

Appendix Test Data

Report No.:	18220WC30271601	Test Sample No.:	1-2-2
Start Test Date:	2023.12.24	Finish Test Date:	2023.12.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.504	2404.304	2405.808	0.5	PASS
		2430	1.492	2429.352	2430.844	0.5	PASS
		2470	1.664	2469.244	2470.908	0.5	PASS

Test Graphs



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	2.2619	2403.9430	2406.2049
		2430	2.2992	2428.9213	2431.2205
		2470	2.3100	2468.9174	2471.2274

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	-1.74	≤30	PASS
		2430	-1.78	≤30	PASS
		2470	-2.10	≤30	PASS

Test Graphs Peak



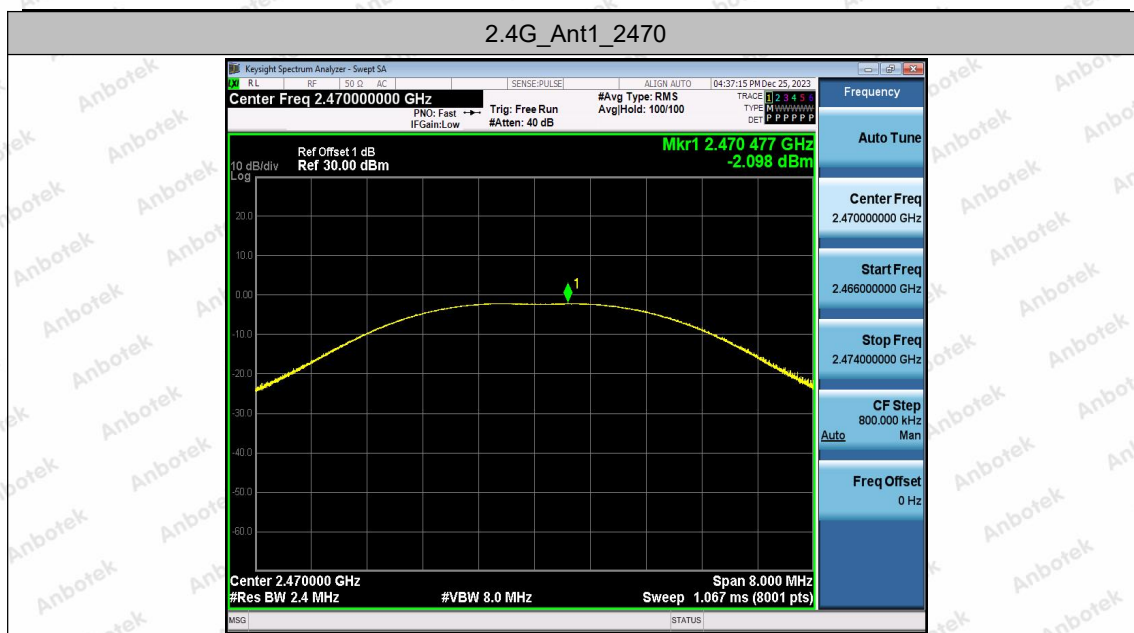
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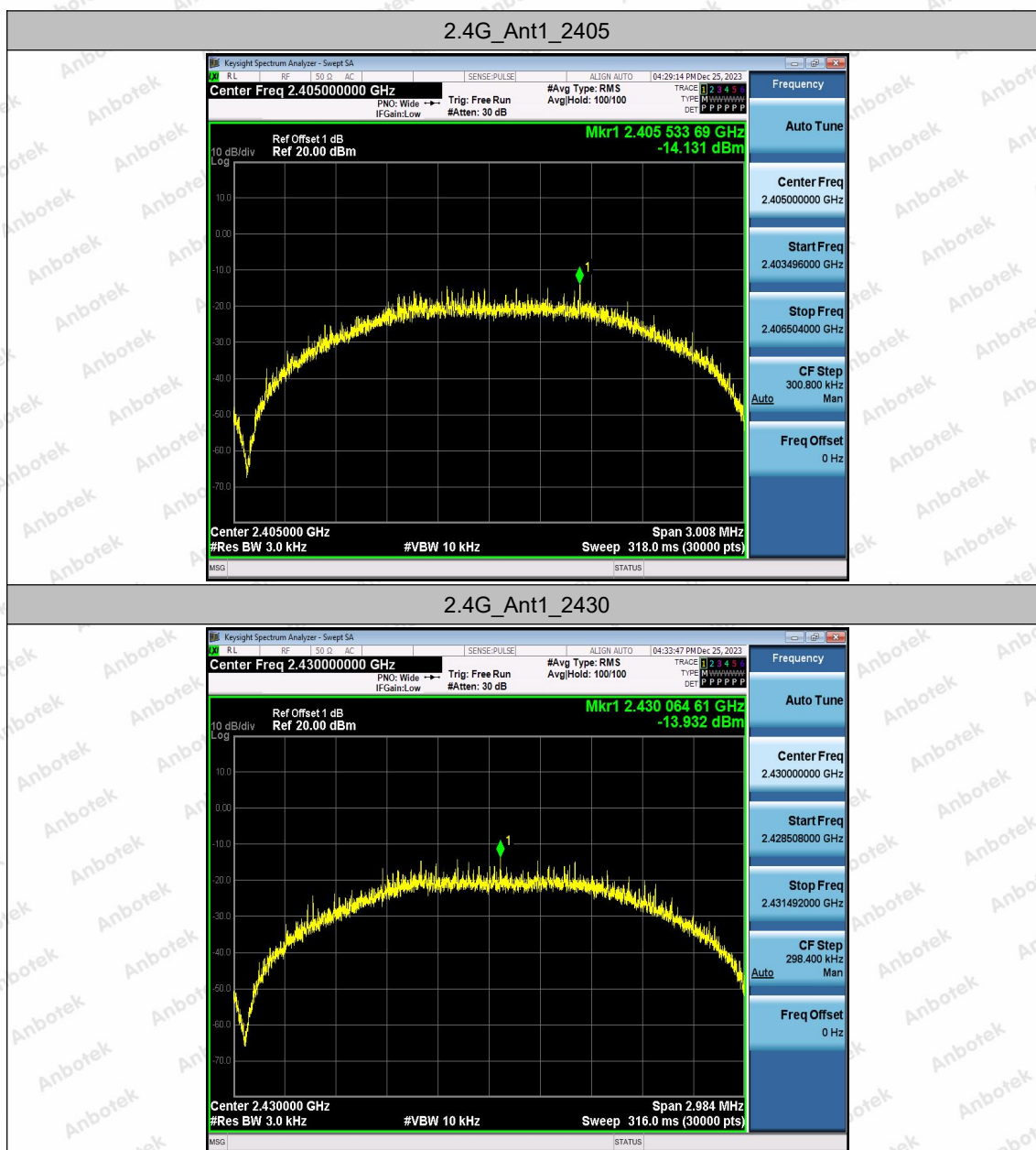


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-14.13	≤8.00	PASS
		2430	-13.93	≤8.00	PASS
		2470	-12.73	≤8.00	PASS

Test Graphs



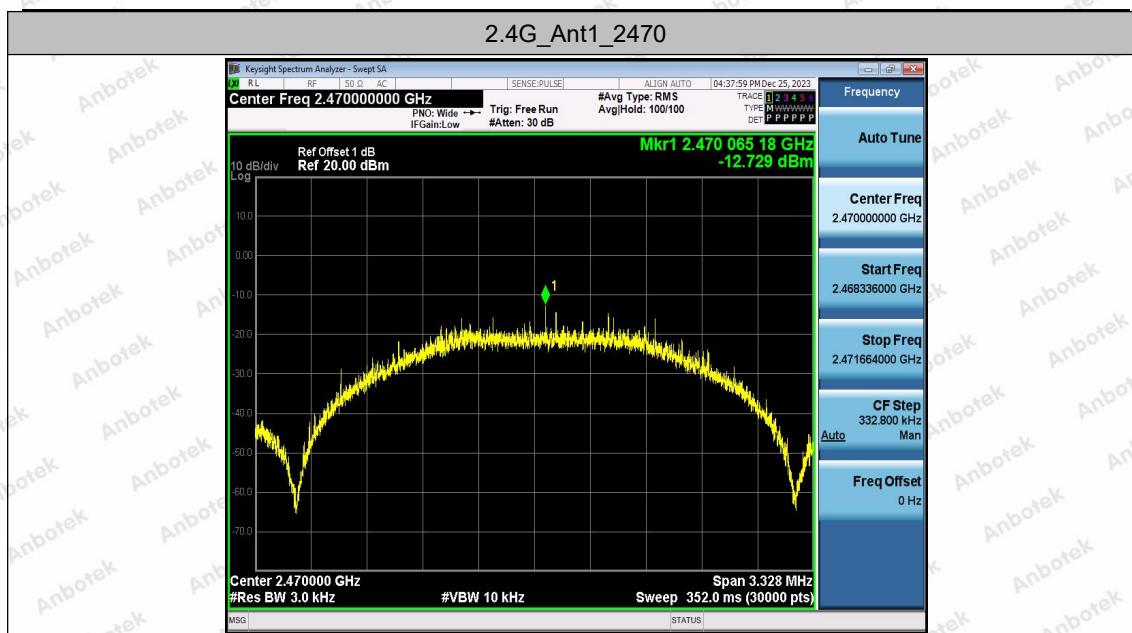
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-3.85	-45.79	≤-23.85	PASS
		High	2470	-5.27	-42.64	≤-25.27	PASS

Test Graphs



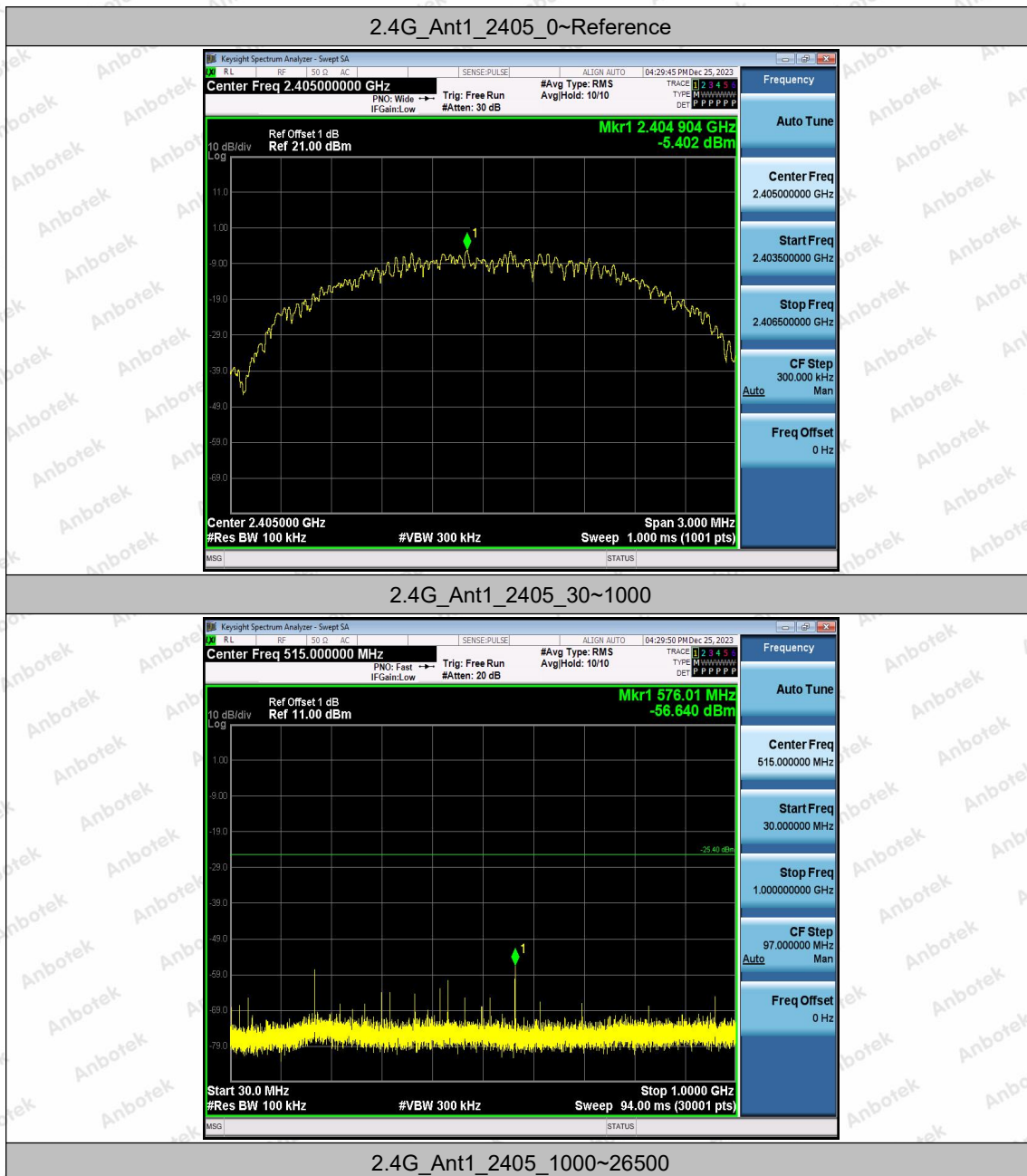
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-56.64	≤-25.4	PASS
			1000~26500	-5.40	-33.47	≤-25.4	PASS
		2430	Reference	-5.46	-5.46	---	PASS
			30~1000	-5.46	-56.74	≤-25.46	PASS
			1000~26500	-5.46	-32.02	≤-25.46	PASS
		2470	Reference	-5.74	-5.74	---	PASS
			30~1000	-5.74	-56.53	≤-25.74	PASS
			1000~26500	-5.74	-31.79	≤-25.74	PASS



Test Graphs



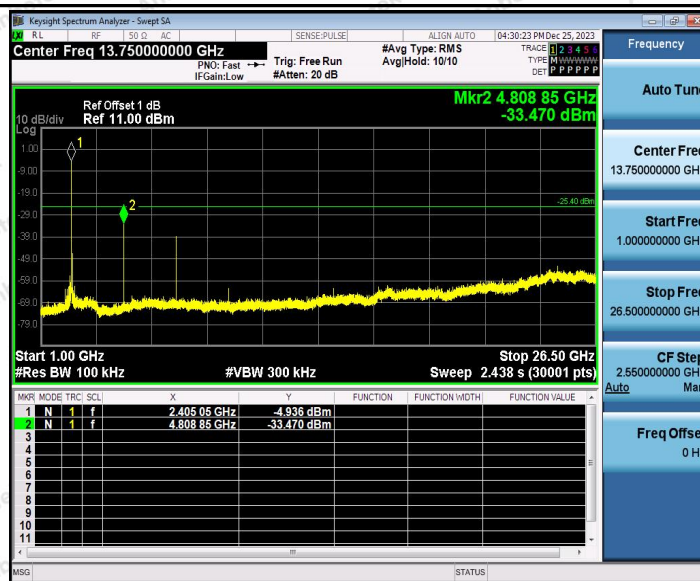
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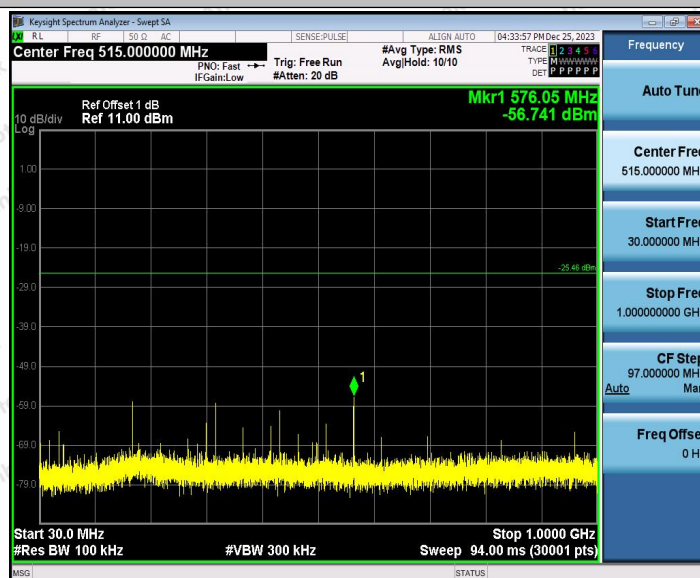




2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000



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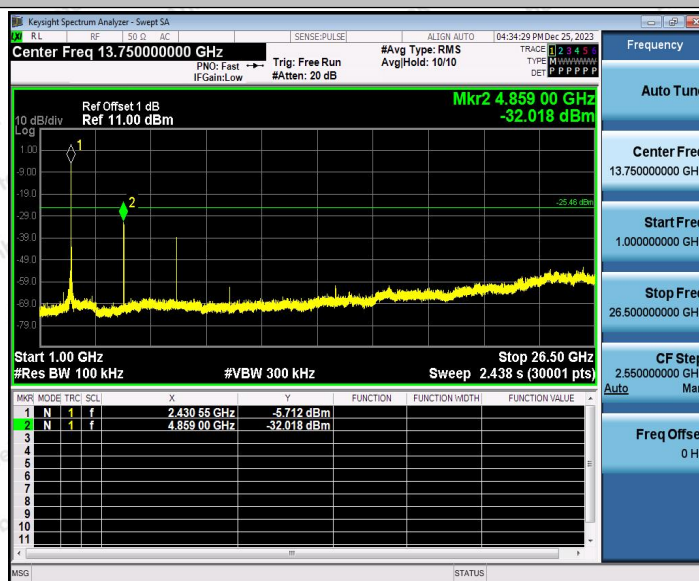
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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference



2.4G_Ant1_2470_30~1000

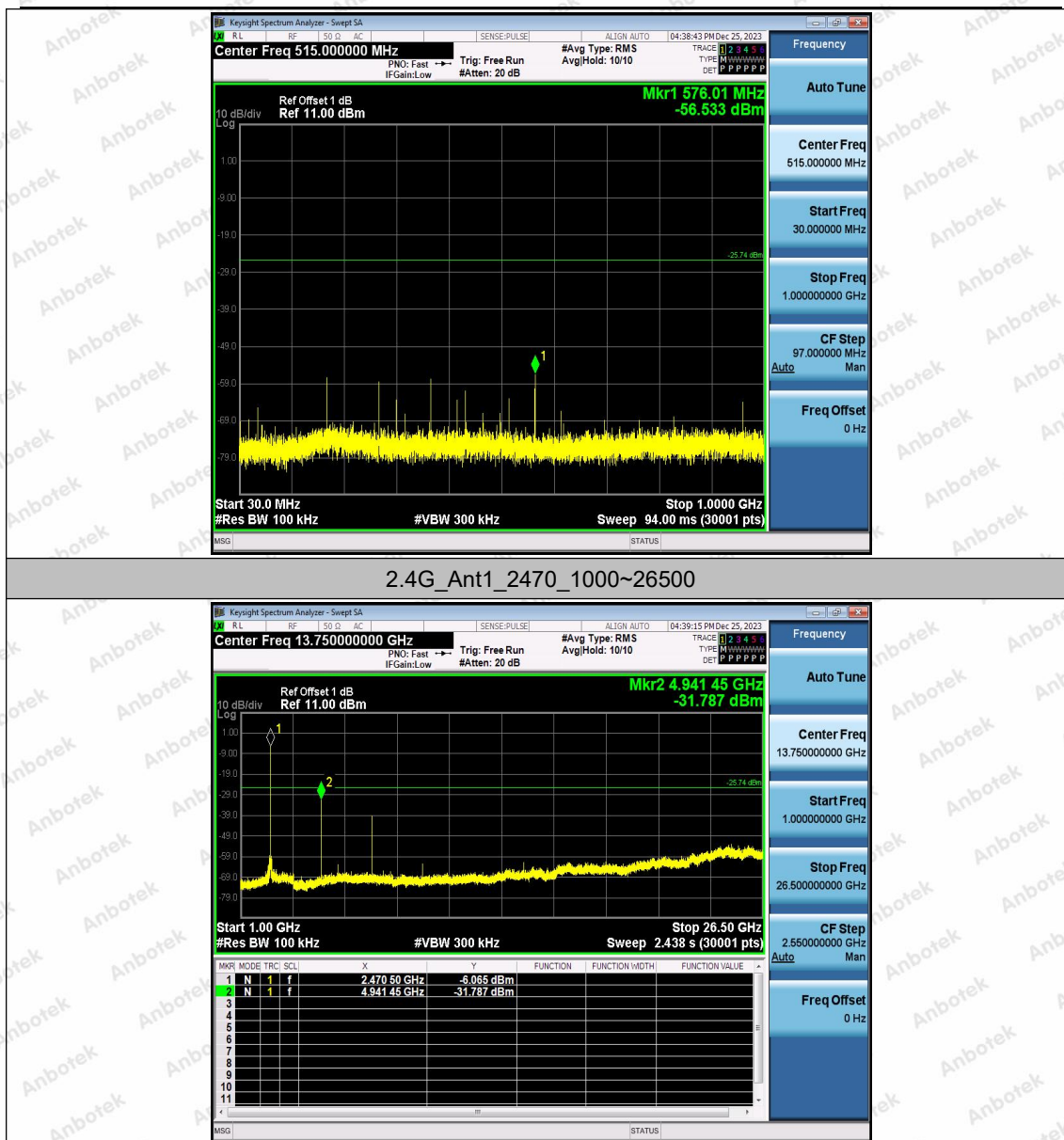
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Appendix G: Duty Cycle

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



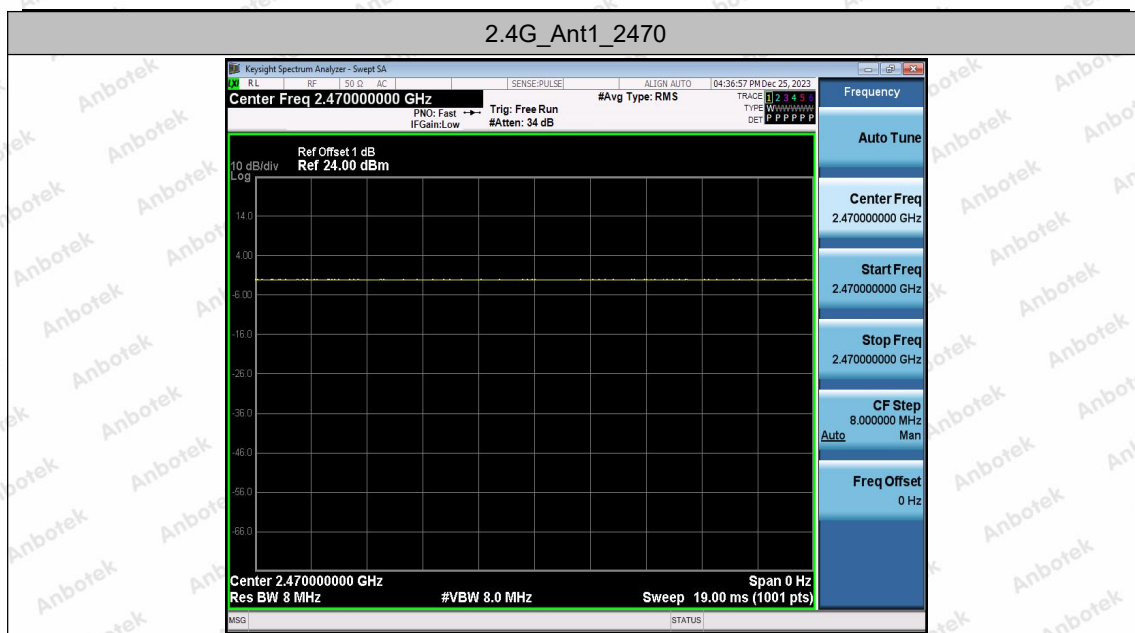
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