

Appendix Test Data

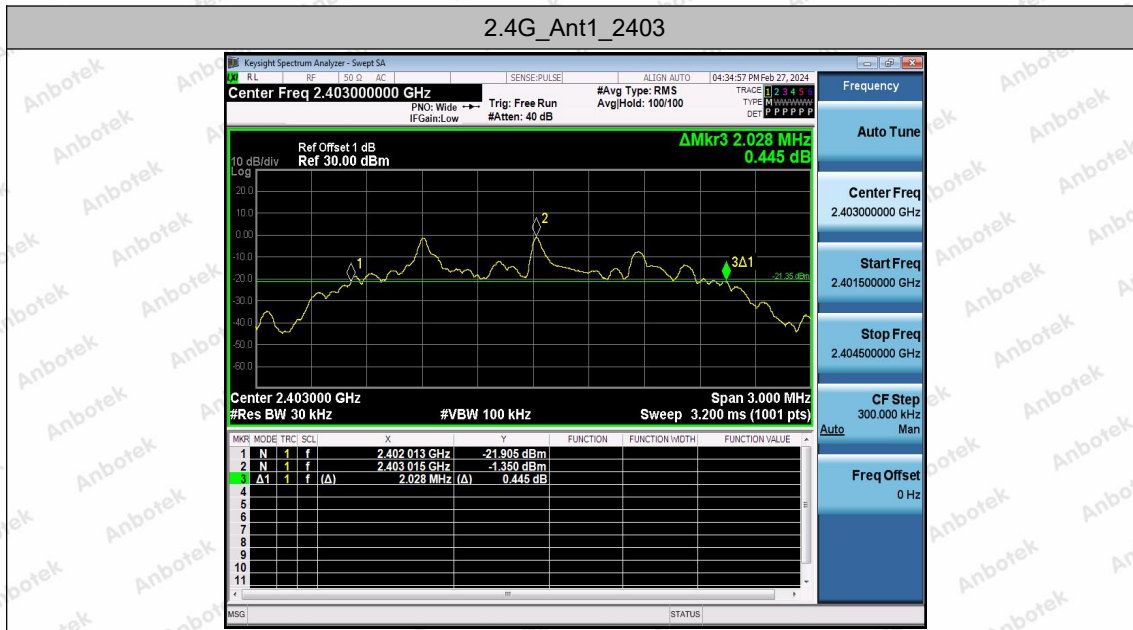
Report No.:	18220WC40027201	Test Sample No.:	1-2-2
Start Test Date:	2024.2.27	Finish Test Date:	2024.2.27
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

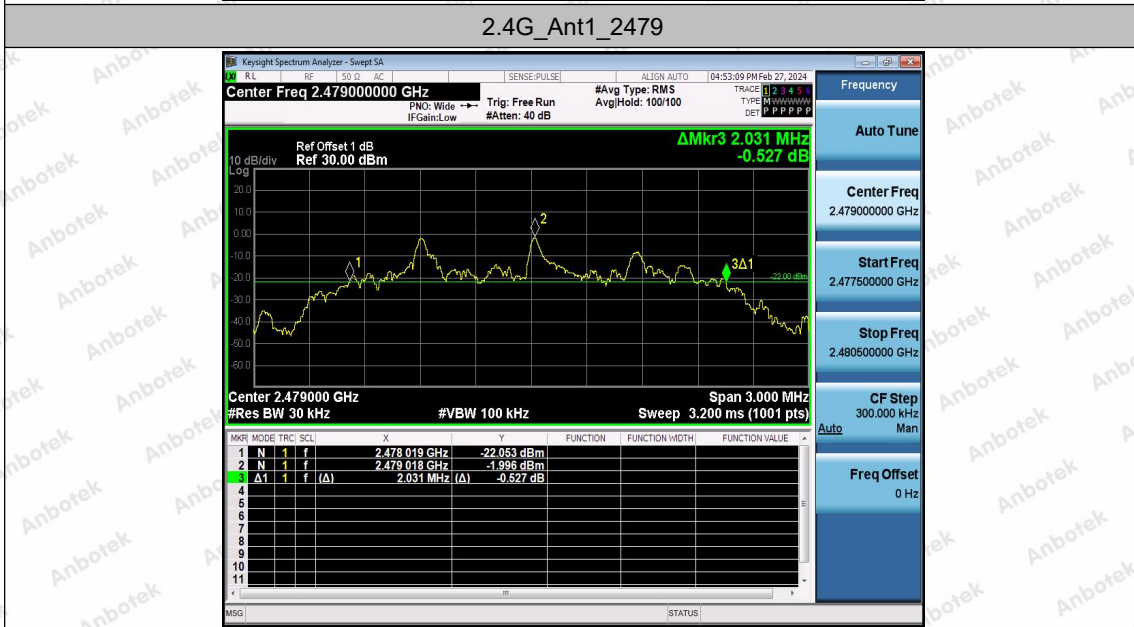
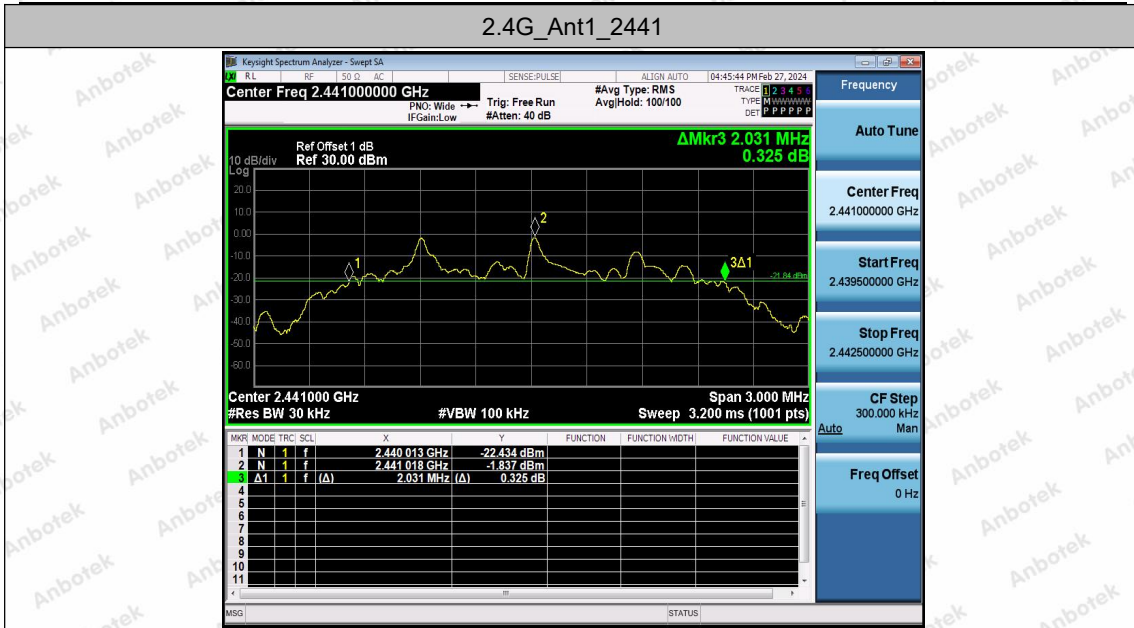
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.028	2402.013	2404.041	---	---
		2441	2.031	2440.013	2442.044	---	---
		2479	2.031	2478.019	2480.050	---	---

Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.0211	2402.0080	2404.0291	---	---
		2441	2.0282	2440.0039	2442.0321	---	---
		2479	2.0336	2478.0020	2480.0356	---	---

Test Graphs





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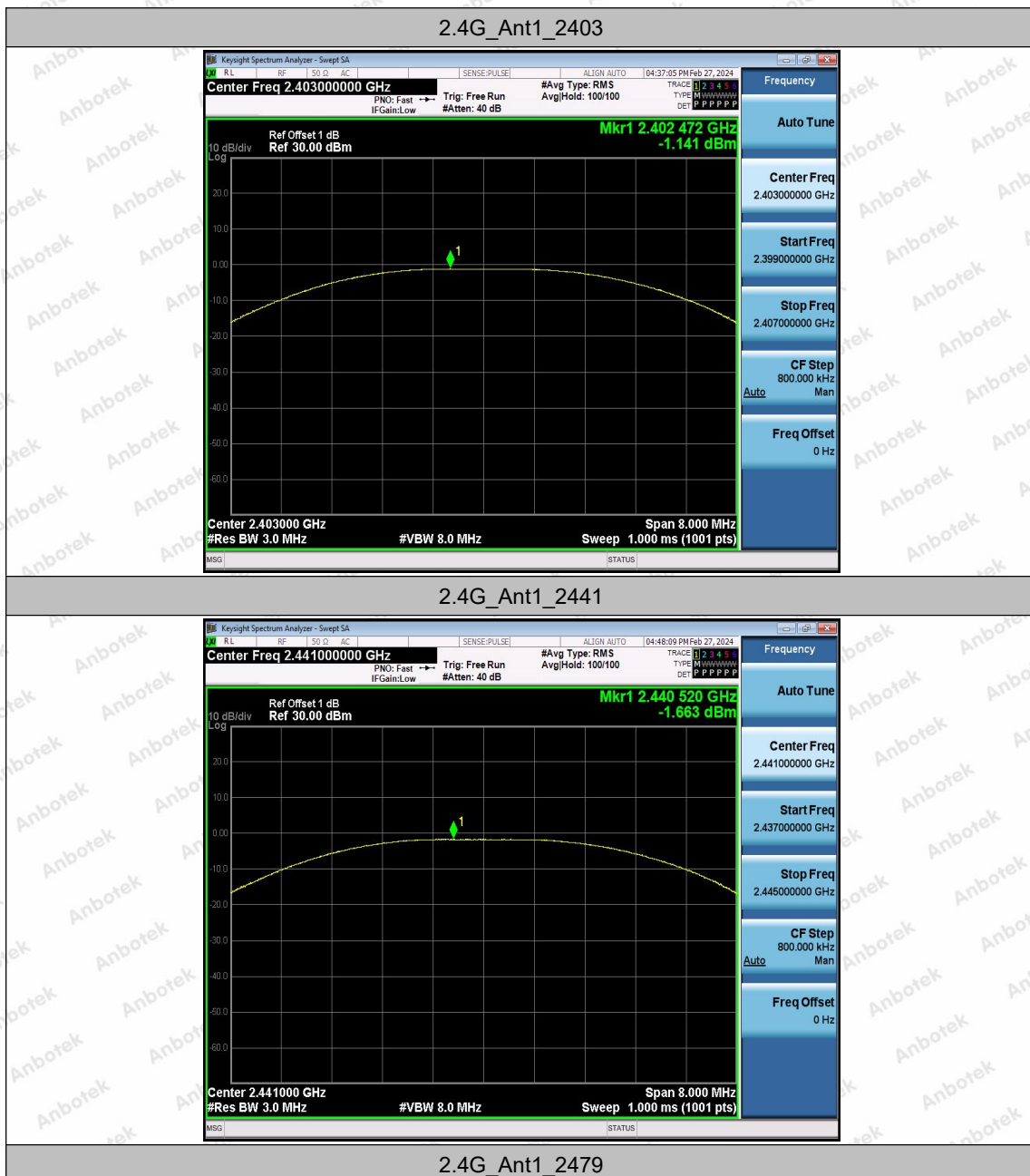


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-1.14	≤20.97	PASS
		2441	-1.66	≤20.97	PASS
		2479	-1.75	≤20.97	PASS

Test Graphs

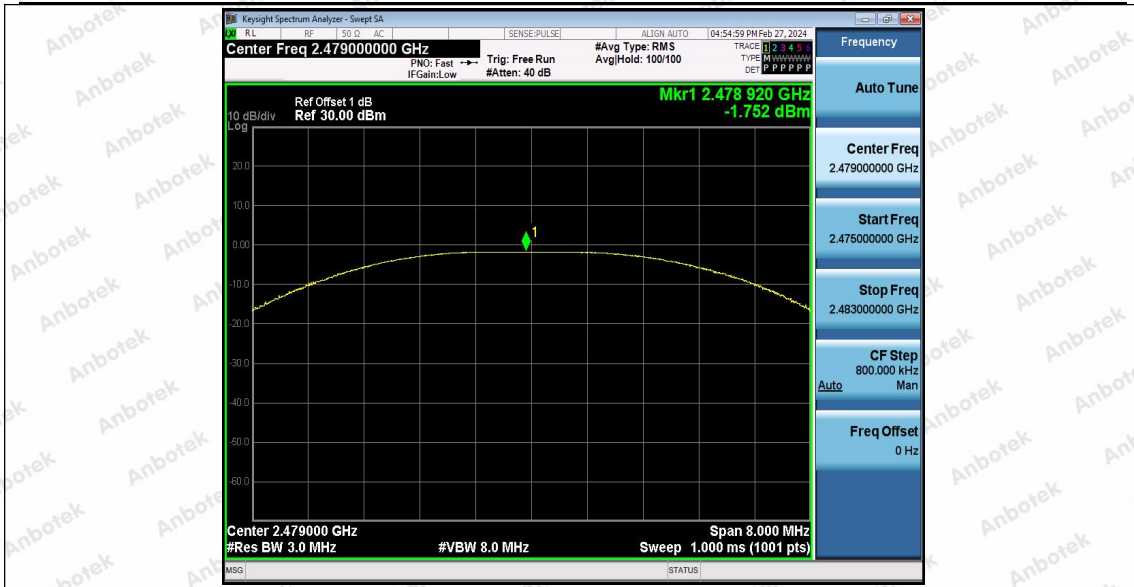


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.354	PASS

Test Graphs

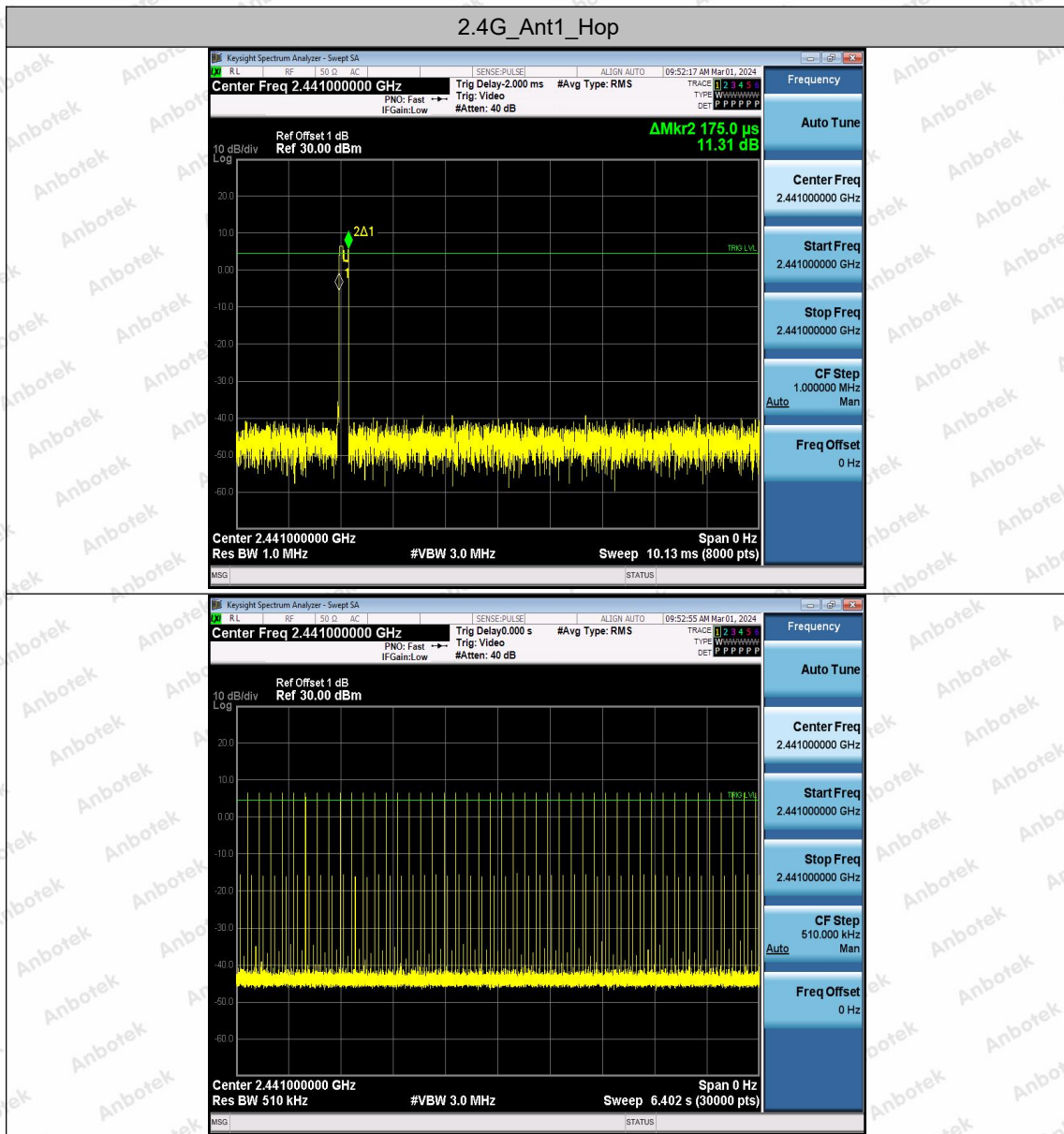


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.175	45	0.008	≤0.4	PASS

Test Graphs



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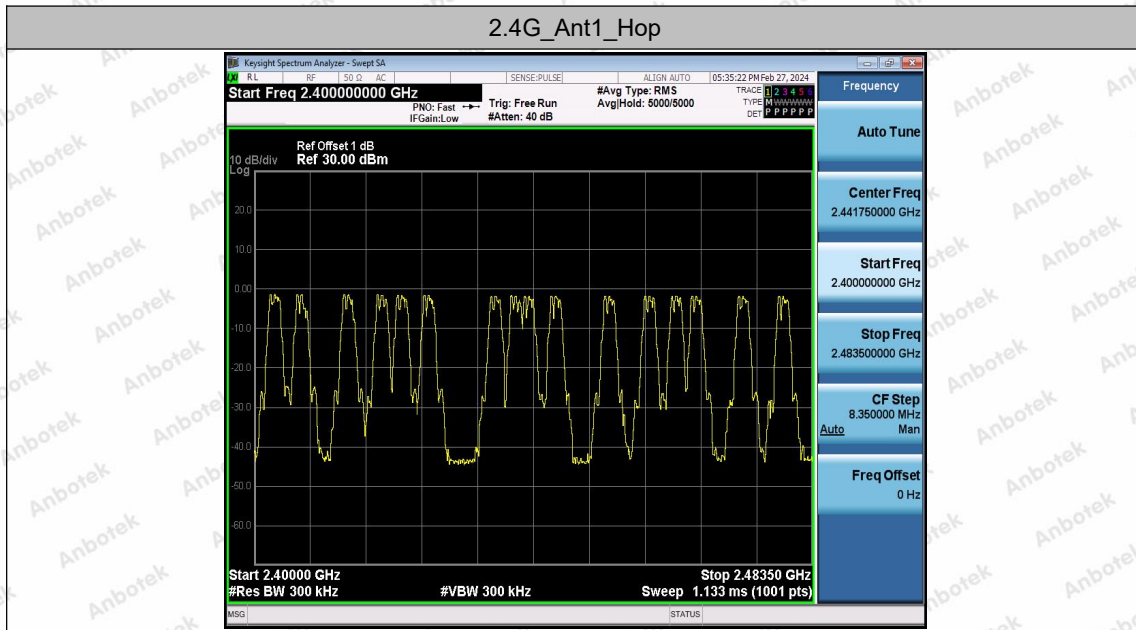


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

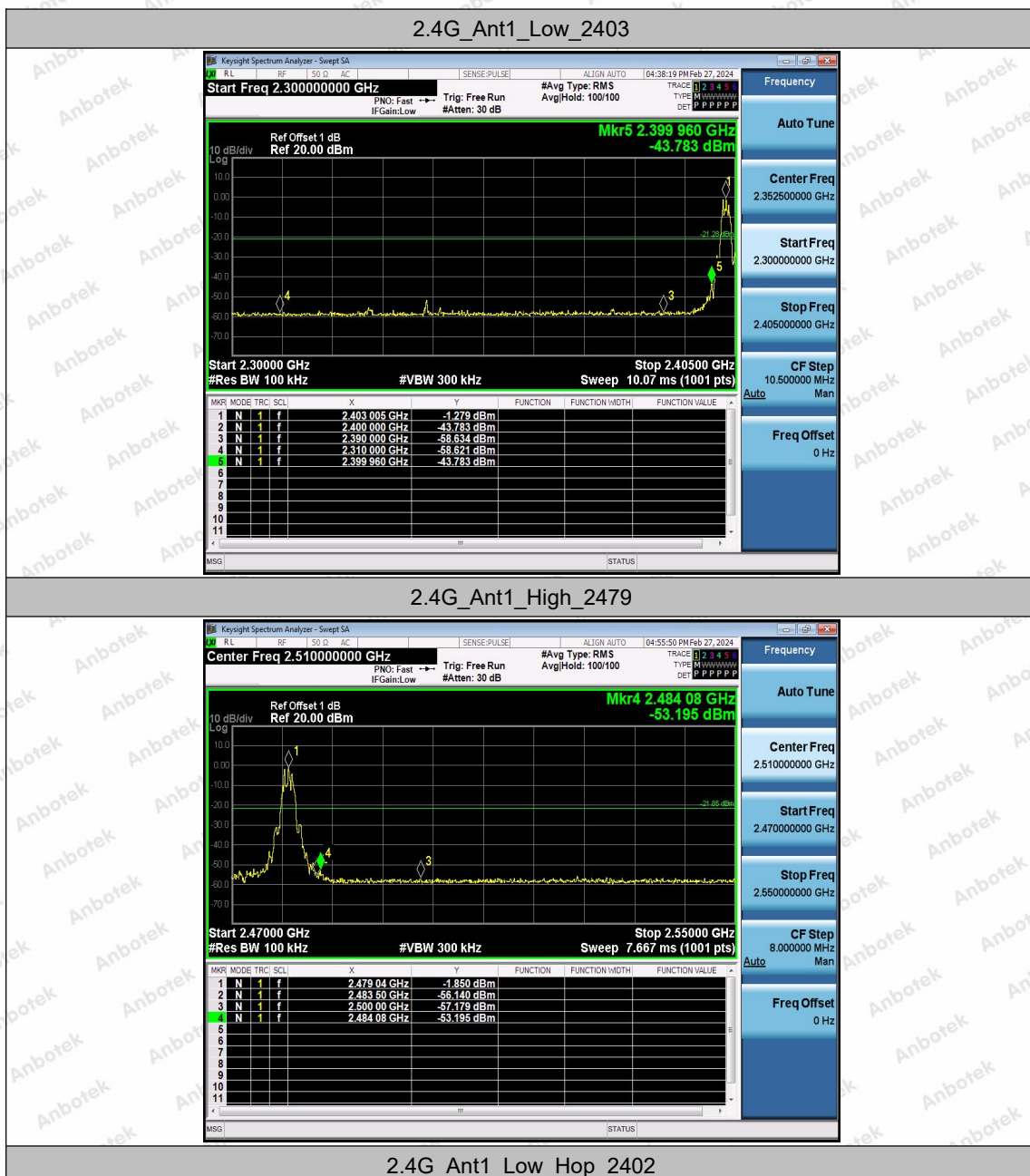


Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-1.28	-43.78	≤-21.28	PASS
		High	2479	-1.85	-53.2	≤-21.85	PASS
		Low	Hop_2402	-1.46	-52.6	≤-21.46	PASS
		High	Hop_2480	-1.89	-55.57	≤-21.89	PASS

Test Graphs

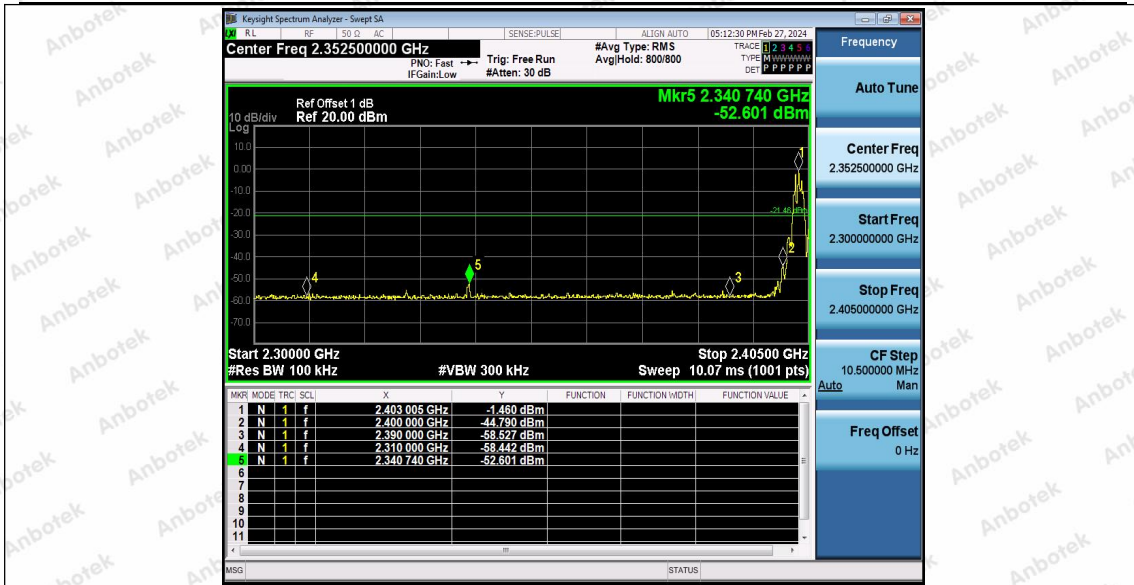


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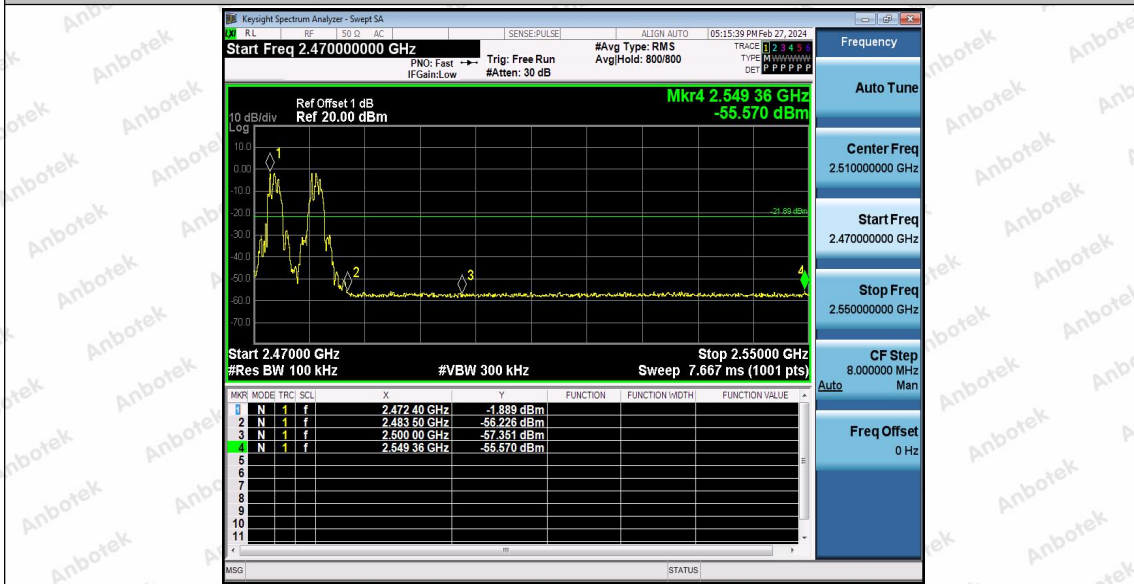
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2.4G_Ant1_High_Hop_2480



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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	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-68.99	≤-21.38	PASS
			1000~26500	-1.38	-25.3	≤-21.38	PASS
		2441	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-69.22	≤-21.88	PASS
			1000~26500	-1.88	-27.02	≤-21.88	PASS
		2479	Reference	-1.94	-1.94	---	PASS
			30~1000	-1.94	-69.05	≤-21.94	PASS
			1000~26500	-1.94	-27.44	≤-21.94	PASS

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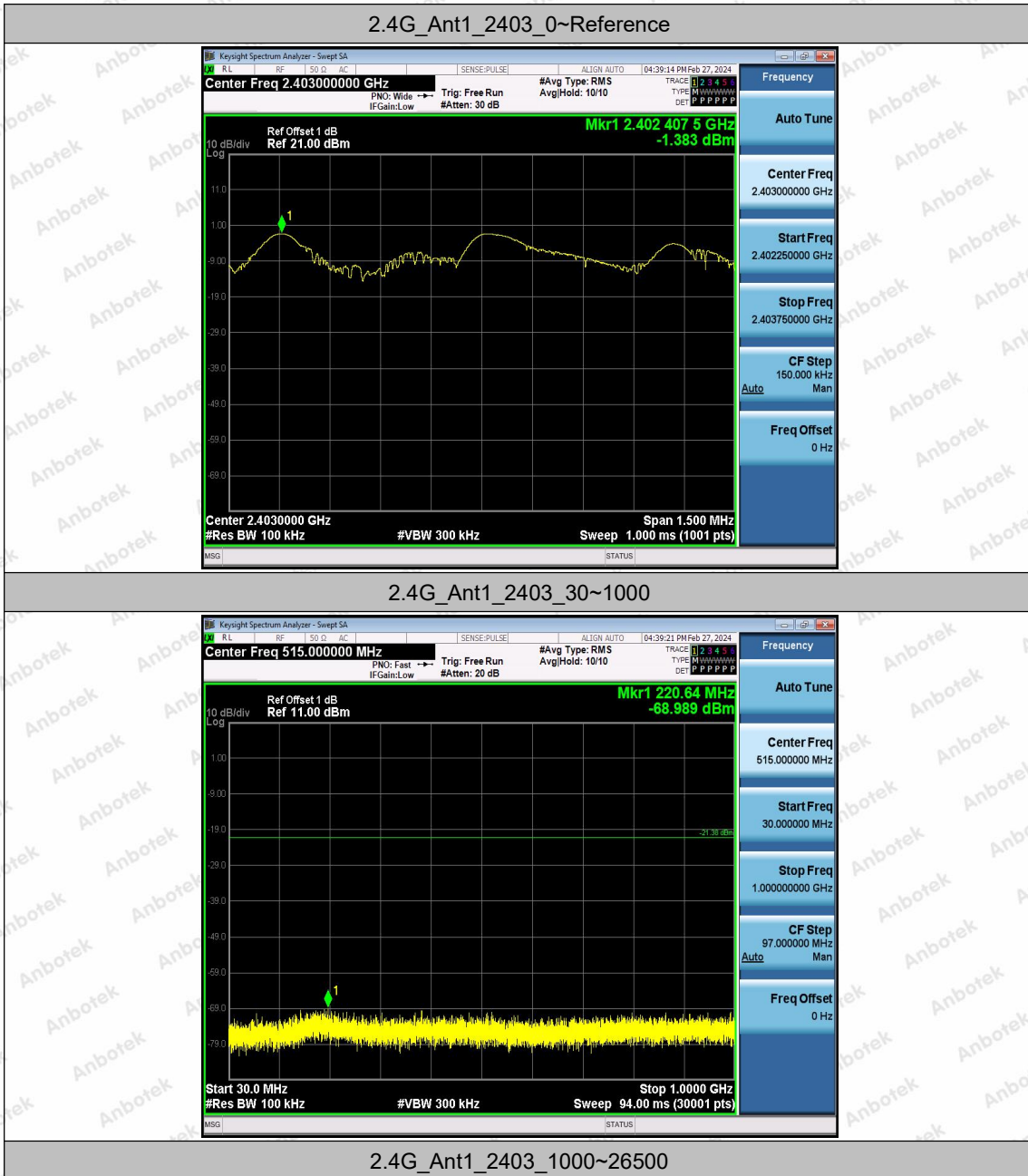
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Test Graphs

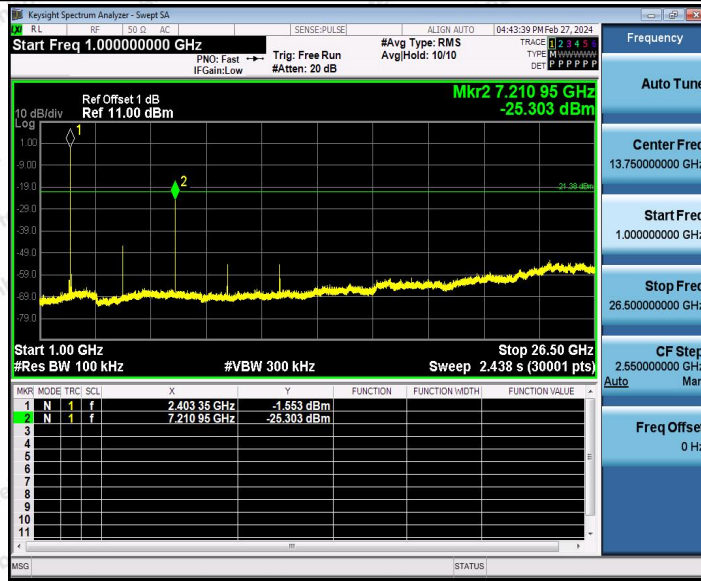


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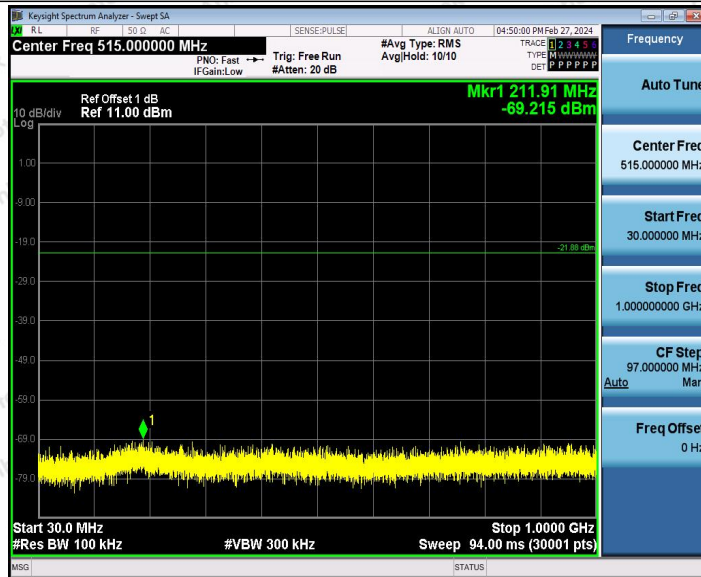




2.4G_Ant1_2441_0~Reference



2.4G_Ant1_2441_30~1000

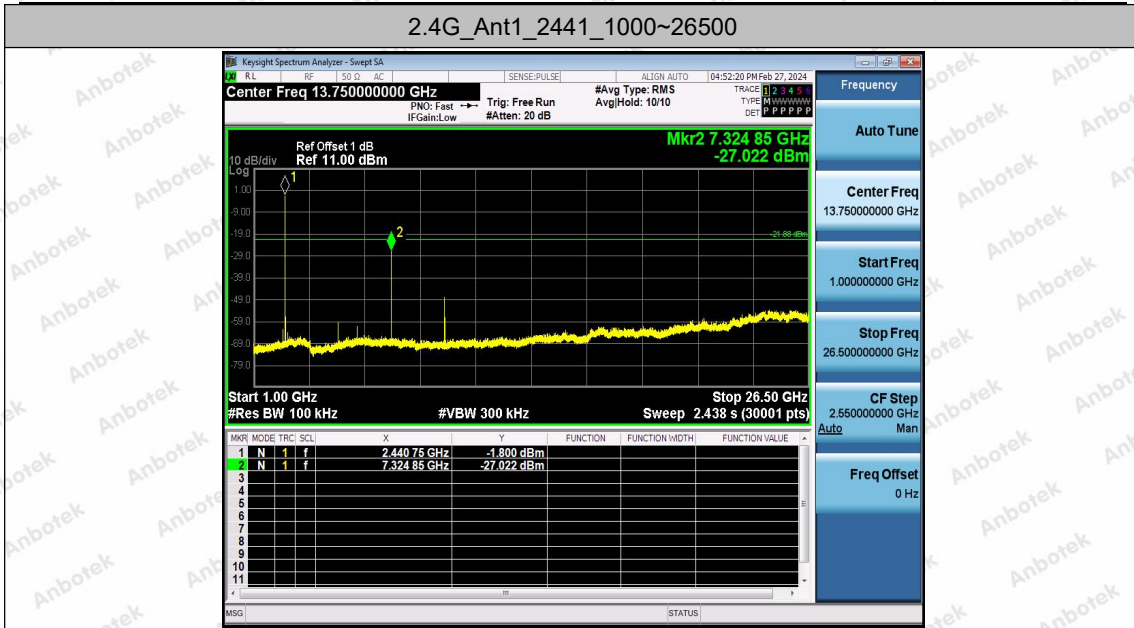


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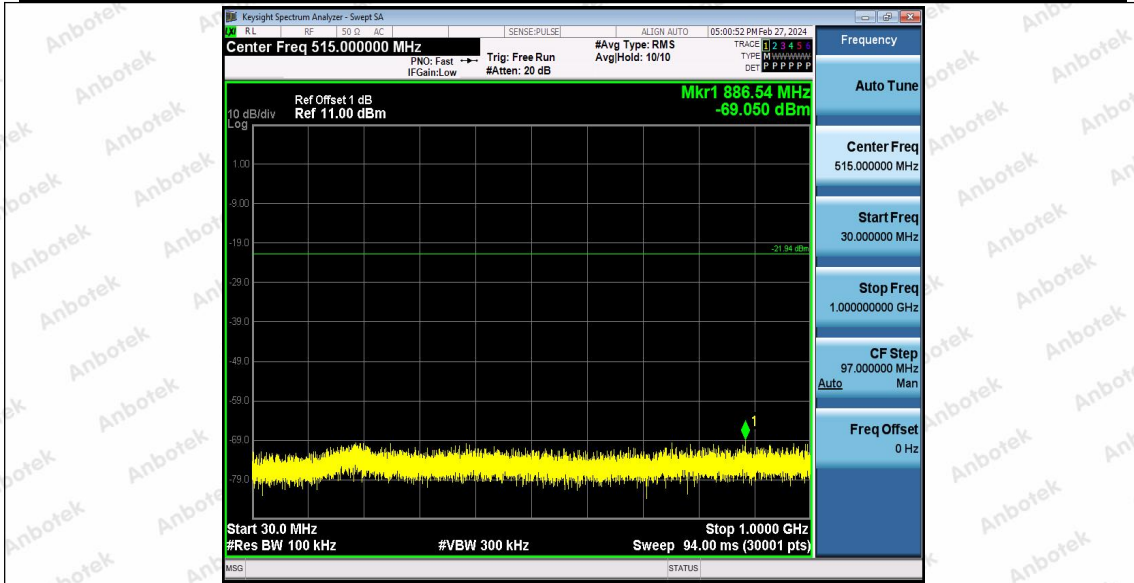
2.4G_Ant1_2479_30~1000

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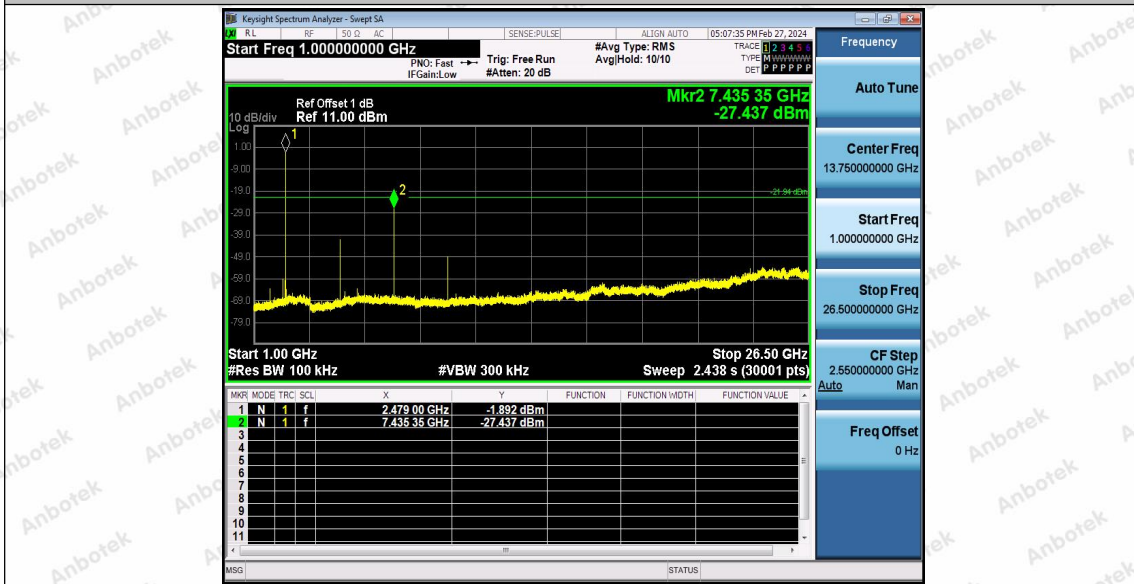
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2.4G_Ant1_2479_1000~26500



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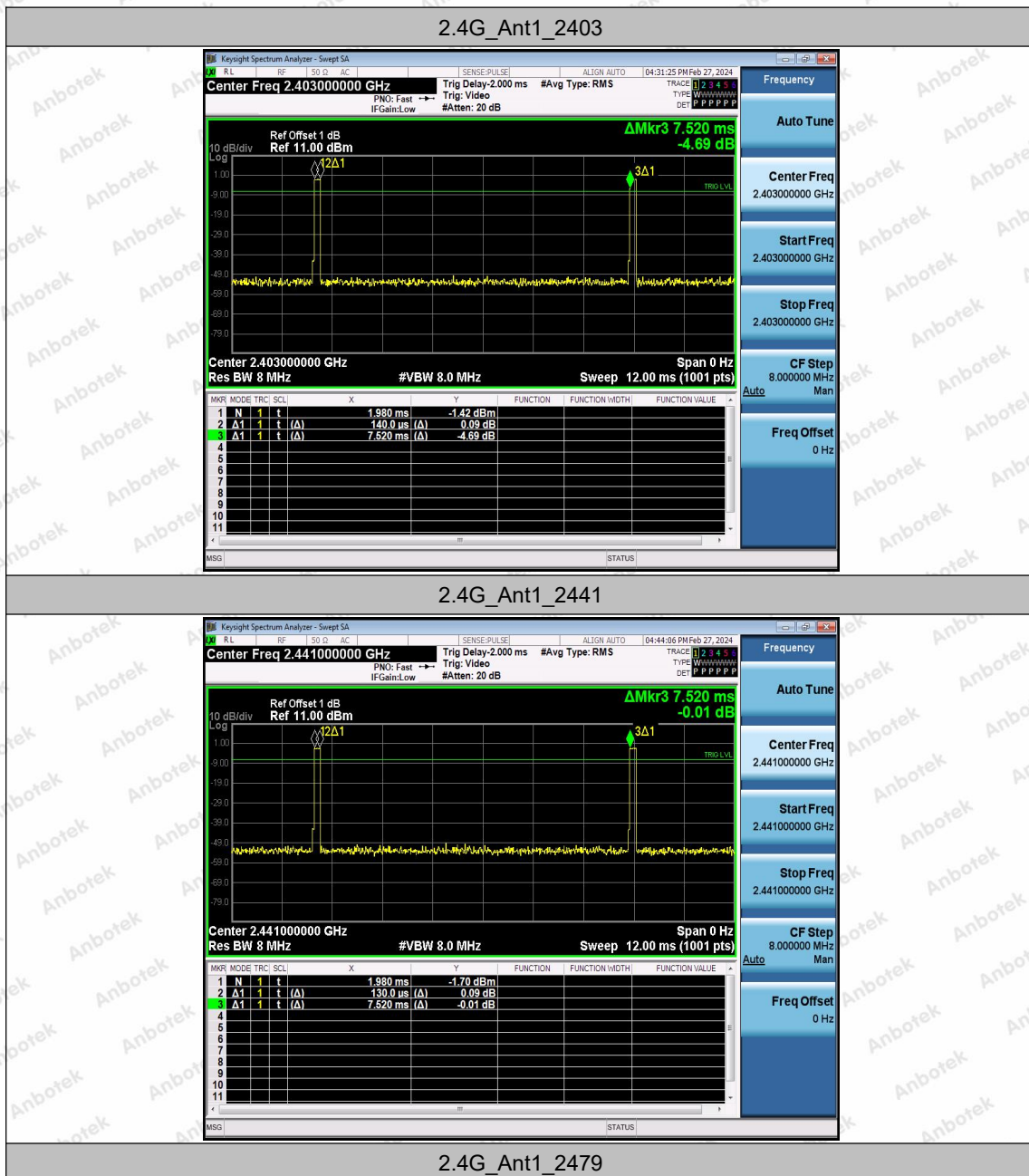


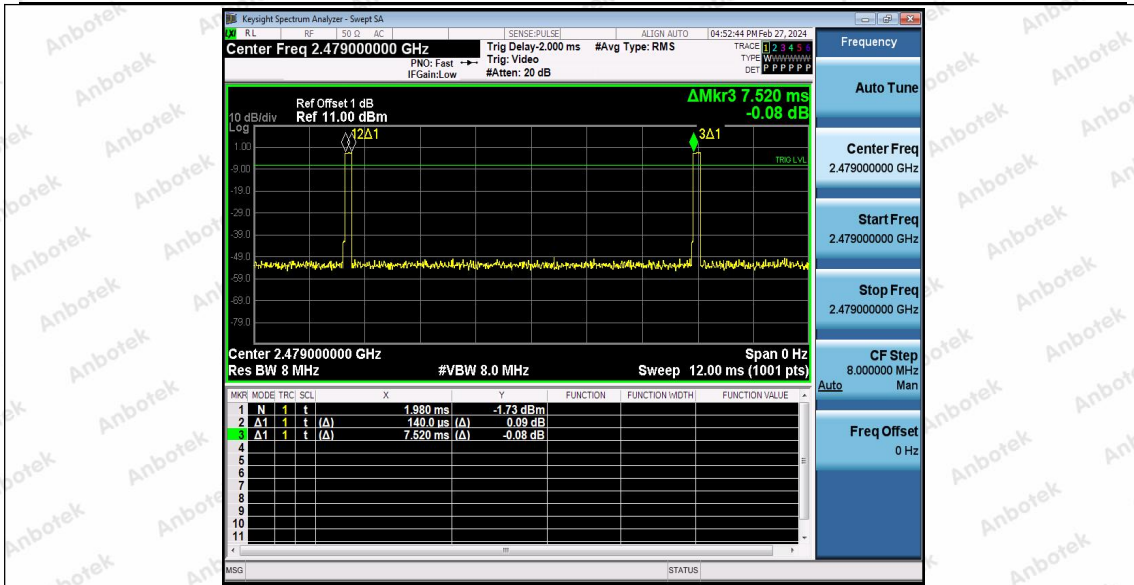
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.14	7.52	1.86	17.30
		2441	0.13	7.52	1.73	17.62
		2479	0.14	7.52	1.86	17.30

Test Graphs





---end---

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