

Appendix Test Data

Report No.:	18220WC30140902	Test Sample No.:	1-2-2
Start Test Date:	2023.07.10	Finish Test Date:	2023.07.17
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.2°C	Relative Humidity:	48%
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	1.240	2404.372	2405.612	0.5	PASS
		2440	1.368	2439.272	2440.640	0.5	PASS
		2470	1.308	2469.340	2470.648	0.5	PASS

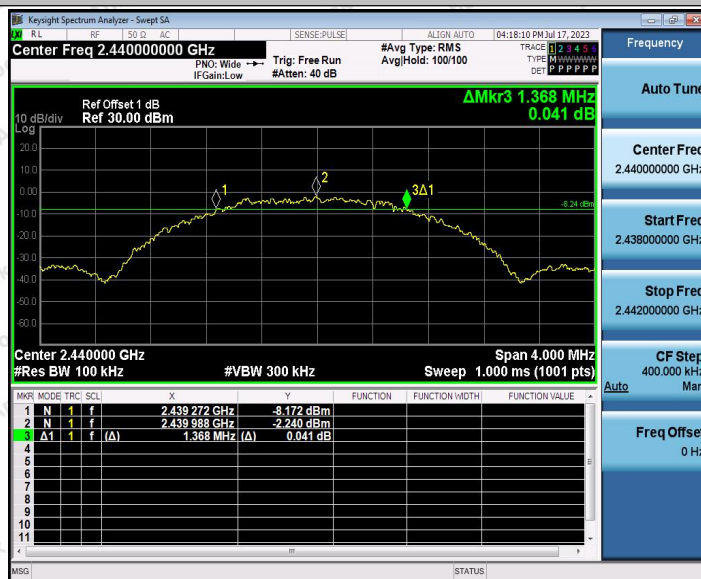


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



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	2.0744	2403.9338	2406.0082
		2440	2.0460	2438.9522	2440.9982
		2470	2.0261	2468.9586	2470.9847



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



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	1.10	≤30	PASS
		2440	-0.02	≤30	PASS
		2470	-1.16	≤30	PASS

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Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2440



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	-11.96	≤8.00	PASS
		2440	-12.67	≤8.00	PASS
		2470	-13.6	≤8.00	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

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Appendix E: Band edge measurements

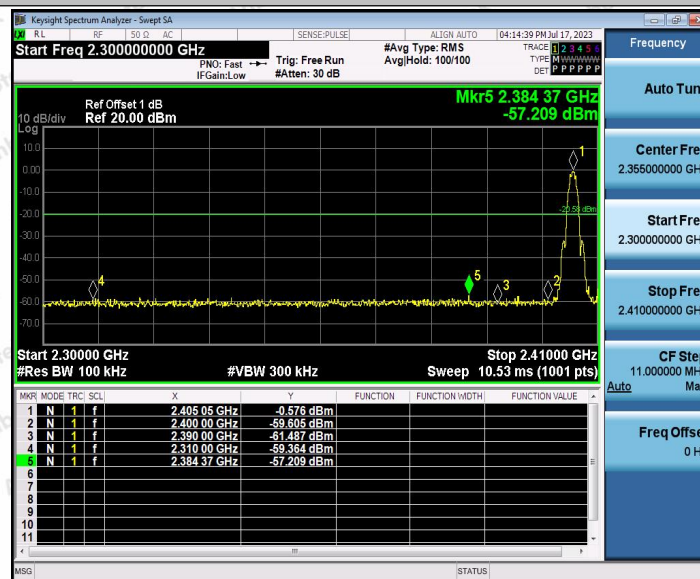
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-0.58	-57.21	≤-20.58	PASS
		High	2470	-3.38	-56.91	≤-23.38	PASS

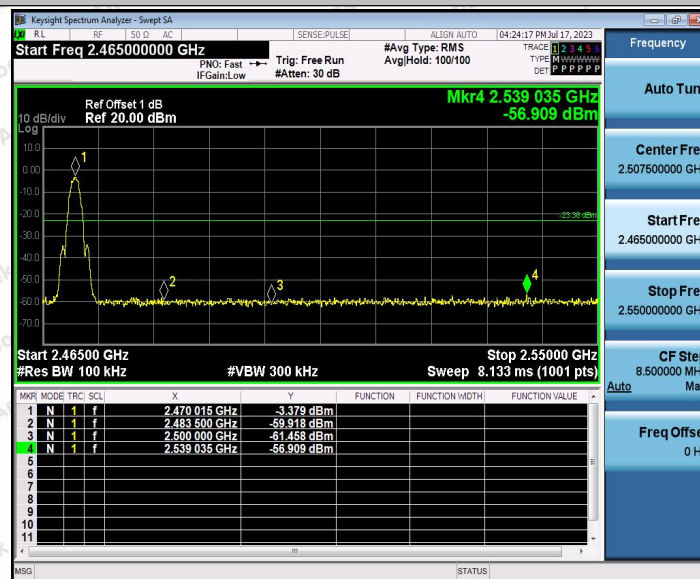


Test Graphs

2.4G_Ant1_Low_2405



2.4G_Ant1_High_2470



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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	-1.36	-1.36	---	PASS
			30~1000	-1.36	-68.26	≤-21.36	PASS
			1000~26500	-1.36	-44.33	≤-21.36	PASS
		2440	Reference	-2.85	-2.85	---	PASS
			30~1000	-2.85	-68.23	≤-22.85	PASS
			1000~26500	-2.85	-43.3	≤-22.85	PASS
		2470	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-68.53	≤-24.6	PASS
			1000~26500	-4.60	-42.58	≤-24.6	PASS

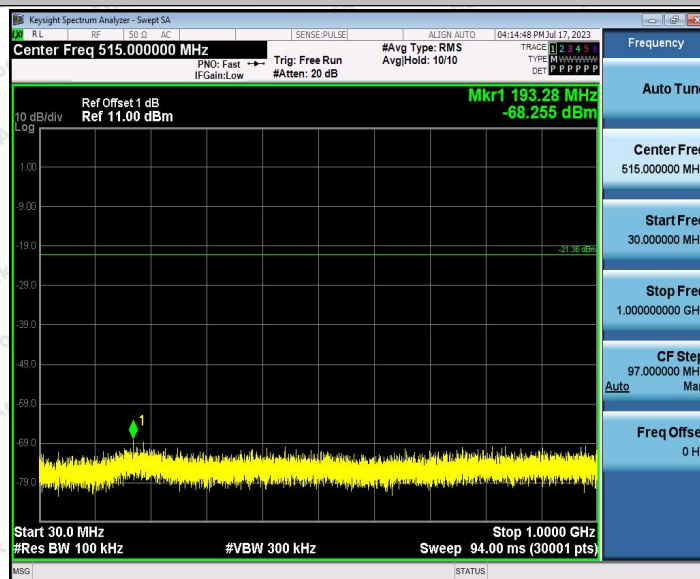


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

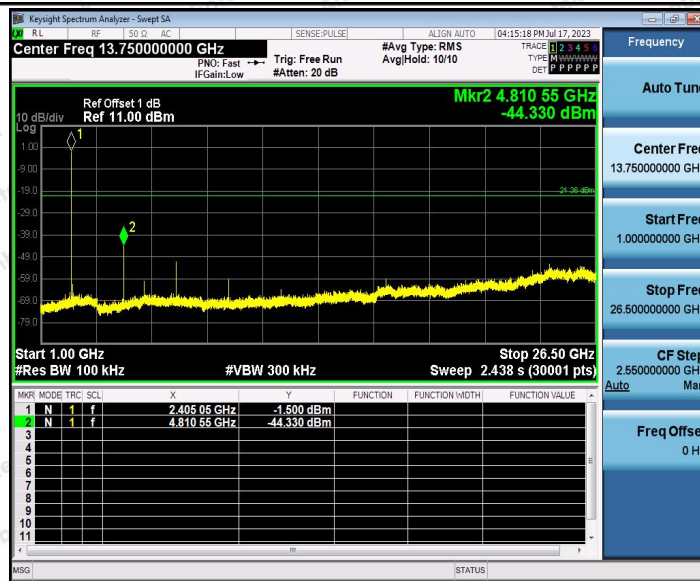
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2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

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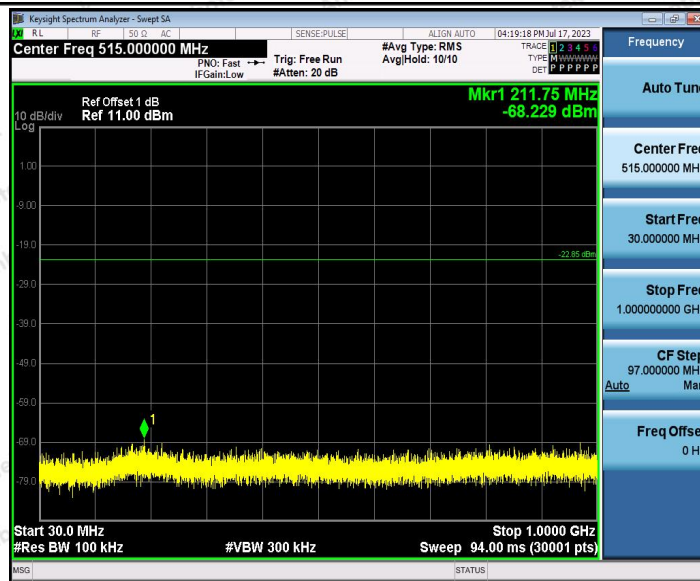


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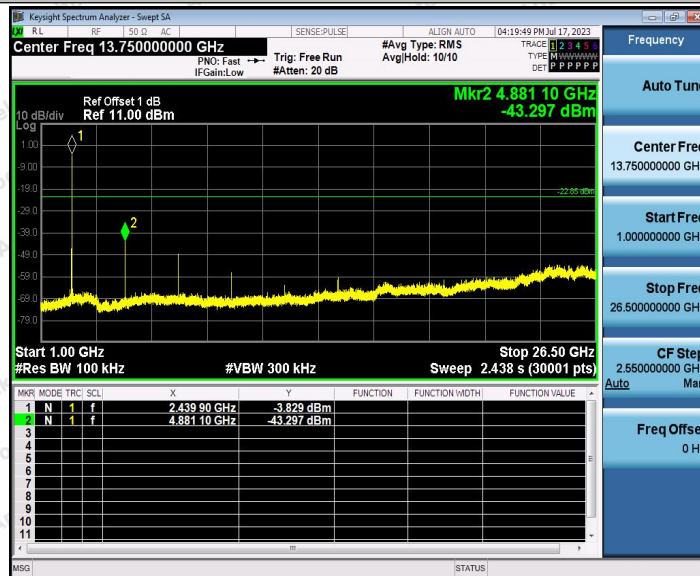
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2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2470_0~Reference

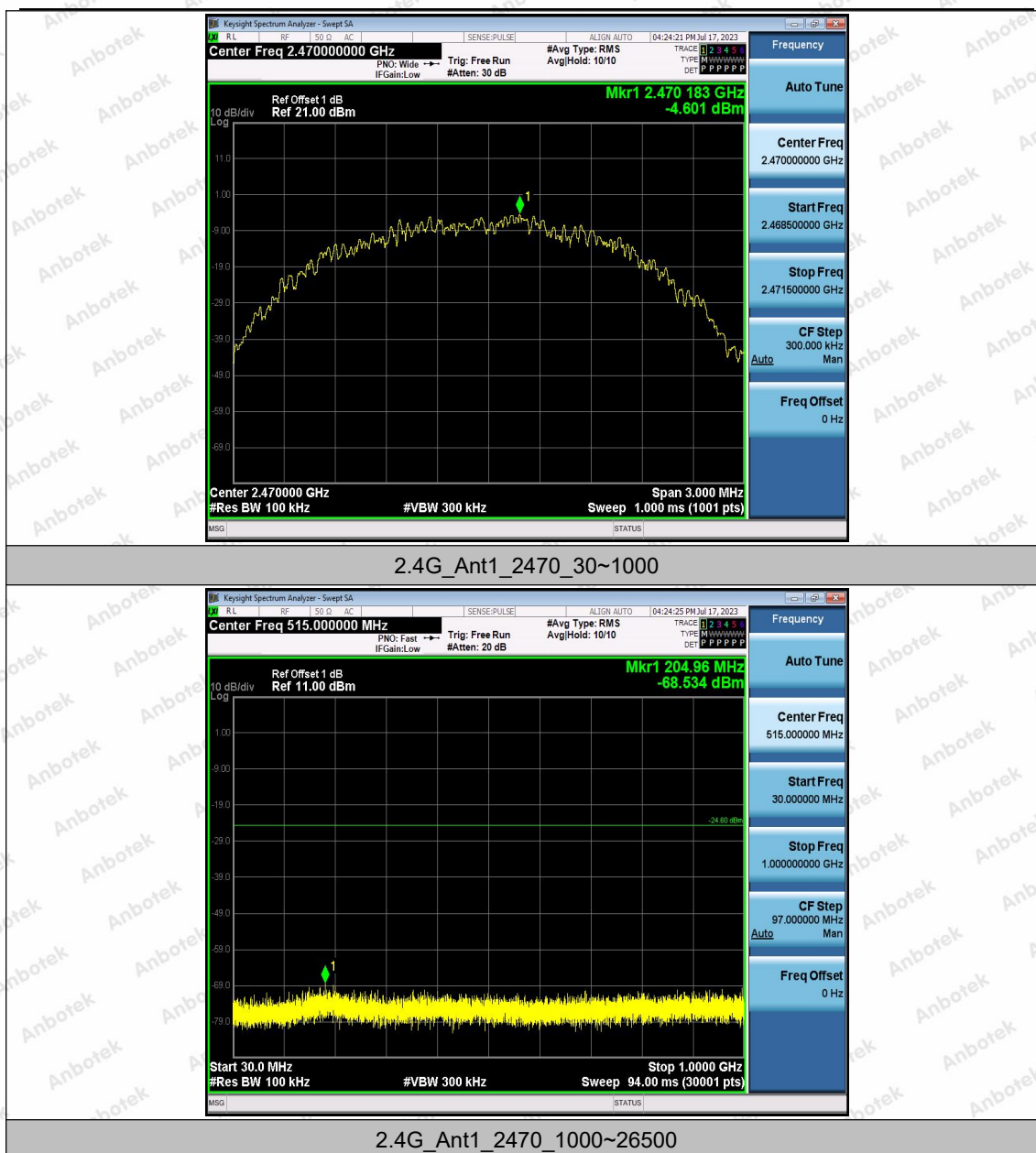
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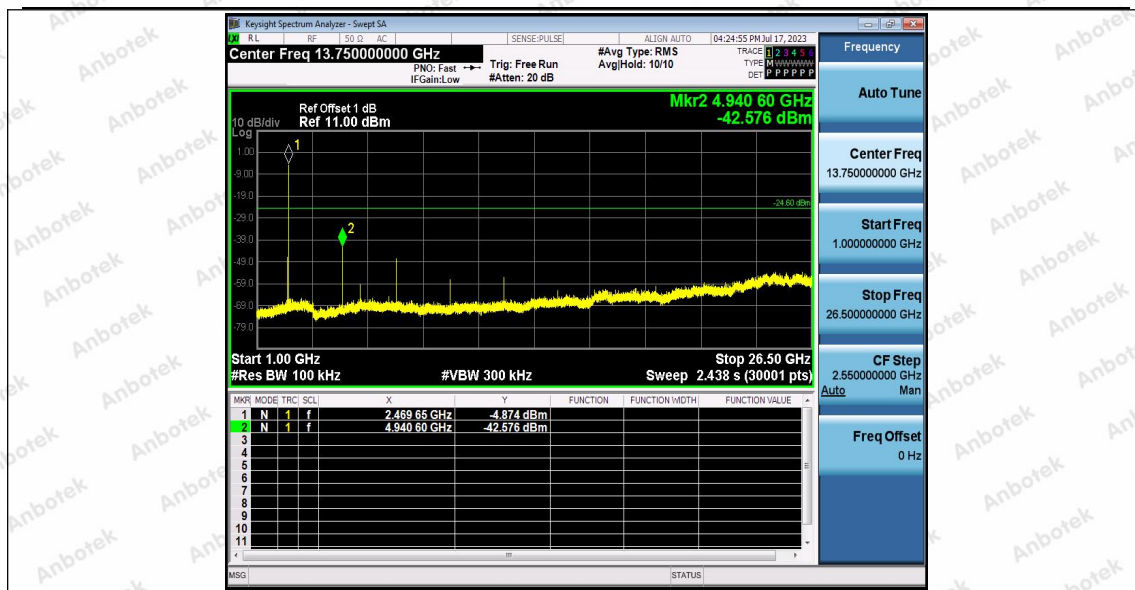
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Appendix G: Duty Cycle

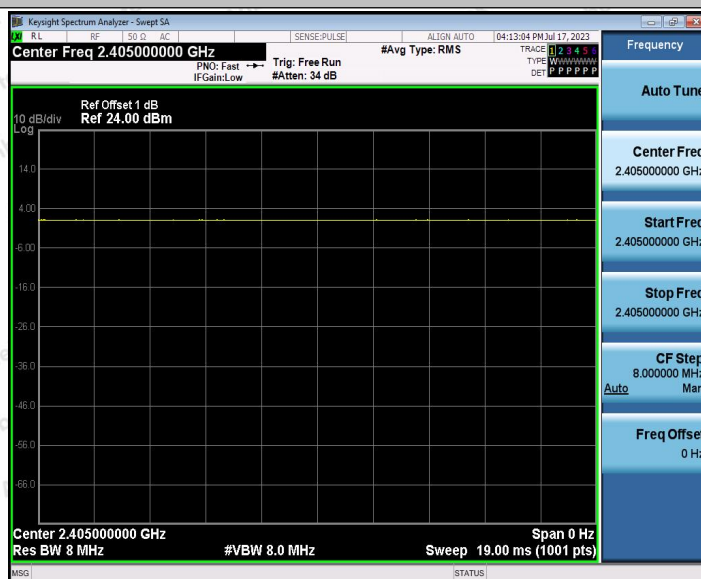
Test Result

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
		2440	19.00	19.00	100	0.00
		2470	19.00	19.00	100	0.00

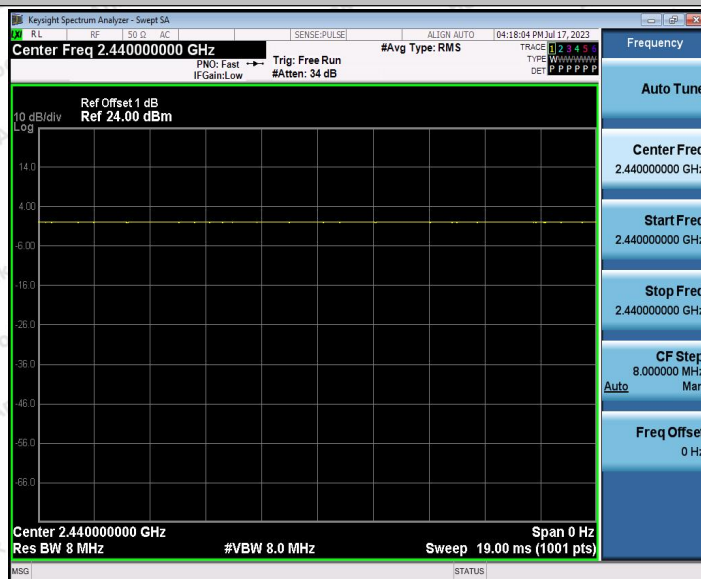


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2440



2.4G_Ant1_2470

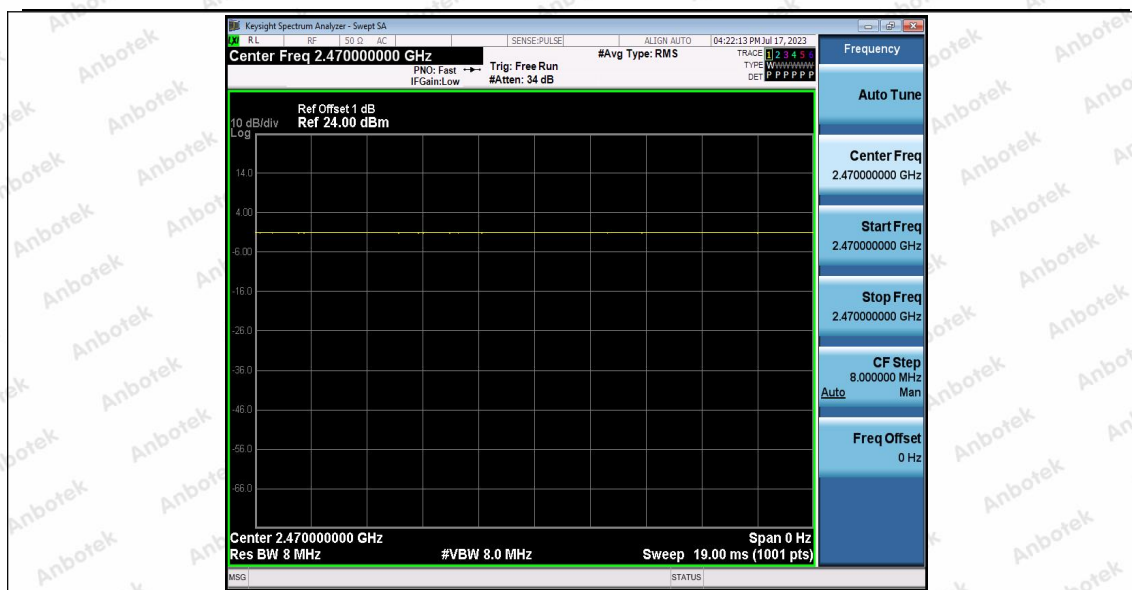
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