

Appendix Test Data

Report No.:	18220WC40091903	Test Sample No.:	1-2-2
Start Test Date:	2024.05.07	Finish Test Date:	2024.05.13
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	2405	1.780	2404.095	2405.875	---	---
2.4G	Ant1	2441	1.710	2440.170	2441.880	---	---
2.4G	Ant1	2475	1.785	2474.095	2475.880	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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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	2405	1.9367	2404.0037	2405.9404	---	---
2.4G	Ant1	2441	1.9129	2440.0293	2441.9422	---	---
2.4G	Ant1	2475	1.9030	2474.0389	2475.9419	---	---

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Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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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	2405	1.99	≤20.97	PASS
2.4G	Ant1	2441	1.27	≤20.97	PASS
2.4G	Ant1	2475	0.36	≤20.97	PASS

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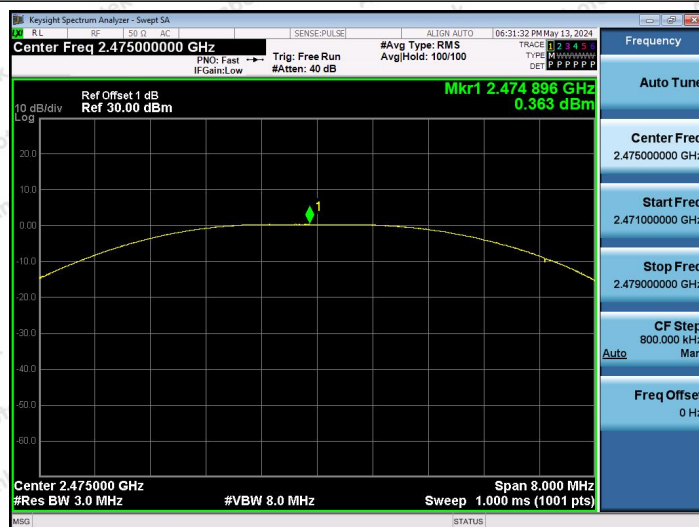
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2441-PASS



2.4G-Ant1-2475-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	≥1.785	PASS

Test Graphs

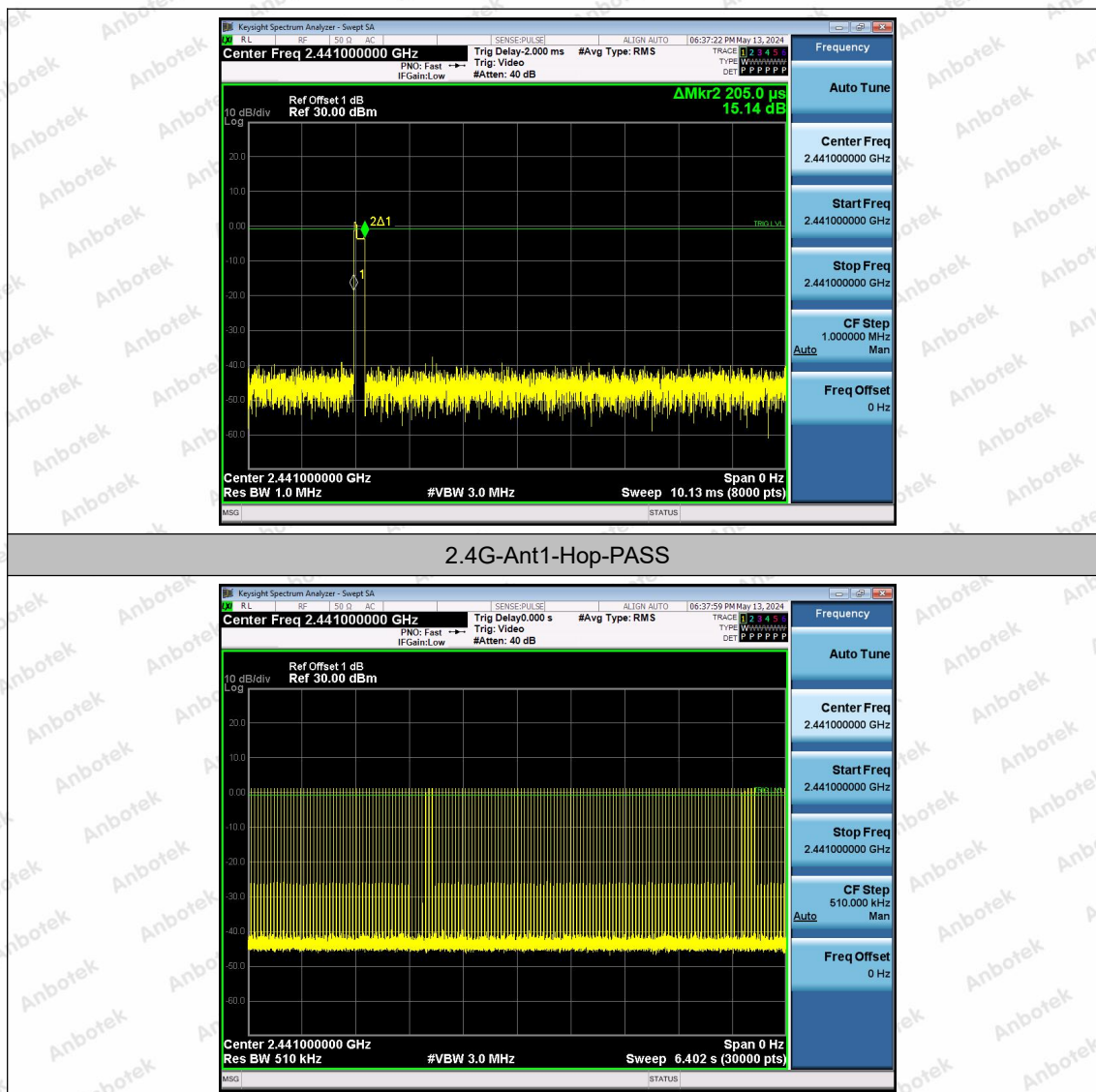


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.205	163	0.033	≤0.4	PASS

Test Graphs



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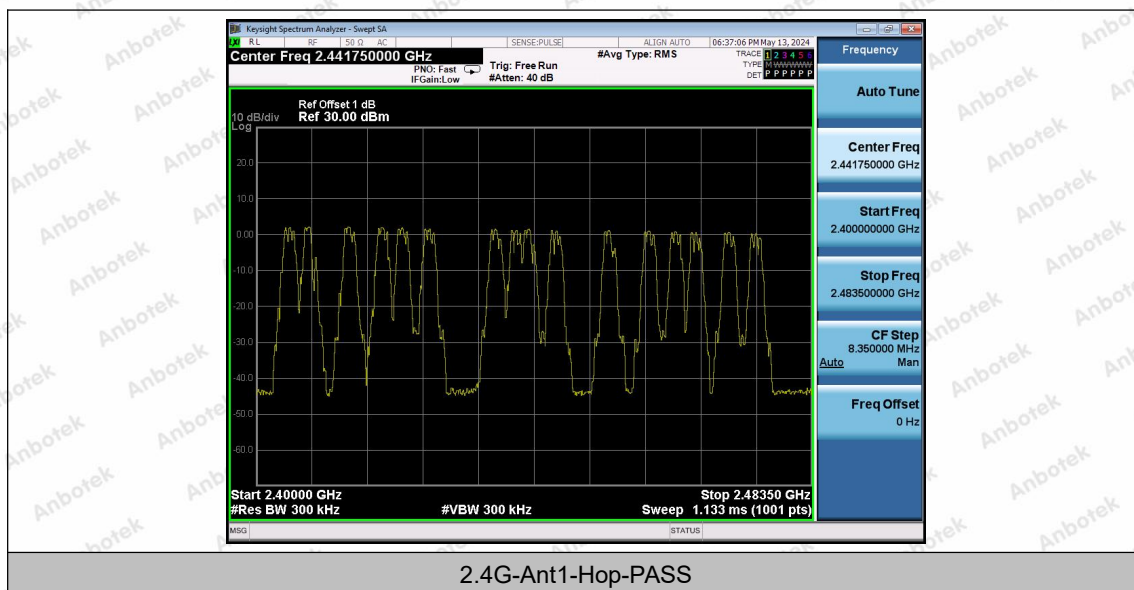


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

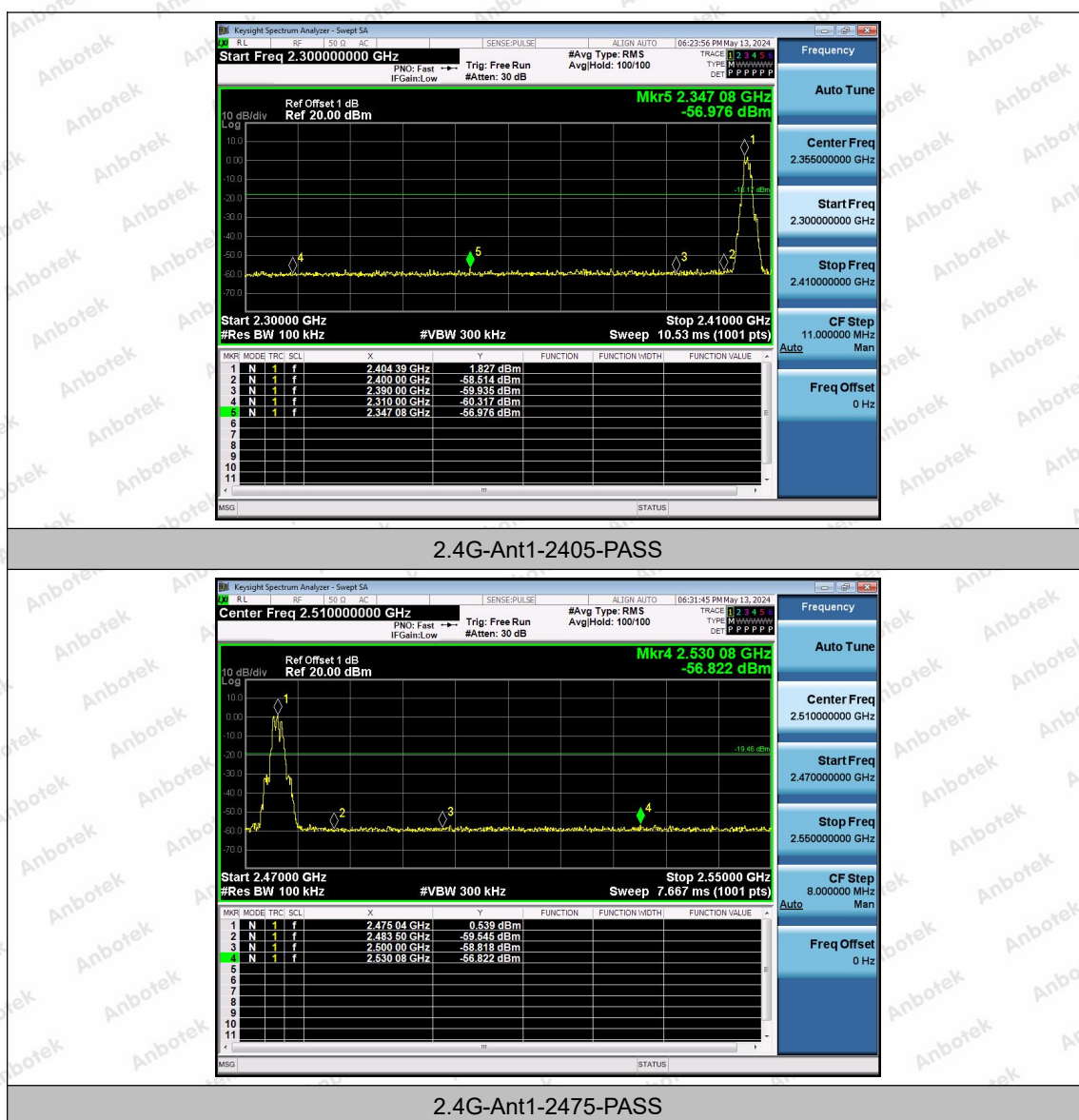


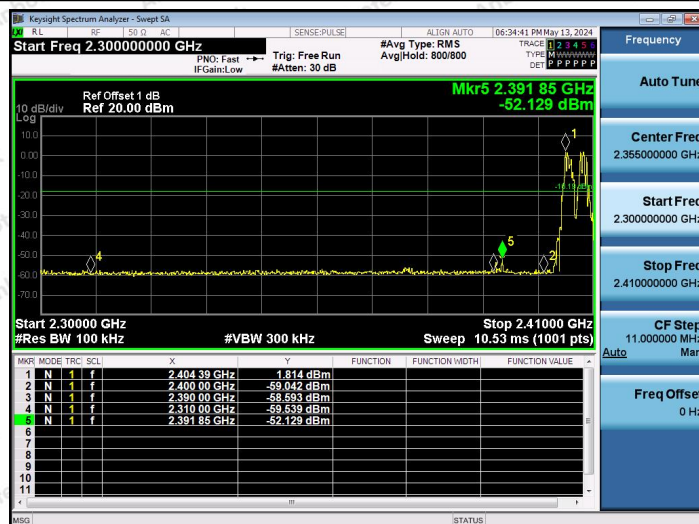
Appendix G: Conducted Band edge

Test Result

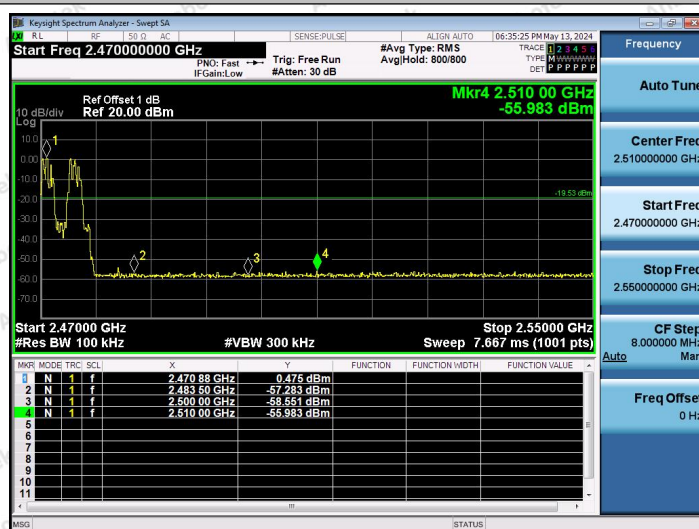
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	1.83	-56.98	≤-18.17	PASS
2.4G	Ant1	High	2475	0.54	-56.82	≤-19.46	PASS
2.4G	Ant1	Low	Hop_2405	1.81	-52.13	≤-18.19	PASS
2.4G	Ant1	High	Hop_2475	0.48	-55.98	≤-19.53	PASS

Test Graphs





2.4G-Ant1-Hop_2405-PASS



2.4G-Ant1-Hop_2475-PASS



Appendix H: Conducted Spurious Emission

Test Result

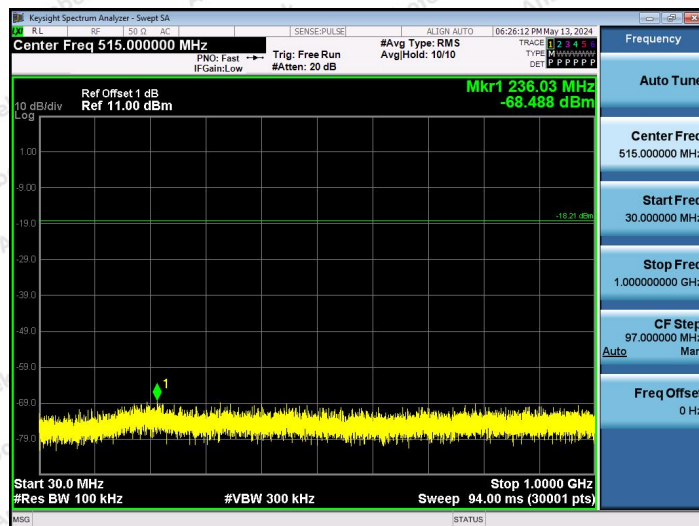
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	1.79	1.79	---	PASS
2.4G	Ant1	2405	30~1000	1.79	-68.49	≤-18.21	PASS
2.4G	Ant1	2405	1000~26500	1.79	-53.45	≤-18.21	PASS
2.4G	Ant1	2441	0~Reference	1.06	1.06	---	PASS
2.4G	Ant1	2441	30~1000	1.06	-67.82	≤-18.94	PASS
2.4G	Ant1	2441	1000~26500	1.06	-51.55	≤-18.94	PASS
2.4G	Ant1	2475	0~Reference	0.17	0.17	---	PASS
2.4G	Ant1	2475	30~1000	0.17	-68.35	≤-19.83	PASS
2.4G	Ant1	2475	1000~26500	0.17	-53.62	≤-19.83	PASS



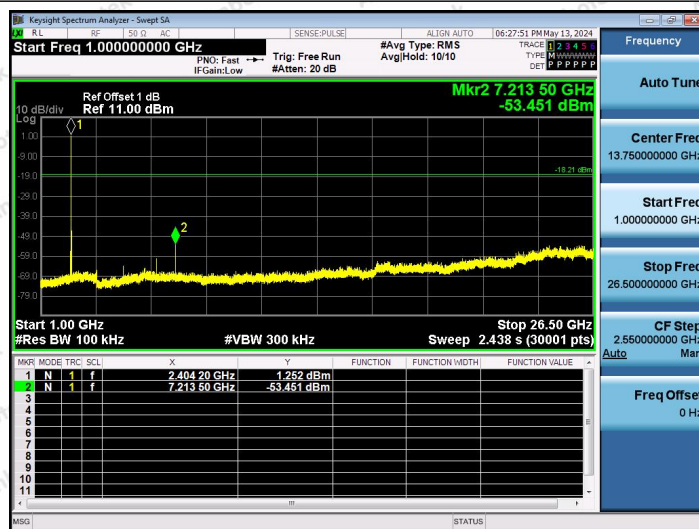
Test Graphs



2.4G-Ant1-2405-0~Reference-PASS



2.4G-Ant1-2405-30~1000-PASS



2.4G-Ant1-2405-1000~26500-PASS

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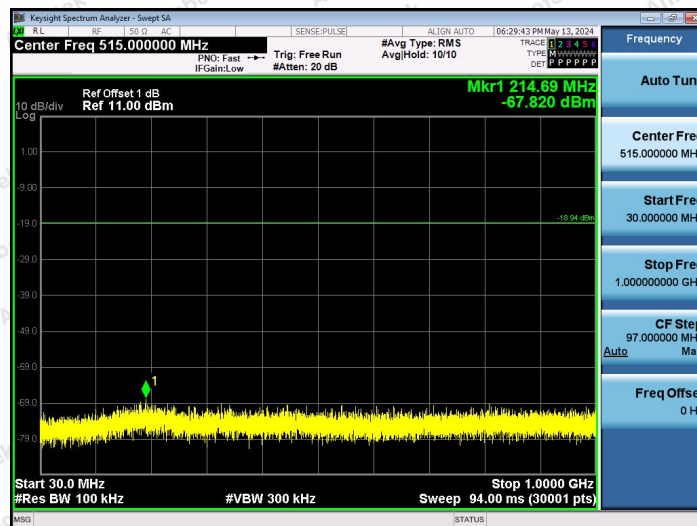
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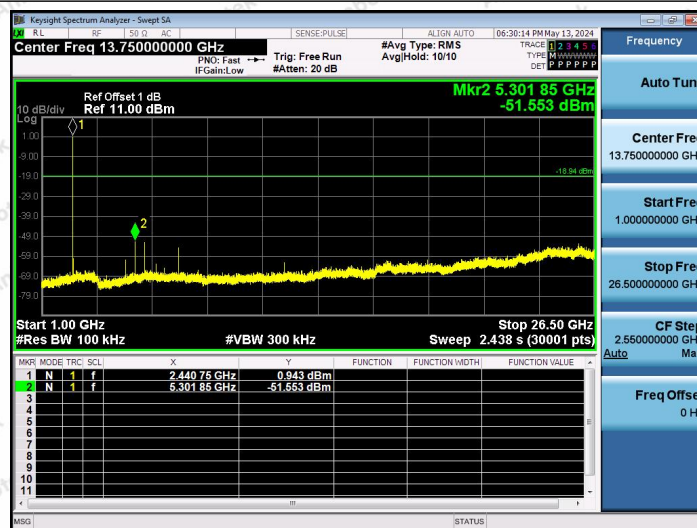




2.4G-Ant1-2441-0~Reference-PASS



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



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

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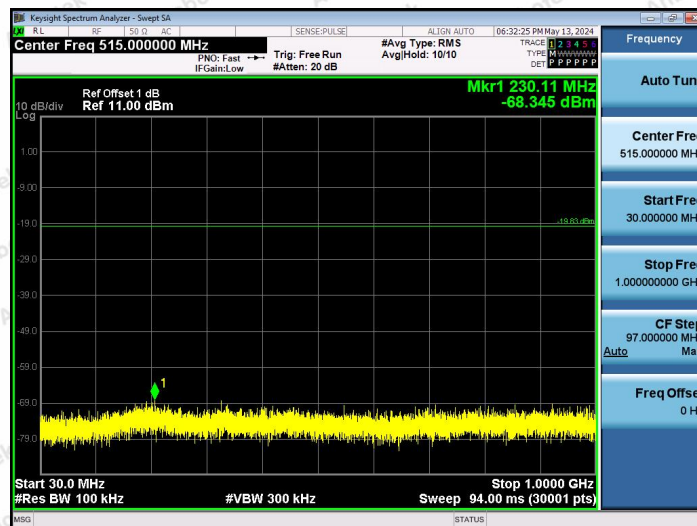
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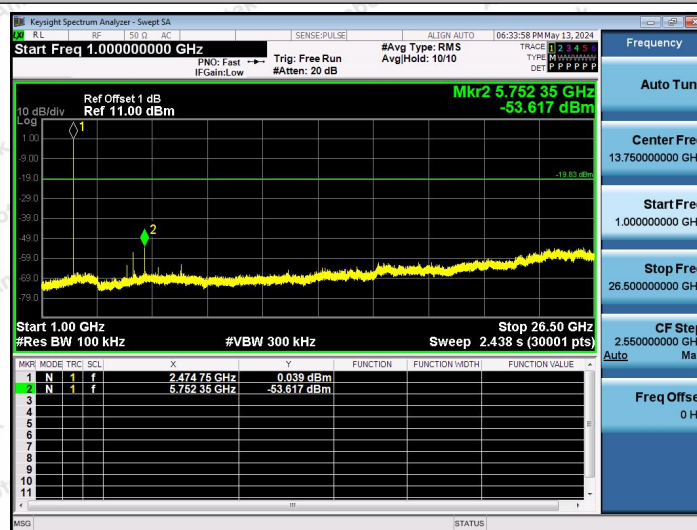




2.4G-Ant1-2475-0~Reference-PASS



2.4G-Ant1-2475-30~1000-PASS



2.4G-Ant1-2475-1000~26500-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	2405	0.21	2.45	8.57	10.67
2.4G	Ant1	2441	0.20	2.43	8.23	10.85
2.4G	Ant1	2475	0.20	2.43	8.23	10.85

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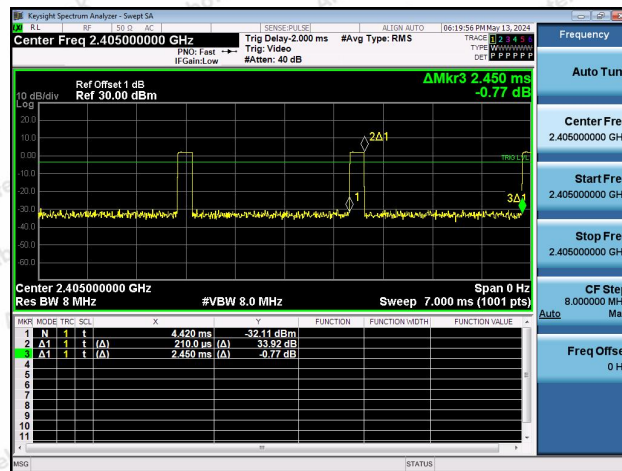
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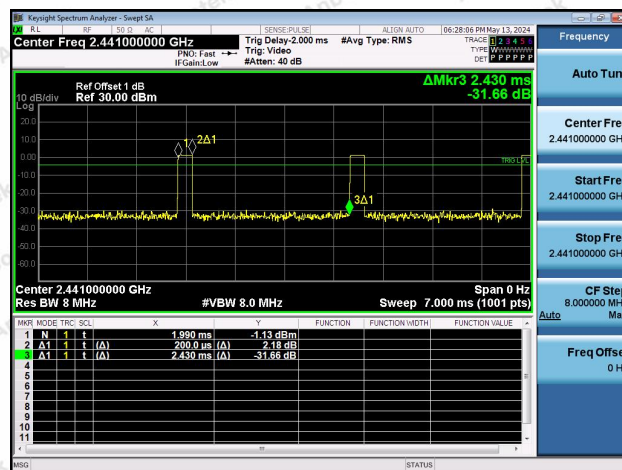
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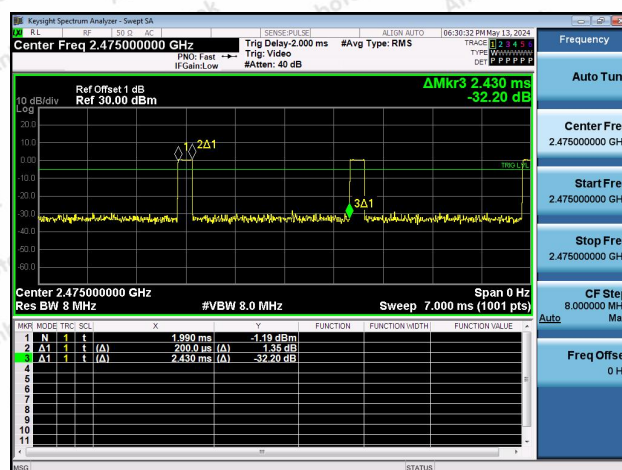
Test Graphs



NTNV-2.4G-Ant1-2405



NTNV-2.4G-Ant1-2441



NTNV-2.4G-Ant1-2475

---End---

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