

Appendix Test Data

Report No.:	18220WC40087101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.08	Finish Test Date:	2024.05.09
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.040	2401.975	2404.015	---	---
2.4G	Ant1	2441	2.040	2439.975	2442.015	---	---
2.4G	Ant1	2479	2.050	2477.970	2480.020	---	---



Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2479

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.0747	2401.9249	2403.9996	---	---
2.4G	Ant1	2441	2.0782	2439.9238	2442.0020	---	---
2.4G	Ant1	2479	2.0918	2477.9139	2480.0057	---	---



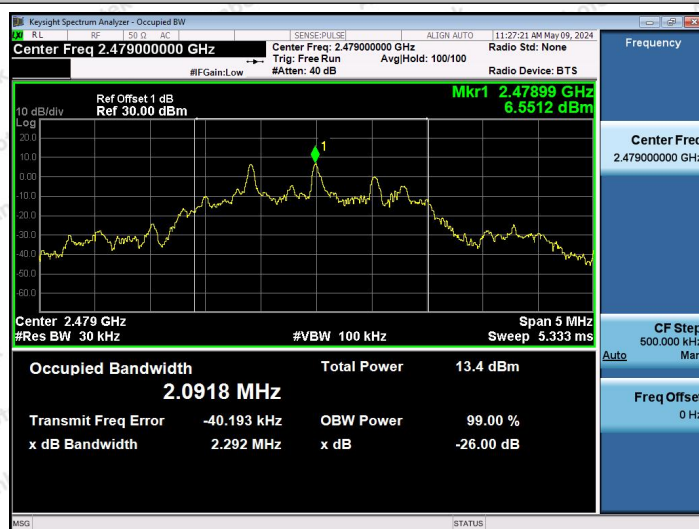
Test Graphs



2.4G-Ant1-2403



2.4G-Ant1-2441



2.4G-Ant1-2479

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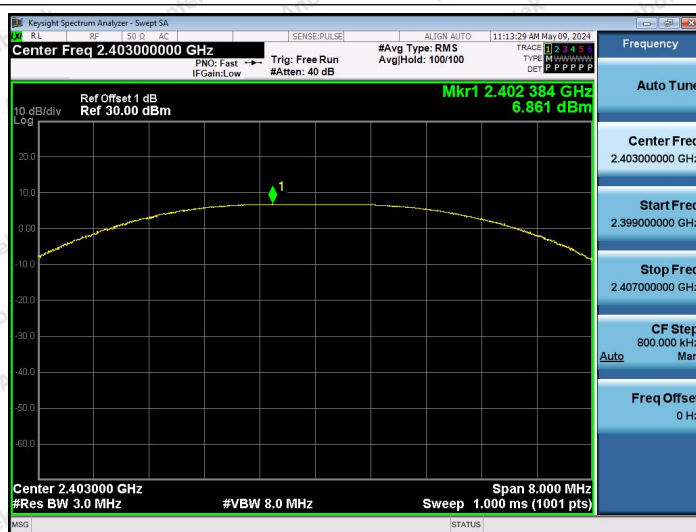


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	6.86	≤20.97	PASS
2.4G	Ant1	2441	6.75	≤20.97	PASS
2.4G	Ant1	2479	6.77	≤20.97	PASS

Test Graphs



2.4G-Ant1-2403-PASS



2.4G-Ant1-2441-PASS



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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	≥1.367	PASS

Test Graphs

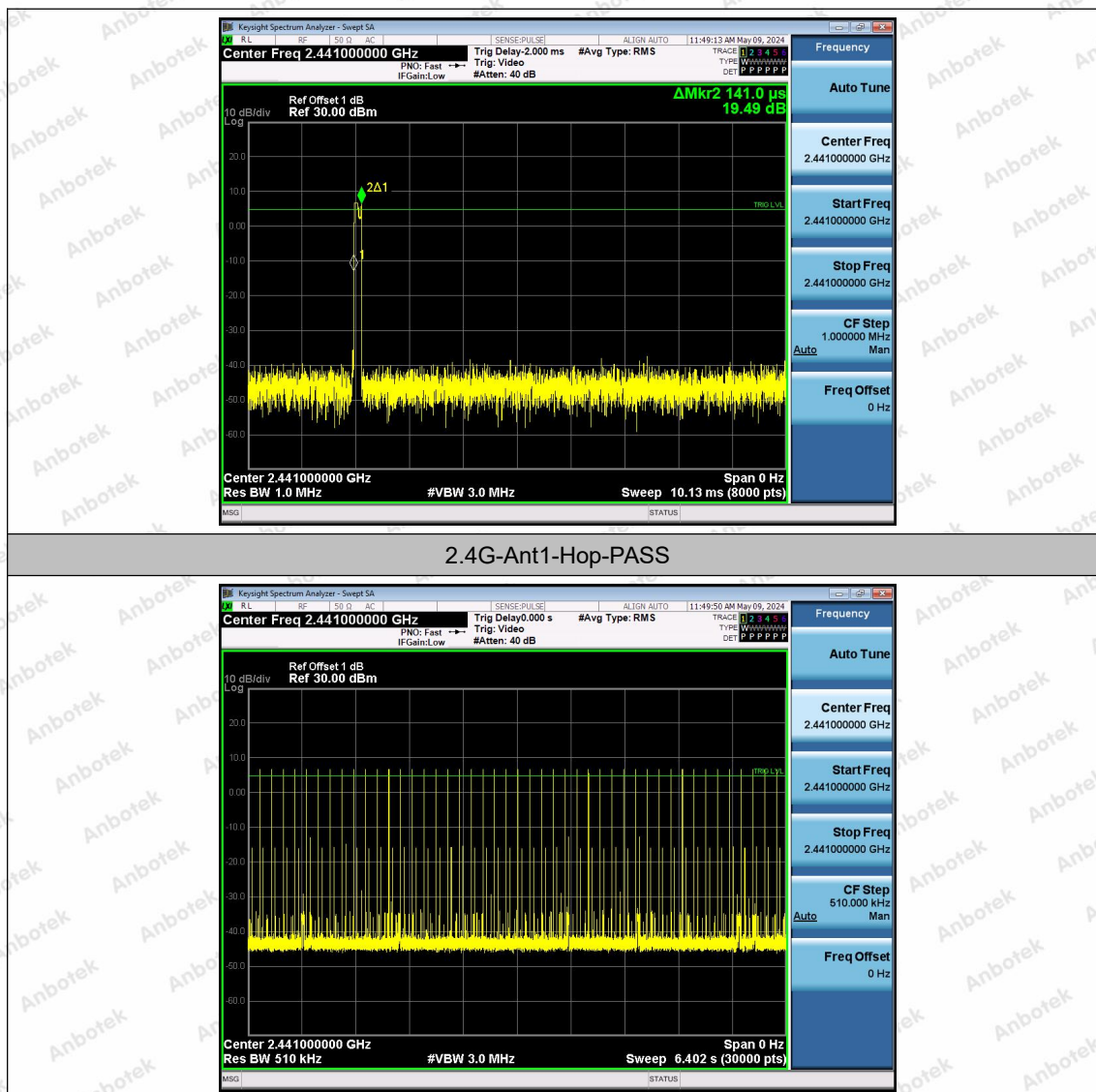


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.141	45	0.006	≤0.4	PASS

Test Graphs

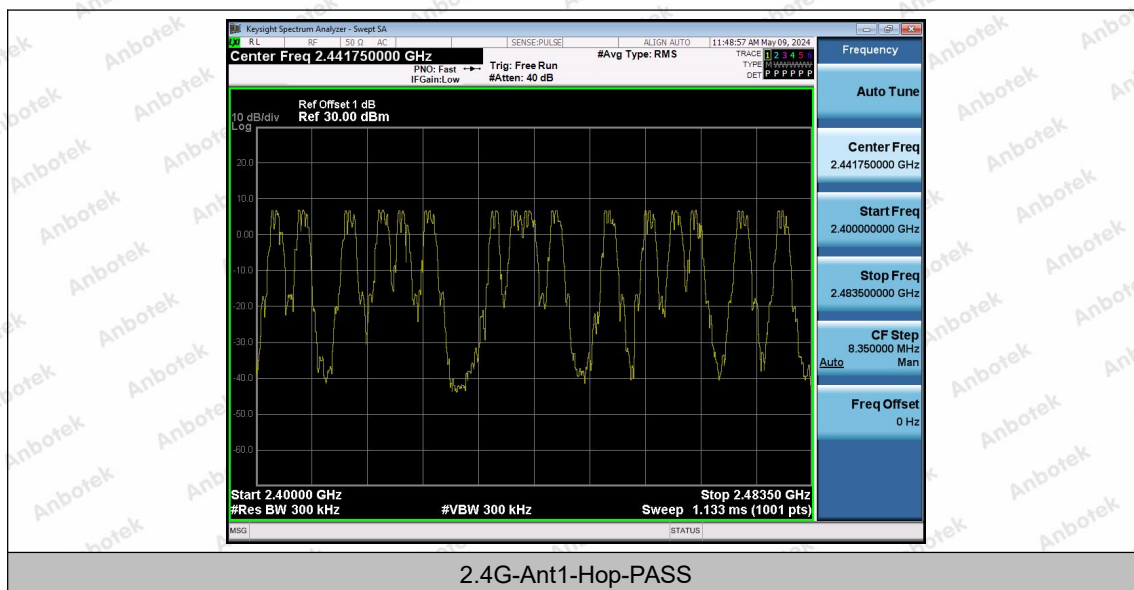


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

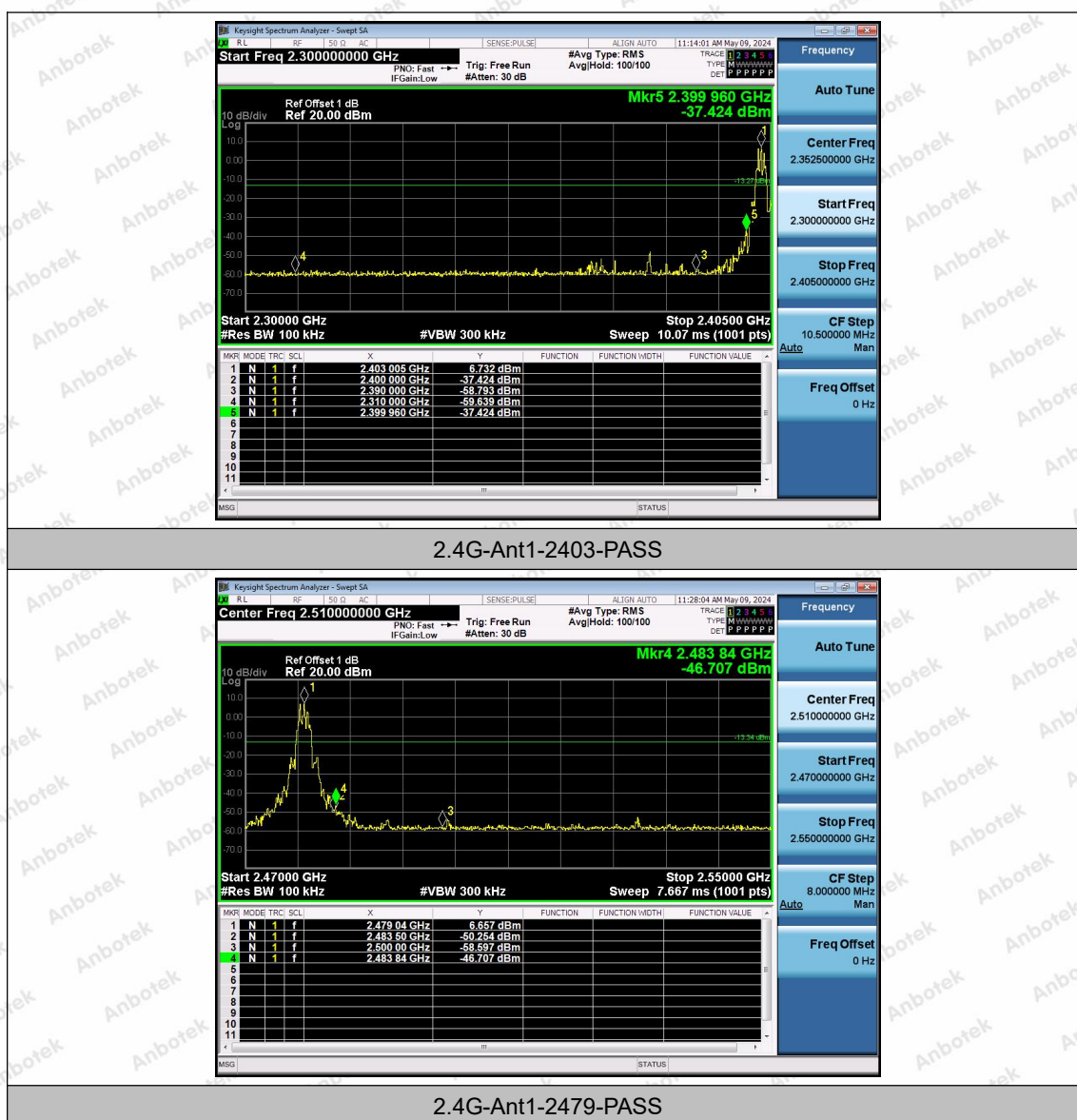


Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	6.73	-37.42	≤-13.27	PASS
2.4G	Ant1	High	2479	6.66	-46.71	≤-13.34	PASS
2.4G	Ant1	Low	Hop_2403	6.80	-38.95	≤-13.2	PASS
2.4G	Ant1	High	Hop_2479	6.75	-38.75	≤-13.25	PASS

Test Graphs



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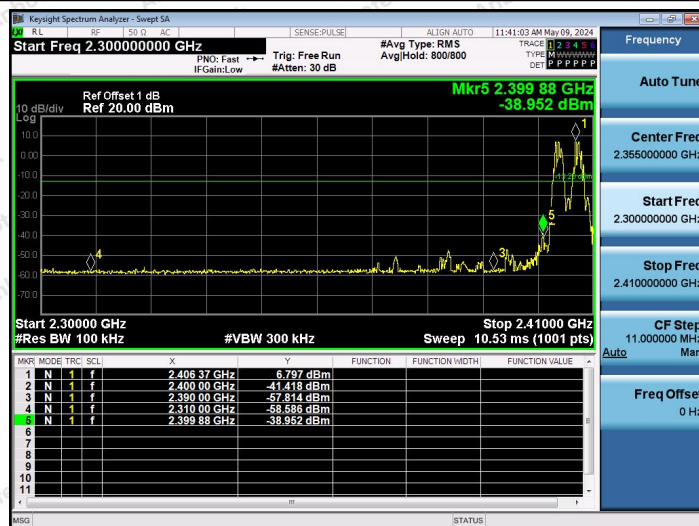


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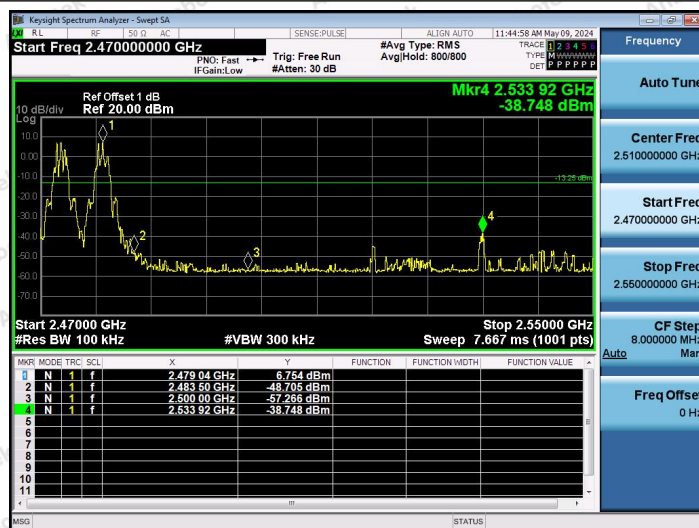
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2.4G-Ant1-Hop_2403-PASS



2.4G-Ant1-Hop_2479-PASS



Appendix H: Conducted Spurious Emission

Test Result

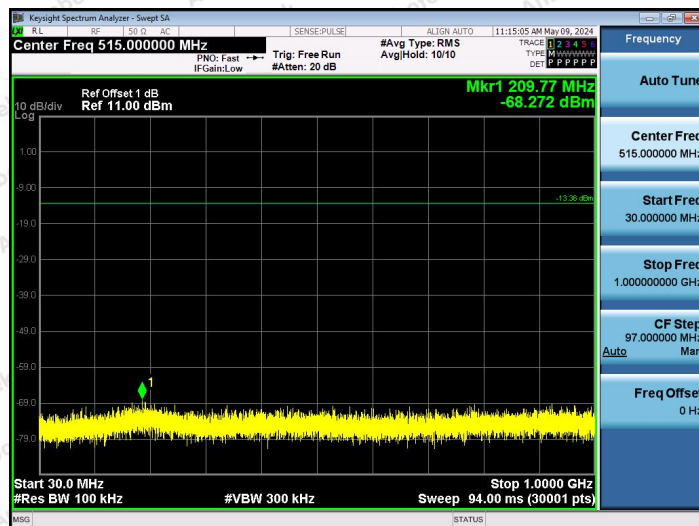
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	6.64	6.64	---	PASS
2.4G	Ant1	2403	30~1000	6.64	-68.27	≤-13.36	PASS
2.4G	Ant1	2403	1000~26500	6.64	-48.46	≤-13.36	PASS
2.4G	Ant1	2441	0~Reference	6.53	6.53	---	PASS
2.4G	Ant1	2441	30~1000	6.53	-67.46	≤-13.47	PASS
2.4G	Ant1	2441	1000~26500	6.53	-32.12	≤-13.47	PASS
2.4G	Ant1	2479	0~Reference	6.57	6.57	---	PASS
2.4G	Ant1	2479	30~1000	6.57	-68.07	≤-13.43	PASS
2.4G	Ant1	2479	1000~26500	6.57	-49.61	≤-13.43	PASS



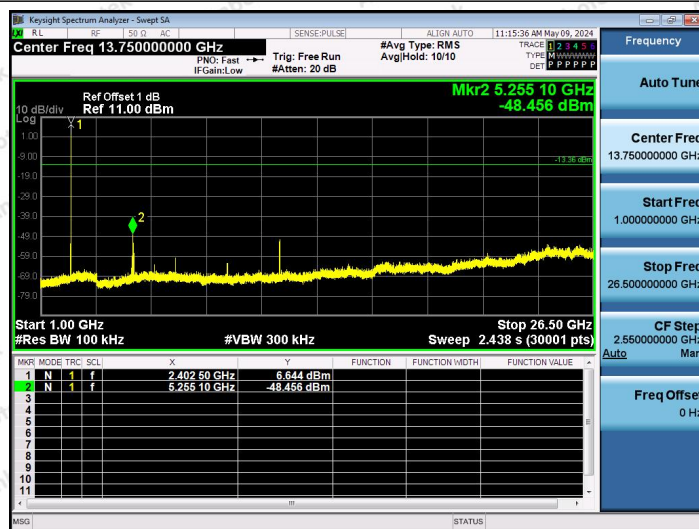
Test Graphs



2.4G-Ant1-2403-0~Reference-PASS



2.4G-Ant1-2403-30~1000-PASS



2.4G-Ant1-2403-1000~26500-PASS

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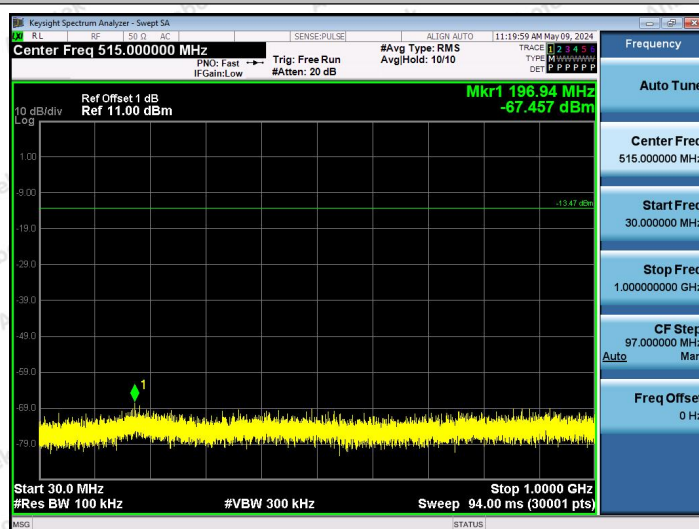
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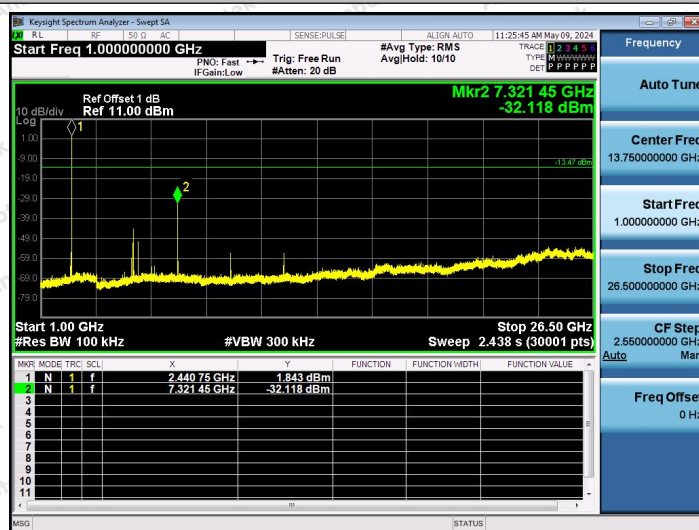




2.4G-Ant1-2441-0~Reference-PASS



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

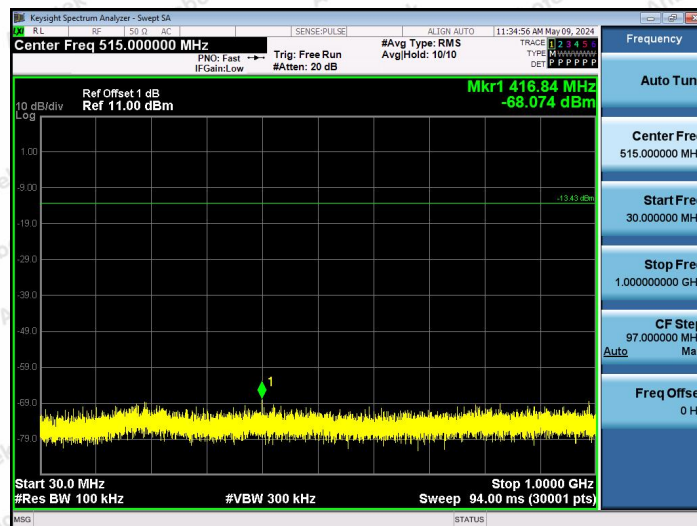


2.4G-Ant1-2441-1000~26500-PASS

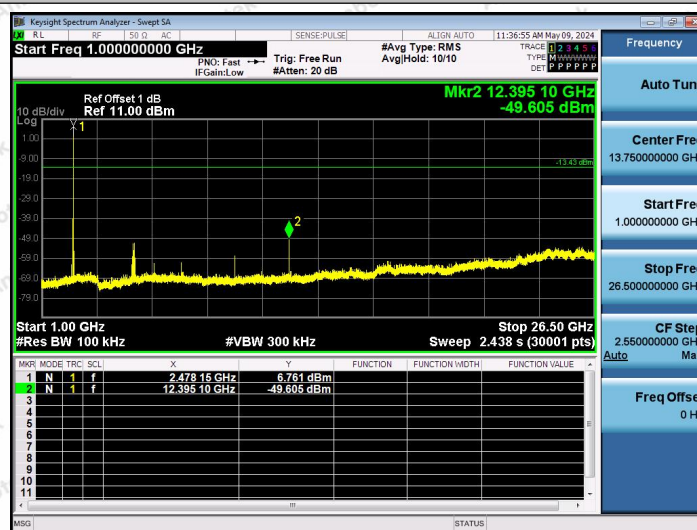




2.4G-Ant1-2479-0~Reference-PASS



2.4G-Ant1-2479-30~1000-PASS



2.4G-Ant1-2479-1000~26500-PASS

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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	8.58	1.63	17.88
2.4G	Ant1	2441	0.14	8.59	1.63	17.88
2.4G	Ant1	2479	0.14	8.57	1.63	17.88

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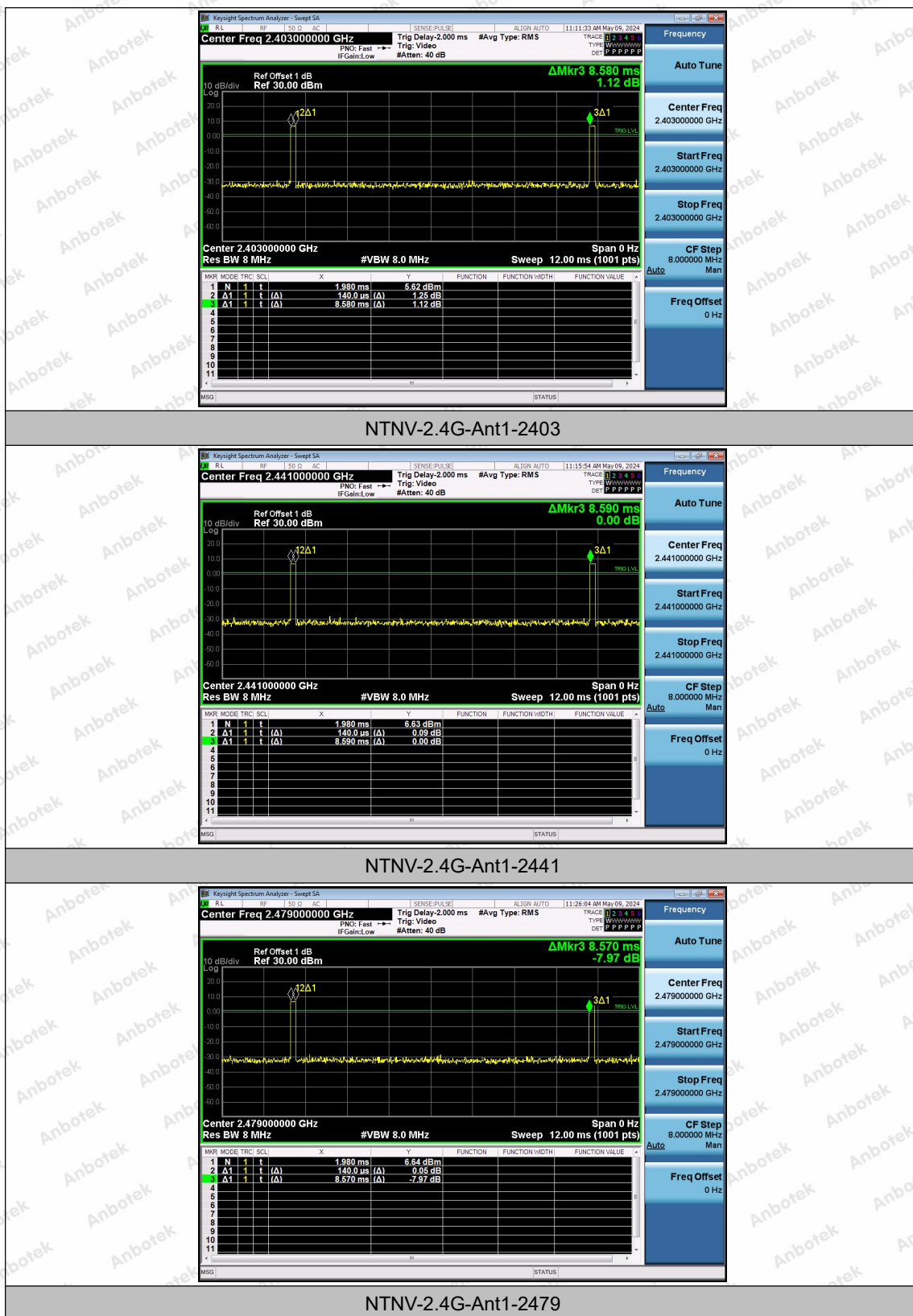
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Test Graphs



---End---

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