

Appendix Test Data

Report No.:	18220WC20273502	Test Sample No.:	1-2-2
Start Test Date:	2022.11.30	Finish Test Date:	2022.12.7
Test Engineer:		Auditor:	
Temperature:	24.3C°	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	9.560	2407.480	2417.040	≥0.5	PASS
		2437	8.560	2432.480	2441.040	≥0.5	PASS
		2462	9.120	2457.440	2466.560	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.560	2403.240	2420.800	≥0.5	PASS
		2437	17.560	2428.200	2445.760	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

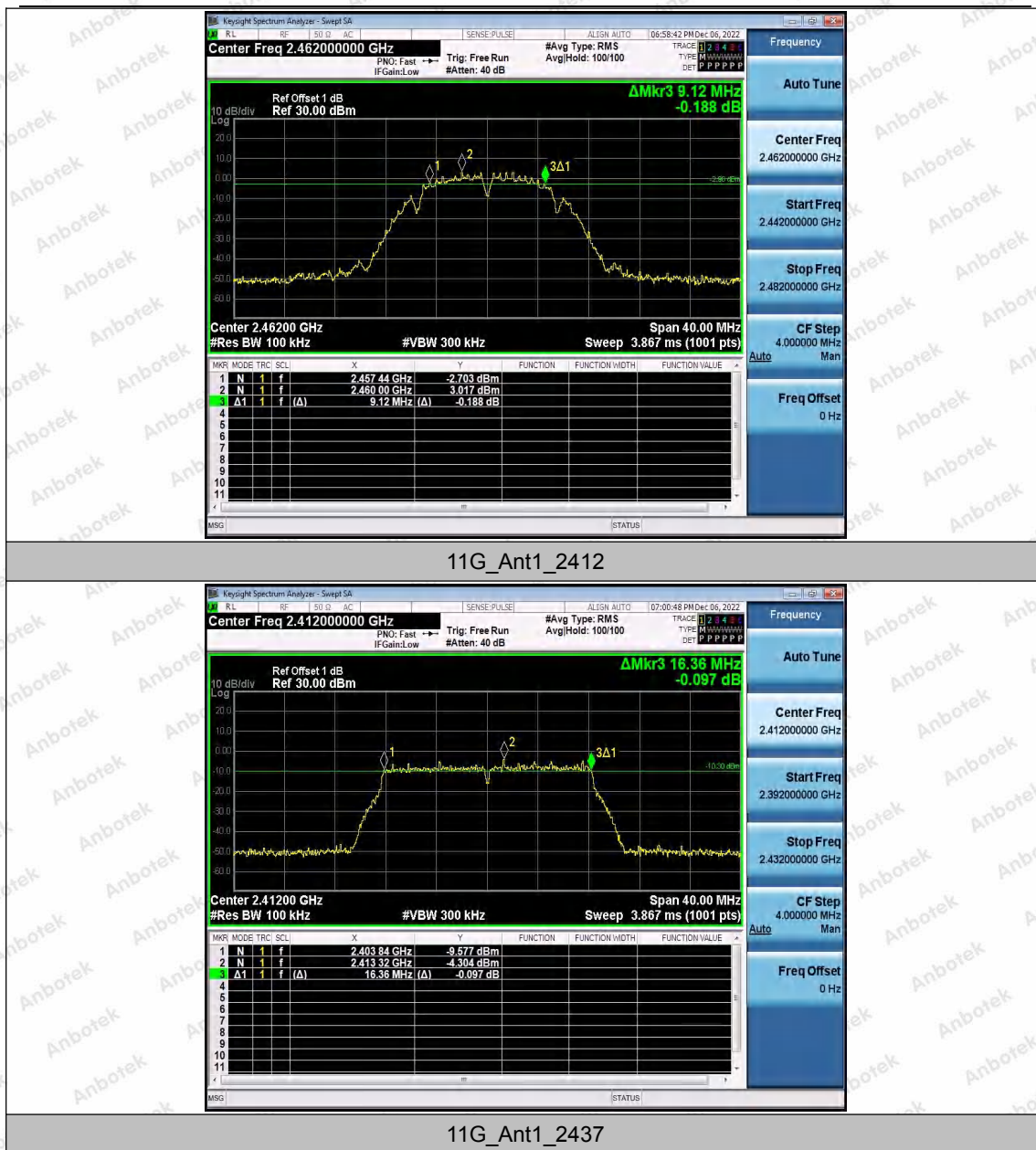
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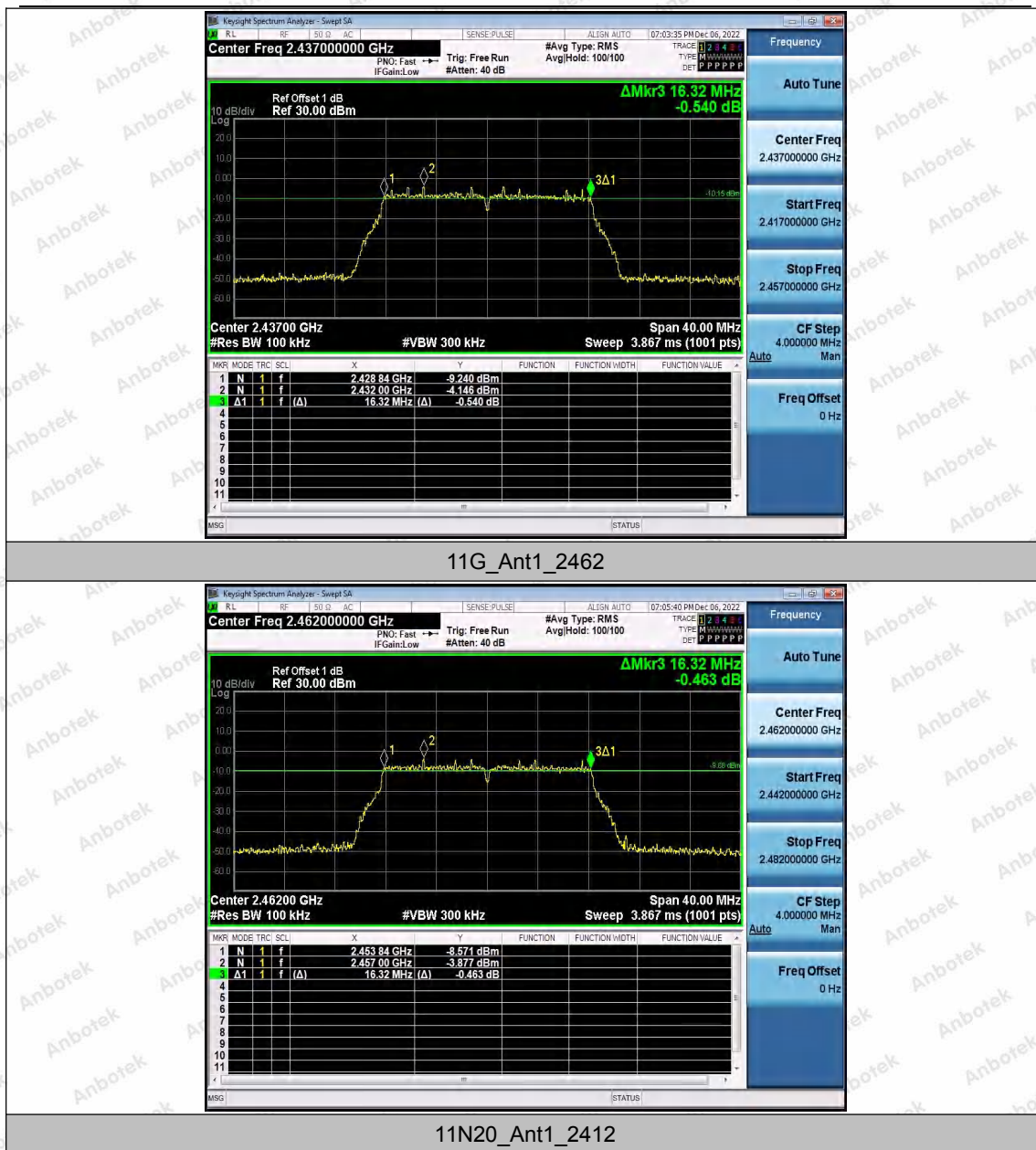
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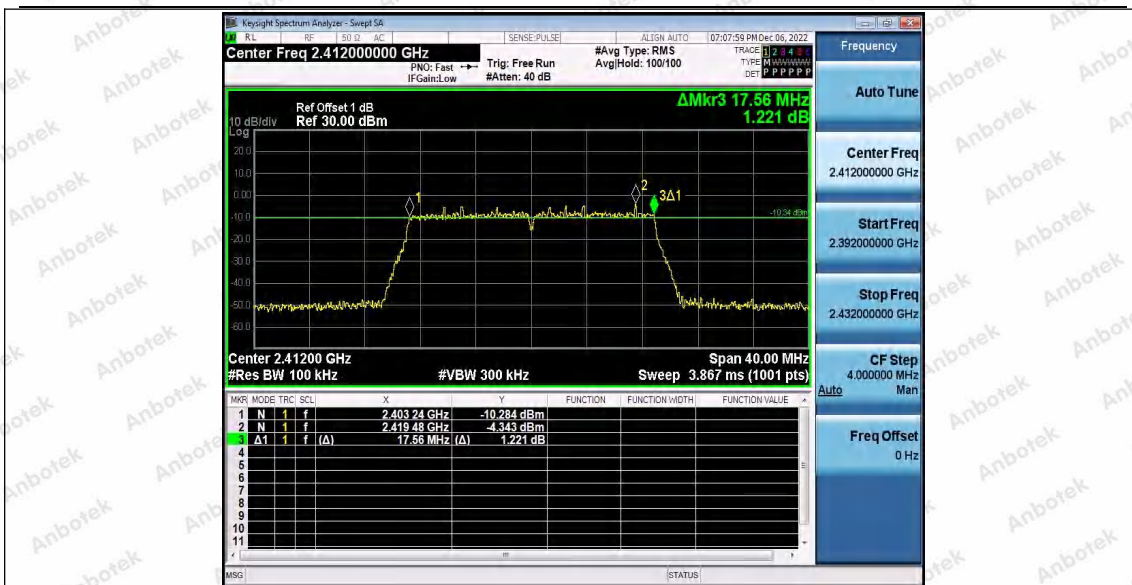
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11N20_Ant1_2437



11N20_Ant1_2462

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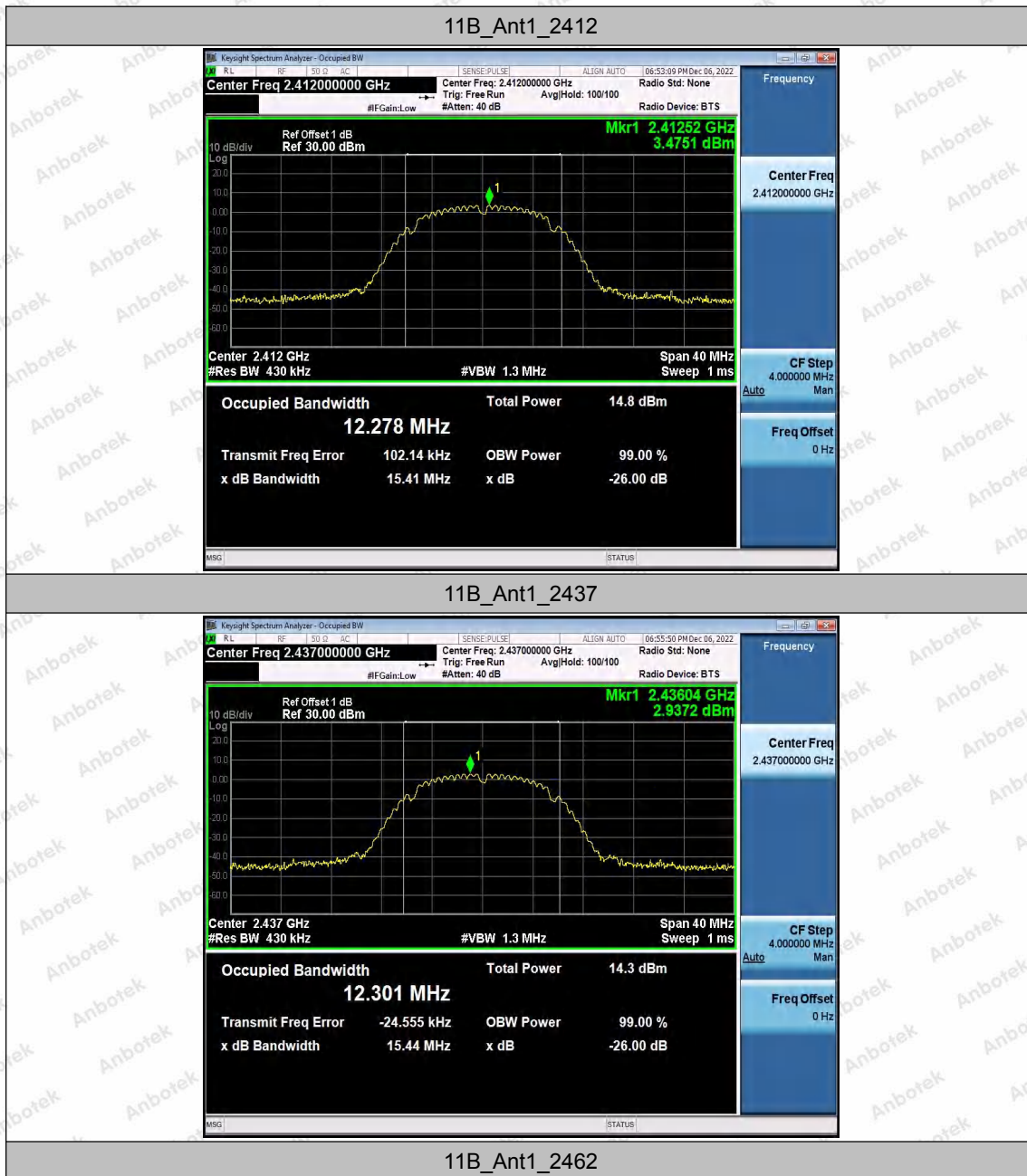
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.278	2405.9631	2418.2411
		2437	12.301	2430.8250	2443.1260
		2462	12.329	2455.8428	2468.1718
11G	Ant1	2412	16.994	2403.6175	2420.6115
		2437	17.039	2428.4467	2445.4857
		2462	17.121	2453.4115	2470.5325
11N20	Ant1	2412	17.957	2403.1177	2421.0747
		2437	17.936	2428.0015	2445.9375
		2462	17.962	2453.0176	2470.9796



Test Graphs



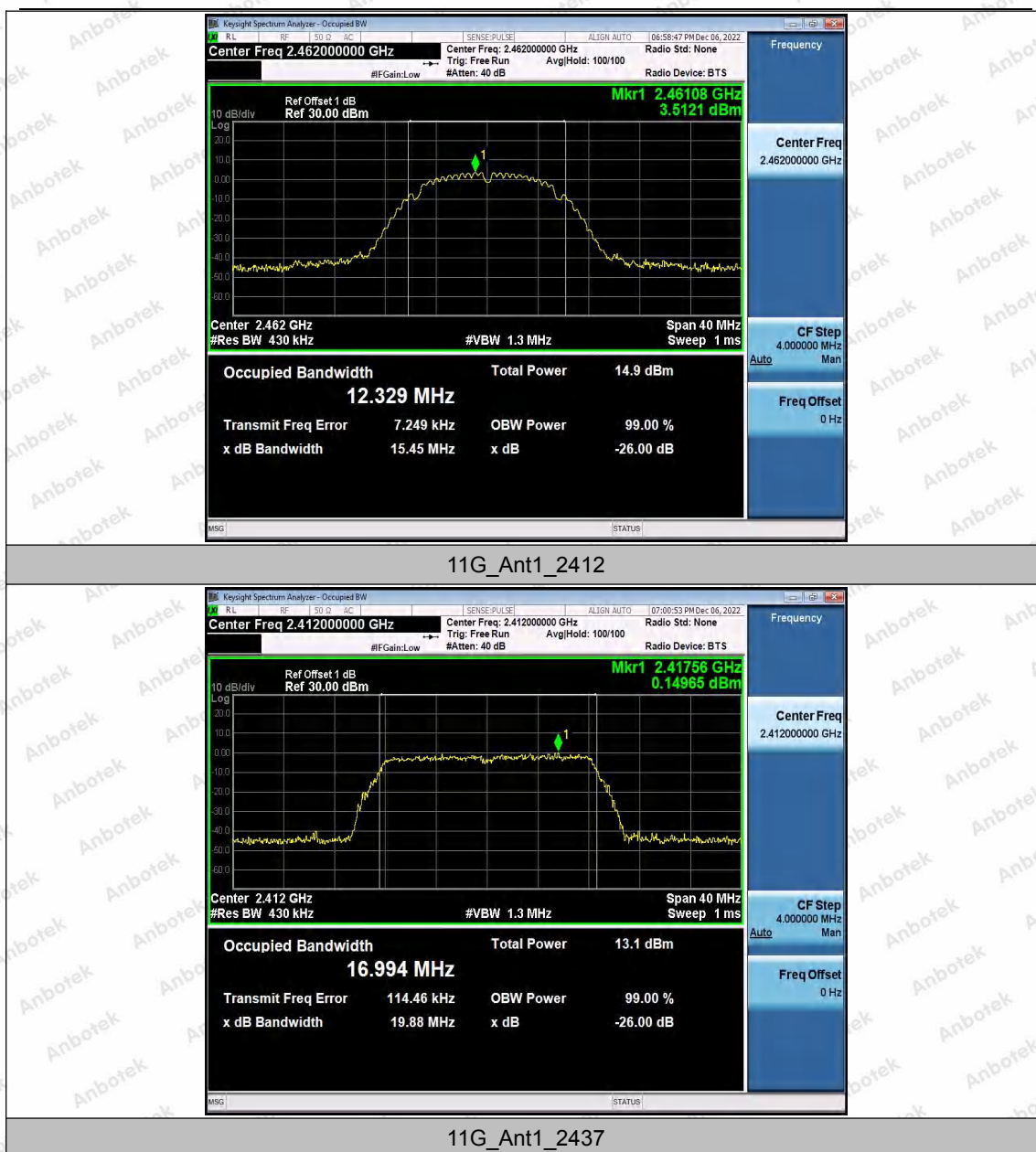
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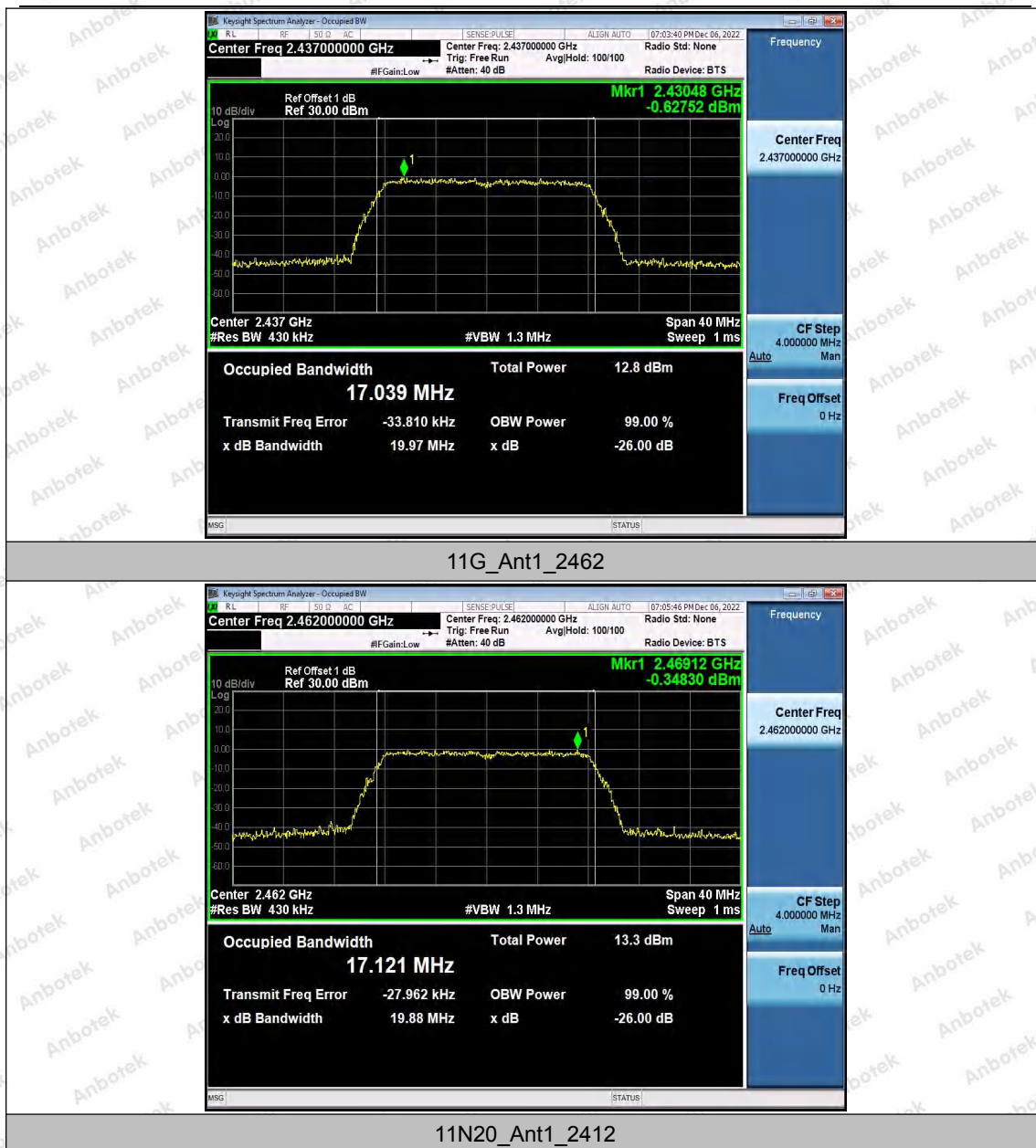
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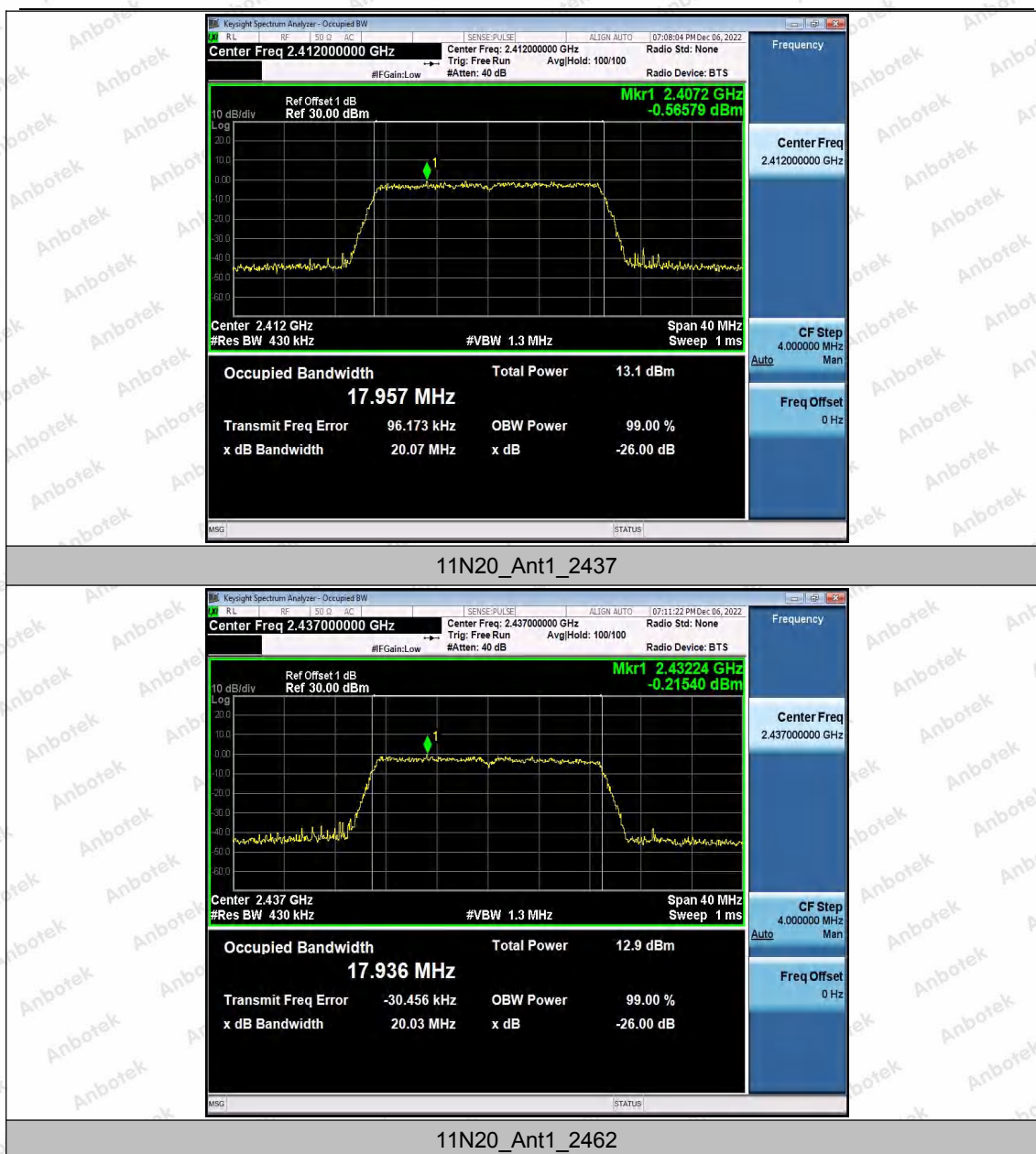
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.09	≤30.00
		2437	14.32	≤30.00
		2462	15.19	≤30.00
11G	Ant1	2412	14.25	≤30.00
		2437	14.02	≤30.00
		2462	14.46	≤30.00
11N20	Ant1	2412	14.22	≤30.00
		2437	14.07	≤30.00
		2462	14.52	≤30.00



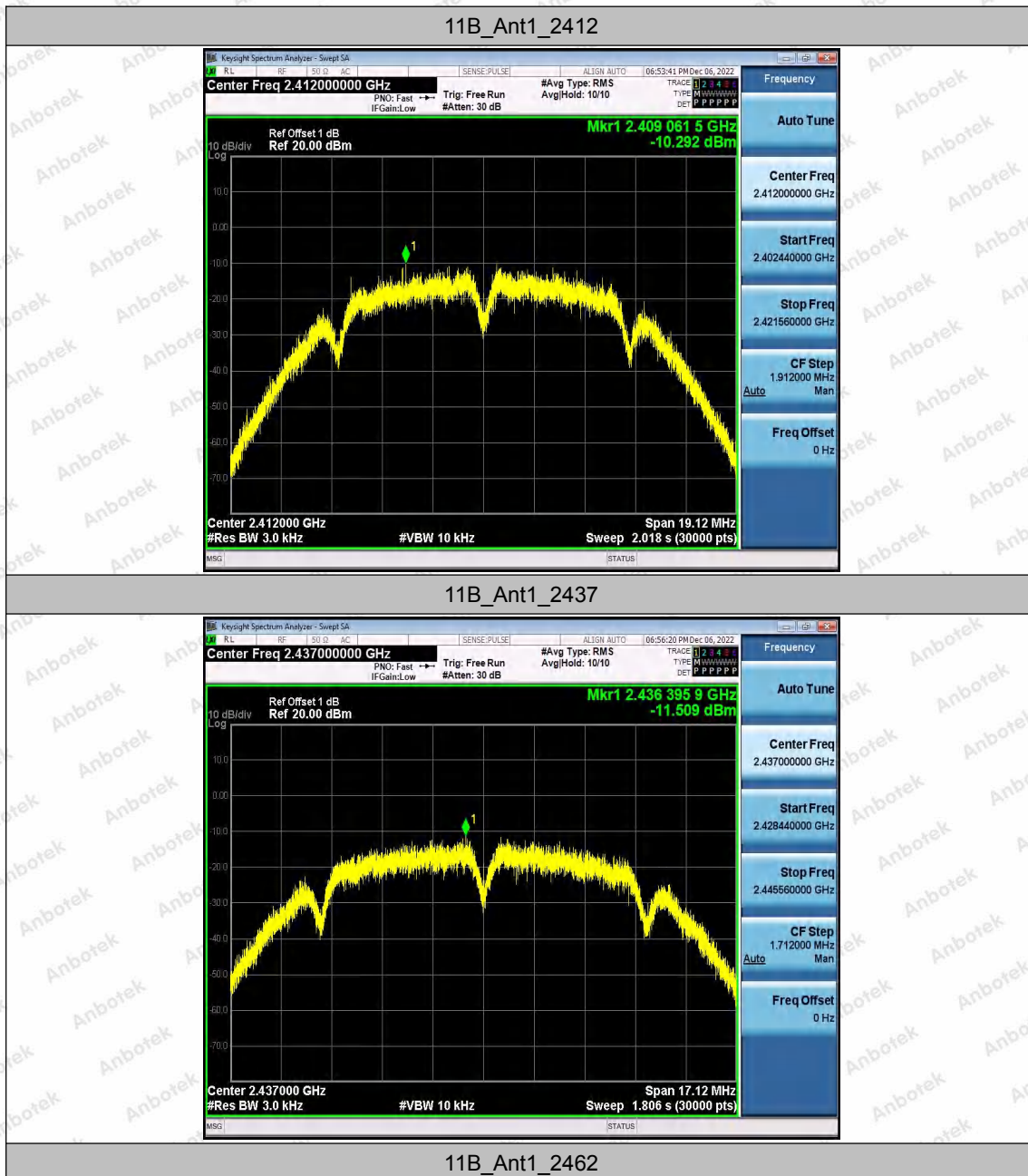
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.29	≤8.00	PASS
		2437	-11.51	≤8.00	PASS
		2462	-10.3	≤8.00	PASS
11G	Ant1	2412	-18.65	≤8.00	PASS
		2437	-17.23	≤8.00	PASS
		2462	-17.29	≤8.00	PASS
11N20	Ant1	2412	-18.85	≤8.00	PASS
		2437	-16.03	≤8.00	PASS
		2462	-18.08	≤8.00	PASS



Test Graphs



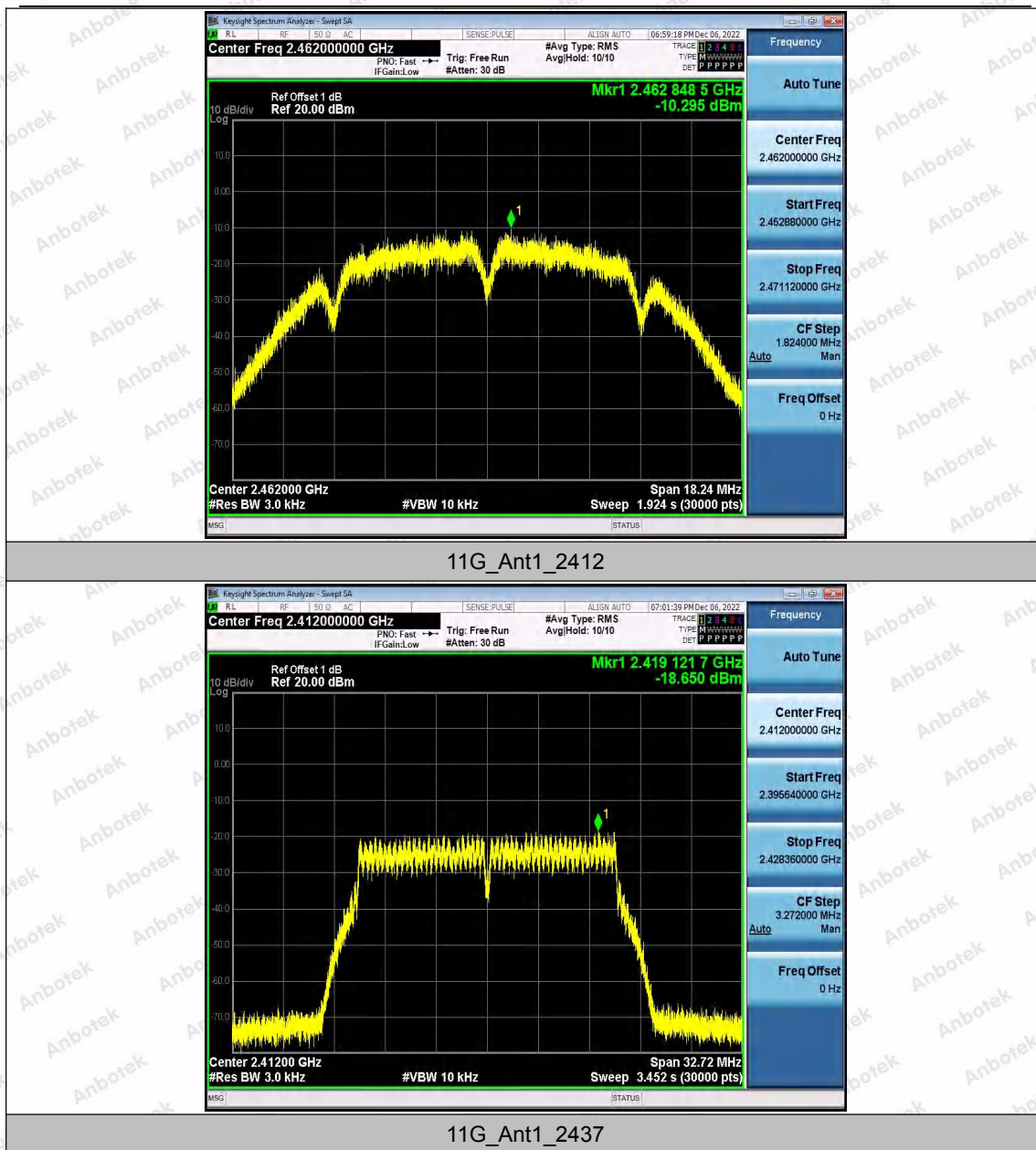
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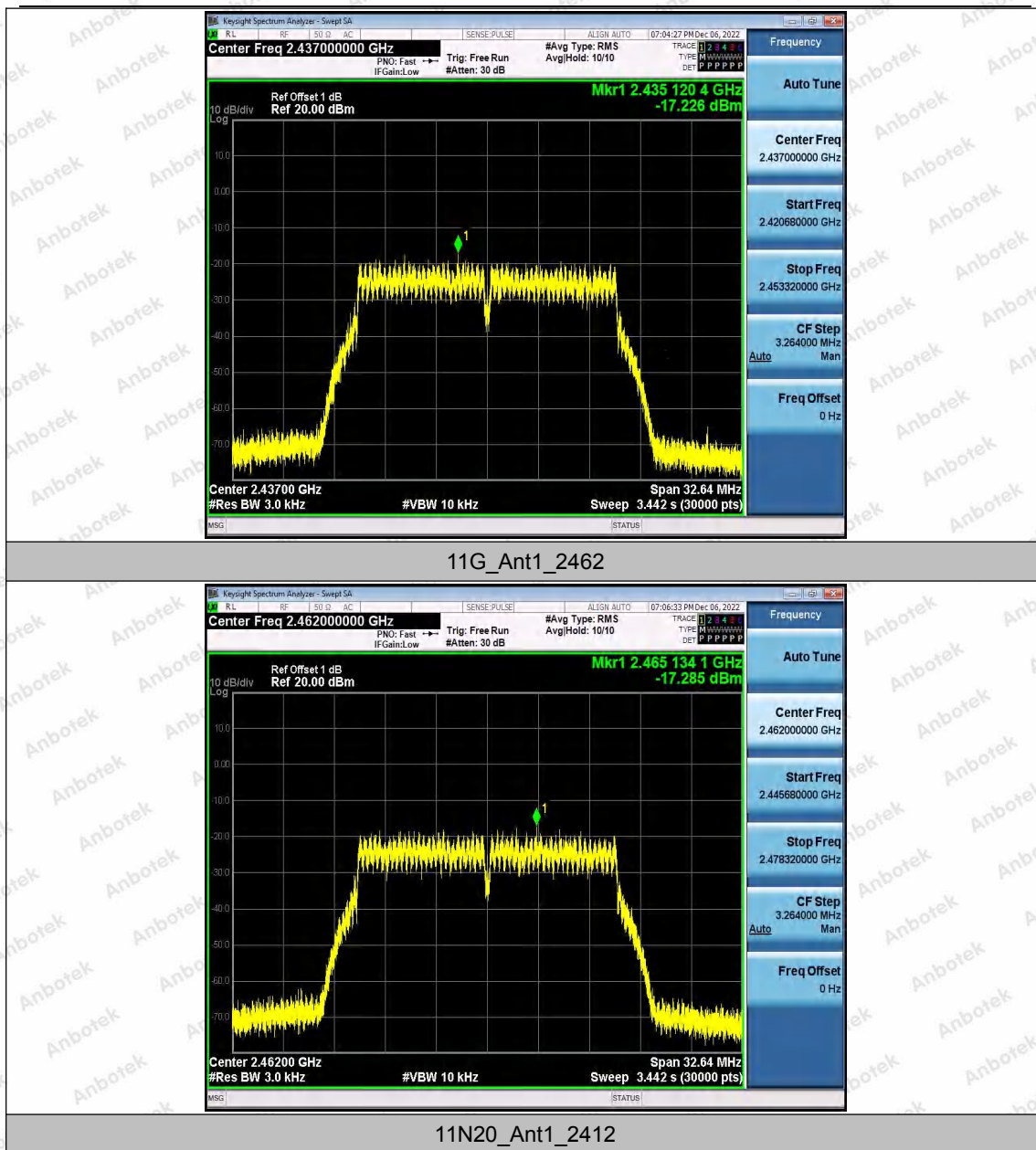
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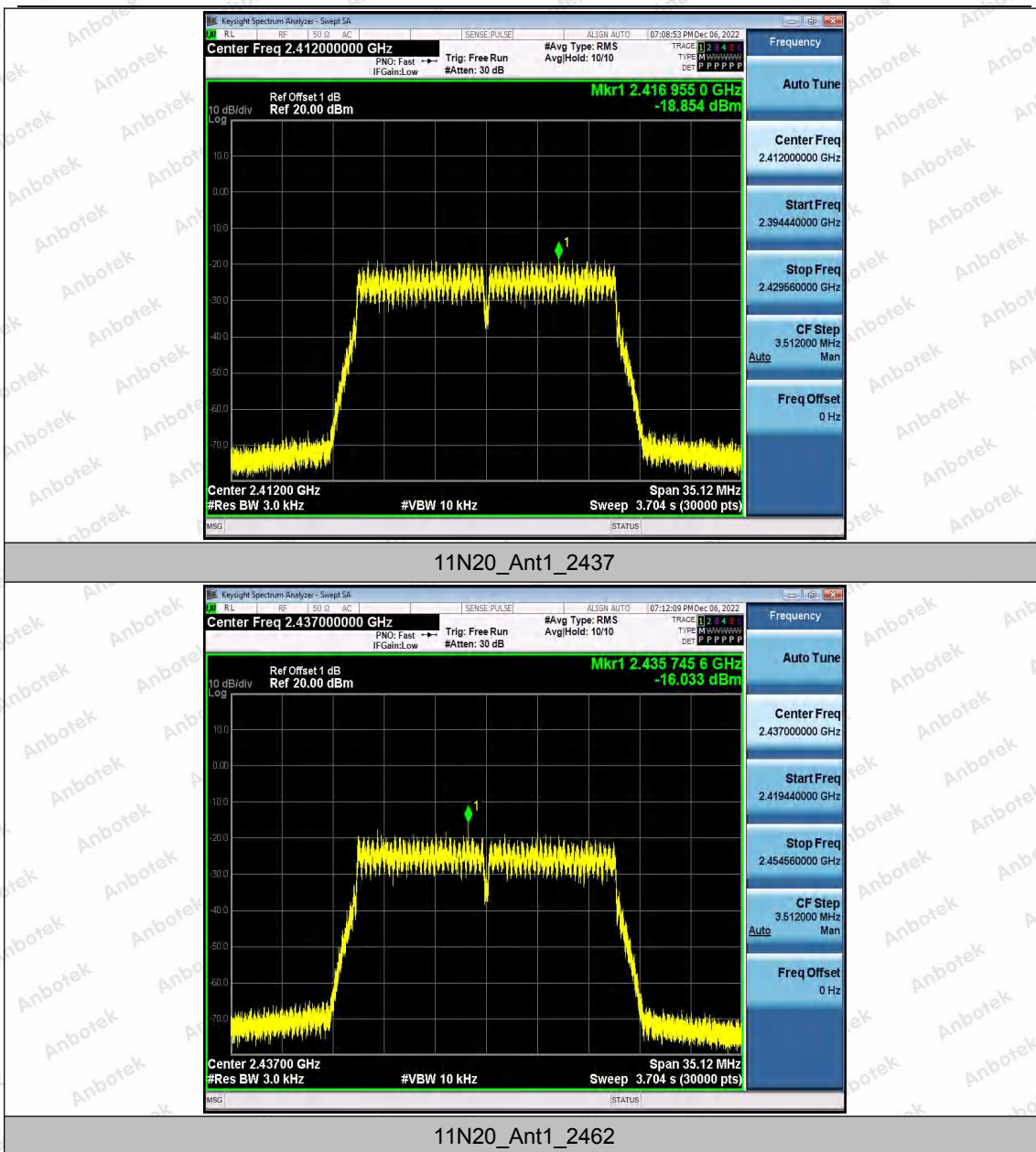
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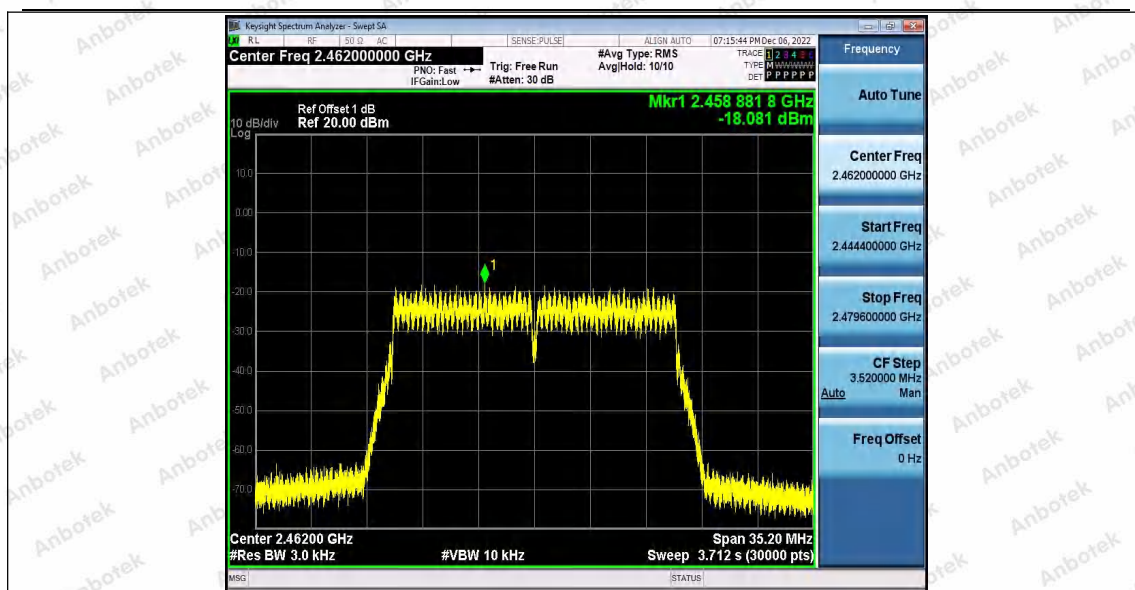
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.39	-50.45	≤-16.61	PASS
		High	2462	2.85	-56.71	≤-17.15	PASS
11G	Ant1	Low	2412	-4.20	-52.56	≤-24.2	PASS
		High	2462	-4.33	-55.37	≤-24.33	PASS
11N20	Ant1	Low	2412	-3.86	-47.97	≤-23.86	PASS
		High	2462	-4.05	-52.44	≤-24.05	PASS

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Test Graphs



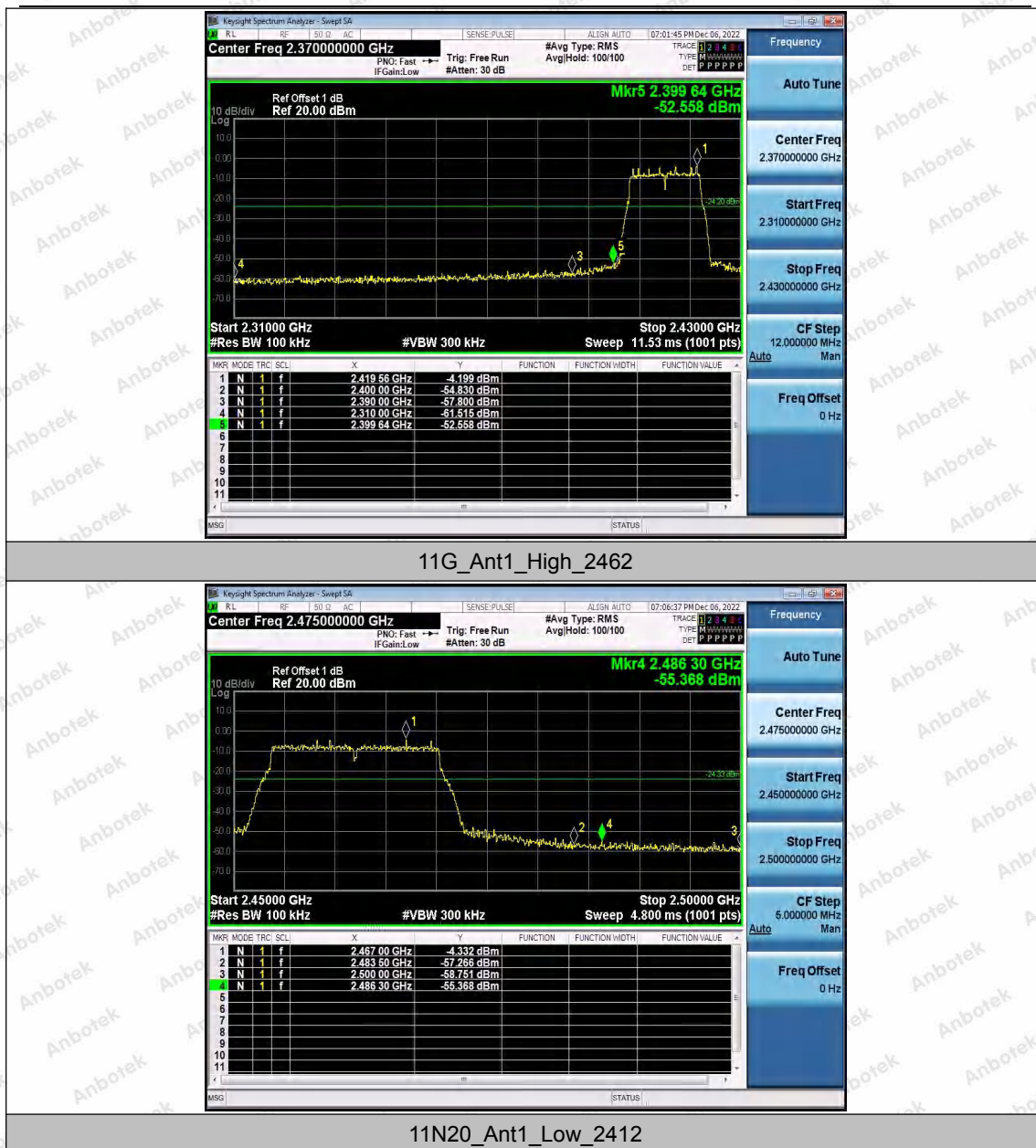
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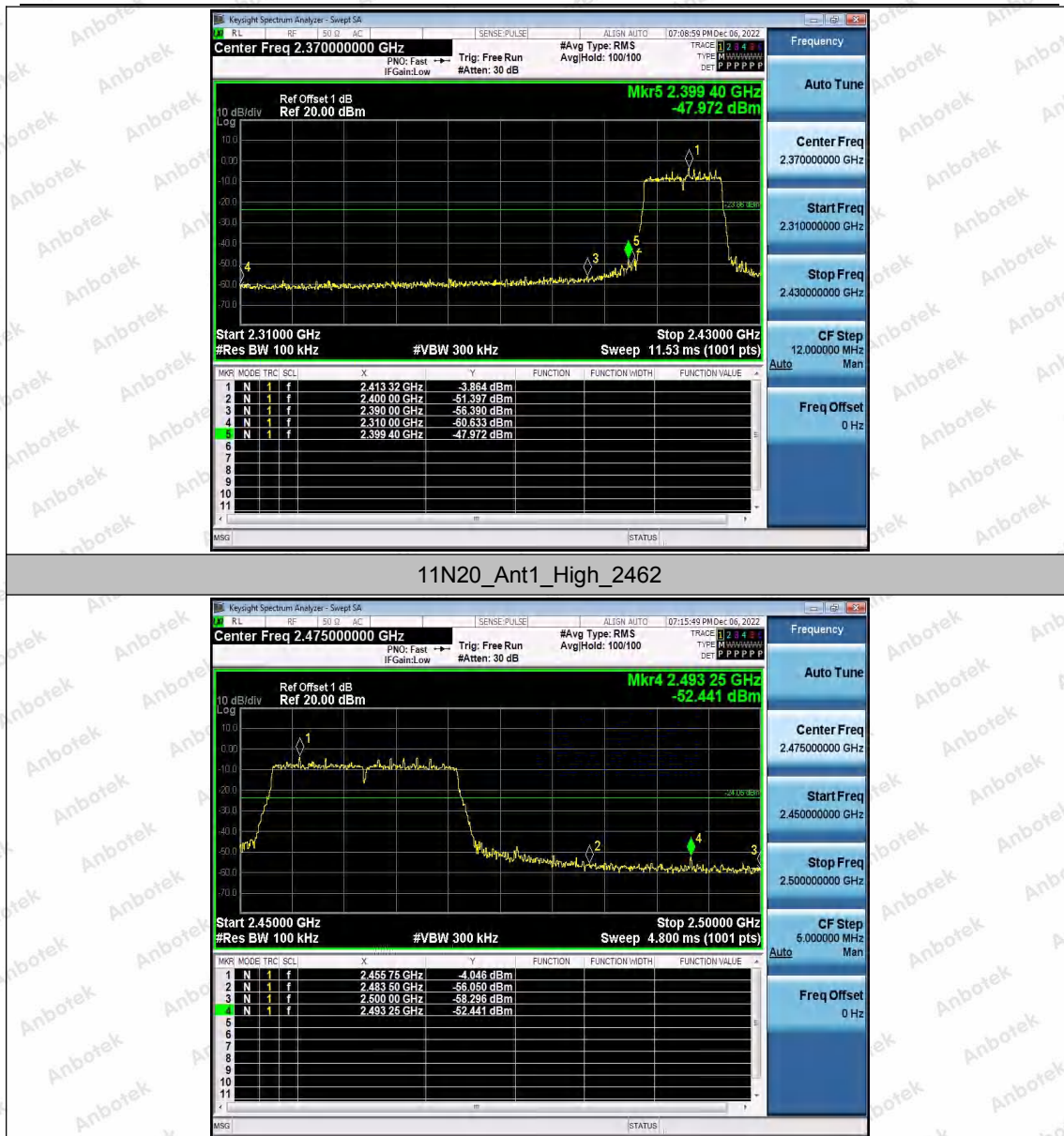
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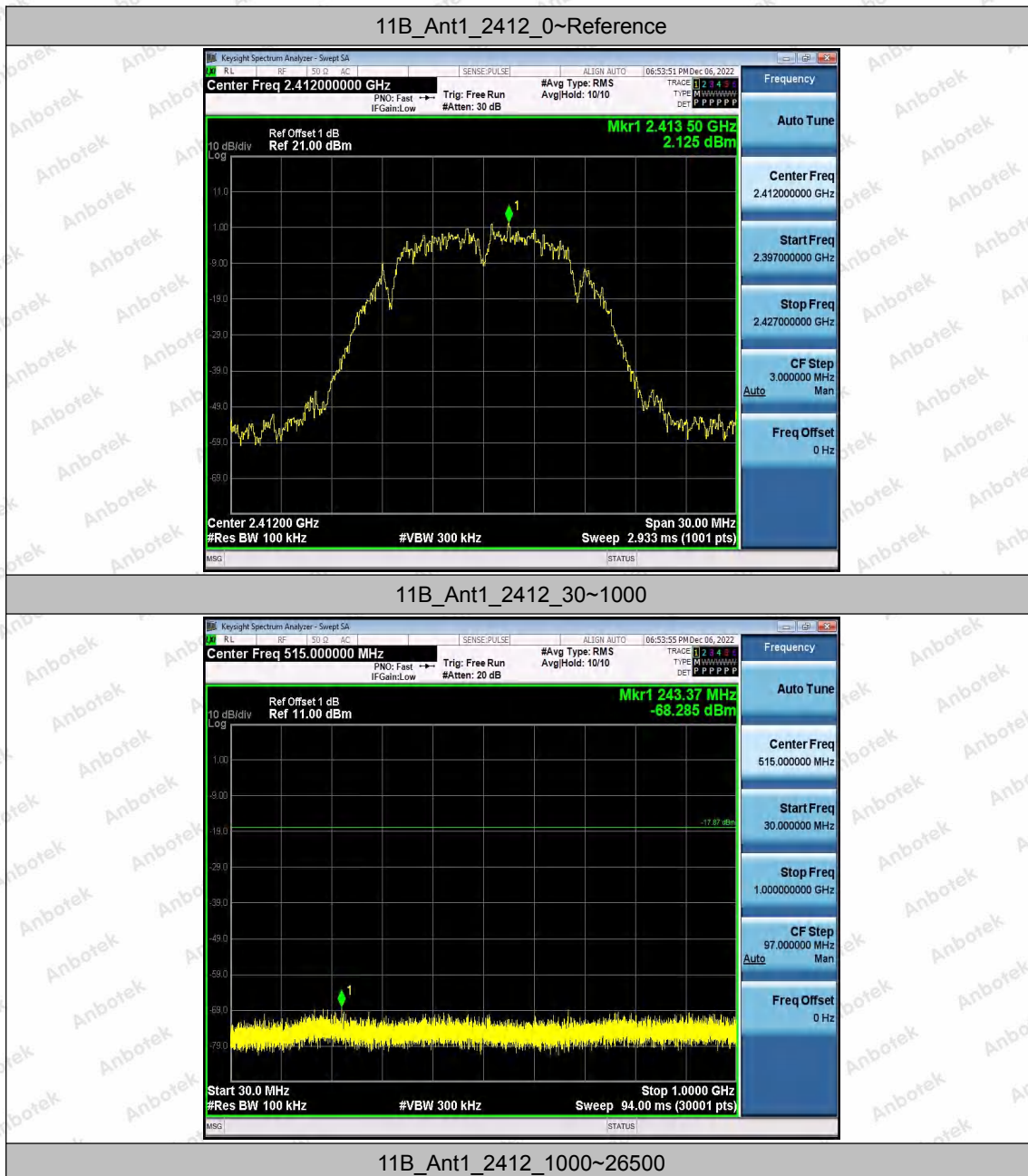
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.13	2.13	---	PASS
			30~1000	2.13	-68.29	≤-17.87	PASS
			1000~26500	2.13	-53.46	≤-17.87	PASS
		2437	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-68.33	≤-18.17	PASS
			1000~26500	1.83	-53.47	≤-18.17	PASS
		2462	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-68.6	≤-17.08	PASS
			1000~26500	2.92	-53.78	≤-17.08	PASS
11G	Ant1	2412	Reference	-7.05	-7.05	---	PASS
			30~1000	-7.05	-68.01	≤-27.05	PASS
			1000~26500	-7.05	-53.81	≤-27.05	PASS
		2437	Reference	-4.75	-4.75	---	PASS
			30~1000	-4.75	-68.76	≤-24.75	PASS
			1000~26500	-4.75	-50.81	≤-24.75	PASS
		2462	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-68.98	≤-24.26	PASS
			1000~26500	-4.26	-53.6	≤-24.26	PASS
11N20	Ant1	2412	Reference	-4.91	-4.91	---	PASS
			30~1000	-4.91	-69.03	≤-24.91	PASS
			1000~26500	-4.91	-52.75	≤-24.91	PASS
		2437	Reference	-6.96	-6.96	---	PASS
			30~1000	-6.96	-68.55	≤-26.96	PASS
			1000~26500	-6.96	-53.25	≤-26.96	PASS
		2462	Reference	-6.55	-6.55	---	PASS
			30~1000	-6.55	-69.11	≤-26.55	PASS
			1000~26500	-6.55	-53.29	≤-26.55	PASS



Test Graphs



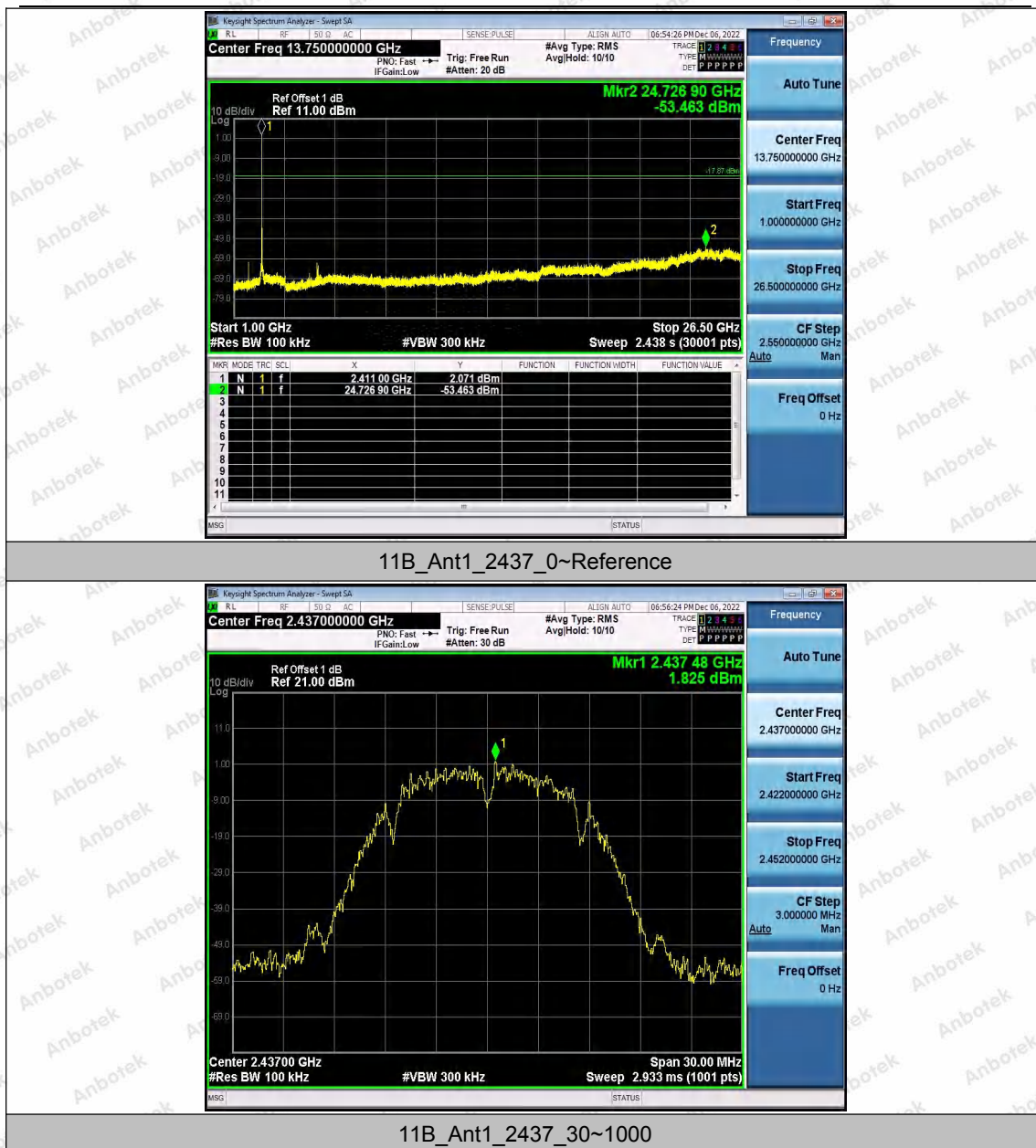
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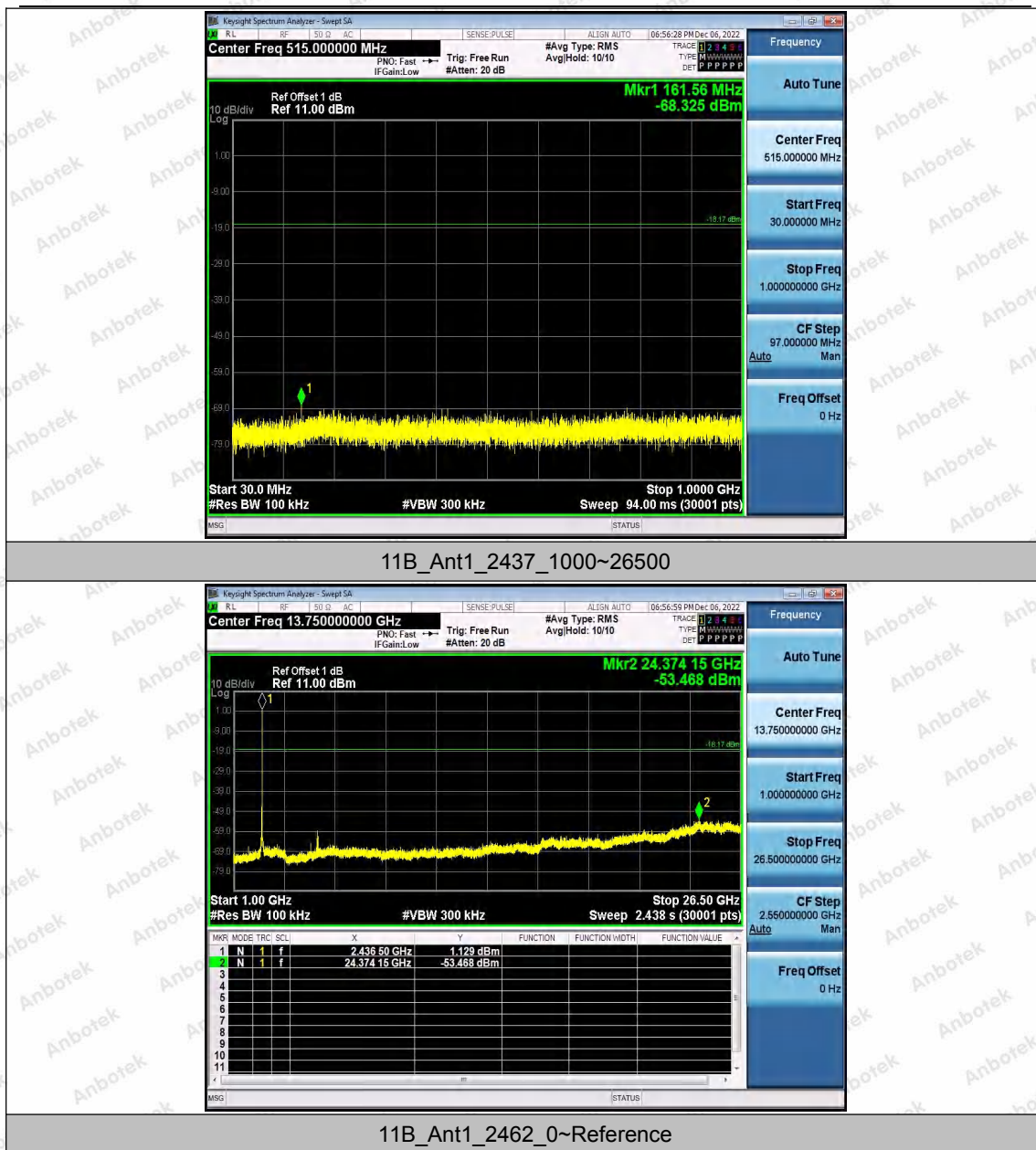
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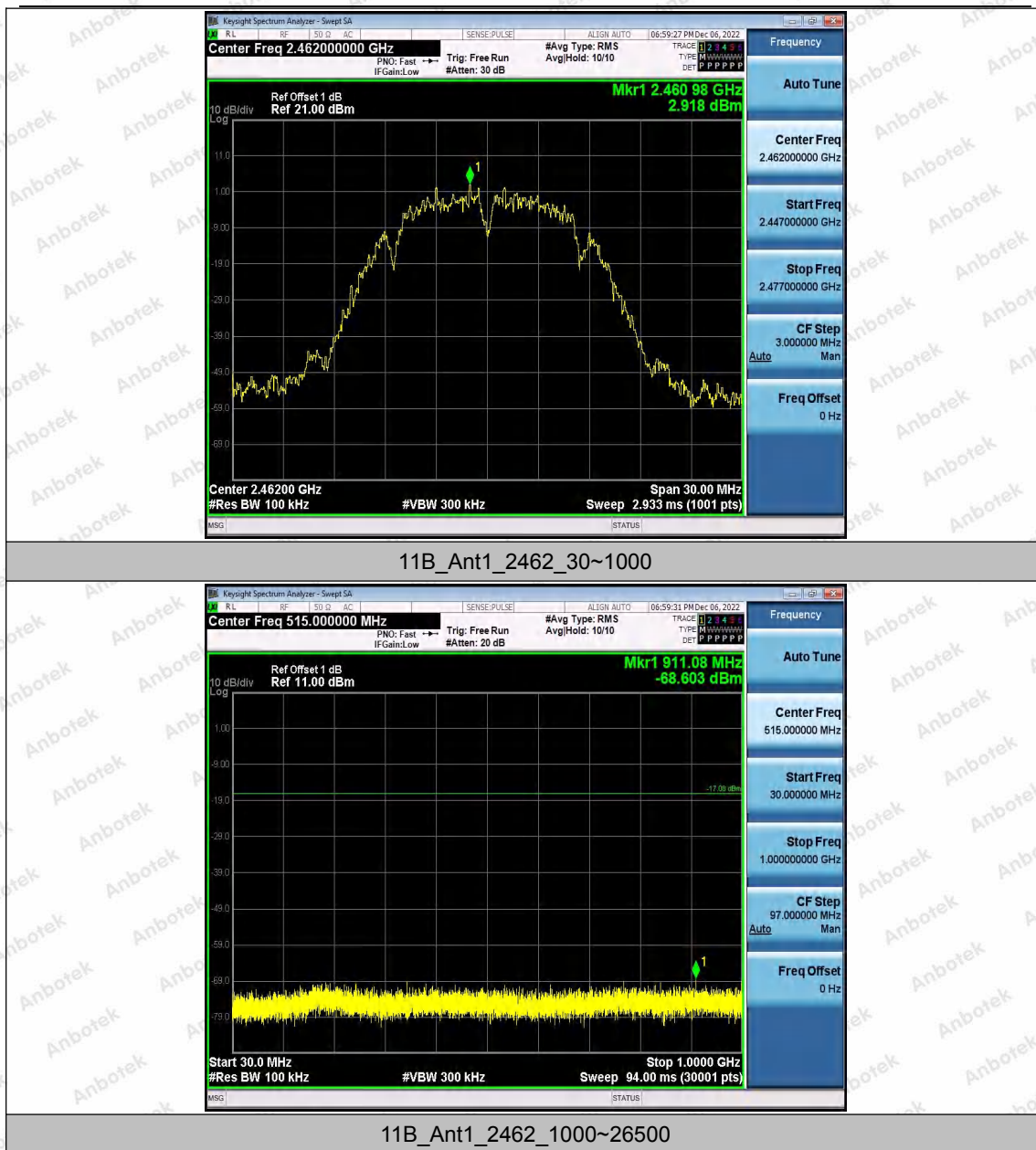
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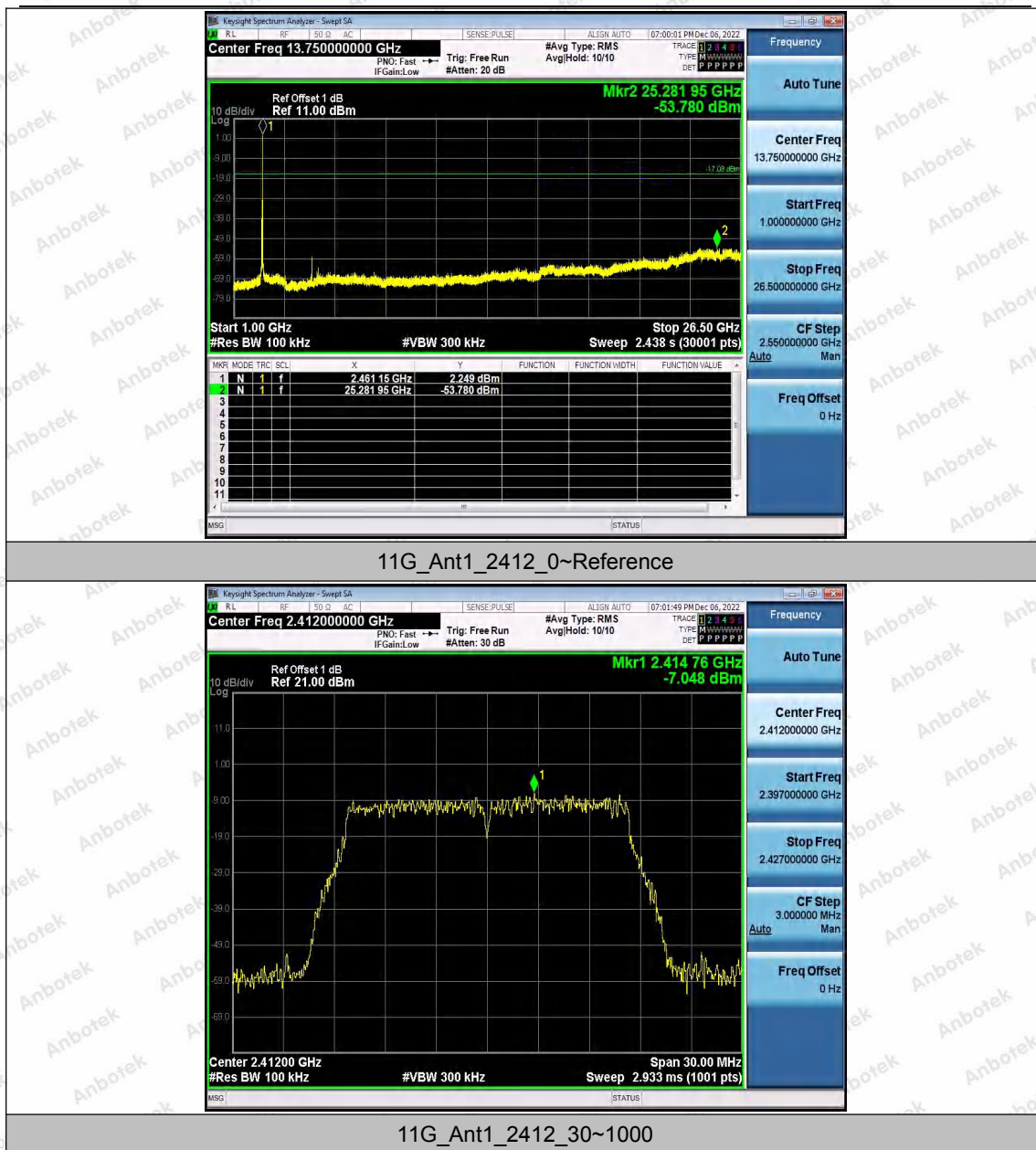
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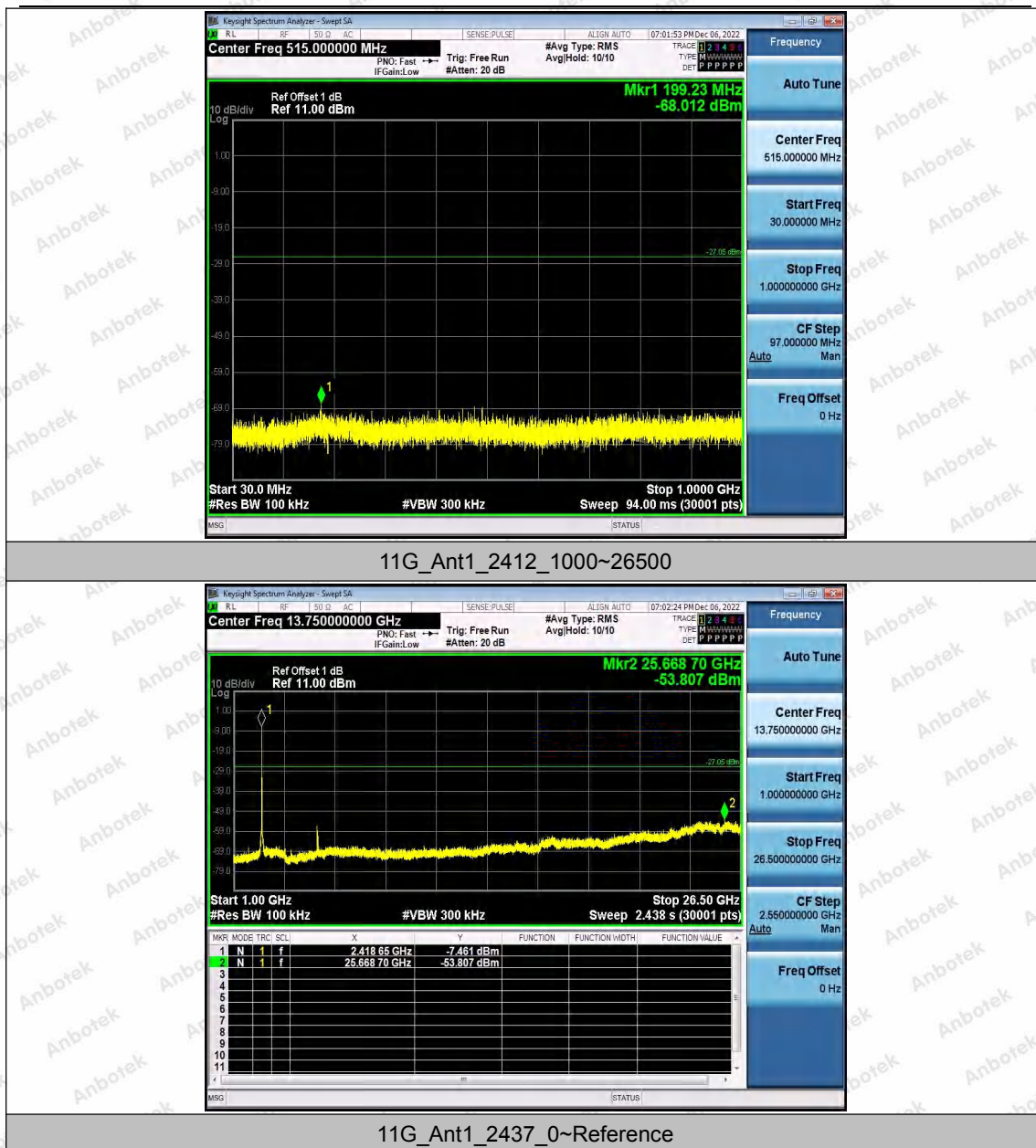
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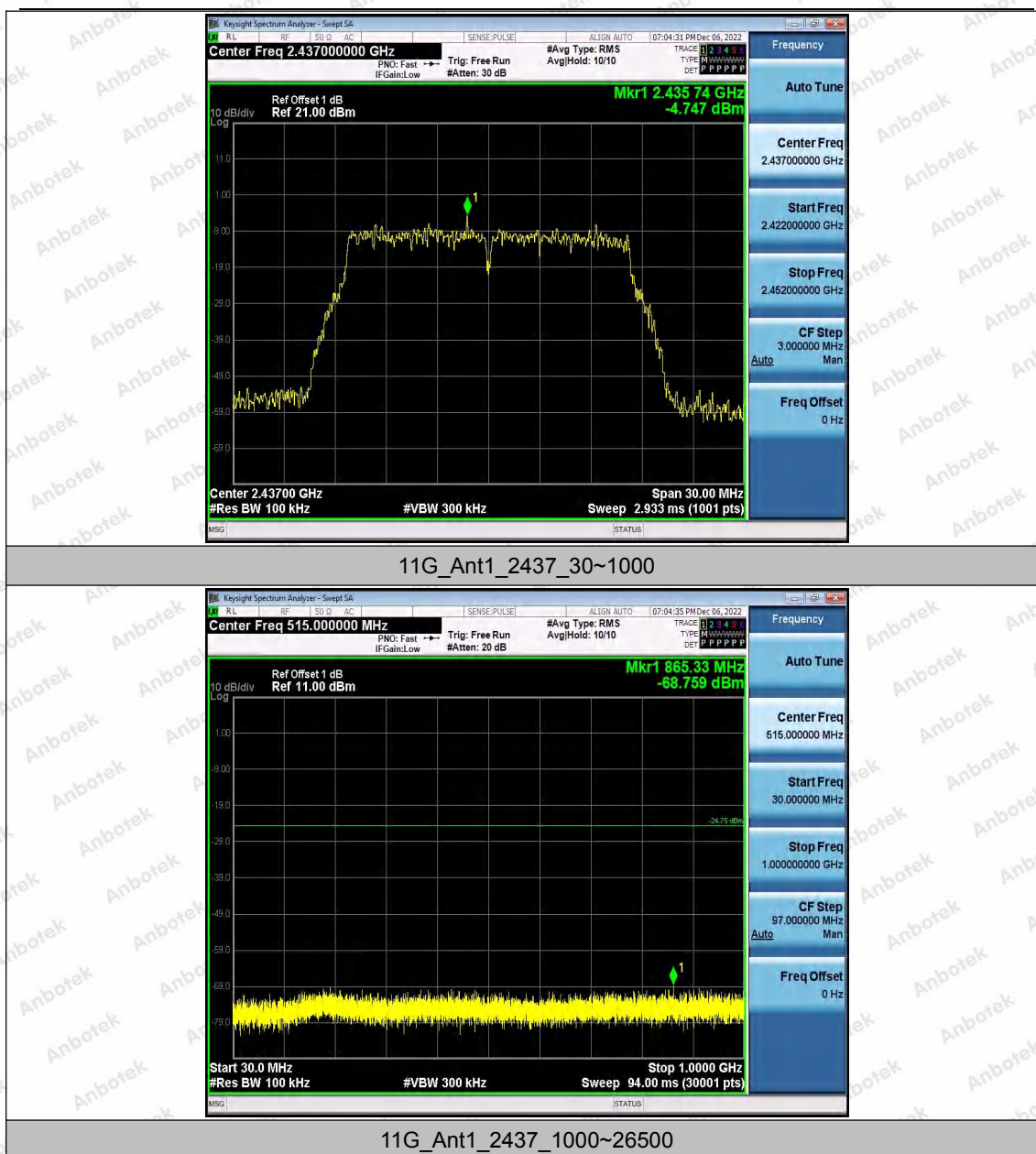
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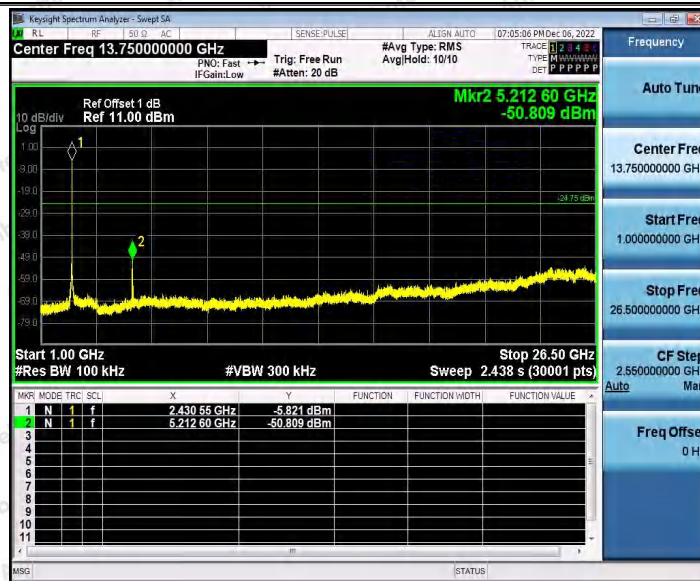
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

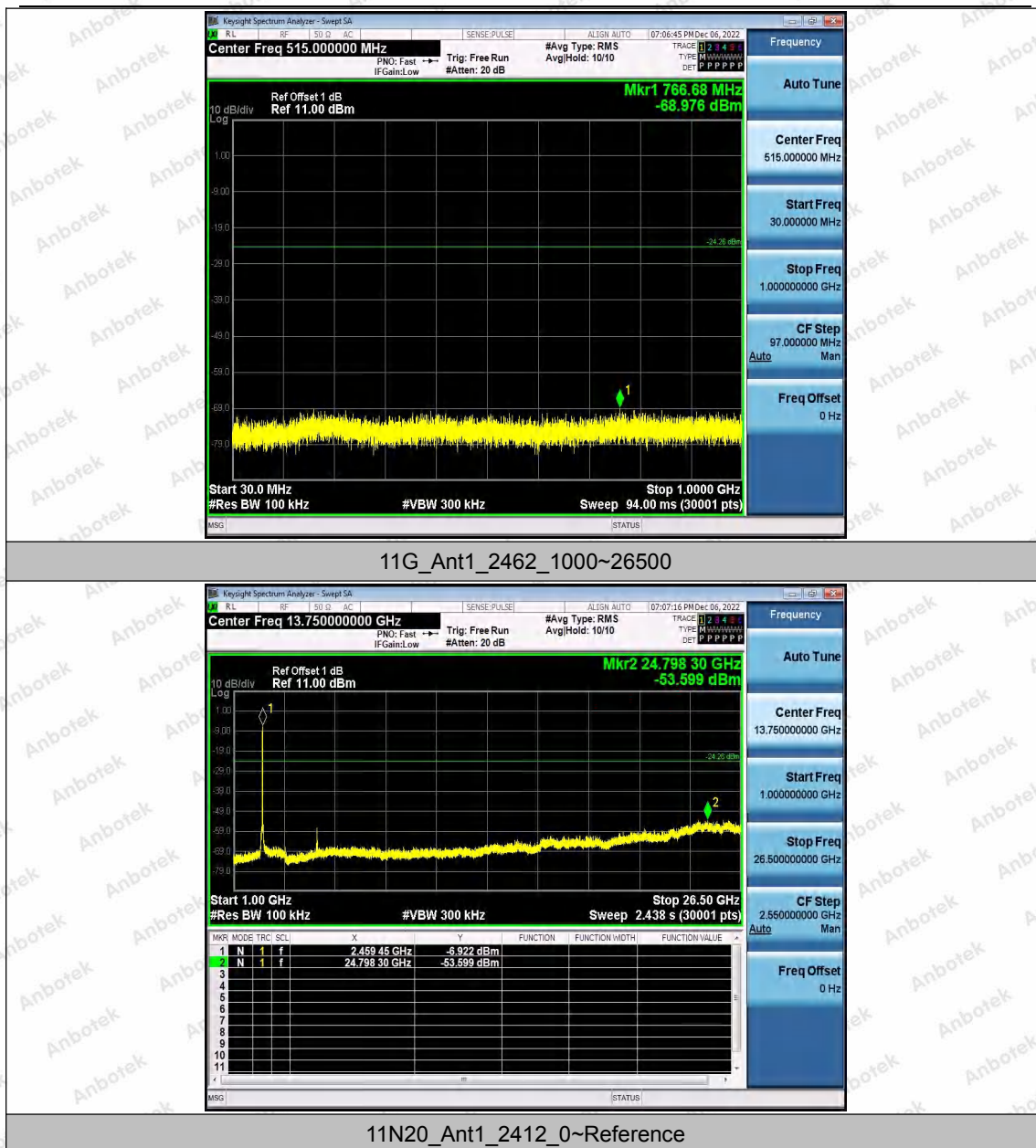
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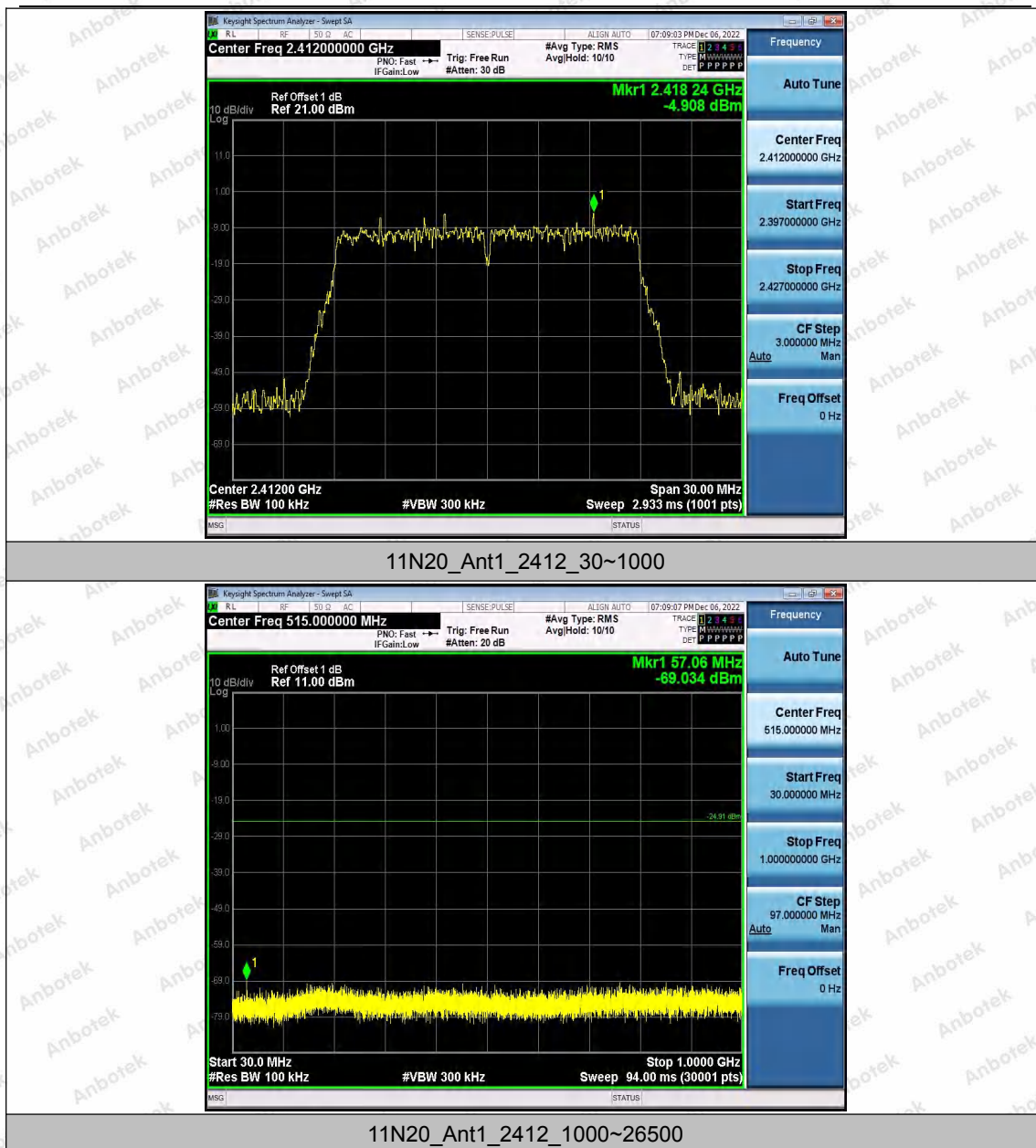
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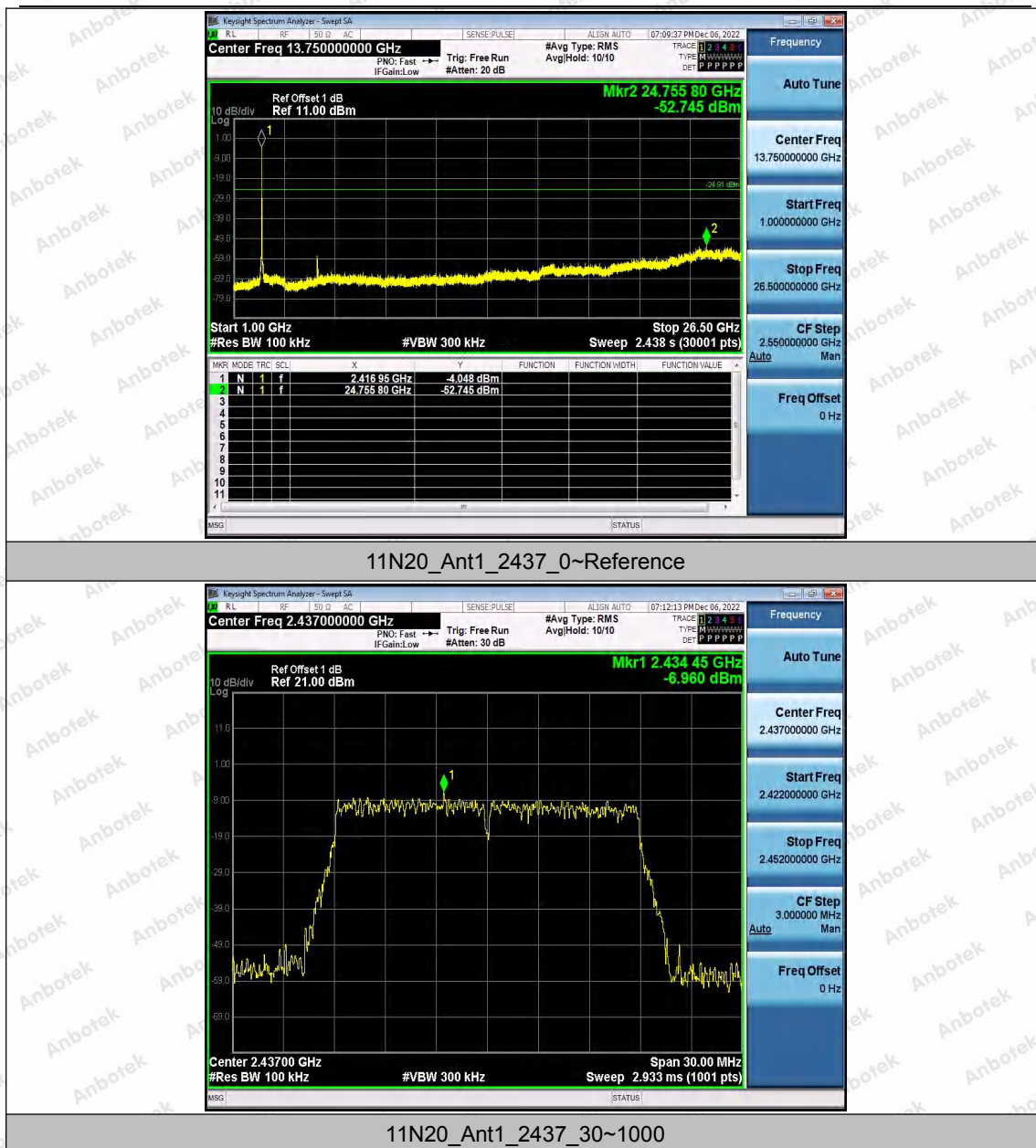
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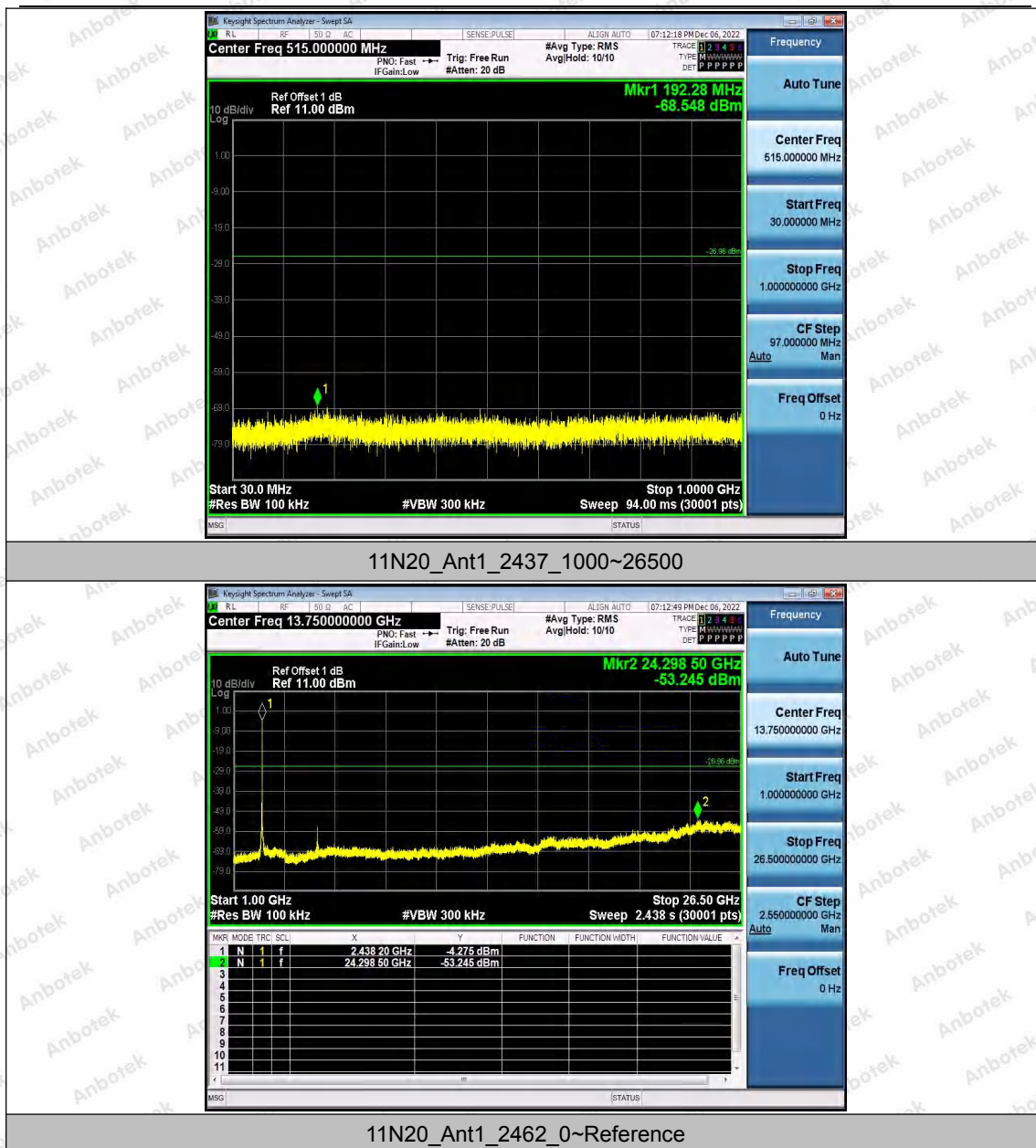
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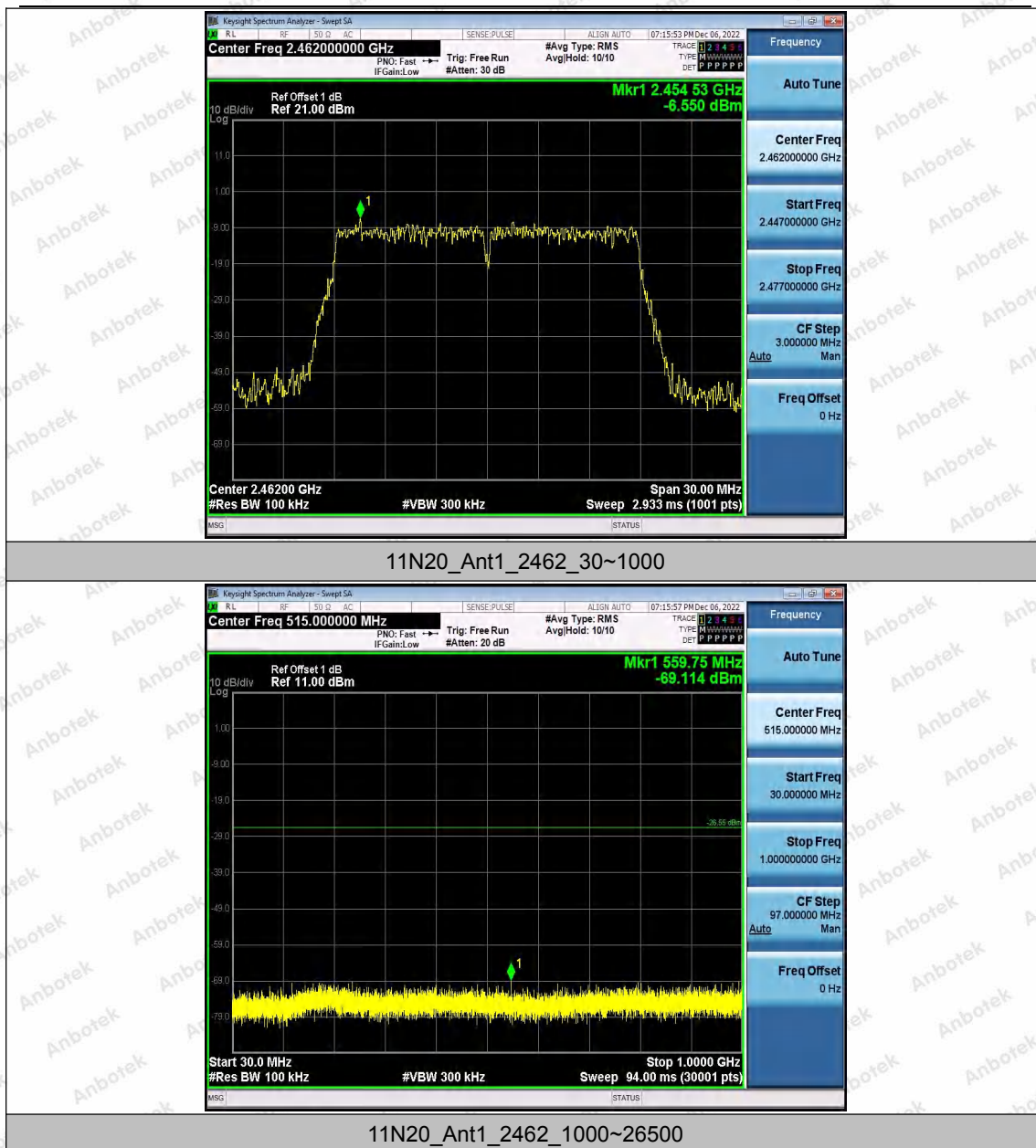
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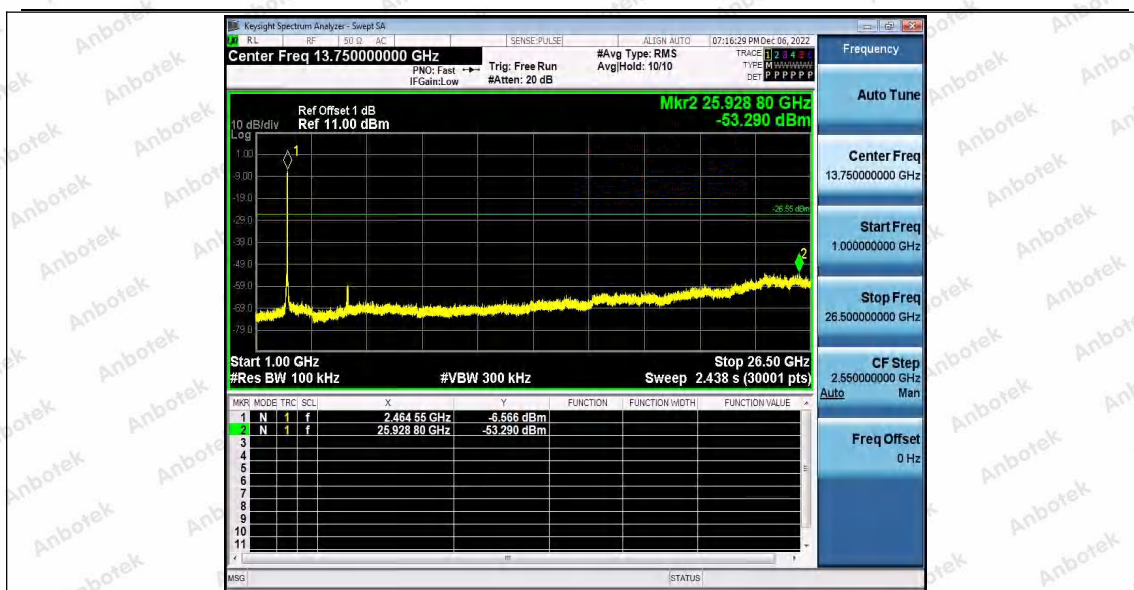
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
		2437	8.39	8.42	99.64	0.02
		2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.40	1.43	97.90	0.09
		2437	1.39	1.43	97.20	0.12
		2462	1.39	1.43	97.20	0.12
11N20	Ant1	2412	1.30	1.34	97.01	0.13
		2437	1.30	1.34	97.01	0.13
		2462	1.30	1.34	97.01	0.13

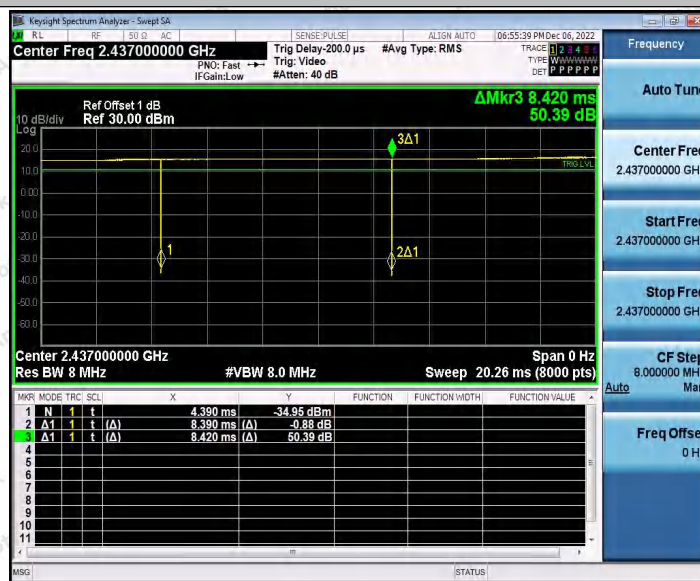


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

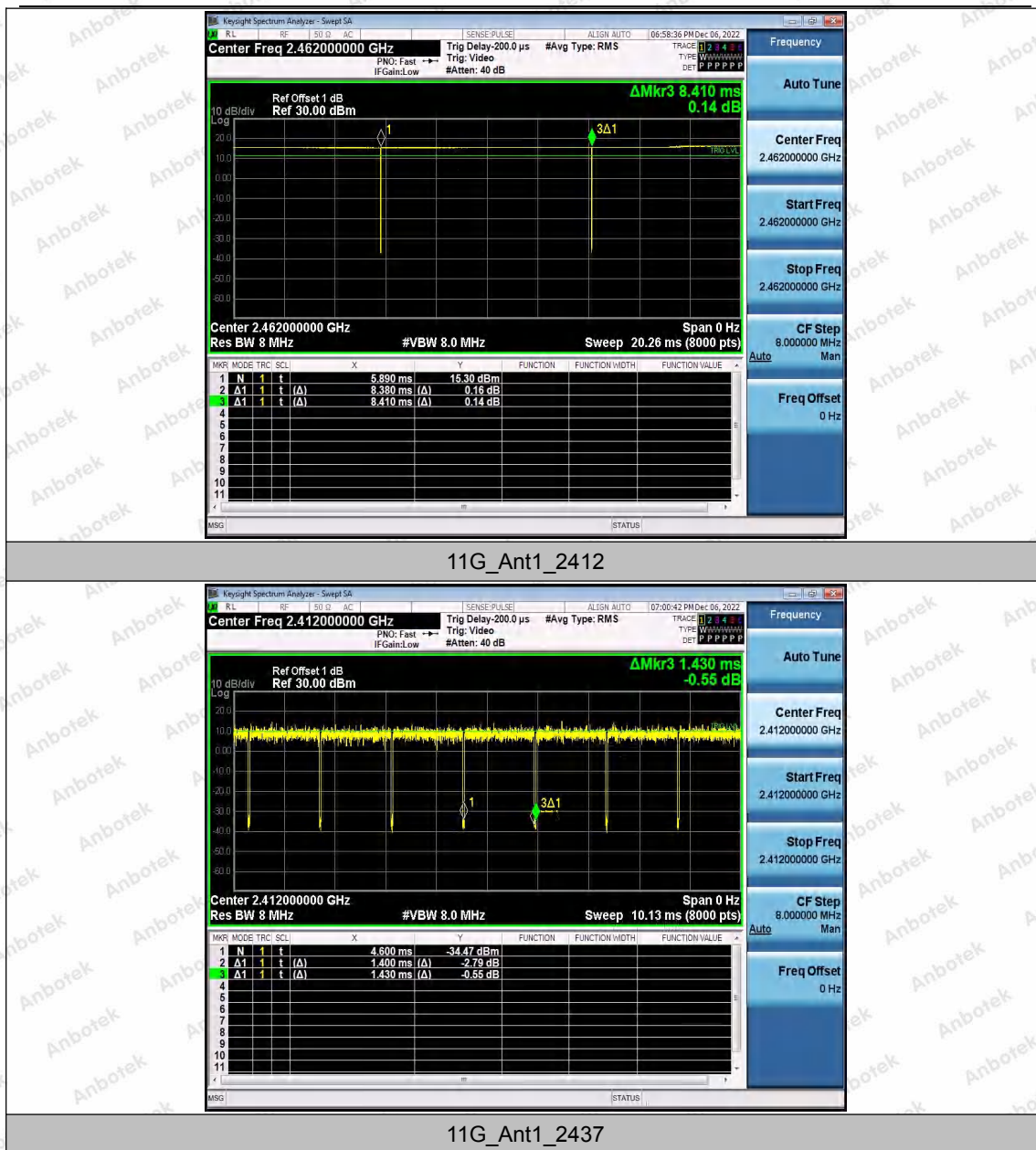
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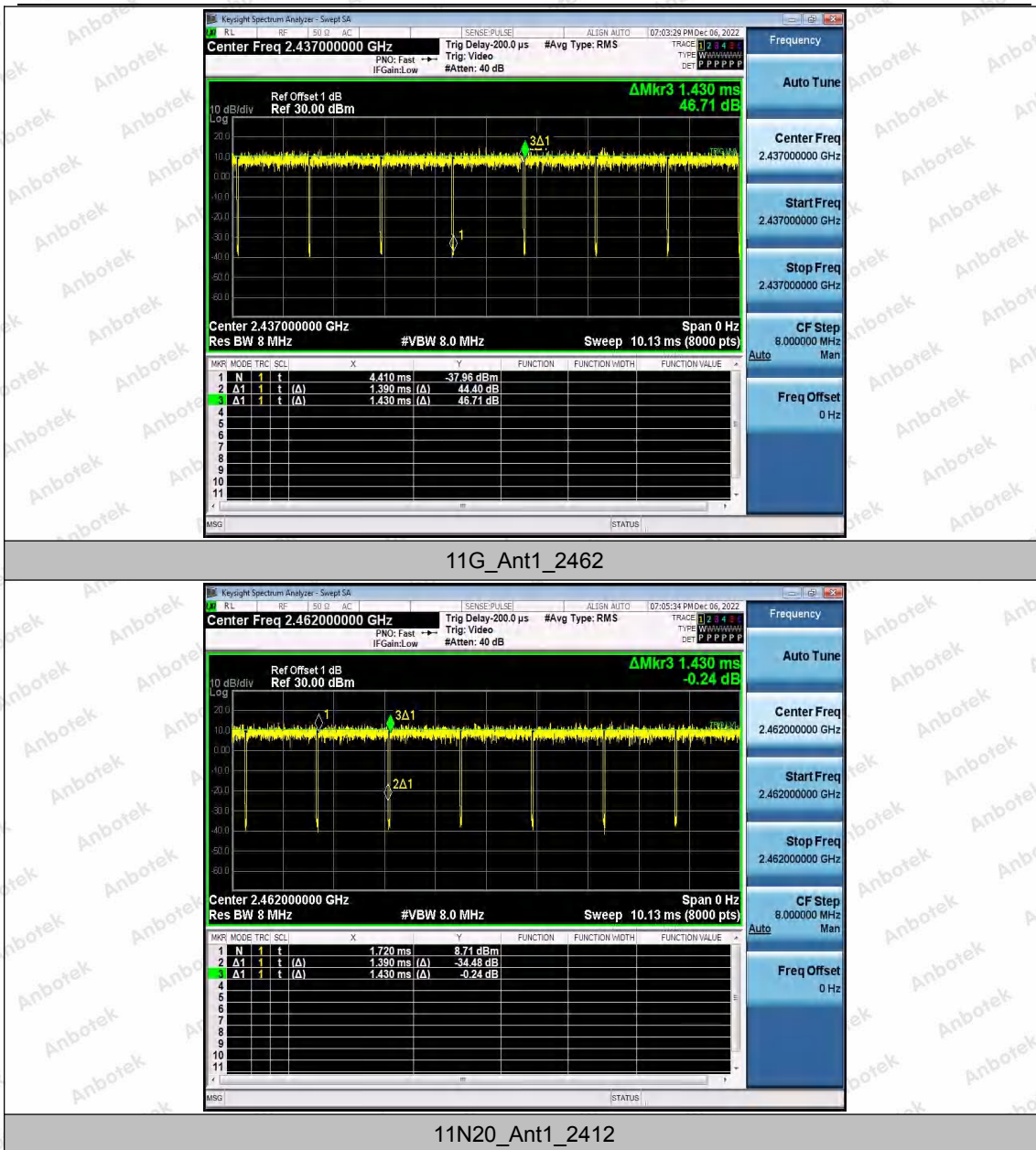
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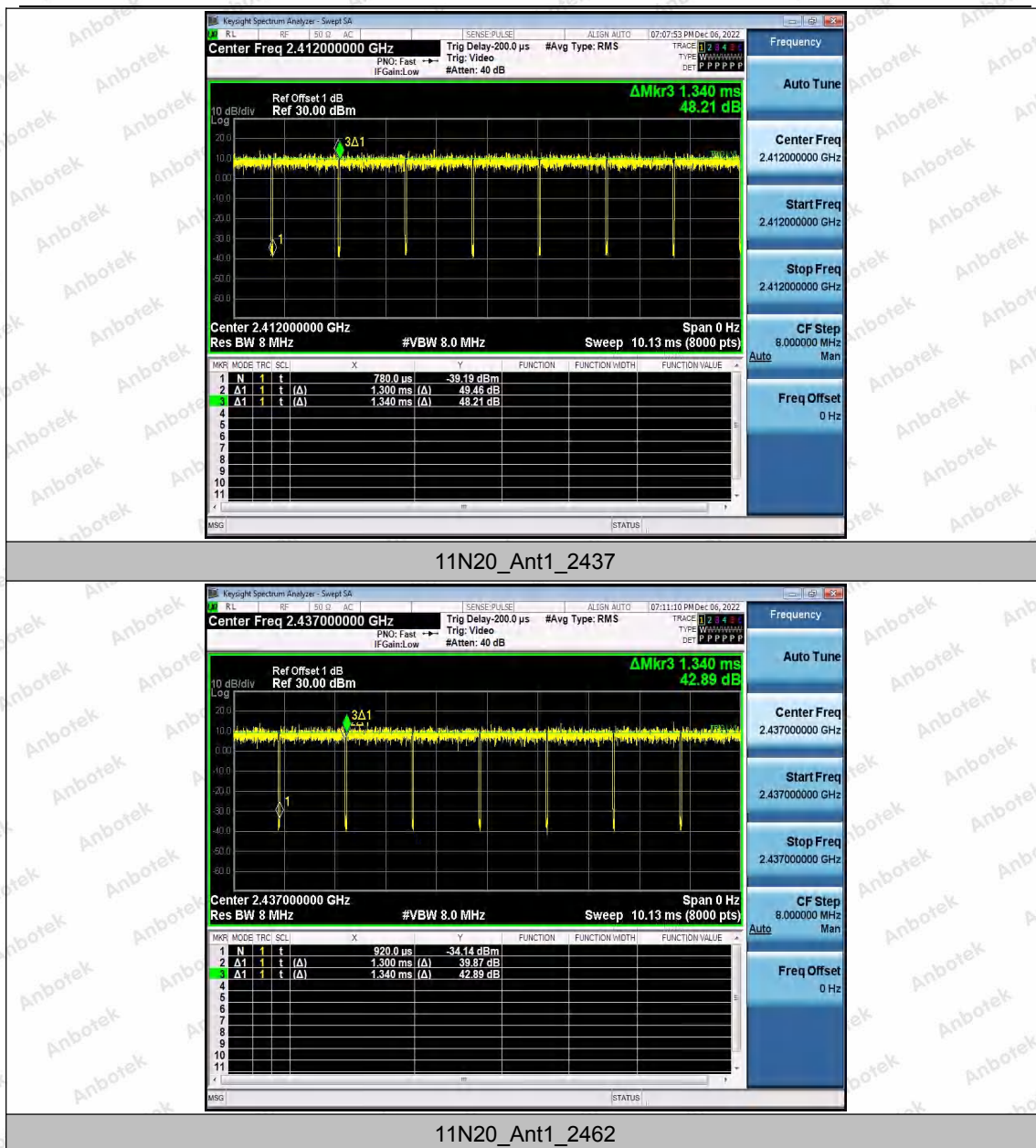
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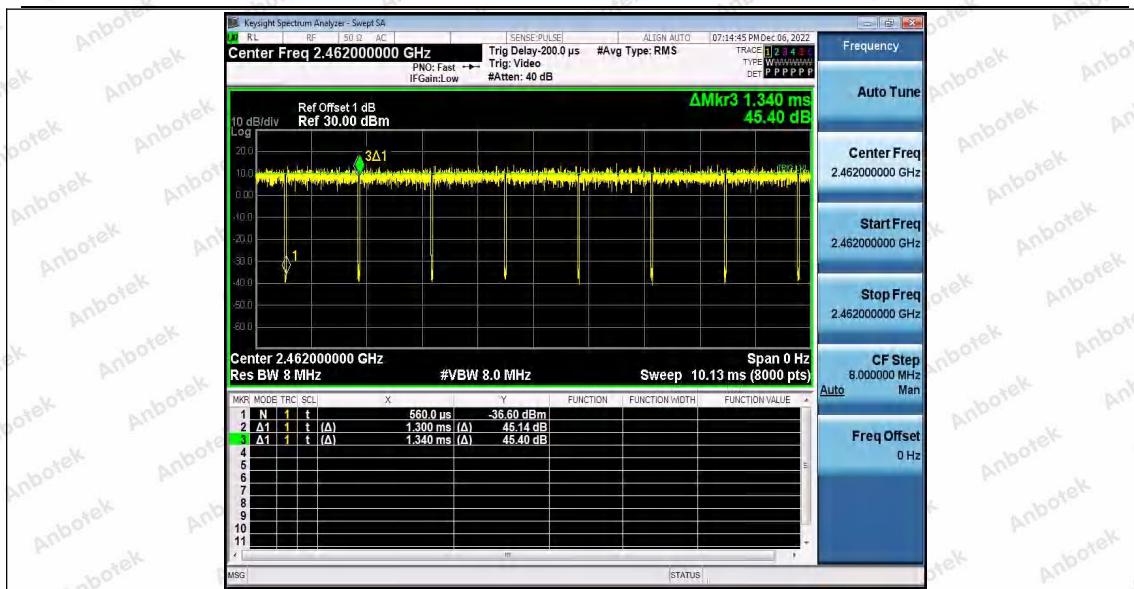
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