

Appendix Test Data

Report No.:	18220WC40055402	Test Sample No.:	1-2-2
Start Test Date:	2024.3.28	Finish Test Date:	2024.5.15
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

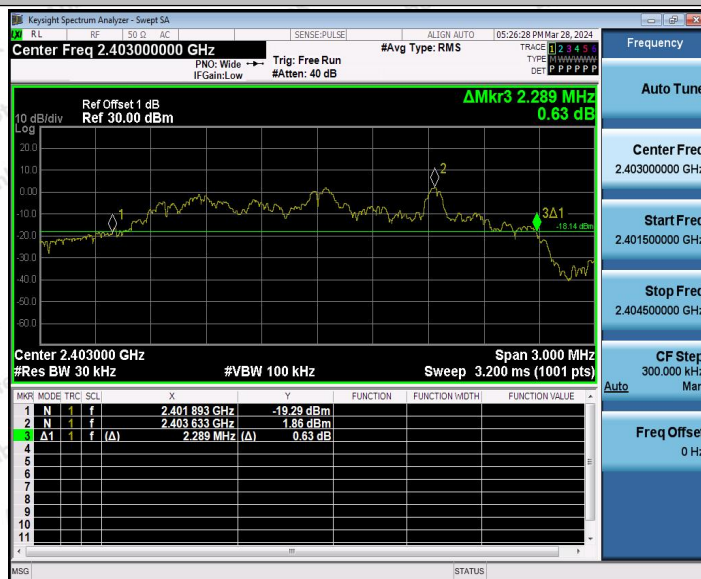
Test Result

Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.289	2401.893	2404.182	---	---
		2441	2.304	2439.872	2442.176	---	---
		2480	2.271	2478.896	2481.167	---	---



Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480

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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2101	2401.8776	2404.0877	---	---
		2441	2.2017	2439.8732	2442.0749	---	---
		2480	2.2069	2478.8815	2481.0884	---	---

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Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480

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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	2403	4.98	≤20.97	PASS
		2441	4.94	≤20.97	PASS
		2480	4.82	≤20.97	PASS



Test Graphs

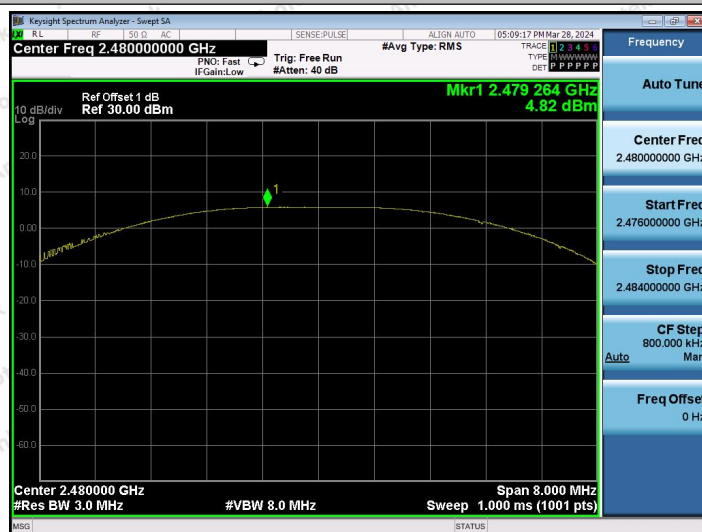
2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480



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Appendix D: Carrier Frequency Separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.536	PASS

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Test Graphs



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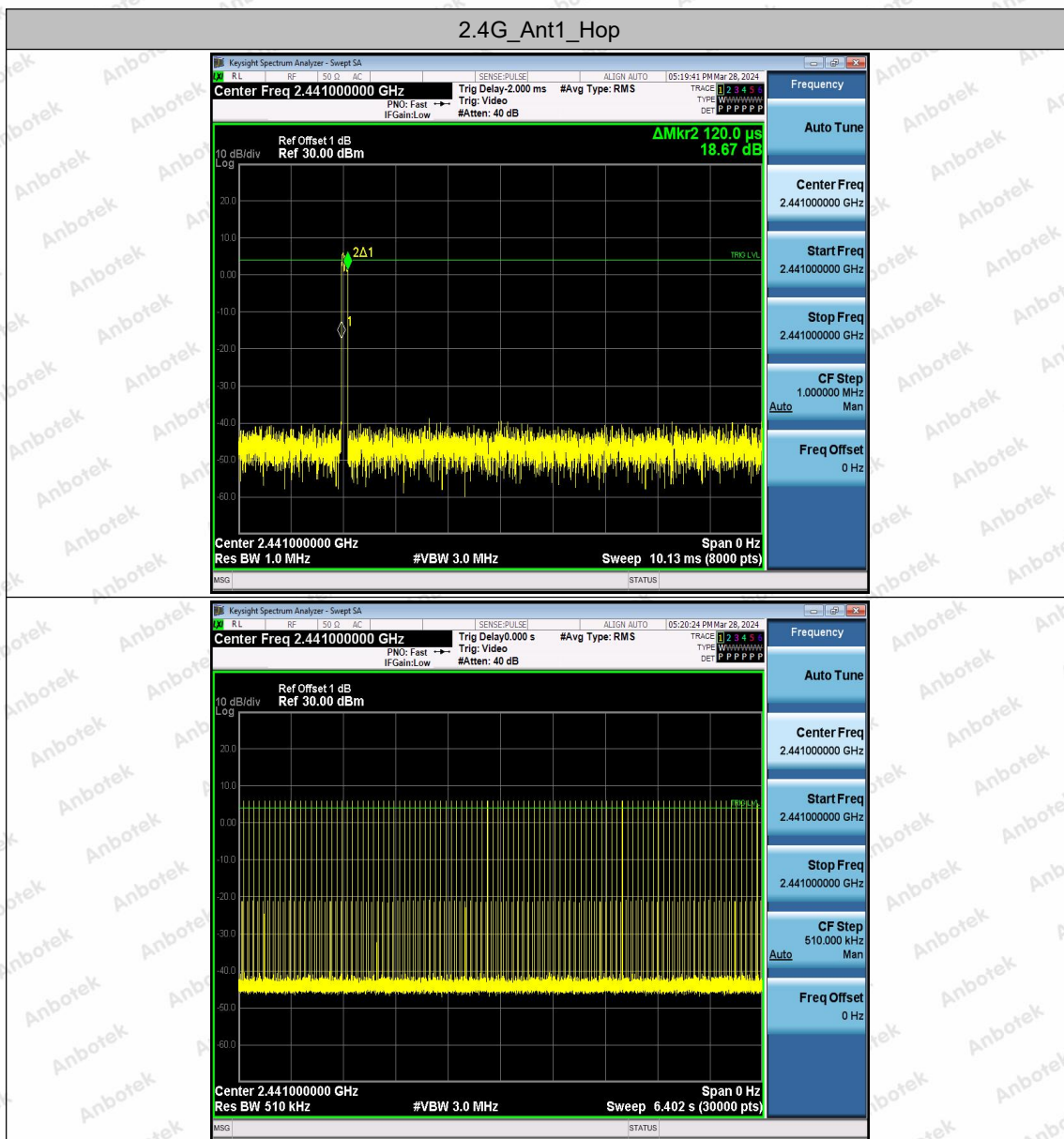
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.12	101	0.012	≤0.4	PASS



Test Graphs



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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

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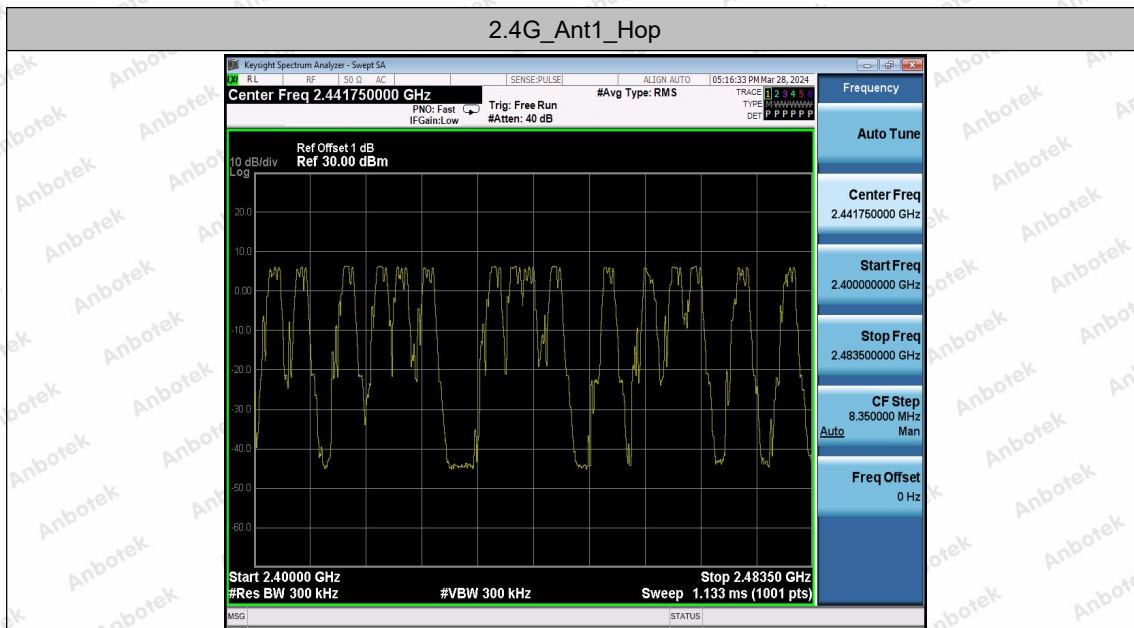
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Test Graphs



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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	5.92	-43.04	≤-14.09	PASS
		High	2480	5.60	-55.41	≤-14.41	PASS
		Low	Hop_2402	5.14	-57.08	≤-14.86	PASS
		High	Hop_2480	5.86	-55.45	≤-14.14	PASS

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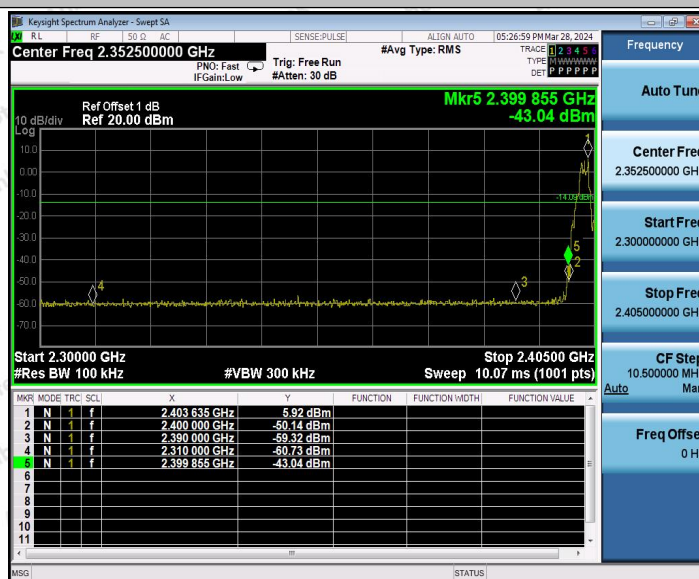


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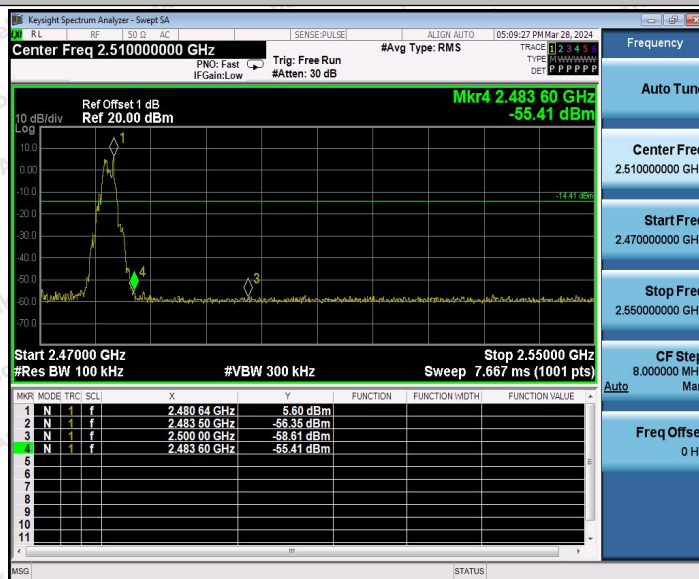


Test Graphs

2.4G_Ant1_Low_2403



2.4G_Ant1_High_2480



2.4G_Ant1_Low_Hop_2402

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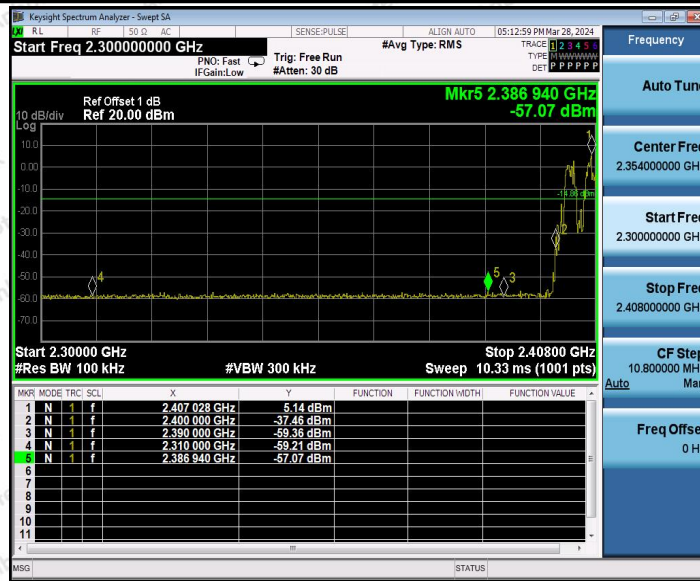
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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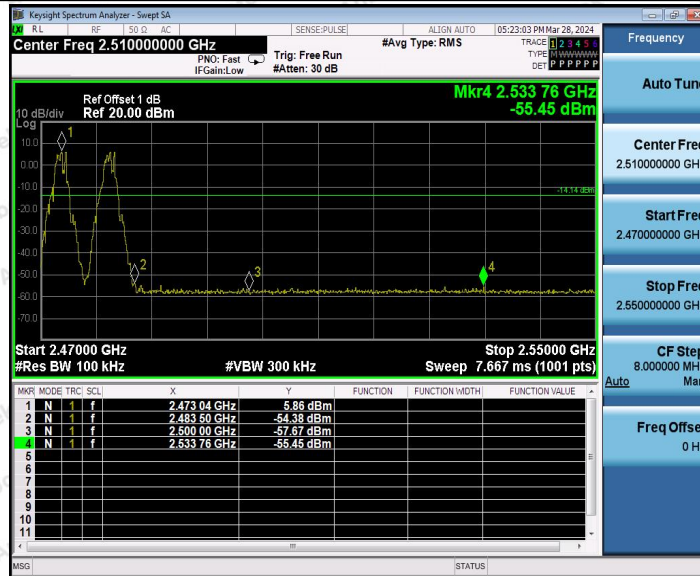
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2.4G_Ant1_High_Hop_2480



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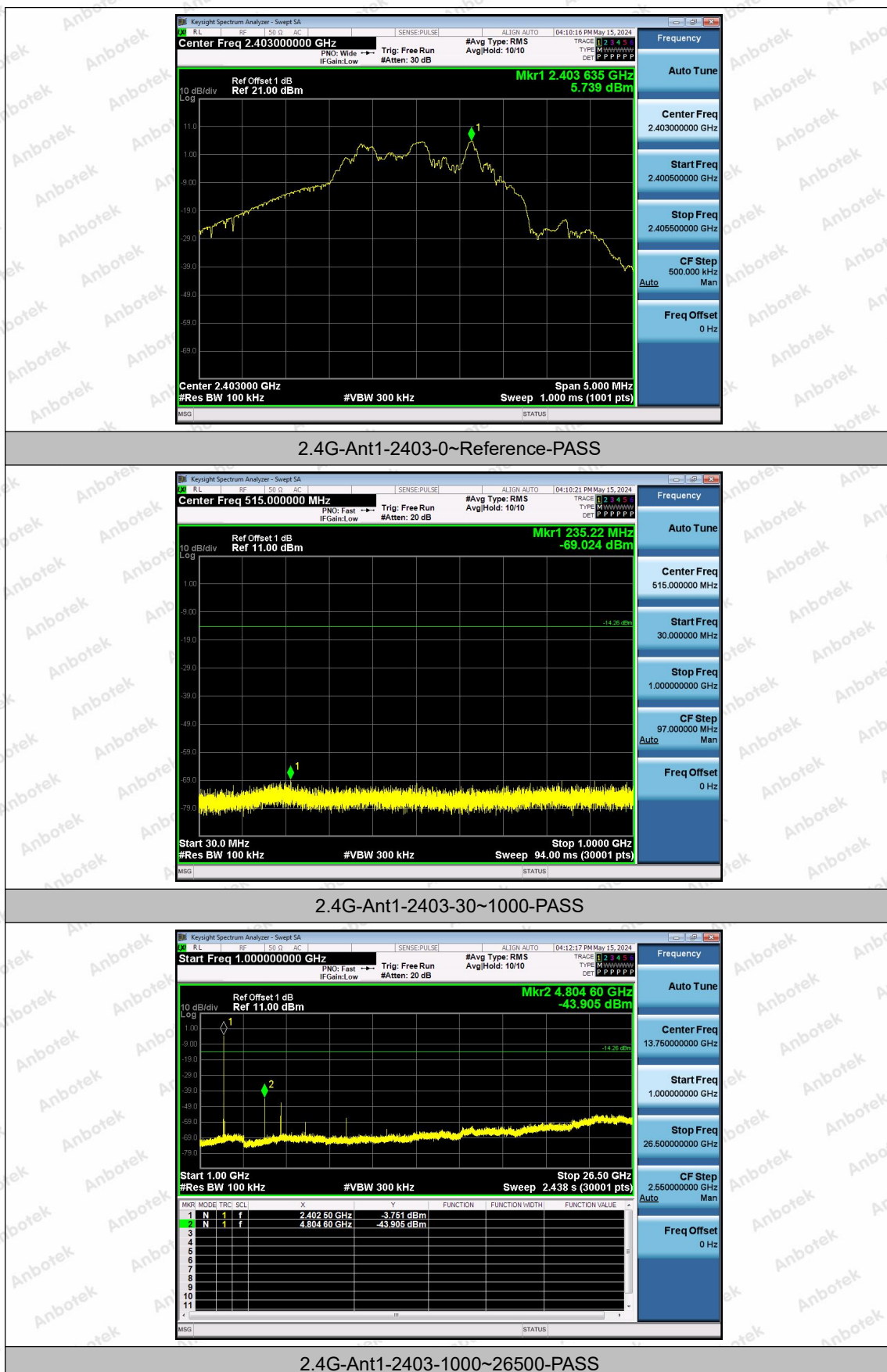
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	5.74	5.74	---	PASS
2.4G	Ant1	2403	30~1000	5.74	-69.02	≤-14.26	PASS
2.4G	Ant1	2403	1000~26500	5.74	-43.91	≤-14.26	PASS
2.4G	Ant1	2441	0~Reference	5.54	5.54	---	PASS
2.4G	Ant1	2441	30~1000	5.54	-68.97	≤-14.46	PASS
2.4G	Ant1	2441	1000~26500	5.54	-29.39	≤-14.46	PASS
2.4G	Ant1	2480	0~Reference	5.37	5.37	---	PASS
2.4G	Ant1	2480	30~1000	5.37	-68.55	≤-14.63	PASS
2.4G	Ant1	2480	1000~26500	5.37	-37.21	≤-14.63	PASS



Test Graphs



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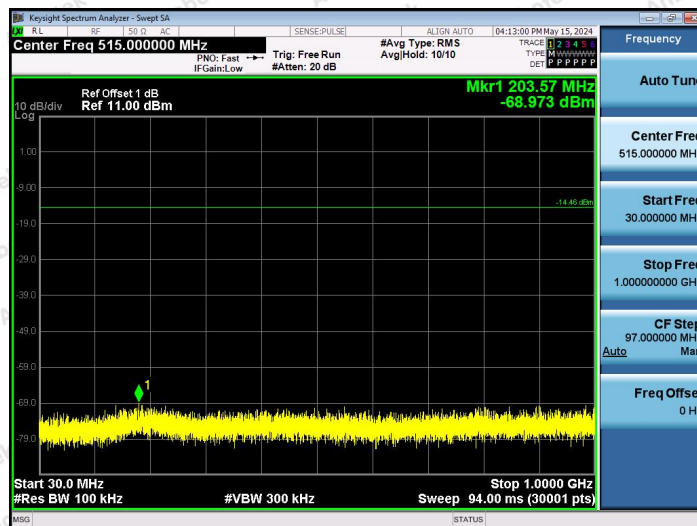


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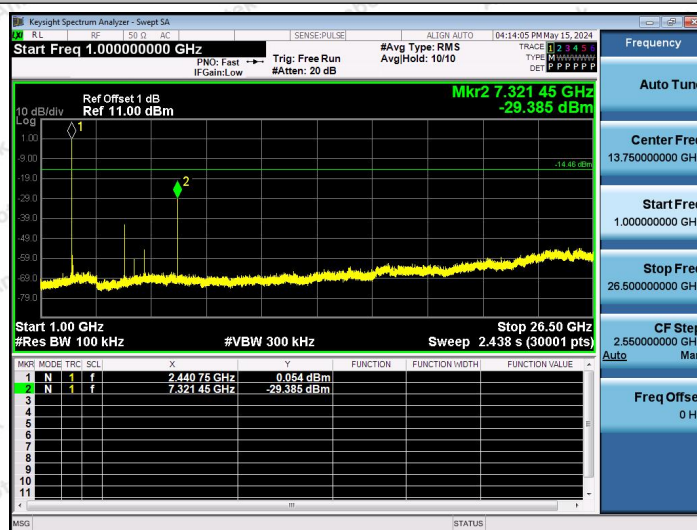




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS



2.4G-Ant1-2441-1000~26500-PASS

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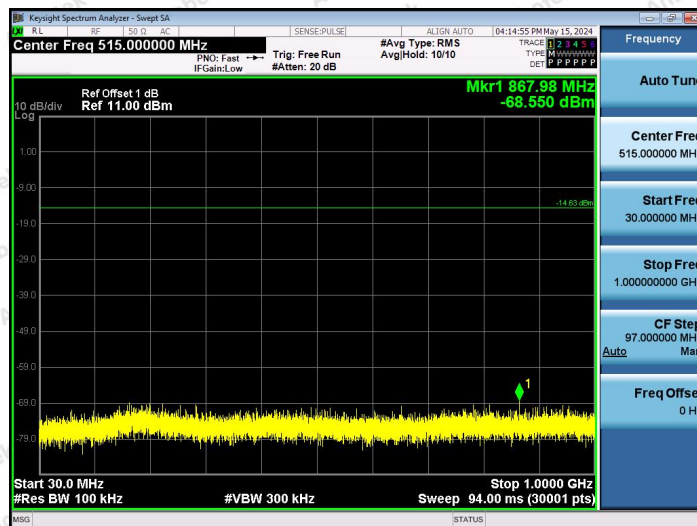


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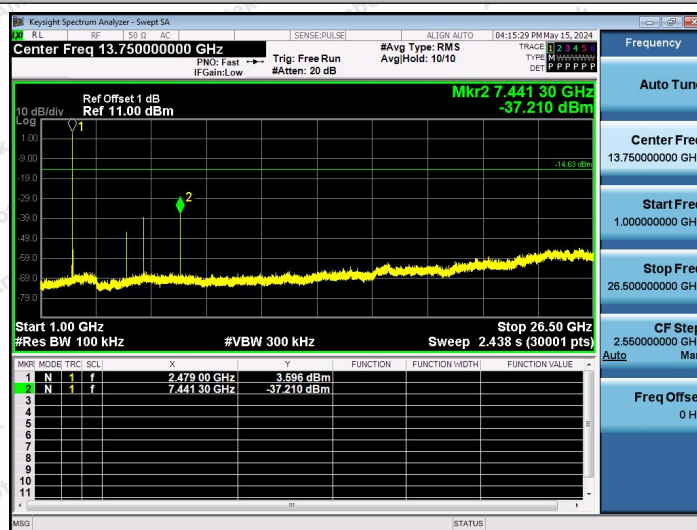




2.4G-Ant1-2480-0~Reference-PASS



2.4G-Ant1-2480-30~1000-PASS



2.4G-Ant1-2480-1000~26500-PASS

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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	3.96	3.28	14.84
		2441	0.13	3.96	3.28	14.84
		2480	0.13	3.96	3.28	14.84

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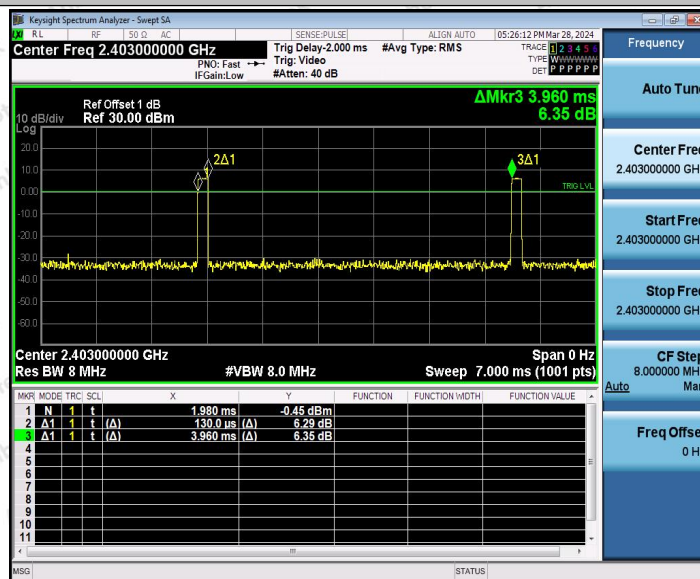


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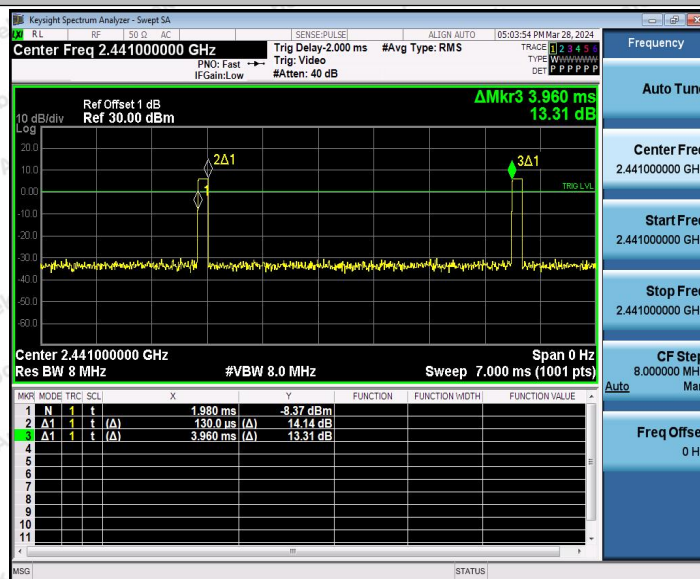


Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480

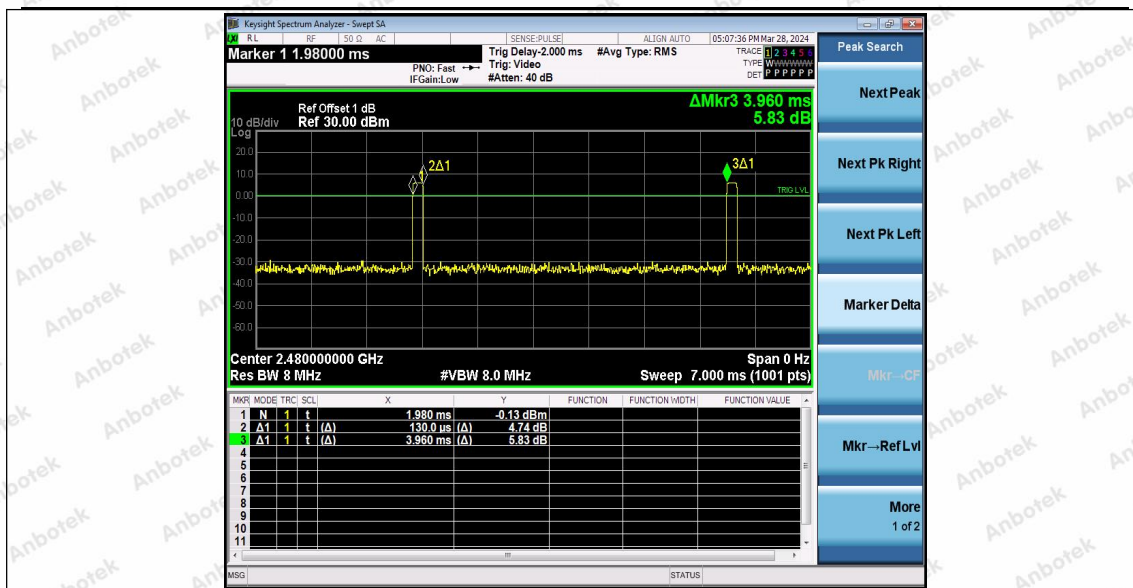
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