

Appendix Test Data

Report No.:	18220WC30272701	Test Sample No.:	1-2-2
Start Test Date:	2024.07.24	Finish Test Date:	2024.09.10
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		
ANT1			

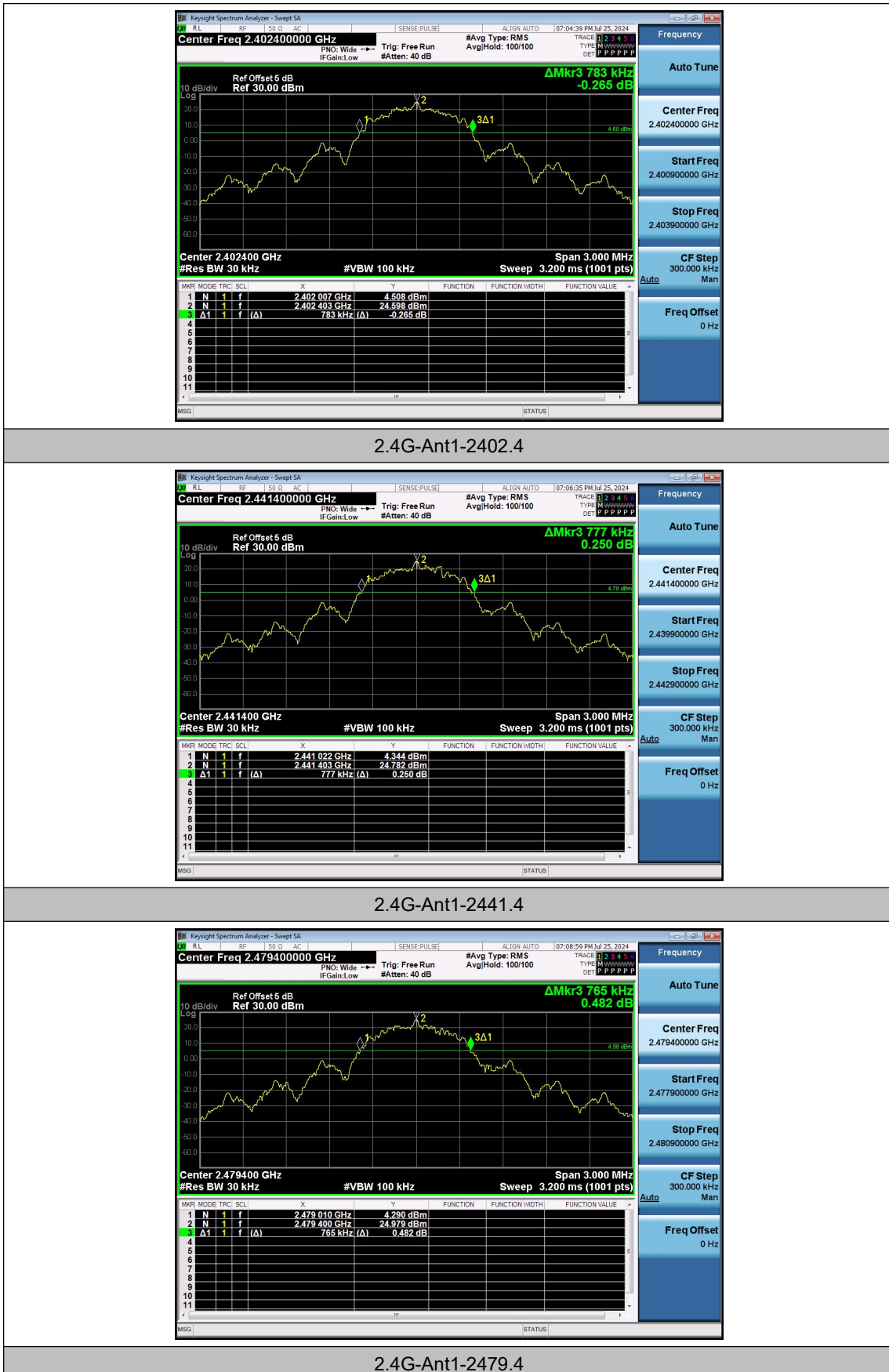
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.783	2402.007	2402.790	---	---
2.4G	Ant1	2441.4	0.777	2441.022	2441.799	---	---
2.4G	Ant1	2479.4	0.765	2479.010	2479.775	---	---



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	0.73291	2402.0332	2402.7661	---	---
2.4G	Ant1	2441.4	0.71222	2441.0410	2441.7532	---	---
2.4G	Ant1	2479.4	0.73024	2479.0299	2479.7601	---	---

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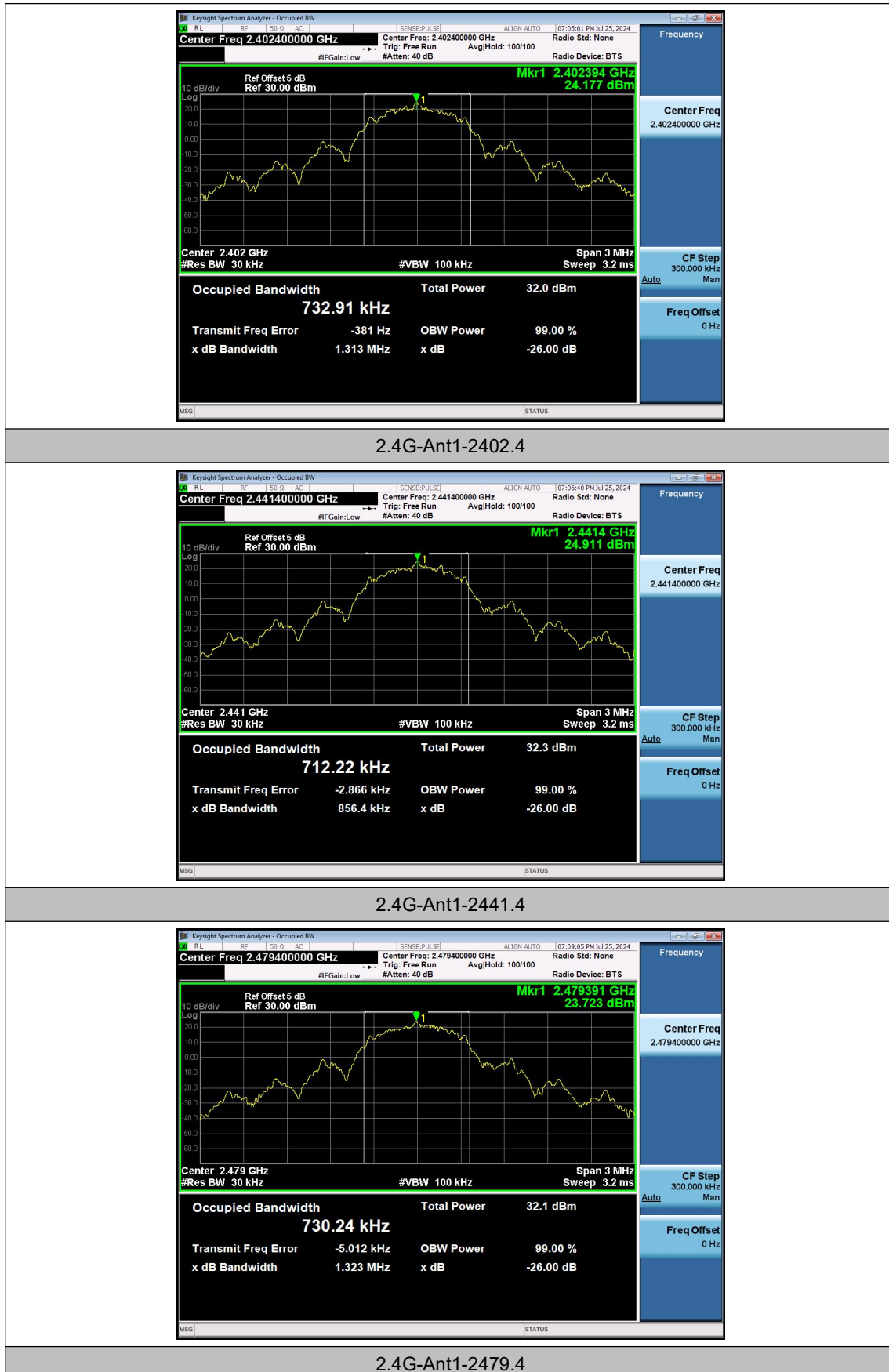
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Test Graphs



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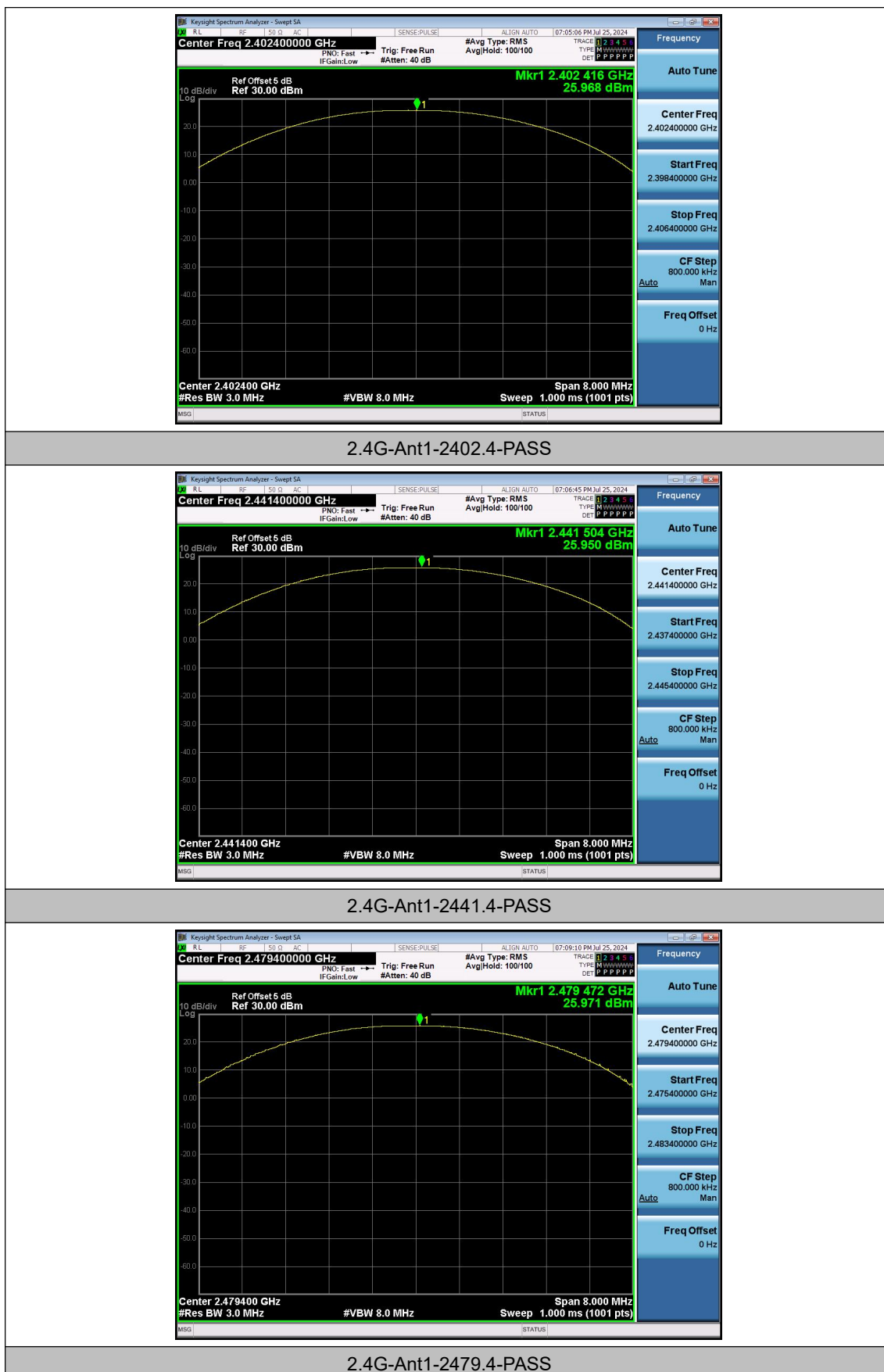
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	25.97	≤30	PASS
2.4G	Ant1	2441.4	25.95	≤30	PASS
2.4G	Ant1	2479.4	25.97	≤30	PASS



Test Graphs



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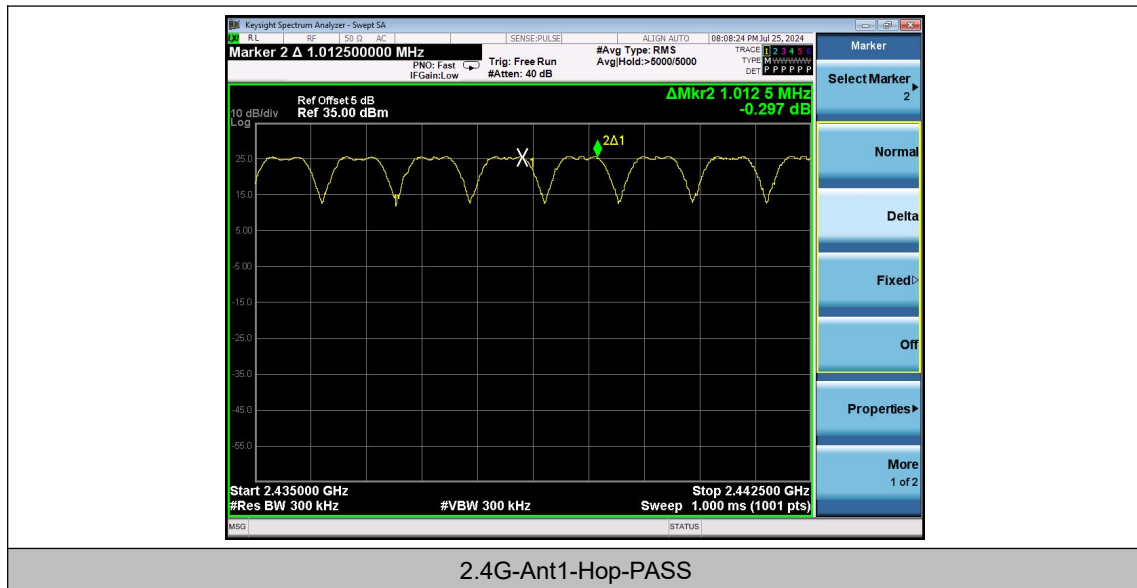


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.012	≥0.783	PASS

Test Graphs

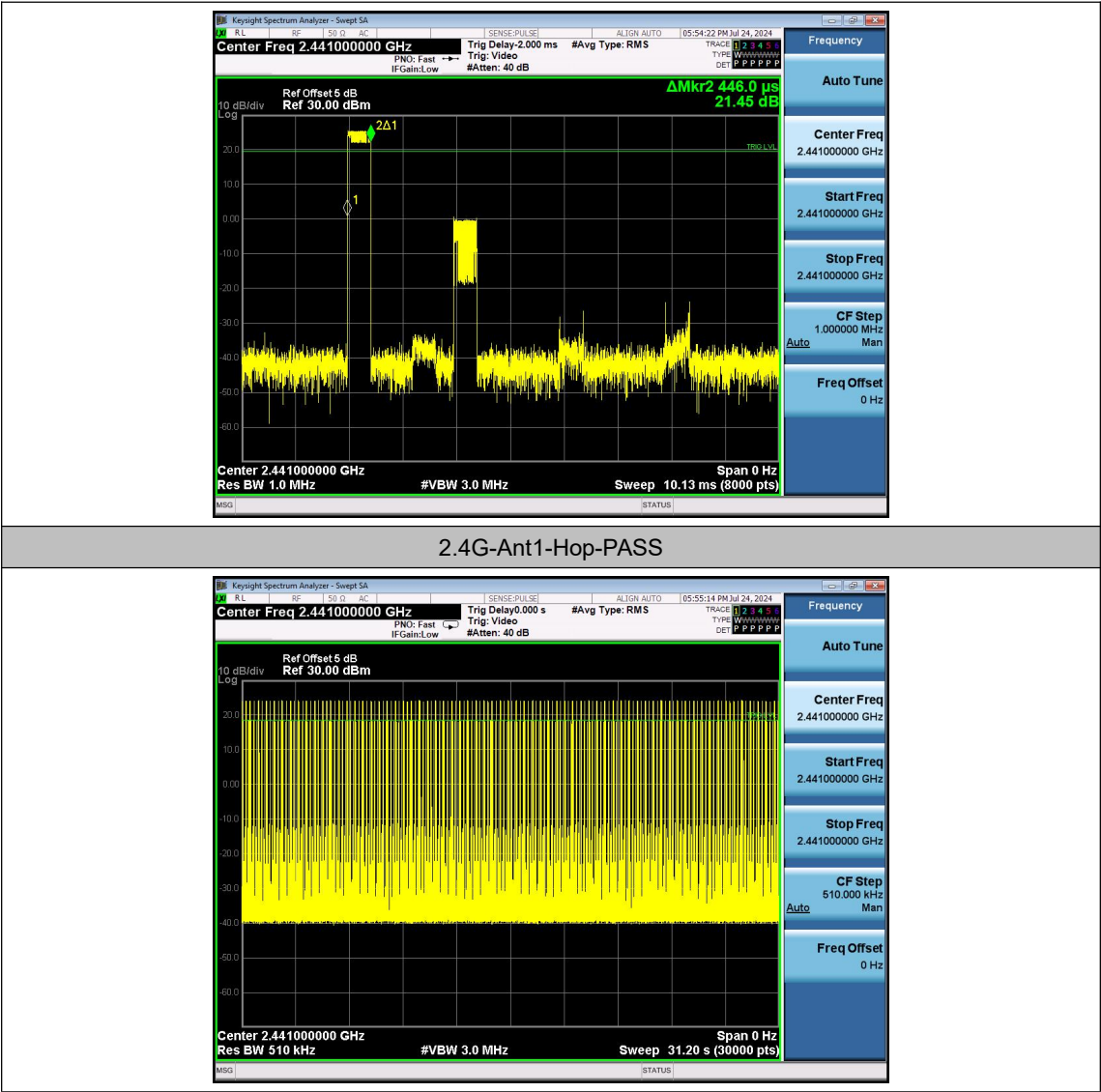


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.446	200	0.0892	≤0.4	PASS

Test Graphs

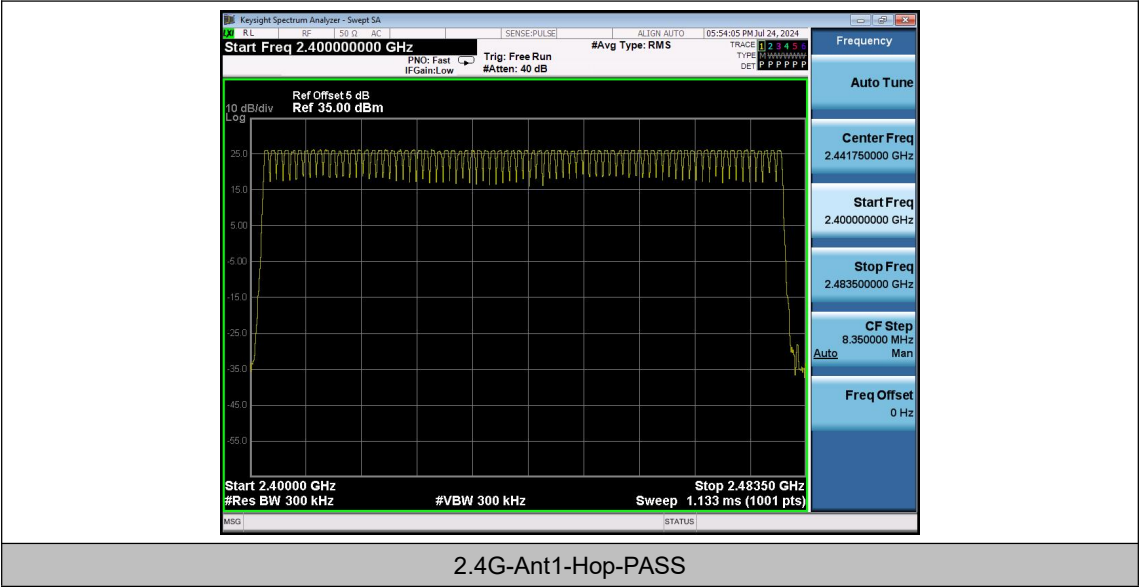


Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs

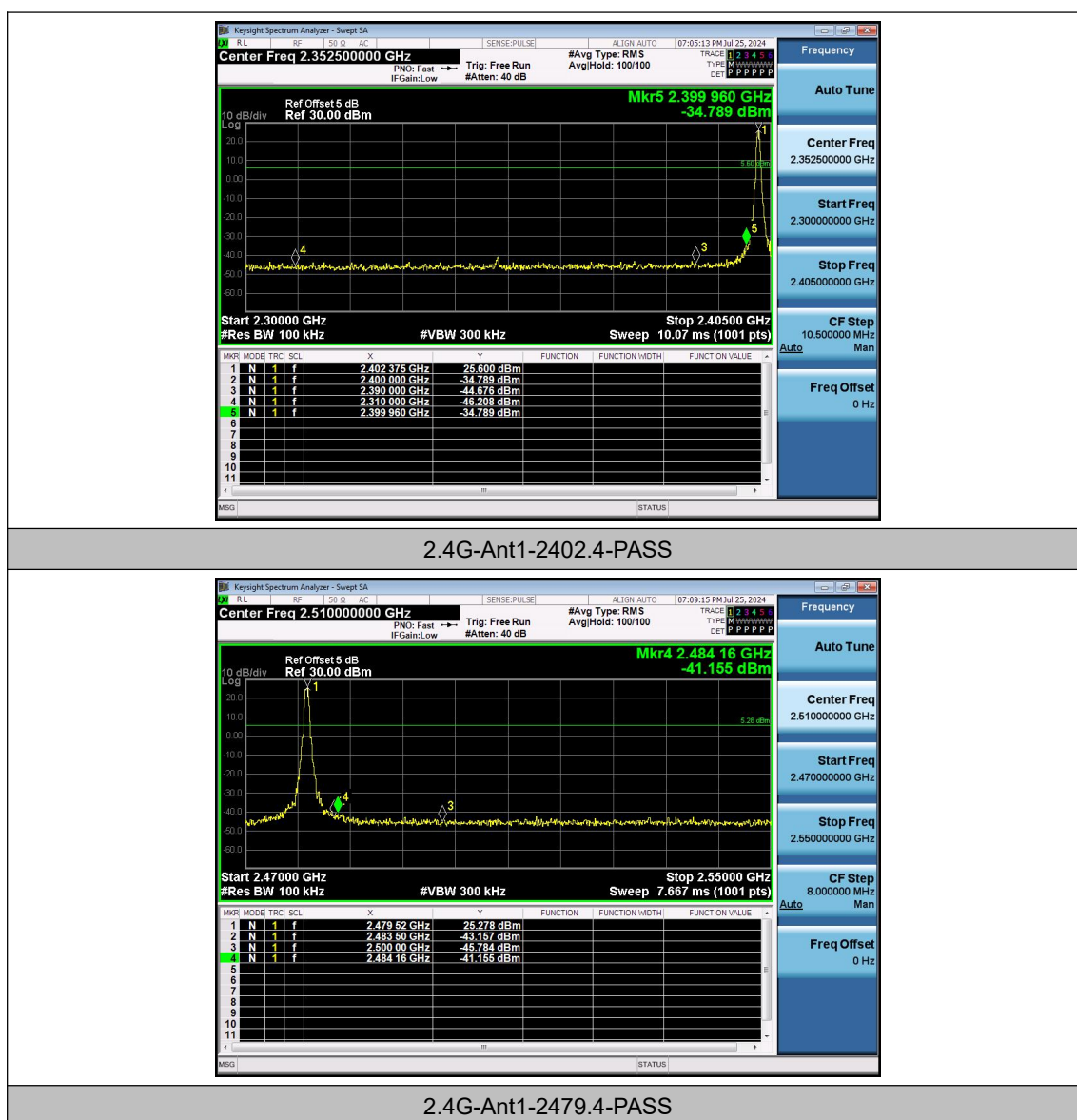


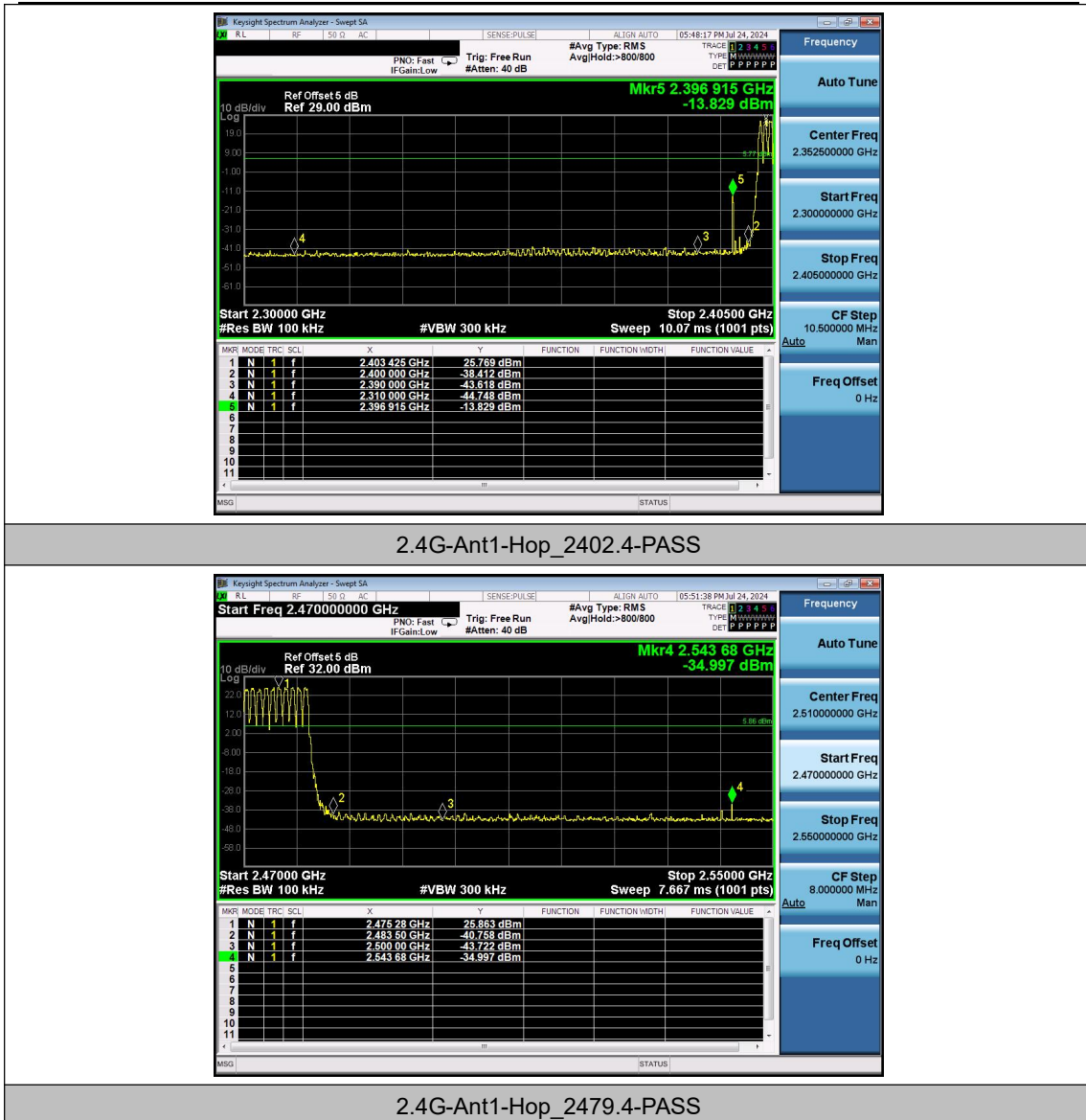
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	25.60	-34.79	≤5.6	PASS
2.4G	Ant1	High	2479.4	25.28	-41.16	≤5.28	PASS
2.4G	Ant1	Low	Hop_2402.4	25.77	-13.83	≤5.77	PASS
2.4G	Ant1	High	Hop_2479.4	25.86	-35	≤5.86	PASS

Test Graphs





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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	24.88	24.88	---	PASS
2.4G	Ant1	2402.4	30~1000	24.88	-62.49	≤4.88	PASS
2.4G	Ant1	2402.4	1000~26500	24.88	-0.3	≤4.88	PASS
2.4G	Ant1	2441.4	0~Reference	25.14	25.14	---	PASS
2.4G	Ant1	2441.4	30~1000	25.14	-63.97	≤5.14	PASS
2.4G	Ant1	2441.4	1000~26500	25.14	-0.55	≤5.14	PASS
2.4G	Ant1	2479.4	0~Reference	25.03	25.03	---	PASS
2.4G	Ant1	2479.4	30~1000	25.03	-63.95	≤5.03	PASS
2.4G	Ant1	2479.4	1000~26500	25.03	-1.19	≤5.03	PASS

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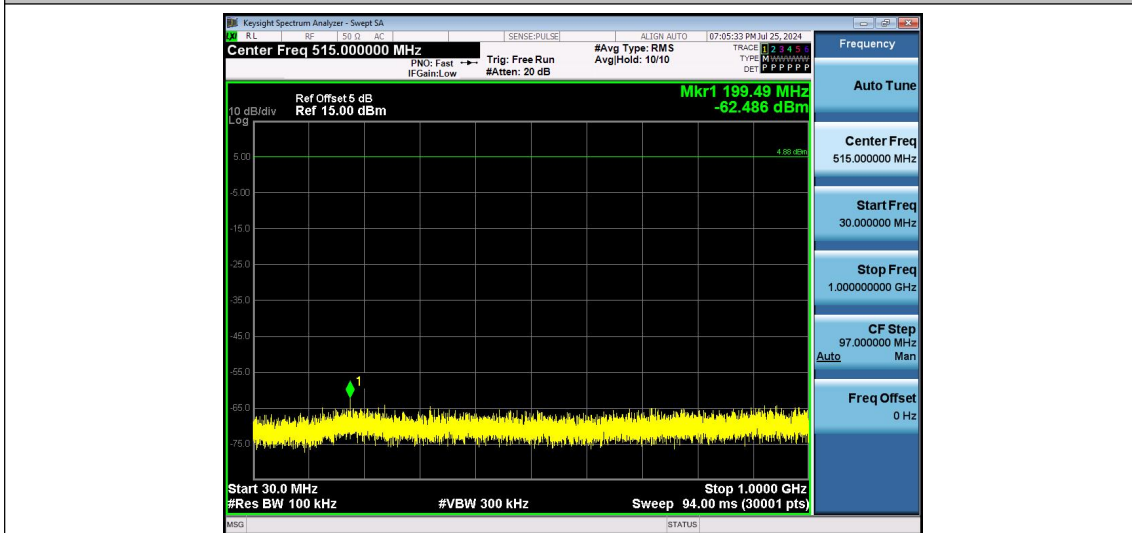
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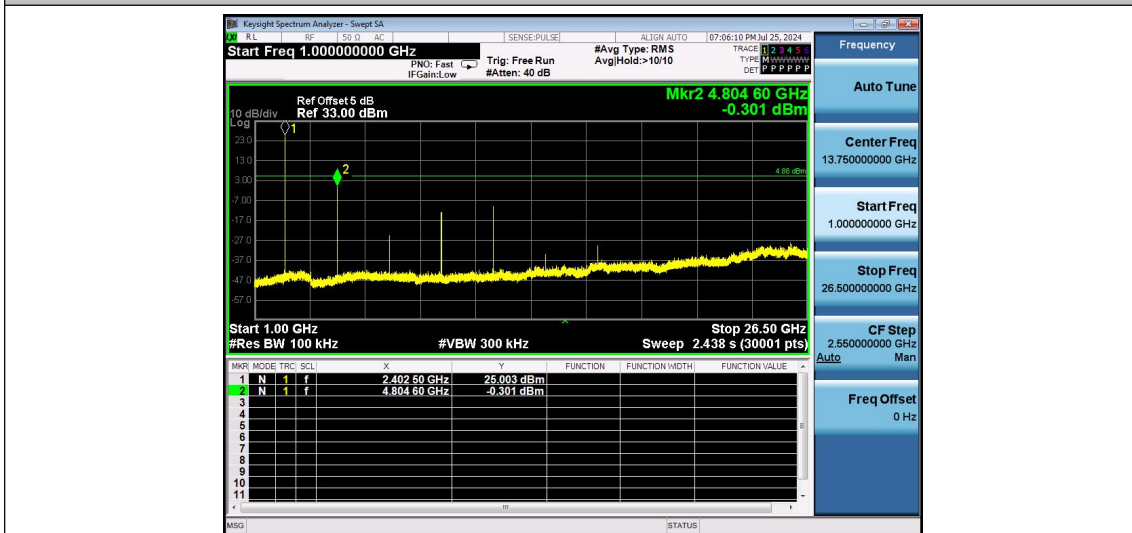
Test Graphs



2.4G-Ant1-2402.4-0~Reference-PASS



2.4G-Ant1-2402.4-30~1000-PASS



2.4G-Ant1-2402.4-1000~26500-PASS

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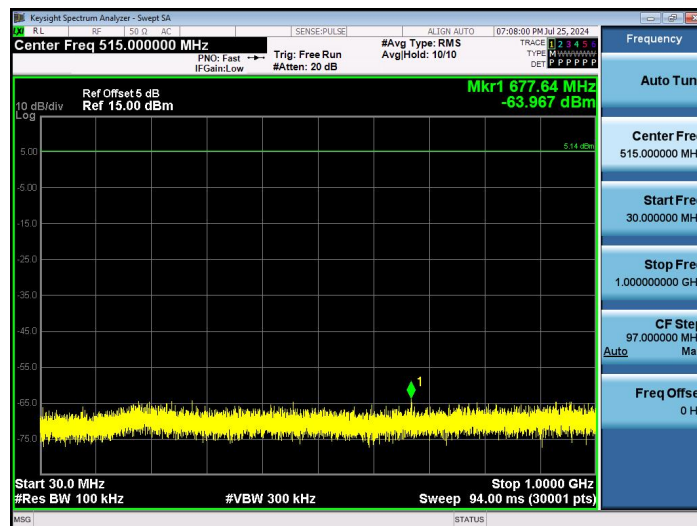


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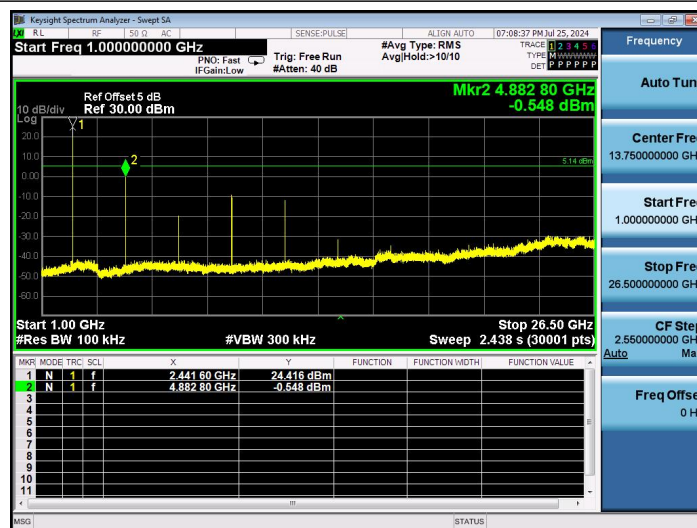




2.4G-Ant1-2441.4-0~Reference-PASS



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

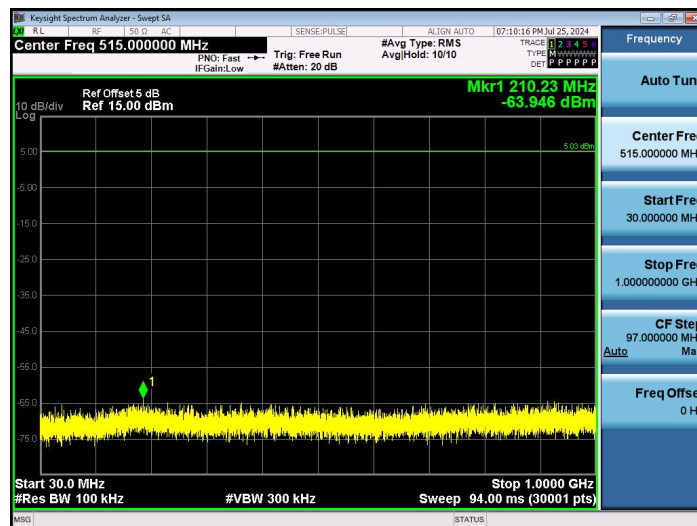


2.4G-Ant1-2441.4-1000~26500-PASS

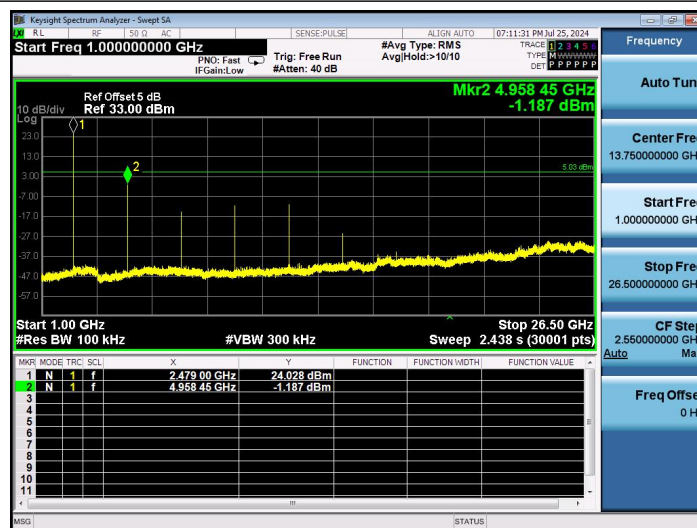




2.4G-Ant1-2479.4-0~Reference-PASS



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



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

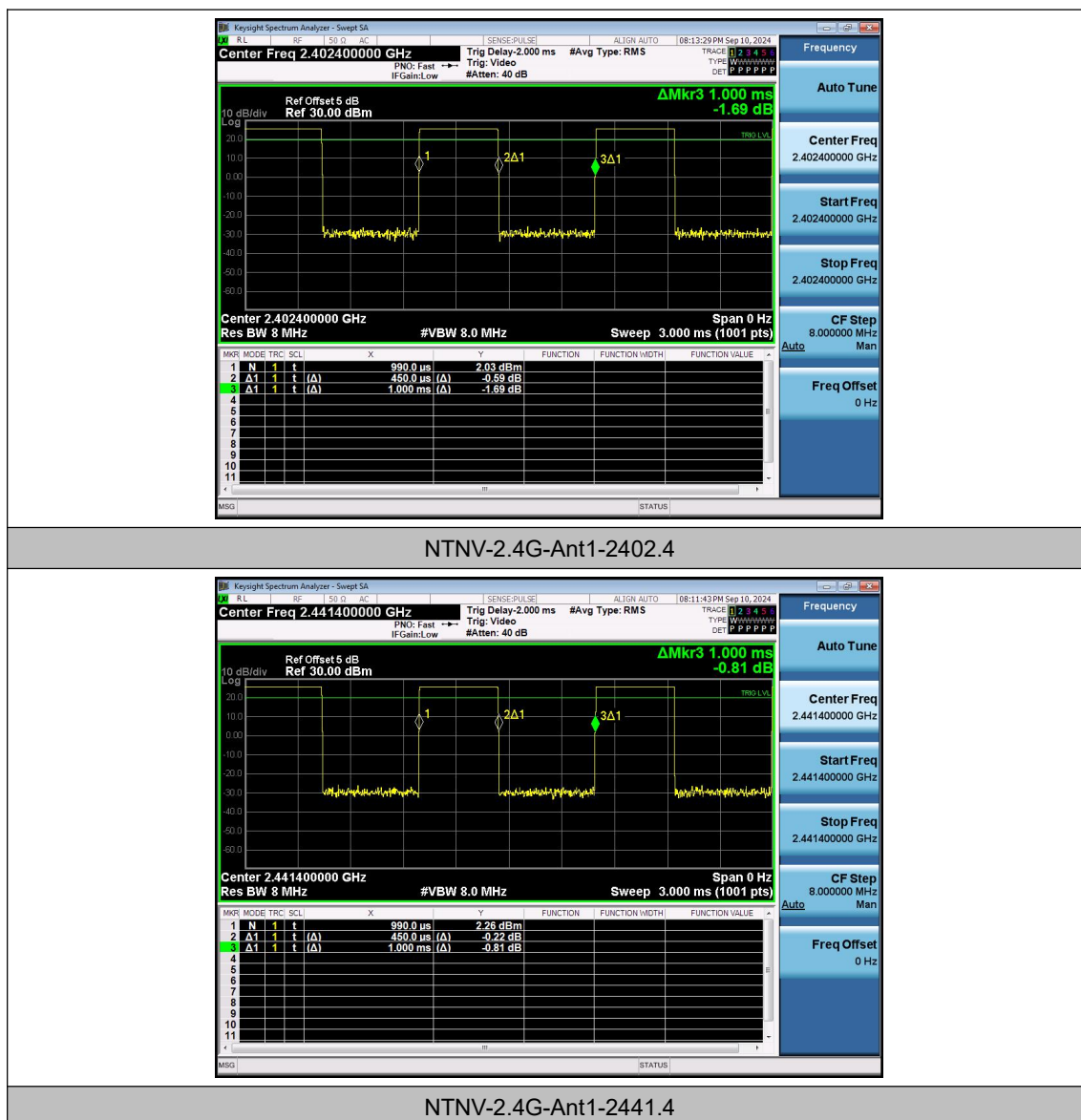


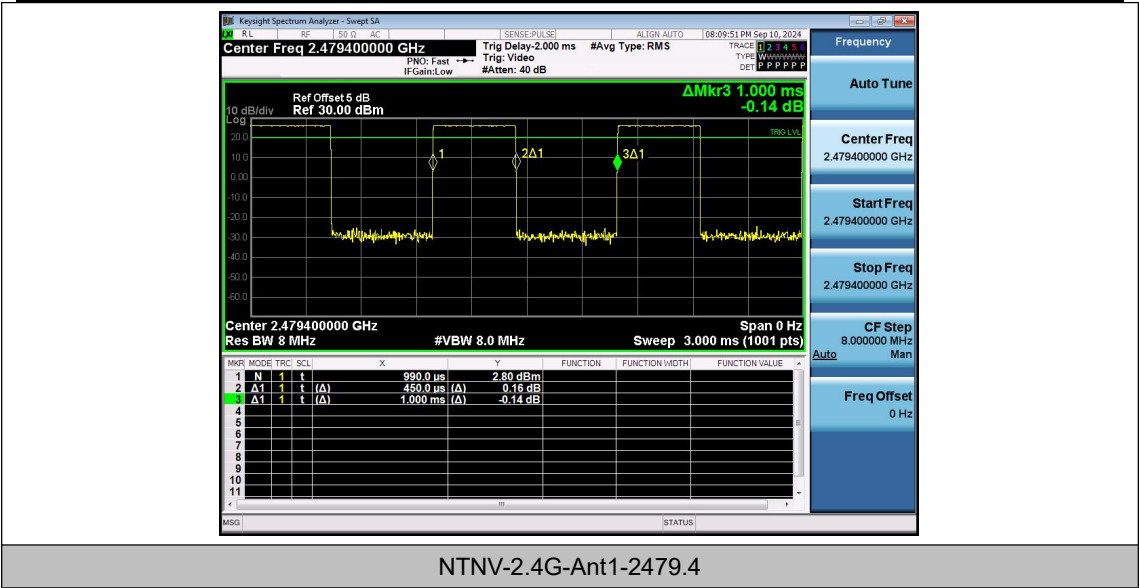
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	0.45	1.00	45.00	3.47
2.4G	Ant1	2441.4	0.45	1.00	45.00	3.47
2.4G	Ant1	2479.4	0.45	1.00	45.00	3.47

Test Graphs





NTNV-2.4G-Ant1-2479.4

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