

Appendix Test Data_ANT2

Report No.:	1812C40077712503	Test Sample No.:	1-2-2
Start Test Date:	2024.9.13	Finish Test Date:	2024.12.8
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

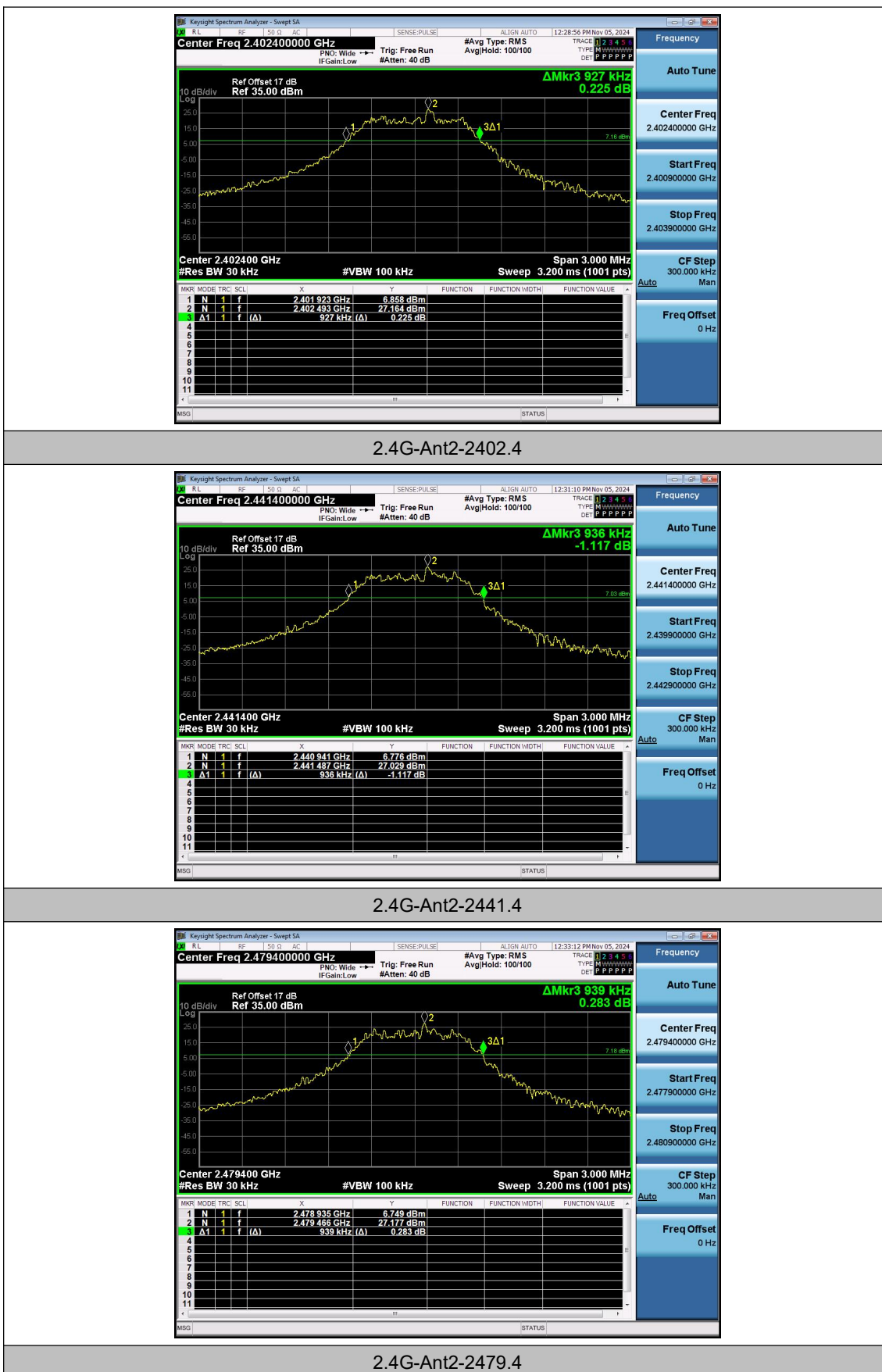
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant2	2402.4	0.927	2401.923	2402.850	---	---
2.4G	Ant2	2441.4	0.936	2440.941	2441.877	---	---
2.4G	Ant2	2479.4	0.939	2478.935	2479.874	---	---



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	0.84857	2401.9712	2402.8198	---	---
2.4G	Ant2	2441.4	0.88566	2440.9546	2441.8402	---	---
2.4G	Ant2	2479.4	0.88915	2478.9584	2479.8475	---	---

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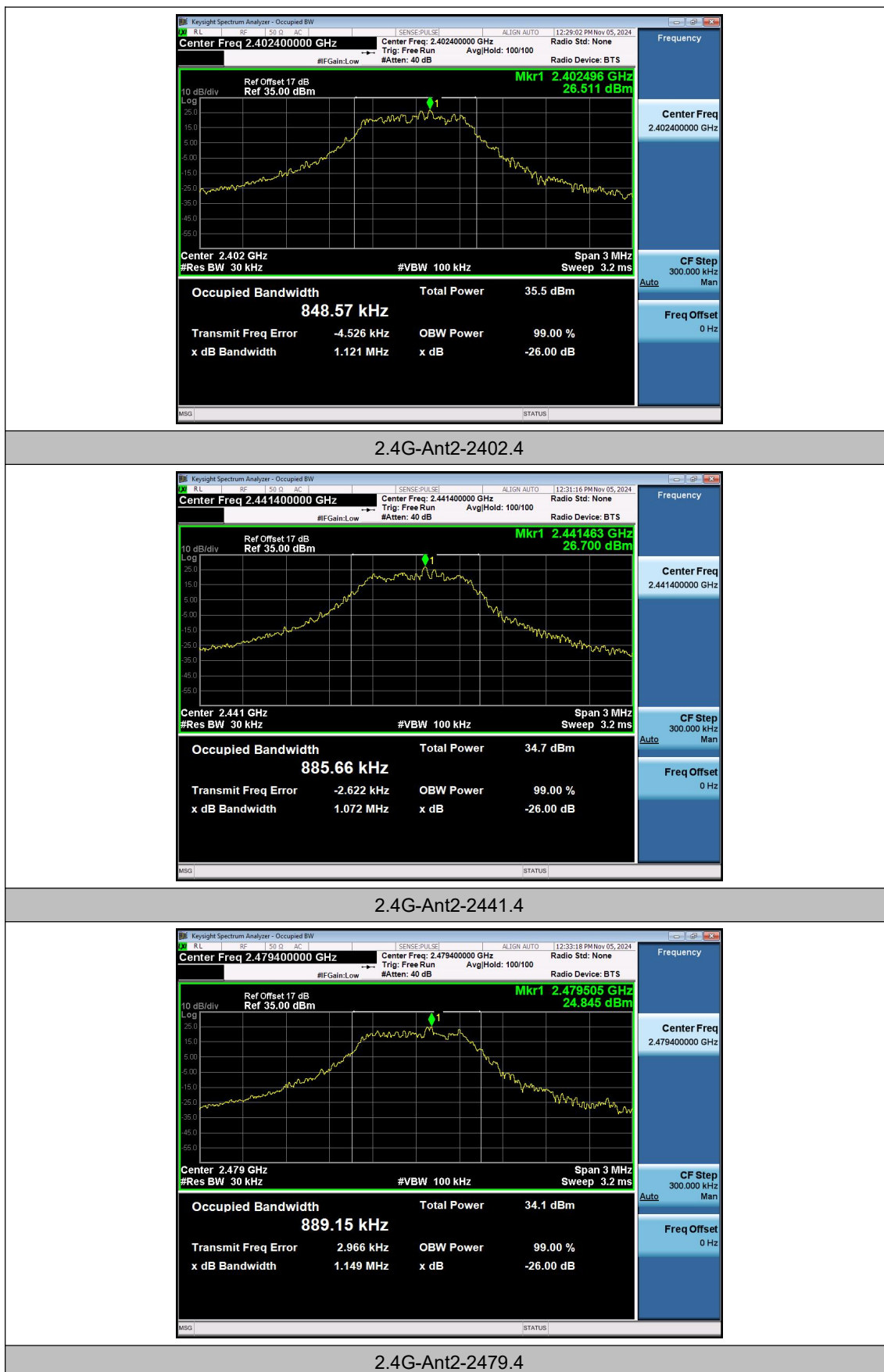
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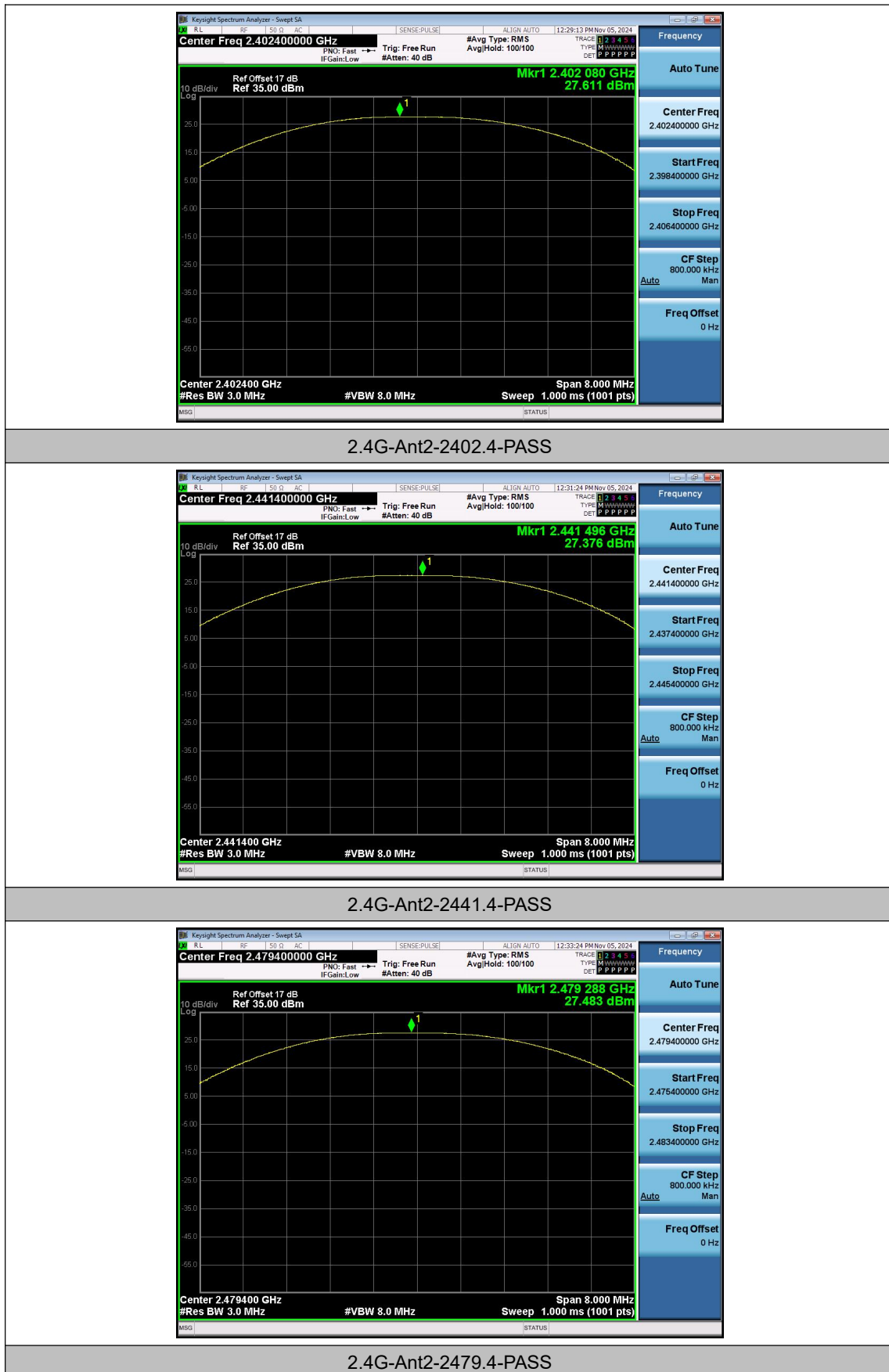
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant2	2402.4	27.61	≤30	PASS
2.4G	Ant2	2441.4	27.38	≤30	PASS
2.4G	Ant2	2479.4	27.48	≤30	PASS



Test Graphs



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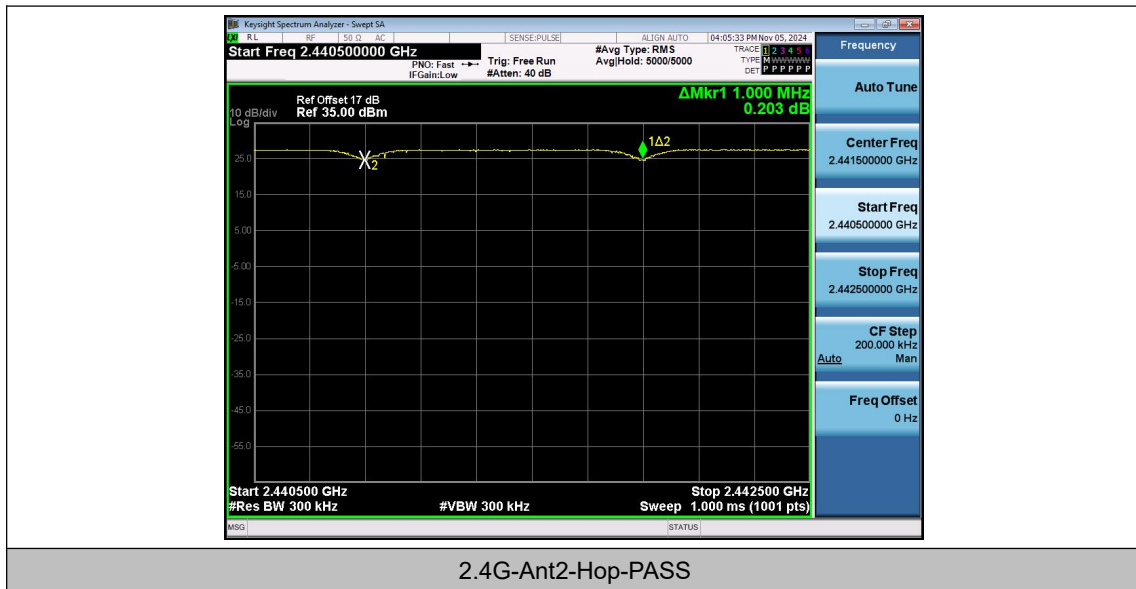
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant2	Hop	1	≥ 0.939	PASS



Test Graphs



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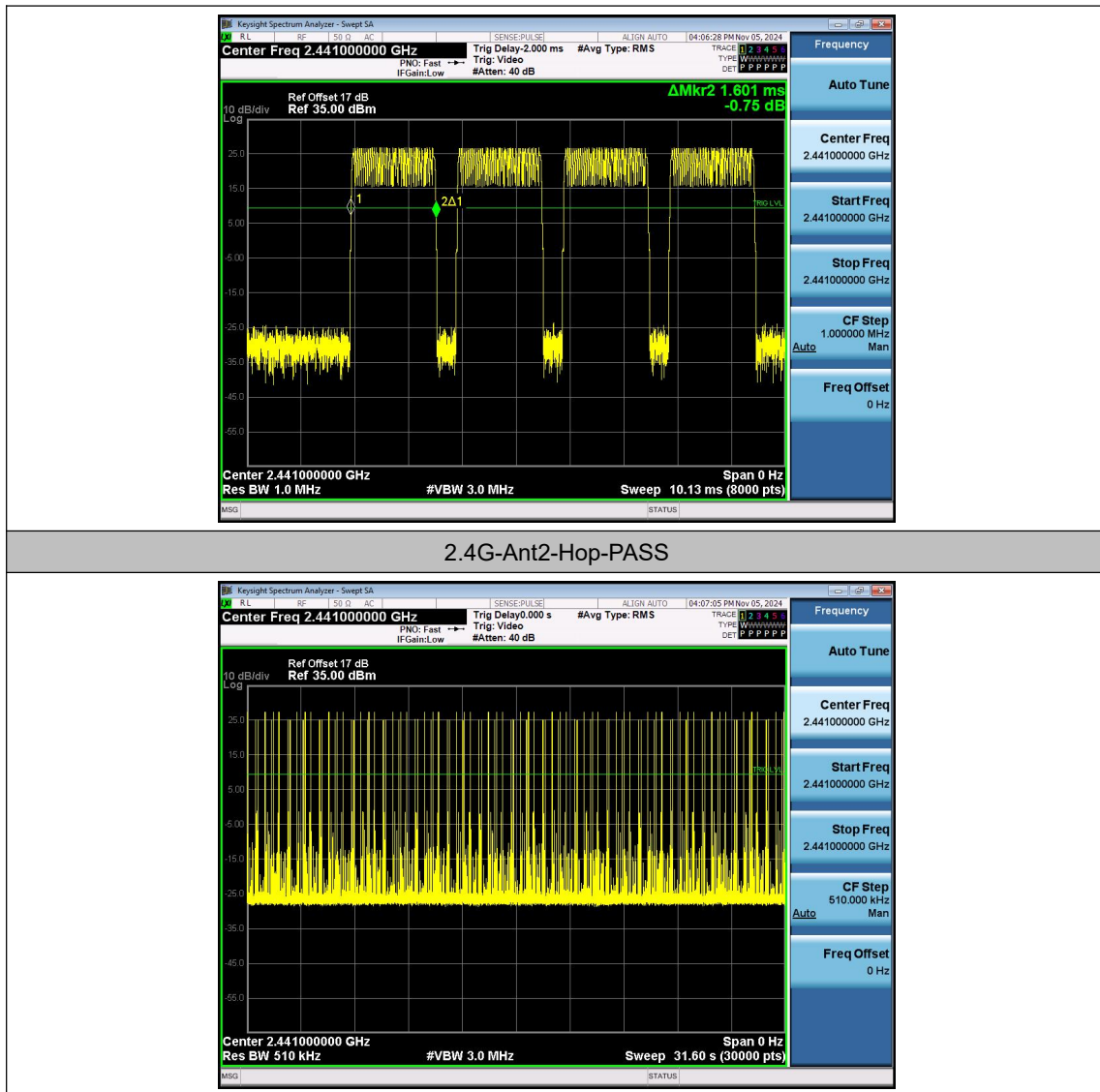
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant2	Hop	1.601	102	0.163	≤0.4	PASS



Test Graphs



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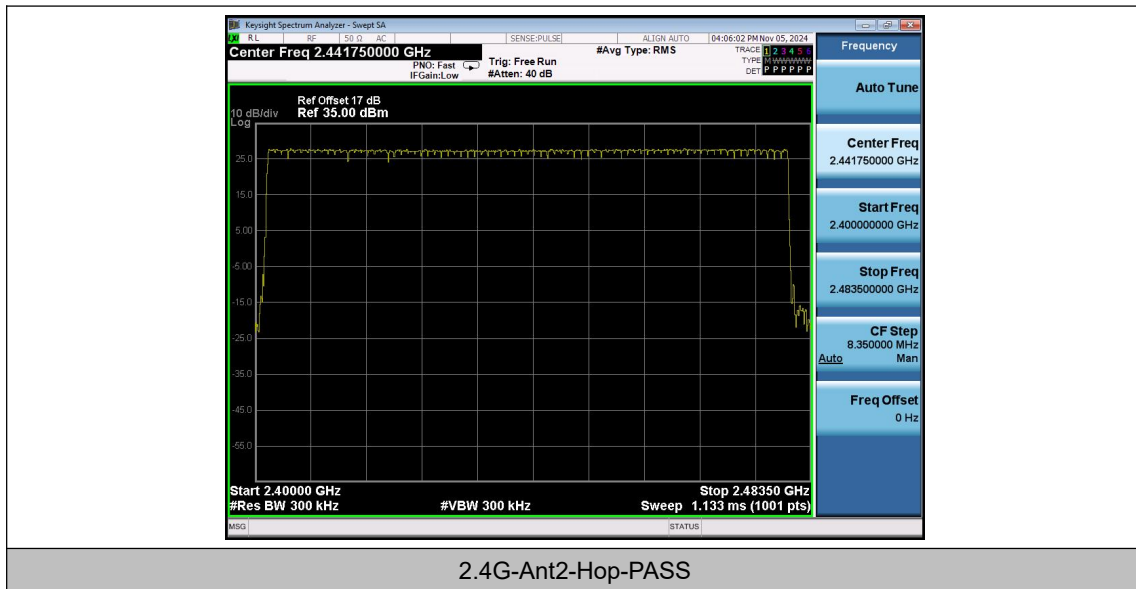
Appendix F: Number of Hopping Channel

Test Result

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



Test Graphs



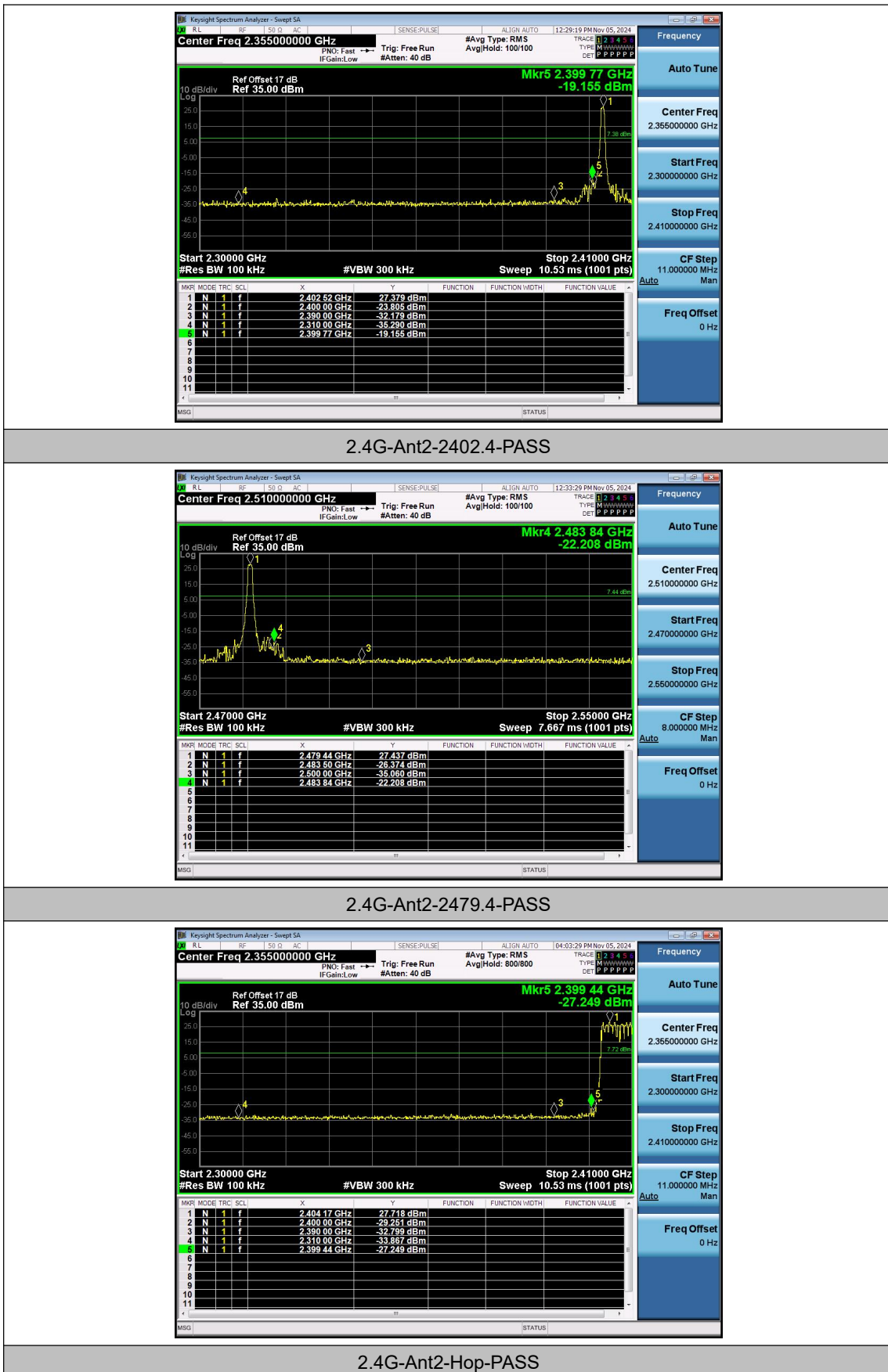
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	Low	2402.4	27.38	-19.16	≤7.38	PASS
2.4G	Ant2	High	2479.4	27.44	-22.21	≤7.44	PASS
2.4G	Ant2	Low	Hop	27.72	-27.25	≤7.72	PASS
2.4G	Ant2	High	Hop	27.63	-27.51	≤7.63	PASS



Test Graphs

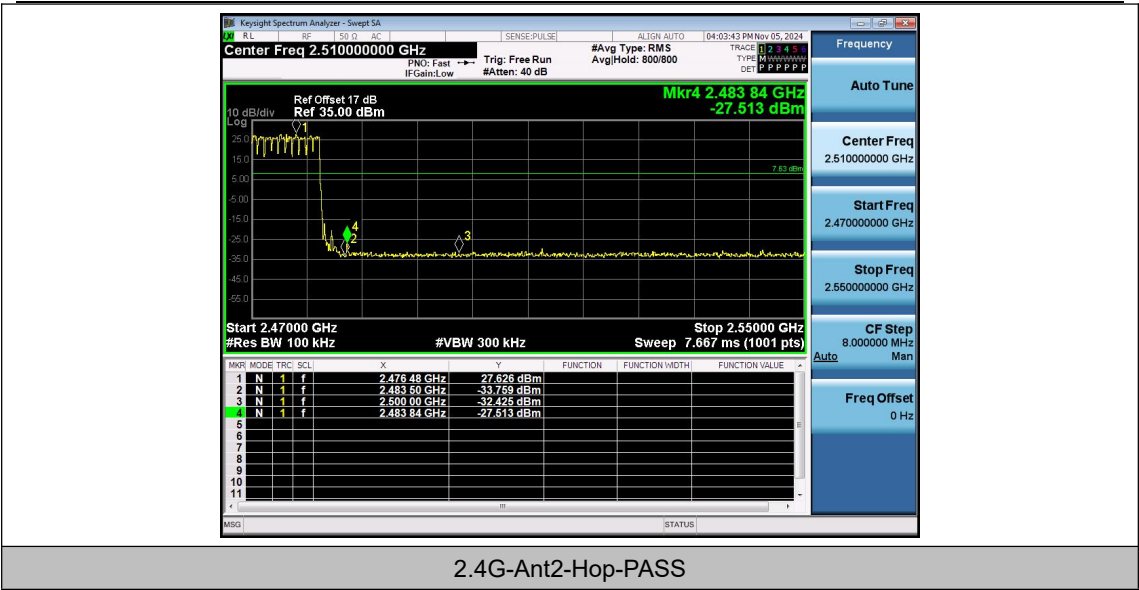


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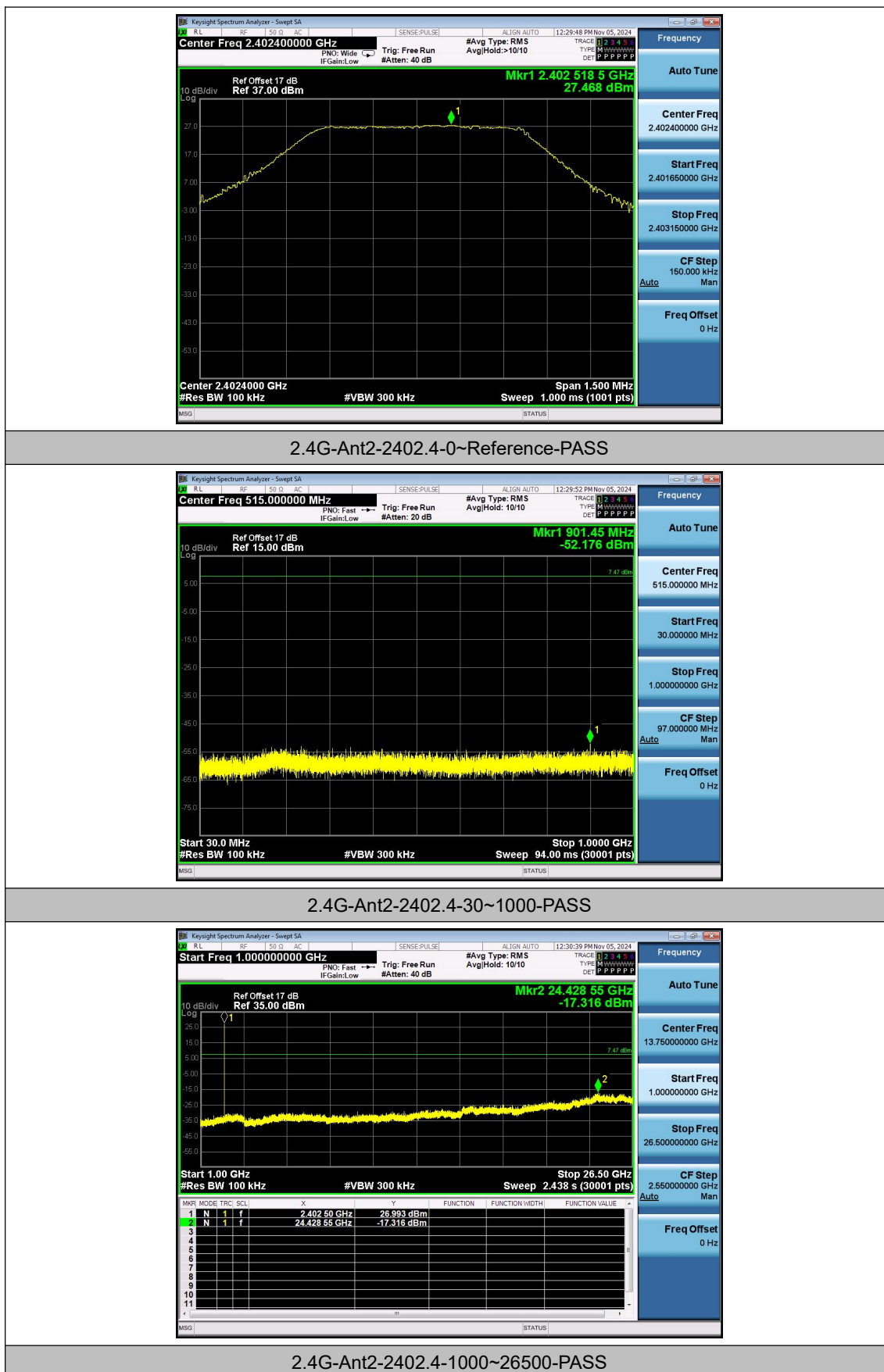
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant2	2402.4	0~Reference	27.47	27.47	---	PASS
2.4G	Ant2	2402.4	30~1000	27.47	-52.18	≤7.47	PASS
2.4G	Ant2	2402.4	1000~26500	27.47	-17.32	≤7.47	PASS
2.4G	Ant2	2441.4	0~Reference	27.29	27.29	---	PASS
2.4G	Ant2	2441.4	30~1000	27.29	-52.78	≤7.29	PASS
2.4G	Ant2	2441.4	1000~26500	27.29	-18.01	≤7.29	PASS
2.4G	Ant2	2479.4	0~Reference	27.45	27.45	---	PASS
2.4G	Ant2	2479.4	30~1000	27.45	-52.56	≤7.45	PASS
2.4G	Ant2	2479.4	1000~26500	27.45	-17.36	≤7.45	PASS



Test Graphs

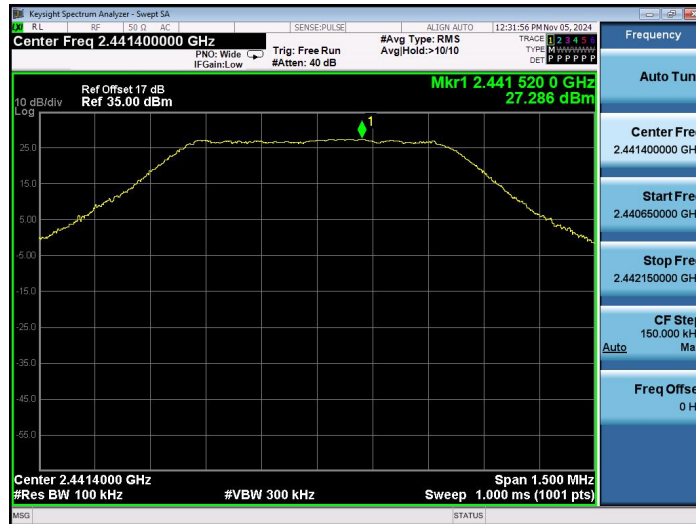


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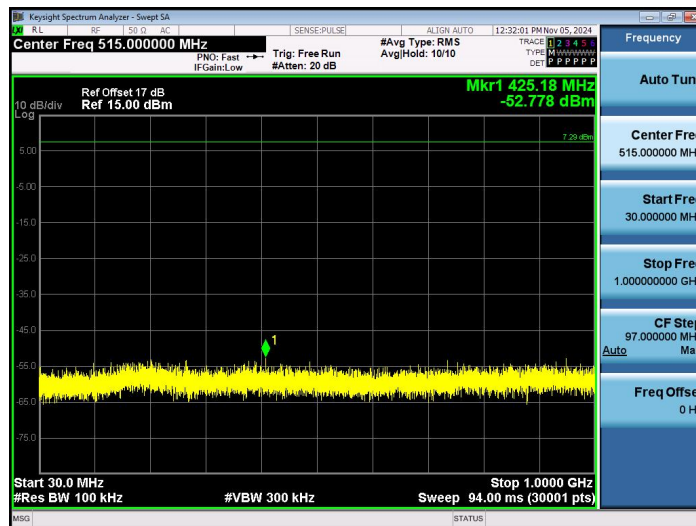
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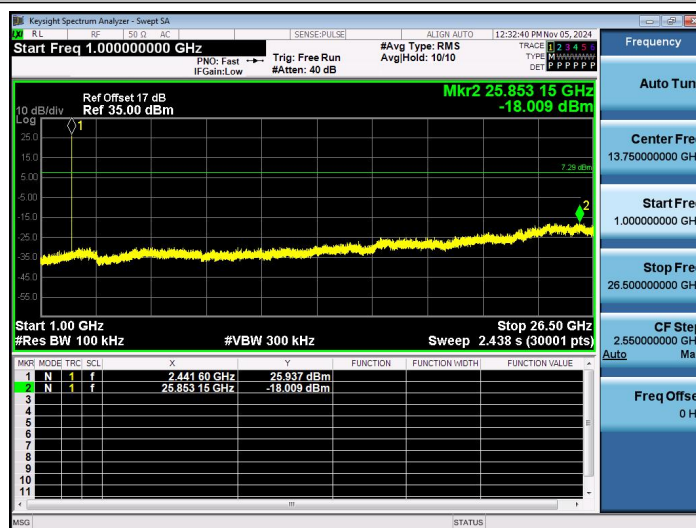




2.4G-Ant2-2441.4-0~Reference-PASS

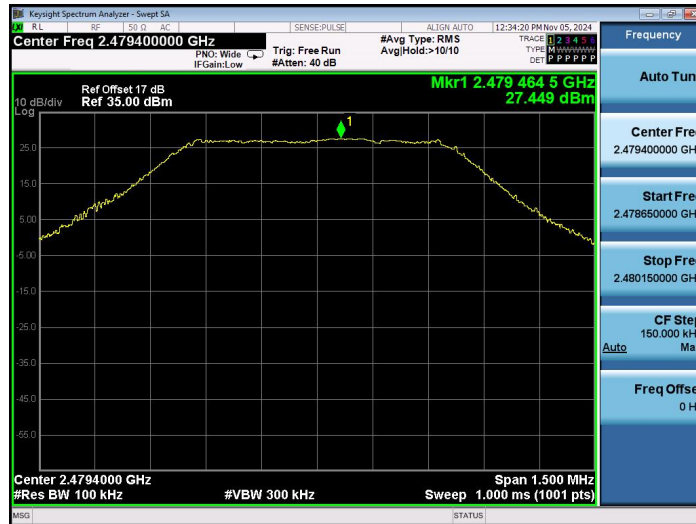


2.4G-Ant2-2441.4-30~1000-PASS

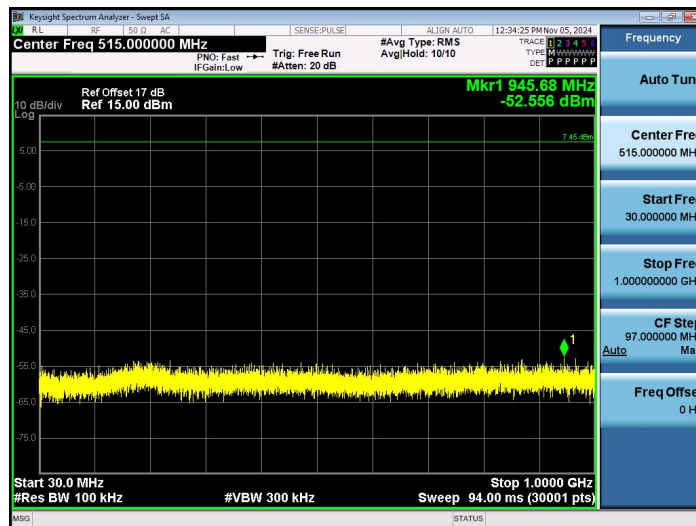


2.4G-Ant2-2441.4-1000~26500-PASS

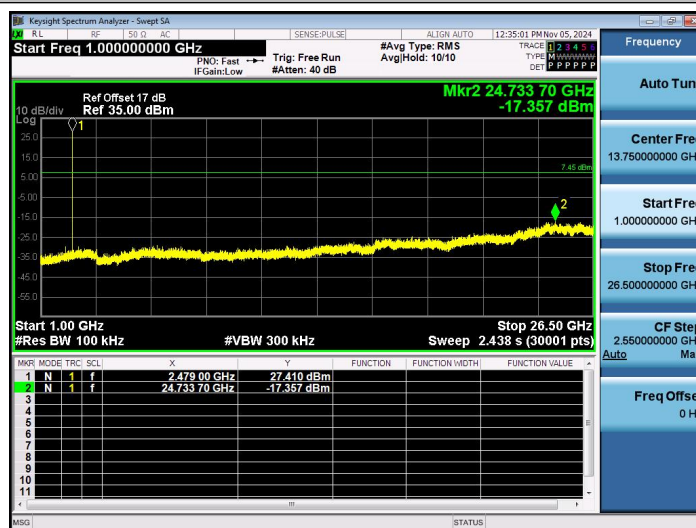




2.4G-Ant2-2479.4-0~Reference-PASS



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



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



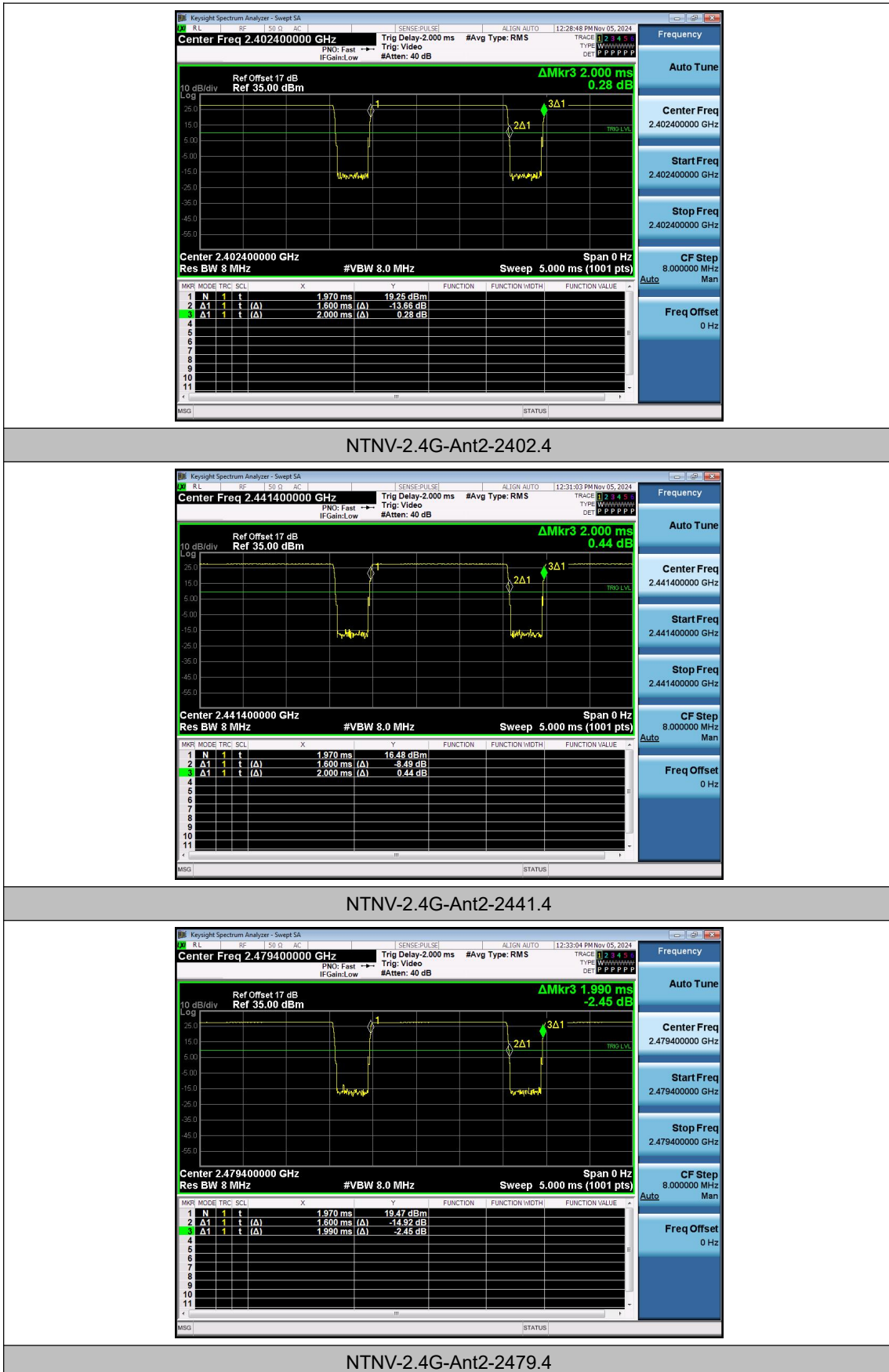
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant2	2402.4	1.60	2.00	80.00	0.97
2.4G	Ant2	2441.4	1.60	2.00	80.00	0.97
2.4G	Ant2	2479.4	1.60	1.99	80.40	0.95



Test Graphs



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