

Appendix Test Data

Report No.:	18220WC20220602	Test Sample No.:	1-2-2
Start Test Date:	2022.9.20	Finish Test Date:	2022.9.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	Relative Humidity:	47 %
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	9.080	2407.440	2416.520	≥0.5	PASS
		2437	9.080	2432.440	2441.520	≥0.5	PASS
		2462	9.080	2457.440	2466.520	≥0.5	PASS
11G	Ant1	2412	16.360	2403.800	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
11N20	Ant1	2412	17.000	2403.480	2420.480	≥0.5	PASS
		2437	16.920	2428.480	2445.400	≥0.5	PASS
		2462	17.080	2453.480	2470.560	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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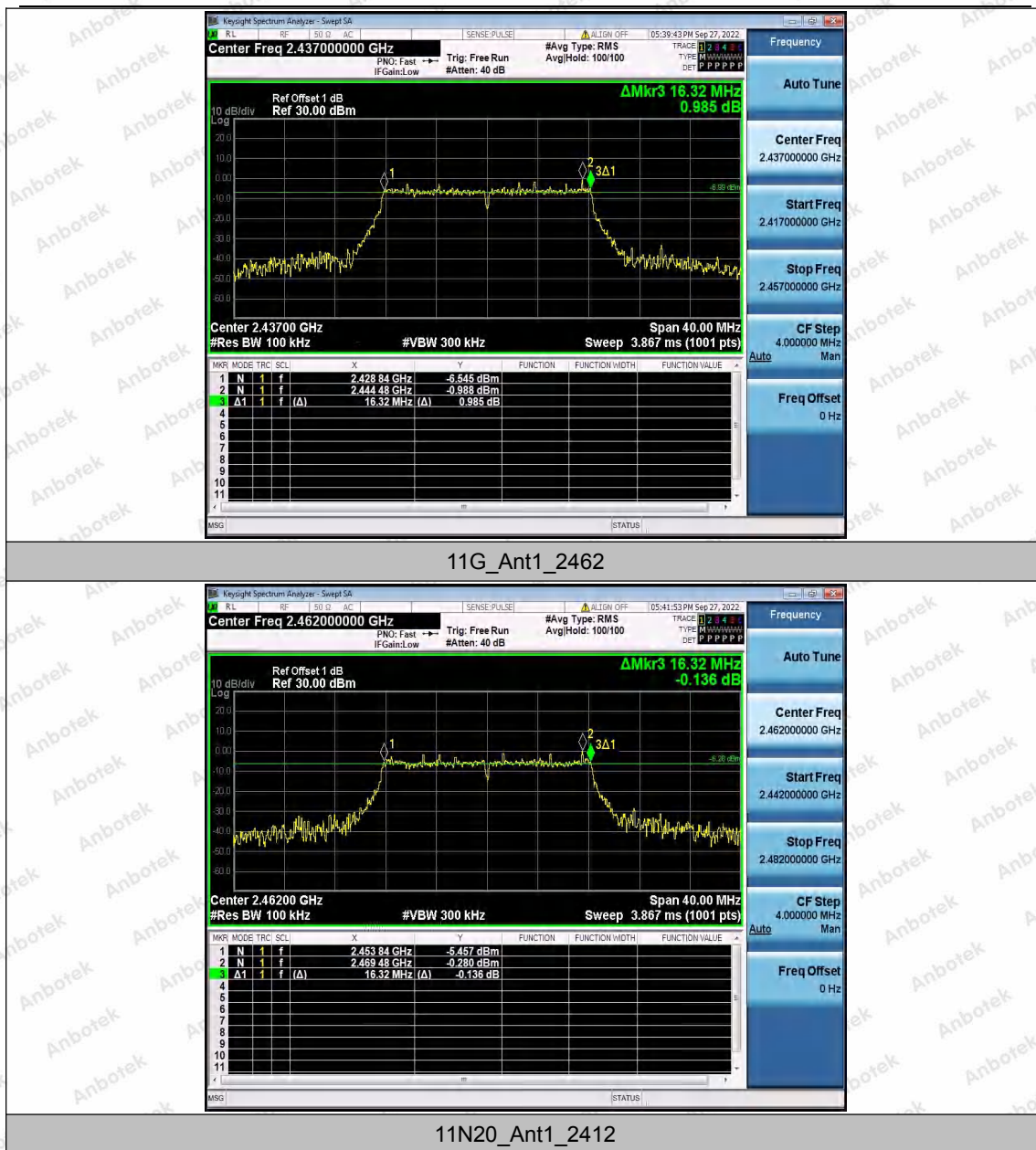
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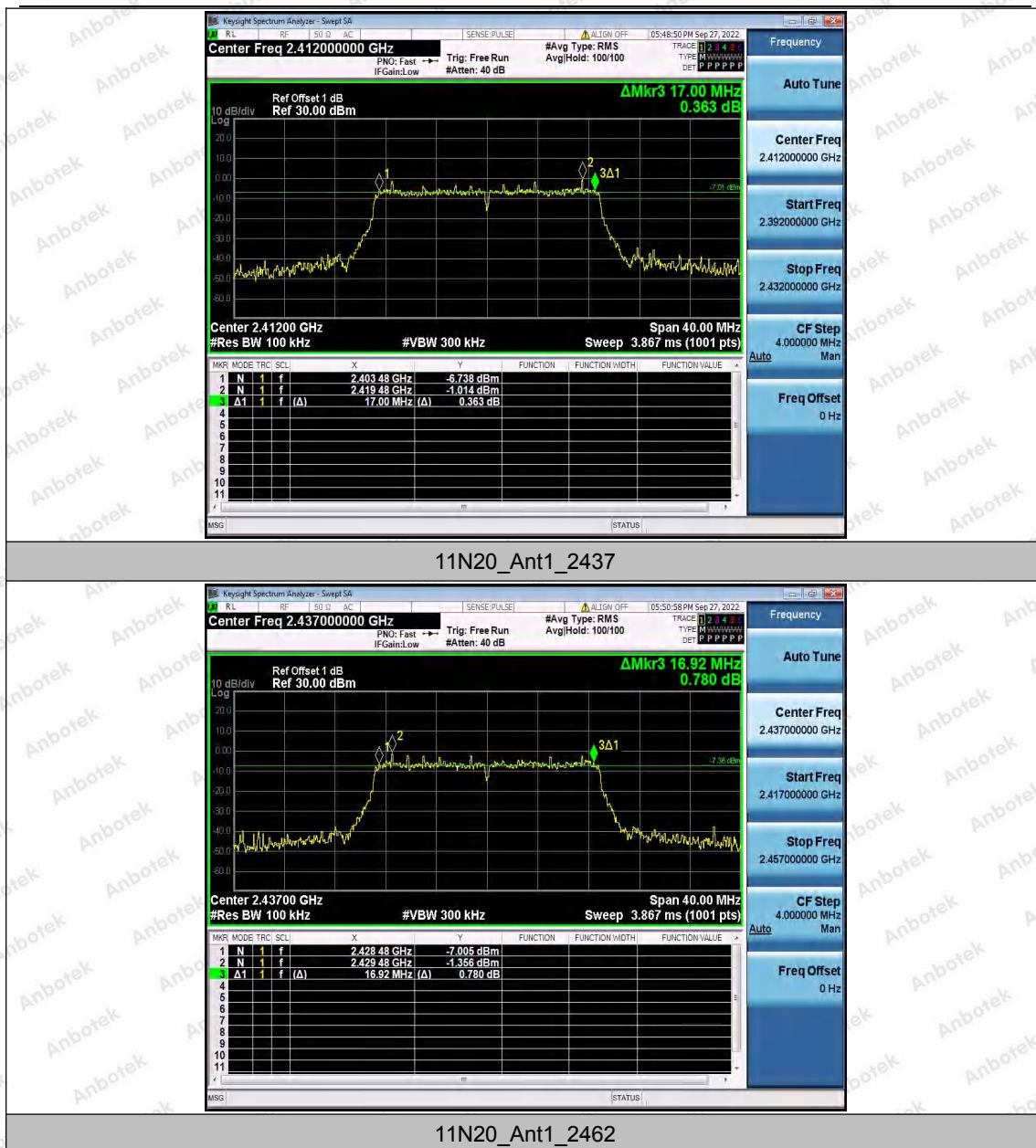
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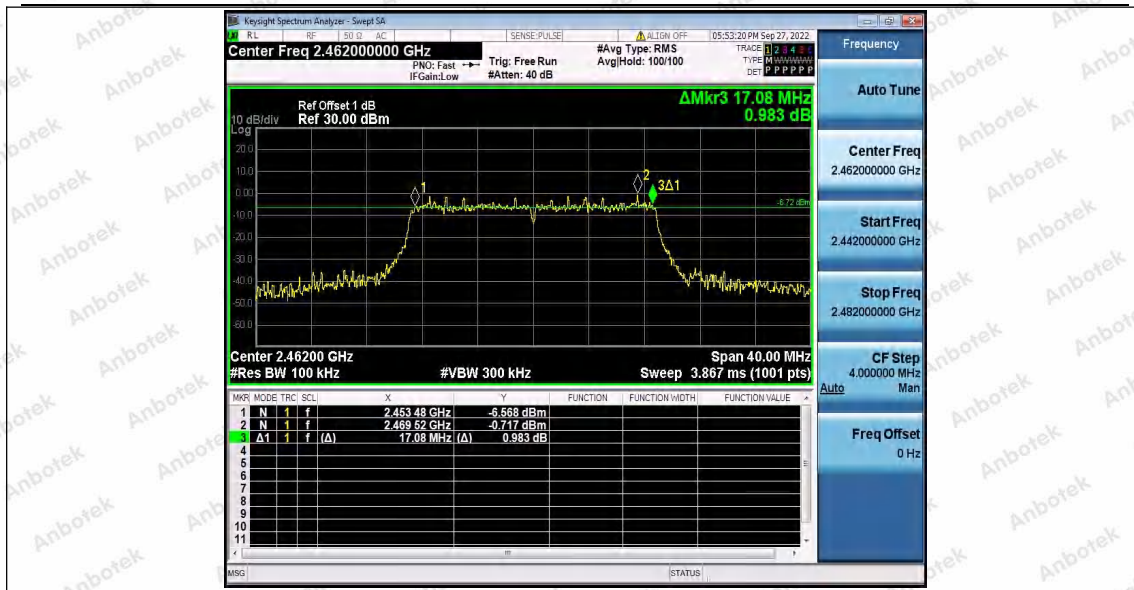
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.342	2405.3762	2418.7182
		2437	13.331	2430.3661	2443.6971
		2462	13.290	2455.3769	2468.6669
11G	Ant1	2412	17.017	2403.5282	2420.5452
		2437	17.021	2428.5350	2445.5560
		2462	16.968	2453.5837	2470.5517
11N20	Ant1	2412	17.794	2403.1510	2420.9450
		2437	17.777	2428.1620	2445.9390
		2462	17.782	2453.1507	2470.9327



Test Graphs



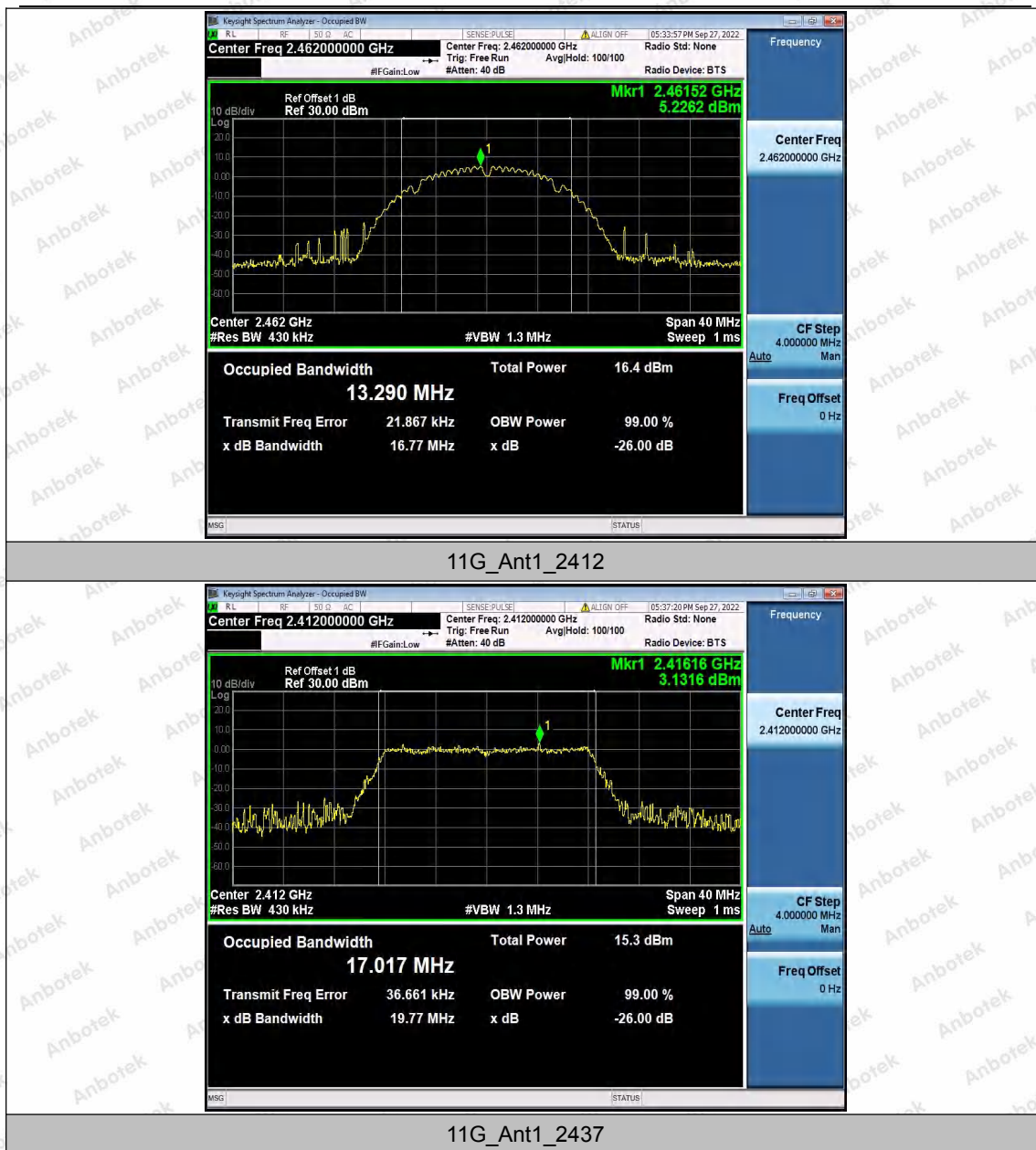
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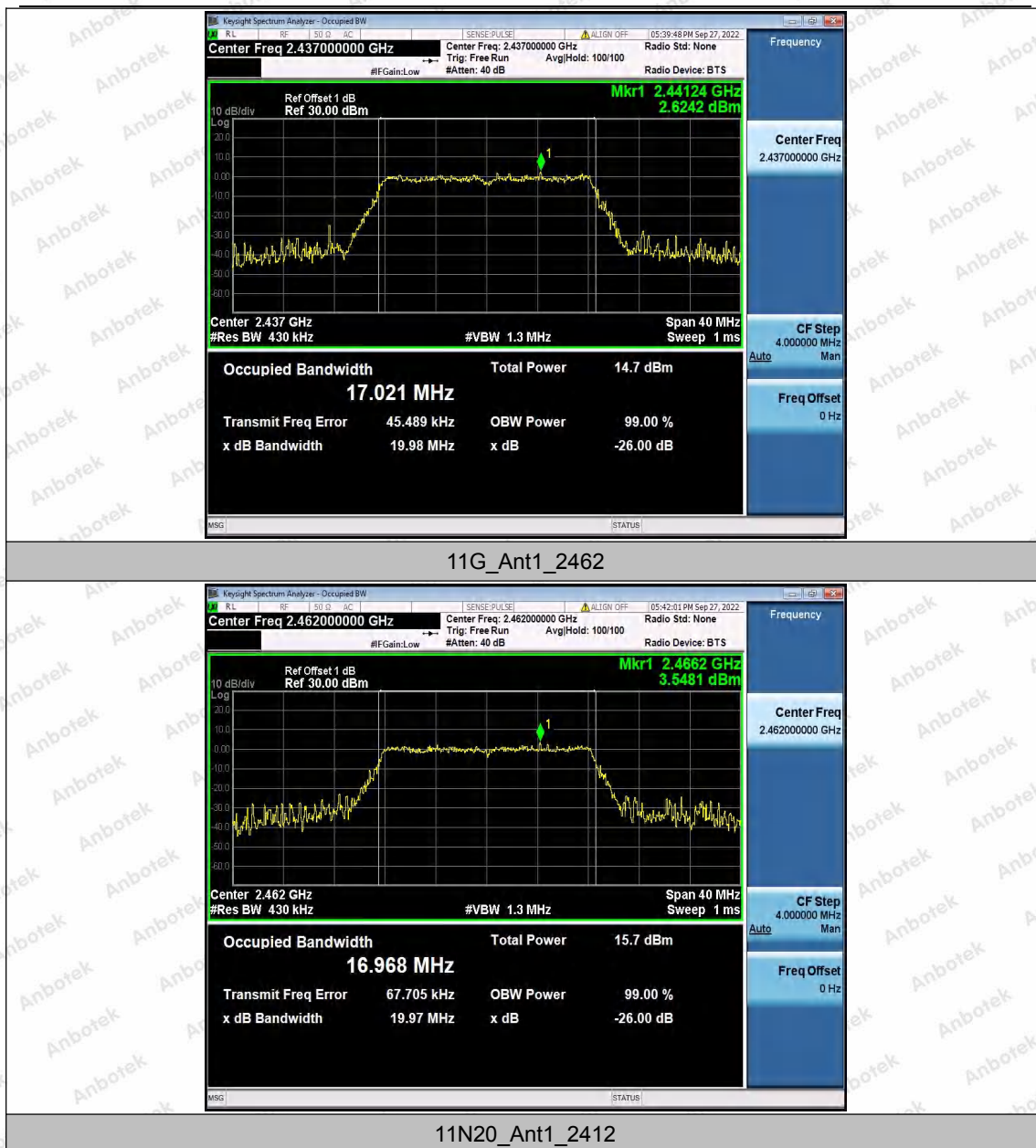
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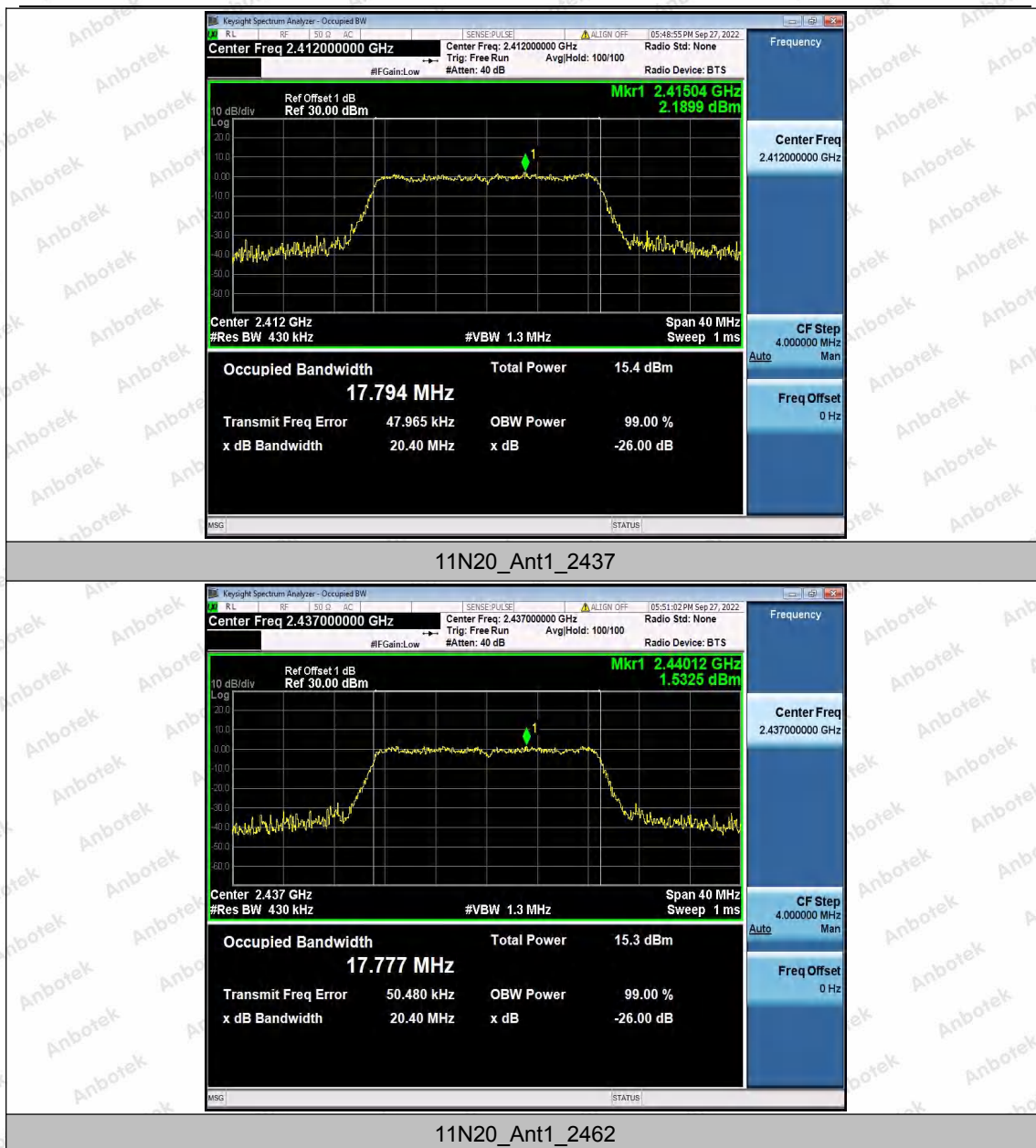
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.98	≤30.00
		2437	15.79	≤30.00
		2462	16.46	≤30.00
11G	Ant1	2412	16.48	≤30.00
		2437	16.42	≤30.00
		2462	16.25	≤30.00
11N20	Ant1	2412	16.67	≤30.00
		2437	16.57	≤30.00
		2462	17.10	≤30.00

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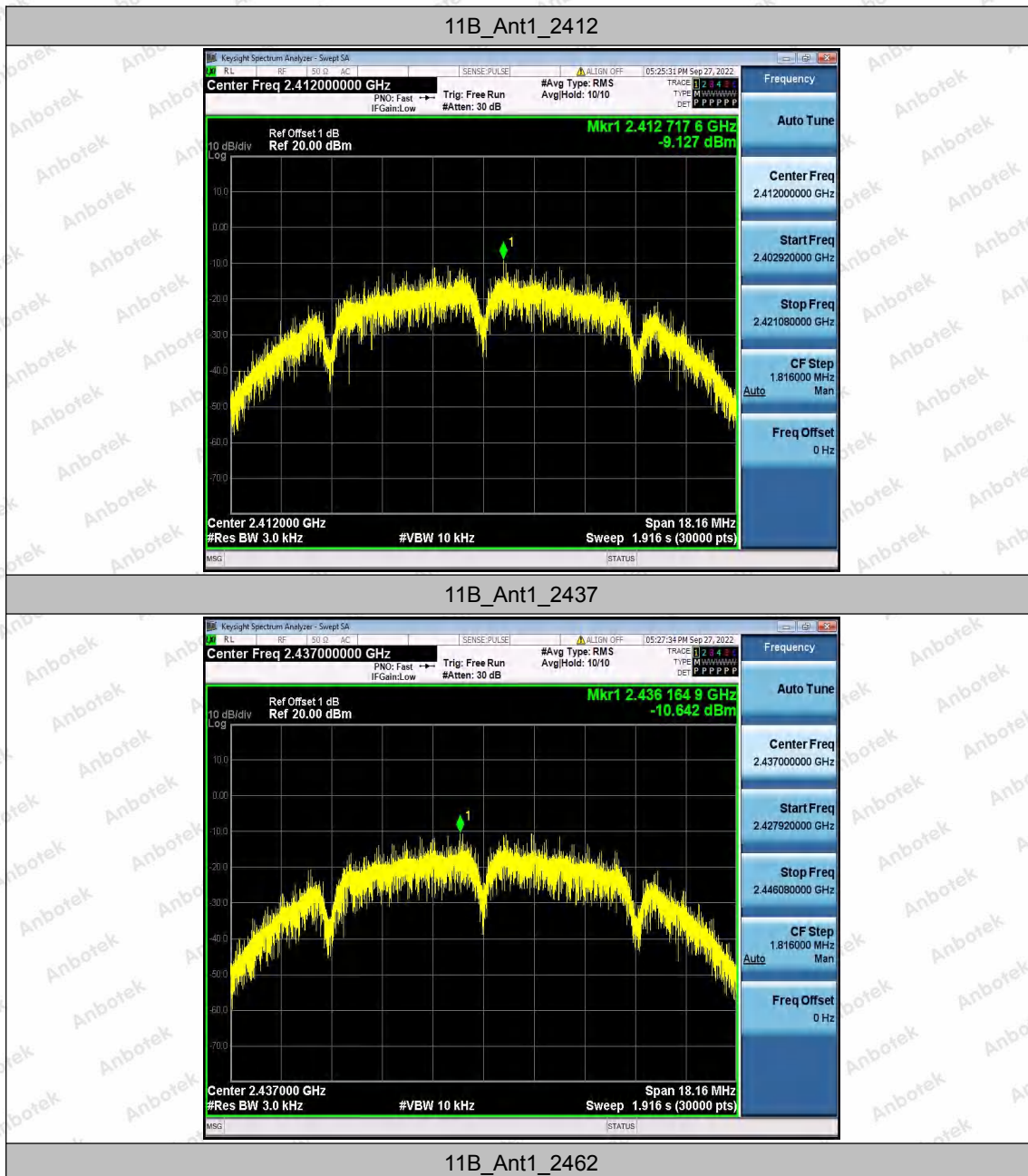
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.13	≤8.00	PASS
		2437	-10.64	≤8.00	PASS
		2462	-9.47	≤8.00	PASS
11G	Ant1	2412	-16.7	≤8.00	PASS
		2437	-16.9	≤8.00	PASS
		2462	-14.99	≤8.00	PASS
11N20	Ant1	2412	-15.89	≤8.00	PASS
		2437	-16.96	≤8.00	PASS
		2462	-15.51	≤8.00	PASS



Test Graphs



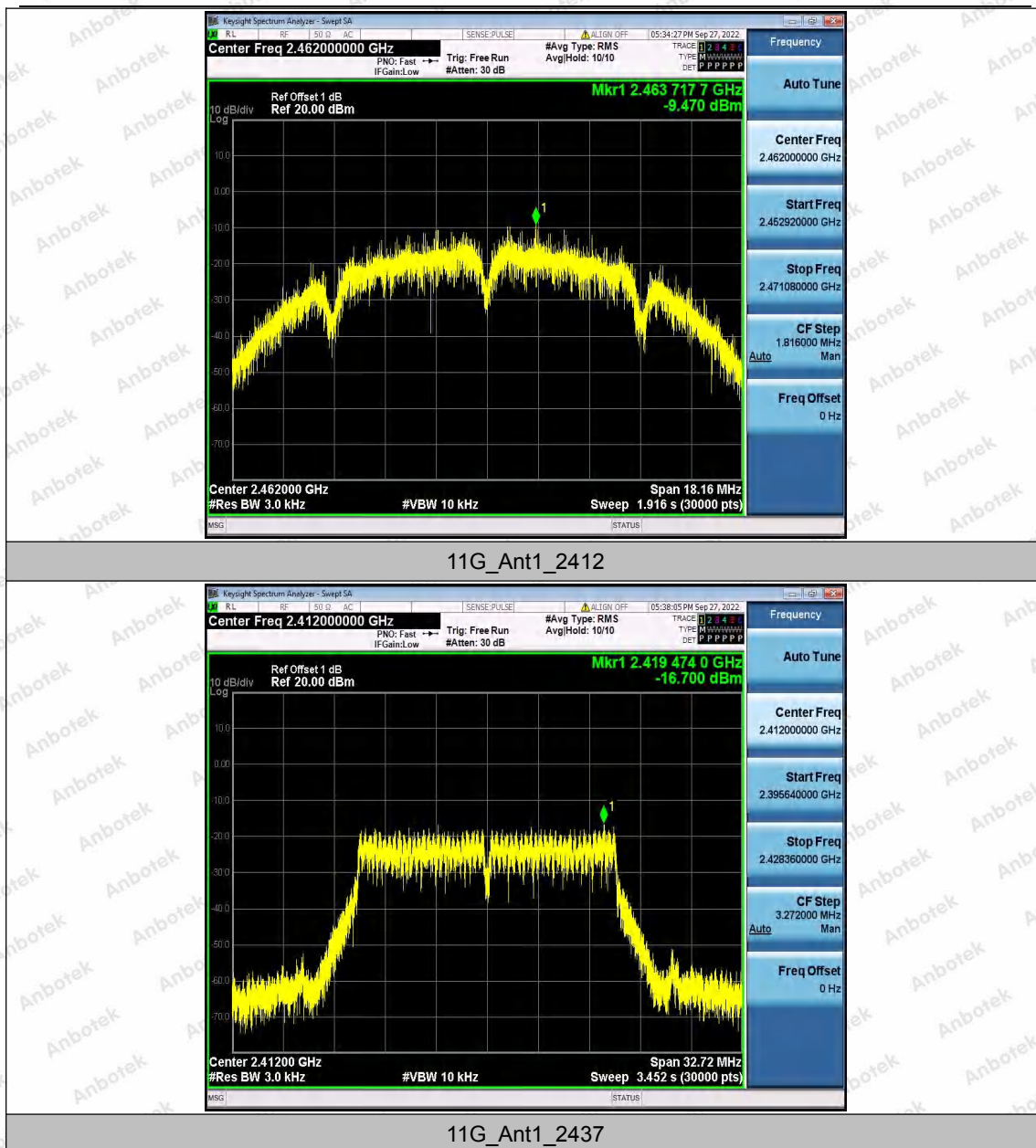
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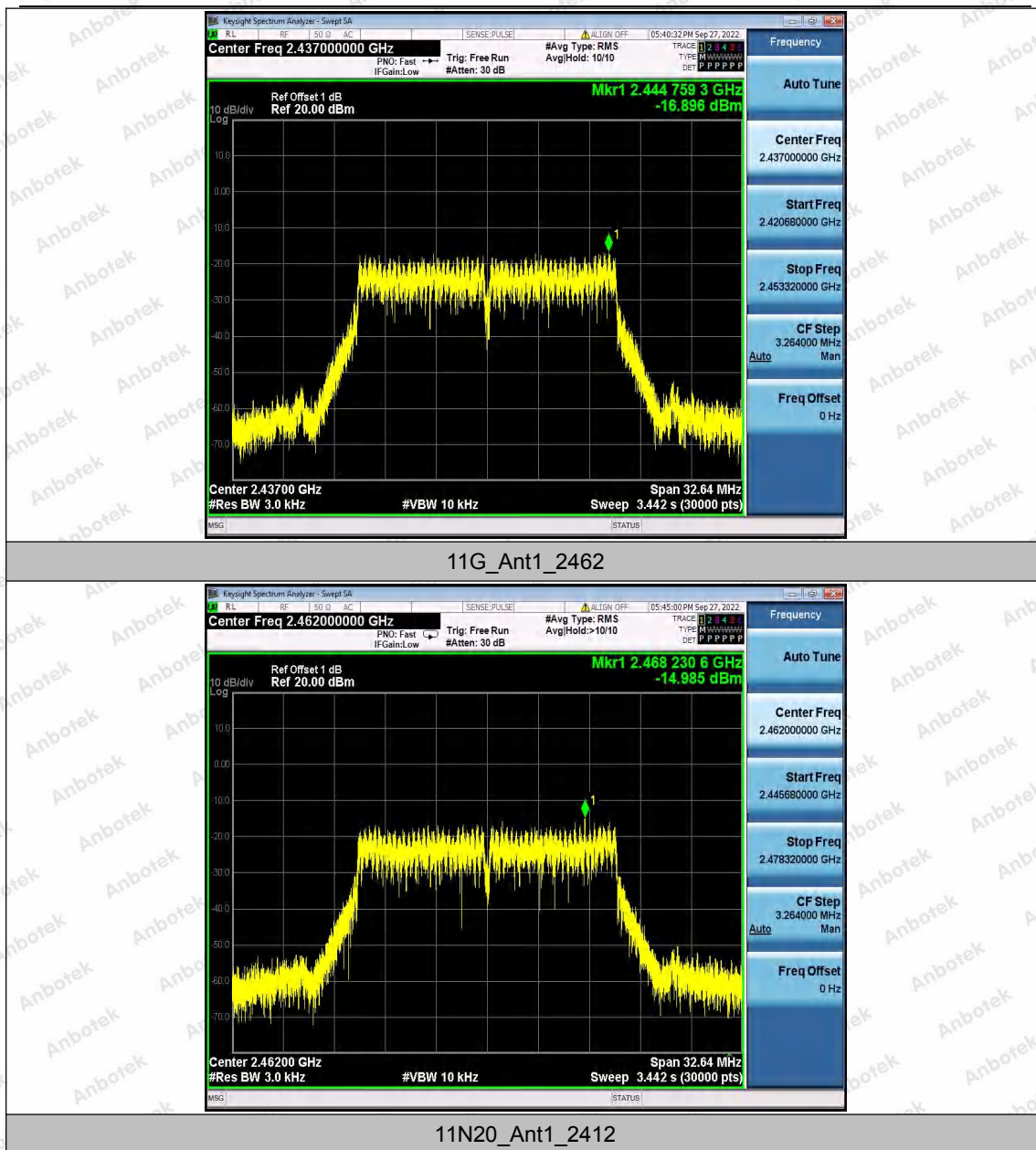


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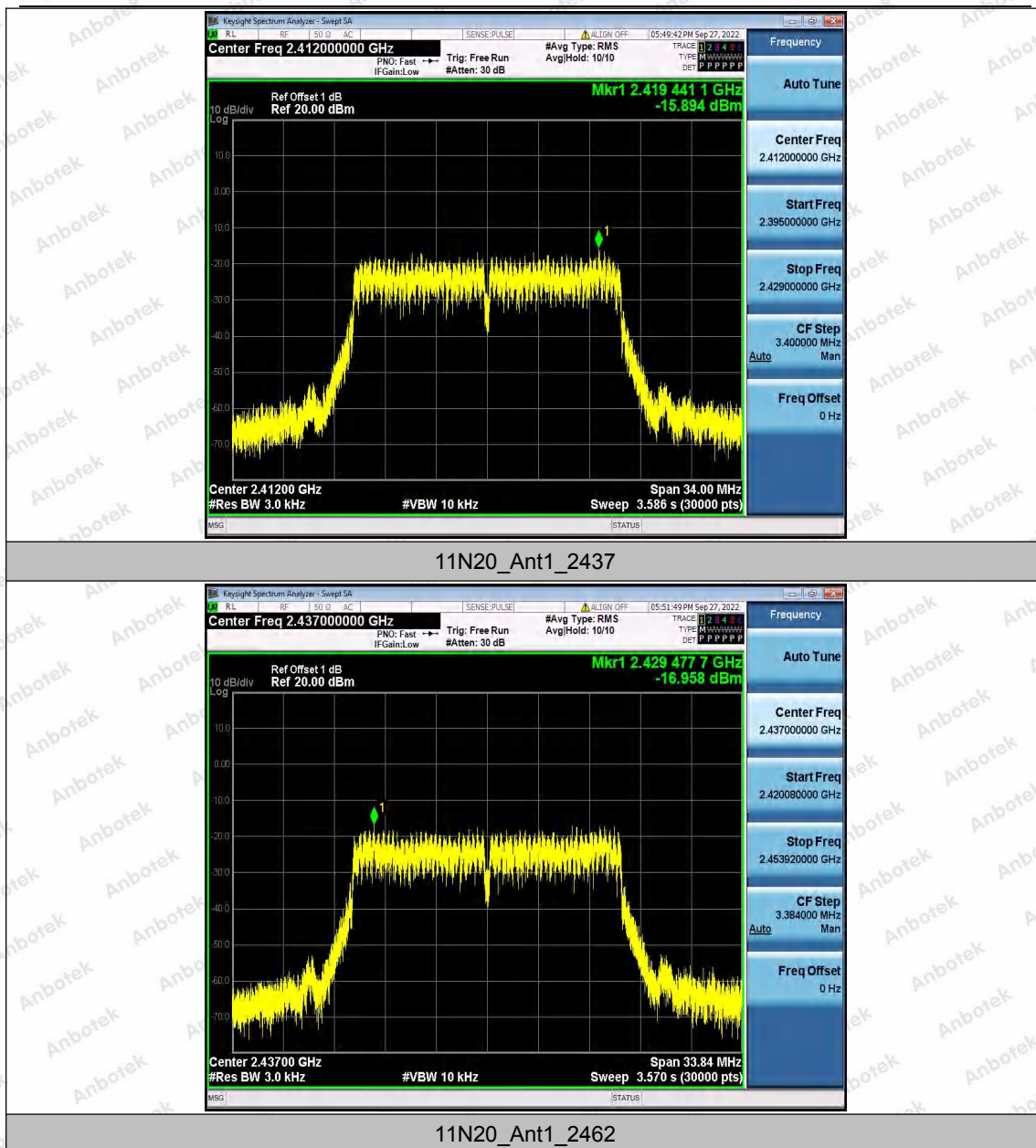
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.09	-41.53	≤-16.91	PASS
		High	2462	3.41	-55.43	≤-16.59	PASS
11G	Ant1	Low	2412	-1.36	-34.59	≤-21.36	PASS
		High	2462	-1.38	-41.97	≤-21.38	PASS
11N20	Ant1	Low	2412	-1.93	-38.08	≤-21.93	PASS
		High	2462	-0.81	-41.25	≤-20.81	PASS

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Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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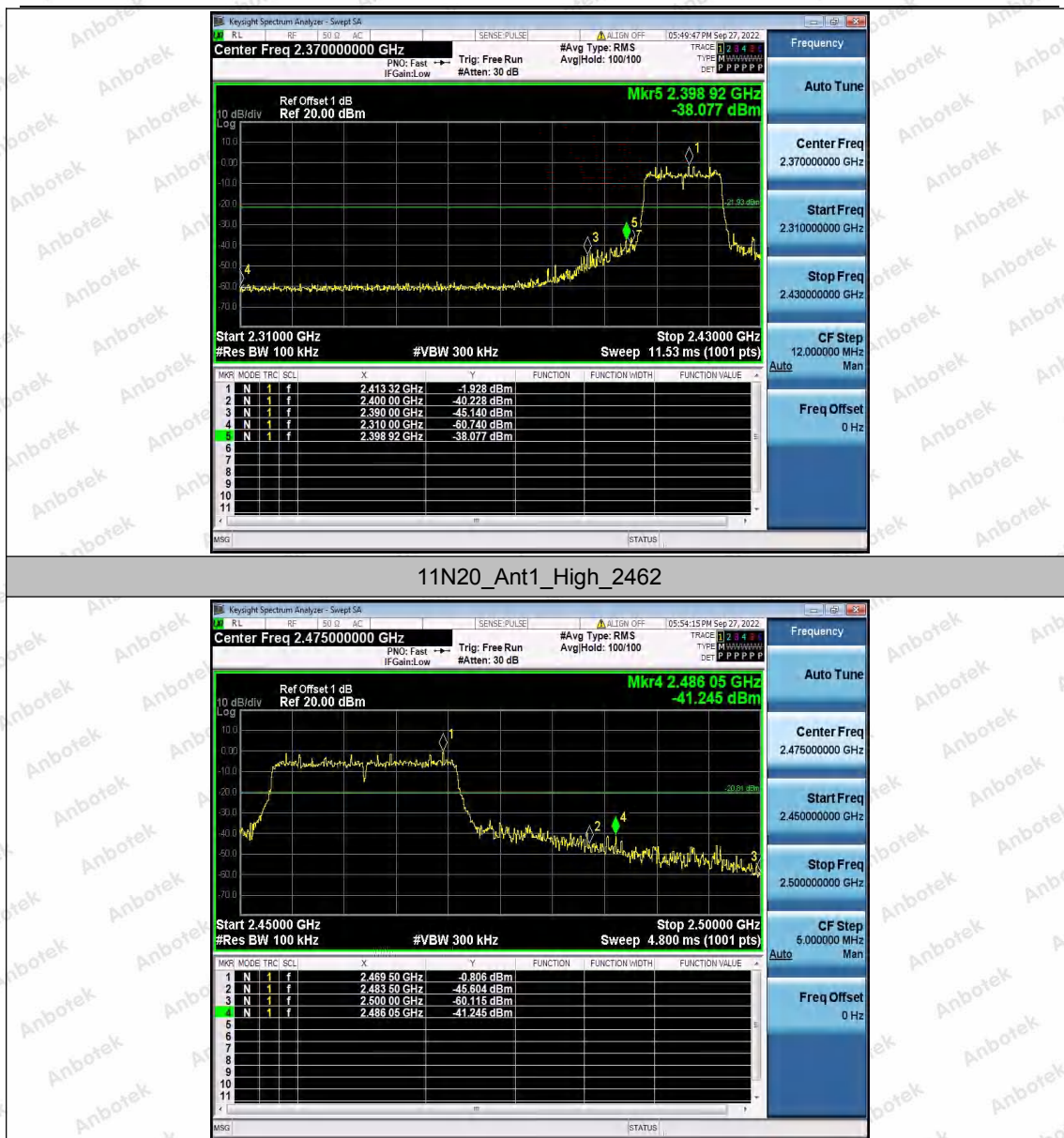
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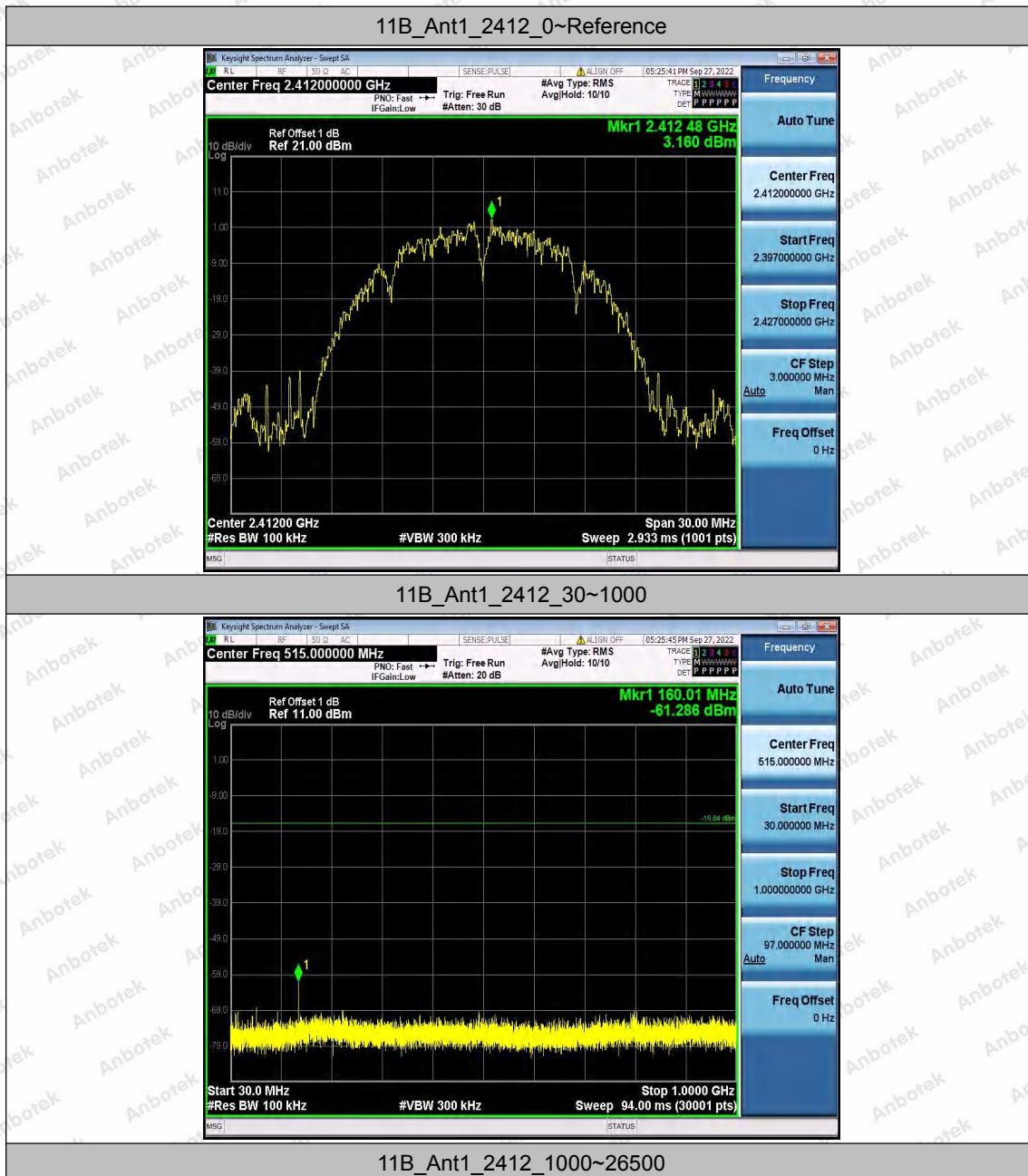
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-61.29	≤-16.84	PASS
			1000~26500	3.16	-40.03	≤-16.84	PASS
		2437	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-58.63	≤-17.99	PASS
			1000~26500	2.01	-40.22	≤-17.99	PASS
		2462	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-60.9	≤-17.35	PASS
			1000~26500	2.65	-41.17	≤-17.35	PASS
11G	Ant1	2412	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-59.58	≤-22.47	PASS
			1000~26500	-2.47	-52.18	≤-22.47	PASS
		2437	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-58.44	≤-24.12	PASS
			1000~26500	-4.12	-53.54	≤-24.12	PASS
		2462	Reference	-4.63	-4.63	---	PASS
			30~1000	-4.63	-58.84	≤-24.63	PASS
			1000~26500	-4.63	-53.52	≤-24.63	PASS
11N20	Ant1	2412	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-58.89	≤-22.18	PASS
			1000~26500	-2.18	-53.17	≤-22.18	PASS
		2437	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-57.75	≤-25.3	PASS
			1000~26500	-5.30	-53.61	≤-25.3	PASS
		2462	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-59.33	≤-20.79	PASS
			1000~26500	-0.79	-53.17	≤-20.79	PASS



Test Graphs



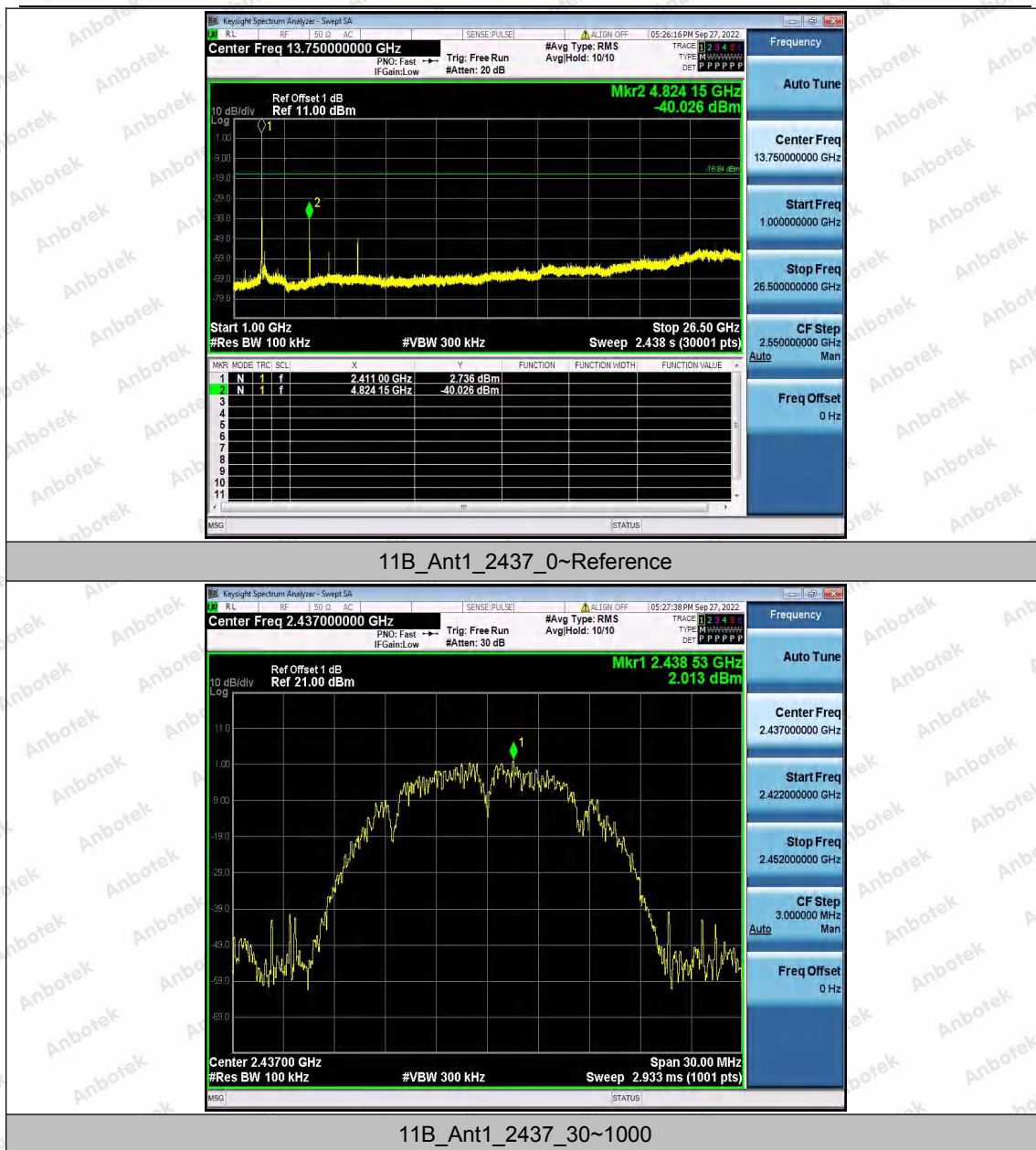
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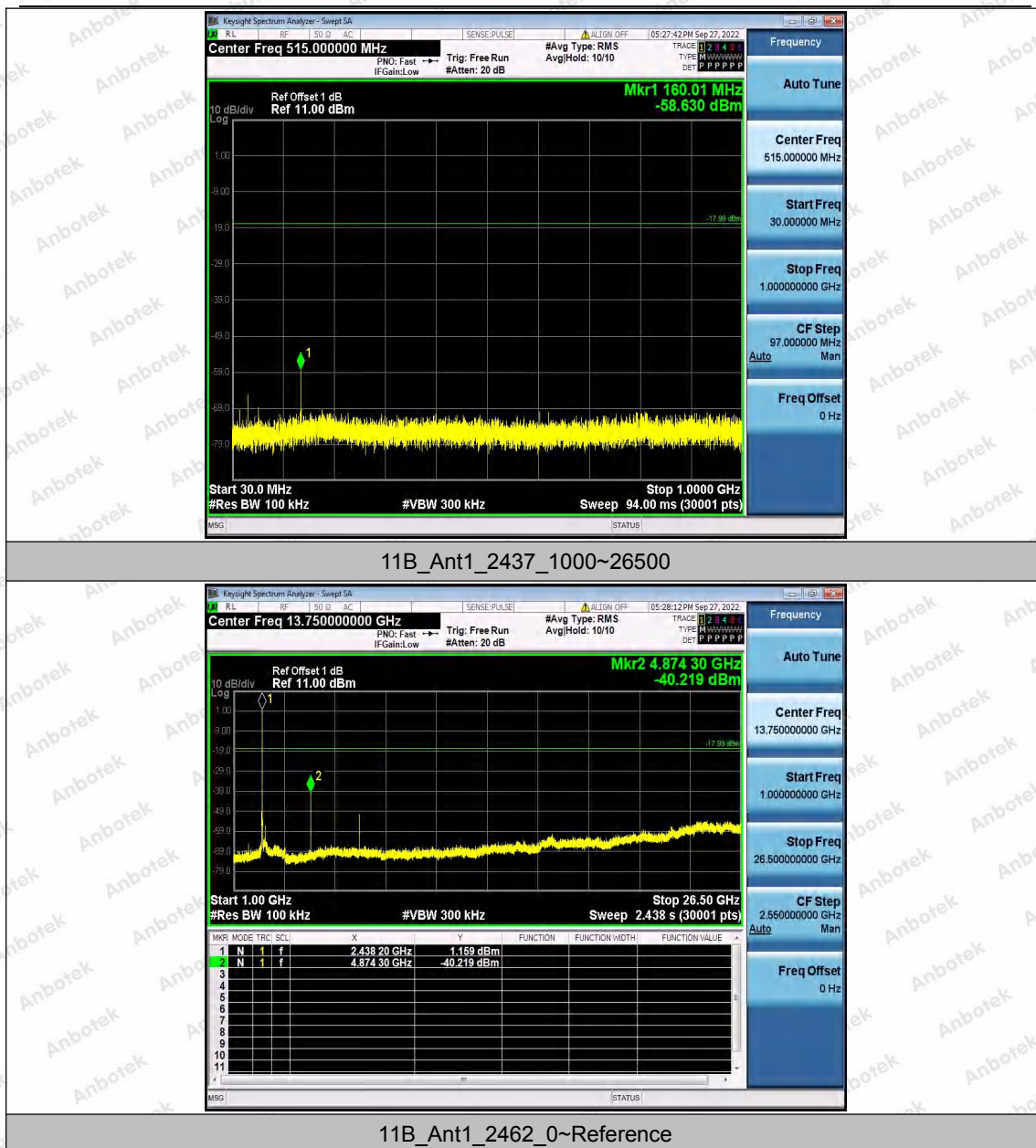
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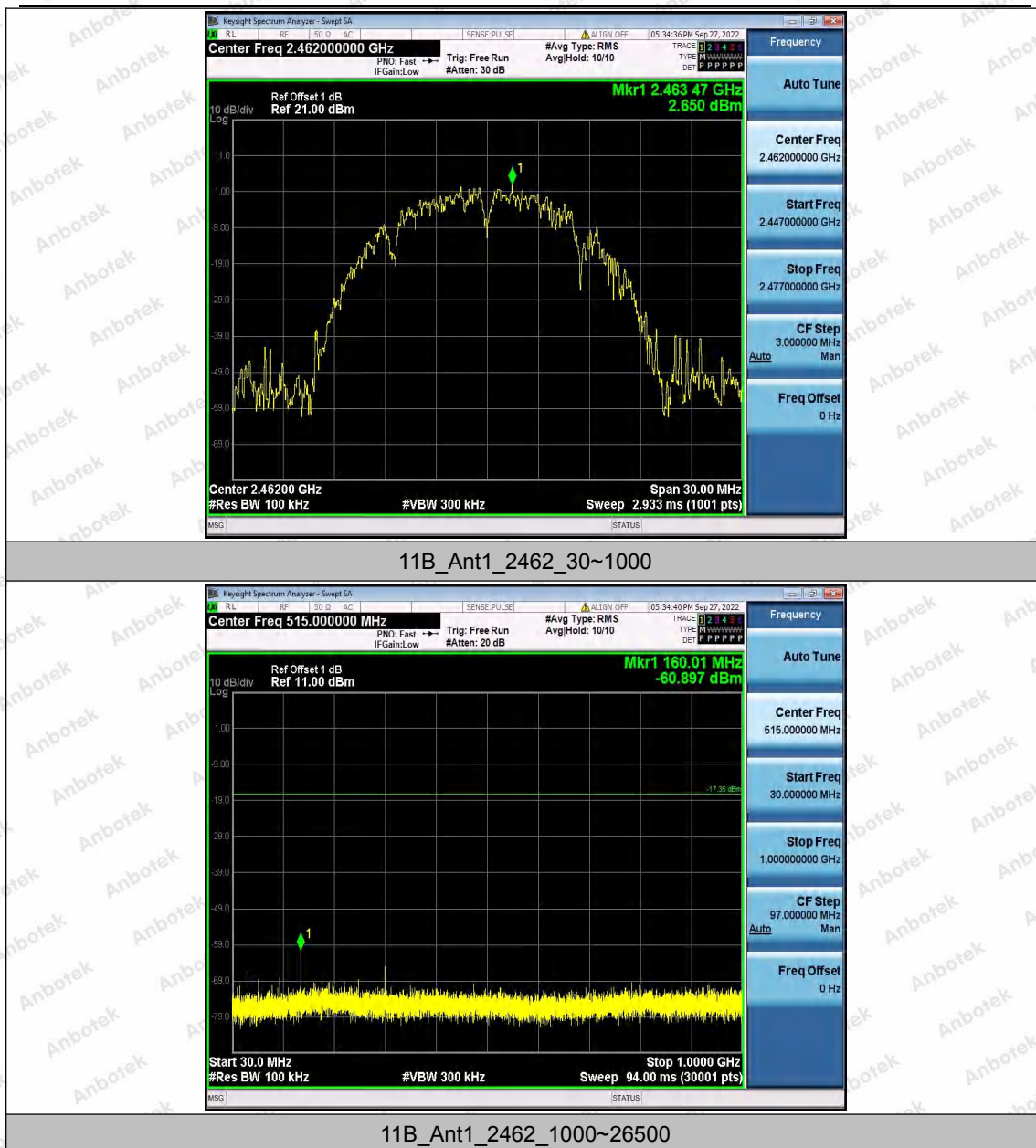
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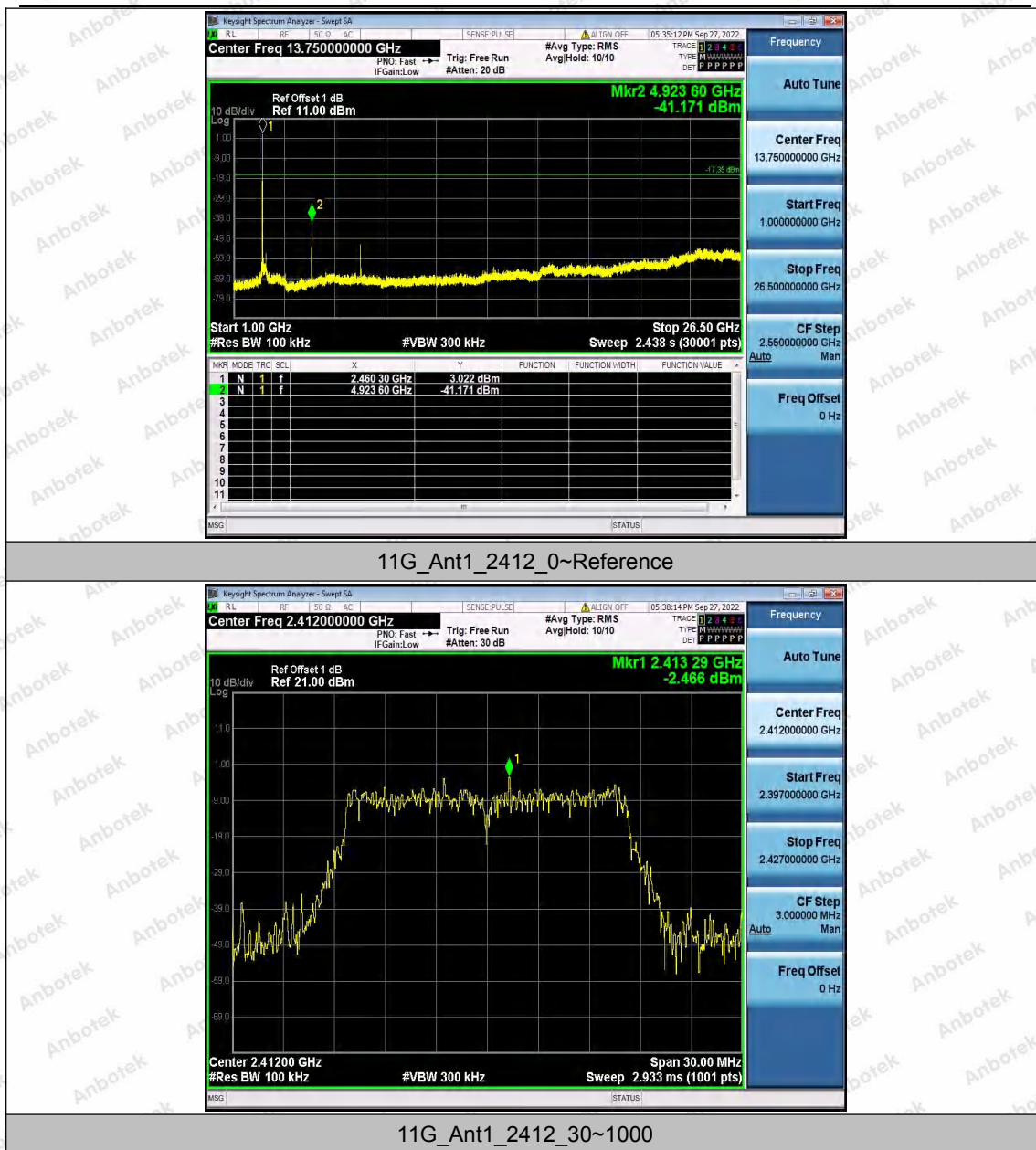
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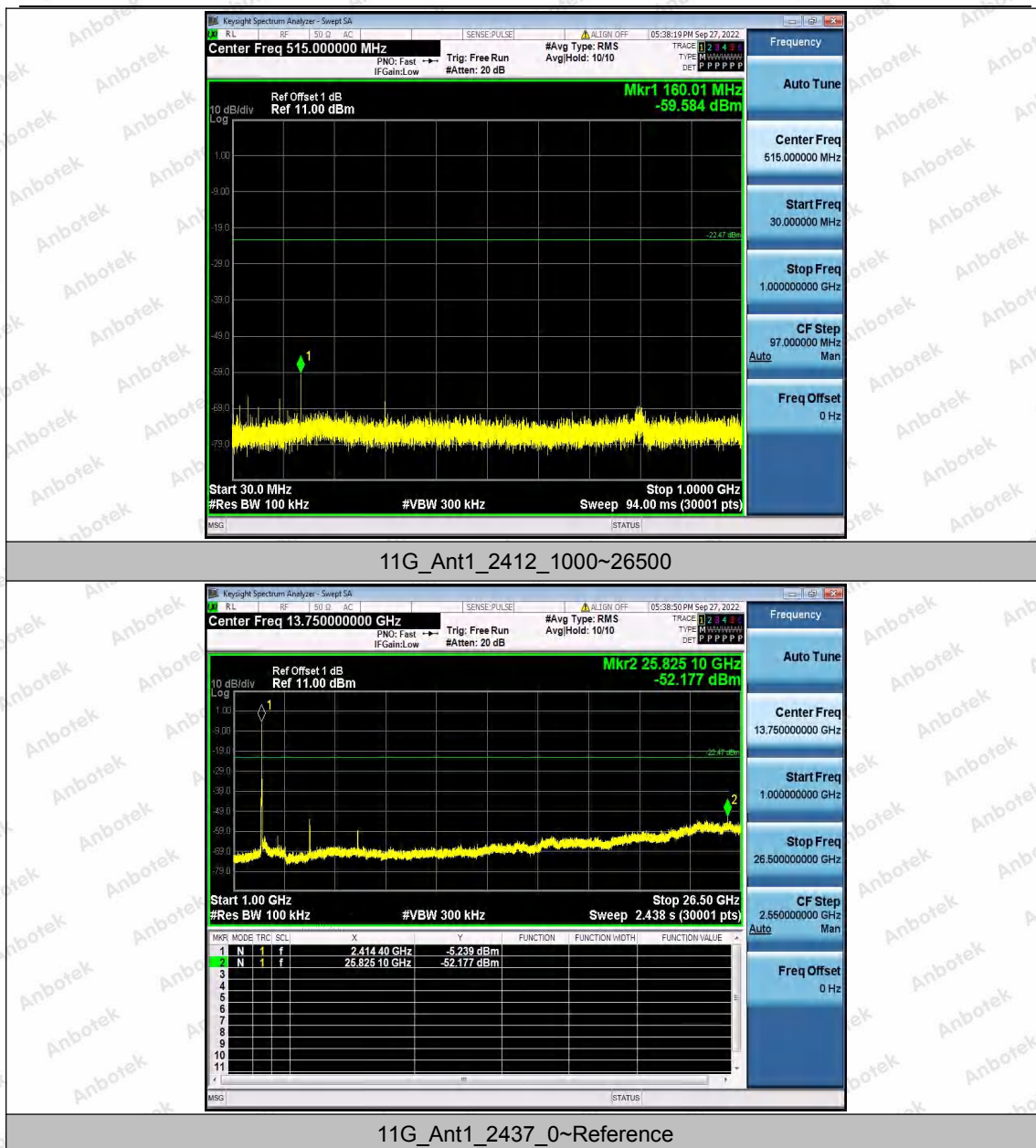
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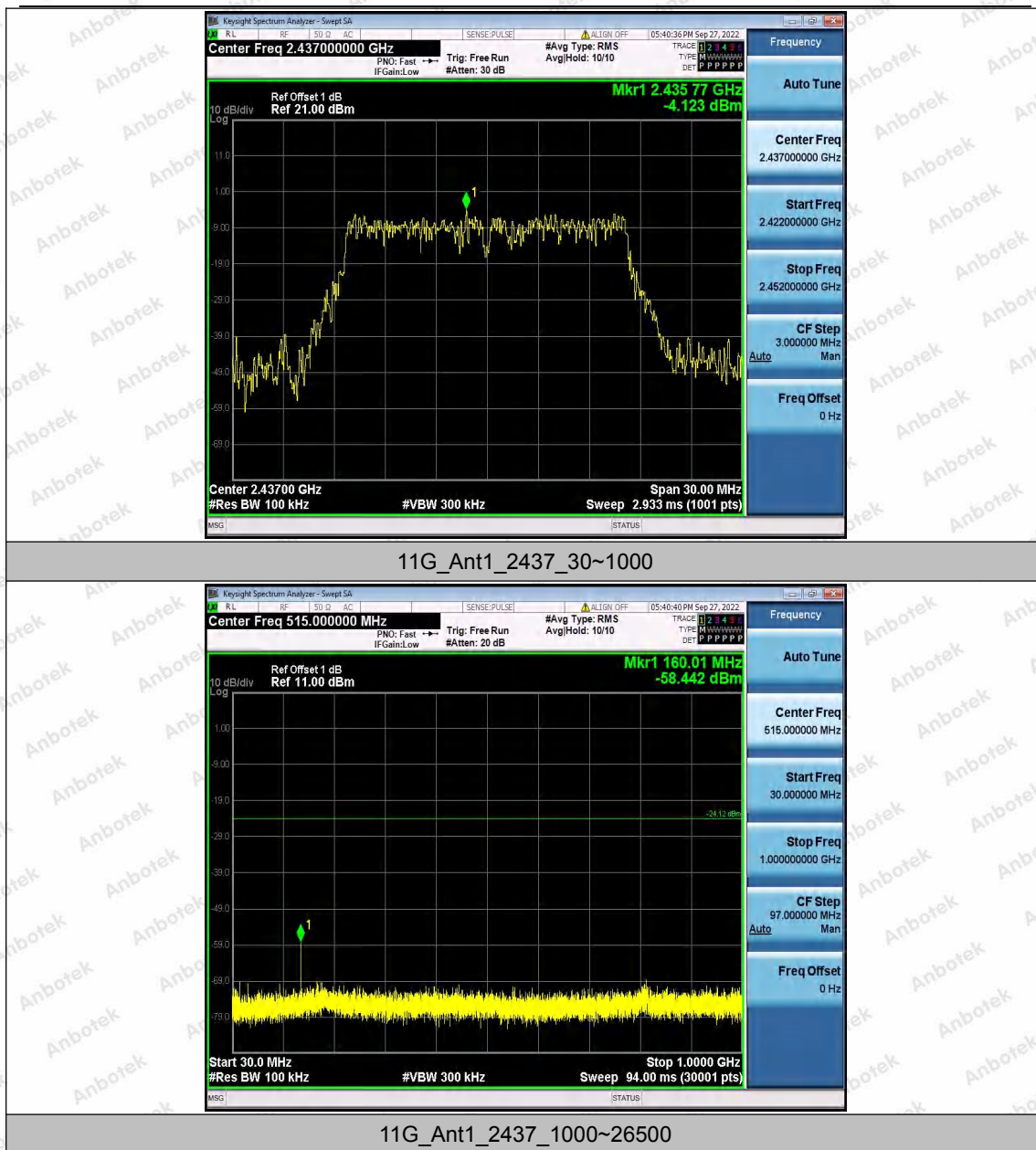
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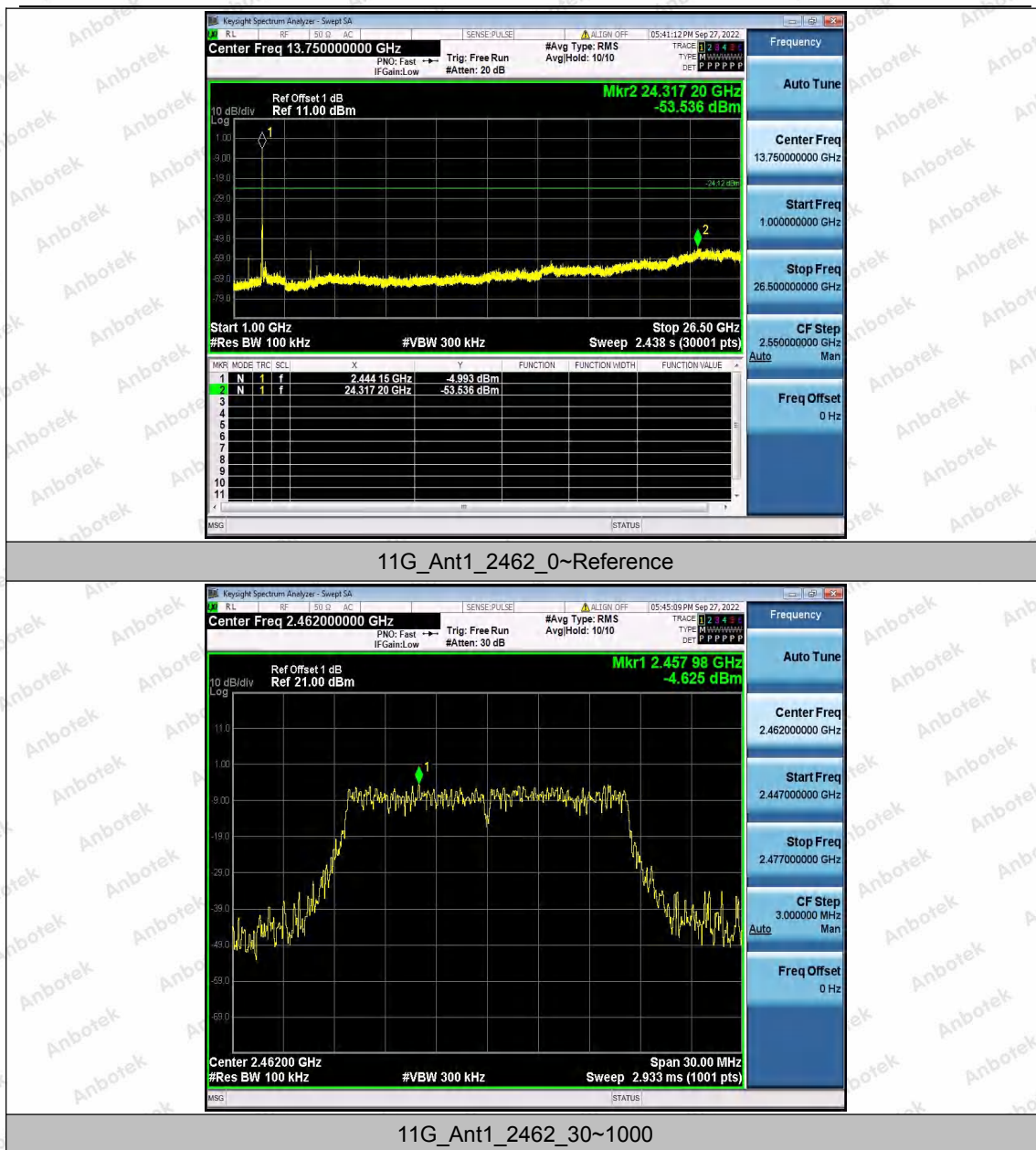
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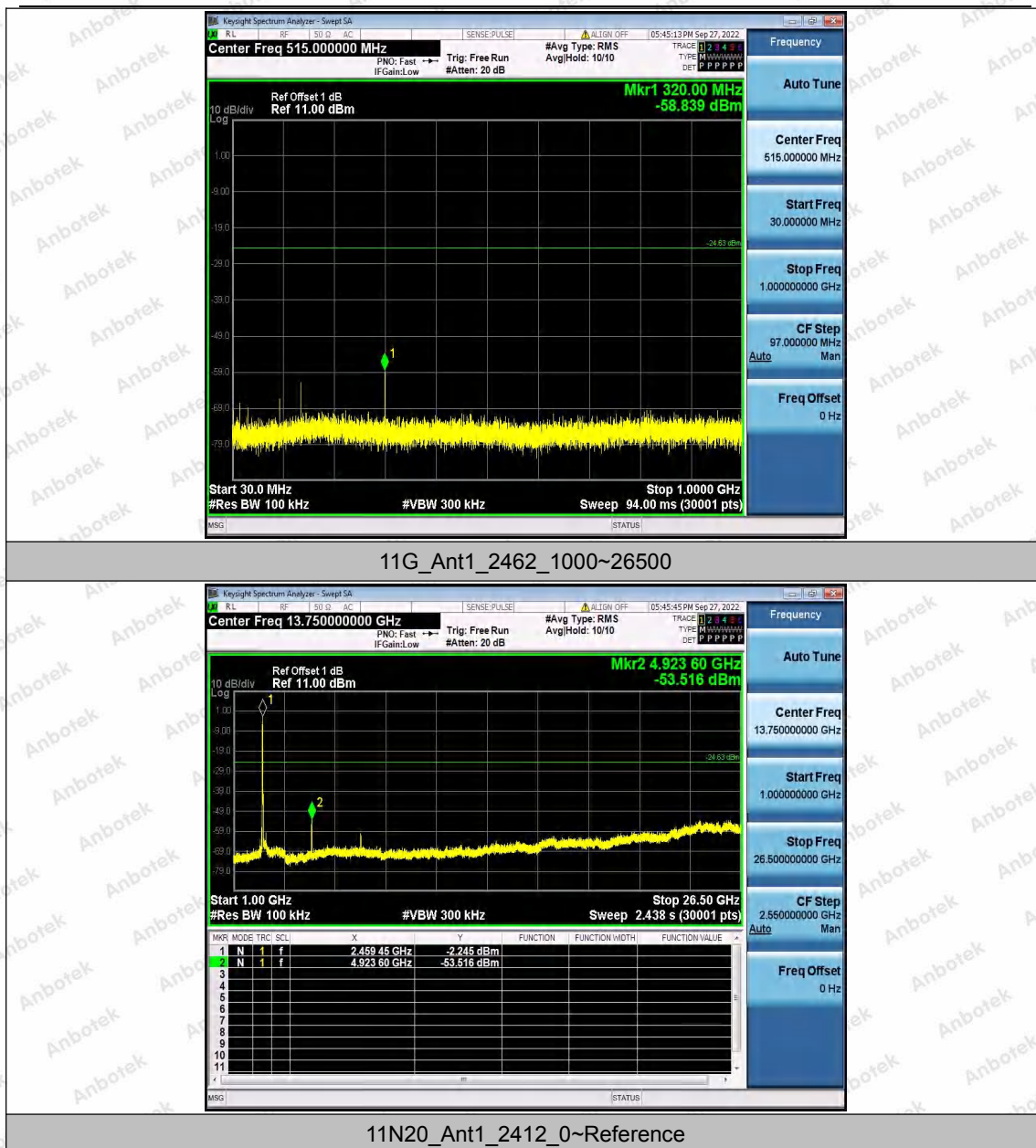
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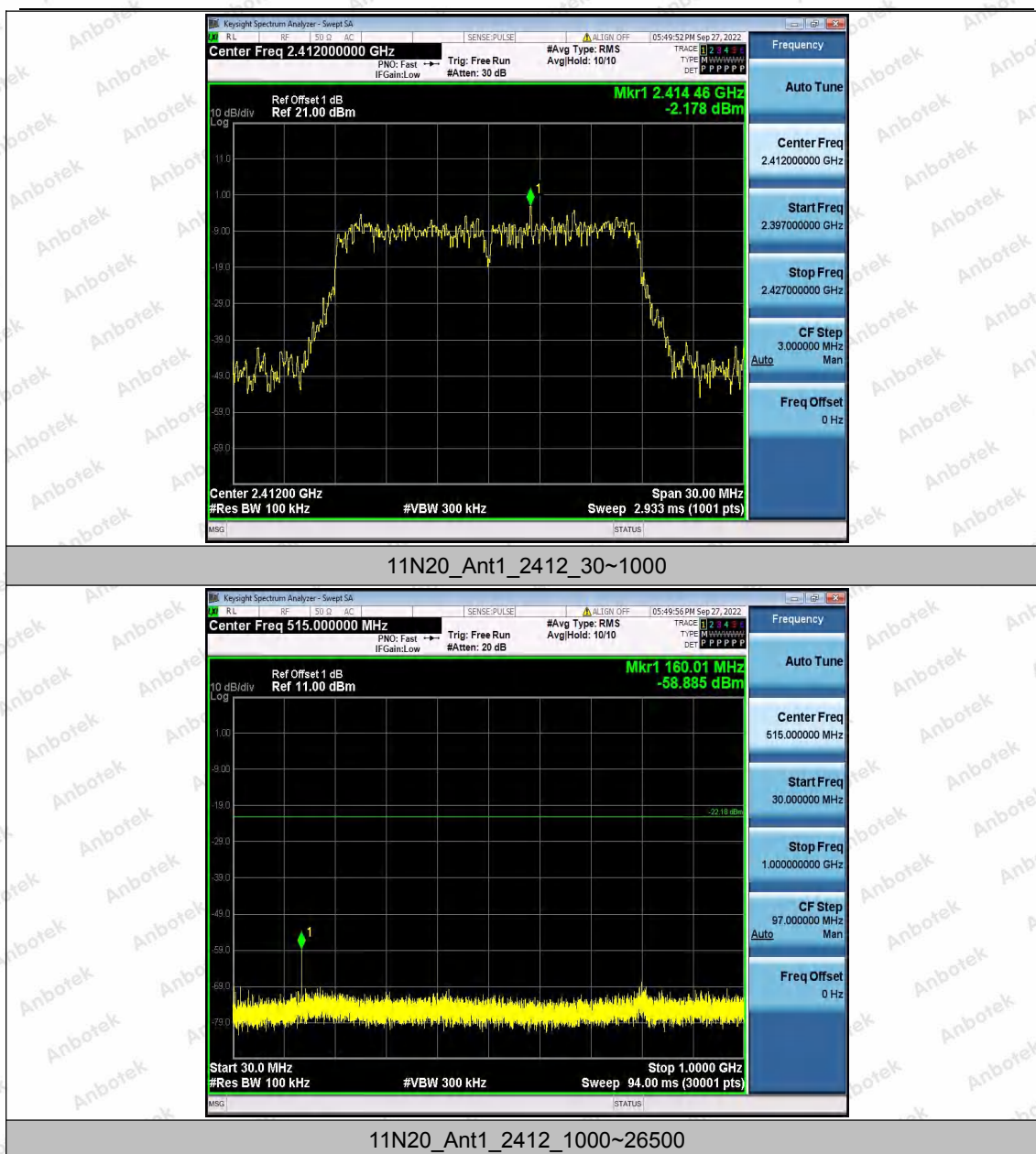
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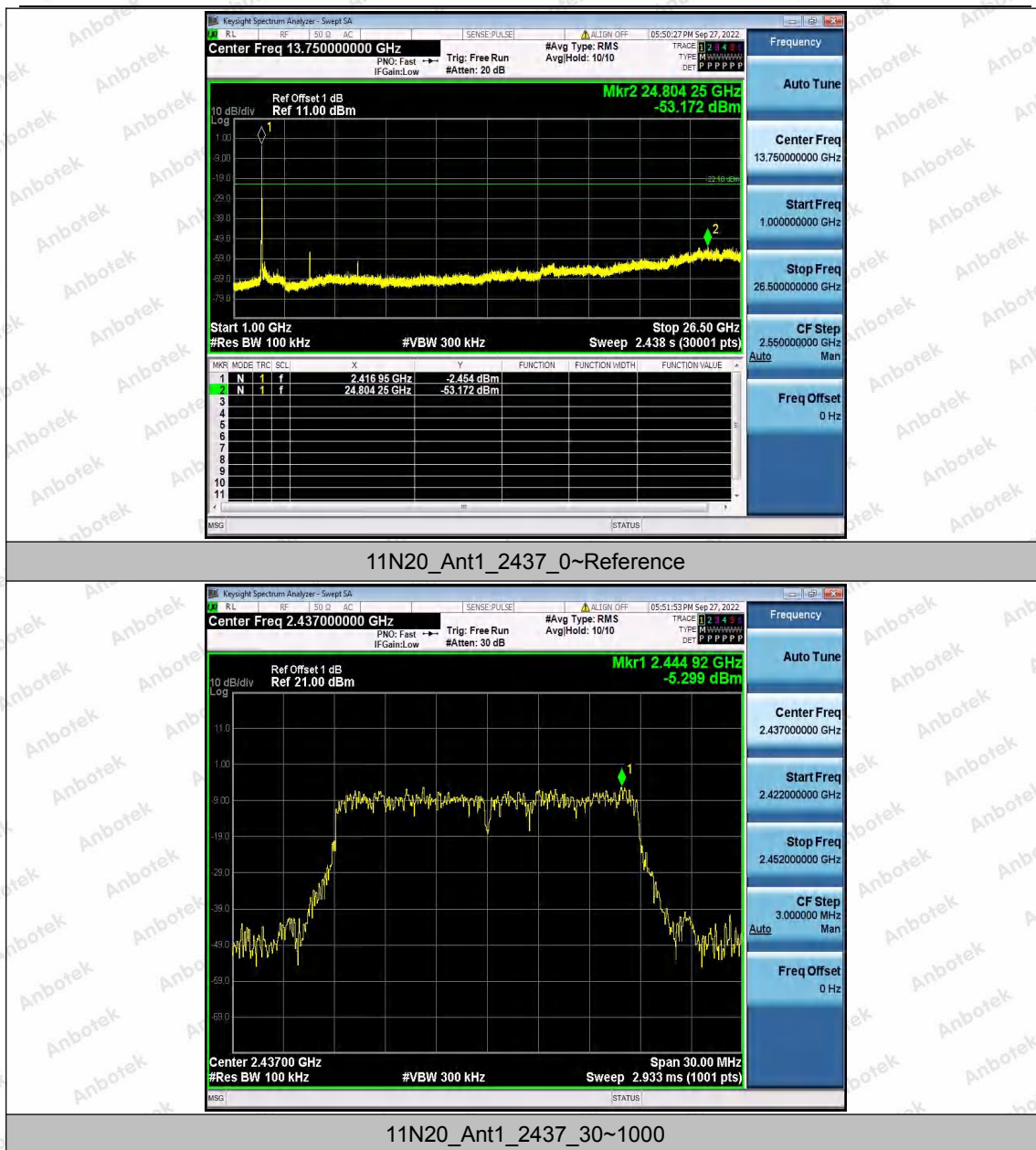
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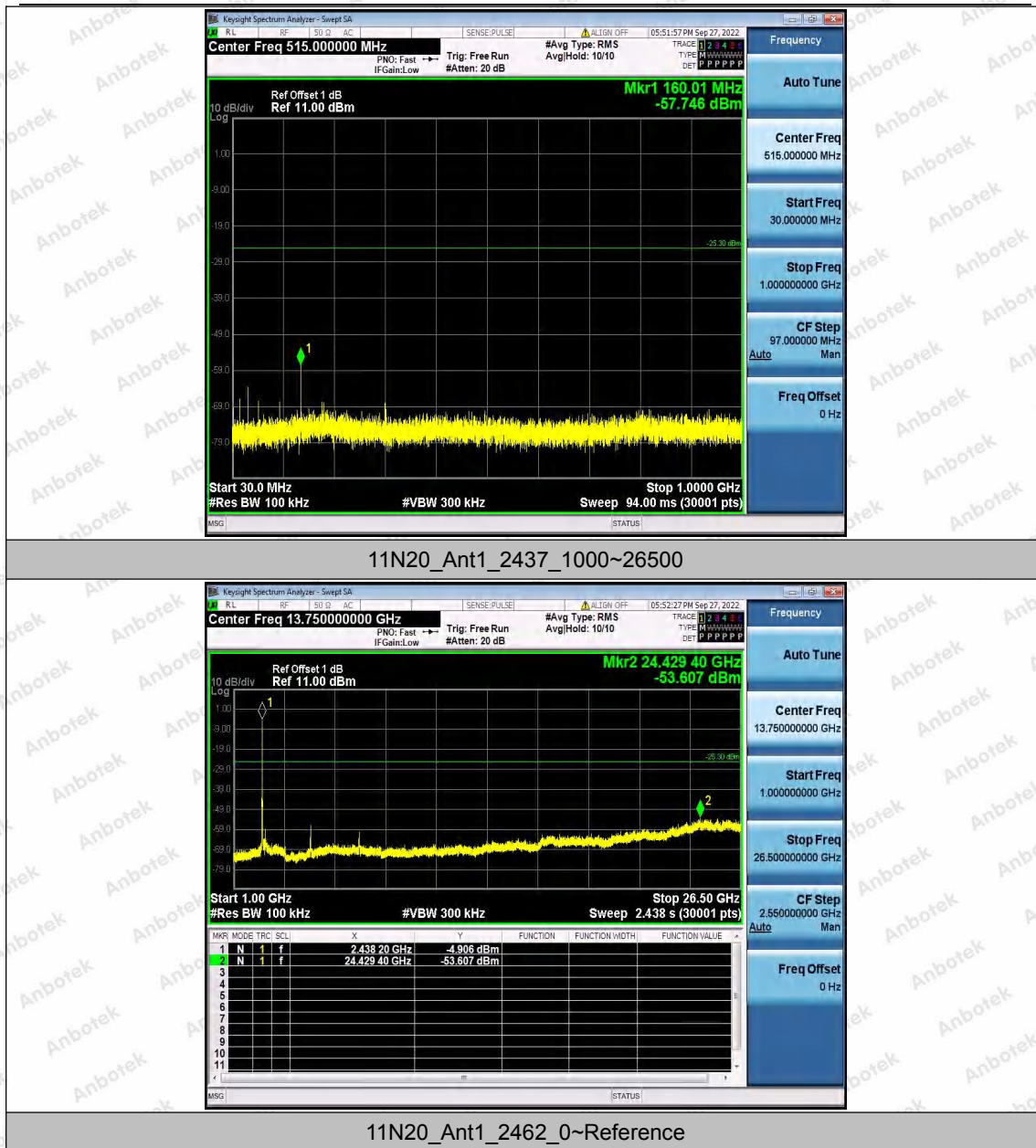
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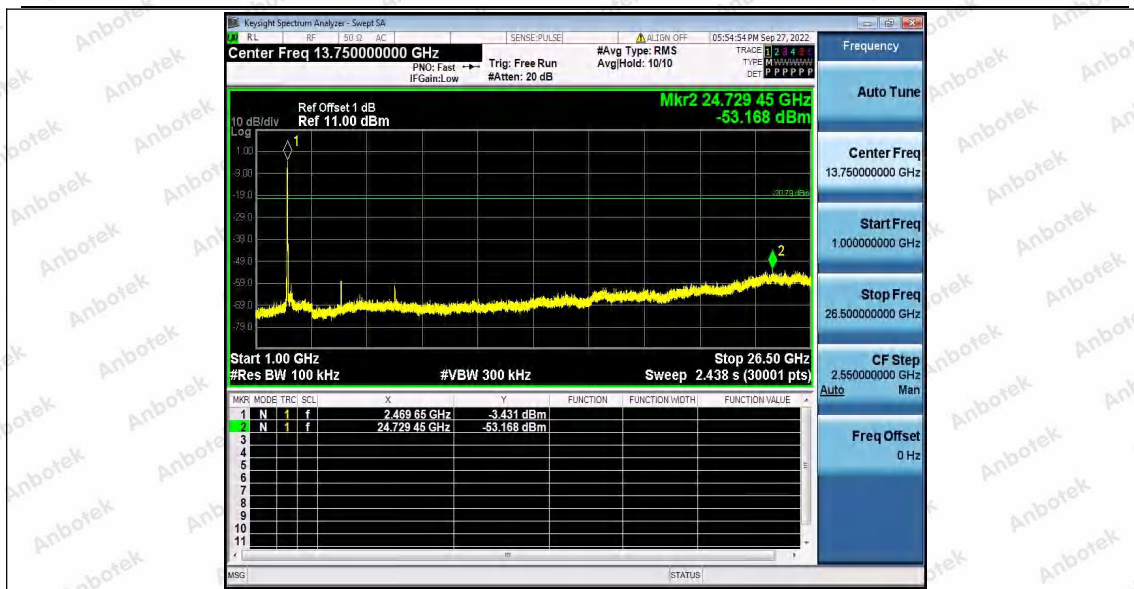
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Appendix G: Duty Cycle

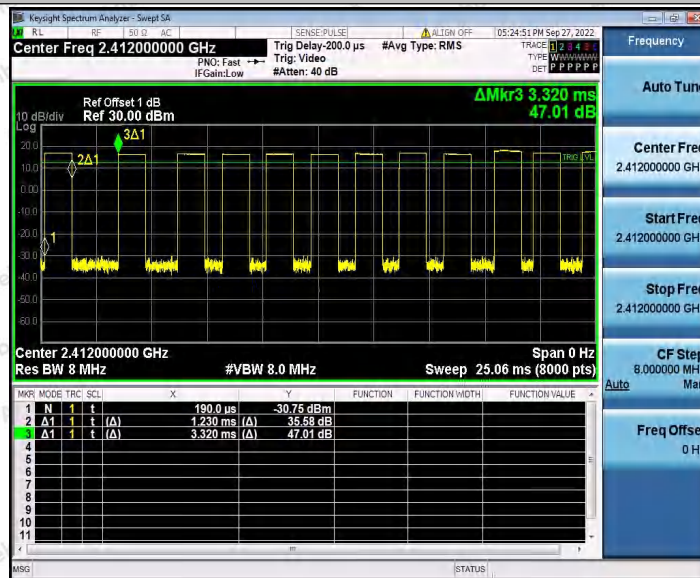
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	1.23	3.32	37.05	4.31
		2437	1.22	3.02	40.40	3.94
		2462	1.22	2.12	57.55	2.40
11G	Ant1	2412	0.55	1.02	53.92	2.68
		2437	0.54	1.06	50.94	2.93
		2462	0.54	1.20	45.00	3.47
11N20	Ant1	2412	0.55	1.02	53.92	2.68
		2437	0.55	1.05	52.38	2.81
		2462	0.55	1.67	32.93	4.82

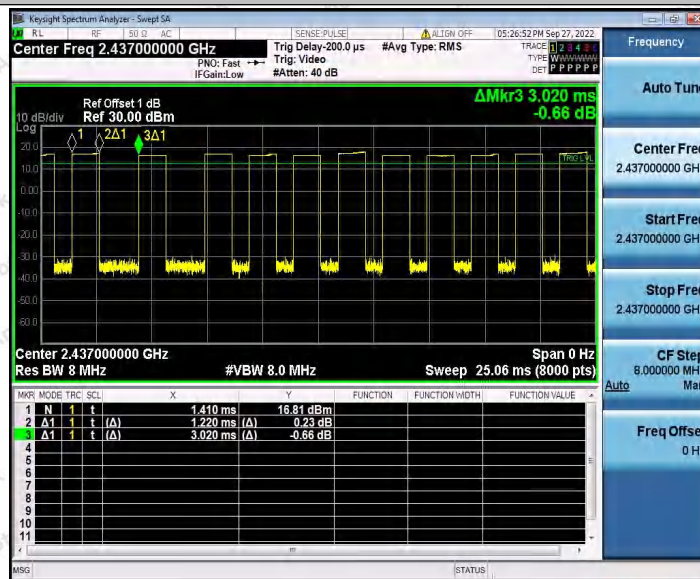


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

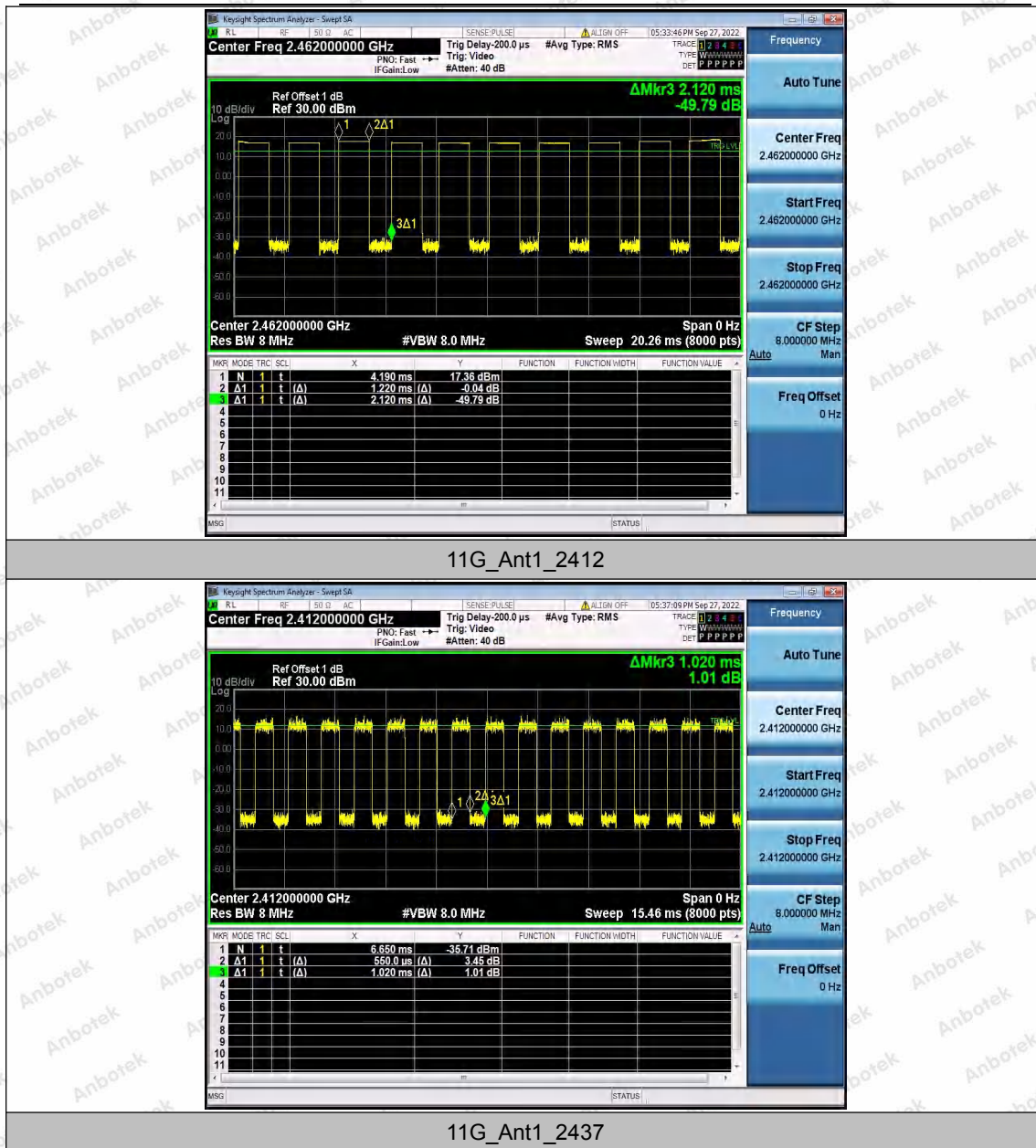
Shenzhen Anbotek Compliance Laboratory Limited

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





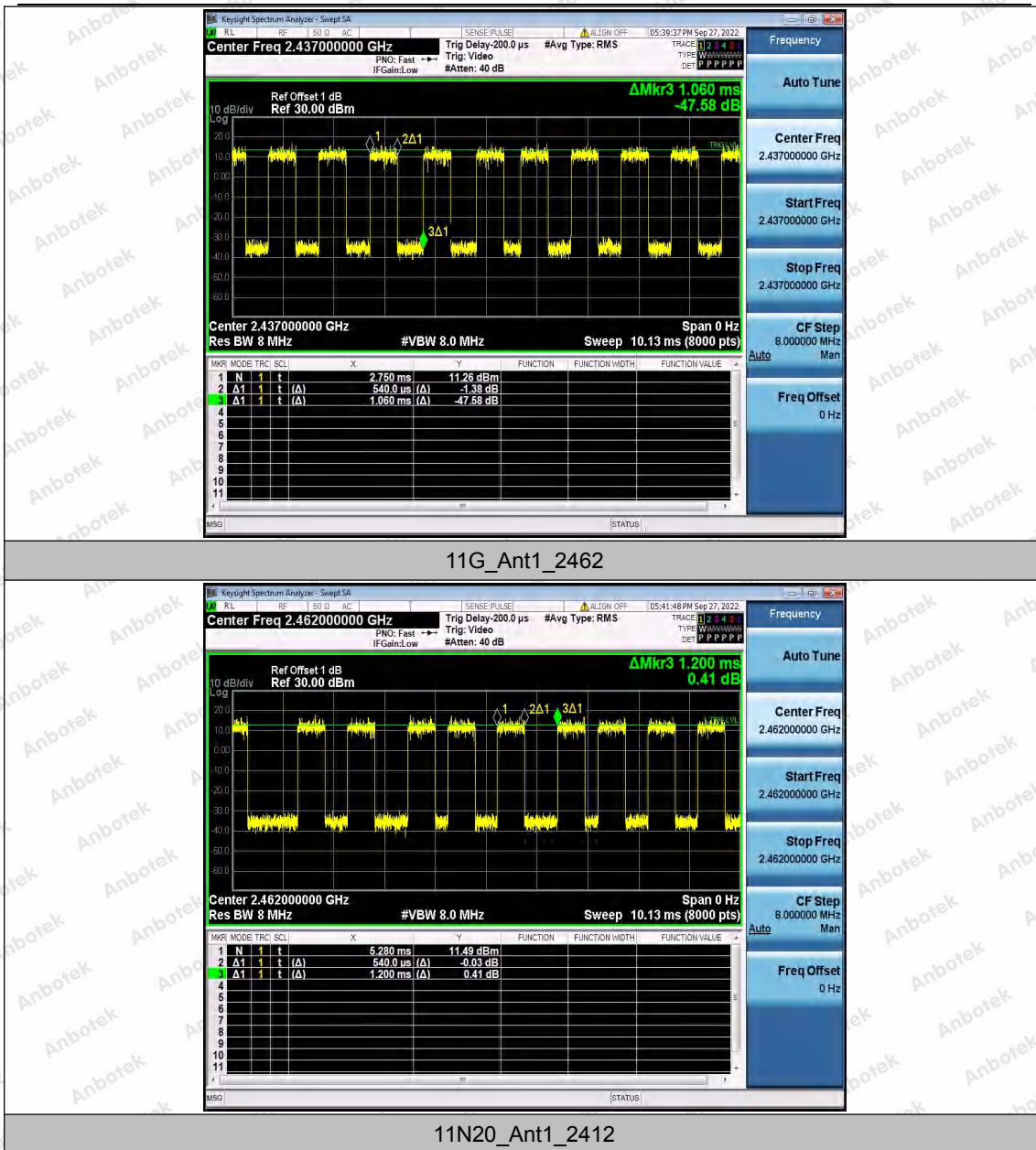
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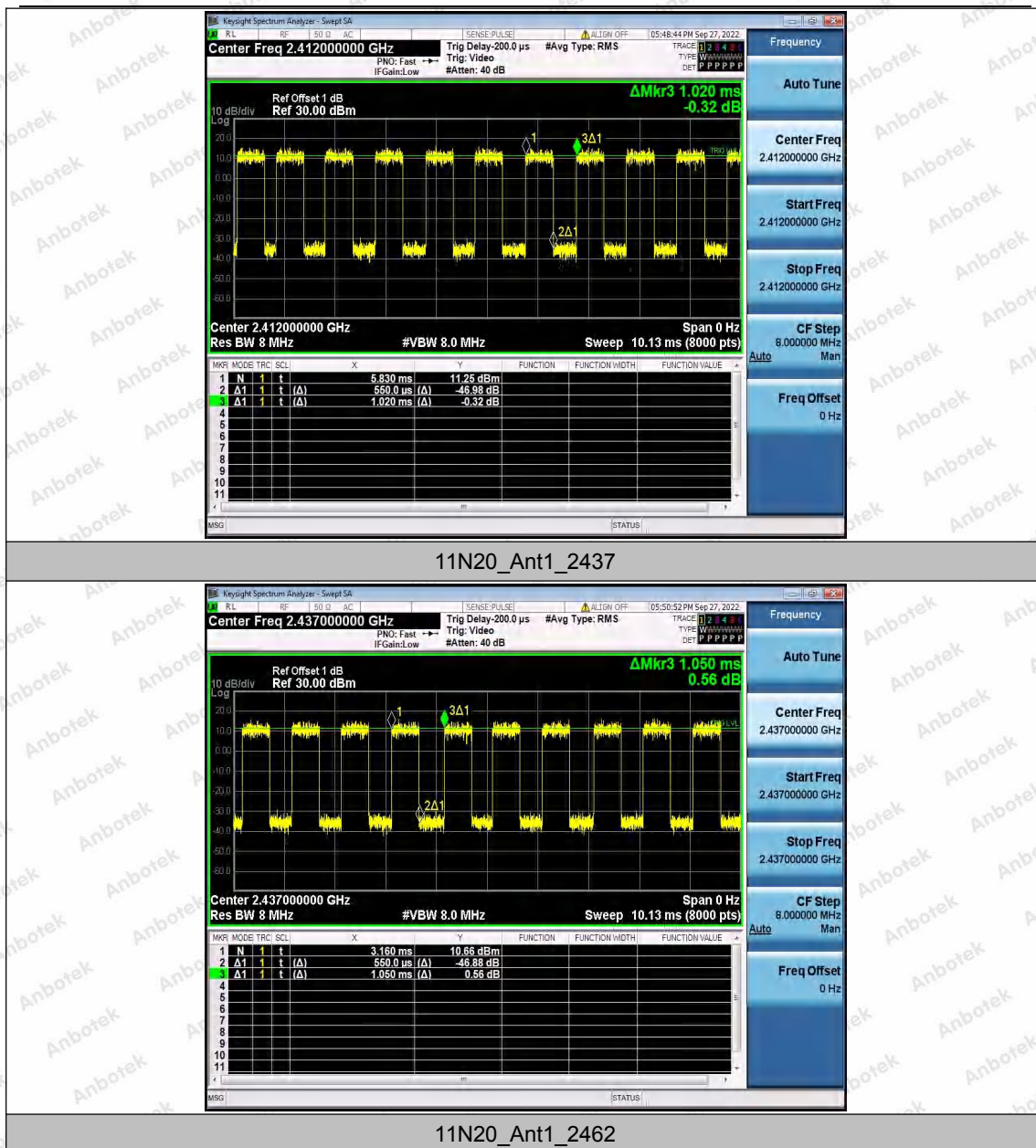
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