

Appendix Test Data

Report No.:	18220WC30246901	Test Sample No.:	1-2-2
Start Test Date:	2023.11.20	Finish Test Date:	2023.11.22
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	1.680	2404.248	2405.928	0.5	PASS
		2430	1.512	2429.316	2430.828	0.5	PASS
		2470	1.448	2469.356	2470.804	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	2.3216	2403.9121	2406.2337
		2430	2.3237	2428.9090	2431.2327
		2470	2.3299	2468.9283	2471.2582



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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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	8.58	≤30	PASS
		2430	8.50	≤30	PASS
		2470	8.31	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

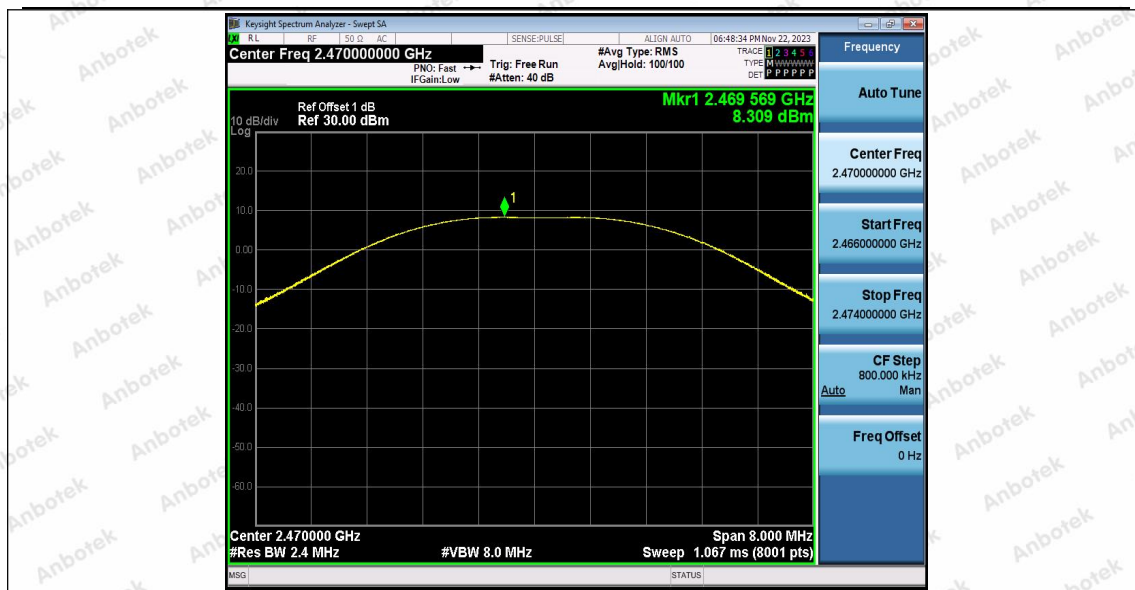
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Appendix D: Maximum power spectral density

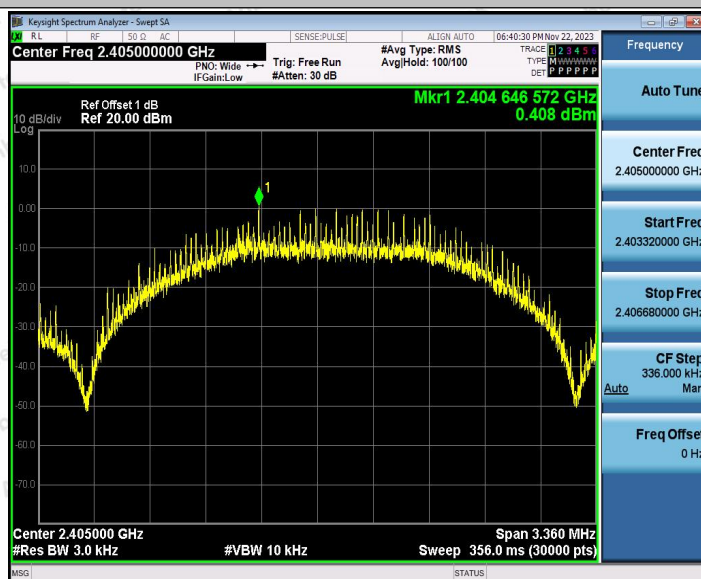
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	0.41	≤8.00	PASS
		2430	0.51	≤8.00	PASS
		2470	-1.10	≤8.00	PASS

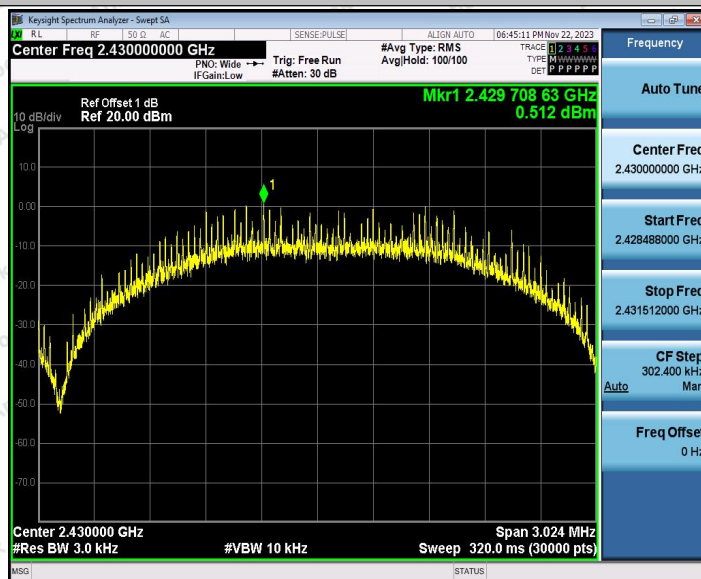


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

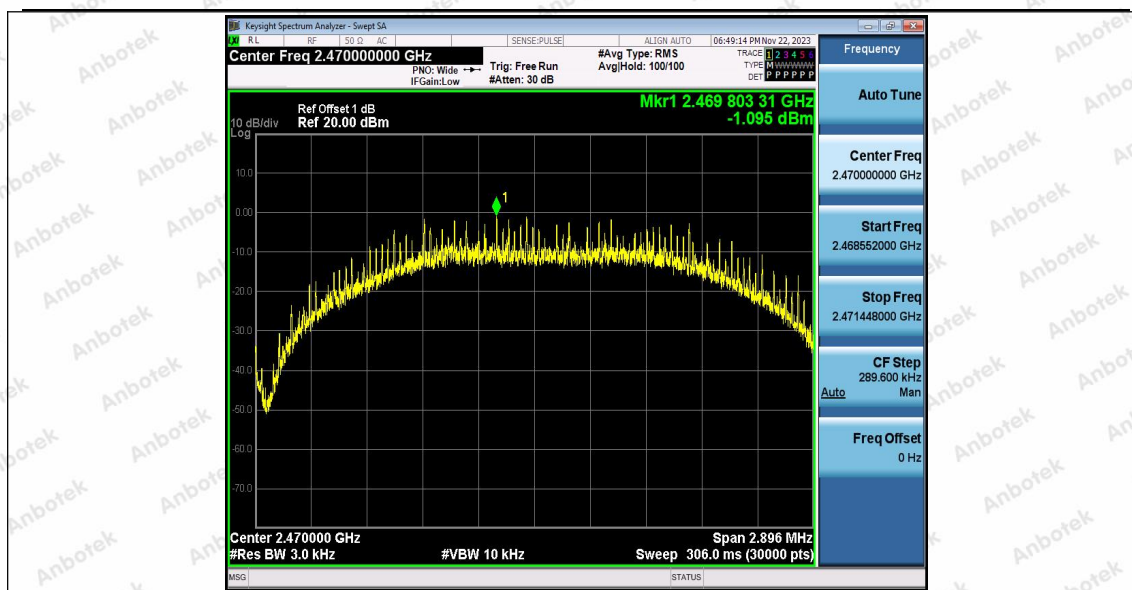
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	5.02	-35.01	≤-14.98	PASS
		High	2470	5.41	-51.09	≤-14.59	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
2.4G	Ant1	2405	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-58.52	≤-13.52	PASS
			1000~26500	6.48	-34.4	≤-13.52	PASS
		2430	Reference	7.09	7.09	---	PASS
			30~1000	7.09	-58.69	≤-12.91	PASS
			1000~26500	7.09	-36.23	≤-12.91	PASS
		2470	Reference	5.37	5.37	---	PASS
			30~1000	5.37	-57.02	≤-14.63	PASS
			1000~26500	5.37	-36.18	≤-14.63	PASS

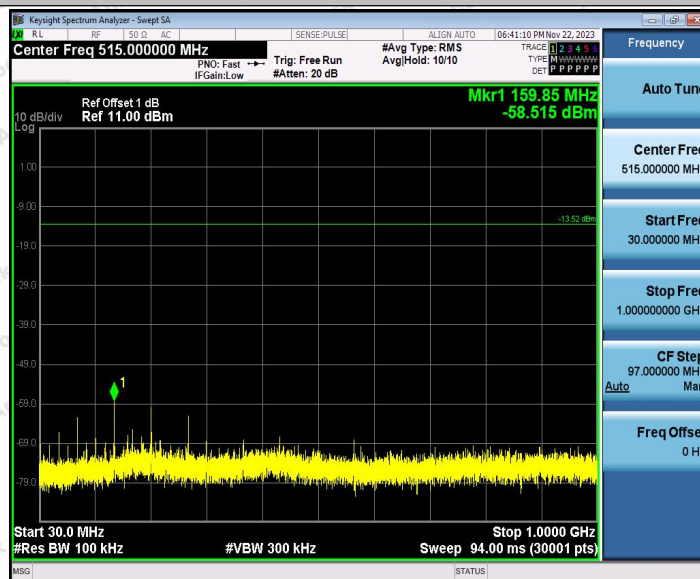


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

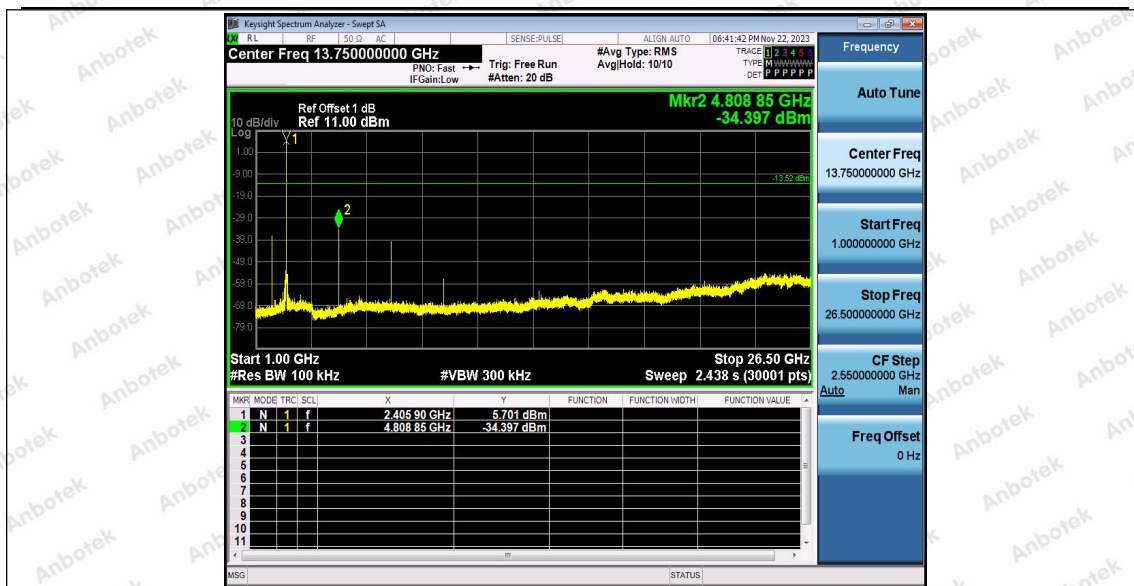
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2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000

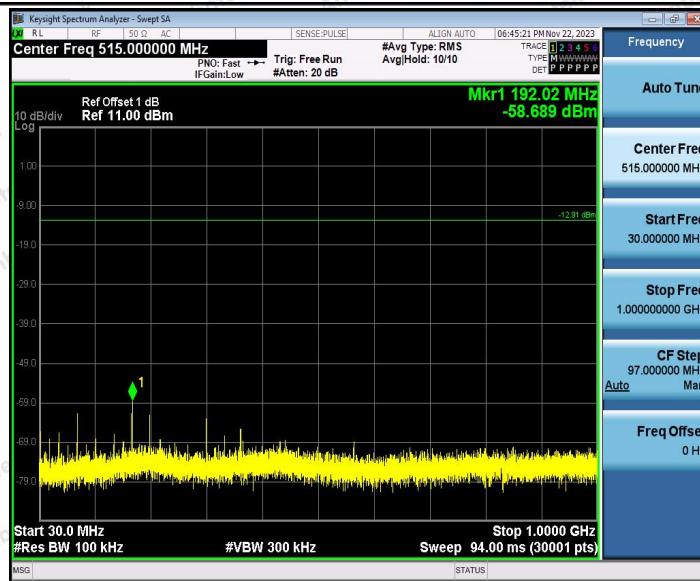
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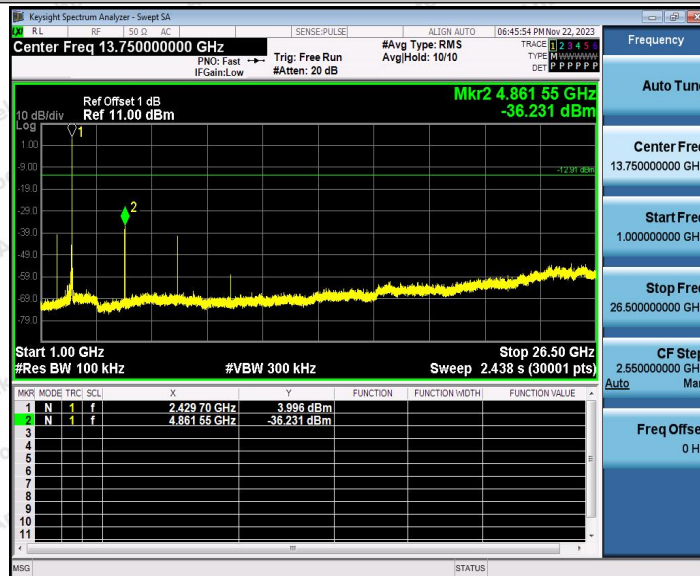


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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference

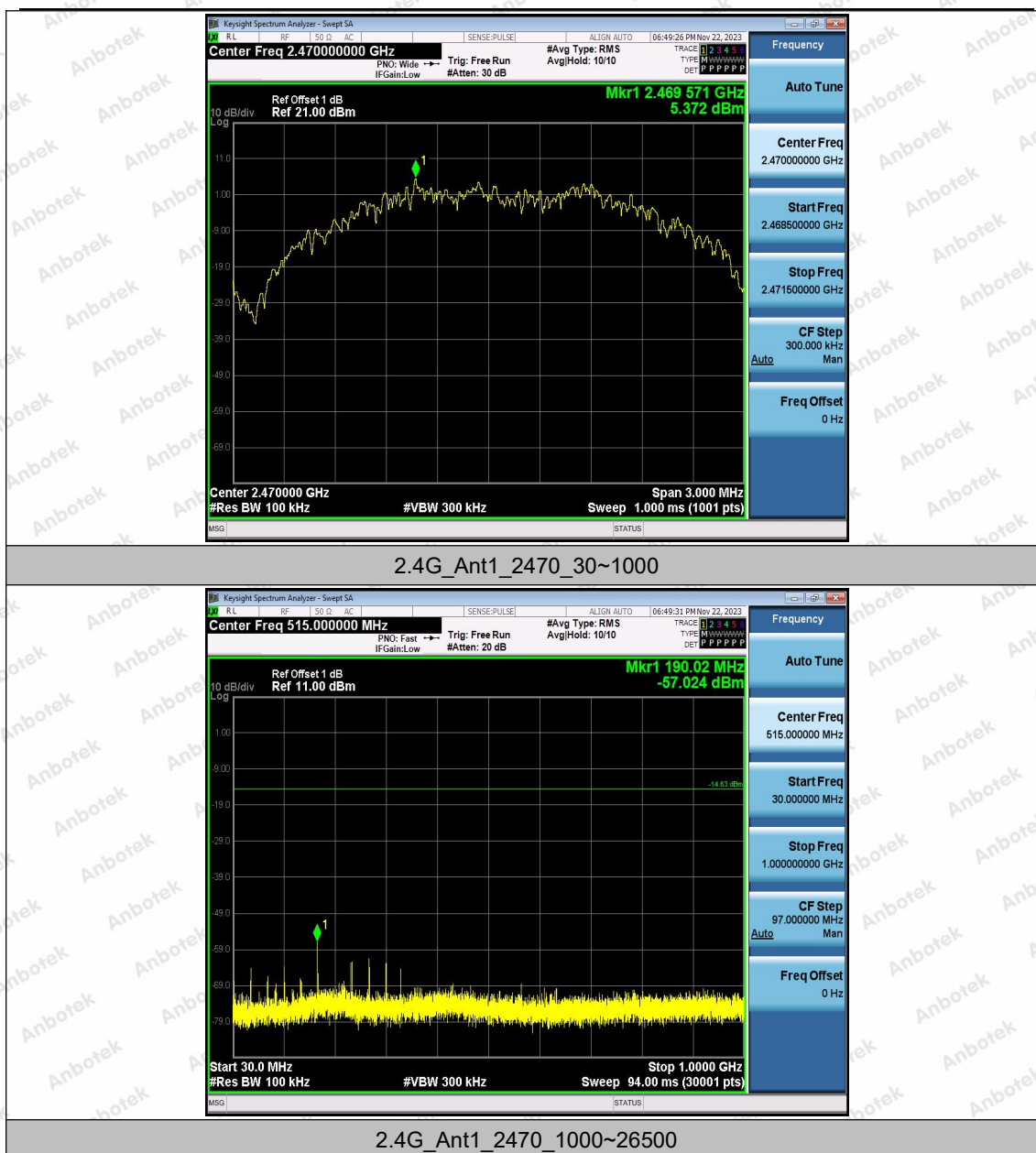
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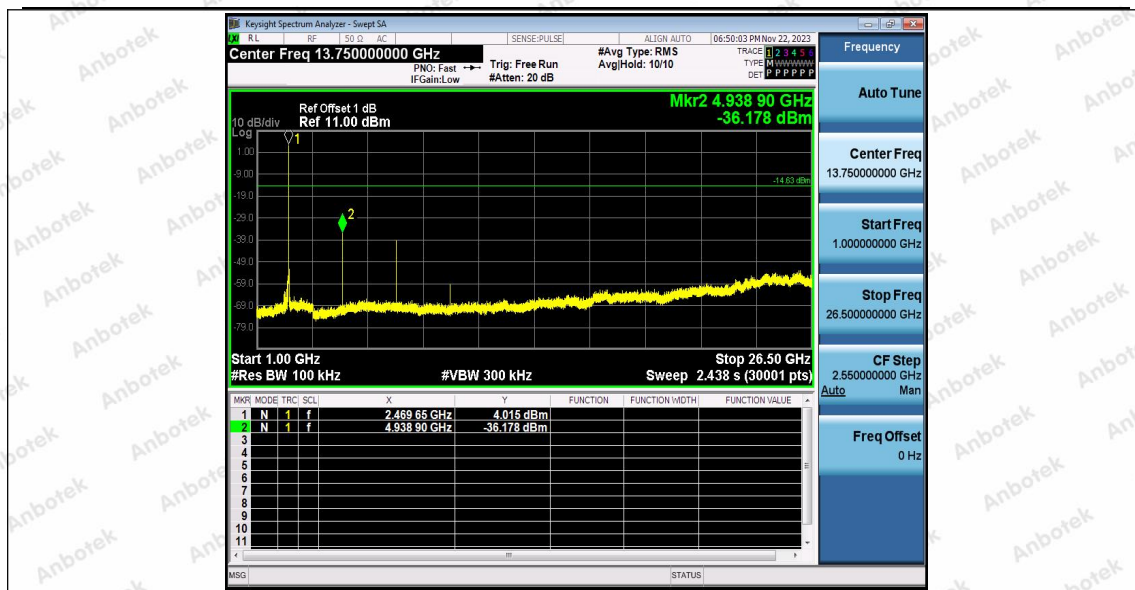
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Appendix G: Duty Cycle

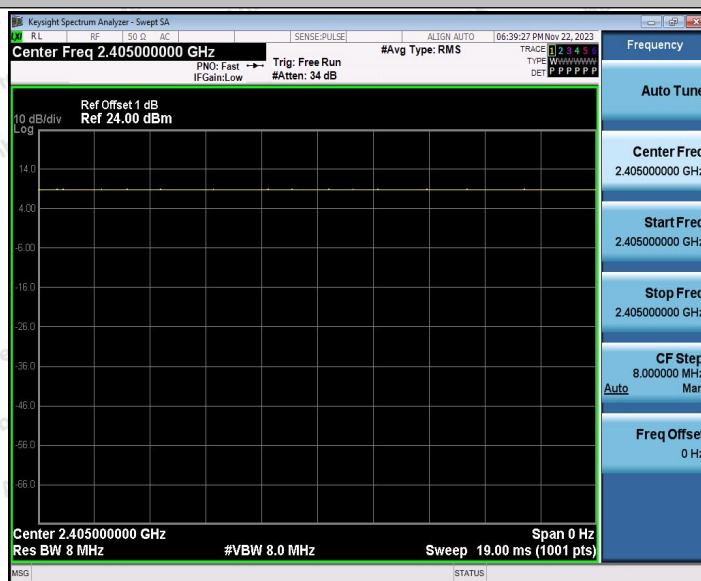
Test Result

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

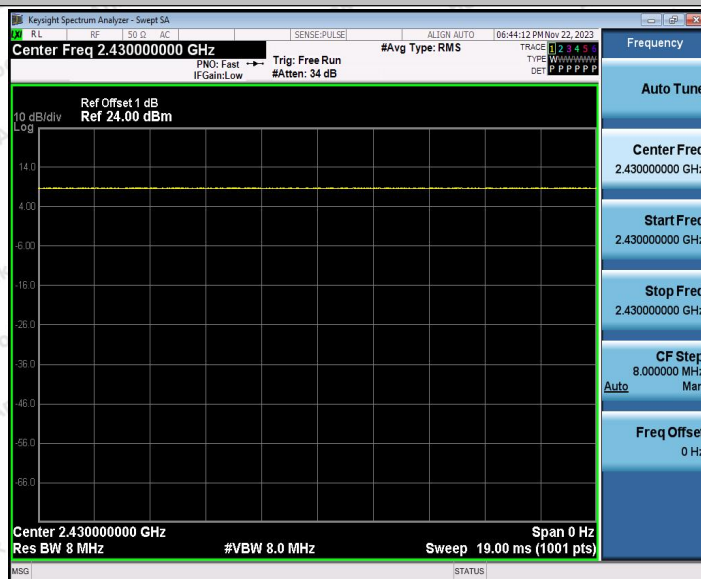


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

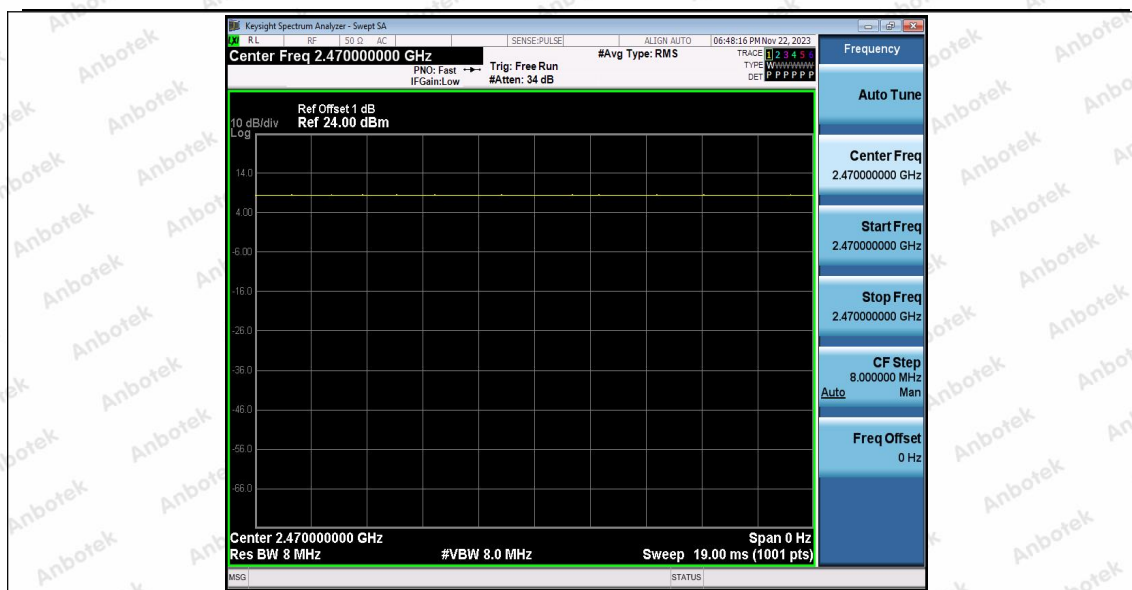
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