

11N20SISO	Ant1	2462	-11.26	≤8.00	PASS
11N20MIMO	Ant0	2412	-12.93	≤8.00	PASS
11N20MIMO	Ant1	2412	-13.14	≤8.00	PASS
11N20MIMO	total	2412	-10.02	≤8.00	PASS
11N20MIMO	Ant0	2437	-13.63	≤8.00	PASS
11N20MIMO	Ant1	2437	-13.99	≤8.00	PASS
11N20MIMO	total	2437	-10.80	≤8.00	PASS
11N20MIMO	Ant0	2462	-13.50	≤8.00	PASS
11N20MIMO	Ant1	2462	-12.67	≤8.00	PASS
11N20MIMO	total	2462	-10.05	≤8.00	PASS
11N40SISO	Ant0	2422	-14.65	≤8.00	PASS
11N40SISO	Ant1	2422	-14.10	≤8.00	PASS
11N40SISO	Ant0	2437	-13.77	≤8.00	PASS
11N40SISO	Ant1	2437	-14.50	≤8.00	PASS
11N40SISO	Ant0	2452	-12.50	≤8.00	PASS
11N40SISO	Ant1	2452	-14.08	≤8.00	PASS
11N40MIMO	Ant0	2422	-16.55	≤8.00	PASS
11N40MIMO	Ant1	2422	-17.19	≤8.00	PASS
11N40MIMO	total	2422	-13.85	≤8.00	PASS
11N40MIMO	Ant0	2437	-17.78	≤8.00	PASS
11N40MIMO	Ant1	2437	-17.02	≤8.00	PASS
11N40MIMO	total	2437	-14.37	≤8.00	PASS
11N40MIMO	Ant0	2452	-15.57	≤8.00	PASS
11N40MIMO	Ant1	2452	-16.15	≤8.00	PASS
11N40MIMO	total	2452	-12.84	≤8.00	PASS

**Note1:**For Total PSD,according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density= $10\log(10^{(PSD_{antenna1} \text{ in dBm/10})} + 10^{(PSD_{antenna2} \text{ in dBm/10})})$ .

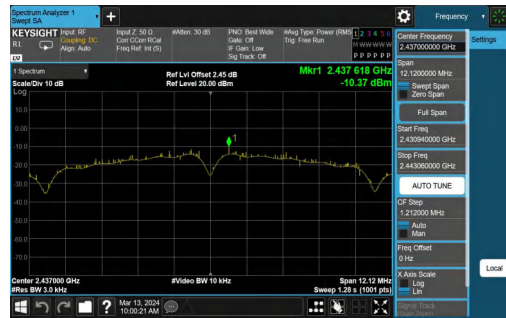
**Note2:**The manufacturer declared the transmitter output signals is CDD mode. And  $N_{SS}=1$ . According to KDB 662911D01 Multiple Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain =  $G_{ANT} + \text{Array Gain}$ .For PSD measurements on all devices,Array Gain= $10\log(N_{ANT}/N_{SS})\text{dB}$ , so directional gain= $G_{ANT}+\text{Array Gain}=-0.10+10\log(2/1)=2.91<6\text{dBi}$ .So the power limit is 8dBm/MHz.

## Test Graphs

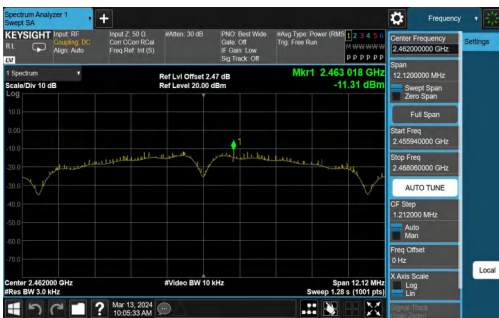
<p style="text-align: center;"><b>11B-Ant1-2412-PASS</b></p>	<p style="text-align: center;"><b>11B-Ant0-2412-PASS</b></p>
<p style="text-align: center;"><b>11B-Ant0-2437-PASS</b></p>	<p style="text-align: center;"><b>11B-Ant1-2437-PASS</b></p>
<p style="text-align: center;"><b>11B-Ant0-2462-PASS</b></p>	<p style="text-align: center;"><b>11B-Ant1-2462-PASS</b></p>
<p style="text-align: center;"><b>11B-CDD-Ant0-2412-PASS</b></p>	<p style="text-align: center;"><b>11B-CDD-Ant1-2412-PASS</b></p>
<p style="text-align: center;"><b>11B-CDD-Ant0-2437-PASS</b></p>	<p style="text-align: center;"><b>11B-CDD-Ant1-2437-PASS</b></p>



11B-CDD-Ant0-2462-PASS



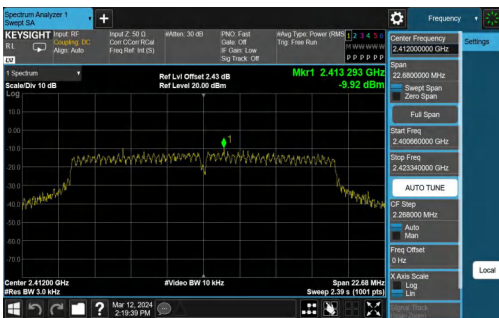
11B-CDD-Ant1-2462-PASS



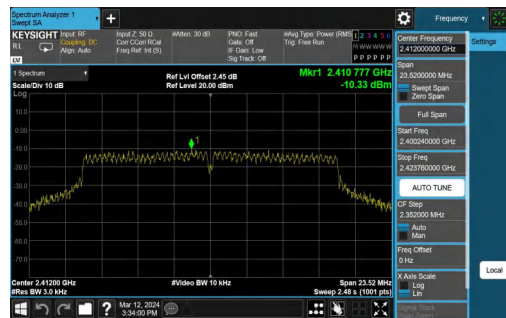
11G-Ant0-2412-PASS



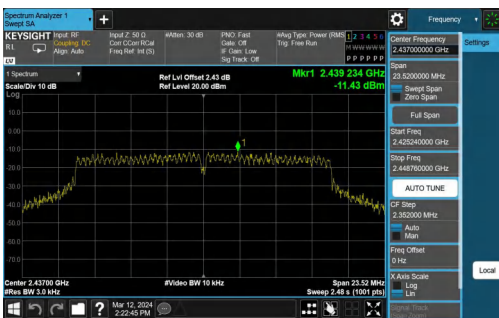
11G-Ant1-2412-PASS



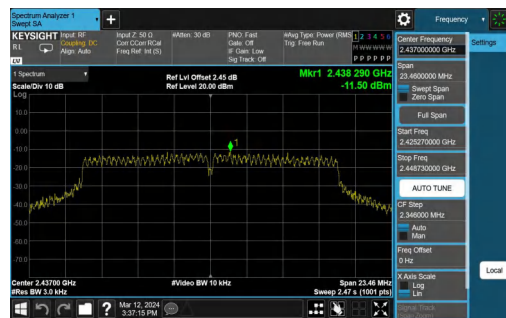
11G-Ant0-2437-PASS



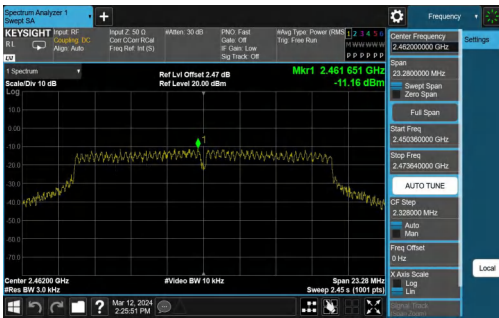
11G-Ant1-2437-PASS



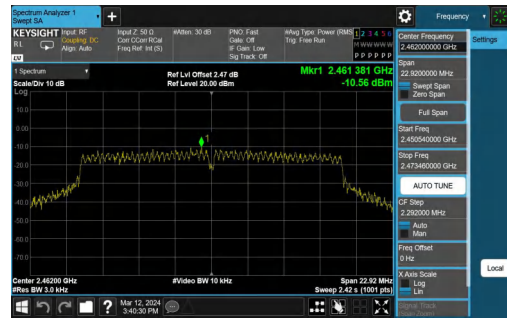
11G-Ant0-2462-PASS



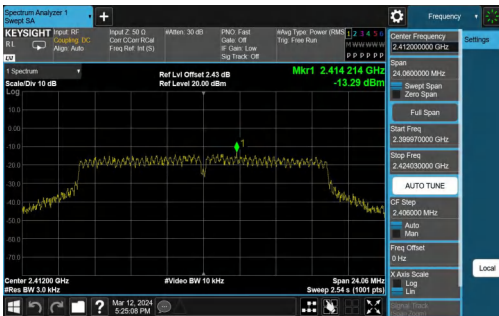
11G-Ant1-2462-PASS



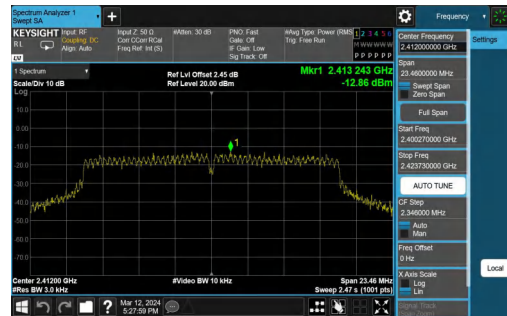
11G-CDD-Ant0-2412-PASS



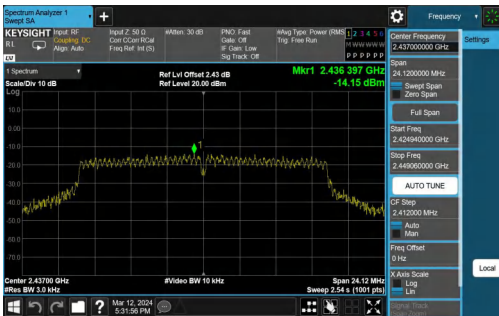
11G-CDD-Ant1-2412-PASS



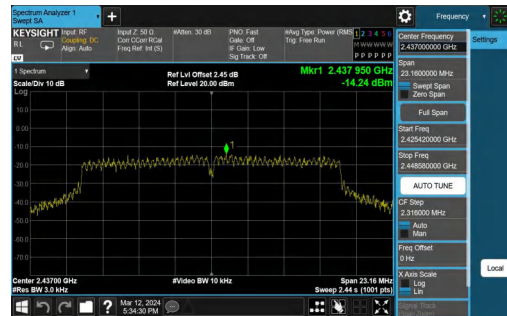
11G-CDD-Ant0-2437-PASS



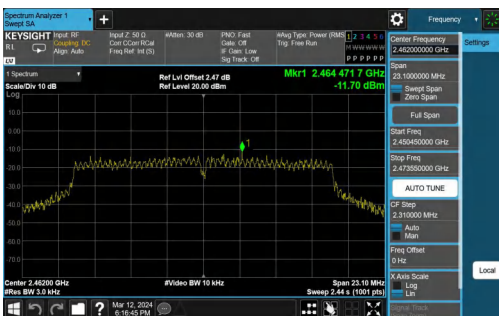
11G-CDD-Ant1-2437-PASS



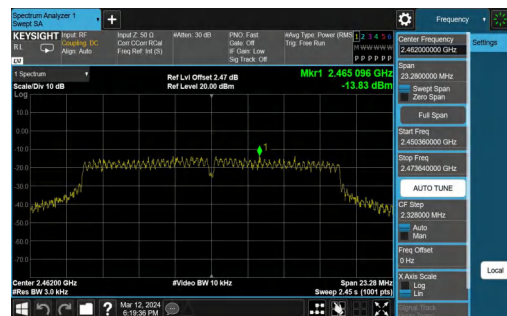
11G-CDD-Ant0-2462-PASS



11G-CDD-Ant1-2462-PASS

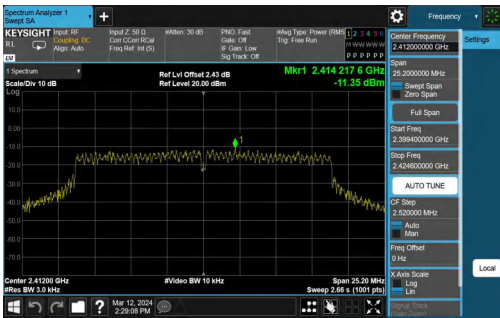


11N20SISO-Ant0-2412-PASS

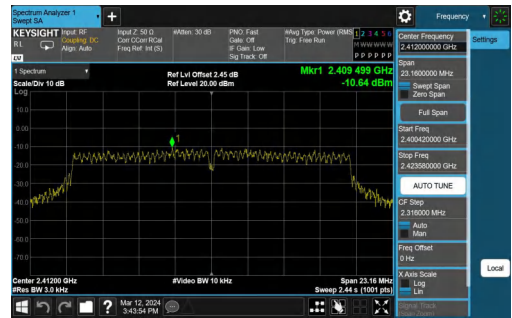


11N20SISO-Ant1-2412-PASS

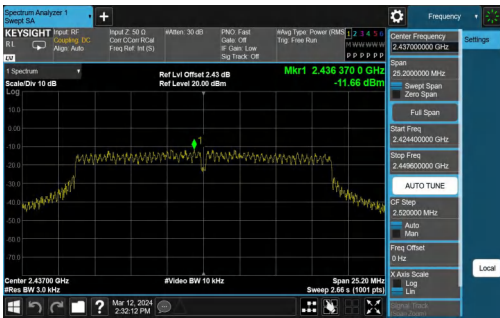




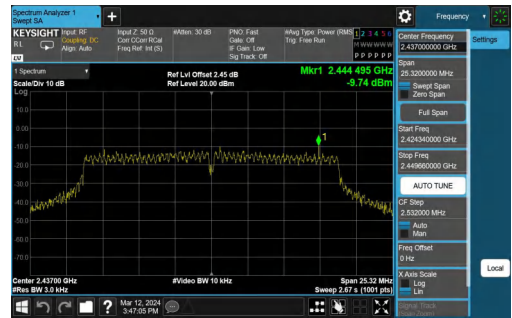
11N20SISO-Ant0-2437-PASS



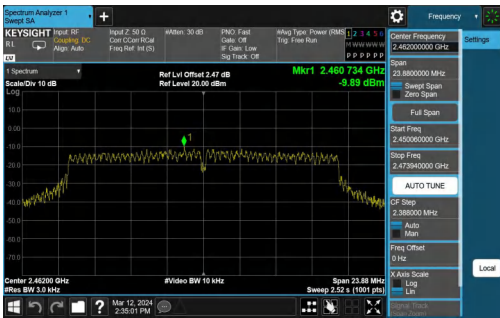
11N20SISO-Ant1-2437-PASS



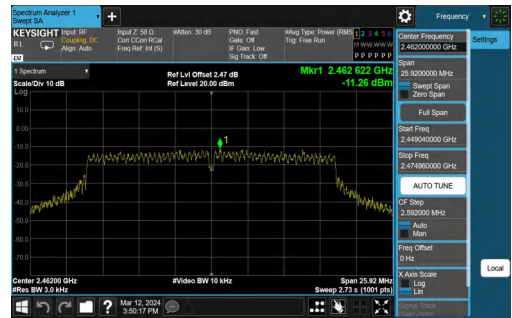
11N20SISO-Ant0-2462-PASS



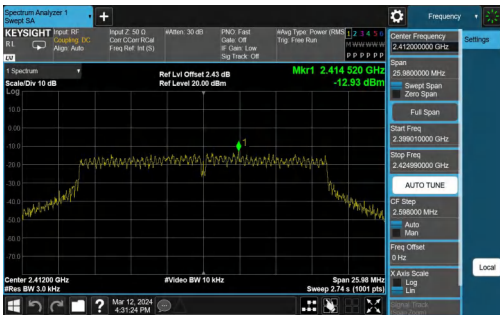
11N20SISO-Ant1-2462-PASS



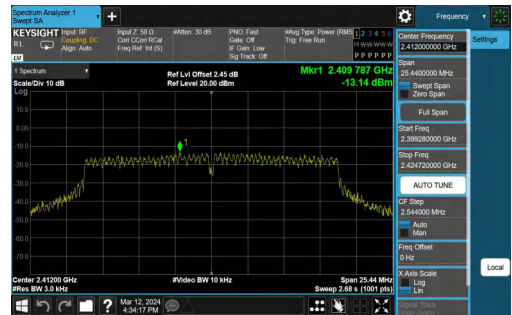
11N20MIMO-Ant0-2412-PASS



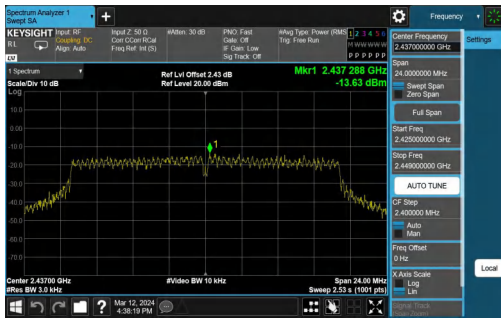
11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant0-2437-PASS



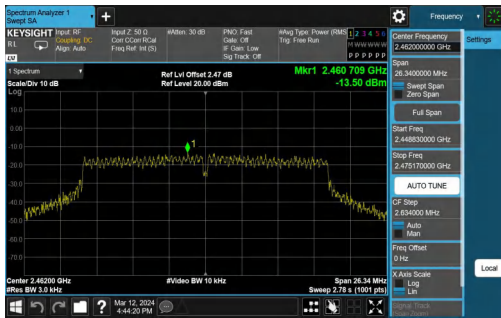
11N20MIMO-Ant1-2437-PASS



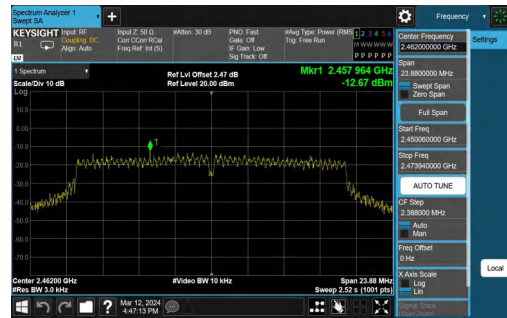
11N20MIMO-Ant0-2462-PASS



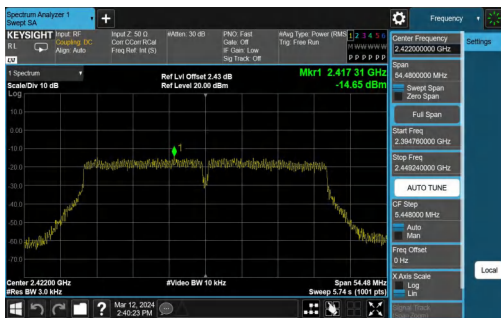
11N20MIMO-Ant1-2462-PASS



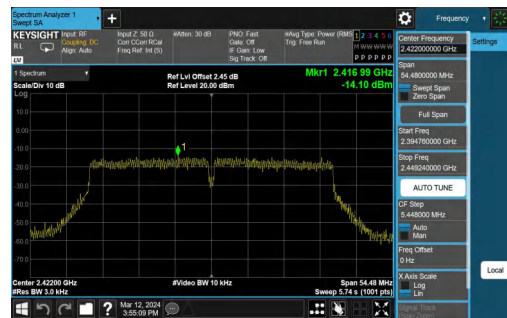
11N40SISO-Ant0-2422-PASS



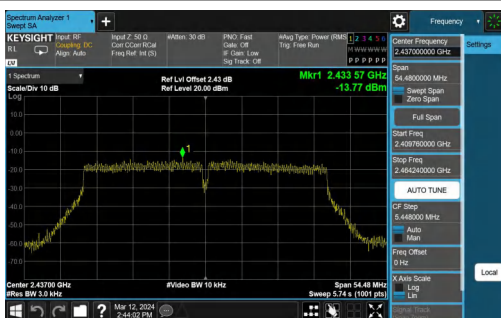
11N40SISO-Ant1-2422-PASS



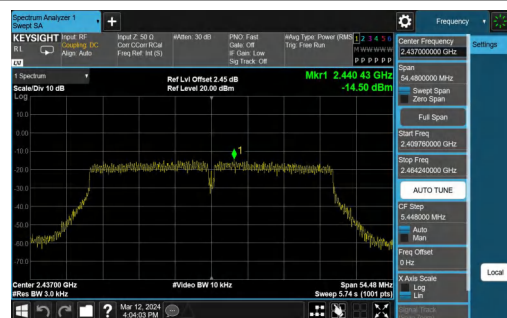
11N40SISO-Ant0-2437-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant0-2452-PASS



11N40SISO-Ant1-2452-PASS



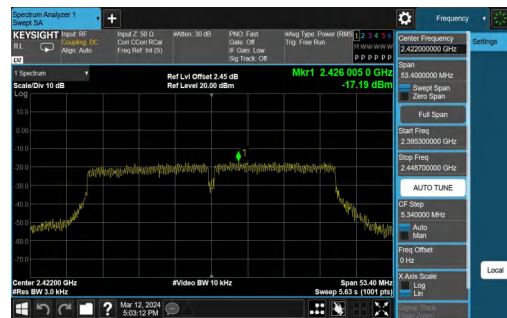
11N40MIMO-Ant0-2422-PASS



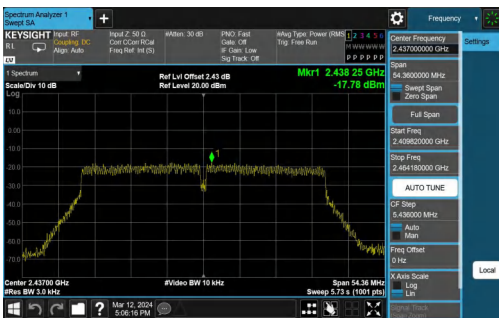
11N40MIMO-Ant1-2422-PASS



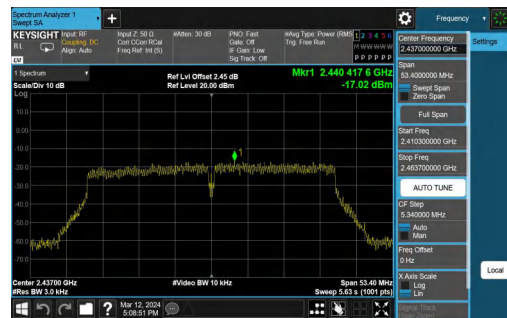
11N40MIMO-Ant0-2437-PASS



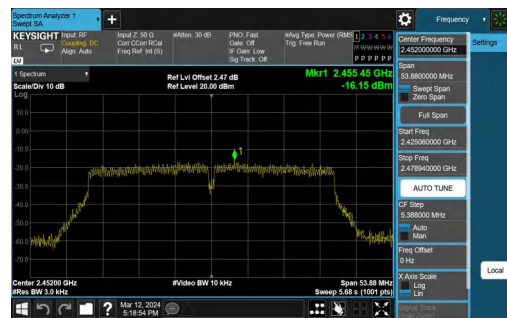
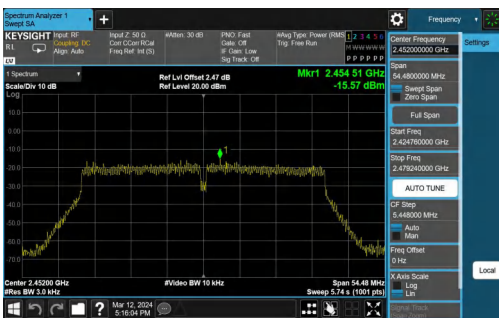
11N40MIMO-Ant1-2437-PASS



11N40MIMO-Ant0-2452-PASS



11N40MIMO-Ant1-2452-PASS



## A.4 Conducted Band Edges and Spurious Emission

### Test Result

#### Band Edges

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.45	-36.97	≤-10.55	PASS
11B	Ant0	Low	2412	8.82	-38.09	≤-11.18	PASS
11B	Ant0	High	2462	9.31	-46.46	≤-10.69	PASS
11B	Ant1	High	2462	8.85	-49.92	≤-11.15	PASS
11B-CDD	Ant0	Low	2412	5.98	-38.86	≤-14.02	PASS
11B-CDD	Ant1	Low	2412	6.91	-33.05	≤-13.09	PASS
11B-CDD	Ant0	High	2462	6.38	-52.37	≤-13.62	PASS
11B-CDD	Ant1	High	2462	6.34	-51.82	≤-13.66	PASS
11G	Ant0	Low	2412	6.61	-24.98	≤-13.39	PASS
11G	Ant1	Low	2412	7.26	-25.04	≤-12.74	PASS
11G	Ant0	High	2462	7.11	-41.92	≤-12.89	PASS
11G	Ant1	High	2462	6.50	-40.09	≤-13.5	PASS
11G-CDD	Ant0	Low	2412	3.59	-26.35	≤-16.41	PASS
11G-CDD	Ant1	Low	2412	4.77	-24.14	≤-15.23	PASS
11G-CDD	Ant0	High	2462	4.04	-48.58	≤-15.96	PASS
11G-CDD	Ant1	High	2462	4.01	-43.74	≤-15.99	PASS
11N20SISO	Ant0	Low	2412	6.73	-23.18	≤-13.27	PASS
11N20SISO	Ant1	Low	2412	7.20	-22.56	≤-12.8	PASS
11N20SISO	Ant0	High	2462	6.59	-40.93	≤-13.41	PASS
11N20SISO	Ant1	High	2462	6.35	-42.39	≤-13.65	PASS
11N20MIMO	Ant0	Low	2412	3.23	-26.03	≤-16.77	PASS
11N20MIMO	Ant1	Low	2412	4.80	-25.41	≤-15.2	PASS
11N20MIMO	Ant0	High	2462	3.82	-40.93	≤-16.18	PASS
11N20MIMO	Ant1	High	2462	3.99	-40.48	≤-16.01	PASS
11N40SISO	Ant0	Low	2422	1.97	-29.39	≤-18.03	PASS
11N40SISO	Ant1	Low	2422	2.07	-27.87	≤-17.93	PASS
11N40SISO	Ant0	High	2452	2.04	-33.28	≤-17.96	PASS
11N40SISO	Ant1	High	2452	2.20	-32.58	≤-17.8	PASS
11N40MIMO	Ant0	Low	2422	-0.31	-35.76	≤-20.31	PASS
11N40MIMO	Ant1	Low	2422	-0.26	-28.89	≤-20.26	PASS
11N40MIMO	Ant0	High	2452	-0.22	-41.8	≤-20.22	PASS
11N40MIMO	Ant1	High	2452	-0.61	-37.26	≤-20.61	PASS



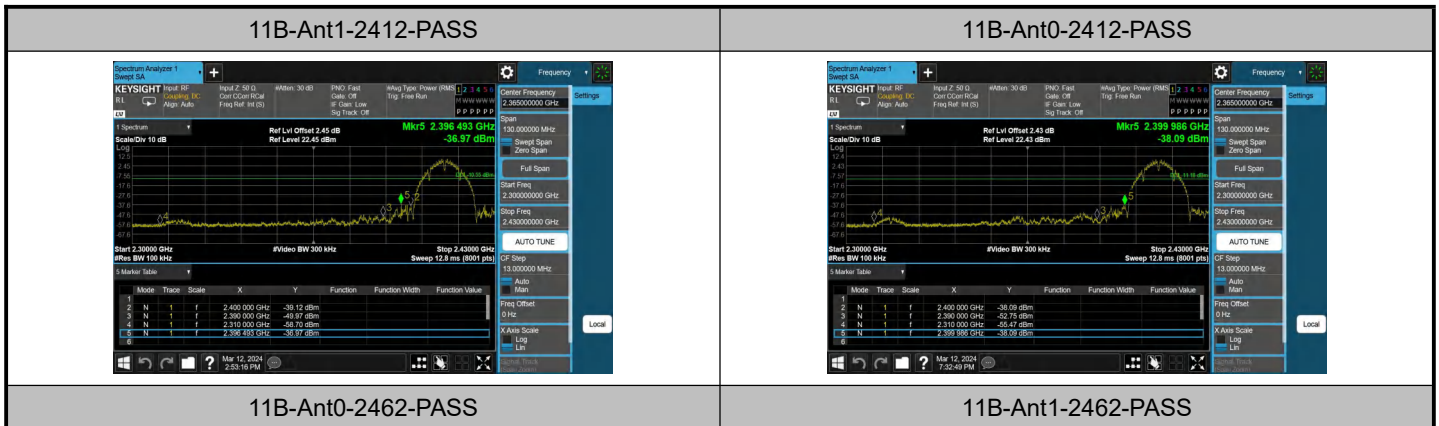
## Spurious Emission

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	9.45	-68.9	≤-10.55	PASS
11B	Ant0	2412	30~1000	8.82	-68.99	≤-11.18	PASS
11B	Ant1	2412	1000~26500	9.45	-52.94	≤-10.55	PASS
11B	Ant0	2412	1000~26500	8.82	-50.64	≤-11.18	PASS
11B	Ant1	2437	30~1000	8.43	-67.42	≤-11.57	PASS
11B	Ant0	2437	30~1000	8.57	-69.21	≤-11.43	PASS
11B	Ant1	2437	1000~26500	8.43	-54.8	≤-11.57	PASS
11B	Ant0	2437	1000~26500	8.57	-50.31	≤-11.43	PASS
11B	Ant0	2462	30~1000	9.31	-68.39	≤-10.69	PASS
11B	Ant1	2462	30~1000	8.85	-68.9	≤-11.15	PASS
11B	Ant0	2462	1000~26500	9.31	-49.35	≤-10.69	PASS
11B	Ant1	2462	1000~26500	8.85	-55.26	≤-11.15	PASS
11B-CDD	Ant0	2412	30~1000	5.98	-69.43	≤-14.02	PASS
11B-CDD	Ant1	2412	30~1000	6.91	-69.16	≤-13.09	PASS
11B-CDD	Ant0	2412	1000~26500	5.98	-51.73	≤-14.02	PASS
11B-CDD	Ant1	2412	1000~26500	6.91	-51.79	≤-13.09	PASS
11B-CDD	Ant0	2437	30~1000	5.78	-68.92	≤-14.22	PASS
11B-CDD	Ant1	2437	30~1000	6.07	-69.04	≤-13.93	PASS
11B-CDD	Ant0	2437	1000~26500	5.78	-53.1	≤-14.22	PASS
11B-CDD	Ant1	2437	1000~26500	6.07	-50.78	≤-13.93	PASS
11B-CDD	Ant0	2462	30~1000	6.38	-69.15	≤-13.62	PASS
11B-CDD	Ant1	2462	30~1000	6.34	-69	≤-13.66	PASS
11B-CDD	Ant0	2462	1000~26500	6.38	-51.98	≤-13.62	PASS
11B-CDD	Ant1	2462	1000~26500	6.34	-50.61	≤-13.66	PASS
11G	Ant0	2412	30~1000	6.61	-68.32	≤-13.39	PASS
11G	Ant1	2412	30~1000	7.26	-68.88	≤-12.74	PASS
11G	Ant0	2412	1000~26500	6.61	-53.07	≤-13.39	PASS
11G	Ant1	2412	1000~26500	7.26	-50.11	≤-12.74	PASS
11G	Ant0	2437	30~1000	6.60	-69.01	≤-13.4	PASS
11G	Ant1	2437	30~1000	6.11	-69	≤-13.89	PASS
11G	Ant0	2437	1000~26500	6.60	-53.94	≤-13.4	PASS
11G	Ant1	2437	1000~26500	6.11	-50.97	≤-13.89	PASS
11G	Ant0	2462	30~1000	7.11	-65.58	≤-12.89	PASS
11G	Ant1	2462	30~1000	6.50	-69.14	≤-13.5	PASS
11G	Ant0	2462	1000~26500	7.11	-52.16	≤-12.89	PASS
11G	Ant1	2462	1000~26500	6.50	-53.14	≤-13.5	PASS

11G-CDD	Ant0	2412	30~1000	3.59	-68.91	≤-16.41	PASS
11G-CDD	Ant1	2412	30~1000	4.77	-66.38	≤-15.23	PASS
11G-CDD	Ant0	2412	1000~26500	3.59	-54.64	≤-16.41	PASS
11G-CDD	Ant1	2412	1000~26500	4.77	-51.12	≤-15.23	PASS
11G-CDD	Ant0	2437	30~1000	2.93	-69.22	≤-17.07	PASS
11G-CDD	Ant1	2437	30~1000	3.19	-68.84	≤-16.81	PASS
11G-CDD	Ant0	2437	1000~26500	2.93	-54.1	≤-17.07	PASS
11G-CDD	Ant1	2437	1000~26500	3.19	-54.85	≤-16.81	PASS
11G-CDD	Ant0	2462	30~1000	4.04	-68.93	≤-15.96	PASS
11G-CDD	Ant1	2462	30~1000	4.01	-68.79	≤-15.99	PASS
11G-CDD	Ant0	2462	1000~26500	4.04	-54.34	≤-15.96	PASS
11G-CDD	Ant1	2462	1000~26500	4.01	-54.49	≤-15.99	PASS
11N20SISO	Ant0	2412	30~1000	6.73	-68.72	≤-13.27	PASS
11N20SISO	Ant1	2412	30~1000	7.20	-69.18	≤-12.8	PASS
11N20SISO	Ant0	2412	1000~26500	6.73	-53.75	≤-13.27	PASS
11N20SISO	Ant1	2412	1000~26500	7.20	-50	≤-12.8	PASS
11N20SISO	Ant0	2437	30~1000	5.85	-69.05	≤-14.15	PASS
11N20SISO	Ant1	2437	30~1000	6.25	-69.16	≤-13.75	PASS
11N20SISO	Ant0	2437	1000~26500	5.85	-53.03	≤-14.15	PASS
11N20SISO	Ant1	2437	1000~26500	6.25	-51.08	≤-13.75	PASS
11N20SISO	Ant0	2462	30~1000	6.59	-68.32	≤-13.41	PASS
11N20SISO	Ant1	2462	30~1000	6.35	-68.97	≤-13.65	PASS
11N20SISO	Ant0	2462	1000~26500	6.59	-53.29	≤-13.41	PASS
11N20SISO	Ant1	2462	1000~26500	6.35	-52.48	≤-13.65	PASS
11N20MIMO	Ant0	2412	30~1000	3.23	-69.2	≤-16.77	PASS
11N20MIMO	Ant1	2412	30~1000	4.80	-68.29	≤-15.2	PASS
11N20MIMO	Ant0	2412	1000~26500	3.23	-54.48	≤-16.77	PASS
11N20MIMO	Ant1	2412	1000~26500	4.80	-51.2	≤-15.2	PASS
11N20MIMO	Ant0	2437	30~1000	3.67	-68.37	≤-16.33	PASS
11N20MIMO	Ant1	2437	30~1000	3.74	-69.04	≤-16.26	PASS
11N20MIMO	Ant0	2437	1000~26500	3.67	-54.42	≤-16.33	PASS
11N20MIMO	Ant1	2437	1000~26500	3.74	-54.92	≤-16.26	PASS
11N20MIMO	Ant0	2462	30~1000	3.82	-68.28	≤-16.18	PASS
11N20MIMO	Ant1	2462	30~1000	3.99	-62.05	≤-16.01	PASS
11N20MIMO	Ant0	2462	1000~26500	3.82	-54.67	≤-16.18	PASS
11N20MIMO	Ant1	2462	1000~26500	3.99	-54.96	≤-16.01	PASS
11N40SISO	Ant0	2422	30~1000	1.97	-69.25	≤-18.03	PASS
11N40SISO	Ant1	2422	30~1000	2.07	-68.82	≤-17.93	PASS
11N40SISO	Ant0	2422	1000~26500	1.97	-54.47	≤-18.03	PASS

11N40SISO	Ant1	2422	1000~26500	2.07	-52.03	≤-17.93	PASS
11N40SISO	Ant0	2437	30~1000	1.58	-68.92	≤-18.42	PASS
11N40SISO	Ant1	2437	30~1000	1.54	-68.49	≤-18.46	PASS
11N40SISO	Ant0	2437	1000~26500	1.58	-54.95	≤-18.42	PASS
11N40SISO	Ant1	2437	1000~26500	1.54	-52.66	≤-18.46	PASS
11N40SISO	Ant0	2452	30~1000	2.04	-68.99	≤-17.96	PASS
11N40SISO	Ant1	2452	30~1000	2.20	-68.89	≤-17.8	PASS
11N40SISO	Ant0	2452	1000~26500	2.04	-55.28	≤-17.96	PASS
11N40SISO	Ant1	2452	1000~26500	2.20	-53.69	≤-17.8	PASS
11N40MIMO	Ant0	2422	30~1000	-0.31	-68.77	≤-20.31	PASS
11N40MIMO	Ant1	2422	30~1000	-0.26	-68.58	≤-20.26	PASS
11N40MIMO	Ant0	2422	1000~26500	-0.31	-55.06	≤-20.31	PASS
11N40MIMO	Ant1	2422	1000~26500	-0.26	-54.5	≤-20.26	PASS
11N40MIMO	Ant0	2437	30~1000	-0.35	-68.88	≤-20.35	PASS
11N40MIMO	Ant1	2437	30~1000	-0.99	-67.77	≤-20.99	PASS
11N40MIMO	Ant0	2437	1000~26500	-0.35	-55.4	≤-20.35	PASS
11N40MIMO	Ant1	2437	1000~26500	-0.99	-54.79	≤-20.99	PASS
11N40MIMO	Ant0	2452	30~1000	-0.22	-68.69	≤-20.22	PASS
11N40MIMO	Ant1	2452	30~1000	-0.61	-68.75	≤-20.61	PASS
11N40MIMO	Ant0	2452	1000~26500	-0.22	-54.21	≤-20.22	PASS
11N40MIMO	Ant1	2452	1000~26500	-0.61	-55.06	≤-20.61	PASS

## Test Graphs Band Edges





11B-CDD-Ant0-2412-PASS



11B-CDD-Ant1-2412-PASS



11B-CDD-Ant0-2462-PASS



11B-CDD-Ant1-2462-PASS



11G-Ant0-2412-PASS



11G-Ant1-2412-PASS



11G-Ant0-2462-PASS



11G-Ant1-2462-PASS





11G-CDD-Ant0-2412-PASS



11G-CDD-Ant1-2412-PASS



11G-CDD-Ant0-2462-PASS



11G-CDD-Ant1-2462-PASS



11N20SISO-Ant0-2412-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant0-2462-PASS



11N20SISO-Ant1-2462-PASS



11N20MIMO-Ant0-2412-PASS



11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant0-2462-PASS



11N20MIMO-Ant1-2462-PASS



11N40SISO-Ant0-2422-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant0-2452-PASS



11N40SISO-Ant1-2452-PASS



11N40MIMO-Ant0-2422-PASS



11N40MIMO-Ant1-2422-PASS



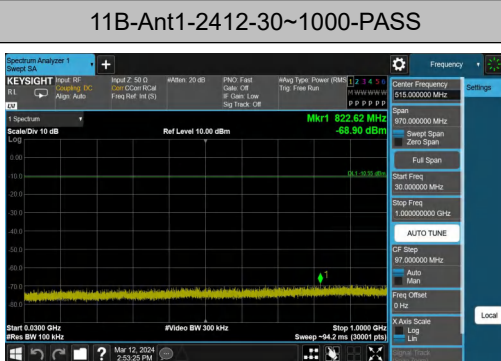
11N40MIMO-Ant0-2452-PASS



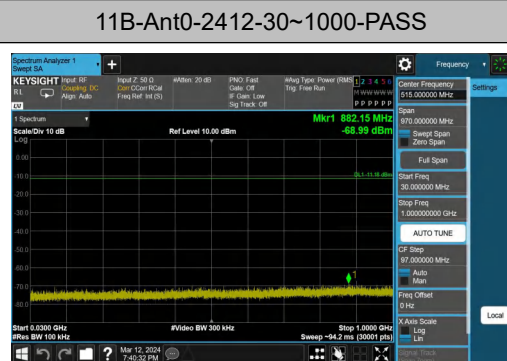
11N40MIMO-Ant1-2452-PASS



## Spurious Emission

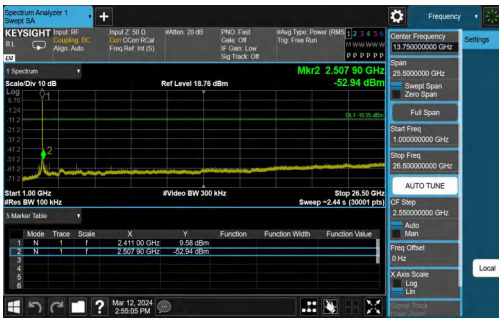


11B-Ant1-2412-1000~26500-PASS



11B-Ant0-2412-1000~26500-PASS

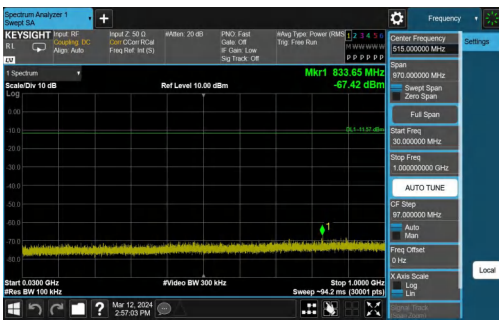




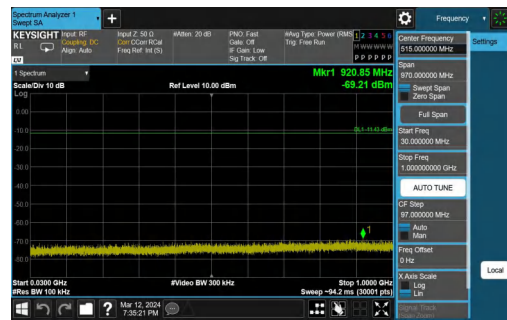
11B-Ant1-2437-30~1000-PASS



11B-Ant0-2437-30~1000-PASS



11B-Ant1-2437-1000~26500-PASS



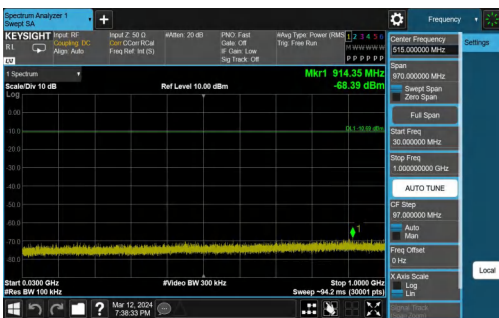
11B-Ant0-2437-1000~26500-PASS



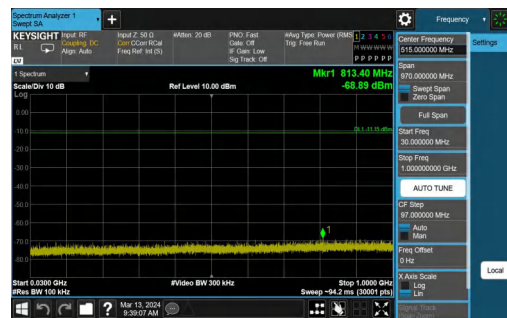
11B-Ant0-2462-30~1000-PASS



11B-Ant1-2462-30~1000-PASS



11B-Ant0-2462-1000~26500-PASS



11B-Ant1-2462-1000~26500-PASS

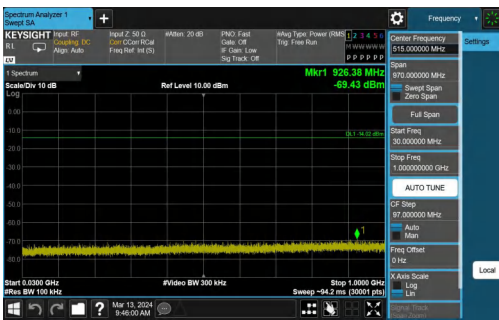




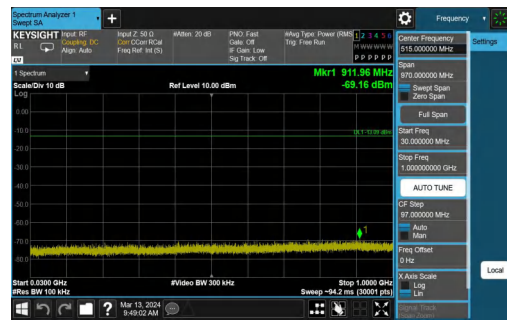
11B-CDD-Ant0-2412-30~1000-PASS



11B-CDD-Ant1-2412-30~1000-PASS



11B-CDD-Ant0-2412-1000~26500-PASS



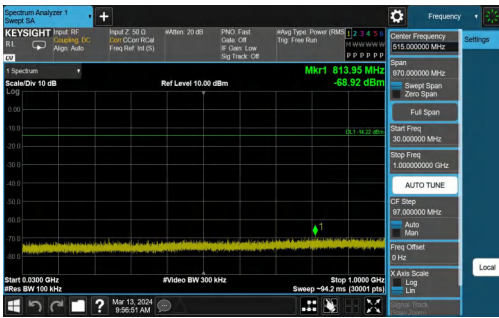
11B-CDD-Ant1-2412-1000~26500-PASS



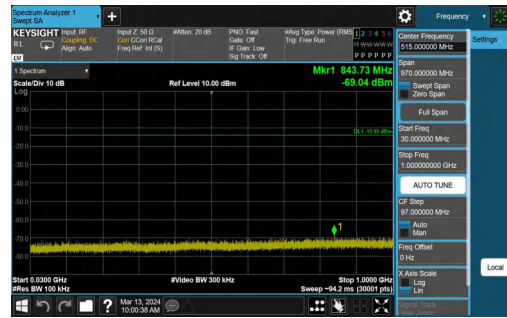
11B-CDD-Ant0-2437-30~1000-PASS



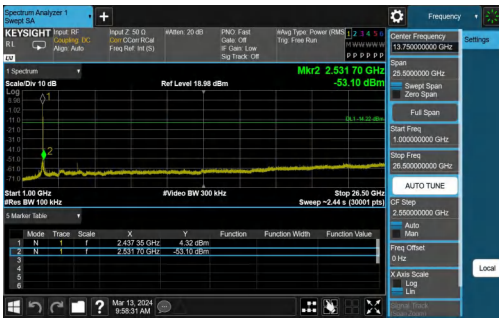
11B-CDD-Ant1-2437-30~1000-PASS



11B-CDD-Ant0-2437-1000~26500-PASS



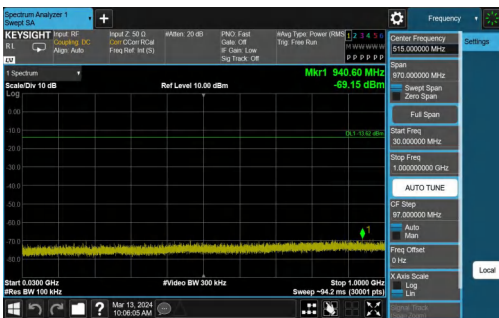
11B-CDD-Ant1-2437-1000~26500-PASS



11B-CDD-Ant0-2462-30~1000-PASS



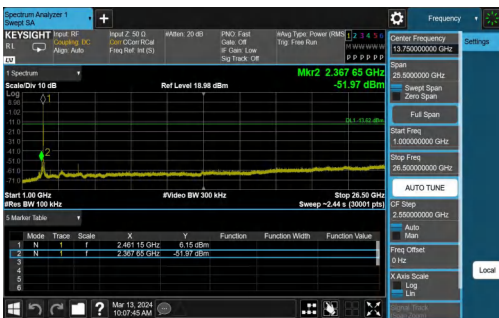
11B-CDD-Ant1-2462-30~1000-PASS



11B-CDD-Ant0-2462-1000~26500-PASS



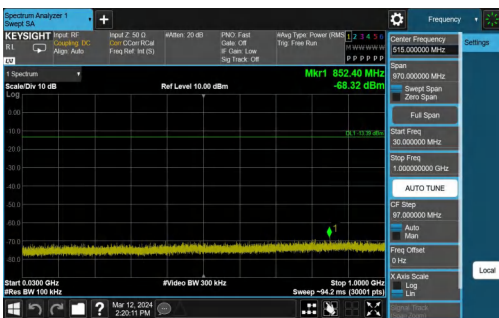
11B-CDD-Ant1-2462-1000~26500-PASS



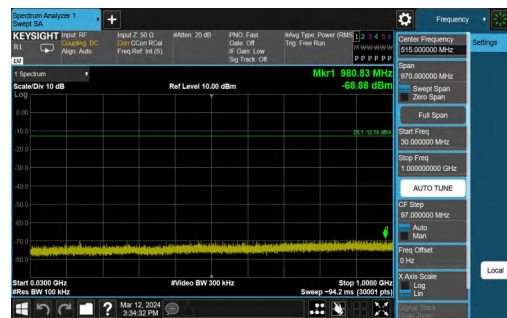
11G-Ant0-2412-30~1000-PASS



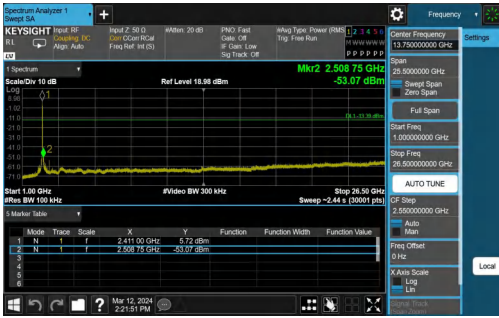
11G-Ant1-2412-30~1000-PASS



11G-Ant0-2412-1000~26500-PASS



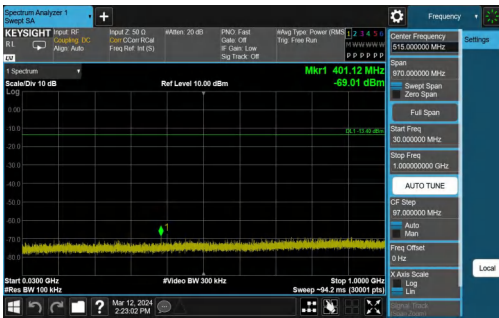
11G-Ant1-2412-1000~26500-PASS



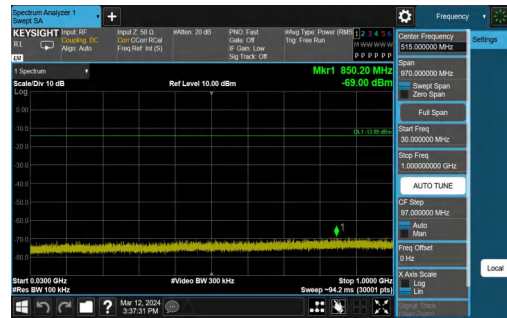
11G-Ant0-2437-30~1000-PASS



11G-Ant1-2437-30~1000-PASS



11G-Ant0-2437-1000~26500-PASS



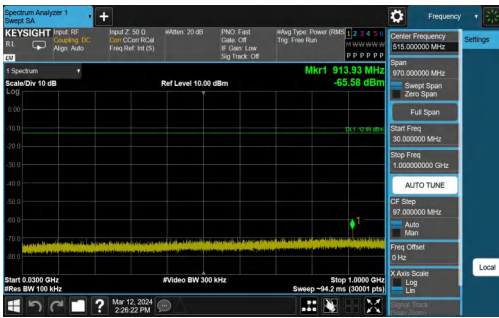
11G-Ant1-2437-1000~26500-PASS



11G-Ant0-2462-30~1000-PASS



11G-Ant1-2462-30~1000-PASS



11G-Ant0-2462-1000~26500-PASS

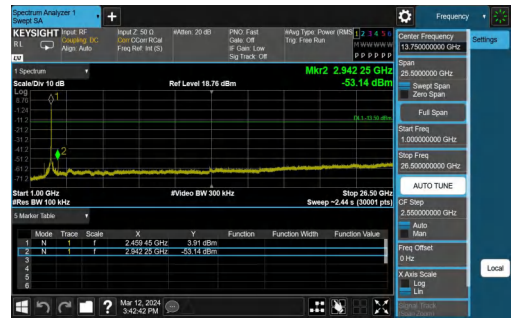


11G-Ant1-2462-1000~26500-PASS

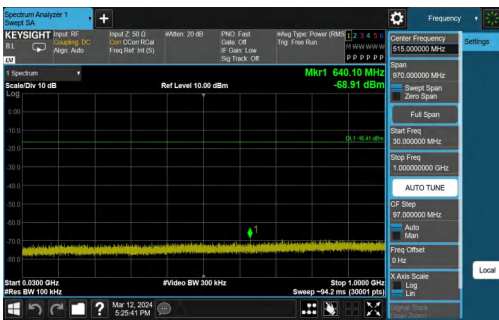




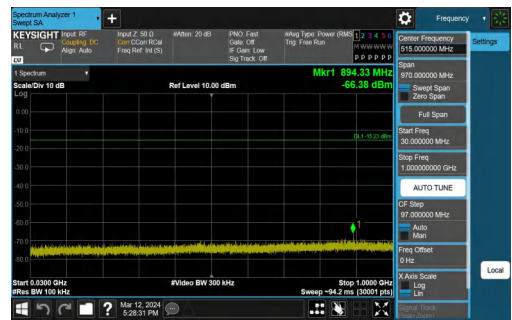
11G-CDD-Ant0-2412-30~1000-PASS



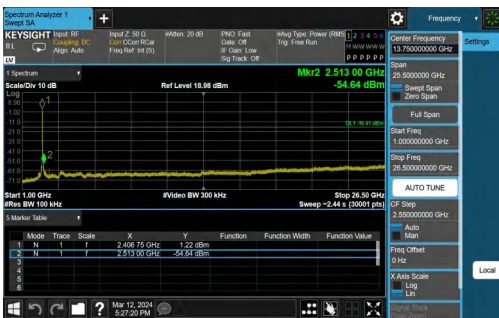
11G-CDD-Ant1-2412-30~1000-PASS



11G-CDD-Ant0-2412-1000~26500-PASS



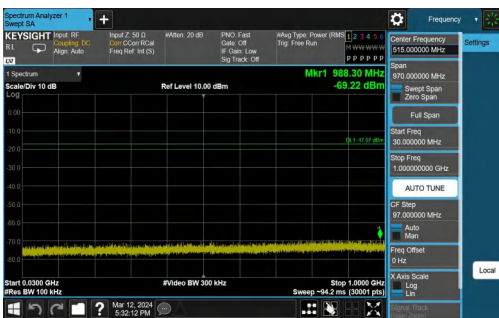
11G-CDD-Ant1-2412-1000~26500-PASS



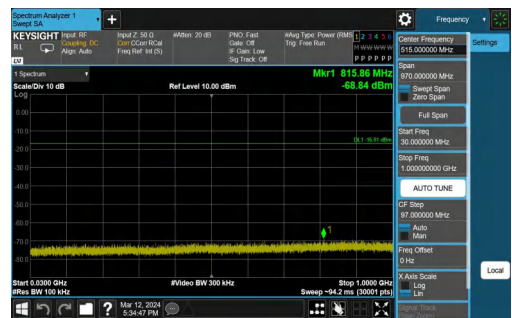
11G-CDD-Ant0-2437-30~1000-PASS



11G-CDD-Ant1-2437-30~1000-PASS



11G-CDD-Ant0-2437-1000~26500-PASS



11G-CDD-Ant1-2437-1000~26500-PASS