

Appendix Test Data

Report No.:	18220WC30193202	Test Sample No.:	1-2-2
Start Test Date:	2023.09.06	Finish Test Date:	2023.09.07
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	≥0.5	PASS
		2437	9.080	2432.440	2441.520	≥0.5	PASS
		2462	9.040	2457.480	2466.520	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥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	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.520	2428.240	2445.760	≥0.5	PASS
		2462	17.520	2453.240	2470.760	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2462



11N20SISO_Ant1_2412

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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	14.066	2404.9622	2419.0282	---	---
		2437	14.067	2429.9603	2444.0273	---	---
		2462	14.063	2454.9600	2469.0230	---	---
11G	Ant1	2412	17.207	2403.4264	2420.6334	---	---
		2437	17.225	2428.3857	2445.6107	---	---
		2462	17.236	2453.4077	2470.6437	---	---
11N20SISO	Ant1	2412	18.296	2402.9539	2421.2499	---	---
		2437	18.204	2427.9615	2446.1655	---	---
		2462	18.271	2452.9236	2471.1946	---	---



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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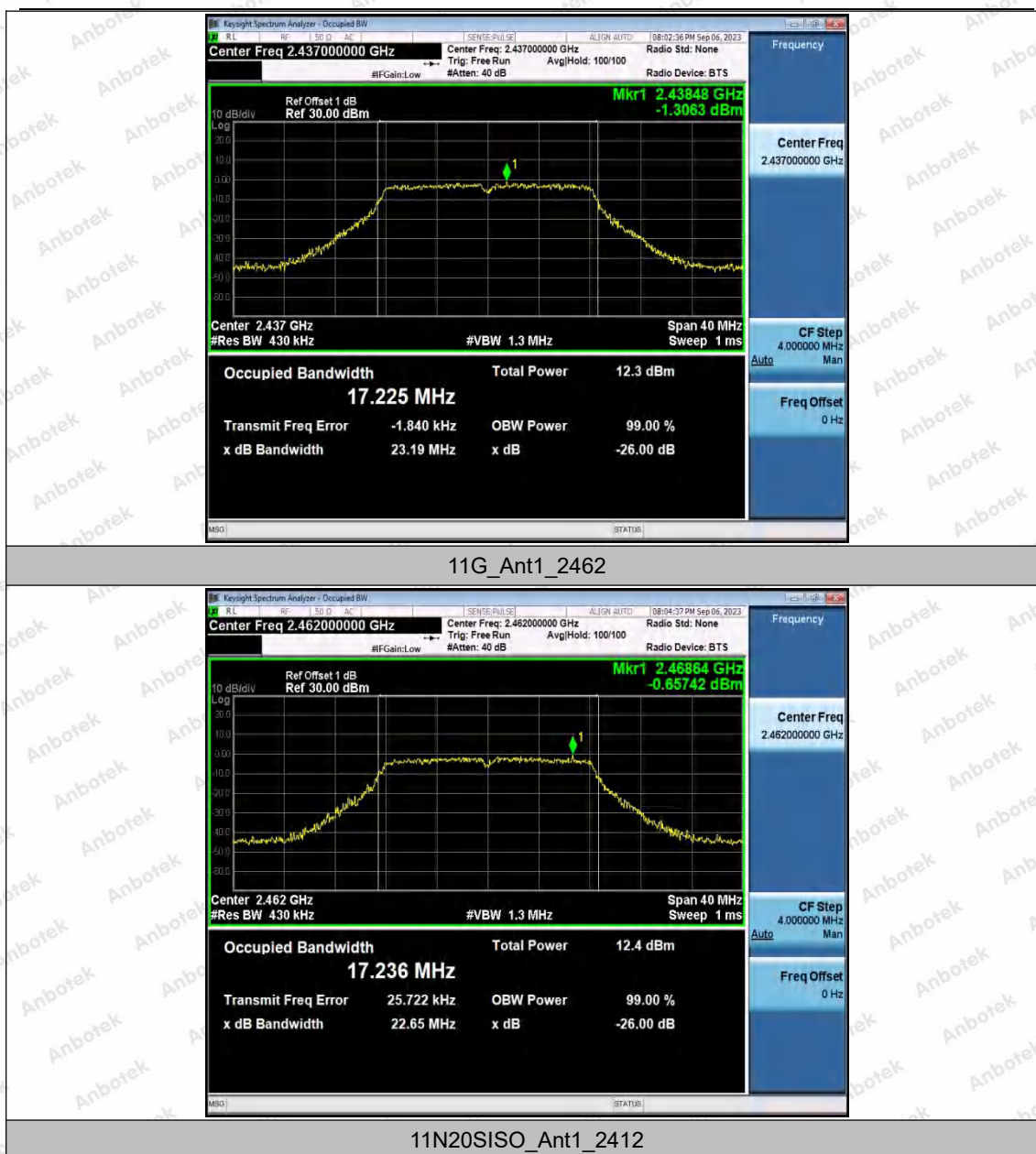
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	13.37	≤30.00
		2437	13.50	≤30.00
		2462	13.68	≤30.00
11G	Ant1	2412	13.16	≤30.00
		2437	13.45	≤30.00
		2462	13.63	≤30.00
11N20SISO	Ant1	2412	13.19	≤30.00
		2437	13.37	≤30.00
		2462	13.54	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.44	≤8.00	PASS
		2437	-12.39	≤8.00	PASS
		2462	-12.25	≤8.00	PASS
11G	Ant1	2412	-19.69	≤8.00	PASS
		2437	-18.82	≤8.00	PASS
		2462	-18.75	≤8.00	PASS
11N20SISO	Ant1	2412	-20.00	≤8.00	PASS
		2437	-19.23	≤8.00	PASS
		2462	-19.02	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

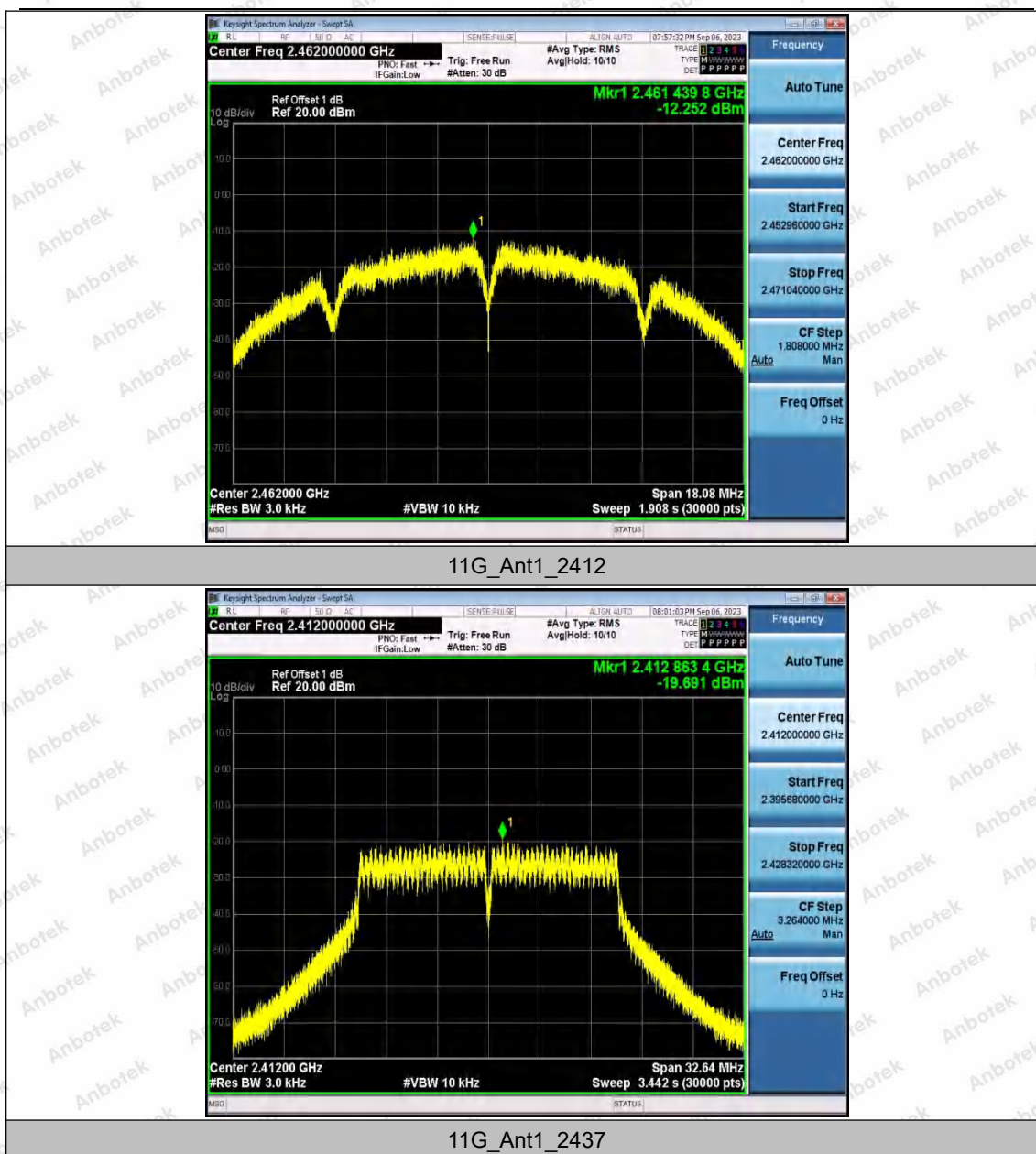
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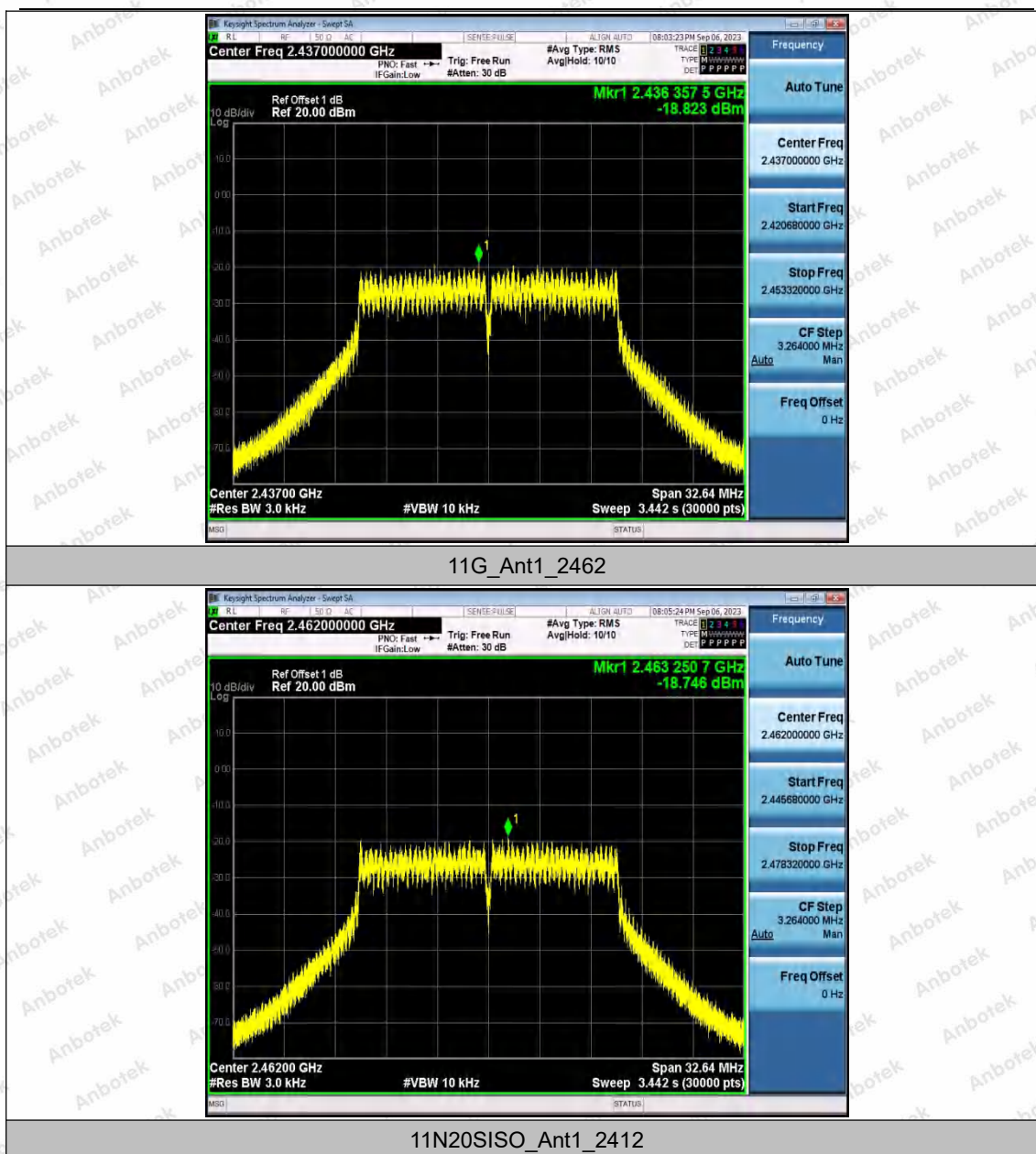
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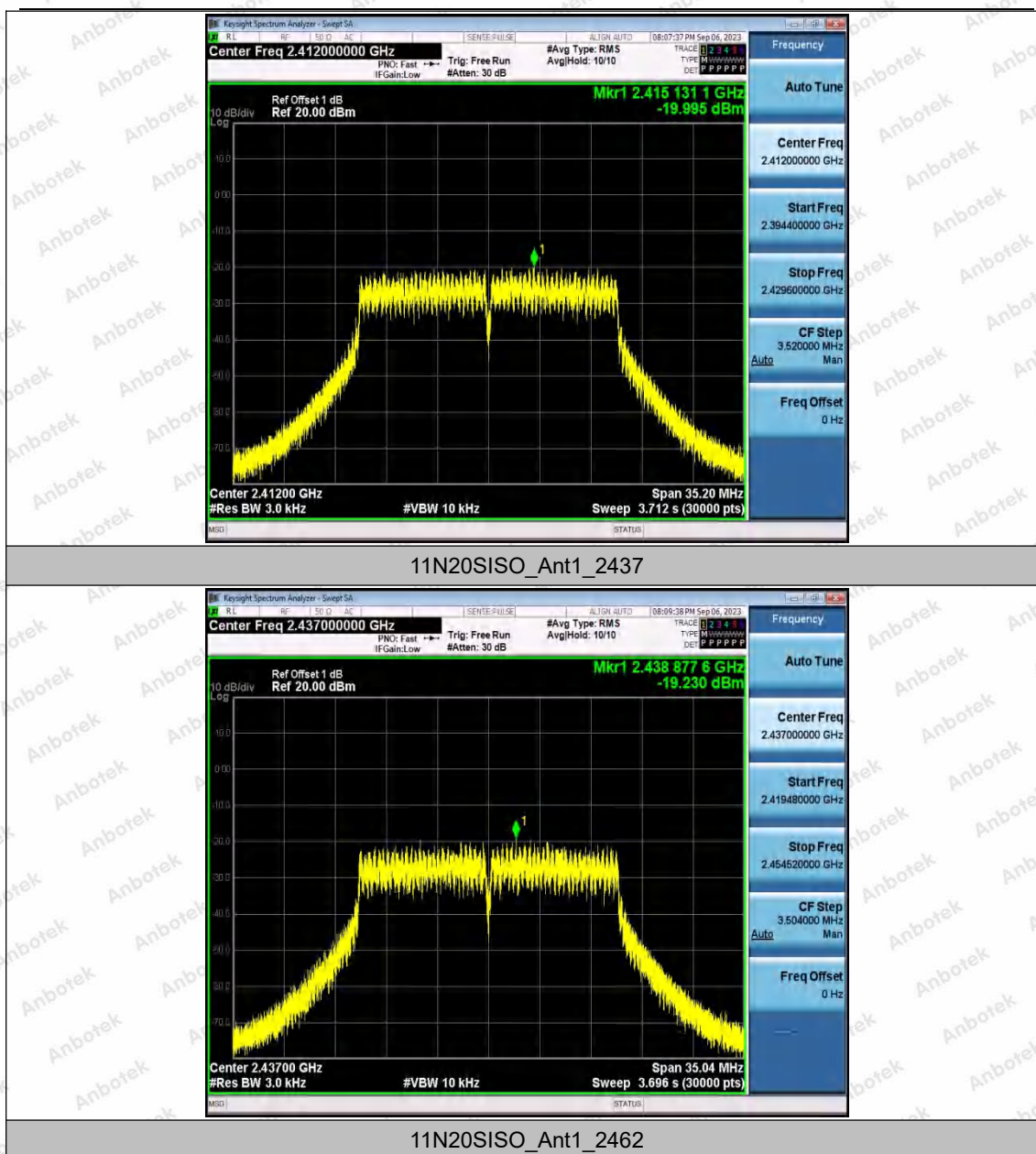
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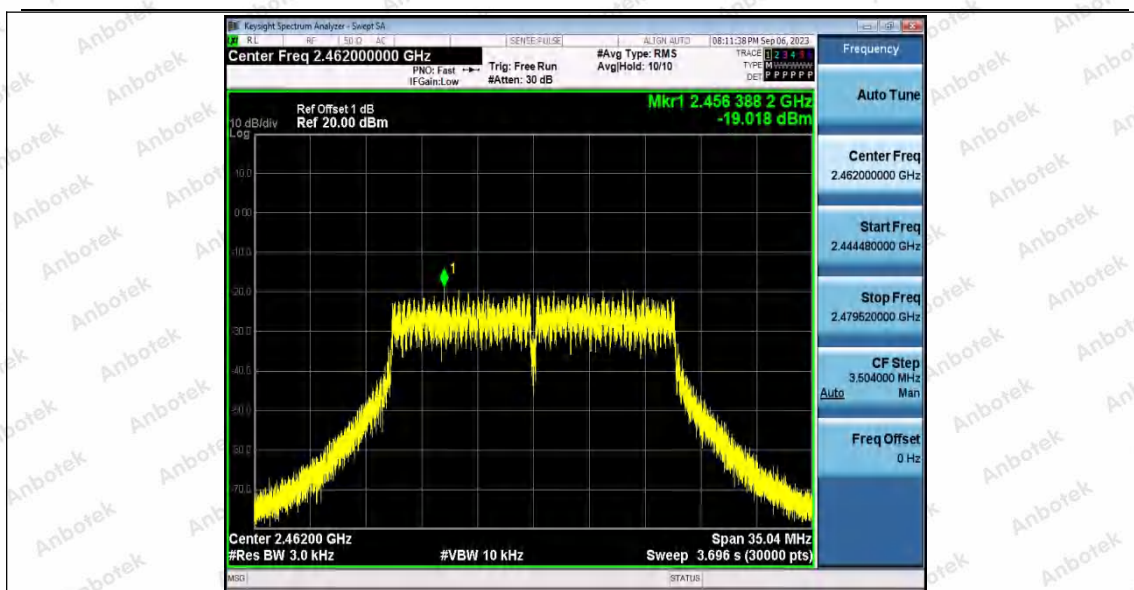
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.52	-48.6	≤-18.48	PASS
		High	2462	1.36	-55.99	≤-18.64	PASS
11G	Ant1	Low	2412	-6.61	-41.5	≤-26.61	PASS
		High	2462	-6.17	-55.45	≤-26.17	PASS
11N20SISO	Ant1	Low	2412	-6.10	-39.69	≤-26.1	PASS
		High	2462	-4.90	-56.31	≤-24.9	PASS

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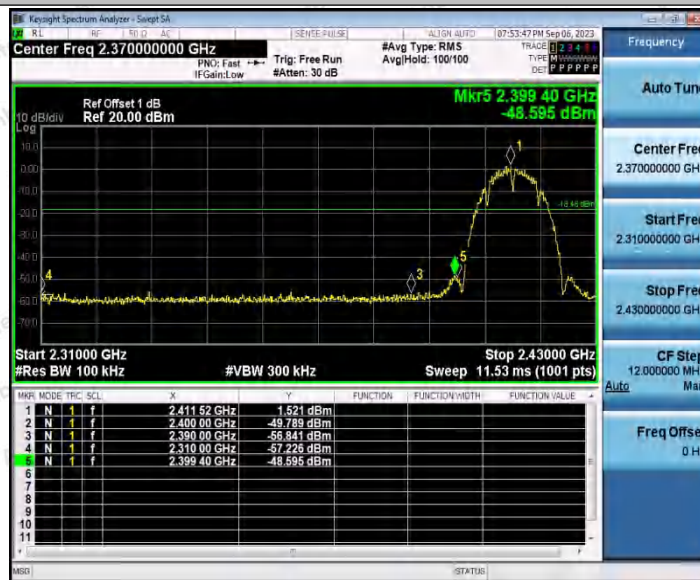


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Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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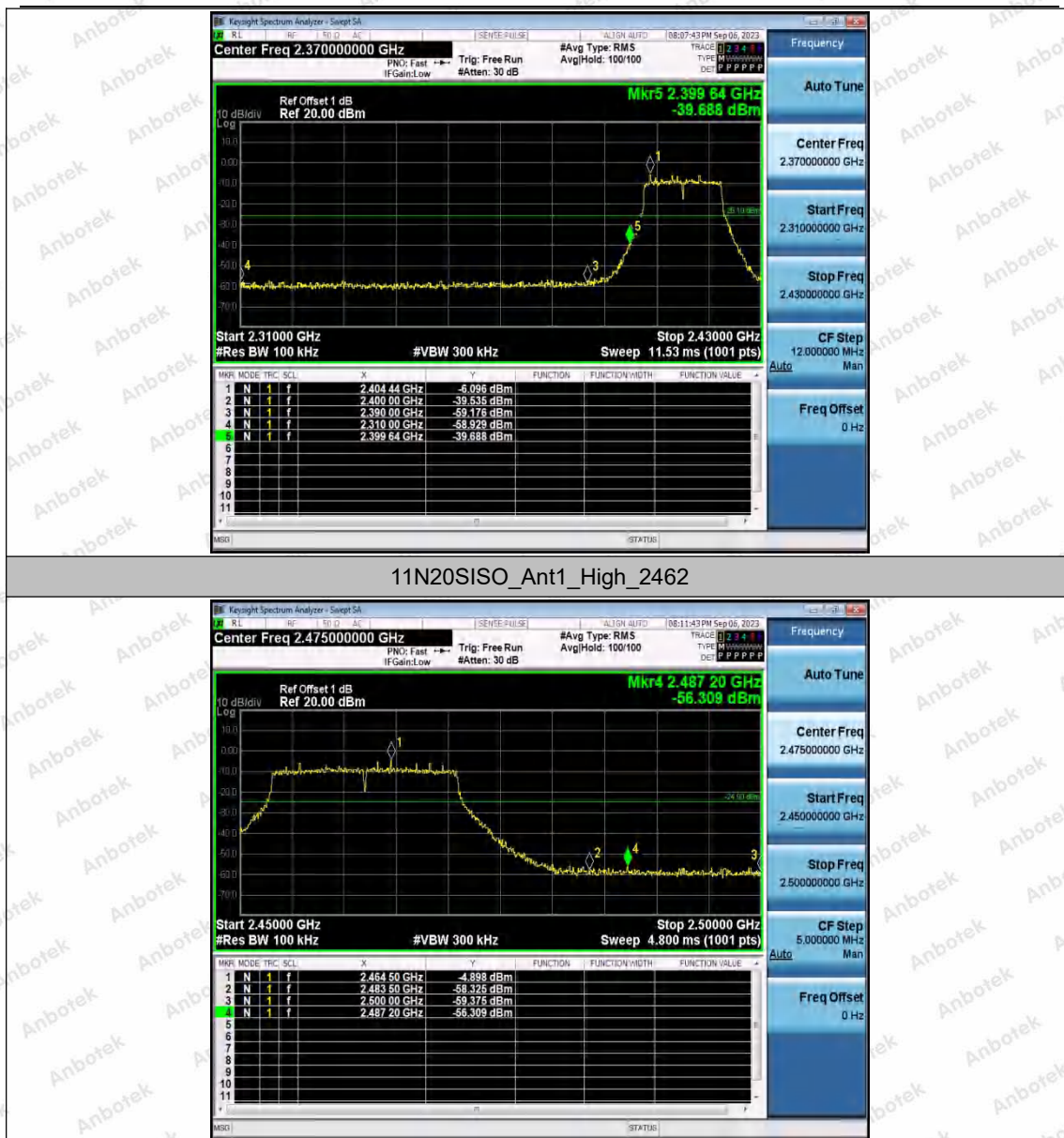
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-68.33	≤-18.25	PASS
			1000~26500	1.75	-53.87	≤-18.25	PASS
		2437	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-68.88	≤-18.54	PASS
			1000~26500	1.46	-53.79	≤-18.54	PASS
		2462	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-69	≤-19.64	PASS
			1000~26500	0.36	-53.81	≤-19.64	PASS
11G	Ant1	2412	Reference	-5.99	-5.99	---	PASS
			30~1000	-5.99	-68.78	≤-25.99	PASS
			1000~26500	-5.99	-53.48	≤-25.99	PASS
		2437	Reference	-8.35	-8.35	---	PASS
			30~1000	-8.35	-67.97	≤-28.35	PASS
			1000~26500	-8.35	-53.96	≤-28.35	PASS
		2462	Reference	-8.41	-8.41	---	PASS
			30~1000	-8.41	-68.72	≤-28.41	PASS
			1000~26500	-8.41	-53.87	≤-28.41	PASS
11N20SISO	Ant1	2412	Reference	-6.02	-6.02	---	PASS
			30~1000	-6.02	-67.57	≤-26.02	PASS
			1000~26500	-6.02	-53.44	≤-26.02	PASS
		2437	Reference	-8.41	-8.41	---	PASS
			30~1000	-8.41	-68.55	≤-28.41	PASS
			1000~26500	-8.41	-52.91	≤-28.41	PASS
		2462	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-68.14	≤-25.87	PASS
			1000~26500	-5.87	-53.38	≤-25.87	PASS



Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

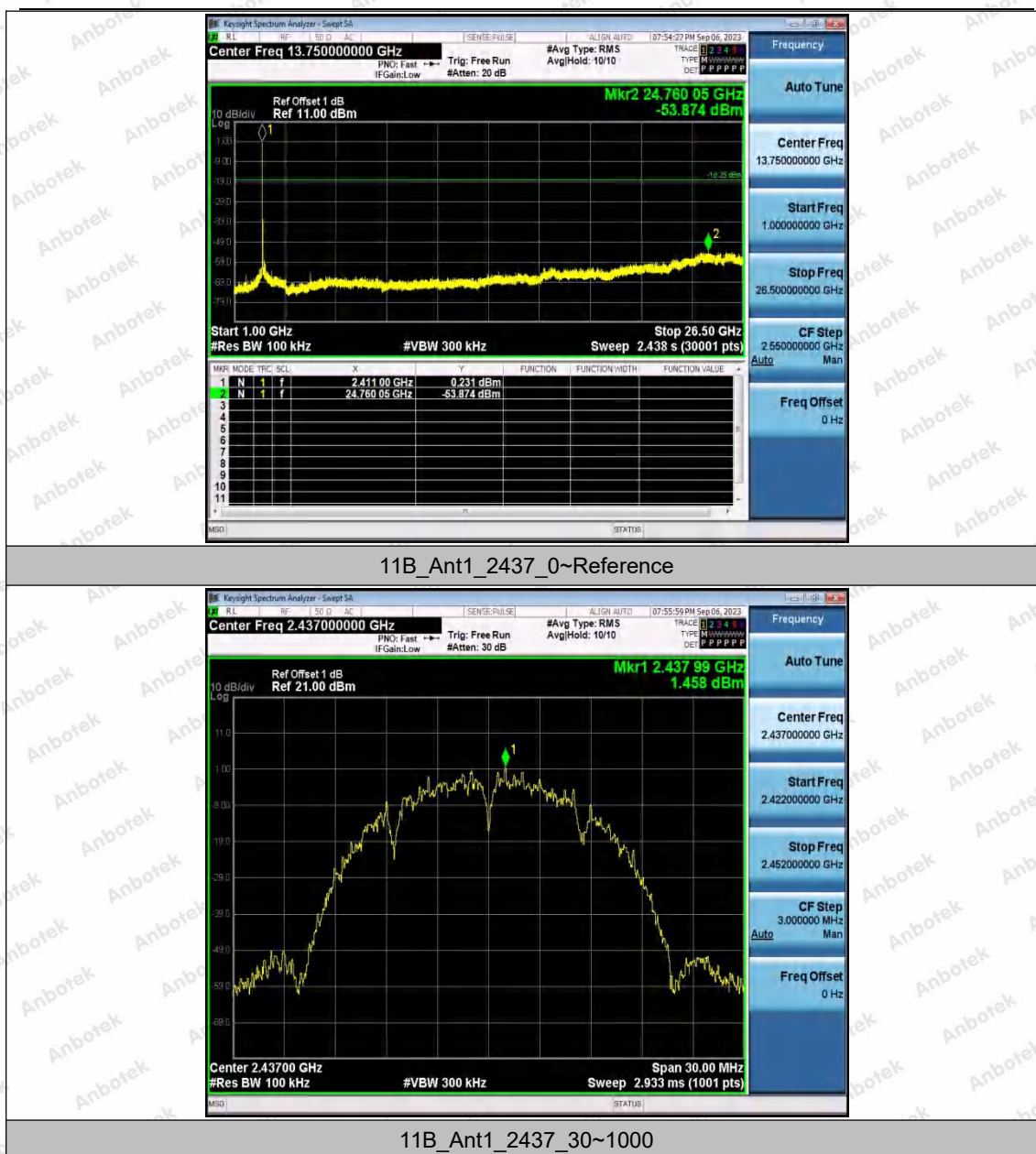
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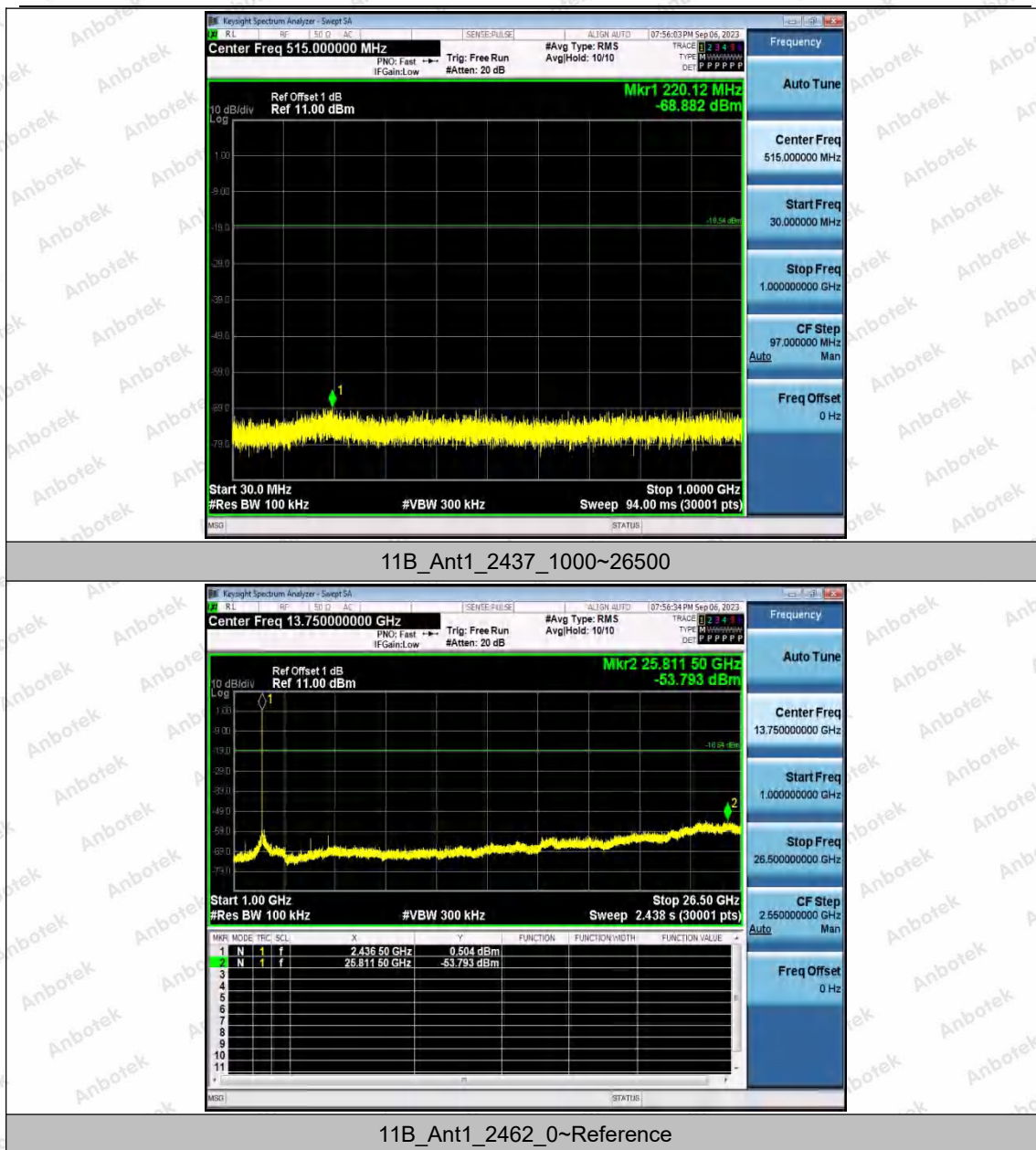
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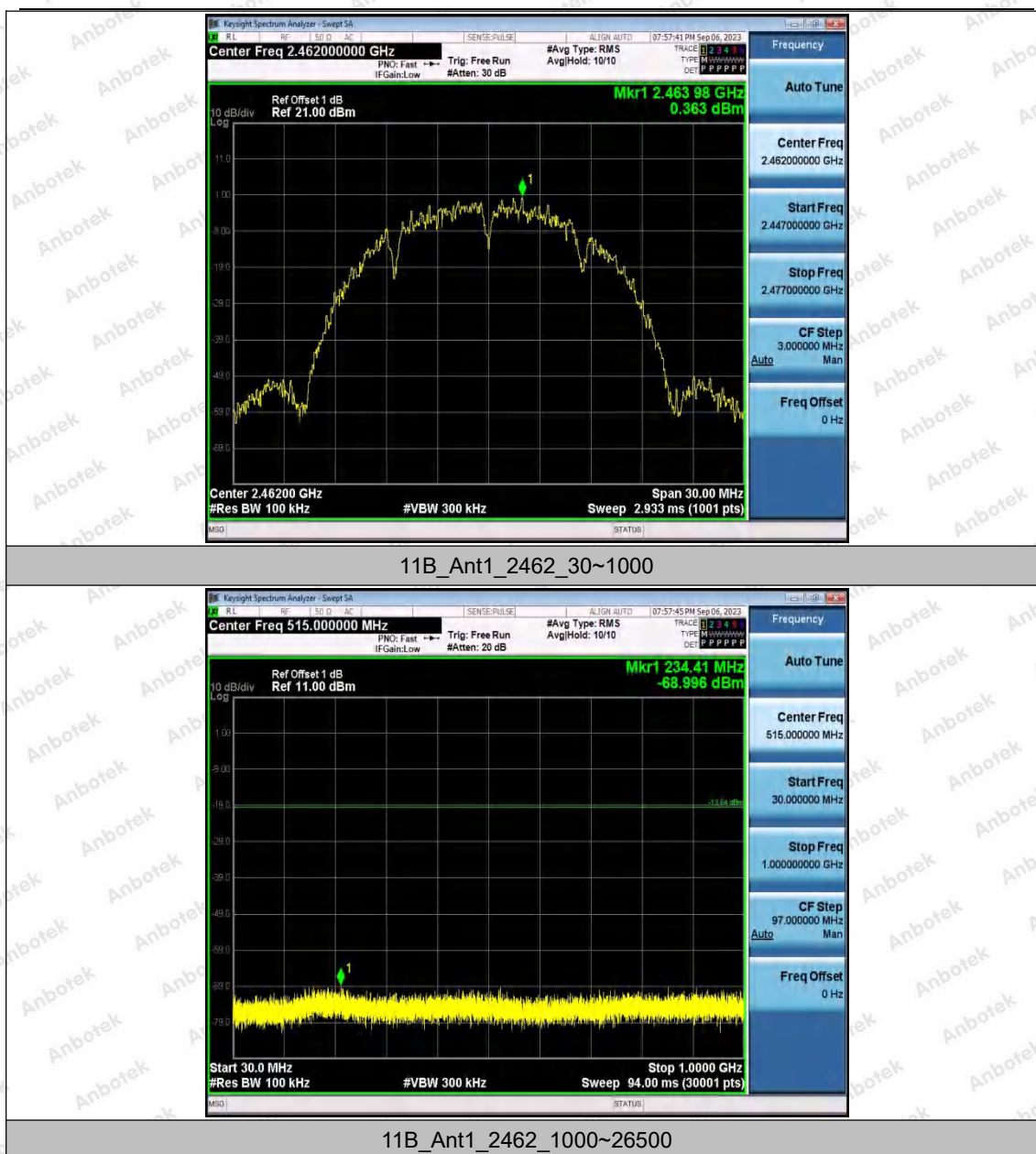
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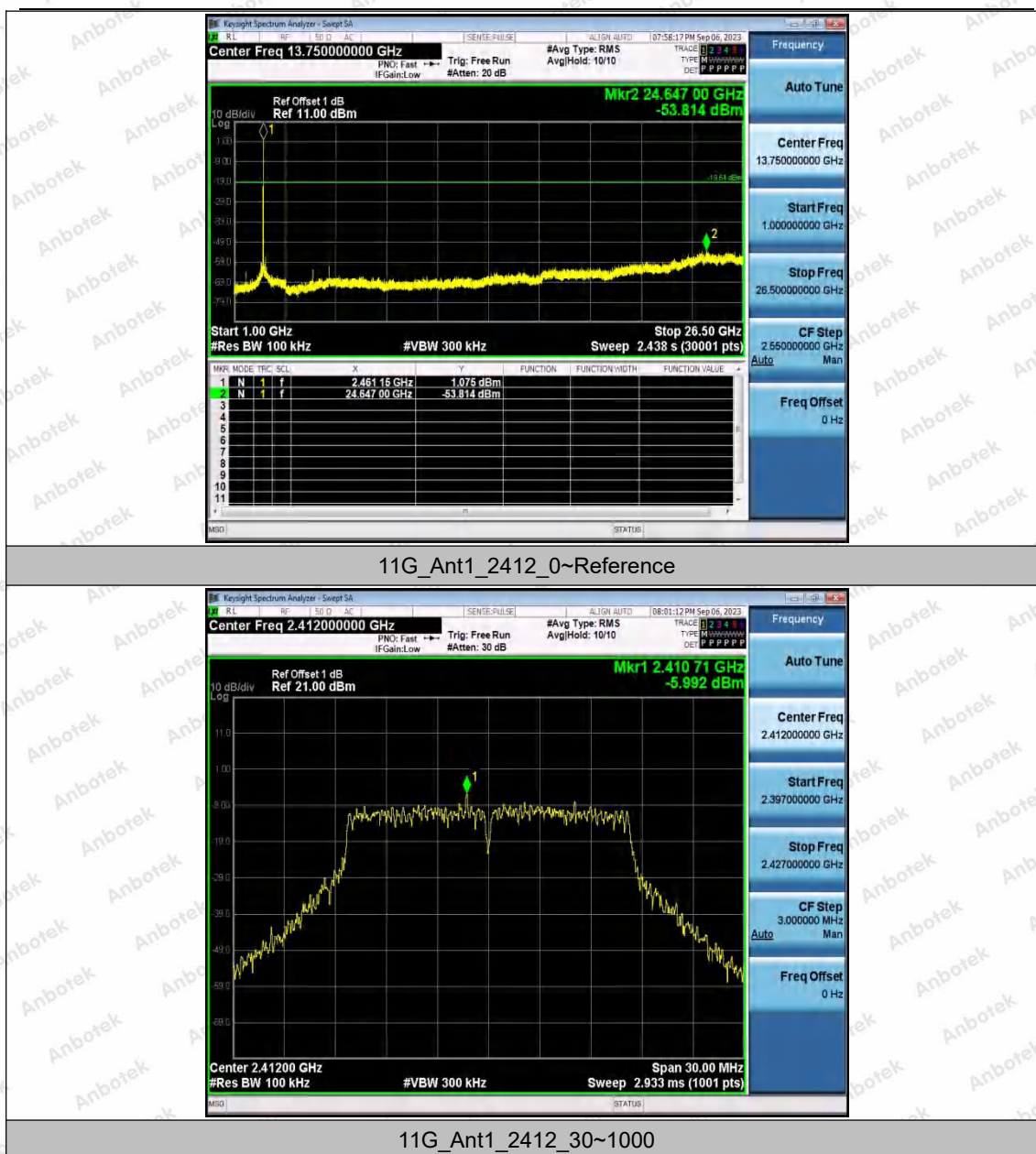
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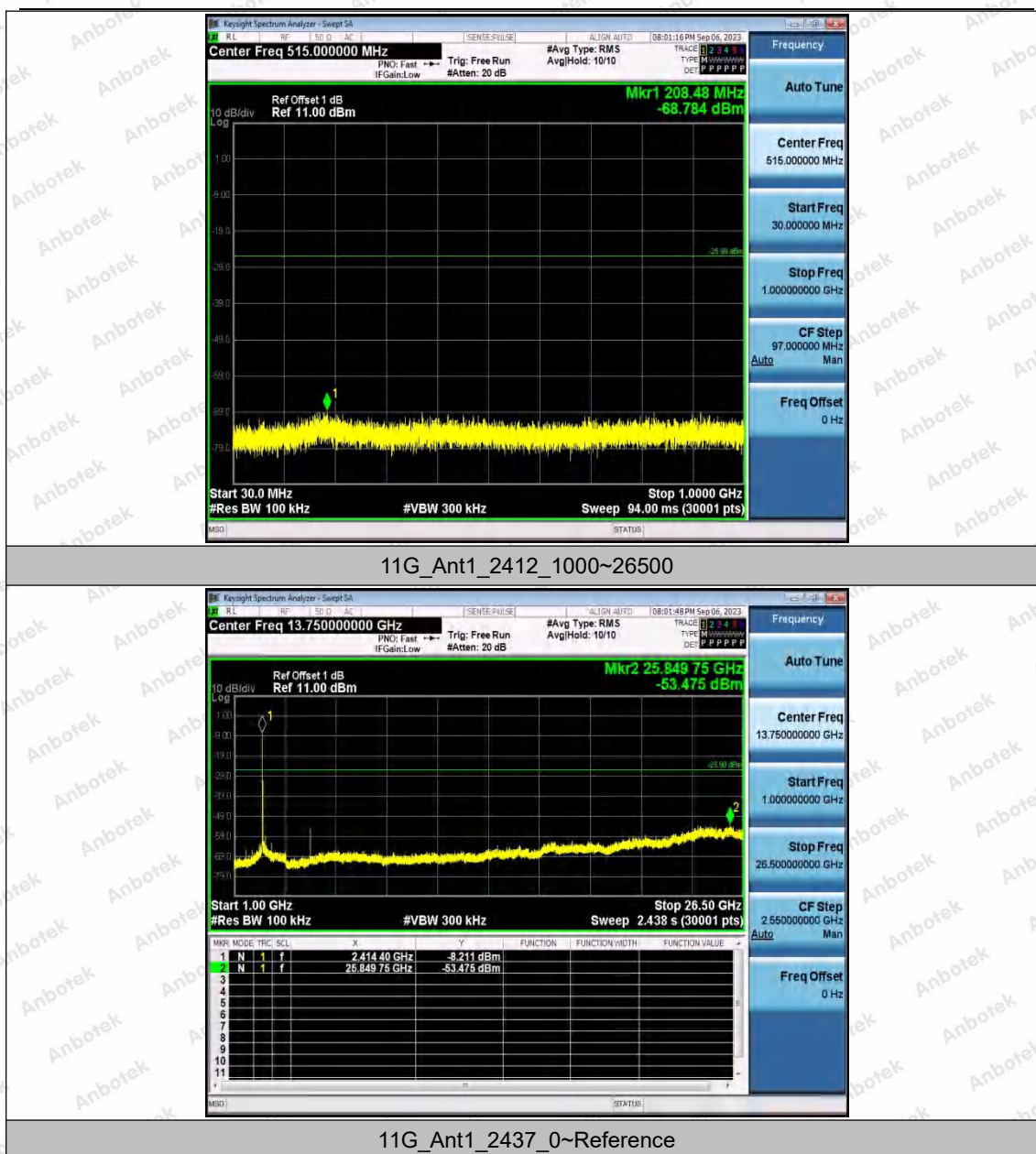
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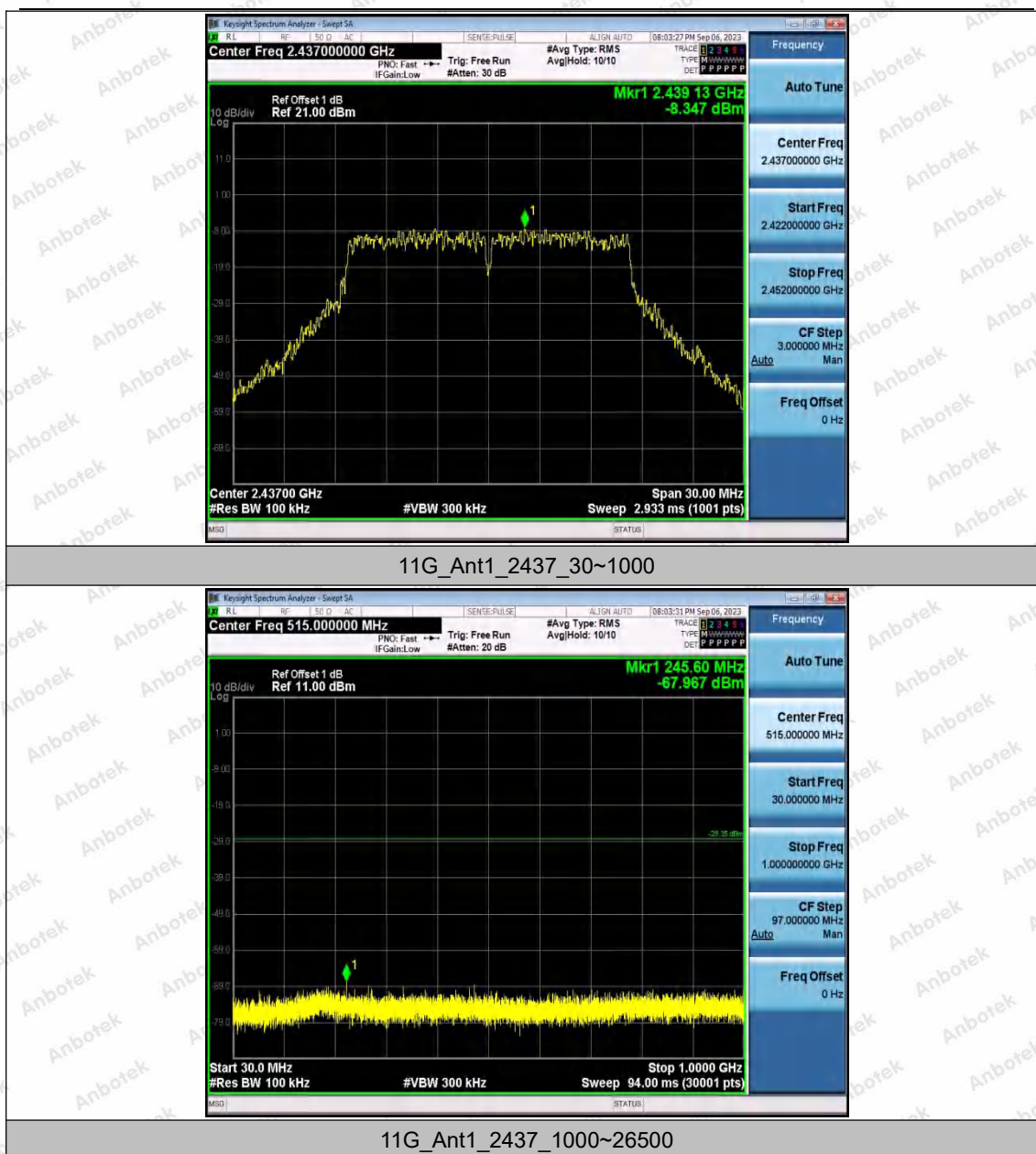
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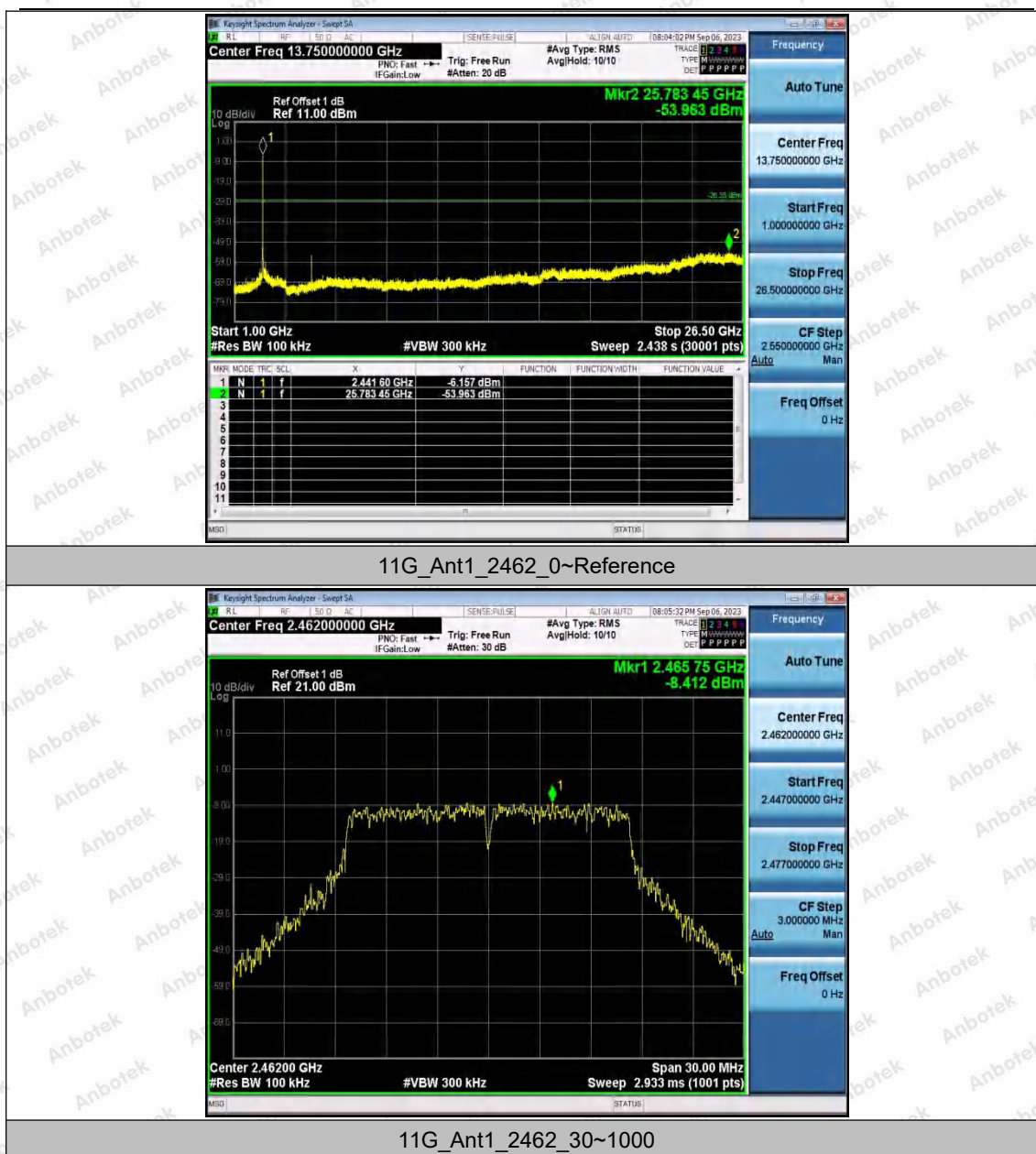
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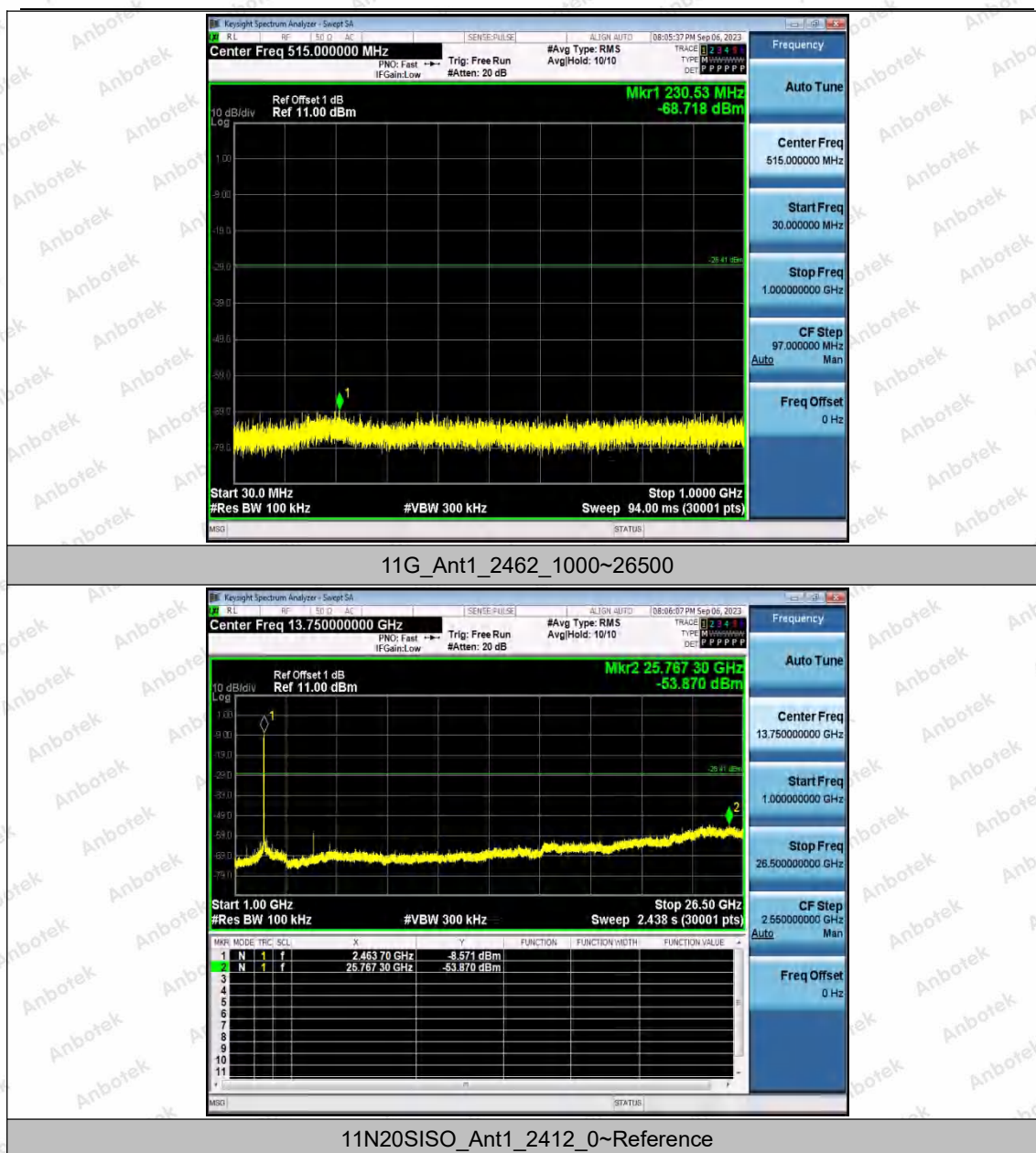
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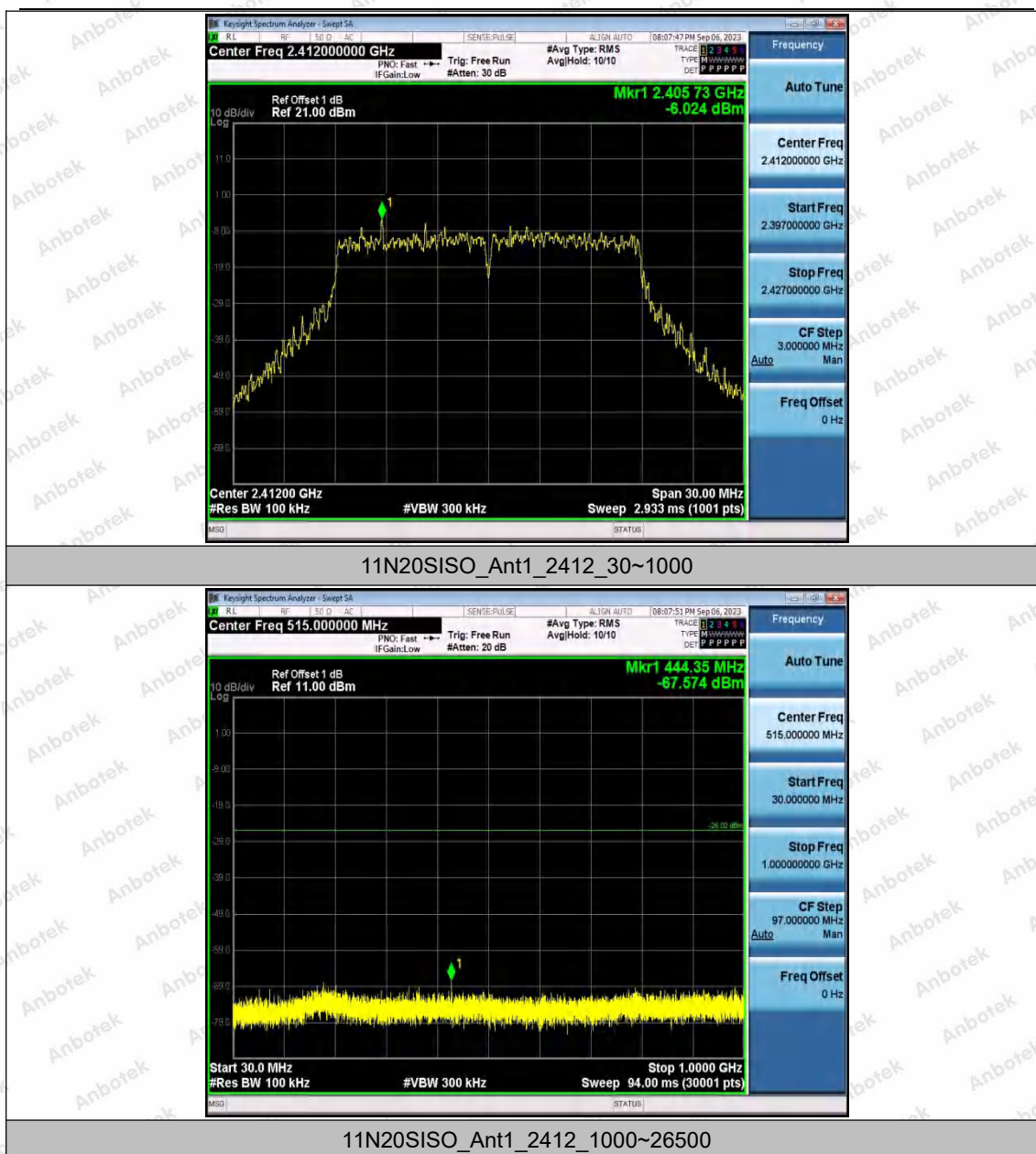
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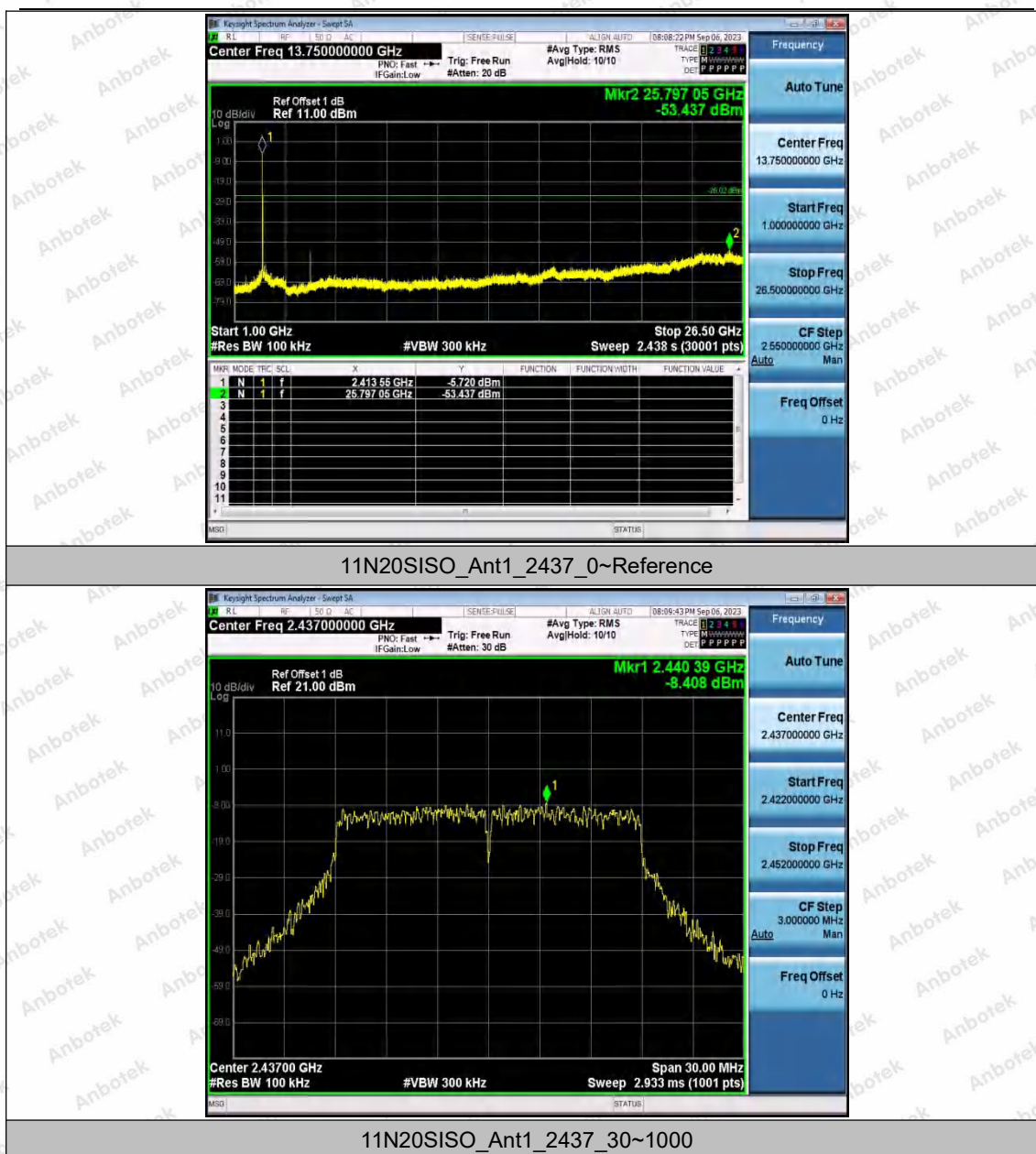
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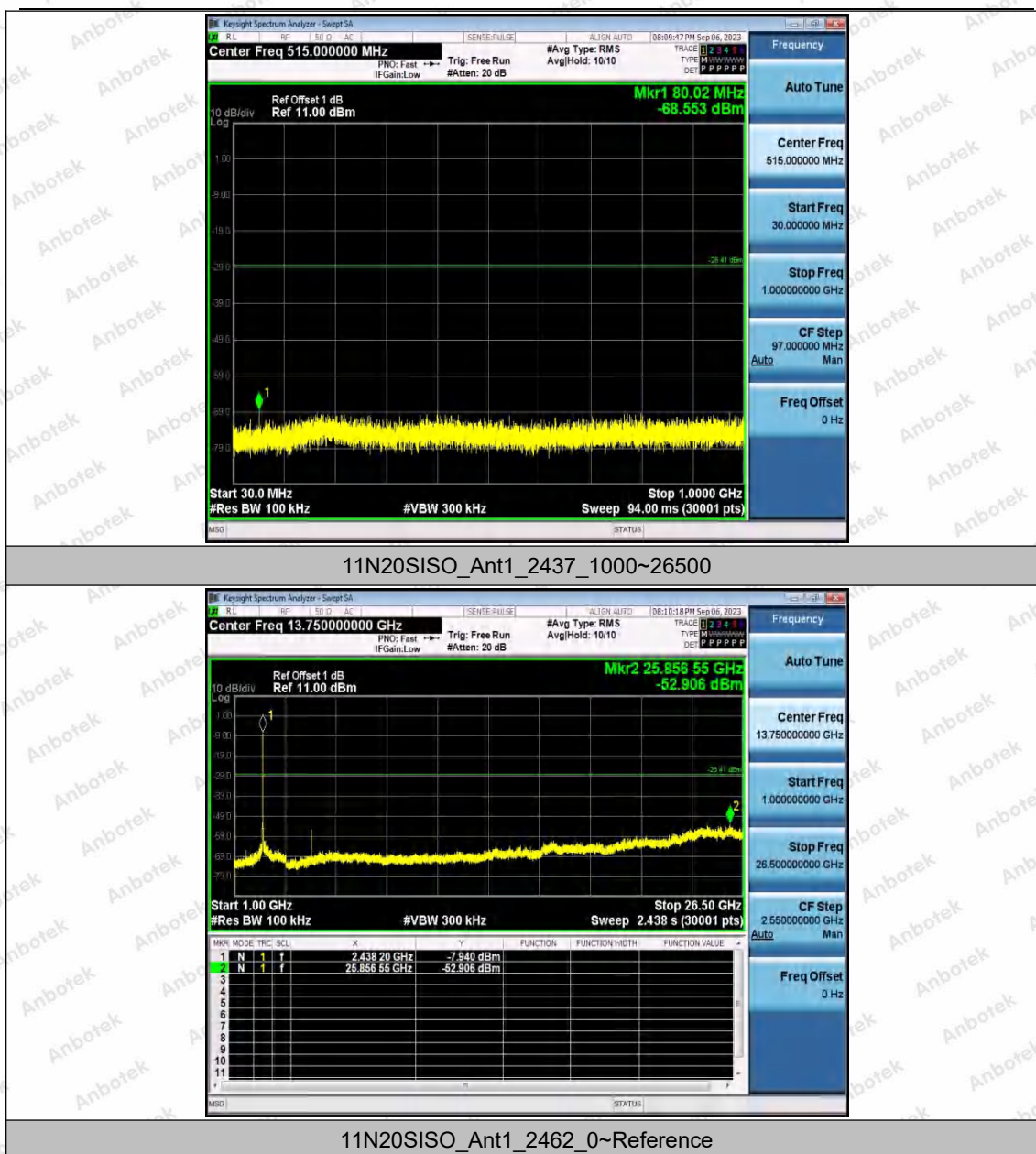
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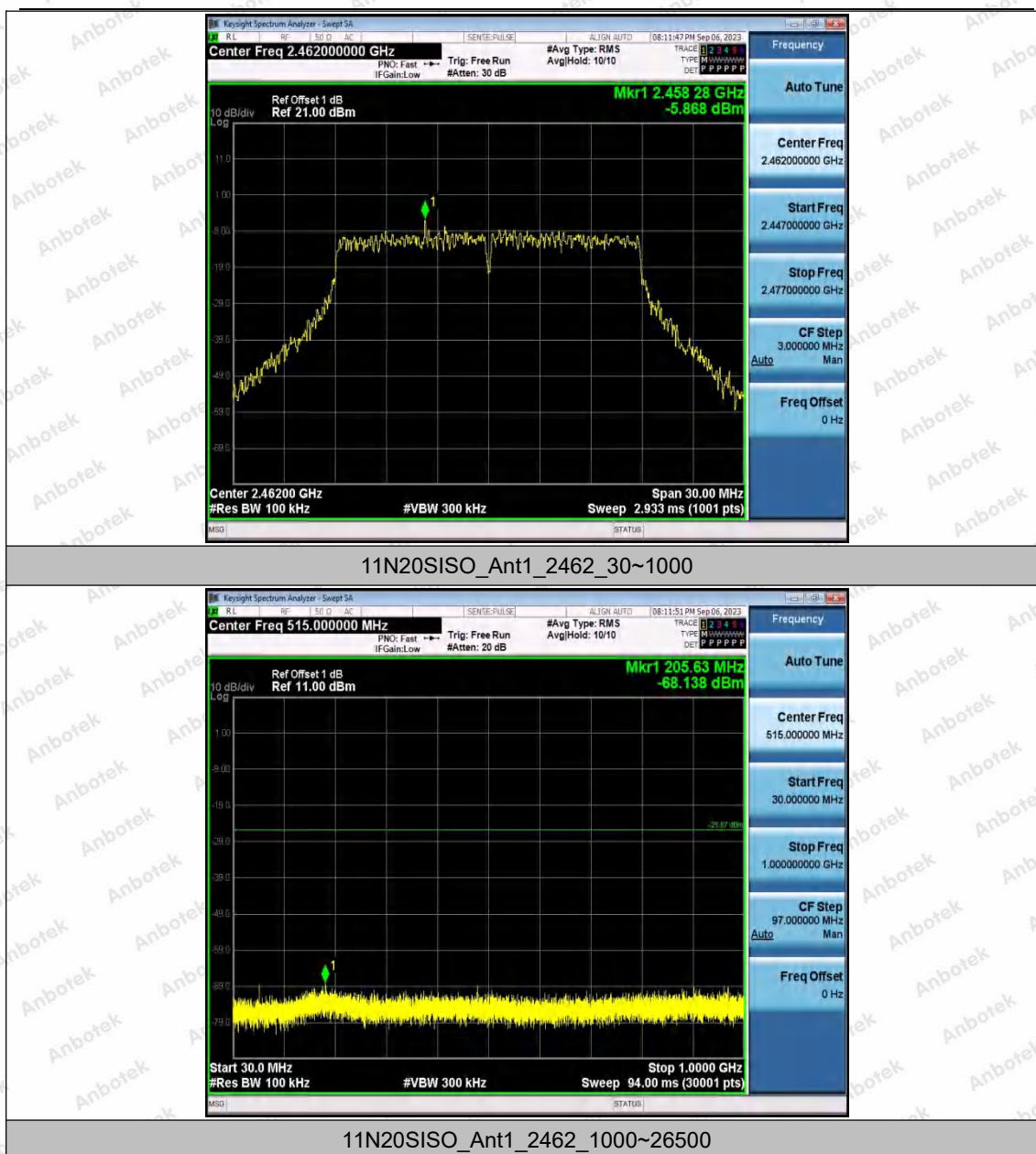
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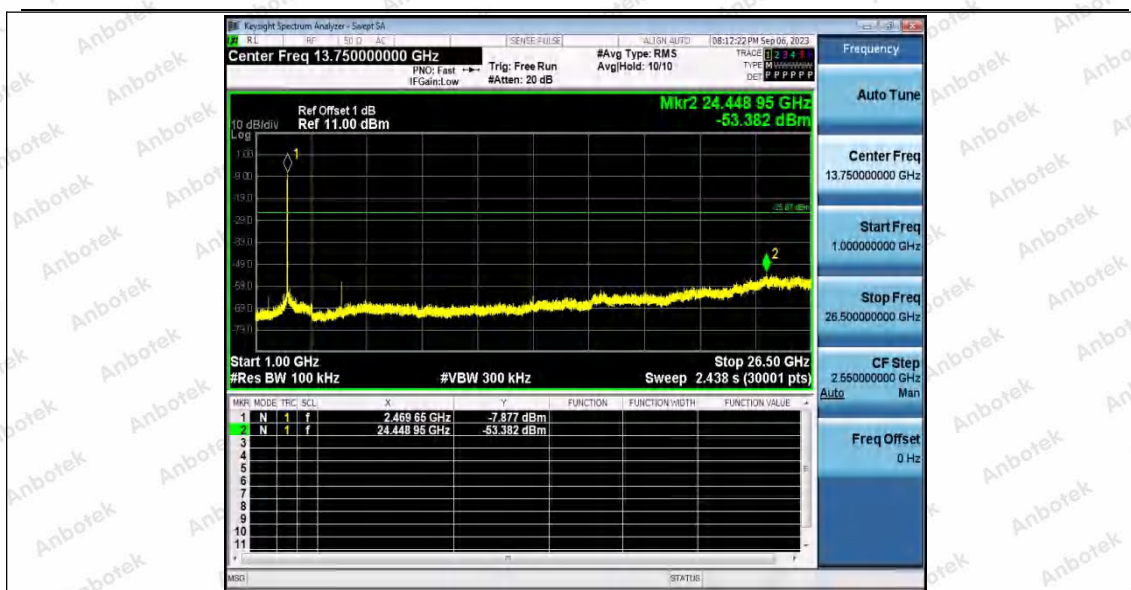
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.56	98.89	0.05
		2437	12.41	12.54	98.96	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.07	2.20	94.09	0.26
		2437	2.06	2.19	94.06	0.27
		2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.91	2.05	93.17	0.31
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

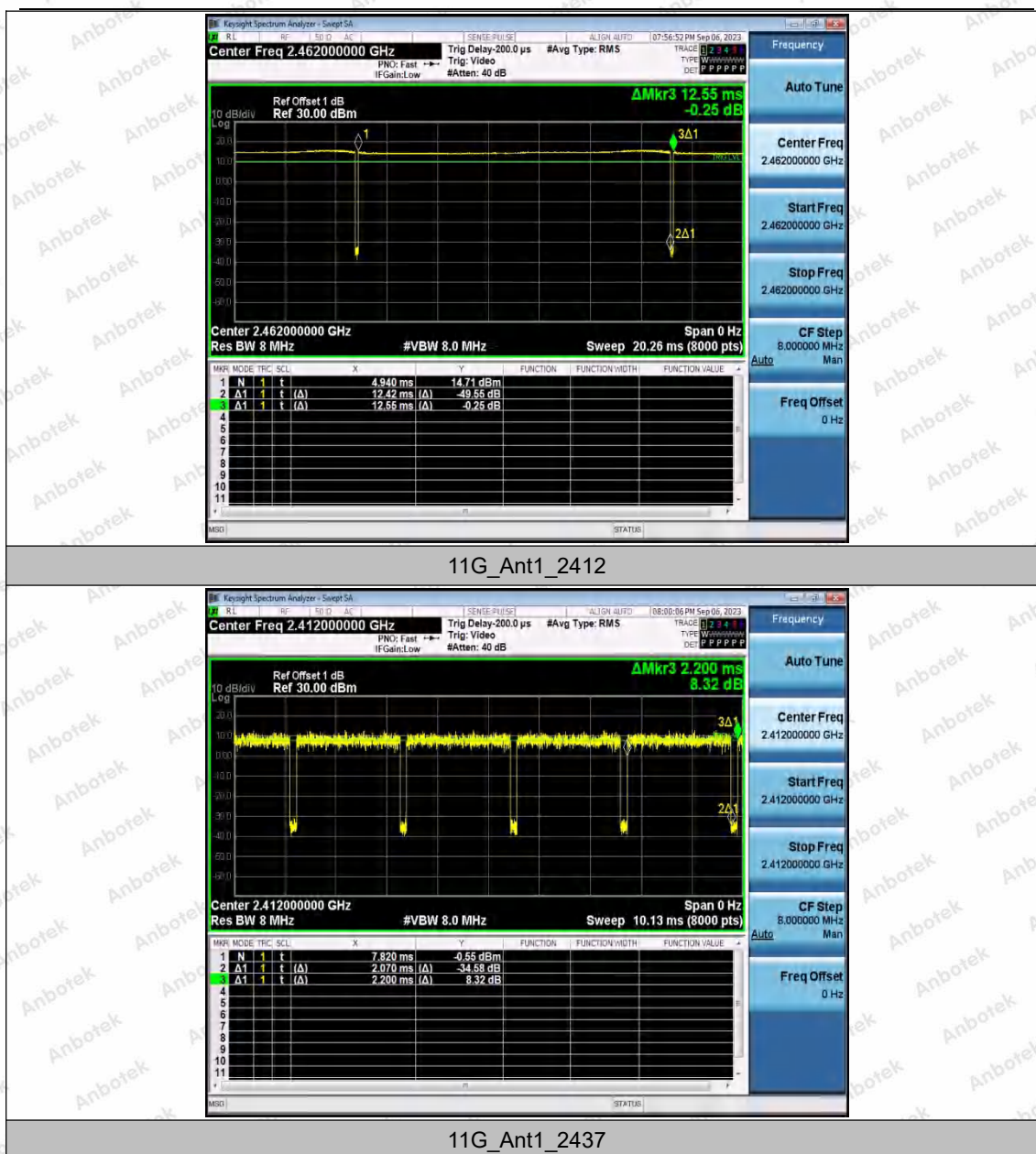
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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



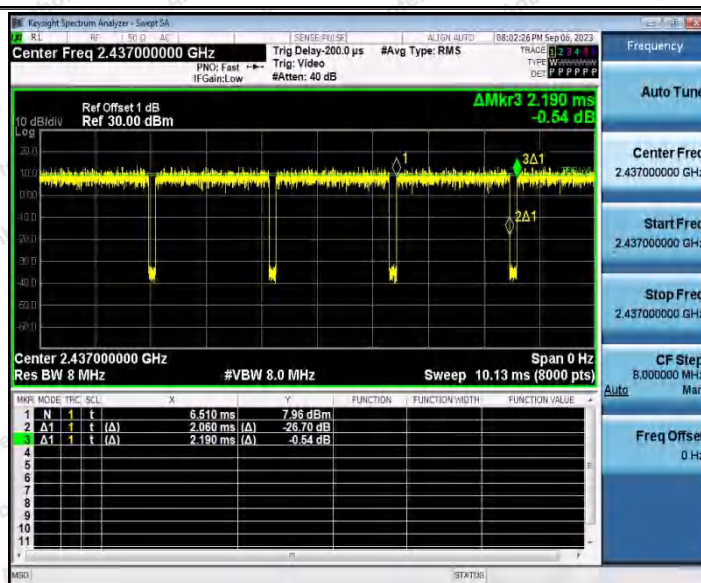
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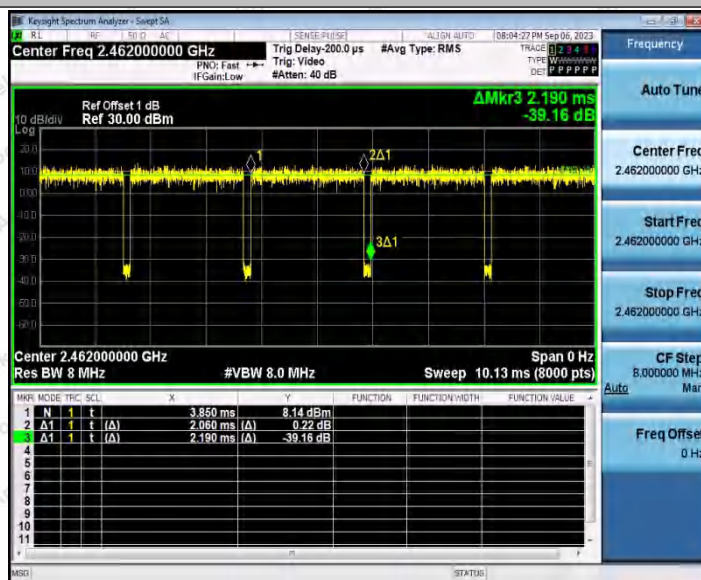


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11G_Ant1_2462



11N20SISO_Ant1_2412

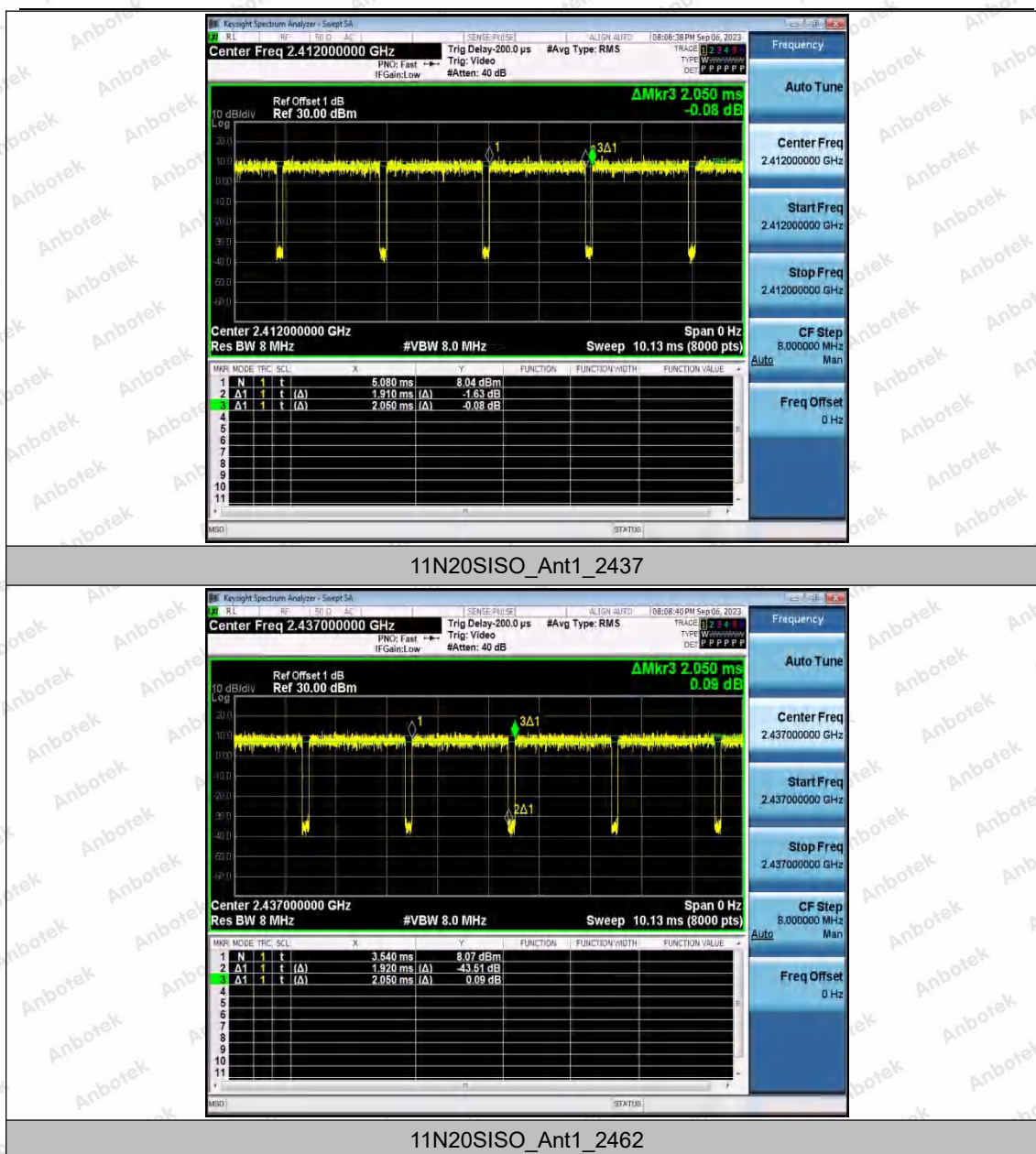
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www.anbotek.com.cn





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