

Appendix Test Data

Report No.:	18220WC20276601	Test Sample No.:	1-2-2
Start Test Date:	2022.12.2	Finish Test Date:	2022.12.8
Test Engineer:	Jony.He	Auditor:	Edward.Pan
Temperature:	24.3°C	Relative Humidity:	46 %
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	7.640	2408.160	2415.800	≥0.5	PASS
		2437	7.360	2433.160	2440.520	≥0.5	PASS
		2462	8.040	2458.000	2466.040	≥0.5	PASS
11G	Ant1	2412	15.760	2404.440	2420.200	≥0.5	PASS
		2437	15.120	2429.440	2444.560	≥0.5	PASS
		2462	15.600	2453.960	2469.560	≥0.5	PASS

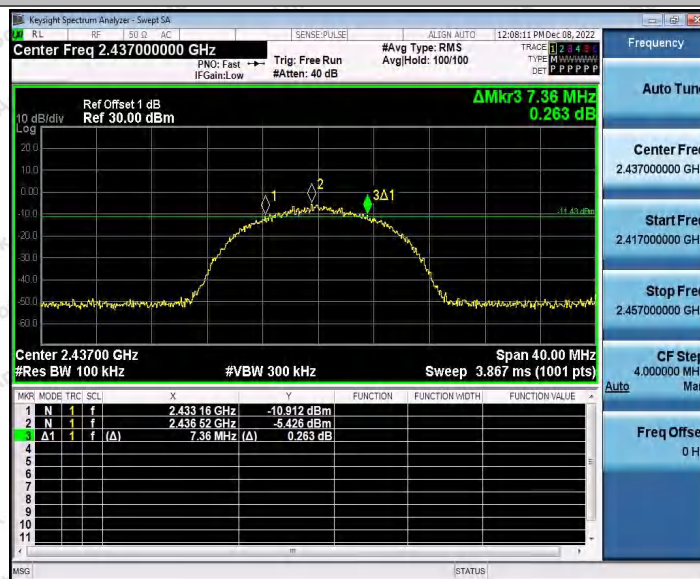


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

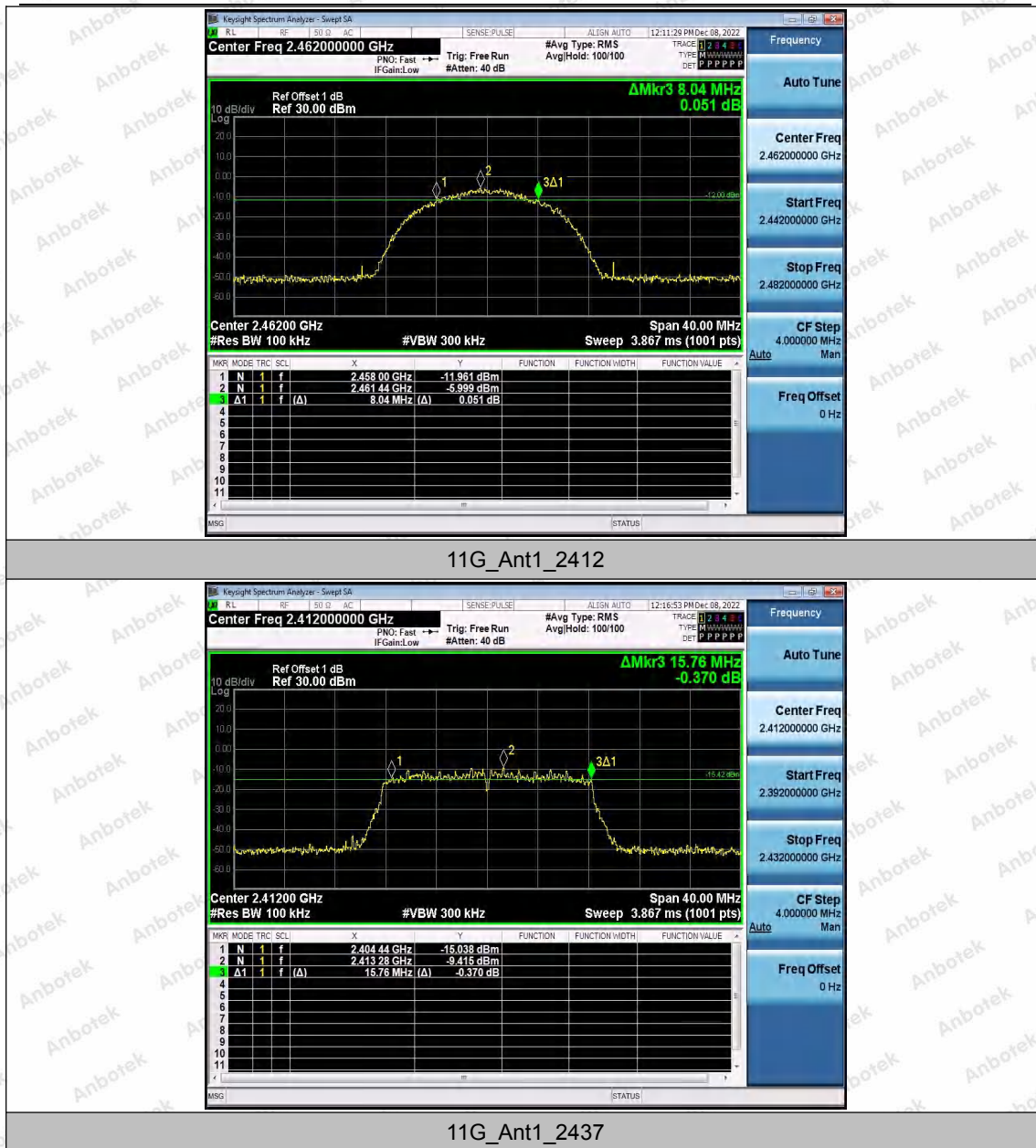
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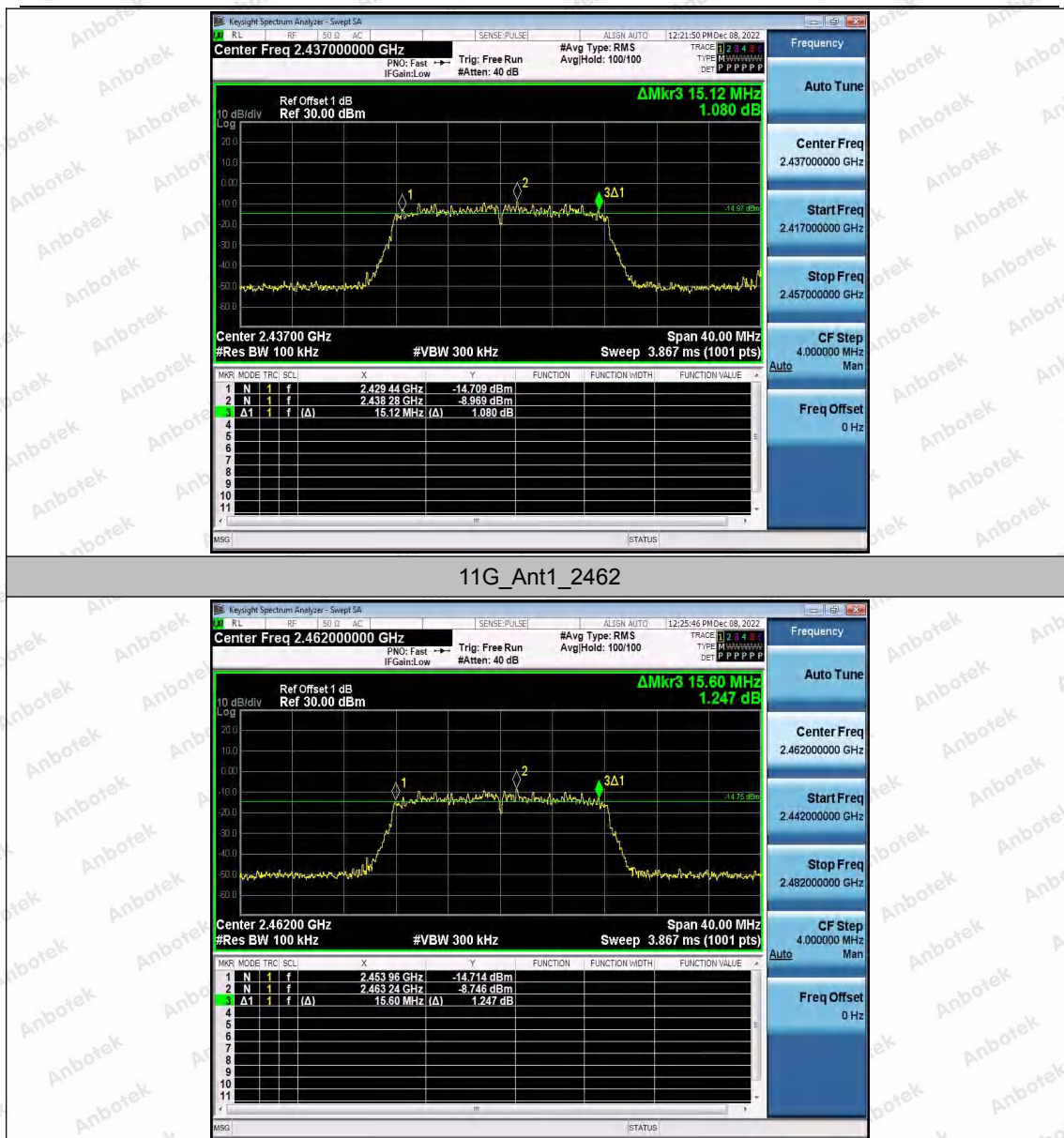
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.293	2405.8929	2418.1859	---	---
		2437	12.337	2430.8722	2443.2092	---	---
		2462	12.314	2455.8572	2468.1712	---	---
11G	Ant1	2412	16.558	2403.7648	2420.3228	---	---
		2437	16.539	2428.7578	2445.2968	---	---
		2462	16.510	2453.7717	2470.2817	---	---



Test Graphs



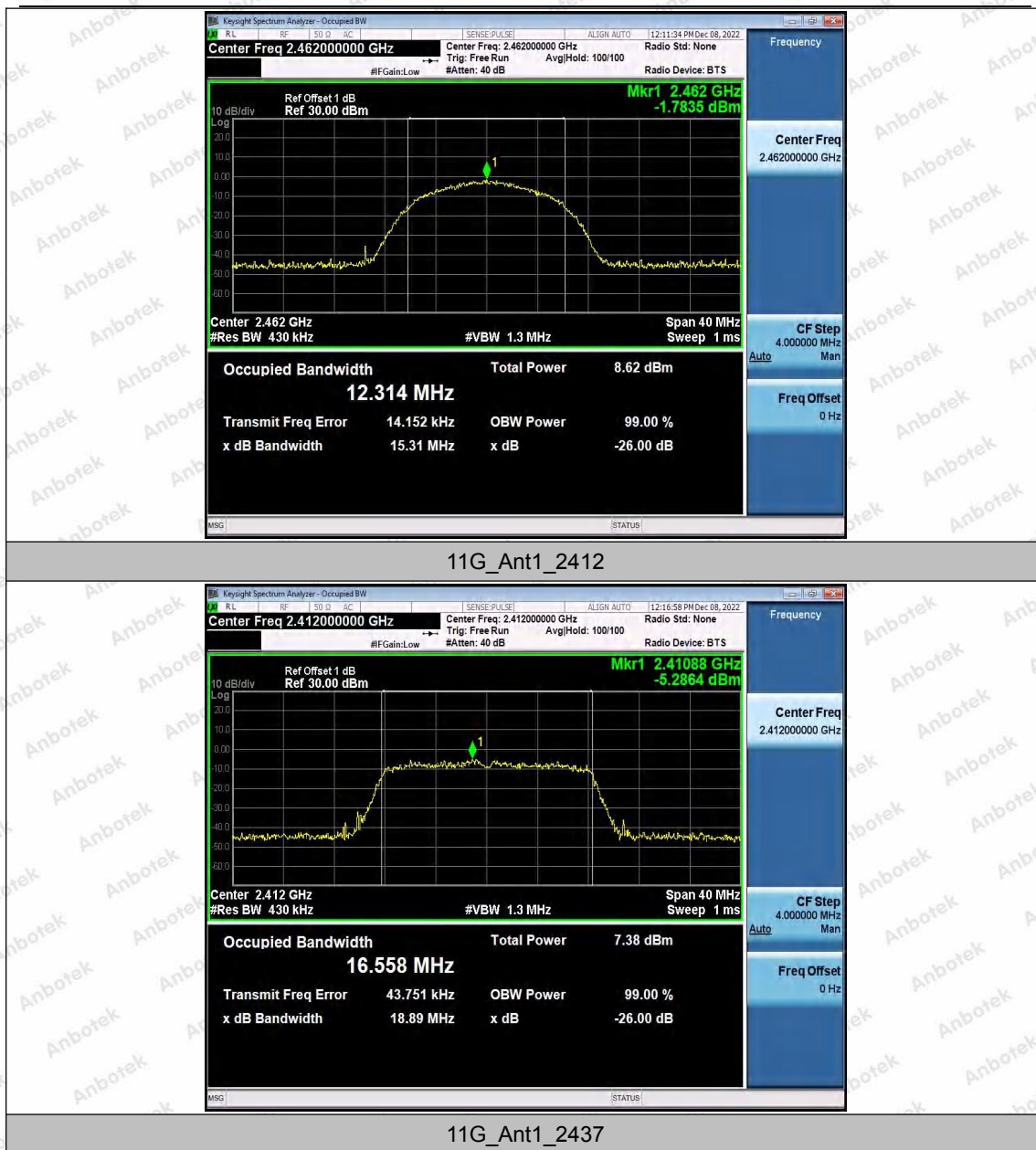
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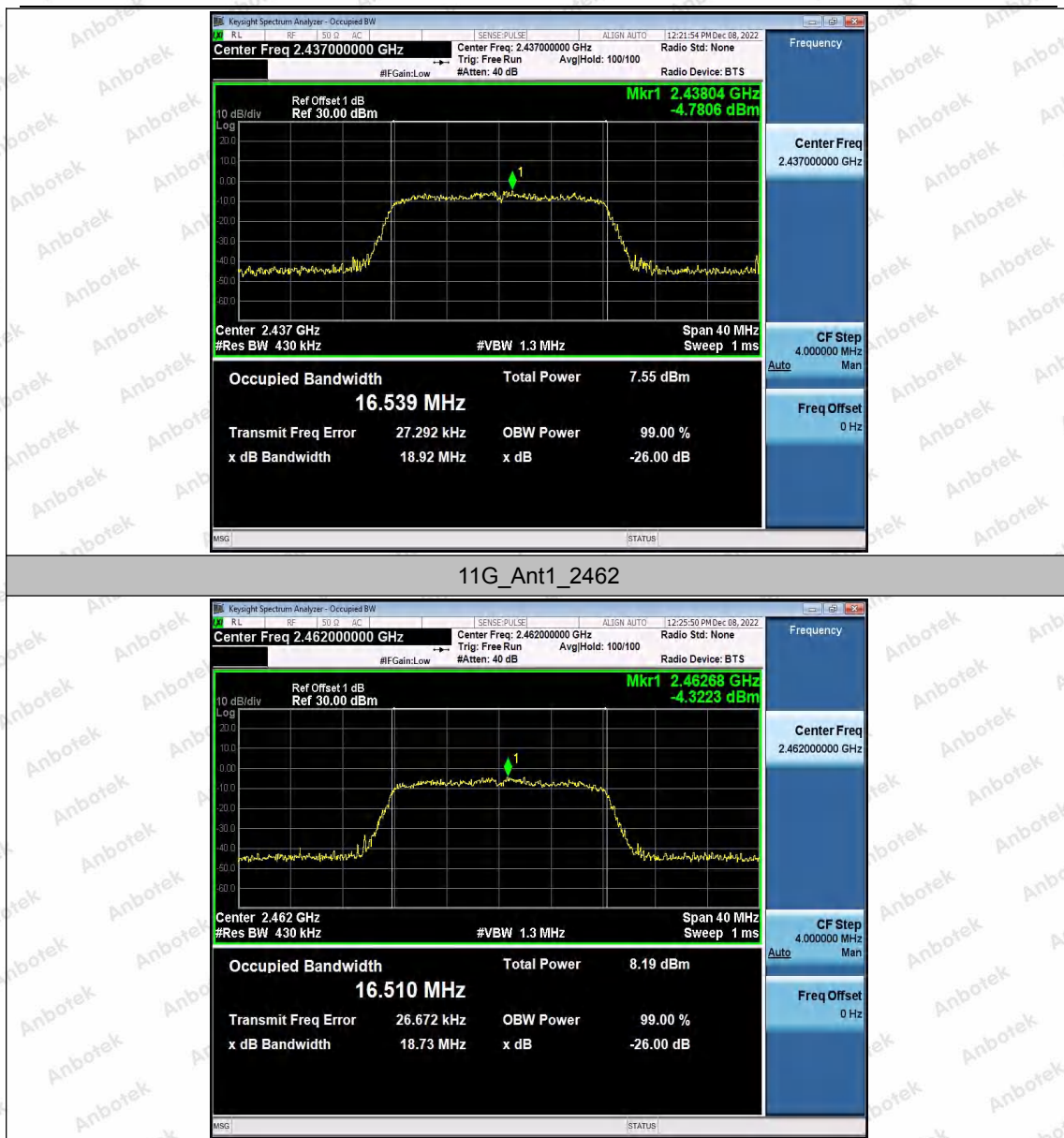
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	7.74	≤30.00
		2437	7.93	≤30.00
		2462	8.53	≤30.00
11G	Ant1	2412	8.38	≤30.00
		2437	8.53	≤30.00
		2462	8.95	≤30.00



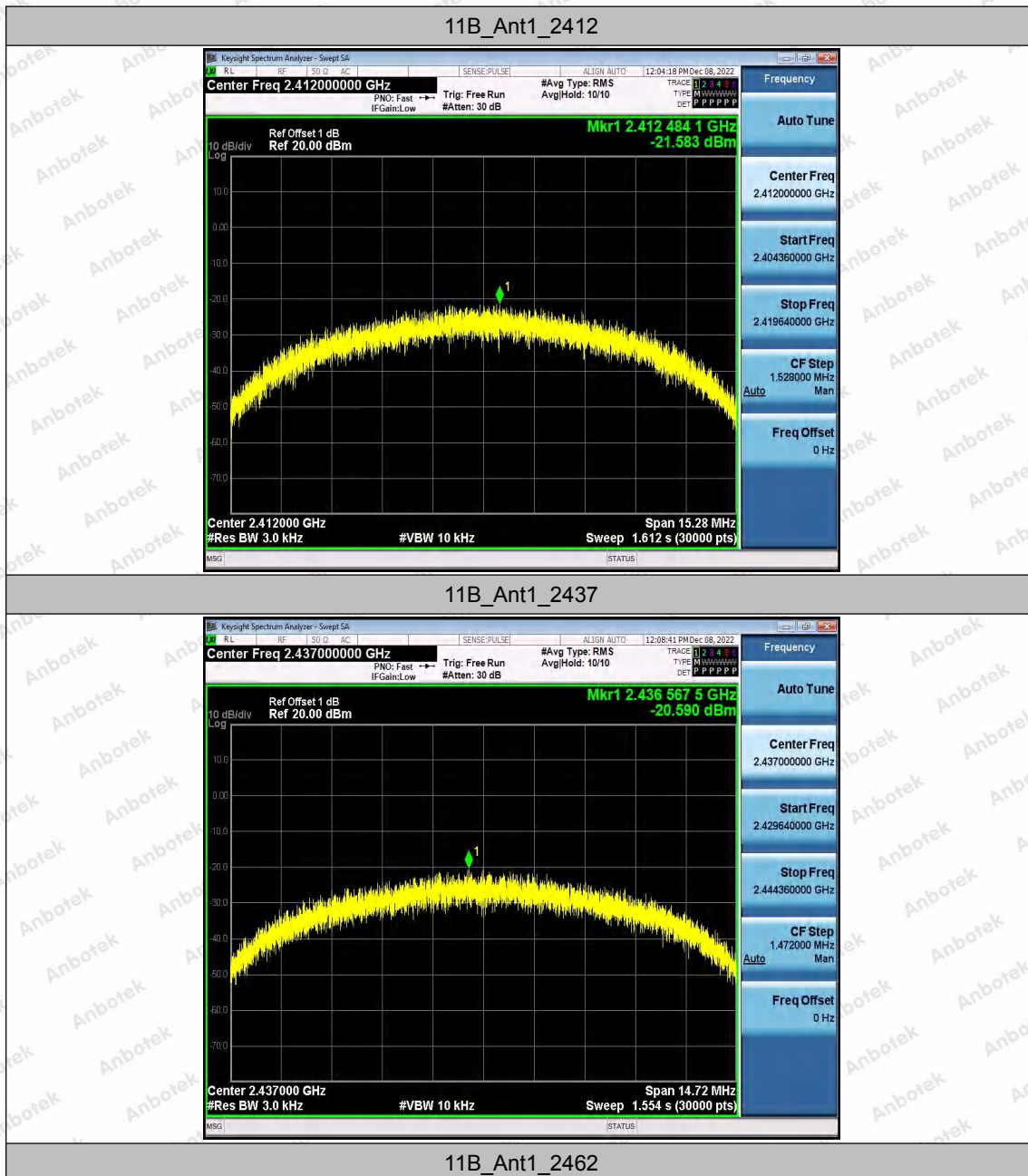
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-21.58	≤8.00	PASS
		2437	-20.59	≤8.00	PASS
		2462	-19.61	≤8.00	PASS
11G	Ant1	2412	-24.25	≤8.00	PASS
		2437	-23.49	≤8.00	PASS
		2462	-22.81	≤8.00	PASS



Test Graphs



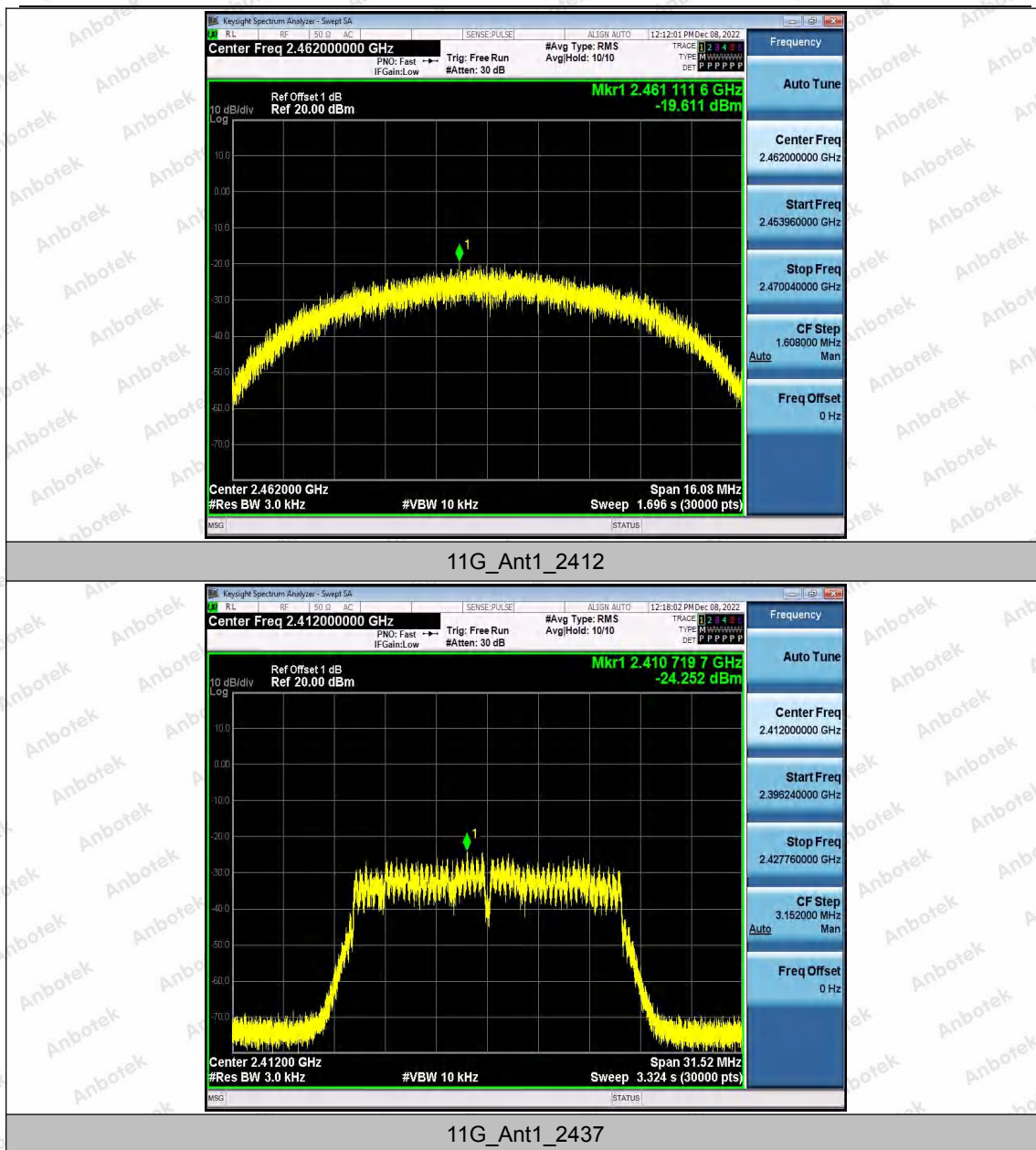
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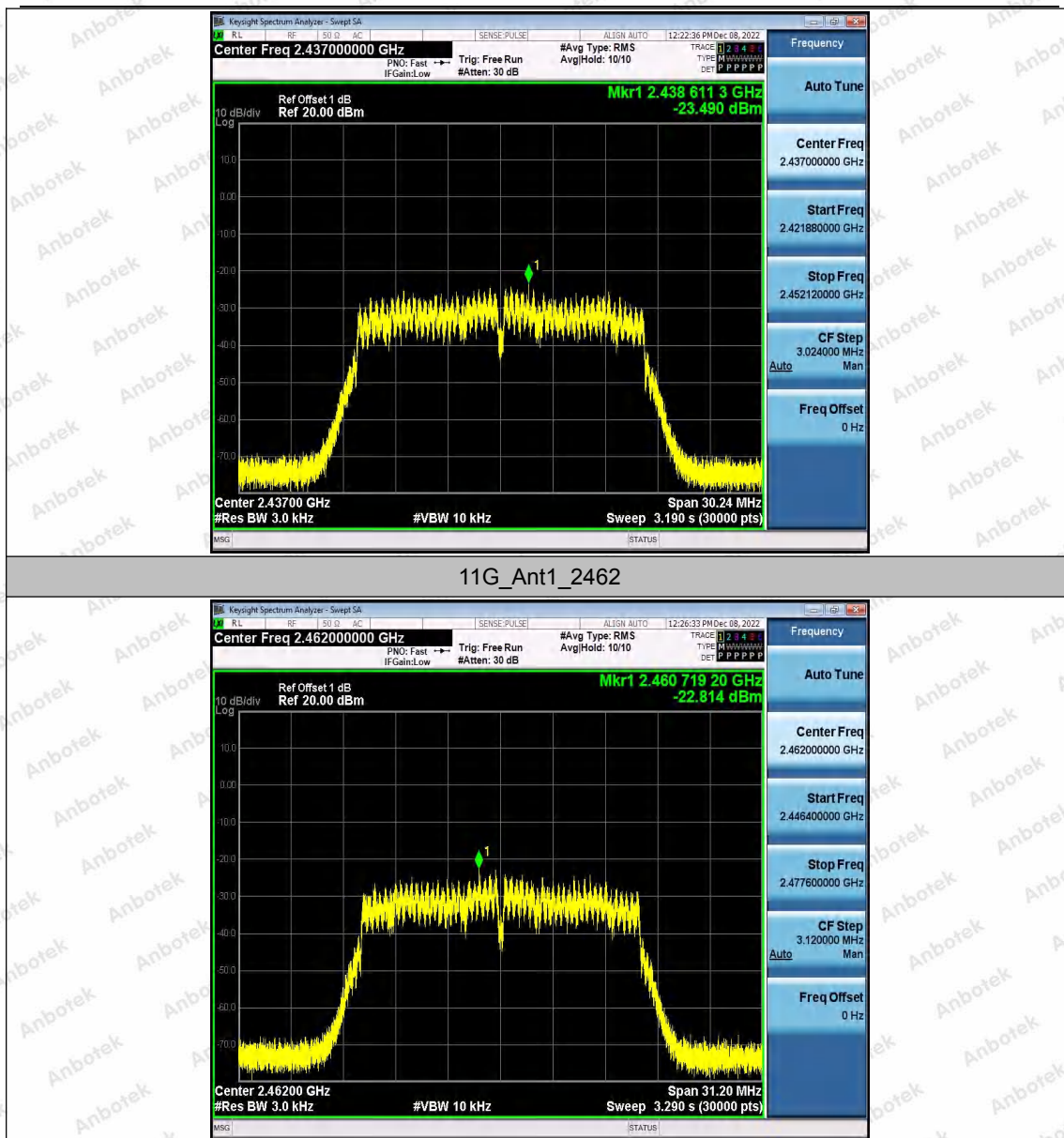
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	-6.11	-57.35	≤-26.11	PASS
		High	2462	-5.47	-57.58	≤-25.47	PASS
11G	Ant1	Low	2412	-9.49	-51.33	≤-29.49	PASS
		High	2462	-8.59	-56.07	≤-28.59	PASS



Test Graphs



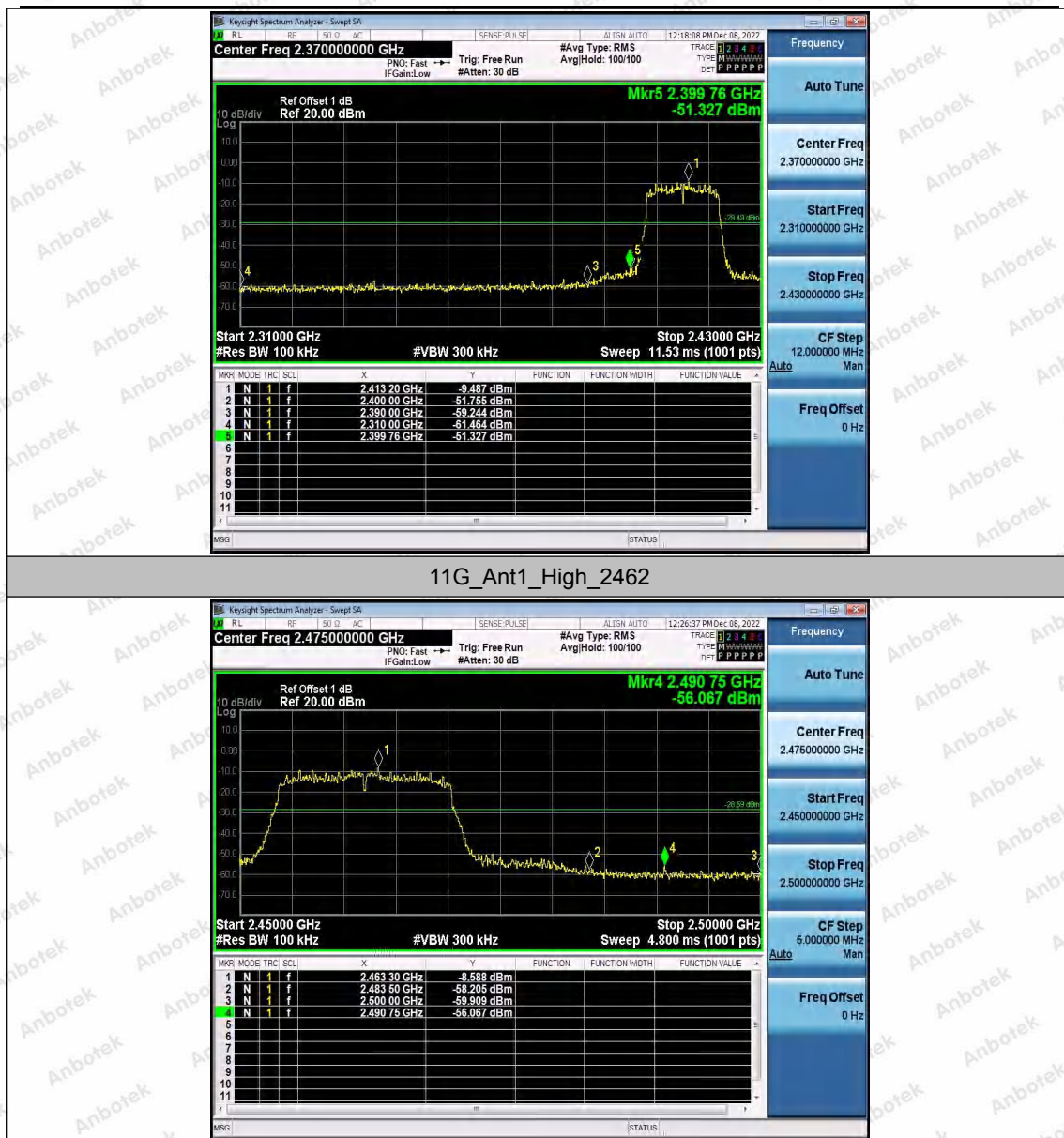
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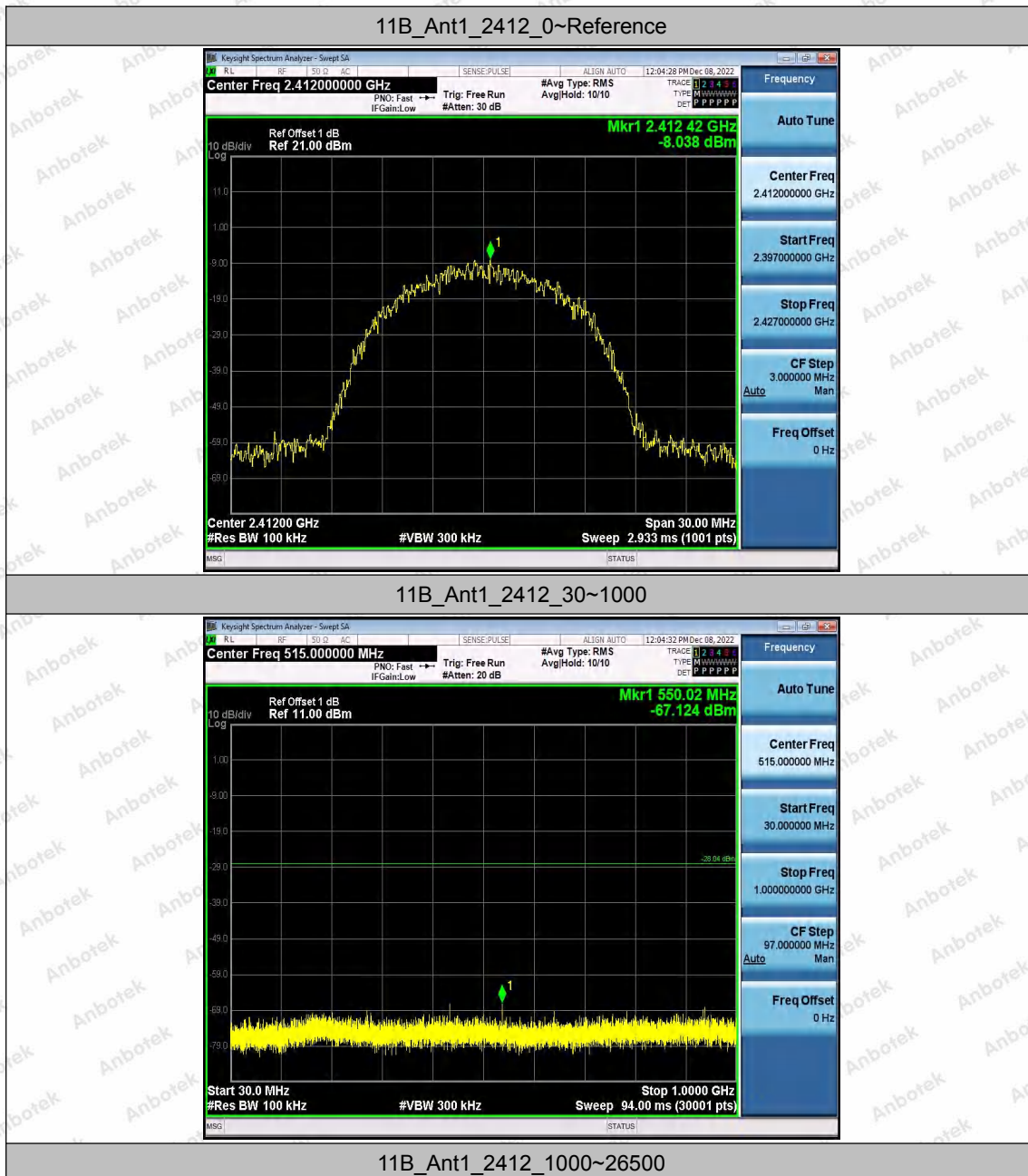
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-8.04	-8.04	---	PASS
			30~1000	-8.04	-67.12	≤-28.04	PASS
			1000~26500	-8.04	-53.63	≤-28.04	PASS
		2437	Reference	-7.15	-7.15	---	PASS
			30~1000	-7.15	-66.93	≤-27.15	PASS
			1000~26500	-7.15	-50.45	≤-27.15	PASS
		2462	Reference	-5.56	-5.56	---	PASS
			30~1000	-5.56	-67.47	≤-25.56	PASS
			1000~26500	-5.56	-48.7	≤-25.56	PASS
11G	Ant1	2412	Reference	-10.12	-10.12	---	PASS
			30~1000	-10.12	-67.3	≤-30.12	PASS
			1000~26500	-10.12	-50.94	≤-30.12	PASS
		2437	Reference	-9.48	-9.48	---	PASS
			30~1000	-9.48	-66.67	≤-29.48	PASS
			1000~26500	-9.48	-47.93	≤-29.48	PASS
		2462	Reference	-9.25	-9.25	---	PASS
			30~1000	-9.25	-67.92	≤-29.25	PASS
			1000~26500	-9.25	-51.43	≤-29.25	PASS



Test Graphs



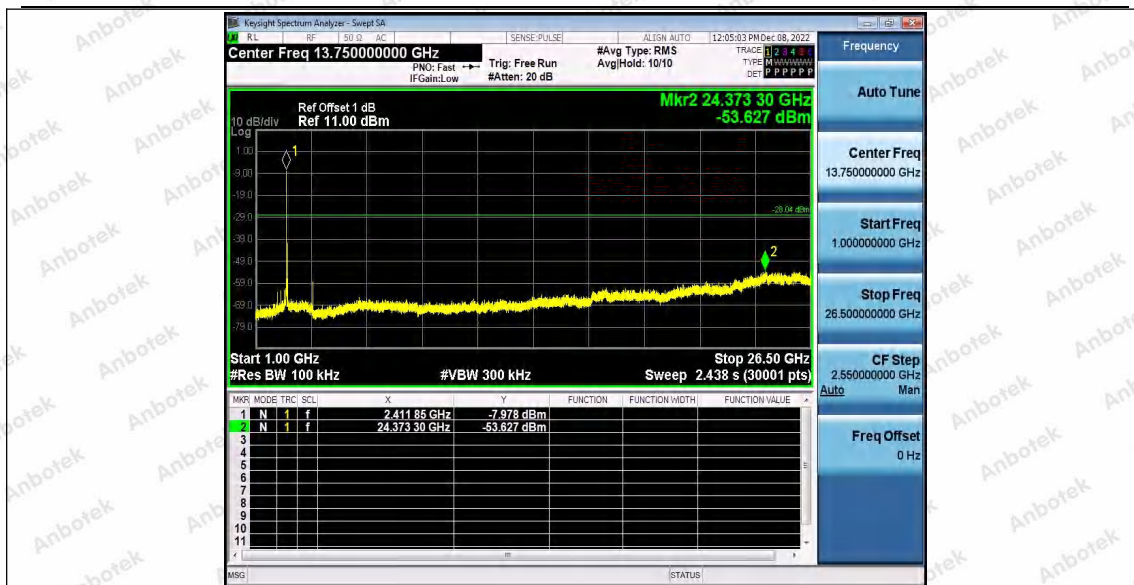
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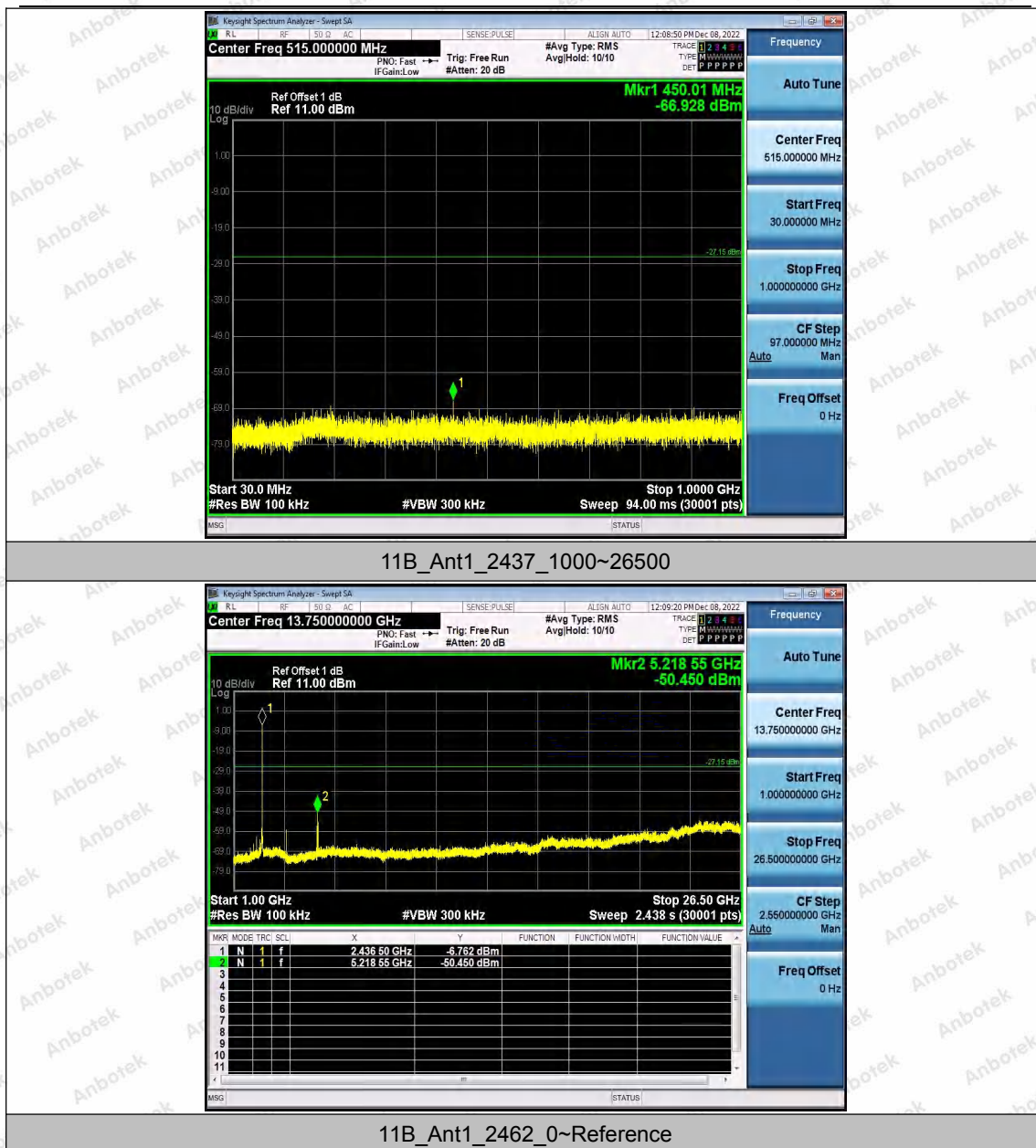


11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000





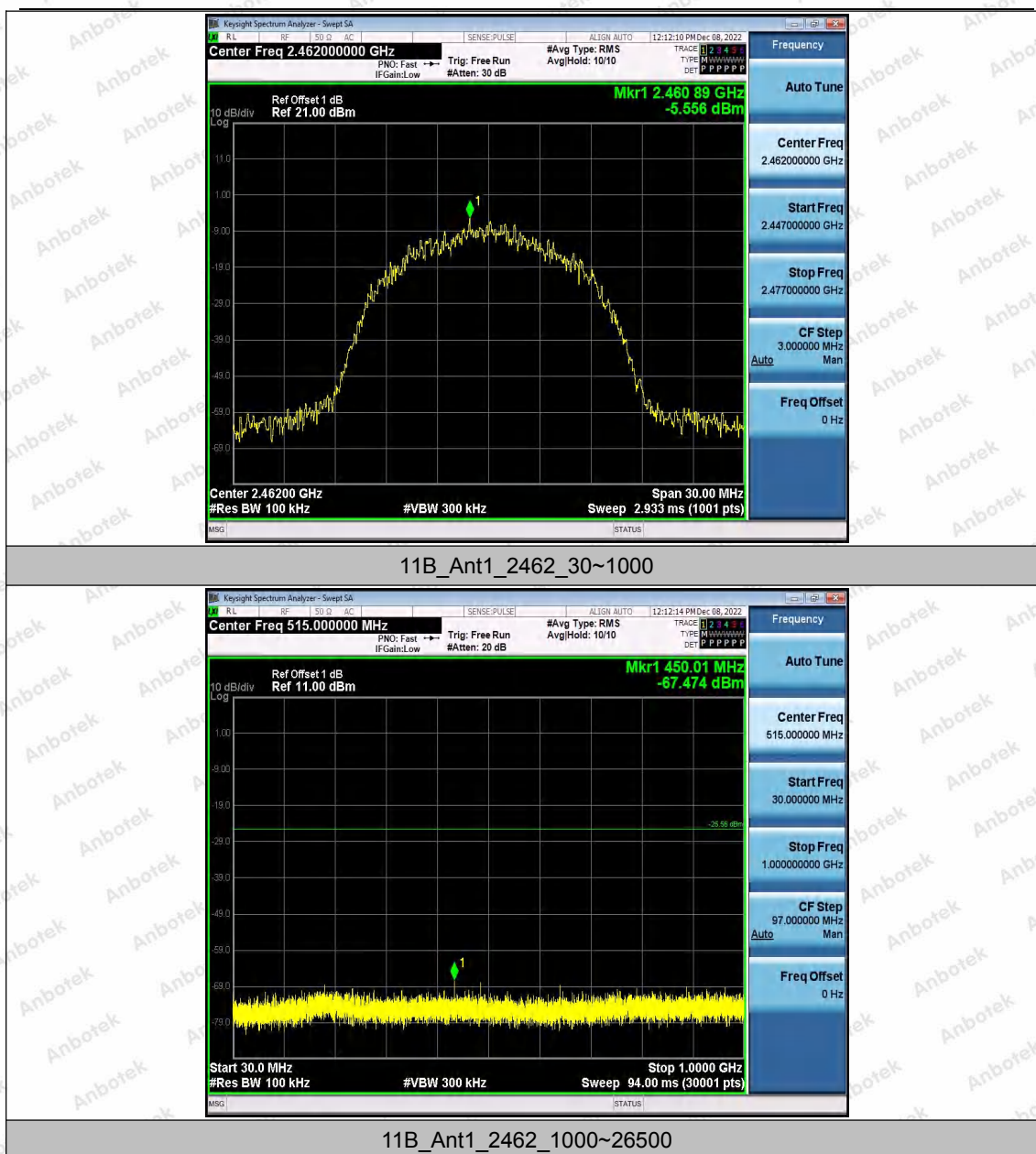
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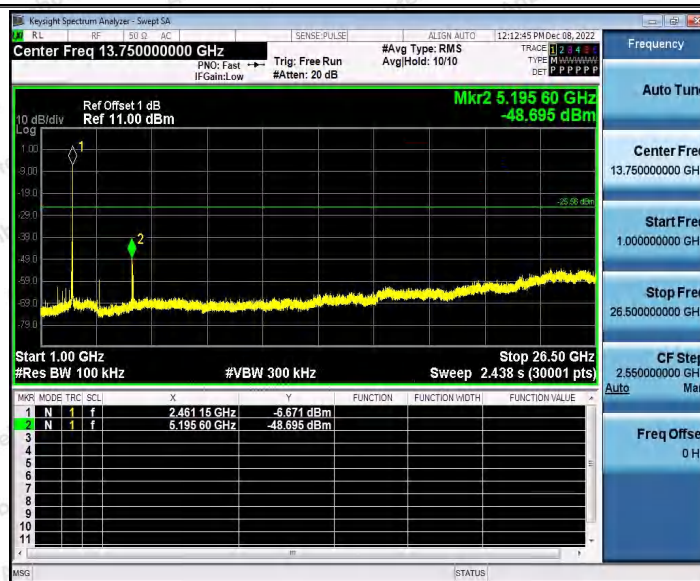
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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

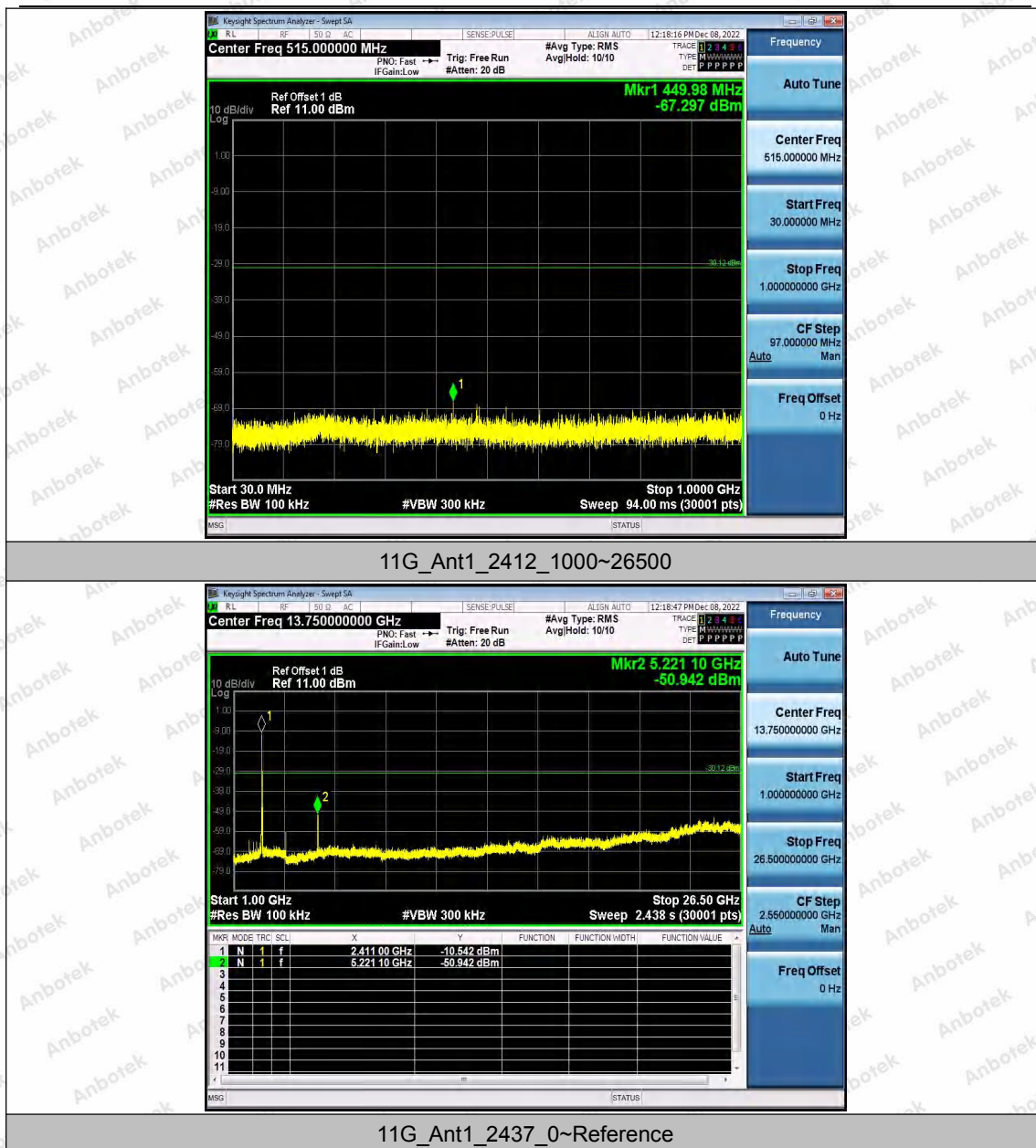
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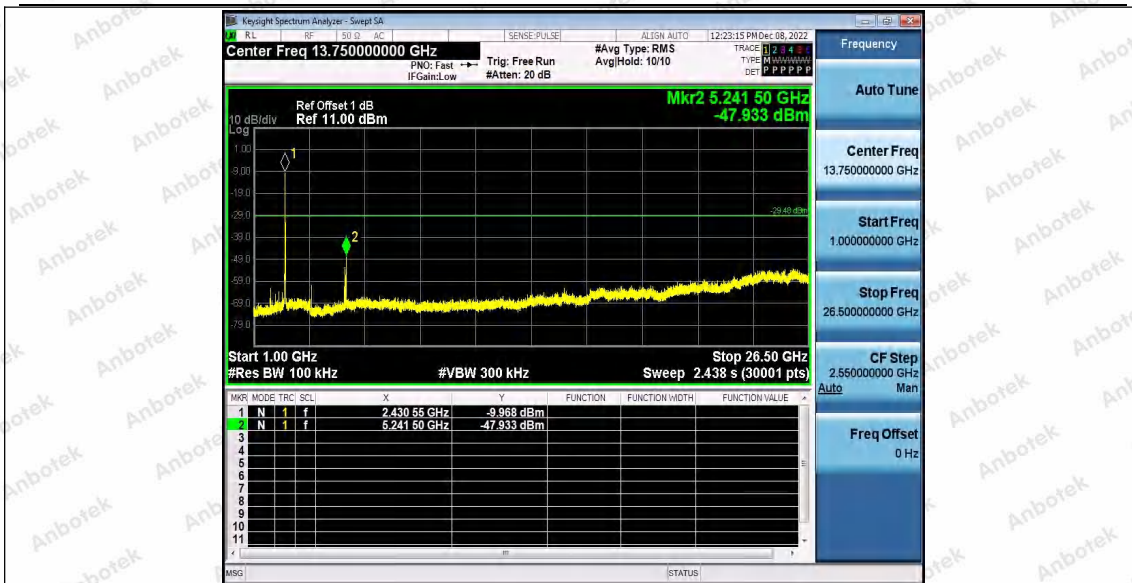
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11G_Ant1_2462_0~Reference



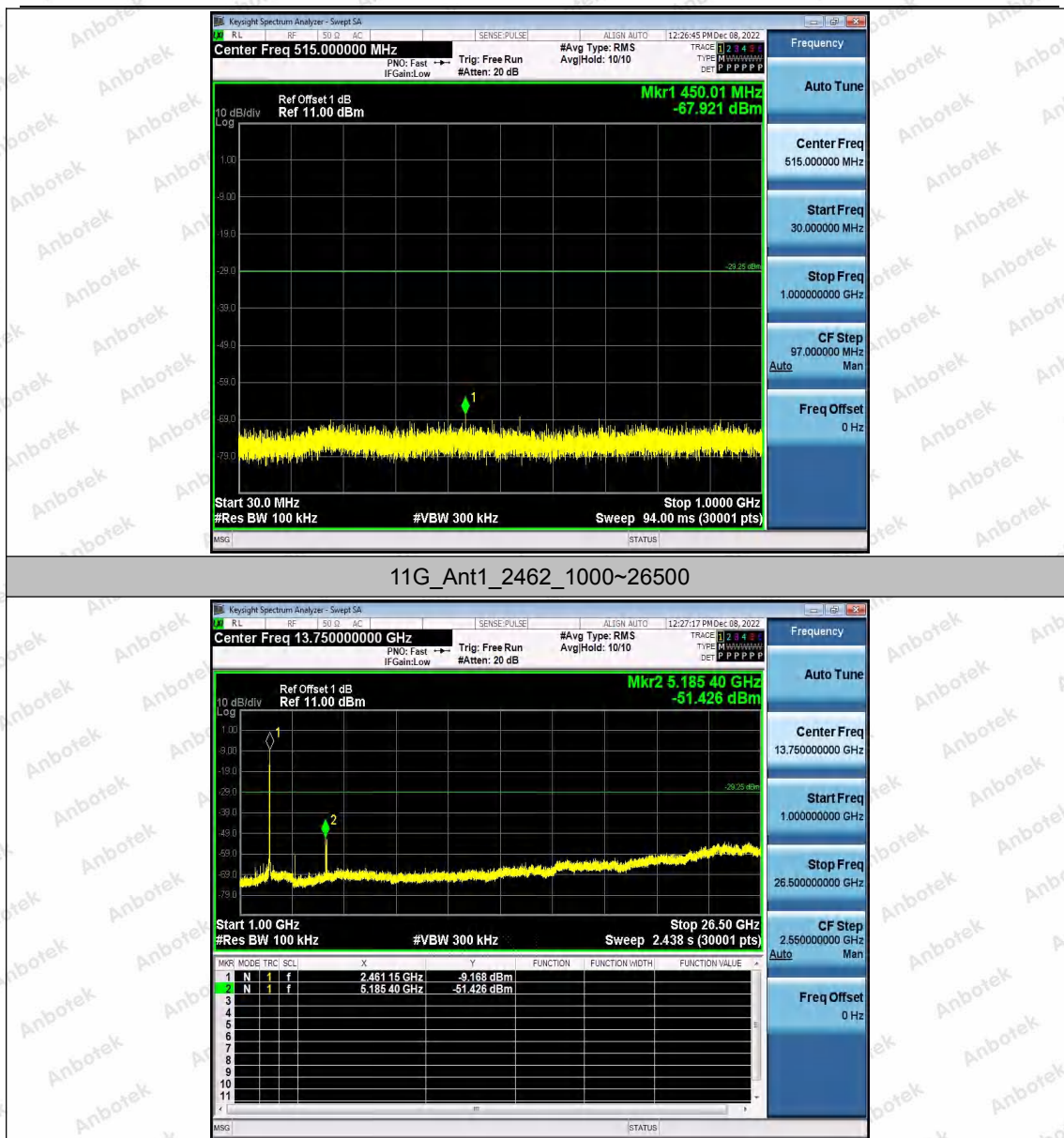
11G_Ant1_2462_30~1000

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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	0.94	1.04	90.38	0.44
		2437	0.94	1.03	91.26	0.40
		2462	0.94	1.04	90.38	0.44
11G	Ant1	2412	0.18	0.28	64.29	1.92
		2437	0.18	0.28	64.29	1.92
		2462	0.18	0.28	64.29	1.92

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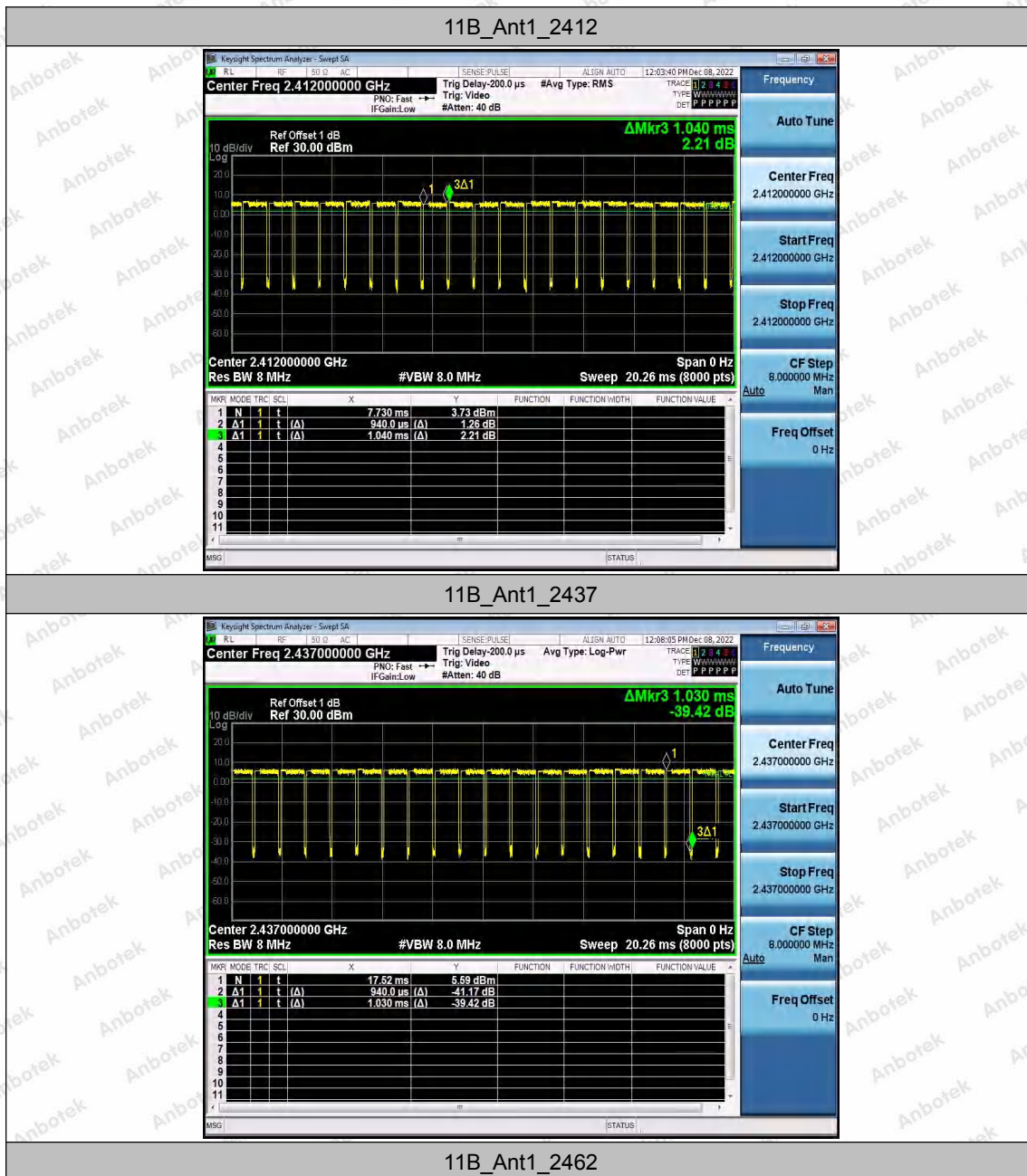
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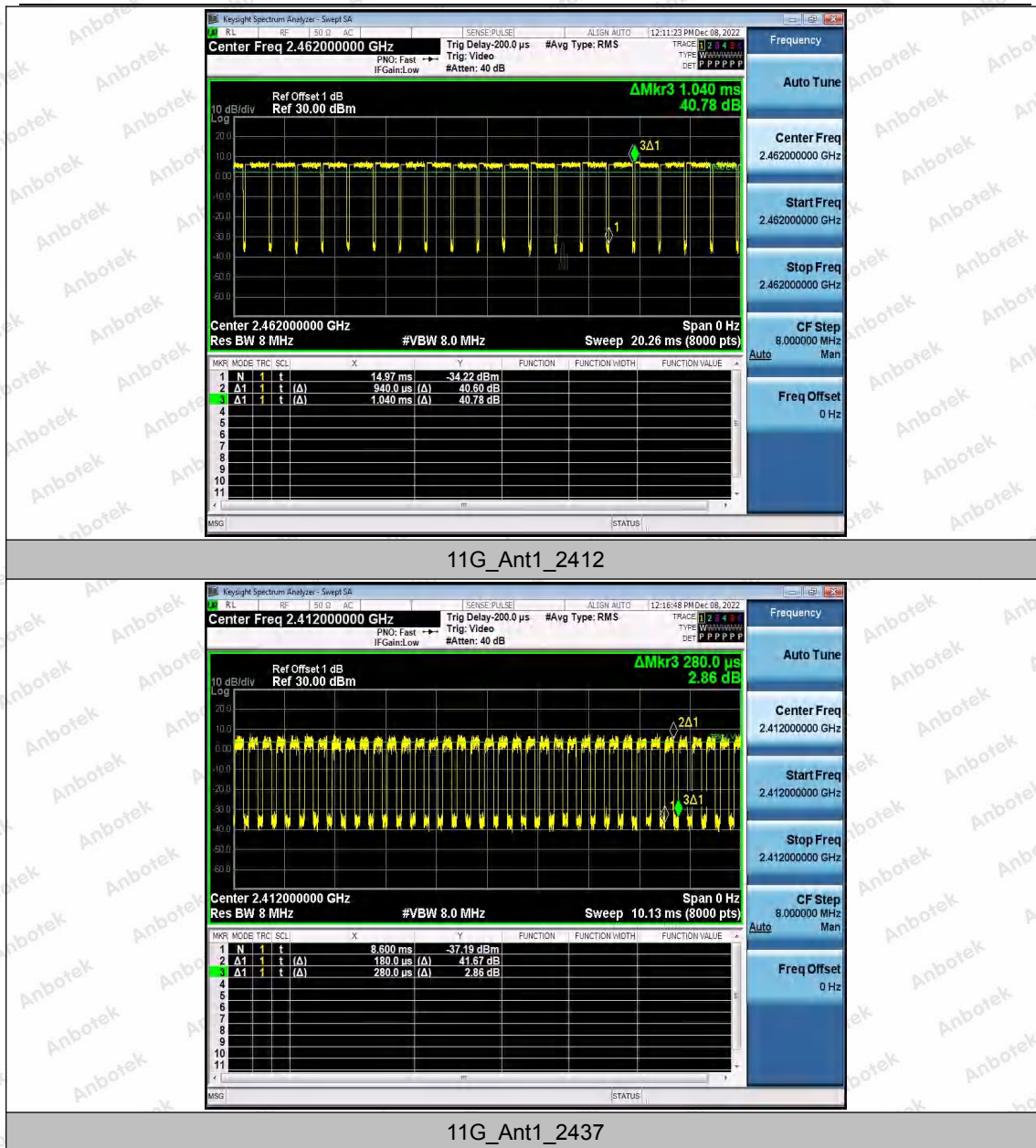
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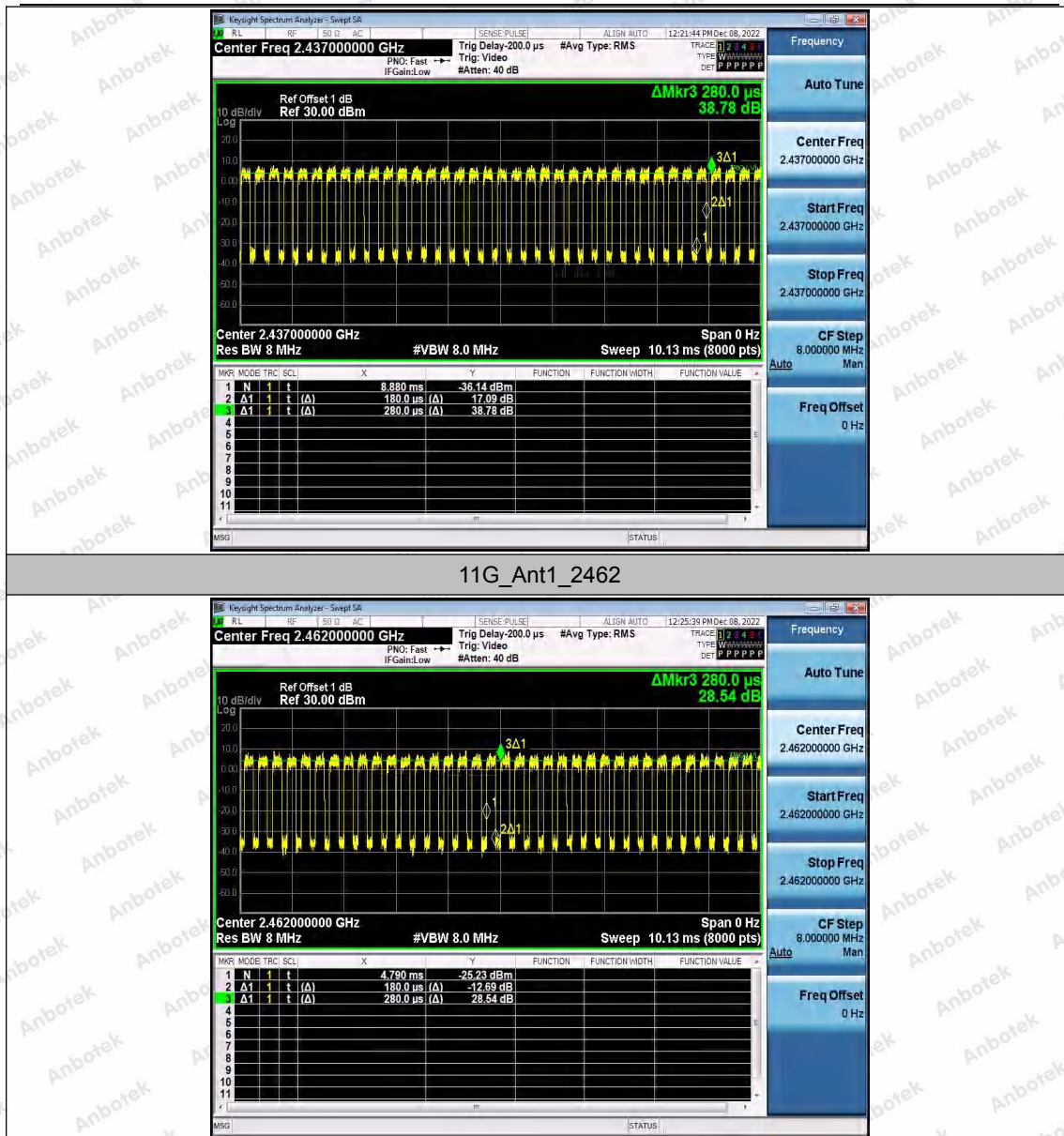
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