

Appendix Test Data

Report No.:	18220WC30111901	Test Sample No.:	1-2-2
Start Test Date:	2023.06.06	Finish Test Date:	2023.06.08
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.480	2417.040	≥0.5	PASS
		2437	9.520	2432.480	2442.000	≥0.5	PASS
		2462	8.560	2457.480	2466.040	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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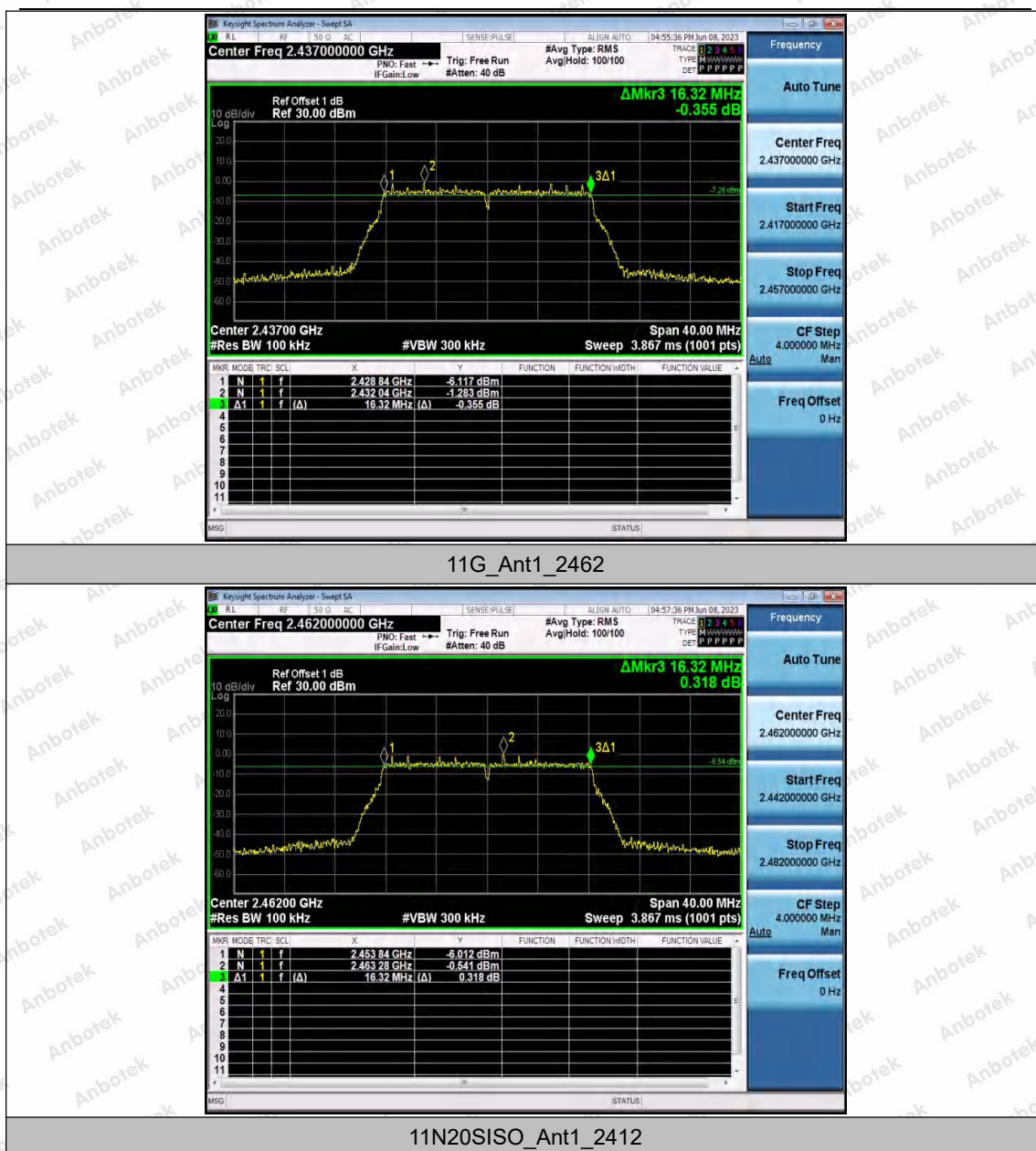
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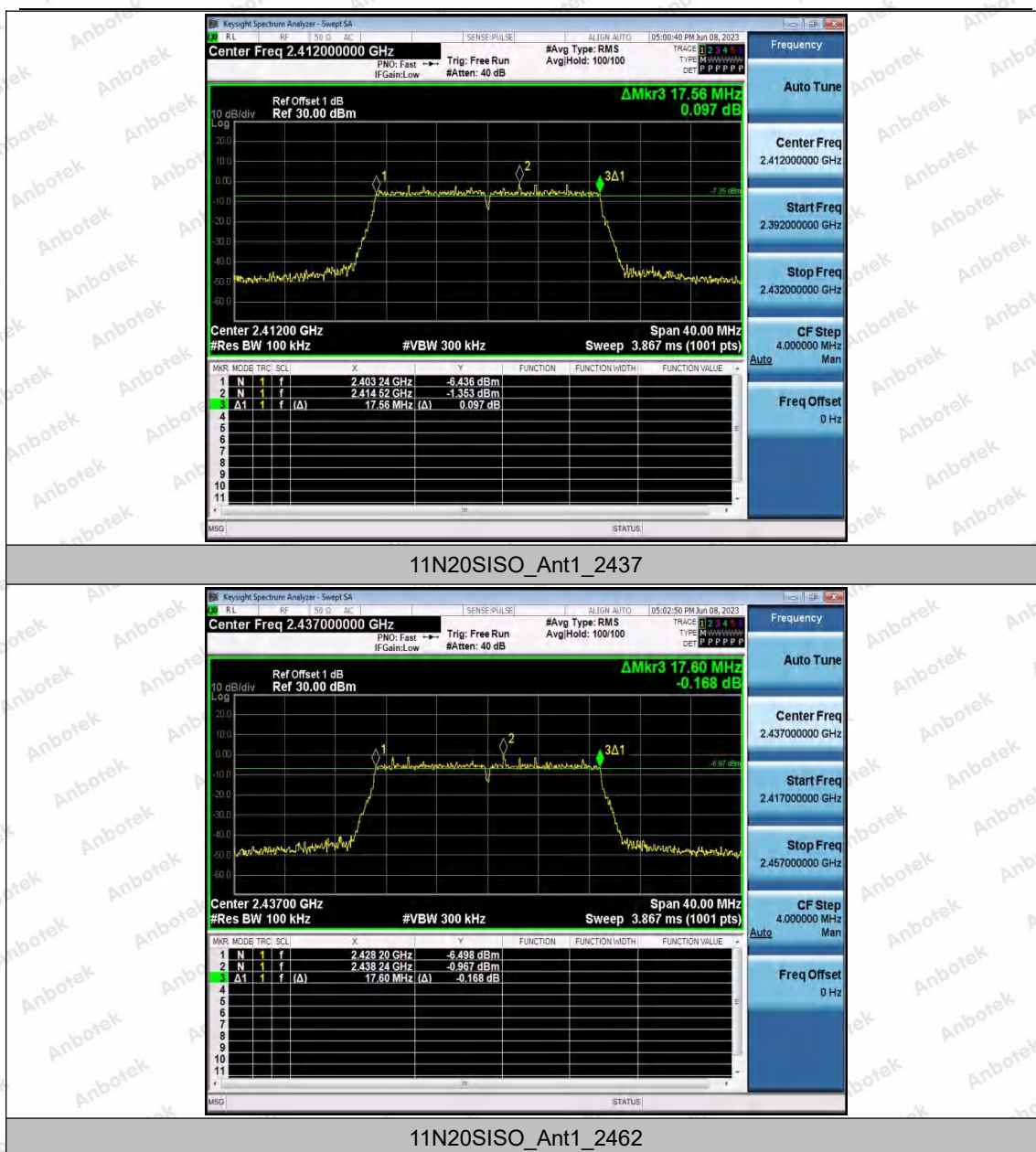
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.274	2405.9115	2418.1855	---	---
		2437	12.311	2430.8735	2443.1845	---	---
		2462	12.318	2455.8712	2468.1892	---	---
11G	Ant1	2412	17.072	2403.5089	2420.5809	---	---
		2437	17.065	2428.4972	2445.5622	---	---
		2462	17.087	2453.4642	2470.5512	---	---
11N20SISO	Ant1	2412	17.933	2403.0496	2420.9826	---	---
		2437	18.003	2428.0308	2446.0338	---	---
		2462	17.982	2453.0268	2471.0088	---	---



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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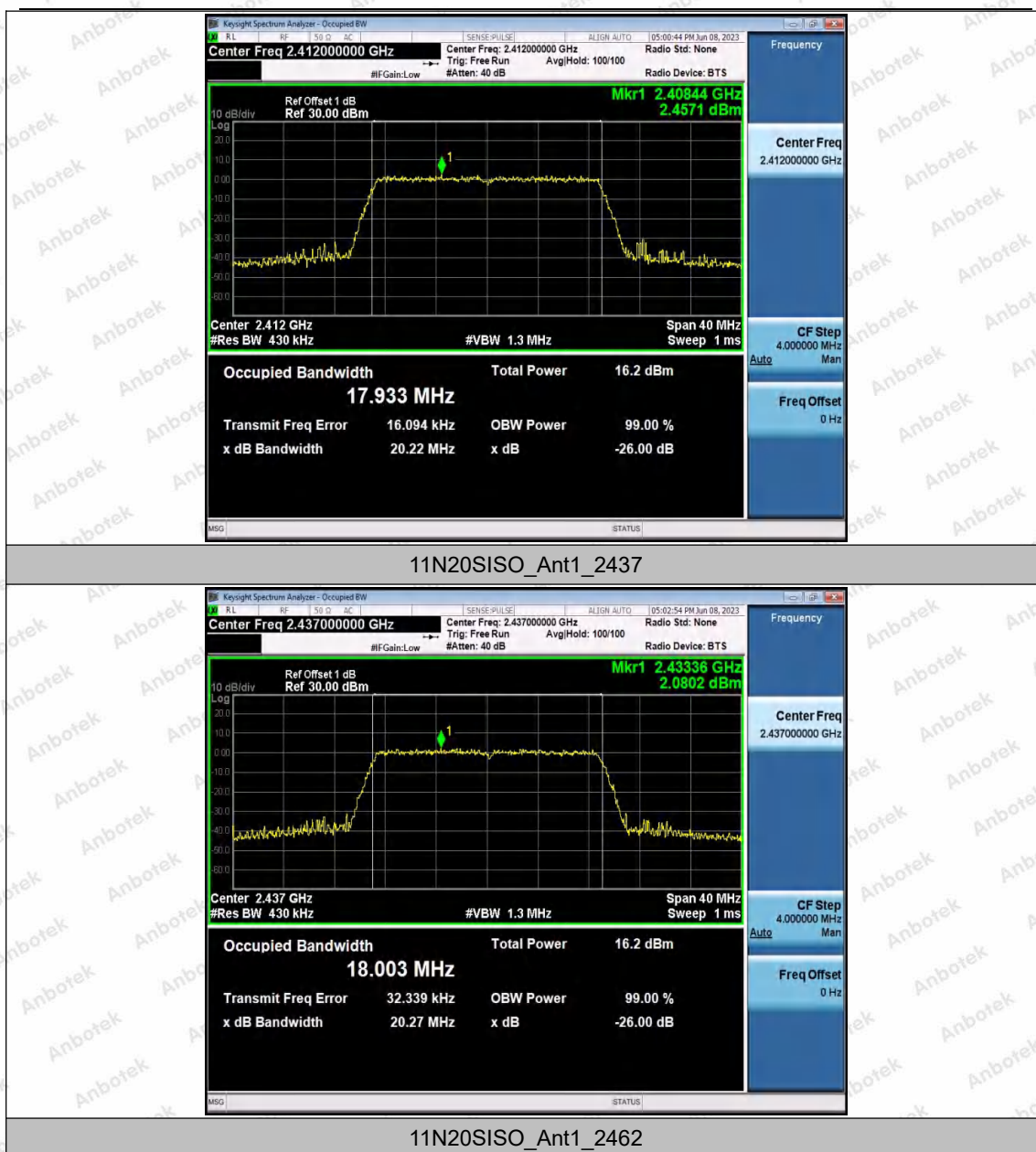
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	17.00	≤30.00
		2437	17.16	≤30.00
		2462	17.02	≤30.00
11G	Ant1	2412	17.17	≤30.00
		2437	17.28	≤30.00
		2462	17.61	≤30.00
11N20SISO	Ant1	2412	17.41	≤30.00
		2437	17.39	≤30.00
		2462	17.59	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.74	≤8.00	PASS
		2437	-6.29	≤8.00	PASS
		2462	-8.43	≤8.00	PASS
11G	Ant1	2412	-14	≤8.00	PASS
		2437	-14.67	≤8.00	PASS
		2462	-15.05	≤8.00	PASS
11N20SISO	Ant1	2412	-14.84	≤8.00	PASS
		2437	-15.02	≤8.00	PASS
		2462	-14.55	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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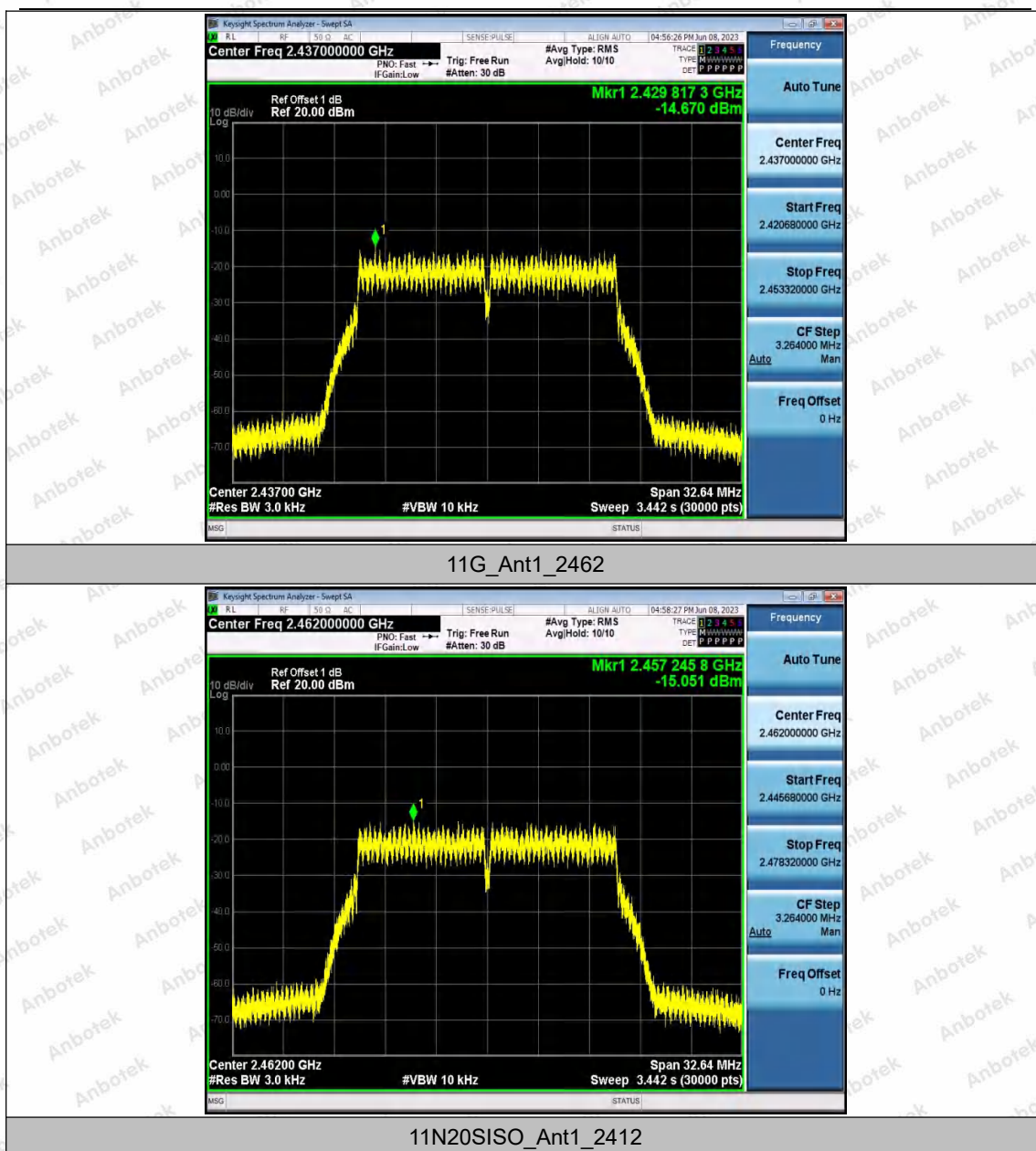


11G Ant1 2412



11G_Ant1_2437





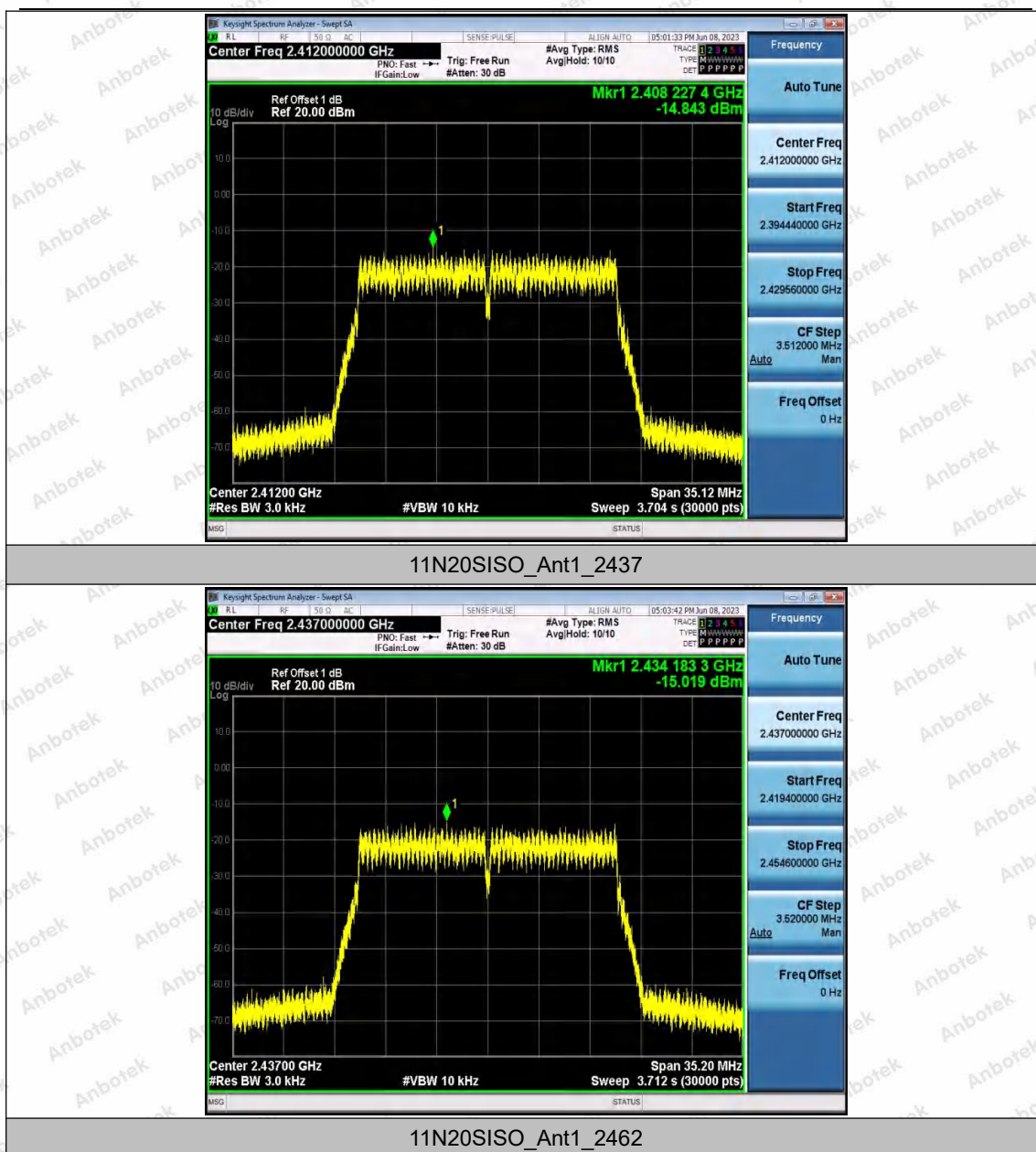
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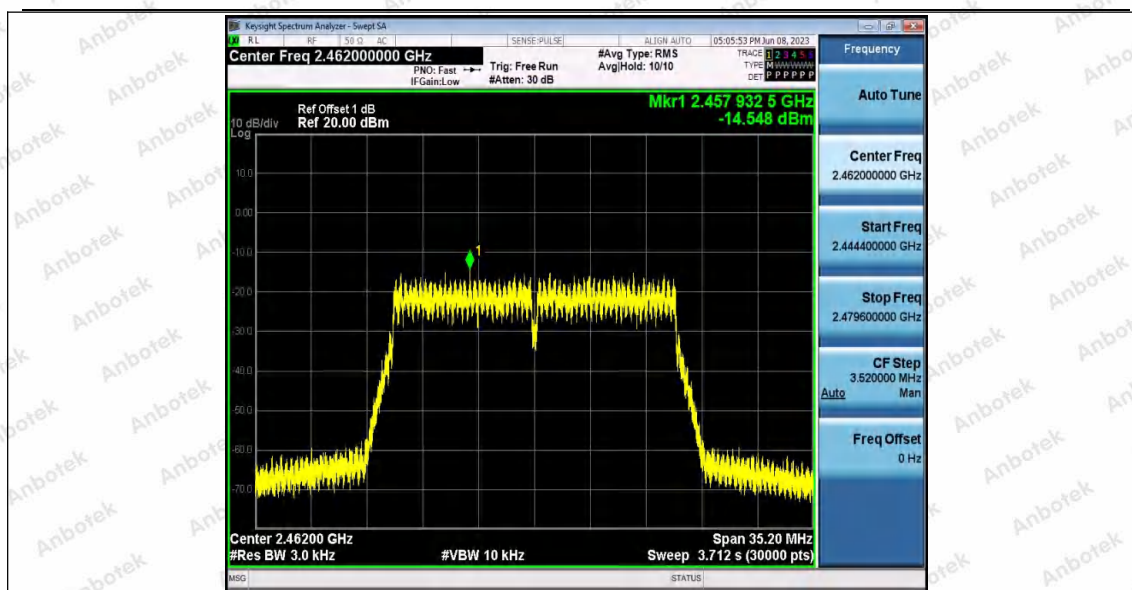
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Appendix E: Band edge measurements

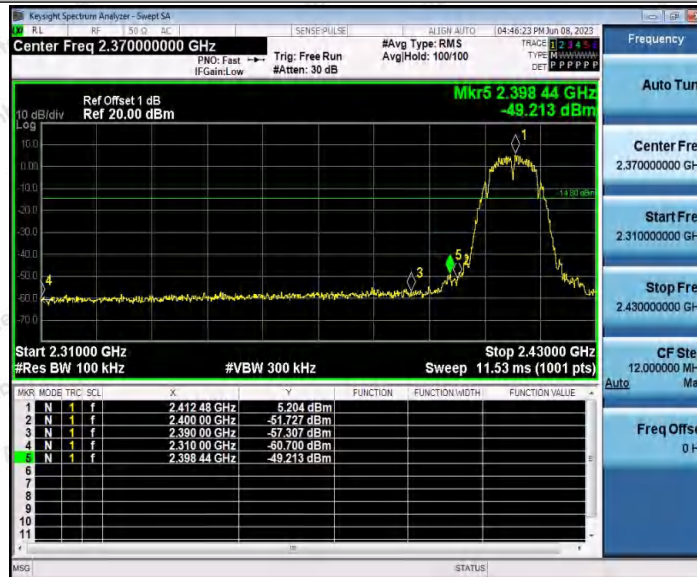
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.20	-49.21	≤-14.8	PASS
		High	2462	5.37	-55.34	≤-14.63	PASS
11G	Ant1	Low	2412	-2.04	-45.64	≤-22.04	PASS
		High	2462	-0.51	-52.05	≤-20.51	PASS
11N20SISO	Ant1	Low	2412	-1.11	-44.03	≤-21.11	PASS
		High	2462	-0.78	-51.99	≤-20.78	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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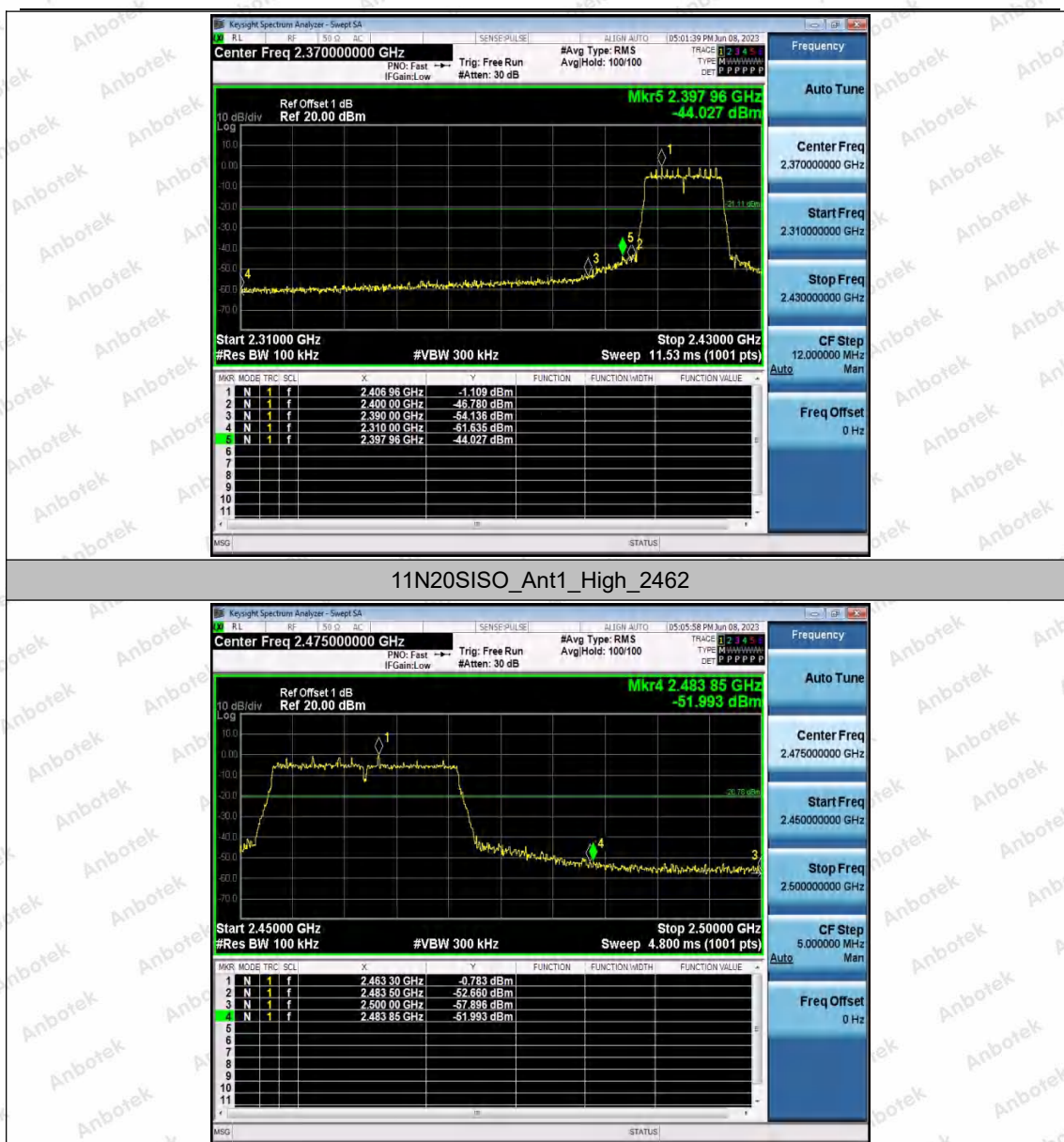
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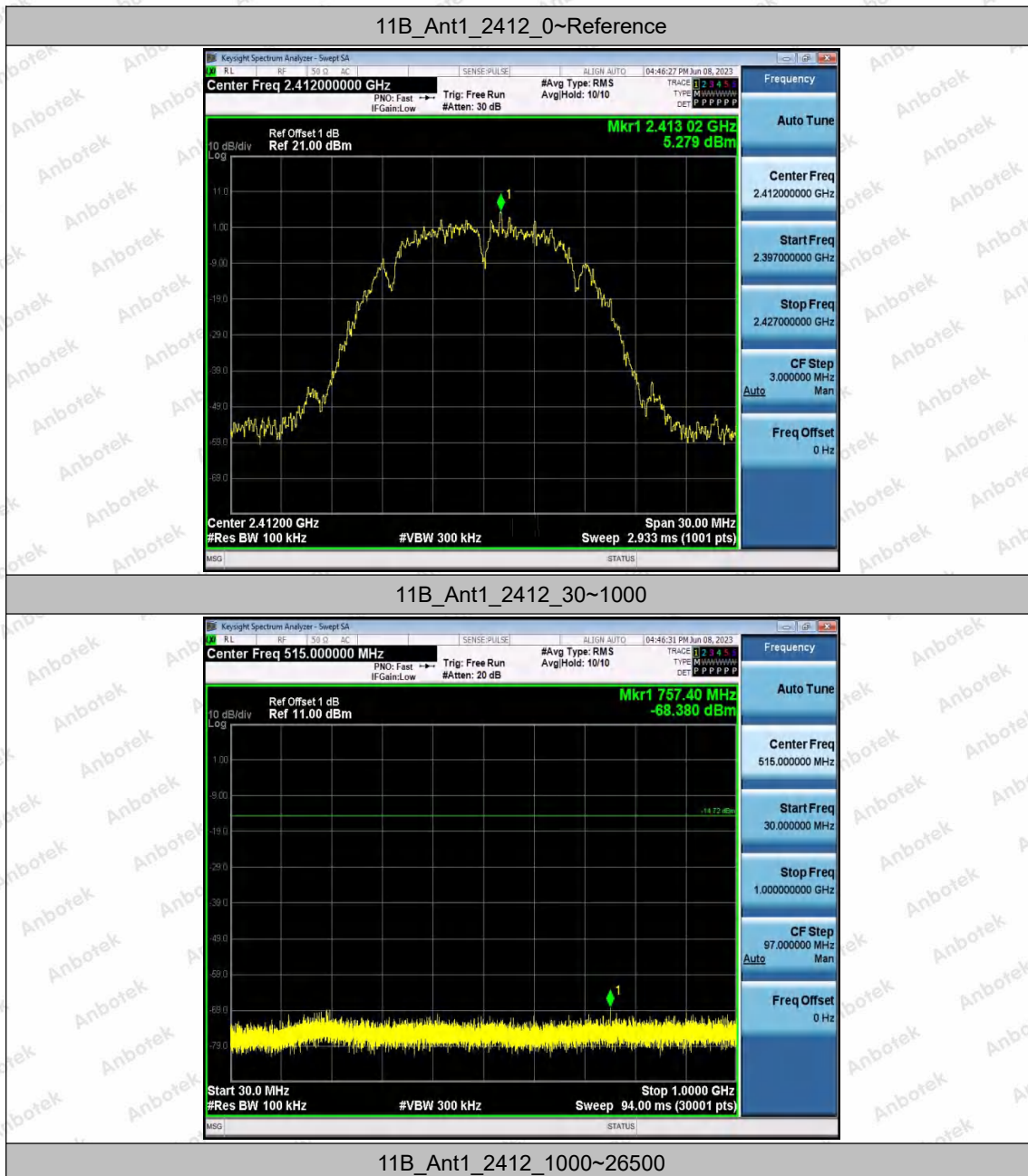
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.28	5.28	---	PASS
			30~1000	5.28	-68.38	≤-14.72	PASS
			1000~26500	5.28	-52.9	≤-14.72	PASS
		2437	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-68.53	≤-16.18	PASS
			1000~26500	3.82	-53.33	≤-16.18	PASS
		2462	Reference	3.84	3.84	---	PASS
			30~1000	3.84	-68.94	≤-16.16	PASS
			1000~26500	3.84	-53.43	≤-16.16	PASS
11G	Ant1	2412	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-68.76	≤-24.52	PASS
			1000~26500	-4.52	-52.58	≤-24.52	PASS
		2437	Reference	-4.81	-4.81	---	PASS
			30~1000	-4.81	-67.57	≤-24.81	PASS
			1000~26500	-4.81	-52.93	≤-24.81	PASS
		2462	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-69.31	≤-21.87	PASS
			1000~26500	-1.87	-53.25	≤-21.87	PASS
11N20SISO	Ant1	2412	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-69.9	≤-24.12	PASS
			1000~26500	-4.12	-53.46	≤-24.12	PASS
		2437	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-69.62	≤-21.29	PASS
			1000~26500	-1.29	-53.72	≤-21.29	PASS
		2462	Reference	-3.85	-3.85	---	PASS
			30~1000	-3.85	-68.92	≤-23.85	PASS
			1000~26500	-3.85	-54.29	≤-23.85	PASS



Test Graphs



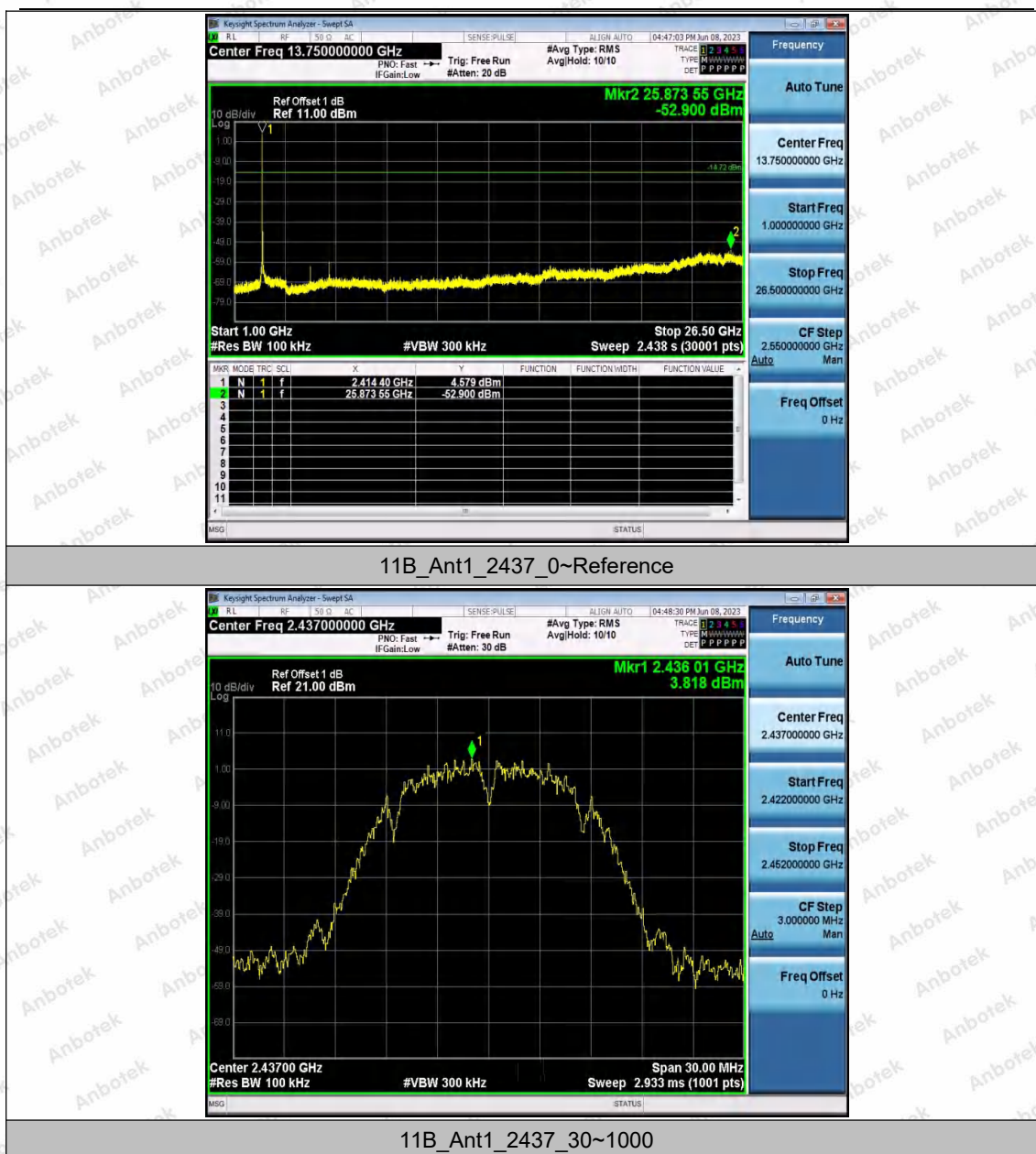
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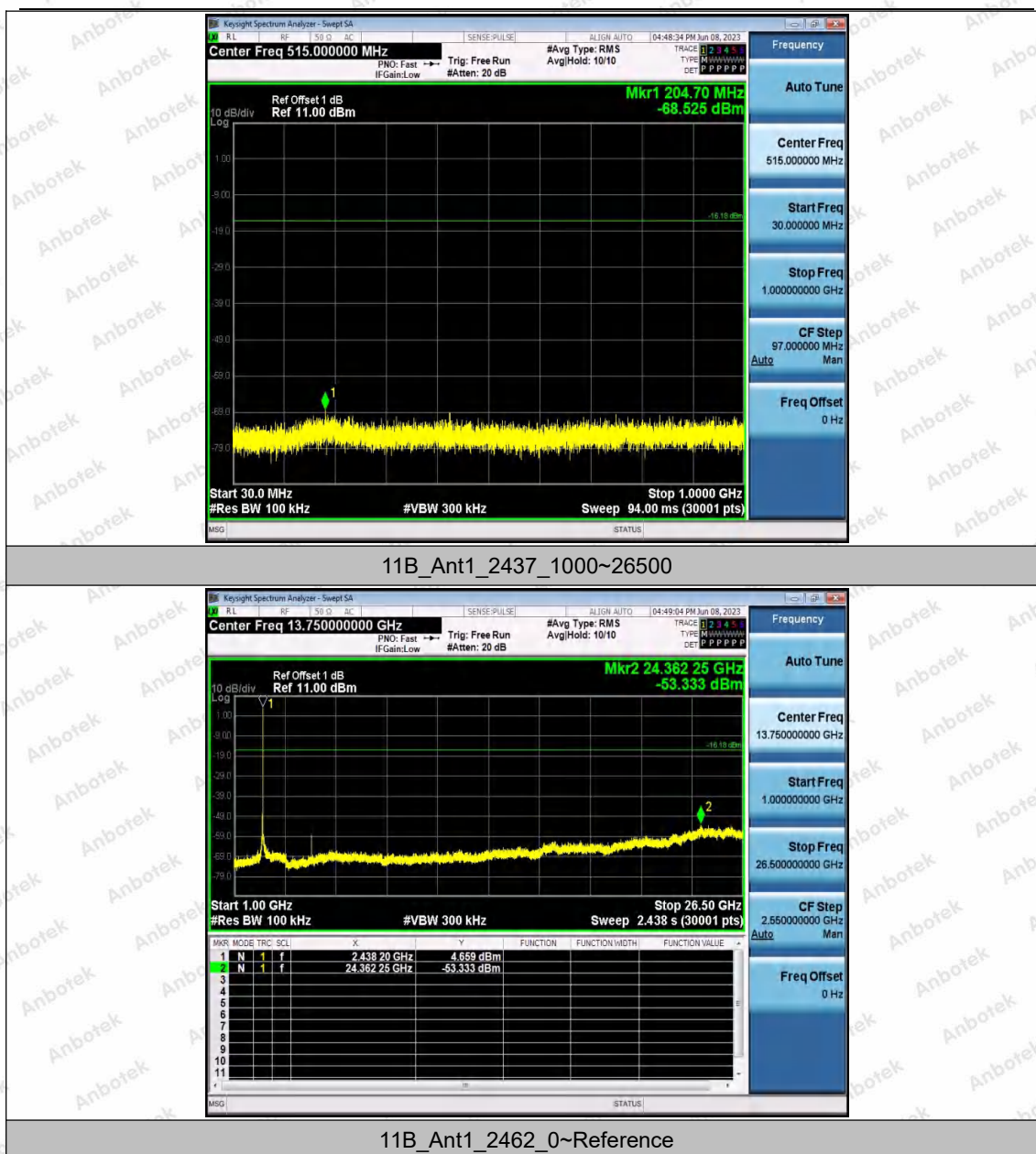
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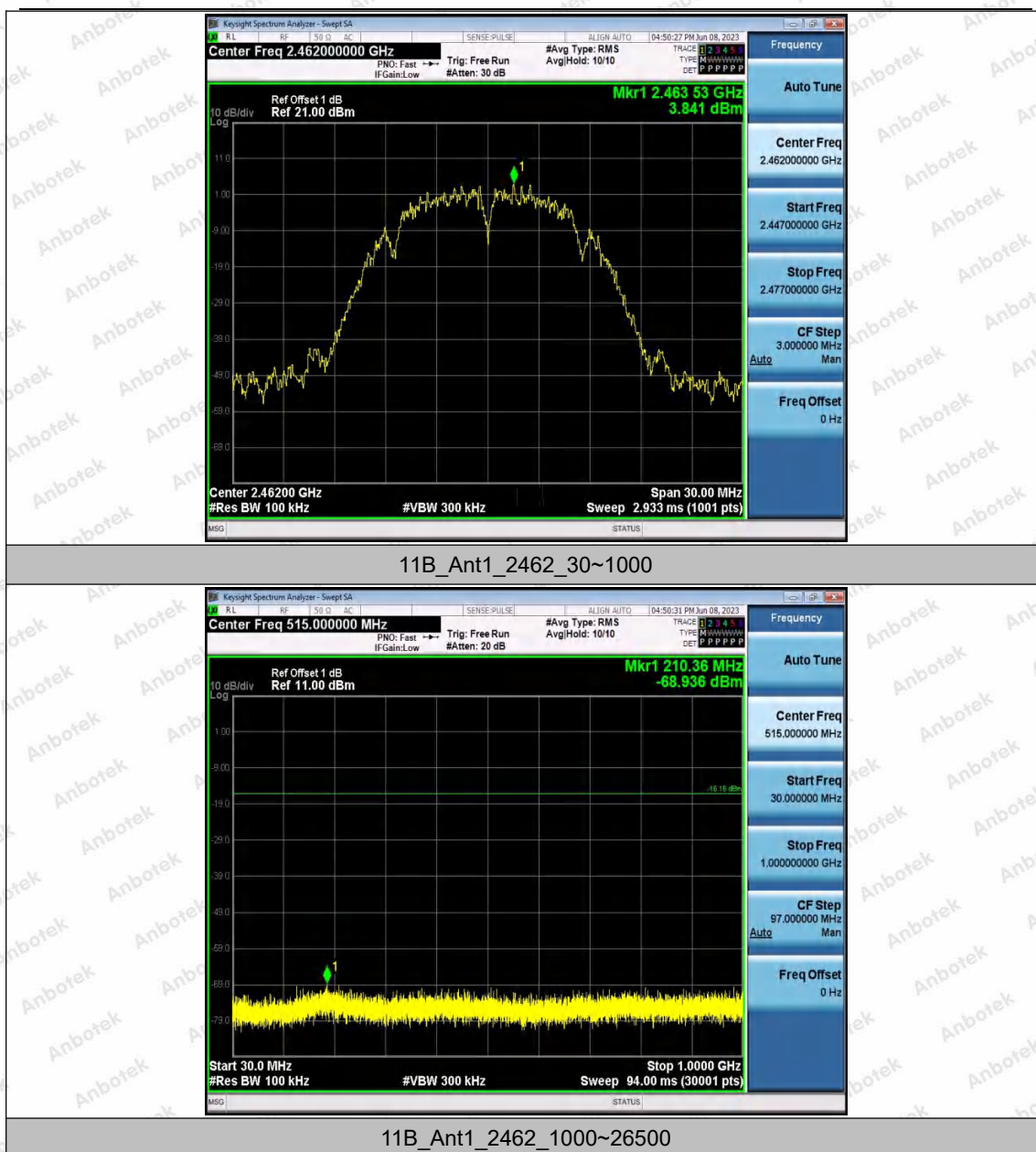
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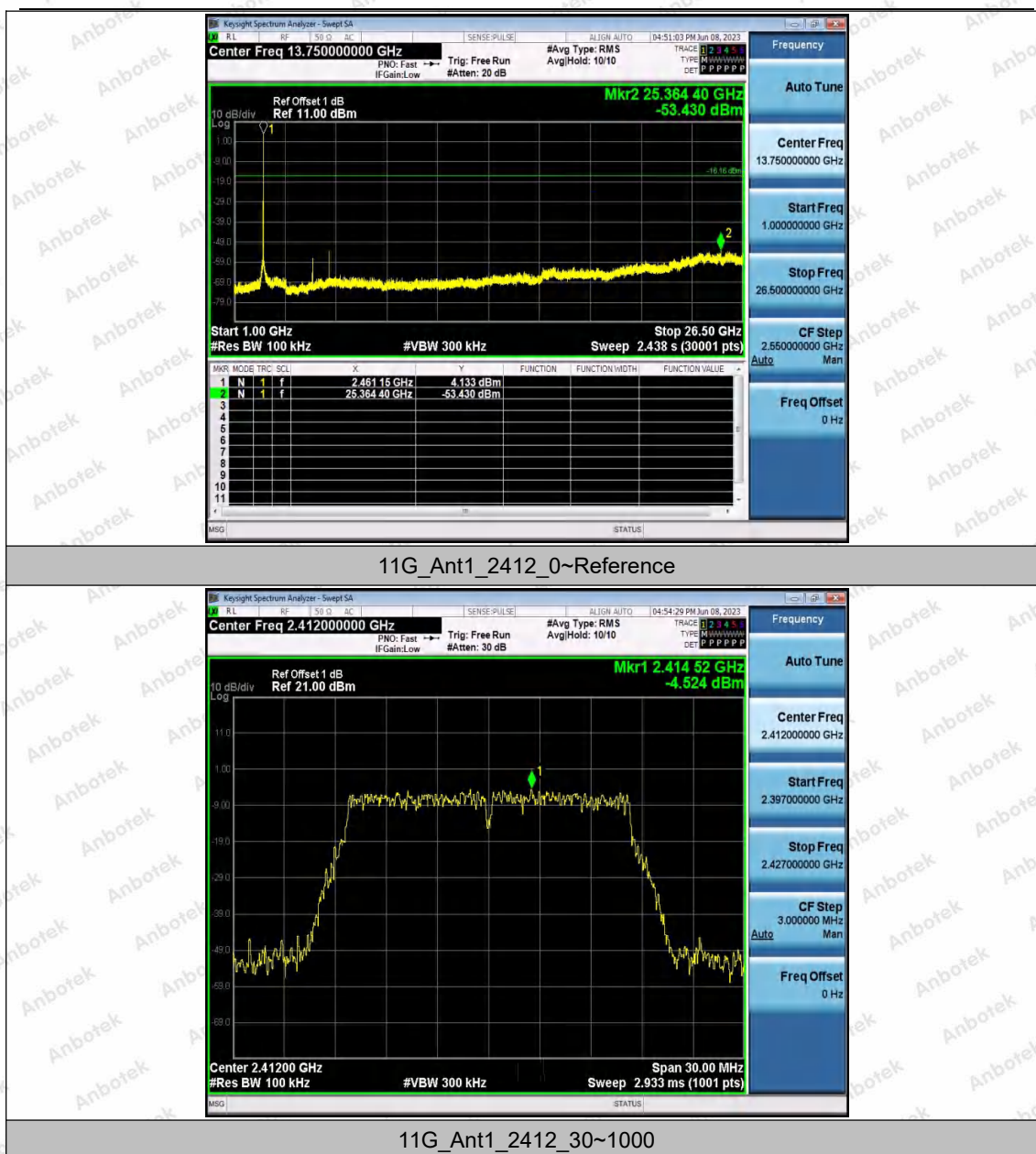
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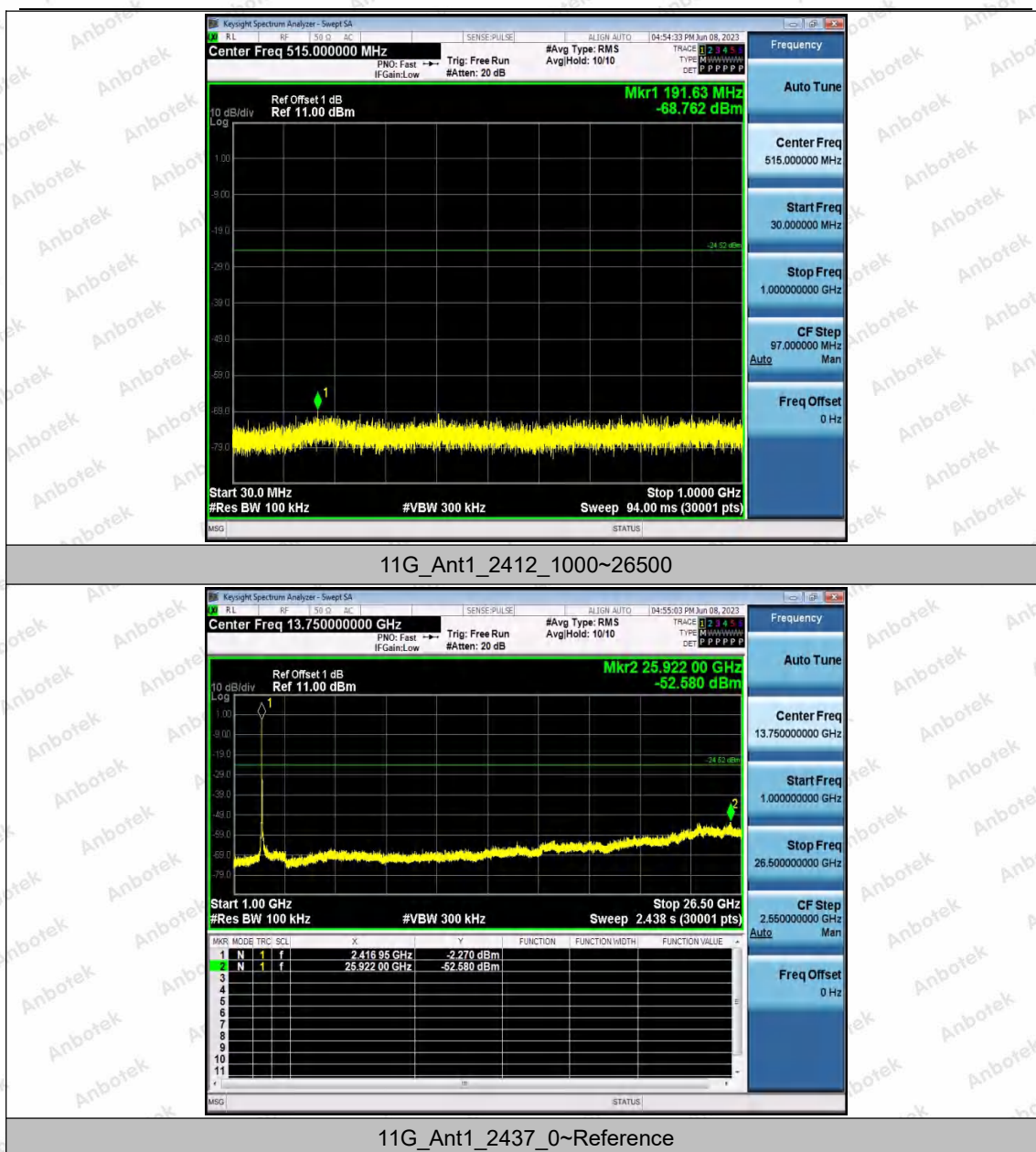
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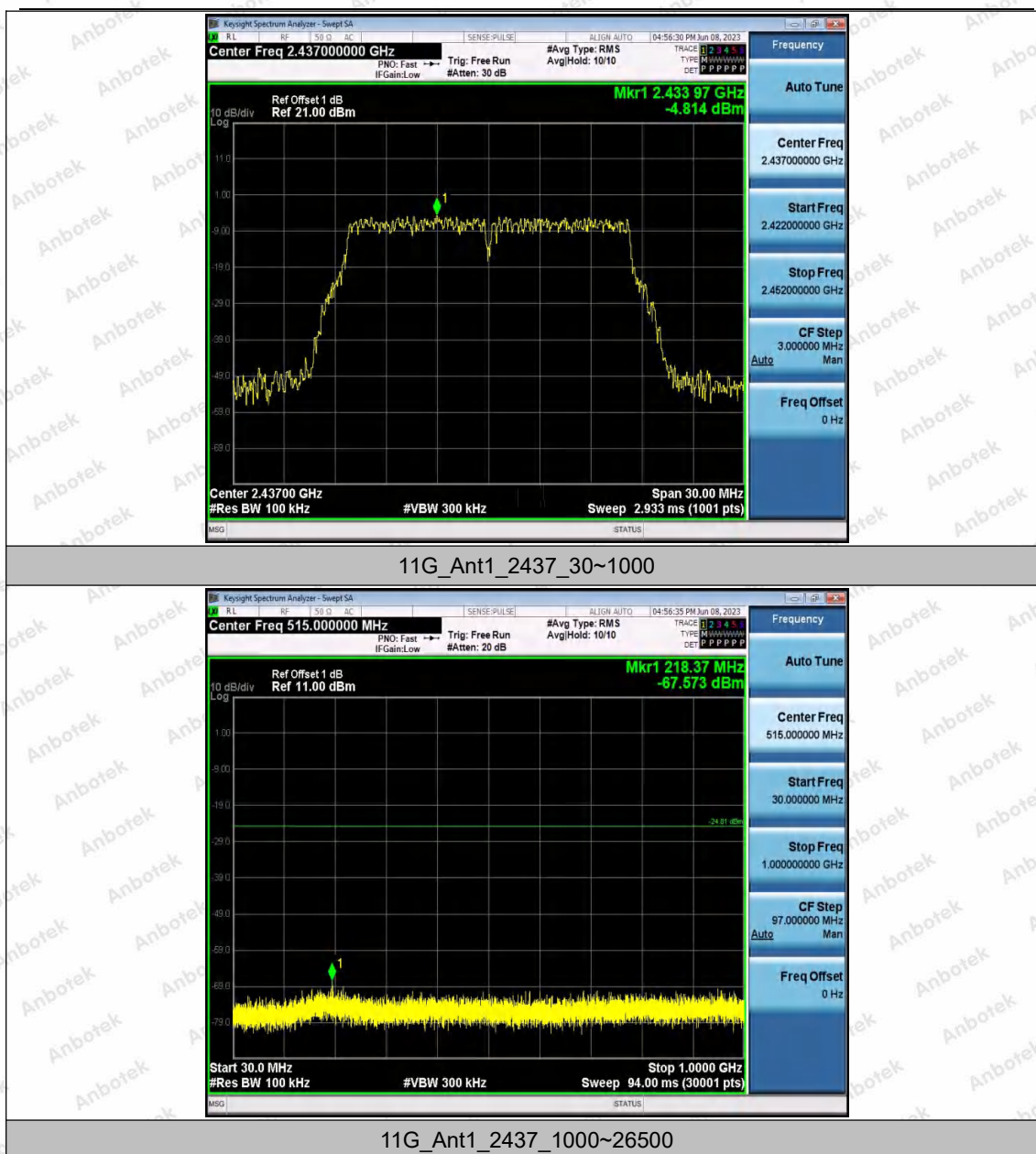
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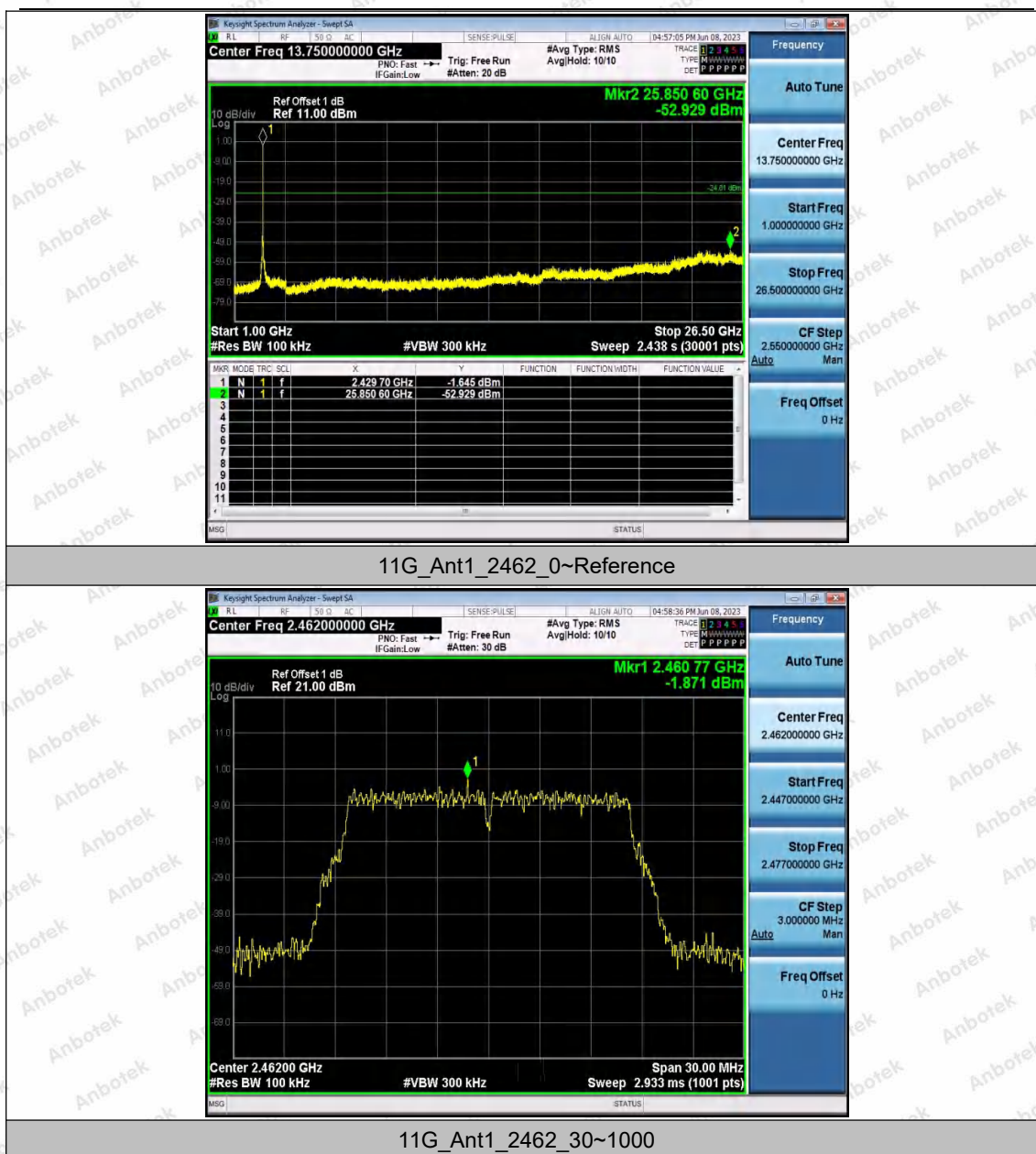
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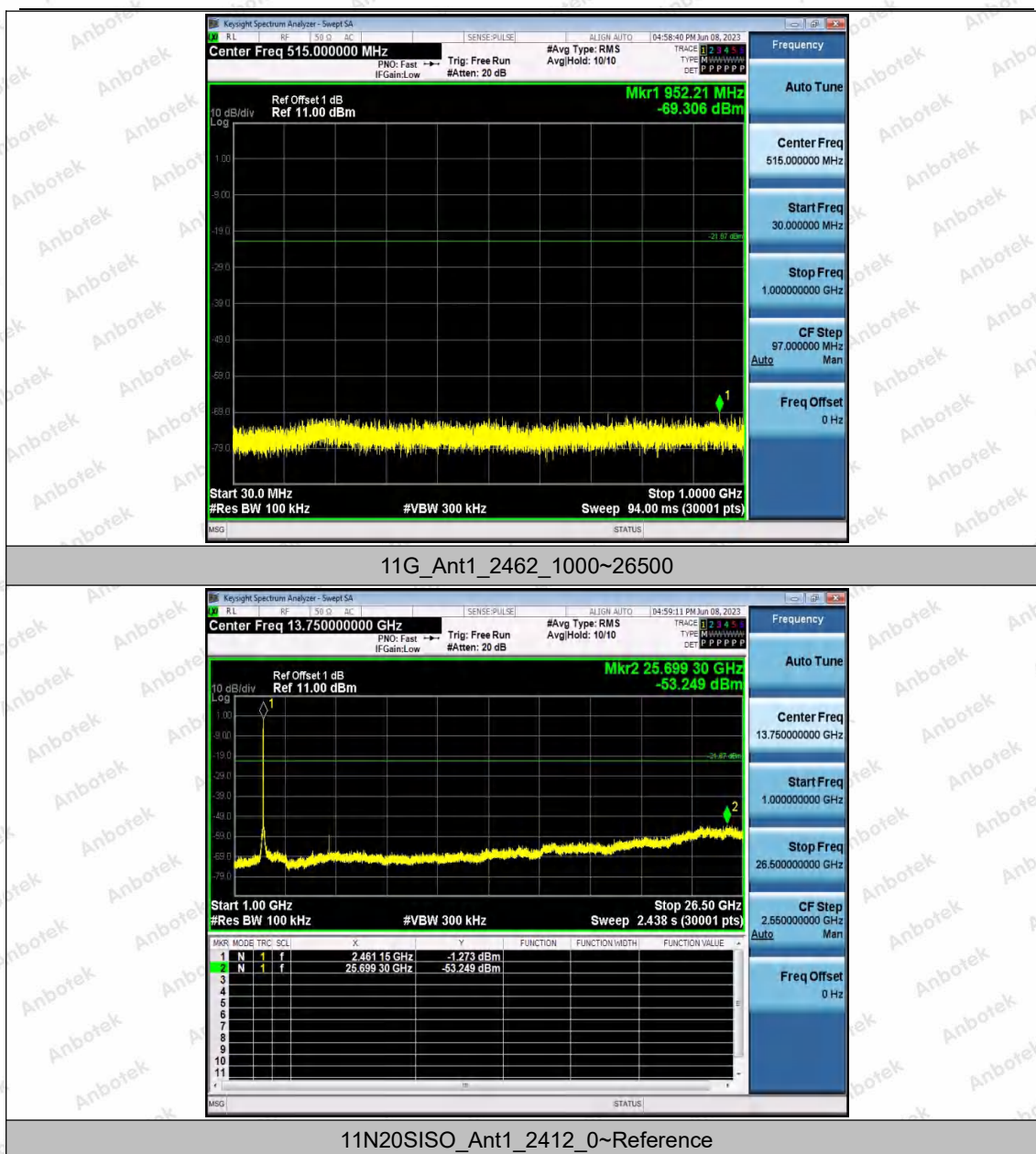
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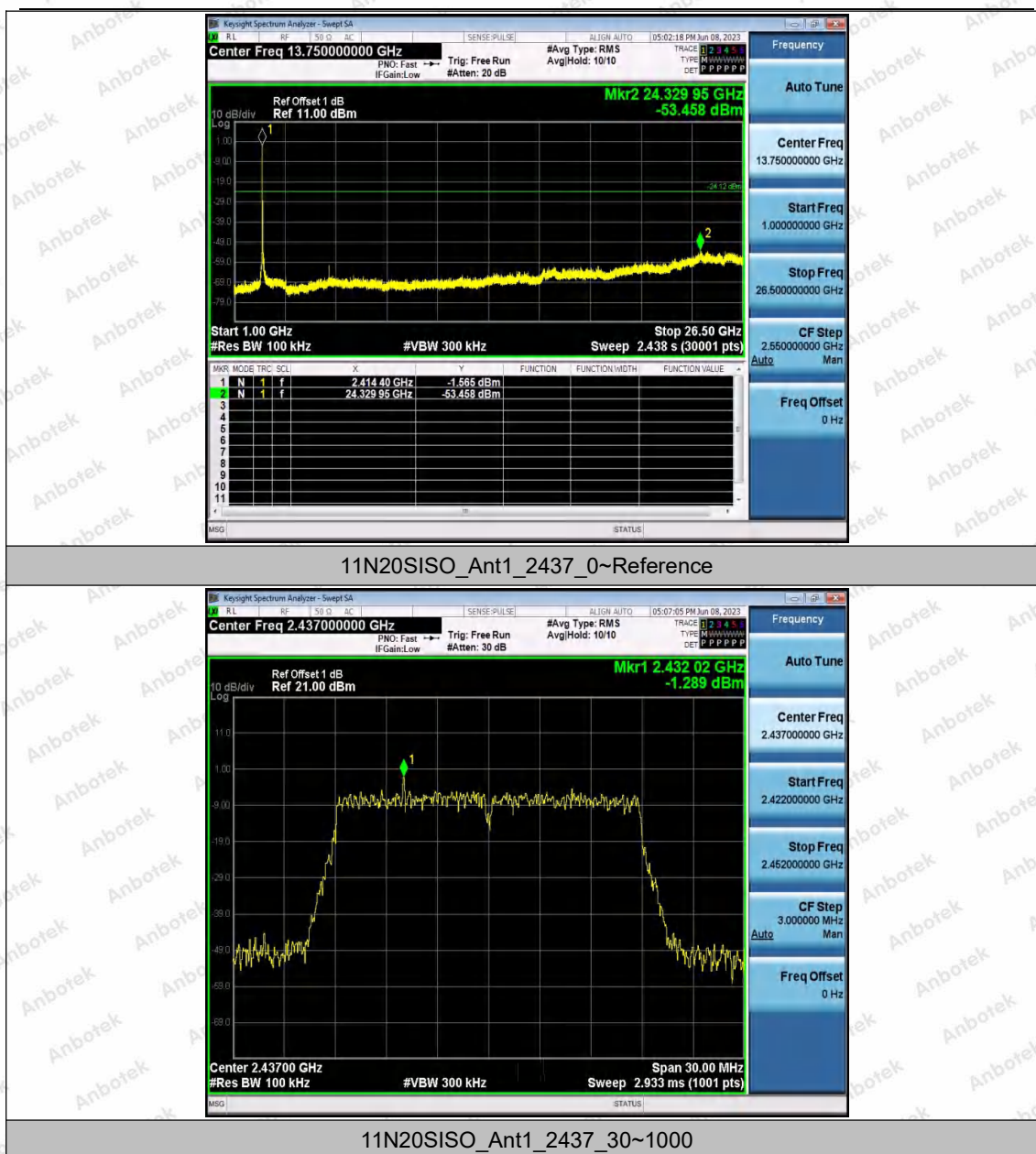
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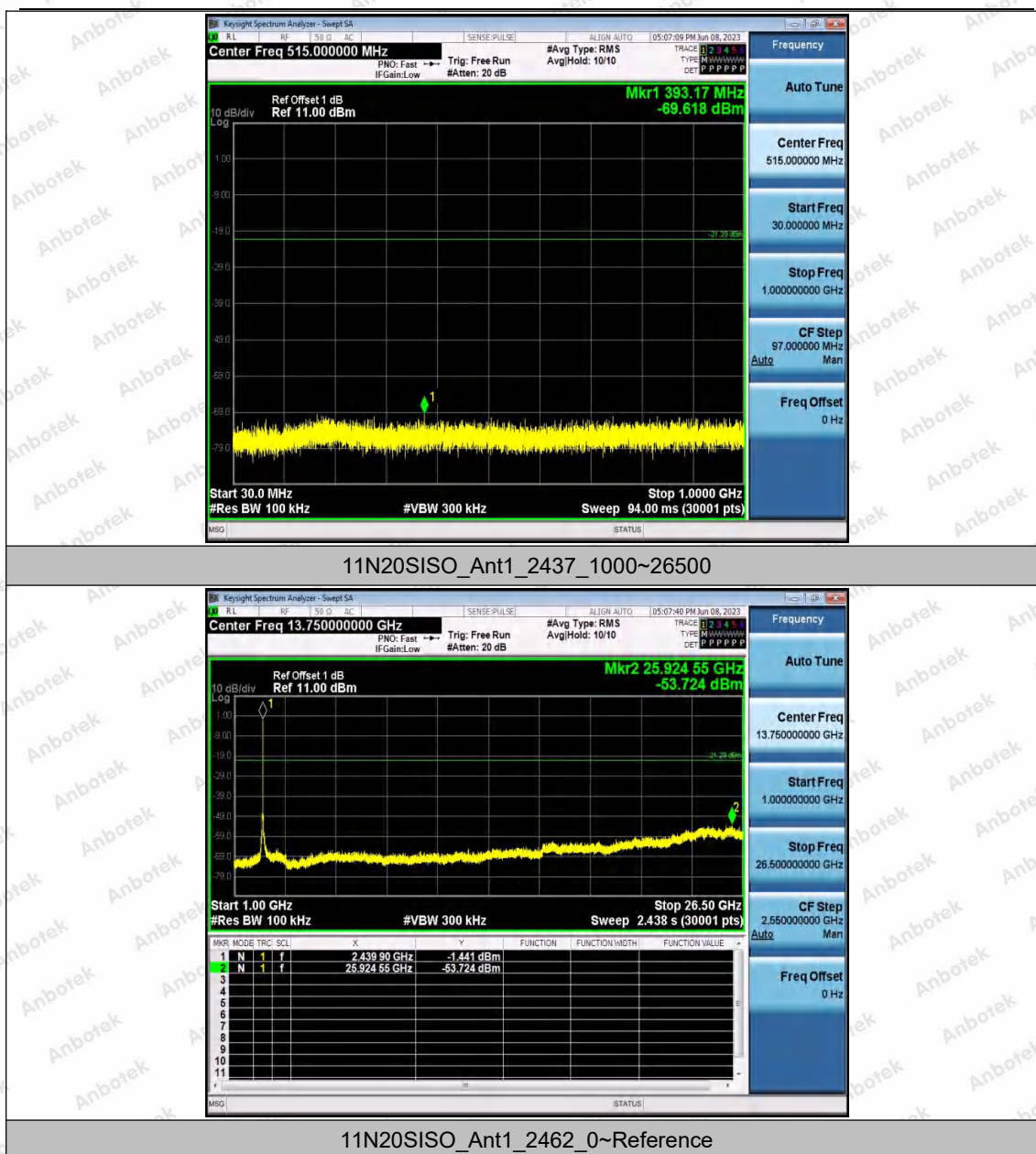
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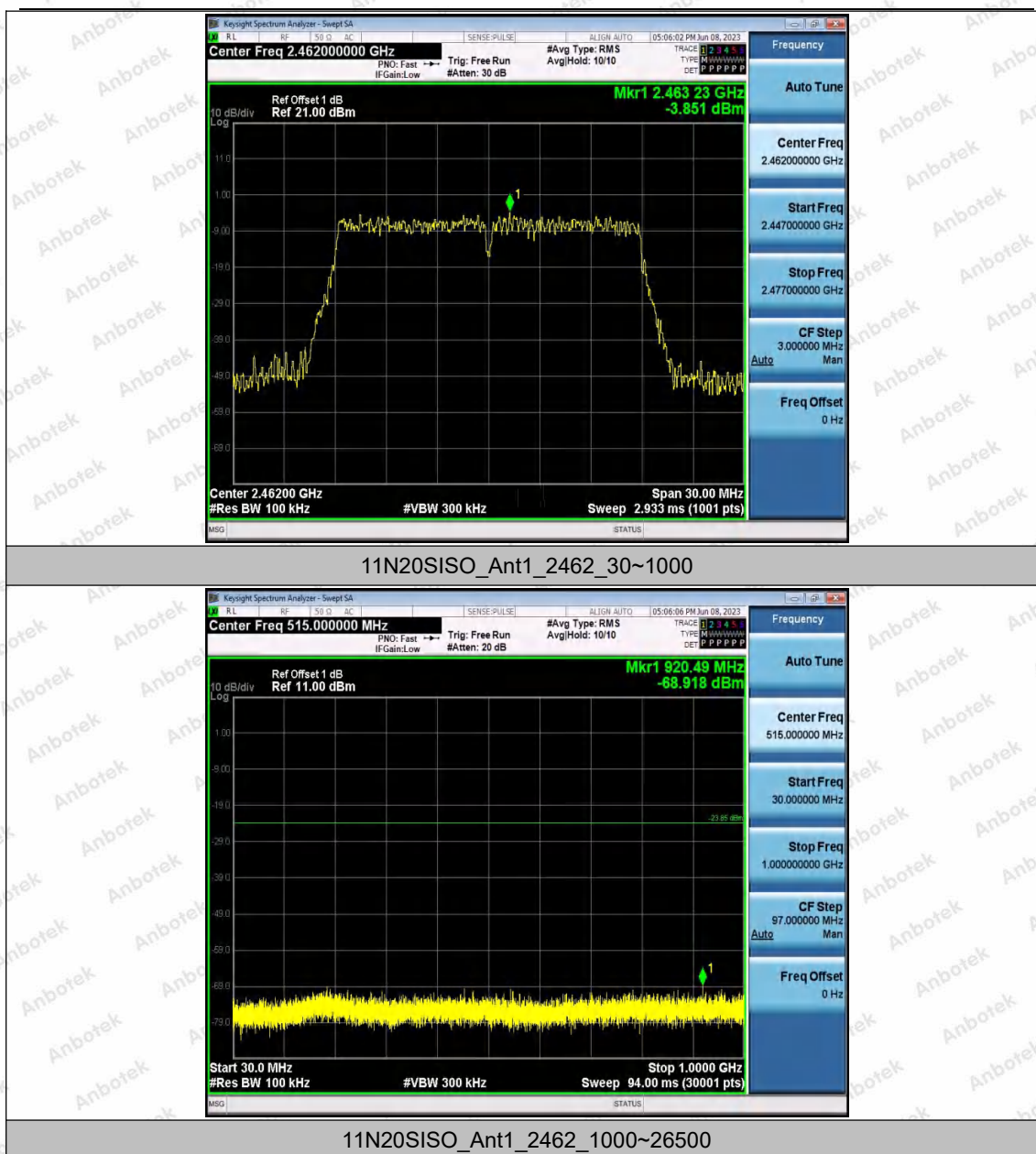
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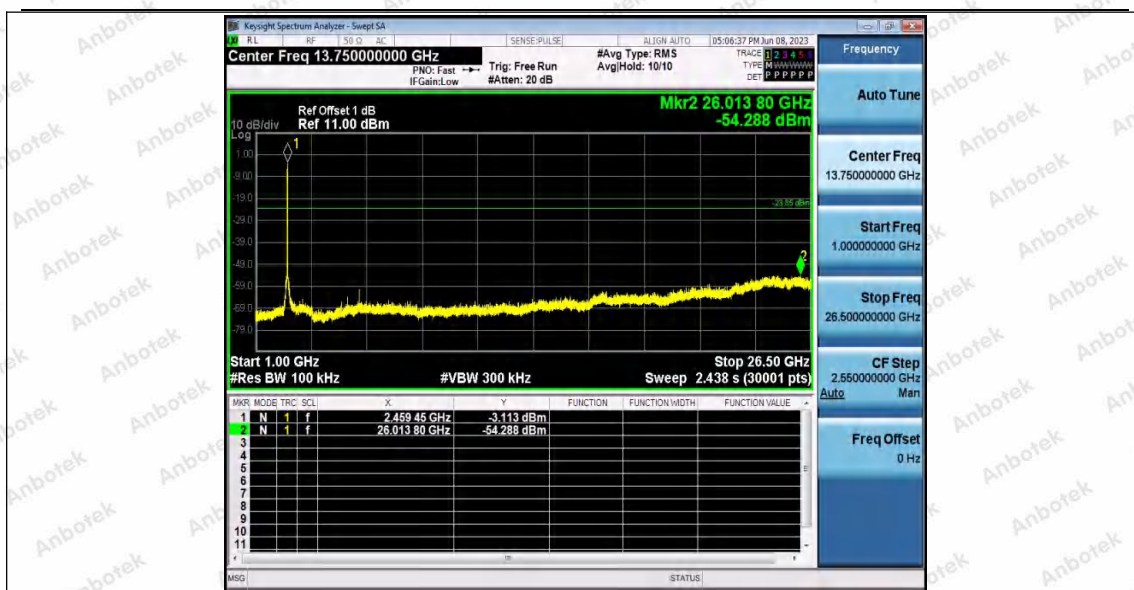
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
		2437	8.39	8.42	99.64	0.02
		2462	8.39	8.41	99.76	0.01
11G	Ant1	2412	1.40	1.43	97.90	0.09
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
		2437	1.30	1.33	97.74	0.10
		2462	1.30	1.34	97.01	0.13



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

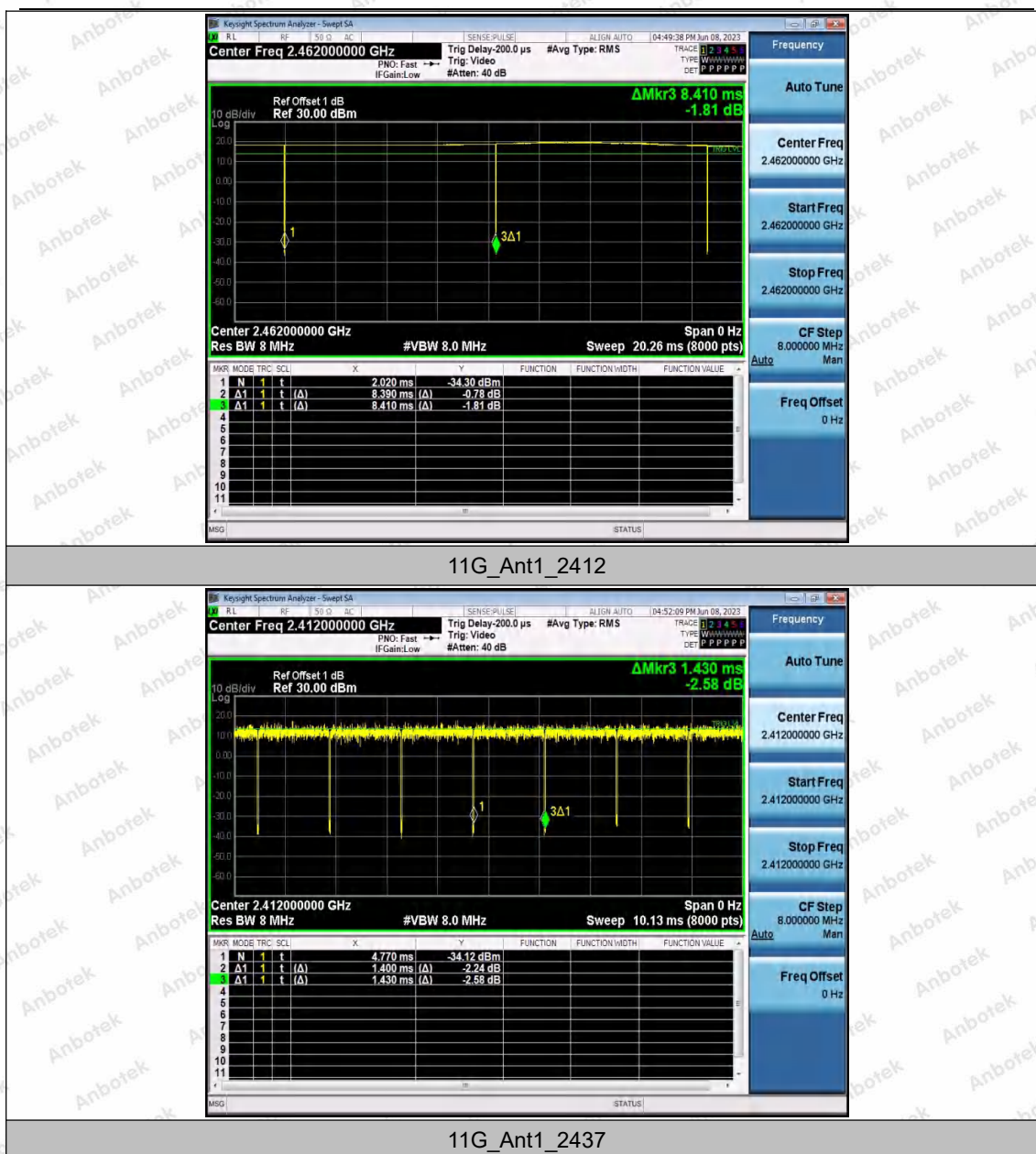
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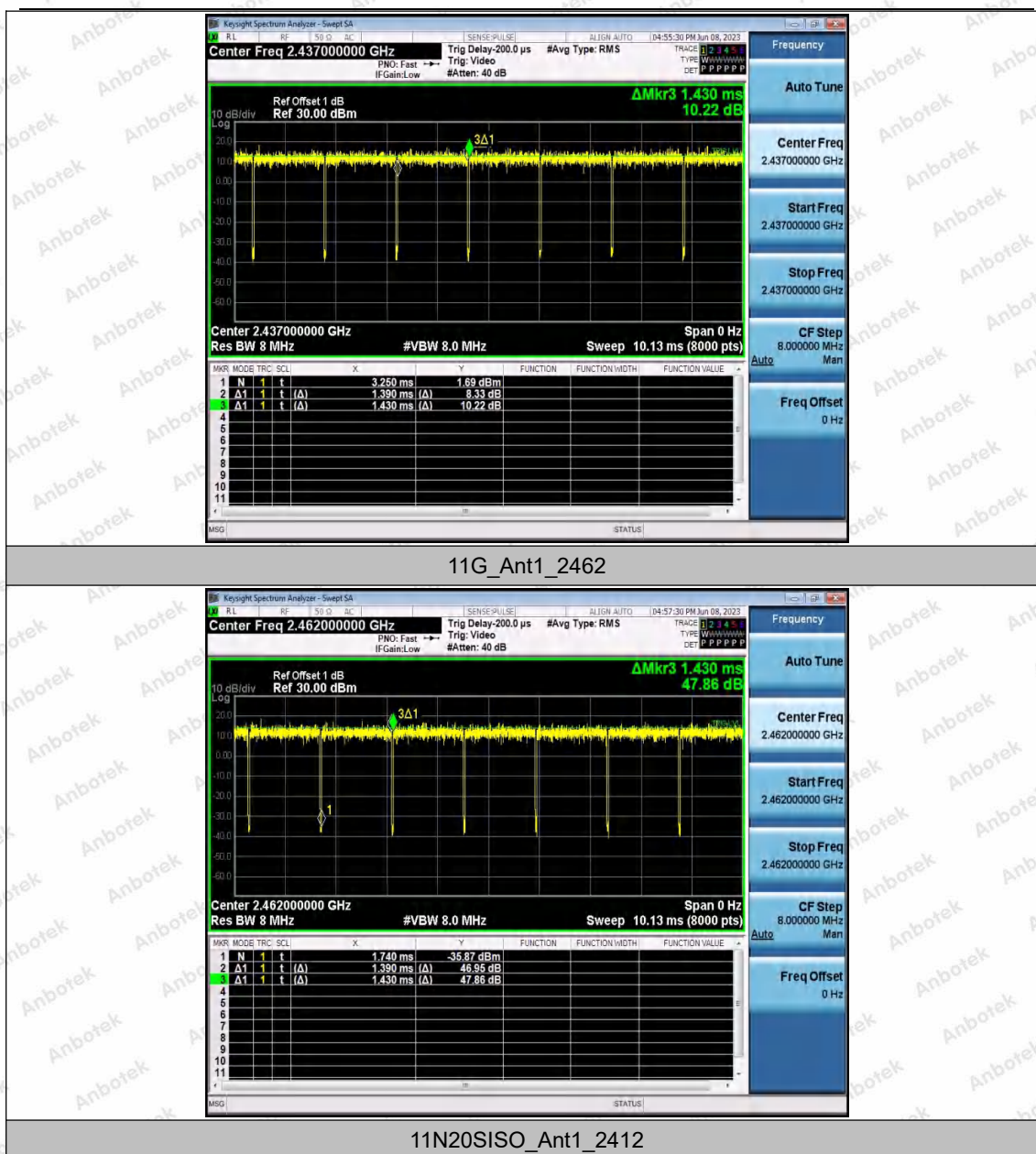
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
 400-003-0500
 www.anbotek.com.cn



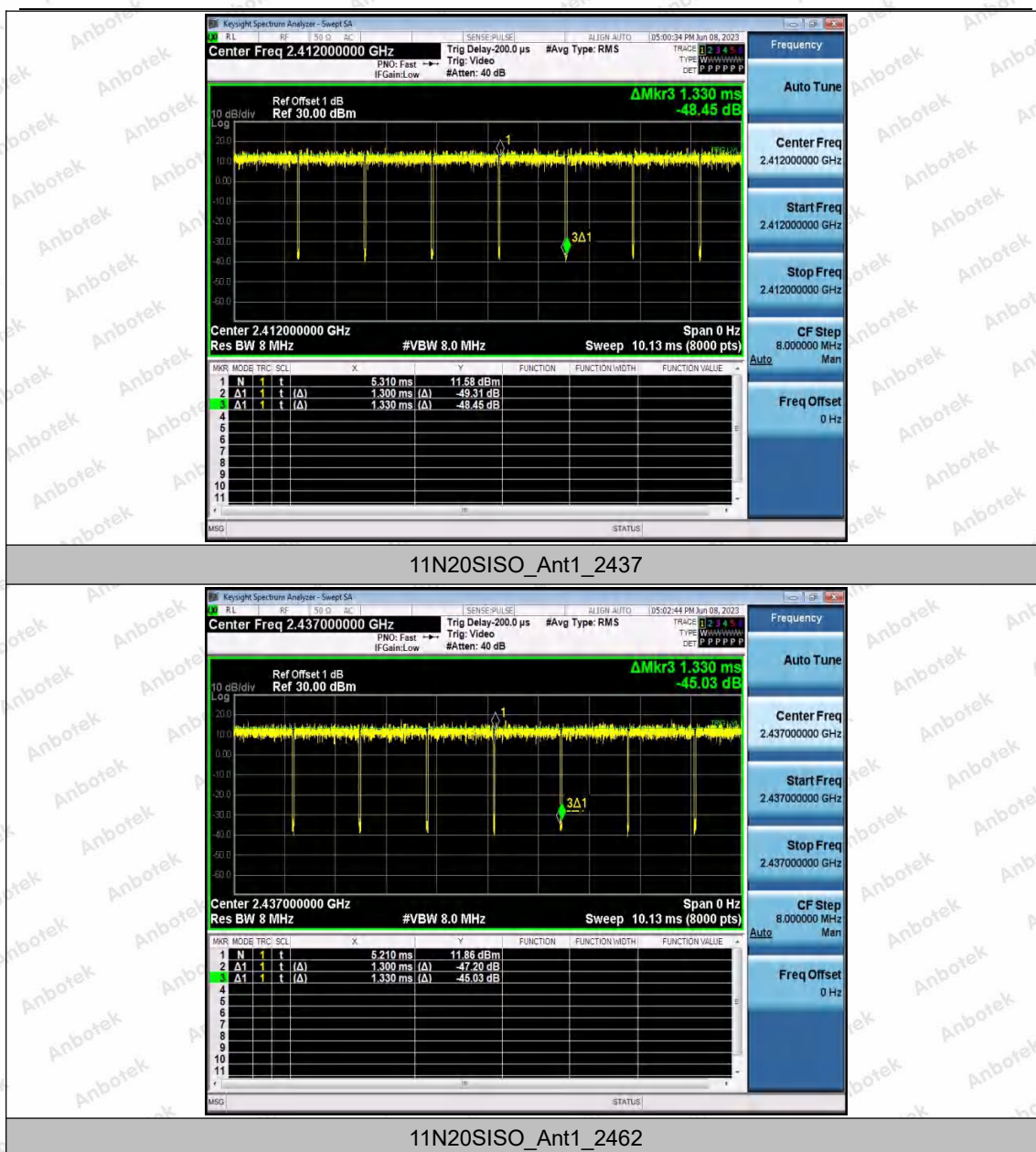
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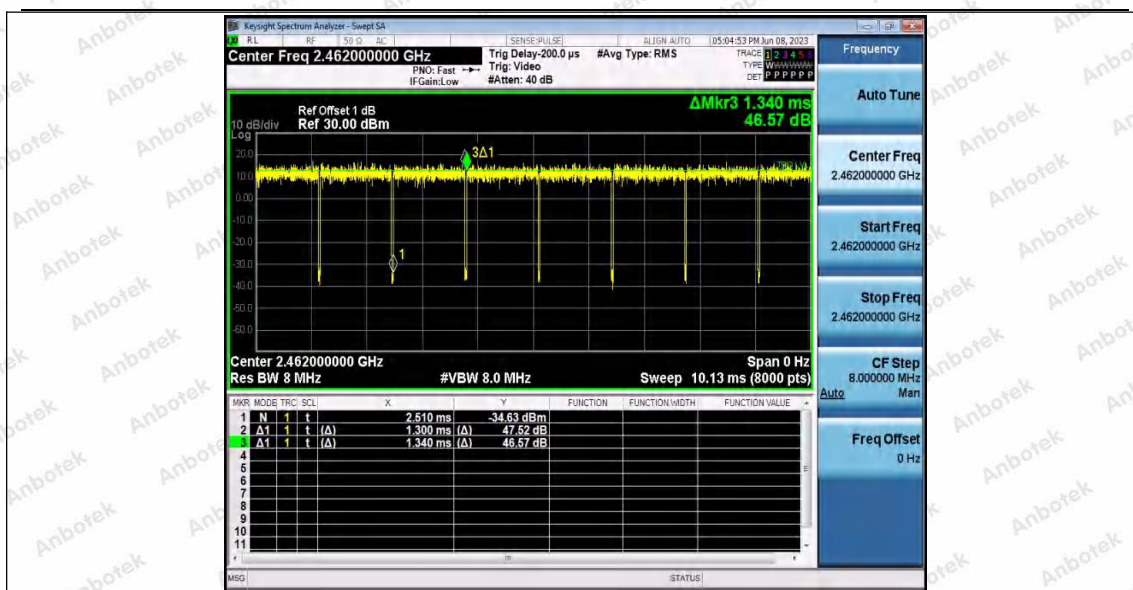
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