

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°C	Relative Humidity:	47%
Pressure:	101kPa		
ANT2			

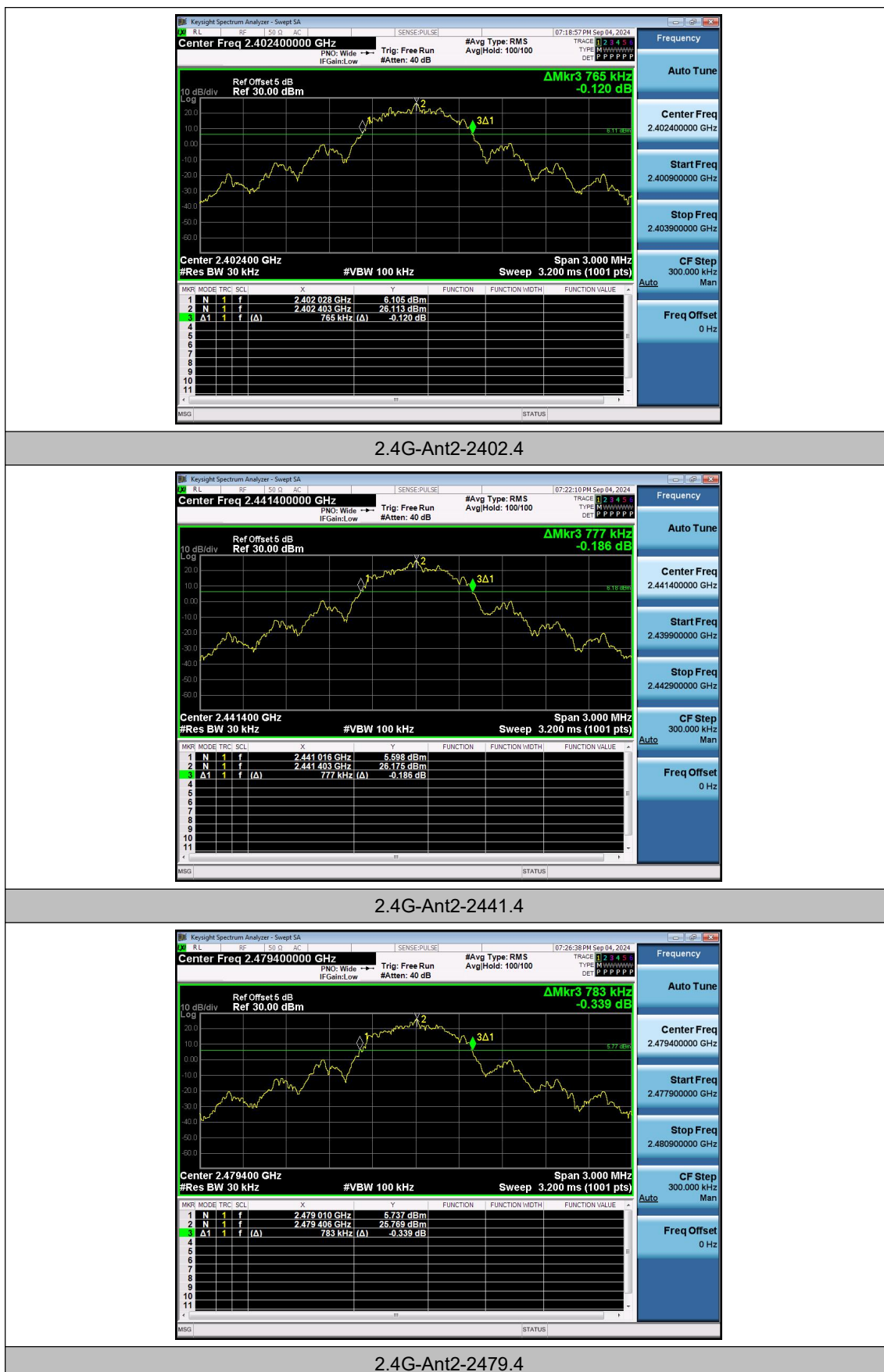
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant2	2402.4	0.765	2402.028	2402.793	---	---
2.4G	Ant2	2441.4	0.777	2441.016	2441.793	---	---
2.4G	Ant2	2479.4	0.783	2479.010	2479.793	---	---



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	0.71557	2402.0449	2402.7604	---	---
2.4G	Ant2	2441.4	0.71533	2441.0487	2441.7640	---	---
2.4G	Ant2	2479.4	0.72031	2479.0483	2479.7686	---	---

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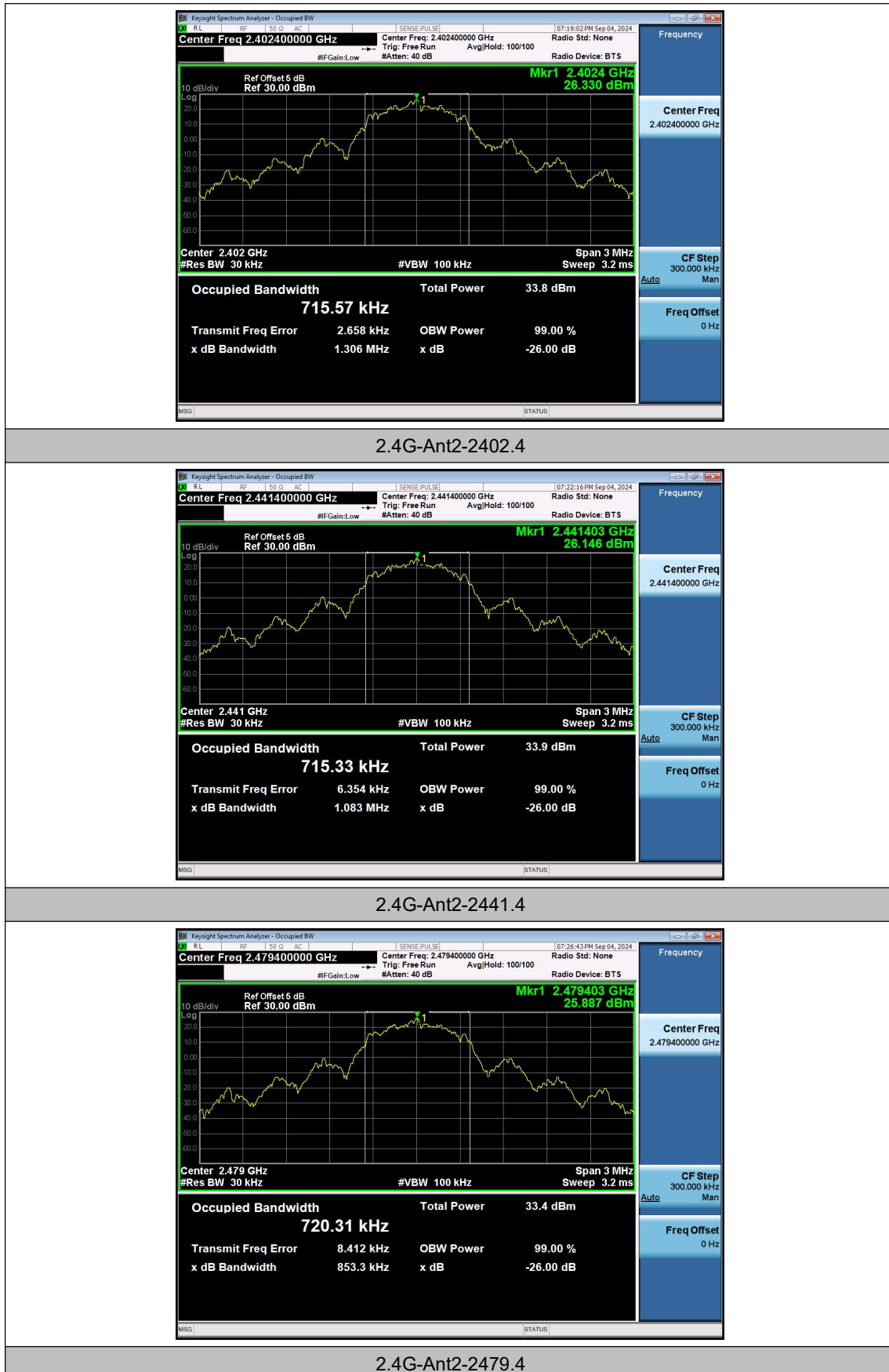
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Test Graphs



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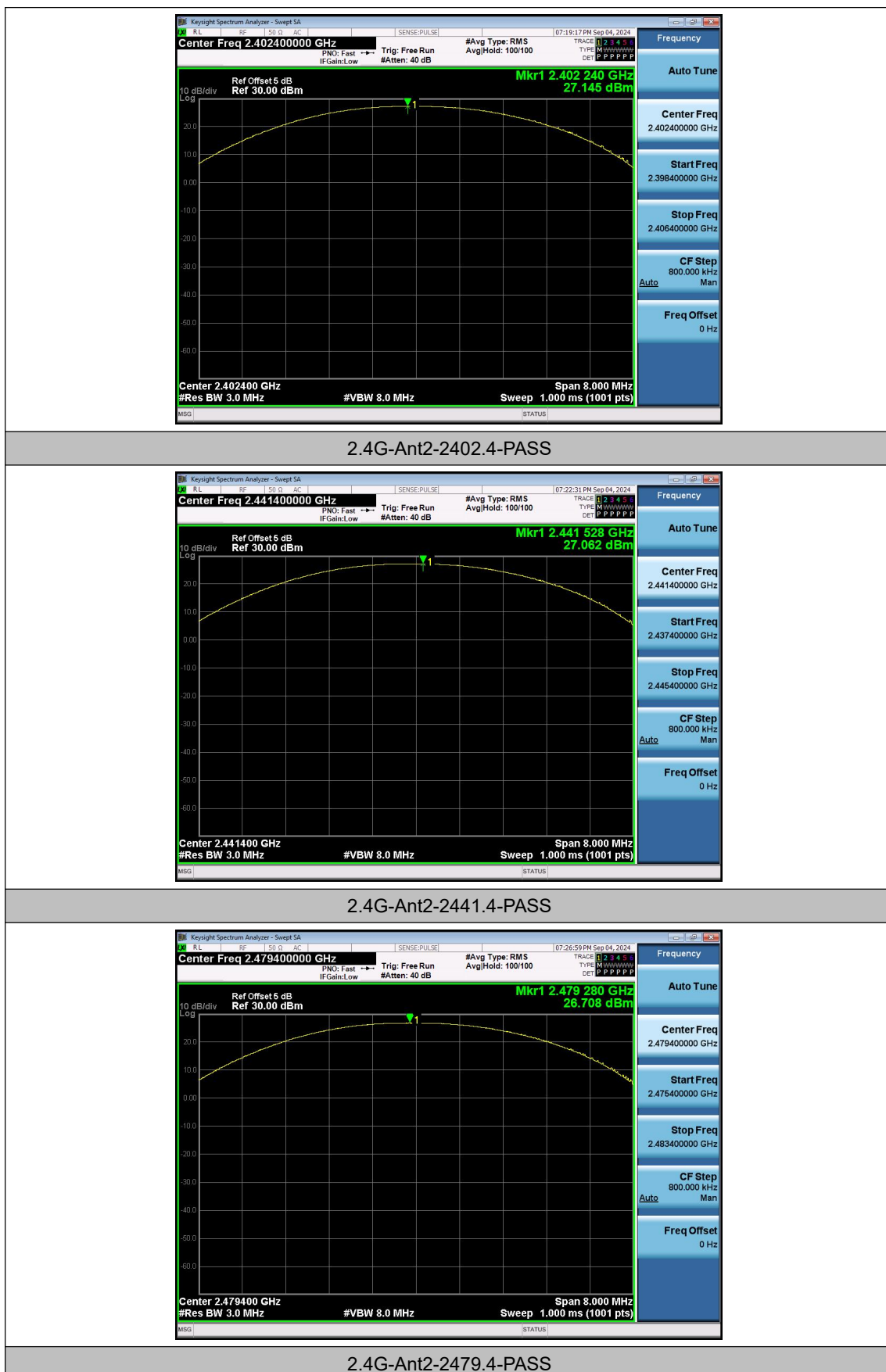
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant2	2402.4	27.15	≤30	PASS
2.4G	Ant2	2441.4	27.06	≤30	PASS
2.4G	Ant2	2479.4	26.71	≤30	PASS



Test Graphs



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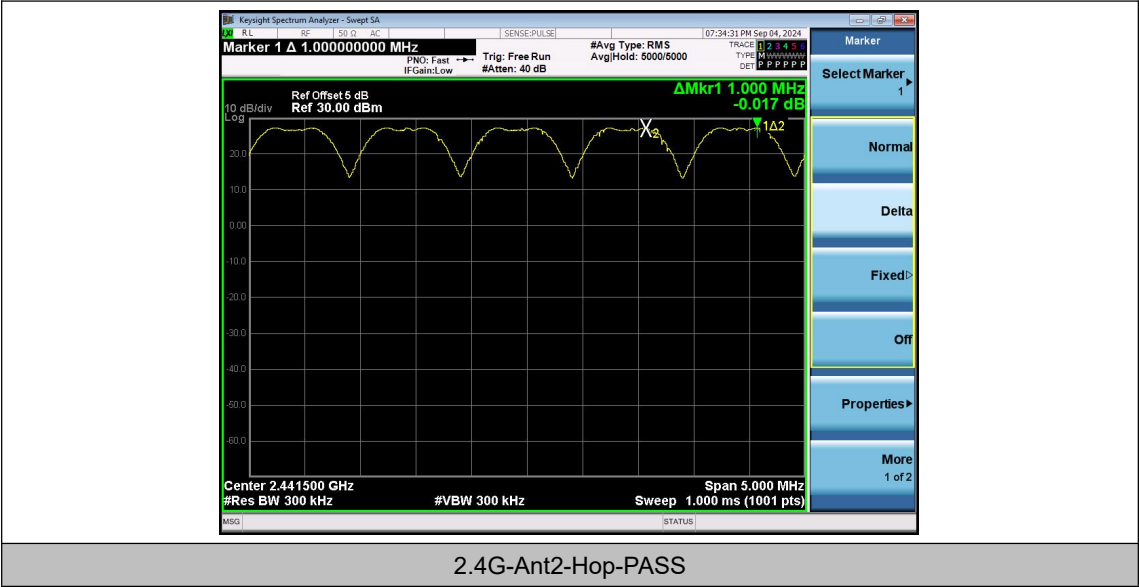


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant2	Hop	1.00	≥0.783	PASS

Test Graphs

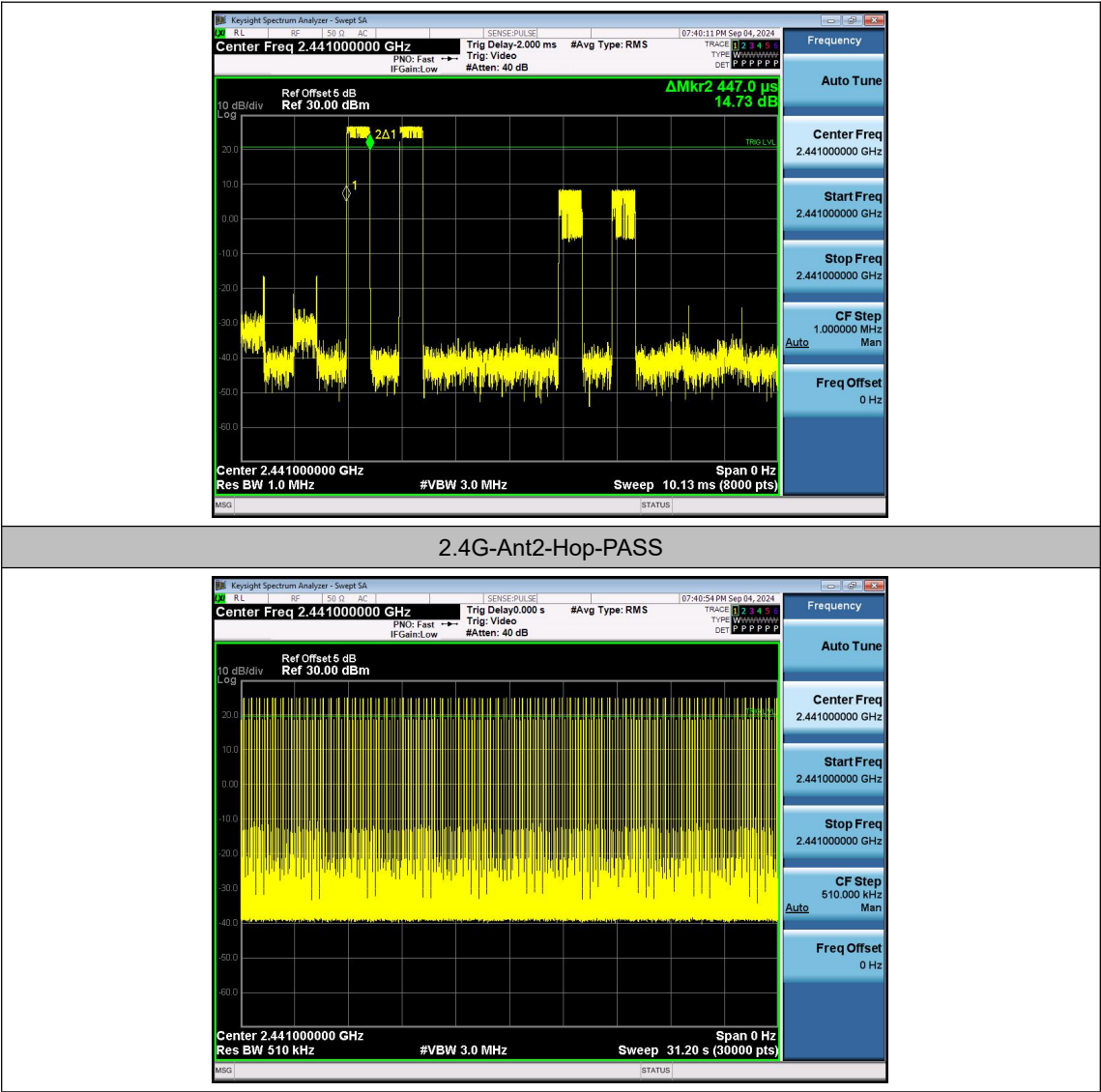


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant2	Hop	0.447	200	0.0894	≤0.4	PASS

Test Graphs

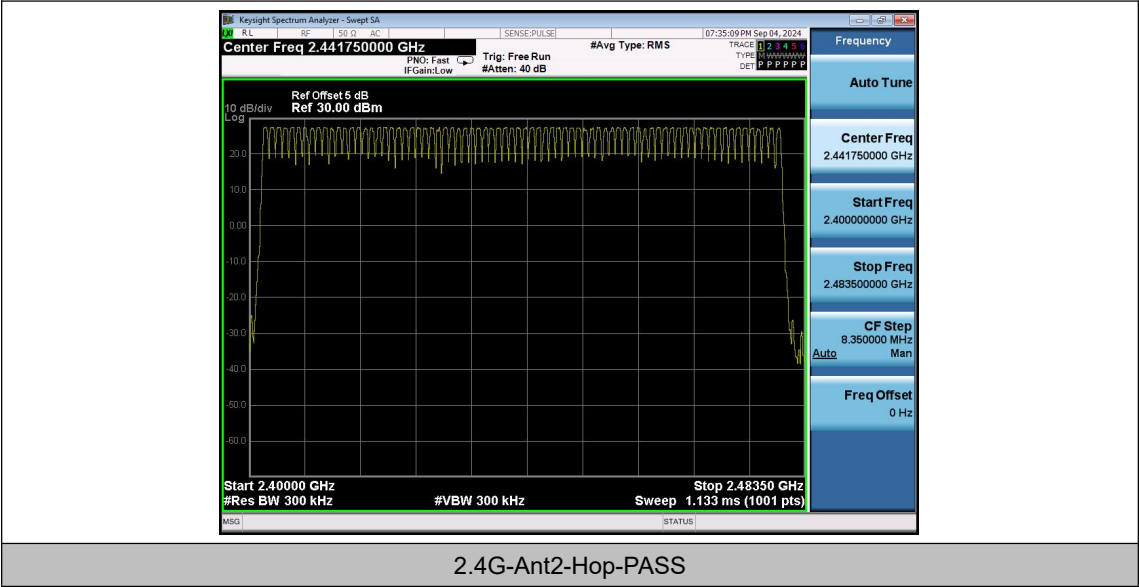


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs

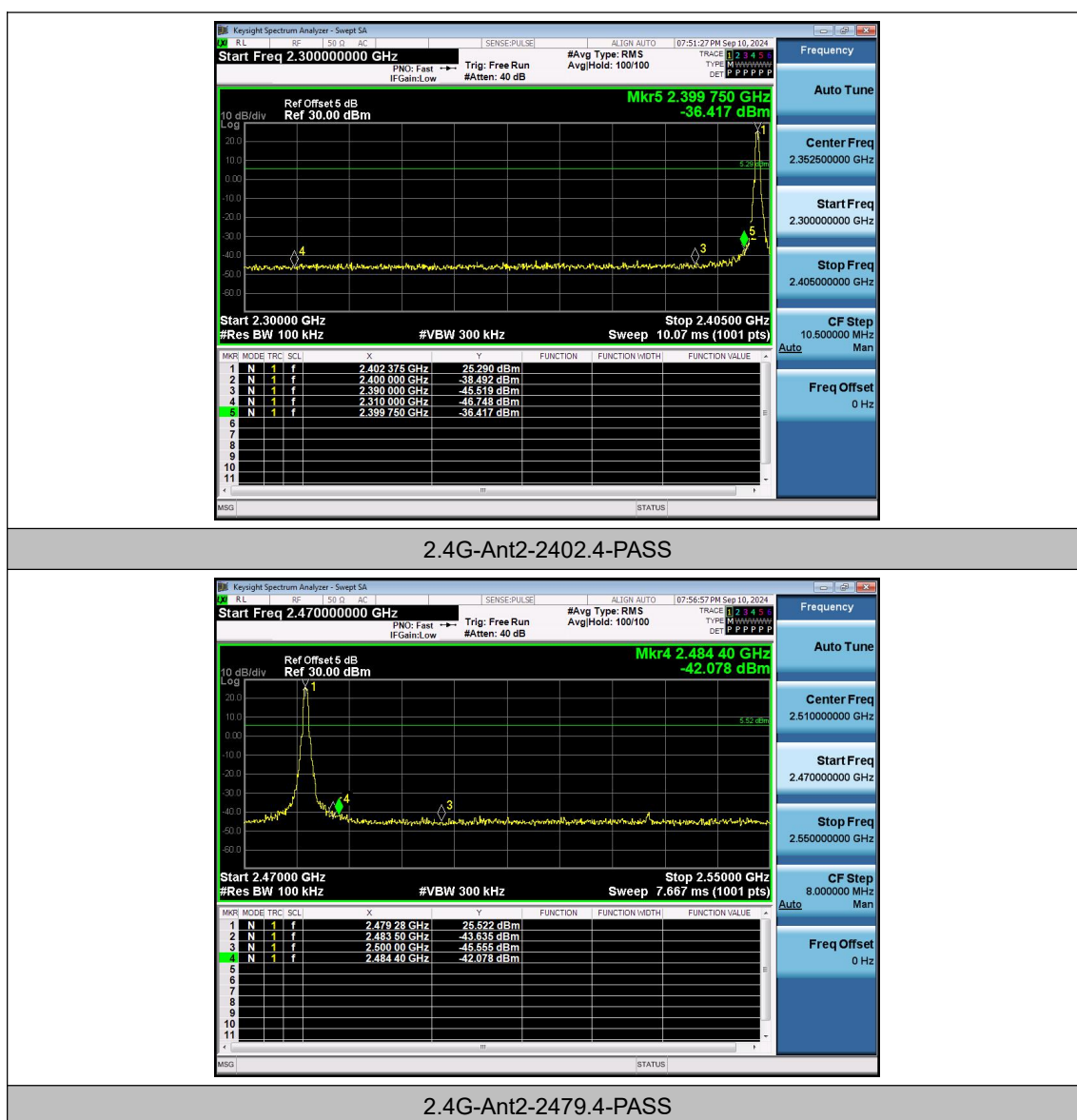


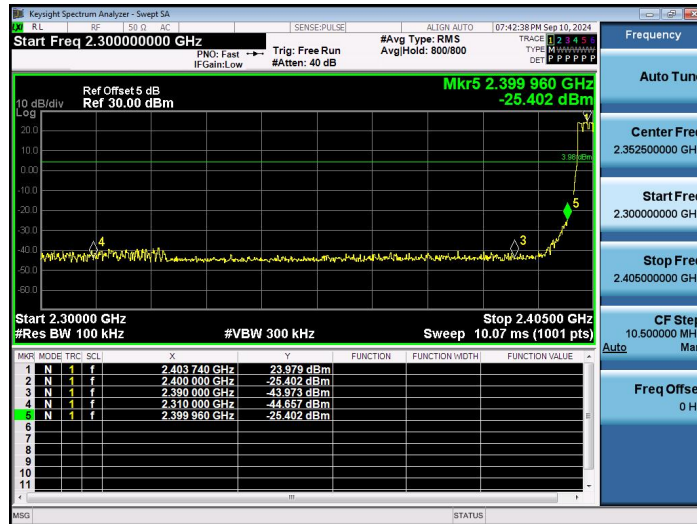
Appendix G: Conducted Band edge

Test Result

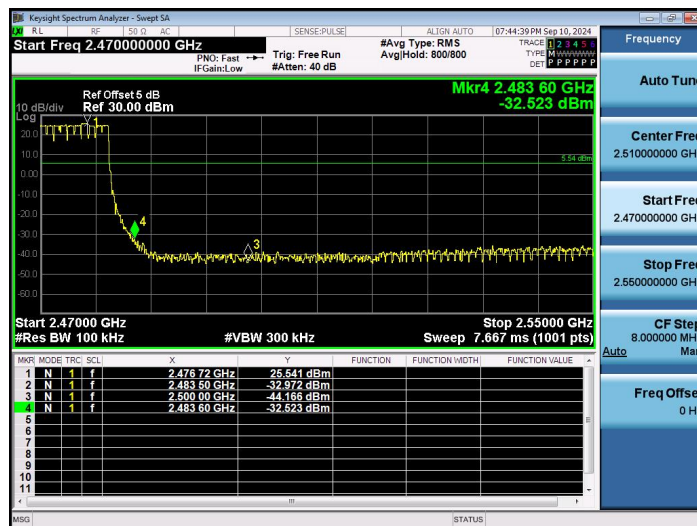
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	Low	2402.4	25.29	-36.42	≤5.29	PASS
2.4G	Ant2	High	2479.4	25.52	-42.08	≤5.52	PASS
2.4G	Ant2	Low	Hop_2402.4	23.98	-25.4	≤3.98	PASS
2.4G	Ant2	High	Hop_2479.4	25.54	-32.52	≤5.54	PASS

Test Graphs





2.4G-Ant2-Hop_2402.4-PASS



2.4G-Ant2-Hop_2479.4-PASS



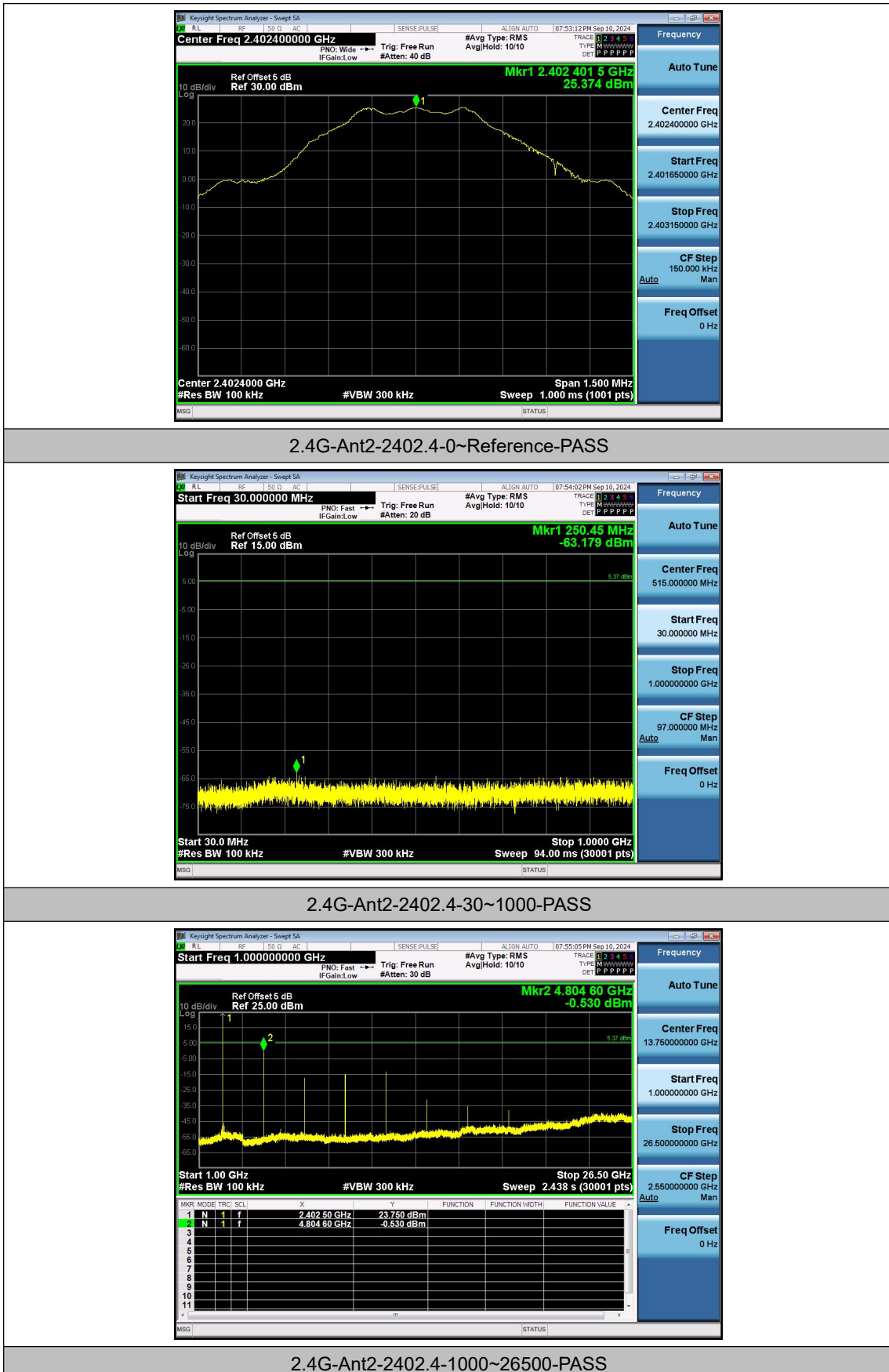
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	2402.4	0~Reference	25.37	25.37	---	PASS
2.4G	Ant2	2402.4	30~1000	25.37	-63.18	≤5.37	PASS
2.4G	Ant2	2402.4	1000~26500	25.37	-0.53	≤5.37	PASS
2.4G	Ant2	2441.4	0~Reference	24.60	24.60	---	PASS
2.4G	Ant2	2441.4	30~1000	24.60	-63.83	≤4.60	PASS
2.4G	Ant2	2441.4	1000~26500	24.60	-2.48	≤4.60	PASS
2.4G	Ant2	2479.4	0~Reference	25.65	25.65	---	PASS
2.4G	Ant2	2479.4	30~1000	25.65	-63.36	≤5.65	PASS
2.4G	Ant2	2479.4	1000~26500	25.65	-4.07	≤5.65	PASS



Test Graphs



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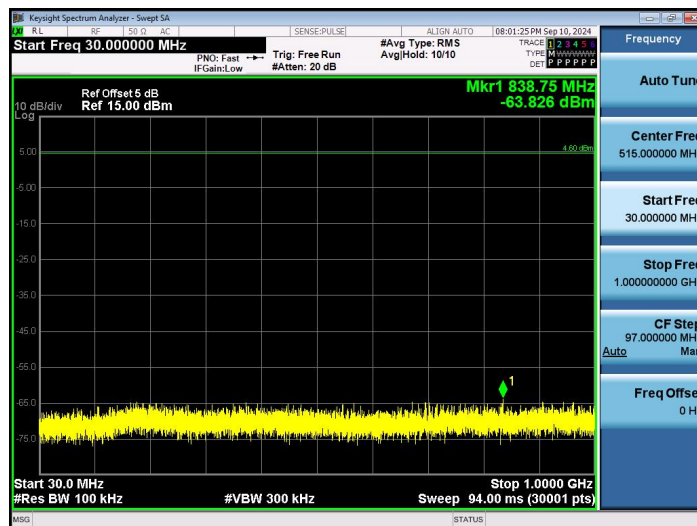
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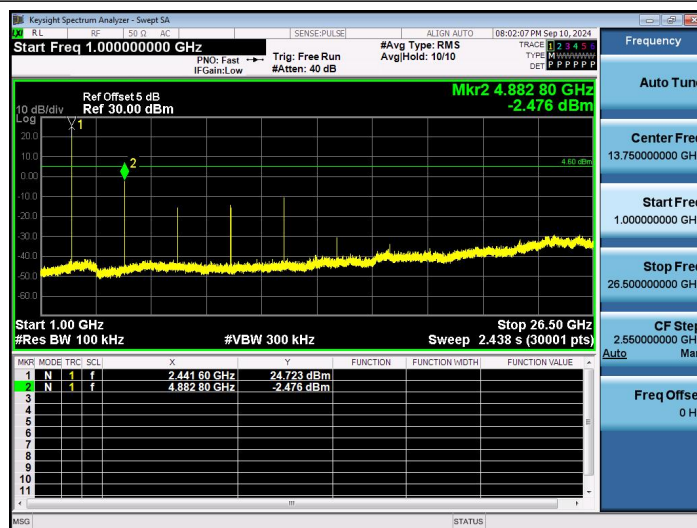




2.4G-Ant2-2441.4-0~Reference-PASS



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

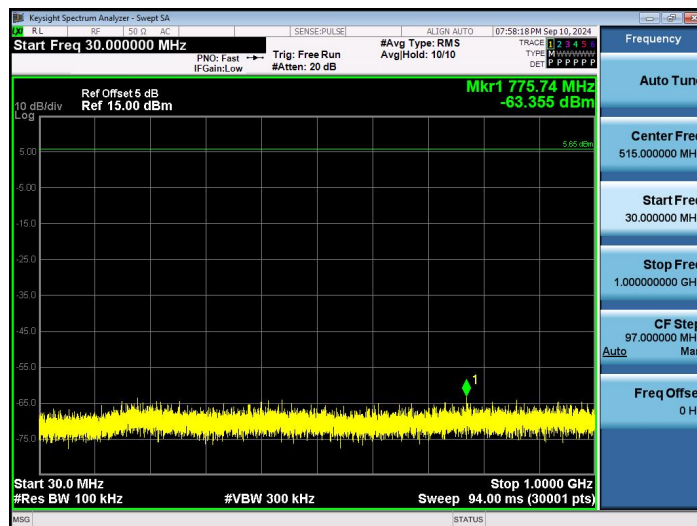


2.4G-Ant2-2441.4-1000~26500-PASS

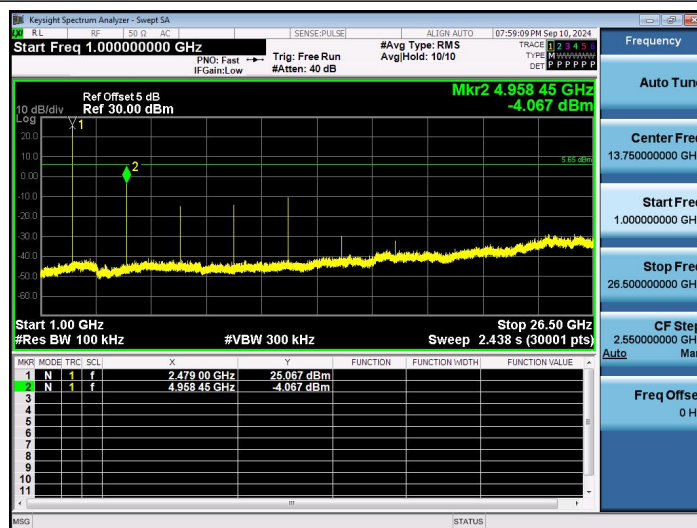




2.4G-Ant2-2479.4-0~Reference-PASS



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



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

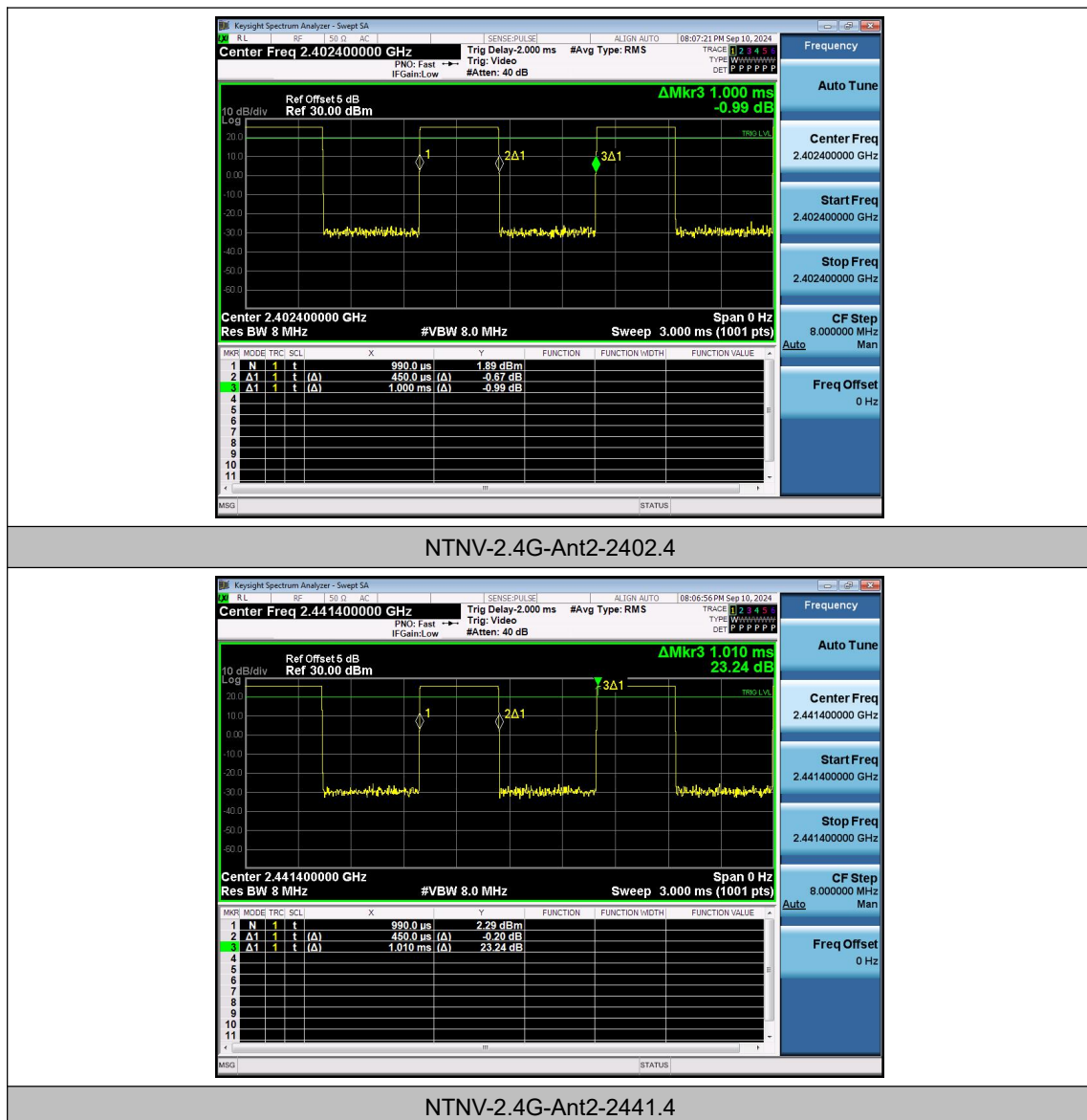


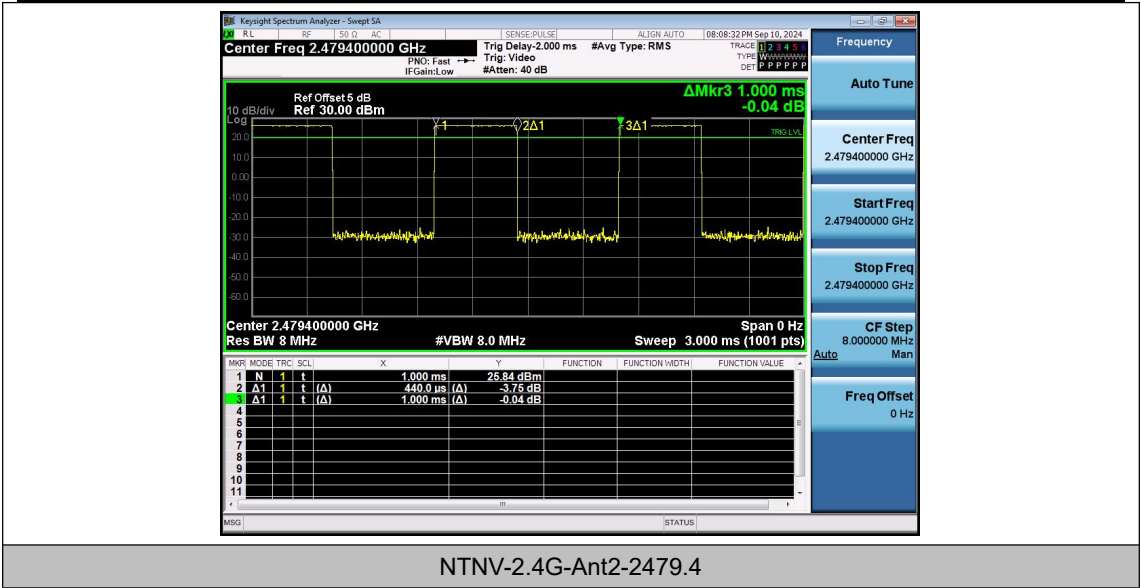
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant2	2402.4	0.45	1.00	45.00	3.47
2.4G	Ant2	2441.4	0.45	1.01	44.55	3.51
2.4G	Ant2	2479.4	0.44	1.00	44.00	3.57

Test Graphs





---End---

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