

10.5 Appendix E: Band edge measurements

10.5.1 Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.65	-37.61	≤ -23.35	PASS
	Ant2	Low	2412	6.80	-34.75	≤ -23.2	PASS
	Ant1	High	2462	6.98	-48.17	≤ -23.02	PASS
	Ant2	High	2462	6.53	-47.69	≤ -23.47	PASS
11G	Ant1	Low	2412	3.71	-33.28	≤ -26.3	PASS
	Ant2	Low	2412	3.94	-27.45	≤ -26.06	PASS
	Ant1	High	2462	3.97	-40.2	≤ -26.04	PASS
	Ant2	High	2462	4.20	-38.51	≤ -25.8	PASS
11N20MIMO	Ant1	Low	2412	-0.69	-38.61	≤ -30.69	PASS
	Ant2	Low	2412	-0.38	-37.23	≤ -30.38	PASS
	Ant1	High	2462	-0.27	-48.6	≤ -30.27	PASS
	Ant2	High	2462	-0.52	-47.68	≤ -30.52	PASS
11N40MIMO	Ant1	Low	2422	-7.75	-40.92	≤ -37.75	PASS
	Ant2	Low	2422	-6.02	-38.49	≤ -36.02	PASS
	Ant1	High	2452	-7.62	-49.48	≤ -37.62	PASS
	Ant2	High	2452	-6.15	-48.79	≤ -36.15	PASS



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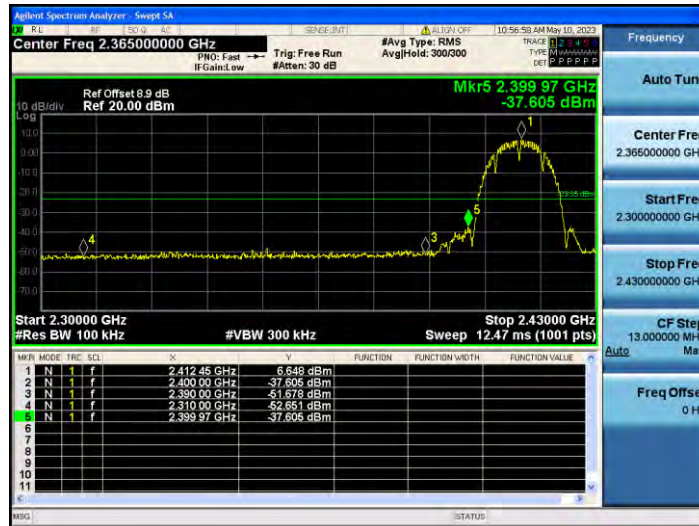
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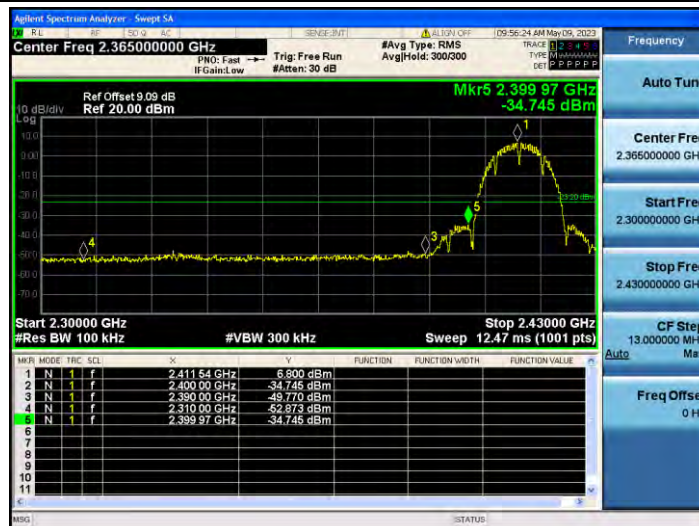
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10.5.2 Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462



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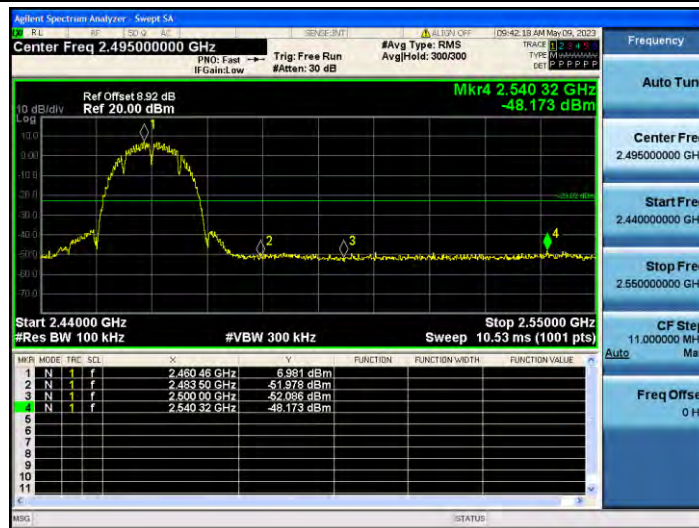
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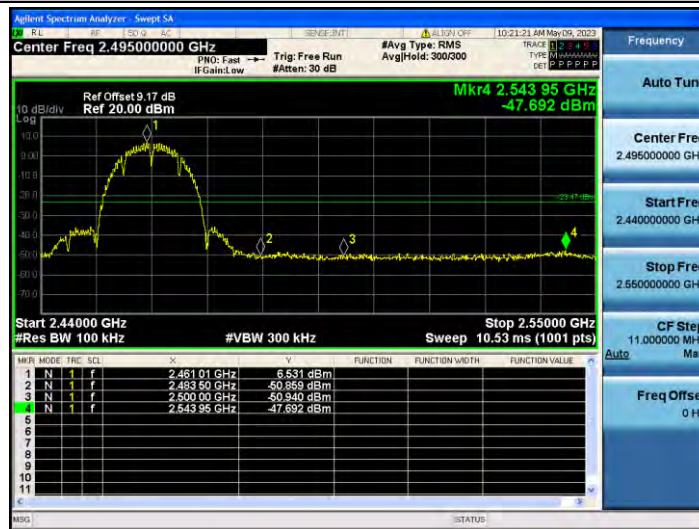
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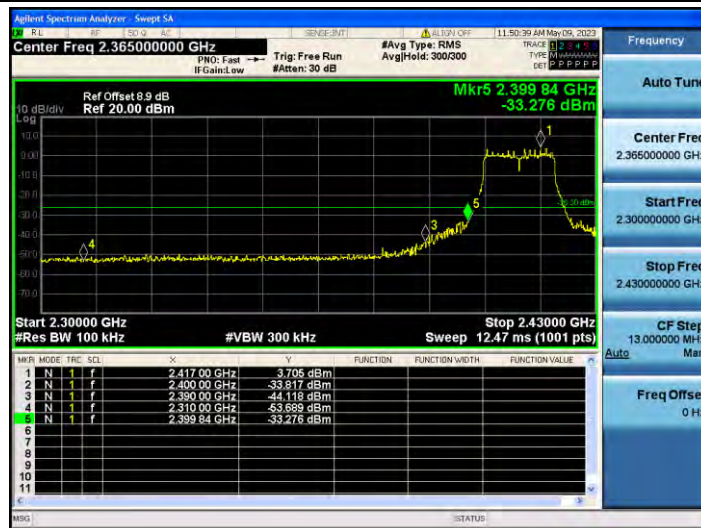


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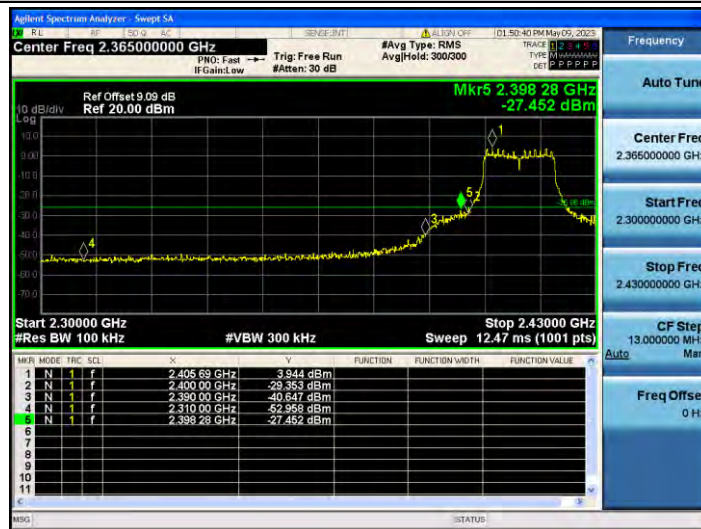


11G_Ant1_Low_2412





11G_Ant2_Low_2412



11G_Ant1_High_2462



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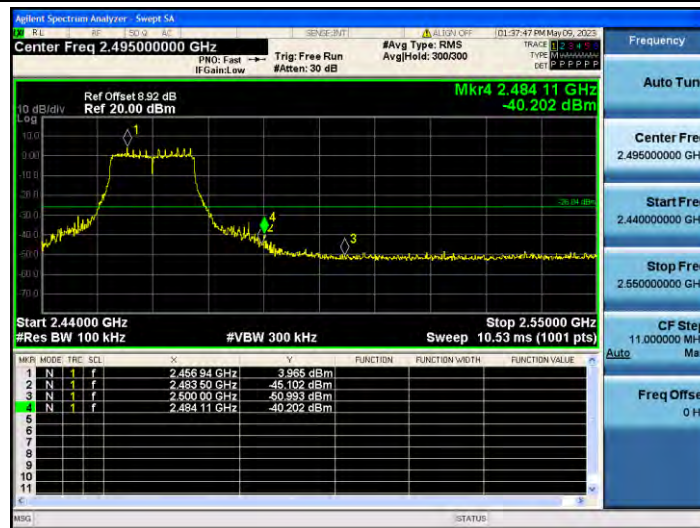
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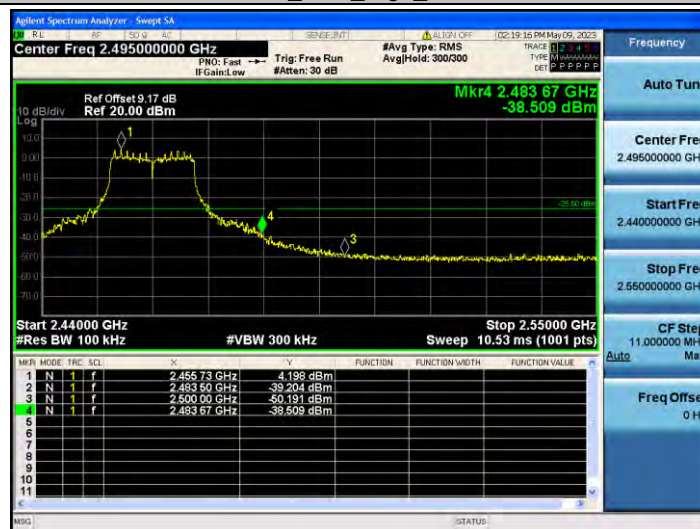
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11G_Ant2_High_2462



11N20MIMO_Ant1_Low_2412



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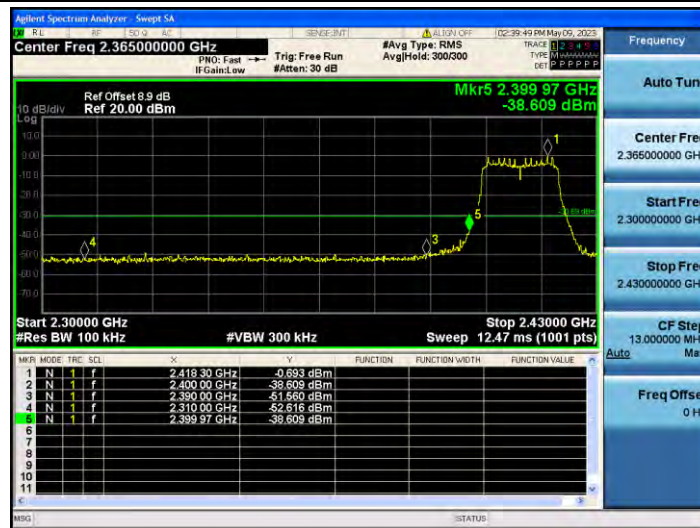
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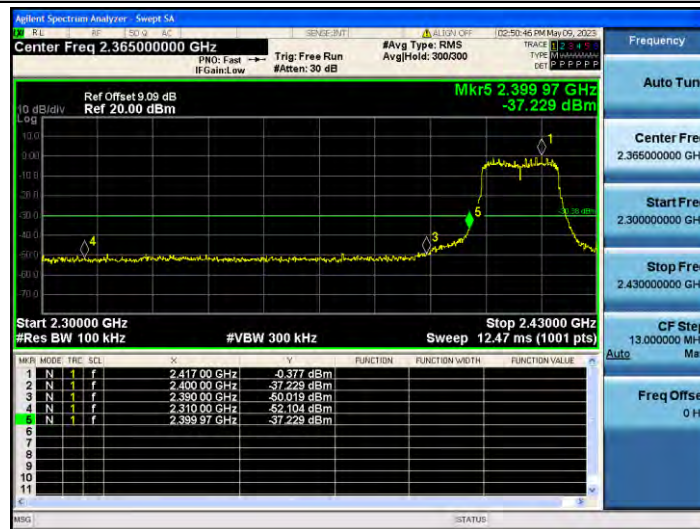
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11N20MIMO_Ant2_Low_2412



11N20MIMO_Ant1_High_2462



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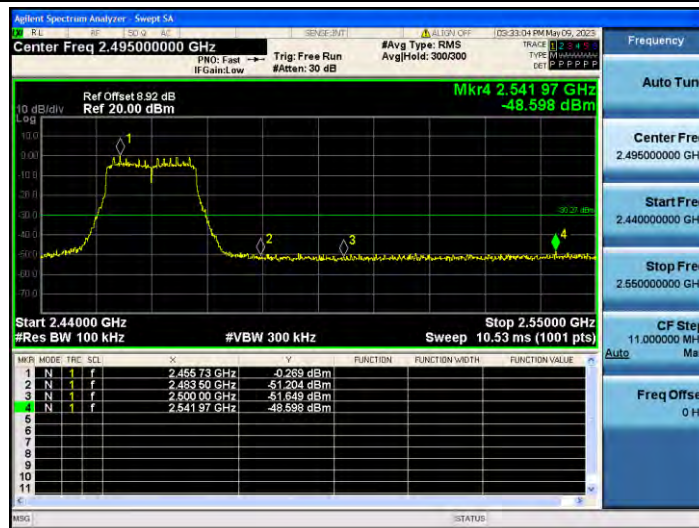
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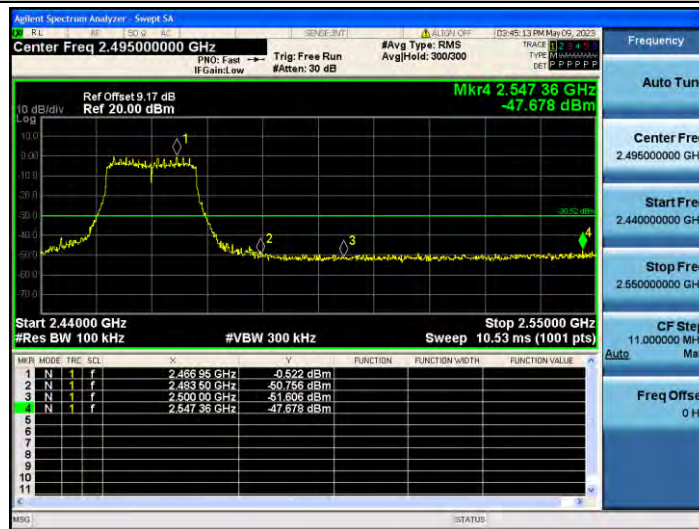
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11N20MIMO_Ant2_High_2462



11N40MIMO_Ant1_Low_2422



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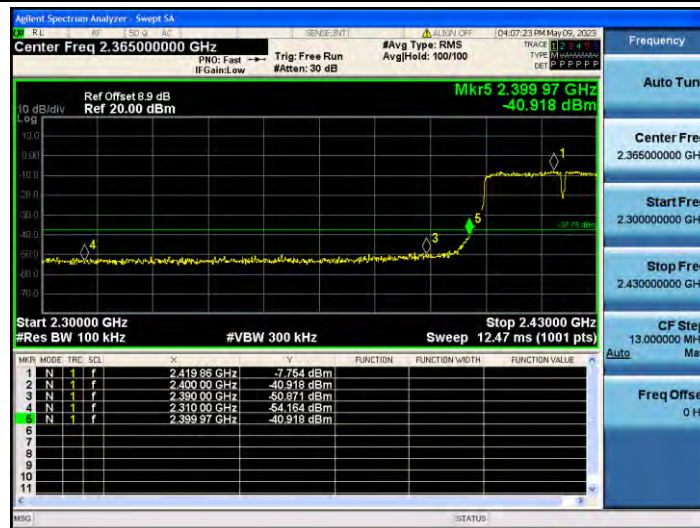
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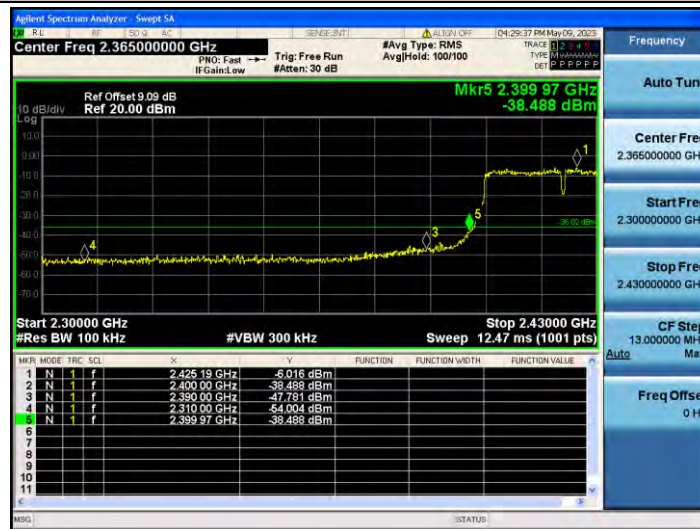
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11N40MIMO_Ant2_Low_2422



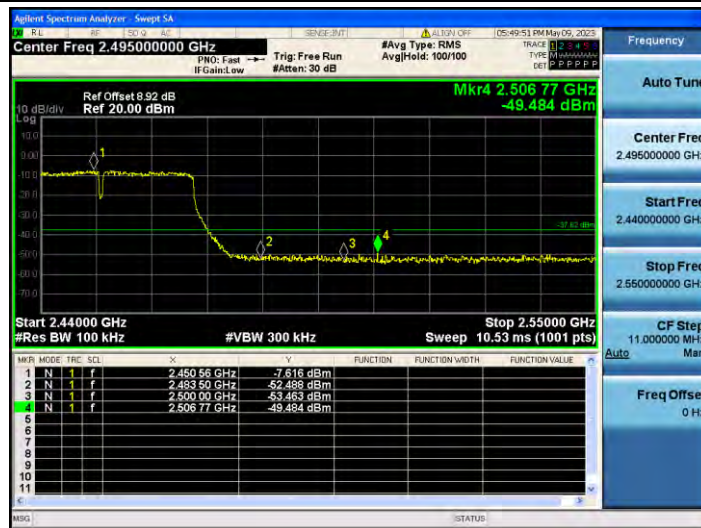
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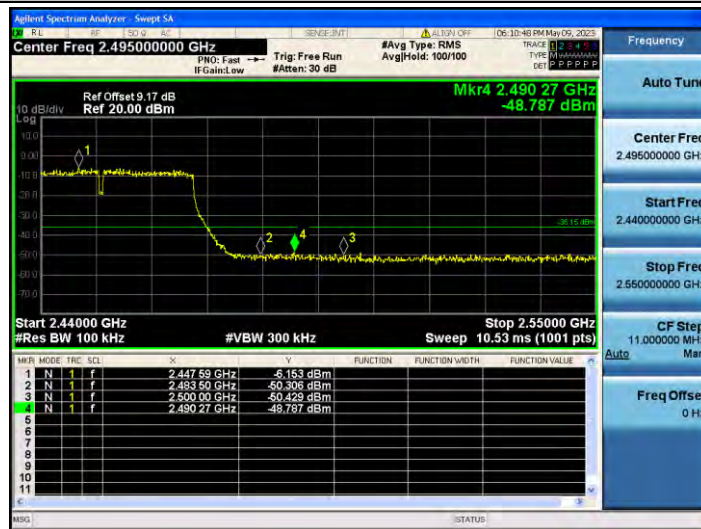
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11N40MIMO_Ant2_High_2452



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10.6 Appendix F: Conducted Spurious Emission

10.6.1 Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.21	6.21	---	PASS
			30~1000	6.21	-60.36	≤-23.79	PASS
			1000~26500	6.21	-39.16	≤-23.79	PASS
	Ant2	2412	Reference	6.36	6.36	---	PASS
			30~1000	6.36	-60.04	≤-23.64	PASS
			1000~26500	6.36	-42.83	≤-23.64	PASS
	Ant1	2437	Reference	5.86	5.86	---	PASS
			30~1000	5.86	-61.41	≤-24.14	PASS
			1000~26500	5.86	-43.15	≤-24.14	PASS
	Ant2	2437	Reference	6.15	6.15	---	PASS
			30~1000	6.15	-60.55	≤-23.85	PASS
			1000~26500	6.15	-43.49	≤-23.85	PASS
	Ant1	2462	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-60.77	≤-24.58	PASS
			1000~26500	5.42	-43.64	≤-24.58	PASS
	Ant2	2462	Reference	5.62	5.62	---	PASS
			30~1000	5.62	-60.45	≤-24.38	PASS
			1000~26500	5.62	-43.53	≤-24.38	PASS
11G	Ant1	2412	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-61.14	≤-26.25	PASS
			1000~26500	3.75	-43.26	≤-26.25	PASS
	Ant2	2412	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-61.97	≤-26.97	PASS
			1000~26500	3.03	-43.23	≤-26.97	PASS
	Ant1	2437	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-61.39	≤-29.4	PASS
			1000~26500	0.60	-41.66	≤-29.4	PASS
	Ant2	2437	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-61.96	≤-29.3	PASS
			1000~26500	0.70	-43.29	≤-29.3	PASS
	Ant1	2462	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-62.5	≤-27.07	PASS
			1000~26500	2.93	-42.41	≤-27.07	PASS
	Ant2	2462	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-61.99	≤-29.34	PASS
			1000~26500	0.66	-42.95	≤-29.34	PASS
11N20MIMO	Ant1	2412	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-54.94	≤-32.74	PASS



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	Ant2	2412	1000~26500	-2.74	-43.43	≤-32.74	PASS
			Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-62.14	≤-31.88	PASS
			1000~26500	-1.88	-43.37	≤-31.88	PASS
	Ant1	2437	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-62.05	≤-31.21	PASS
			1000~26500	-1.21	-43.58	≤-31.21	PASS
	Ant2	2437	Reference	-3.42	-3.42	---	PASS
			30~1000	-3.42	-61.63	≤-33.42	PASS
			1000~26500	-3.42	-43.17	≤-33.42	PASS
	Ant1	2462	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-59.72	≤-31.18	PASS
			1000~26500	-1.18	-42.74	≤-31.18	PASS
11N40MIMO	Ant1	2422	Reference	-8.25	-8.25	---	PASS
			30~1000	-8.25	-50.32	≤-38.25	PASS
			1000~26500	-8.25	-43.67	≤-38.25	PASS
	Ant2	2422	Reference	-7.31	-7.31	---	PASS
			30~1000	-7.31	-62.15	≤-37.31	PASS
			1000~26500	-7.31	-43.21	≤-37.31	PASS
	Ant1	2437	Reference	-7.90	-7.90	---	PASS
			30~1000	-7.90	-61.58	≤-37.9	PASS
			1000~26500	-7.90	-43.8	≤-37.9	PASS
	Ant2	2437	Reference	-6.23	-6.23	---	PASS
			30~1000	-6.23	-61.98	≤-36.23	PASS
			1000~26500	-6.23	-42.96	≤-36.23	PASS
	Ant1	2452	Reference	-7.89	-7.89	---	PASS
			30~1000	-7.89	-61.91	≤-37.89	PASS
			1000~26500	-7.89	-43.44	≤-37.89	PASS
	Ant2	2452	Reference	-7.00	-7.00	---	PASS
			30~1000	-7.00	-61.67	≤-37	PASS
			1000~26500	-7.00	-43.16	≤-37	PASS



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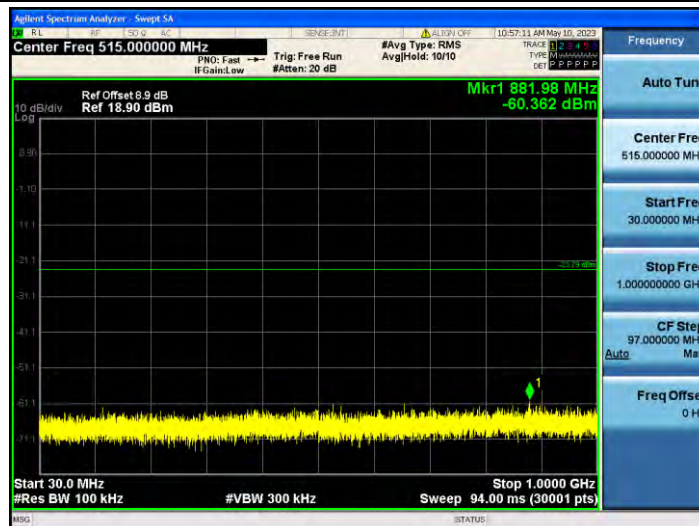
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10.6.2 Test Graphs

11B_Ant1_2412_0~Reference

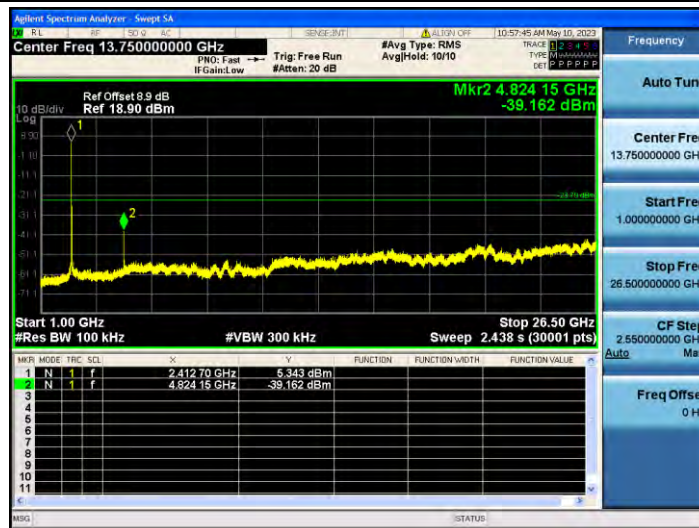


11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500





11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



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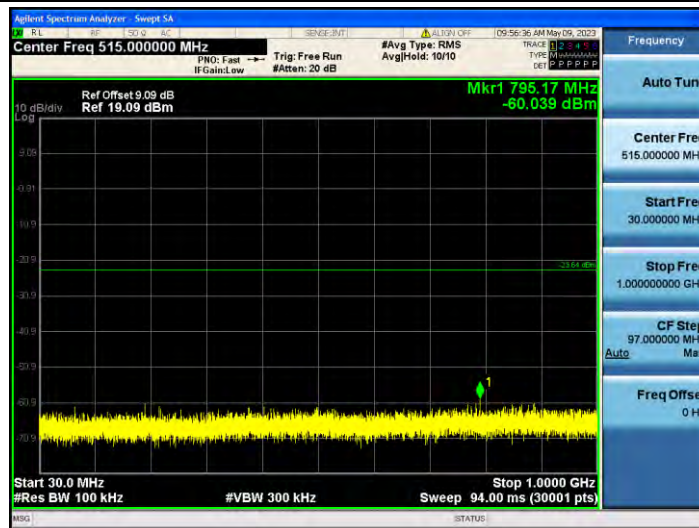
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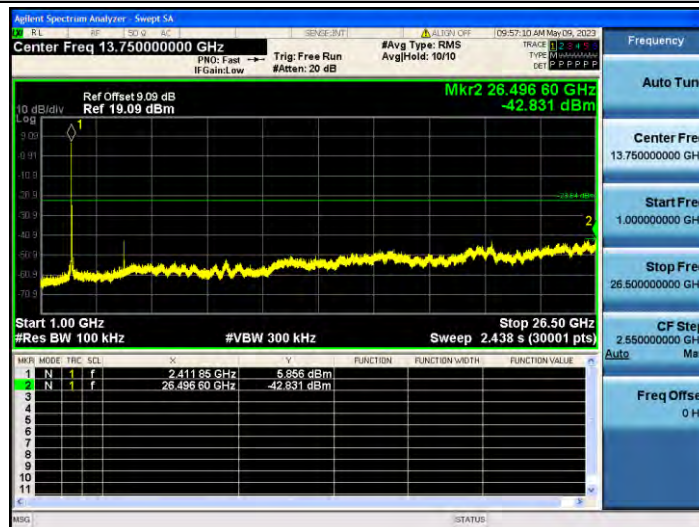
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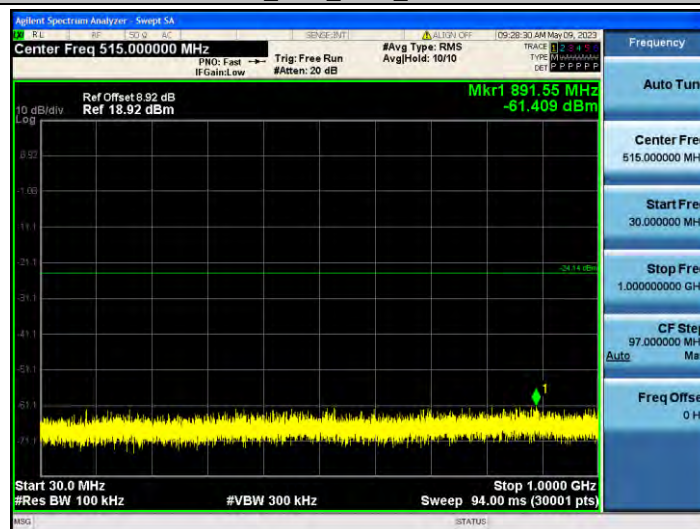
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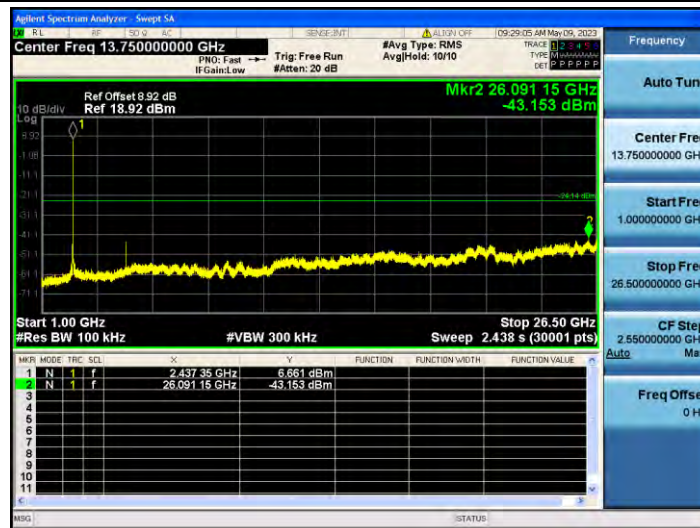
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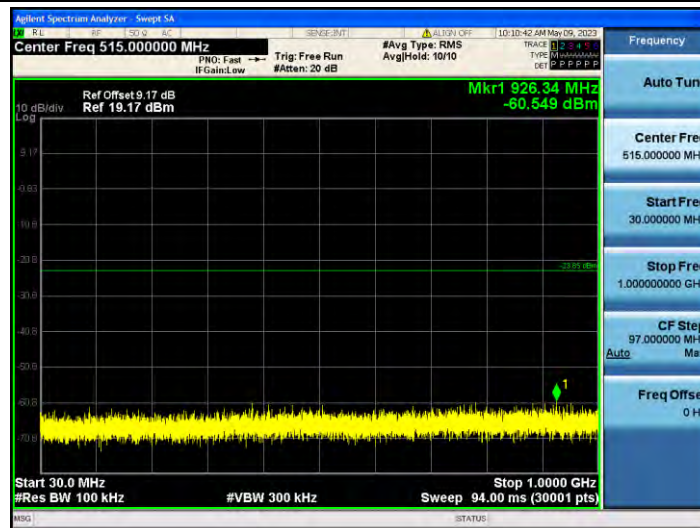


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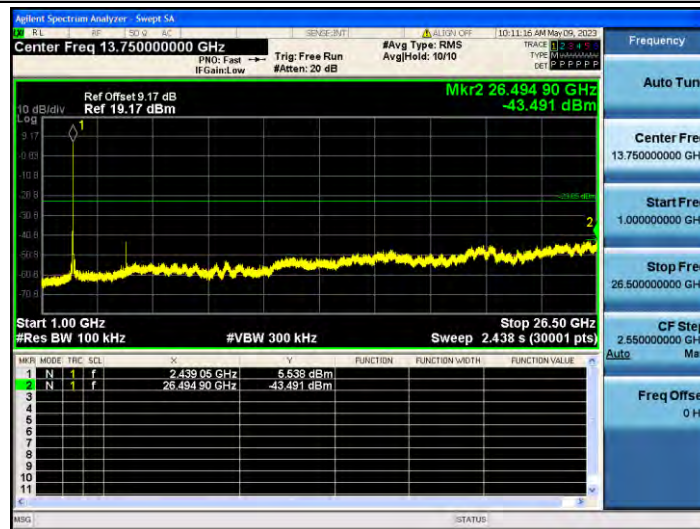


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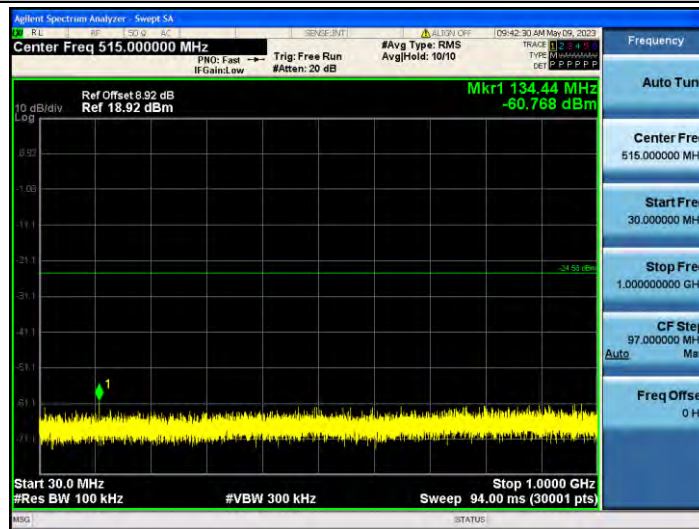
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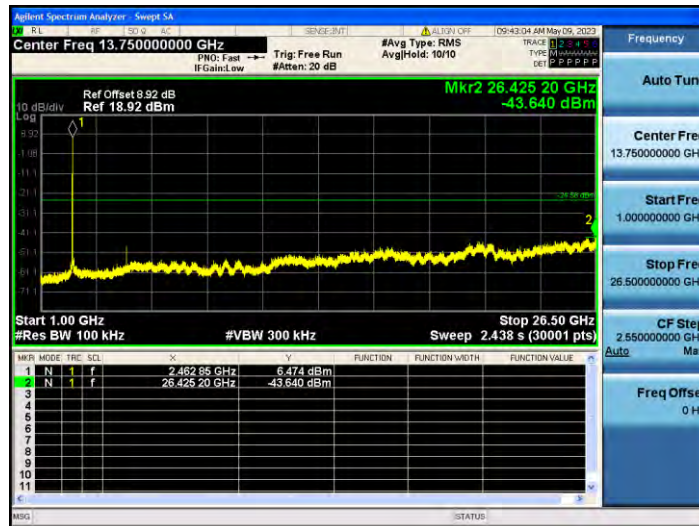
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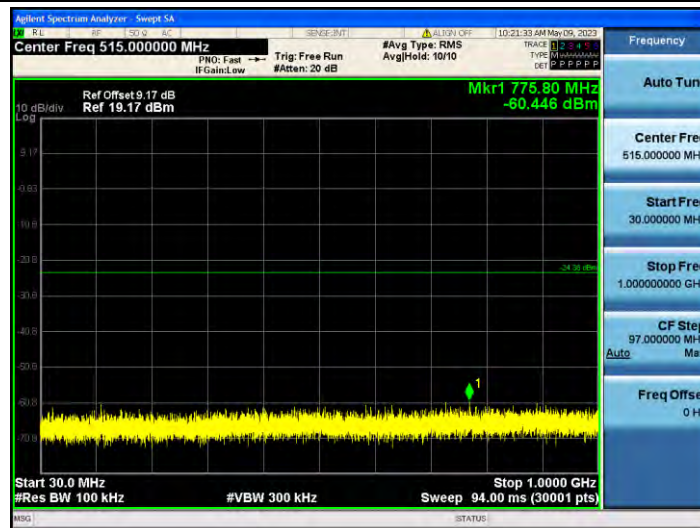


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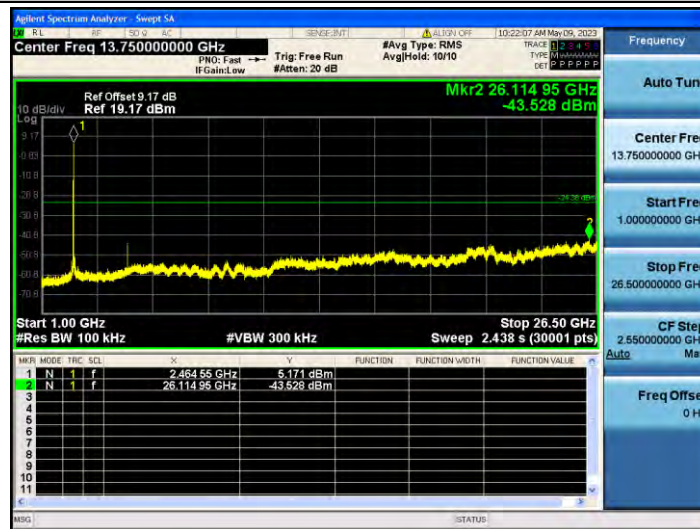


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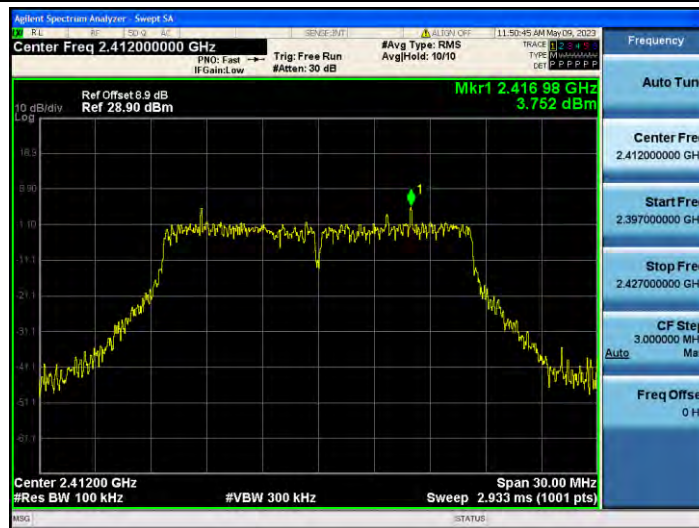
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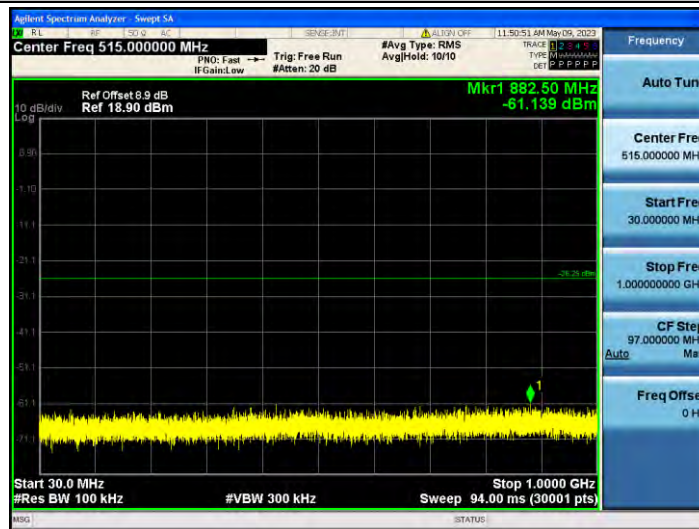
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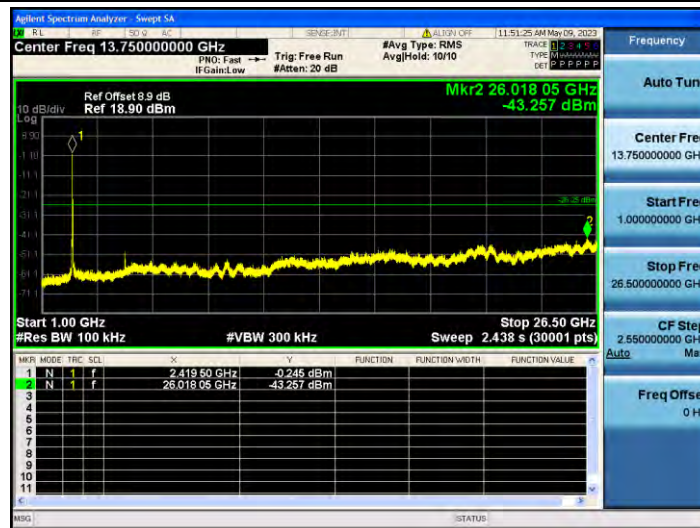


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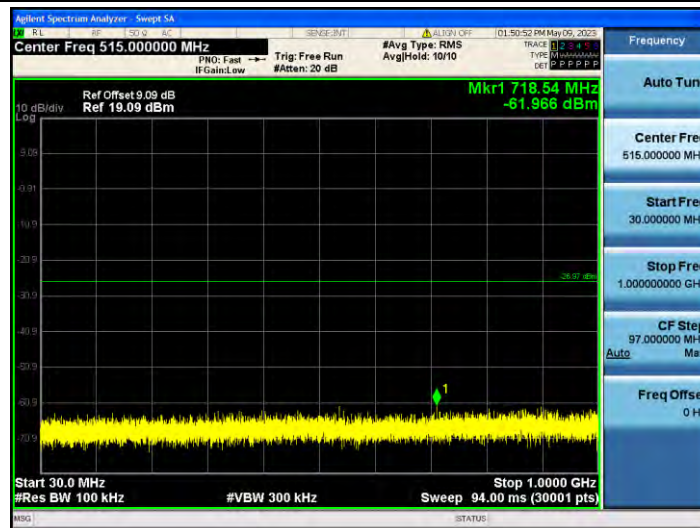
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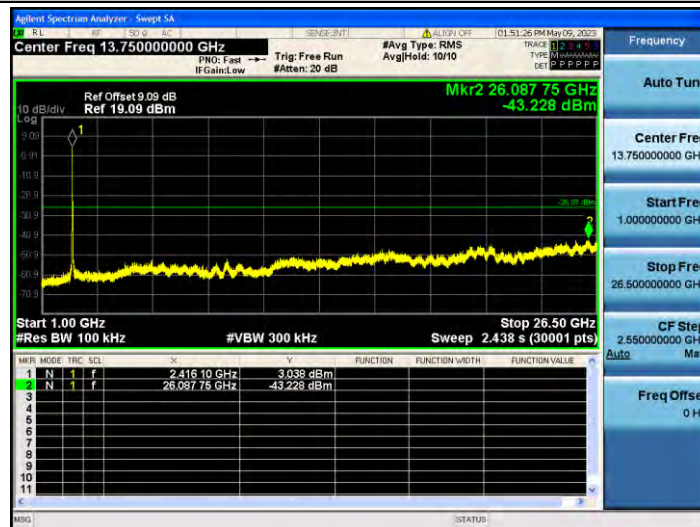
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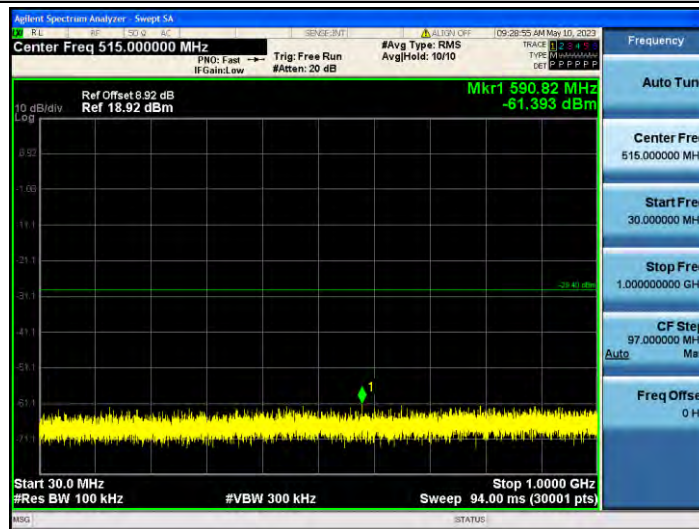


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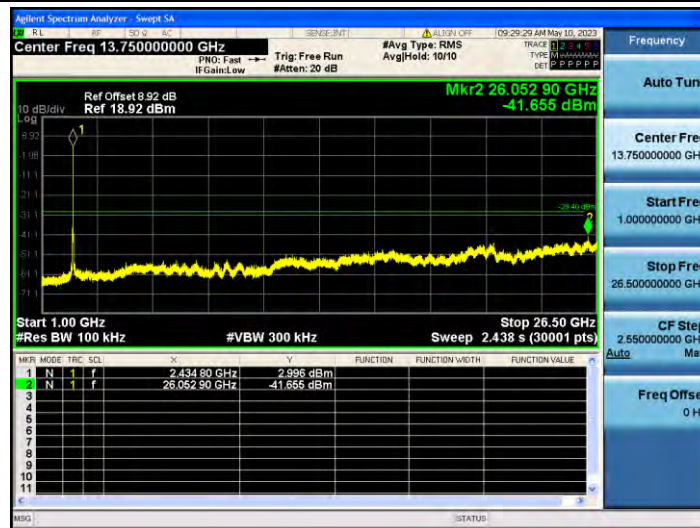
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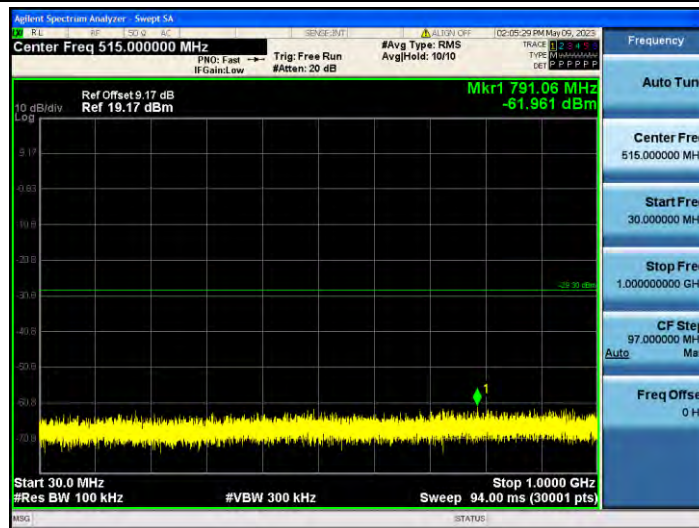
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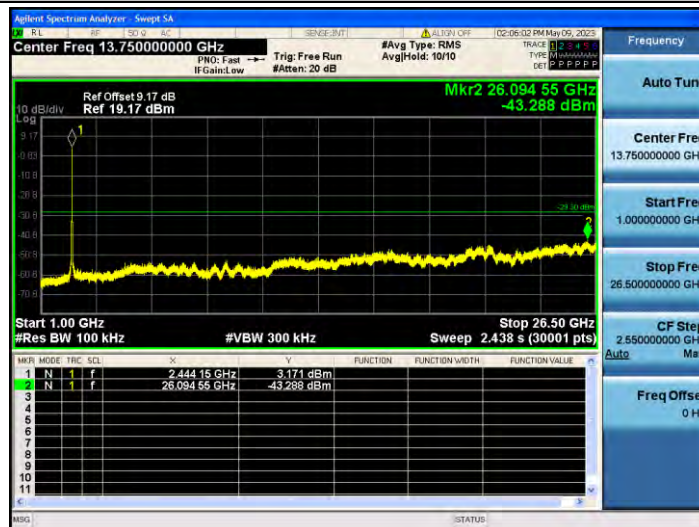
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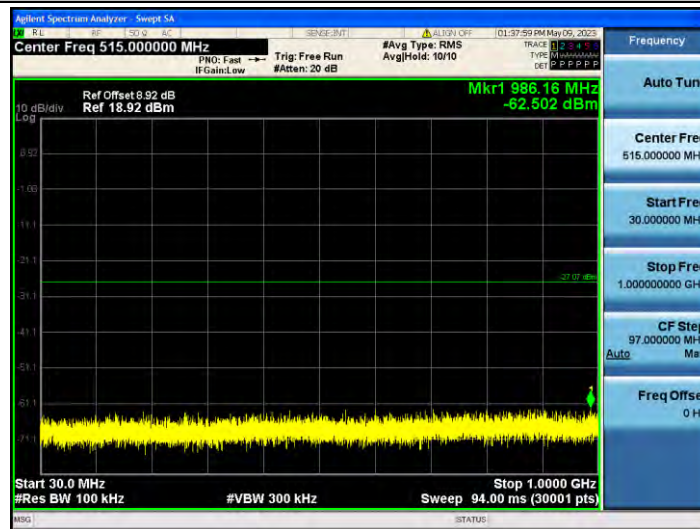


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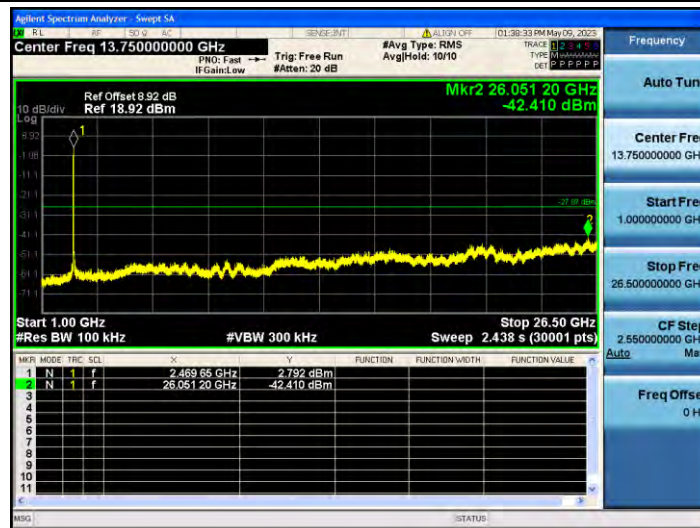
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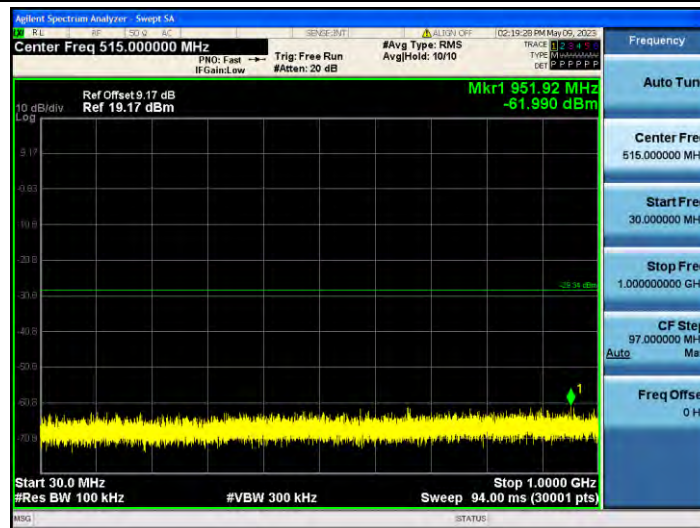
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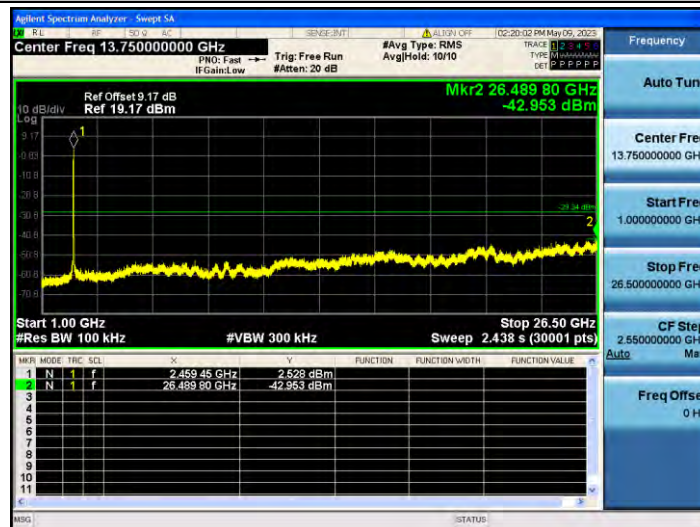
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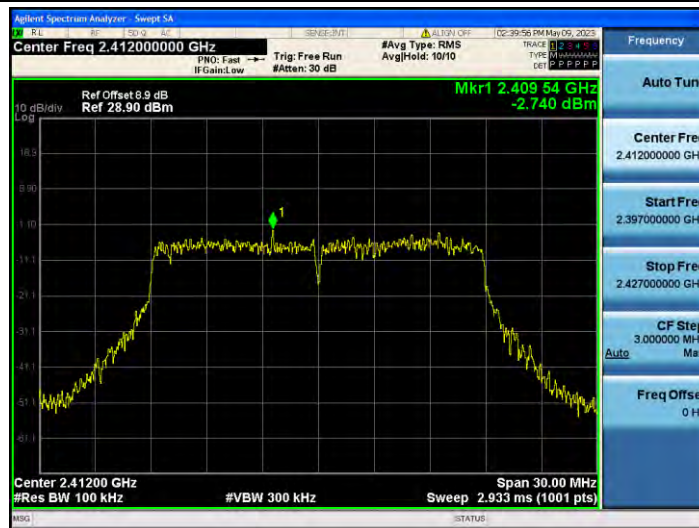
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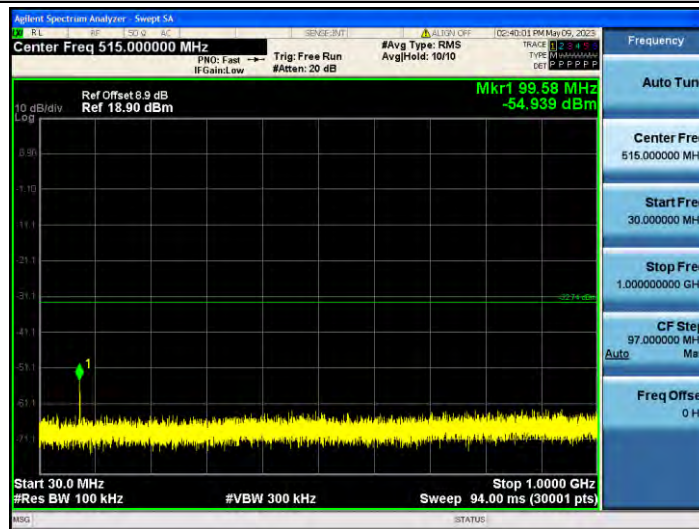
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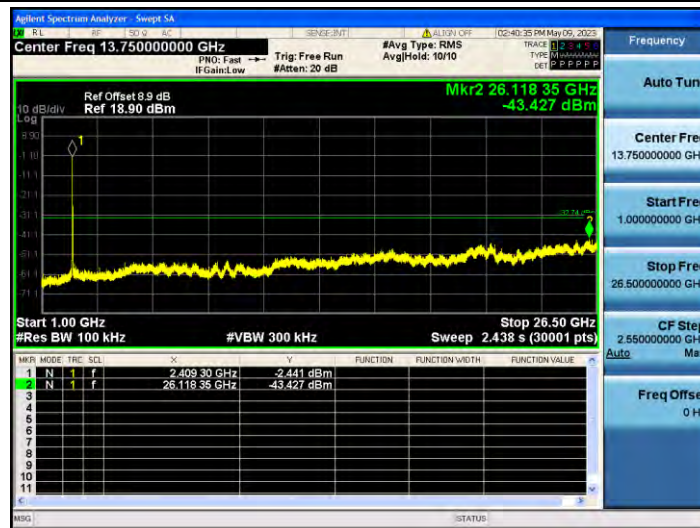
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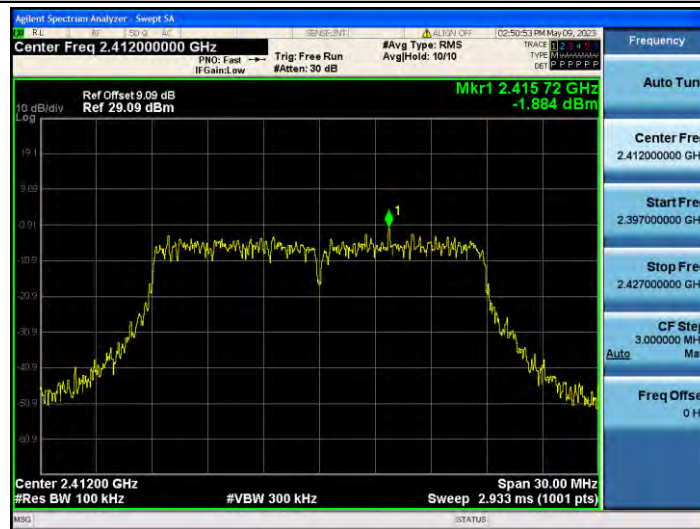
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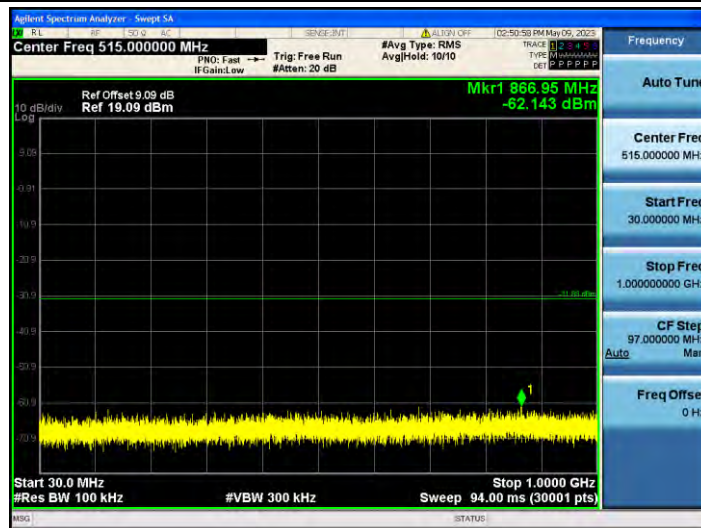
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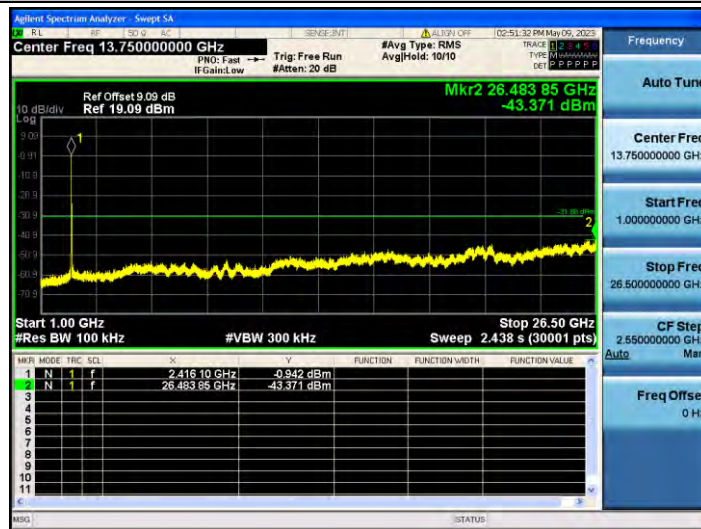
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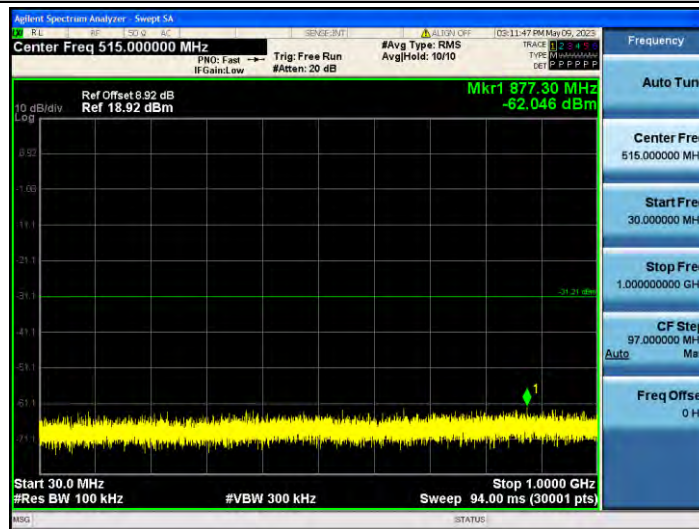
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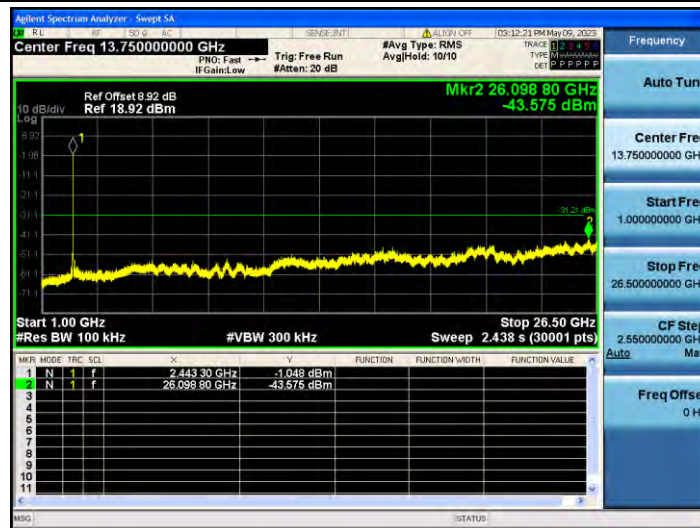
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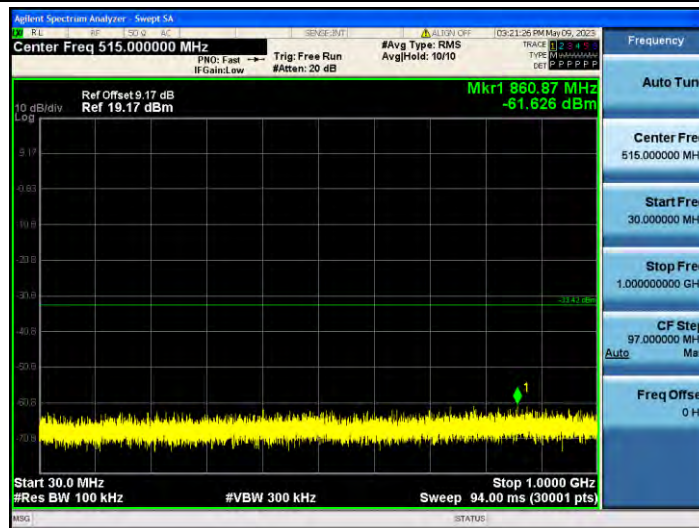


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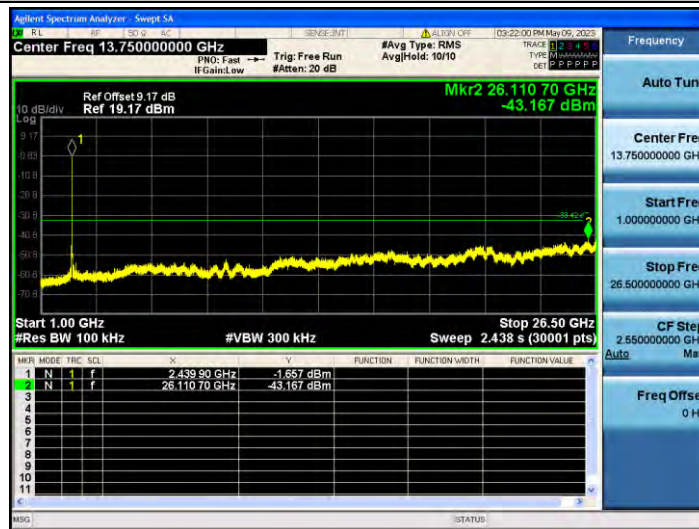


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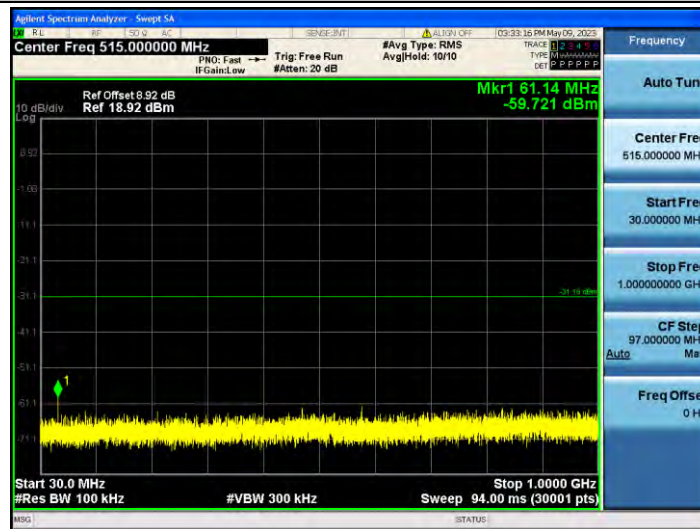
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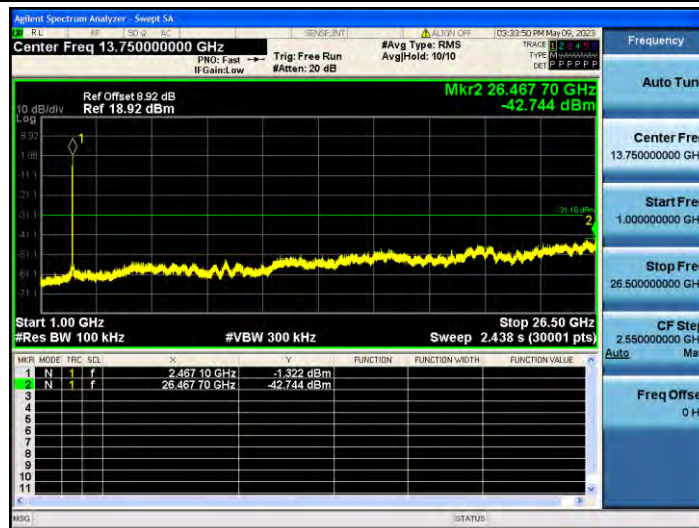
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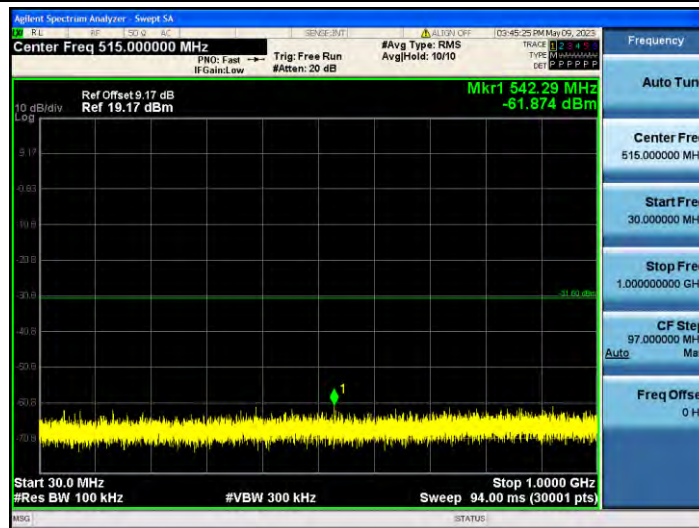
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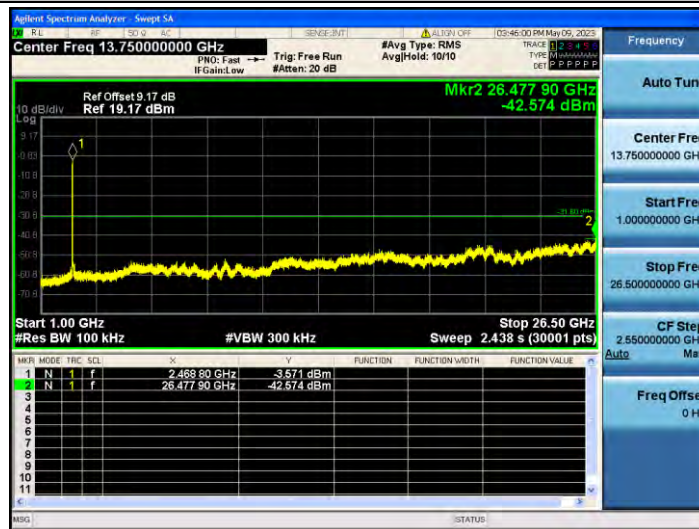
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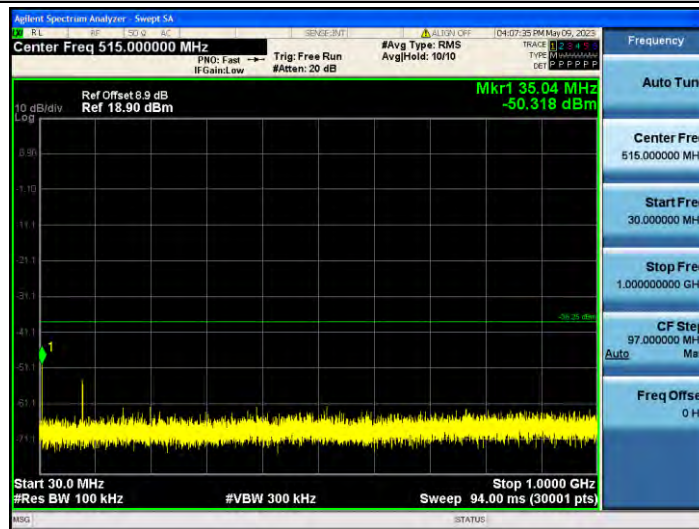
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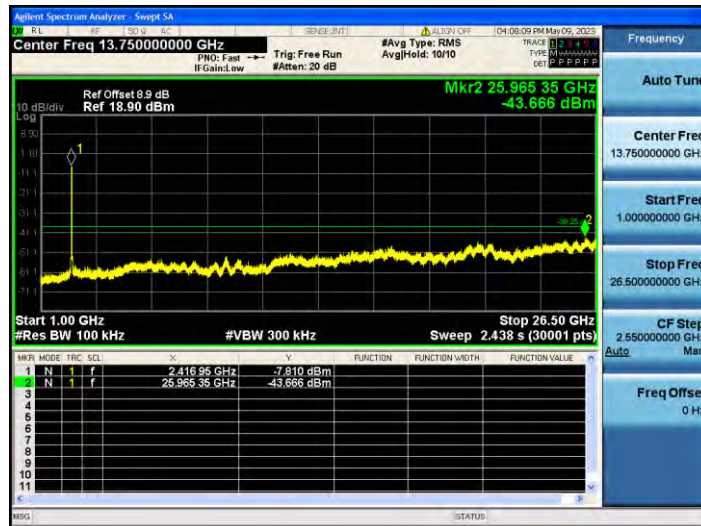
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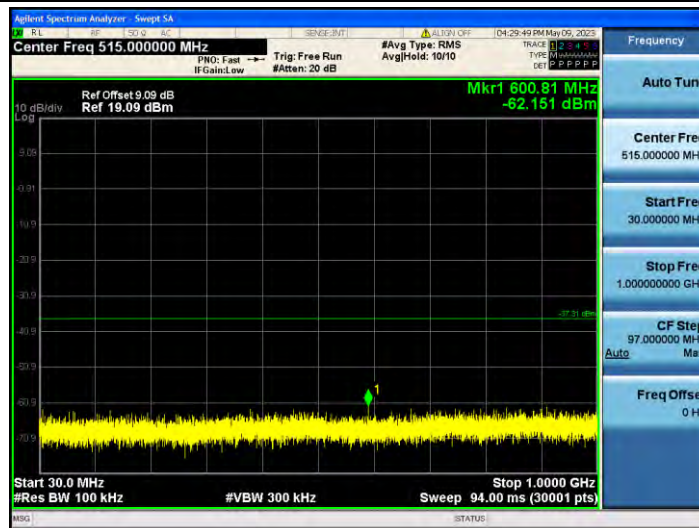
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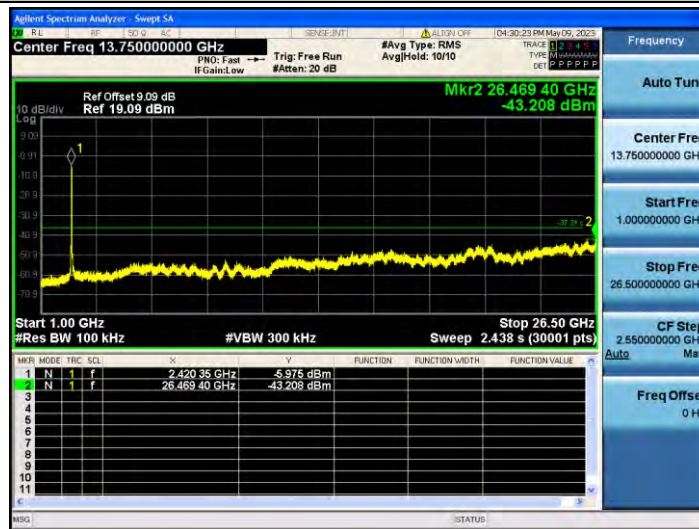
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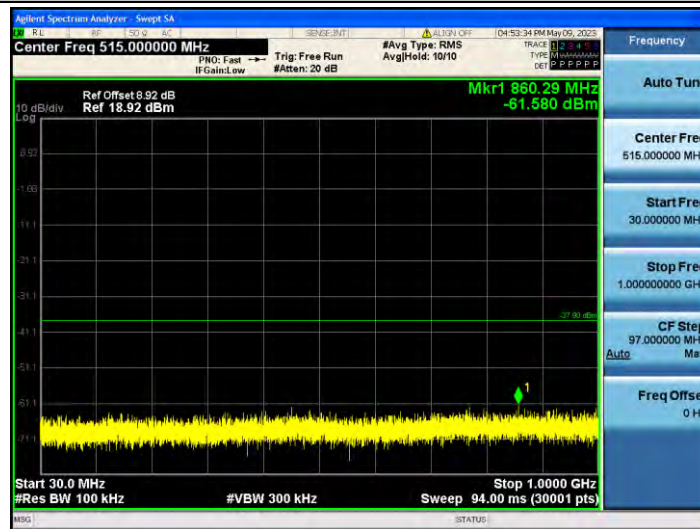
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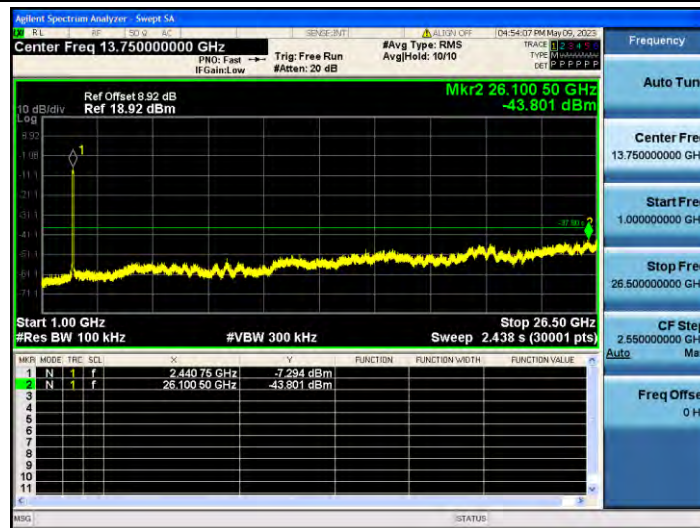
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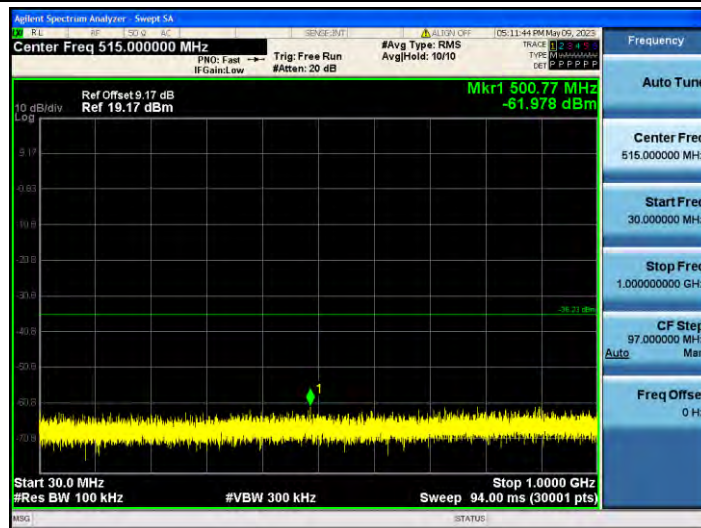
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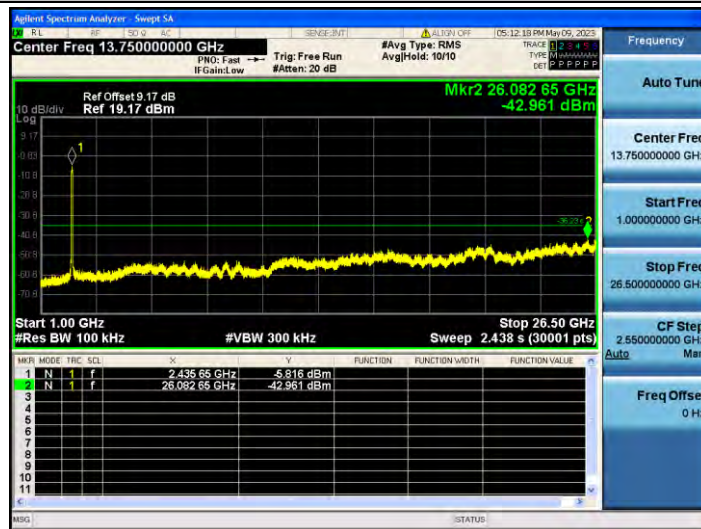
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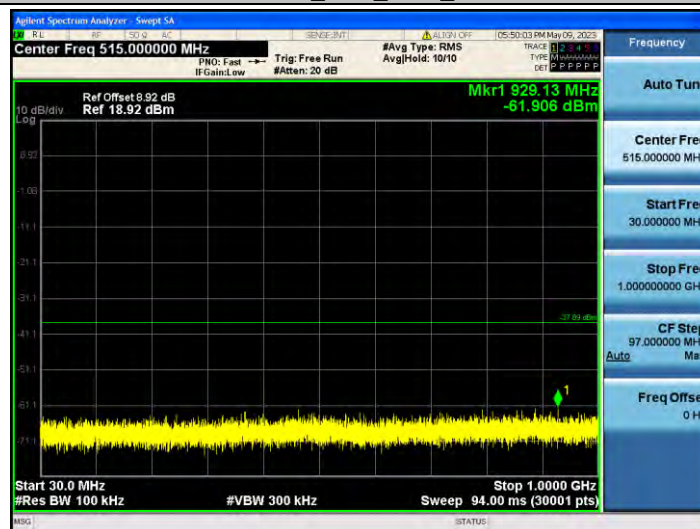
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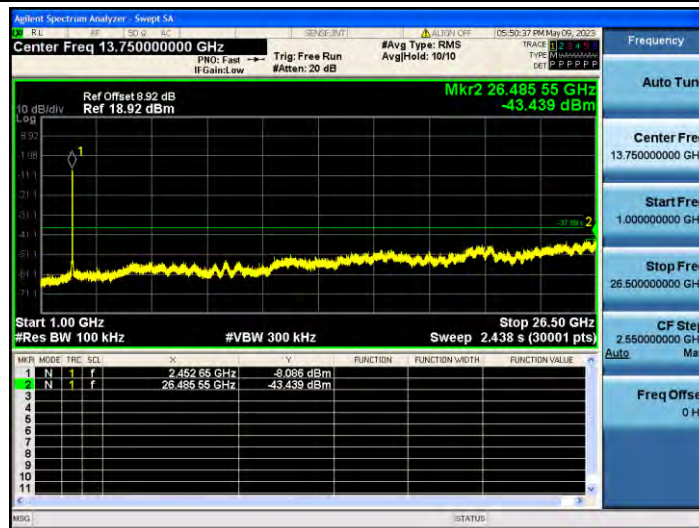
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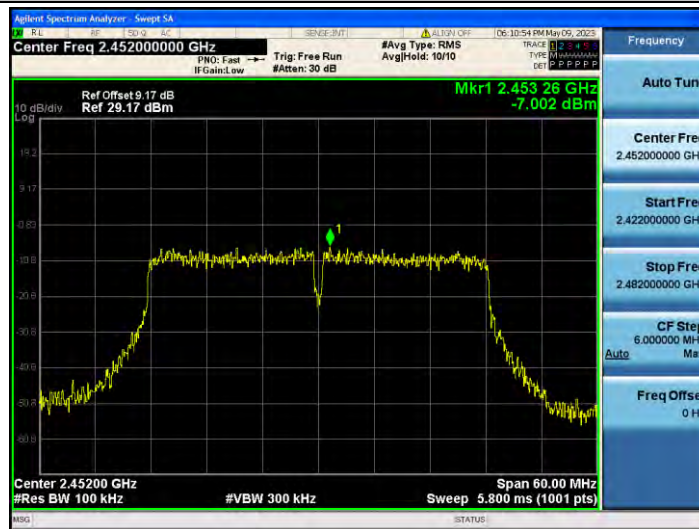
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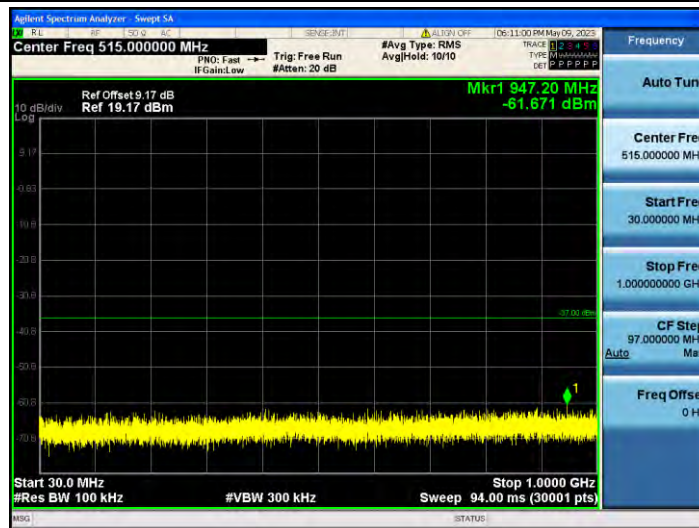
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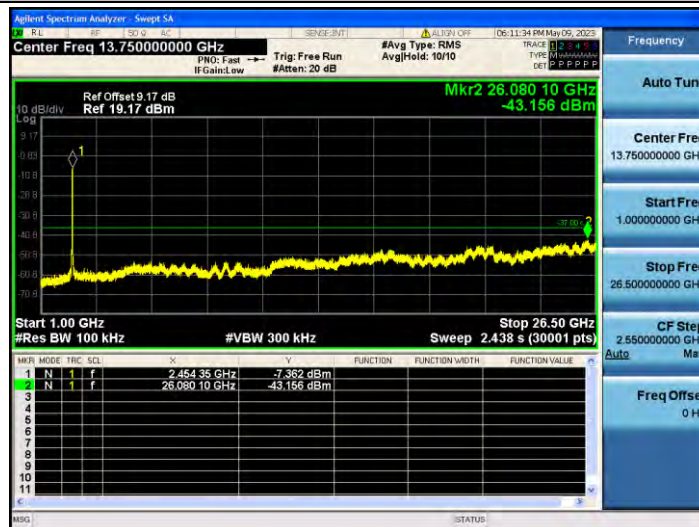
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11N40MIMO_Ant2_2452_1000~26500



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10.7 Appendix G: Duty Cycle

10.7.1 Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.19	8.33	98.32	---	---
	Ant2	2412	8.20	8.71	94.14	---	---
	Ant1	2437	8.18	8.33	98.20	---	---
	Ant2	2437	8.20	8.38	97.85	---	---
	Ant1	2462	8.20	8.37	97.97	---	---
	Ant2	2462	8.20	8.36	98.09	---	---
11G	Ant1	2412	1.35	1.52	88.82	---	---
	Ant2	2412	1.36	1.53	88.89	---	---
	Ant1	2437	1.35	1.53	88.24	---	---
	Ant2	2437	1.35	1.53	88.24	---	---
	Ant1	2462	1.35	1.53	88.24	---	---
	Ant2	2462	1.36	1.54	88.31	---	---
11N20MIMO	Ant1	2412	1.28	1.46	87.67	---	---
	Ant2	2412	1.28	1.46	87.67	---	---
	Ant1	2437	1.28	1.45	88.28	---	---
	Ant2	2437	1.28	1.46	87.67	---	---
	Ant1	2462	1.28	1.45	88.28	---	---
	Ant2	2462	1.28	1.45	88.28	---	---
11N40MIMO	Ant1	2422	100.00	100.00	100.00	---	---
	Ant2	2422	100.00	100.00	100.00	---	---
	Ant1	2437	100.00	100.00	100.00	---	---
	Ant2	2437	100.00	100.00	100.00	---	---
	Ant1	2452	100.00	100.00	100.00	---	---
	Ant2	2452	100.00	100.00	100.00	---	---



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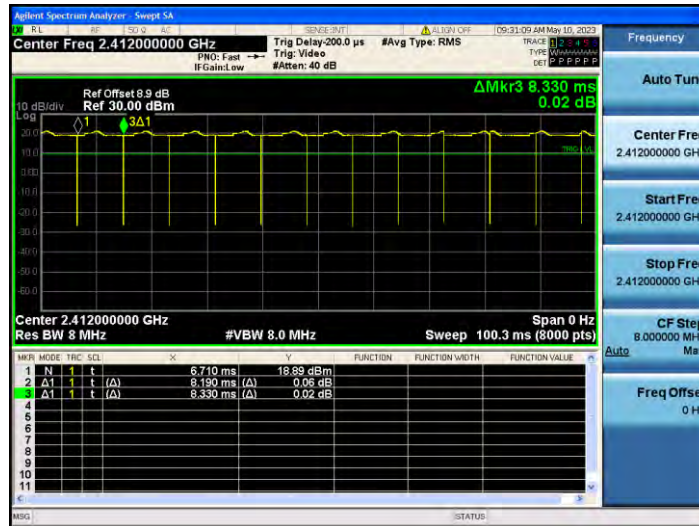
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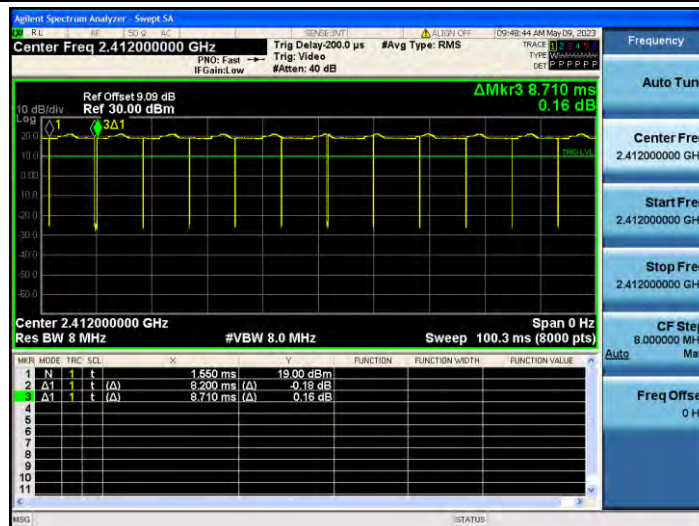
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10.7.2 Test Graphs

11B_Ant1_2412



11B_Ant2_2412



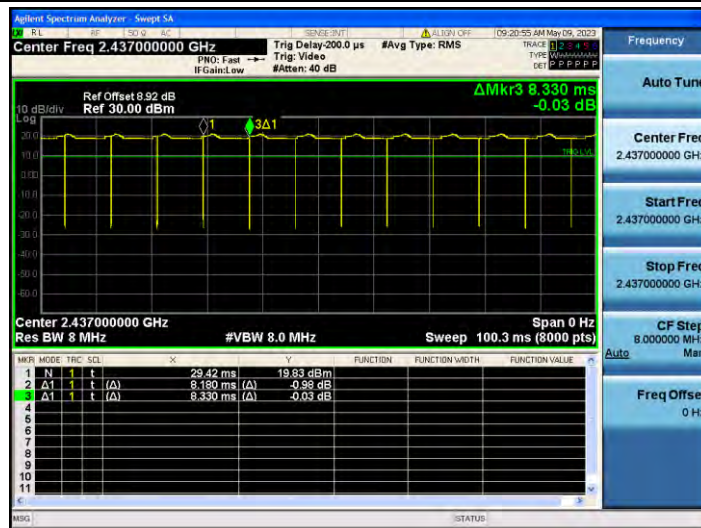
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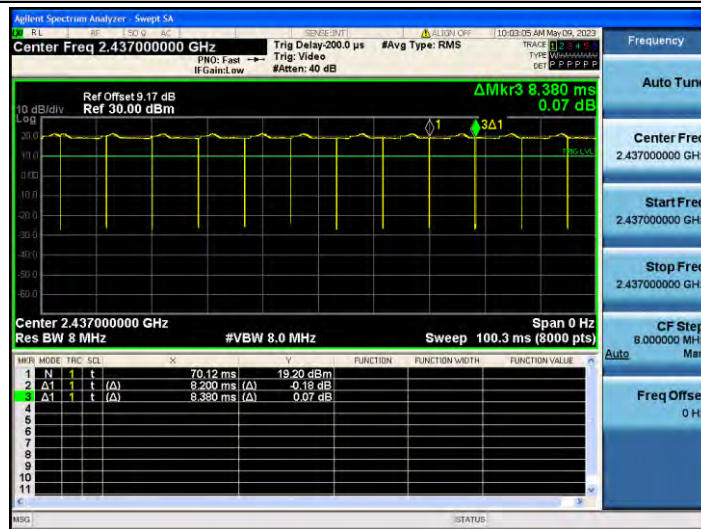
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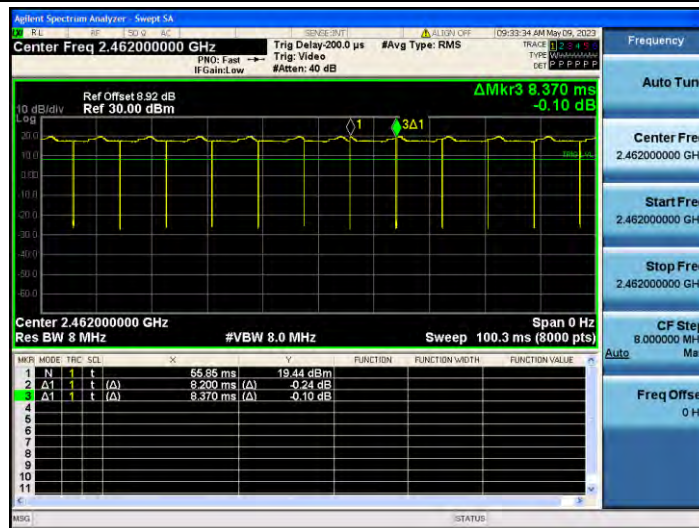
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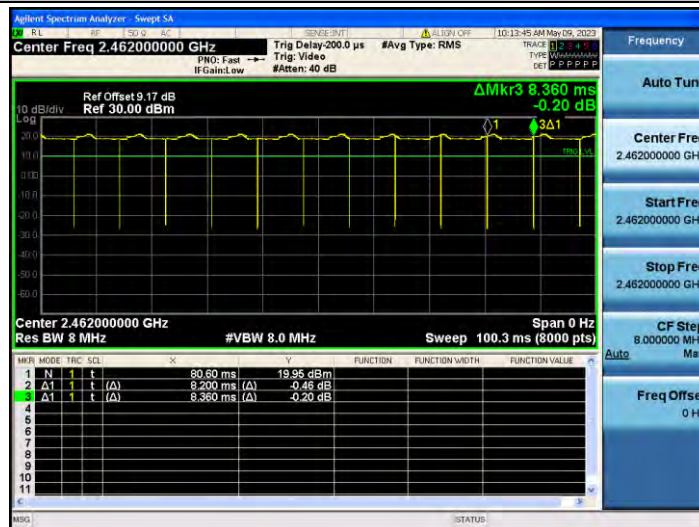
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11B_Ant2_2462



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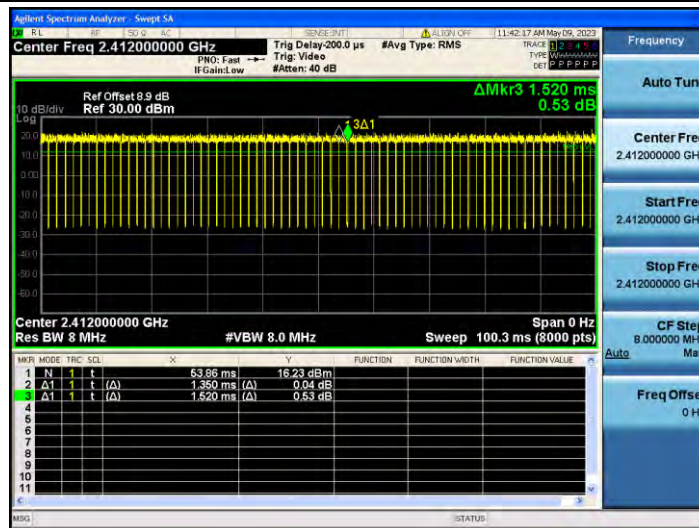
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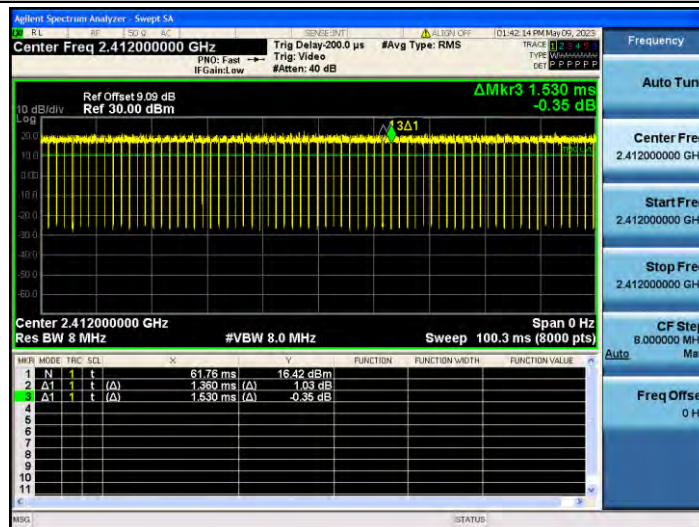
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11G_Ant2_2412



11G_Ant1_2437



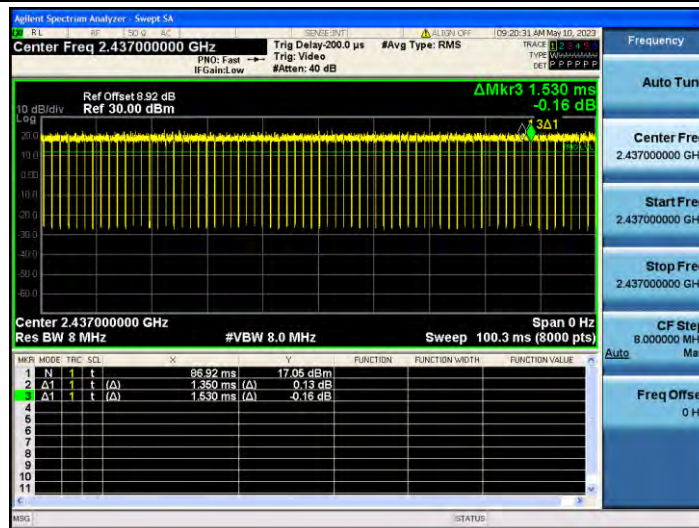
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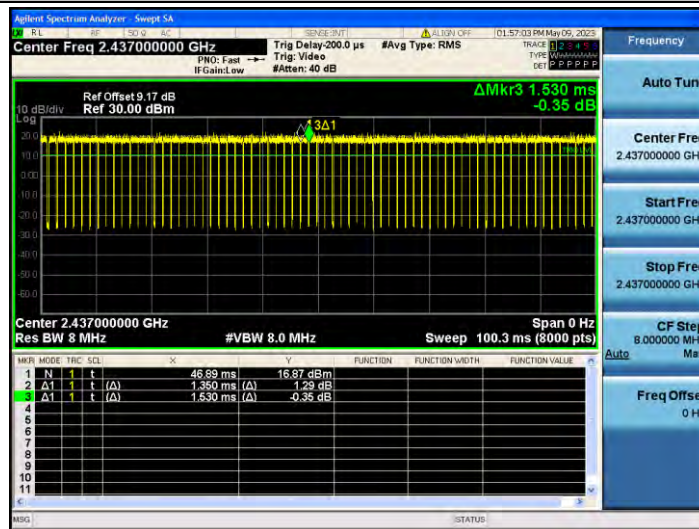
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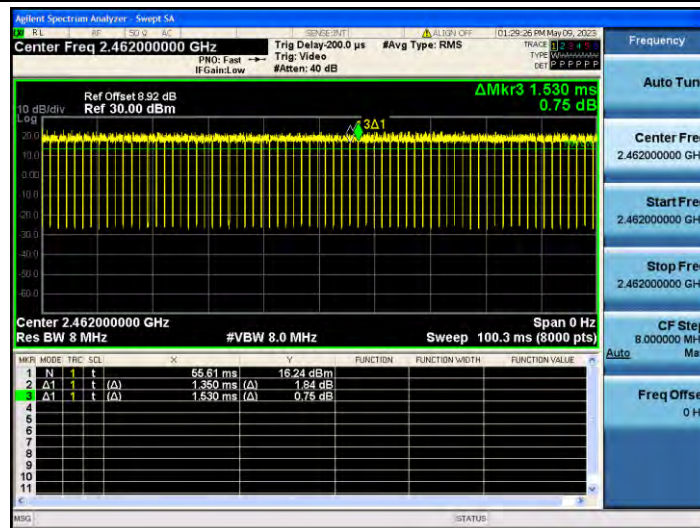
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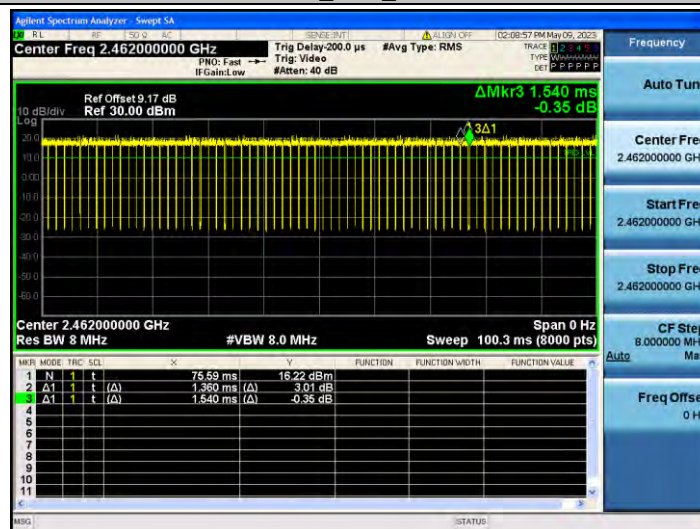
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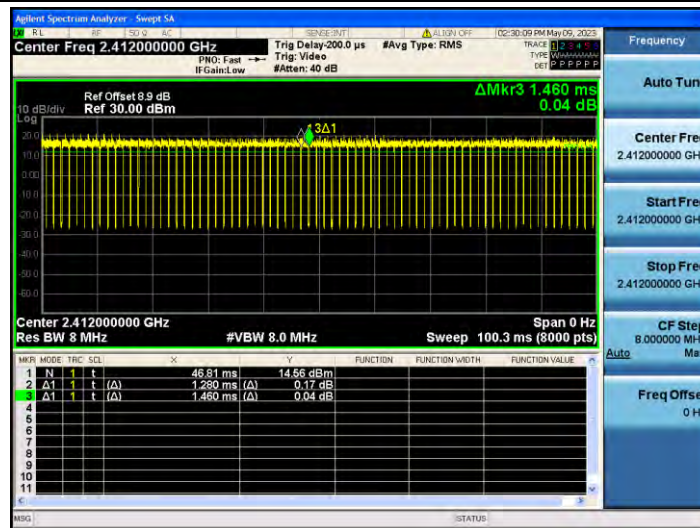
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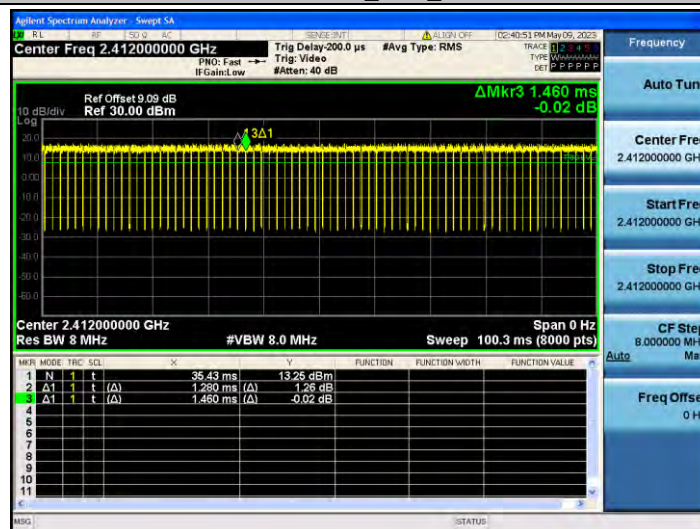
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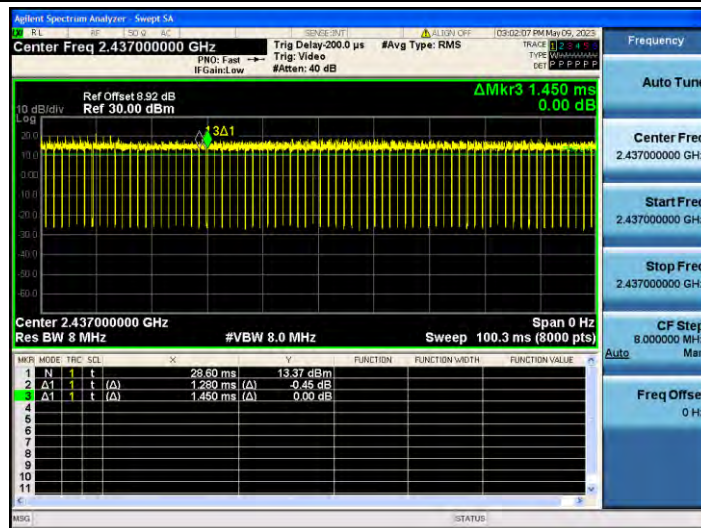
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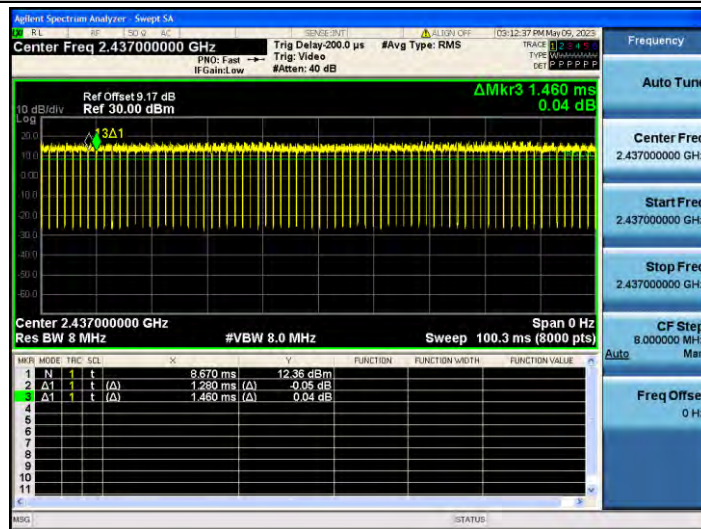
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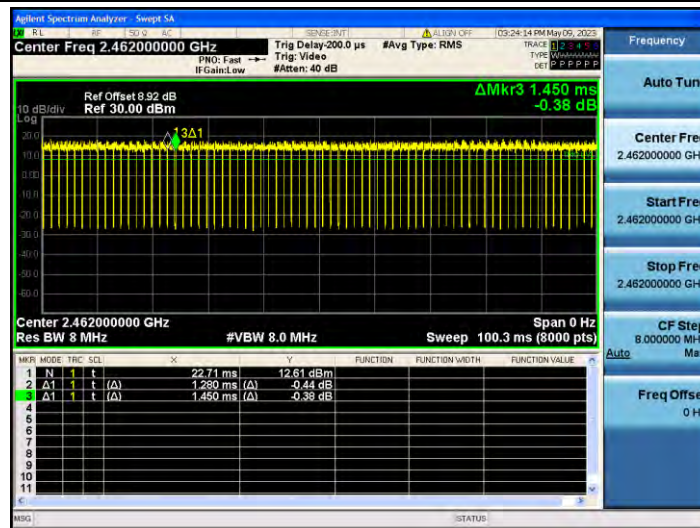
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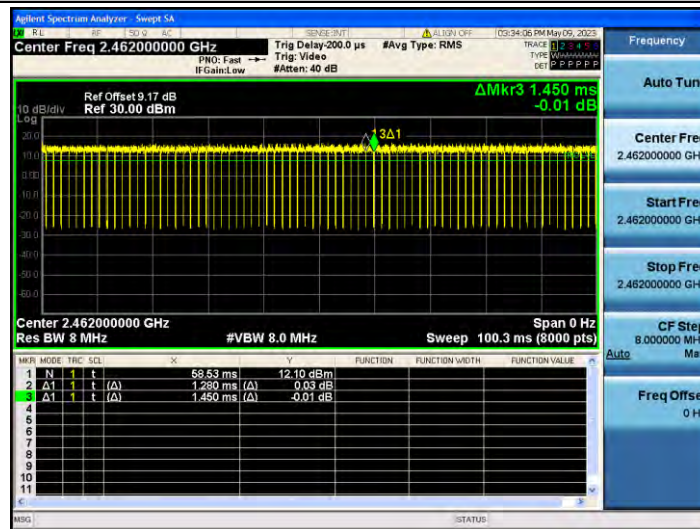
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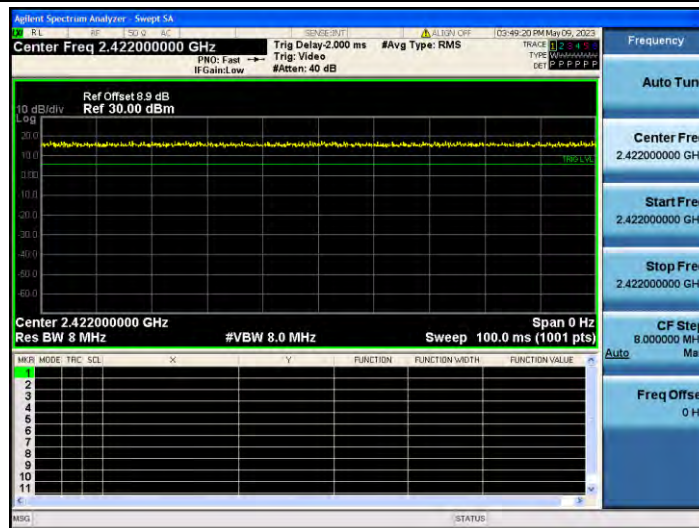
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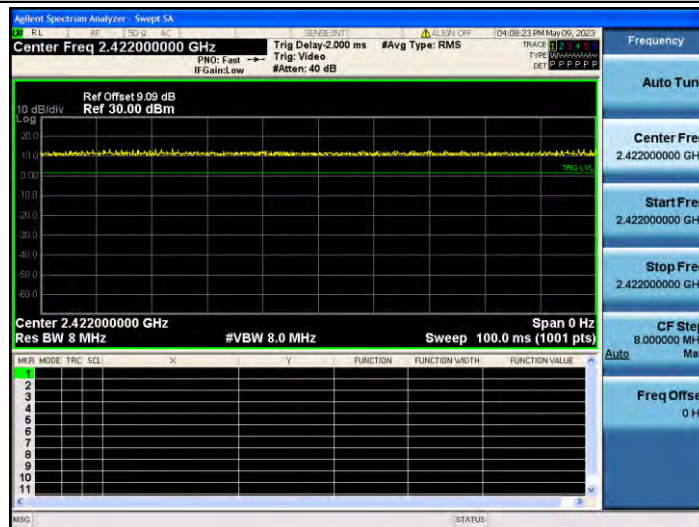
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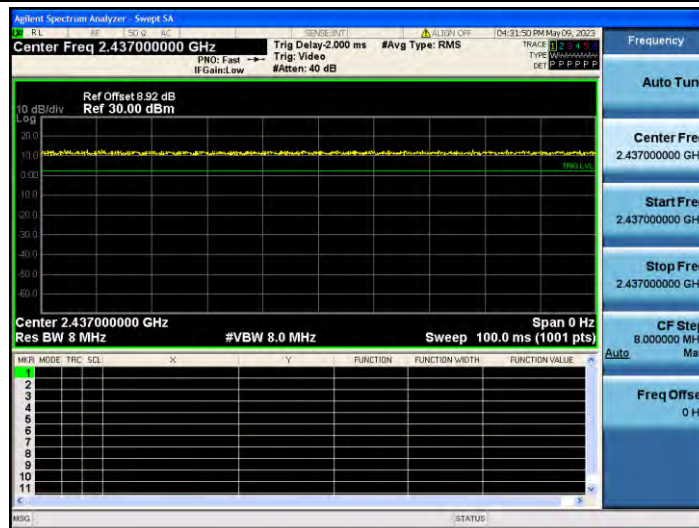
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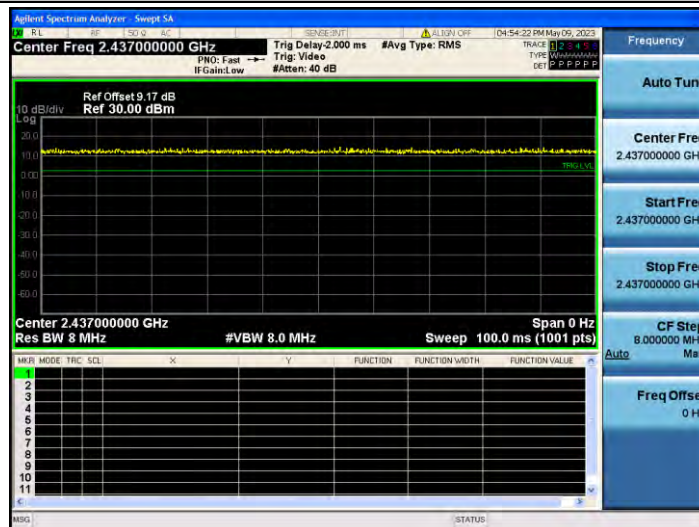
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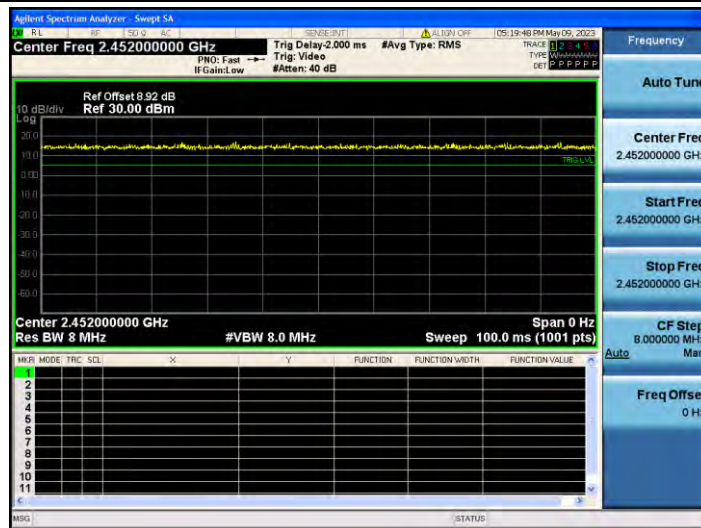


11N40MIMO_Ant2_2437

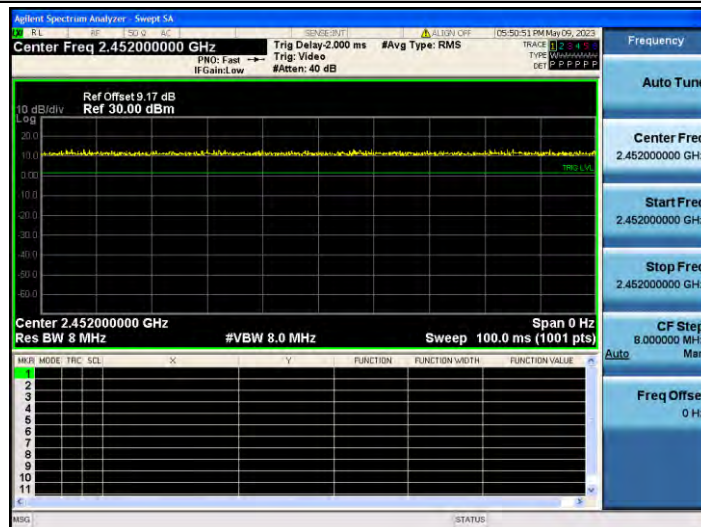


11N40MIMO_Ant1_2452





11N40MIMO_Ant2_2452



- End of the Report -



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