

Appendix Test Data

Report No.:	18220WC30143902	Test Sample No.:	1-2-2
Start Test Date:	2023.07.12	Finish Test Date:	2023.07.17
Test Engineer:	Rock Luo	Auditor:	Edward Pan
Temperature:	25.1℃	Relative Humidity:	52%
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	2407.440	2416.520	≥0.5	PASS
		2437	9.000	2432.480	2441.480	≥0.5	PASS
		2462	9.080	2457.400	2466.480	≥0.5	PASS
11G	Ant1	2412	16.320	2403.800	2420.120	≥0.5	PASS
		2437	16.320	2428.800	2445.120	≥0.5	PASS
		2462	16.320	2453.800	2470.120	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	≥0.5	PASS
		2437	17.320	2428.400	2445.720	≥0.5	PASS
		2462	17.560	2453.200	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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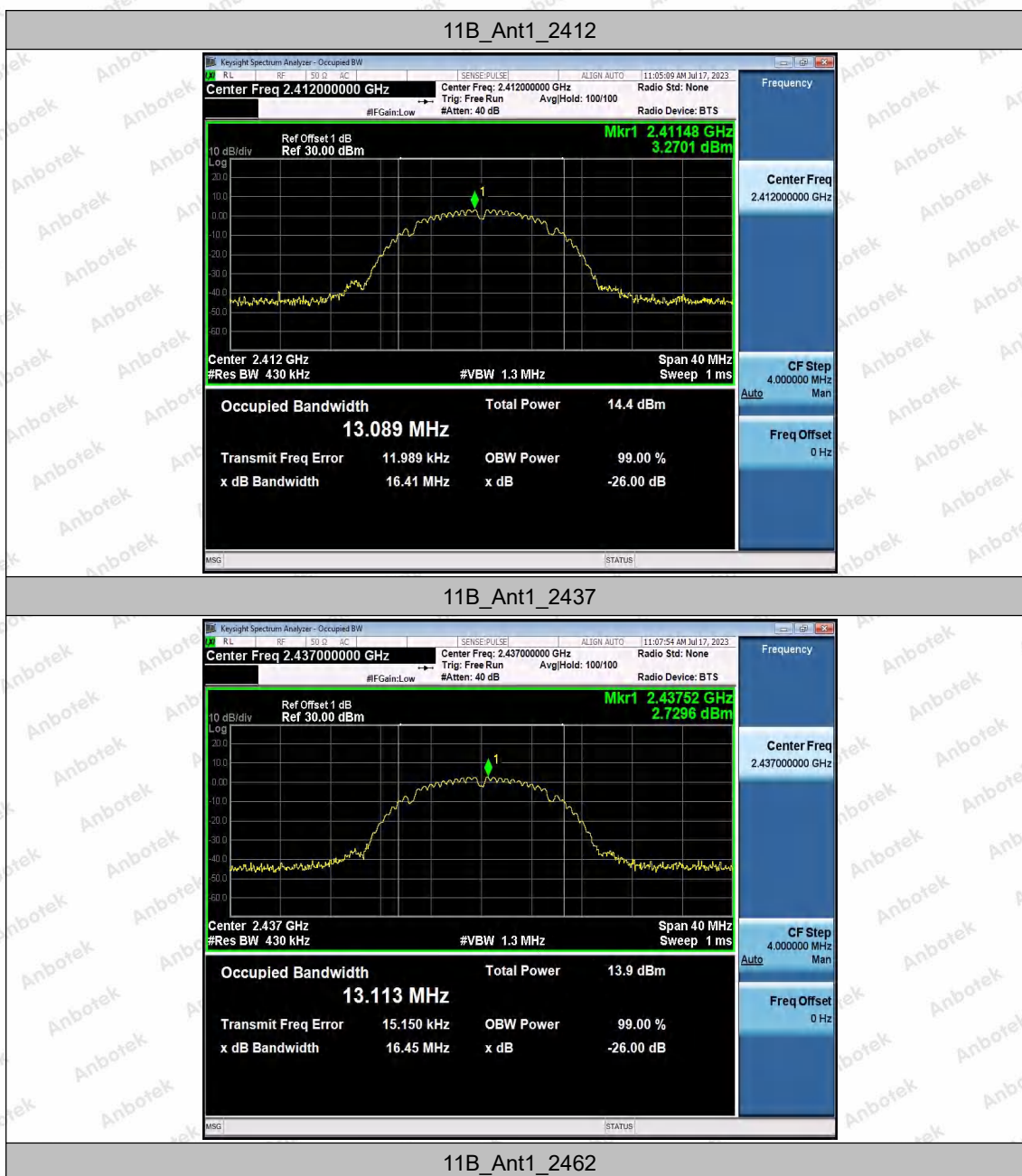
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.089	2405.4675	2418.5565
		2437	13.113	2430.4587	2443.5717
		2462	13.099	2455.4708	2468.5698
11G	Ant1	2412	17.217	2403.3870	2420.6040
		2437	17.431	2428.3200	2445.7510
		2462	17.438	2453.3129	2470.7509
11N20SISO	Ant1	2412	18.409	2402.8134	2421.2224
		2437	18.391	2427.7813	2446.1723
		2462	18.332	2452.8392	2471.1712



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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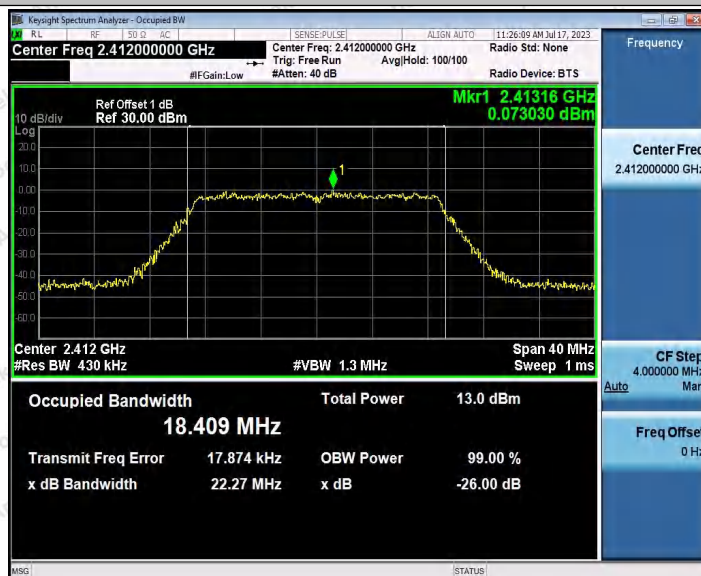
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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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	14.46	≤30.00
		2437	13.97	≤30.00
		2462	14.41	≤30.00
11G	Ant1	2412	14.61	≤30.00
		2437	14.48	≤30.00
		2462	14.79	≤30.00
11N20SISO	Ant1	2412	14.34	≤30.00
		2437	13.79	≤30.00
		2462	14.37	≤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	-11.62	≤8.00	PASS
		2437	-11.85	≤8.00	PASS
		2462	-11.92	≤8.00	PASS
11G	Ant1	2412	-17.97	≤8.00	PASS
		2437	-18.10	≤8.00	PASS
		2462	-17.51	≤8.00	PASS
11N20SISO	Ant1	2412	-17.60	≤8.00	PASS
		2437	-18.13	≤8.00	PASS
		2462	-17.84	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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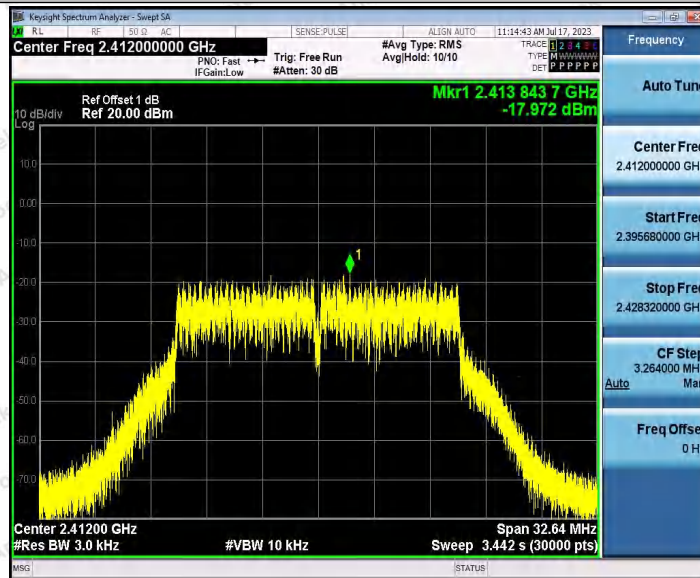
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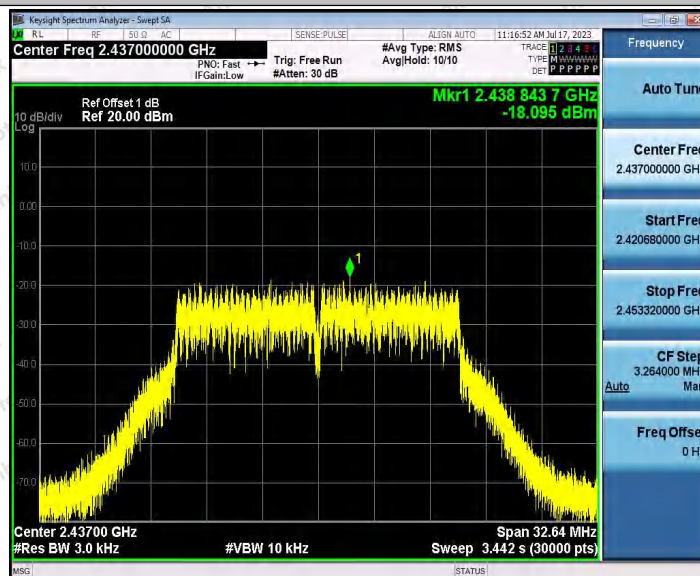




11G_Ant1_2412



11G_Ant1_2437

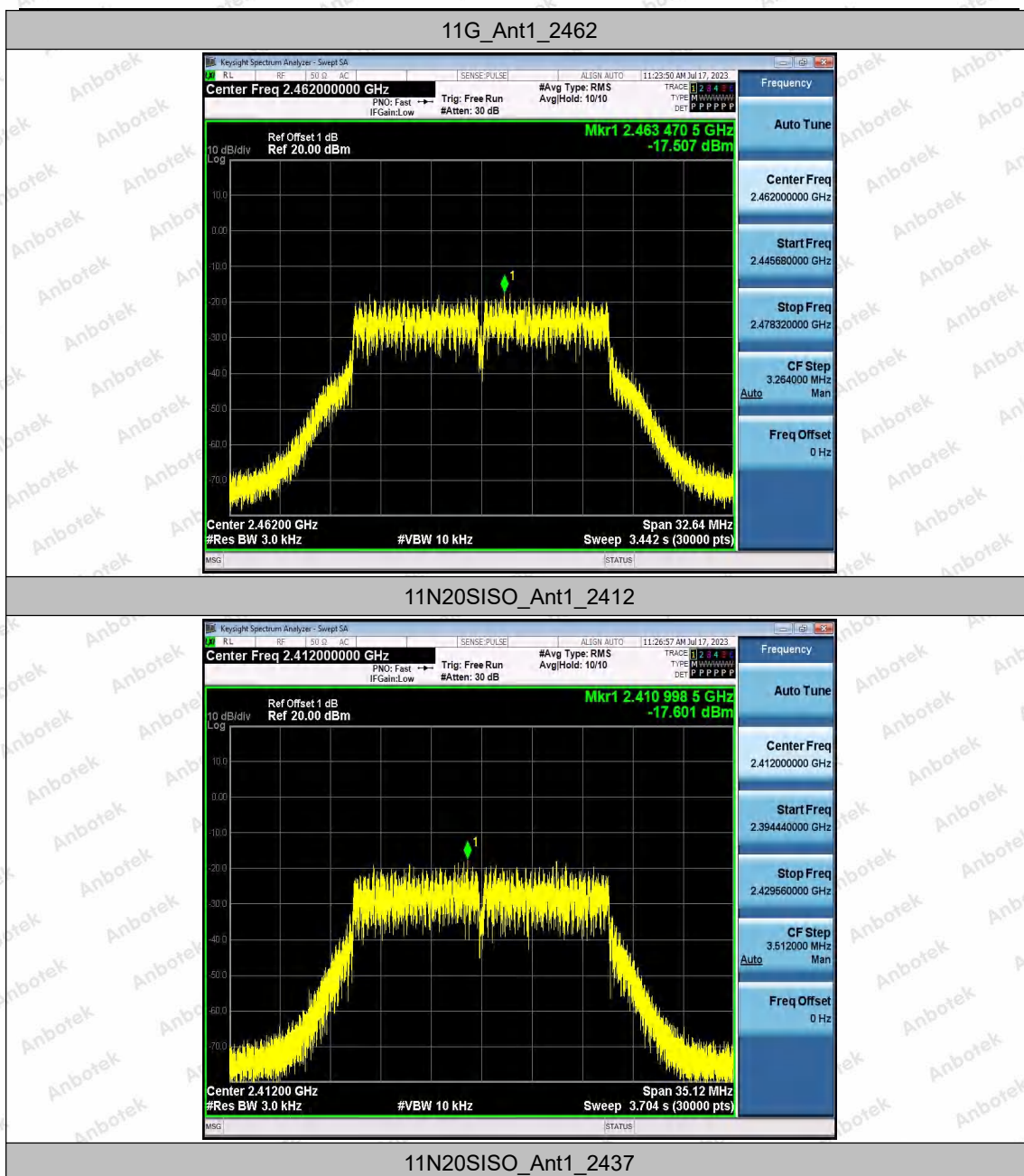
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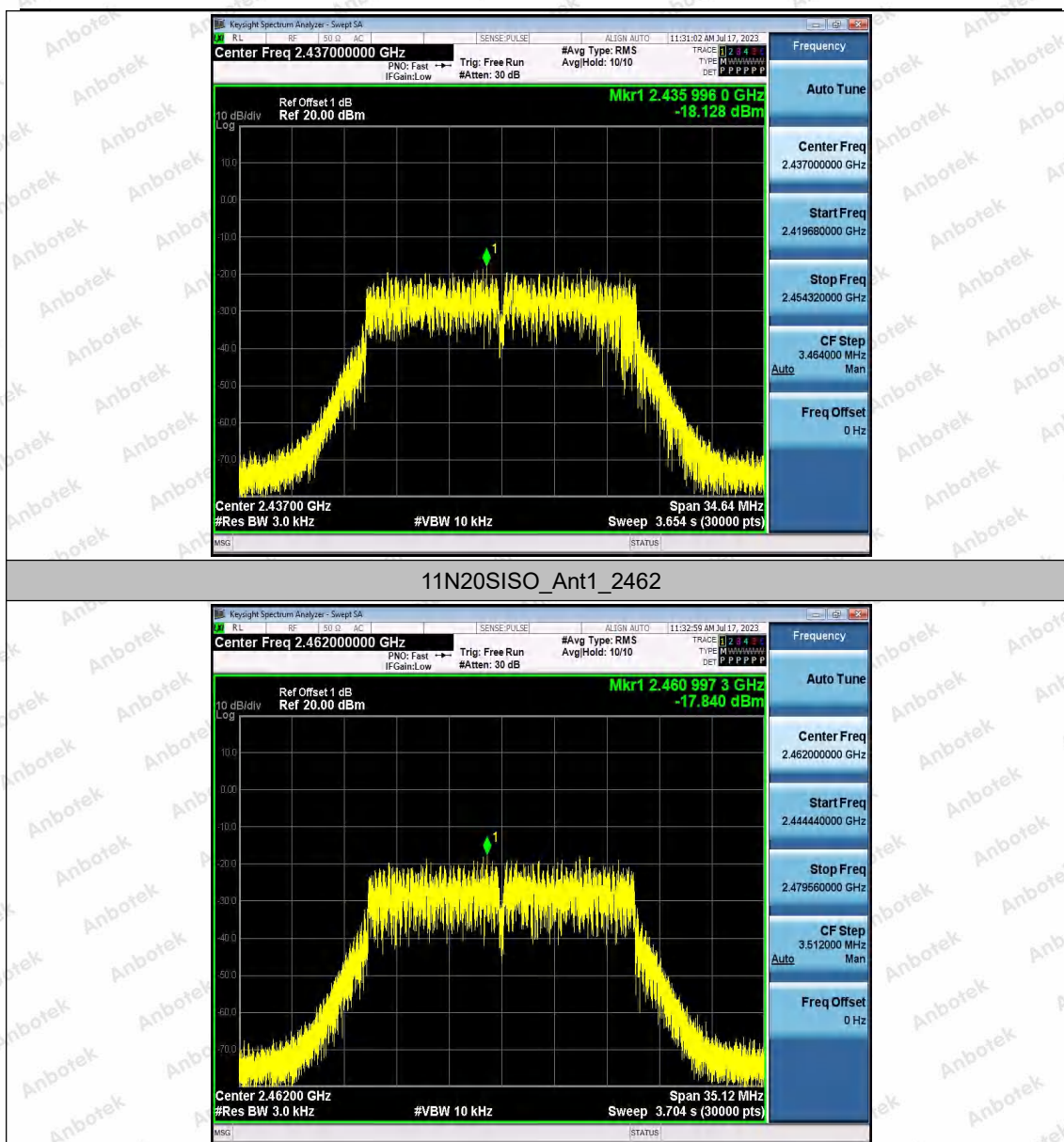
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Appendix E: Band edge measurements

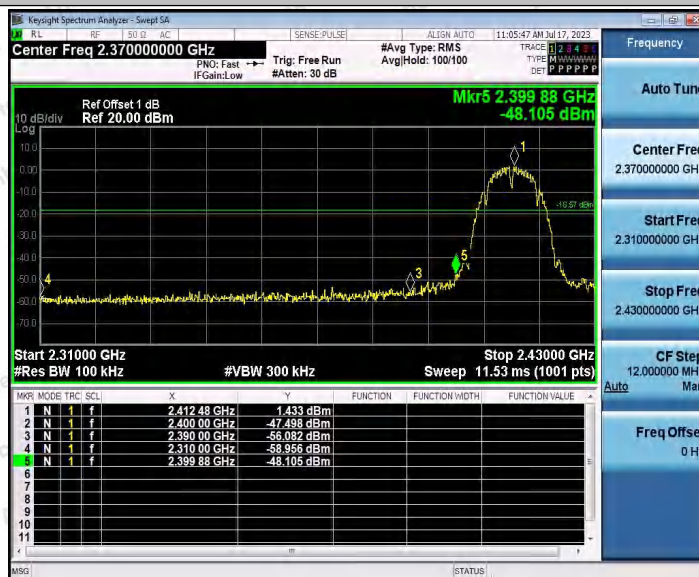
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.43	-48.11	≤-18.57	PASS
		High	2462	1.57	-53.00	≤-18.44	PASS
11G	Ant1	Low	2412	-2.87	-43.23	≤-22.87	PASS
		High	2462	-3.26	-54.93	≤-23.26	PASS
11N20SISO	Ant1	Low	2412	-3.98	-42.58	≤-23.98	PASS
		High	2462	-3.40	-54.32	≤-23.4	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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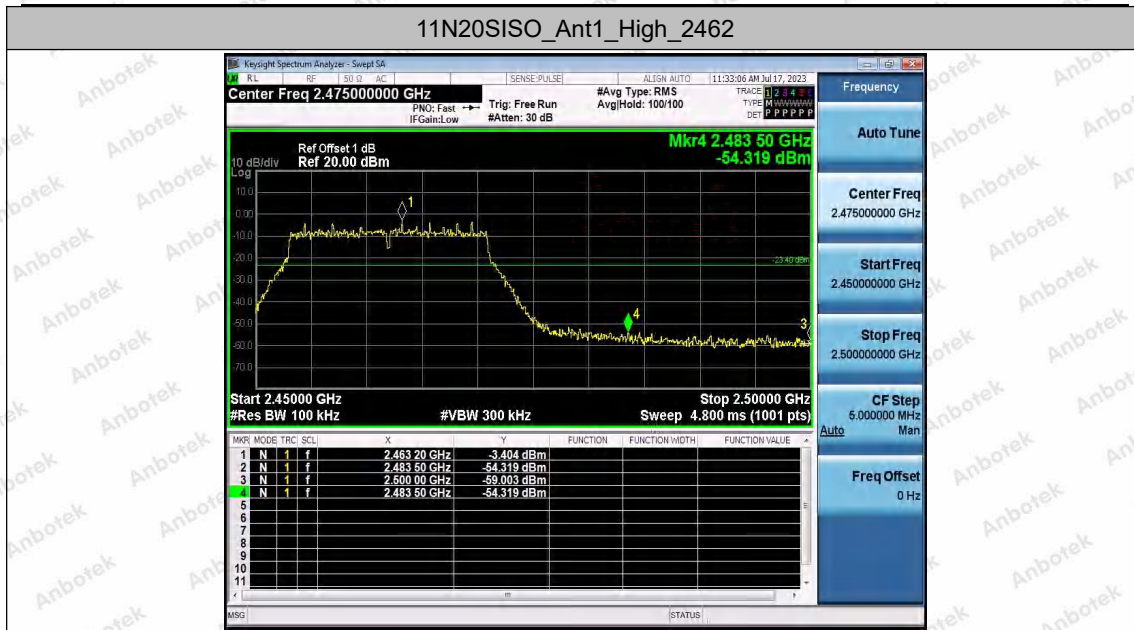


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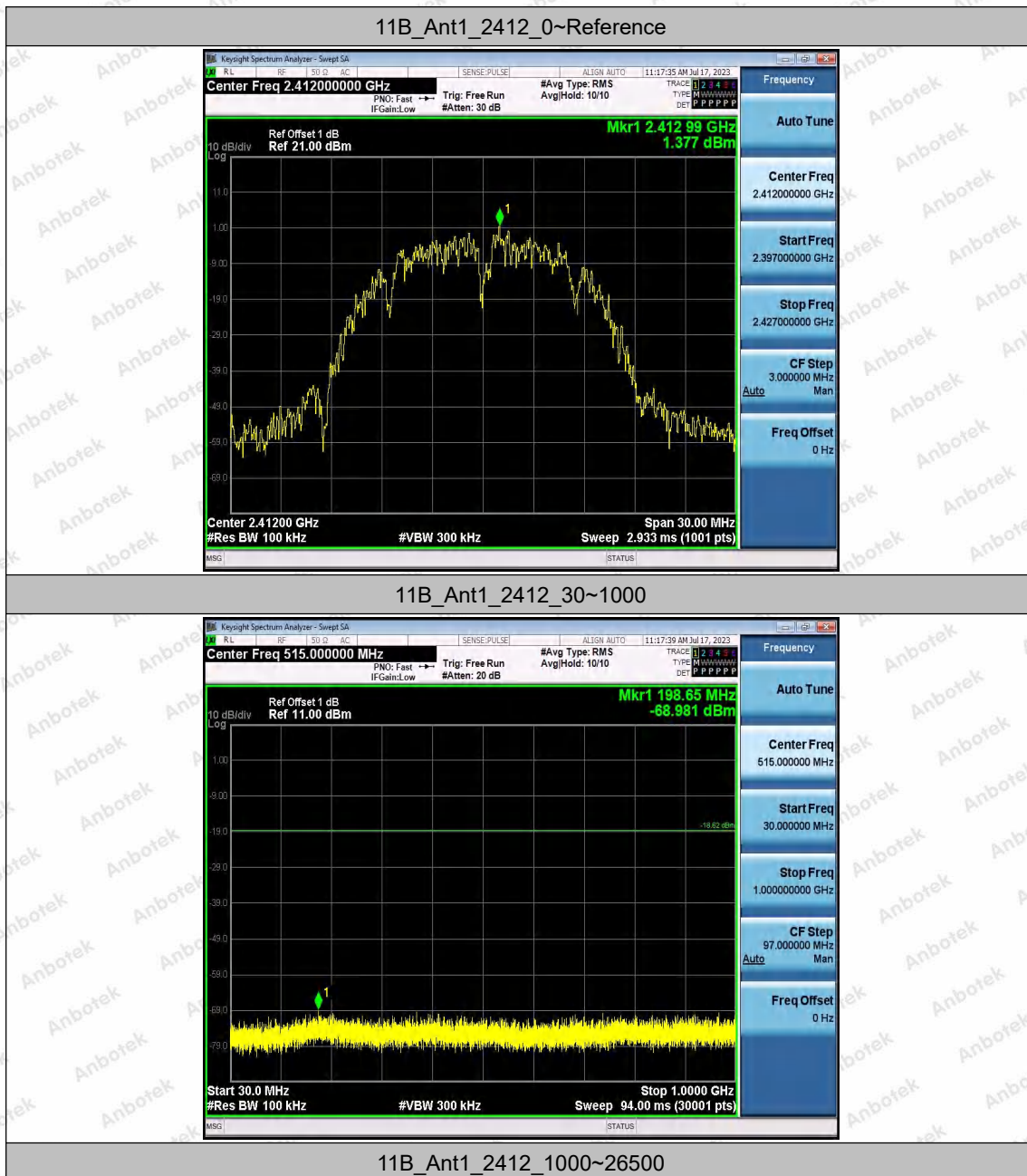
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-68.98	≤-18.62	PASS
			1000~26500	1.38	-51.44	≤-18.62	PASS
		2437	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-68.64	≤-19.86	PASS
			1000~26500	0.14	-53.62	≤-19.86	PASS
		2462	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-68.94	≤-19.51	PASS
			1000~26500	0.49	-52.57	≤-19.51	PASS
11G	Ant1	2412	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-68.89	≤-24.09	PASS
			1000~26500	-4.09	-53.61	≤-24.09	PASS
		2437	Reference	-5.08	-5.08	---	PASS
			30~1000	-5.08	-68.94	≤-25.08	PASS
			1000~26500	-5.08	-51.38	≤-25.08	PASS
		2462	Reference	-3.98	-3.98	---	PASS
			30~1000	-3.98	-68.60	≤-23.98	PASS
			1000~26500	-3.98	-53.57	≤-23.98	PASS
11N20SISO	Ant1	2412	Reference	-4.73	-4.73	---	PASS
			30~1000	-4.73	-68.83	≤-24.73	PASS
			1000~26500	-4.73	-53.35	≤-24.73	PASS
		2437	Reference	-6.43	-6.43	---	PASS
			30~1000	-6.43	-69.11	≤-26.43	PASS
			1000~26500	-6.43	-53.26	≤-26.43	PASS
		2462	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-69.19	≤-25.59	PASS
			1000~26500	-5.59	-53.52	≤-25.59	PASS



Test Graphs



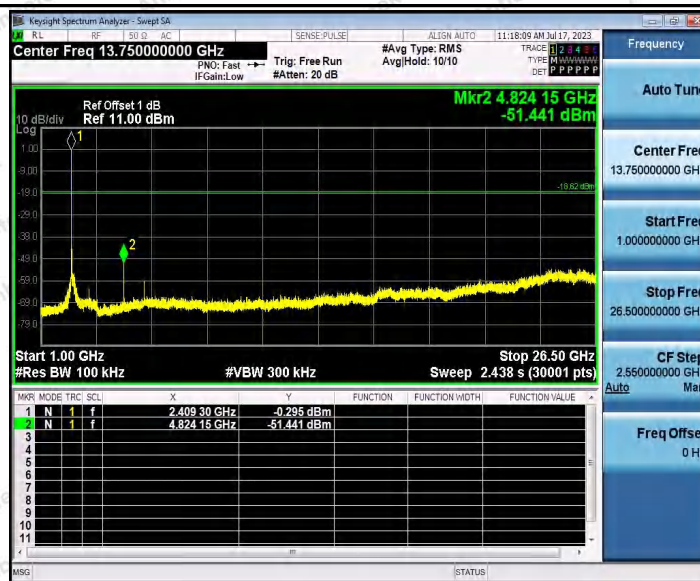
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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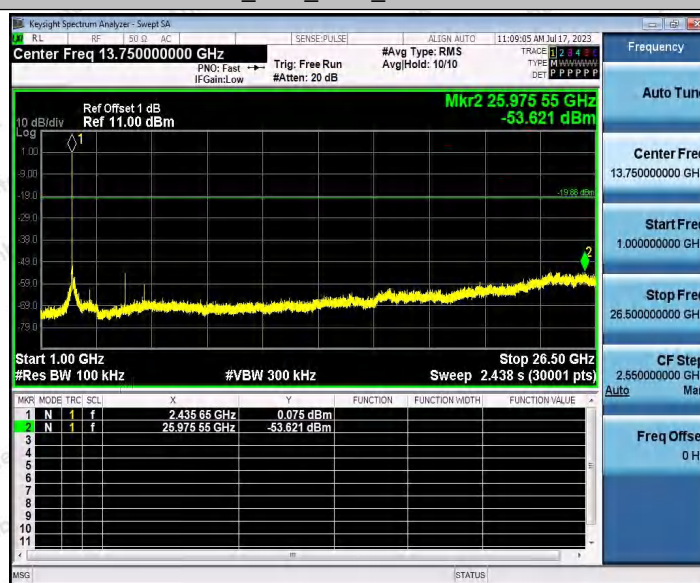
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

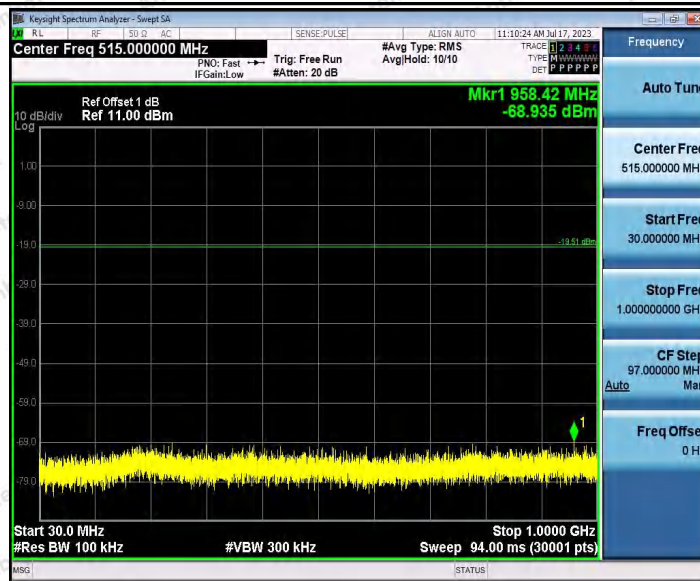
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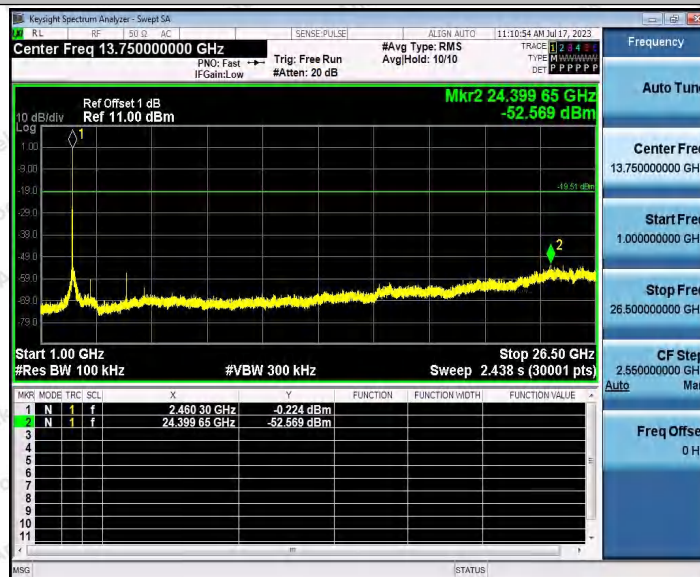


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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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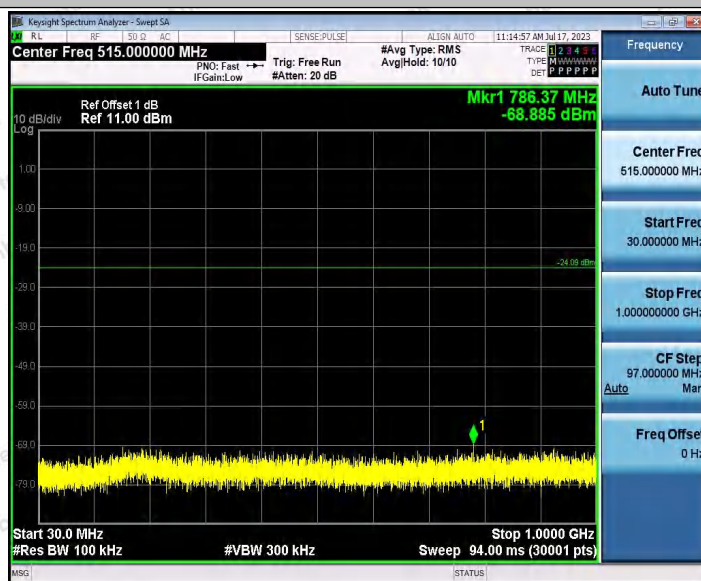
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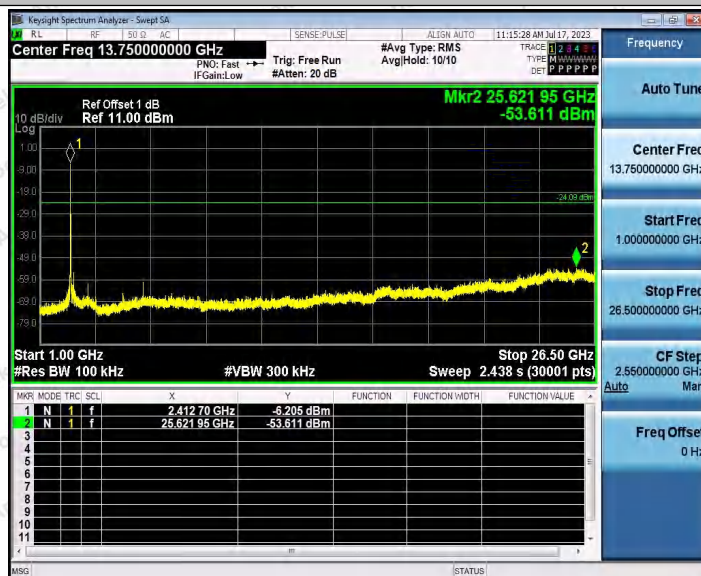
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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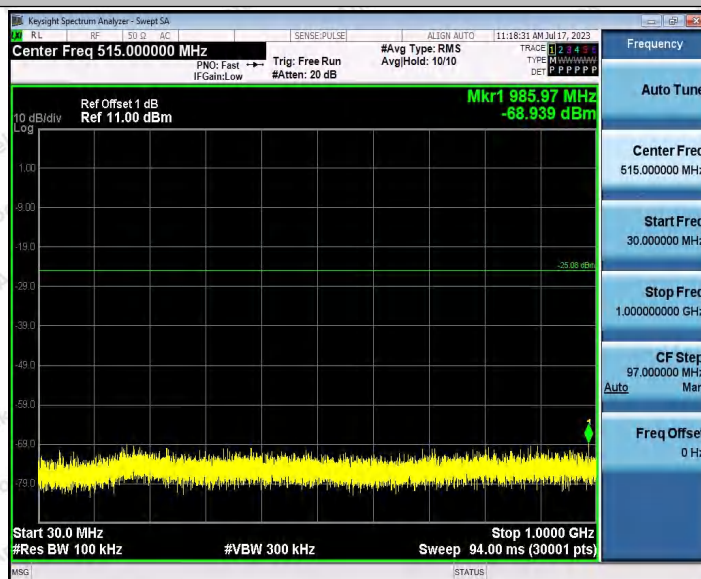


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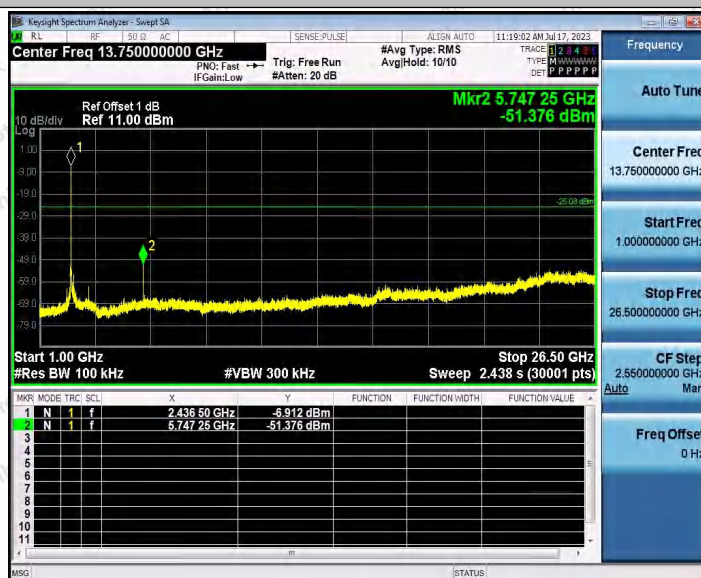




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



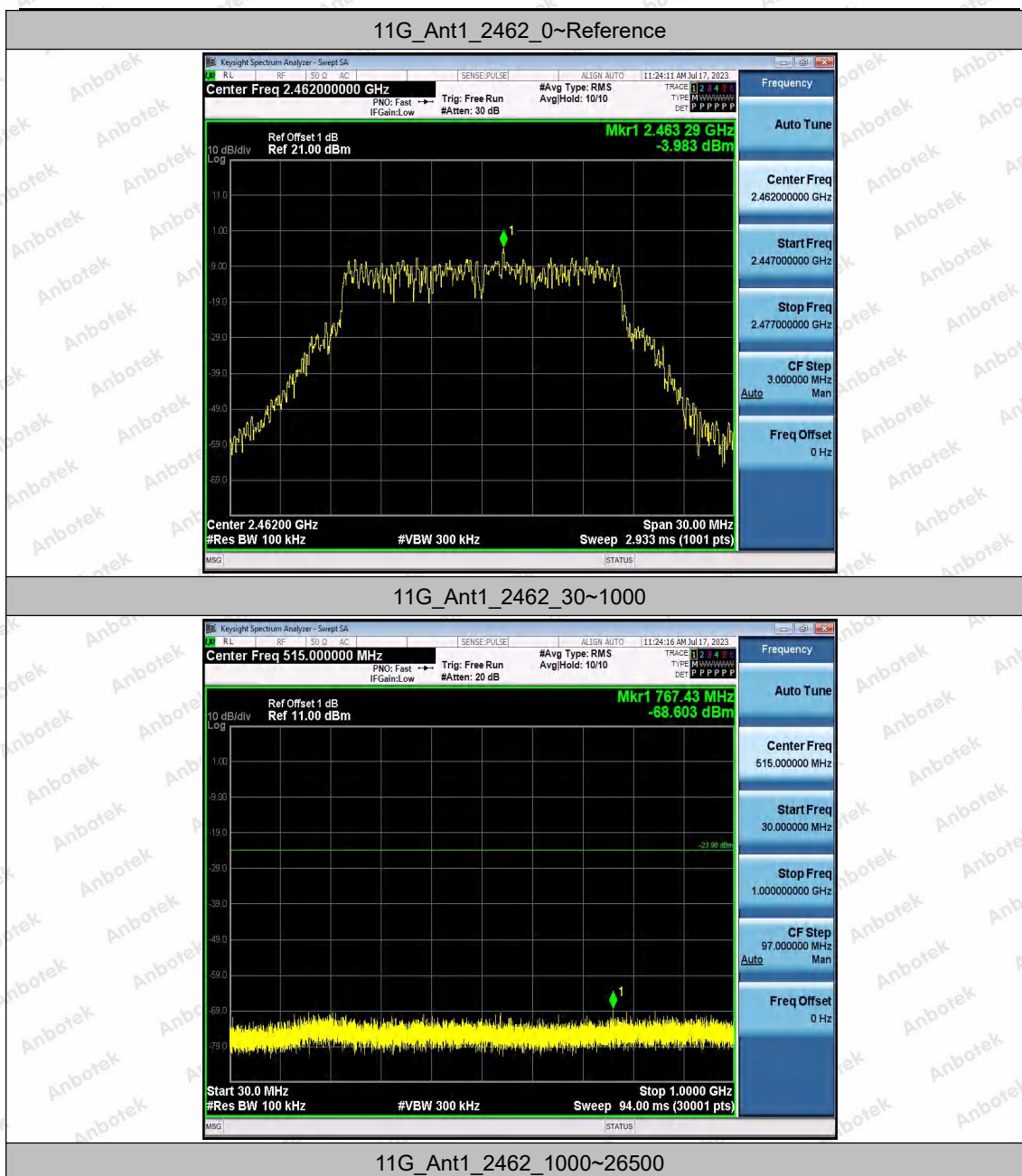
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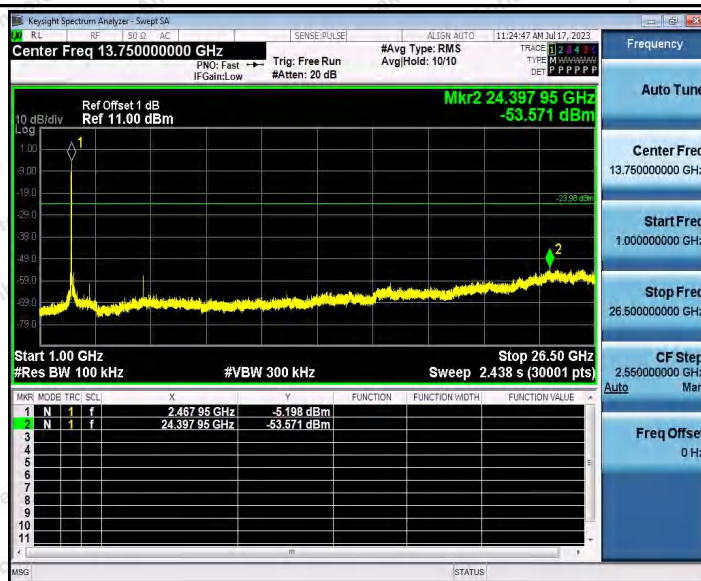
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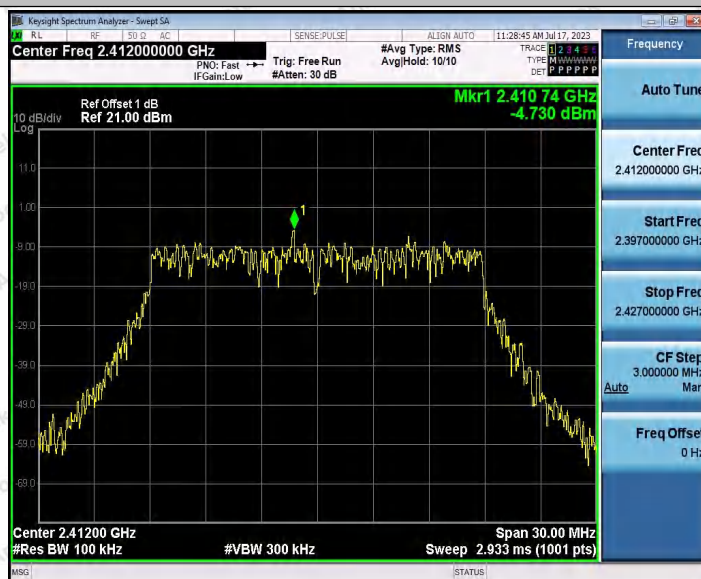


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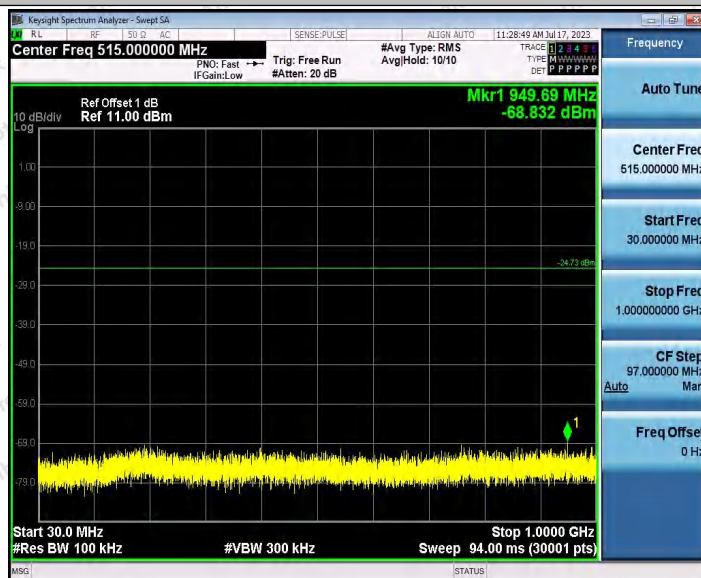




11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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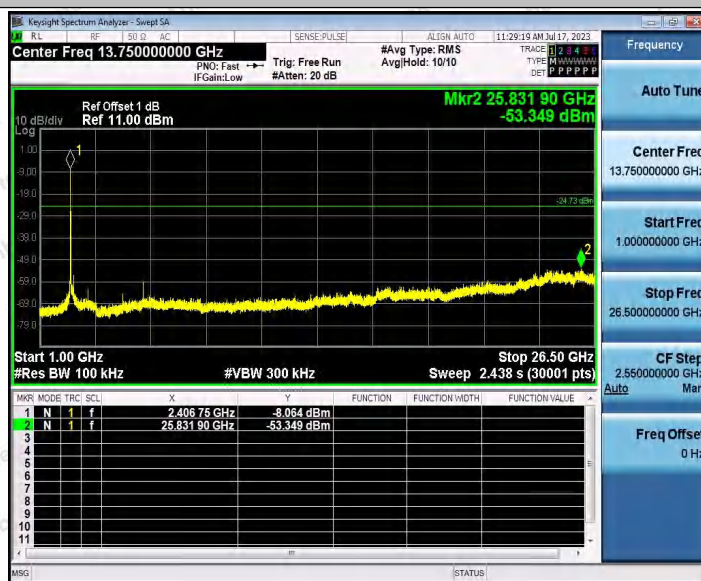
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

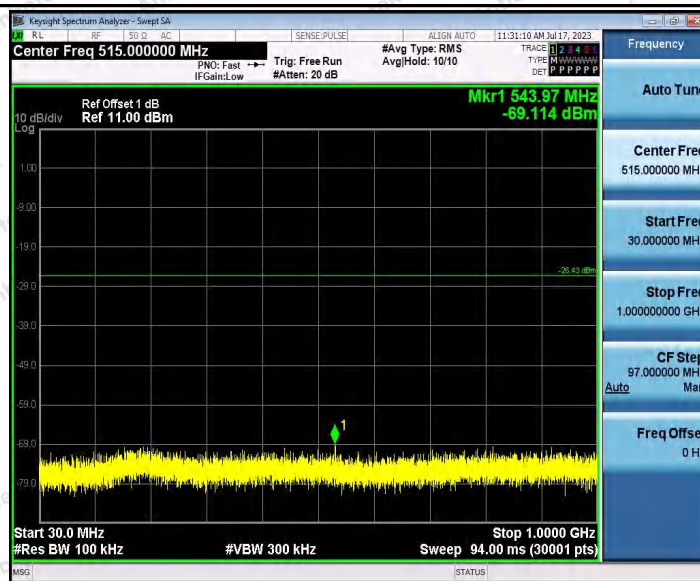
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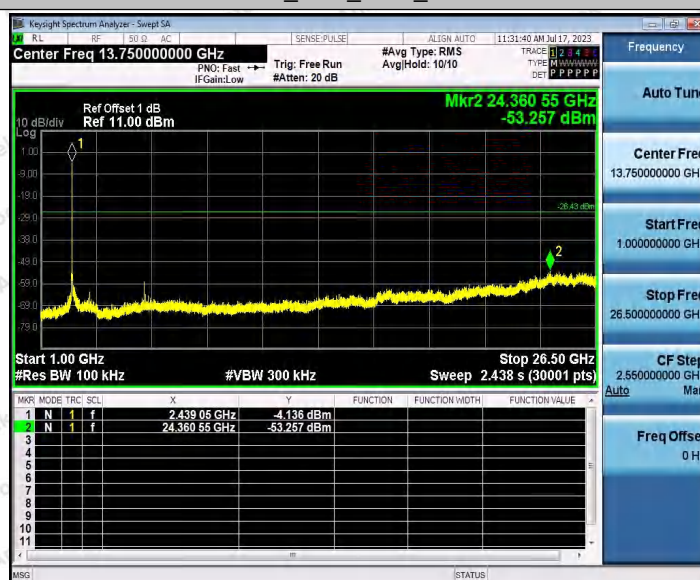


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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



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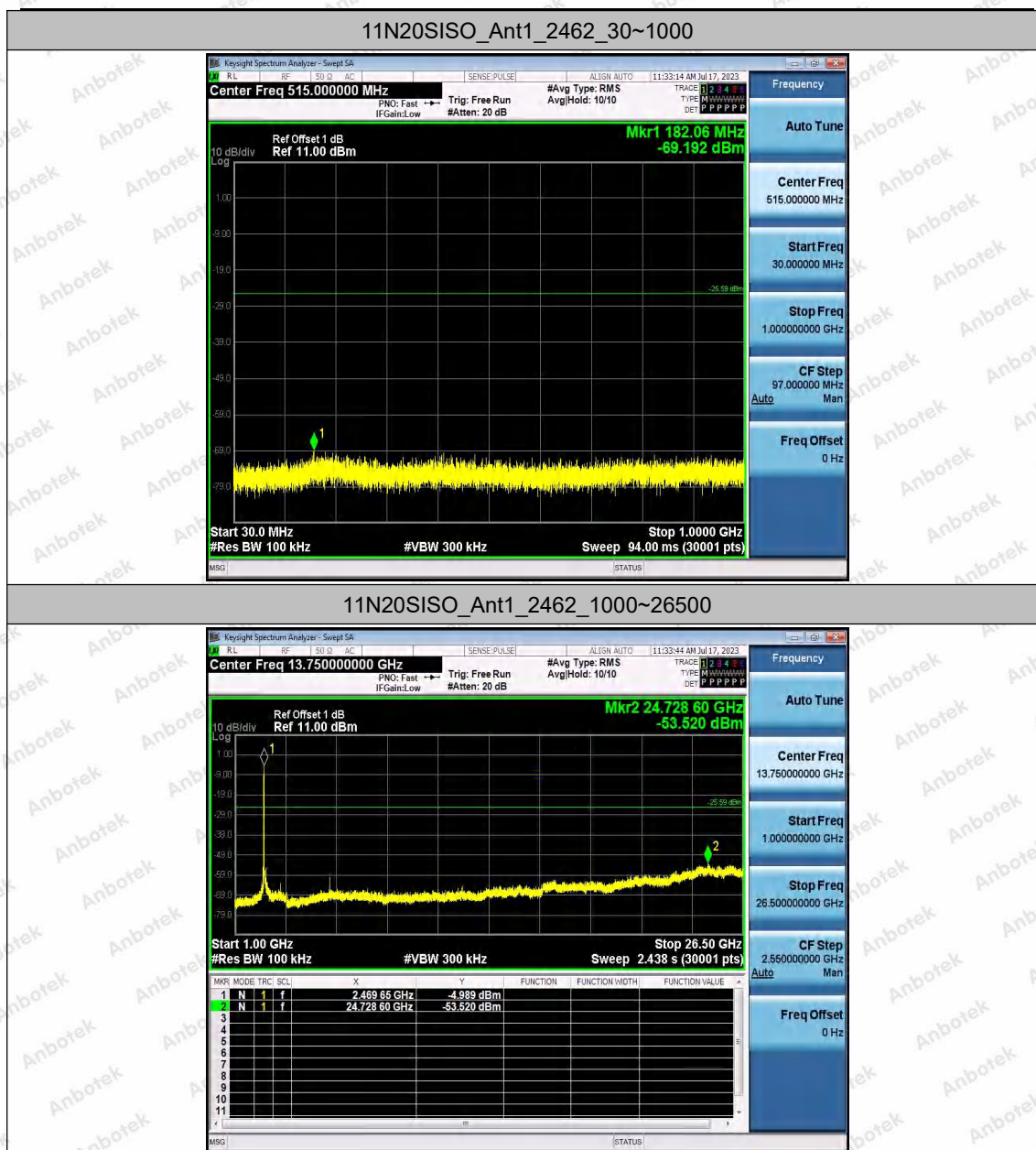


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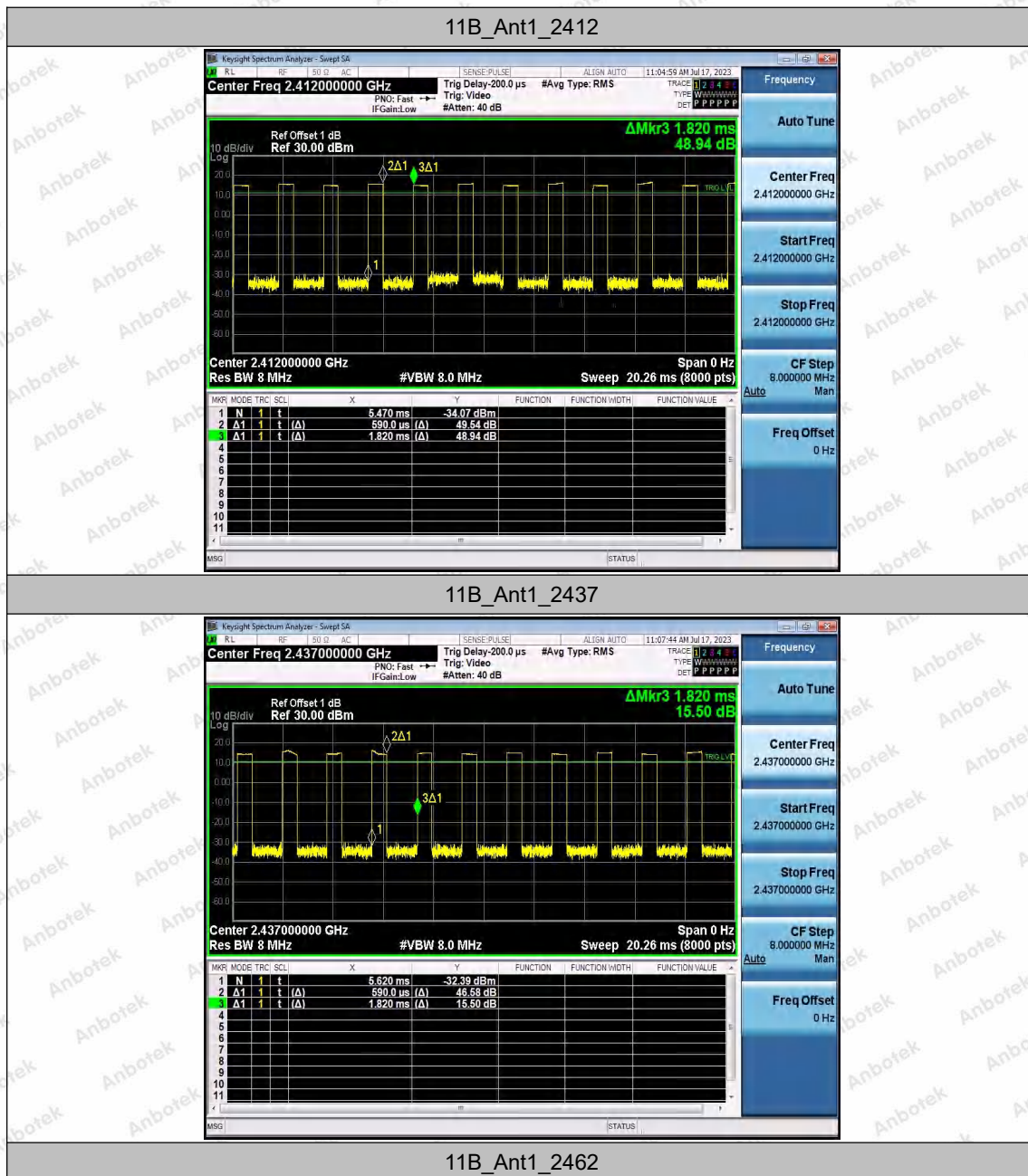
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.59	1.82	32.42	4.89
		2437	0.59	1.82	32.42	4.89
		2462	0.59	1.81	32.60	4.87
11G	Ant1	2412	0.58	1.80	32.22	4.92
		2437	0.58	1.80	32.22	4.92
		2462	0.58	1.80	32.22	4.92
11N20SISO	Ant1	2412	0.56	1.77	31.64	5.00
		2437	0.56	1.77	31.64	5.00
		2462	0.56	1.78	31.46	5.02



Test Graphs



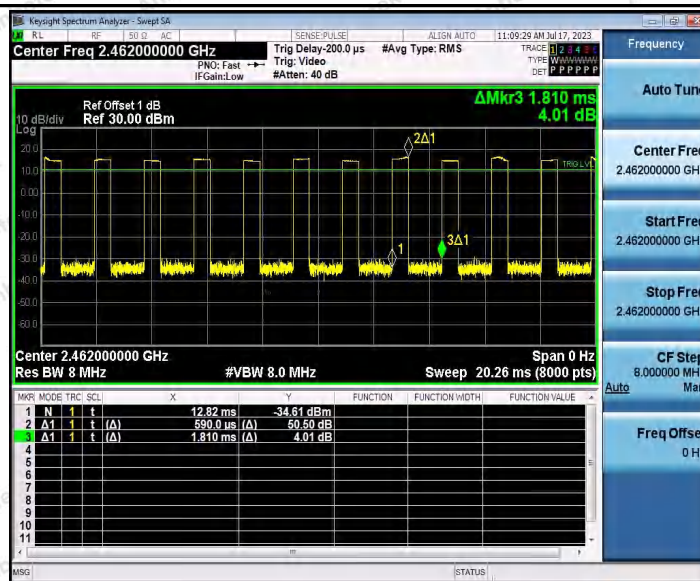
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

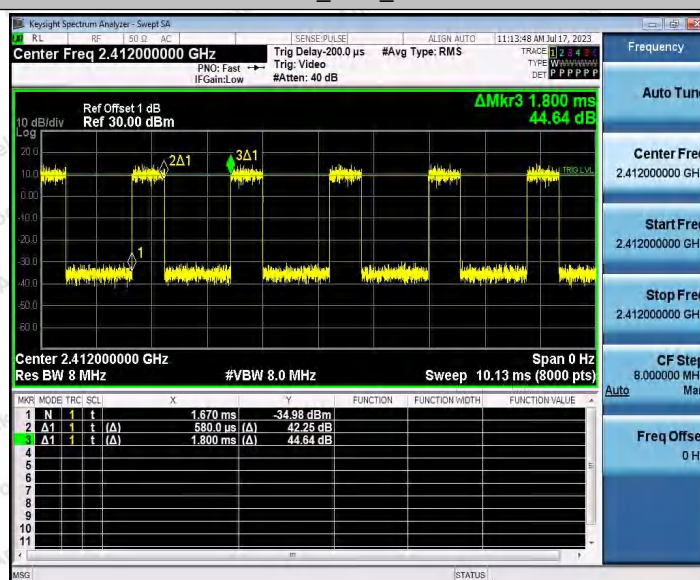


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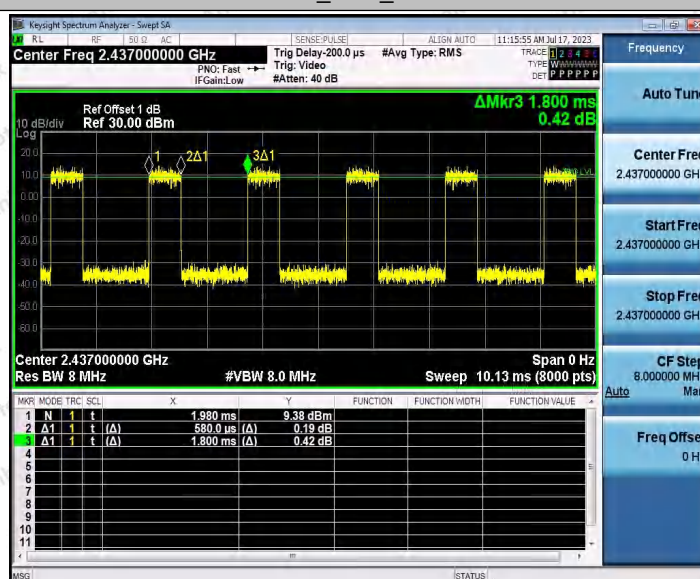




11G_Ant1_2412



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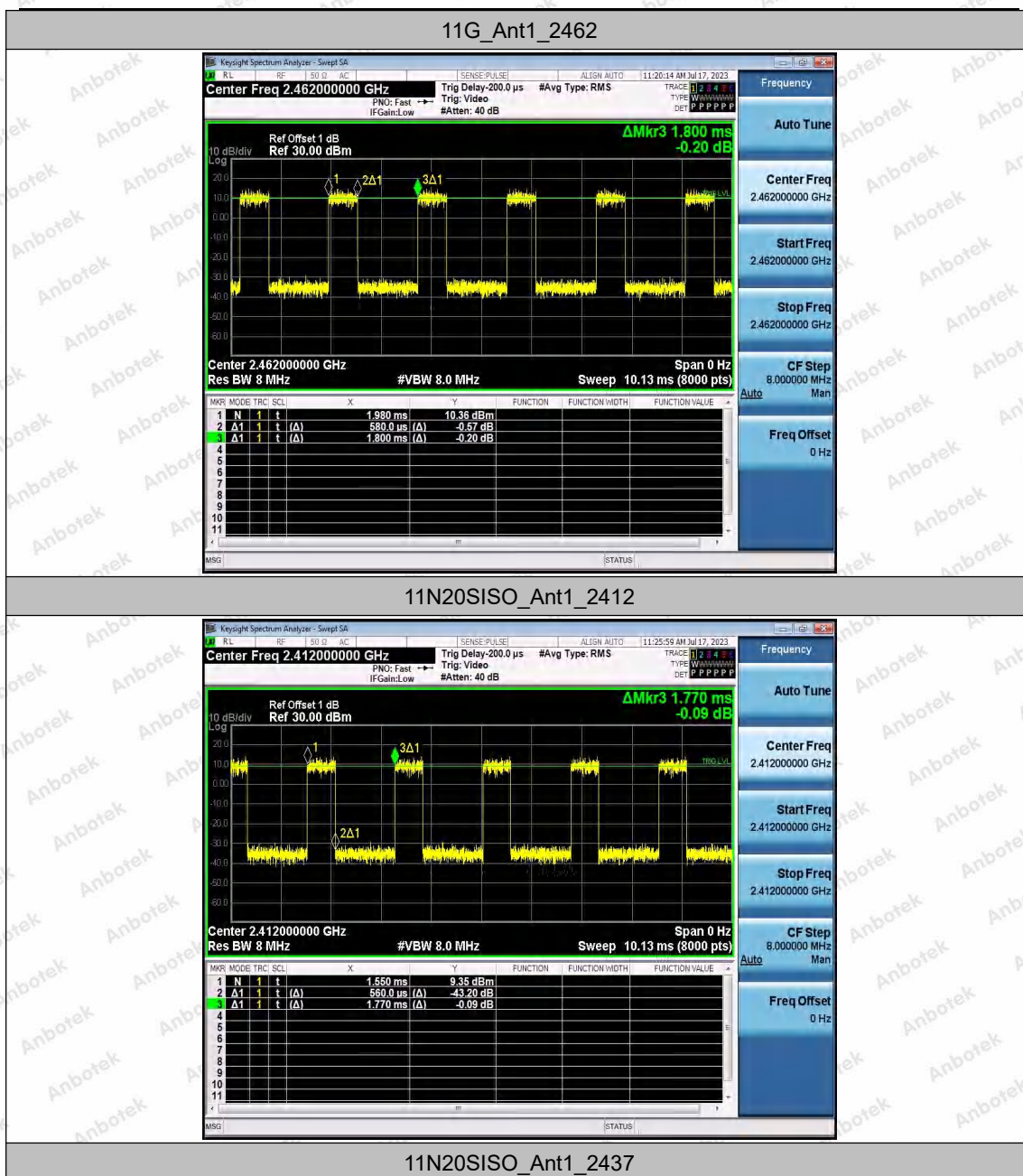


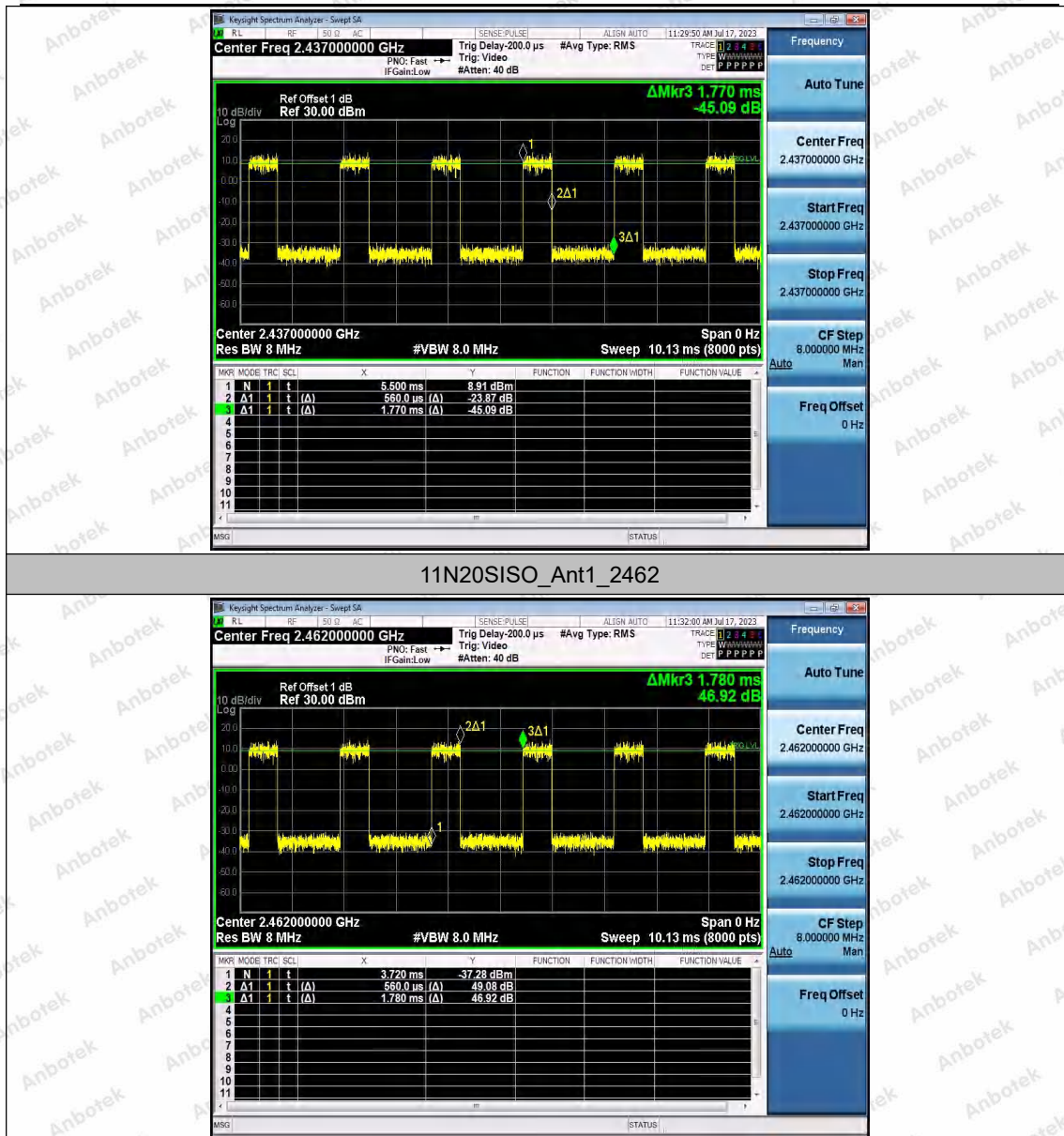
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