

A.3 Conducted Spurious Emissions

Test Data

ANTA

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.45	5.98	-14.02	Pass
Middle	-37.03	6.23	-13.77	Pass
High	-39.61	6.54	-13.46	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.48	-0.30	-20.30	Pass
Middle	-36.68	1.40	-18.60	Pass
High	-36.69	-1.05	-21.05	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.96	-0.30	-20.30	Pass
Middle	-36.74	-1.32	-21.32	Pass
High	-36.63	-1.59	-21.59	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.62	-1.20	-21.20	Pass
Middle	-36.96	-2.42	-22.42	Pass
High	-39.22	-1.70	-21.70	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	-37.15	-0.20	-20.20	Pass
Middle	-37.32	-2.15	-22.15	Pass
High	-36.11	-2.20	-22.20	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	-36.25	-1.58	-21.58	Pass
Middle	-35.58	-2.44	-22.44	Pass
High	-38.65	-2.43	-22.43	Pass

ANTB

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.78	6.66	-13.34	Pass
Middle	-39.42	7.39	-12.61	Pass
High	-39.12	7.41	-12.59	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.54	-0.71	-20.71	Pass
Middle	-36.85	-0.57	-20.57	Pass
High	-36.44	-0.56	-20.56	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.48	-0.30	-20.30	Pass
Middle	-36.56	-1.45	-21.45	Pass
High	-38.62	-1.15	-21.15	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.85	-0.97	-20.97	Pass
Middle	-39.17	-2.37	-22.37	Pass
High	-36.49	-3.52	-23.52	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	-36.03	-1.18	-21.18	Pass
Middle	-36.65	-1.41	-21.41	Pass
High	-35.92	-1.27	-21.27	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	-37.96	-3.72	-23.72	Pass
Middle	-39.20	-4.07	-24.07	Pass
High	-37.43	-3.80	-23.80	Pass

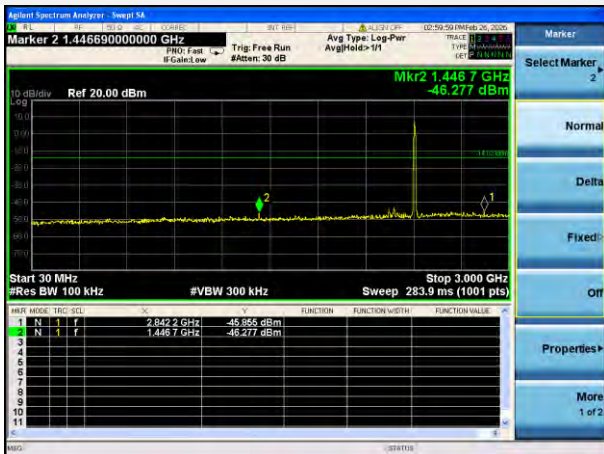
Test Plots

ANTA

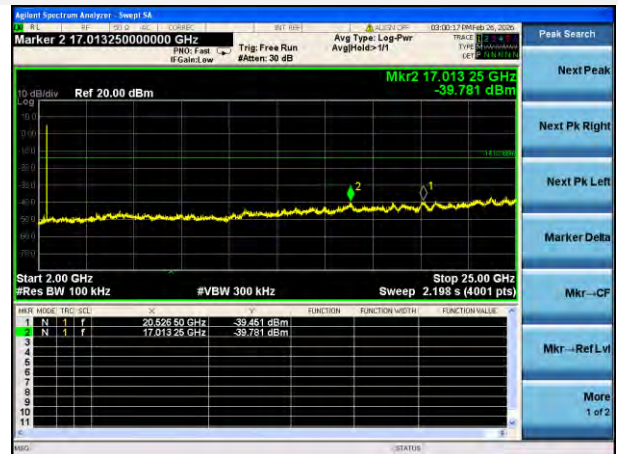
802.11b LOW CHANNEL CARRIER LEVEL



802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



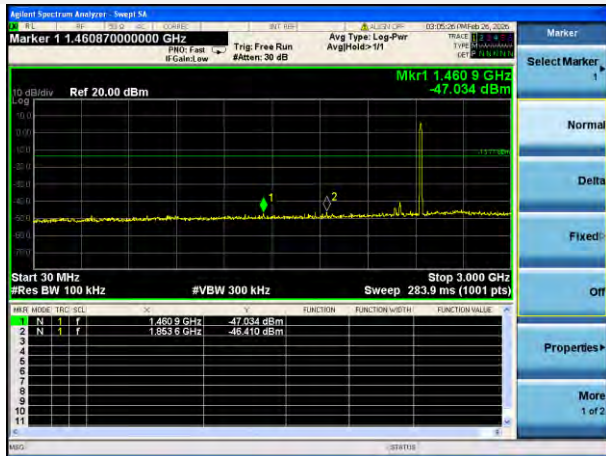
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



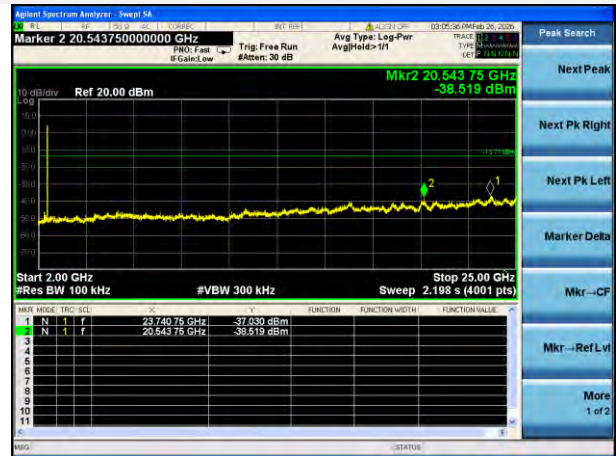
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



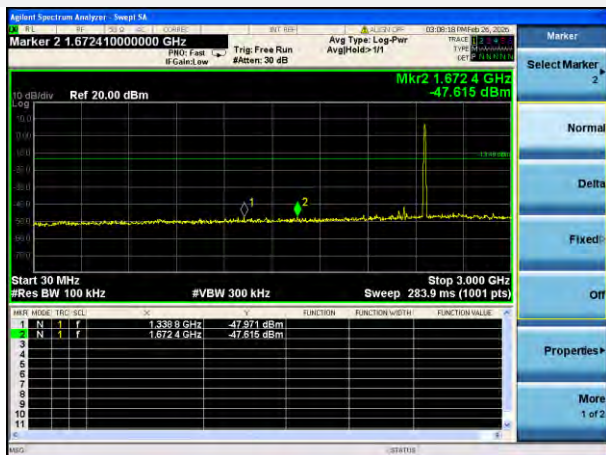
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



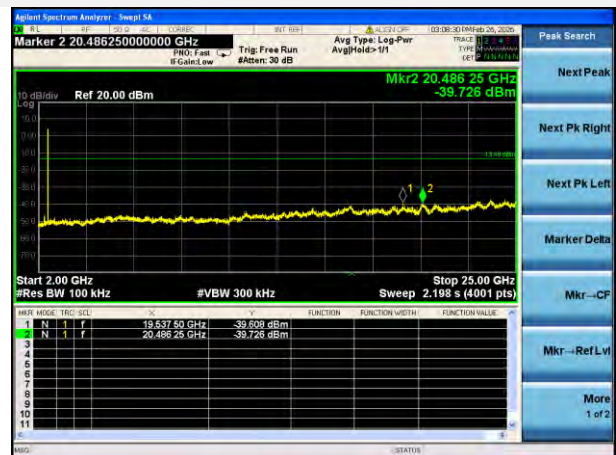
802.11b HIGH CHANNEL CARRIER LEVEL



802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



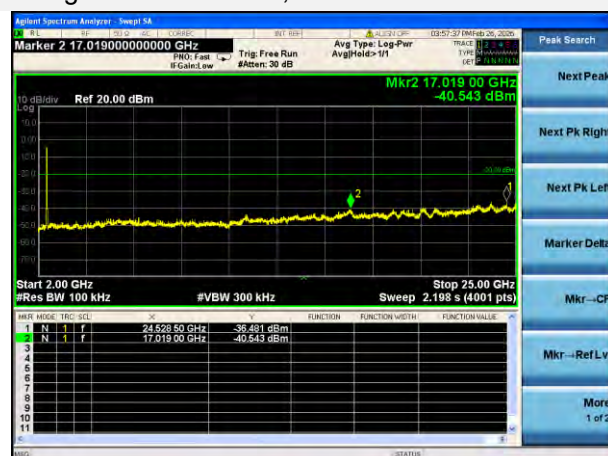
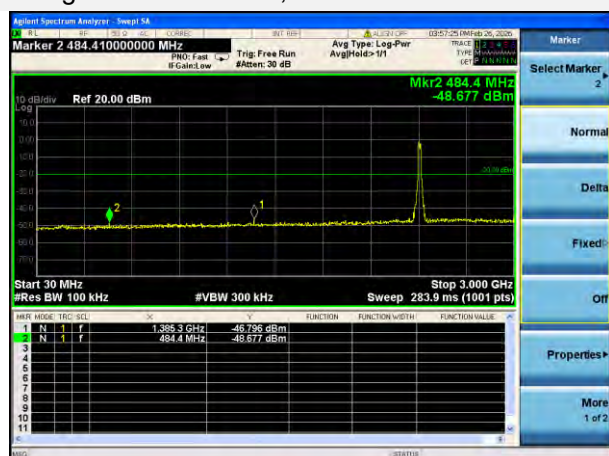
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



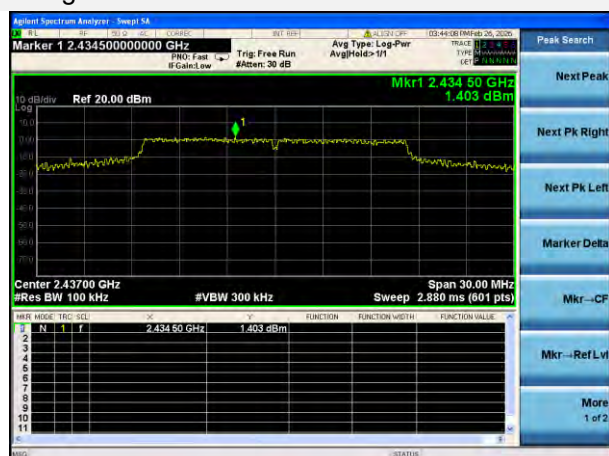
802.11g LOW CHANNEL CARRIER LEVEL



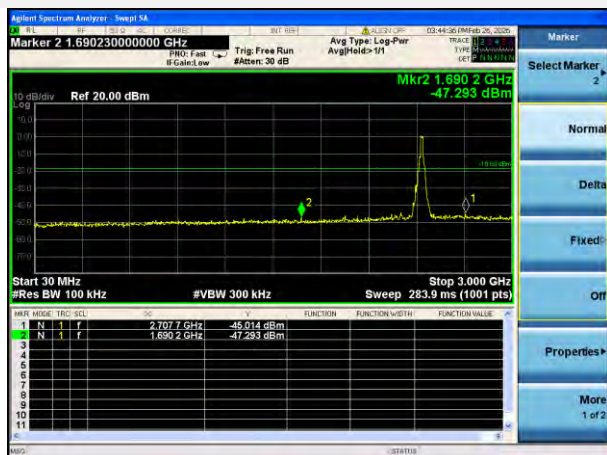
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



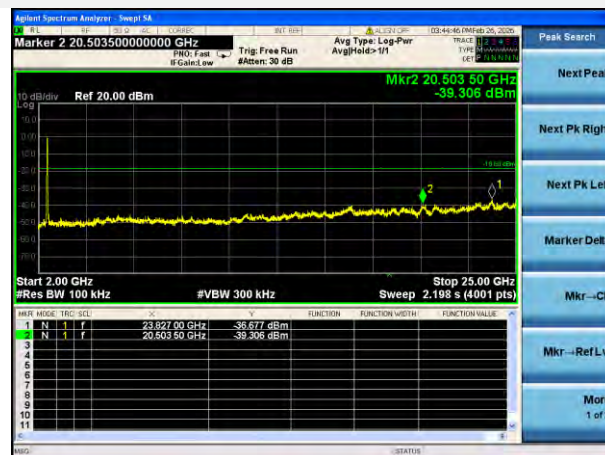
802.11g MIDDLE CHANNEL CARRIER LEVEL



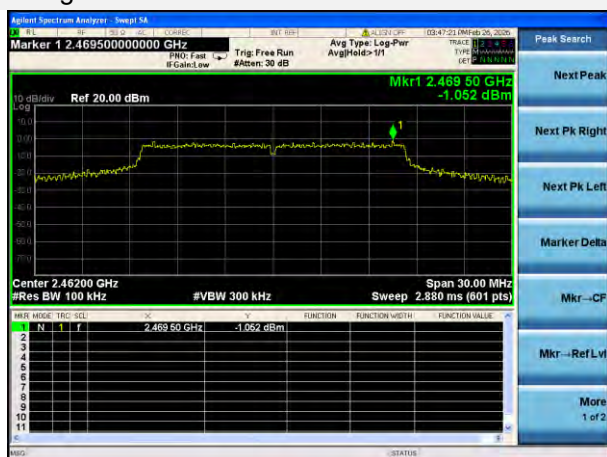
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



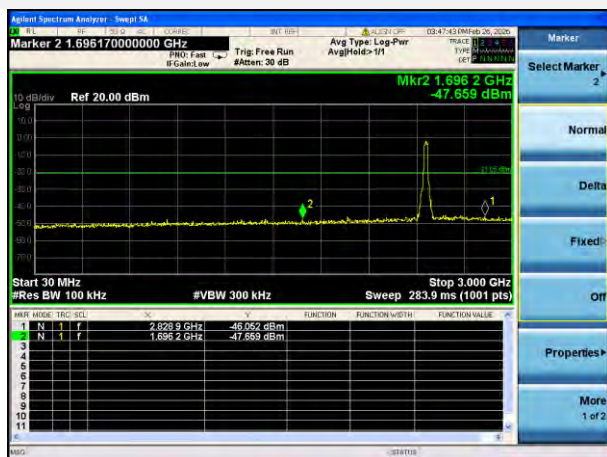
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



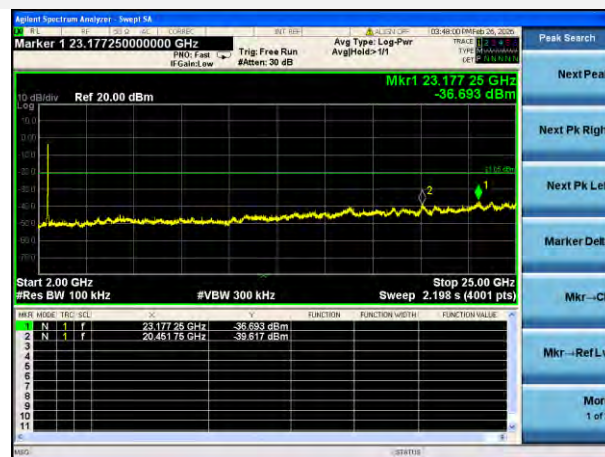
802.11g HIGH CHANNEL CARRIER LEVEL



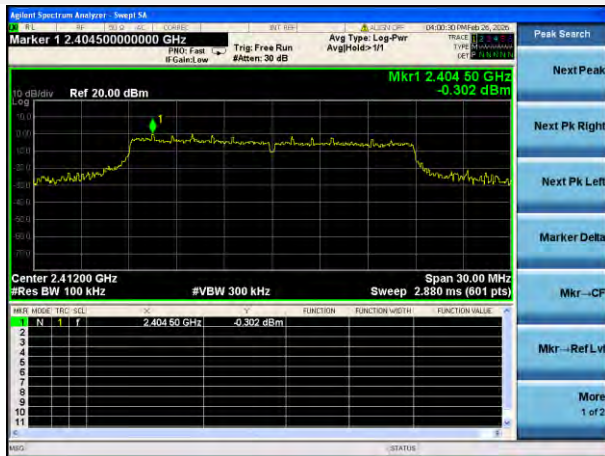
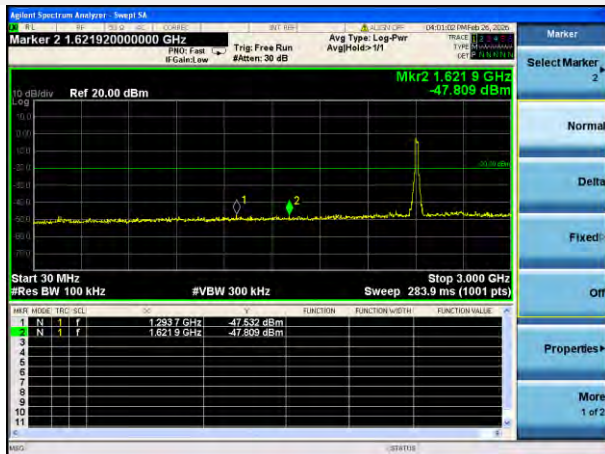
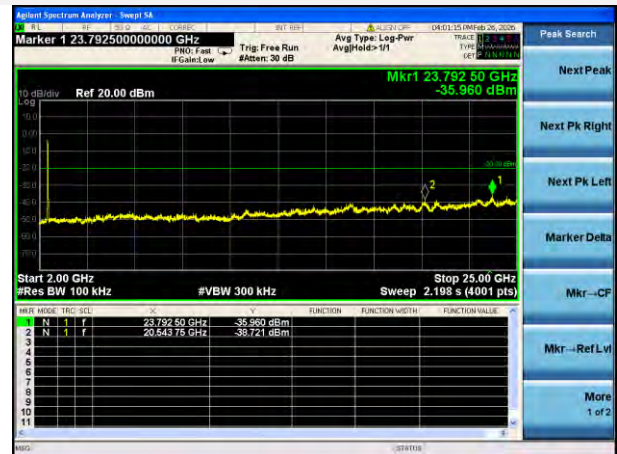
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



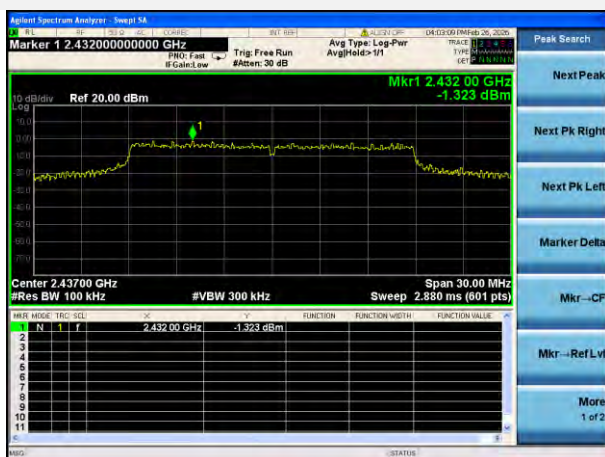
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



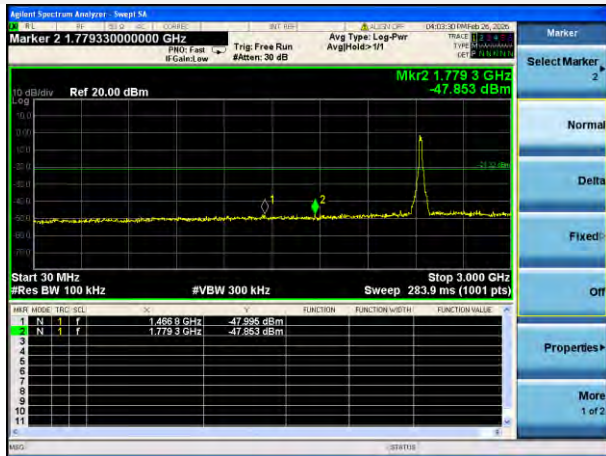
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

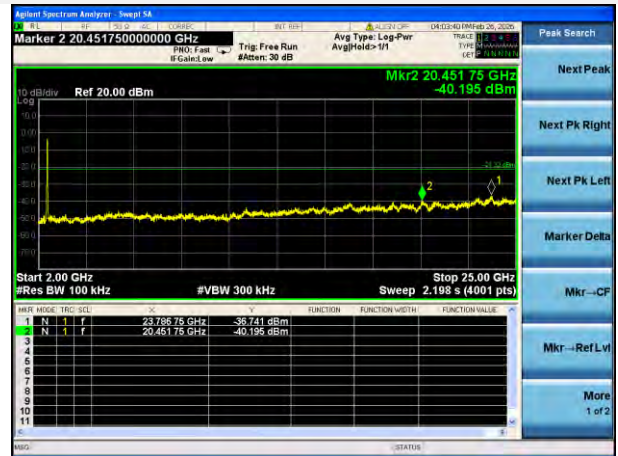
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



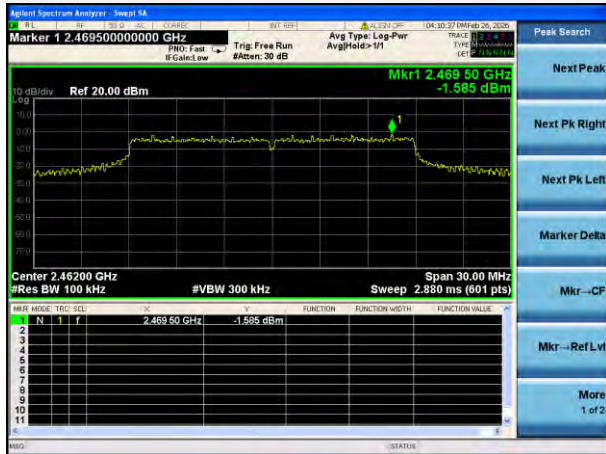
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



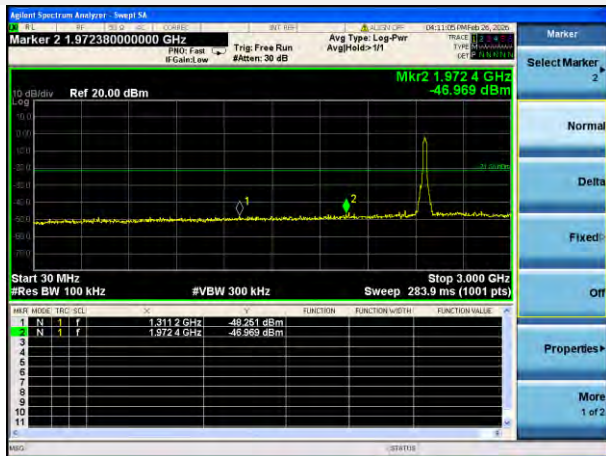
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



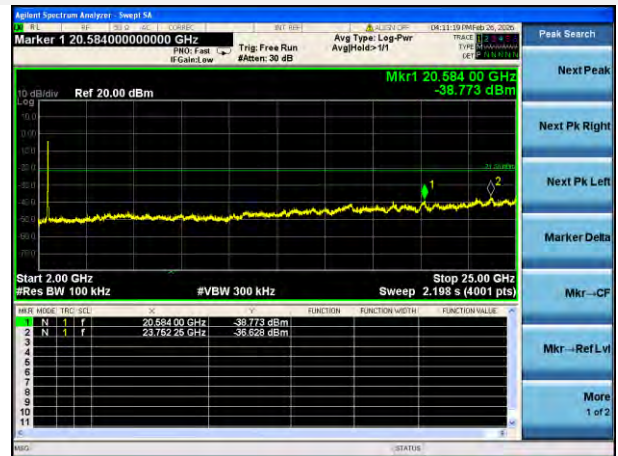
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



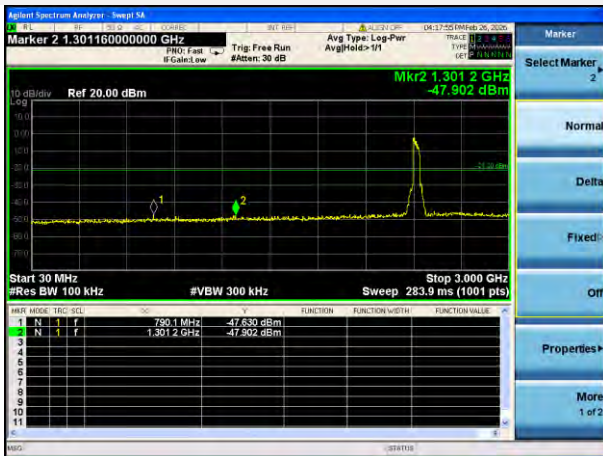
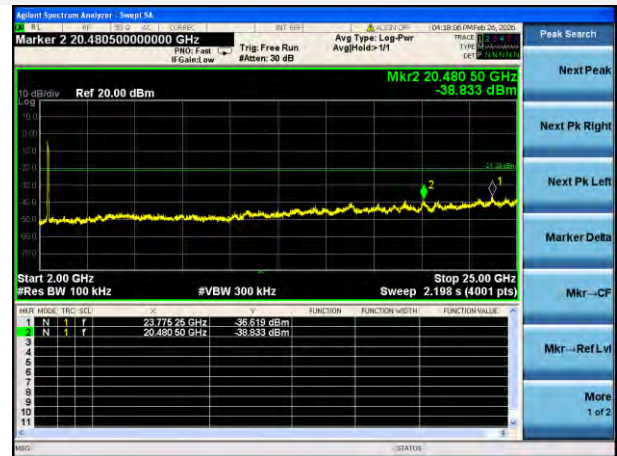
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



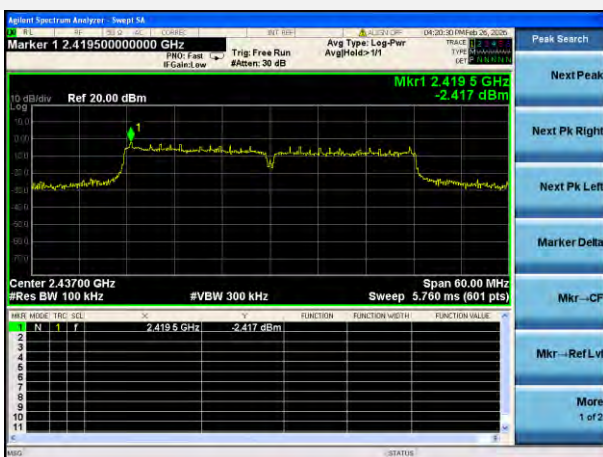
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



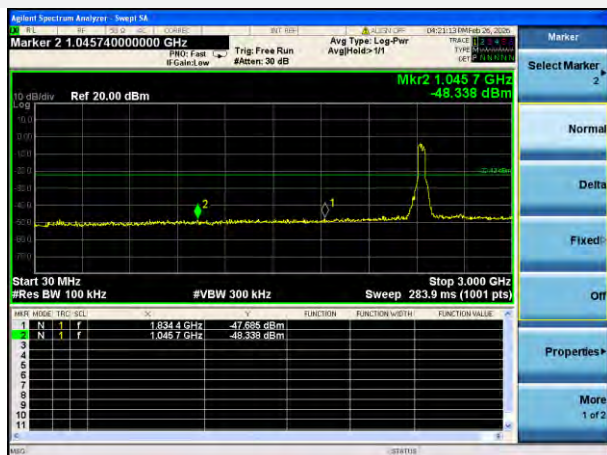
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

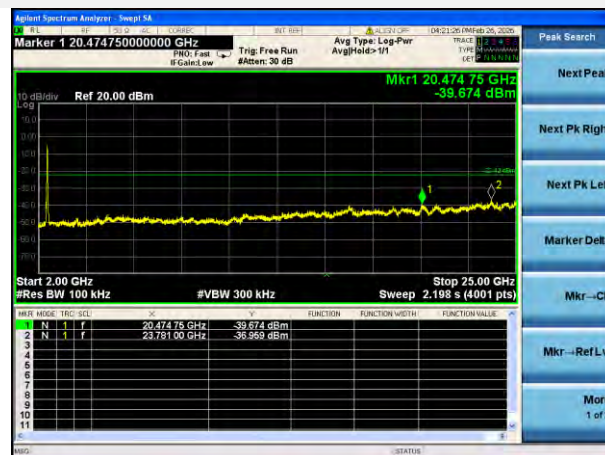
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



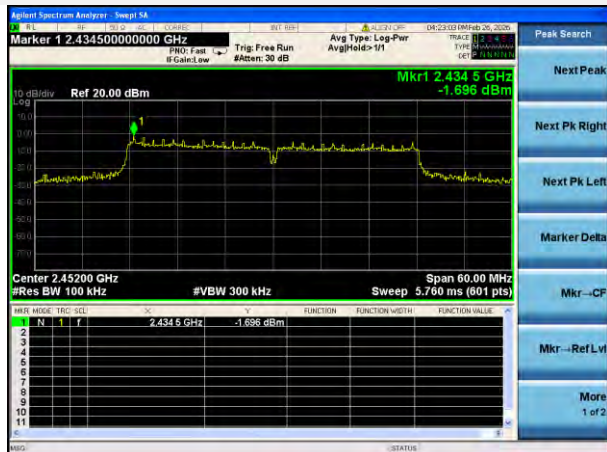
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



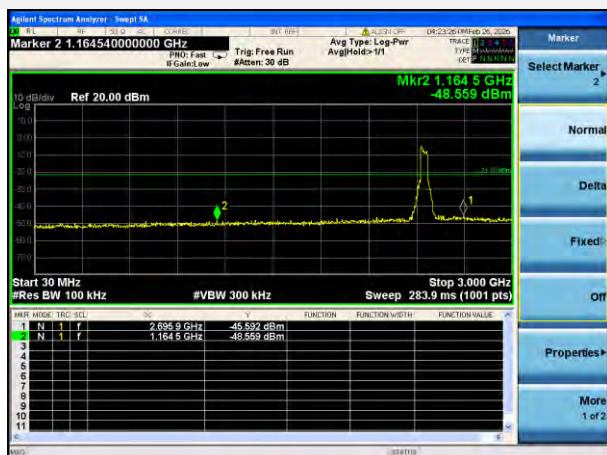
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



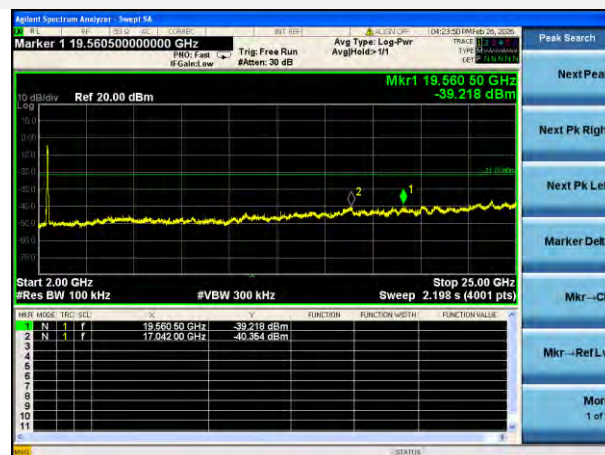
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



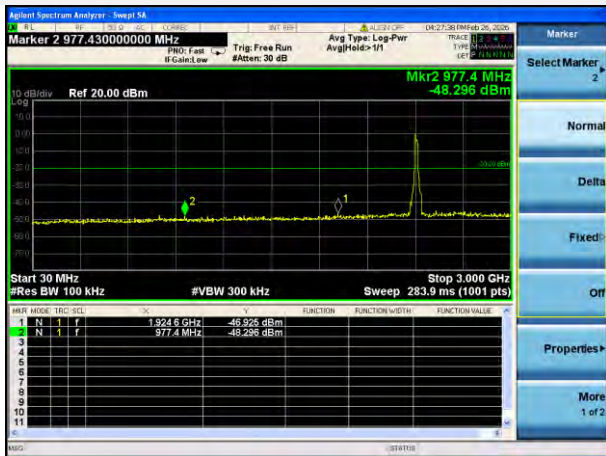
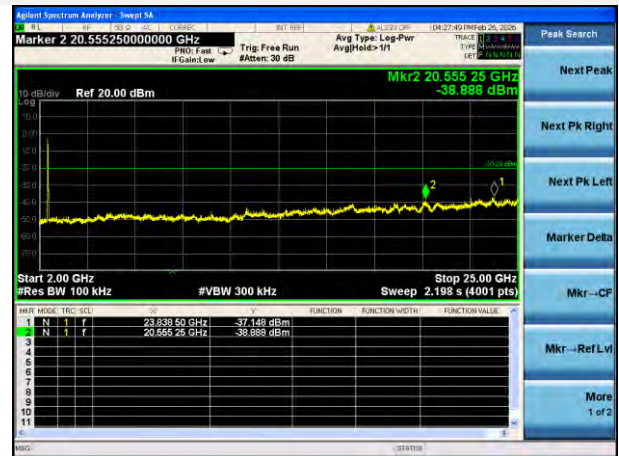
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



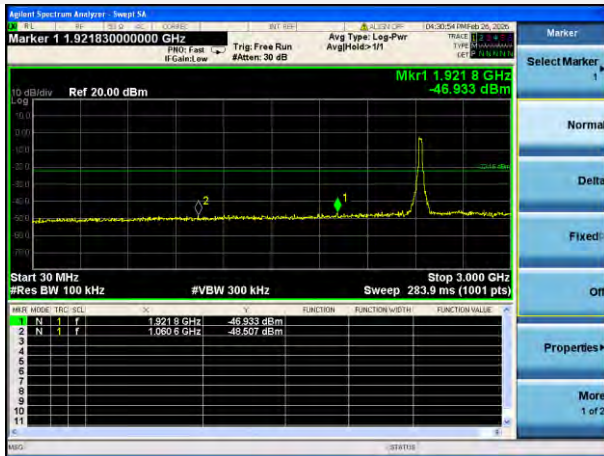
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



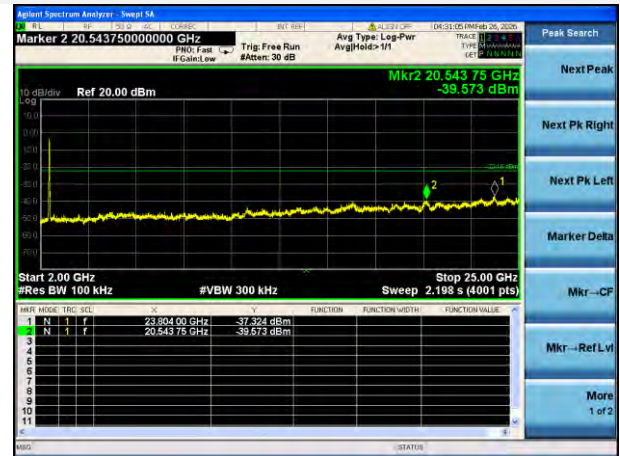
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

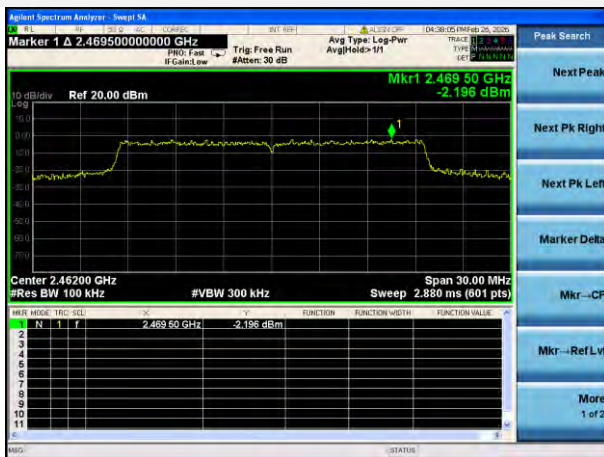
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



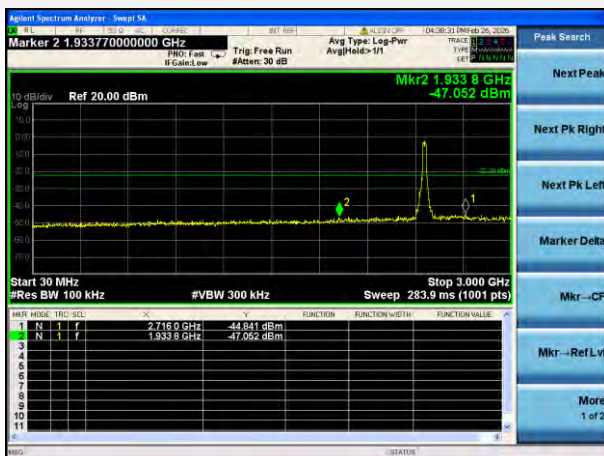
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



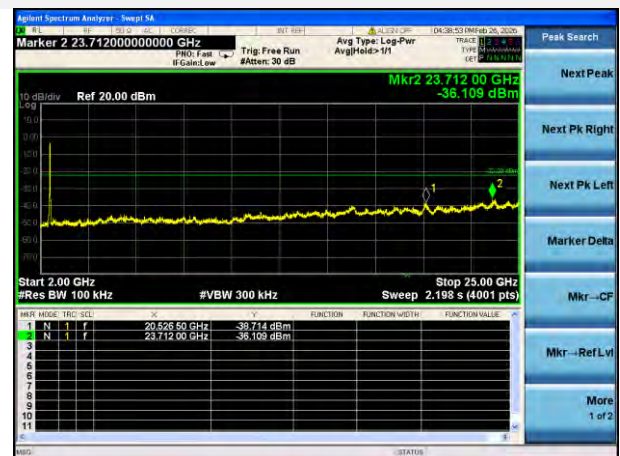
802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



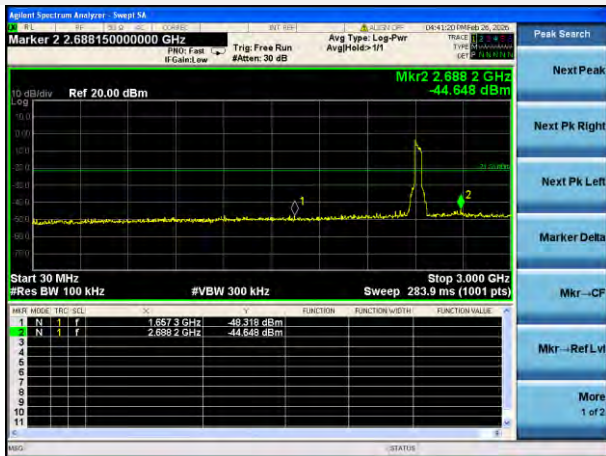
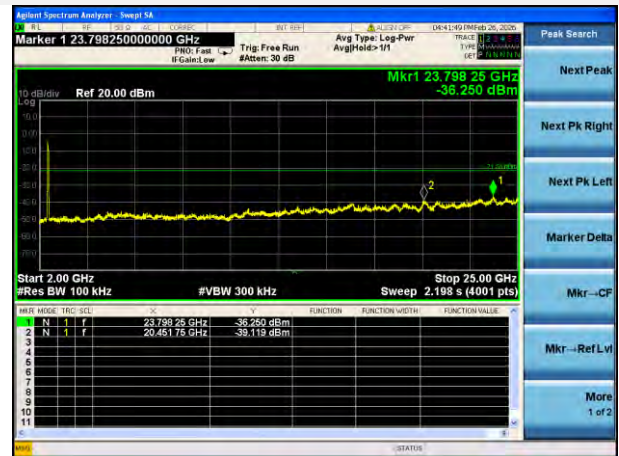
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



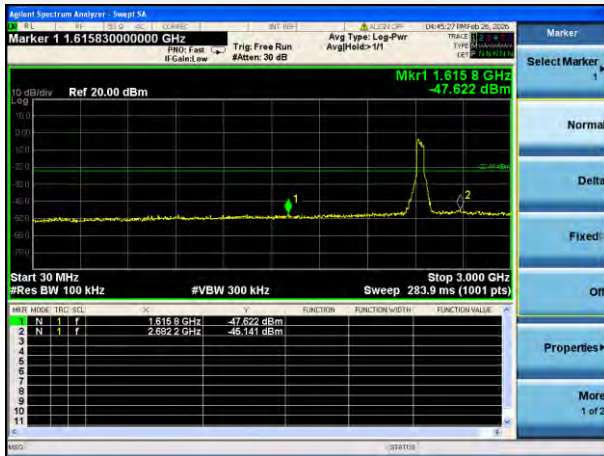
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



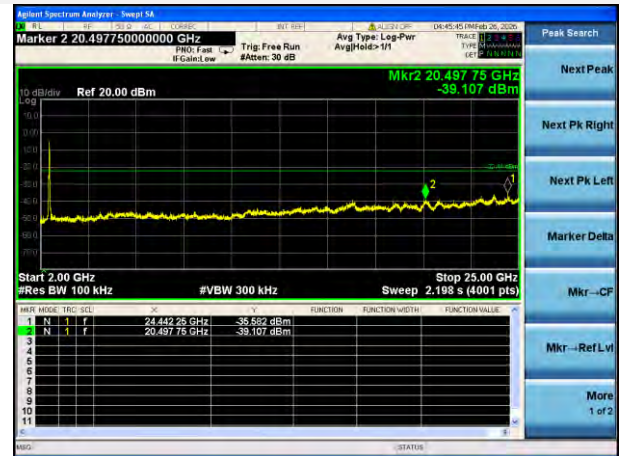
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

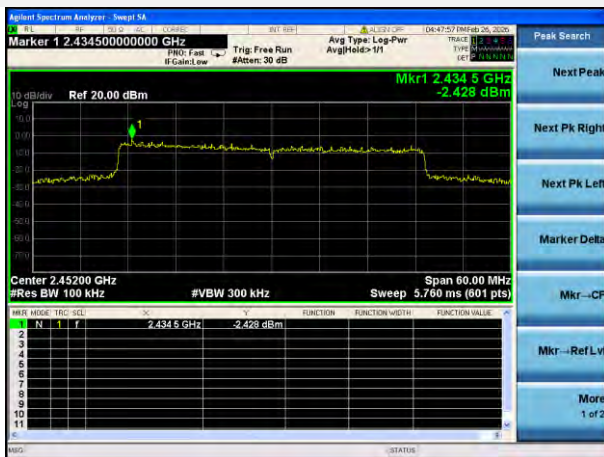
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



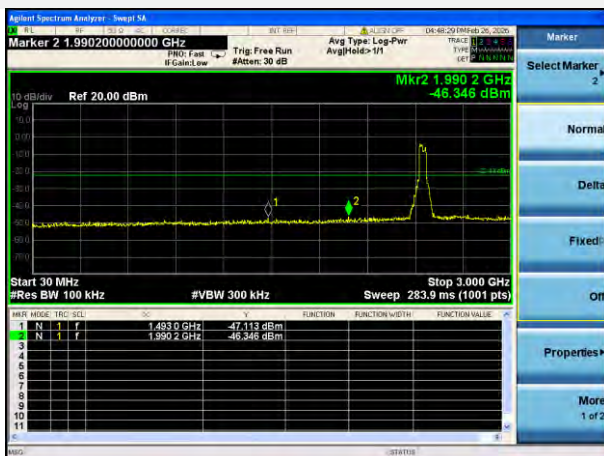
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



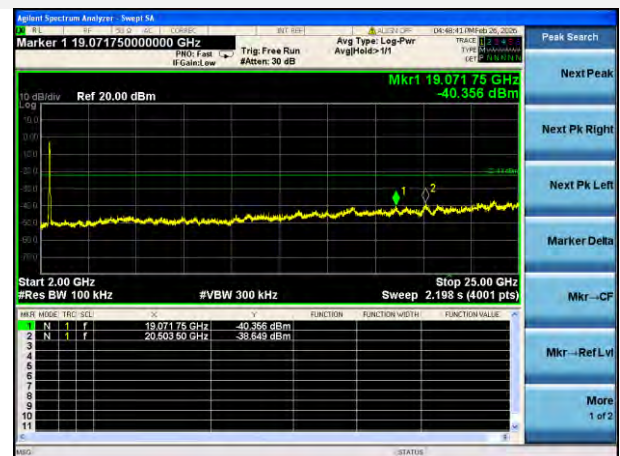
802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



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



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

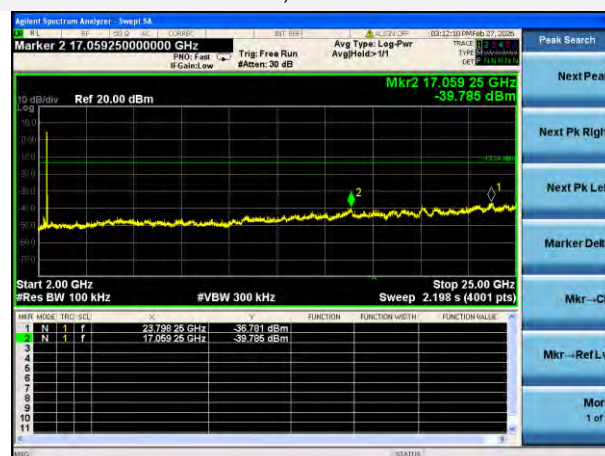
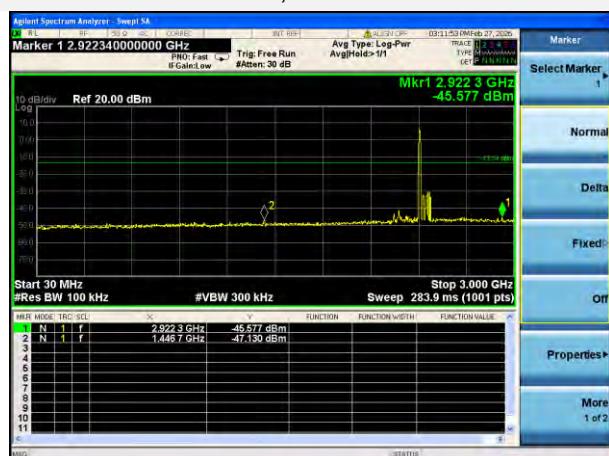


ANTB

802.11b LOW CHANNEL CARRIER LEVEL



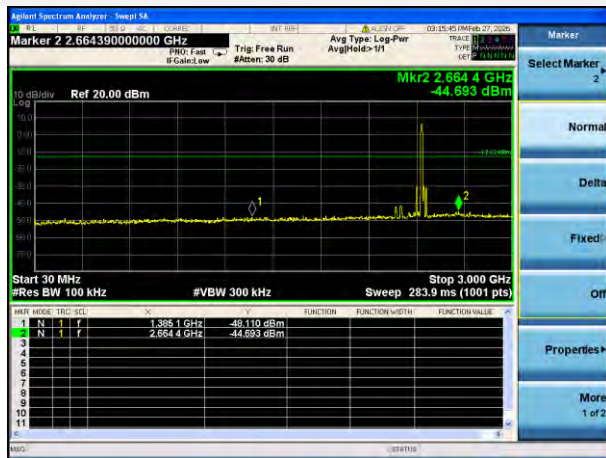
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



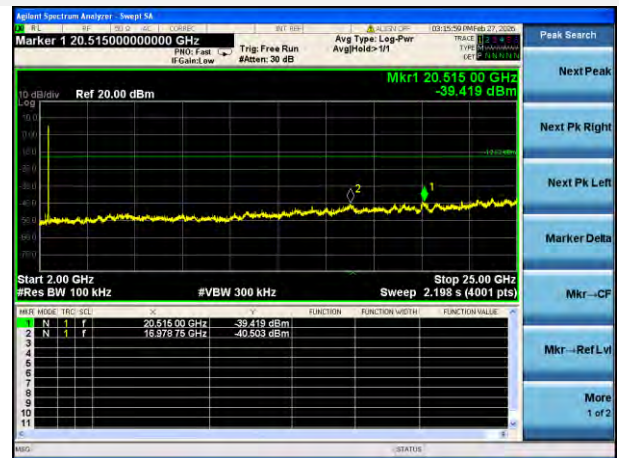
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



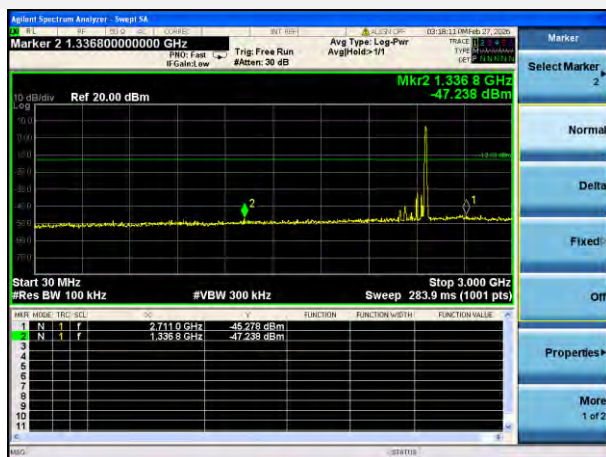
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



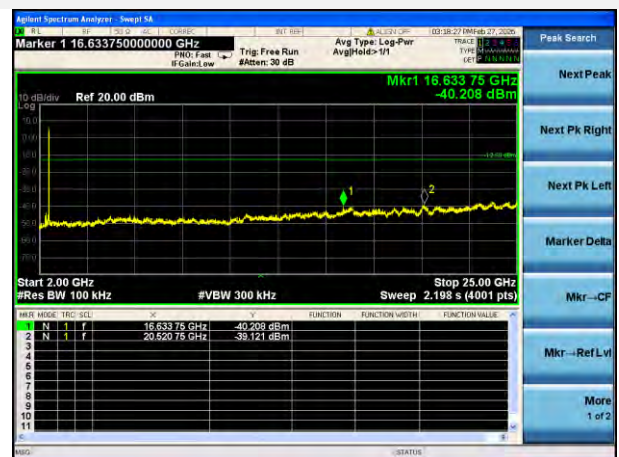
802.11b HIGH CHANNEL CARRIER LEVEL



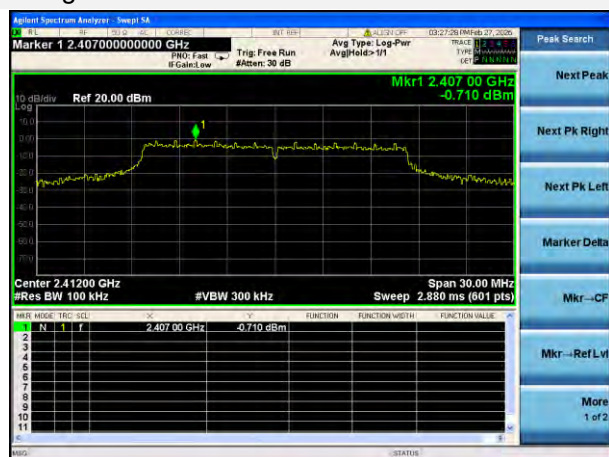
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



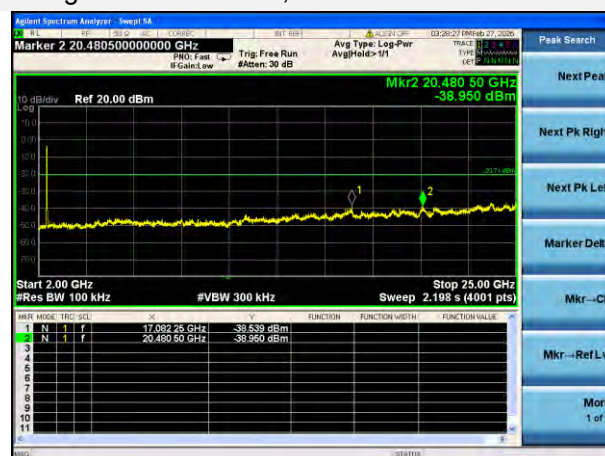
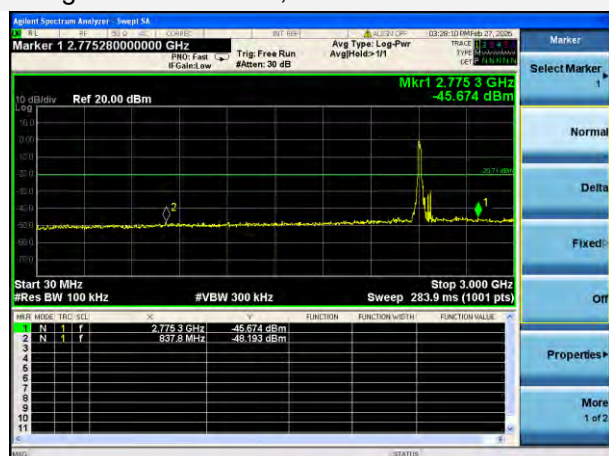
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



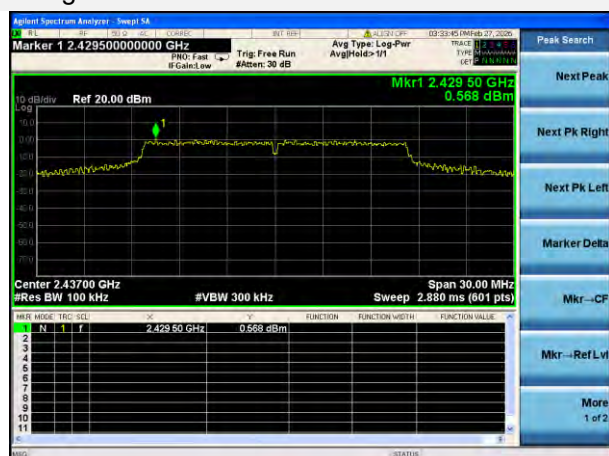
802.11g LOW CHANNEL CARRIER LEVEL



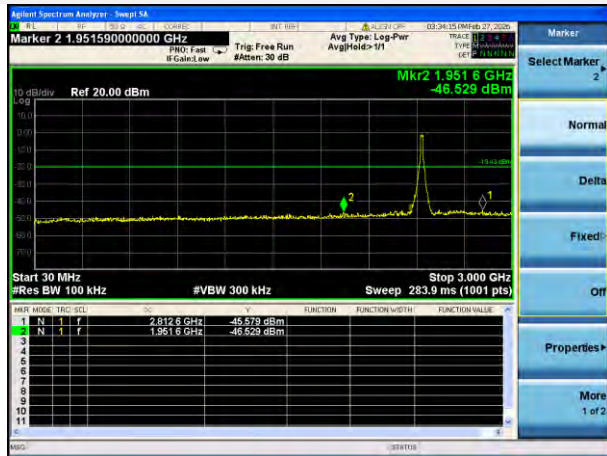
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



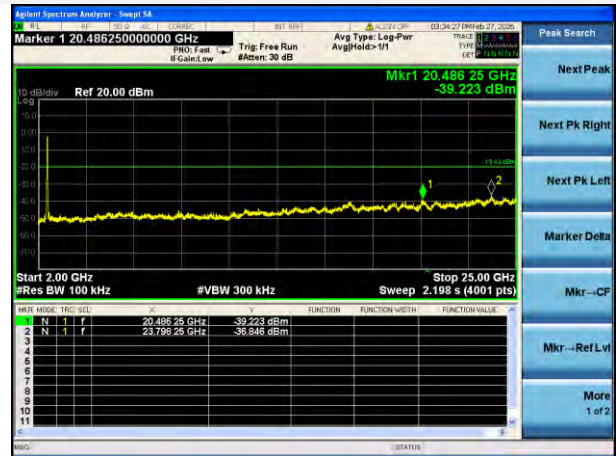
802.11g MIDDLE CHANNEL CARRIER LEVEL



802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



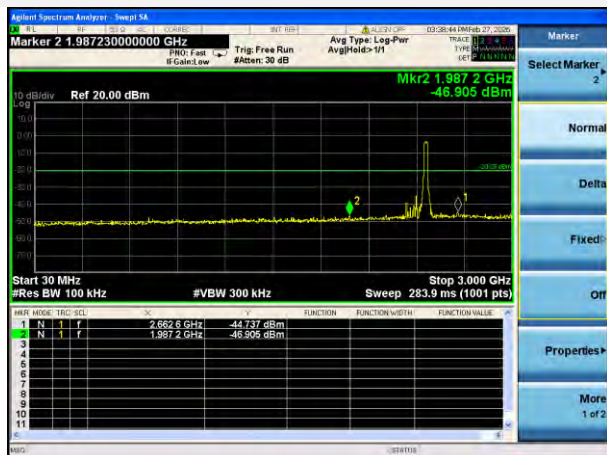
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



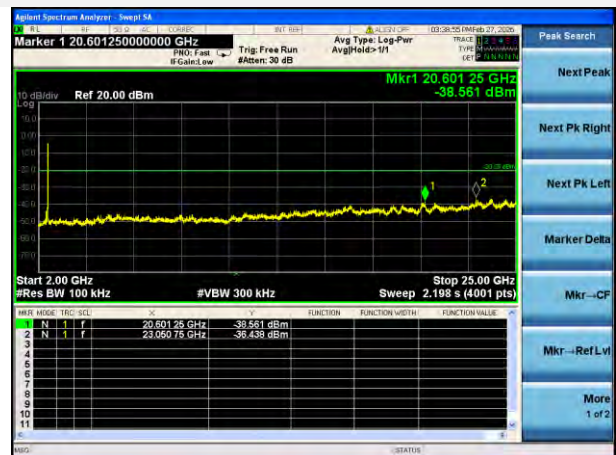
802.11g HIGH CHANNEL CARRIER LEVEL



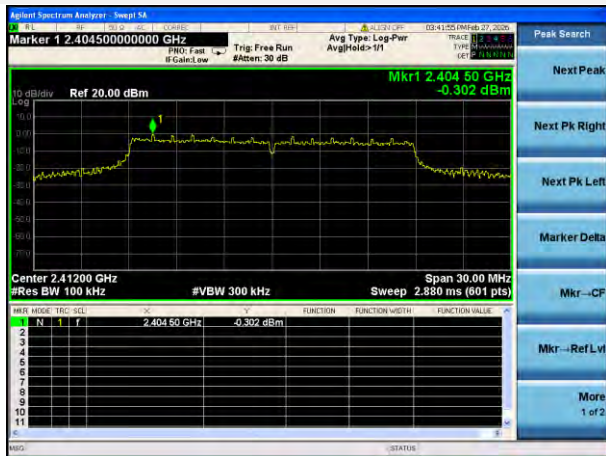
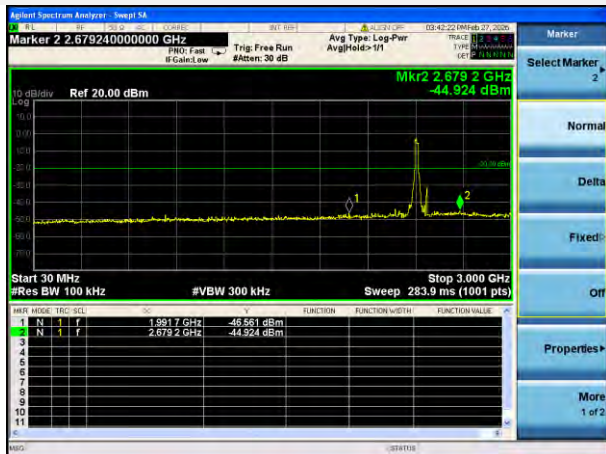
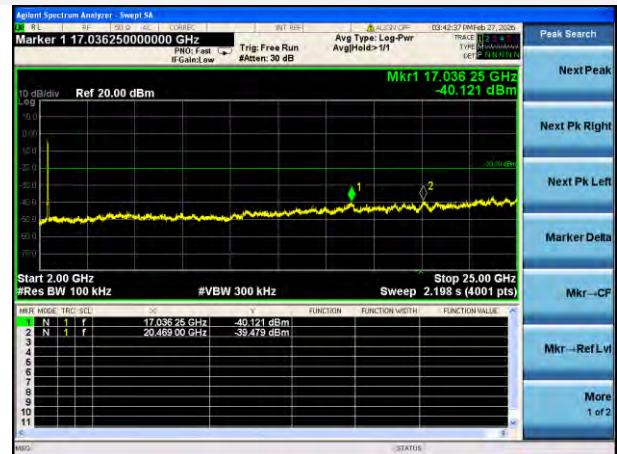
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



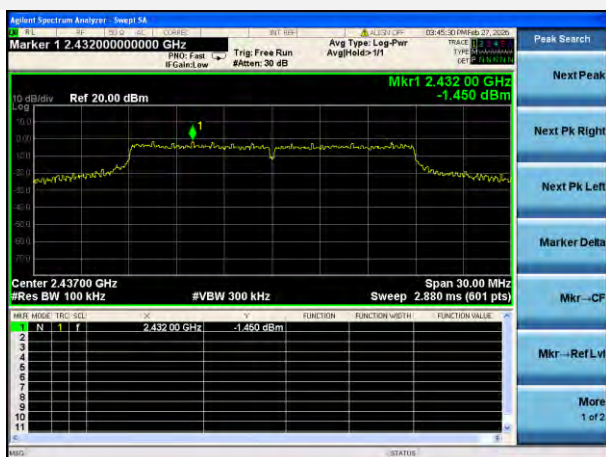
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



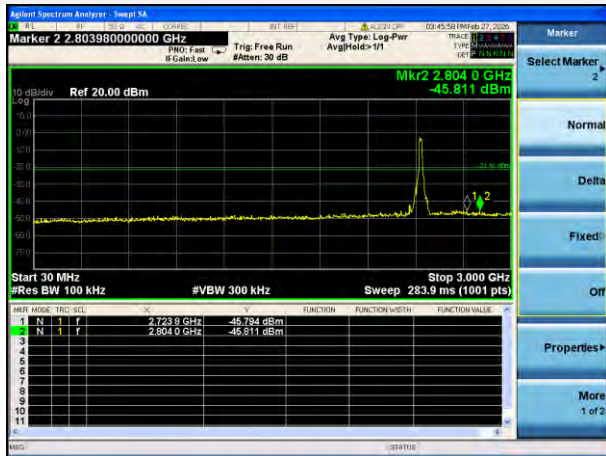
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

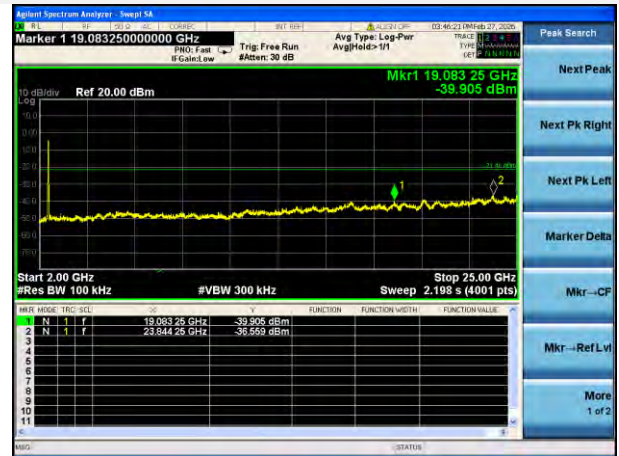
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



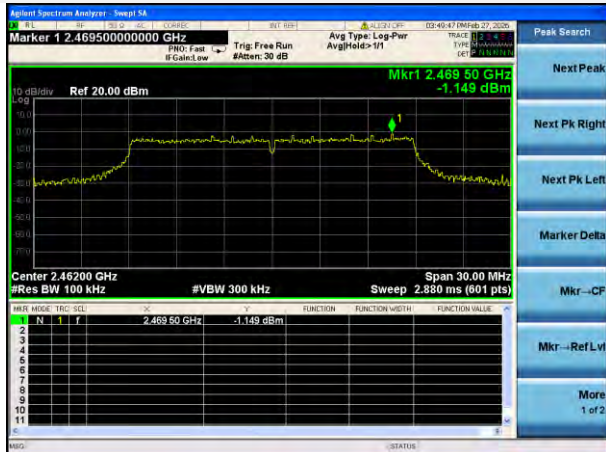
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



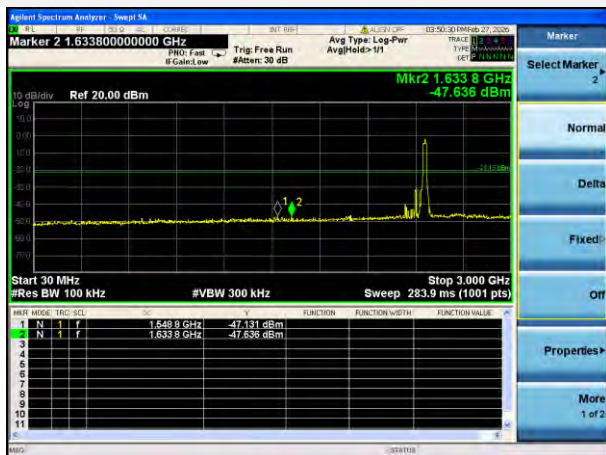
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



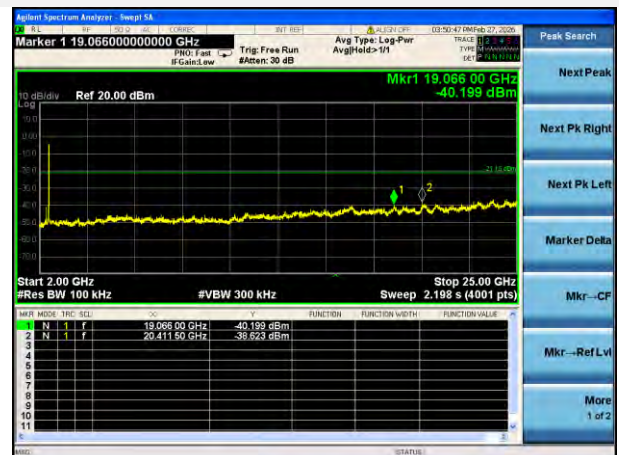
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



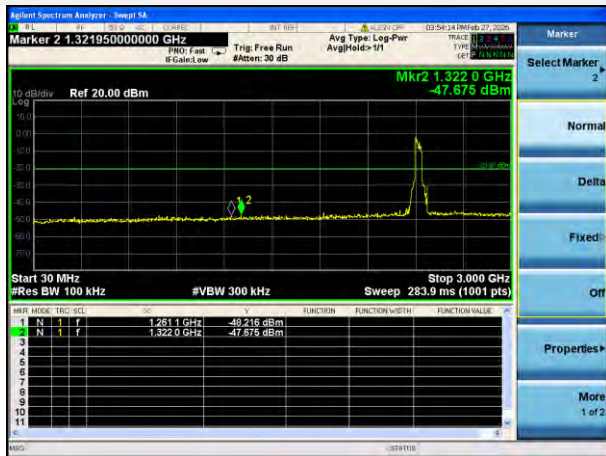
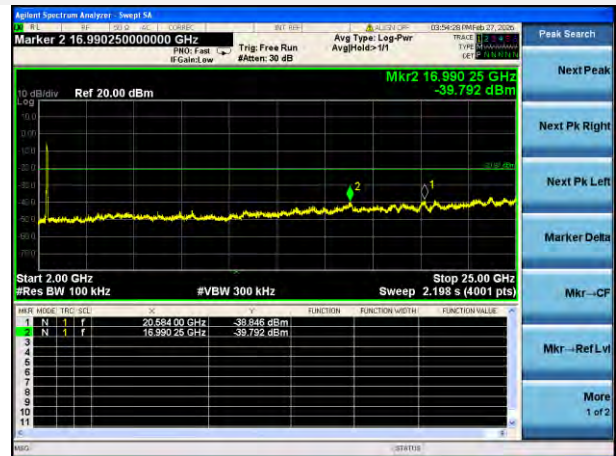
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



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



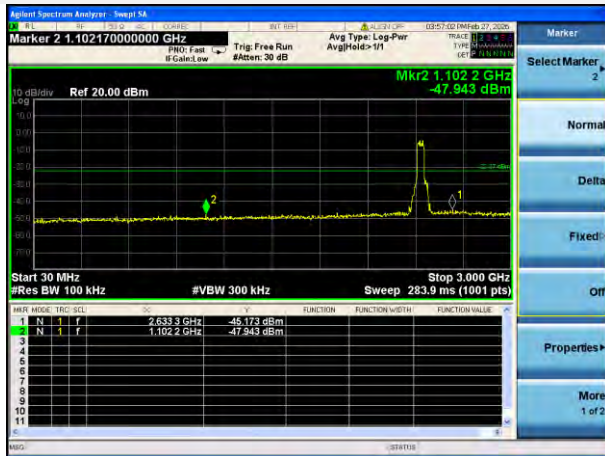
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

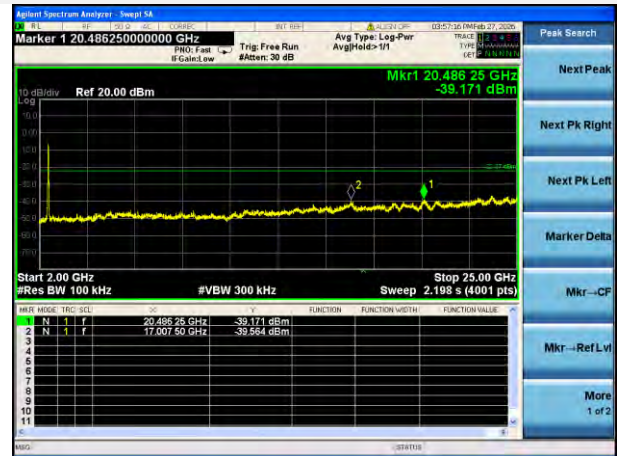
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



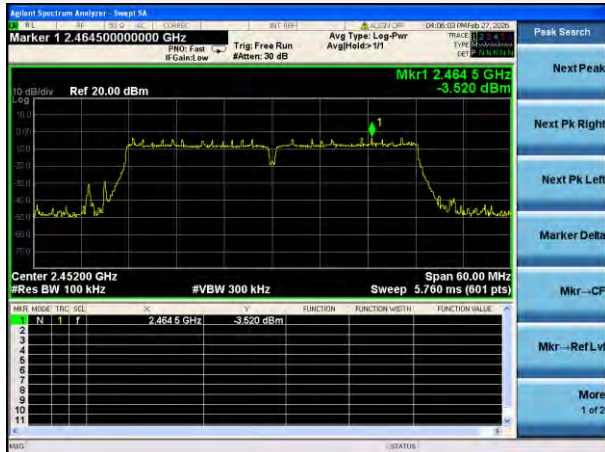
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



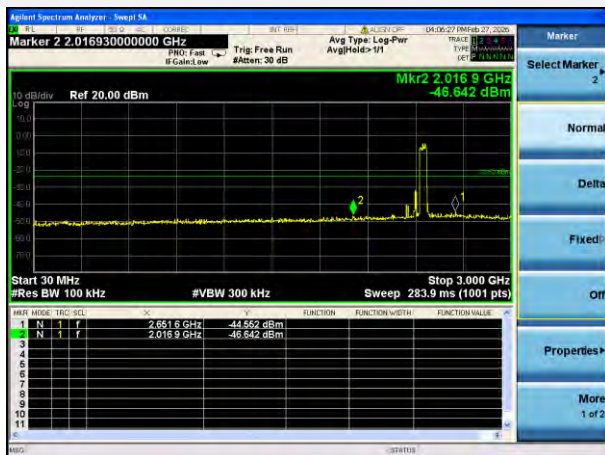
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



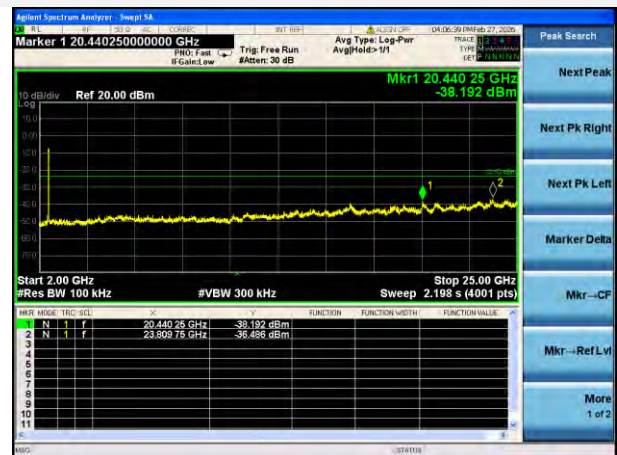
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



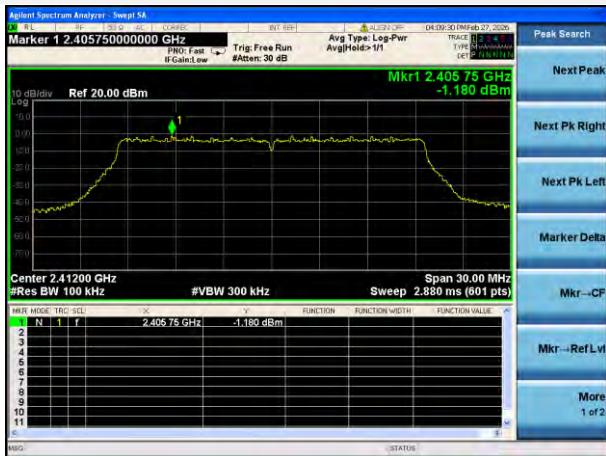
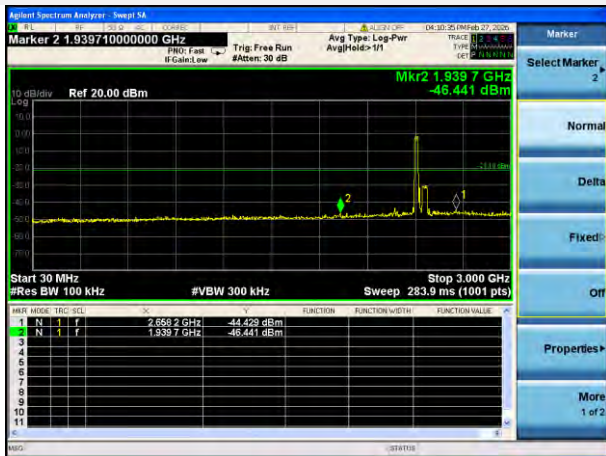
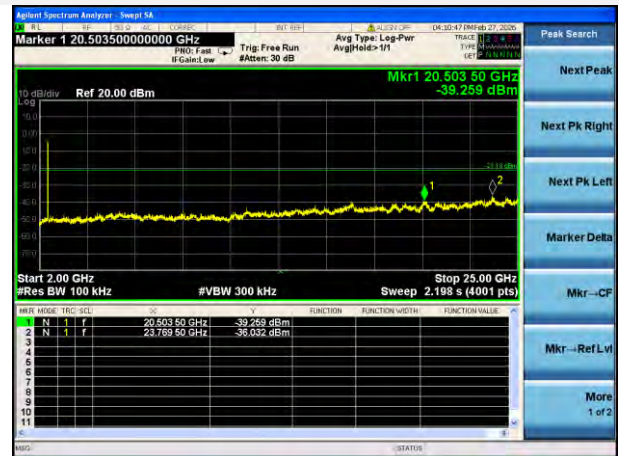
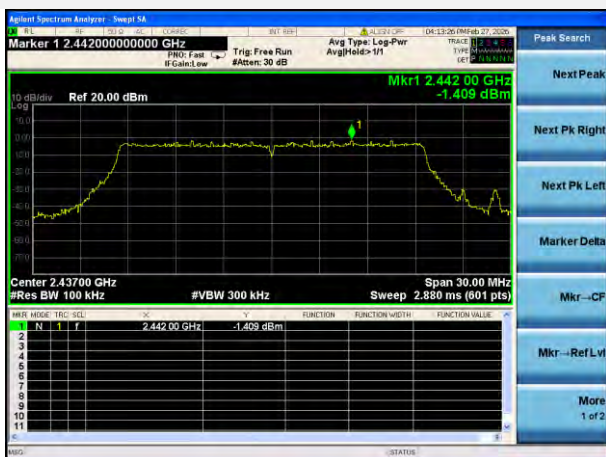
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



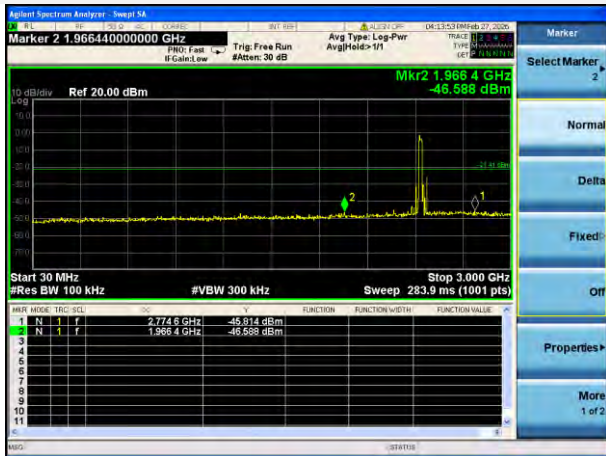
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



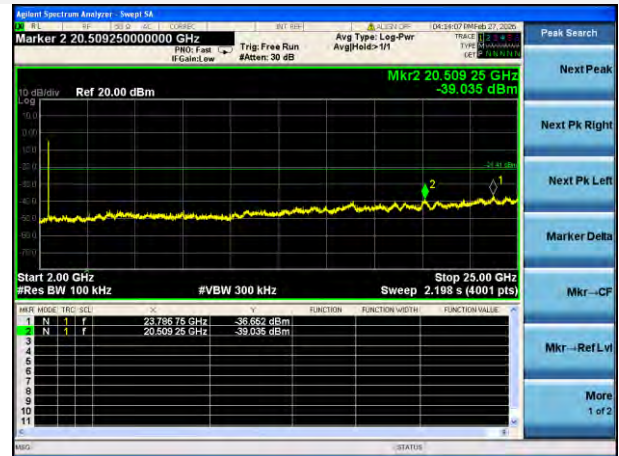
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

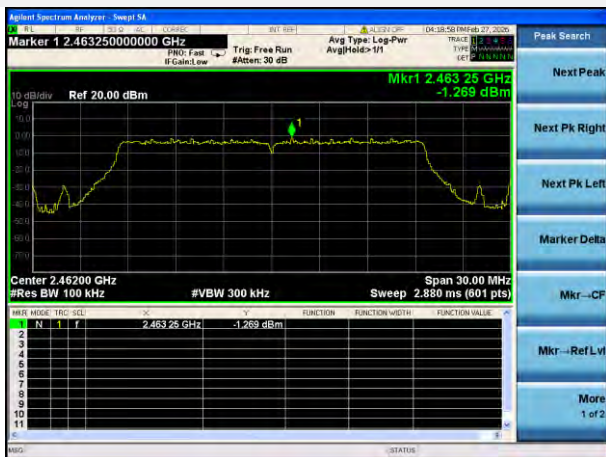
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



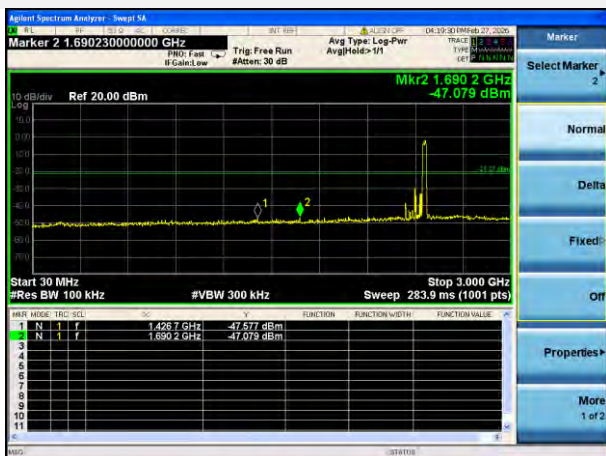
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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



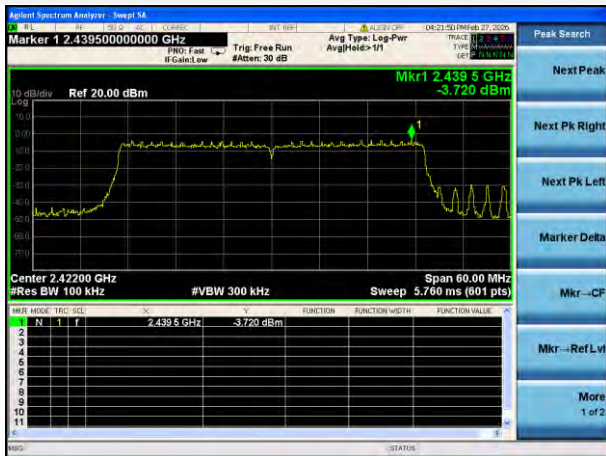
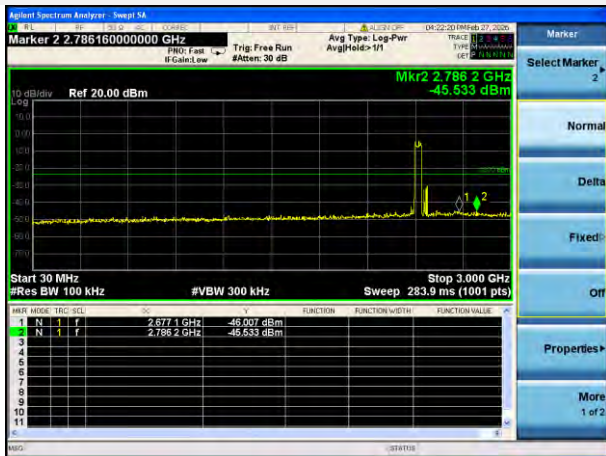
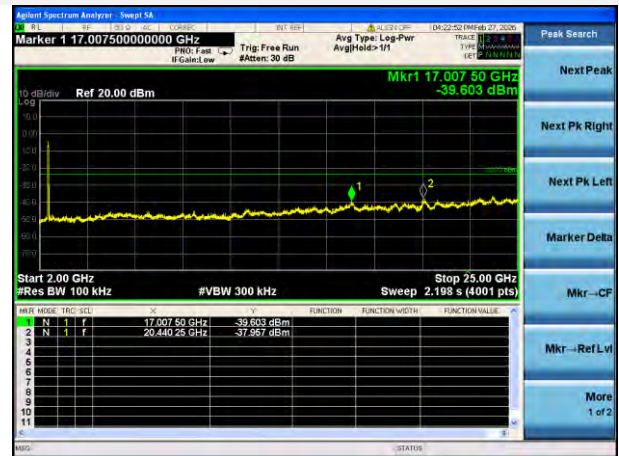
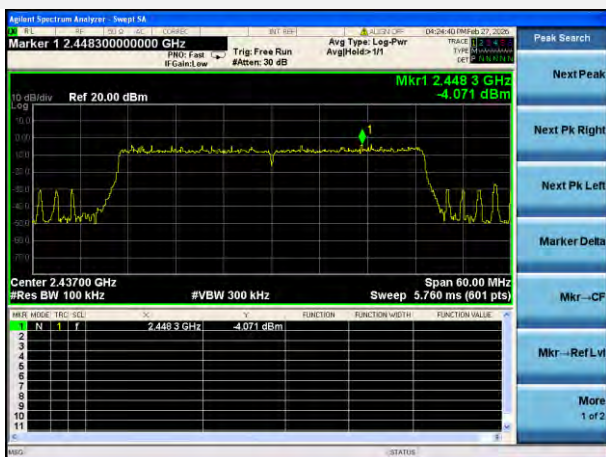
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



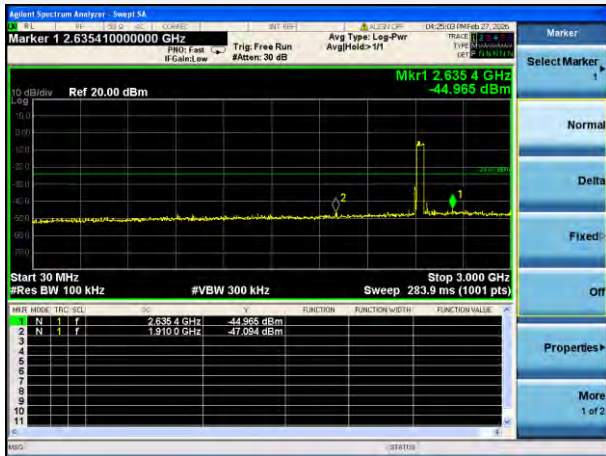
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



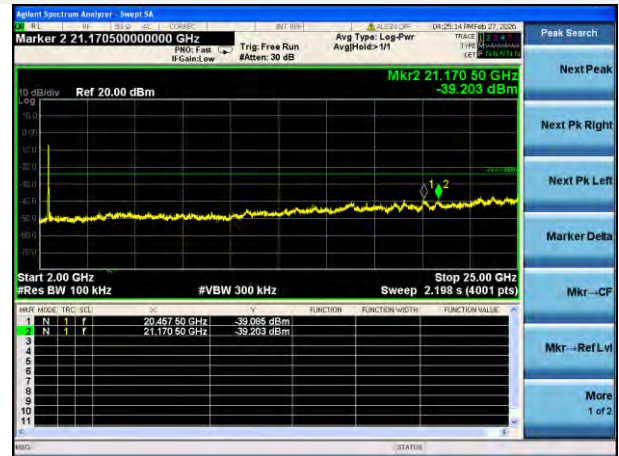
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

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

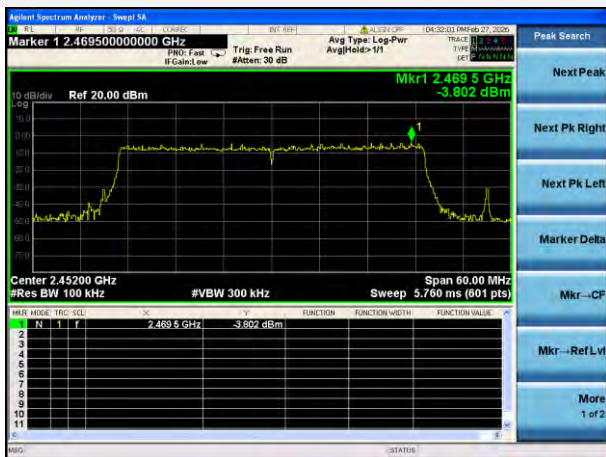
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



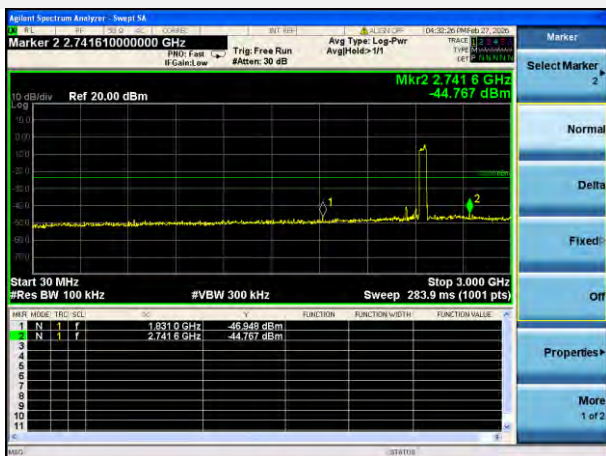
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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



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

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

Test Data

ANTA

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-45.91	5.98	-14.02	Pass
High Channel	-48.04	6.54	-13.46	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-23.14	-0.30	-20.30	Pass
High Channel	-29.24	-1.05	-21.05	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-22.23	-0.30	-20.30	Pass
High Channel	-28.29	-1.59	-21.59	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-27.27	-1.20	-21.20	Pass
High Channel	-25.52	-1.70	-21.70	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	-22.93	-0.20	-20.20	Pass
High Channel	-26.71	-2.20	-22.20	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	-28.84	-1.58	-21.58	Pass
High Channel	-25.33	-2.43	-22.43	Pass

ANTB

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-46.45	6.66	-13.34	Pass
High Channel	-46.02	7.41	-12.59	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-21.74	-0.71	-20.71	Pass
High Channel	-34.65	-0.56	-20.56	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-21.27	-0.30	-20.30	Pass
High Channel	-31.87	-1.15	-21.15	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-25.25	-0.97	-20.97	Pass
High Channel	-45.49	-3.52	-23.52	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	-38.57	-1.18	-21.18	Pass
High Channel	-44.81	-1.27	-21.27	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	-41.18	-3.72	-23.72	Pass
High Channel	-43.68	-3.80	-23.80	Pass

Test Plots

ANTA

802.11b LOW CHANNEL, CARRIER LEVEL



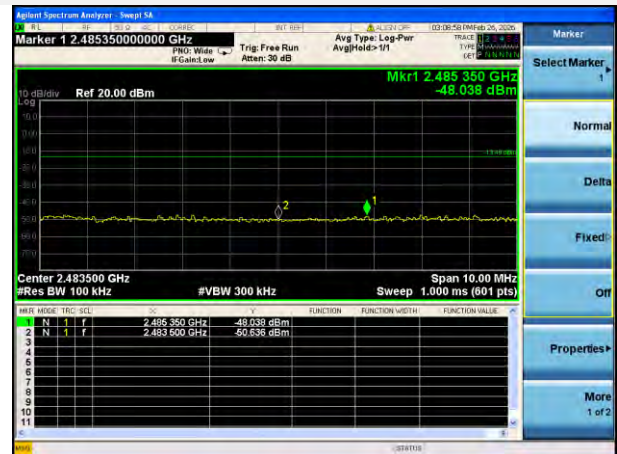
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



802.11g LOW CHANNEL, BAND EDGE



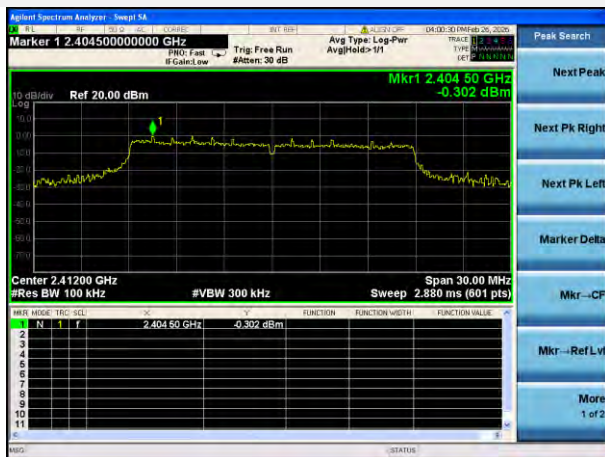
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



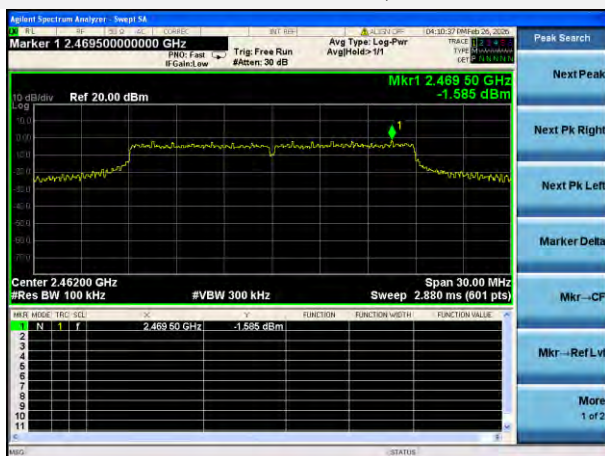
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



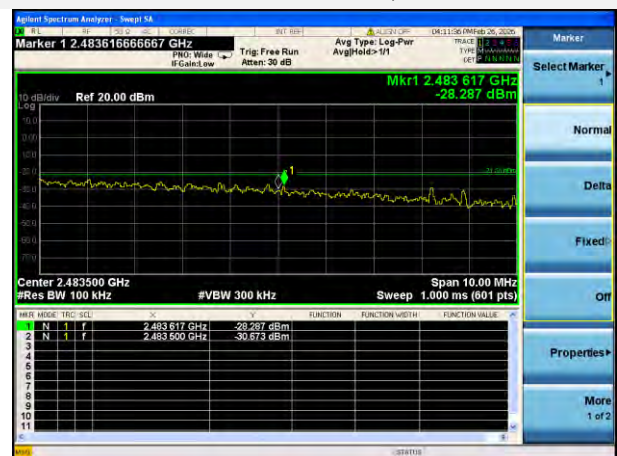
802.11n-20 MHz LOW CHANNEL, BAND EDGE



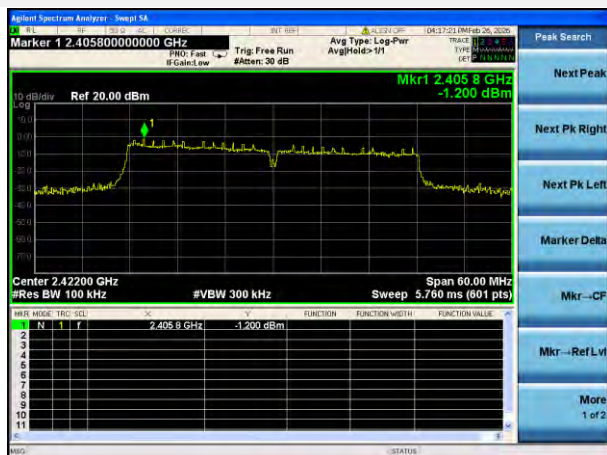
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



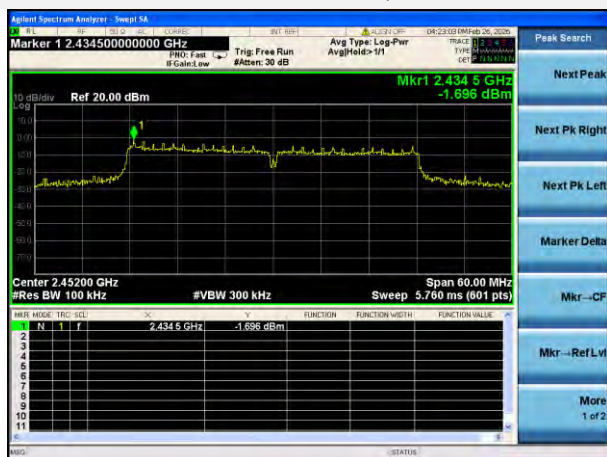
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



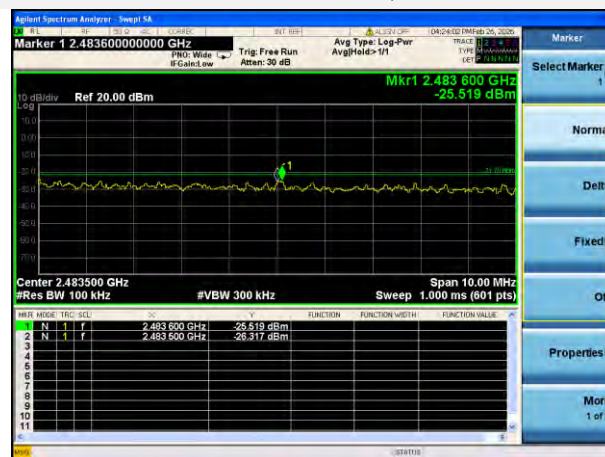
802.11n-40 MHz LOW CHANNEL, BAND EDGE



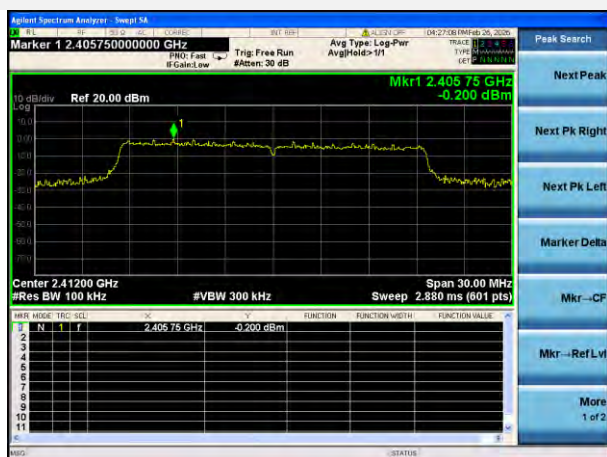
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



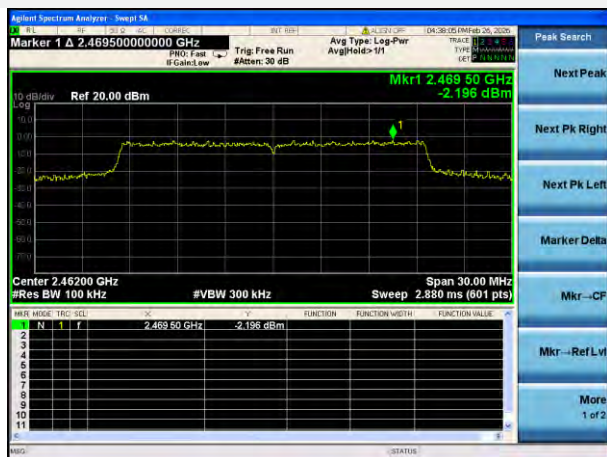
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



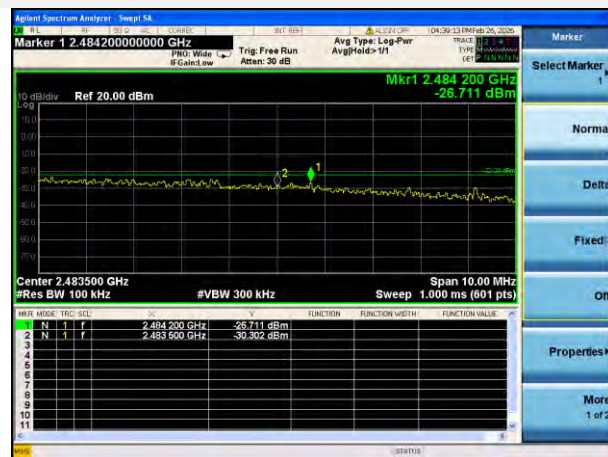
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



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



ANTB

802.11b LOW CHANNEL, CARRIER LEVEL



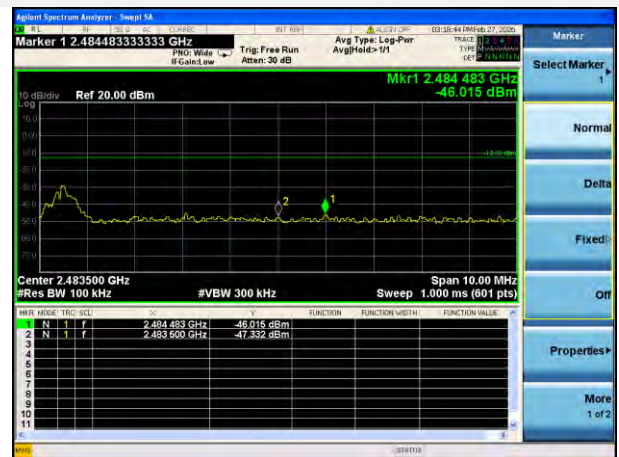
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



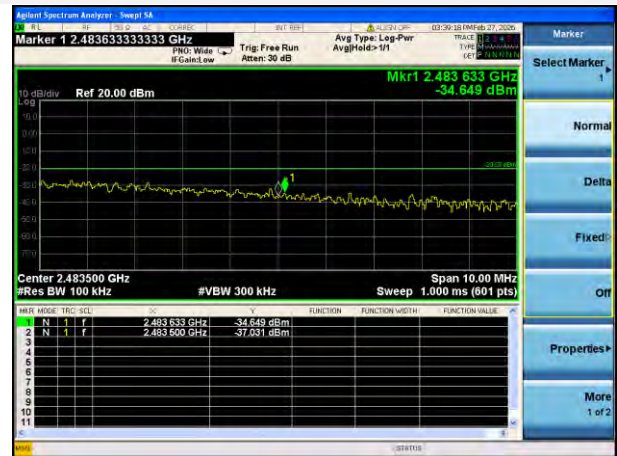
802.11g LOW CHANNEL, BAND EDGE



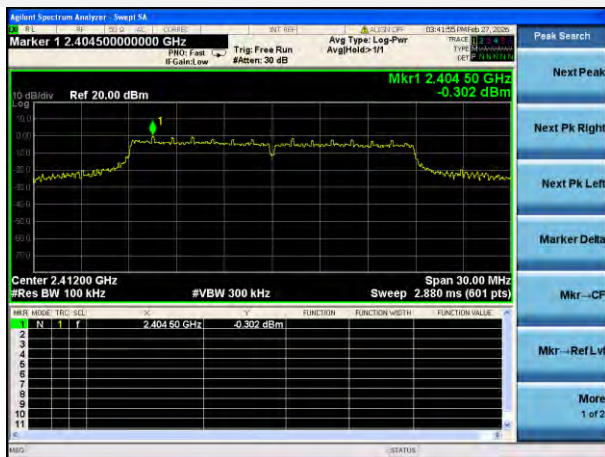
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



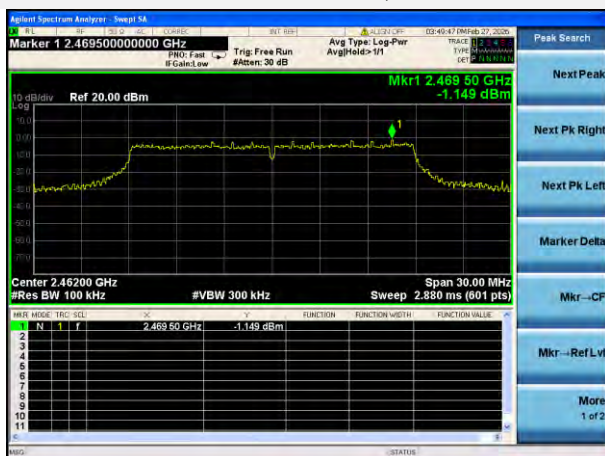
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



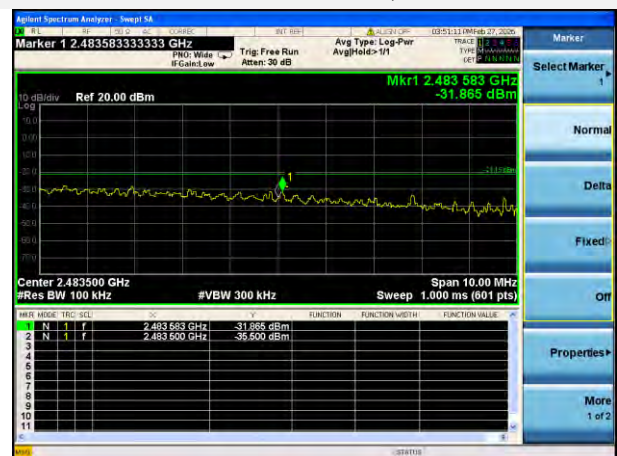
802.11n-20 MHz LOW CHANNEL, BAND EDGE



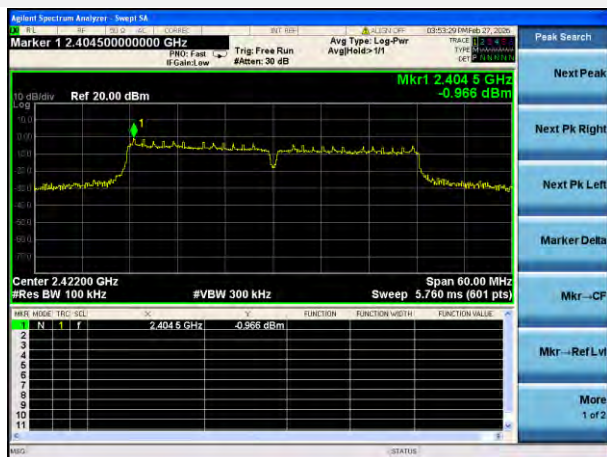
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



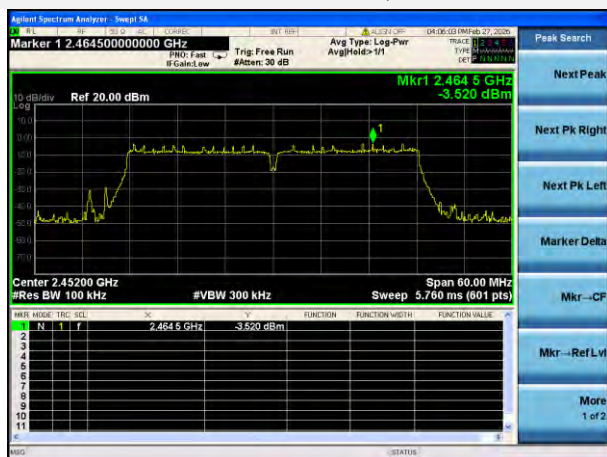
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



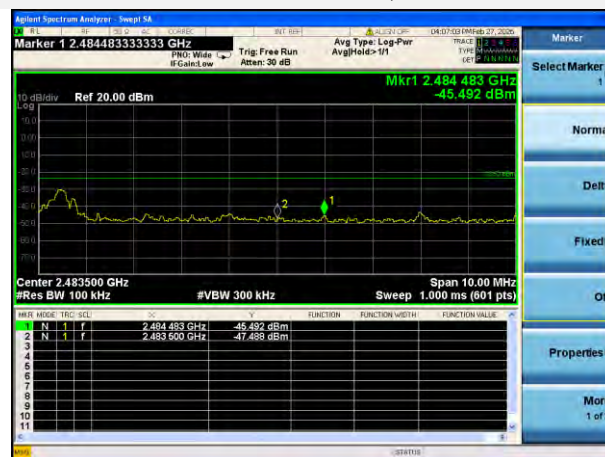
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



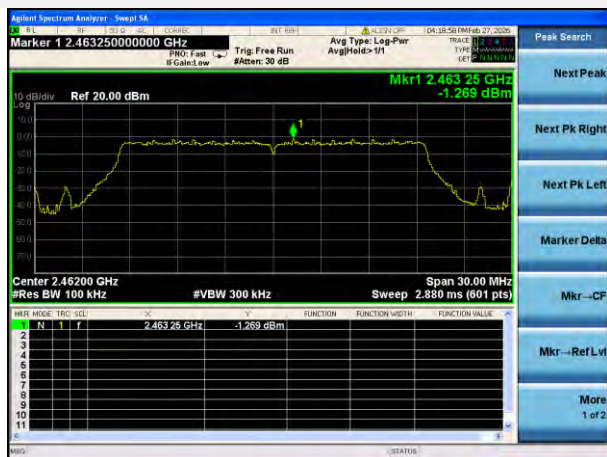
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



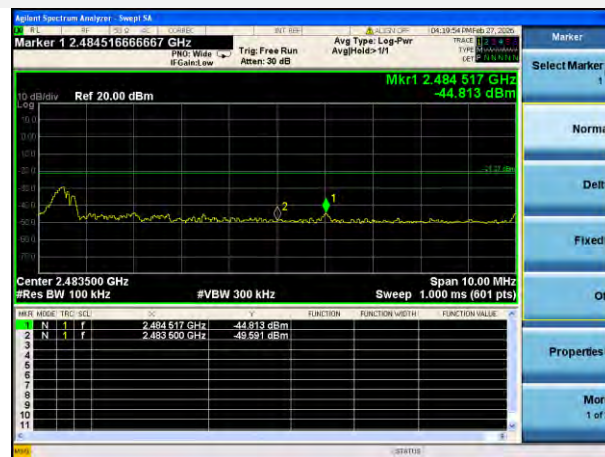
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



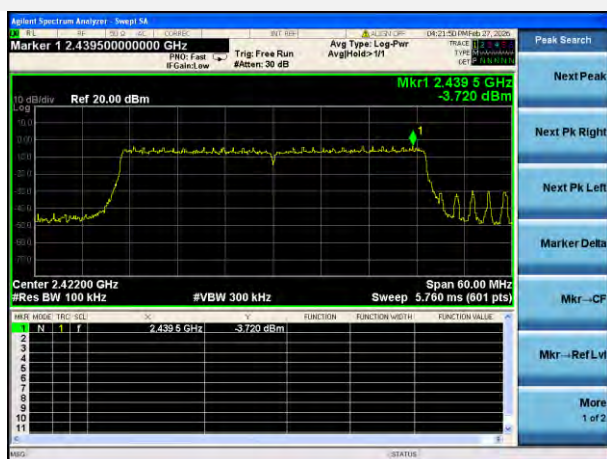
802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



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



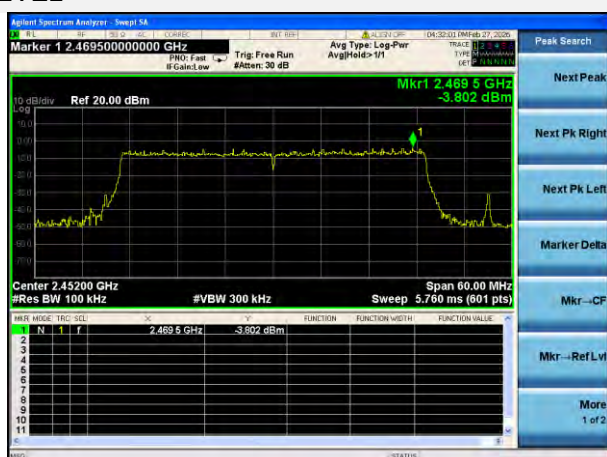
802.11ax-40 MHz(SU) LOW CHANNEL, CARRIER LEVEL



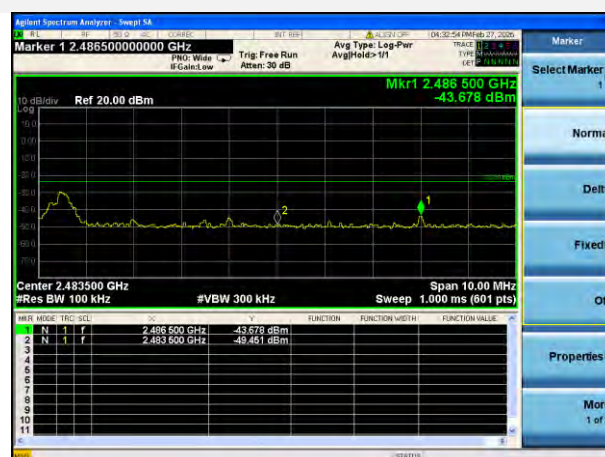
802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



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



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



A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

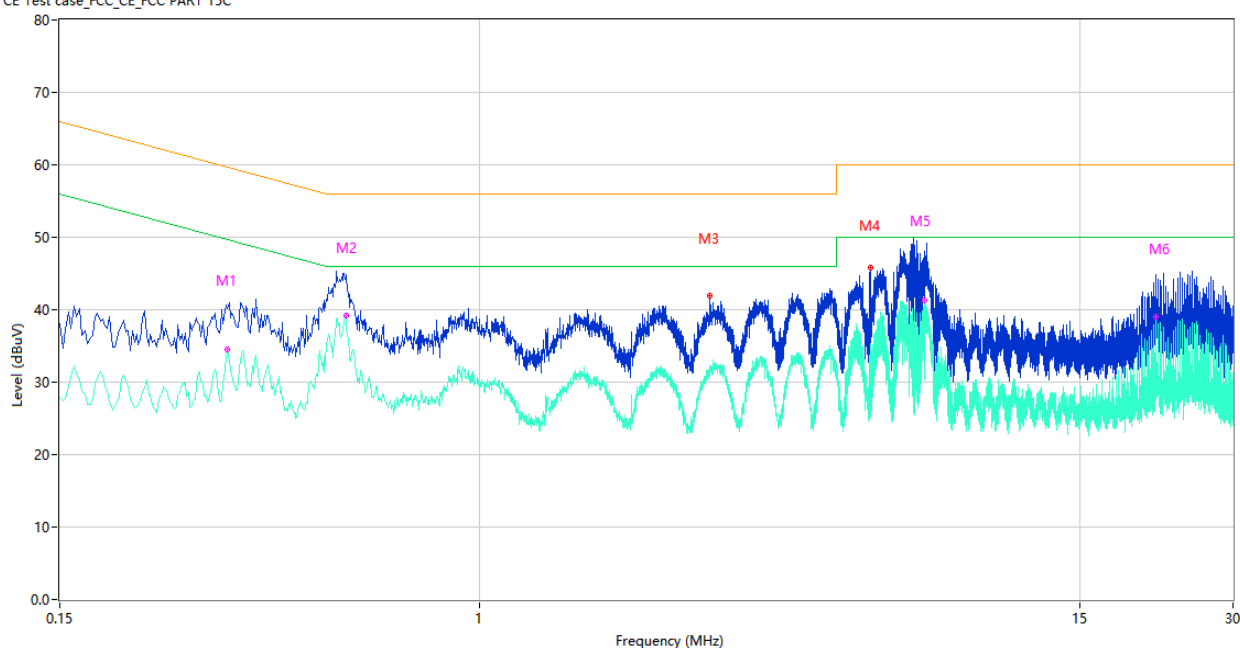
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

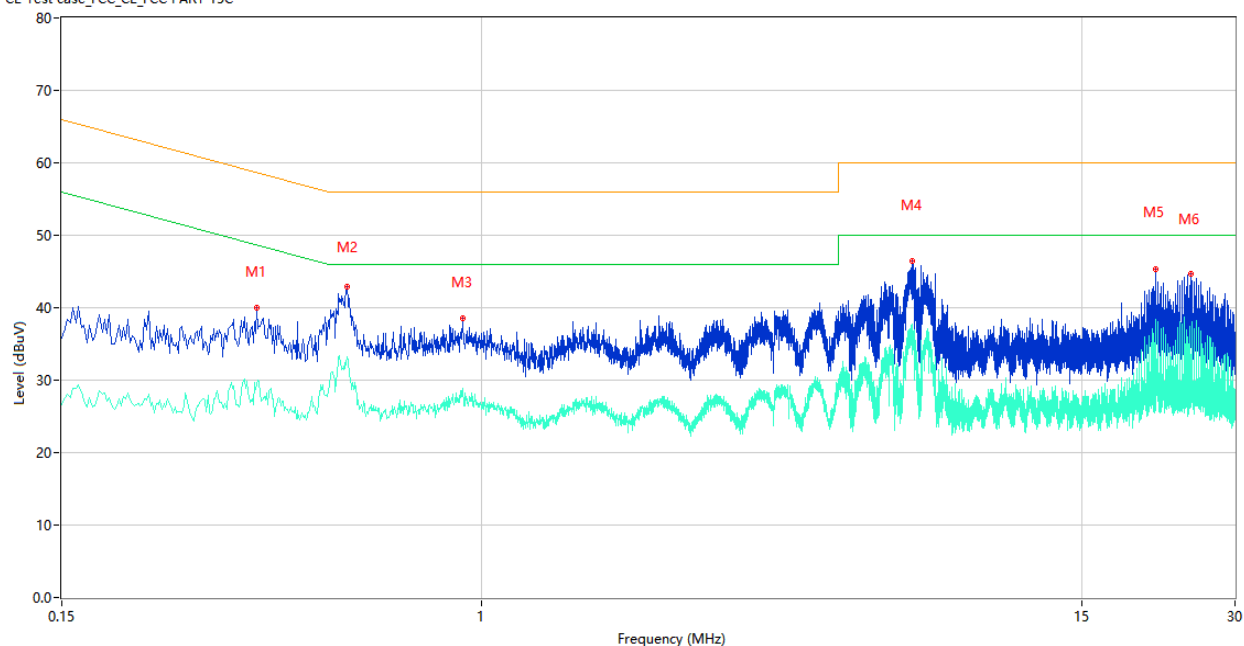
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.320	40.21	10.22	59.71	19.50	Peak	L	Pass
1**	0.320	34.44	10.22	49.71	15.27	AV	L	Pass
2	0.546	44.84	10.09	56.00	11.16	Peak	L	Pass
2**	0.546	39.17	10.09	46.00	6.83	AV	L	Pass
3	2.824	41.95	10.09	56.00	14.05	Peak	L	Pass
3**	2.824	31.48	10.09	46.00	14.52	AV	L	Pass
4	5.850	45.86	10.27	60.00	14.14	Peak	L	Pass
4**	5.850	35.40	10.27	50.00	14.60	AV	L	Pass
5	7.434	46.95	10.49	60.00	13.05	Peak	L	Pass
5**	7.434	41.32	10.49	50.00	8.68	AV	L	Pass
6	21.186	44.76	11.18	60.00	15.24	Peak	L	Pass
6**	21.186	39.00	11.18	50.00	11.00	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	0.362	40.07	10.77	58.68	18.61	Peak	N	Pass
1**	0.362	29.55	10.77	48.68	19.13	AV	N	Pass
2	0.544	42.83	10.08	56.00	13.17	Peak	N	Pass
2**	0.544	33.20	10.08	46.00	12.80	AV	N	Pass
3	0.916	38.54	10.21	56.00	17.46	Peak	N	Pass
3**	0.916	28.83	10.21	46.00	17.17	AV	N	Pass
4	6.976	46.38	10.15	60.00	13.62	Peak	N	Pass
4**	6.976	36.63	10.15	50.00	13.37	AV	N	Pass
5	20.974	45.38	11.06	60.00	14.62	Peak	N	Pass
5**	20.974	32.32	11.06	50.00	17.68	AV	N	Pass
6	24.606	44.71	11.09	60.00	15.29	Peak	N	Pass
6**	24.606	31.84	11.09	50.00	18.16	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 C63.10-2020, 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.

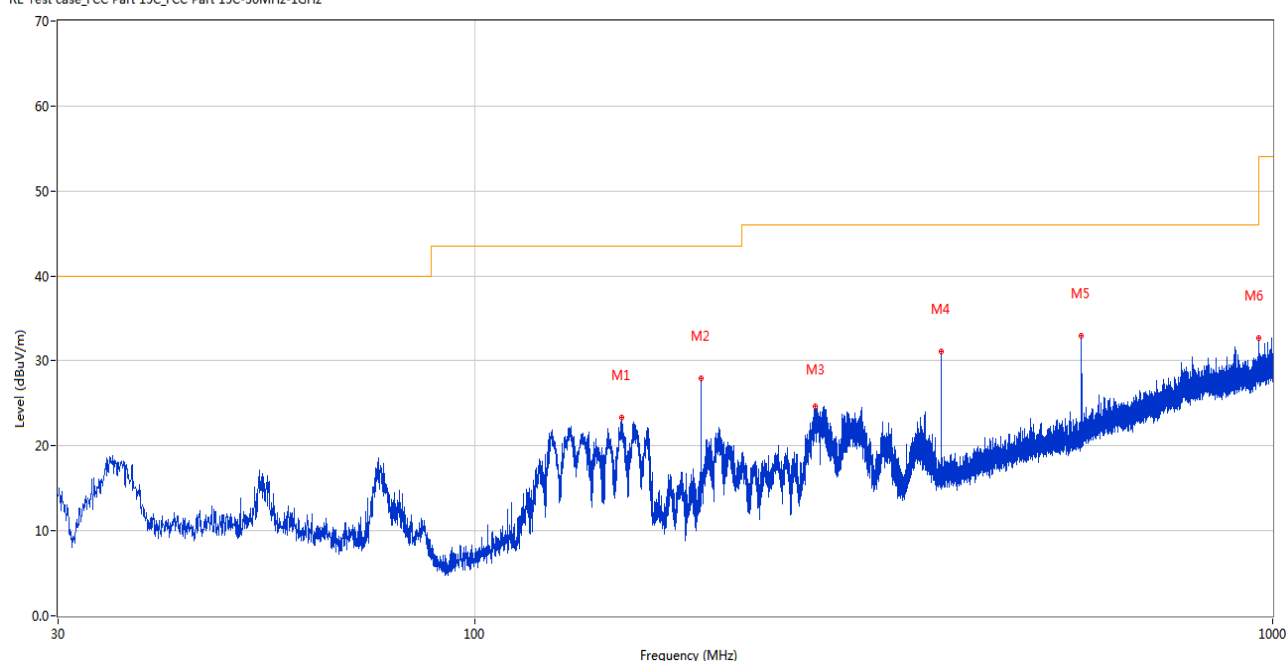
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

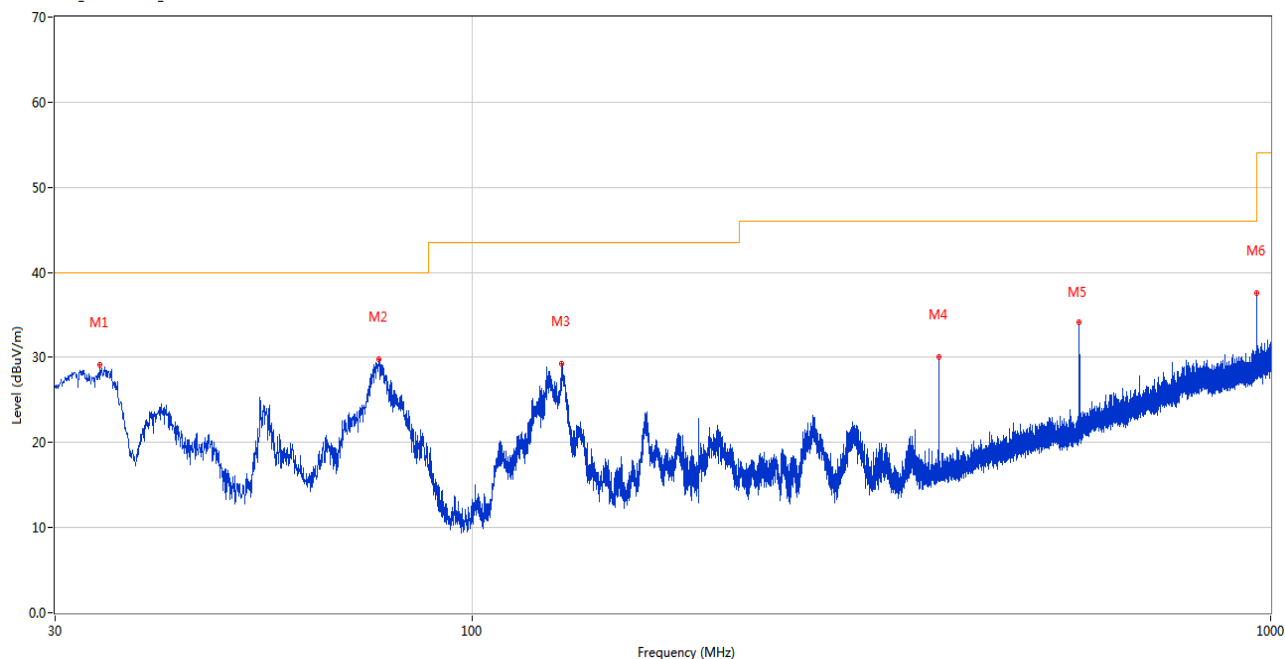
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	152.511	23.29	-23.99	43.5	20.21	Peak	176.00	100	Horizontal	Pass
2	191.990	27.96	-27.00	43.5	15.54	Peak	292.00	100	Horizontal	Pass
3	267.068	24.69	-24.19	46.0	21.31	Peak	65.00	100	Horizontal	Pass
4	384.002	31.17	-20.17	46.0	14.83	Peak	142.00	100	Horizontal	Pass
5	576.013	32.95	-15.14	46.0	13.05	Peak	176.00	100	Horizontal	Pass
6	959.987	32.74	-7.98	46.0	13.26	Peak	159.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.171	29.14	-26.70	40.0	10.86	Peak	178.00	100	Vertical	Pass
2	76.317	29.78	-28.26	40.0	10.22	Peak	0.00	100	Vertical	Pass
3	129.231	29.28	-26.25	43.5	14.22	Peak	282.00	100	Vertical	Pass
4	384.002	30.06	-20.17	46.0	15.94	Peak	290.00	100	Vertical	Pass
5	576.013	34.09	-15.14	46.0	11.91	Peak	111.00	100	Vertical	Pass
6	960.036	37.58	-7.98	54.0	16.42	Peak	94.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

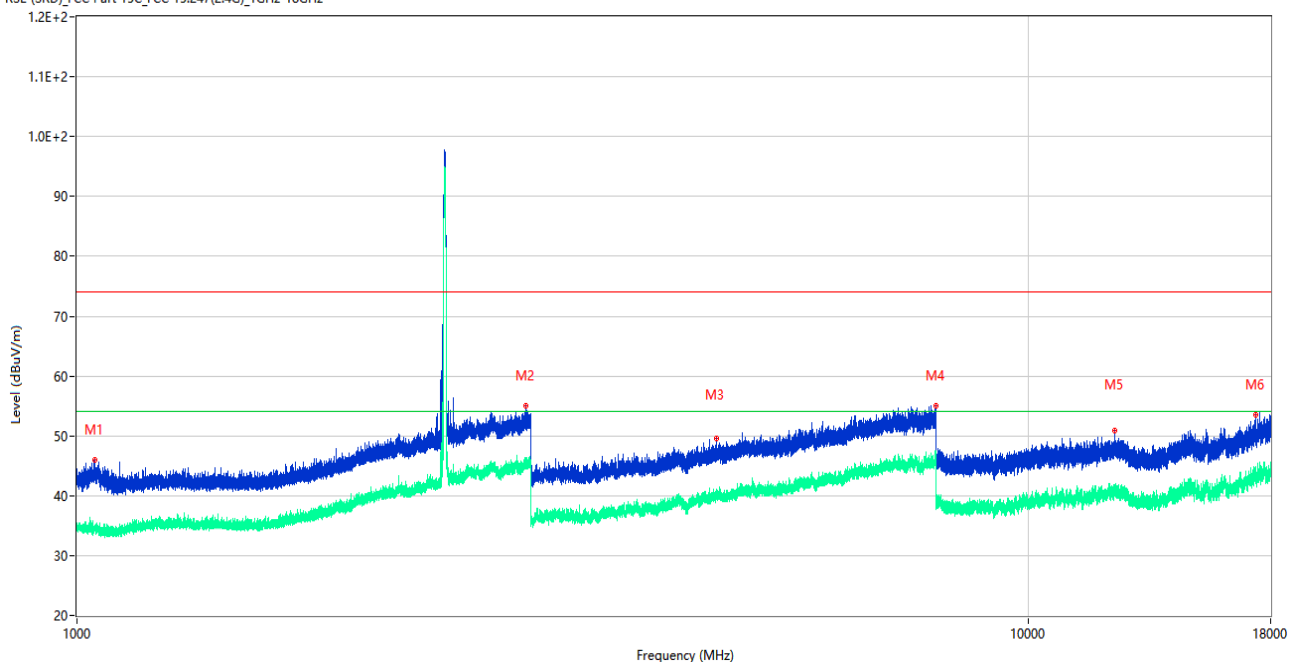
Note²: The spurious above 18G is noise only, do not show on the report.

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

ANTA

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

RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1045.400	45.99	74.0	28.01	Peak	50.00	300	Horizontal	Pass
1**	1045.400	34.11	54.0	19.89	AV	50.00	300	Horizontal	Pass
2	2961.700	54.98	74.0	19.02	Peak	352.00	150	Horizontal	Pass
2**	2961.700	44.80	54.0	9.20	AV	352.00	150	Horizontal	Pass
3	4708.750	49.63	74.0	24.37	Peak	258.00	150	Horizontal	Pass
3**	4708.750	40.20	54.0	13.80	AV	258.00	150	Horizontal	Pass
4	7998.000	55.03	74.0	18.97	Peak	207.00	100	Horizontal	Pass
4**	7998.000	46.56	54.0	7.44	AV	207.00	100	Horizontal	Pass
5	12344.112	50.82	74.0	23.18	Peak	343.00	400	Horizontal	Pass
5**	12344.112	40.61	54.0	13.39	AV	343.00	400	Horizontal	Pass
6	17345.063	53.57	74.0	20.43	Peak	137.00	100	Horizontal	Pass
6**	17345.063	44.49	54.0	9.51	AV	137.00	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	1334.823	42.76	74.0	31.25	Peak	85.00	100	Vertical	Pass
1**	1334.823	31.10	54.0	22.90	AV	85.00	100	Vertical	Pass
2	2078.031	50.80	74.0	23.20	Peak	38.00	100	Vertical	Pass
2**	2078.031	44.04	54.0	9.96	AV	38.00	100	Vertical	Pass
3	6800.674	52.56	74.0	21.44	Peak	251.00	200	Vertical	Pass
3**	6800.674	43.23	54.0	10.77	AV	251.00	200	Vertical	Pass
4	7964.548	56.54	74.0	17.46	Peak	29.00	300	Vertical	Pass
4**	7964.548	43.76	54.0	10.24	AV	29.00	300	Vertical	Pass
5	12465.911	49.91	74.0	24.09	Peak	123.00	400	Vertical	Pass
5**	12465.911	40.14	54.0	13.87	AV	123.00	400	Vertical	Pass
6	17103.527	51.65	74.0	22.35	Peak	181.00	200	Vertical	Pass
6**	17103.527	42.89	54.0	11.11	AV	181.00	200	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	1048.996	45.45	74.0	28.55	Peak	240.00	300	Horizontal	Pass
1**	1048.996	33.69	54.0	20.31	AV	240.00	300	Horizontal	Pass
2	2960.487	54.95	74.0	19.06	Peak	236.00	200	Horizontal	Pass
2**	2960.487	44.35	54.0	9.65	AV	236.00	200	Horizontal	Pass
3	4707.866	48.85	74.0	25.15	Peak	240.00	200	Horizontal	Pass
3**	4707.866	39.83	54.0	14.17	AV	240.00	200	Horizontal	Pass
4	8001.497	54.24	74.0	19.76	Peak	306.00	400	Horizontal	Pass
4**	8001.497	46.32	54.0	7.68	AV	306.00	400	Horizontal	Pass
5	12344.427	50.74	74.0	23.26	Peak	350.00	200	Horizontal	Pass
5**	12344.427	40.36	54.0	13.64	AV	350.00	200	Horizontal	Pass
6	17346.099	53.16	74.0	20.84	Peak	5.00	100	Horizontal	Pass
6**	17346.099	44.49	54.0	9.51	AV	5.00	100	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	1329.692	42.28	74.0	31.73	Peak	150.00	100	Vertical	Pass
1**	1329.692	30.82	54.0	23.18	AV	150.00	100	Vertical	Pass
2	2080.162	50.17	74.0	23.83	Peak	266.00	200	Vertical	Pass
2**	2080.162	43.79	54.0	10.21	AV	266.00	200	Vertical	Pass
3	6800.912	52.48	74.0	21.52	Peak	290.00	200	Vertical	Pass
3**	6800.912	43.21	54.0	10.79	AV	290.00	200	Vertical	Pass
4	7969.551	56.16	74.0	17.84	Peak	239.00	400	Vertical	Pass
4**	7969.551	42.84	54.0	11.16	AV	239.00	400	Vertical	Pass
5	12460.845	49.65	74.0	24.35	Peak	2.00	100	Vertical	Pass
5**	12460.845	39.19	54.0	14.82	AV	2.00	100	Vertical	Pass
6	17101.816	50.98	74.0	23.02	Peak	206.00	200	Vertical	Pass
6**	17101.816	42.52	54.0	11.48	AV	206.00	200	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	1047.258	45.99	74.0	28.01	Peak	11.00	400	Horizontal	Pass
1**	1047.258	33.87	54.0	20.13	AV	11.00	400	Horizontal	Pass
2	2960.957	55.15	74.0	18.86	Peak	121.00	400	Horizontal	Pass
2**	2960.957	44.99	54.0	9.01	AV	121.00	400	Horizontal	Pass
3	4712.157	49.04	74.0	24.96	Peak	232.00	200	Horizontal	Pass
3**	4712.157	40.21	54.0	13.79	AV	232.00	200	Horizontal	Pass
4	7995.812	54.14	74.0	19.86	Peak	243.00	100	Horizontal	Pass
4**	7995.812	46.08	54.0	7.92	AV	243.00	100	Horizontal	Pass
5	12347.708	51.02	74.0	22.98	Peak	223.00	300	Horizontal	Pass
5**	12347.708	40.61	54.0	13.39	AV	223.00	300	Horizontal	Pass
6	17341.286	53.21	74.0	20.79	Peak	249.00	100	Horizontal	Pass
6**	17341.286	44.56	54.0	9.44	AV	249.00	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	1330.751	42.18	74.0	31.83	Peak	189.00	400	Vertical	Pass
1**	1330.751	30.58	54.0	23.42	AV	189.00	400	Vertical	Pass
2	2083.239	50.75	74.0	23.25	Peak	149.00	200	Vertical	Pass
2**	2083.239	43.68	54.0	10.32	AV	149.00	200	Vertical	Pass
3	6806.996	52.43	74.0	21.57	Peak	95.00	200	Vertical	Pass
3**	6806.996	42.89	54.0	11.11	AV	95.00	200	Vertical	Pass
4	7970.450	56.45	74.0	17.55	Peak	203.00	400	Vertical	Pass
4**	7970.450	42.93	54.0	11.07	AV	203.00	400	Vertical	Pass
5	12461.136	49.66	74.0	24.34	Peak	30.00	400	Vertical	Pass
5**	12461.136	39.58	54.0	14.43	AV	30.00	400	Vertical	Pass
6	17103.080	51.27	74.0	22.73	Peak	180.00	300	Vertical	Pass
6**	17103.080	42.25	54.0	11.75	AV	180.00	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	1047.880	45.44	74.0	28.56	Peak	354.00	100	Horizontal	Pass
1**	1047.880	33.58	54.0	20.42	AV	354.00	100	Horizontal	Pass
2	2960.137	54.69	74.0	19.32	Peak	38.00	100	Horizontal	Pass
2**	2960.137	44.75	54.0	9.25	AV	38.00	100	Horizontal	Pass
3	4710.512	49.77	74.0	24.23	Peak	251.00	200	Horizontal	Pass
3**	4710.512	40.24	54.0	13.76	AV	251.00	200	Horizontal	Pass
4	7997.157	54.38	74.0	19.62	Peak	161.00	100	Horizontal	Pass
4**	7997.157	45.87	54.0	8.13	AV	161.00	100	Horizontal	Pass
5	12342.506	50.33	74.0	23.67	Peak	244.00	300	Horizontal	Pass
5**	12342.506	40.32	54.0	13.68	AV	244.00	300	Horizontal	Pass
6	17345.106	53.21	74.0	20.79	Peak	249.00	300	Horizontal	Pass
6**	17345.106	44.21	54.0	9.79	AV	249.00	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	1335.612	41.36	74.0	32.65	Peak	314.00	200	Vertical	Pass
1**	1335.612	30.08	54.0	23.92	AV	314.00	200	Vertical	Pass
2	2083.376	49.61	74.0	24.39	Peak	30.00	300	Vertical	Pass
2**	2083.376	43.06	54.0	10.94	AV	30.00	300	Vertical	Pass
3	6805.762	52.19	74.0	21.81	Peak	177.00	200	Vertical	Pass
3**	6805.762	43.05	54.0	10.95	AV	177.00	200	Vertical	Pass
4	7969.680	55.74	74.0	18.26	Peak	100.00	400	Vertical	Pass
4**	7969.680	42.53	54.0	11.47	AV	100.00	400	Vertical	Pass
5	12467.232	48.87	74.0	25.13	Peak	16.00	400	Vertical	Pass
5**	12467.232	38.98	54.0	15.03	AV	16.00	400	Vertical	Pass
6	17105.456	50.70	74.0	23.30	Peak	297.00	300	Vertical	Pass
6**	17105.456	41.95	54.0	12.05	AV	297.00	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	1043.061	44.95	74.0	29.05	Peak	293.00	200	Horizontal	Pass
1**	1043.061	33.31	54.0	20.69	AV	293.00	200	Horizontal	Pass
2	2959.565	54.62	74.0	19.39	Peak	160.00	400	Horizontal	Pass
2**	2959.565	43.83	54.0	10.17	AV	160.00	400	Horizontal	Pass
3	4706.061	48.54	74.0	25.46	Peak	230.00	200	Horizontal	Pass
3**	4706.061	39.12	54.0	14.88	AV	230.00	200	Horizontal	Pass
4	7999.130	53.66	74.0	20.34	Peak	44.00	300	Horizontal	Pass
4**	7999.130	45.46	54.0	8.54	AV	44.00	300	Horizontal	Pass
5	12344.215	49.84	74.0	24.16	Peak	9.00	300	Horizontal	Pass
5**	12344.215	39.54	54.0	14.46	AV	9.00	300	Horizontal	Pass
6	17341.714	52.74	74.0	21.26	Peak	313.00	100	Horizontal	Pass
6**	17341.714	44.03	54.0	9.97	AV	313.00	100	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	1334.798	41.52	74.0	32.49	Peak	173.00	300	Vertical	Pass
1**	1334.798	29.83	54.0	24.17	AV	173.00	300	Vertical	Pass
2	2078.615	49.87	74.0	24.13	Peak	231.00	400	Vertical	Pass
2**	2078.615	43.55	54.0	10.45	AV	231.00	400	Vertical	Pass
3	6805.786	51.67	74.0	22.33	Peak	132.00	200	Vertical	Pass
3**	6805.786	42.20	54.0	11.80	AV	132.00	200	Vertical	Pass
4	7967.004	55.55	74.0	18.45	Peak	66.00	300	Vertical	Pass
4**	7967.004	42.49	54.0	11.51	AV	66.00	300	Vertical	Pass
5	12468.458	49.04	74.0	24.96	Peak	4.00	100	Vertical	Pass
5**	12468.458	38.70	54.0	15.31	AV	4.00	100	Vertical	Pass
6	17103.065	51.21	74.0	22.79	Peak	213.00	200	Vertical	Pass
6**	17103.065	42.19	54.0	11.81	AV	213.00	200	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	1046.451	44.99	74.0	29.01	Peak	35.00	200	Horizontal	Pass
1**	1046.451	32.91	54.0	21.09	AV	35.00	200	Horizontal	Pass
2	2965.200	54.41	74.0	19.60	Peak	86.00	400	Horizontal	Pass
2**	2965.200	44.65	54.0	9.35	AV	86.00	400	Horizontal	Pass
3	4709.306	48.62	74.0	25.38	Peak	102.00	200	Horizontal	Pass
3**	4709.306	39.21	54.0	14.79	AV	102.00	200	Horizontal	Pass
4	8001.862	53.43	74.0	20.57	Peak	307.00	200	Horizontal	Pass
4**	8001.862	45.50	54.0	8.50	AV	307.00	200	Horizontal	Pass
5	12343.709	50.51	74.0	23.49	Peak	342.00	400	Horizontal	Pass
5**	12343.709	40.25	54.0	13.75	AV	342.00	400	Horizontal	Pass
6	17348.635	53.00	74.0	21.00	Peak	349.00	300	Horizontal	Pass
6**	17348.635	44.42	54.0	9.58	AV	349.00	300	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	1332.543	41.31	74.0	32.69	Peak	215.00	300	Vertical	Pass
1**	1332.543	30.05	54.0	23.95	AV	215.00	300	Vertical	Pass
2	2076.479	49.54	74.0	24.46	Peak	293.00	200	Vertical	Pass
2**	2076.479	43.01	54.0	11.00	AV	293.00	200	Vertical	Pass
3	6804.712	52.11	74.0	21.89	Peak	308.00	200	Vertical	Pass
3**	6804.712	43.02	54.0	10.98	AV	308.00	200	Vertical	Pass
4	7967.859	55.67	74.0	18.33	Peak	212.00	300	Vertical	Pass
4**	7967.859	42.48	54.0	11.52	AV	212.00	300	Vertical	Pass
5	12460.852	48.81	74.0	25.19	Peak	355.00	200	Vertical	Pass
5**	12460.852	38.95	54.0	15.05	AV	355.00	200	Vertical	Pass
6	17107.329	50.66	74.0	23.34	Peak	287.00	400	Vertical	Pass
6**	17107.329	41.95	54.0	12.05	AV	287.00	400	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	1044.325	45.41	74.0	28.60	Peak	82.00	100	Horizontal	Pass
1**	1044.325	33.48	54.0	20.52	AV	82.00	100	Horizontal	Pass
2	2960.231	54.66	74.0	19.34	Peak	42.00	200	Horizontal	Pass
2**	2960.231	44.69	54.0	9.31	AV	42.00	200	Horizontal	Pass
3	4710.322	49.72	74.0	24.28	Peak	341.00	200	Horizontal	Pass
3**	4710.322	40.22	54.0	13.78	AV	341.00	200	Horizontal	Pass
4	7996.036	54.30	74.0	19.70	Peak	107.00	100	Horizontal	Pass
4**	7996.036	45.84	54.0	8.16	AV	107.00	100	Horizontal	Pass
5	12342.363	50.31	74.0	23.69	Peak	276.00	100	Horizontal	Pass
5**	12342.363	40.24	54.0	13.77	AV	276.00	100	Horizontal	Pass
6	17342.024	53.18	74.0	20.82	Peak	11.00	100	Horizontal	Pass
6**	17342.024	44.17	54.0	9.83	AV	11.00	100	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	1335.783	41.49	74.0	32.51	Peak	280.00	300	Vertical	Pass
1**	1335.783	29.83	54.0	24.17	AV	280.00	300	Vertical	Pass
2	2080.960	49.87	74.0	24.13	Peak	286.00	100	Vertical	Pass
2**	2080.960	43.45	54.0	10.55	AV	286.00	100	Vertical	Pass
3	6800.398	51.62	74.0	22.38	Peak	241.00	200	Vertical	Pass
3**	6800.398	42.13	54.0	11.87	AV	241.00	200	Vertical	Pass
4	7963.759	55.52	74.0	18.48	Peak	102.00	200	Vertical	Pass
4**	7963.759	42.42	54.0	11.58	AV	102.00	200	Vertical	Pass
5	12465.591	49.01	74.0	24.99	Peak	191.00	100	Vertical	Pass
5**	12465.591	38.69	54.0	15.31	AV	191.00	100	Vertical	Pass
6	17105.805	51.16	74.0	22.84	Peak	100.00	200	Vertical	Pass
6**	17105.805	42.12	54.0	11.88	AV	100.00	200	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	1047.755	46.06	74.0	27.94	Peak	203.00	400	Horizontal	Pass
1**	1047.755	34.24	54.0	19.76	AV	203.00	400	Horizontal	Pass
2	2958.049	55.14	74.0	18.86	Peak	123.00	400	Horizontal	Pass
2**	2958.049	45.07	54.0	8.94	AV	123.00	400	Horizontal	Pass
3	4705.025	49.80	74.0	24.20	Peak	190.00	200	Horizontal	Pass
3**	4705.025	40.35	54.0	13.65	AV	190.00	200	Horizontal	Pass
4	7999.028	54.97	74.0	19.03	Peak	230.00	400	Horizontal	Pass
4**	7999.028	46.72	54.0	7.28	AV	230.00	400	Horizontal	Pass
5	12345.060	51.03	74.0	22.97	Peak	173.00	400	Horizontal	Pass
5**	12345.060	40.76	54.0	13.24	AV	173.00	400	Horizontal	Pass
6	17348.473	53.59	74.0	20.41	Peak	45.00	100	Horizontal	Pass
6**	17348.473	44.56	54.0	9.44	AV	45.00	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	1328.556	41.20	74.0	32.80	Peak	78.00	400	Vertical	Pass
1**	1328.556	29.37	54.0	24.63	AV	78.00	400	Vertical	Pass
2	2081.977	49.44	74.0	24.56	Peak	43.00	100	Vertical	Pass
2**	2081.977	42.17	54.0	11.84	AV	43.00	100	Vertical	Pass
3	6801.192	51.83	74.0	22.17	Peak	236.00	200	Vertical	Pass
3**	6801.192	42.40	54.0	11.60	AV	236.00	200	Vertical	Pass
4	7966.387	54.98	74.0	19.02	Peak	32.00	400	Vertical	Pass
4**	7966.387	42.26	54.0	11.74	AV	32.00	400	Vertical	Pass
5	12460.852	47.85	74.0	26.15	Peak	15.00	400	Vertical	Pass
5**	12460.852	38.01	54.0	15.99	AV	15.00	400	Vertical	Pass
6	17103.609	50.05	74.0	23.95	Peak	334.00	100	Vertical	Pass
6**	17103.609	41.17	54.0	12.83	AV	334.00	100	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	1047.570	46.00	74.0	28.00	Peak	130.00	300	Horizontal	Pass
1**	1047.570	34.27	54.0	19.73	AV	130.00	300	Horizontal	Pass
2	2962.132	55.15	74.0	18.85	Peak	342.00	100	Horizontal	Pass
2**	2962.132	45.02	54.0	8.98	AV	342.00	100	Horizontal	Pass
3	4705.554	49.76	74.0	24.24	Peak	316.00	200	Horizontal	Pass
3**	4705.554	40.33	54.0	13.67	AV	316.00	200	Horizontal	Pass
4	7994.336	54.99	74.0	19.01	Peak	140.00	200	Horizontal	Pass
4**	7994.336	46.69	54.0	7.31	AV	140.00	200	Horizontal	Pass
5	12341.478	50.96	74.0	23.04	Peak	215.00	400	Horizontal	Pass
5**	12341.478	40.72	54.0	13.28	AV	215.00	400	Horizontal	Pass
6	17346.386	53.55	74.0	20.46	Peak	15.00	200	Horizontal	Pass
6**	17346.386	44.57	54.0	9.43	AV	15.00	200	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	1334.645	41.48	74.0	32.53	Peak	35.00	100	Vertical	Pass
1**	1334.645	28.95	54.0	25.05	AV	35.00	100	Vertical	Pass
2	2081.158	49.22	74.0	24.78	Peak	333.00	200	Vertical	Pass
2**	2081.158	42.66	54.0	11.34	AV	333.00	200	Vertical	Pass
3	6801.960	50.78	74.0	23.22	Peak	141.00	200	Vertical	Pass
3**	6801.960	42.11	54.0	11.89	AV	141.00	200	Vertical	Pass
4	7968.089	55.22	74.0	18.78	Peak	241.00	300	Vertical	Pass
4**	7968.089	42.32	54.0	11.68	AV	241.00	300	Vertical	Pass
5	12466.908	48.30	74.0	25.70	Peak	79.00	400	Vertical	Pass
5**	12466.908	38.07	54.0	15.93	AV	79.00	400	Vertical	Pass
6	17105.822	50.71	74.0	23.29	Peak	87.00	200	Vertical	Pass
6**	17105.822	41.50	54.0	12.50	AV	87.00	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	1045.617	46.02	74.0	27.99	Peak	320.00	200	Horizontal	Pass
1**	1045.617	34.21	54.0	19.79	AV	320.00	200	Horizontal	Pass
2	2961.610	55.07	74.0	18.93	Peak	308.00	200	Horizontal	Pass
2**	2961.610	45.02	54.0	8.98	AV	308.00	200	Horizontal	Pass
3	4706.210	49.72	74.0	24.28	Peak	191.00	200	Horizontal	Pass
3**	4706.210	40.30	54.0	13.70	AV	191.00	200	Horizontal	Pass
4	7994.152	55.02	74.0	18.98	Peak	160.00	100	Horizontal	Pass
4**	7994.152	46.70	54.0	7.31	AV	160.00	100	Horizontal	Pass
5	12344.031	51.00	74.0	23.00	Peak	215.00	400	Horizontal	Pass
5**	12344.031	40.74	54.0	13.26	AV	215.00	400	Horizontal	Pass
6	17348.707	53.49	74.0	20.51	Peak	195.00	100	Horizontal	Pass
6**	17348.707	44.61	54.0	9.39	AV	195.00	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	1330.260	41.93	74.0	32.08	Peak	357.00	300	Vertical	Pass
1**	1330.260	30.95	54.0	23.05	AV	357.00	300	Vertical	Pass
2	2082.507	50.06	74.0	23.94	Peak	231.00	400	Vertical	Pass
2**	2082.507	43.96	54.0	10.04	AV	231.00	400	Vertical	Pass
3	6805.572	52.34	74.0	21.66	Peak	72.00	200	Vertical	Pass
3**	6805.572	42.45	54.0	11.55	AV	72.00	200	Vertical	Pass
4	7969.581	56.12	74.0	17.88	Peak	190.00	100	Vertical	Pass
4**	7969.581	42.94	54.0	11.06	AV	190.00	100	Vertical	Pass
5	12463.529	49.07	74.0	24.93	Peak	4.00	300	Vertical	Pass
5**	12463.529	39.54	54.0	14.47	AV	4.00	300	Vertical	Pass
6	17107.329	50.99	74.0	23.01	Peak	343.00	400	Vertical	Pass
6**	17107.329	42.20	54.0	11.80	AV	343.00	400	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	1045.470	44.89	74.0	29.11	Peak	144.00	100	Horizontal	Pass
1**	1045.470	33.22	54.0	20.78	AV	144.00	100	Horizontal	Pass
2	2965.084	54.11	74.0	19.90	Peak	304.00	400	Horizontal	Pass
2**	2965.084	44.24	54.0	9.76	AV	304.00	400	Horizontal	Pass
3	4705.128	48.67	74.0	25.33	Peak	83.00	200	Horizontal	Pass
3**	4705.128	39.12	54.0	14.88	AV	83.00	200	Horizontal	Pass
4	7998.776	53.77	74.0	20.23	Peak	213.00	400	Horizontal	Pass
4**	7998.776	45.85	54.0	8.15	AV	213.00	400	Horizontal	Pass
5	12347.539	50.72	74.0	23.28	Peak	43.00	200	Horizontal	Pass
5**	12347.539	39.85	54.0	14.15	AV	43.00	200	Horizontal	Pass
6	17345.195	52.92	74.0	21.08	Peak	237.00	200	Horizontal	Pass
6**	17345.195	44.29	54.0	9.71	AV	237.00	200	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	1333.829	42.14	74.0	31.87	Peak	57.00	300	Vertical	Pass
1**	1333.829	30.11	54.0	23.89	AV	57.00	300	Vertical	Pass
2	2077.865	49.47	74.0	24.53	Peak	45.00	400	Vertical	Pass
2**	2077.865	43.24	54.0	10.76	AV	45.00	400	Vertical	Pass
3	6800.154	52.12	74.0	21.88	Peak	311.00	200	Vertical	Pass
3**	6800.154	42.26	54.0	11.74	AV	311.00	200	Vertical	Pass
4	7970.582	55.38	74.0	18.62	Peak	236.00	200	Vertical	Pass
4**	7970.582	42.17	54.0	11.83	AV	236.00	200	Vertical	Pass
5	12468.539	49.14	74.0	24.86	Peak	86.00	200	Vertical	Pass
5**	12468.539	38.60	54.0	15.41	AV	86.00	200	Vertical	Pass
6	17106.413	50.06	74.0	23.94	Peak	252.00	400	Vertical	Pass
6**	17106.413	41.85	54.0	12.15	AV	252.00	400	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	1047.012	45.99	74.0	28.01	Peak	255.00	100	Horizontal	Pass
1**	1047.012	33.74	54.0	20.26	AV	255.00	100	Horizontal	Pass
2	2958.452	54.98	74.0	19.03	Peak	262.00	300	Horizontal	Pass
2**	2958.452	44.82	54.0	9.18	AV	262.00	300	Horizontal	Pass
3	4708.897	49.15	74.0	24.85	Peak	226.00	200	Horizontal	Pass
3**	4708.897	39.92	54.0	14.08	AV	226.00	200	Horizontal	Pass
4	7995.122	54.06	74.0	19.94	Peak	19.00	400	Horizontal	Pass
4**	7995.122	46.04	54.0	7.96	AV	19.00	400	Horizontal	Pass
5	12341.495	50.11	74.0	23.89	Peak	82.00	400	Horizontal	Pass
5**	12341.495	39.78	54.0	14.22	AV	82.00	400	Horizontal	Pass
6	17346.185	53.01	74.0	20.99	Peak	27.00	100	Horizontal	Pass
6**	17346.185	44.32	54.0	9.68	AV	27.00	100	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	1332.809	42.04	74.0	31.97	Peak	305.00	200	Vertical	Pass
1**	1332.809	30.11	54.0	23.89	AV	305.00	200	Vertical	Pass
2	2081.980	50.34	74.0	23.66	Peak	163.00	300	Vertical	Pass
2**	2081.980	43.85	54.0	10.15	AV	163.00	300	Vertical	Pass
3	6807.139	52.34	74.0	21.66	Peak	86.00	200	Vertical	Pass
3**	6807.139	43.15	54.0	10.85	AV	86.00	200	Vertical	Pass
4	7968.452	56.02	74.0	17.98	Peak	159.00	100	Vertical	Pass
4**	7968.452	43.39	54.0	10.61	AV	159.00	100	Vertical	Pass
5	12461.158	49.42	74.0	24.58	Peak	355.00	100	Vertical	Pass
5**	12461.158	39.32	54.0	14.69	AV	355.00	100	Vertical	Pass
6	17108.862	51.47	74.0	22.53	Peak	280.00	300	Vertical	Pass
6**	17108.862	42.63	54.0	11.37	AV	280.00	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	1042.445	44.48	74.0	29.52	Peak	192.00	400	Horizontal	Pass
1**	1042.445	32.91	54.0	21.09	AV	192.00	400	Horizontal	Pass
2	2961.285	54.43	74.0	19.58	Peak	233.00	200	Horizontal	Pass
2**	2961.285	43.94	54.0	10.06	AV	233.00	200	Horizontal	Pass
3	4709.926	48.74	74.0	25.26	Peak	354.00	200	Horizontal	Pass
3**	4709.926	39.27	54.0	14.73	AV	354.00	200	Horizontal	Pass
4	7996.729	53.44	74.0	20.56	Peak	161.00	200	Horizontal	Pass
4**	7996.729	45.80	54.0	8.20	AV	161.00	200	Horizontal	Pass
5	12346.994	49.86	74.0	24.14	Peak	333.00	300	Horizontal	Pass
5**	12346.994	39.89	54.0	14.11	AV	333.00	300	Horizontal	Pass
6	17344.828	52.97	74.0	21.03	Peak	247.00	400	Horizontal	Pass
6**	17344.828	44.22	54.0	9.78	AV	247.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.461	42.02	74.0	31.99	Peak	145.00	400	Vertical	Pass
1**	1329.461	30.74	54.0	23.26	AV	145.00	400	Vertical	Pass
2	2082.363	49.66	74.0	24.34	Peak	100.00	300	Vertical	Pass
2**	2082.363	43.36	54.0	10.64	AV	100.00	300	Vertical	Pass
3	6803.038	52.29	74.0	21.71	Peak	192.00	200	Vertical	Pass
3**	6803.038	42.80	54.0	11.20	AV	192.00	200	Vertical	Pass
4	7967.854	55.95	74.0	18.05	Peak	160.00	200	Vertical	Pass
4**	7967.854	42.26	54.0	11.74	AV	160.00	200	Vertical	Pass
5	12463.062	49.46	74.0	24.54	Peak	120.00	100	Vertical	Pass
5**	12463.062	38.81	54.0	15.20	AV	120.00	100	Vertical	Pass
6	17103.552	50.61	74.0	23.39	Peak	136.00	300	Vertical	Pass
6**	17103.552	42.50	54.0	11.50	AV	136.00	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	1043.959	45.16	74.0	28.84	Peak	306.00	100	Horizontal	Pass
1**	1043.959	33.39	54.0	20.61	AV	306.00	100	Horizontal	Pass
2	2963.998	54.64	74.0	19.37	Peak	195.00	100	Horizontal	Pass
2**	2963.998	44.98	54.0	9.02	AV	195.00	100	Horizontal	Pass
3	4710.891	48.42	74.0	25.58	Peak	74.00	200	Horizontal	Pass
3**	4710.891	39.23	54.0	14.77	AV	74.00	200	Horizontal	Pass
4	7997.886	53.59	74.0	20.41	Peak	111.00	100	Horizontal	Pass
4**	7997.886	45.54	54.0	8.46	AV	111.00	100	Horizontal	Pass
5	12342.129	50.64	74.0	23.36	Peak	97.00	300	Horizontal	Pass
5**	12342.129	40.21	54.0	13.79	AV	97.00	300	Horizontal	Pass
6	17341.591	53.01	74.0	20.99	Peak	321.00	200	Horizontal	Pass
6**	17341.591	43.56	54.0	10.44	AV	321.00	200	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	1336.265	41.87	74.0	32.14	Peak	6.00	400	Vertical	Pass
1**	1336.265	29.78	54.0	24.22	AV	6.00	400	Vertical	Pass
2	2079.774	50.30	74.0	23.70	Peak	4.00	100	Vertical	Pass
2**	2079.774	43.06	54.0	10.94	AV	4.00	100	Vertical	Pass
3	6804.308	51.90	74.0	22.10	Peak	176.00	200	Vertical	Pass
3**	6804.308	42.06	54.0	11.94	AV	176.00	200	Vertical	Pass
4	7967.271	55.92	74.0	18.08	Peak	35.00	400	Vertical	Pass
4**	7967.271	42.44	54.0	11.56	AV	35.00	400	Vertical	Pass
5	12467.262	49.07	74.0	24.93	Peak	338.00	300	Vertical	Pass
5**	12467.262	39.11	54.0	14.90	AV	338.00	300	Vertical	Pass
6	17105.384	50.65	74.0	23.35	Peak	102.00	400	Vertical	Pass
6**	17105.384	41.70	54.0	12.30	AV	102.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1046.813	45.16	74.0	28.84	Peak	125.00	300	Horizontal	Pass
1**	1046.813	33.83	54.0	20.17	AV	125.00	300	Horizontal	Pass
2	2960.844	55.07	74.0	18.94	Peak	233.00	400	Horizontal	Pass
2**	2960.844	44.27	54.0	9.73	AV	233.00	400	Horizontal	Pass
3	4708.515	48.99	74.0	25.01	Peak	240.00	200	Horizontal	Pass
3**	4708.515	40.29	54.0	13.71	AV	240.00	200	Horizontal	Pass
4	7998.127	54.52	74.0	19.48	Peak	324.00	400	Horizontal	Pass
4**	7998.127	45.82	54.0	8.18	AV	324.00	400	Horizontal	Pass
5	12345.316	50.45	74.0	23.55	Peak	1.00	300	Horizontal	Pass
5**	12345.316	39.88	54.0	14.12	AV	1.00	300	Horizontal	Pass
6	17344.930	53.51	74.0	20.49	Peak	61.00	300	Horizontal	Pass
6**	17344.930	44.35	54.0	9.65	AV	61.00	300	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	1330.889	42.37	74.0	31.64	Peak	187.00	200	Vertical	Pass
1**	1330.889	30.29	54.0	23.71	AV	187.00	200	Vertical	Pass
2	2079.330	50.29	74.0	23.71	Peak	140.00	100	Vertical	Pass
2**	2079.330	43.22	54.0	10.78	AV	140.00	100	Vertical	Pass
3	6806.386	52.53	74.0	21.47	Peak	308.00	200	Vertical	Pass
3**	6806.386	42.50	54.0	11.50	AV	308.00	200	Vertical	Pass
4	7967.528	55.75	74.0	18.25	Peak	82.00	100	Vertical	Pass
4**	7967.528	43.09	54.0	10.91	AV	82.00	100	Vertical	Pass
5	12460.841	49.31	74.0	24.69	Peak	213.00	100	Vertical	Pass
5**	12460.841	39.80	54.0	14.21	AV	213.00	100	Vertical	Pass
6	17107.756	50.71	74.0	23.29	Peak	306.00	300	Vertical	Pass
6**	17107.756	42.12	54.0	11.88	AV	306.00	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	1041.478	45.63	74.0	28.37	Peak	7.00	300	Horizontal	Pass
1**	1041.478	34.03	54.0	19.97	AV	7.00	300	Horizontal	Pass
2	2965.691	54.56	74.0	19.45	Peak	235.00	400	Horizontal	Pass
2**	2965.691	44.34	54.0	9.66	AV	235.00	400	Horizontal	Pass
3	4709.582	49.41	74.0	24.59	Peak	145.00	200	Horizontal	Pass
3**	4709.582	39.64	54.0	14.36	AV	145.00	200	Horizontal	Pass
4	7996.355	54.18	74.0	19.82	Peak	102.00	100	Horizontal	Pass
4**	7996.355	46.23	54.0	7.77	AV	102.00	100	Horizontal	Pass
5	12342.296	50.70	74.0	23.30	Peak	95.00	300	Horizontal	Pass
5**	12342.296	39.96	54.0	14.04	AV	95.00	300	Horizontal	Pass
6	17343.319	53.50	74.0	20.50	Peak	86.00	100	Horizontal	Pass
6**	17343.319	43.79	54.0	10.21	AV	86.00	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	1329.906	42.39	74.0	31.62	Peak	64.00	300	Vertical	Pass
1**	1329.906	30.18	54.0	23.82	AV	64.00	300	Vertical	Pass
2	2080.454	50.02	74.0	23.98	Peak	48.00	100	Vertical	Pass
2**	2080.454	43.17	54.0	10.83	AV	48.00	100	Vertical	Pass
3	6805.525	51.77	74.0	22.23	Peak	220.00	200	Vertical	Pass
3**	6805.525	42.79	54.0	11.21	AV	220.00	200	Vertical	Pass
4	7963.508	55.65	74.0	18.35	Peak	106.00	100	Vertical	Pass
4**	7963.508	43.73	54.0	10.27	AV	106.00	100	Vertical	Pass
5	12462.567	49.41	74.0	24.59	Peak	232.00	200	Vertical	Pass
5**	12462.567	39.23	54.0	14.78	AV	232.00	200	Vertical	Pass
6	17103.553	50.84	74.0	23.16	Peak	29.00	400	Vertical	Pass
6**	17103.553	42.68	54.0	11.32	AV	29.00	400	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	1047.411	45.35	74.0	28.65	Peak	81.00	100	Horizontal	Pass
1**	1047.411	33.68	54.0	20.32	AV	81.00	100	Horizontal	Pass
2	2965.006	54.82	74.0	19.19	Peak	1.00	300	Horizontal	Pass
2**	2965.006	43.73	54.0	10.27	AV	1.00	300	Horizontal	Pass
3	4712.372	48.70	74.0	25.30	Peak	175.00	200	Horizontal	Pass
3**	4712.372	39.74	54.0	14.26	AV	175.00	200	Horizontal	Pass
4	7997.108	53.49	74.0	20.51	Peak	59.00	400	Horizontal	Pass
4**	7997.108	45.45	54.0	8.55	AV	59.00	400	Horizontal	Pass
5	12341.453	49.85	74.0	24.15	Peak	213.00	100	Horizontal	Pass
5**	12341.453	40.15	54.0	13.85	AV	213.00	100	Horizontal	Pass
6	17348.005	52.19	74.0	21.81	Peak	2.00	200	Horizontal	Pass
6**	17348.005	44.07	54.0	9.93	AV	2.00	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	1334.980	41.60	74.0	32.41	Peak	15.00	300	Vertical	Pass
1**	1334.980	30.51	54.0	23.49	AV	15.00	300	Vertical	Pass
2	2080.432	49.28	74.0	24.72	Peak	337.00	400	Vertical	Pass
2**	2080.432	42.97	54.0	11.03	AV	337.00	400	Vertical	Pass
3	6801.460	51.76	74.0	22.24	Peak	231.00	200	Vertical	Pass
3**	6801.460	42.27	54.0	11.73	AV	231.00	200	Vertical	Pass
4	7965.618	55.26	74.0	18.74	Peak	127.00	300	Vertical	Pass
4**	7965.618	41.88	54.0	12.12	AV	127.00	300	Vertical	Pass
5	12468.756	49.45	74.0	24.55	Peak	67.00	300	Vertical	Pass
5**	12468.756	38.40	54.0	15.61	AV	67.00	300	Vertical	Pass
6	17104.106	50.92	74.0	23.08	Peak	192.00	400	Vertical	Pass
6**	17104.106	42.14	54.0	11.86	AV	192.00	400	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	1045.503	45.61	74.0	28.39	Peak	308.00	400	Horizontal	Pass
1**	1045.503	33.56	54.0	20.44	AV	308.00	400	Horizontal	Pass
2	2960.832	55.14	74.0	18.87	Peak	234.00	100	Horizontal	Pass
2**	2960.832	44.03	54.0	9.97	AV	234.00	100	Horizontal	Pass
3	4707.412	49.03	74.0	24.97	Peak	312.00	200	Horizontal	Pass
3**	4707.412	39.90	54.0	14.10	AV	312.00	200	Horizontal	Pass
4	7994.041	53.78	74.0	20.22	Peak	176.00	200	Horizontal	Pass
4**	7994.041	45.52	54.0	8.48	AV	176.00	200	Horizontal	Pass
5	12344.670	50.38	74.0	23.62	Peak	162.00	300	Horizontal	Pass
5**	12344.670	40.51	54.0	13.49	AV	162.00	300	Horizontal	Pass
6	17342.452	52.99	74.0	21.01	Peak	119.00	300	Horizontal	Pass
6**	17342.452	44.25	54.0	9.75	AV	119.00	300	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	1329.073	41.76	74.0	32.25	Peak	178.00	400	Vertical	Pass
1**	1329.073	30.22	54.0	23.78	AV	178.00	400	Vertical	Pass
2	2077.540	50.36	74.0	23.64	Peak	147.00	400	Vertical	Pass
2**	2077.540	43.46	54.0	10.54	AV	147.00	400	Vertical	Pass
3	6801.120	52.32	74.0	21.68	Peak	110.00	200	Vertical	Pass
3**	6801.120	42.77	54.0	11.23	AV	110.00	200	Vertical	Pass
4	7965.224	56.04	74.0	17.96	Peak	23.00	100	Vertical	Pass
4**	7965.224	42.01	54.0	11.99	AV	23.00	100	Vertical	Pass
5	12467.857	49.28	74.0	24.72	Peak	325.00	300	Vertical	Pass
5**	12467.857	39.43	54.0	14.58	AV	325.00	300	Vertical	Pass
6	17102.599	50.46	74.0	23.54	Peak	152.00	400	Vertical	Pass
6**	17102.599	41.48	54.0	12.52	AV	152.00	400	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 C63.10-2020, 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: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

ANTA

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.676	55.33	74.0	18.67	Peak	305.00	300	Horizontal	Pass
1**	2387.676	44.70	54.0	9.30	AV	305.00	300	Horizontal	Pass
2	2390.000	54.60	74.0	19.40	Peak	201.00	100	Horizontal	Pass
2**	2390.000	45.23	54.0	8.77	AV	201.00	100	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	53.37	74.0	20.63	Peak	271.00	200	Horizontal	Pass
1**	2483.500	43.50	54.0	10.50	AV	271.00	200	Horizontal	Pass
2	2495.886	54.94	74.0	19.06	Peak	289.00	200	Horizontal	Pass
2**	2495.886	43.37	54.0	10.63	AV	289.00	200	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	2333.796	54.65	74.0	19.35	Peak	180.00	200	Horizontal	Pass
1**	2333.796	43.35	54.0	10.65	AV	180.00	200	Horizontal	Pass
2	2390.000	55.60	74.0	18.40	Peak	66.00	100	Horizontal	Pass
2**	2390.000	44.46	54.0	9.54	AV	66.00	100	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	55.19	74.0	18.81	Peak	33.00	300	Horizontal	Pass
1**	2483.500	45.31	54.0	8.69	AV	33.00	300	Horizontal	Pass
2	2484.437	55.94	74.0	18.06	Peak	162.00	100	Horizontal	Pass
2**	2484.437	44.98	54.0	9.02	AV	162.00	100	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	2389.391	55.94	74.0	18.06	Peak	131.00	200	Horizontal	Pass
1**	2389.391	44.95	54.0	9.05	AV	131.00	200	Horizontal	Pass
2	2390.000	56.02	74.0	17.98	Peak	119.00	300	Horizontal	Pass
2**	2390.000	45.32	54.0	8.68	AV	119.00	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	59.81	74.0	14.19	Peak	70.00	300	Horizontal	Pass
1**	2483.500	44.91	54.0	9.09	AV	70.00	300	Horizontal	Pass
2	2485.538	58.94	74.0	15.06	Peak	240.00	200	Horizontal	Pass
2**	2485.538	44.85	54.0	9.15	AV	240.00	200	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	2379.822	55.53	74.0	18.47	Peak	299.00	200	Horizontal	Pass
1**	2379.822	42.18	54.0	11.82	AV	299.00	200	Horizontal	Pass
2	2390.000	53.94	74.0	20.06	Peak	81.00	200	Horizontal	Pass
2**	2390.000	43.32	54.0	10.68	AV	81.00	200	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	61.30	74.0	12.70	Peak	309.00	300	Horizontal	Pass
1**	2483.500	43.68	54.0	10.32	AV	309.00	300	Horizontal	Pass
2	2486.750	60.26	74.0	13.74	Peak	156.00	300	Horizontal	Pass
2**	2486.750	43.61	54.0	10.39	AV	156.00	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	2379.436	56.44	74.0	17.56	Peak	349.00	200	Horizontal	Pass
1**	2379.436	45.13	54.0	8.87	AV	349.00	200	Horizontal	Pass
2	2390.000	56.46	74.0	17.54	Peak	2.00	100	Horizontal	Pass
2**	2390.000	45.65	54.0	8.35	AV	2.00	100	Horizontal	Pass

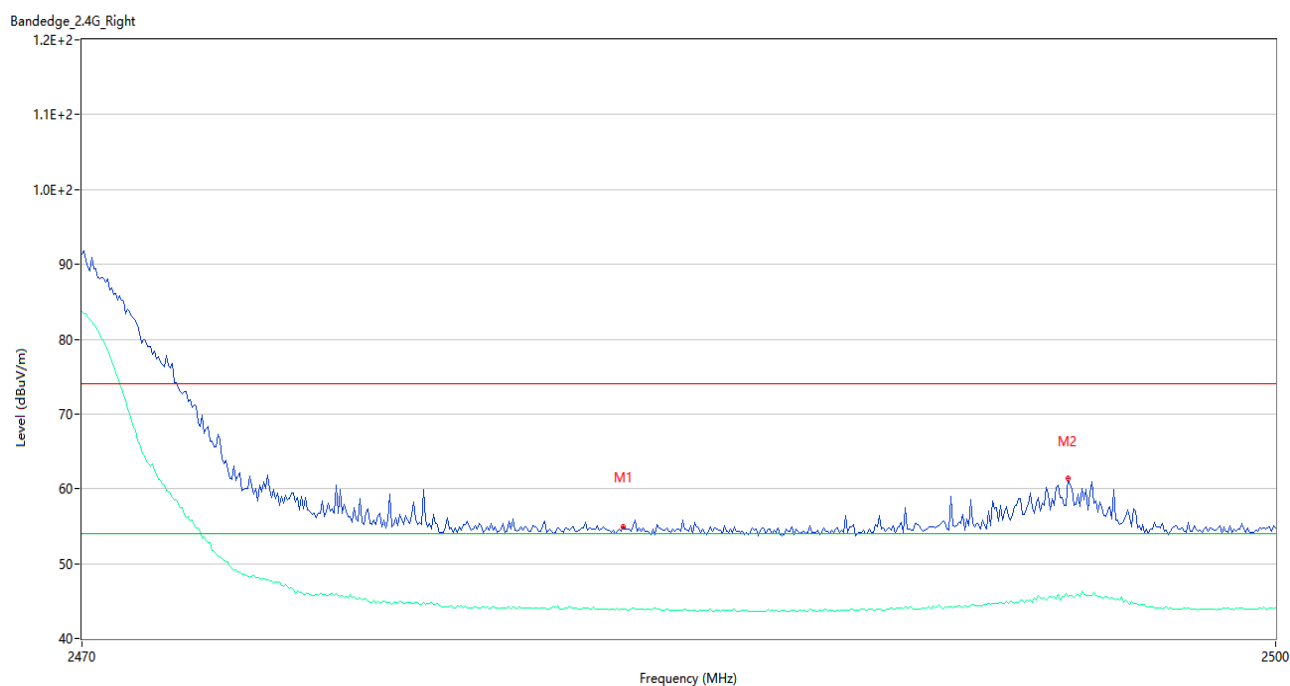
802.11ax20(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	59.30	74.0	14.70	Peak	322.00	200	Horizontal	Pass
1**	2483.500	44.44	54.0	9.56	AV	322.00	200	Horizontal	Pass
2	2485.236	58.99	74.0	15.01	Peak	260.00	100	Horizontal	Pass
2**	2485.236	44.95	54.0	9.05	AV	260.00	100	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	2381.399	55.01	74.0	18.99	Peak	310.00	100	Horizontal	Pass
1**	2381.399	42.83	54.0	11.17	AV	310.00	100	Horizontal	Pass
2	2390.000	54.29	74.0	19.71	Peak	254.00	300	Horizontal	Pass
2**	2390.000	43.30	54.0	10.70	AV	254.00	300	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	2483.550	54.86	74.0	19.14	Peak	150.00	150	Vertical	Pass
1**	2483.550	43.89	54.0	10.11	AV	150.00	150	Vertical	Pass
2	2494.750	61.42	74.0	12.58	Peak	107.00	100	Vertical	Pass
2**	2494.750	45.62	54.0	8.38	AV	107.00	100	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

ANTA

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.72	8
Middle	-9.28	8
High	-7.89	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.85	8
Middle	-11.65	8
High	-15.30	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.27	8
Middle	-15.87	8
High	-15.60	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.20	8
Middle	-16.24	8
High	-16.71	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.47	8
Middle	-14.29	8
High	-16.37	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.98	8
Middle	-18.16	8
High	-18.59	8

ANTB

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.78	8
Middle	-8.32	8
High	-6.94	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.67	8
Middle	-13.33	8
High	-14.19	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.57	8
Middle	-14.91	8
High	-16.02	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.24	8
Middle	-17.81	8
High	-18.25	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.19	8
Middle	-16.50	8
High	-16.69	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.95	8
Middle	-19.37	8
High	-18.61	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.74	8
Middle	-5.76	8
High	-4.38	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.23	8
Middle	-9.40	8
High	-11.70	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.86	8
Middle	-12.35	8
High	-12.80	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.09	8
Middle	-13.94	8
High	-14.40	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.80	8
Middle	-12.25	8
High	-13.52	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.85	8
Middle	-15.71	8
High	-15.59	8

Test Plots

ANTA

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



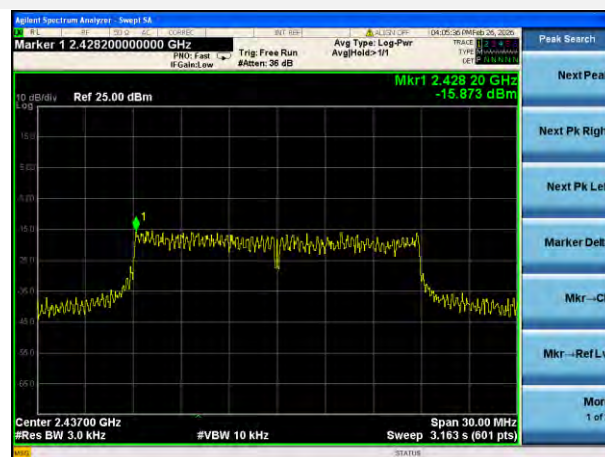
802.11g HIGH CHANNEL



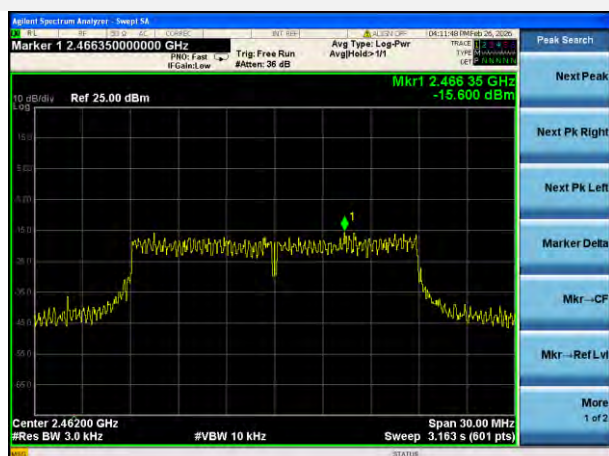
802.11n-20 MHz LOW CHANNEL



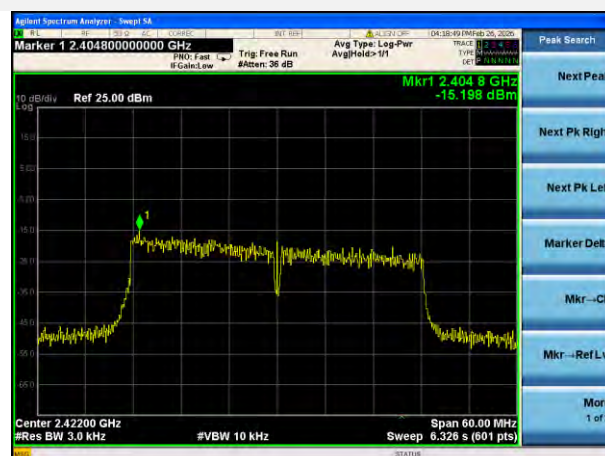
802.11n-20 MHz MIDDLE CHANNEL



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



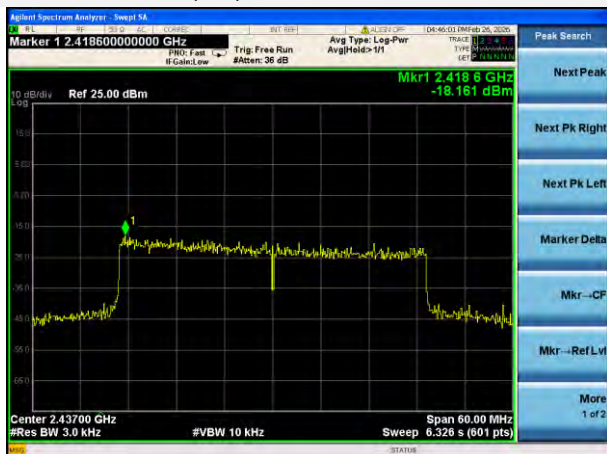
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANTB

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



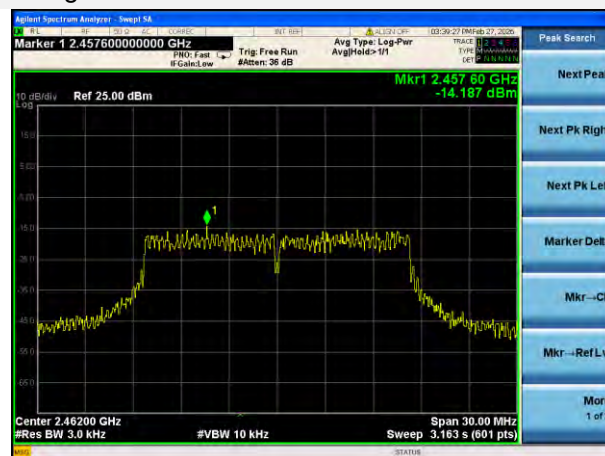
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



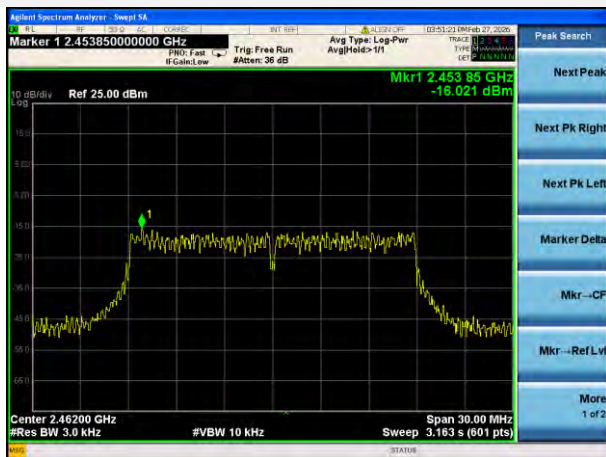
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



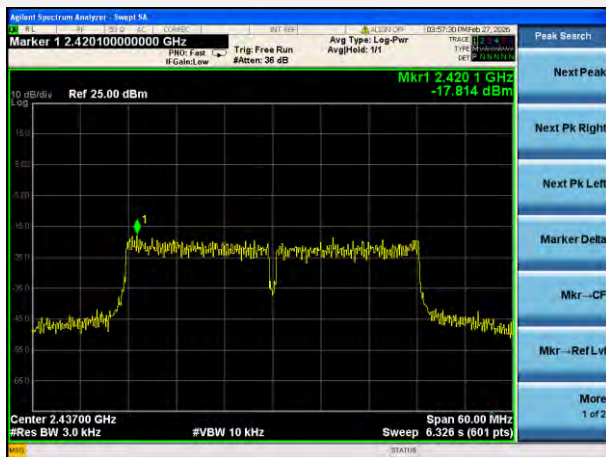
802.11n-20 MHz HIGH CHANNEL



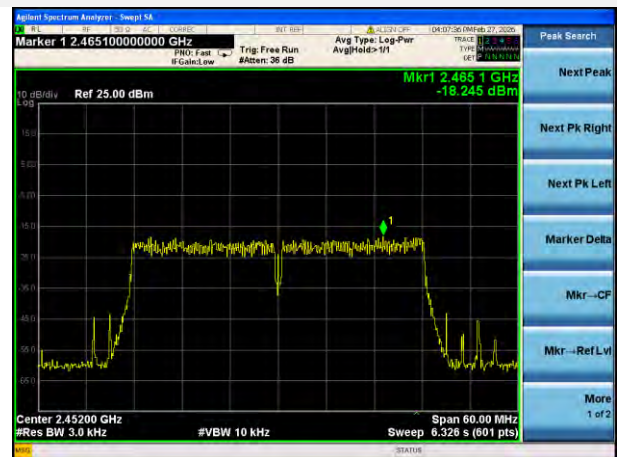
802.11n-40 MHz LOW CHANNEL



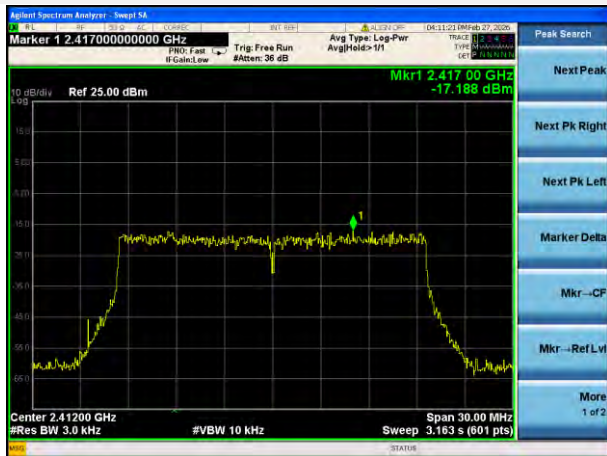
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



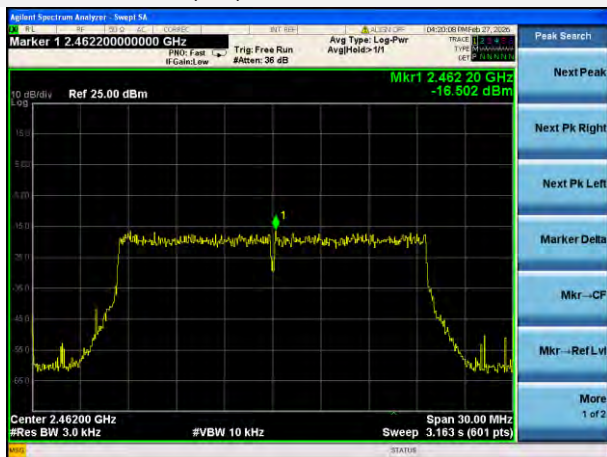
802.11ax-20 MHz(SU) LOW CHANNEL



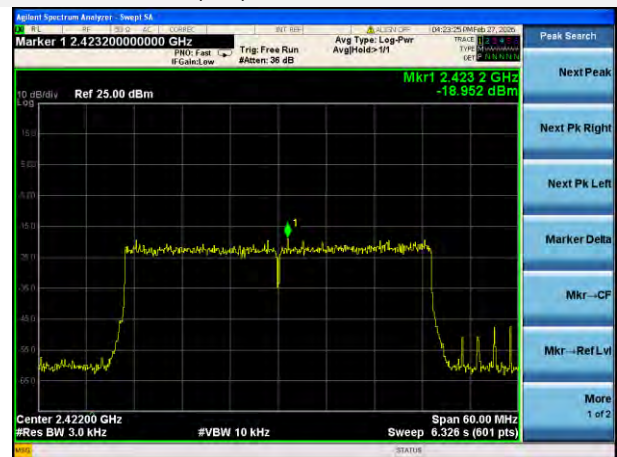
802.11ax-20 MHz(SU) MIDDLE CHANNEL



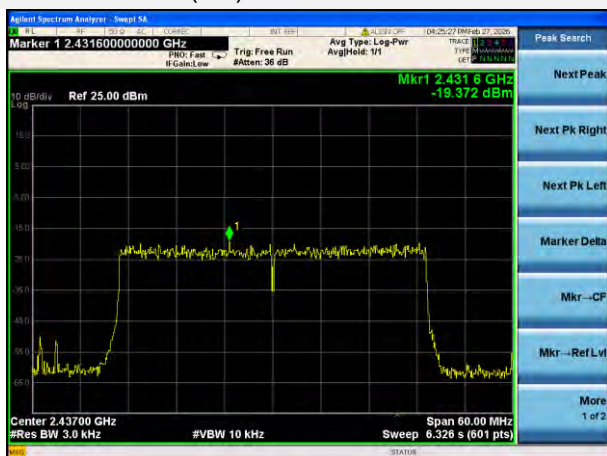
802.11ax-20 MHz(SU) HIGH CHANNEL



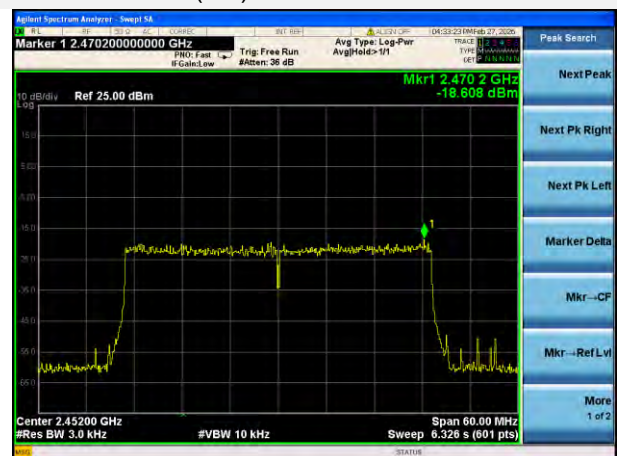
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26020171-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26020171-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26020171-AI.PDF”.

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--END OF REPORT--