

Appendix Test Data

Report No:	1813C40143812502	Test Sample NO:	1-2-2
Start Test Date:	2024.11.5	Finish Test Date:	2024.11.5
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.5°C	Relative Humidity:	57%
Pressure:	101 kPa		

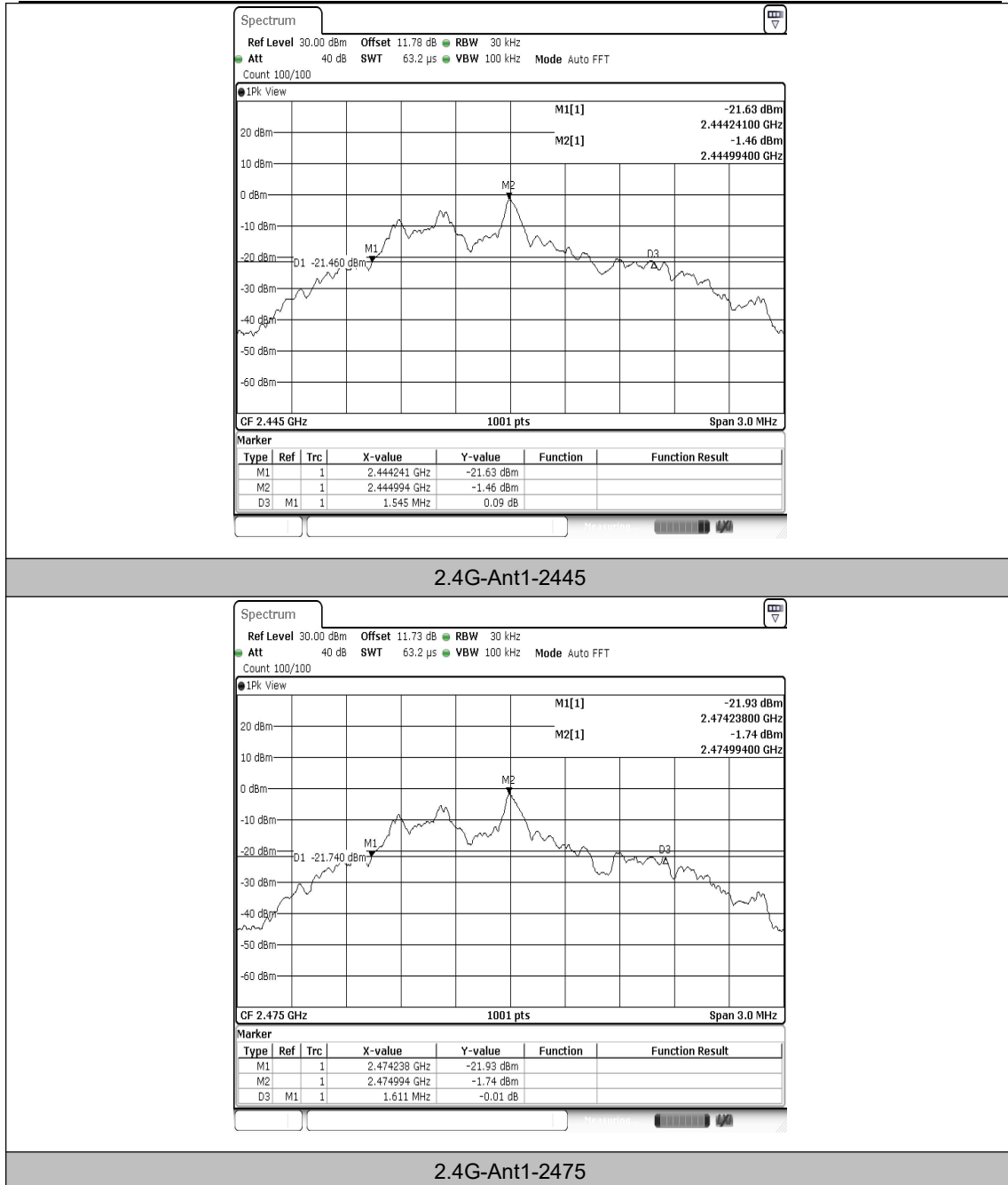
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.37	2404.25	2405.61	---	---
2.4G	Ant1	2445	1.55	2444.24	2445.79	---	---
2.4G	Ant1	2475	1.61	2474.24	2475.85	---	---

Test Graphs



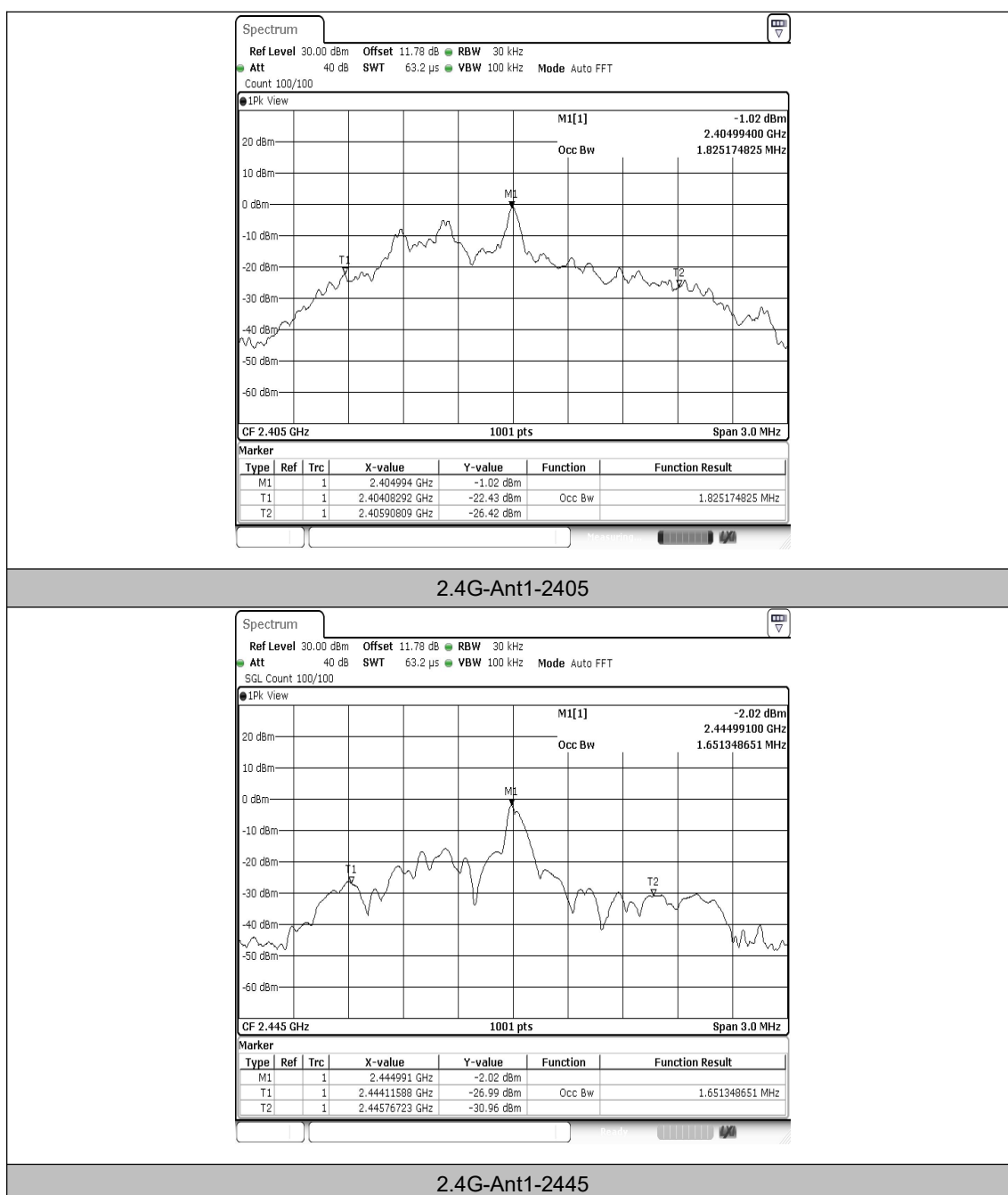


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.825	2404.0829	2405.9081	---	---
2.4G	Ant1	2445	1.651	2444.1159	2445.7672	---	---
2.4G	Ant1	2475	1.972	2474.0200	2475.9920	---	---

Test Graphs





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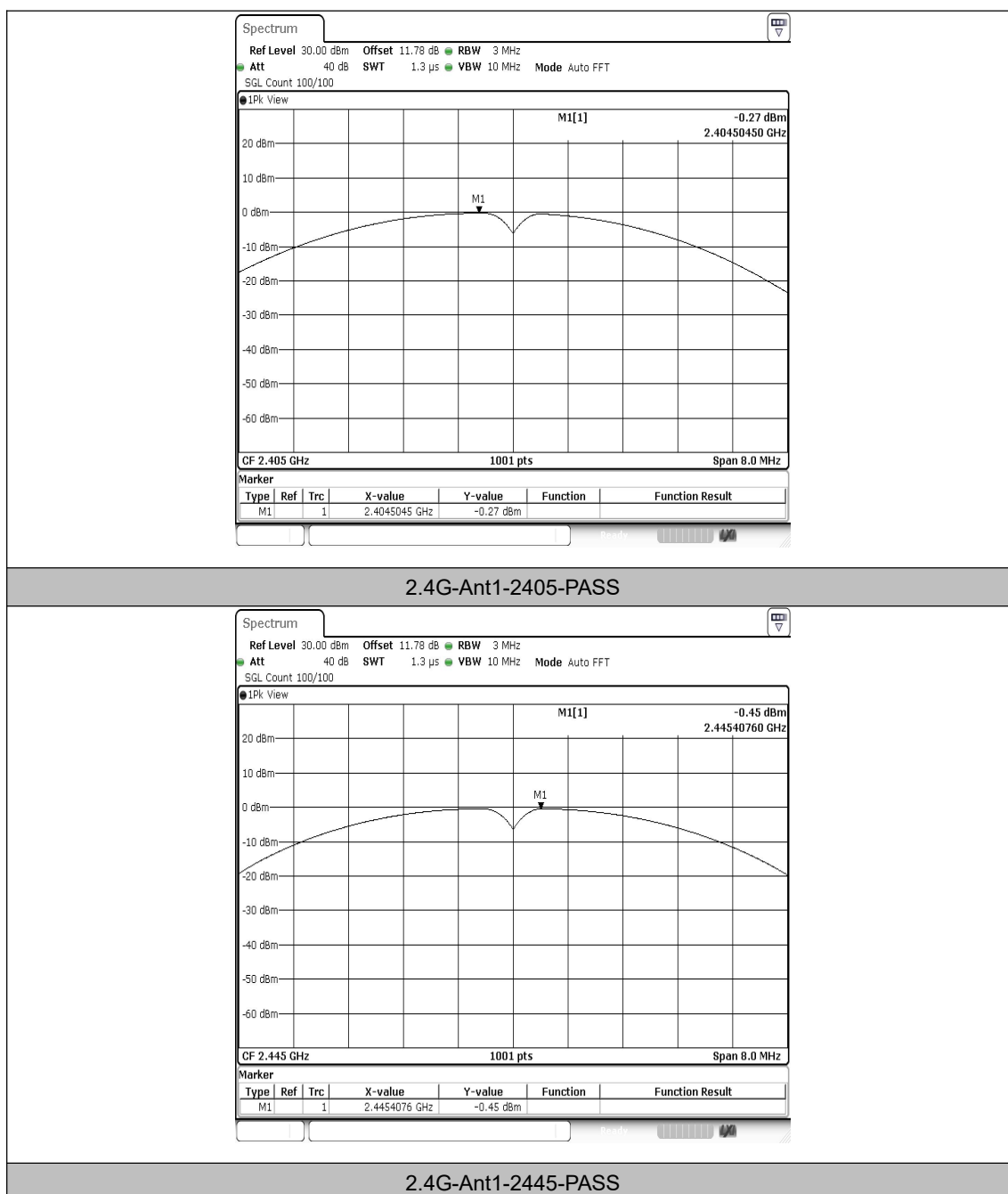


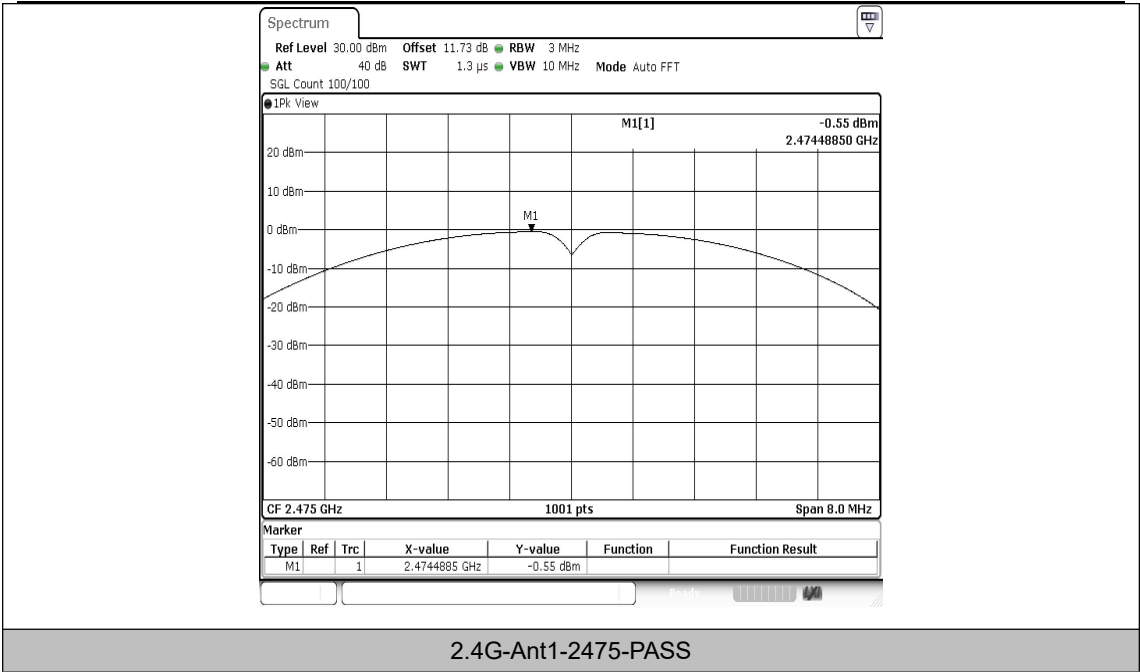
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-0.27	≤30	PASS
2.4G	Ant1	2445	-0.45	≤30	PASS
2.4G	Ant1	2475	-0.55	≤30	PASS

Test Graphs





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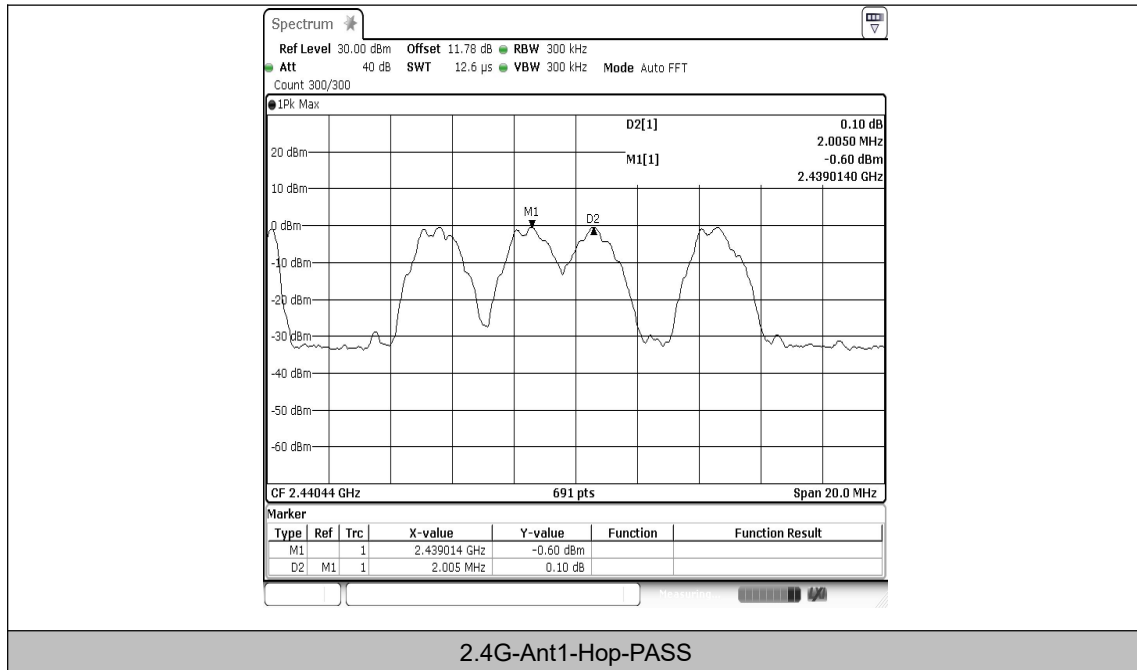


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.005	≥1.074	PASS

Test Graphs

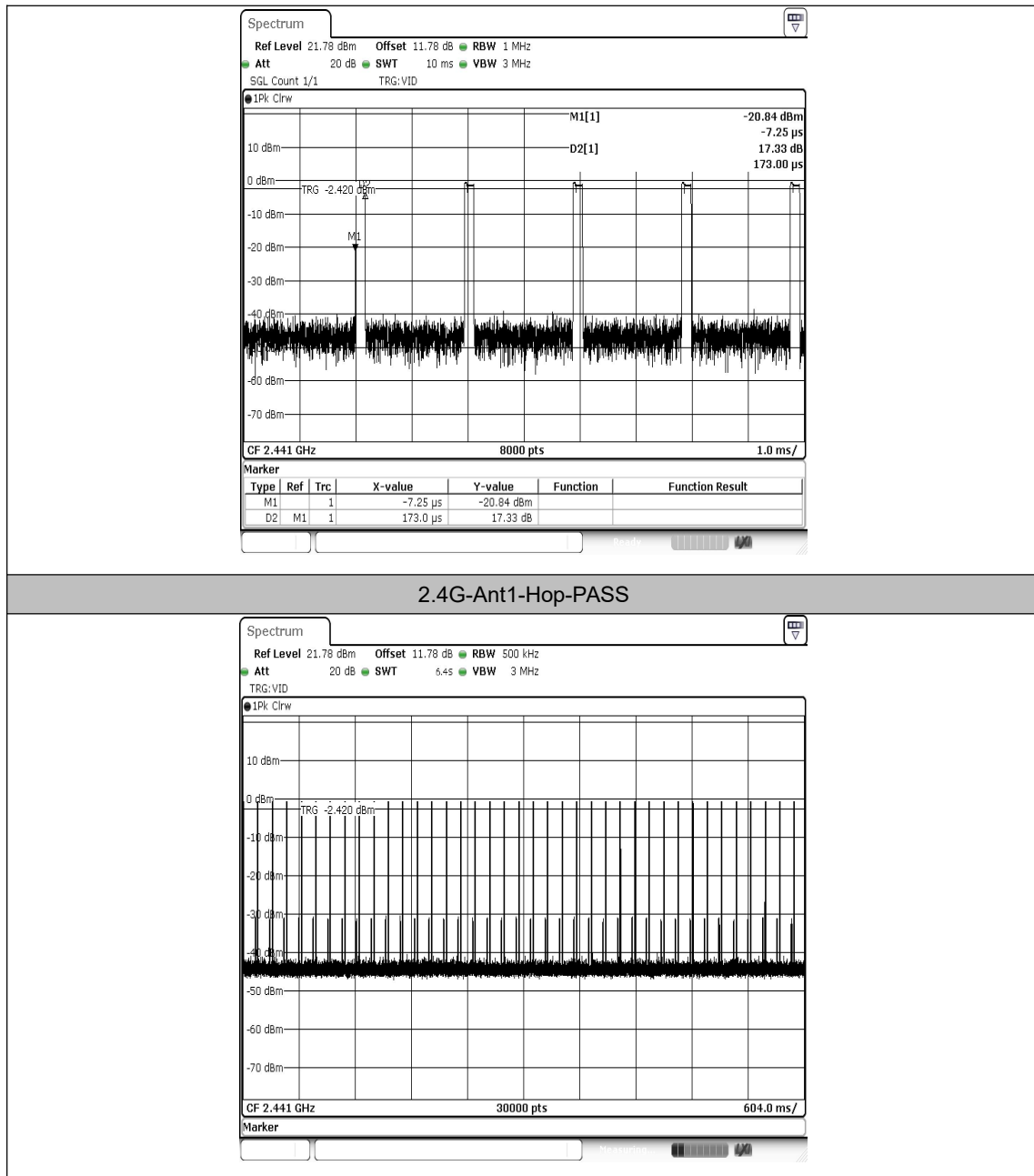


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.173	195	0.034	≤0.4	PASS

Test Graphs

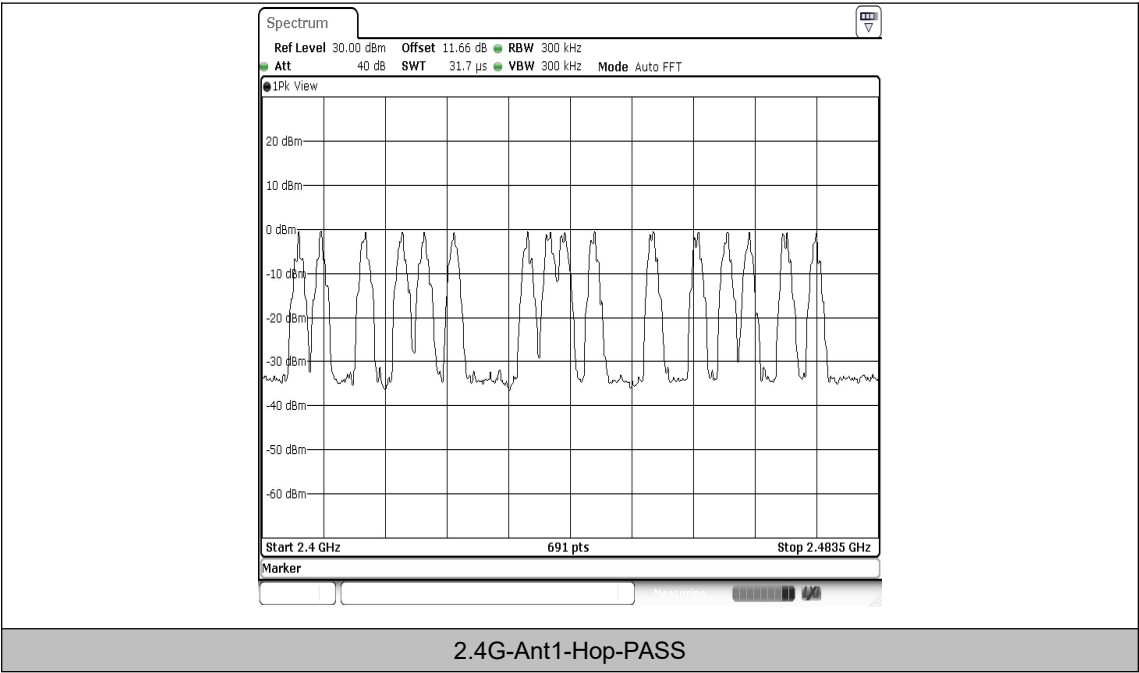


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	-0.31	-45.77	≤-20.31	PASS
2.4G	Ant1	High	2475	-0.74	-43.06	≤-20.74	PASS
2.4G	Ant1	Low	Hop_2405	-0.51	-46.62	≤-20.51	PASS
2.4G	Ant1	High	Hop_2475	-0.78	-45.69	≤-20.78	PASS

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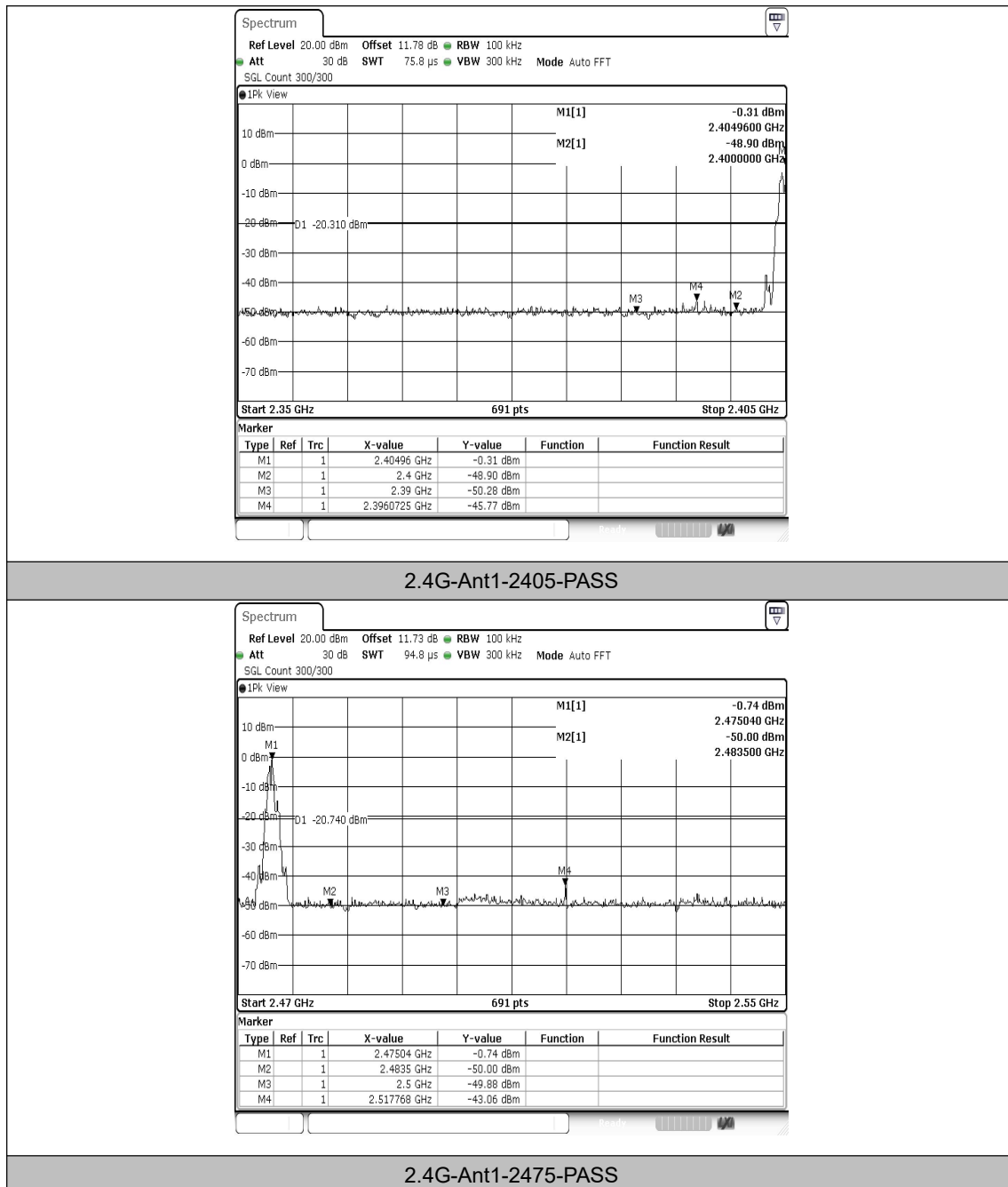
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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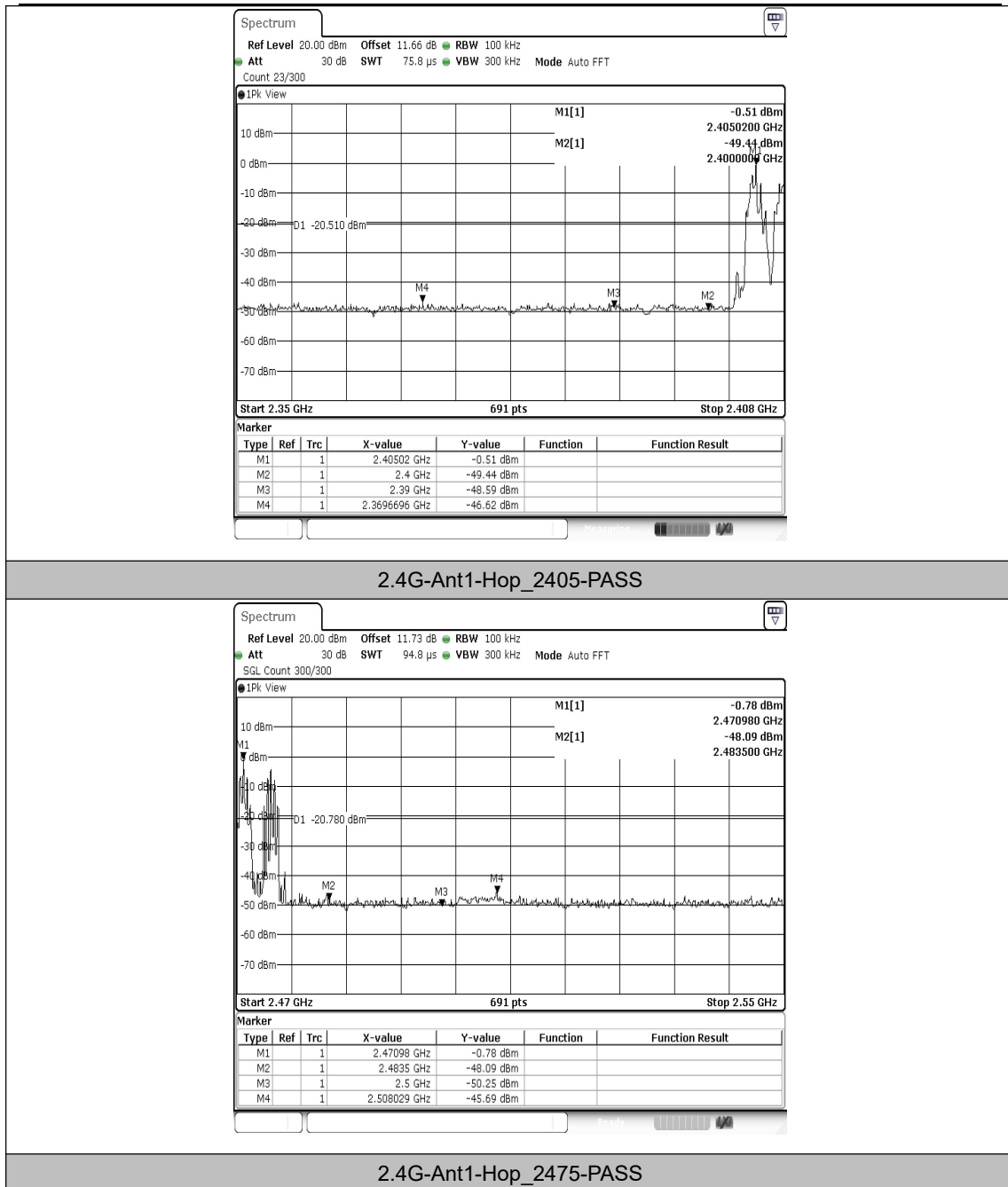


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Test Graphs



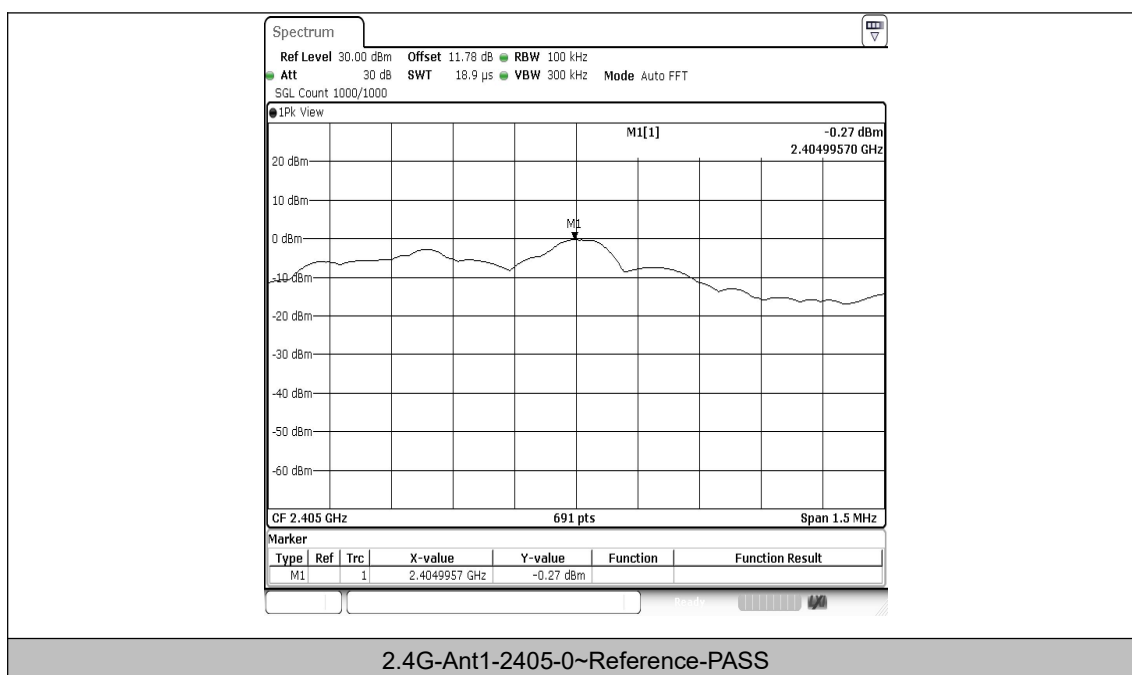


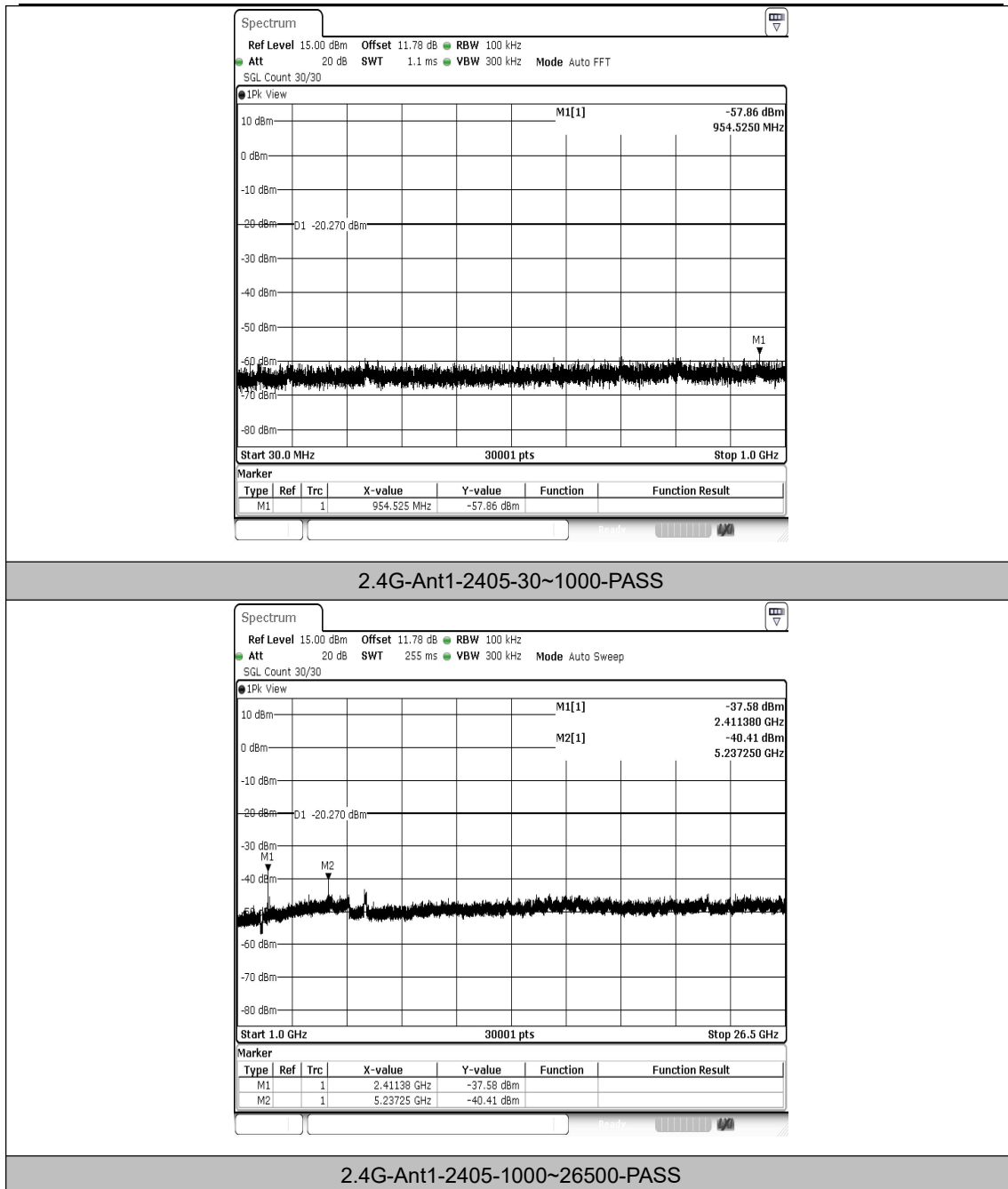
Appendix H: Conducted Spurious Emission

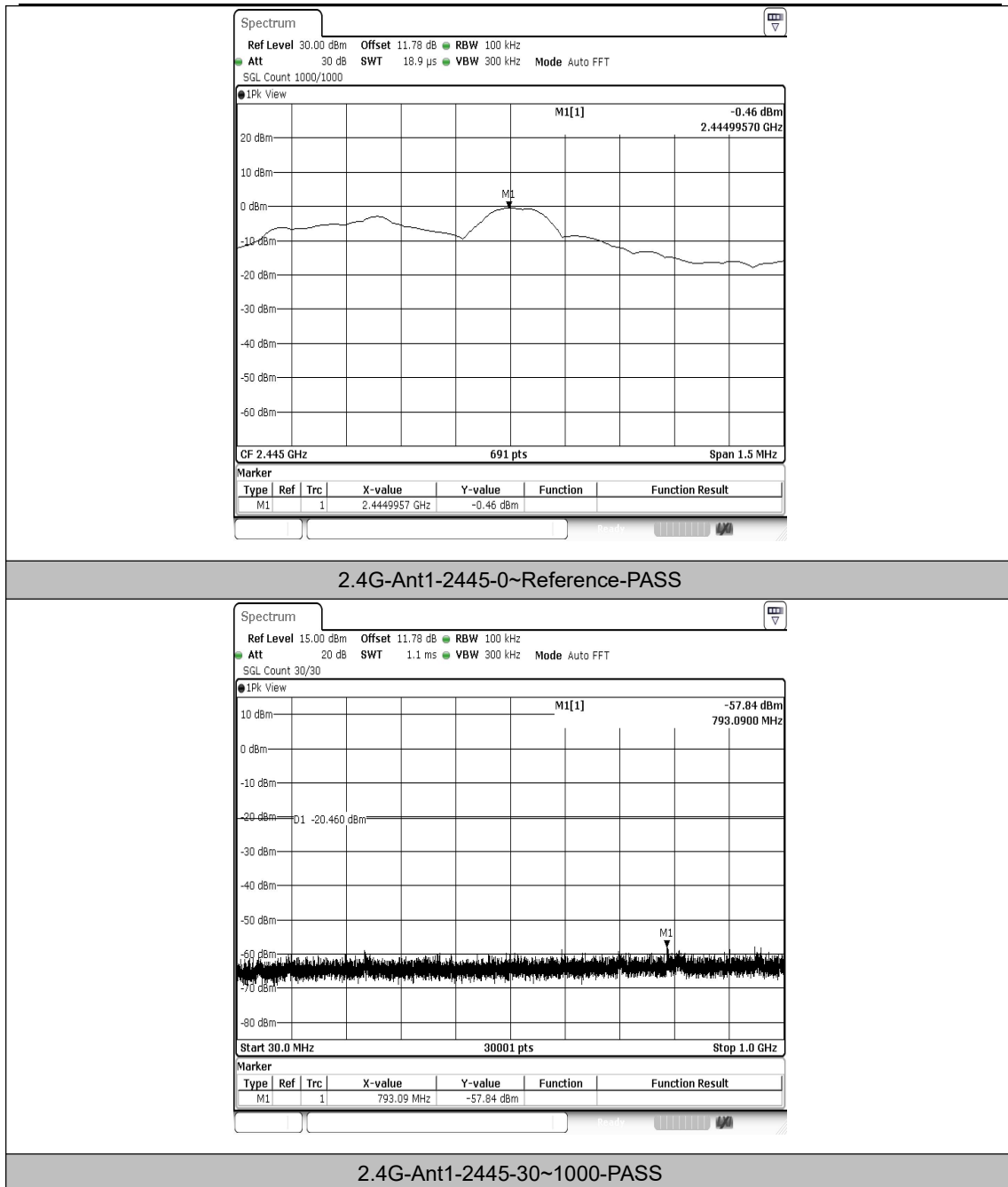
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-0.27	-0.27	---	PASS
2.4G	Ant1	2405	30~1000	-0.27	-57.86	≤-20.27	PASS
2.4G	Ant1	2405	1000~26500	-0.27	-40.41	≤-20.27	PASS
2.4G	Ant1	2445	0~Reference	-0.46	-0.46	---	PASS
2.4G	Ant1	2445	30~1000	-0.46	-57.84	≤-20.46	PASS
2.4G	Ant1	2445	1000~26500	-0.46	-40.53	≤-20.46	PASS
2.4G	Ant1	2475	0~Reference	-0.74	-0.74	---	PASS
2.4G	Ant1	2475	30~1000	-0.74	-57.36	≤-20.74	PASS
2.4G	Ant1	2475	1000~26500	-0.74	-43.06	≤-20.74	PASS

Test Graphs







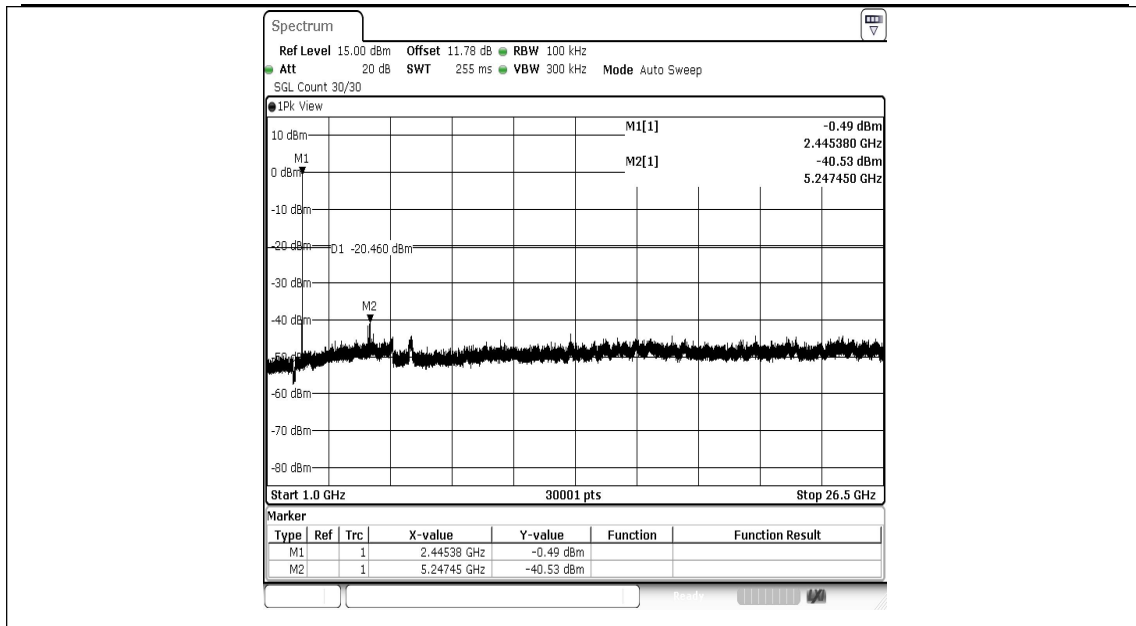
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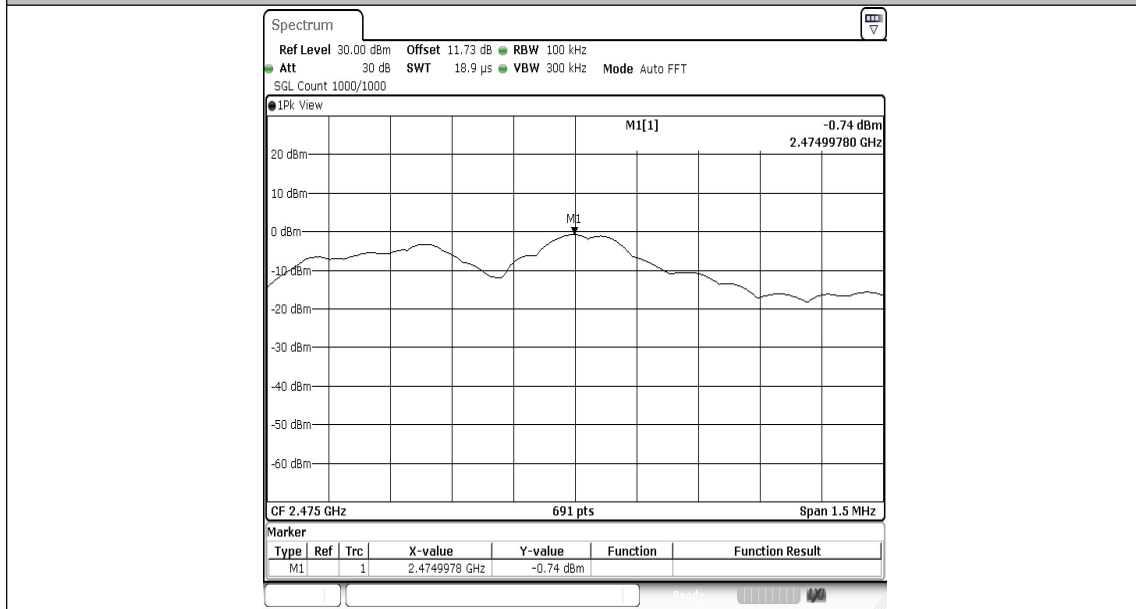


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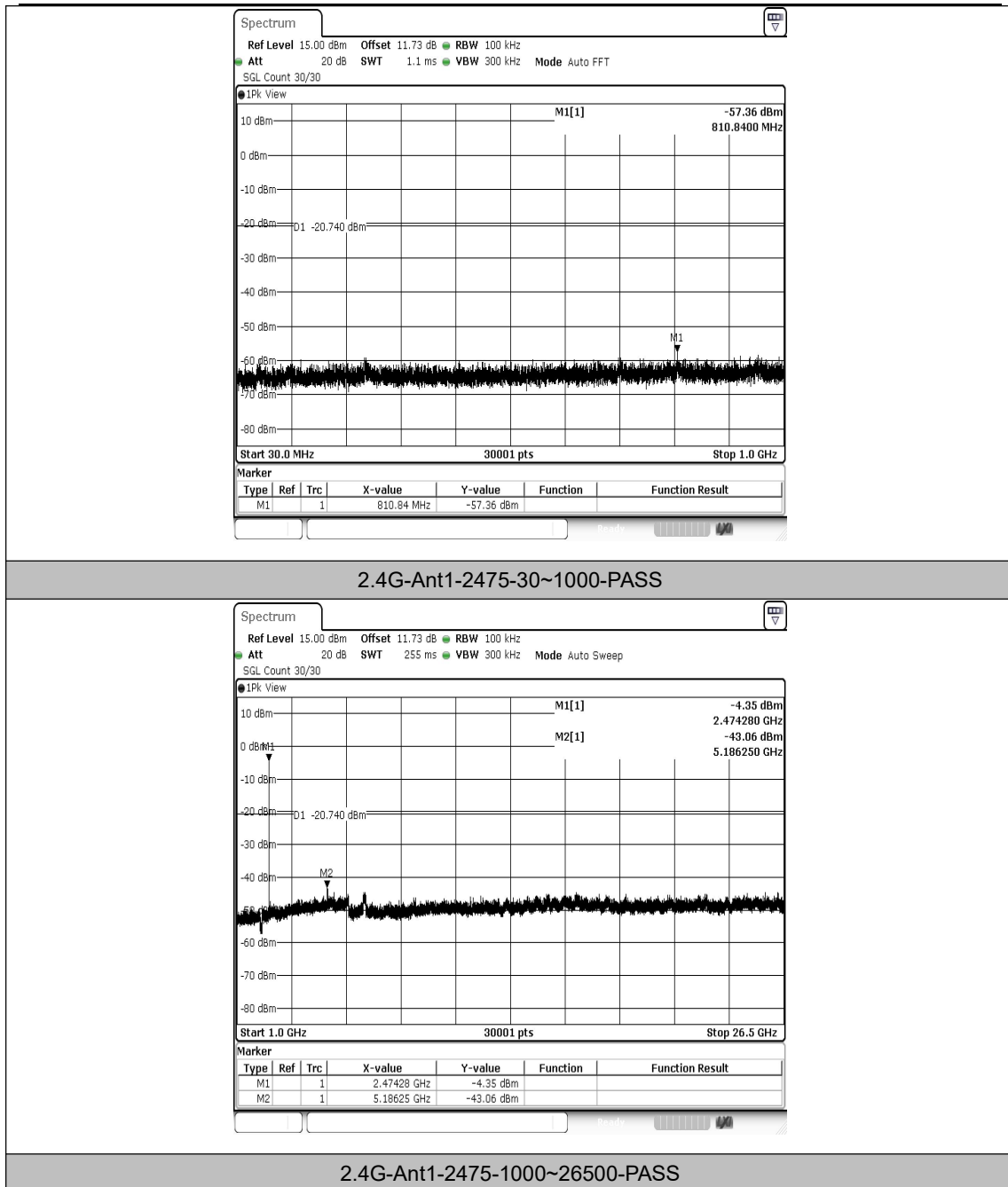


2.4G-Ant1-2445-1000~26500-PASS



2.4G-Ant1-2475-0~Reference-PASS



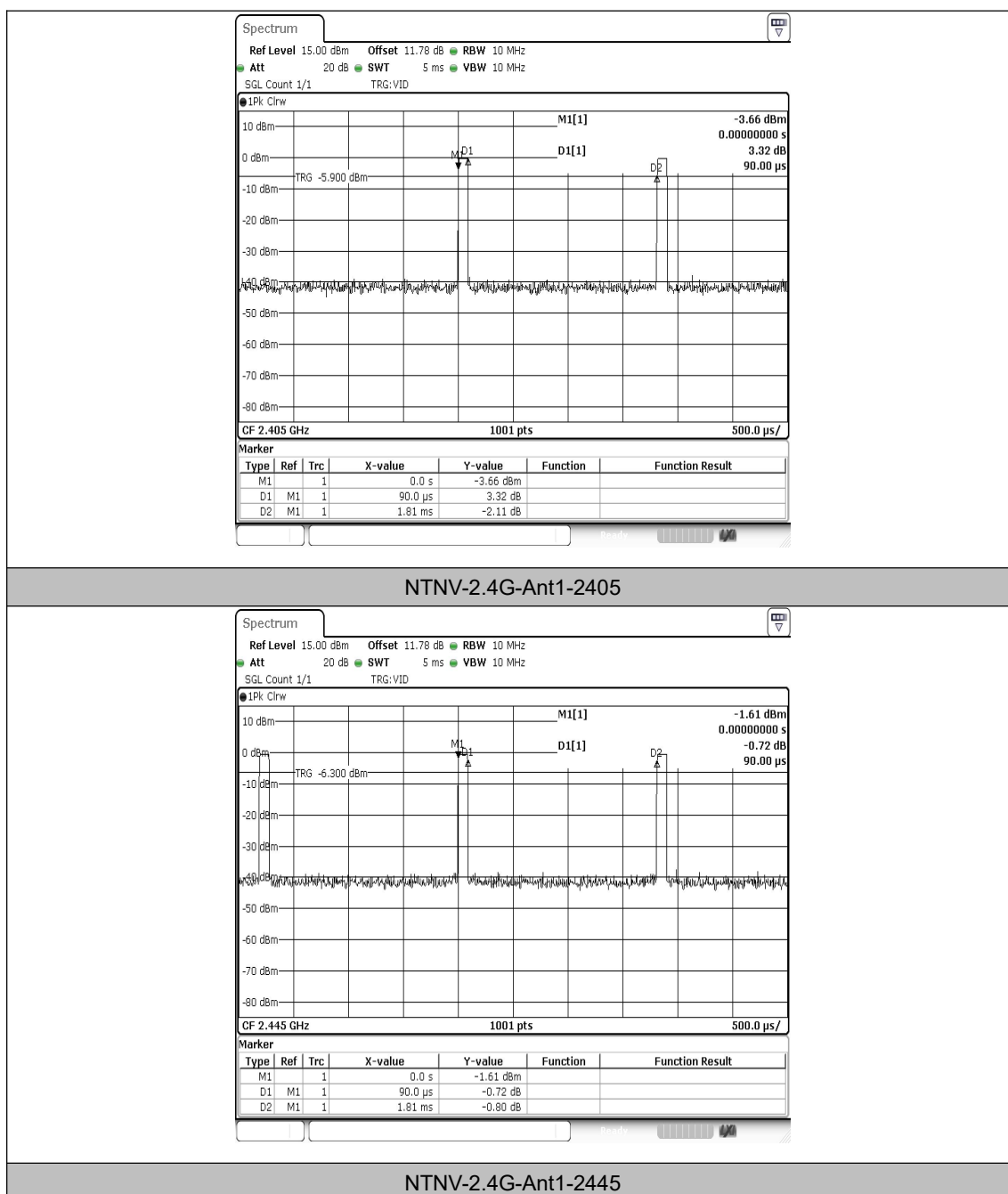


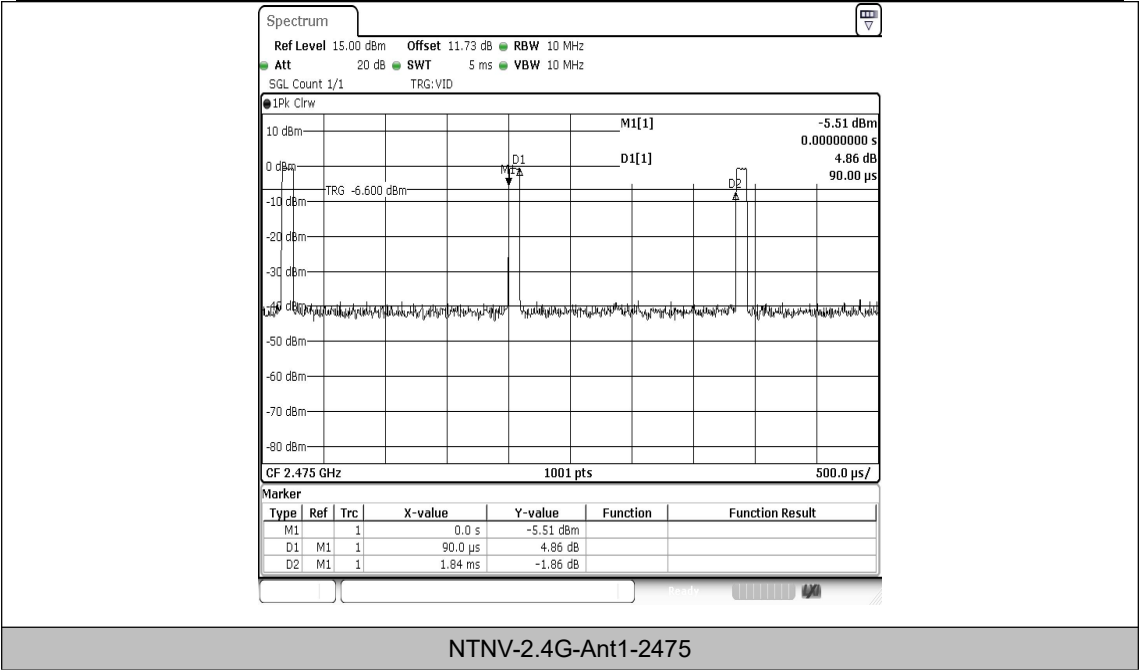
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.09	1.81	4.97	13.04
2.4G	Ant1	2445	0.09	1.81	4.97	13.04
2.4G	Ant1	2475	0.09	1.84	4.89	13.11

Test Graphs





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