

Appendix Test Data

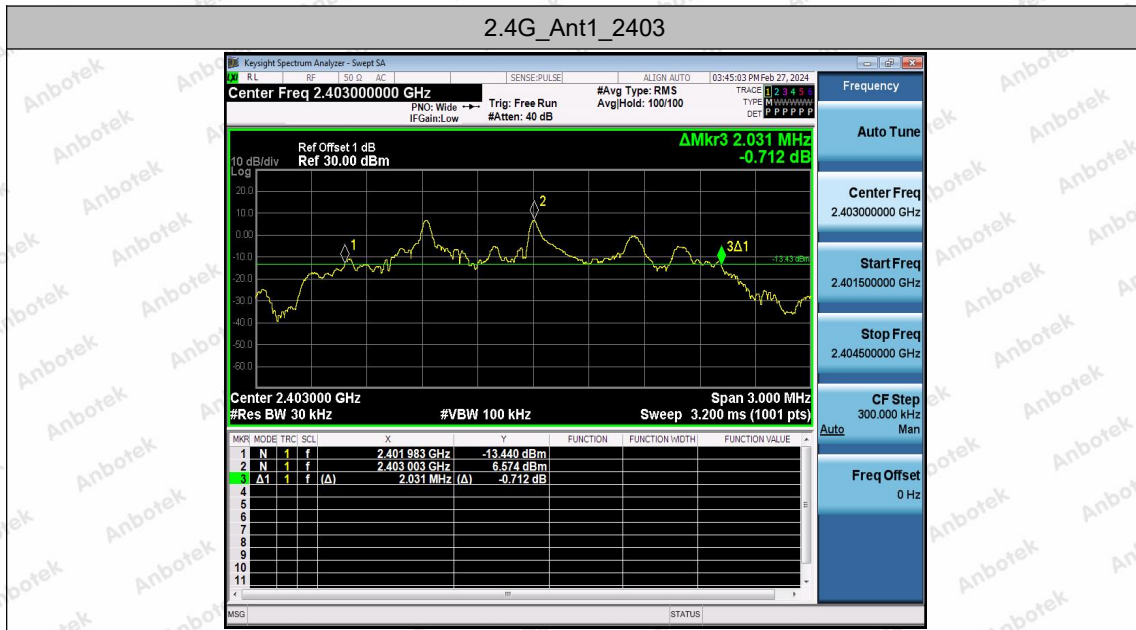
Report No.:	18220WC40027601	Test Sample No.:	1-2-2
Start Test Date:	2024.2.27	Finish Test Date:	2024.3.1
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.1°C	Relative Humidity:	45%
Pressure:	101kPa		

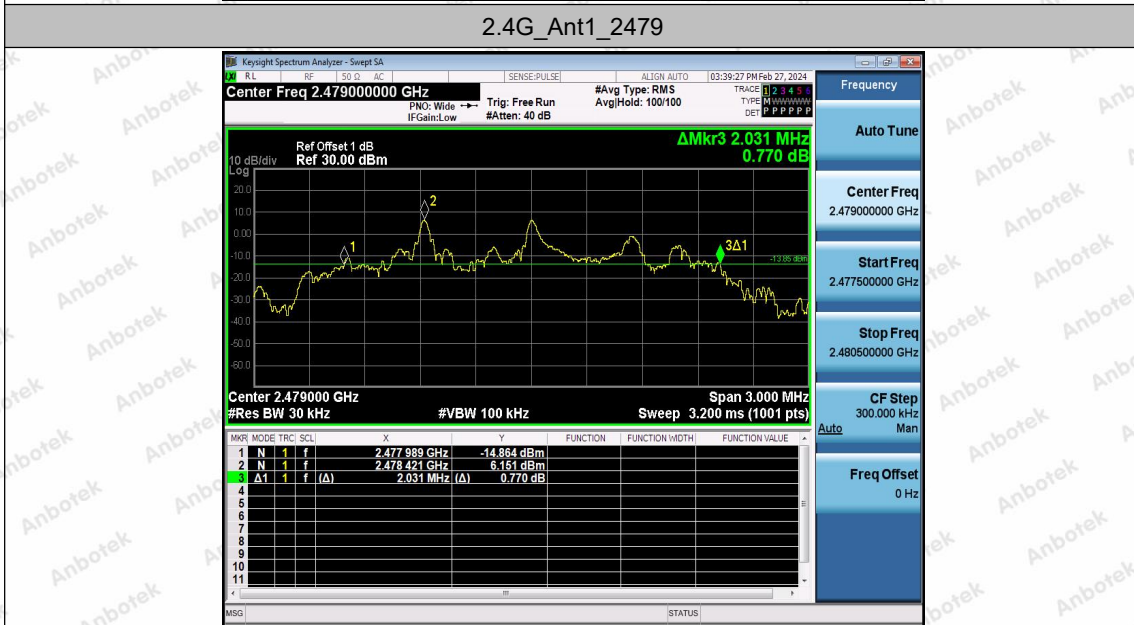
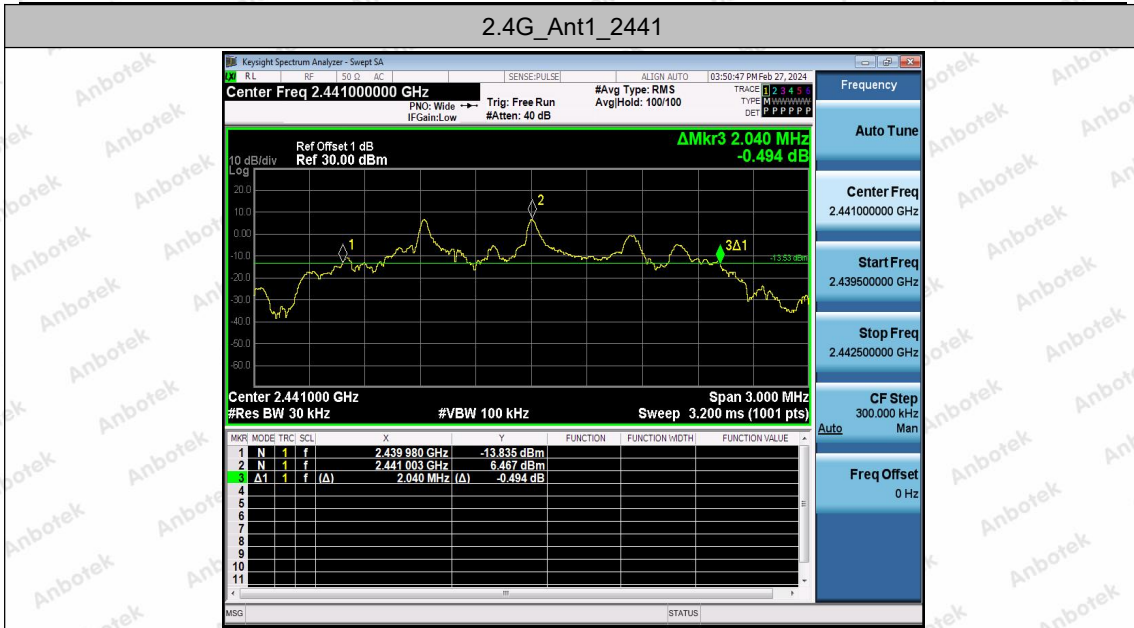
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.031	2401.983	2404.014	---	---
		2441	2.040	2439.980	2442.020	---	---
		2479	2.031	2477.989	2480.020	---	---

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	2.0387	2401.9519	2403.9906	---	---
		2441	2.0559	2439.9413	2441.9972	---	---
		2479	2.0718	2477.9330	2480.0048	---	---

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	4.40	≤20.97	PASS
		2441	4.62	≤20.97	PASS
		2479	4.89	≤20.97	PASS

Test Graphs

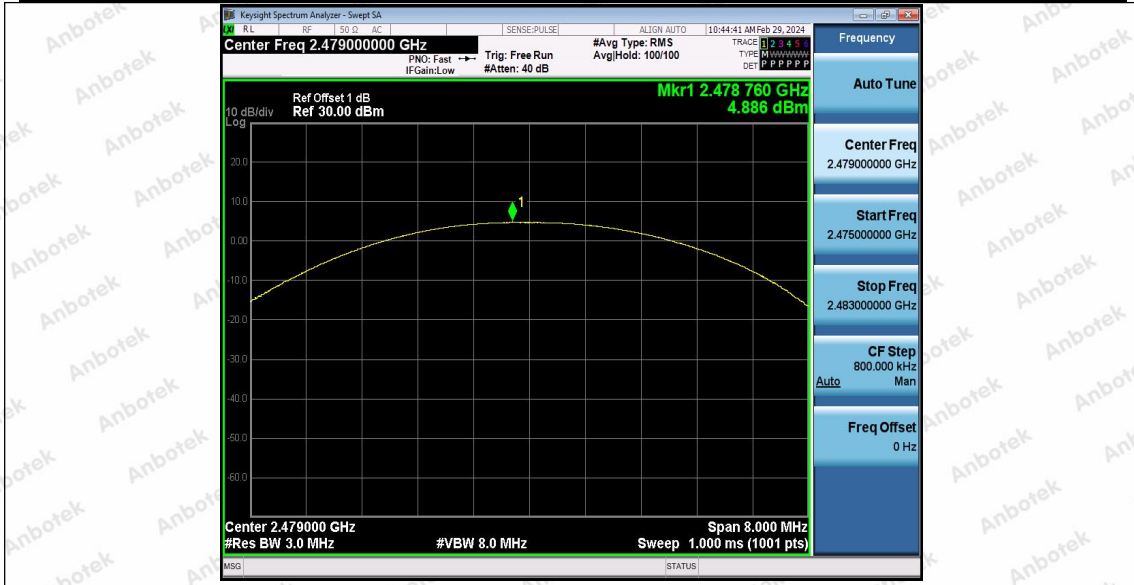


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.360	PASS

Test Graphs

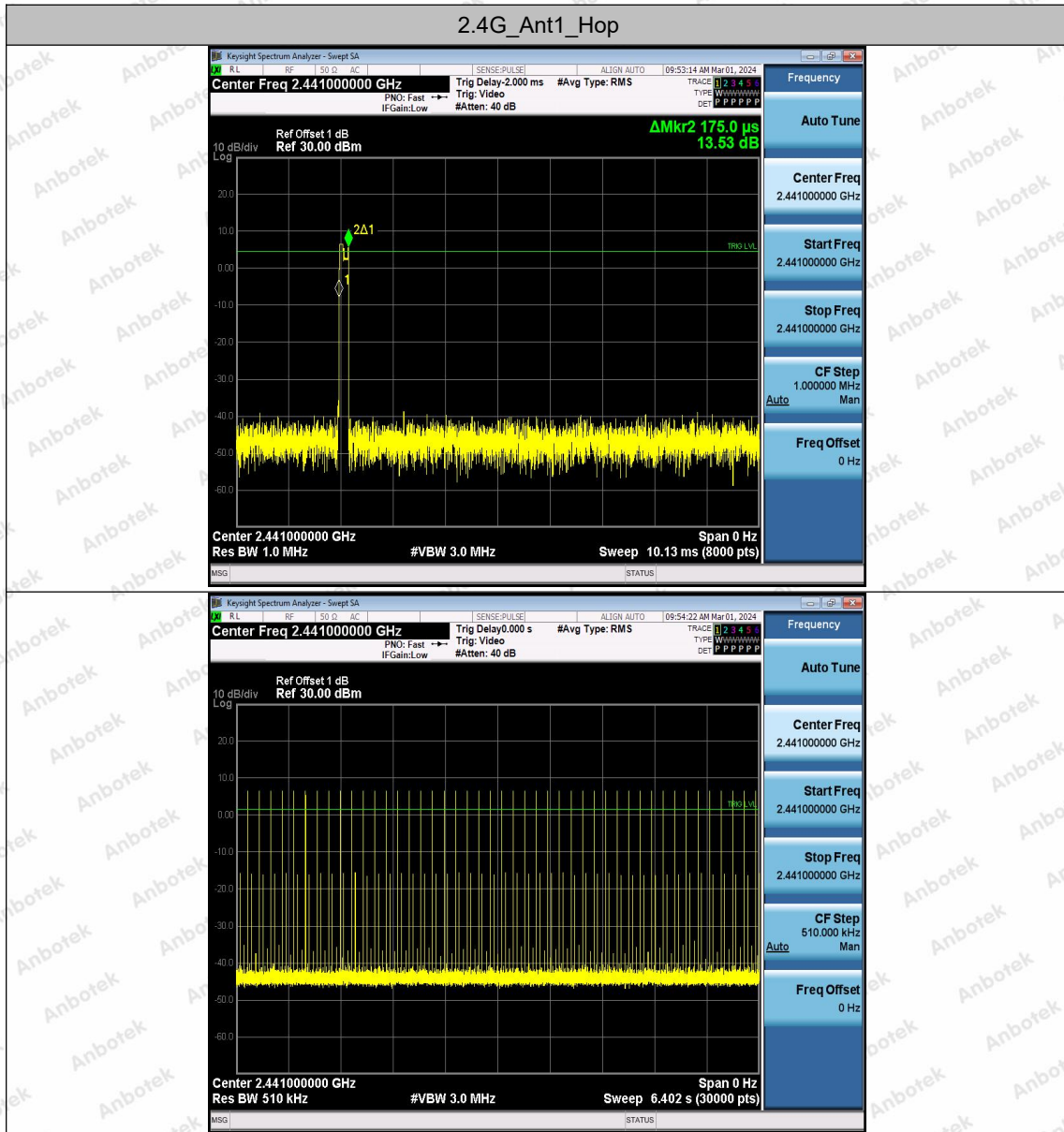


Appendix E: Time of occupancy

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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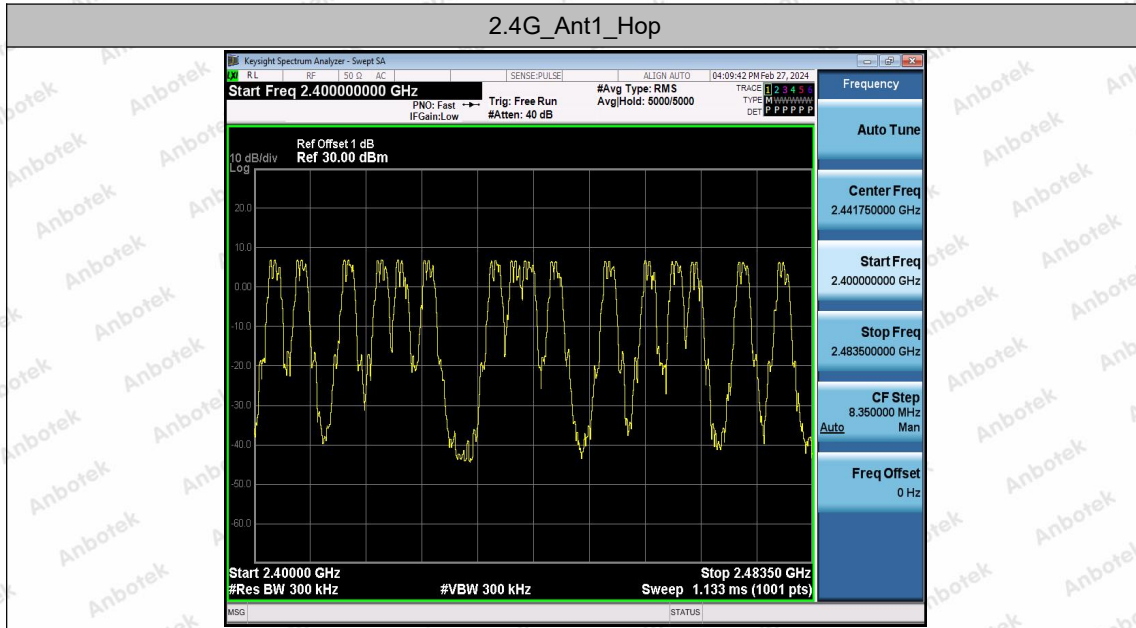


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

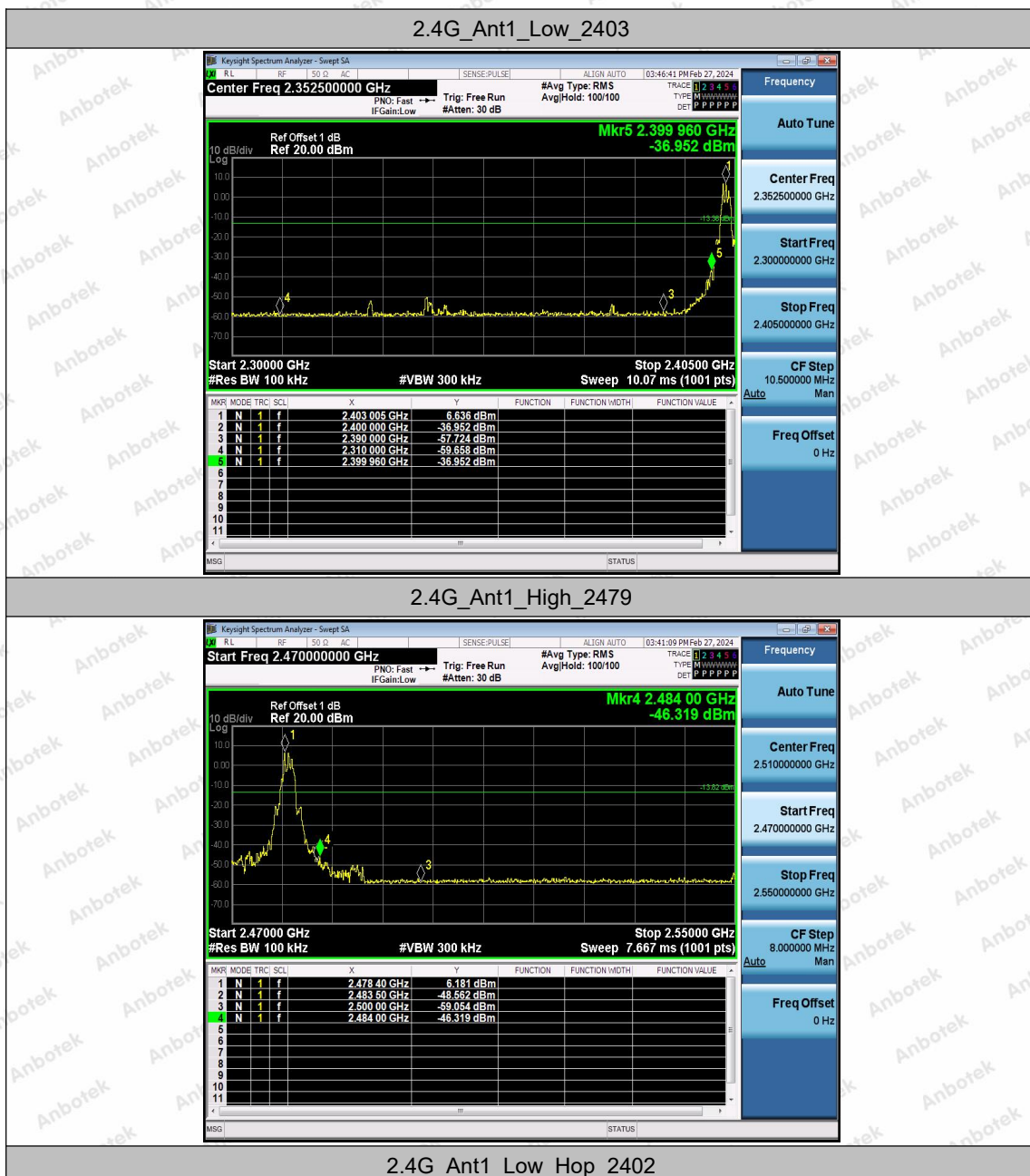


Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	6.64	-36.95	≤-13.36	PASS
		High	2479	6.18	-46.32	≤-13.82	PASS
		Low	Hop_2402	6.73	-42.92	≤-13.27	PASS
		High	Hop_2480	6.30	-53.03	≤-13.71	PASS

Test Graphs

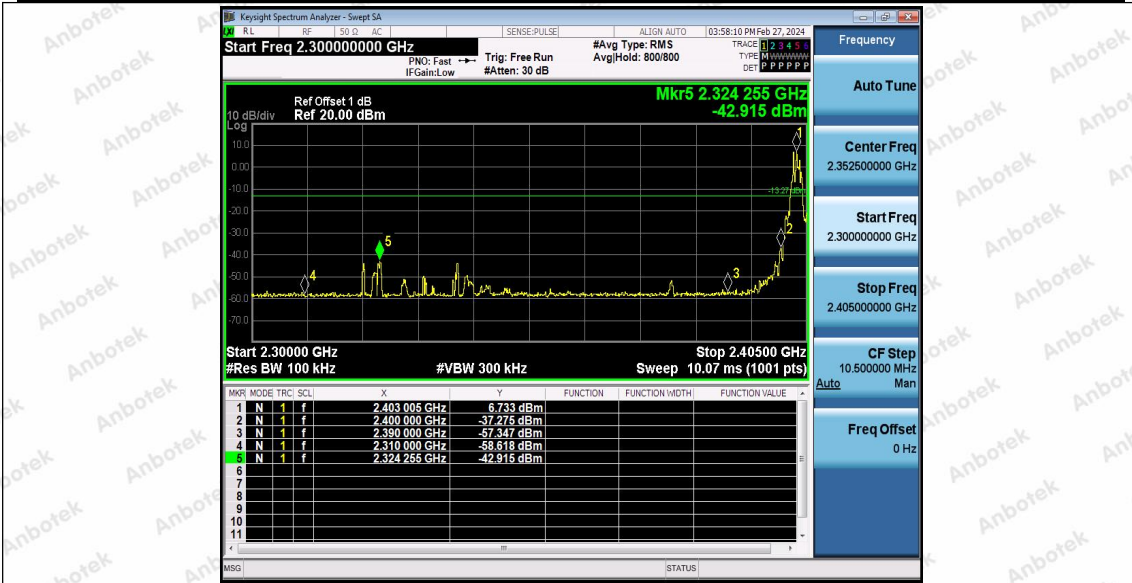


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2.4G_Ant1_High_Hop_2480



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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	6.56	6.56	---	PASS
			30~1000	6.56	-68.91	≤-13.44	PASS
			1000~26500	6.56	-53.14	≤-13.44	PASS
		2441	Reference	6.47	6.47	---	PASS
			30~1000	6.47	-68.75	≤-13.53	PASS
			1000~26500	6.47	-38.93	≤-13.53	PASS
		2479	Reference	6.14	6.14	---	PASS
			30~1000	6.14	-68.02	≤-13.86	PASS
			1000~26500	6.14	-31.55	≤-13.86	PASS

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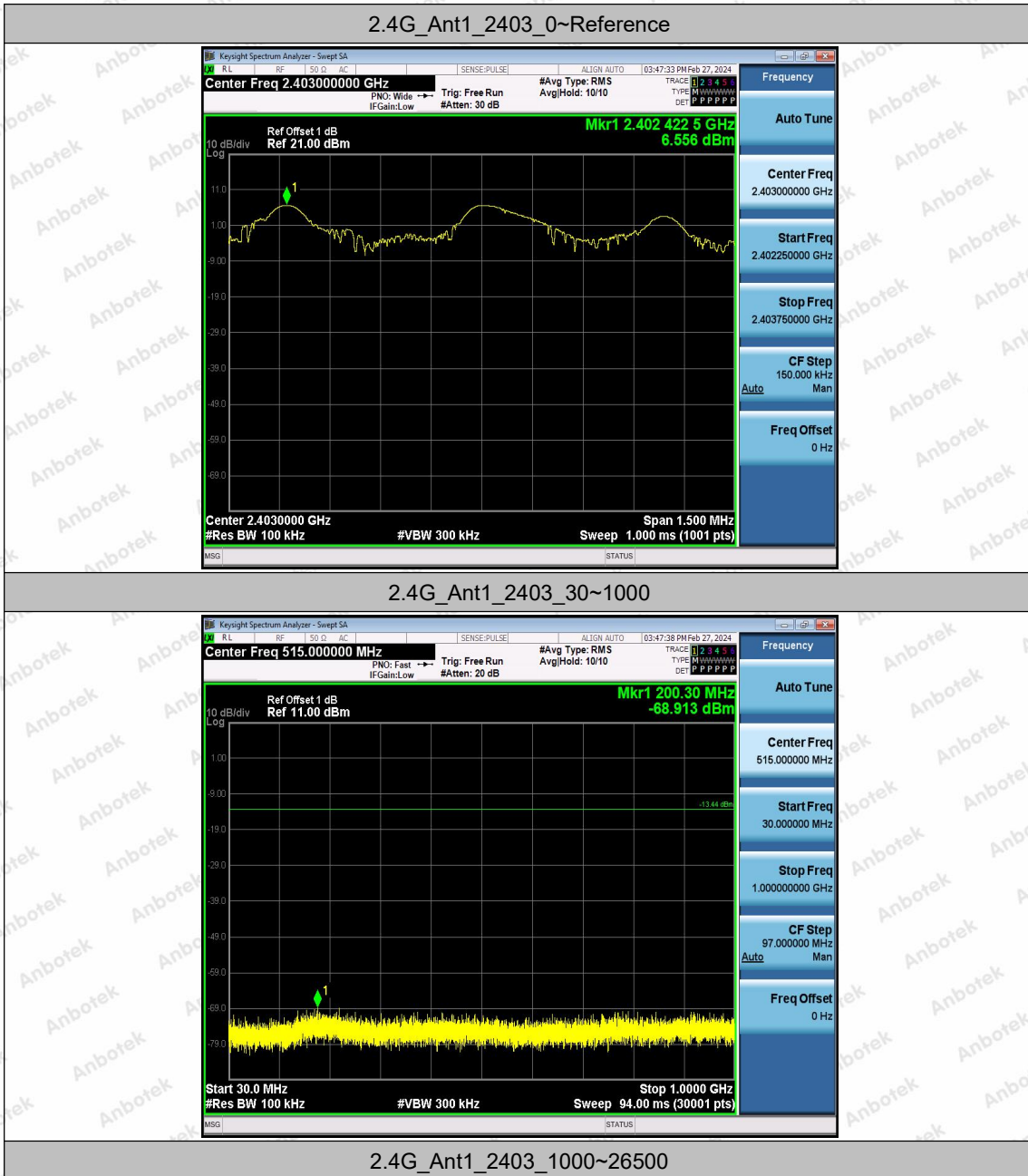
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Test Graphs

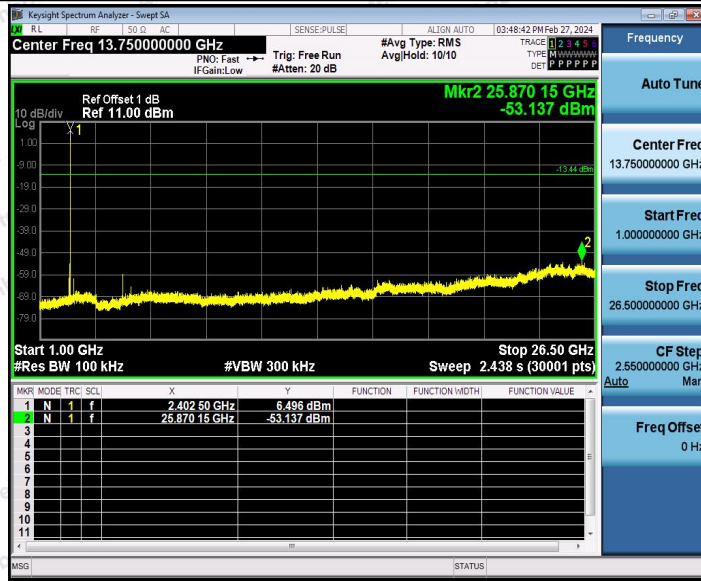


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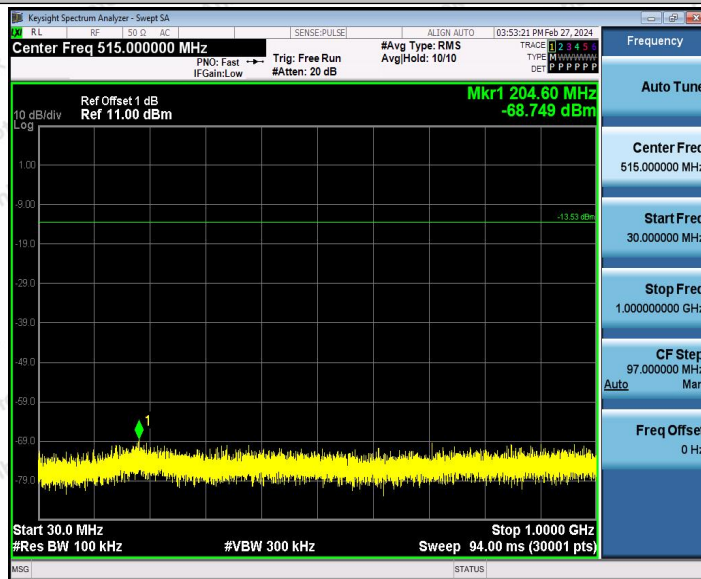




2.4G_Ant1_2441_0~Reference



2.4G_Ant1_2441_30~1000

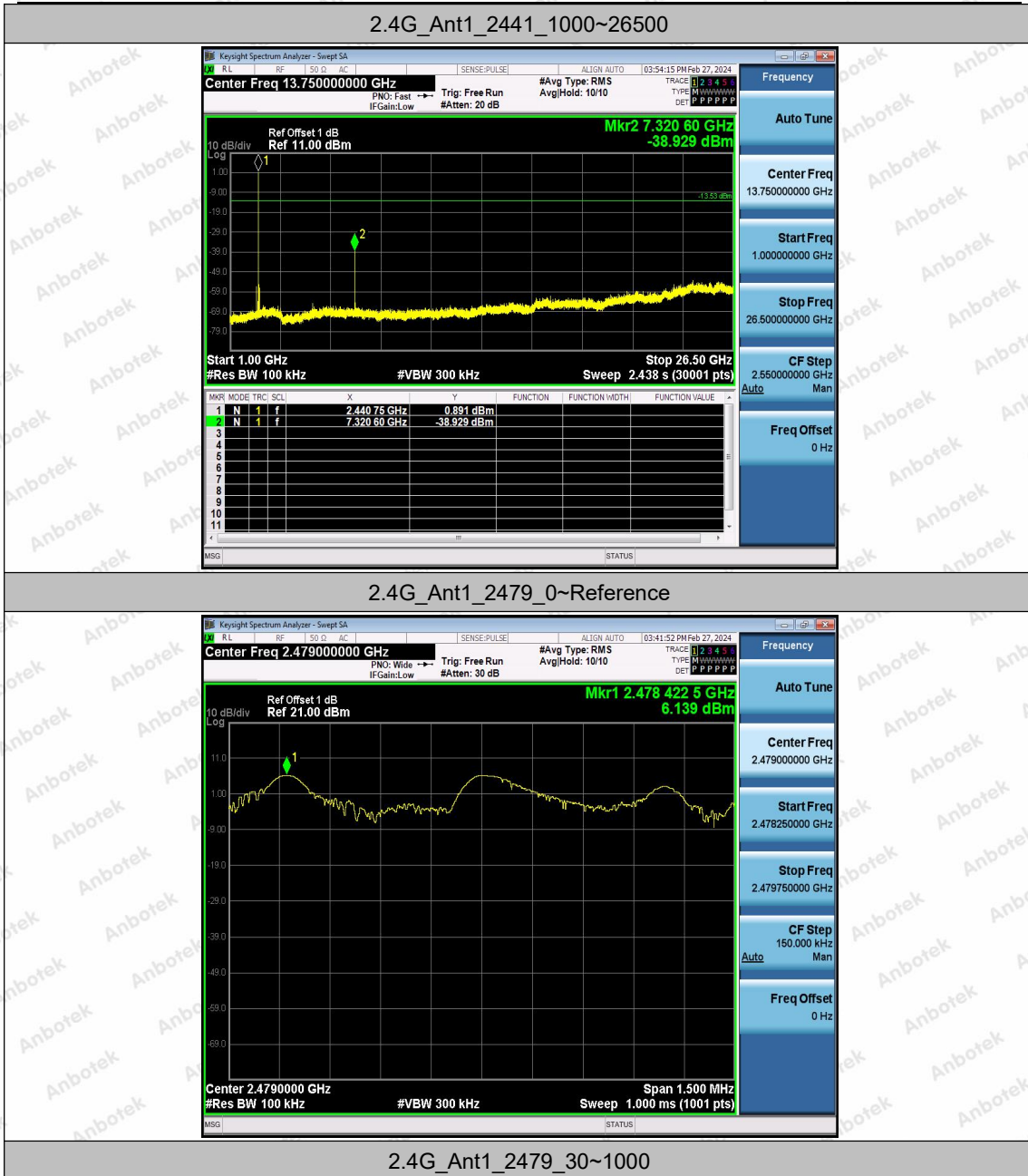


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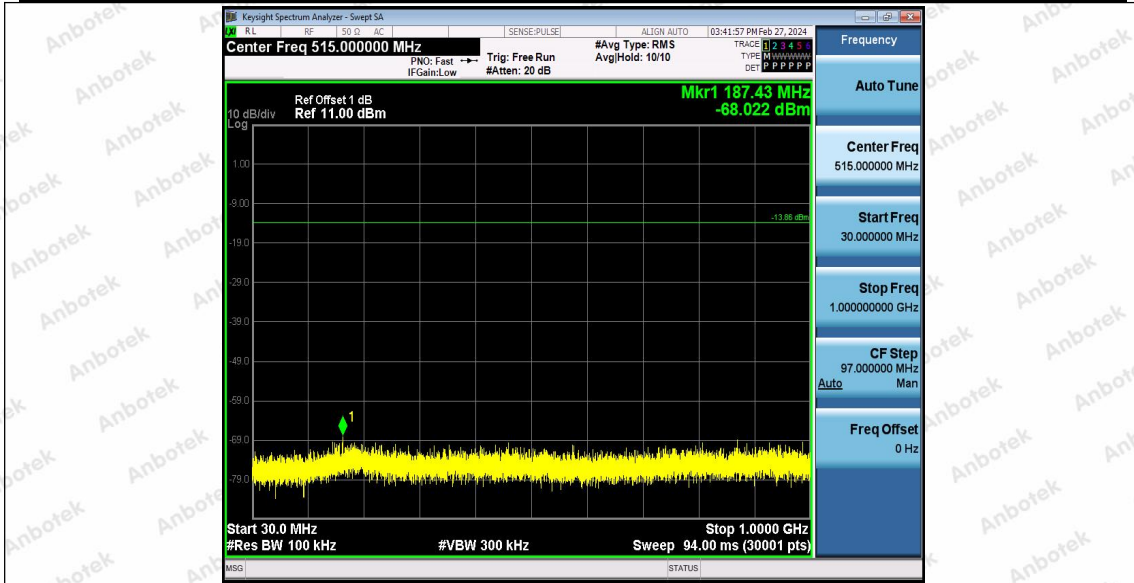


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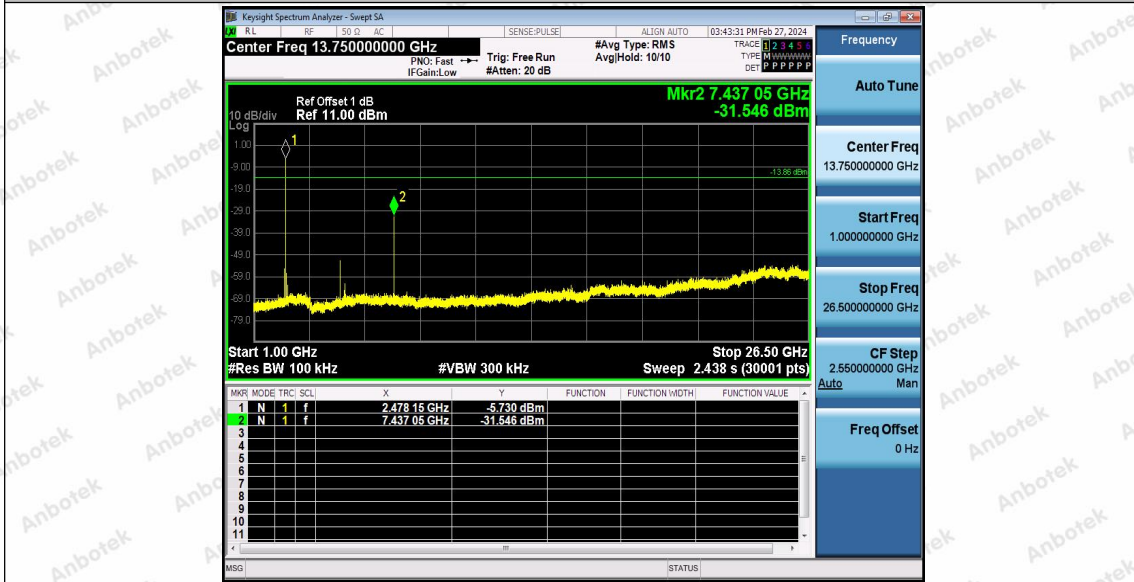
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2.4G_Ant1_2479_1000~26500



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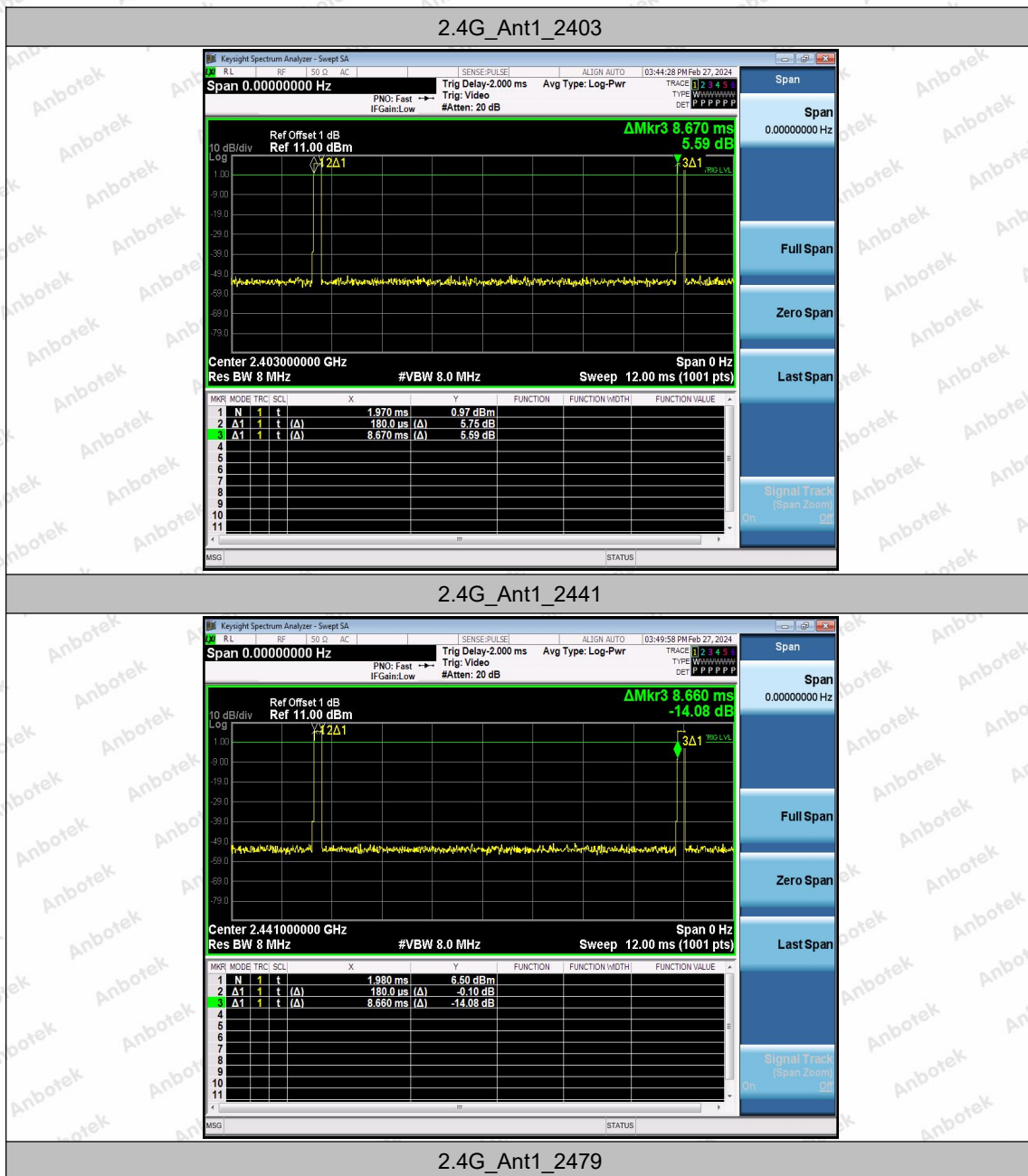


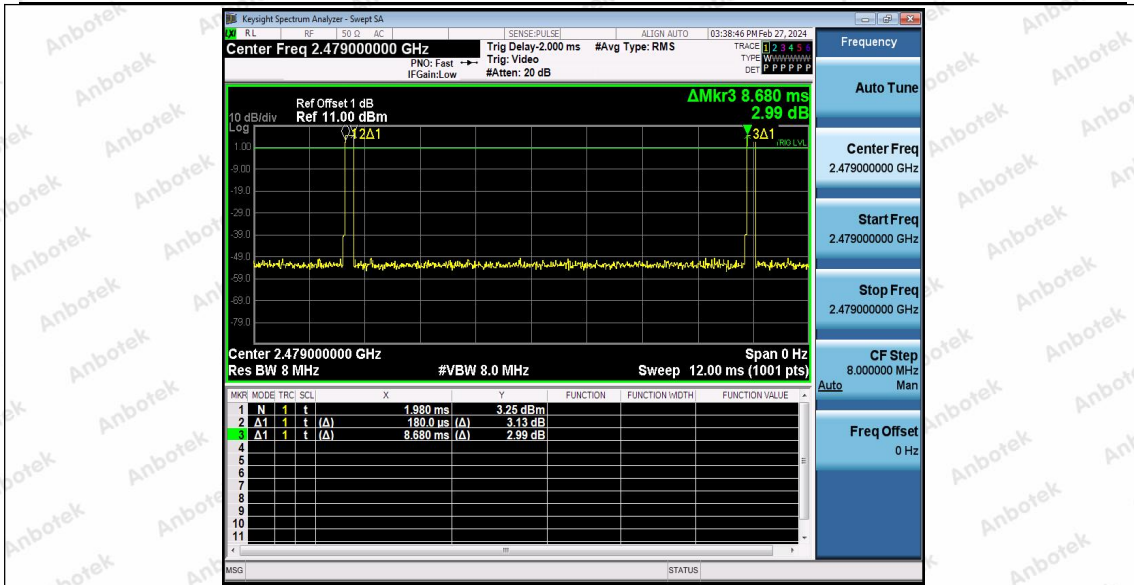
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.18	8.67	2.08	16.82
		2441	0.18	8.66	2.08	16.82
		2479	0.18	8.68	2.07	16.84

Test Graphs





---end---

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