

Appendix Test Data

Report No.:	18220WC30051001	Test Sample No.:	1-2-2
Start Test Date:	2023.03.28	Finish Test Date:	2023.04.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.2℃	Relative Humidity:	45%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.388	2404.284	2405.672	0.5	PASS
		2430	1.408	2429.276	2430.684	0.5	PASS
		2470	1.412	2469.280	2470.692	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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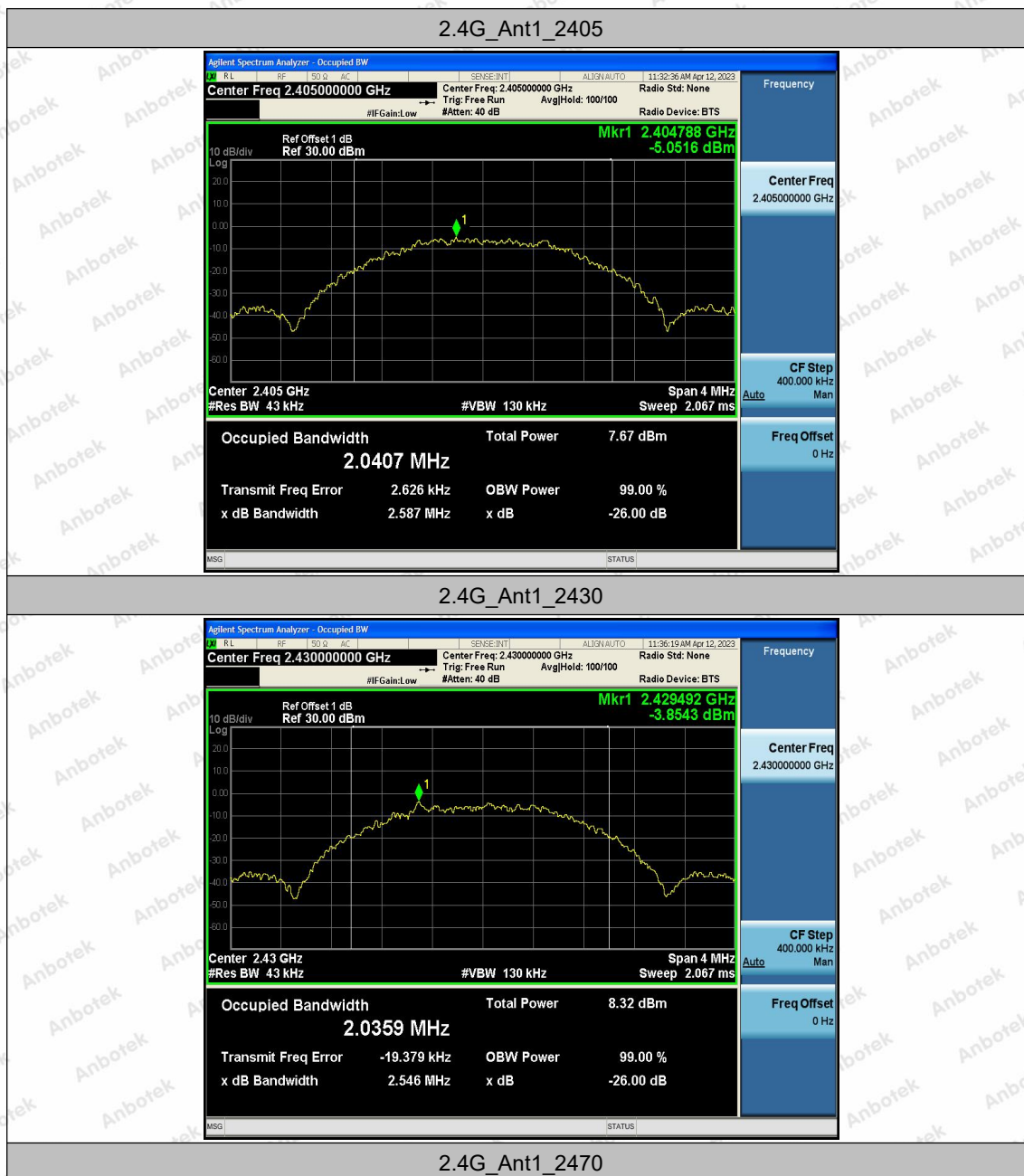
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.0407	2403.9823	2406.0230
		2430	2.0359	2428.9627	2430.9986
		2470	2.0227	2468.9819	2471.0046



Test Graphs



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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	0.14	≤30	PASS
		2430	0.66	≤30	PASS
		2470	0.77	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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Appendix D: Maximum power spectral density

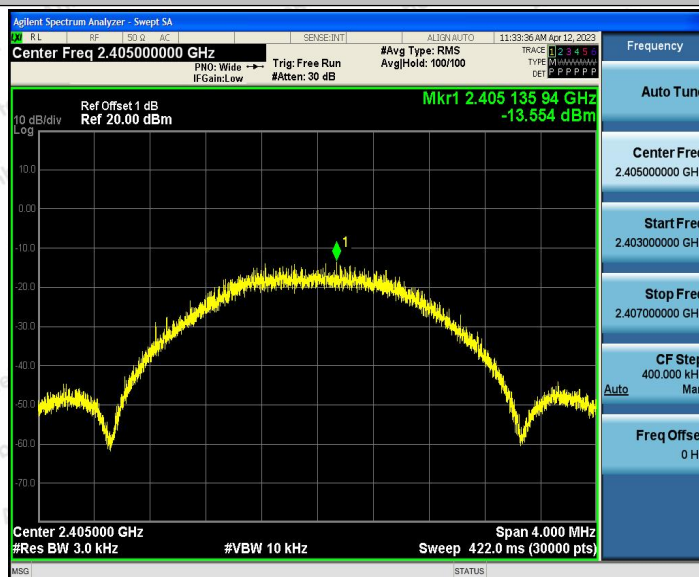
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-13.55	≤8.00	PASS
		2430	-12.11	≤8.00	PASS
		2470	-12.07	≤8.00	PASS

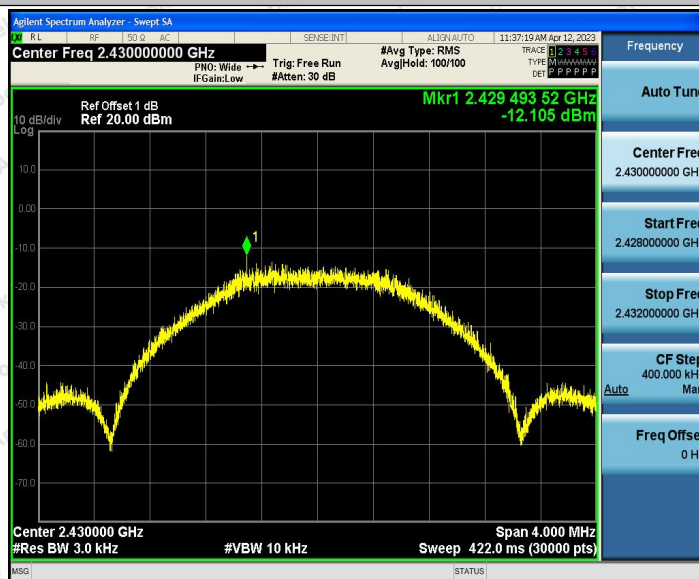


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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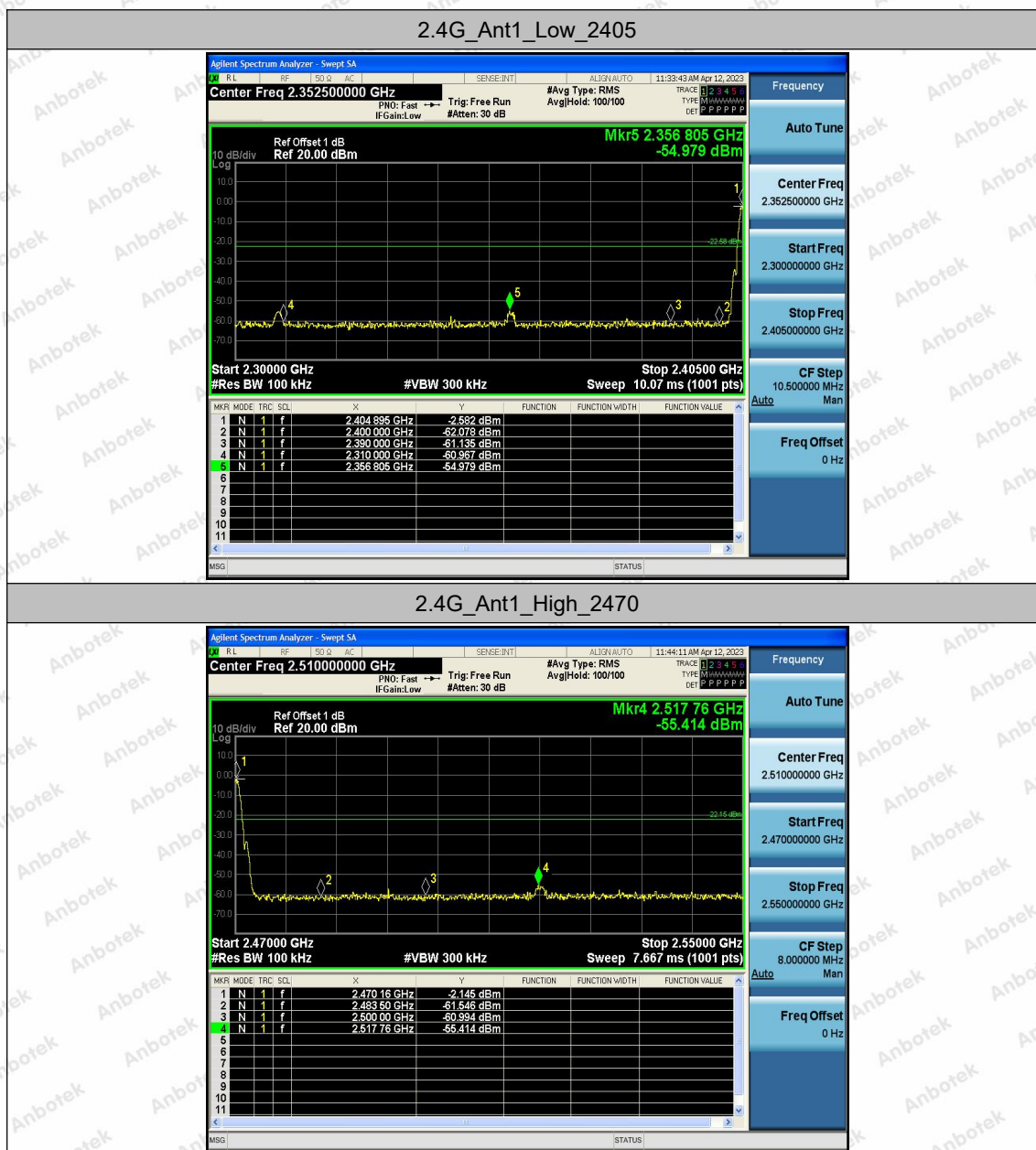


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-2.58	-54.98	≤-22.58	PASS
		High	2470	-2.15	-55.41	≤-22.15	PASS

Test Graphs



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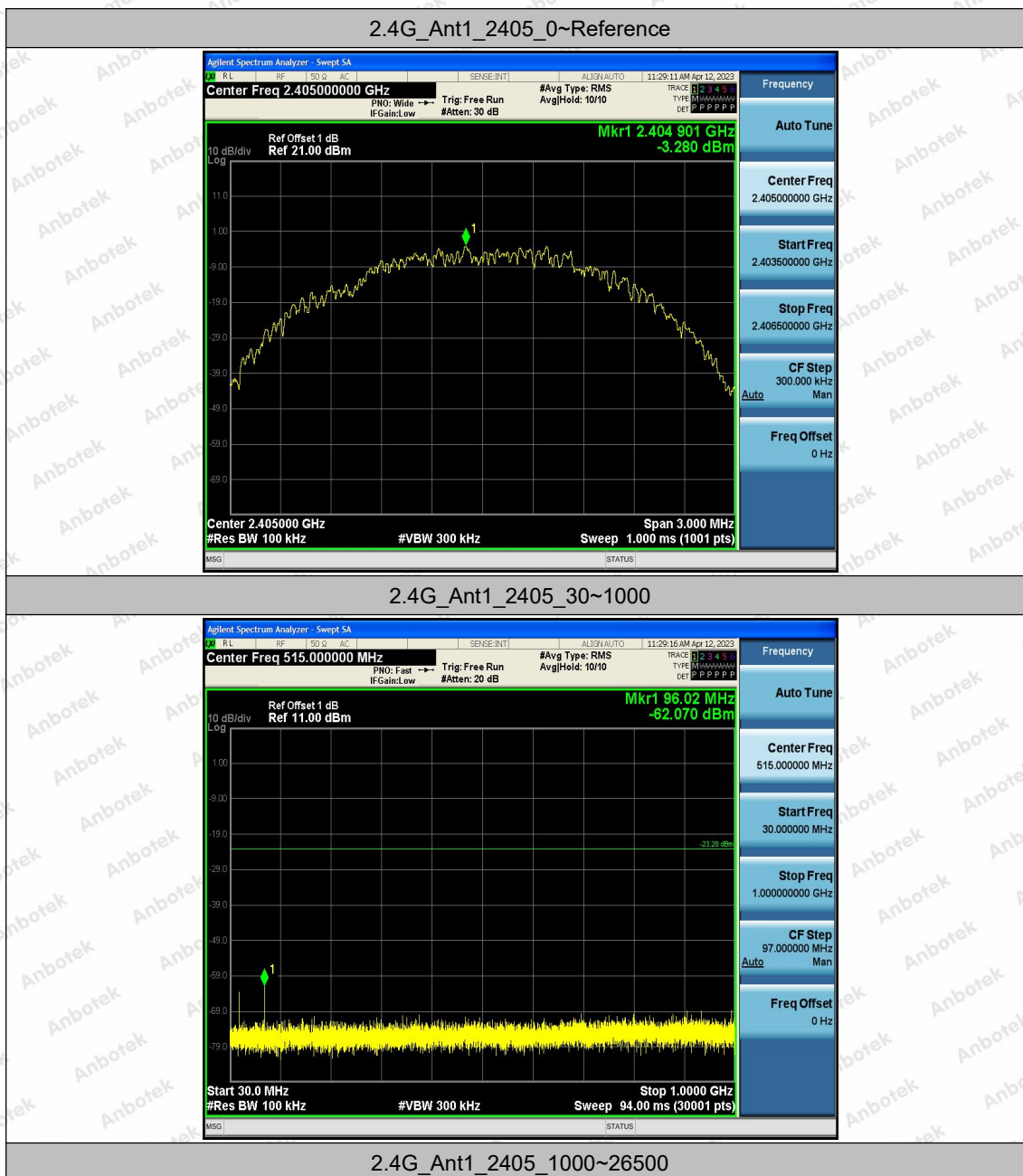
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-62.07	≤-23.28	PASS
			1000~26500	-3.28	-24.62	≤-23.28	PASS
		2430	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-62.19	≤-22.92	PASS
			1000~26500	-2.92	-25.65	≤-22.92	PASS
		2470	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-62.33	≤-21.45	PASS
			1000~26500	-1.45	-24.68	≤-21.45	PASS



Test Graphs



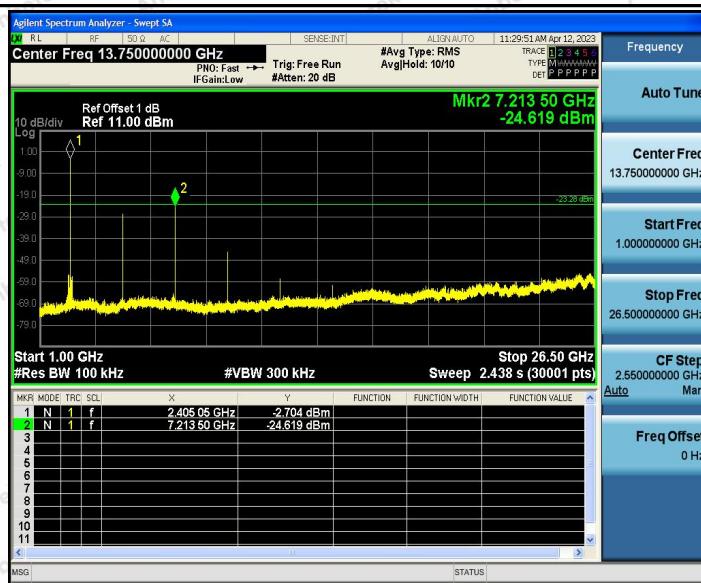
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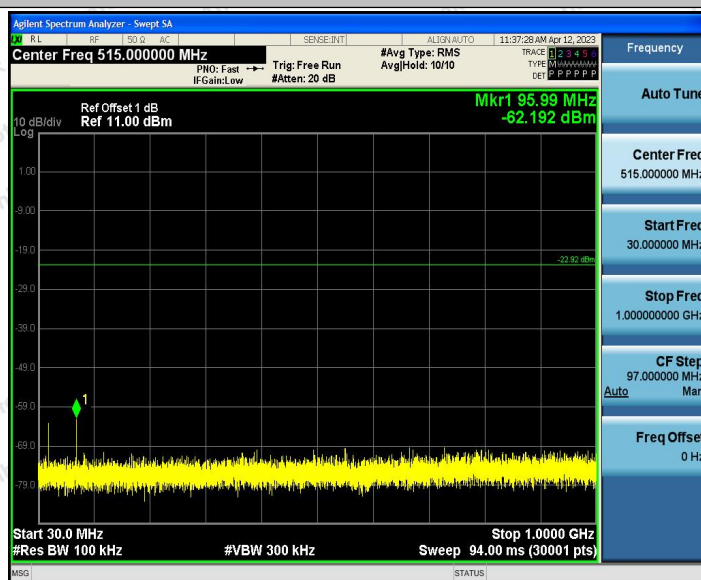




2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000



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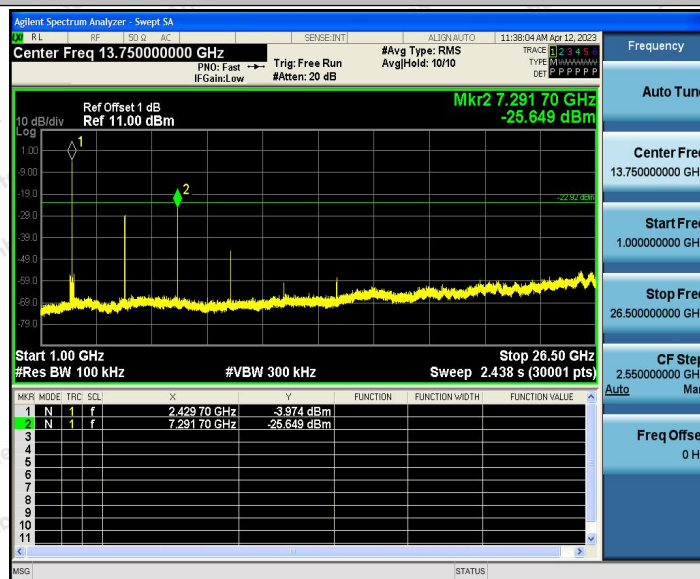
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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference



2.4G_Ant1_2470_30~1000

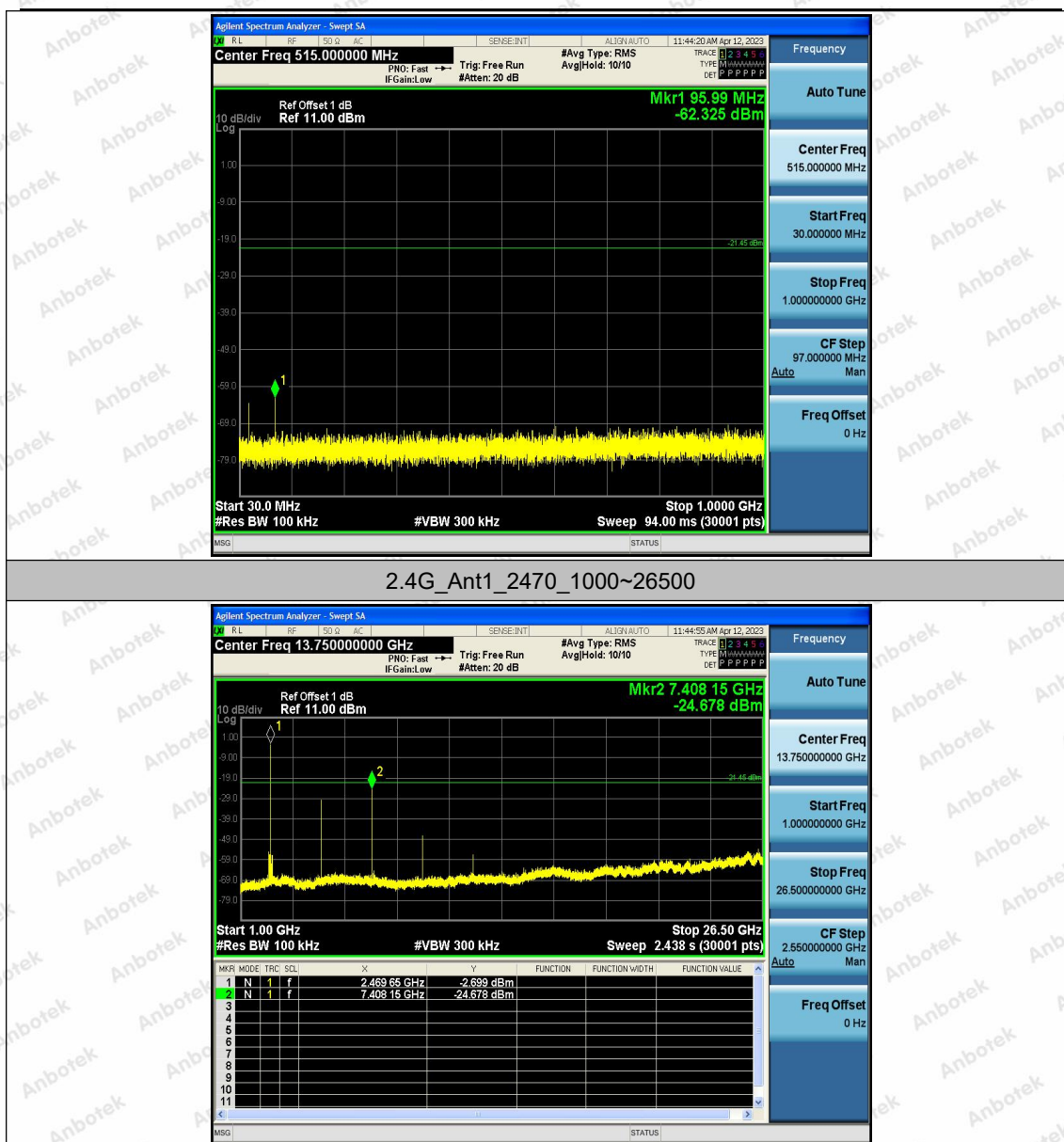
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19.00	19.00	100	0.00
		2430	19.00	19.00	100	0.00
		2470	19.00	19.00	100	0.00



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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