

Appendix Test Data

Report No.:	18220WC30258802	Test Sample No.:	1-2-2
Start Test Date:	2023.12.14	Finish Test Date:	2024.05.22
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.5°C	Relative Humidity:	48%
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	1.356	2404.348	2405.704	0.5	PASS
		2430	1.312	2429.328	2430.640	0.5	PASS
		2470	1.240	2469.348	2470.588	0.5	PASS

Test Graphs



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2.4G_Ant1_2430



2.4G_Ant1_2470



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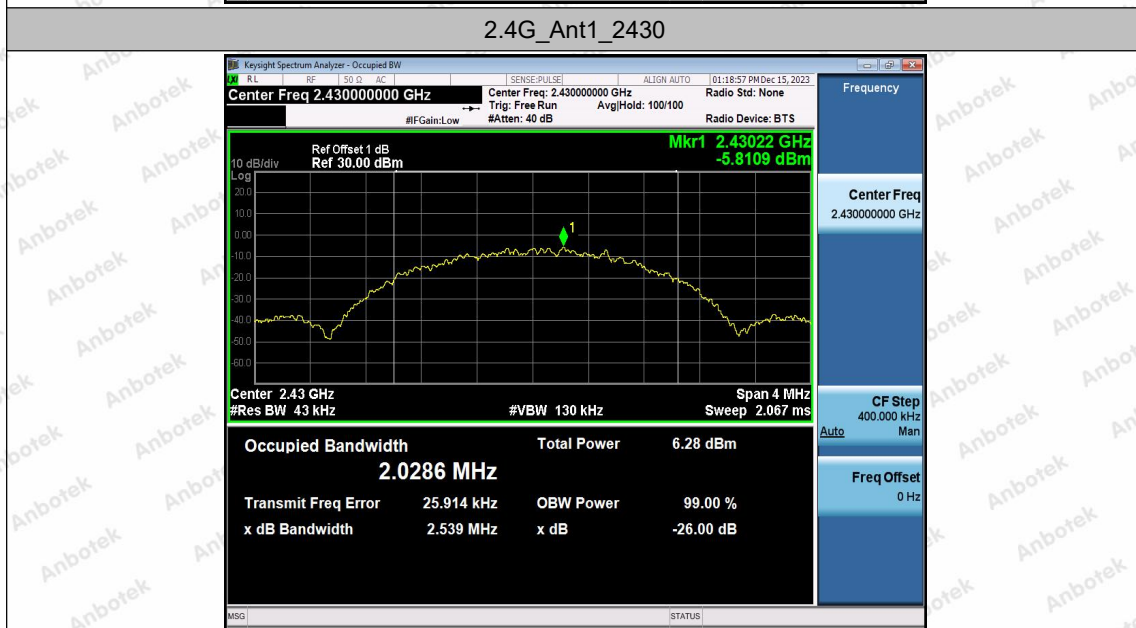
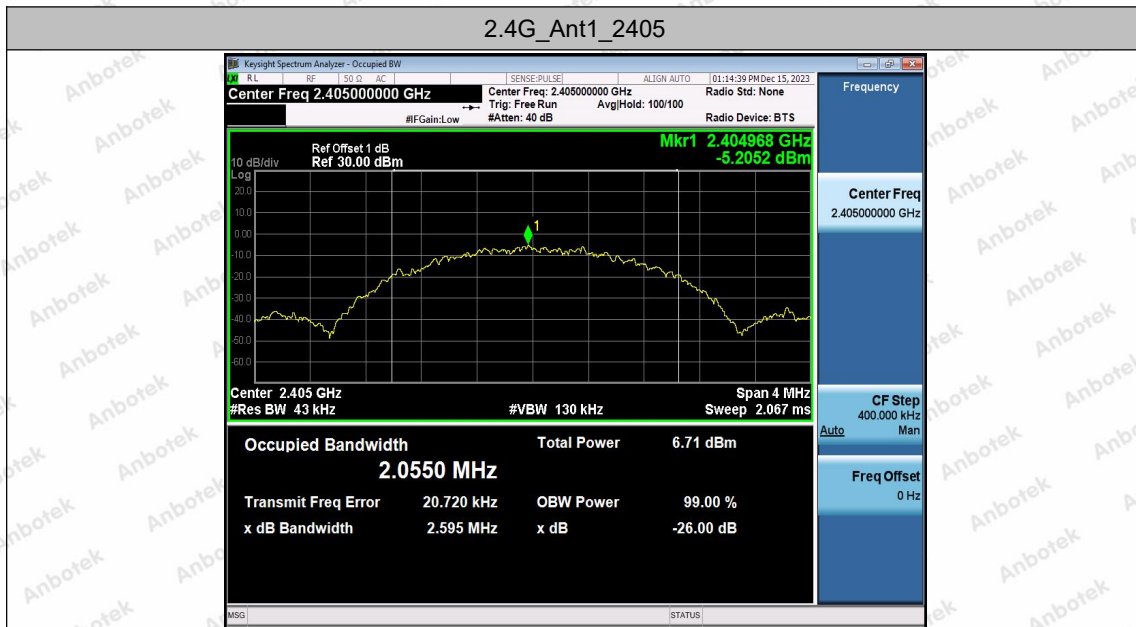


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.0550	2403.9932	2406.0482
		2430	2.0286	2429.0116	2431.0402
		2470	2.0579	2469.0052	2471.0631

Test Graphs

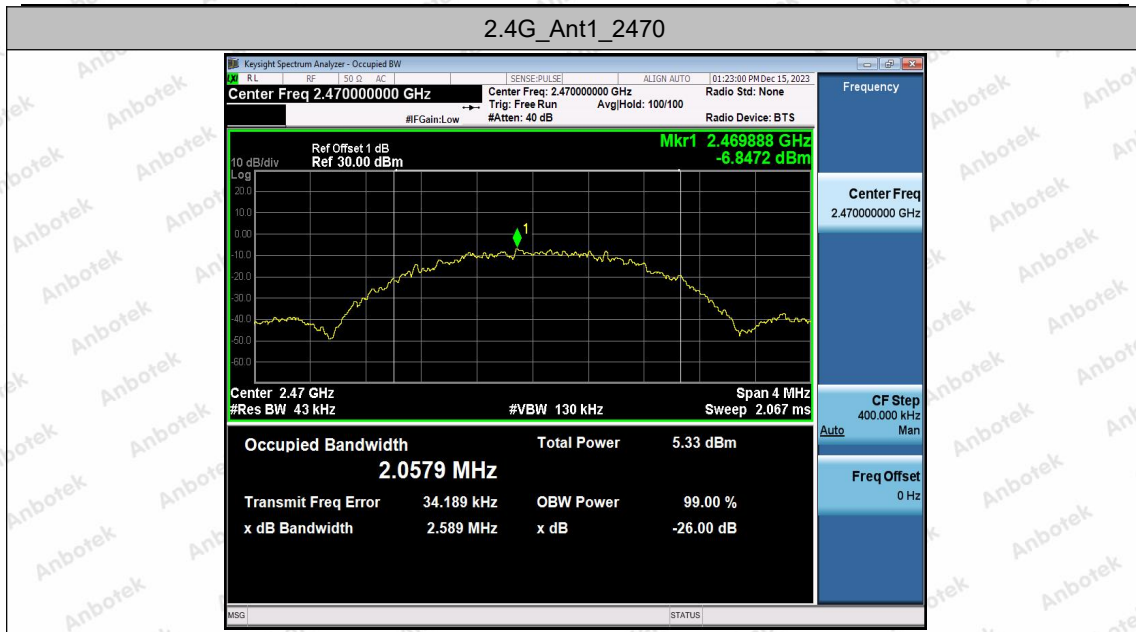


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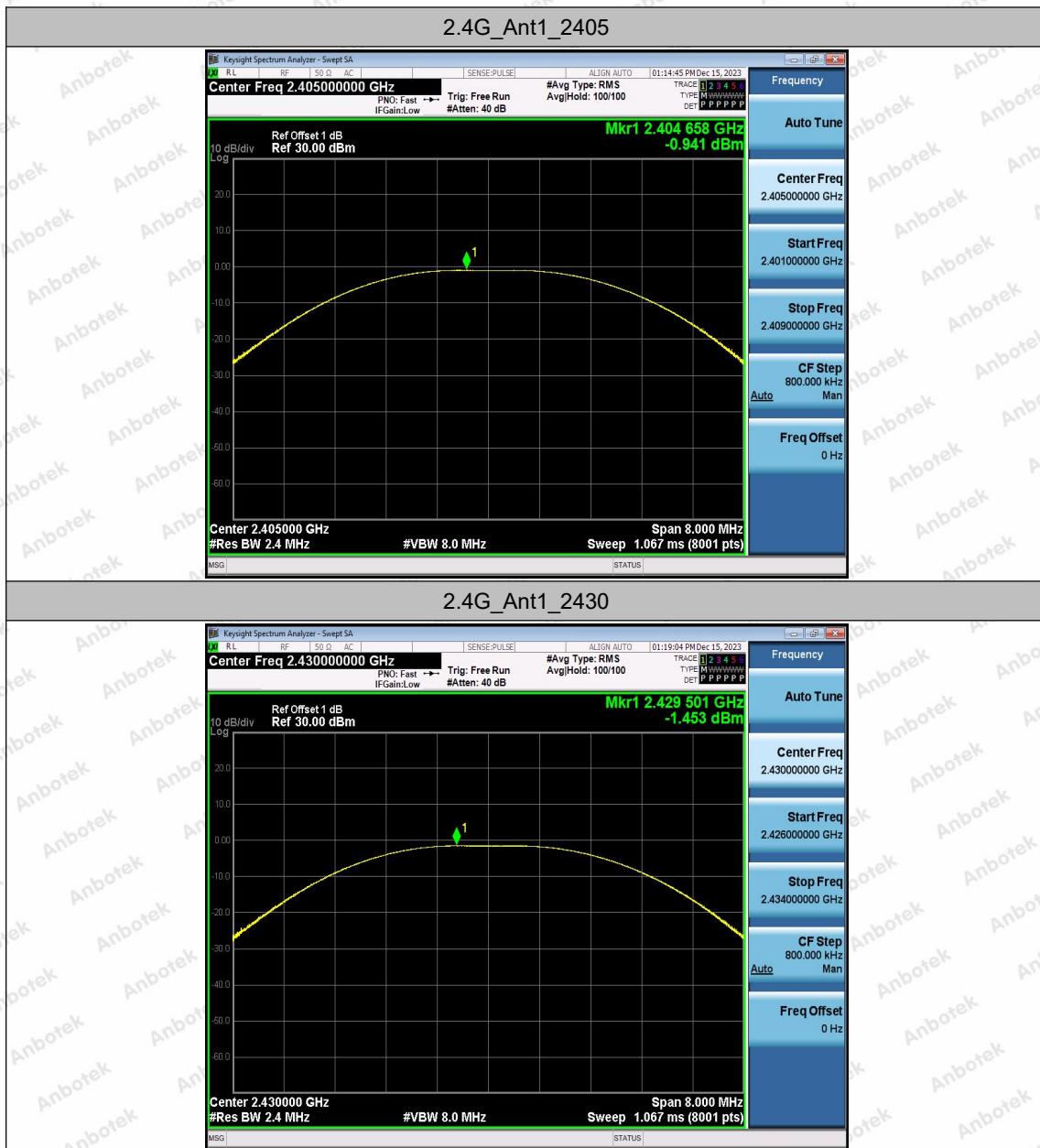


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-0.94	≤30	PASS
		2430	-1.45	≤30	PASS
		2470	-2.00	≤30	PASS

Test Graphs Peak

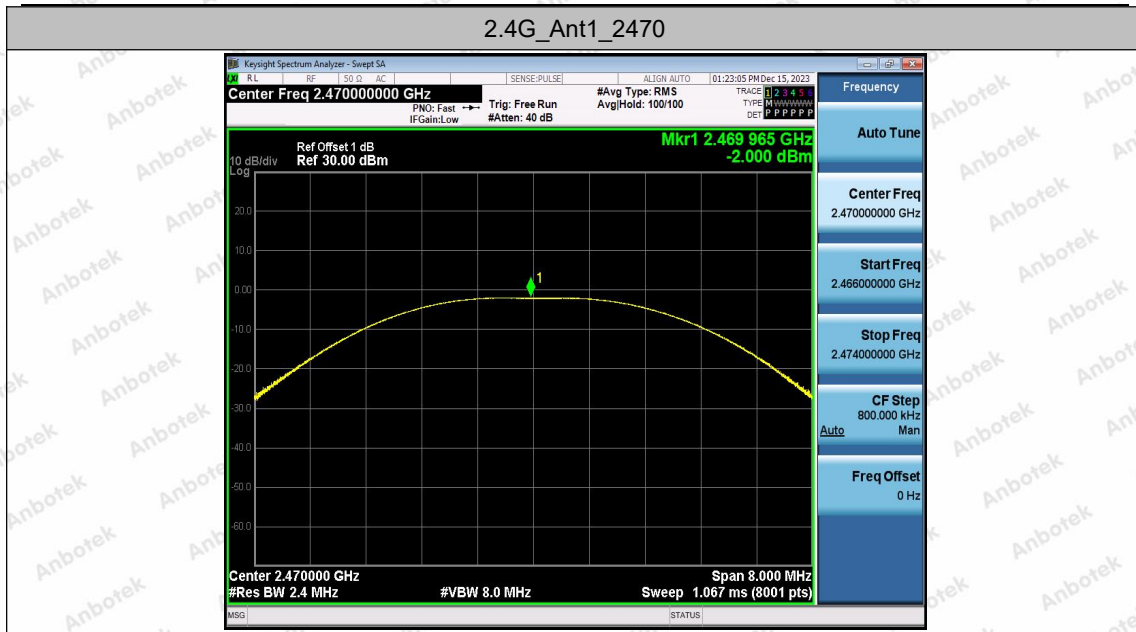


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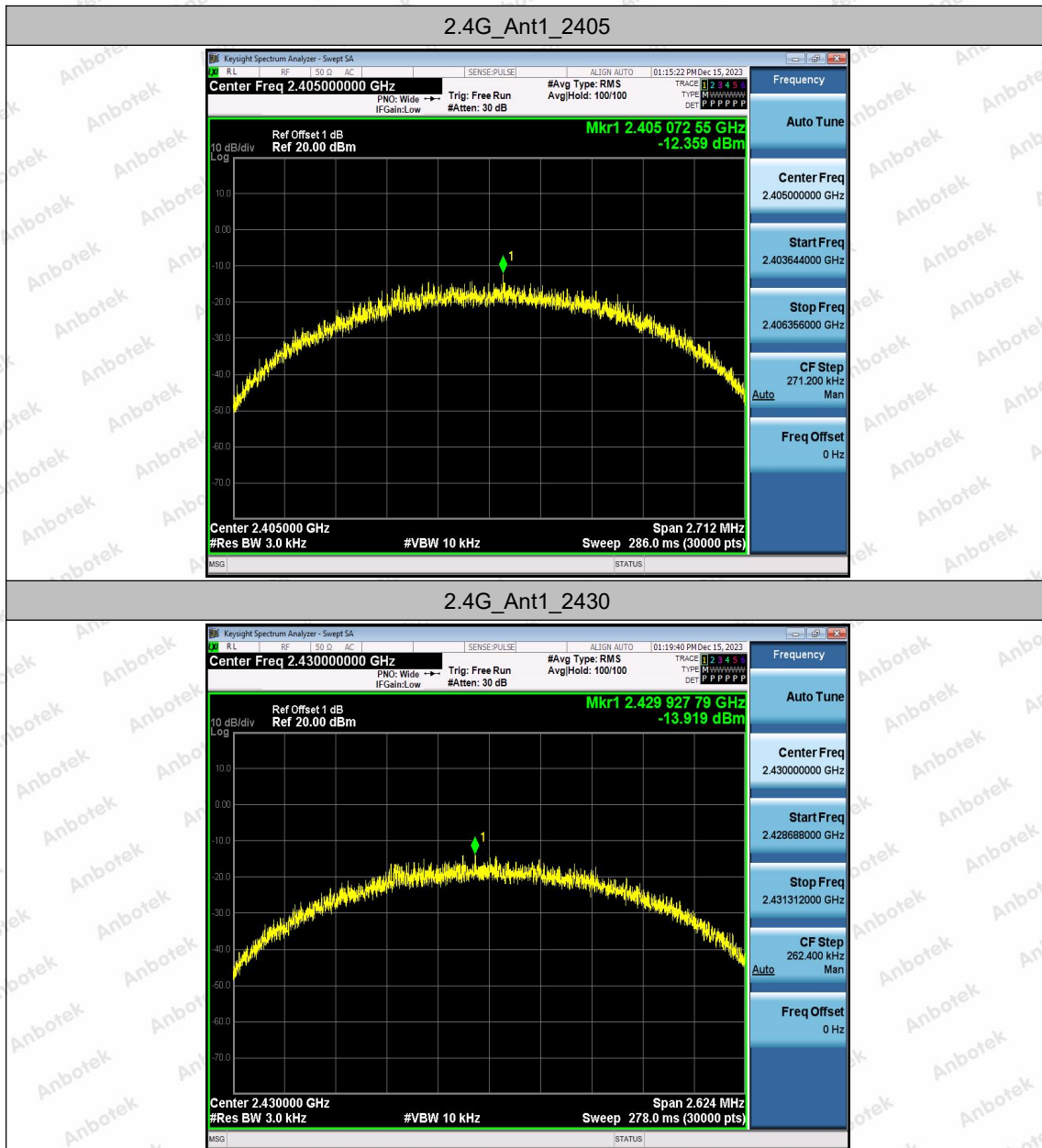


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-12.36	≤8.00	PASS
		2430	-13.92	≤8.00	PASS
		2470	-14.9	≤8.00	PASS

Test Graphs

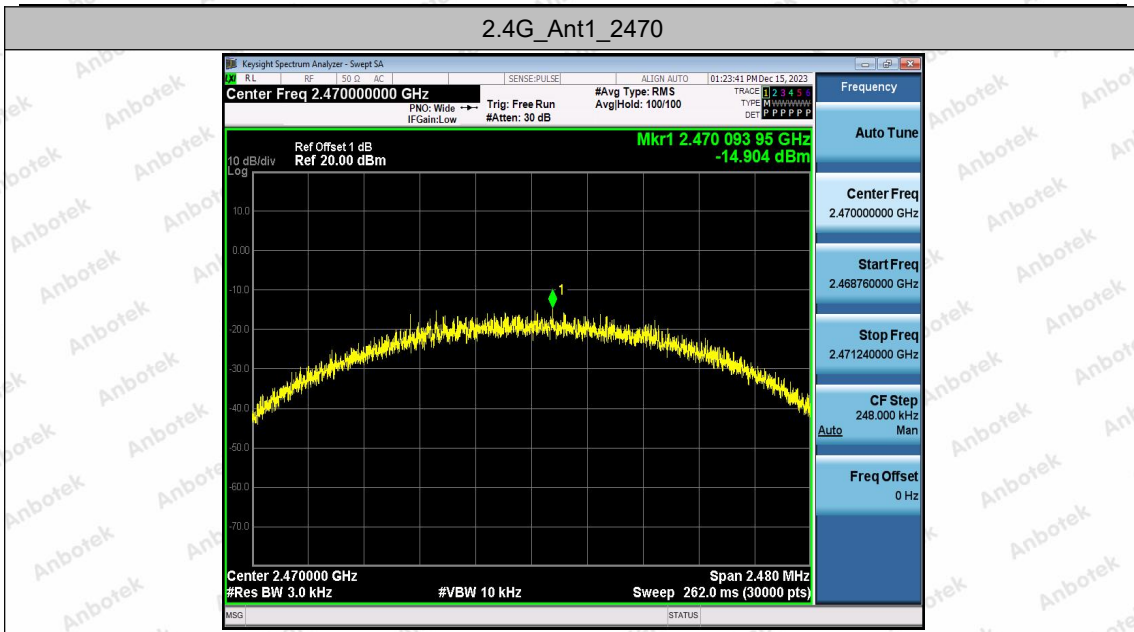


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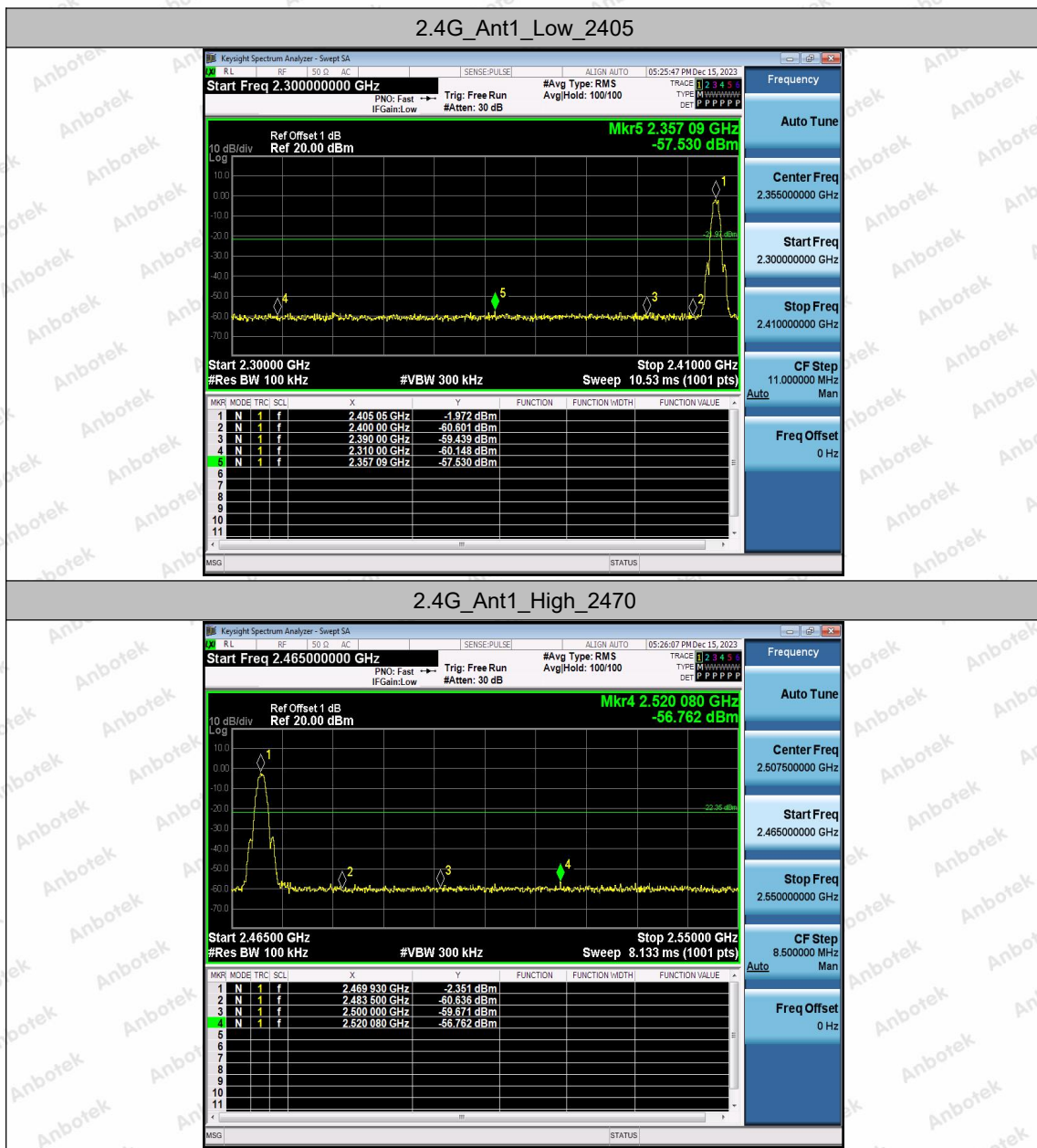


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	-1.97	-57.53	≤-21.97	PASS
		High	2470	-2.35	-56.76	≤-22.35	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	-4.06	-4.06	---	PASS
			30~1000	-4.06	-63.14	≤-24.06	PASS
			1000~26500	-4.06	-32.61	≤-24.06	PASS
		2430	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-64.11	≤-24.26	PASS
			1000~26500	-4.26	-30.51	≤-24.26	PASS
		2470	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-63.76	≤-25.49	PASS
			1000~26500	-5.49	-30.08	≤-25.49	PASS

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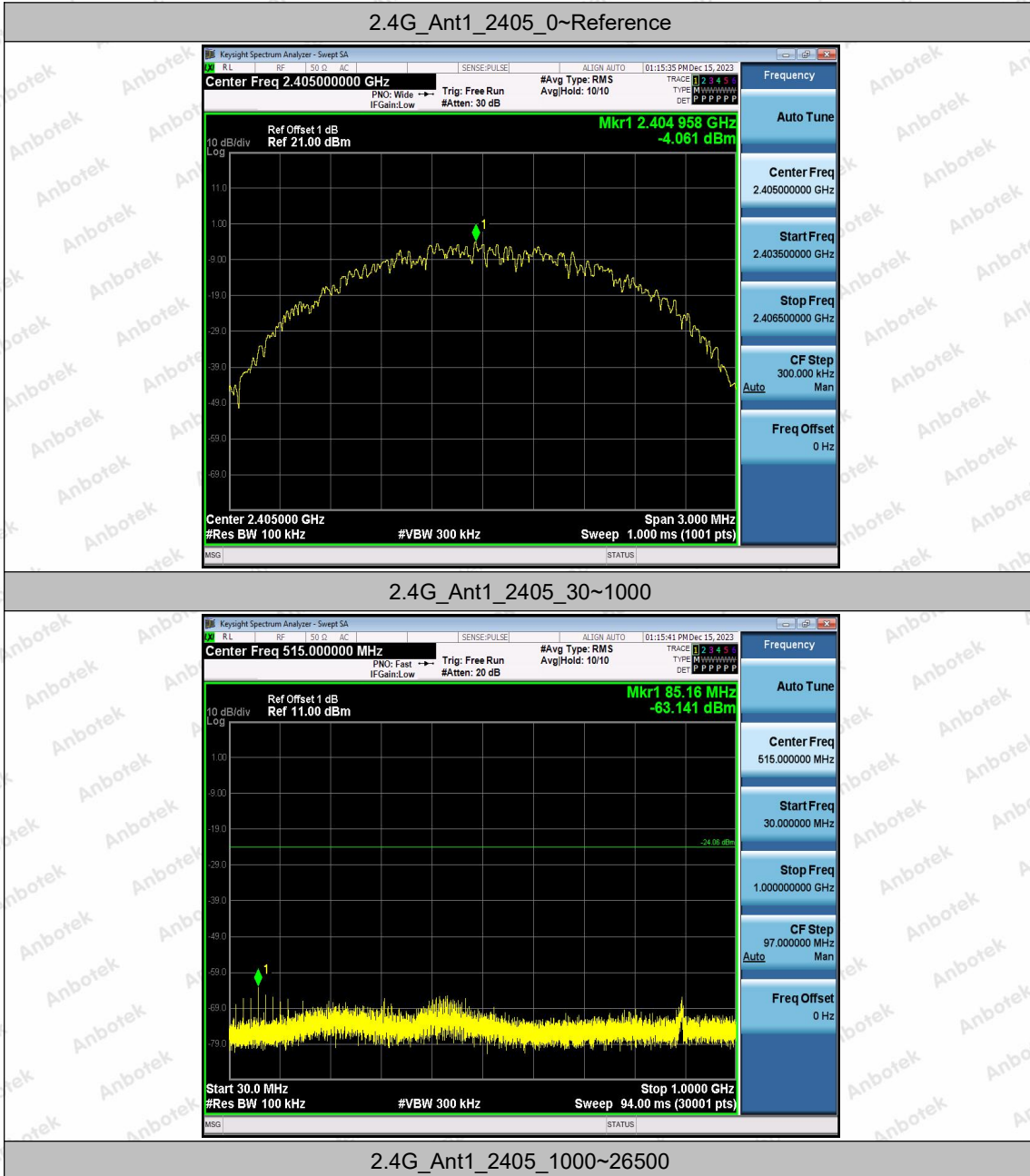
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Test Graphs

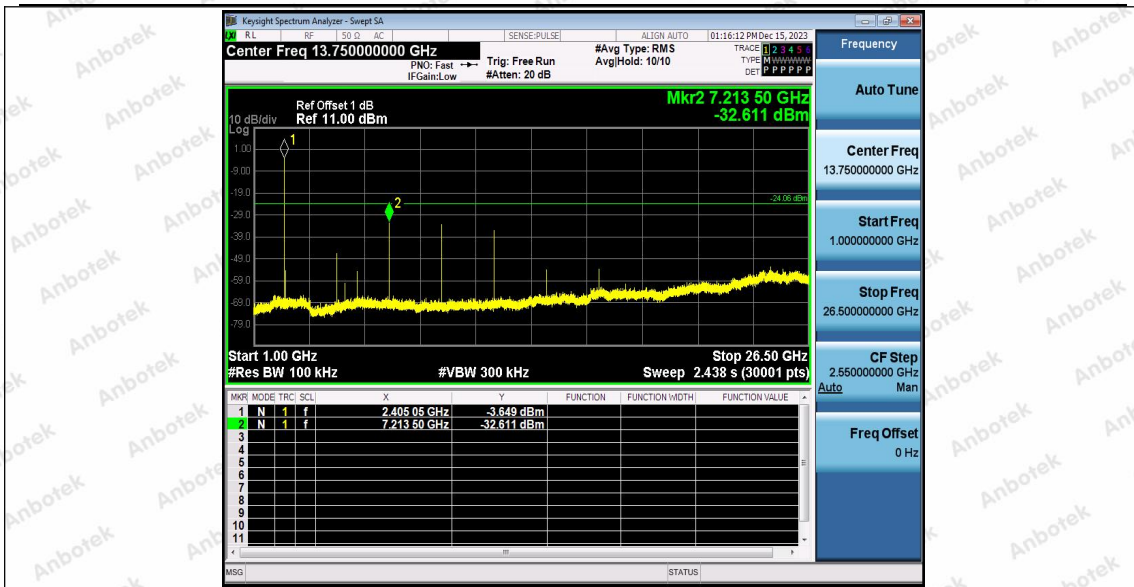


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2.4G_Ant1_2430_0~Reference



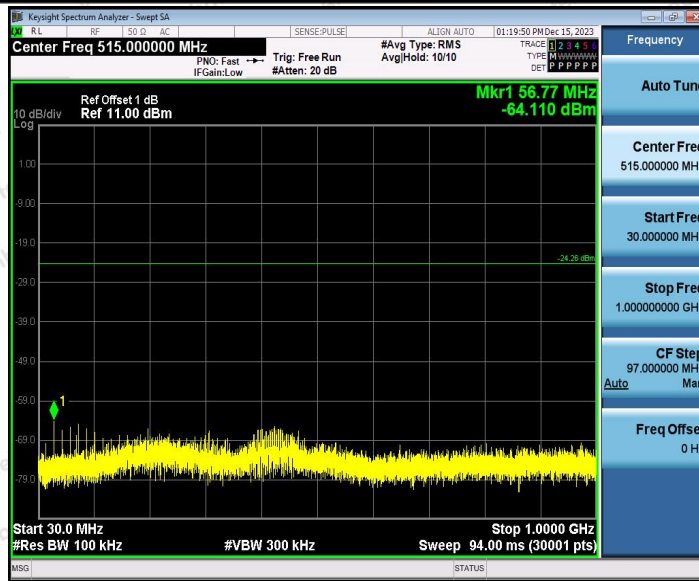
2.4G_Ant1_2430_30~1000

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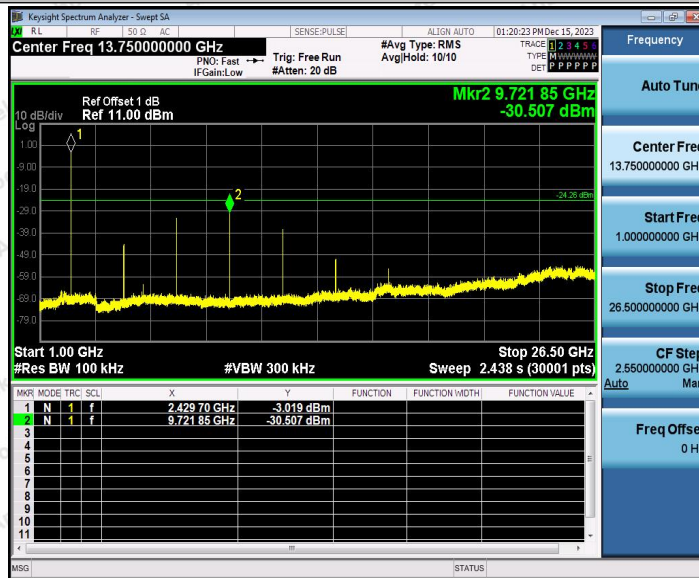
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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference

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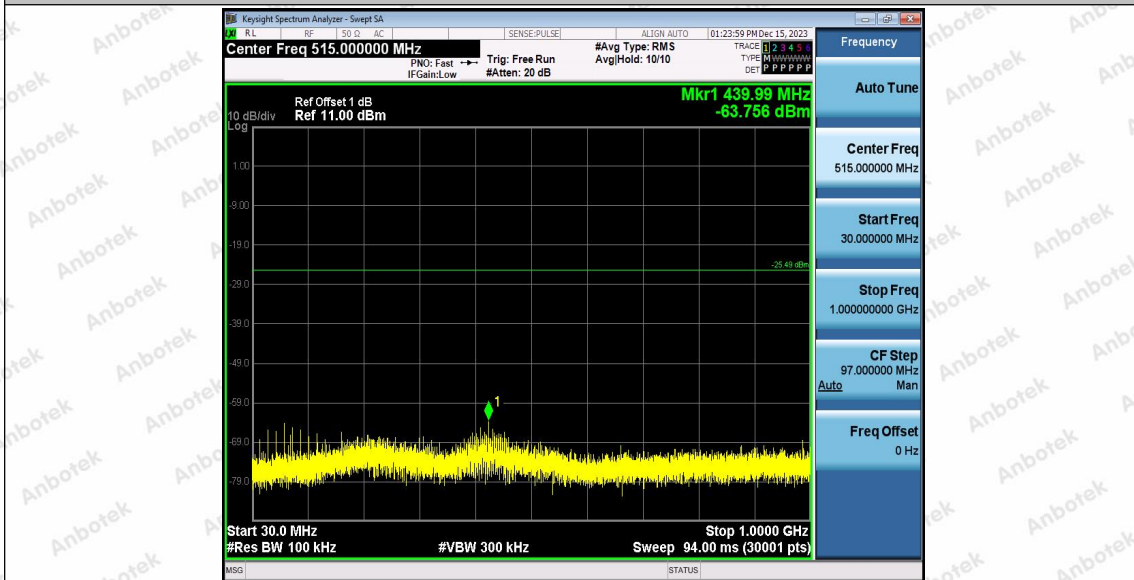
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2.4G_Ant1_2470_30~1000



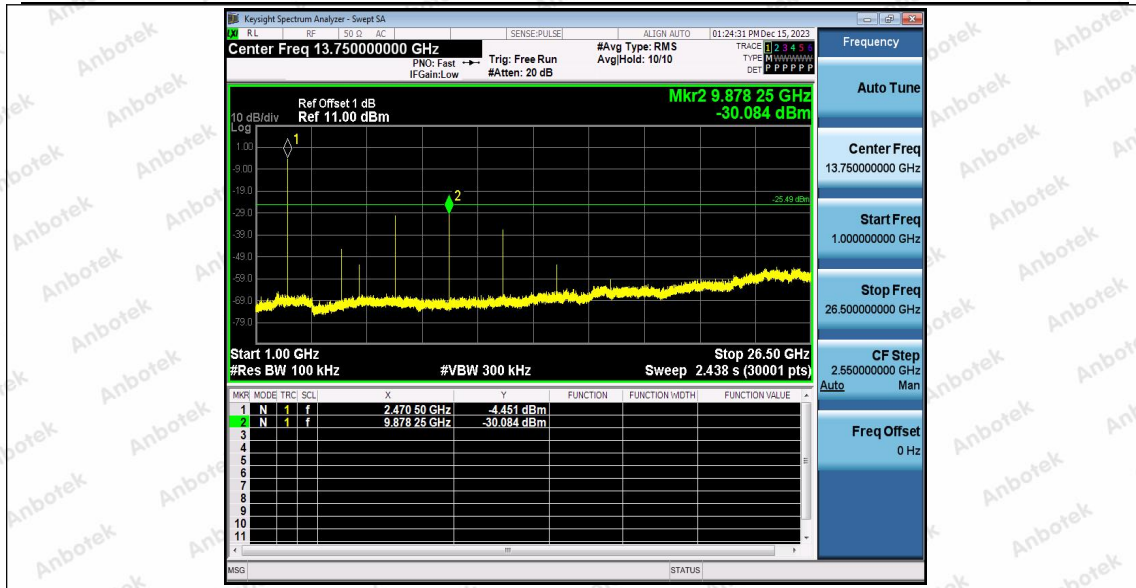
2.4G_Ant1_2470_1000~26500

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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

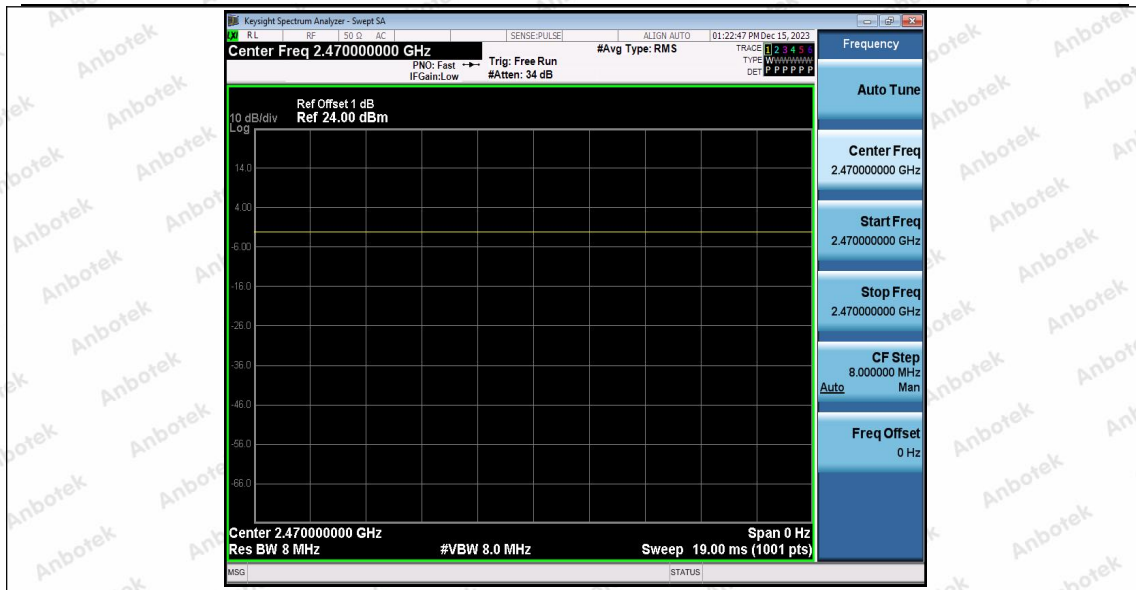


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