

Appendix Test Data

Report No.:	18220WC30085201	Test Sample No.:	1-2-2
Start Test Date:	2023.05.11	Finish Test Date:	2023.05.15
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	57%
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	0.972	2404.524	2405.496	0.5	PASS
		2430	0.884	2429.596	2430.480	0.5	PASS
		2470	0.864	2469.612	2470.476	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	1.1830	2404.4121	2405.5951
		2430	1.2102	2429.3971	2430.6073
		2470	1.1972	2469.4075	2470.6047



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

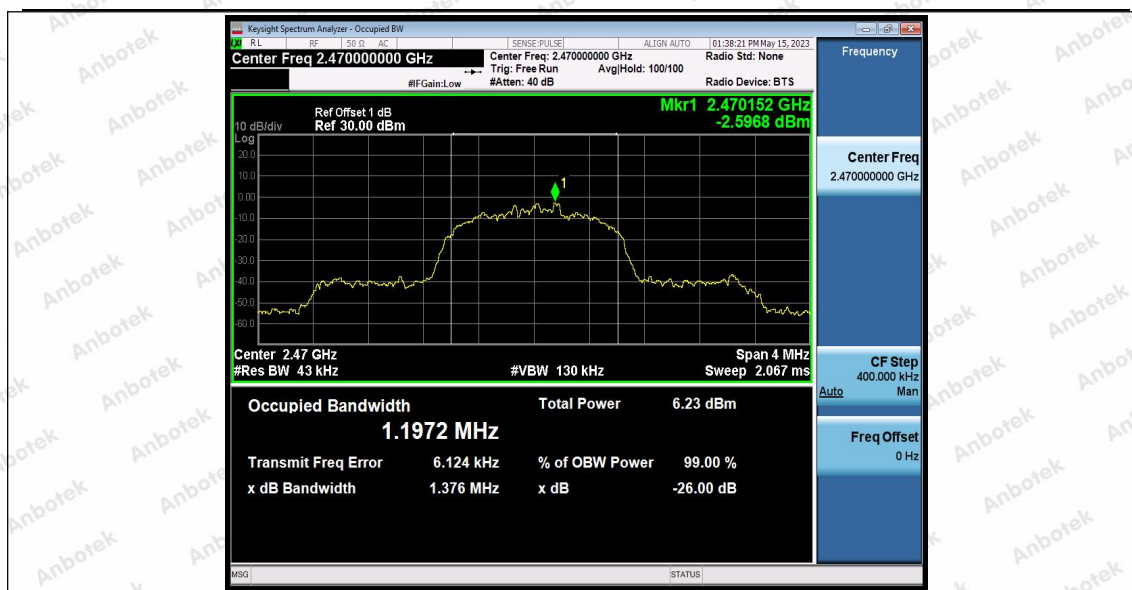
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	2.07	≤30	PASS
		2430	1.98	≤30	PASS
		2470	0.46	≤30	PASS

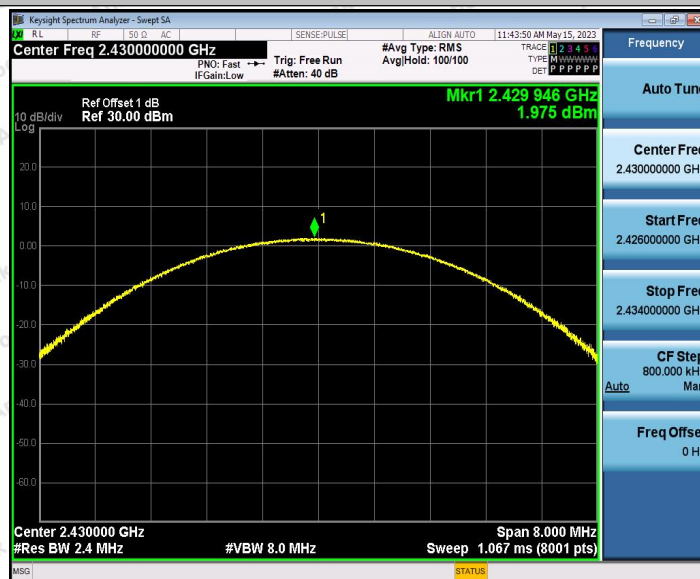


Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

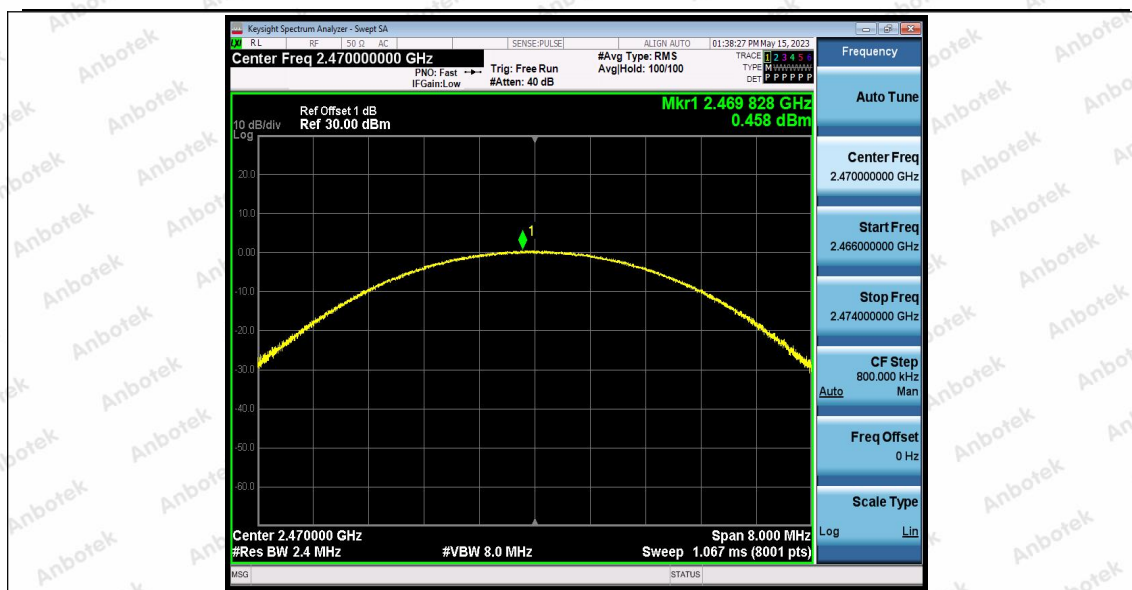
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-13.92	≤8.00	PASS
		2430	-13.98	≤8.00	PASS
		2470	-15.48	≤8.00	PASS

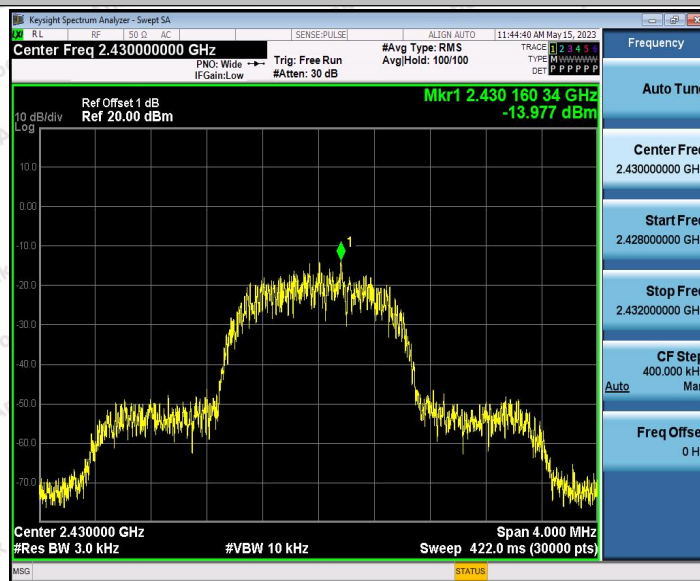


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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Appendix E: Band edge measurements

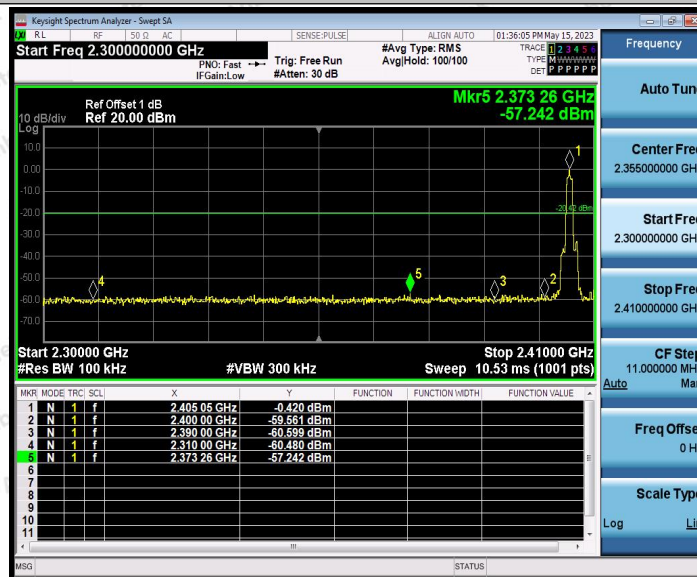
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-0.42	-57.24	≤-20.42	PASS
		High	2470	-3.26	-56.74	≤-23.26	PASS

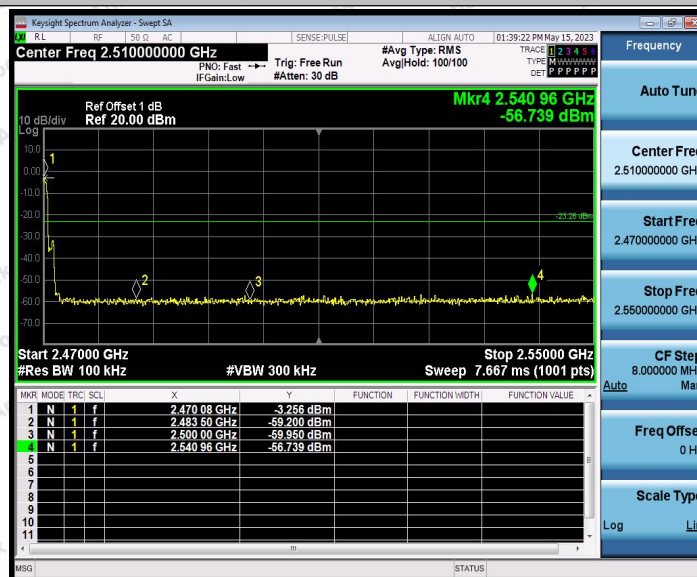


Test Graphs

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	-0.41	-0.41	---	PASS
			30~1000	-0.41	-70.25	≤-20.41	PASS
			1000~26500	-0.41	-53.33	≤-20.41	PASS
		2430	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-70.16	≤-23.05	PASS
			1000~26500	-3.05	-53.25	≤-23.05	PASS
		2470	Reference	-3.69	-3.69	---	PASS
			30~1000	-3.69	-69.12	≤-23.69	PASS
			1000~26500	-3.69	-52.52	≤-23.69	PASS

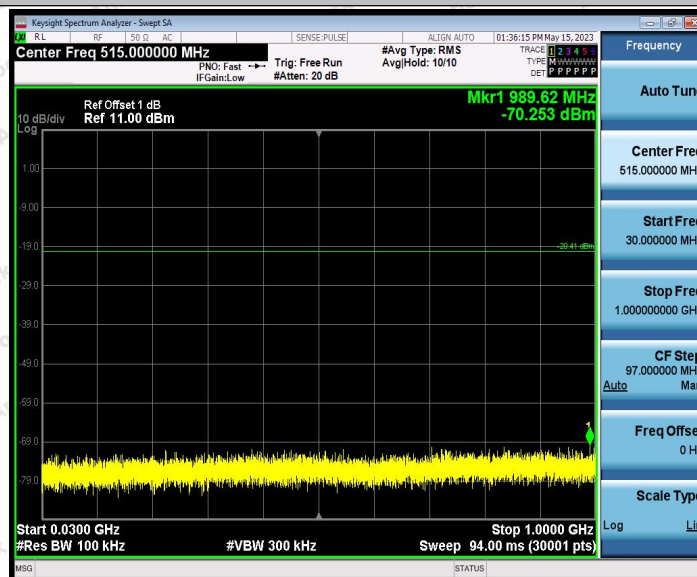


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

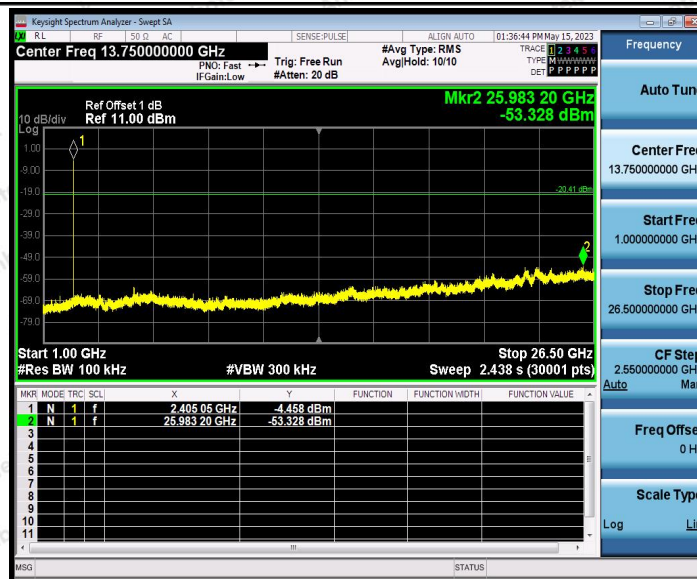
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2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000

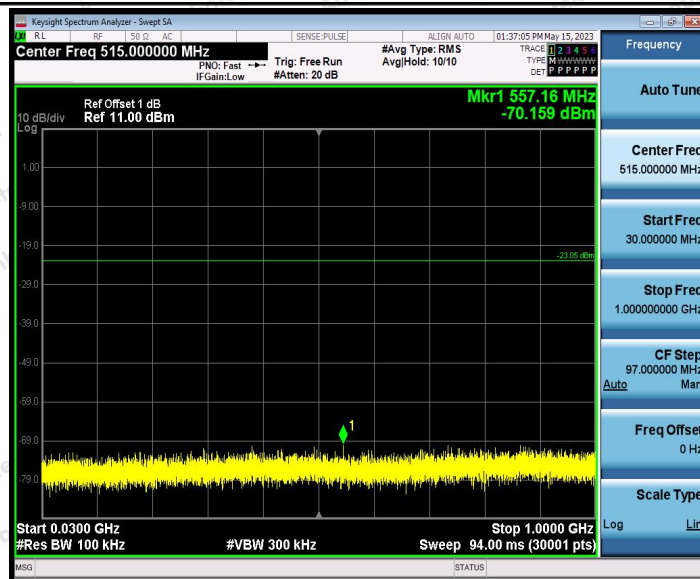
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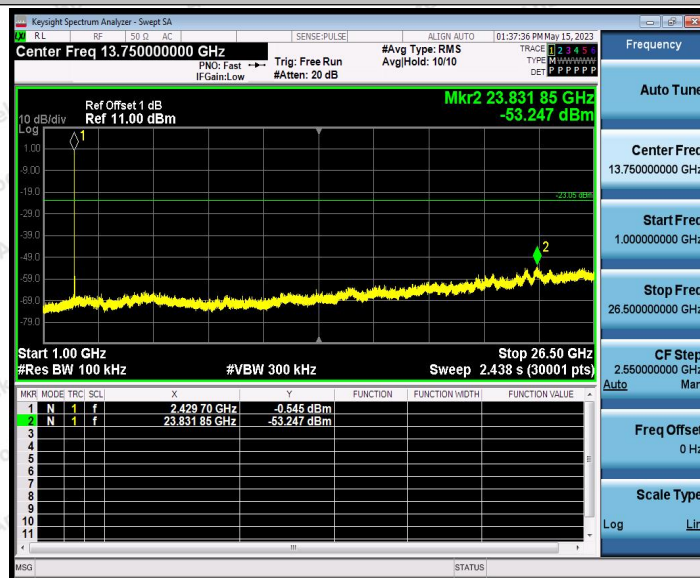


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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference

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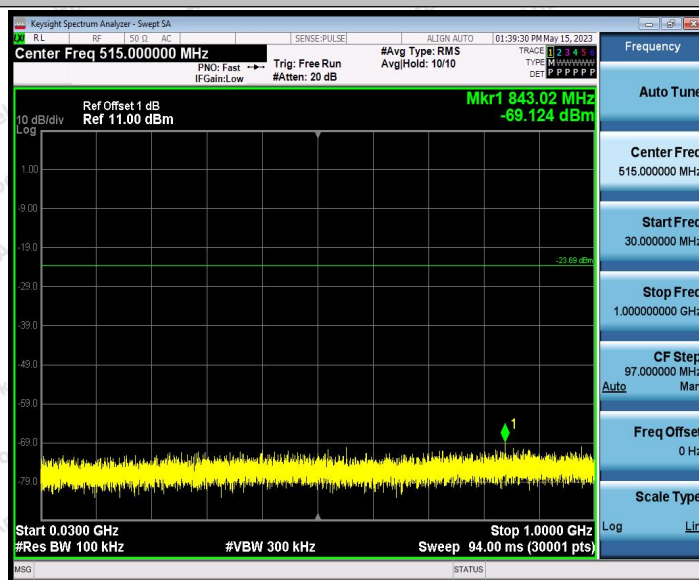


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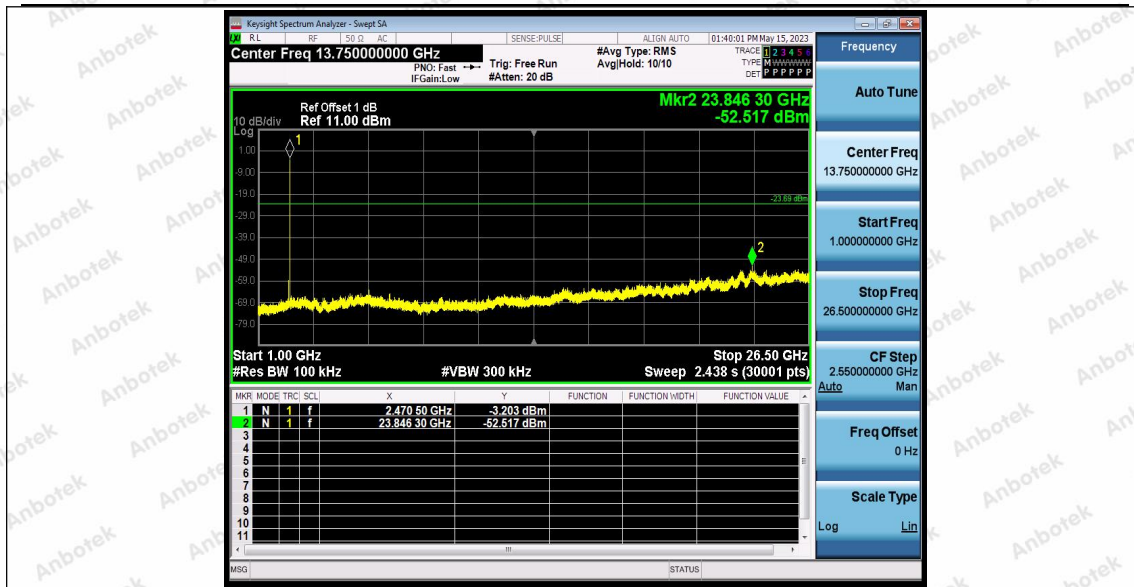


2.4G_Ant1_2470_30~1000



2.4G_Ant1_2470_1000~26500



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Appendix G: Duty Cycle

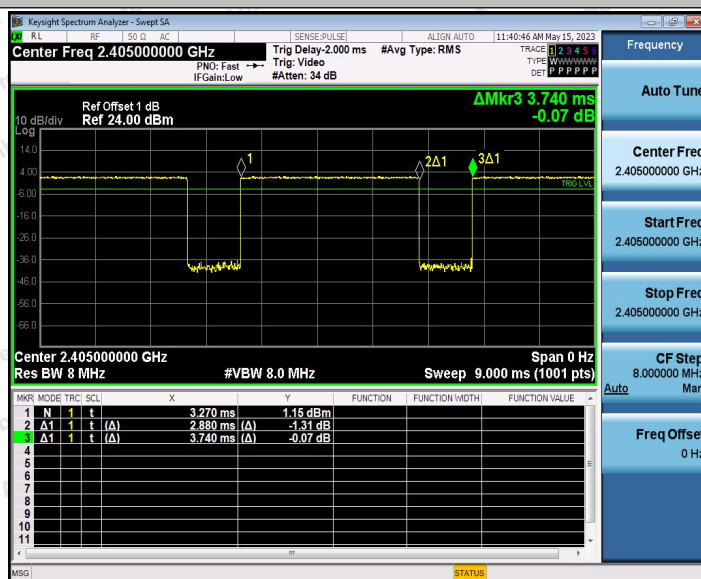
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	2.88	3.74	77.01	1.13
		2430	2.89	3.75	77.07	1.13
		2470	2.89	3.75	77.07	1.13



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

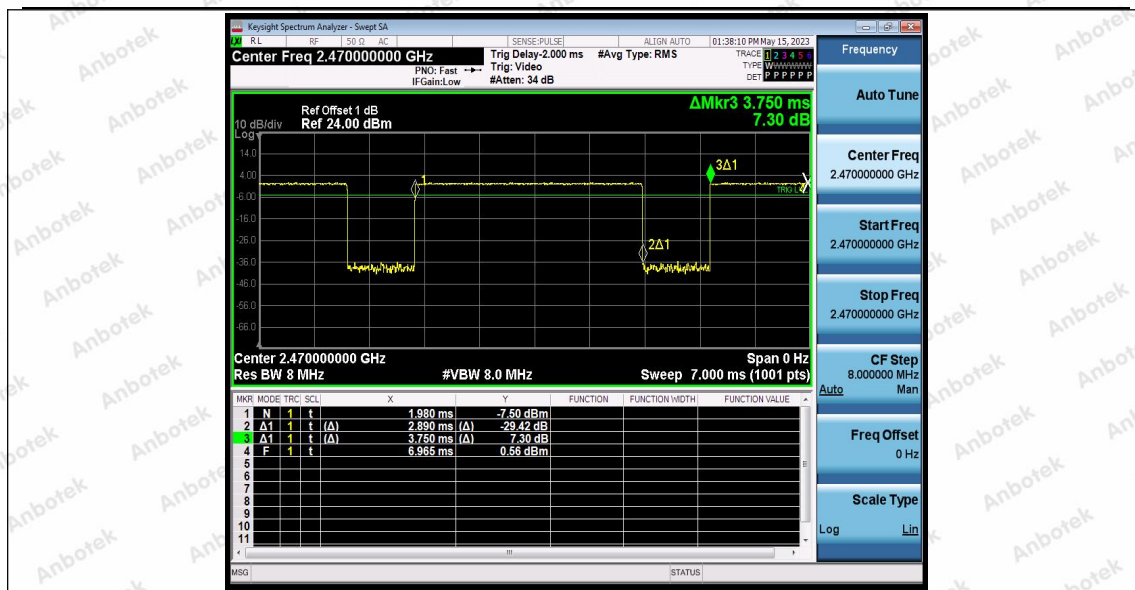
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