

Appendix Test Data

Report No.:	18220WC30246501	Test Sample No.:	1-2-2
Start Test Date:	2023.11.23	Finish Test Date:	2023.11.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.8°C	Relative Humidity:	44%
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	1.584	2404.252	2405.836	0.5	PASS
		2430	1.552	2429.292	2430.844	0.5	PASS
		2470	1.428	2469.364	2470.792	0.5	PASS

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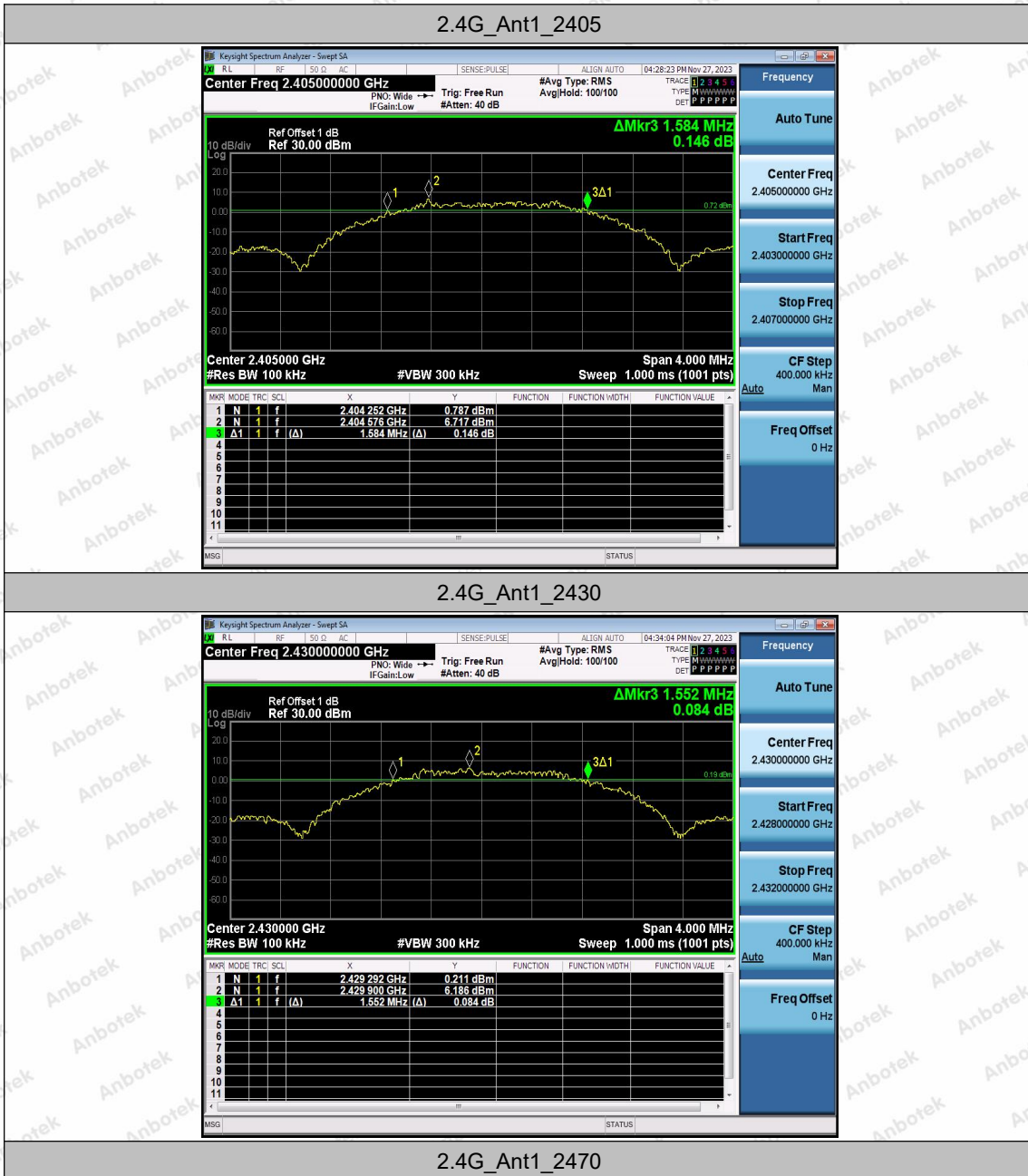
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Test Graphs

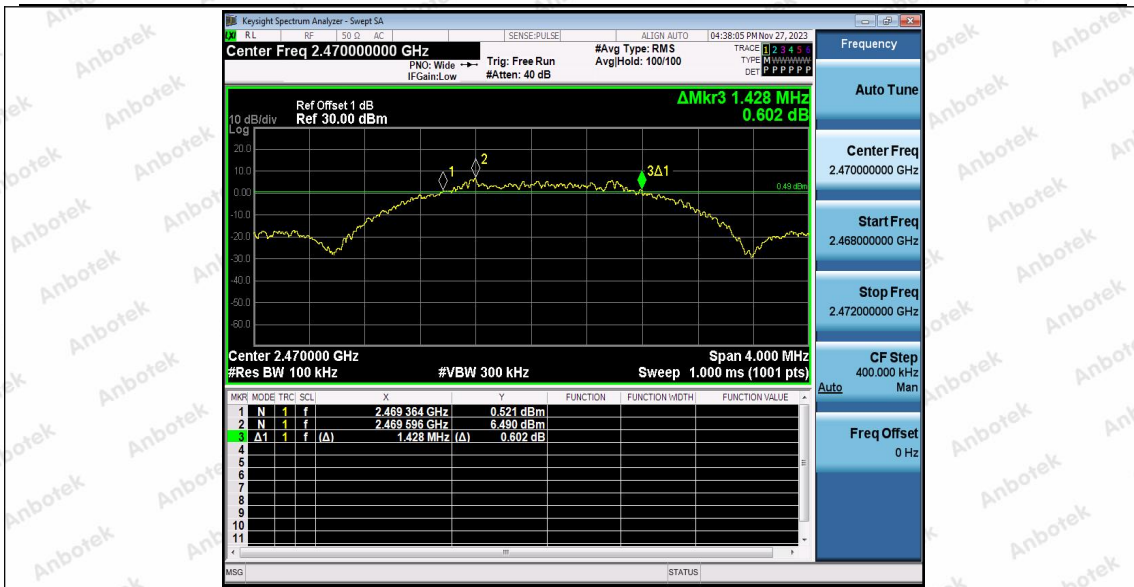


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.3021	2403.9172	2406.2193
		2430	2.2787	2428.9399	2431.2186
		2470	2.3051	2468.8983	2471.2034

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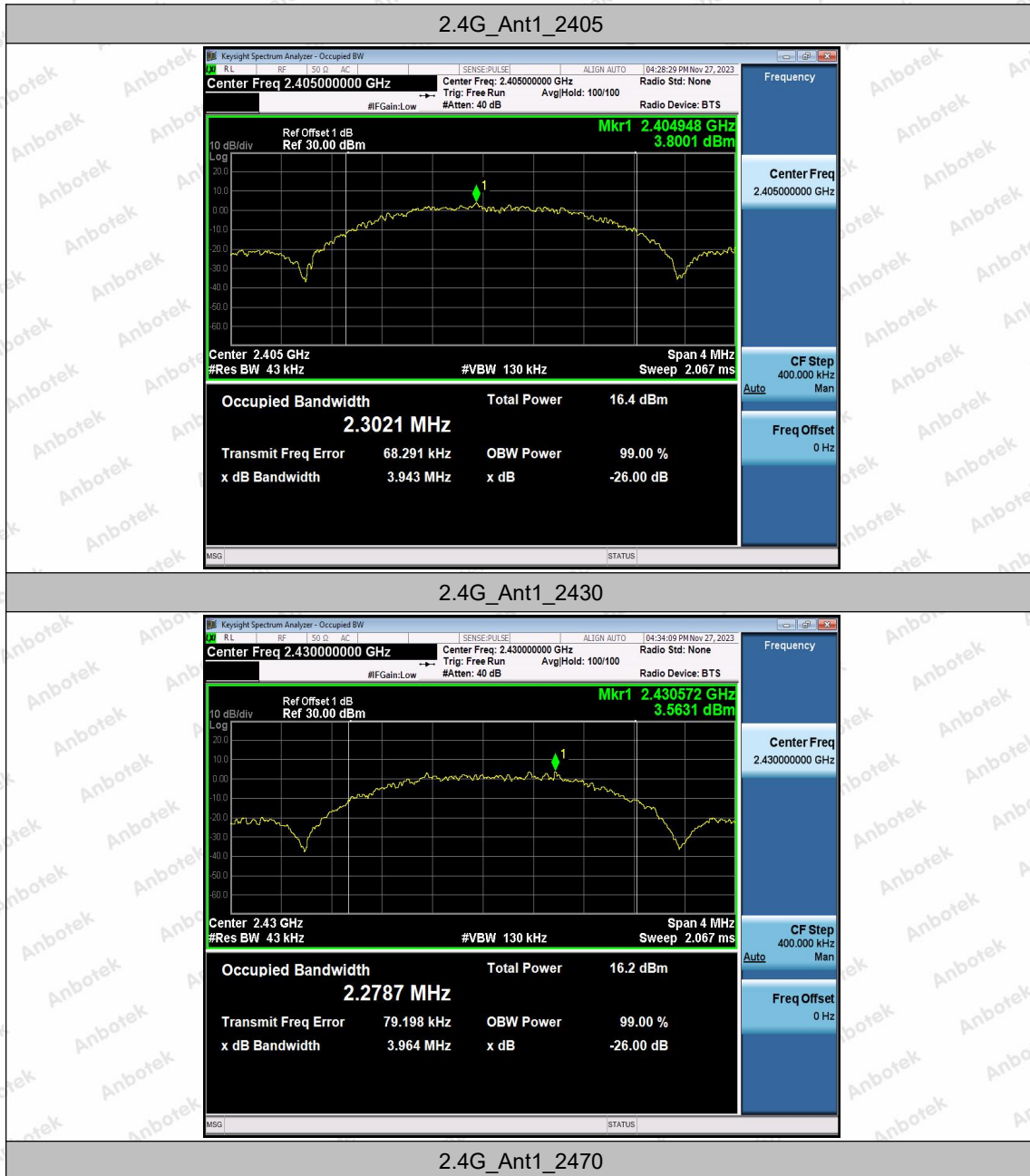
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	8.74	≤30	PASS
		2430	8.61	≤30	PASS
		2470	8.33	≤30	PASS

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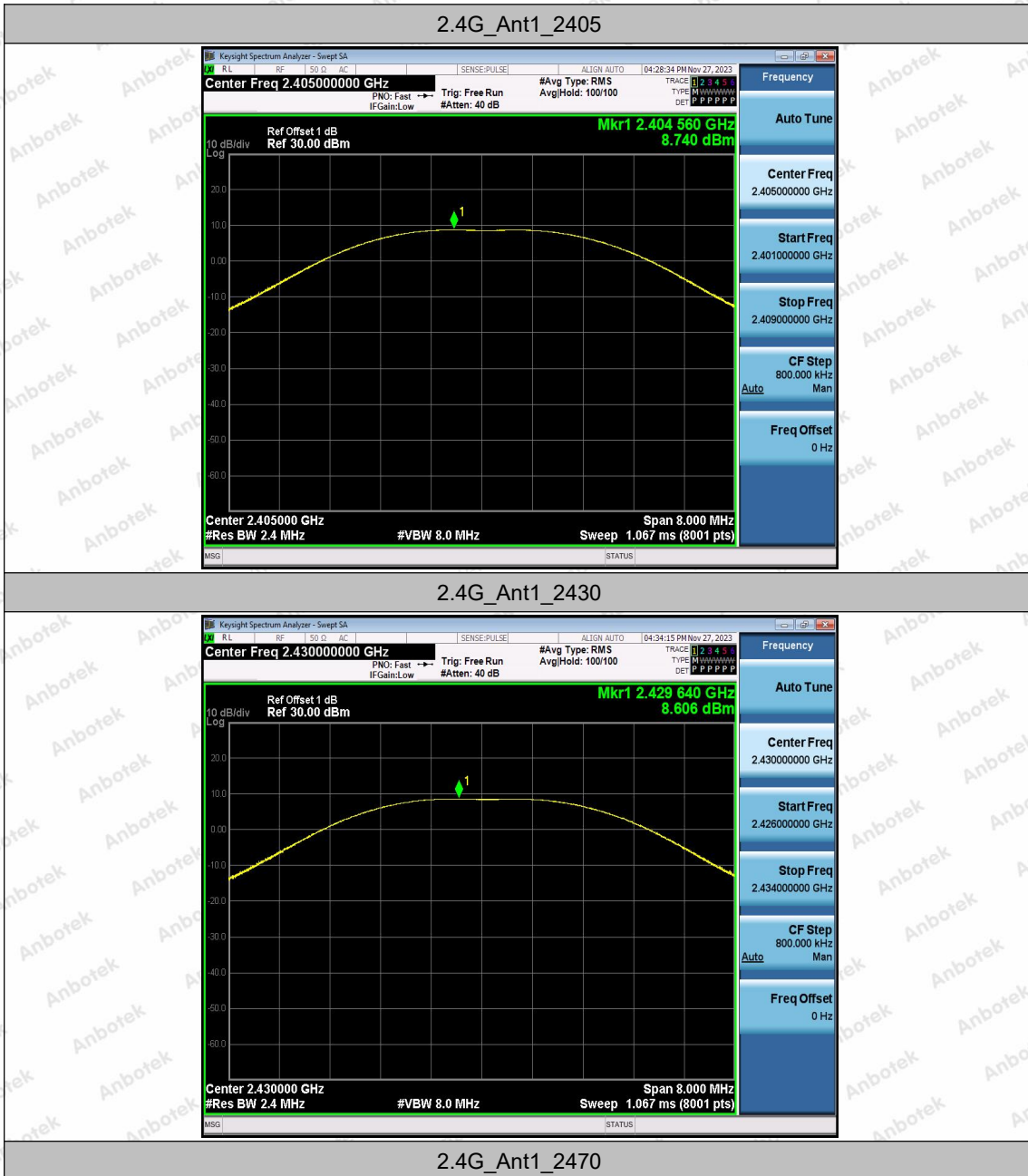
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Test Graphs Peak



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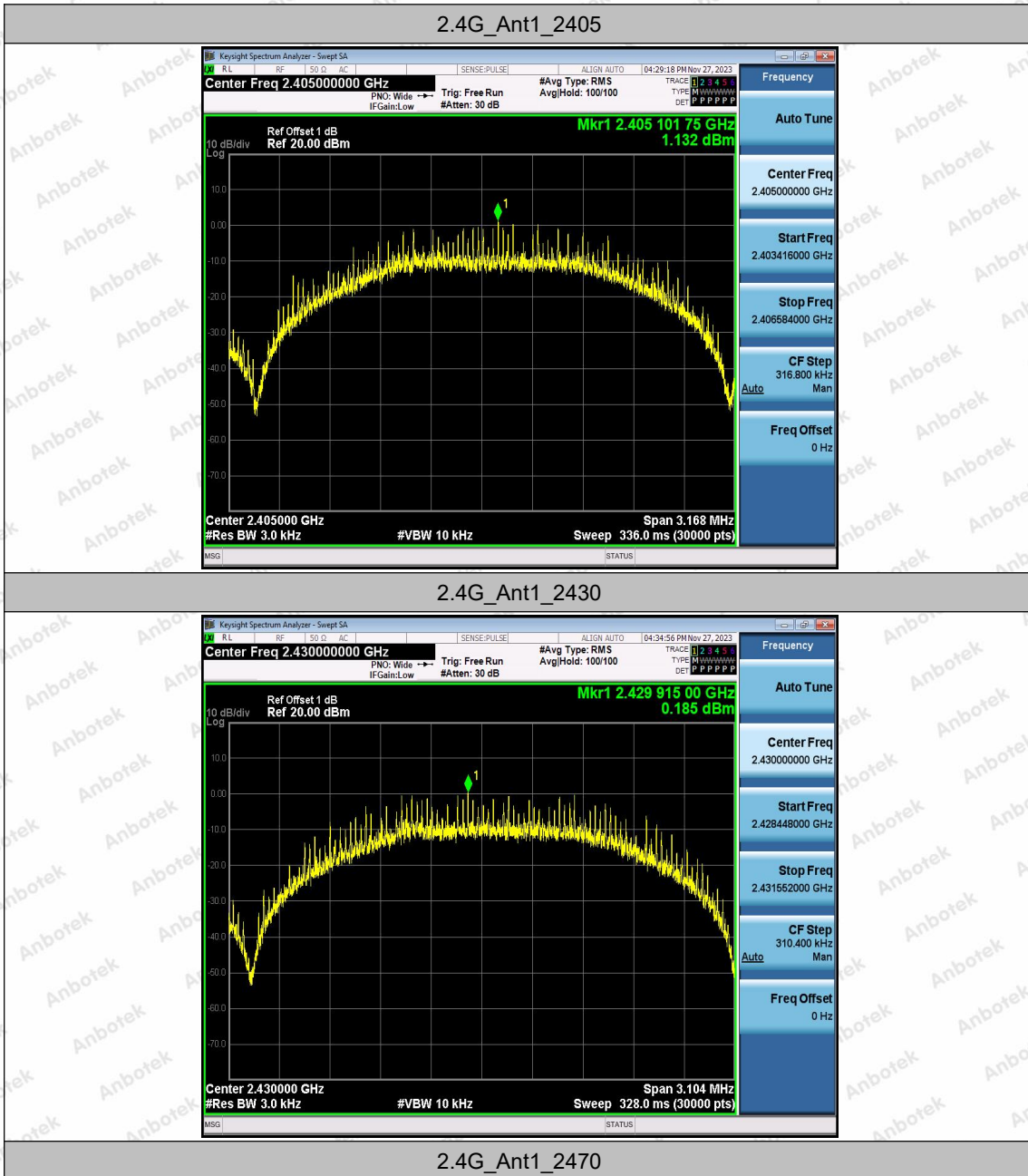
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	1.13	≤8.00	PASS
		2430	0.19	≤8.00	PASS
		2470	1.97	≤8.00	PASS



Test Graphs

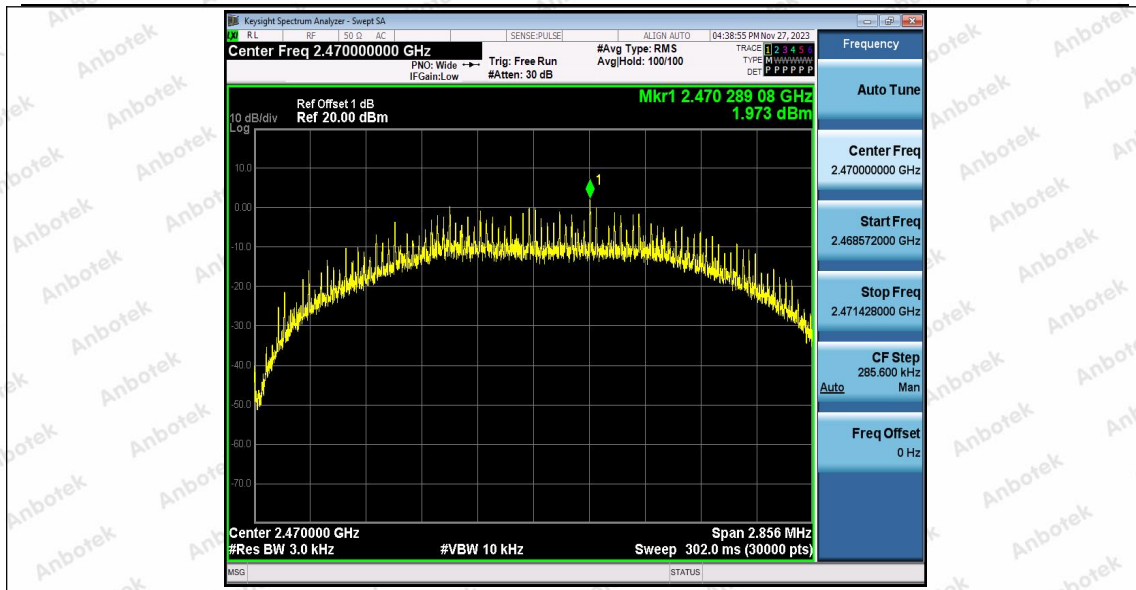


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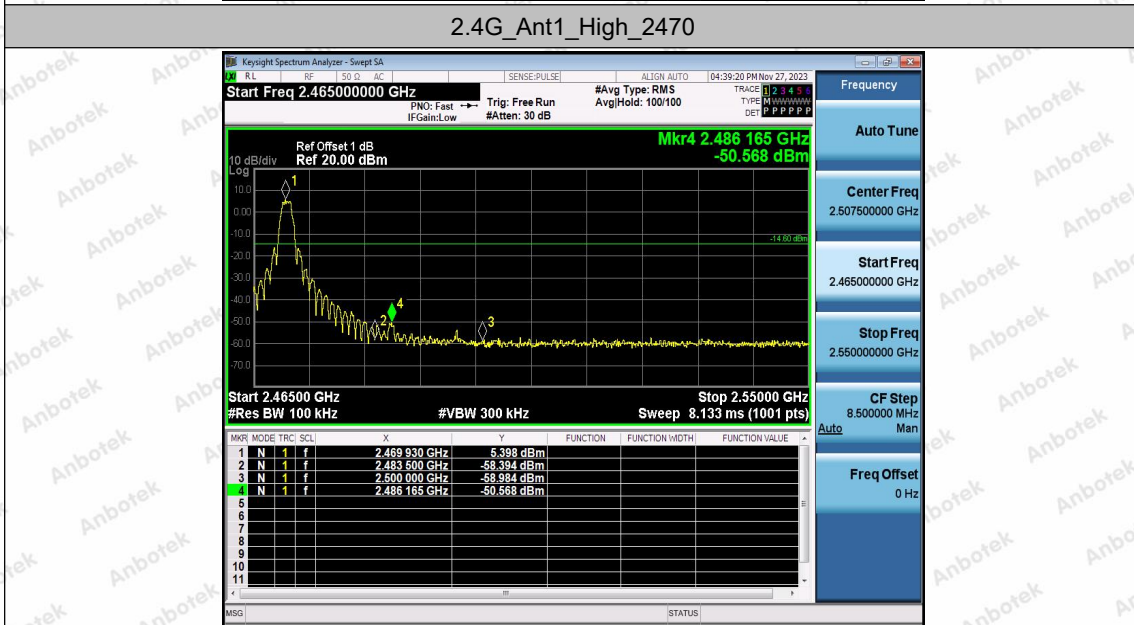
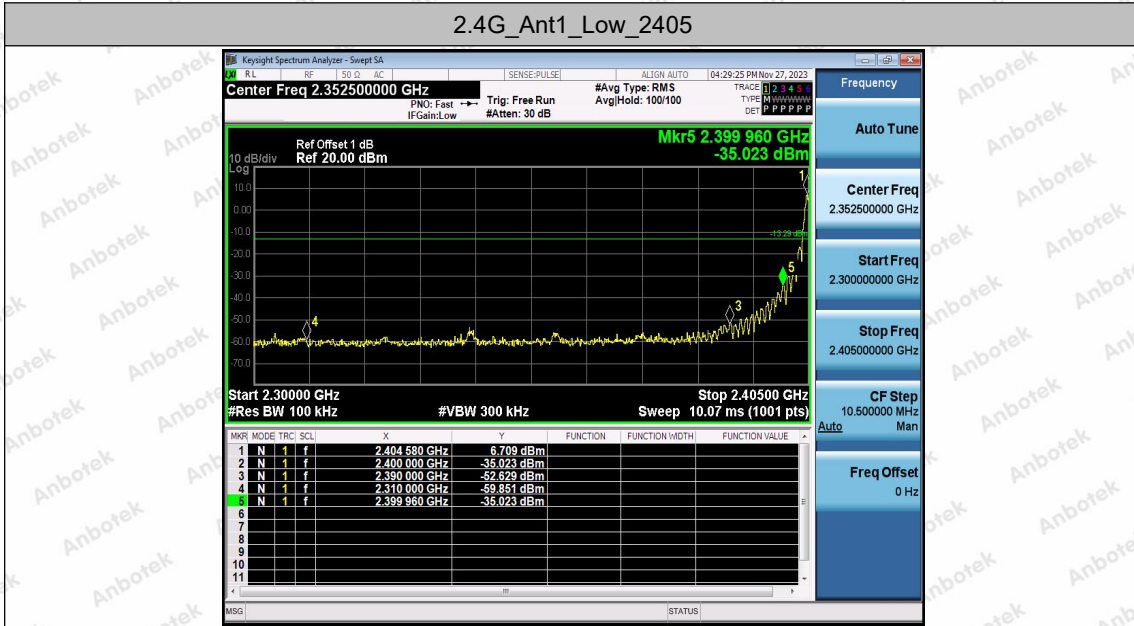
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	6.71	-35.02	≤-13.29	PASS
		High	2470	5.40	-50.57	≤-14.6	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	5.54	5.54	---	PASS
			30~1000	5.54	-58.36	≤-14.46	PASS
			1000~26500	5.54	-30.58	≤-14.46	PASS
		2430	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-57.4	≤-15.13	PASS
			1000~26500	4.87	-28.19	≤-15.13	PASS
		2470	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-57.4	≤-15.77	PASS
			1000~26500	4.23	-31.33	≤-15.77	PASS

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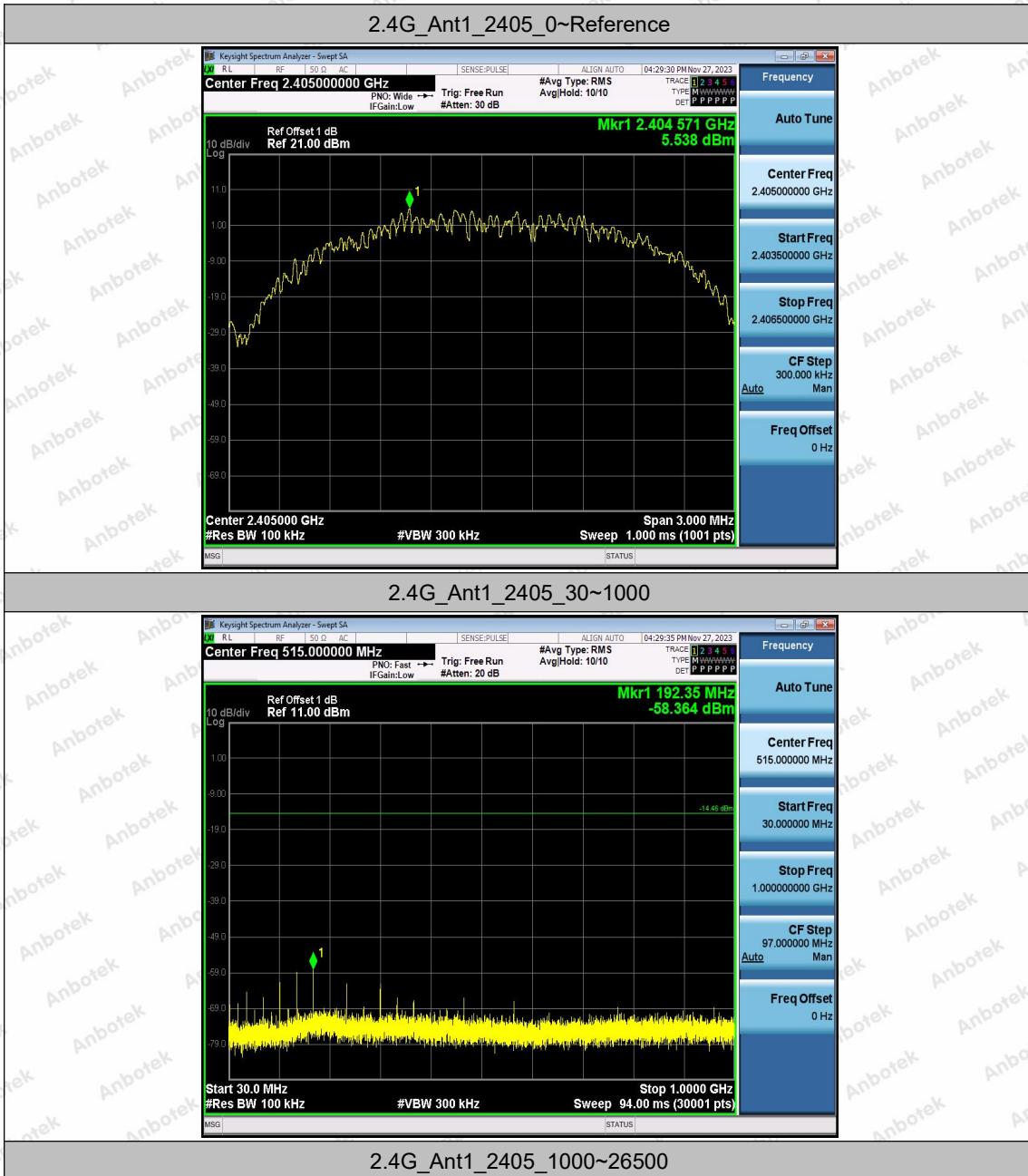
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Test Graphs

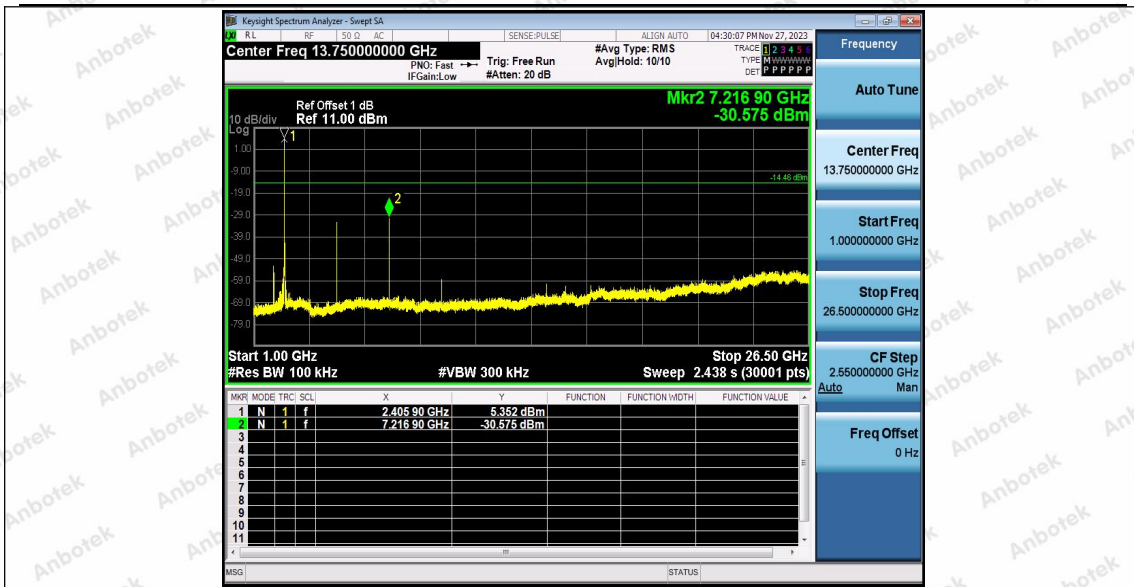


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2.4G_Ant1_2430_0~Reference



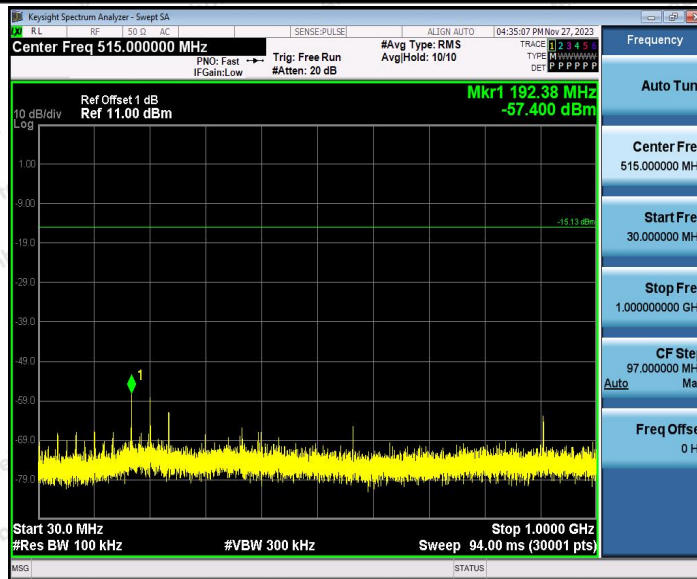
2.4G_Ant1_2430_30~1000

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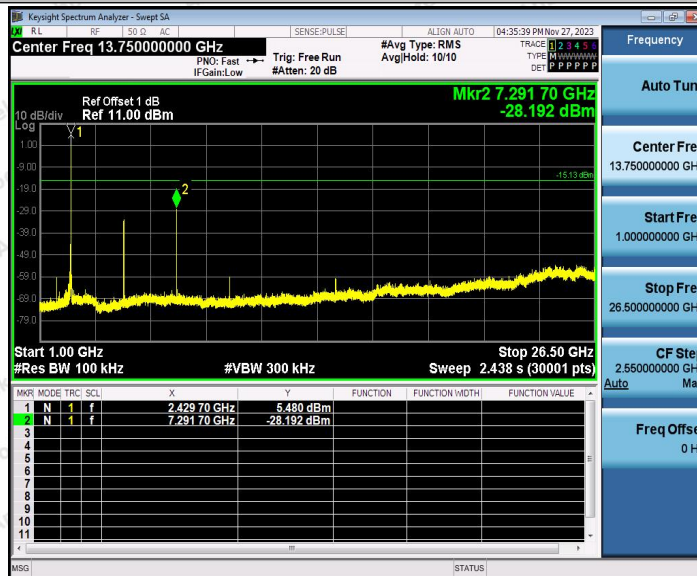
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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference

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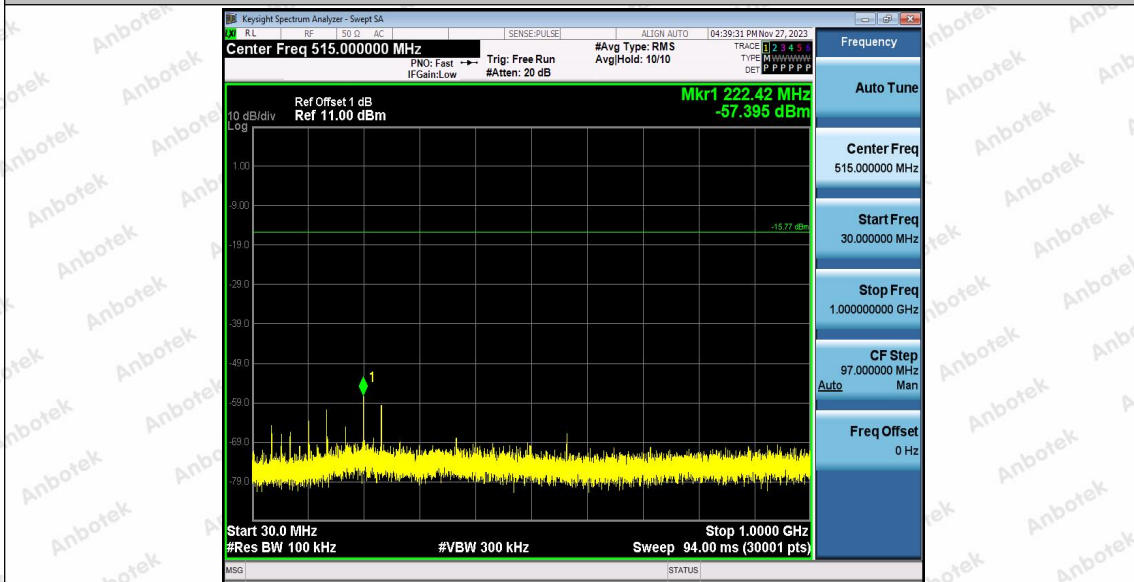
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2.4G_Ant1_2470_30~1000



2.4G_Ant1_2470_1000~26500

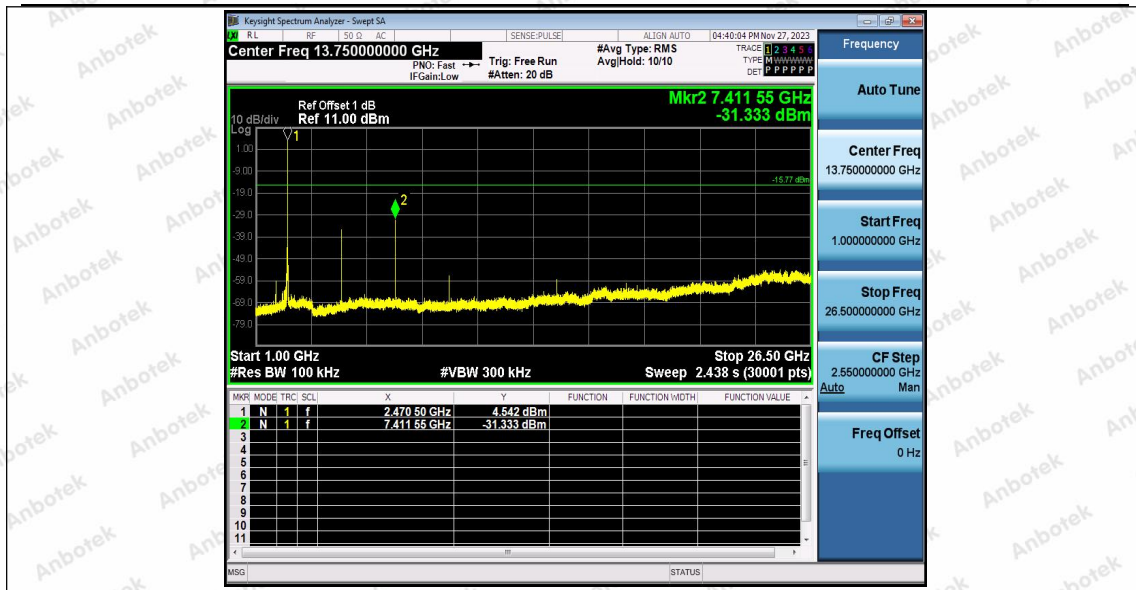
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Appendix G: Duty Cycle

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

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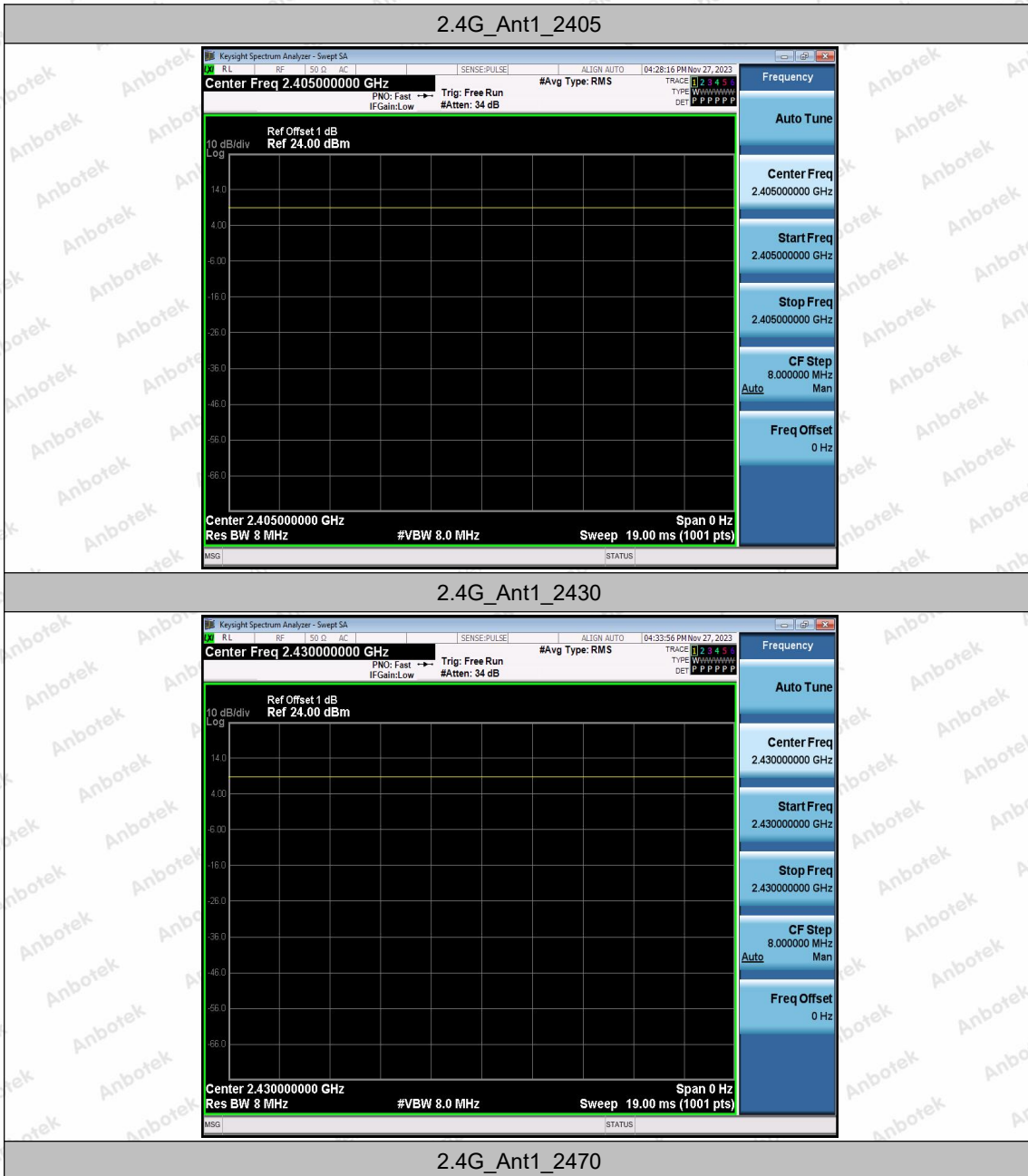
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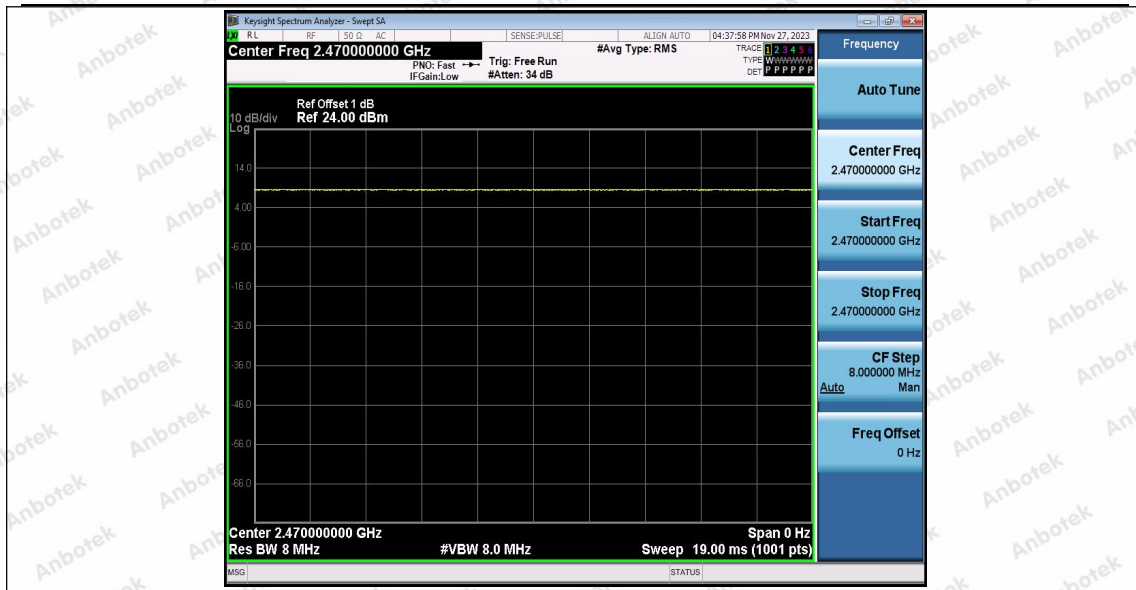


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