

Appendix Test Data

Report No:	1812C40126912501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.4	Finish Test Date:	2024.11.11
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.7°C	Relative Humidity:	48%
Pressure:	101 kPa		

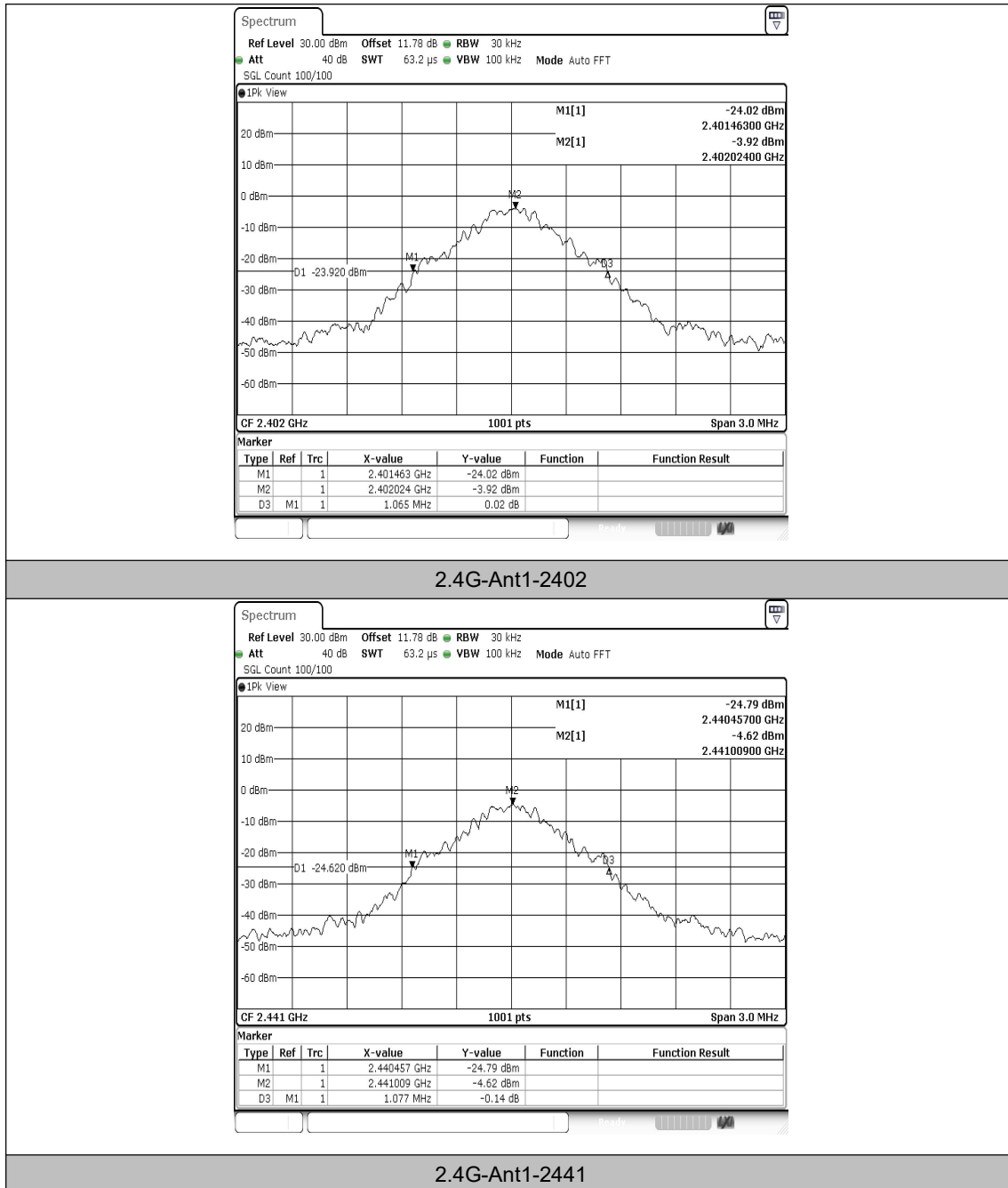
Appendix A: 20dB Emission Bandwidth

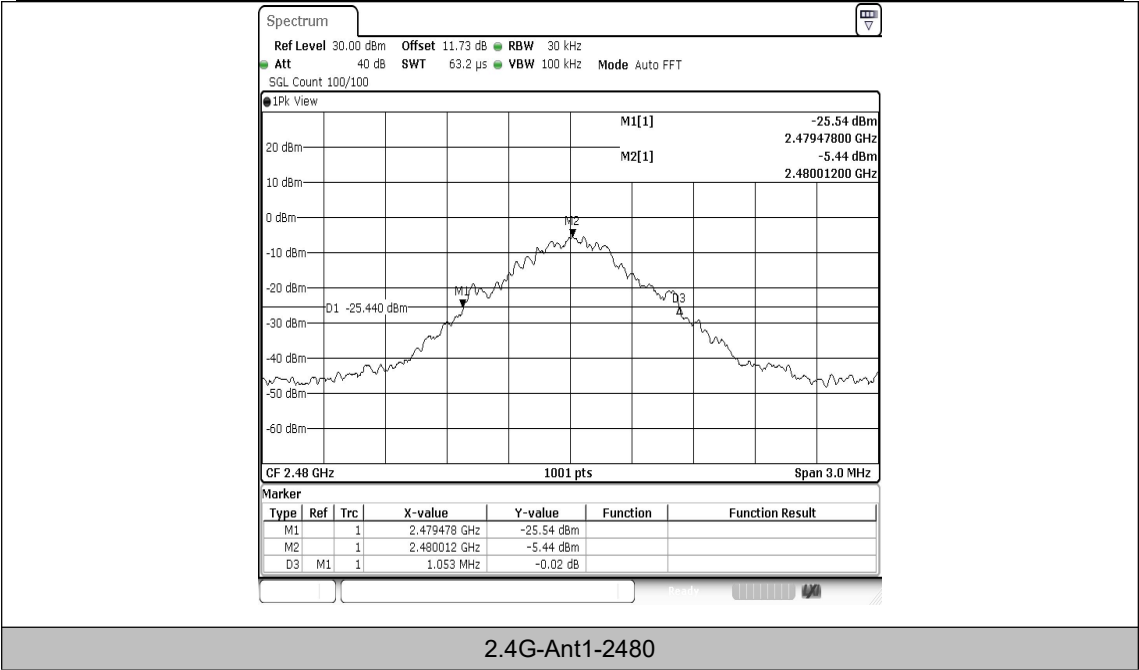
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.06	2401.46	2402.53	---	---
2.4G	Ant1	2441	1.08	2440.46	2441.53	---	---
2.4G	Ant1	2480	1.05	2479.48	2480.53	---	---



Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.926	2401.5385	2402.4645	---	---
2.4G	Ant1	2441	0.971	2440.5205	2441.4915	---	---
2.4G	Ant1	2480	0.983	2479.5145	2480.4975	---	---

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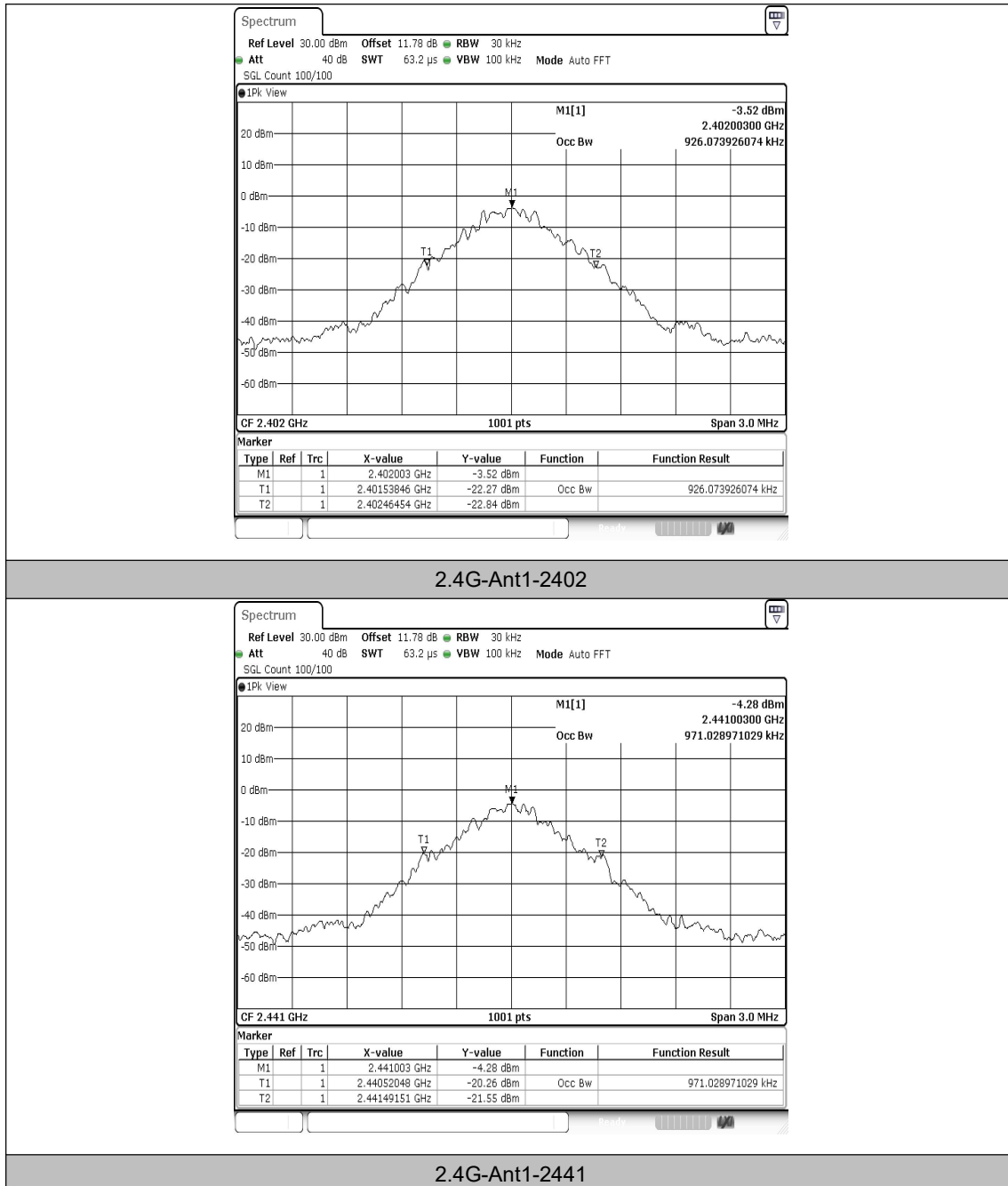
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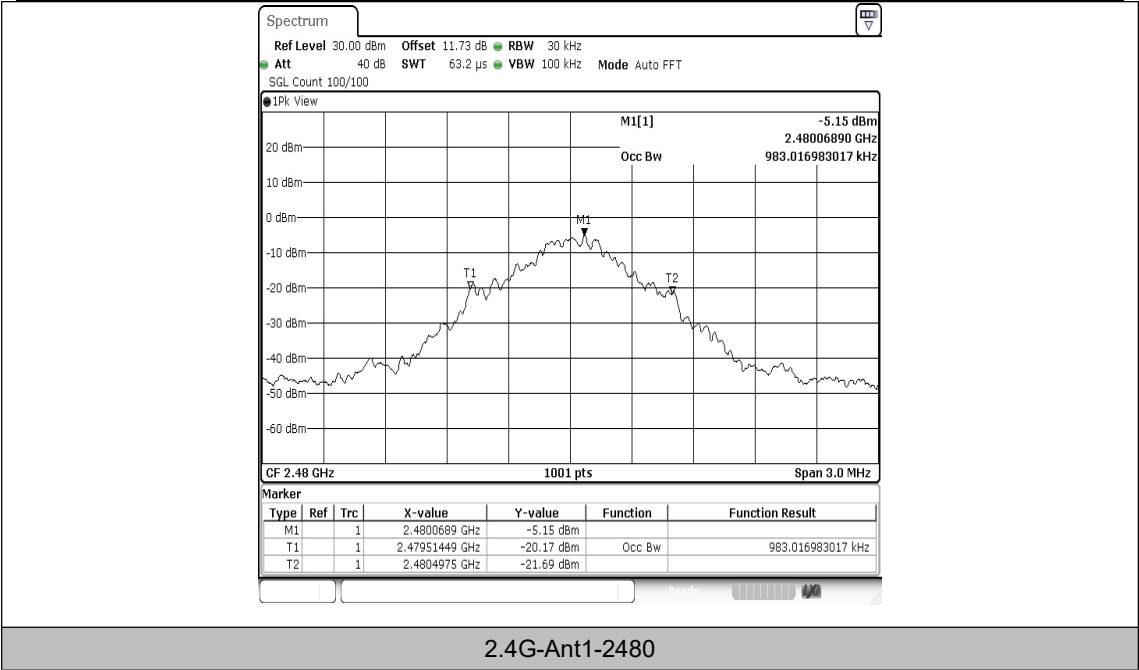


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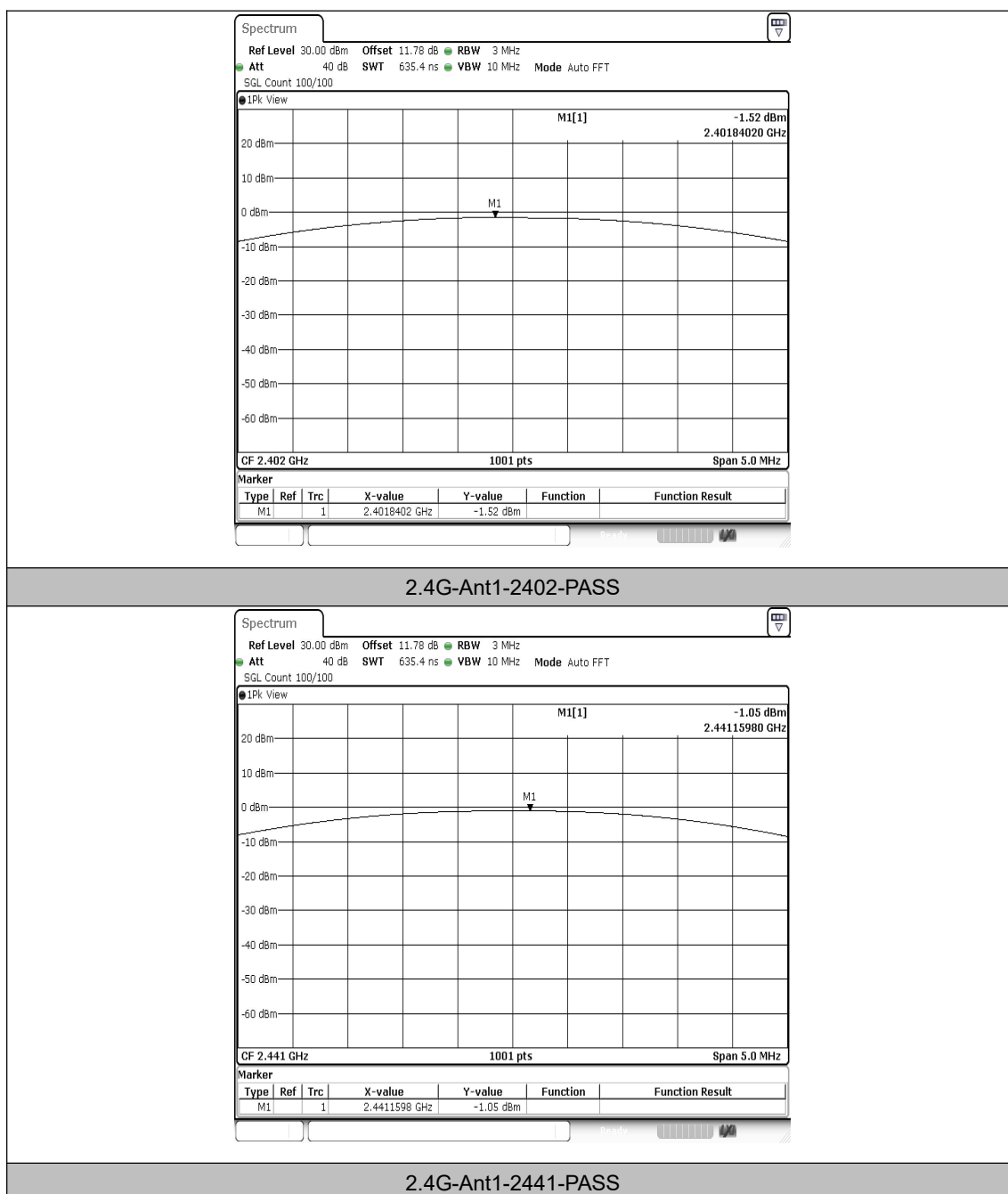


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	-1.52	≤20.97	PASS
2.4G	Ant1	2441	-1.05	≤20.97	PASS
2.4G	Ant1	2480	-0.03	≤20.97	PASS

Test Graphs

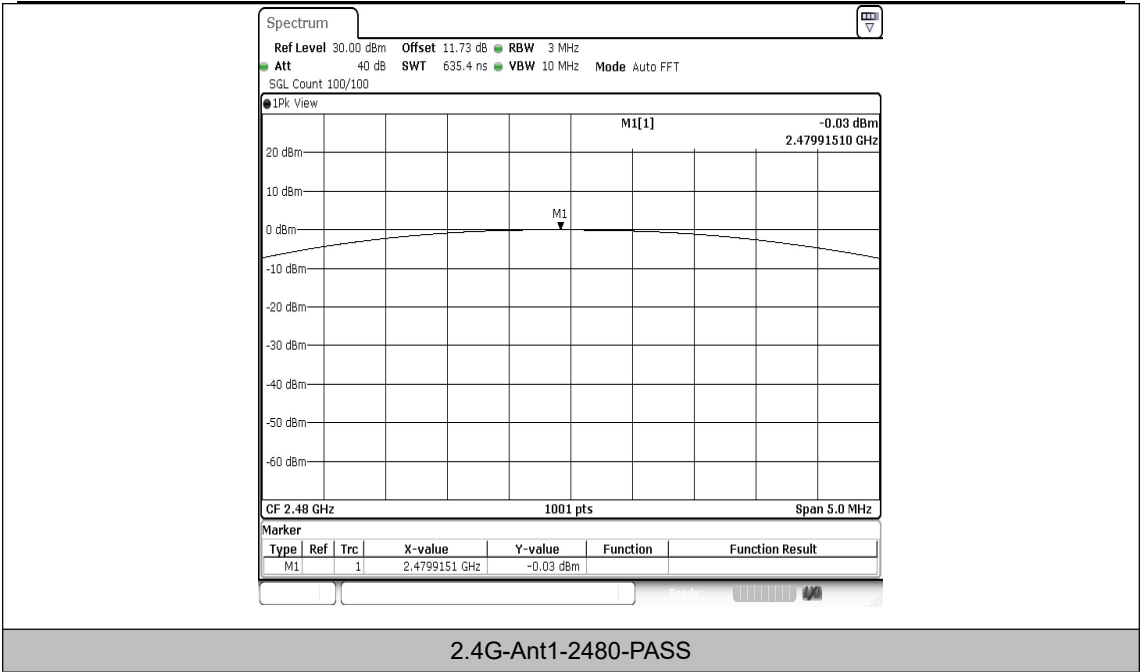


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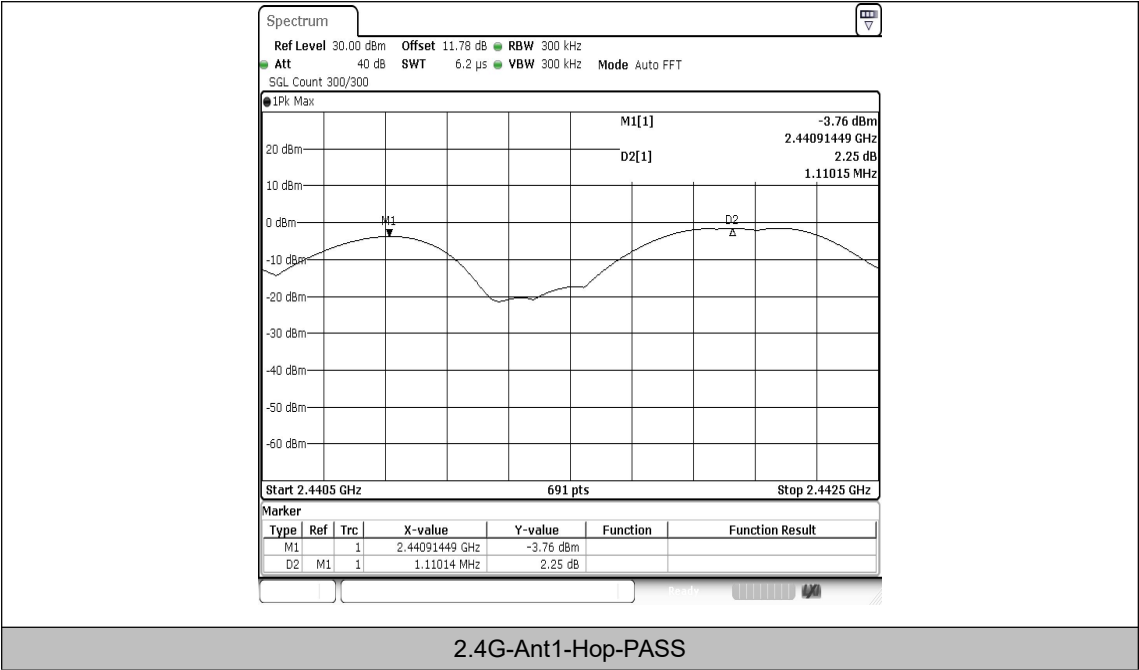
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.11	≥ 0.72	PASS



Test Graphs



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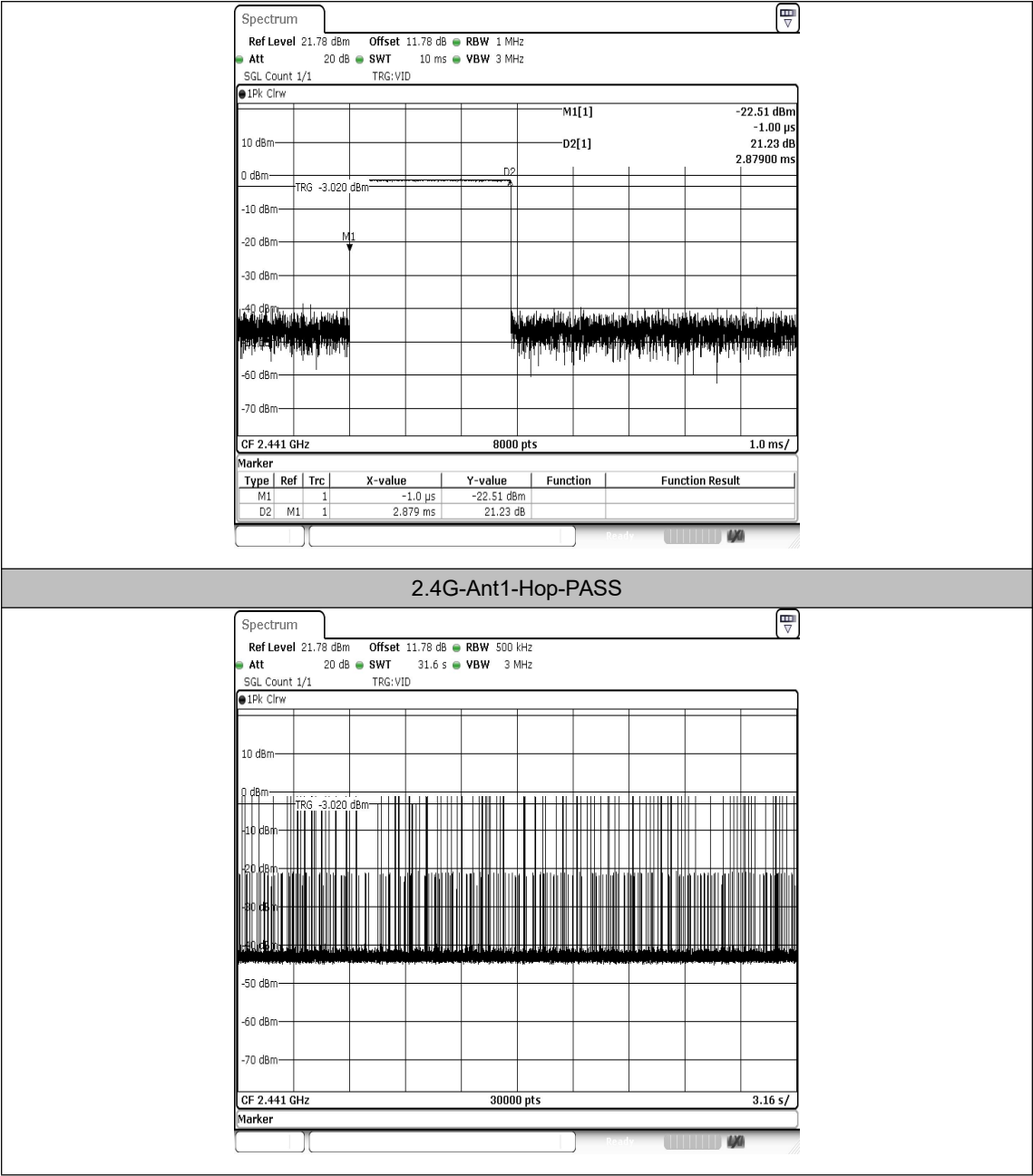
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.879	115	0.331	≤0.4	PASS



Test Graphs



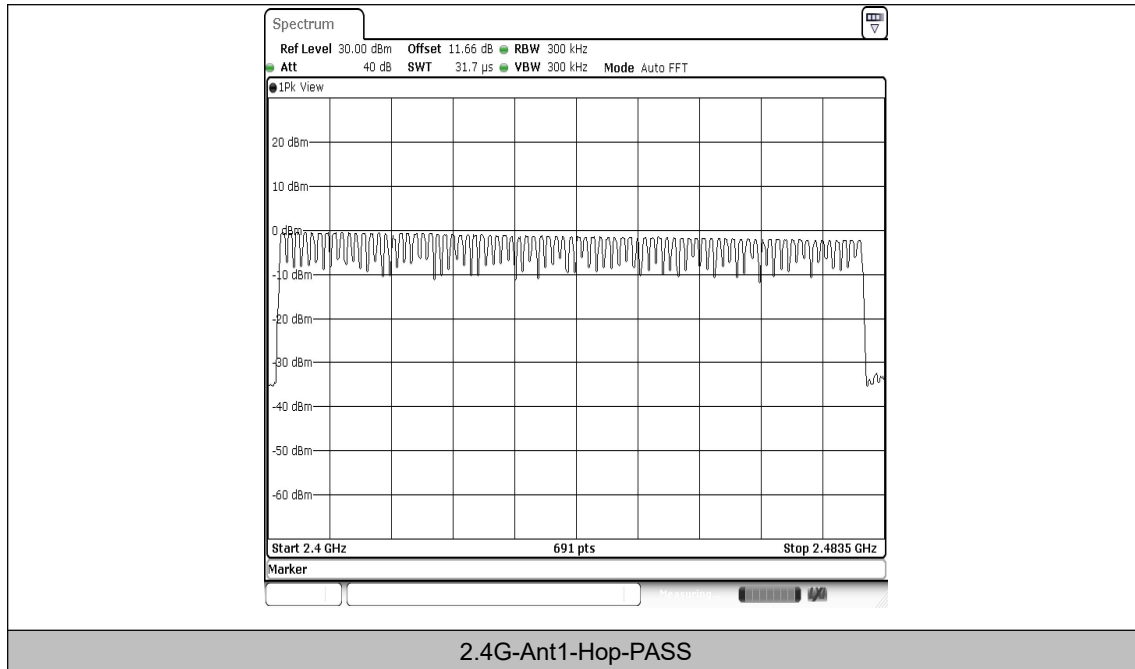
Appendix F: Number of hopping channels

Test Result

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



Test Graphs



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Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-0.53	-46.68	≤-20.53	PASS
2.4G	Ant1	High	2480	-2.48	-45.64	≤-22.48	PASS
2.4G	Ant1	Low	Hop_2402	-1.63	-47.44	≤-21.63	PASS
2.4G	Ant1	High	Hop_2480	-2.77	-46.02	≤-22.77	PASS

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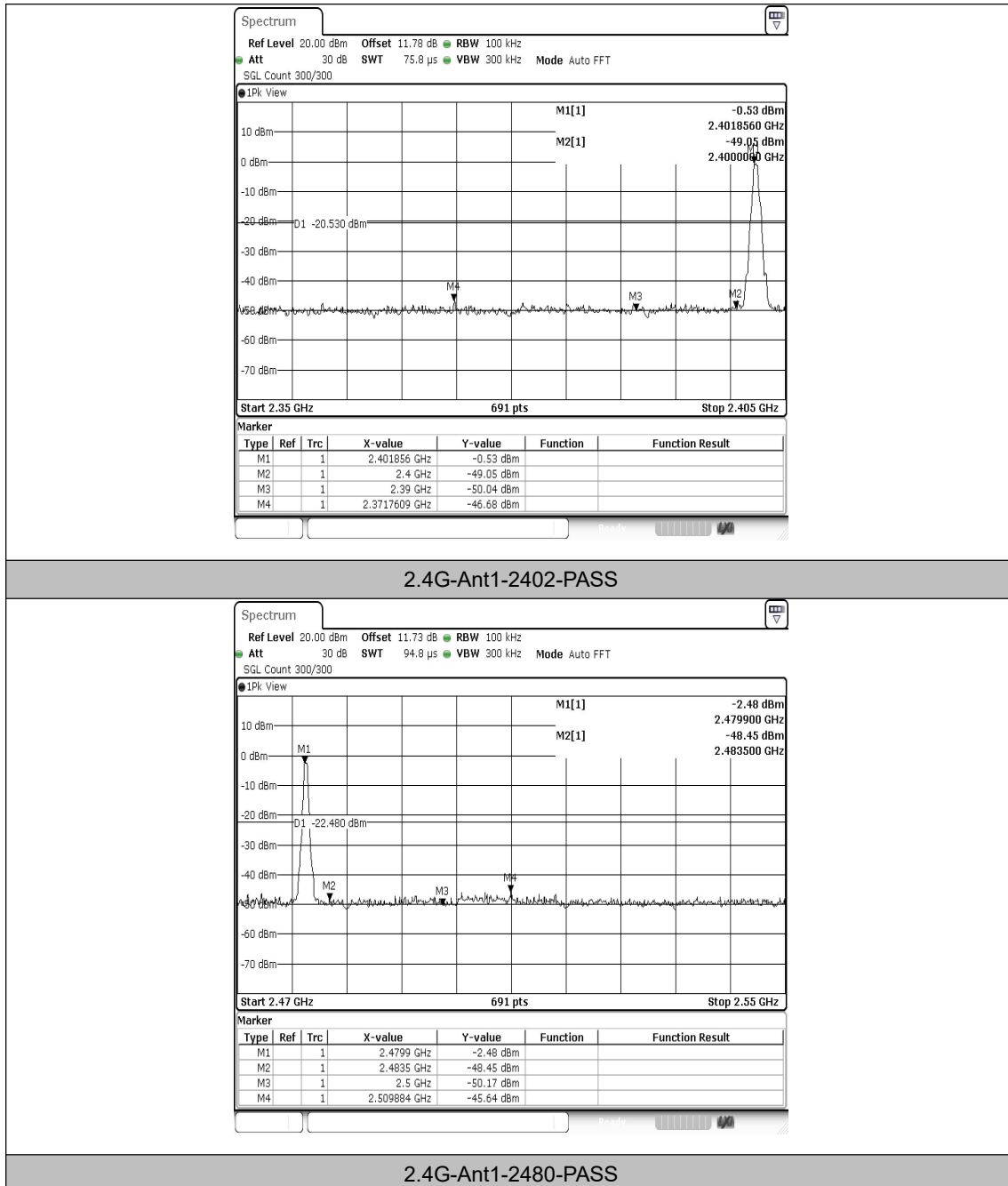
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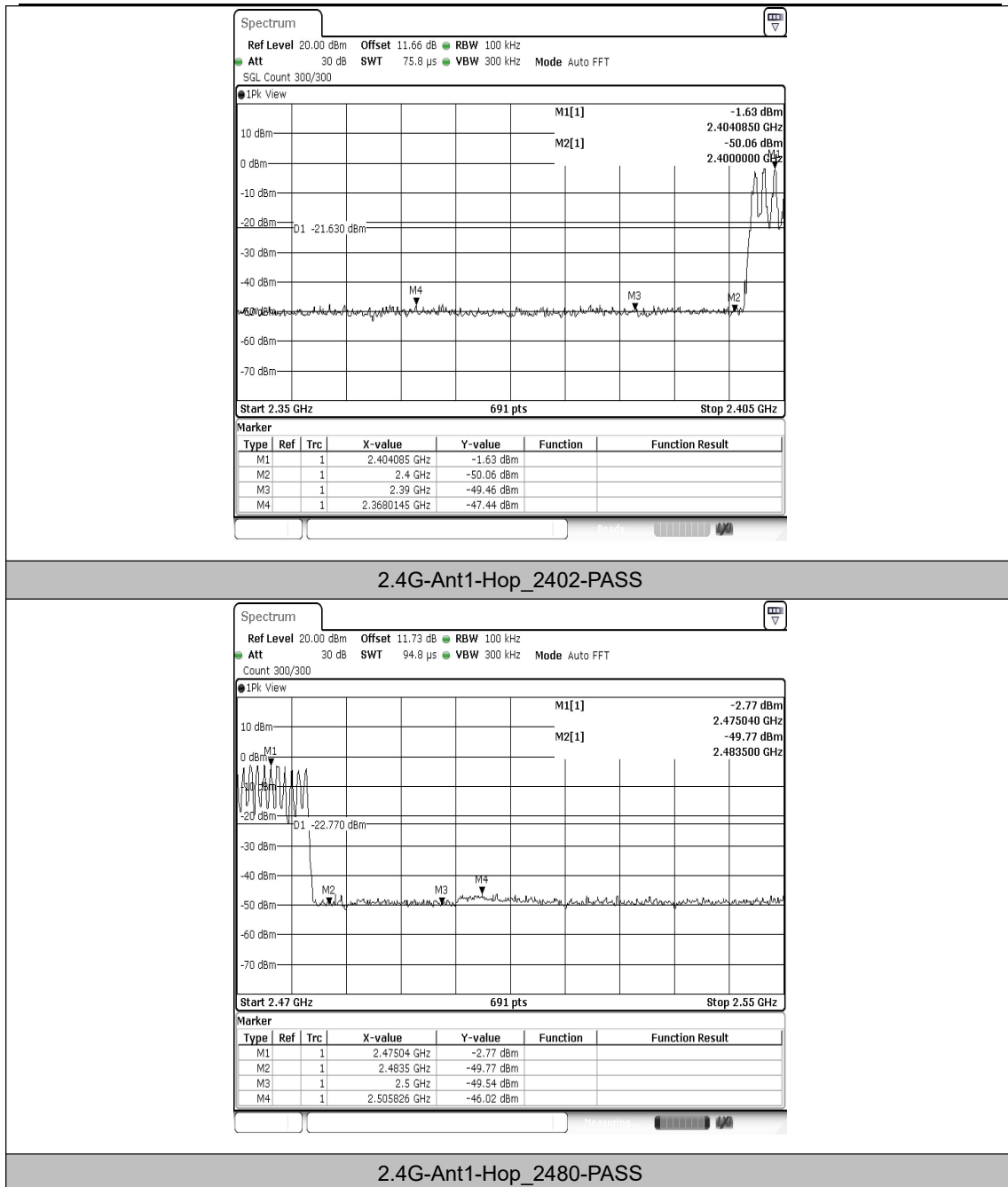


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Test Graphs





Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-0.74	-0.74	---	PASS
2.4G	Ant1	2402	30~1000	-0.74	-56.2	≤-20.74	PASS
2.4G	Ant1	2402	1000~26500	-0.74	-43.49	≤-20.74	PASS
2.4G	Ant1	2441	0~Reference	-1.42	-1.42	---	PASS
2.4G	Ant1	2441	30~1000	-1.42	-57.88	≤-21.42	PASS
2.4G	Ant1	2441	1000~26500	-1.42	-43.94	≤-21.42	PASS
2.4G	Ant1	2480	0~Reference	-2.44	-2.44	---	PASS
2.4G	Ant1	2480	30~1000	-2.44	-58.45	≤-22.44	PASS
2.4G	Ant1	2480	1000~26500	-2.44	-43.25	≤-22.44	PASS

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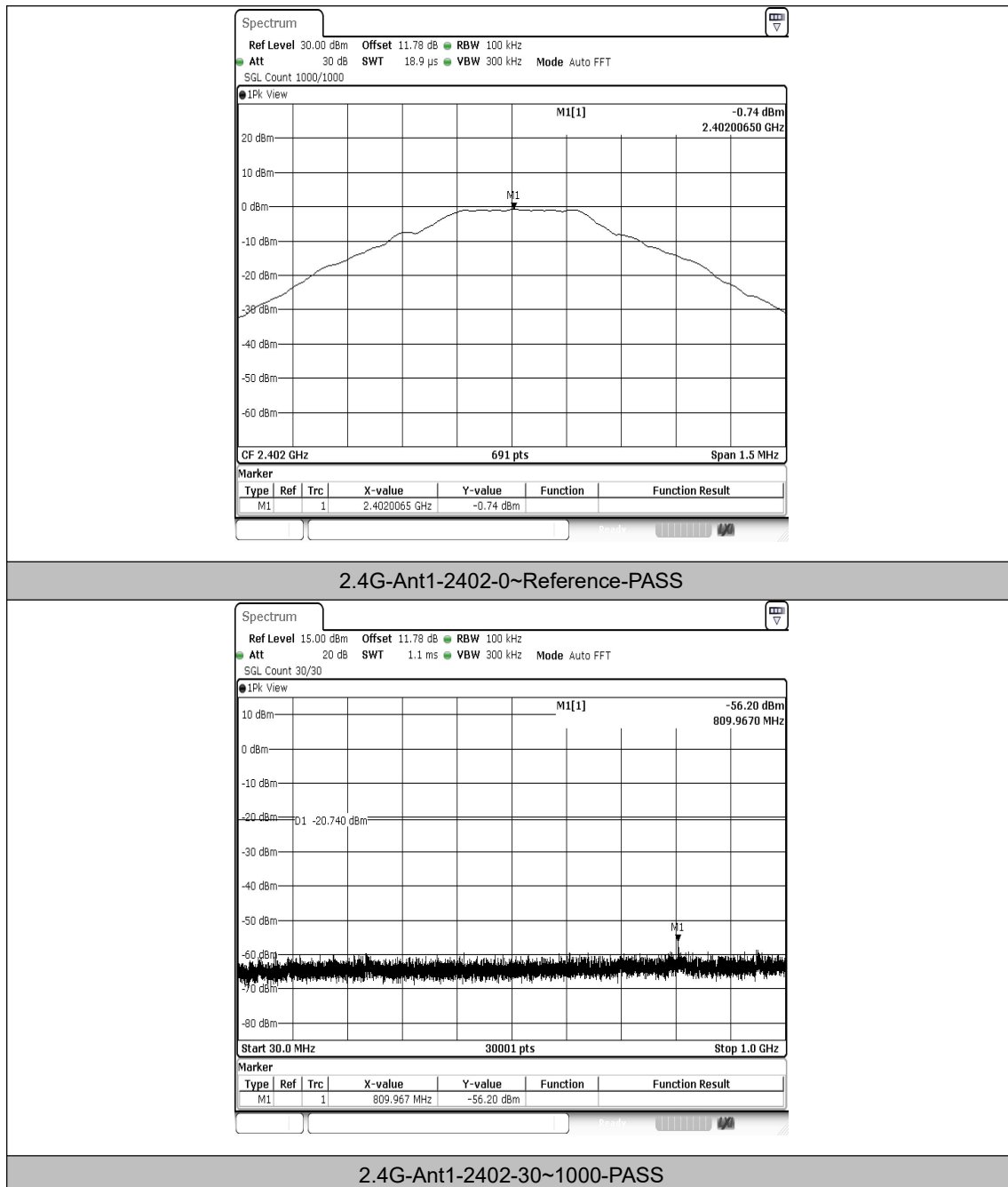
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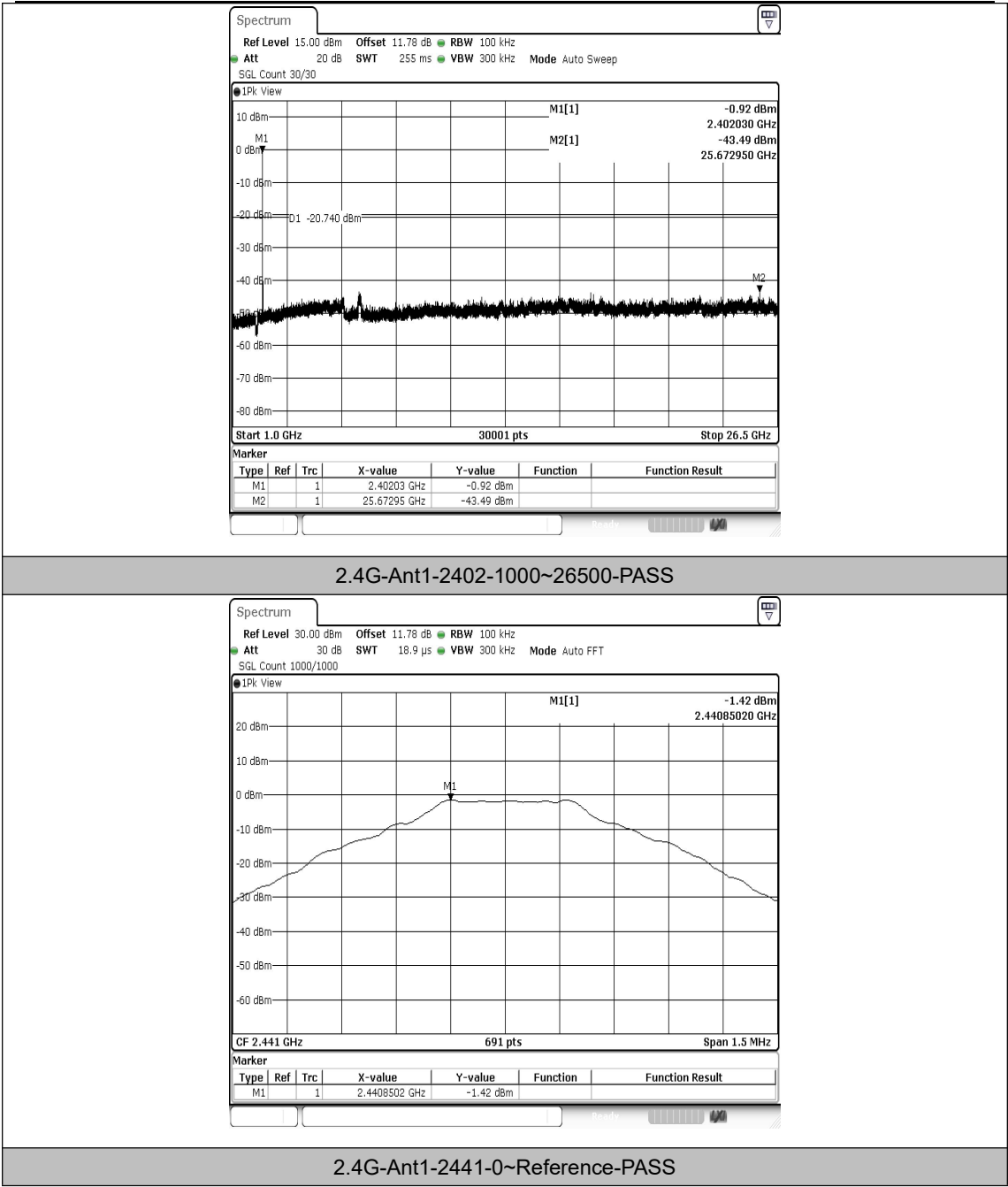
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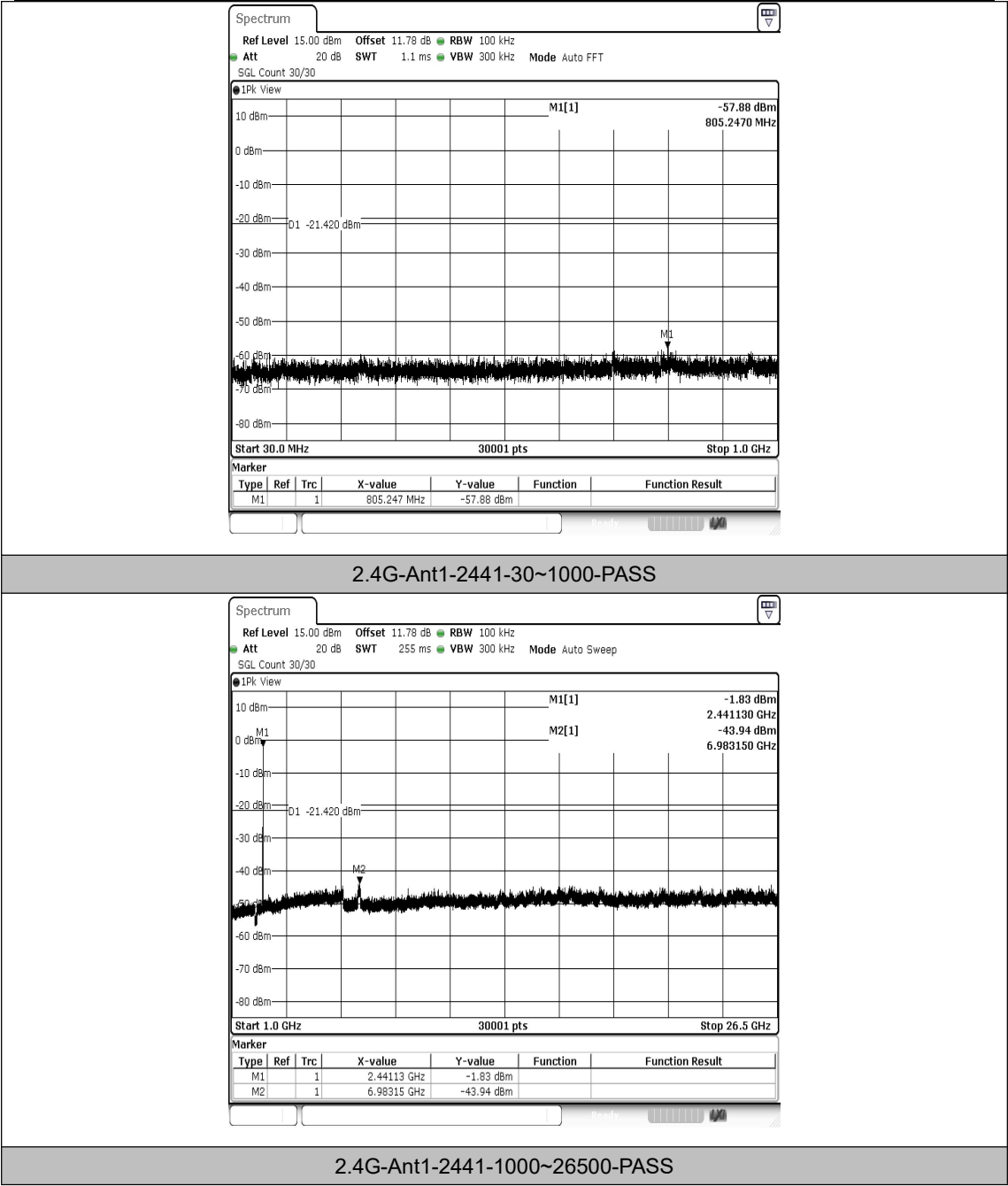
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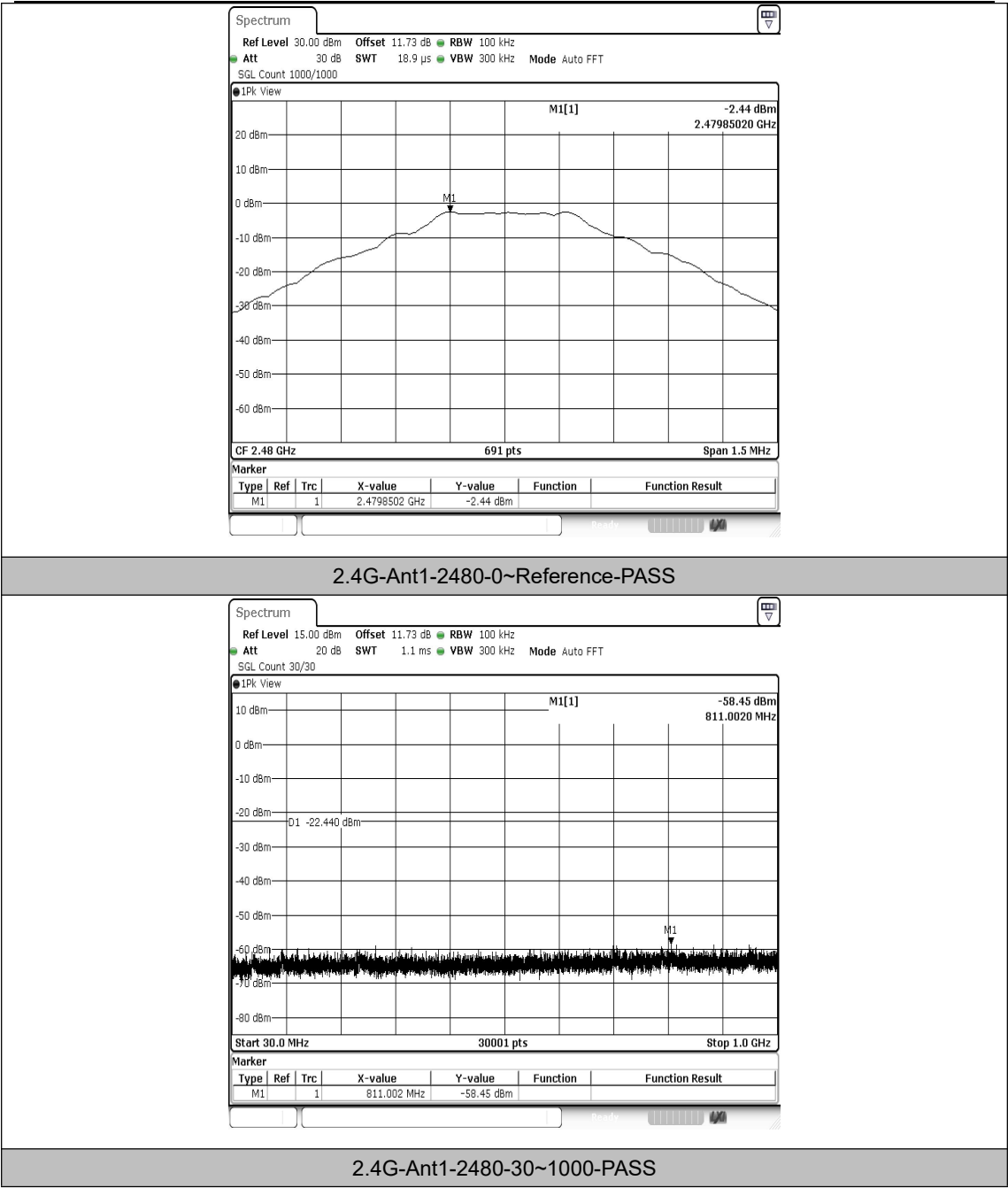


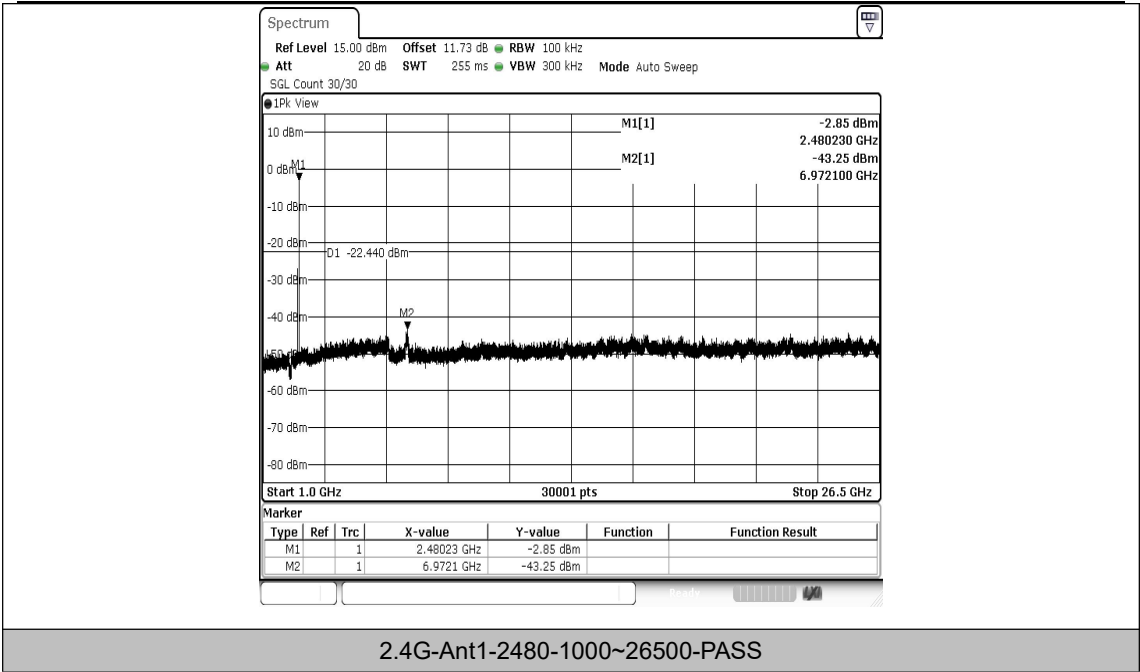
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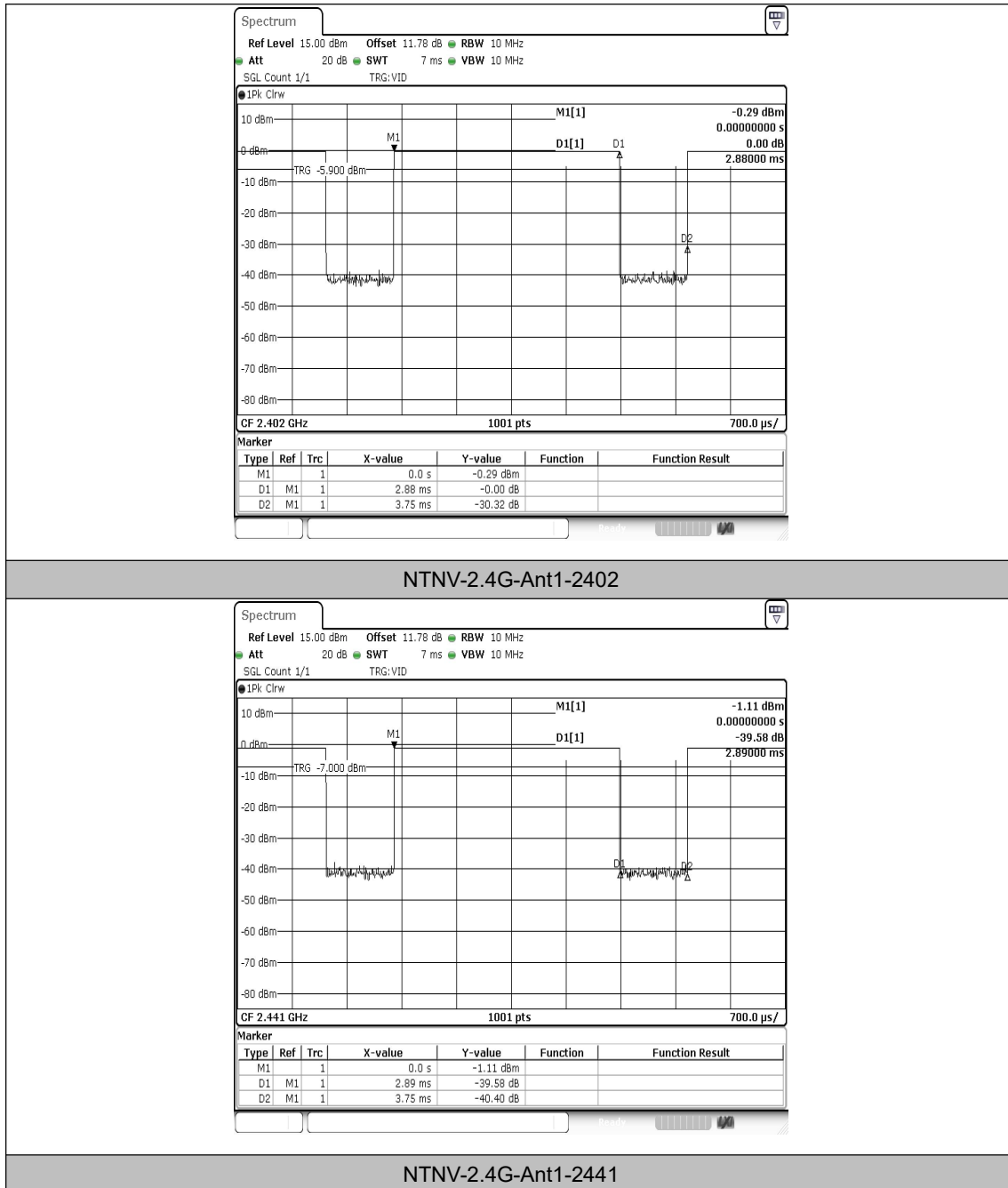
Appendix I: Duty Cycle

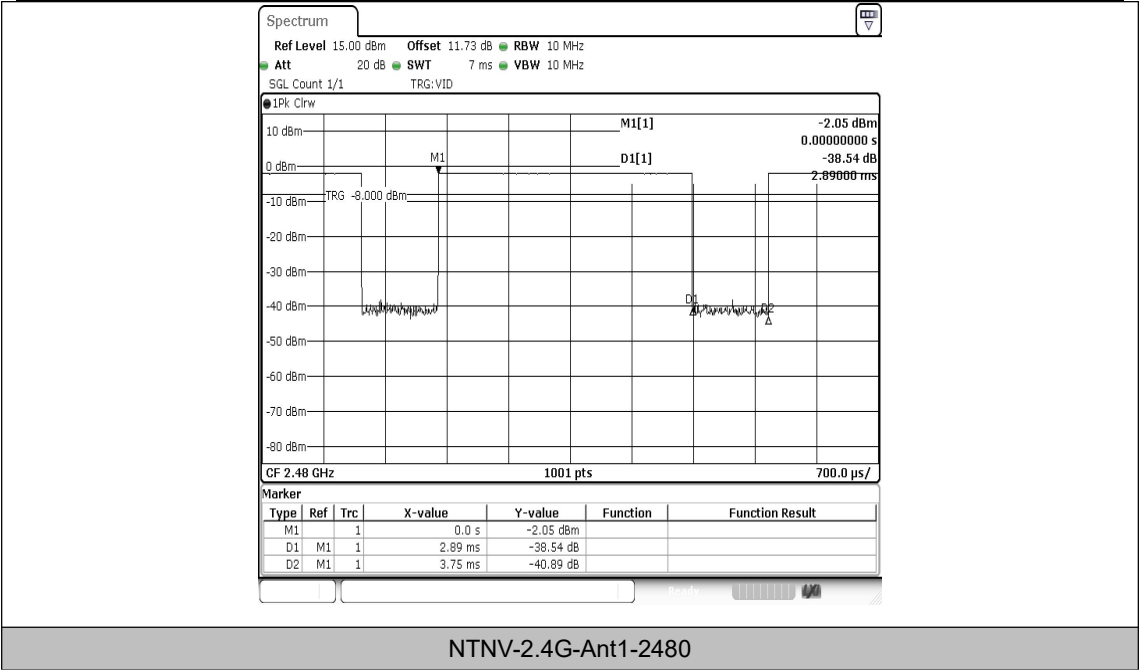
Test Result

TestMode	Antenn a	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	3.75	76.80	1.15
2.4G	Ant1	2441	2.89	3.75	77.07	1.13
2.4G	Ant1	2480	2.89	3.75	77.07	1.13



Test Graphs





---END---

