

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.040	2417.080	0.5	PASS
	Ant2	2412	10.080	2407.000	2417.080	0.5	PASS
	Ant1	2437	10.040	2432.040	2442.080	0.5	PASS
	Ant2	2437	10.040	2432.040	2442.080	0.5	PASS
	Ant1	2462	10.040	2457.040	2467.080	0.5	PASS
	Ant2	2462	10.040	2457.040	2467.080	0.5	PASS
11G	Ant1	2412	16.360	2403.880	2420.240	0.5	PASS
	Ant2	2412	16.320	2403.920	2420.240	0.5	PASS
	Ant1	2437	16.360	2428.880	2445.240	0.5	PASS
	Ant2	2437	16.360	2428.880	2445.240	0.5	PASS
	Ant1	2462	16.320	2453.880	2470.200	0.5	PASS
	Ant2	2462	16.320	2453.880	2470.200	0.5	PASS
11N20MIMO	Ant1	2412	16.360	2403.880	2420.240	0.5	PASS
	Ant2	2412	16.360	2403.880	2420.240	0.5	PASS
	Ant1	2437	17.320	2428.280	2445.600	0.5	PASS
	Ant2	2437	17.320	2428.280	2445.600	0.5	PASS
	Ant1	2462	17.560	2453.280	2470.840	0.5	PASS
	Ant2	2462	17.520	2453.280	2470.800	0.5	PASS
11N40MIMO	Ant1	2422	35.360	2404.240	2439.600	0.5	PASS
	Ant2	2422	35.280	2404.480	2439.760	0.5	PASS
	Ant1	2437	35.440	2419.080	2454.520	0.5	PASS
	Ant2	2437	35.120	2419.480	2454.600	0.5	PASS
	Ant1	2452	35.440	2434.160	2469.600	0.5	PASS
	Ant2	2452	35.120	2434.480	2469.600	0.5	PASS



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Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



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11B_Ant2_2437



11B_Ant1_2462



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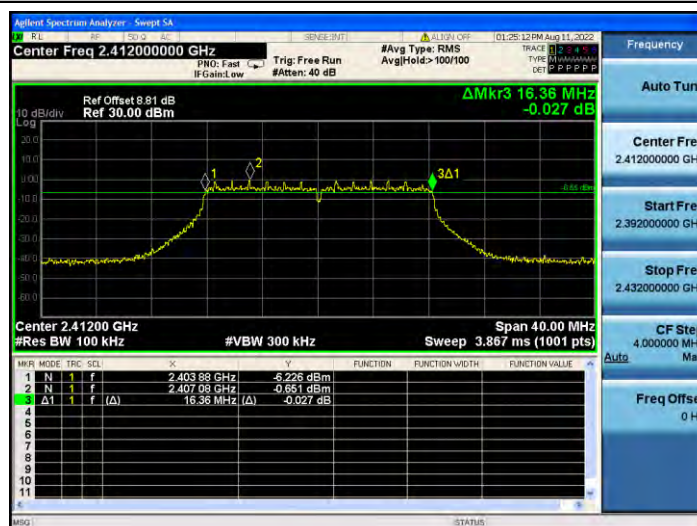
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11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412



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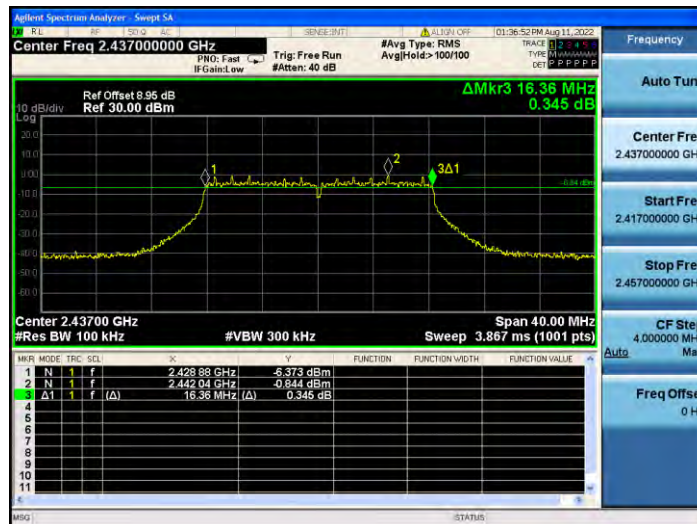
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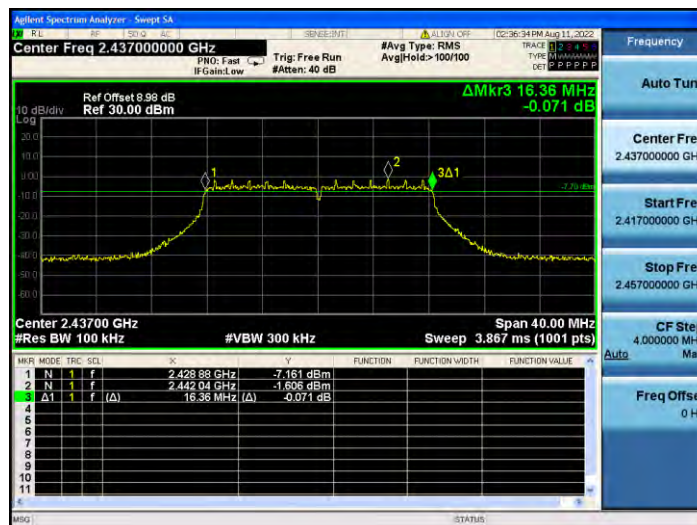
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11G_Ant2_2437

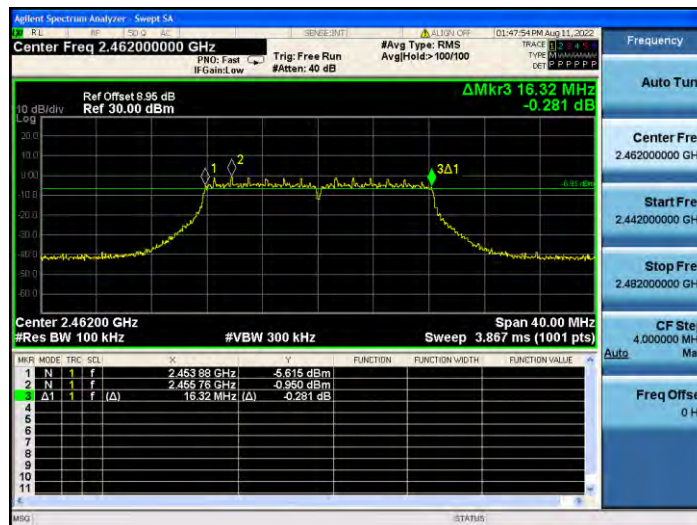


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11G_Ant2_2462



11N20MIMO_Ant1_2412

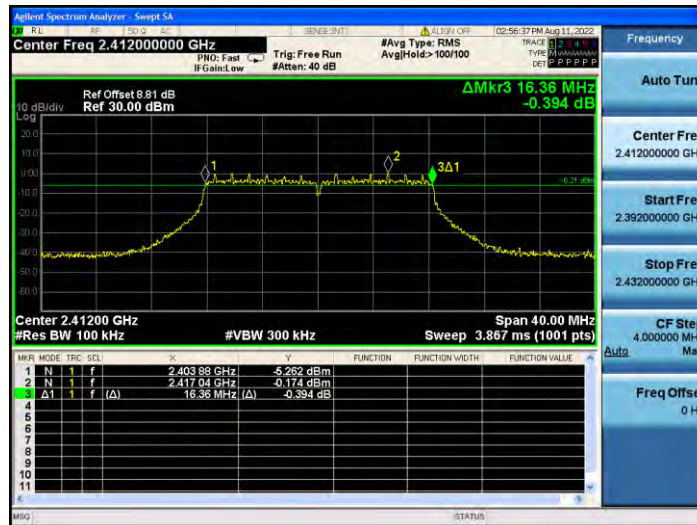


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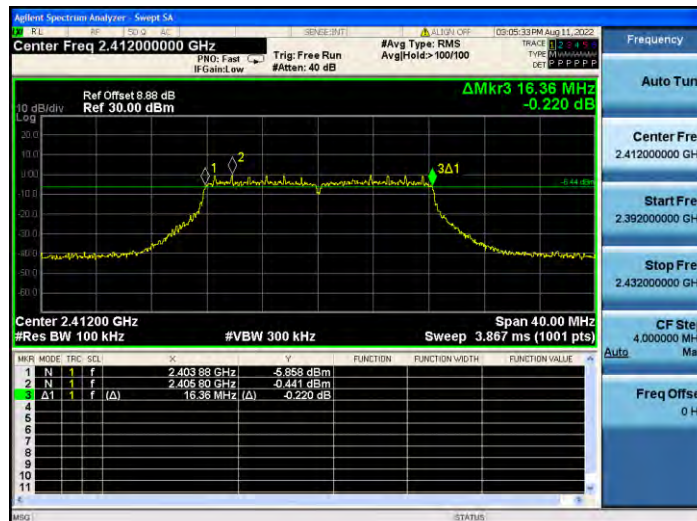
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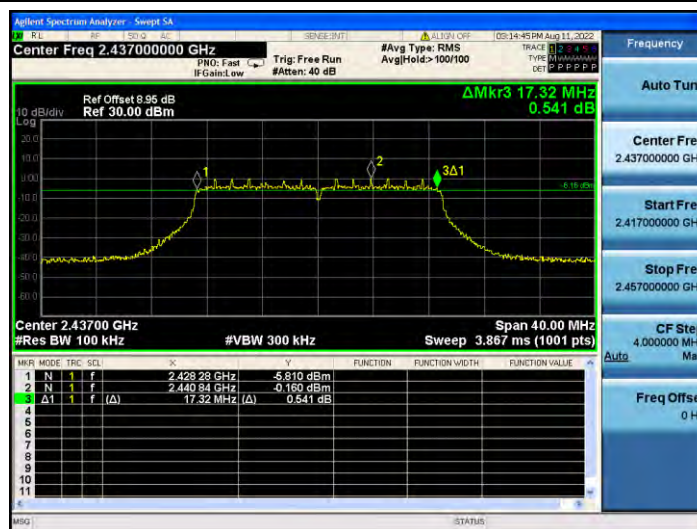
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11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



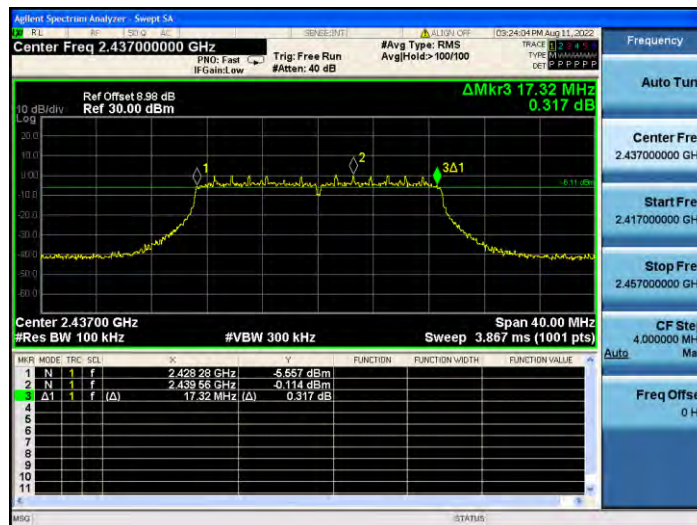
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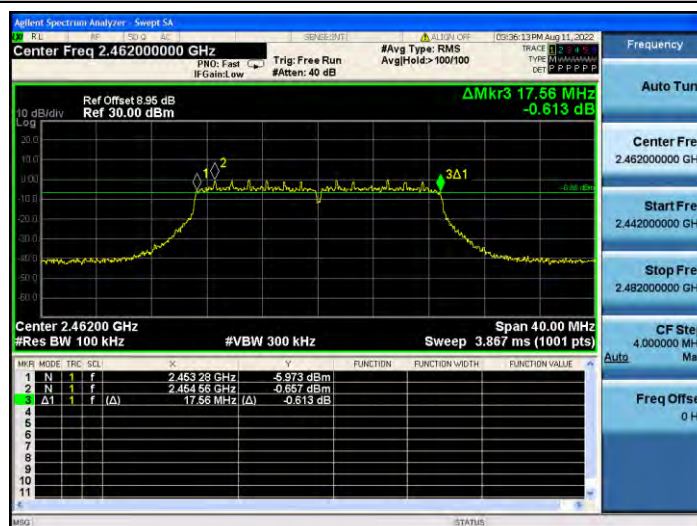
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11N20MIMO_Ant1_2462



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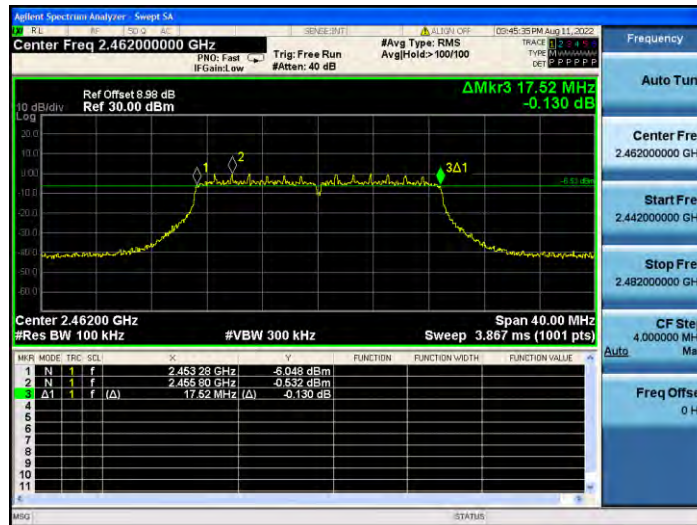


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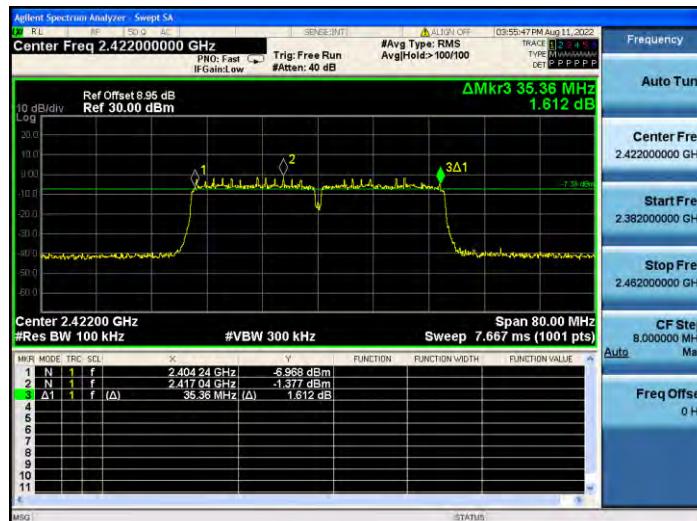
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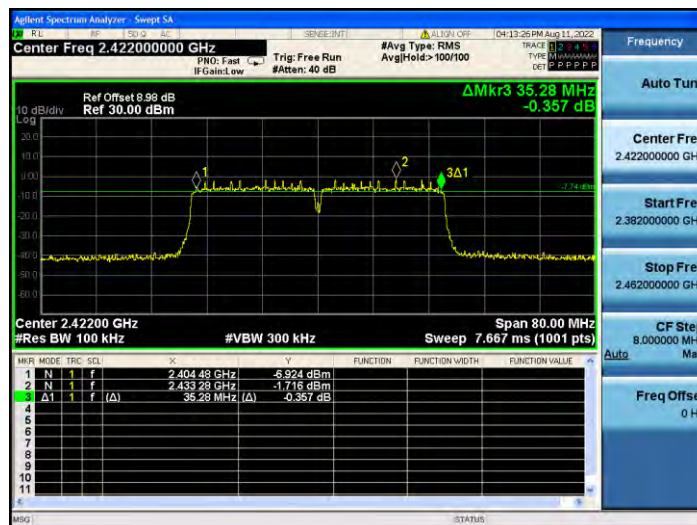
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11N40MIMO_Ant2_2422



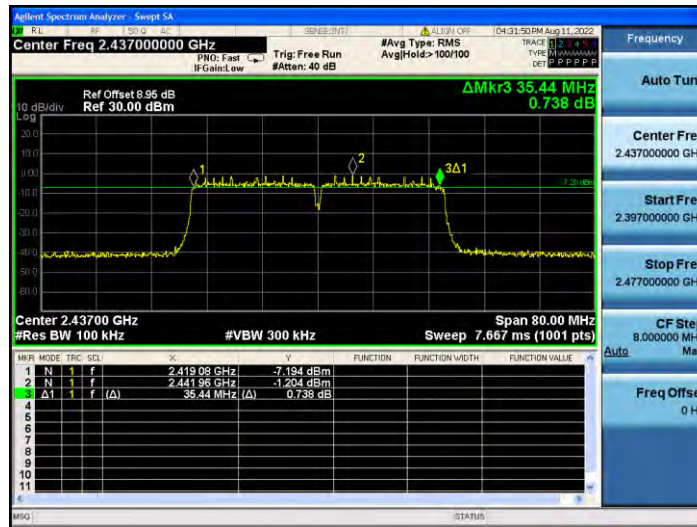
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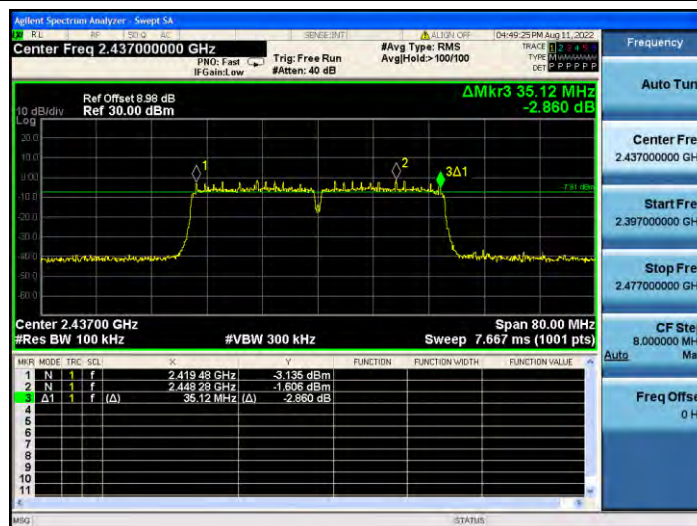
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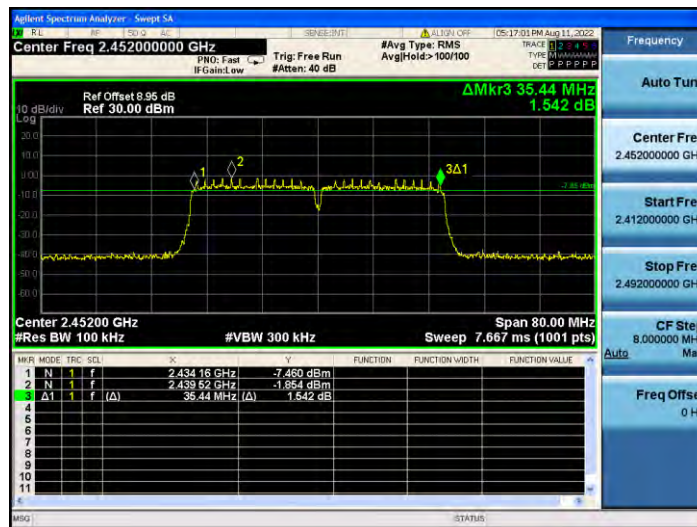
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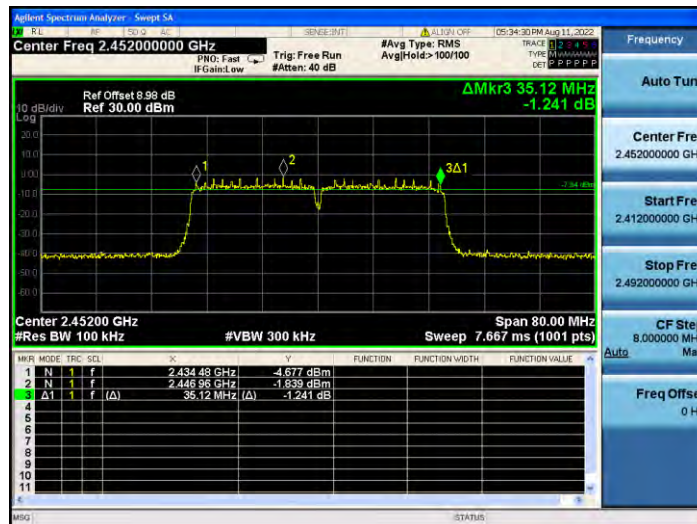
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.000	2404.534	2419.534	---	---
	Ant2	2412	15.010	2404.522	2419.532	---	---
	Ant1	2437	15.011	2429.537	2444.548	---	---
	Ant2	2437	15.008	2429.540	2444.548	---	---
	Ant1	2462	15.007	2454.529	2469.536	---	---
	Ant2	2462	15.021	2454.505	2469.526	---	---
11G	Ant1	2412	17.123	2403.487	2420.610	---	---
	Ant2	2412	17.139	2403.547	2420.686	---	---
	Ant1	2437	17.024	2428.581	2445.605	---	---
	Ant2	2437	17.232	2428.484	2445.716	---	---
	Ant1	2462	17.082	2453.498	2470.580	---	---
	Ant2	2462	17.092	2453.467	2470.559	---	---
11N20MIMO	Ant1	2412	17.088	2403.503	2420.591	---	---
	Ant2	2412	17.103	2403.478	2420.581	---	---
	Ant1	2437	18.103	2428.024	2446.127	---	---
	Ant2	2437	18.076	2428.028	2446.104	---	---
	Ant1	2462	18.066	2452.964	2471.030	---	---
	Ant2	2462	18.042	2452.982	2471.024	---	---
11N40MIMO	Ant1	2422	36.014	2404.011	2440.025	---	---
	Ant2	2422	35.944	2404.051	2439.995	---	---
	Ant1	2437	36.004	2419.018	2455.022	---	---
	Ant2	2437	35.965	2419.064	2455.029	---	---
	Ant1	2452	36.006	2433.999	2470.005	---	---
	Ant2	2452	35.964	2434.023	2469.987	---	---



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Test Graphs

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11B_Ant2_2412



11B_Ant1_2437



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11B_Ant1_2462



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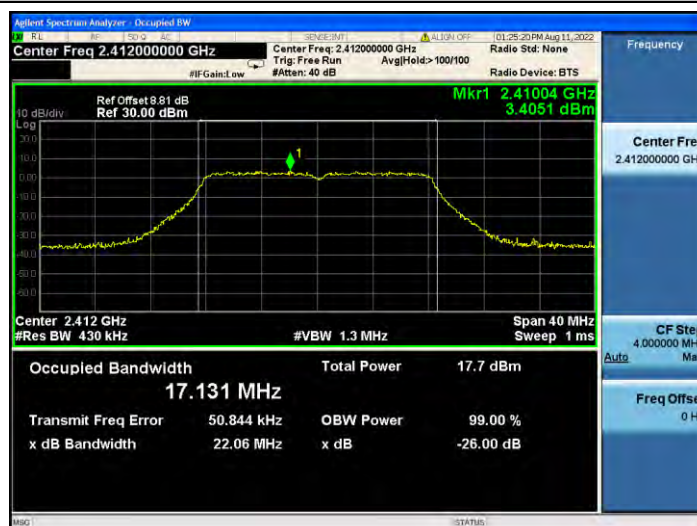
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11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412

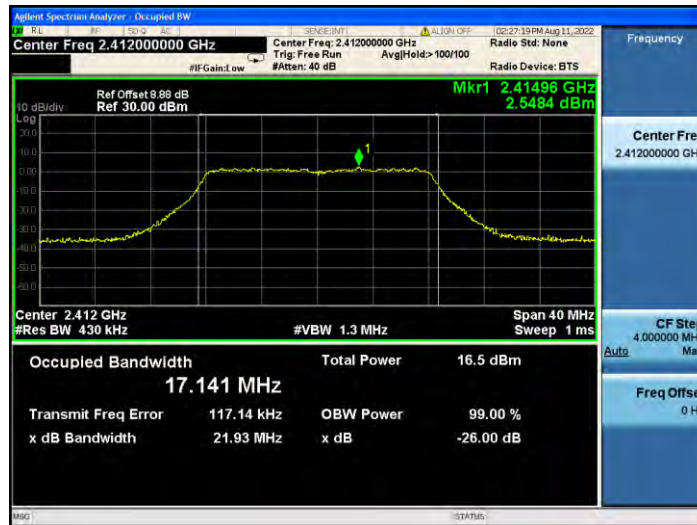


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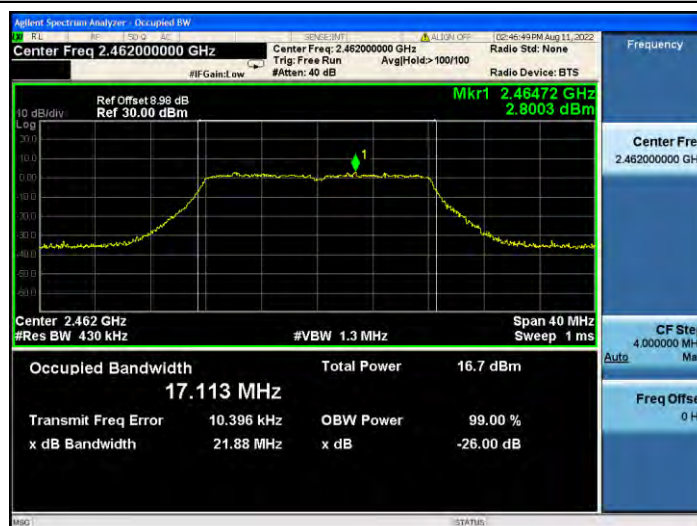
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11G_Ant2_2462



11N20MIMO_Ant1_2412

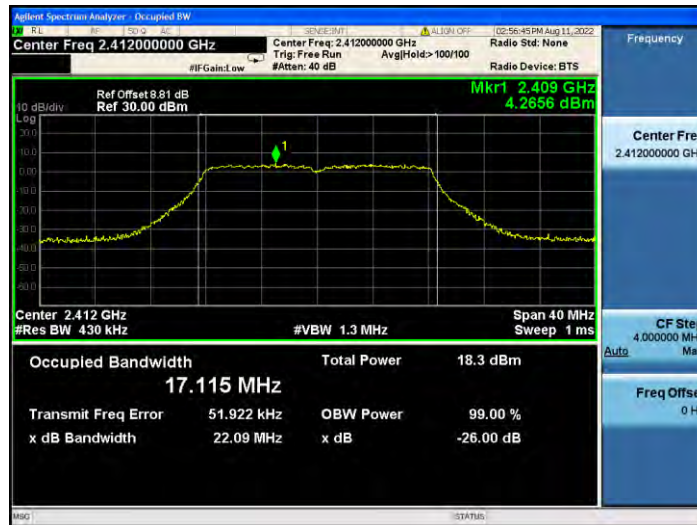


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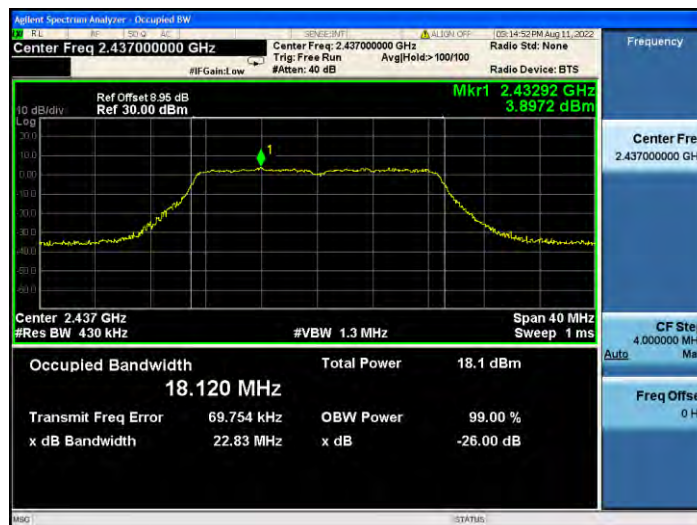
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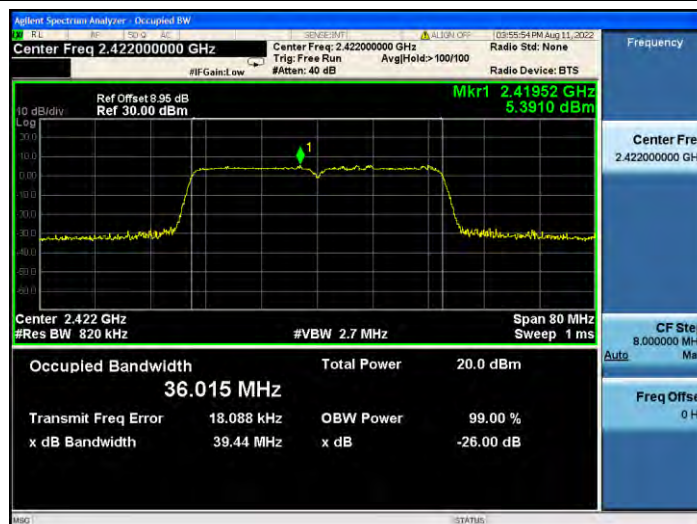
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11N40MIMO_An1_2422



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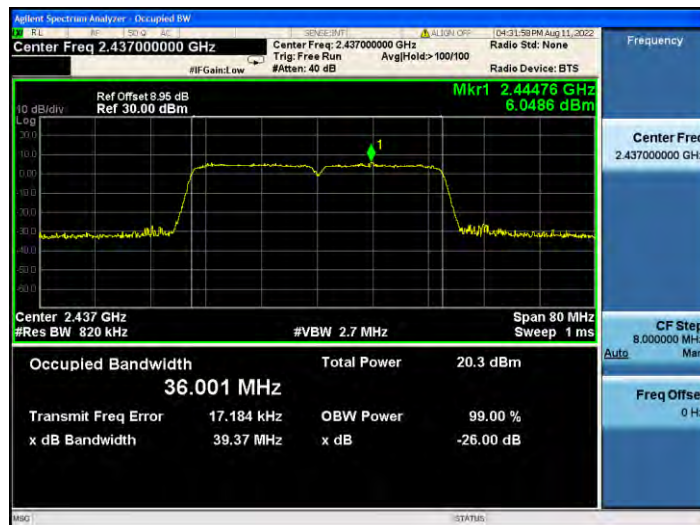
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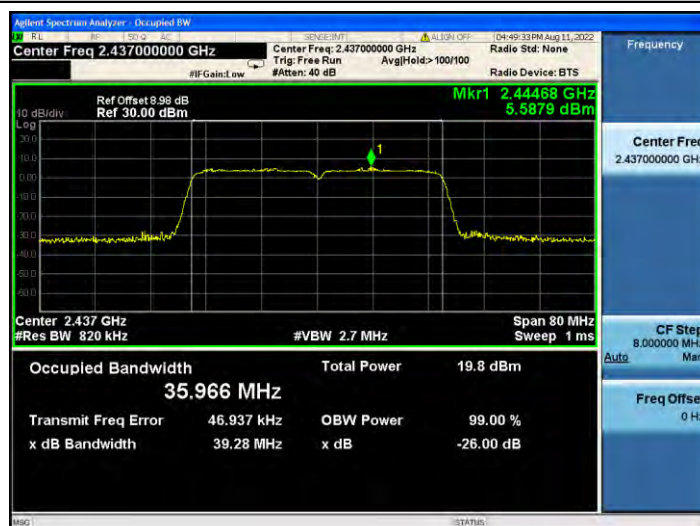
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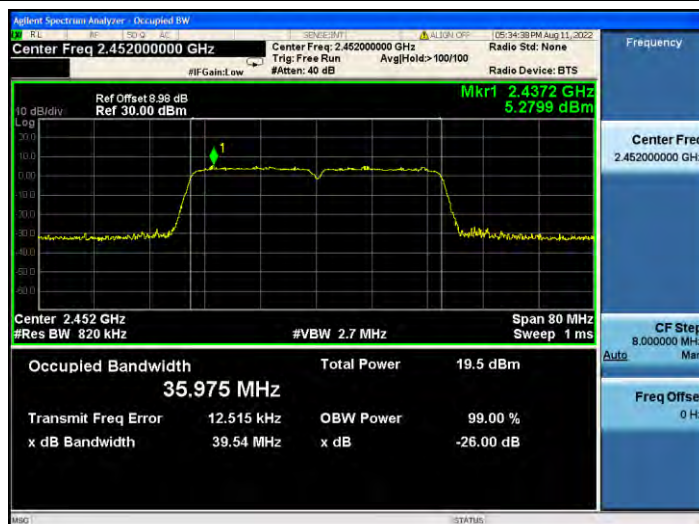
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.94	≤30.00	PASS
	Ant2	2412	15.01	≤30.00	PASS
	Ant1	2437	14.74	≤30.00	PASS
	Ant2	2437	14.55	≤30.00	PASS
	Ant1	2462	14.10	≤30.00	PASS
	Ant2	2462	14.02	≤30.00	PASS
11G	Ant1	2412	10.23	≤30.00	PASS
	Ant2	2412	9.08	≤30.00	PASS
	Ant1	2437	11.49	≤30.00	PASS
	Ant2	2437	10.59	≤30.00	PASS
	Ant1	2462	9.67	≤30.00	PASS
	Ant2	2462	9.54	≤30.00	PASS
11N20MIMO	Ant1	2412	10.84	≤30.00	PASS
	Ant2	2412	11.89	≤30.00	PASS
	total	2412	14.41	≤28.59	PASS
	Ant1	2437	10.57	≤30.00	PASS
	Ant2	2437	10.43	≤30.00	PASS
	total	2437	13.51	≤28.59	PASS
	Ant1	2462	10.02	≤30.00	PASS
	Ant2	2462	10.24	≤30.00	PASS
	total	2462	13.14	≤28.59	PASS
11N40MIMO	Ant1	2422	9.29	≤30.00	PASS
	Ant2	2422	9.42	≤30.00	PASS
	total	2422	12.37	≤28.59	PASS
	Ant1	2437	9.75	≤30.00	PASS
	Ant2	2437	9.69	≤30.00	PASS
	total	2437	12.73	≤28.59	PASS
	Ant1	2452	9.09	≤30.00	PASS
	Ant2	2452	8.85	≤30.00	PASS
	total	2452	11.98	≤28.59	PASS

Note: Limit (dBm)= 30dBm - (Directional gain - 6), when directional gain exceed 6dBi.



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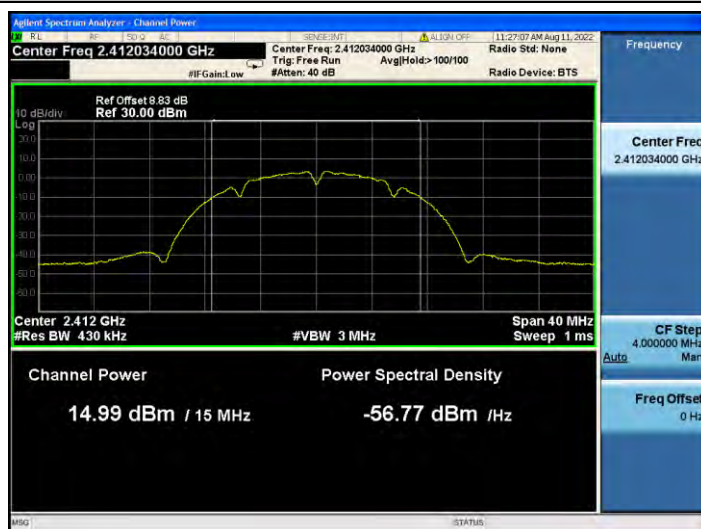
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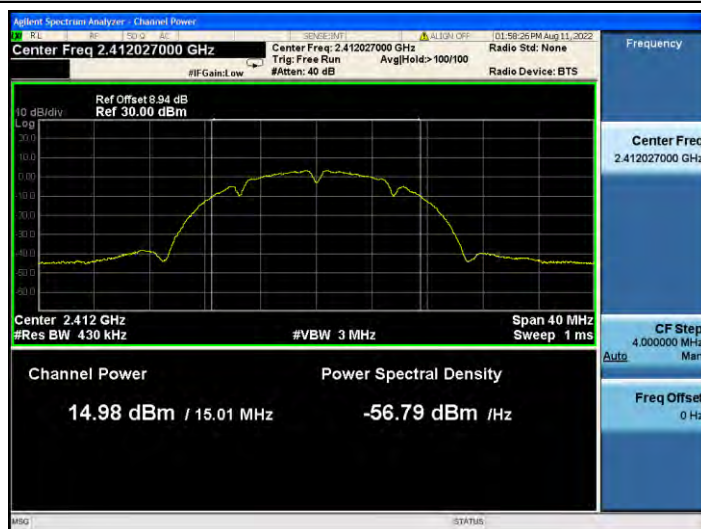
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Test Graphs

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11B_Ant1_2437



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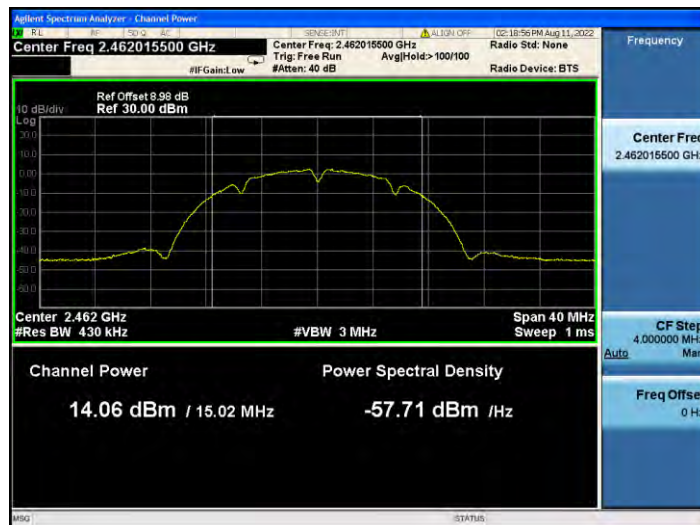
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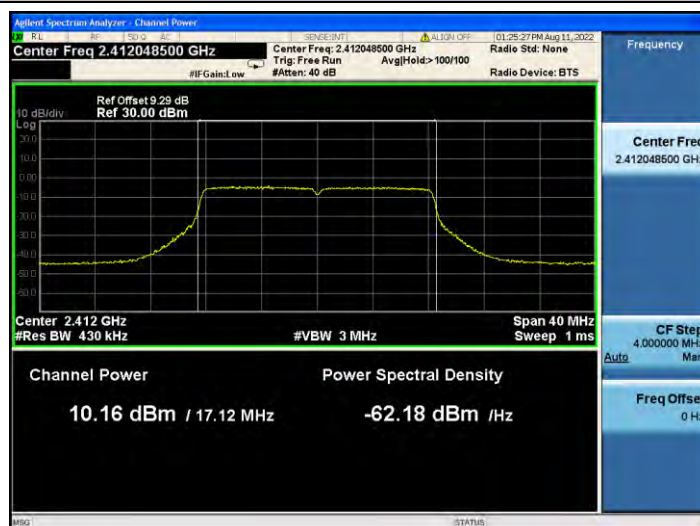
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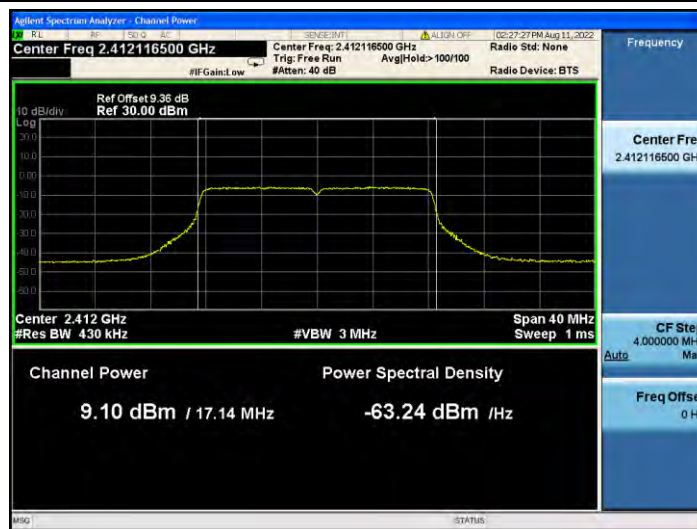
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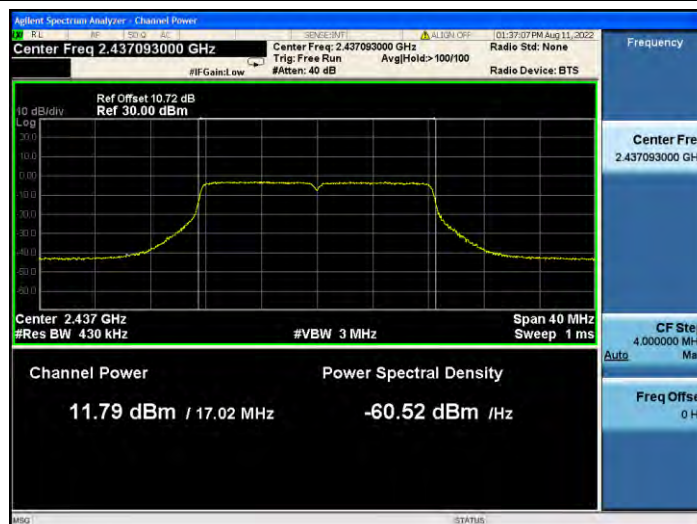
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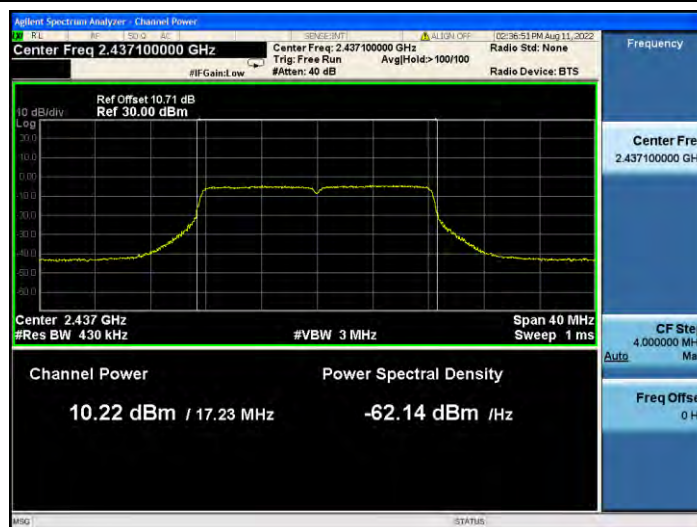
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11G_Ant1_2437



11G_Ant2_2437



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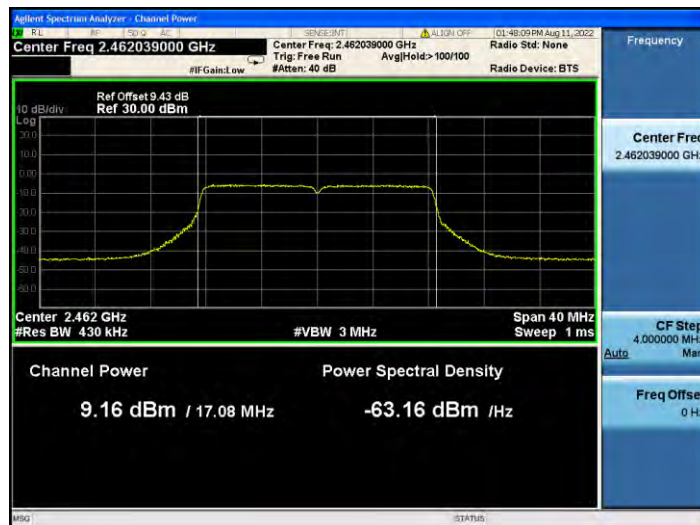
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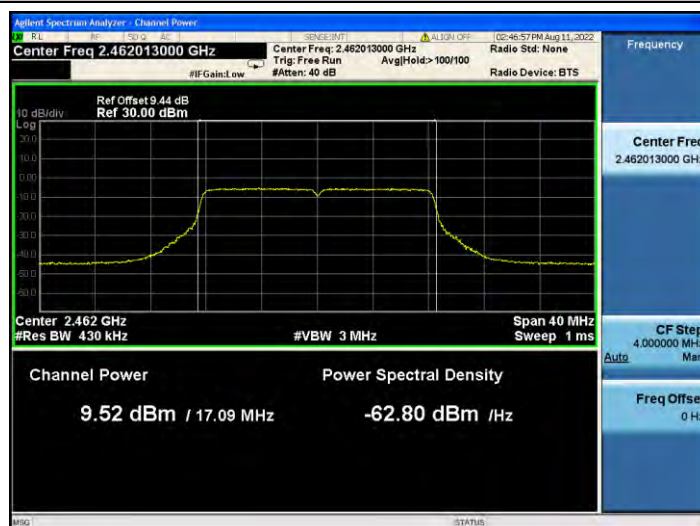
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11G_Ant2_2462



11N20MIMO_Ant1_2412



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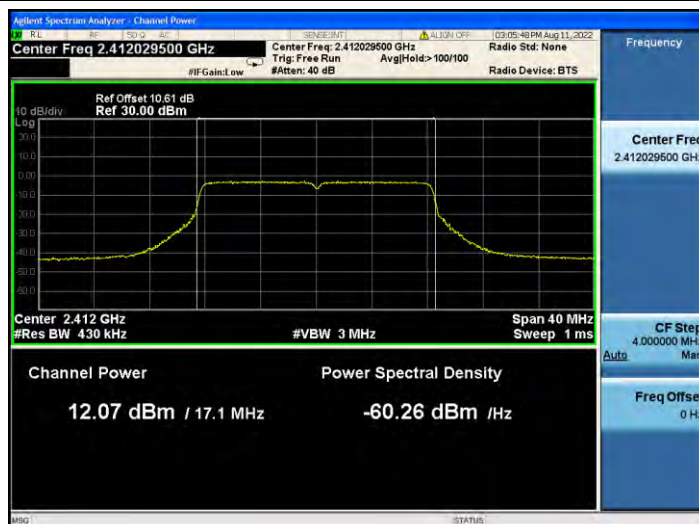
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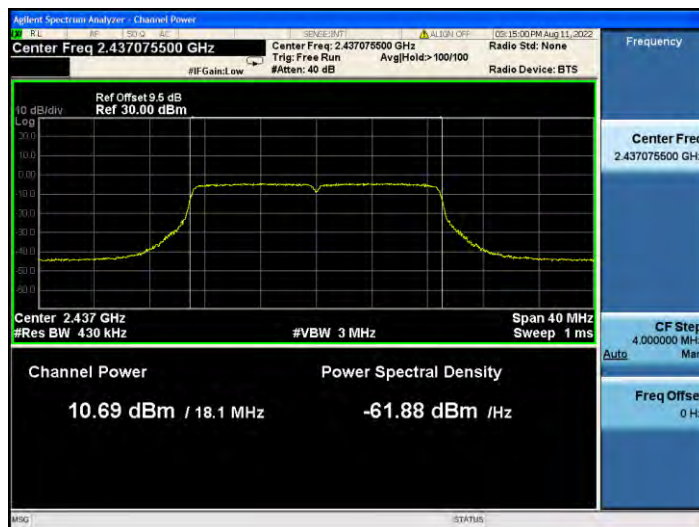
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11N20MIMO_Ant1_2437



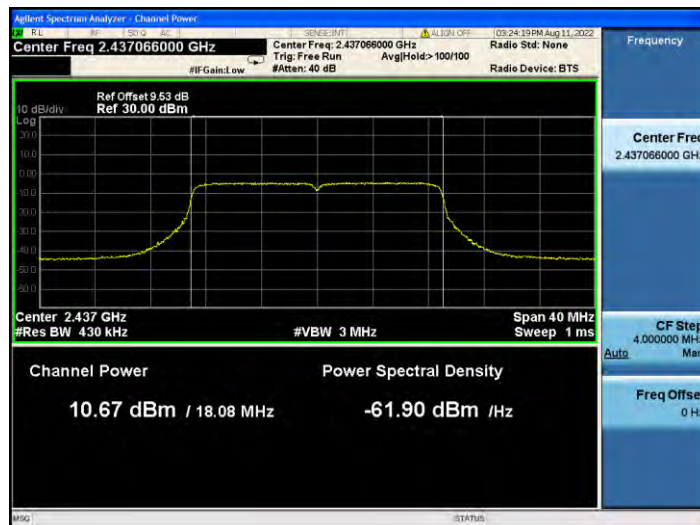
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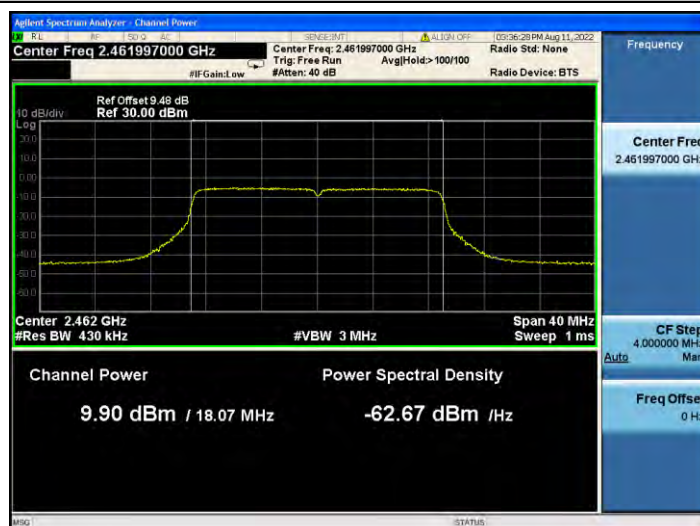
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11N20MIMO_Ant1_2462



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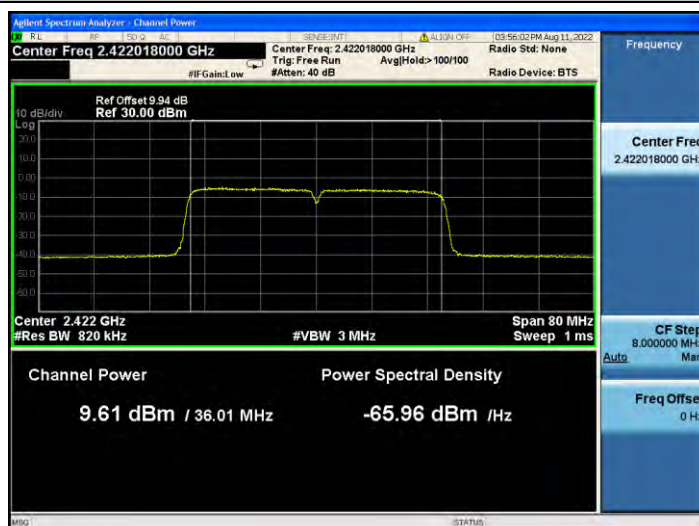
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11N40MIMO Ant1 2422



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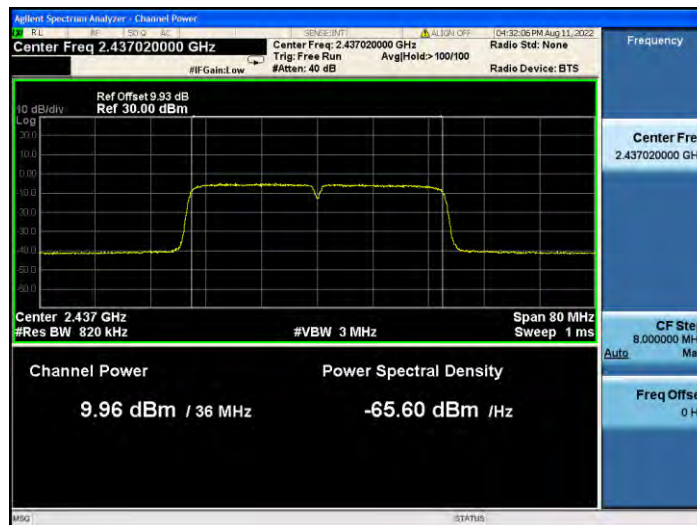


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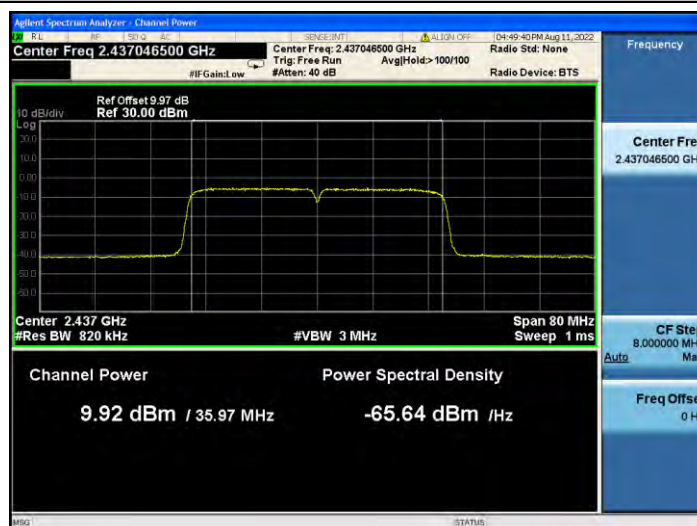
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11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452

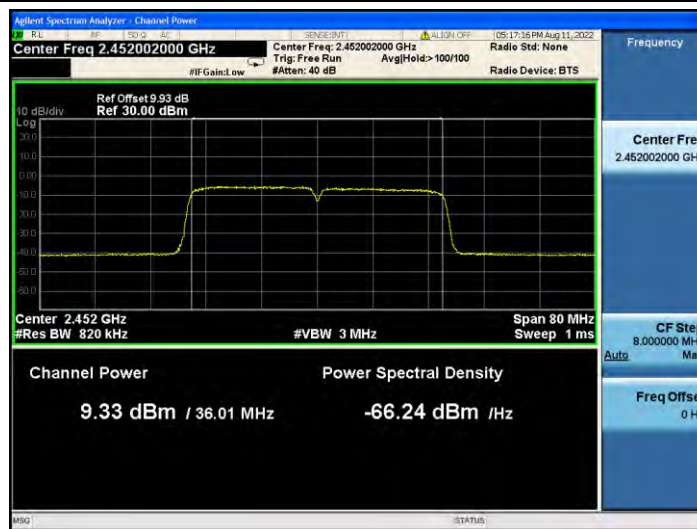


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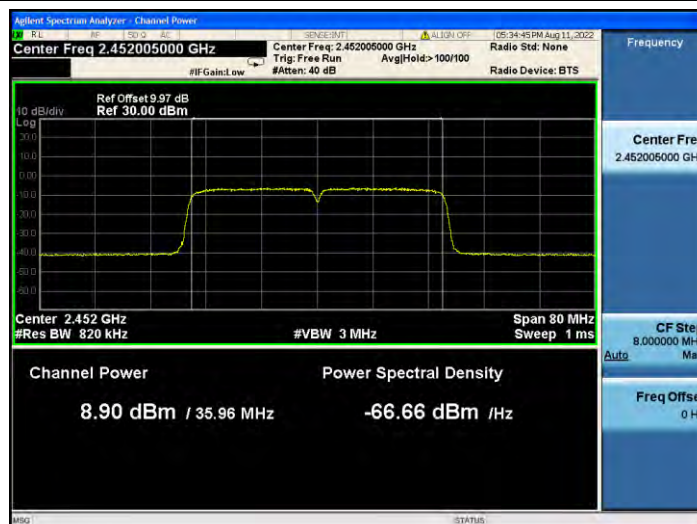
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.98	≤8.00	PASS
	Ant2	2412	-16.95	≤8.00	PASS
	Ant1	2437	-17.45	≤8.00	PASS
	Ant2	2437	-17.63	≤8.00	PASS
	Ant1	2462	-18.01	≤8.00	PASS
	Ant2	2462	-17.78	≤8.00	PASS
11G	Ant1	2412	-20.6	≤8.00	PASS
	Ant2	2412	-23.51	≤8.00	PASS
	Ant1	2437	-19.07	≤8.00	PASS
	Ant2	2437	-19.22	≤8.00	PASS
	Ant1	2462	-22.07	≤8.00	PASS
	Ant2	2462	-22.21	≤8.00	PASS
11N20MIMO	Ant1	2412	-20.32	≤8.00	PASS
	Ant2	2412	-15.84	≤8.00	PASS
	total	2412	-14.52	≤6.59	PASS
	Ant1	2437	-21.49	≤8.00	PASS
	Ant2	2437	-17.01	≤8.00	PASS
	total	2437	-15.69	≤6.59	PASS
	Ant1	2462	-20.9	≤8.00	PASS
	Ant2	2462	-17.6	≤8.00	PASS
	total	2462	-15.93	≤6.59	PASS
11N40MIMO	Ant1	2422	-24.93	≤8.00	PASS
	Ant2	2422	-23.31	≤8.00	PASS
	total	2422	-21.03	≤6.59	PASS
	Ant1	2437	-23.77	≤8.00	PASS
	Ant2	2437	-22.98	≤8.00	PASS
	total	2437	-20.35	≤6.59	PASS
	Ant1	2452	-23.73	≤8.00	PASS
	Ant2	2452	-23.87	≤8.00	PASS
	total	2452	-20.79	≤6.59	PASS

Note: Limit (dBm/3KHz)= 8dBm/3KHz - (Directional gain - 6), when directional gain exceed 6dBi.



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Test Graphs

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11B_Ant2_2412



11B_Ant1_2437



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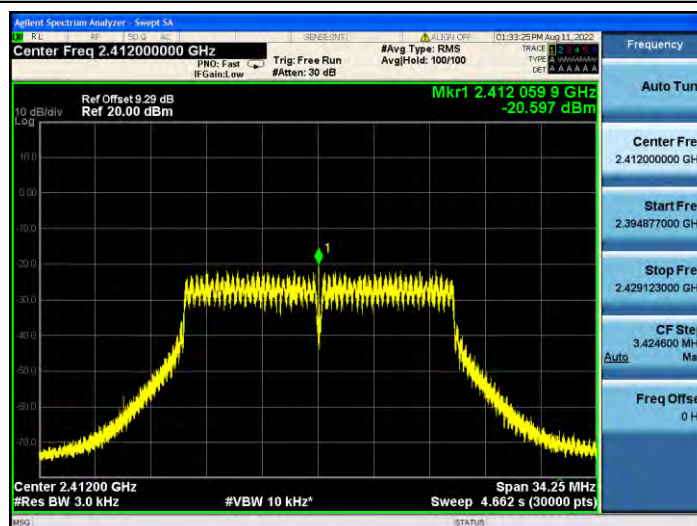
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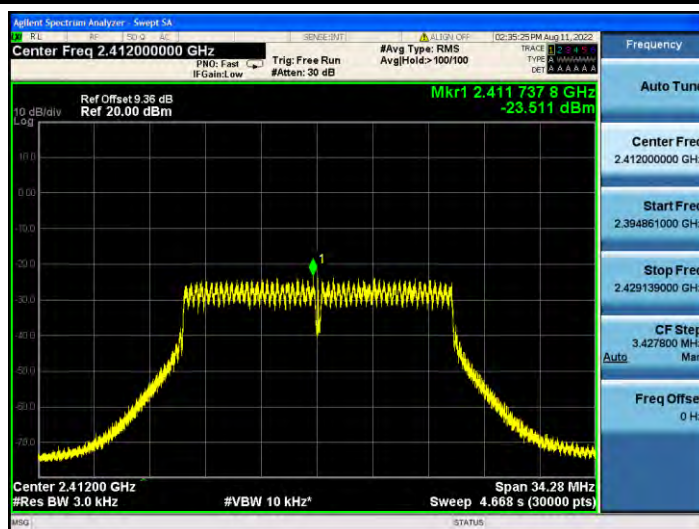


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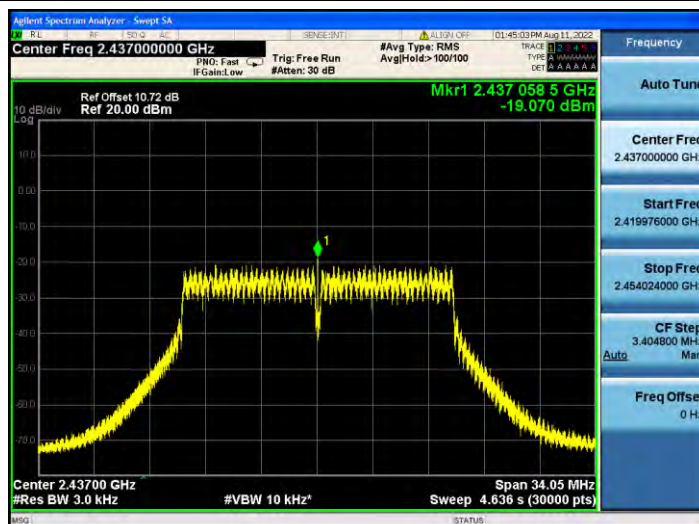
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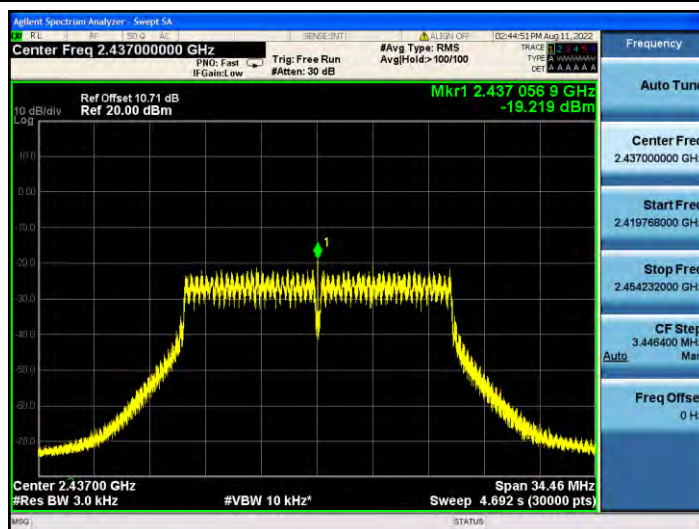
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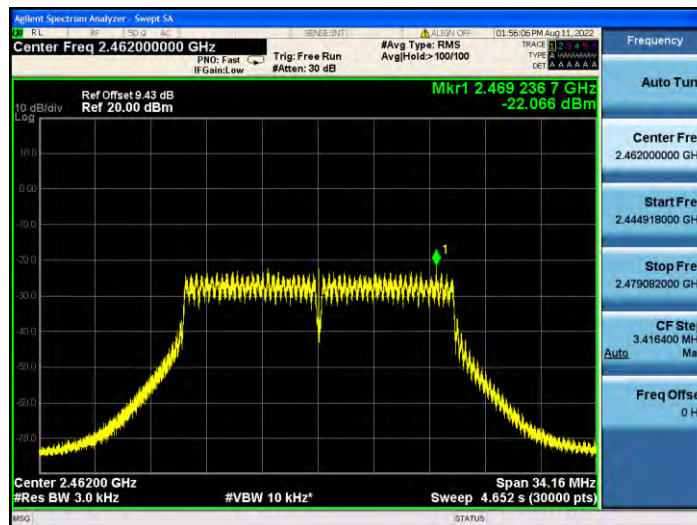
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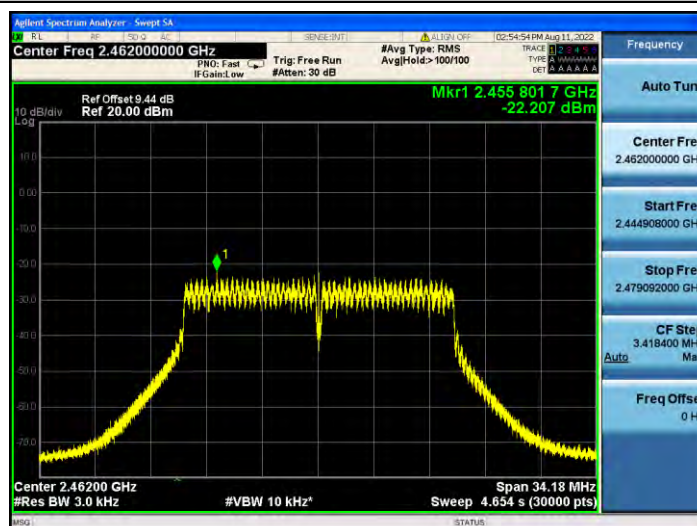
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11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412

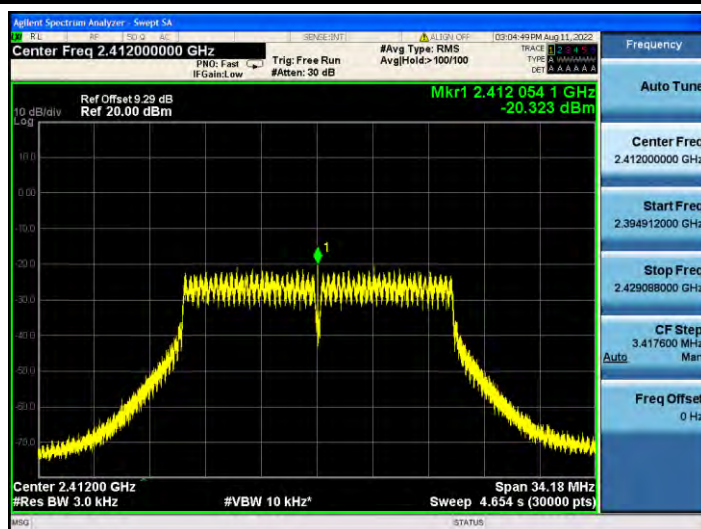


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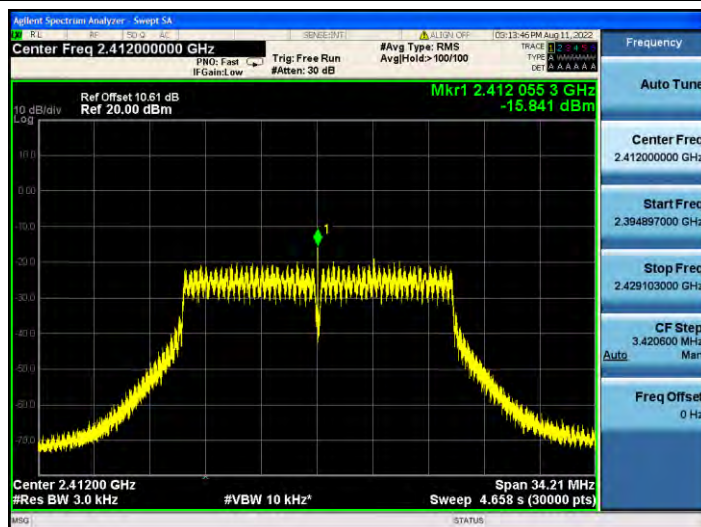
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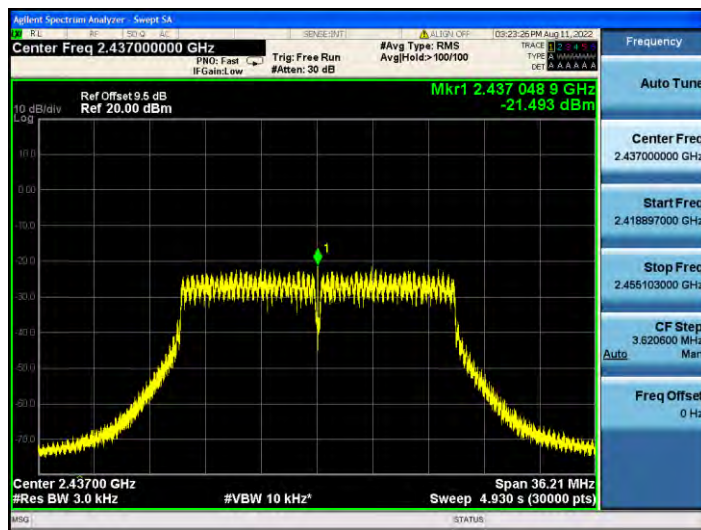
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11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



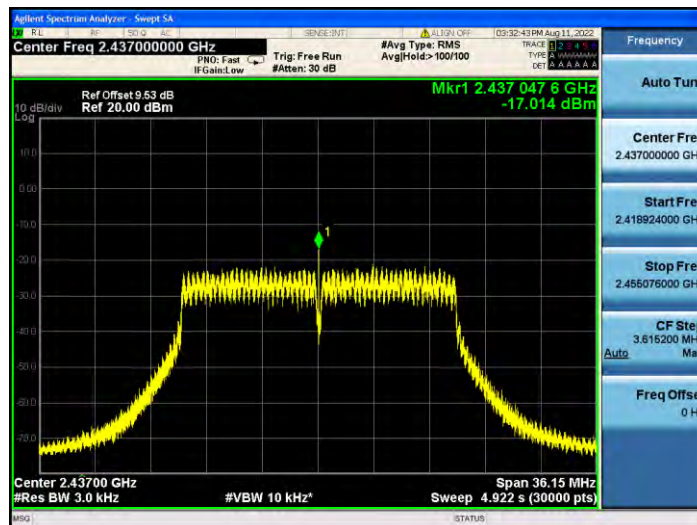
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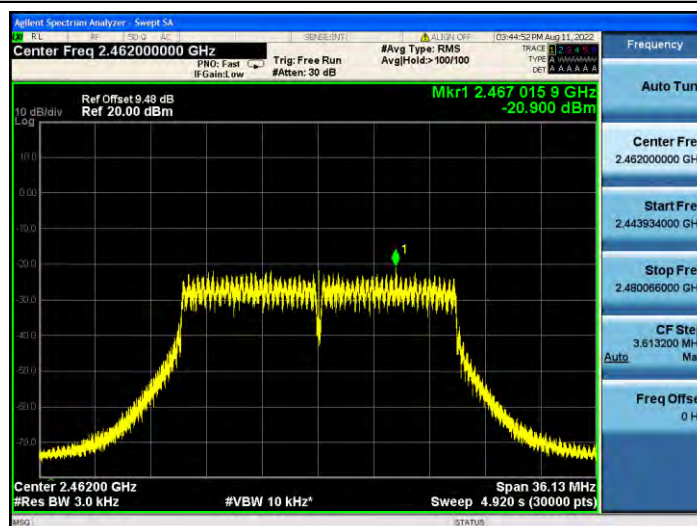
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11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462

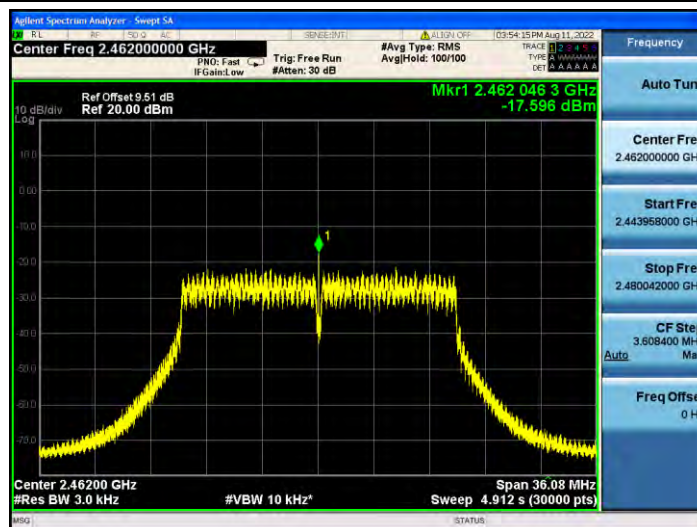


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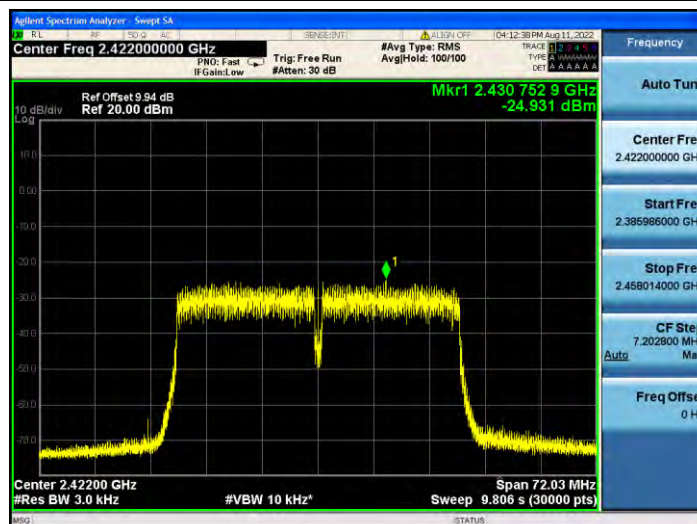
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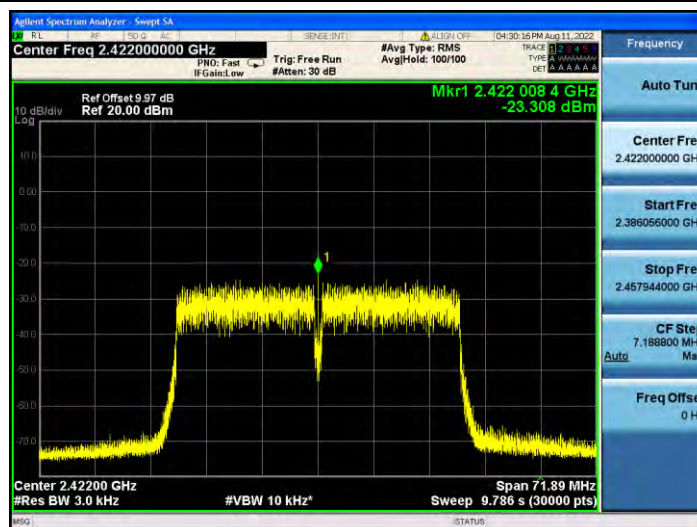
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11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



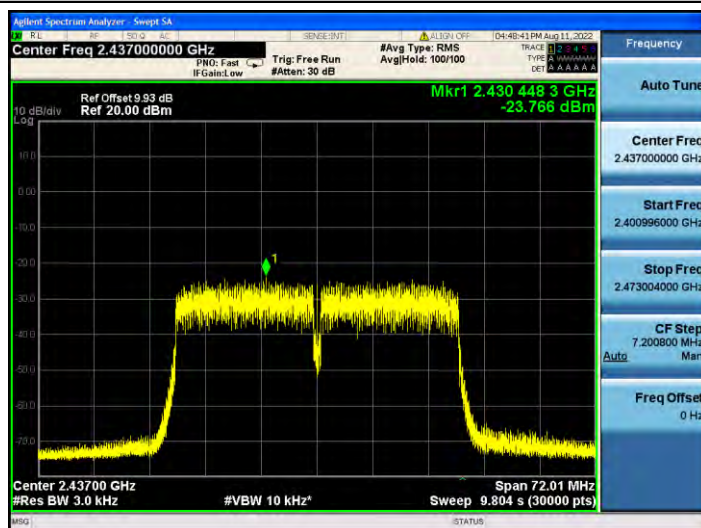
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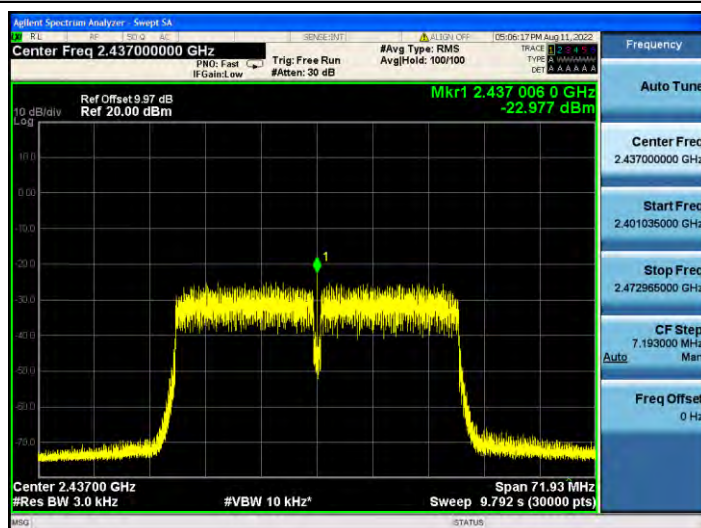
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11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



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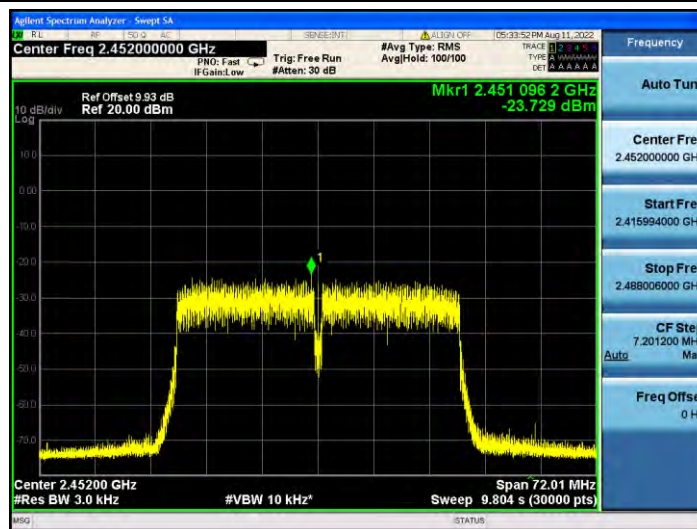
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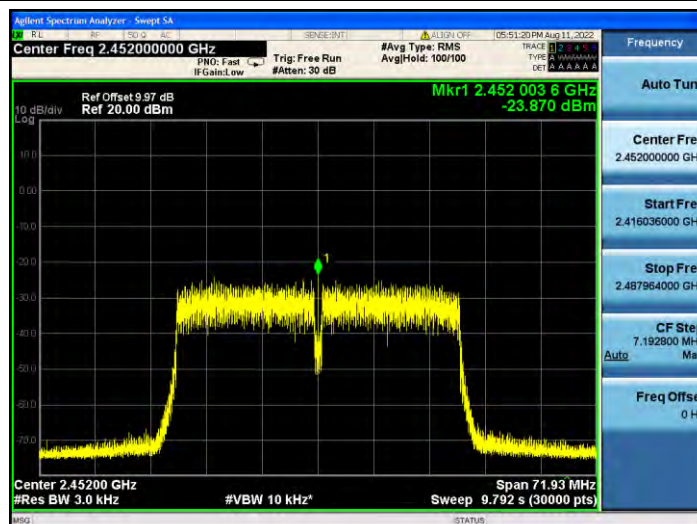
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11N40MIMO_Ant2_2452



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict	
11B	Ant1	Low	2412	5.98	-32.34	≤-24.02	PASS
	Ant2	Low	2412	6.39	-36.69	≤-23.61	PASS
	Ant1	High	2462	4.99	-48.67	≤-25.01	PASS
	Ant2	High	2462	4.94	-47.53	≤-25.06	PASS
11G	Ant1	Low	2412	-0.81	-36.67	≤-30.81	PASS
	Ant2	Low	2412	-1.60	-39.76	≤-31.6	PASS
	Ant1	High	2462	-1.16	-48.59	≤-31.16	PASS
	Ant2	High	2462	-1.70	-48.85	≤-31.7	PASS
11N20MIMO	Ant1	Low	2412	-0.09	-35.78	≤-30.09	PASS
	Ant2	Low	2412	-0.36	-35.79	≤-30.36	PASS
	Ant1	High	2462	-0.58	-48.86	≤-30.58	PASS
	Ant2	High	2462	-0.34	-48.02	≤-30.34	PASS
11N40MIMO	Ant1	Low	2422	-1.13	-42.74	≤-31.13	PASS
	Ant2	Low	2422	-1.80	-41.82	≤-31.8	PASS
	Ant1	High	2452	-1.11	-45.65	≤-31.11	PASS
	Ant2	High	2452	-2.03	-46.79	≤-32.03	PASS



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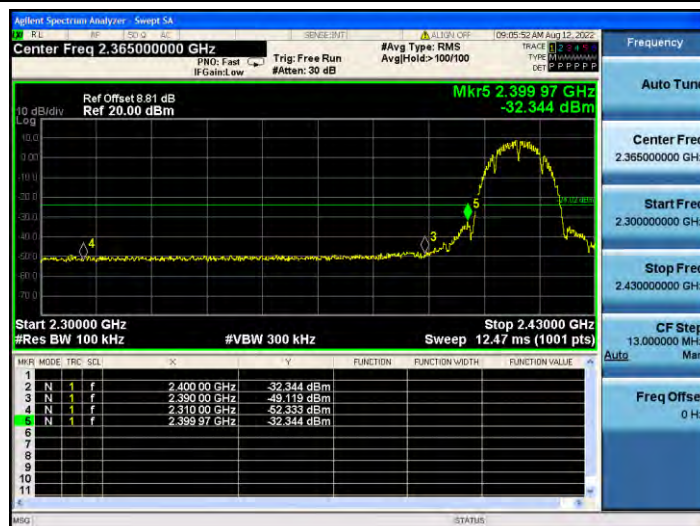
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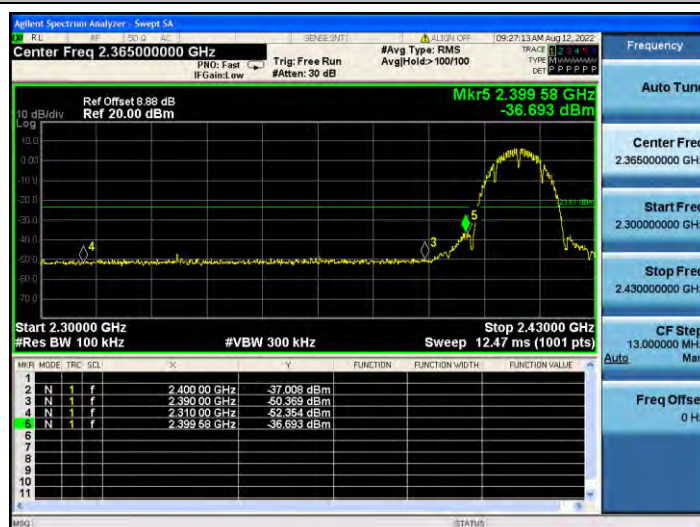
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Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462

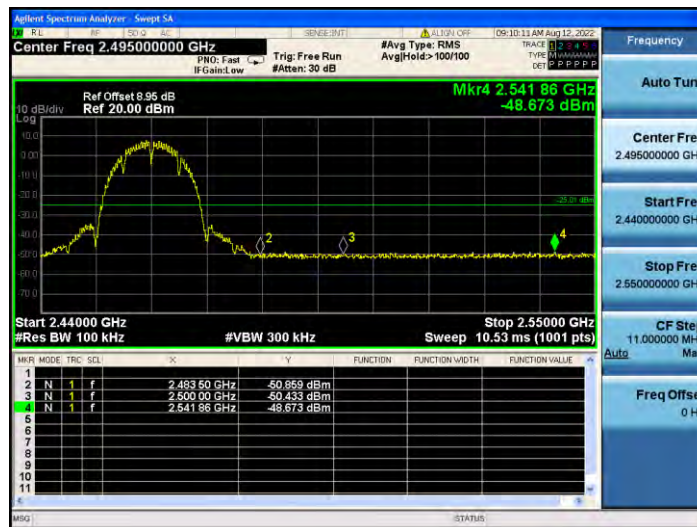


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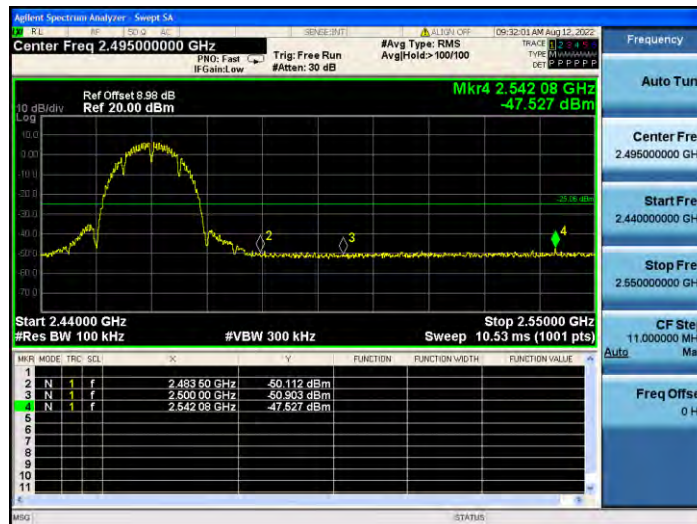
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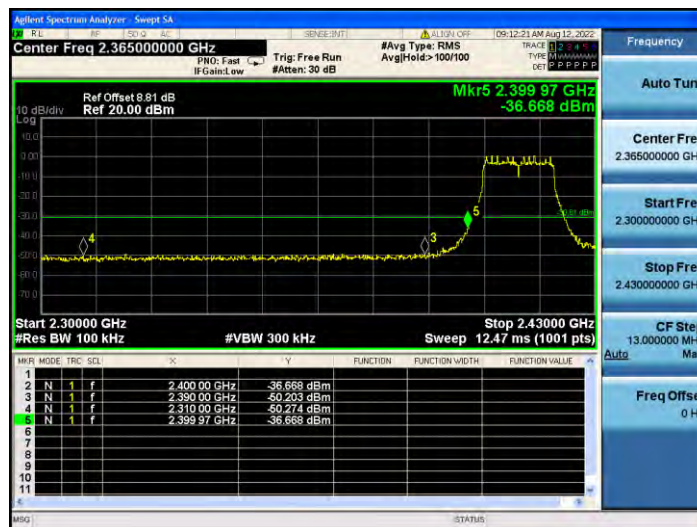
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11B_Ant2_High_2462



11G_Ant1_Low_2412



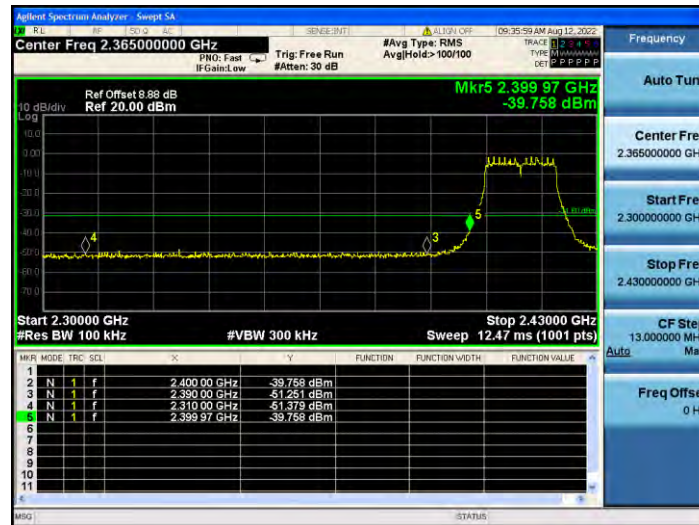
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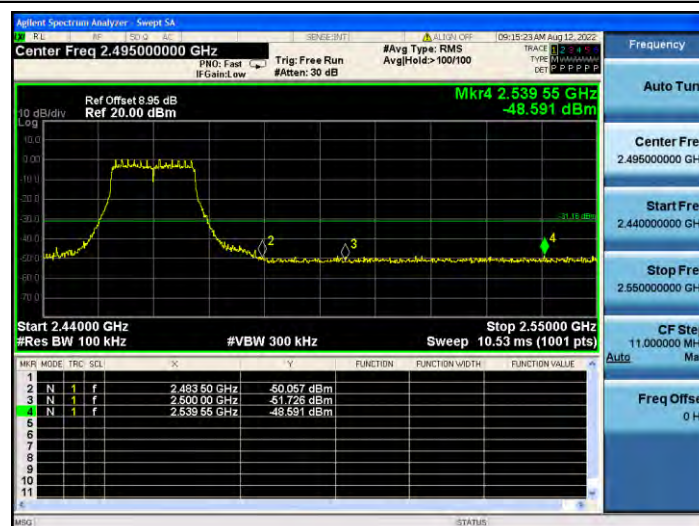
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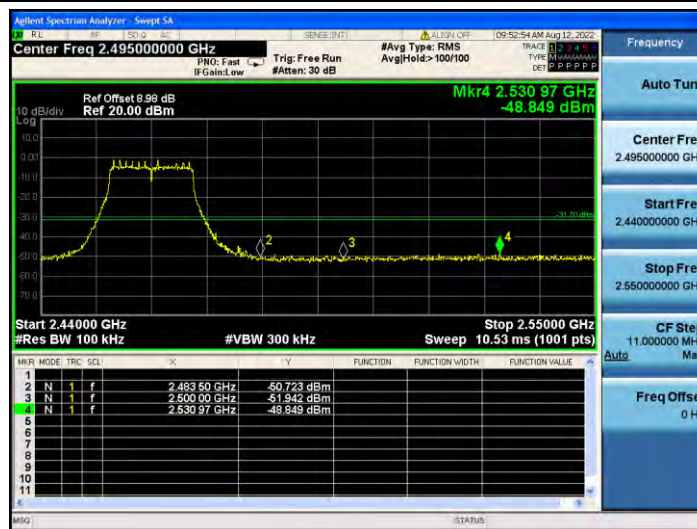


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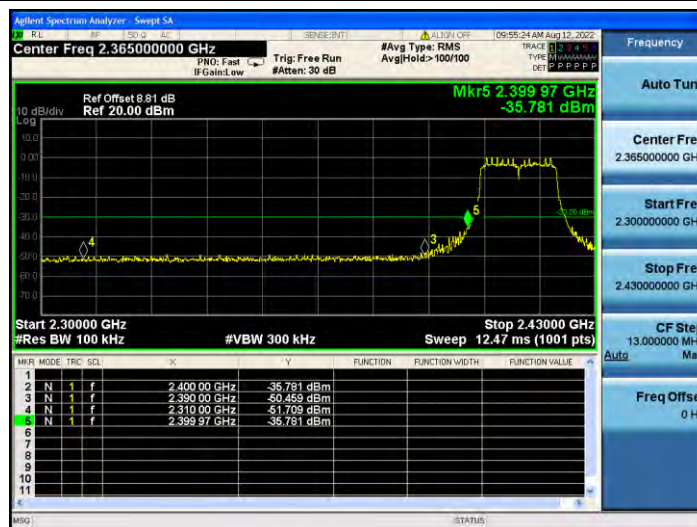
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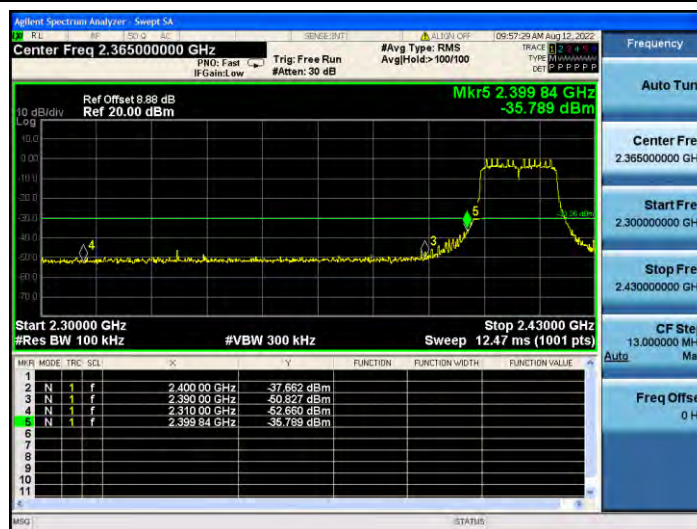
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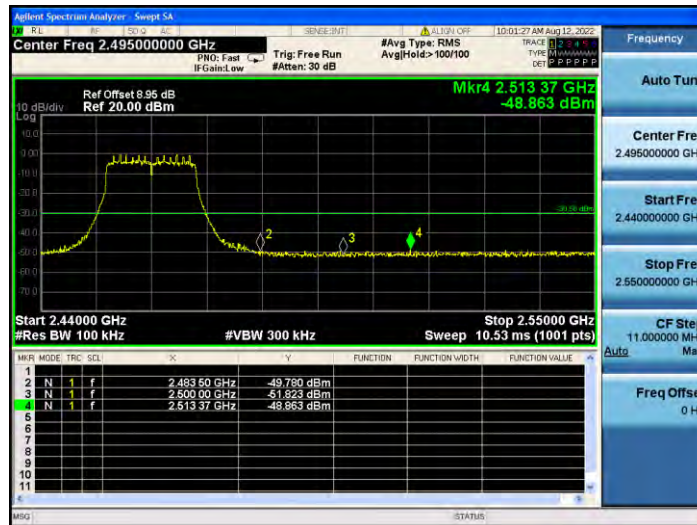
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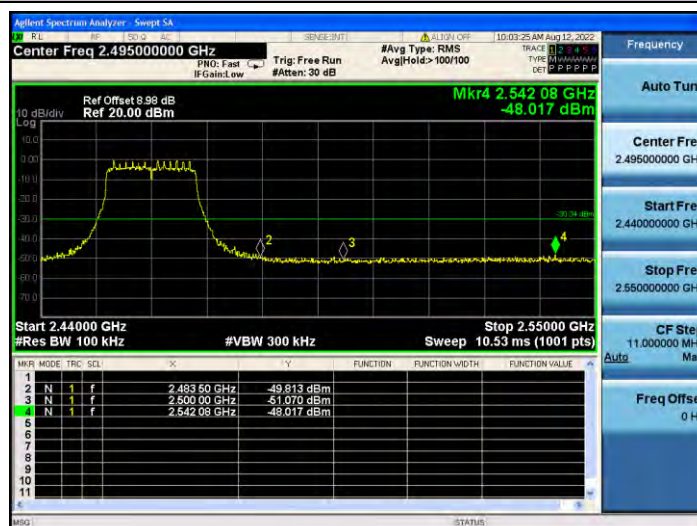
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