

Appendix Test Data

Report No.:	18220WC30047901	Test Sample No.:	1-2-2
Start Test Date:	2023.03.28	Finish Test Date:	2023.04.19
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.3C°	Relative Humidity:	53%
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	8.040	2408.000	2416.040	≥0.5	PASS
		2437	8.520	2432.480	2441.000	≥0.5	PASS
		2462	8.040	2458.000	2466.040	≥0.5	PASS
11G	Ant1	2412	14.800	2404.440	2419.240	≥0.5	PASS
		2437	15.080	2429.480	2444.560	≥0.5	PASS
		2462	15.000	2454.480	2469.480	≥0.5	PASS
11N20SISO	Ant1	2412	15.080	2404.440	2419.520	≥0.5	PASS
		2437	15.040	2429.520	2444.560	≥0.5	PASS
		2462	14.760	2454.760	2469.520	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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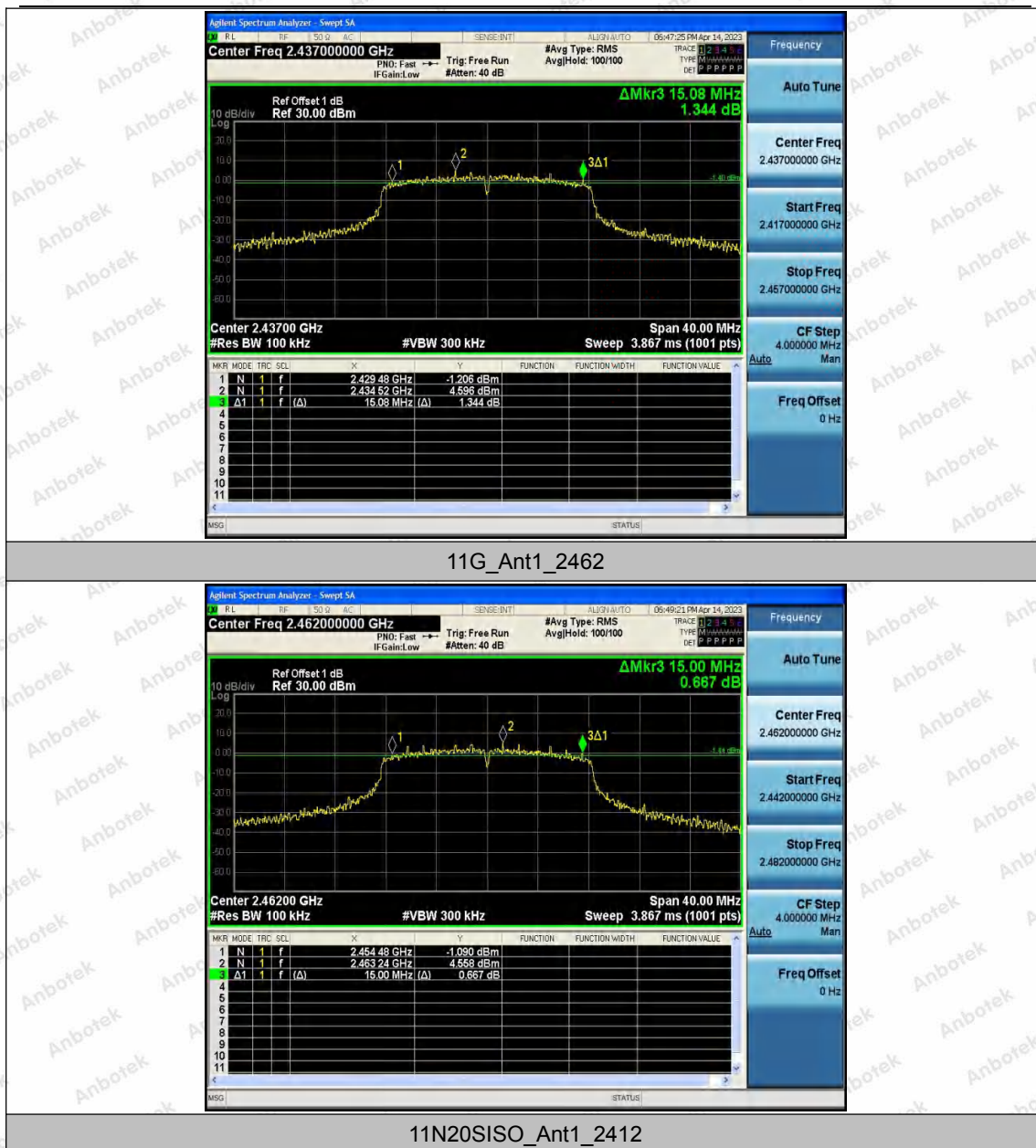
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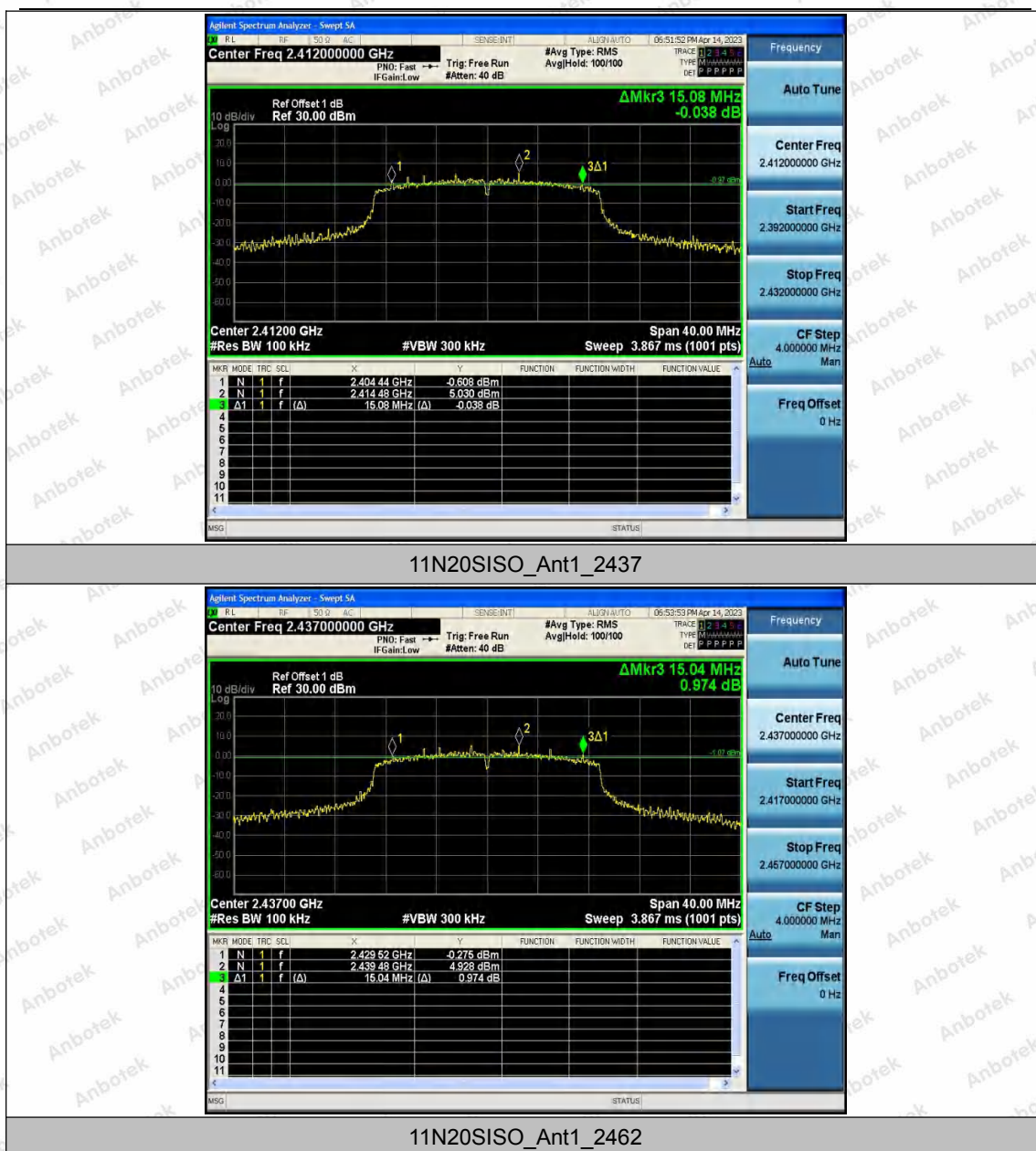


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.188	2404.8952	2419.0832	---	---
		2437	14.143	2429.9240	2444.0670	---	---
		2462	14.210	2454.8251	2469.0351	---	---
11G	Ant1	2412	16.724	2403.6177	2420.3417	---	---
		2437	16.742	2428.6225	2445.3645	---	---
		2462	16.681	2453.5903	2470.2713	---	---
11N20SISO	Ant1	2412	17.803	2403.0934	2420.8964	---	---
		2437	17.851	2428.0253	2445.8763	---	---
		2462	17.693	2453.0958	2470.7888	---	---



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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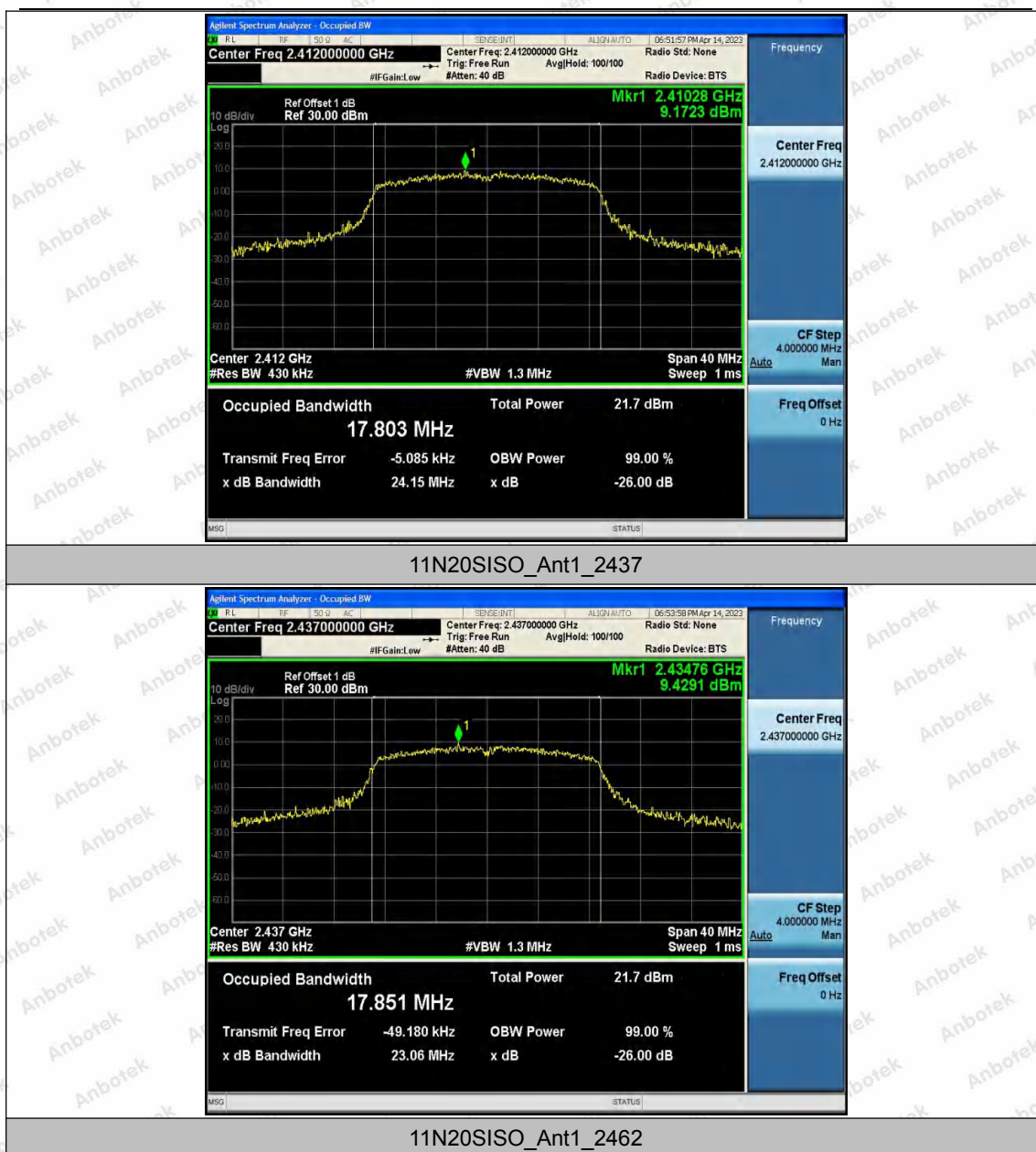
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	20.91	≤30.00
		2437	22.31	≤30.00
		2462	22.11	≤30.00
11G	Ant1	2412	20.63	≤30.00
		2437	22.47	≤30.00
		2462	22.49	≤30.00
11N20SISO	Ant1	2412	20.40	≤30.00
		2437	22.01	≤30.00
		2462	22.01	≤30.00



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.59	≤8.00	PASS
		2437	-3.47	≤8.00	PASS
		2462	-3.03	≤8.00	PASS
11G	Ant1	2412	-11.23	≤8.00	PASS
		2437	-9.24	≤8.00	PASS
		2462	-9.84	≤8.00	PASS
11N20SISO	Ant1	2412	-11.36	≤8.00	PASS
		2437	-9.05	≤8.00	PASS
		2462	-8.98	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

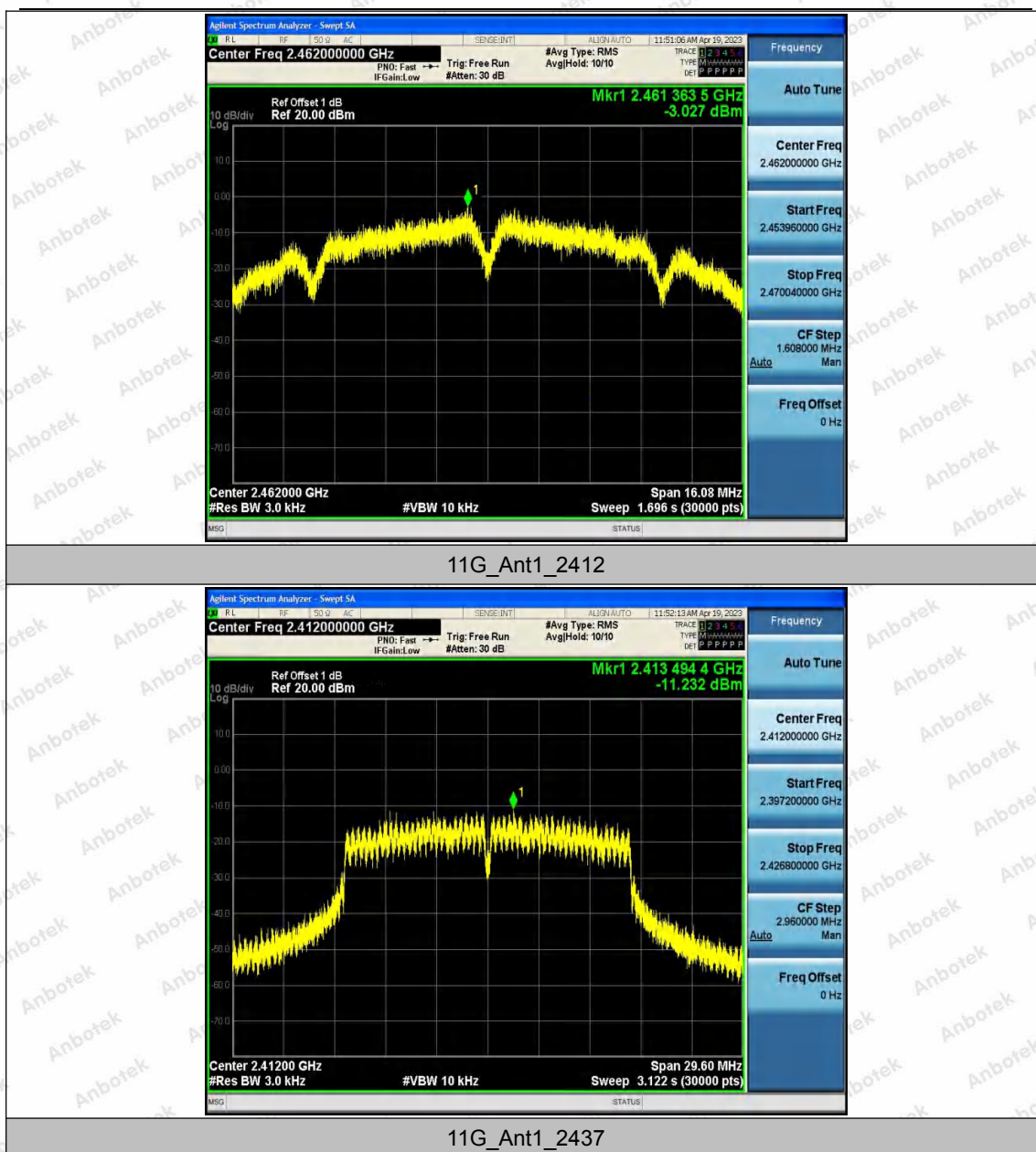
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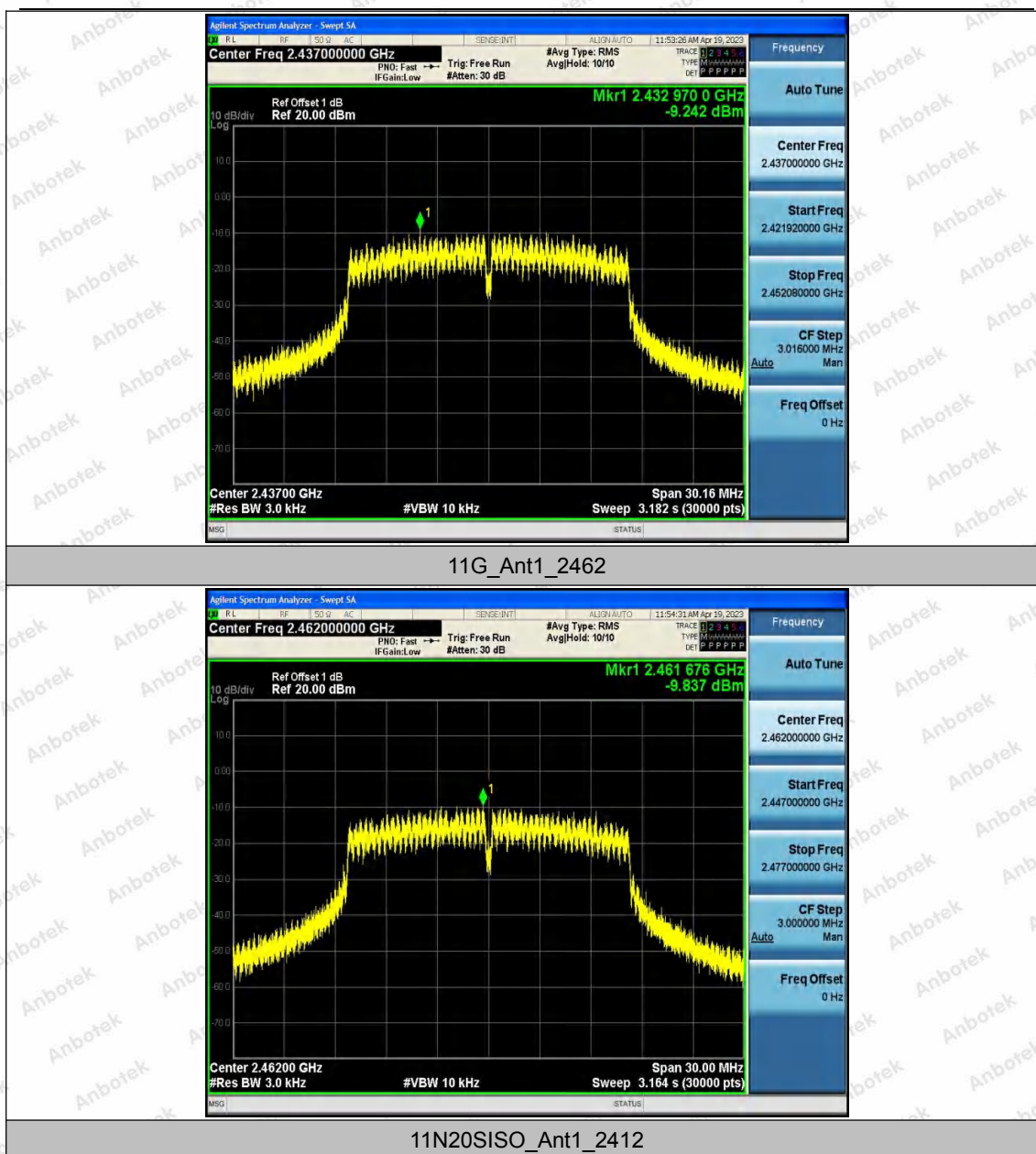
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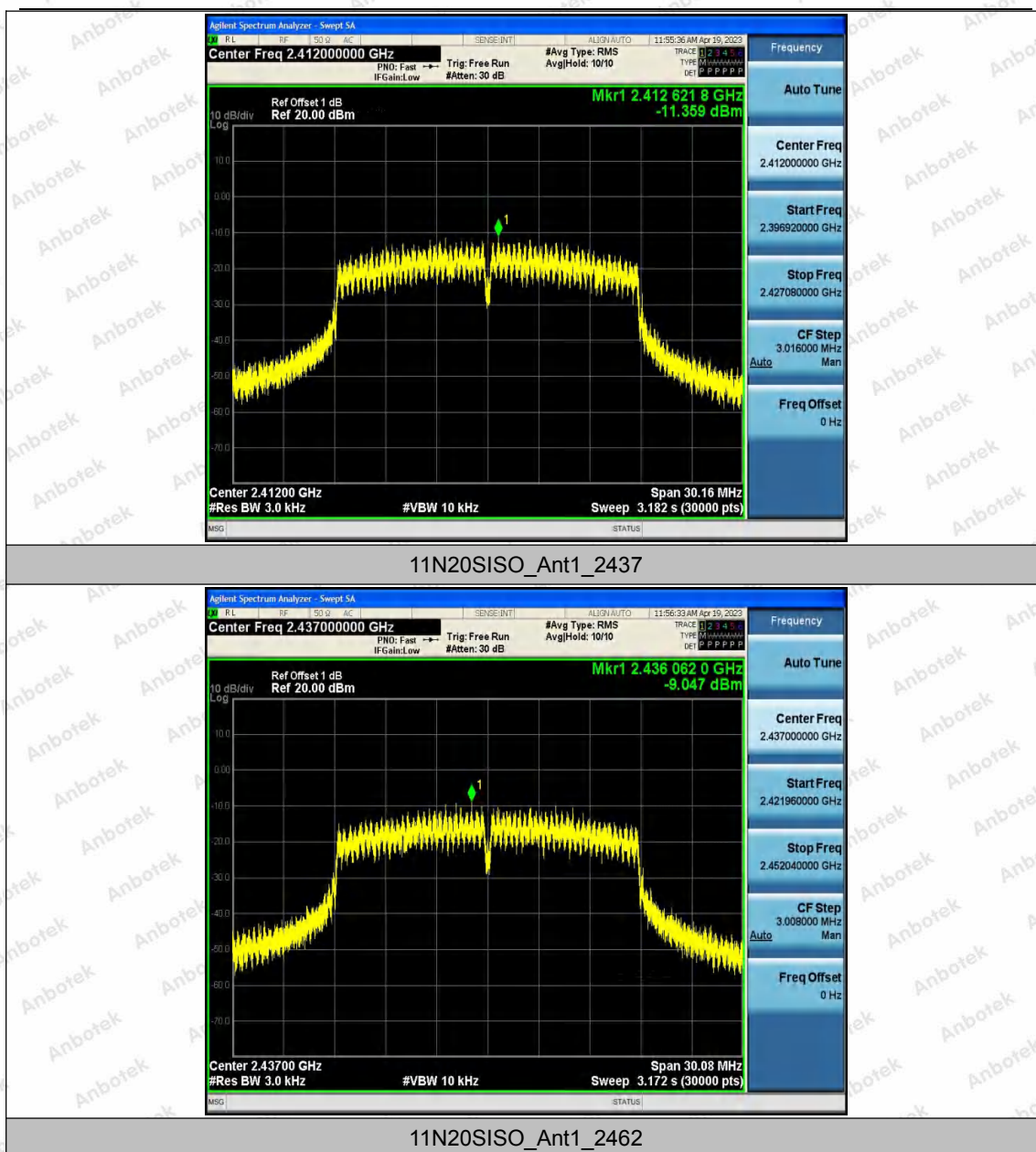
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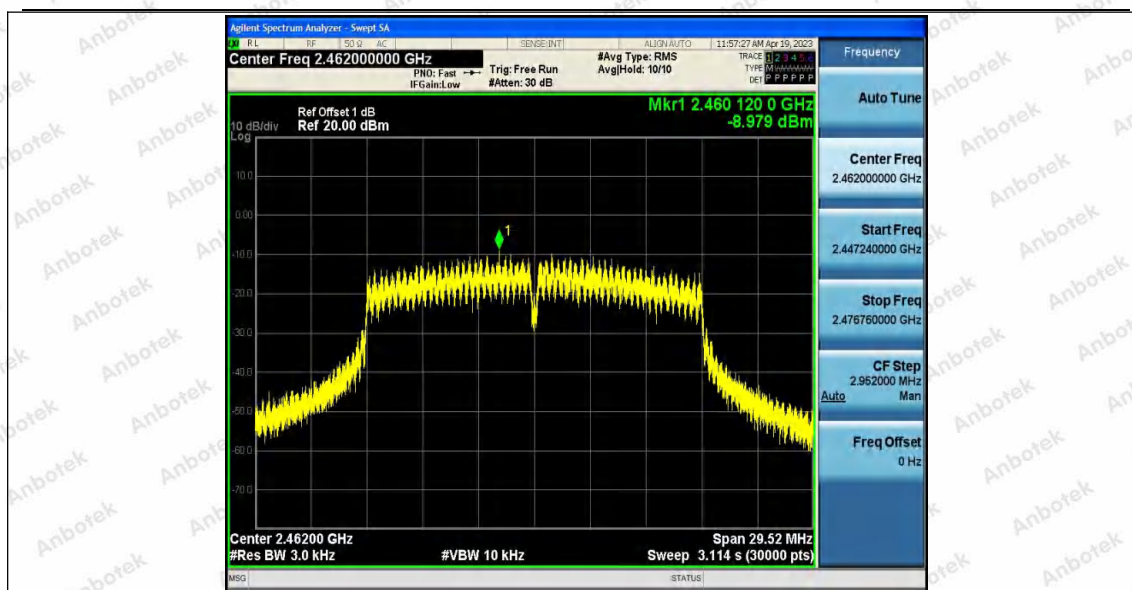
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	11.21	-21.03	≤-8.79	PASS
		High	2462	11.21	-39.17	≤-8.79	PASS
11G	Ant1	Low	2412	4.68	-26.31	≤-15.32	PASS
		High	2462	4.50	-37.24	≤-15.5	PASS
11N20SISO	Ant1	Low	2412	4.76	-25.03	≤-15.24	PASS
		High	2462	4.52	-38.61	≤-15.48	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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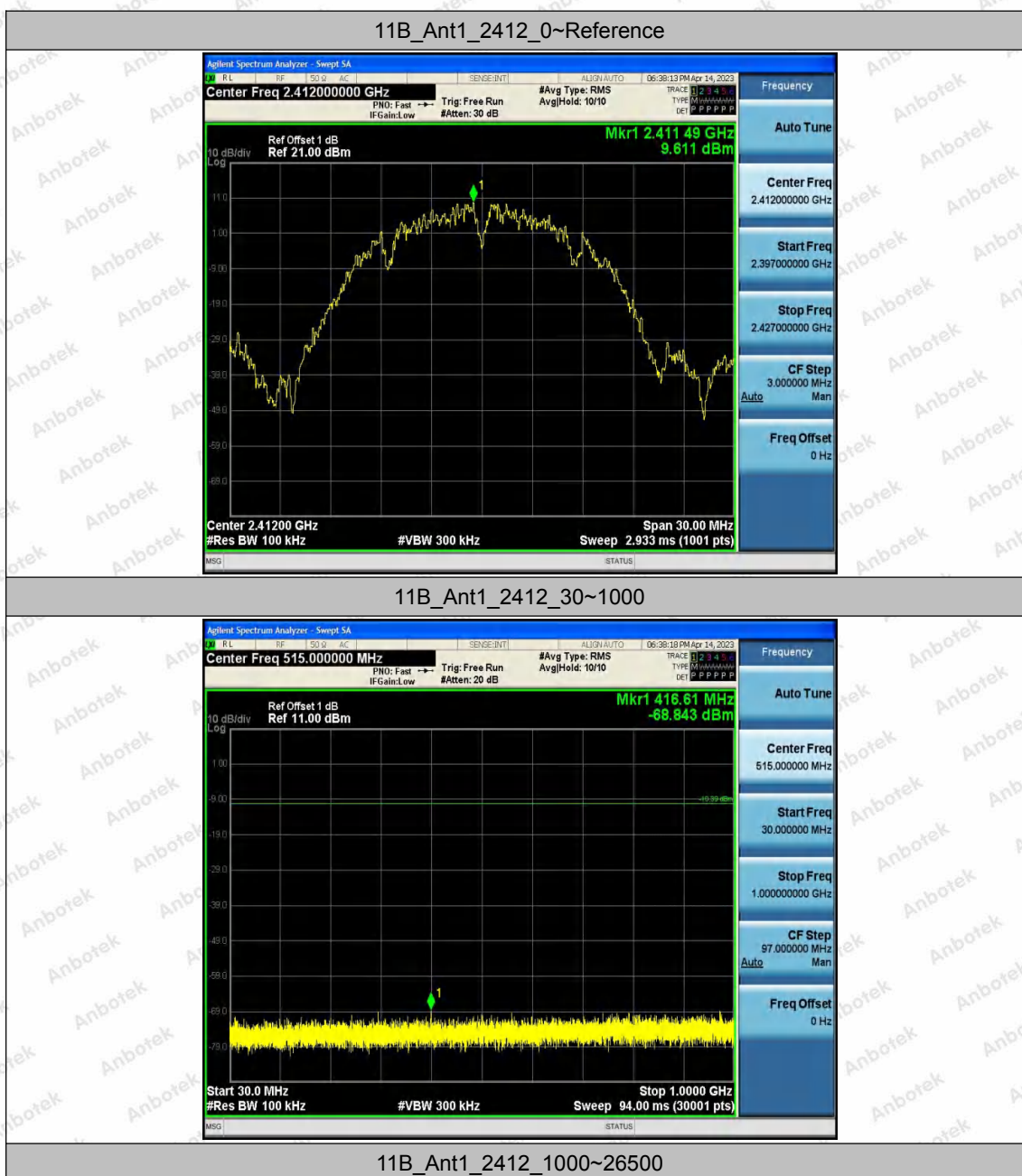
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.61	9.61	---	PASS
			30~1000	9.61	-68.84	≤-10.39	PASS
			1000~26500	9.61	-48.57	≤-10.39	PASS
		2437	Reference	11.56	11.56	---	PASS
			30~1000	11.56	-67.77	≤-8.44	PASS
			1000~26500	11.56	-54.8	≤-8.44	PASS
		2462	Reference	11.04	11.04	---	PASS
			30~1000	11.04	-68.53	≤-8.96	PASS
			1000~26500	11.04	-53.6	≤-8.96	PASS
11G	Ant1	2412	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-69.26	≤-18.5	PASS
			1000~26500	1.50	-54.91	≤-18.5	PASS
		2437	Reference	1.93	1.93	---	PASS
			30~1000	1.93	-68.93	≤-18.07	PASS
			1000~26500	1.93	-54.59	≤-18.07	PASS
		2462	Reference	1.34	1.34	---	PASS
			30~1000	1.34	-68.39	≤-18.66	PASS
			1000~26500	1.34	-54.26	≤-18.66	PASS
11N20SISO	Ant1	2412	Reference	2.90	2.90	---	PASS
			30~1000	2.90	-68.99	≤-17.1	PASS
			1000~26500	2.90	-53.68	≤-17.1	PASS
		2437	Reference	3.80	3.80	---	PASS
			30~1000	3.80	-69.14	≤-16.2	PASS
			1000~26500	3.80	-54	≤-16.2	PASS
		2462	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-69.32	≤-15.4	PASS
			1000~26500	4.60	-54.93	≤-15.4	PASS



Test Graphs



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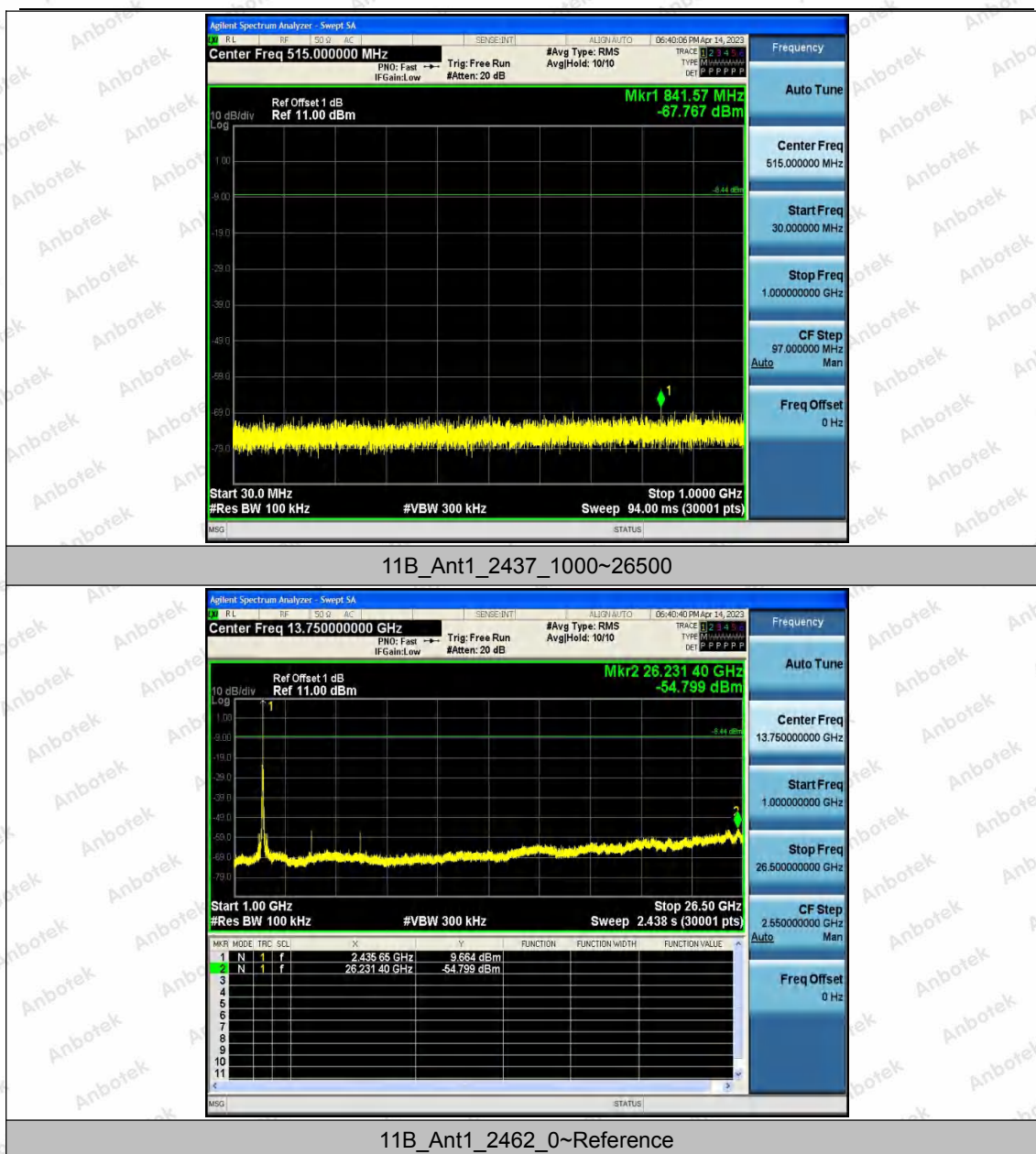
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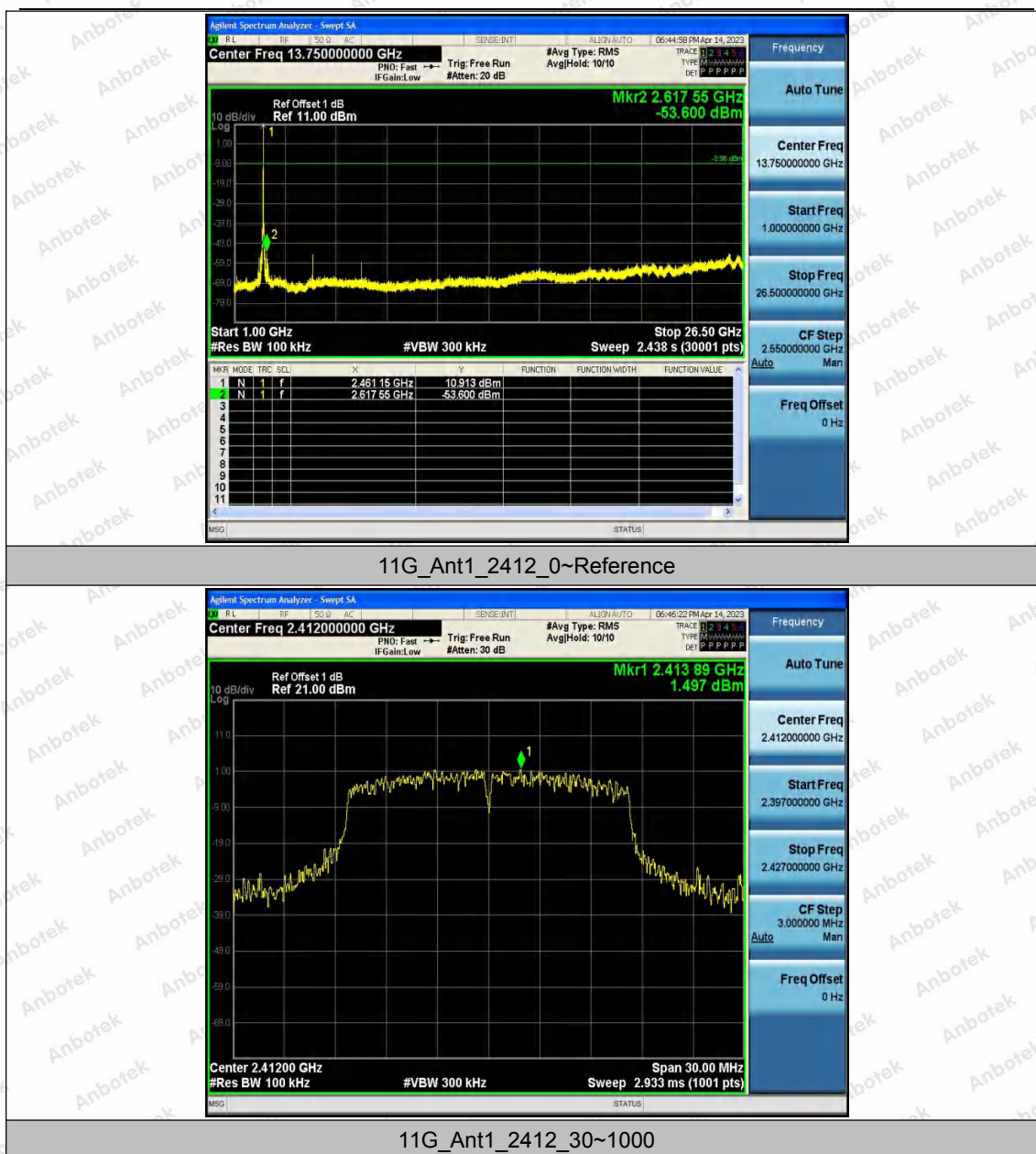
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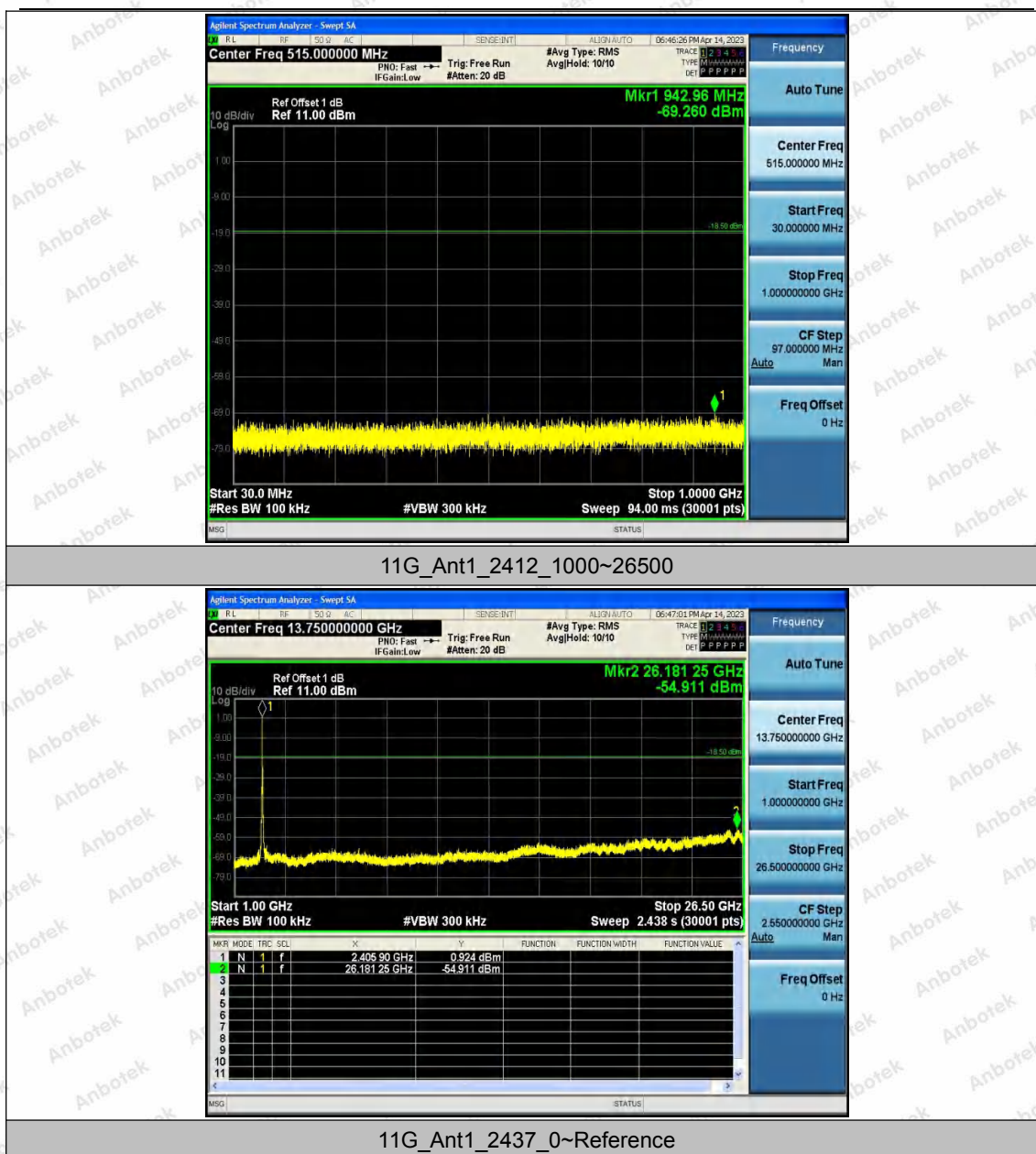
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

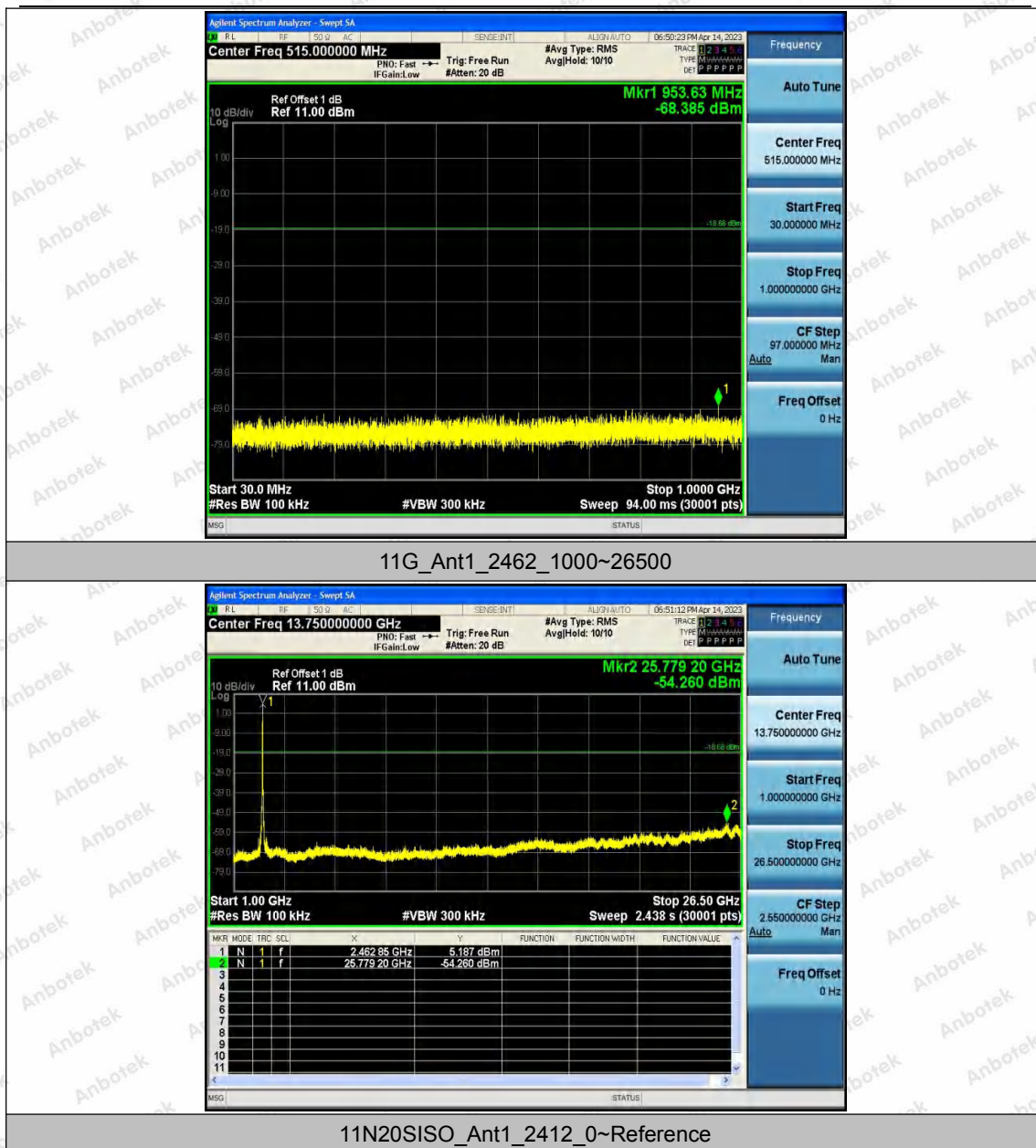
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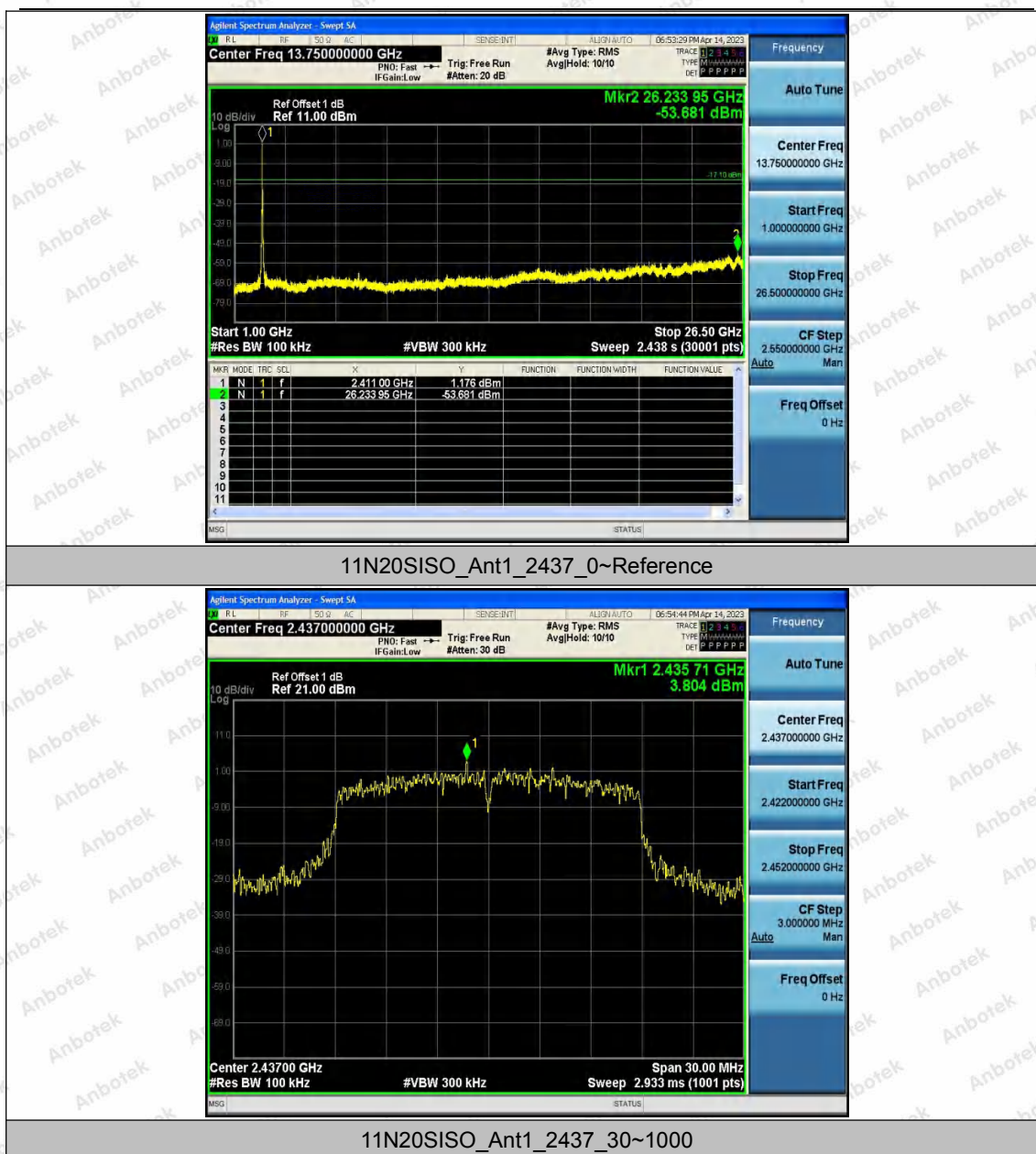
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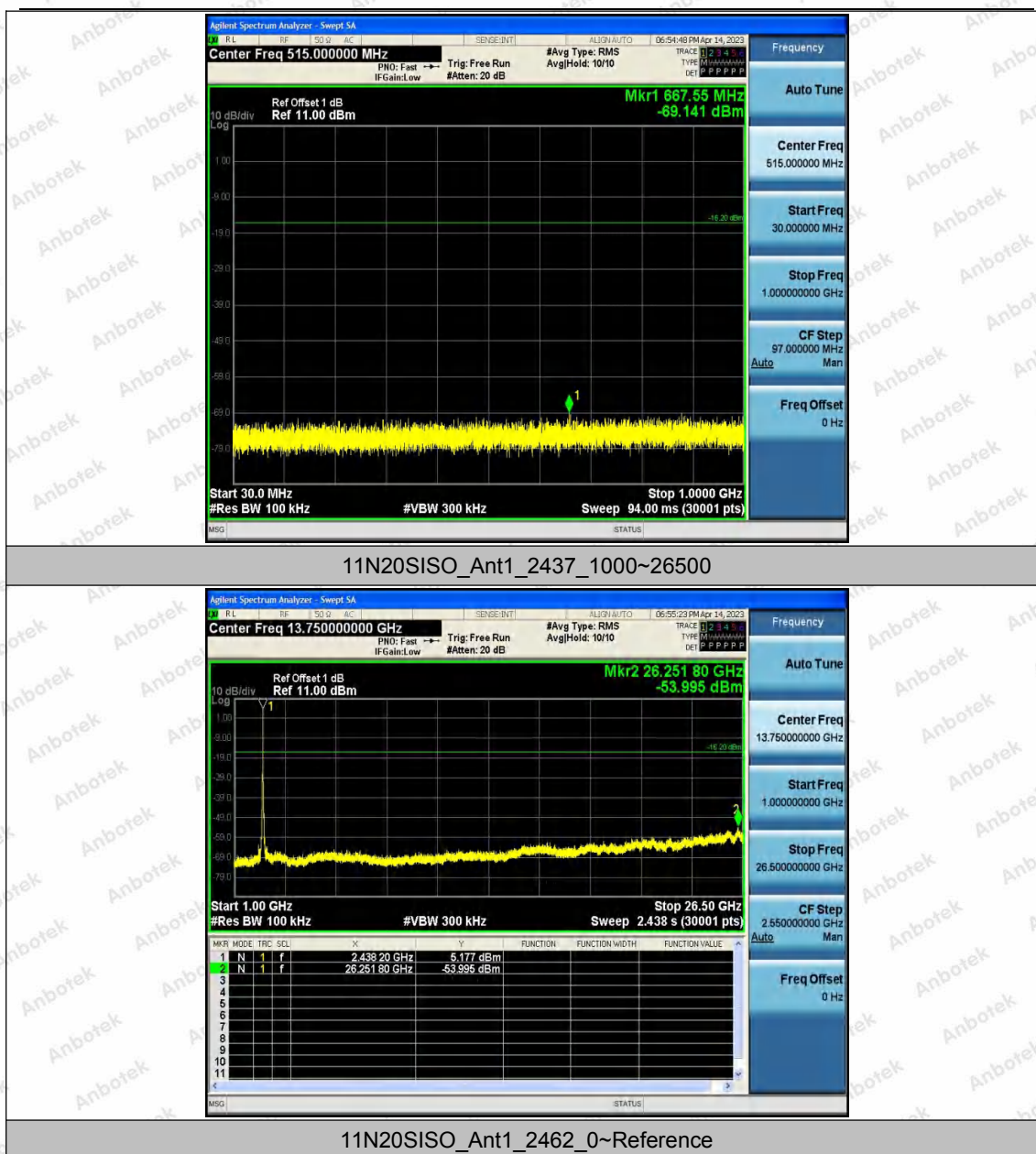
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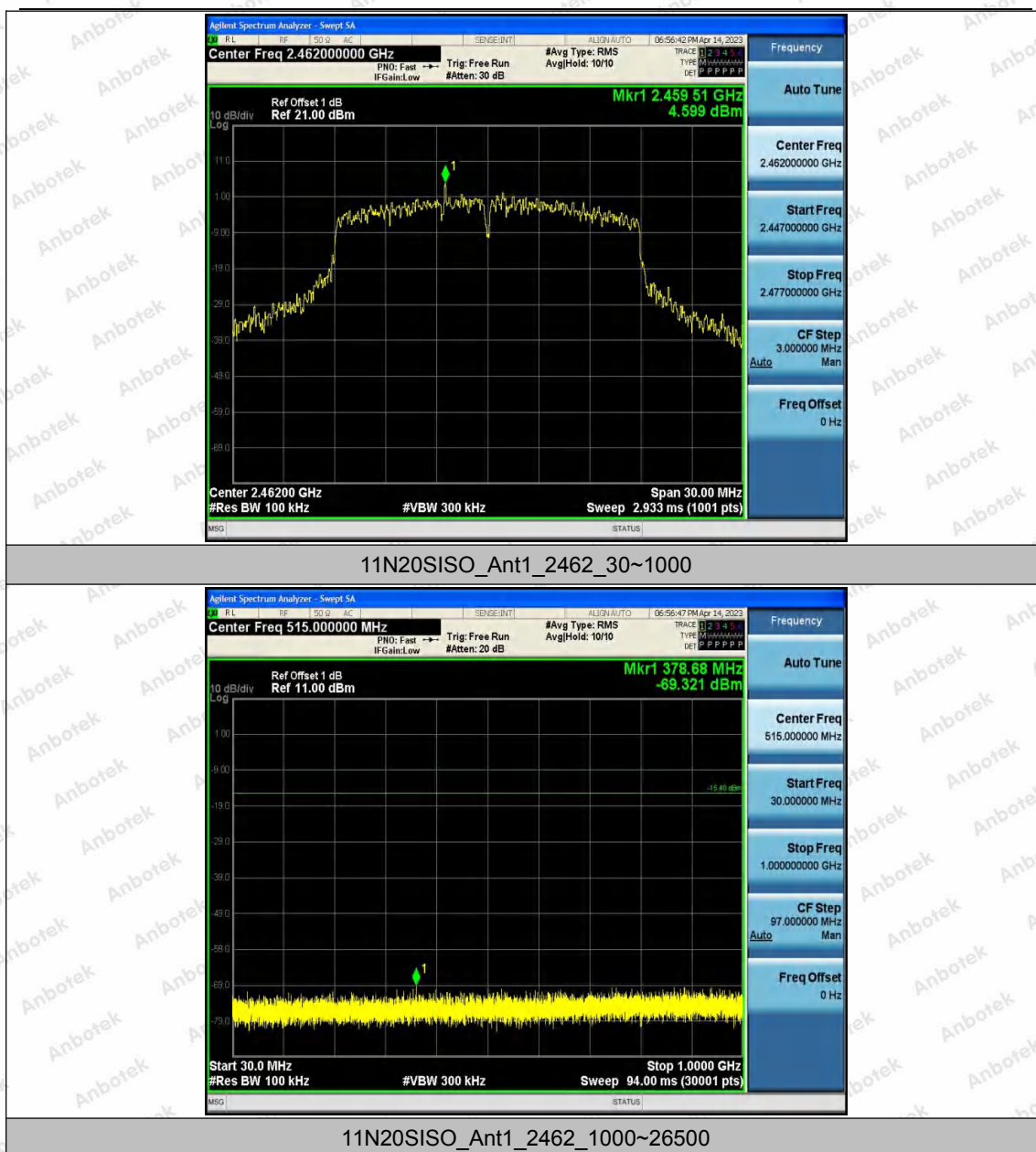
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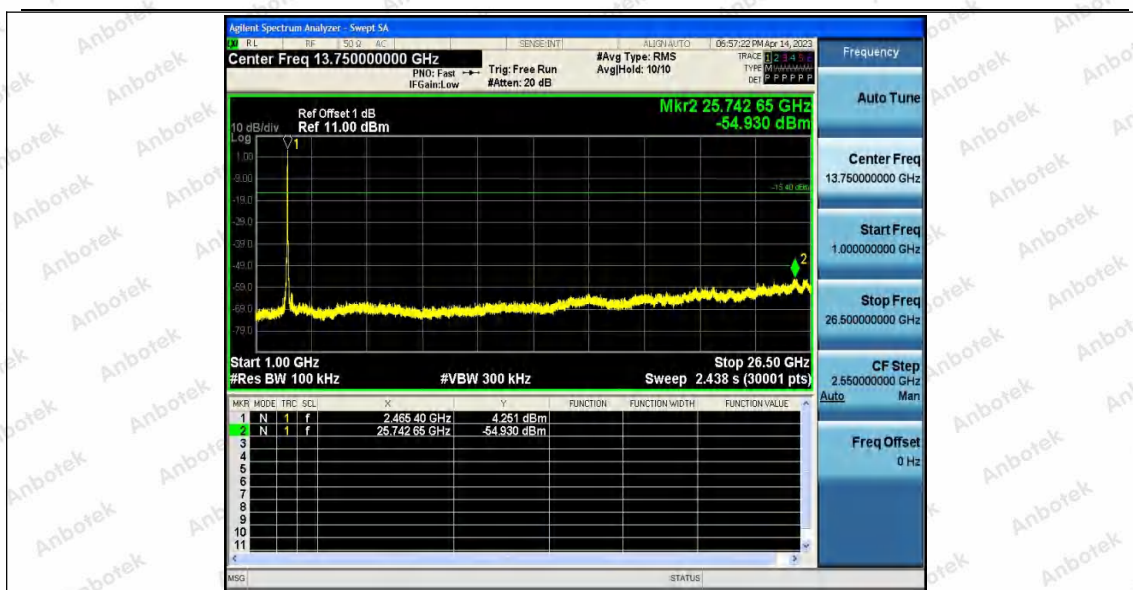
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.61	8.71	98.85	0.05
		2437	8.61	8.71	98.85	0.05
		2462	8.61	8.71	98.85	0.05
11G	Ant1	2412	1.43	1.53	93.46	0.29
		2437	1.42	1.52	93.42	0.30
		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	1.33	1.43	93.01	0.31

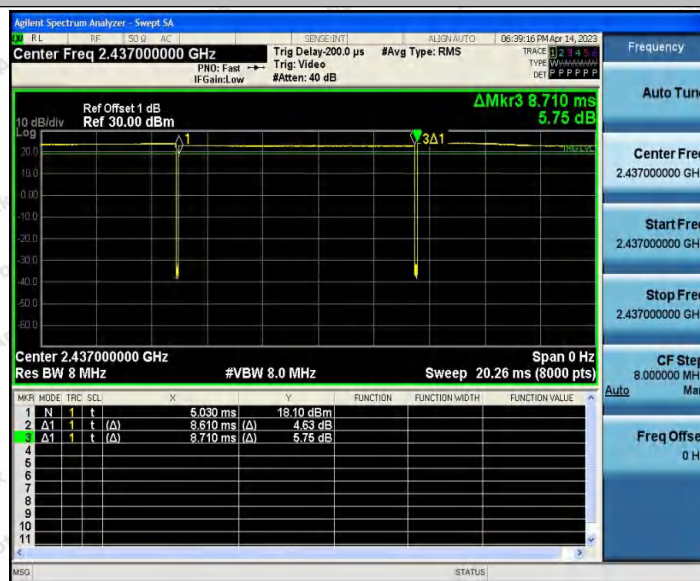


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

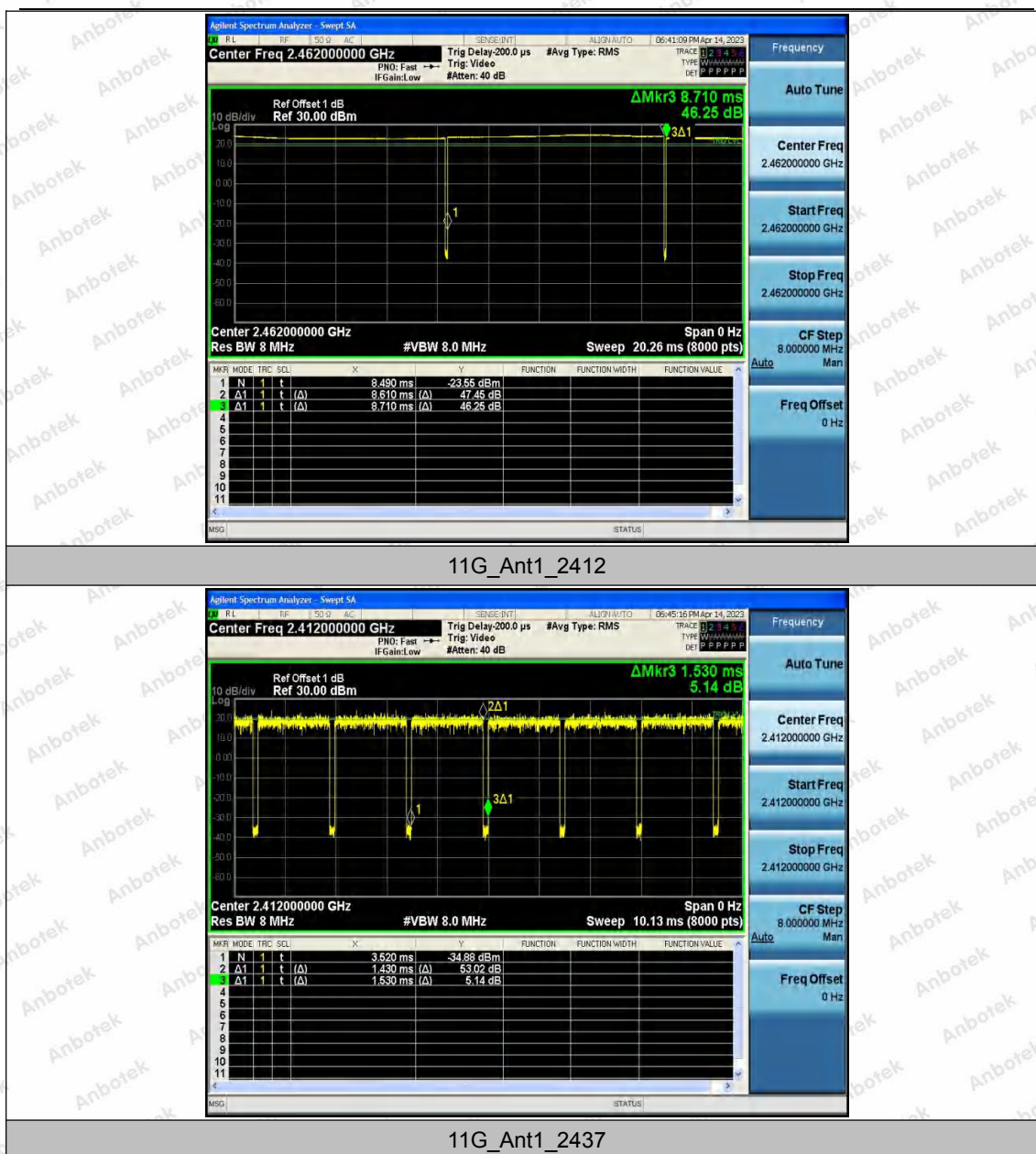
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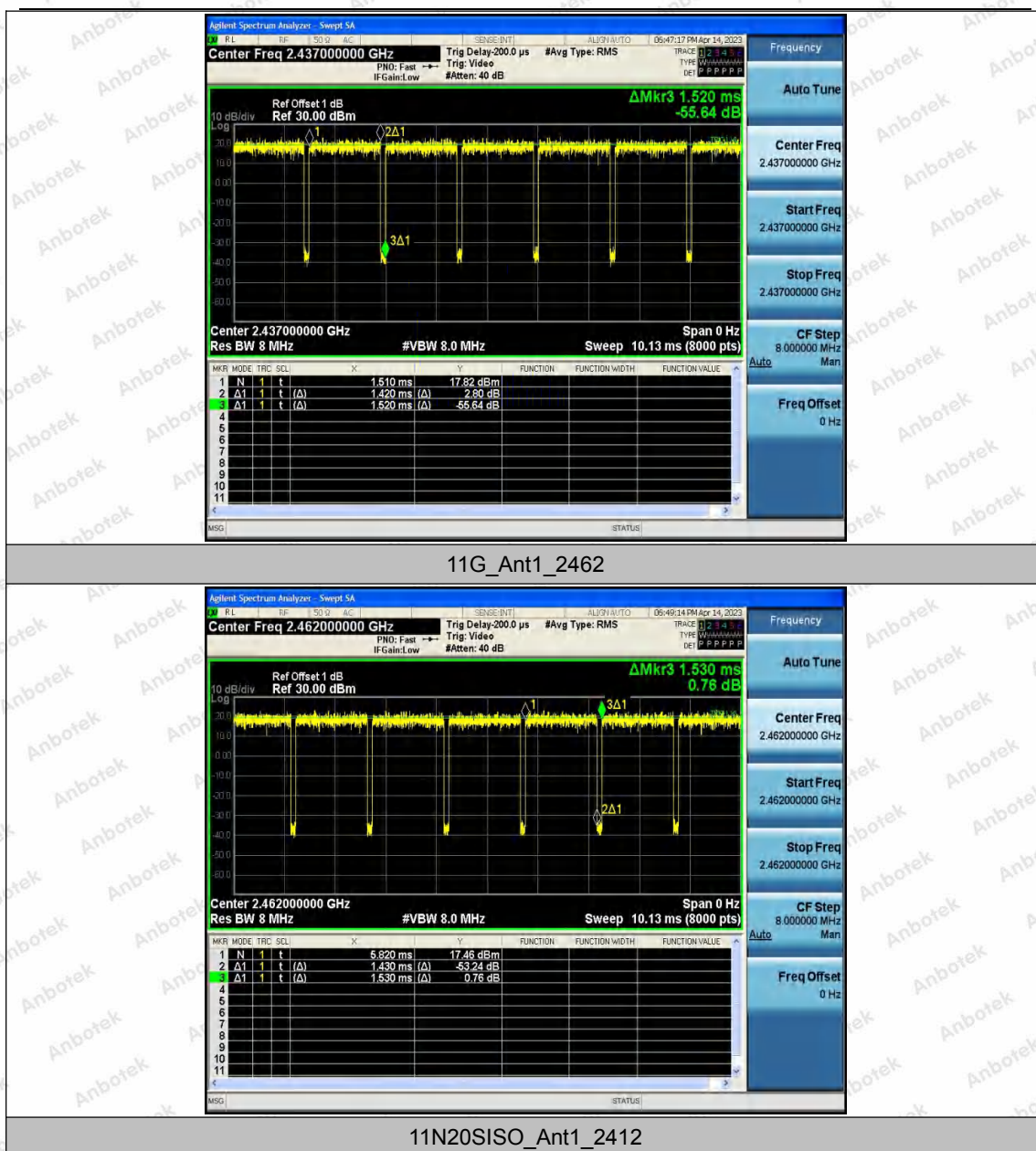
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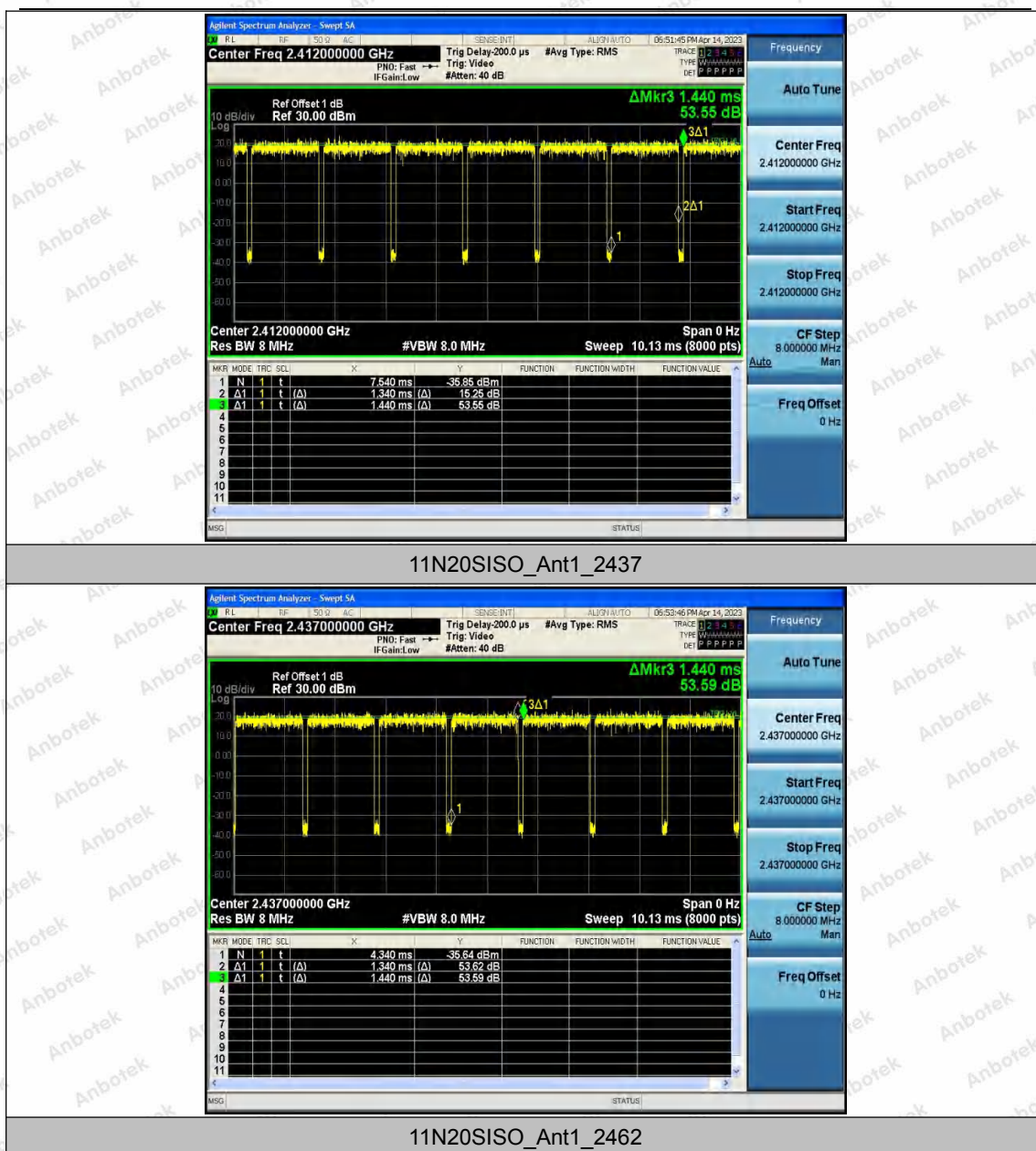
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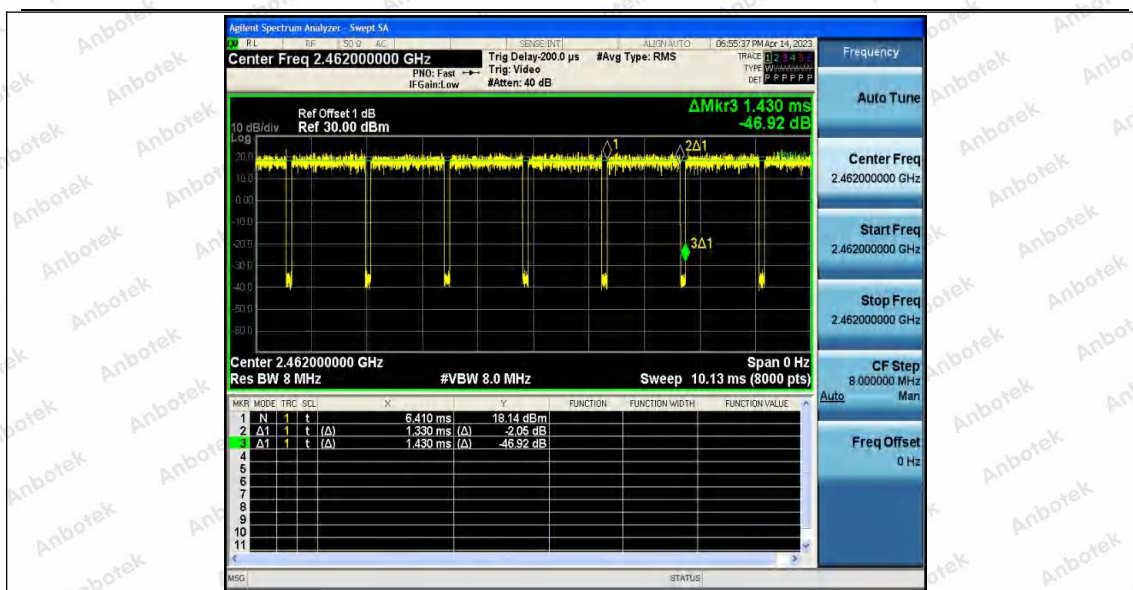
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