

Appendix Test Data_ANT1

Report No.:	1812C40076212503	Test Sample No.:	1-2-2
Start Test Date:	2024.09.24	Finish Test Date:	2024.09.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

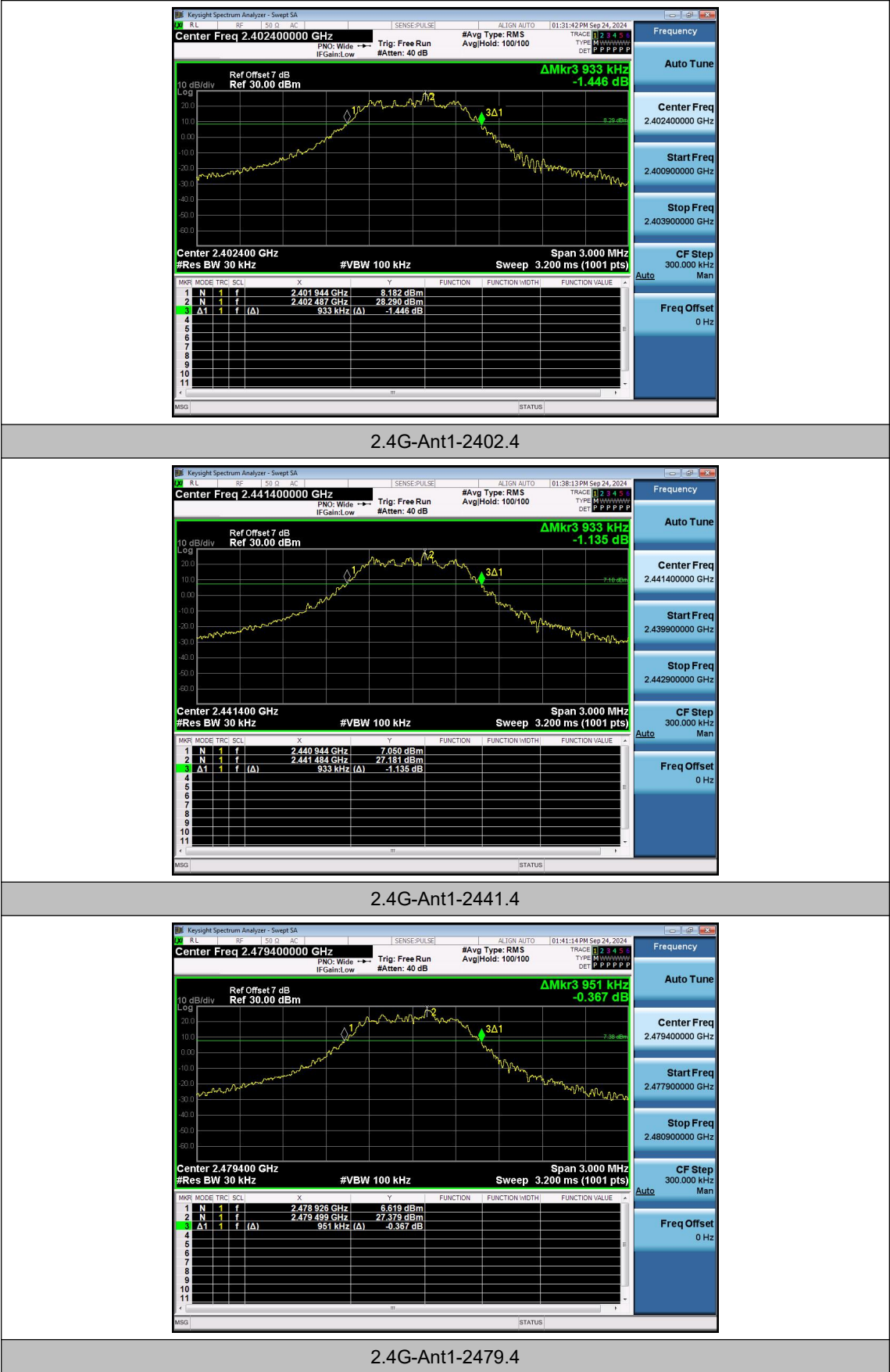
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.933	2401.944	2402.877	---	---
2.4G	Ant1	2441.4	0.933	2440.944	2441.877	---	---
2.4G	Ant1	2479.4	0.951	2478.926	2479.877	---	---



Test Graphs



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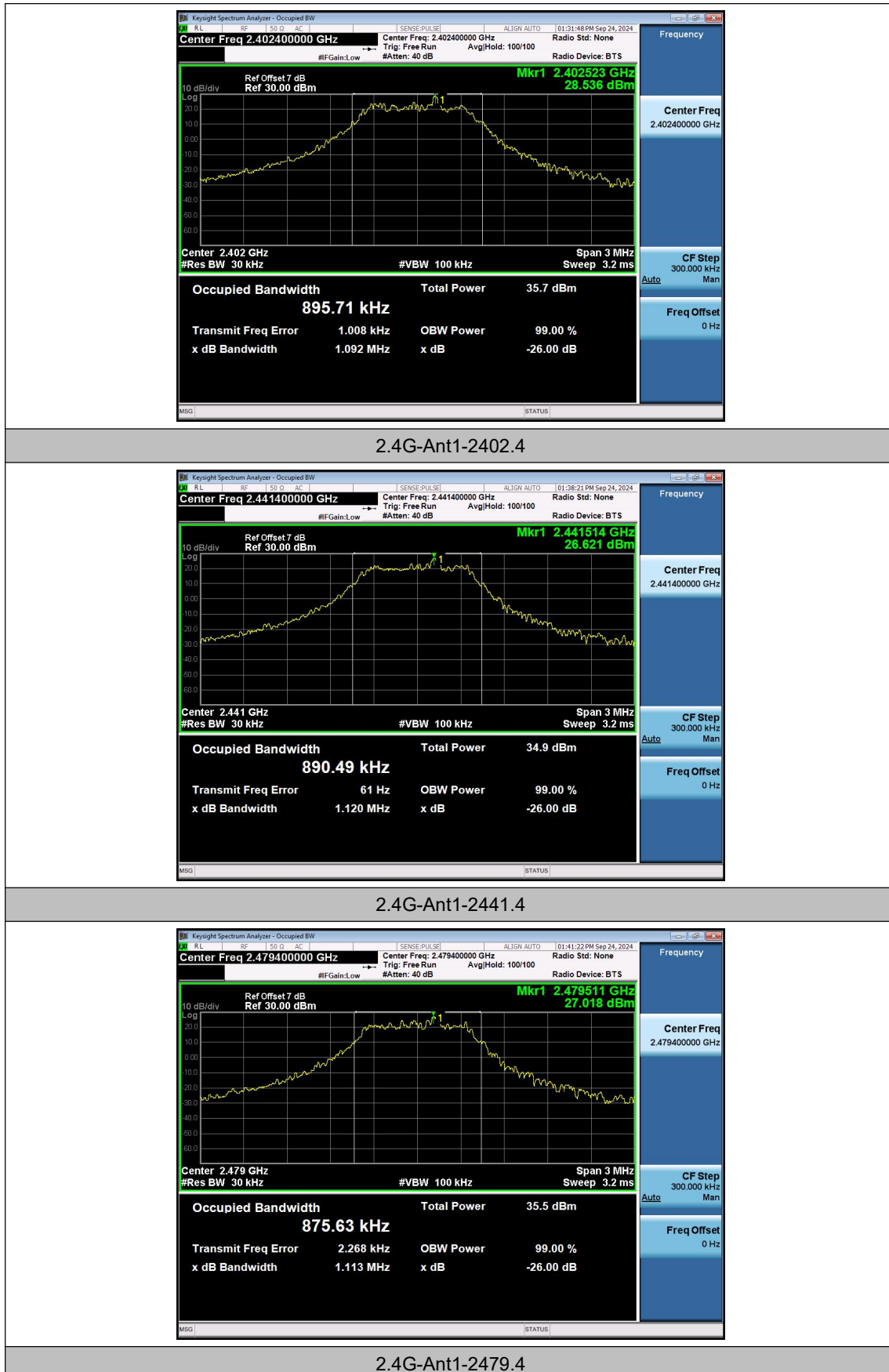
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.89571	2401.9532	2402.8489	---	---
2.4G	Ant1	2441.4	0.89049	2440.9548	2441.8453	---	---
2.4G	Ant1	2479.4	0.87563	2478.9645	2479.8401	---	---



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	2402.4	28.97	≤30	PASS
2.4G	Ant1	2441.4	28.91	≤30	PASS
2.4G	Ant1	2479.4	28.95	≤30	PASS



Test Graphs



2.4G-Ant1-2402.4-PASS



2.4G-Ant1-2441.4-PASS



2.4G-Ant1-2479.4-PASS



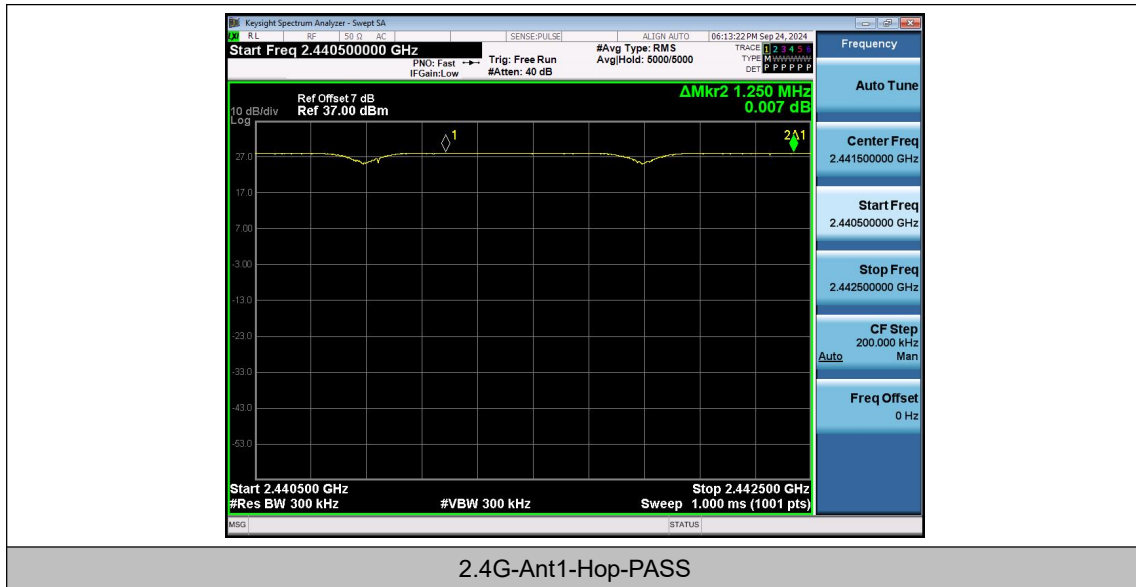
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.25	≥0.951	PASS



Test Graphs



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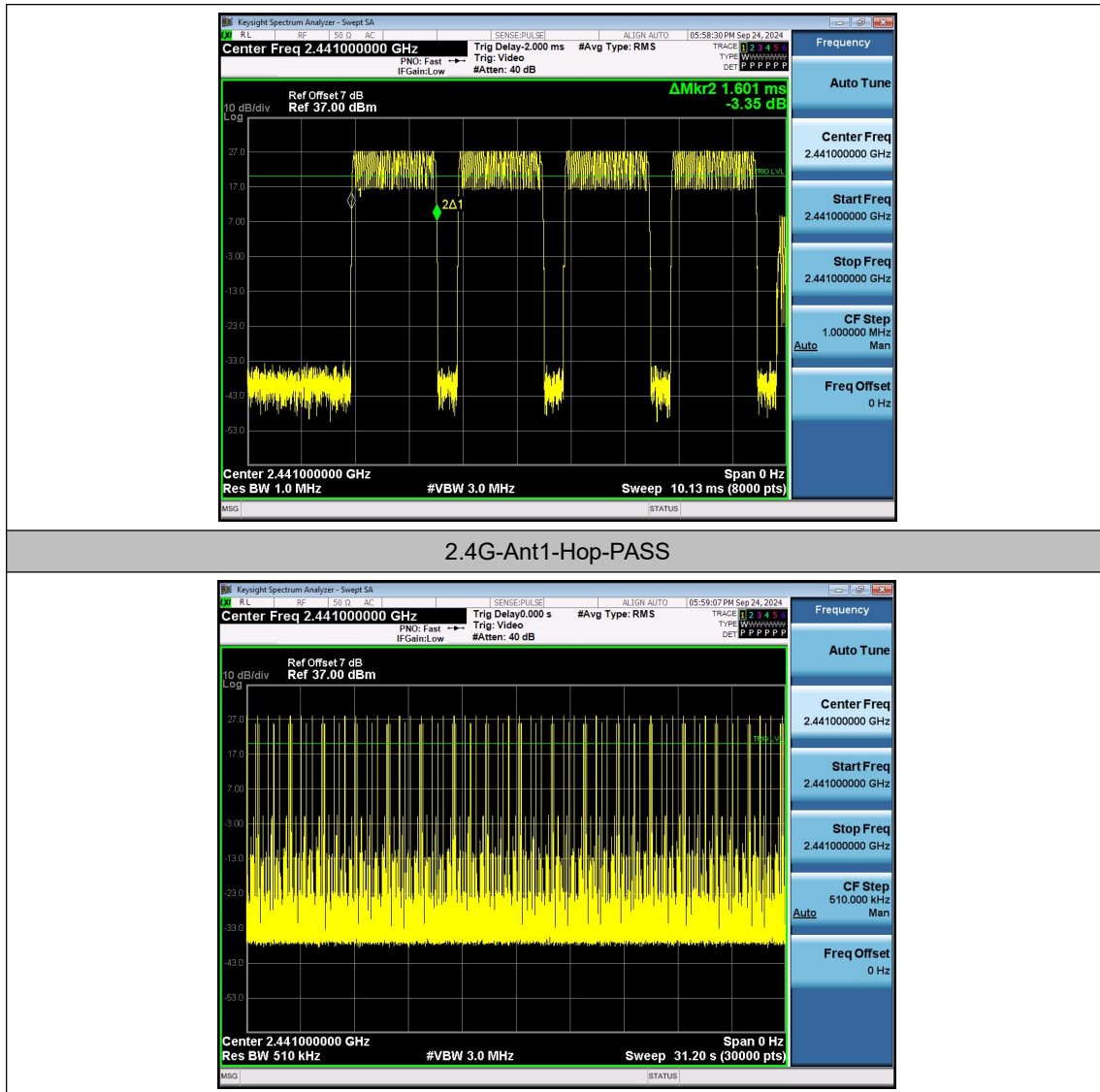
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	1.601	100	0.16	≤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	78	≥15	PASS

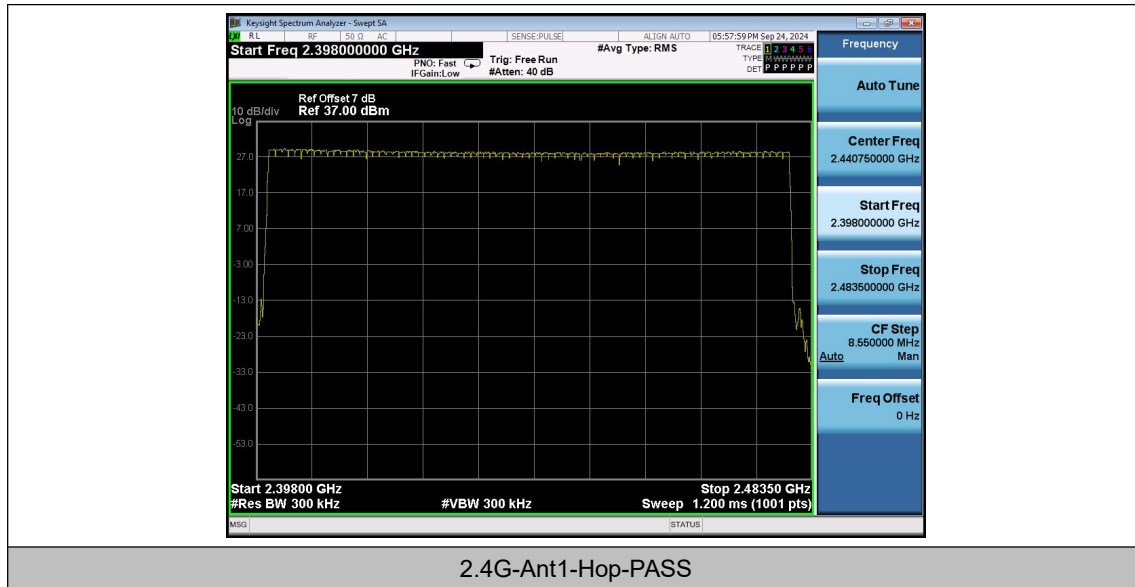
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Test Graphs



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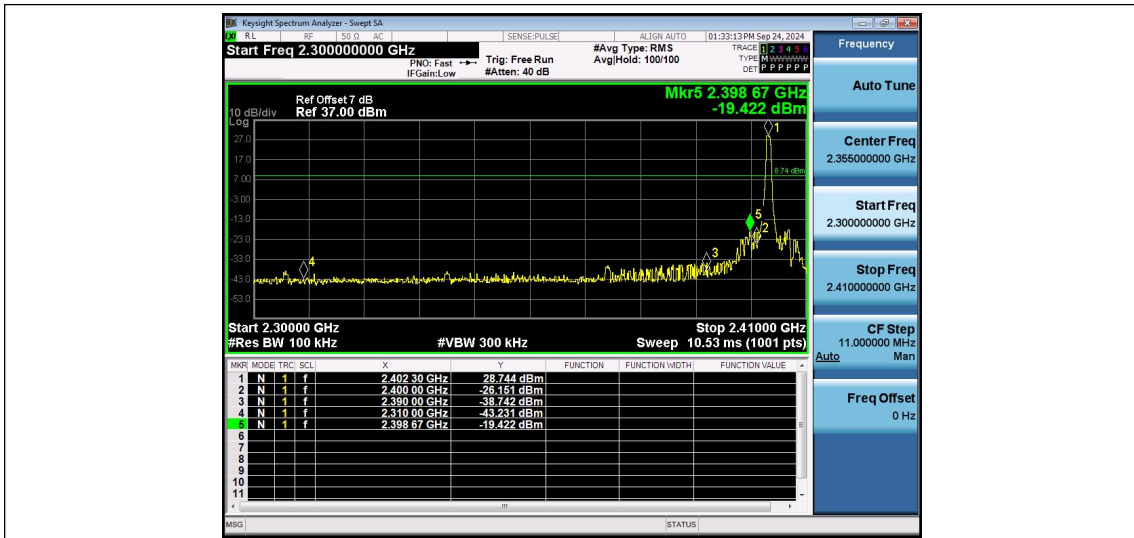
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	28.74	-19.42	≤8.74	PASS
2.4G	Ant1	High	2479.4	28.50	-18.48	≤8.5	PASS
2.4G	Ant1	High	Hop	28.19	-29.48	≤8.19	PASS
2.4G	Ant1	Low	Hop	28.78	-17.76	≤8.78	PASS



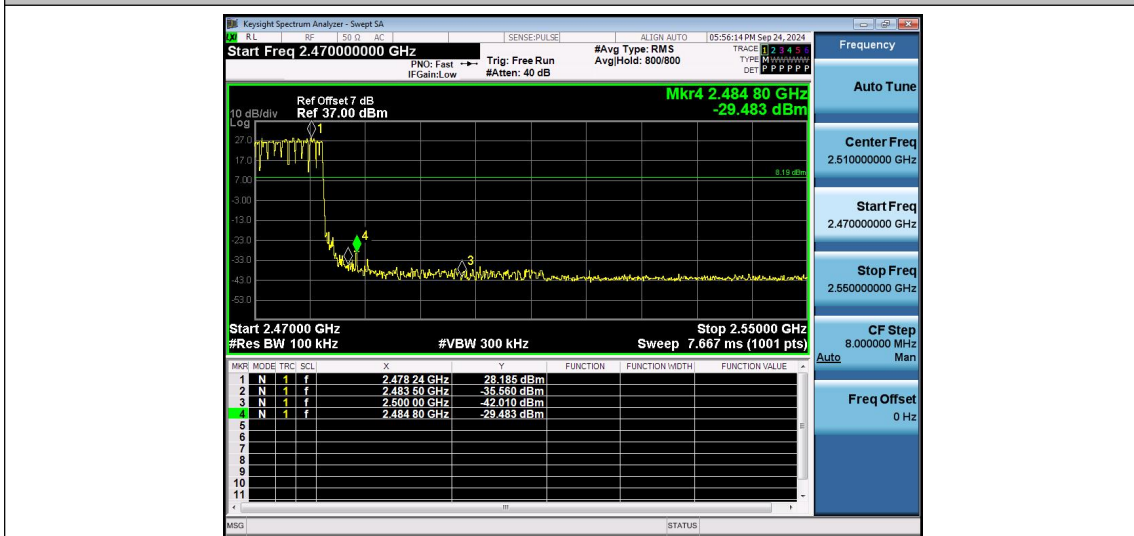
Test Graphs



2.4G-Ant1-2402.4-PASS



2.4G-Ant1-2479.4-PASS



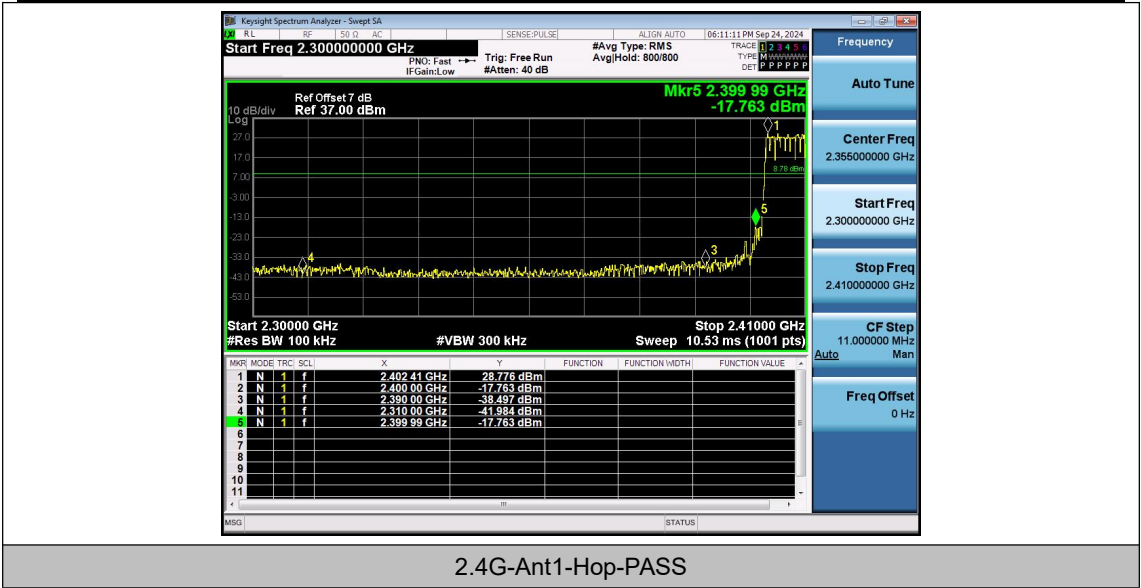
2.4G-Ant1-Hop-PASS

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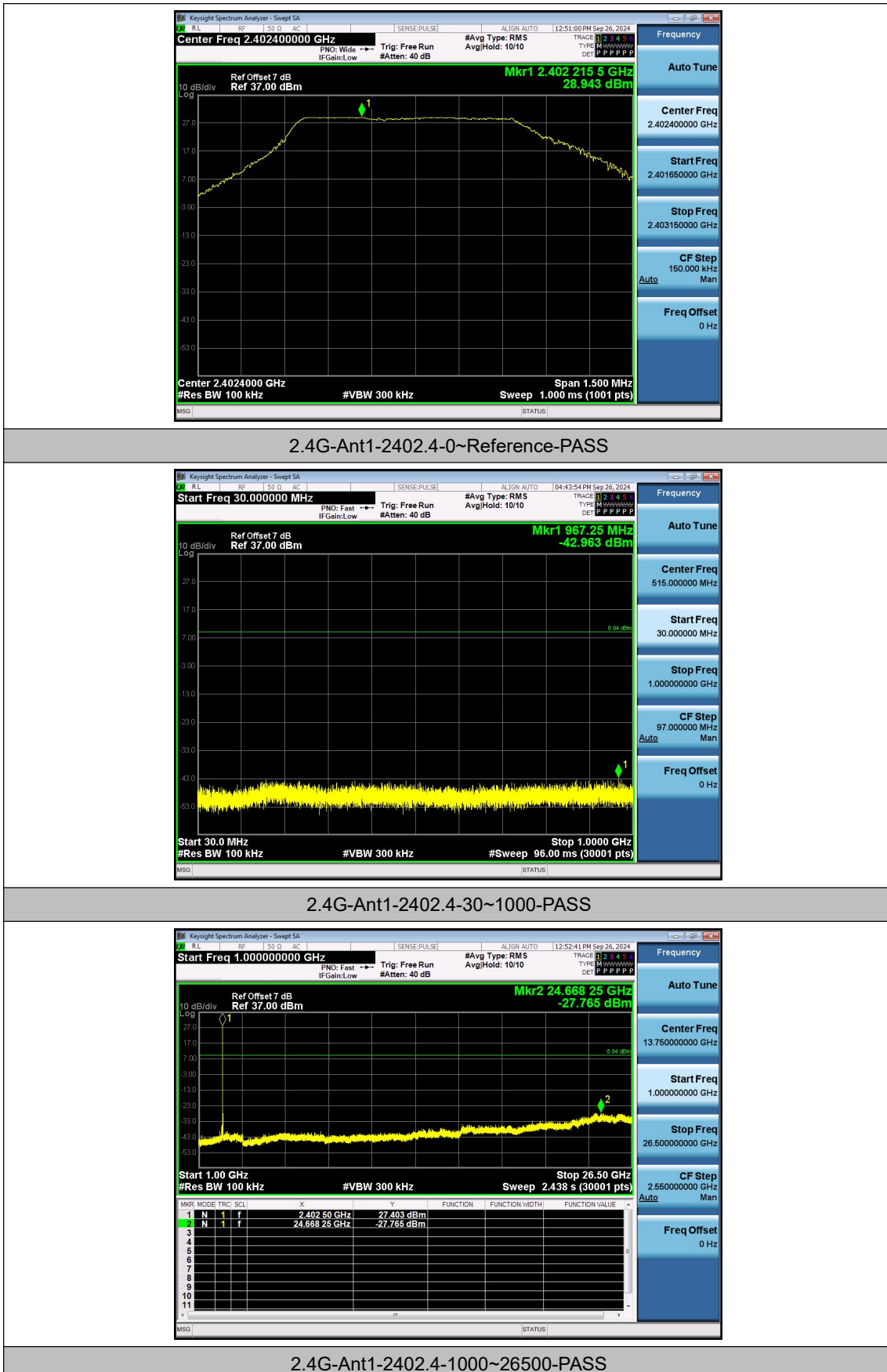
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	28.94	28.94	---	PASS
2.4G	Ant1	2402.4	30~1000	28.94	-42.96	≤8.94	PASS
2.4G	Ant1	2402.4	1000~26500	28.94	-27.77	≤8.94	PASS
2.4G	Ant1	2441.4	0~Reference	28.76	28.76	---	PASS
2.4G	Ant1	2441.4	30~1000	28.76	-42.63	≤8.76	PASS
2.4G	Ant1	2441.4	1000~26500	28.76	-27.32	≤8.76	PASS
2.4G	Ant1	2479.4	0~Reference	28.68	28.68	---	PASS
2.4G	Ant1	2479.4	30~1000	28.68	-42.21	≤8.68	PASS
2.4G	Ant1	2479.4	1000~26500	28.68	-27.56	≤8.68	PASS



Test Graphs

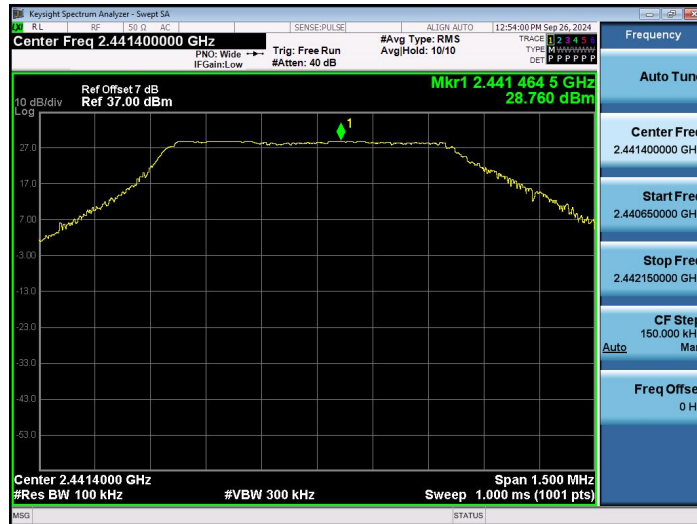


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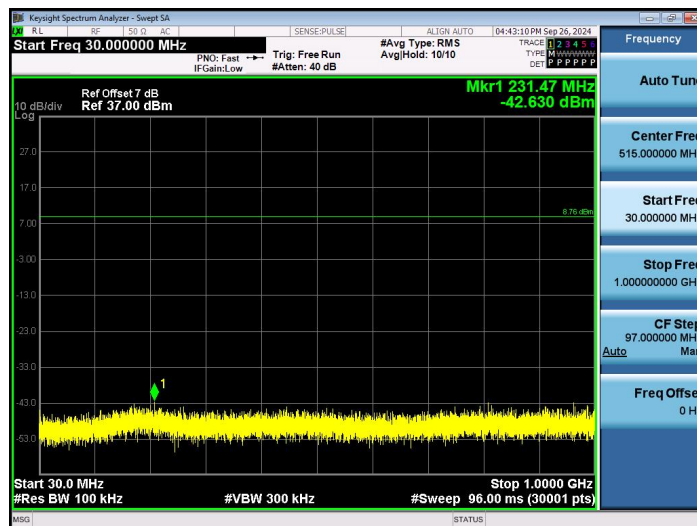
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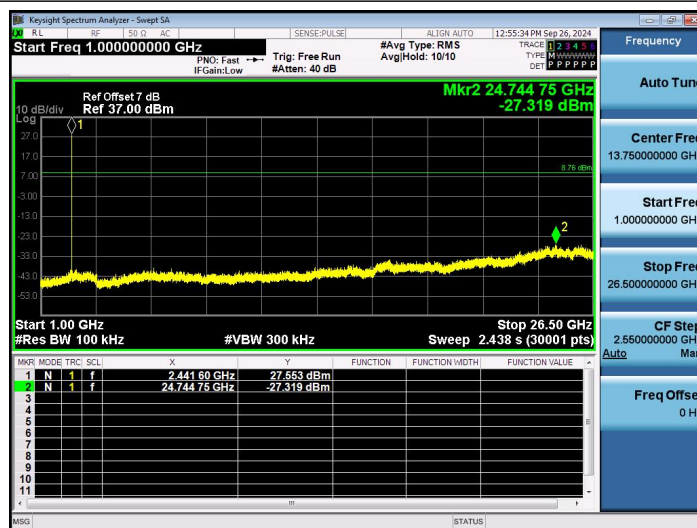




2.4G-Ant1-2441.4-0~Reference-PASS



2.4G-Ant1-2441.4-30~1000-PASS

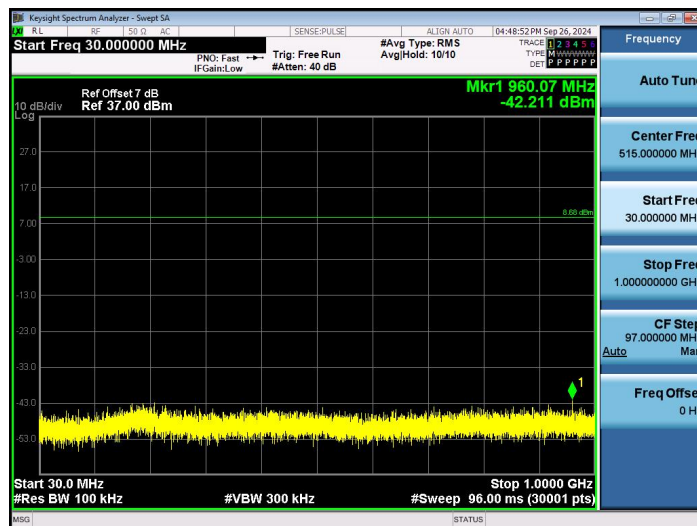


2.4G-Ant1-2441.4-1000~26500-PASS

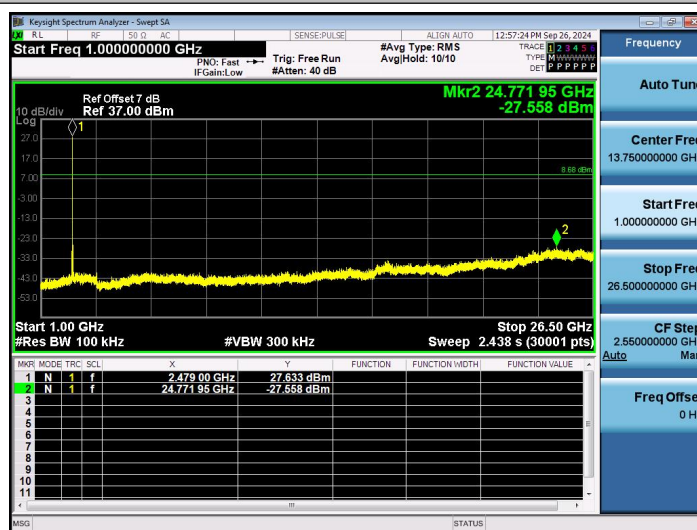




2.4G-Ant1-2479.4-0~Reference-PASS



2.4G-Ant1-2479.4-30~1000-PASS



2.4G-Ant1-2479.4-1000~26500-PASS

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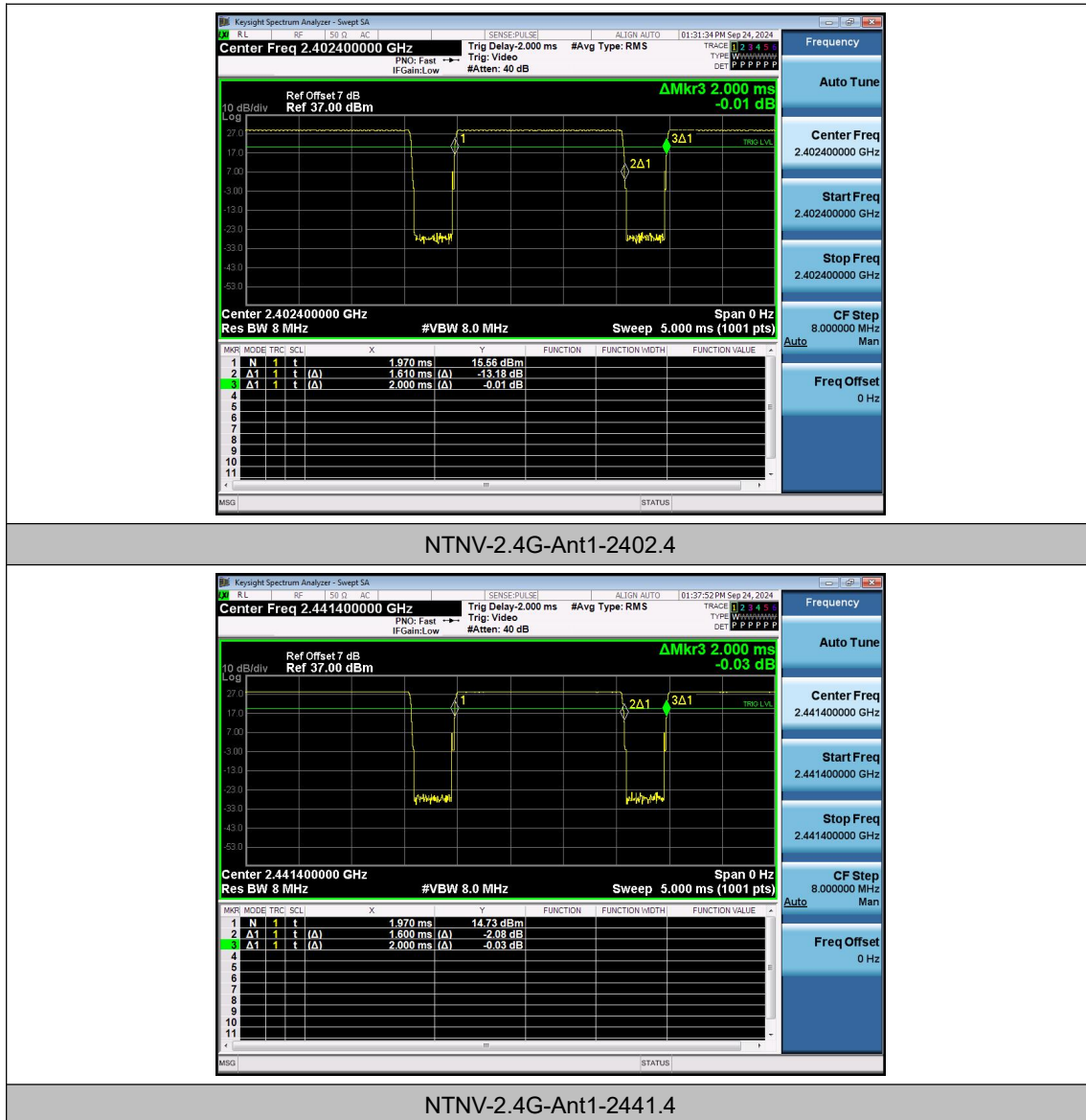
Appendix I: Duty Cycle

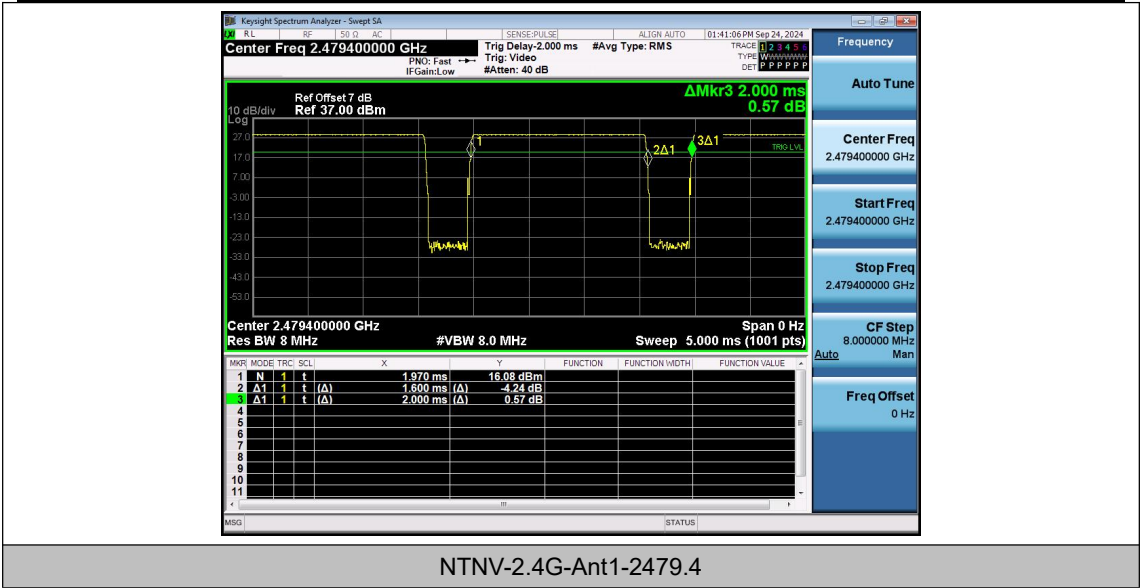
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.61	2.00	80.50	0.94
2.4G	Ant1	2441.4	1.60	2.00	80.00	0.97
2.4G	Ant1	2479.4	1.60	2.00	80.00	0.97



Test Graphs





---End---

