

Appendix Test Data

Report No.:	18220WC30176802	Test Sample No.:	1-2-2
Start Test Date:	2023.08.22	Finish Test Date:	2023.08.24
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	47%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.000	2416.080	≥0.5	PASS
		2437	8.040	2433.000	2441.040	≥0.5	PASS
		2462	9.560	2457.480	2467.040	≥0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.640	2428.200	2445.840	≥0.5	PASS
		2462	17.560	2453.240	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.099	2404.9972	2419.0962
		2437	14.111	2429.9936	2444.1046
		2462	14.104	2454.9986	2469.1026
11G	Ant1	2412	17.269	2403.4085	2420.6775
		2437	17.170	2428.4675	2445.6375
		2462	17.215	2453.4358	2470.6508
11N20SISO	Ant1	2412	18.156	2403.0089	2421.1649
		2437	18.194	2427.9475	2446.1415
		2462	18.324	2452.8938	2471.2178



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

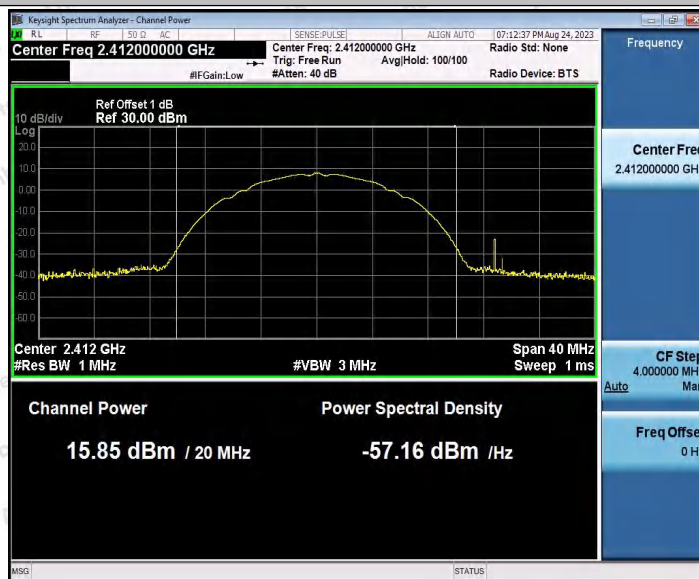
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.85	≤30.00
		2437	15.88	≤30.00
		2462	16.05	≤30.00
11G	Ant1	2412	16.41	≤30.00
		2437	16.52	≤30.00
		2462	16.72	≤30.00
11N20SISO	Ant1	2412	16.23	≤30.00
		2437	16.42	≤30.00
		2462	16.68	≤30.00

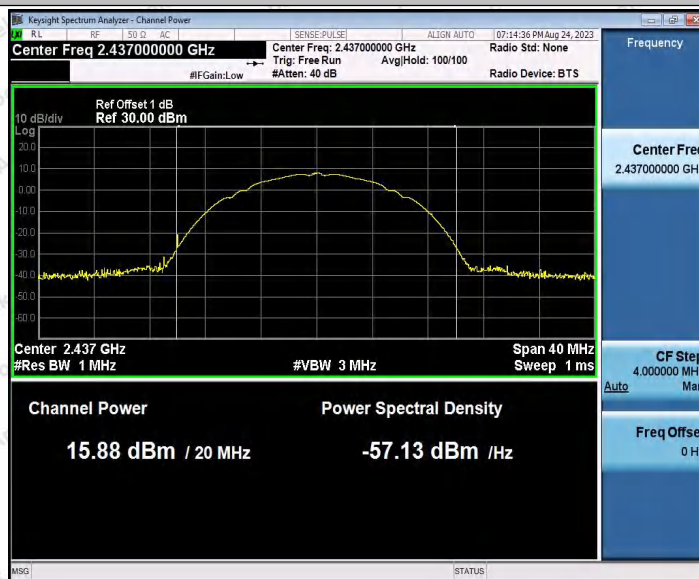


Test Graphs Peak

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

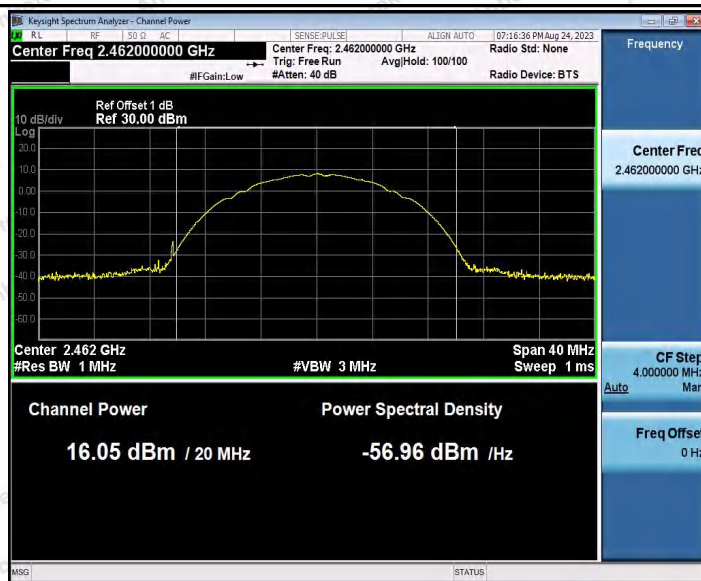
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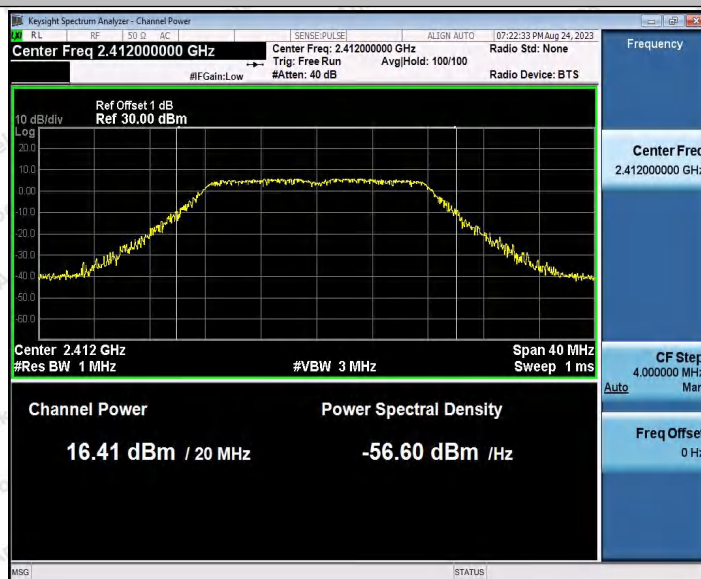


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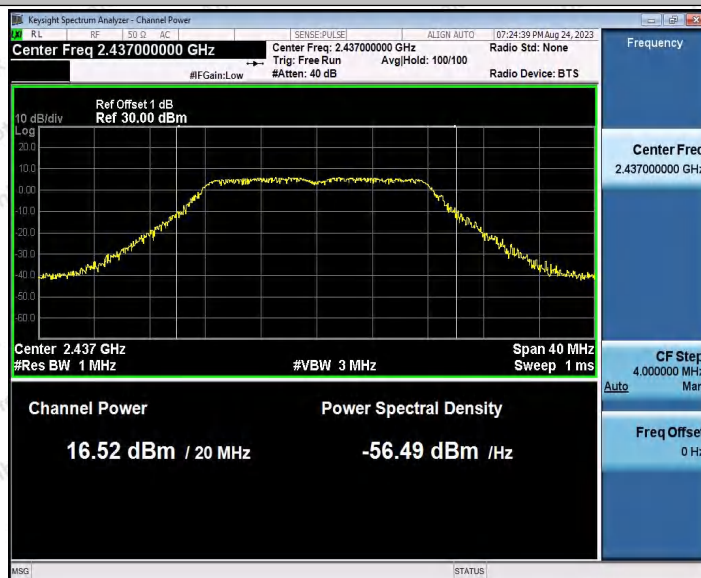




11G_Ant1_2412



11G_Ant1_2437



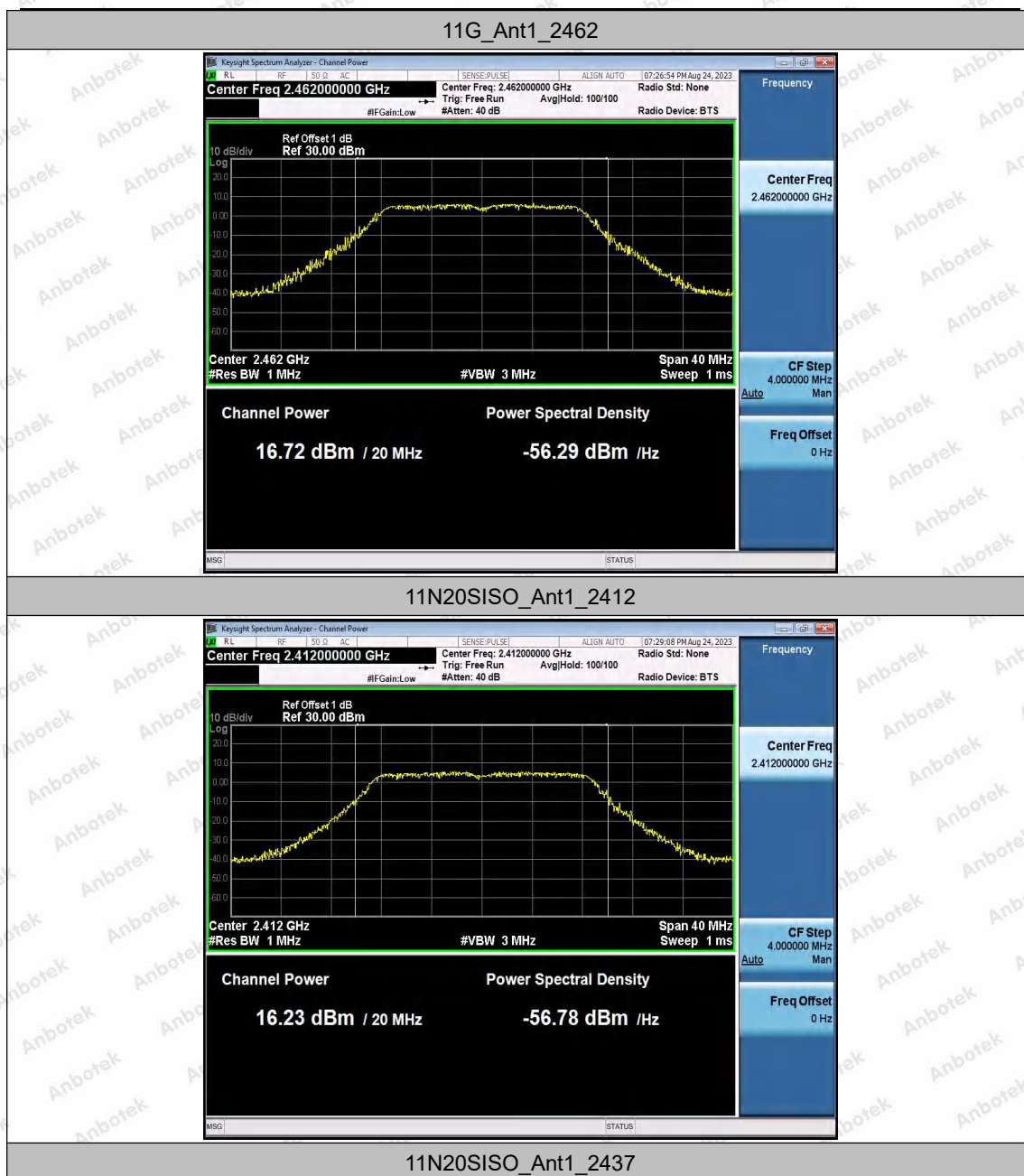
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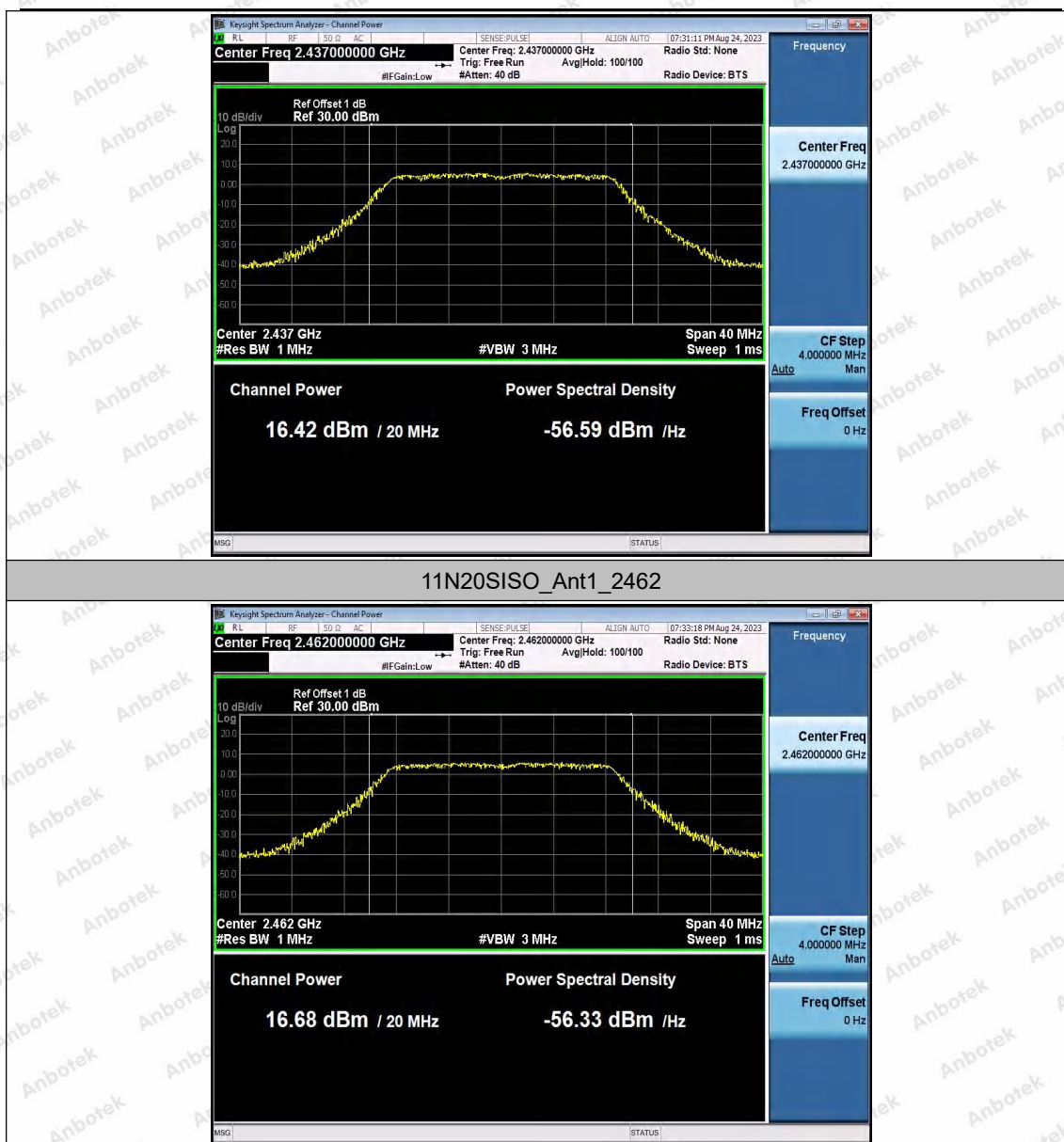
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.31	≤8.00	PASS
		2437	-9.13	≤8.00	PASS
		2462	-5.37	≤8.00	PASS
11G	Ant1	2412	-16.08	≤8.00	PASS
		2437	-16.15	≤8.00	PASS
		2462	-16.09	≤8.00	PASS
11N20SISO	Ant1	2412	-16.09	≤8.00	PASS
		2437	-16.40	≤8.00	PASS
		2462	-15.57	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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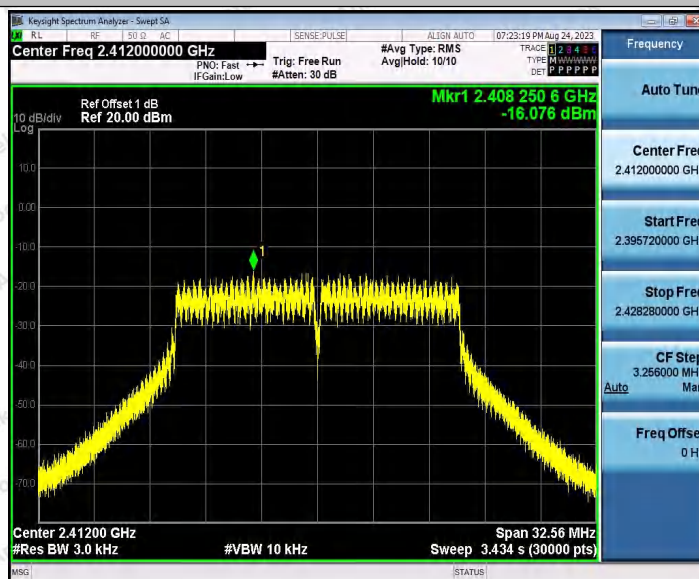


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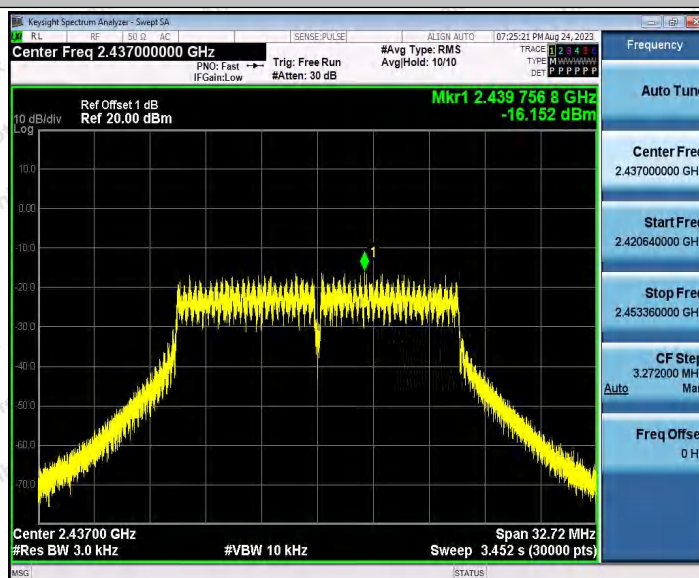




11G_Ant1_2412



11G_Ant1_2437

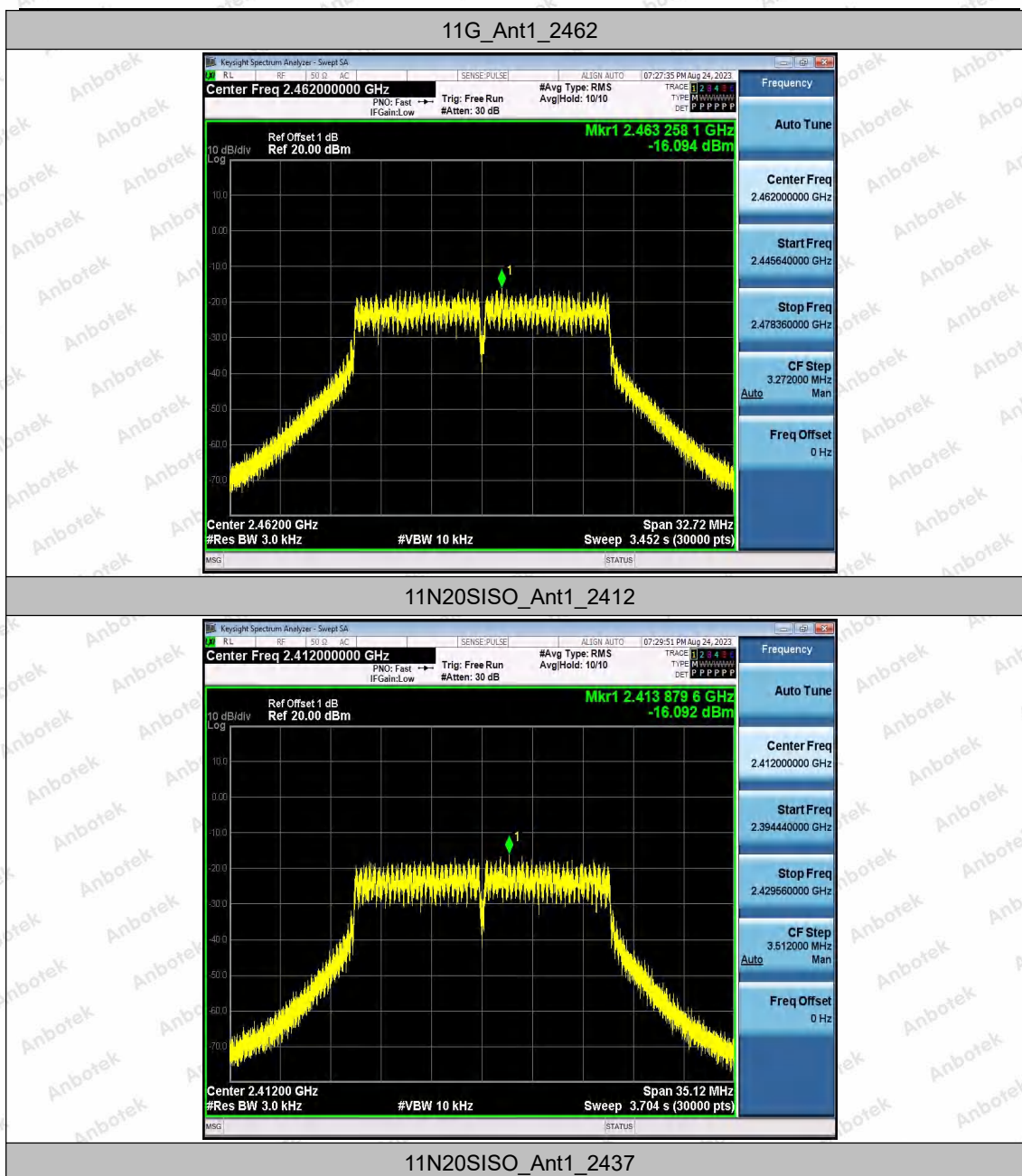
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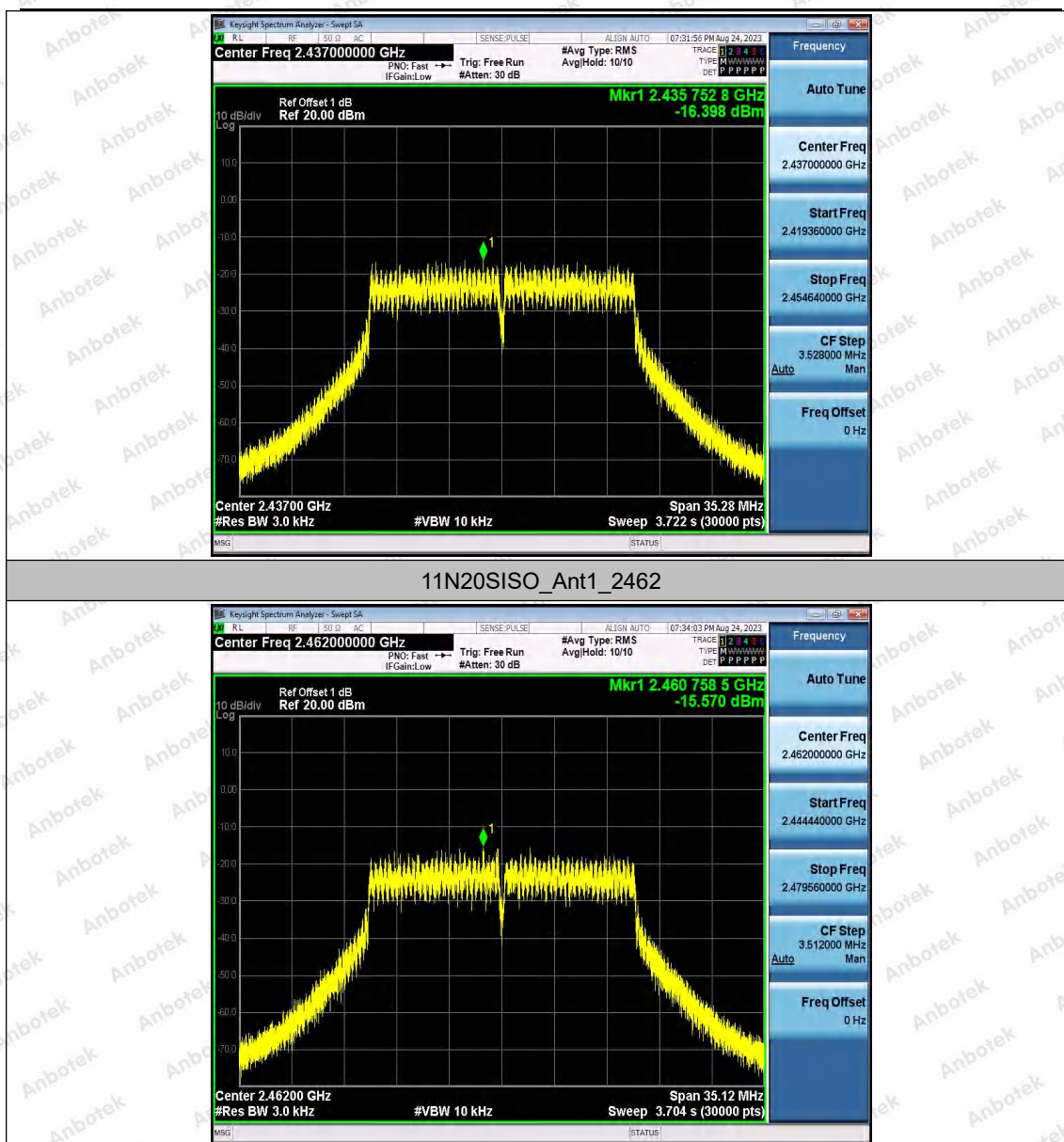
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Appendix E: Band edge measurements

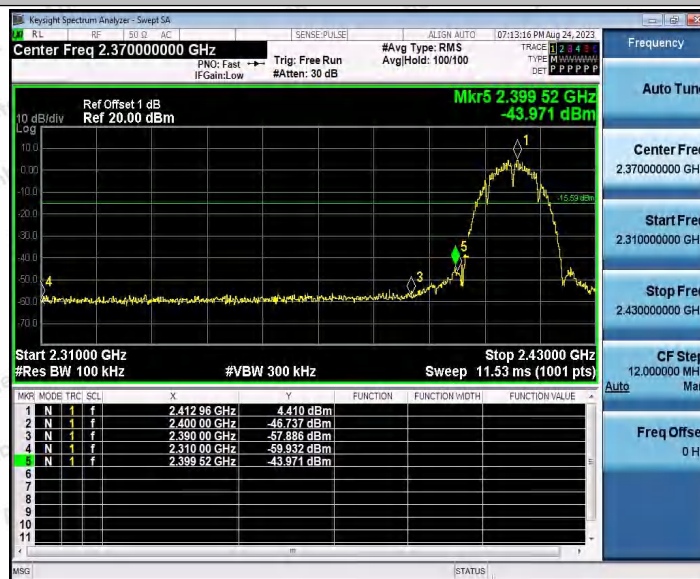
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.41	-43.97	≤-15.59	PASS
		High	2462	4.65	-55.23	≤-15.35	PASS
11G	Ant1	Low	2412	-2.77	-37.48	≤-22.77	PASS
		High	2462	-2.12	-54.89	≤-22.12	PASS
11N20SISO	Ant1	Low	2412	-2.11	-36.51	≤-22.11	PASS
		High	2462	-2.26	-54.14	≤-22.26	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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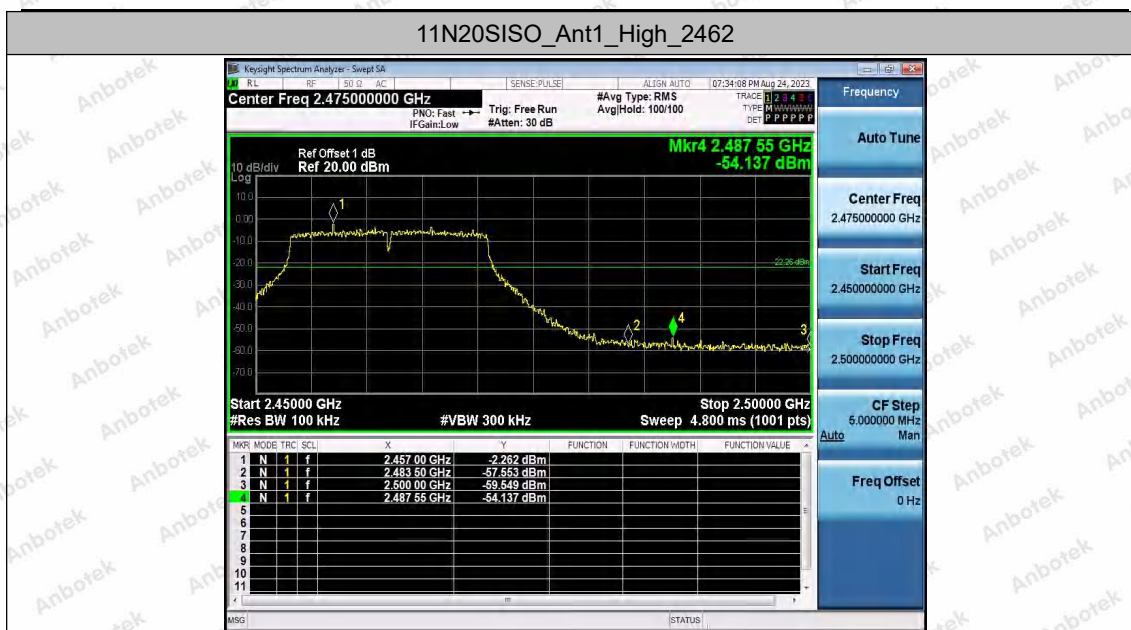


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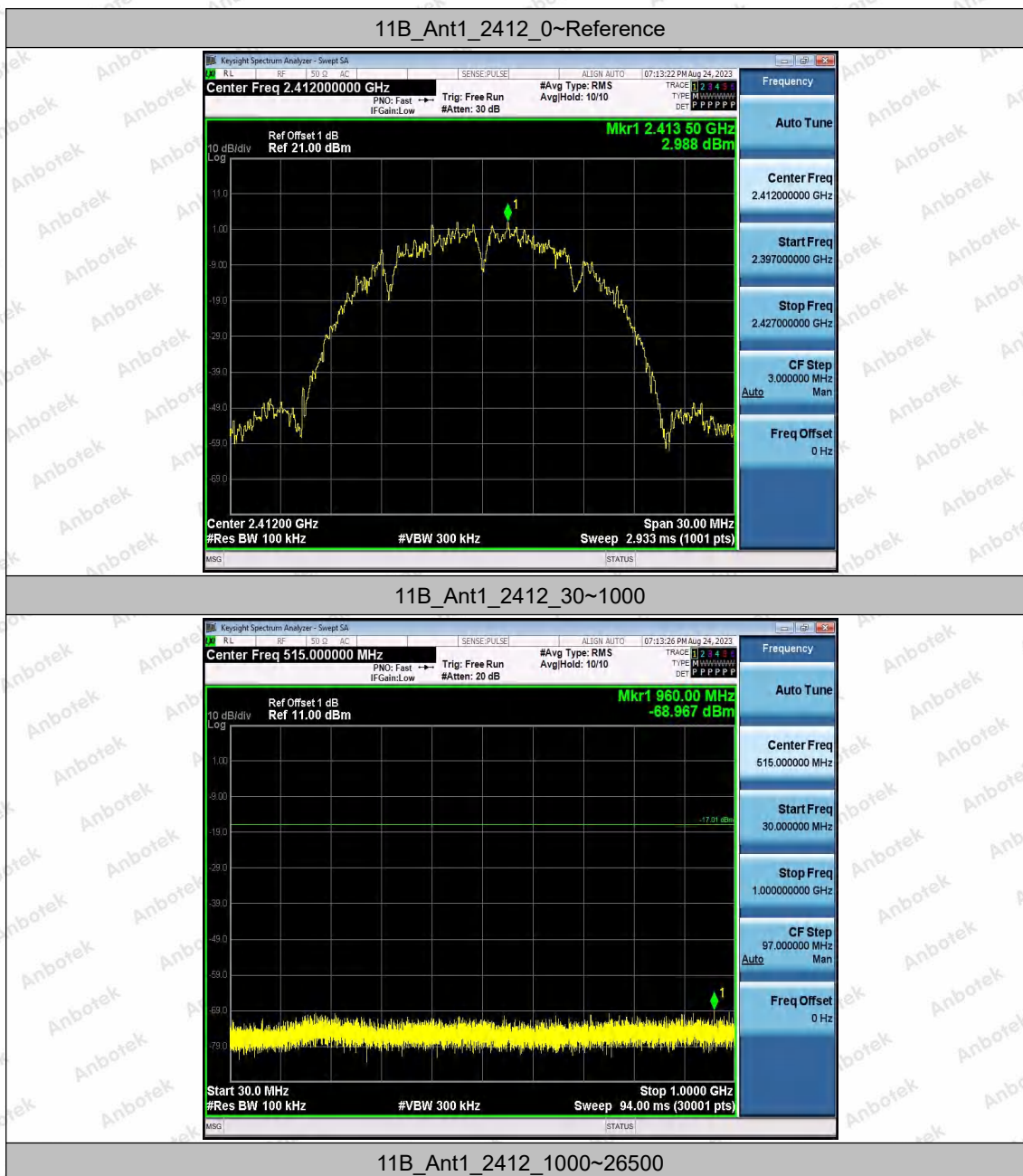
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-68.97	≤-17.01	PASS
			1000~26500	2.99	-49.57	≤-17.01	PASS
		2437	Reference	1.89	1.89	---	PASS
			30~1000	1.89	-67.73	≤-18.11	PASS
			1000~26500	1.89	-51.61	≤-18.11	PASS
		2462	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-69.25	≤-16.32	PASS
			1000~26500	3.68	-53.55	≤-16.32	PASS
11G	Ant1	2412	Reference	-5.31	-5.31	---	PASS
			30~1000	-5.31	-69.31	≤-25.31	PASS
			1000~26500	-5.31	-52.71	≤-25.31	PASS
		2437	Reference	-5.21	-5.21	---	PASS
			30~1000	-5.21	-67.44	≤-25.21	PASS
			1000~26500	-5.21	-53.61	≤-25.21	PASS
		2462	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-68.16	≤-22.95	PASS
			1000~26500	-2.95	-52.71	≤-22.95	PASS
11N20SISO	Ant1	2412	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-68.34	≤-23.28	PASS
			1000~26500	-3.28	-53.50	≤-23.28	PASS
		2437	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-68.30	≤-22.75	PASS
			1000~26500	-2.75	-53.33	≤-22.75	PASS
		2462	Reference	-3.92	-3.92	---	PASS
			30~1000	-3.92	-68.87	≤-23.92	PASS
			1000~26500	-3.92	-53.17	≤-23.92	PASS



Test Graphs



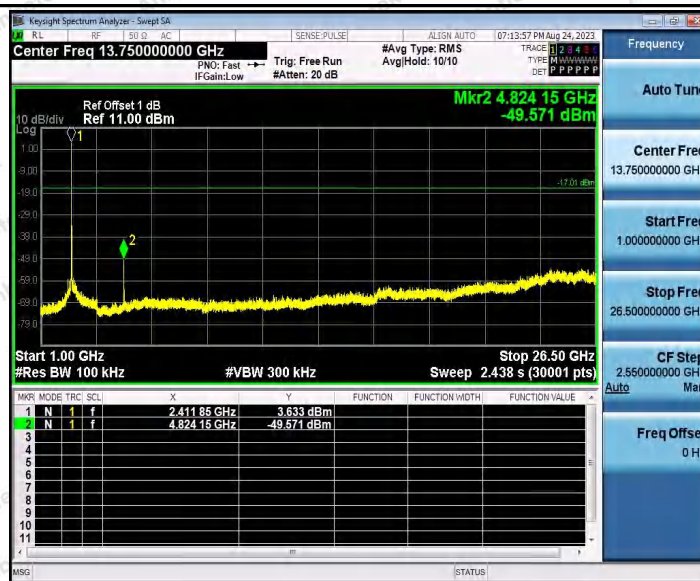
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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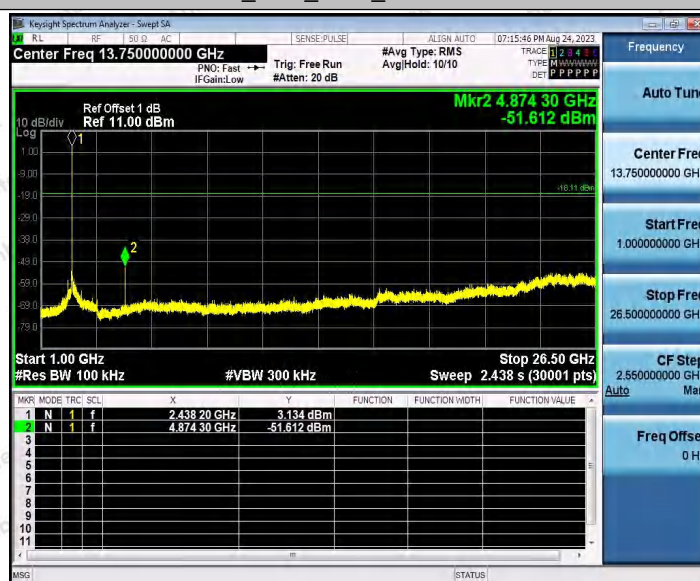
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

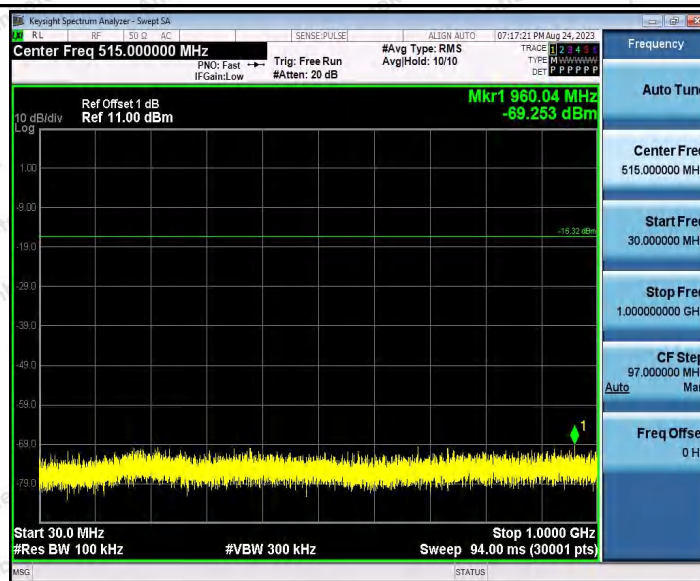
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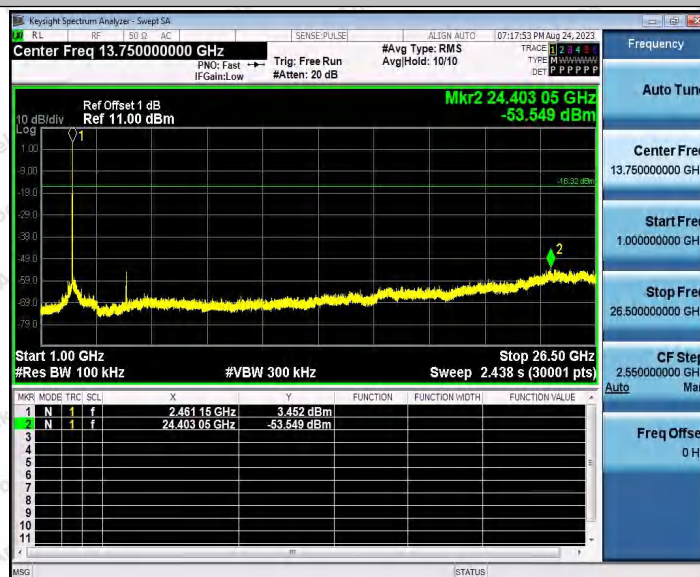


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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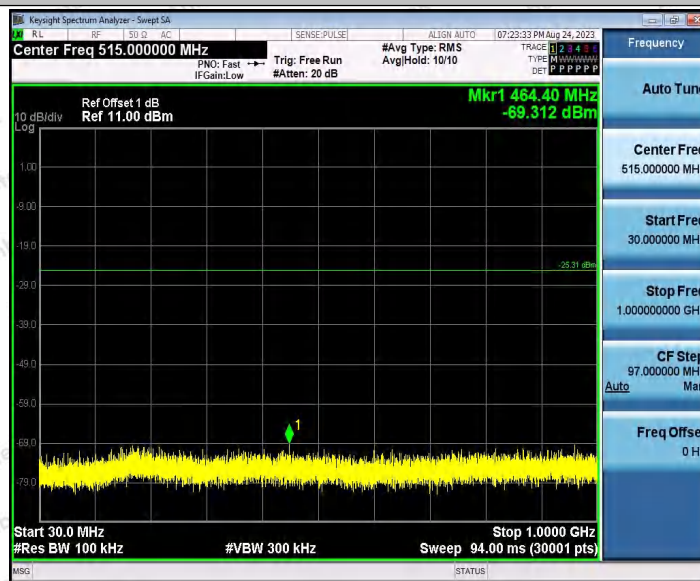
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

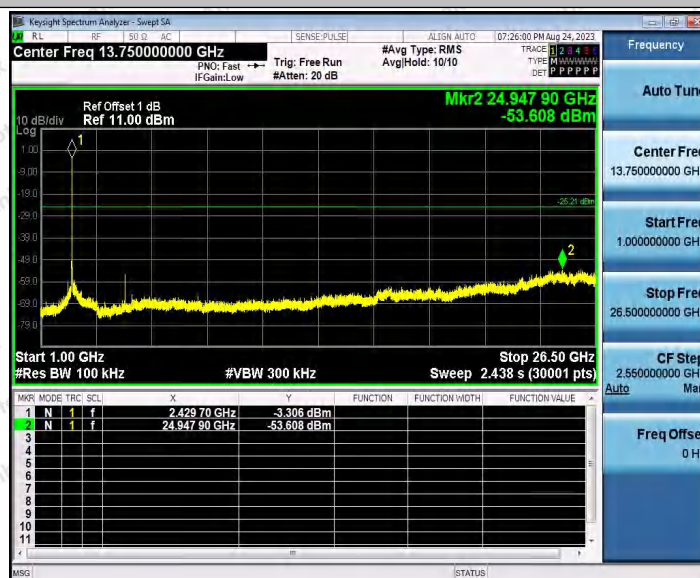
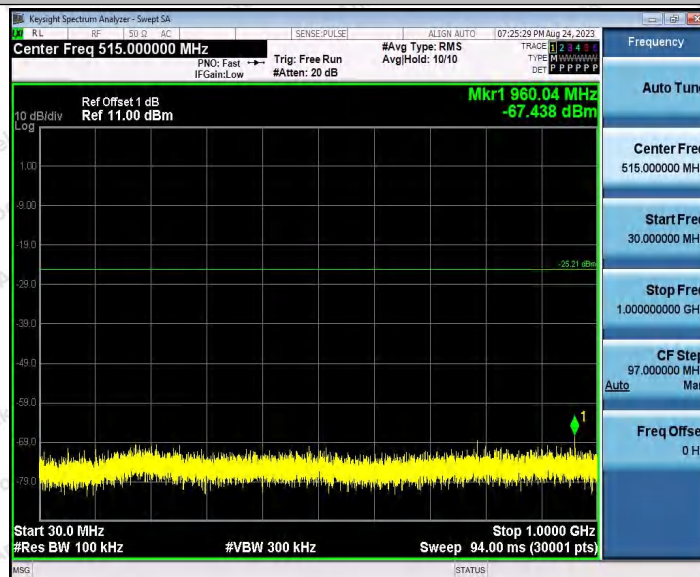
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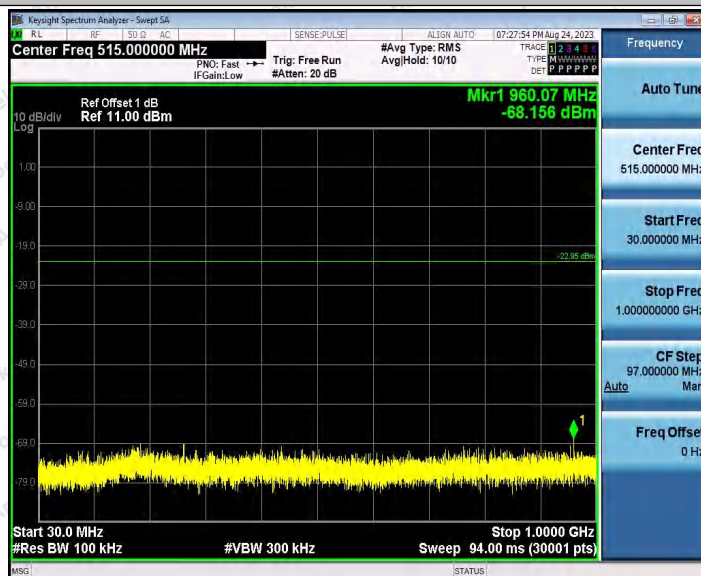
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

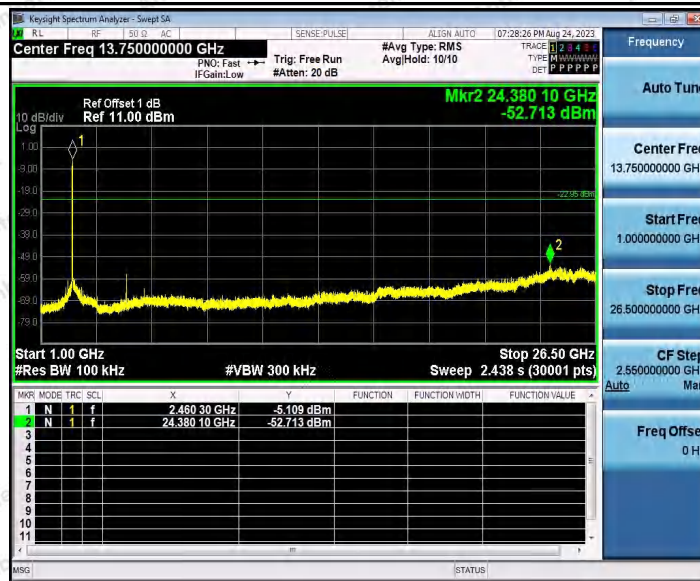
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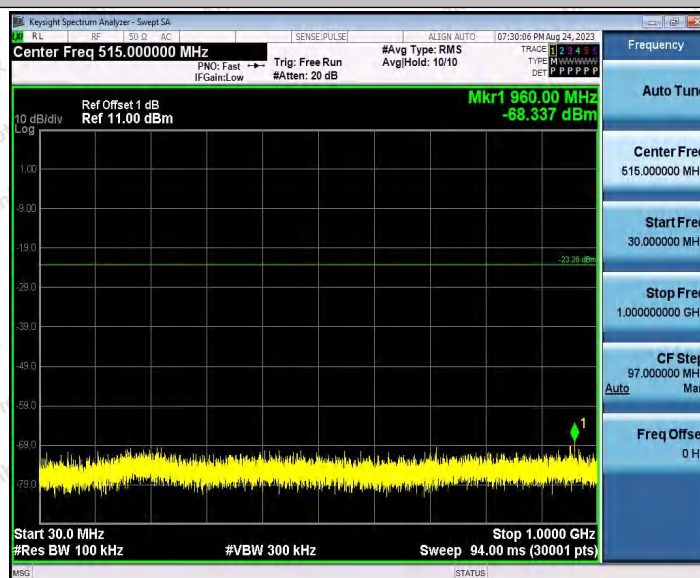




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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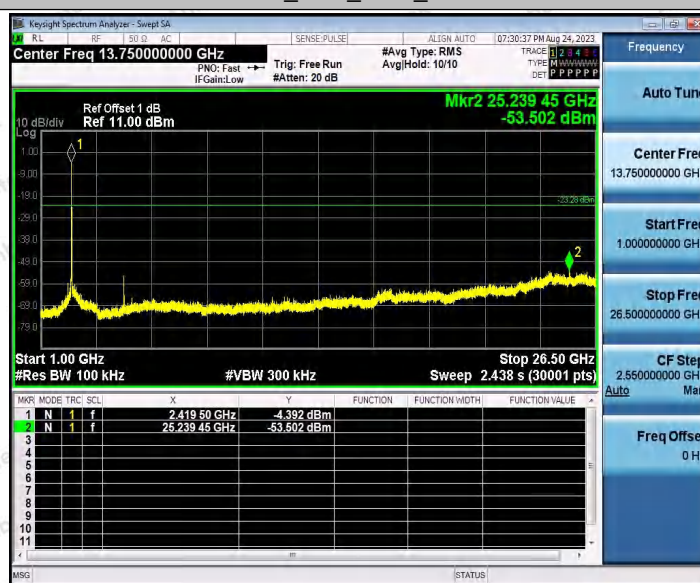
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

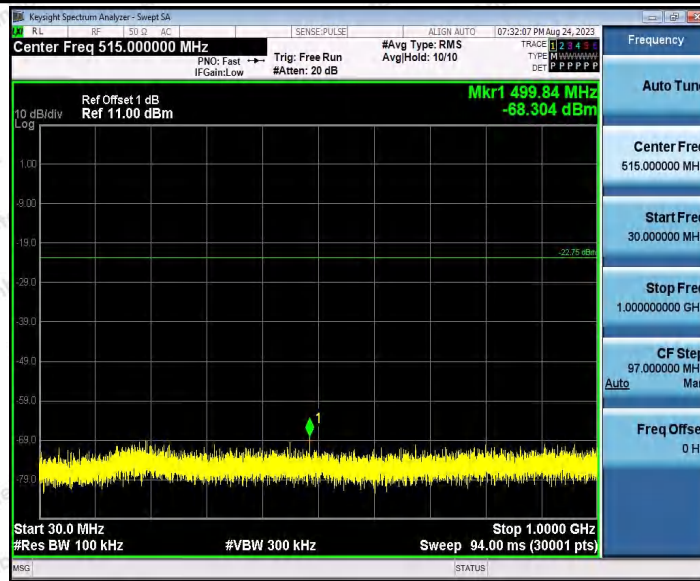
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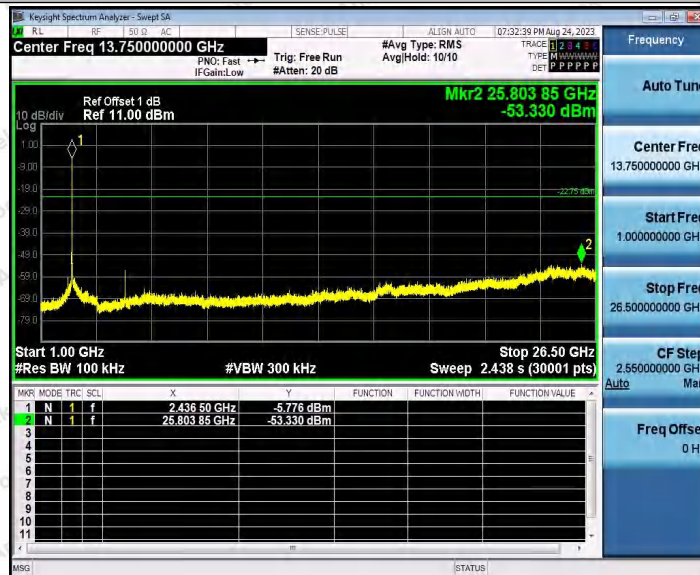


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



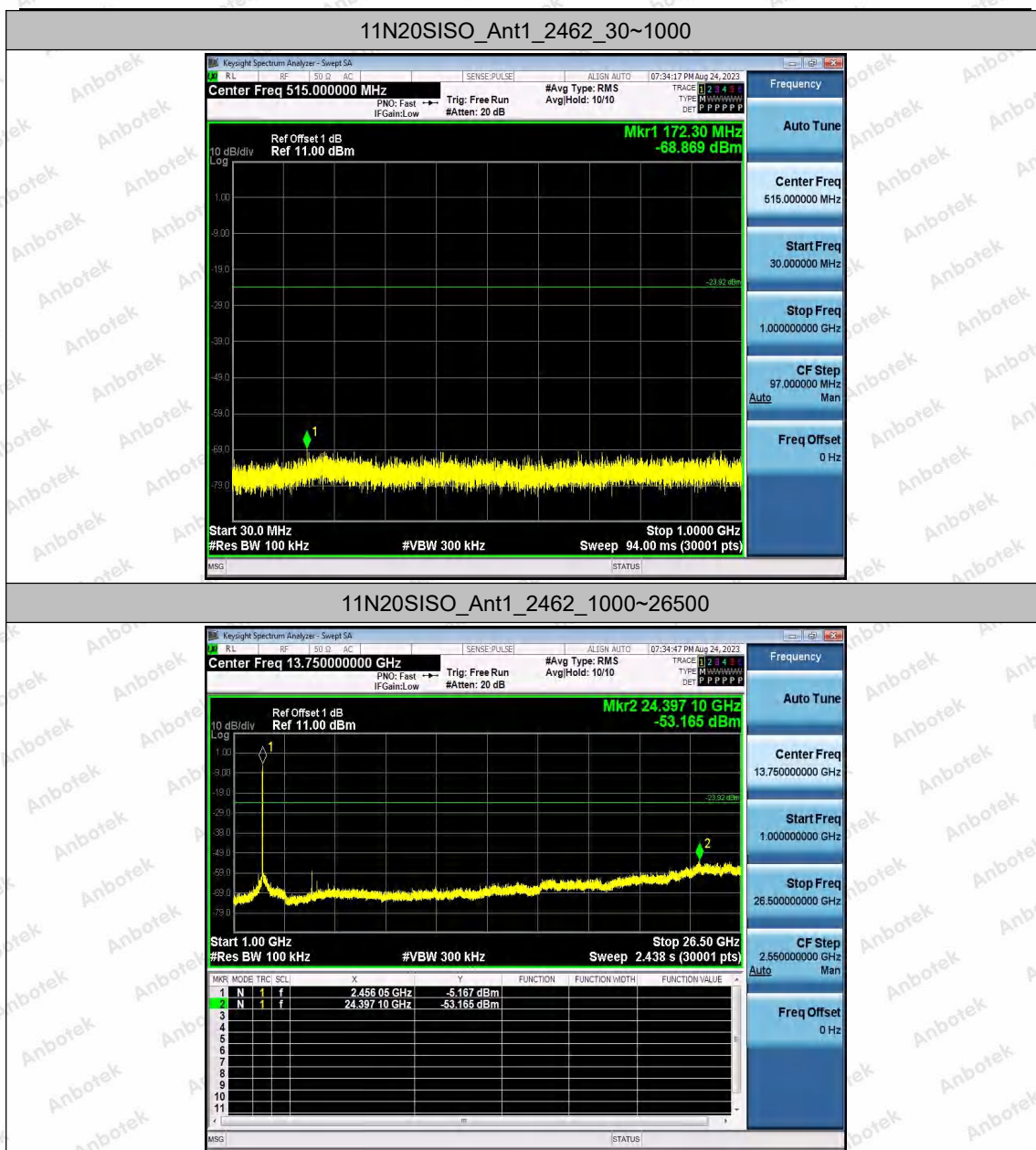
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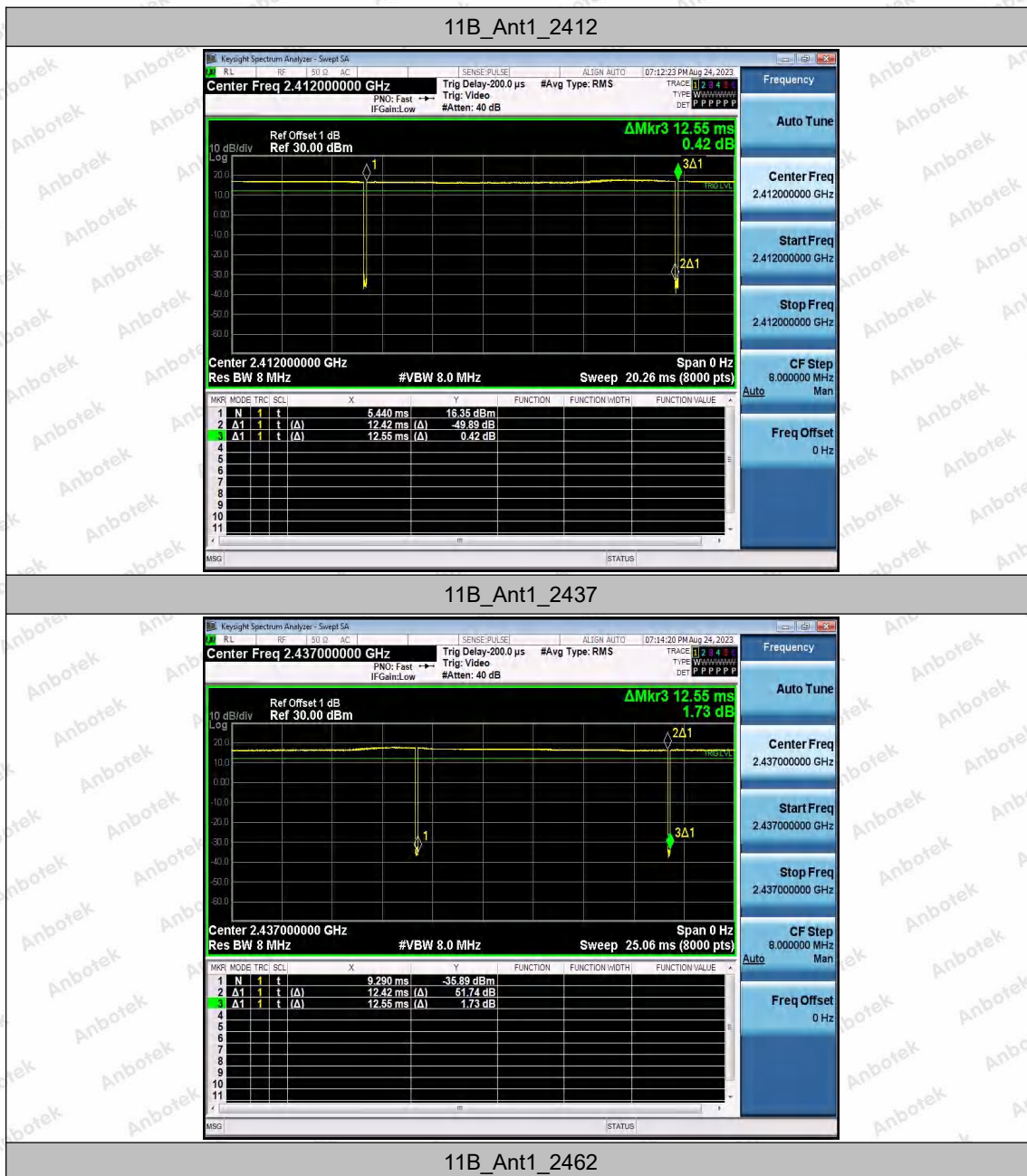
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.42	12.55	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.06	2.19	94.06	0.27
		2437	2.07	2.20	94.09	0.26
		2462	2.07	2.20	94.09	0.26
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28



Test Graphs



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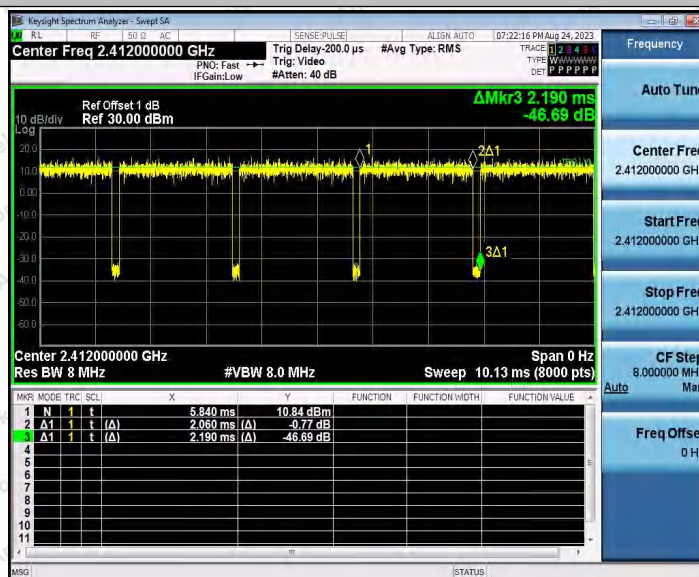


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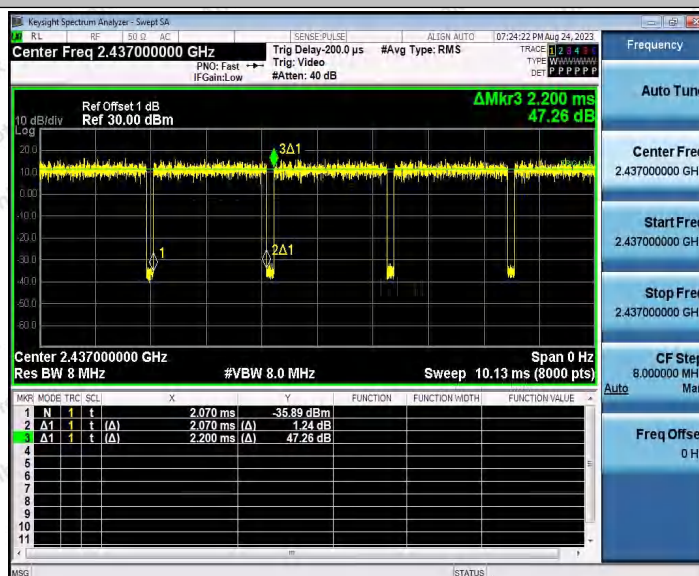




11G Ant1 2412



11G Ant1 2437



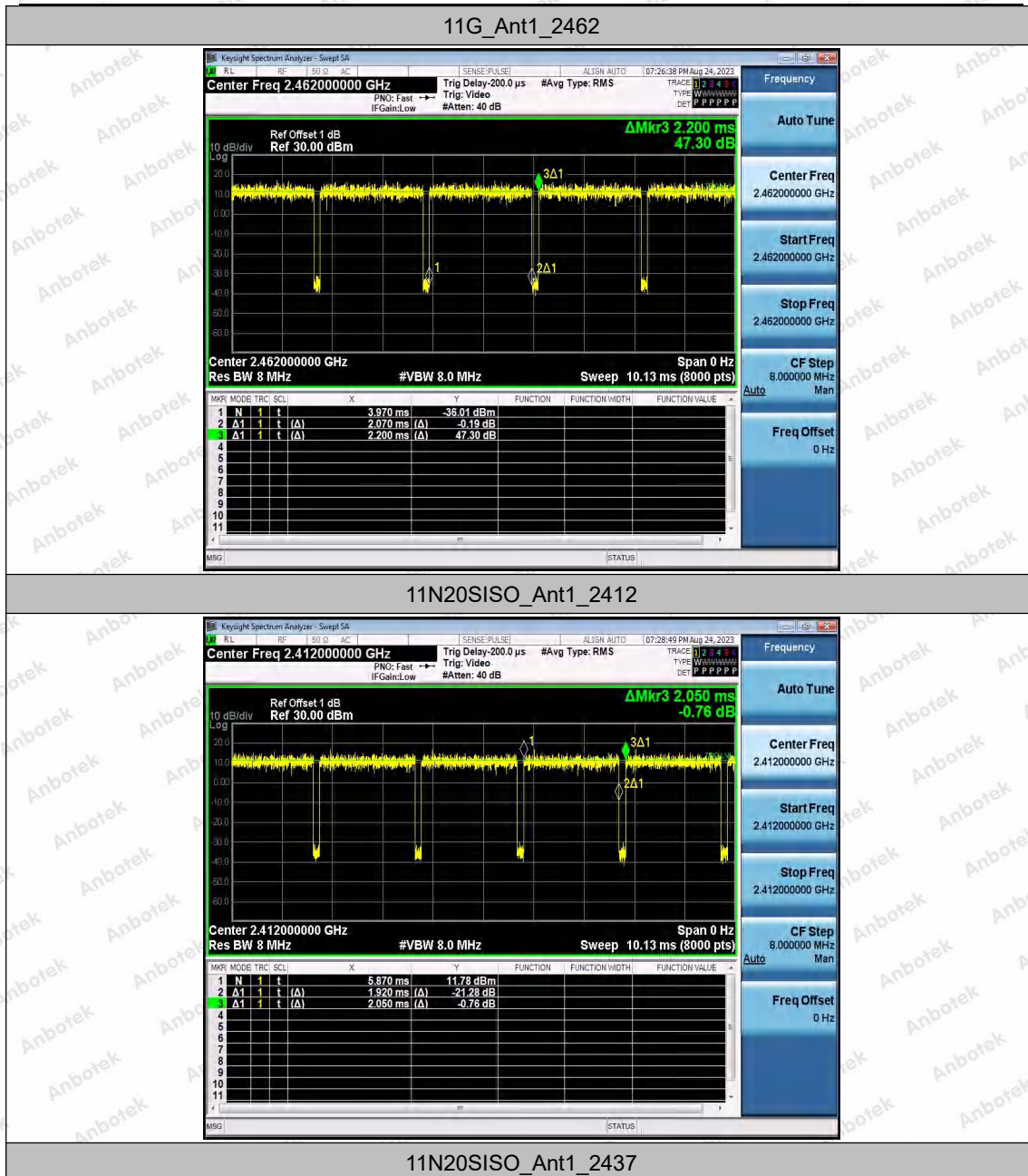
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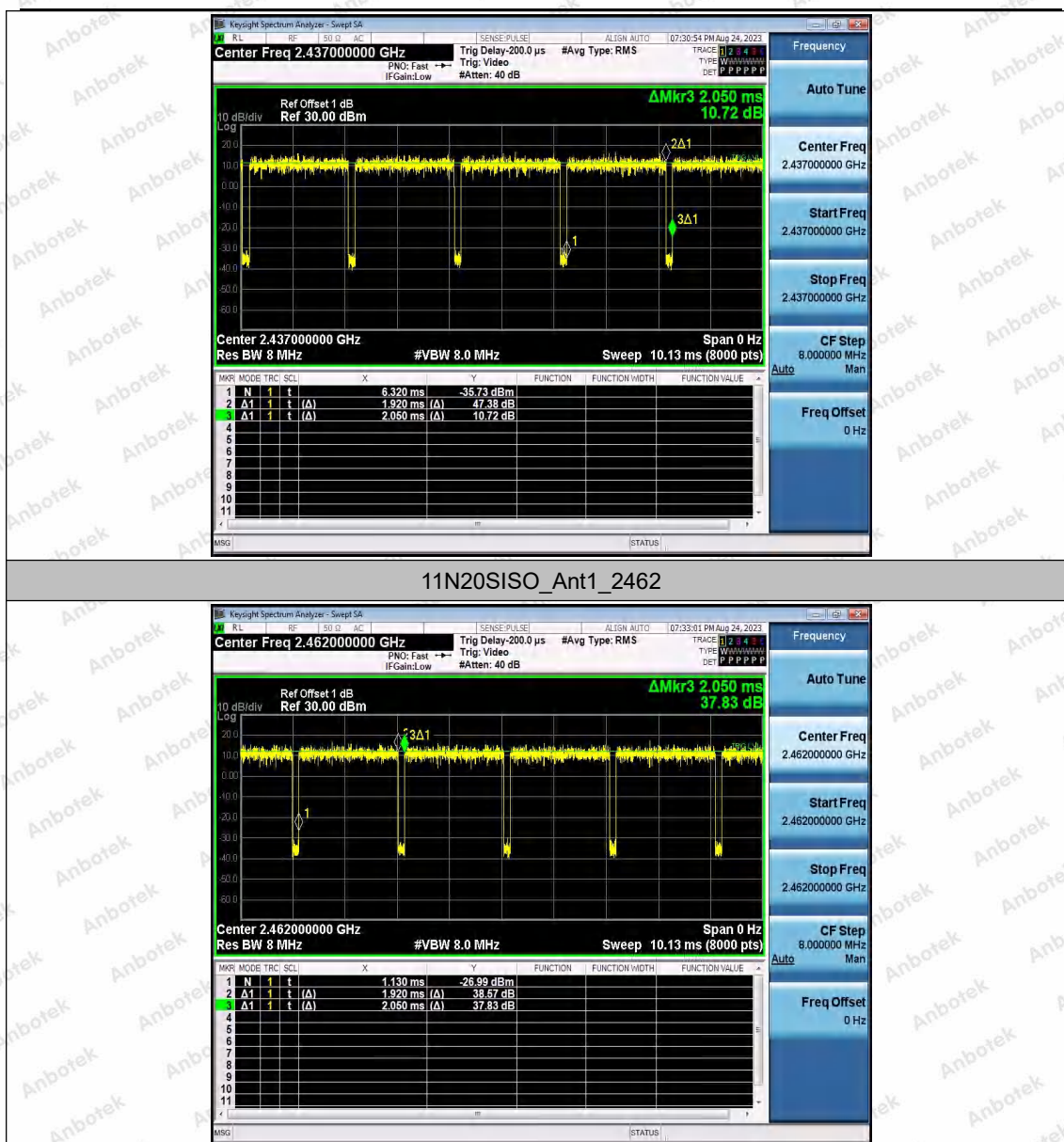
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