

Appendix Test Data

Report No.:	1812C50583612502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-6
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	51%
Pressure:	101kPa		

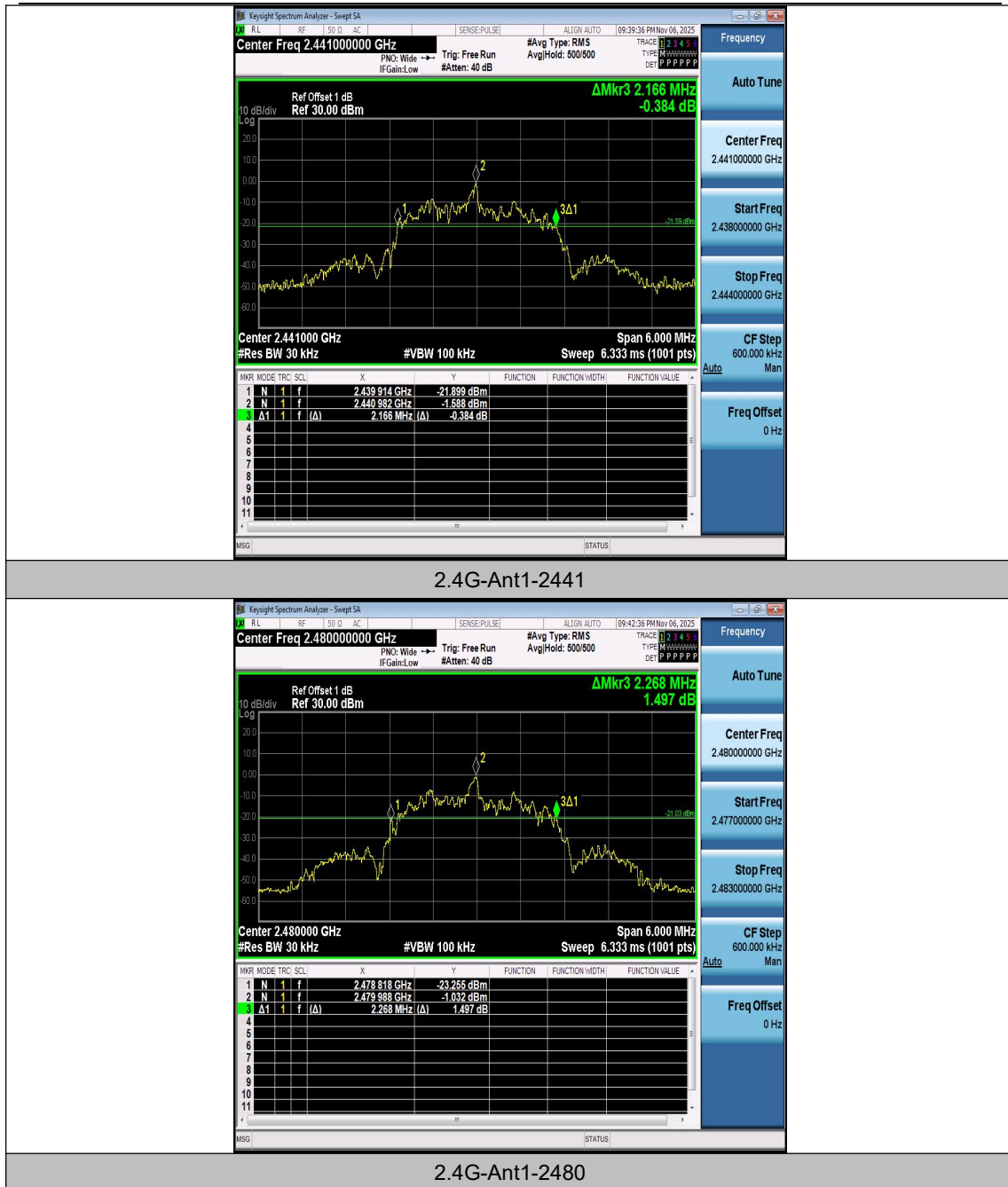
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.160	2401.914	2404.074	---	---
2.4G	Ant1	2441	2.166	2439.914	2442.080	---	---
2.4G	Ant1	2480	2.268	2478.818	2481.086	---	---

Test Graphs



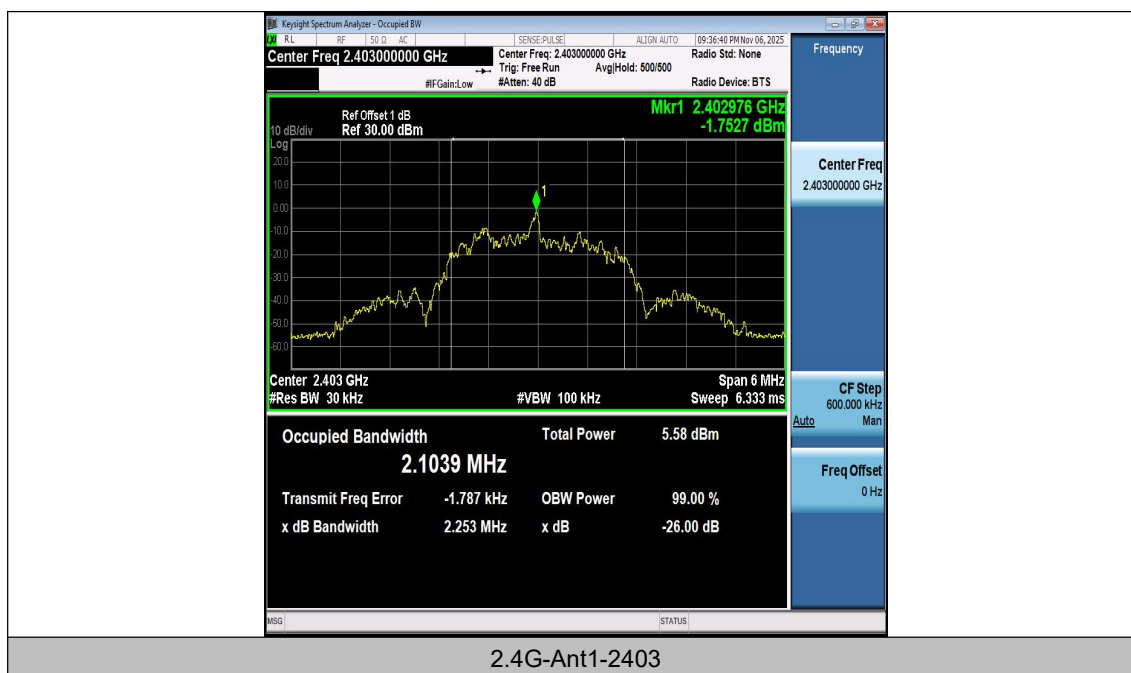


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.1039	2401.9463	2404.0502	---	---
2.4G	Ant1	2441	2.0960	2439.9444	2442.0404	---	---
2.4G	Ant1	2480	2.1282	2478.9361	2481.0643	---	---

Test Graphs





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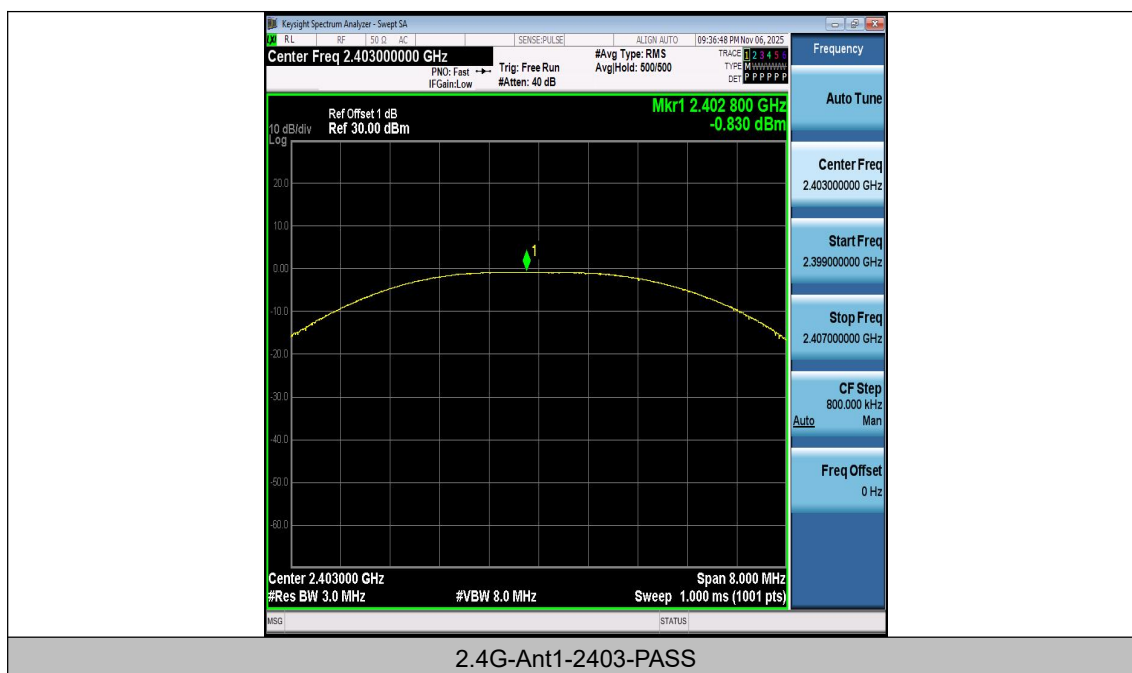
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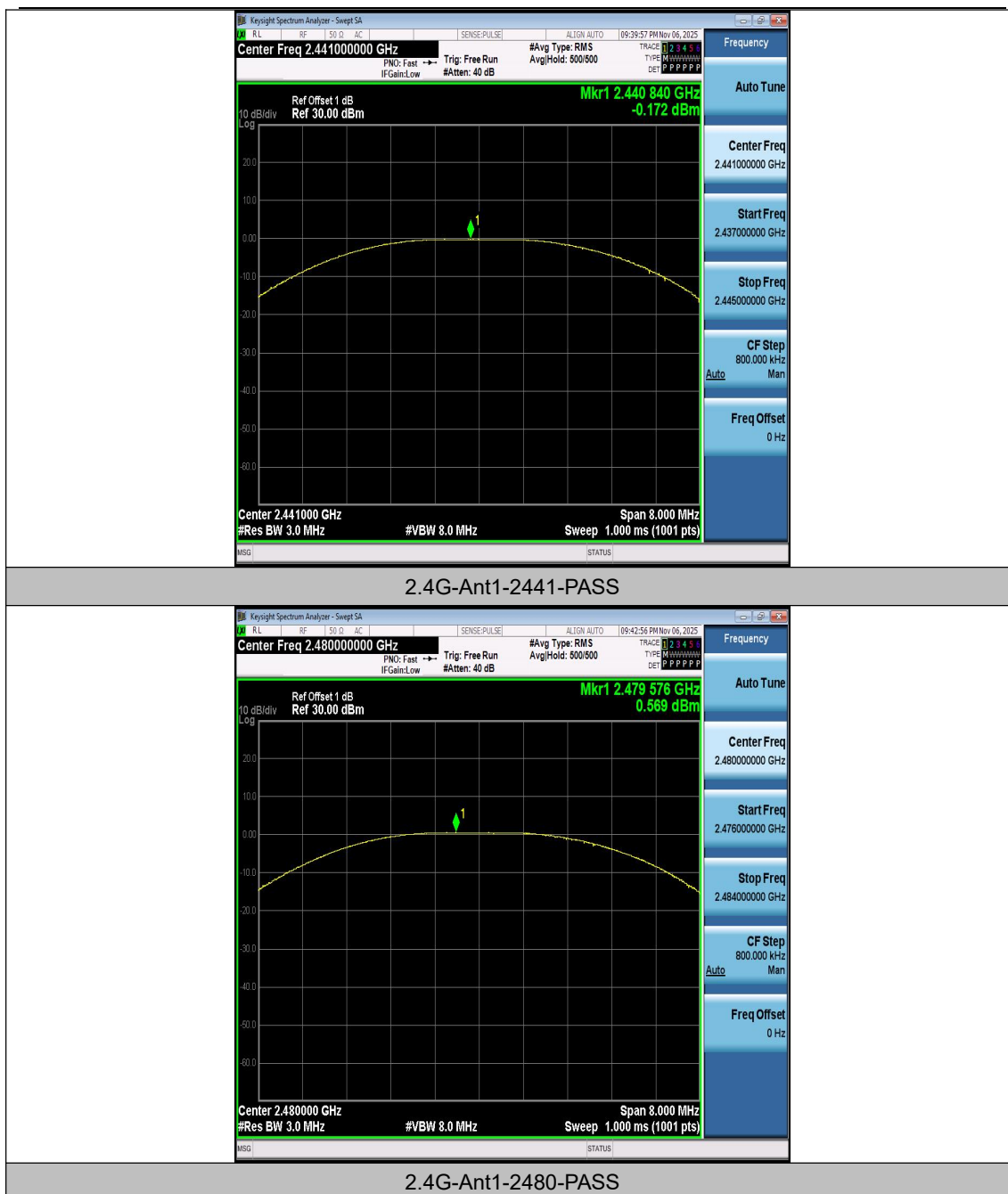
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	-0.83	≤30	PASS
2.4G	Ant1	2441	-0.17	≤30	PASS
2.4G	Ant1	2480	0.57	≤30	PASS

Test Graphs





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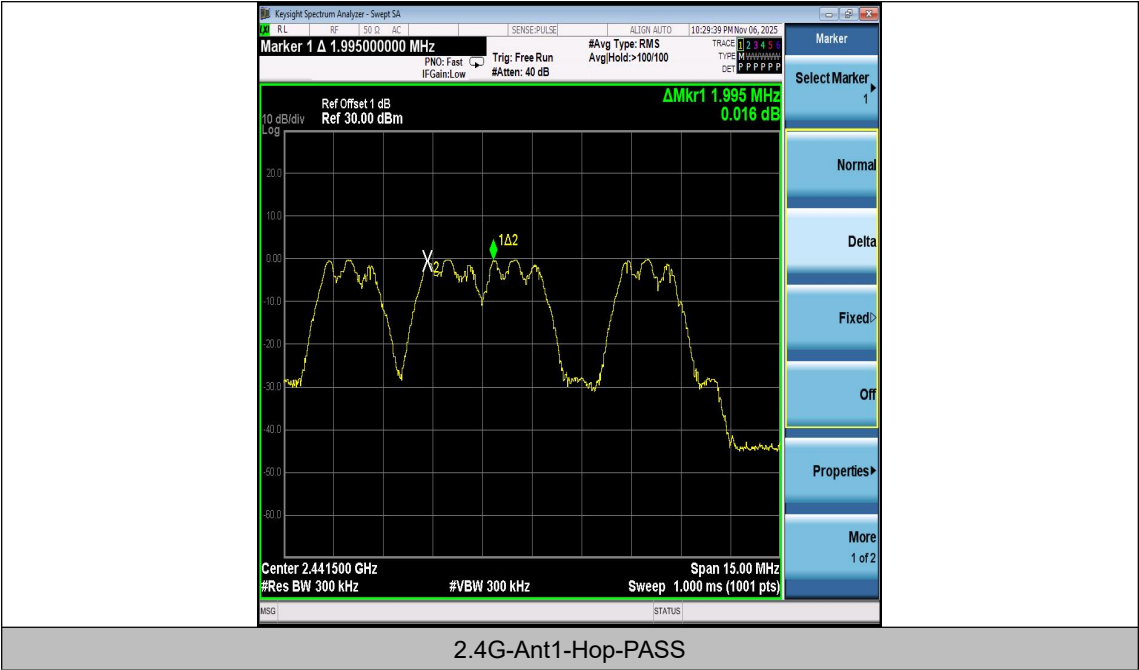
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.995	>1.512	PASS

Test Graphs

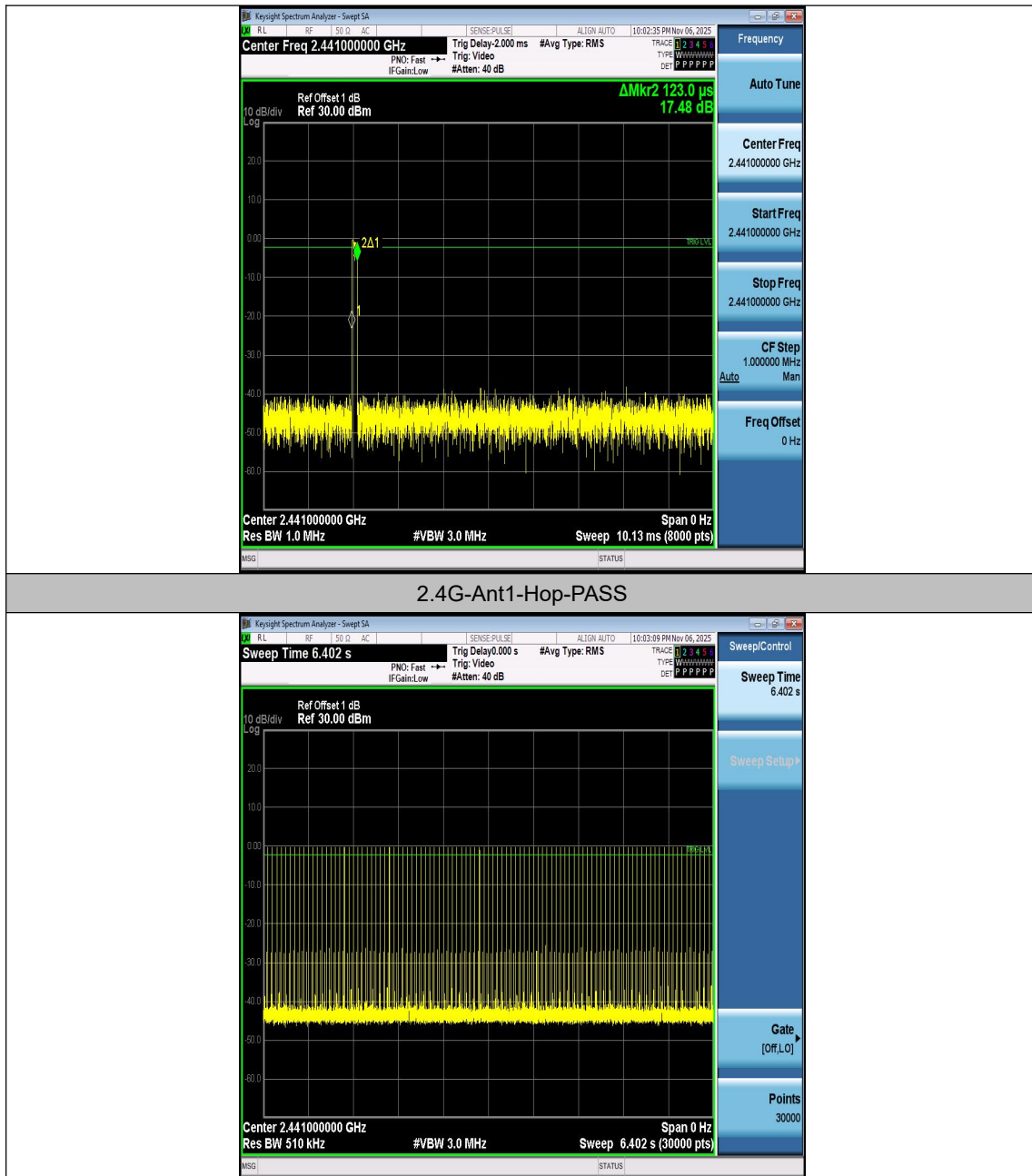


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.123	0	0	≤0.4	PASS

Test Graphs



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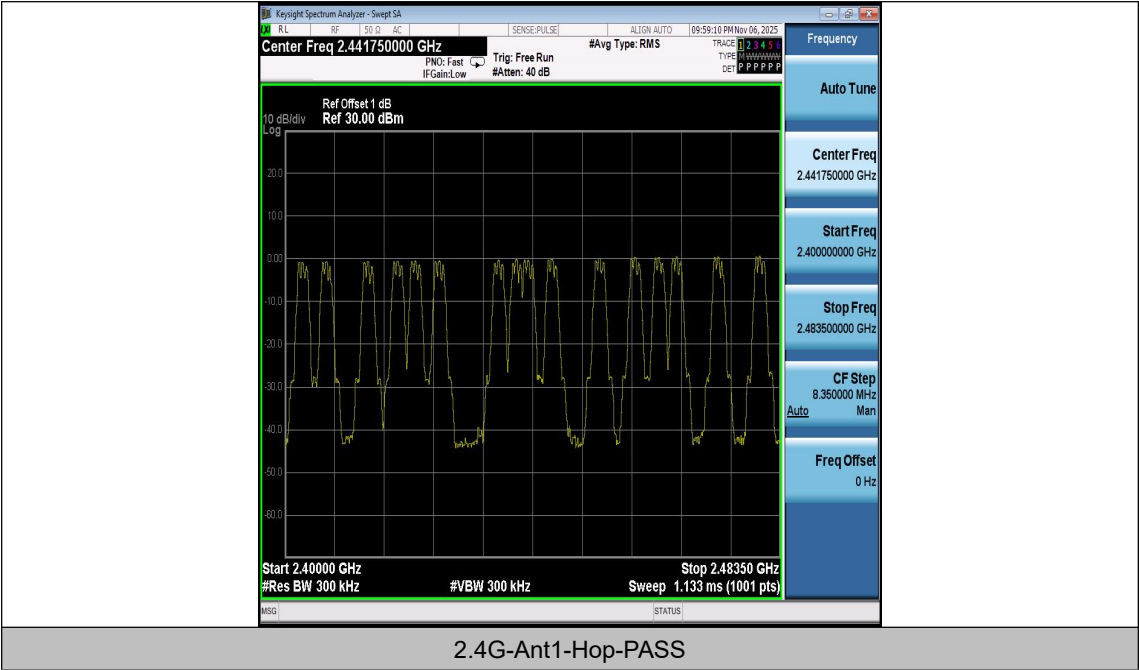
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



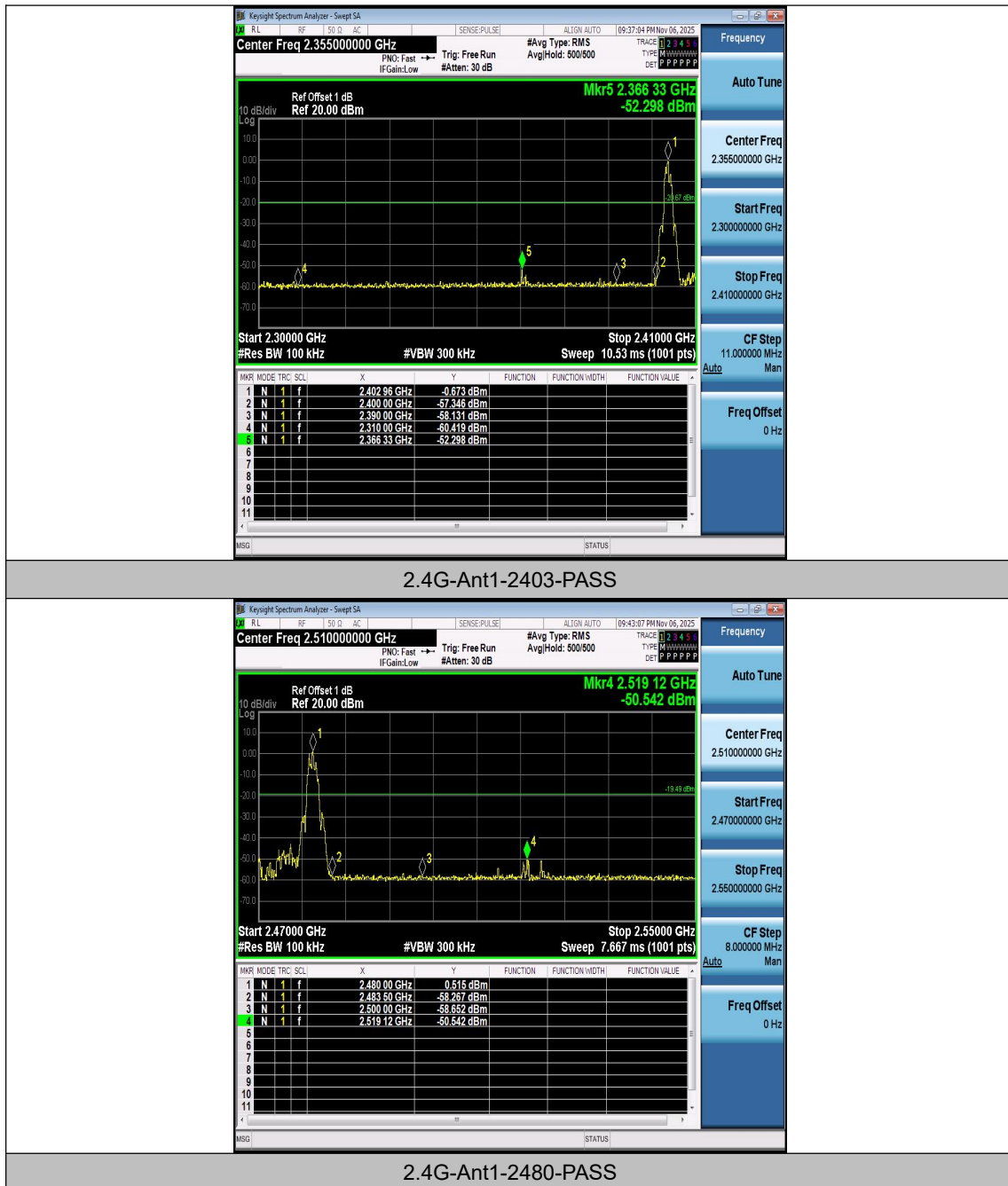
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-0.67	-52.3	≤-20.67	PASS
2.4G	Ant1	High	2480	0.52	-50.54	≤-19.49	PASS
2.4G	Ant1	Low	Hop	-0.59	-49.98	≤-20.59	PASS
2.4G	Ant1	High	Hop	0.61	-49.62	≤-19.4	PASS

Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

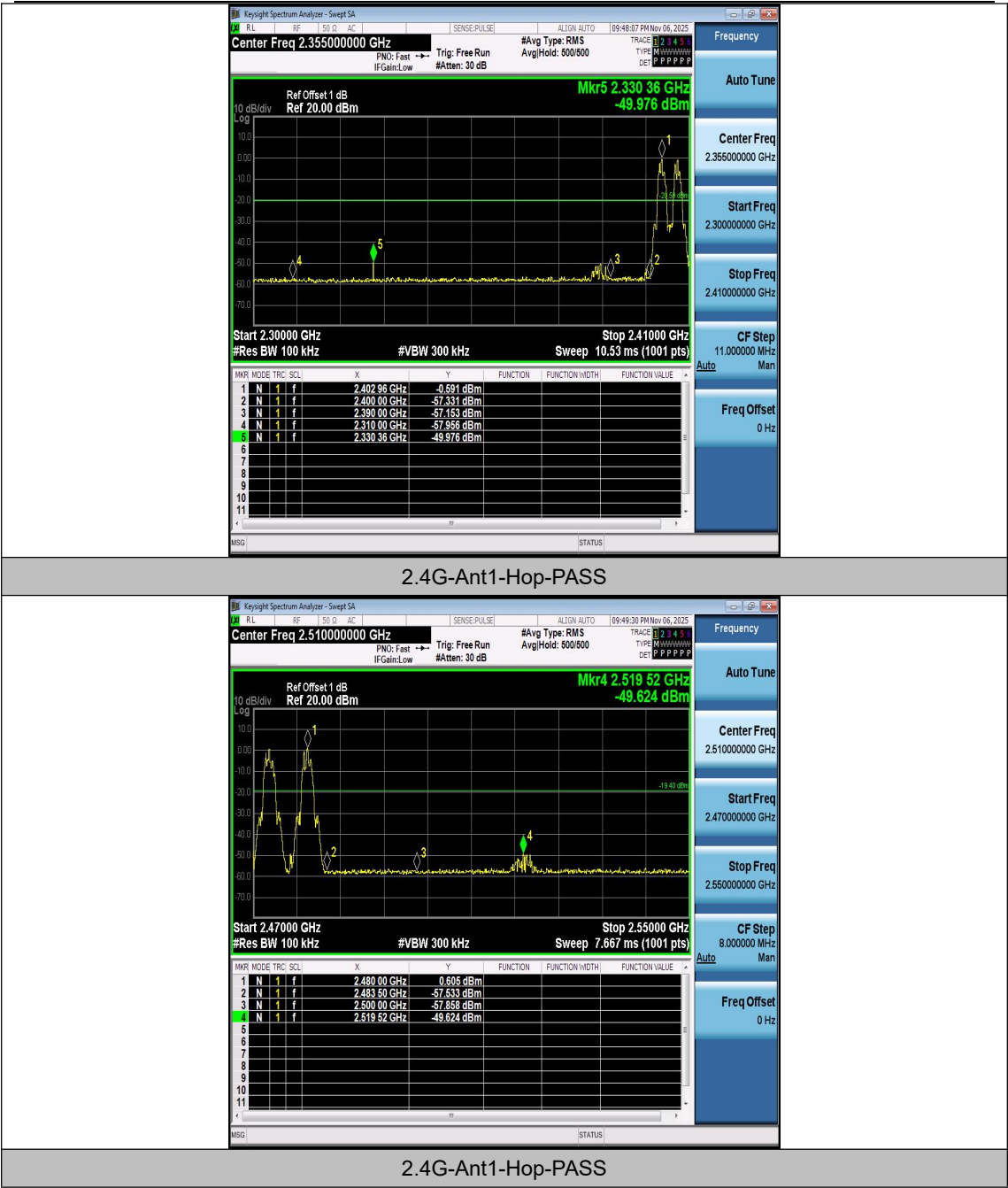
Test Graphs



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Appendix H: Conducted Spurious Emission

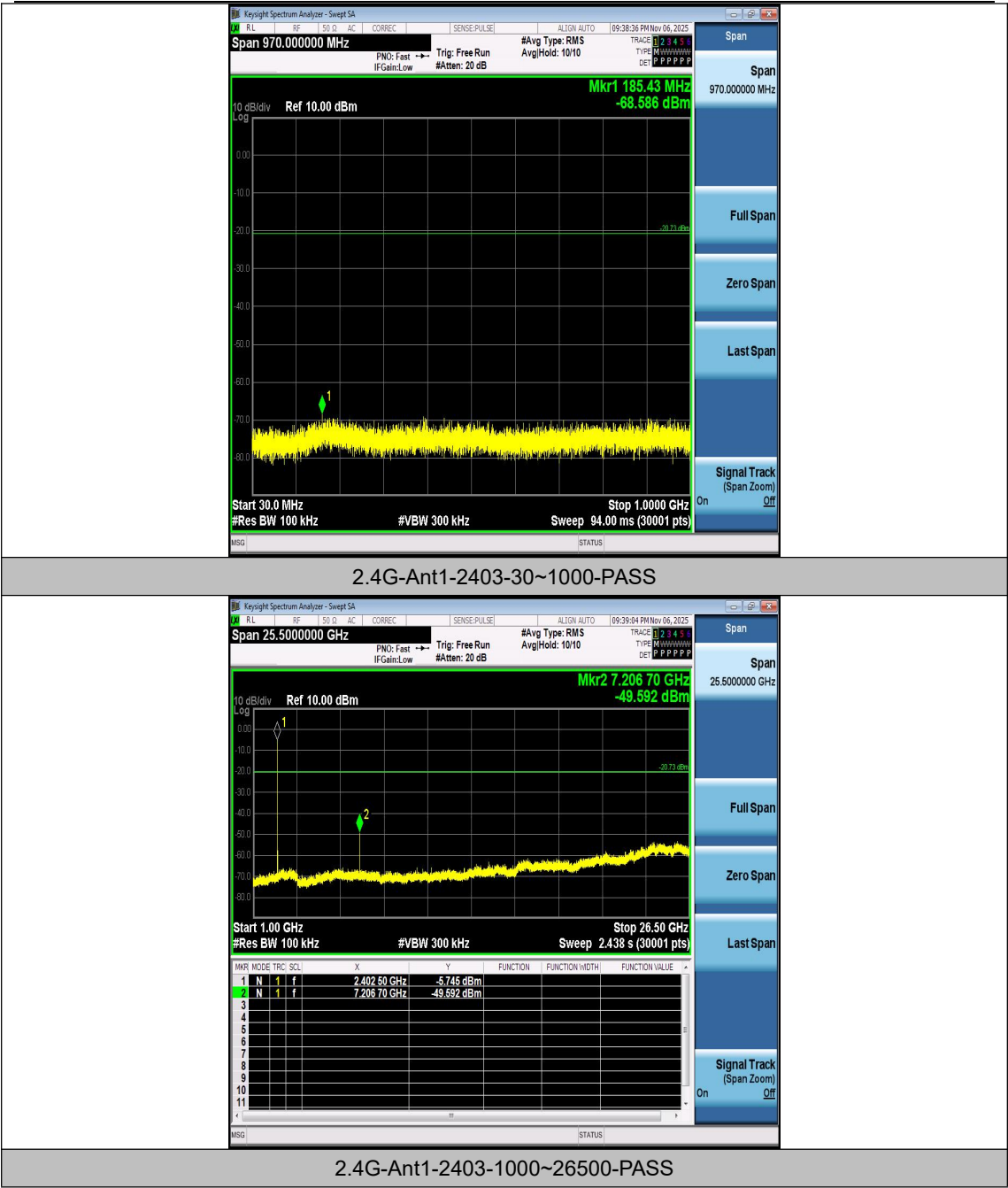
Test Result

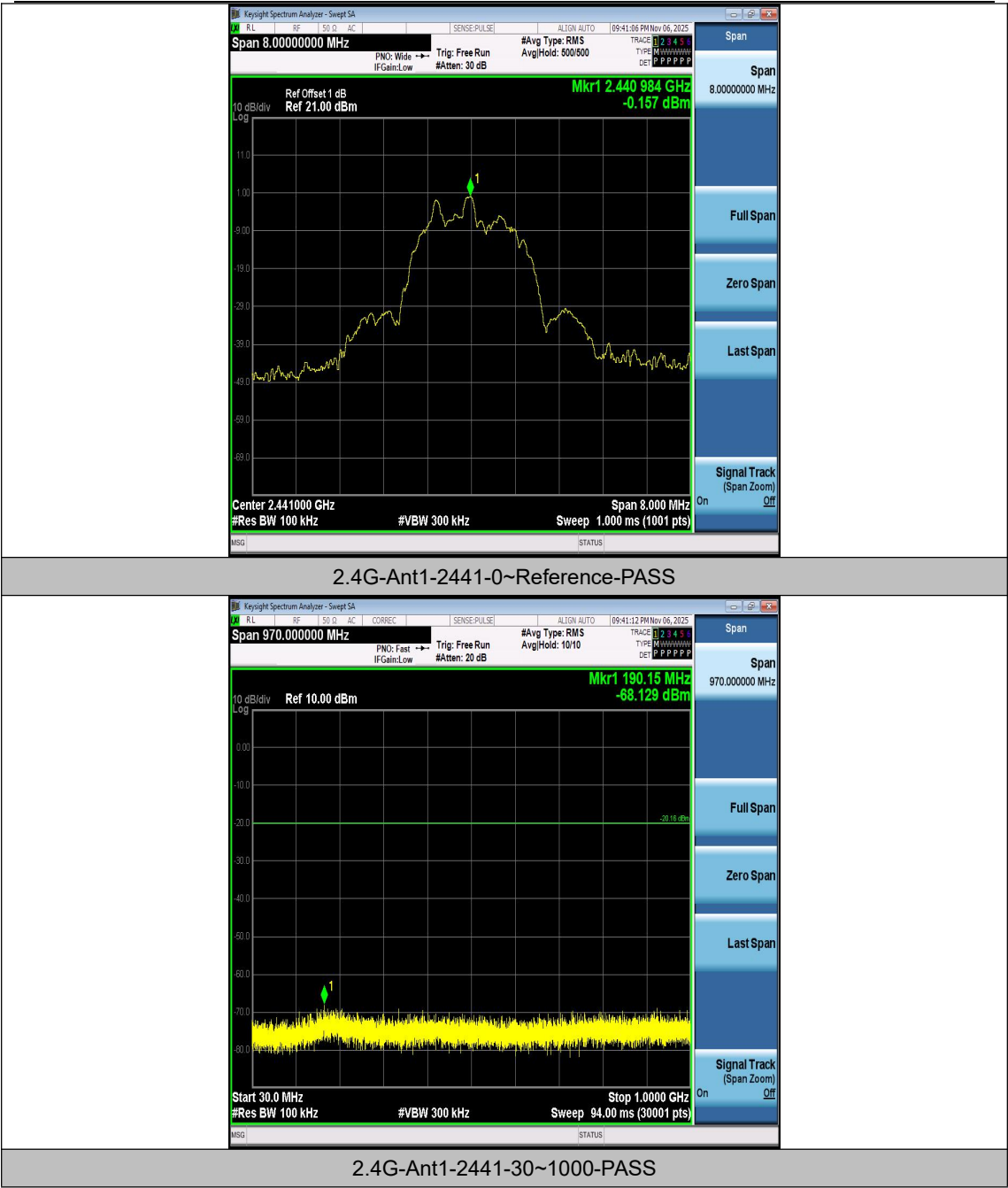
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	-0.73	-0.73	---	PASS
2.4G	Ant1	2403	30~1000	-0.73	-68.59	≤-20.73	PASS
2.4G	Ant1	2403	1000~26500	-0.73	-49.59	≤-20.73	PASS
2.4G	Ant1	2441	0~Reference	-0.16	-0.16	---	PASS
2.4G	Ant1	2441	30~1000	-0.16	-68.13	≤-20.16	PASS
2.4G	Ant1	2441	1000~26500	-0.16	-47.34	≤-20.16	PASS
2.4G	Ant1	2480	0~Reference	0.55	0.55	---	PASS
2.4G	Ant1	2480	30~1000	0.55	-68.53	≤-19.45	PASS
2.4G	Ant1	2480	1000~26500	0.55	-49.16	≤-19.45	PASS

Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs







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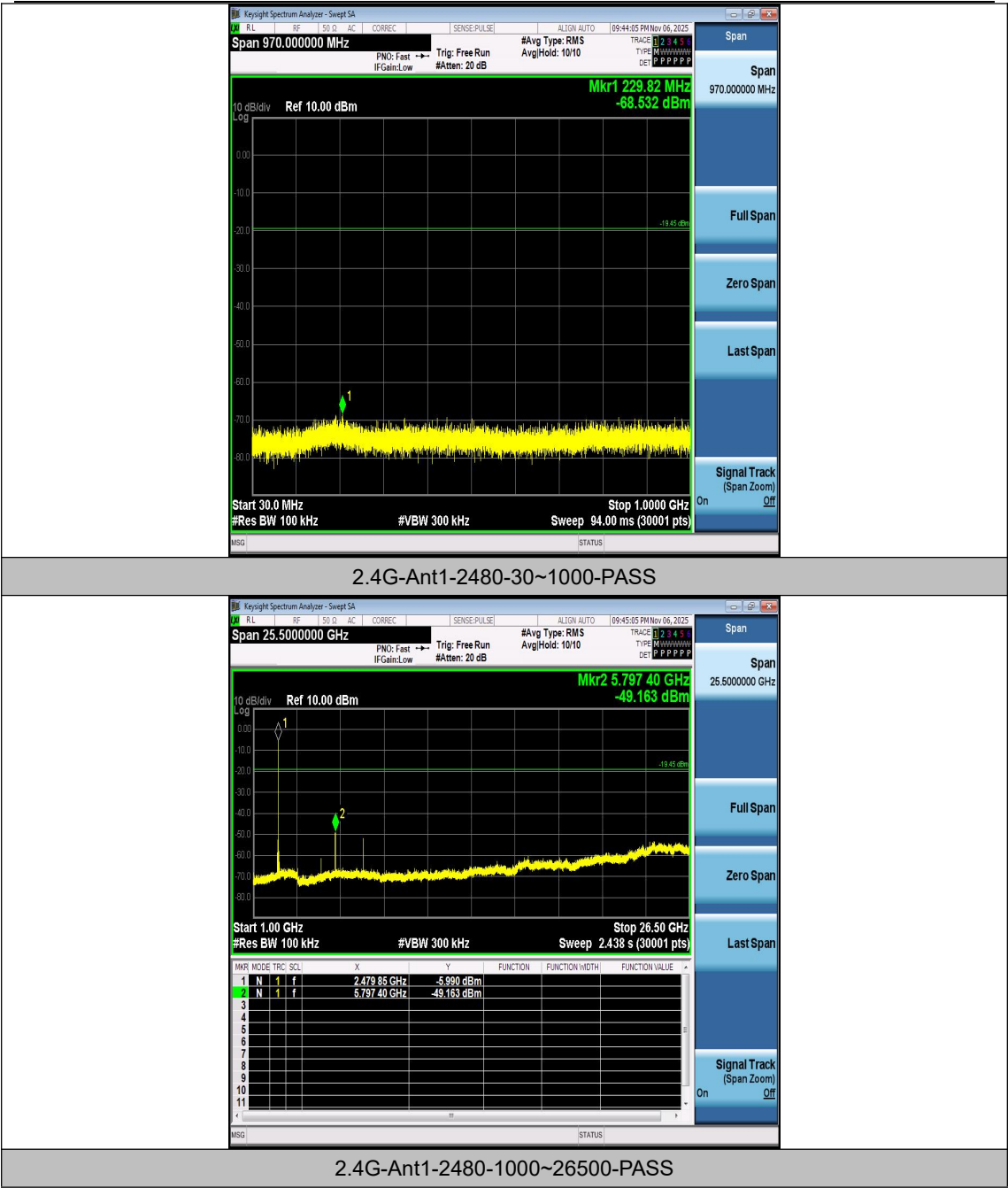
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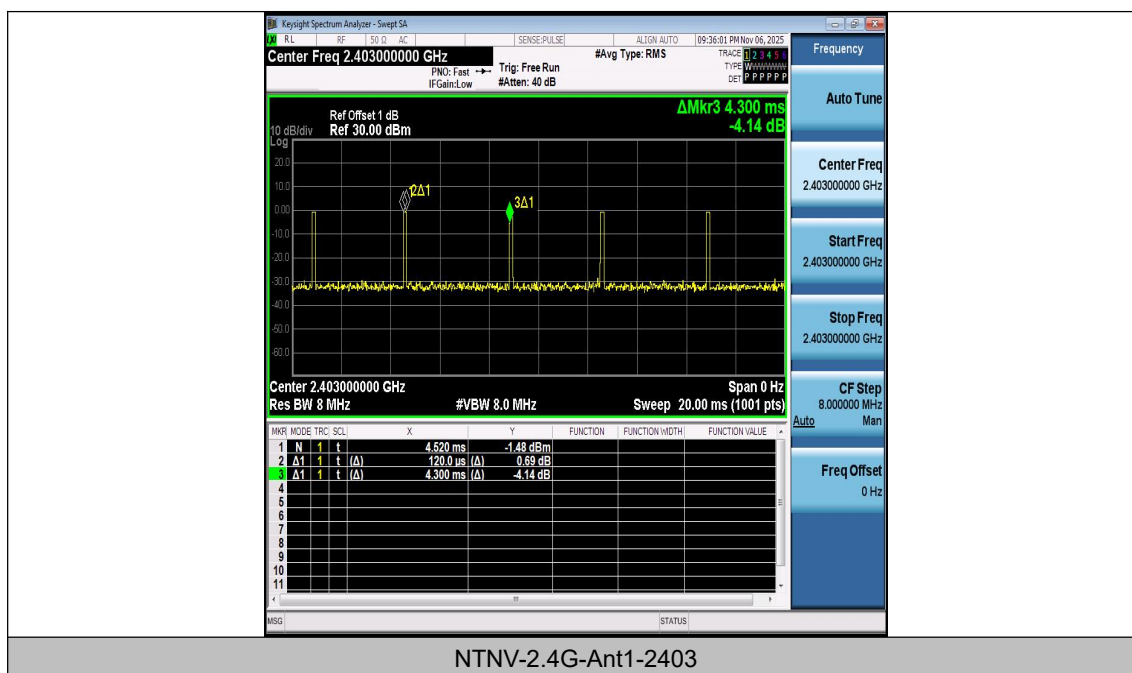


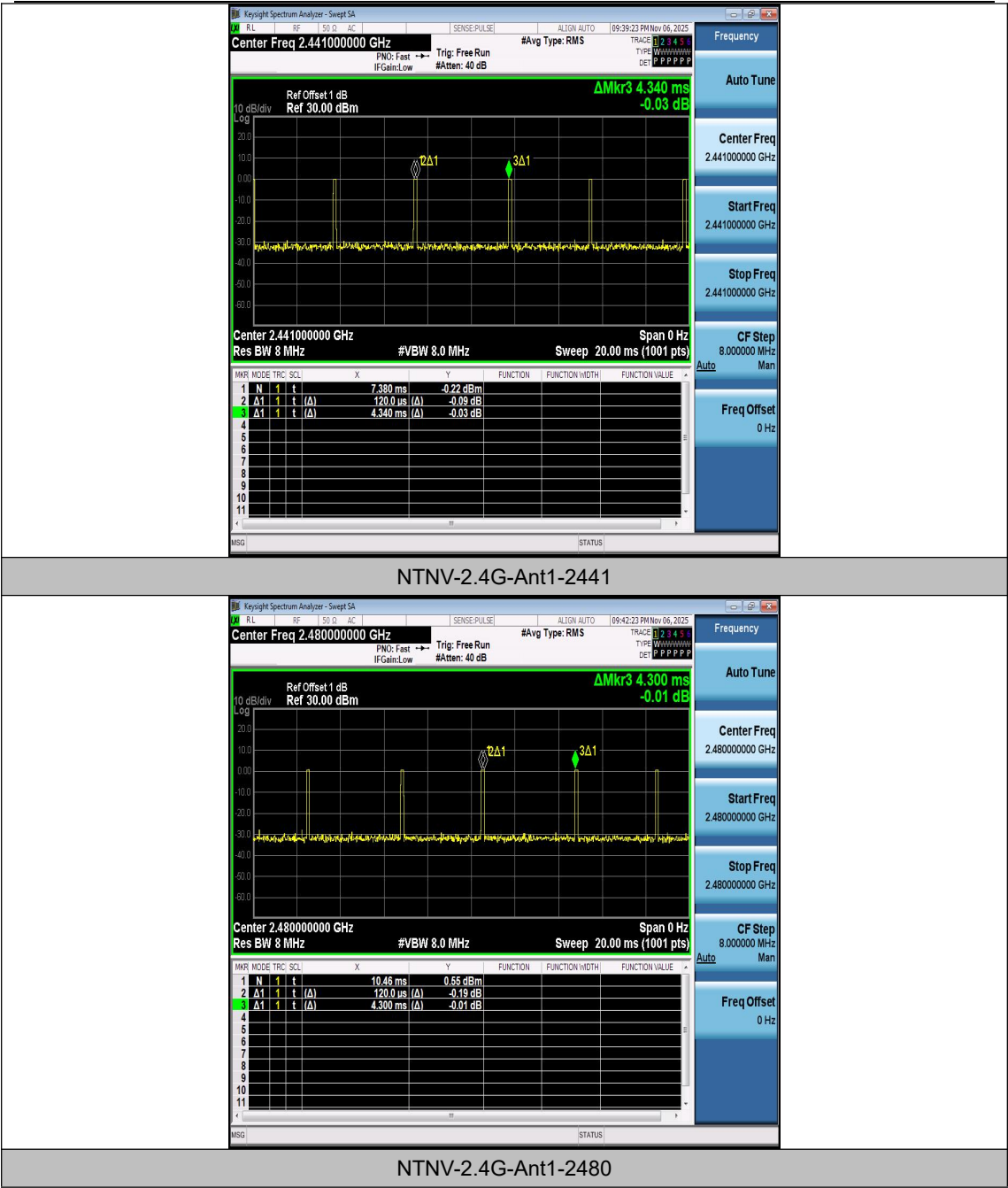
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.30	2.79	15.54
2.4G	Ant1	2441	0.12	4.34	2.76	15.59
2.4G	Ant1	2480	0.12	4.30	2.79	15.54

Test Graphs





---End---