

Appendix Test Data

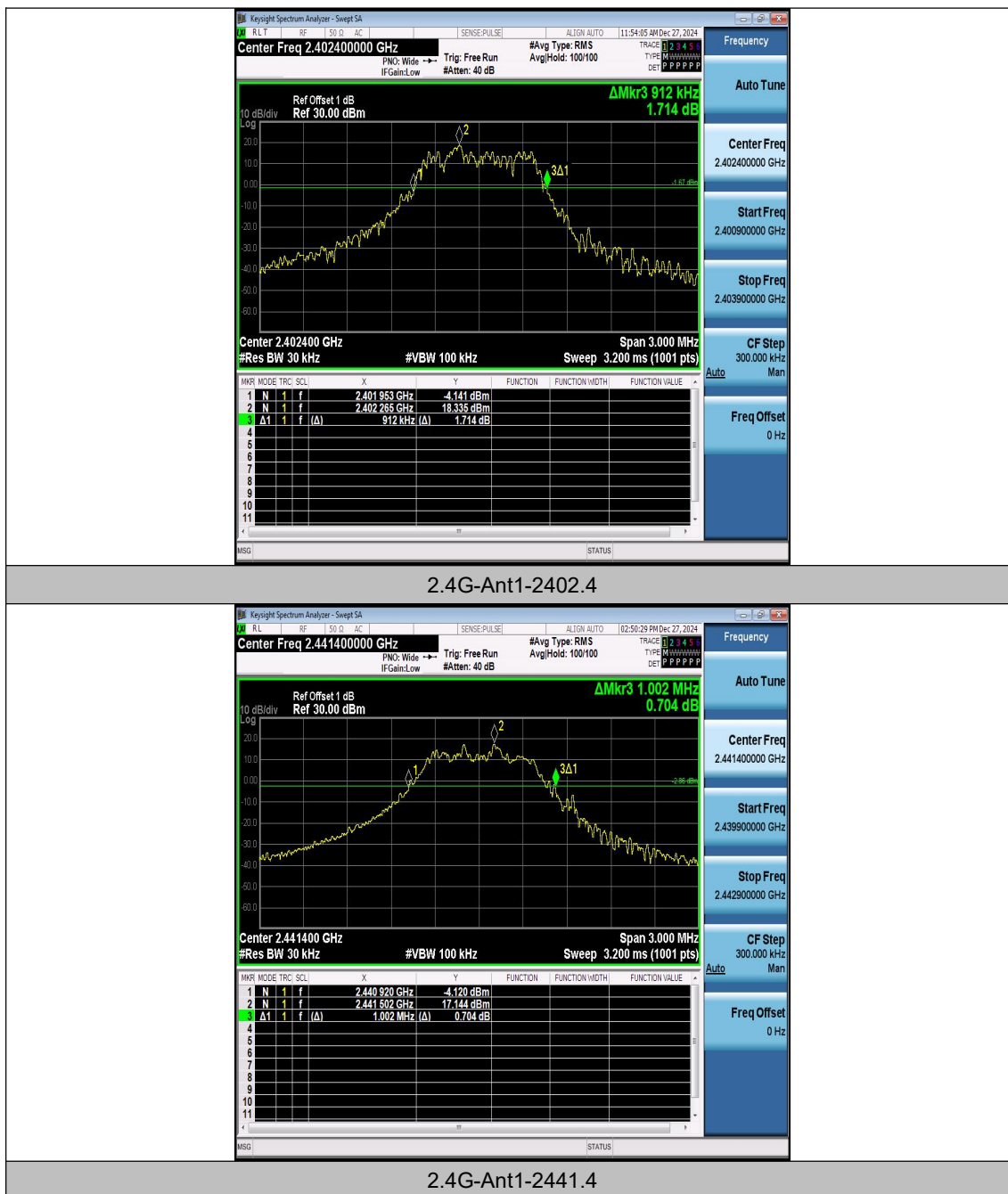
Report No.:	1812C40195012502	Test Sample No.:	1-2-2
Start Test Date:	2024.12.27	Finish Test Date:	2024.12.27
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.912	2401.953	2402.865	---	---
2.4G	Ant1	2441.4	1.002	2440.920	2441.922	---	---
2.4G	Ant1	2479.4	0.897	2478.959	2479.856	---	---

Test Graphs



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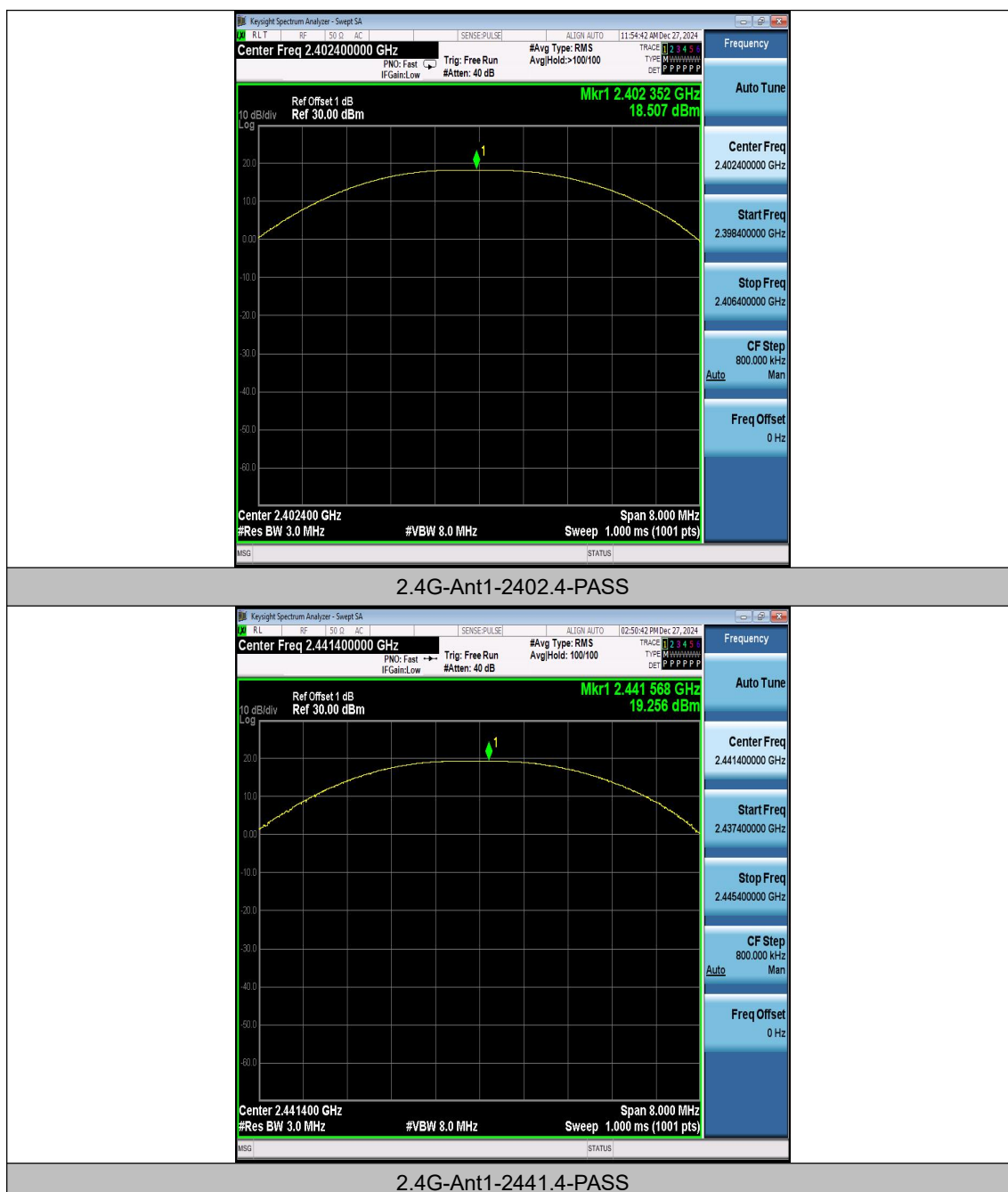
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Appendix B: Maximum Conducted Output Power

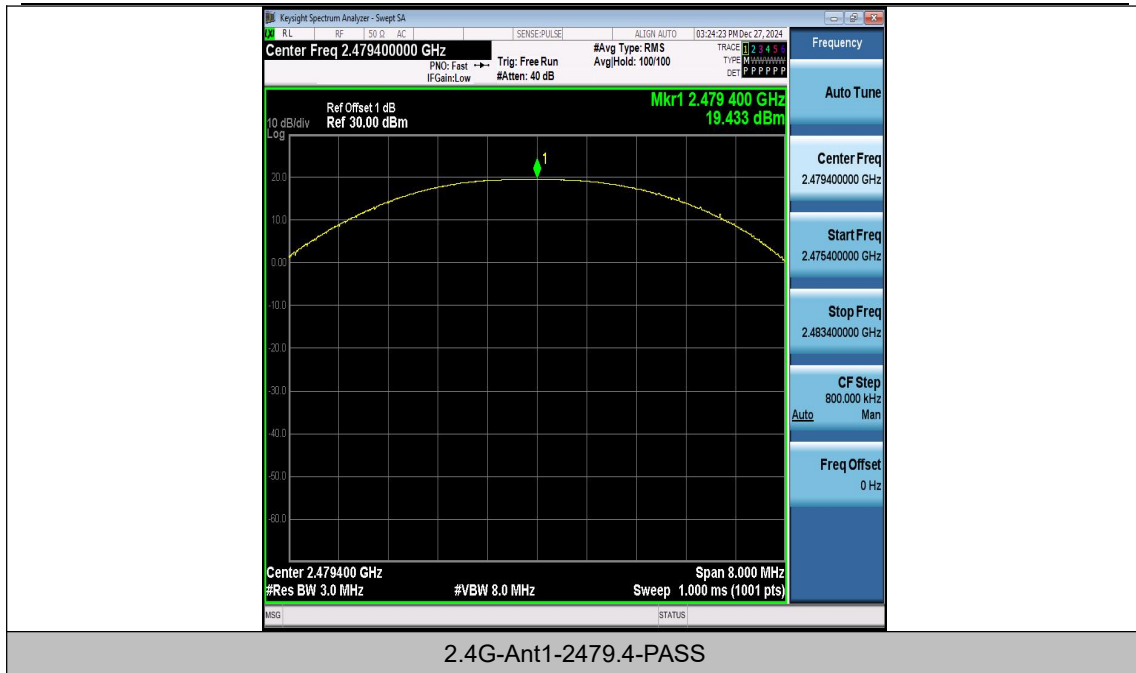
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	18.51	≤30	PASS
2.4G	Ant1	2441.4	19.26	≤30	PASS
2.4G	Ant1	2479.4	19.43	≤30	PASS

Test Graphs



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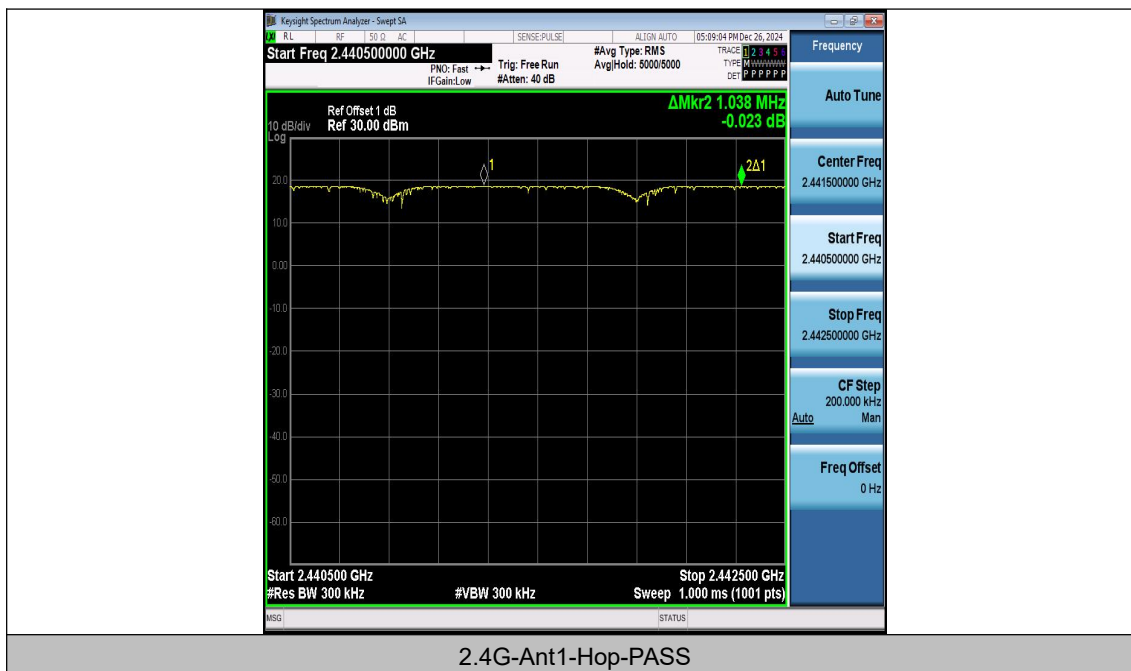
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Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.038	≥1.002	PASS

Test Graphs



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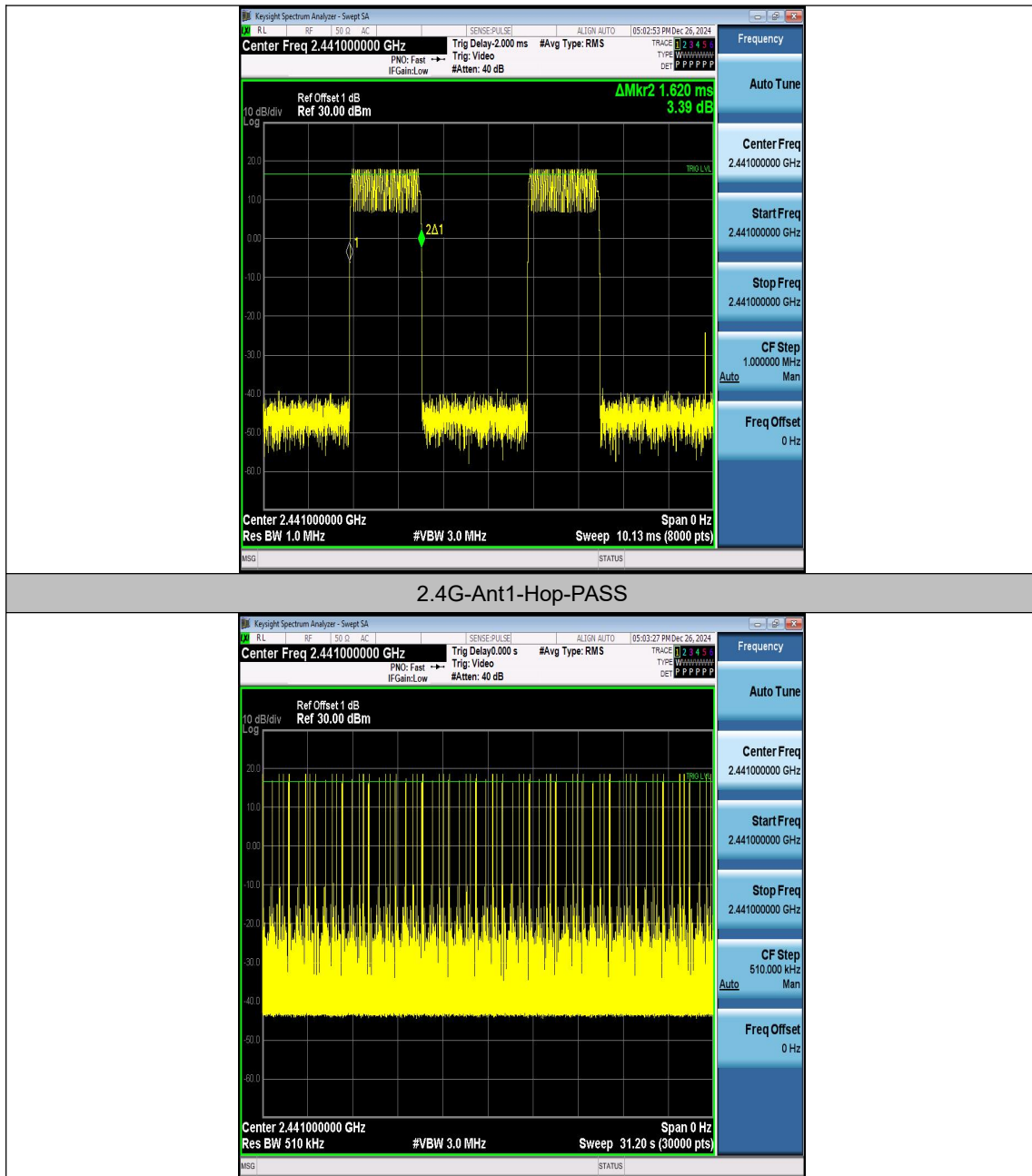
Appendix D: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	1.620	84	0.136	≤0.4	PASS



Test Graphs



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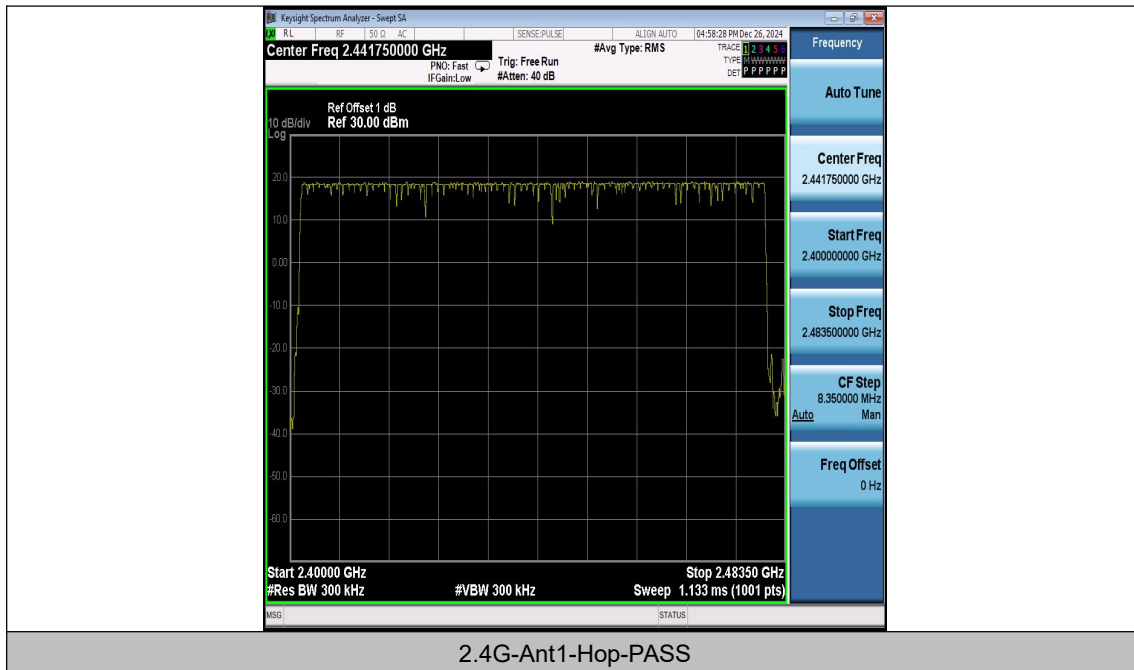
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Appendix E: Number of Hopping Channel

Test Result

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

Test Graphs



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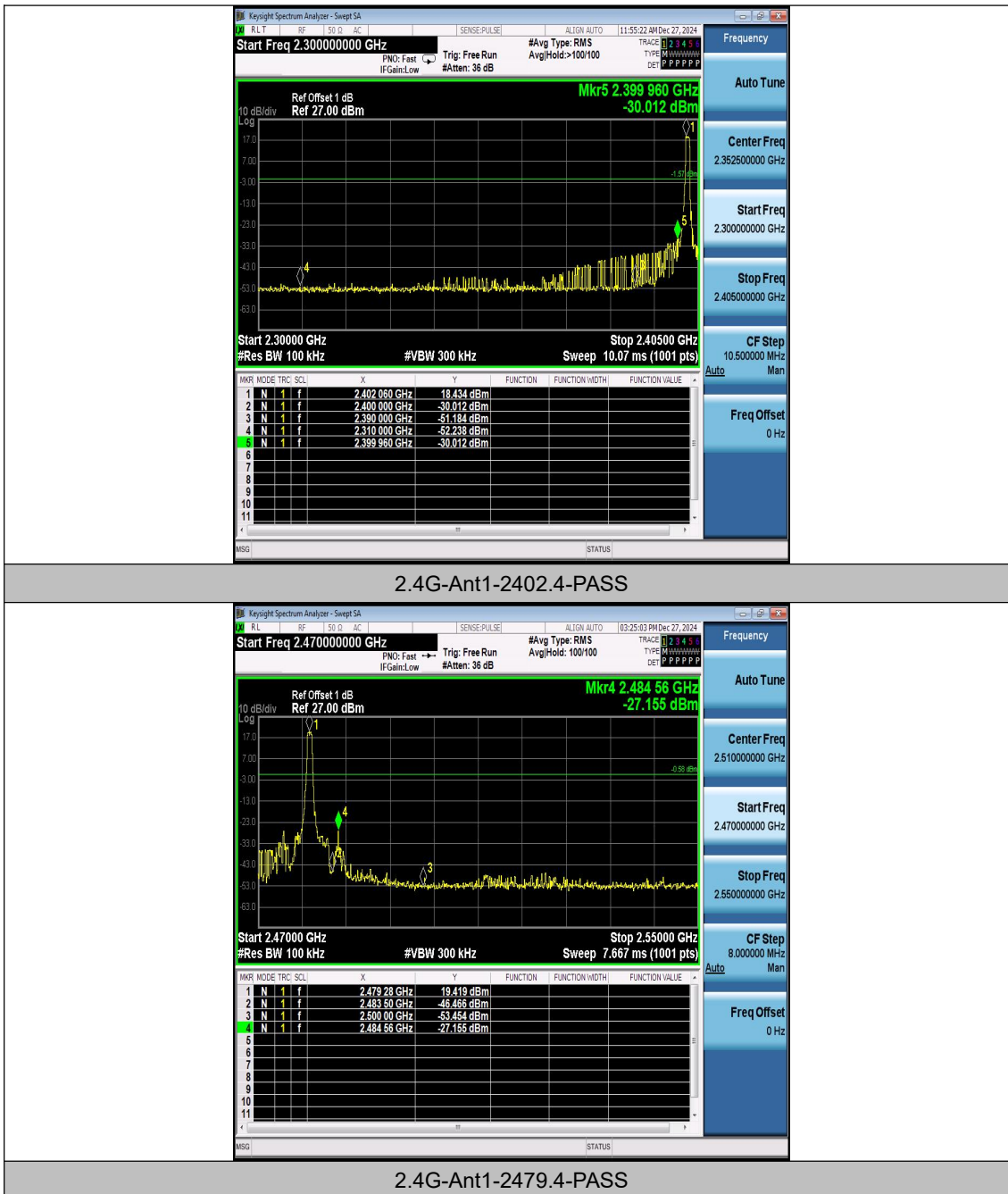
Appendix F: Conducted Band edge

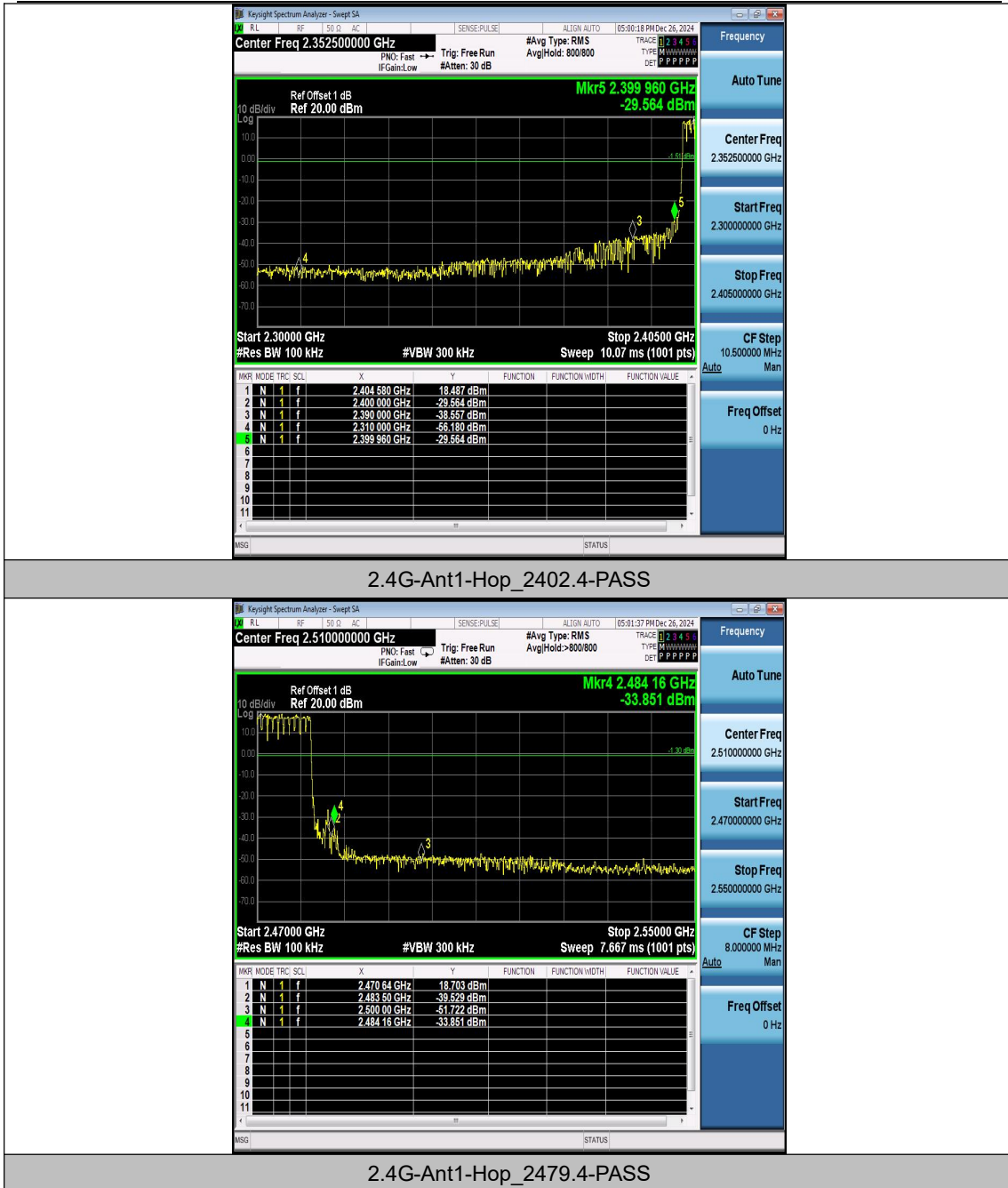
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	18.43	-30.01	≤ -1.57	PASS
2.4G	Ant1	High	2479.4	19.42	-27.16	≤ -0.58	PASS
2.4G	Ant1	Low	Hop_2402.4	18.49	-29.56	≤ -1.51	PASS
2.4G	Ant1	High	Hop_2479.4	18.70	-33.85	≤ -1.3	PASS



Test Graphs





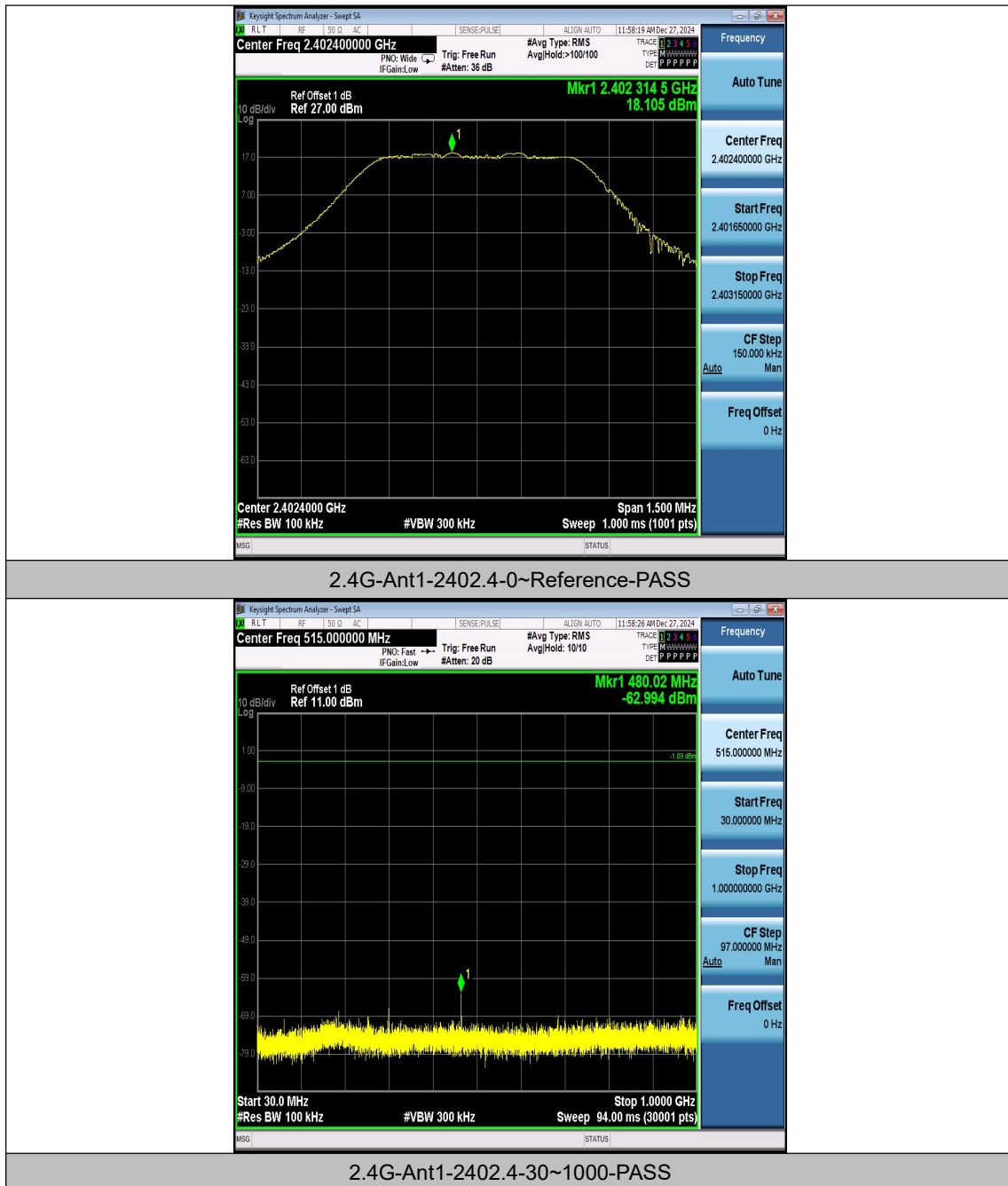
Appendix G: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	18.11	18.11	---	PASS
2.4G	Ant1	2402.4	30~1000	18.11	-62.99	≤-1.89	PASS
2.4G	Ant1	2402.4	1000~26500	18.11	-18.7	≤-1.89	PASS
2.4G	Ant1	2441.4	0~Reference	19.19	19.19	---	PASS
2.4G	Ant1	2441.4	30~1000	19.19	-60.9	≤-0.81	PASS
2.4G	Ant1	2441.4	1000~26500	19.19	-12.19	≤-0.81	PASS
2.4G	Ant1	2479.4	0~Reference	19.39	19.39	---	PASS
2.4G	Ant1	2479.4	30~1000	19.39	-61.86	≤-0.61	PASS
2.4G	Ant1	2479.4	1000~26500	19.39	-15.57	≤-0.61	PASS



Test Graphs



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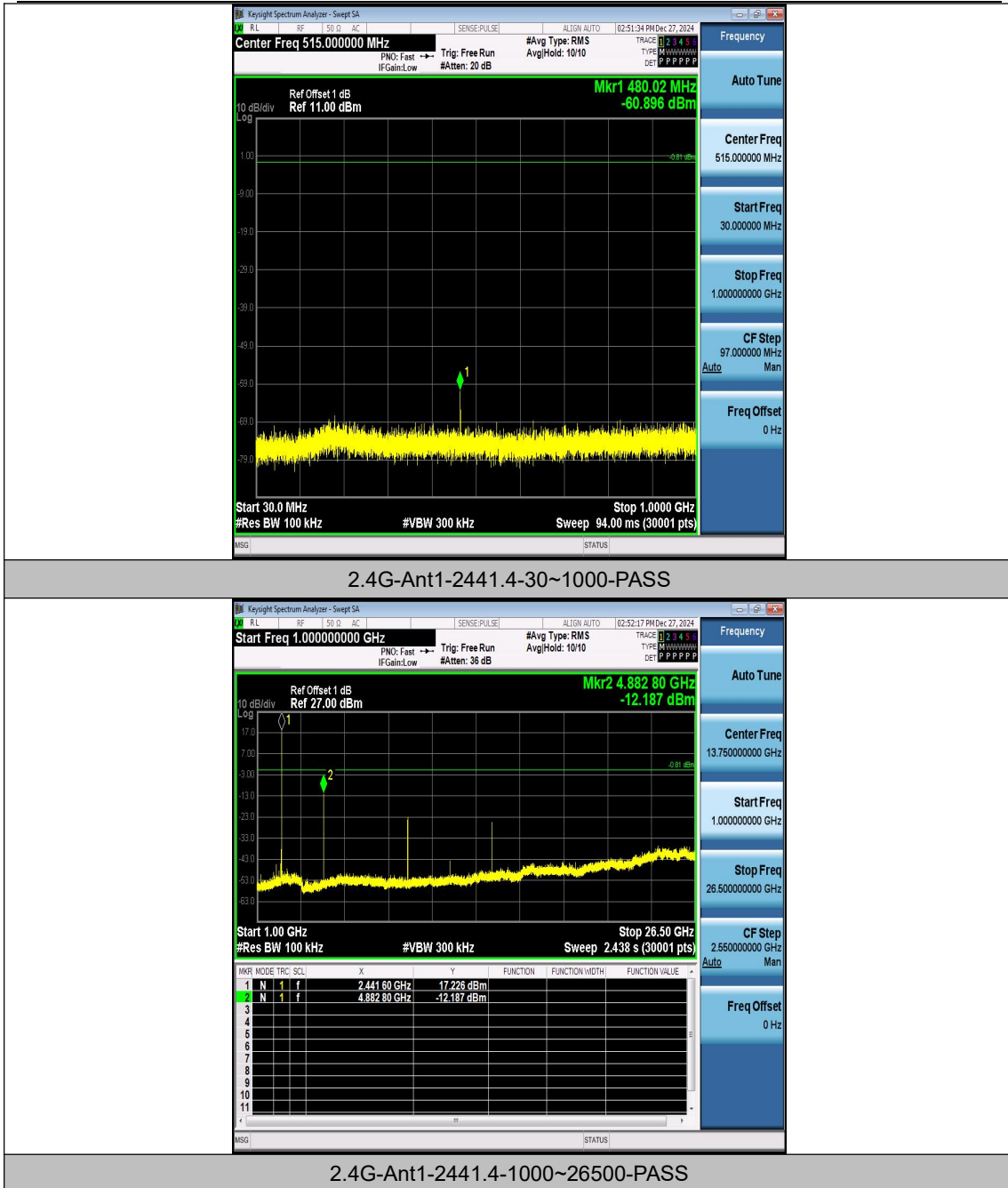
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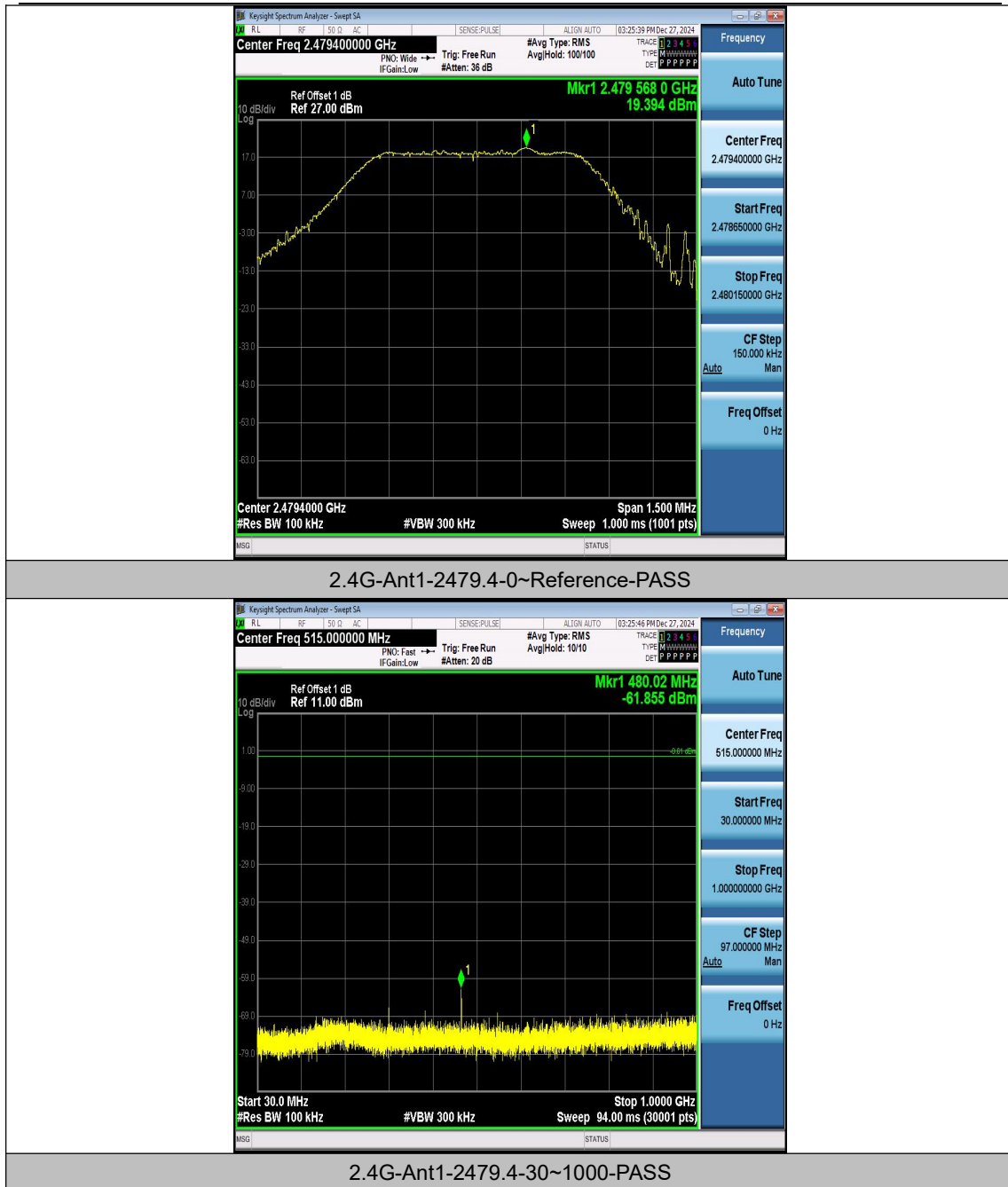


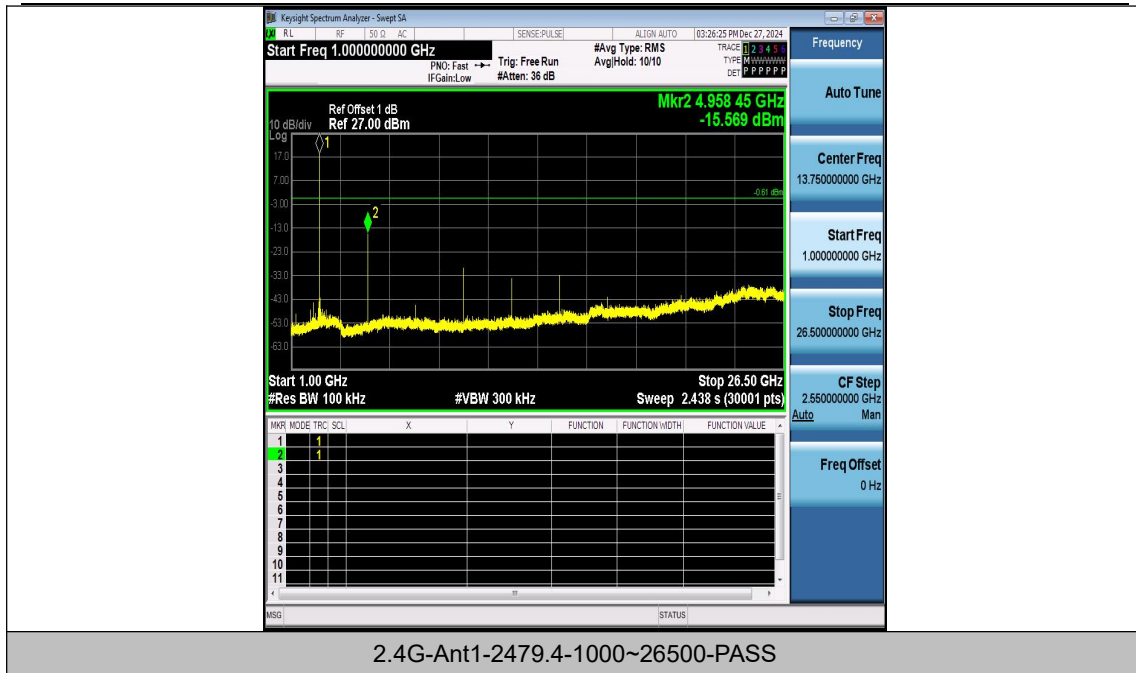
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Appendix H: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402.4	1.62	3.99	40.60	3.91
2.4G	Ant1	2441.4	1.64	4.02	40.80	3.89
2.4G	Ant1	2479.4	1.63	4.01	40.65	3.91

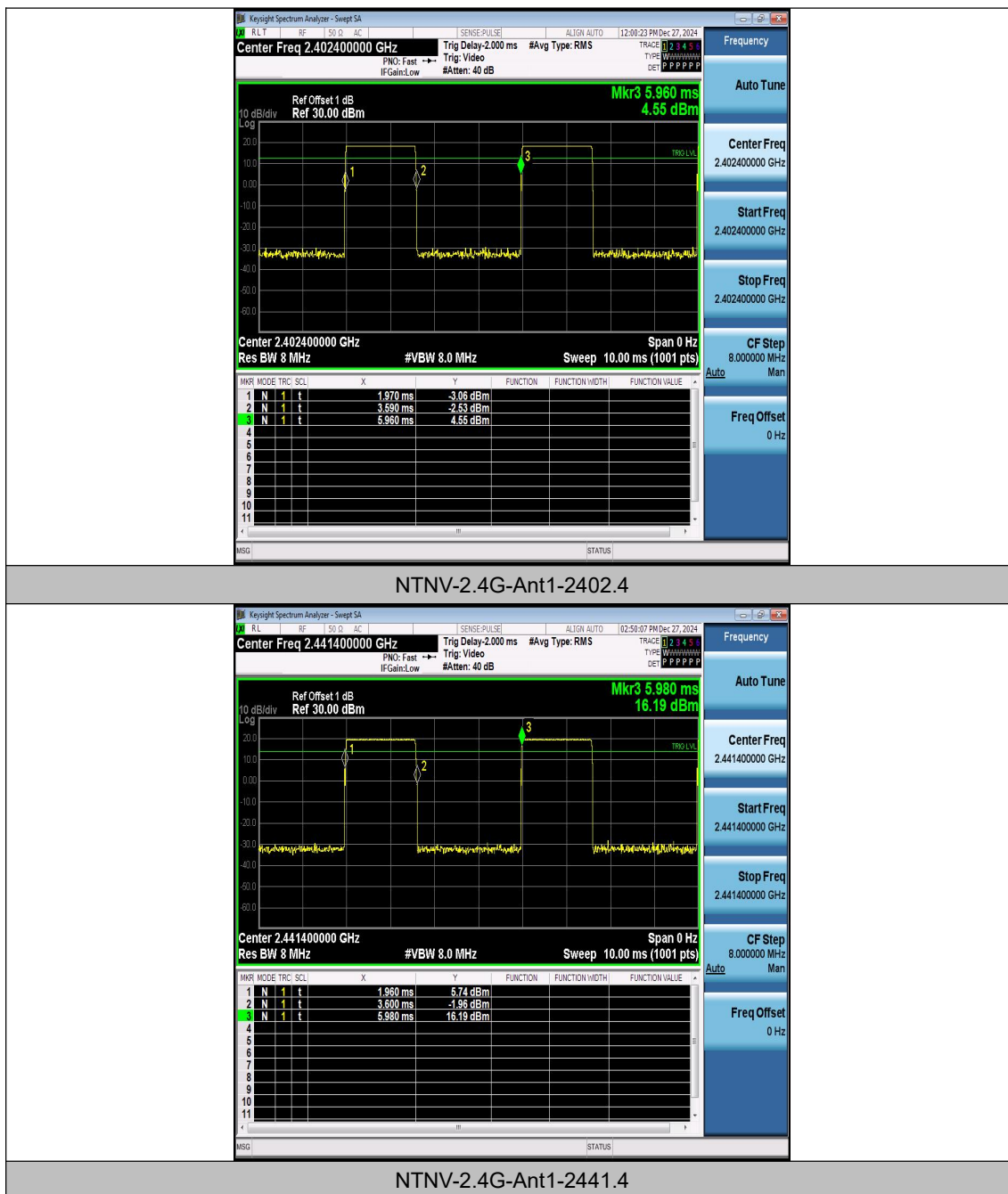
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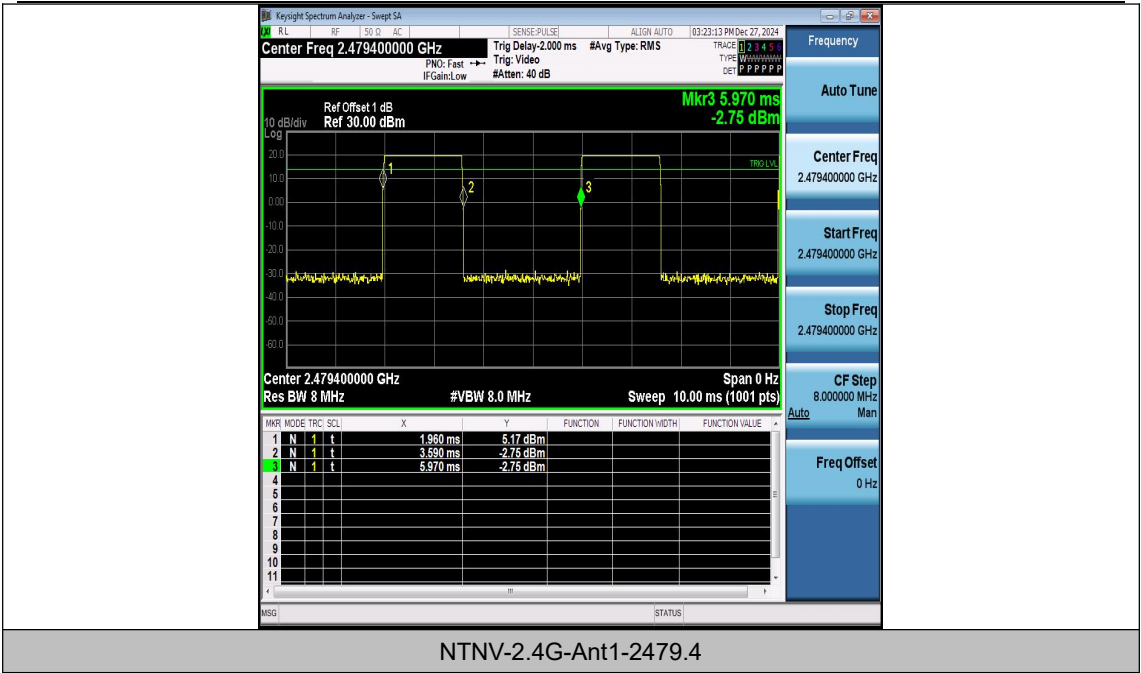
ON Time[ms]=Mkr2-Mkr1

Period[ms]=ON Time+Mkr3-Mkr2



Test Graphs





---End---

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