

Appendix Test Data

Report No.:	18220WC30133001	Test Sample No.:	1-2-2
Start Test Date:	2023.07.03	Finish Test Date:	2023.07.05
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.1°C	Relative Humidity:	52%
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	8.560	2407.880	2416.440	≥0.5	PASS
		2437	8.040	2432.920	2440.960	≥0.5	PASS
		2462	9.040	2457.400	2466.440	≥0.5	PASS
11G	Ant1	2412	16.560	2403.640	2420.200	≥0.5	PASS
		2437	16.360	2428.760	2445.120	≥0.5	PASS
		2462	16.320	2453.760	2470.080	≥0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.160	2420.480	≥0.5	PASS
		2437	17.600	2428.120	2445.720	≥0.5	PASS
		2462	17.600	2453.120	2470.720	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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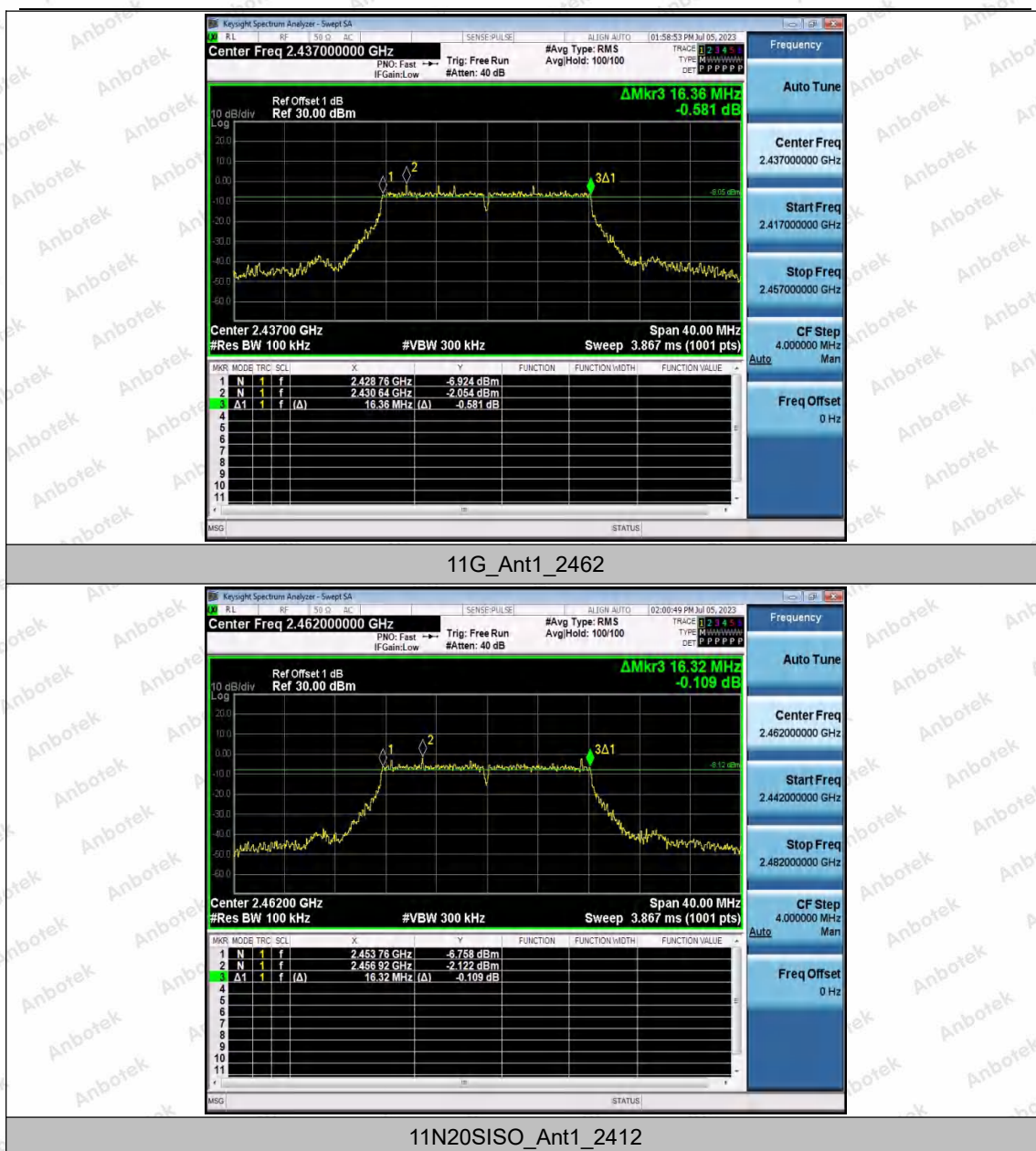
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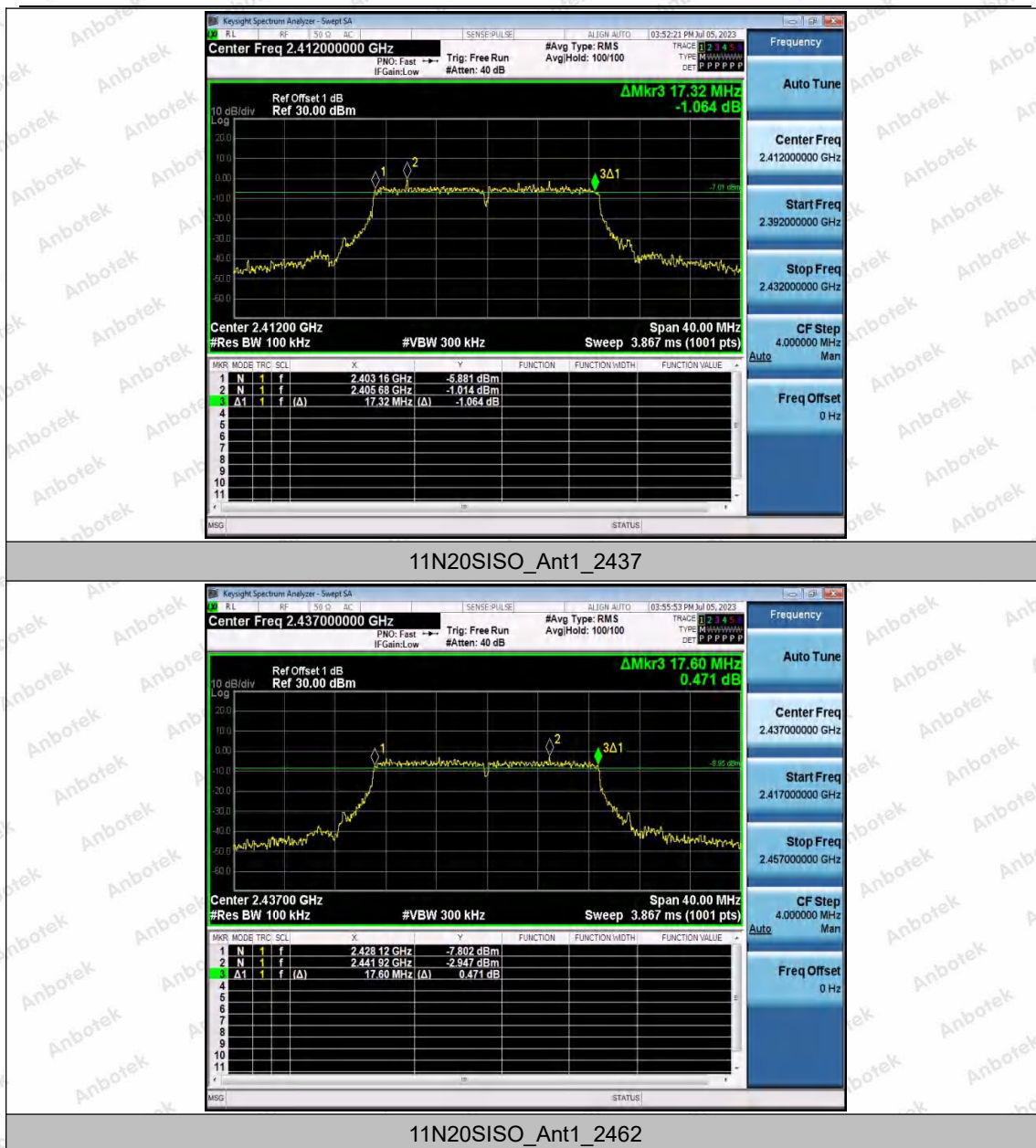
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.121	2405.3583	2418.4793	---	---
		2437	13.093	2430.3901	2443.4831	---	---
		2462	13.058	2455.3917	2468.4497	---	---
11G	Ant1	2412	17.021	2403.3771	2420.3981	---	---
		2437	17.043	2428.4365	2445.4795	---	---
		2462	16.976	2453.4444	2470.4204	---	---
11N20SISO	Ant1	2412	18.037	2402.9210	2420.9580	---	---
		2437	17.946	2427.9613	2445.9073	---	---
		2462	17.917	2452.9965	2470.9135	---	---



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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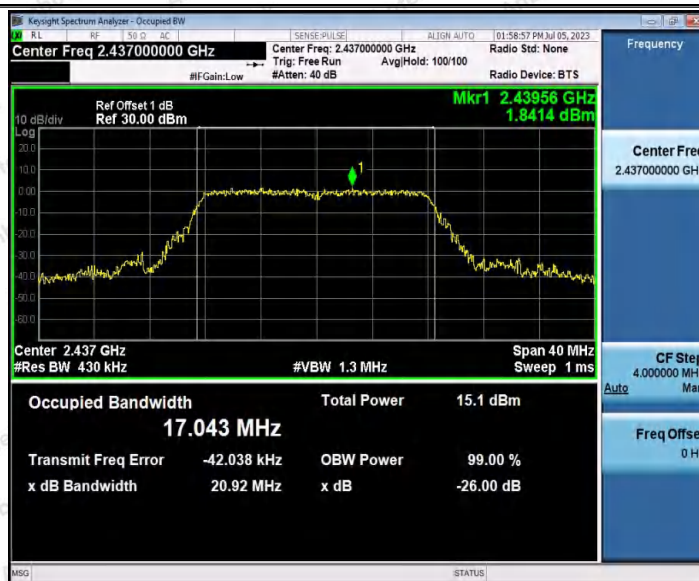
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11G_Ant1_2462



11N20SISO_Ant1_2412

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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	14.43	≤30.00
		2437	14.24	≤30.00
		2462	13.65	≤30.00
11G	Ant1	2412	17.34	≤30.00
		2437	16.48	≤30.00
		2462	16.27	≤30.00
11N20SISO	Ant1	2412	17.68	≤30.00
		2437	16.60	≤30.00
		2462	16.52	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.32	≤8.00	PASS
		2437	-11.75	≤8.00	PASS
		2462	-13.04	≤8.00	PASS
11G	Ant1	2412	-14.76	≤8.00	PASS
		2437	-15.36	≤8.00	PASS
		2462	-16.33	≤8.00	PASS
11N20SISO	Ant1	2412	-14.92	≤8.00	PASS
		2437	-15.63	≤8.00	PASS
		2462	-16.00	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

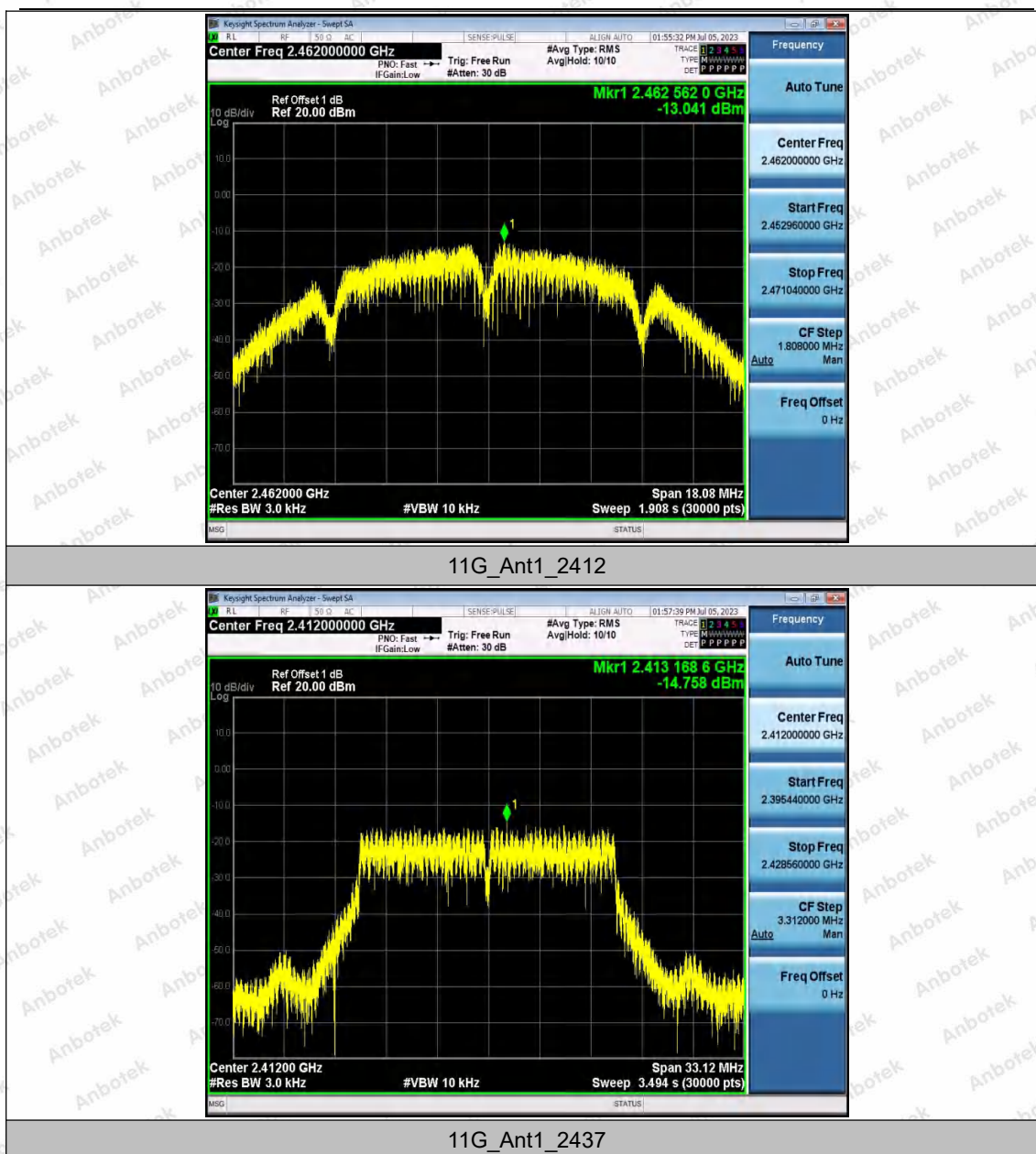
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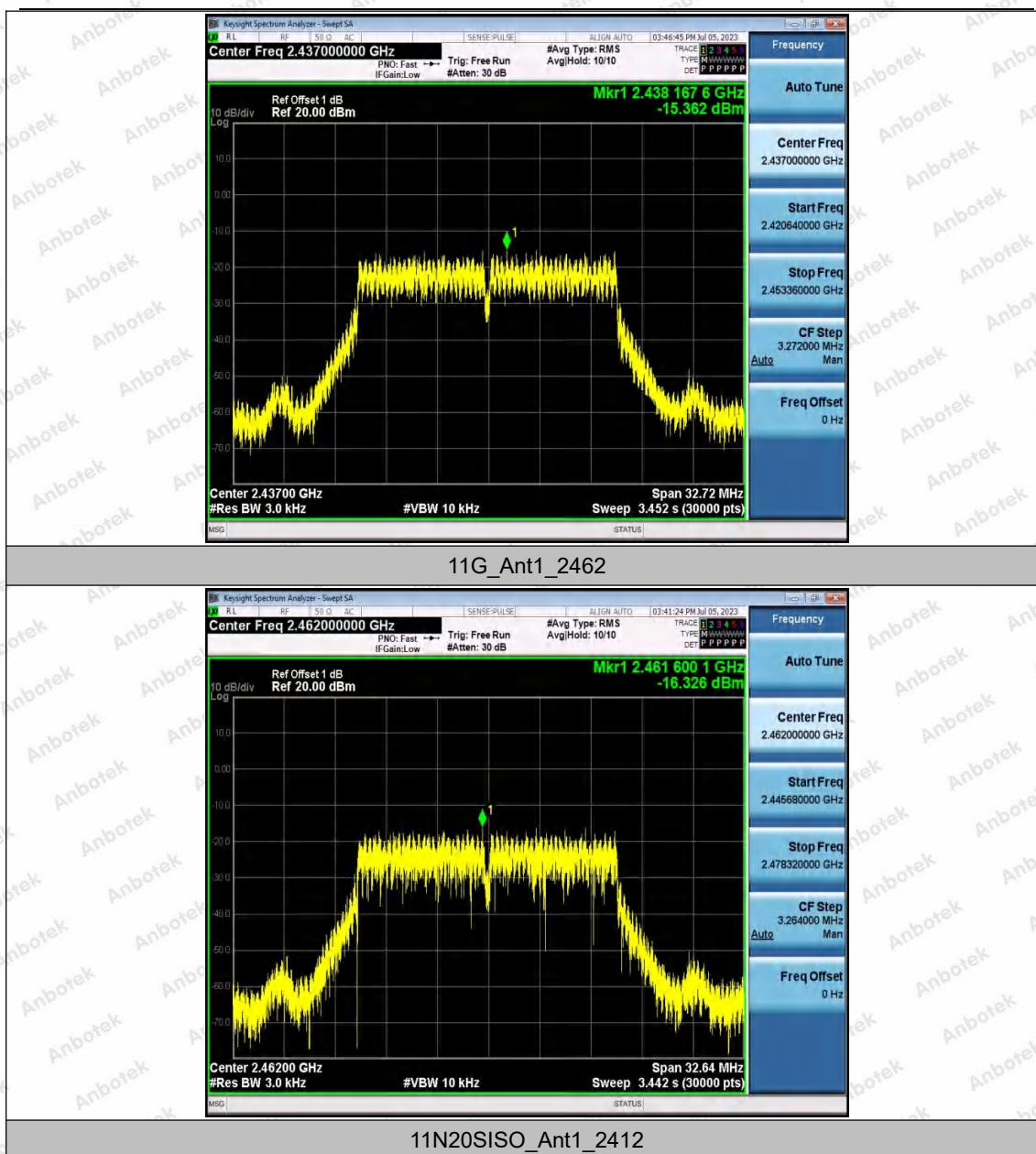
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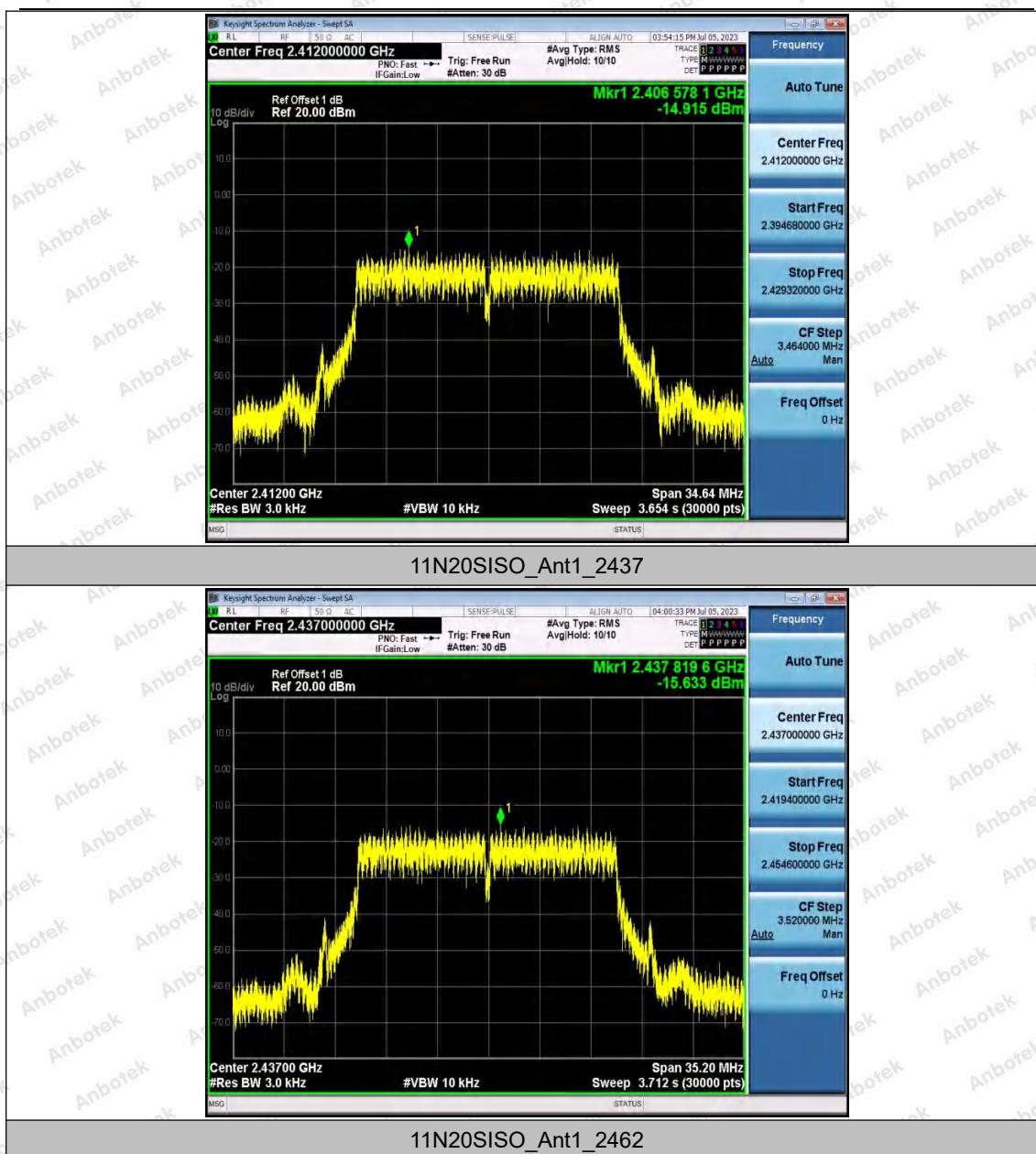
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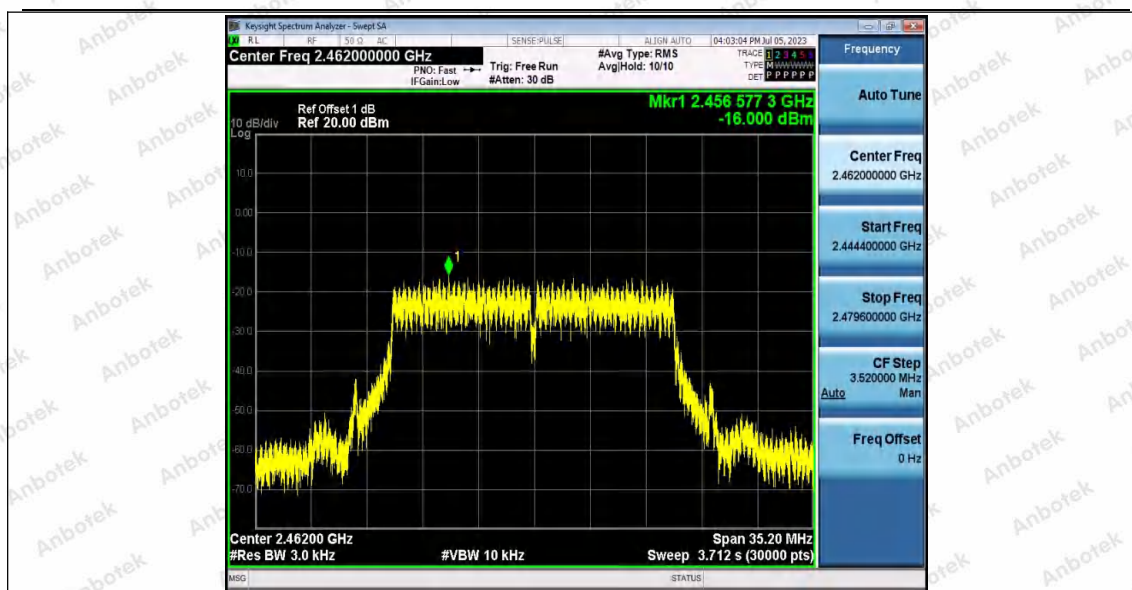
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Appendix E: Band edge measurements

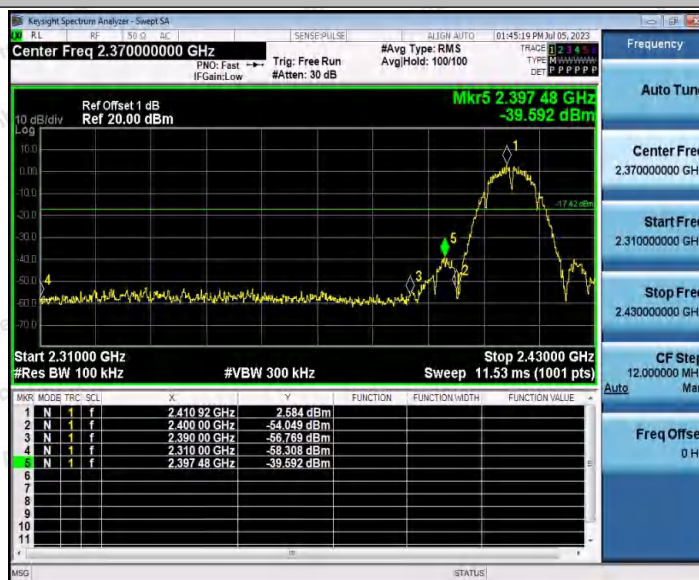
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.58	-39.59	≤-17.42	PASS
		High	2462	1.21	-55.18	≤-18.8	PASS
11G	Ant1	Low	2412	-2.21	-35.31	≤-22.21	PASS
		High	2462	-2.23	-50.68	≤-22.23	PASS
11N20SISO	Ant1	Low	2412	-0.50	-36.02	≤-20.5	PASS
		High	2462	-3.21	-46.37	≤-23.21	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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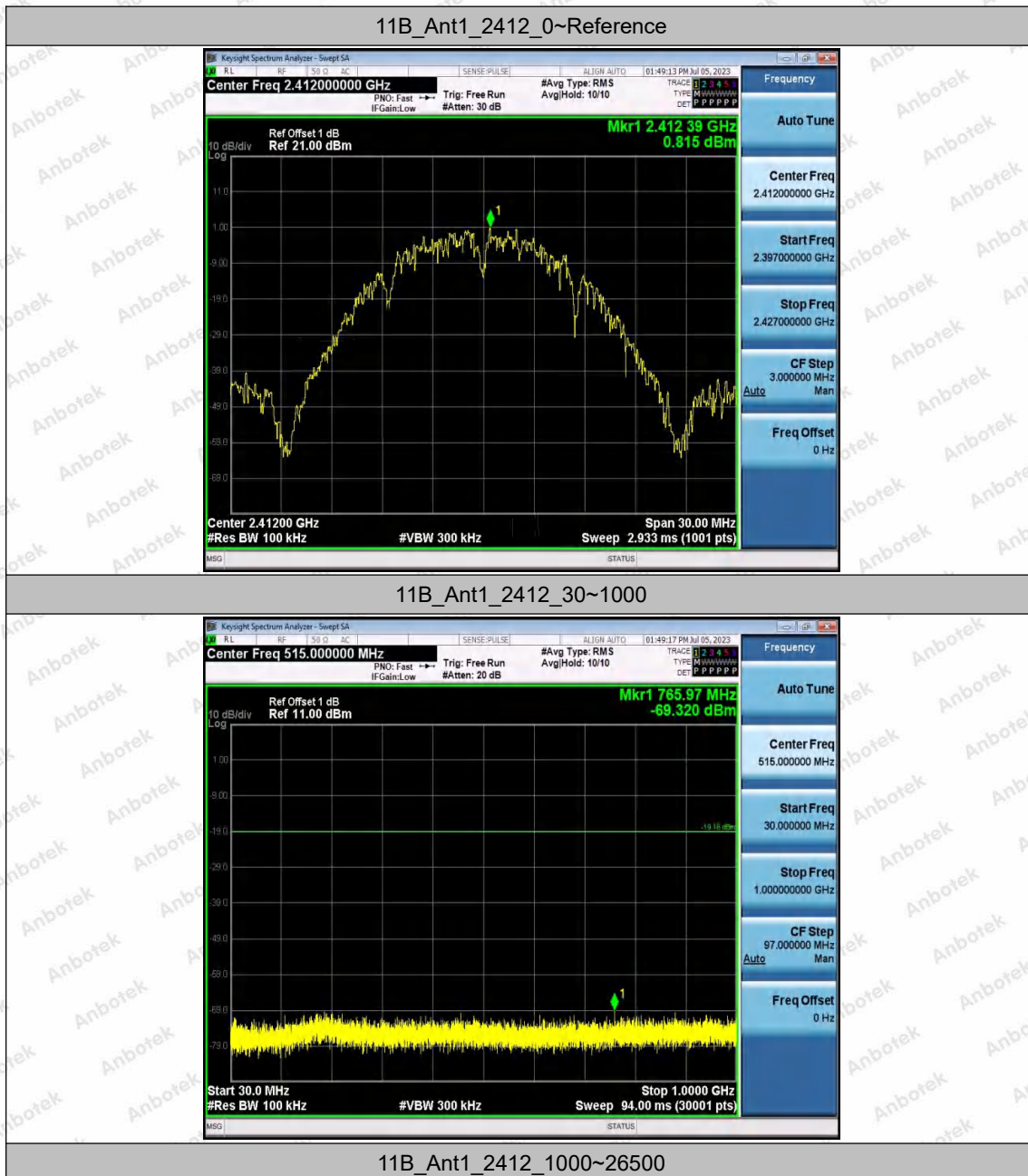
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.82	0.82	---	PASS
			30~1000	0.82	-69.32	≤-19.18	PASS
			1000~26500	0.82	-53.58	≤-19.18	PASS
		2437	Reference	1.87	1.87	---	PASS
			30~1000	1.87	-68.46	≤-18.13	PASS
			1000~26500	1.87	-53.43	≤-18.13	PASS
		2462	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-67.56	≤-18.78	PASS
			1000~26500	1.22	-53.2	≤-18.78	PASS
11G	Ant1	2412	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-63.69	≤-22.58	PASS
			1000~26500	-2.58	-52.08	≤-22.58	PASS
		2437	Reference	-5.18	-5.18	---	PASS
			30~1000	-5.18	-67.59	≤-25.18	PASS
			1000~26500	-5.18	-53.04	≤-25.18	PASS
		2462	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-67.88	≤-24.86	PASS
			1000~26500	-4.86	-49.61	≤-24.86	PASS
11N20SISO	Ant1	2412	Reference	-4.33	-4.33	---	PASS
			30~1000	-4.33	-68.3	≤-24.33	PASS
			1000~26500	-4.33	-53.33	≤-24.33	PASS
		2437	Reference	-5.35	-5.35	---	PASS
			30~1000	-5.35	-68.46	≤-25.35	PASS
			1000~26500	-5.35	-53.78	≤-25.35	PASS
		2462	Reference	-5.71	-5.71	---	PASS
			30~1000	-5.71	-67.35	≤-25.71	PASS
			1000~26500	-5.71	-52.73	≤-25.71	PASS



Test Graphs



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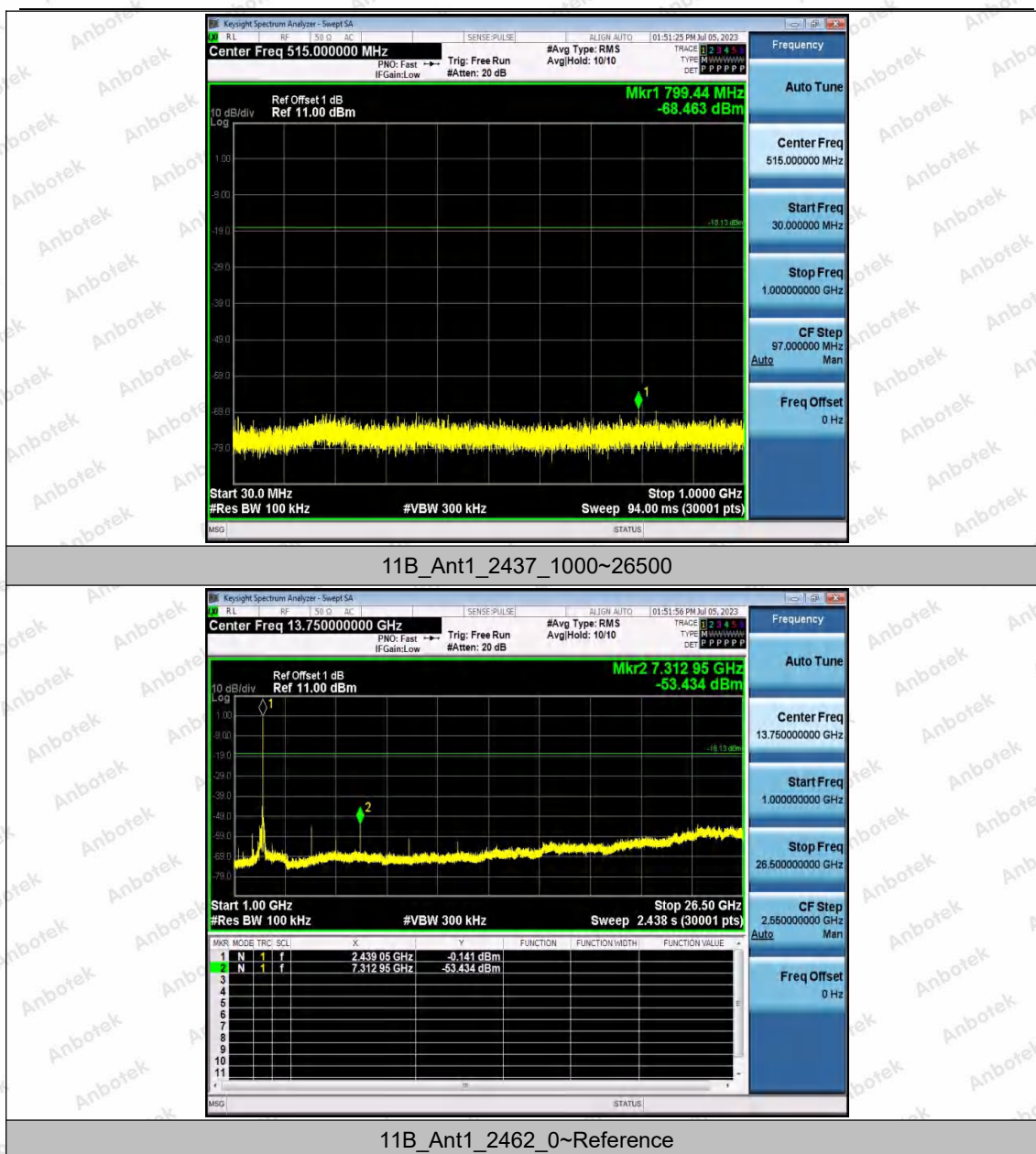
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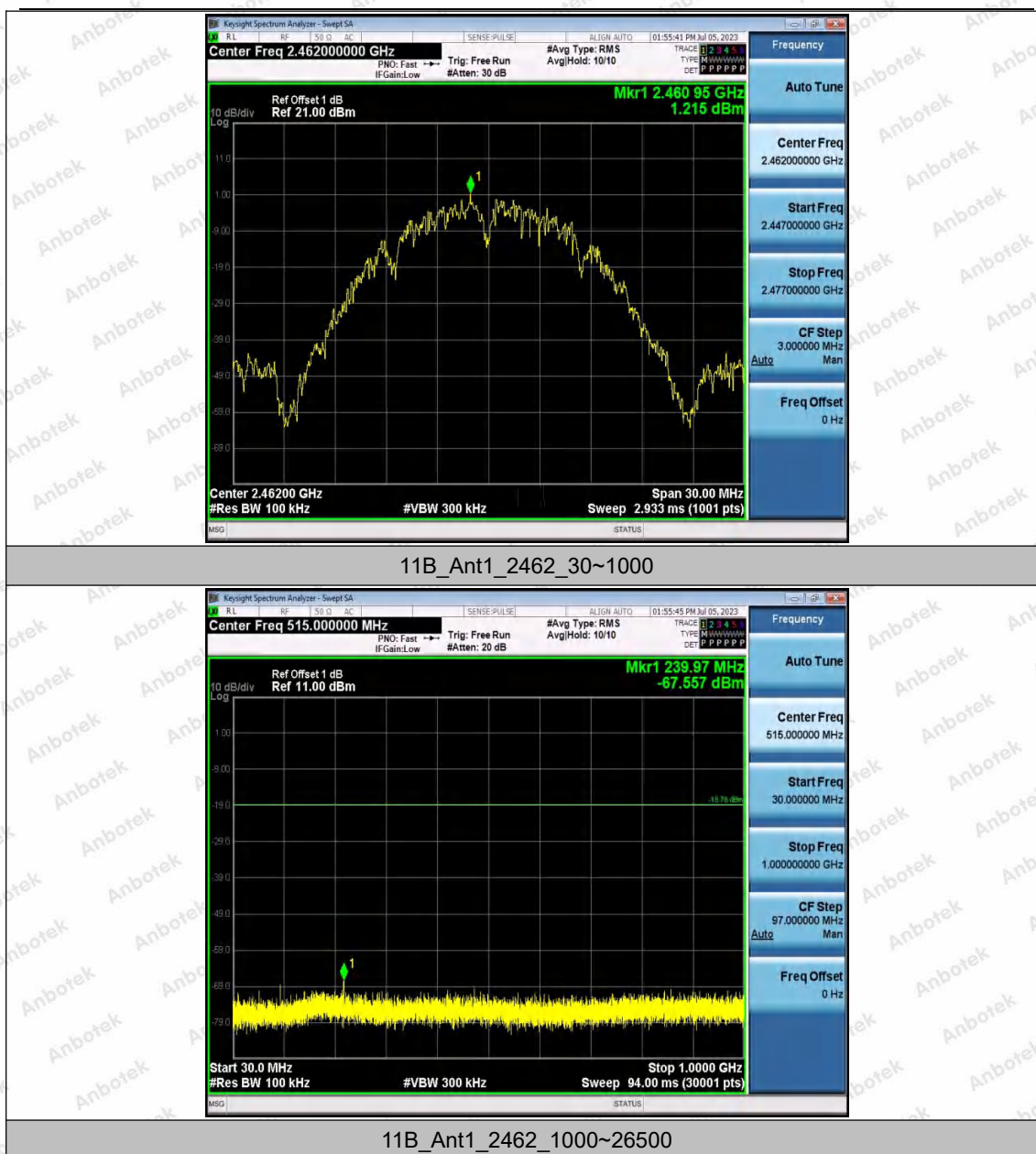
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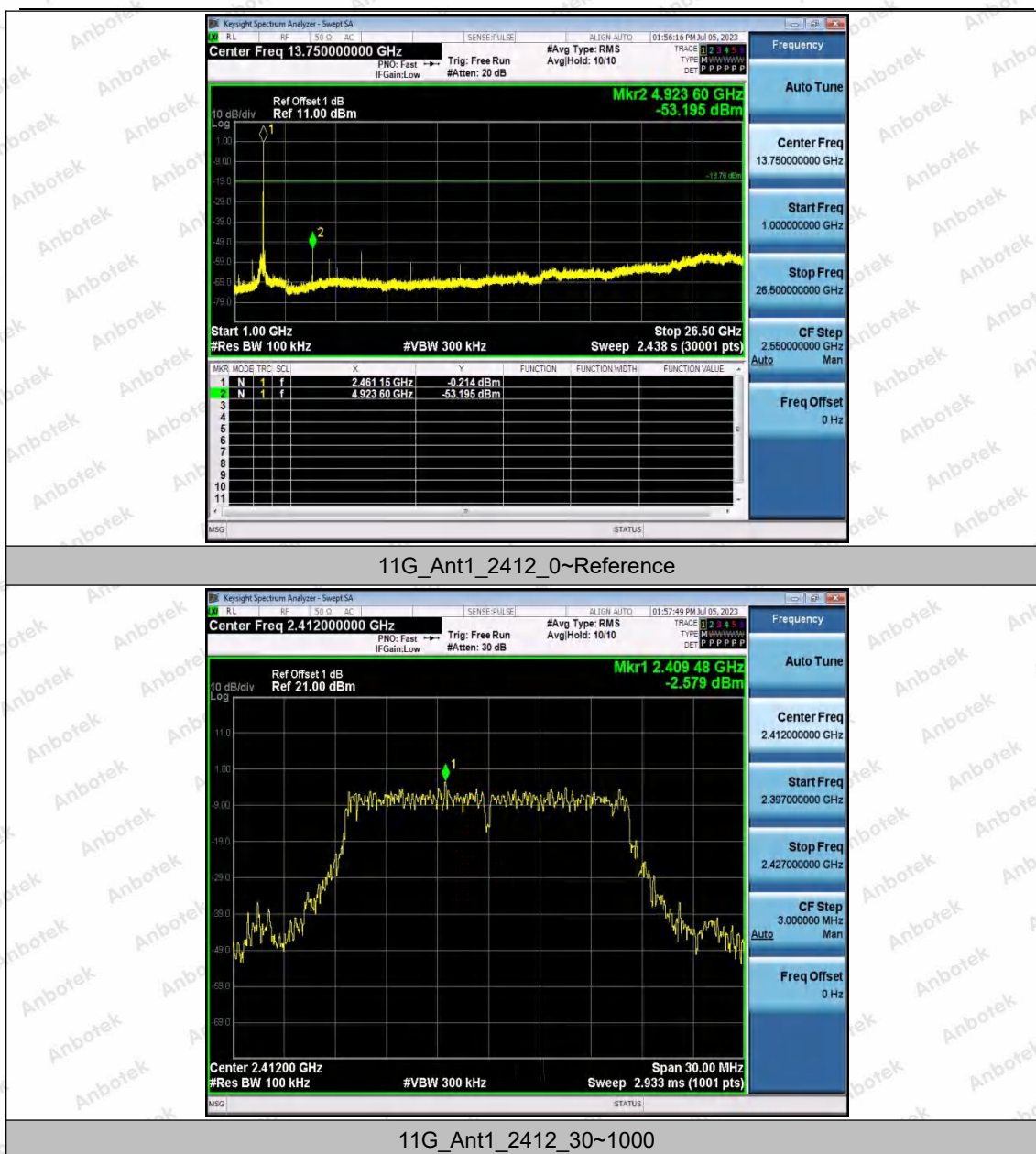
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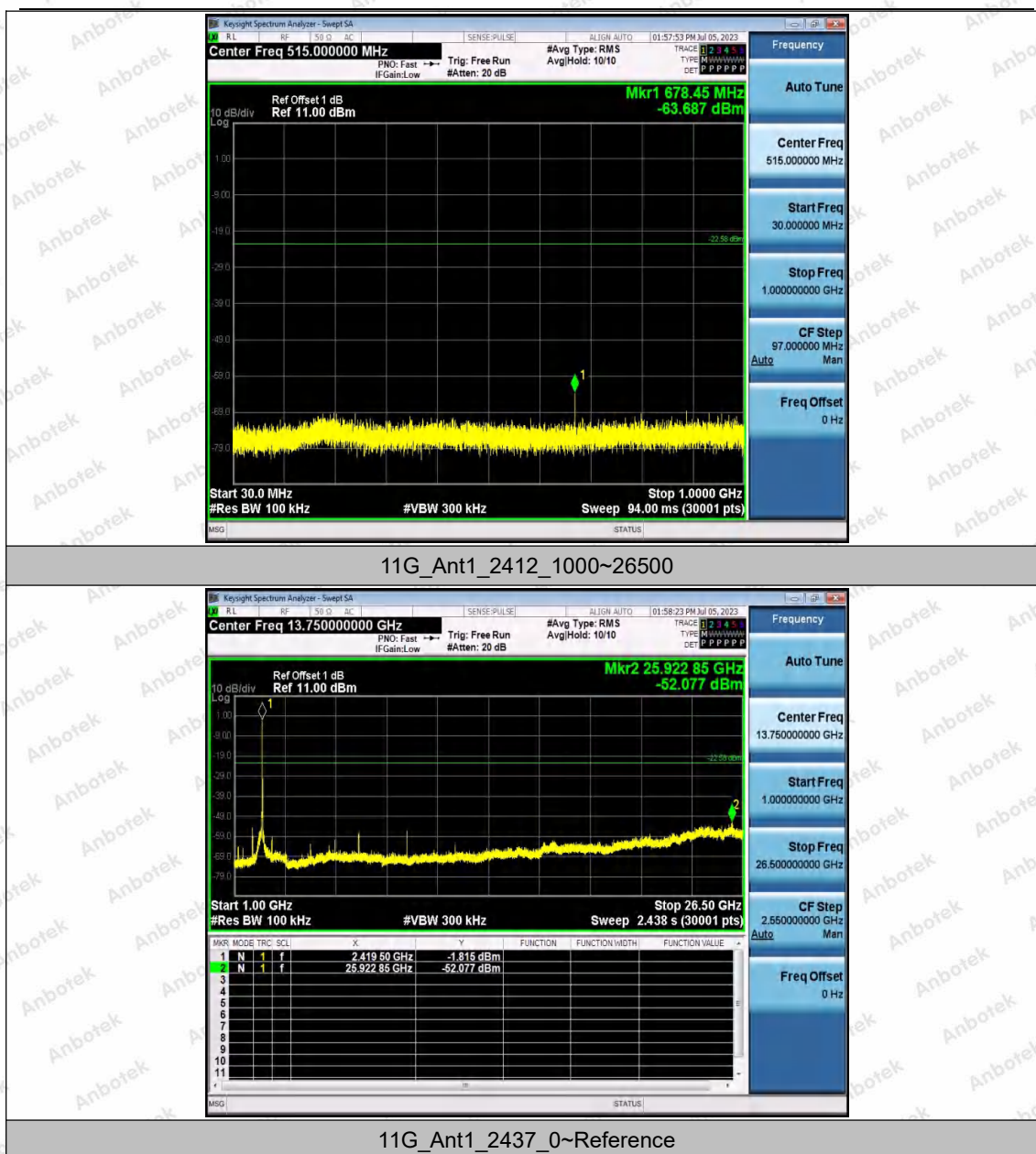
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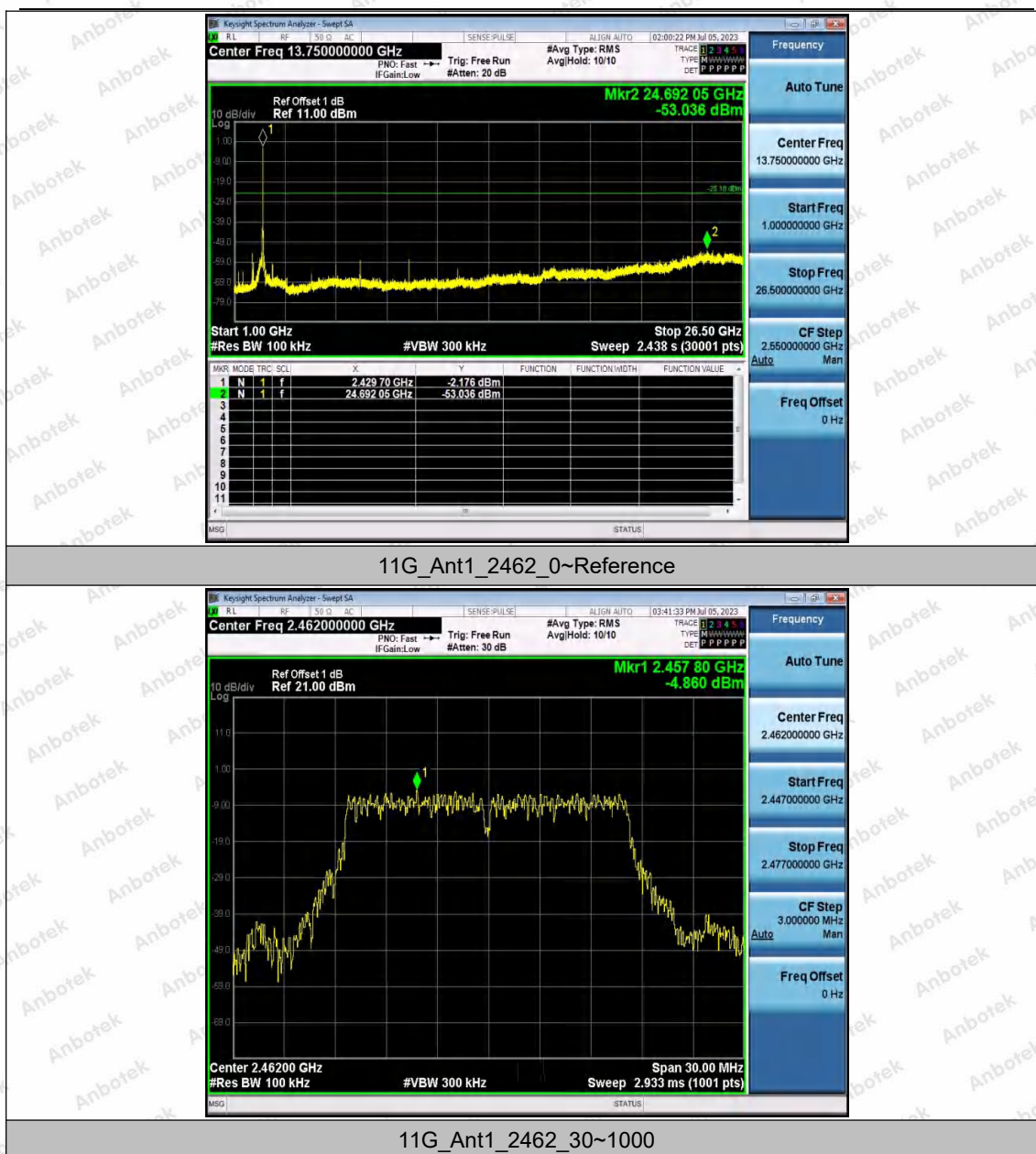
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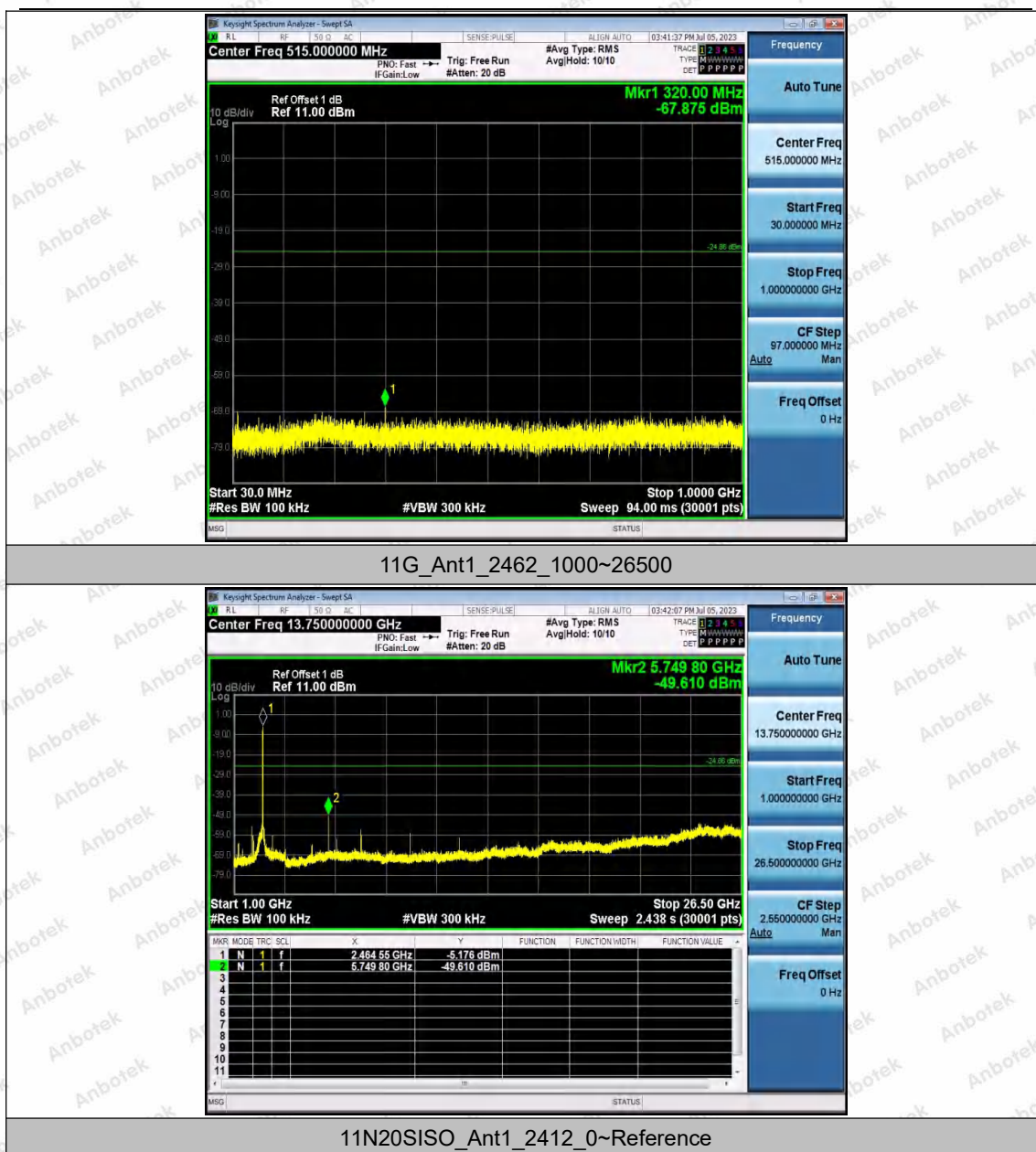
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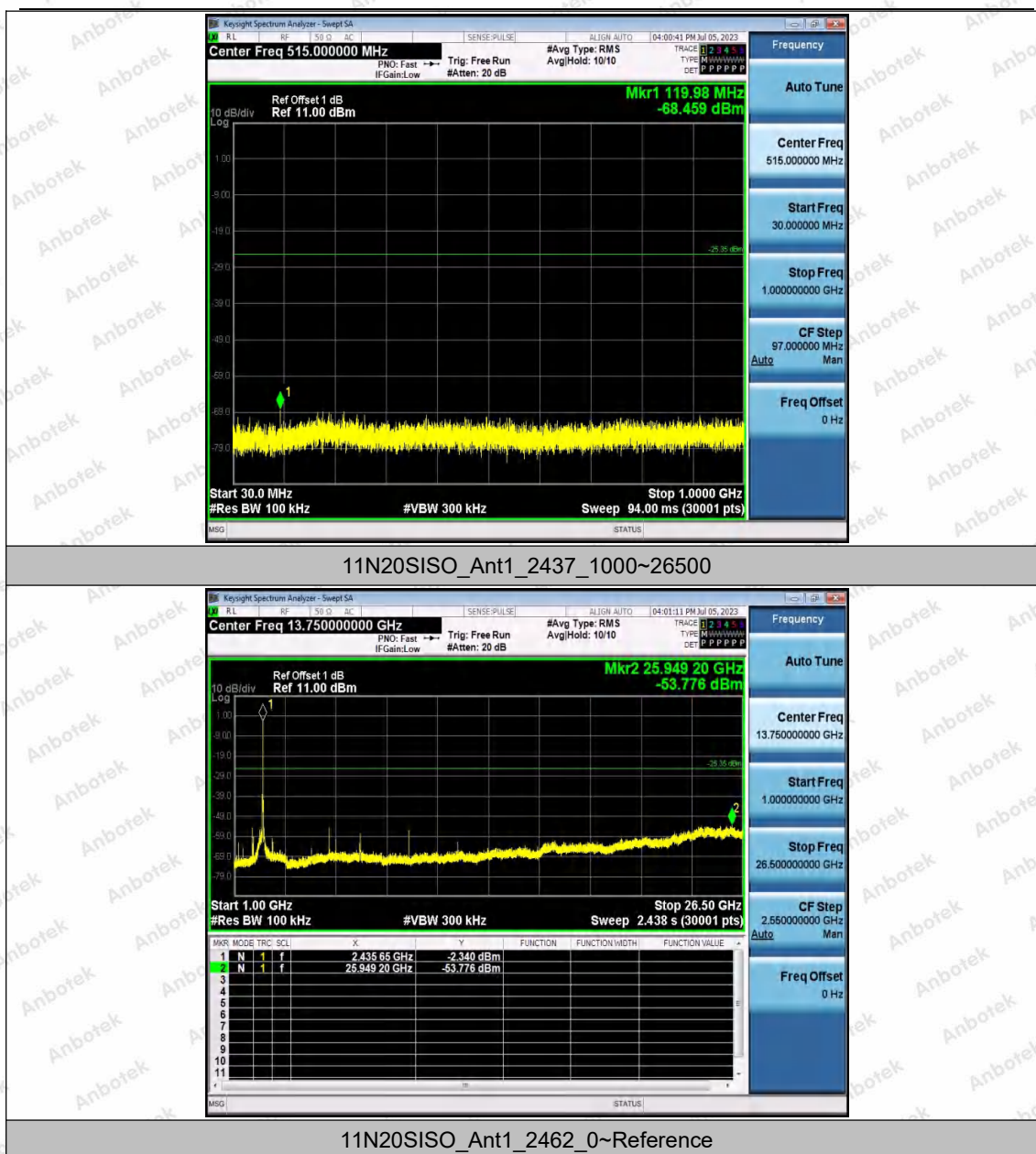
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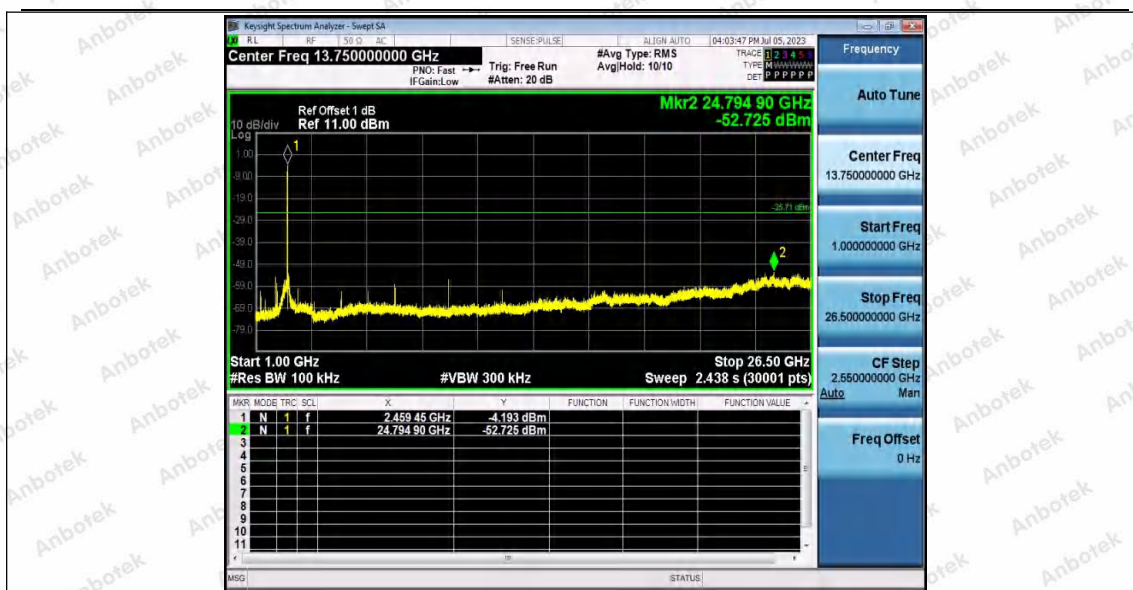
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	16.74	50.06	3.01
		2437	8.38	16.73	50.09	3.00
		2462	8.38	16.74	50.06	3.01
11G	Ant1	2412	2.02	4.08	49.51	3.05
		2437	2.02	4.08	49.51	3.05
		2462	2.02	4.08	49.51	3.05
11N20SISO	Ant1	2412	1.89	3.74	50.53	2.96
		2437	1.89	3.74	50.53	2.96
		2462	1.89	4.87	38.81	4.11



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

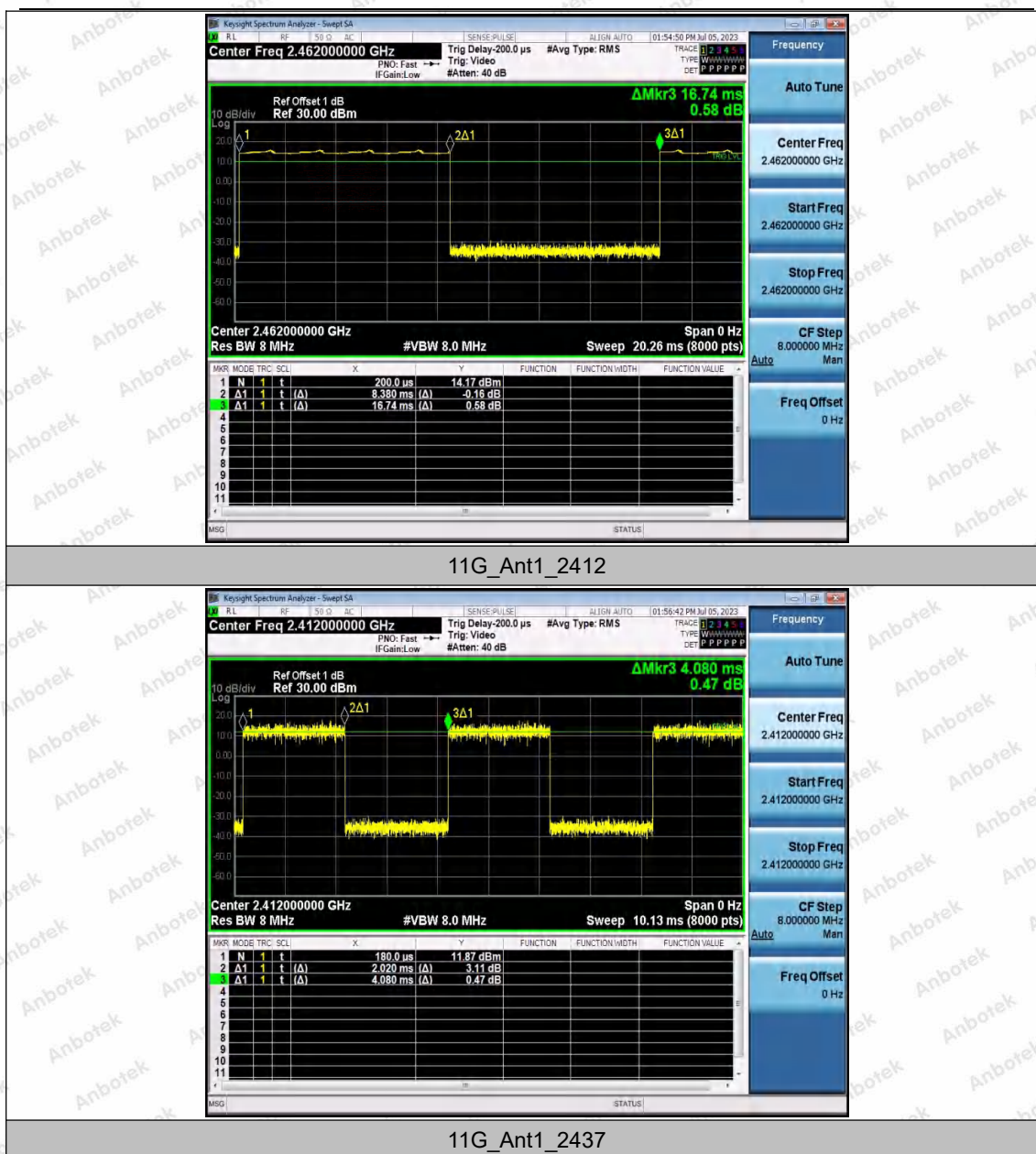
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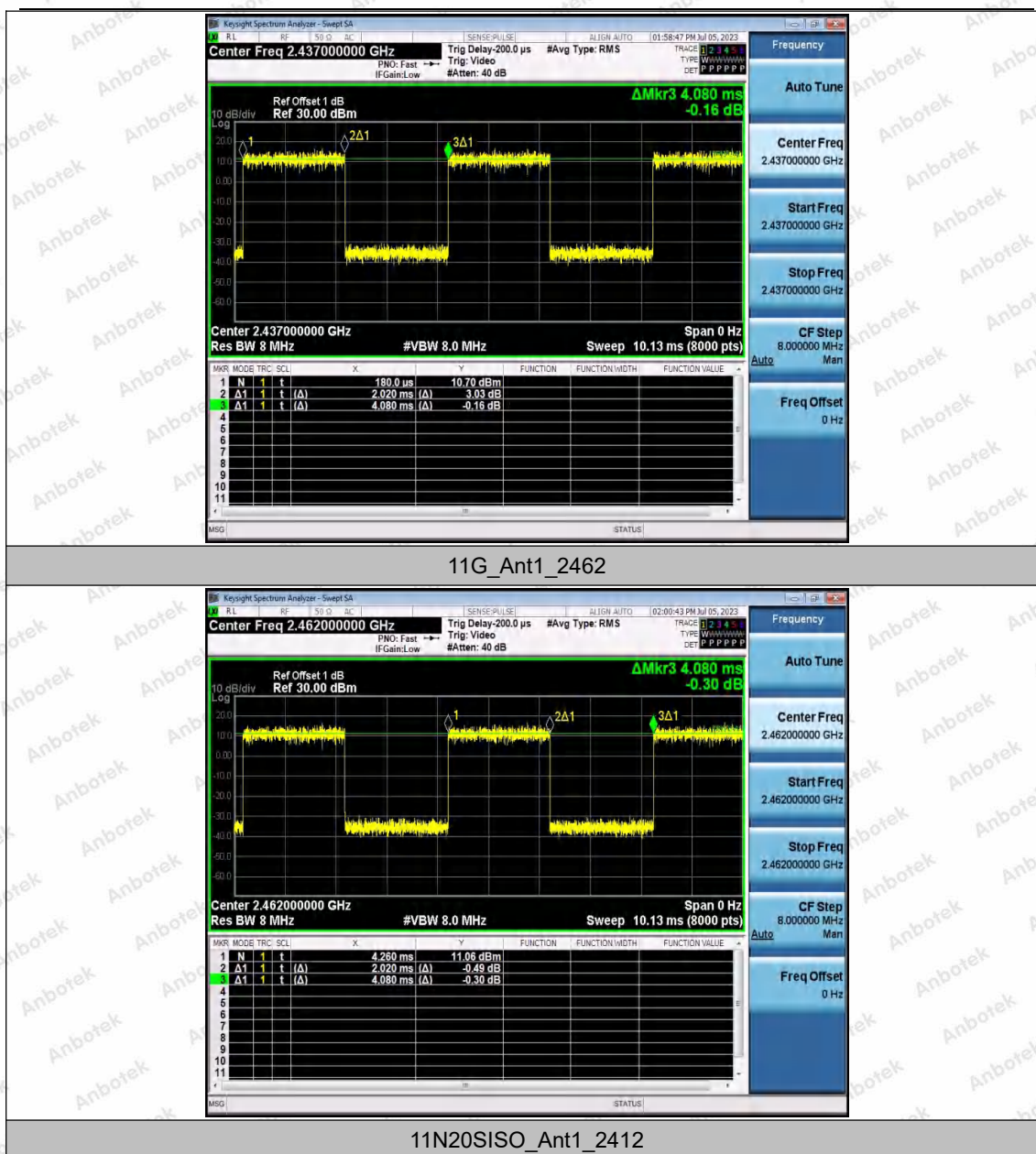
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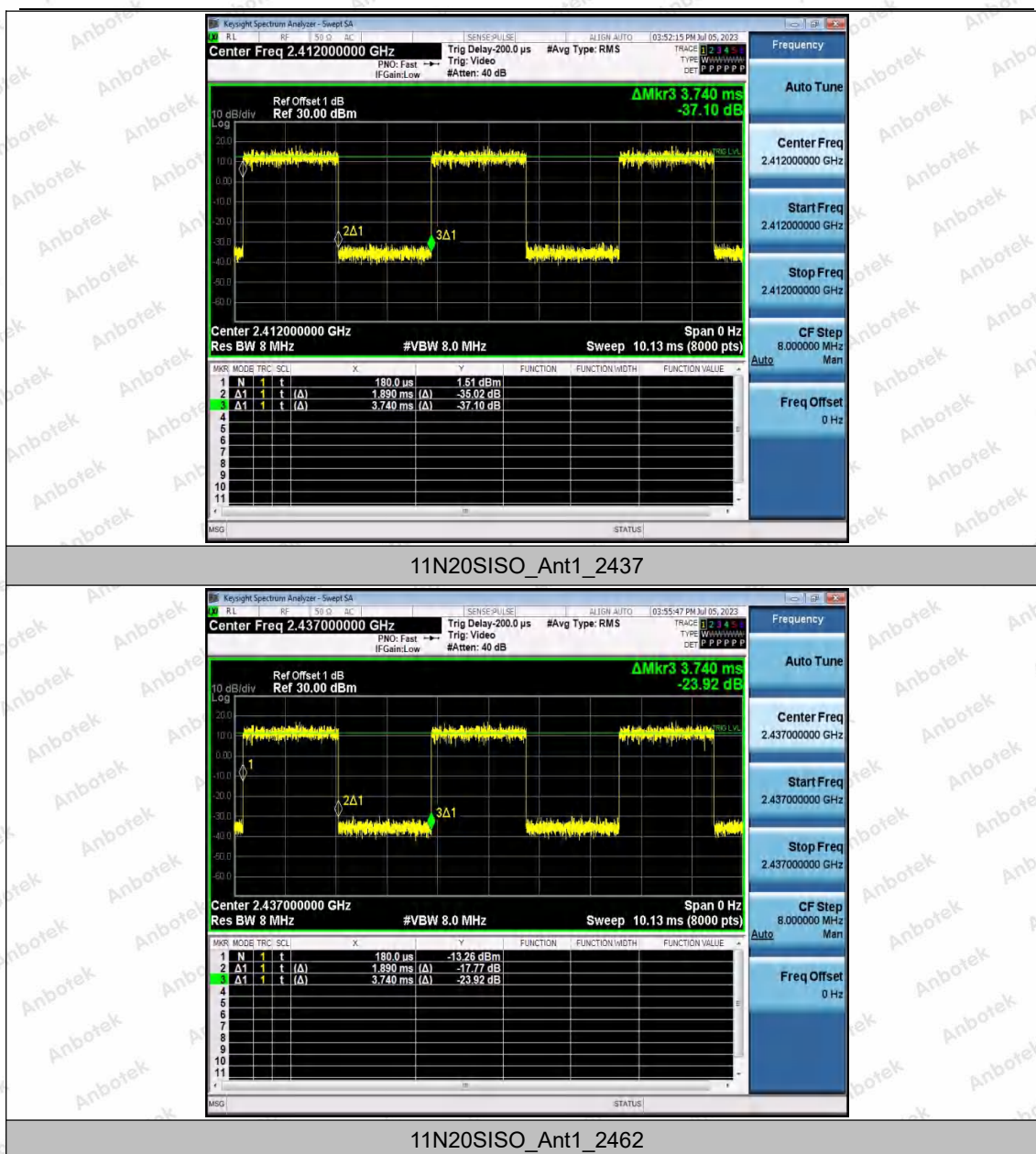
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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





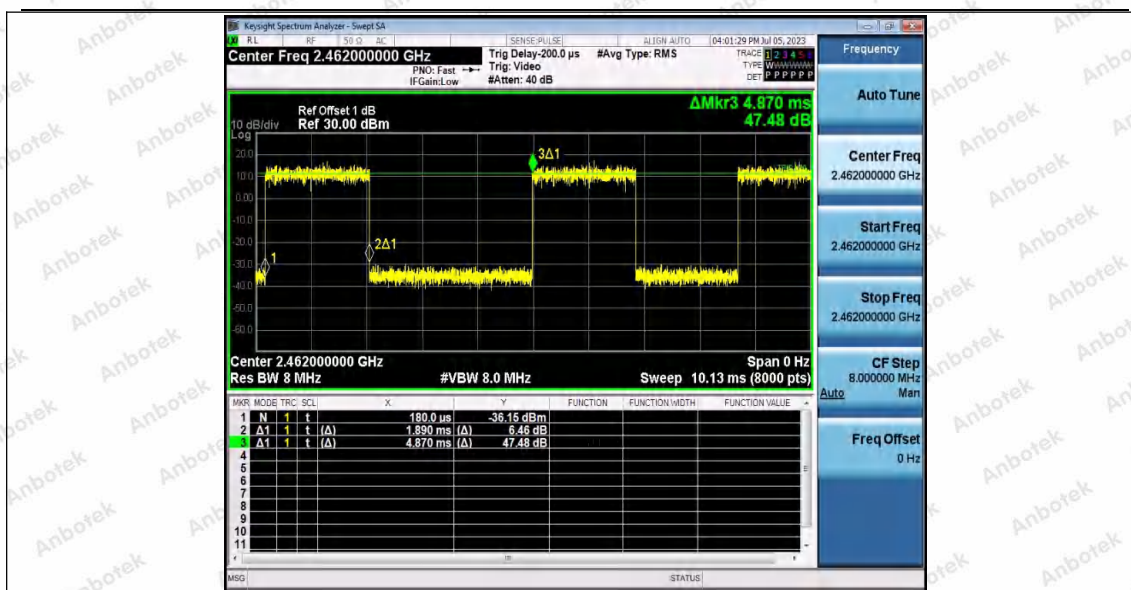
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