

Appendix Test Data

Report No.:	18220WC30237701-M1	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.11.28
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.400	2416.520	0.5	PASS
		2437	10.080	2431.920	2442.000	0.5	PASS
		2462	10.080	2456.920	2467.000	0.5	PASS
11G	Ant1	2412	15.920	2404.200	2420.120	0.5	PASS
		2437	16.000	2429.080	2445.080	0.5	PASS
		2462	13.680	2454.760	2468.440	0.5	PASS
11N20SISO	Ant1	2412	14.960	2404.520	2419.480	0.5	PASS
		2437	15.640	2429.080	2444.720	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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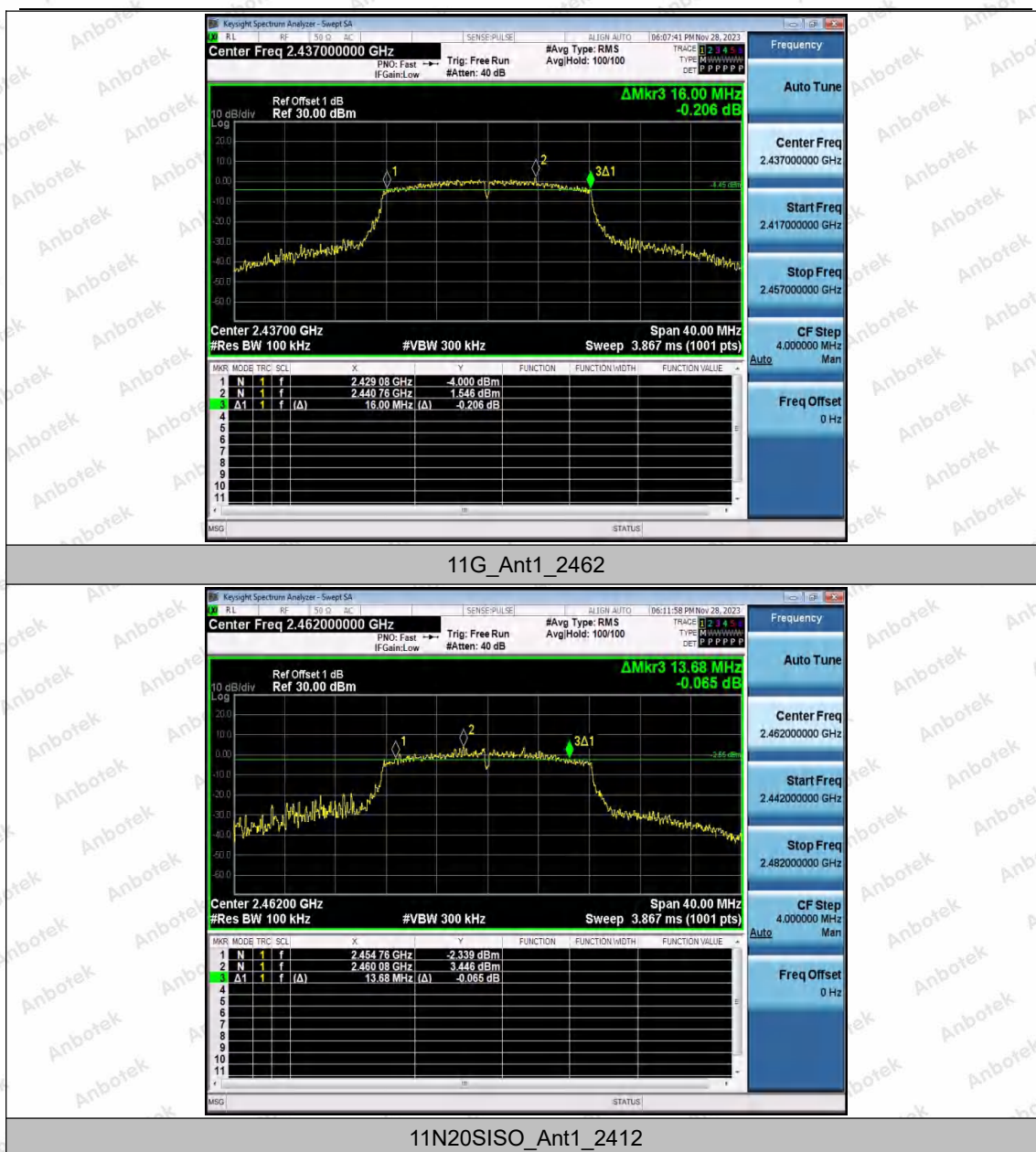
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.115	2405.4807	2418.5957	---	---
		2437	13.266	2430.4010	2443.6670	---	---
		2462	13.295	2455.3622	2468.6572	---	---
11G	Ant1	2412	16.439	2403.7936	2420.2326	---	---
		2437	16.443	2428.7787	2445.2217	---	---
		2462	16.449	2453.7592	2470.2082	---	---
11N20SISO	Ant1	2412	17.285	2403.3657	2420.6507	---	---
		2437	17.322	2428.3284	2445.6504	---	---
		2462	17.343	2453.3387	2470.6817	---	---



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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Appendix C: Maximum conducted output power

Test Result

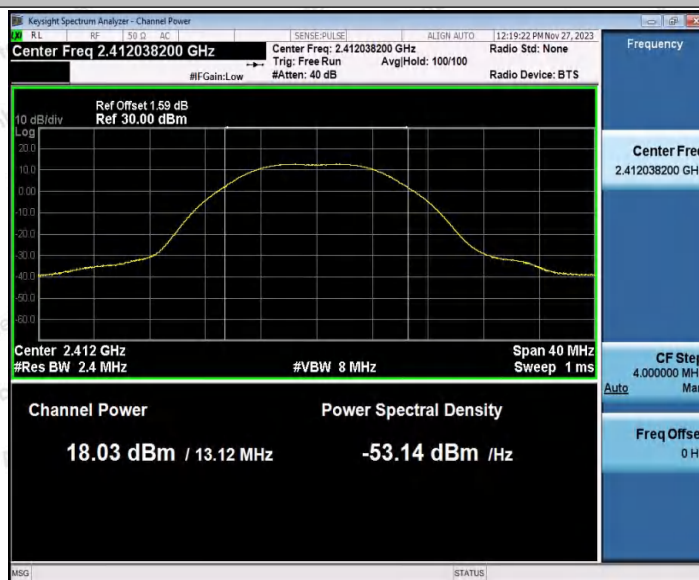
TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	18.03	≤30.00
		2437	17.97	≤30.00
		2462	17.71	≤30.00
11G	Ant1	2412	14.30	≤30.00
		2437	14.22	≤30.00
		2462	14.58	≤30.00
11N20SISO	Ant1	2412	14.12	≤30.00
		2437	14.07	≤30.00
		2462	14.42	≤30.00

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

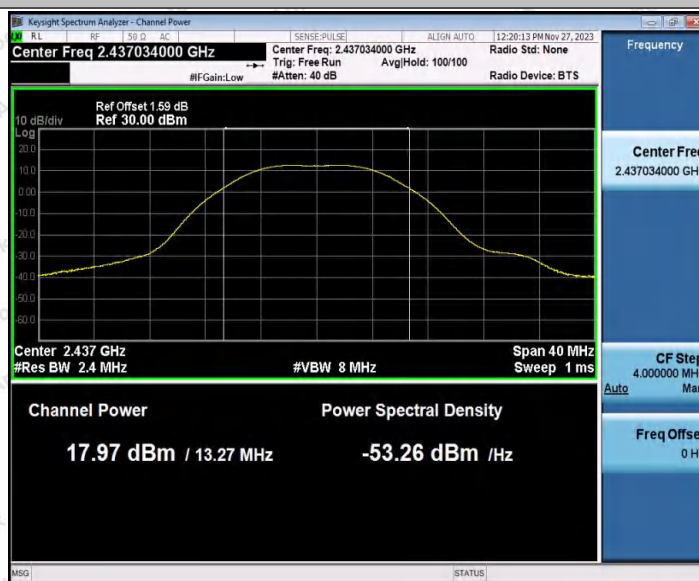


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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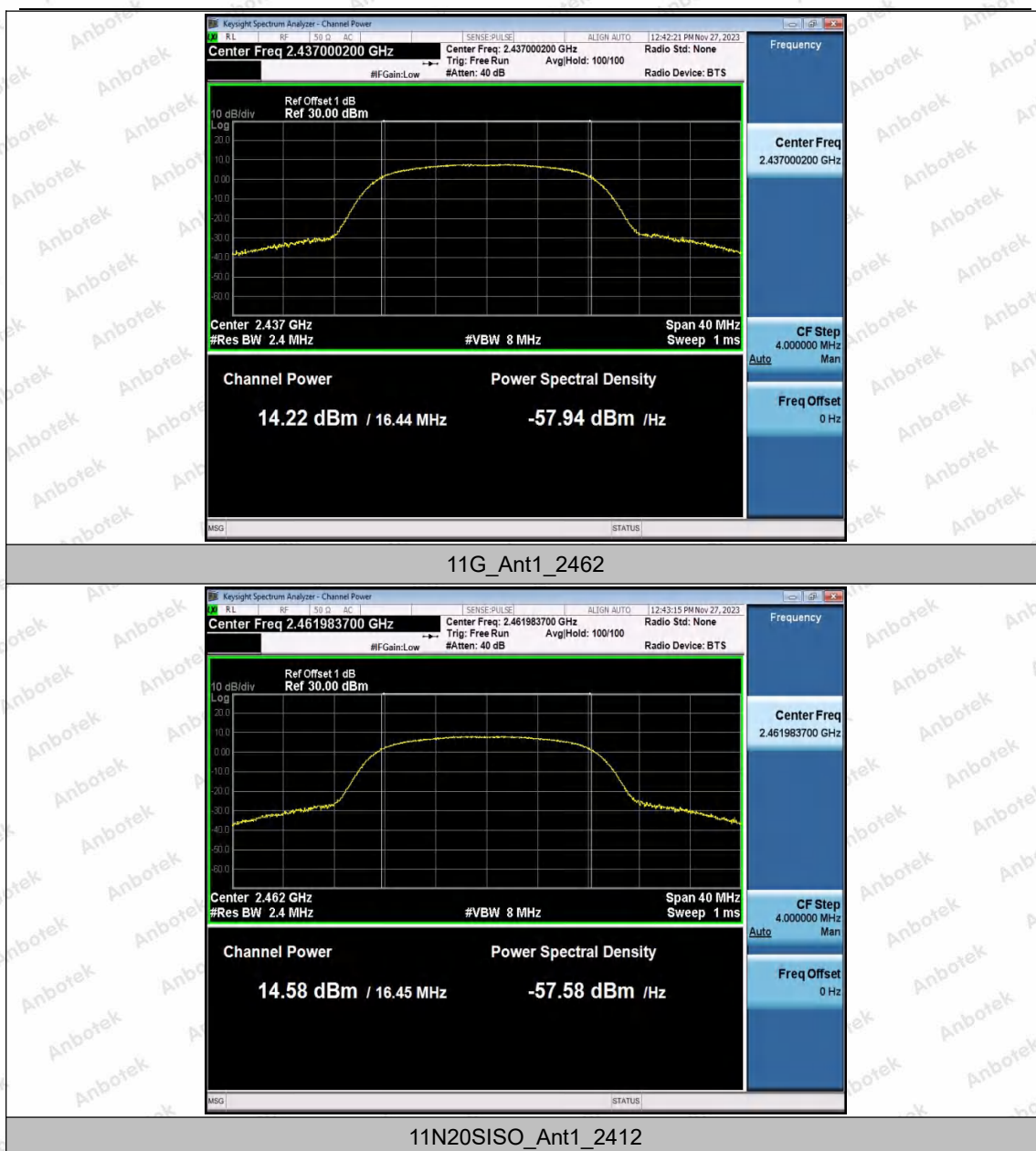
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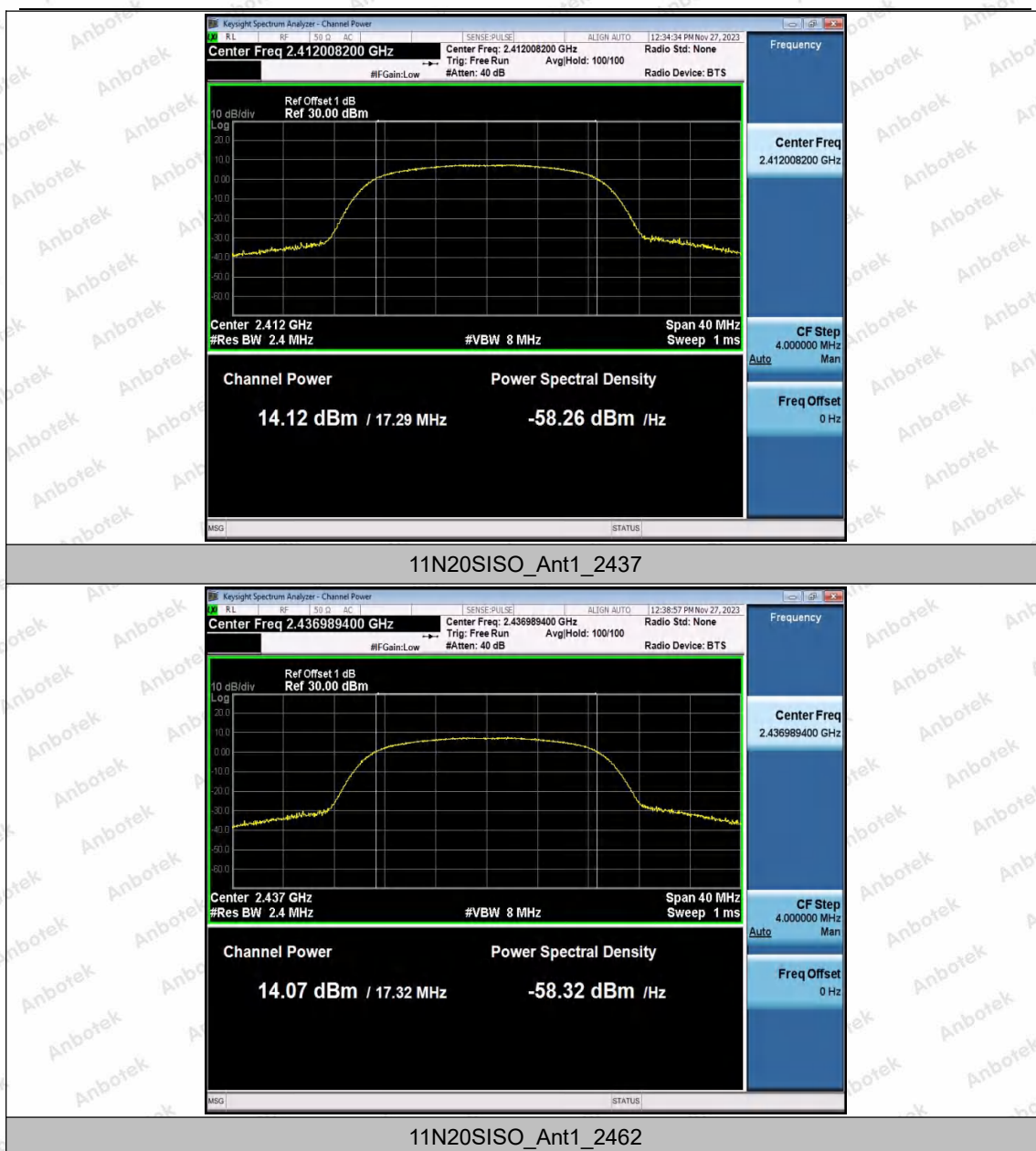
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.25	≤8.00	PASS
		2437	-11.75	≤8.00	PASS
		2462	-12.24	≤8.00	PASS
11G	Ant1	2412	-17.65	≤8.00	PASS
		2437	-16.98	≤8.00	PASS
		2462	-16.38	≤8.00	PASS
11N20SISO	Ant1	2412	-17.6	≤8.00	PASS
		2437	-17.31	≤8.00	PASS
		2462	-17.41	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

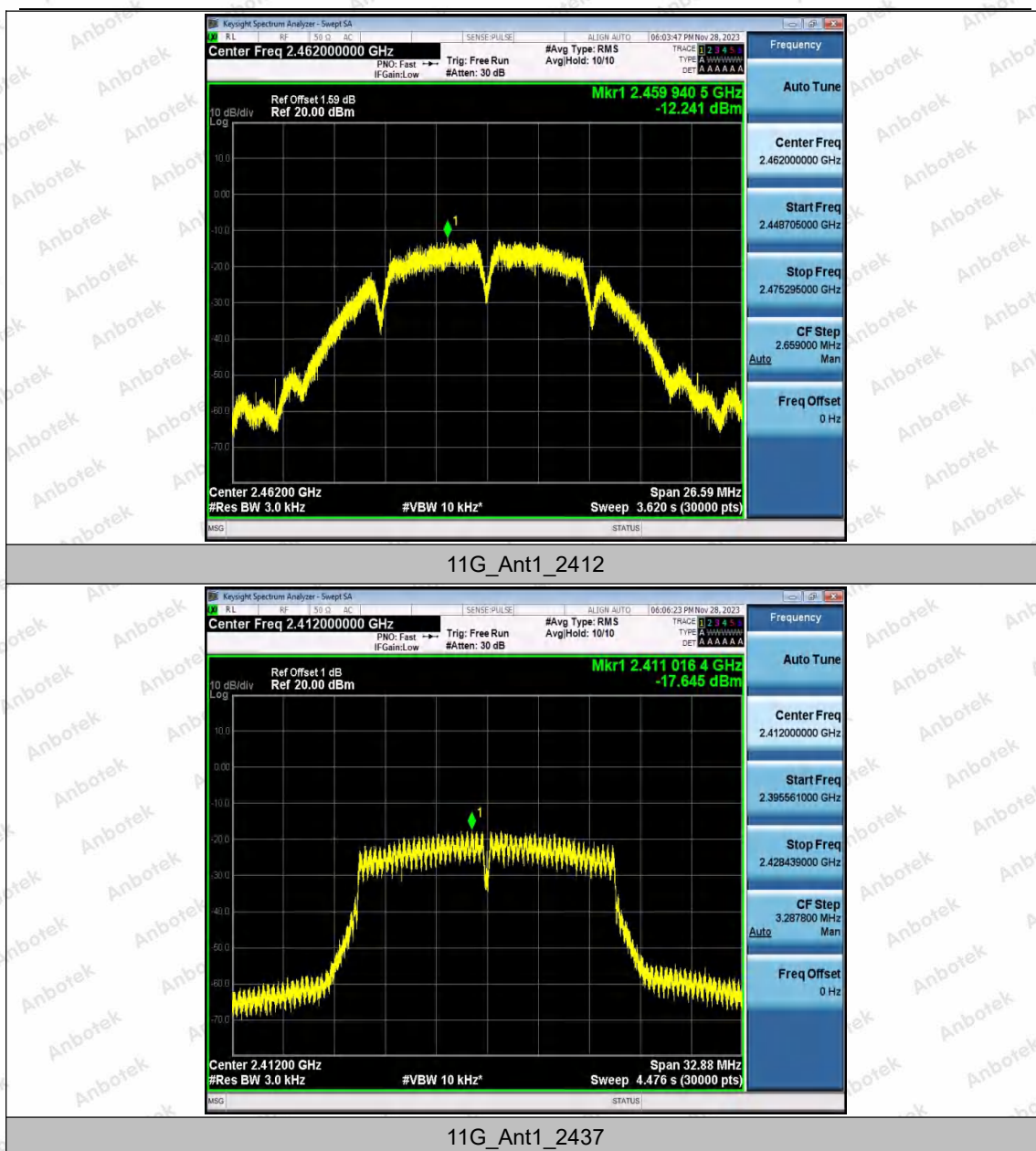
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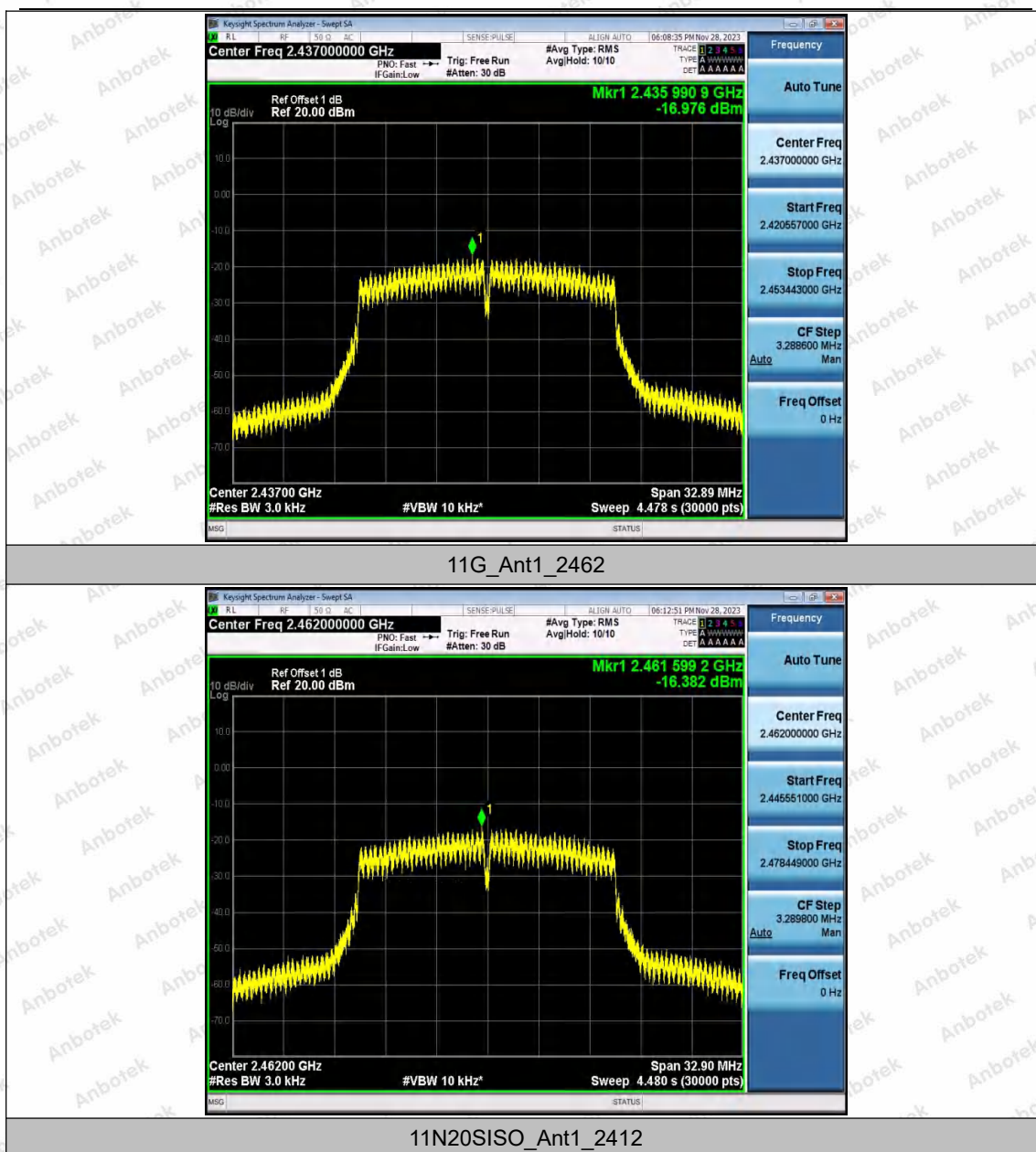
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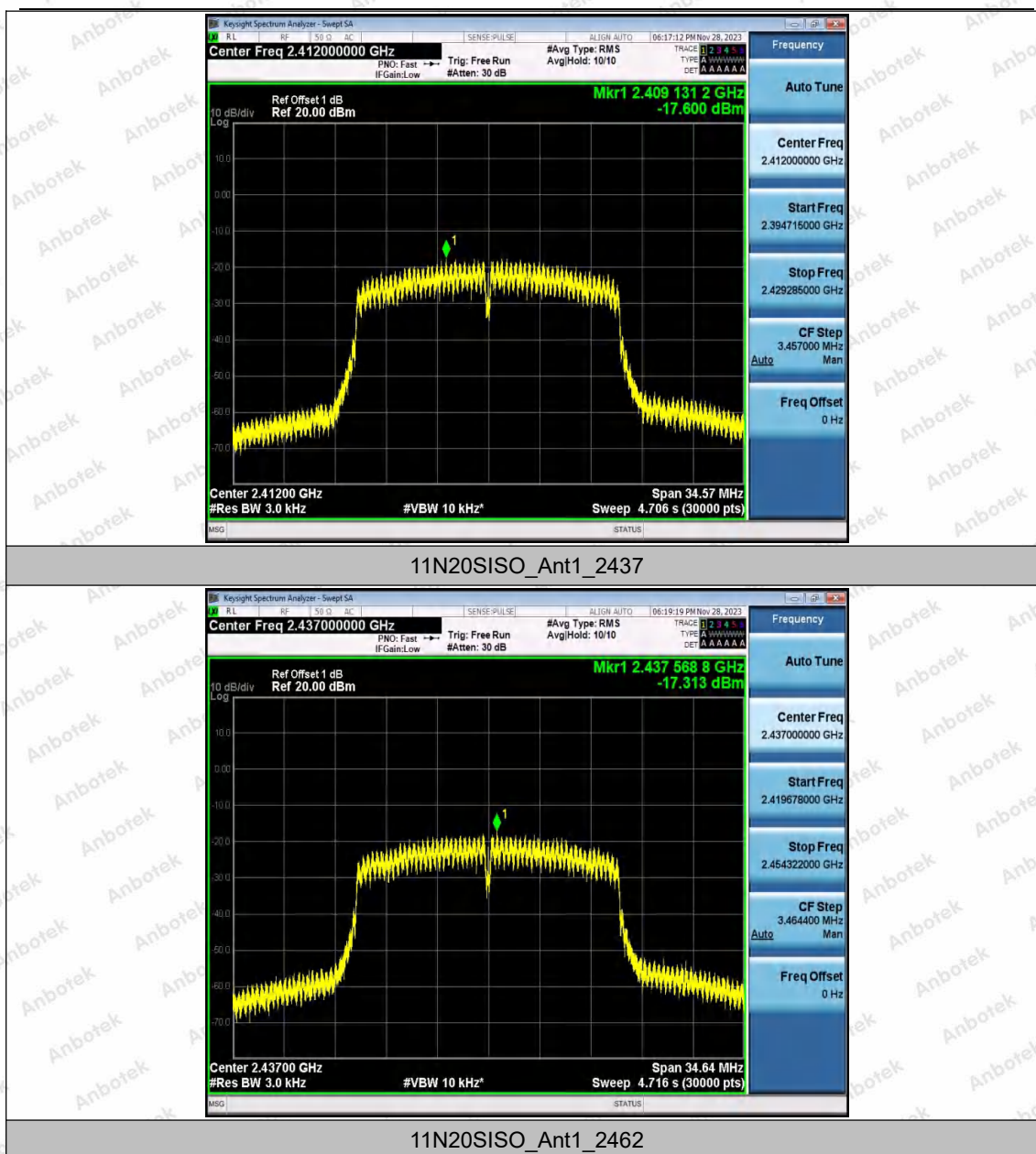
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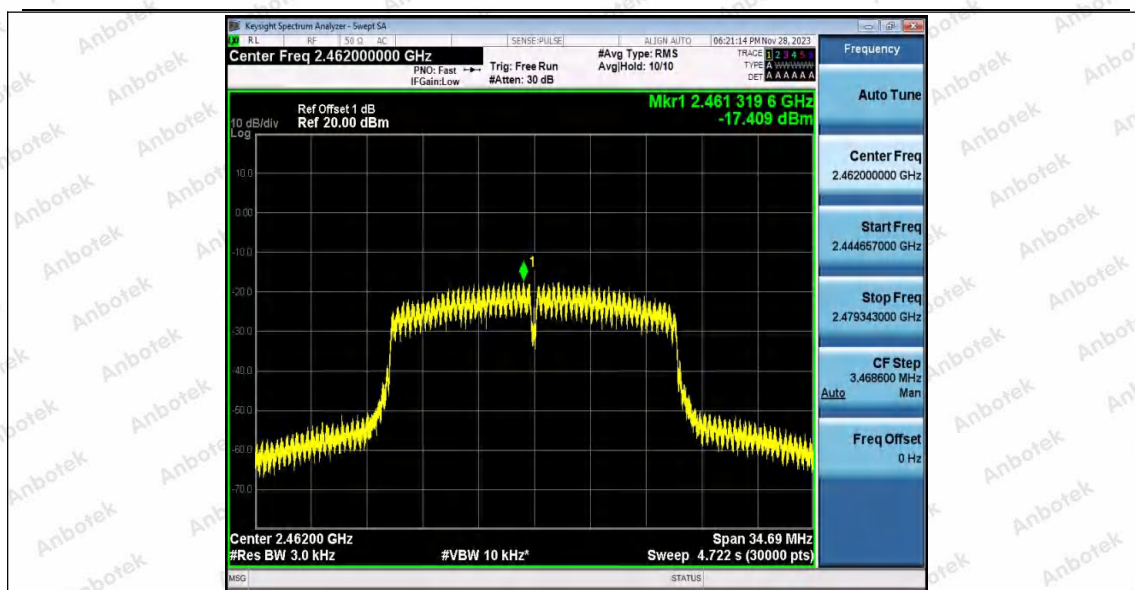
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.84	-35.78	≤-21.16	PASS
		High	2462	8.52	-44.36	≤-21.48	PASS
11G	Ant1	Low	2412	0.69	-31.88	≤-29.31	PASS
		High	2462	1.24	-45.62	≤-28.76	PASS
11N20SISO	Ant1	Low	2412	1.19	-32.09	≤-28.81	PASS
		High	2462	2.09	-43.37	≤-27.91	PASS

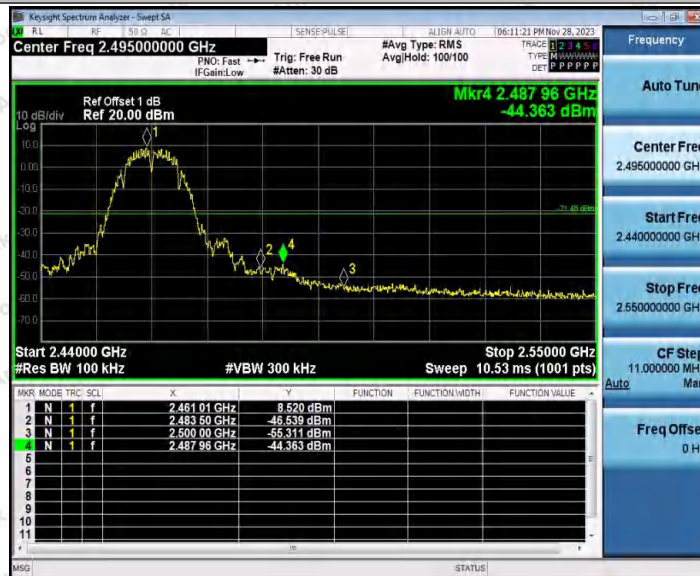


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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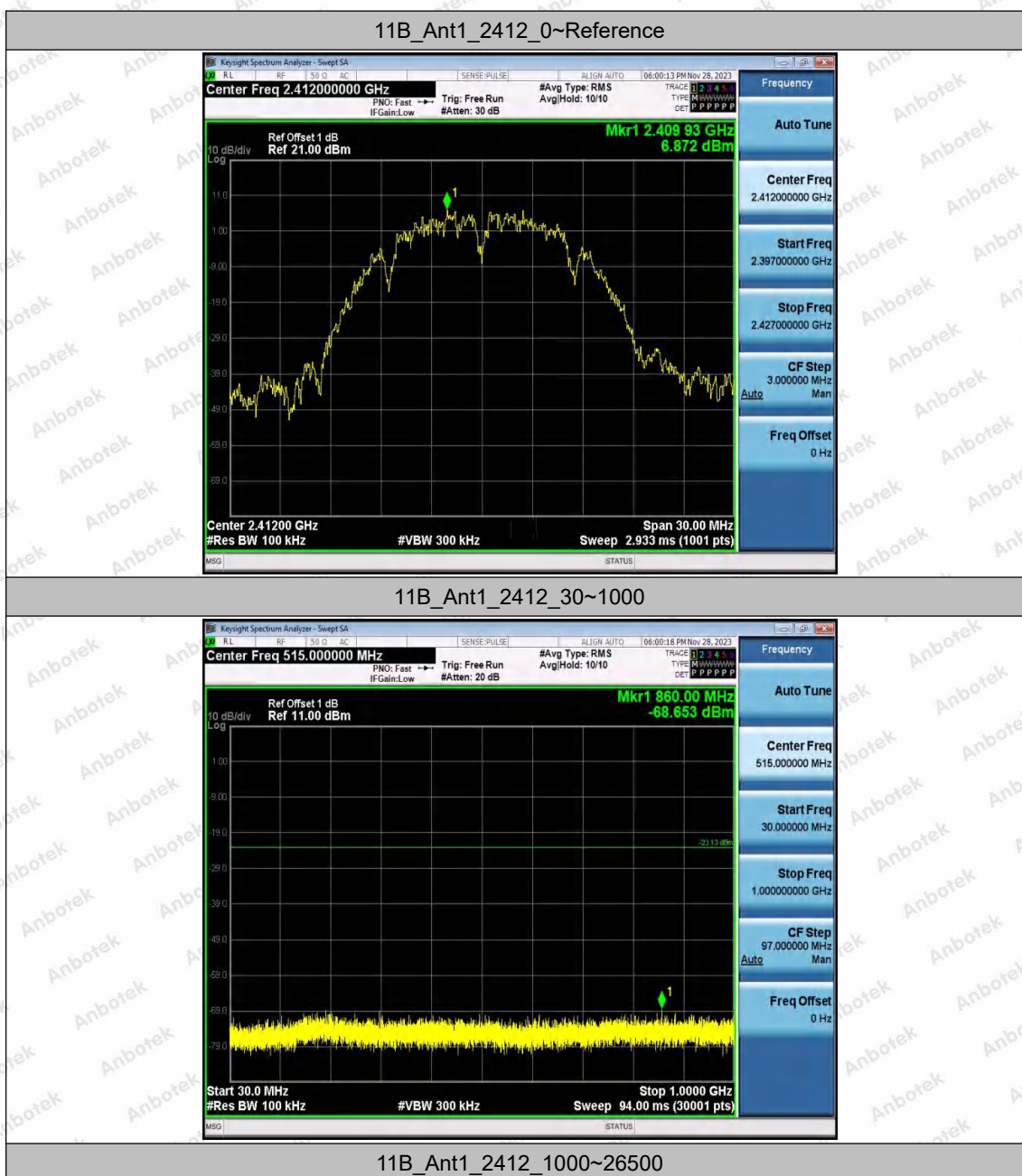
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.87	6.87	---	PASS
			30~1000	6.87	-68.65	≤-23.13	PASS
			1000~26500	6.87	-53.78	≤-23.13	PASS
		2437	Reference	7.29	7.29	---	PASS
			30~1000	7.29	-67.72	≤-22.71	PASS
			1000~26500	7.29	-53.3	≤-22.71	PASS
		2462	Reference	6.38	6.38	---	PASS
			30~1000	6.38	-69.33	≤-23.62	PASS
			1000~26500	6.38	-53.86	≤-23.62	PASS
11G	Ant1	2412	Reference	0.64	0.64	---	PASS
			30~1000	0.64	-69.39	≤-29.36	PASS
			1000~26500	0.64	-53.6	≤-29.36	PASS
		2437	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-68.36	≤-29.57	PASS
			1000~26500	0.43	-53.77	≤-29.57	PASS
		2462	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-68.51	≤-28.81	PASS
			1000~26500	1.19	-53.82	≤-28.81	PASS
11N20SISO	Ant1	2412	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-68.4	≤-29.94	PASS
			1000~26500	0.06	-53.52	≤-29.94	PASS
		2437	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-69.12	≤-29.85	PASS
			1000~26500	0.15	-53.86	≤-29.85	PASS
		2462	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-68.61	≤-29.85	PASS
			1000~26500	0.15	-54.34	≤-29.85	PASS



Test Graphs



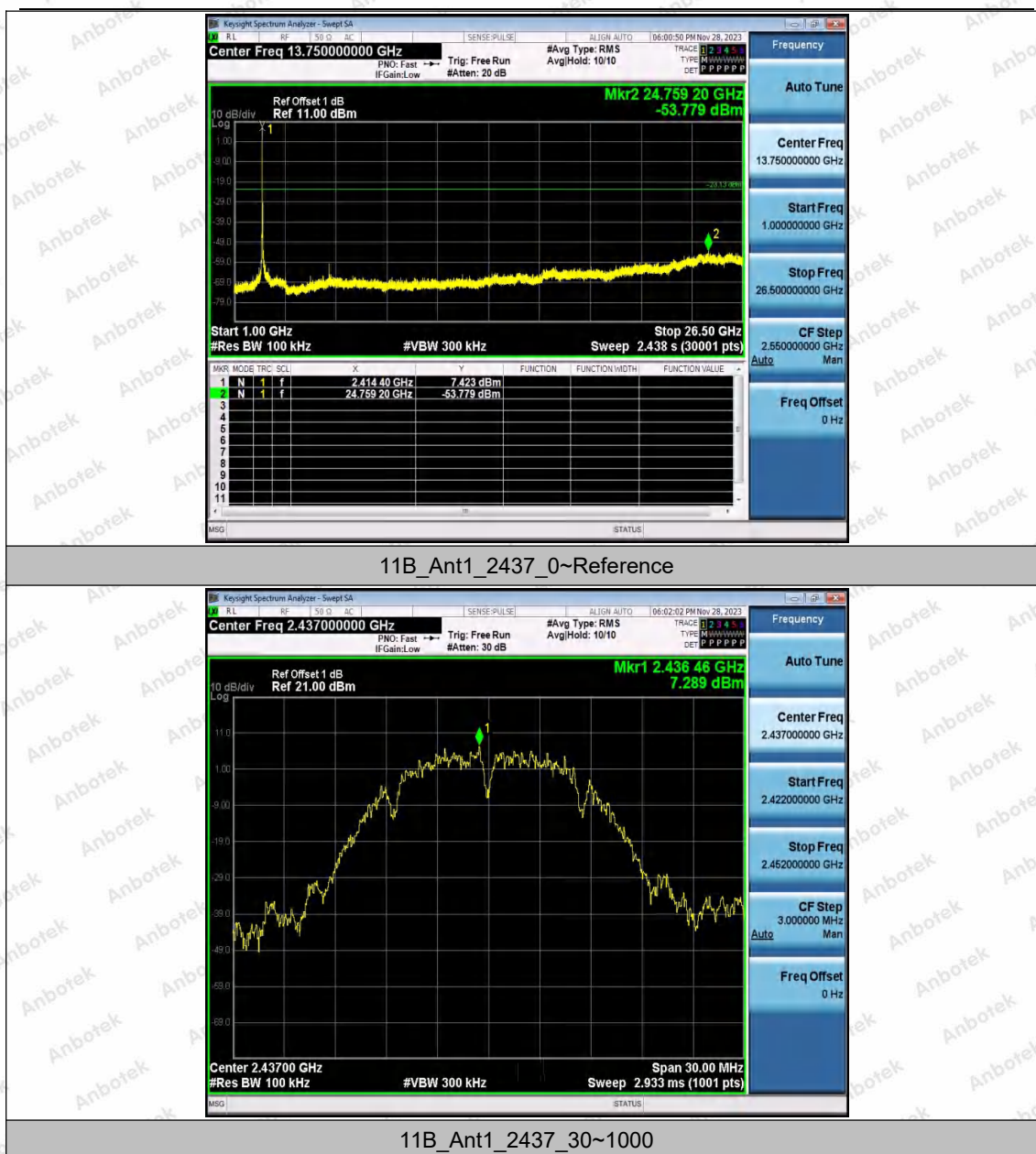
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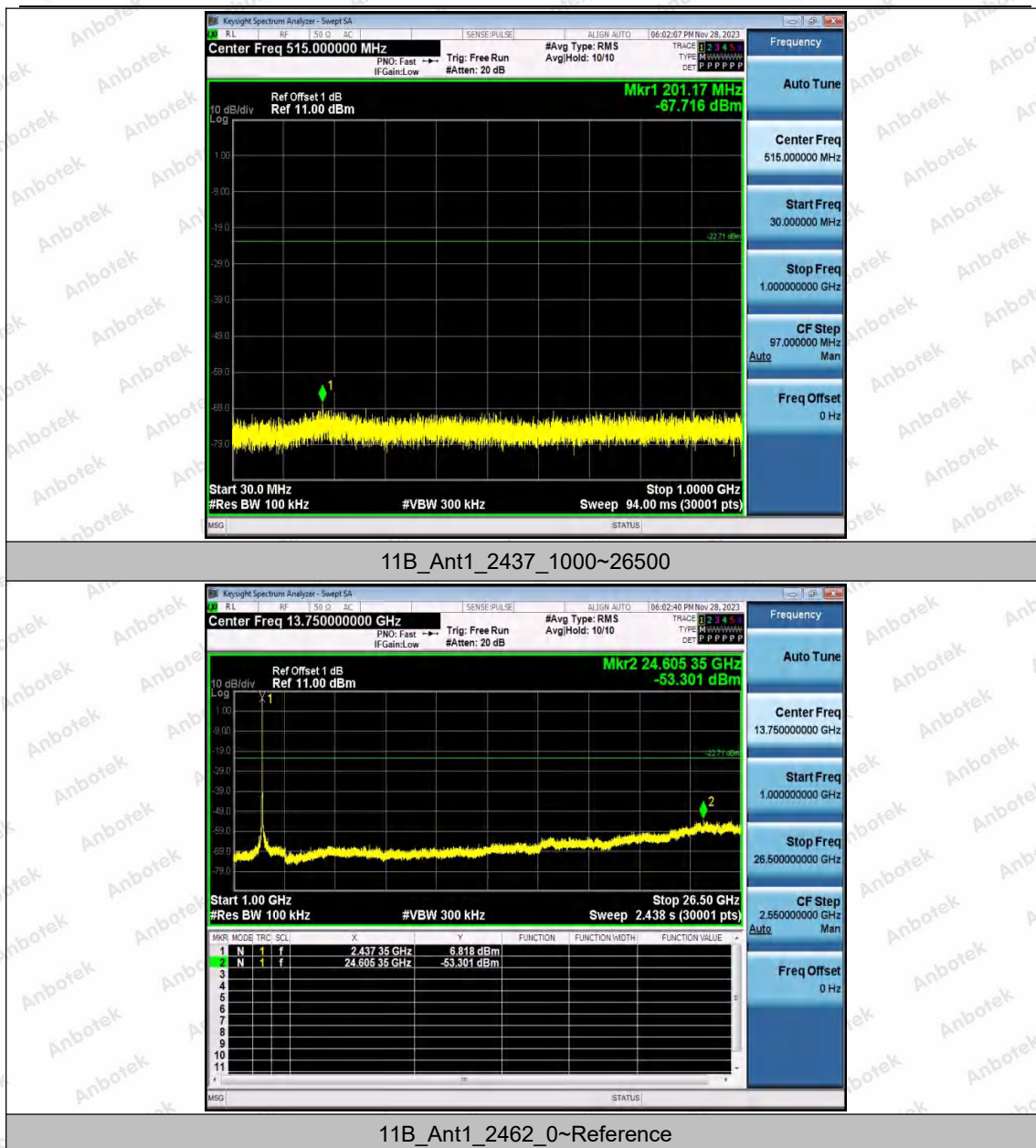
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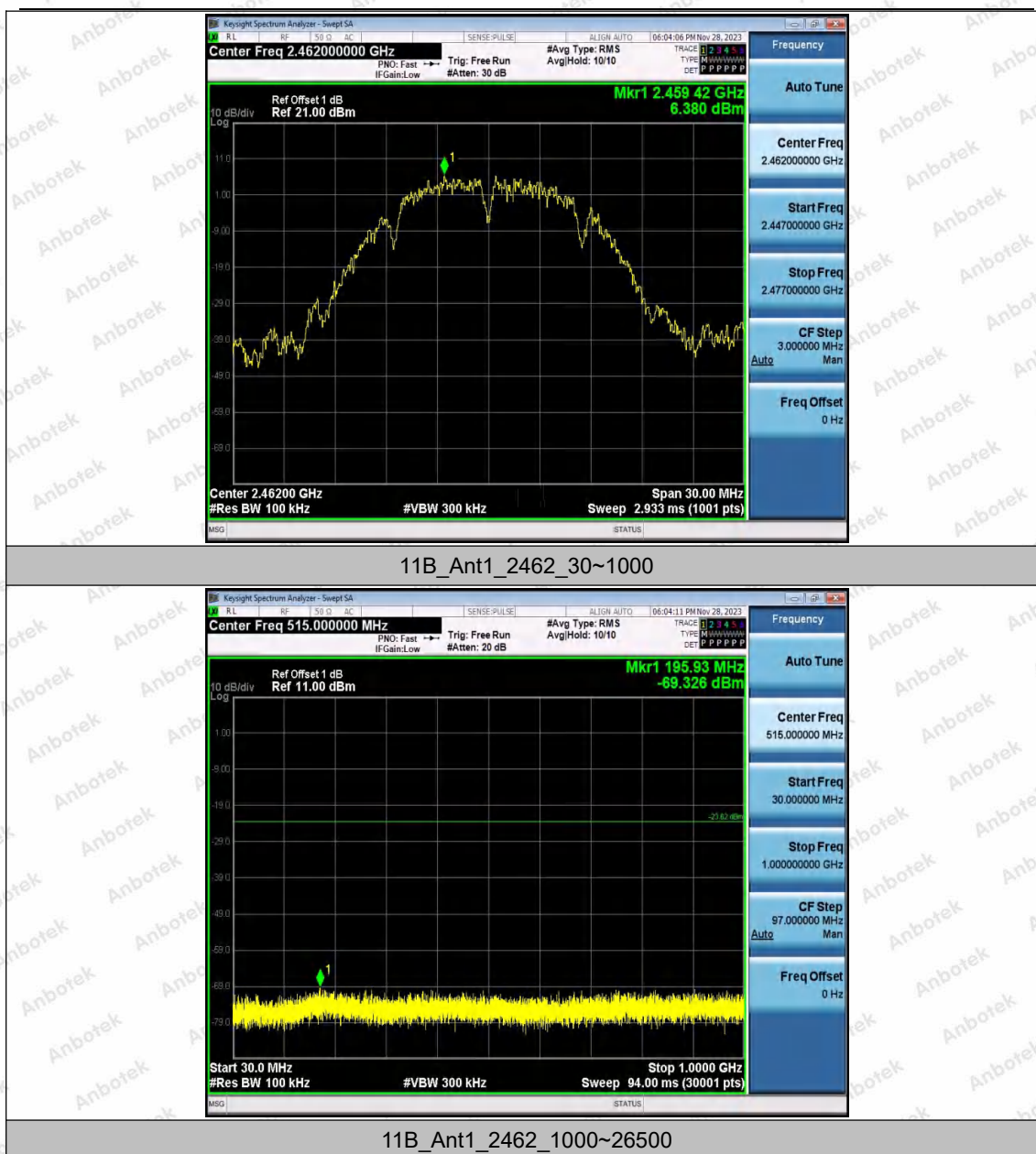
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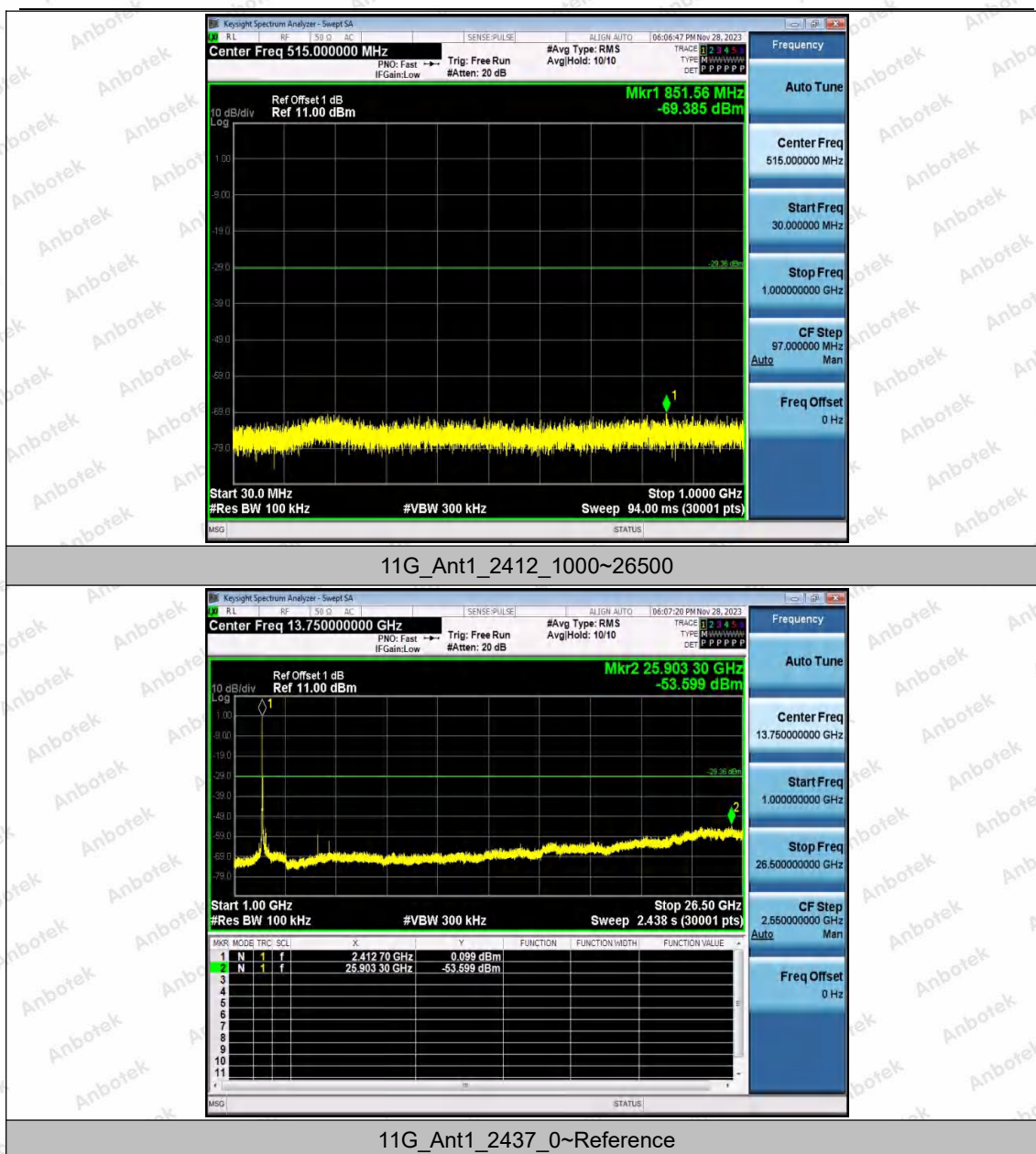
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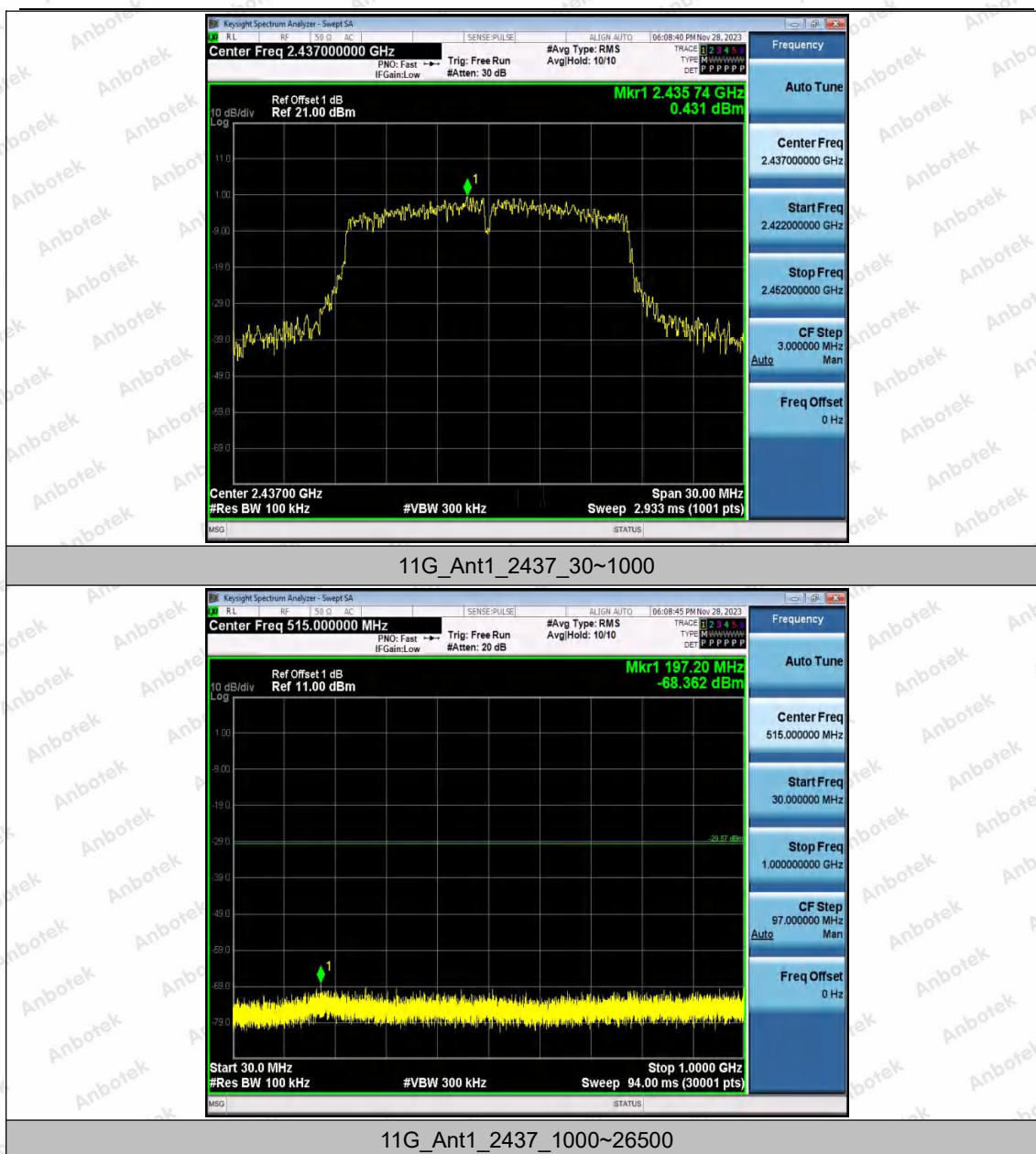
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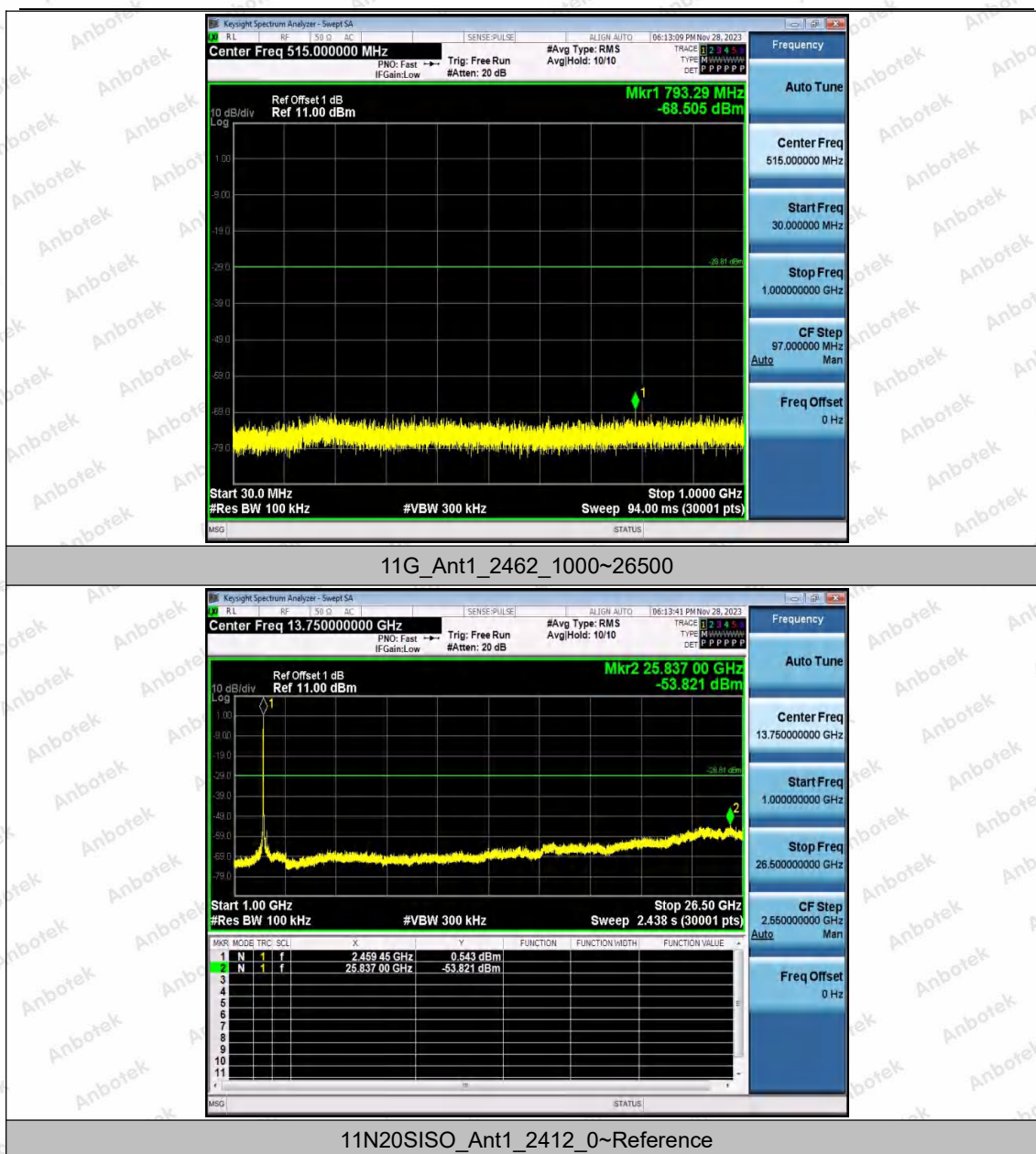
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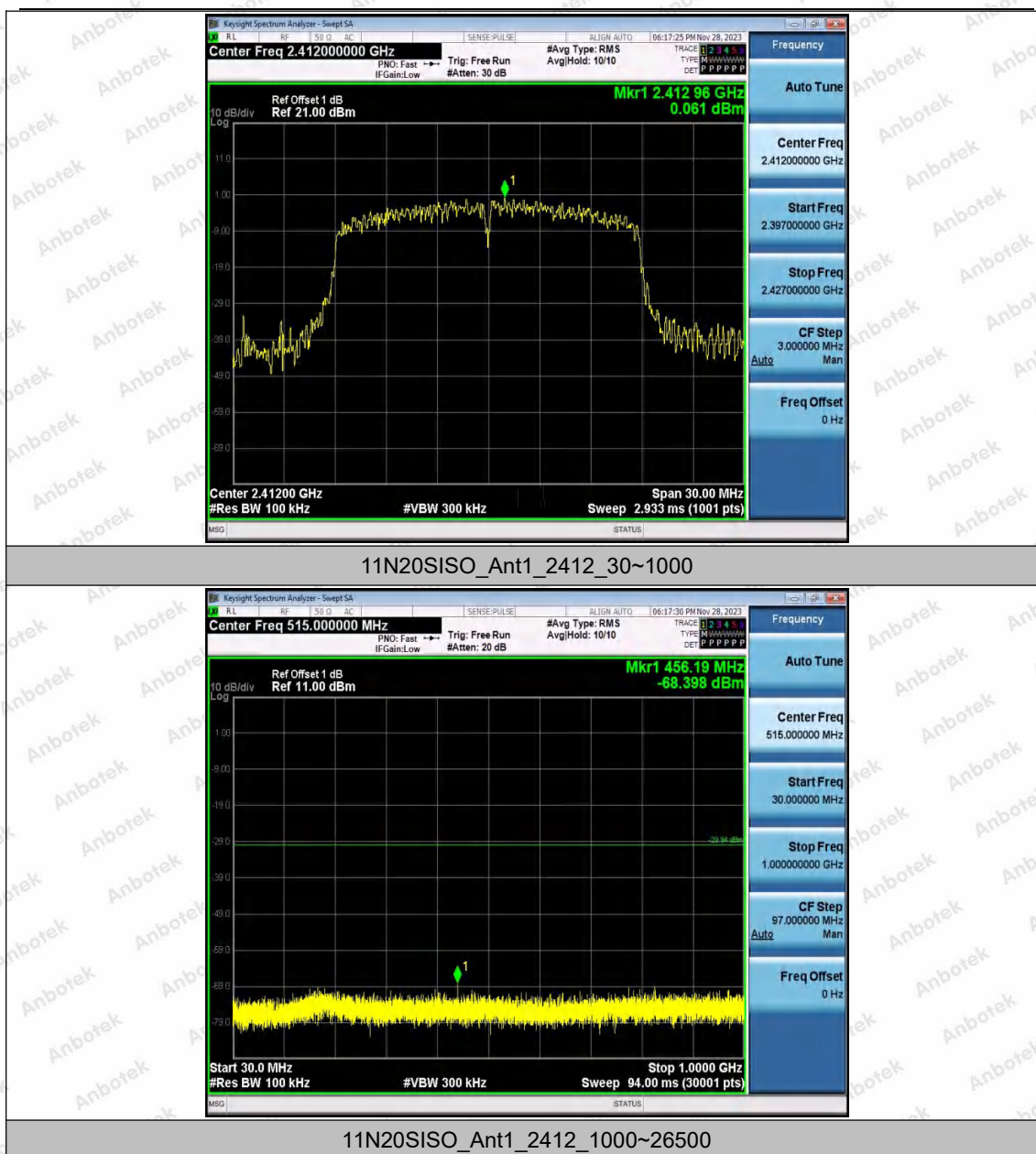
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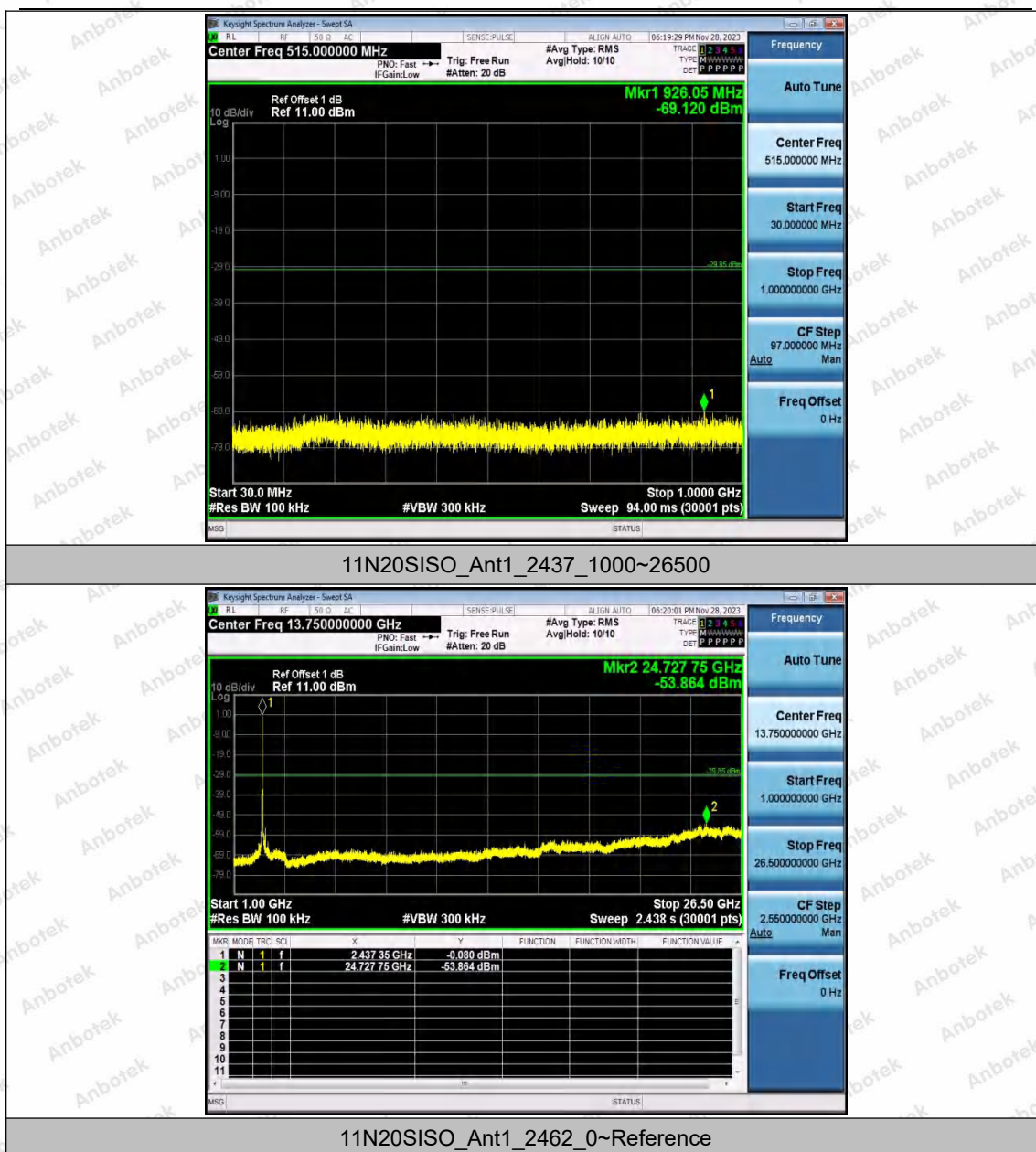
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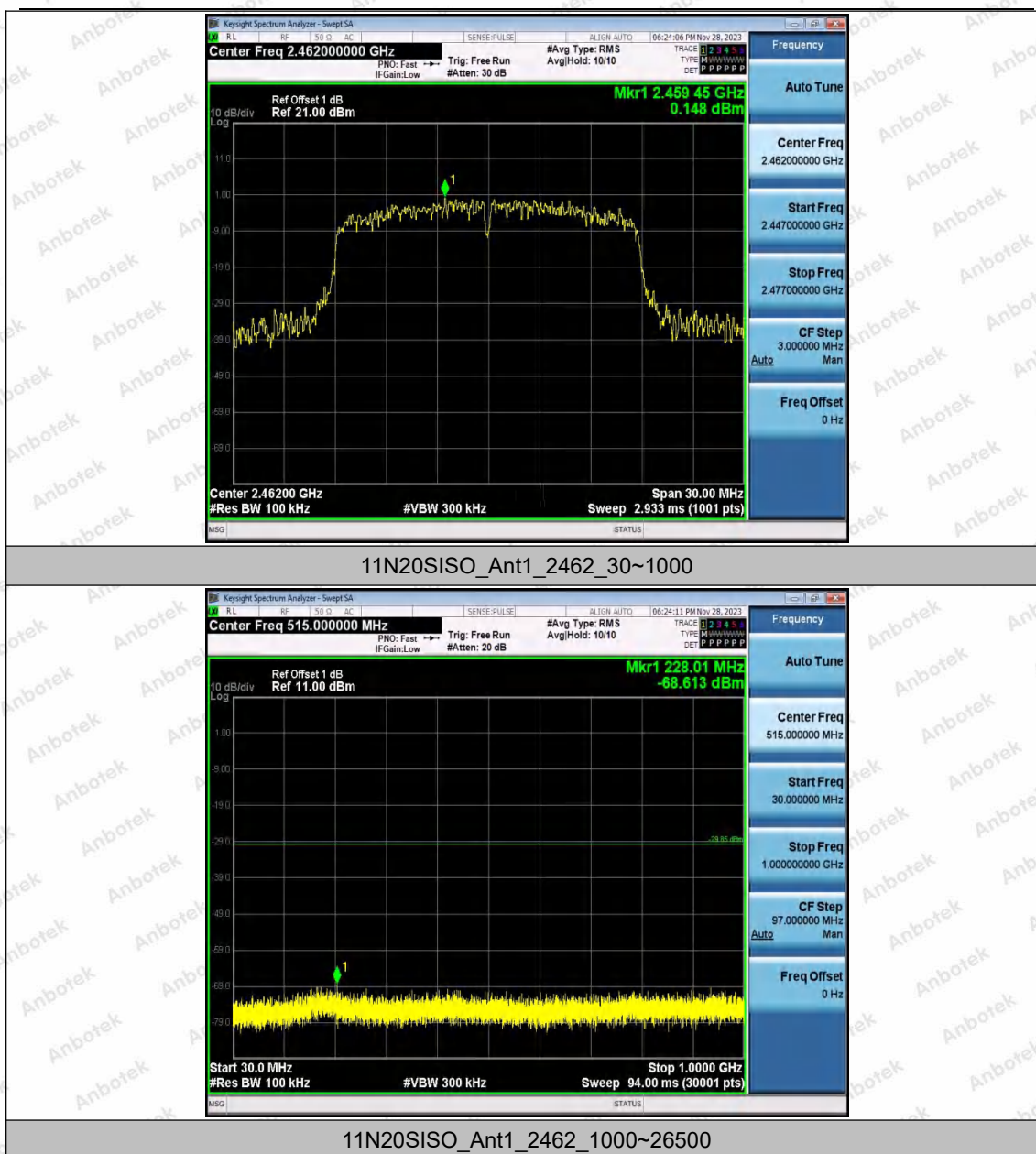
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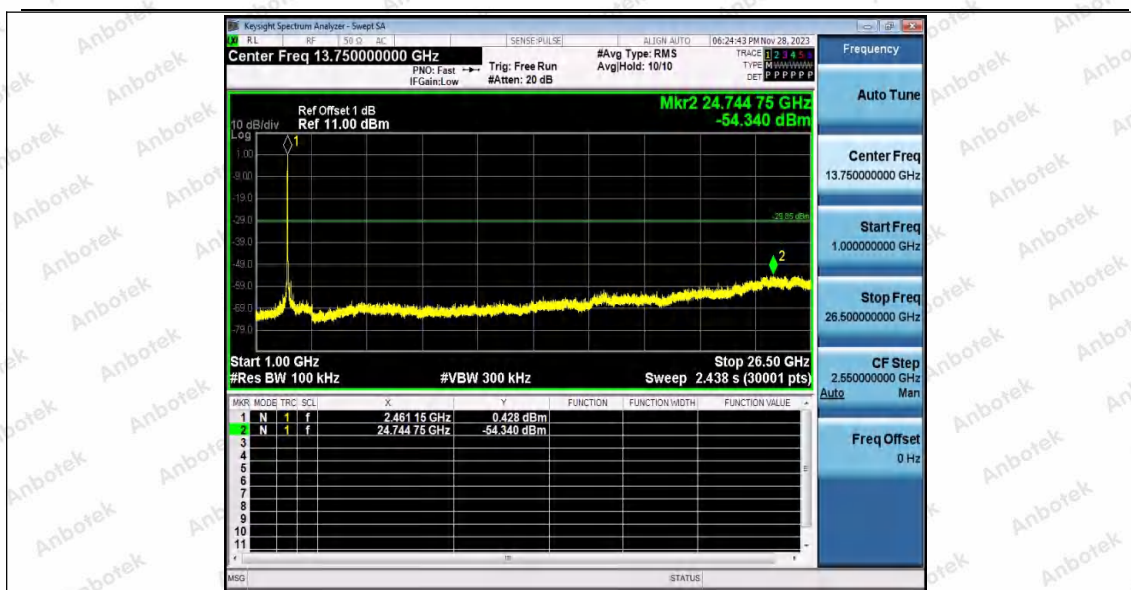
**Shenzhen Anbotek Compliance Laboratory Limited**

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Appendix G: Duty Cycle

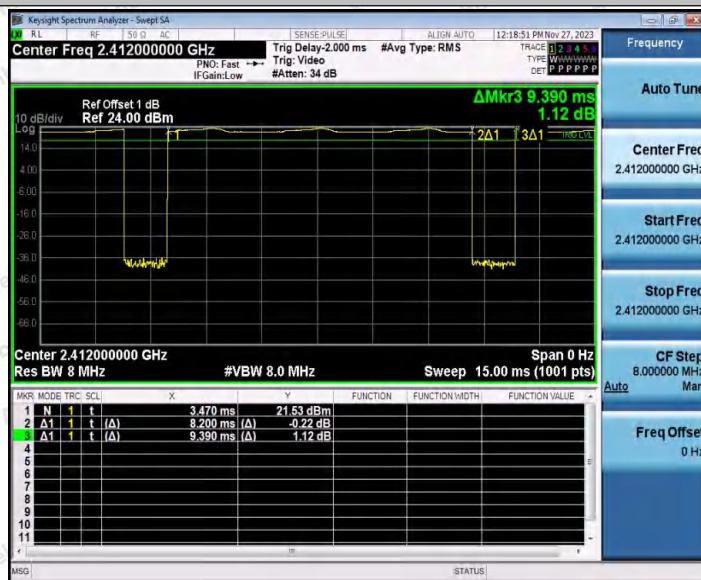
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.20	9.39	87.33	0.59
		2437	8.20	9.39	87.33	0.59
		2462	8.21	9.40	87.34	0.59
11G	Ant1	2412	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
		2437	19.00	19.00	100.00	0.00
		2462	19.00	19.00	100.00	0.00

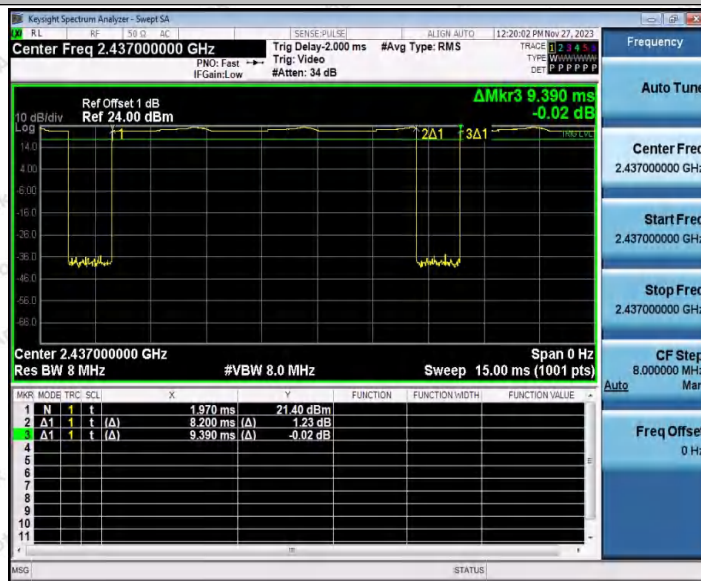


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

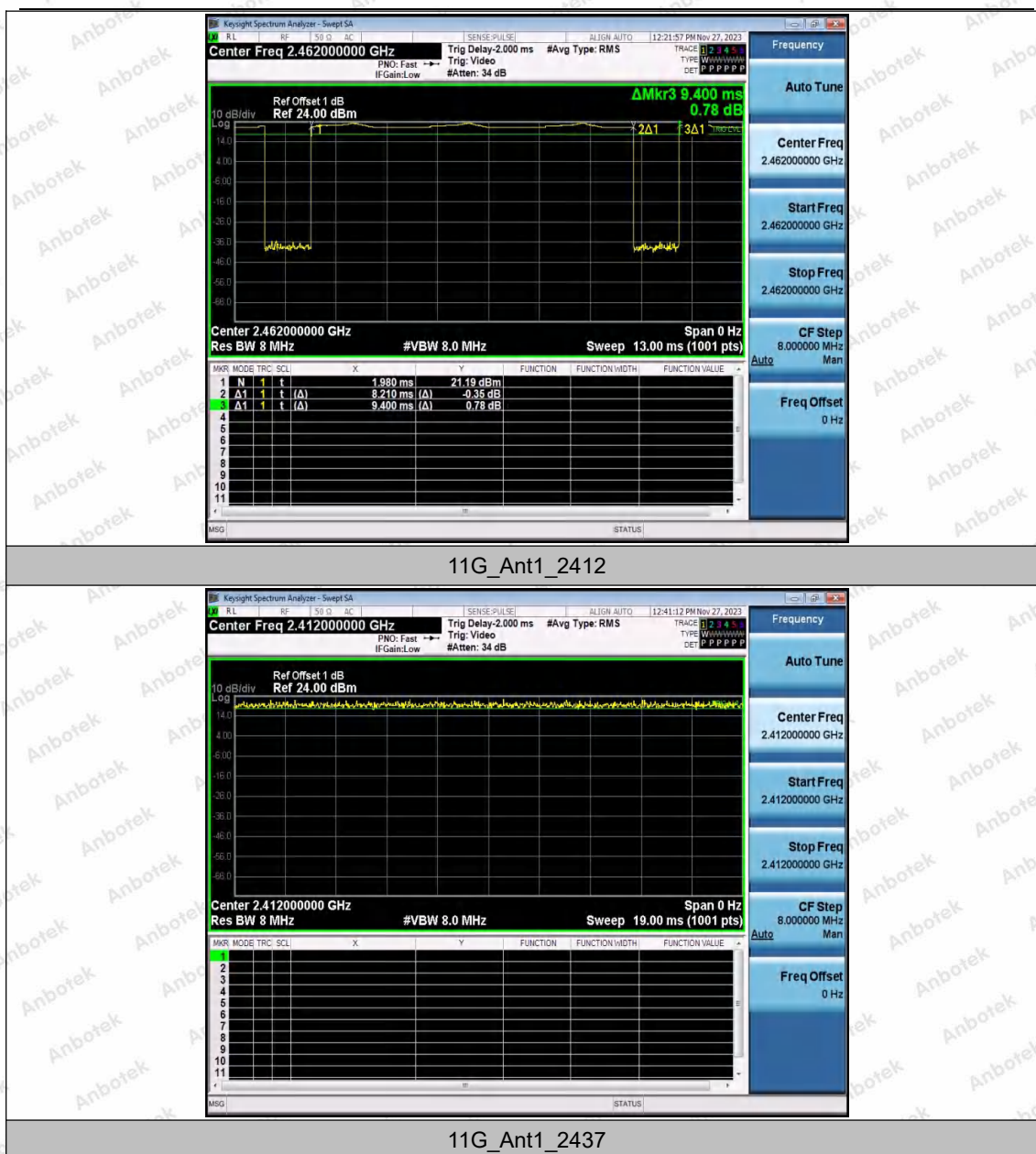
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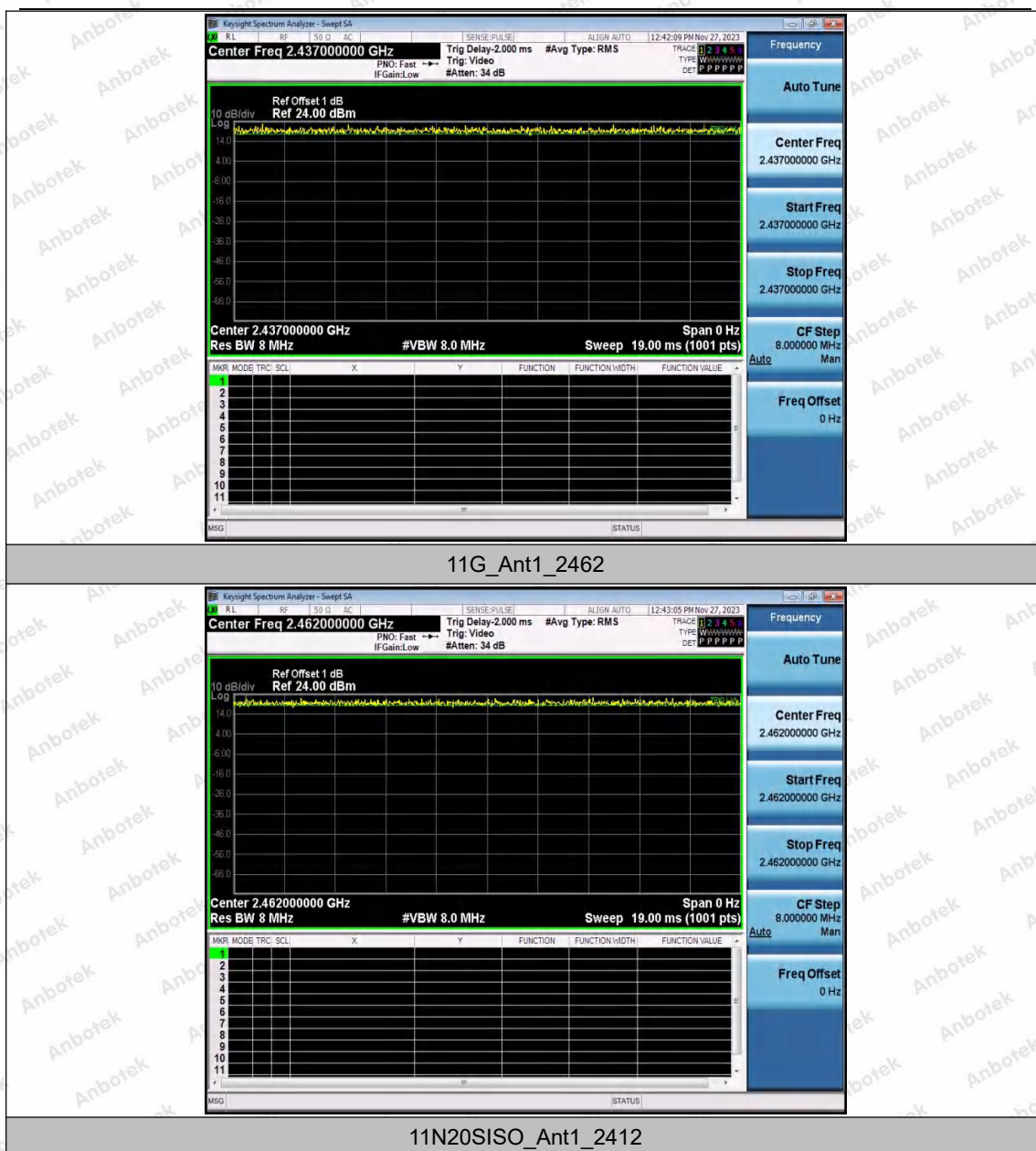
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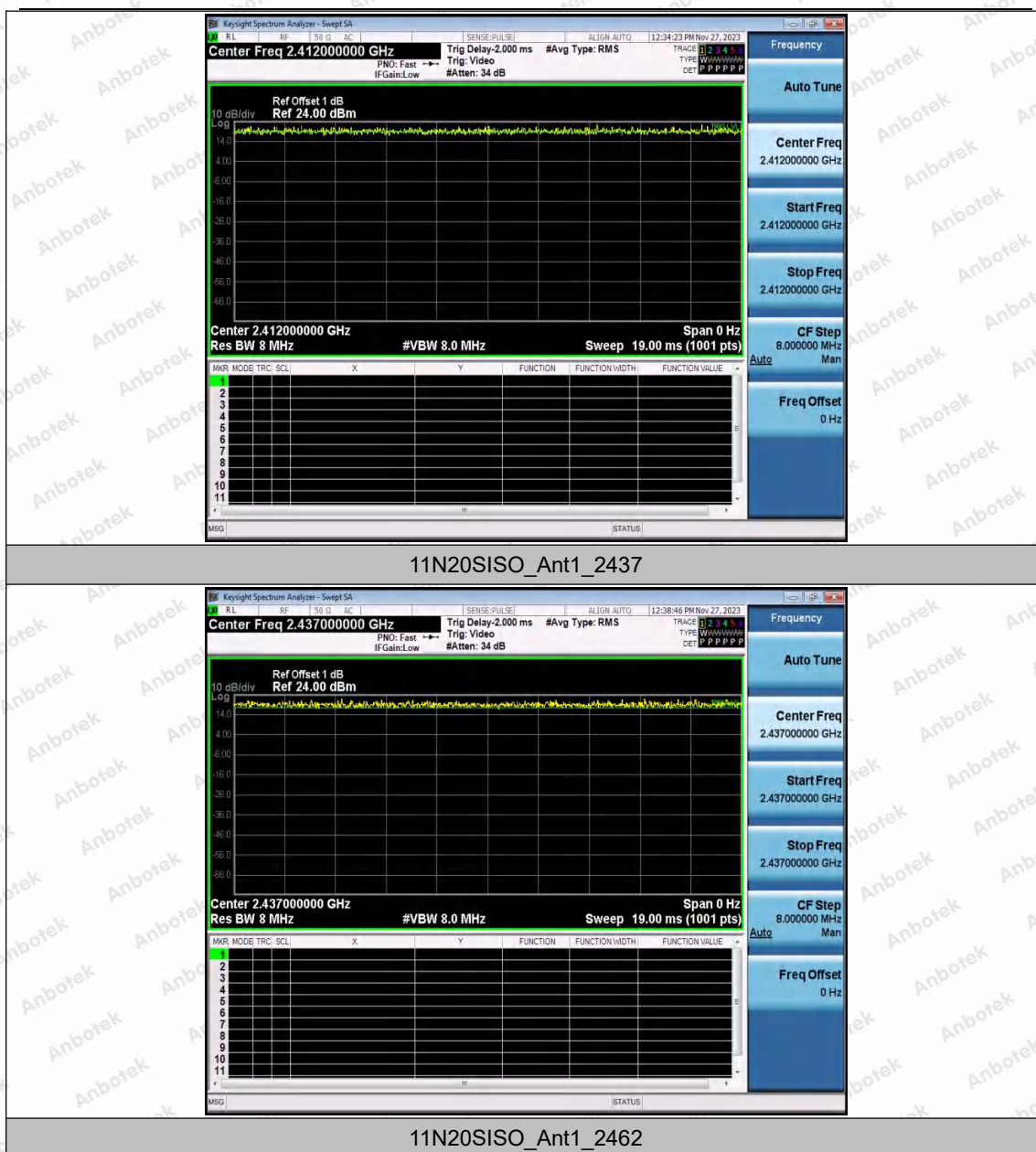
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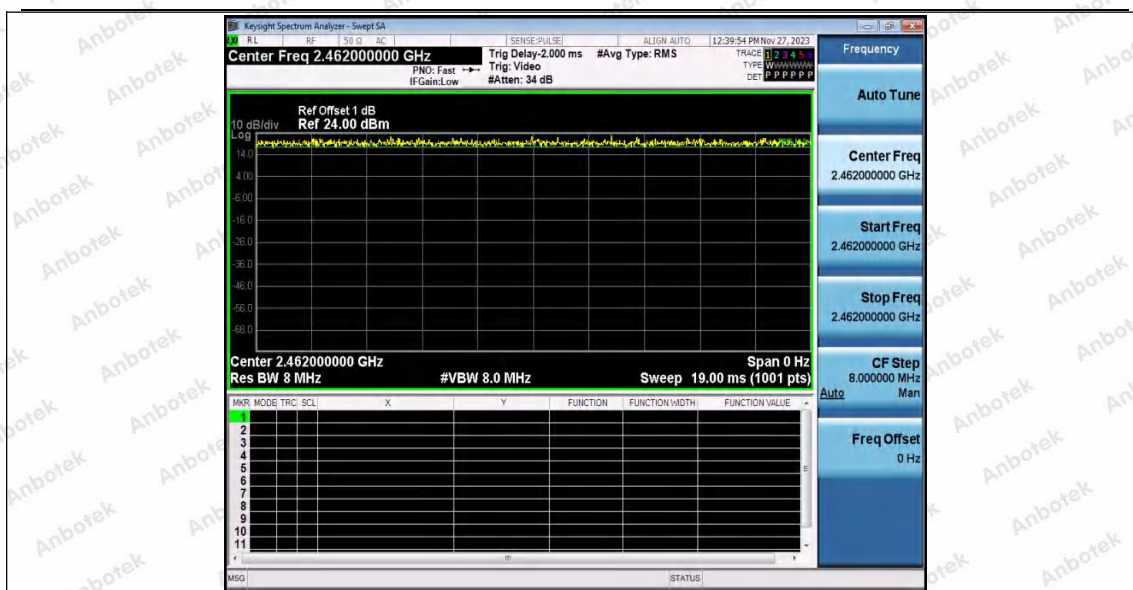
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