

Appendix Test Data

Report No.:	1812C40136512501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.12	Finish Test Date:	2024.11.19
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3℃	Relative Humidity:	49%
Pressure:	101kPa		

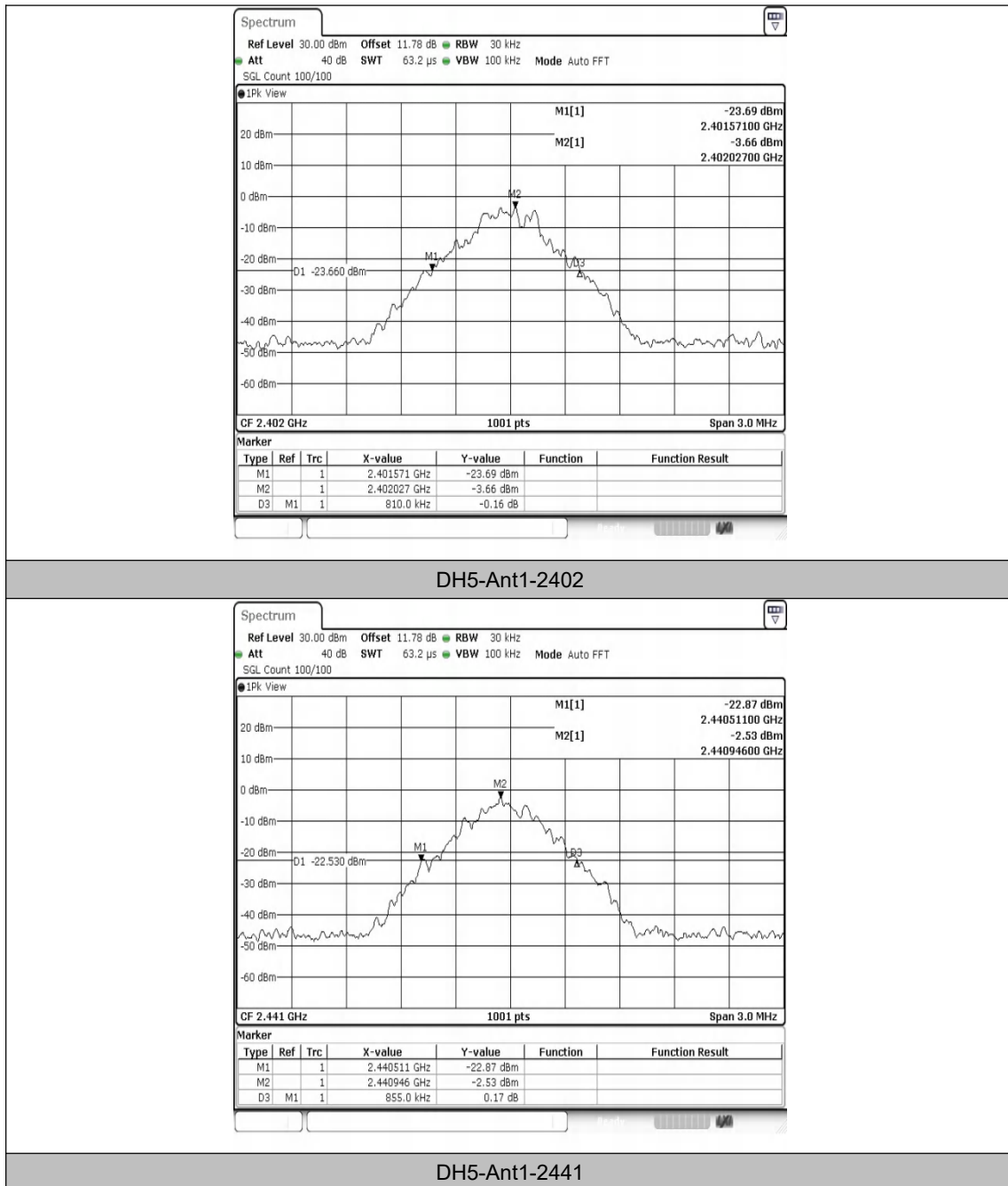
Appendix A: 20dB Bandwidth

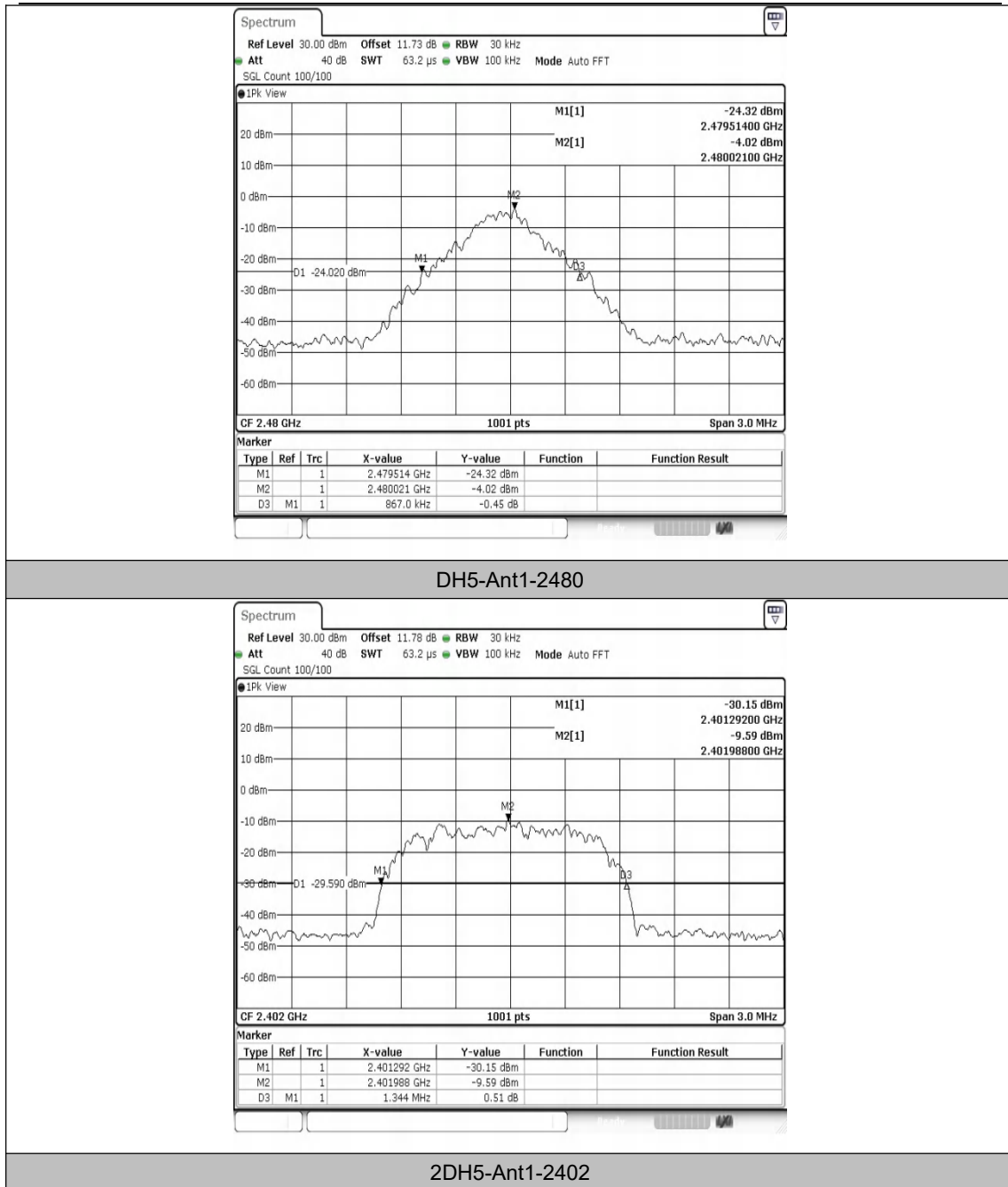
Test Result

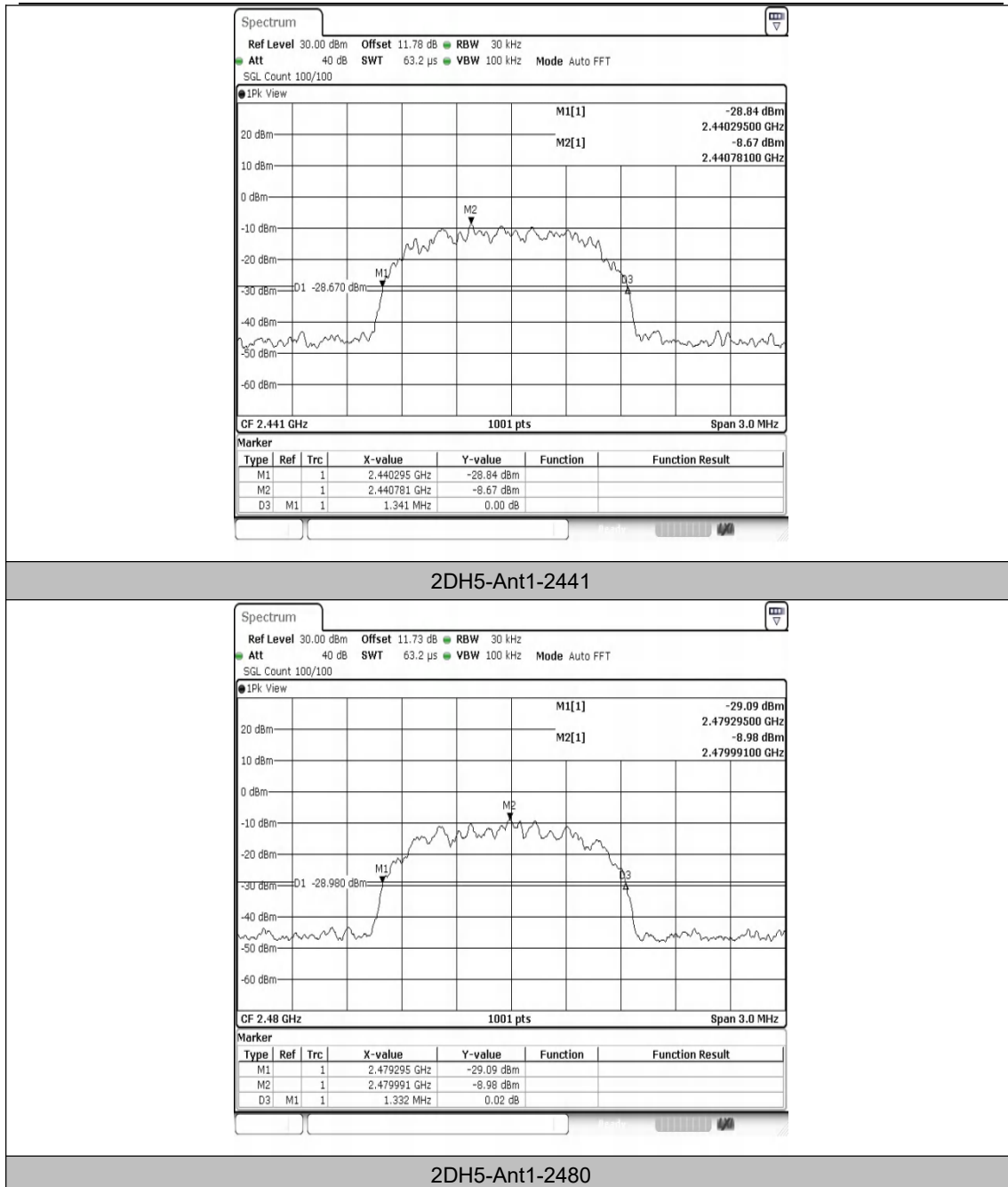
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.81	2401.57	2402.38	---	---
DH5	Ant1	2441	0.86	2440.51	2441.37	---	---
DH5	Ant1	2480	0.87	2479.51	2480.38	---	---
2DH5	Ant1	2402	1.34	2401.29	2402.64	---	---
2DH5	Ant1	2441	1.34	2440.30	2441.64	---	---
2DH5	Ant1	2480	1.33	2479.30	2480.63	---	---
3DH5	Ant1	2402	1.34	2401.29	2402.63	---	---
3DH5	Ant1	2441	1.32	2440.31	2441.63	---	---
3DH5	Ant1	2480	1.31	2479.31	2480.62	---	---

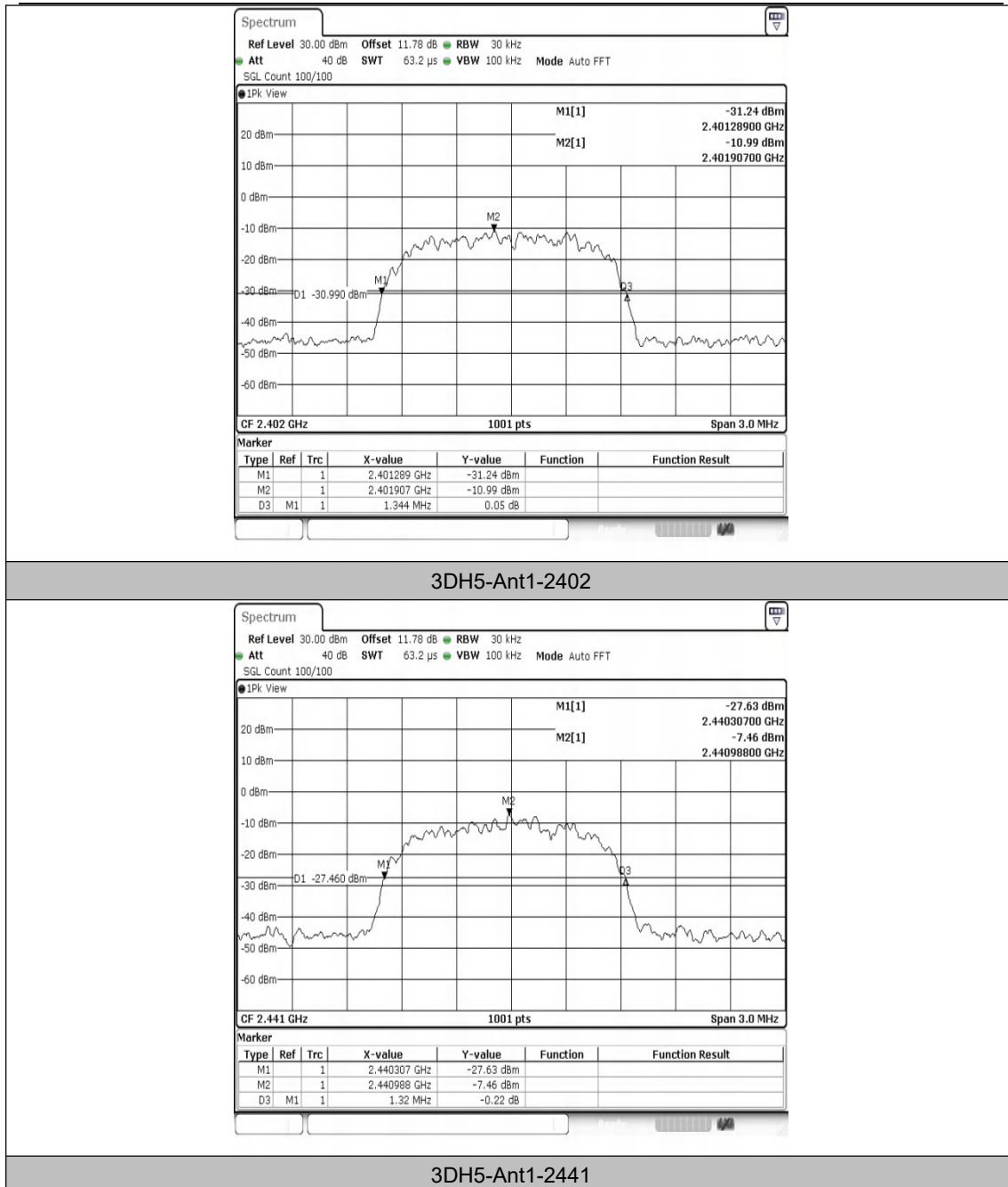


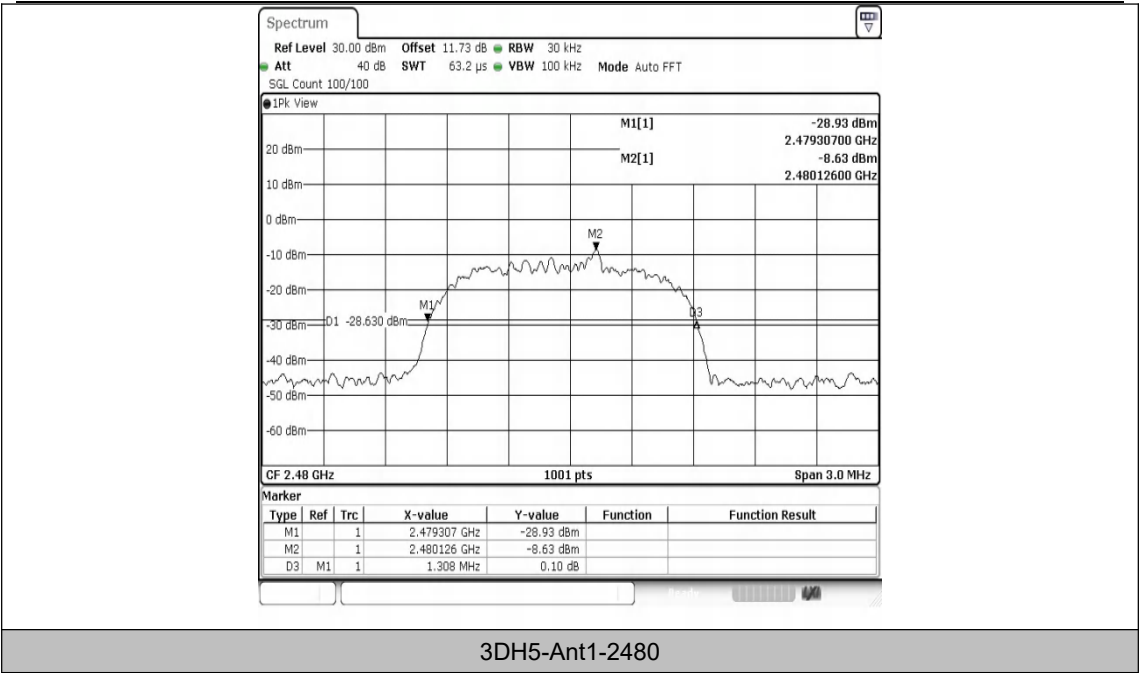
Test Graphs











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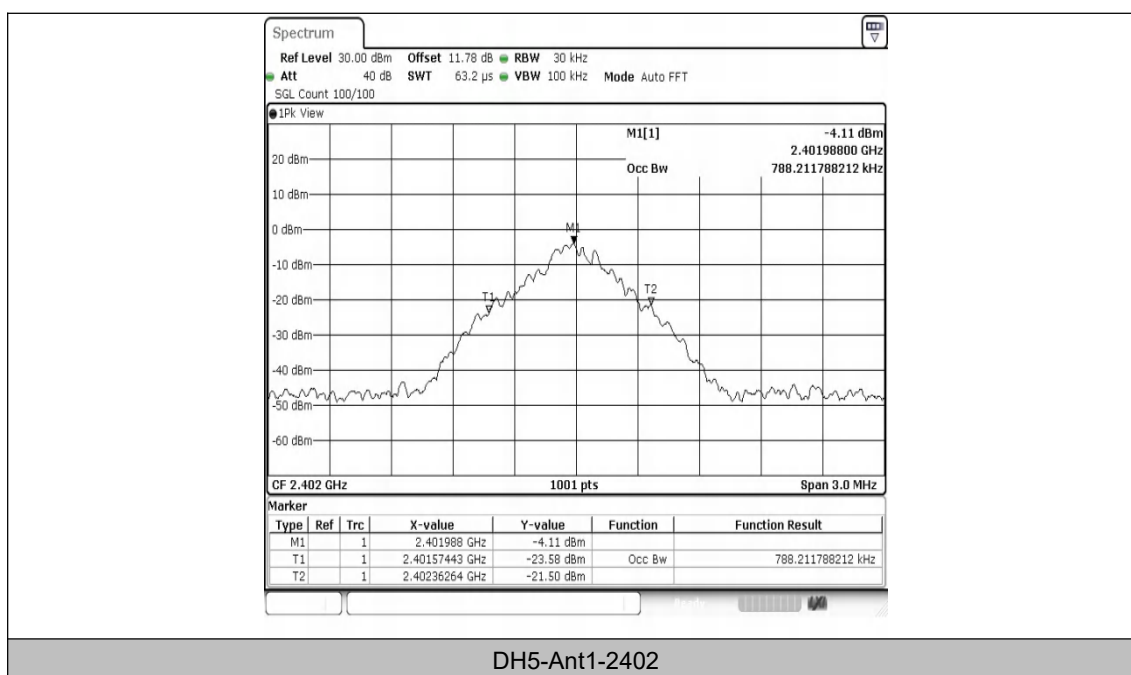


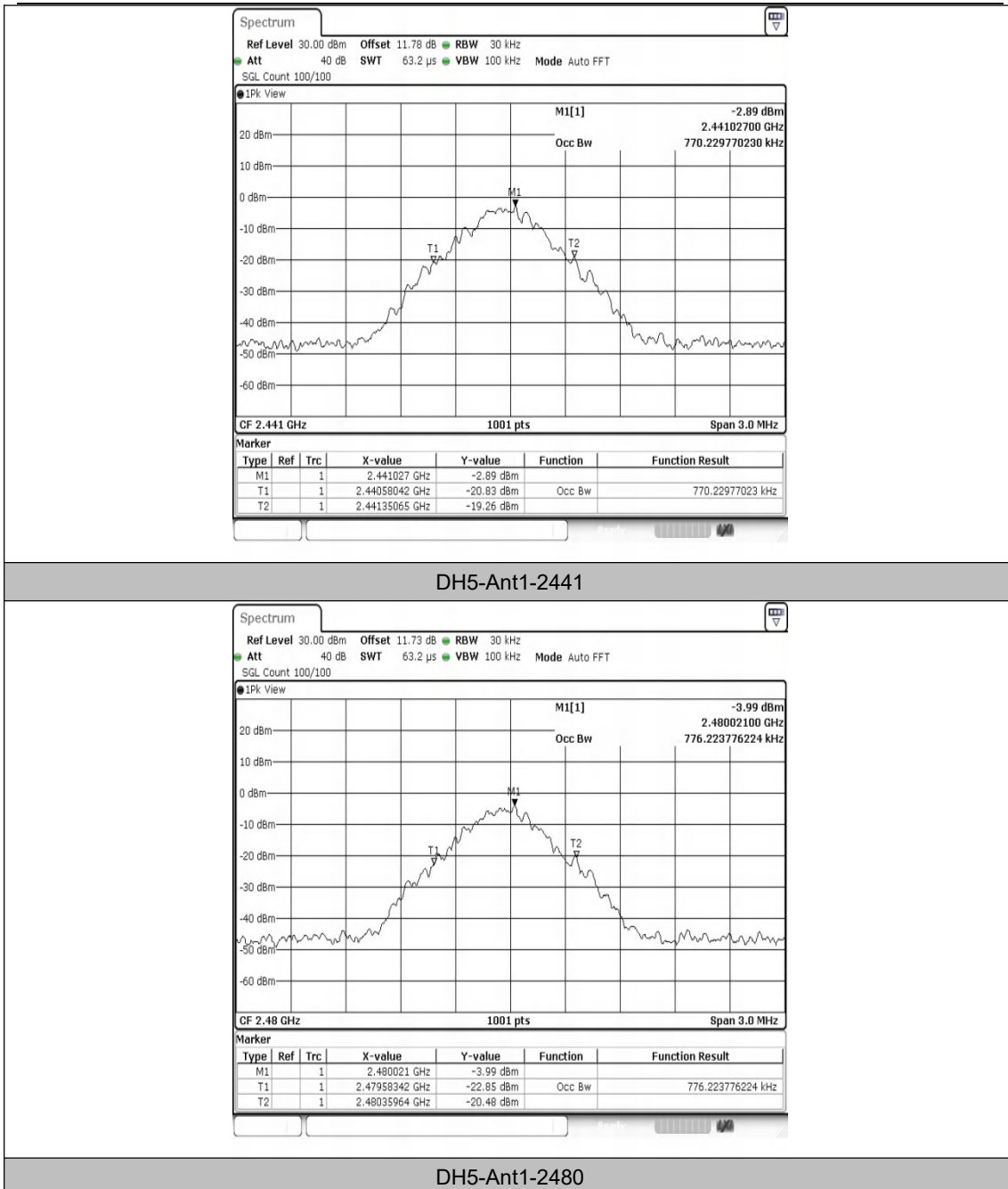
Appendix B: 99% Occupied Bandwidth

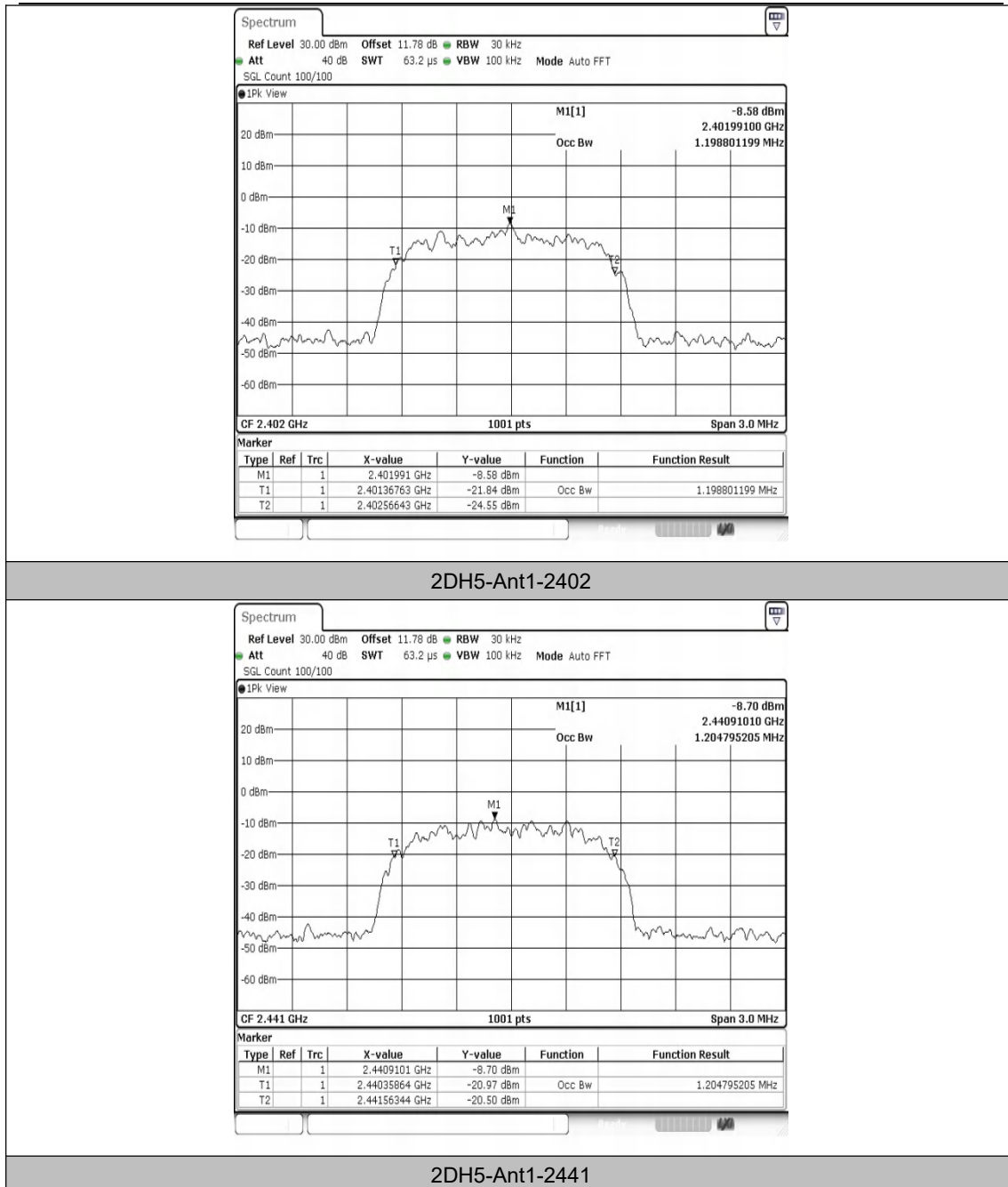
Test Result

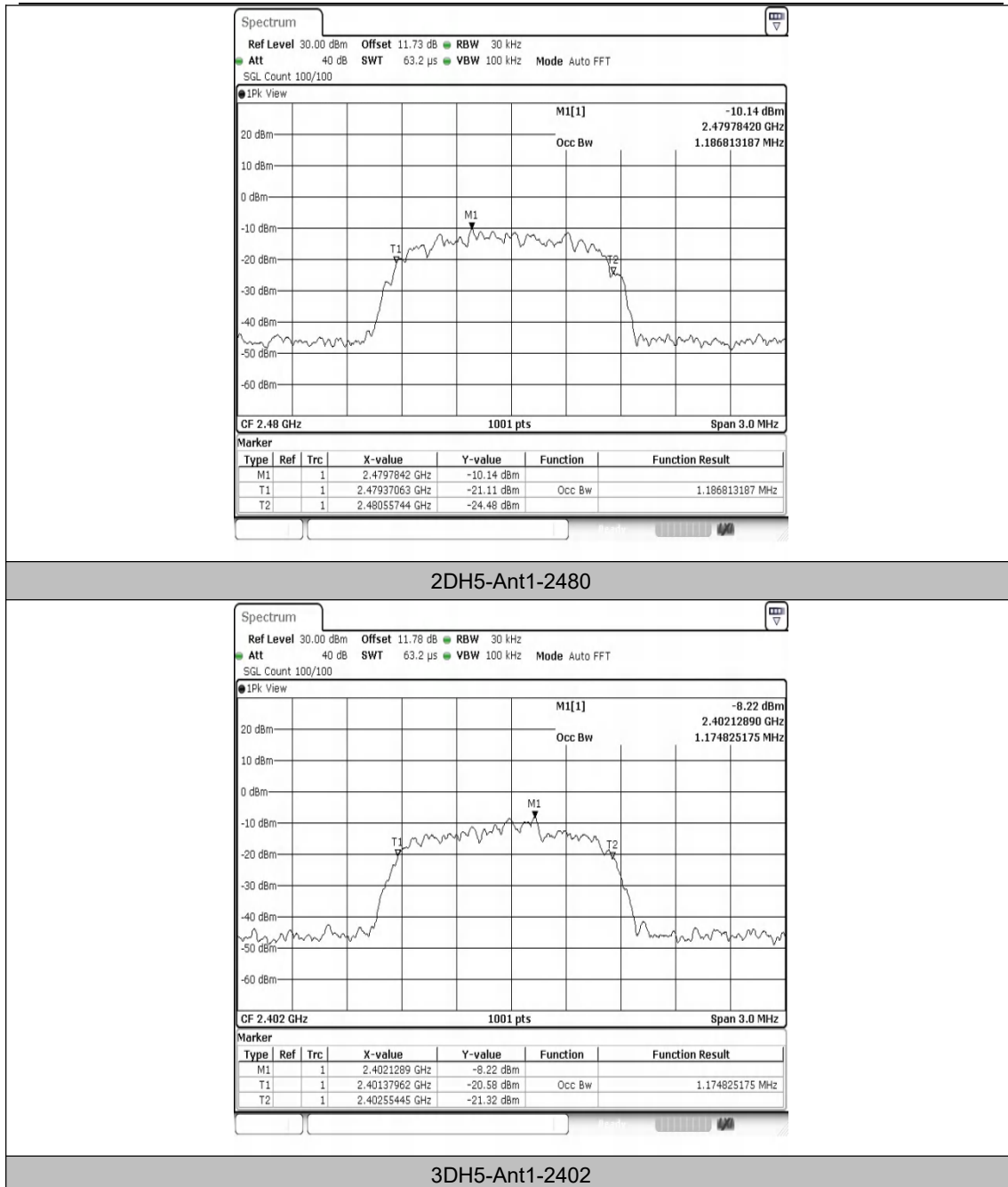
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.788	2401.5744	2402.3626	---	---
DH5	Ant1	2441	0.77	2440.5804	2441.3506	---	---
DH5	Ant1	2480	0.776	2479.5834	2480.3596	---	---
2DH5	Ant1	2402	1.199	2401.3676	2402.5664	---	---
2DH5	Ant1	2441	1.205	2440.3586	2441.5634	---	---
2DH5	Ant1	2480	1.187	2479.3706	2480.5574	---	---
3DH5	Ant1	2402	1.175	2401.3796	2402.5544	---	---
3DH5	Ant1	2441	1.19	2440.3556	2441.5455	---	---
3DH5	Ant1	2480	1.196	2479.3616	2480.5574	---	---

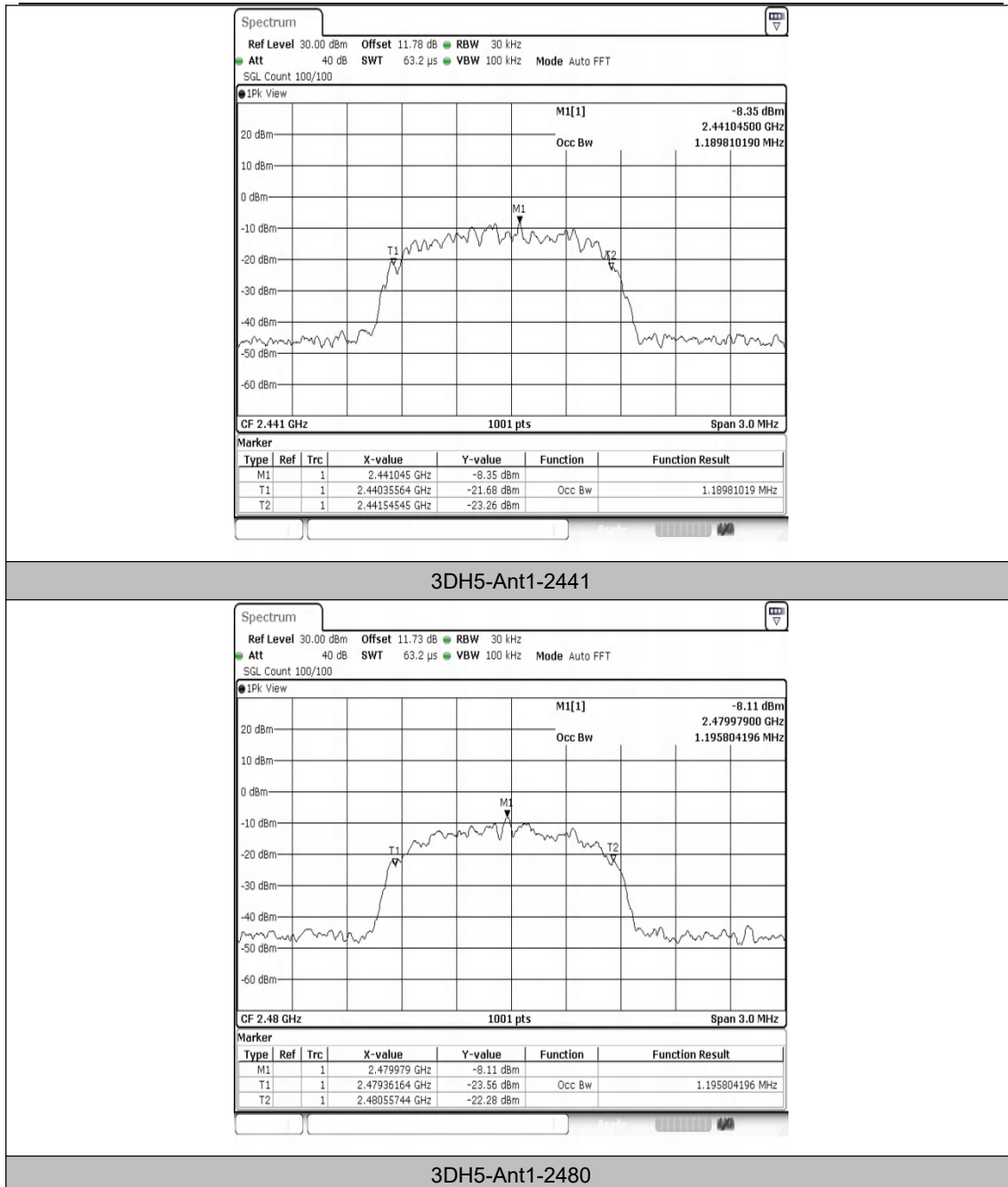
Test Graphs









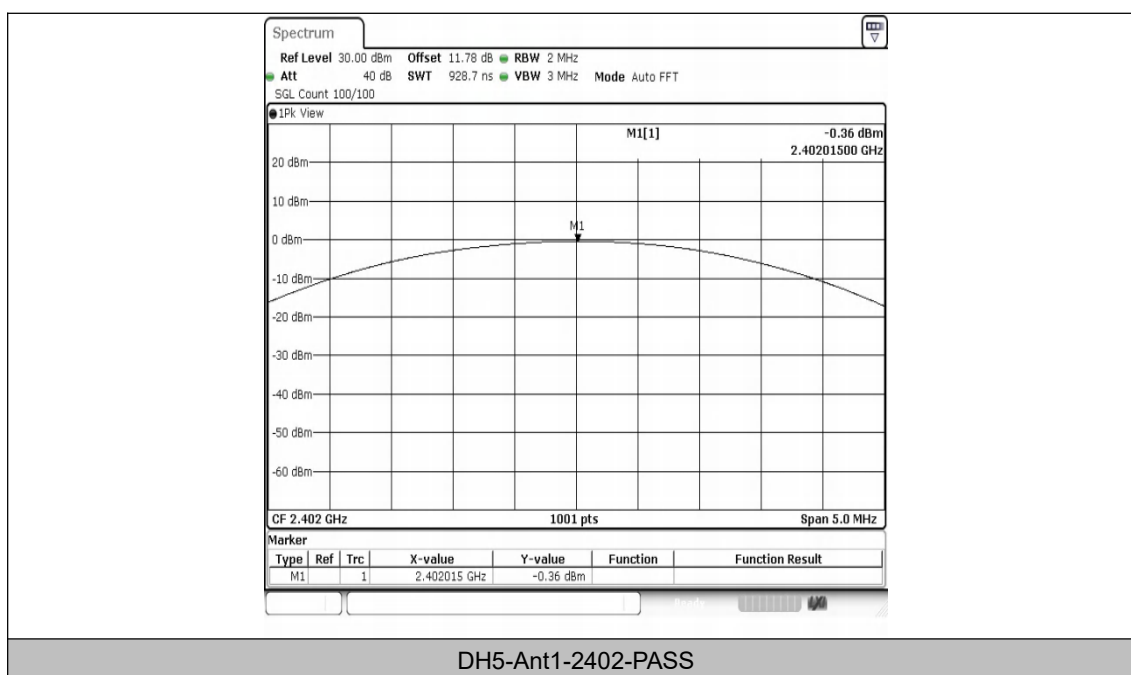


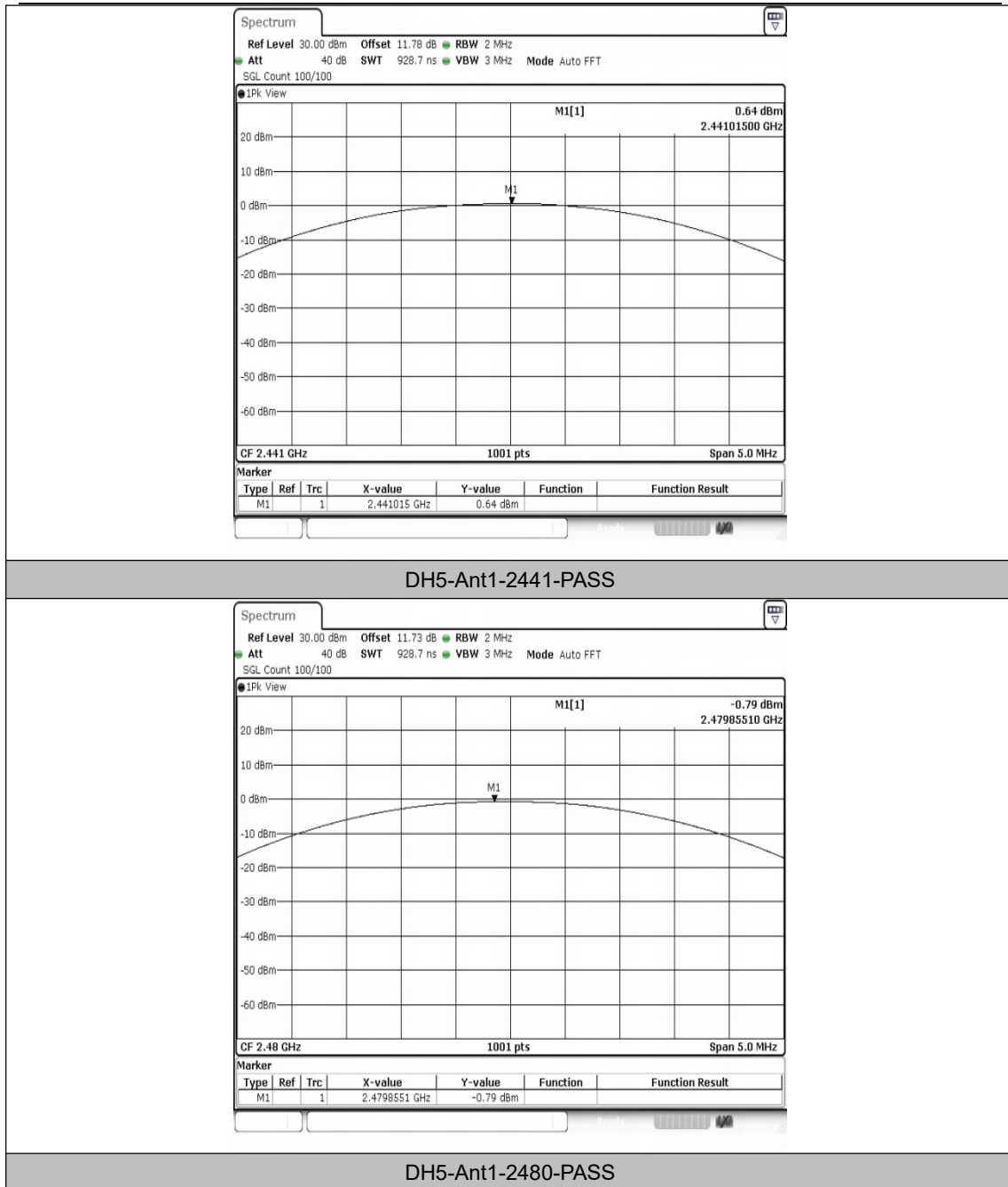
Appendix C: Maximum Conducted Output Power

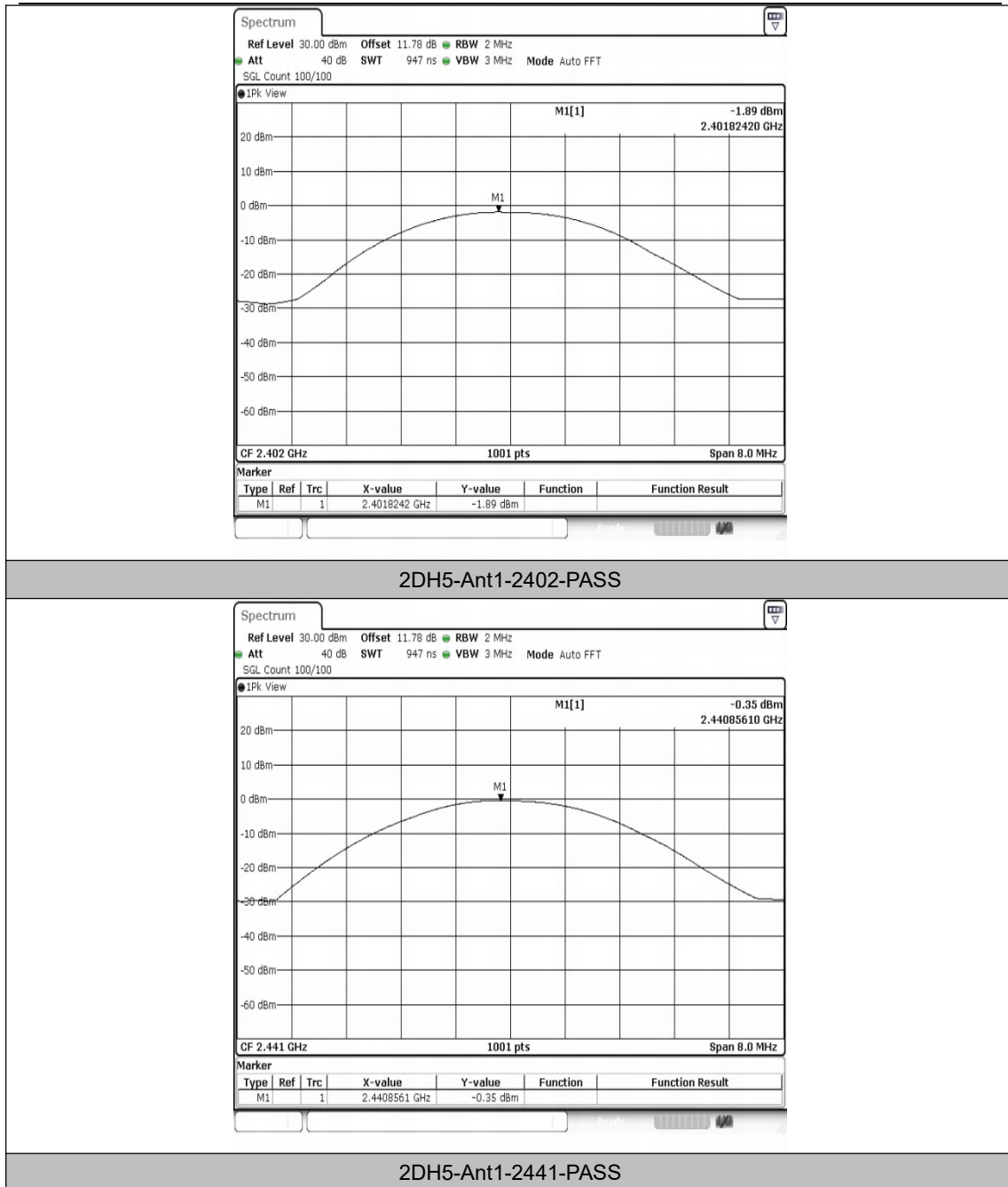
Test Result Peak

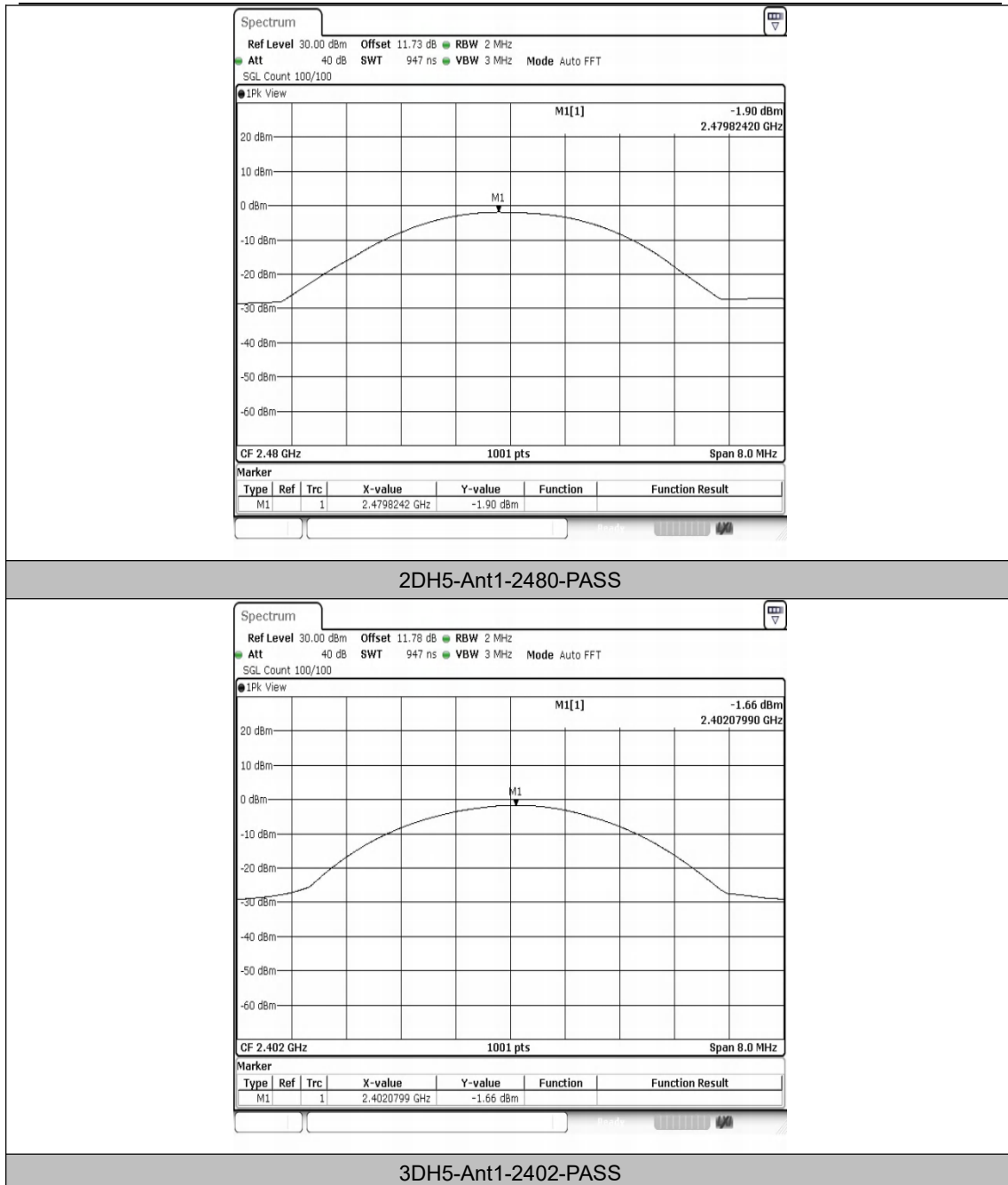
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.36	≤30	PASS
DH5	Ant1	2441	0.64	≤30	PASS
DH5	Ant1	2480	-0.79	≤30	PASS
2DH5	Ant1	2402	-1.89	≤30	PASS
2DH5	Ant1	2441	-0.35	≤30	PASS
2DH5	Ant1	2480	-1.90	≤30	PASS
3DH5	Ant1	2402	-1.66	≤20.97	PASS
3DH5	Ant1	2441	0.62	≤20.97	PASS
3DH5	Ant1	2480	-2.13	≤20.97	PASS

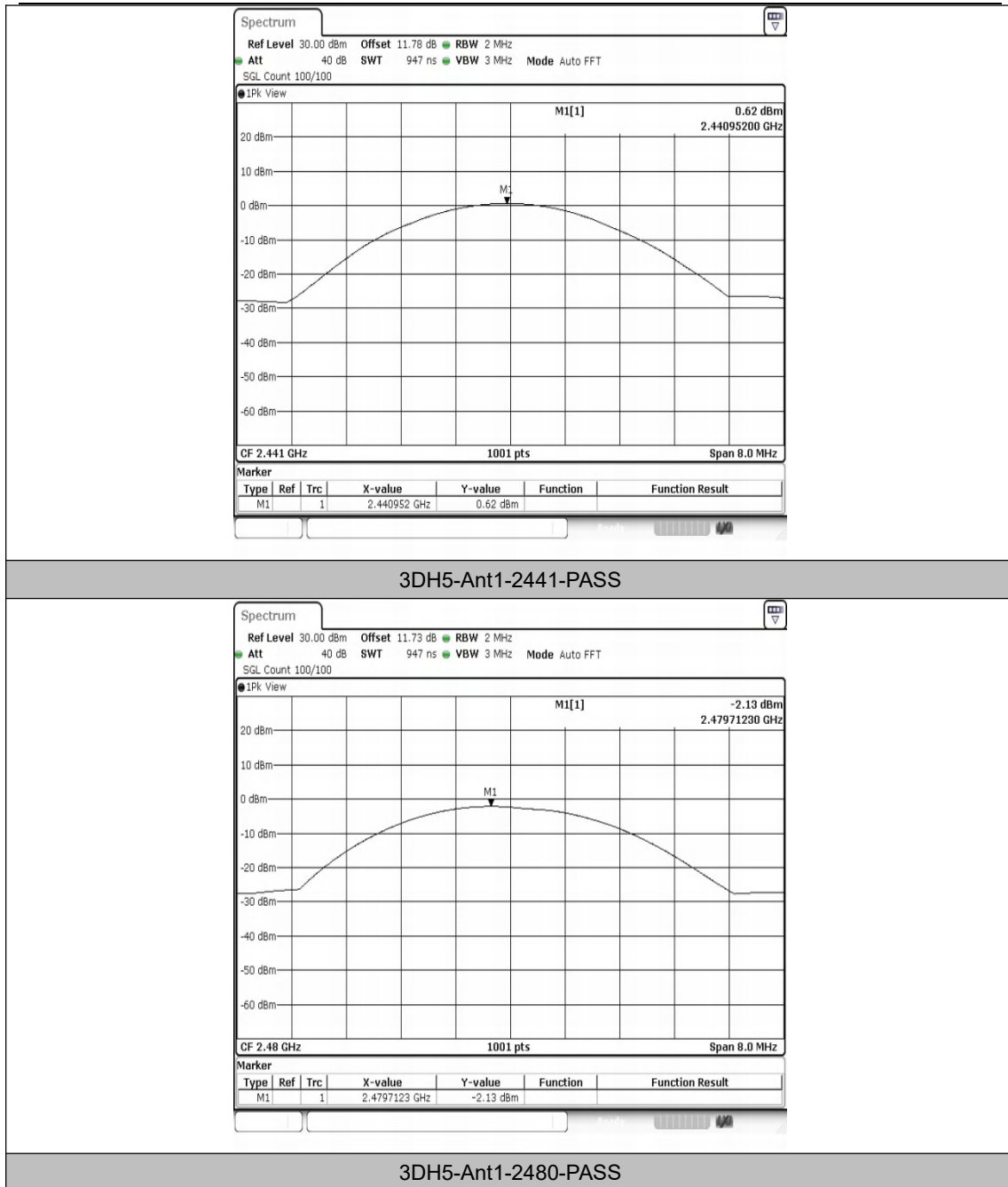
Test Graphs









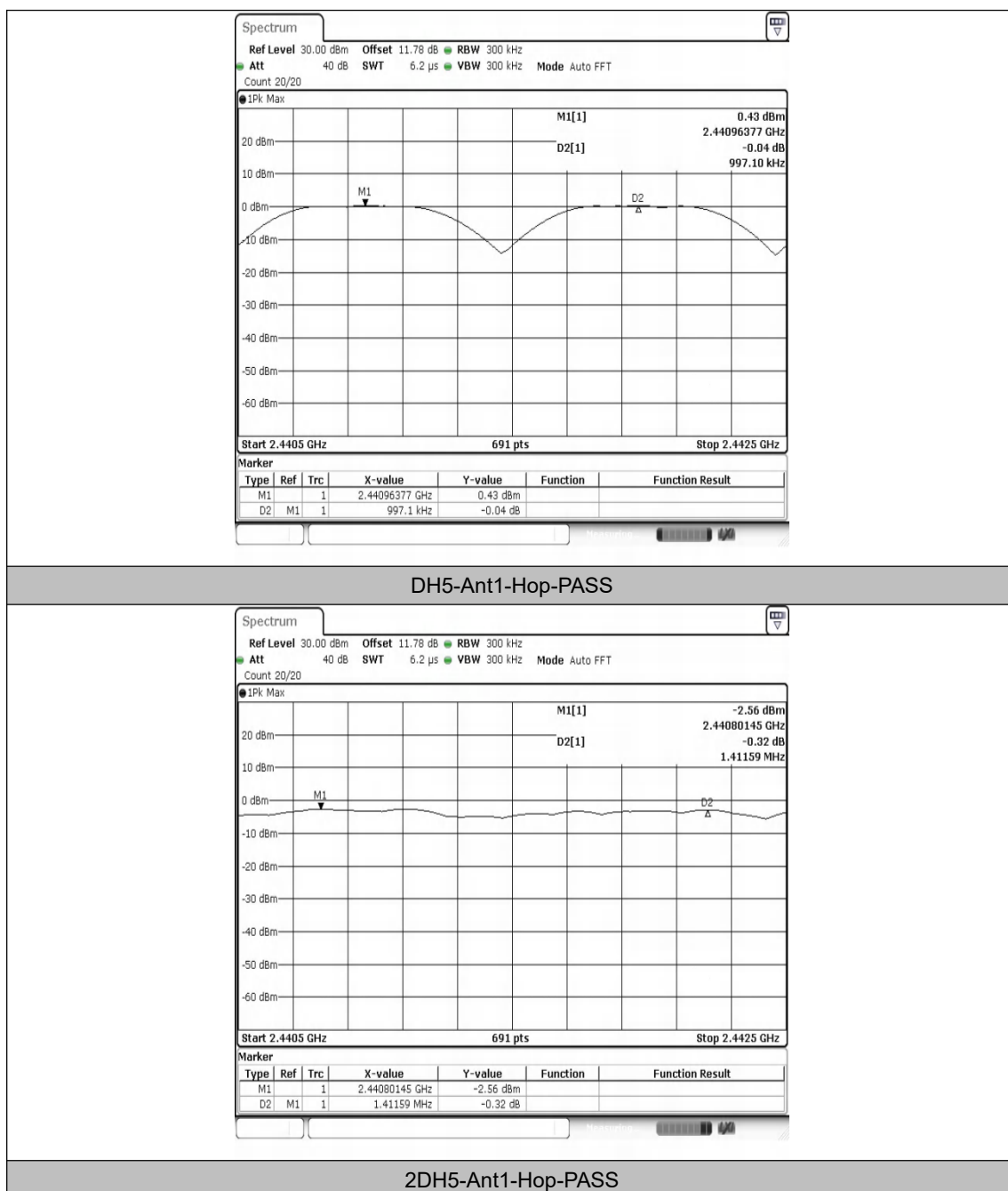


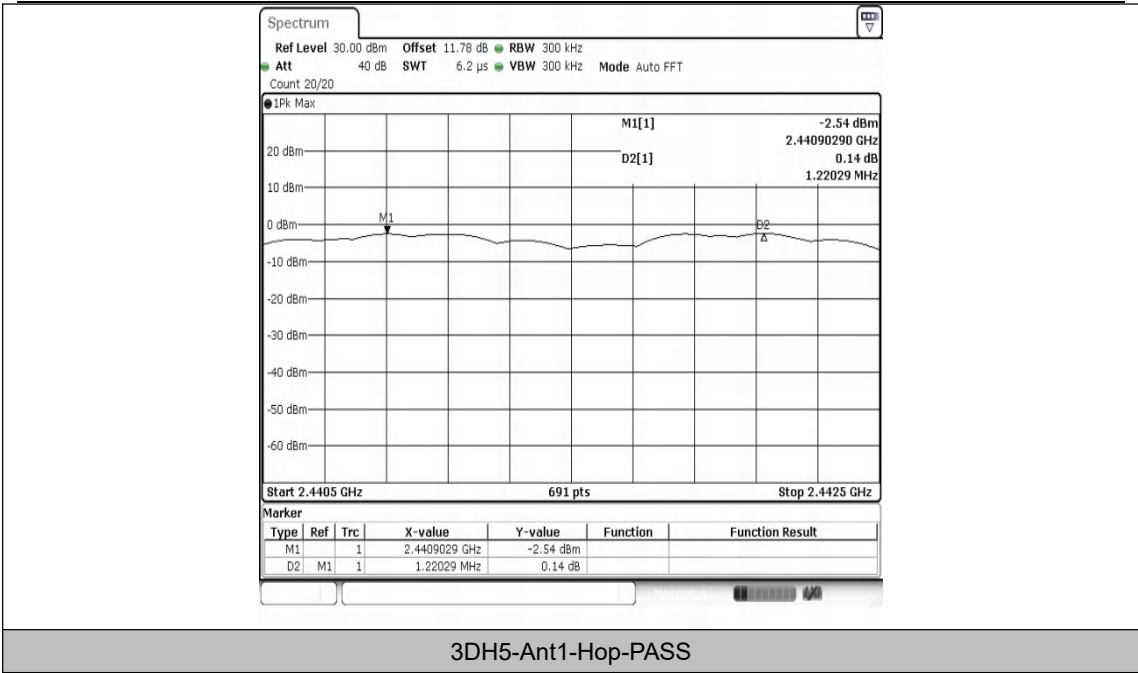
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥0.870	PASS
2DH5	Ant1	Hop	1.412	≥1.340	PASS
3DH5	Ant1	Hop	1.22	≥0.893	PASS

Test Graphs





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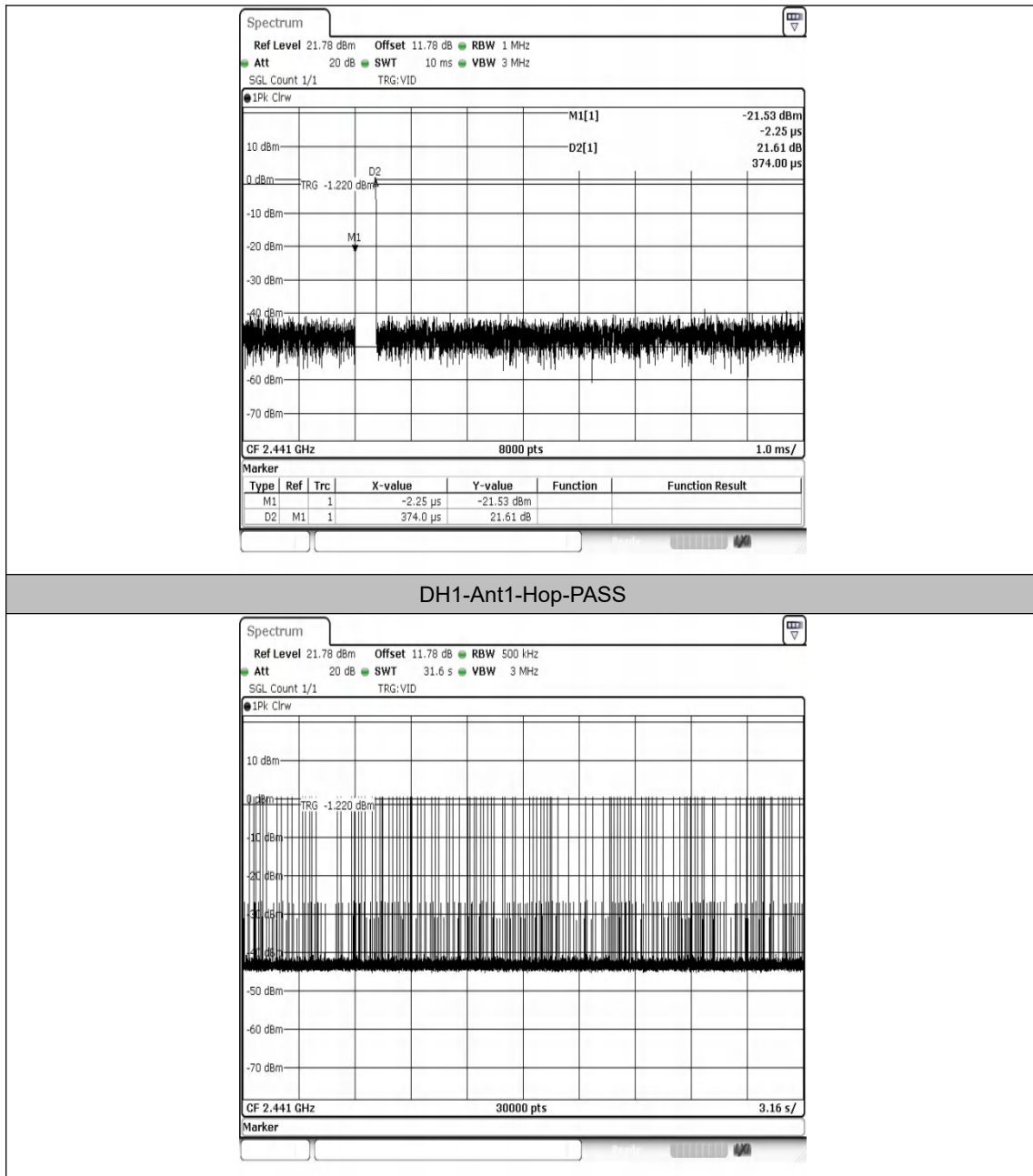
Appendix E: Dwell Time

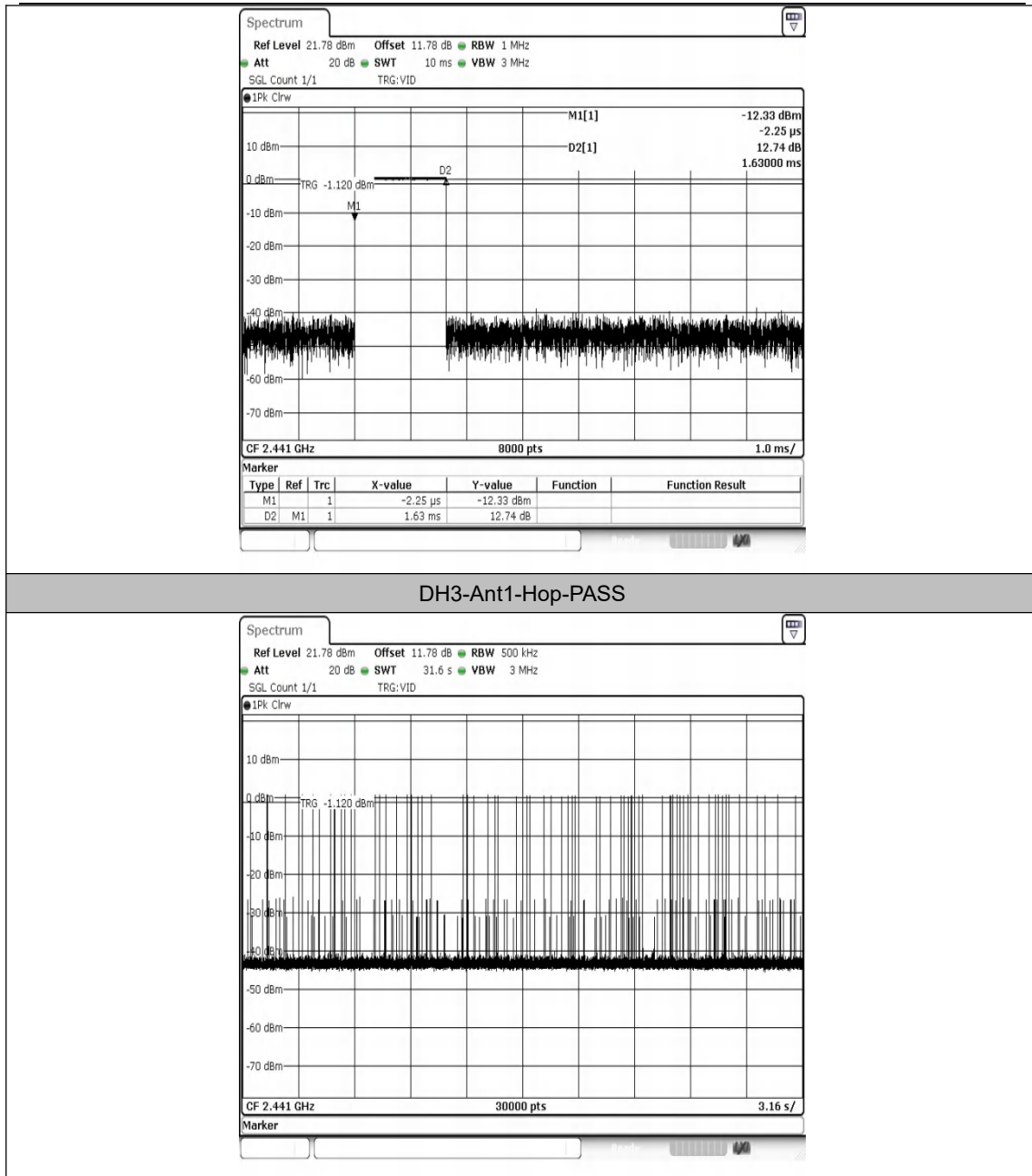
Test Result

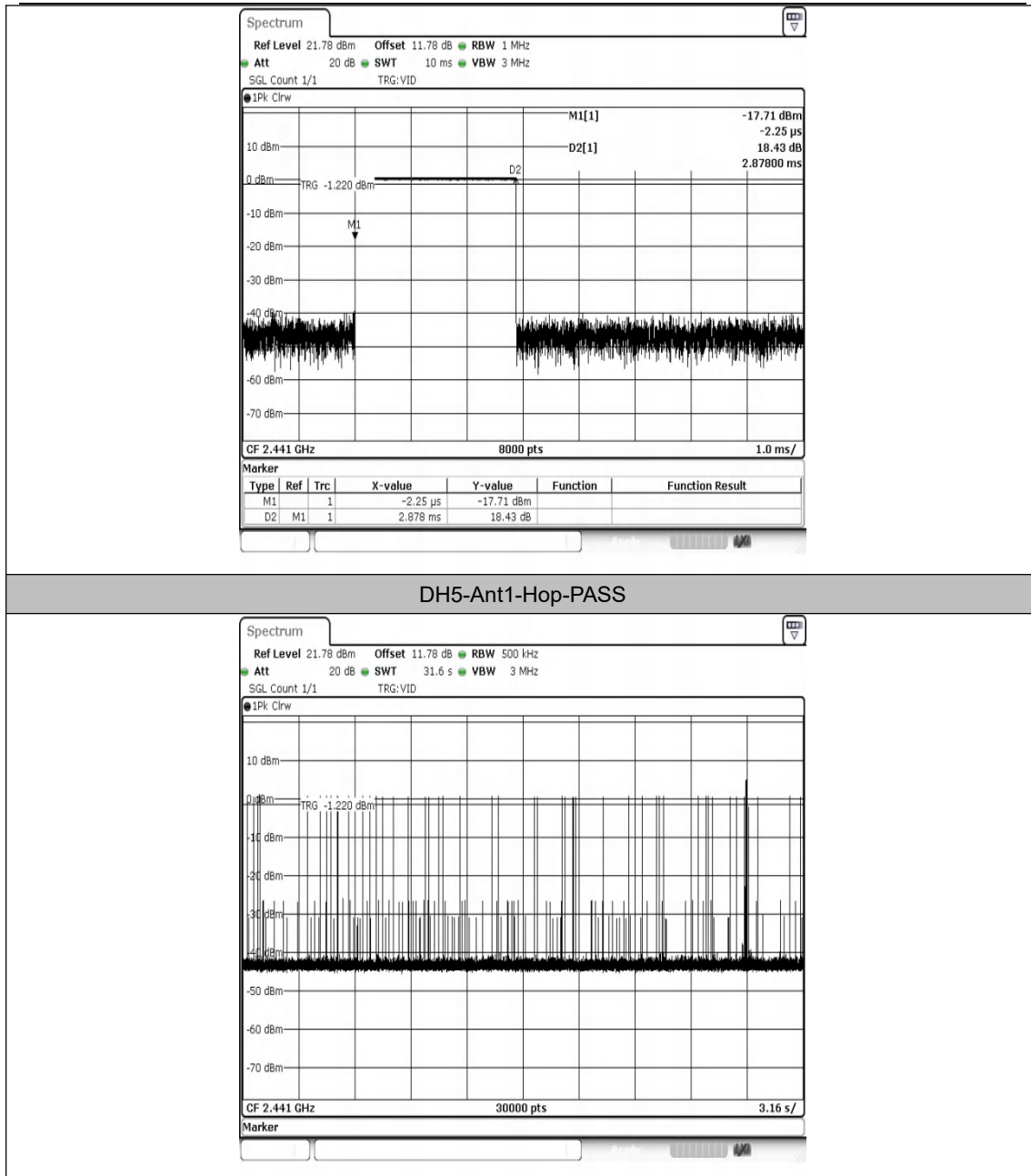
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.374	125	0.047	≤0.4	PASS
DH3	Ant1	Hop	1.630	69	0.112	≤0.4	PASS
DH5	Ant1	Hop	2.878	52	0.15	≤0.4	PASS
2DH1	Ant1	Hop	0.383	117	0.045	≤0.4	PASS
2DH3	Ant1	Hop	1.634	69	0.113	≤0.4	PASS
2DH5	Ant1	Hop	2.883	37	0.107	≤0.4	PASS
3DH1	Ant1	Hop	0.381	117	0.045	≤0.4	PASS
3DH3	Ant1	Hop	1.633	68	0.111	≤0.4	PASS
3DH5	Ant1	Hop	2.884	55	0.159	≤0.4	PASS



Test Graphs





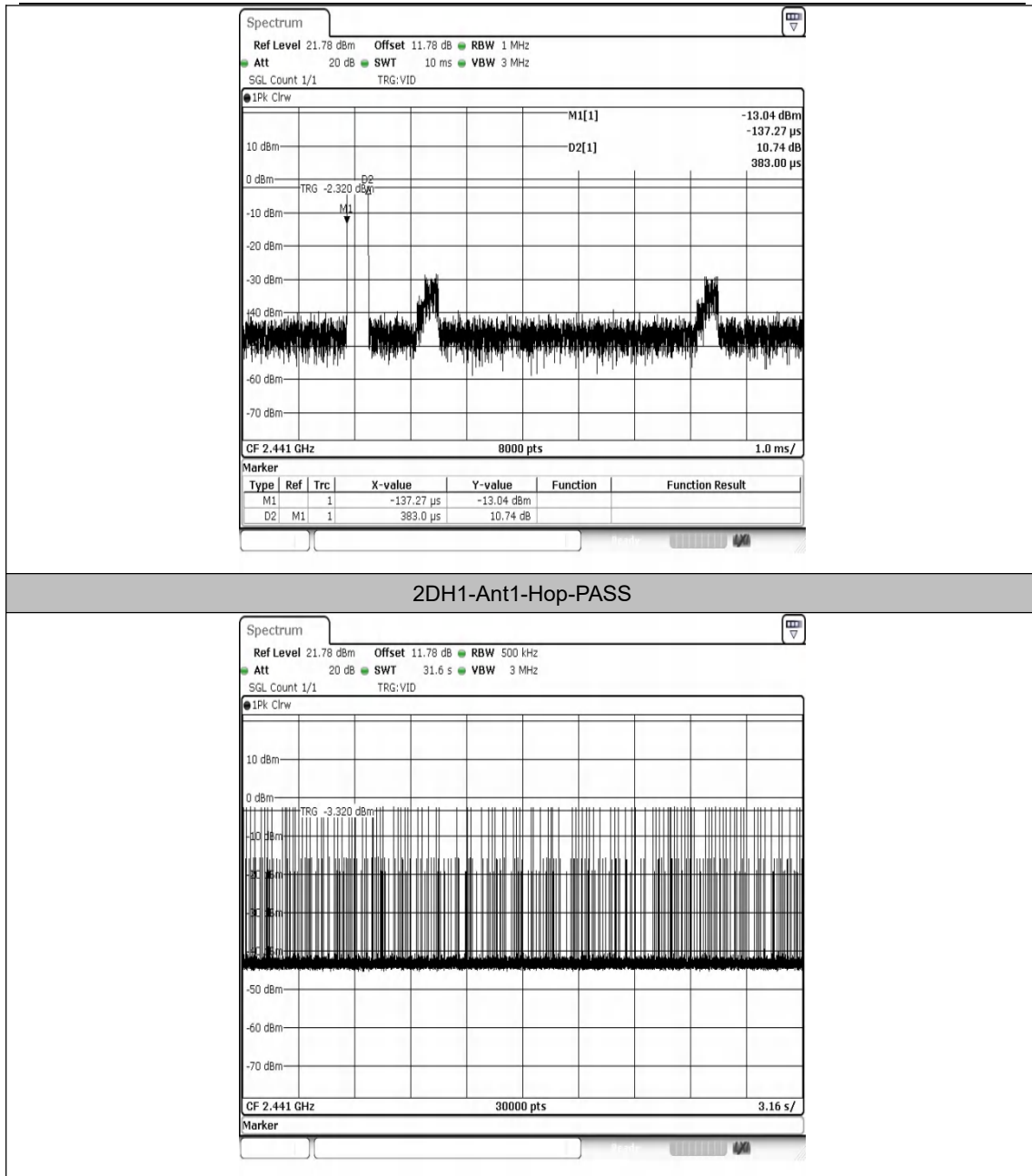


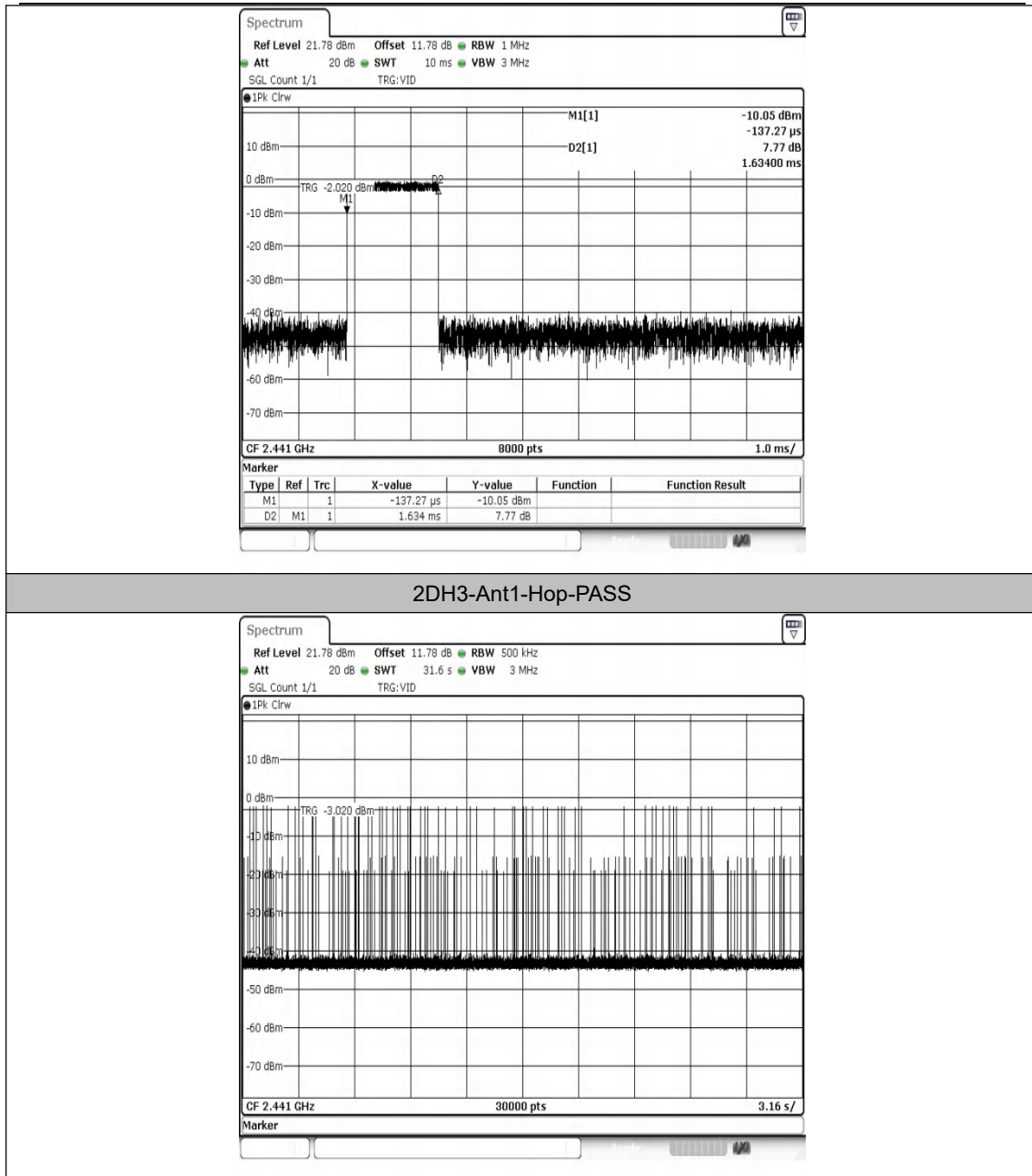
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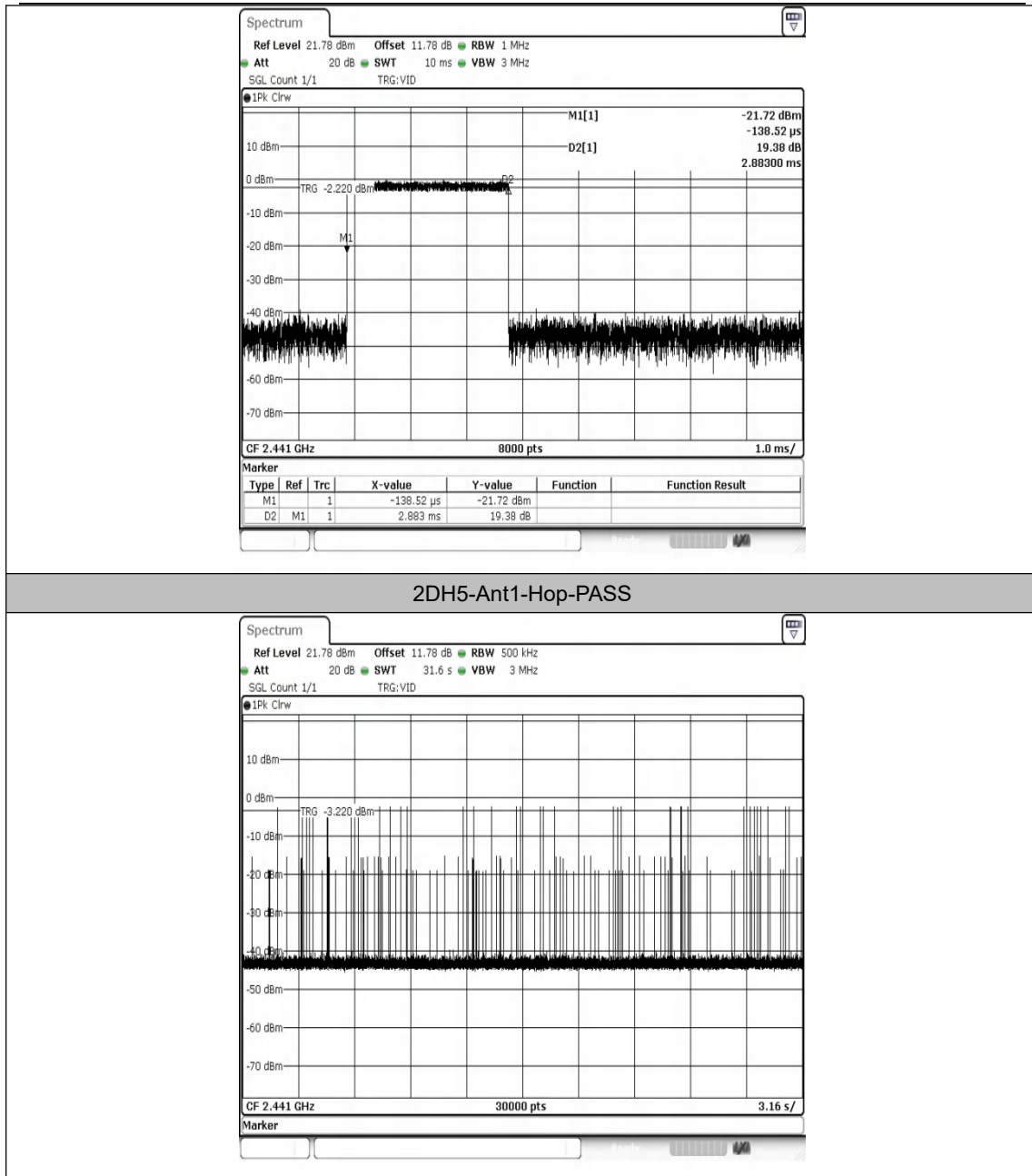
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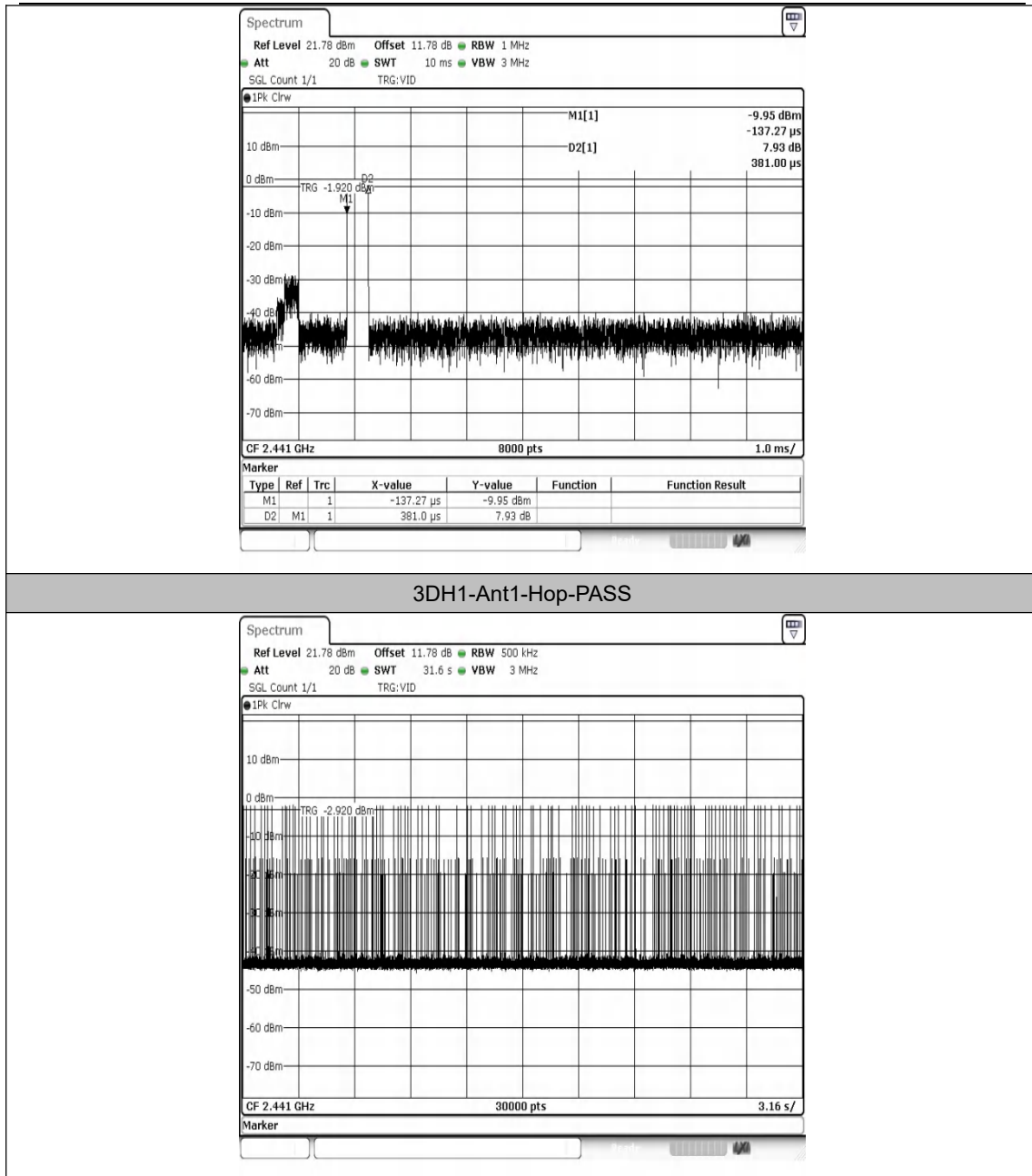


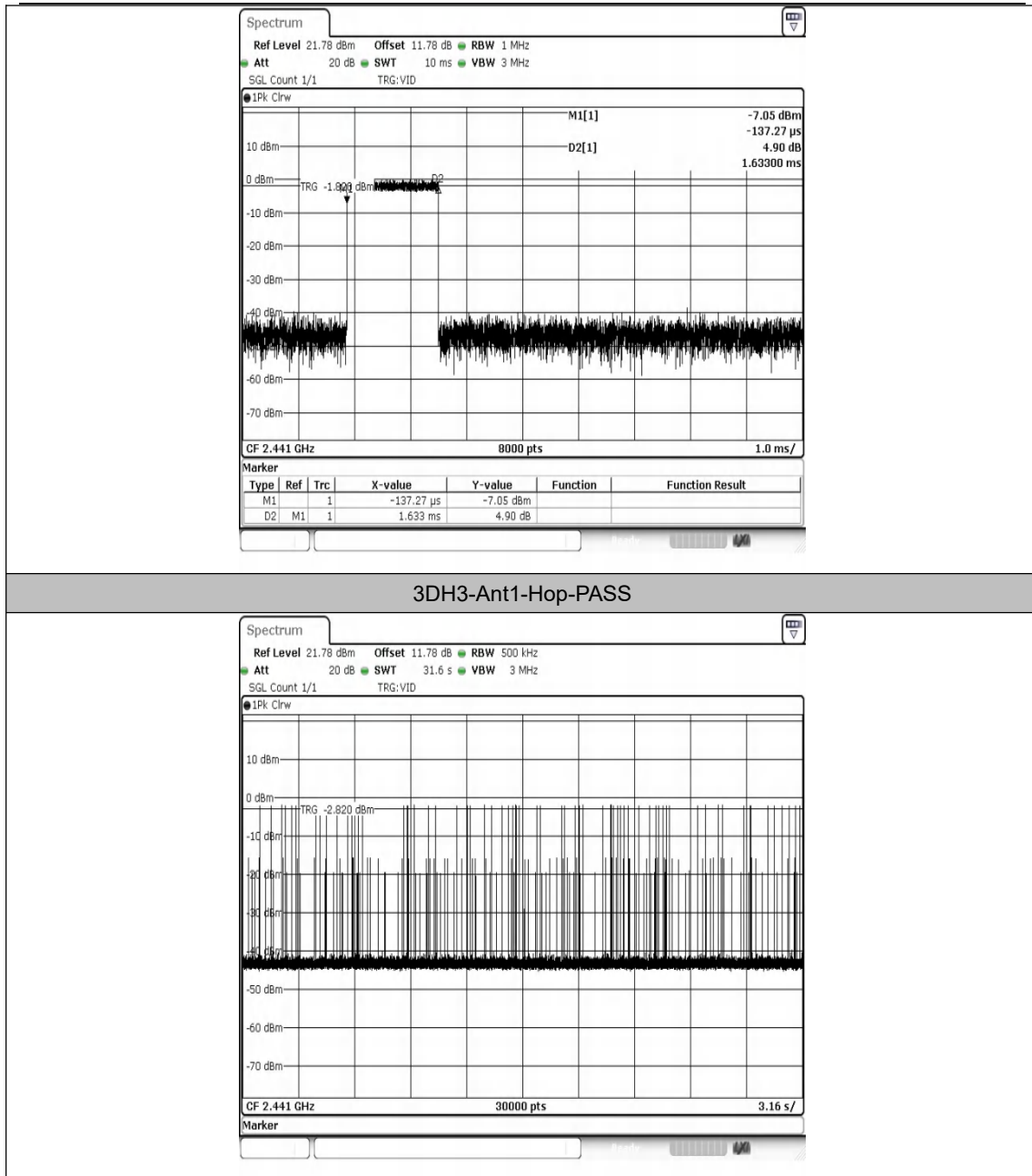
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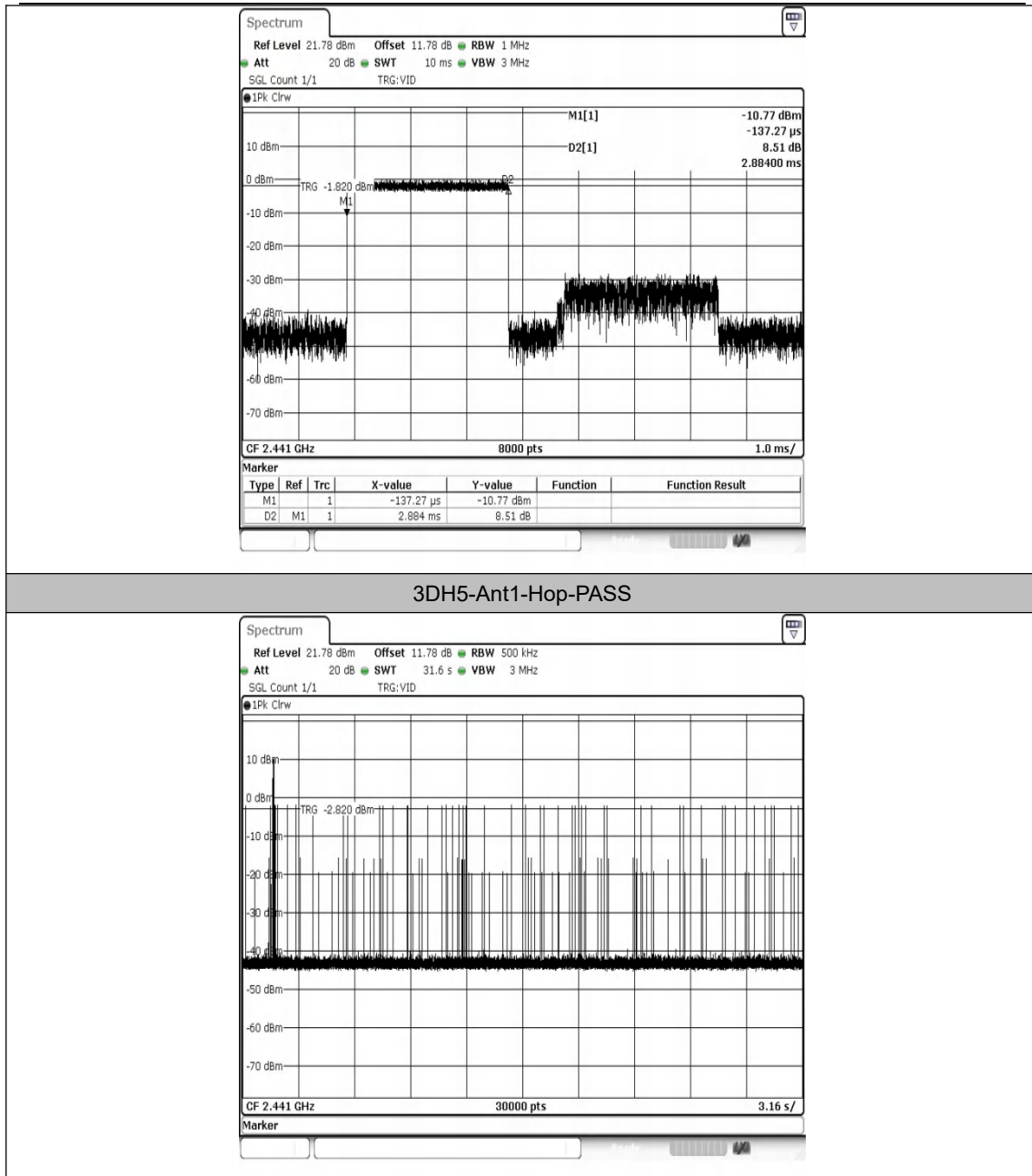
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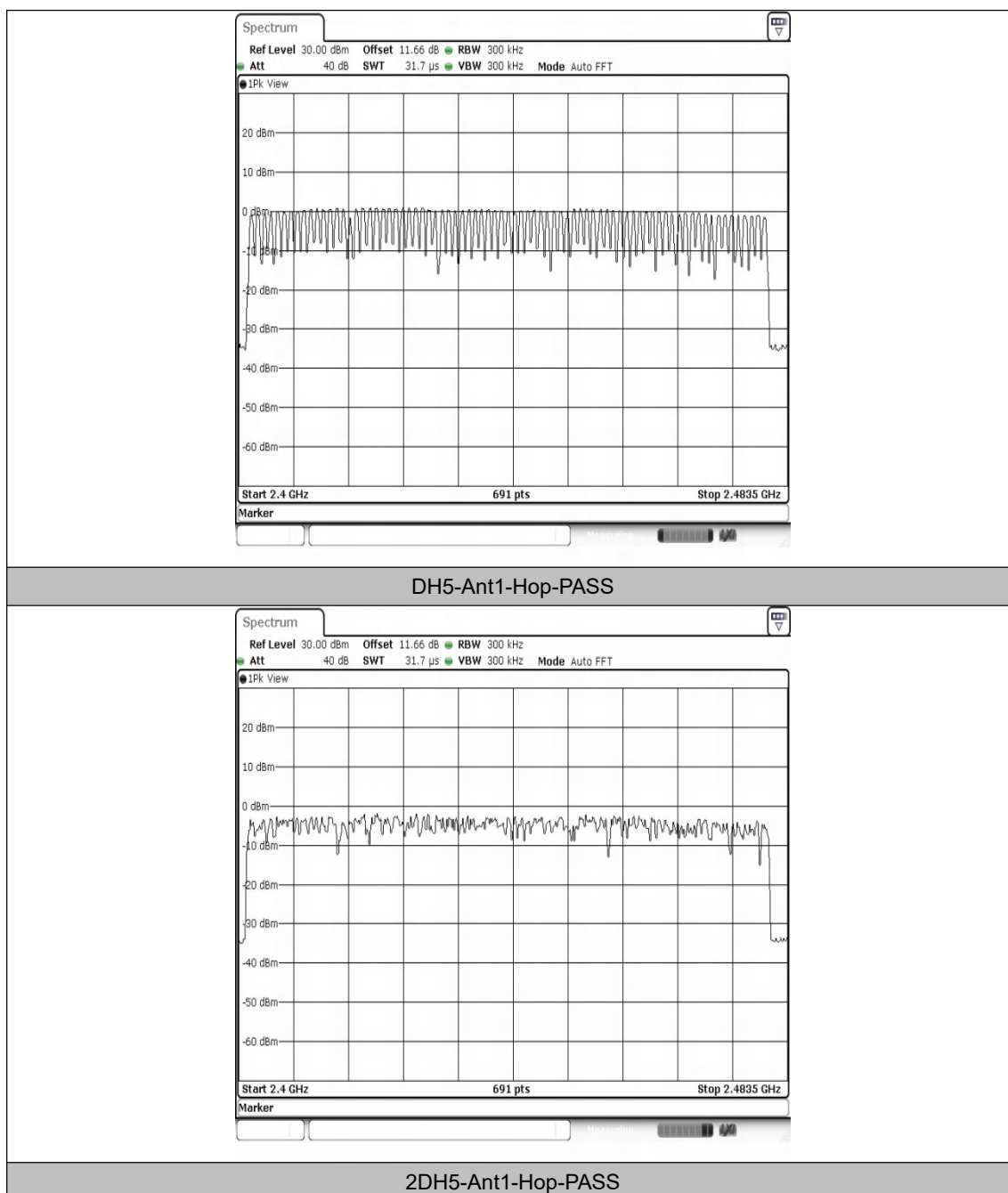


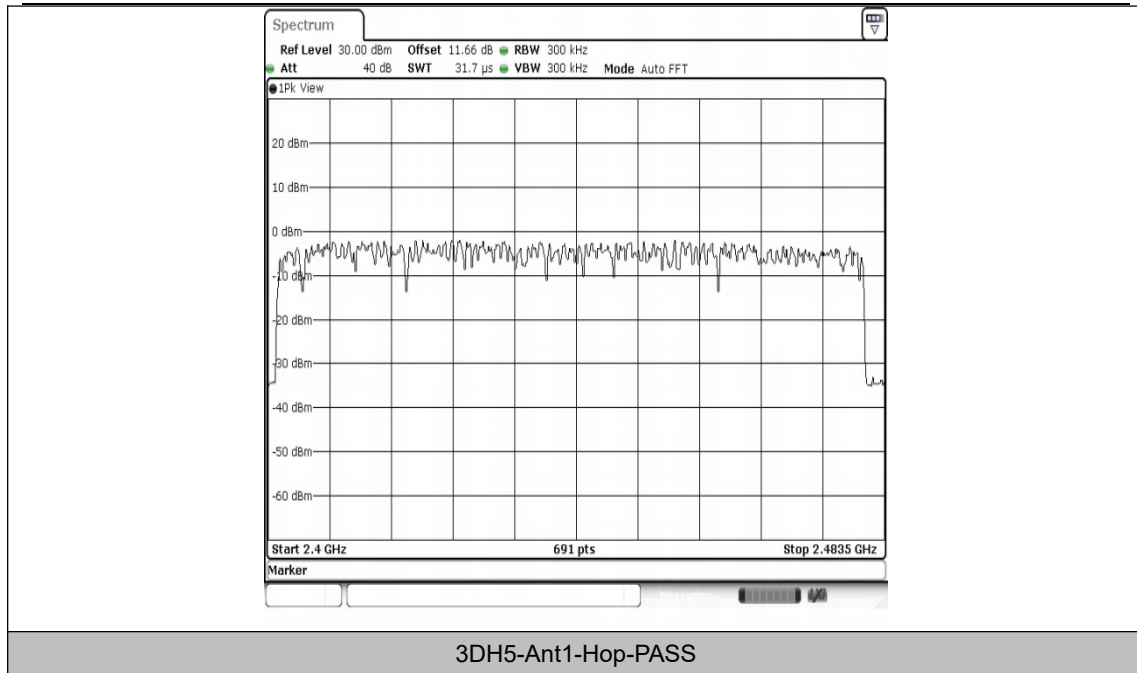
Appendix F: Number of Hopping Channel

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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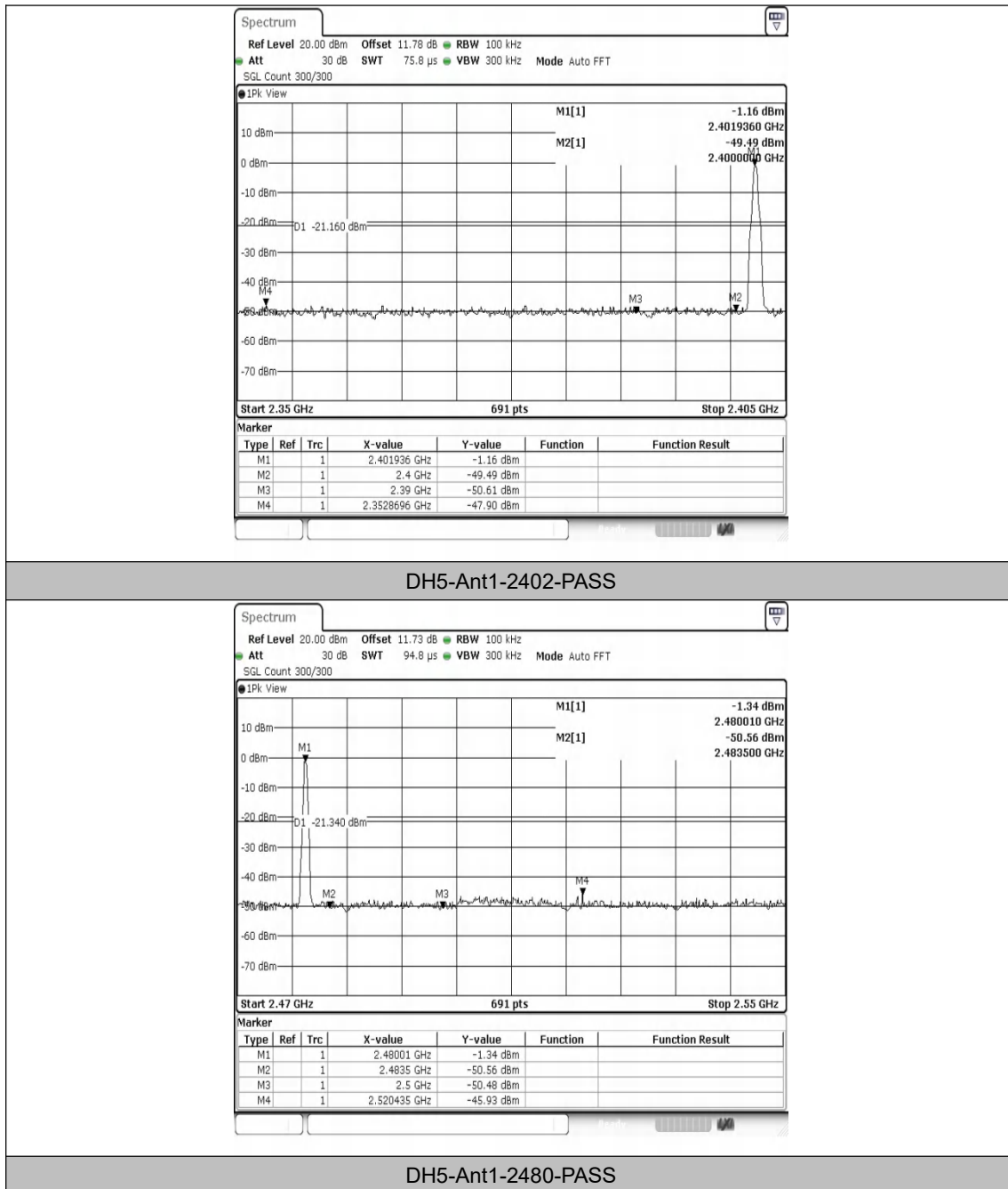
Appendix G: Conducted Band edge

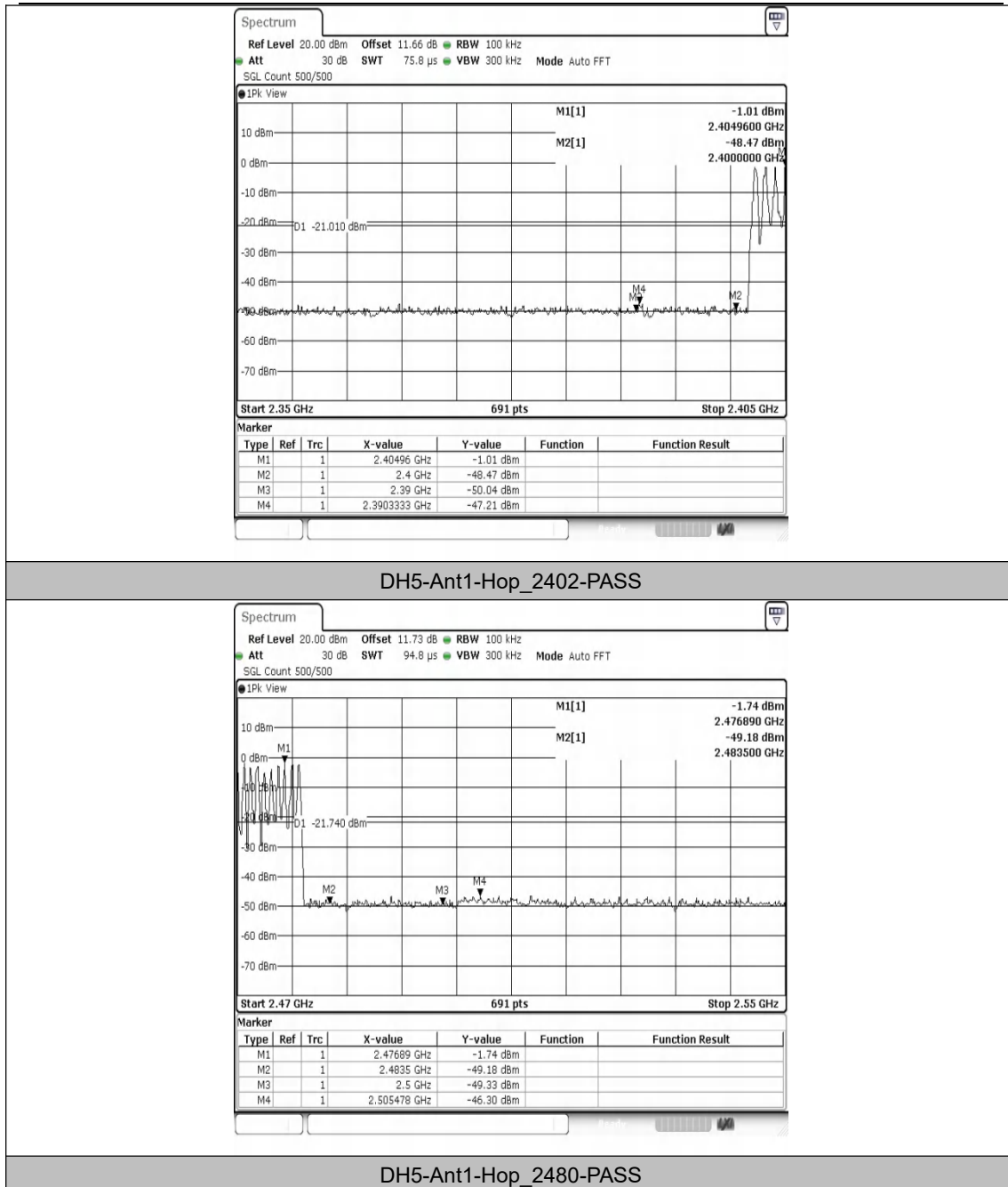
Test Result

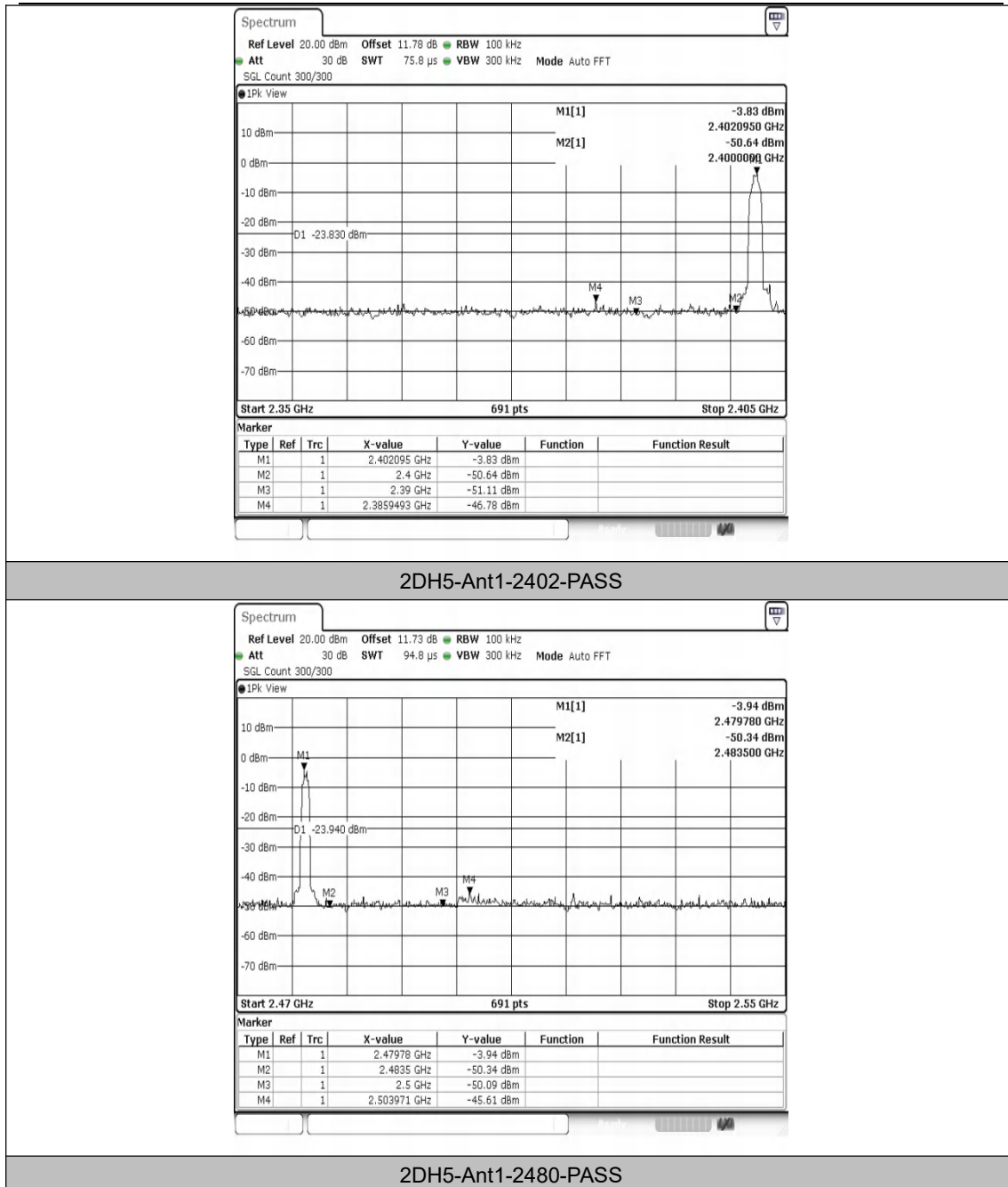
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.16	-47.9	≤-21.16	PASS
DH5	Ant1	High	2480	-1.34	-45.93	≤-21.34	PASS
DH5	Ant1	Low	Hop_2402	-1.01	-47.21	≤-21.01	PASS
DH5	Ant1	High	Hop_2480	-1.74	-46.3	≤-21.74	PASS
2DH5	Ant1	Low	2402	-3.83	-46.78	≤-23.83	PASS
2DH5	Ant1	High	2480	-3.94	-45.61	≤-23.94	PASS
2DH5	Ant1	Low	Hop_2402	-6.53	-46.55	≤-26.53	PASS
2DH5	Ant1	High	Hop_2480	-4.04	-46.41	≤-24.04	PASS
3DH5	Ant1	Low	2402	-4.13	-47.97	≤-24.13	PASS
3DH5	Ant1	High	2480	-4.33	-46.37	≤-24.33	PASS
3DH5	Ant1	Low	Hop_2402	-8.04	-46.21	≤-28.04	PASS
3DH5	Ant1	High	Hop_2480	-5.15	-46.37	≤-25.15	PASS

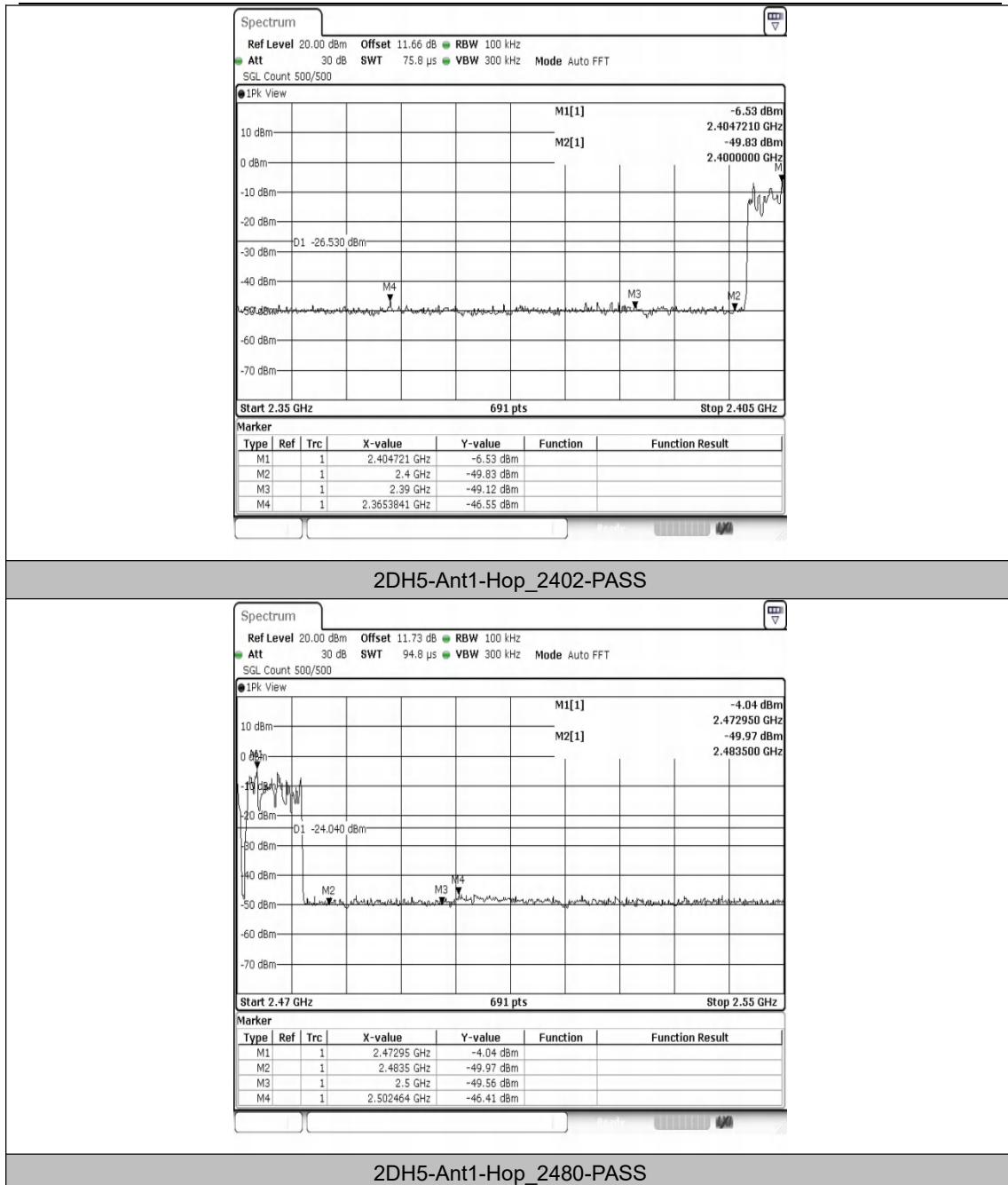


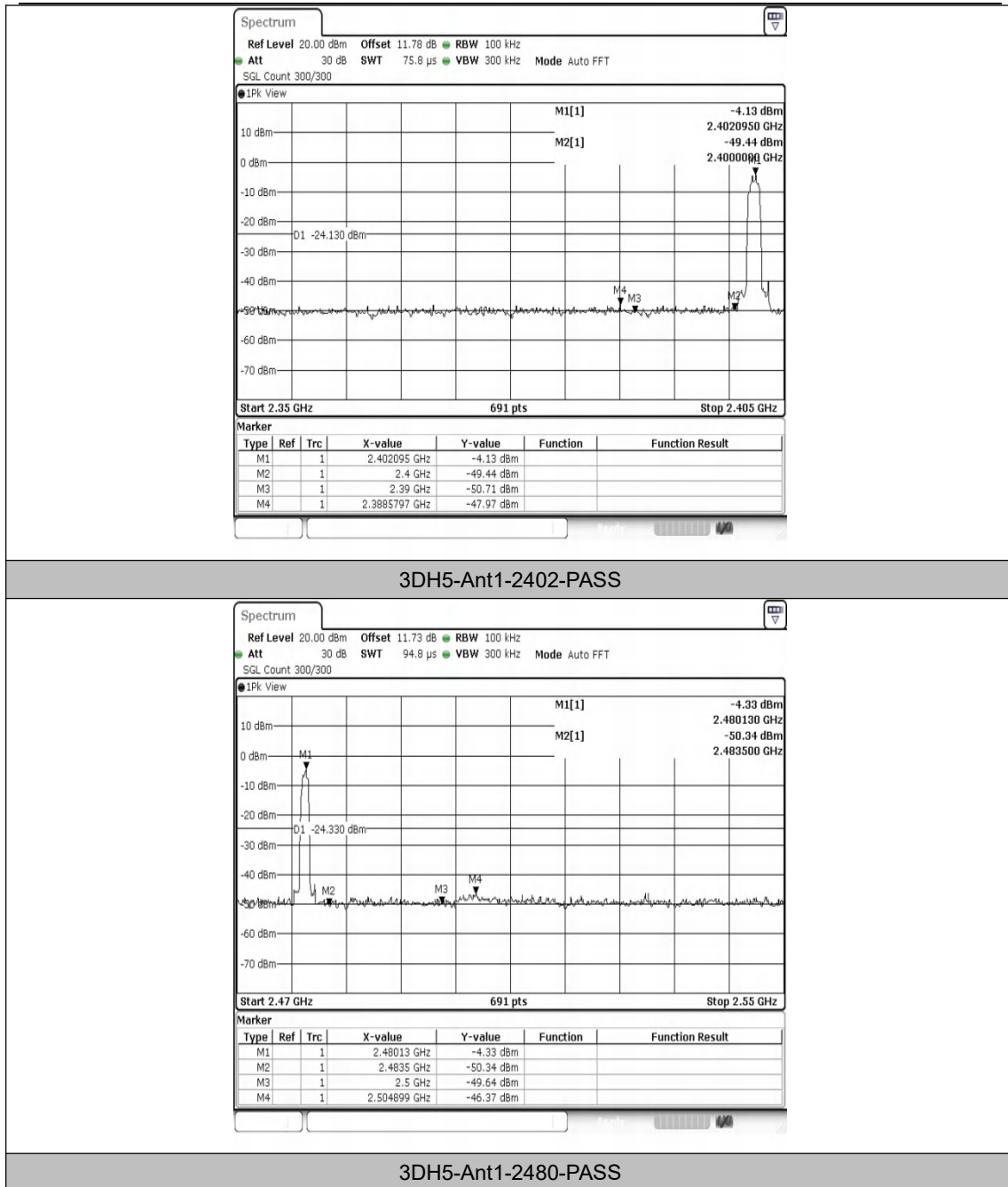
Test Graphs

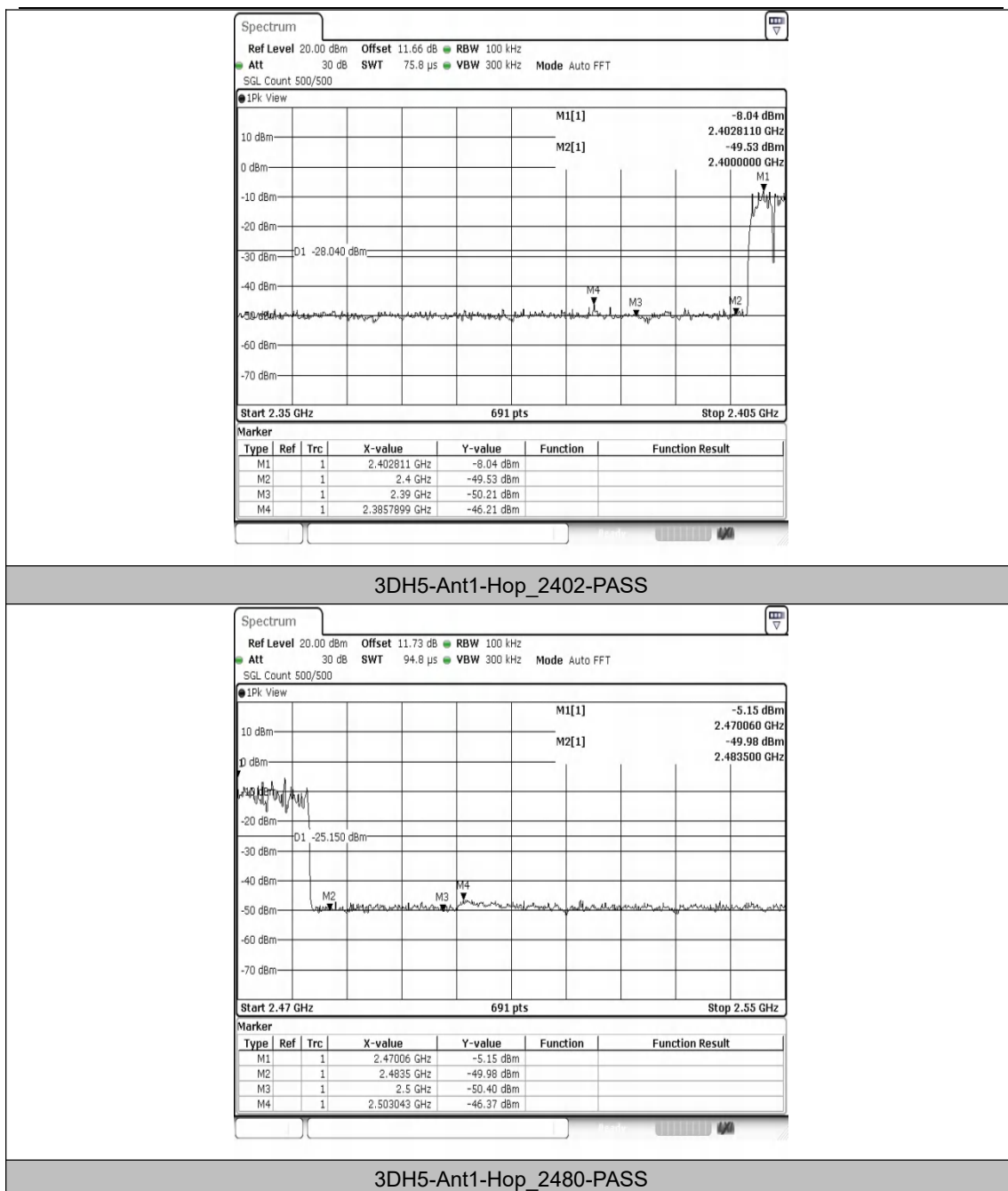












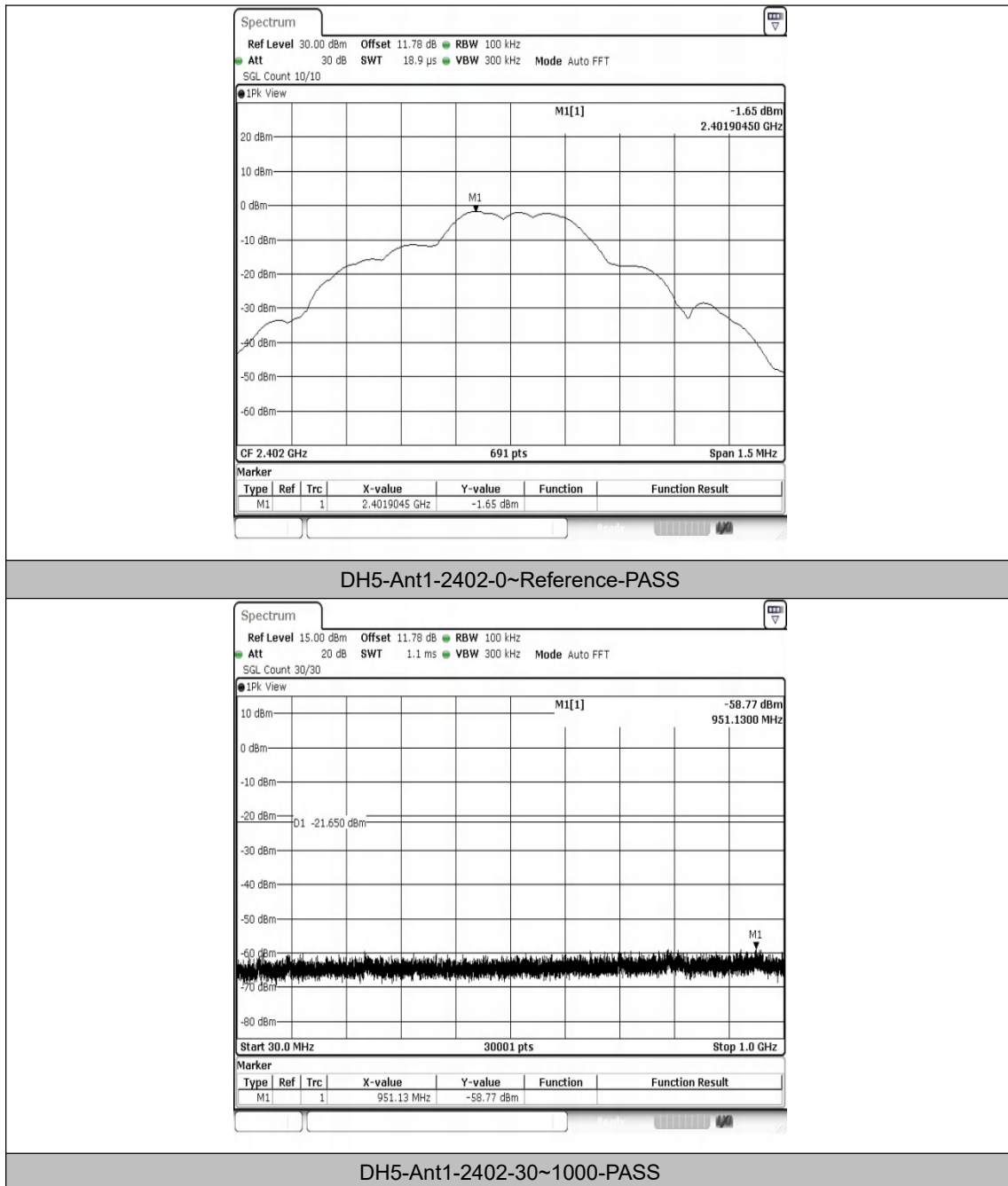
Appendix H: Conducted Spurious Emission

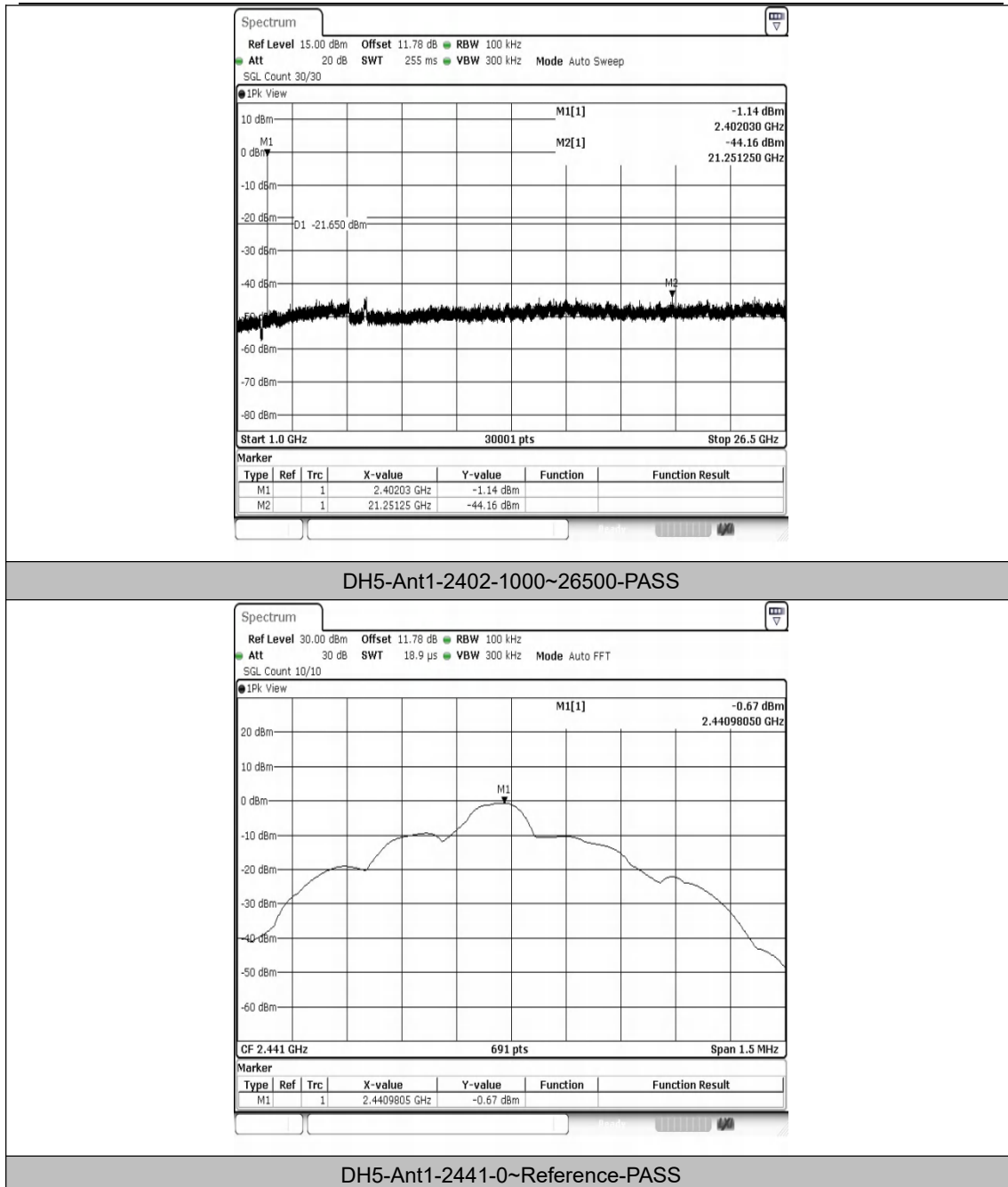
Test Result

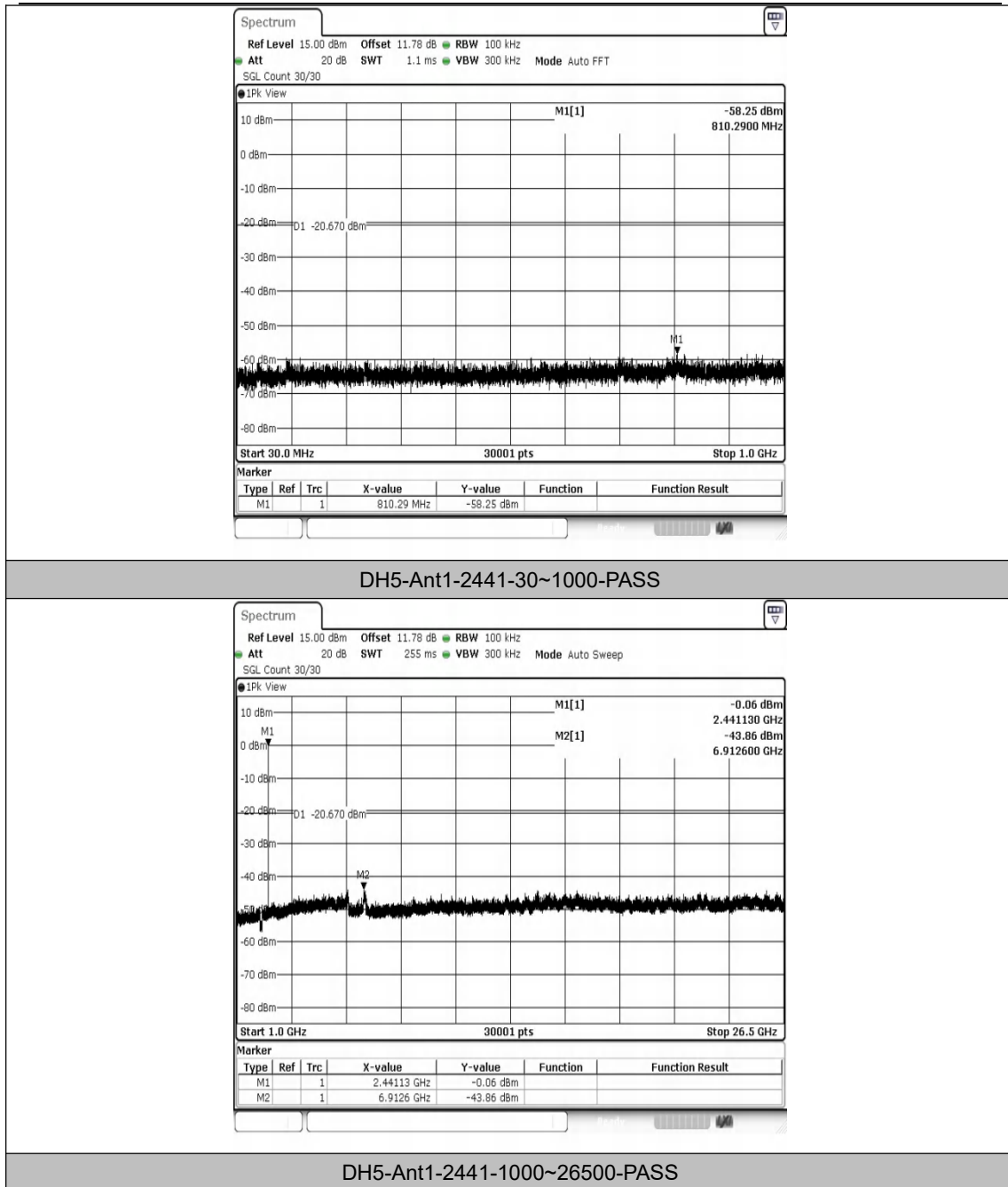
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.65	-1.65	---	PASS
DH5	Ant1	2402	30~1000	-1.65	-58.77	≤-21.65	PASS
DH5	Ant1	2402	1000~26500	-1.65	-44.16	≤-21.65	PASS
DH5	Ant1	2441	0~Reference	-0.67	-0.67	---	PASS
DH5	Ant1	2441	30~1000	-0.67	-58.25	≤-20.67	PASS
DH5	Ant1	2441	1000~26500	-0.67	-43.86	≤-20.67	PASS
DH5	Ant1	2480	0~Reference	-2.25	-2.25	---	PASS
DH5	Ant1	2480	30~1000	-2.25	-58.54	≤-22.25	PASS
DH5	Ant1	2480	1000~26500	-2.25	-43.64	≤-22.25	PASS
2DH5	Ant1	2402	0~Reference	-5.17	-5.17	---	PASS
2DH5	Ant1	2402	30~1000	-5.17	-57.69	≤-25.17	PASS
2DH5	Ant1	2402	1000~26500	-5.17	-44.19	≤-25.17	PASS
2DH5	Ant1	2441	0~Reference	-6.75	-6.75	---	PASS
2DH5	Ant1	2441	30~1000	-6.75	-58.23	≤-26.75	PASS
2DH5	Ant1	2441	1000~26500	-6.75	-43.66	≤-26.75	PASS
2DH5	Ant1	2480	0~Reference	-7.78	-7.78	---	PASS
2DH5	Ant1	2480	30~1000	-7.78	-58.49	≤-27.78	PASS
2DH5	Ant1	2480	1000~26500	-7.78	-44.1	≤-27.78	PASS
3DH5	Ant1	2402	0~Reference	-7.34	-7.34	---	PASS
3DH5	Ant1	2402	30~1000	-7.34	-58.36	≤-27.34	PASS
3DH5	Ant1	2402	1000~26500	-7.34	-43.35	≤-27.34	PASS
3DH5	Ant1	2441	0~Reference	-6.23	-6.23	---	PASS
3DH5	Ant1	2441	30~1000	-6.23	-57.3	≤-26.23	PASS
3DH5	Ant1	2441	1000~26500	-6.23	-43.87	≤-26.23	PASS
3DH5	Ant1	2480	0~Reference	-9.51	-9.51	---	PASS
3DH5	Ant1	2480	30~1000	-9.51	-57.78	≤-29.51	PASS
3DH5	Ant1	2480	1000~26500	-9.51	-43.86	≤-29.51	PASS

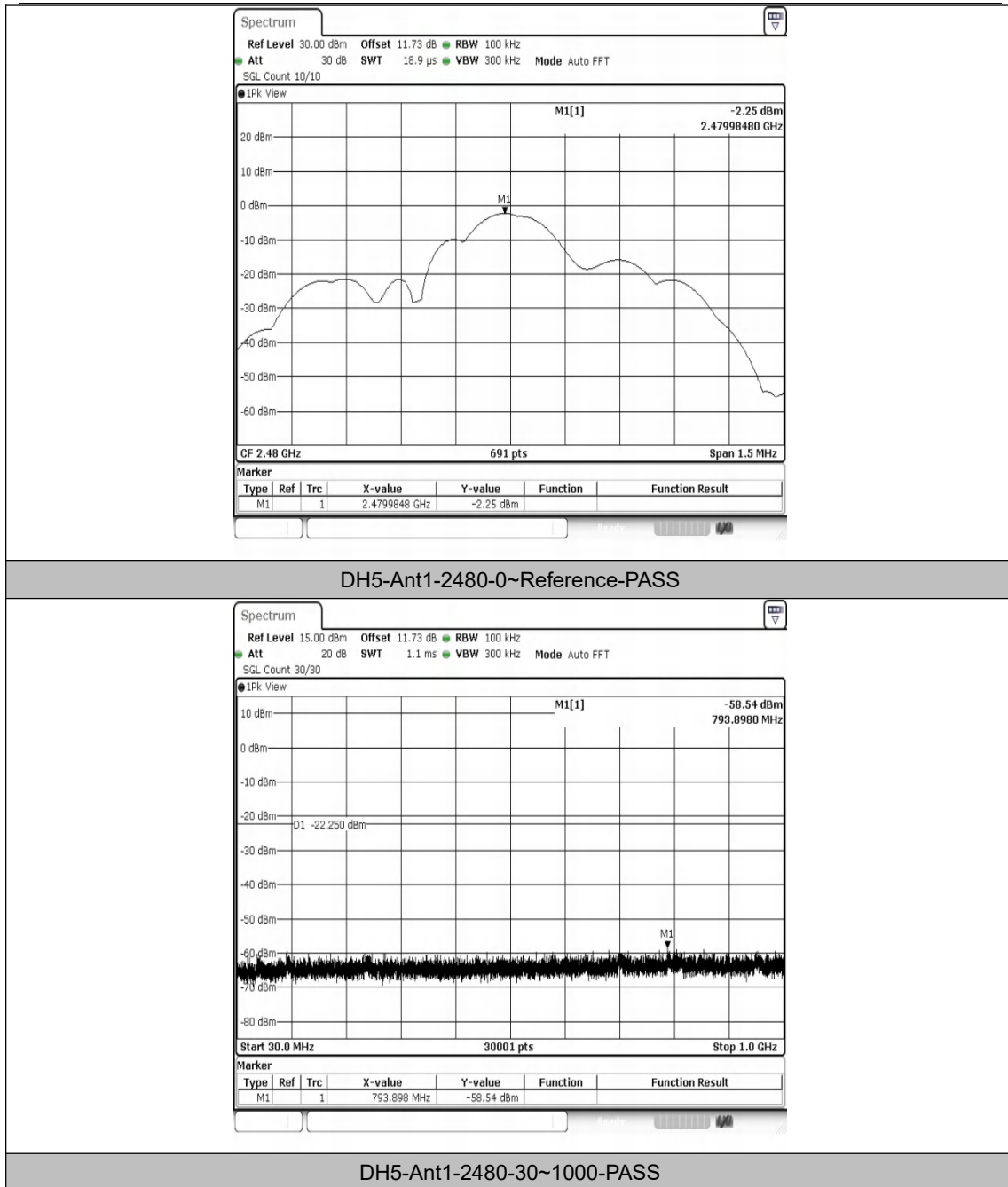


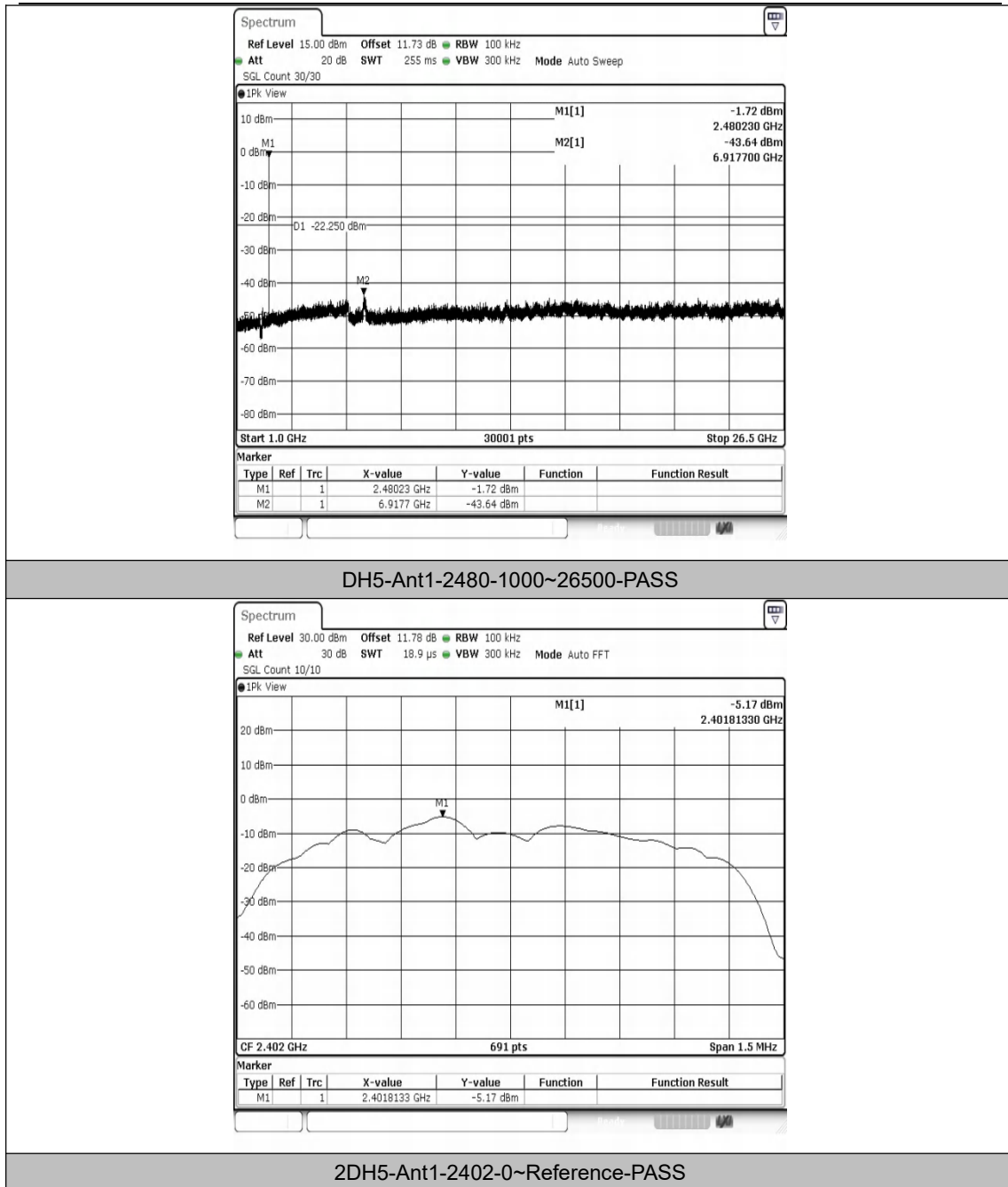
Test Graphs

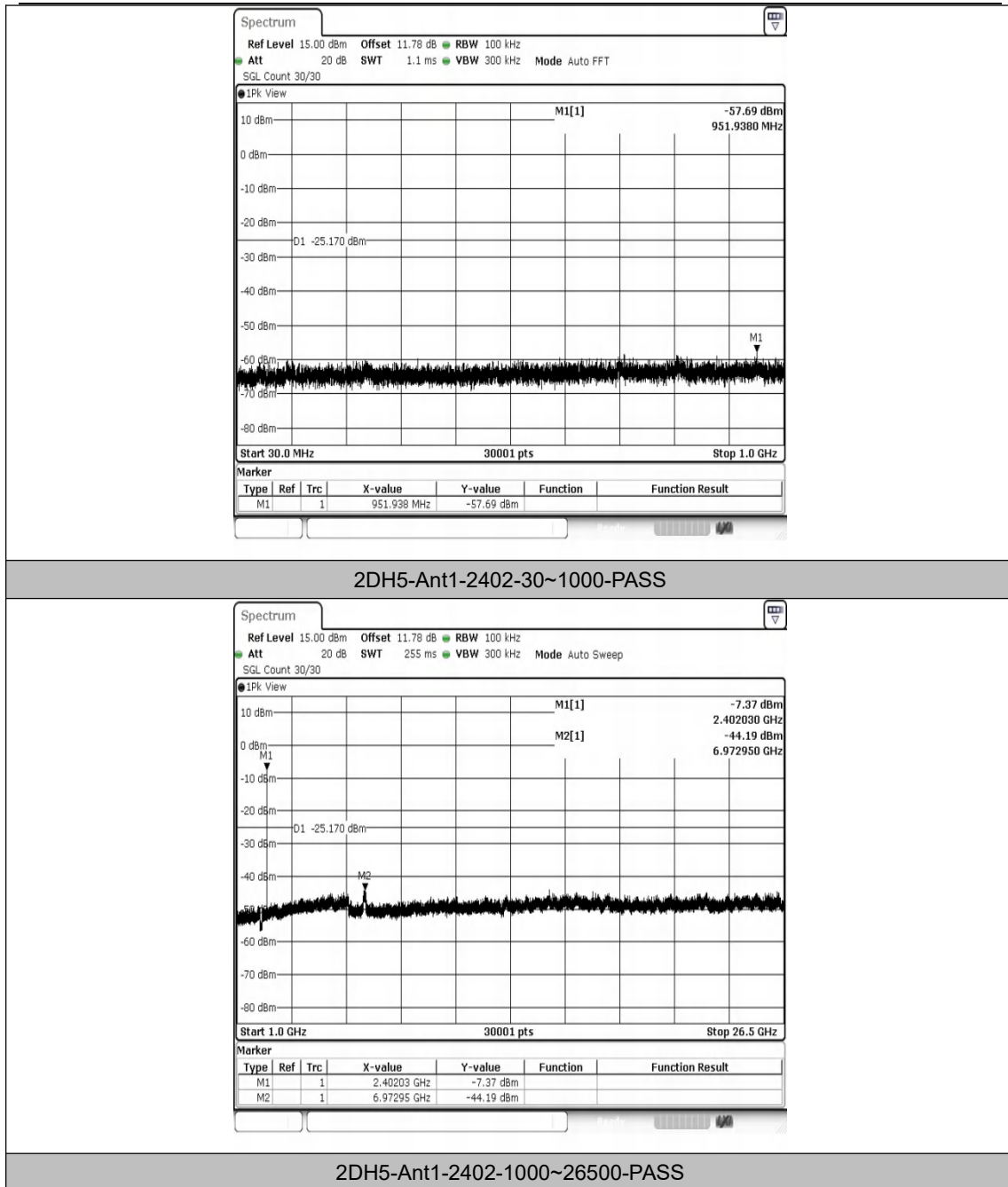


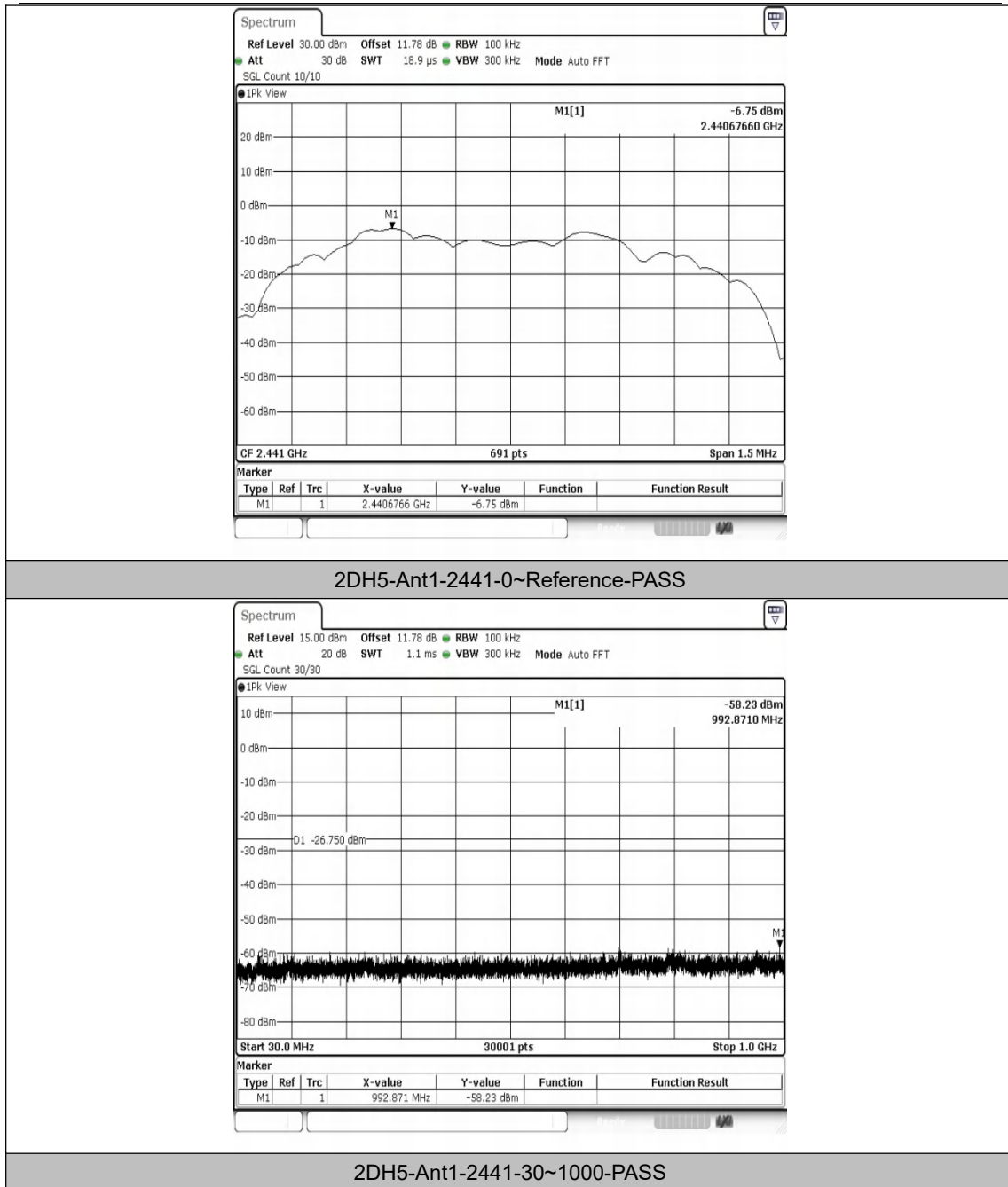


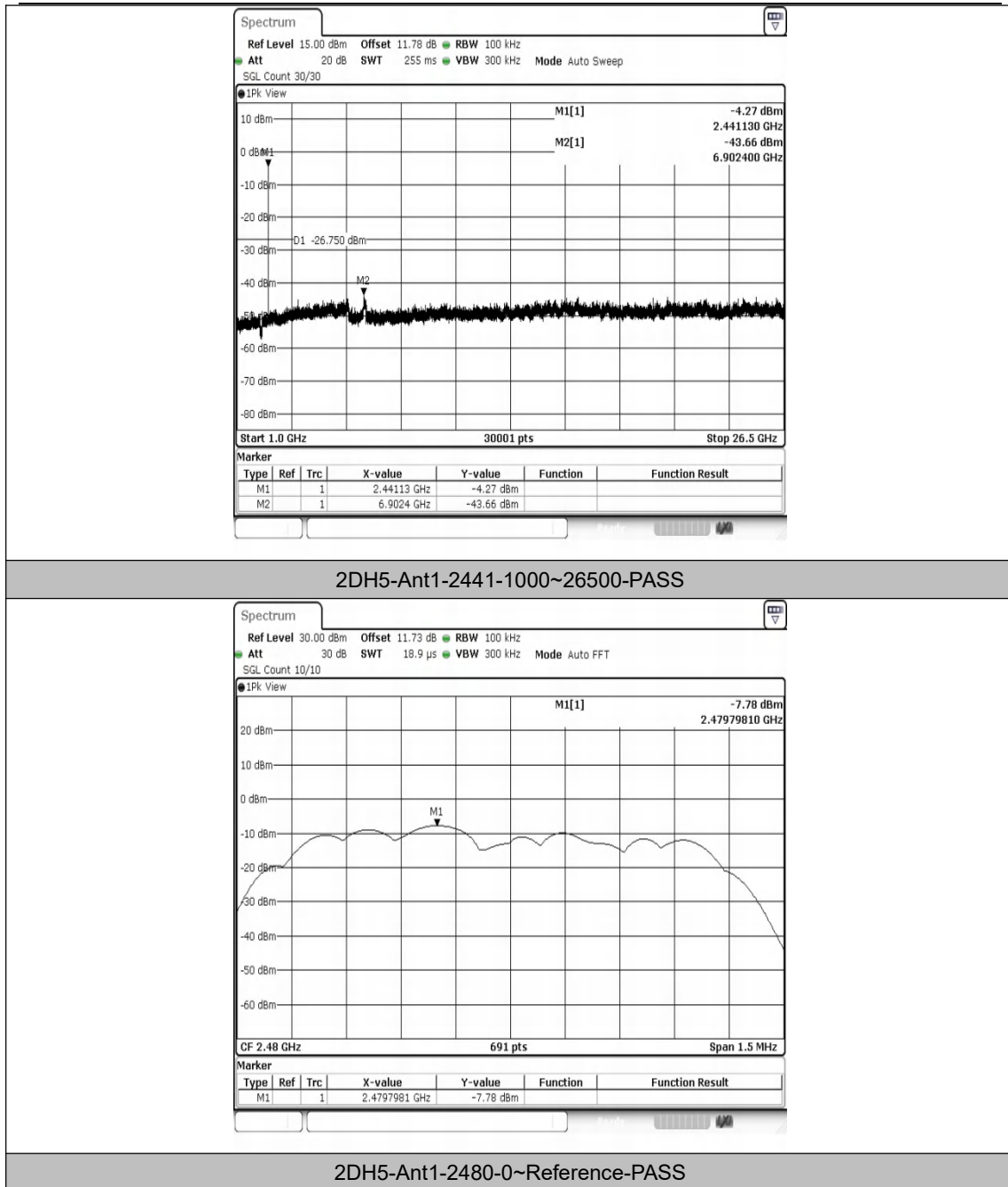


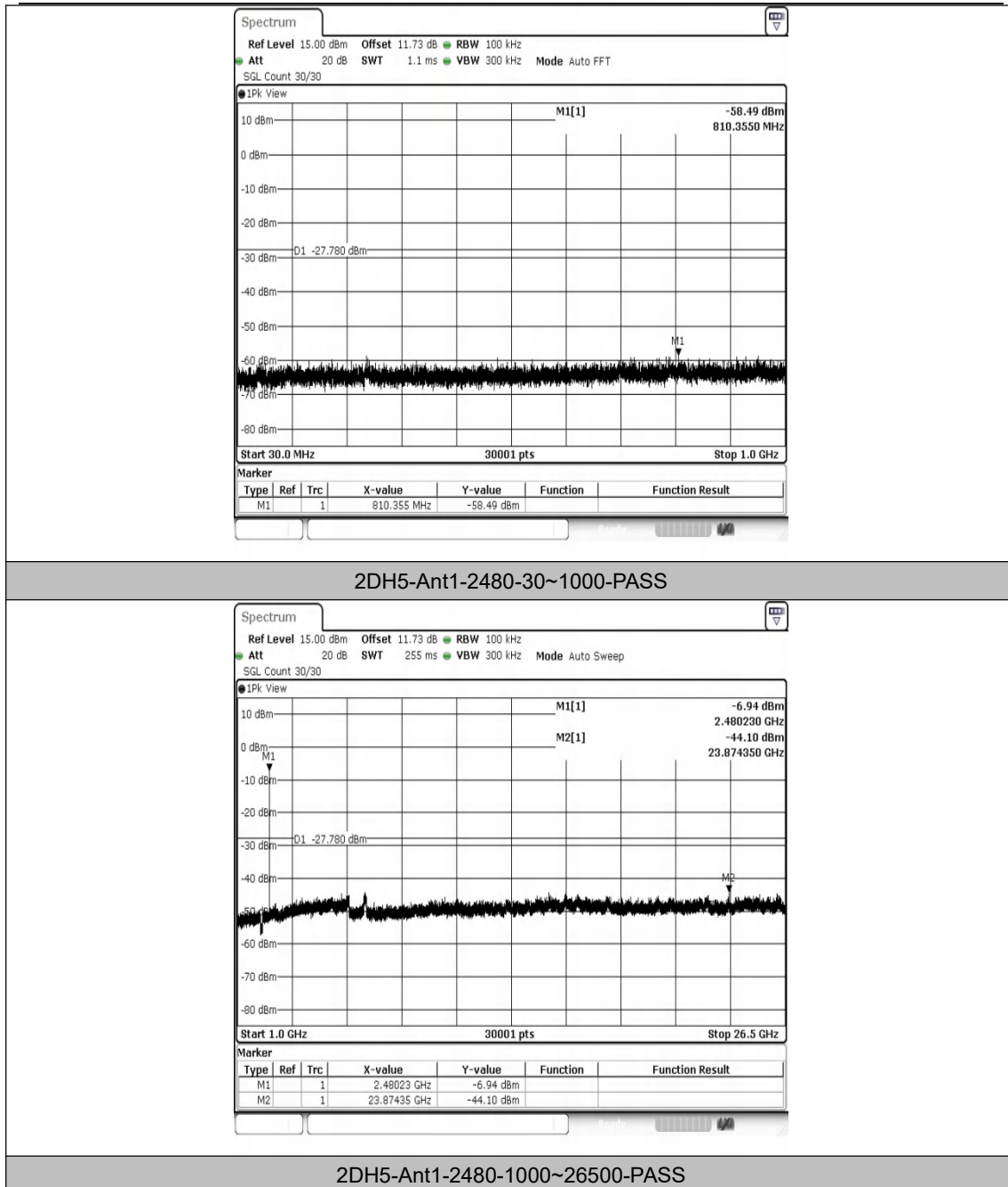


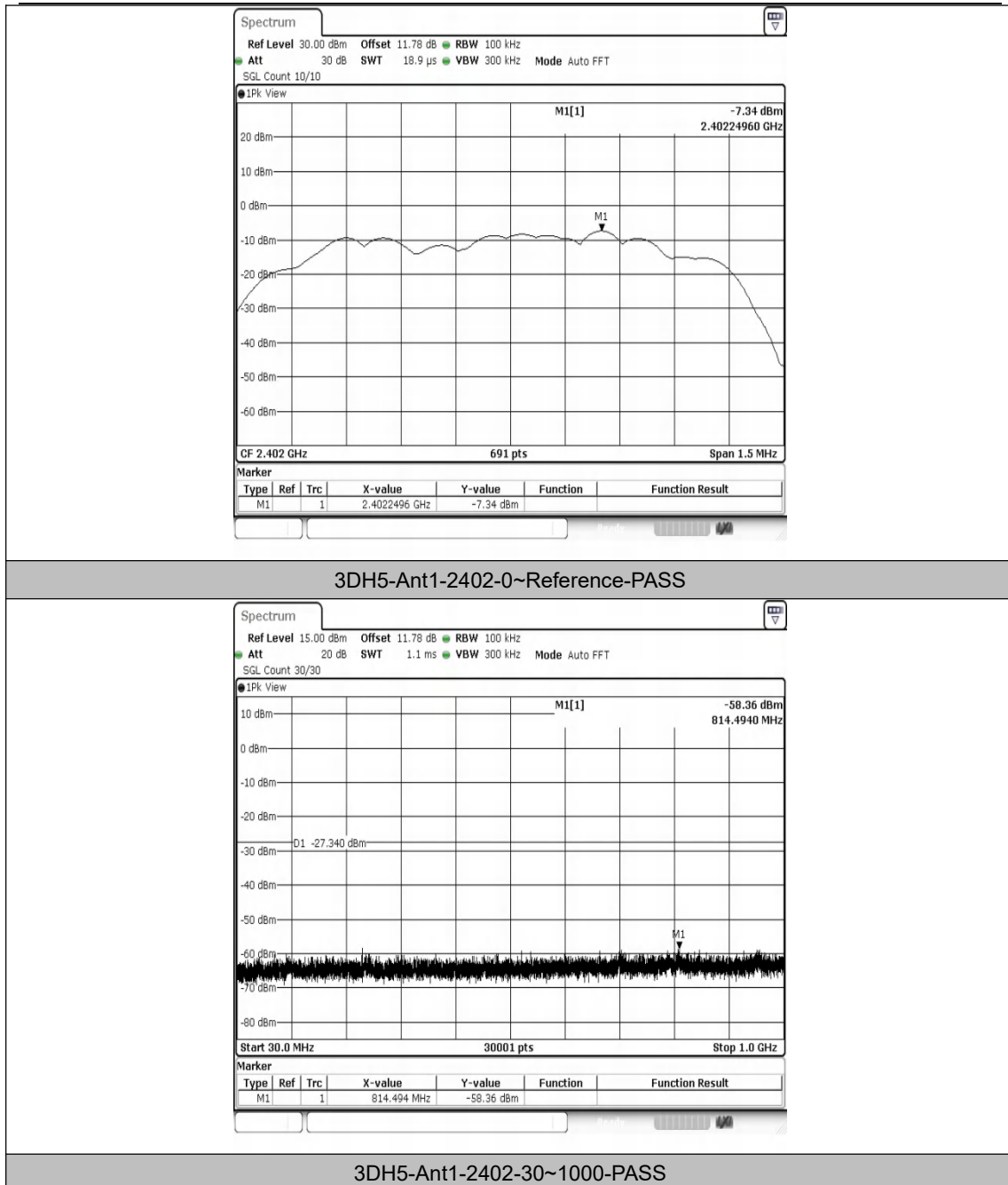


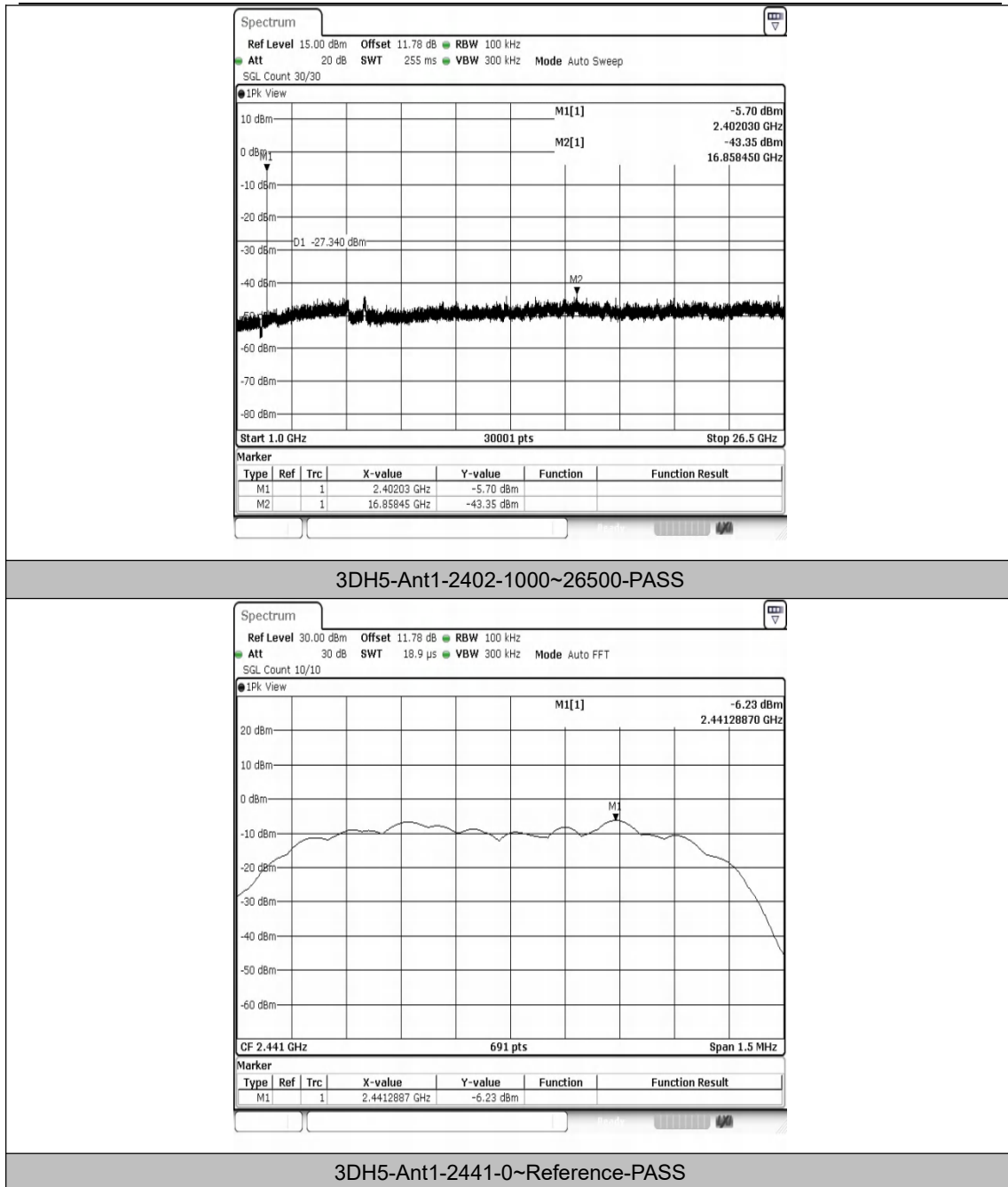


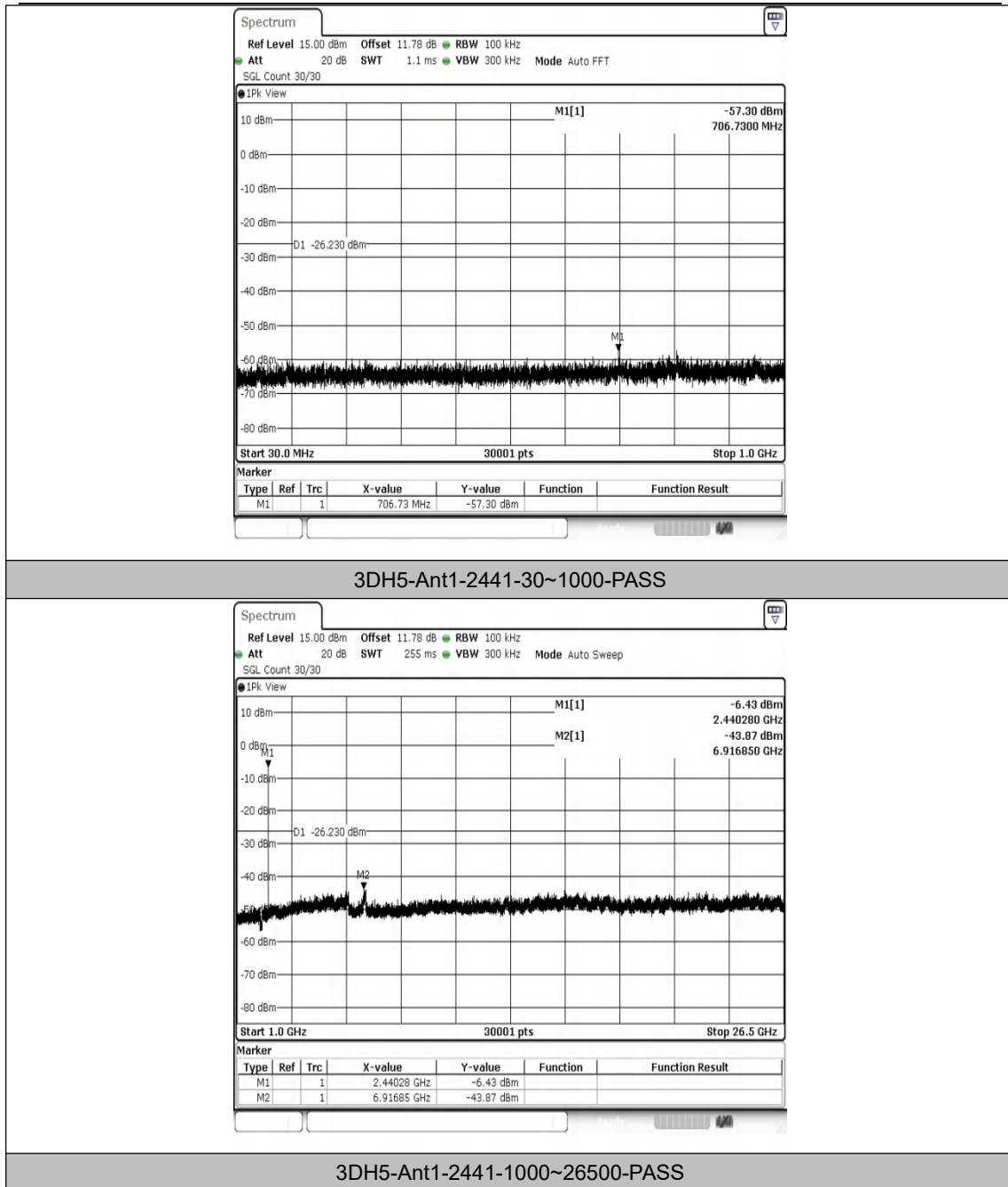


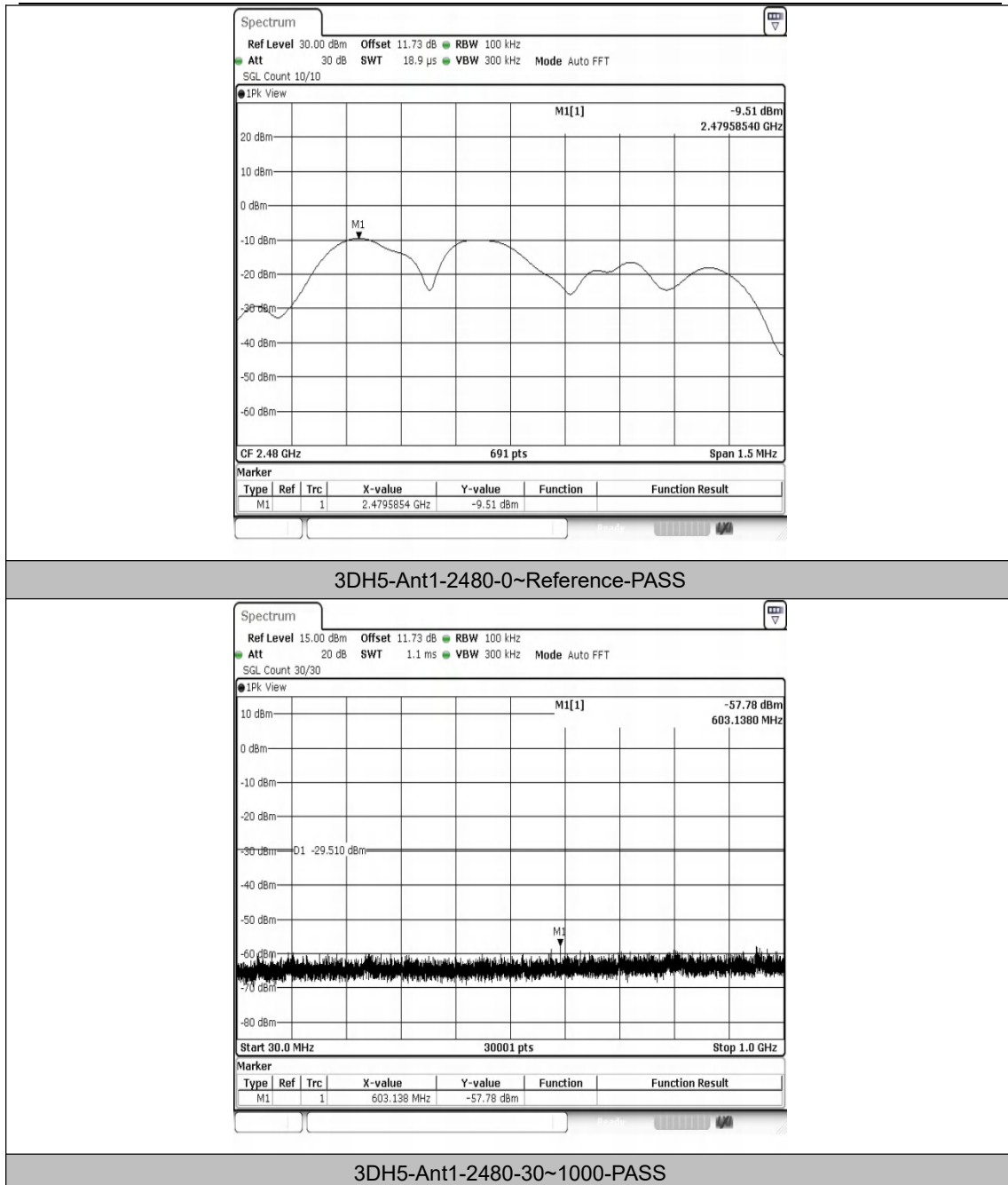


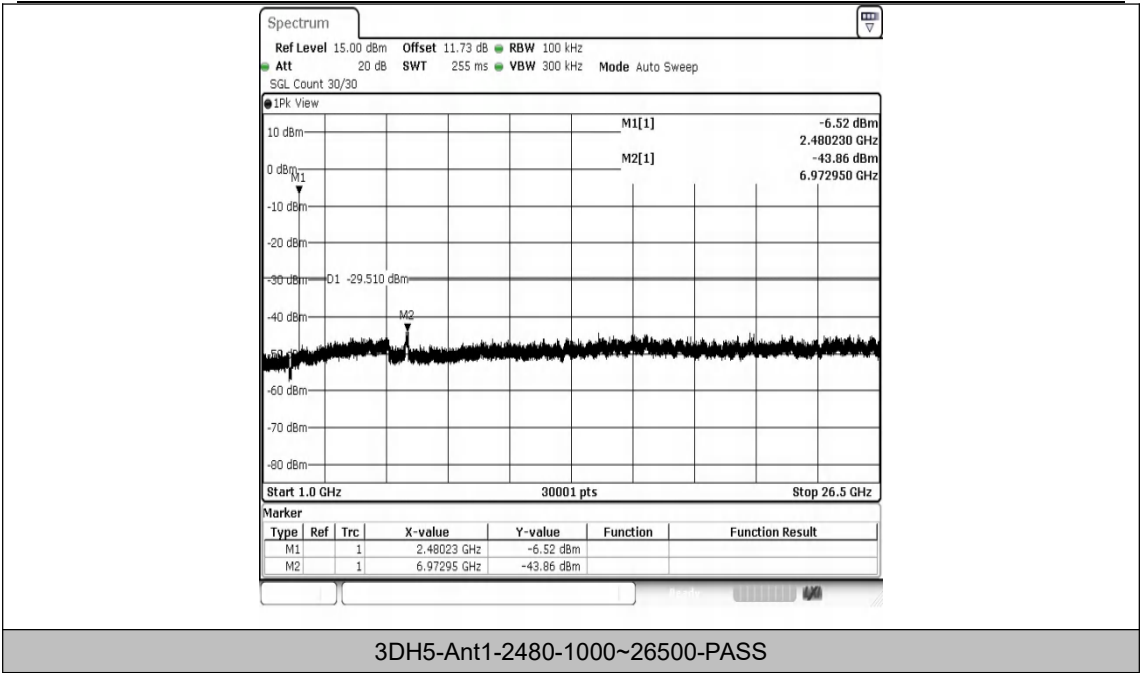












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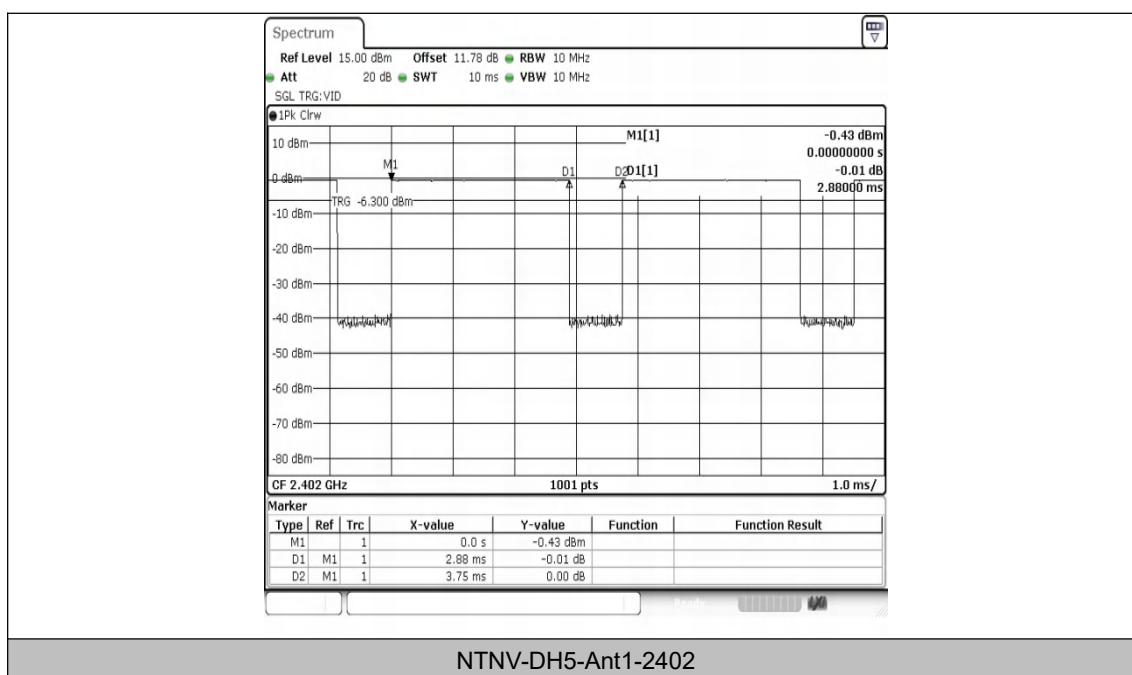


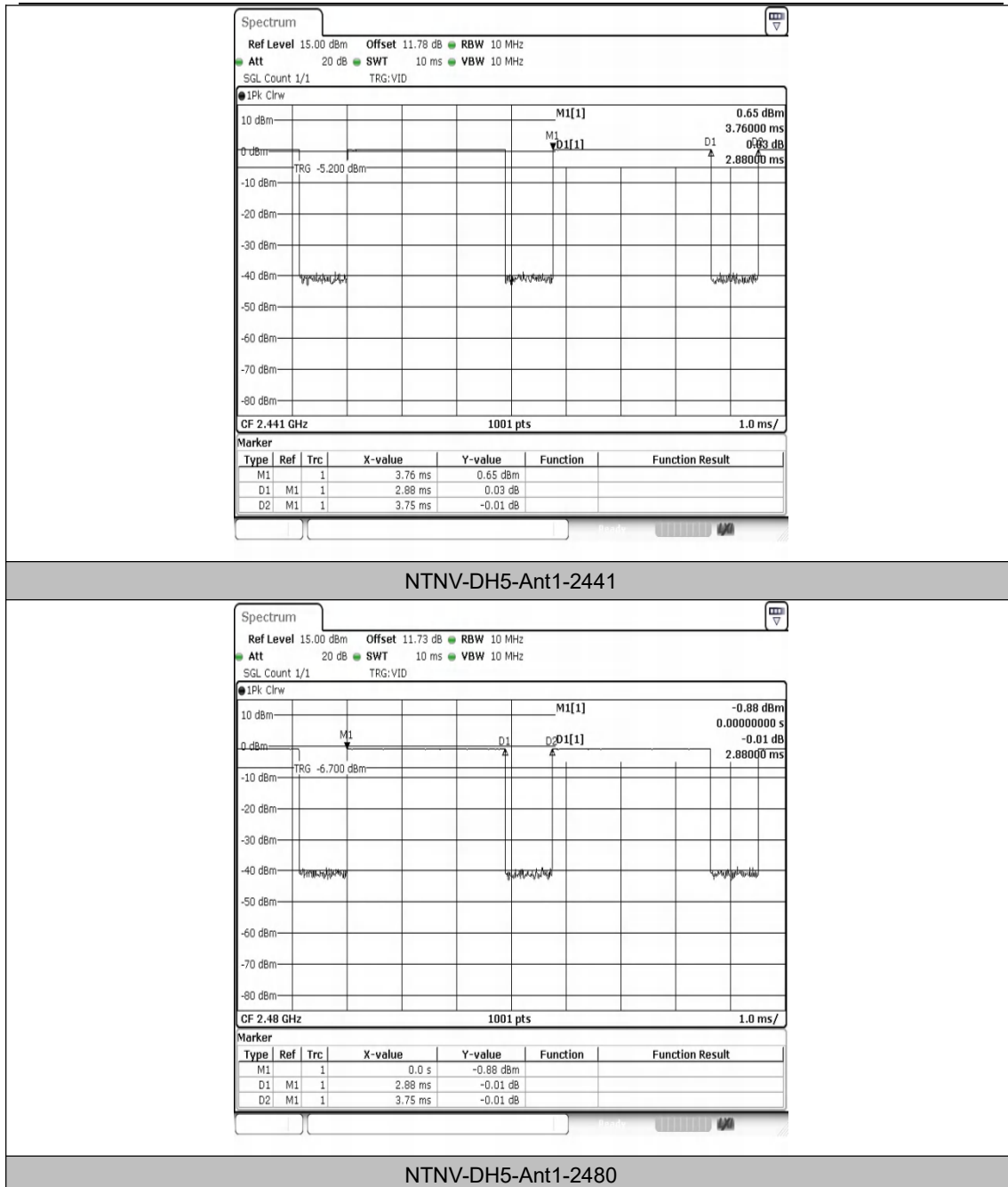
Appendix I: Duty Cycle

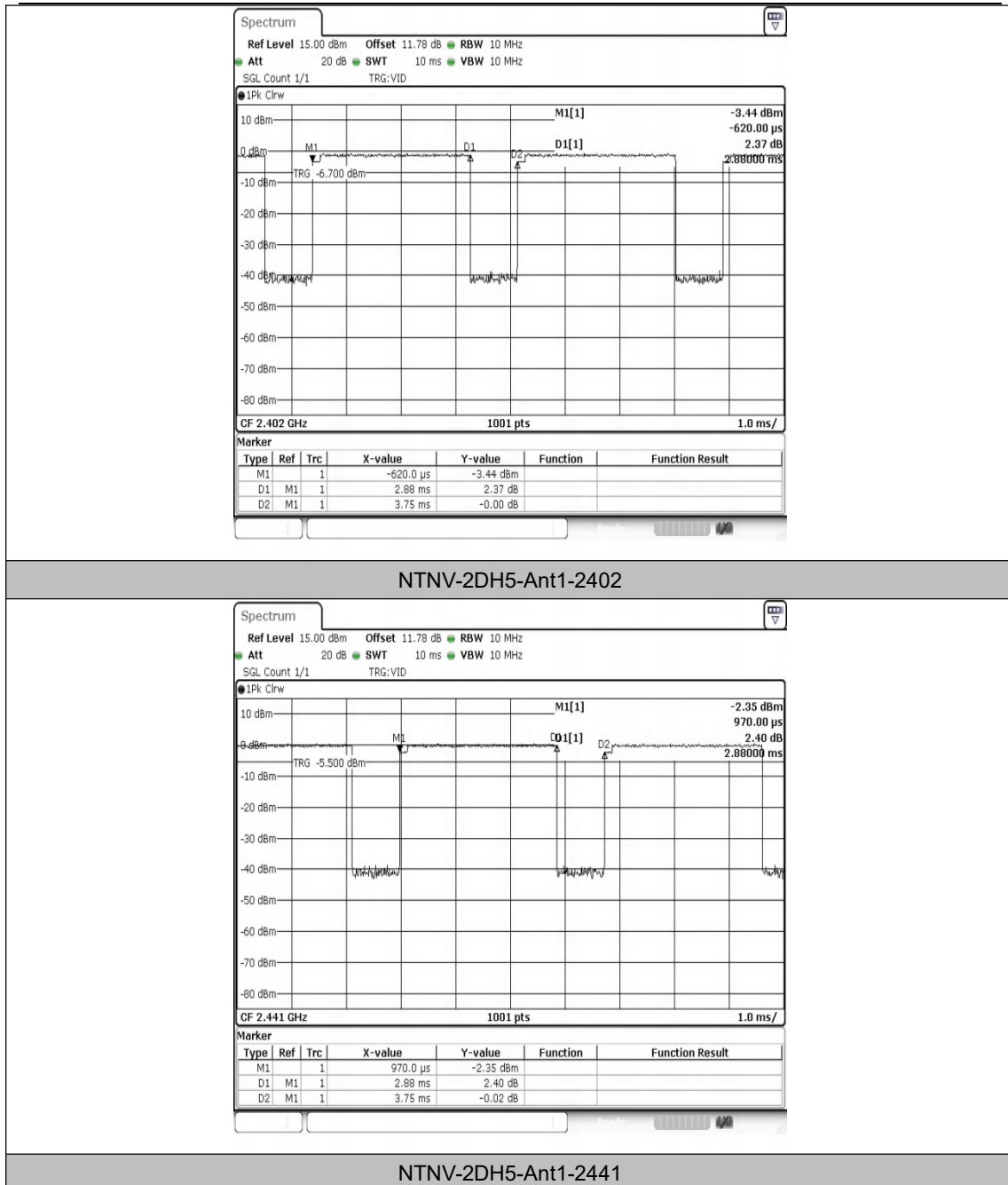
Test Result

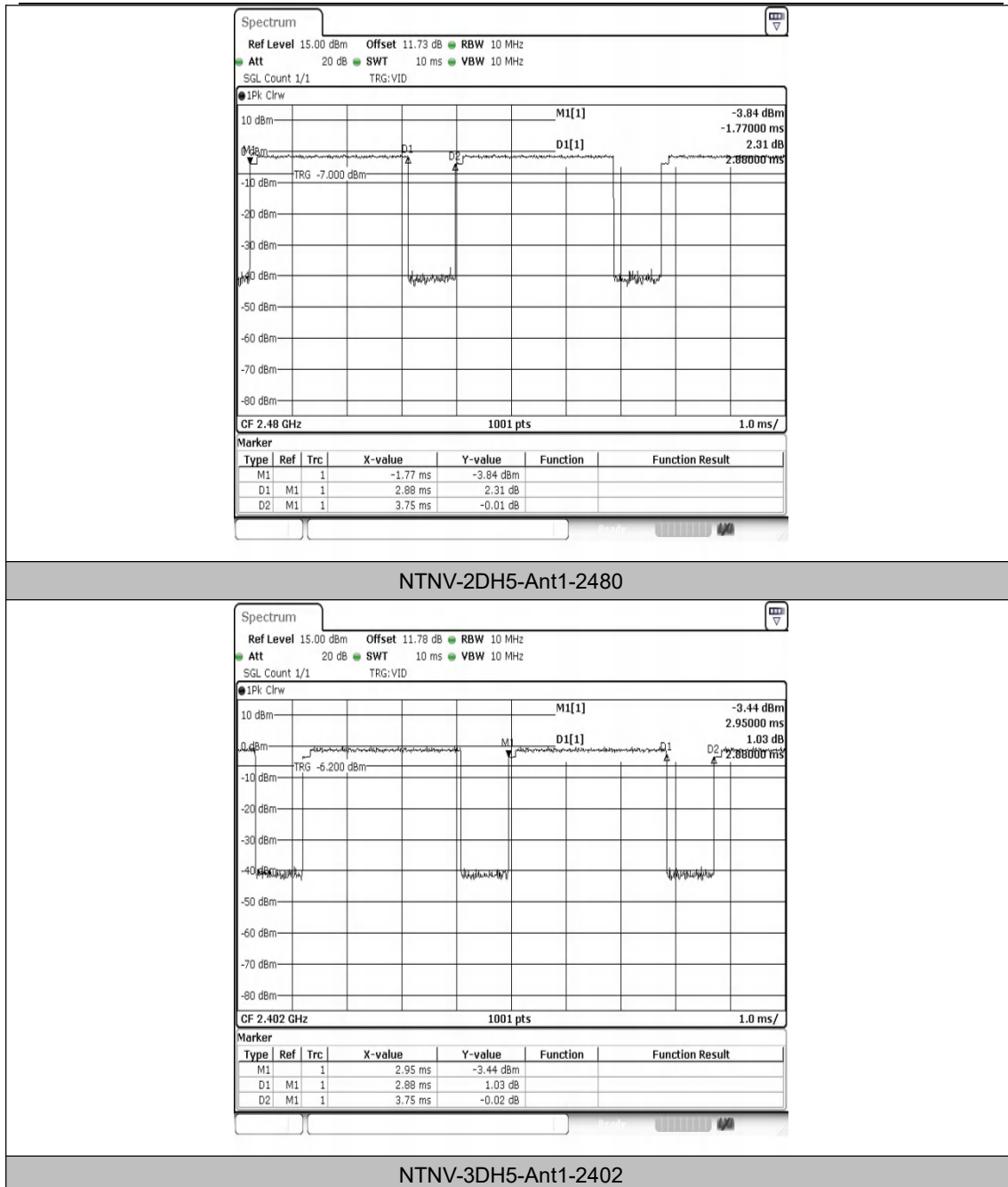
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80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

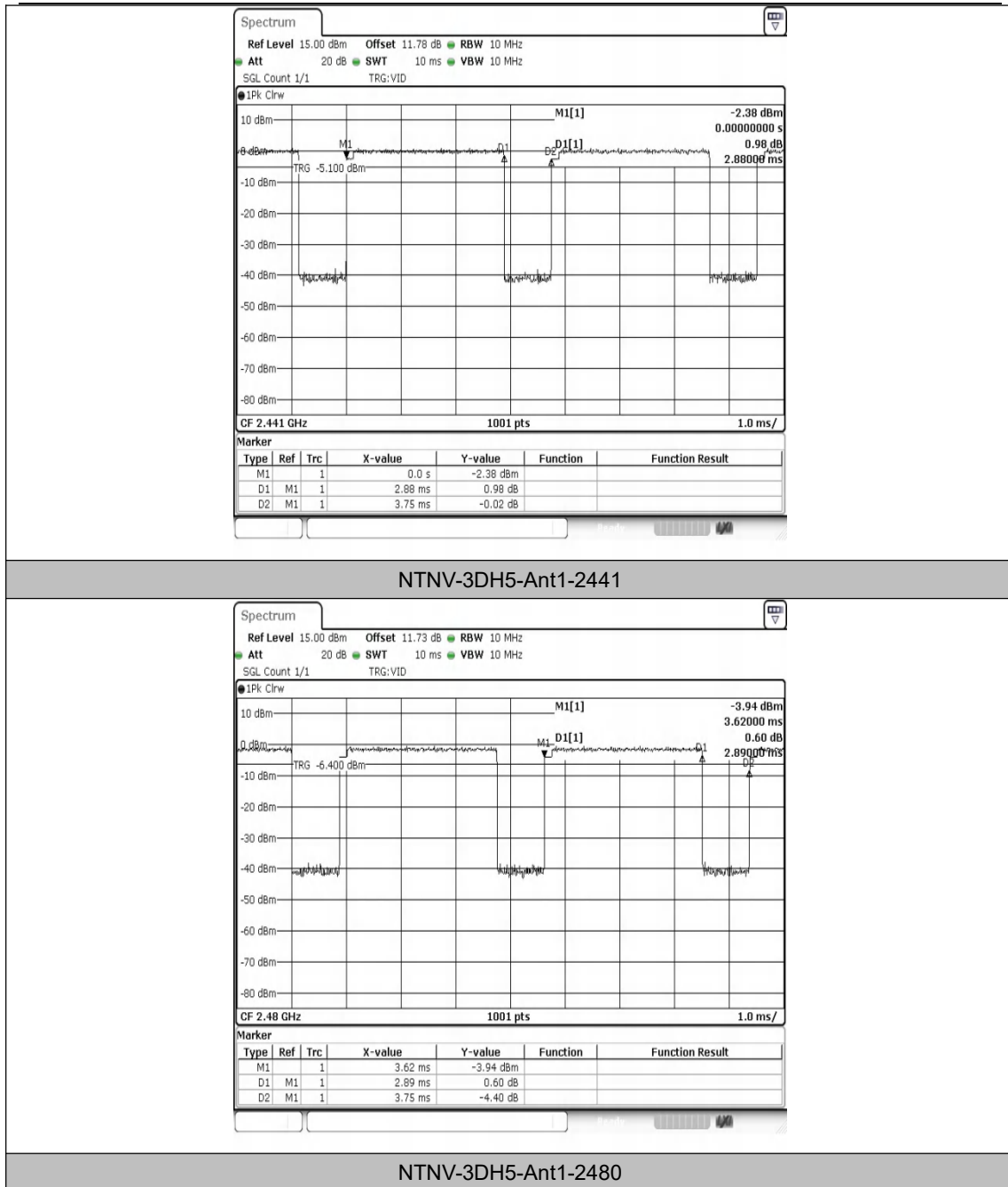
Test Graphs











---End---

