

Appendix Test Data

Report No.:	182519C400134101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.17	Finish Test Date:	2024.7.17
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

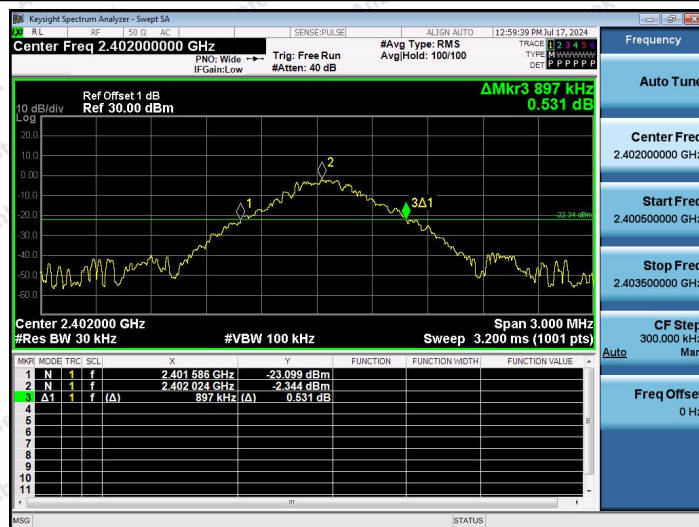
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.897	2401.586	2402.483	---	---
2.4G	Ant1	2441	0.927	2440.586	2441.513	---	---
2.4G	Ant1	2480	0.942	2479.589	2480.531	---	---



Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2441



2.4G-Ant1-2480

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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	2402	0.86015	2401.6194	2402.4795	---	---
2.4G	Ant1	2441	0.86158	2440.6193	2441.4809	---	---
2.4G	Ant1	2480	0.84667	2479.6201	2480.4668	---	---

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Test Graphs



2.4G-Ant1-2402



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	2402	0.40	≤20.97	PASS
2.4G	Ant1	2441	0.91	≤20.97	PASS
2.4G	Ant1	2480	0.87	≤20.97	PASS

Test Graphs



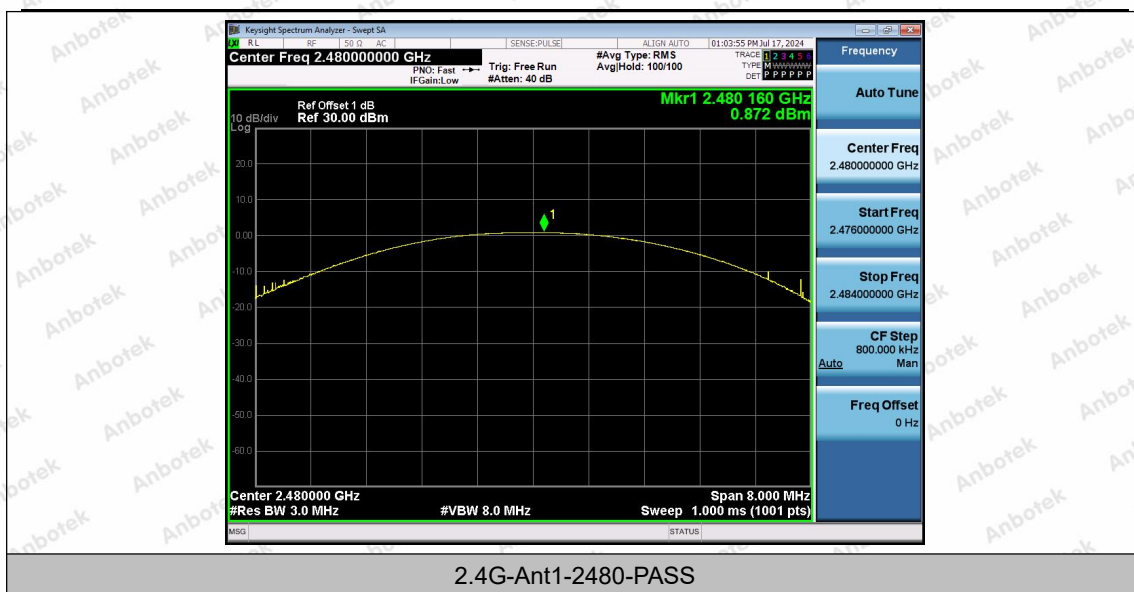
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.998	≥0.628	PASS

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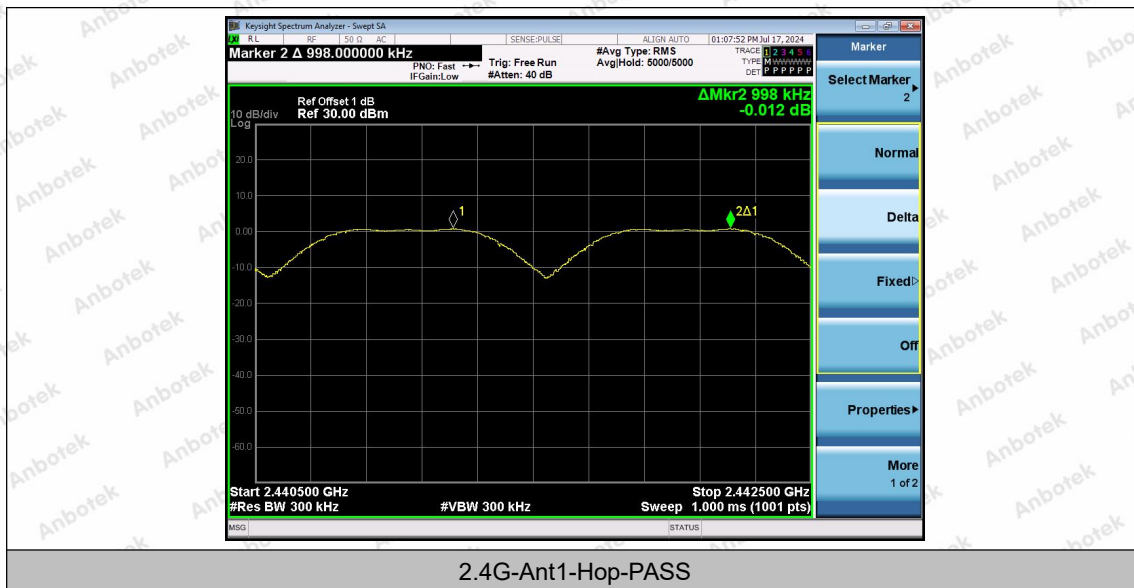
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Test Graphs



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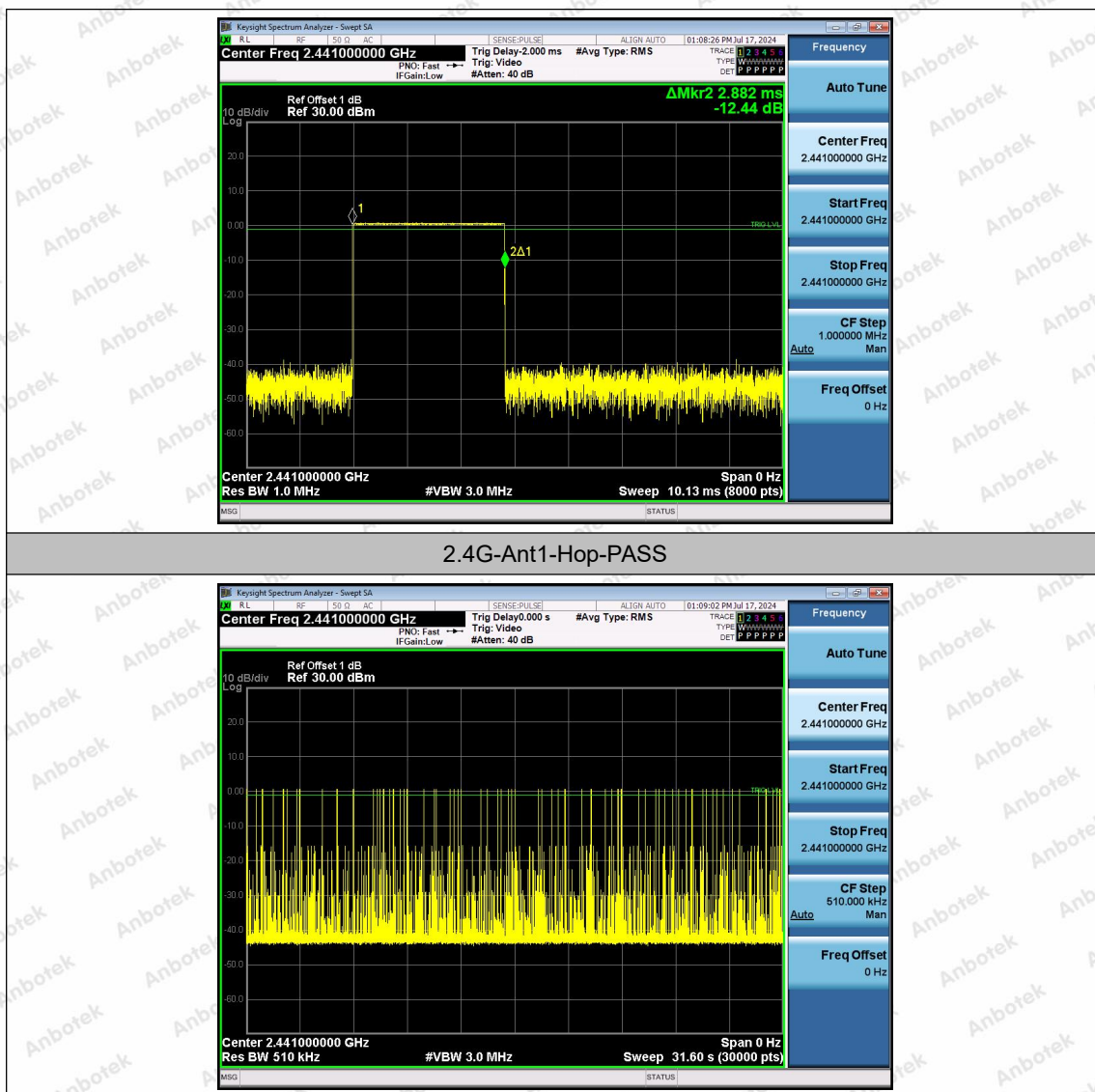
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.882	79	0.228	≤0.4	PASS



Test Graphs



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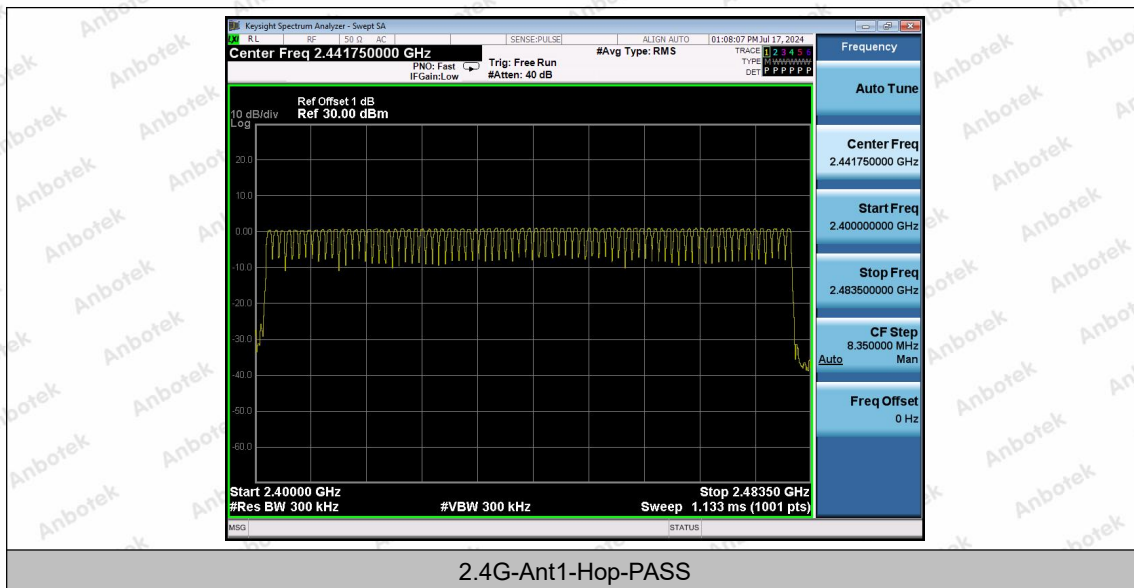
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS



Test Graphs



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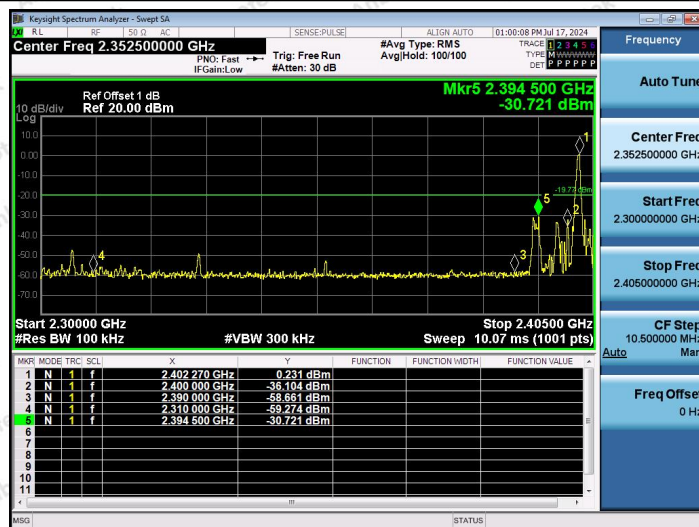
Appendix G: Conducted Band edge

Test Result

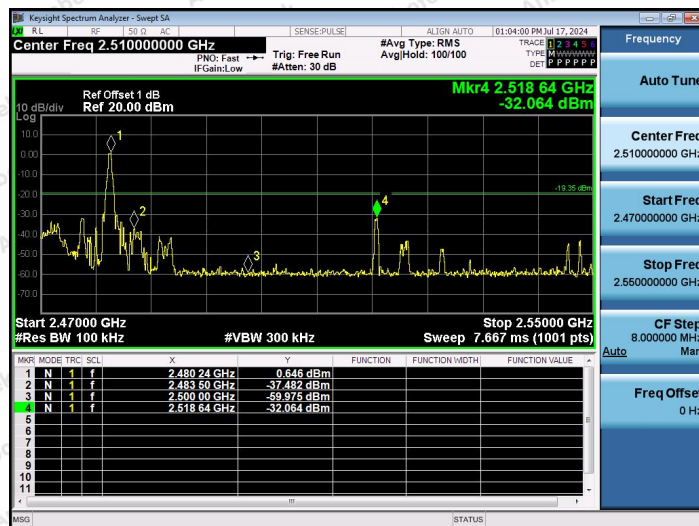
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	0.23	-30.72	≤-19.77	PASS
2.4G	Ant1	High	2480	0.65	-32.06	≤-19.35	PASS
2.4G	Ant1	Low	Hop_2402	-0.22	-25.43	≤-20.22	PASS
2.4G	Ant1	High	Hop_2480	0.20	-37.93	≤-19.8	PASS



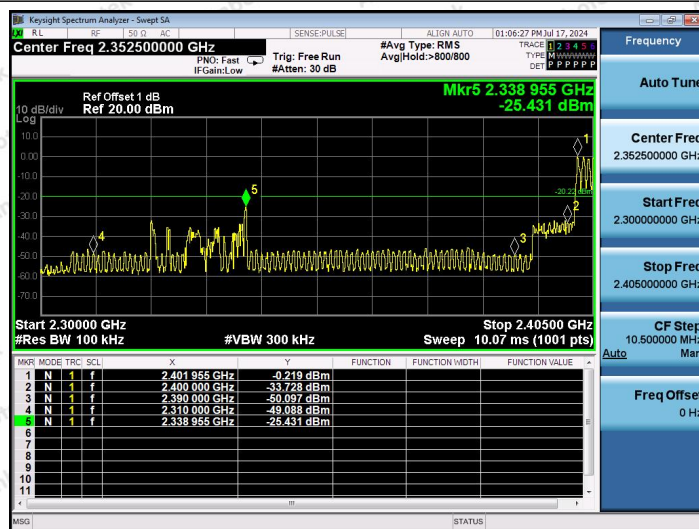
Test Graphs



2.4G-Ant1-2402-PASS



2.4G-Ant1-2480-PASS



2.4G-Ant1-Hop_2402-PASS

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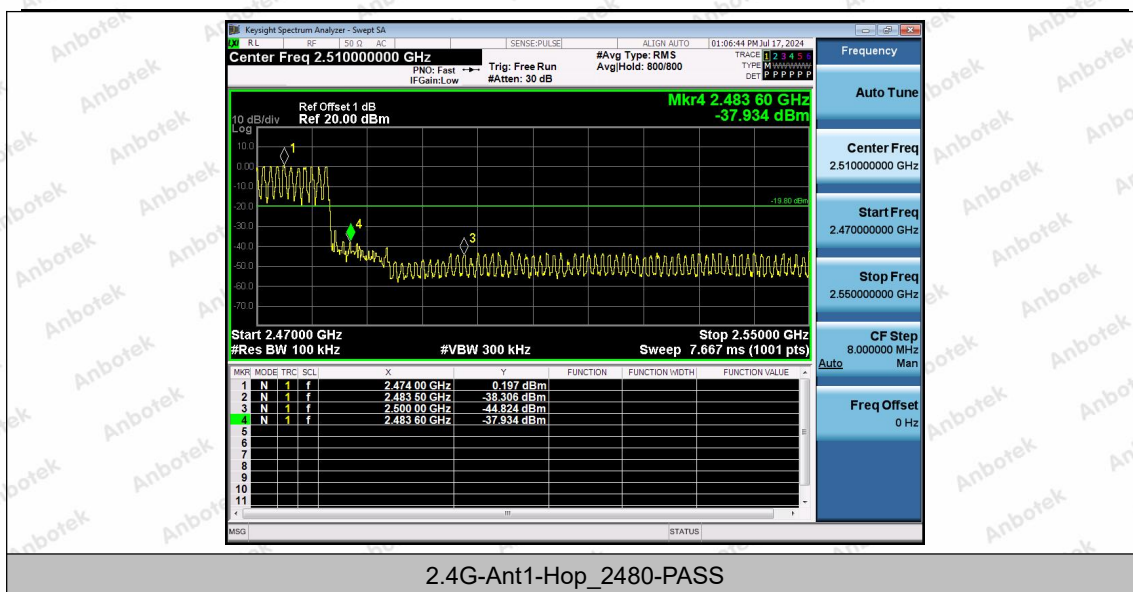


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Appendix H: Conducted Spurious Emission

Test Result

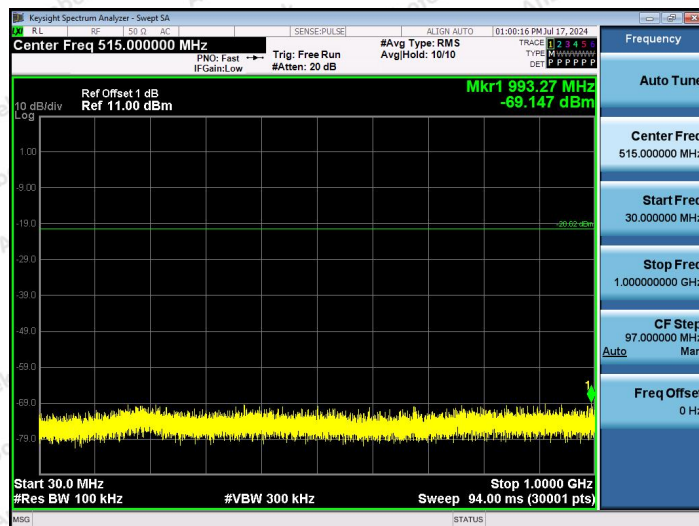
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-0.62	-0.62	---	PASS
2.4G	Ant1	2402	30~1000	-0.62	-69.15	≤-20.62	PASS
2.4G	Ant1	2402	1000~26500	-0.62	-43.51	≤-20.62	PASS
2.4G	Ant1	2441	0~Reference	0.16	0.16	---	PASS
2.4G	Ant1	2441	30~1000	0.16	-68.17	≤-19.84	PASS
2.4G	Ant1	2441	1000~26500	0.16	-36.48	≤-19.84	PASS
2.4G	Ant1	2480	0~Reference	-0.09	-0.09	---	PASS
2.4G	Ant1	2480	30~1000	-0.09	-68.41	≤-20.09	PASS
2.4G	Ant1	2480	1000~26500	-0.09	-43.65	≤-20.09	PASS



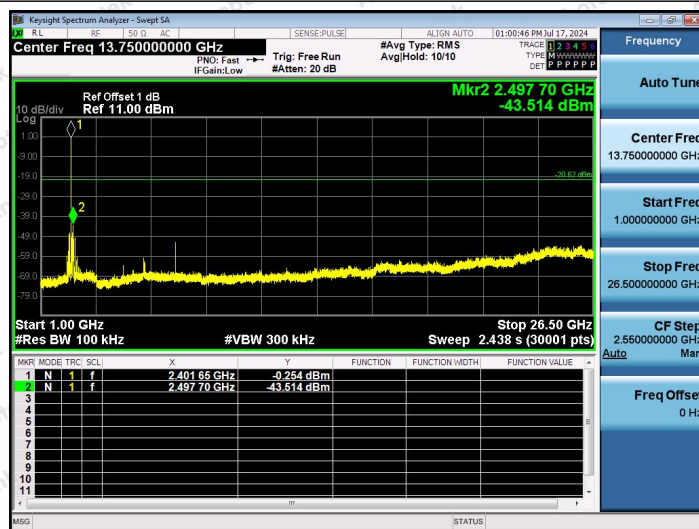
Test Graphs



2.4G-Ant1-2402-0~Reference-PASS



2.4G-Ant1-2402-30~1000-PASS



2.4G-Ant1-2402-1000~26500-PASS

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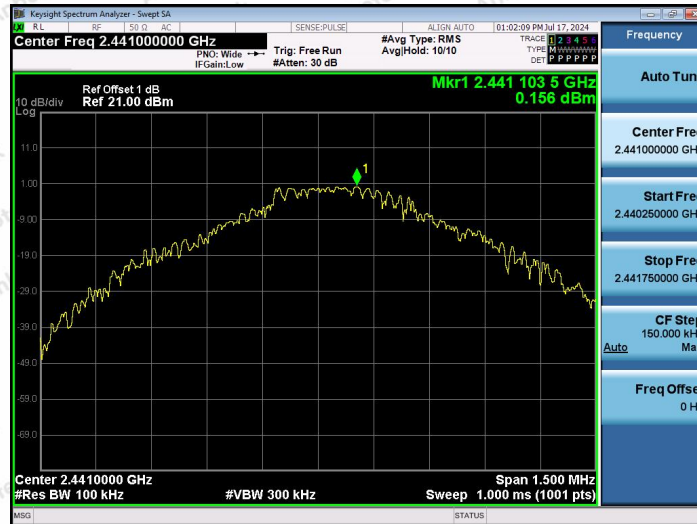


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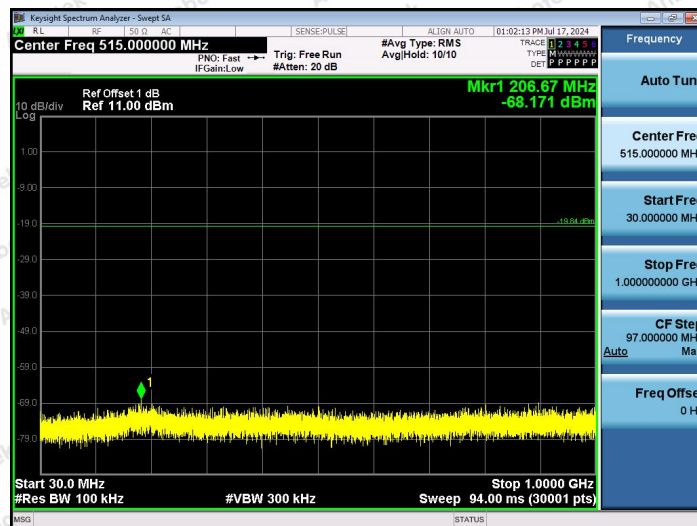
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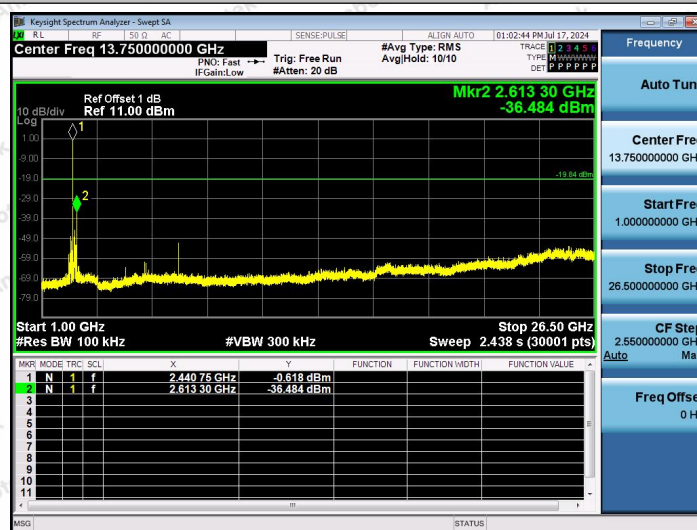




2.4G-Ant1-2441-0~Reference-PASS



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



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

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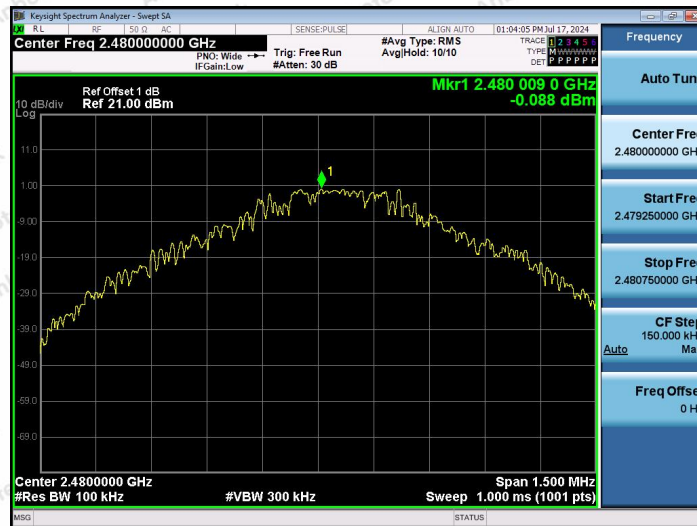


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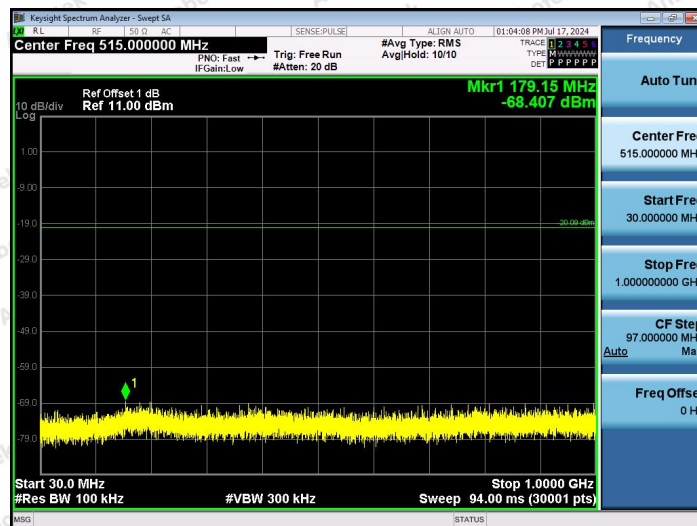
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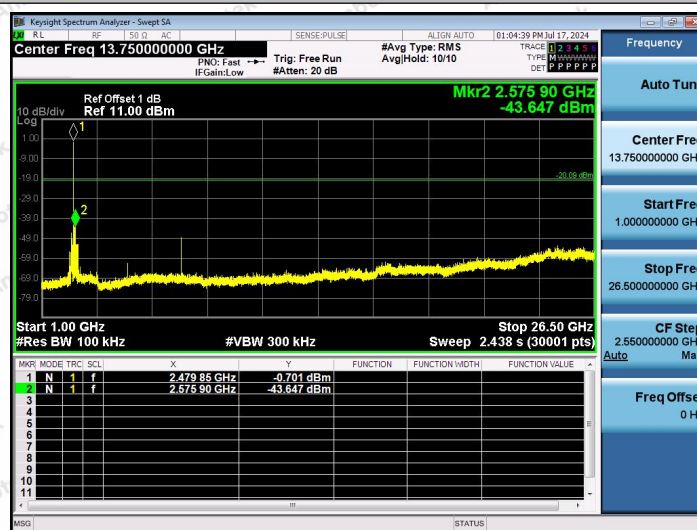




2.4G-Ant1-2480-0~Reference-PASS



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



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

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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	6.24	46.15	3.36
2.4G	Ant1	2441	2.90	6.26	46.33	3.34
2.4G	Ant1	2480	2.88	6.26	46.01	3.37

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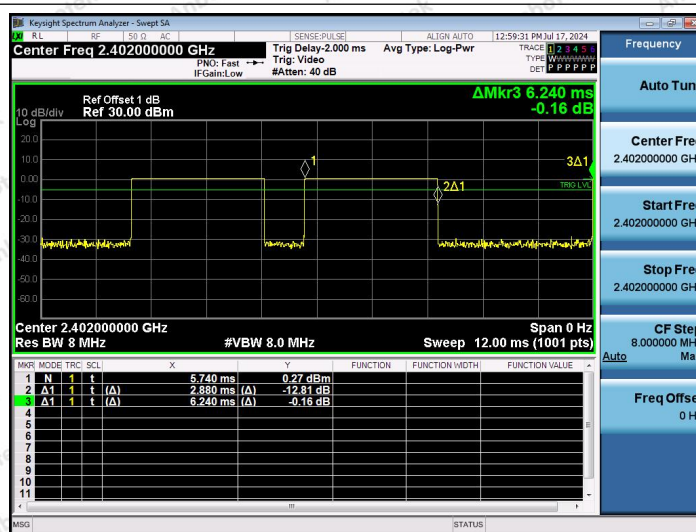
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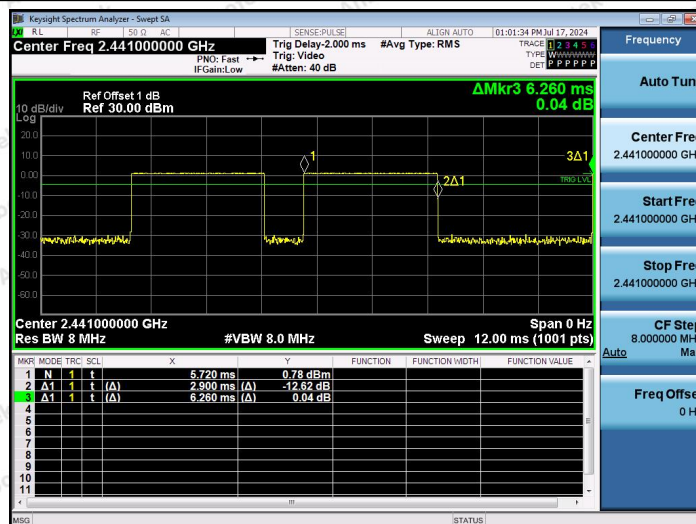
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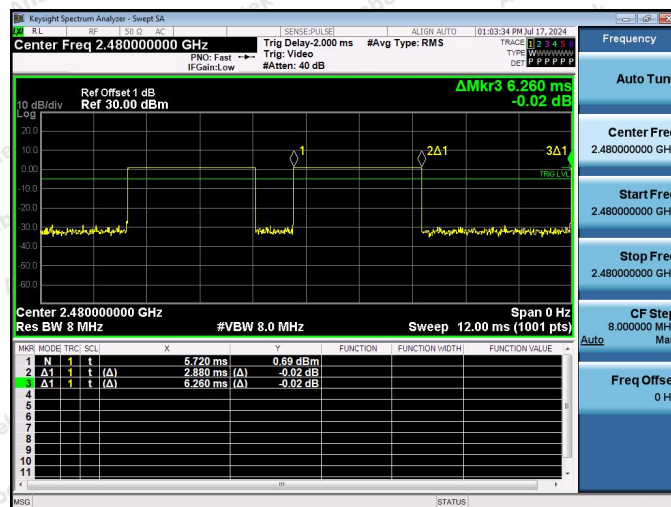
Test Graphs



NTNV-2.4G-Ant1-2402



NTNV-2.4G-Ant1-2441



NTNV-2.4G-Ant1-2480

---End---

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