

Appendix Test Data

Report No.:	1812C50556212501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-22	Finish Test Date:	2025-10-29
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	50%
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	0.936	2401.547	2402.483	---	---
2.4G	Ant1	2441	0.972	2440.538	2441.510	---	---
2.4G	Ant1	2480	1.041	2479.478	2480.519	---	---

Test Graphs



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2.4G-Ant1-2480

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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.90658	2401.5570	2402.4636	---	---
2.4G	Ant1	2441	0.91321	2440.5510	2441.4643	---	---
2.4G	Ant1	2480	0.94575	2479.5306	2480.4764	---	---

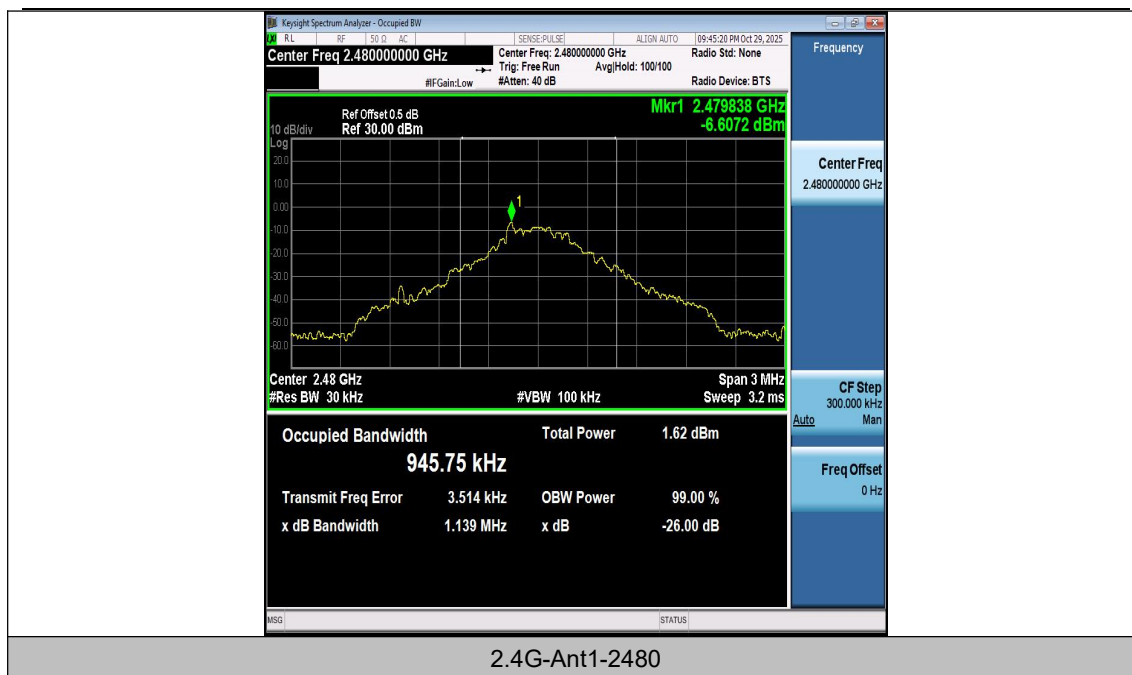
Test Graphs



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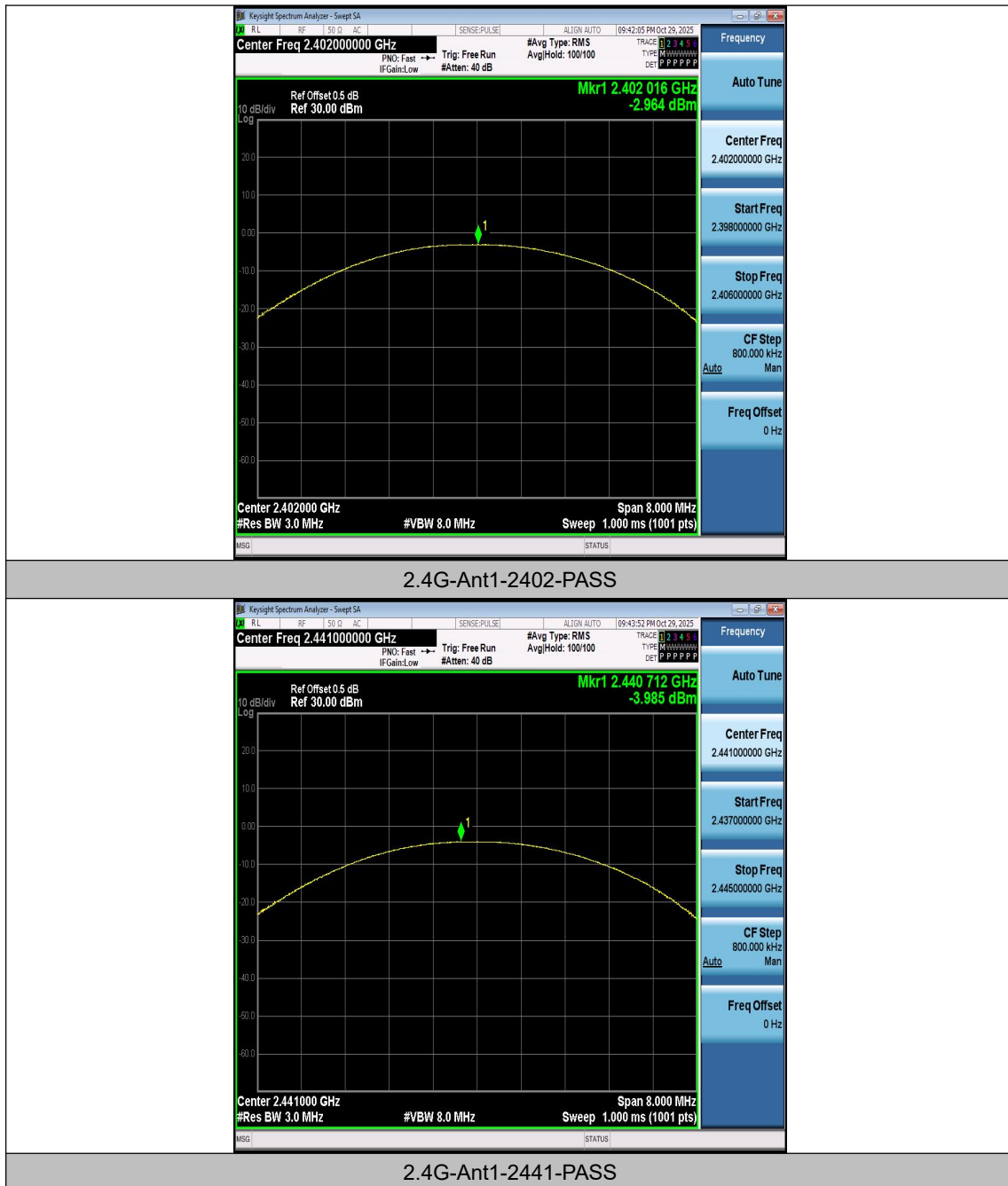
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-2.96	≤20.97	PASS
2.4G	Ant1	2441	-3.99	≤20.97	PASS
2.4G	Ant1	2480	-5.36	≤20.97	PASS

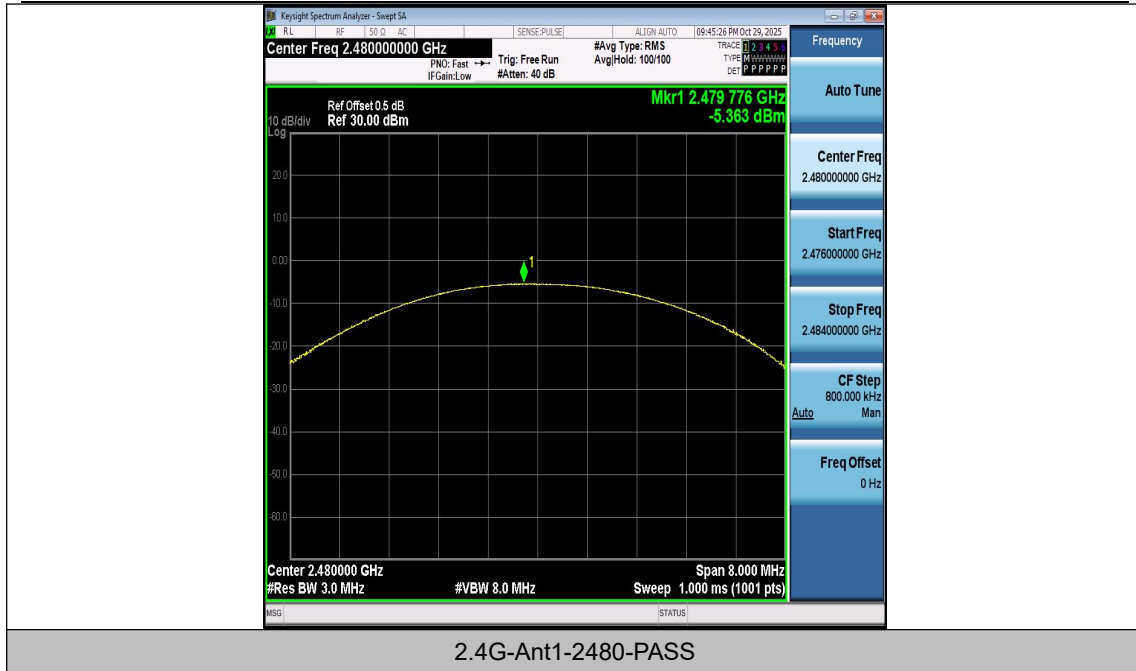
Test Graphs



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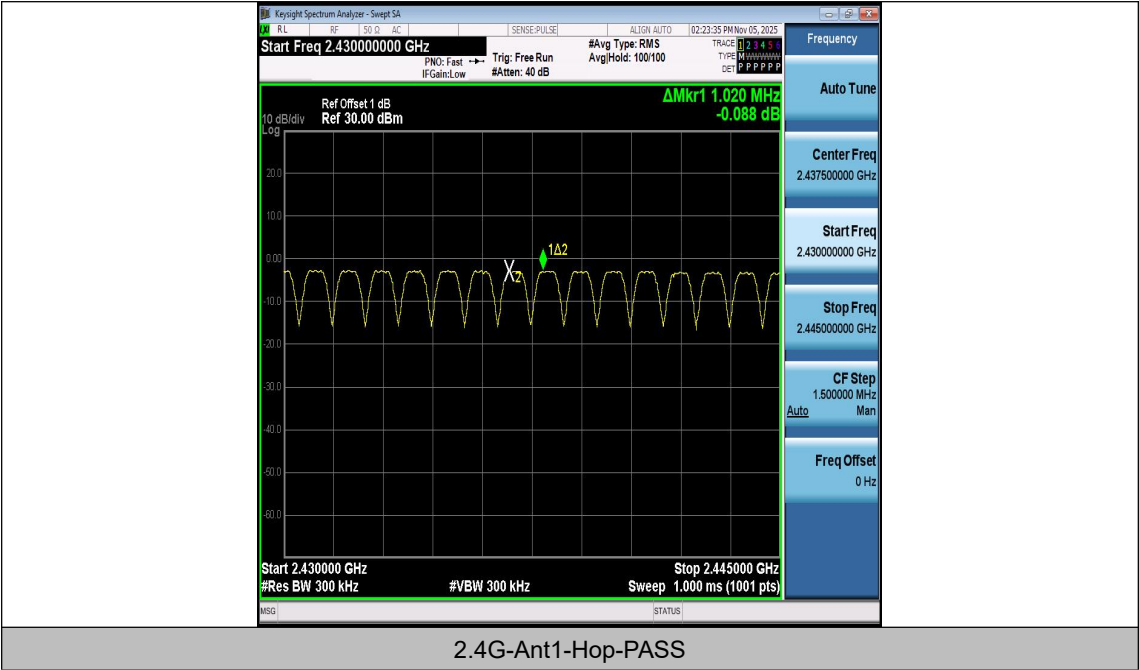
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	ANT1	Hop	1.020	>0.694	PASS

Test Graphs

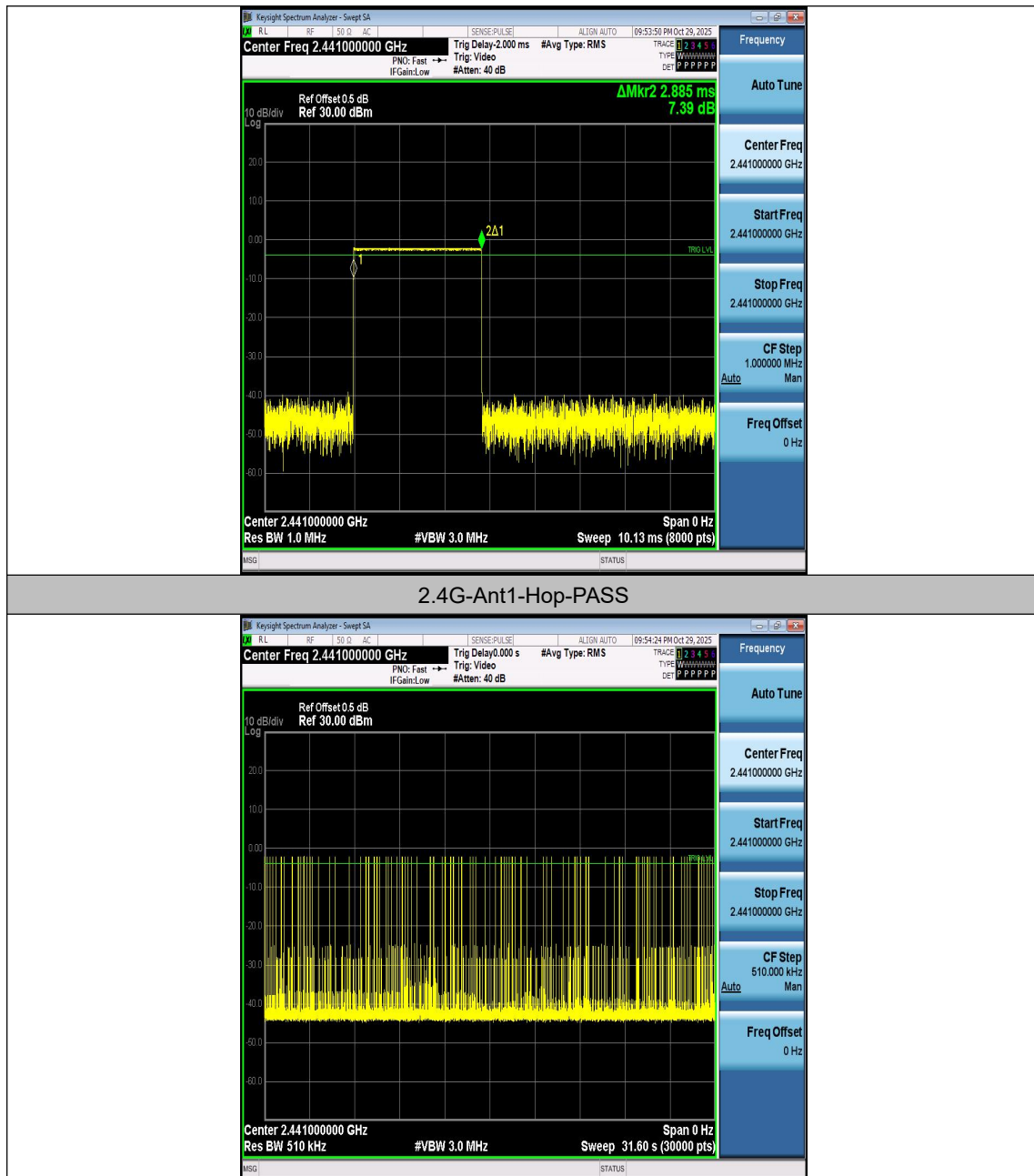


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	2.885	114	0.329	≤0.4	PASS

Test Graphs

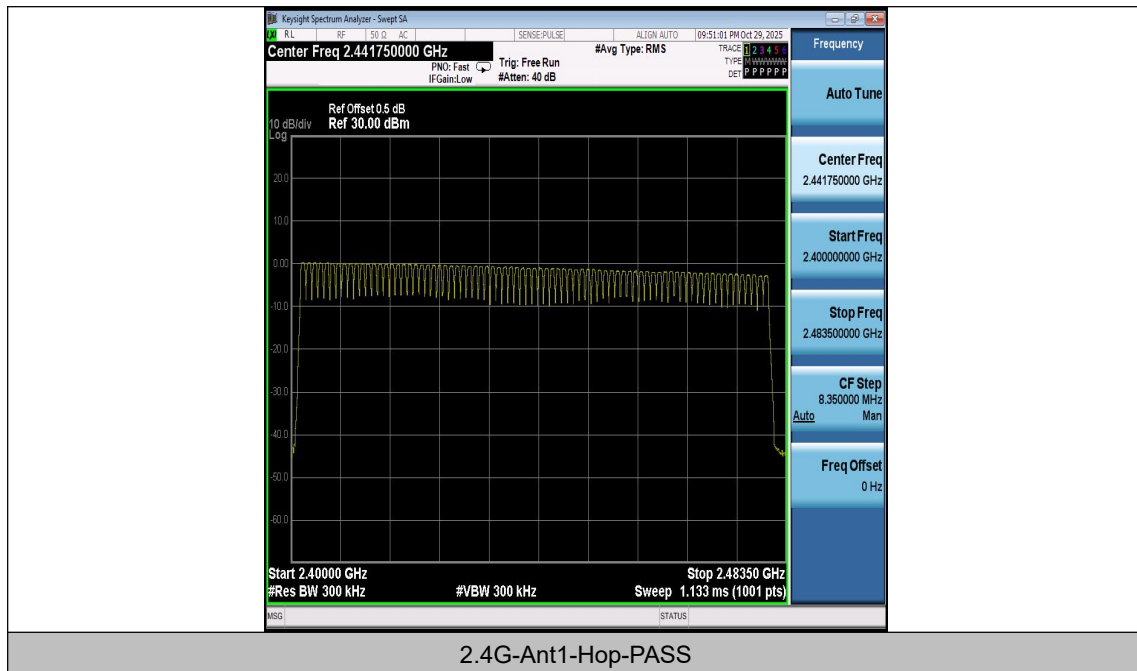


Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs



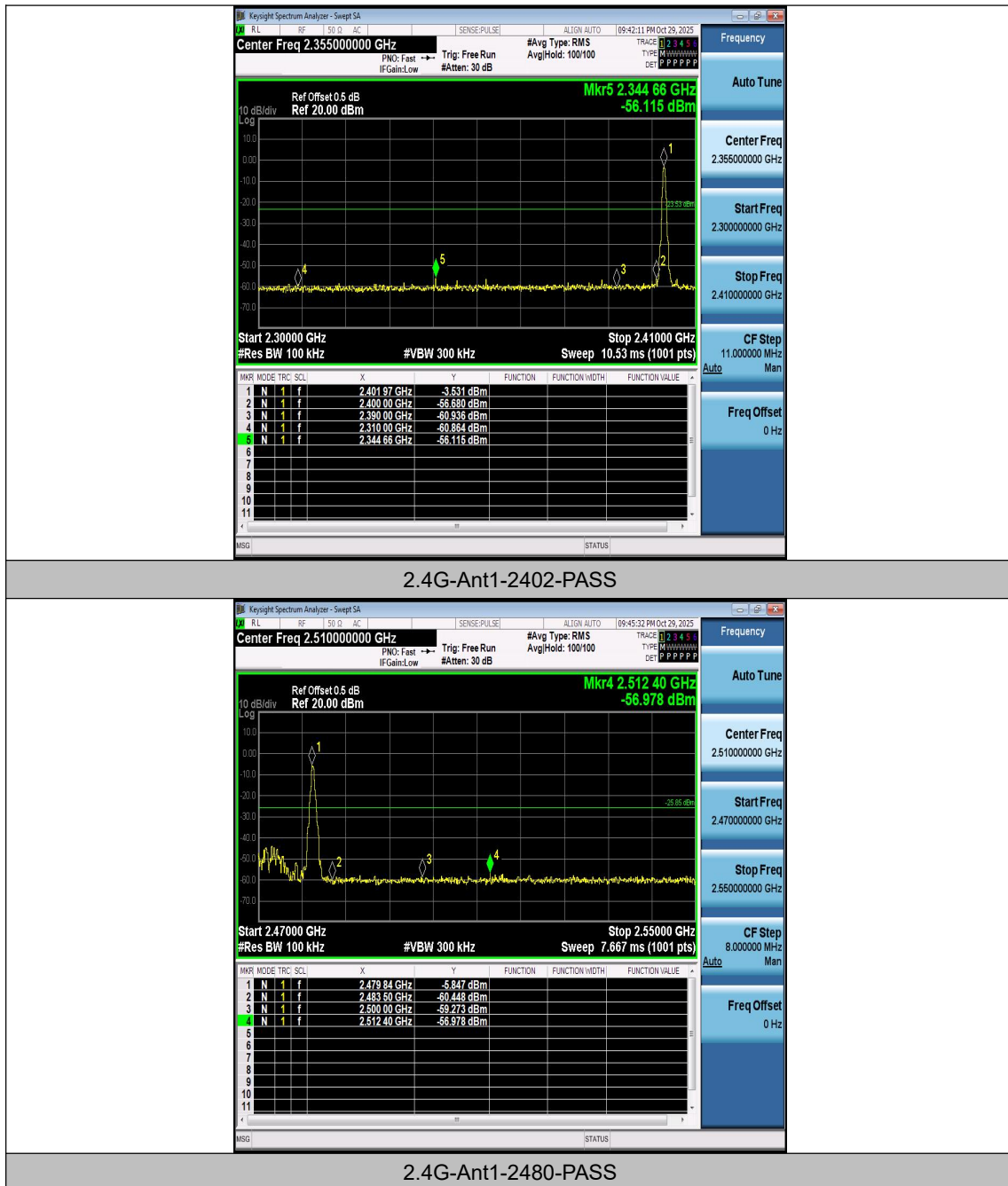
Appendix G: Conducted Band edge

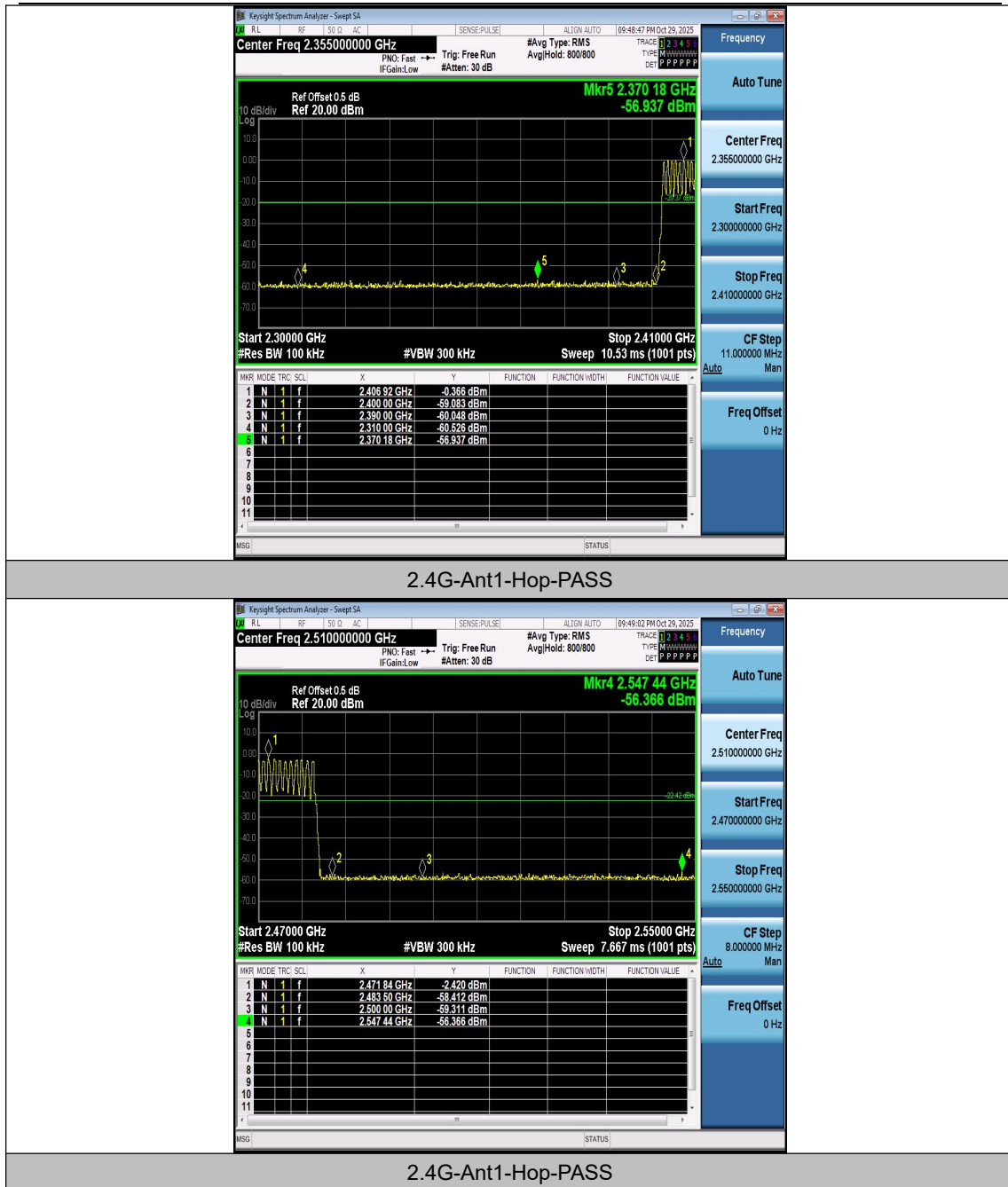
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-3.53	-56.12	≤ -23.53	PASS
2.4G	Ant1	High	2480	-5.85	-56.98	≤ -25.85	PASS
2.4G	Ant1	Low	Hop	-0.37	-56.94	≤ -20.37	PASS
2.4G	Ant1	High	Hop	-2.42	-56.37	≤ -22.42	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





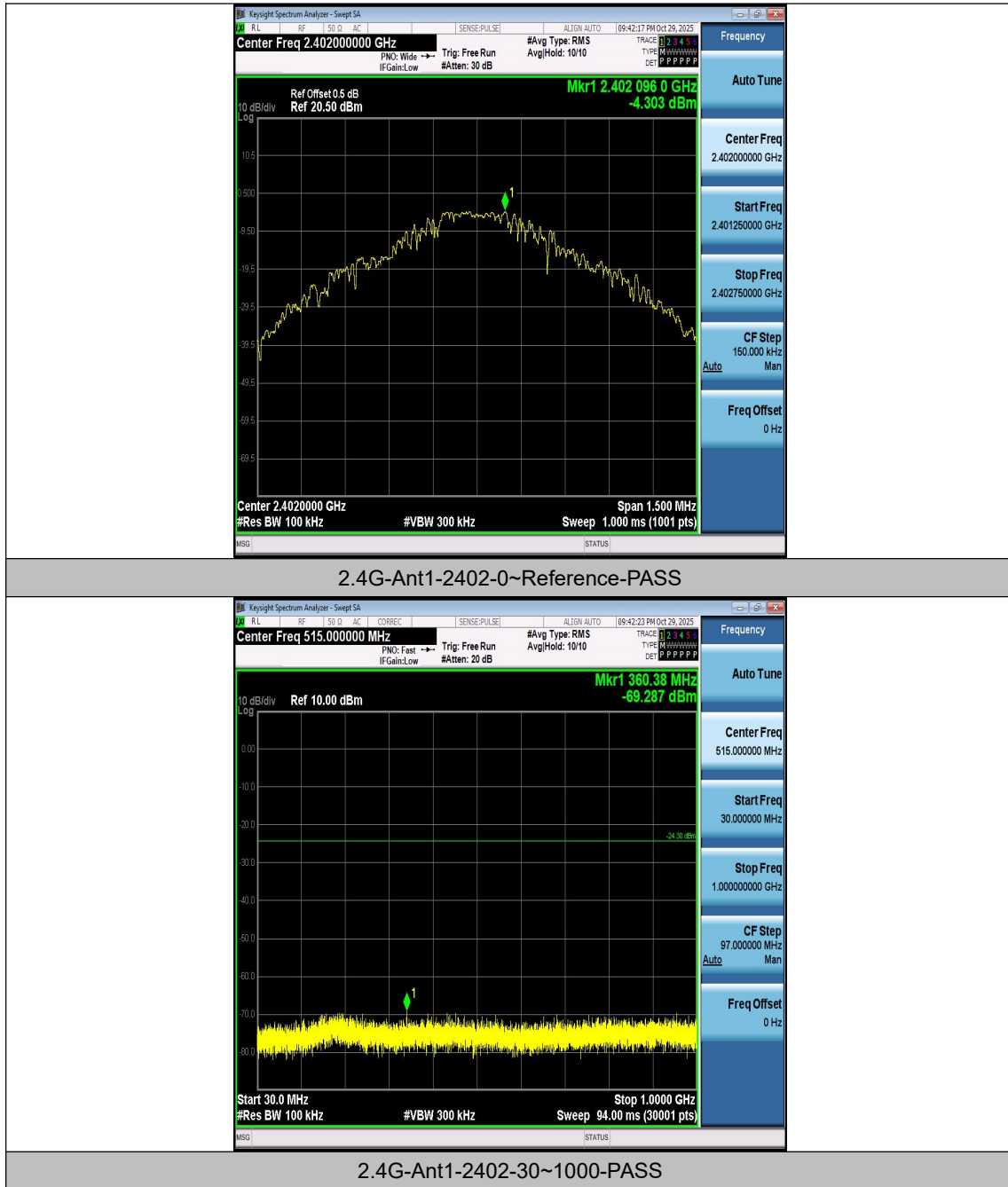
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-4.30	-4.30	---	PASS
2.4G	Ant1	2402	30~1000	-4.30	-69.29	≤-24.3	PASS
2.4G	Ant1	2402	1000~26500	-4.30	-54.21	≤-24.3	PASS
2.4G	Ant1	2441	0~Reference	-5.35	-5.35	---	PASS
2.4G	Ant1	2441	30~1000	-5.35	-68.66	≤-25.35	PASS
2.4G	Ant1	2441	1000~26500	-5.35	-54.49	≤-25.35	PASS
2.4G	Ant1	2480	0~Reference	-6.39	-6.39	---	PASS
2.4G	Ant1	2480	30~1000	-6.39	-68.94	≤-26.39	PASS
2.4G	Ant1	2480	1000~26500	-6.39	-49.22	≤-26.39	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.

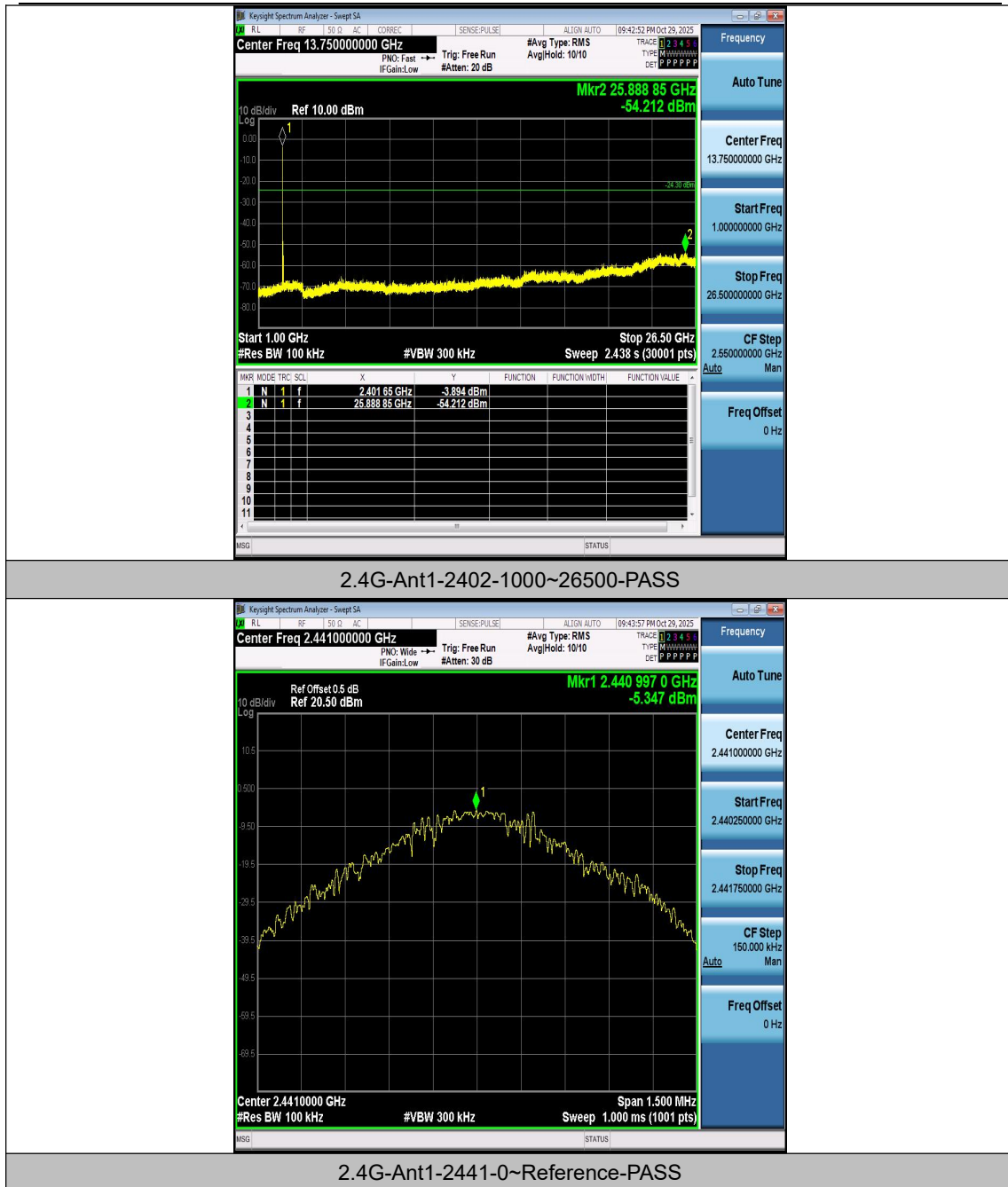
Test Graphs



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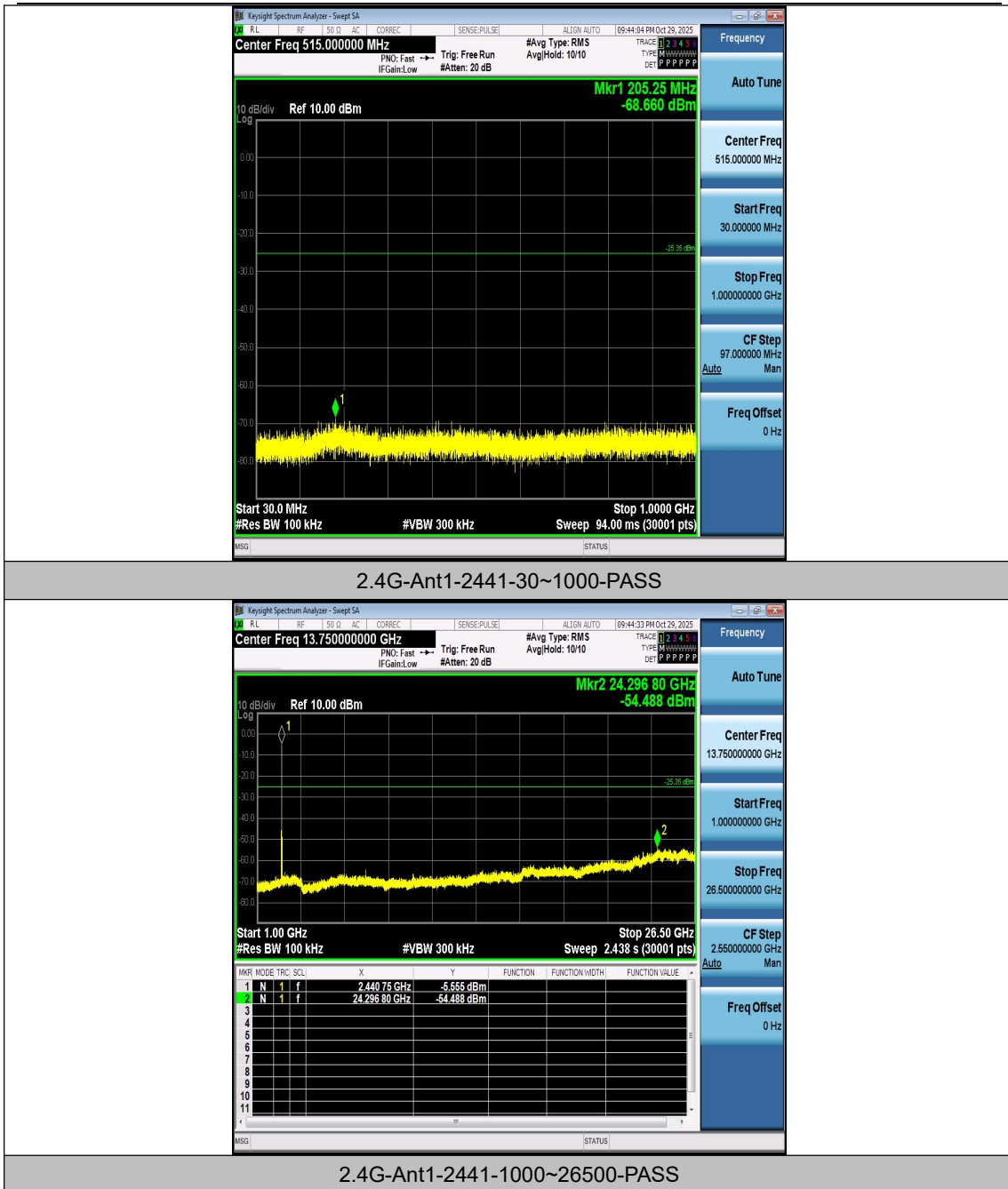
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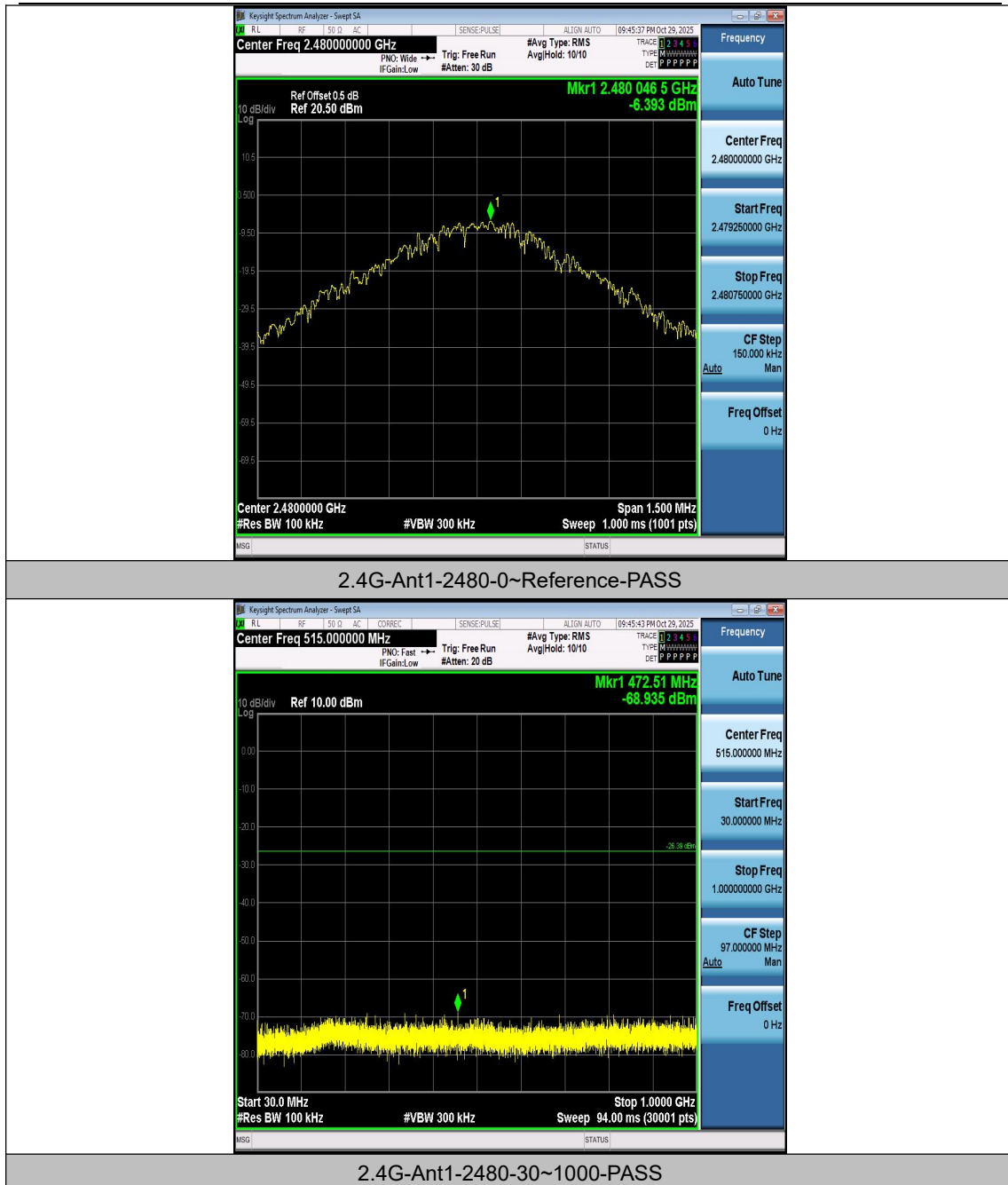
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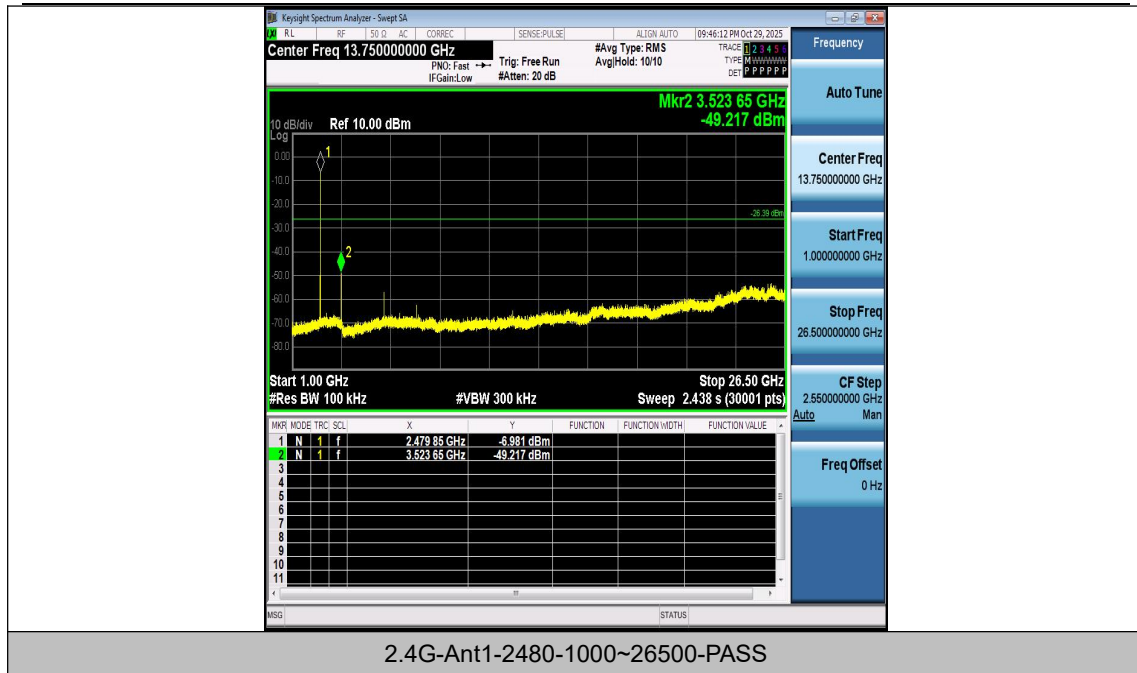
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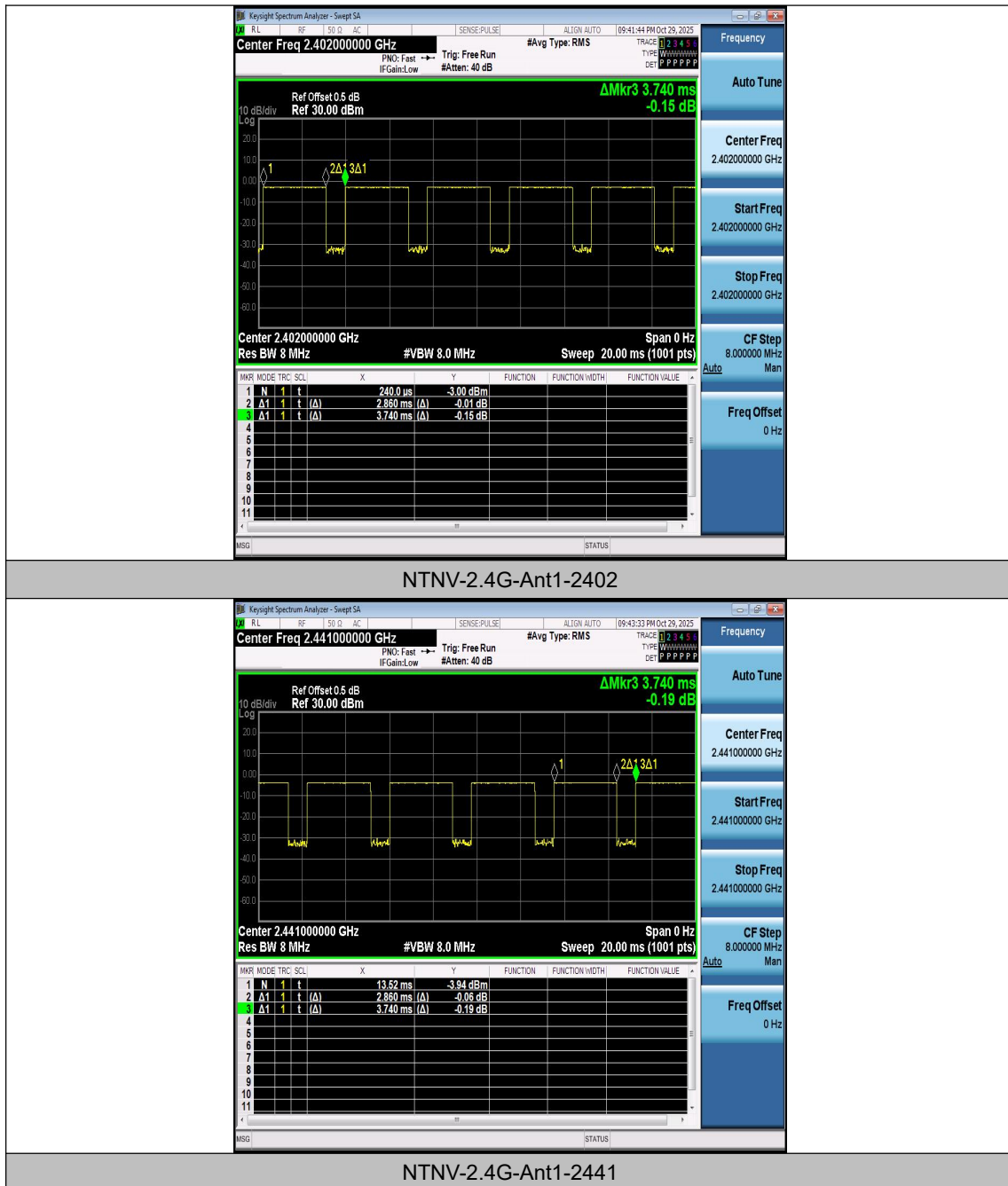
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.86	3.74	76.47	1.17
2.4G	Ant1	2441	2.86	3.74	76.47	1.17
2.4G	Ant1	2480	2.86	3.74	76.47	1.17

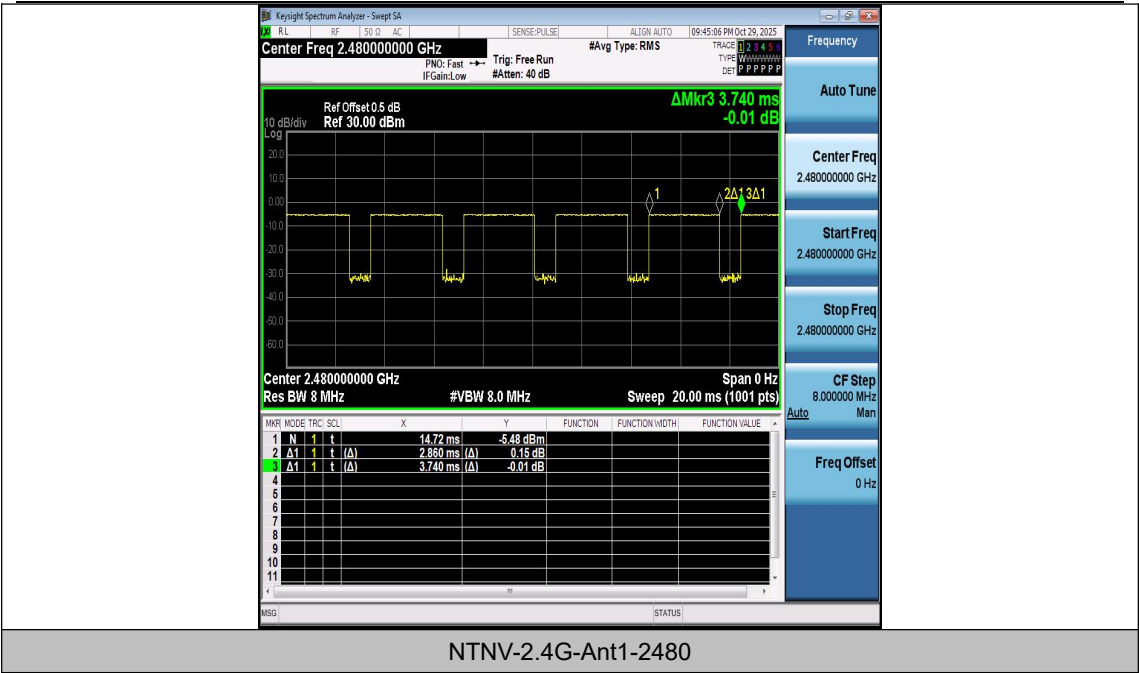
Test Graphs



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NTNV-2.4G-Ant1-2480

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