

Appendix Test Data_ANT2

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	Ant2	2402.4	0.951	2401.920	2402.871	---	---
2.4G	Ant2	2441.4	0.939	2440.938	2441.877	---	---
2.4G	Ant2	2479.4	0.918	2478.944	2479.862	---	---



Test Graphs



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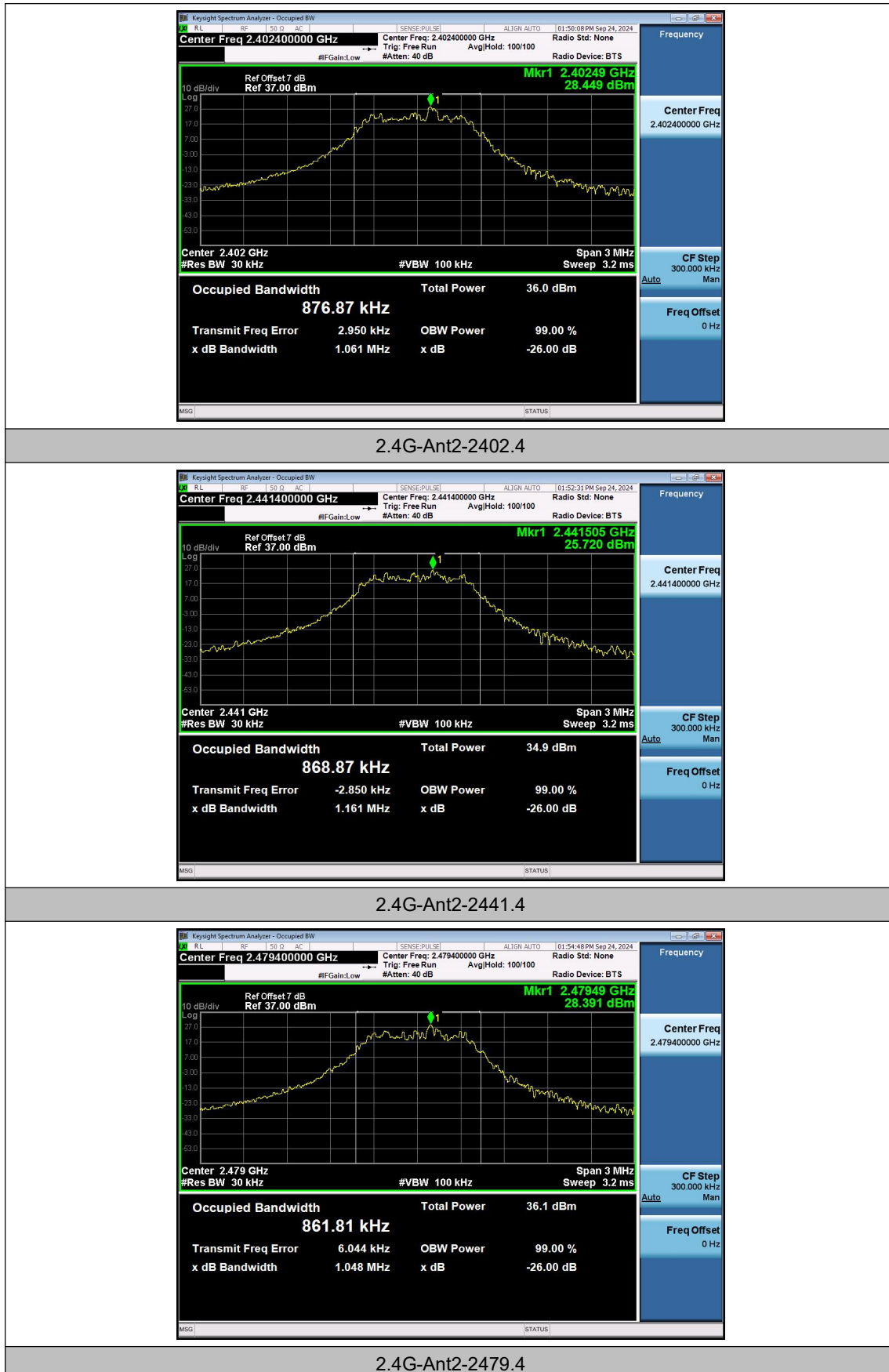
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant2	2402.4	0.87687	2401.9645	2402.8414	---	---
2.4G	Ant2	2441.4	0.86887	2440.9627	2441.8316	---	---
2.4G	Ant2	2479.4	0.86181	2478.9751	2479.8369	---	---



Test Graphs



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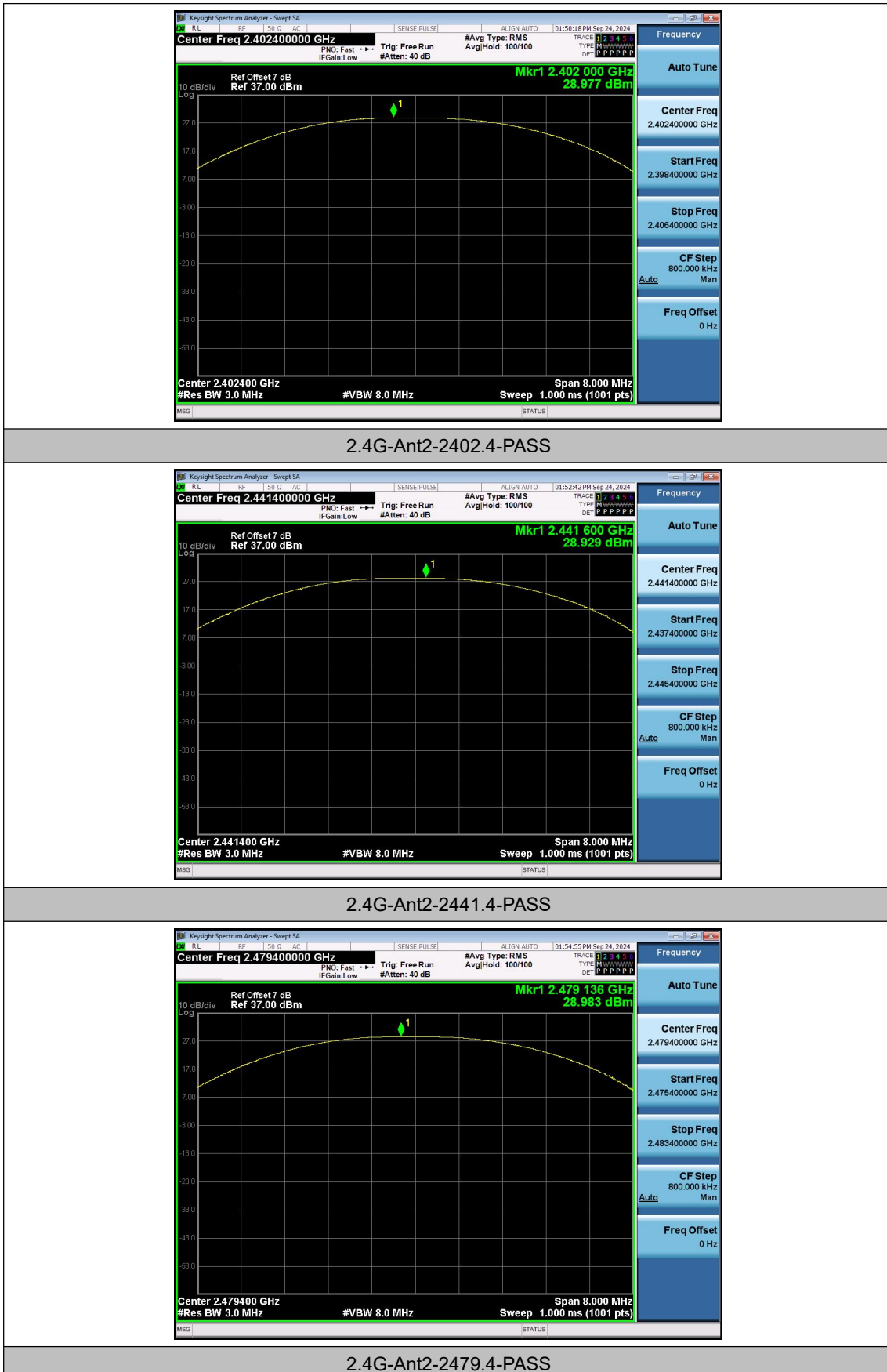
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant2	2402.4	28.98	≤30	PASS
2.4G	Ant2	2441.4	28.93	≤30	PASS
2.4G	Ant2	2479.4	28.98	≤30	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	Ant2	Hop	1	≥0.951	PASS

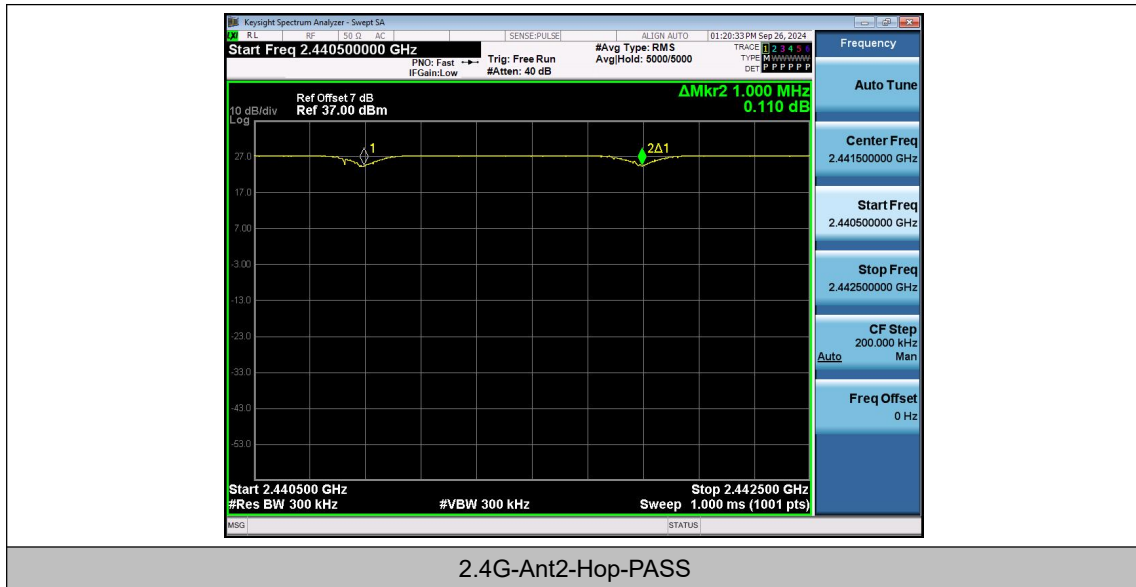
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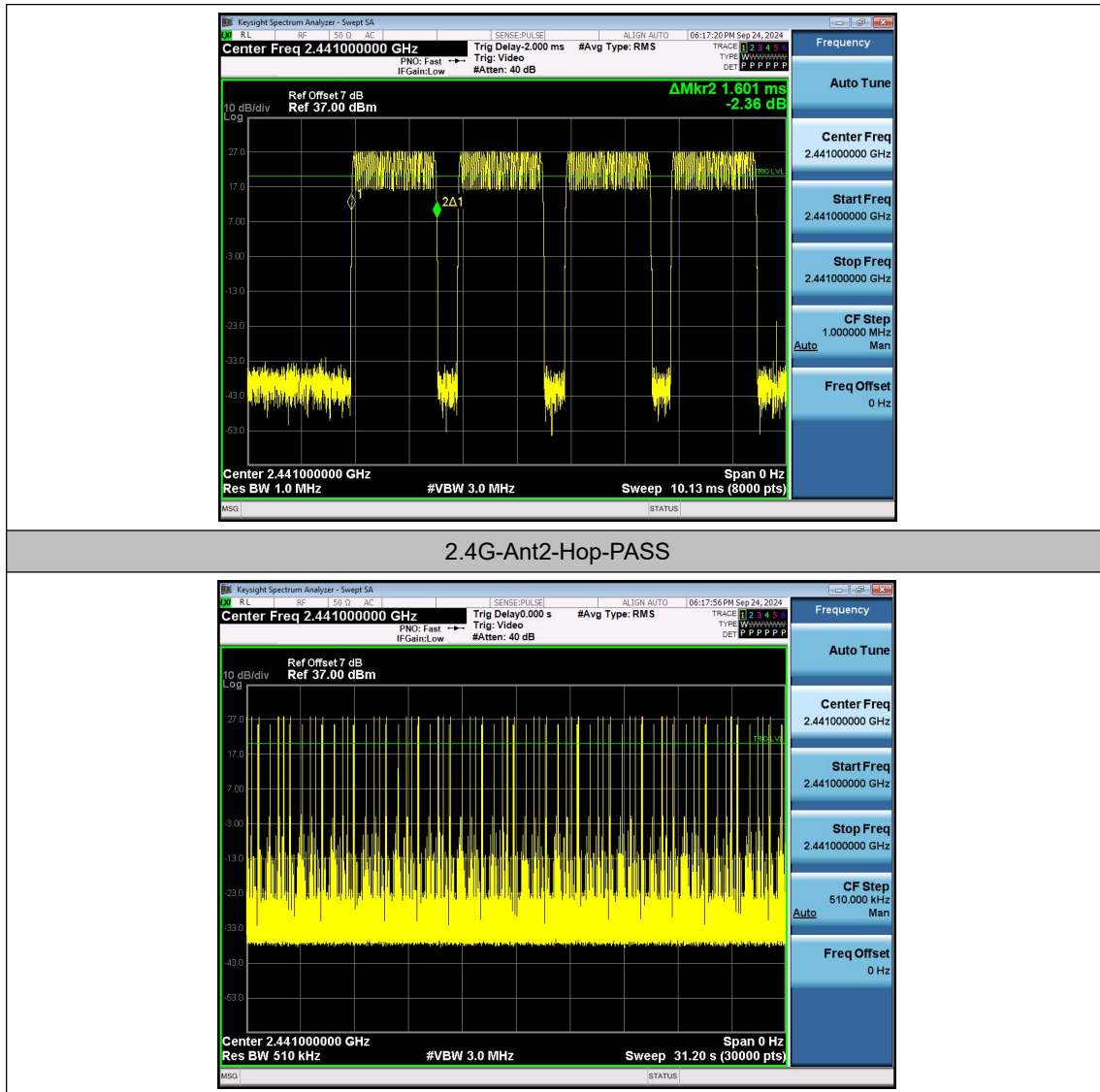
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant2	Hop	1.601	85	0.136	≤0.4	PASS



Test Graphs



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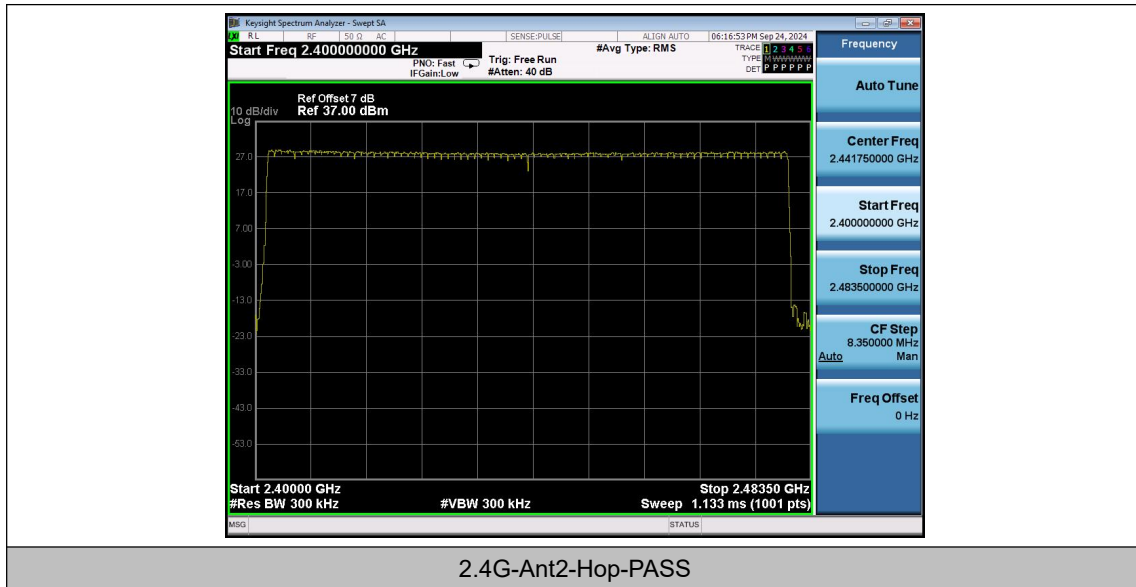
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant2	Hop	78	≥15	PASS



Test Graphs



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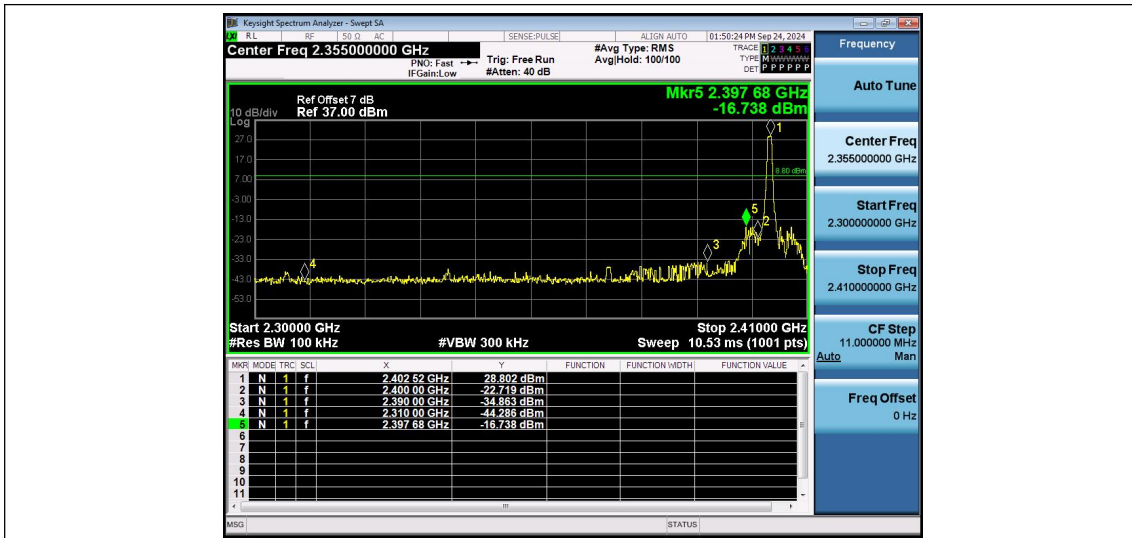
Appendix G: Conducted Band edge

Test Result

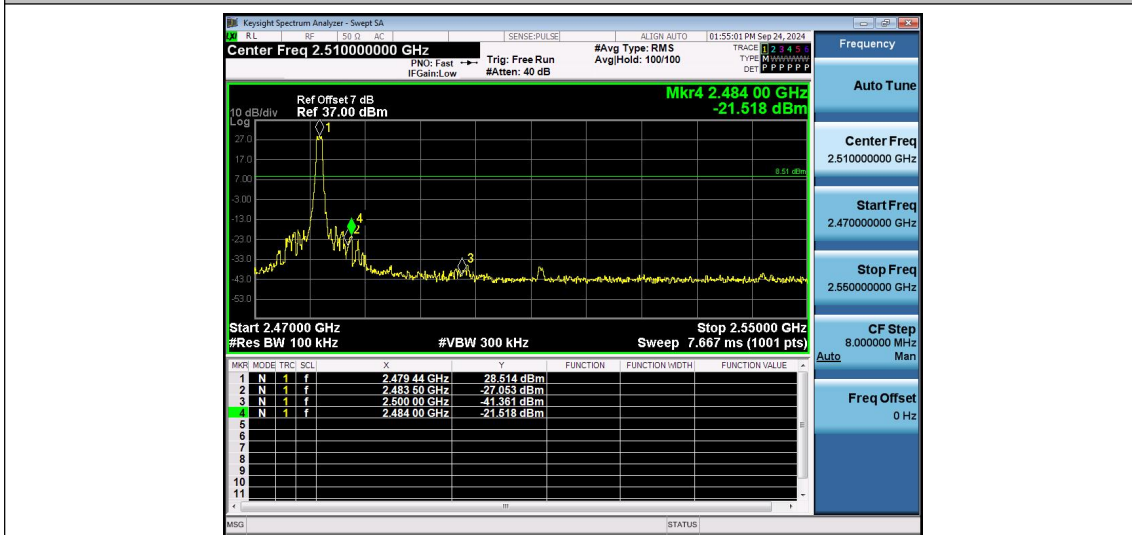
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	Low	2402.4	28.80	-16.74	≤8.8	PASS
2.4G	Ant2	High	2479.4	28.51	-21.52	≤8.51	PASS
2.4G	Ant2	Low	Hop	28.76	-17.78	≤8.76	PASS
2.4G	Ant2	High	Hop	28.35	-31.25	≤8.35	PASS



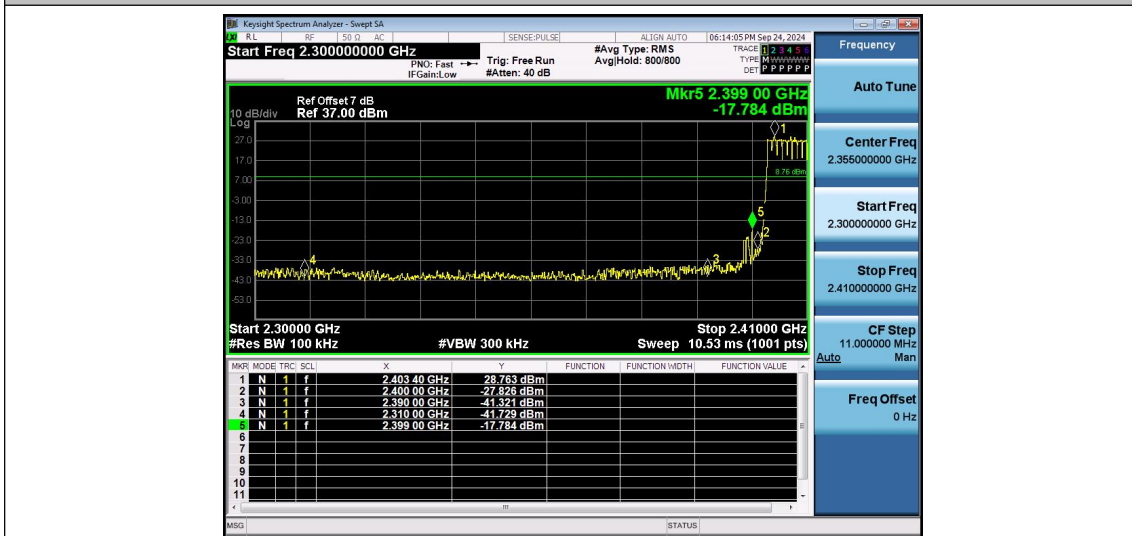
Test Graphs



2.4G-Ant2-2402.4-PASS



2.4G-Ant2-2479.4-PASS



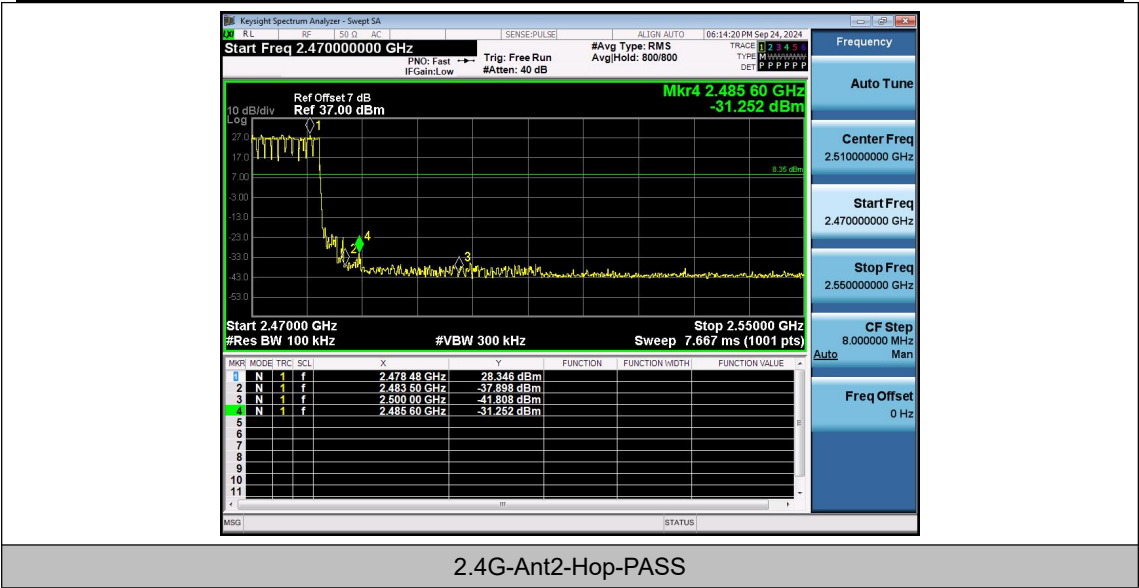
2.4G-Ant2-Hop-PASS

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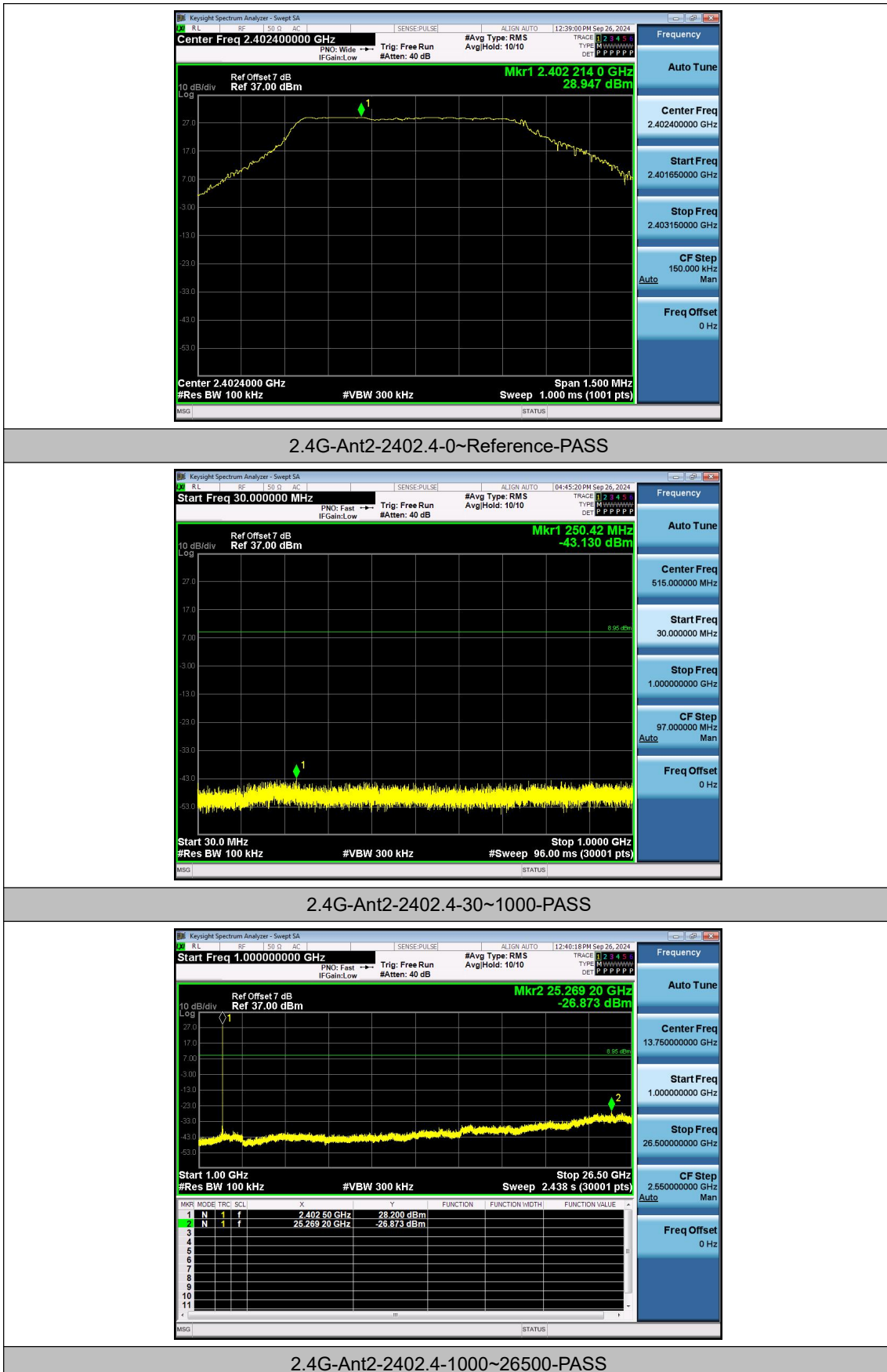
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	2402.4	0~Reference	28.95	28.95	---	PASS
2.4G	Ant2	2402.4	30~1000	28.95	-43.13	≤8.95	PASS
2.4G	Ant2	2402.4	1000~26500	28.95	-26.87	≤8.95	PASS
2.4G	Ant2	2441.4	0~Reference	28.75	28.75	---	PASS
2.4G	Ant2	2441.4	30~1000	28.75	-42.79	≤8.75	PASS
2.4G	Ant2	2441.4	1000~26500	28.75	-27.76	≤8.75	PASS
2.4G	Ant2	2479.4	0~Reference	28.68	28.68	---	PASS
2.4G	Ant2	2479.4	30~1000	28.68	-42.10	≤8.68	PASS
2.4G	Ant2	2479.4	1000~26500	28.68	-28.06	≤8.68	PASS



Test Graphs



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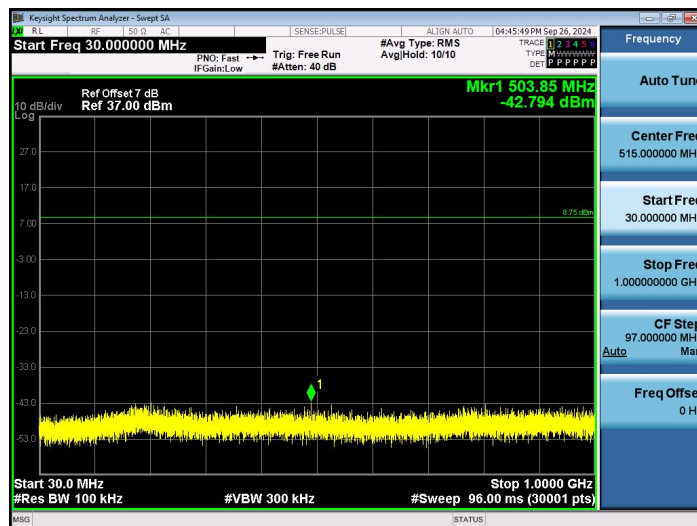
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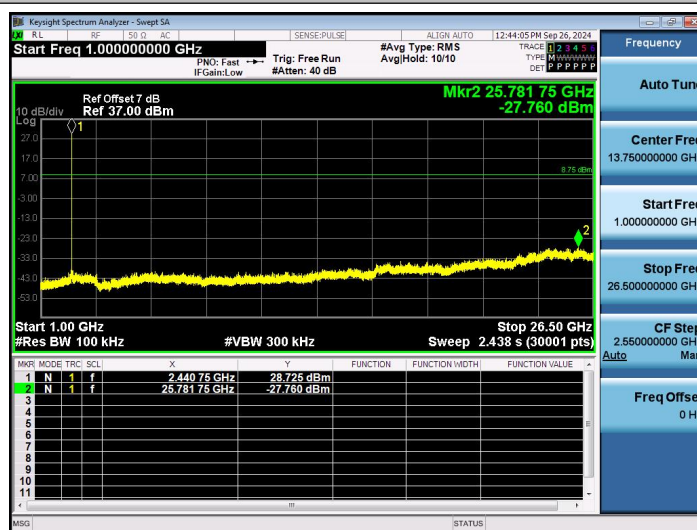




2.4G-Ant2-2441.4-0~Reference-PASS



2.4G-Ant2-2441.4-30~1000-PASS



2.4G-Ant2-2441.4-1000~26500-PASS

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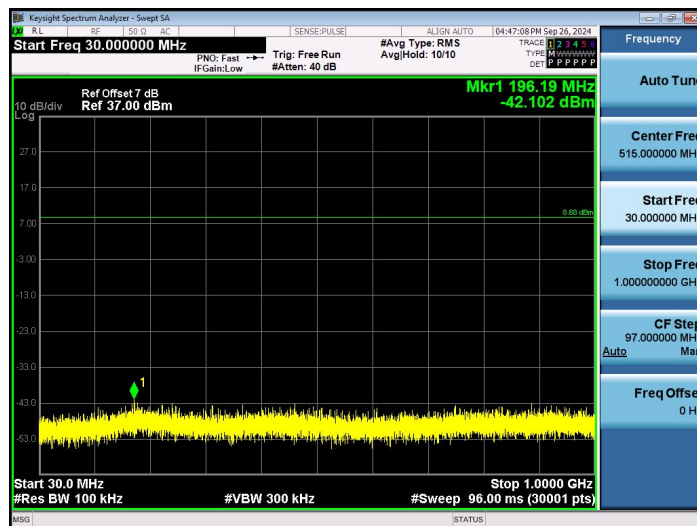
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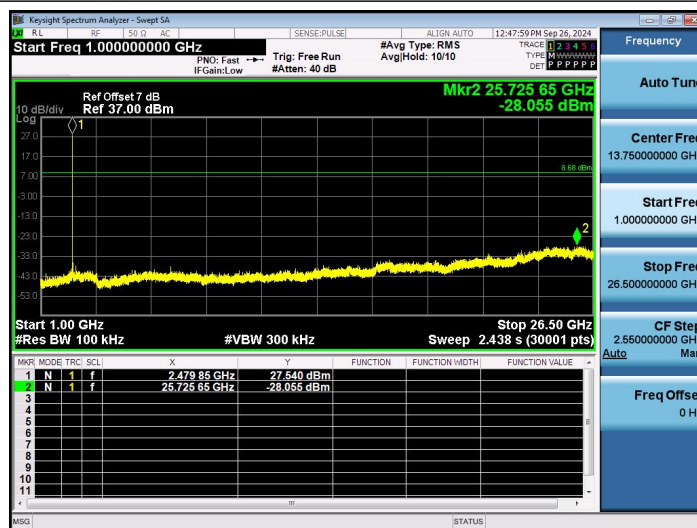




2.4G-Ant2-2479.4-0~Reference-PASS



2.4G-Ant2-2479.4-30~1000-PASS



2.4G-Ant2-2479.4-1000~26500-PASS

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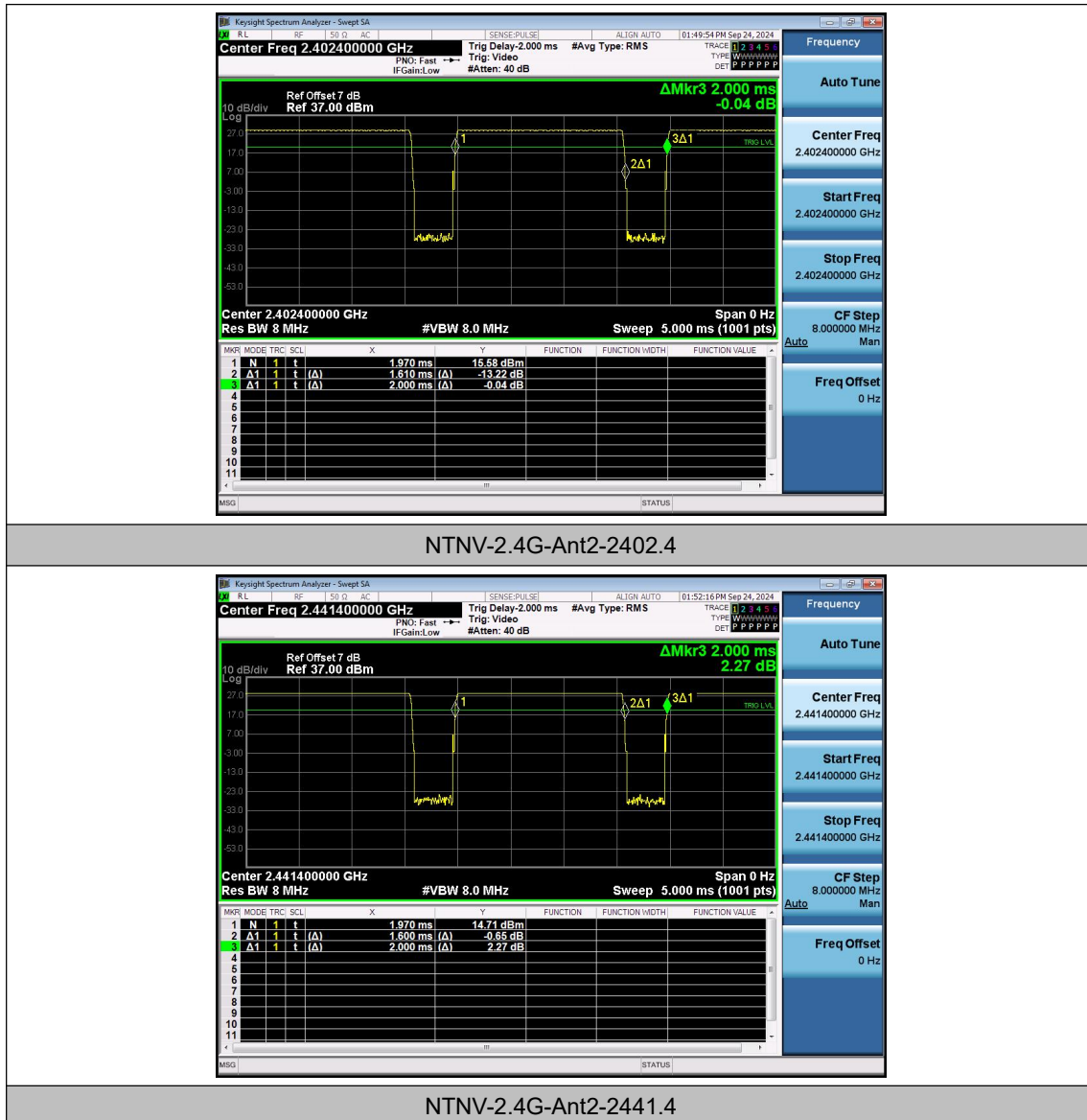
Appendix I: Duty Cycle

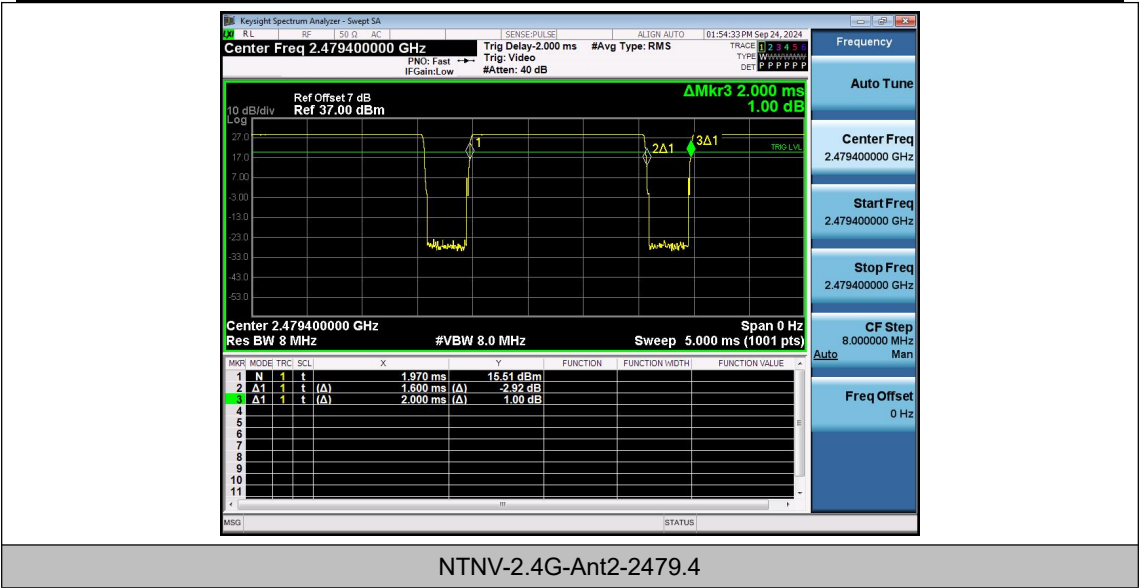
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant2	2402.4	1.61	2.00	80.50	0.94
2.4G	Ant2	2441.4	1.60	2.00	80.00	0.97
2.4G	Ant2	2479.4	1.60	2.00	80.00	0.97



Test Graphs





NTNV-2.4G-Ant2-2479.4

---End---

