

Appendix Test Data

Report No.:	18220WC30168503	Test Sample No.:	1-2-2
Start Test Date:	2023.08.08	Finish Test Date:	2023.08.11
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.4°C	Relative Humidity:	47%
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	9.000	2407.520	2416.520	≥0.5	PASS
		2437	8.520	2432.480	2441.000	≥0.5	PASS
		2462	7.600	2457.960	2465.560	≥0.5	PASS
11G	Ant1	2412	15.080	2404.480	2419.560	≥0.5	PASS
		2437	14.000	2430.480	2444.480	≥0.5	PASS
		2462	15.040	2454.480	2469.520	≥0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	≥0.5	PASS
		2437	15.440	2429.120	2444.560	≥0.5	PASS
		2462	14.040	2455.400	2469.440	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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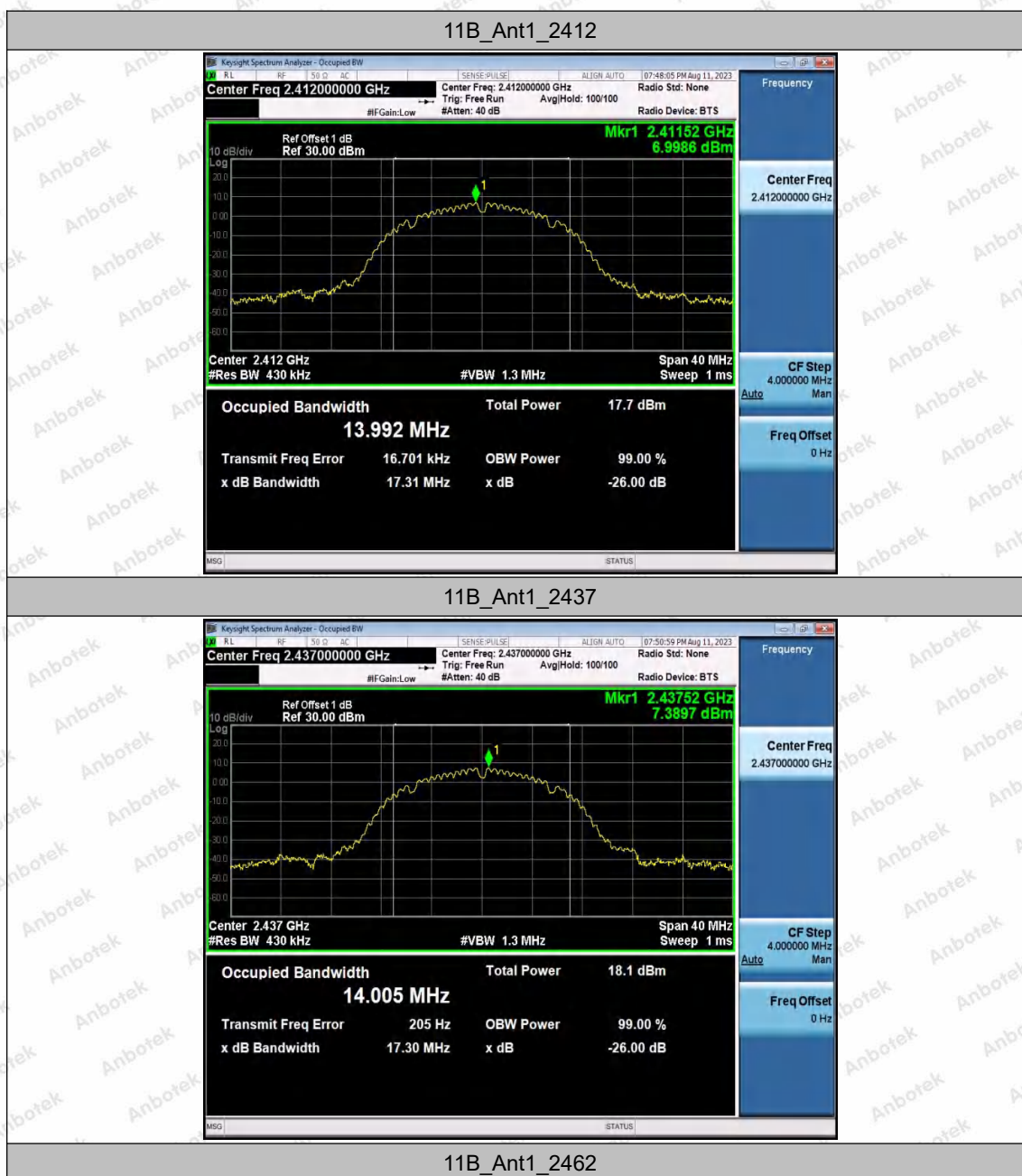
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.992	2405.0207	2419.0127
		2437	14.005	2429.9977	2444.0027
		2462	14.020	2454.9865	2469.0065
11G	Ant1	2412	16.639	2403.6772	2420.3162
		2437	16.601	2428.7236	2445.3246
		2462	16.626	2453.6932	2470.3192
11N20SISO	Ant1	2412	17.670	2403.1829	2420.8529
		2437	17.679	2428.1829	2445.8619
		2462	17.704	2453.1446	2470.8486



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	17.70	≤30.00
		2437	18.10	≤30.00
		2462	17.80	≤30.00
11G	Ant1	2412	17.17	≤30.00
		2437	17.31	≤30.00
		2462	17.39	≤30.00
11N20SISO	Ant1	2412	18.84	≤30.00
		2437	18.41	≤30.00
		2462	18.67	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.32	≤8.00	PASS
		2437	-7.16	≤8.00	PASS
		2462	-6.95	≤8.00	PASS
11G	Ant1	2412	-14.87	≤8.00	PASS
		2437	-13.72	≤8.00	PASS
		2462	-14.63	≤8.00	PASS
11N20SISO	Ant1	2412	-12.03	≤8.00	PASS
		2437	-12.87	≤8.00	PASS
		2462	-12.66	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

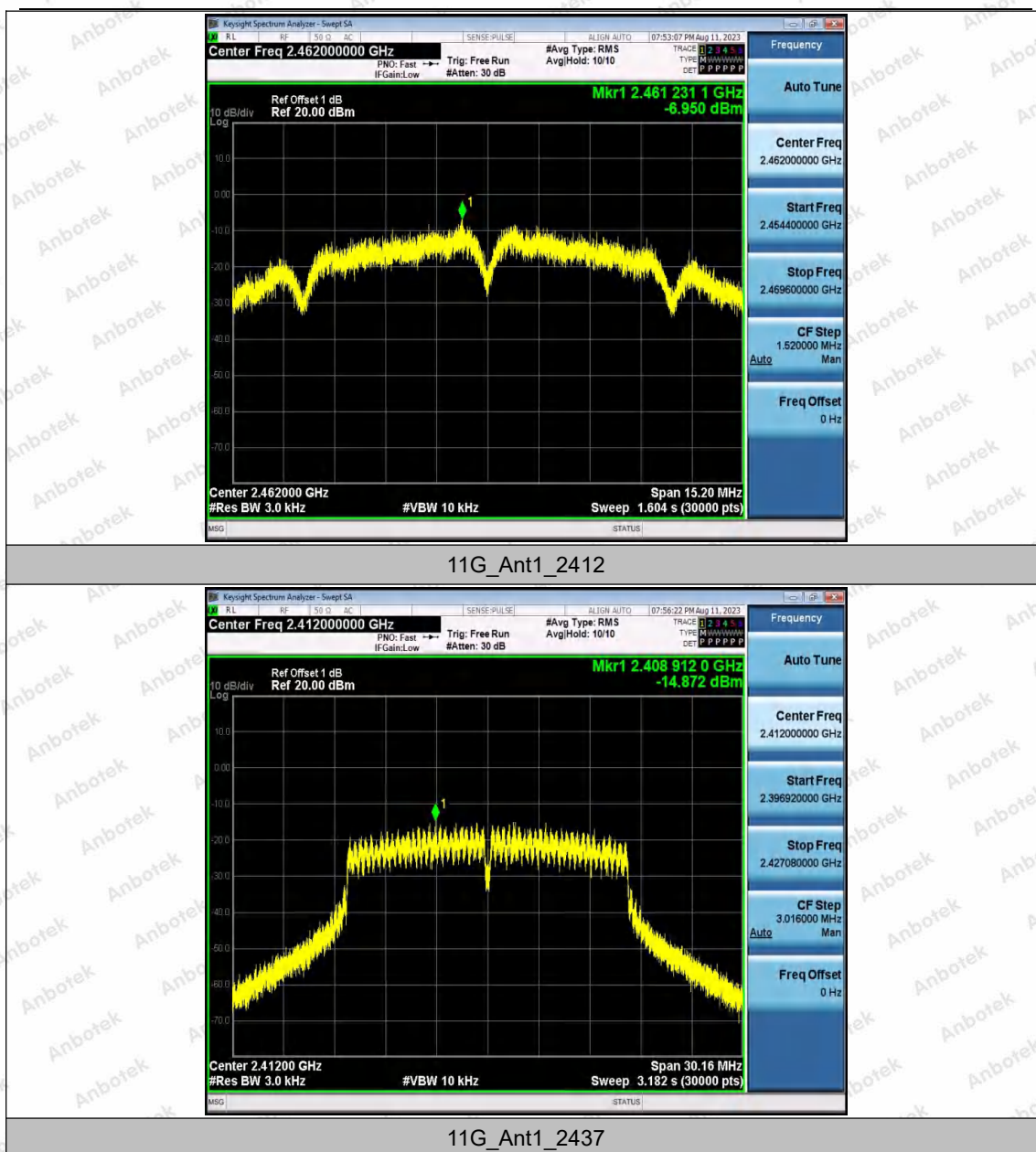
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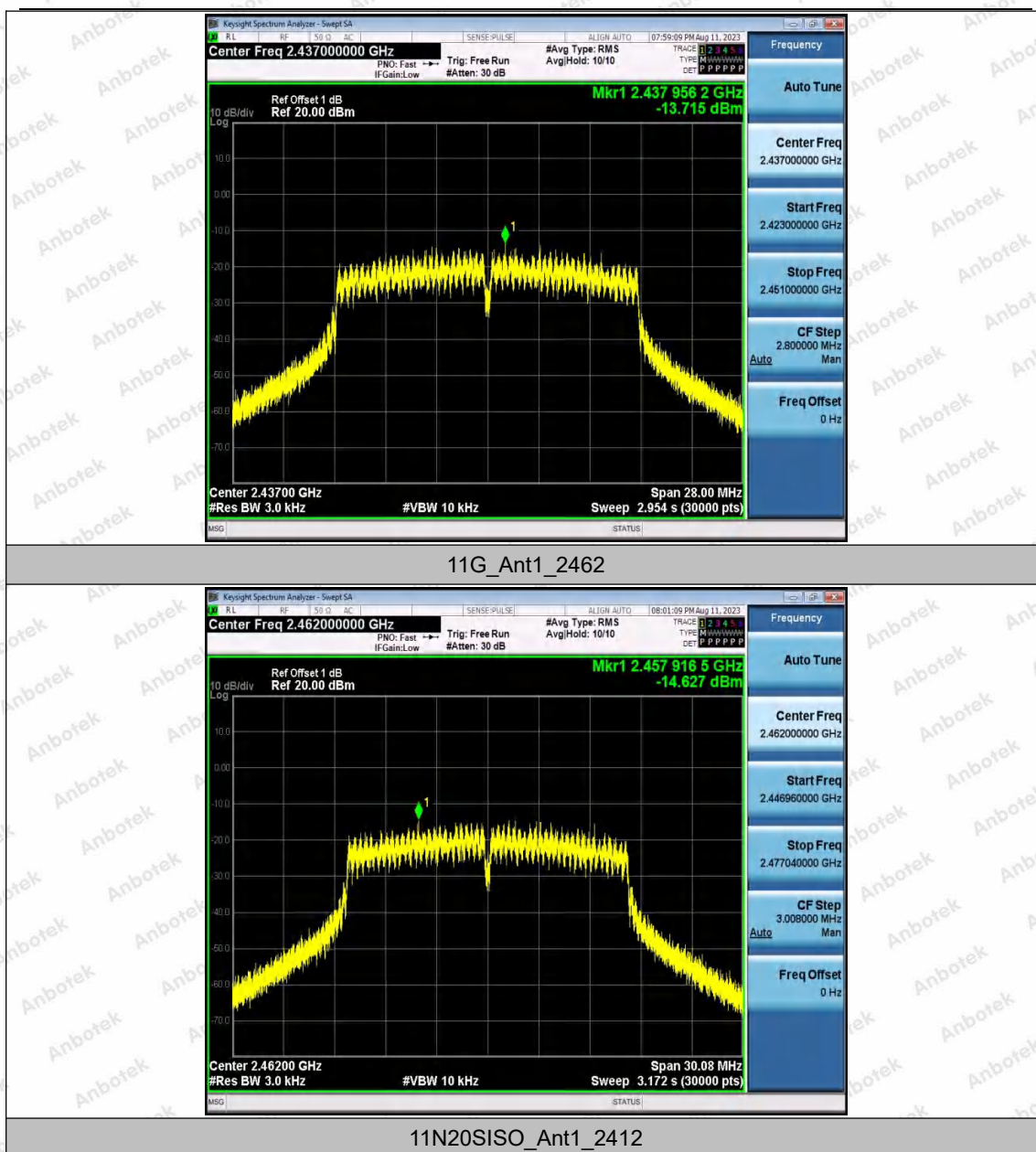
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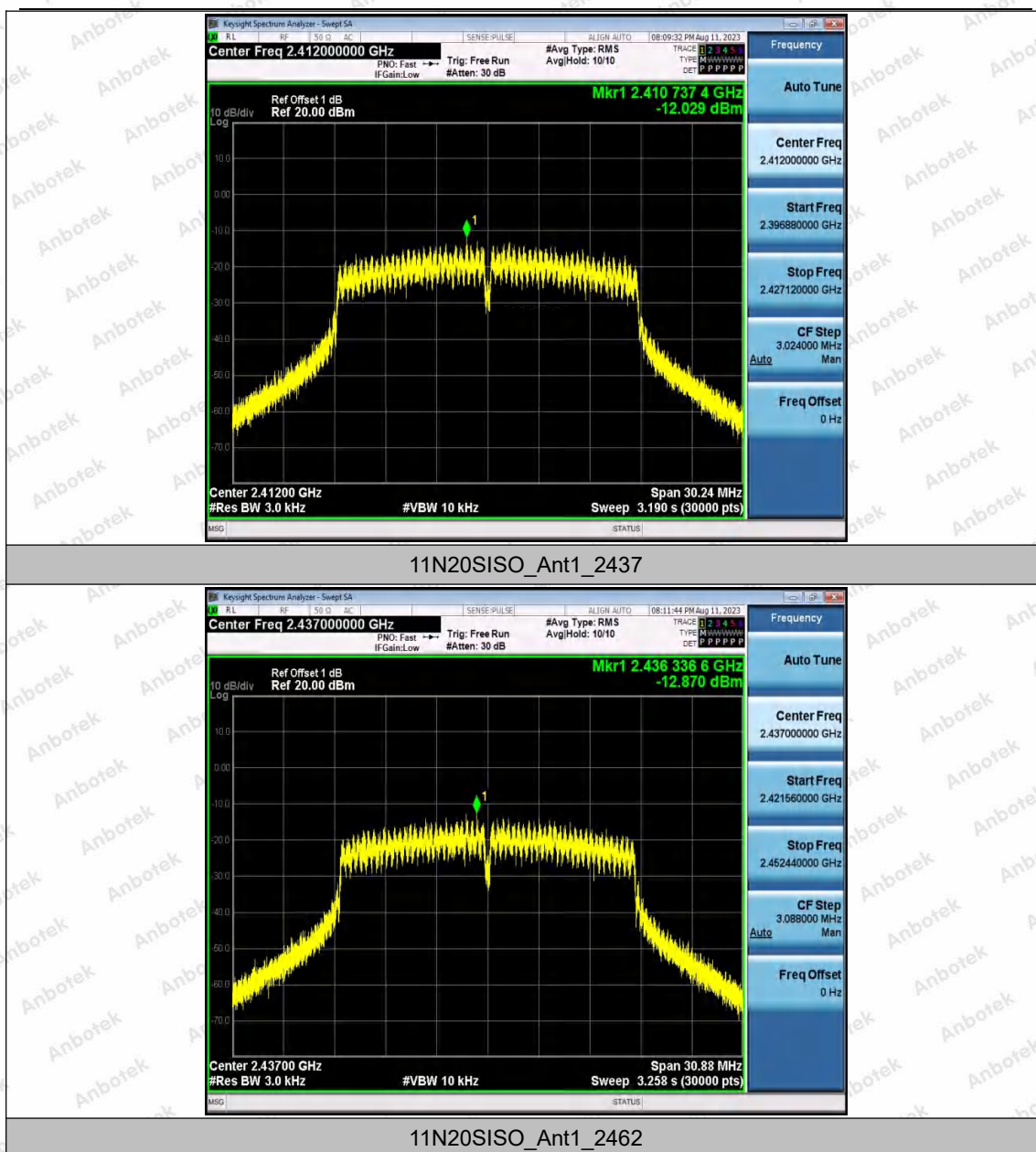
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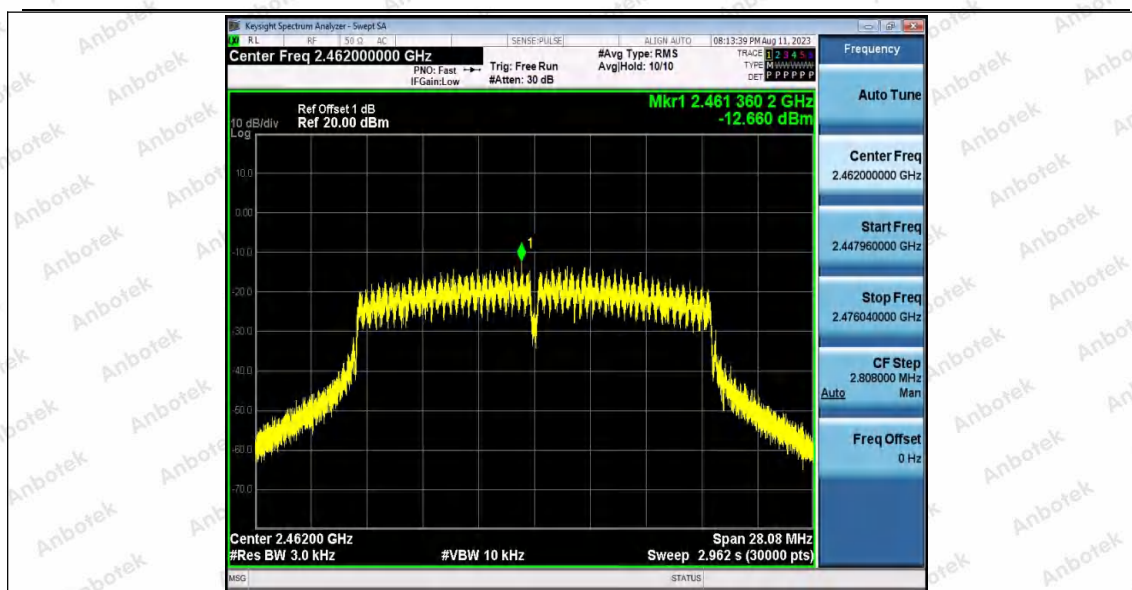
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Appendix E: Band edge measurements

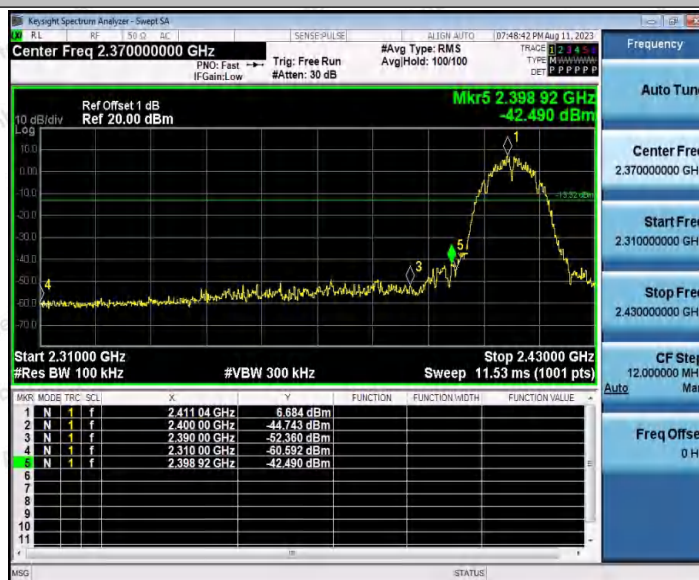
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.68	-42.49	≤-13.32	PASS
		High	2462	6.15	-48.75	≤-13.85	PASS
11G	Ant1	Low	2412	-1.15	-36.22	≤-21.15	PASS
		High	2462	-0.83	-51.36	≤-20.83	PASS
11N20SISO	Ant1	Low	2412	0.98	-34.35	≤-19.02	PASS
		High	2462	1.29	-51.12	≤-18.71	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	5.36	5.36	---	PASS
			30~1000	5.36	-68.88	≤-14.64	PASS
			1000~26500	5.36	-48.8	≤-14.64	PASS
		2437	Reference	4.44	4.44	---	PASS
			30~1000	4.44	-68.97	≤-15.56	PASS
			1000~26500	4.44	-45.93	≤-15.56	PASS
		2462	Reference	5.12	5.12	---	PASS
			30~1000	5.12	-67.91	≤-14.88	PASS
			1000~26500	5.12	-46.04	≤-14.88	PASS
11G	Ant1	2412	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-68.56	≤-21.03	PASS
			1000~26500	-1.03	-49.07	≤-21.03	PASS
		2437	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-69.11	≤-22.7	PASS
			1000~26500	-2.70	-49.58	≤-22.7	PASS
		2462	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-68.92	≤-23.56	PASS
			1000~26500	-3.56	-50.4	≤-23.56	PASS
11N20SISO	Ant1	2412	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-69.25	≤-21.14	PASS
			1000~26500	-1.14	-49.34	≤-21.14	PASS
		2437	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-69.49	≤-22.84	PASS
			1000~26500	-2.84	-49.93	≤-22.84	PASS
		2462	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-68.37	≤-20.54	PASS
			1000~26500	-0.54	-50.52	≤-20.54	PASS



Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

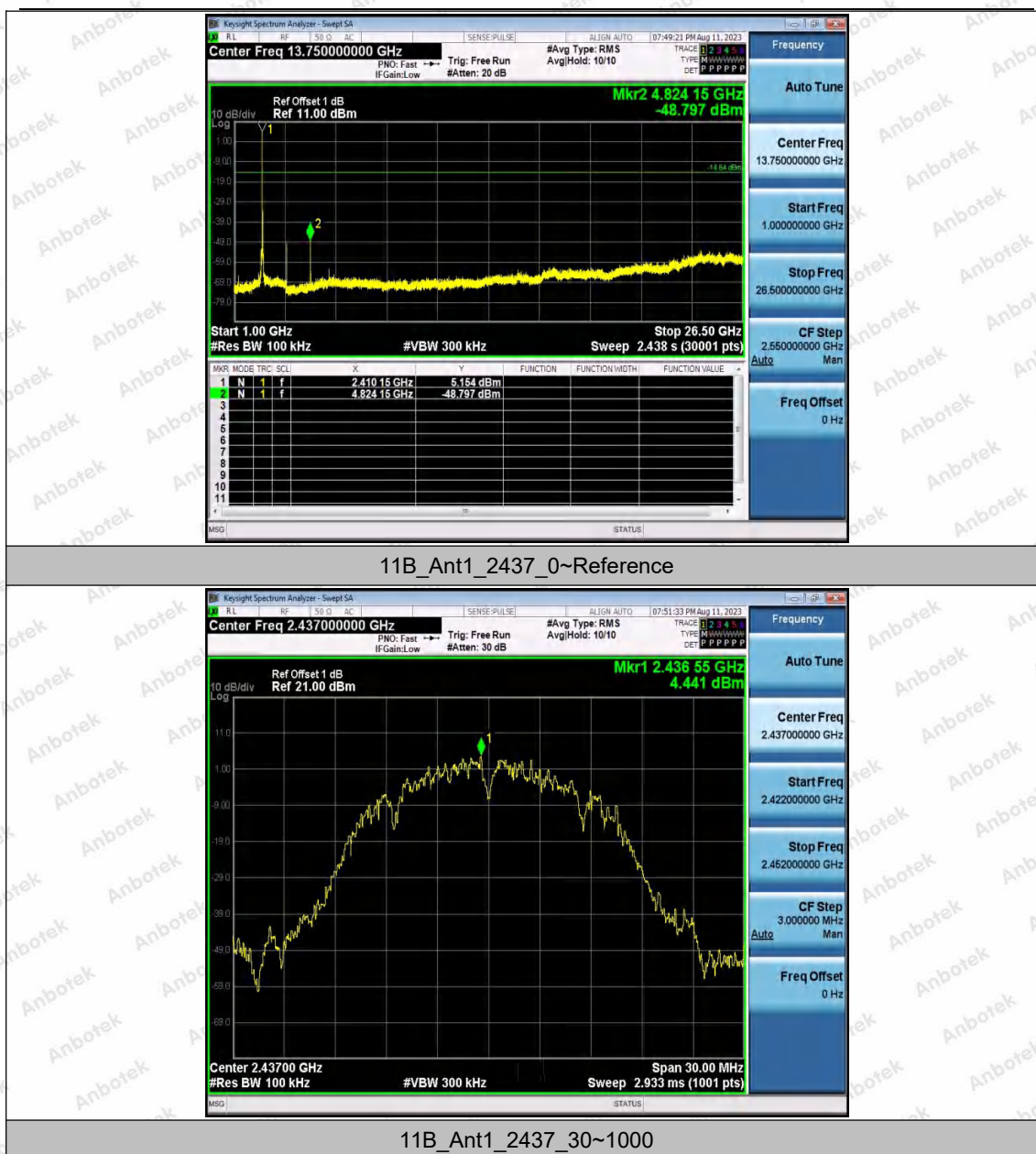
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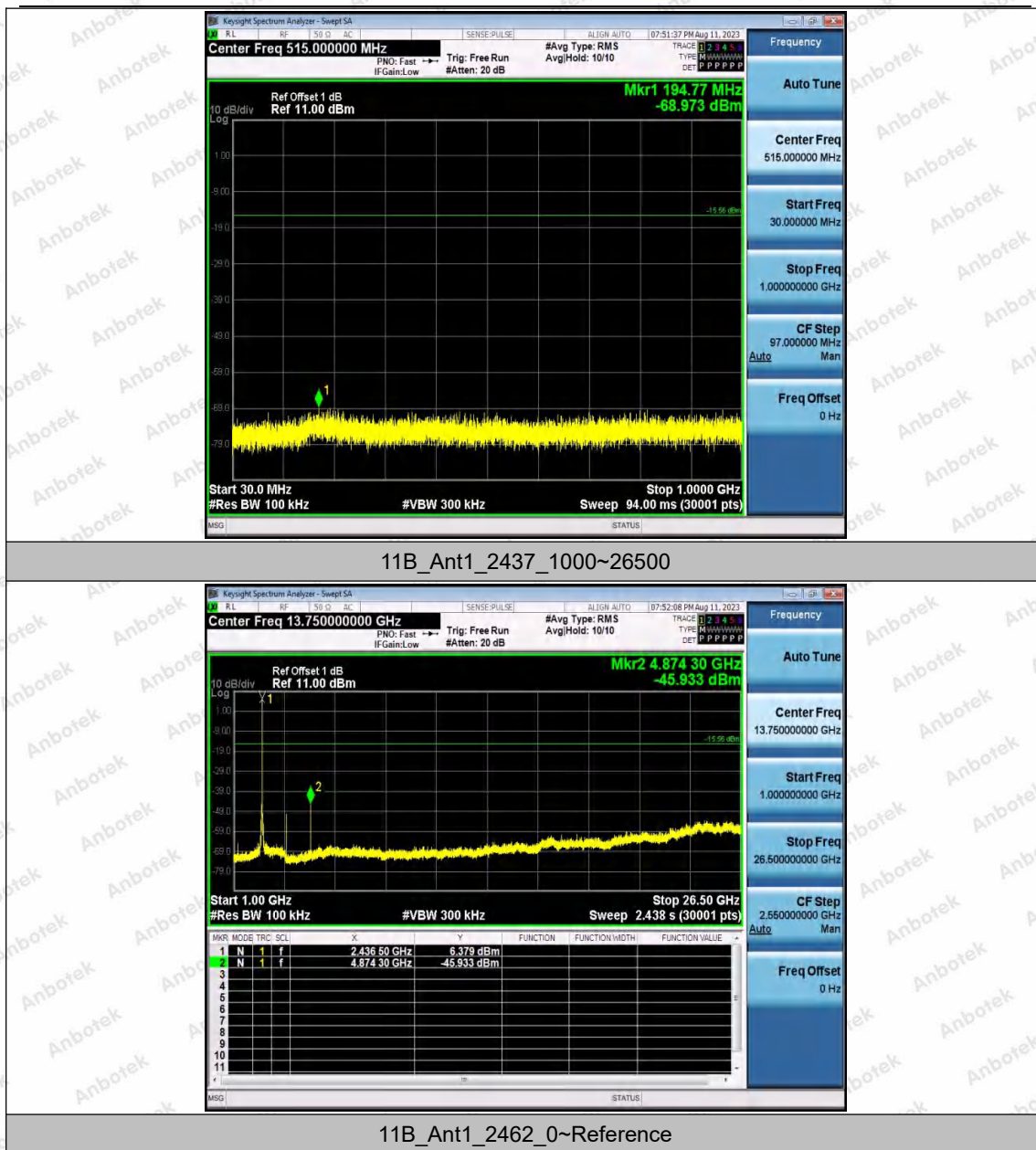
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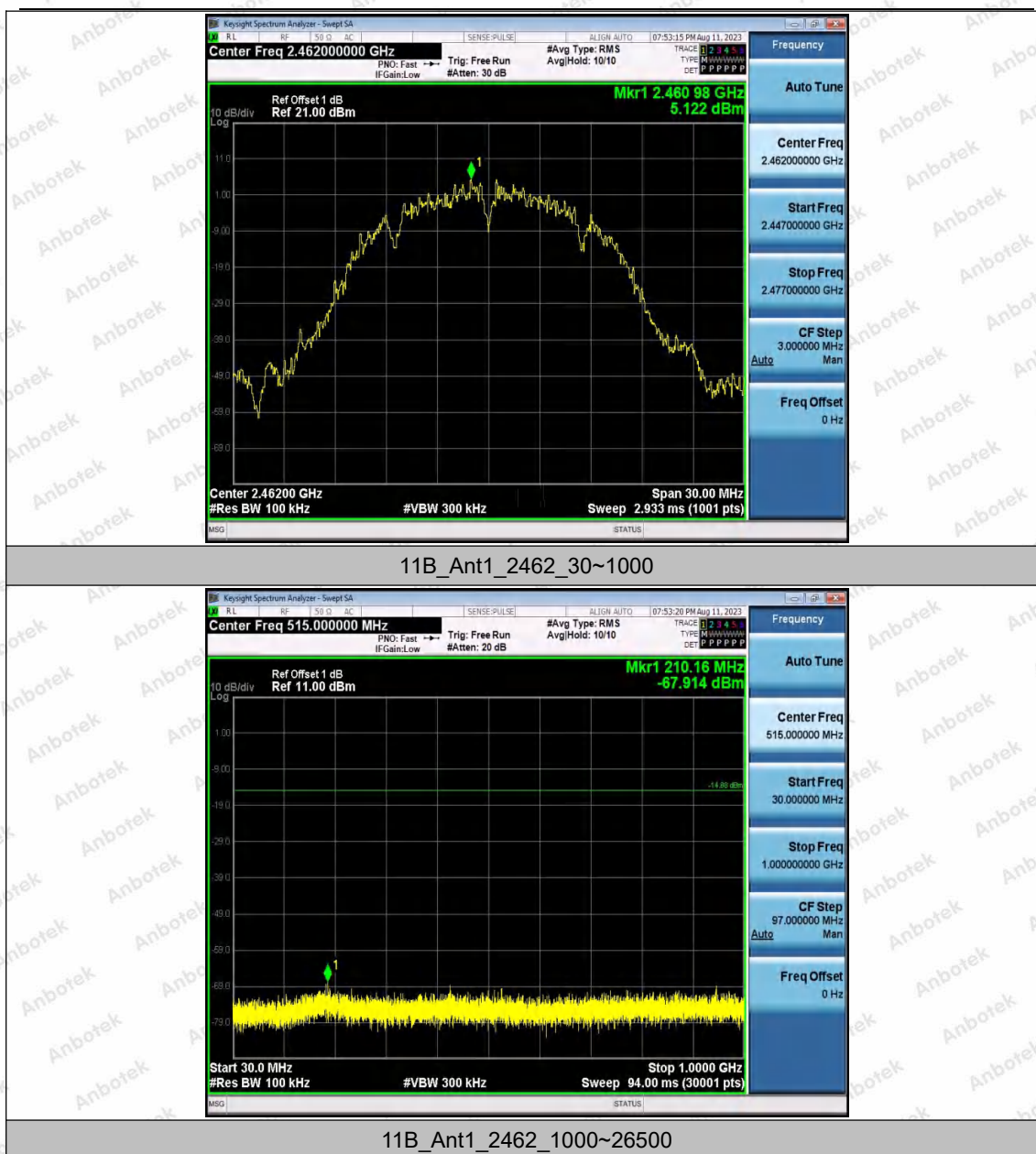
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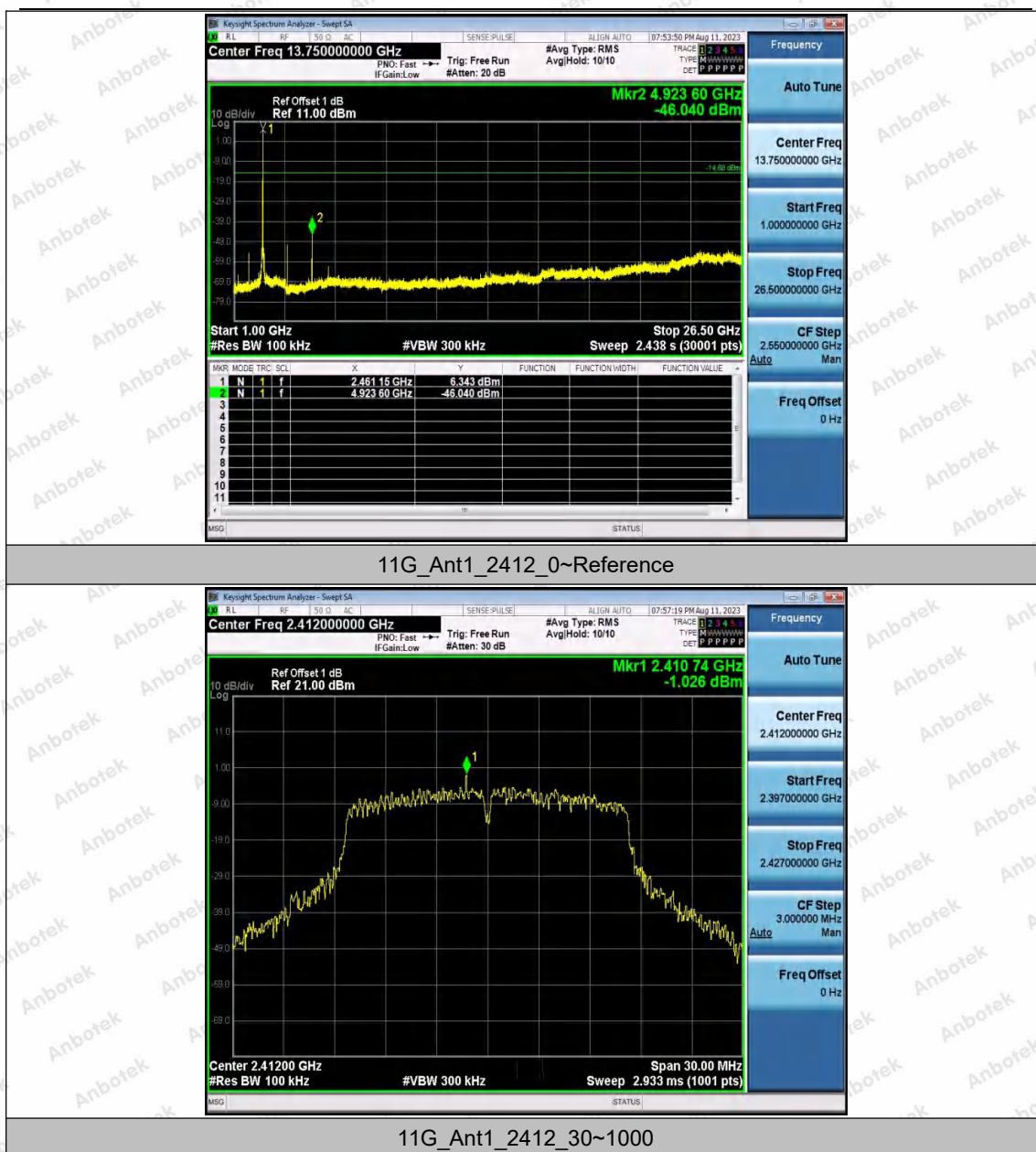
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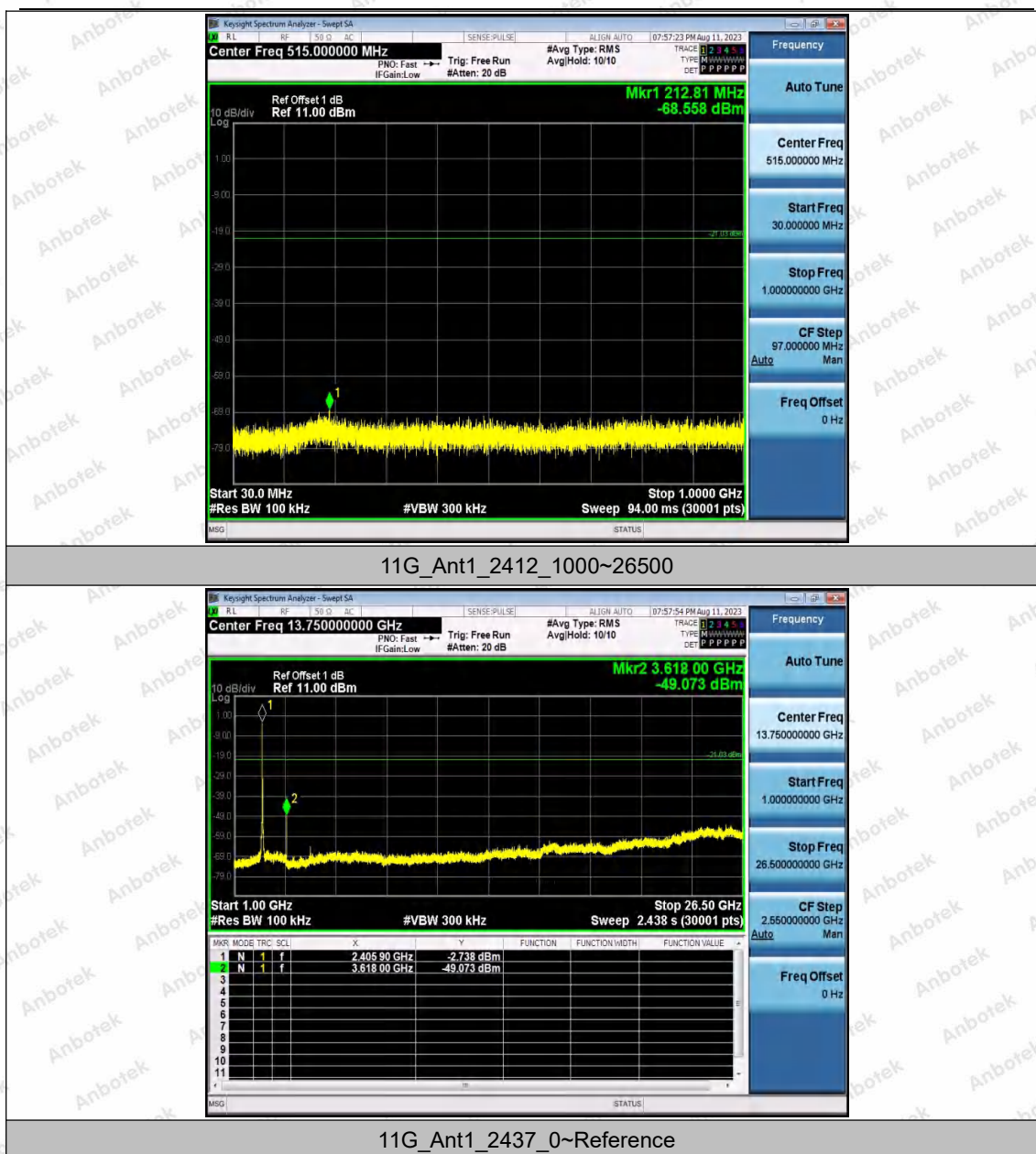
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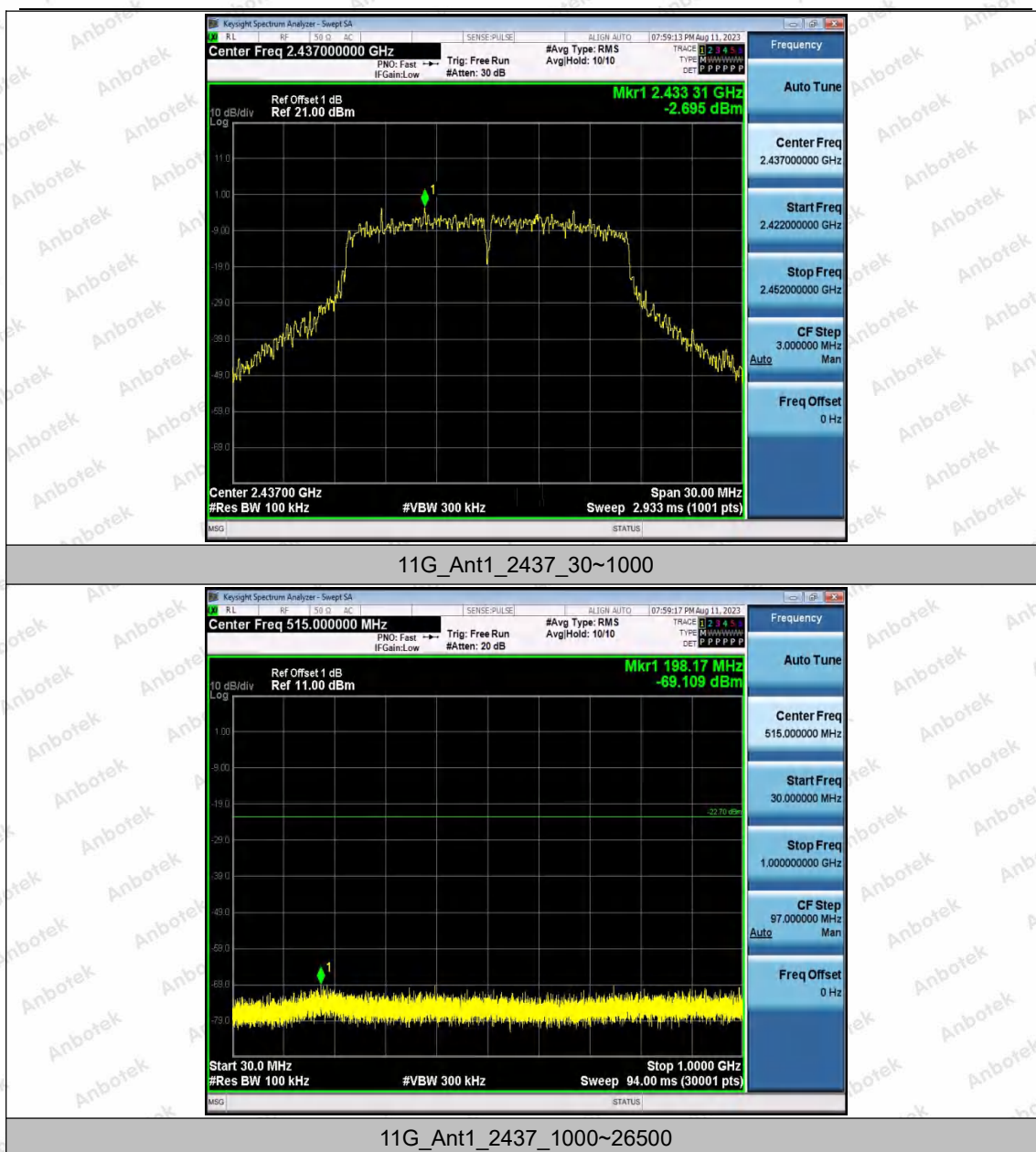
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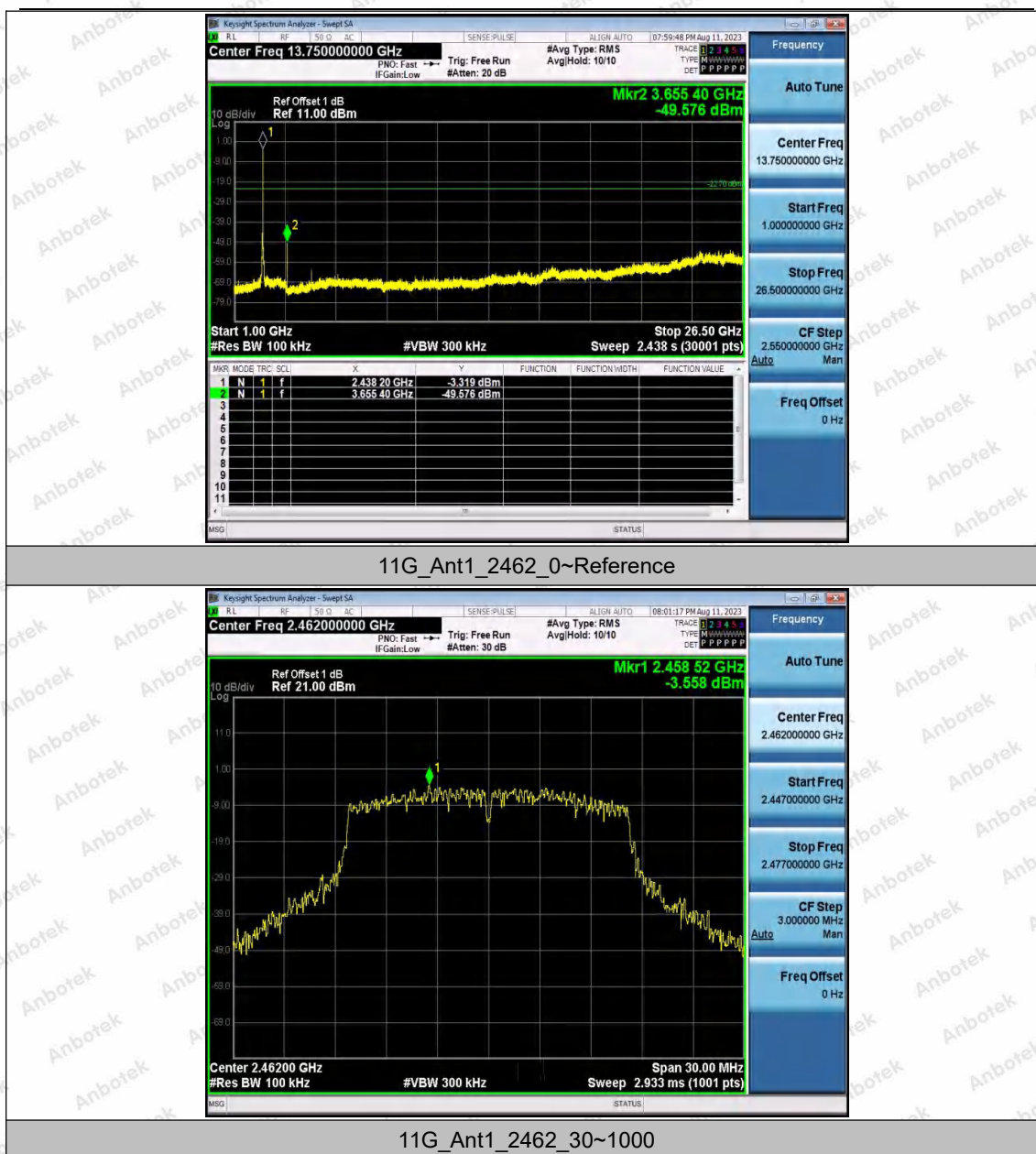
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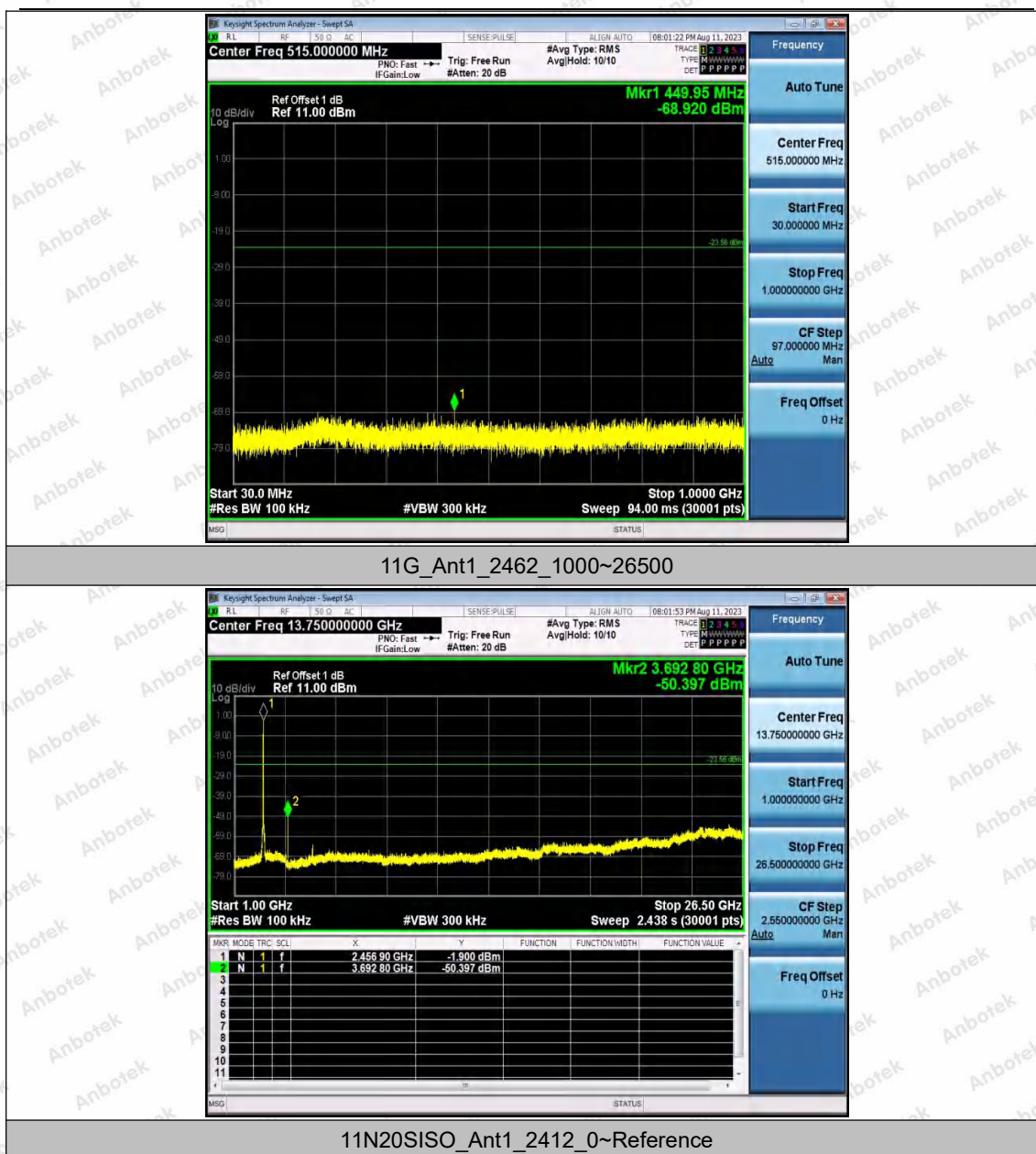
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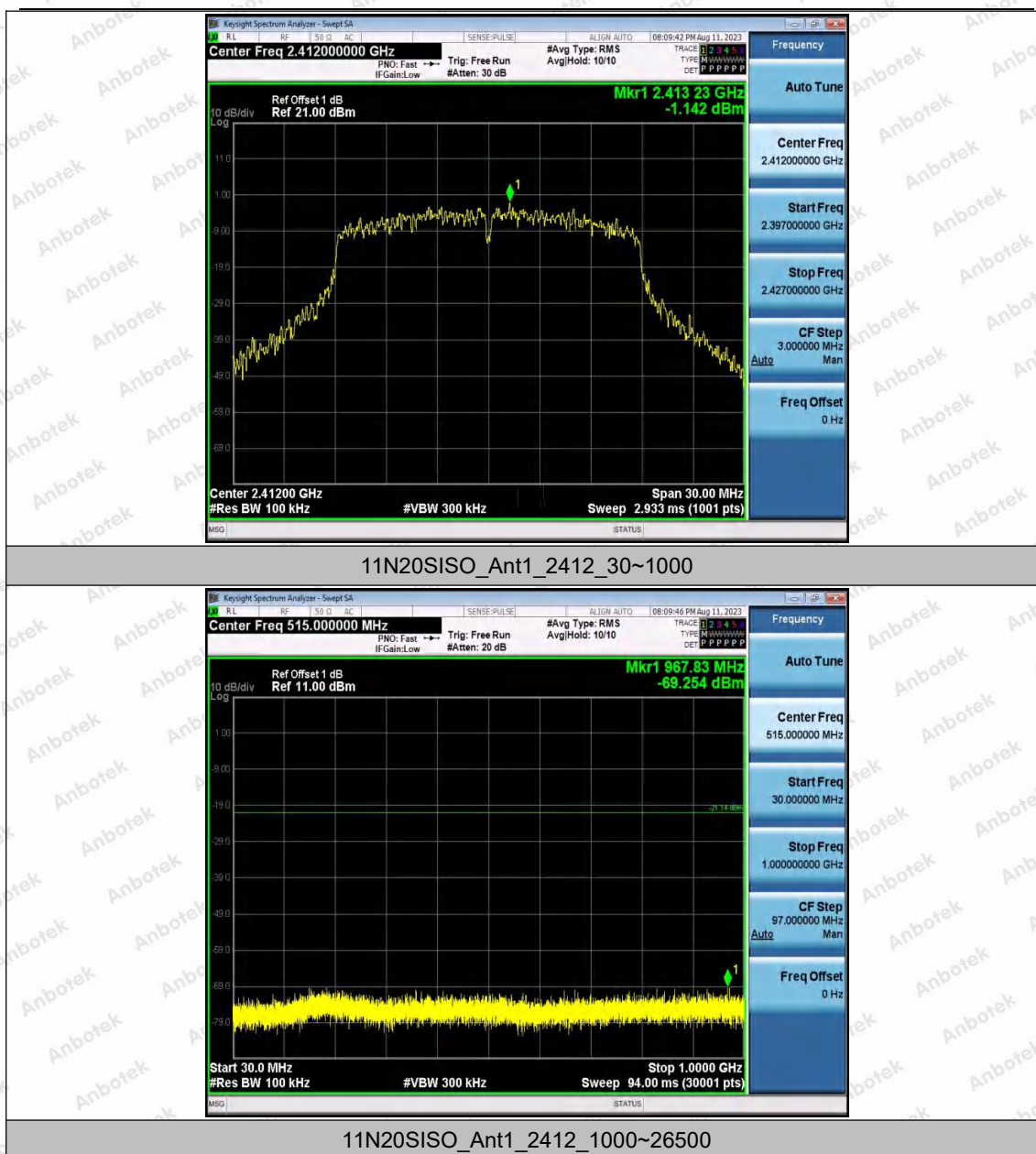
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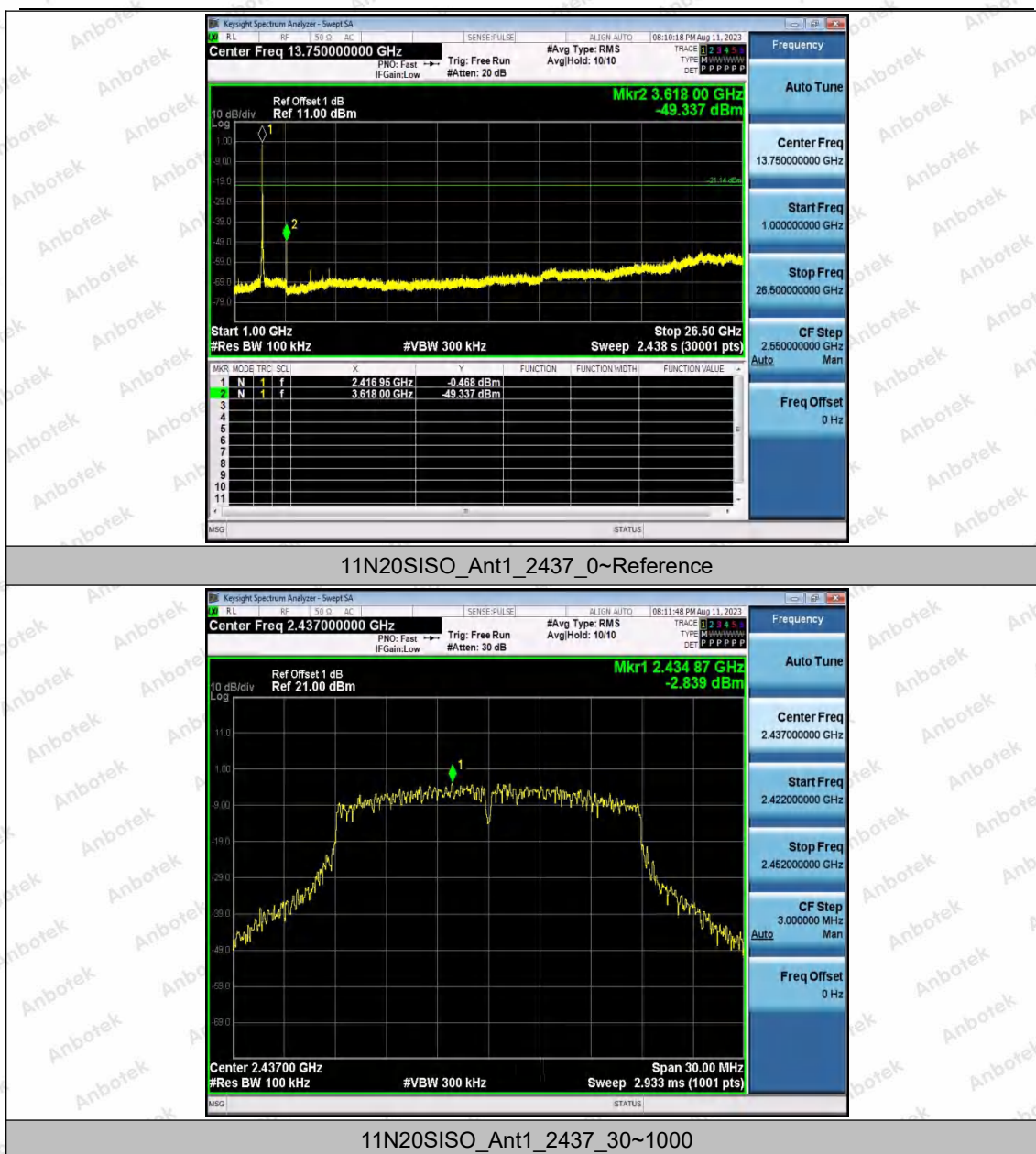
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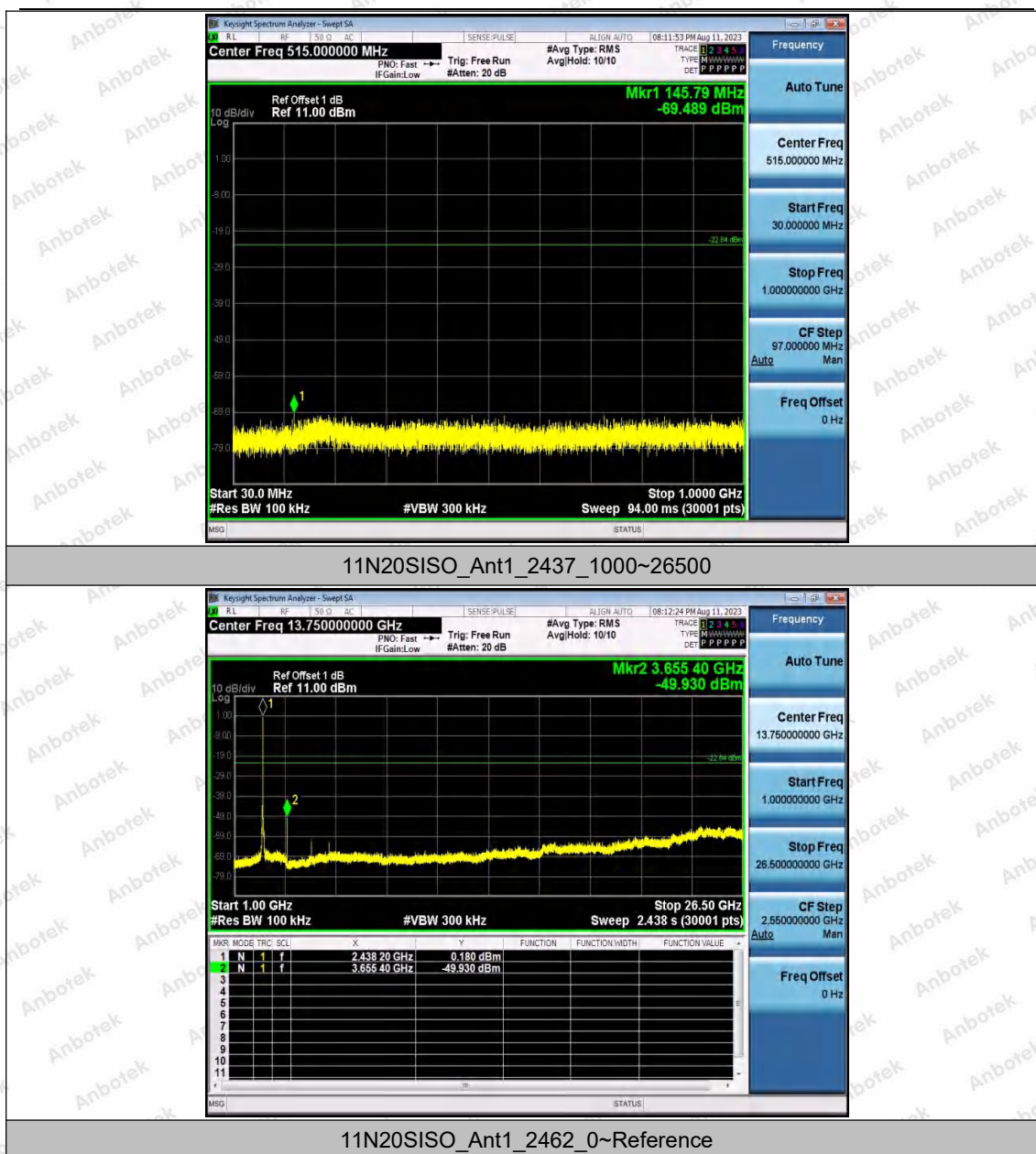
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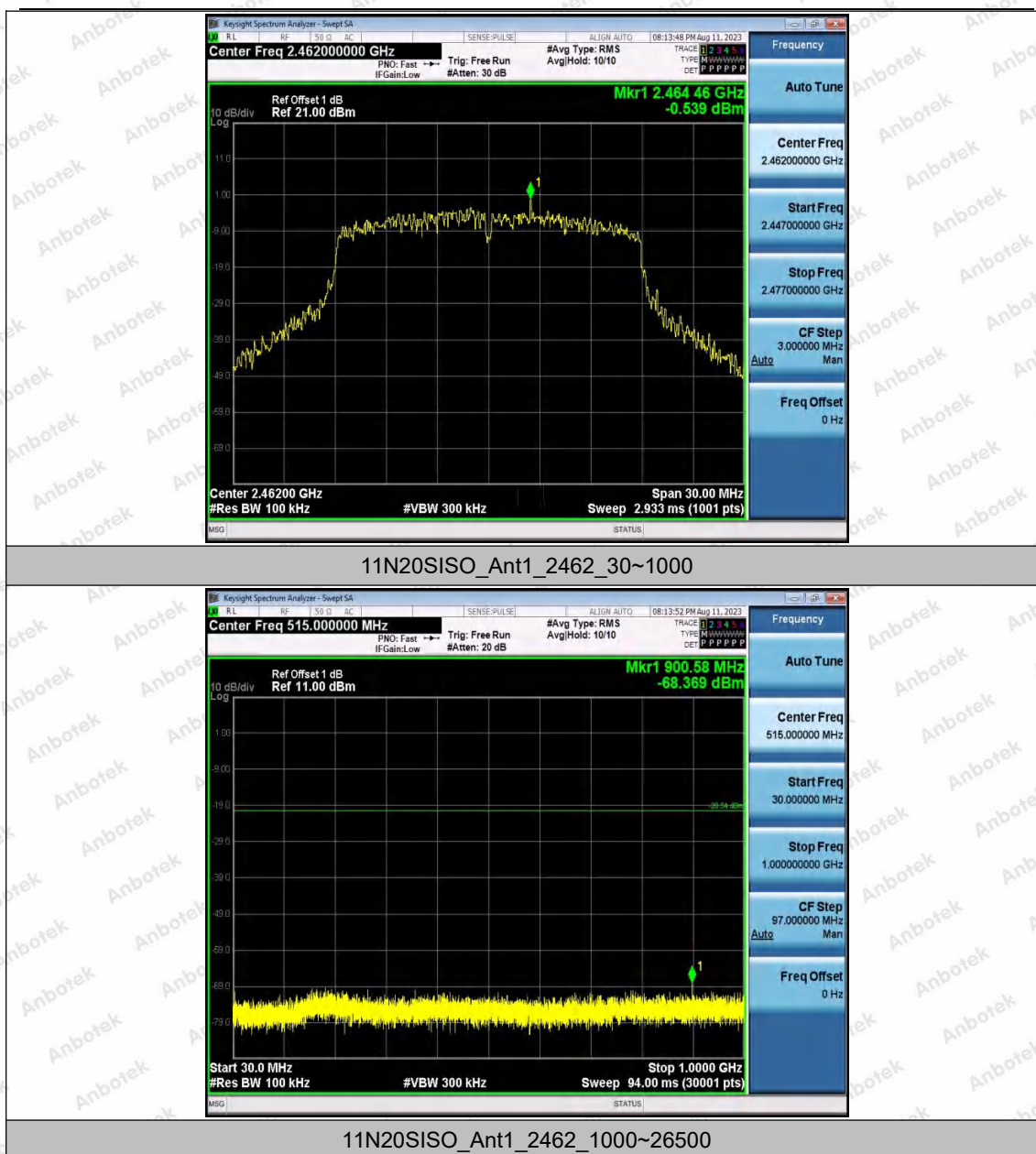
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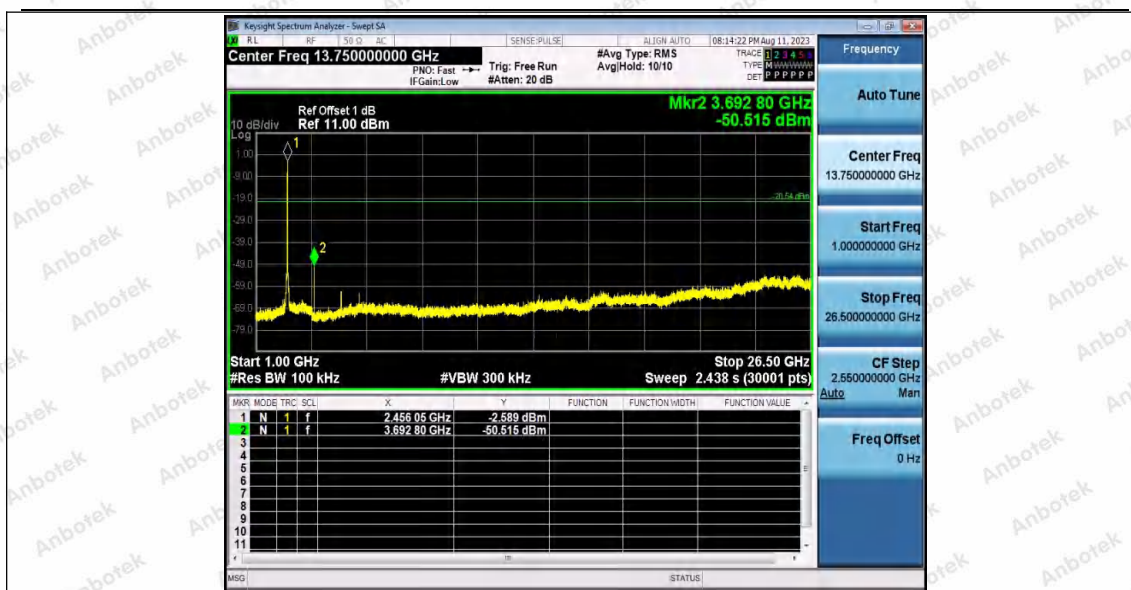
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.60	8.70	98.85	0.05
		2437	8.61	8.70	98.97	0.04
		2462	8.61	8.70	98.97	0.04
11G	Ant1	2412	1.42	1.53	92.81	0.32
		2437	1.43	1.53	93.46	0.29
		2462	1.43	1.53	93.46	0.29
11N20SISO	Ant1	2412	1.34	1.44	93.06	0.31
		2437	1.34	1.44	93.06	0.31
		2462	1.34	1.44	93.06	0.31



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

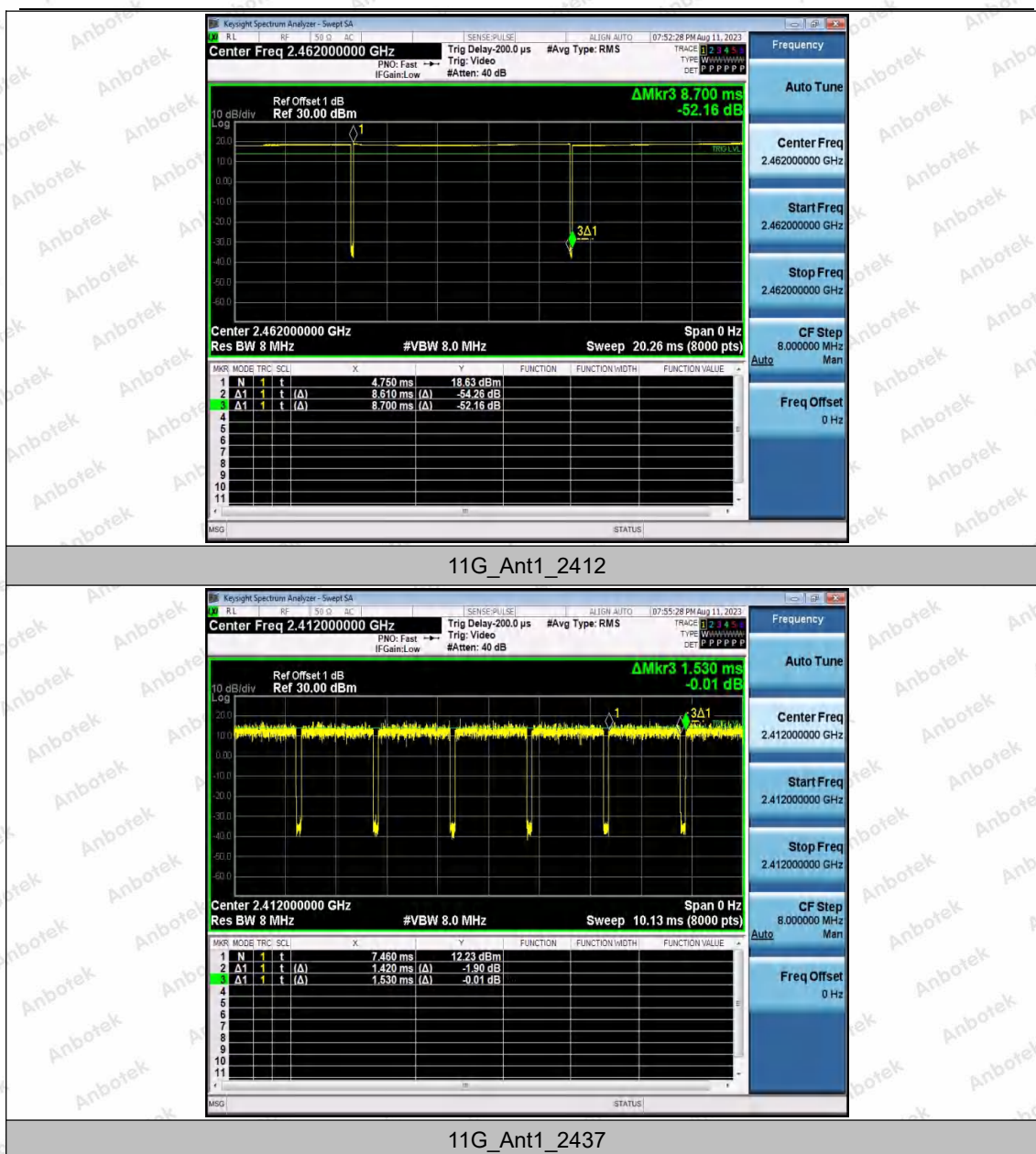
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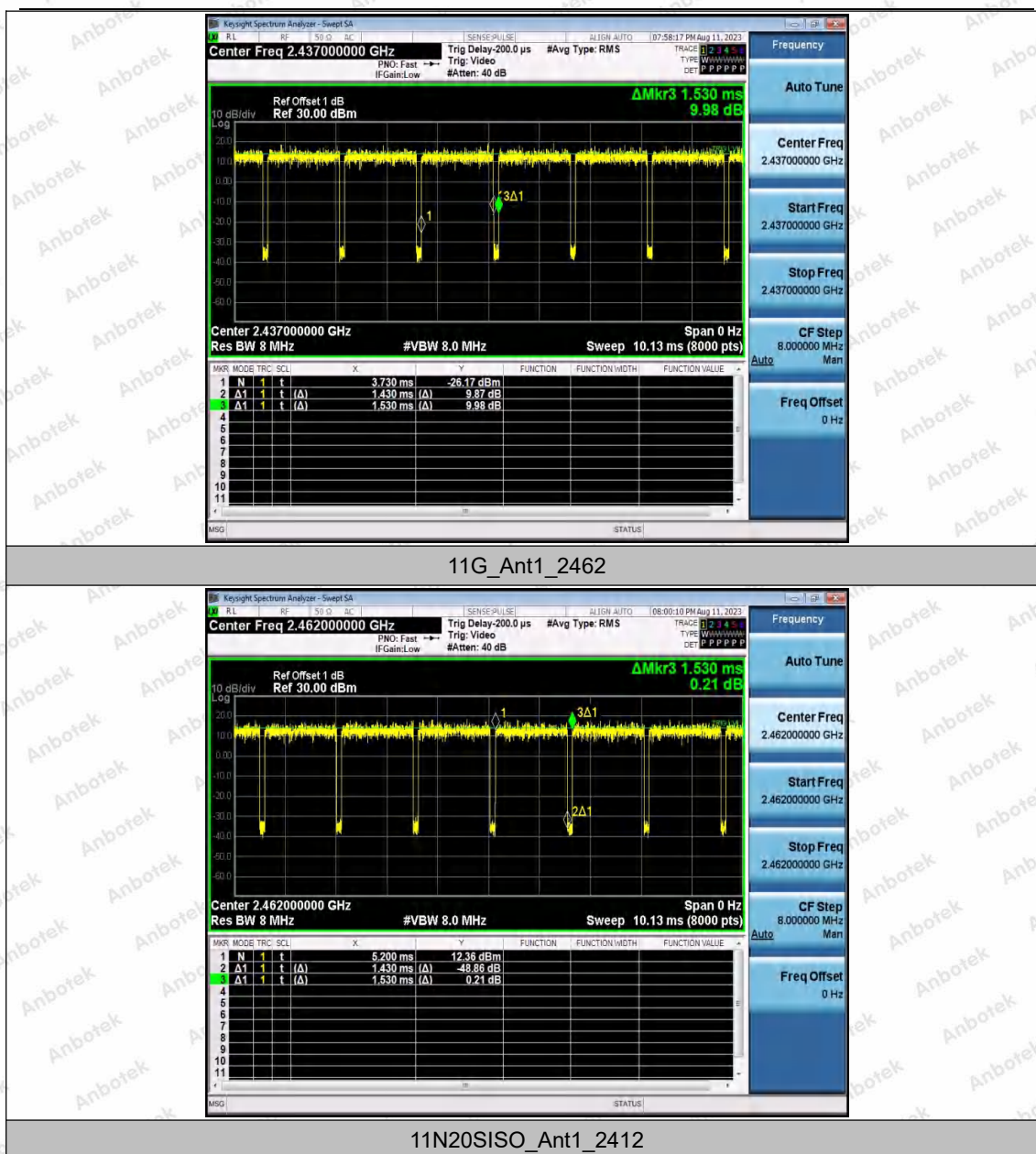
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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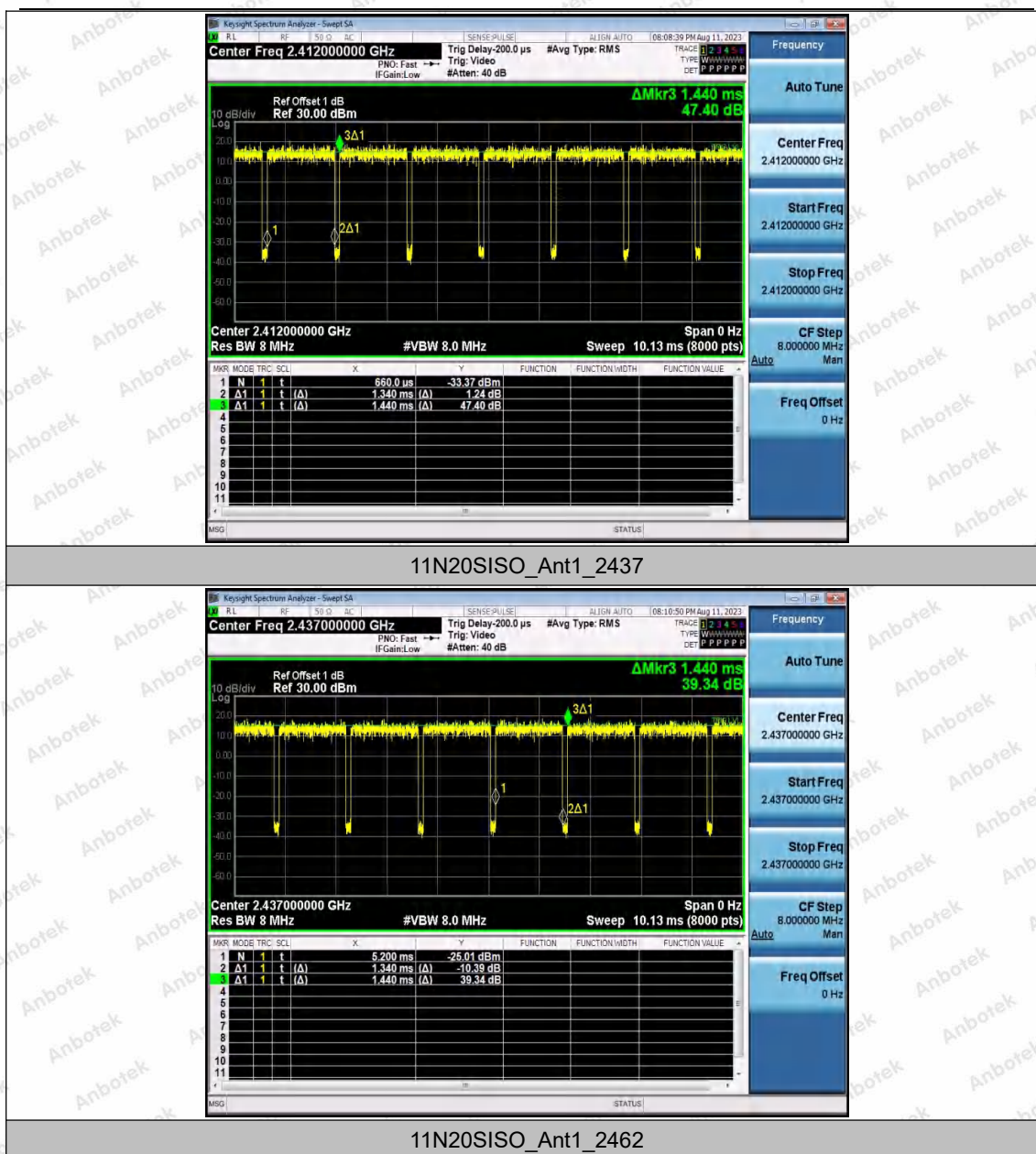
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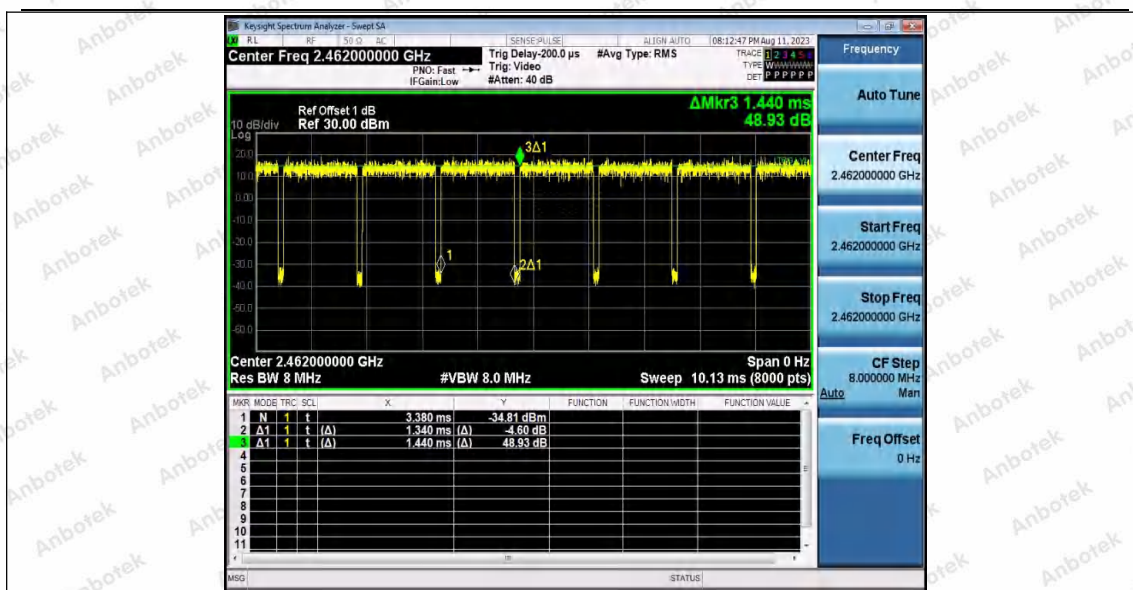
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