

Appendix Test Data

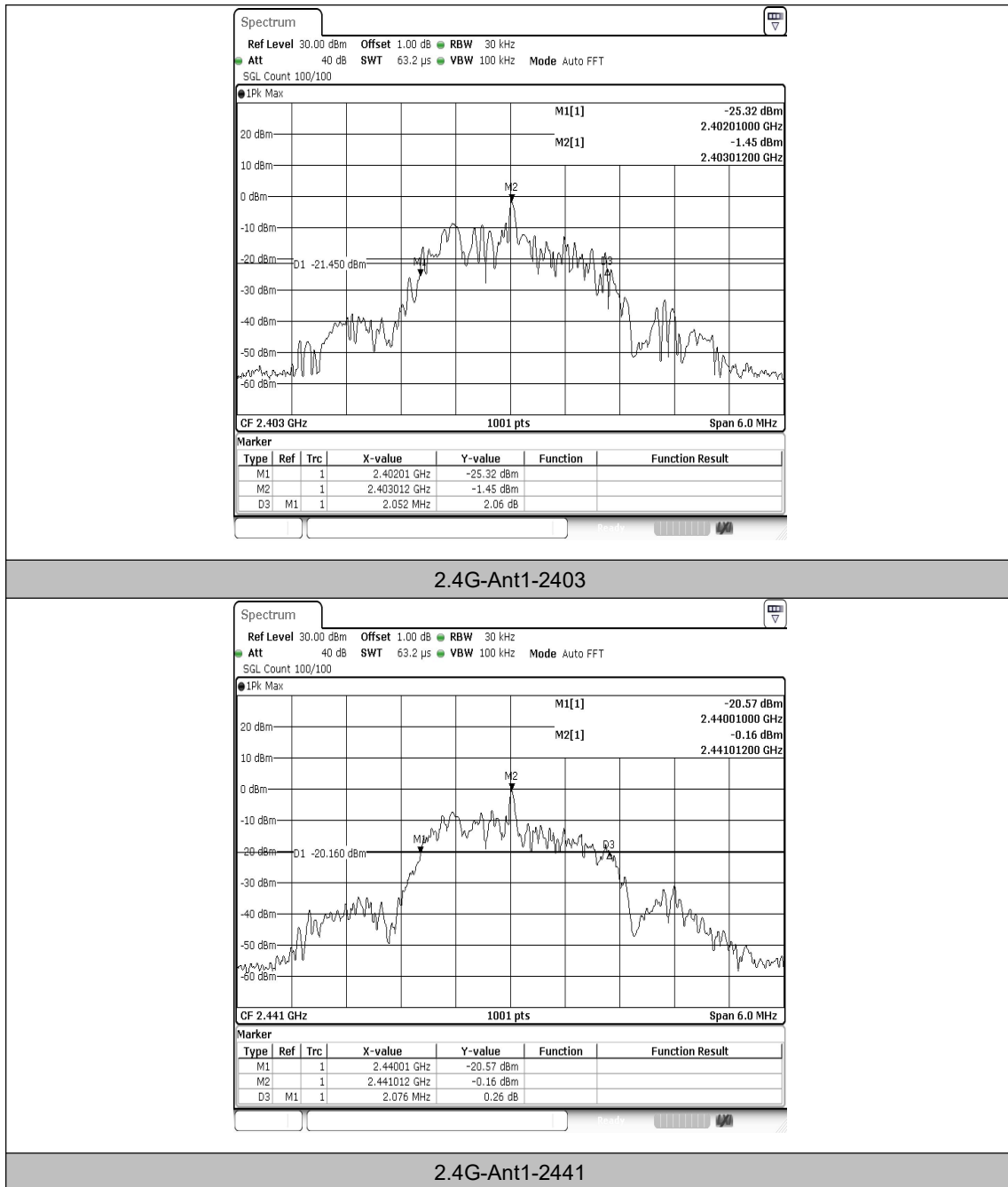
Report No.:	1812C50339712501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-8-8
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	42%
Pressure:	101kPa		

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	2.05	2402.01	2404.06	---	---
2.4G	Ant1	2441	2.08	2440.01	2442.09	---	---
2.4G	Ant1	2480	2.30	2478.88	2481.18	---	---

Test Graphs





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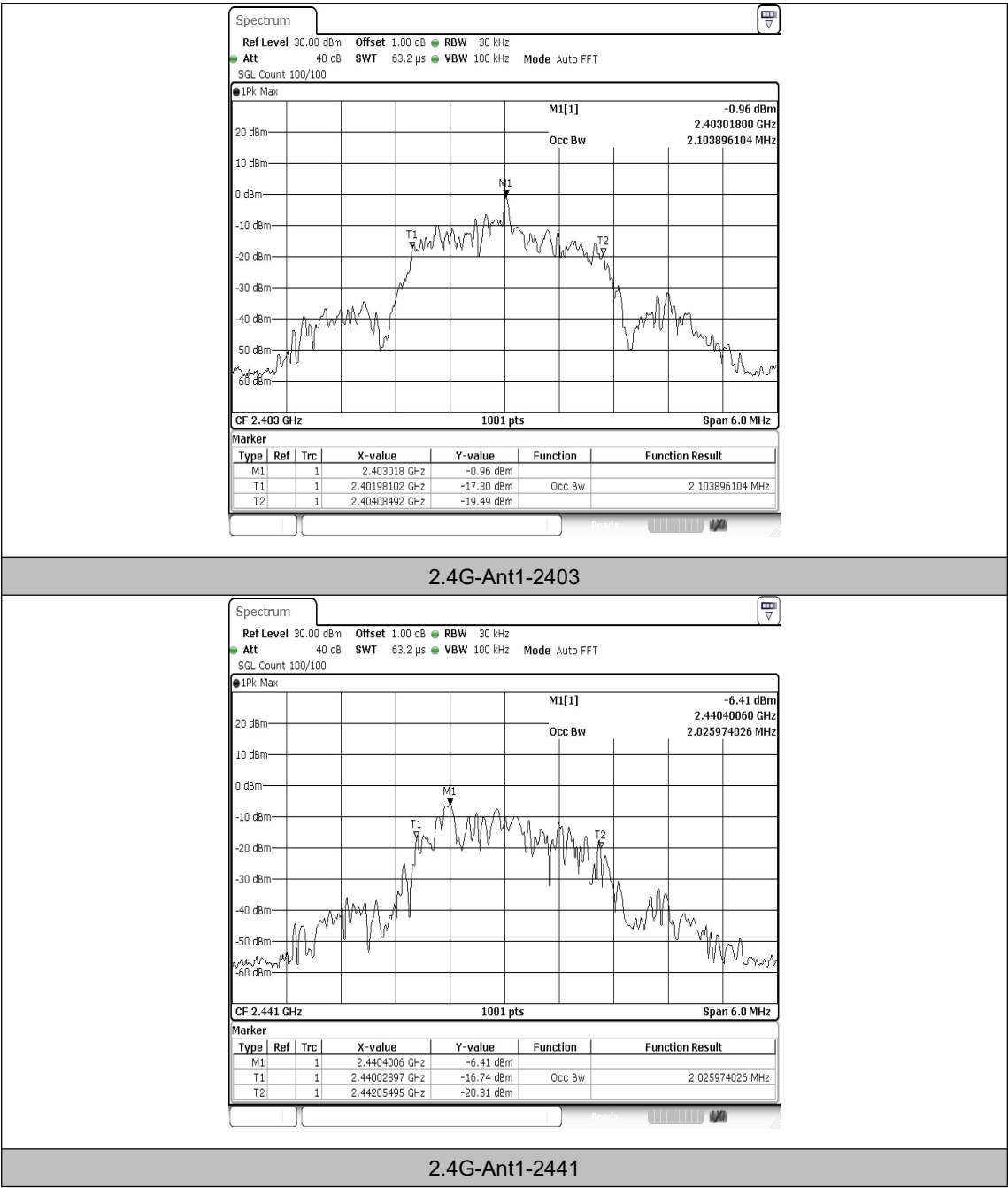
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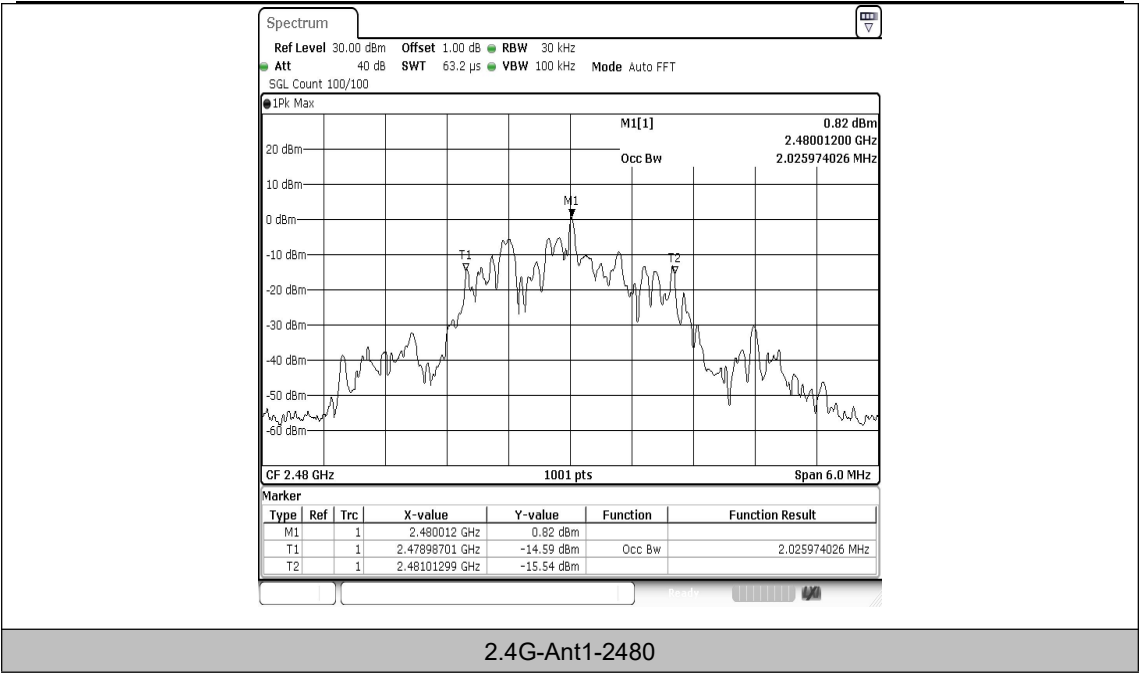
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.1039	2401.9810	2404.0849	---	---
2.4G	Ant1	2441	2.0260	2440.0290	2442.0549	---	---
2.4G	Ant1	2480	2.0260	2478.9870	2481.0130	---	---

Test Graphs





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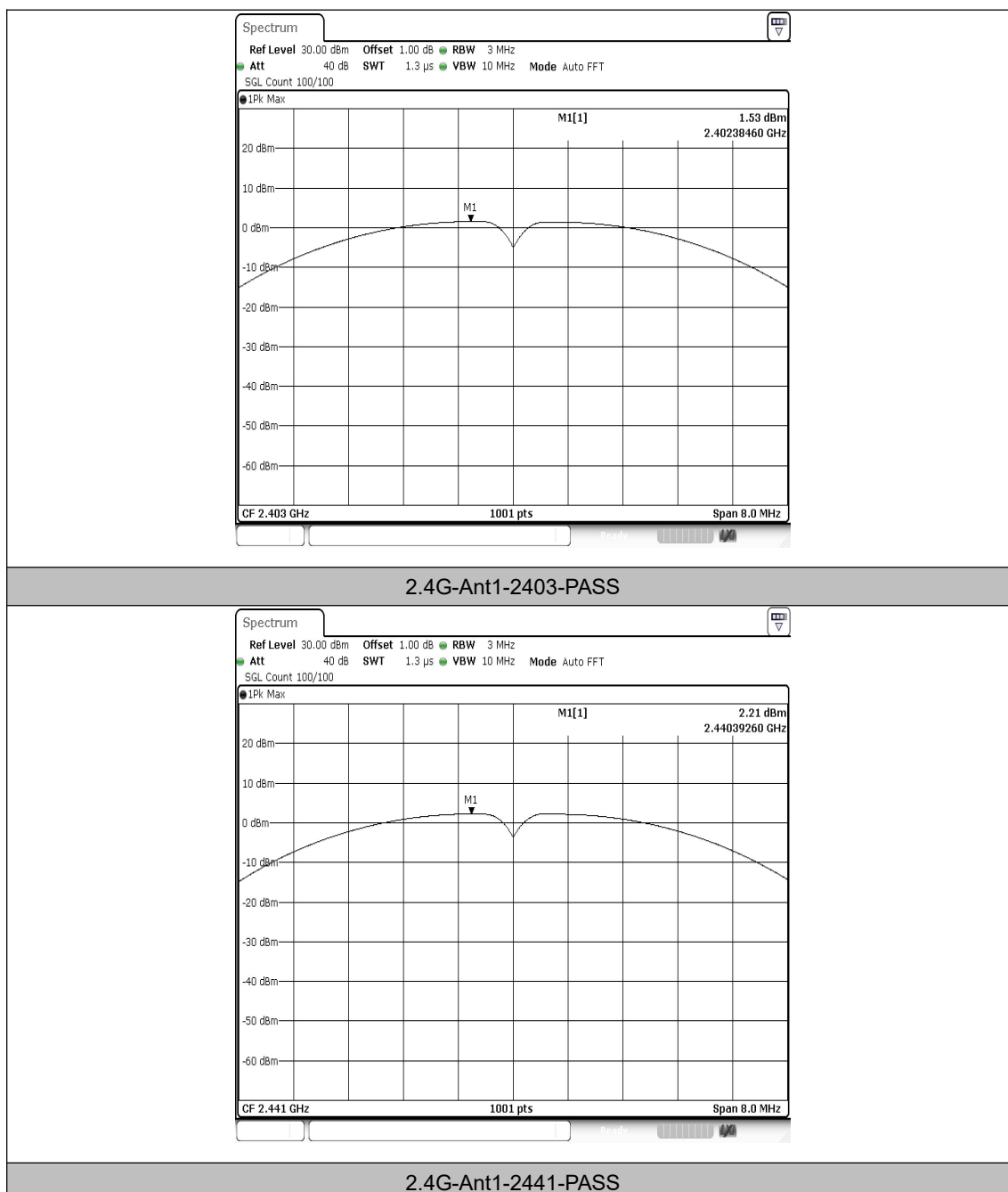
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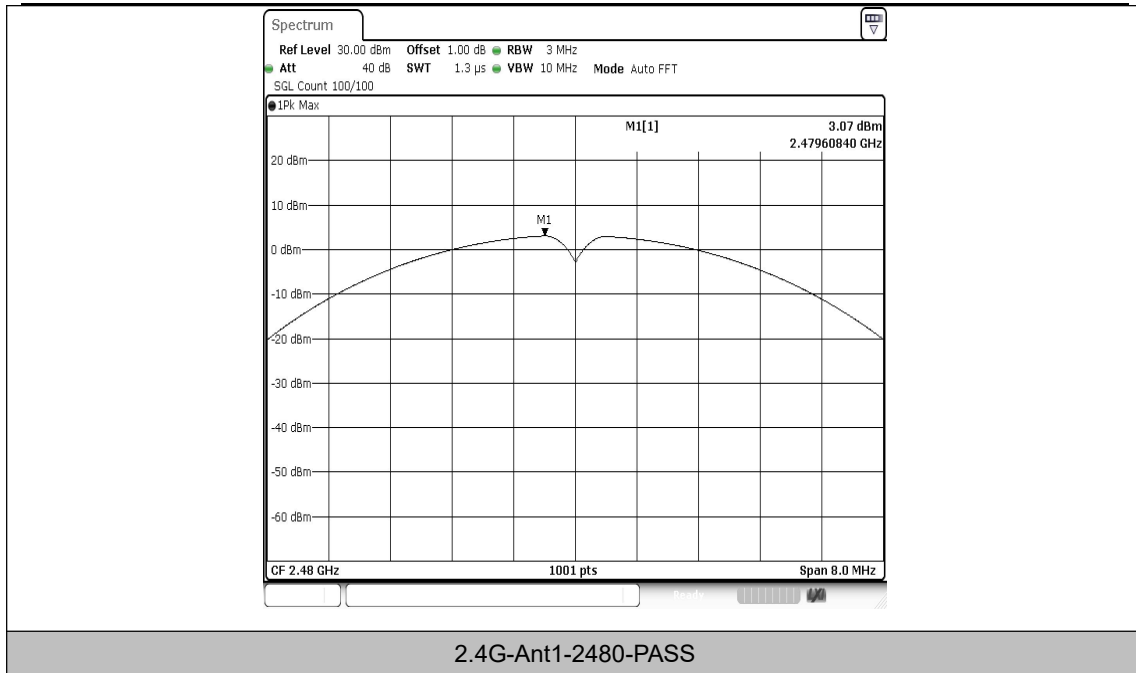
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.53	≤20.97	PASS
2.4G	Ant1	2441	2.21	≤20.97	PASS
2.4G	Ant1	2480	3.07	≤20.97	PASS

Test Graphs





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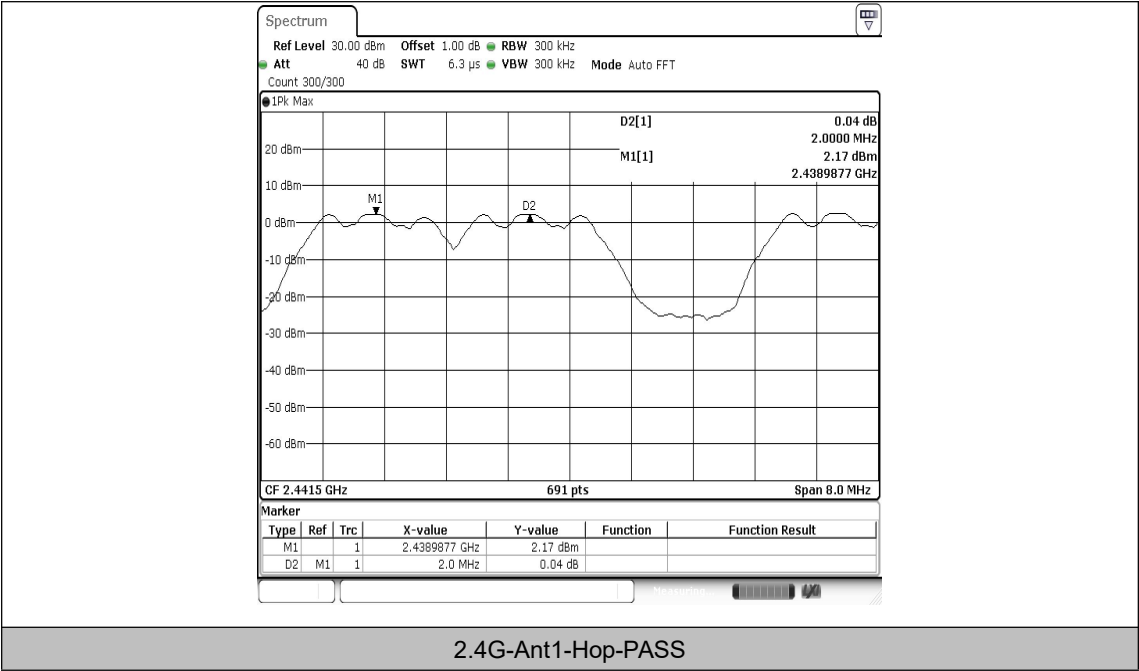
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.533	PASS

Test Graphs

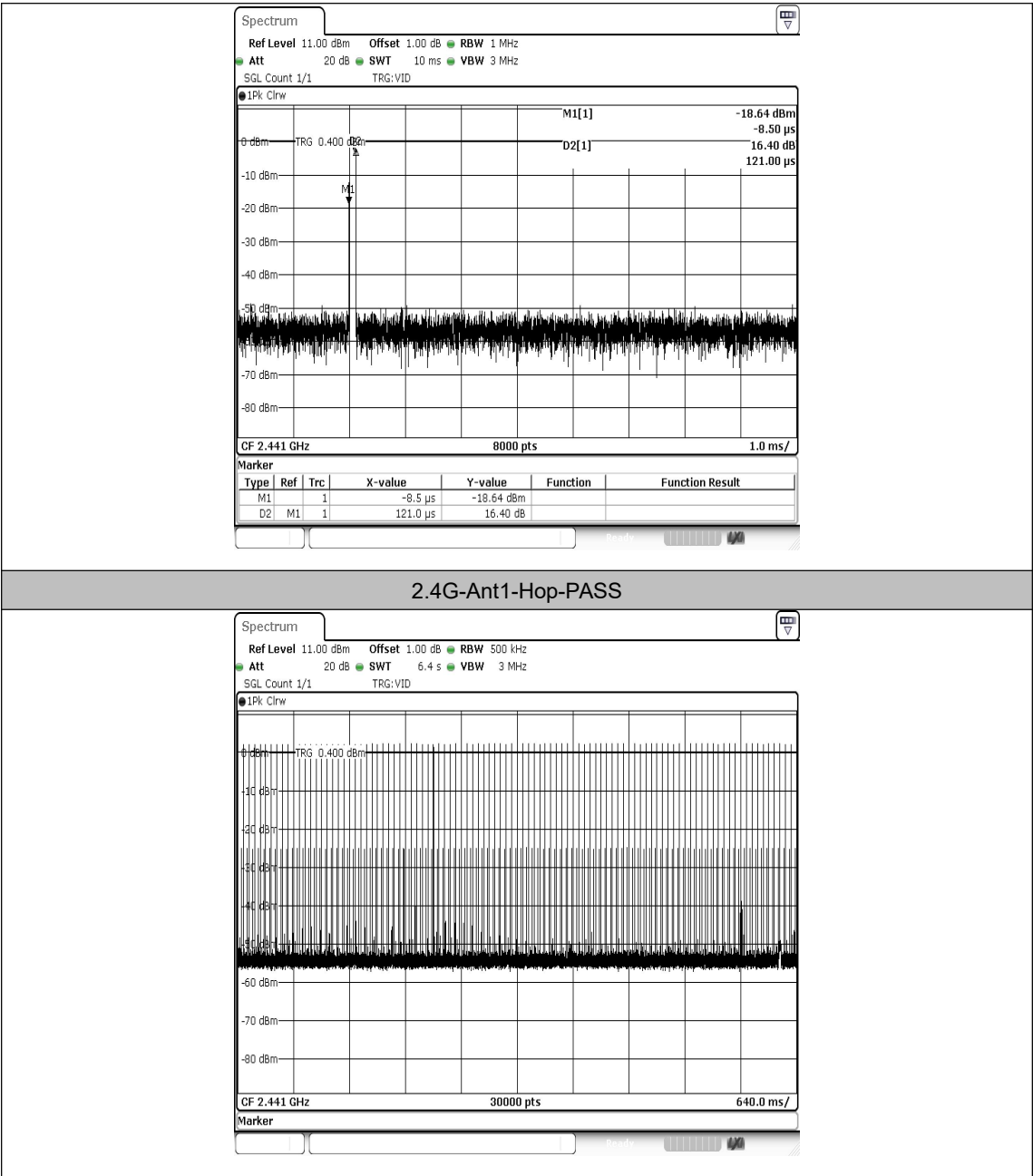


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.121	100	0.012	≤0.4	PASS

Test Graphs

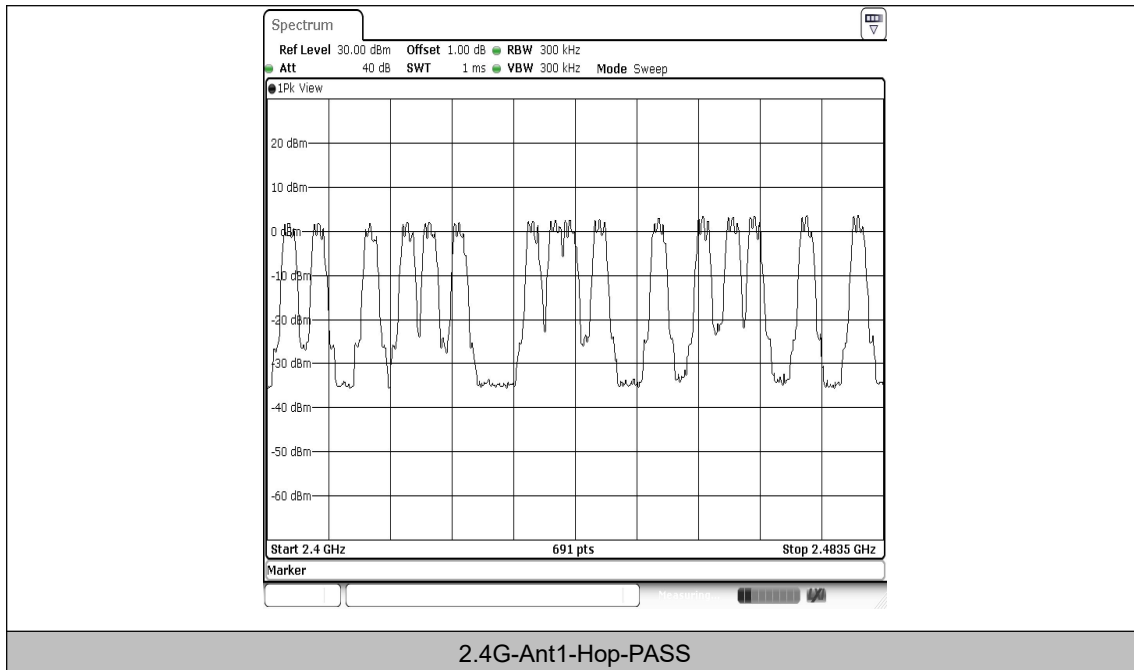


Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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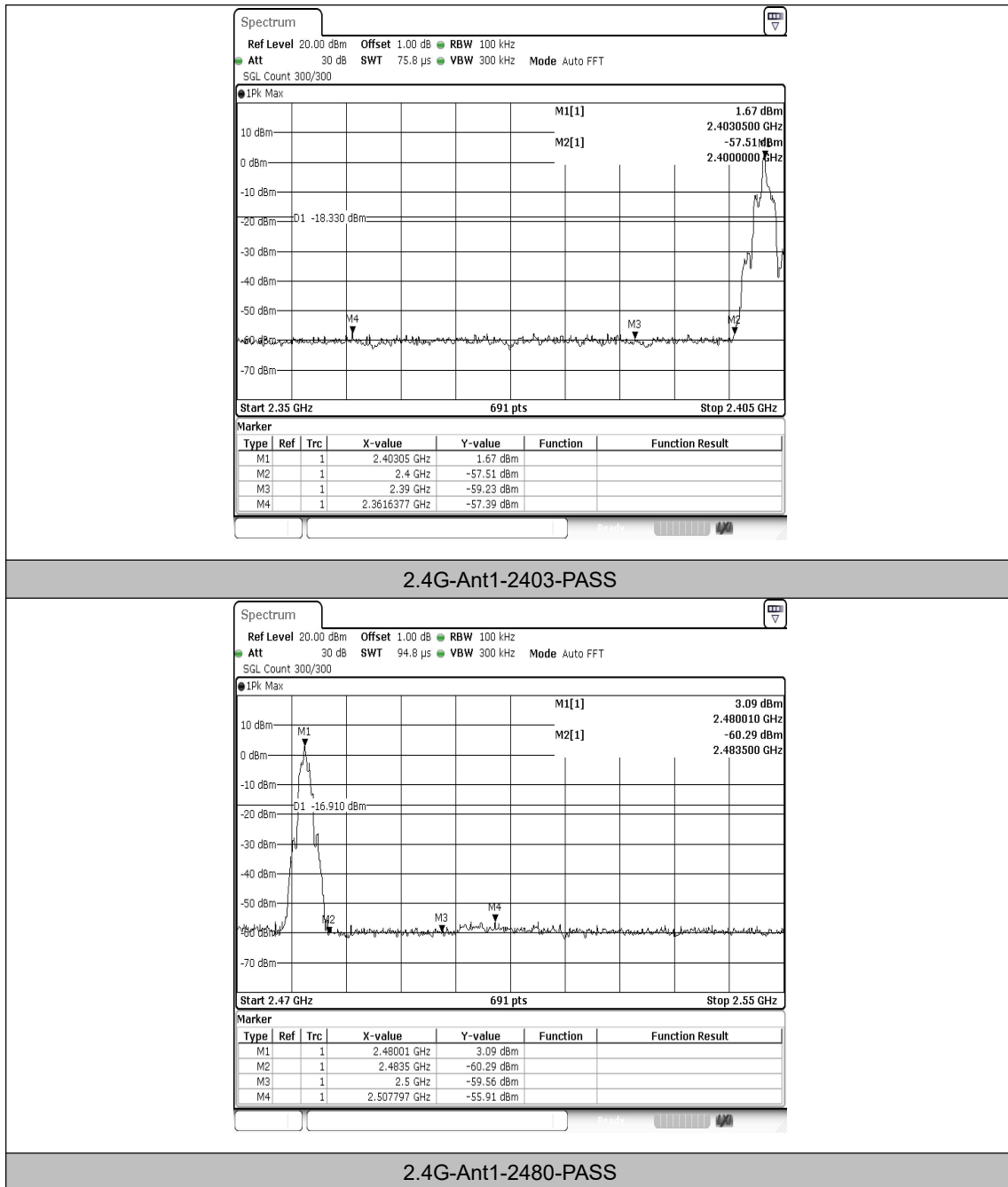
Appendix G: Conducted Band edge

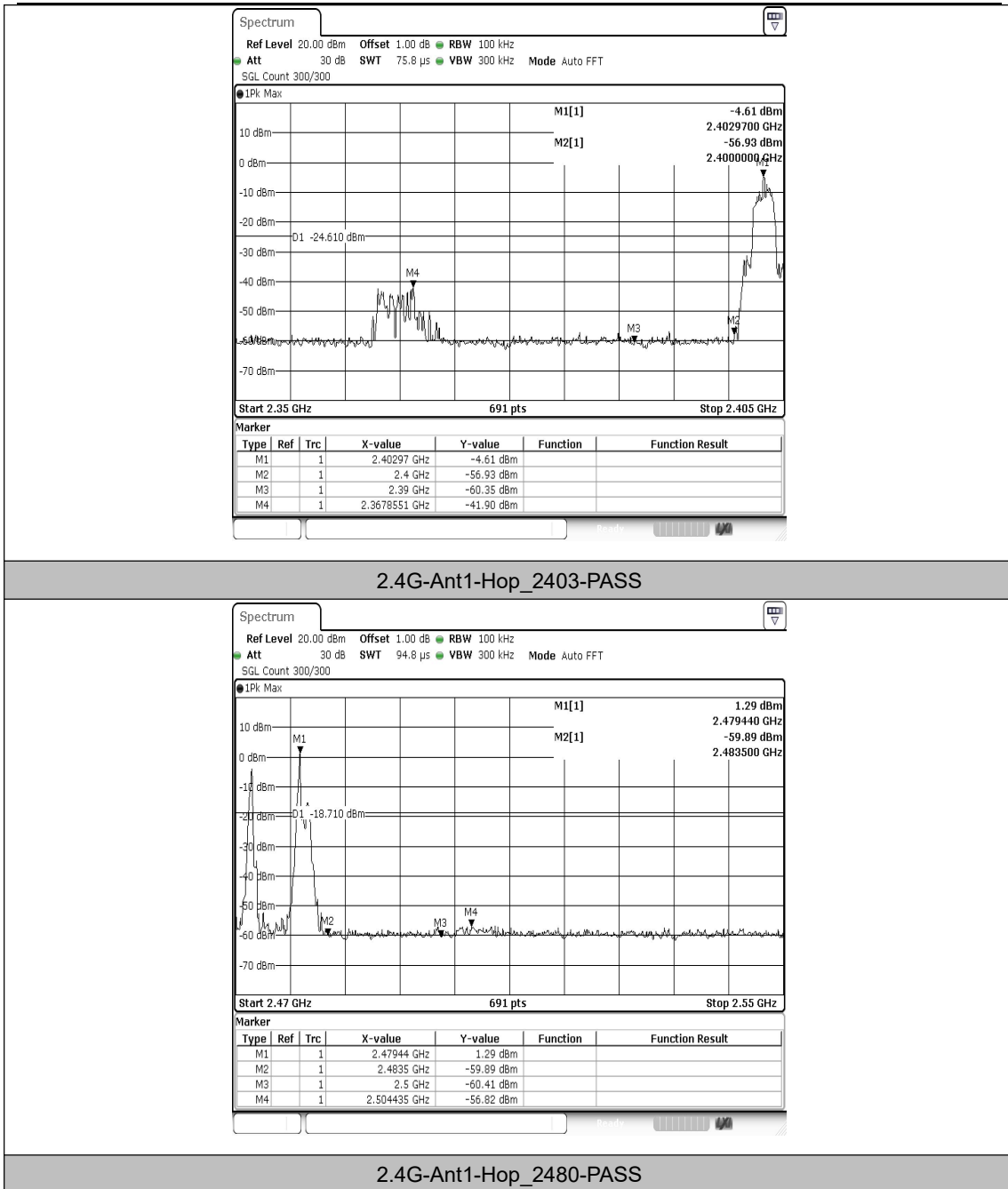
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	1.67	-57.39	≤-18.33	PASS
2.4G	Ant1	High	2480	3.09	-55.91	≤-16.91	PASS
2.4G	Ant1	Low	Hop_2403	-4.61	-41.9	≤-24.61	PASS
2.4G	Ant1	High	Hop_2480	1.29	-56.82	≤-18.71	PASS

Remark:1. 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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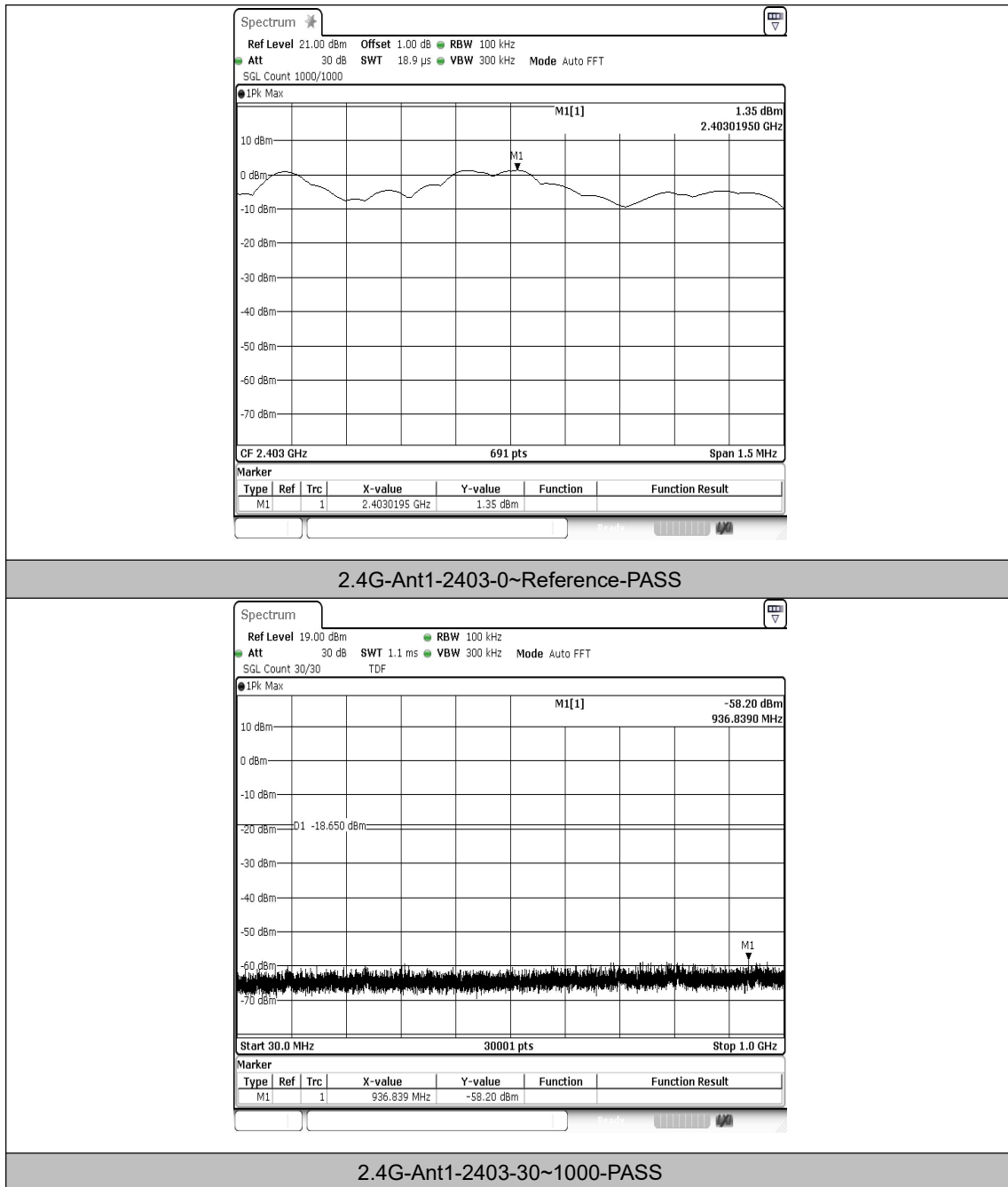
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	1.35	1.35	---	PASS
2.4G	Ant1	2403	30~1000	1.35	-58.2	≤-18.65	PASS
2.4G	Ant1	2403	1000~26500	1.35	-42.29	≤-18.65	PASS
2.4G	Ant1	2441	0~Reference	2.18	2.18	---	PASS
2.4G	Ant1	2441	30~1000	2.18	-58.19	≤-17.82	PASS
2.4G	Ant1	2441	1000~26500	2.18	-41.34	≤-17.82	PASS
2.4G	Ant1	2480	0~Reference	3.07	3.07	---	PASS
2.4G	Ant1	2480	30~1000	3.07	-58.85	≤-16.93	PASS
2.4G	Ant1	2480	1000~26500	3.07	-35.71	≤-16.93	PASS

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

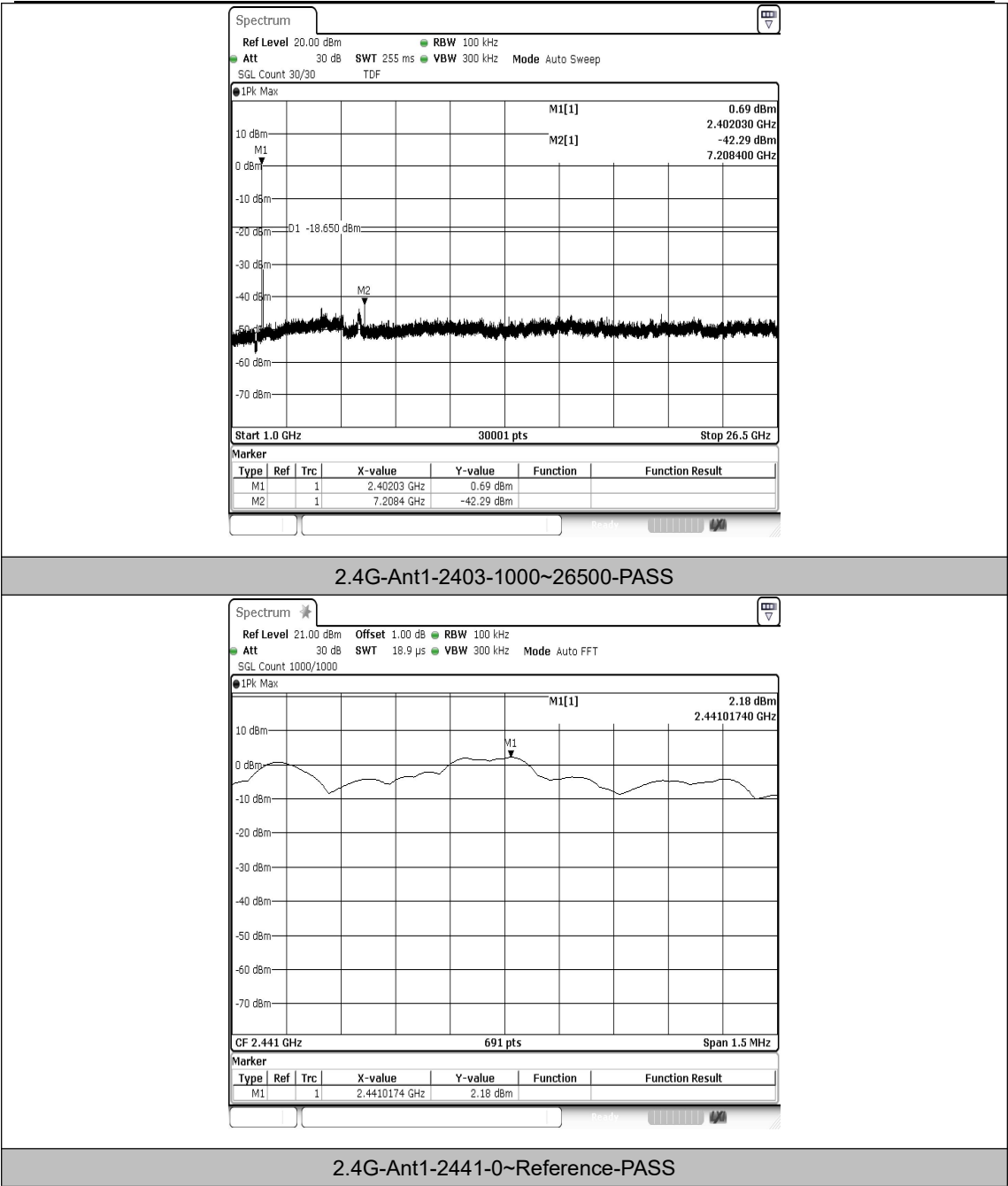
Test Graphs

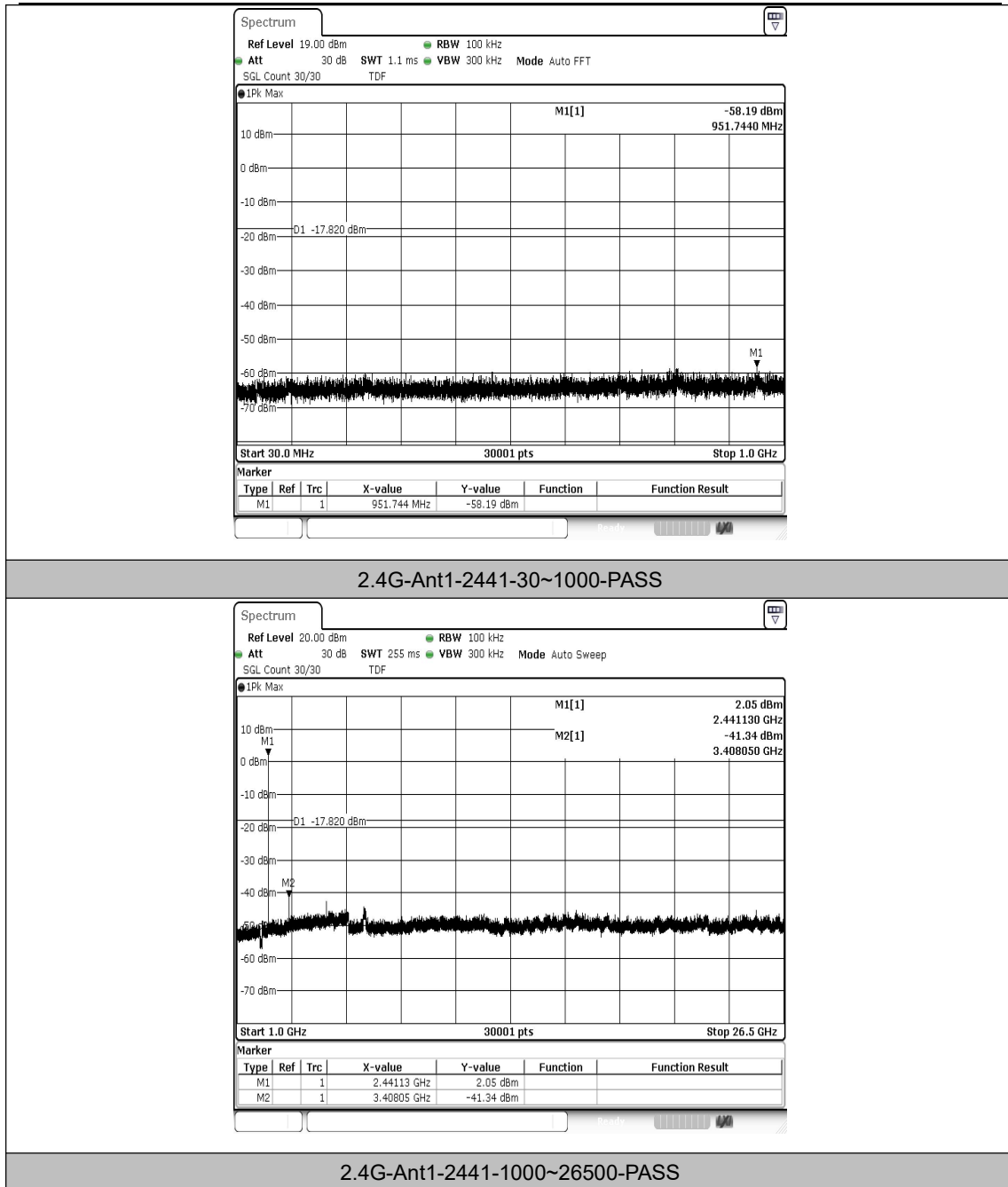


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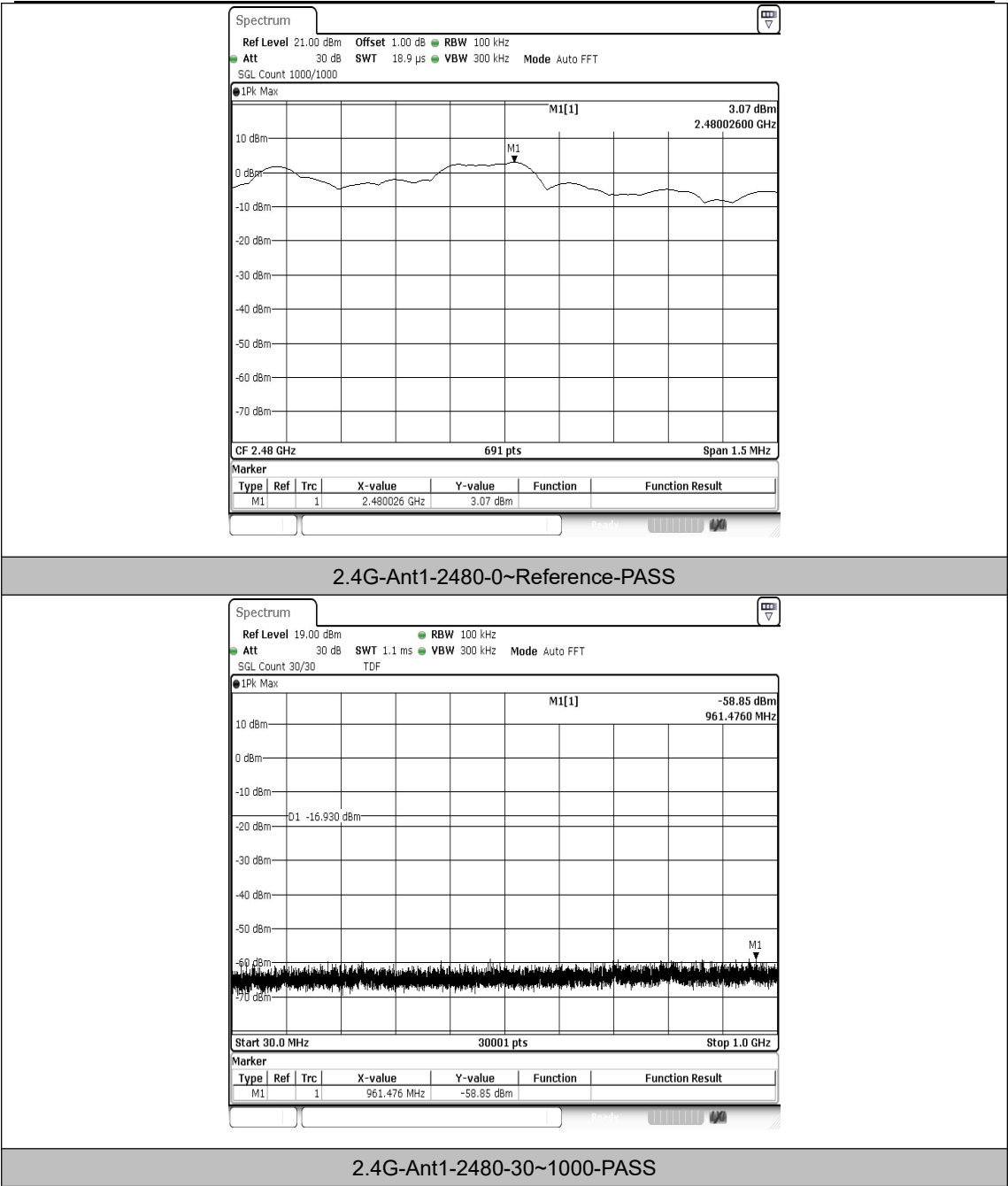




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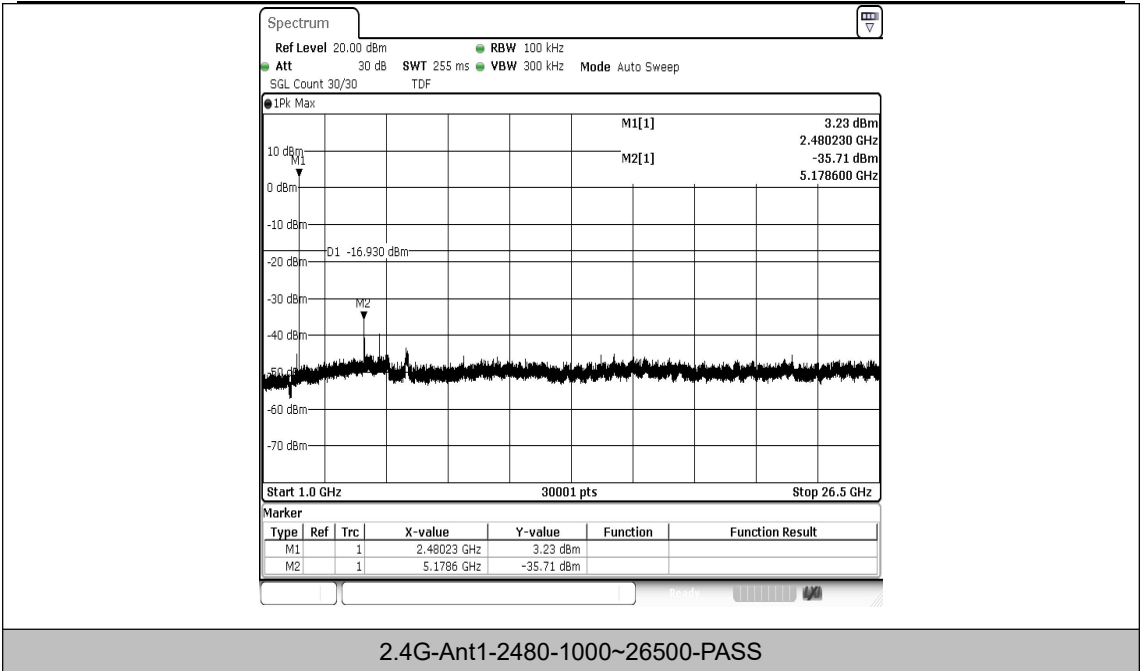
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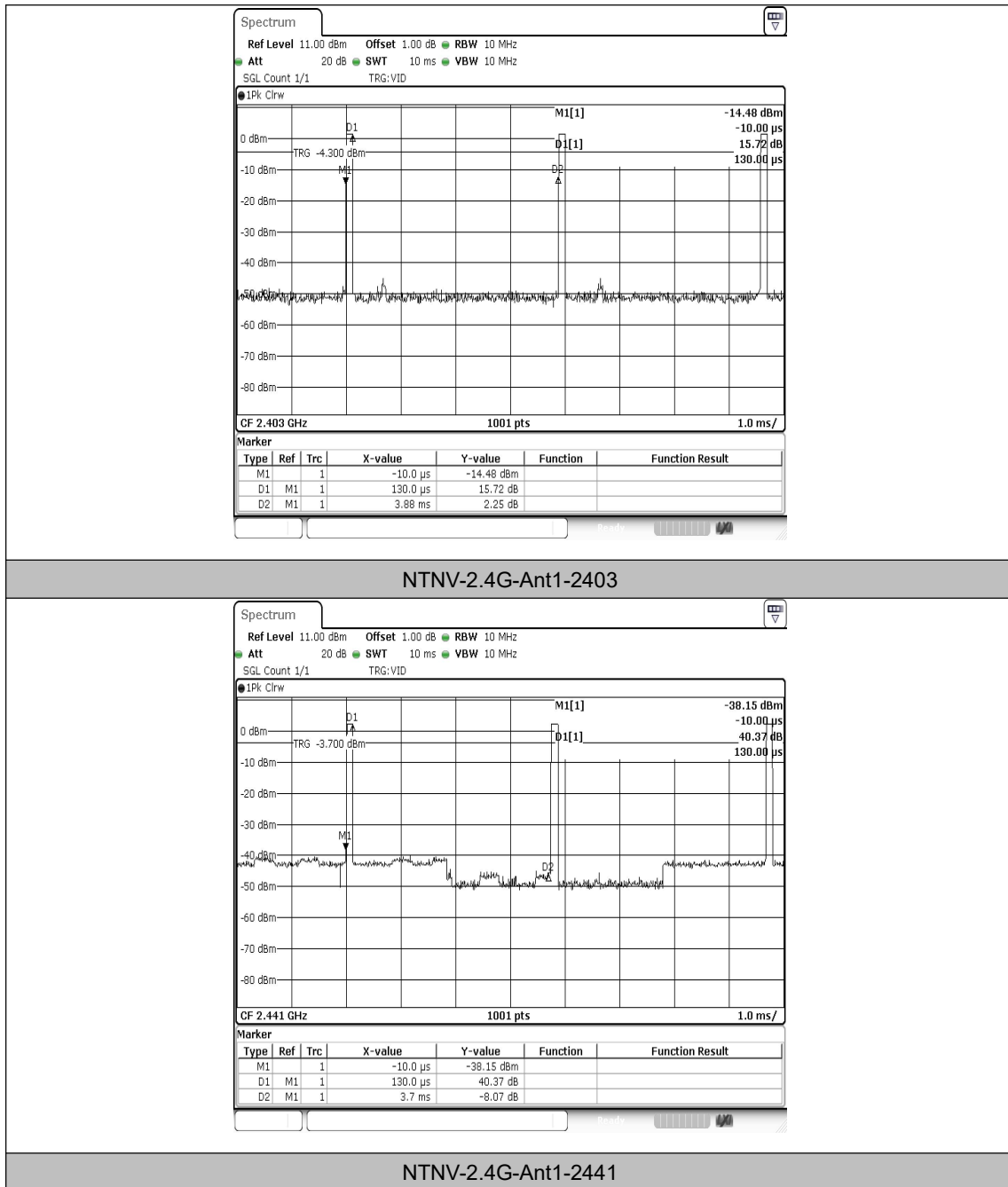
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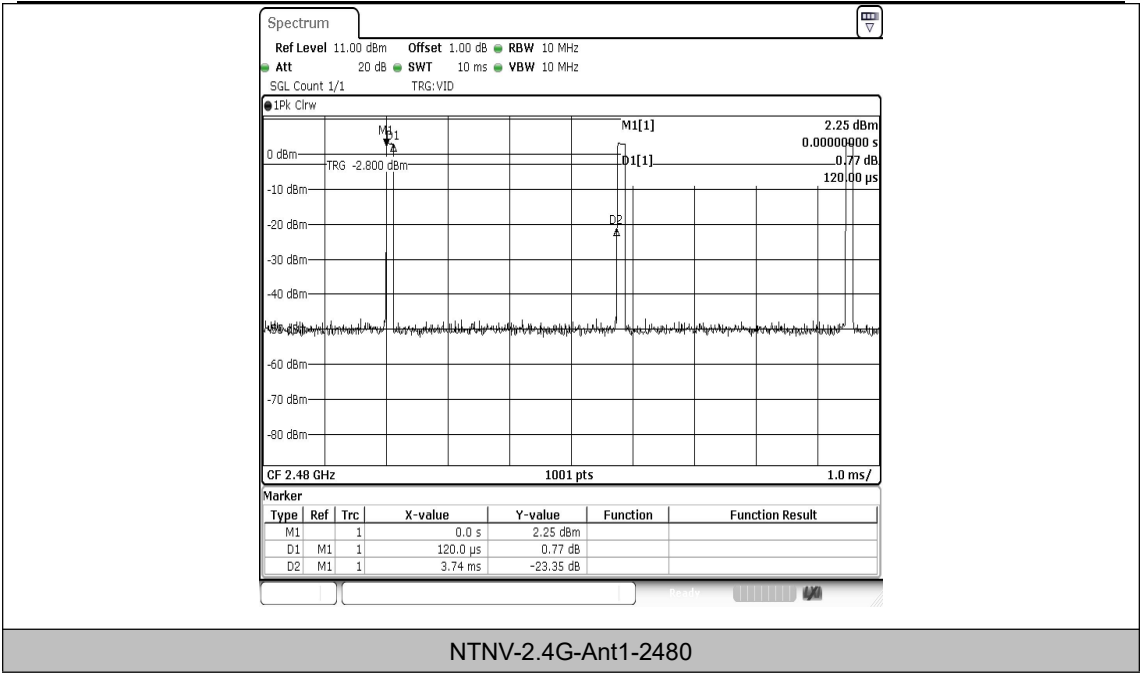
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.13	3.88	3.35	14.75
2.4G	Ant1	2441	0.13	3.70	3.51	14.55
2.4G	Ant1	2480	0.12	3.74	3.21	14.93

Test Graphs





---End---