

Appendix Test Data

Report No.:	18220WC20158402	Test Sample No.:	1-2-2
Start Test Date:	2022.7.25	Finish Test Date:	2022.7.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3℃	Relative Humidity:	37 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.640	2407.440	2416.080	≥0.5	PASS
		2437	8.680	2432.920	2441.600	≥0.5	PASS
		2462	8.600	2457.440	2466.040	≥0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	≥0.5	PASS
		2437	16.520	2428.800	2445.320	≥0.5	PASS
		2462	16.480	2453.760	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
		2437	17.480	2428.360	2445.840	≥0.5	PASS
		2462	17.520	2453.160	2470.680	≥0.5	PASS

Test Graphs

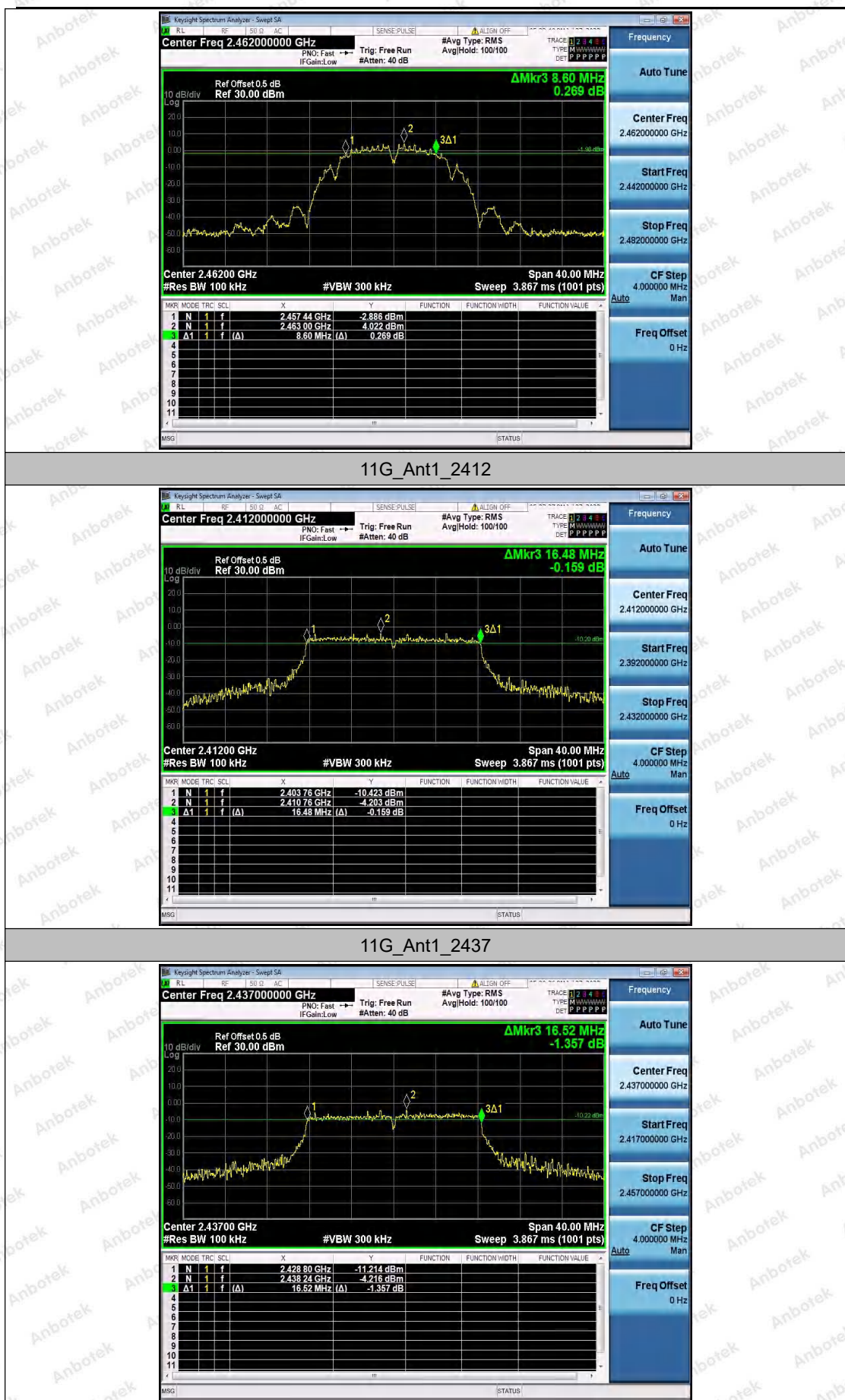
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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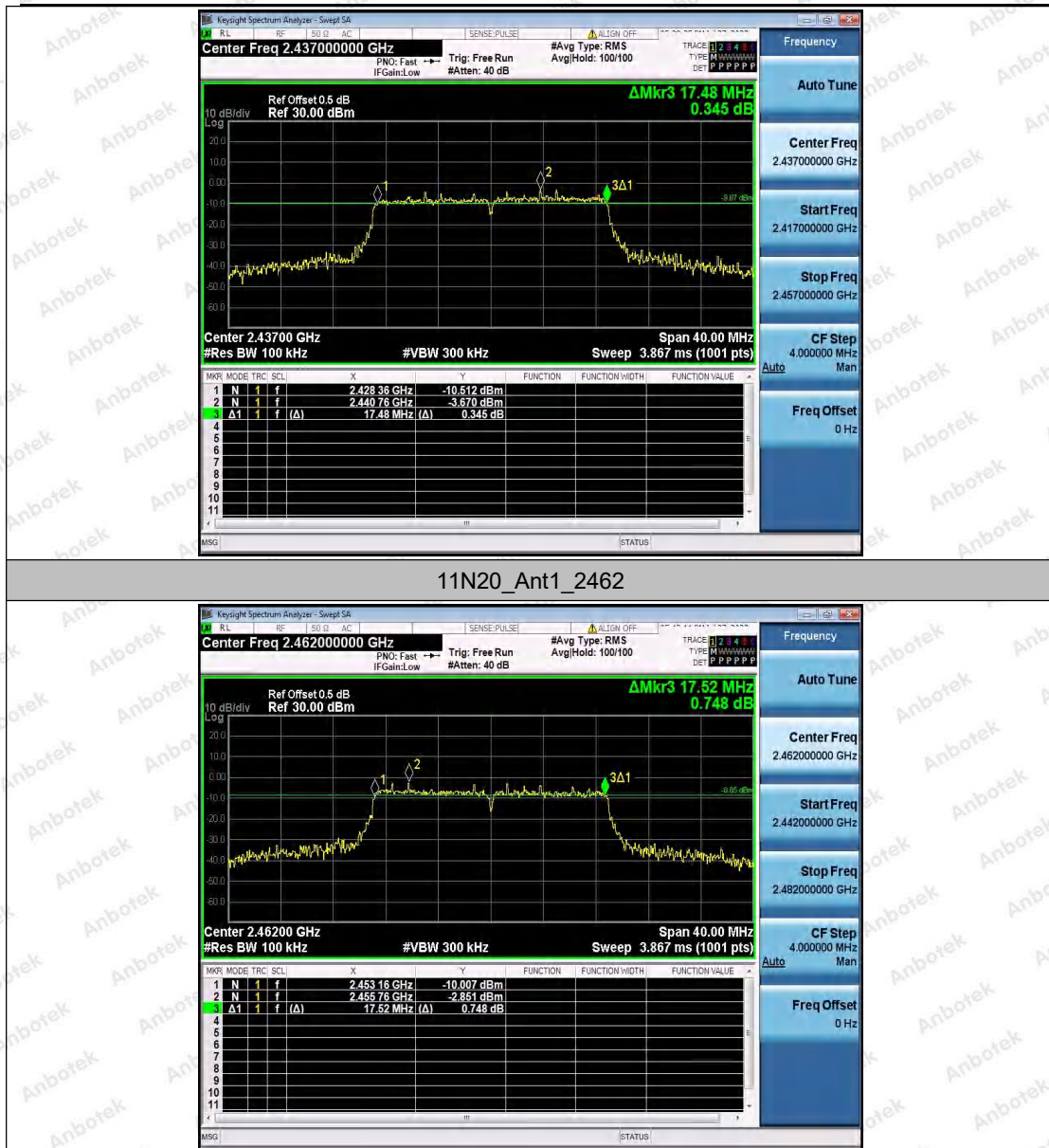
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.942	2406.018	2417.960	---	PASS
		2437	11.907	2431.168	2443.075	---	PASS
		2462	12.040	2455.971	2468.011	---	PASS
11G	Ant1	2412	17.281	2403.381	2420.662	---	PASS
		2437	17.172	2428.510	2445.682	---	PASS
		2462	17.387	2453.269	2470.656	---	PASS
11N20	Ant1	2412	18.054	2402.981	2421.035	---	PASS
		2437	18.055	2428.093	2446.148	---	PASS
		2462	18.266	2452.840	2471.106	---	PASS

Test Graphs



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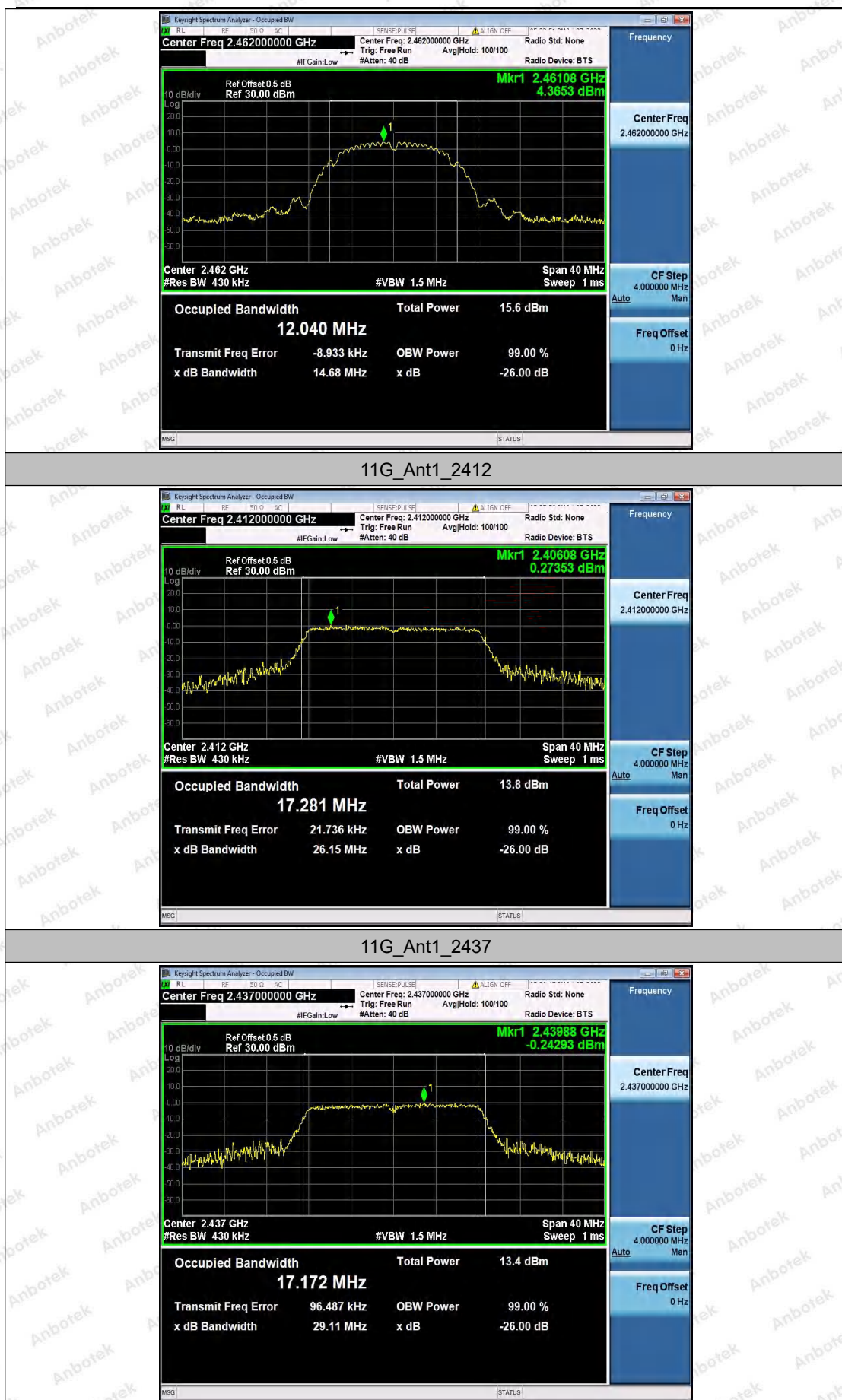
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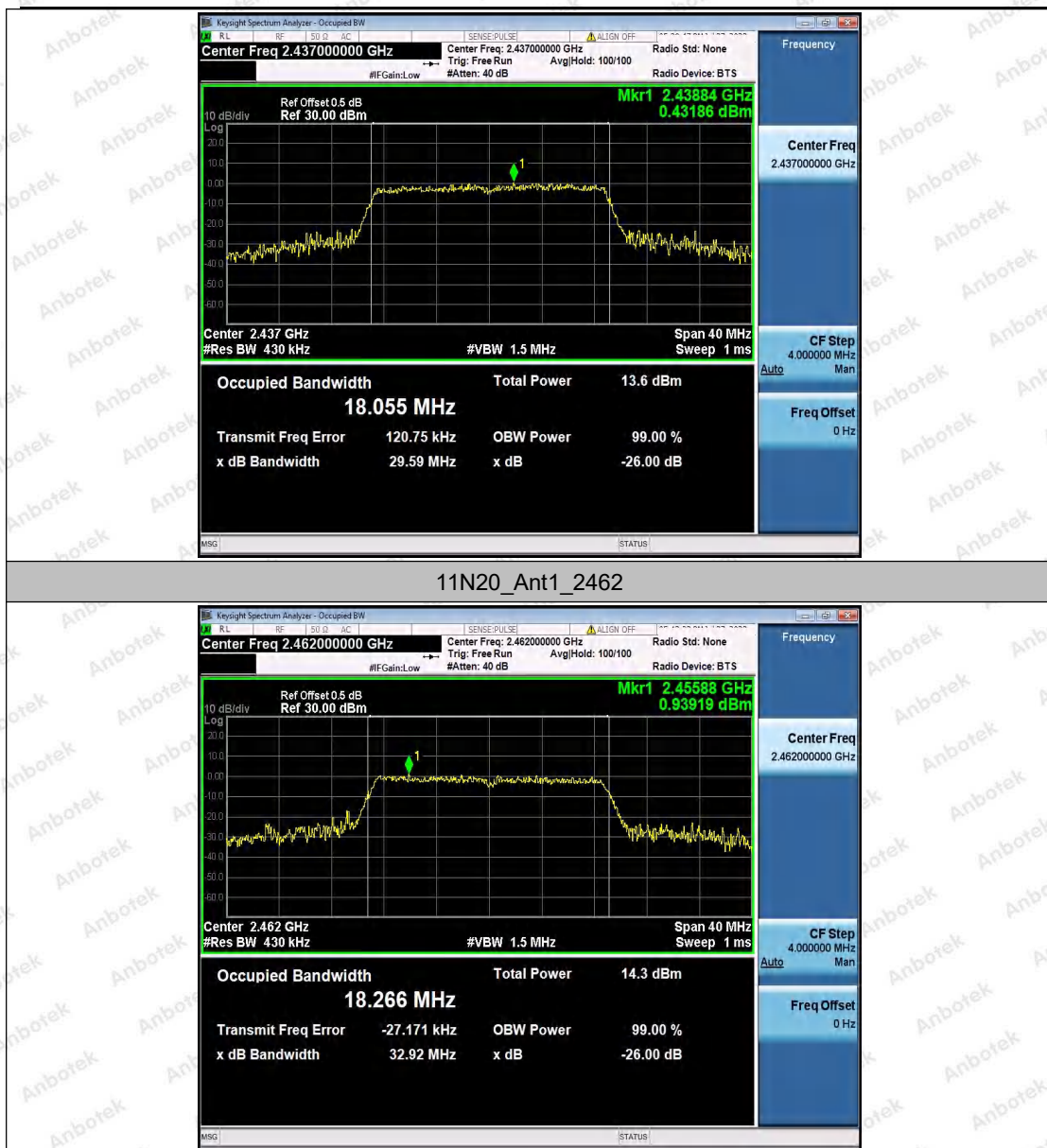
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.64	≤30	PASS
		2437	15.40	≤30	PASS
		2462	15.63	≤30	PASS
11G	Ant1	2412	15.12	≤30	PASS
		2437	14.70	≤30	PASS
		2462	15.39	≤30	PASS
11N20	Ant1	2412	15.30	≤30	PASS
		2437	14.76	≤30	PASS
		2462	15.60	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.15	≤8	PASS
		2437	-8.64	≤8	PASS
		2462	-7.98	≤8	PASS
11G	Ant1	2412	-17.41	≤8	PASS
		2437	-17.62	≤8	PASS
		2462	-18.06	≤8	PASS
11N20	Ant1	2412	-17.65	≤8	PASS
		2437	-17.49	≤8	PASS
		2462	-16.49	≤8	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



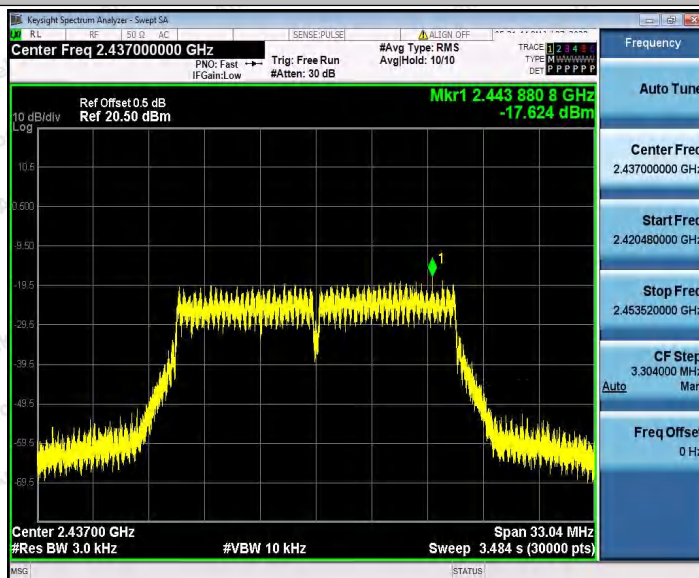
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



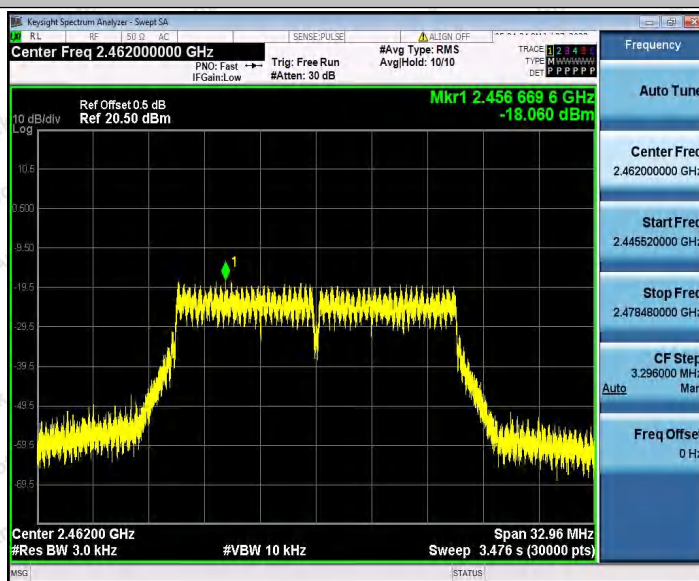
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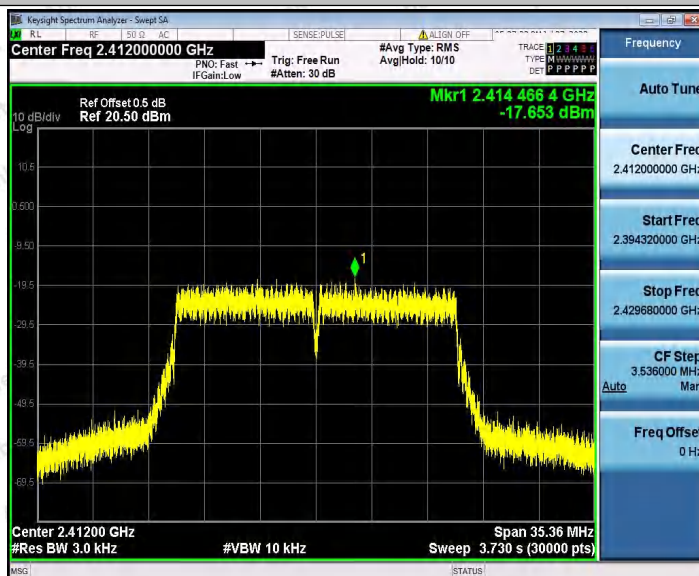
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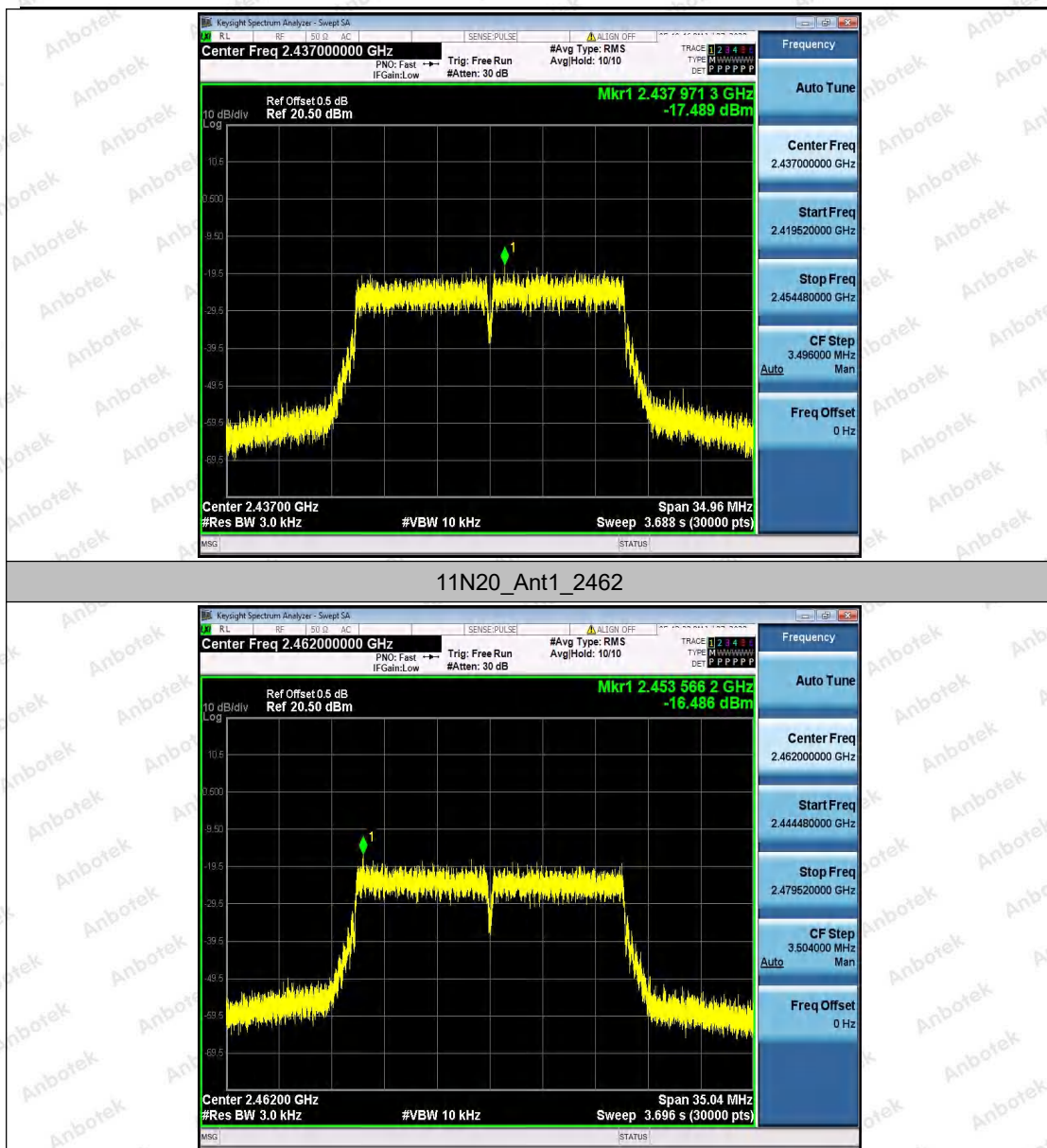
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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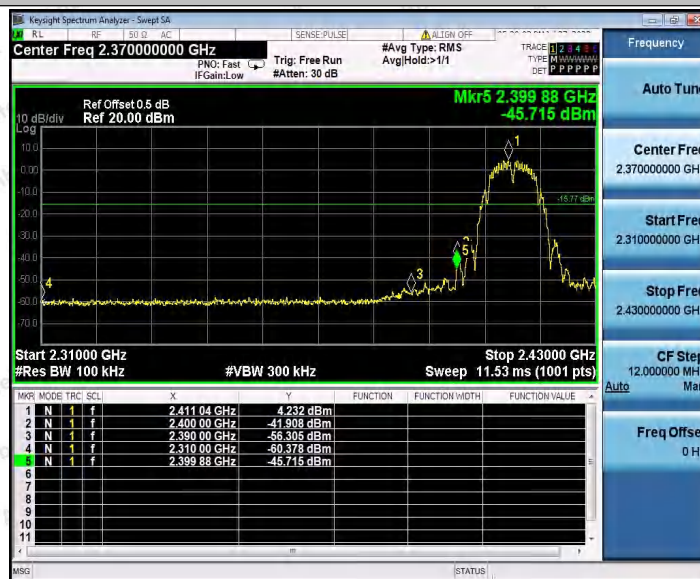
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.23	-45.72	≤-15.77	PASS
		High	2462	4.21	-52.59	≤-15.79	PASS
11G	Ant1	Low	2412	-3.13	-32.49	≤-23.13	PASS
		High	2462	-2.91	-43.21	≤-22.91	PASS
11N20	Ant1	Low	2412	-3.65	-33.27	≤-23.65	PASS
		High	2462	-2.91	-42.64	≤-22.91	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412



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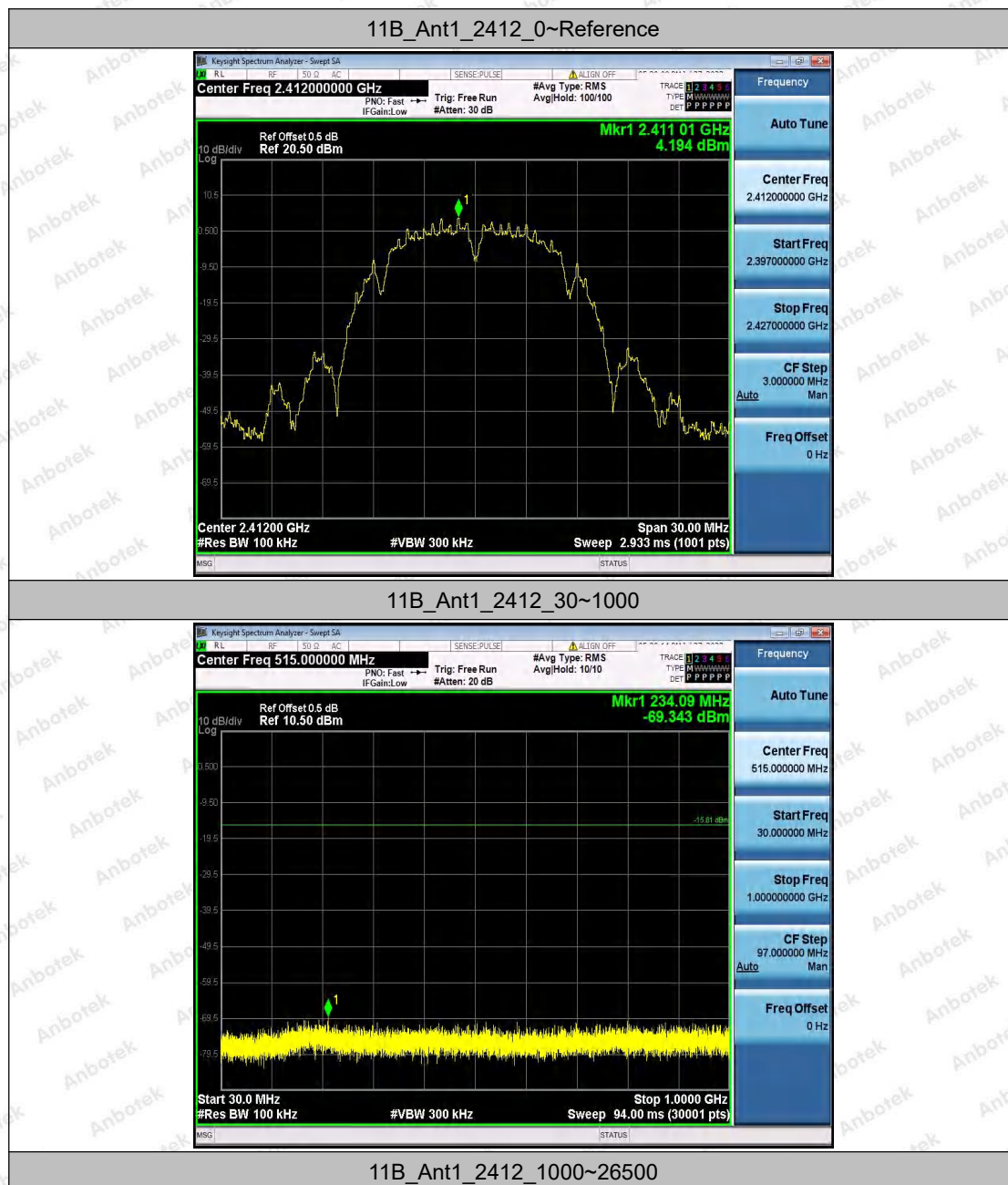
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-69.34	≤-15.81	PASS
			1000~26500	4.19	-54.19	≤-15.81	PASS
		2437	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-68.83	≤-15.85	PASS
			1000~26500	4.15	-53.53	≤-15.85	PASS
		2462	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-69.82	≤-16.02	PASS
			1000~26500	3.99	-54.25	≤-16.02	PASS
11G	Ant1	2412	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-69.6	≤-23.16	PASS
			1000~26500	-3.16	-53.45	≤-23.16	PASS
		2437	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-69.66	≤-23.9	PASS
			1000~26500	-3.90	-53.71	≤-23.9	PASS
		2462	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-69.72	≤-23.82	PASS
			1000~26500	-3.82	-53.86	≤-23.82	PASS
11N20	Ant1	2412	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-69.57	≤-23.44	PASS
			1000~26500	-3.44	-53.89	≤-23.44	PASS
		2437	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-69.62	≤-23.45	PASS
			1000~26500	-3.45	-54.24	≤-23.45	PASS
		2462	Reference	-2.63	-2.63	---	PASS
			30~1000	-2.63	-69.62	≤-22.63	PASS
			1000~26500	-2.63	-54.19	≤-22.63	PASS

Test Graphs



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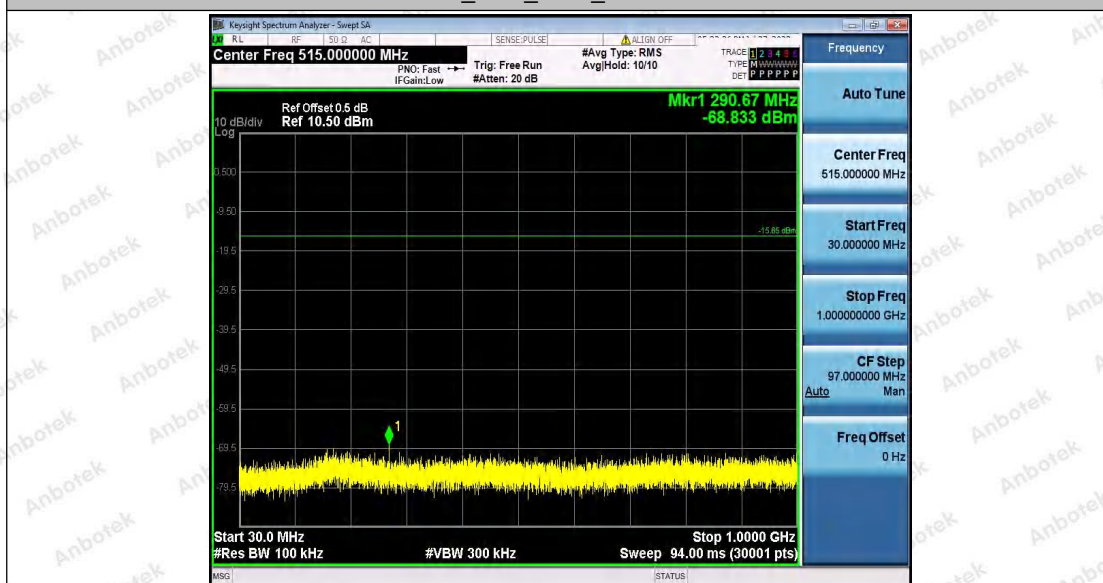
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

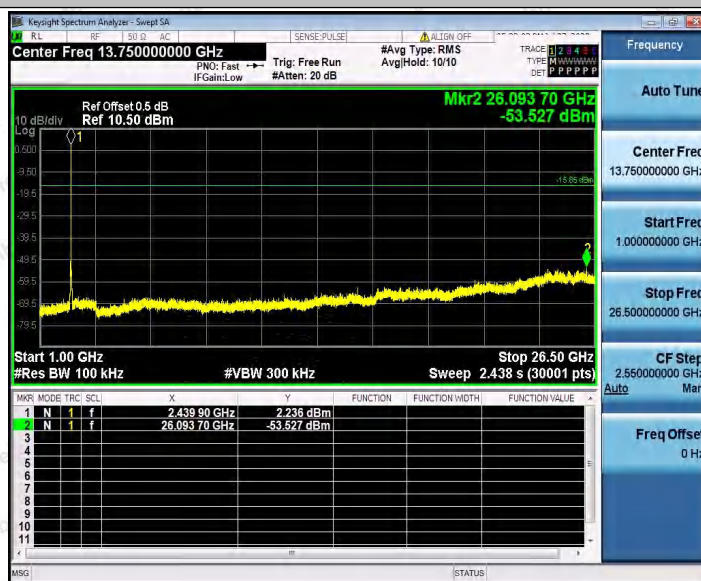


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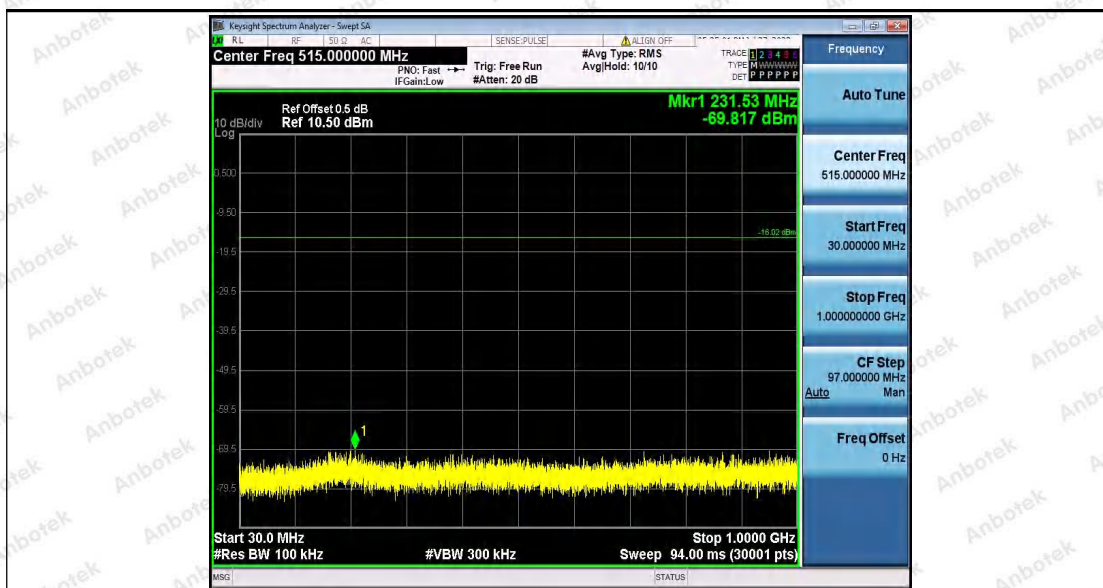
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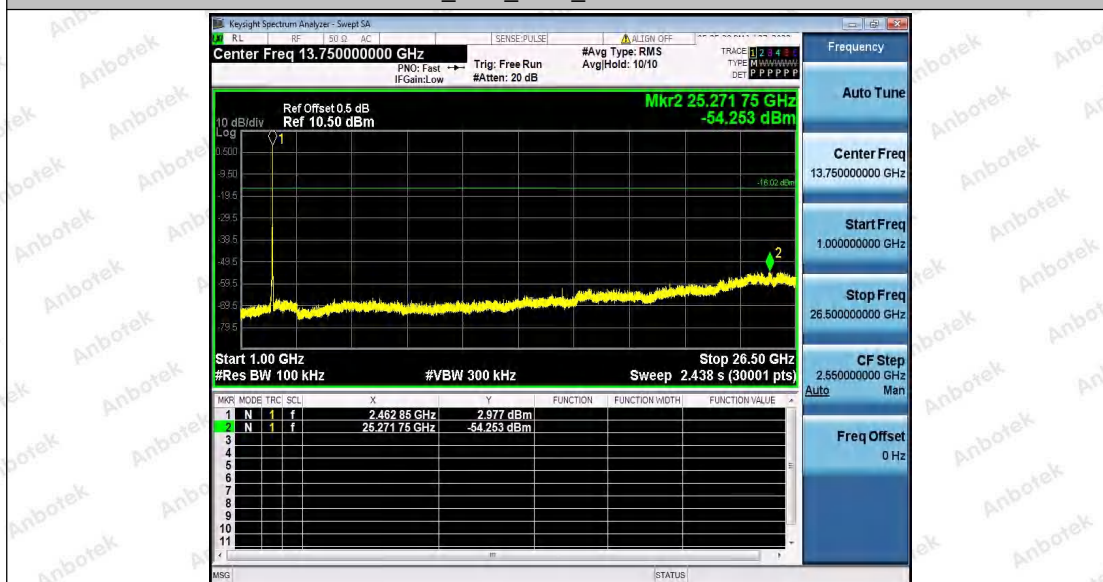
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11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



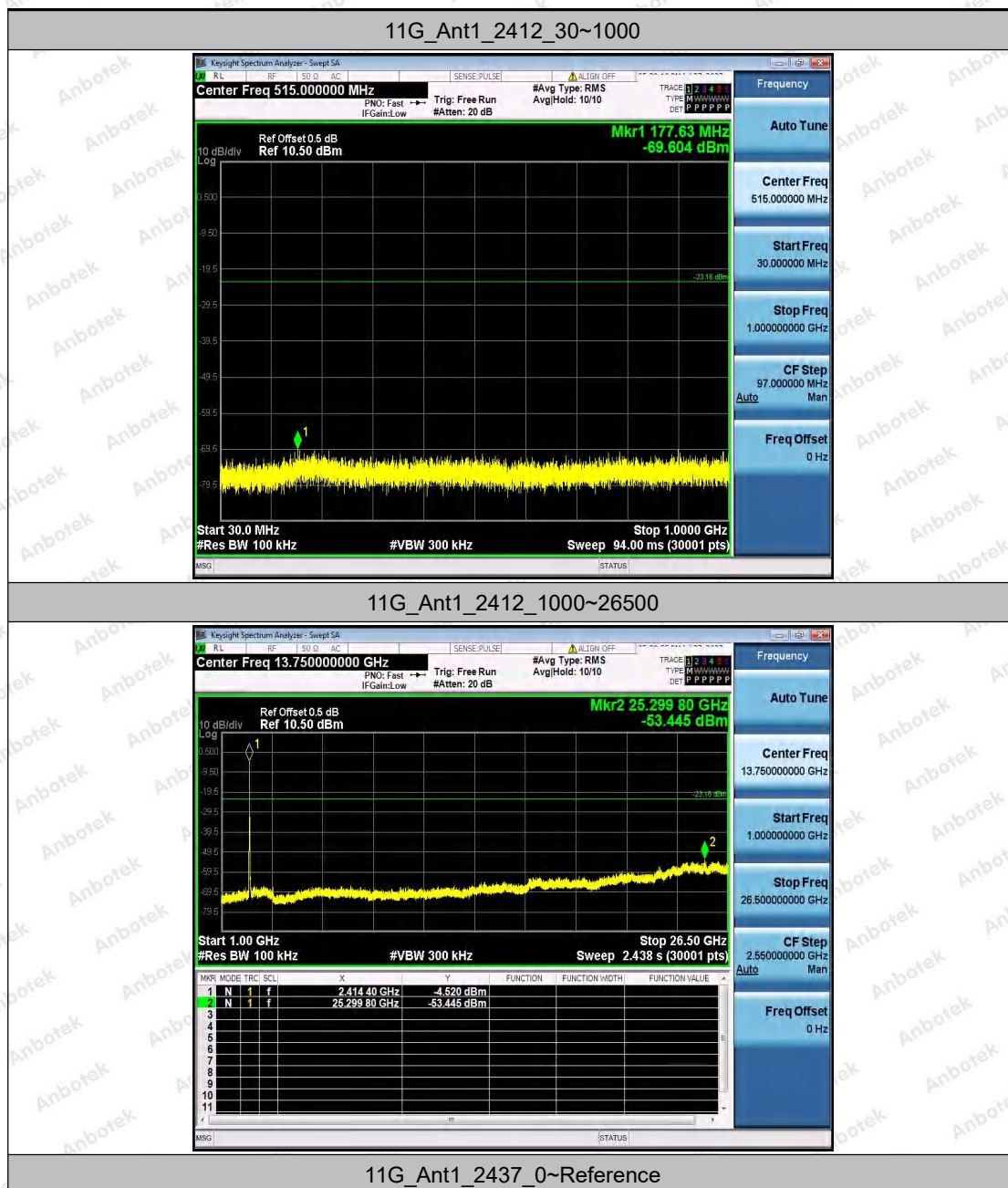
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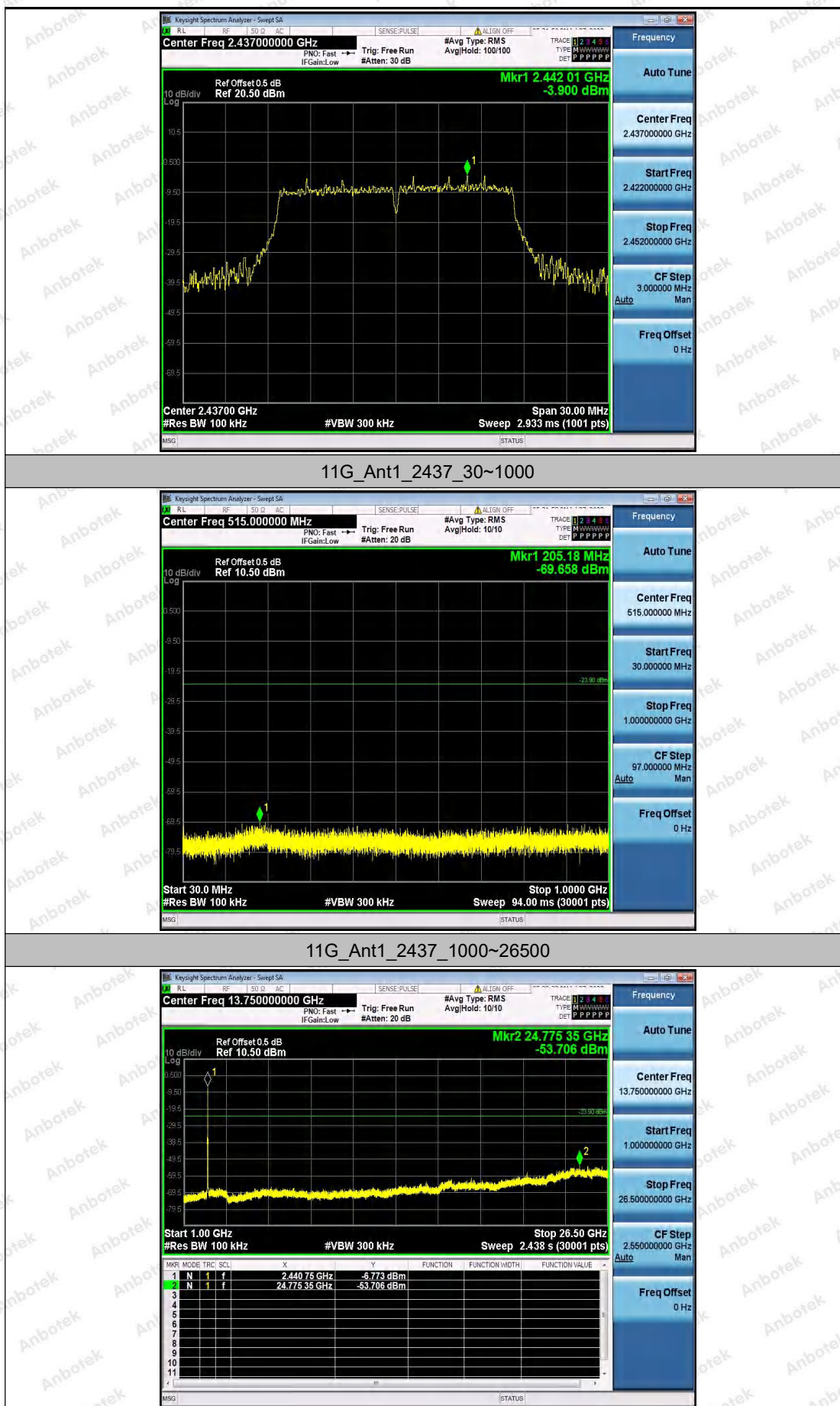


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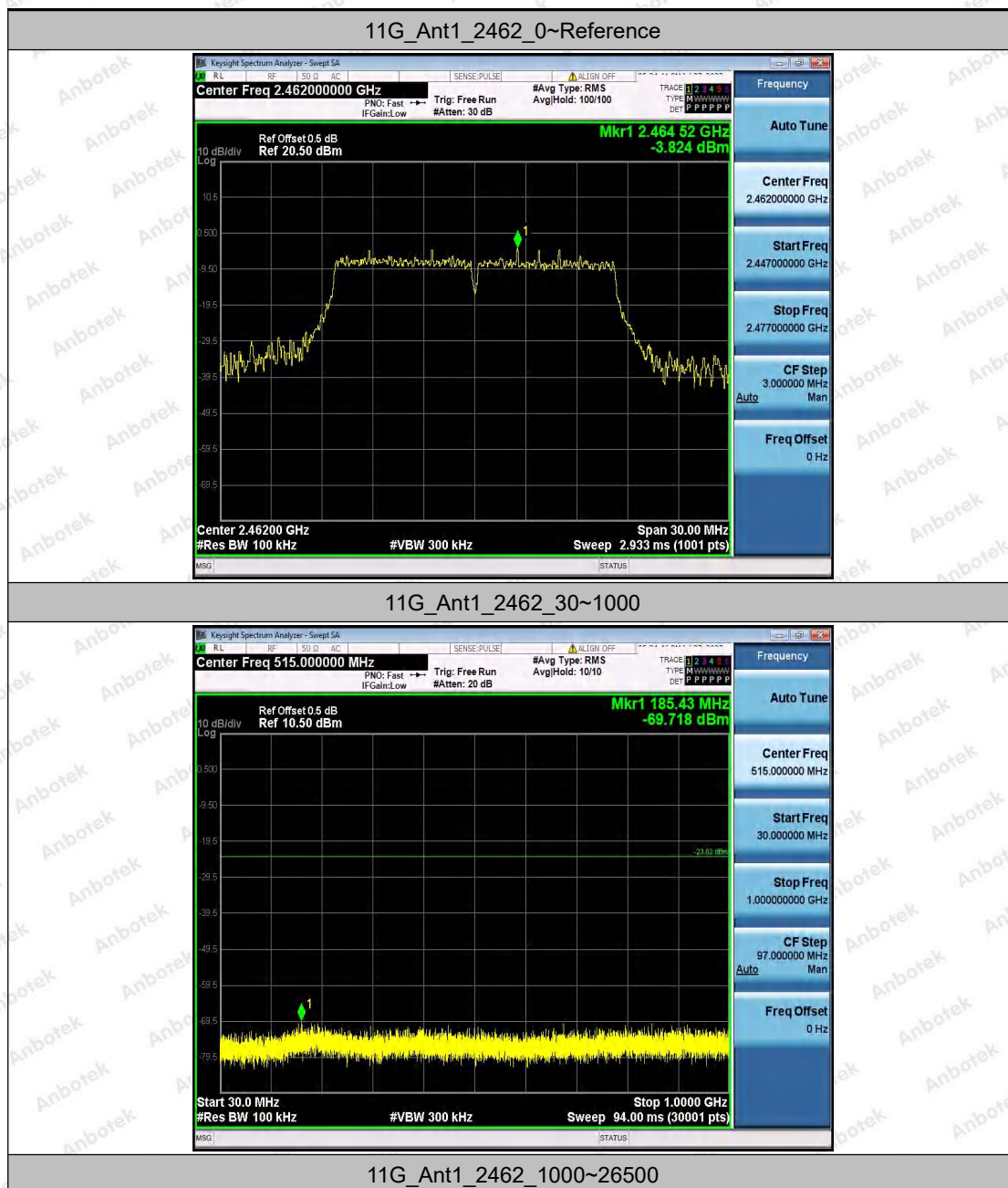


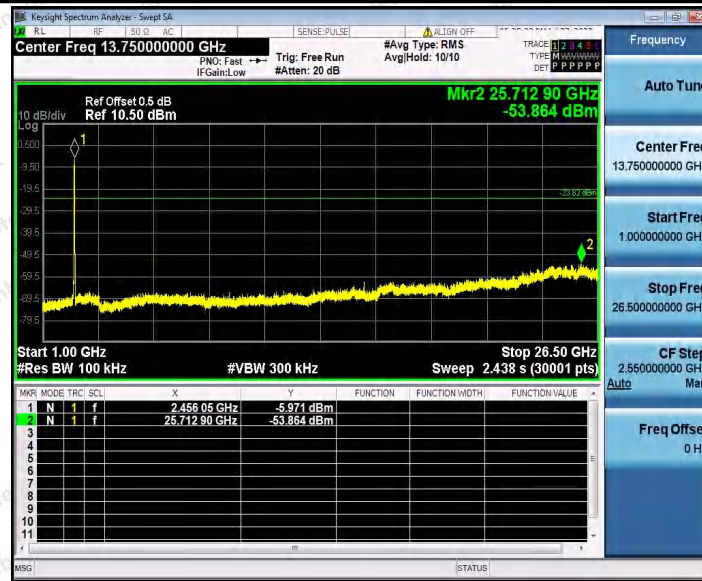


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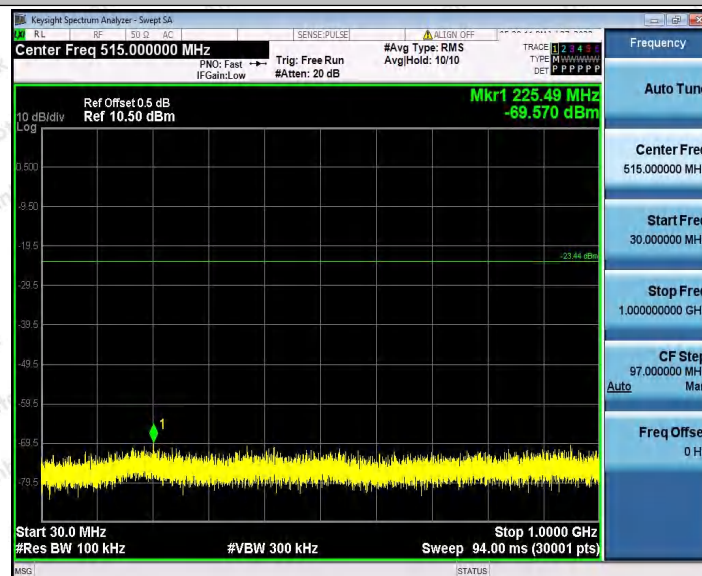




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11N20_Ant1_2412_30~1000

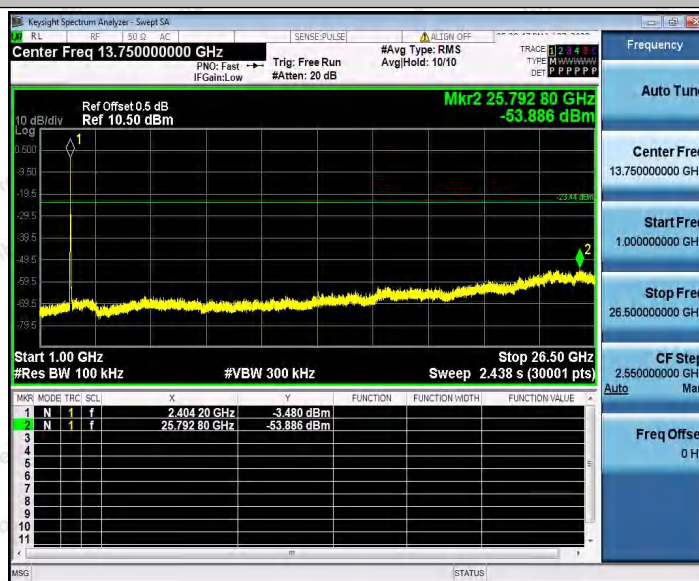


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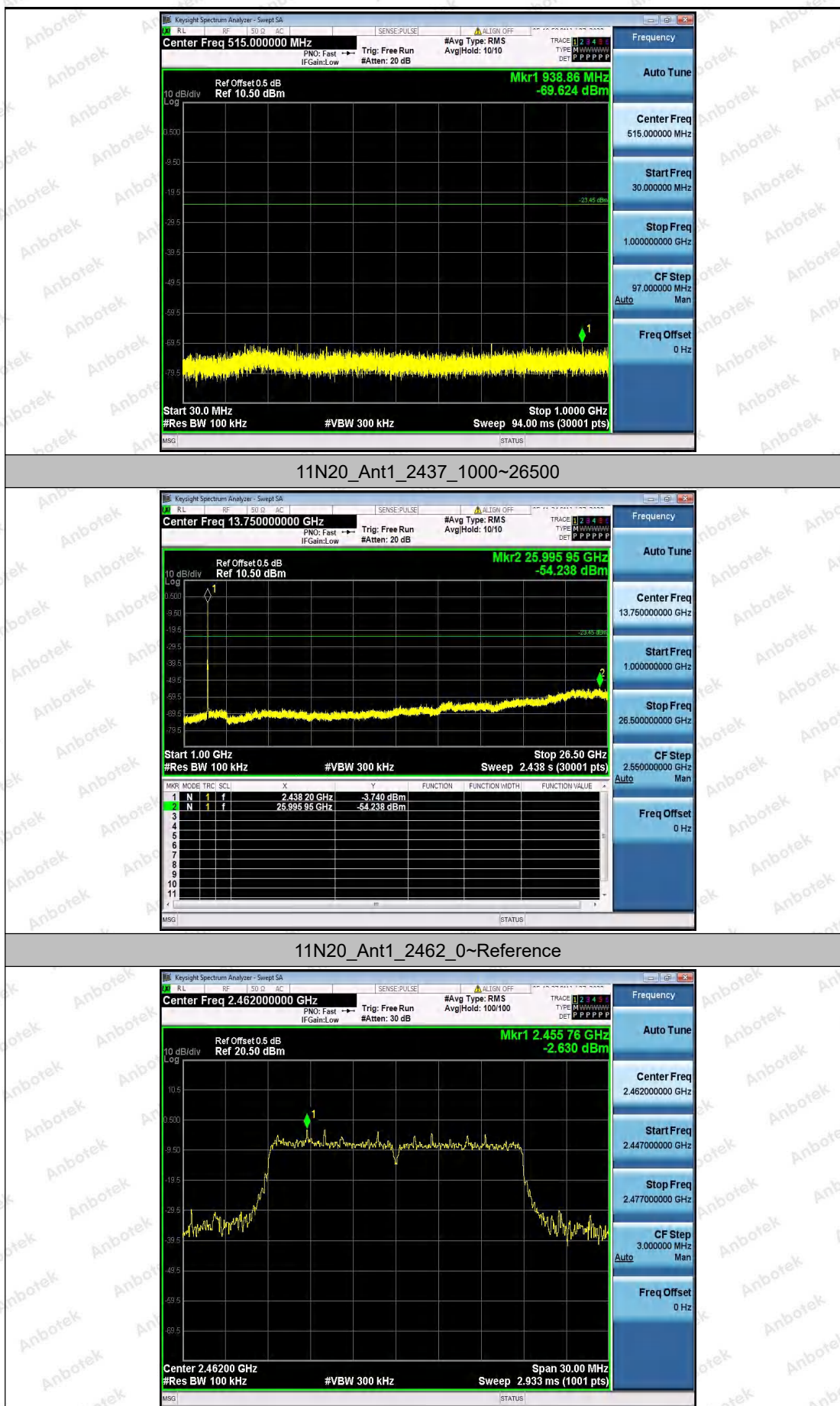
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11N20_Ant1_2437_0~Reference



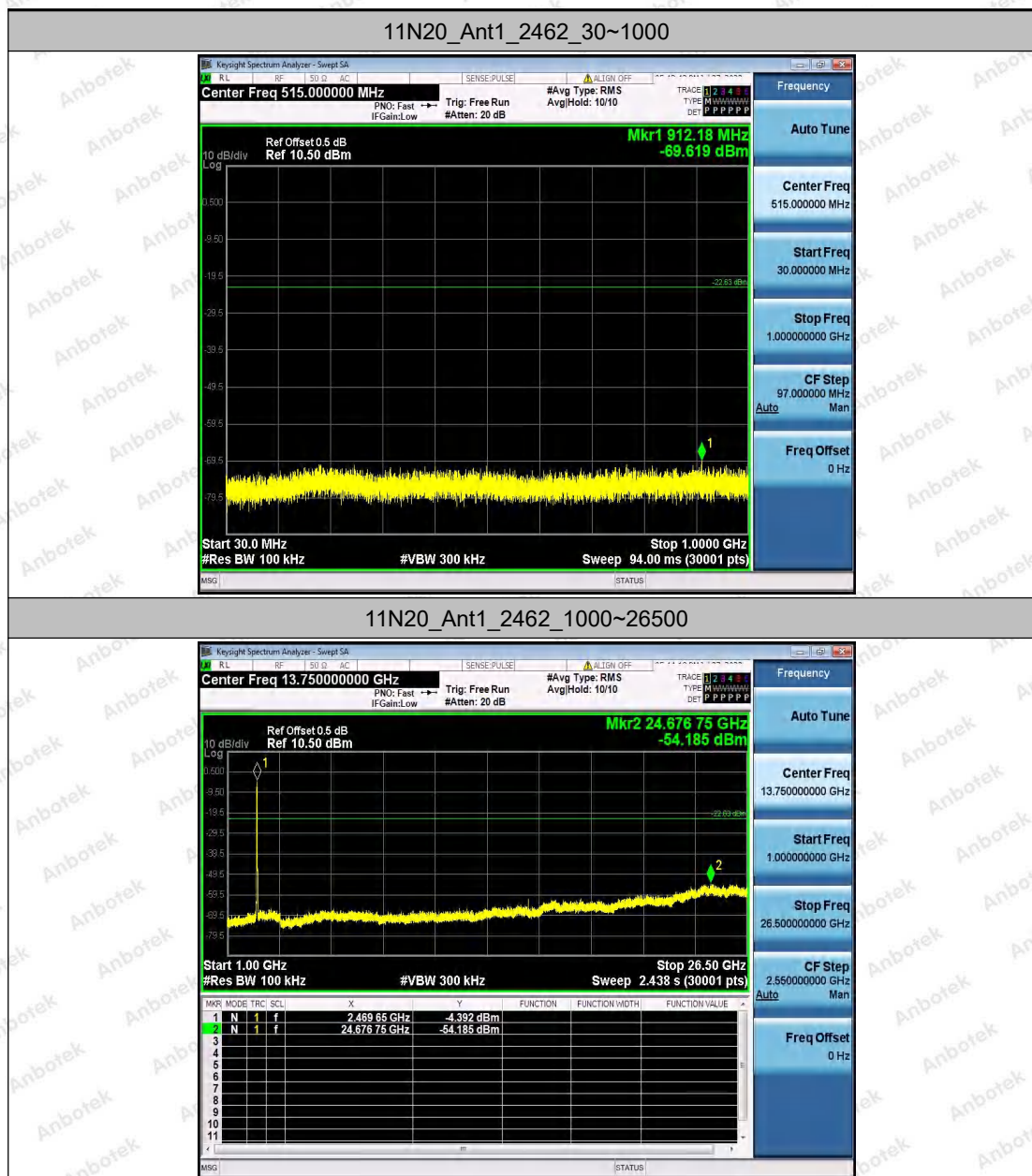
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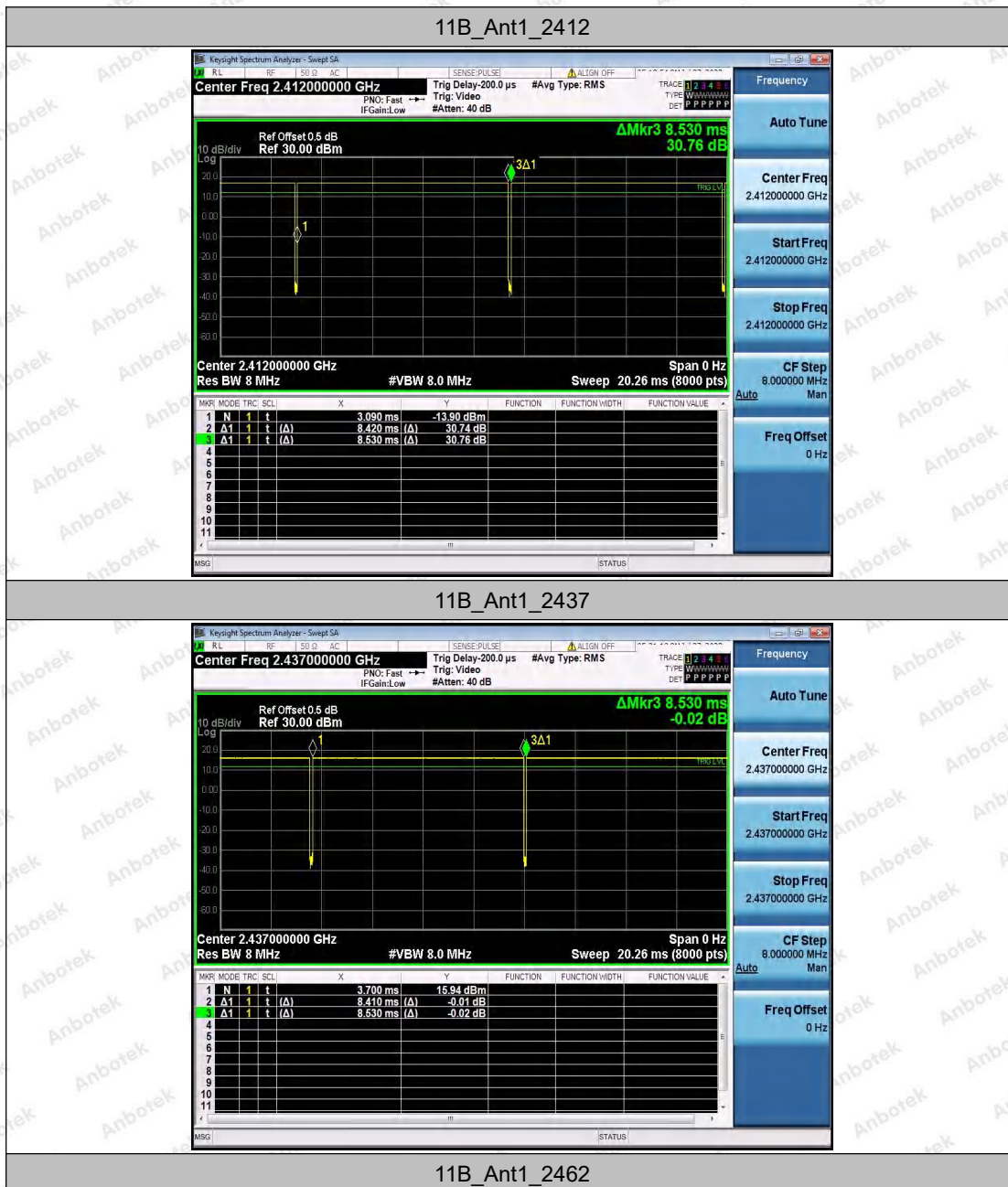
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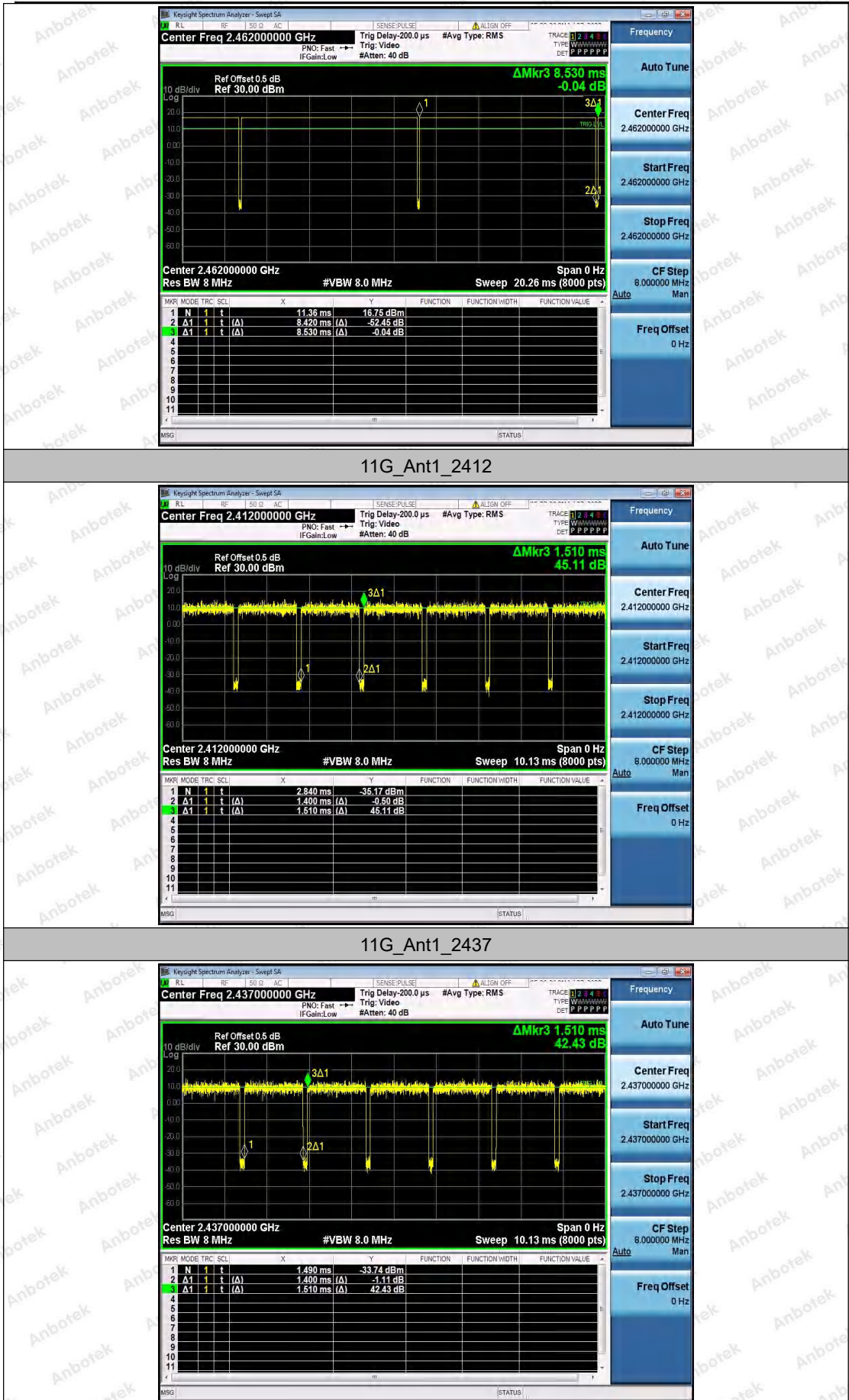
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.42	8.53	98.71	---	PASS
		2437	8.41	8.53	98.59	---	PASS
		2462	8.42	8.53	98.71	---	PASS
11G	Ant1	2412	1.40	1.51	92.72	---	PASS
		2437	1.40	1.51	92.72	---	PASS
		2462	1.39	1.50	92.67	---	PASS
11N20	Ant1	2412	1.18	1.29	91.47	---	PASS
		2437	1.18	1.29	91.47	---	PASS
		2462	1.18	1.29	91.47	---	PASS

Test Graphs





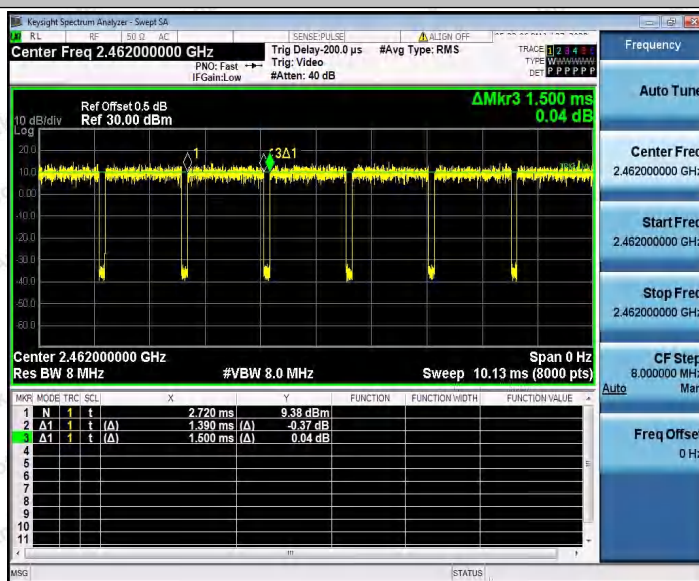
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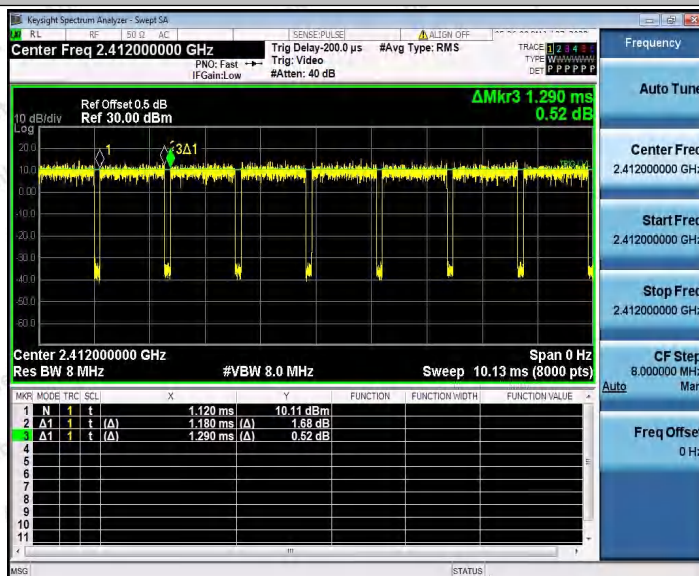
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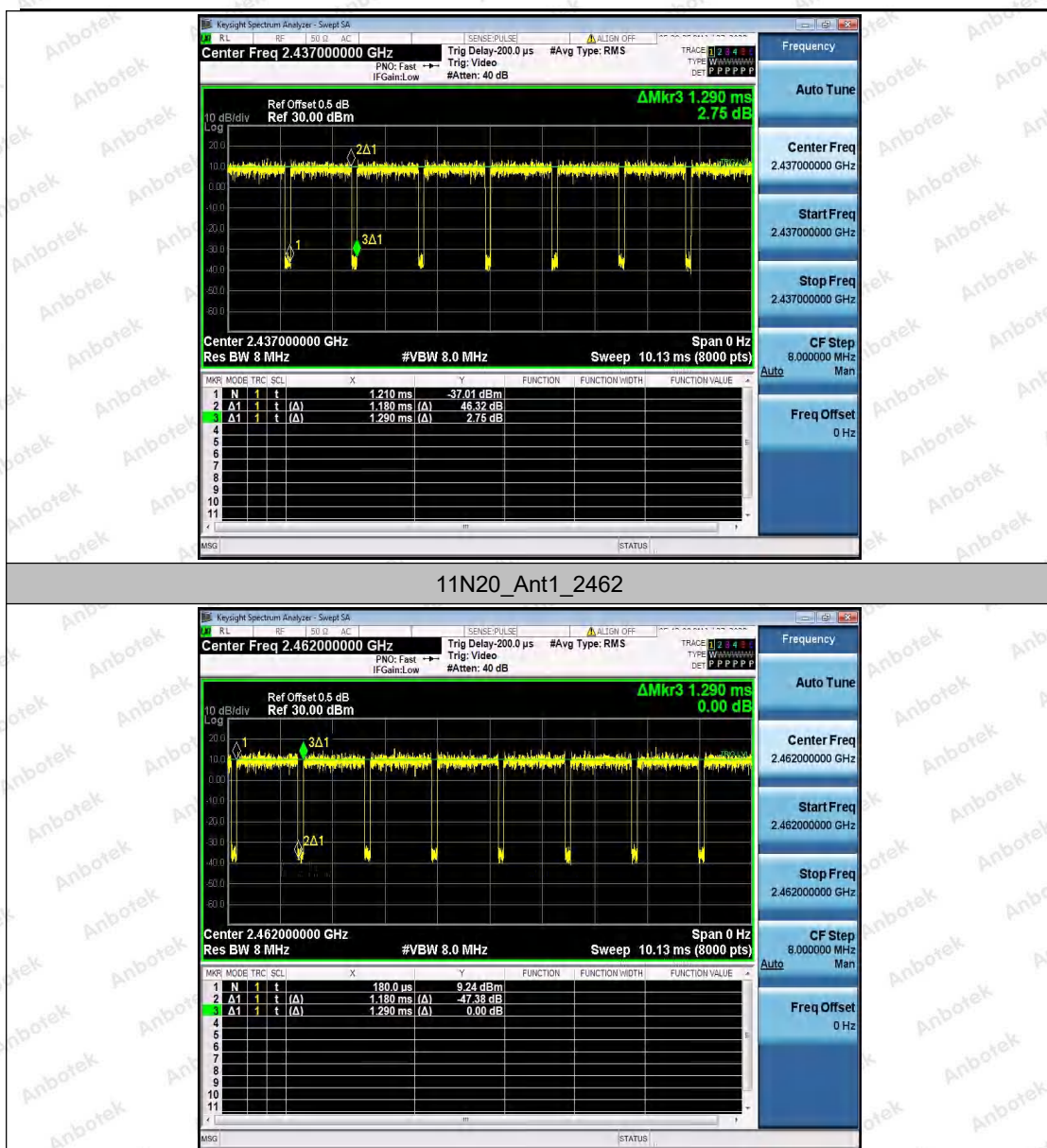
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



---End---