

Appendix Test Data

Report No.:	18220WC30002003	Test Sample No.:	1-2-2
Start Test Date:	2023.1.5	Finish Test Date:	2023.1.11
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
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	2402	0.744	2401.556	2402.300	0.5	PASS
		2446	0.816	2445.568	2446.384	0.5	PASS
		2479	0.820	2478.572	2479.392	0.5	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2402	1.2354	2401.2793	2402.5147
		2446	1.3444	2445.1944	2446.5388
		2479	1.2300	2478.3113	2479.5413



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2402	0.52	≤30	PASS
		2446	1.29	≤30	PASS
		2479	1.85	≤30	PASS



Test Graphs Peak

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2402	-12.03	≤8.00	PASS
		2446	-11.48	≤8.00	PASS
		2479	-10.96	≤8.00	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix E: Band edge measurements

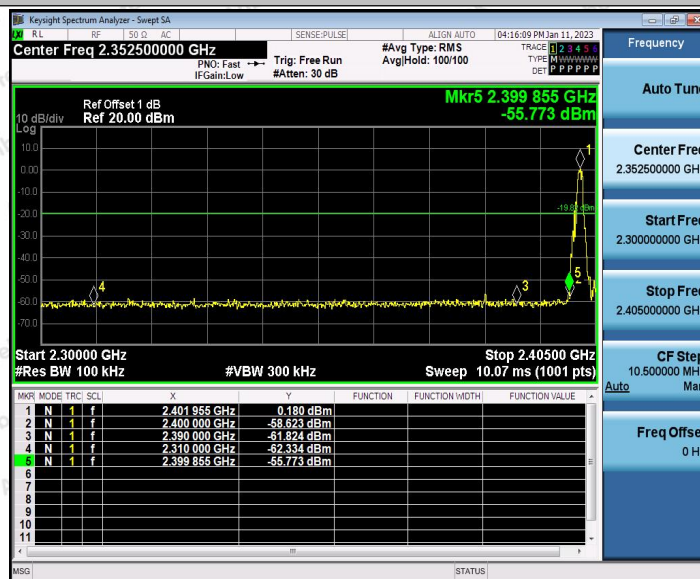
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2402	0.18	-55.77	≤-19.82	PASS
		High	2479	2.01	-54.31	≤-17.99	PASS

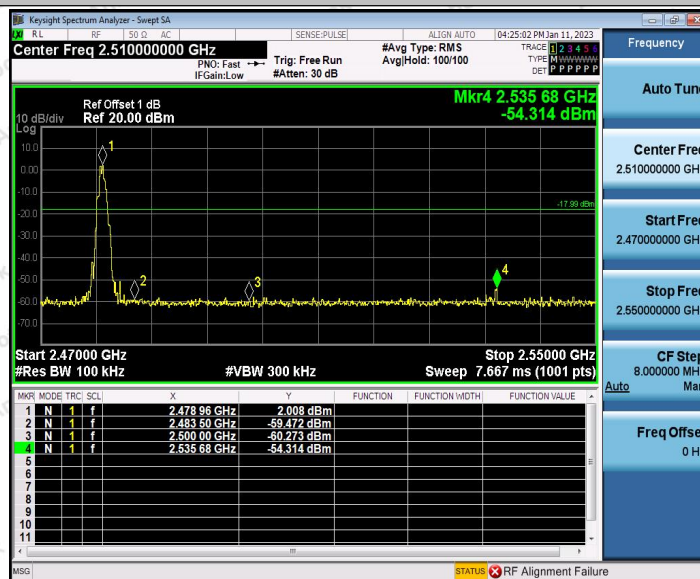


Test Graphs

2.4g_Ant1_Low_2402



2.4g_Ant1_High_2479



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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	2402	Reference	0.39	0.39	---	PASS
			30~1000	0.39	-48.82	≤-19.61	PASS
			1000~26500	0.39	-37.72	≤-19.61	PASS
		2446	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-49.02	≤-18.83	PASS
			1000~26500	1.17	-36.4	≤-18.83	PASS
		2479	Reference	1.79	1.79	---	PASS
			30~1000	1.79	-48.15	≤-18.21	PASS
			1000~26500	1.79	-39.24	≤-18.21	PASS

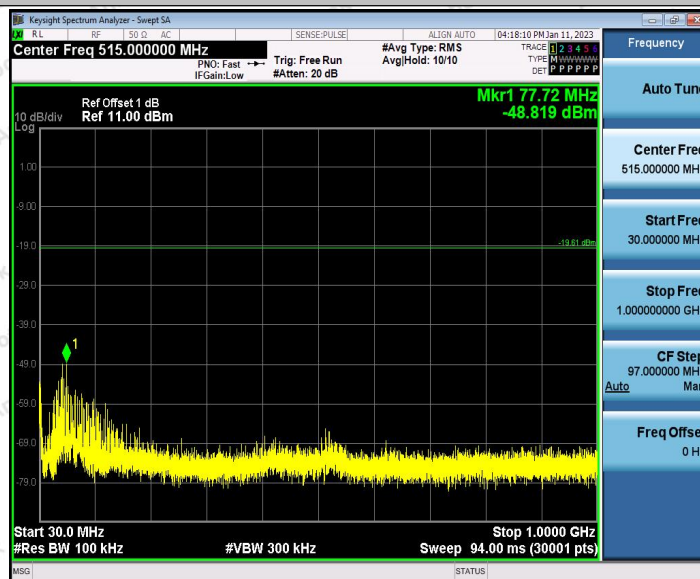


Test Graphs

2.4g_Ant1_2402_0~Reference



2.4g_Ant1_2402_30~1000



2.4g_Ant1_2402_1000~26500

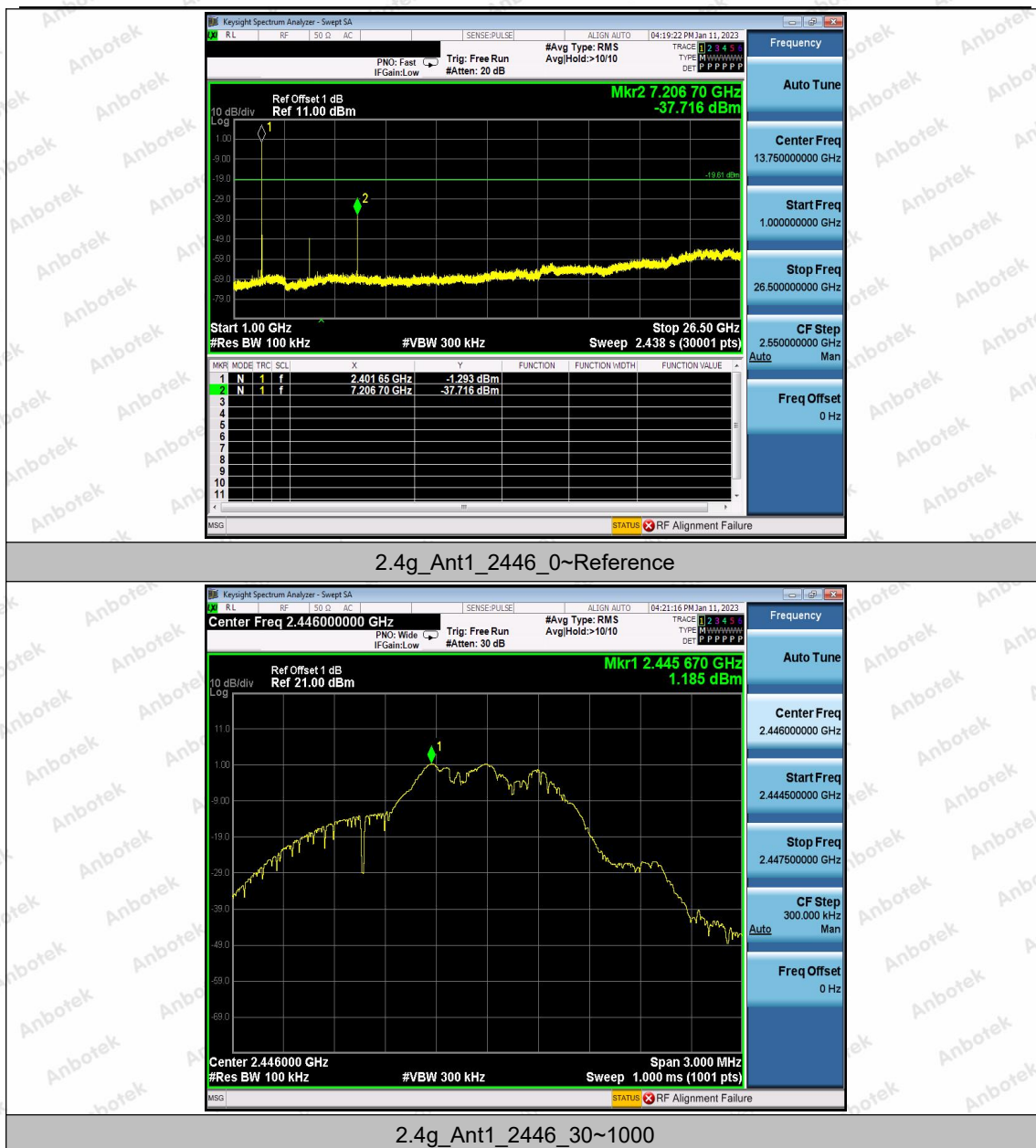
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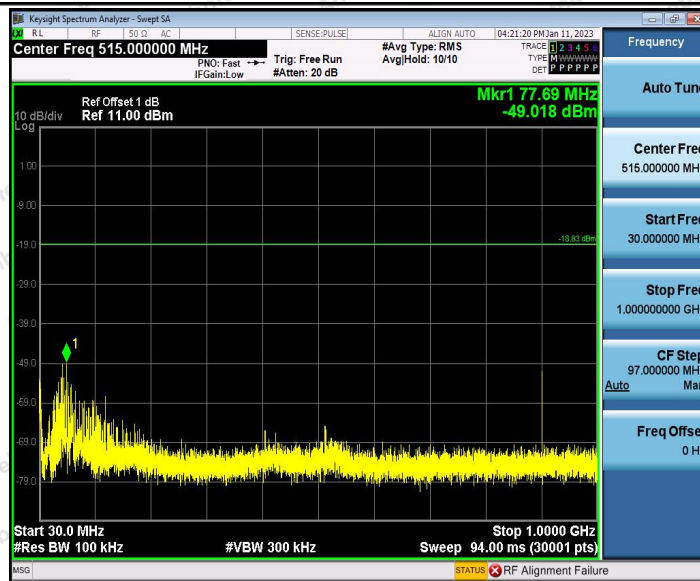
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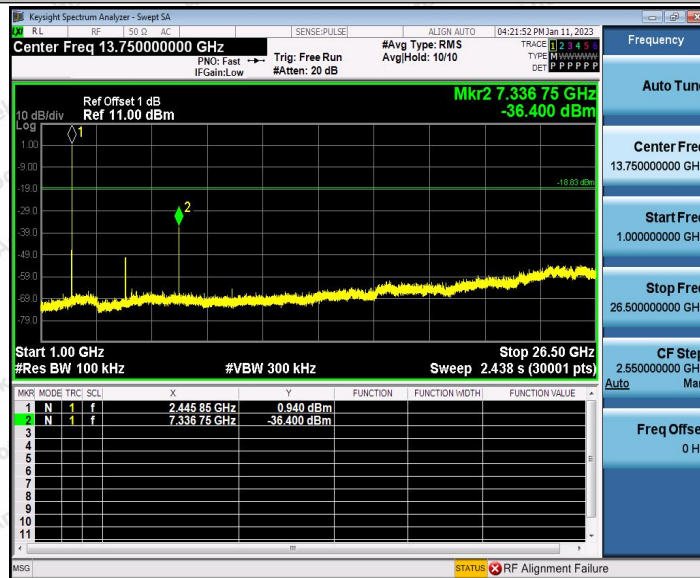


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2.4g_Ant1_2446_1000~26500



2.4g_Ant1_2479_0~Reference

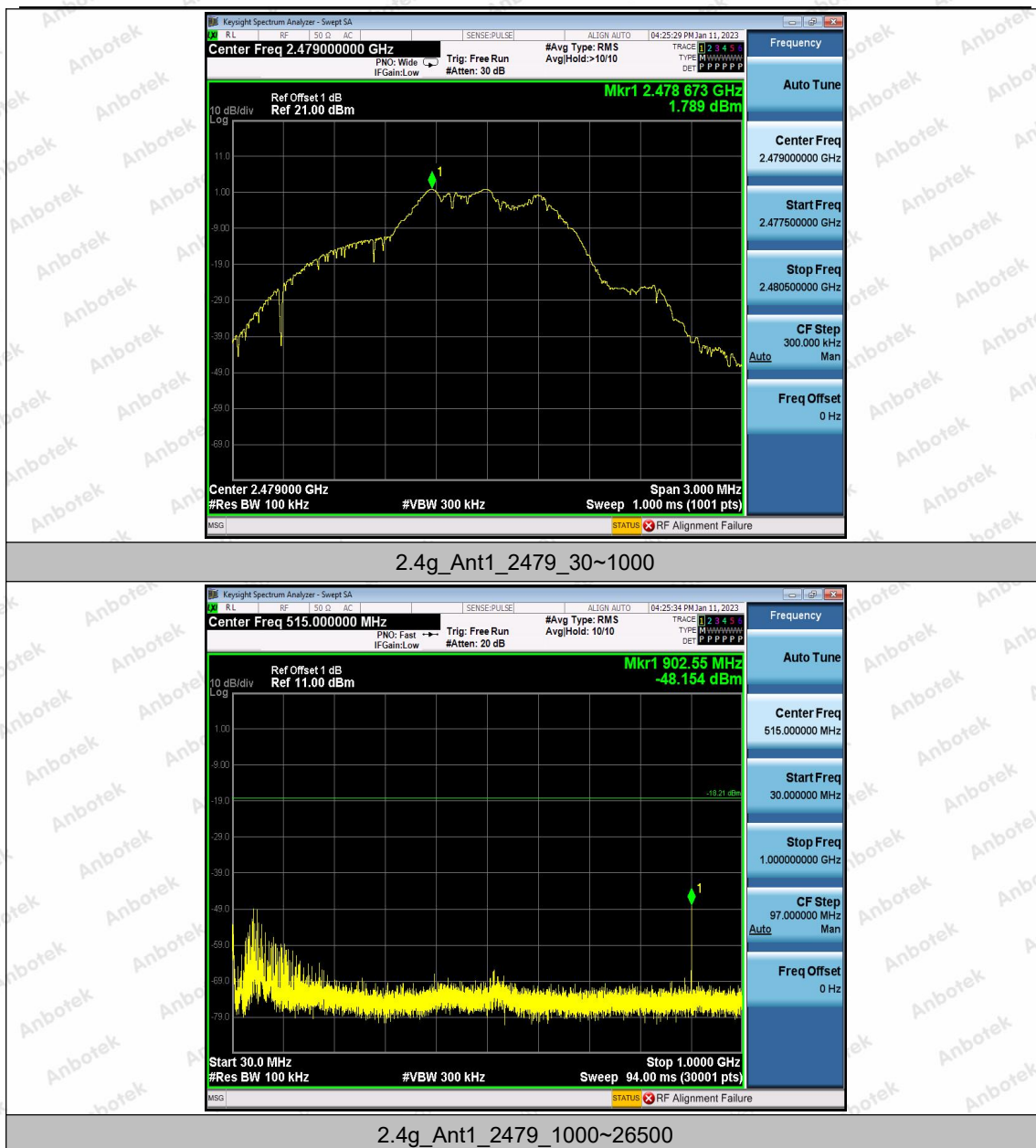
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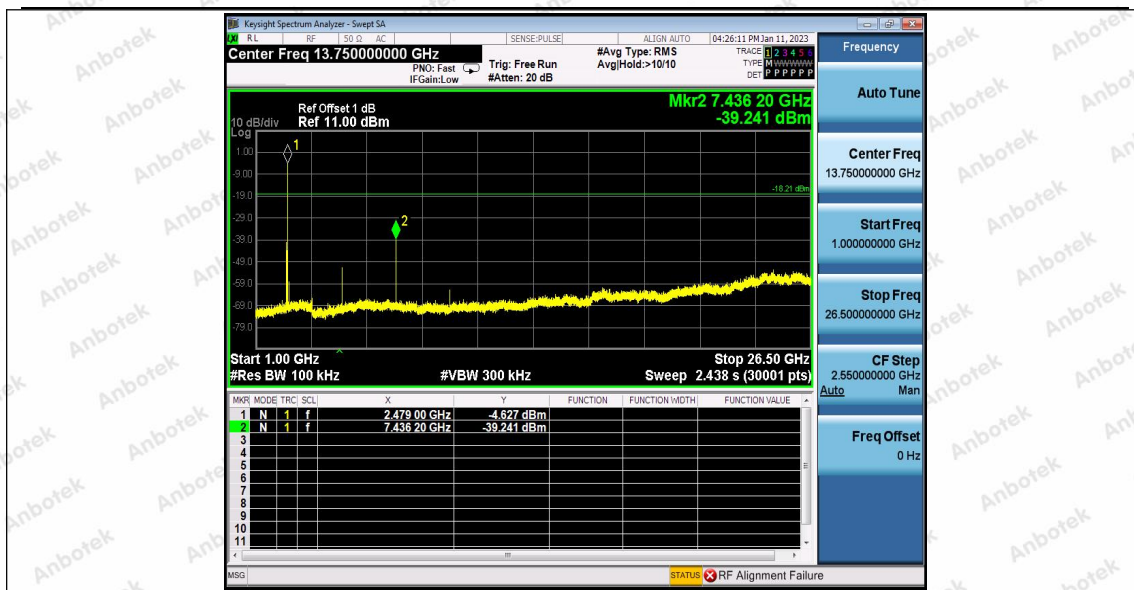
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Appendix G: Duty Cycle

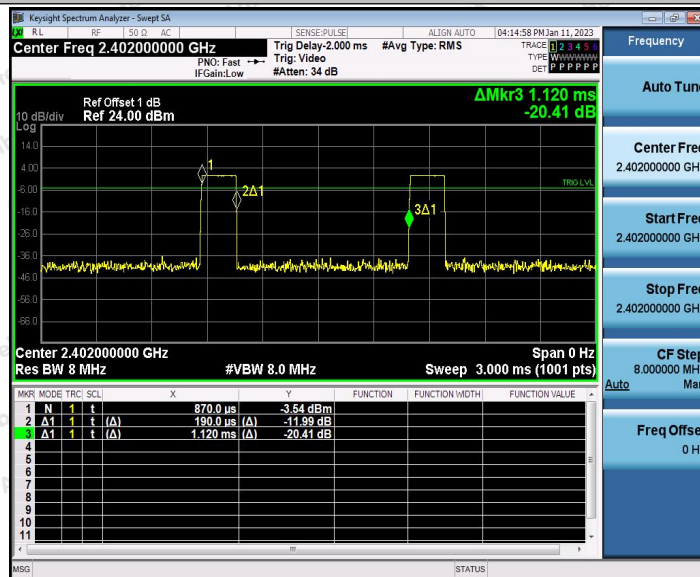
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4g	Ant1	2402	0.19	1.12	16.96	7.71
		2446	0.19	1.14	16.67	7.78
		2479	0.20	1.13	17.70	7.52

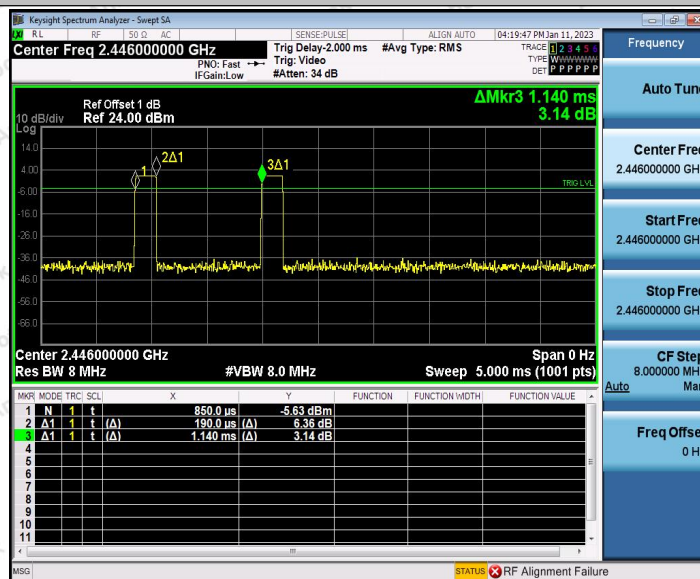


Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

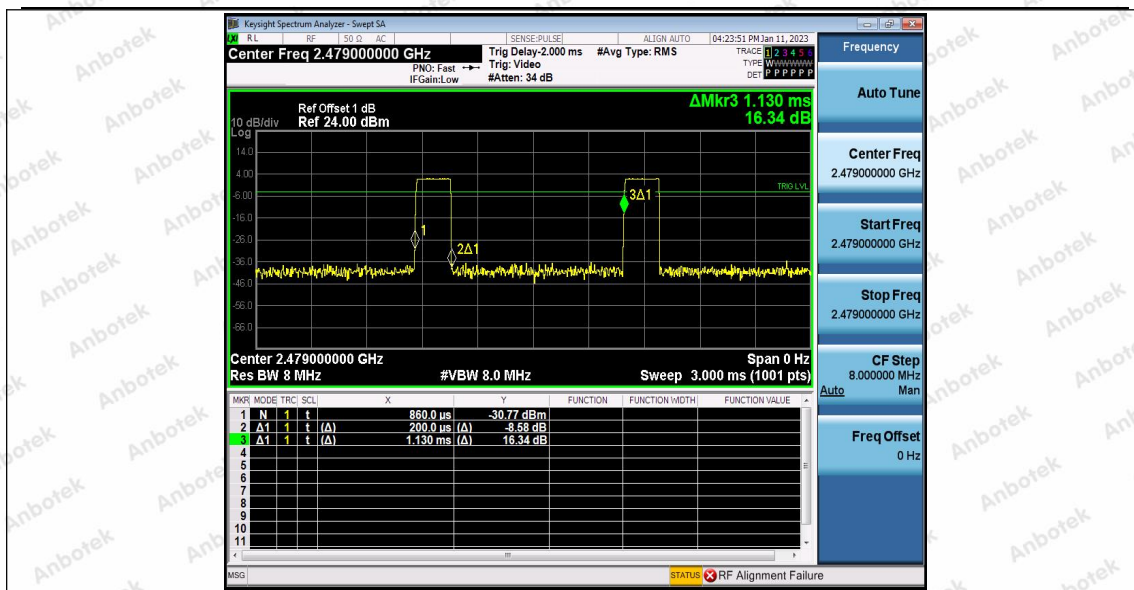
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