

Appendix Test Data

Report No.:	18220WC30136501	Test Sample No.:	1-2-2
Start Test Date:	2023.07.06	Finish Test Date:	2023.07.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	46%
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	2407.520	2417.080	≥0.5	PASS
		2437	10.040	2432.000	2442.040	≥0.5	PASS
		2462	9.080	2457.480	2466.560	≥0.5	PASS
11G	Ant1	2412	15.800	2404.120	2419.920	≥0.5	PASS
		2437	16.320	2428.880	2445.200	≥0.5	PASS
		2462	16.320	2453.880	2470.200	≥0.5	PASS
11N20SISO	Ant1	2412	15.840	2404.120	2419.960	≥0.5	PASS
		2437	13.400	2431.200	2444.600	≥0.5	PASS
		2462	16.560	2453.640	2470.200	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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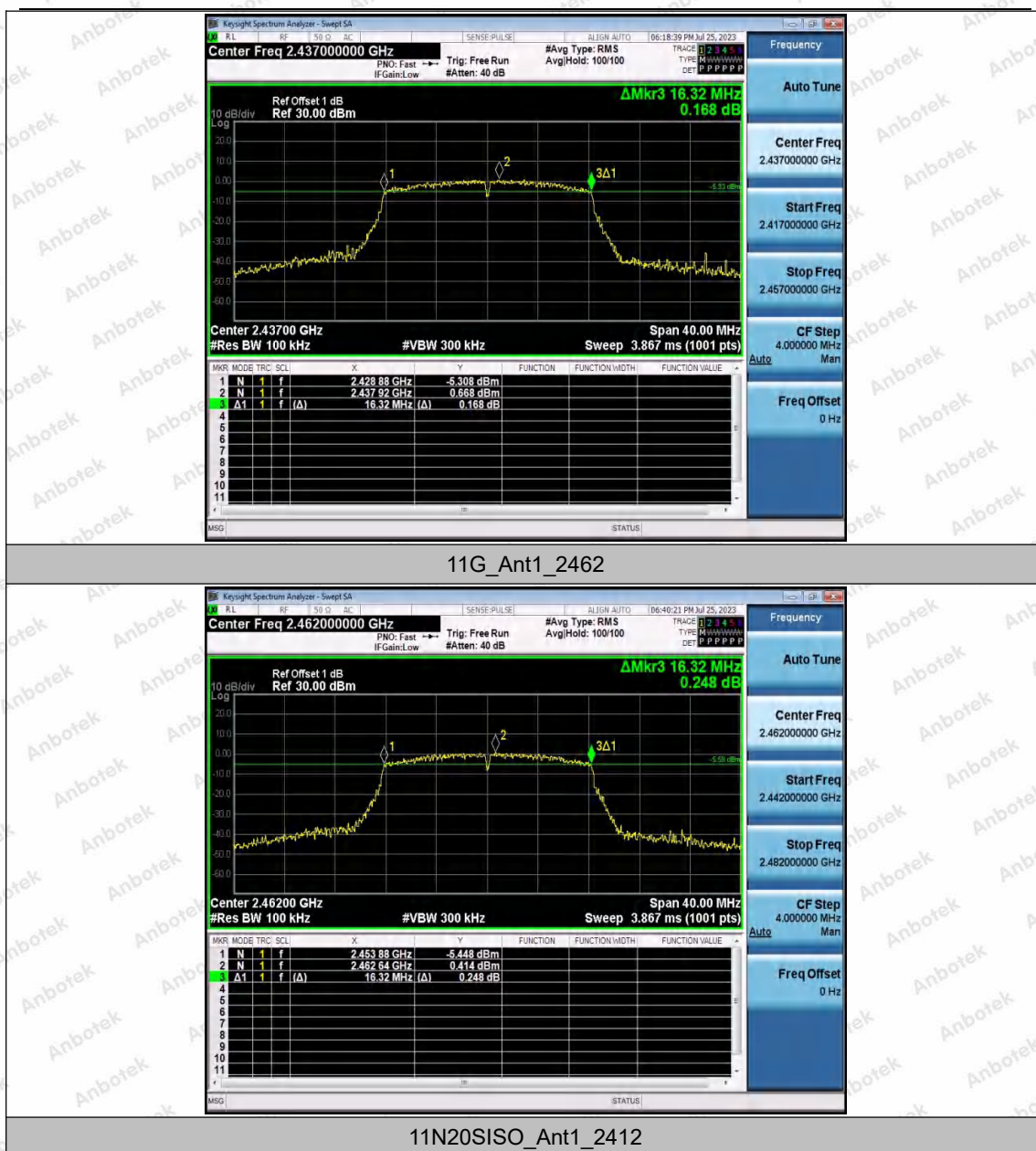


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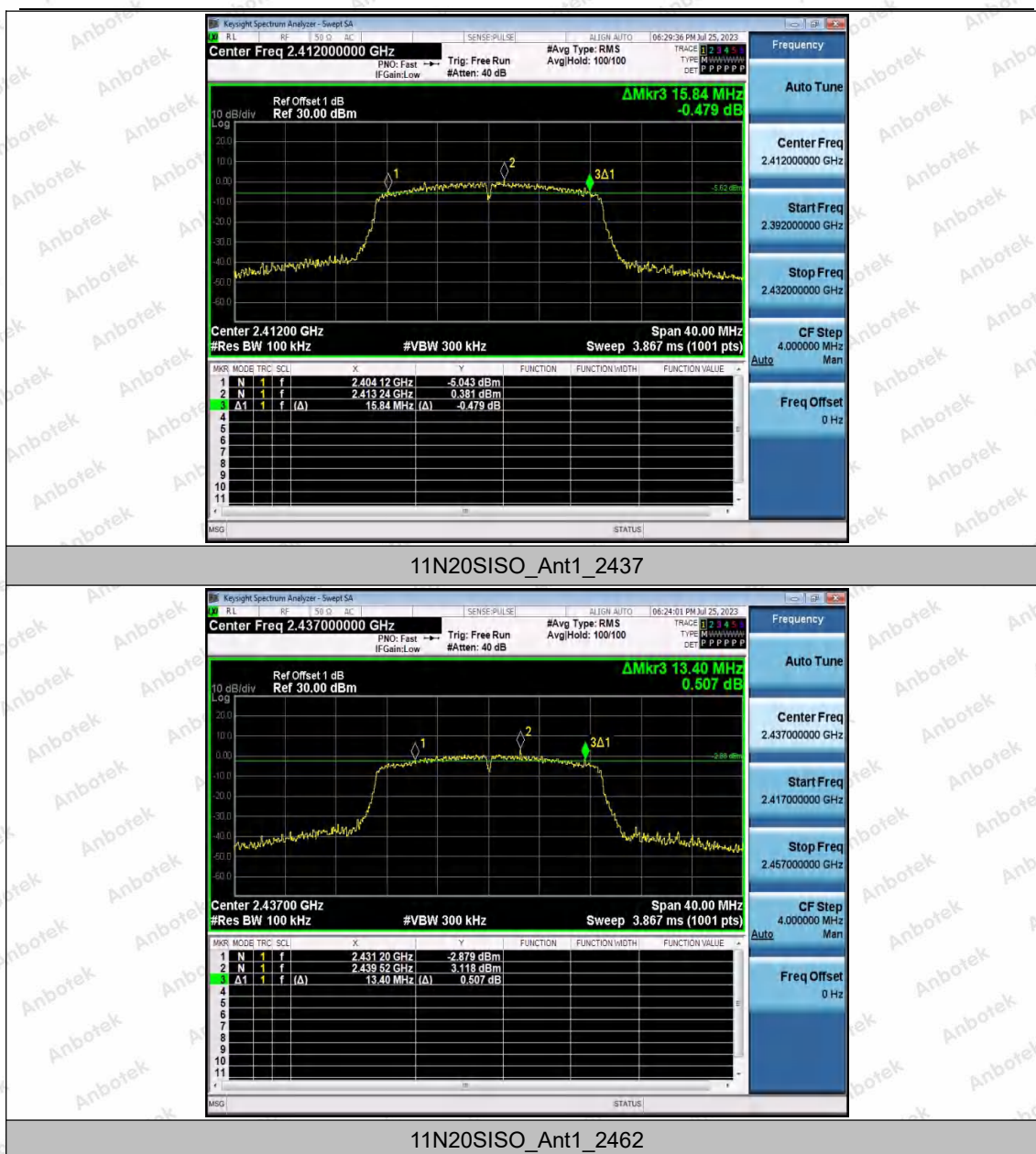
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.022	2405.5547	2418.5767	---	---
		2437	13.051	2430.5473	2443.5983	---	---
		2462	13.046	2455.5564	2468.6024	---	---
11G	Ant1	2412	16.379	2403.8708	2420.2498	---	---
		2437	16.426	2428.8462	2445.2722	---	---
		2462	16.408	2453.8797	2470.2877	---	---
11N20SISO	Ant1	2412	17.323	2403.3957	2420.7187	---	---
		2437	17.268	2428.4402	2445.7082	---	---
		2462	17.286	2453.4251	2470.7111	---	---



Test Graphs



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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	20.68	≤30.00
		2437	21.89	≤30.00
		2462	20.88	≤30.00
11G	Ant1	2412	19.30	≤30.00
		2437	21.28	≤30.00
		2462	21.00	≤30.00
11N20SISO	Ant1	2412	20.03	≤30.00
		2437	21.04	≤30.00
		2462	20.81	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.49	≤8.00	PASS
		2437	-1.53	≤8.00	PASS
		2462	-1.91	≤8.00	PASS
11G	Ant1	2412	-11.31	≤8.00	PASS
		2437	-9.59	≤8.00	PASS
		2462	-10.83	≤8.00	PASS
11N20SISO	Ant1	2412	-10.65	≤8.00	PASS
		2437	-9.2	≤8.00	PASS
		2462	-10.49	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

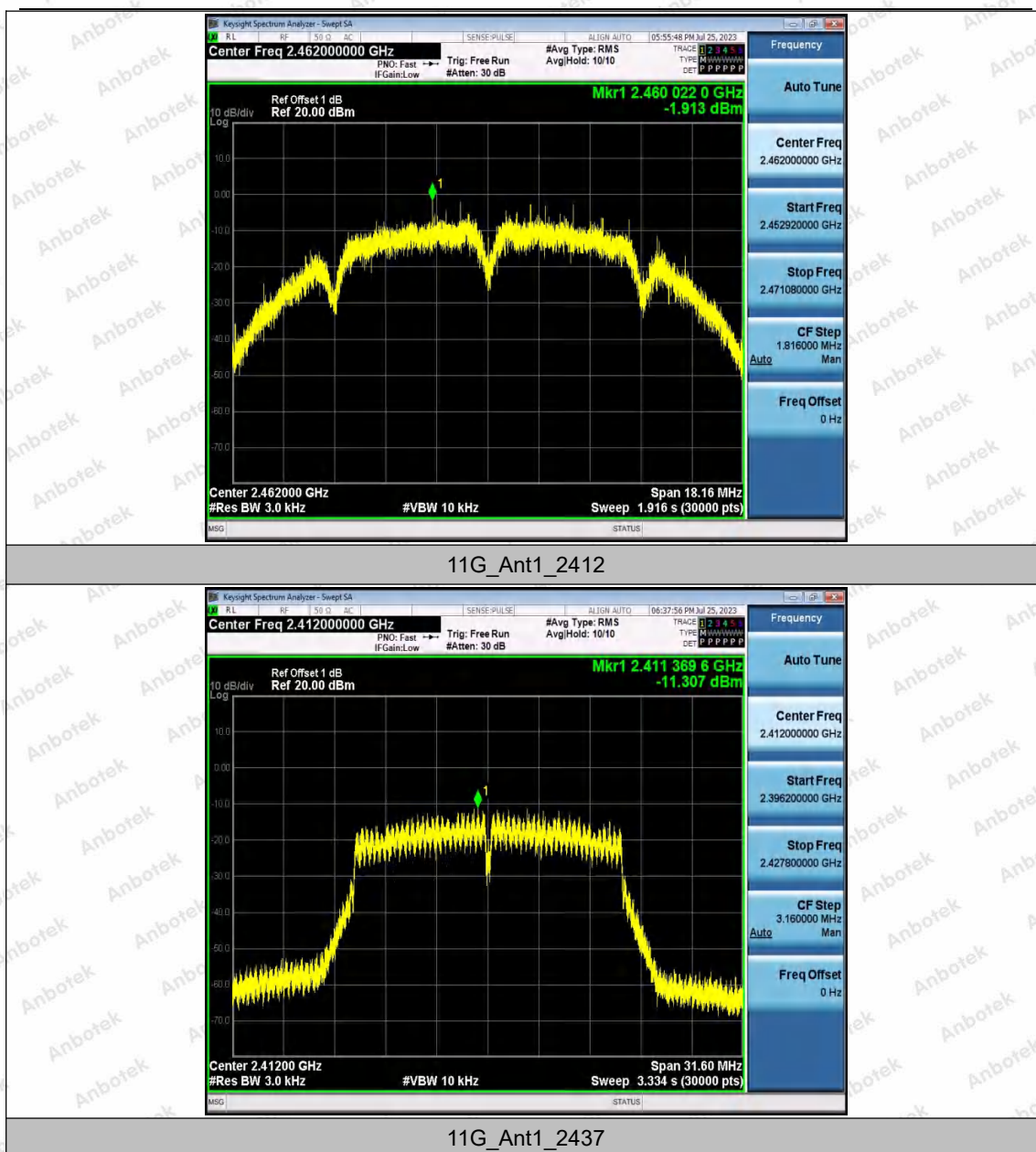
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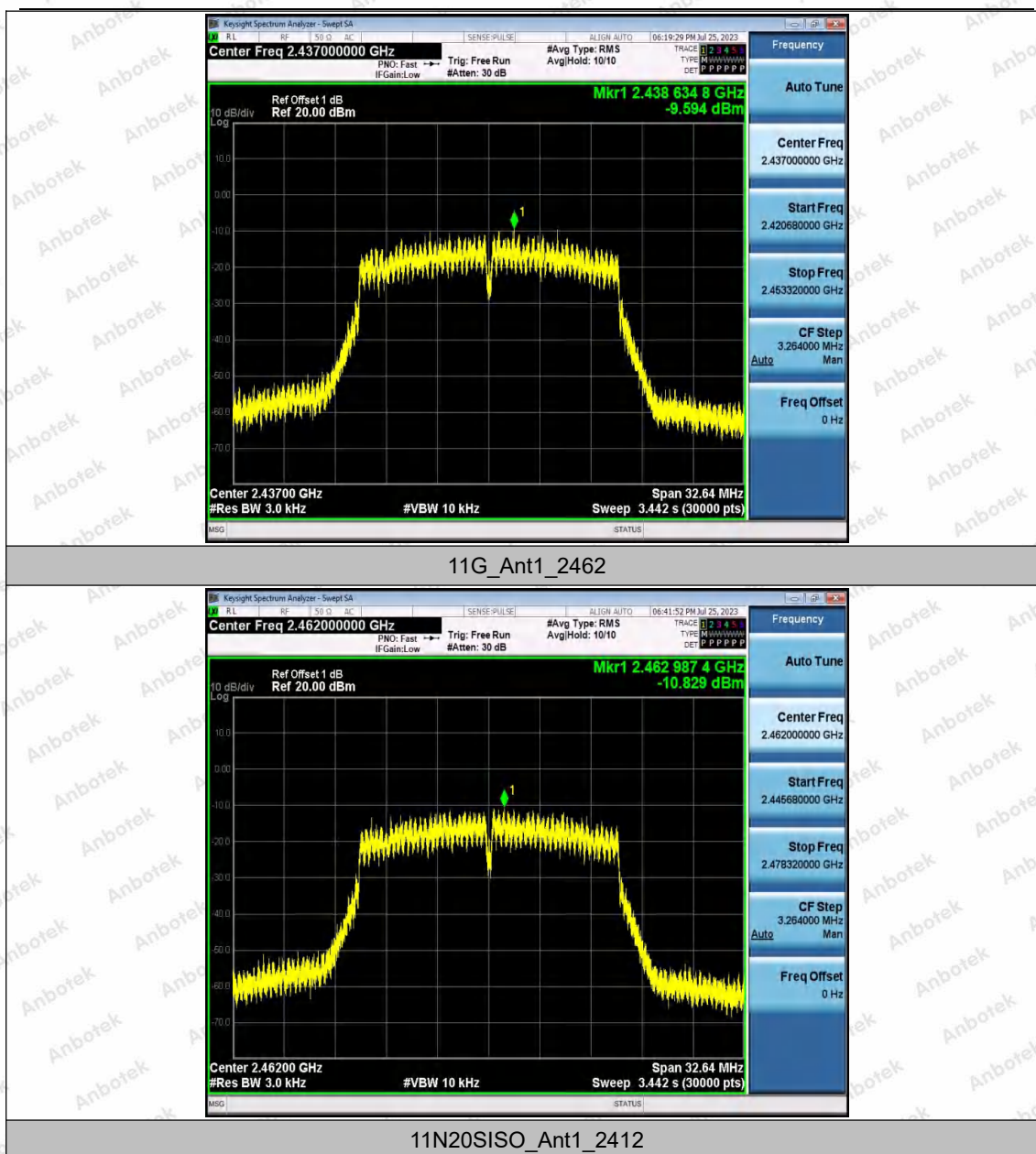
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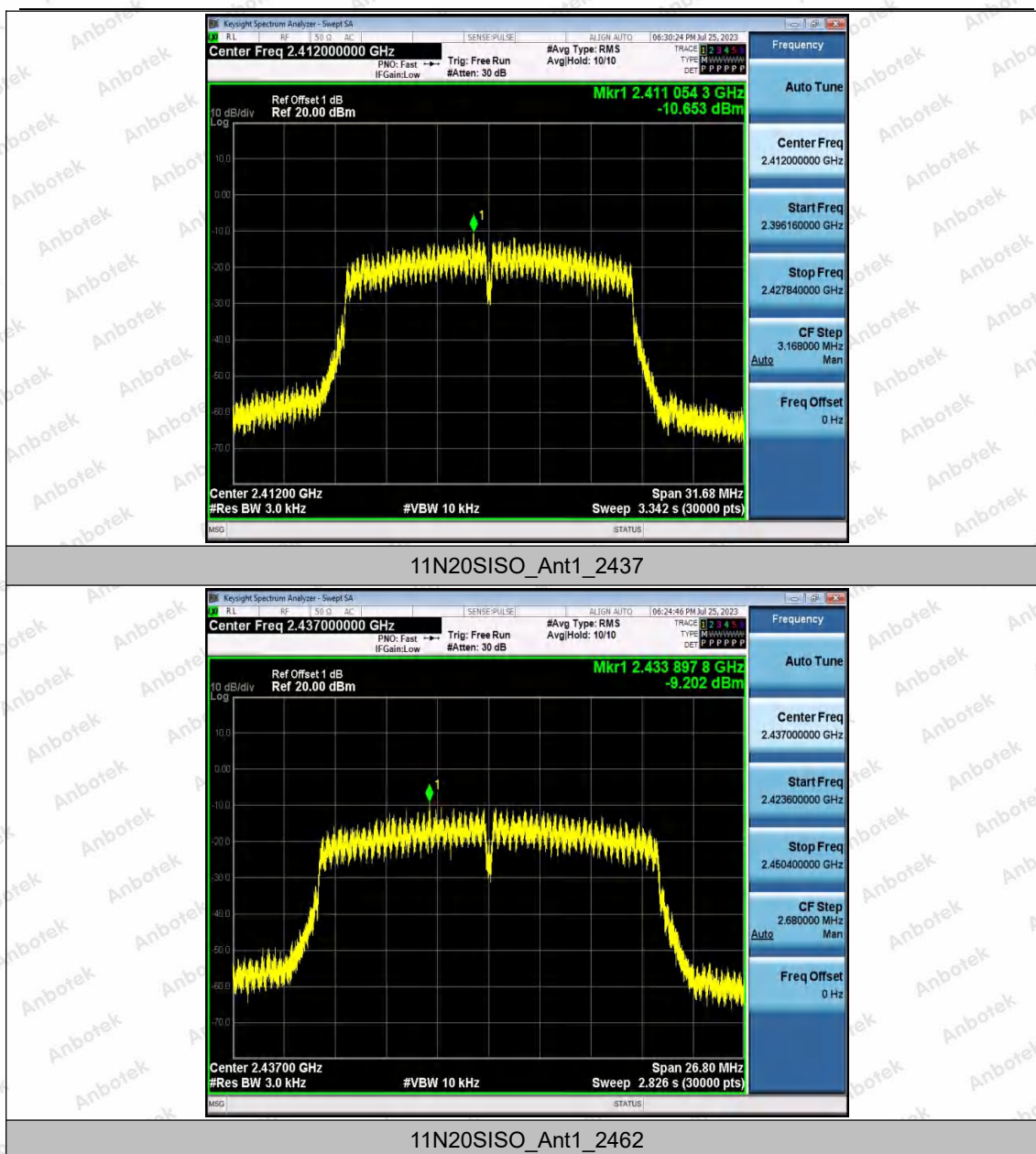
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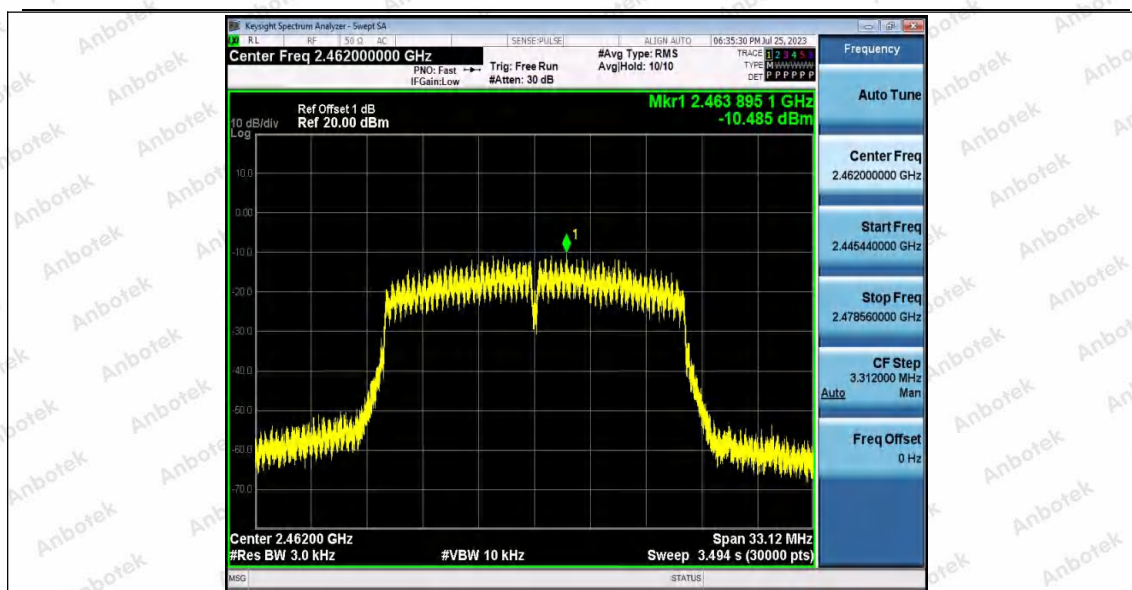
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.12	-34.17	≤-11.88	PASS
		High	2462	9.95	-41.56	≤-10.05	PASS
11G	Ant1	Low	2412	0.74	-37.91	≤-19.26	PASS
		High	2462	0.70	-48.28	≤-19.3	PASS
11N20SISO	Ant1	Low	2412	1.39	-38.43	≤-18.61	PASS
		High	2462	2.10	-45.12	≤-17.9	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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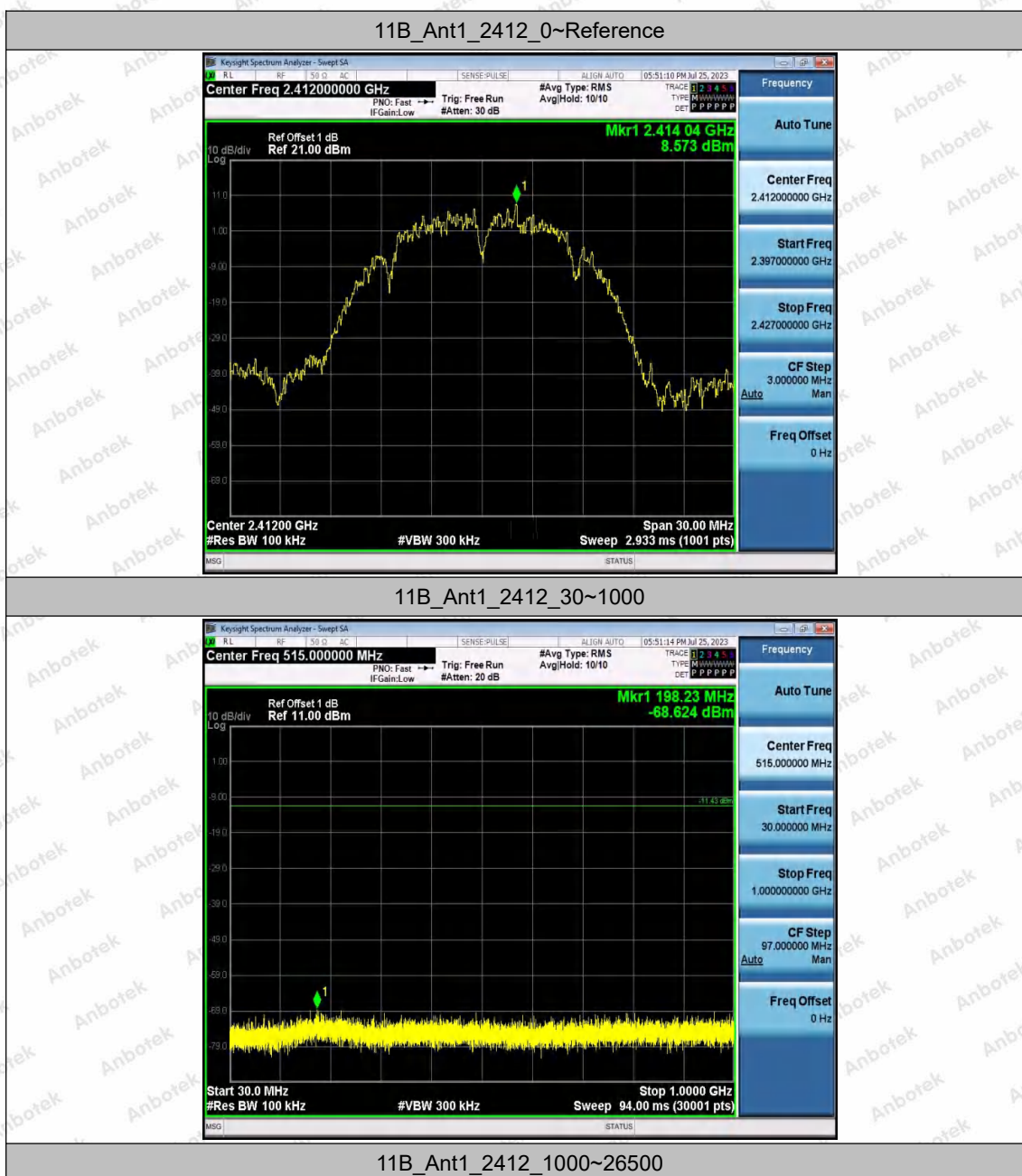
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.57	8.57	---	PASS
			30~1000	8.57	-68.62	≤-11.43	PASS
			1000~26500	8.57	-53.51	≤-11.43	PASS
		2437	Reference	9.04	9.04	---	PASS
			30~1000	9.04	-68.27	≤-10.96	PASS
			1000~26500	9.04	-53.77	≤-10.96	PASS
		2462	Reference	7.44	7.44	---	PASS
			30~1000	7.44	-68.43	≤-12.56	PASS
			1000~26500	7.44	-53.67	≤-12.56	PASS
11G	Ant1	2412	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-69.17	≤-20.09	PASS
			1000~26500	-0.09	-53.54	≤-20.09	PASS
		2437	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-69.09	≤-20.19	PASS
			1000~26500	-0.19	-53.7	≤-20.19	PASS
		2462	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-69.48	≤-18.09	PASS
			1000~26500	1.91	-53.66	≤-18.09	PASS
11N20SISO	Ant1	2412	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-68.76	≤-21.45	PASS
			1000~26500	-1.45	-53.44	≤-21.45	PASS
		2437	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-68.1	≤-20.37	PASS
			1000~26500	-0.37	-53.67	≤-20.37	PASS
		2462	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-68.71	≤-19.37	PASS
			1000~26500	0.63	-53.27	≤-19.37	PASS



Test Graphs



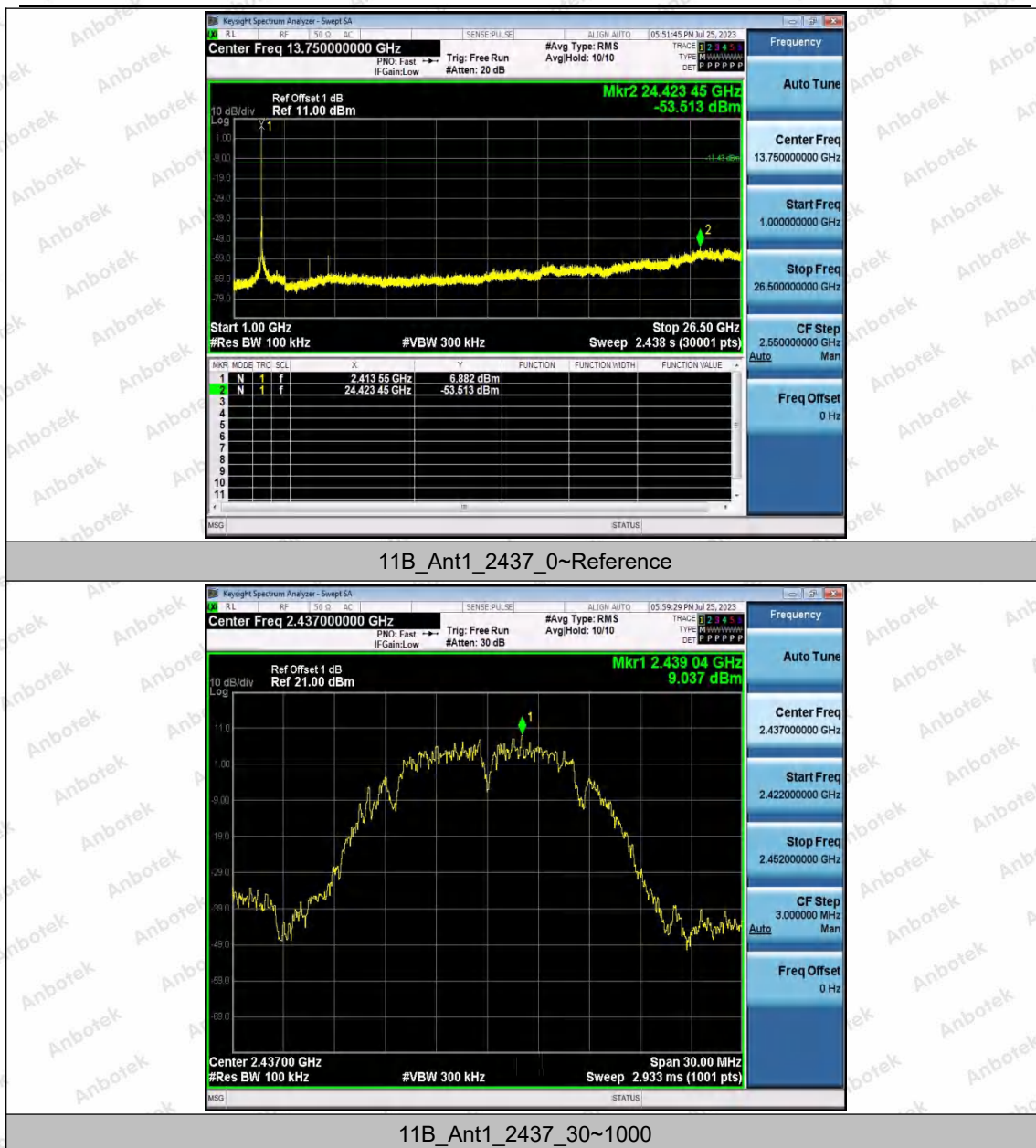
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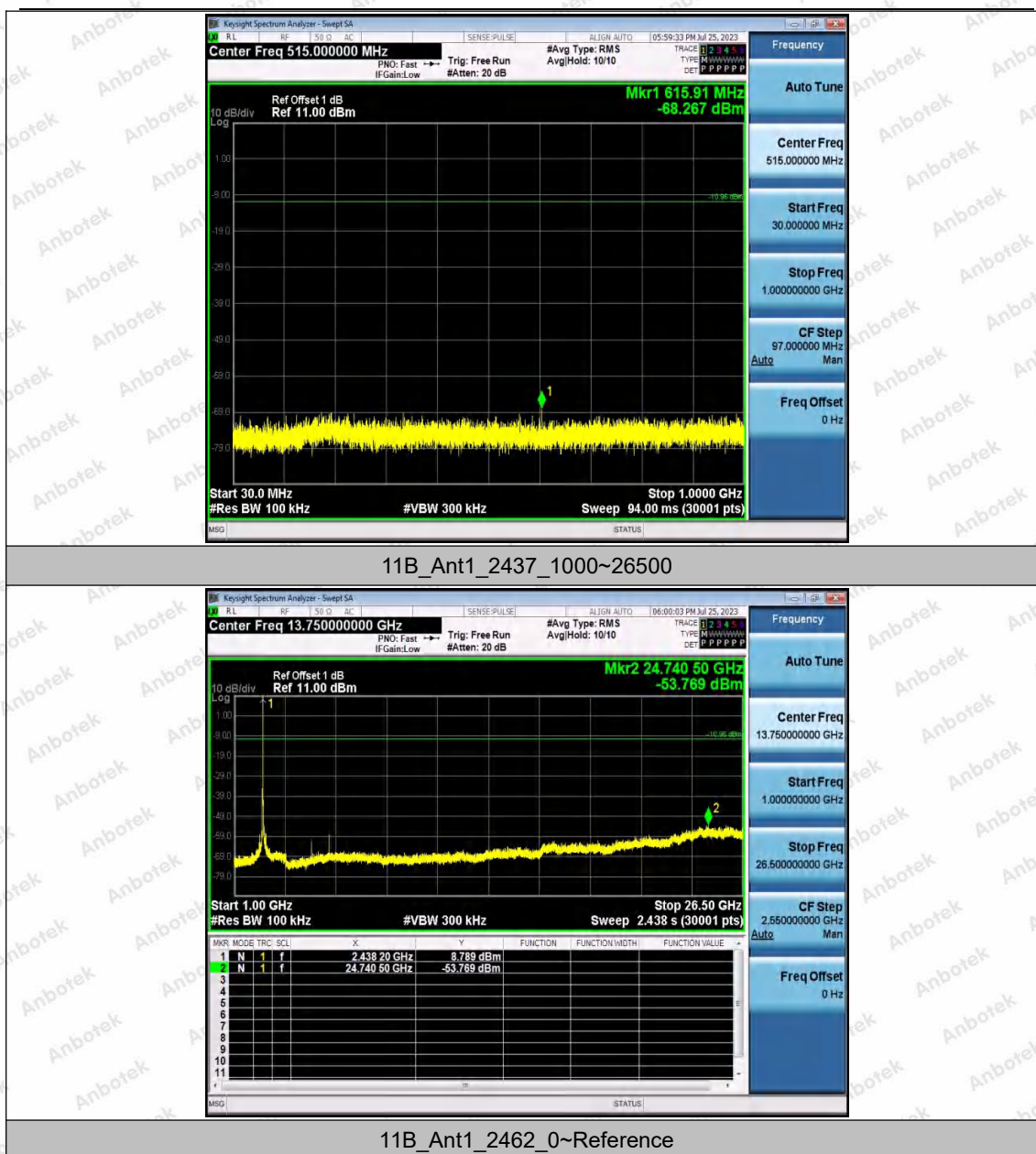


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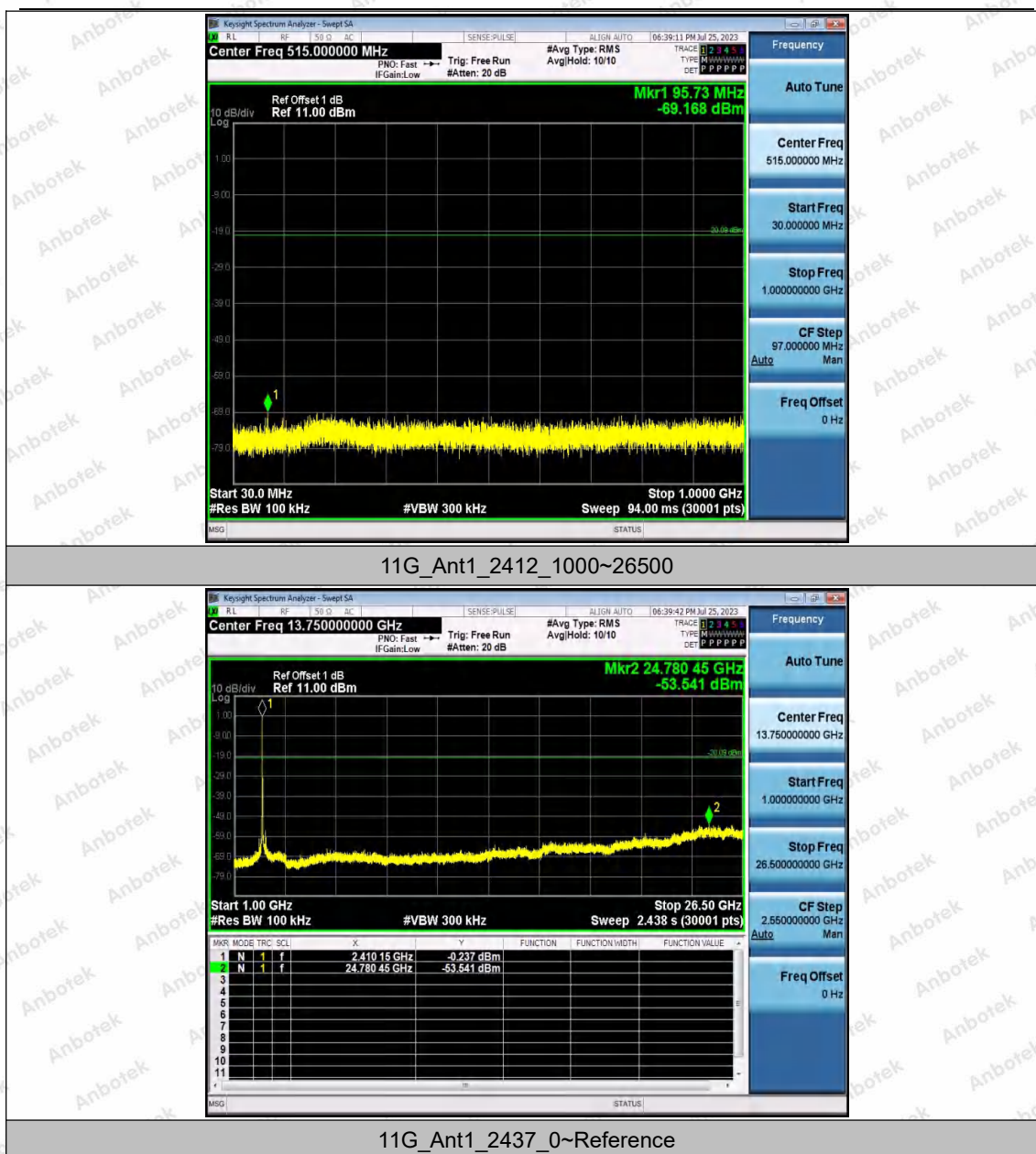
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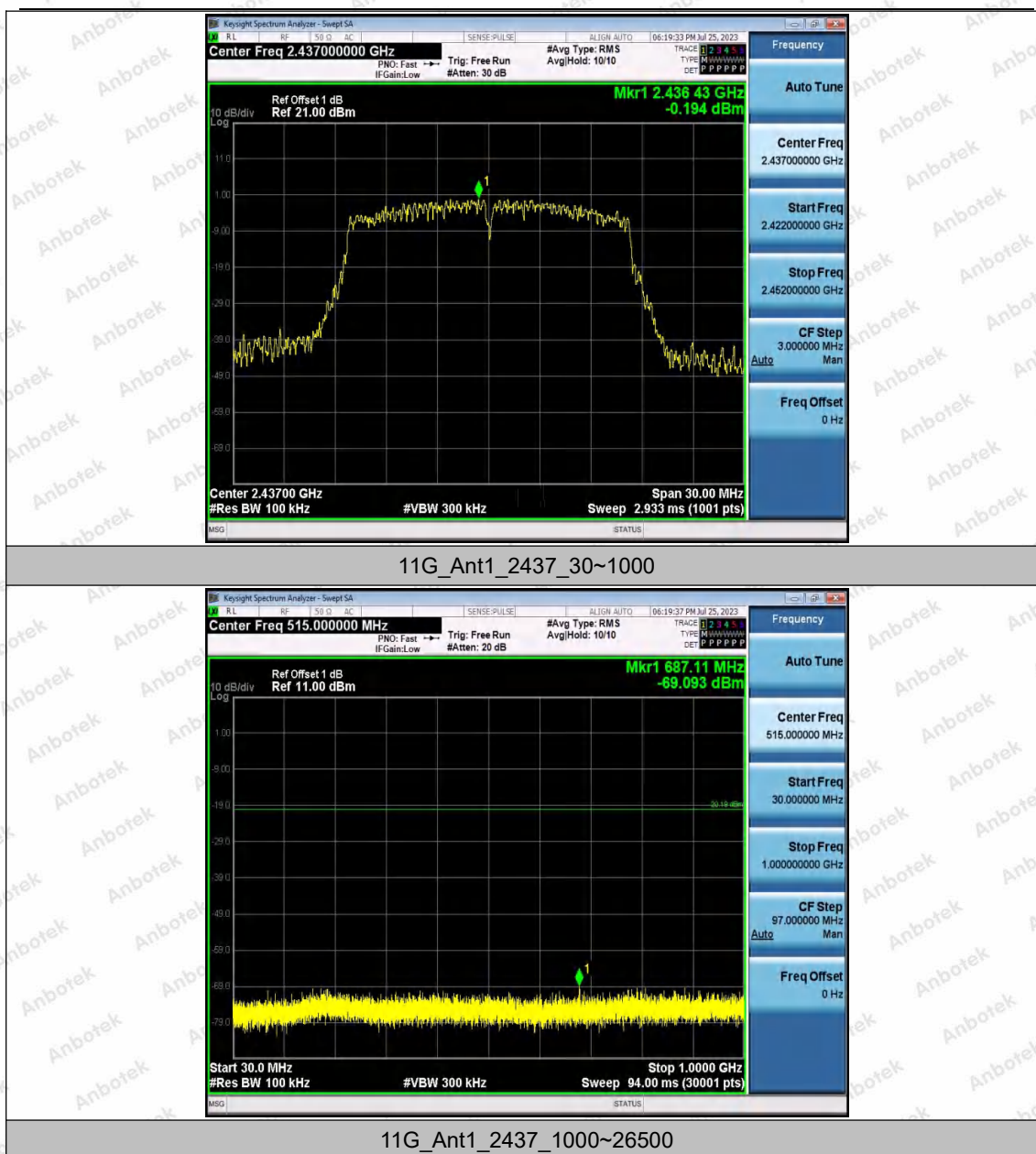
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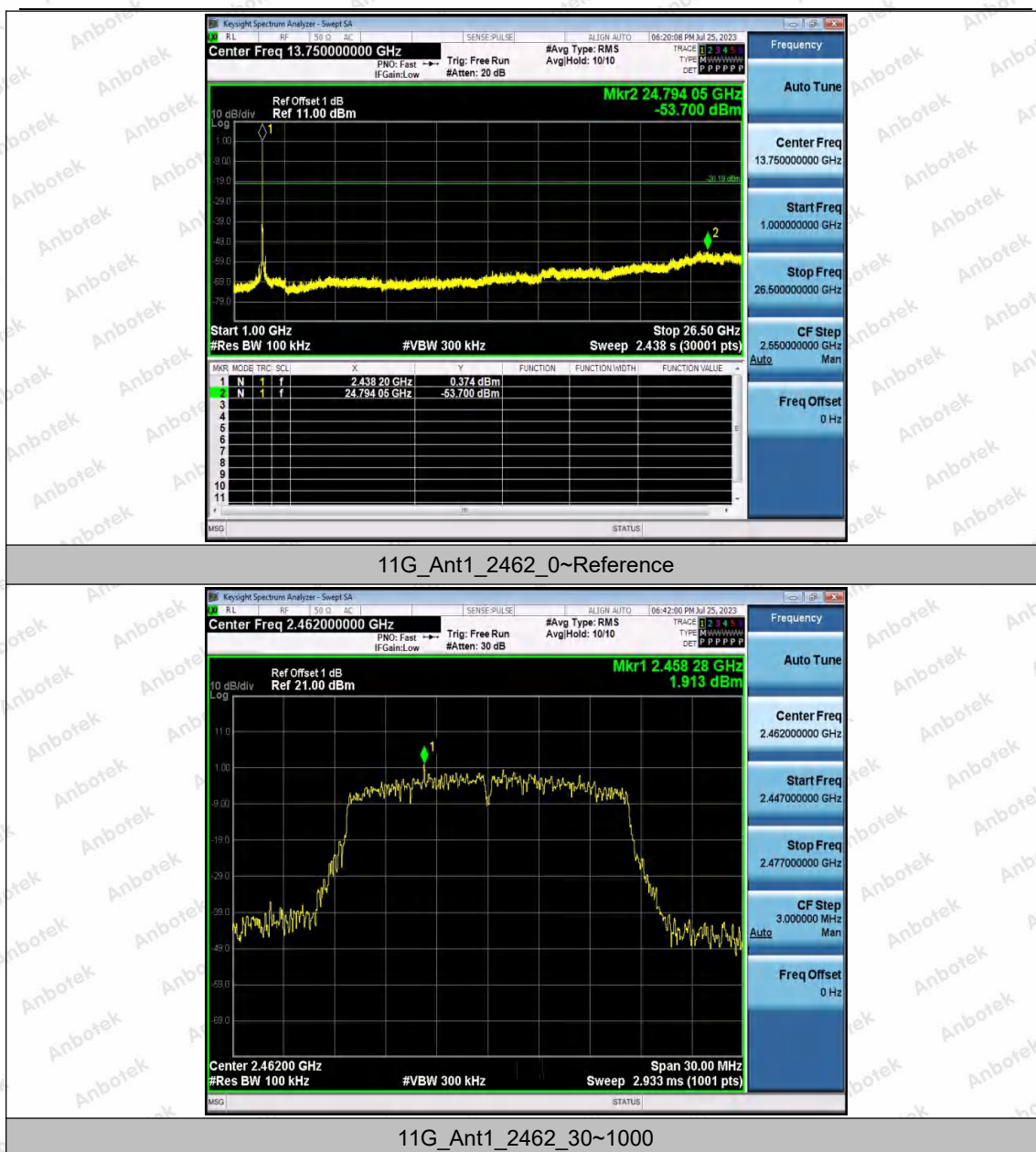
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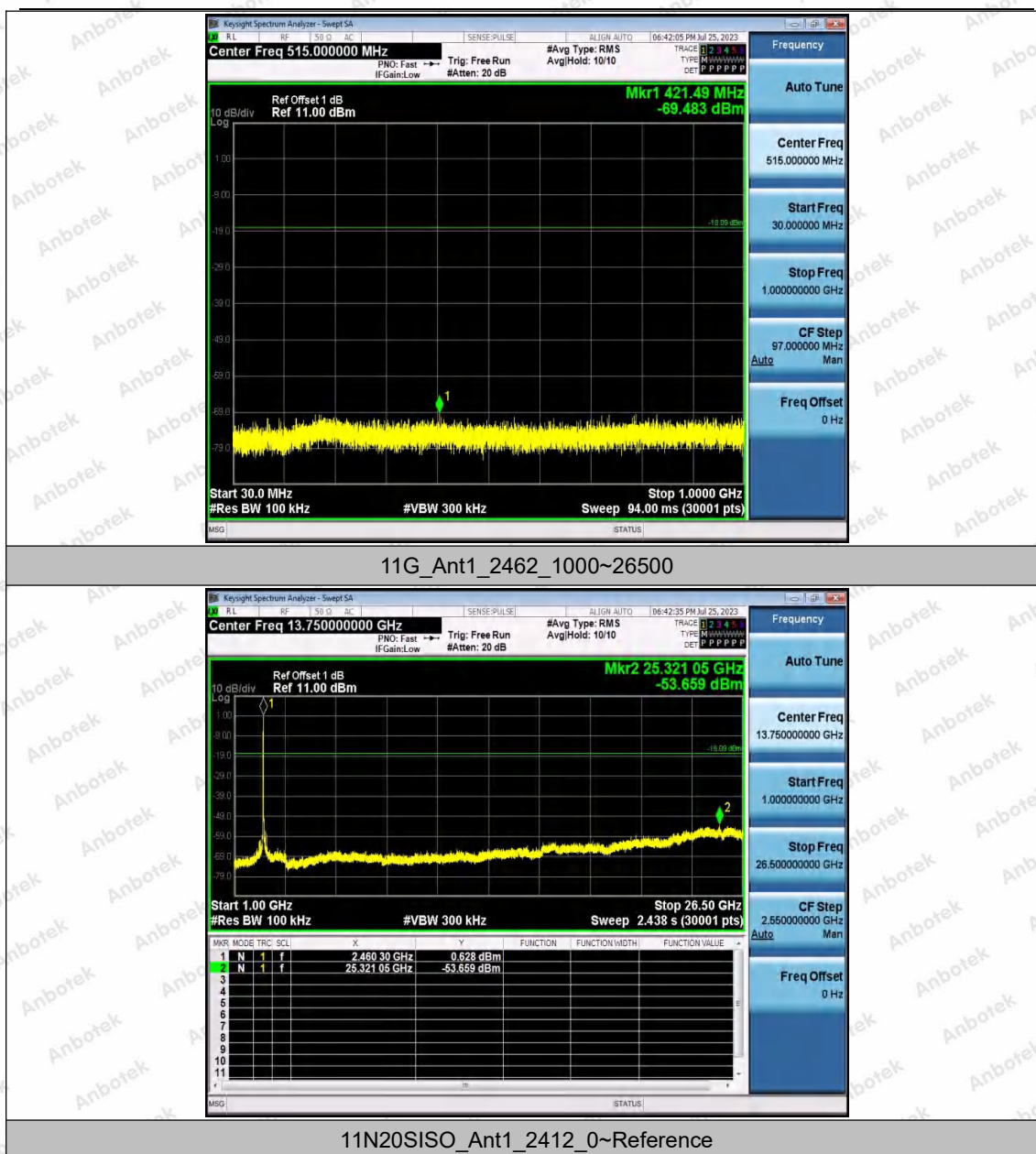
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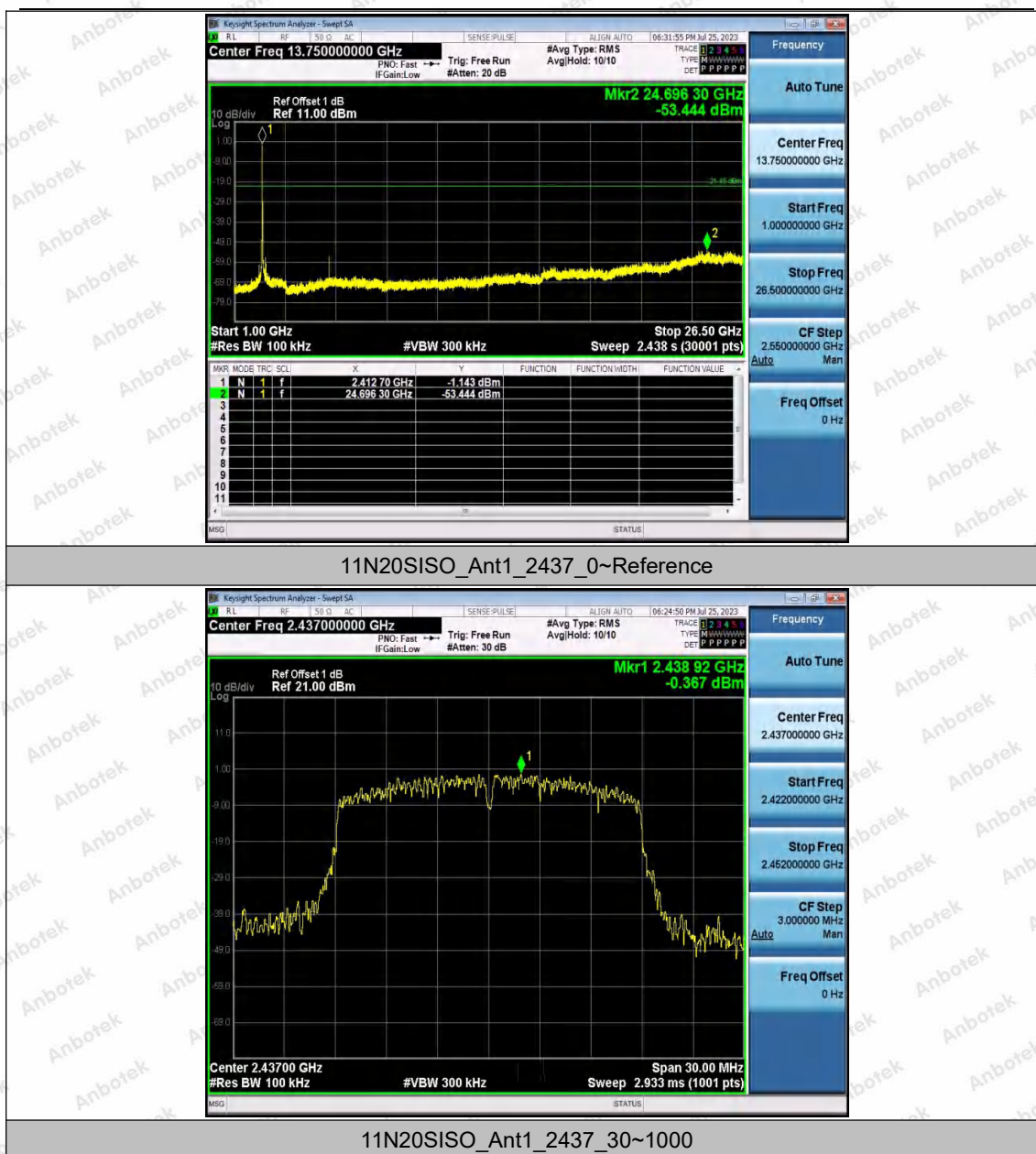
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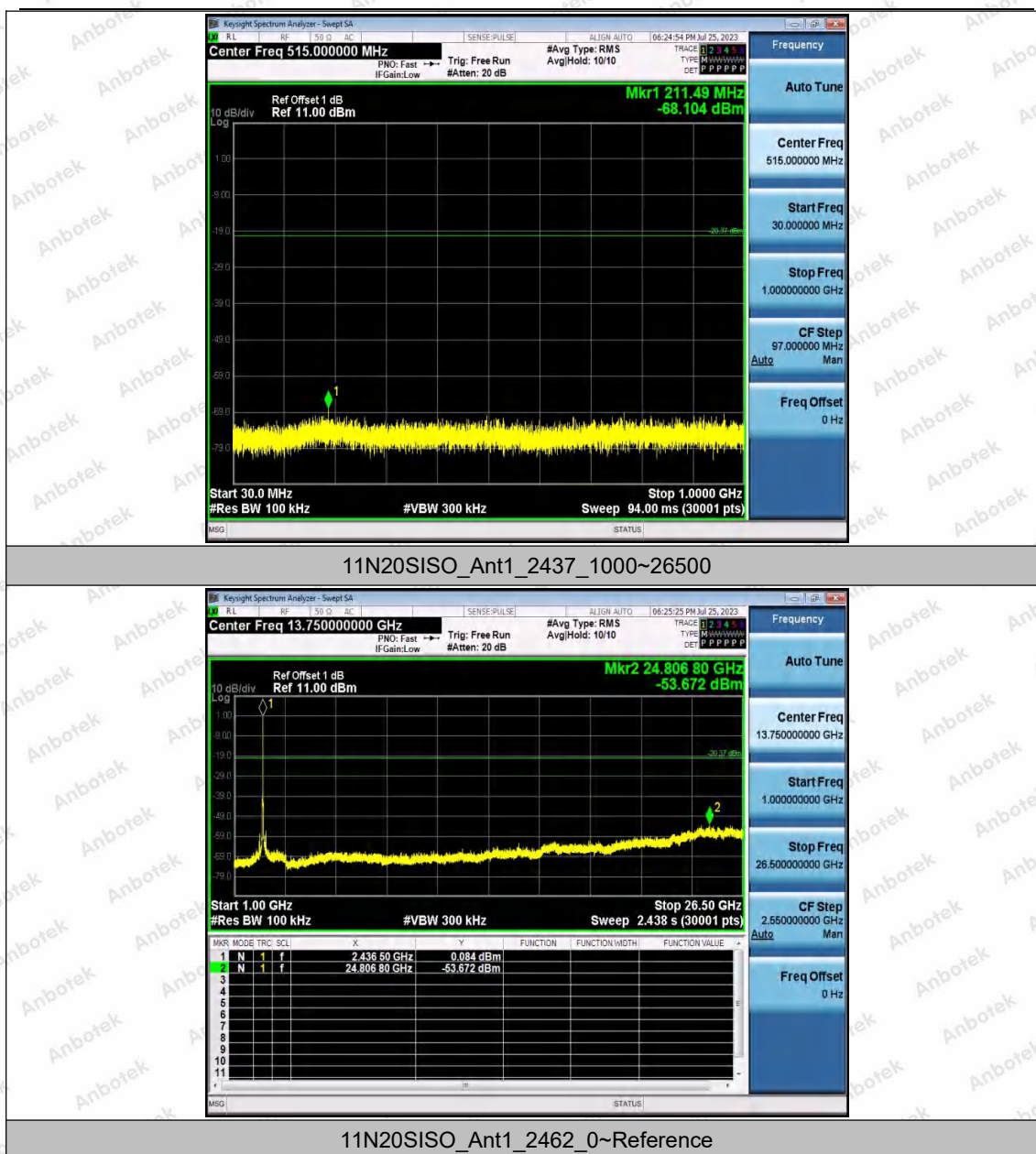
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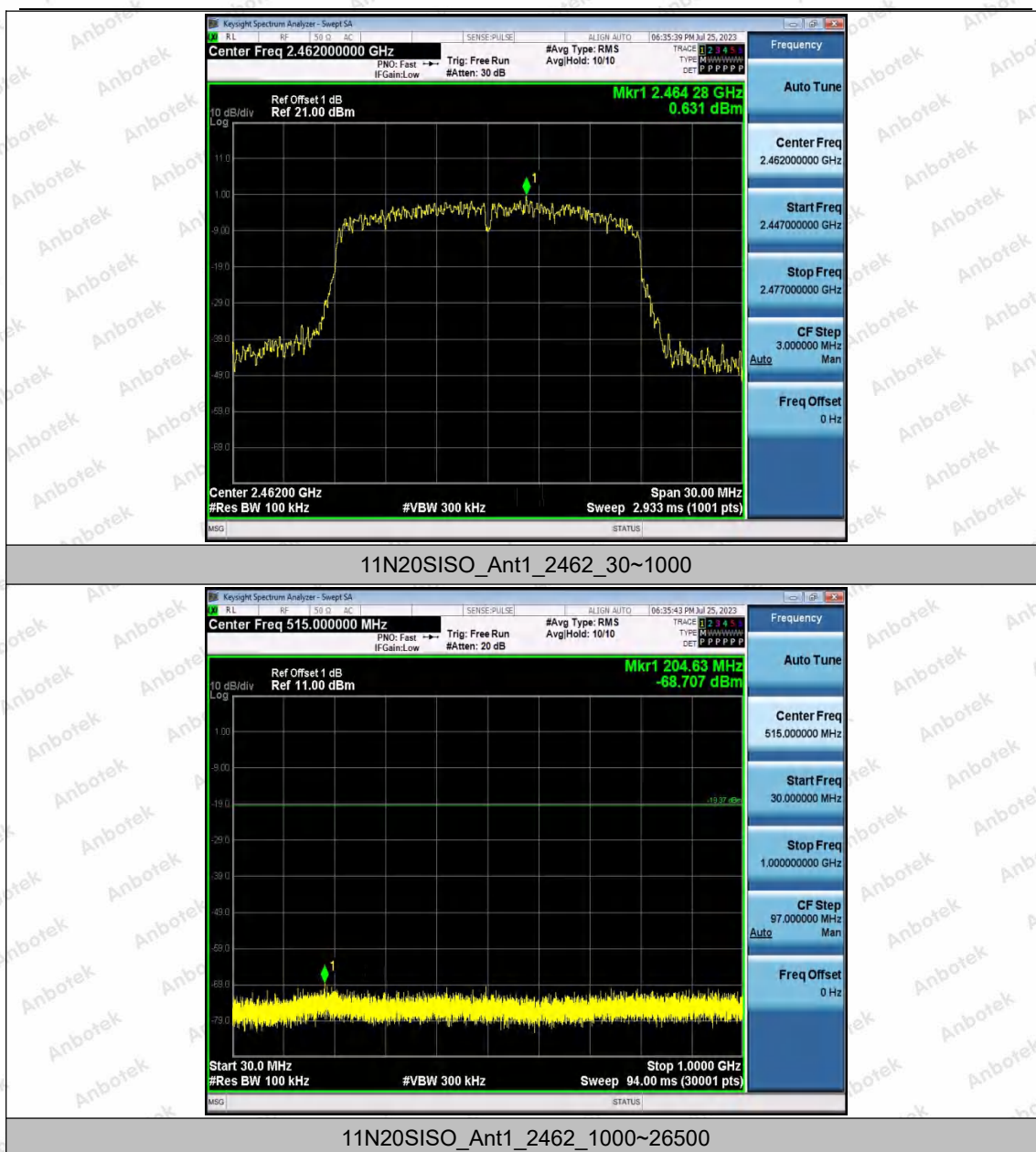
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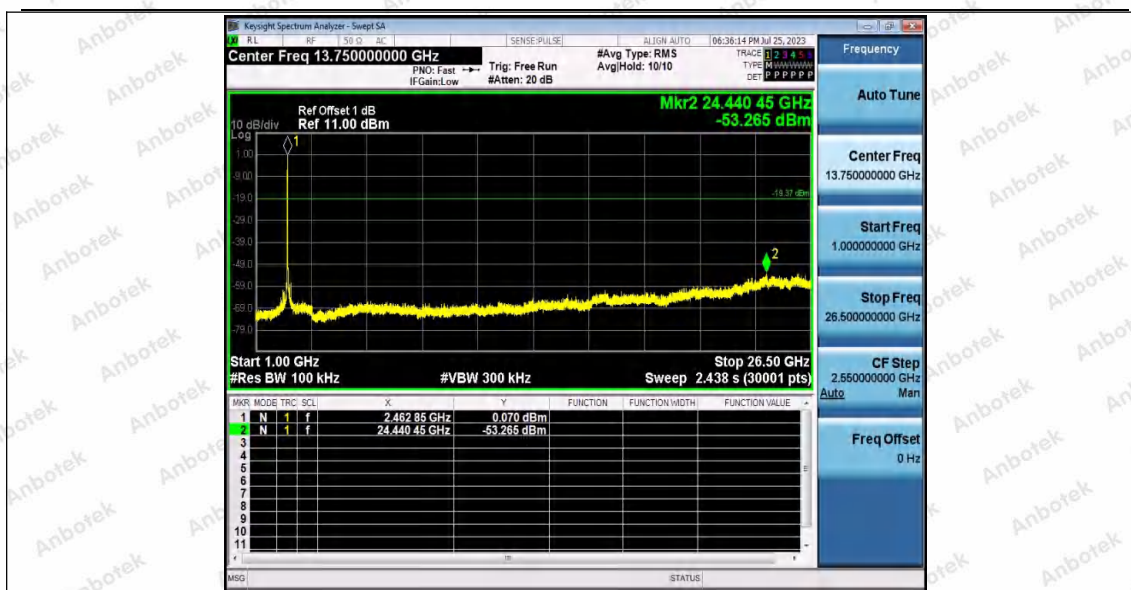
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.21	9.39	87.43	0.58
		2437	8.21	9.39	87.43	0.58
		2462	8.20	9.38	87.42	0.58
11G	Ant1	2412	12.03	12.04	99.92	0.00
		2437	12.03	12.04	99.92	0.00
		2462	12.03	12.04	99.92	0.00
11N20SISO	Ant1	2412	11.12	11.13	99.91	0.00
		2437	11.12	11.13	99.91	0.00
		2462	11.12	11.13	99.91	0.00



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

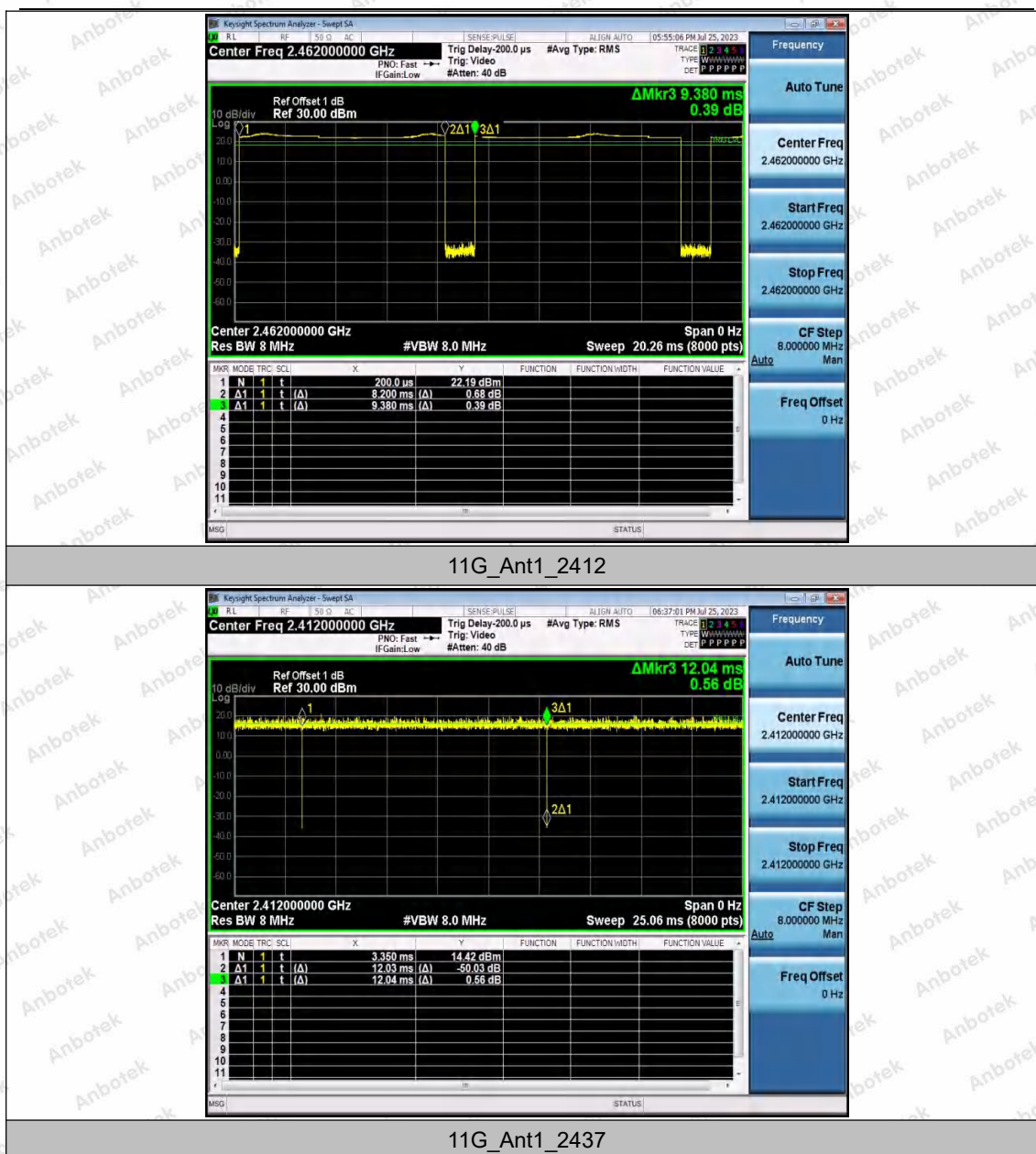
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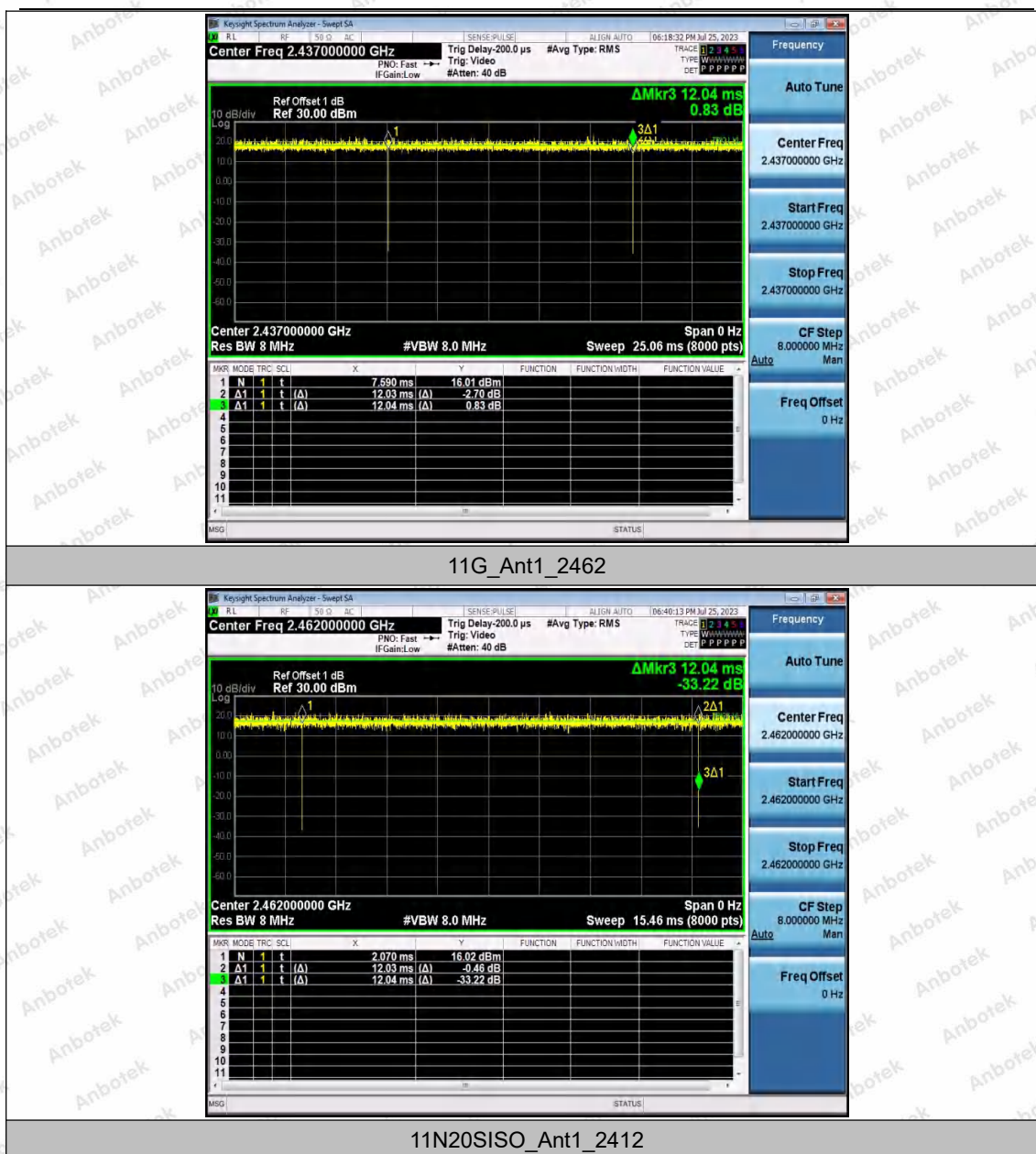
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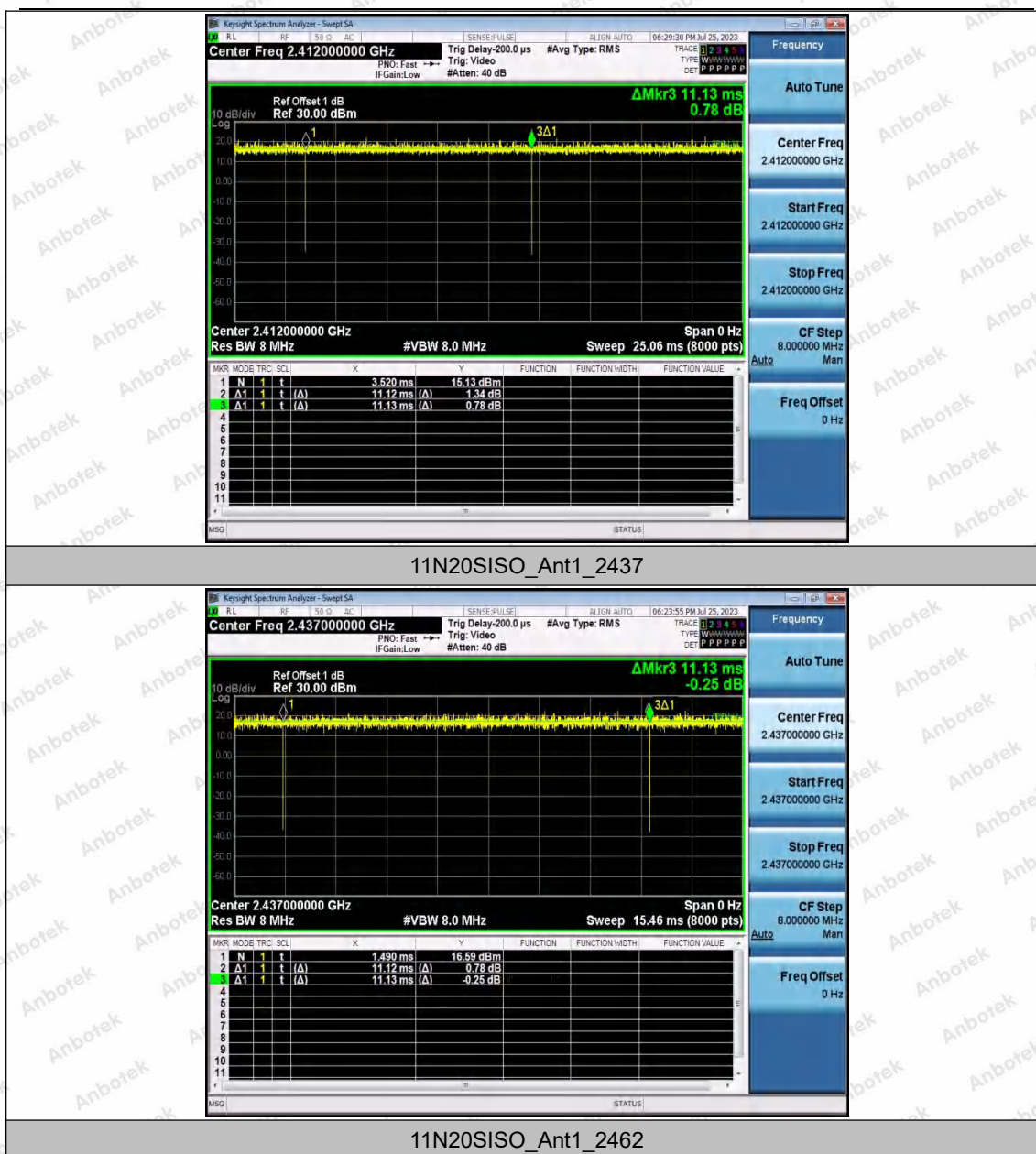
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