

Appendix Test Data

Report No.:	1819C40078212501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.8	Finish Test Date:	2024.11.12
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.1℃	Relative Humidity:	54%
Pressure:	101kPa		

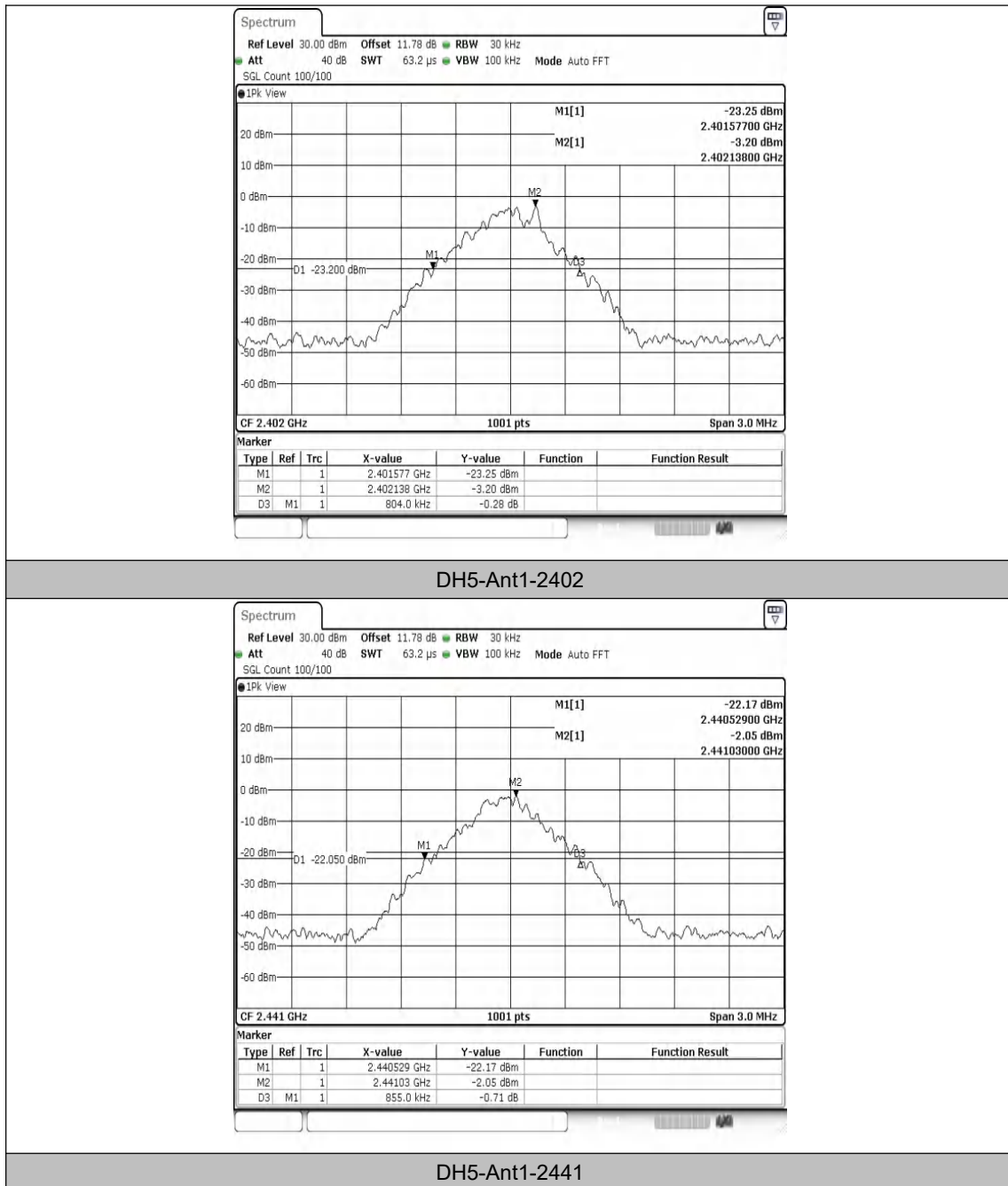
Appendix A: 20dB Bandwidth

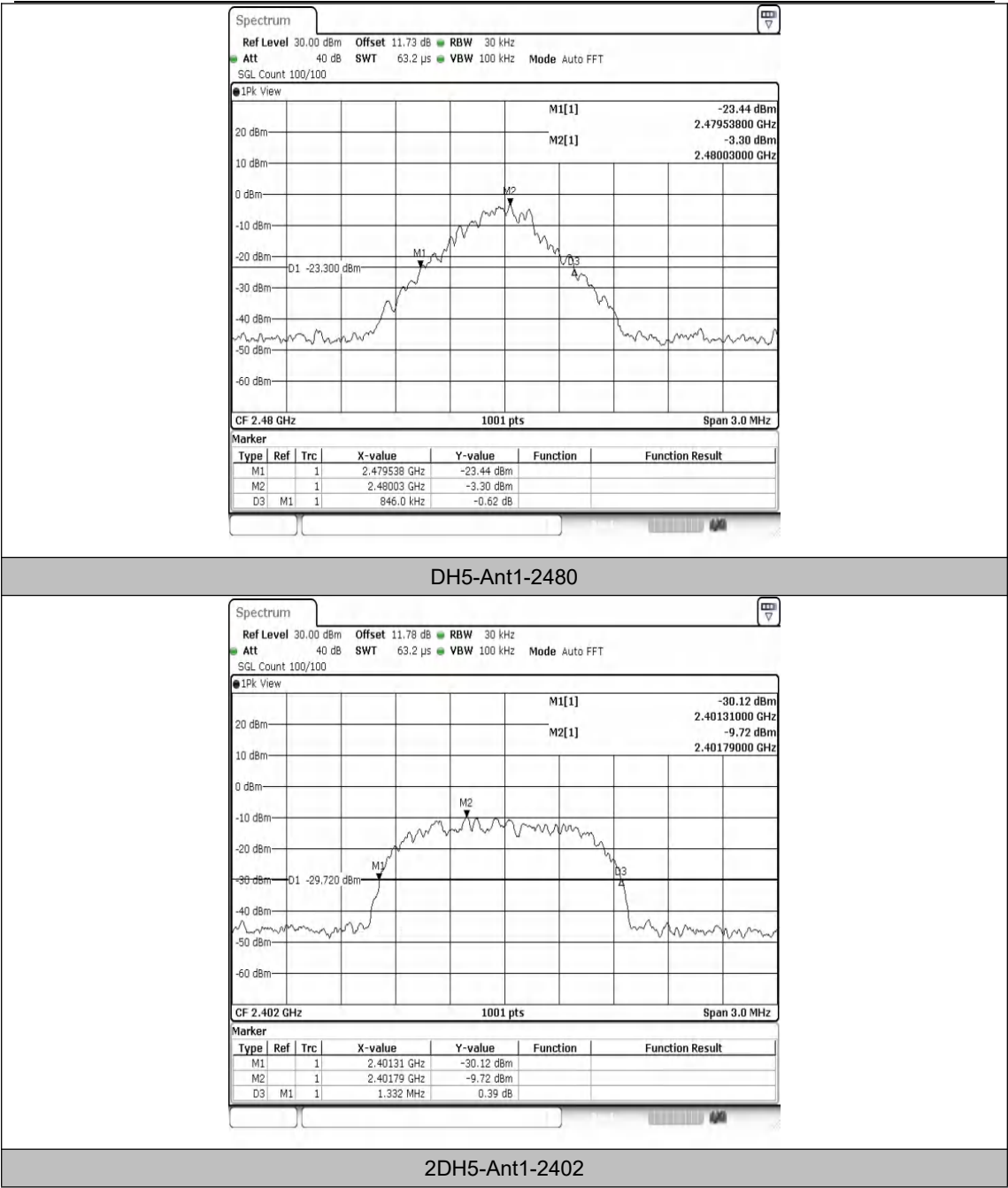
Test Result

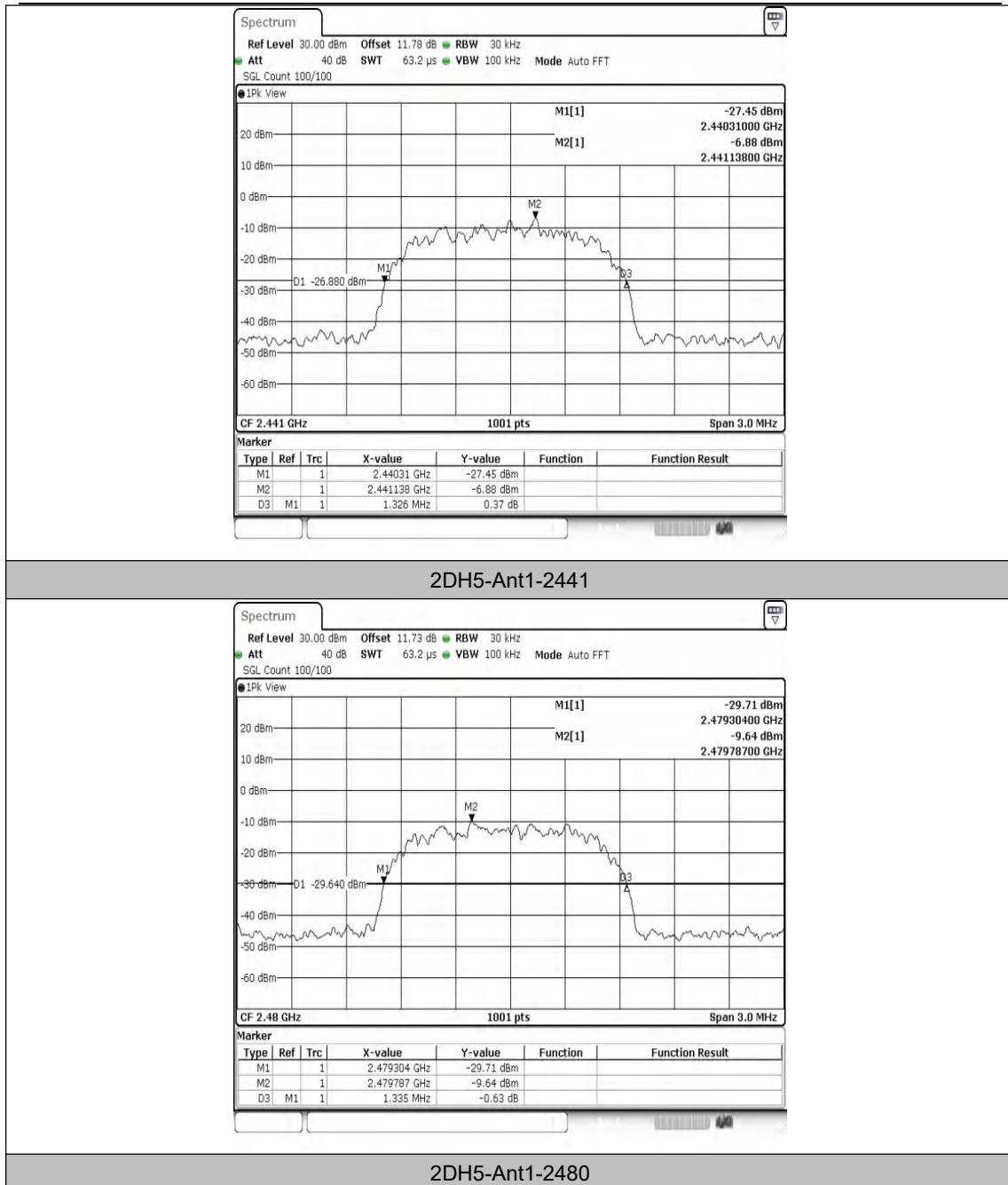
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.80	2401.58	2402.38	---	---
DH5	Ant1	2441	0.86	2440.53	2441.38	---	---
DH5	Ant1	2480	0.85	2479.54	2480.38	---	---
2DH5	Ant1	2402	1.33	2401.31	2402.64	---	---
2DH5	Ant1	2441	1.33	2440.31	2441.64	---	---
2DH5	Ant1	2480	1.34	2479.30	2480.64	---	---
3DH5	Ant1	2402	1.32	2401.32	2402.64	---	---
3DH5	Ant1	2441	1.33	2440.30	2441.63	---	---
3DH5	Ant1	2480	1.32	2479.31	2480.63	---	---

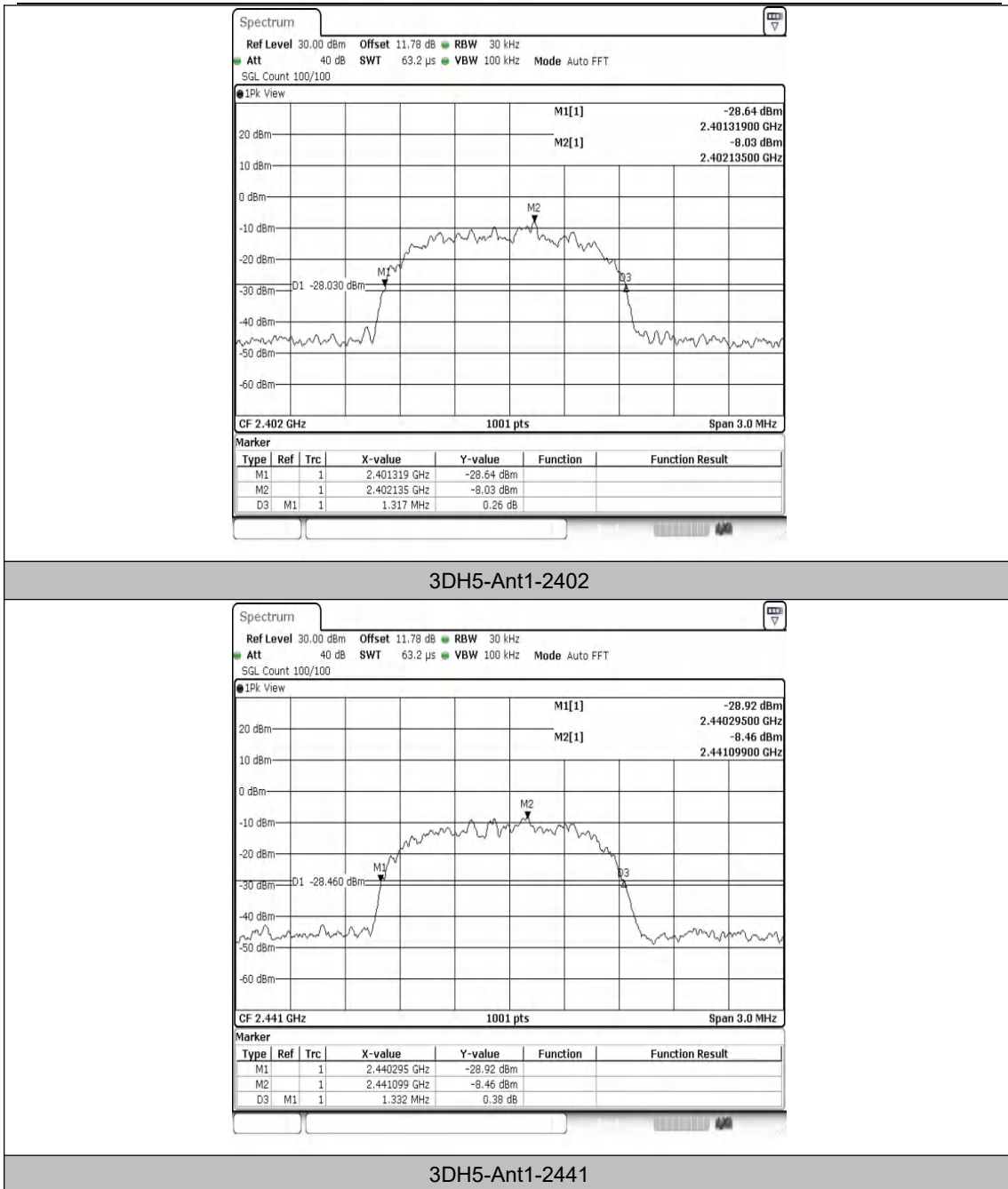


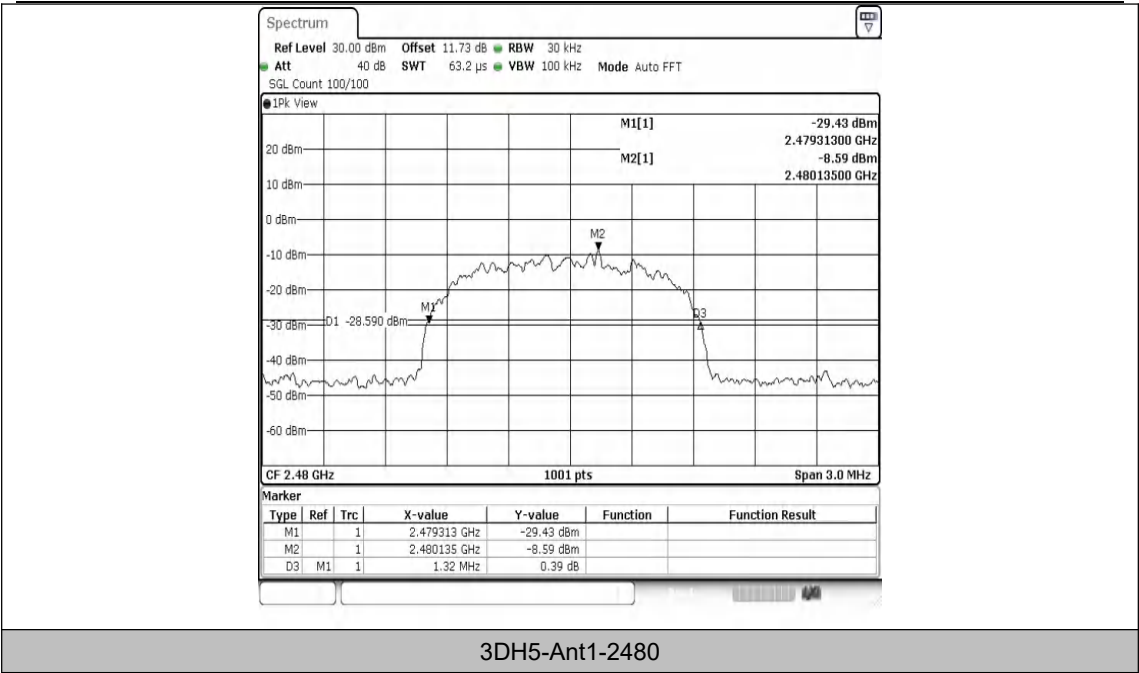
Test Graphs











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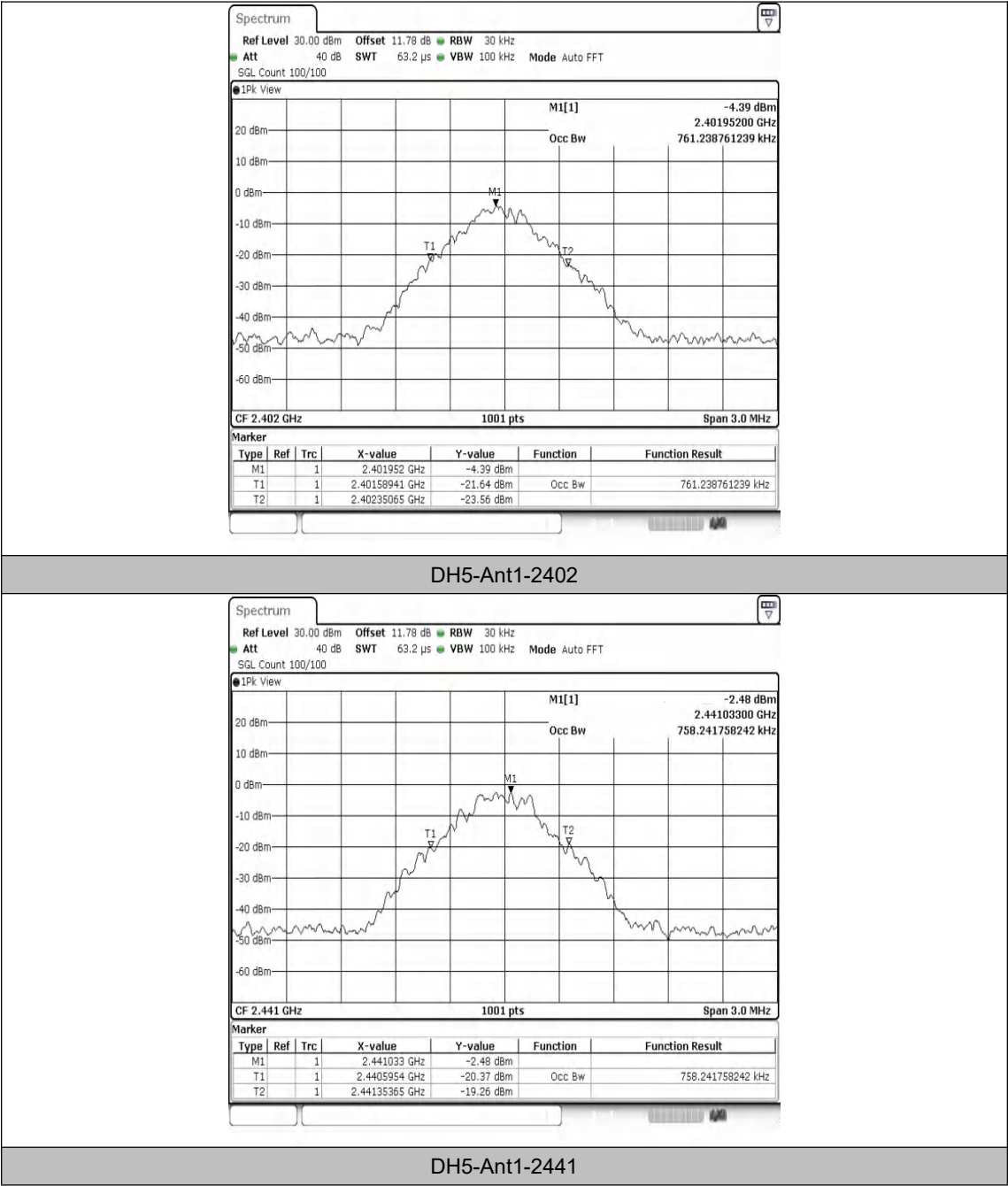
Appendix B: 99% Occupied Bandwidth

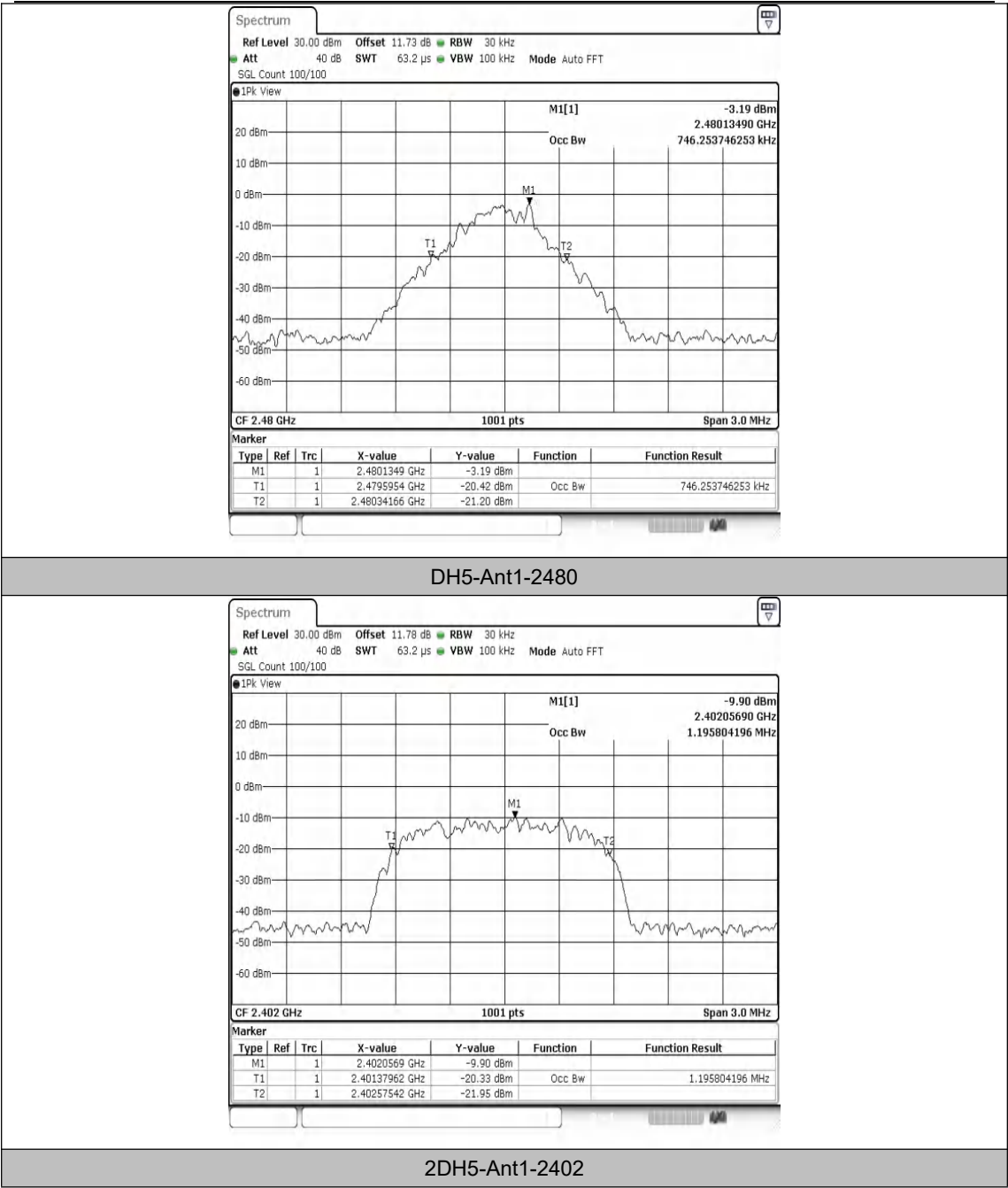
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.761	2401.5894	2402.3506	---	---
DH5	Ant1	2441	0.758	2440.5954	2441.3536	---	---
DH5	Ant1	2480	0.746	2479.5954	2480.3417	---	---
2DH5	Ant1	2402	1.196	2401.3796	2402.5754	---	---
2DH5	Ant1	2441	1.19	2440.3766	2441.5664	---	---
2DH5	Ant1	2480	1.208	2479.3676	2480.5754	---	---
3DH5	Ant1	2402	1.208	2401.3676	2402.5754	---	---
3DH5	Ant1	2441	1.19	2440.3676	2441.5574	---	---
3DH5	Ant1	2480	1.202	2479.3646	2480.5664	---	---



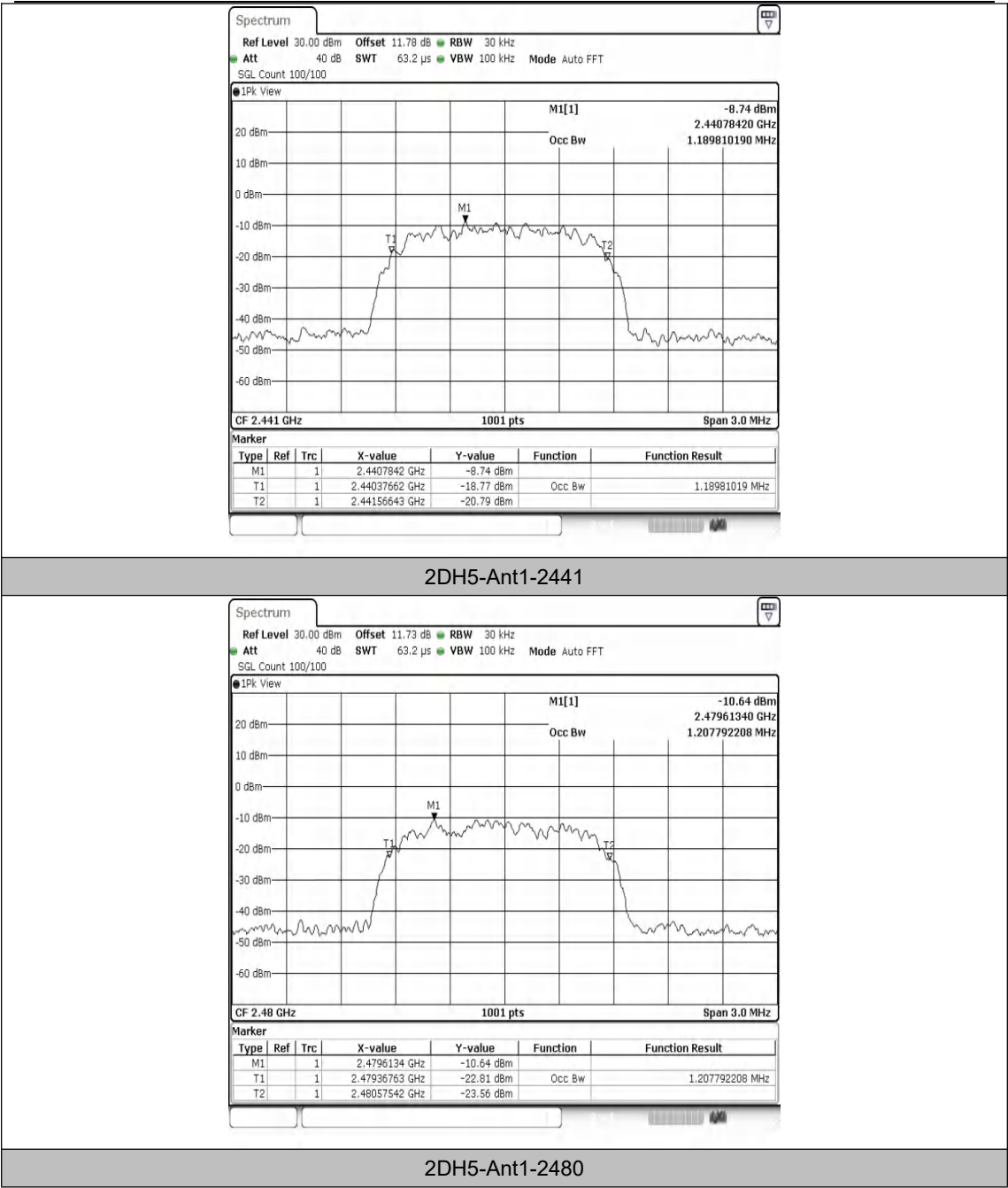
Test Graphs

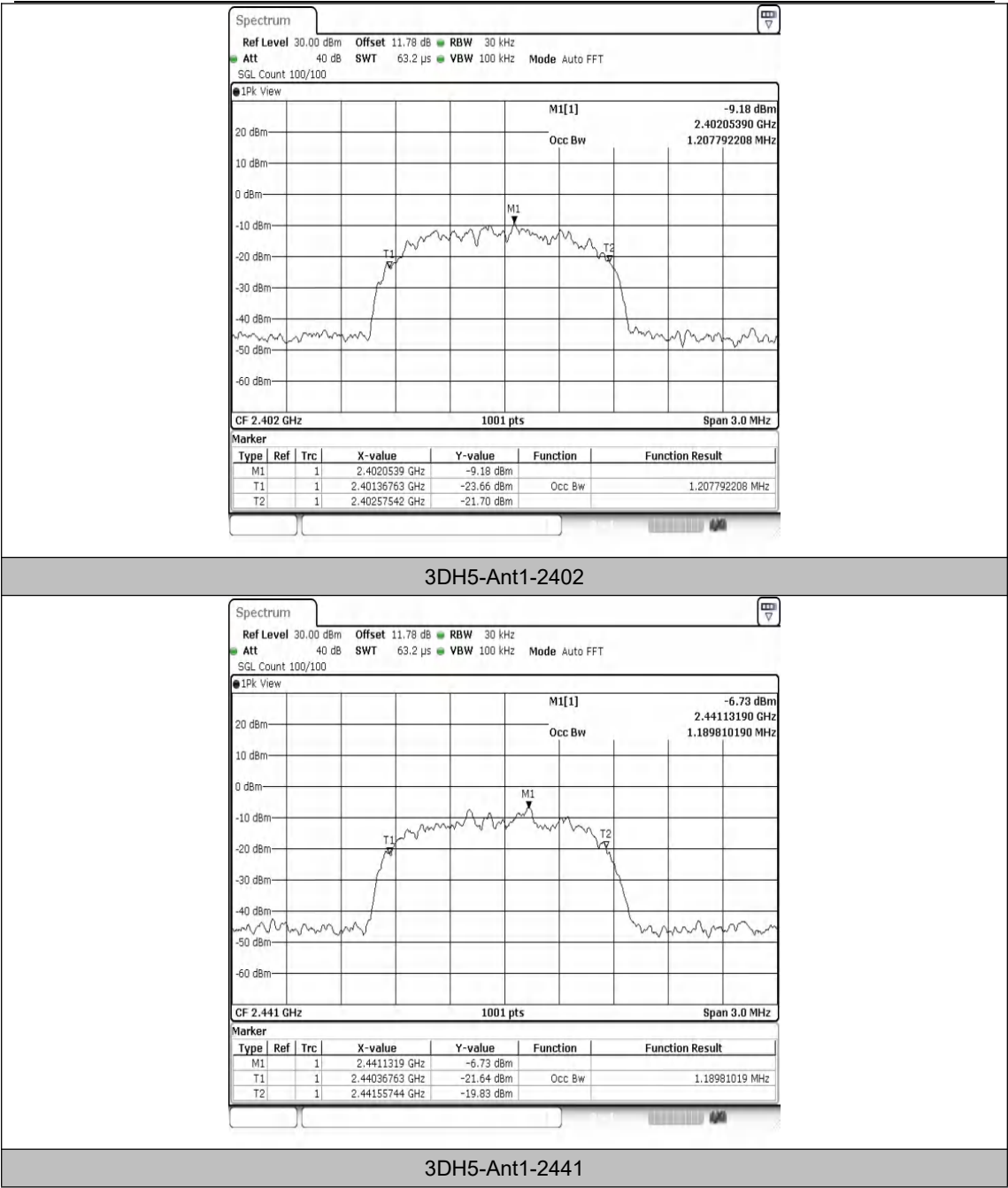


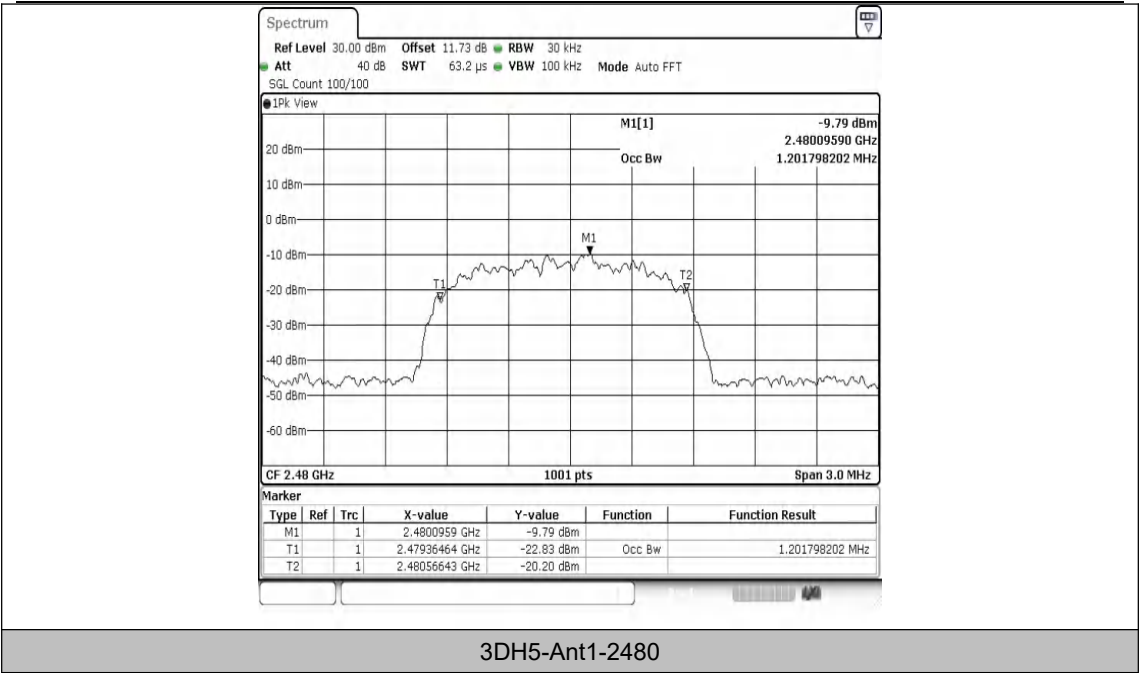


2DH5-Ant1-2402









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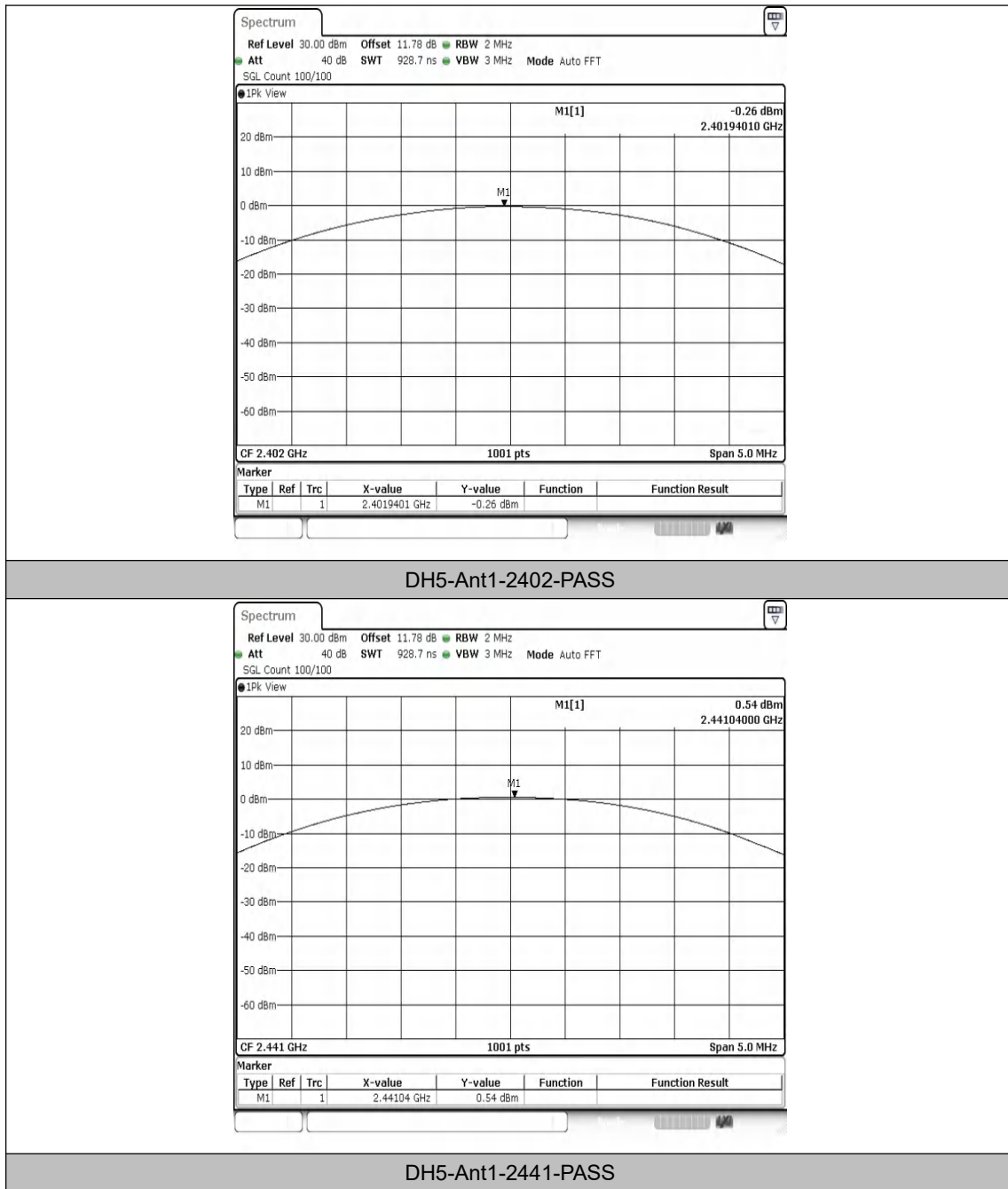
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.26	≤20.97	PASS
DH5	Ant1	2441	0.54	≤20.97	PASS
DH5	Ant1	2480	-0.73	≤20.97	PASS
2DH5	Ant1	2402	-1.55	≤20.97	PASS
2DH5	Ant1	2441	-0.60	≤20.97	PASS
2DH5	Ant1	2480	-2.62	≤20.97	PASS
3DH5	Ant1	2402	-1.96	≤20.97	PASS
3DH5	Ant1	2441	-0.14	≤20.97	PASS
3DH5	Ant1	2480	-1.62	≤20.97	PASS



Test Graphs

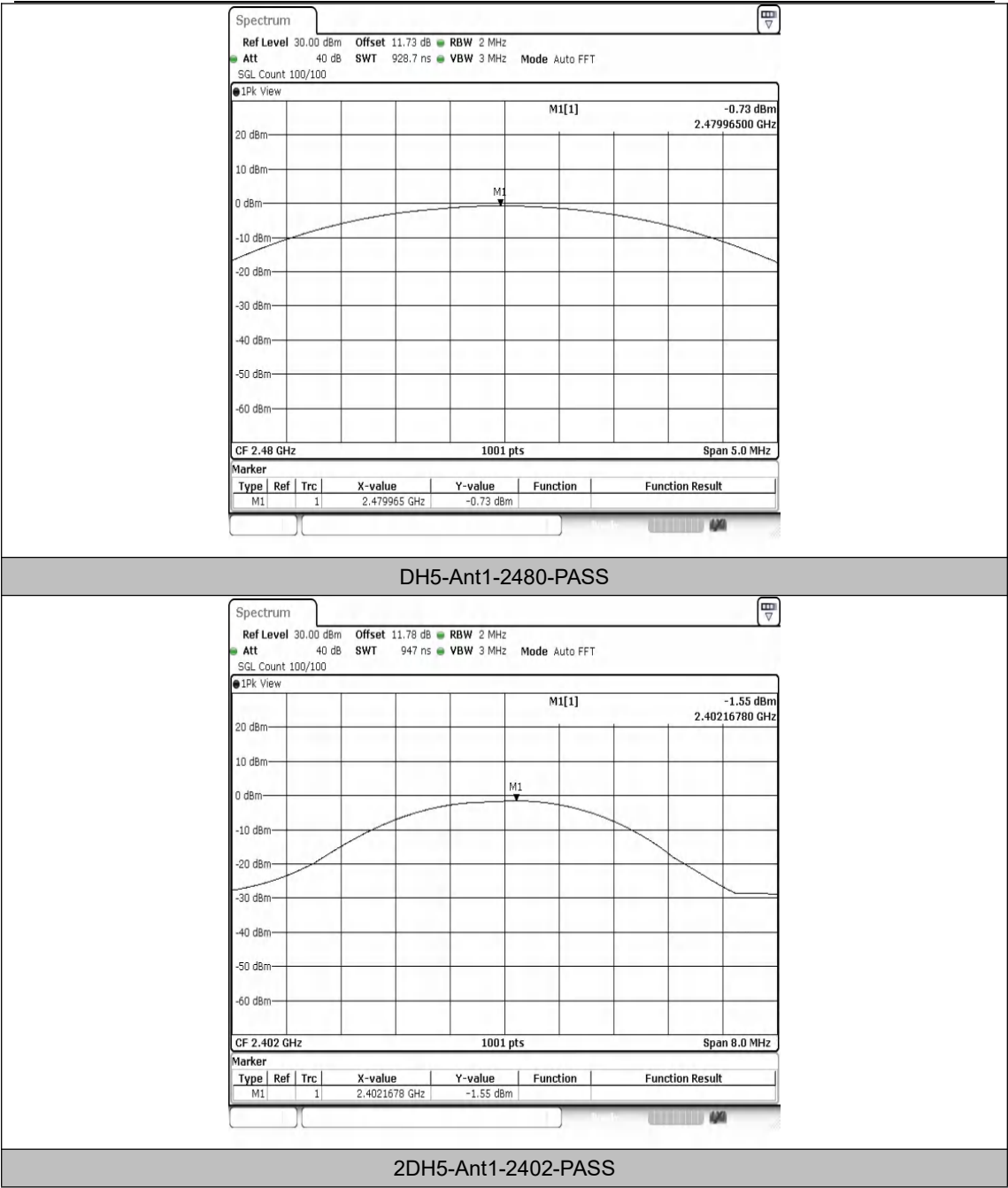


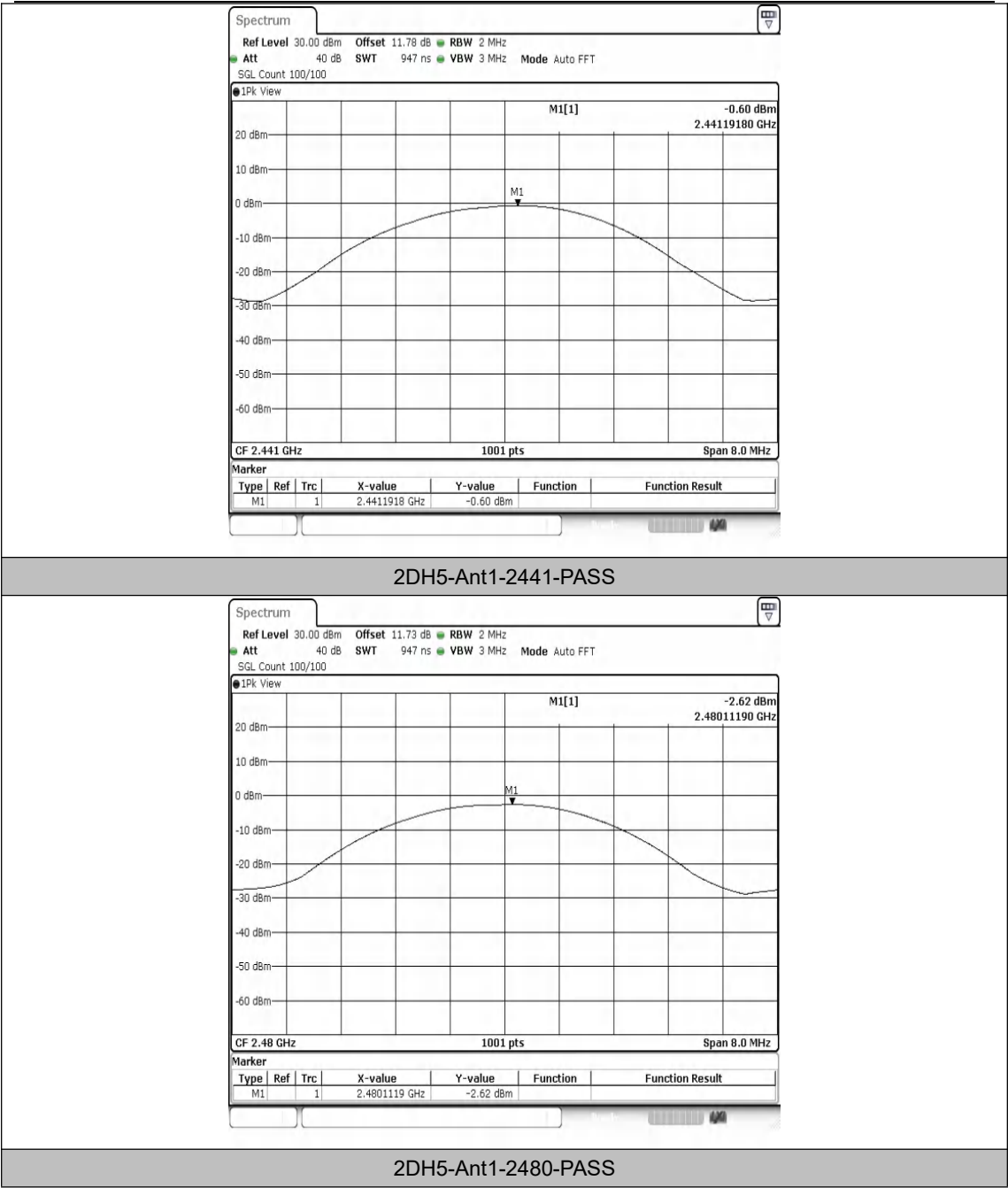
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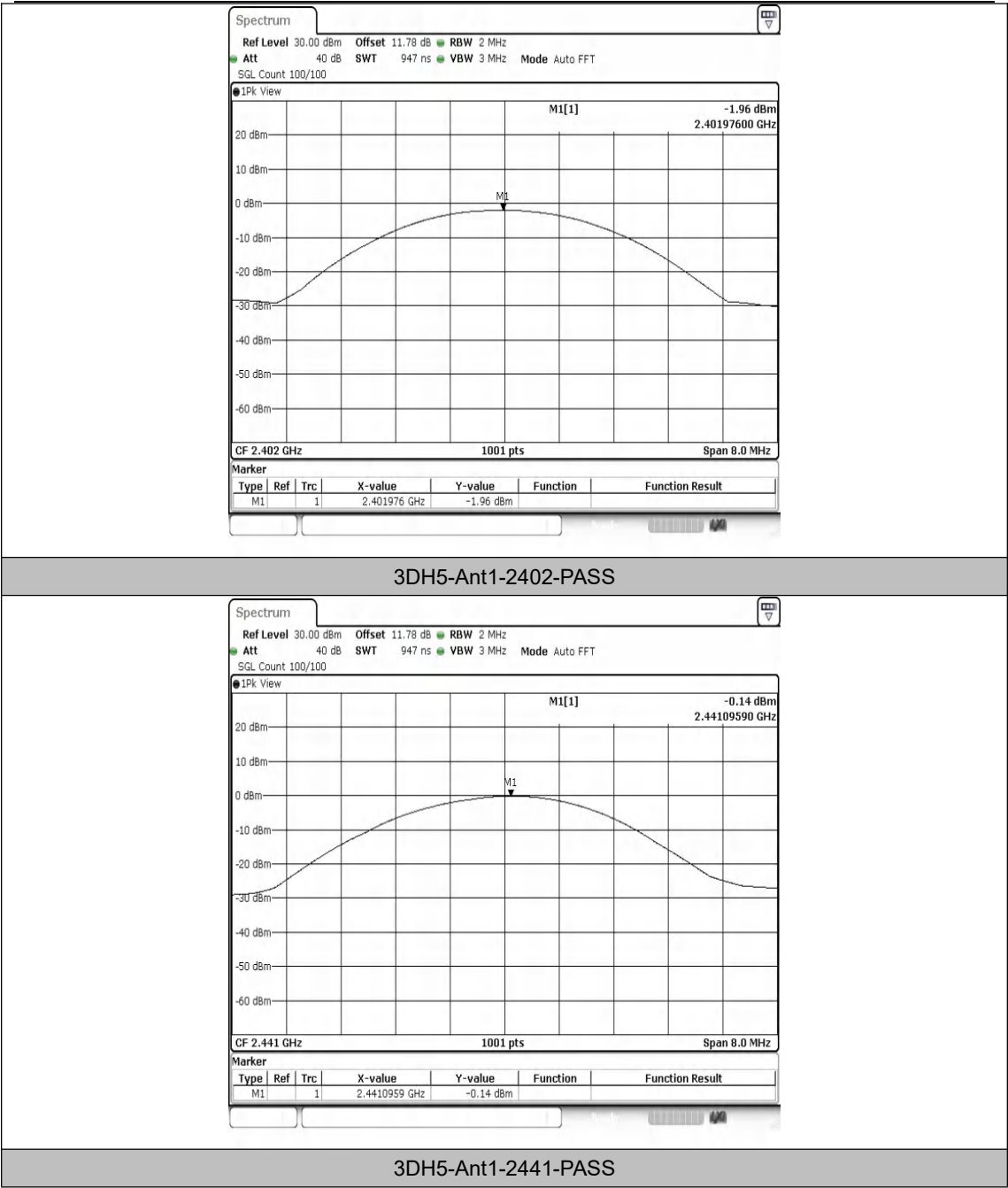
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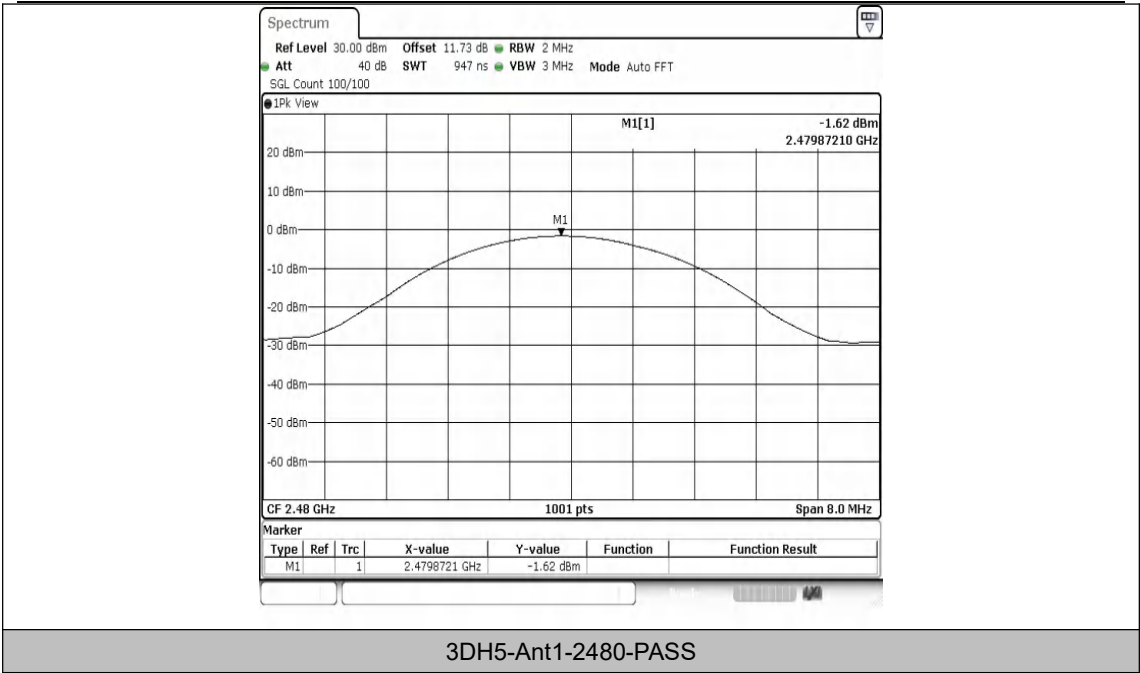
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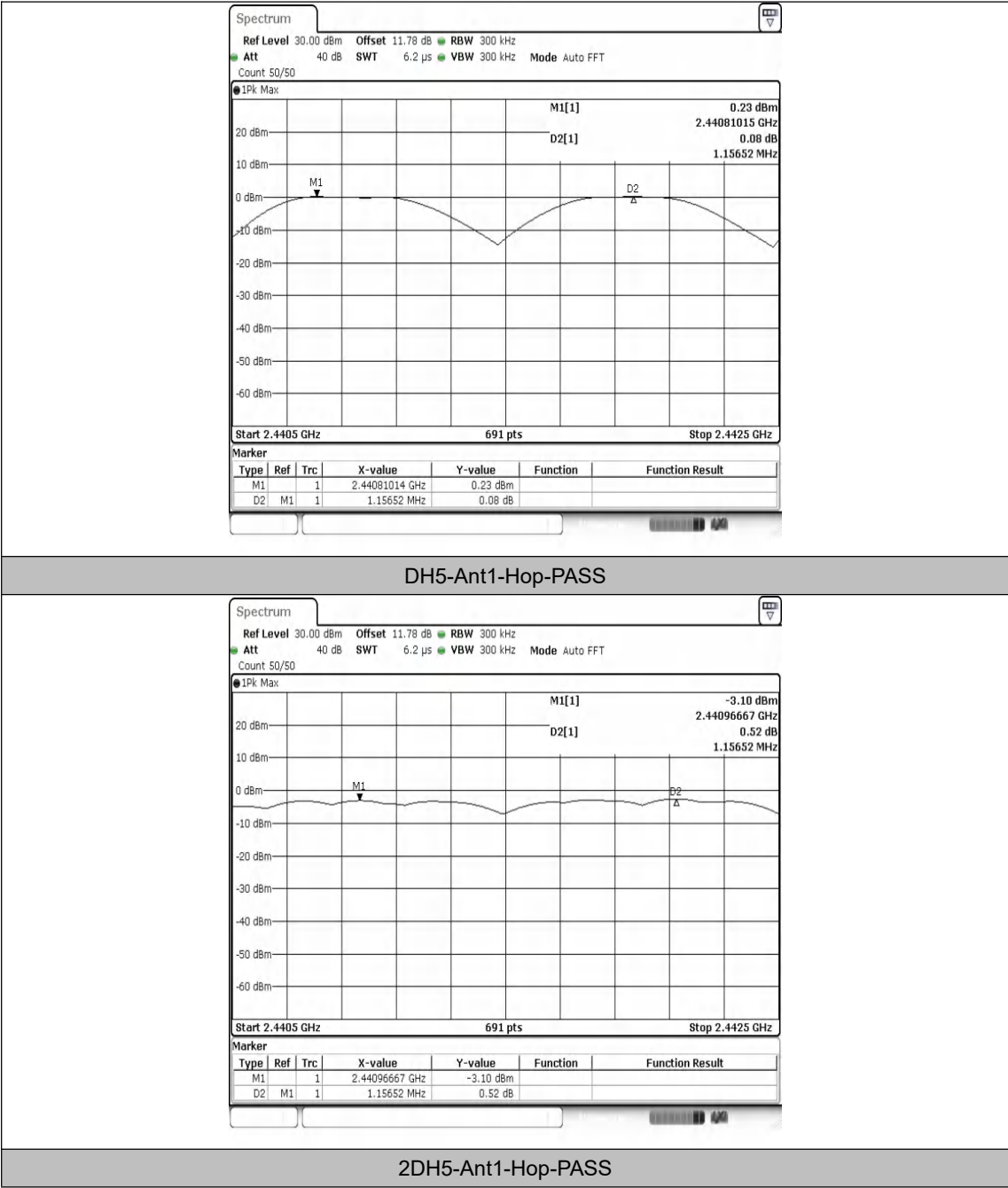
Appendix D: Carrier frequency separation

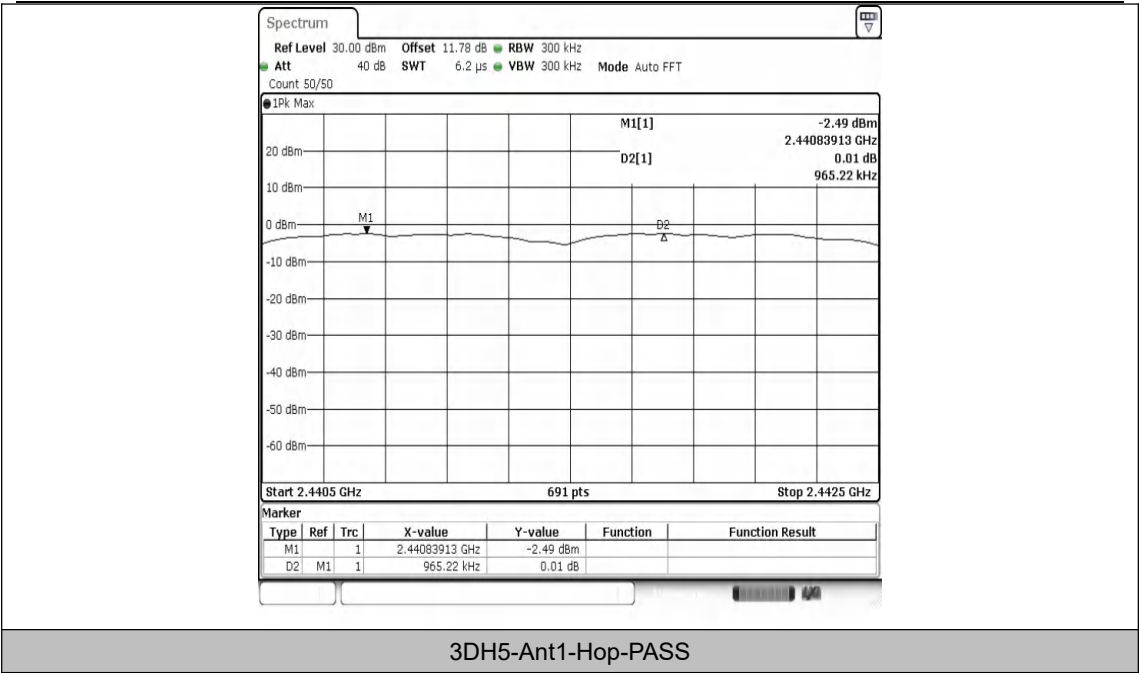
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.157	≥ 0.573	PASS
2DH5	Ant1	Hop	1.157	≥ 0.893	PASS
3DH5	Ant1	Hop	0.965	≥ 0.887	PASS



Test Graphs





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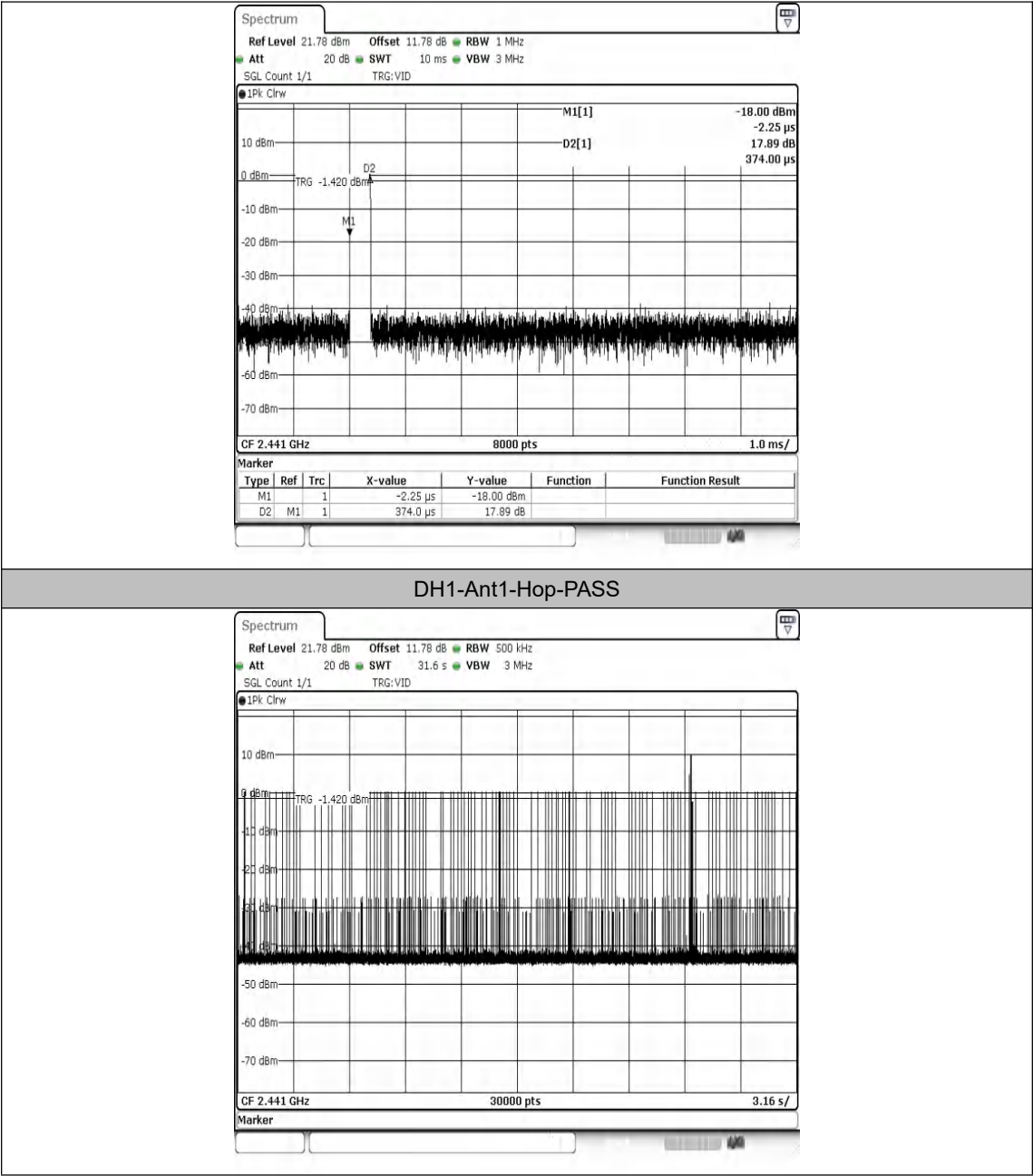
Appendix E: Dwell Time

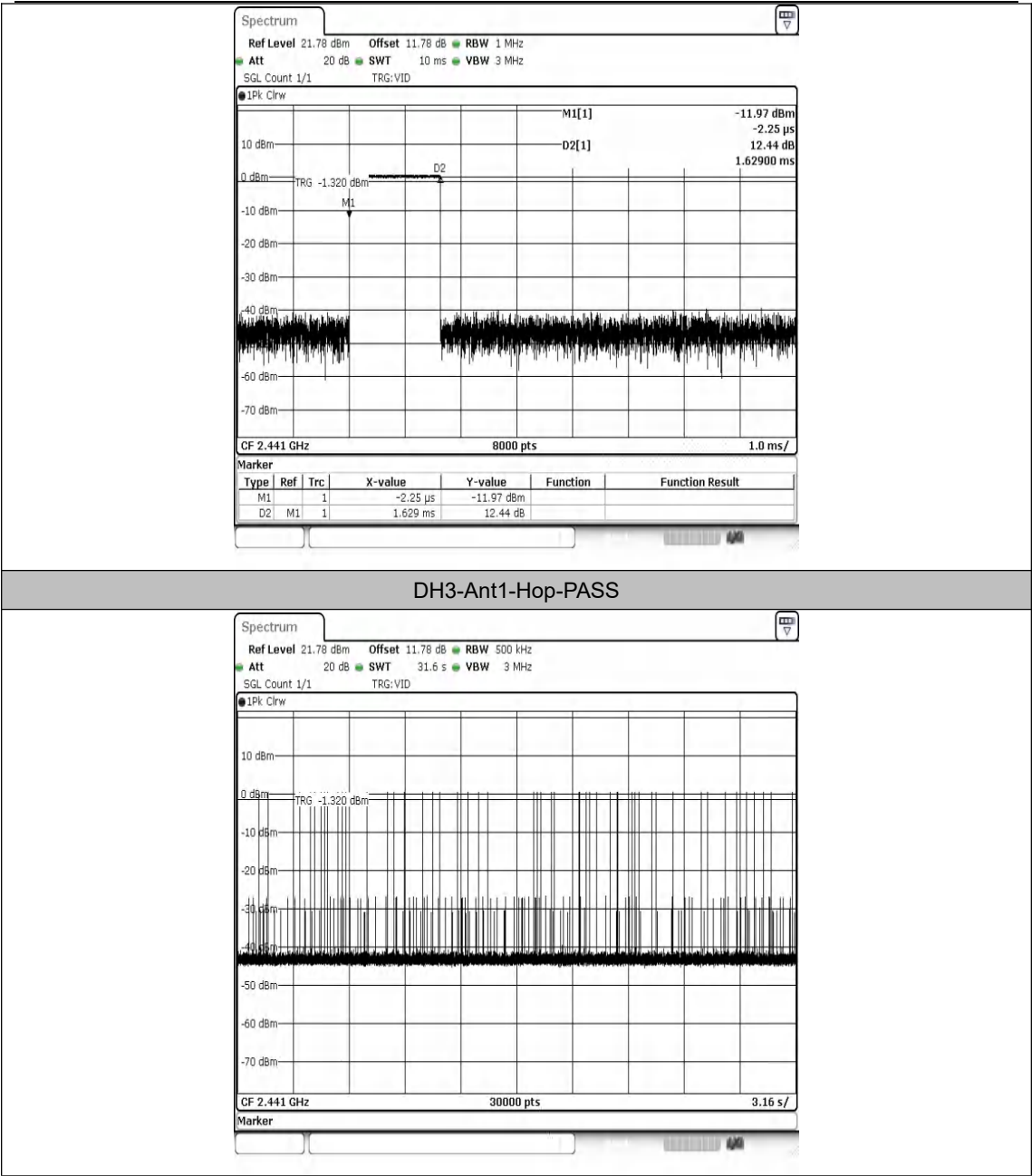
Test Result

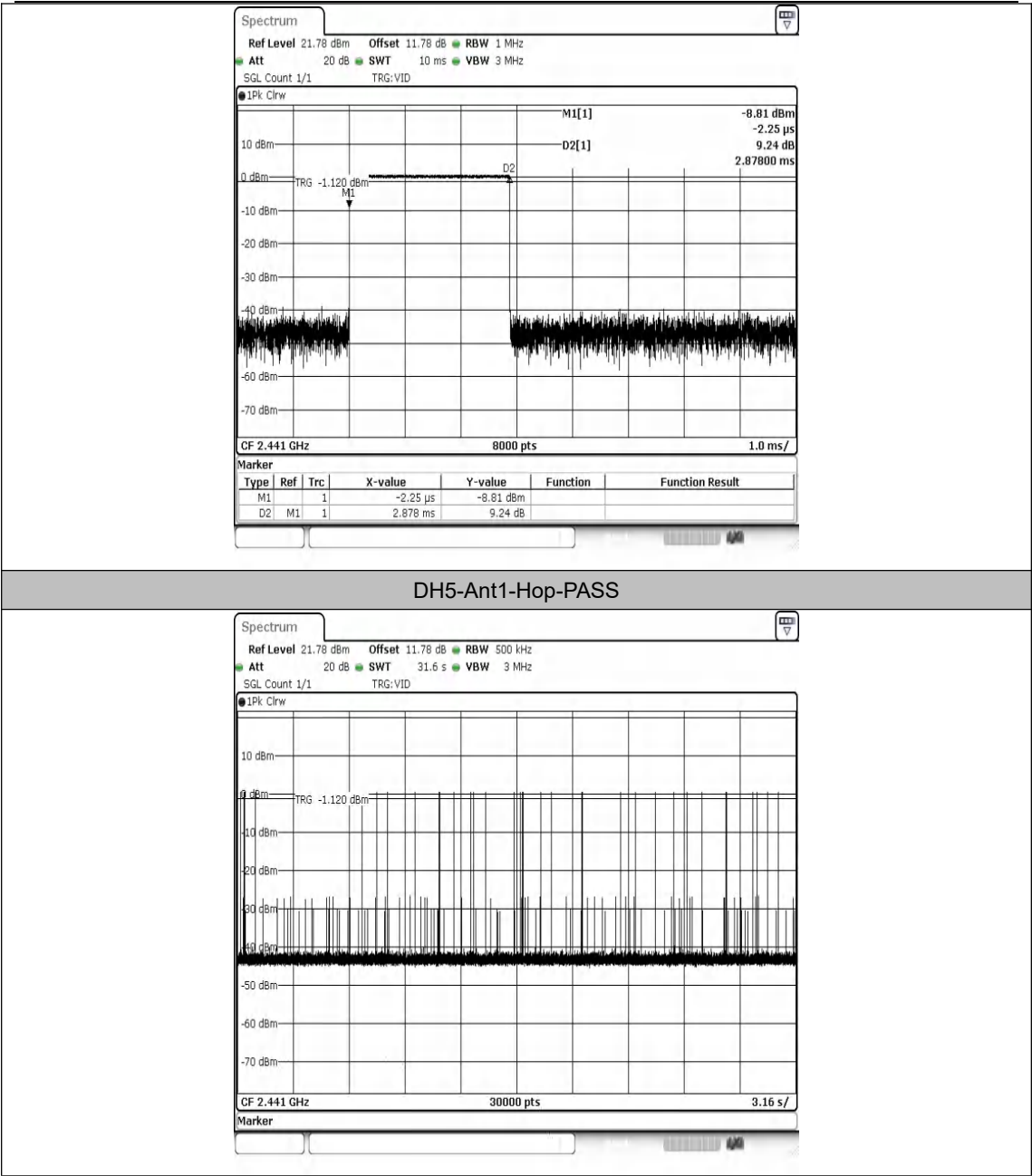
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.374	116	0.043	≤0.4	PASS
DH3	Ant1	Hop	1.629	151	0.246	≤0.4	PASS
DH5	Ant1	Hop	2.878	32	0.092	≤0.4	PASS
2DH1	Ant1	Hop	0.381	115	0.044	≤0.4	PASS
2DH3	Ant1	Hop	1.668	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.880	30	0.086	≤0.4	PASS
3DH1	Ant1	Hop	0.383	122	0.047	≤0.4	PASS
3DH3	Ant1	Hop	1.633	74	0.121	≤0.4	PASS
3DH5	Ant1	Hop	2.884	43	0.124	≤0.4	PASS

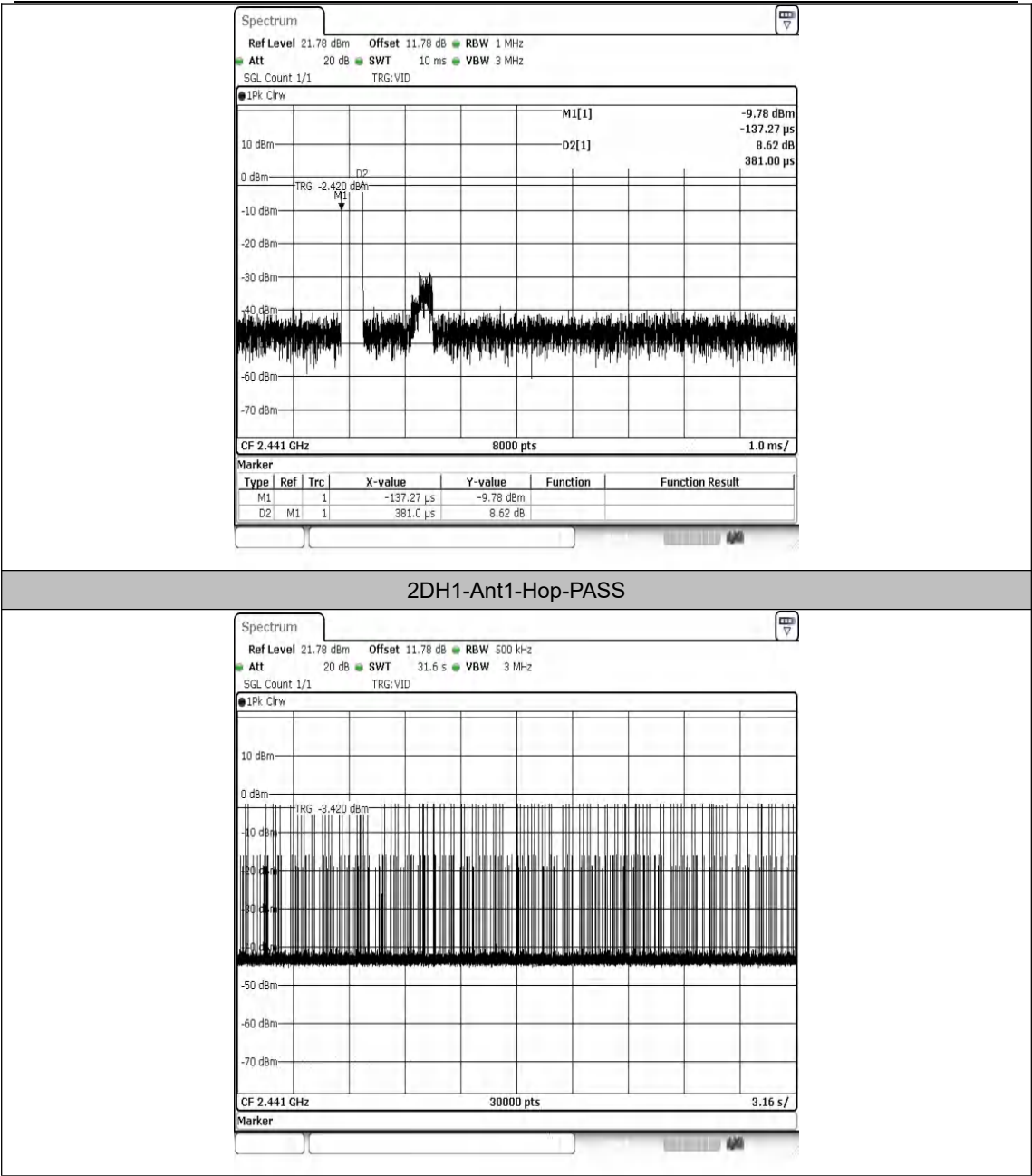


Test Graphs







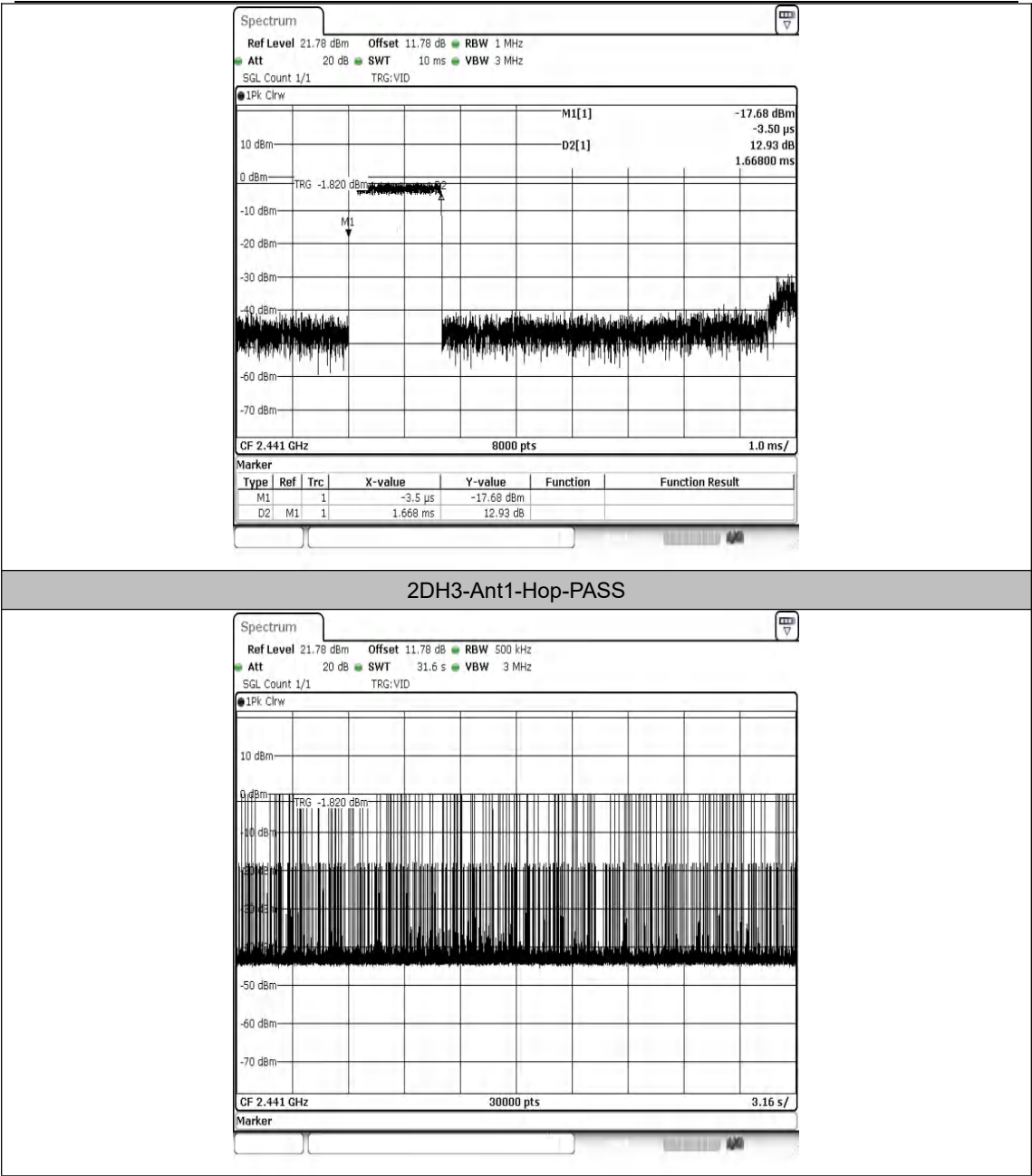


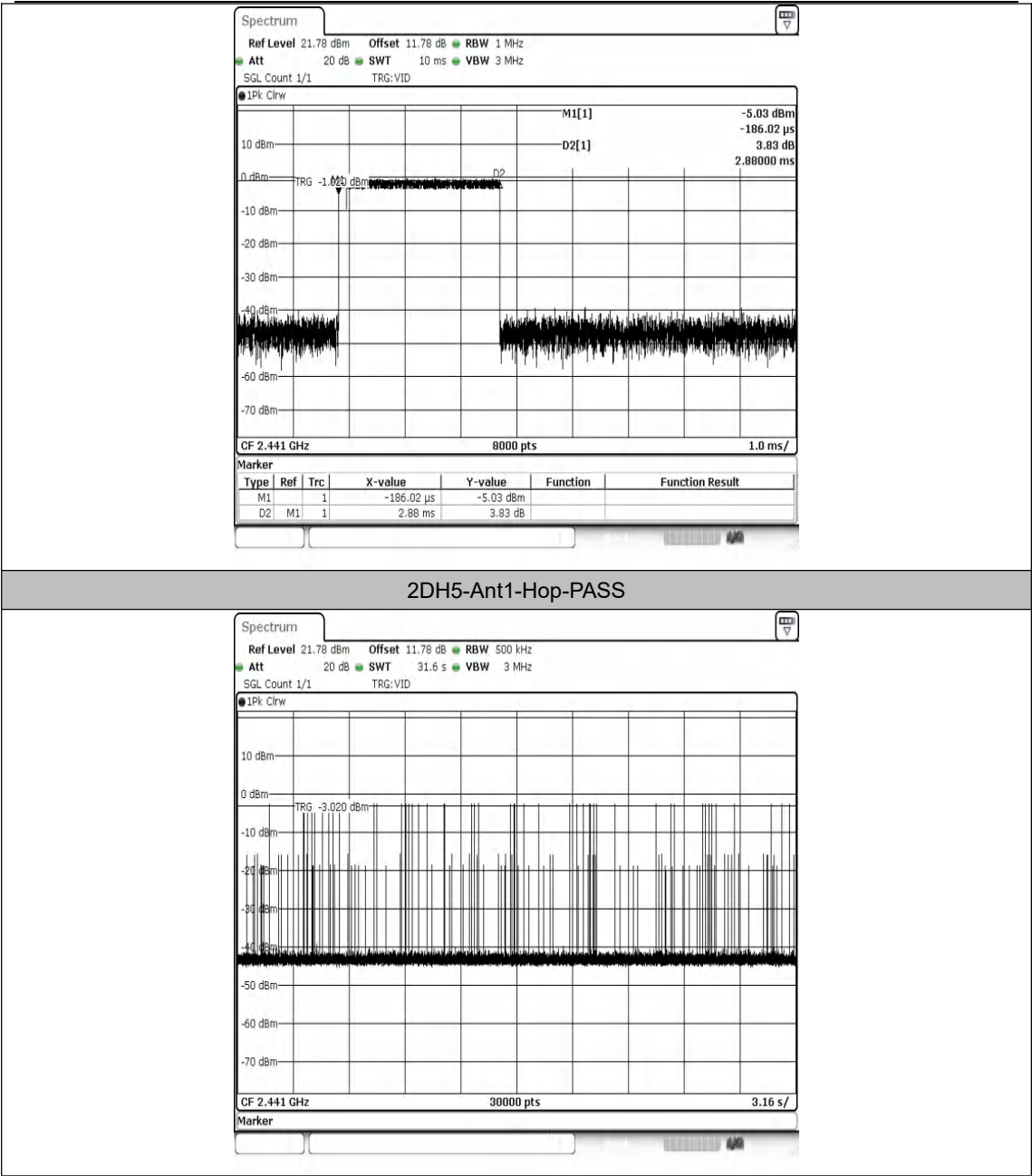
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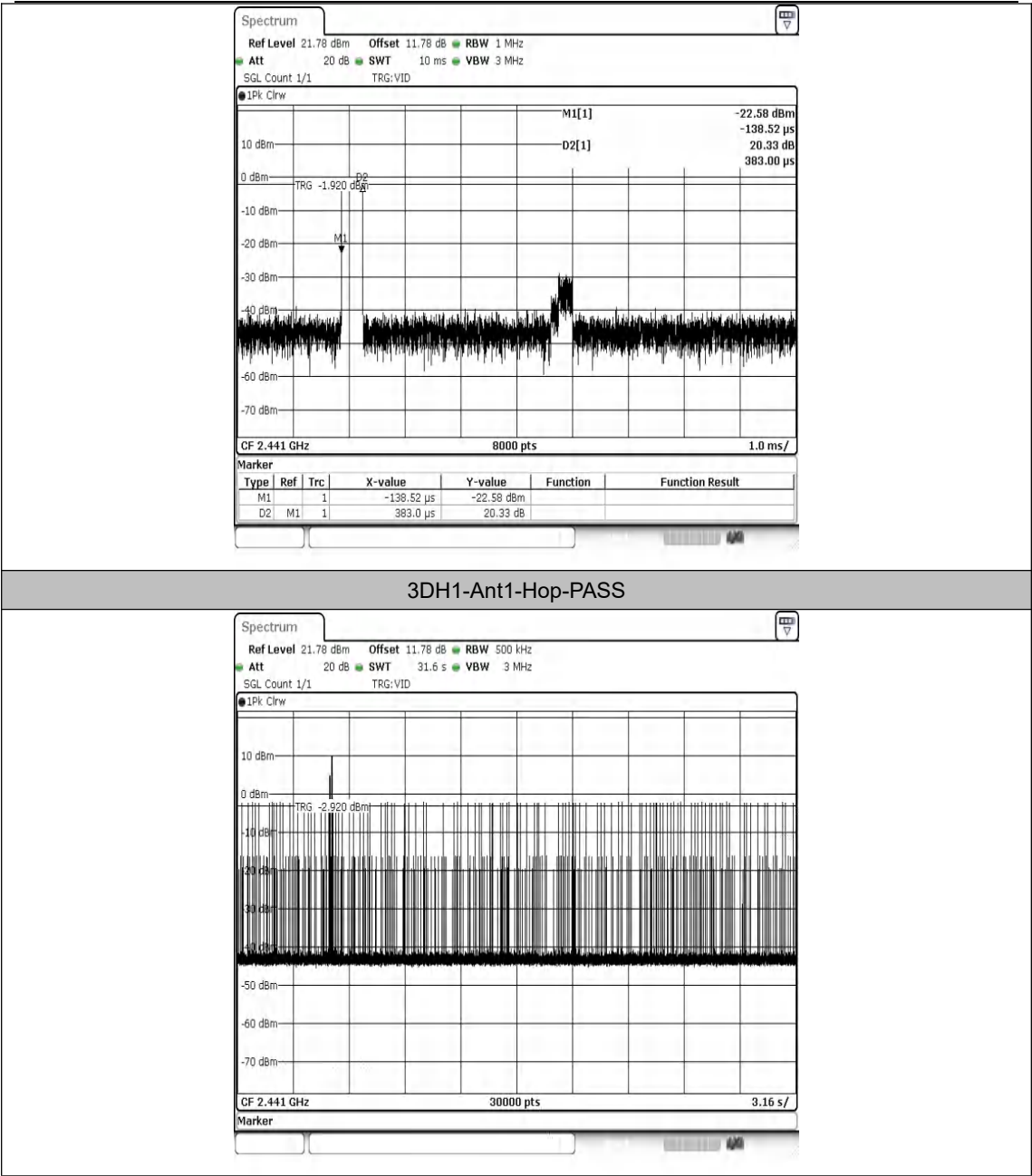
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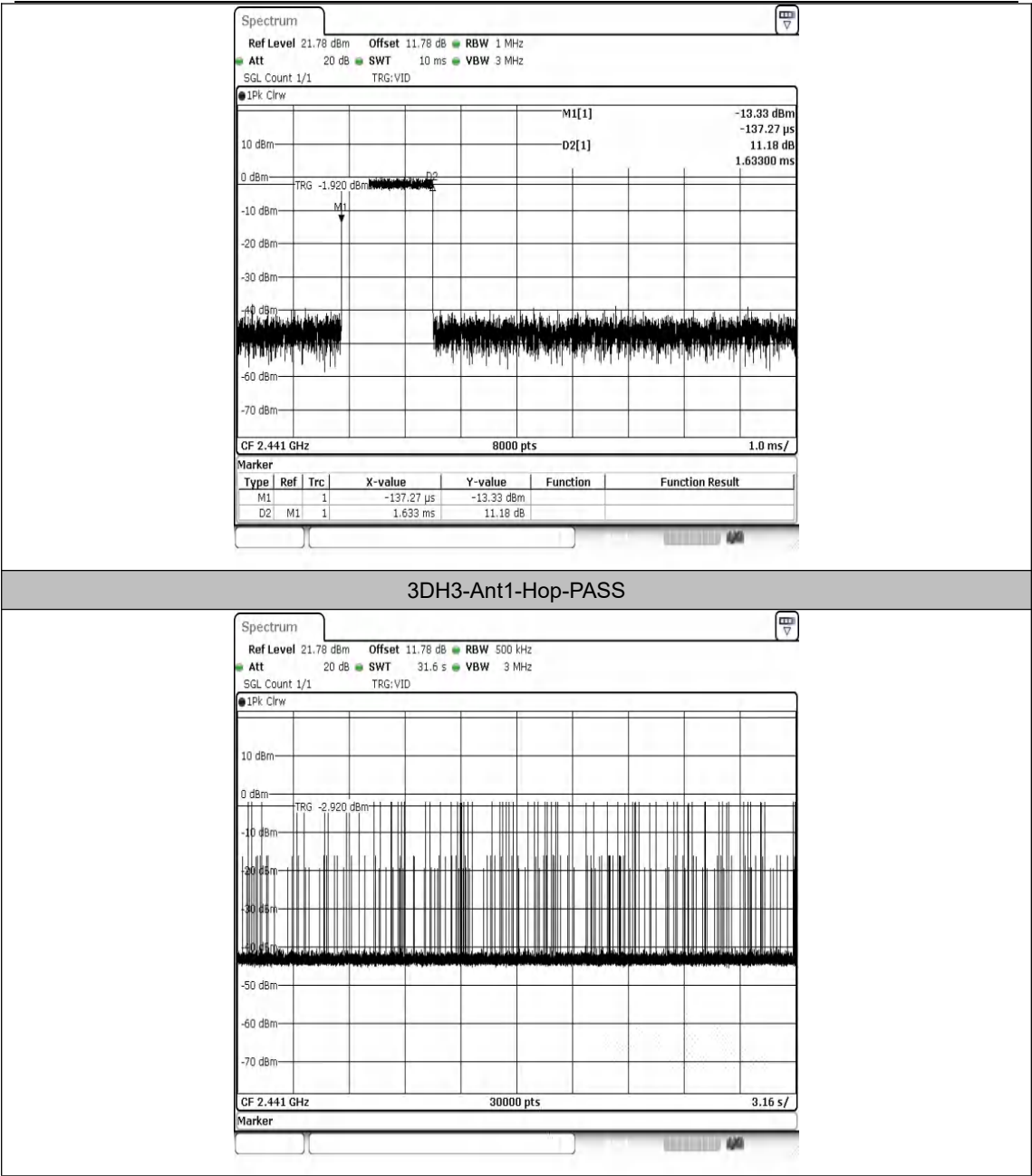
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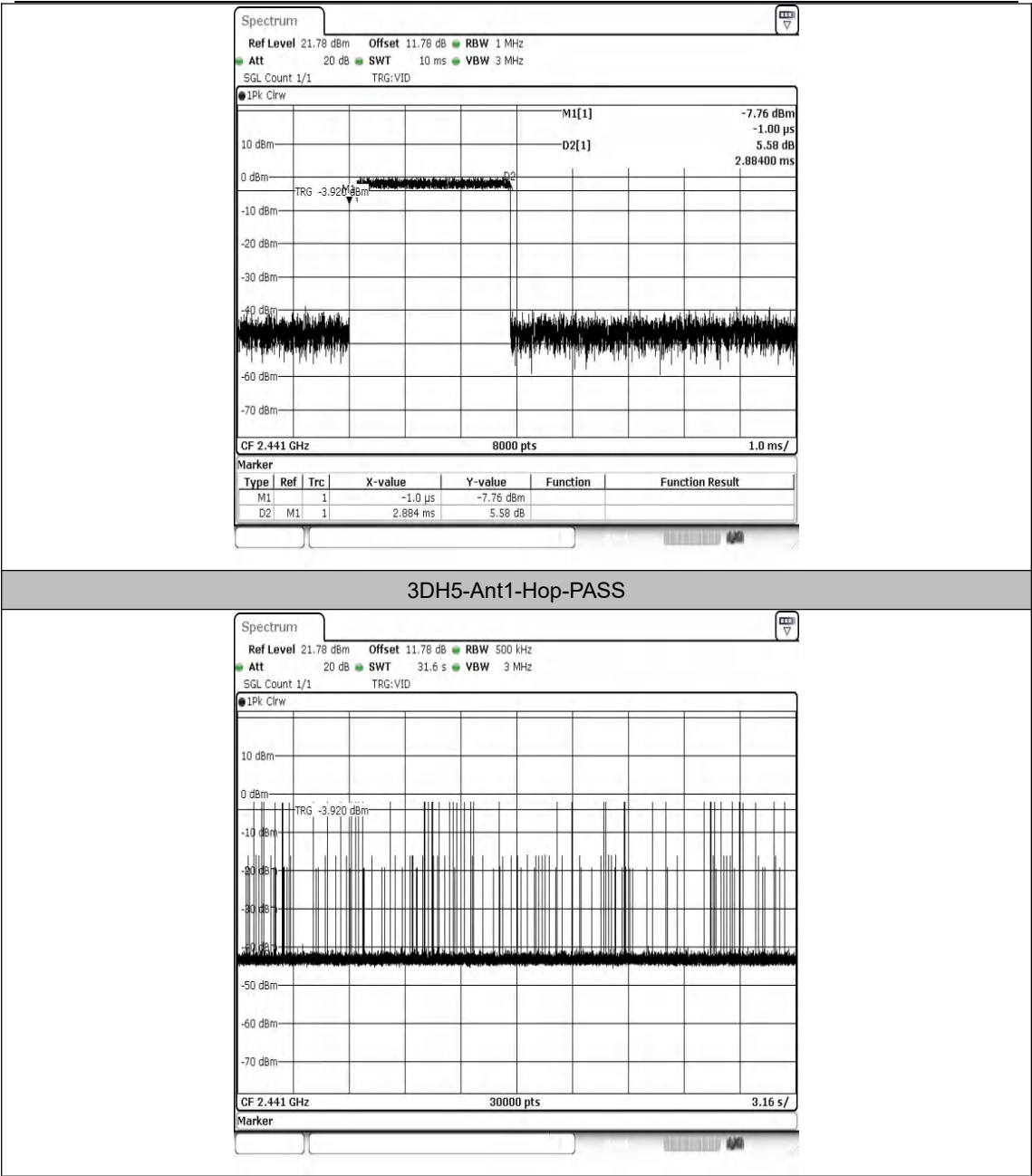












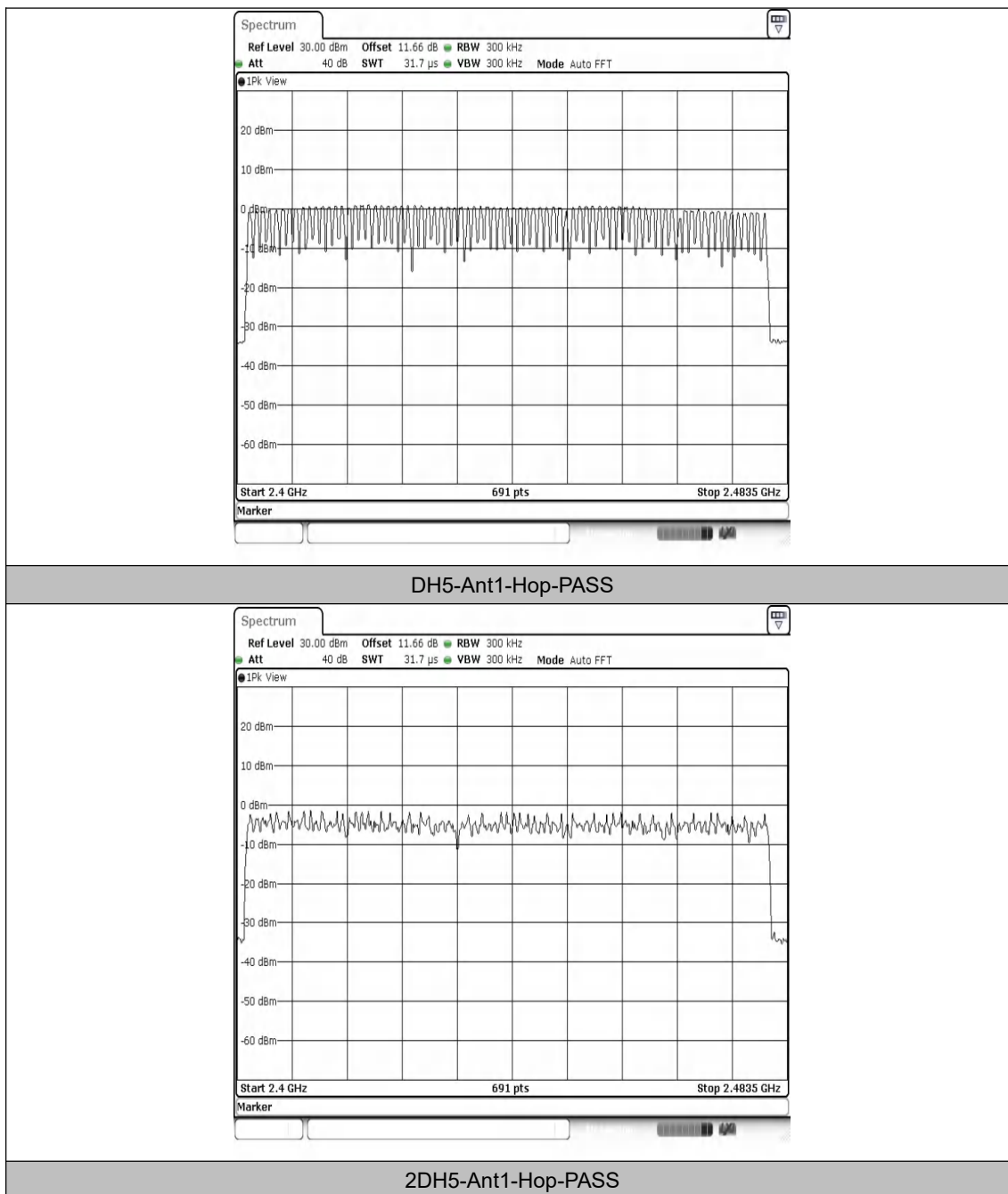
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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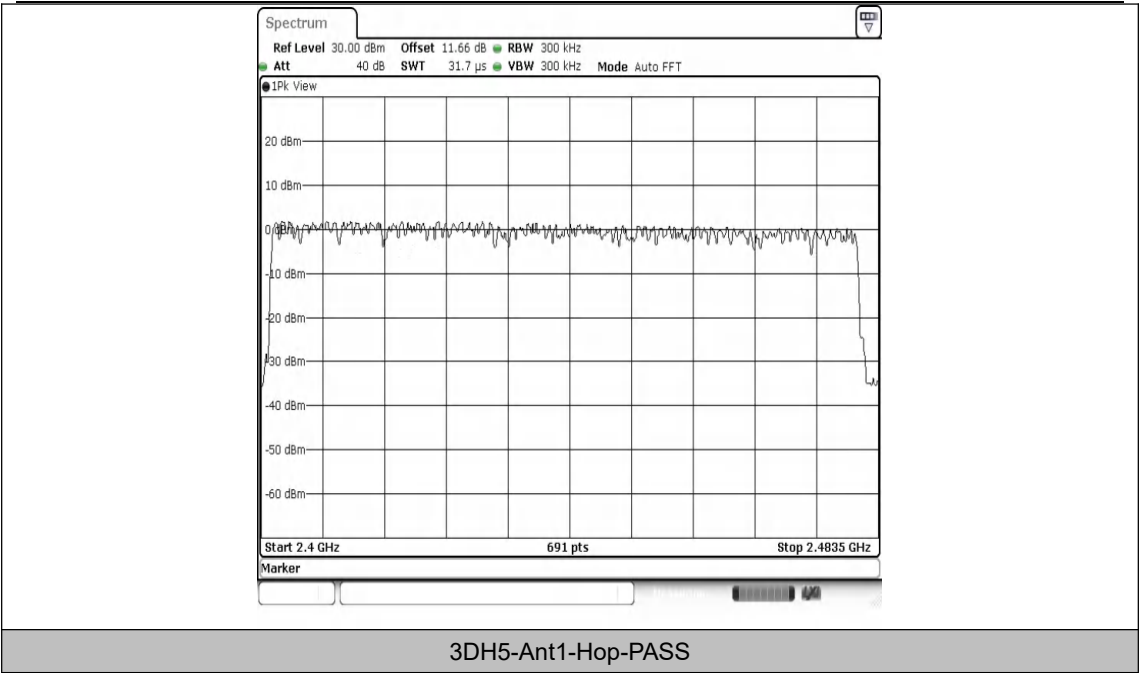
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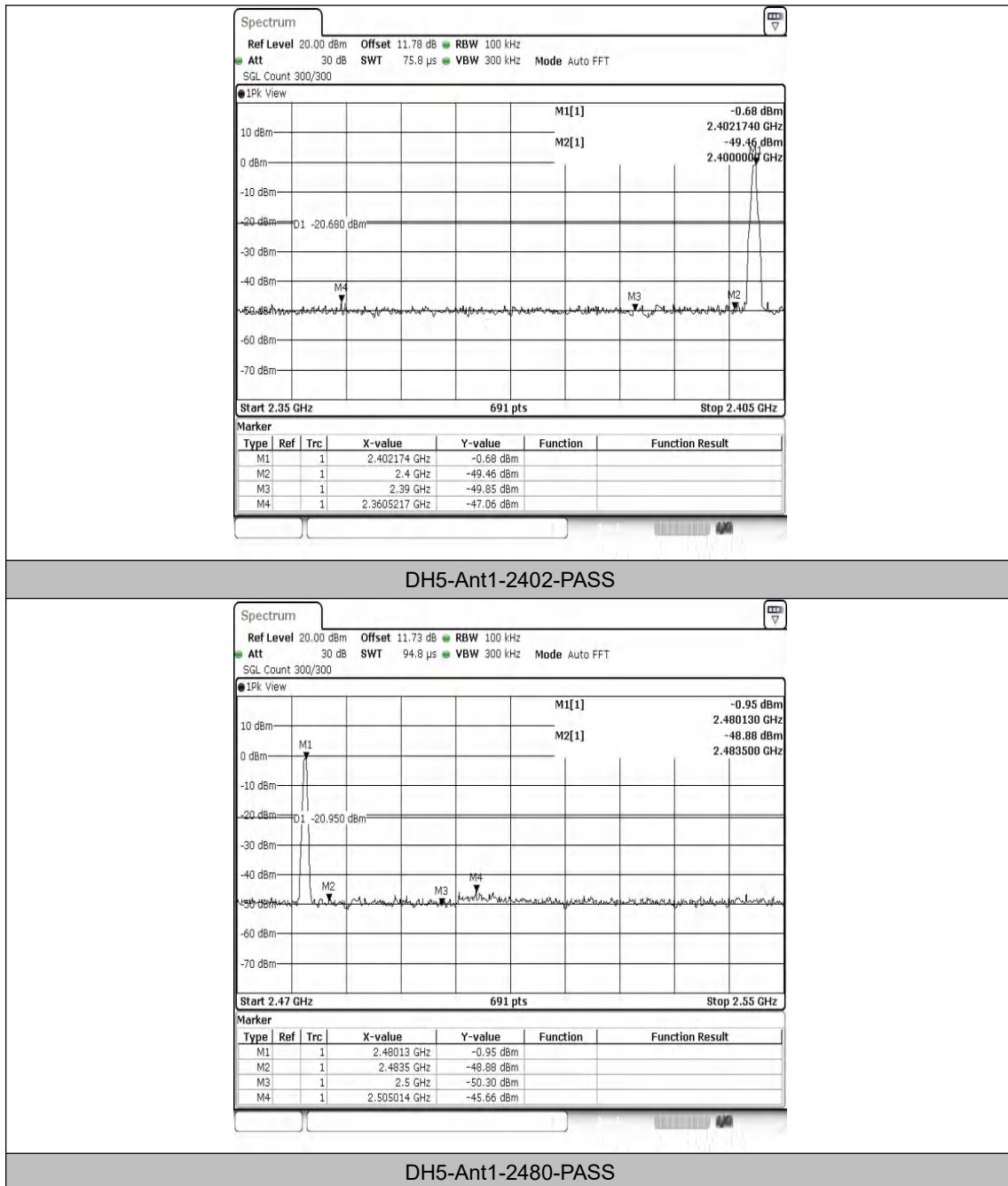
Appendix G: Conducted Band edge

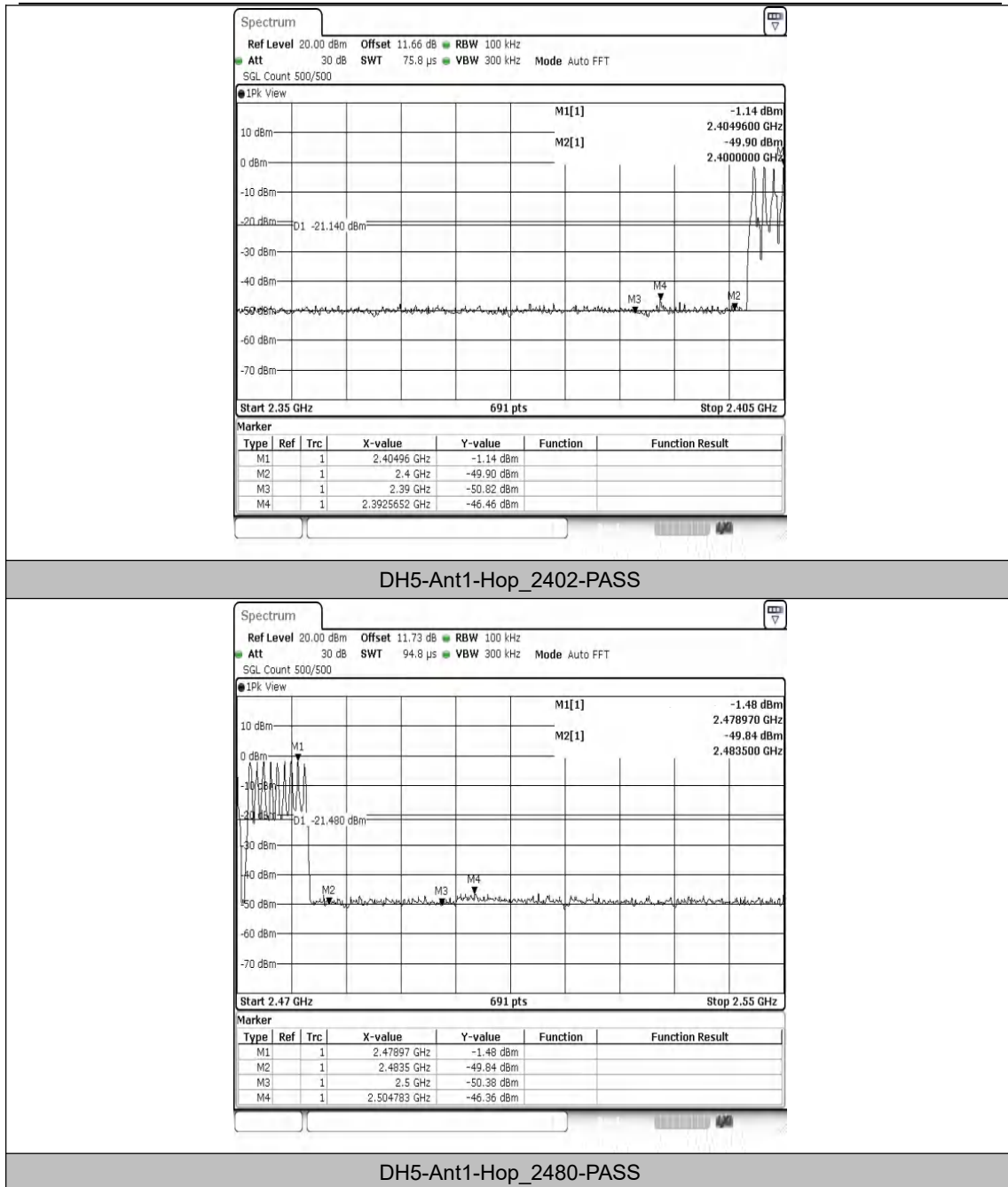
Test Result

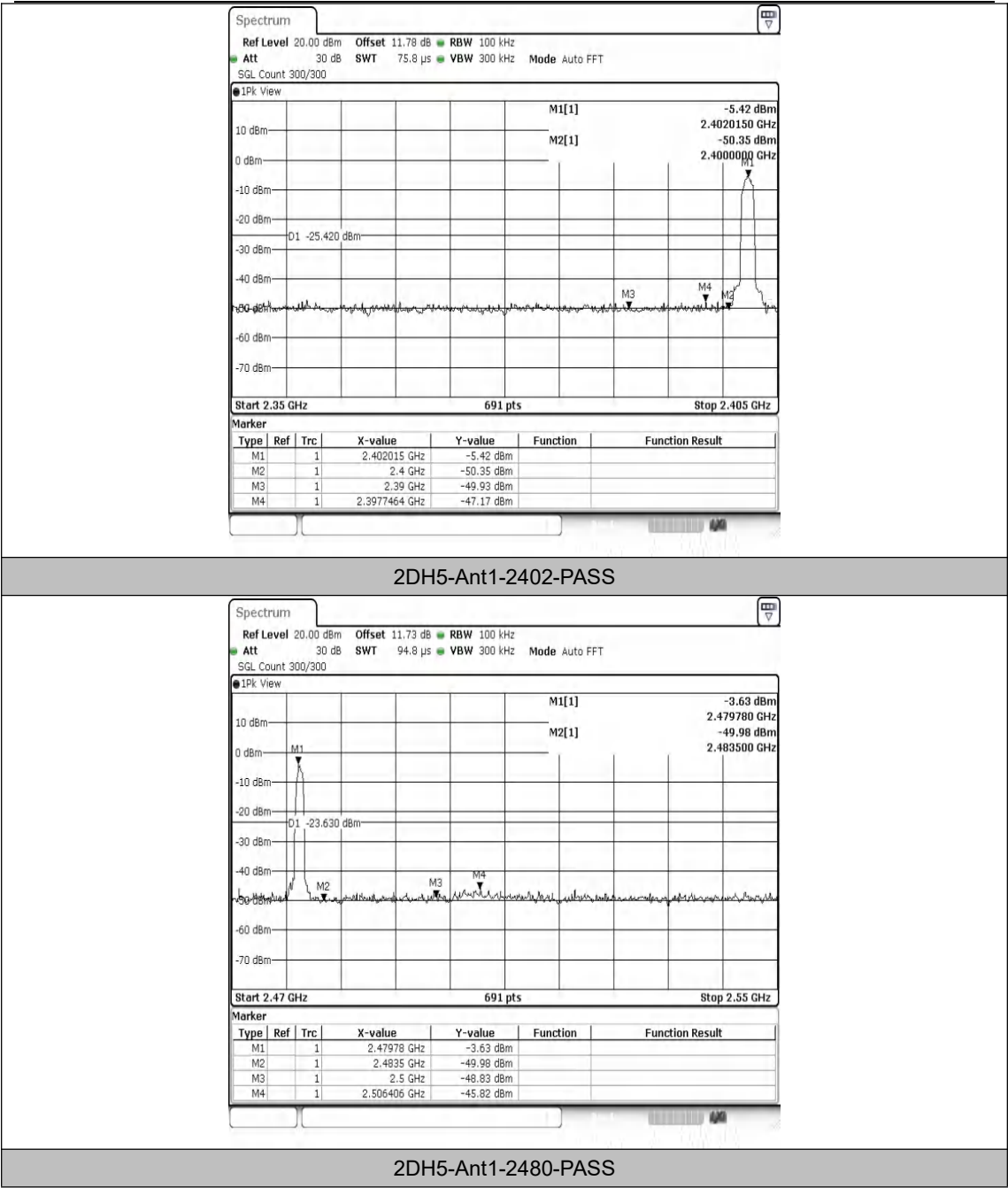
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.68	-47.06	≤-20.68	PASS
DH5	Ant1	High	2480	-0.95	-45.66	≤-20.95	PASS
DH5	Ant1	Low	Hop_2402	-1.14	-46.46	≤-21.14	PASS
DH5	Ant1	High	Hop_2480	-1.48	-46.36	≤-21.48	PASS
2DH5	Ant1	Low	2402	-5.42	-47.17	≤-25.42	PASS
2DH5	Ant1	High	2480	-3.63	-45.82	≤-23.63	PASS
2DH5	Ant1	Low	Hop_2402	-6.97	-47.76	≤-26.97	PASS
2DH5	Ant1	High	Hop_2480	-7.15	-46.54	≤-27.15	PASS
3DH5	Ant1	Low	2402	-4.49	-47.39	≤-24.49	PASS
3DH5	Ant1	High	2480	-4.11	-46.33	≤-24.11	PASS
3DH5	Ant1	Low	Hop_2402	-6.76	-46.98	≤-26.76	PASS
3DH5	Ant1	High	Hop_2480	-5.77	-46.14	≤-25.77	PASS

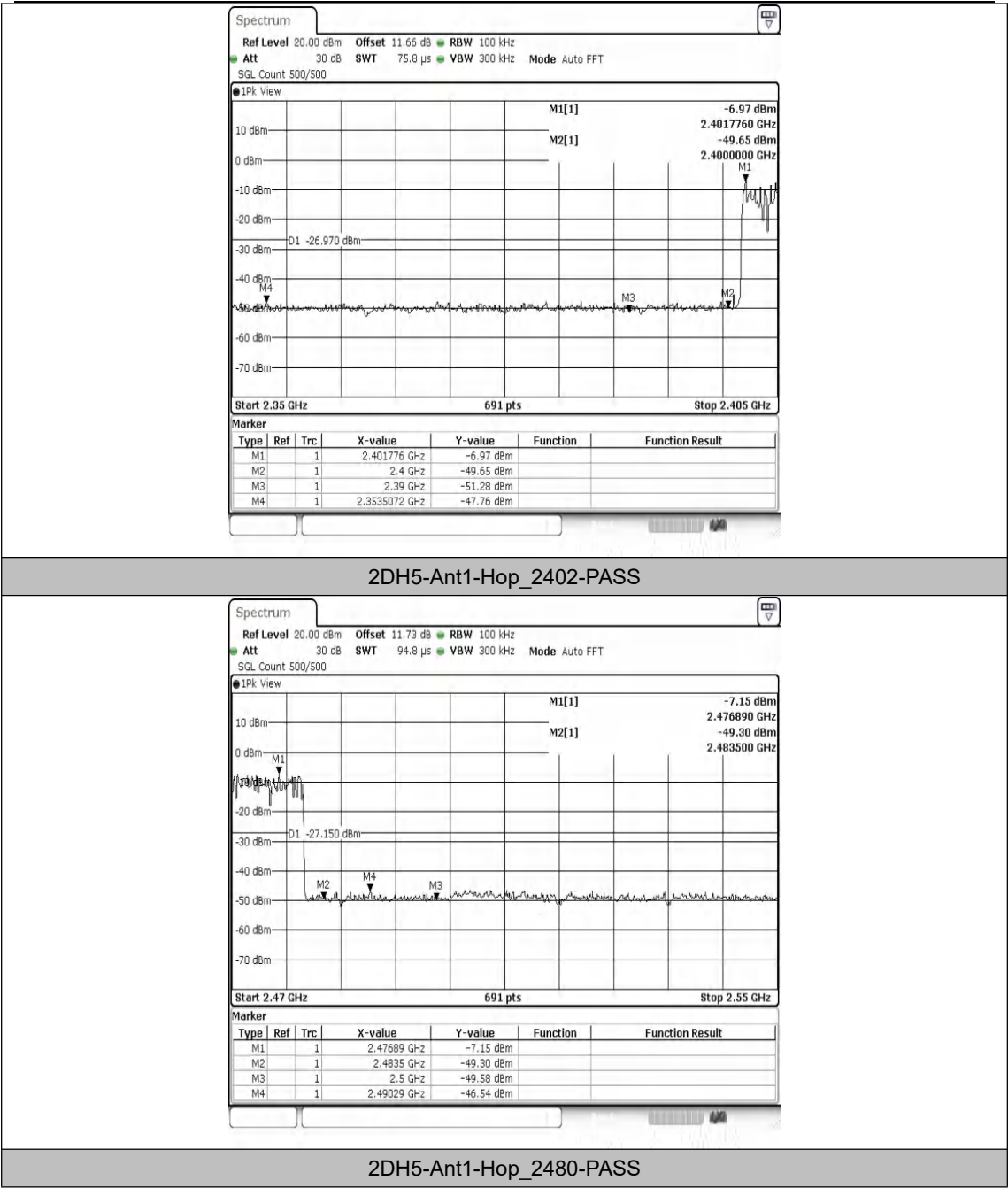


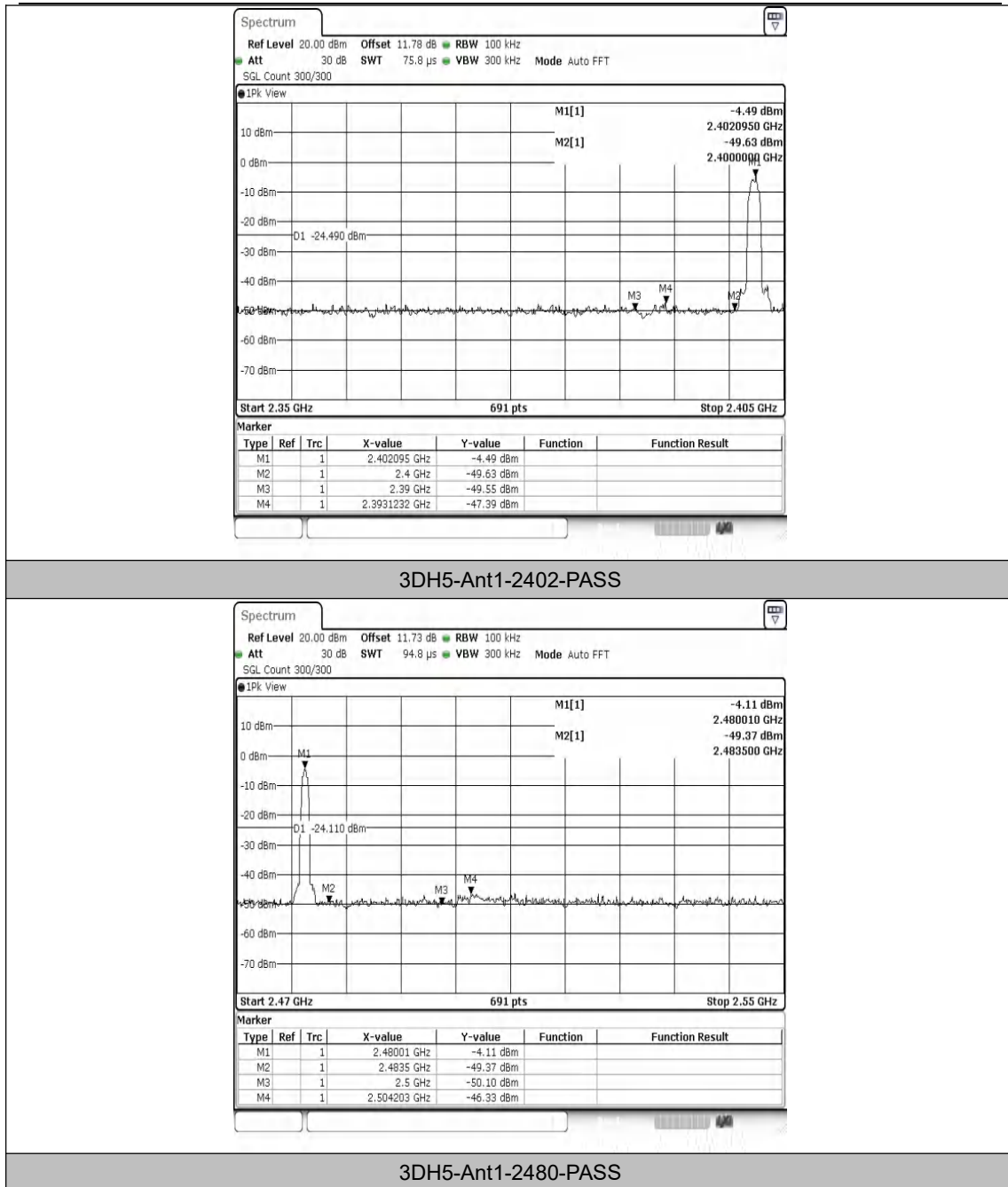
Test Graphs

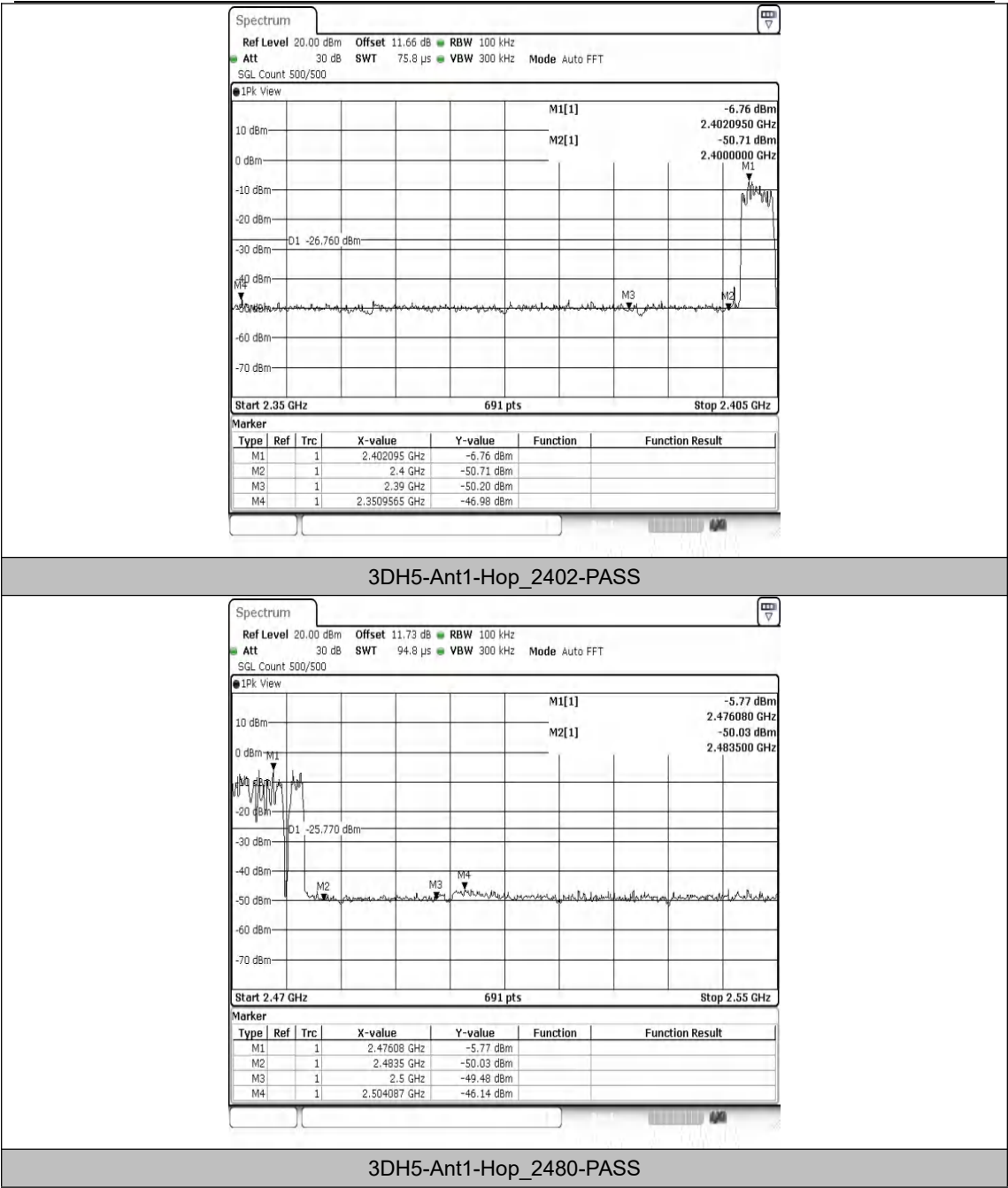












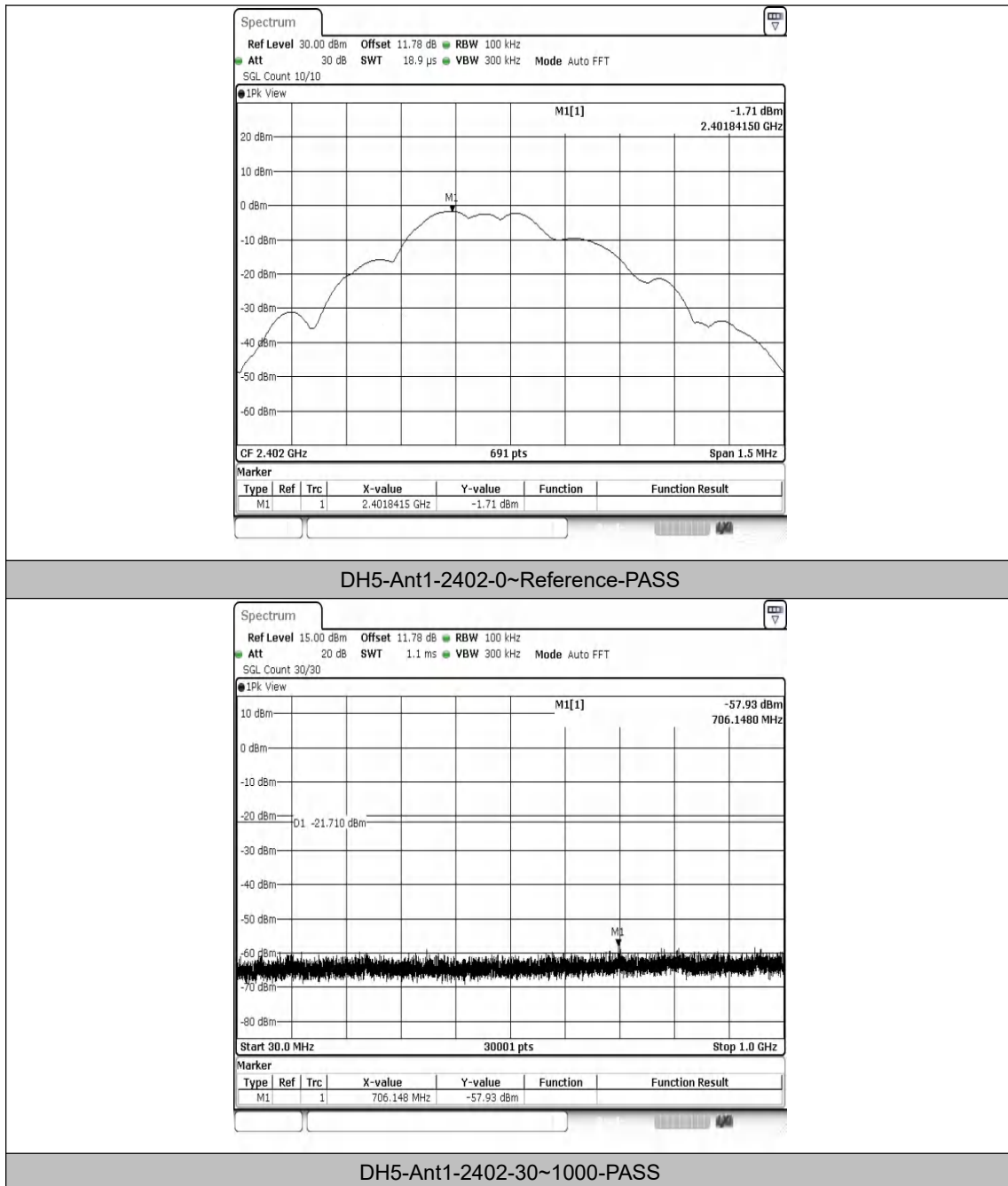
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.71	-1.71	---	PASS
DH5	Ant1	2402	30~1000	-1.71	-57.93	≤-21.71	PASS
DH5	Ant1	2402	1000~26500	-1.71	-44.22	≤-21.71	PASS
DH5	Ant1	2441	0~Reference	-0.17	-0.17	---	PASS
DH5	Ant1	2441	30~1000	-0.17	-58.2	≤-20.17	PASS
DH5	Ant1	2441	1000~26500	-0.17	-43.58	≤-20.17	PASS
DH5	Ant1	2480	0~Reference	-1.44	-1.44	---	PASS
DH5	Ant1	2480	30~1000	-1.44	-58.64	≤-21.44	PASS
DH5	Ant1	2480	1000~26500	-1.44	-44.12	≤-21.44	PASS
2DH5	Ant1	2402	0~Reference	-6.50	-6.50	---	PASS
2DH5	Ant1	2402	30~1000	-6.50	-57.23	≤-26.5	PASS
2DH5	Ant1	2402	1000~26500	-6.50	-43.57	≤-26.5	PASS
2DH5	Ant1	2441	0~Reference	-6.63	-6.63	---	PASS
2DH5	Ant1	2441	30~1000	-6.63	-57.41	≤-26.63	PASS
2DH5	Ant1	2441	1000~26500	-6.63	-43.87	≤-26.63	PASS
2DH5	Ant1	2480	0~Reference	-7.12	-7.12	---	PASS
2DH5	Ant1	2480	30~1000	-7.12	-58.16	≤-27.12	PASS
2DH5	Ant1	2480	1000~26500	-7.12	-44.01	≤-27.12	PASS
3DH5	Ant1	2402	0~Reference	-6.82	-6.82	---	PASS
3DH5	Ant1	2402	30~1000	-6.82	-57.85	≤-26.82	PASS
3DH5	Ant1	2402	1000~26500	-6.82	-44.3	≤-26.82	PASS
3DH5	Ant1	2441	0~Reference	-6.35	-6.35	---	PASS
3DH5	Ant1	2441	30~1000	-6.35	-58.09	≤-26.35	PASS
3DH5	Ant1	2441	1000~26500	-6.35	-43.85	≤-26.35	PASS
3DH5	Ant1	2480	0~Reference	-8.01	-8.01	---	PASS
3DH5	Ant1	2480	30~1000	-8.01	-58.39	≤-28.01	PASS
3DH5	Ant1	2480	1000~26500	-8.01	-43.11	≤-28.01	PASS



Test Graphs

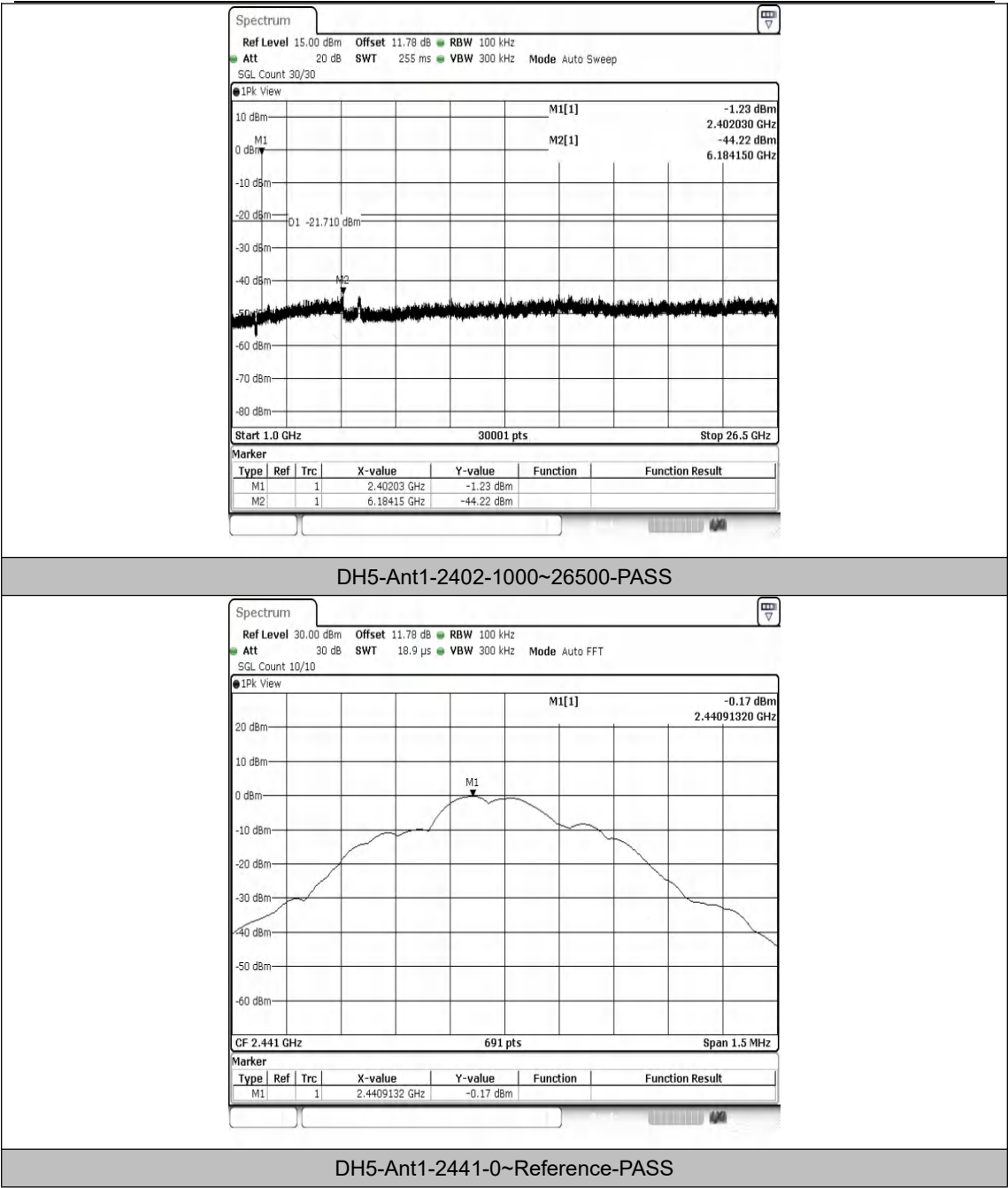


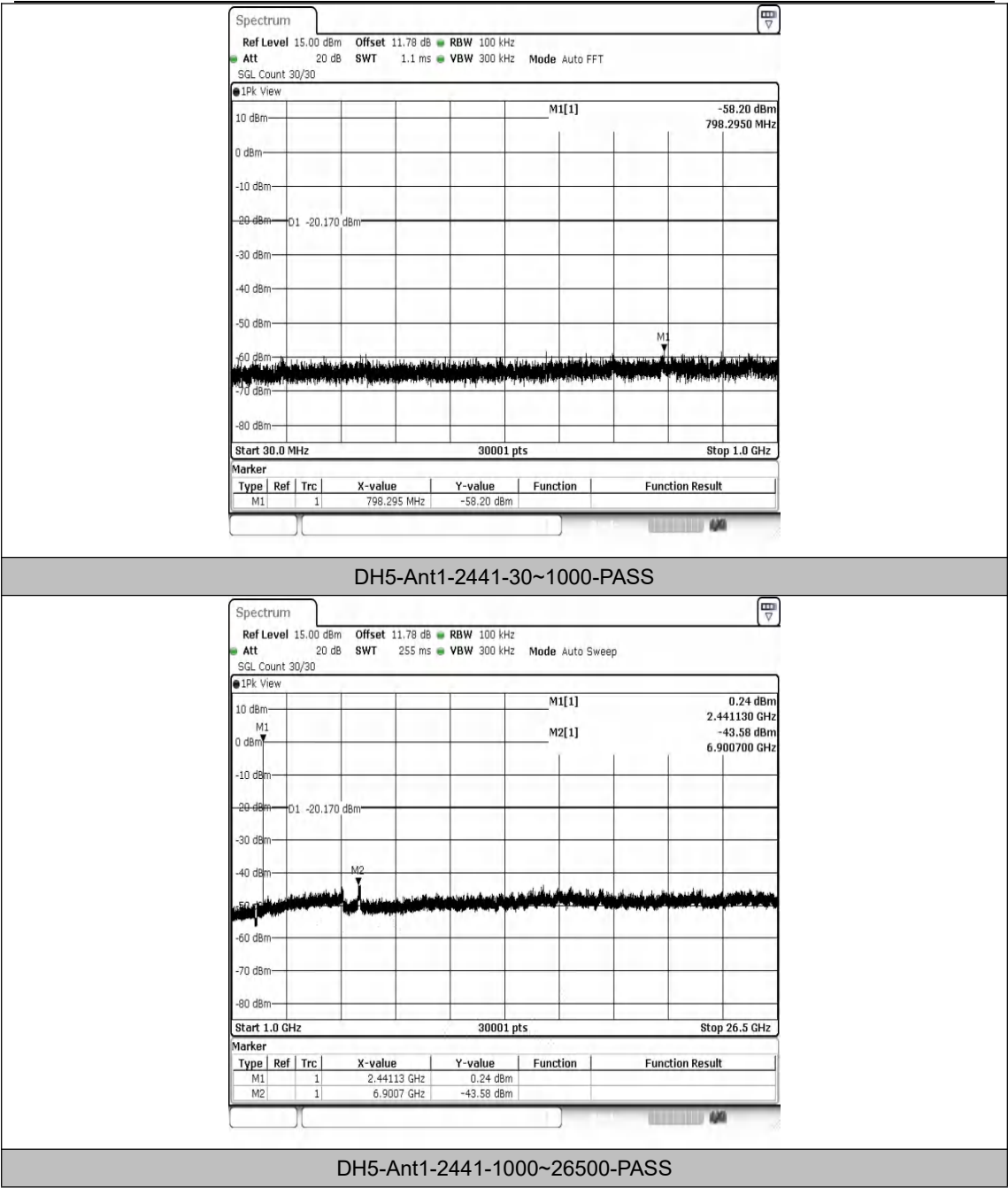
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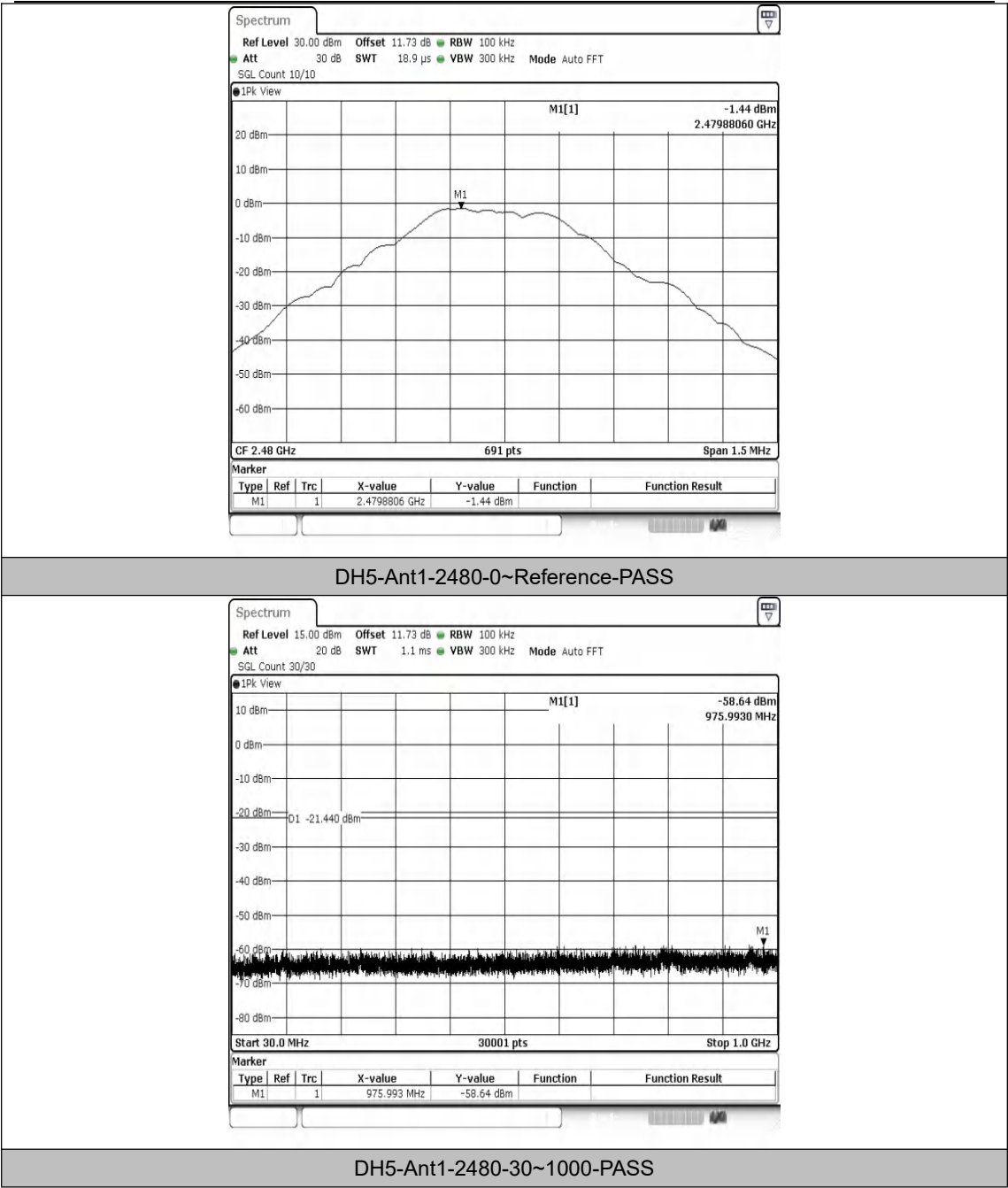
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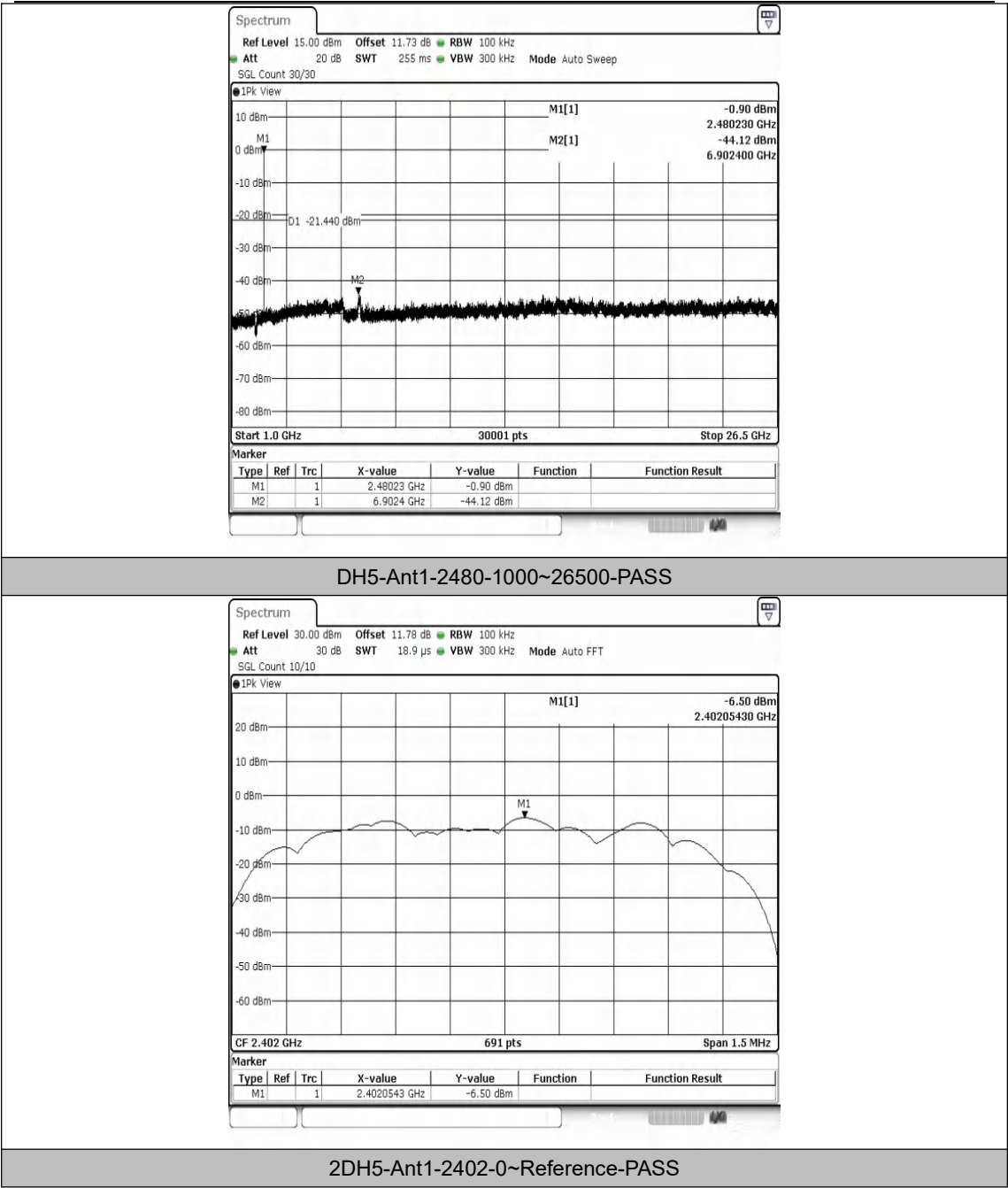
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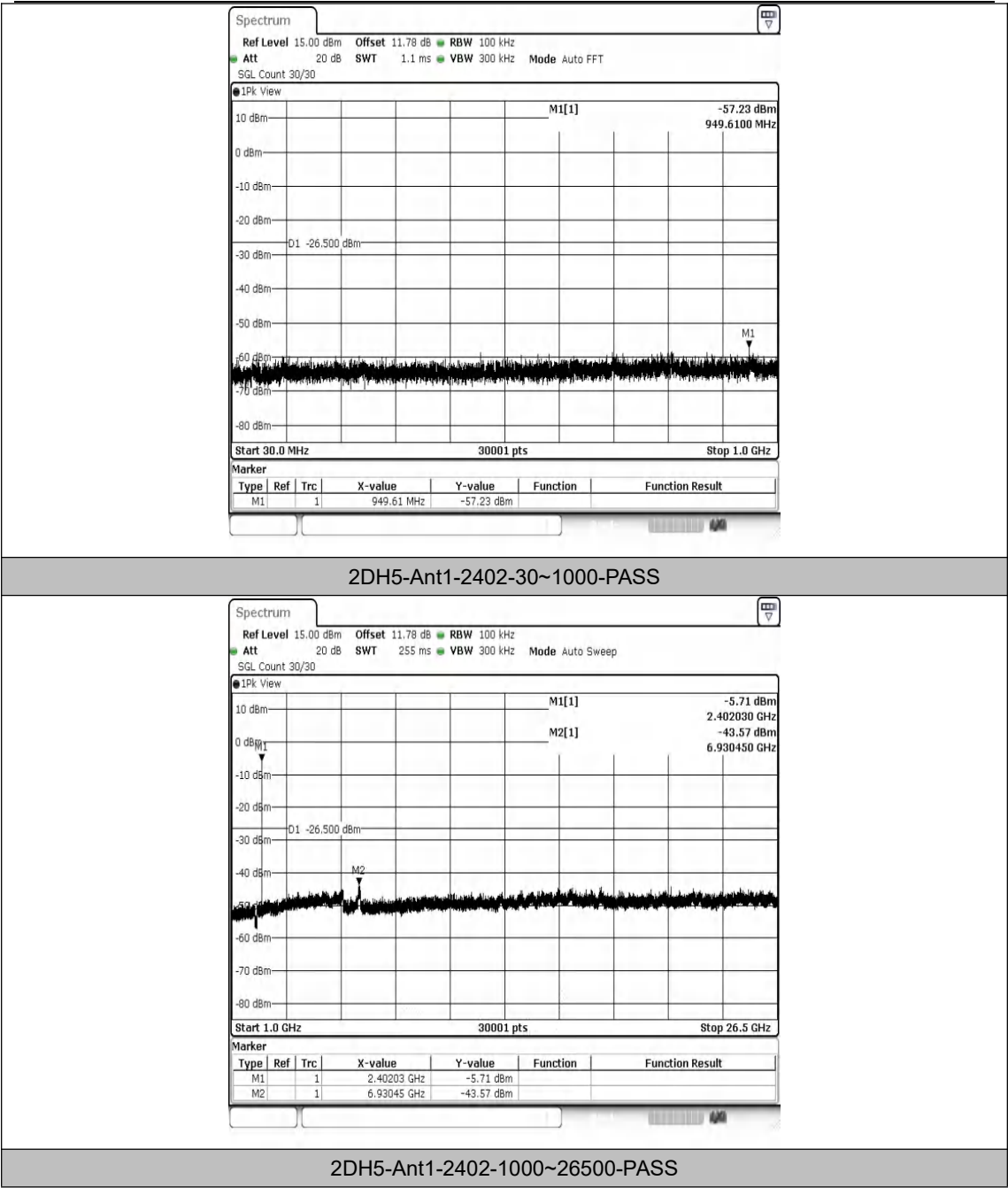


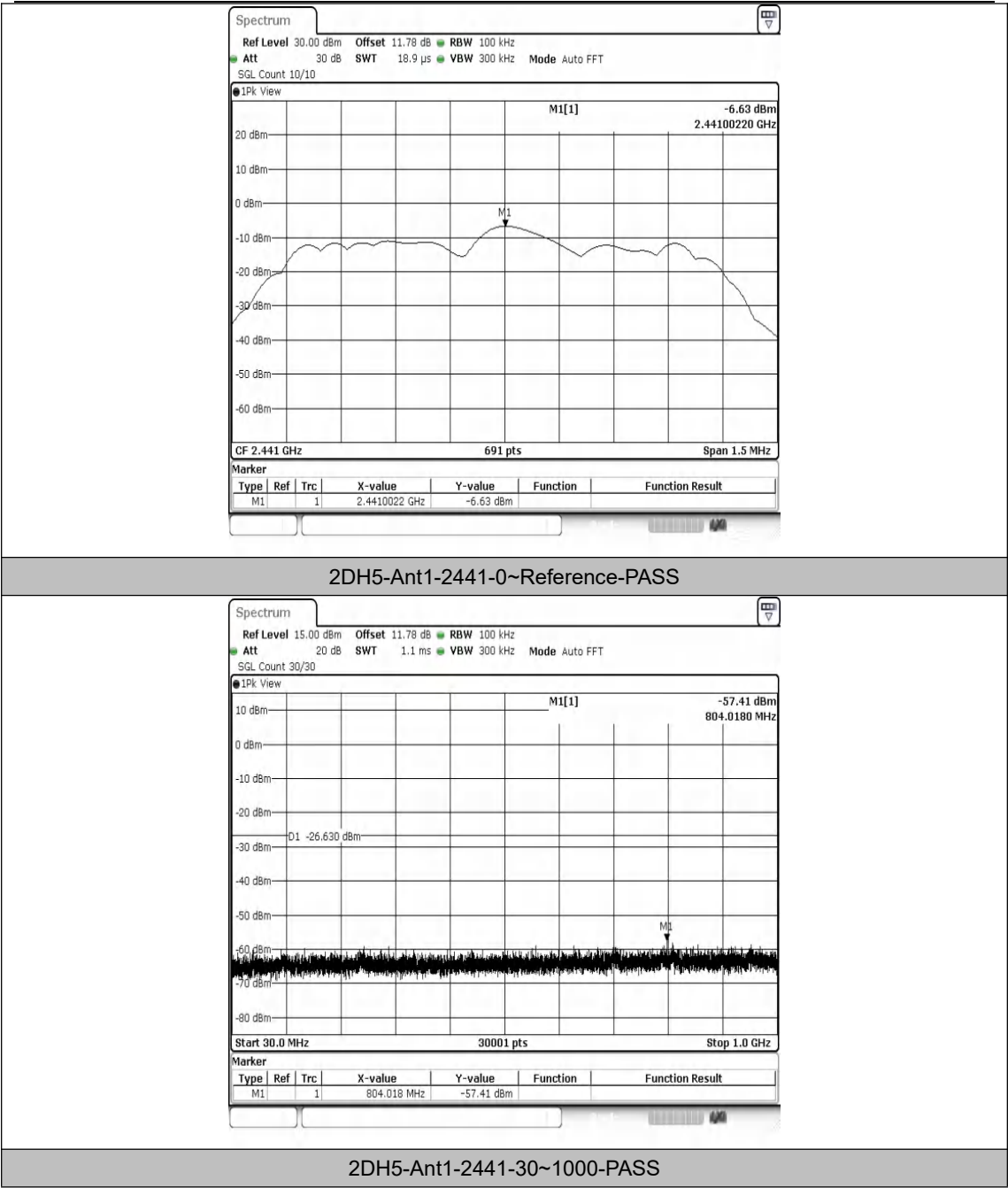


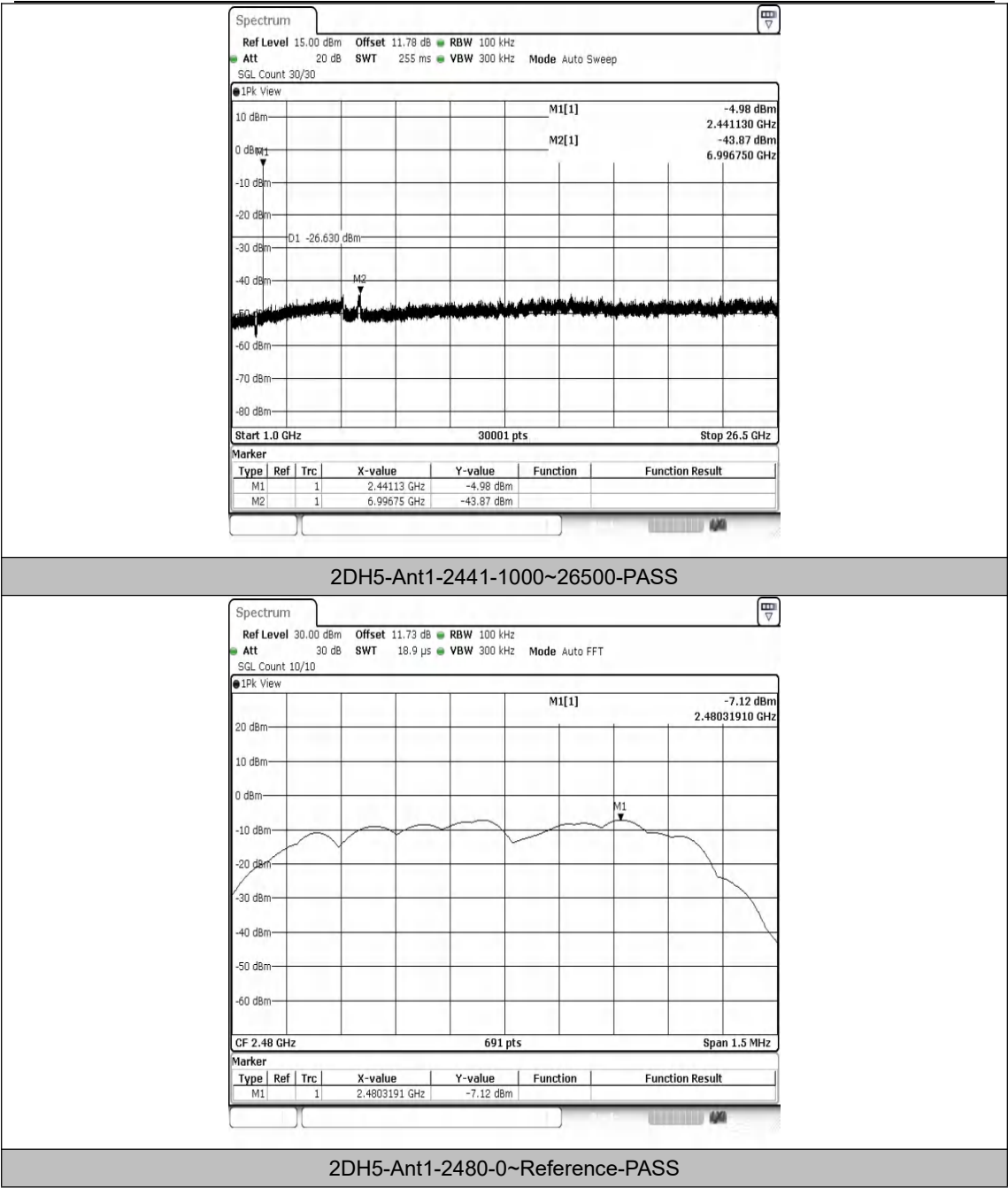


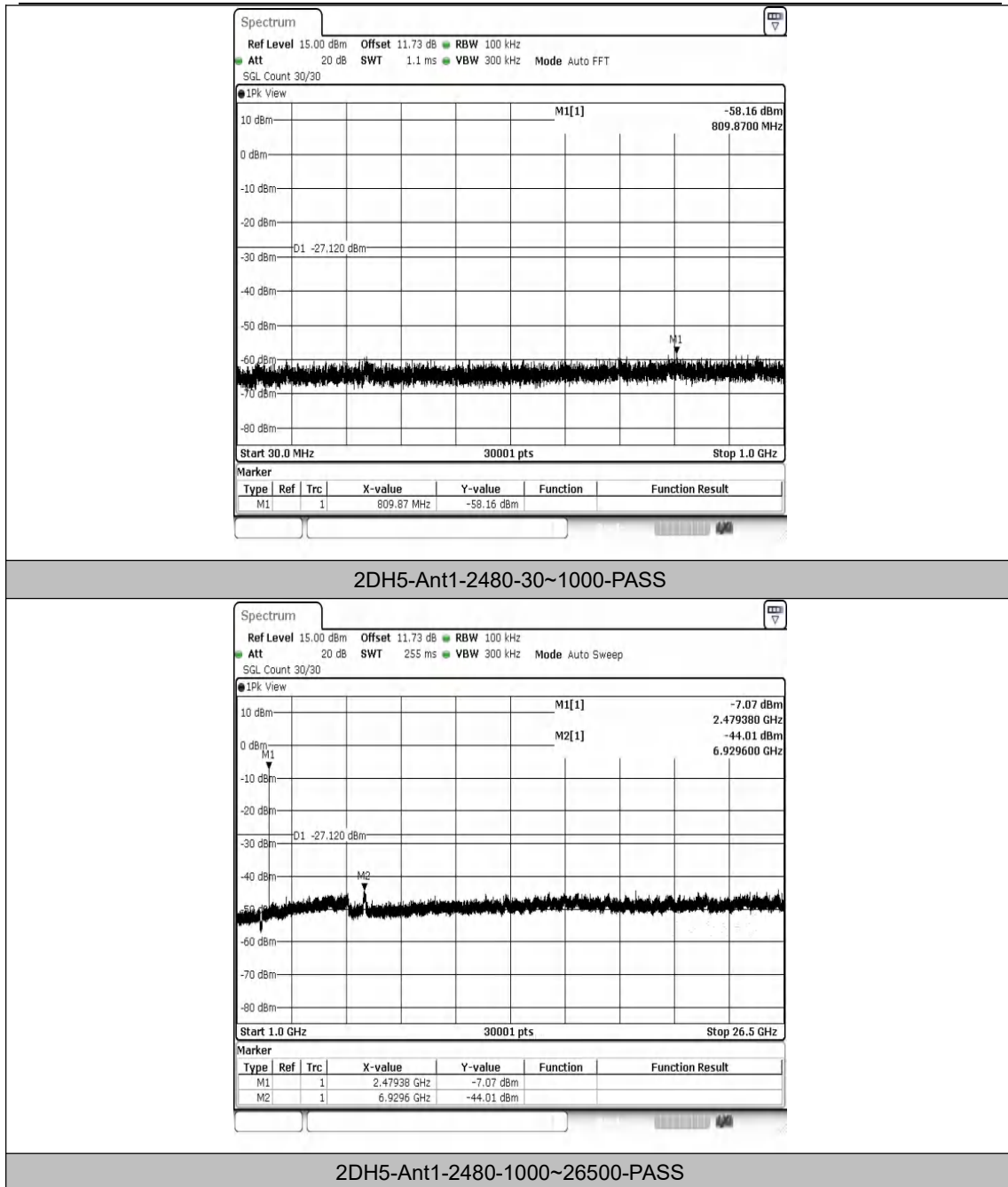


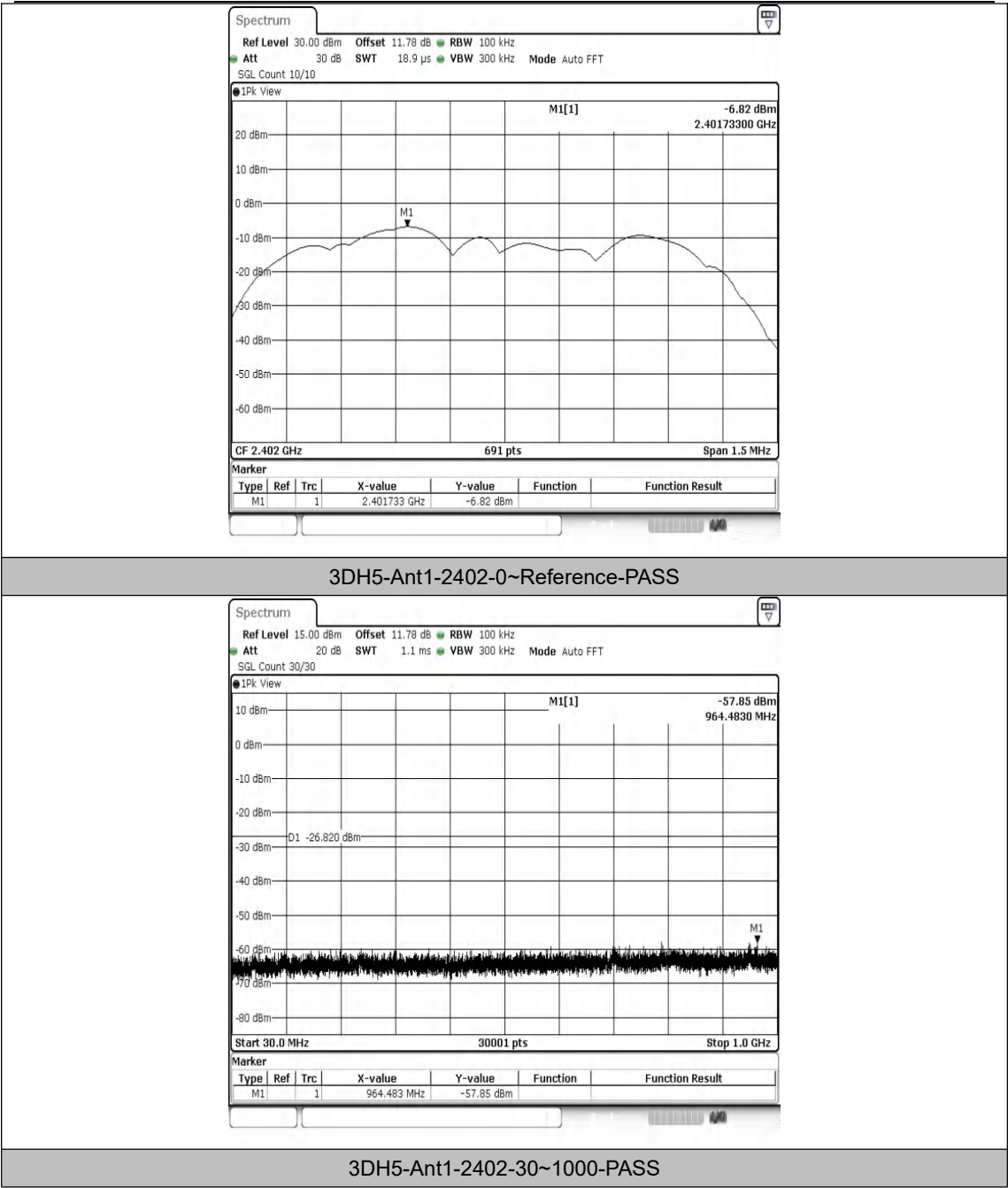


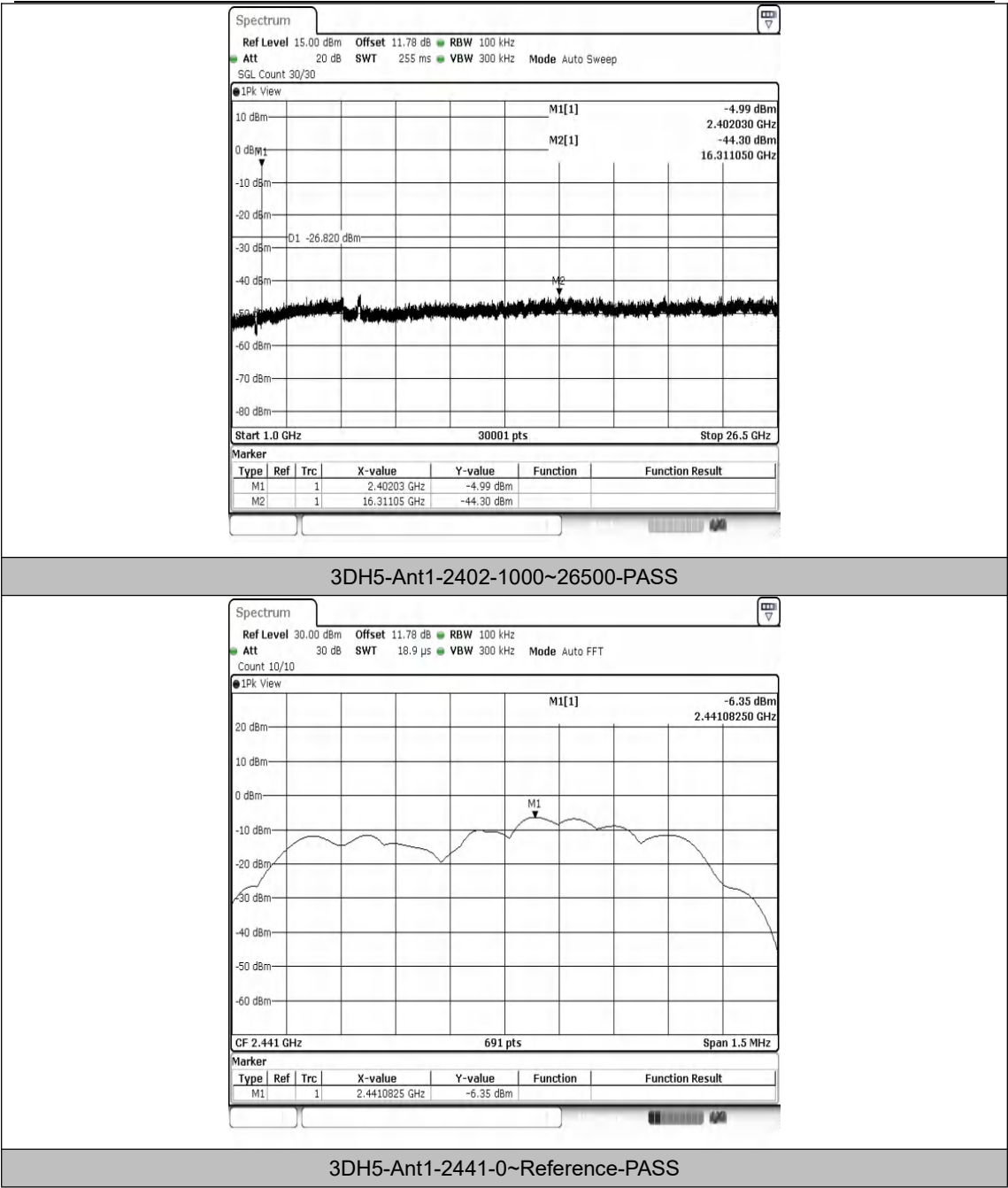


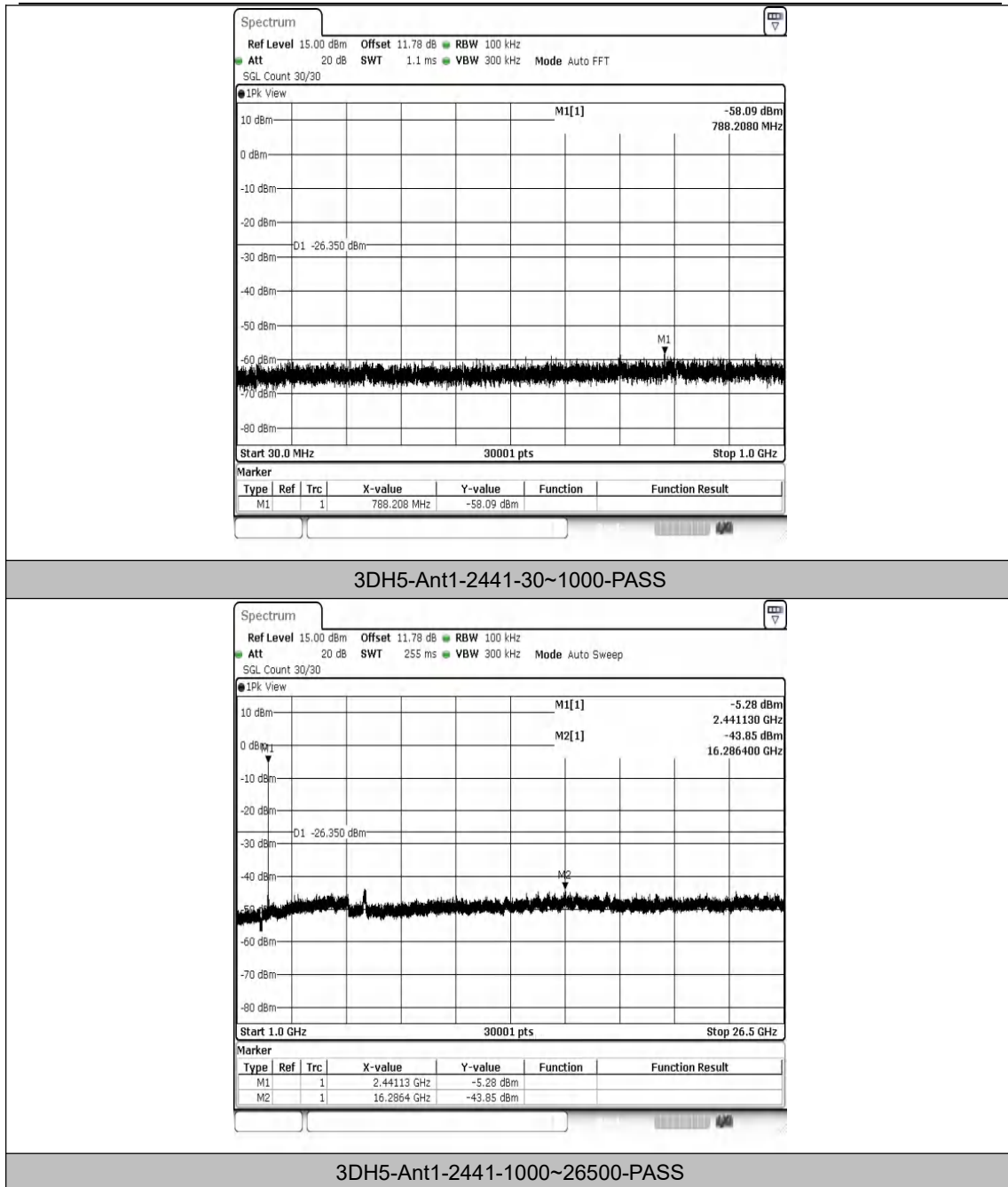


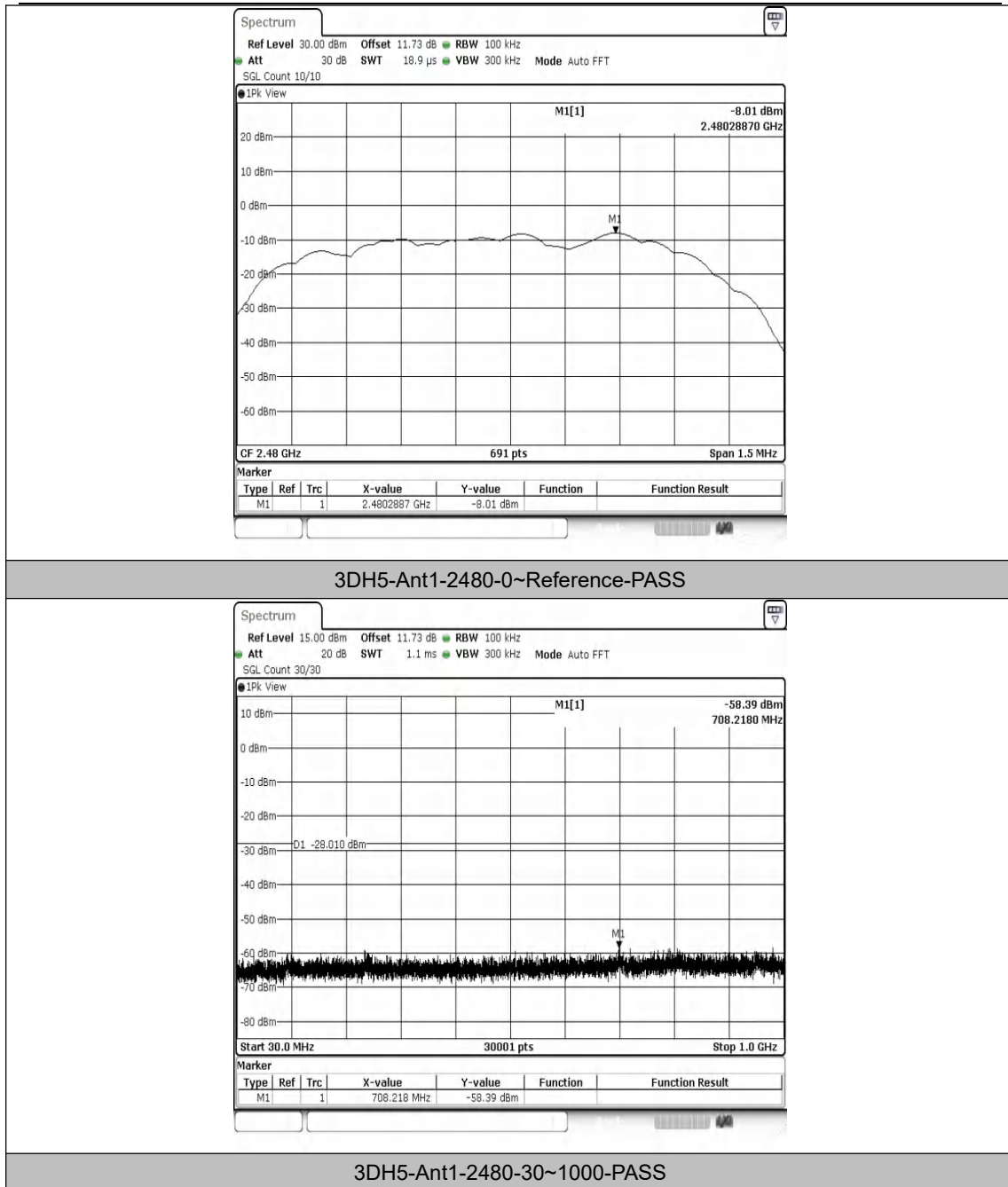


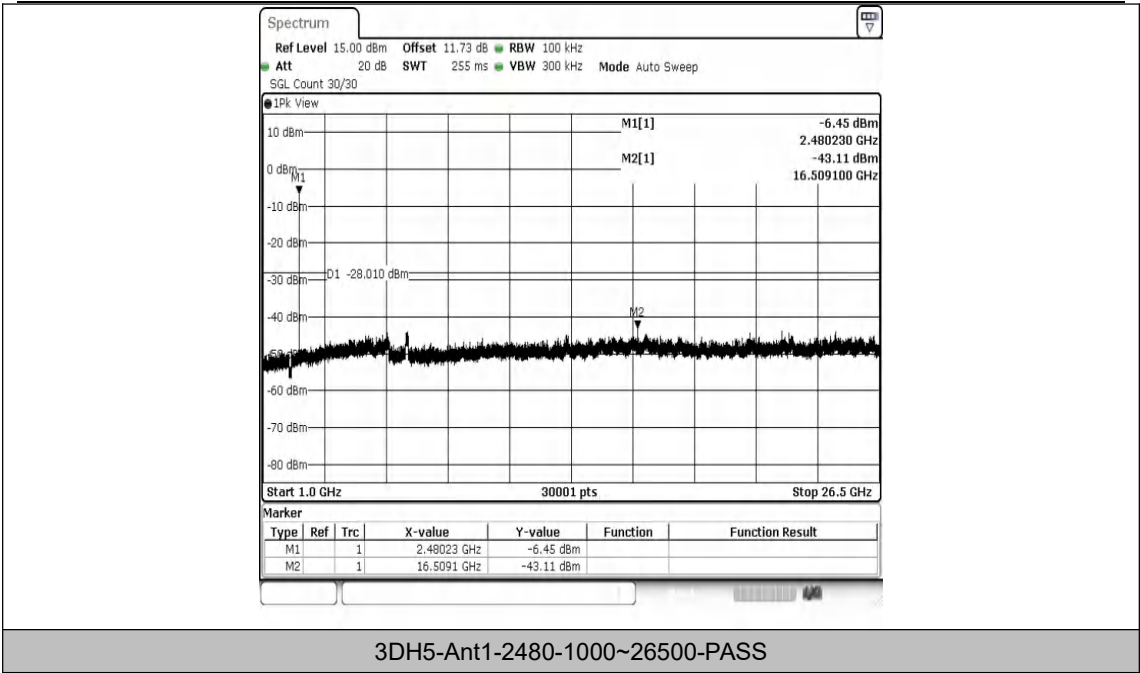












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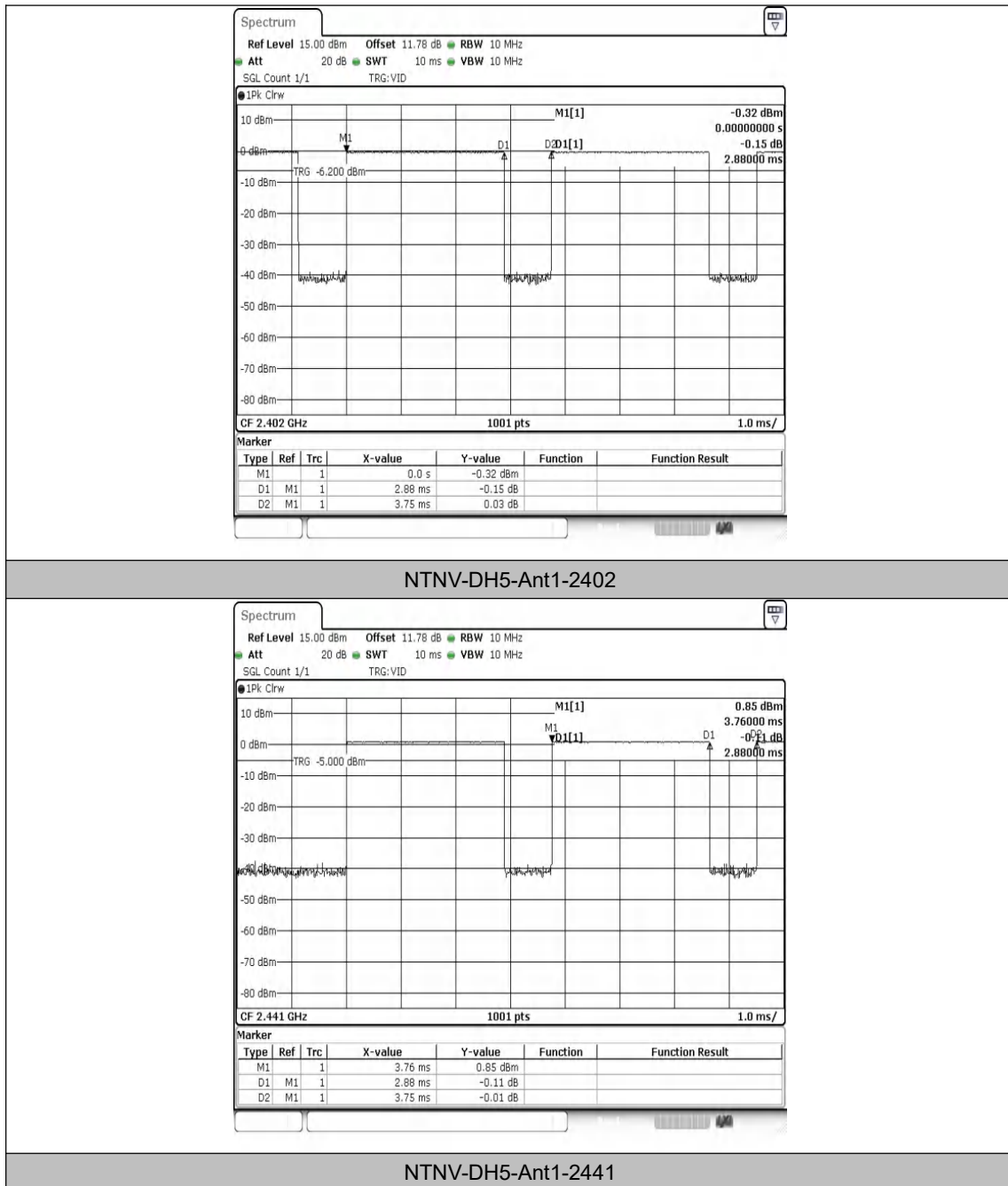
Appendix I: Duty Cycle

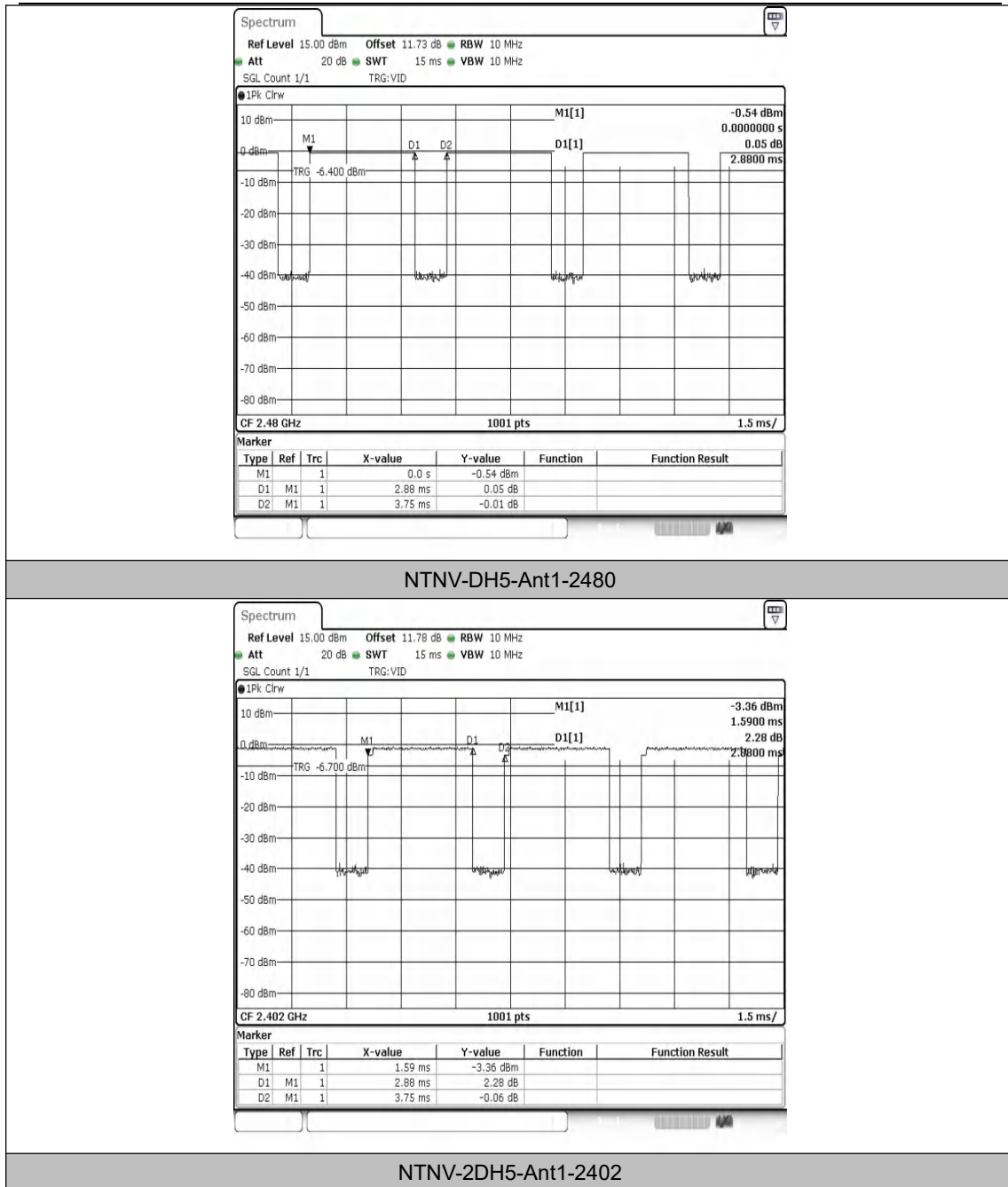
Test Result

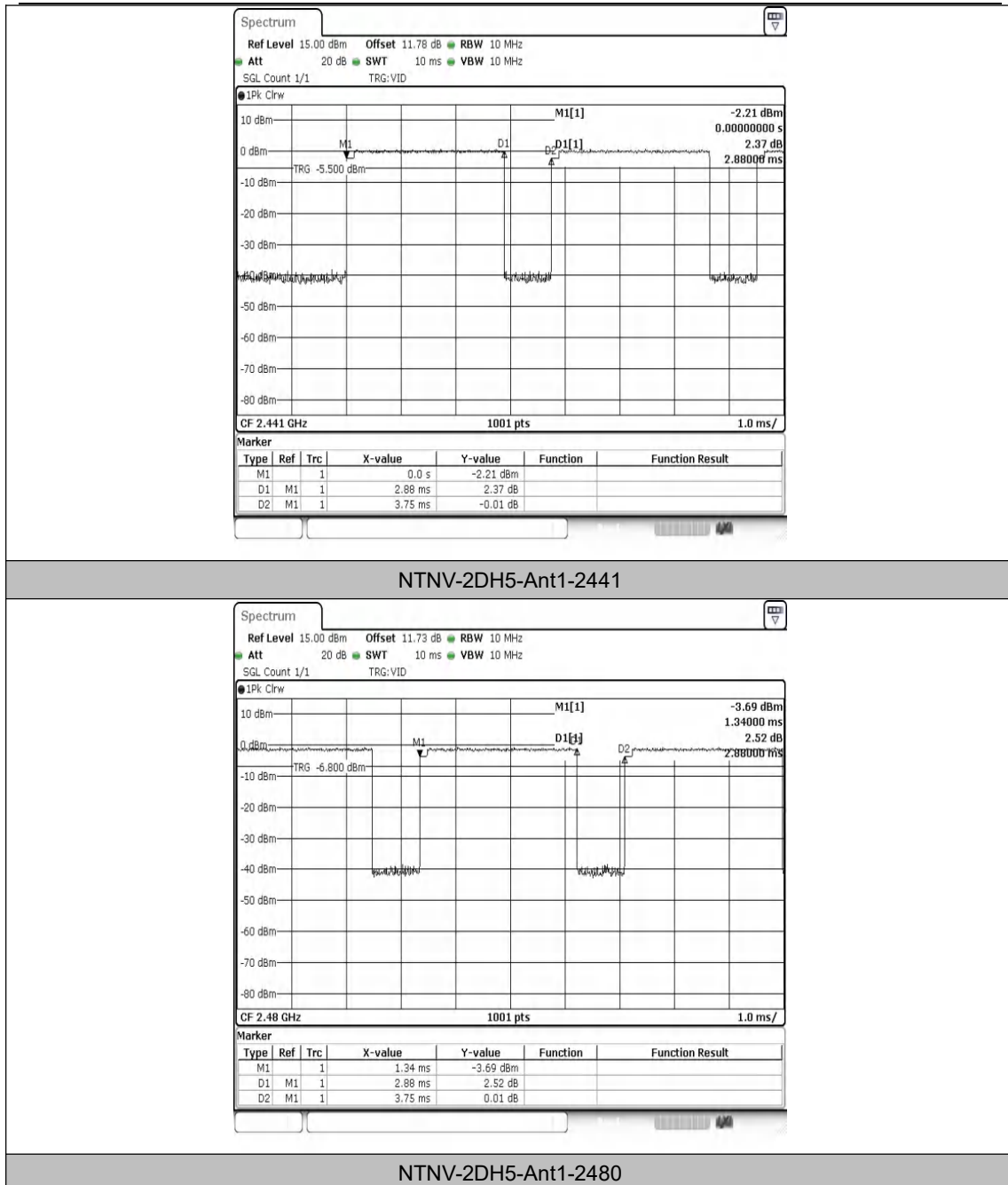
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.76	76.86	1.14

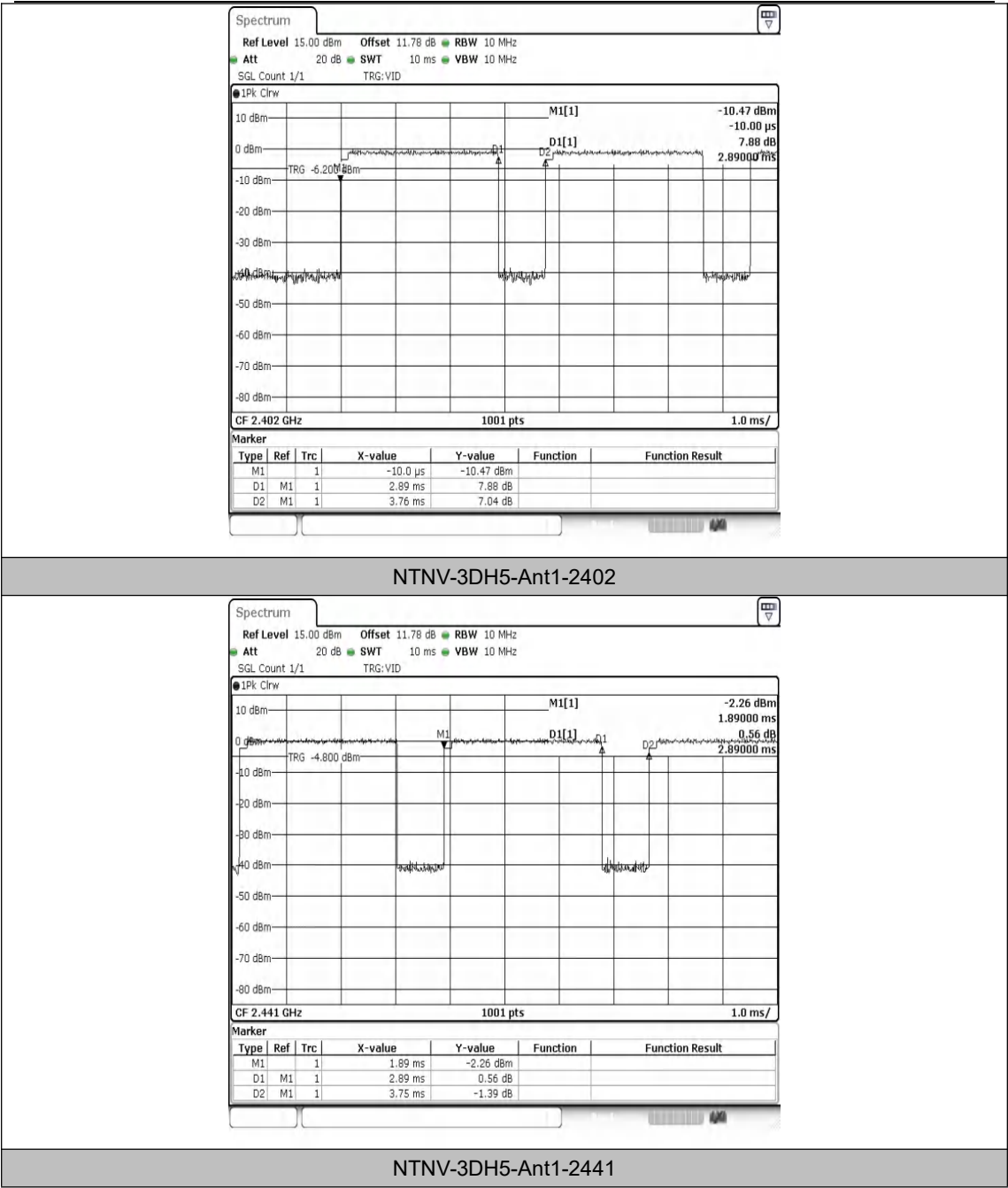


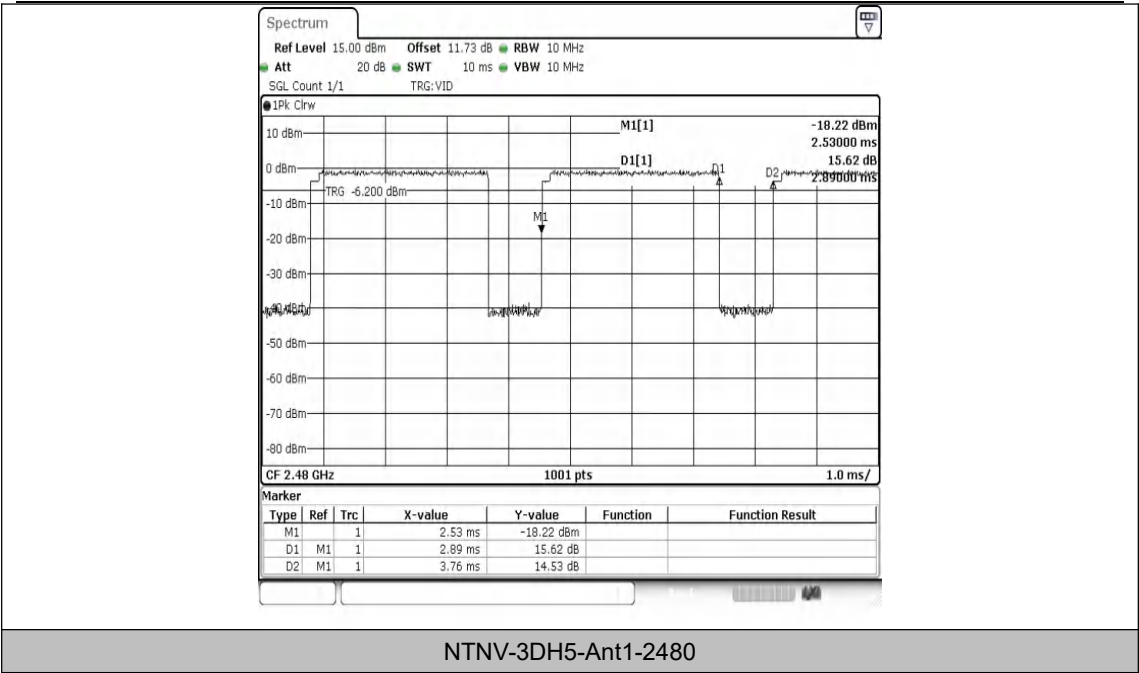
Test Graphs











---End---

