

Appendix Test Data

Report No.:	18220WC30013803	Test Sample No.:	1-2-2
Start Test Date:	2023.2.4	Finish Test Date:	2023.2.13
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	2404	1.244	2403.336	2404.580	0.5	PASS
		2440	1.160	2439.424	2440.584	0.5	PASS
		2478	1.232	2477.364	2478.596	0.5	PASS



Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2440



2.4g_Ant1_2478

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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	2404	2.0736	2402.9800	2405.0536
		2440	2.0670	2438.9833	2441.0503
		2478	2.0847	2476.9751	2479.0598



Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2440



2.4g_Ant1_2478

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Appendix C: Maximum conducted output power

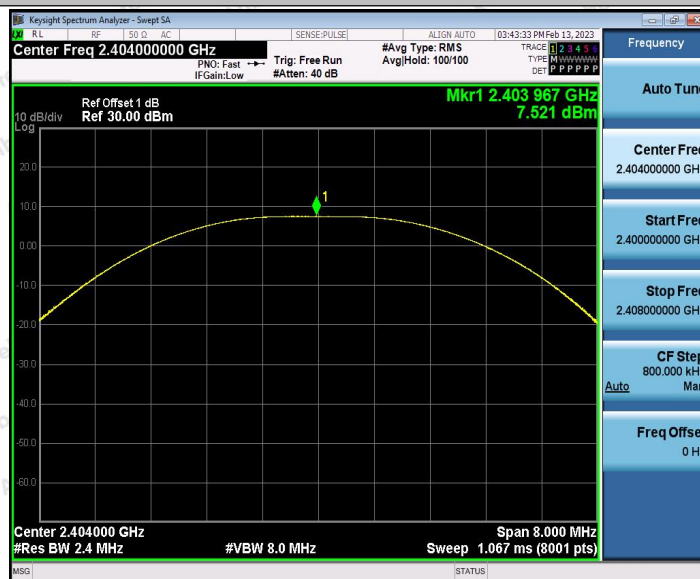
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2404	7.52	≤30	PASS
		2440	7.54	≤30	PASS
		2478	7.62	≤30	PASS



Test Graphs Peak

2.4g_Ant1_2404



2.4g_Ant1_2440



2.4g_Ant1_2478

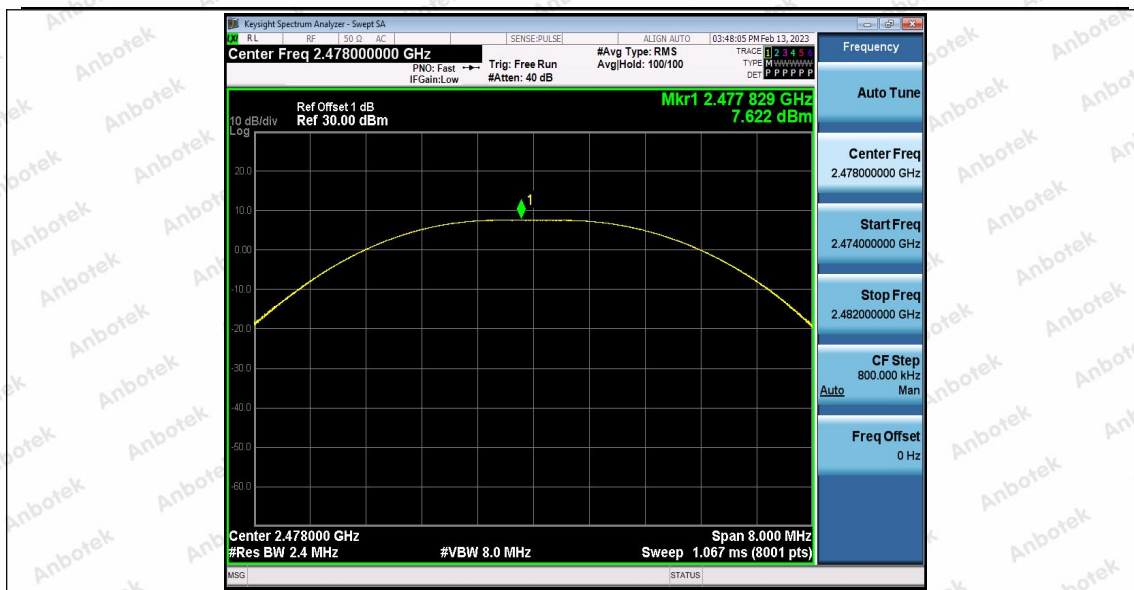
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Appendix D: Maximum power spectral density

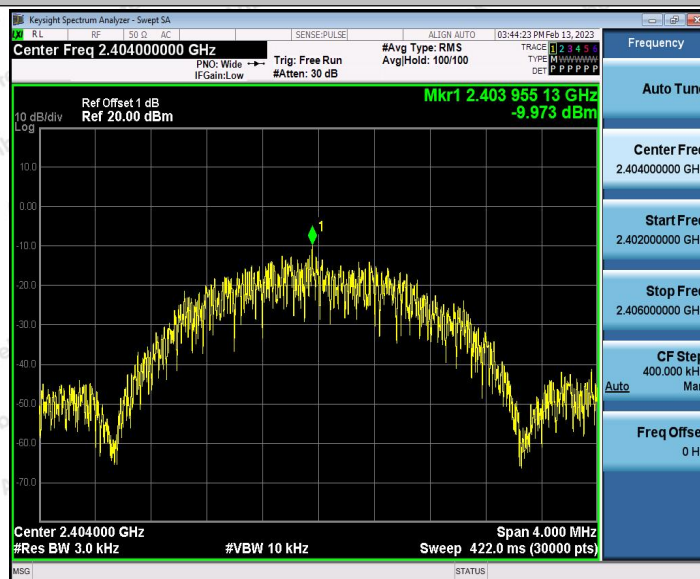
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2404	-9.97	≤8.00	PASS
		2440	-9.92	≤8.00	PASS
		2478	-9.9	≤8.00	PASS

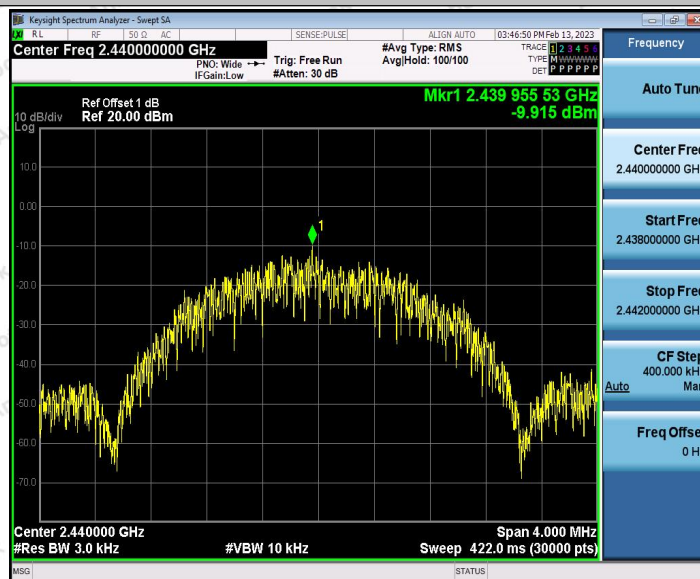


Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2440



2.4g_Ant1_2478

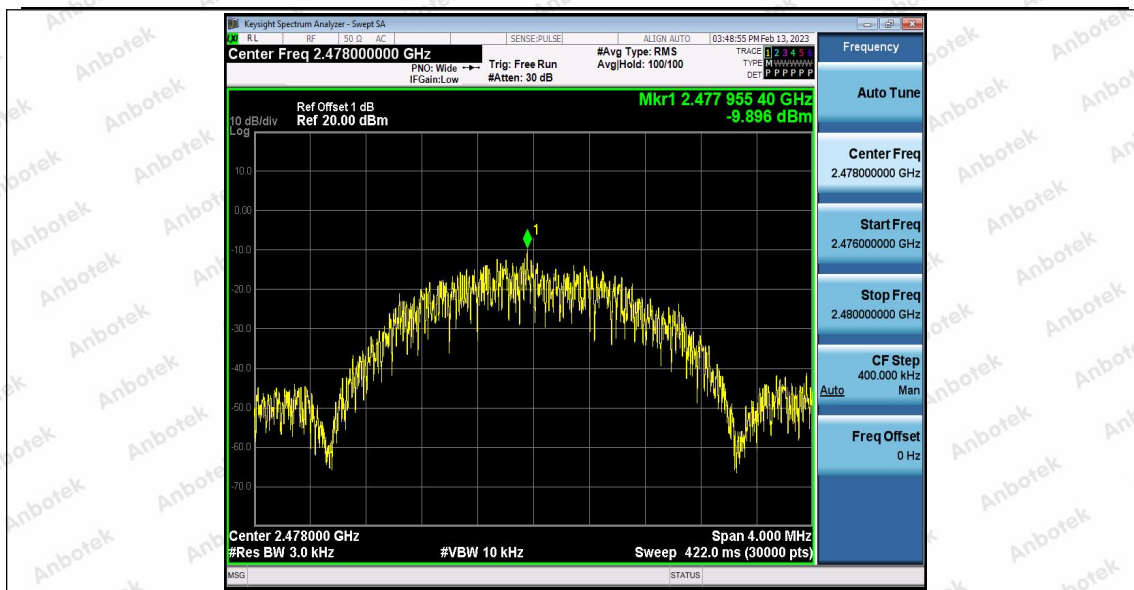
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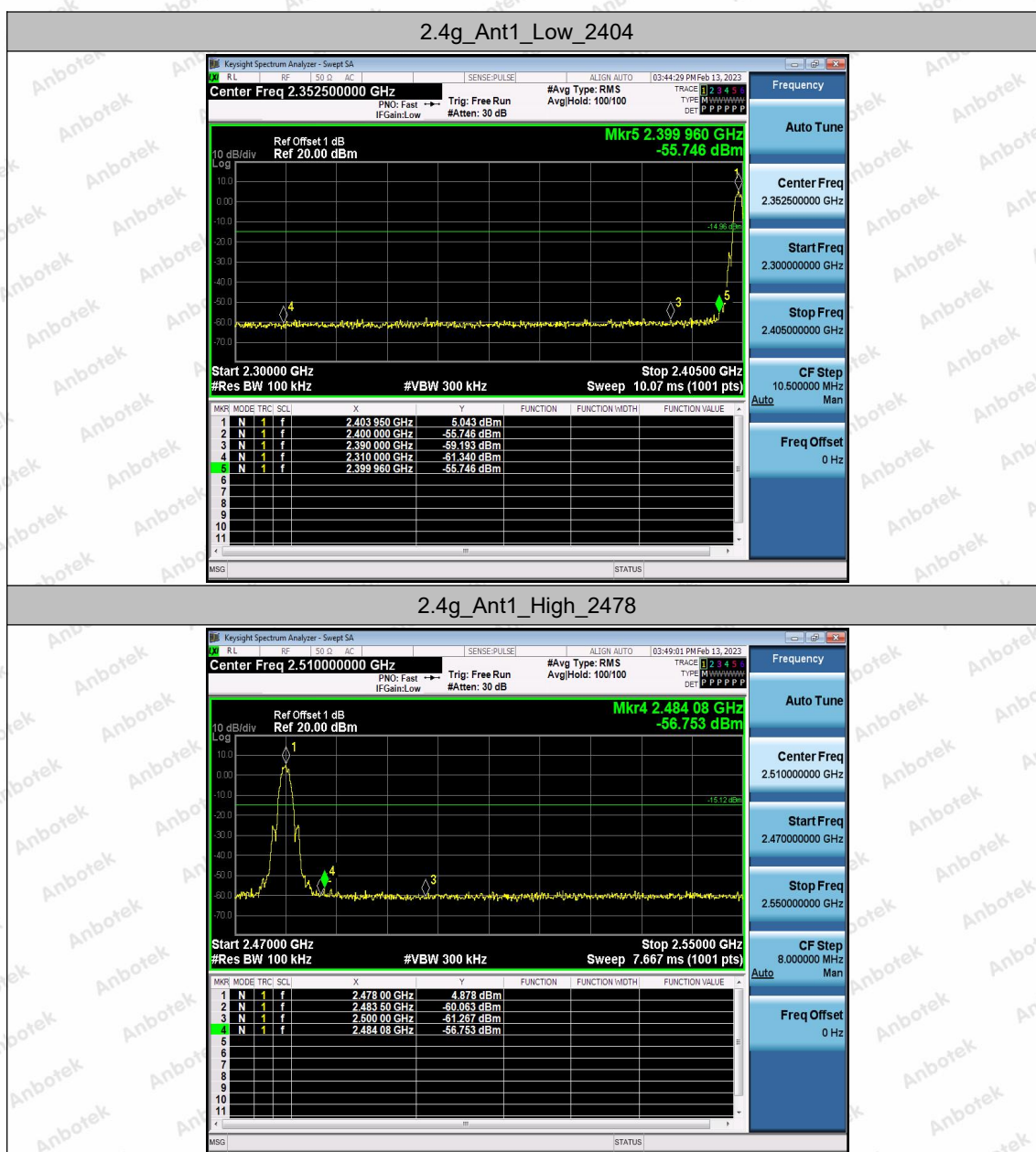


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2404	5.04	-55.75	≤-14.96	PASS
		High	2478	4.88	-56.75	≤-15.12	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	2404	Reference	5.57	5.57	---	PASS
			30~1000	5.57	-68.56	≤-14.43	PASS
			1000~26500	5.57	-53.77	≤-14.43	PASS
		2440	Reference	4.06	4.06	---	PASS
			30~1000	4.06	-68.8	≤-15.94	PASS
			1000~26500	4.06	-53.53	≤-15.94	PASS
		2478	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-69.32	≤-15.92	PASS
			1000~26500	4.08	-53.04	≤-15.92	PASS

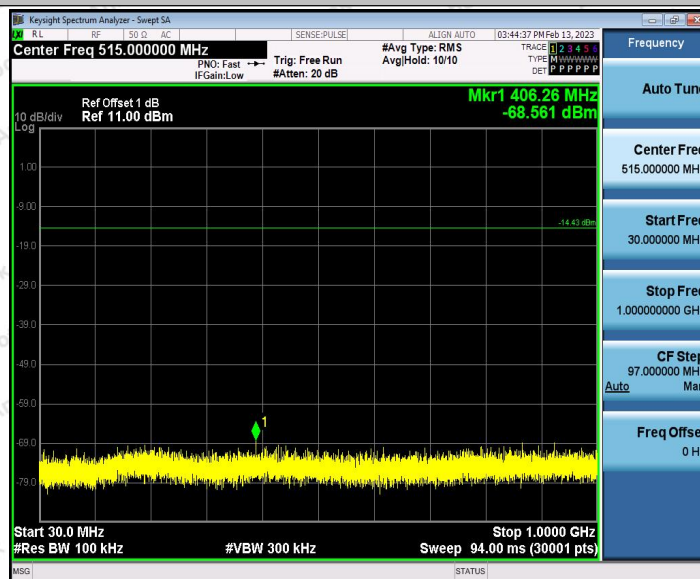


Test Graphs

2.4g_Ant1_2404_0~Reference



2.4g_Ant1_2404_30~1000



2.4g_Ant1_2404_1000~26500

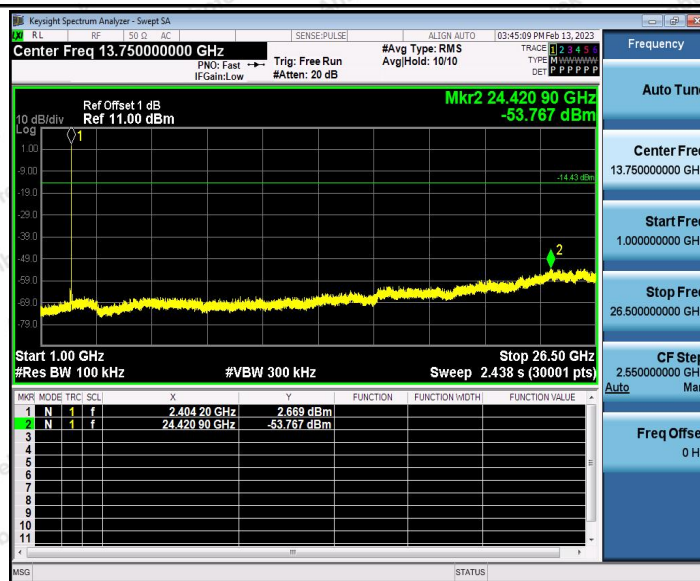
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2.4g_Ant1_2440_0~Reference



2.4g_Ant1_2440_30~1000

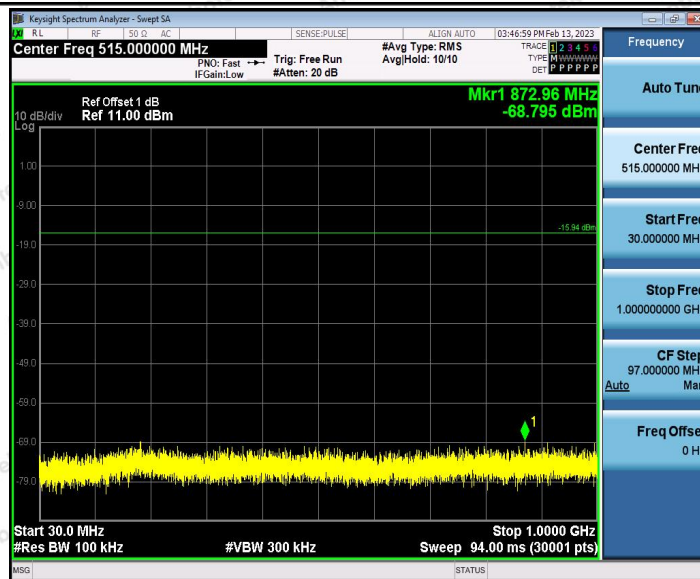
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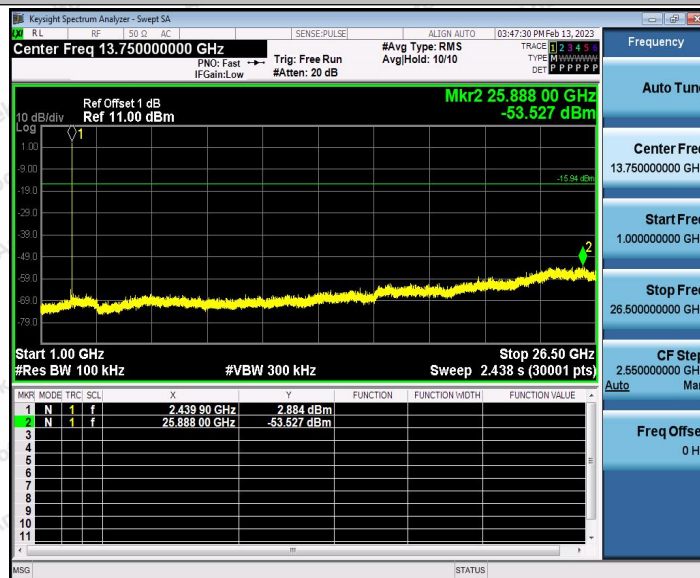


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2.4g_Ant1_2440_1000~26500



2.4g_Ant1_2478_0~Reference

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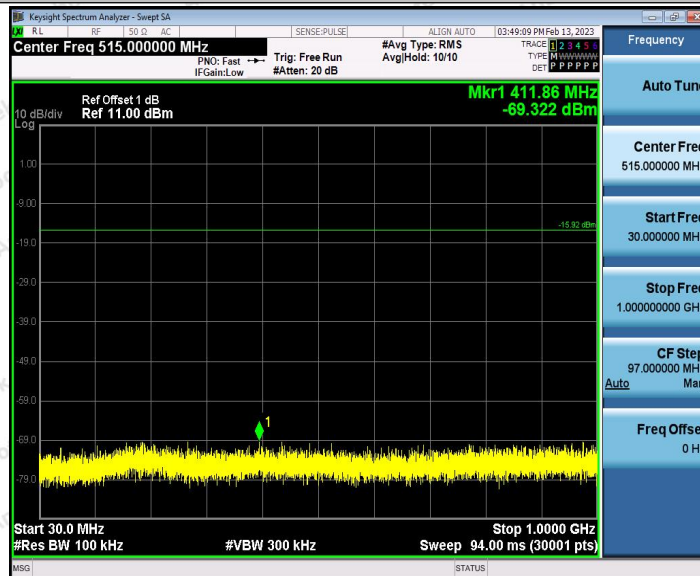


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2.4g_Ant1_2478_30~1000



2.4g_Ant1_2478_1000~26500

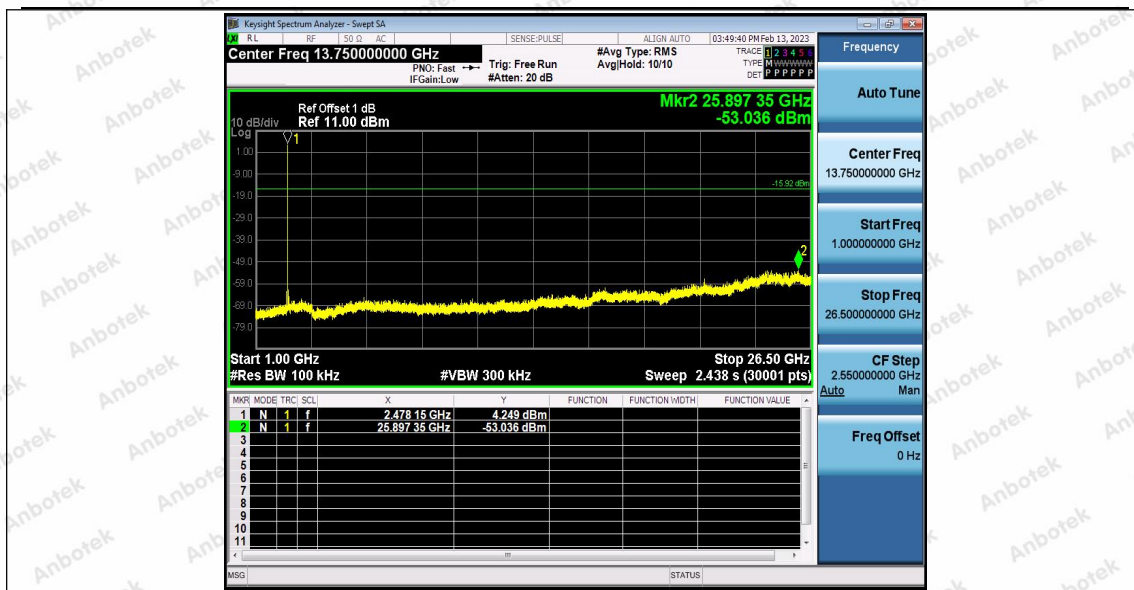
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Appendix G: Duty Cycle

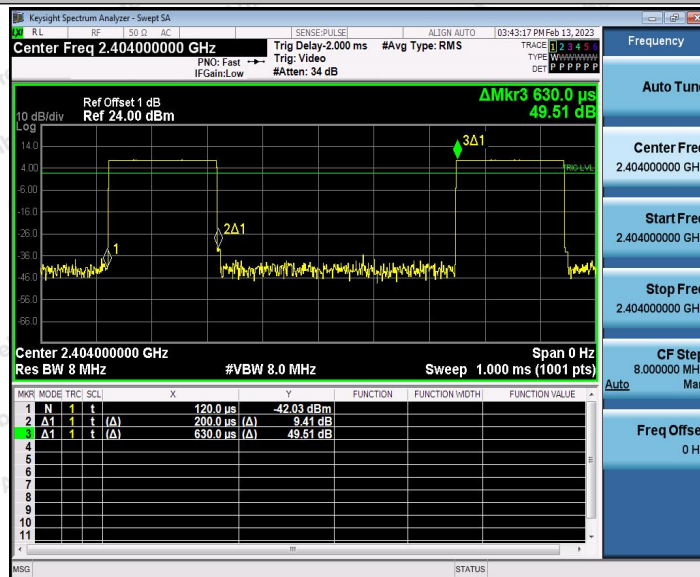
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4g	Ant1	2404	0.20	0.63	31.75	4.98
		2440	0.20	0.63	31.75	4.98
		2478	0.20	0.63	31.75	4.98

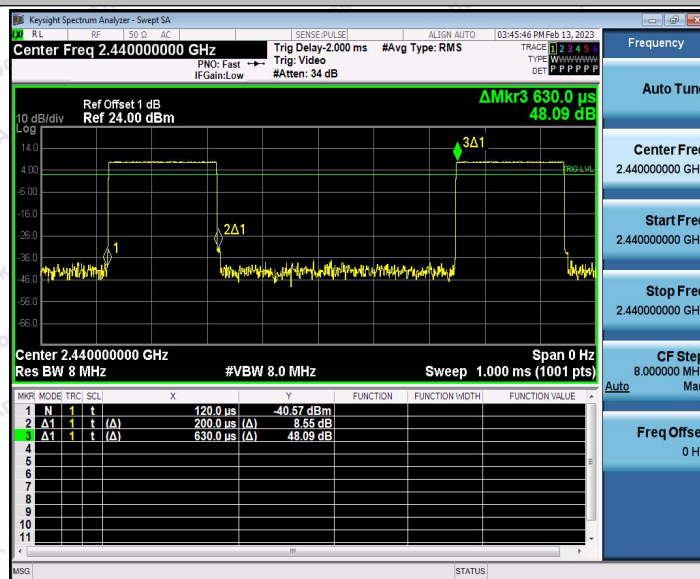


Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2440



2.4g_Ant1_2478

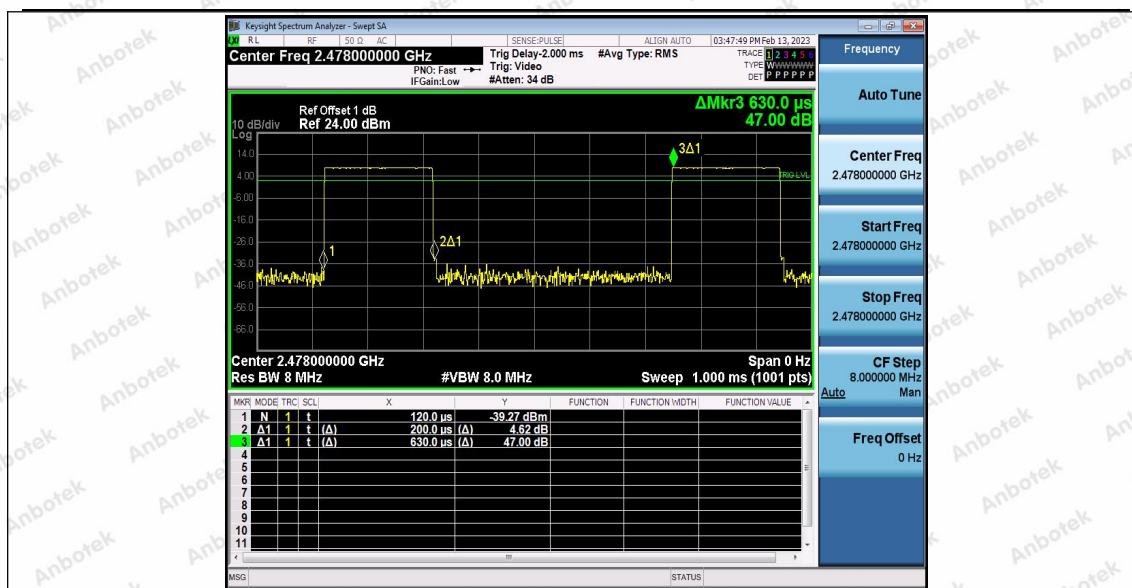
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