

Appendix Test Data

Report No.:	18220WC20246102	Test Sample No.:	1-2-2
Start Test Date:	2022.10.18	Finish Test Date:	2023.05.04
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	26.1℃	Relative Humidity:	43%
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	9.120	2407.400	2416.520	≥0.5	PASS
		2437	9.520	2432.440	2441.960	≥0.5	PASS
		2462	9.080	2457.440	2466.520	≥0.5	PASS
11G	Ant1	2412	16.320	2403.800	2420.120	≥0.5	PASS
		2437	16.240	2428.880	2445.120	≥0.5	PASS
		2462	16.320	2453.800	2470.120	≥0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.200	2420.120	≥0.5	PASS
		2437	17.560	2428.200	2445.760	≥0.5	PASS
		2462	17.600	2453.160	2470.760	≥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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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

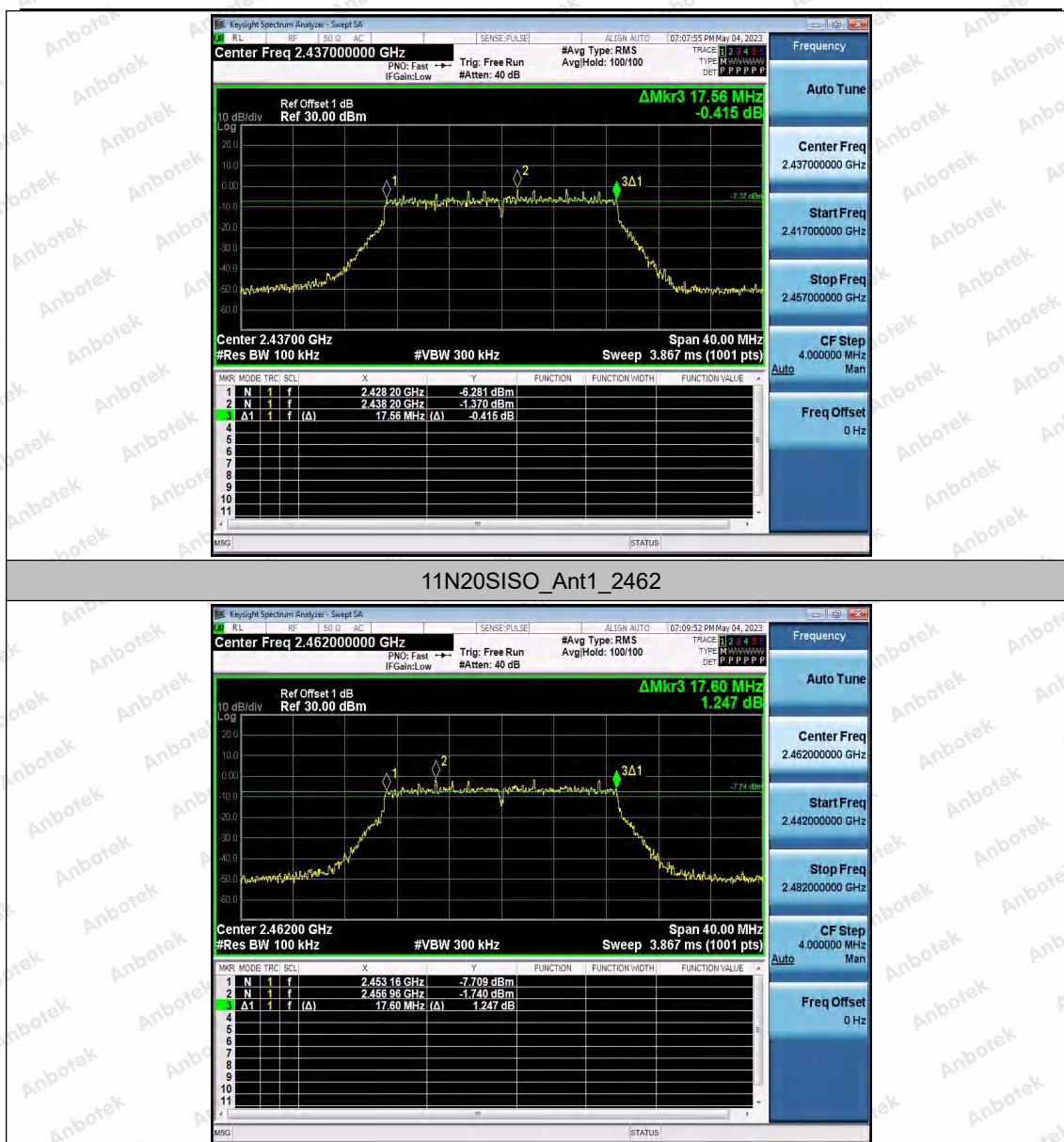
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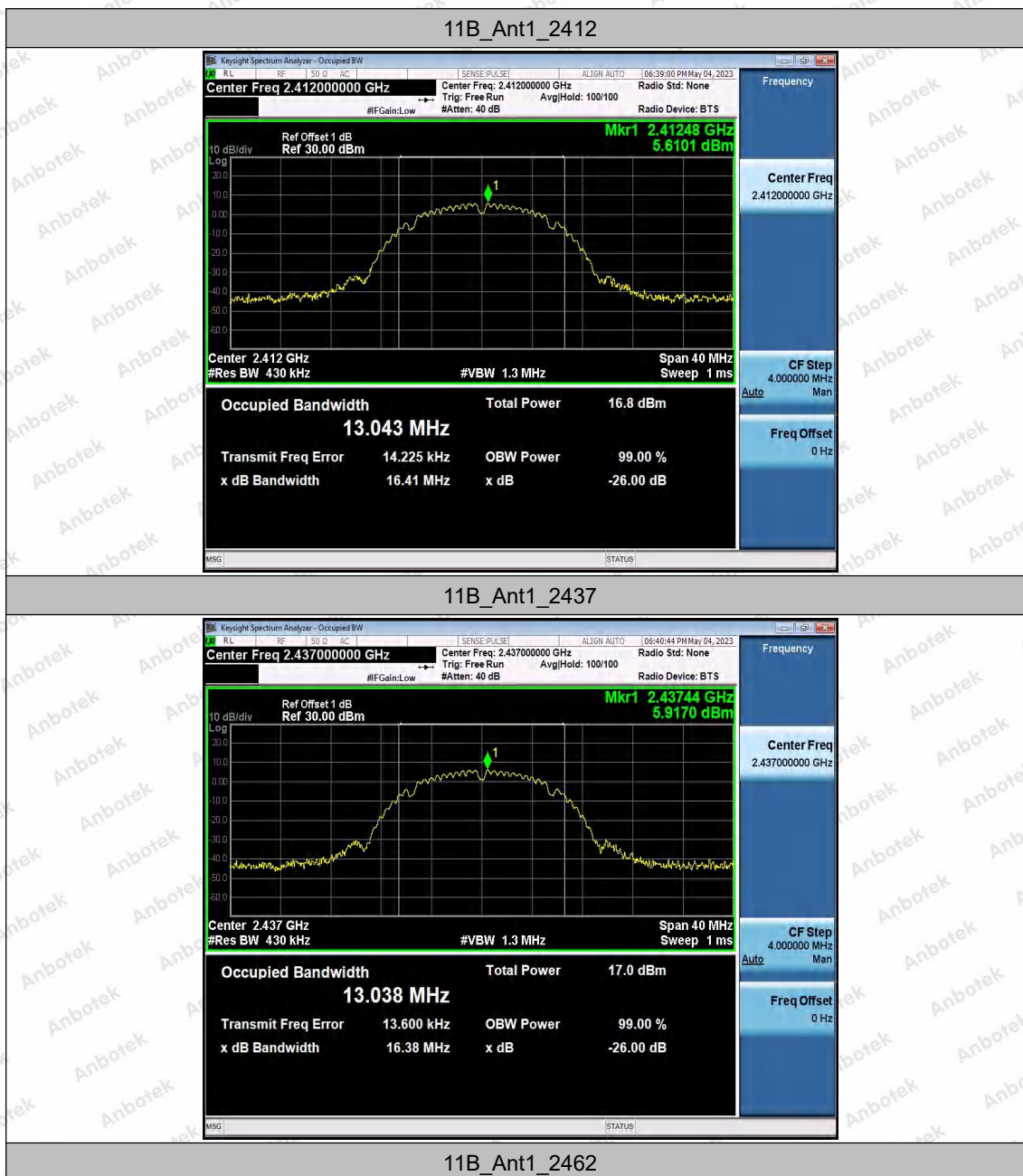
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.043	2405.4927	2418.5357	---	---
		2437	13.038	2430.4946	2443.5326	---	---
		2462	13.039	2455.4929	2468.5319	---	---
11G	Ant1	2412	17.324	2403.3805	2420.7045	---	---
		2437	17.240	2428.3526	2445.5926	---	---
		2462	17.249	2453.3669	2470.6159	---	---
11N20SISO	Ant1	2412	18.275	2402.8793	2421.1543	---	---
		2437	18.425	2427.7584	2446.1834	---	---
		2462	18.390	2452.8356	2471.2256	---	---



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



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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	16.82	≤30.00
		2437	17.13	≤30.00
		2462	17.79	≤30.00
11G	Ant1	2412	16.26	≤30.00
		2437	16.29	≤30.00
		2462	16.28	≤30.00
11N20SISO	Ant1	2412	16.15	≤30.00
		2437	16.31	≤30.00
		2462	16.27	≤30.00



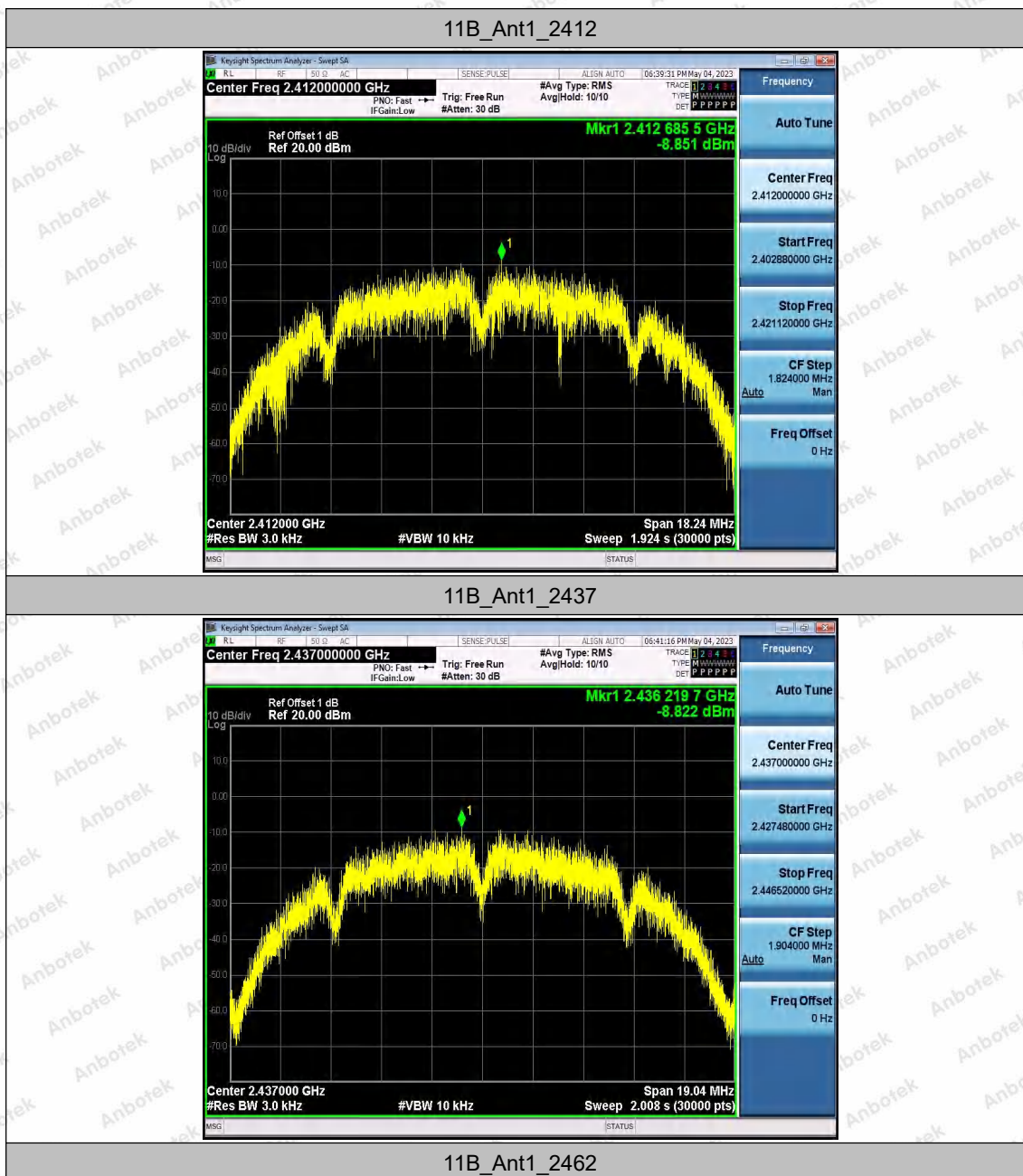
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.85	≤8.00	PASS
		2437	-8.82	≤8.00	PASS
		2462	-8	≤8.00	PASS
11G	Ant1	2412	-16.4	≤8.00	PASS
		2437	-16.06	≤8.00	PASS
		2462	-16.13	≤8.00	PASS
11N20SISO	Ant1	2412	-16.16	≤8.00	PASS
		2437	-15.47	≤8.00	PASS
		2462	-16.11	≤8.00	PASS



Test Graphs



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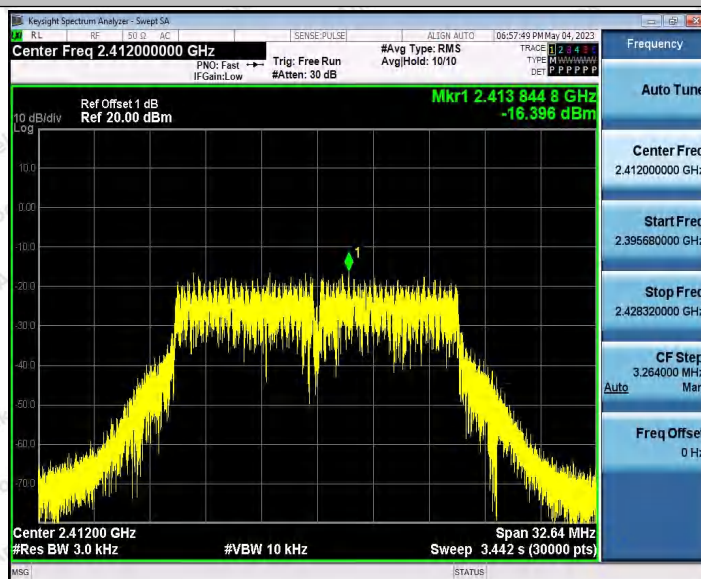


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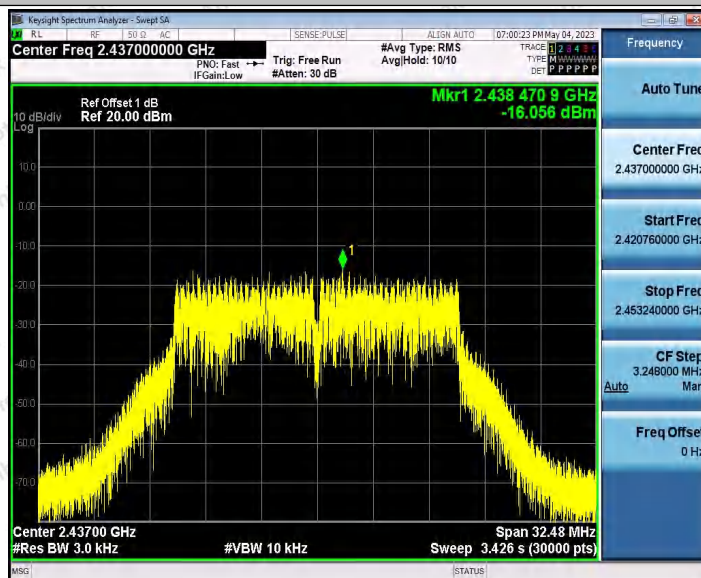




11G_Ant1_2412



11G_Ant1_2437

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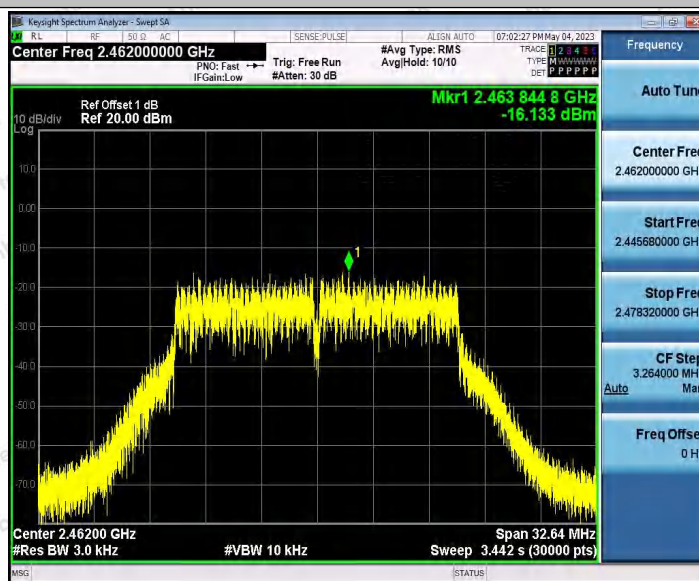
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

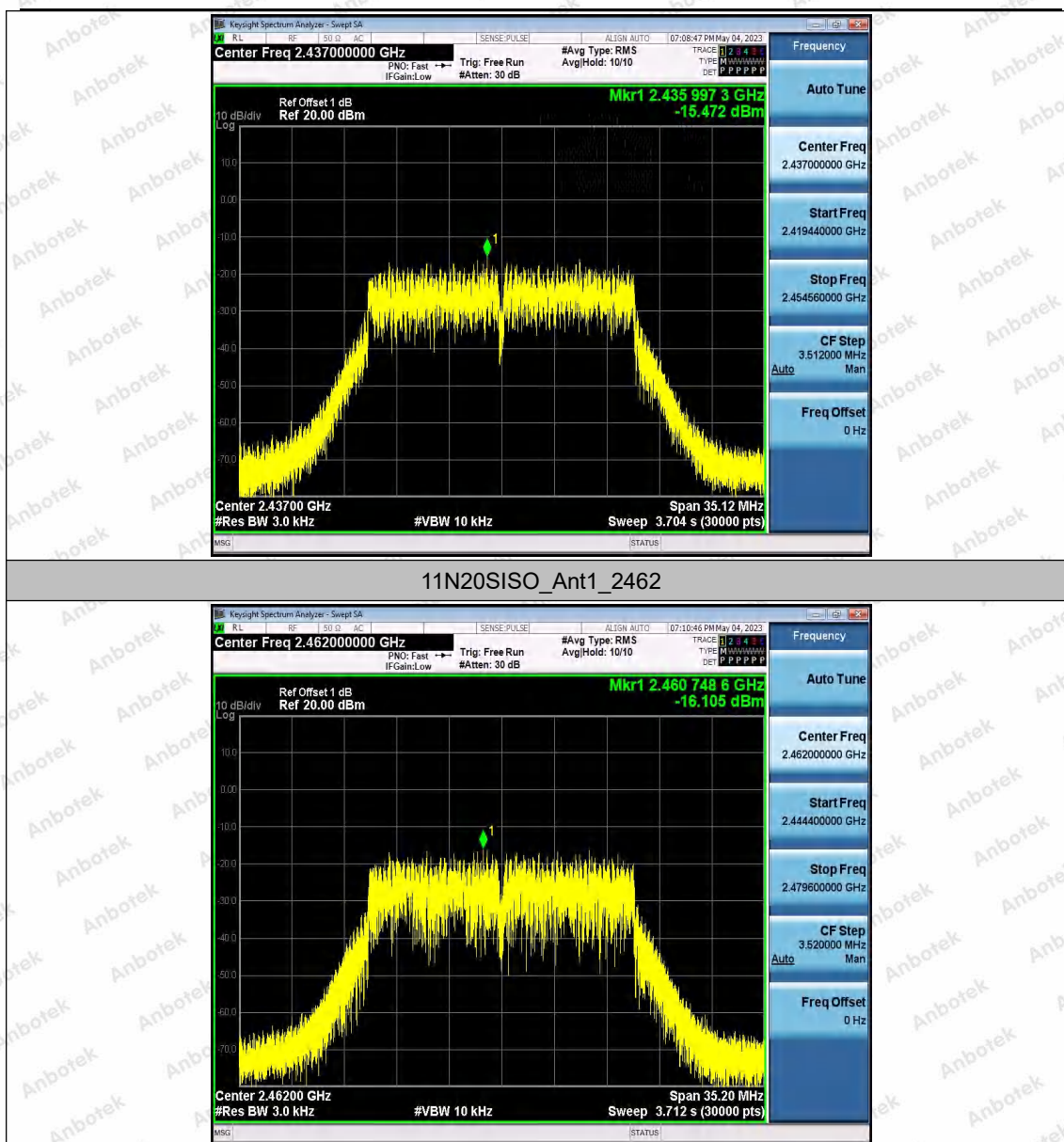
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Appendix E: Band edge measurements

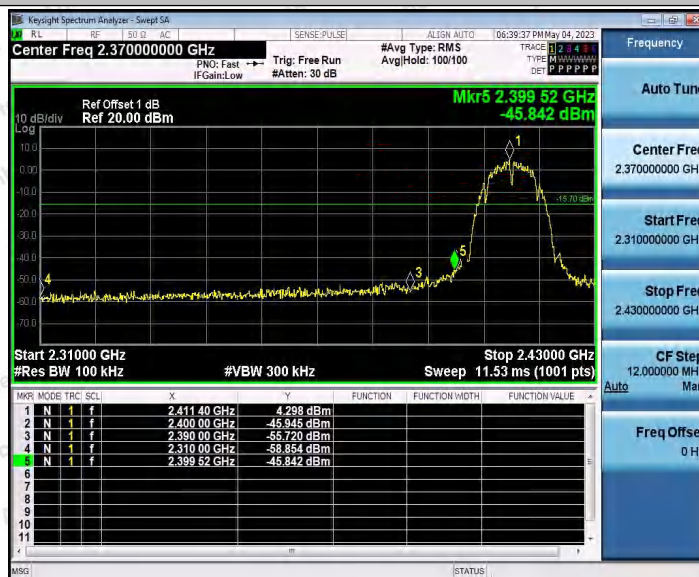
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.30	-45.84	≤-15.7	PASS
		High	2462	4.94	-48.87	≤-15.06	PASS
11G	Ant1	Low	2412	-2.19	-40.24	≤-22.19	PASS
		High	2462	-0.99	-53.95	≤-20.99	PASS
11N20SISO	Ant1	Low	2412	-1.17	-40.51	≤-21.17	PASS
		High	2462	-1.56	-52.09	≤-21.56	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

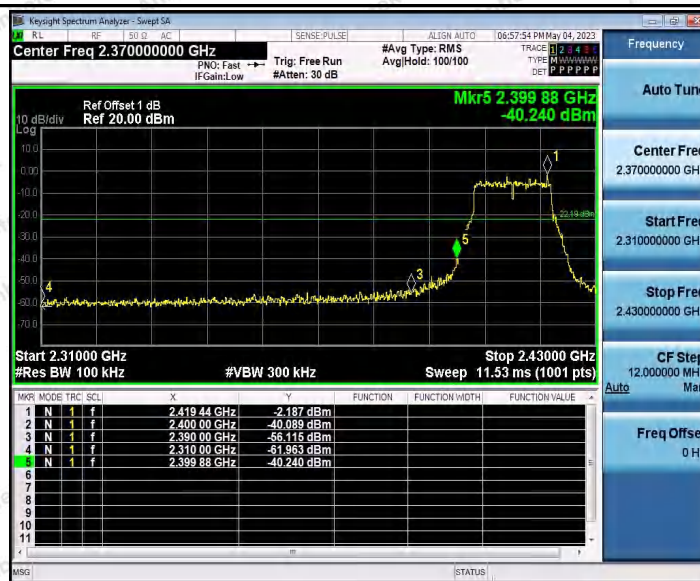
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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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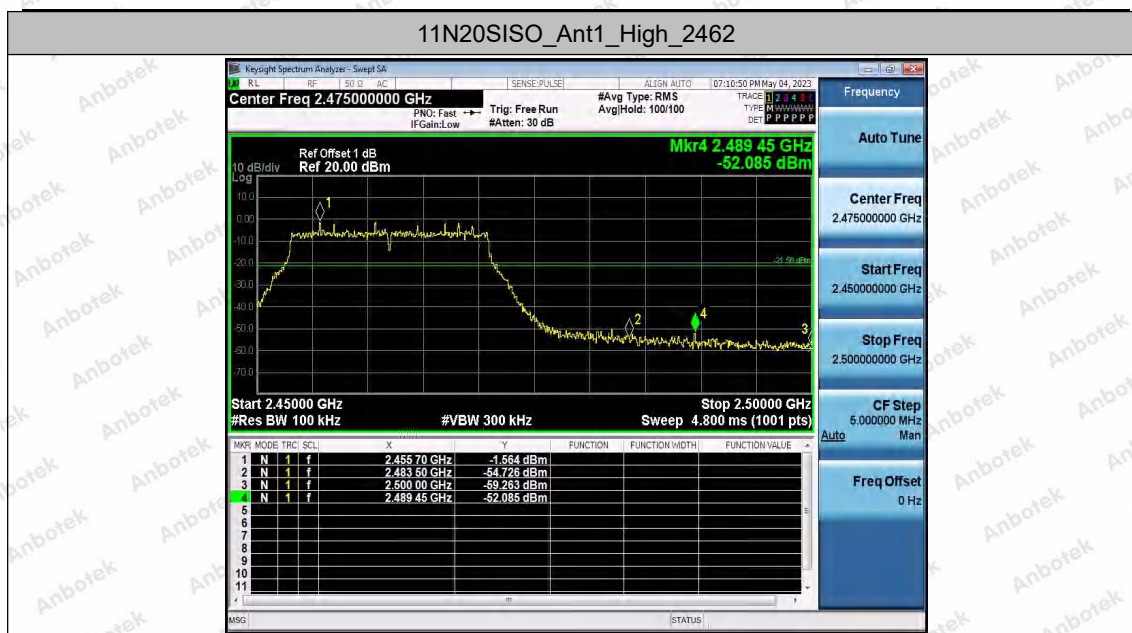


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-68.69	≤-16.24	PASS
			1000~26500	3.76	-50.93	≤-16.24	PASS
		2437	Reference	4.79	4.79	---	PASS
			30~1000	4.79	-68.97	≤-15.21	PASS
			1000~26500	4.79	-51.95	≤-15.21	PASS
		2462	Reference	3.94	3.94	---	PASS
			30~1000	3.94	-68.7	≤-16.06	PASS
			1000~26500	3.94	-53.32	≤-16.06	PASS
11G	Ant1	2412	Reference	-1.24	-1.24	---	PASS
			30~1000	-1.24	-67.61	≤-21.24	PASS
			1000~26500	-1.24	-53.45	≤-21.24	PASS
		2437	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-68.81	≤-22	PASS
			1000~26500	-2.00	-41.7	≤-22	PASS
		2462	Reference	-5.12	-5.12	---	PASS
			30~1000	-5.12	-68.74	≤-25.12	PASS
			1000~26500	-5.12	-52.81	≤-25.12	PASS
11N20SISO	Ant1	2412	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-68.54	≤-25.4	PASS
			1000~26500	-5.40	-53.36	≤-25.4	PASS
		2437	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-68.42	≤-22.37	PASS
			1000~26500	-2.37	-52.12	≤-22.37	PASS
		2462	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-68.54	≤-23.45	PASS
			1000~26500	-3.45	-52.79	≤-23.45	PASS

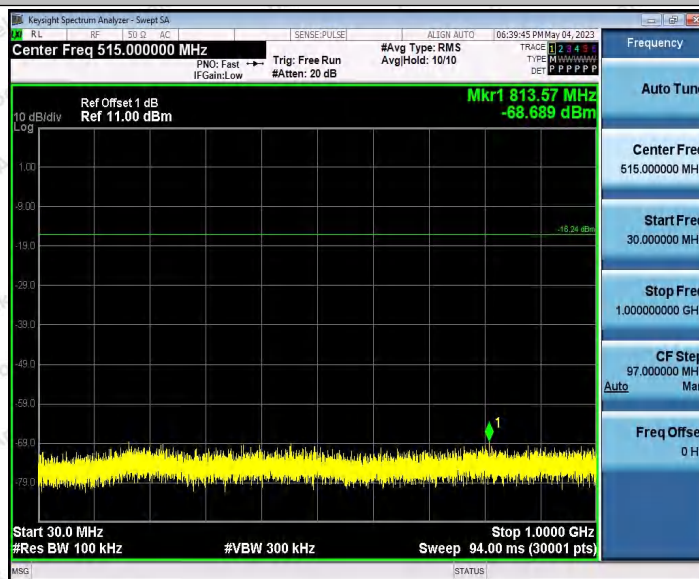


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

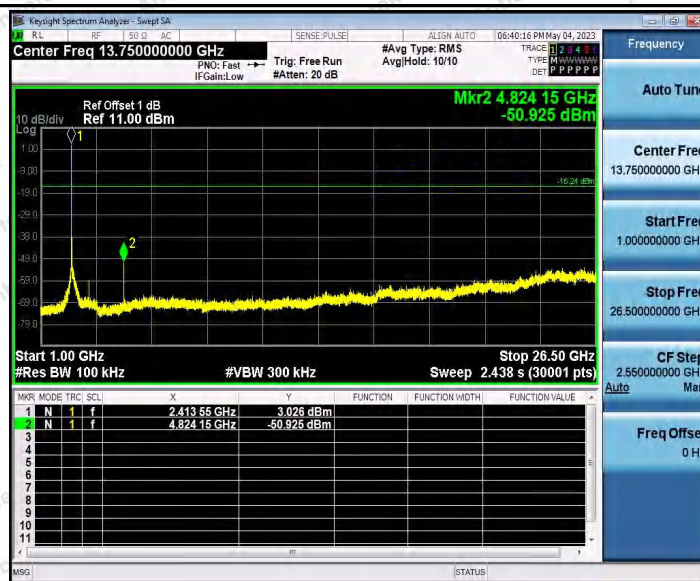
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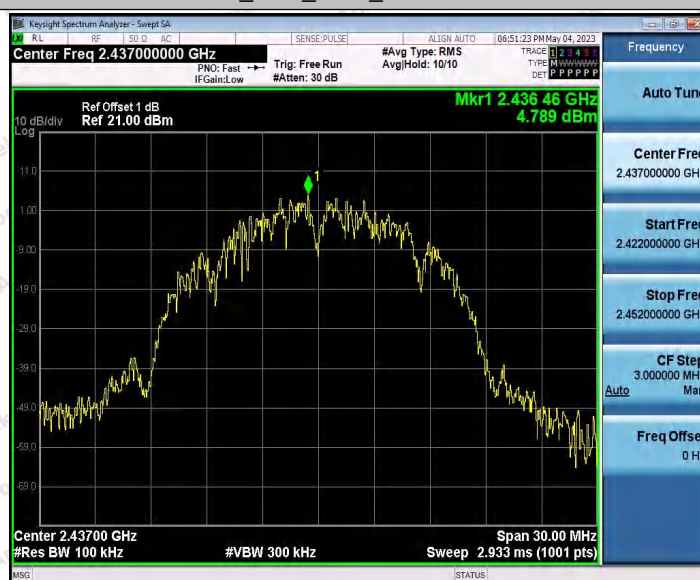


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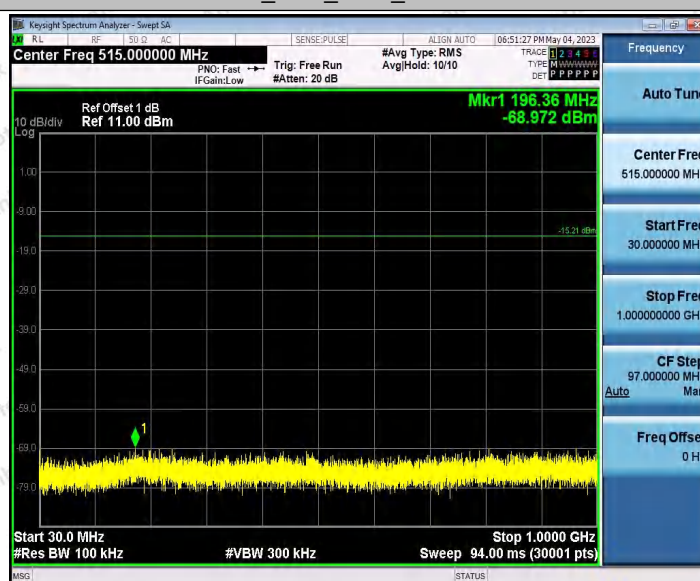




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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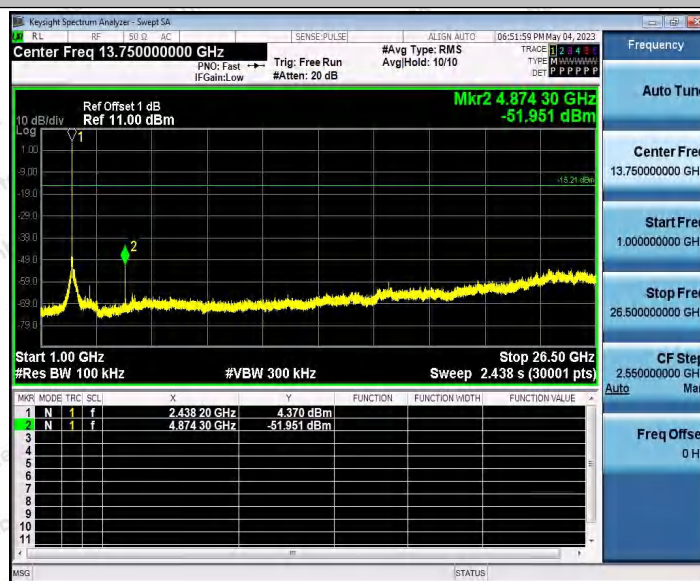
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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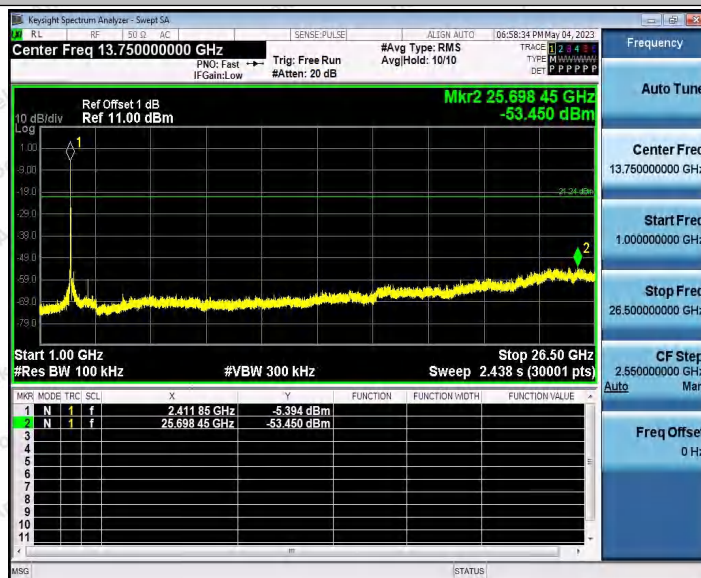
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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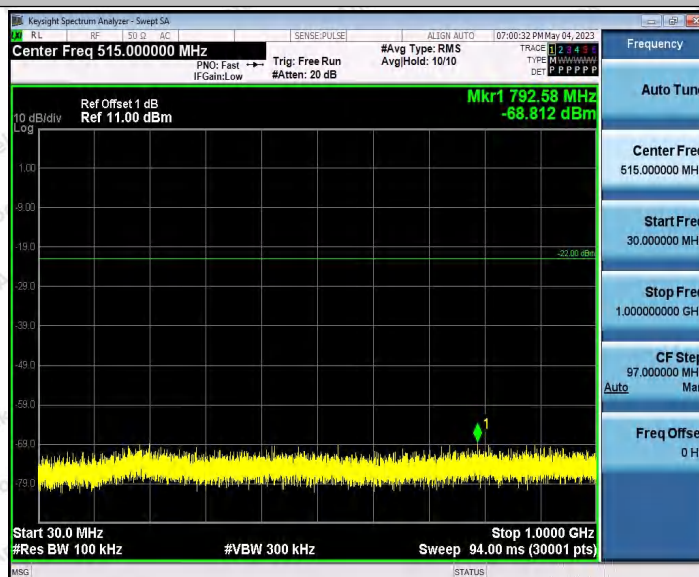


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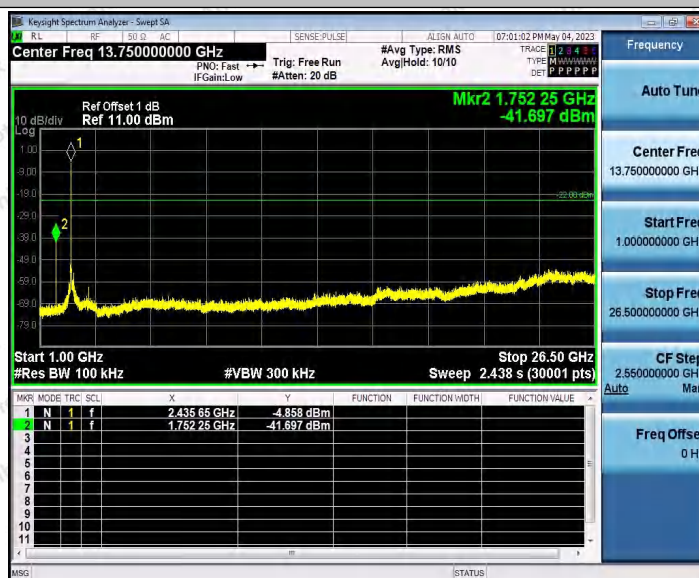




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

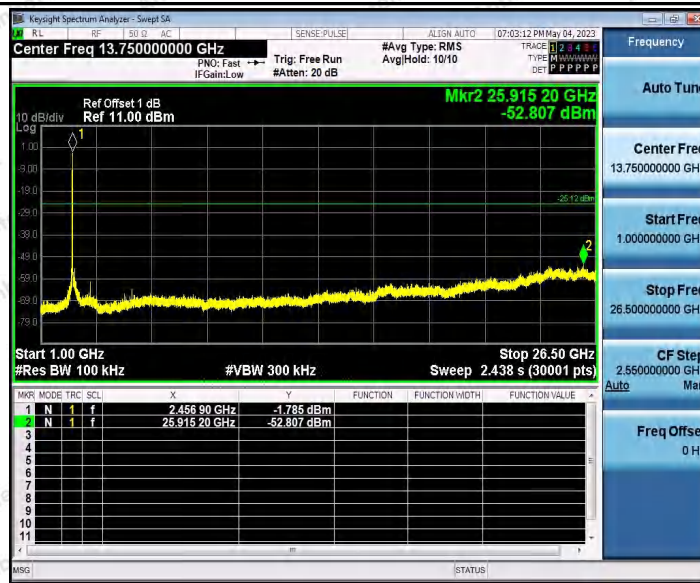
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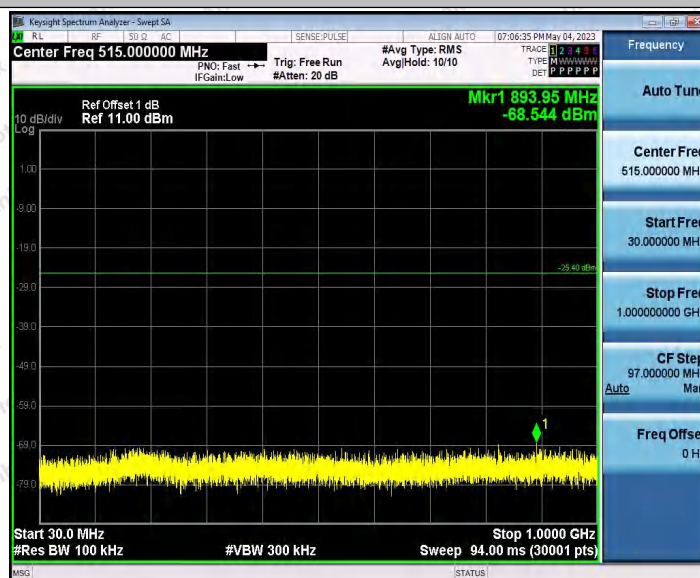




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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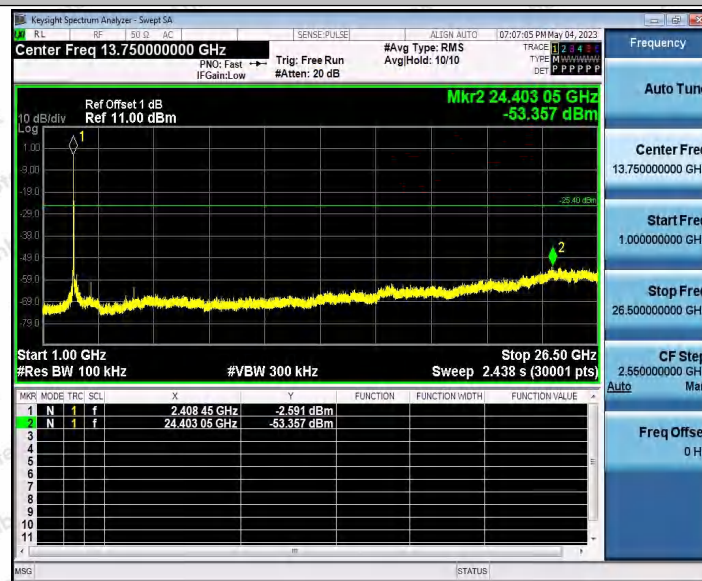
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

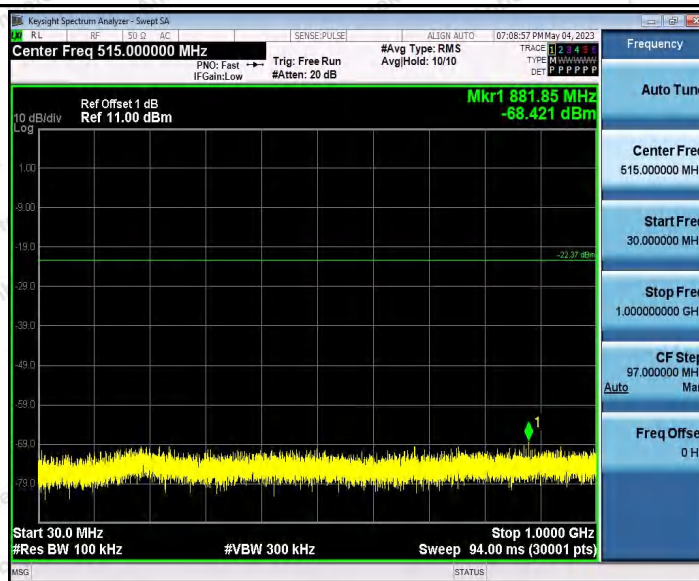
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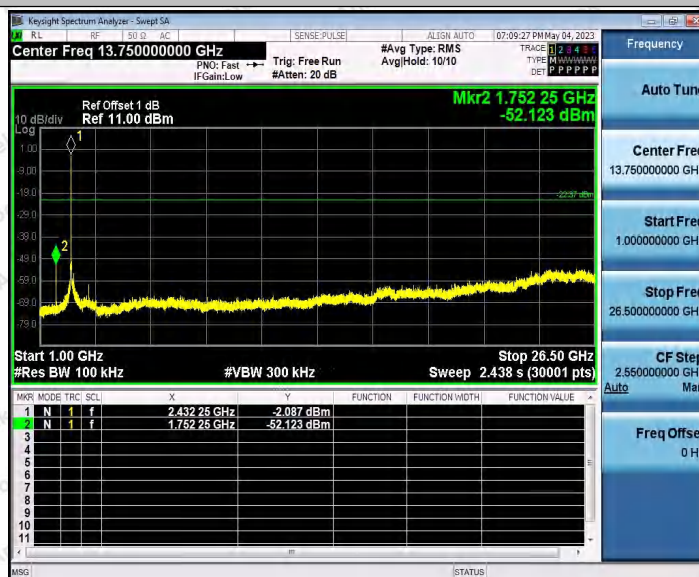


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



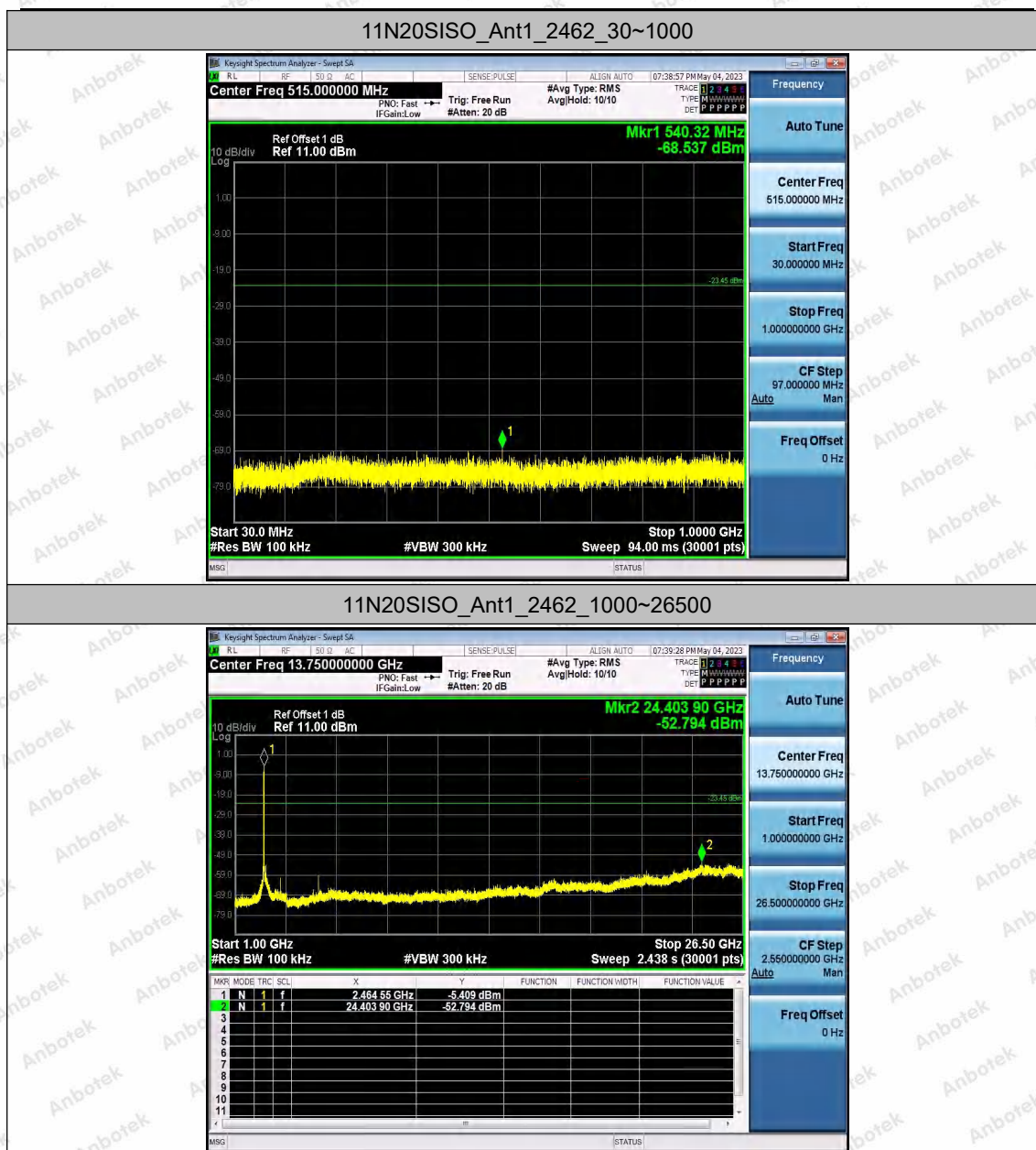
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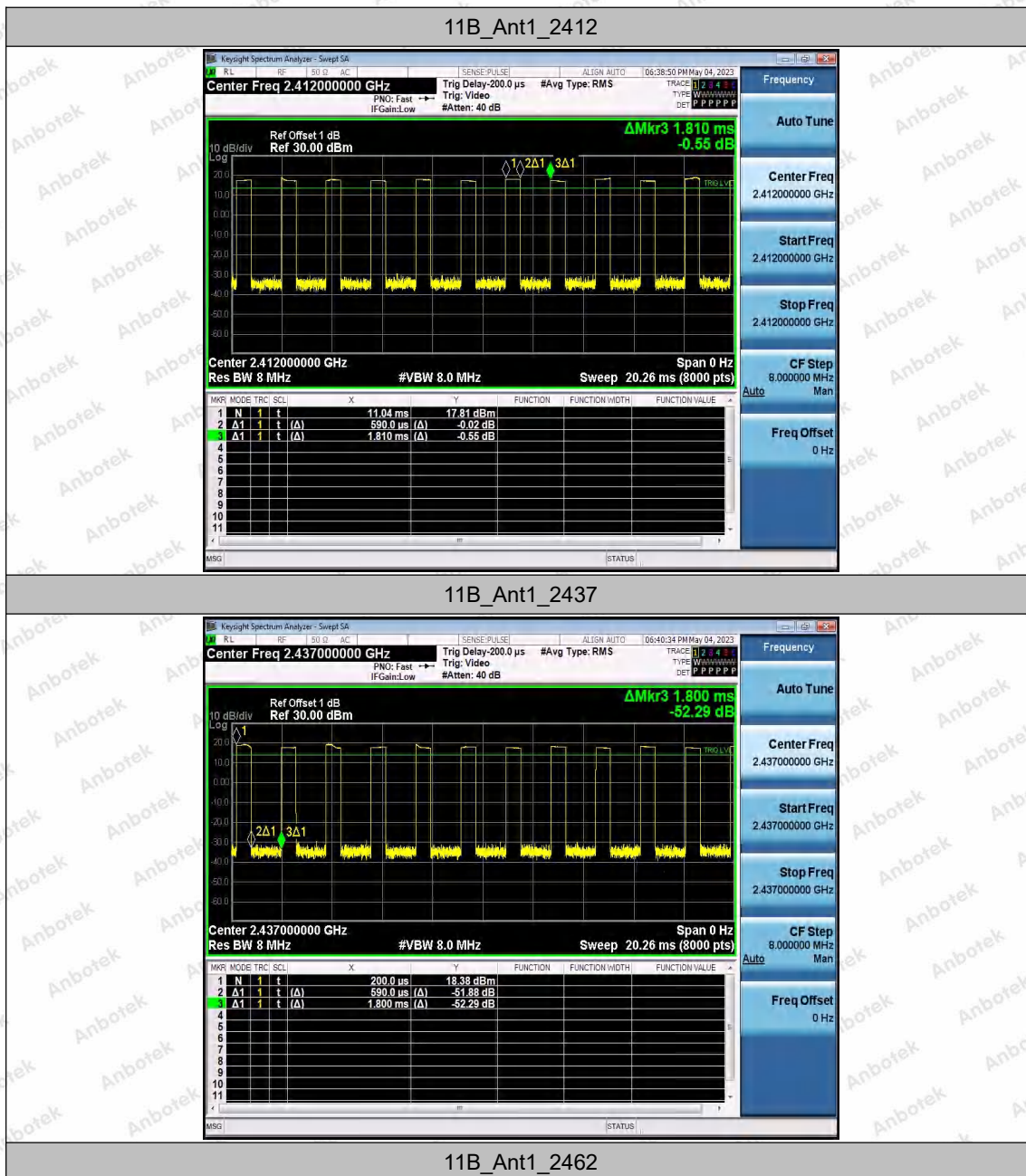
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.59	1.81	32.60	4.87
		2437	0.59	1.80	32.78	4.84
		2462	0.59	1.81	32.60	4.87
11G	Ant1	2412	0.58	1.80	32.22	4.92
		2437	0.59	1.80	32.78	4.84
		2462	0.59	1.80	32.78	4.84
11N20SISO	Ant1	2412	0.56	1.77	31.64	5.00
		2437	0.56	1.78	31.46	5.02
		2462	0.56	1.78	31.46	5.02



Test Graphs



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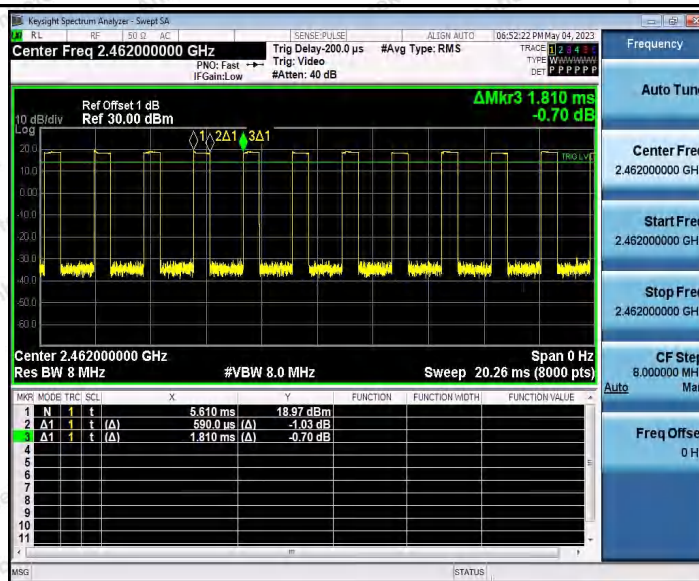


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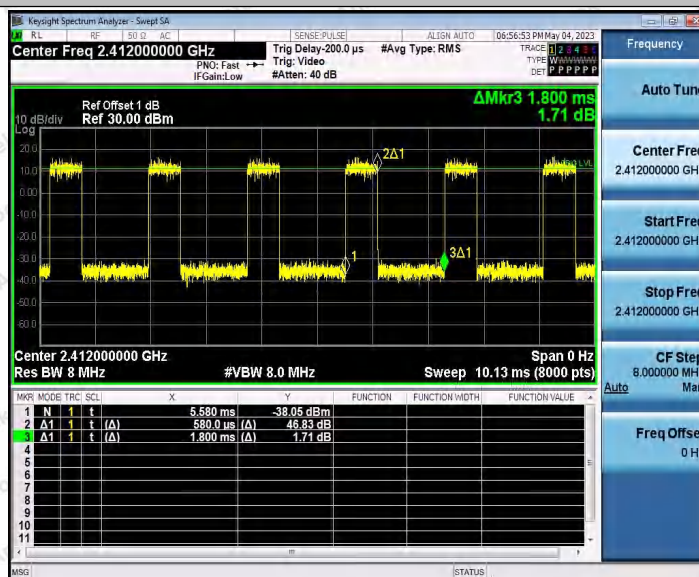
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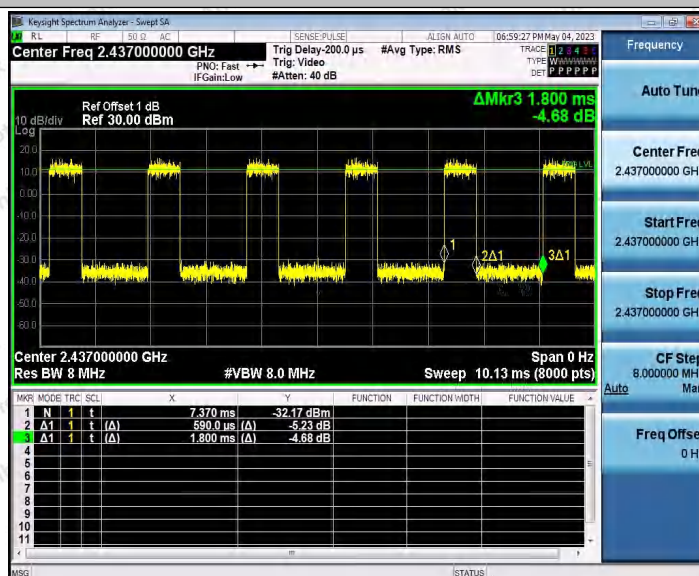




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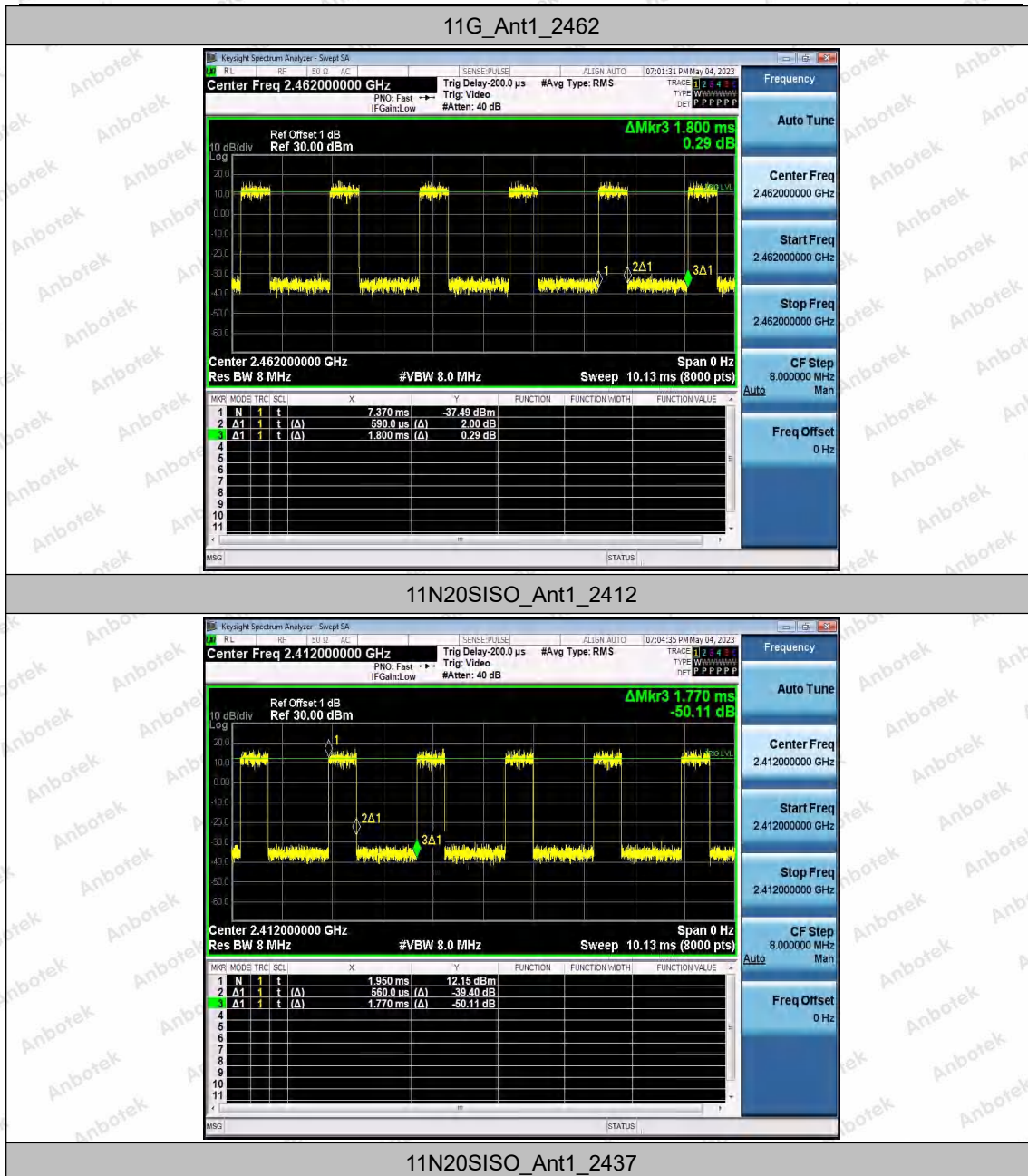


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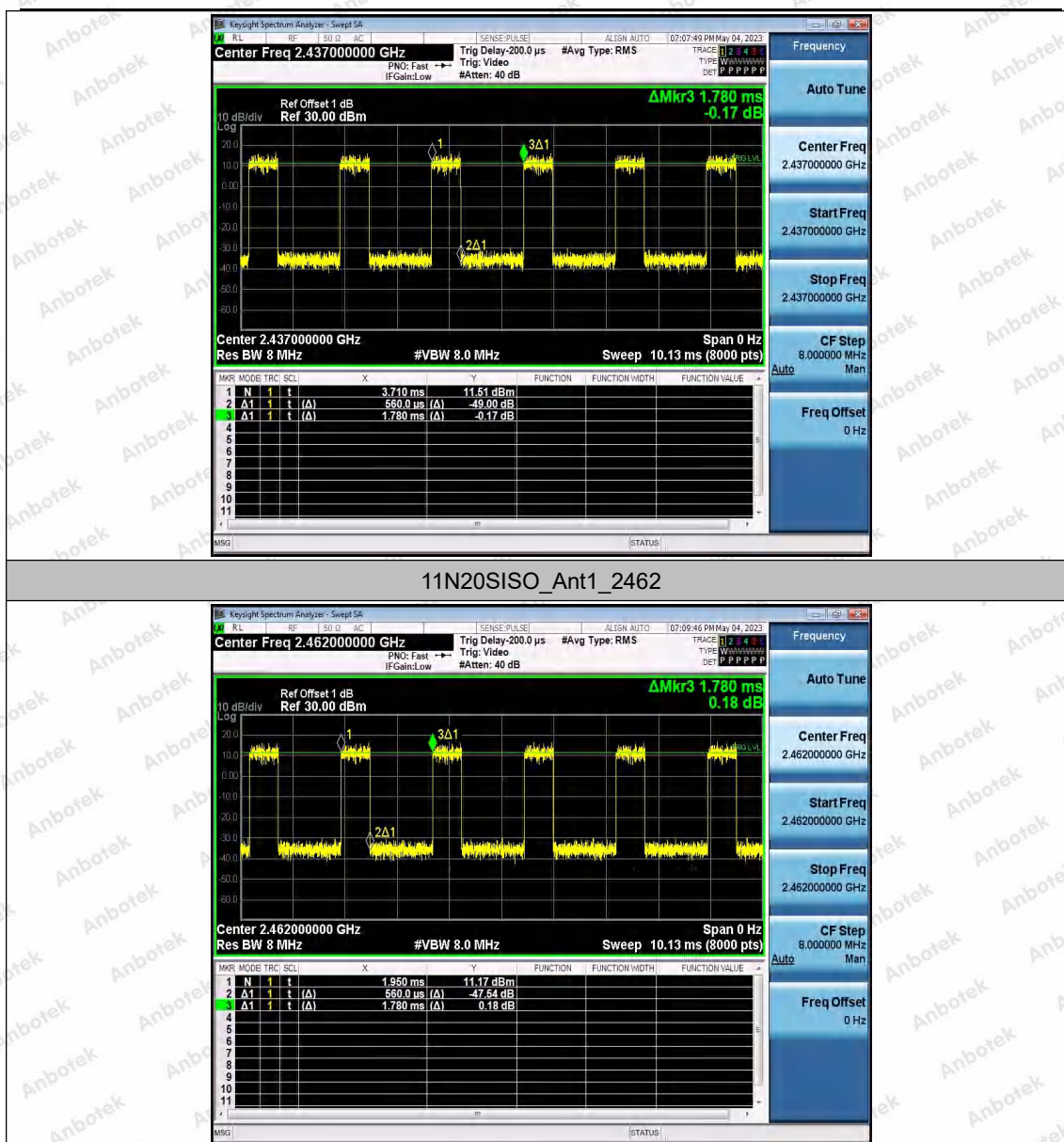


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