

Appendix Test Data

Report No.:	18220WC20261302	Test Sample No.:	1-2-2
Start Test Date:	2022.11.15	Finish Test Date:	2022.11.15
Test Engineer:	<i>Tony 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	9.000	2432.480	2441.480	≥0.5	PASS
		2462	8.560	2457.960	2466.520	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.360	2453.800	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.320	2403.440	2420.760	≥0.5	PASS
		2437	17.560	2428.200	2445.760	≥0.5	PASS
		2462	17.560	2453.200	2470.760	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437

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11G_Ant1_2462



11N20_Ant1_2412

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11N20_Ant1_2437



11N20_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	14.089	2404.9764	2419.0654
		2437	14.090	2429.9781	2444.0681
		2462	14.086	2454.9803	2469.0663
11G	Ant1	2412	17.257	2403.3903	2420.6473
		2437	17.168	2428.4548	2445.6228
		2462	17.124	2453.4164	2470.5404
11N20	Ant1	2412	18.303	2402.8714	2421.1744
		2437	18.280	2427.8951	2446.1751
		2462	18.211	2452.8744	2471.0854



Test Graphs



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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Antenna Gain [dBi]	Verdict
11B	Ant1	2412	20.02	≤30.00	PASS
		2437	19.98	≤30.00	PASS
		2462	20.24	≤30.00	PASS
11G	Ant1	2412	20.64	≤30.00	PASS
		2437	20.89	≤30.00	PASS
		2462	21.04	≤30.00	PASS
11N20	Ant1	2412	20.63	≤30.00	PASS
		2437	20.75	≤30.00	PASS
		2462	20.96	≤30.00	PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.32	≤8.00	PASS
		2437	-5.19	≤8.00	PASS
		2462	-5.15	≤8.00	PASS
11G	Ant1	2412	-11.83	≤8.00	PASS
		2437	-10.62	≤8.00	PASS
		2462	-11.41	≤8.00	PASS
11N20	Ant1	2412	-10.66	≤8.00	PASS
		2437	-10.99	≤8.00	PASS
		2462	-11.29	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

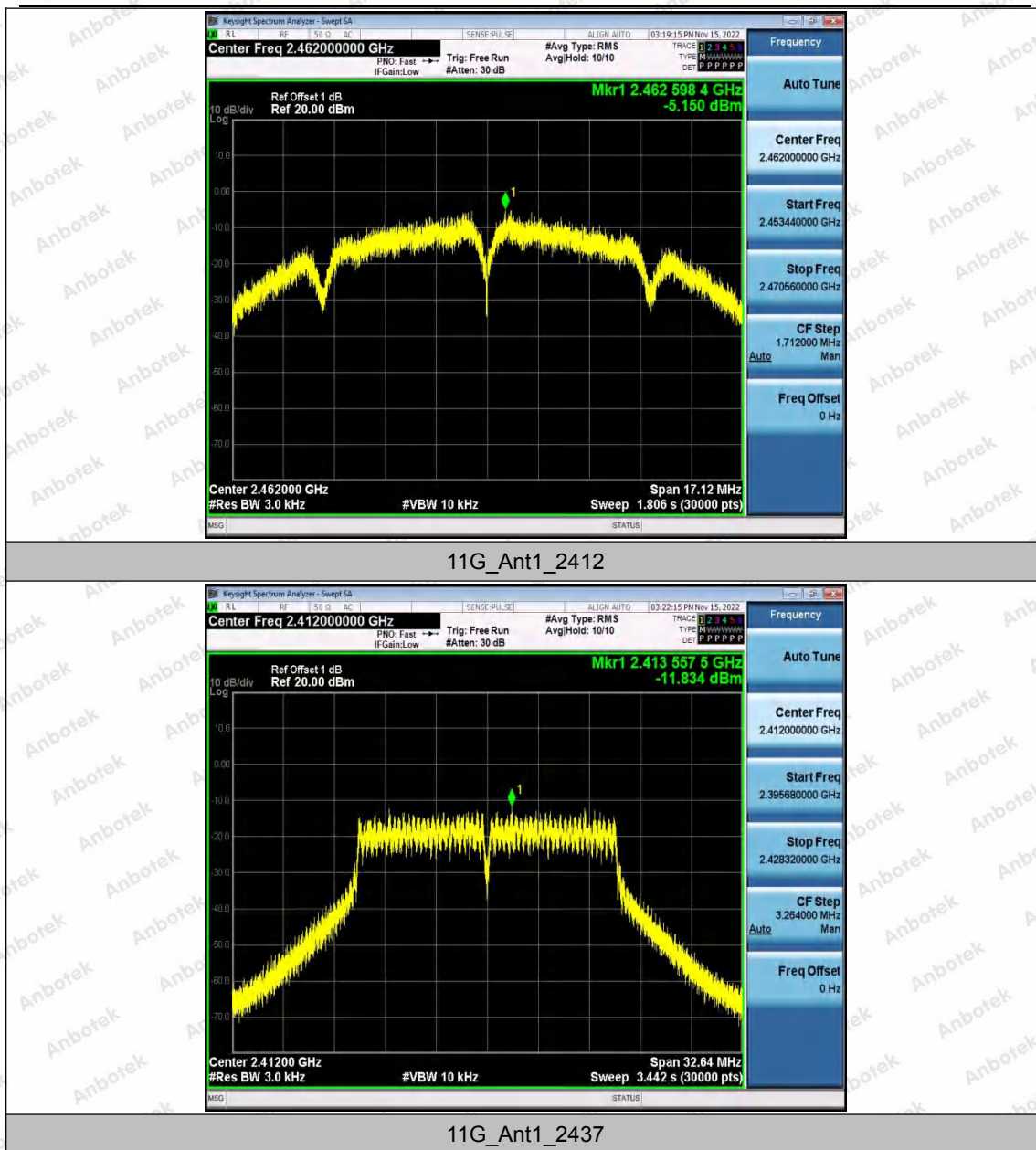
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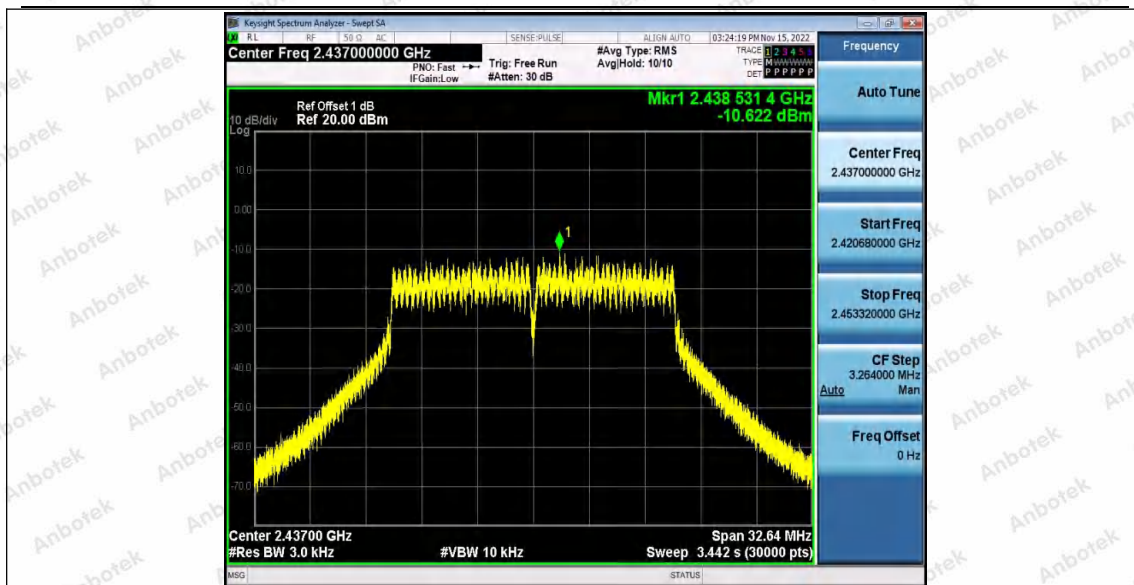
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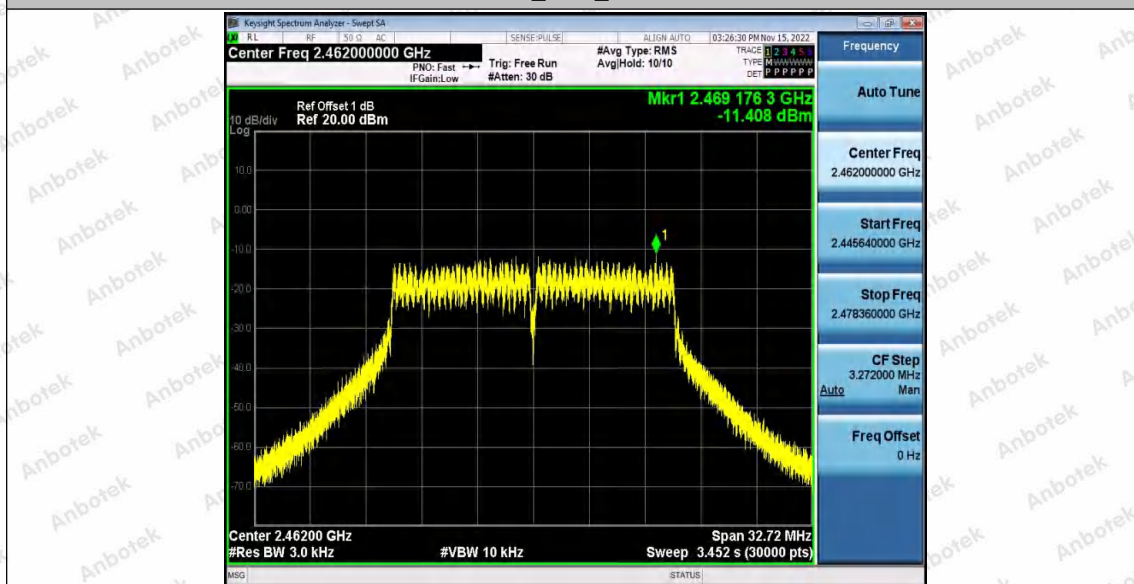


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11G_Ant1_2462



11N20_Ant1_2412

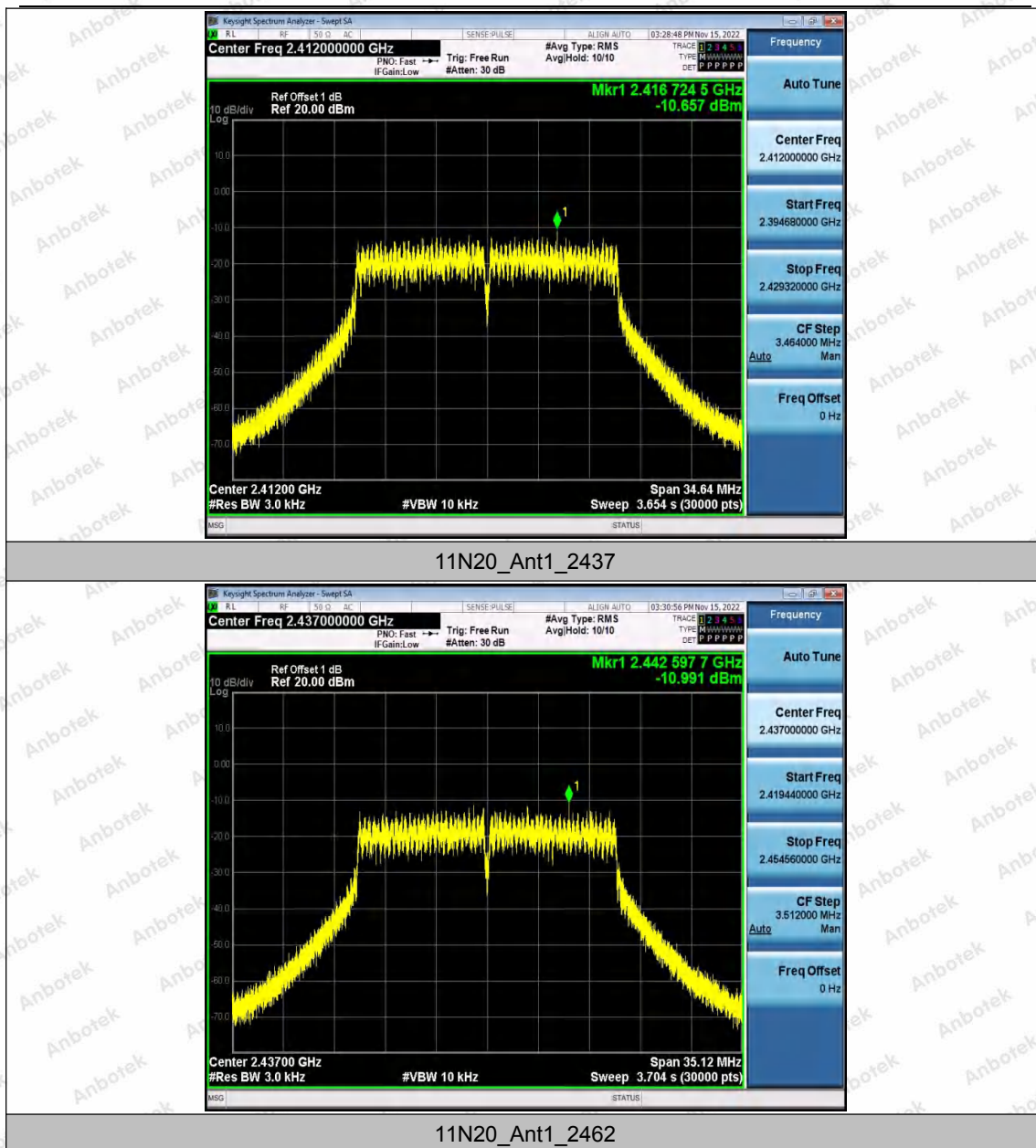
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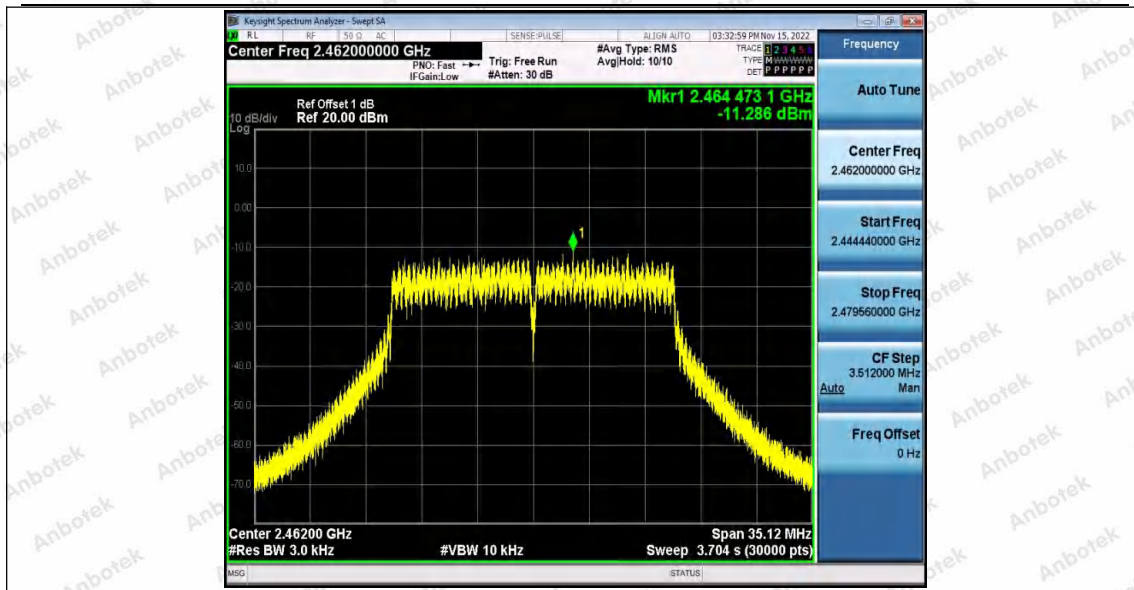
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Appendix E: Band edge measurements

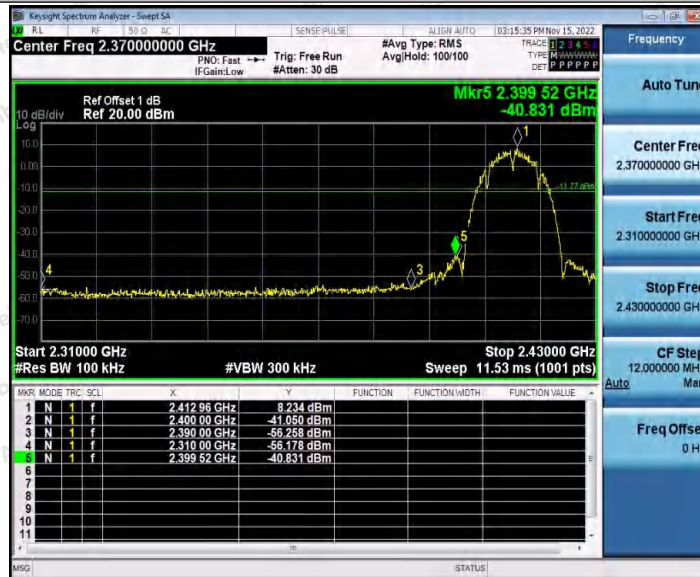
Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	8.23	-40.83	≤-11.77	PASS
		High	2462	8.76	-52.81	≤-11.25	PASS
11G	Ant1	Low	2412	1.89	-33.62	≤-18.11	PASS
		High	2462	2.31	-52.34	≤-17.69	PASS
11N20	Ant1	Low	2412	1.70	-33.16	≤-18.3	PASS
		High	2462	2.61	-50.19	≤-17.39	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11N20_Ant1_High_2462



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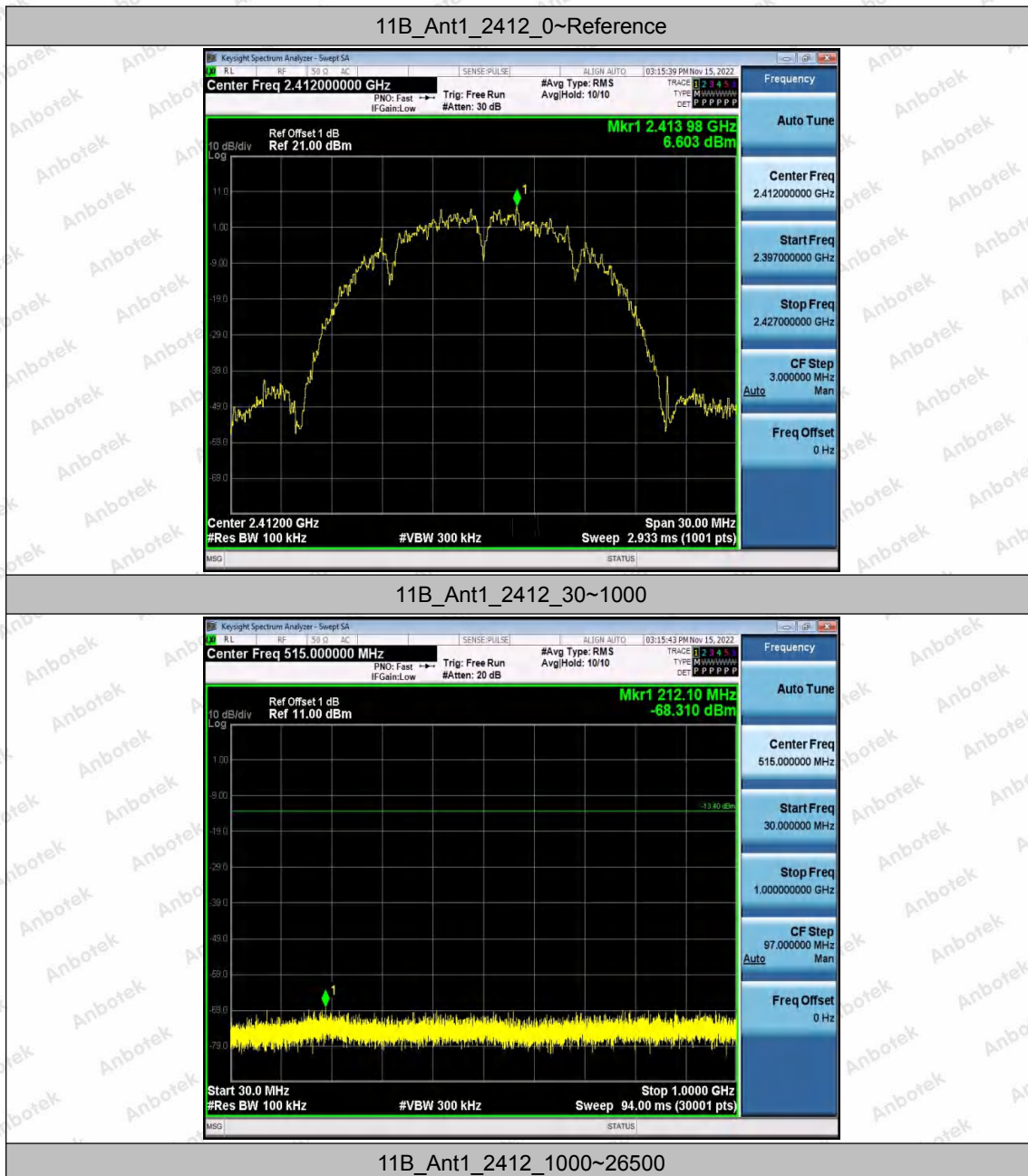
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-68.31	≤-13.4	PASS
			1000~26500	6.60	-52.69	≤-13.4	PASS
		2437	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-68.18	≤-13.22	PASS
			1000~26500	6.78	-53.36	≤-13.22	PASS
		2462	Reference	7.00	7.00	---	PASS
			30~1000	7.00	-67.54	≤-13	PASS
			1000~26500	7.00	-52.65	≤-13	PASS
11G	Ant1	2412	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-66.99	≤-18.43	PASS
			1000~26500	1.57	-52.95	≤-18.43	PASS
		2437	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-66.74	≤-20.48	PASS
			1000~26500	-0.48	-52.7	≤-20.48	PASS
		2462	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-68.65	≤-17.83	PASS
			1000~26500	2.17	-52.88	≤-17.83	PASS
11N20	Ant1	2412	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-67.62	≤-17.5	PASS
			1000~26500	2.50	-53.09	≤-17.5	PASS
		2437	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-66.44	≤-21.26	PASS
			1000~26500	-1.26	-53.58	≤-21.26	PASS
		2462	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-66.5	≤-20.71	PASS
			1000~26500	-0.71	-53.38	≤-20.71	PASS



Test Graphs



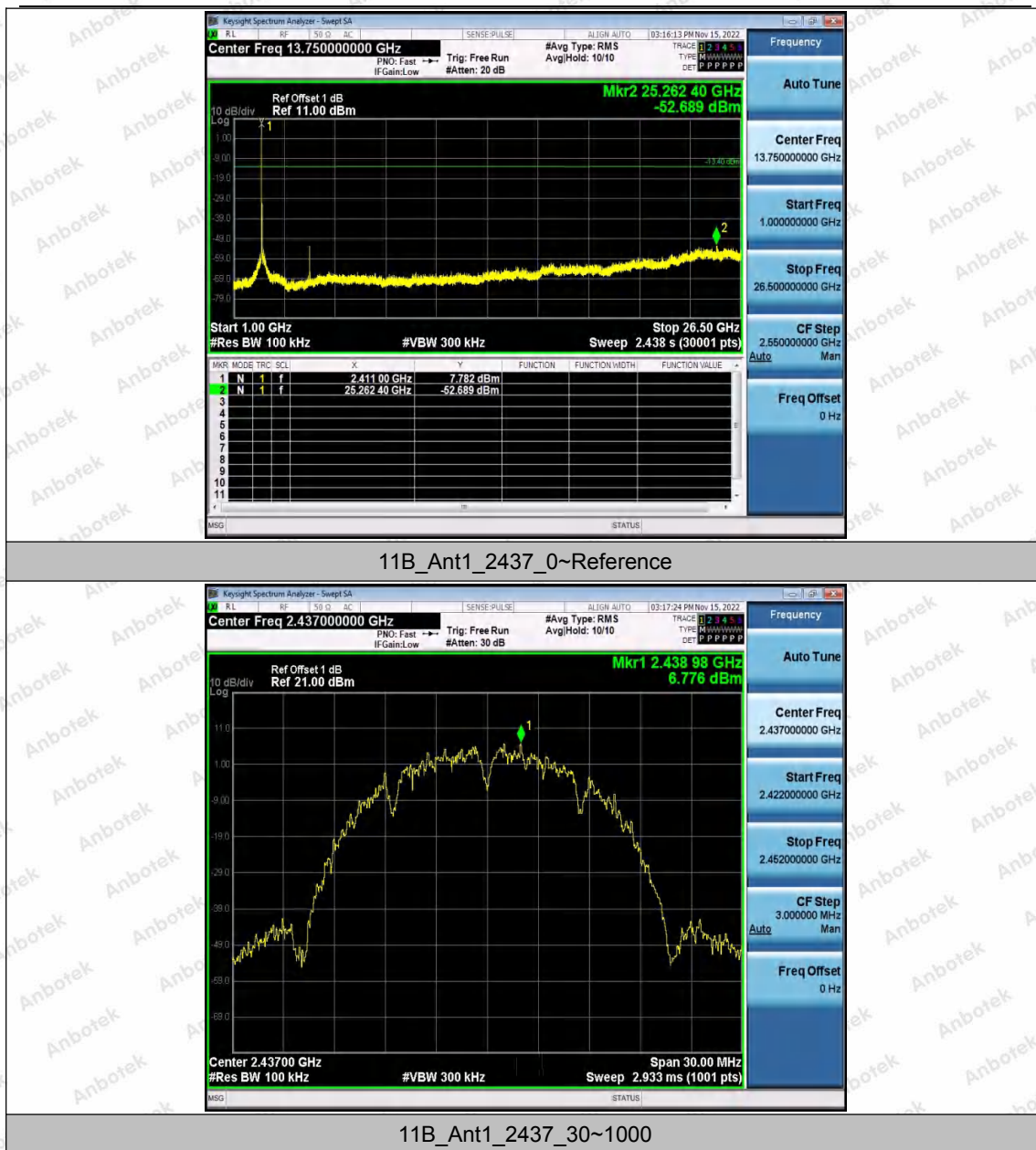
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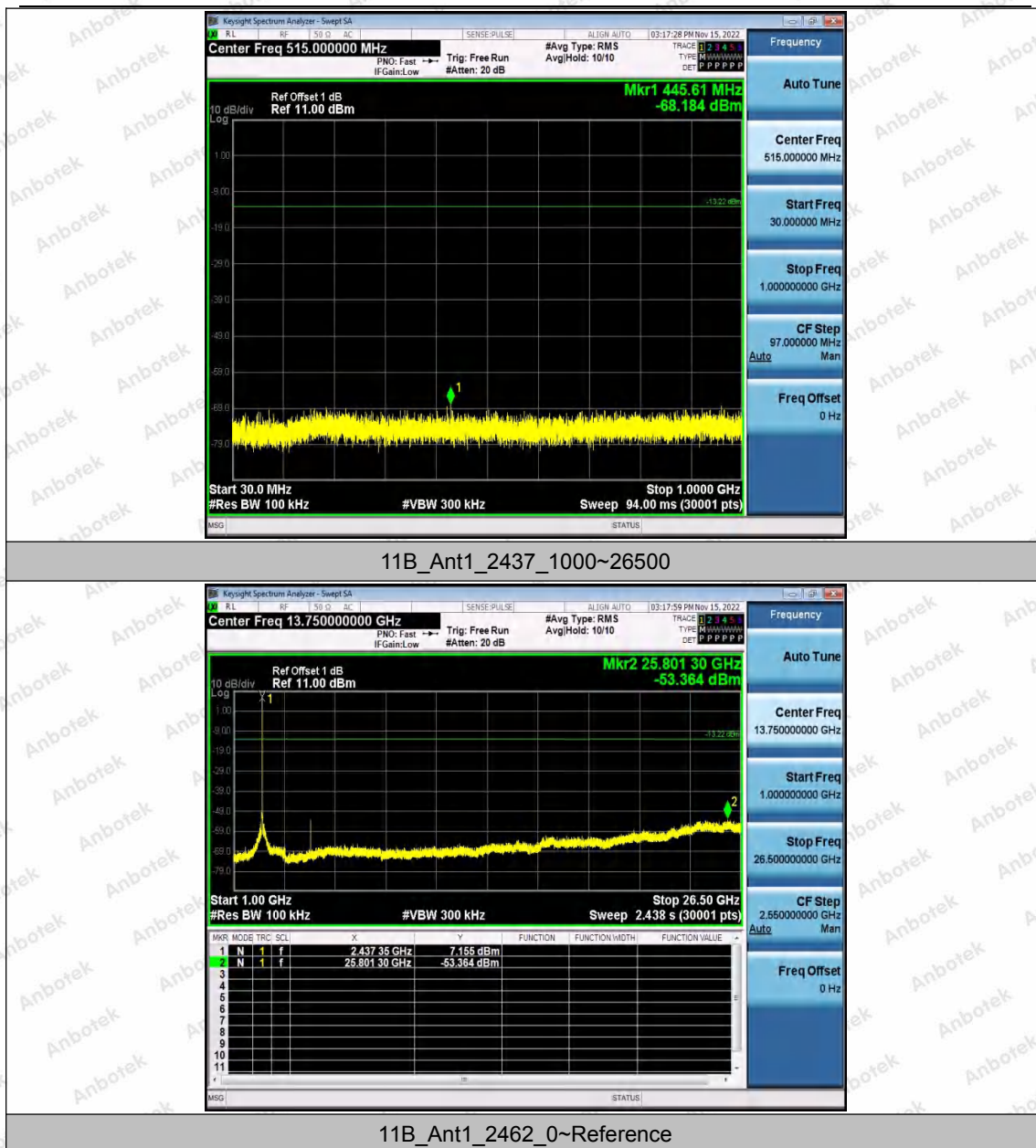
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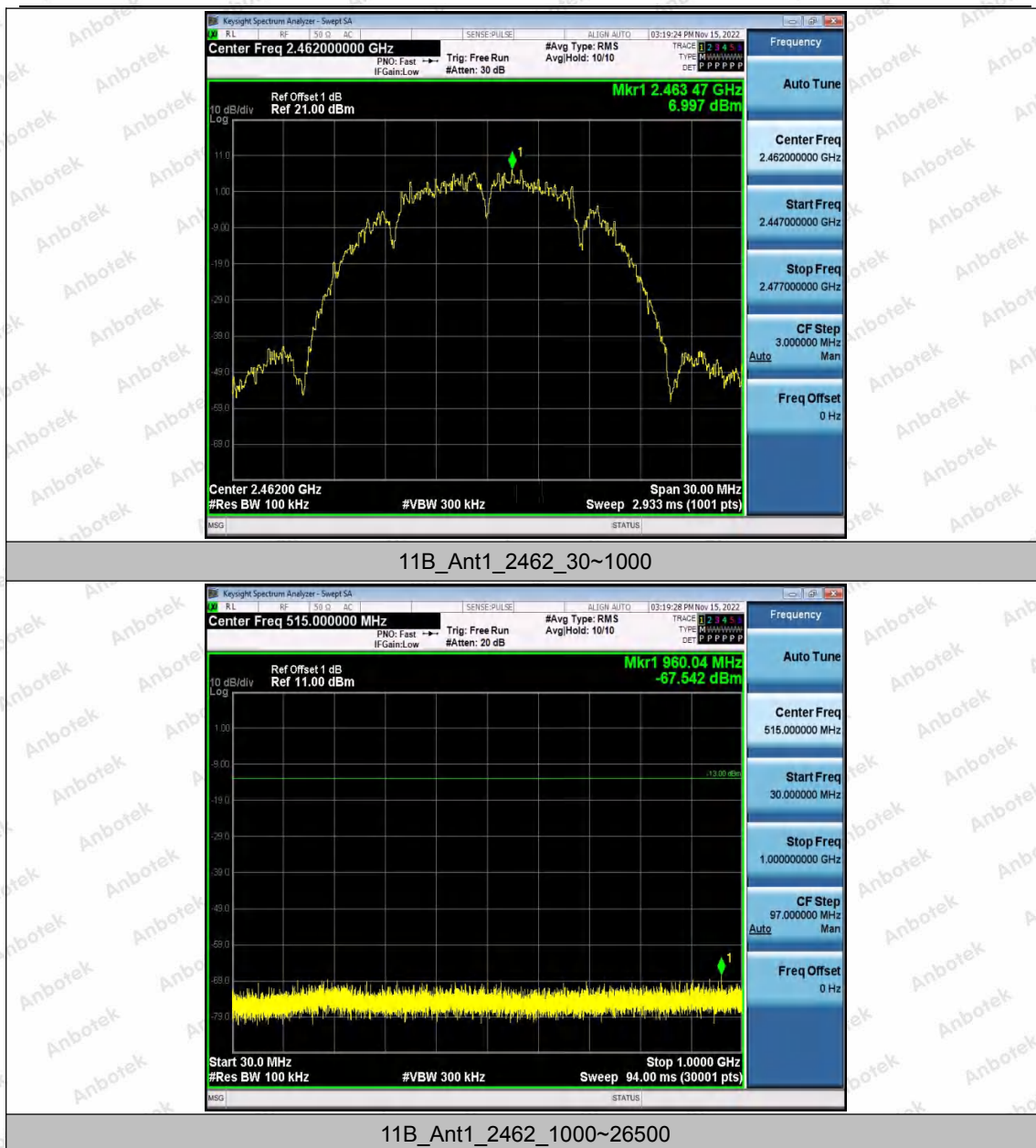
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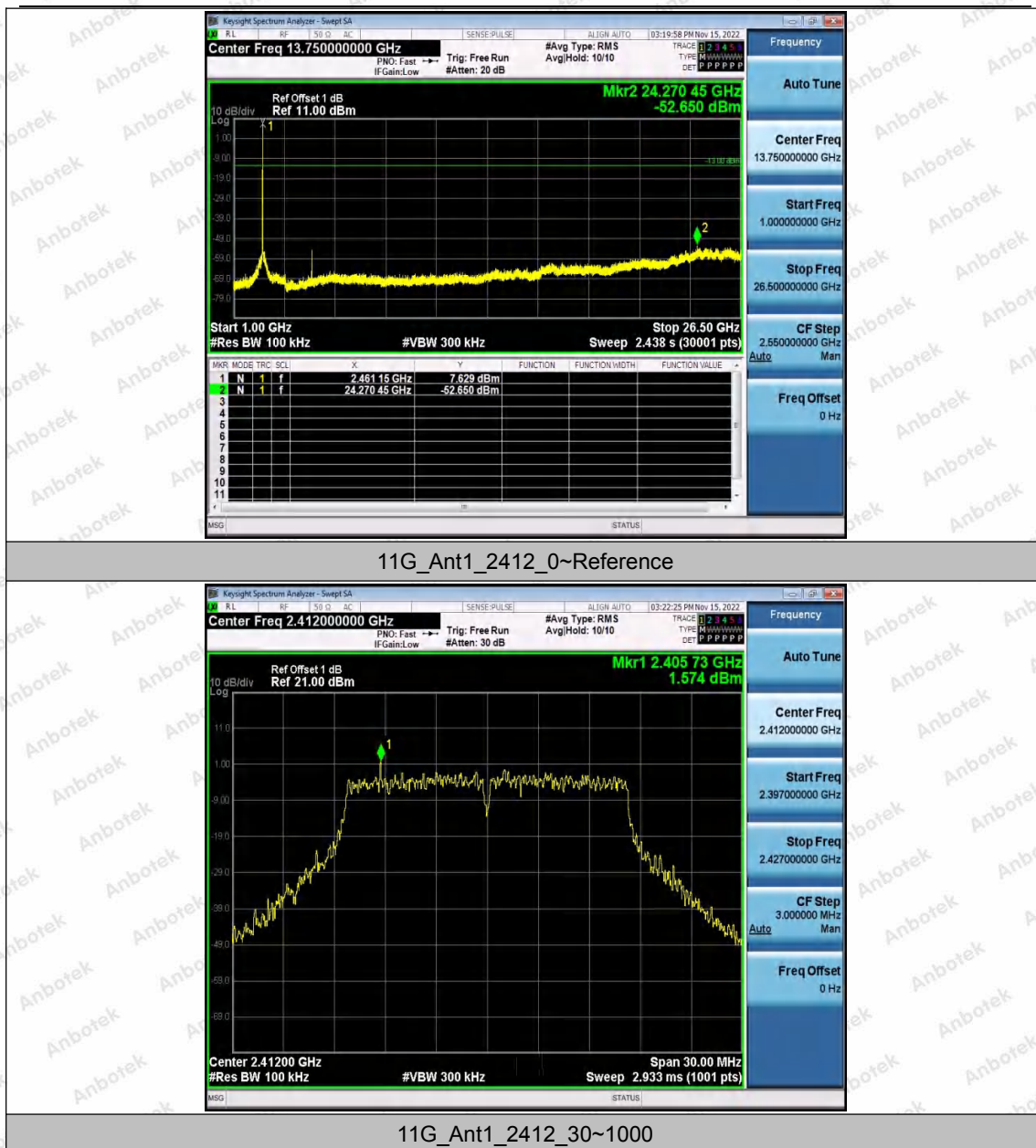
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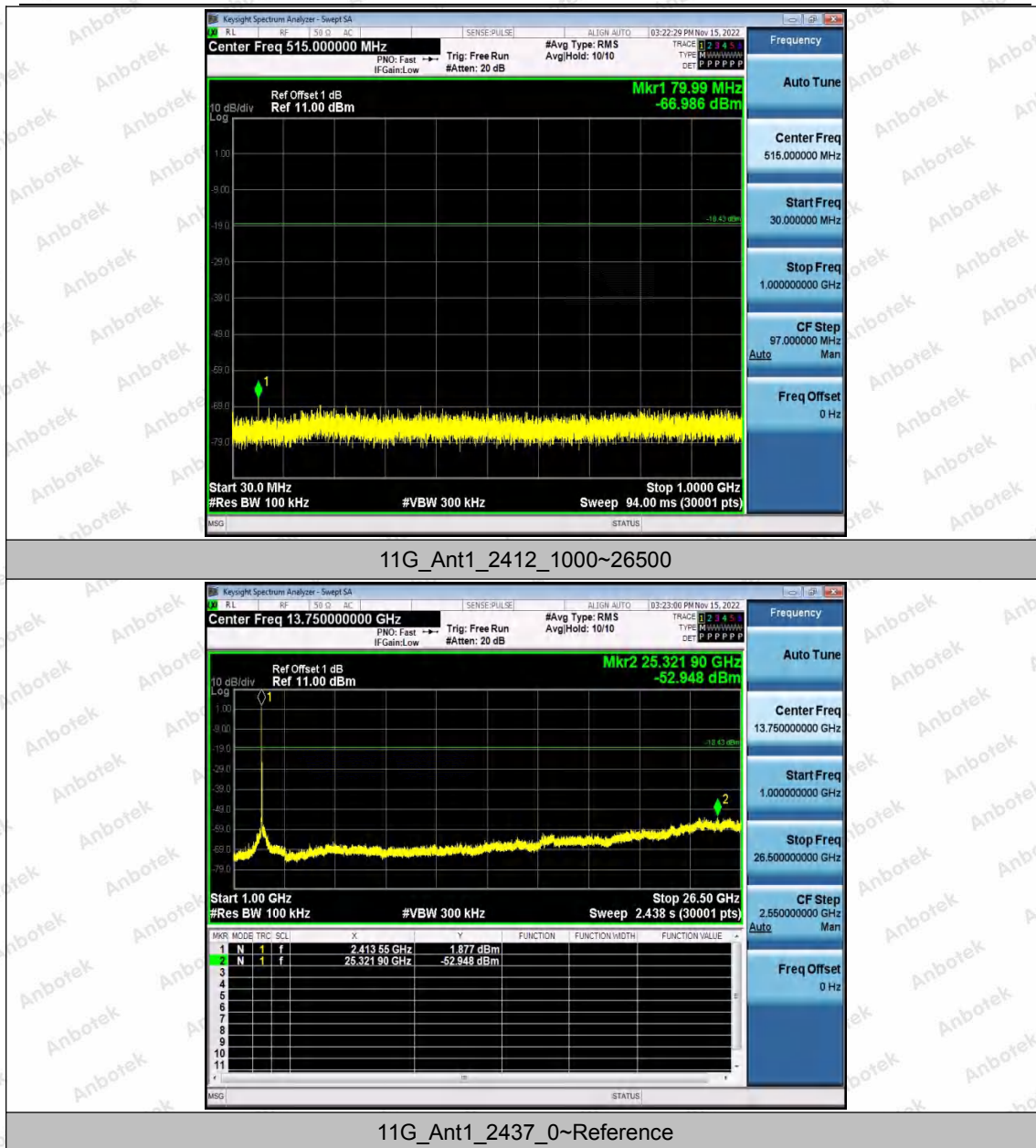
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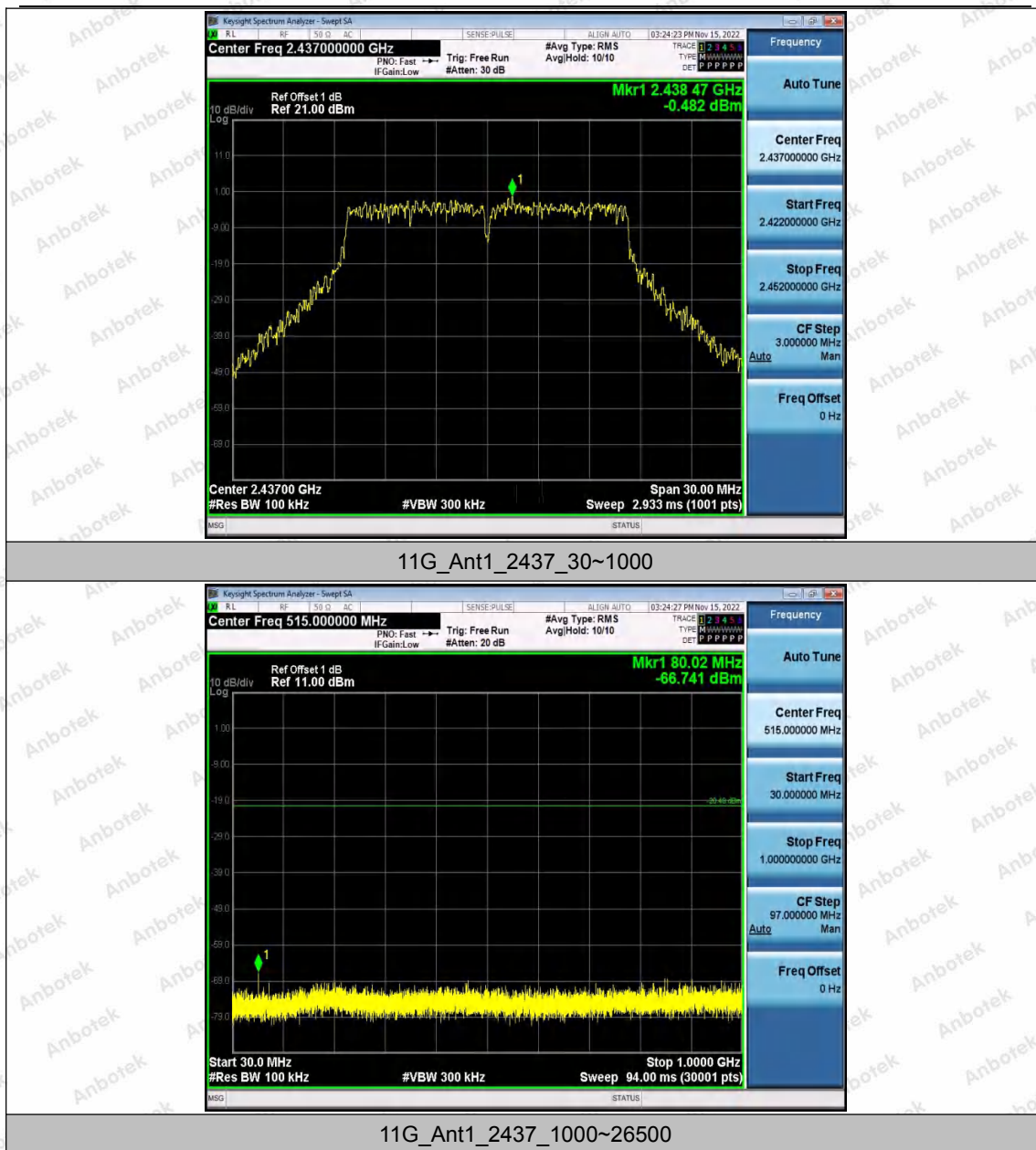
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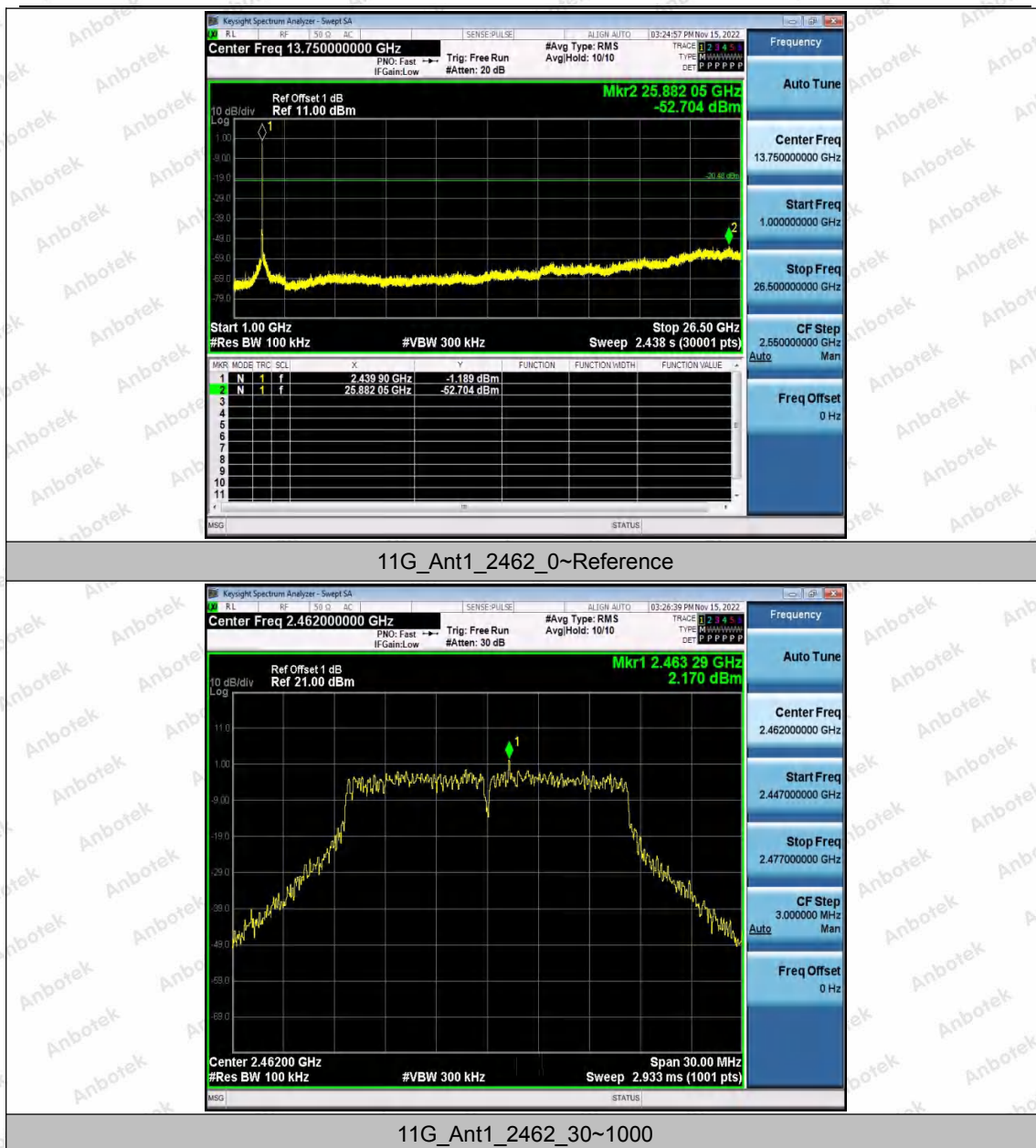
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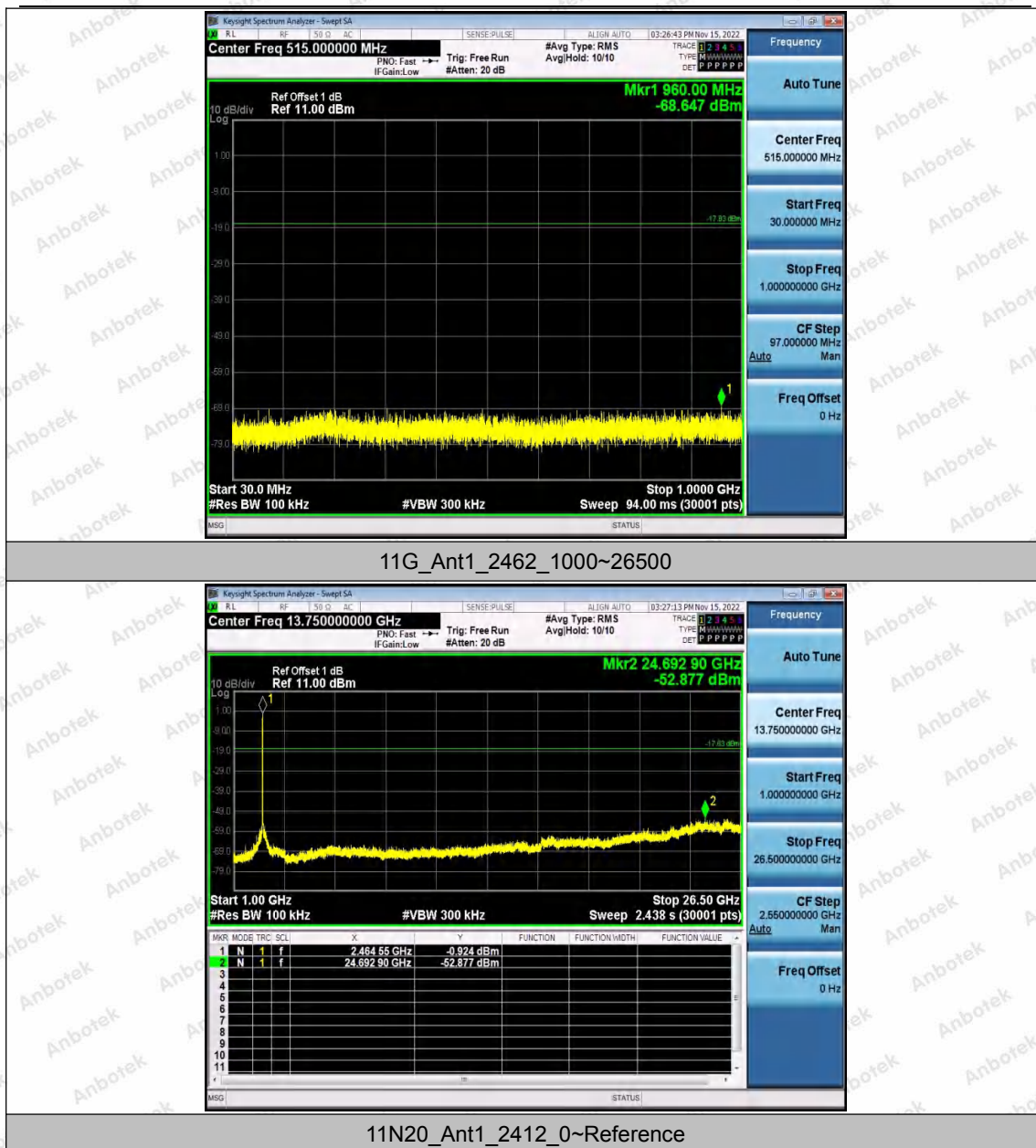
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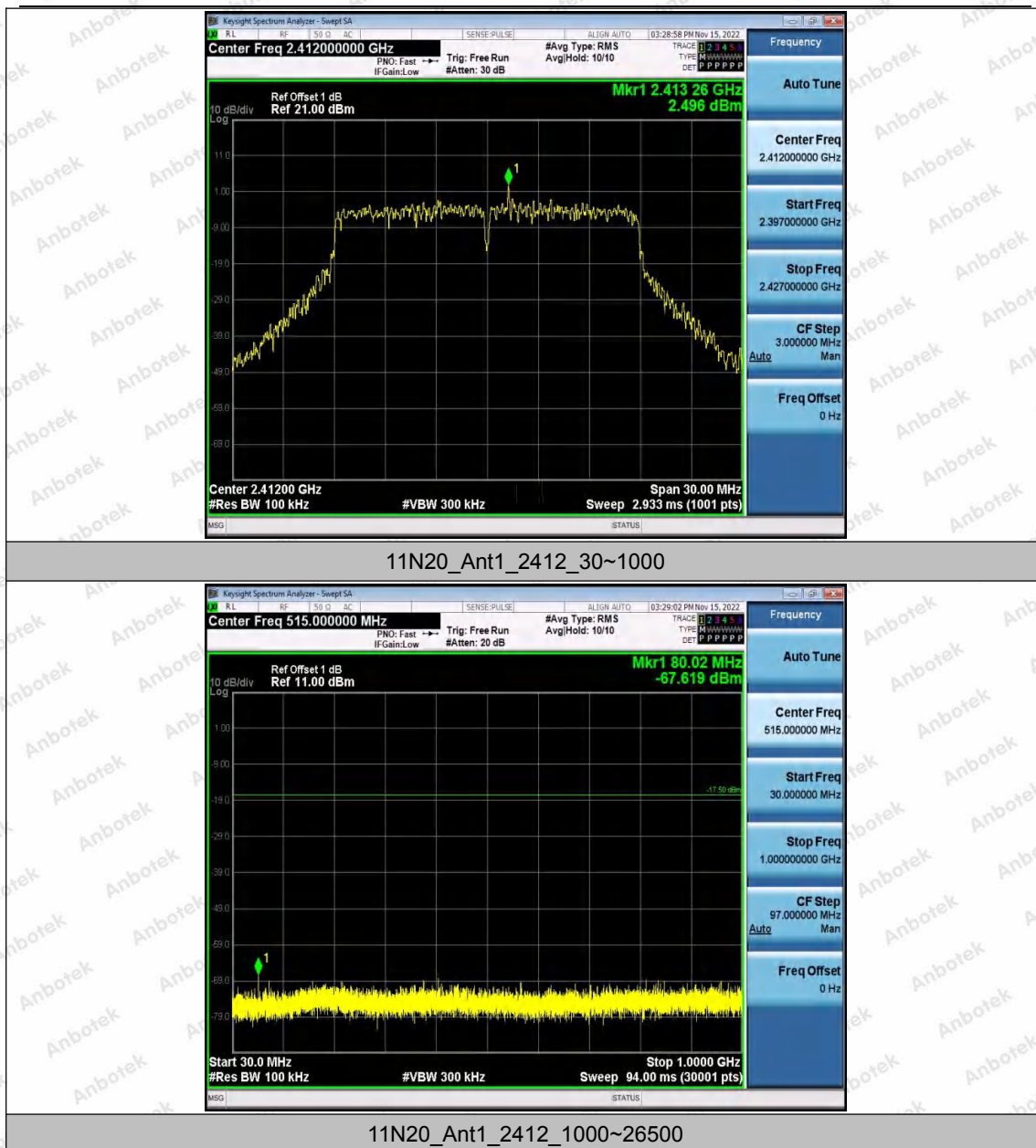
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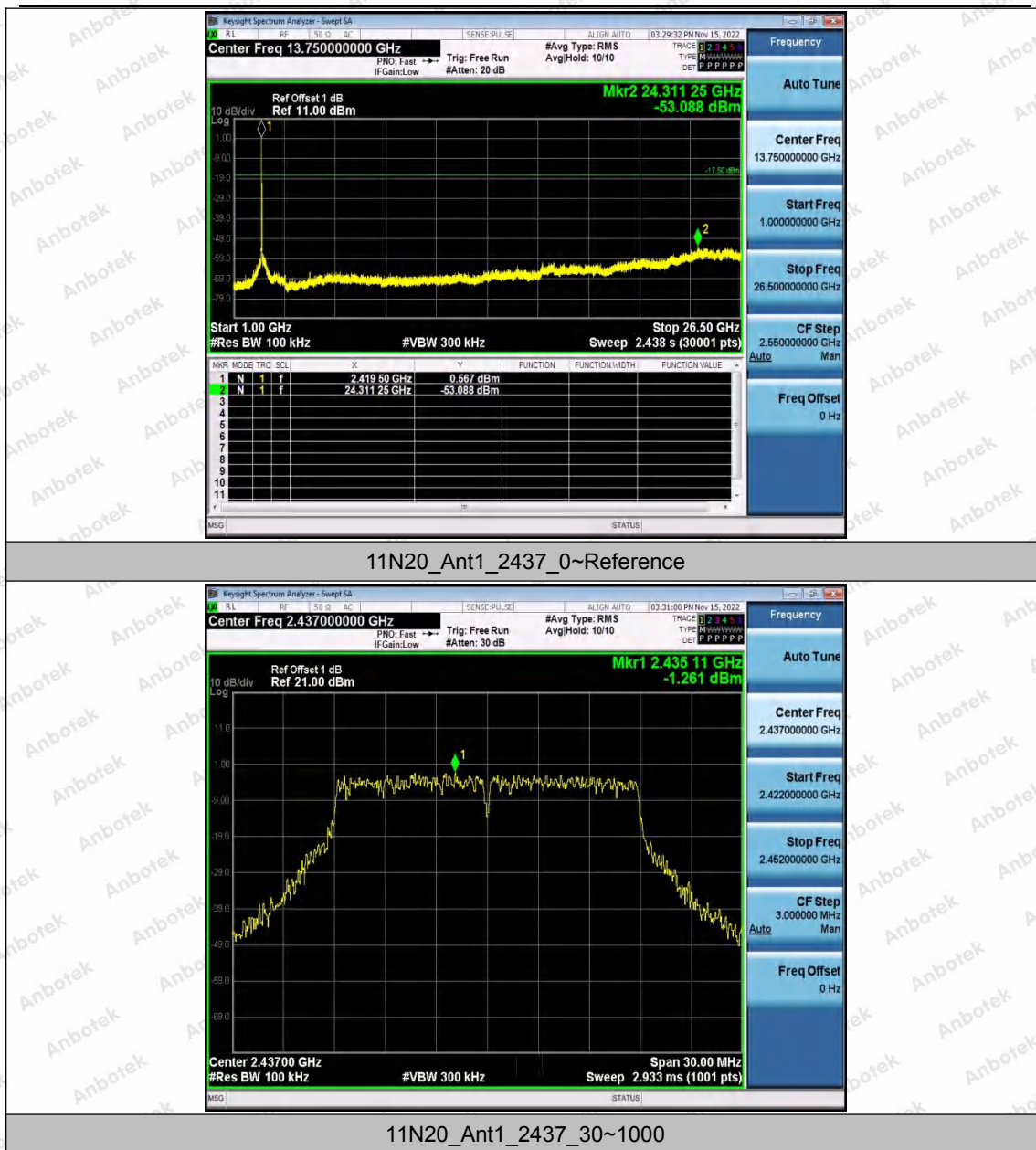
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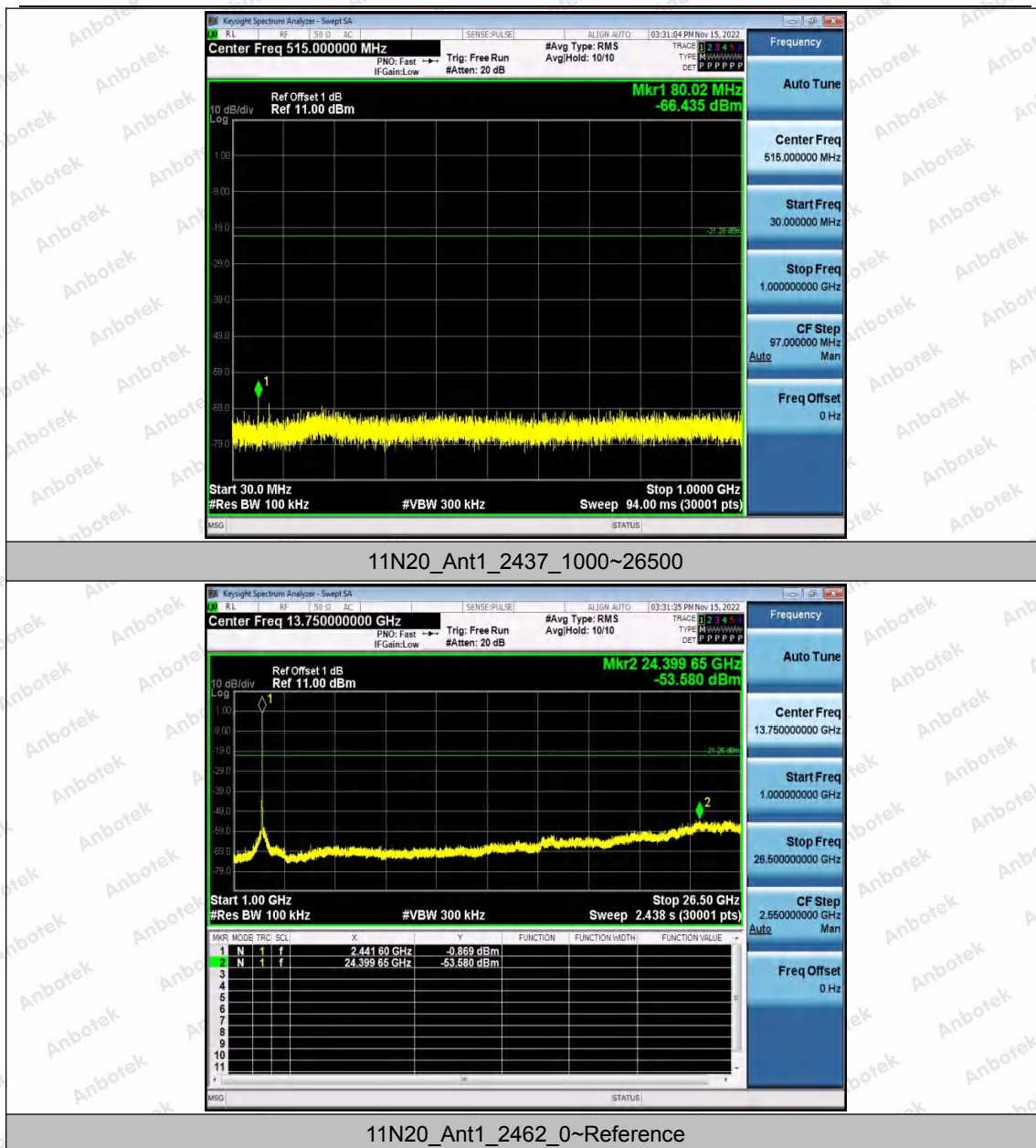
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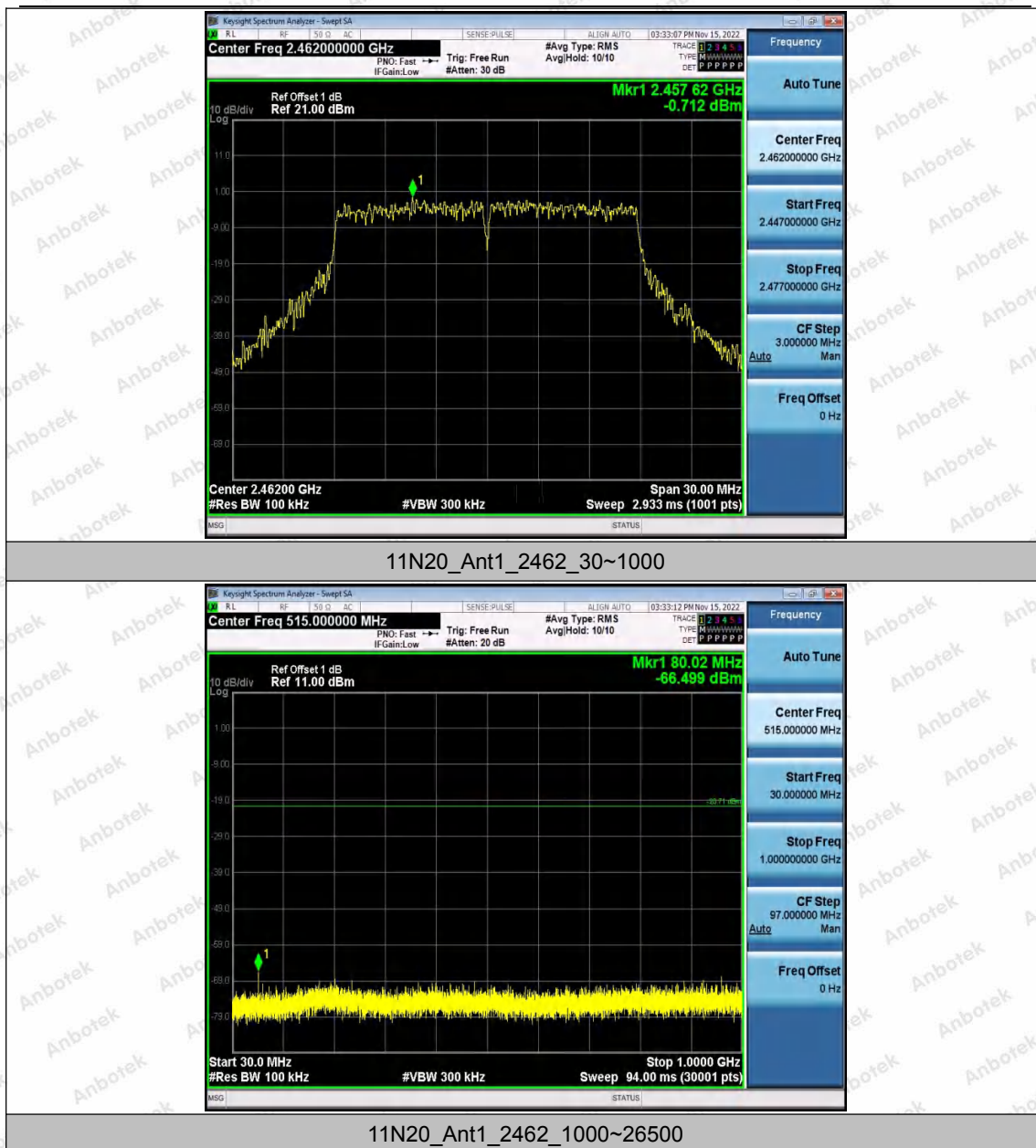
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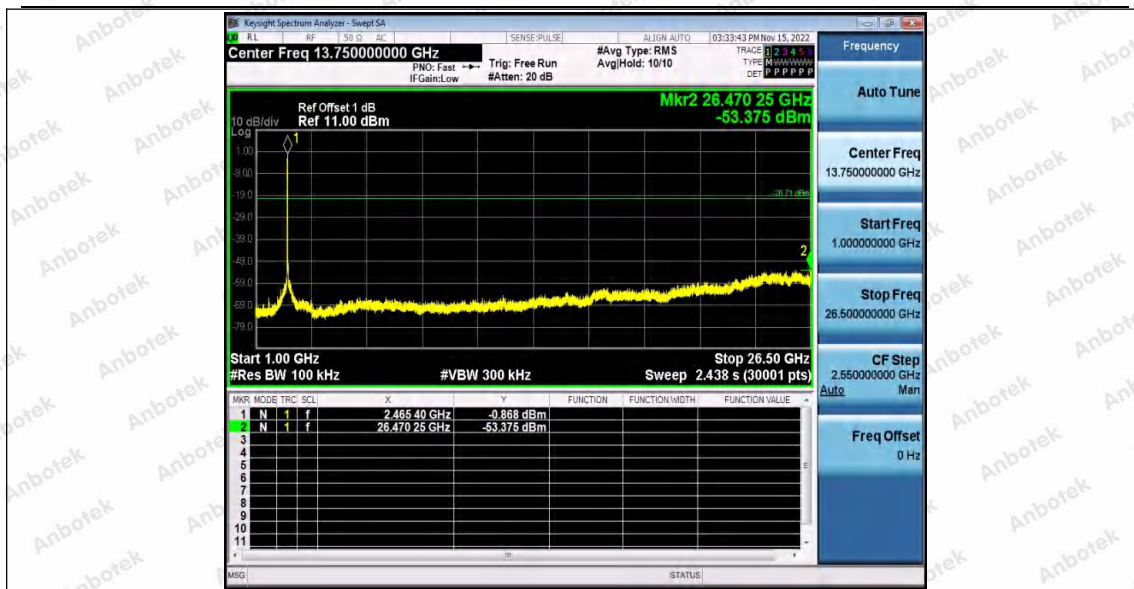
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.42	12.55	98.96	0.05
		2462	12.41	12.54	98.96	0.05
11G	Ant1	2412	2.06	2.19	94.06	0.27
		2437	2.06	2.19	94.06	0.27
		2462	2.06	2.19	94.06	0.27
11N20	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

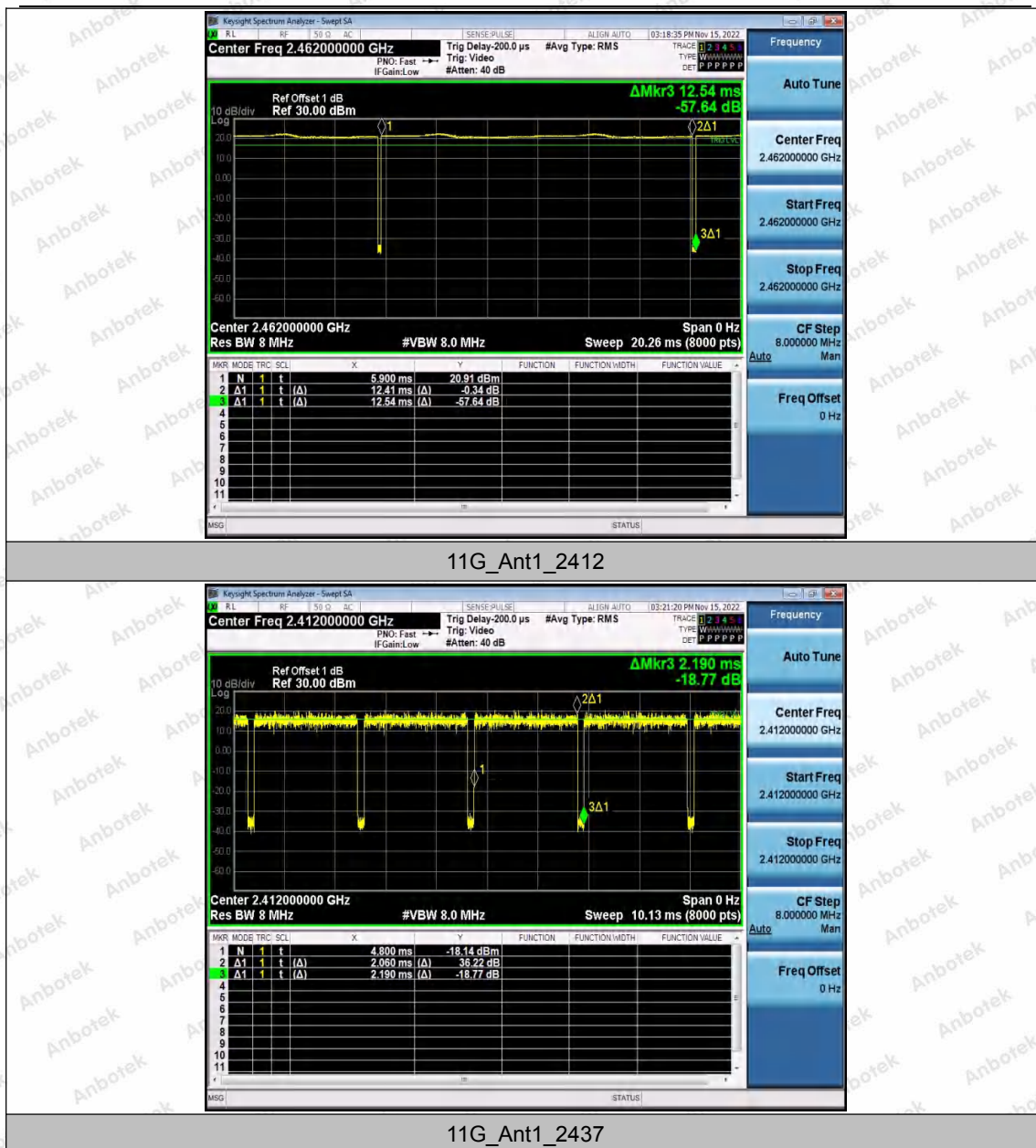
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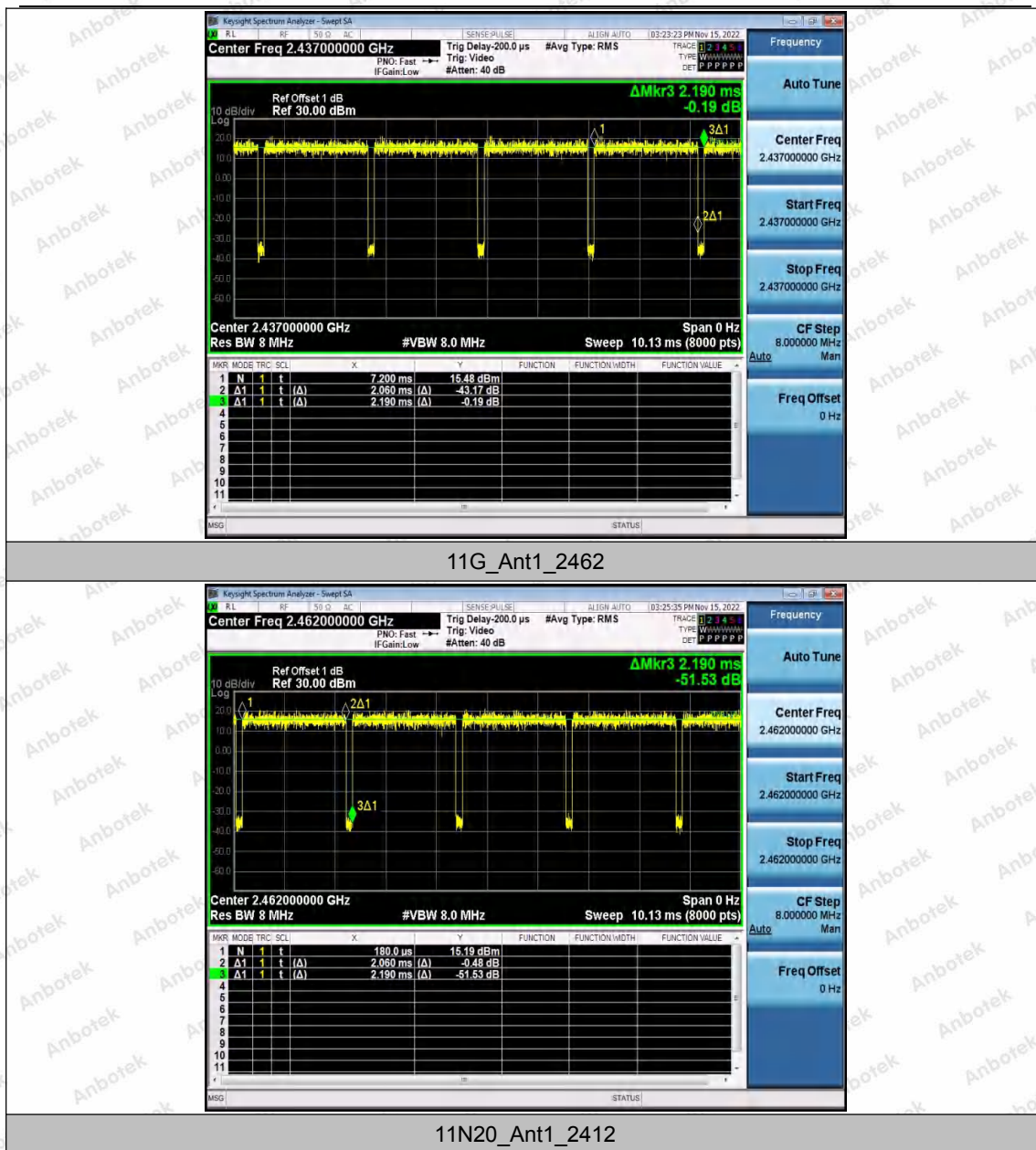
Shenzhen Anbotek Compliance Laboratory Limited

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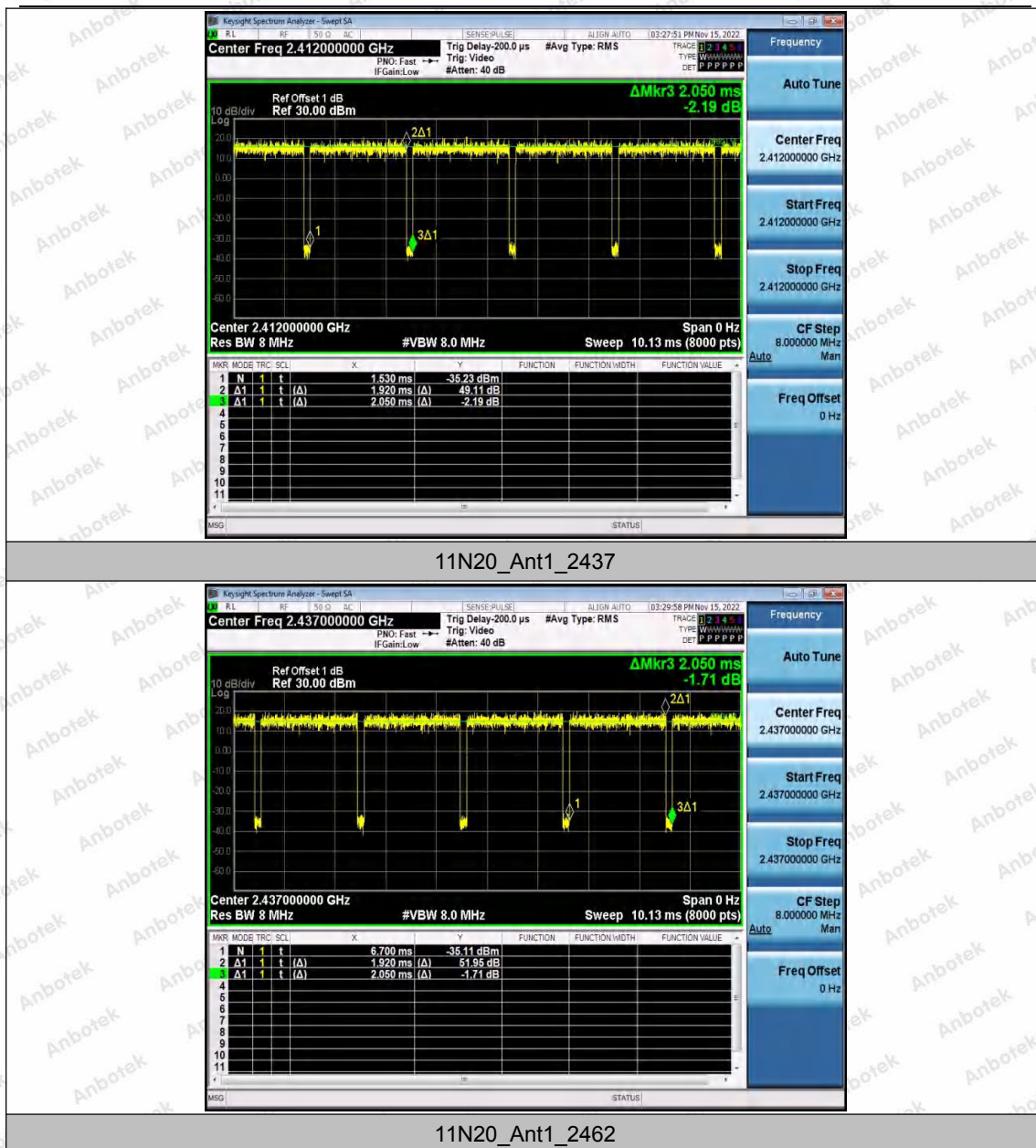
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