

Appendix Test Data

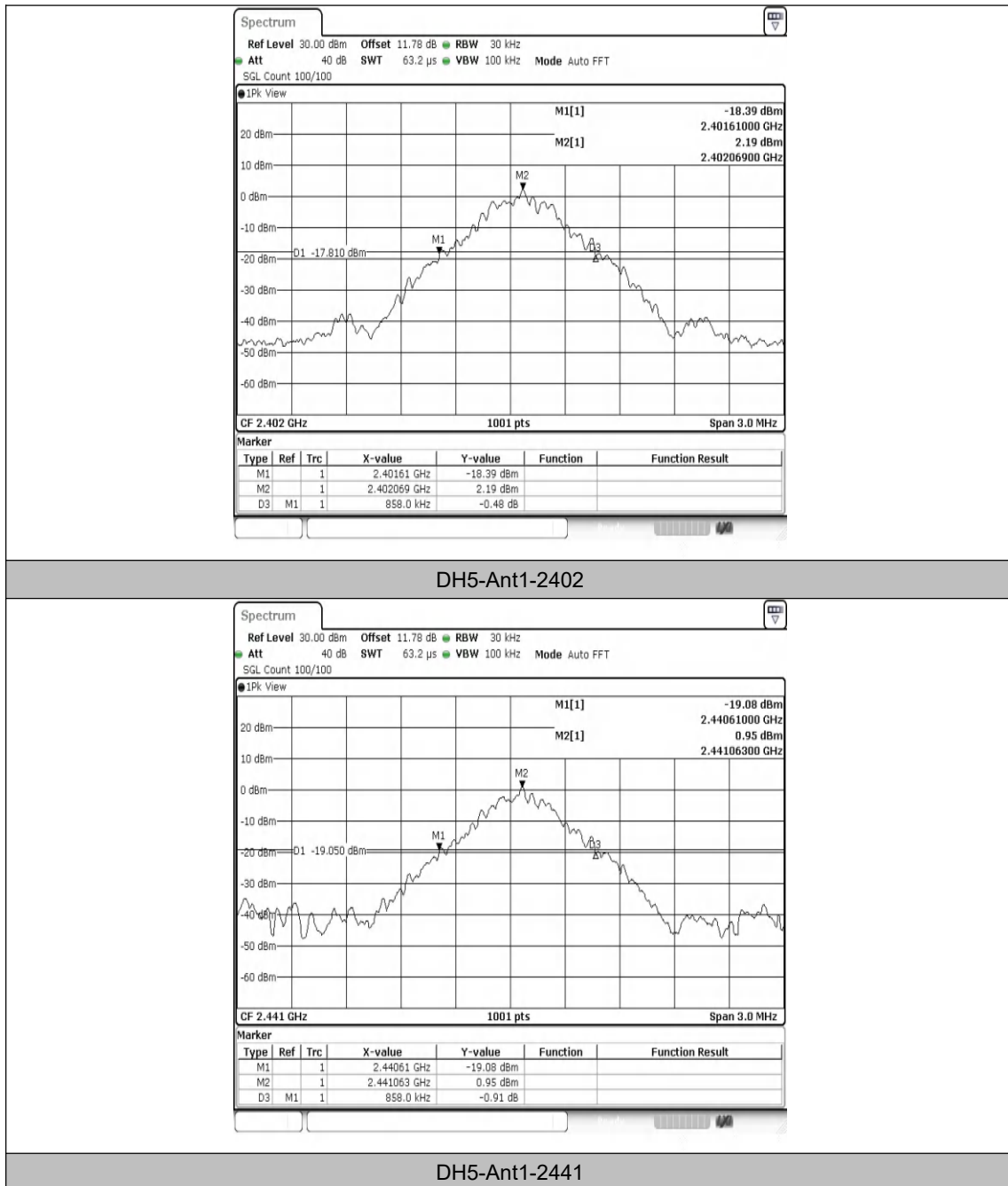
Report No.:	1812C50003812501	Test Sample No.:	1-2-2
Start Test Date:	2025.1.3	Finish Test Date:	2025.1.11
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

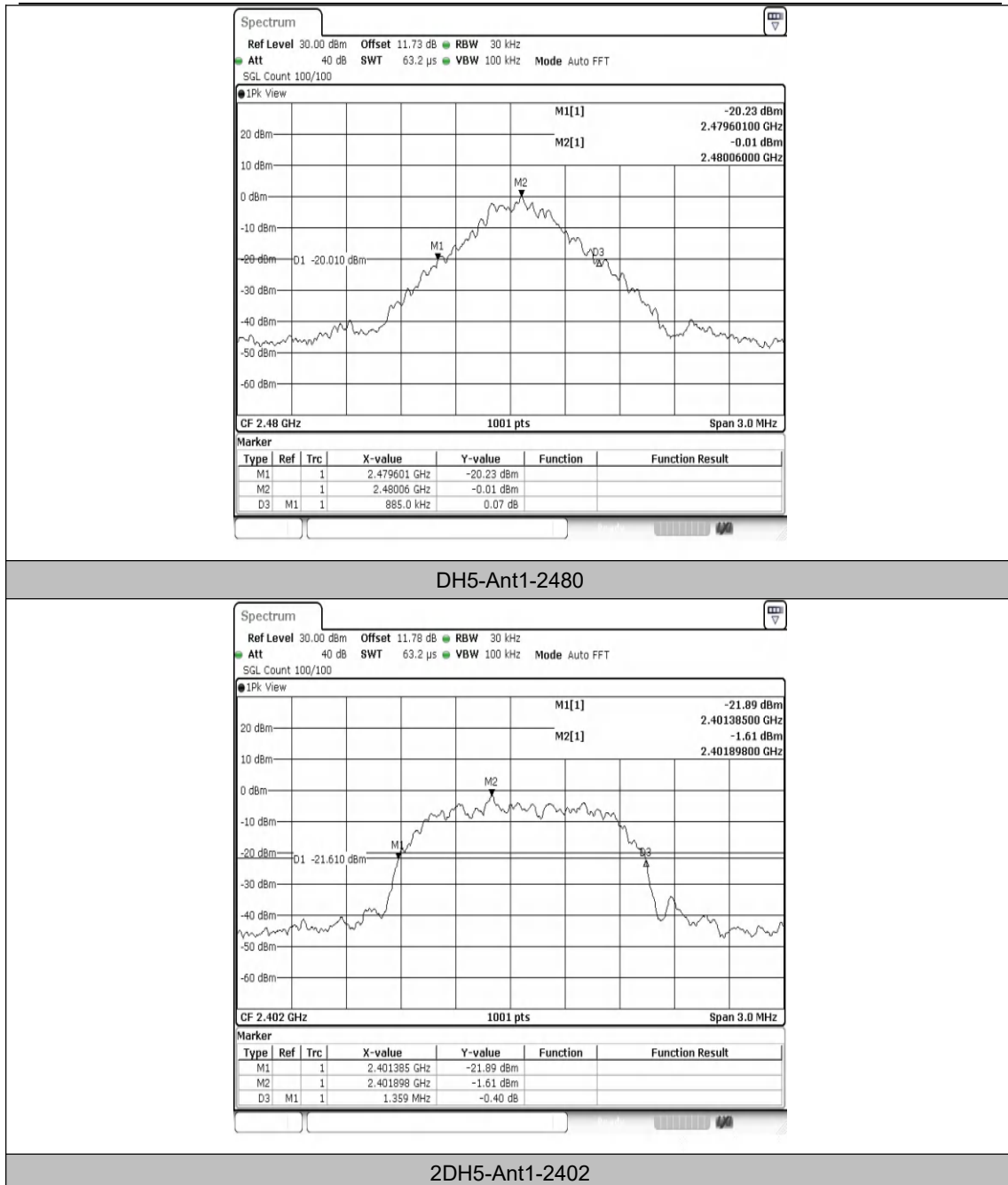
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.61	2402.47	---	---
DH5	Ant1	2441	0.86	2440.61	2441.47	---	---
DH5	Ant1	2480	0.88	2479.60	2480.49	---	---
2DH5	Ant1	2402	1.36	2401.39	2402.74	---	---
2DH5	Ant1	2441	1.31	2440.40	2441.71	---	---
2DH5	Ant1	2480	1.28	2479.42	2480.71	---	---
3DH5	Ant1	2402	1.31	2401.41	2402.72	---	---
3DH5	Ant1	2441	1.30	2440.42	2441.72	---	---
3DH5	Ant1	2480	1.28	2479.42	2480.70	---	---

Test Graphs

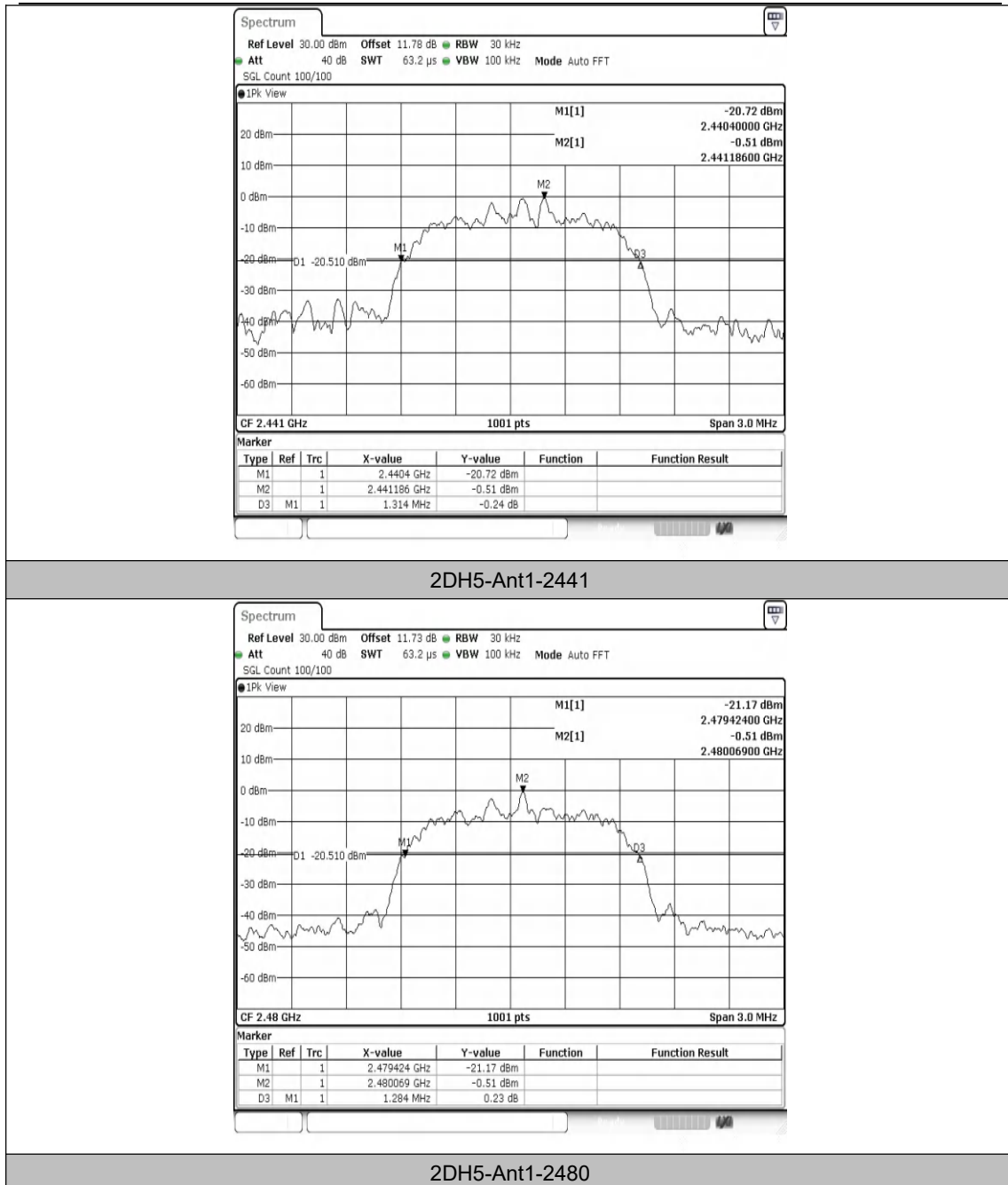




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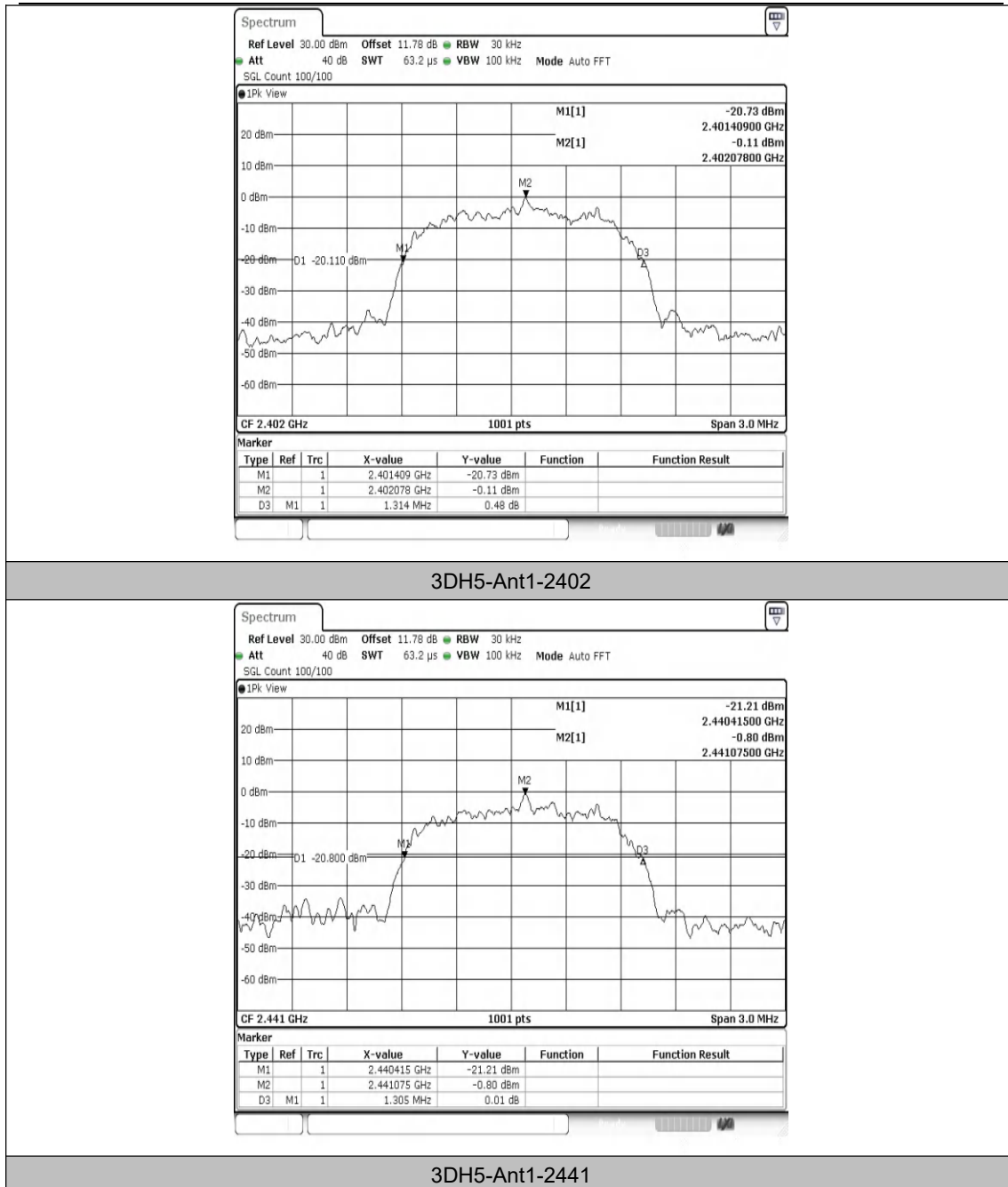
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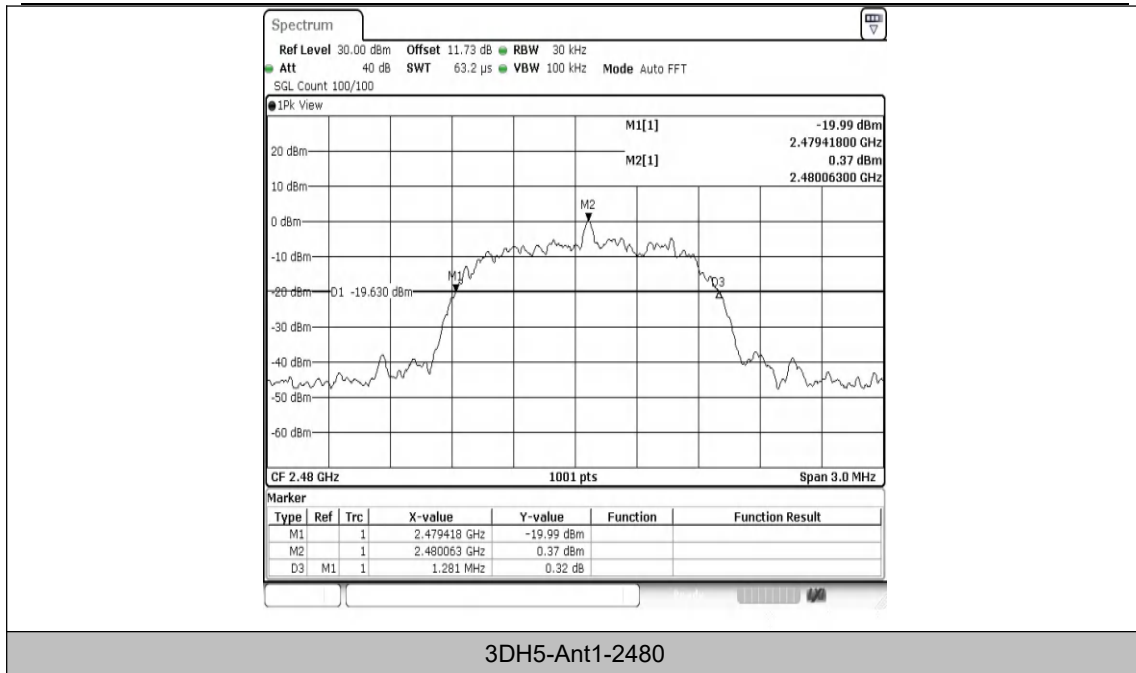


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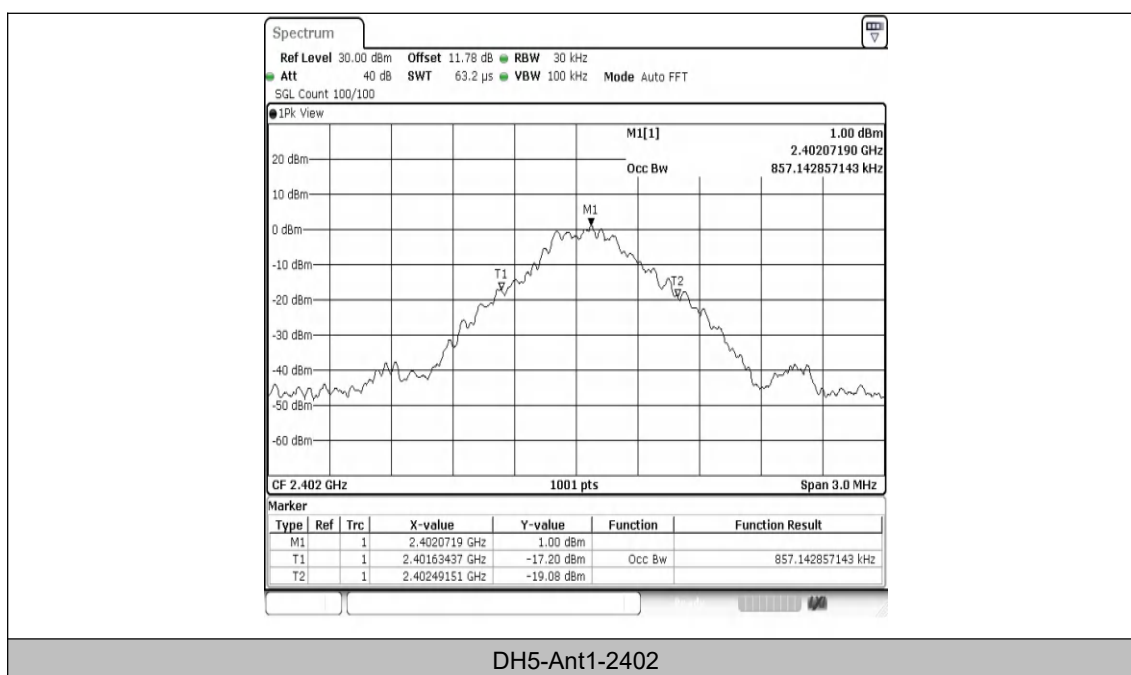
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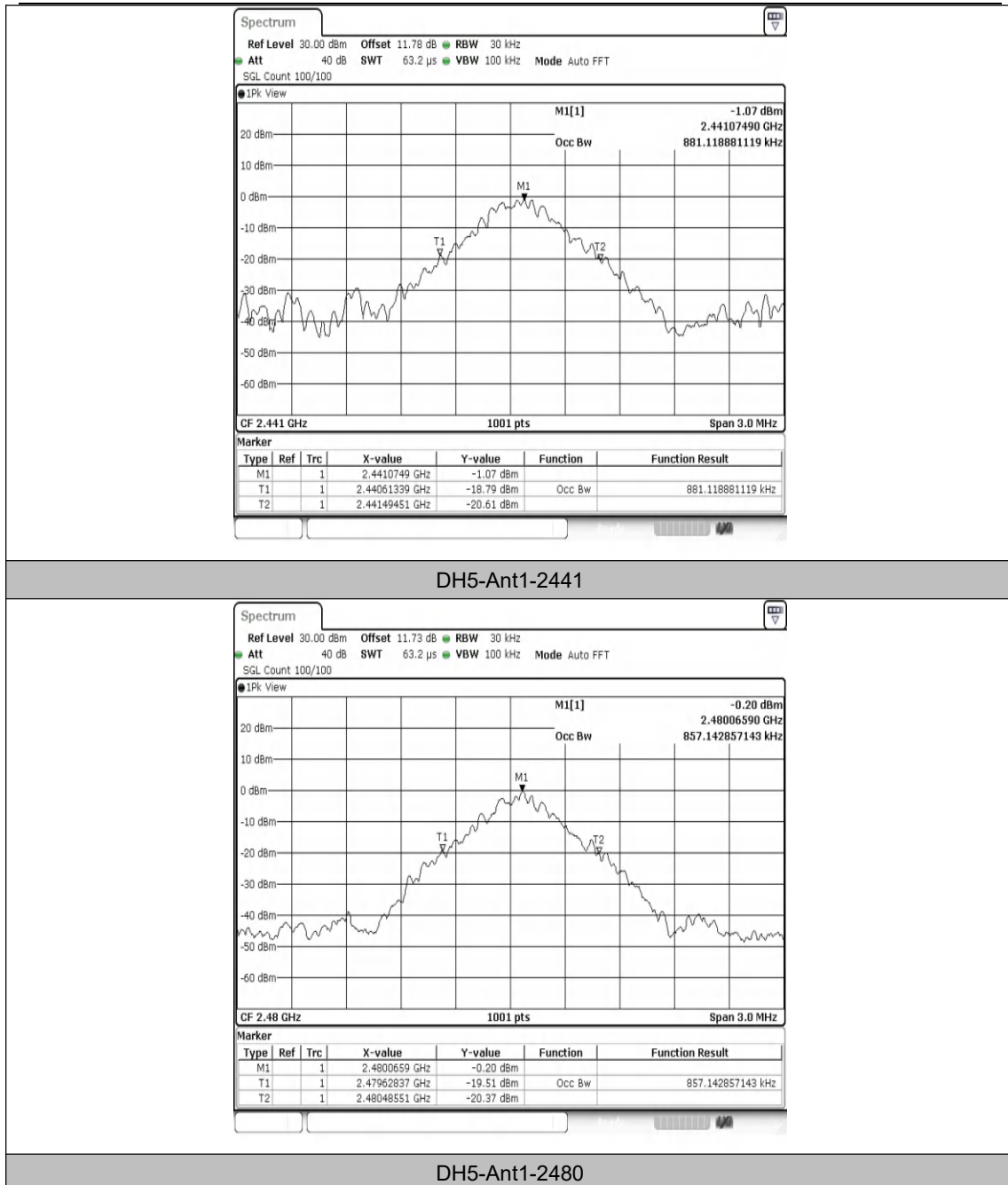
Appendix B: 99% Occupied Bandwidth

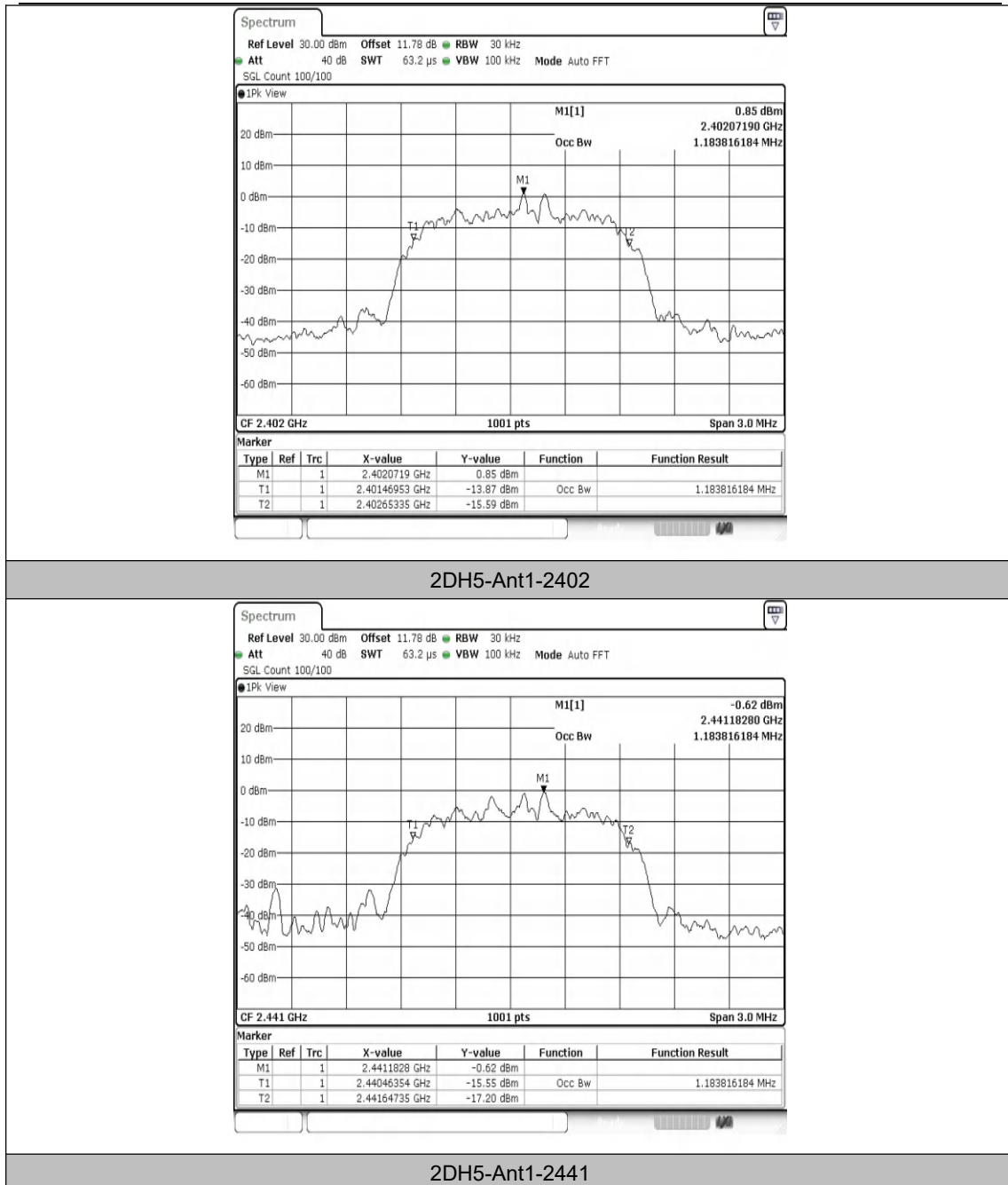
Test Result

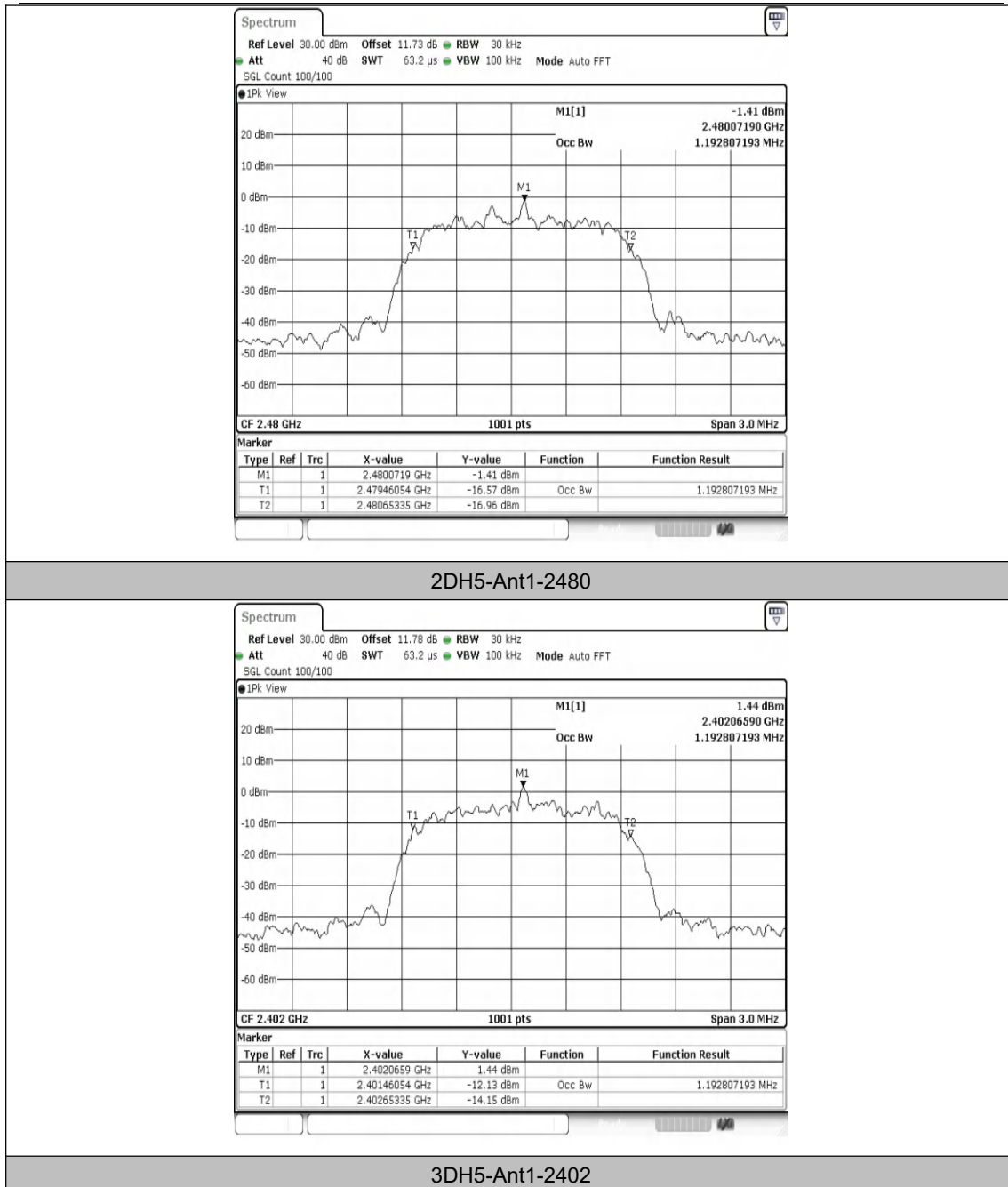
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.857	2401.6344	2402.4915	---	---
DH5	Ant1	2441	0.881	2440.6134	2441.4945	---	---
DH5	Ant1	2480	0.857	2479.6284	2480.4855	---	---
2DH5	Ant1	2402	1.184	2401.4695	2402.6533	---	---
2DH5	Ant1	2441	1.184	2440.4635	2441.6474	---	---
2DH5	Ant1	2480	1.193	2479.4605	2480.6533	---	---
3DH5	Ant1	2402	1.193	2401.4605	2402.6533	---	---
3DH5	Ant1	2441	1.205	2440.4575	2441.6623	---	---
3DH5	Ant1	2480	1.196	2479.4575	2480.6533	---	---

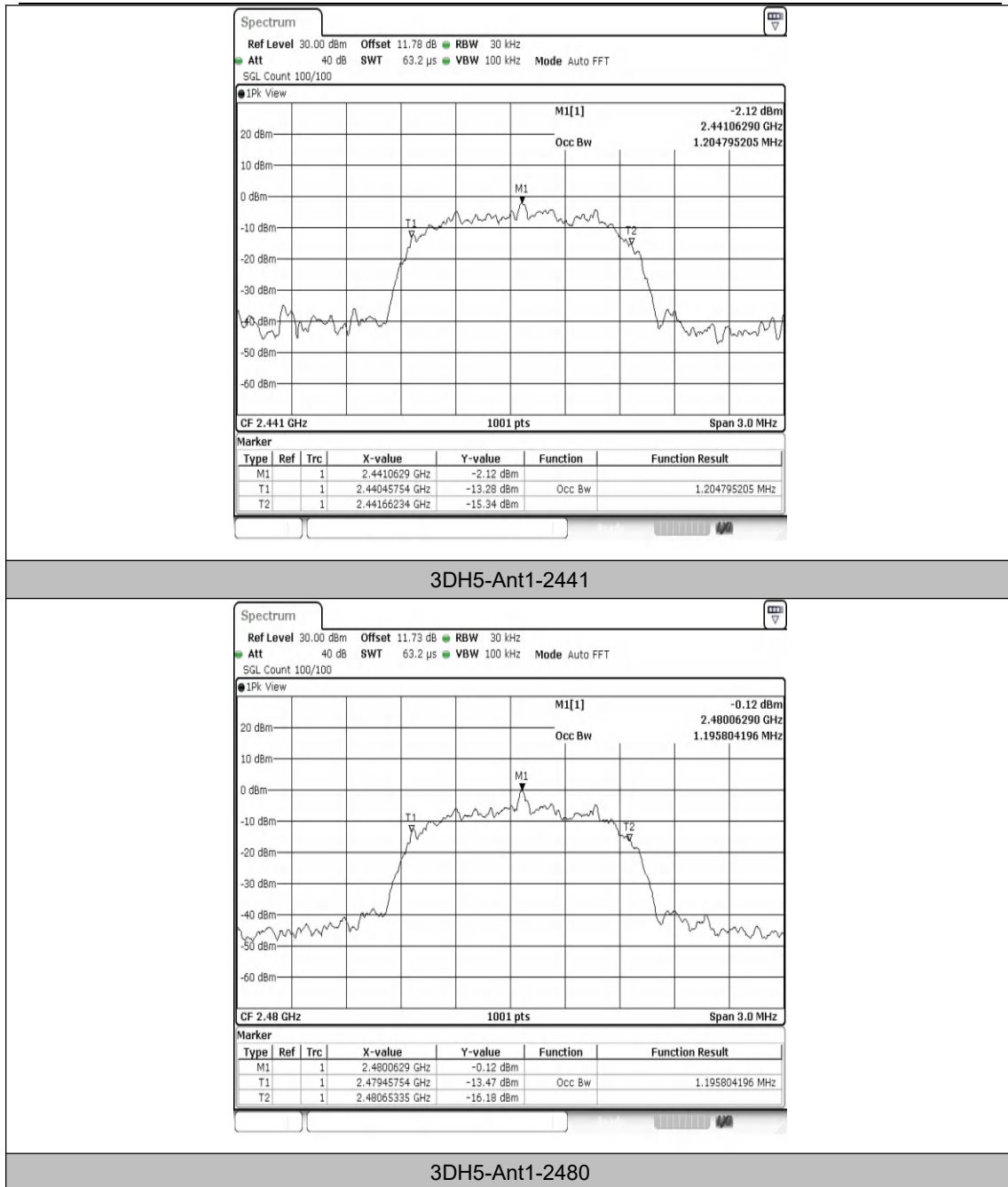
Test Graphs









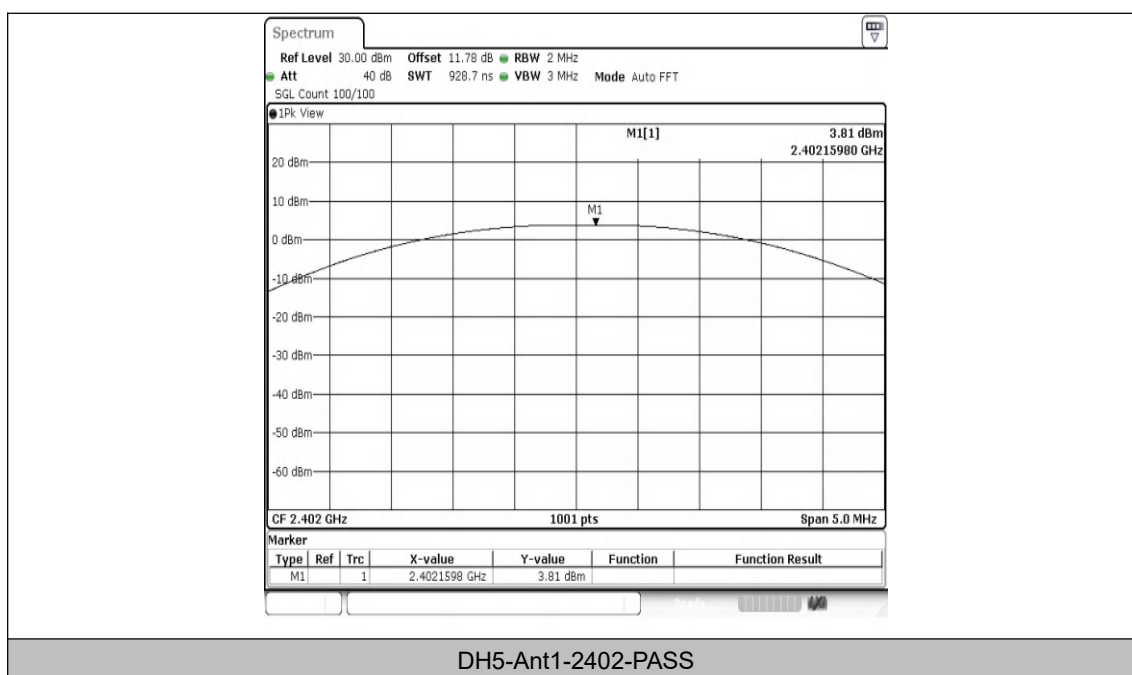


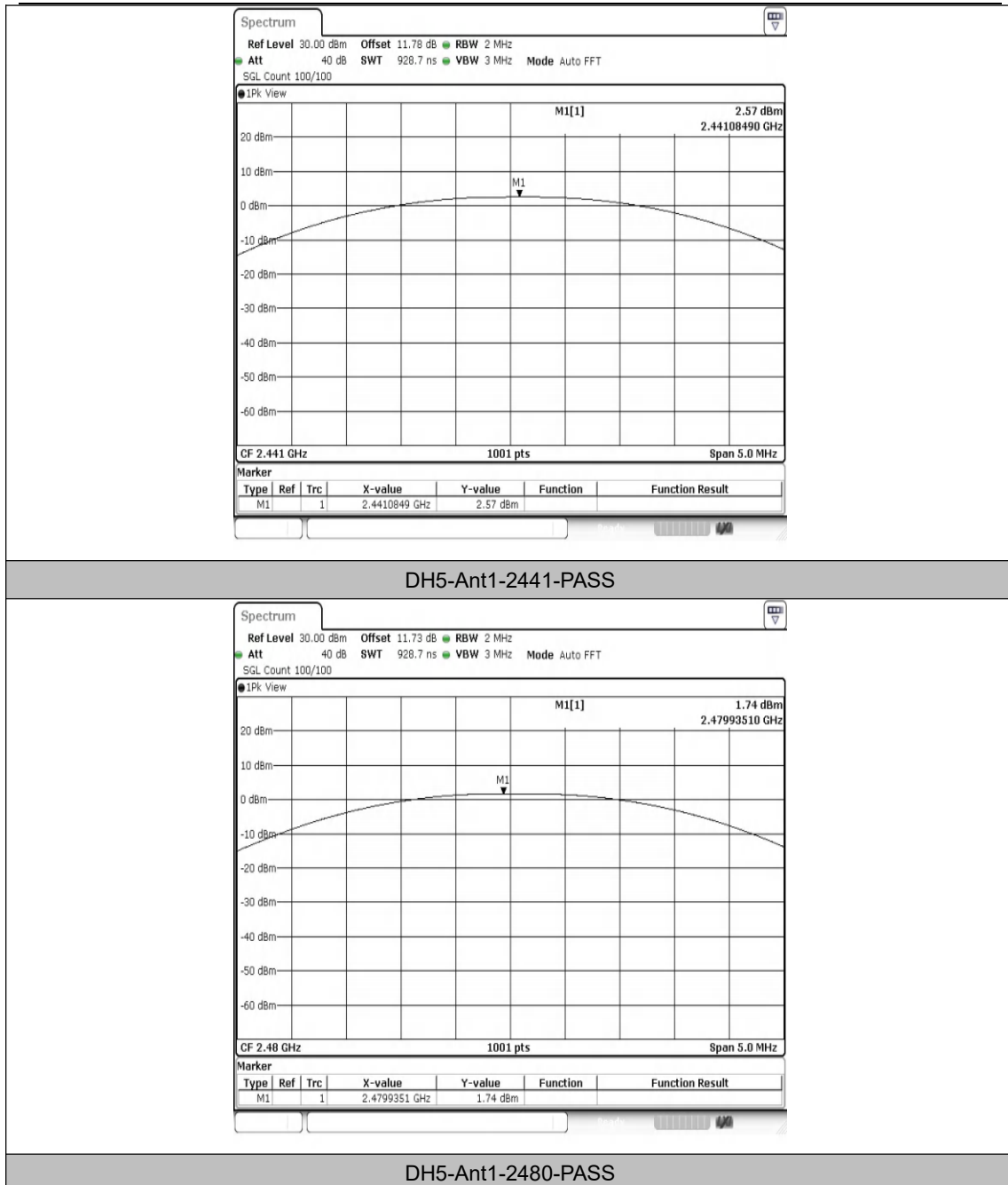
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.81	≤20.97	PASS
DH5	Ant1	2441	2.57	≤20.97	PASS
DH5	Ant1	2480	1.74	≤20.97	PASS
2DH5	Ant1	2402	5.72	≤20.97	PASS
2DH5	Ant1	2441	4.19	≤20.97	PASS
2DH5	Ant1	2480	3.25	≤20.97	PASS
3DH5	Ant1	2402	6.05	≤20.97	PASS
3DH5	Ant1	2441	4.42	≤20.97	PASS
3DH5	Ant1	2480	3.52	≤20.97	PASS

Test Graphs

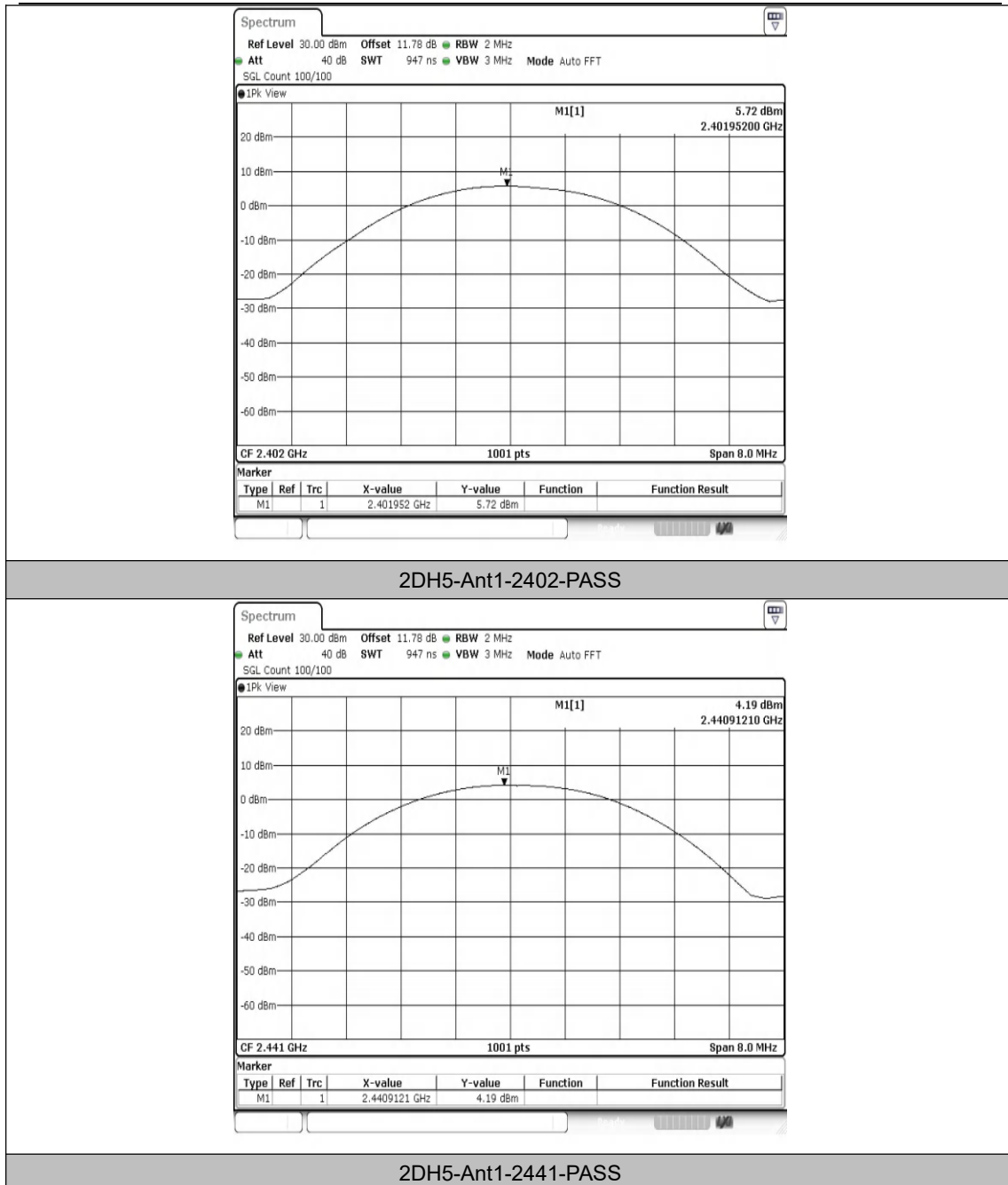


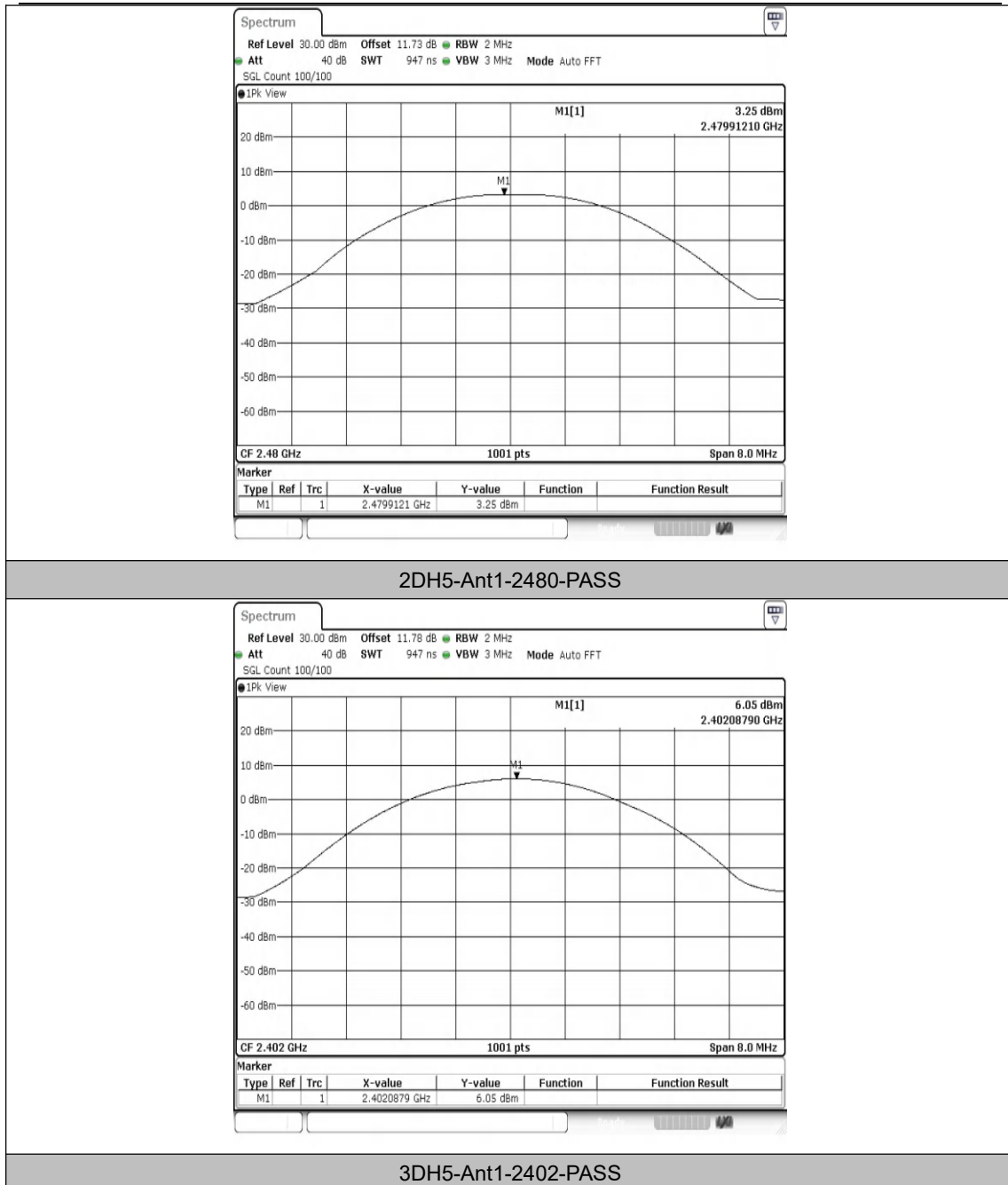


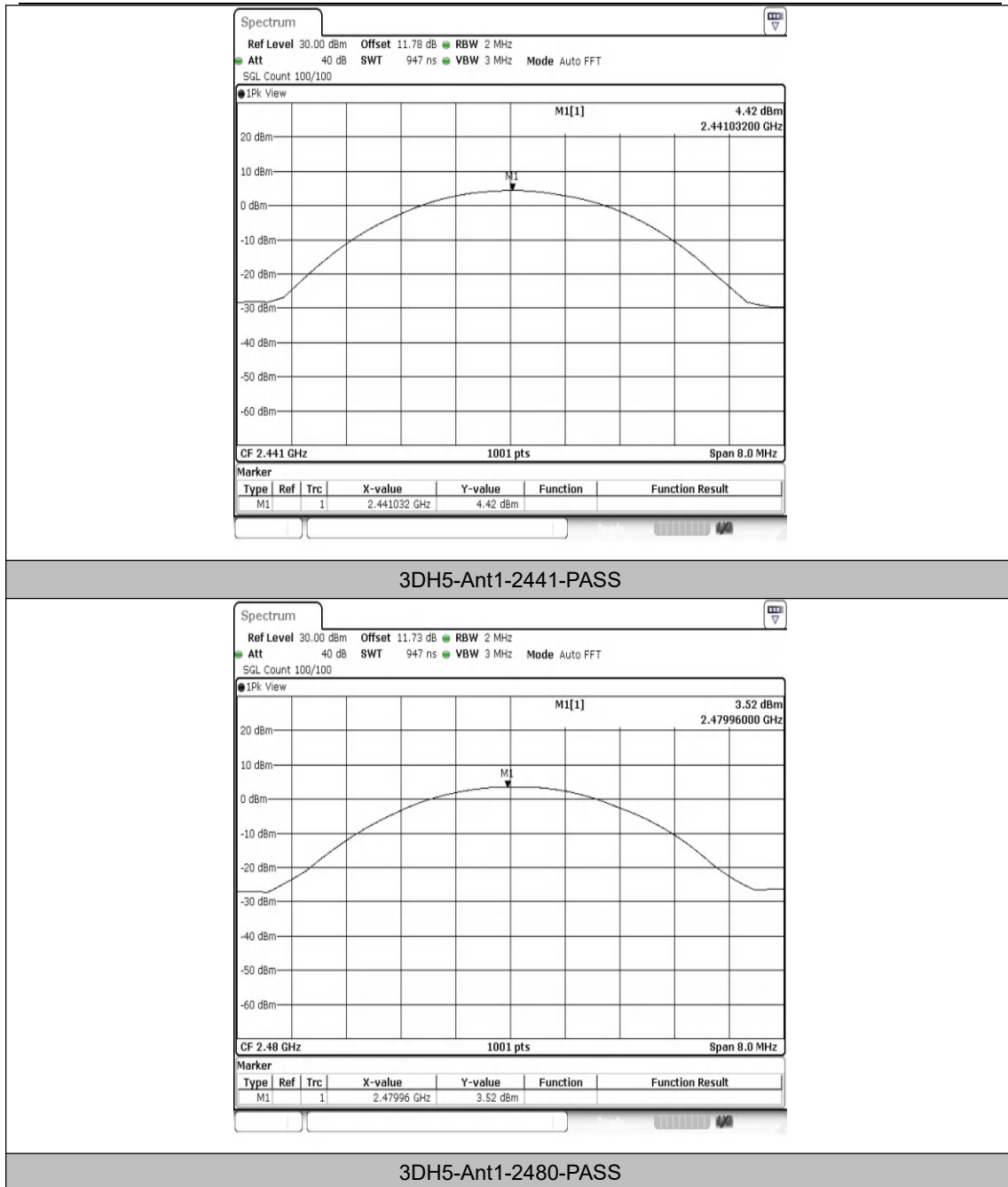
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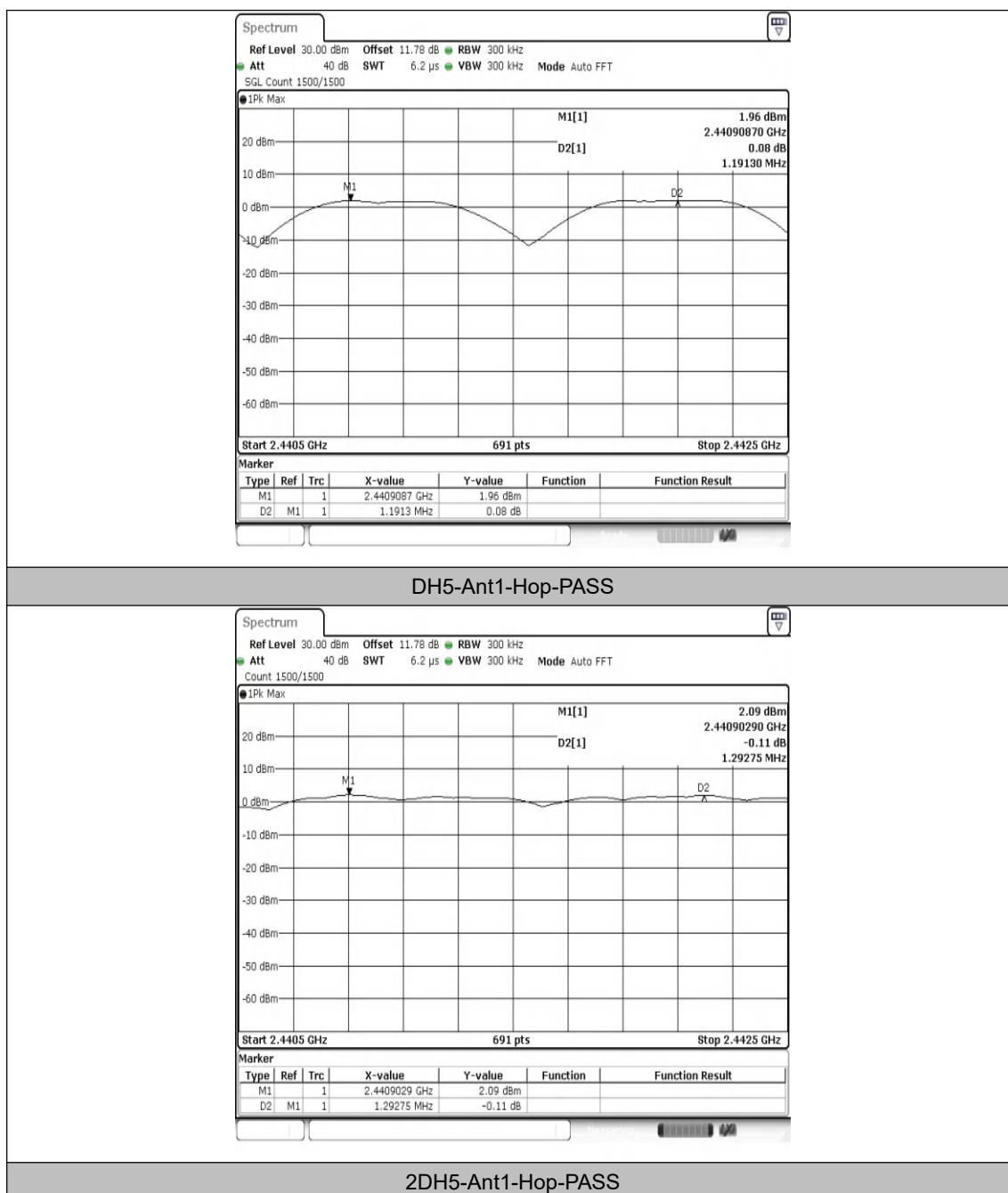
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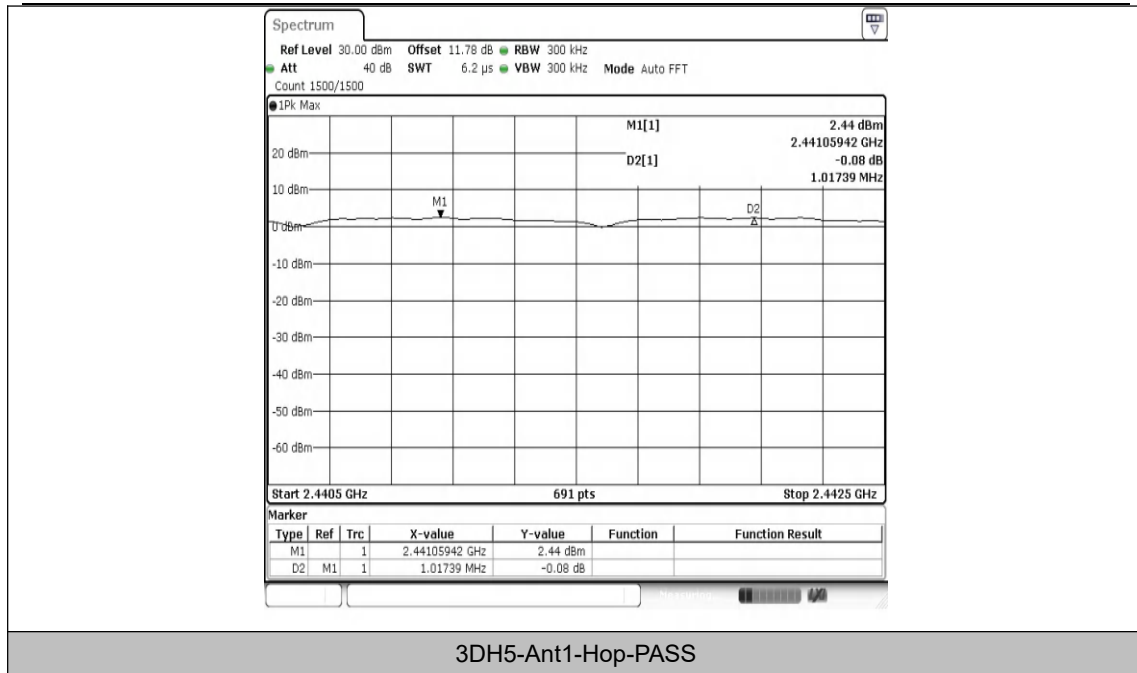
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.191	≥0.880	PASS
2DH5	Ant1	Hop	1.293	≥0.907	PASS
3DH5	Ant1	Hop	1.017	≥0.873	PASS

Test Graphs





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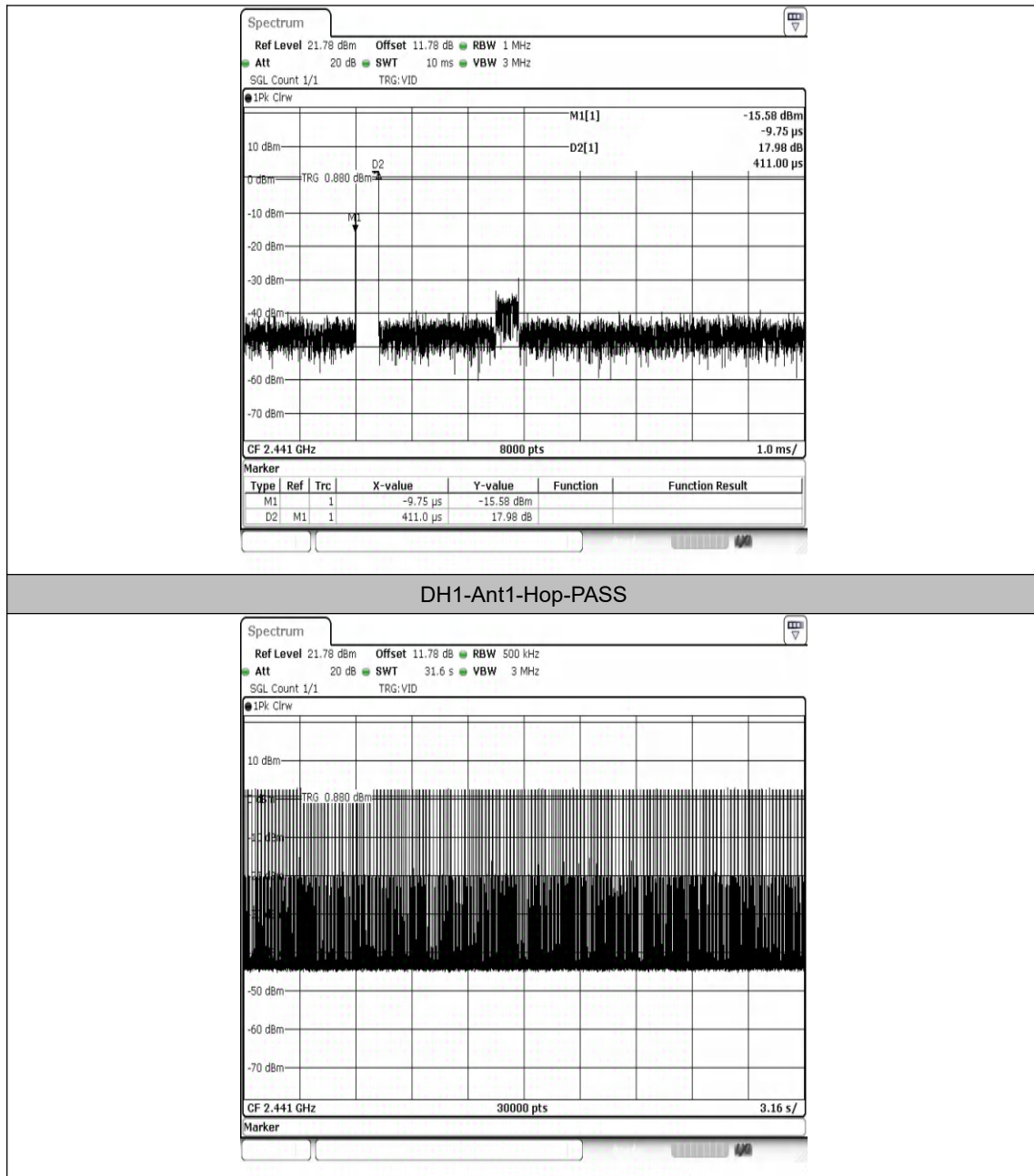
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.411	317	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.666	154	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.915	101	0.294	≤0.4	PASS
2DH1	Ant1	Hop	0.420	317	0.133	≤0.4	PASS
2DH3	Ant1	Hop	1.673	153	0.256	≤0.4	PASS
2DH5	Ant1	Hop	2.920	99	0.289	≤0.4	PASS
3DH1	Ant1	Hop	0.423	321	0.136	≤0.4	PASS
3DH3	Ant1	Hop	1.673	166	0.278	≤0.4	PASS
3DH5	Ant1	Hop	2.924	101	0.295	≤0.4	PASS



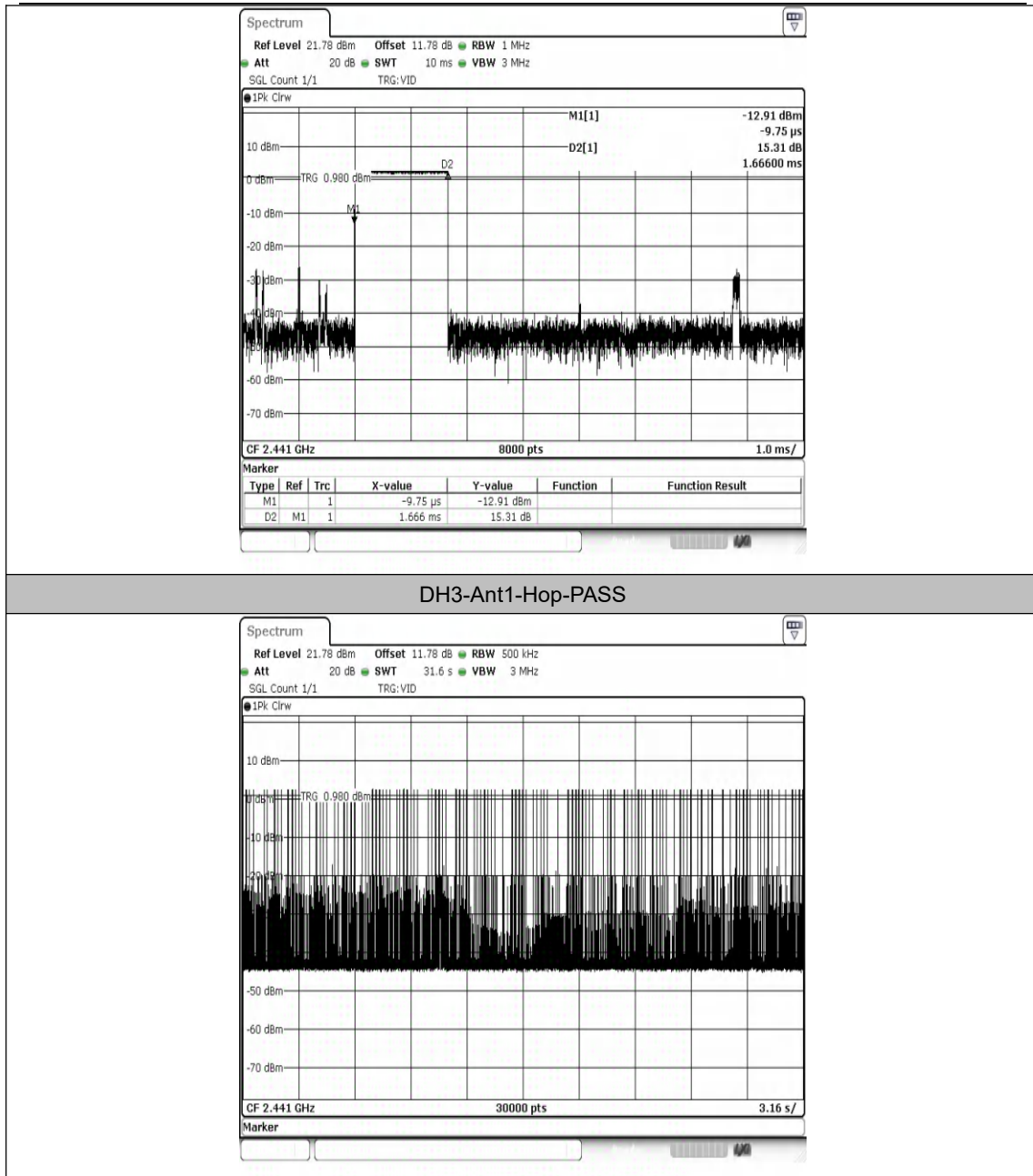
Test Graphs



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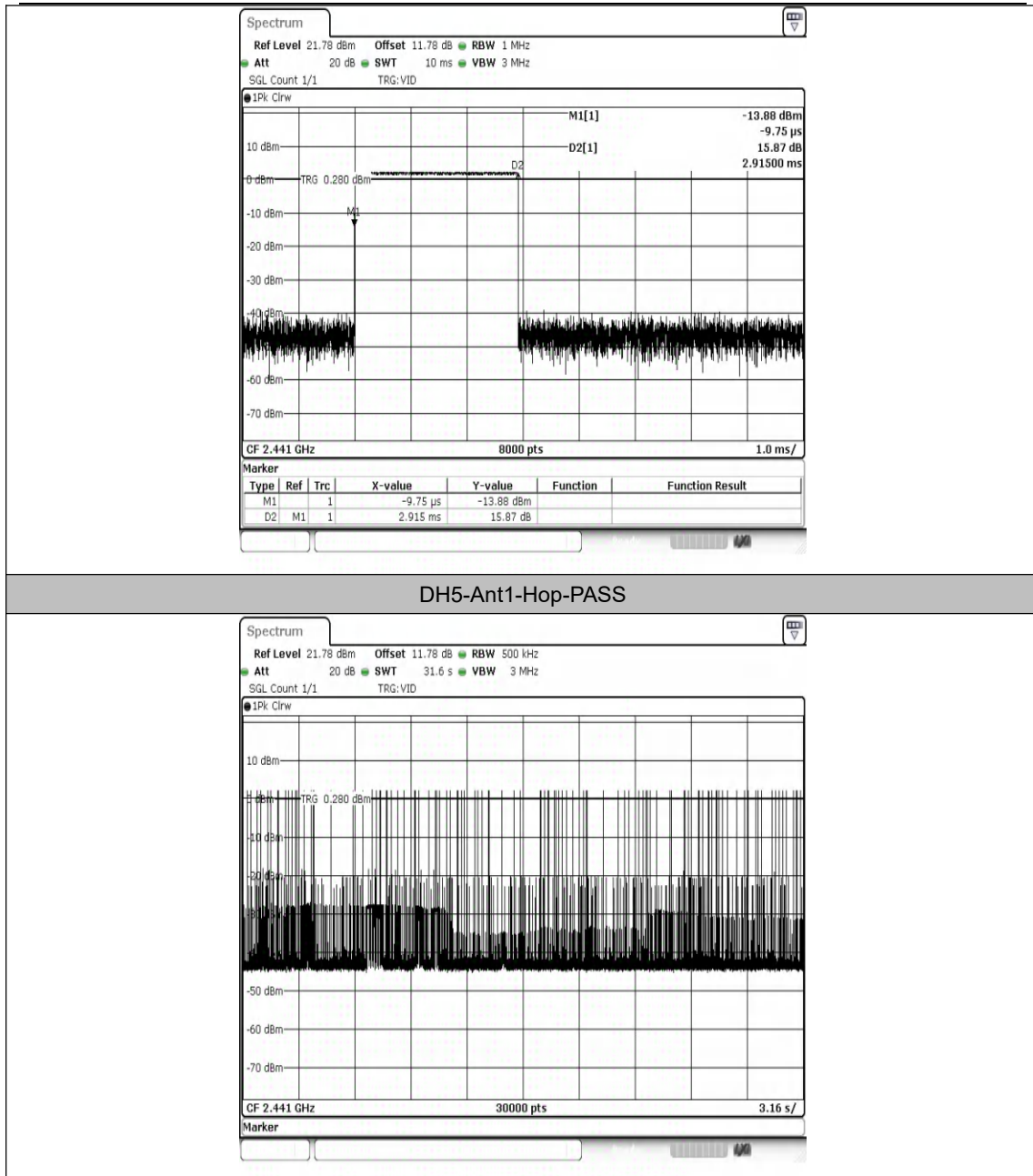
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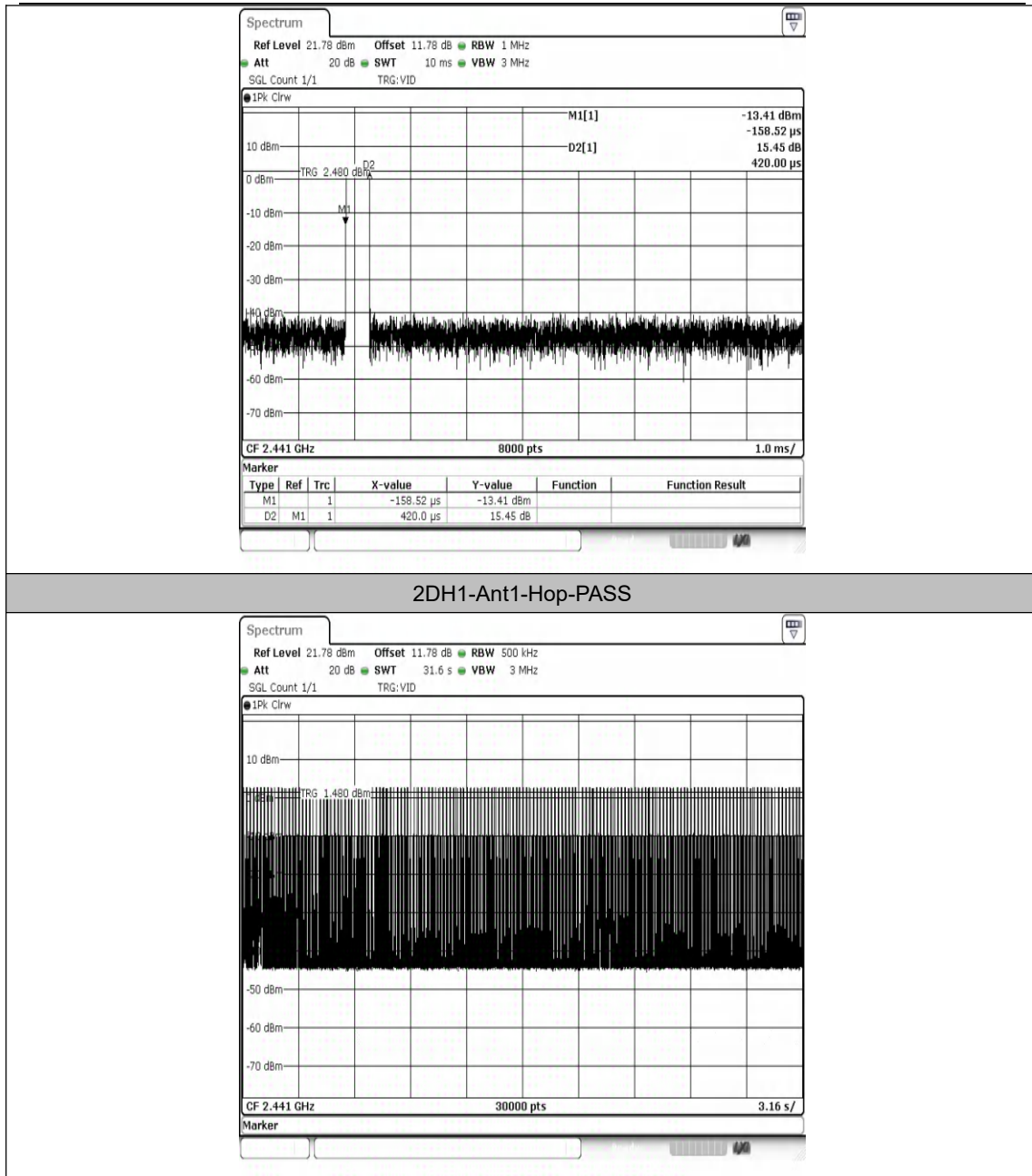


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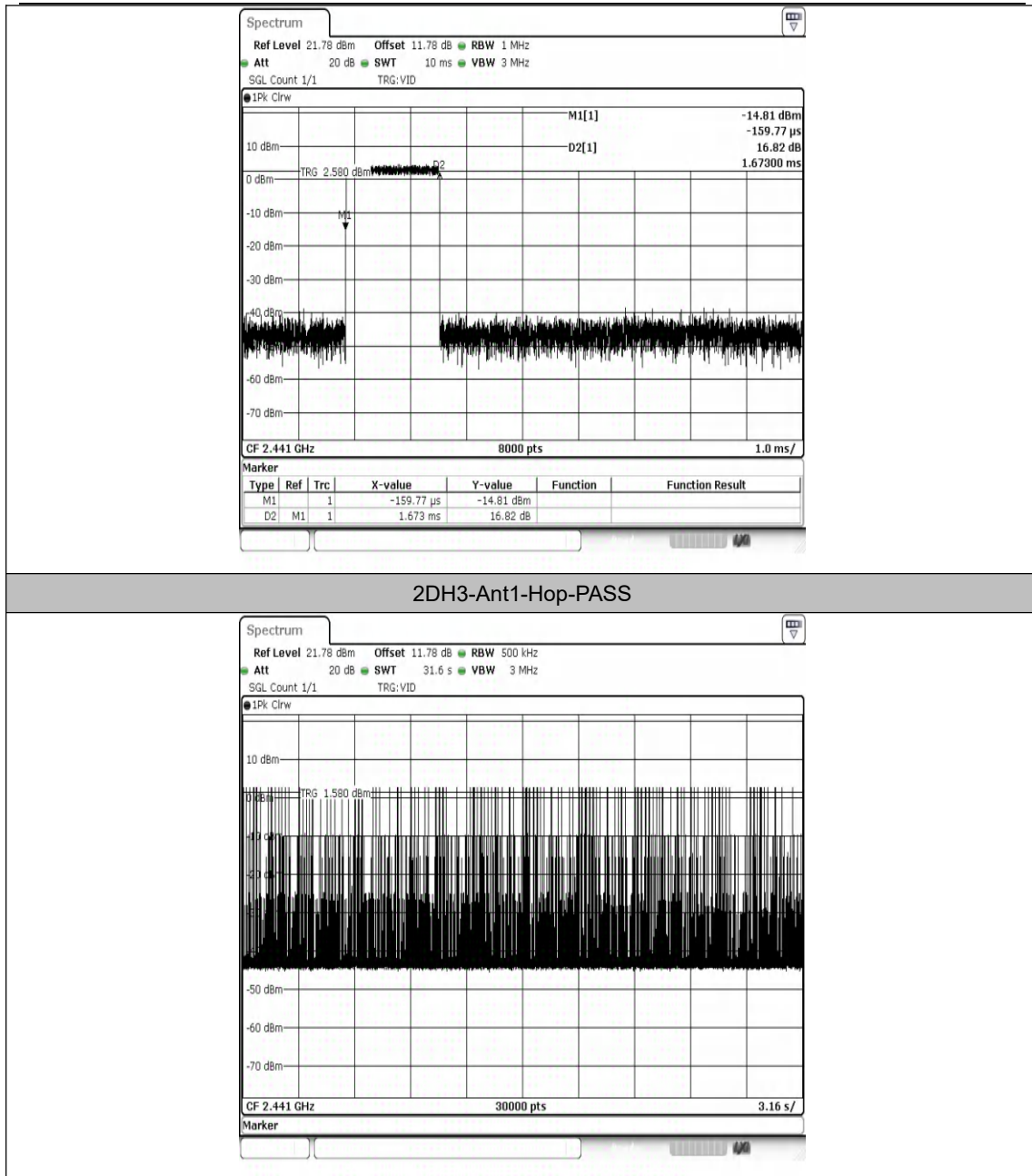




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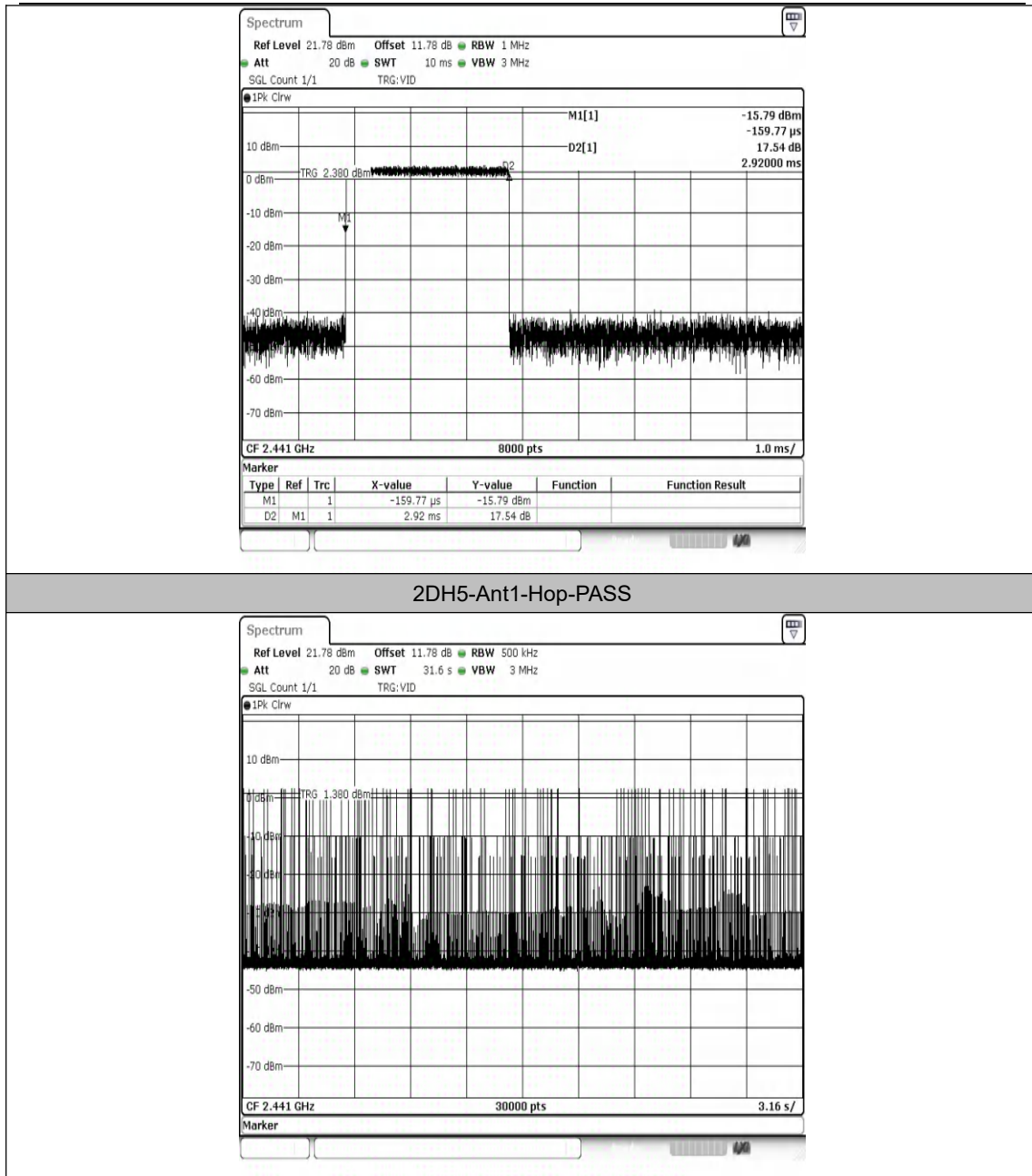


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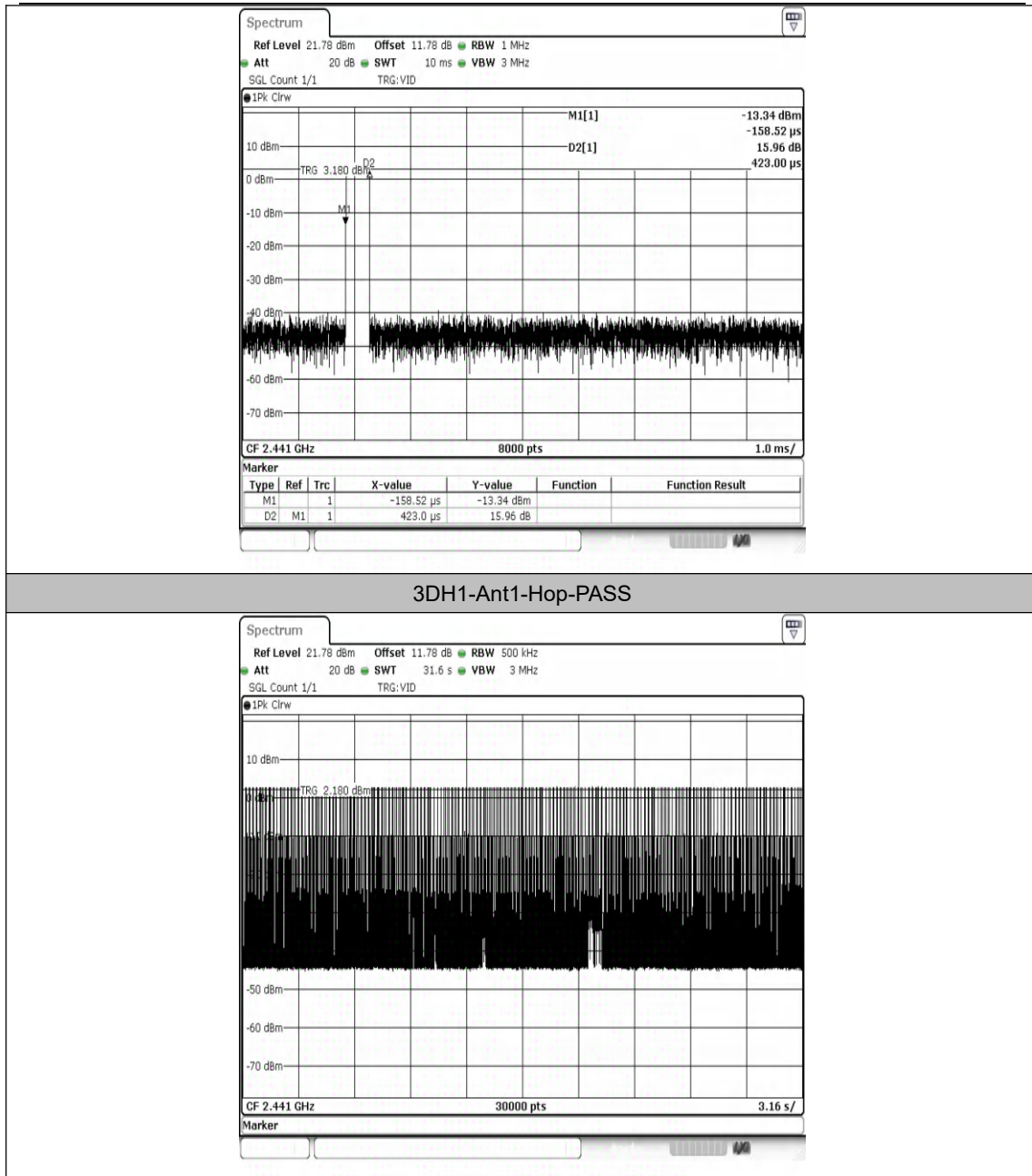
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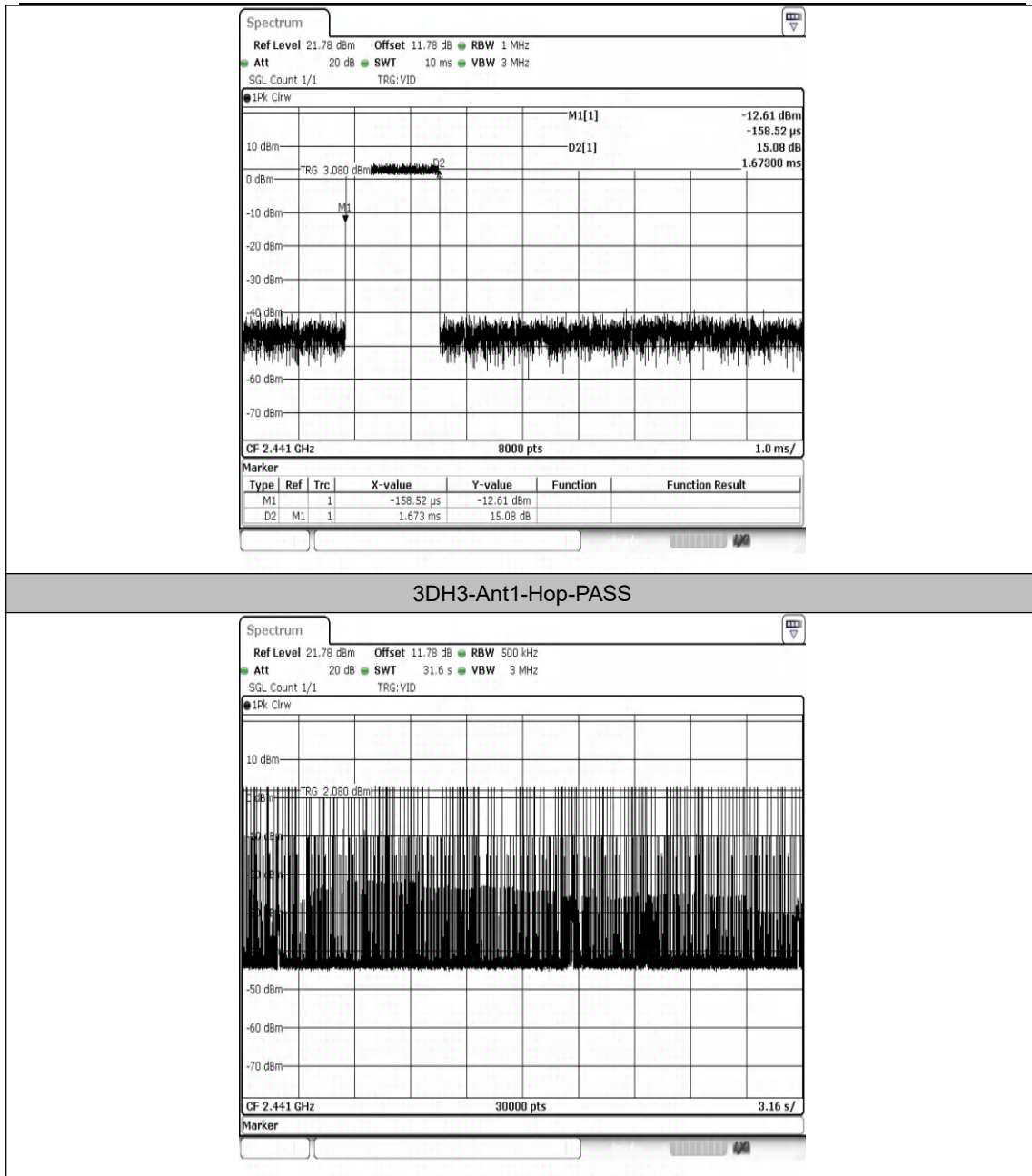
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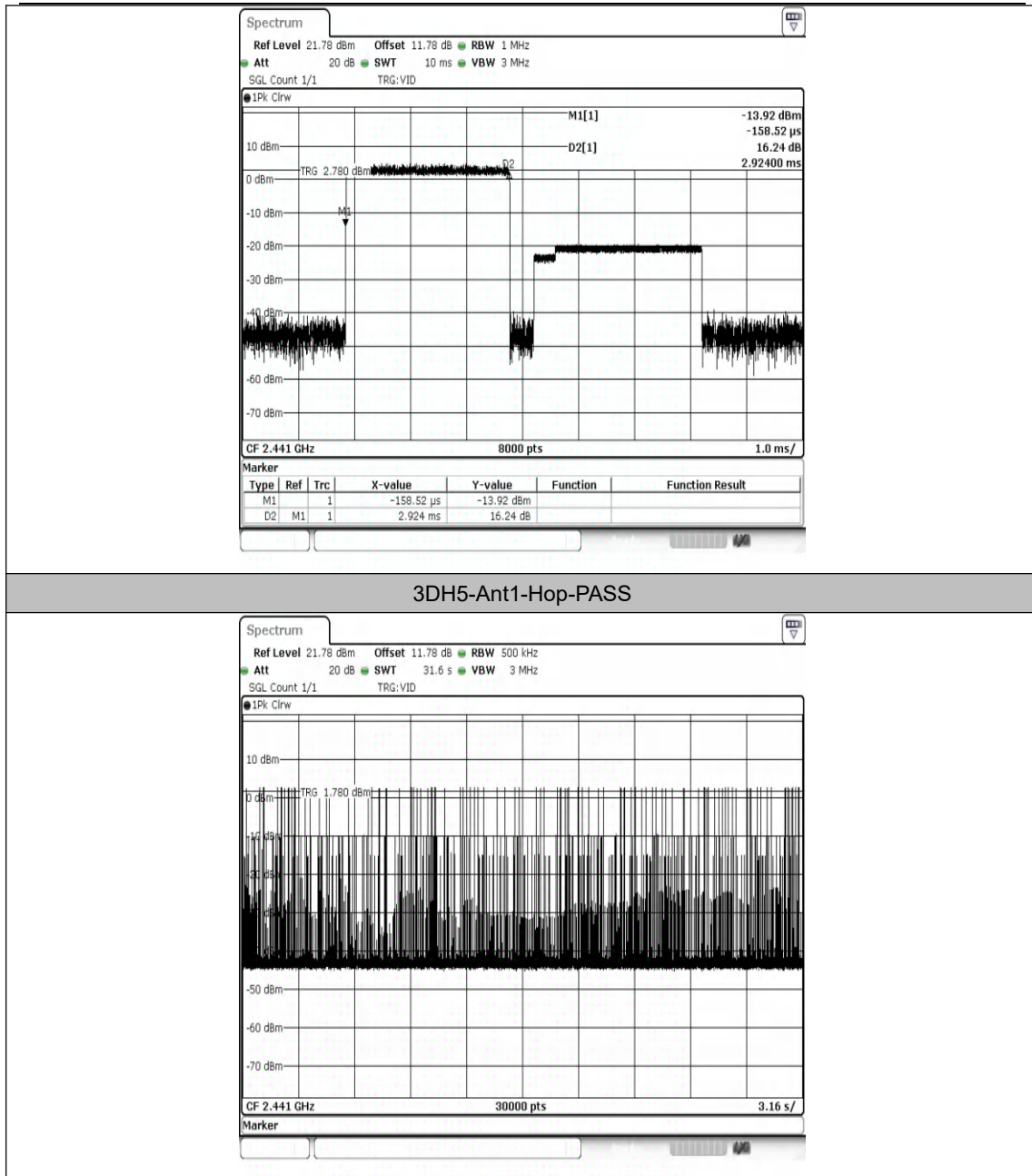
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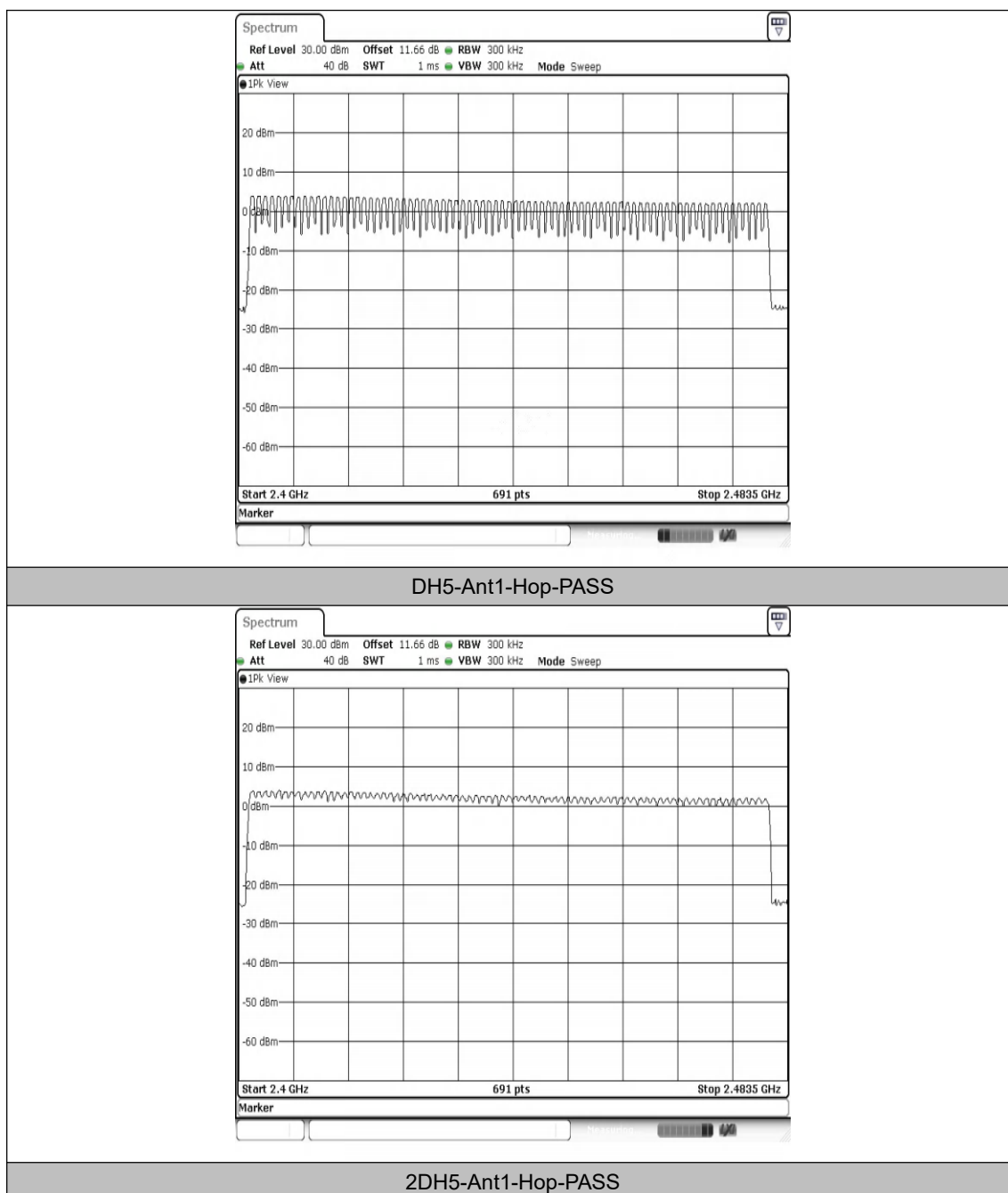
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Appendix F: Number of Hopping Channel

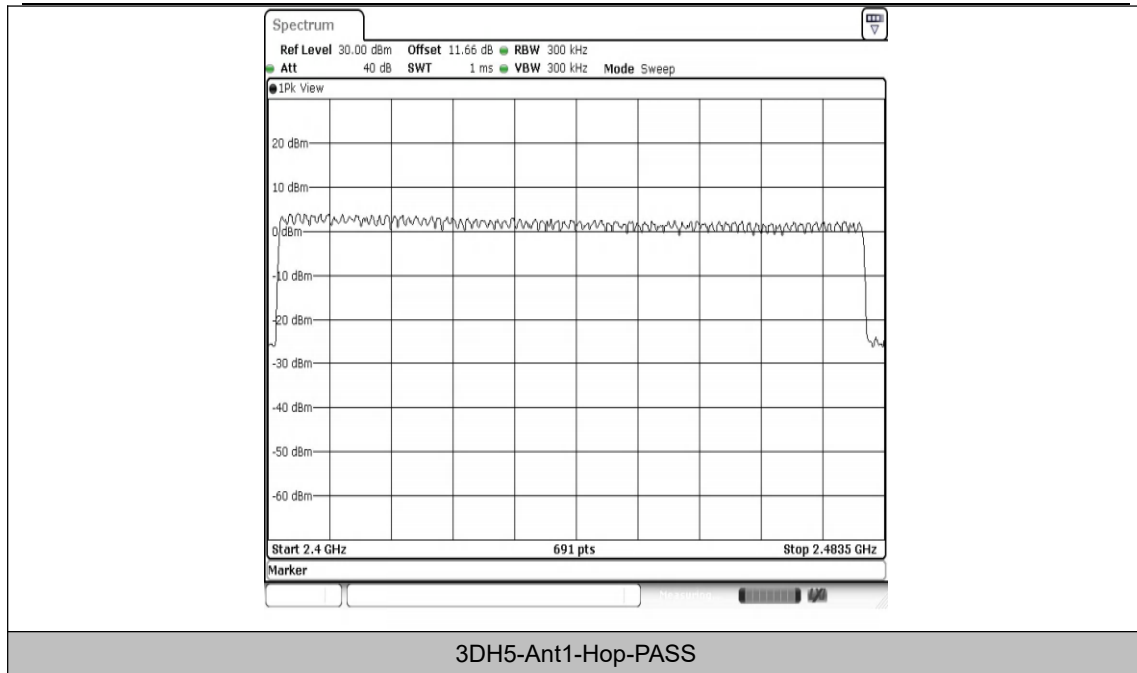
Test Result

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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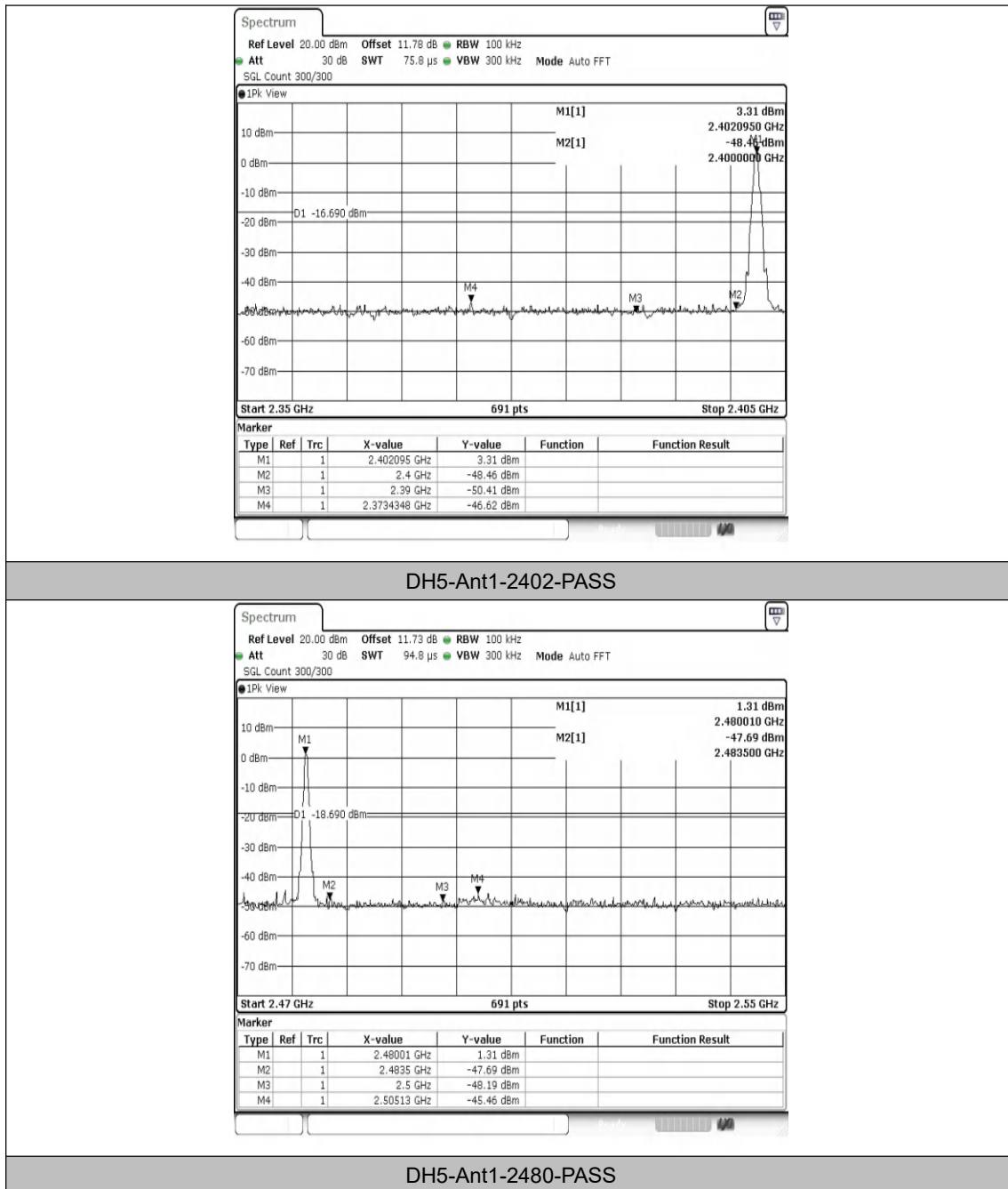
Appendix G: Conducted Band edge

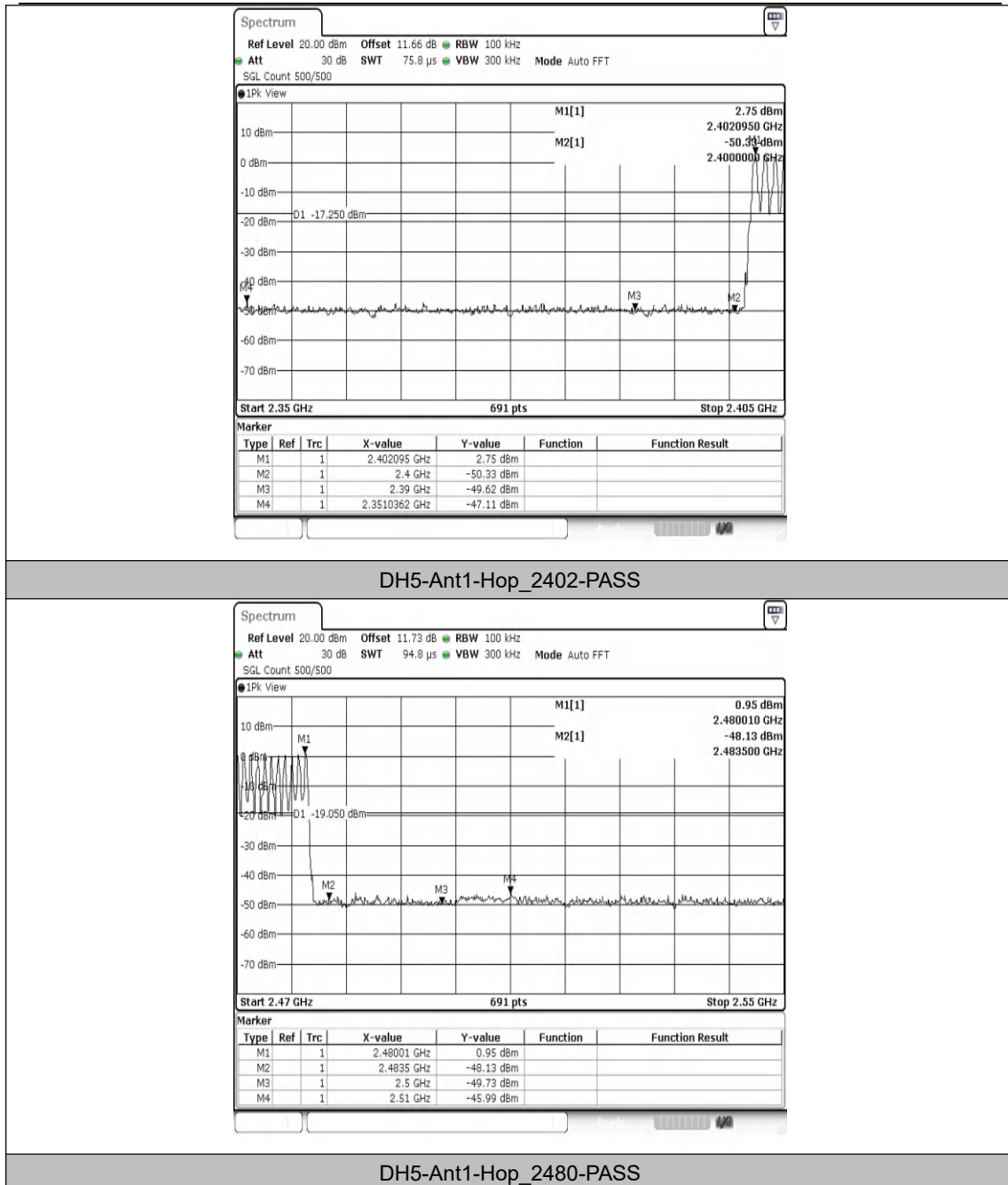
Test Result

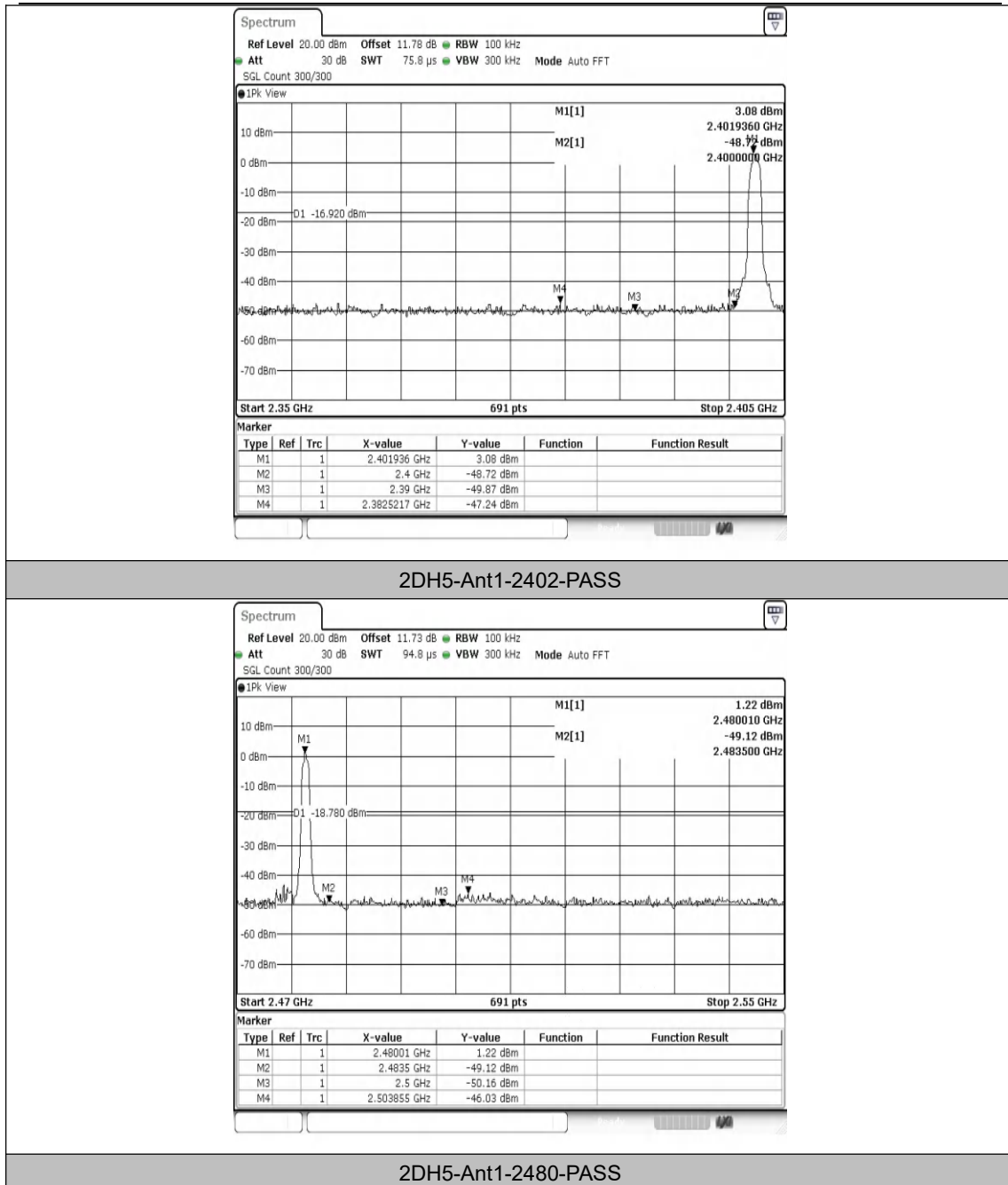
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.31	-46.62	≤-16.69	PASS
DH5	Ant1	High	2480	1.31	-45.46	≤-18.69	PASS
DH5	Ant1	Low	Hop_2402	2.75	-47.11	≤-17.25	PASS
DH5	Ant1	High	Hop_2480	0.95	-45.99	≤-19.05	PASS
2DH5	Ant1	Low	2402	3.08	-47.24	≤-16.92	PASS
2DH5	Ant1	High	2480	1.22	-46.03	≤-18.78	PASS
2DH5	Ant1	Low	Hop_2402	1.49	-47.44	≤-18.51	PASS
2DH5	Ant1	High	Hop_2480	1.59	-45.48	≤-18.41	PASS
3DH5	Ant1	Low	2402	3.17	-46	≤-16.83	PASS
3DH5	Ant1	High	2480	1.51	-46.26	≤-18.49	PASS
3DH5	Ant1	Low	Hop_2402	-0.44	-46.75	≤-20.44	PASS
3DH5	Ant1	High	Hop_2480	1.59	-46.07	≤-18.41	PASS

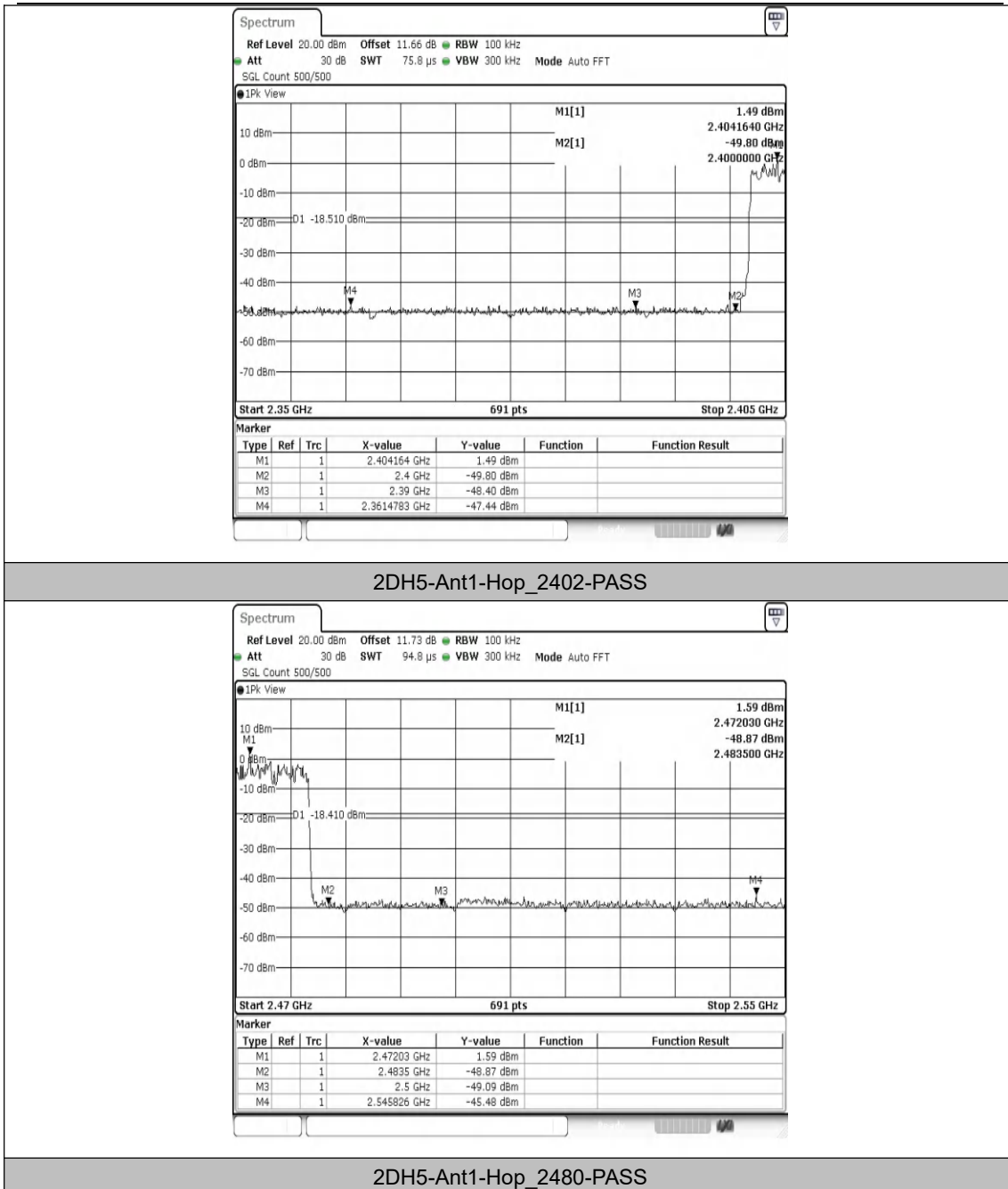


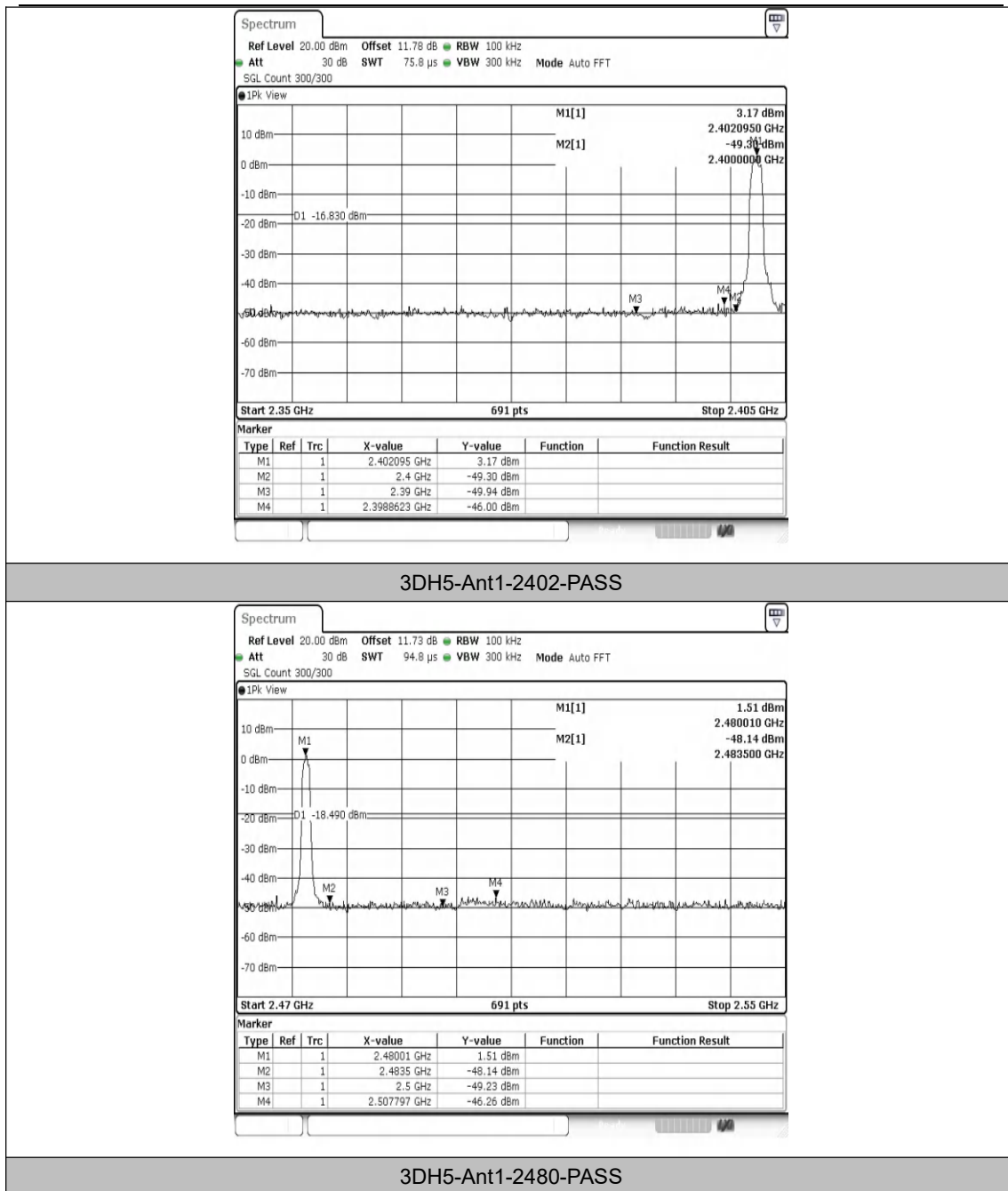
Test Graphs

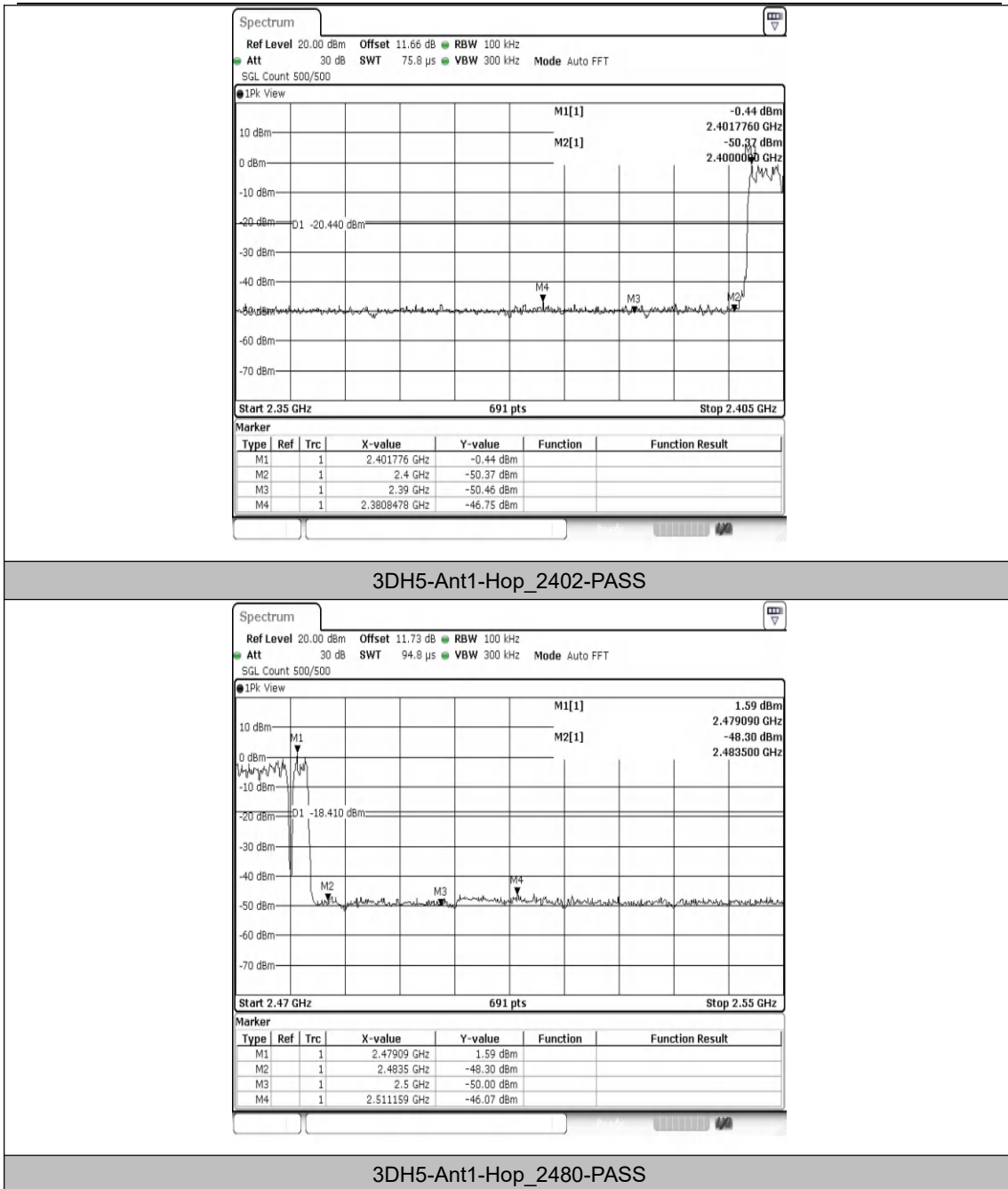












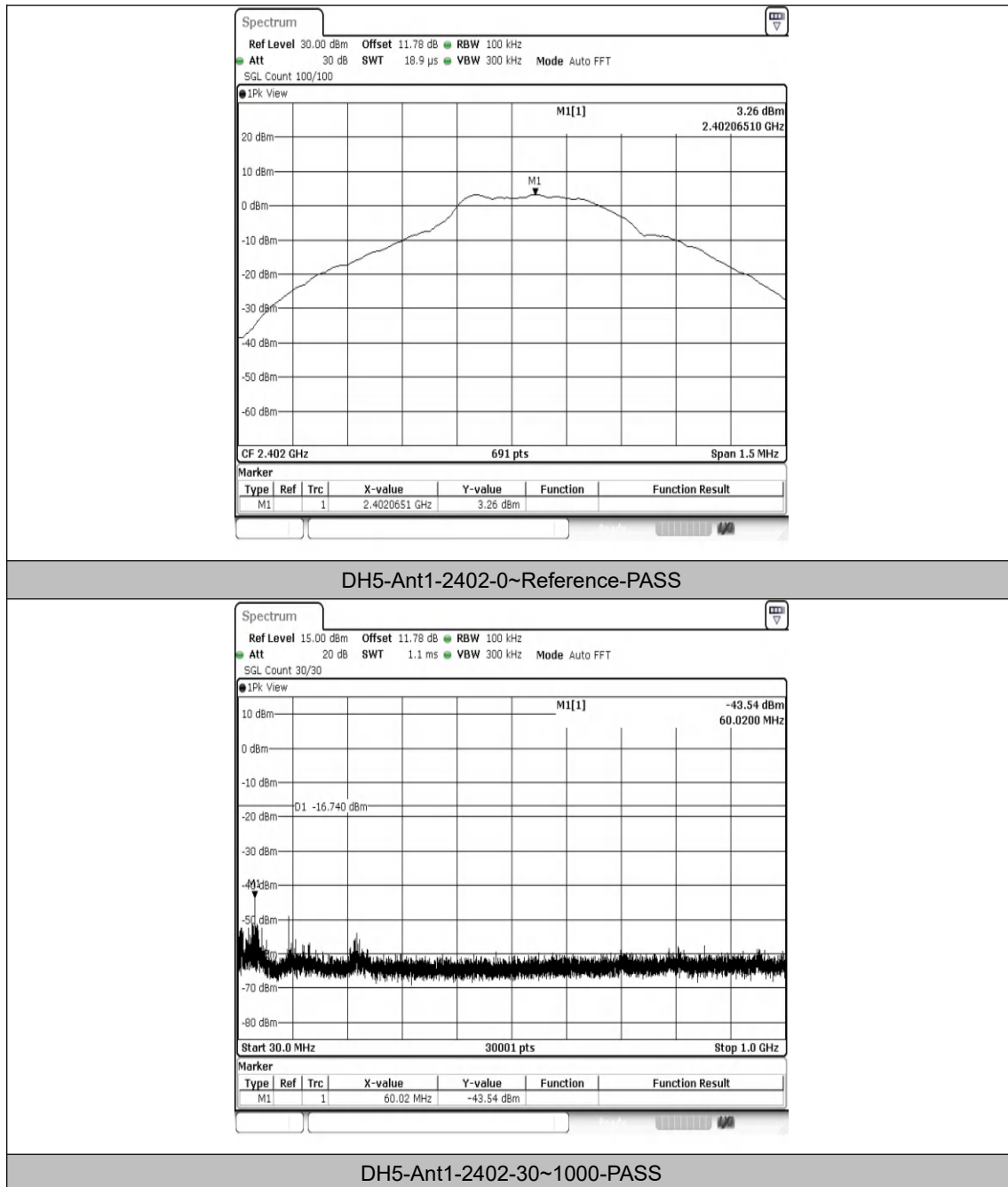
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.26	3.26	---	PASS
DH5	Ant1	2402	30~1000	3.26	-43.54	≤-16.74	PASS
DH5	Ant1	2402	1000~26500	3.26	-30.57	≤-16.74	PASS
DH5	Ant1	2441	0~Reference	1.67	1.67	---	PASS
DH5	Ant1	2441	30~1000	1.67	-44.1	≤-18.33	PASS
DH5	Ant1	2441	1000~26500	1.67	-33.59	≤-18.33	PASS
DH5	Ant1	2480	0~Reference	1.10	1.10	---	PASS
DH5	Ant1	2480	30~1000	1.10	-44.24	≤-18.9	PASS
DH5	Ant1	2480	1000~26500	1.10	-35.91	≤-18.9	PASS
2DH5	Ant1	2402	0~Reference	0.79	0.79	---	PASS
2DH5	Ant1	2402	30~1000	0.79	-44.35	≤-19.21	PASS
2DH5	Ant1	2402	1000~26500	0.79	-30.31	≤-19.21	PASS
2DH5	Ant1	2441	0~Reference	1.75	1.75	---	PASS
2DH5	Ant1	2441	30~1000	1.75	-43.75	≤-18.25	PASS
2DH5	Ant1	2441	1000~26500	1.75	-35.3	≤-18.25	PASS
2DH5	Ant1	2480	0~Reference	1.28	1.28	---	PASS
2DH5	Ant1	2480	30~1000	1.28	-43.84	≤-18.72	PASS
2DH5	Ant1	2480	1000~26500	1.28	-37.02	≤-18.72	PASS
3DH5	Ant1	2402	0~Reference	3.09	3.09	---	PASS
3DH5	Ant1	2402	30~1000	3.09	-43.58	≤-16.91	PASS
3DH5	Ant1	2402	1000~26500	3.09	-29.69	≤-16.91	PASS
3DH5	Ant1	2441	0~Reference	1.52	1.52	---	PASS
3DH5	Ant1	2441	30~1000	1.52	-43.85	≤-18.48	PASS
3DH5	Ant1	2441	1000~26500	1.52	-34.31	≤-18.48	PASS
3DH5	Ant1	2480	0~Reference	1.46	1.46	---	PASS
3DH5	Ant1	2480	30~1000	1.46	-43.83	≤-18.54	PASS
3DH5	Ant1	2480	1000~26500	1.46	-36.13	≤-18.54	PASS



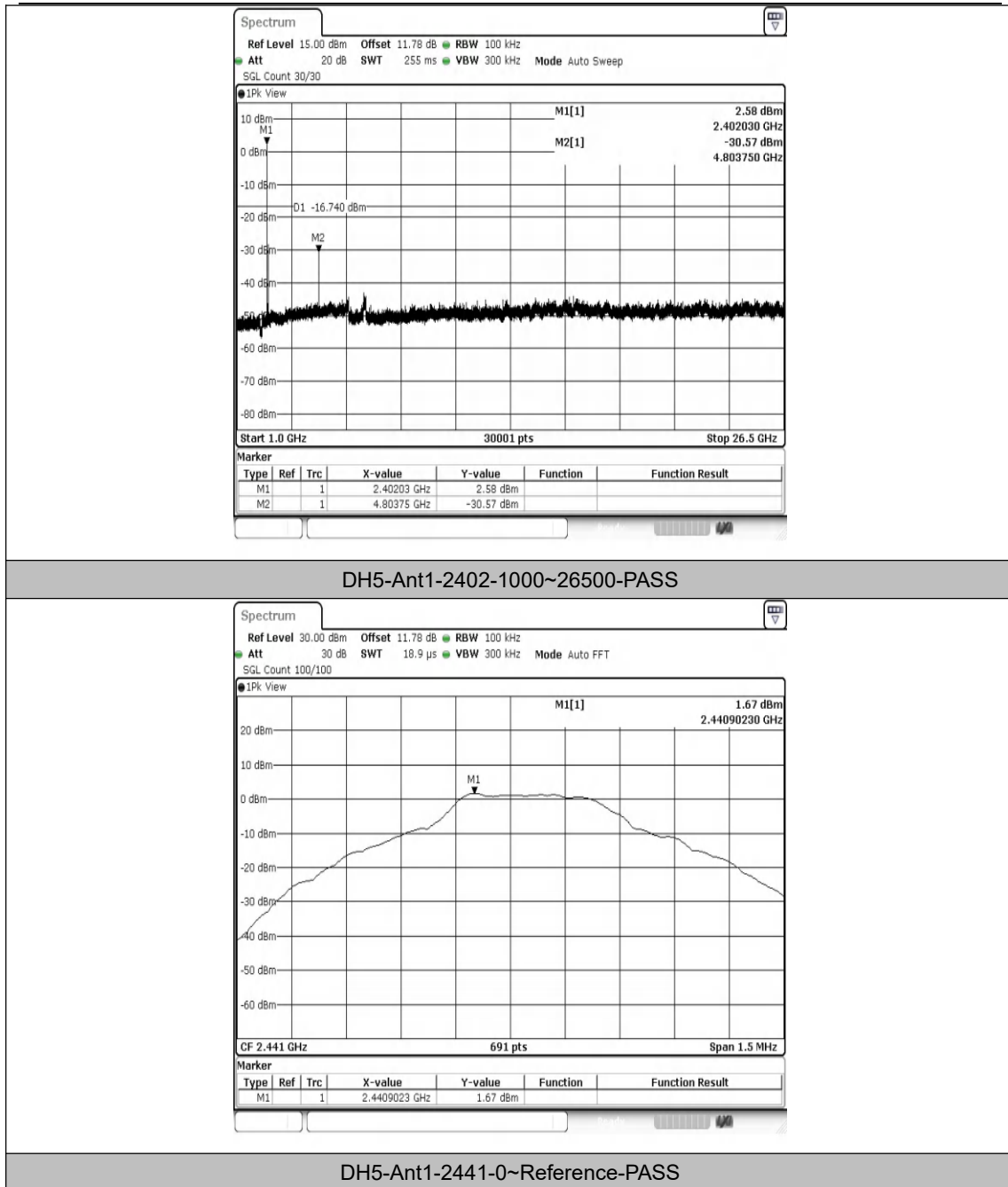
Test Graphs

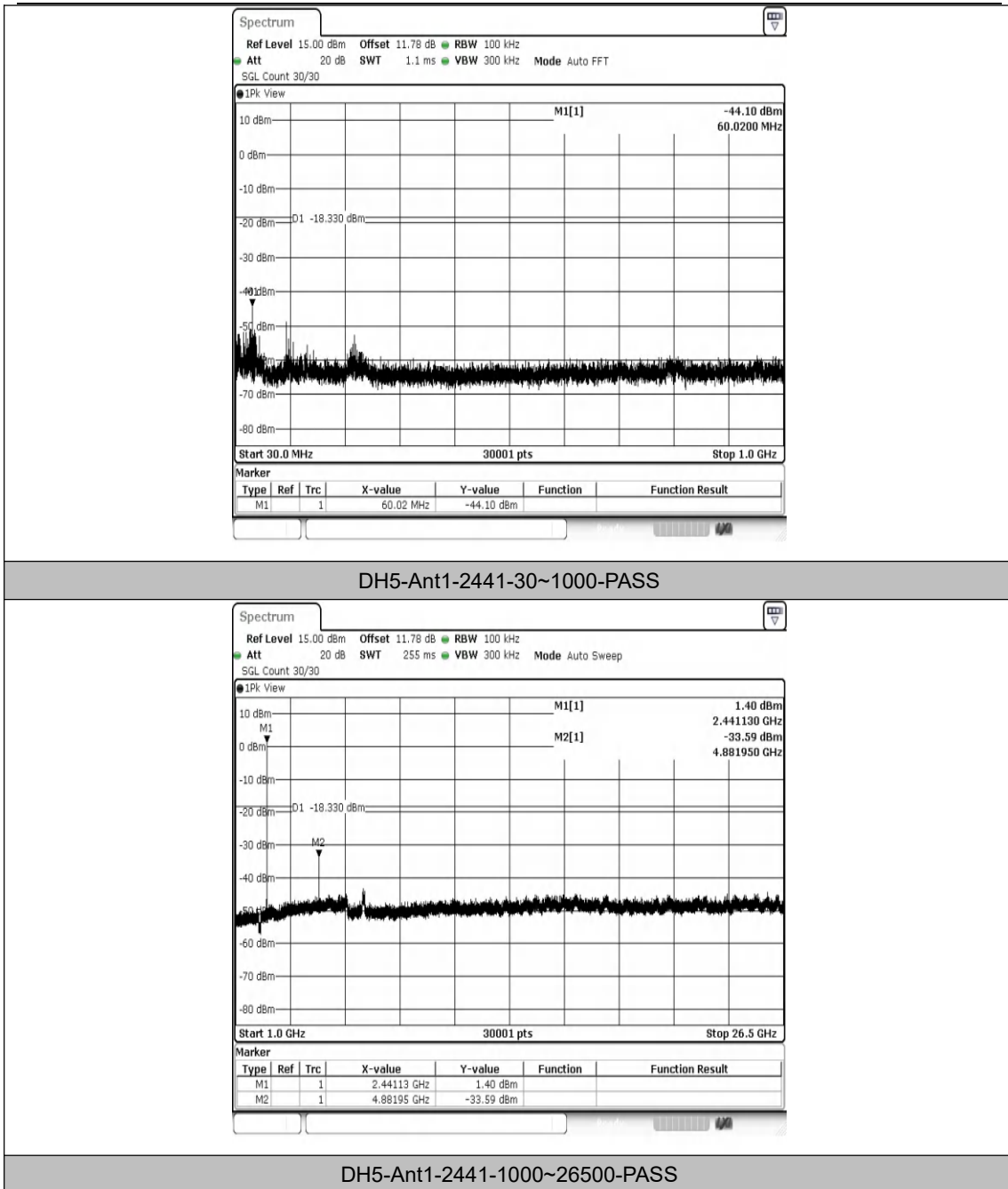


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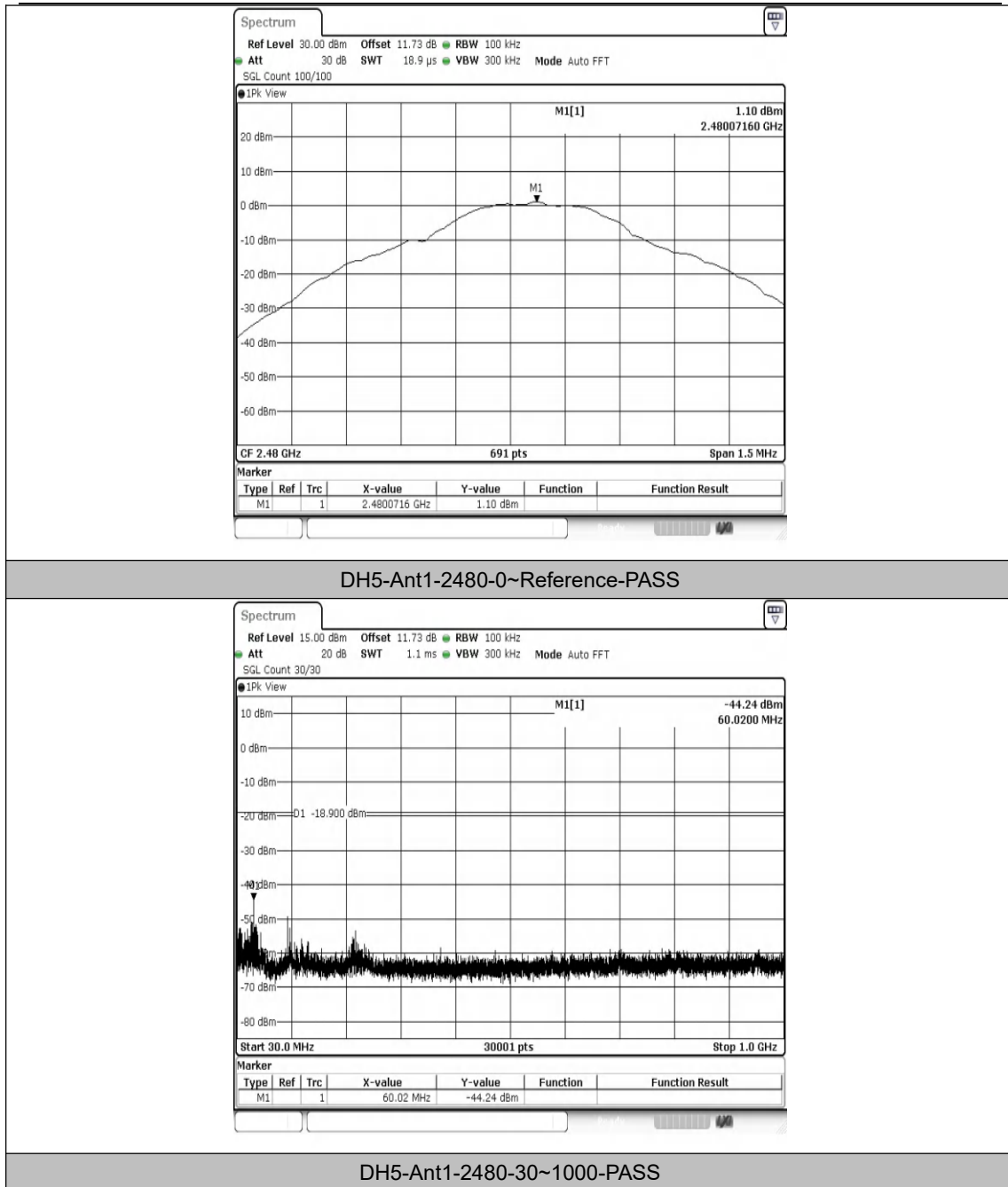


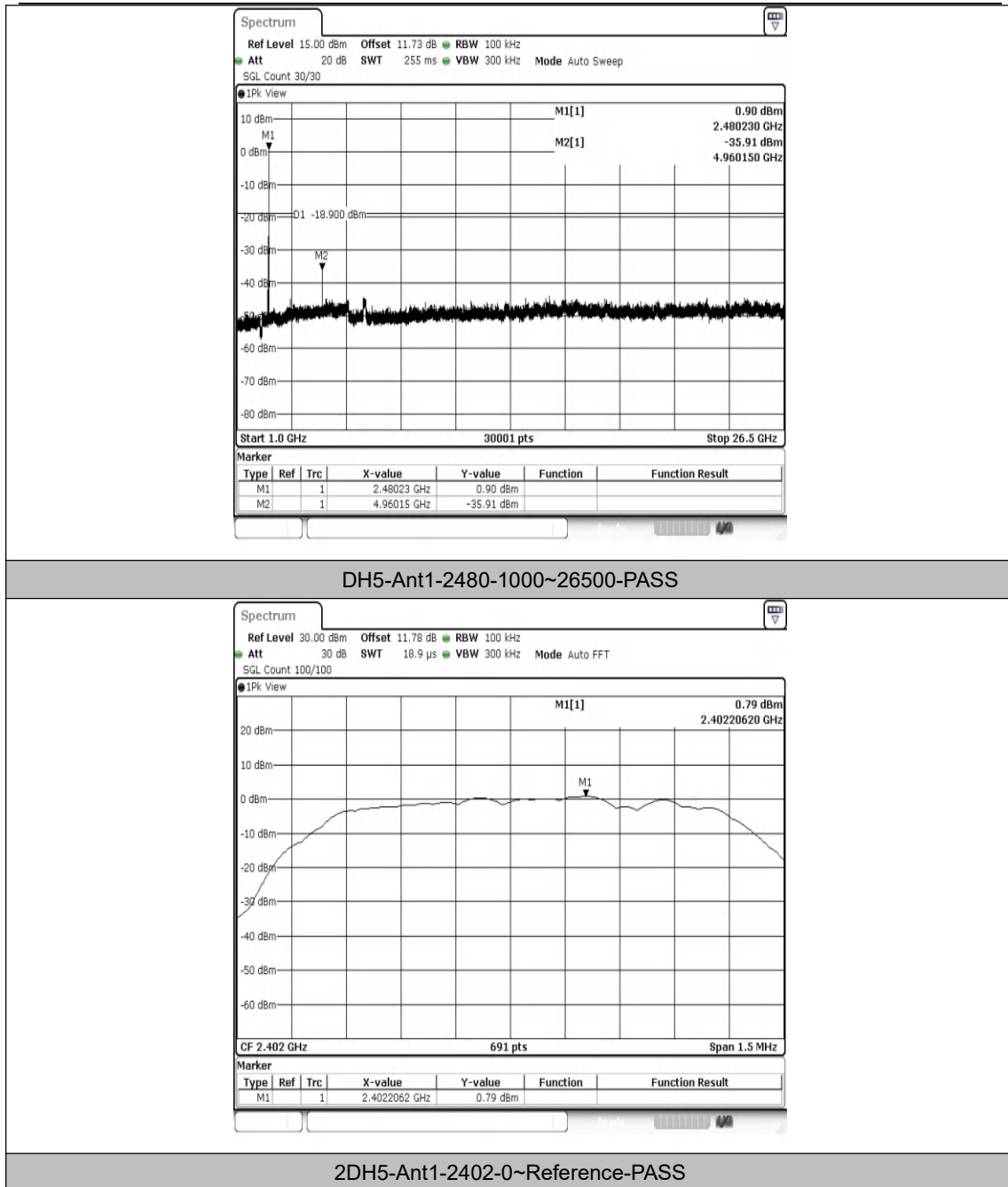


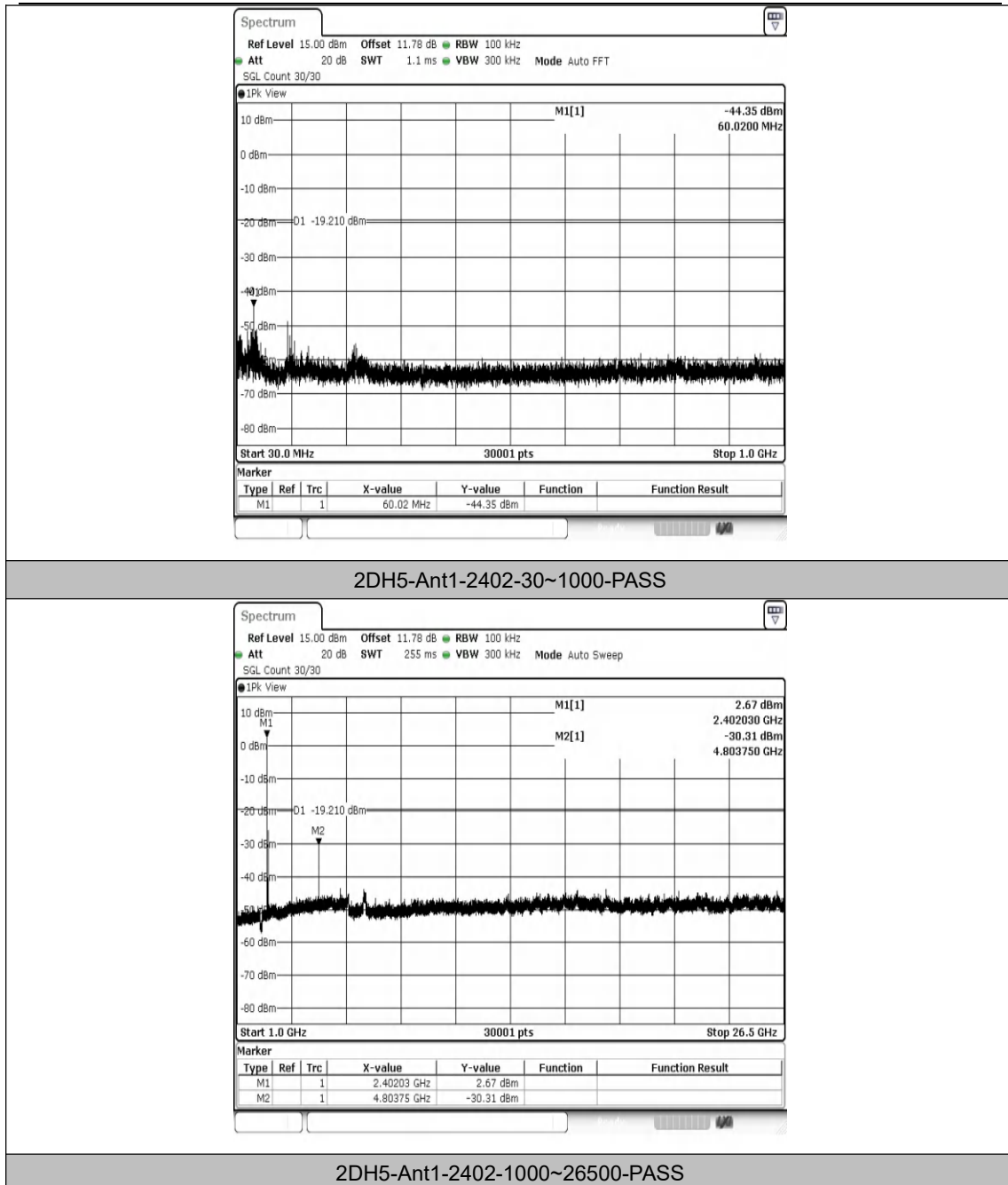
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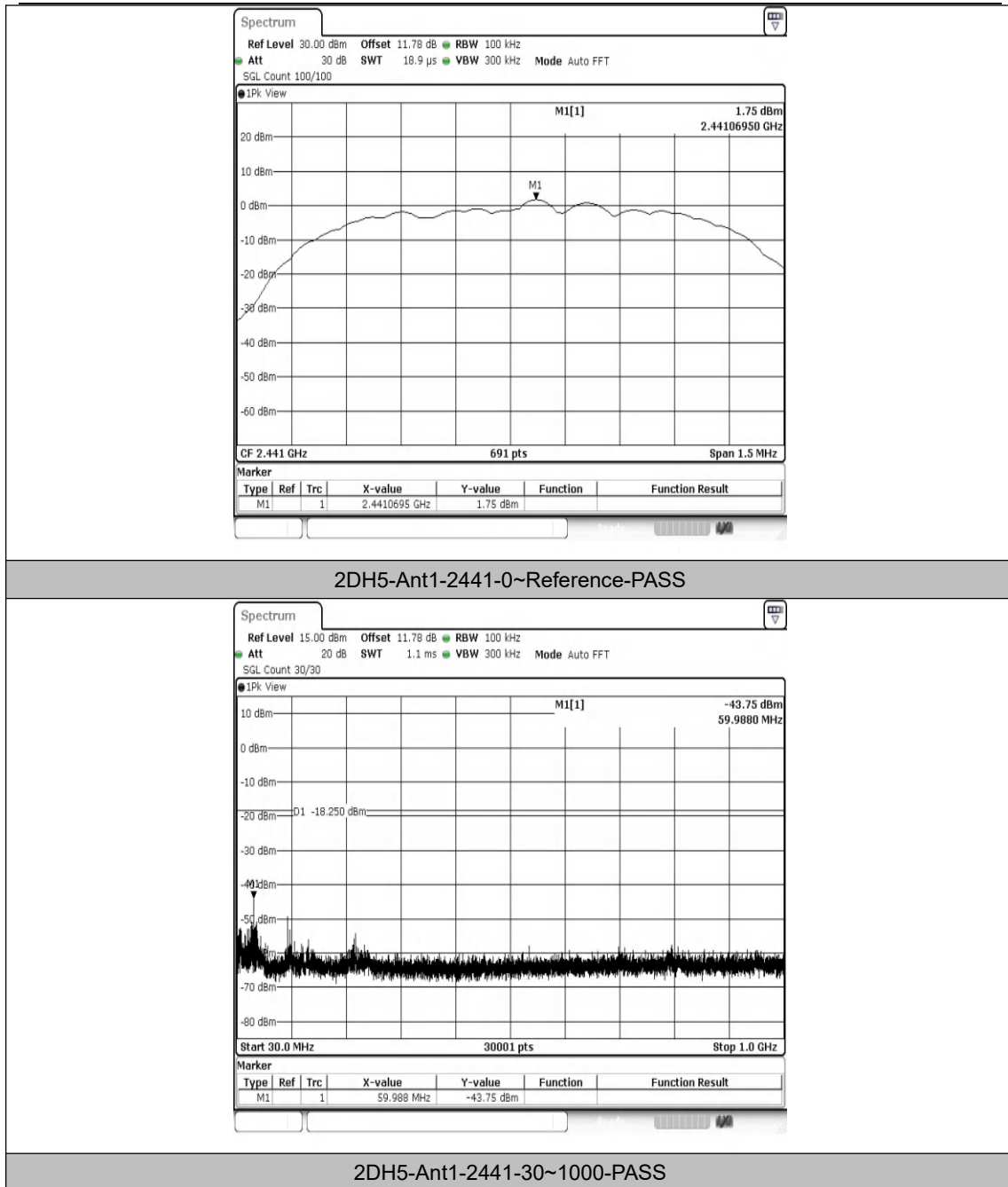


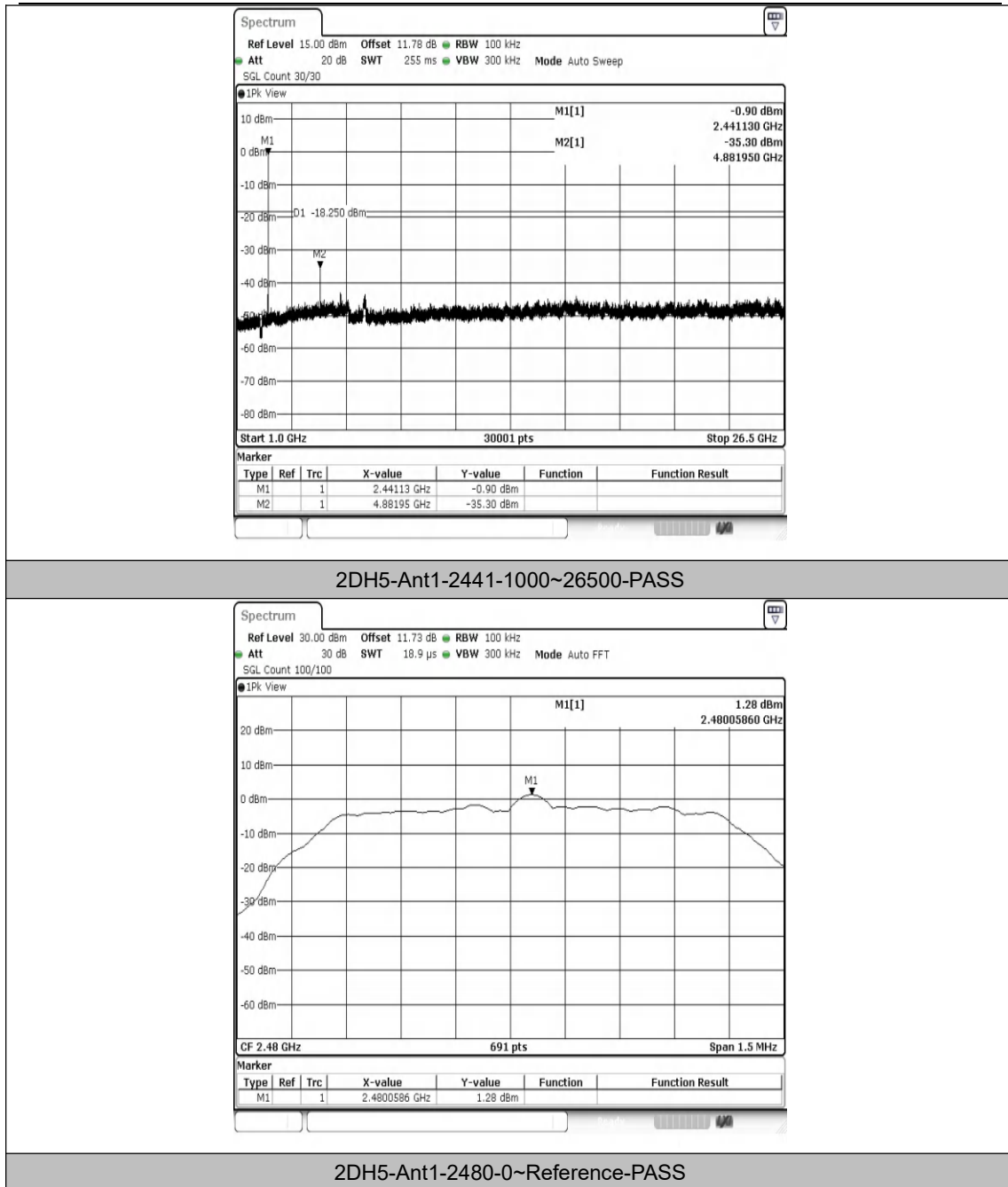


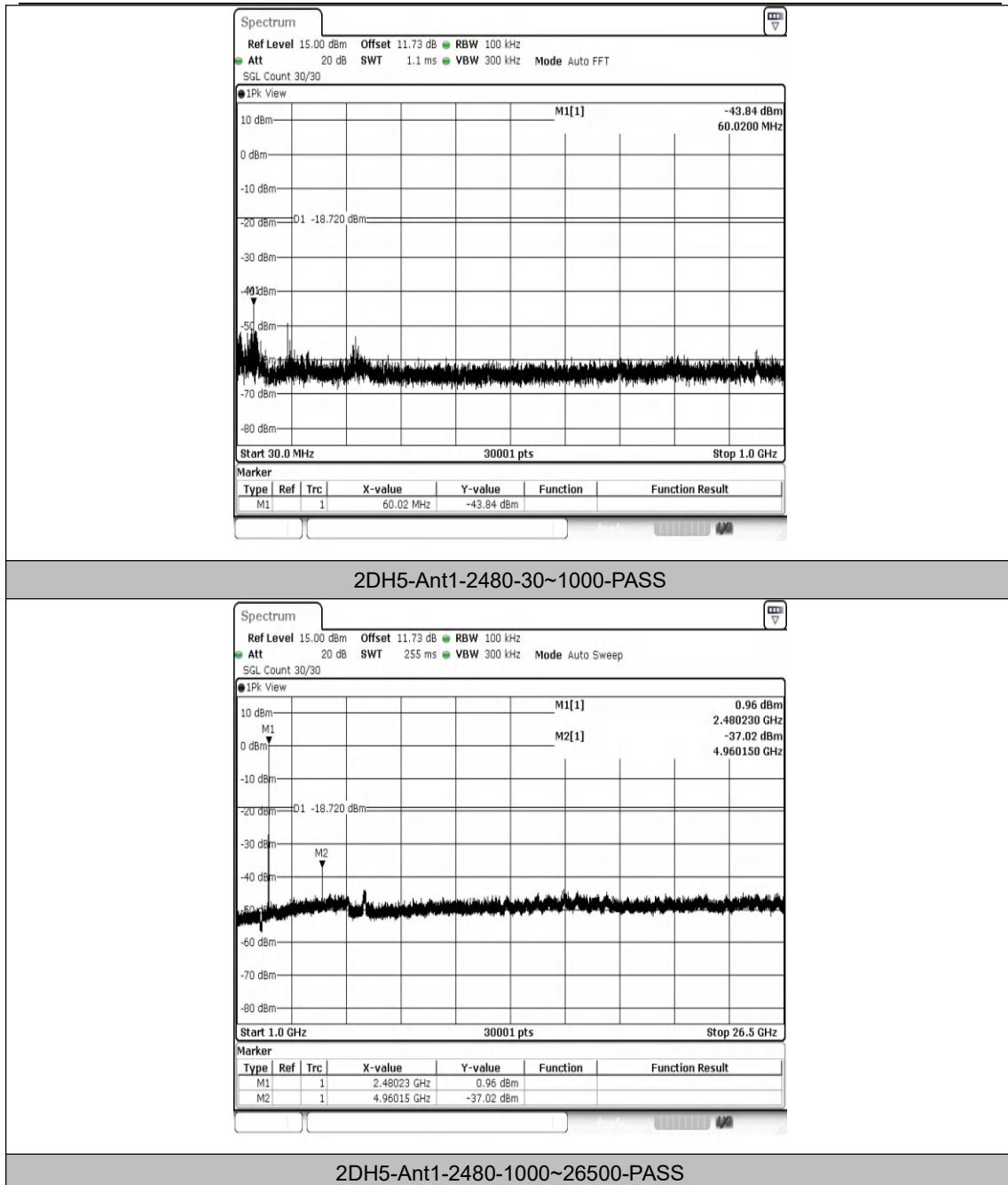
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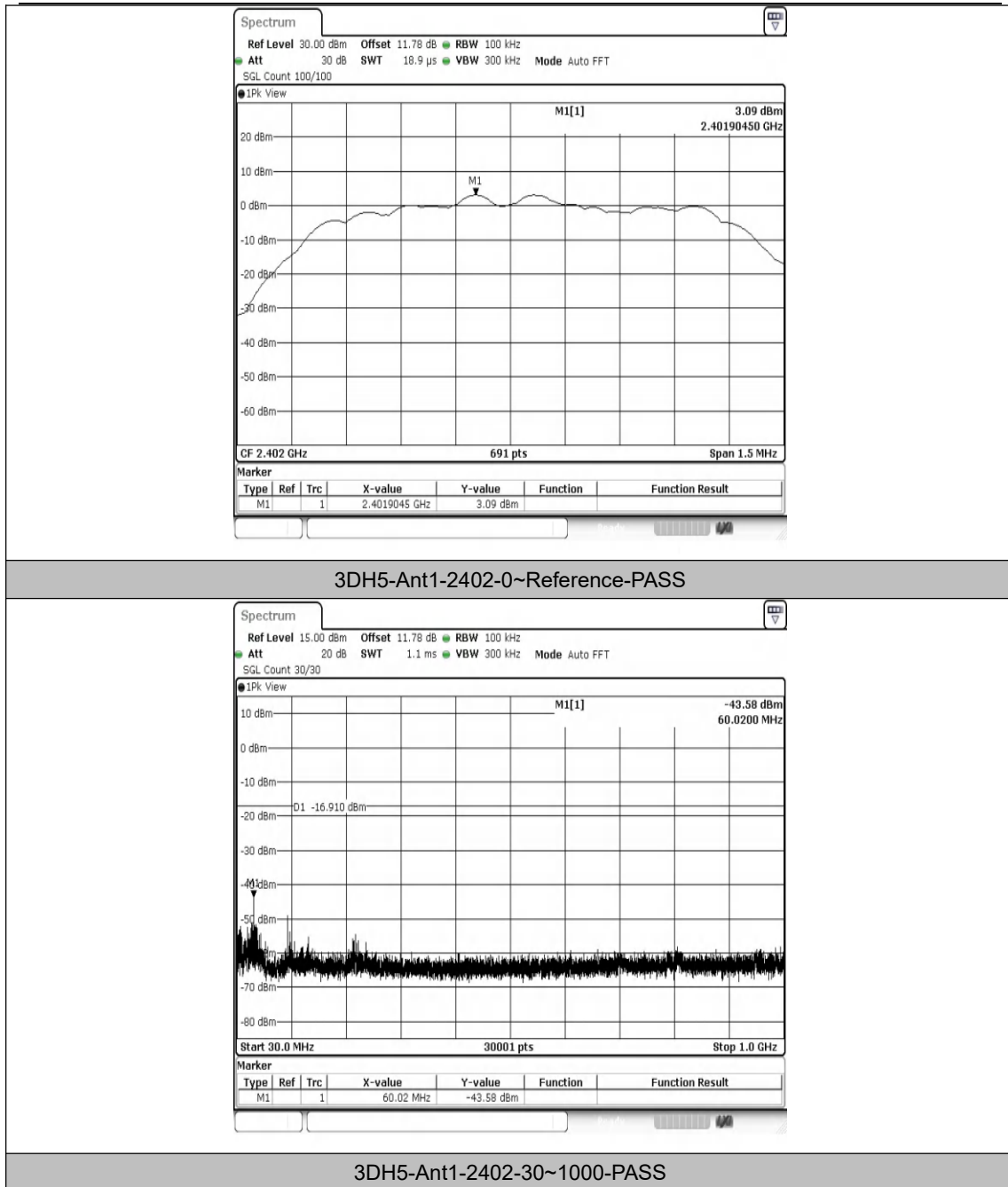


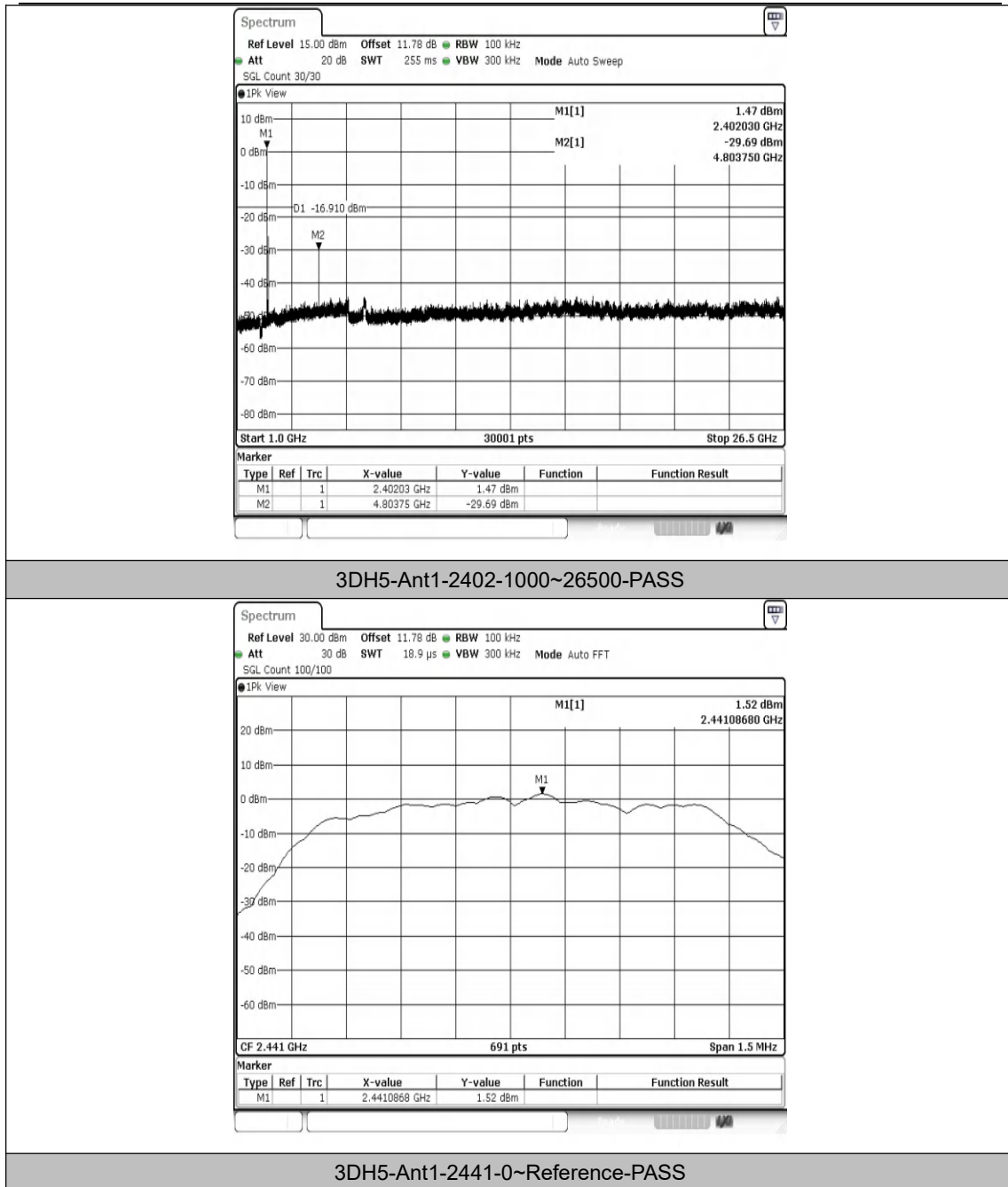


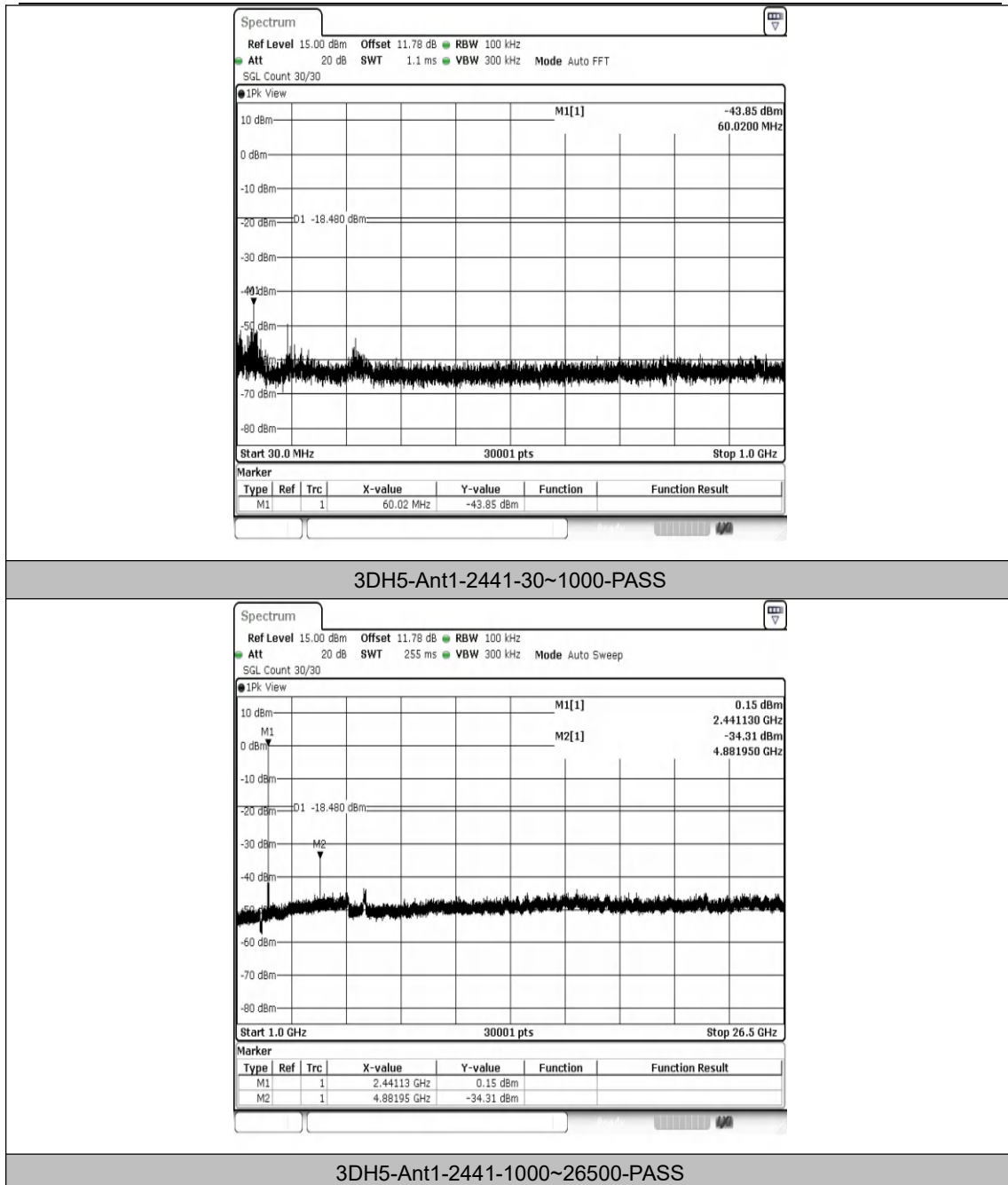
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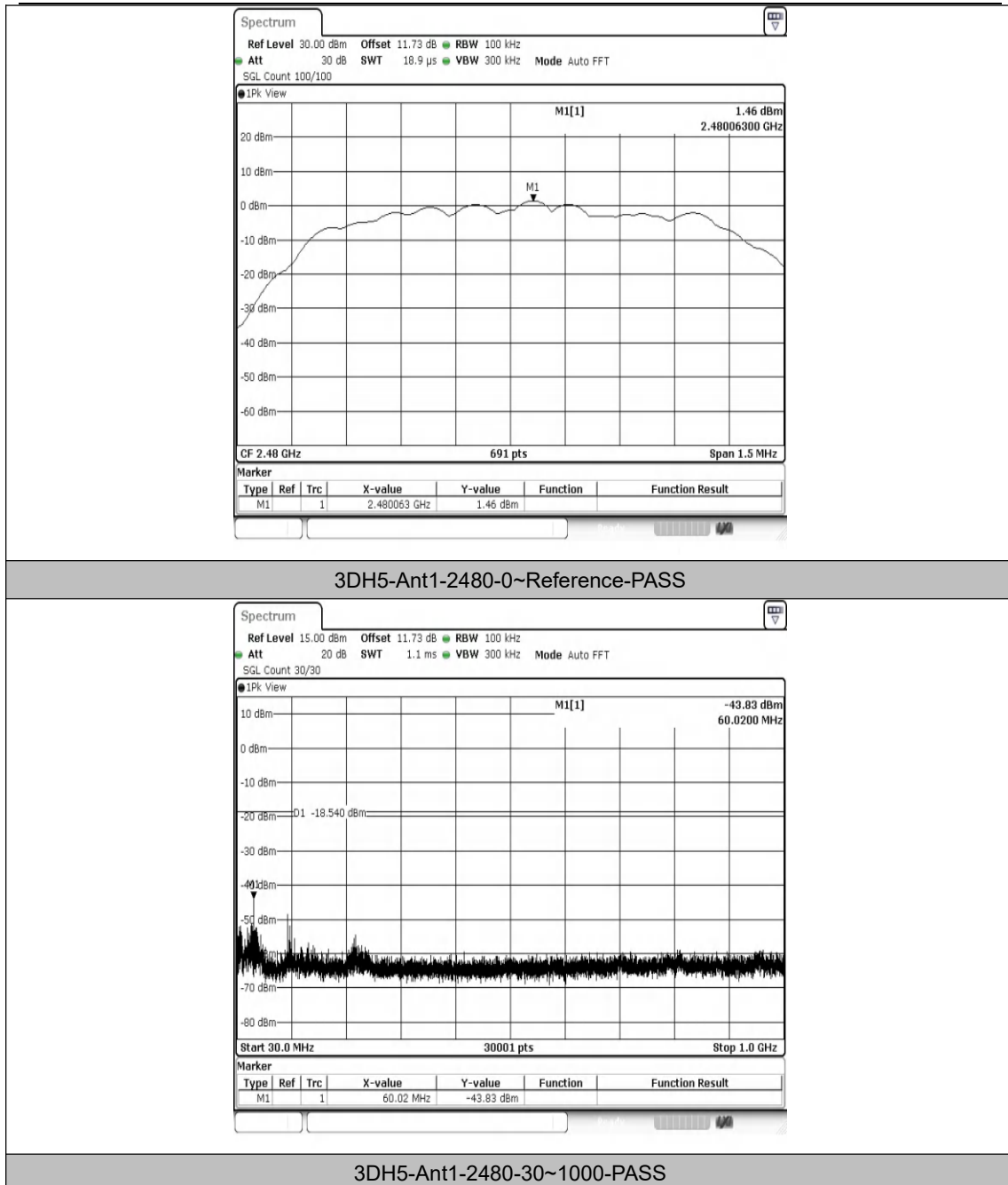


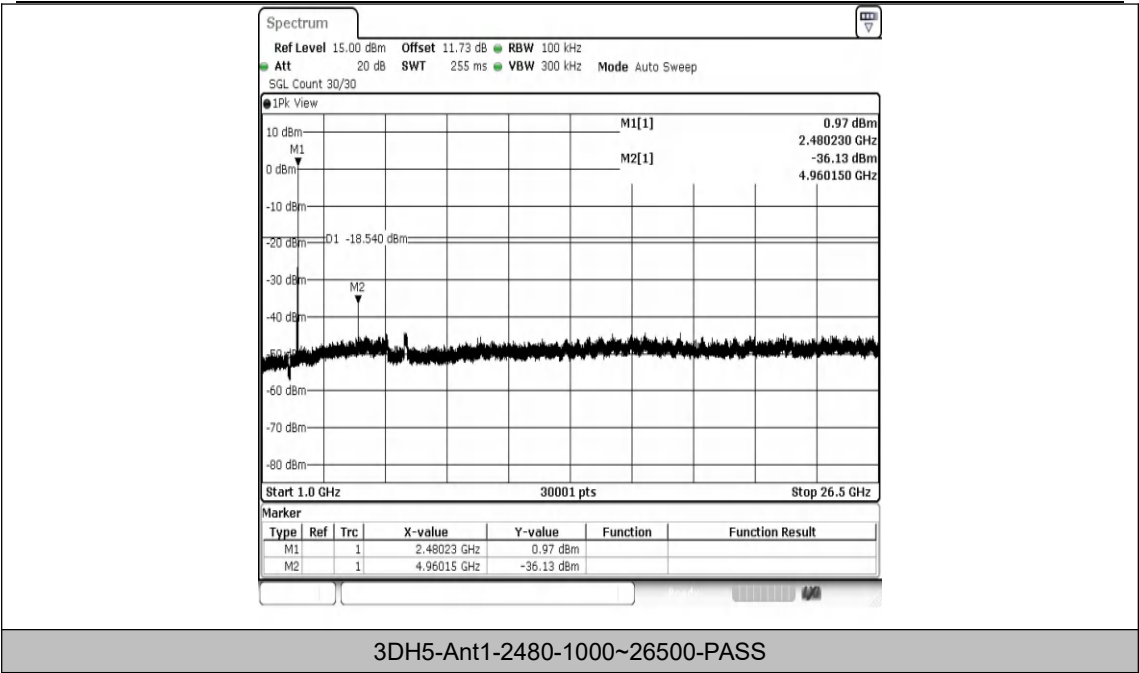


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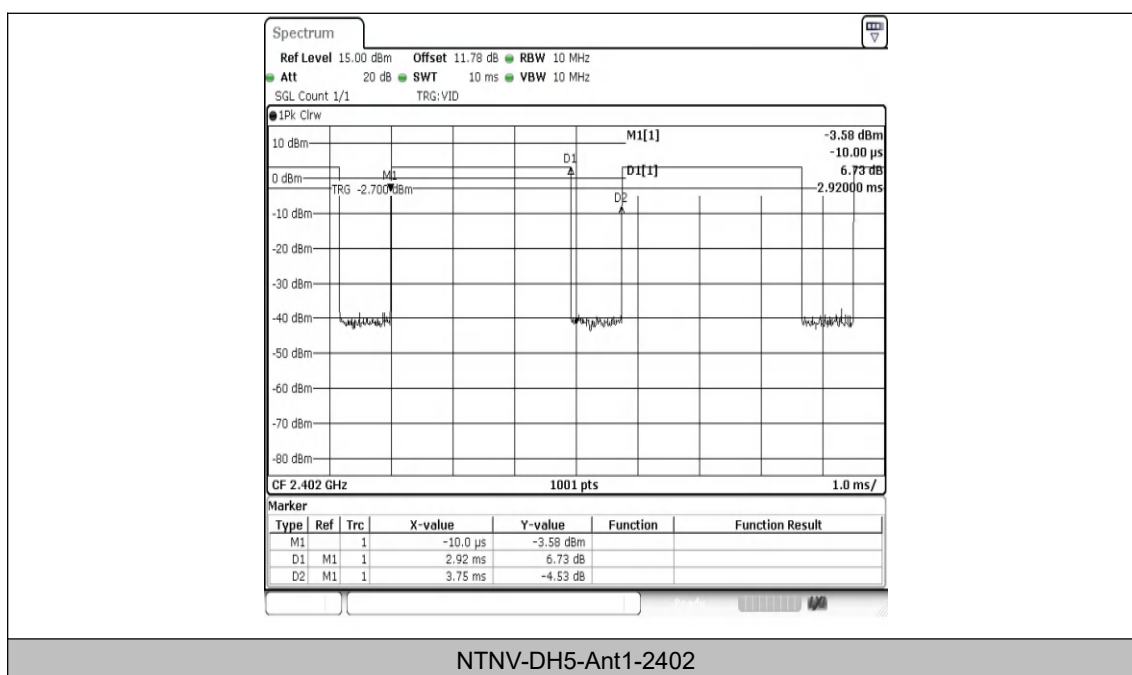
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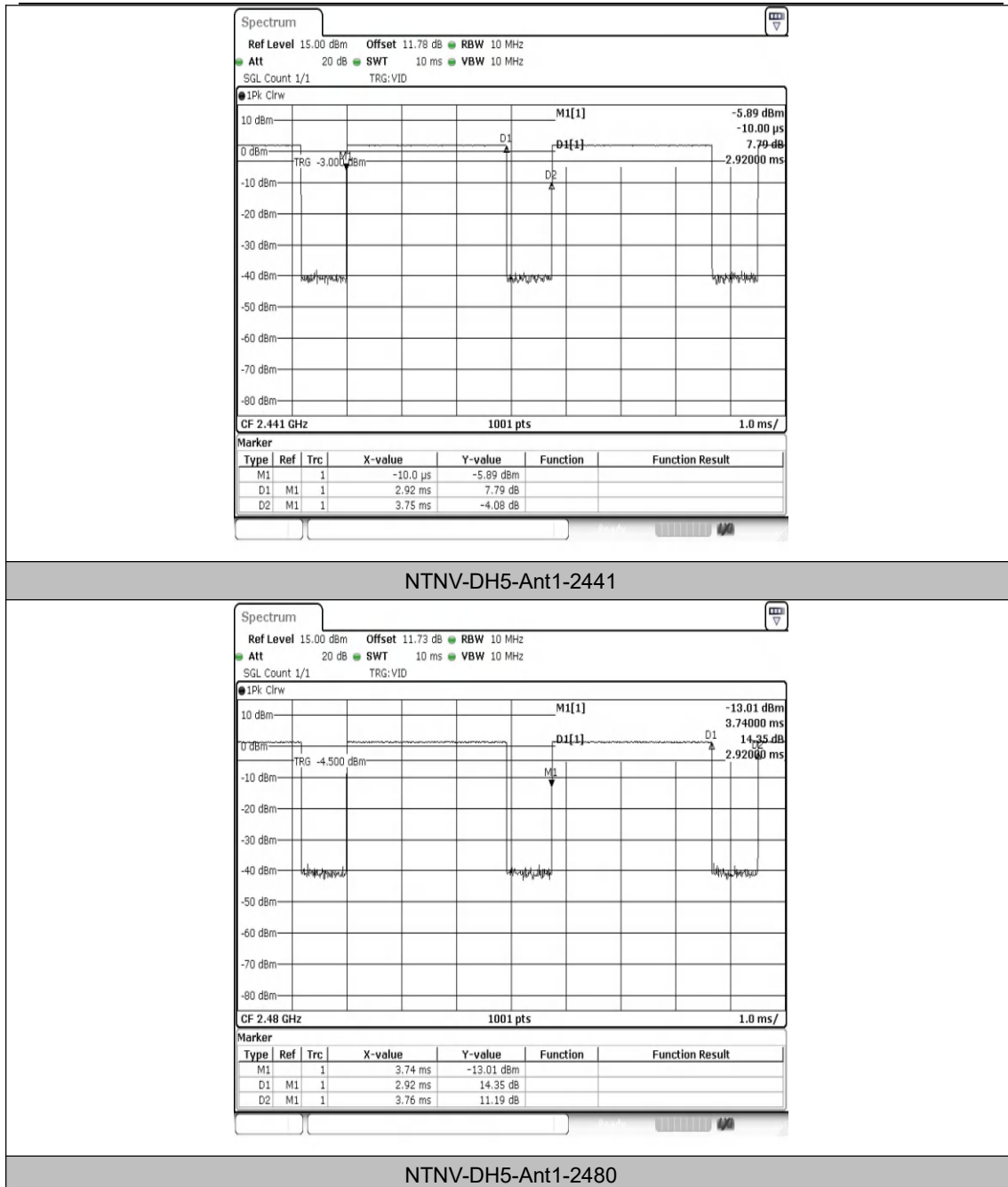
Appendix I: Duty Cycle

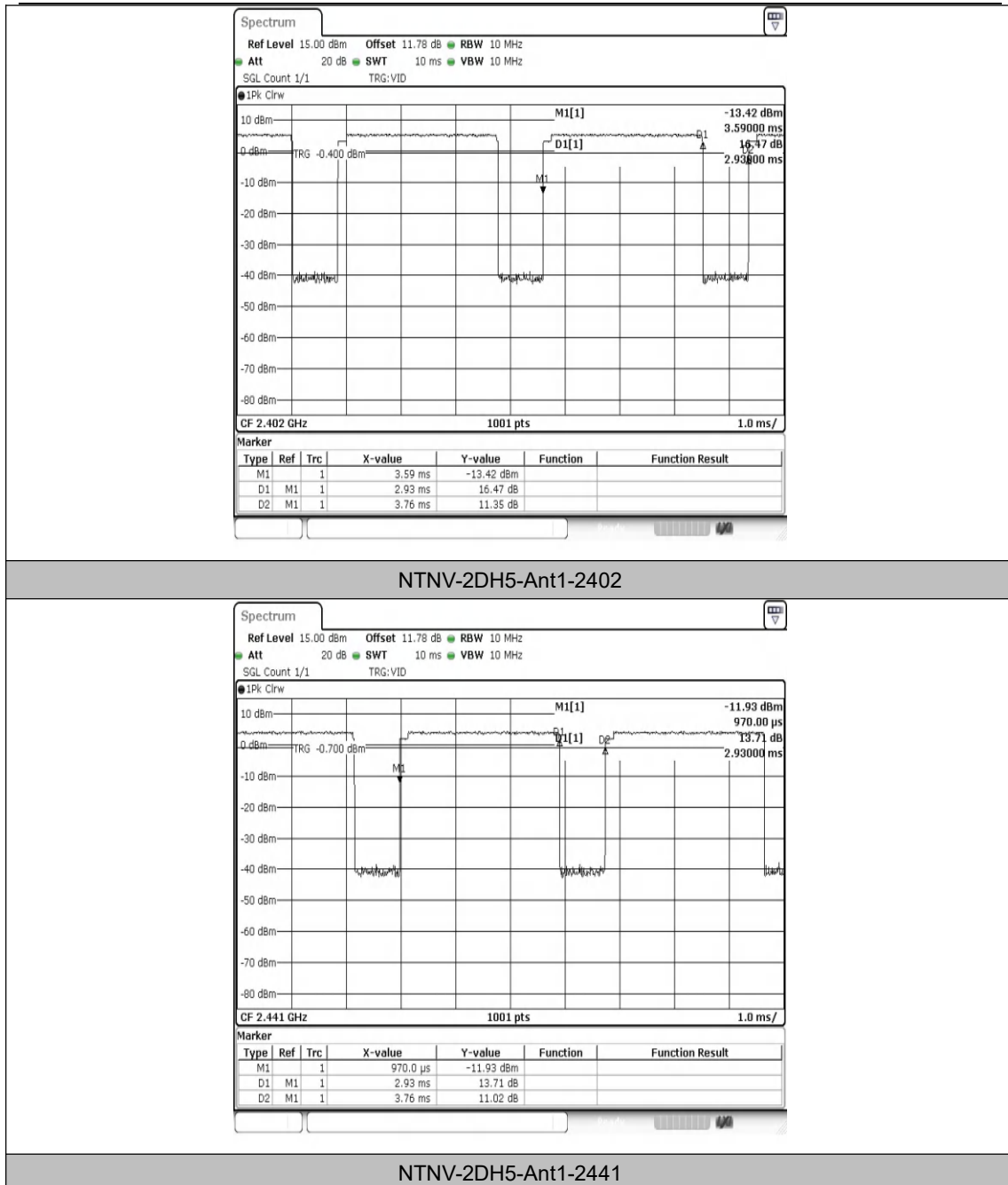
Test Result

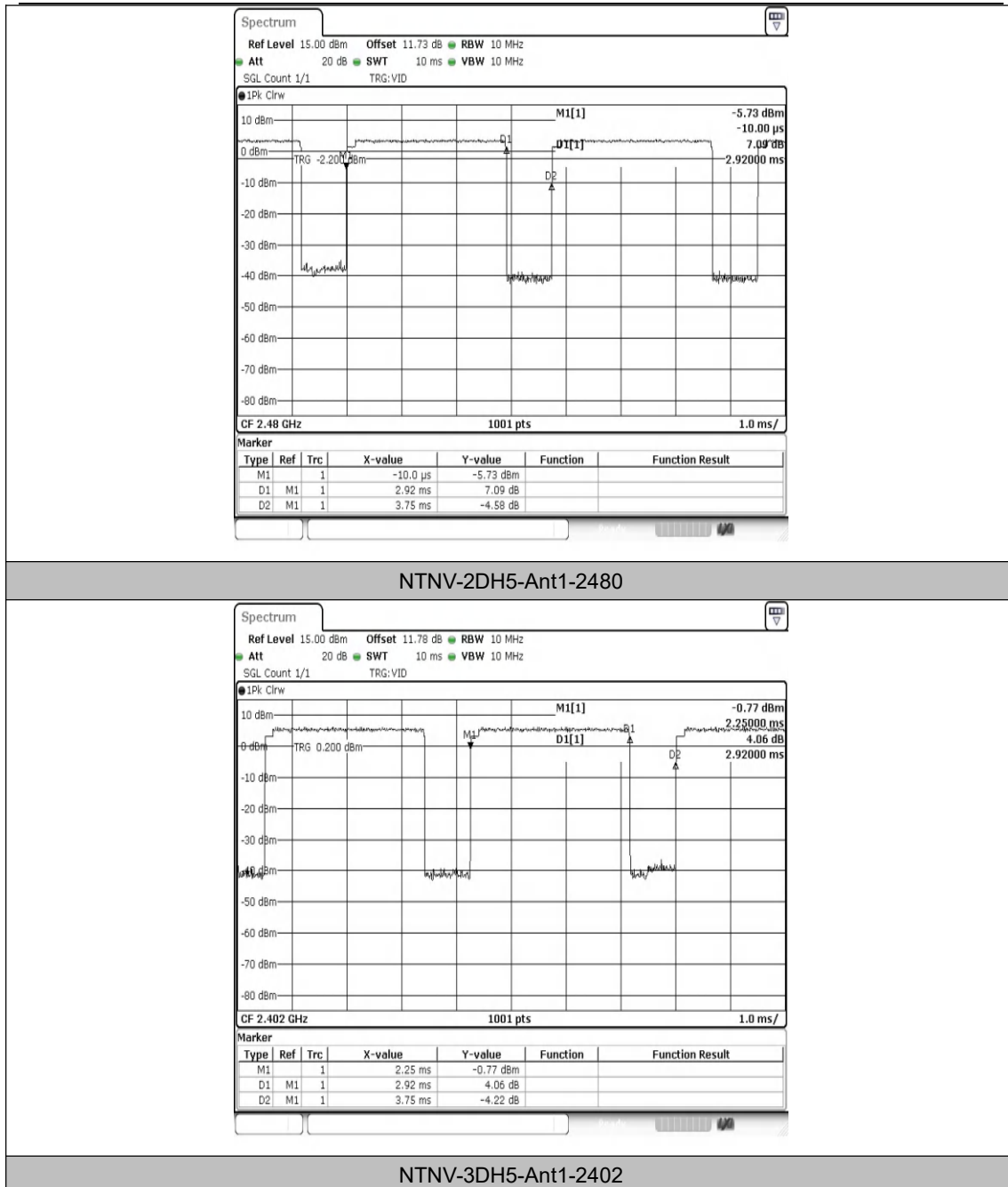
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.92	3.75	77.87	1.09
DH5	Ant1	2441	2.92	3.75	77.87	1.09
DH5	Ant1	2480	2.92	3.76	77.66	1.10
2DH5	Ant1	2402	2.93	3.76	77.93	1.08
2DH5	Ant1	2441	2.93	3.76	77.93	1.08
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.92	3.75	77.87	1.09

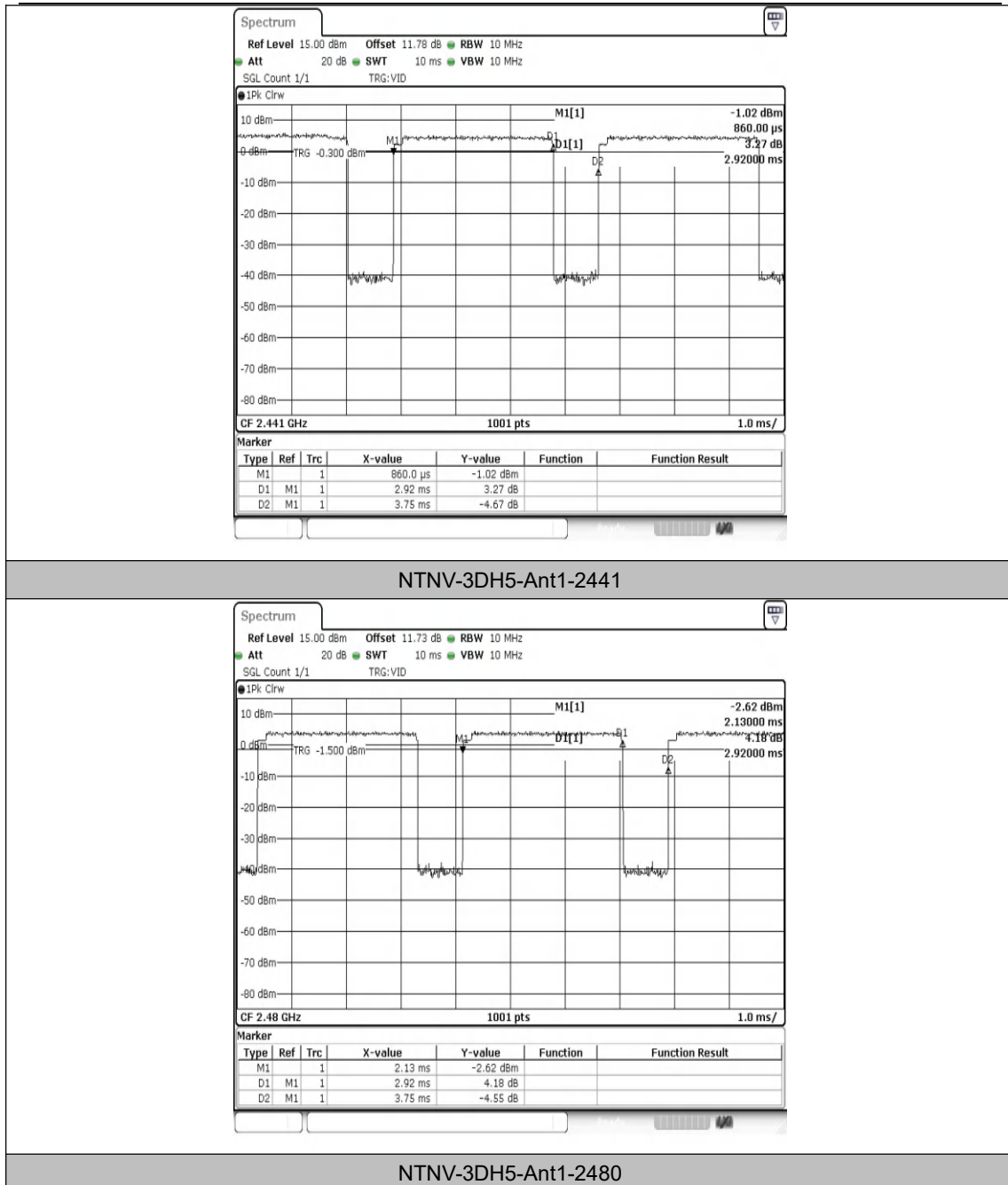
Test Graphs











---End---