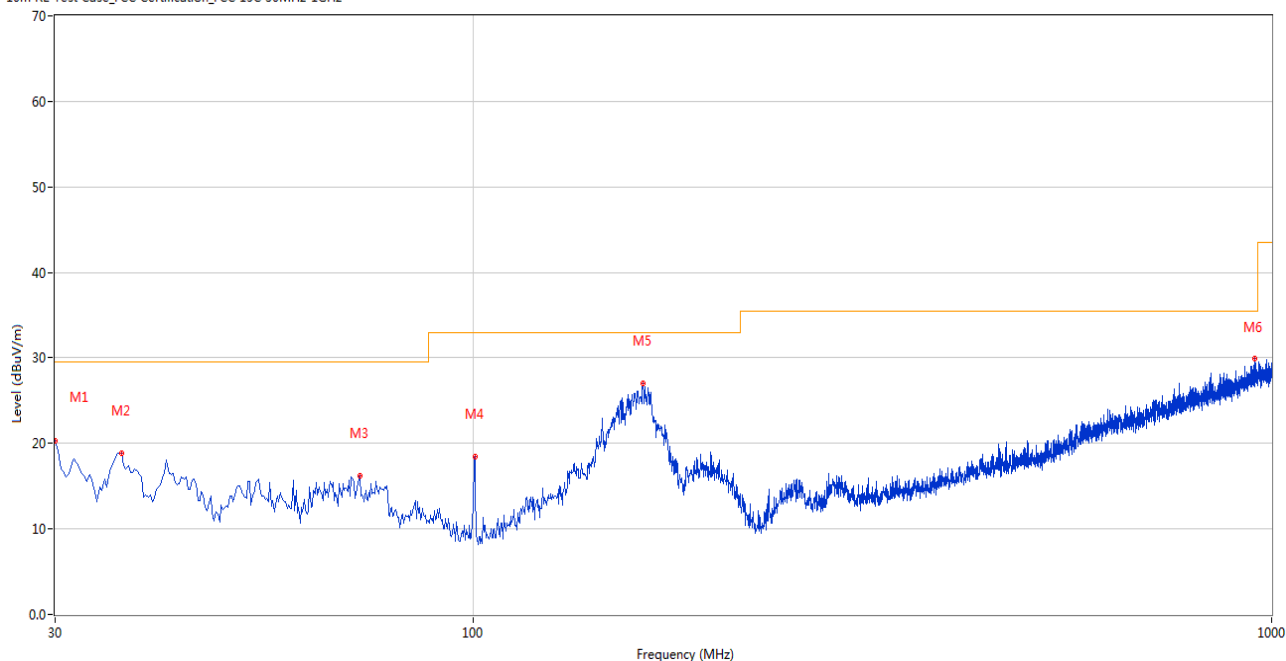
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.394	16.15	-26.96	29.5	13.35	Peak	360.00	200	Horizontal	Pass
2	53.759	15.77	-27.06	29.5	13.73	Peak	282.00	100	Horizontal	Pass
3	173.767	16.52	-27.23	33.0	16.48	Peak	194.00	200	Horizontal	Pass
4	287.956	18.32	-25.91	35.5	17.18	Peak	297.00	200	Horizontal	Pass
5	766.288	27.67	-13.29	35.5	7.83	Peak	360.00	200	Horizontal	Pass
6	966.058	30.81	-9.18	43.5	12.69	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.000	20.29	-26.83	29.5	9.21	Peak	220.00	100	Vertical	Pass
2	36.303	18.90	-27.13	29.5	10.60	Peak	161.00	100	Vertical	Pass
3	72.184	16.16	-29.29	29.5	13.34	Peak	360.00	200	Vertical	Pass
4	100.550	18.46	-29.95	33.0	14.54	Peak	360.00	200	Vertical	Pass
5	163.342	27.03	-26.26	33.0	5.97	Peak	253.00	100	Vertical	Pass
6	951.270	29.88	-9.58	35.5	5.62	Peak	360.00	200	Vertical	Pass

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

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

Note ³: All antenna were pre tested, but only the worst case has been reported in this report.

Note ⁴: 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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.537	42.50	74.0	31.50	Peak	308.00	100	Horizontal	Pass
1**	1326.537	33.79	54.0	20.21	AV	308.00	100	Horizontal	Pass
2	2992.712	52.41	74.0	21.59	Peak	314.00	200	Horizontal	Pass
2**	2992.712	41.27	54.0	12.73	AV	314.00	200	Horizontal	Pass
3	4935.649	52.98	74.0	21.02	Peak	209.00	200	Horizontal	Pass
3**	4935.649	42.21	54.0	11.79	AV	209.00	200	Horizontal	Pass
4	6809.827	53.59	74.0	20.41	Peak	134.00	300	Horizontal	Pass
4**	6809.827	46.42	54.0	7.58	AV	134.00	300	Horizontal	Pass
5	13412.552	52.70	74.0	21.30	Peak	153.00	200	Horizontal	Pass
5**	13412.552	43.73	54.0	10.27	AV	153.00	200	Horizontal	Pass
6	17429.004	56.65	74.0	17.35	Peak	177.00	100	Horizontal	Pass
6**	17429.004	48.76	54.0	5.24	AV	177.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.486	45.08	74.0	28.92	Peak	325.00	200	Vertical	Pass
1**	1334.486	38.05	54.0	15.95	AV	325.00	200	Vertical	Pass
2	2980.871	53.27	74.0	20.73	Peak	30.00	200	Vertical	Pass
2**	2980.871	41.36	54.0	12.64	AV	30.00	200	Vertical	Pass
3	4851.901	49.55	74.0	24.45	Peak	313.00	200	Vertical	Pass
3**	4851.901	42.30	54.0	11.70	AV	313.00	200	Vertical	Pass
4	6608.693	51.92	74.0	22.08	Peak	193.00	300	Vertical	Pass
4**	6608.693	47.51	54.0	6.49	AV	193.00	300	Vertical	Pass
5	13432.887	53.49	74.0	20.51	Peak	4.00	300	Vertical	Pass
5**	13432.887	45.20	54.0	8.80	AV	4.00	300	Vertical	Pass
6	17416.241	56.01	74.0	17.99	Peak	320.00	300	Vertical	Pass
6**	17416.241	46.68	54.0	7.32	AV	320.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.682	46.81	74.0	27.19	Peak	13.00	200	Horizontal	Pass
1**	1332.682	37.32	54.0	16.68	AV	13.00	200	Horizontal	Pass
2	2997.925	47.31	74.0	26.69	Peak	157.00	200	Horizontal	Pass
2**	2997.925	41.18	54.0	12.82	AV	157.00	200	Horizontal	Pass
3	4936.873	52.58	74.0	21.42	Peak	166.00	200	Horizontal	Pass
3**	4936.873	43.49	54.0	10.51	AV	166.00	200	Horizontal	Pass
4	6806.556	57.13	74.0	16.87	Peak	53.00	400	Horizontal	Pass
4**	6806.556	46.20	54.0	7.80	AV	53.00	400	Horizontal	Pass
5	13410.783	53.36	74.0	20.64	Peak	359.00	200	Horizontal	Pass
5**	13410.783	48.92	54.0	5.08	AV	359.00	200	Horizontal	Pass
6	17424.105	53.07	74.0	20.93	Peak	152.00	400	Horizontal	Pass
6**	17424.105	48.14	54.0	5.86	AV	152.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.257	43.73	74.0	30.27	Peak	276.00	300	Vertical	Pass
1**	1334.257	39.84	54.0	14.16	AV	276.00	300	Vertical	Pass
2	2978.846	48.68	74.0	25.32	Peak	22.00	100	Vertical	Pass
2**	2978.846	41.71	54.0	12.29	AV	22.00	100	Vertical	Pass
3	4851.483	47.54	74.0	26.46	Peak	178.00	200	Vertical	Pass
3**	4851.483	38.94	54.0	15.06	AV	178.00	200	Vertical	Pass
4	6603.536	57.23	74.0	16.77	Peak	321.00	300	Vertical	Pass
4**	6603.536	46.03	54.0	7.97	AV	321.00	300	Vertical	Pass
5	13437.775	52.91	74.0	21.09	Peak	222.00	100	Vertical	Pass
5**	13437.775	47.12	54.0	6.88	AV	222.00	100	Vertical	Pass
6	17418.206	57.86	74.0	16.14	Peak	306.00	400	Vertical	Pass
6**	17418.206	49.43	54.0	4.57	AV	306.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.904	42.33	74.0	31.67	Peak	152.00	300	Horizontal	Pass
1**	1327.904	36.40	54.0	17.60	AV	152.00	300	Horizontal	Pass
2	2999.440	52.12	74.0	21.88	Peak	171.00	400	Horizontal	Pass
2**	2999.440	40.62	54.0	13.38	AV	171.00	400	Horizontal	Pass
3	4932.113	50.63	74.0	23.37	Peak	39.00	200	Horizontal	Pass
3**	4932.113	42.73	54.0	11.27	AV	39.00	200	Horizontal	Pass
4	6806.225	53.09	74.0	20.91	Peak	137.00	400	Horizontal	Pass
4**	6806.225	45.40	54.0	8.60	AV	137.00	400	Horizontal	Pass
5	13414.106	57.29	74.0	16.71	Peak	65.00	200	Horizontal	Pass
5**	13414.106	49.46	54.0	4.54	AV	65.00	200	Horizontal	Pass
6	17423.146	58.32	74.0	15.68	Peak	341.00	100	Horizontal	Pass
6**	17423.146	50.00	54.0	4.00	AV	341.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.108	47.75	74.0	26.25	Peak	12.00	100	Vertical	Pass
1**	1333.108	35.06	54.0	18.94	AV	12.00	100	Vertical	Pass
2	2985.806	52.79	74.0	21.21	Peak	285.00	300	Vertical	Pass
2**	2985.806	42.54	54.0	11.46	AV	285.00	300	Vertical	Pass
3	4855.705	49.64	74.0	24.36	Peak	156.00	200	Vertical	Pass
3**	4855.705	42.44	54.0	11.56	AV	156.00	200	Vertical	Pass
4	6609.318	57.15	74.0	16.85	Peak	78.00	200	Vertical	Pass
4**	6609.318	44.21	54.0	9.79	AV	78.00	200	Vertical	Pass
5	13438.435	57.03	74.0	16.97	Peak	11.00	300	Vertical	Pass
5**	13438.435	44.85	54.0	9.15	AV	11.00	300	Vertical	Pass
6	17420.541	56.56	74.0	17.44	Peak	166.00	300	Vertical	Pass
6**	17420.541	45.18	54.0	8.82	AV	166.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.381	42.46	74.0	31.54	Peak	301.00	100	Horizontal	Pass
1**	1333.381	35.17	54.0	18.83	AV	301.00	100	Horizontal	Pass
2	3000.170	49.75	74.0	24.25	Peak	28.00	400	Horizontal	Pass
2**	3000.170	42.22	54.0	11.78	AV	28.00	400	Horizontal	Pass
3	4932.103	49.04	74.0	24.96	Peak	78.00	200	Horizontal	Pass
3**	4932.103	40.64	54.0	13.36	AV	78.00	200	Horizontal	Pass
4	6809.124	54.71	74.0	19.29	Peak	346.00	400	Horizontal	Pass
4**	6809.124	45.42	54.0	8.58	AV	346.00	400	Horizontal	Pass
5	13413.534	54.59	74.0	19.41	Peak	168.00	100	Horizontal	Pass
5**	13413.534	46.12	54.0	7.88	AV	168.00	100	Horizontal	Pass
6	17423.414	58.04	74.0	15.96	Peak	145.00	300	Horizontal	Pass
6**	17423.414	49.90	54.0	4.10	AV	145.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.146	42.33	74.0	31.67	Peak	192.00	200	Vertical	Pass
1**	1331.146	34.76	54.0	19.24	AV	192.00	200	Vertical	Pass
2	2985.535	50.35	74.0	23.65	Peak	358.00	400	Vertical	Pass
2**	2985.535	40.48	54.0	13.52	AV	358.00	400	Vertical	Pass
3	4850.263	51.71	74.0	22.29	Peak	289.00	200	Vertical	Pass
3**	4850.263	37.88	54.0	16.12	AV	289.00	200	Vertical	Pass
4	6604.577	53.92	74.0	20.08	Peak	71.00	100	Vertical	Pass
4**	6604.577	46.97	54.0	7.03	AV	71.00	100	Vertical	Pass
5	13432.048	54.72	74.0	19.28	Peak	315.00	100	Vertical	Pass
5**	13432.048	45.02	54.0	8.98	AV	315.00	100	Vertical	Pass
6	17417.172	59.79	74.0	14.21	Peak	268.00	300	Vertical	Pass
6**	17417.172	46.57	54.0	7.43	AV	268.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.263	44.55	74.0	29.45	Peak	196.00	200	Horizontal	Pass
1**	1330.263	34.98	54.0	19.02	AV	196.00	200	Horizontal	Pass
2	2998.819	48.00	74.0	26.00	Peak	201.00	300	Horizontal	Pass
2**	2998.819	44.42	54.0	9.58	AV	201.00	300	Horizontal	Pass
3	4931.898	49.66	74.0	24.34	Peak	87.00	200	Horizontal	Pass
3**	4931.898	44.08	54.0	9.92	AV	87.00	200	Horizontal	Pass
4	6808.120	56.92	74.0	17.08	Peak	125.00	100	Horizontal	Pass
4**	6808.120	42.16	54.0	11.84	AV	125.00	100	Horizontal	Pass
5	13409.265	54.43	74.0	19.57	Peak	40.00	300	Horizontal	Pass
5**	13409.265	48.65	54.0	5.35	AV	40.00	300	Horizontal	Pass
6	17428.962	53.42	74.0	20.58	Peak	89.00	400	Horizontal	Pass
6**	17428.962	48.24	54.0	5.76	AV	89.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.227	45.66	74.0	28.34	Peak	143.00	200	Vertical	Pass
1**	1334.227	36.98	54.0	17.02	AV	143.00	200	Vertical	Pass
2	2979.469	53.26	74.0	20.74	Peak	21.00	300	Vertical	Pass
2**	2979.469	44.62	54.0	9.38	AV	21.00	300	Vertical	Pass
3	4854.261	50.78	74.0	23.22	Peak	271.00	200	Vertical	Pass
3**	4854.261	38.39	54.0	15.61	AV	271.00	200	Vertical	Pass
4	6606.684	51.94	74.0	22.06	Peak	315.00	100	Vertical	Pass
4**	6606.684	47.02	54.0	6.98	AV	315.00	100	Vertical	Pass
5	13432.119	54.80	74.0	19.20	Peak	4.00	400	Vertical	Pass
5**	13432.119	44.20	54.0	9.80	AV	4.00	400	Vertical	Pass
6	17419.015	56.72	74.0	17.28	Peak	349.00	300	Vertical	Pass
6**	17419.015	45.57	54.0	8.43	AV	349.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.154	42.10	74.0	31.90	Peak	305.00	100	Horizontal	Pass
1**	1332.154	35.56	54.0	18.44	AV	305.00	100	Horizontal	Pass
2	2997.793	51.86	74.0	22.14	Peak	24.00	100	Horizontal	Pass
2**	2997.793	39.27	54.0	14.73	AV	24.00	100	Horizontal	Pass
3	4933.467	49.54	74.0	24.46	Peak	56.00	200	Horizontal	Pass
3**	4933.467	38.86	54.0	15.14	AV	56.00	200	Horizontal	Pass
4	6809.785	53.46	74.0	20.54	Peak	93.00	200	Horizontal	Pass
4**	6809.785	44.11	54.0	9.89	AV	93.00	200	Horizontal	Pass
5	13408.399	57.44	74.0	16.56	Peak	90.00	200	Horizontal	Pass
5**	13408.399	48.37	54.0	5.63	AV	90.00	200	Horizontal	Pass
6	17426.064	58.57	74.0	15.43	Peak	157.00	100	Horizontal	Pass
6**	17426.064	46.41	54.0	7.59	AV	157.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.031	45.07	74.0	28.93	Peak	304.00	200	Vertical	Pass
1**	1331.031	36.41	54.0	17.59	AV	304.00	200	Vertical	Pass
2	2981.714	52.11	74.0	21.89	Peak	79.00	100	Vertical	Pass
2**	2981.714	39.39	54.0	14.61	AV	79.00	100	Vertical	Pass
3	4851.280	50.12	74.0	23.88	Peak	238.00	200	Vertical	Pass
3**	4851.280	41.97	54.0	12.03	AV	238.00	200	Vertical	Pass
4	6608.638	56.71	74.0	17.29	Peak	232.00	400	Vertical	Pass
4**	6608.638	45.43	54.0	8.57	AV	232.00	400	Vertical	Pass
5	13438.810	56.62	74.0	17.38	Peak	226.00	400	Vertical	Pass
5**	13438.810	44.12	54.0	9.88	AV	226.00	400	Vertical	Pass
6	17419.618	57.03	74.0	16.97	Peak	323.00	100	Vertical	Pass
6**	17419.618	49.02	54.0	4.98	AV	323.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.607	43.52	74.0	30.48	Peak	45.00	300	Horizontal	Pass
1**	1332.607	38.85	54.0	15.15	AV	45.00	300	Horizontal	Pass
2	2993.284	49.23	74.0	24.77	Peak	20.00	300	Horizontal	Pass
2**	2993.284	43.05	54.0	10.95	AV	20.00	300	Horizontal	Pass
3	4938.303	50.22	74.0	23.78	Peak	146.00	200	Horizontal	Pass
3**	4938.303	39.28	54.0	14.72	AV	146.00	200	Horizontal	Pass
4	6807.517	53.29	74.0	20.71	Peak	109.00	100	Horizontal	Pass
4**	6807.517	46.02	54.0	7.98	AV	109.00	100	Horizontal	Pass
5	13410.982	53.71	74.0	20.29	Peak	149.00	300	Horizontal	Pass
5**	13410.982	48.87	54.0	5.13	AV	149.00	300	Horizontal	Pass
6	17429.171	53.71	74.0	20.29	Peak	321.00	400	Horizontal	Pass
6**	17429.171	49.39	54.0	4.61	AV	321.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.331	48.18	74.0	25.82	Peak	136.00	400	Vertical	Pass
1**	1329.331	35.07	54.0	18.93	AV	136.00	400	Vertical	Pass
2	2981.279	50.88	74.0	23.12	Peak	276.00	100	Vertical	Pass
2**	2981.279	40.41	54.0	13.59	AV	276.00	100	Vertical	Pass
3	4856.613	48.76	74.0	25.24	Peak	304.00	200	Vertical	Pass
3**	4856.613	40.02	54.0	13.98	AV	304.00	200	Vertical	Pass
4	6603.828	56.46	74.0	17.54	Peak	249.00	400	Vertical	Pass
4**	6603.828	47.45	54.0	6.55	AV	249.00	400	Vertical	Pass
5	13437.703	55.31	74.0	18.69	Peak	130.00	200	Vertical	Pass
5**	13437.703	43.69	54.0	10.31	AV	130.00	200	Vertical	Pass
6	17417.212	58.01	74.0	15.99	Peak	88.00	300	Vertical	Pass
6**	17417.212	50.19	54.0	3.81	AV	88.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.405	46.16	74.0	27.84	Peak	87.00	100	Horizontal	Pass
1**	1333.405	37.67	54.0	16.33	AV	87.00	100	Horizontal	Pass
2	2995.029	51.59	74.0	22.41	Peak	42.00	400	Horizontal	Pass
2**	2995.029	42.35	54.0	11.65	AV	42.00	400	Horizontal	Pass
3	4931.625	53.88	74.0	20.12	Peak	335.00	200	Horizontal	Pass
3**	4931.625	42.07	54.0	11.93	AV	335.00	200	Horizontal	Pass
4	6809.642	54.51	74.0	19.49	Peak	195.00	300	Horizontal	Pass
4**	6809.642	46.24	54.0	7.76	AV	195.00	300	Horizontal	Pass
5	13410.197	54.49	74.0	19.51	Peak	273.00	400	Horizontal	Pass
5**	13410.197	45.61	54.0	8.39	AV	273.00	400	Horizontal	Pass
6	17428.764	56.16	74.0	17.84	Peak	118.00	100	Horizontal	Pass
6**	17428.764	50.10	54.0	3.90	AV	118.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.447	45.03	74.0	28.97	Peak	283.00	300	Vertical	Pass
1**	1329.447	36.57	54.0	17.43	AV	283.00	300	Vertical	Pass
2	2981.462	50.93	74.0	23.07	Peak	91.00	400	Vertical	Pass
2**	2981.462	39.67	54.0	14.33	AV	91.00	400	Vertical	Pass
3	4850.473	50.25	74.0	23.75	Peak	217.00	200	Vertical	Pass
3**	4850.473	42.00	54.0	12.00	AV	217.00	200	Vertical	Pass
4	6609.477	57.20	74.0	16.80	Peak	206.00	300	Vertical	Pass
4**	6609.477	43.40	54.0	10.60	AV	206.00	300	Vertical	Pass
5	13437.871	56.45	74.0	17.55	Peak	322.00	200	Vertical	Pass
5**	13437.871	45.62	54.0	8.38	AV	322.00	200	Vertical	Pass
6	17415.649	60.09	74.0	13.91	Peak	140.00	300	Vertical	Pass
6**	17415.649	47.08	54.0	6.92	AV	140.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.003	43.30	74.0	30.70	Peak	185.00	100	Horizontal	Pass
1**	1327.003	35.44	54.0	18.56	AV	185.00	100	Horizontal	Pass
2	2995.794	52.43	74.0	21.57	Peak	32.00	100	Horizontal	Pass
2**	2995.794	41.70	54.0	12.30	AV	32.00	100	Horizontal	Pass
3	4937.808	51.92	74.0	22.08	Peak	333.00	200	Horizontal	Pass
3**	4937.808	39.53	54.0	14.47	AV	333.00	200	Horizontal	Pass
4	6805.783	52.63	74.0	21.37	Peak	78.00	100	Horizontal	Pass
4**	6805.783	45.06	54.0	8.94	AV	78.00	100	Horizontal	Pass
5	13410.194	56.72	74.0	17.28	Peak	13.00	200	Horizontal	Pass
5**	13410.194	47.42	54.0	6.58	AV	13.00	200	Horizontal	Pass
6	17424.236	57.97	74.0	16.03	Peak	78.00	100	Horizontal	Pass
6**	17424.236	49.80	54.0	4.20	AV	78.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.771	45.87	74.0	28.13	Peak	305.00	400	Vertical	Pass
1**	1333.771	38.65	54.0	15.35	AV	305.00	400	Vertical	Pass
2	2979.611	48.23	74.0	25.77	Peak	28.00	400	Vertical	Pass
2**	2979.611	39.84	54.0	14.16	AV	28.00	400	Vertical	Pass
3	4854.689	47.13	74.0	26.87	Peak	330.00	200	Vertical	Pass
3**	4854.689	39.00	54.0	15.00	AV	330.00	200	Vertical	Pass
4	6610.110	55.60	74.0	18.40	Peak	341.00	300	Vertical	Pass
4**	6610.110	46.01	54.0	7.99	AV	341.00	300	Vertical	Pass
5	13436.545	52.66	74.0	21.34	Peak	174.00	100	Vertical	Pass
5**	13436.545	47.15	54.0	6.85	AV	174.00	100	Vertical	Pass
6	17416.271	59.36	74.0	14.64	Peak	65.00	200	Vertical	Pass
6**	17416.271	46.01	54.0	7.99	AV	65.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.543	43.79	74.0	30.21	Peak	164.00	300	Horizontal	Pass
1**	1327.543	37.31	54.0	16.69	AV	164.00	300	Horizontal	Pass
2	2997.017	52.47	74.0	21.53	Peak	35.00	300	Horizontal	Pass
2**	2997.017	38.45	54.0	15.55	AV	35.00	300	Horizontal	Pass
3	4934.237	53.66	74.0	20.34	Peak	131.00	200	Horizontal	Pass
3**	4934.237	40.46	54.0	13.54	AV	131.00	200	Horizontal	Pass
4	6803.033	51.73	74.0	22.27	Peak	321.00	400	Horizontal	Pass
4**	6803.033	46.74	54.0	7.26	AV	321.00	400	Horizontal	Pass
5	13414.447	58.32	74.0	15.68	Peak	285.00	400	Horizontal	Pass
5**	13414.447	49.31	54.0	4.69	AV	285.00	400	Horizontal	Pass
6	17427.463	57.17	74.0	16.83	Peak	313.00	100	Horizontal	Pass
6**	17427.463	47.33	54.0	6.67	AV	313.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.895	43.34	74.0	30.66	Peak	11.00	200	Vertical	Pass
1**	1331.895	35.50	54.0	18.50	AV	11.00	200	Vertical	Pass
2	2984.025	48.46	74.0	25.54	Peak	207.00	200	Vertical	Pass
2**	2984.025	44.68	54.0	9.32	AV	207.00	200	Vertical	Pass
3	4854.613	46.48	74.0	27.52	Peak	252.00	200	Vertical	Pass
3**	4854.613	40.70	54.0	13.30	AV	252.00	200	Vertical	Pass
4	6608.904	54.26	74.0	19.74	Peak	254.00	400	Vertical	Pass
4**	6608.904	42.54	54.0	11.46	AV	254.00	400	Vertical	Pass
5	13432.443	55.18	74.0	18.82	Peak	209.00	200	Vertical	Pass
5**	13432.443	48.85	54.0	5.15	AV	209.00	200	Vertical	Pass
6	17419.516	60.01	74.0	13.99	Peak	199.00	200	Vertical	Pass
6**	17419.516	46.02	54.0	7.98	AV	199.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.567	43.04	74.0	30.96	Peak	203.00	300	Horizontal	Pass
1**	1333.567	36.27	54.0	17.73	AV	203.00	300	Horizontal	Pass
2	2996.014	51.00	74.0	23.00	Peak	132.00	300	Horizontal	Pass
2**	2996.014	42.93	54.0	11.07	AV	132.00	300	Horizontal	Pass
3	4935.561	50.19	74.0	23.81	Peak	242.00	200	Horizontal	Pass
3**	4935.561	43.82	54.0	10.18	AV	242.00	200	Horizontal	Pass
4	6806.532	55.92	74.0	18.08	Peak	223.00	100	Horizontal	Pass
4**	6806.532	46.64	54.0	7.36	AV	223.00	100	Horizontal	Pass
5	13411.628	56.96	74.0	17.04	Peak	92.00	300	Horizontal	Pass
5**	13411.628	43.55	54.0	10.45	AV	92.00	300	Horizontal	Pass
6	17422.437	58.48	74.0	15.52	Peak	161.00	300	Horizontal	Pass
6**	17422.437	45.34	54.0	8.66	AV	161.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.591	46.58	74.0	27.42	Peak	349.00	400	Vertical	Pass
1**	1333.591	34.77	54.0	19.23	AV	349.00	400	Vertical	Pass
2	2979.380	49.10	74.0	24.90	Peak	286.00	400	Vertical	Pass
2**	2979.380	39.45	54.0	14.55	AV	286.00	400	Vertical	Pass
3	4856.858	48.63	74.0	25.37	Peak	250.00	200	Vertical	Pass
3**	4856.858	43.62	54.0	10.38	AV	250.00	200	Vertical	Pass
4	6609.273	56.18	74.0	17.82	Peak	2.00	200	Vertical	Pass
4**	6609.273	47.71	54.0	6.29	AV	2.00	200	Vertical	Pass
5	13438.620	56.06	74.0	17.94	Peak	58.00	400	Vertical	Pass
5**	13438.620	46.25	54.0	7.75	AV	58.00	400	Vertical	Pass
6	17413.784	55.87	74.0	18.13	Peak	149.00	100	Vertical	Pass
6**	17413.784	47.47	54.0	6.53	AV	149.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.667	47.49	74.0	26.51	Peak	77.00	400	Horizontal	Pass
1**	1333.667	39.03	54.0	14.97	AV	77.00	400	Horizontal	Pass
2	2996.475	50.05	74.0	23.95	Peak	311.00	300	Horizontal	Pass
2**	2996.475	39.82	54.0	14.18	AV	311.00	300	Horizontal	Pass
3	4935.321	52.88	74.0	21.12	Peak	61.00	200	Horizontal	Pass
3**	4935.321	43.91	54.0	10.09	AV	61.00	200	Horizontal	Pass
4	6803.210	51.90	74.0	22.10	Peak	83.00	200	Horizontal	Pass
4**	6803.210	45.32	54.0	8.68	AV	83.00	200	Horizontal	Pass
5	13410.577	54.56	74.0	19.44	Peak	333.00	100	Horizontal	Pass
5**	13410.577	44.39	54.0	9.61	AV	333.00	100	Horizontal	Pass
6	17429.477	55.44	74.0	18.56	Peak	75.00	300	Horizontal	Pass
6**	17429.477	48.04	54.0	5.96	AV	75.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.540	45.26	74.0	28.74	Peak	314.00	200	Vertical	Pass
1**	1330.540	36.91	54.0	17.09	AV	314.00	200	Vertical	Pass
2	2979.047	47.73	74.0	26.27	Peak	179.00	100	Vertical	Pass
2**	2979.047	43.54	54.0	10.46	AV	179.00	100	Vertical	Pass
3	4854.909	48.71	74.0	25.29	Peak	8.00	200	Vertical	Pass
3**	4854.909	41.38	54.0	12.62	AV	8.00	200	Vertical	Pass
4	6610.069	54.88	74.0	19.12	Peak	157.00	300	Vertical	Pass
4**	6610.069	46.55	54.0	7.45	AV	157.00	300	Vertical	Pass
5	13432.488	57.52	74.0	16.48	Peak	293.00	200	Vertical	Pass
5**	13432.488	43.79	54.0	10.21	AV	293.00	200	Vertical	Pass
6	17415.355	56.62	74.0	17.38	Peak	350.00	300	Vertical	Pass
6**	17415.355	44.47	54.0	9.53	AV	350.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.396	44.34	74.0	29.66	Peak	2.00	100	Horizontal	Pass
1**	1332.396	39.40	54.0	14.60	AV	2.00	100	Horizontal	Pass
2	2995.067	52.63	74.0	21.37	Peak	150.00	400	Horizontal	Pass
2**	2995.067	43.53	54.0	10.47	AV	150.00	400	Horizontal	Pass
3	4937.465	53.47	74.0	20.53	Peak	140.00	200	Horizontal	Pass
3**	4937.465	43.08	54.0	10.92	AV	140.00	200	Horizontal	Pass
4	6803.799	53.82	74.0	20.18	Peak	221.00	300	Horizontal	Pass
4**	6803.799	45.90	54.0	8.10	AV	221.00	300	Horizontal	Pass
5	13413.249	52.98	74.0	21.02	Peak	74.00	400	Horizontal	Pass
5**	13413.249	46.16	54.0	7.84	AV	74.00	400	Horizontal	Pass
6	17423.433	57.34	74.0	16.66	Peak	71.00	300	Horizontal	Pass
6**	17423.433	49.94	54.0	4.06	AV	71.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.079	47.76	74.0	26.24	Peak	71.00	400	Vertical	Pass
1**	1329.079	38.78	54.0	15.22	AV	71.00	400	Vertical	Pass
2	2983.124	53.34	74.0	20.66	Peak	59.00	100	Vertical	Pass
2**	2983.124	44.07	54.0	9.93	AV	59.00	100	Vertical	Pass
3	4857.016	50.96	74.0	23.04	Peak	69.00	200	Vertical	Pass
3**	4857.016	41.24	54.0	12.76	AV	69.00	200	Vertical	Pass
4	6605.365	56.87	74.0	17.13	Peak	83.00	300	Vertical	Pass
4**	6605.365	42.14	54.0	11.86	AV	83.00	300	Vertical	Pass
5	13437.989	53.08	74.0	20.92	Peak	188.00	400	Vertical	Pass
5**	13437.989	43.69	54.0	10.31	AV	188.00	400	Vertical	Pass
6	17420.966	54.91	74.0	19.09	Peak	259.00	300	Vertical	Pass
6**	17420.966	48.10	54.0	5.90	AV	259.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.894	46.32	74.0	27.68	Peak	40.00	100	Horizontal	Pass
1**	1328.894	37.83	54.0	16.17	AV	40.00	100	Horizontal	Pass
2	2996.750	48.89	74.0	25.11	Peak	345.00	400	Horizontal	Pass
2**	2996.750	40.14	54.0	13.86	AV	345.00	400	Horizontal	Pass
3	4934.017	52.09	74.0	21.91	Peak	0.00	200	Horizontal	Pass
3**	4934.017	42.24	54.0	11.76	AV	0.00	200	Horizontal	Pass
4	6804.762	54.42	74.0	19.58	Peak	26.00	300	Horizontal	Pass
4**	6804.762	44.21	54.0	9.79	AV	26.00	300	Horizontal	Pass
5	13407.356	57.03	74.0	16.97	Peak	326.00	300	Horizontal	Pass
5**	13407.356	49.15	54.0	4.85	AV	326.00	300	Horizontal	Pass
6	17428.959	53.64	74.0	20.36	Peak	92.00	100	Horizontal	Pass
6**	17428.959	46.46	54.0	7.54	AV	92.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.569	45.62	74.0	28.38	Peak	147.00	400	Vertical	Pass
1**	1330.569	35.78	54.0	18.22	AV	147.00	400	Vertical	Pass
2	2981.566	47.83	74.0	26.17	Peak	215.00	400	Vertical	Pass
2**	2981.566	39.99	54.0	14.01	AV	215.00	400	Vertical	Pass
3	4857.578	51.38	74.0	22.62	Peak	91.00	200	Vertical	Pass
3**	4857.578	38.49	54.0	15.51	AV	91.00	200	Vertical	Pass
4	6607.880	55.42	74.0	18.58	Peak	10.00	400	Vertical	Pass
4**	6607.880	46.19	54.0	7.81	AV	10.00	400	Vertical	Pass
5	13433.300	53.54	74.0	20.46	Peak	157.00	300	Vertical	Pass
5**	13433.300	47.78	54.0	6.22	AV	157.00	300	Vertical	Pass
6	17419.638	55.52	74.0	18.48	Peak	2.00	100	Vertical	Pass
6**	17419.638	44.58	54.0	9.42	AV	2.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.372	42.18	74.0	31.82	Peak	175.00	300	Horizontal	Pass
1**	1326.372	35.56	54.0	18.44	AV	175.00	300	Horizontal	Pass
2	2996.284	47.64	74.0	26.36	Peak	204.00	300	Horizontal	Pass
2**	2996.284	39.63	54.0	14.37	AV	204.00	300	Horizontal	Pass
3	4936.161	51.38	74.0	22.62	Peak	37.00	200	Horizontal	Pass
3**	4936.161	42.00	54.0	12.00	AV	37.00	200	Horizontal	Pass
4	6809.897	53.70	74.0	20.30	Peak	119.00	300	Horizontal	Pass
4**	6809.897	43.38	54.0	10.62	AV	119.00	300	Horizontal	Pass
5	13414.186	57.42	74.0	16.58	Peak	125.00	200	Horizontal	Pass
5**	13414.186	48.52	54.0	5.48	AV	125.00	200	Horizontal	Pass
6	17426.470	54.80	74.0	19.20	Peak	161.00	100	Horizontal	Pass
6**	17426.470	48.64	54.0	5.36	AV	161.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.426	47.80	74.0	26.20	Peak	82.00	300	Vertical	Pass
1**	1329.426	35.27	54.0	18.73	AV	82.00	300	Vertical	Pass
2	2984.796	51.40	74.0	22.60	Peak	37.00	200	Vertical	Pass
2**	2984.796	44.04	54.0	9.96	AV	37.00	200	Vertical	Pass
3	4850.588	51.54	74.0	22.46	Peak	277.00	200	Vertical	Pass
3**	4850.588	37.77	54.0	16.23	AV	277.00	200	Vertical	Pass
4	6610.822	55.26	74.0	18.74	Peak	16.00	200	Vertical	Pass
4**	6610.822	45.37	54.0	8.63	AV	16.00	200	Vertical	Pass
5	13437.380	55.85	74.0	18.15	Peak	53.00	200	Vertical	Pass
5**	13437.380	43.55	54.0	10.45	AV	53.00	200	Vertical	Pass
6	17420.767	55.98	74.0	18.02	Peak	314.00	300	Vertical	Pass
6**	17420.767	49.41	54.0	4.59	AV	314.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.197	42.90	74.0	31.10	Peak	196.00	200	Horizontal	Pass
1**	1330.197	33.89	54.0	20.11	AV	196.00	200	Horizontal	Pass
2	2995.258	48.53	74.0	25.47	Peak	348.00	100	Horizontal	Pass
2**	2995.258	40.01	54.0	13.99	AV	348.00	100	Horizontal	Pass
3	4930.670	51.76	74.0	22.24	Peak	25.00	200	Horizontal	Pass
3**	4930.670	39.94	54.0	14.06	AV	25.00	200	Horizontal	Pass
4	6807.968	55.42	74.0	18.58	Peak	66.00	100	Horizontal	Pass
4**	6807.968	46.35	54.0	7.65	AV	66.00	100	Horizontal	Pass
5	13408.943	53.89	74.0	20.11	Peak	111.00	400	Horizontal	Pass
5**	13408.943	49.34	54.0	4.66	AV	111.00	400	Horizontal	Pass
6	17429.593	53.04	74.0	20.96	Peak	13.00	100	Horizontal	Pass
6**	17429.593	47.96	54.0	6.04	AV	13.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.833	43.13	74.0	30.87	Peak	108.00	100	Vertical	Pass
1**	1329.833	39.38	54.0	14.62	AV	108.00	100	Vertical	Pass
2	2980.596	53.19	74.0	20.81	Peak	114.00	200	Vertical	Pass
2**	2980.596	39.43	54.0	14.57	AV	114.00	200	Vertical	Pass
3	4852.613	50.60	74.0	23.40	Peak	190.00	200	Vertical	Pass
3**	4852.613	38.72	54.0	15.28	AV	190.00	200	Vertical	Pass
4	6605.879	56.19	74.0	17.81	Peak	81.00	100	Vertical	Pass
4**	6605.879	42.31	54.0	11.69	AV	81.00	100	Vertical	Pass
5	13431.116	53.58	74.0	20.42	Peak	258.00	100	Vertical	Pass
5**	13431.116	46.24	54.0	7.76	AV	258.00	100	Vertical	Pass
6	17416.516	59.54	74.0	14.46	Peak	160.00	200	Vertical	Pass
6**	17416.516	48.73	54.0	5.27	AV	160.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.588	42.05	74.0	31.95	Peak	62.00	300	Horizontal	Pass
1**	1329.588	36.56	54.0	17.44	AV	62.00	300	Horizontal	Pass
2	2995.578	47.48	74.0	26.52	Peak	57.00	400	Horizontal	Pass
2**	2995.578	44.30	54.0	9.70	AV	57.00	400	Horizontal	Pass
3	4935.686	53.98	74.0	20.02	Peak	61.00	200	Horizontal	Pass
3**	4935.686	39.71	54.0	14.29	AV	61.00	200	Horizontal	Pass
4	6806.331	57.31	74.0	16.69	Peak	180.00	100	Horizontal	Pass
4**	6806.331	41.79	54.0	12.21	AV	180.00	100	Horizontal	Pass
5	13415.120	58.26	74.0	15.74	Peak	284.00	200	Horizontal	Pass
5**	13415.120	49.08	54.0	4.92	AV	284.00	200	Horizontal	Pass
6	17429.995	57.73	74.0	16.27	Peak	88.00	200	Horizontal	Pass
6**	17429.995	45.84	54.0	8.16	AV	88.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.904	46.15	74.0	27.85	Peak	298.00	100	Vertical	Pass
1**	1333.904	36.89	54.0	17.11	AV	298.00	100	Vertical	Pass
2	2978.725	51.06	74.0	22.94	Peak	224.00	400	Vertical	Pass
2**	2978.725	44.58	54.0	9.42	AV	224.00	400	Vertical	Pass
3	4855.330	49.24	74.0	24.76	Peak	130.00	200	Vertical	Pass
3**	4855.330	41.59	54.0	12.41	AV	130.00	200	Vertical	Pass
4	6604.529	53.70	74.0	20.30	Peak	211.00	400	Vertical	Pass
4**	6604.529	44.86	54.0	9.14	AV	211.00	400	Vertical	Pass
5	13436.877	56.96	74.0	17.04	Peak	171.00	200	Vertical	Pass
5**	13436.877	43.43	54.0	10.57	AV	171.00	200	Vertical	Pass
6	17416.061	57.08	74.0	16.92	Peak	53.00	300	Vertical	Pass
6**	17416.061	45.43	54.0	8.57	AV	53.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.958	45.74	74.0	28.26	Peak	298.00	400	Horizontal	Pass
1**	1330.958	38.48	54.0	15.52	AV	298.00	400	Horizontal	Pass
2	3000.058	48.64	74.0	25.36	Peak	299.00	400	Horizontal	Pass
2**	3000.058	42.10	54.0	11.90	AV	299.00	400	Horizontal	Pass
3	4934.425	51.95	74.0	22.05	Peak	307.00	200	Horizontal	Pass
3**	4934.425	39.42	54.0	14.58	AV	307.00	200	Horizontal	Pass
4	6805.920	53.24	74.0	20.76	Peak	343.00	100	Horizontal	Pass
4**	6805.920	46.83	54.0	7.17	AV	343.00	100	Horizontal	Pass
5	13414.916	55.59	74.0	18.41	Peak	212.00	400	Horizontal	Pass
5**	13414.916	48.71	54.0	5.29	AV	212.00	400	Horizontal	Pass
6	17423.577	57.90	74.0	16.10	Peak	298.00	100	Horizontal	Pass
6**	17423.577	48.57	54.0	5.43	AV	298.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.661	44.37	74.0	29.63	Peak	18.00	200	Vertical	Pass
1**	1329.661	37.97	54.0	16.03	AV	18.00	200	Vertical	Pass
2	2985.602	52.31	74.0	21.69	Peak	232.00	400	Vertical	Pass
2**	2985.602	42.66	54.0	11.34	AV	232.00	400	Vertical	Pass
3	4856.041	49.19	74.0	24.81	Peak	141.00	200	Vertical	Pass
3**	4856.041	39.54	54.0	14.46	AV	141.00	200	Vertical	Pass
4	6604.476	56.10	74.0	17.90	Peak	350.00	200	Vertical	Pass
4**	6604.476	42.19	54.0	11.81	AV	350.00	200	Vertical	Pass
5	13438.382	56.40	74.0	17.60	Peak	69.00	300	Vertical	Pass
5**	13438.382	46.12	54.0	7.88	AV	69.00	300	Vertical	Pass
6	17413.348	56.06	74.0	17.94	Peak	358.00	200	Vertical	Pass
6**	17413.348	47.16	54.0	6.84	AV	358.00	200	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 antenna were pre tested, but only the worst case has been reported in this report.

Note ⁵: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

MIMO

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2383.619	57.94	74.0	16.06	Peak	225.00	100	Horizontal	Pass
1**	2383.619	49.59	54.0	4.41	AV	225.00	100	Horizontal	Pass
2	2390.000	56.82	74.0	17.18	Peak	16.00	300	Horizontal	Pass
2**	2390.000	46.47	54.0	7.53	AV	16.00	300	Horizontal	Pass

802.11b HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.77	74.0	18.23	Peak	45.00	300	Horizontal	Pass
1**	2483.500	46.91	54.0	7.09	AV	45.00	300	Horizontal	Pass
2	2487.965	56.27	74.0	17.73	Peak	335.00	100	Horizontal	Pass
2**	2487.965	47.23	54.0	6.77	AV	335.00	100	Horizontal	Pass

802.11g LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.940	59.61	74.0	14.39	Peak	254.00	300	Horizontal	Pass
1**	2385.940	46.38	54.0	7.62	AV	254.00	300	Horizontal	Pass
2	2390.000	55.61	74.0	18.39	Peak	9.00	200	Horizontal	Pass
2**	2390.000	43.43	54.0	10.57	AV	9.00	200	Horizontal	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.1	74.0	19.90	Peak	191.00	300	Horizontal	Pass
1**	2483.500	45.56	54.0	8.44	AV	191.00	300	Horizontal	Pass
2	2487.534	59.47	74.0	14.53	Peak	242.00	200	Horizontal	Pass
2**	2487.534	45.09	54.0	8.91	AV	242.00	200	Horizontal	Pass

802.11n20 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.073	59.03	74.0	14.97	Peak	7.00	100	Horizontal	Pass
1**	2384.073	48.24	54.0	5.76	AV	7.00	100	Horizontal	Pass
2	2390.000	55.68	74.0	18.32	Peak	293.00	300	Horizontal	Pass
2**	2390.000	44.32	54.0	9.68	AV	293.00	300	Horizontal	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.59	74.0	18.41	Peak	123.00	100	Horizontal	Pass
1**	2483.500	47.34	54.0	6.66	AV	123.00	100	Horizontal	Pass
2	2488.927	60.12	74.0	13.88	Peak	347.00	300	Horizontal	Pass
2**	2488.927	44.13	54.0	9.87	AV	347.00	300	Horizontal	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.771	59.39	74.0	14.61	Peak	167.00	200	Horizontal	Pass
1**	2385.771	46.24	54.0	7.76	AV	167.00	200	Horizontal	Pass
2	2390.000	56.72	74.0	17.28	Peak	71.00	300	Horizontal	Pass
2**	2390.000	47.31	54.0	6.69	AV	71.00	300	Horizontal	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.78	74.0	17.22	Peak	283.00	100	Horizontal	Pass
1**	2483.500	47.97	54.0	6.03	AV	283.00	100	Horizontal	Pass
2	2488.081	56.72	74.0	17.28	Peak	267.00	300	Horizontal	Pass
2**	2488.081	44.32	54.0	9.68	AV	267.00	300	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.117	59.67	74.0	14.33	Peak	319.00	200	Horizontal	Pass
1**	2384.117	45.97	54.0	8.03	AV	319.00	200	Horizontal	Pass
2	2390.000	53.78	74.0	20.22	Peak	111.00	300	Horizontal	Pass
2**	2390.000	45.19	54.0	8.81	AV	111.00	300	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.55	74.0	16.45	Peak	346.00	200	Horizontal	Pass
1**	2483.500	47.28	54.0	6.72	AV	346.00	200	Horizontal	Pass
2	2486.717	59.54	74.0	14.46	Peak	199.00	300	Horizontal	Pass
2**	2486.717	46.13	54.0	7.87	AV	199.00	300	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.037	57.03	74.0	16.97	Peak	193.00	200	Horizontal	Pass
1**	2384.037	47.59	54.0	6.41	AV	193.00	200	Horizontal	Pass
2	2390.000	54.4	74.0	19.60	Peak	71.00	100	Horizontal	Pass
2**	2390.000	45.73	54.0	8.27	AV	71.00	100	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.22	74.0	19.78	Peak	274.00	100	Horizontal	Pass
1**	2483.500	44.33	54.0	9.67	AV	274.00	100	Horizontal	Pass
2	2486.669	58.99	74.0	15.01	Peak	243.00	300	Horizontal	Pass
2**	2486.669	45.66	54.0	8.34	AV	243.00	300	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: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data

SISO-Antenna 5

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.11	8
Middle	-6.99	8
High	-6.92	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.72	8
Middle	-9.55	8
High	-9.33	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.25	8
Middle	-10.20	8
High	-11.16	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.88	8
Middle	-13.41	8
High	-14.42	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.08	8
Middle	-13.31	8
High	-13.65	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.62	8
Middle	-15.84	8
High	-16.33	8

SISO-Antenna 6

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.57	8
Middle	-5.63	8
High	-4.70	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.71	8
Middle	-9.78	8
High	-9.81	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.26	8
Middle	-9.17	8
High	-10.04	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.71	8
Middle	-13.17	8
High	-11.80	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.75	8
Middle	-12.59	8
High	-12.16	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.92	8
Middle	-16.46	8
High	-15.66	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.26	8
Middle	-3.25	8
High	-2.66	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.70	8
Middle	-6.65	8
High	-6.55	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.72	8
Middle	-6.65	8
High	-7.55	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.78	8
Middle	-10.28	8
High	-9.90	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.90	8
Middle	-9.93	8
High	-9.83	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.68	8
Middle	-13.13	8
High	-12.97	8

Test Plots

SISO-Antenna 5

802.11b LOW CHANNEL



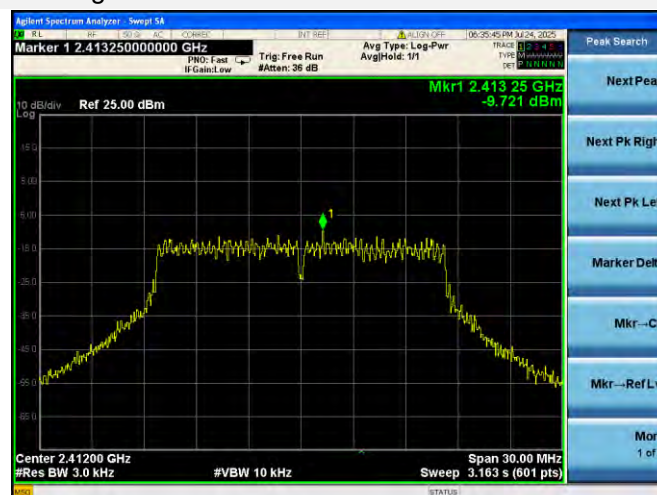
802.11b MIDDLE CHANNEL



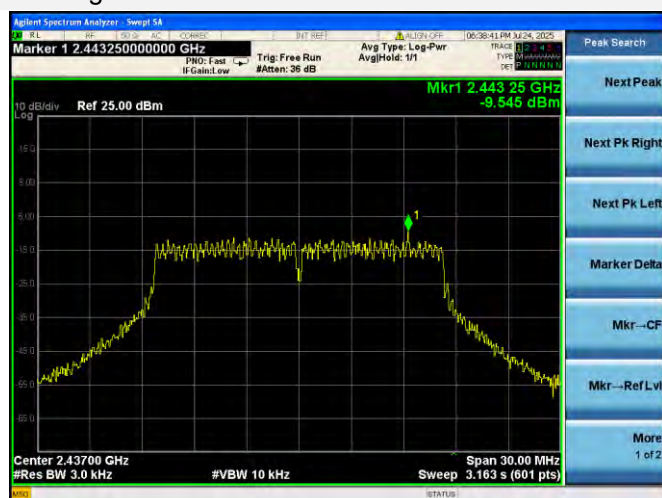
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



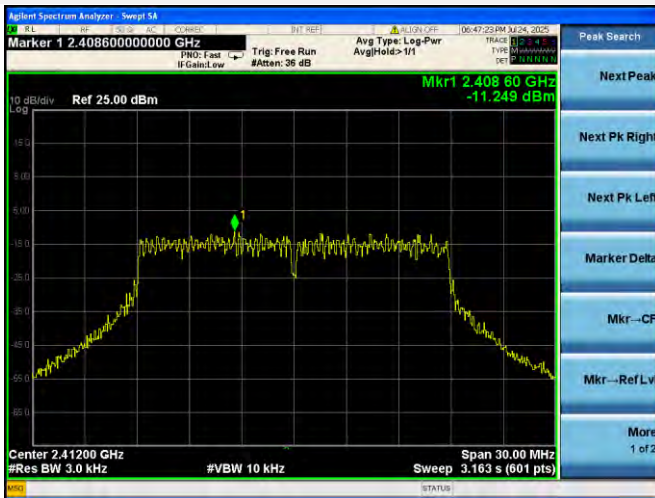
802.11g MIDDLE CHANNEL



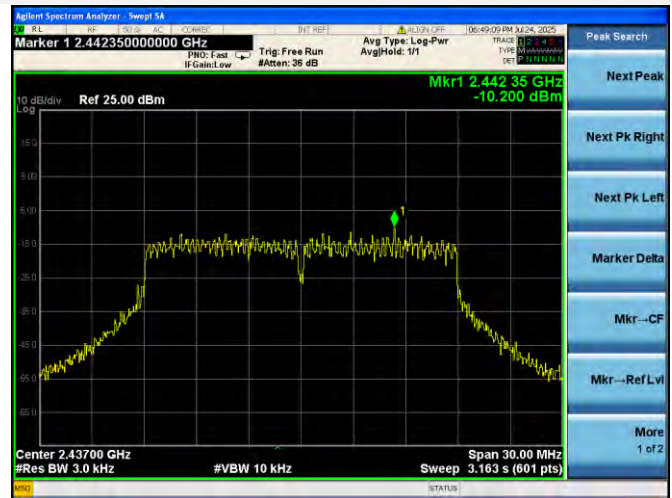
802.11g HIGH CHANNEL



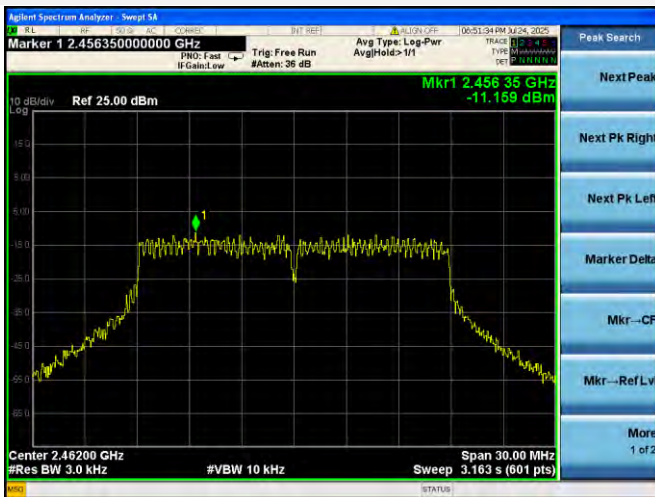
802.11n-20 MHz LOW CHANNEL



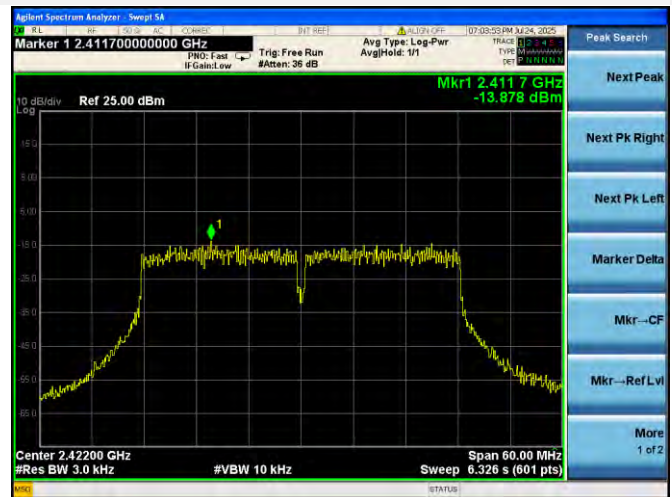
802.11n-20 MHz MIDDLE CHANNEL



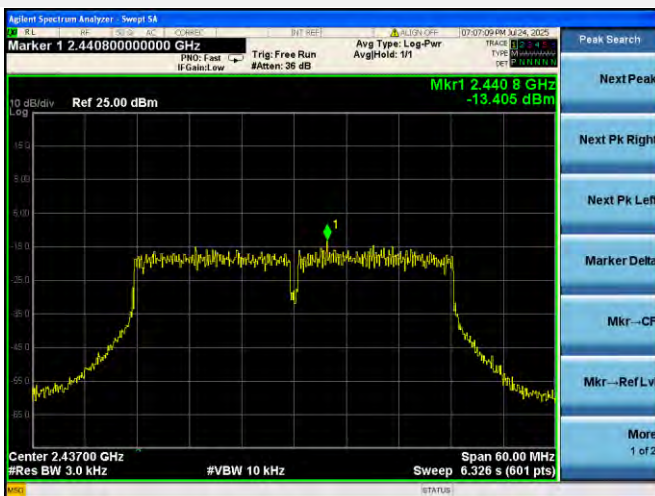
802.11n-20 MHz HIGH CHANNEL



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



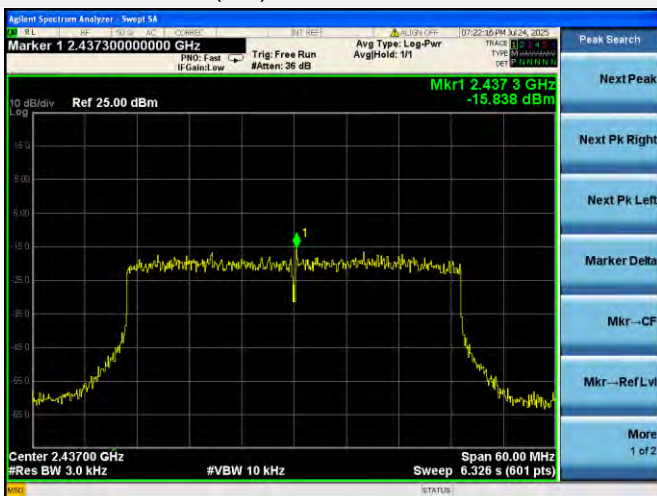
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



SISO-Antenna 6

802.11b LOW CHANNEL



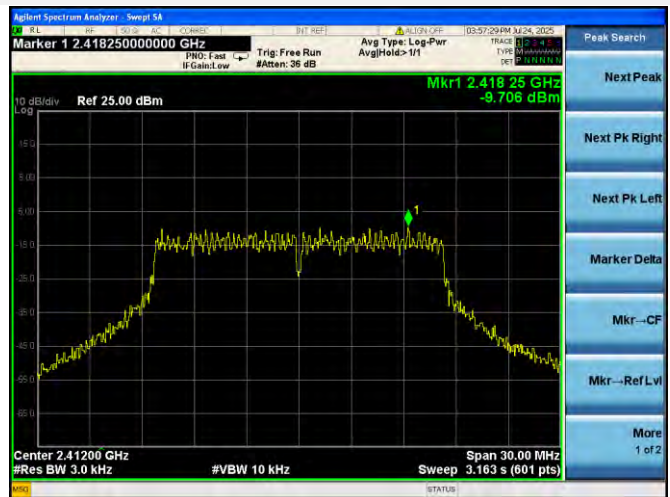
802.11b MIDDLE CHANNEL



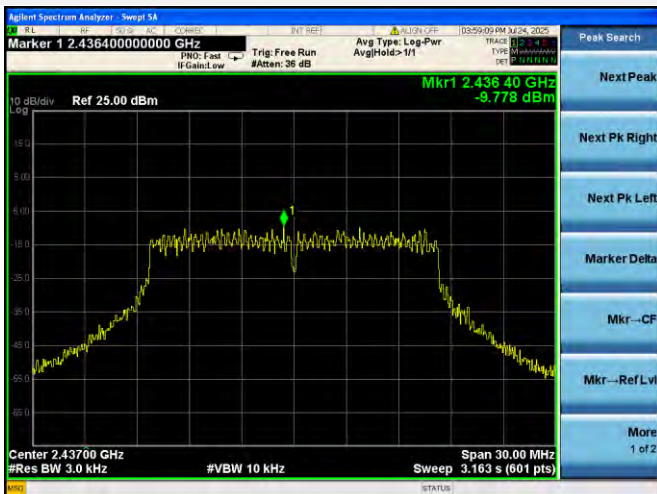
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



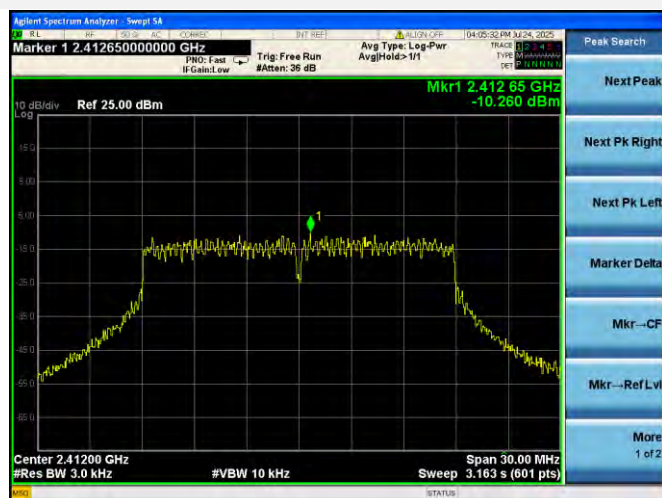
802.11g MIDDLE CHANNEL



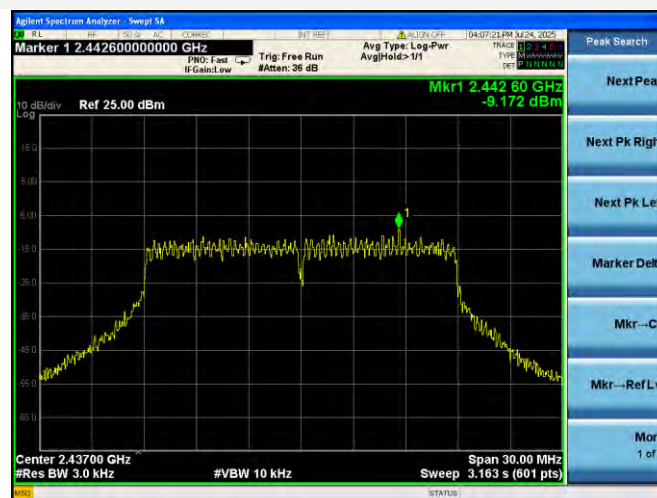
802.11g HIGH CHANNEL



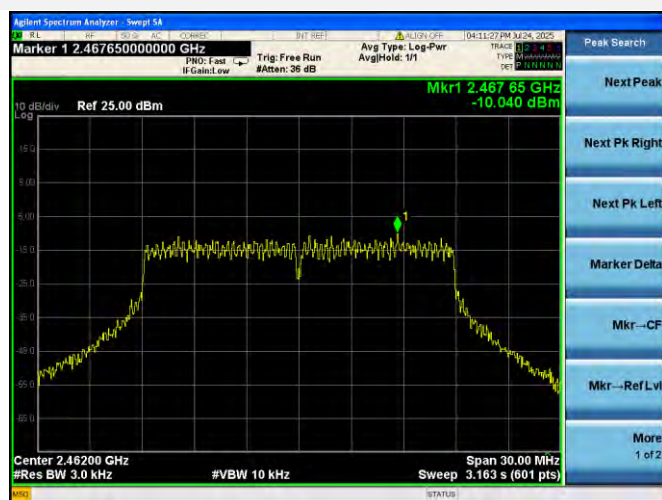
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



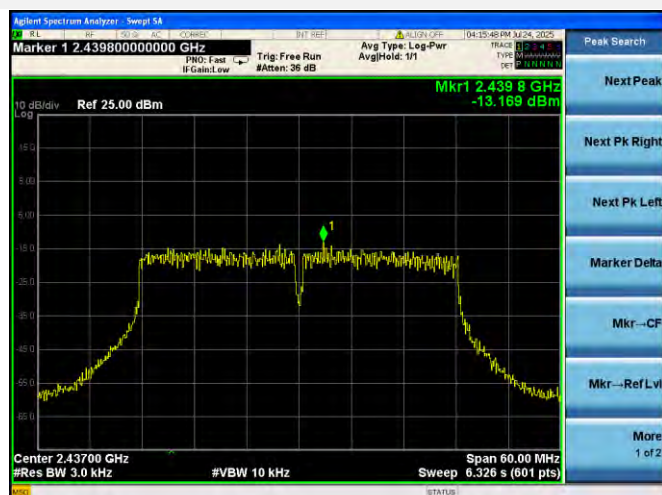
802.11n-20 MHz HIGH CHANNEL



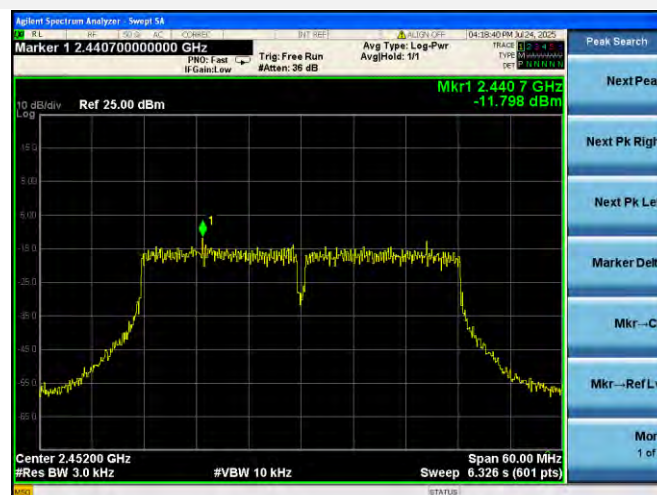
802.11n-40 MHz LOW CHANNEL



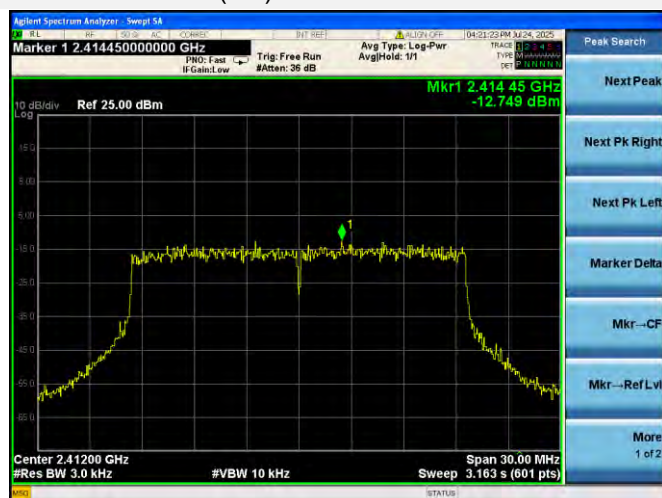
802.11n-40 MHz MIDDLE CHANNEL



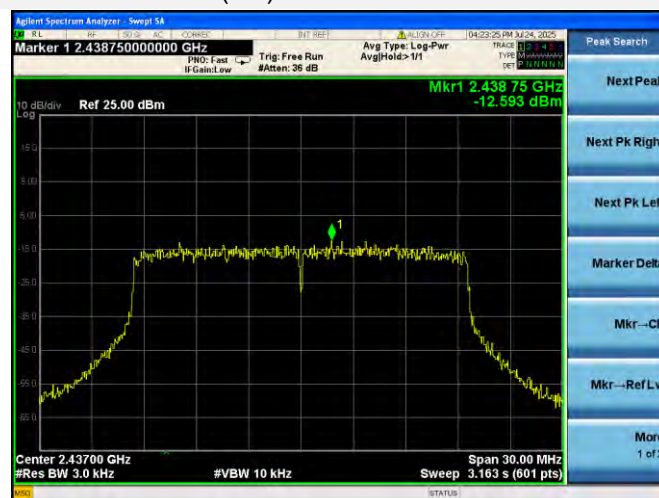
802.11n-40 MHz HIGH CHANNEL



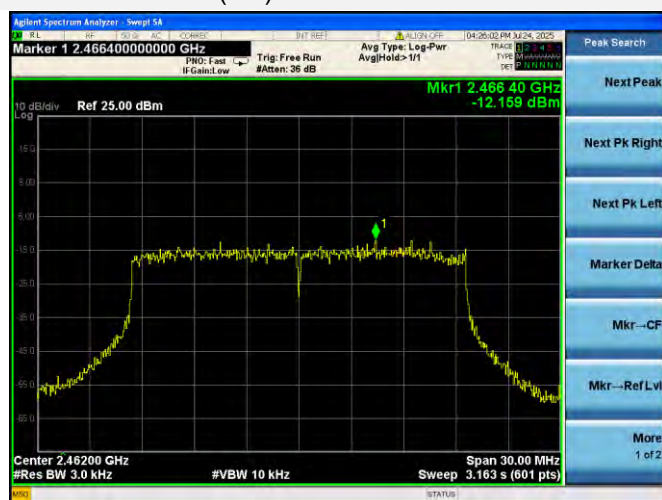
802.11ax-20 MHz(SU) LOW CHANNEL



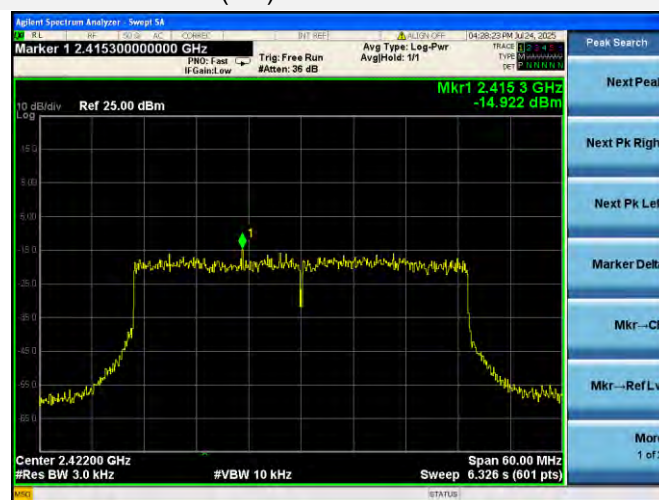
802.11ax-20 MHz(SU) MIDDLE CHANNEL



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



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2561465-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2561465-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2561465-AI.PDF”.

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