

Appendix Test Data

Report No.:	18220WC20275202	Test Sample No.:	1-2-2
Start Test Date:	2022.12.5	Finish Test Date:	2022.12.14
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
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	2407.000	2416.560	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.040	2457.480	2466.520	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	16.360	2453.840	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.600	2403.200	2420.800	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS

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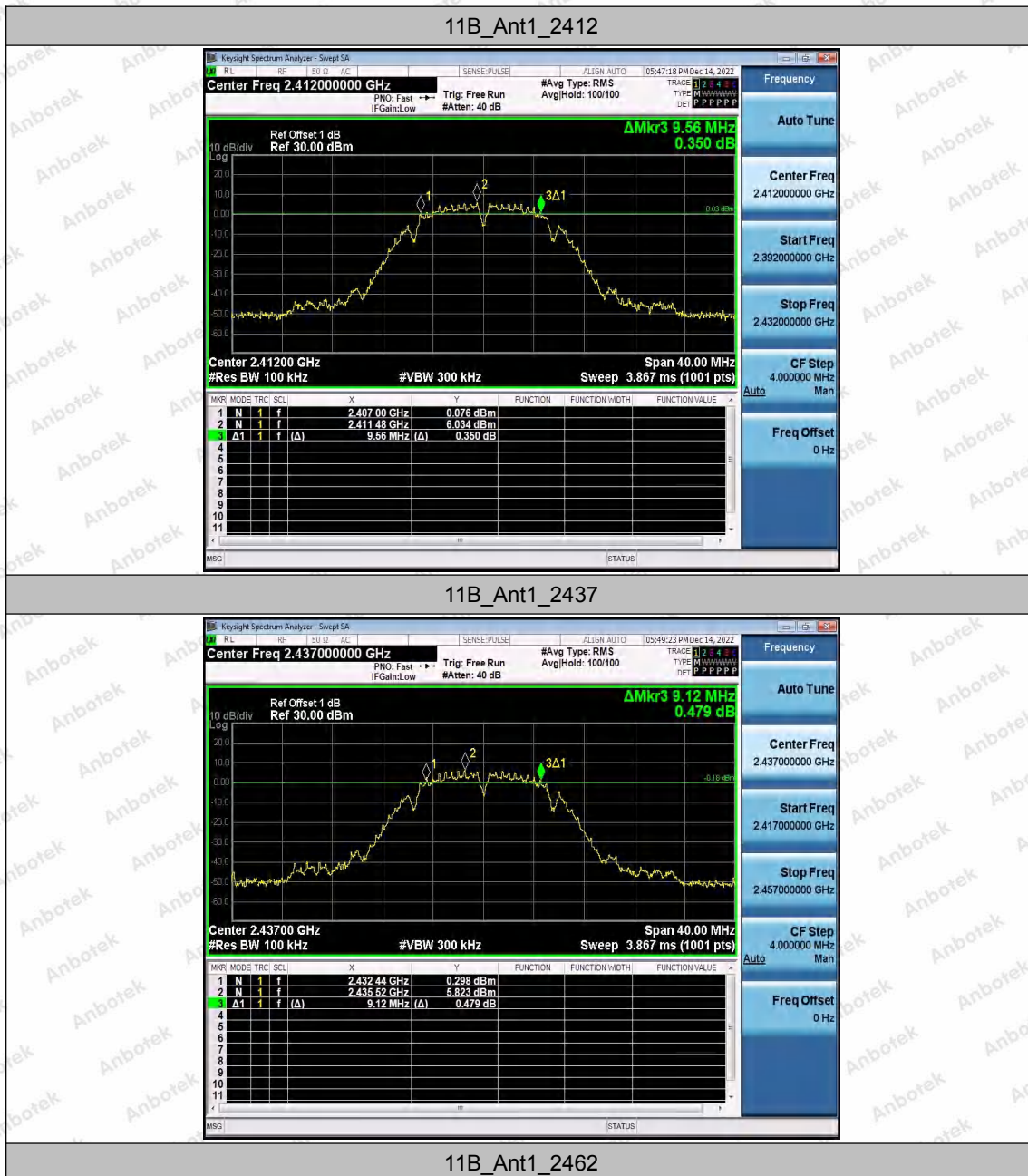
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Test Graphs



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11G_Ant1_2462



11N20_Ant1_2412

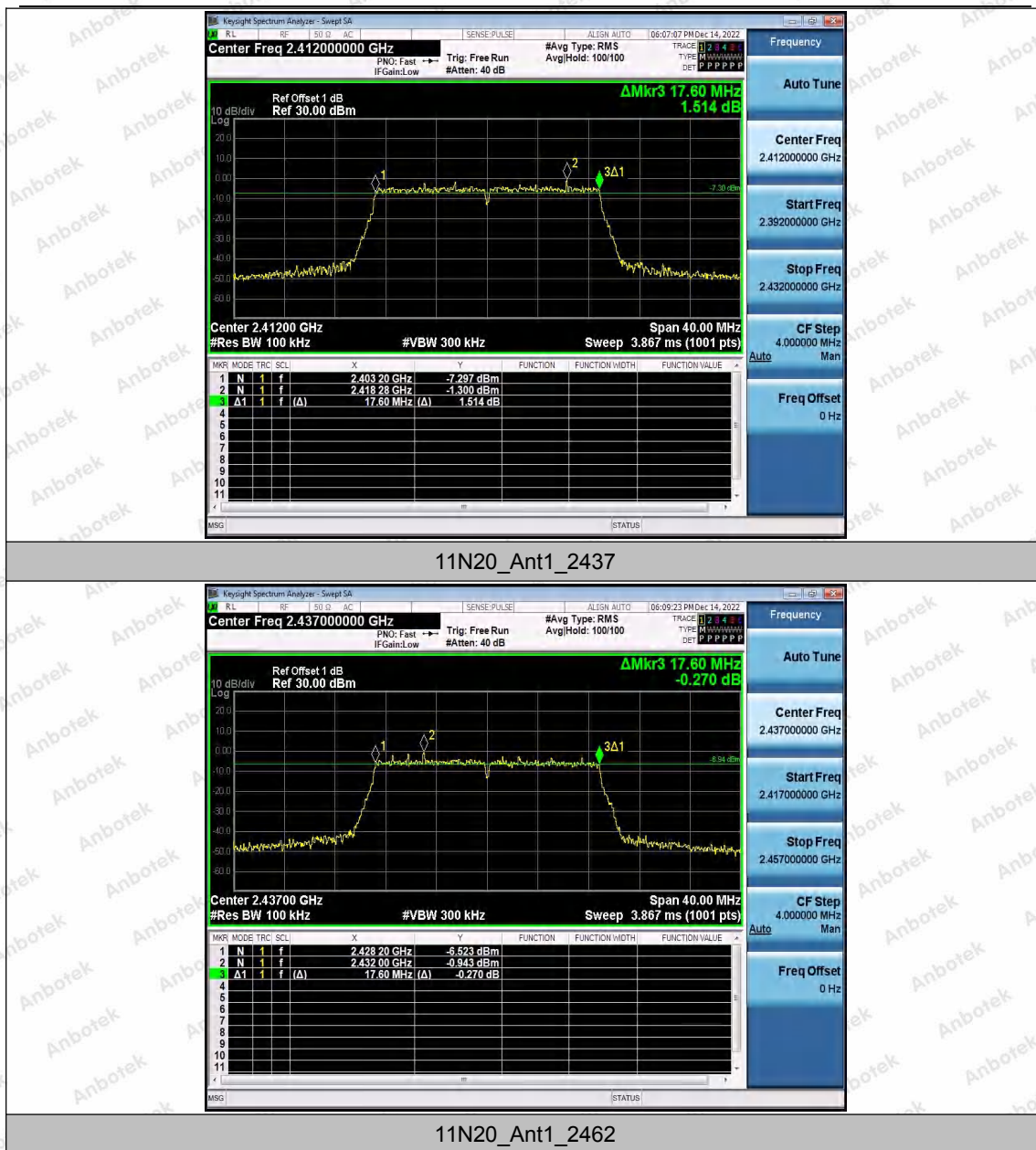
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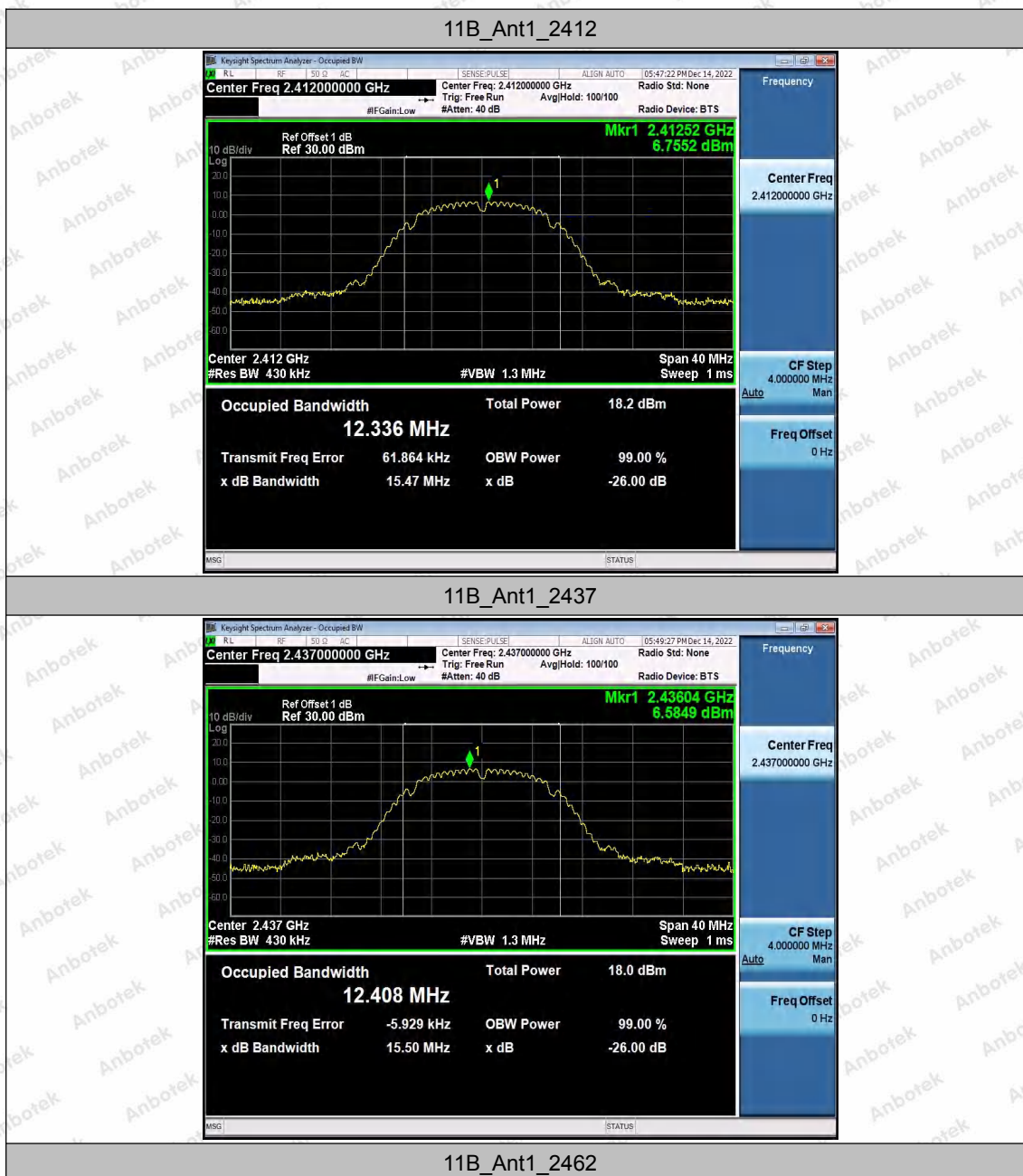
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.336	2405.8939	2418.2299	---	---
		2437	12.408	2430.7901	2443.1981	---	---
		2462	12.451	2455.8341	2468.2851	---	---
11G	Ant1	2412	17.051	2403.5340	2420.5850	---	---
		2437	17.096	2428.4689	2445.5649	---	---
		2462	17.133	2453.5011	2470.6341	---	---
11N20	Ant1	2412	18.002	2403.0539	2421.0559	---	---
		2437	17.898	2428.0764	2445.9744	---	---
		2462	17.980	2453.0898	2471.0698	---	---



Test Graphs



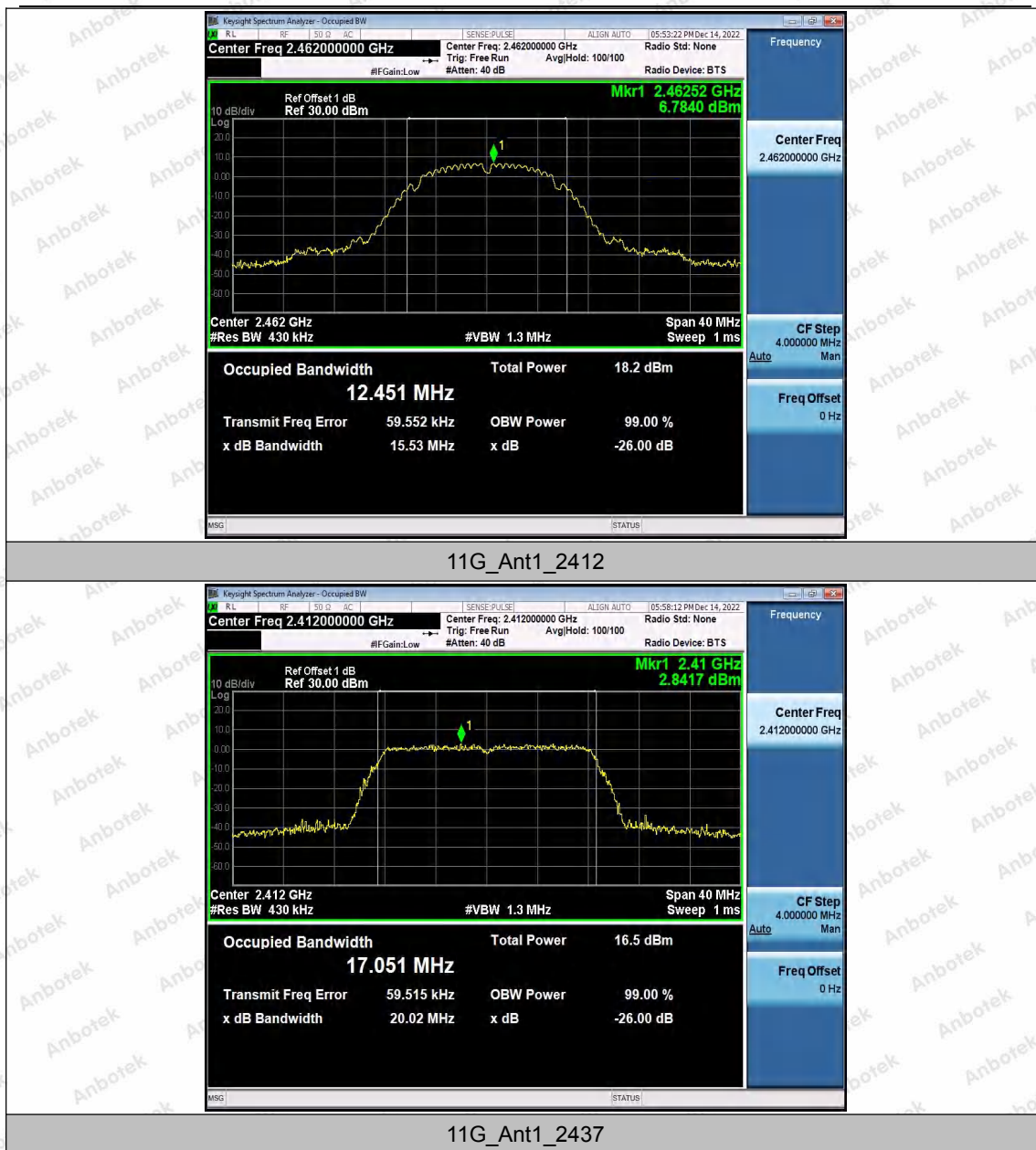
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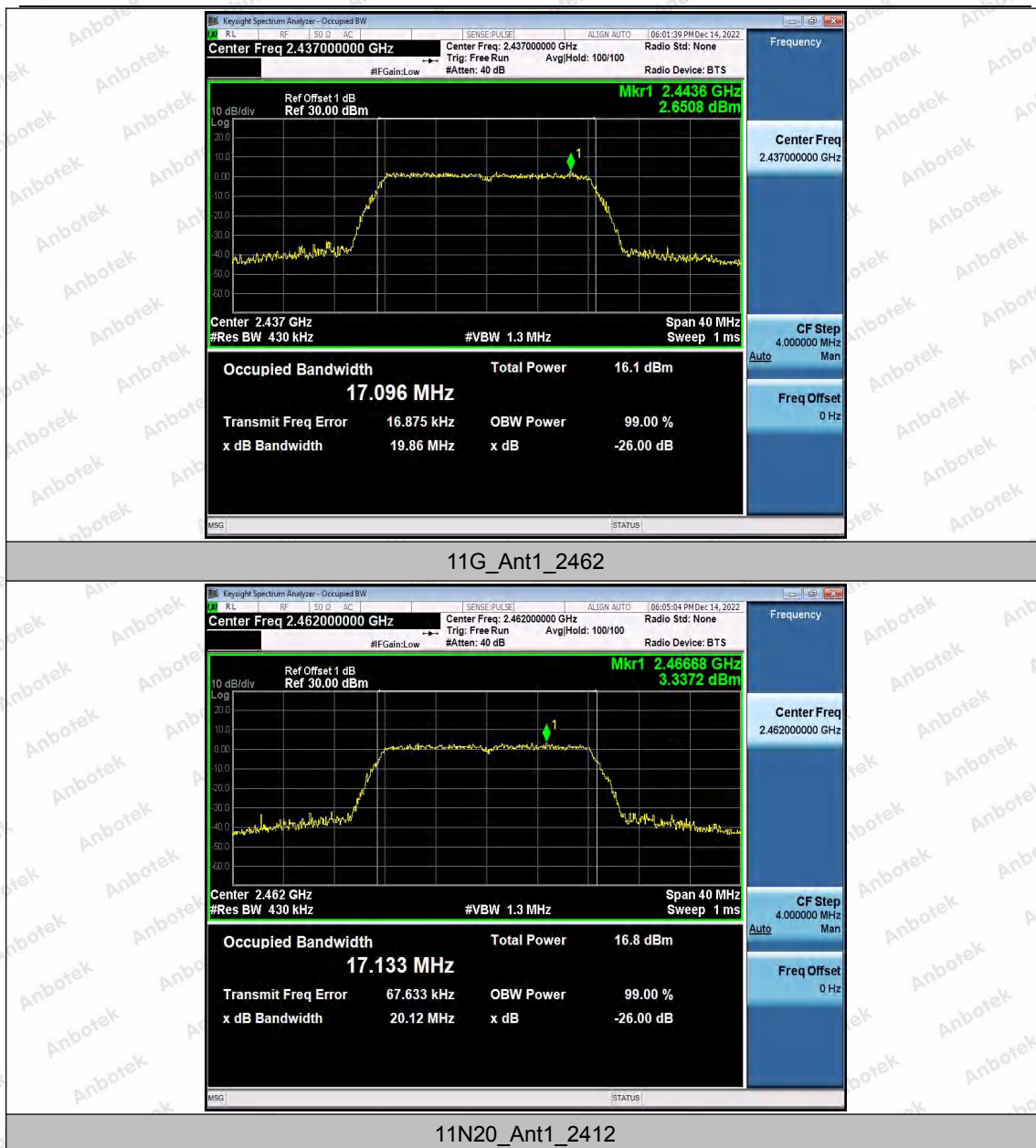
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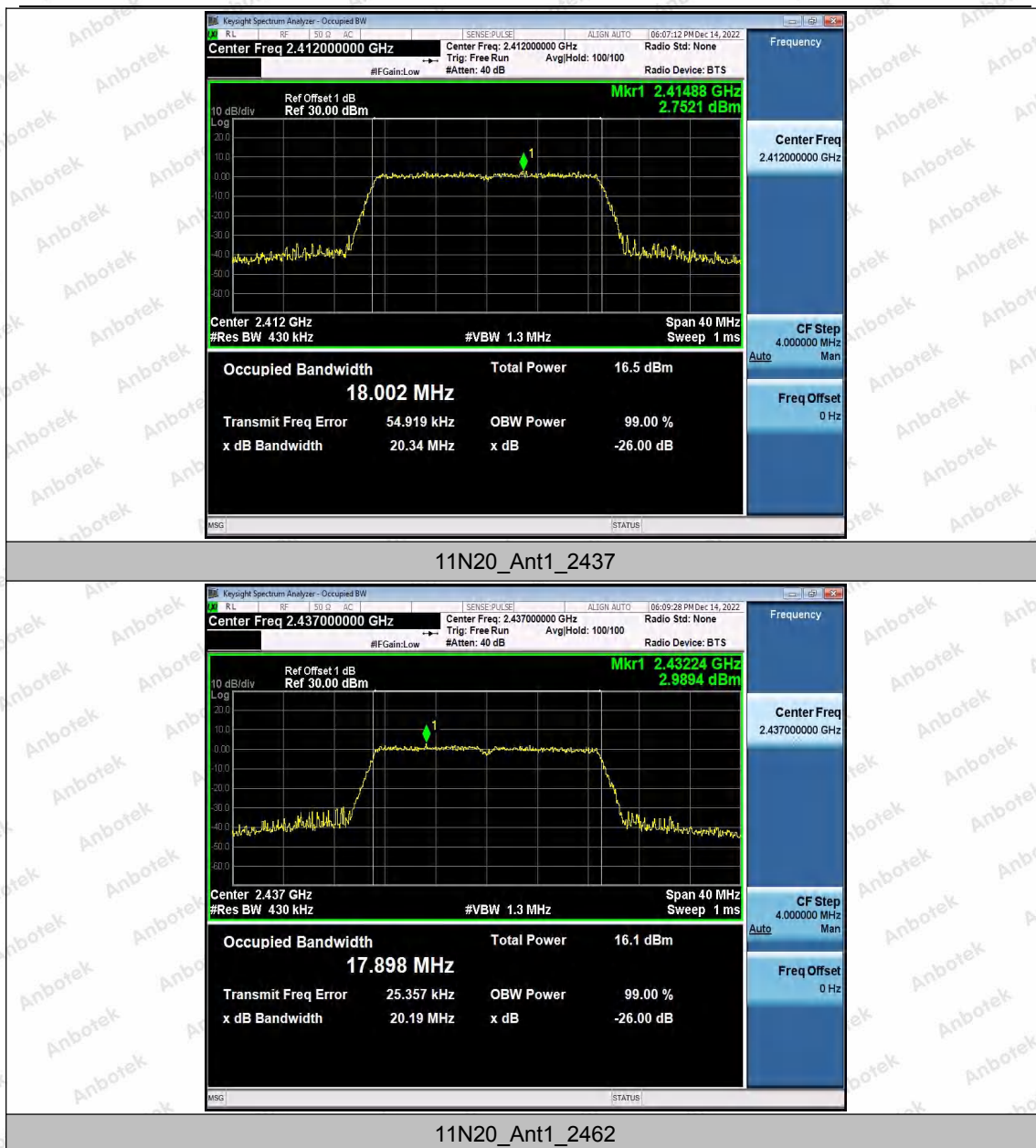
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	18.20	≤30.00
		2437	17.99	≤30.00
		2462	18.47	≤30.00
11G	Ant1	2412	17.68	≤30.00
		2437	17.49	≤30.00
		2462	17.84	≤30.00
11N20	Ant1	2412	17.73	≤30.00
		2437	17.53	≤30.00
		2462	18.02	≤30.00



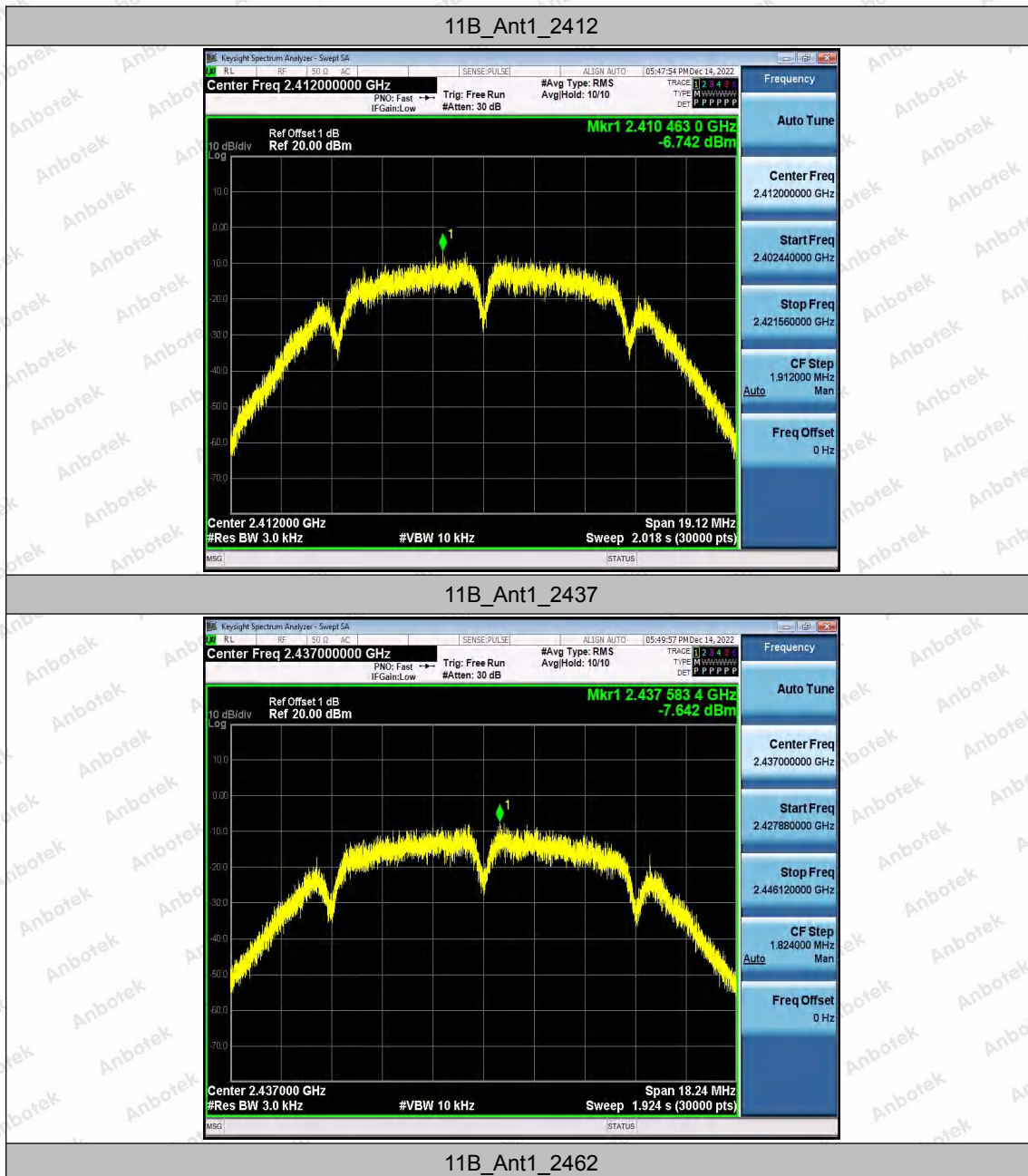
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.74	≤8.00	PASS
		2437	-7.64	≤8.00	PASS
		2462	-6.33	≤8.00	PASS
11G	Ant1	2412	-14.77	≤8.00	PASS
		2437	-14.88	≤8.00	PASS
		2462	-13.48	≤8.00	PASS
11N20	Ant1	2412	-14.66	≤8.00	PASS
		2437	-15.22	≤8.00	PASS
		2462	-14.57	≤8.00	PASS



Test Graphs



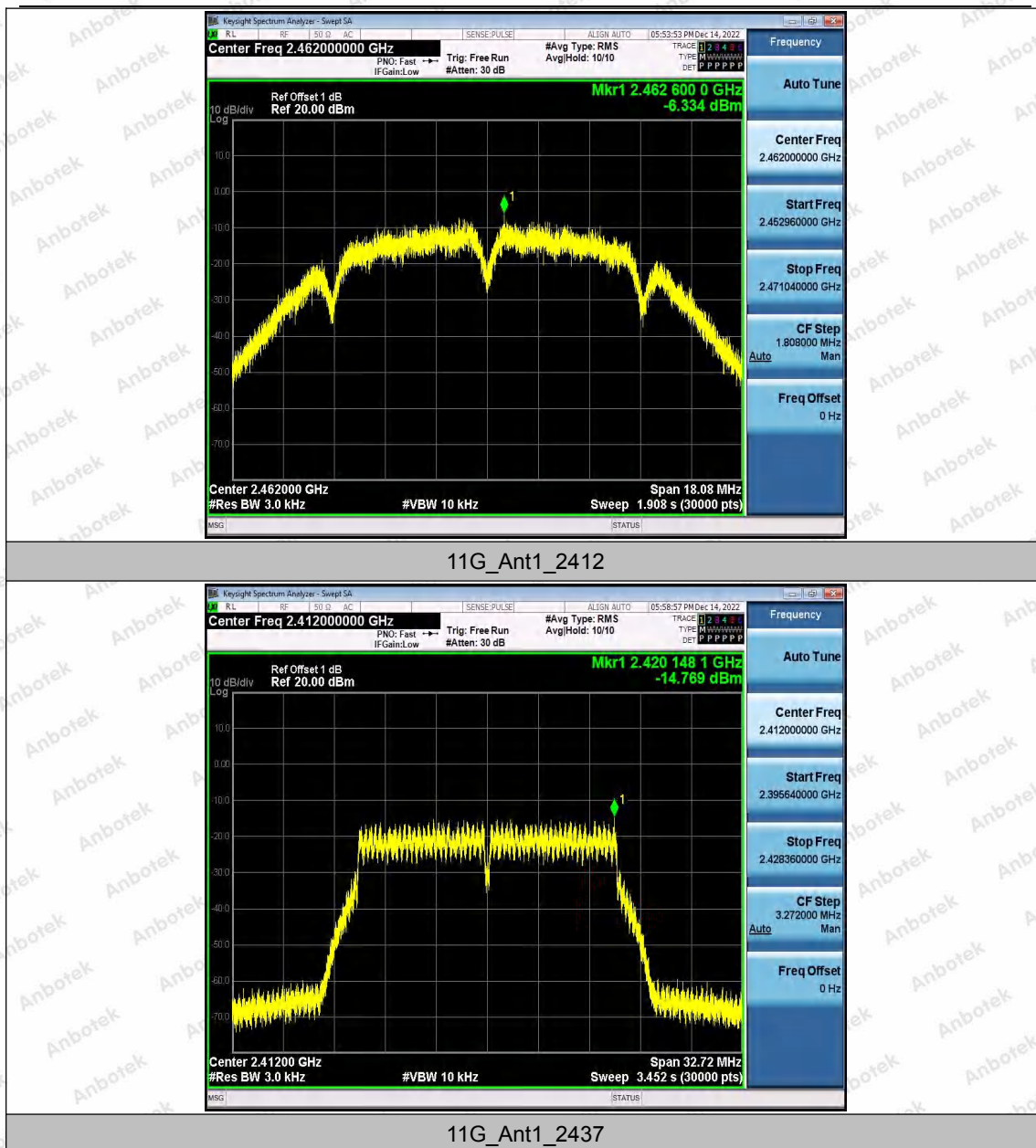
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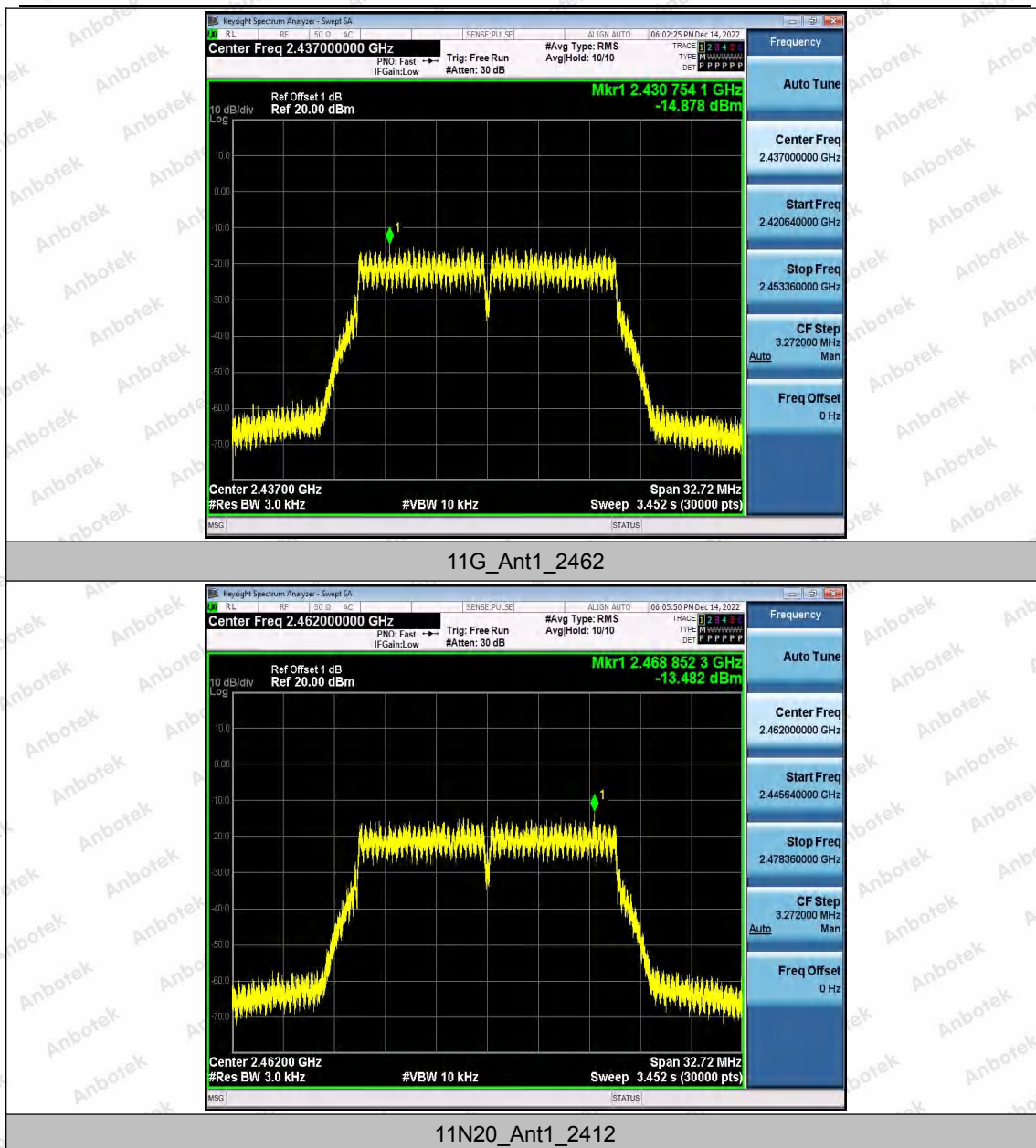


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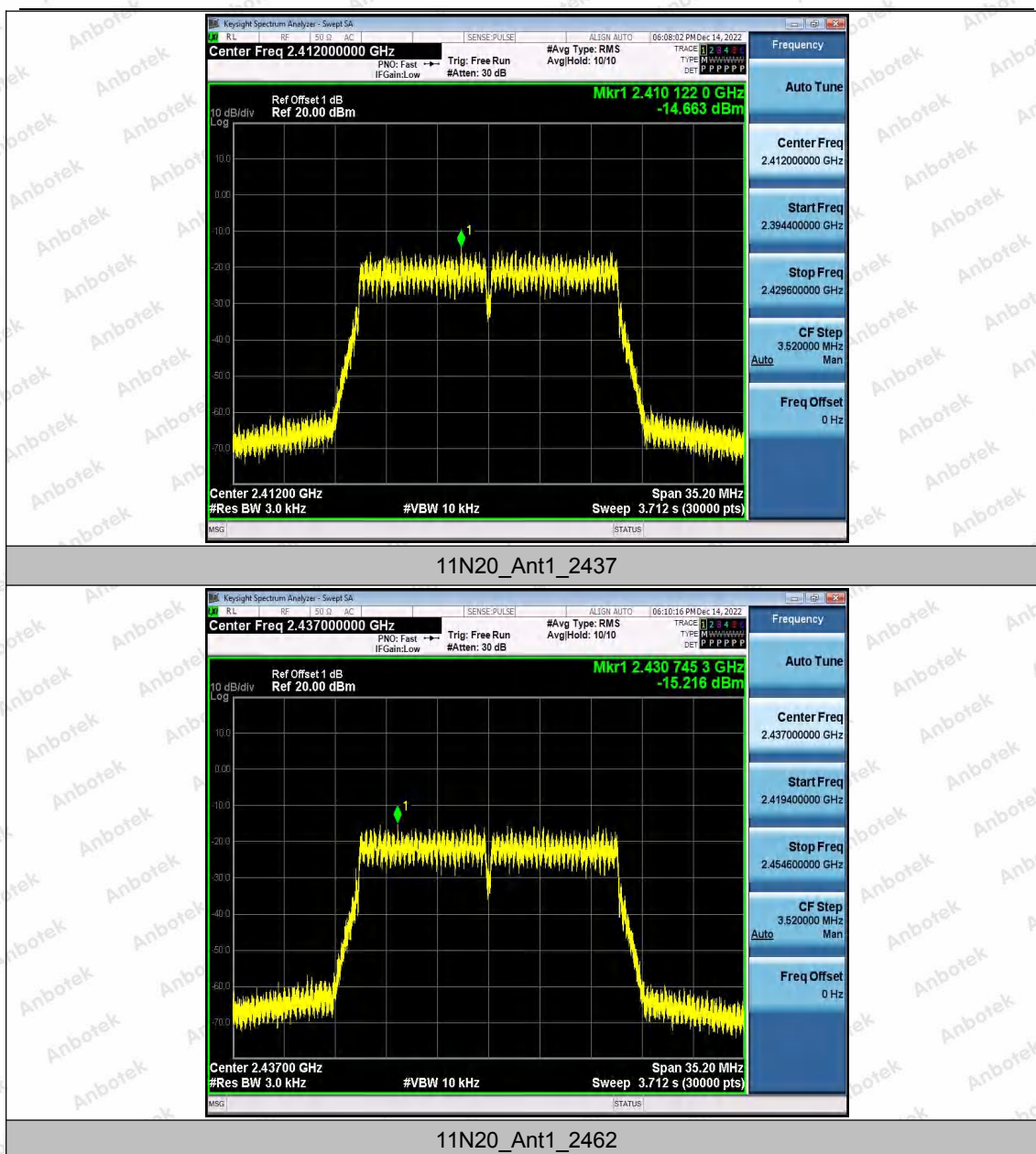
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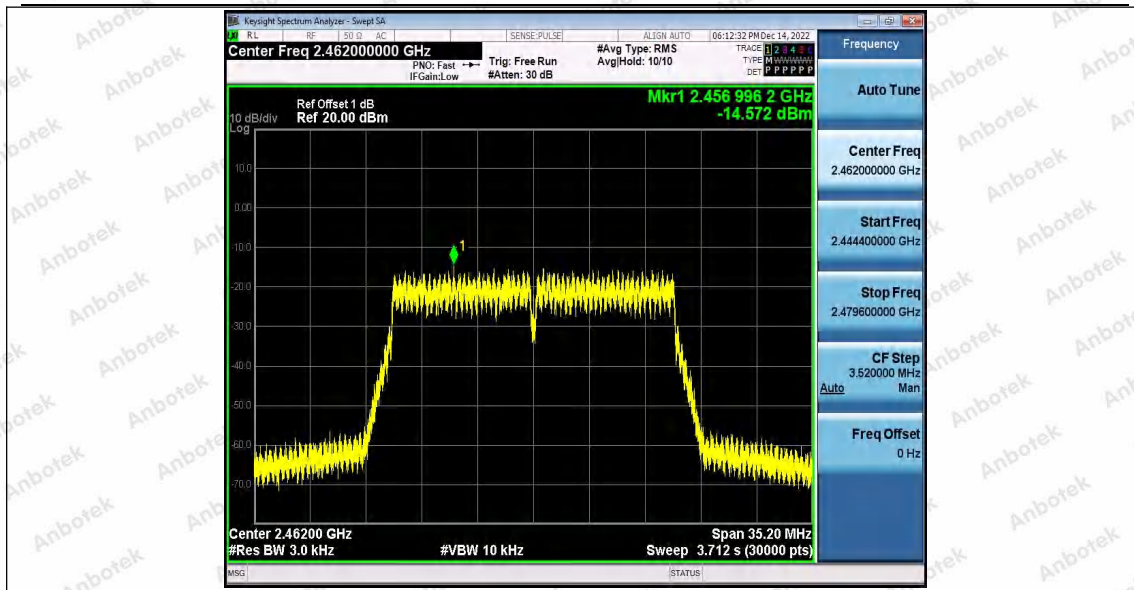
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.26	-44.35	≤-13.74	PASS
		High	2462	6.48	-53.46	≤-13.52	PASS
11G	Ant1	Low	2412	-1.09	-44.35	≤-21.09	PASS
		High	2462	-0.66	-50.59	≤-20.66	PASS
11N20	Ant1	Low	2412	-0.97	-42.36	≤-20.97	PASS
		High	2462	-0.62	-49.19	≤-20.62	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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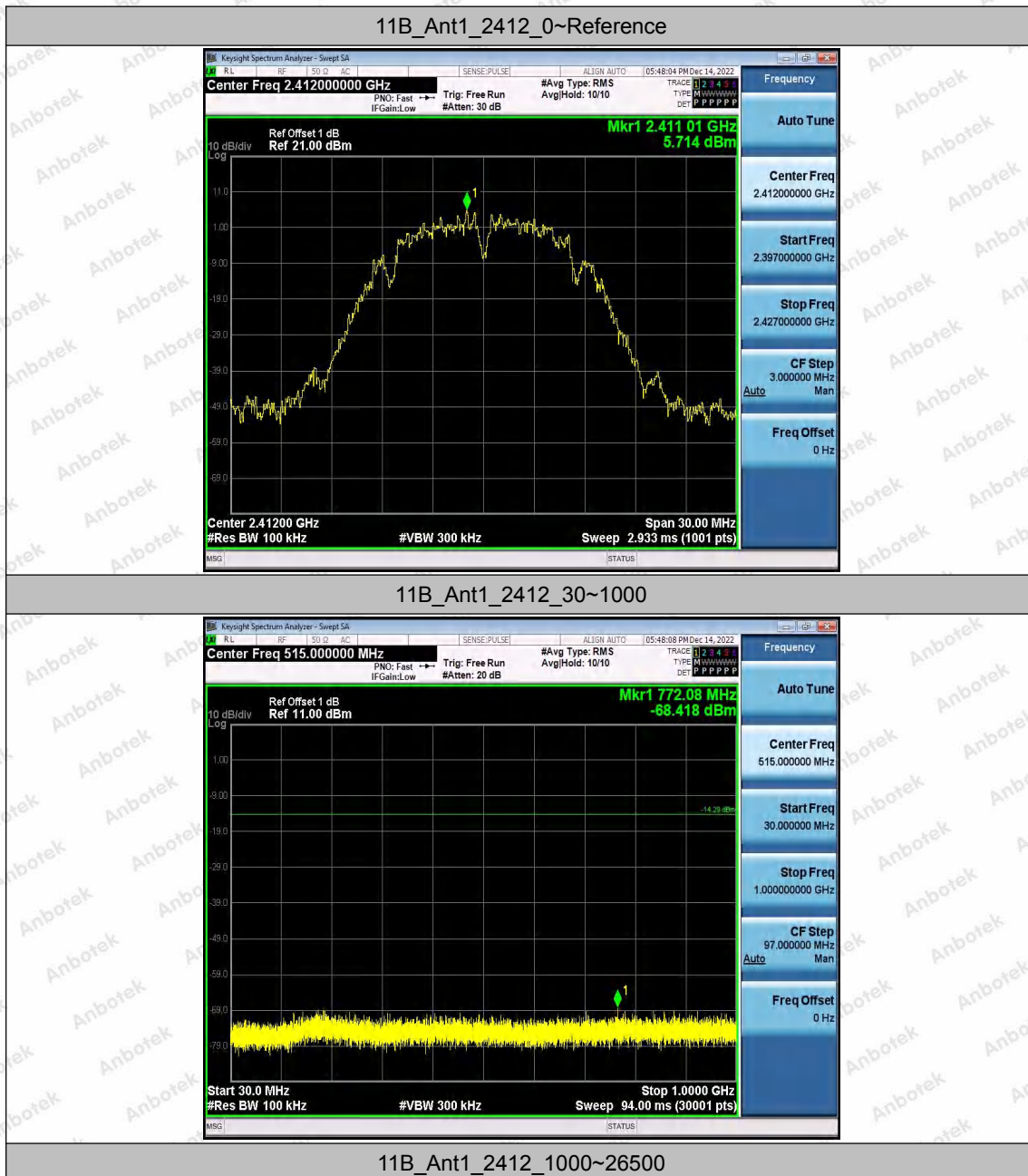
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-68.42	≤-14.29	PASS
			1000~26500	5.71	-53.32	≤-14.29	PASS
		2437	Reference	5.73	5.73	---	PASS
			30~1000	5.73	-68.81	≤-14.27	PASS
			1000~26500	5.73	-53.13	≤-14.27	PASS
		2462	Reference	5.91	5.91	---	PASS
			30~1000	5.91	-67.85	≤-14.09	PASS
			1000~26500	5.91	-51.24	≤-14.09	PASS
11G	Ant1	2412	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-68.54	≤-23.29	PASS
			1000~26500	-3.29	-52.93	≤-23.29	PASS
		2437	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-68.2	≤-20.97	PASS
			1000~26500	-0.97	-48.48	≤-20.97	PASS
		2462	Reference	-2.56	-2.56	---	PASS
			30~1000	-2.56	-67.44	≤-22.56	PASS
			1000~26500	-2.56	-48.64	≤-22.56	PASS
11N20	Ant1	2412	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-68.99	≤-24.36	PASS
			1000~26500	-4.36	-53.34	≤-24.36	PASS
		2437	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-69.24	≤-21.56	PASS
			1000~26500	-1.56	-48.5	≤-21.56	PASS
		2462	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-67.85	≤-22.97	PASS
			1000~26500	-2.97	-53.07	≤-22.97	PASS



Test Graphs



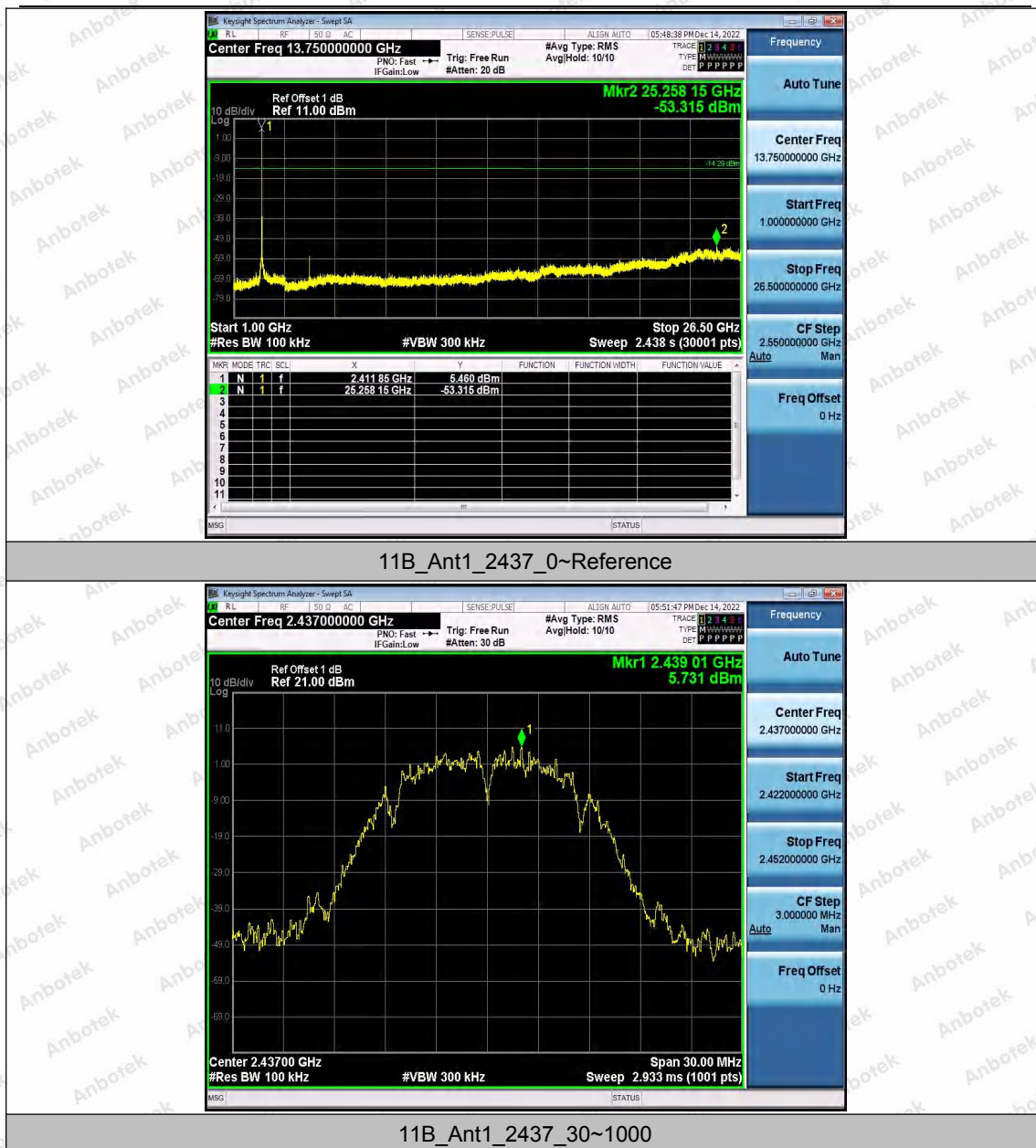
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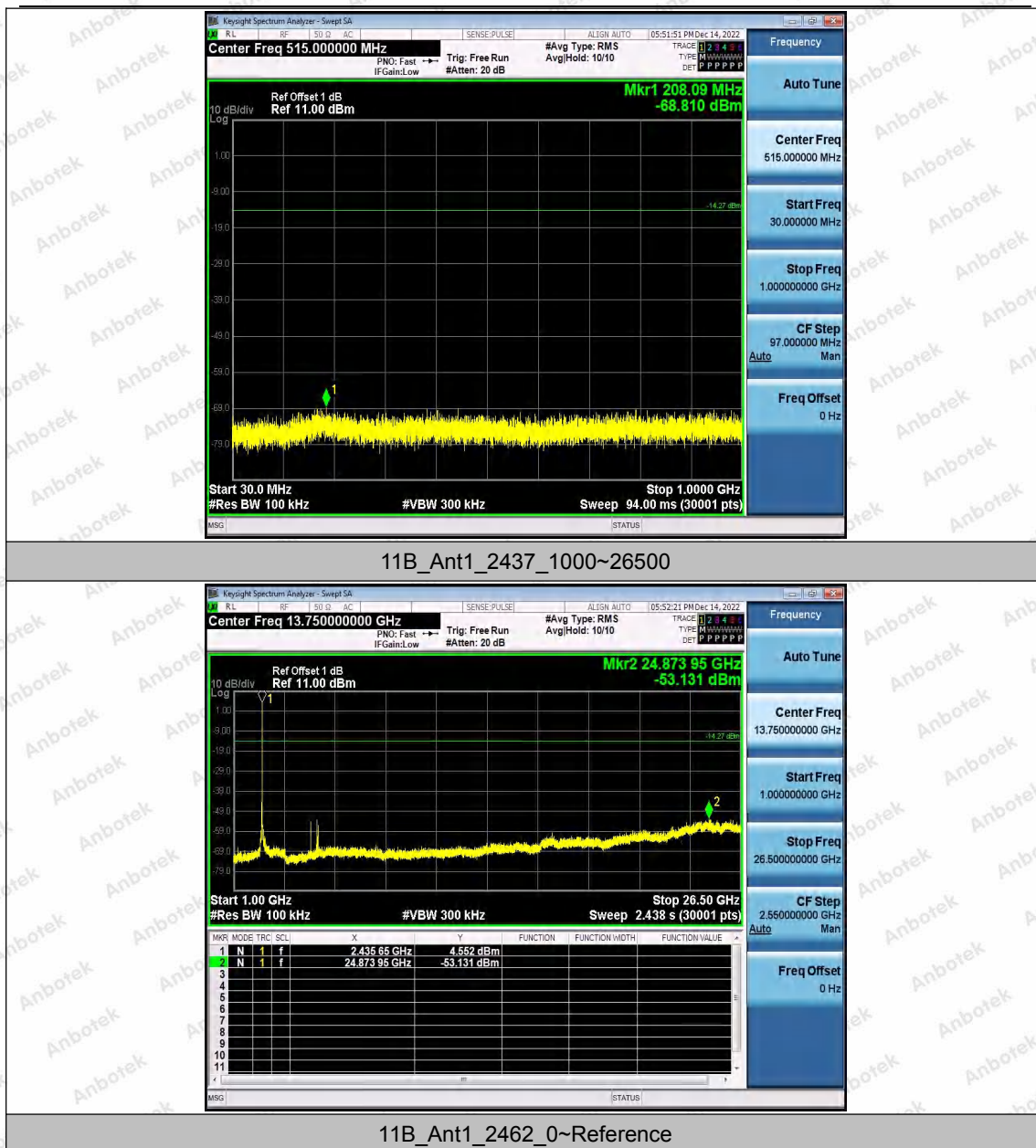
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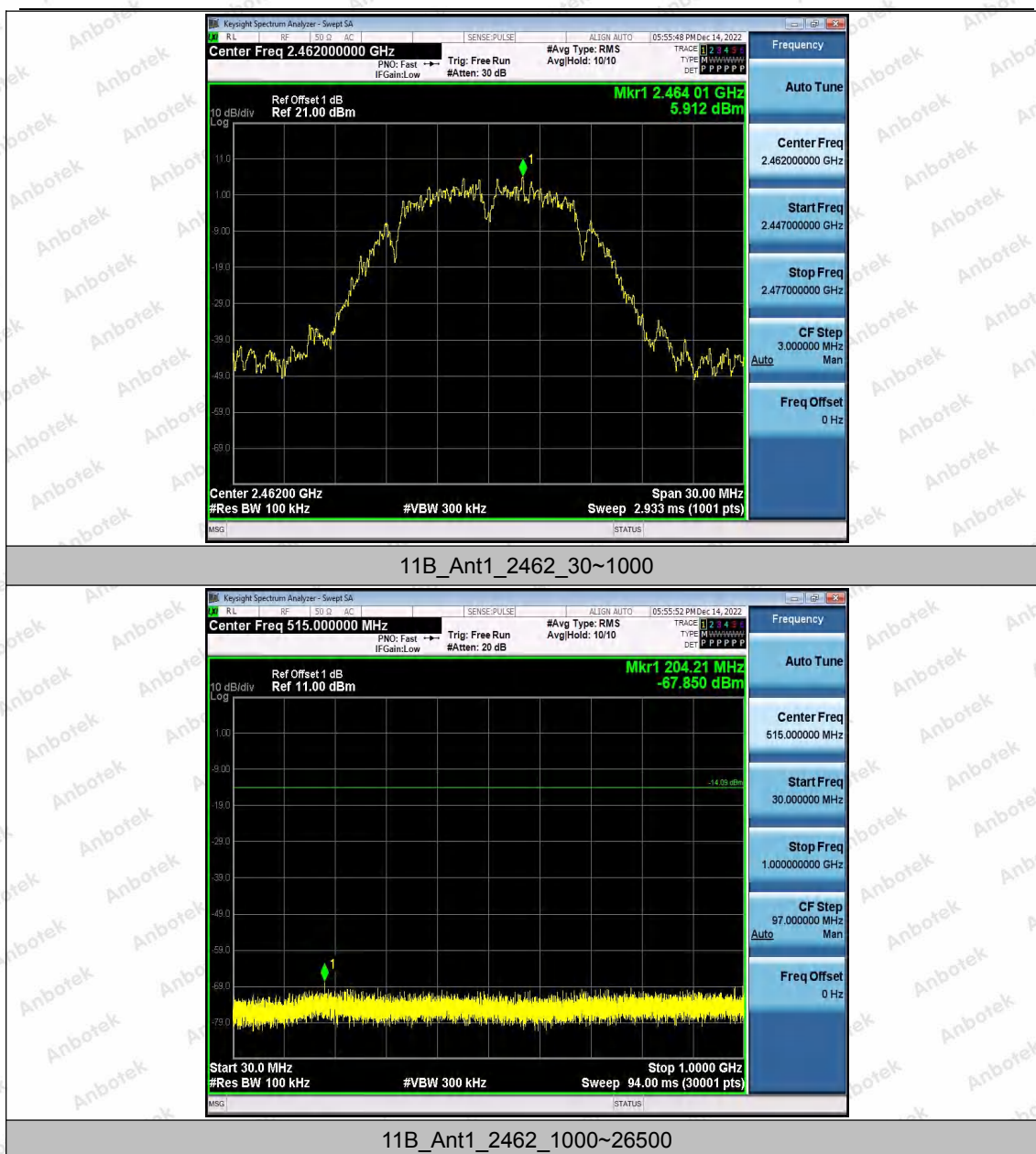
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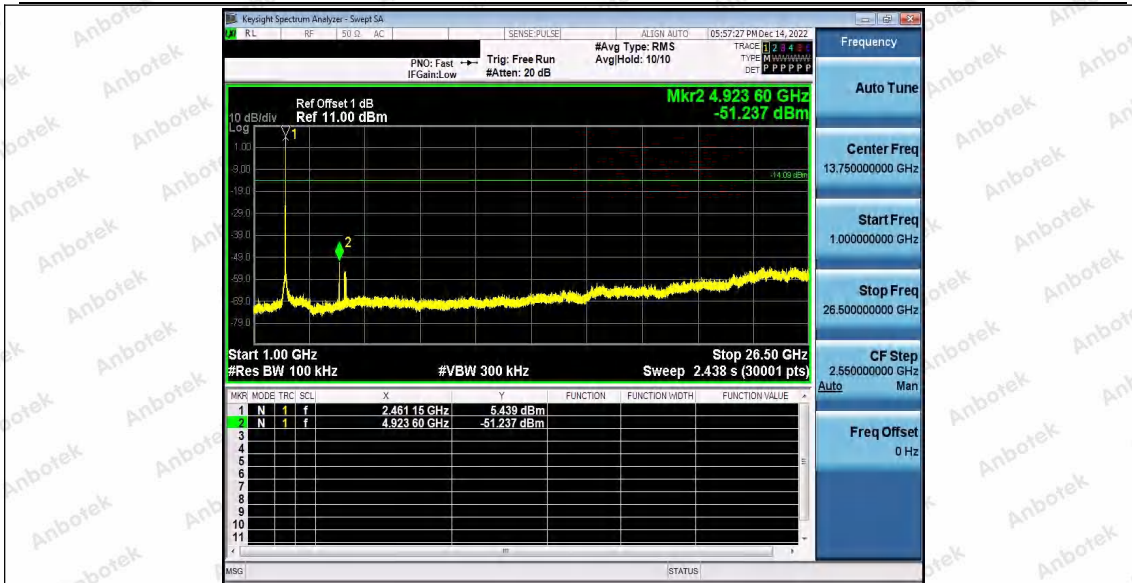
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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

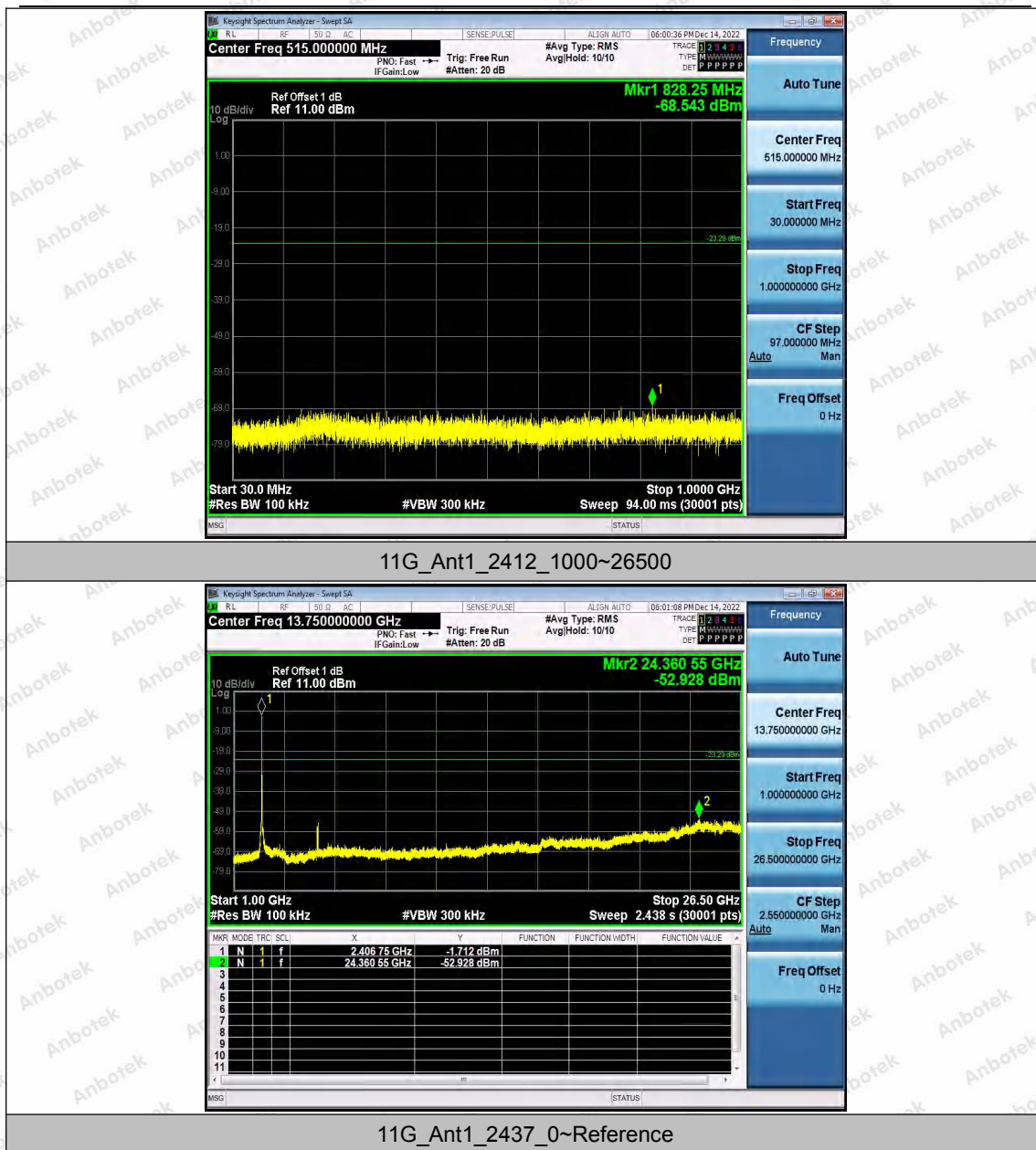
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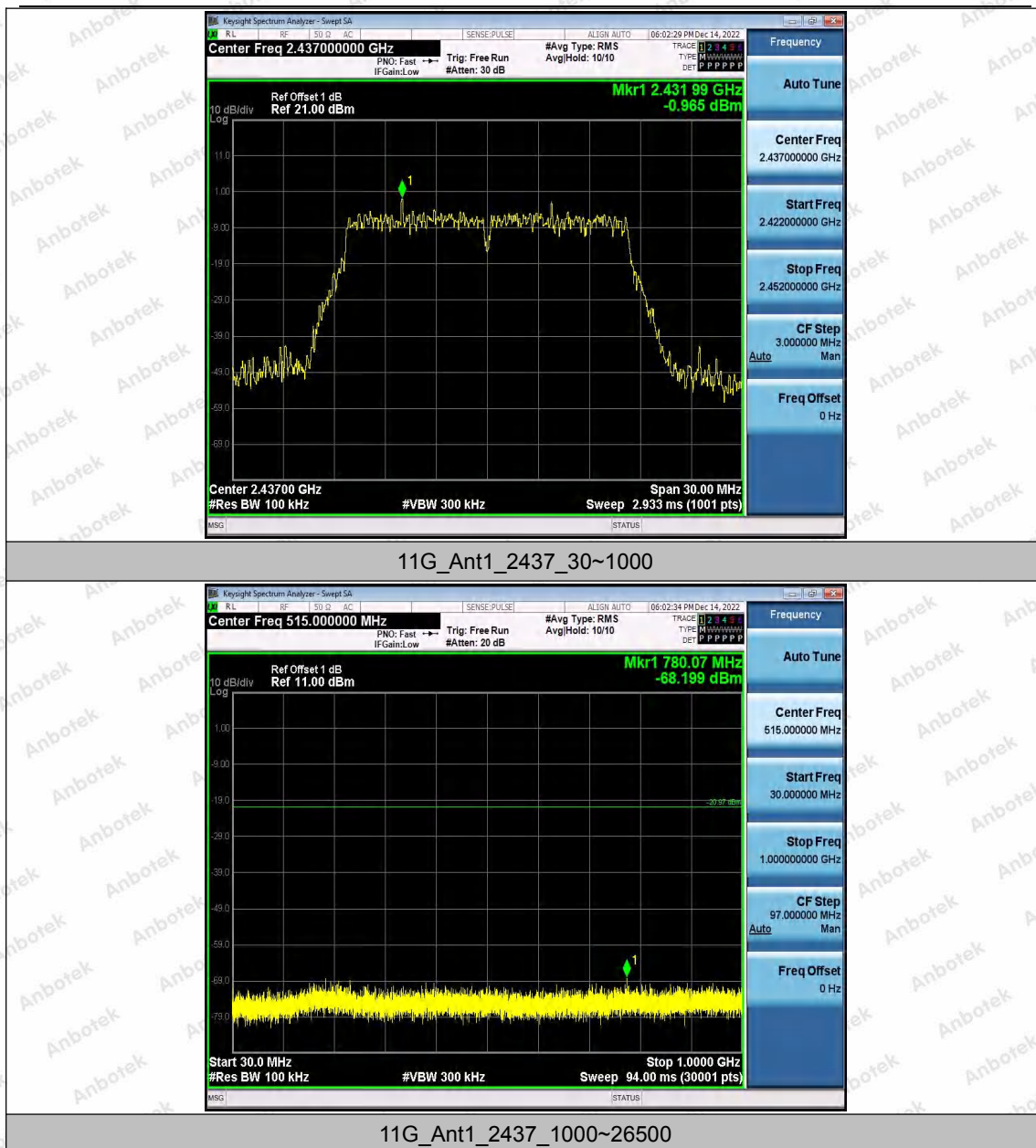
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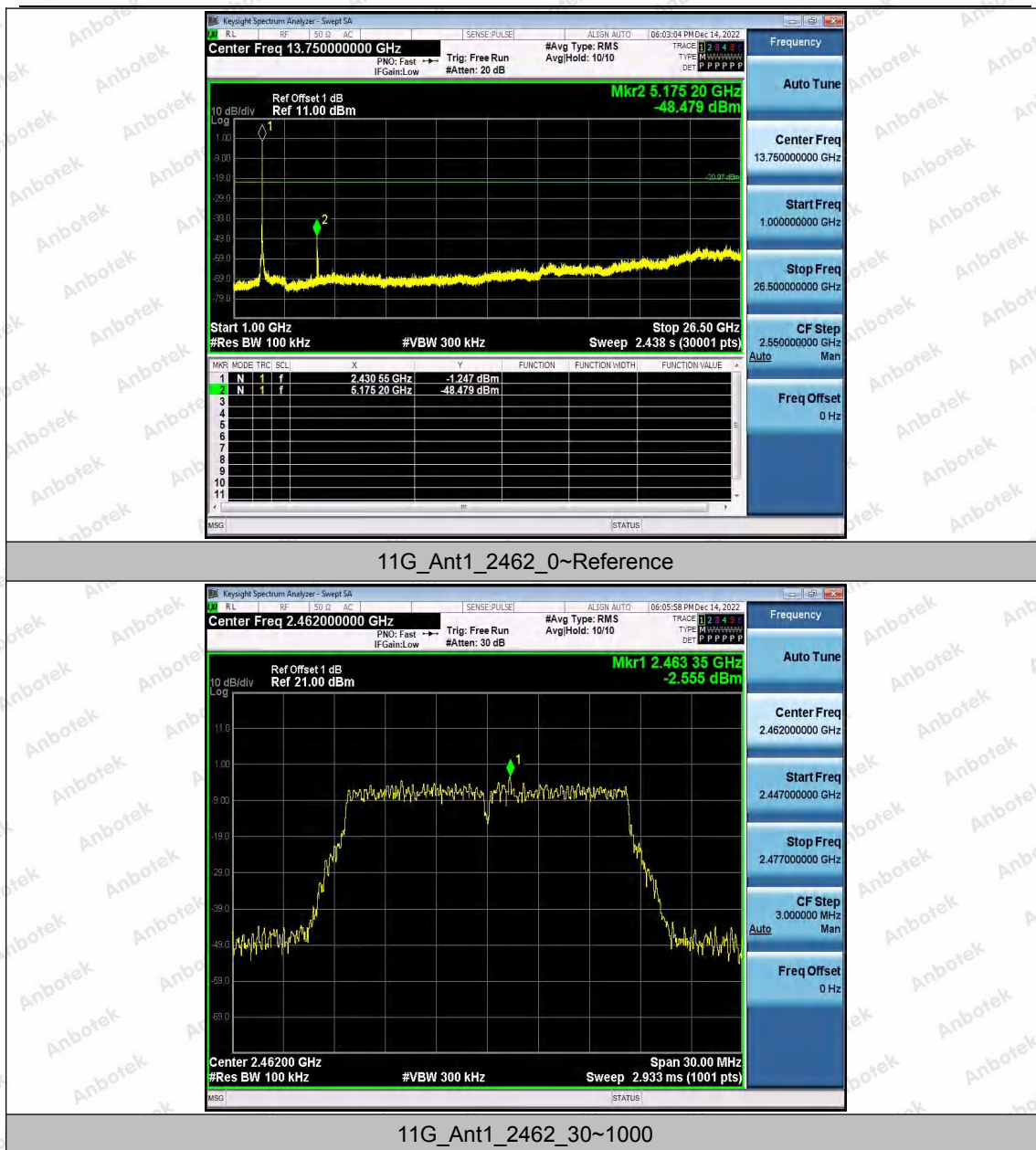
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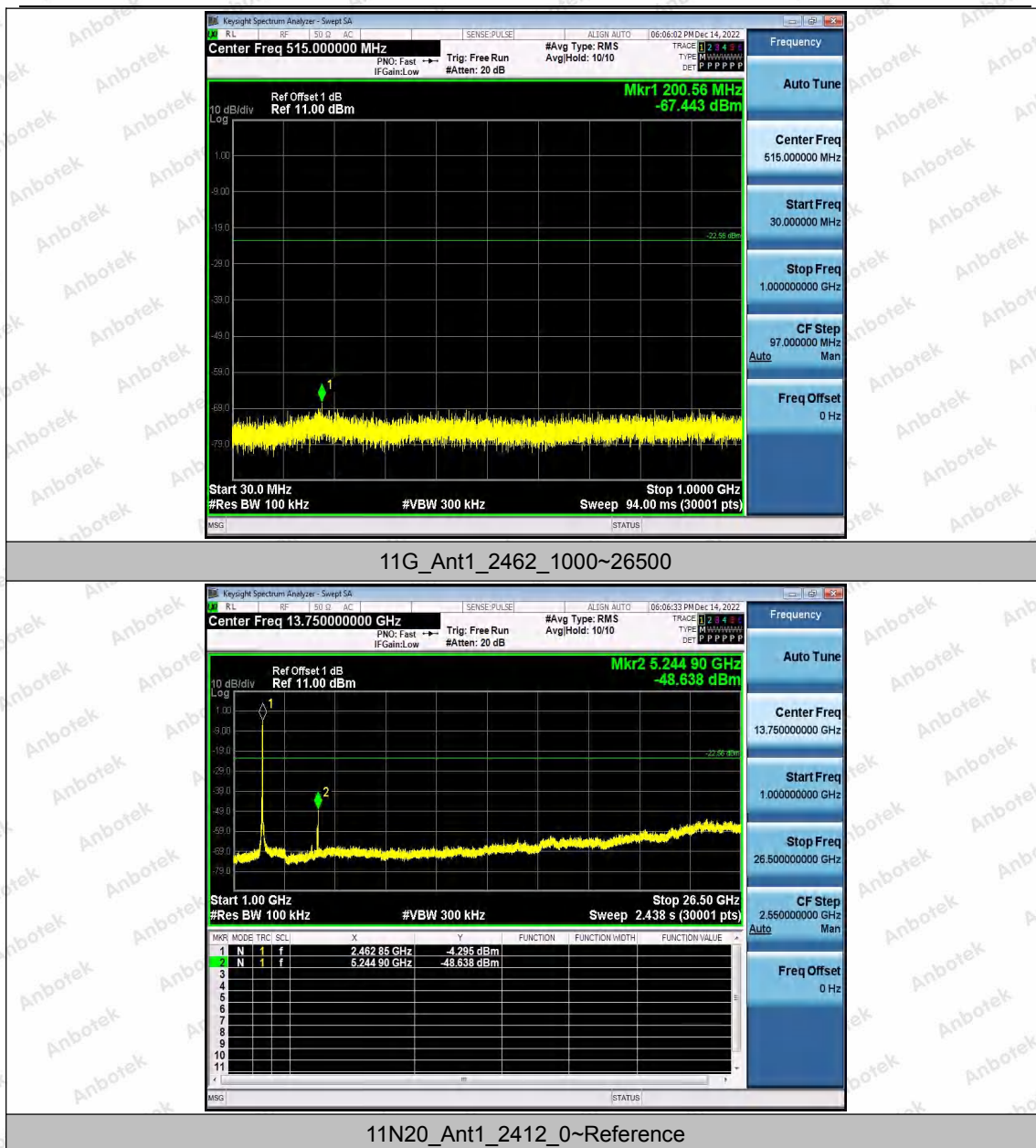
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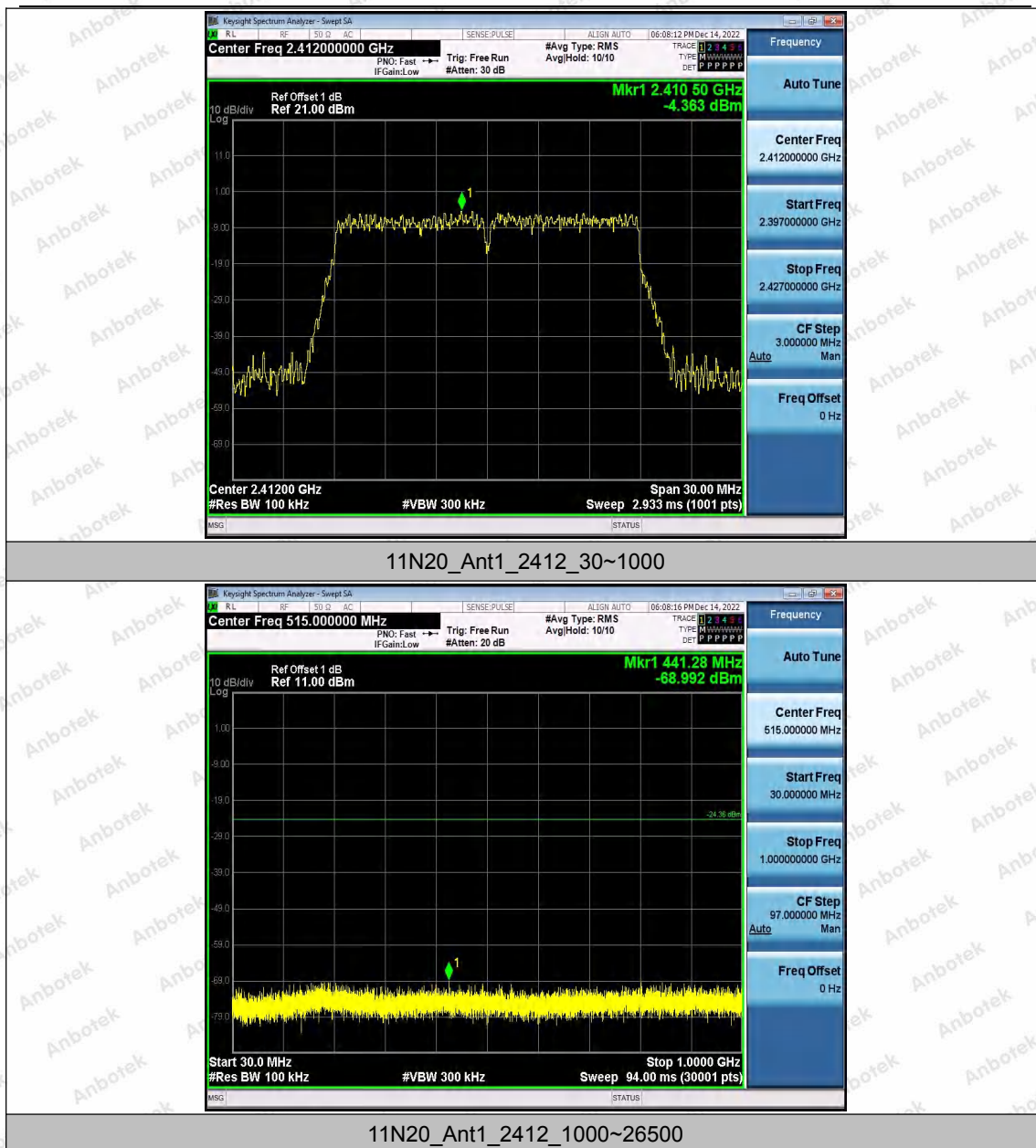
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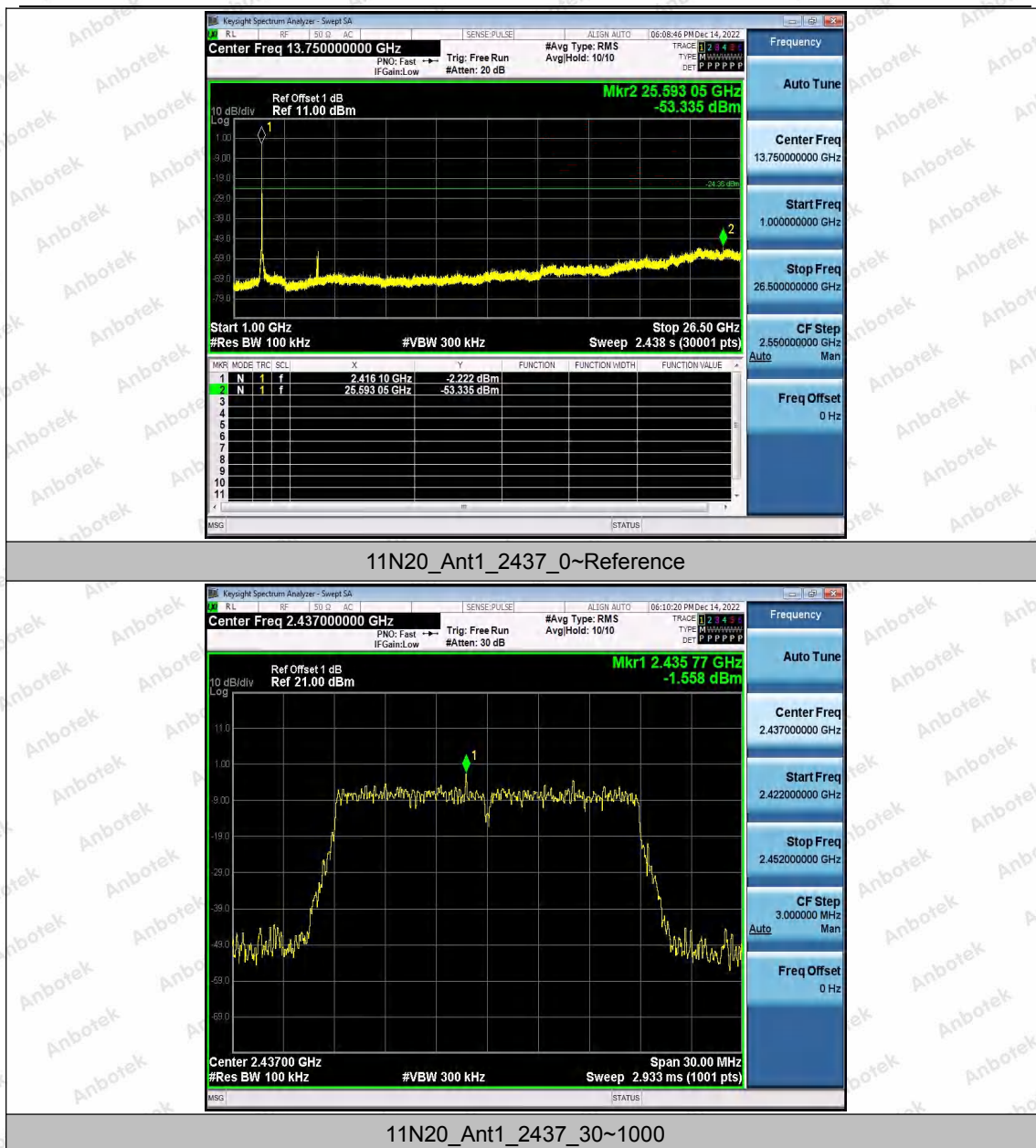
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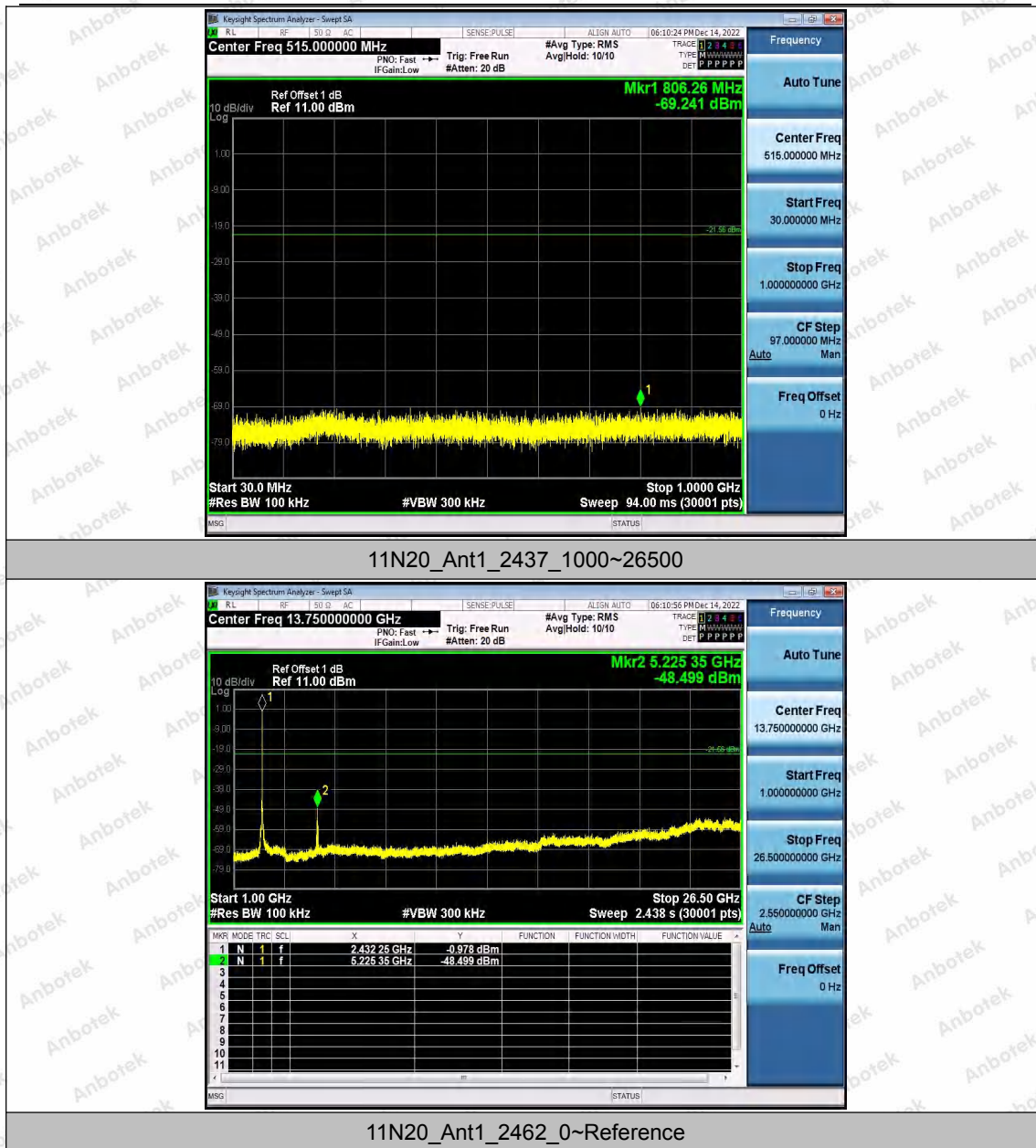
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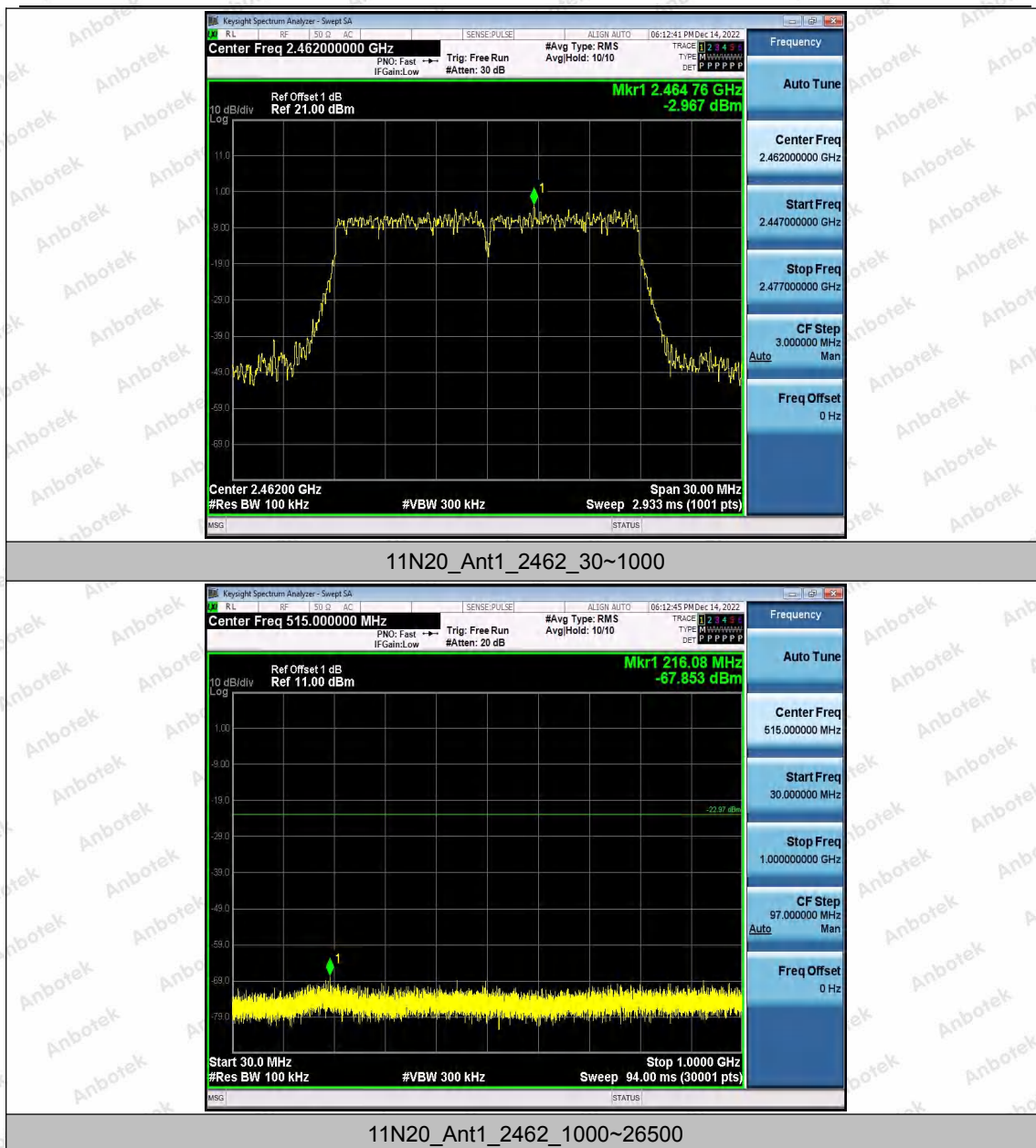
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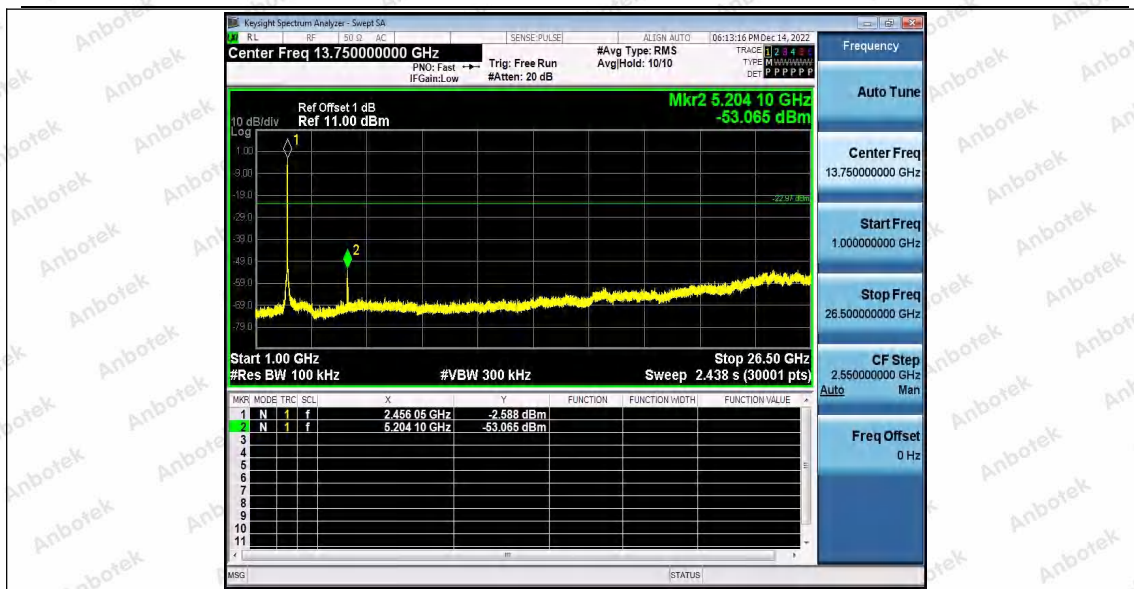
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.41	99.76	0.01
		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	1.33	97.74	0.10
		2462	1.30	1.33	97.74	0.10



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

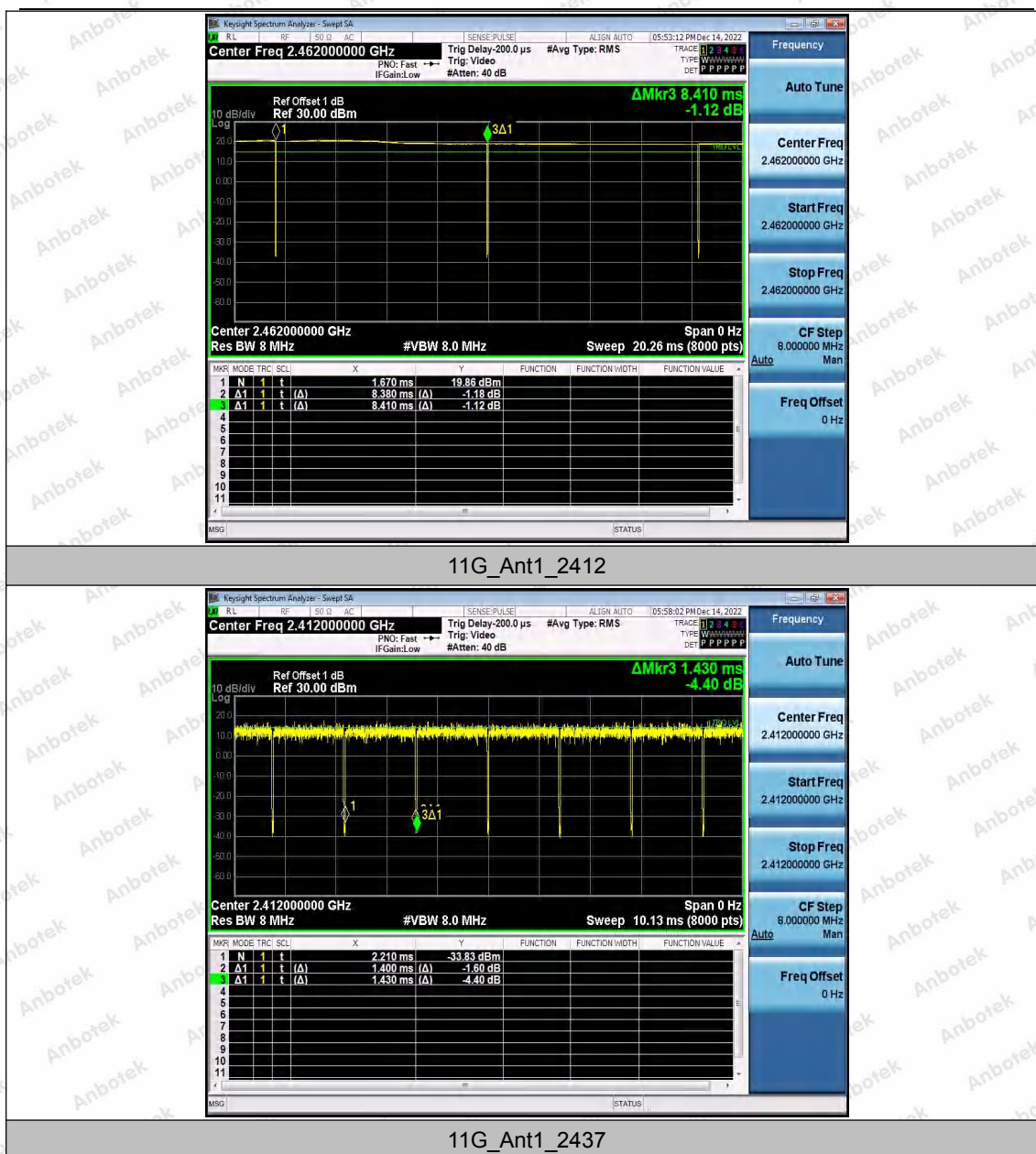
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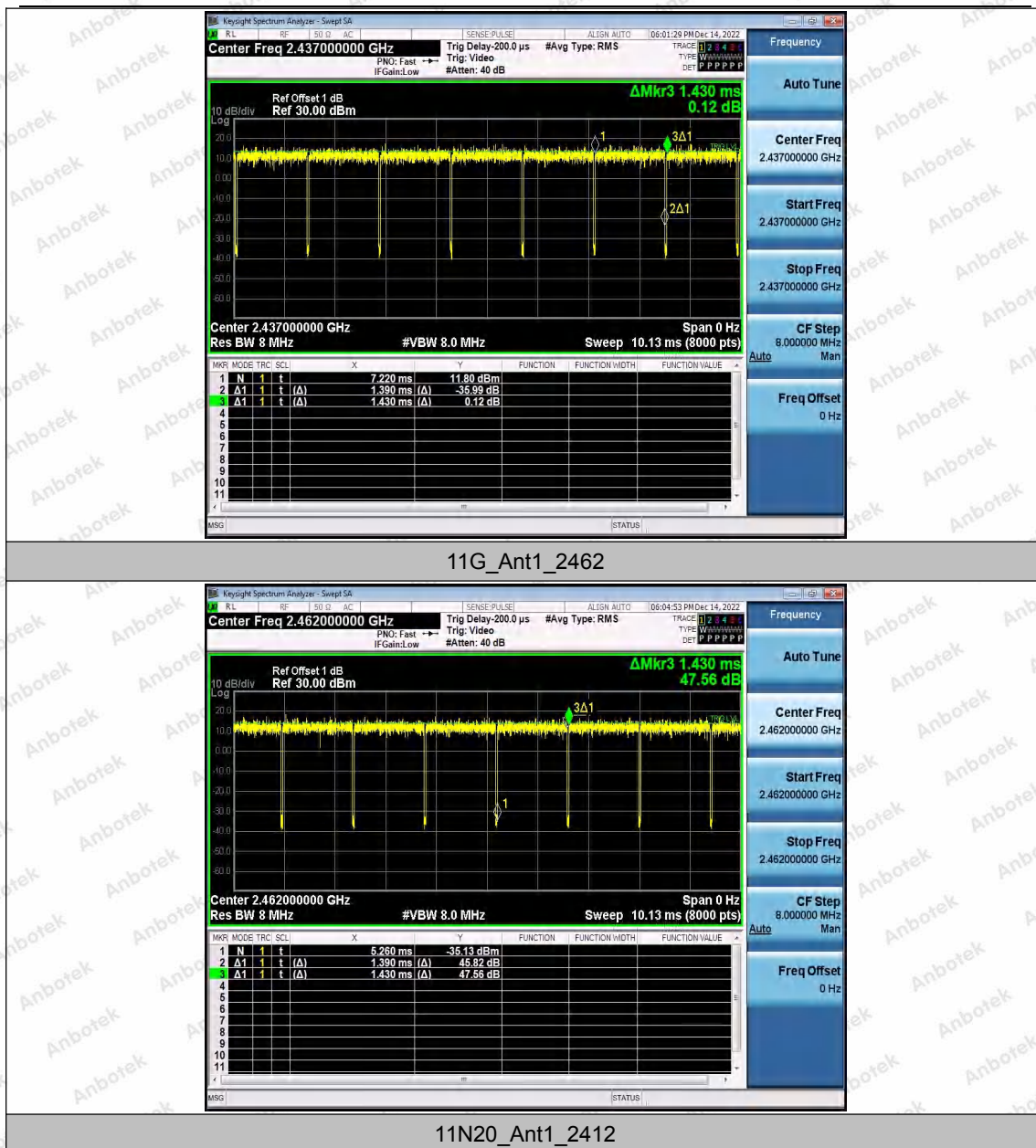
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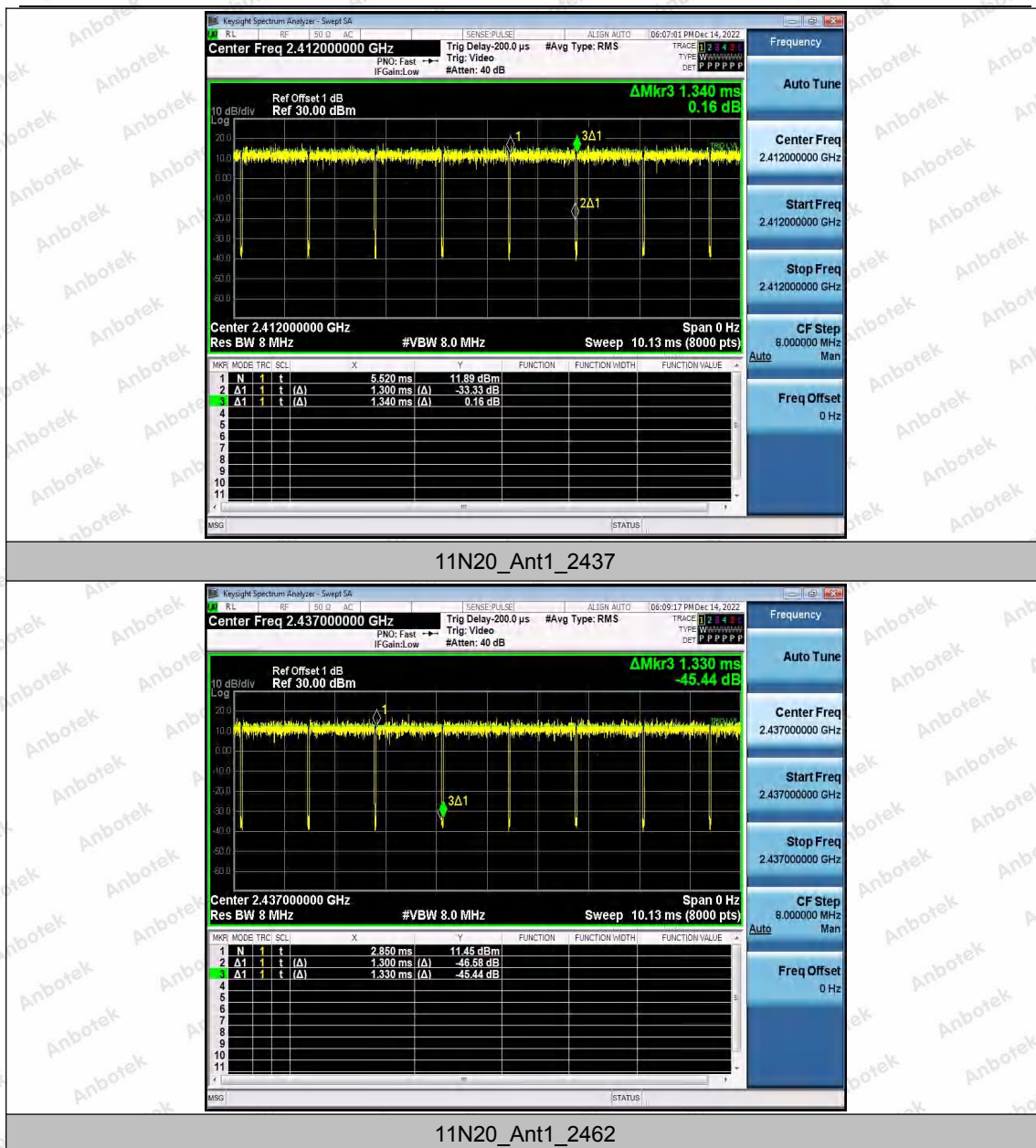
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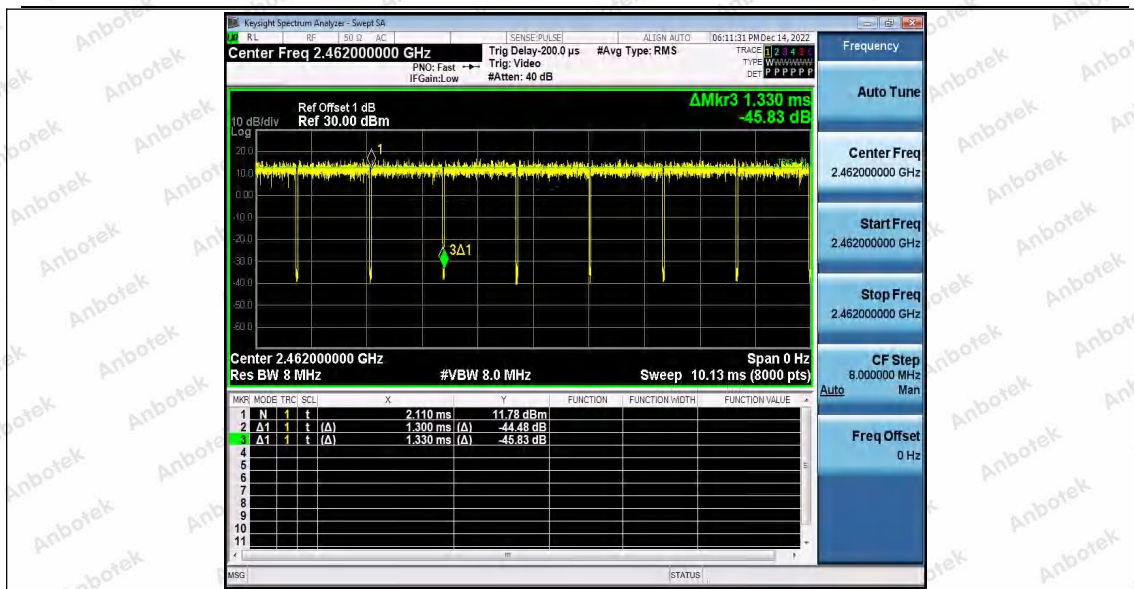
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