

Appendix Test Data

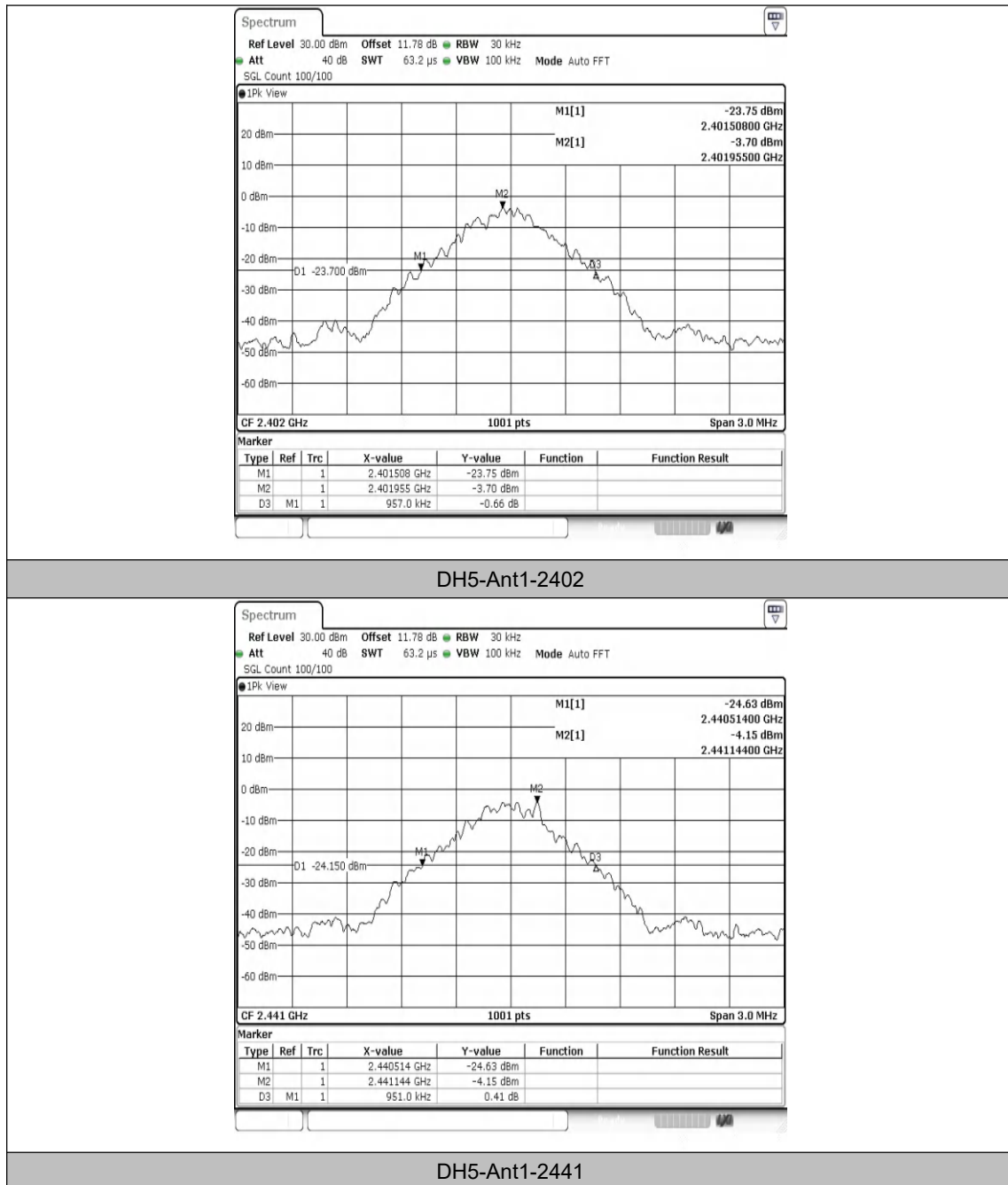
Report No.:	1812C40183312501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.18	Finish Test Date:	2024.12.27
Test Engineer:	<i>Foker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.2°C	Relative Humidity:	56%
Pressure:	101kPa		

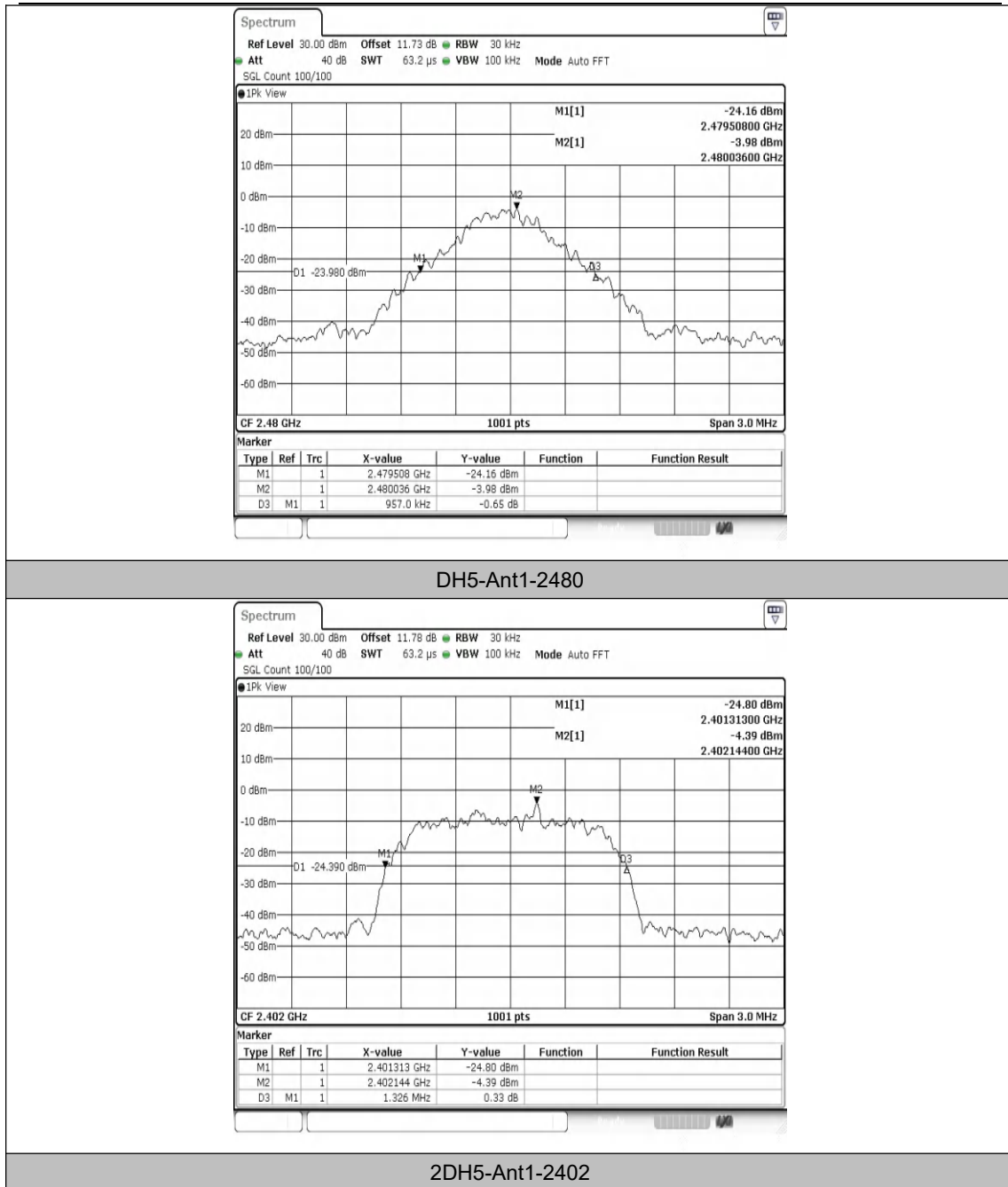
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.51	2402.47	---	---
DH5	Ant1	2441	0.95	2440.51	2441.47	---	---
DH5	Ant1	2480	0.96	2479.51	2480.47	---	---
2DH5	Ant1	2402	1.33	2401.31	2402.64	---	---
2DH5	Ant1	2441	1.35	2440.31	2441.66	---	---
2DH5	Ant1	2480	1.35	2479.30	2480.66	---	---
3DH5	Ant1	2402	1.28	2401.33	2402.61	---	---
3DH5	Ant1	2441	1.35	2440.30	2441.65	---	---
3DH5	Ant1	2480	1.29	2479.33	2480.62	---	---

Test Graphs

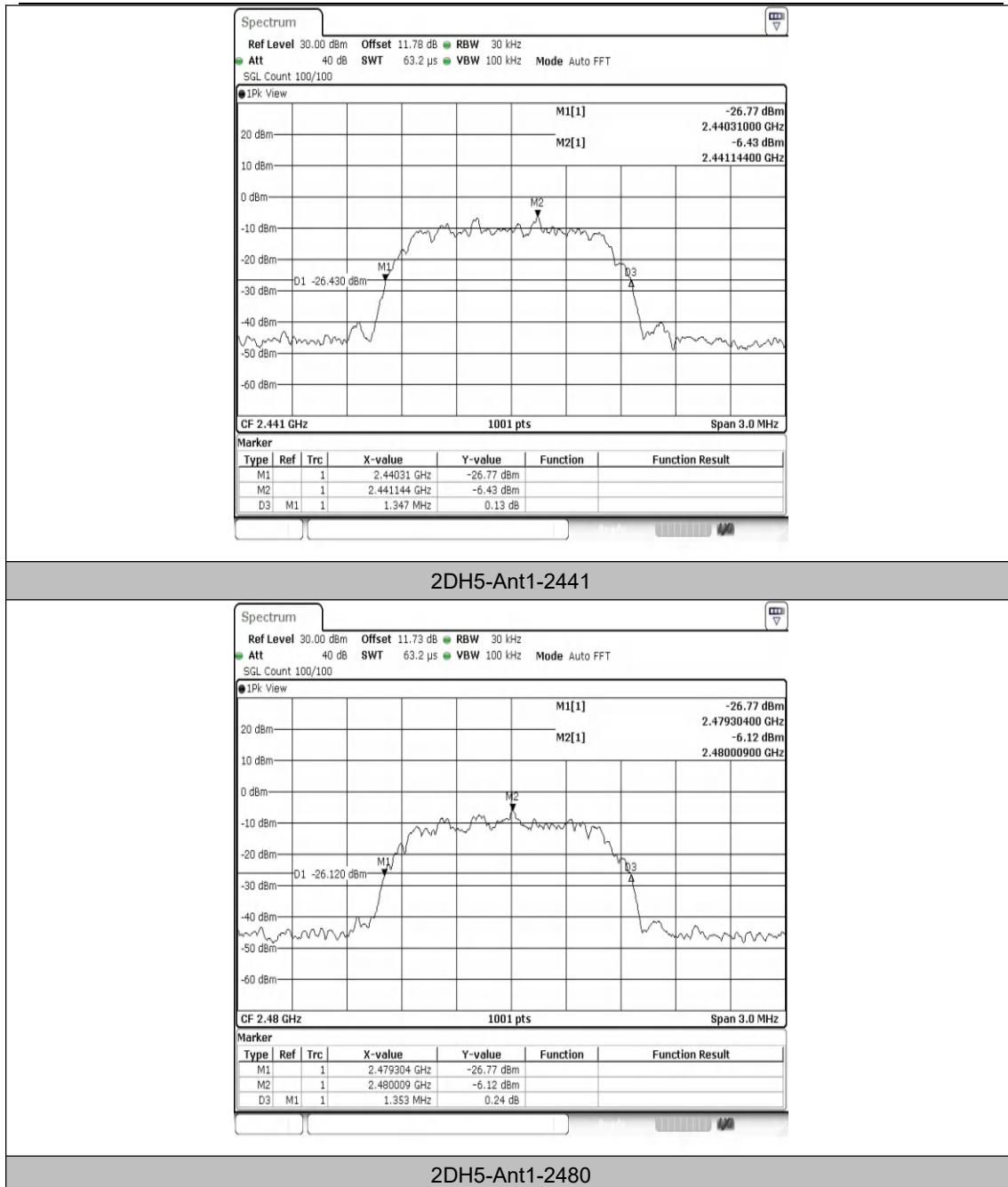


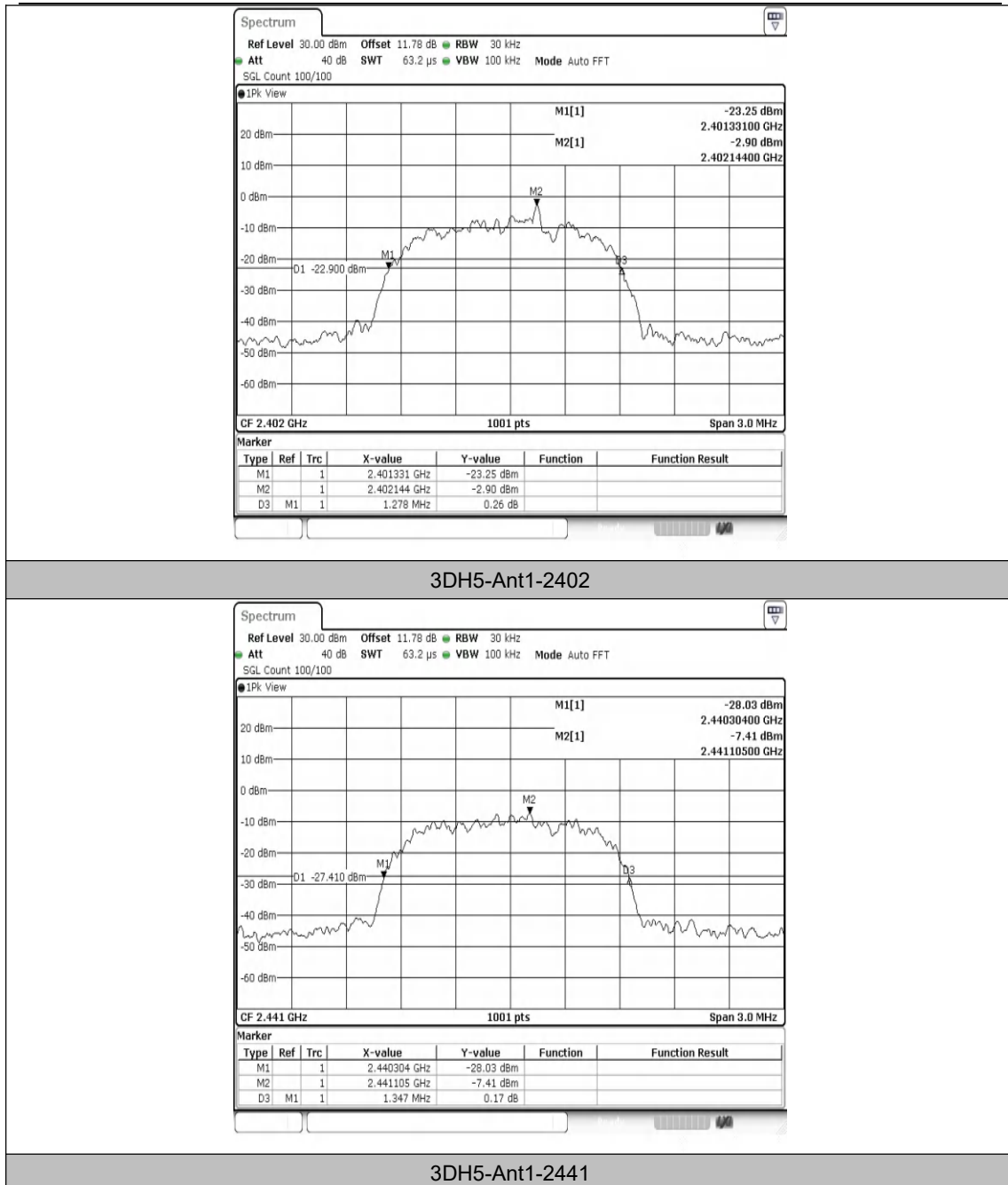


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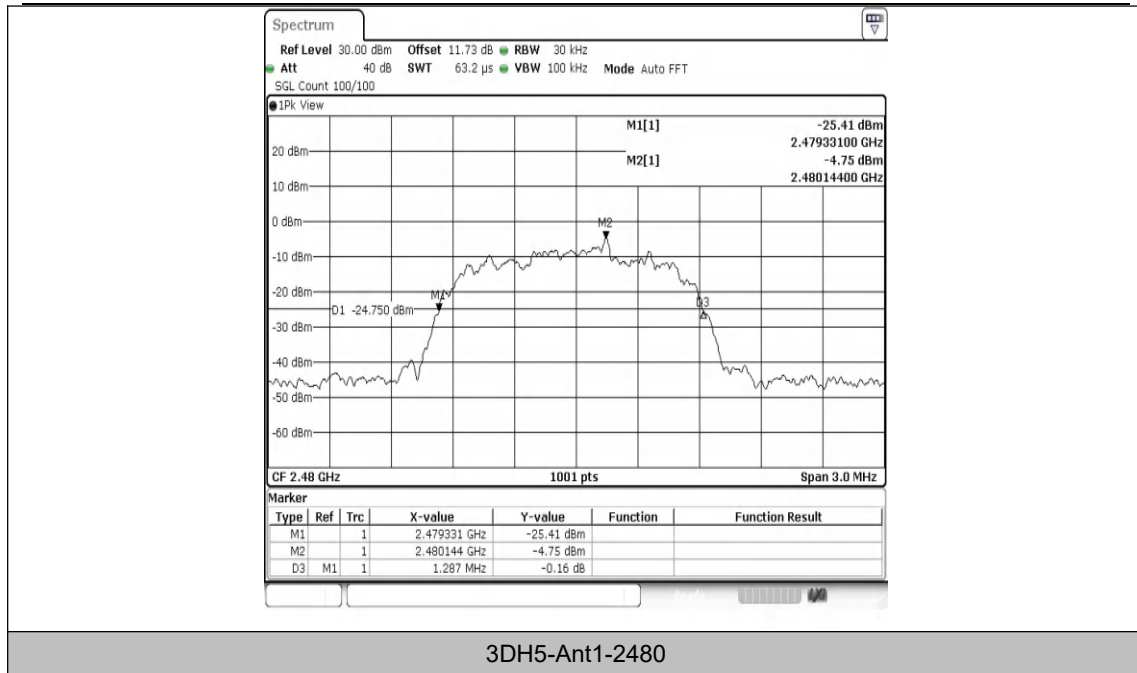




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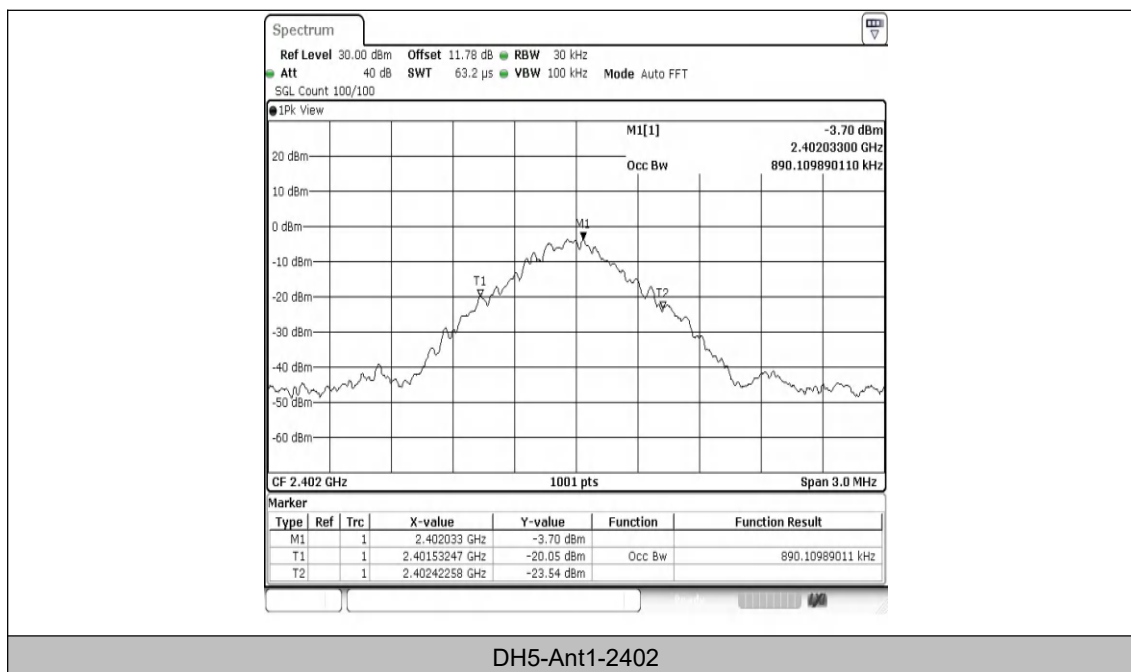
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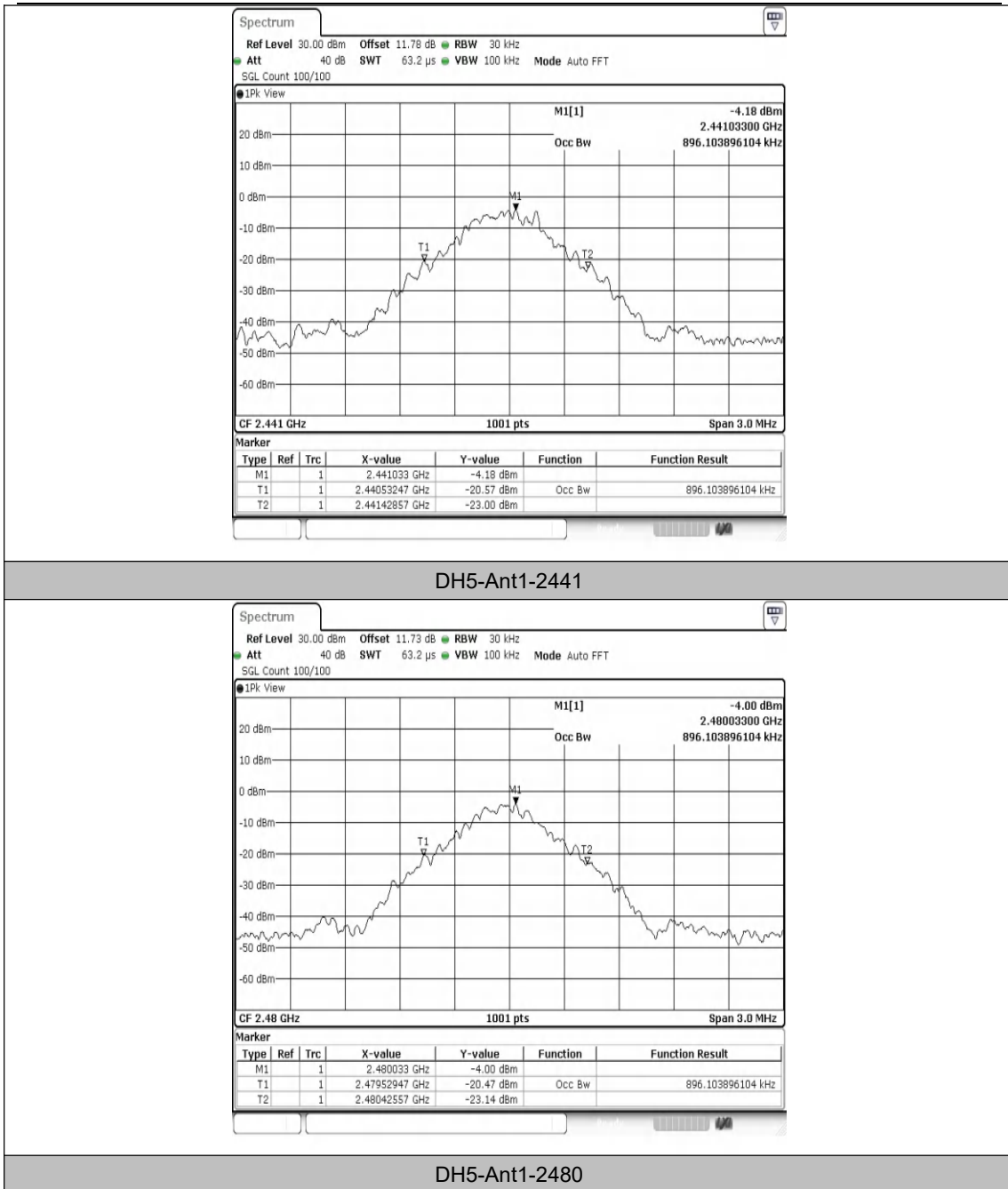
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89	2401.5325	2402.4226	---	---
DH5	Ant1	2441	0.896	2440.5325	2441.4286	---	---
DH5	Ant1	2480	0.896	2479.5295	2480.4256	---	---
2DH5	Ant1	2402	1.208	2401.3766	2402.5844	---	---
2DH5	Ant1	2441	1.196	2440.3856	2441.5814	---	---
2DH5	Ant1	2480	1.208	2479.3736	2480.5814	---	---
3DH5	Ant1	2402	1.199	2401.3736	2402.5724	---	---
3DH5	Ant1	2441	1.187	2440.3916	2441.5784	---	---
3DH5	Ant1	2480	1.208	2479.3706	2480.5784	---	---

Test Graphs

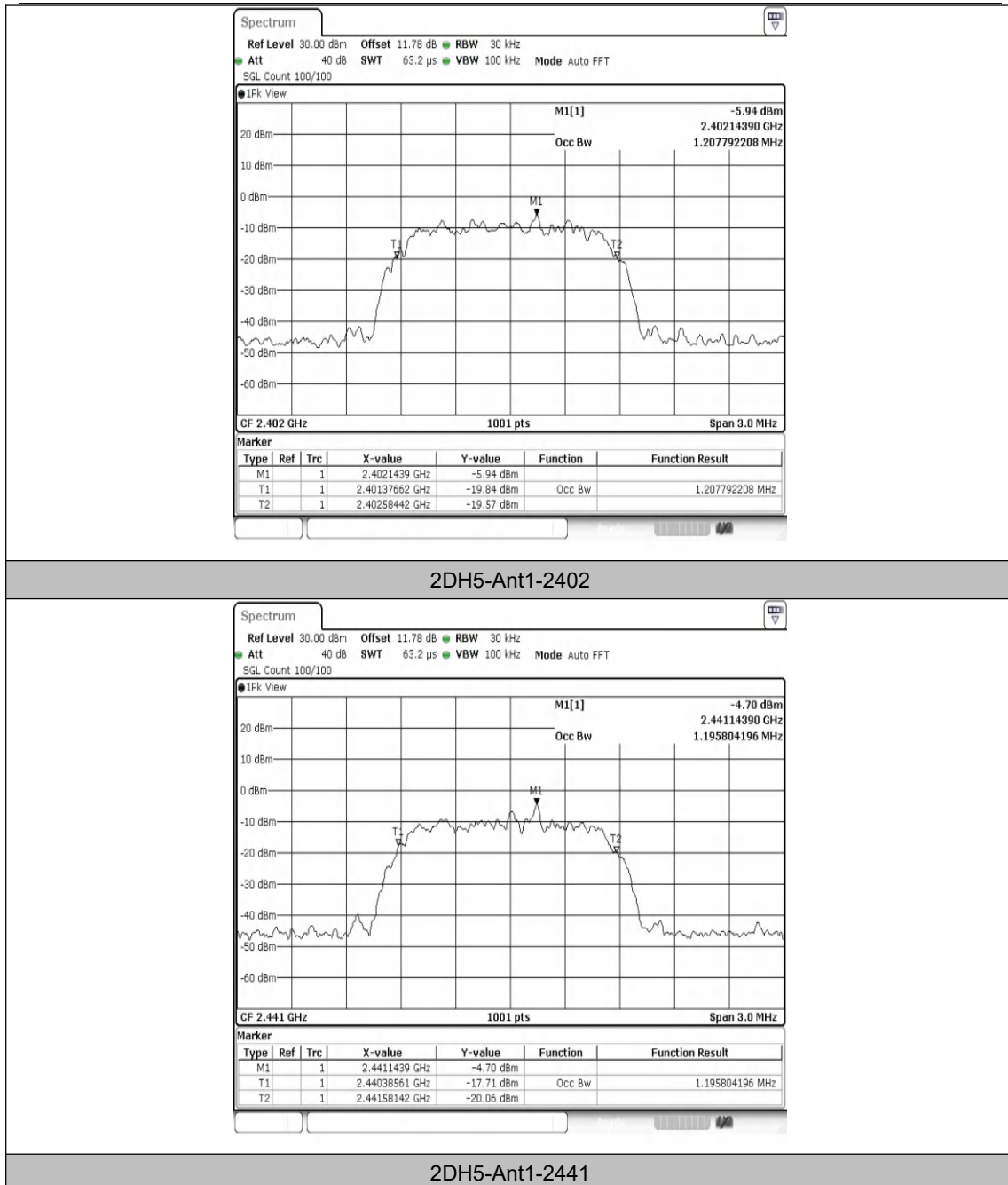


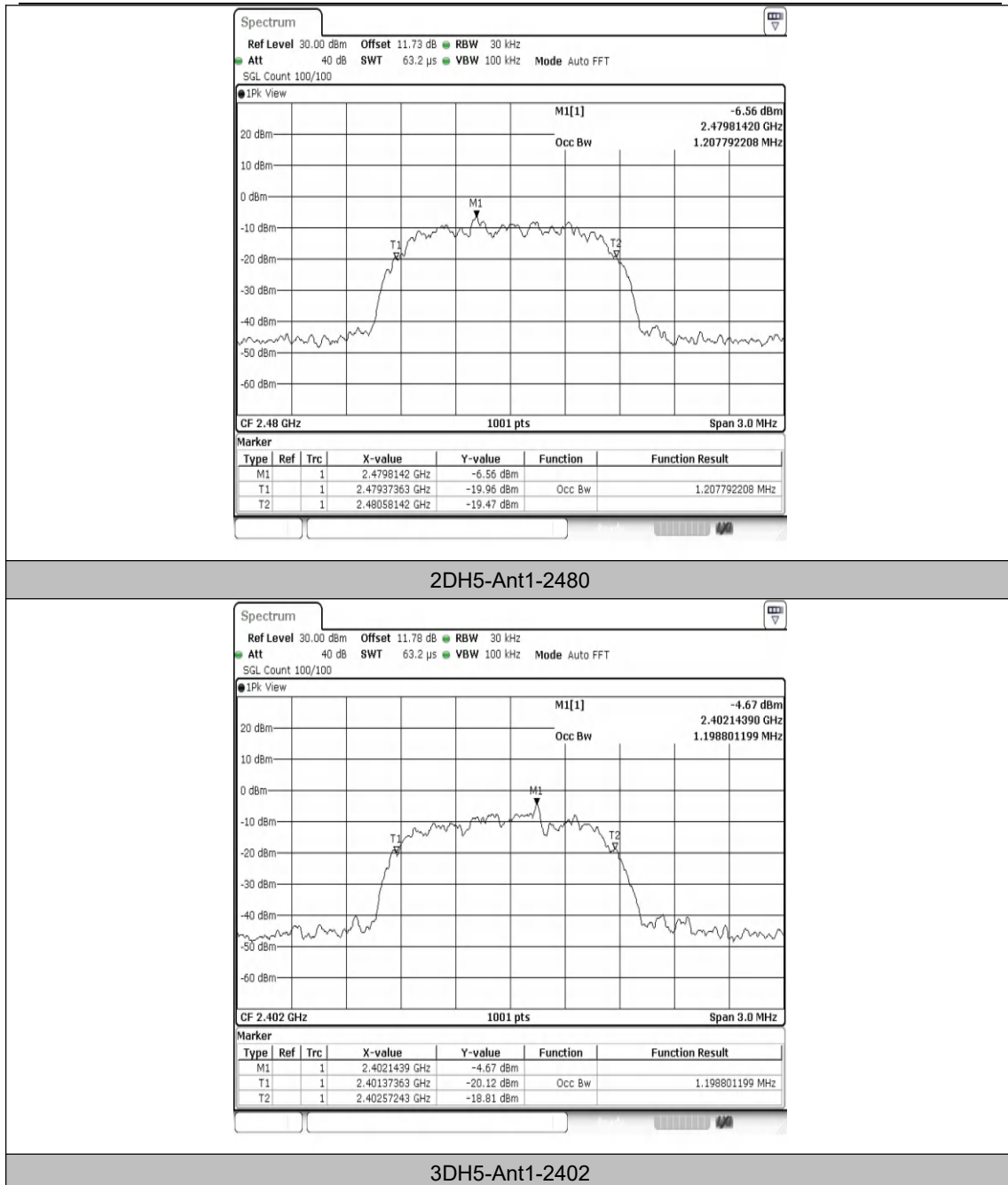


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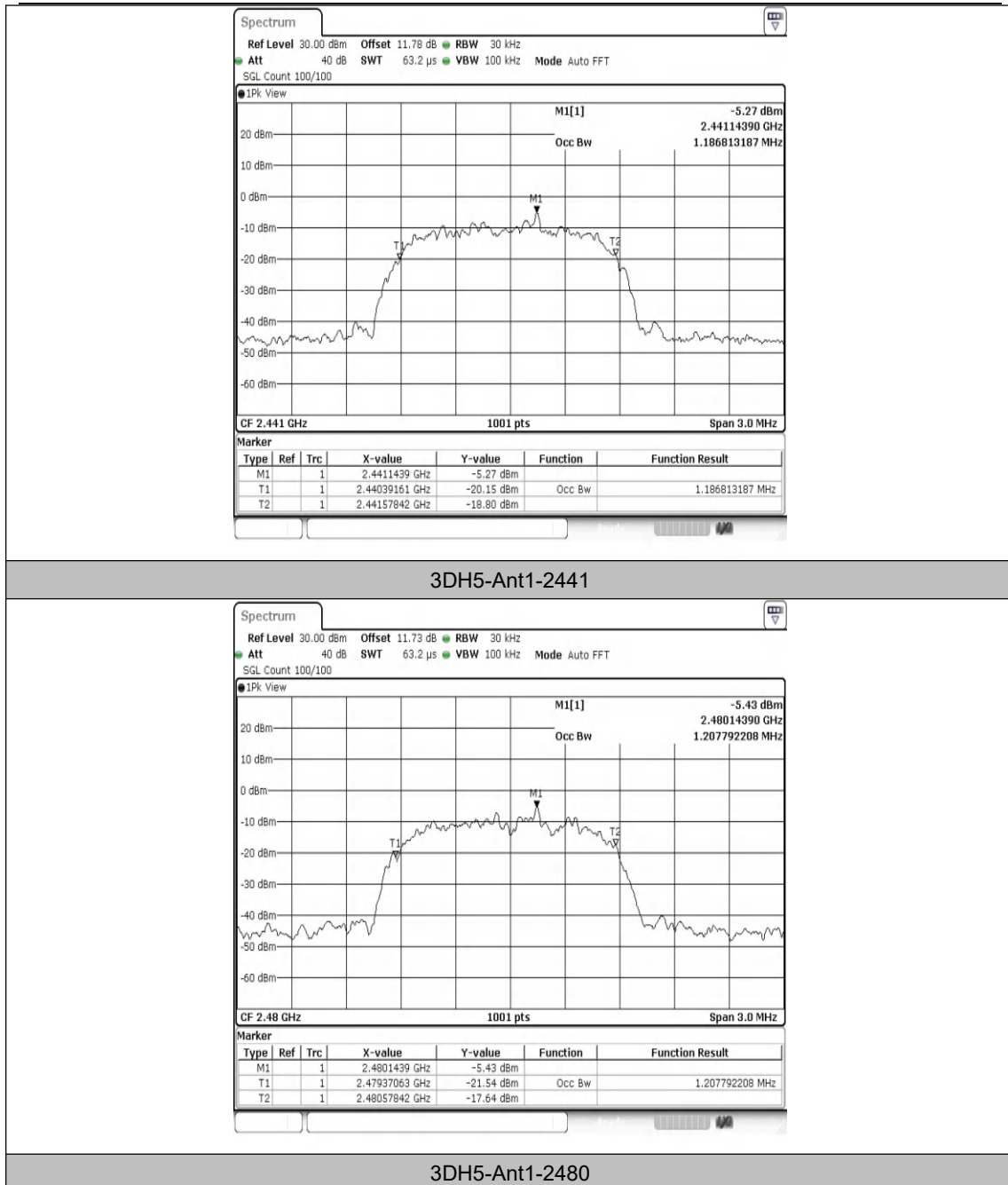




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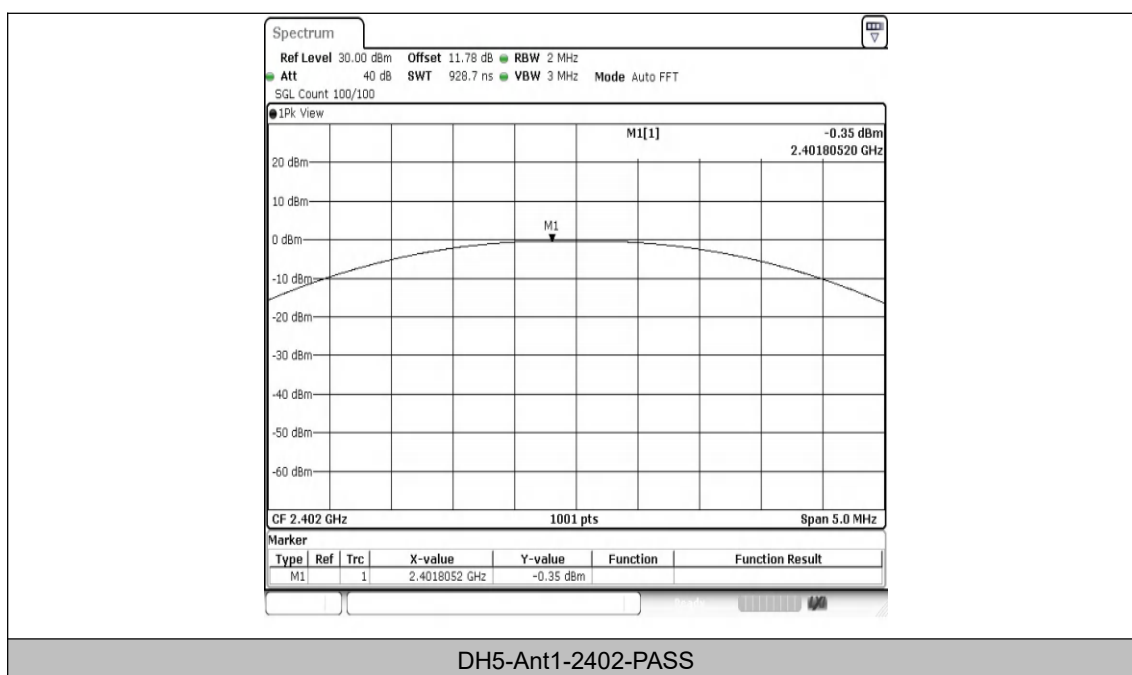
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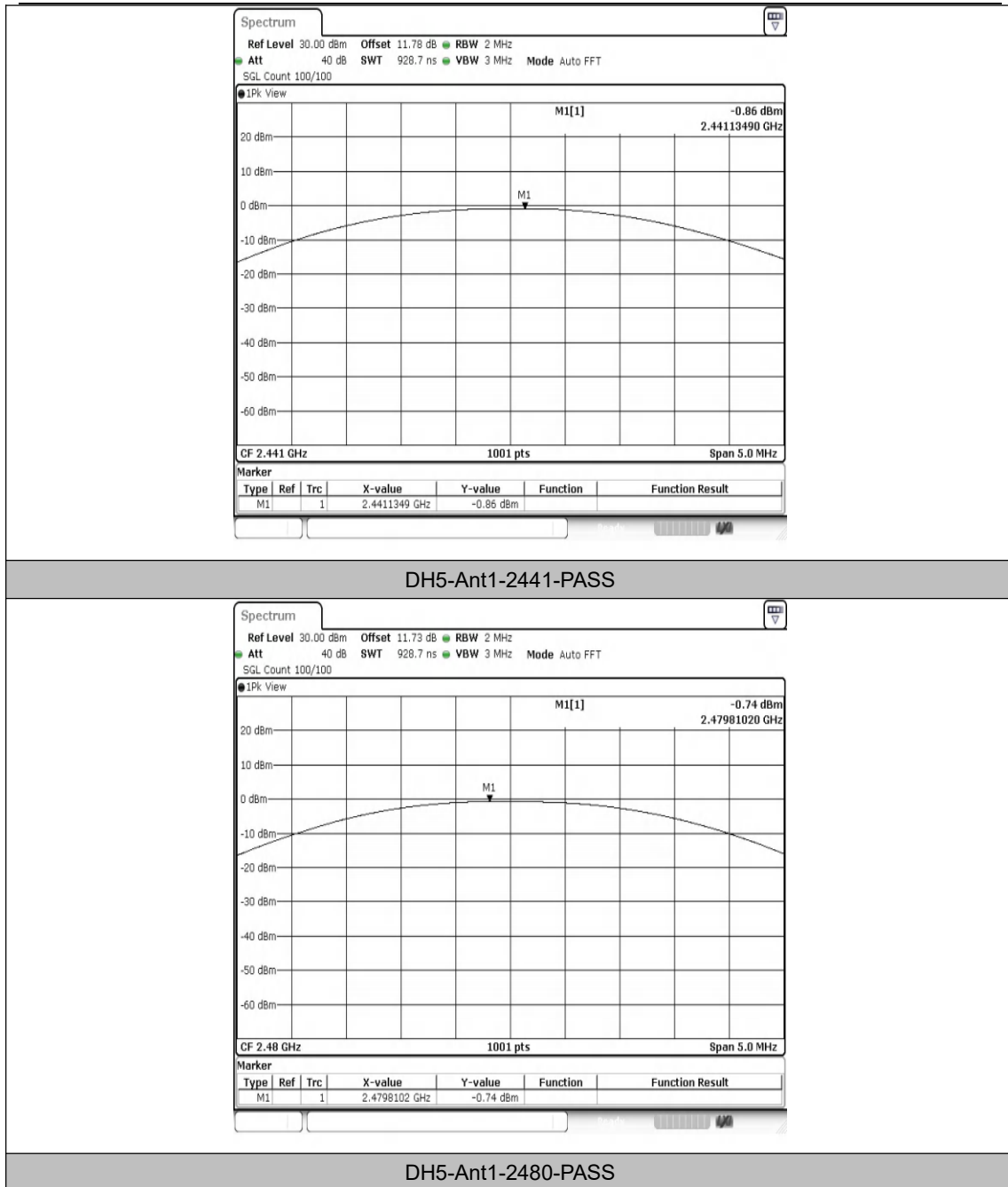
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.35	≤30	PASS
DH5	Ant1	2441	-0.86	≤30	PASS
DH5	Ant1	2480	-0.74	≤30	PASS
2DH5	Ant1	2402	1.59	≤20.97	PASS
2DH5	Ant1	2441	1.33	≤20.97	PASS
2DH5	Ant1	2480	1.27	≤20.97	PASS
3DH5	Ant1	2402	1.62	≤30	PASS
3DH5	Ant1	2441	1.08	≤30	PASS
3DH5	Ant1	2480	1.28	≤30	PASS

Test Graphs

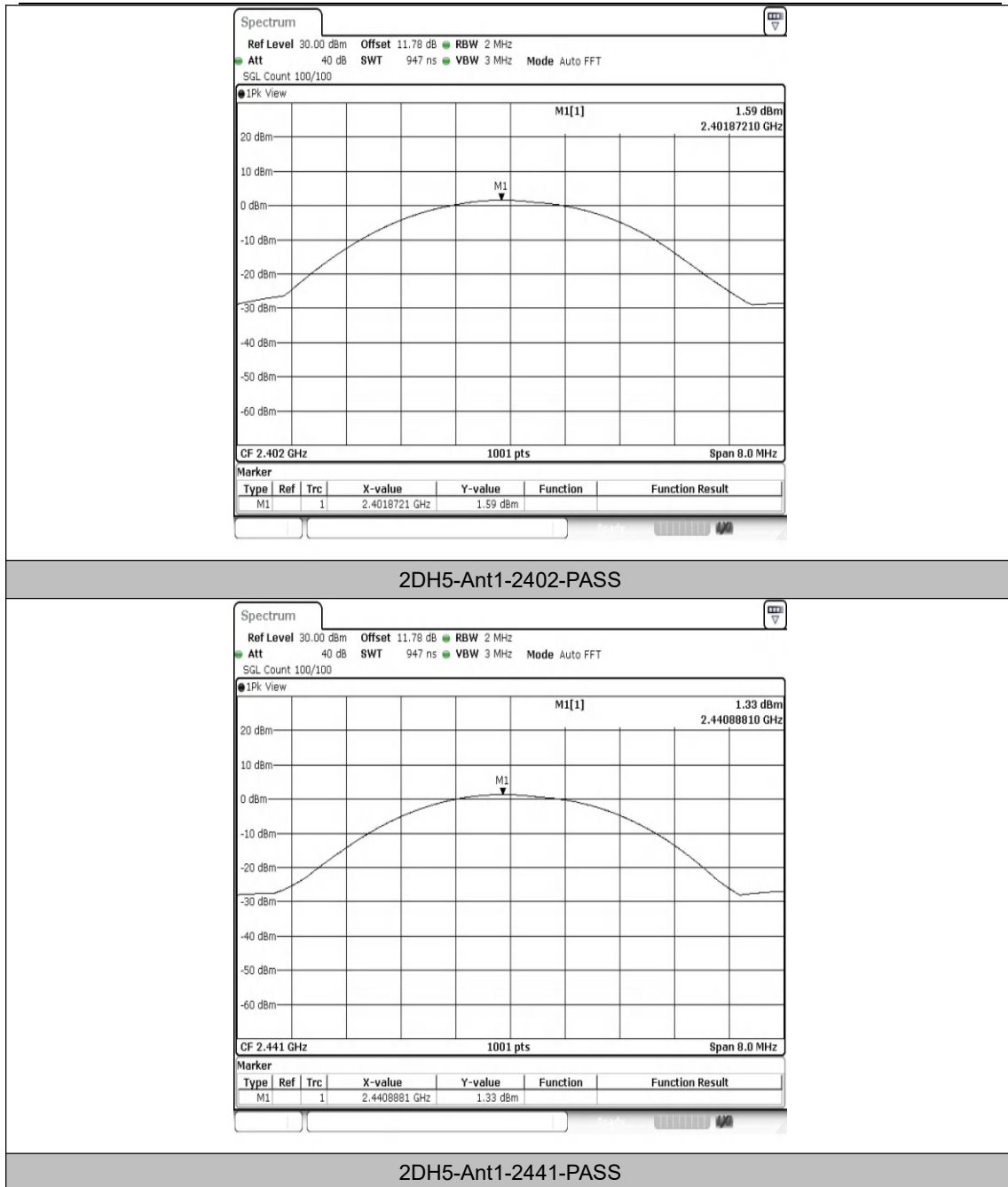


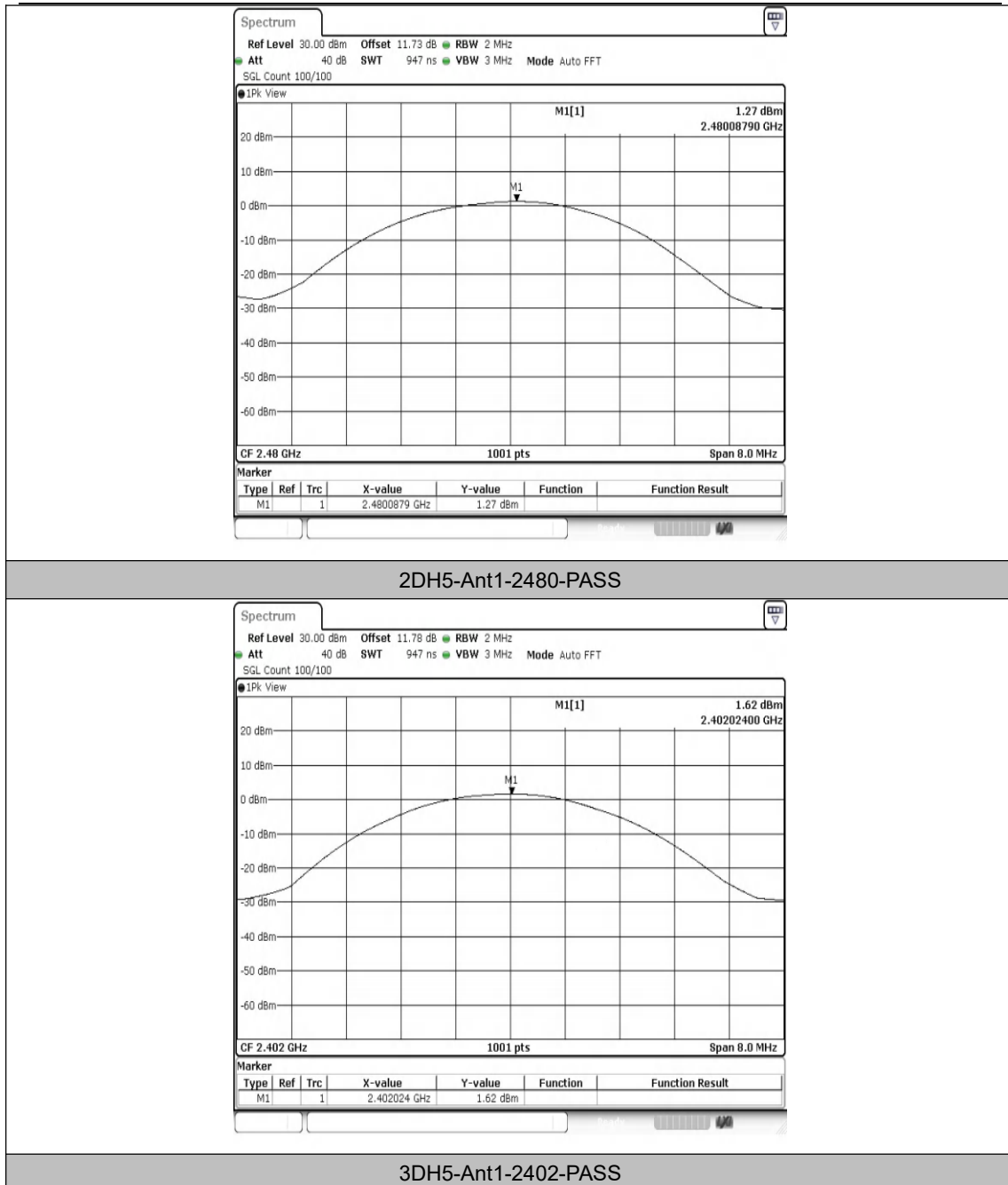


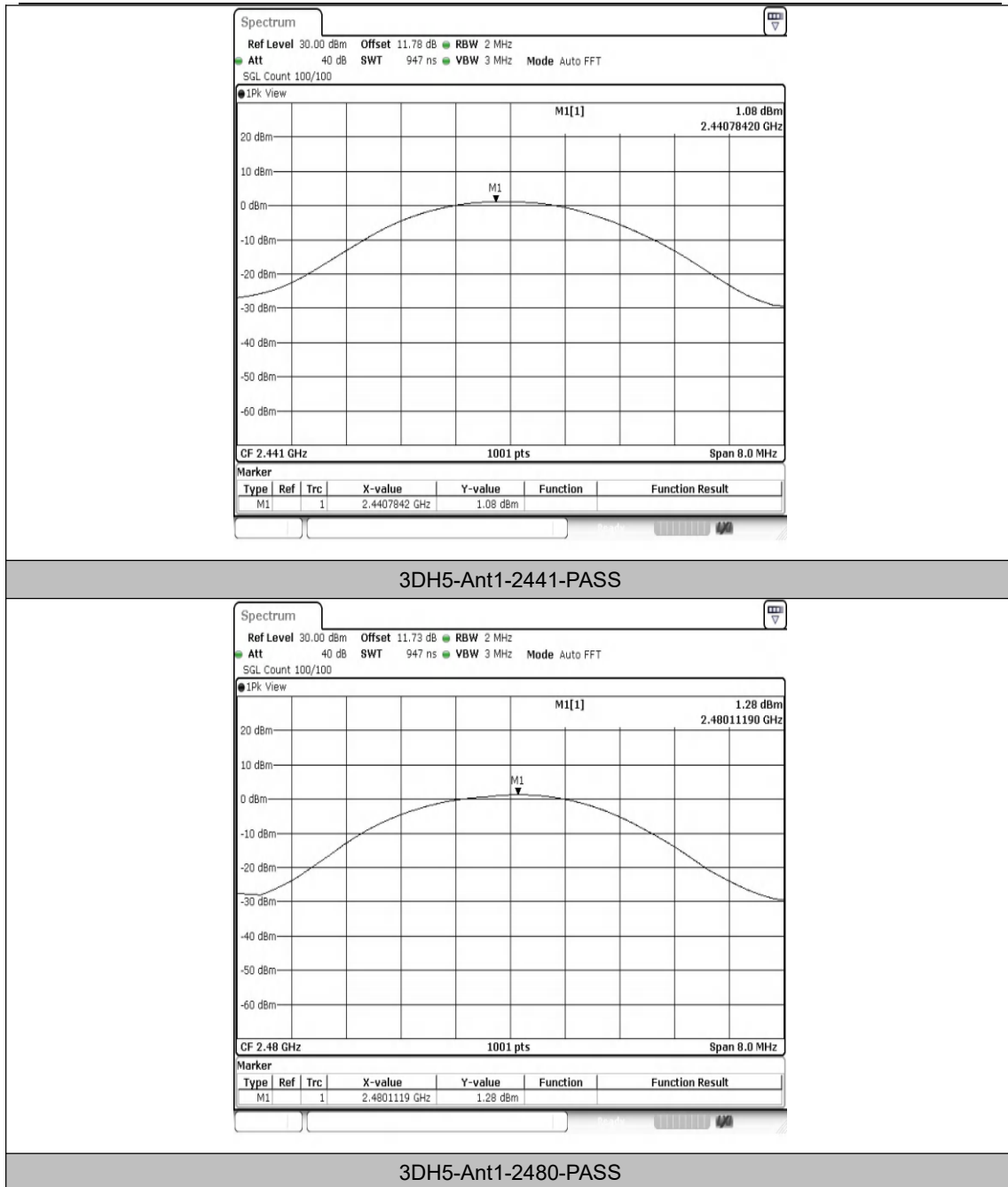
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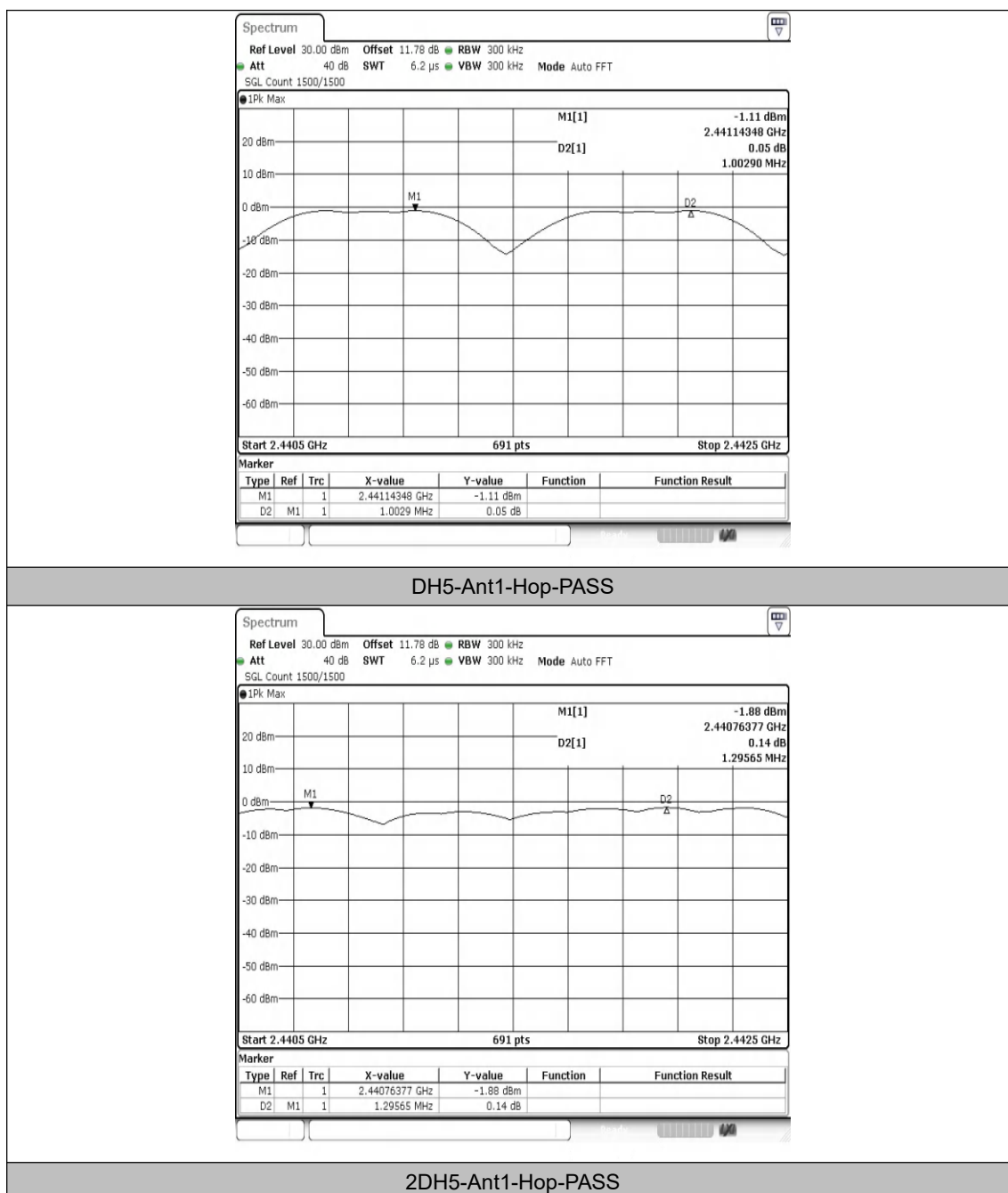
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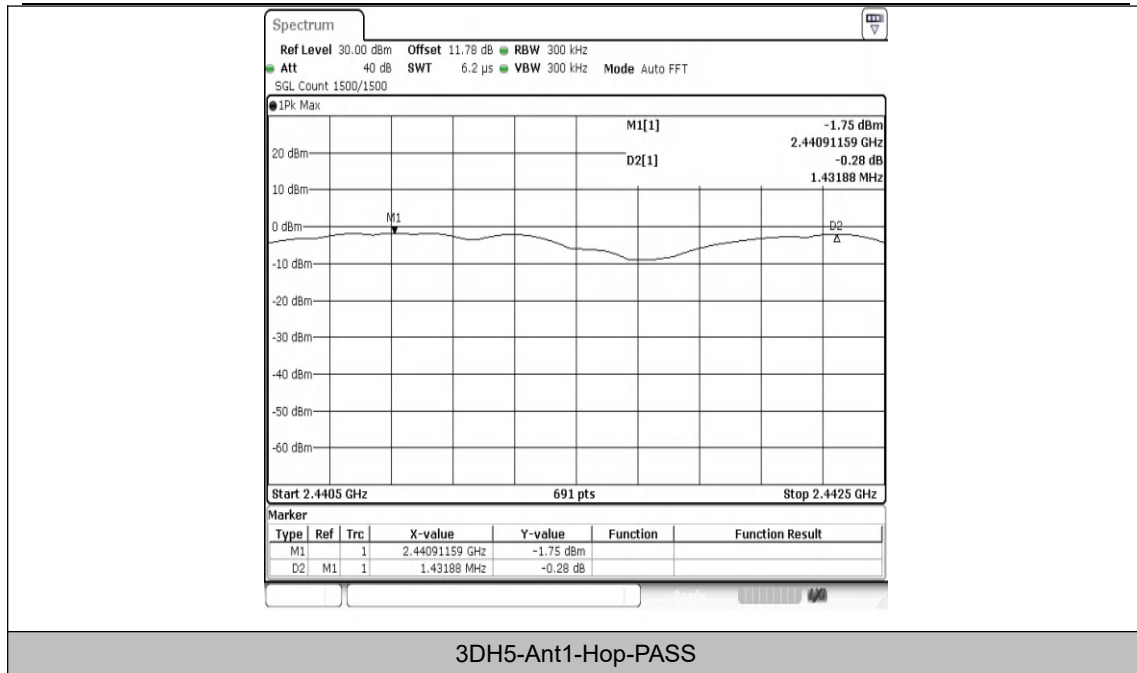
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥0.960	PASS
2DH5	Ant1	Hop	1.296	≥0.900	PASS
3DH5	Ant1	Hop	1.432	≥1.350	PASS

Test Graphs





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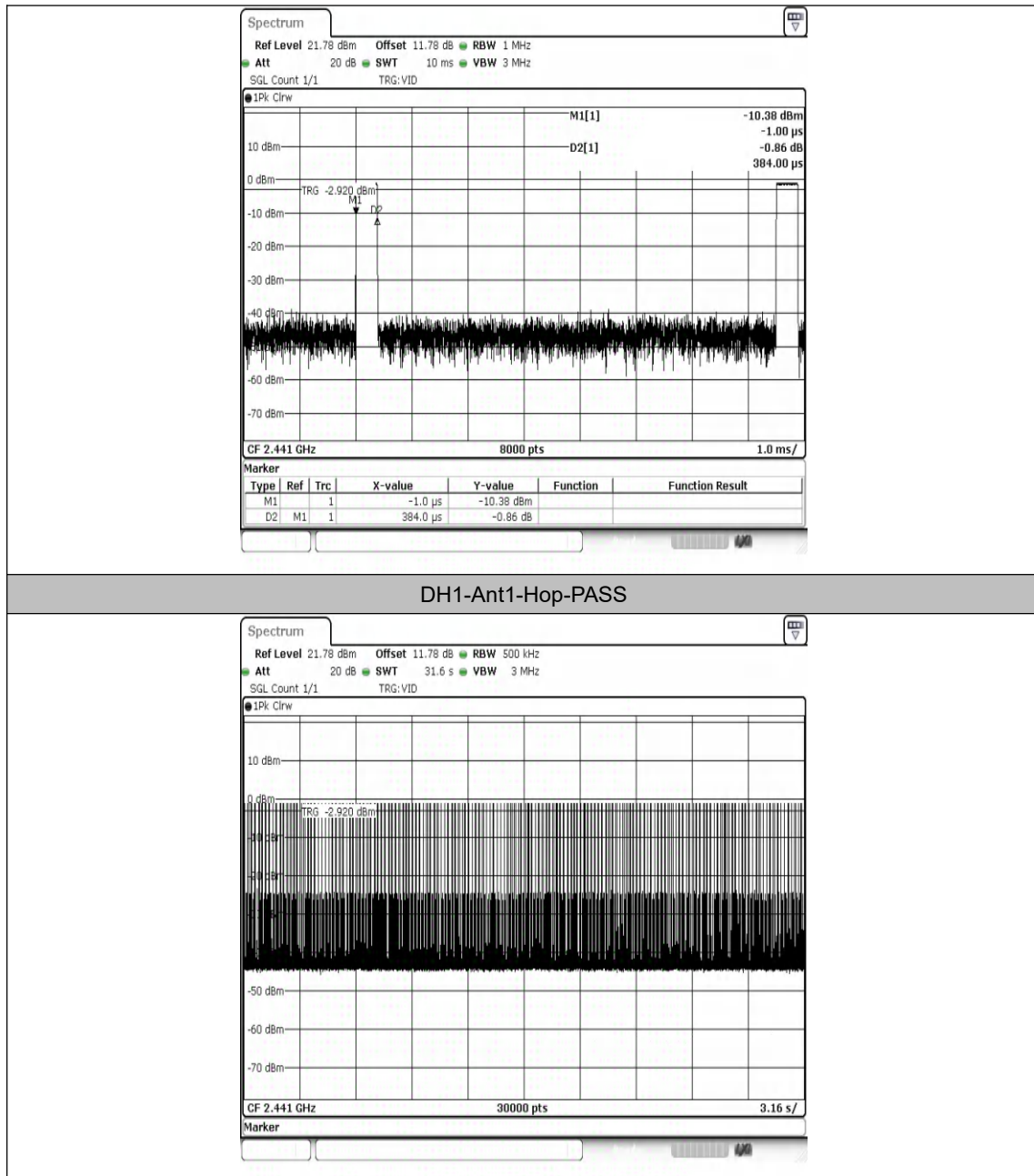
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.384	317	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.640	163	0.267	≤0.4	PASS
DH5	Ant1	Hop	2.888	103	0.297	≤0.4	PASS
2DH1	Ant1	Hop	0.386	319	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.639	159	0.261	≤0.4	PASS
2DH5	Ant1	Hop	1.686	109	0.184	≤0.4	PASS
3DH1	Ant1	Hop	0.386	319	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.638	157	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.889	104	0.3	≤0.4	PASS

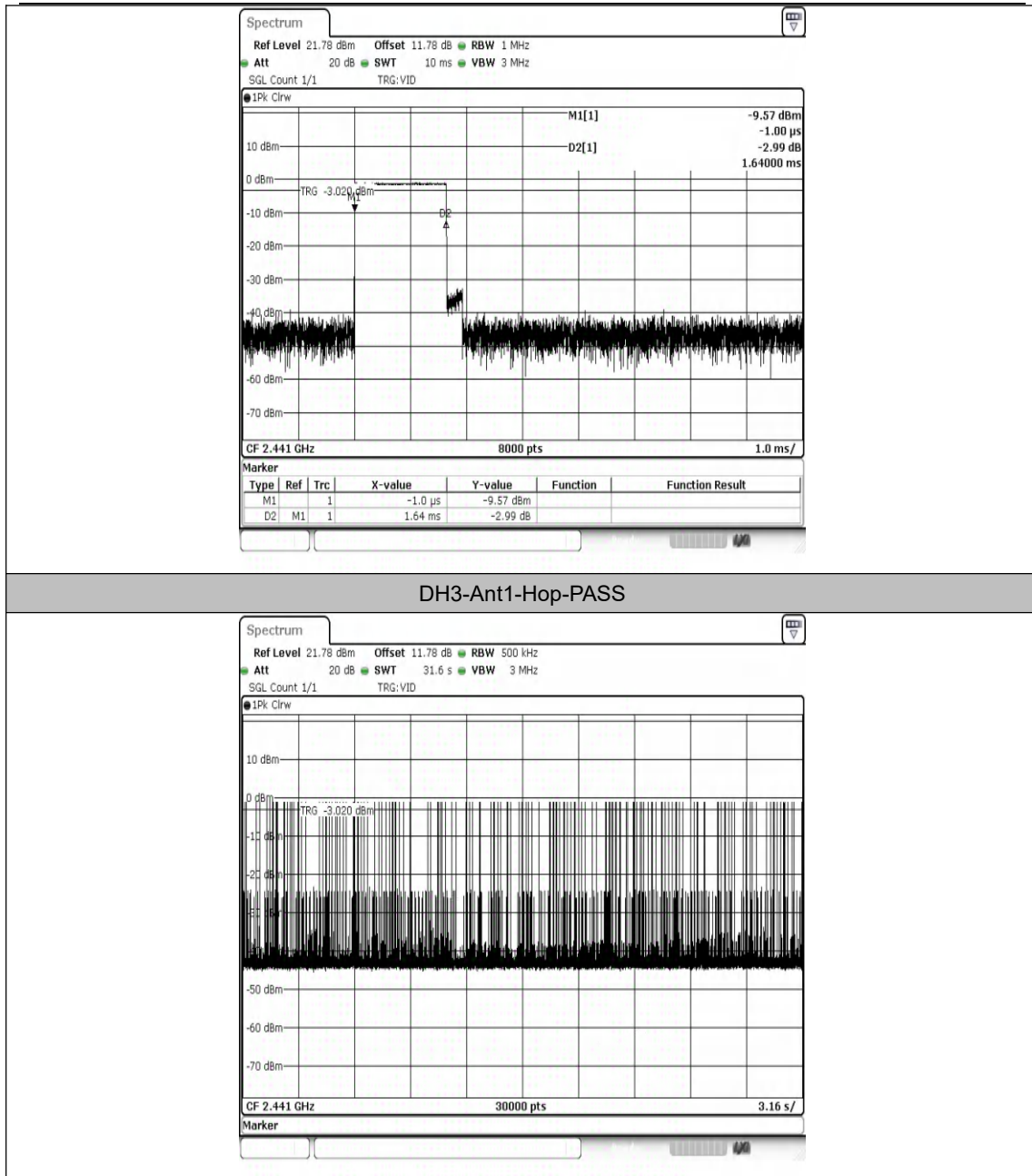
Test Graphs



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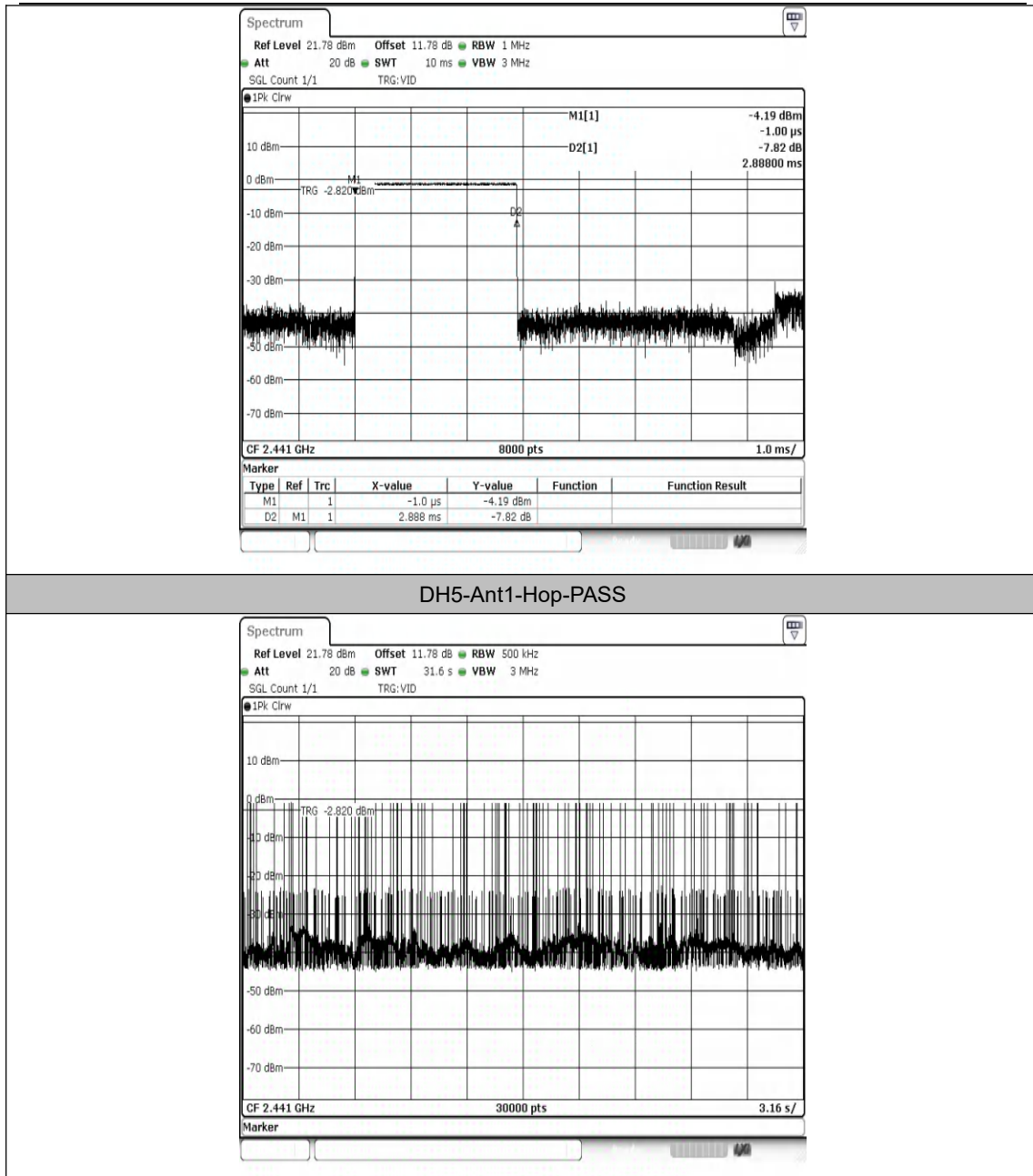
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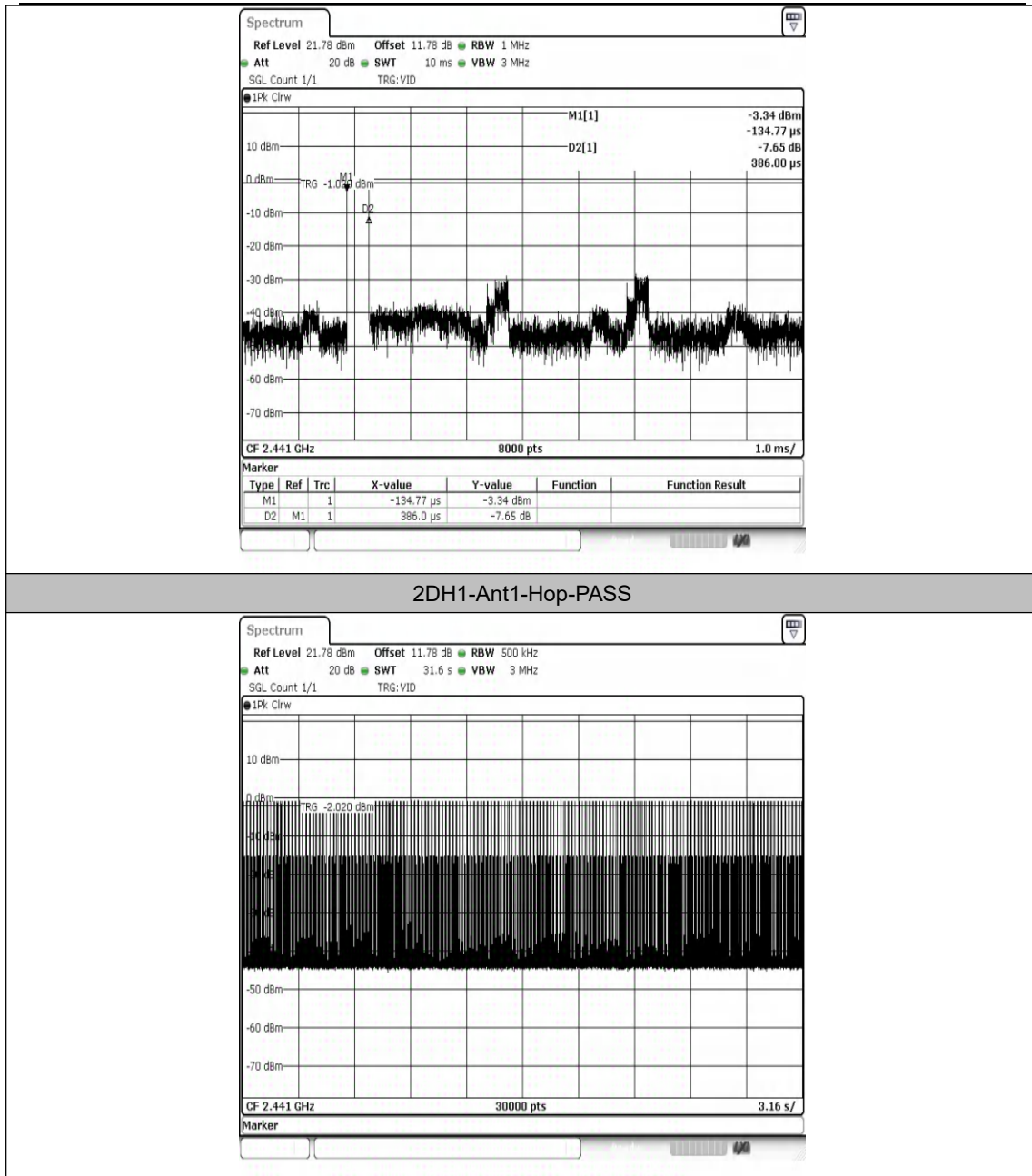
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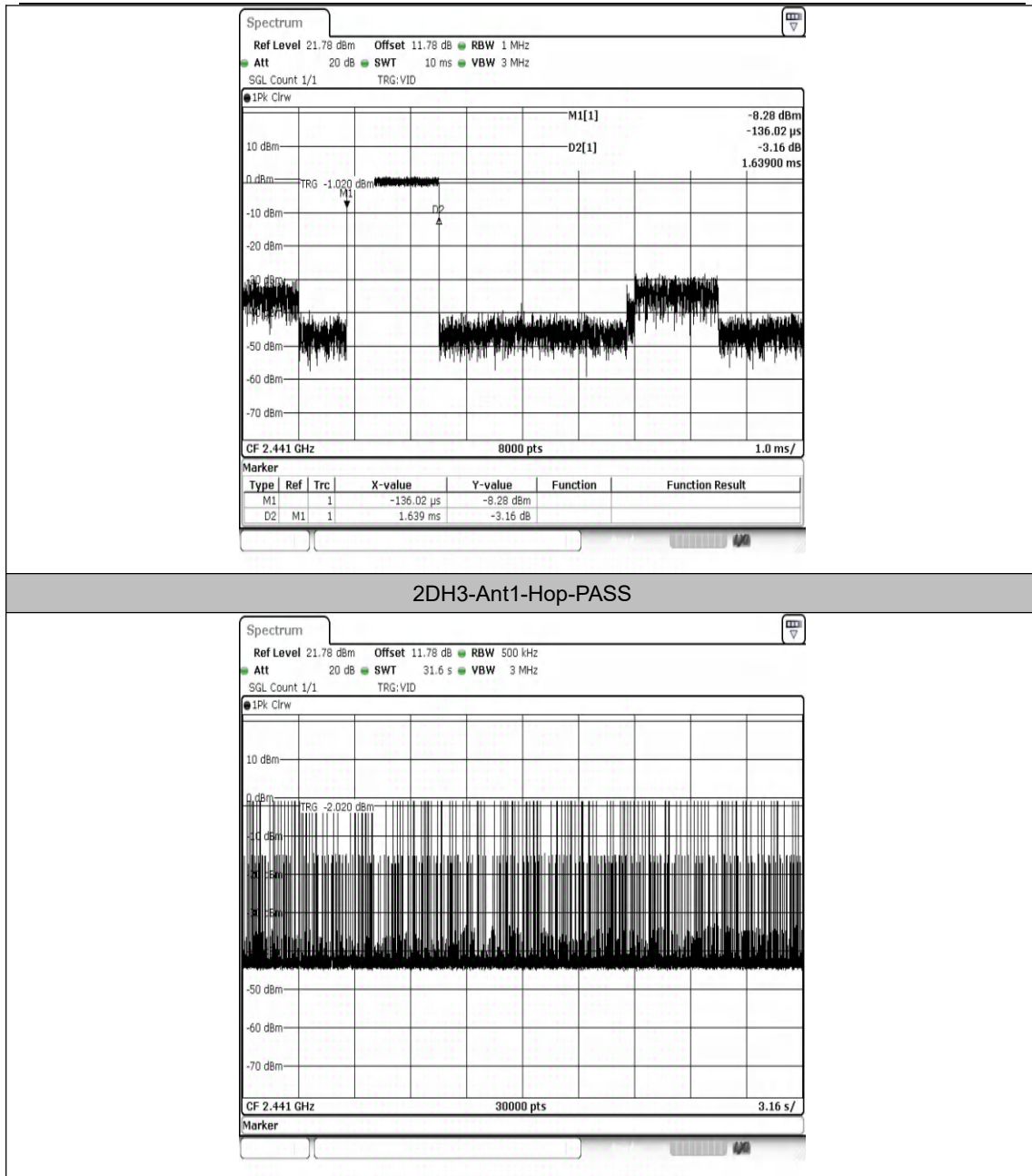
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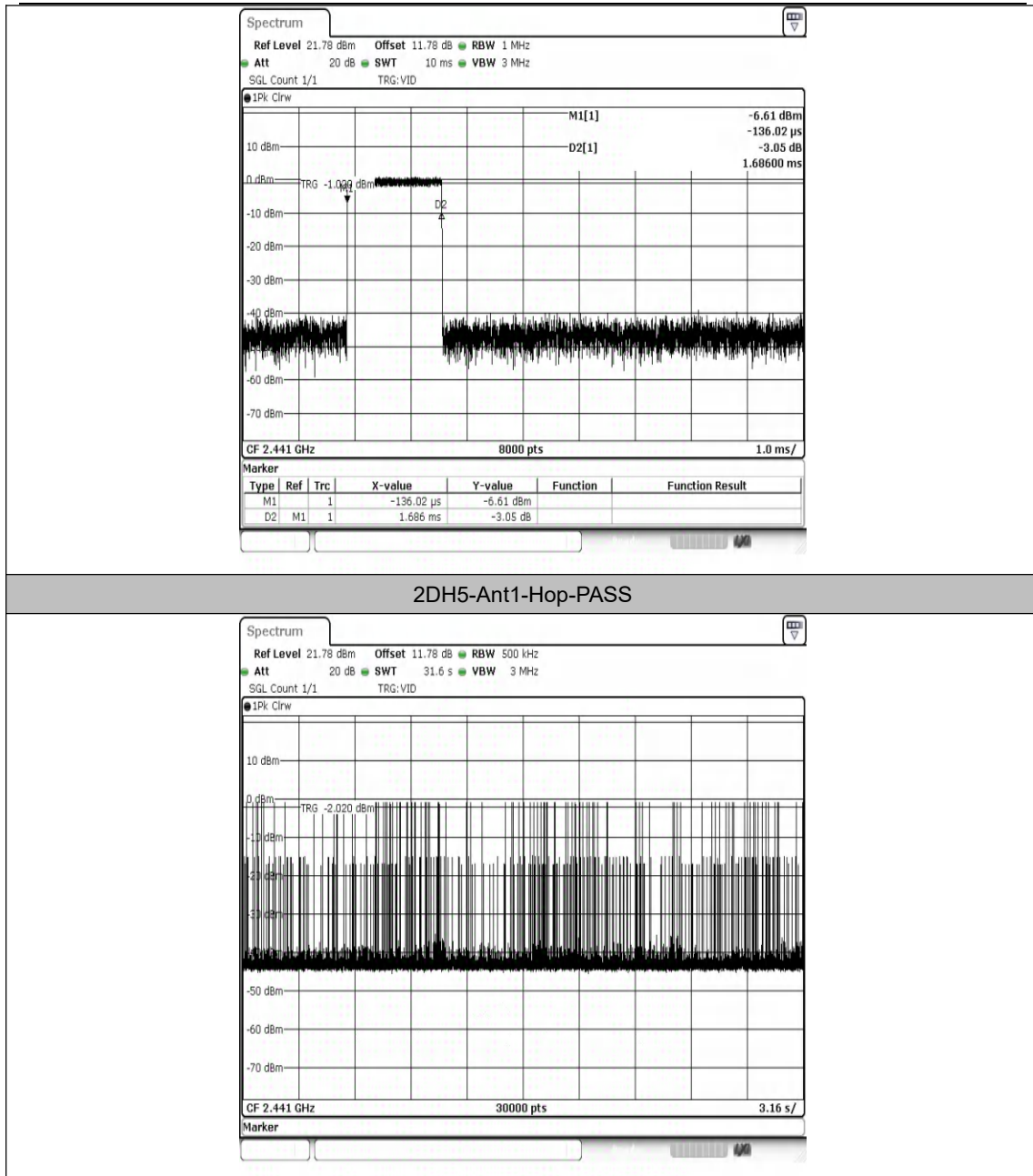
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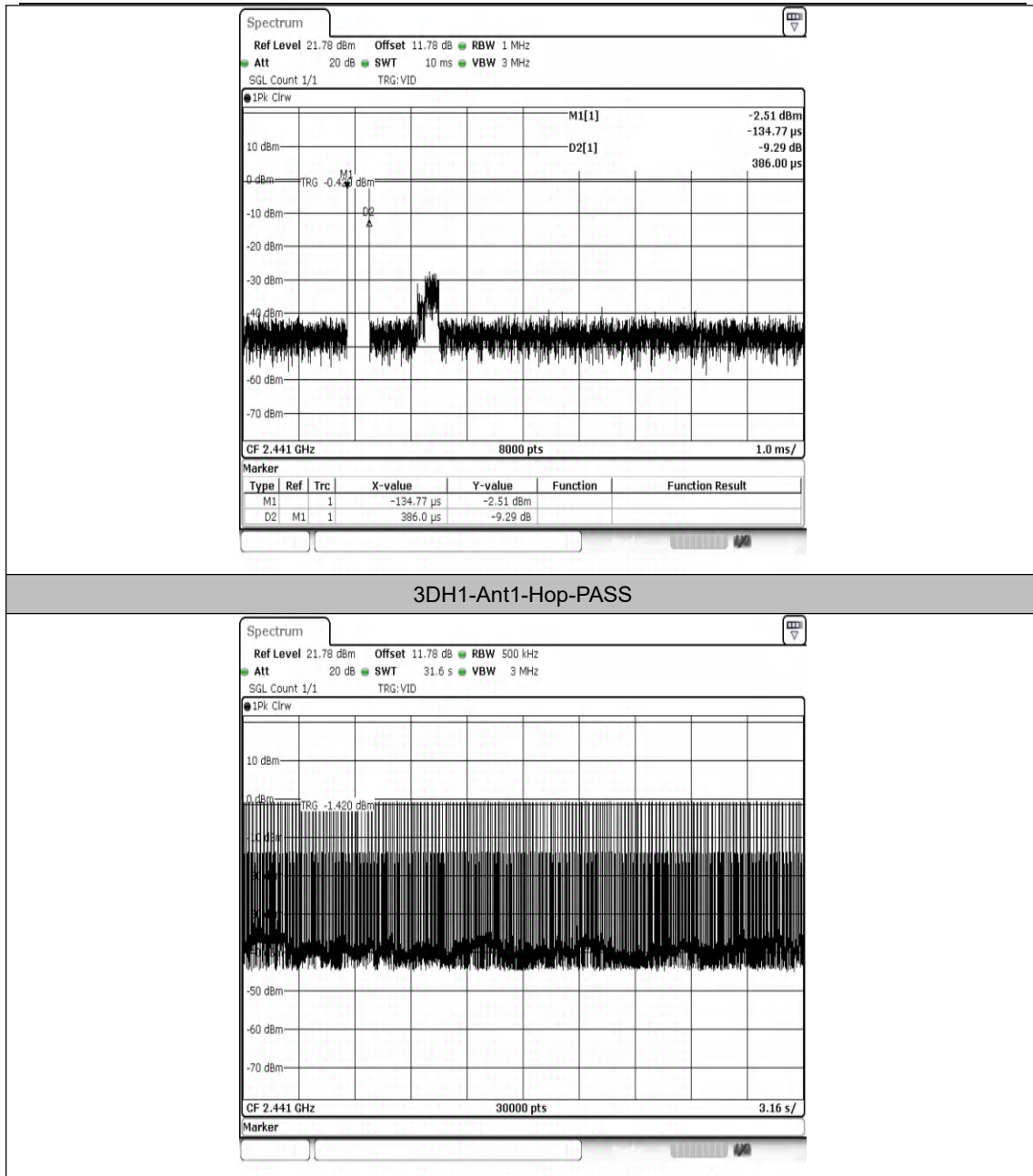
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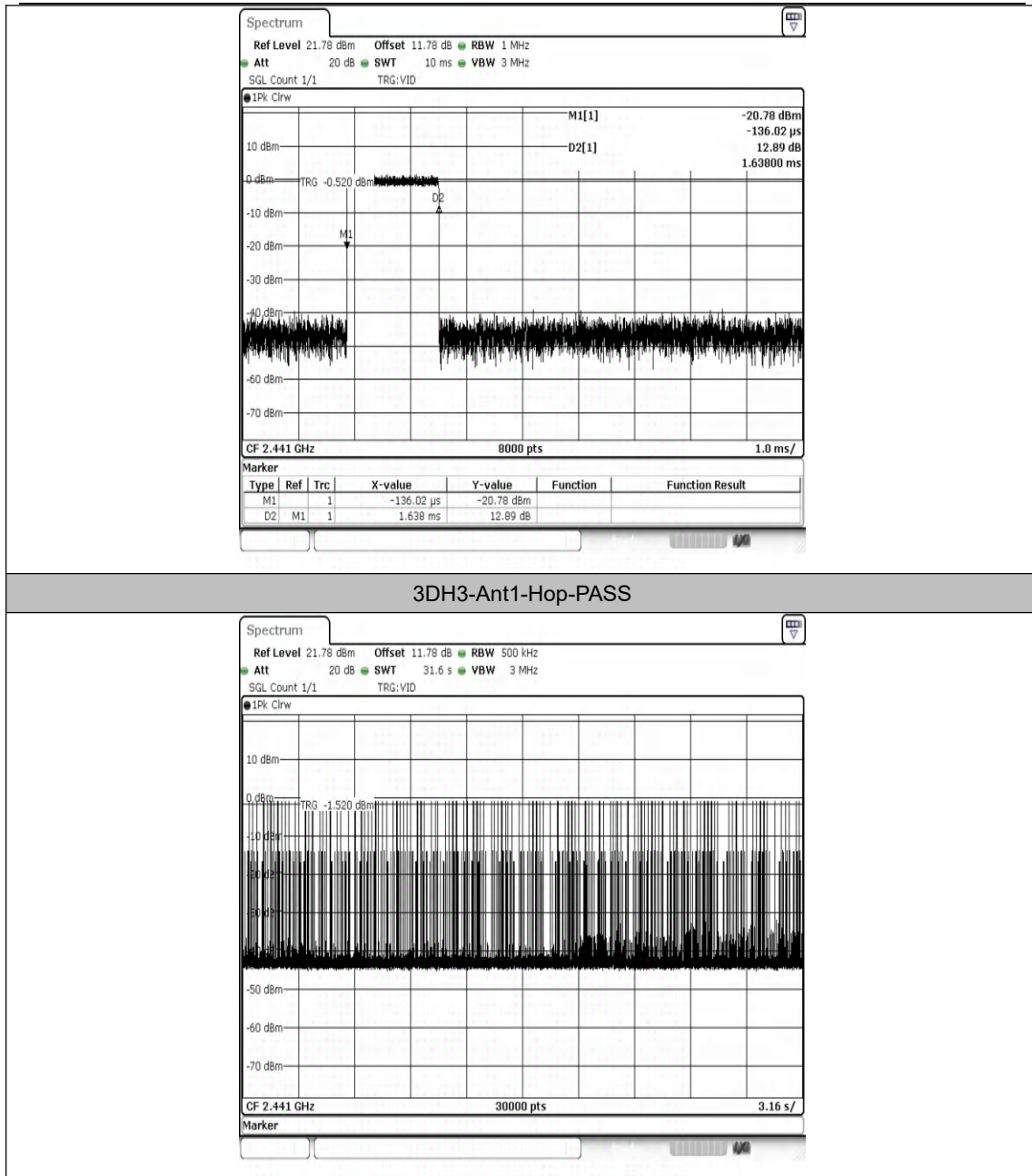
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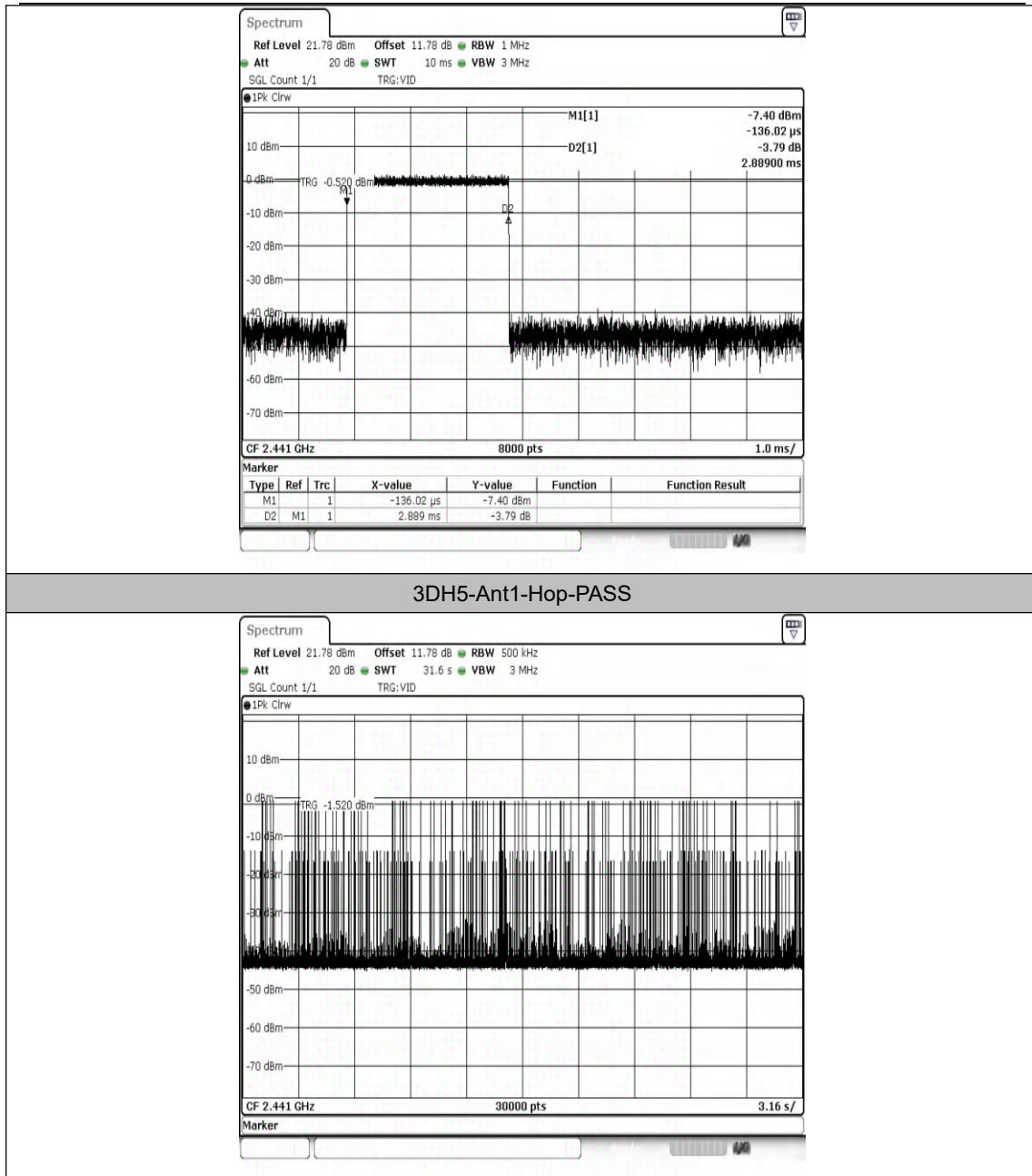
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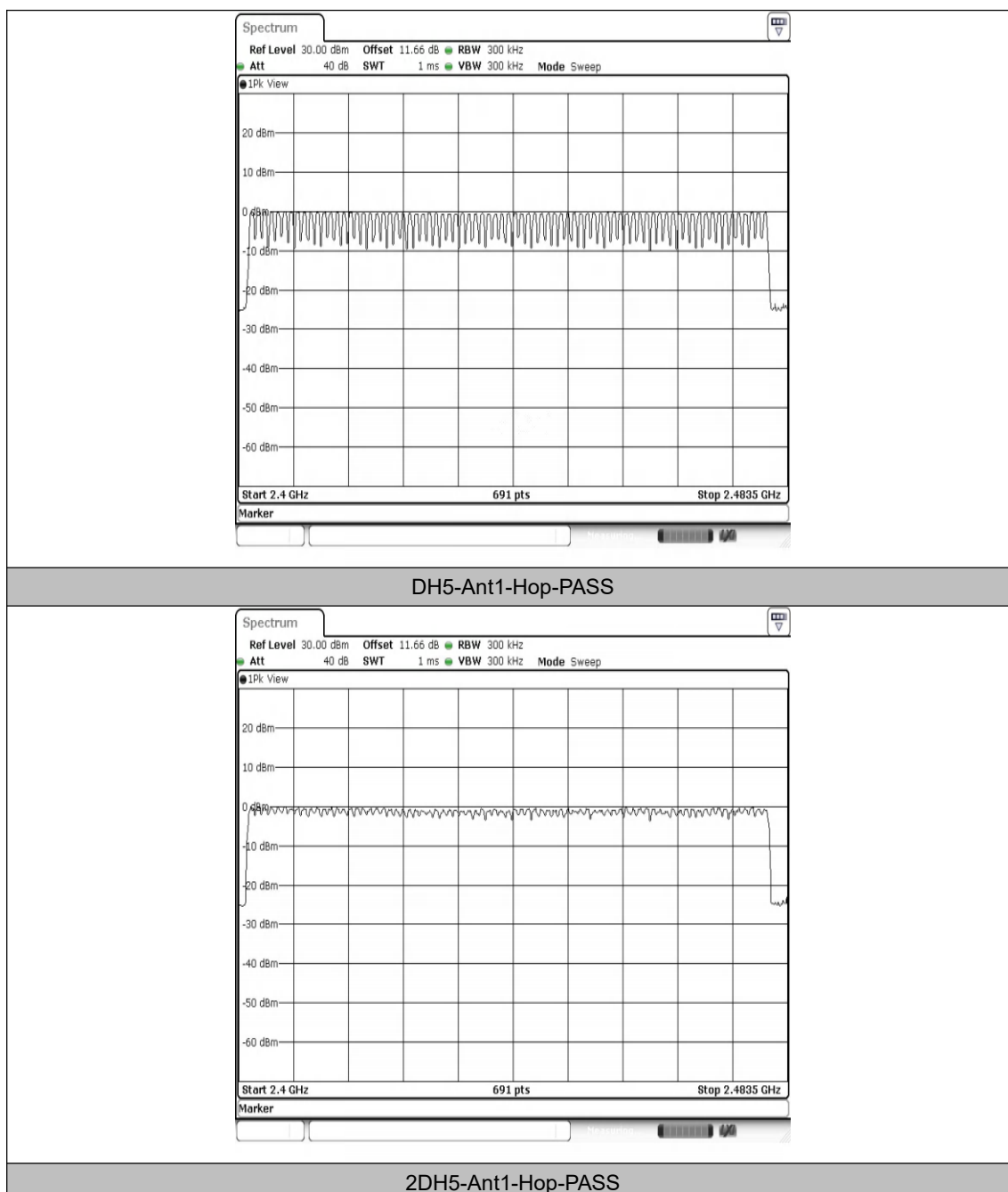


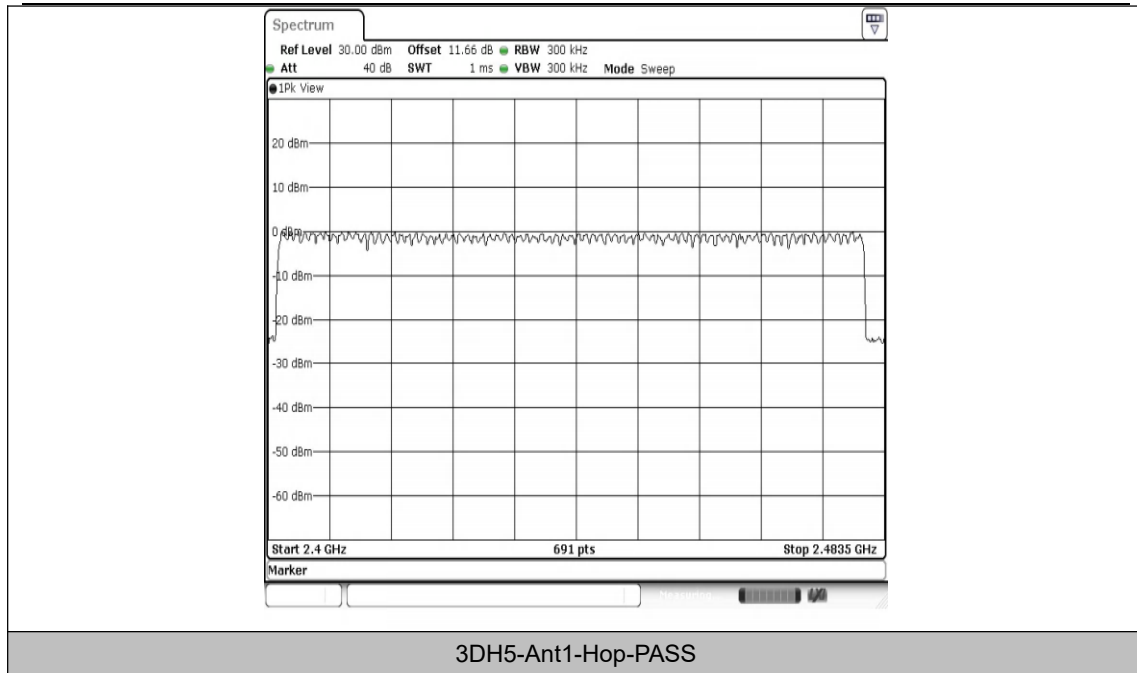
Appendix F: Number of Hopping Channel

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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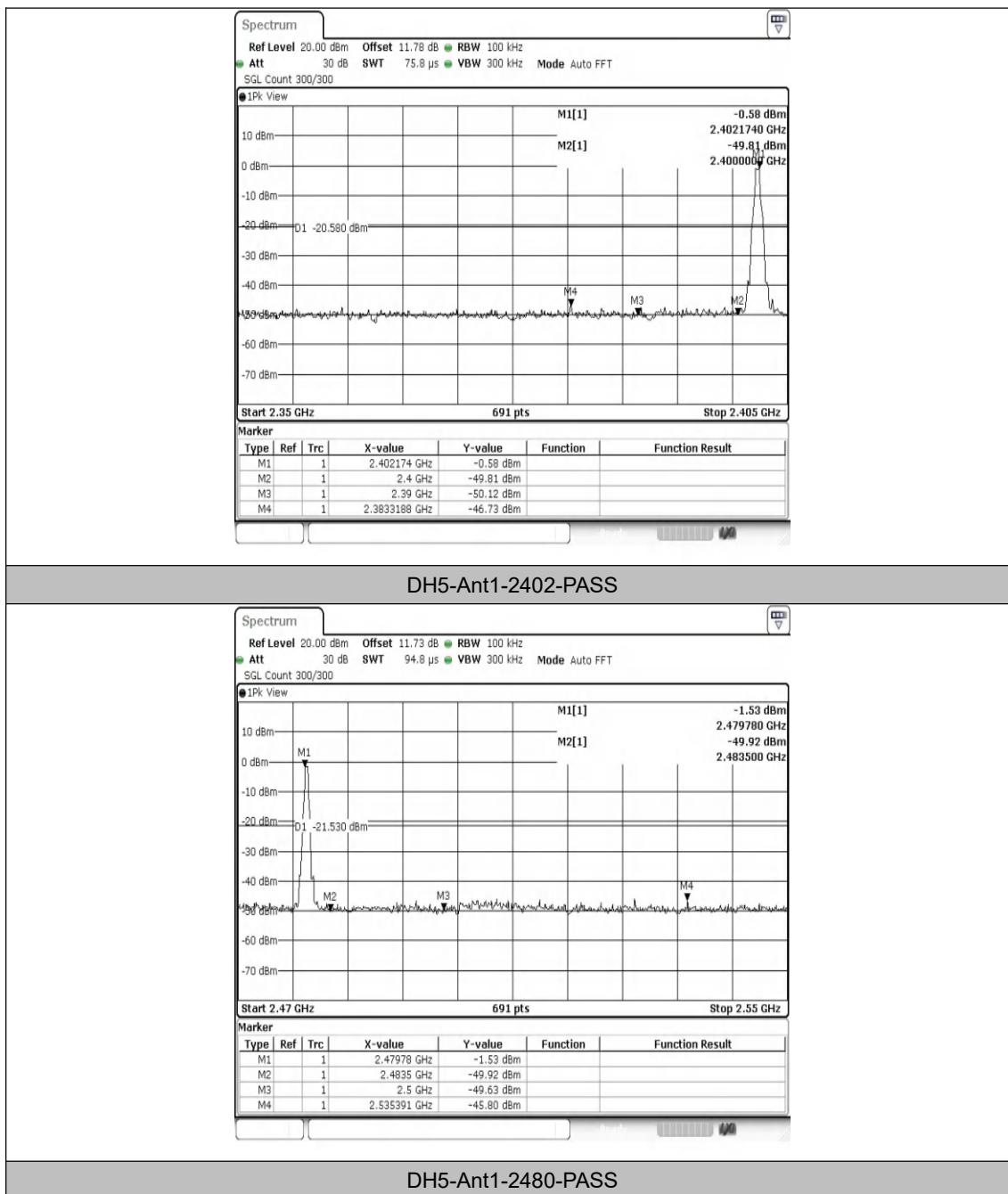
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.58	-46.73	≤-20.58	PASS
DH5	Ant1	High	2480	-1.53	-45.8	≤-21.53	PASS
DH5	Ant1	Low	Hop_2402	-0.68	-46.77	≤-20.68	PASS
DH5	Ant1	High	Hop_2480	-1.72	-39.14	≤-21.72	PASS
2DH5	Ant1	Low	2402	-1.43	-46.71	≤-21.43	PASS
2DH5	Ant1	High	2480	-2.07	-45.54	≤-22.07	PASS
2DH5	Ant1	Low	Hop_2402	-3.76	-47.37	≤-23.76	PASS
2DH5	Ant1	High	Hop_2480	-2.29	-45.83	≤-22.29	PASS
3DH5	Ant1	Low	2402	-0.59	-46.43	≤-20.59	PASS
3DH5	Ant1	High	2480	-1.59	-40.84	≤-21.59	PASS
3DH5	Ant1	Low	Hop_2402	-5.62	-46.73	≤-25.62	PASS
3DH5	Ant1	High	Hop_2480	-1.87	-45.03	≤-21.87	PASS



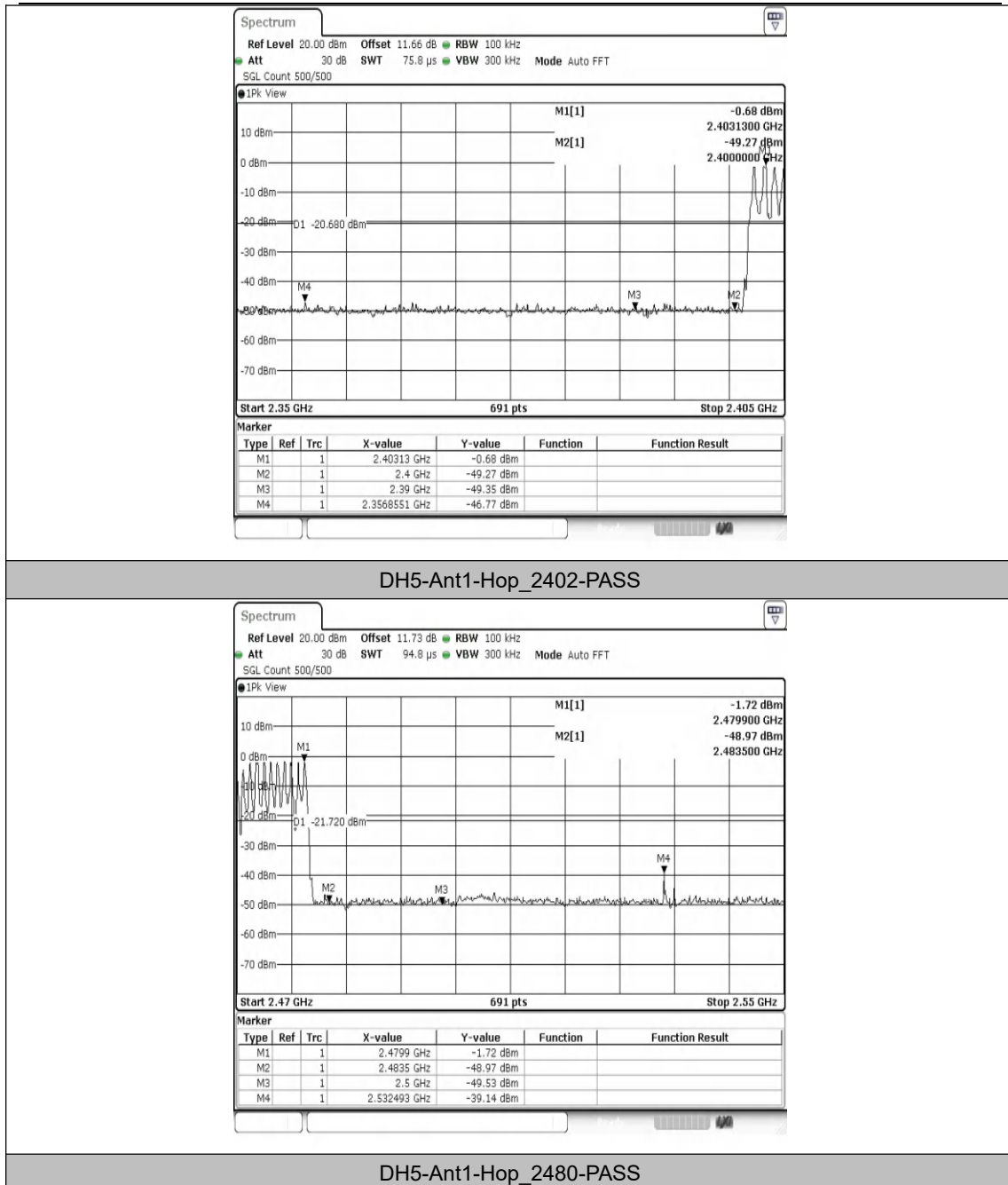
Test Graphs

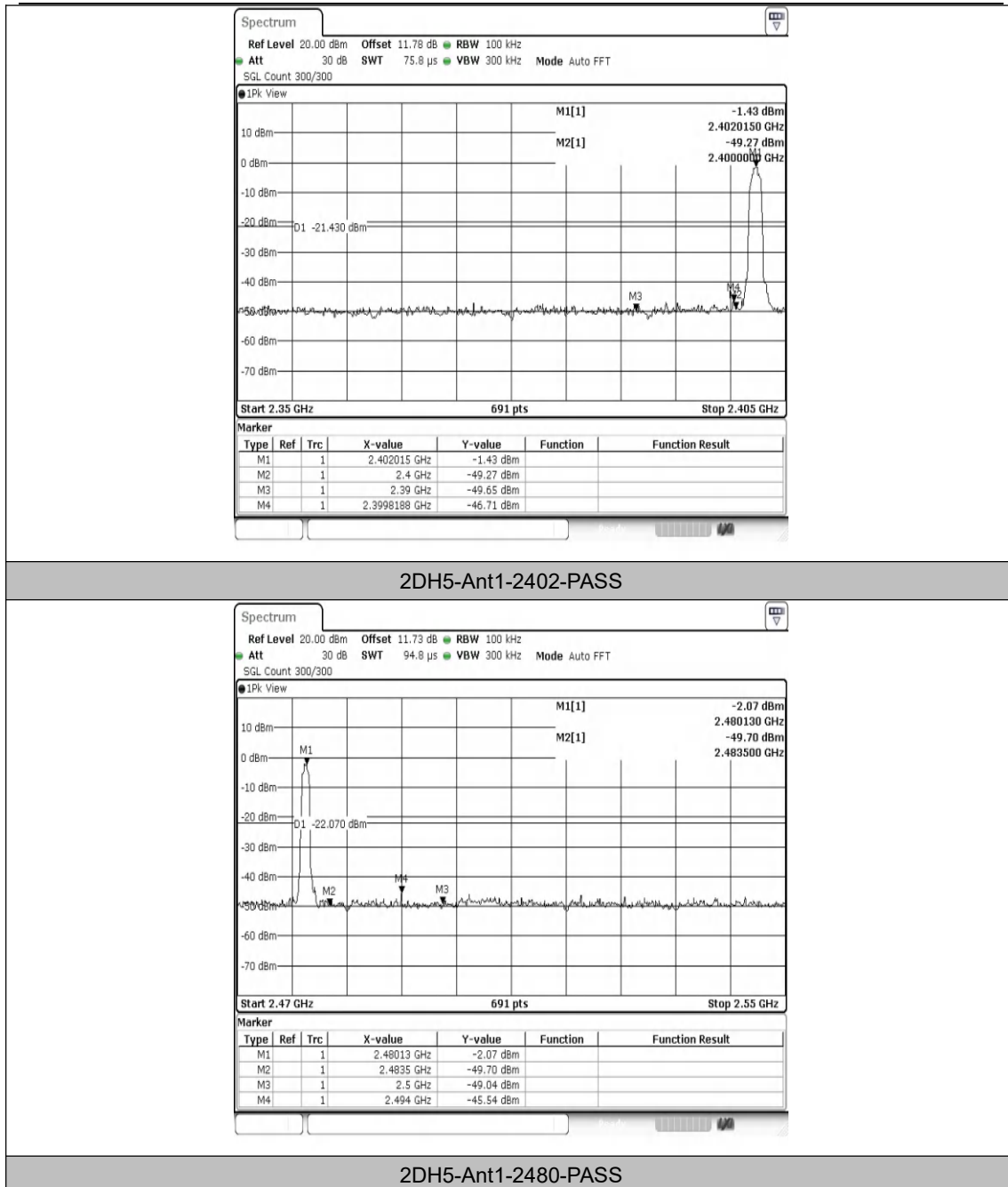


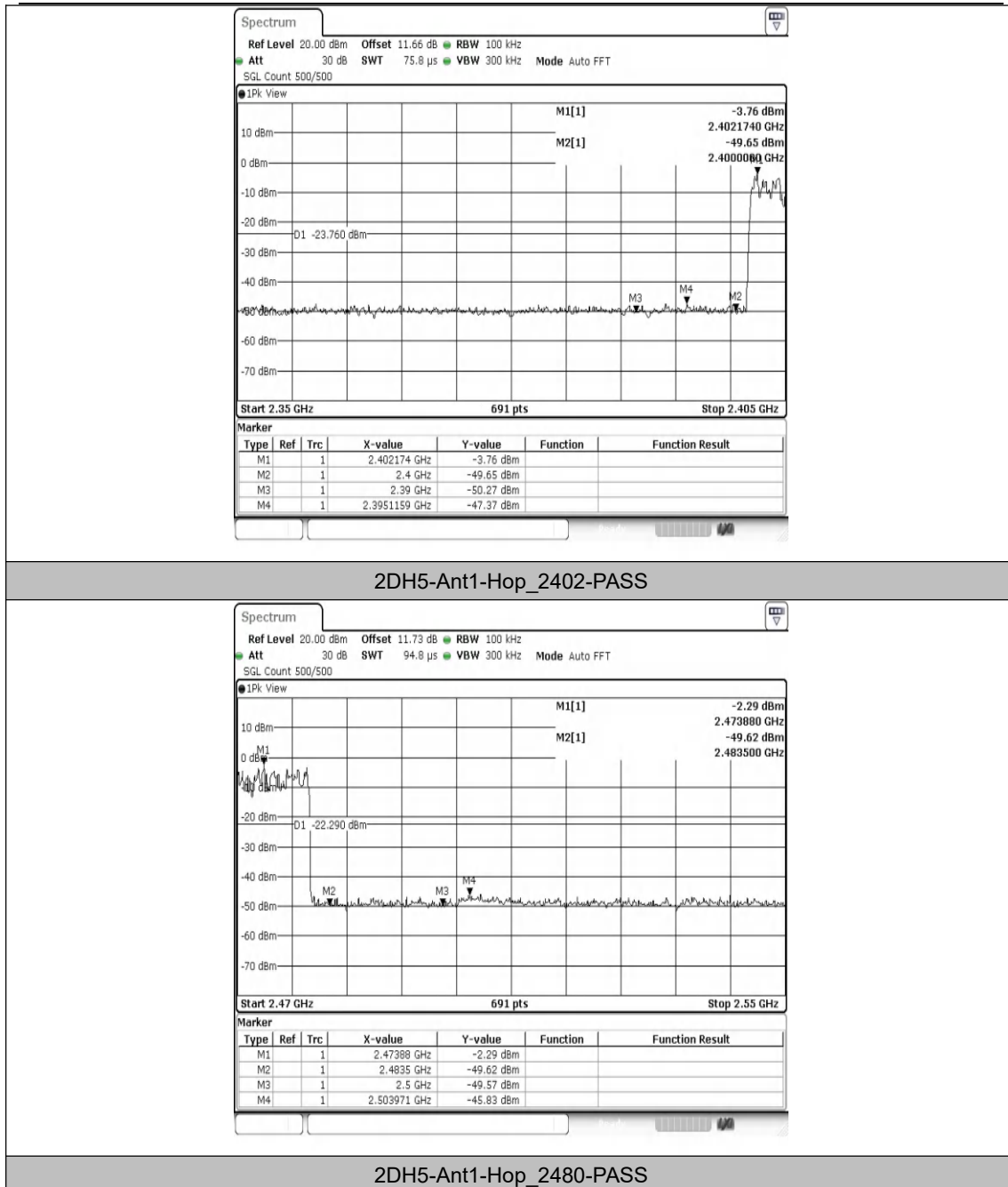
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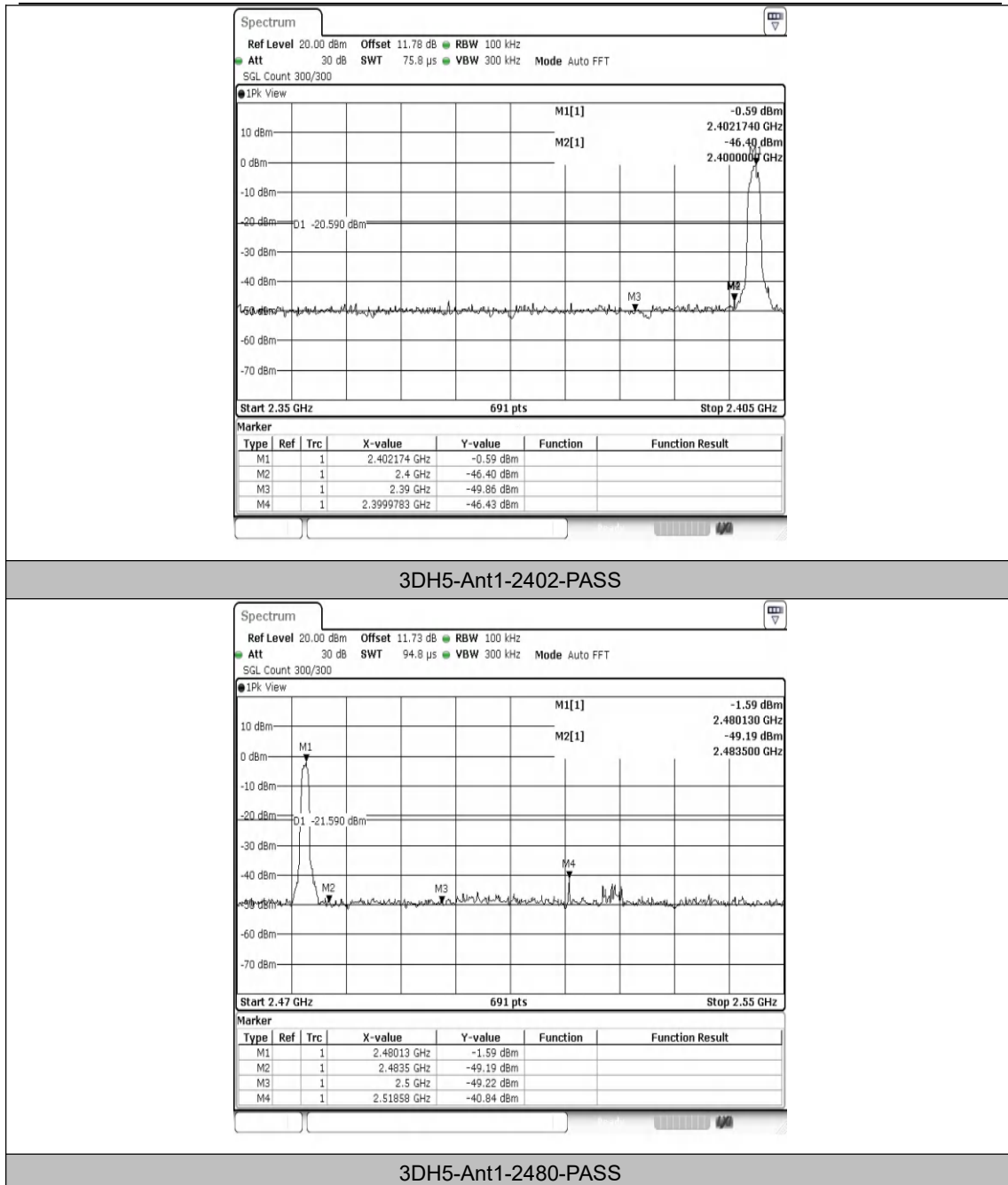
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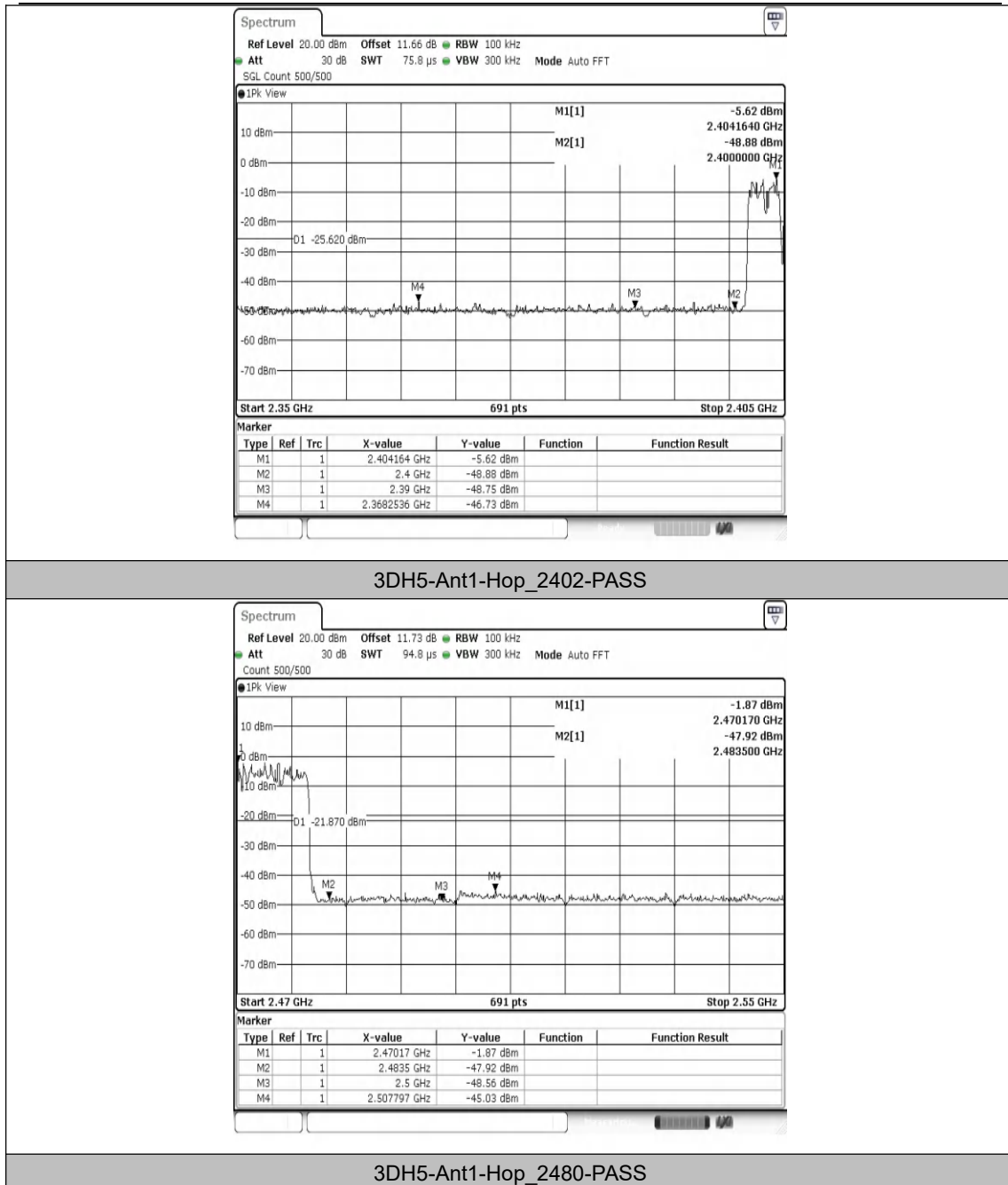
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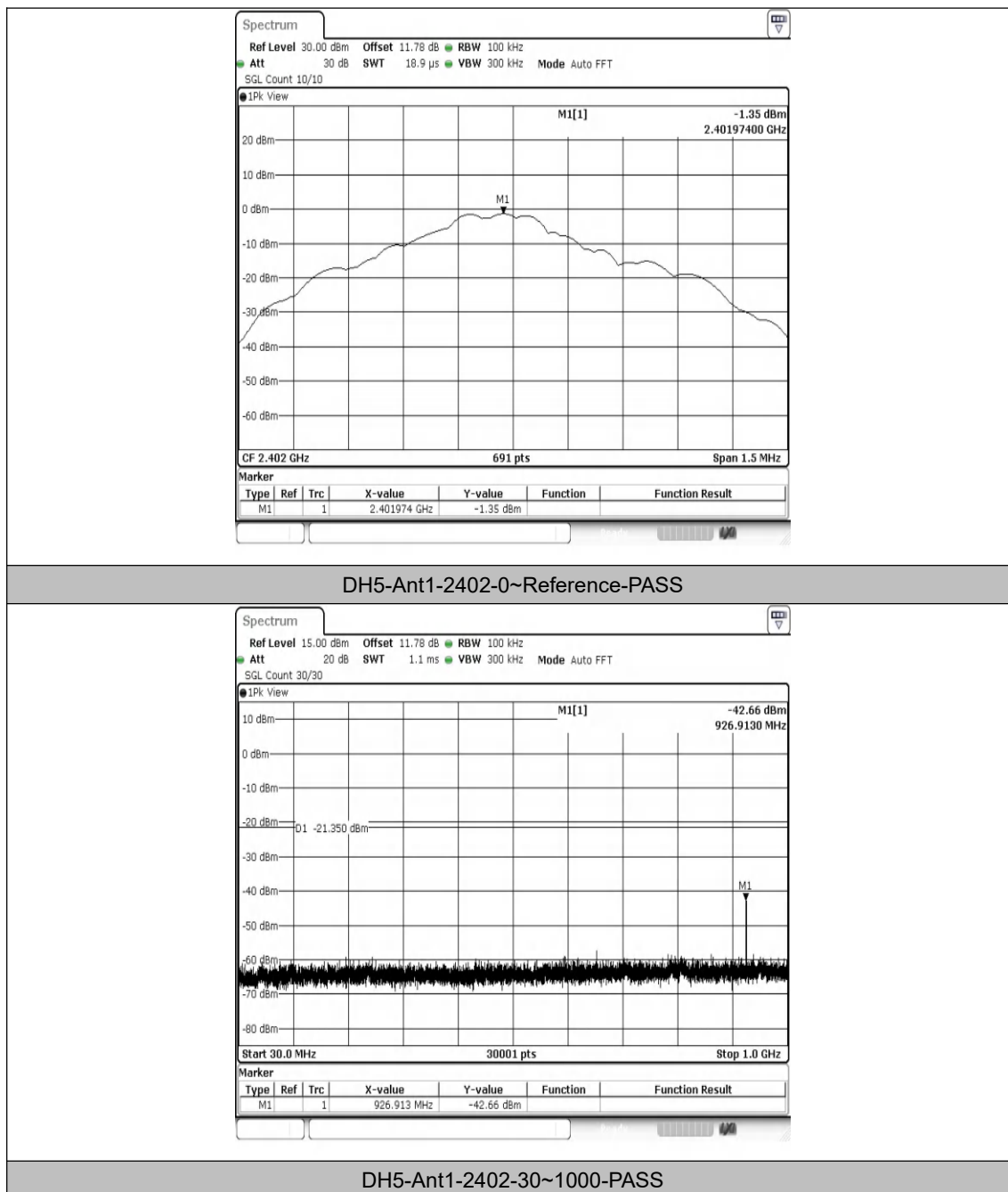
Appendix H: Conducted Spurious Emission

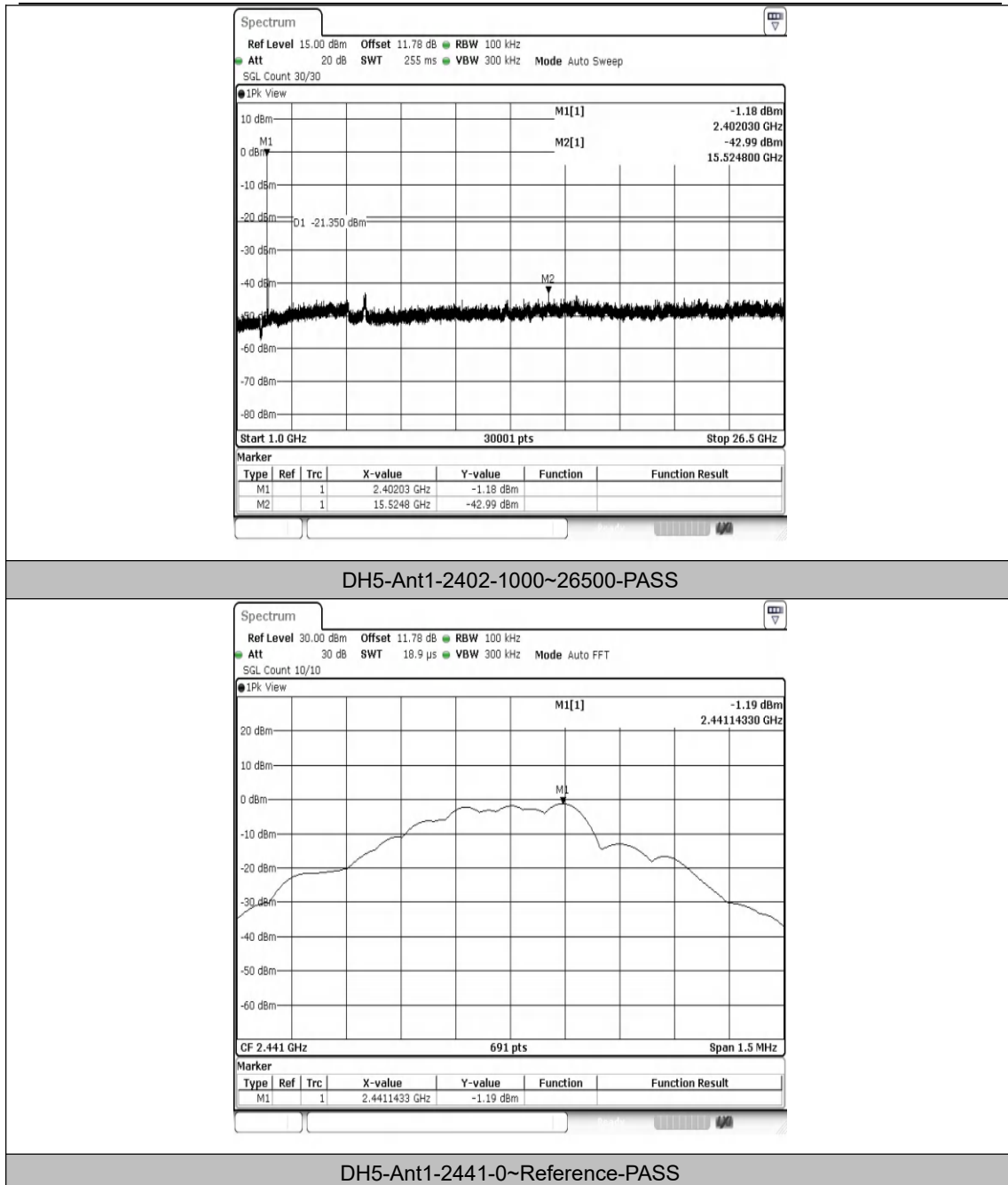
Test Result

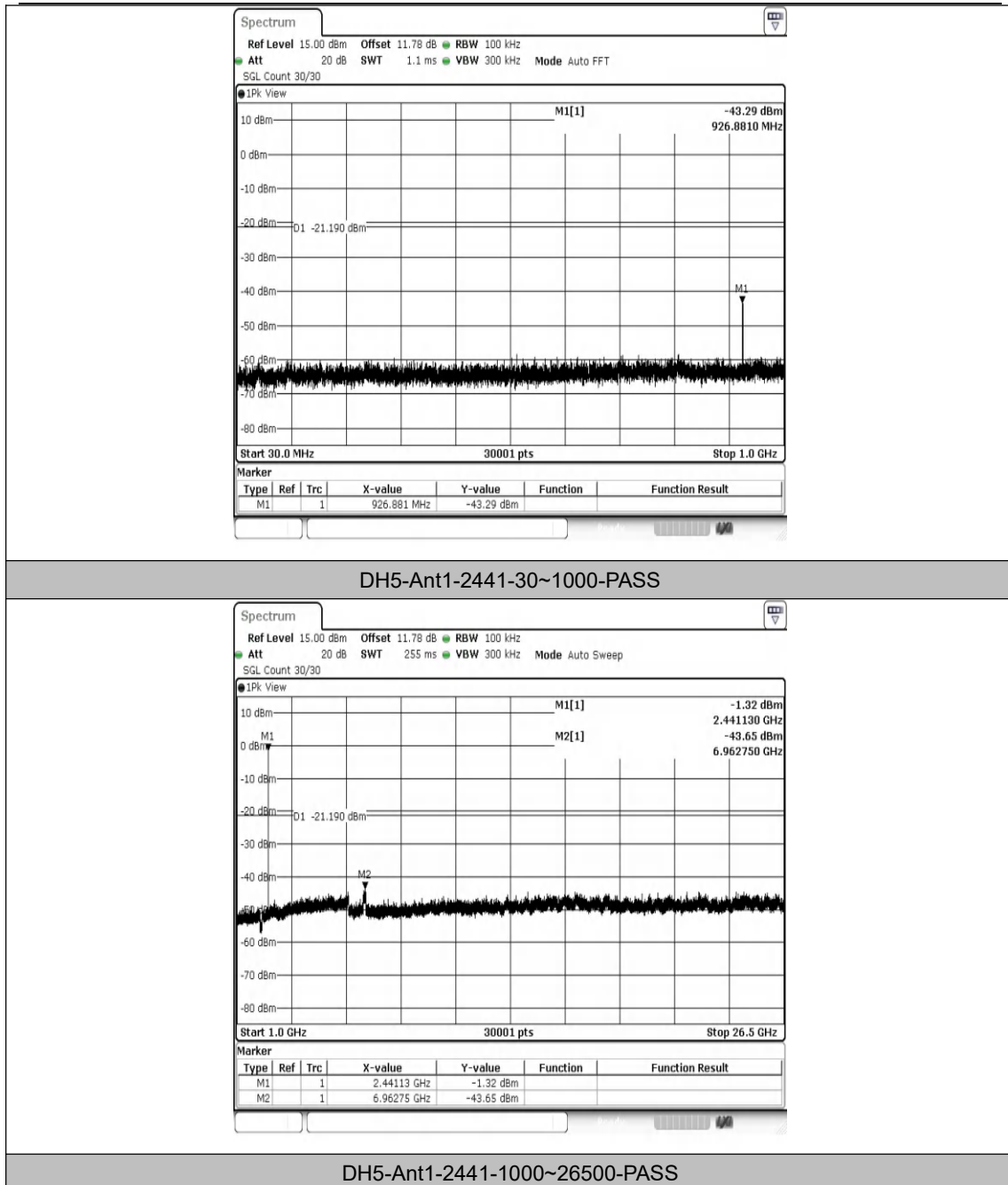
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.35	-1.35	---	PASS
DH5	Ant1	2402	30~1000	-1.35	-42.66	≤-21.35	PASS
DH5	Ant1	2402	1000~26500	-1.35	-42.99	≤-21.35	PASS
DH5	Ant1	2441	0~Reference	-1.19	-1.19	---	PASS
DH5	Ant1	2441	30~1000	-1.19	-43.29	≤-21.19	PASS
DH5	Ant1	2441	1000~26500	-1.19	-43.65	≤-21.19	PASS
DH5	Ant1	2480	0~Reference	-2.20	-2.20	---	PASS
DH5	Ant1	2480	30~1000	-2.20	-41.93	≤-22.2	PASS
DH5	Ant1	2480	1000~26500	-2.20	-43.63	≤-22.2	PASS
2DH5	Ant1	2402	0~Reference	-6.24	-6.24	---	PASS
2DH5	Ant1	2402	30~1000	-6.24	-46.3	≤-26.24	PASS
2DH5	Ant1	2402	1000~26500	-6.24	-43.69	≤-26.24	PASS
2DH5	Ant1	2441	0~Reference	-2.02	-2.02	---	PASS
2DH5	Ant1	2441	30~1000	-2.02	-42.8	≤-22.02	PASS
2DH5	Ant1	2441	1000~26500	-2.02	-44.12	≤-22.02	PASS
2DH5	Ant1	2480	0~Reference	-5.18	-5.18	---	PASS
2DH5	Ant1	2480	30~1000	-5.18	-48.83	≤-25.18	PASS
2DH5	Ant1	2480	1000~26500	-5.18	-43.79	≤-25.18	PASS
3DH5	Ant1	2402	0~Reference	-1.96	-1.96	---	PASS
3DH5	Ant1	2402	30~1000	-1.96	-45.9	≤-21.96	PASS
3DH5	Ant1	2402	1000~26500	-1.96	-43.71	≤-21.96	PASS
3DH5	Ant1	2441	0~Reference	-5.10	-5.10	---	PASS
3DH5	Ant1	2441	30~1000	-5.10	-47.67	≤-25.1	PASS
3DH5	Ant1	2441	1000~26500	-5.10	-42.76	≤-25.1	PASS
3DH5	Ant1	2480	0~Reference	-4.10	-4.10	---	PASS
3DH5	Ant1	2480	30~1000	-4.10	-48.36	≤-24.1	PASS
3DH5	Ant1	2480	1000~26500	-4.10	-39.67	≤-24.1	PASS



Test Graphs



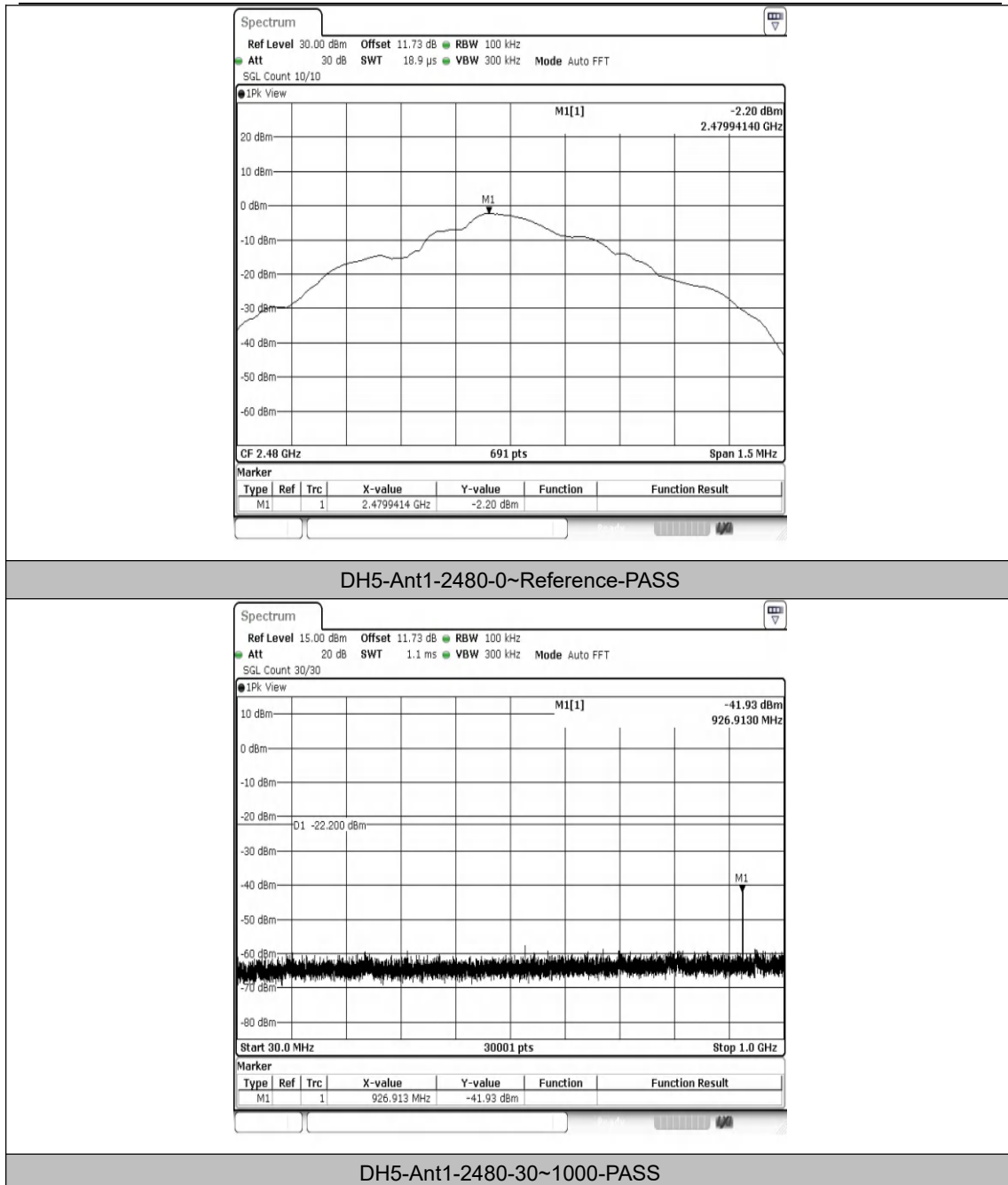




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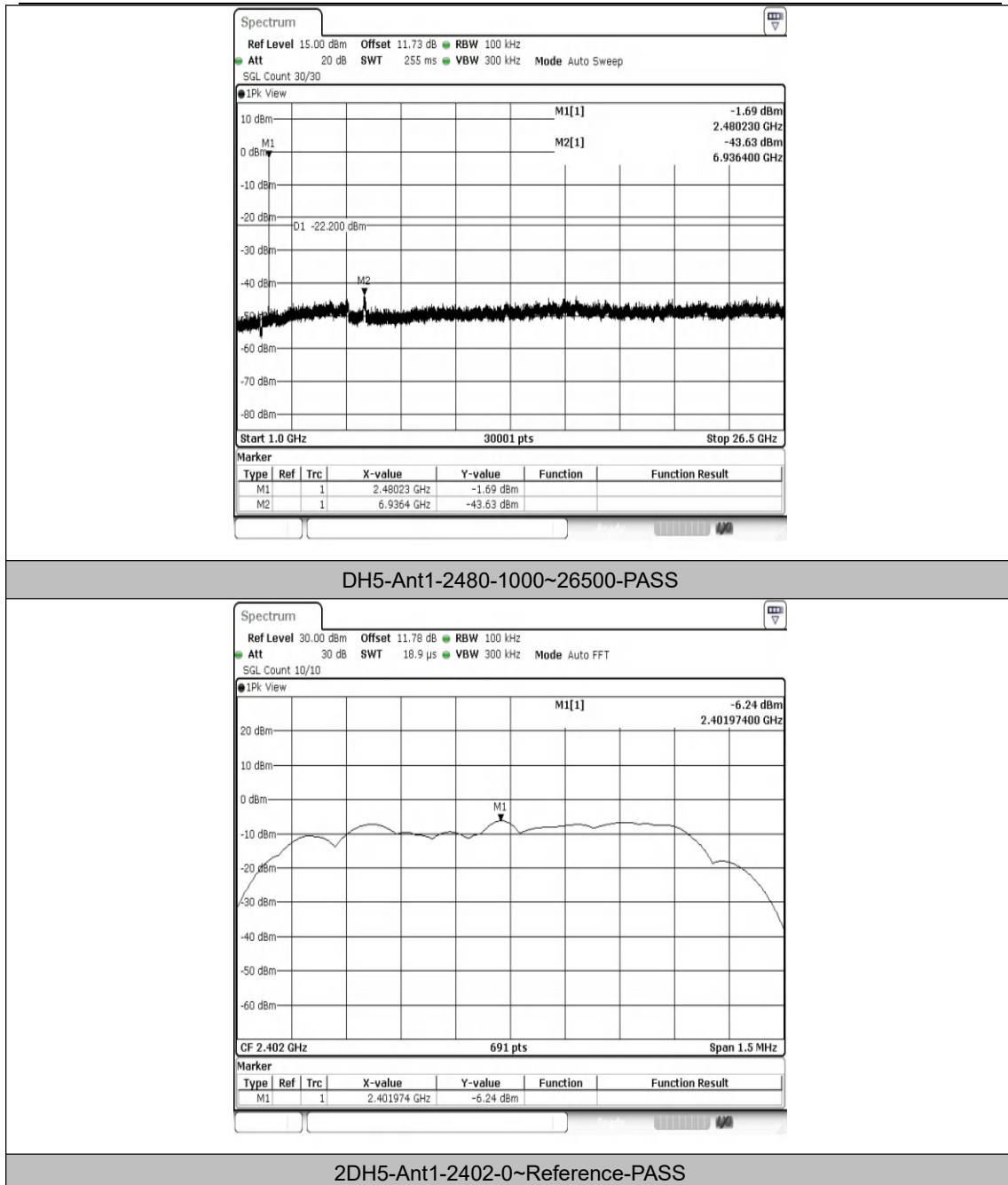
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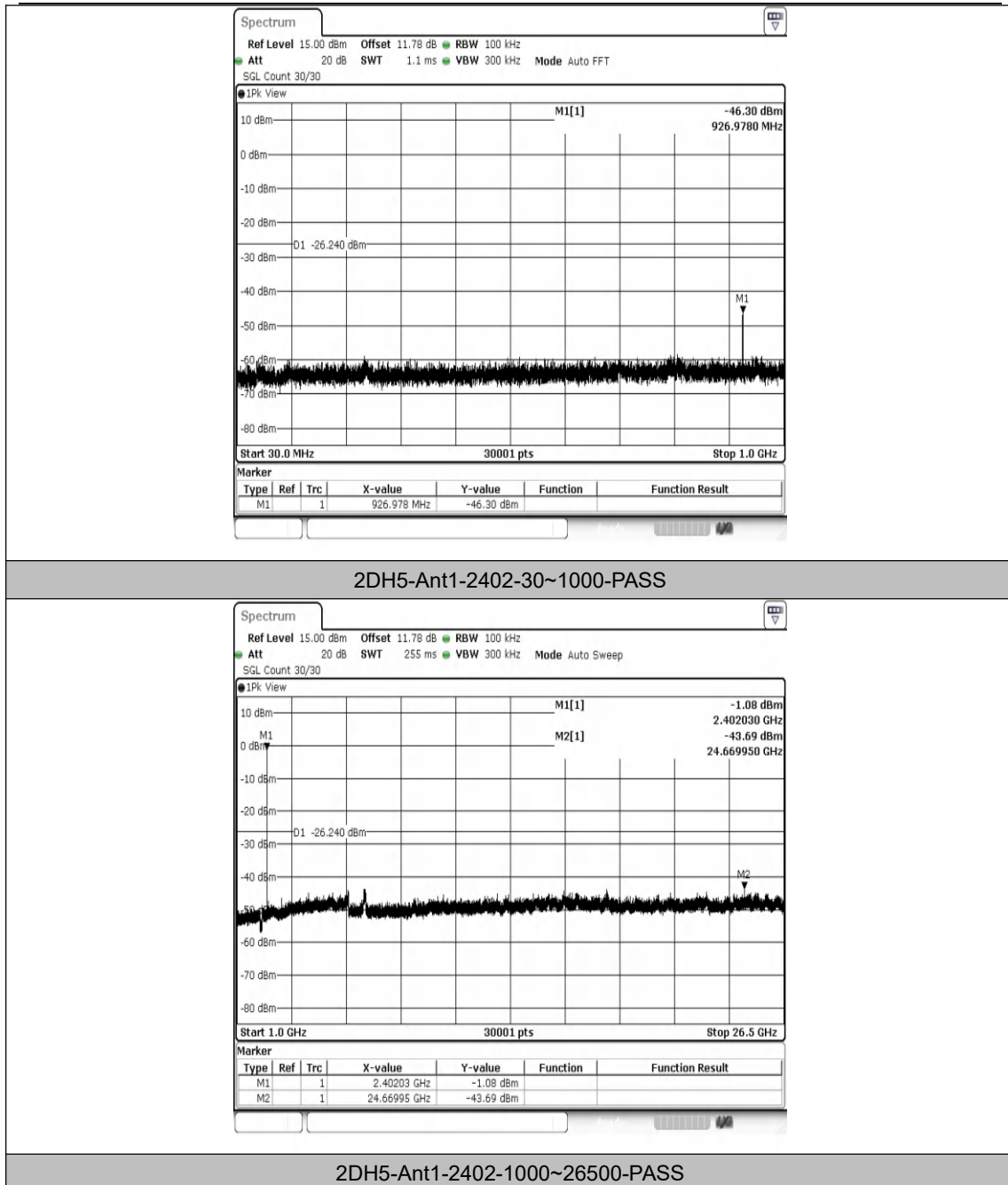


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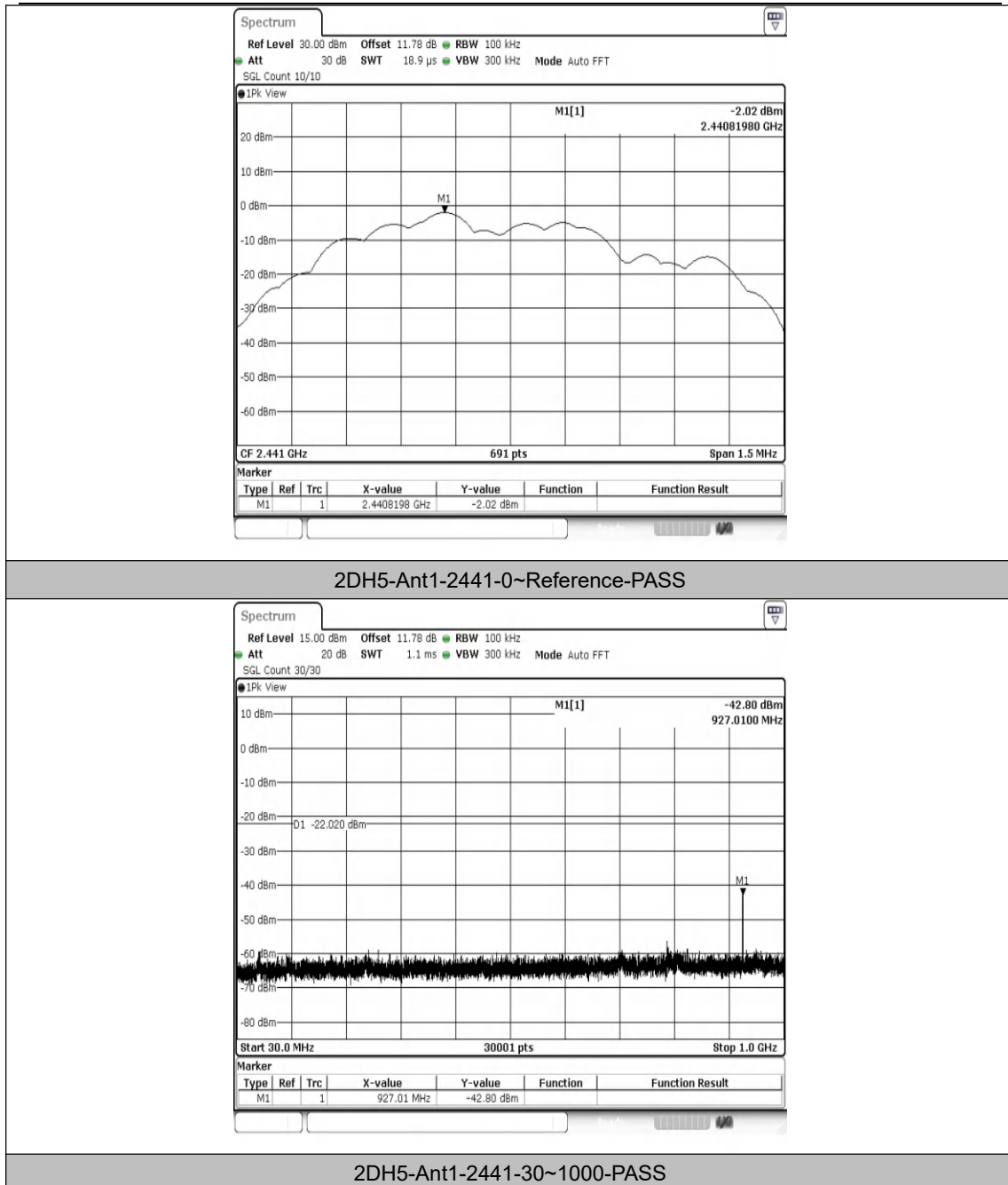


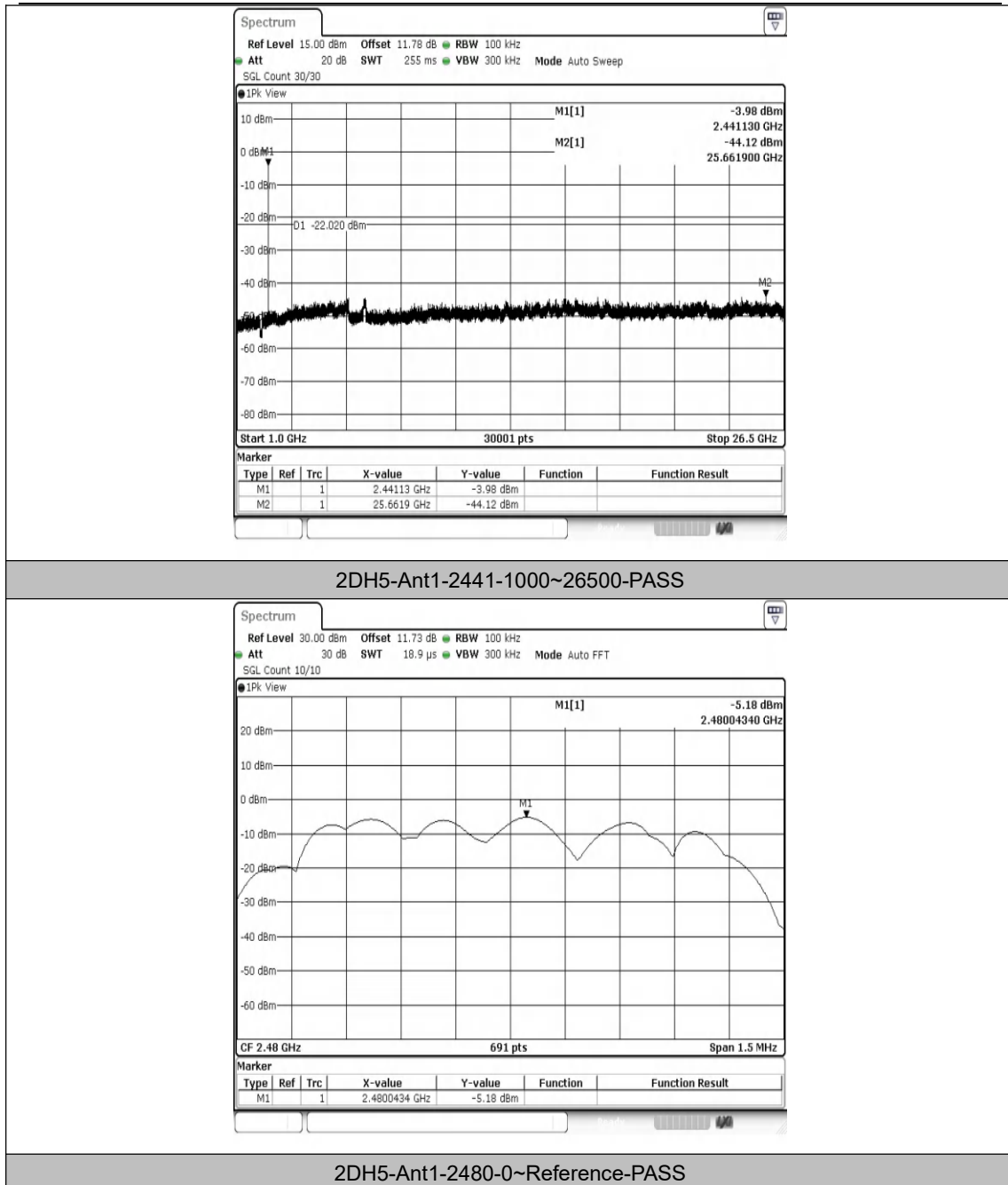


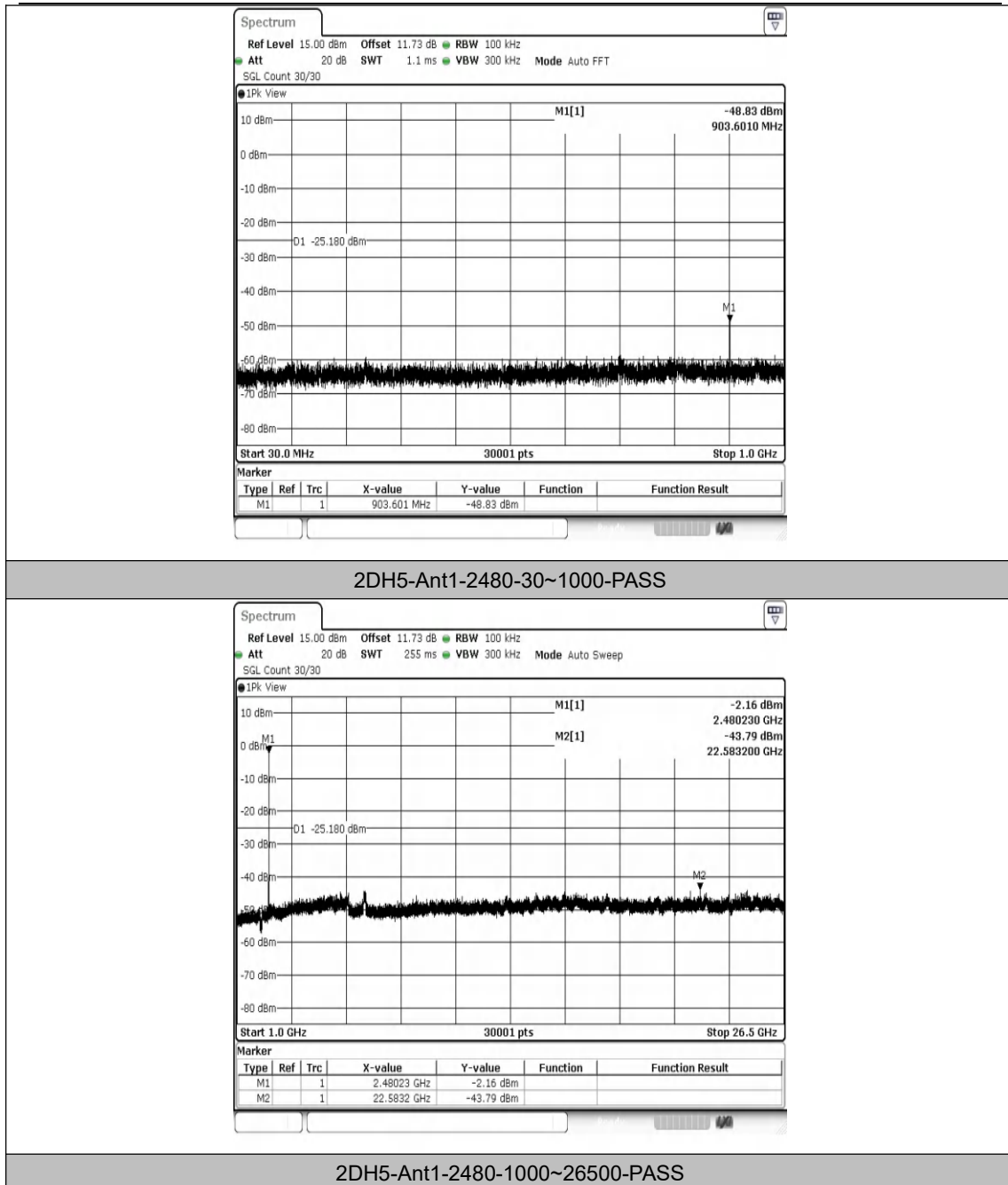
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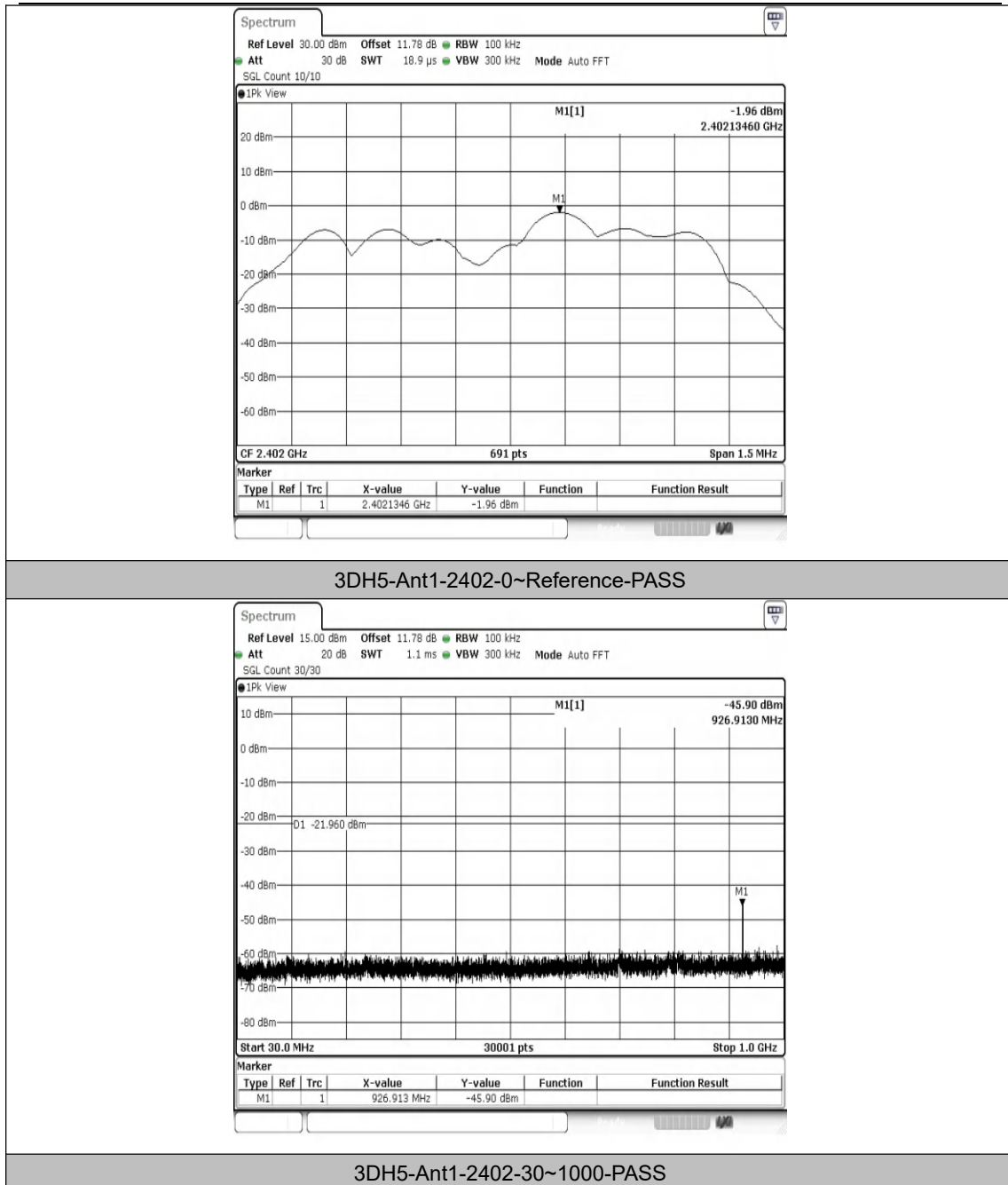




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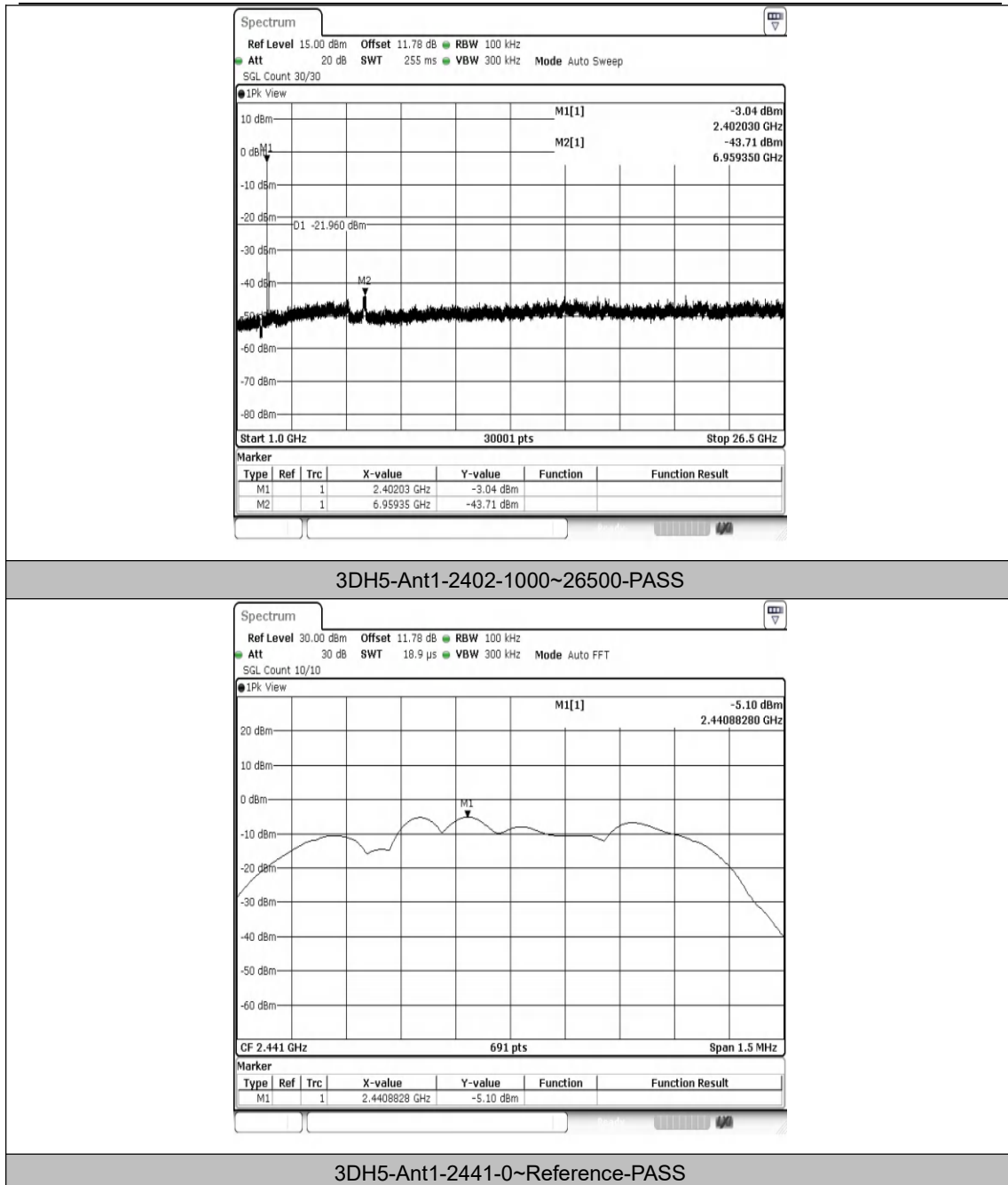
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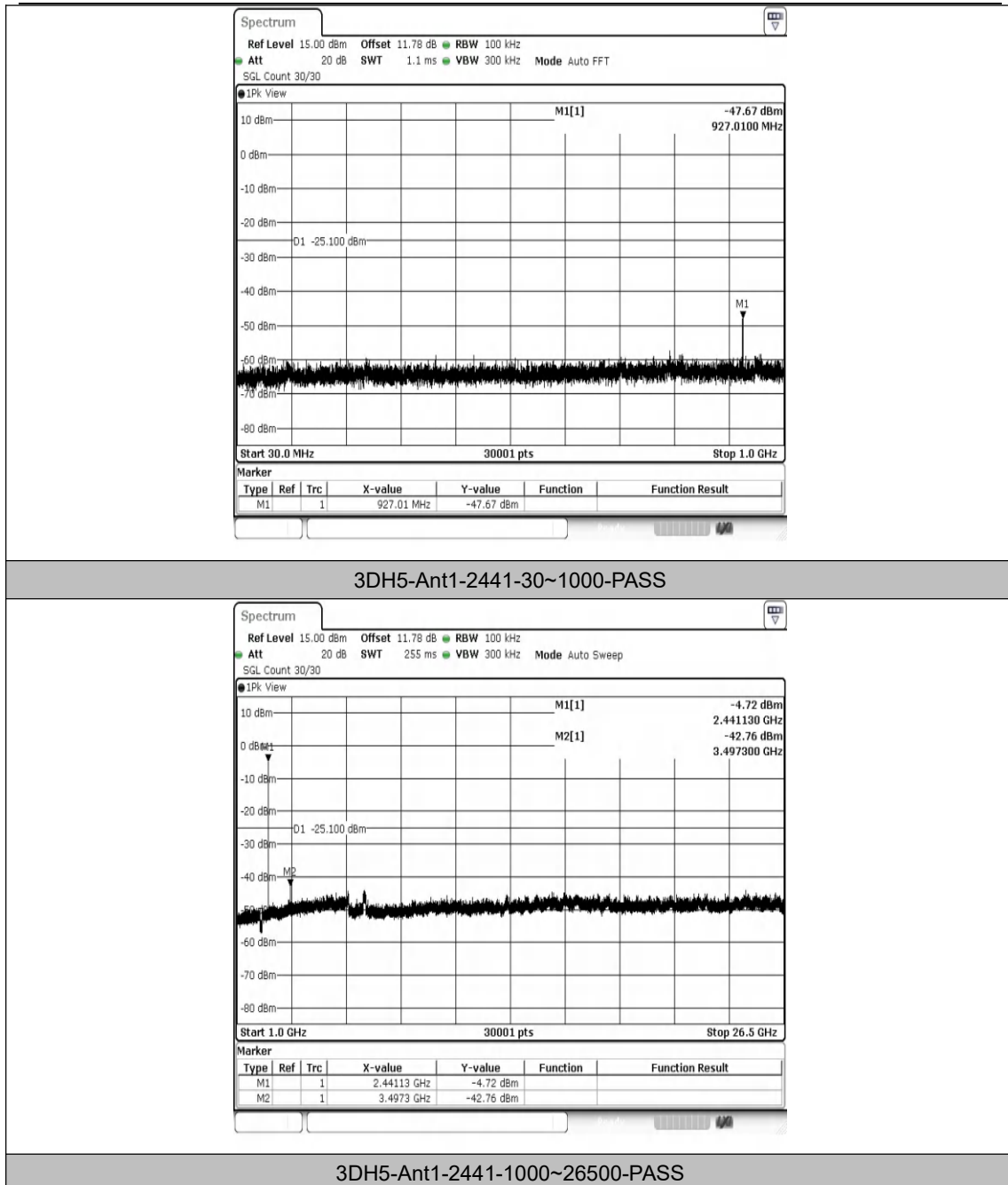


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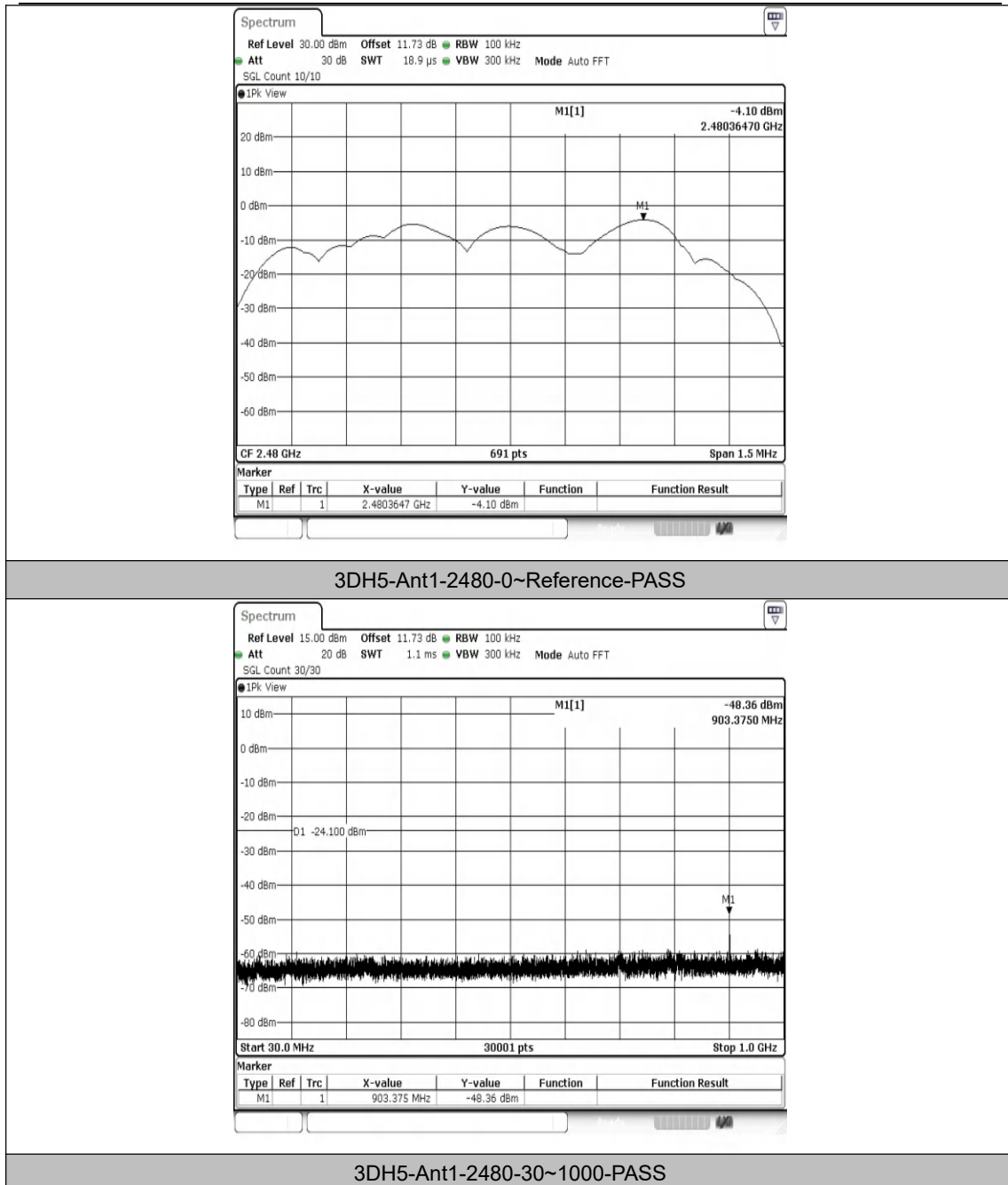


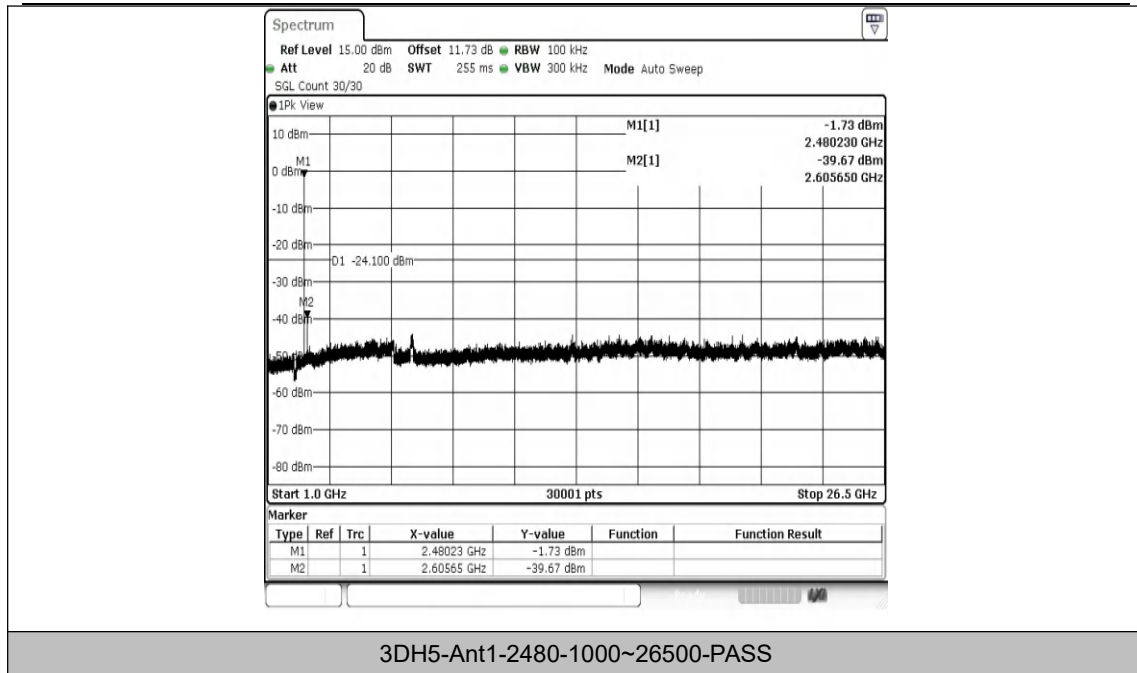


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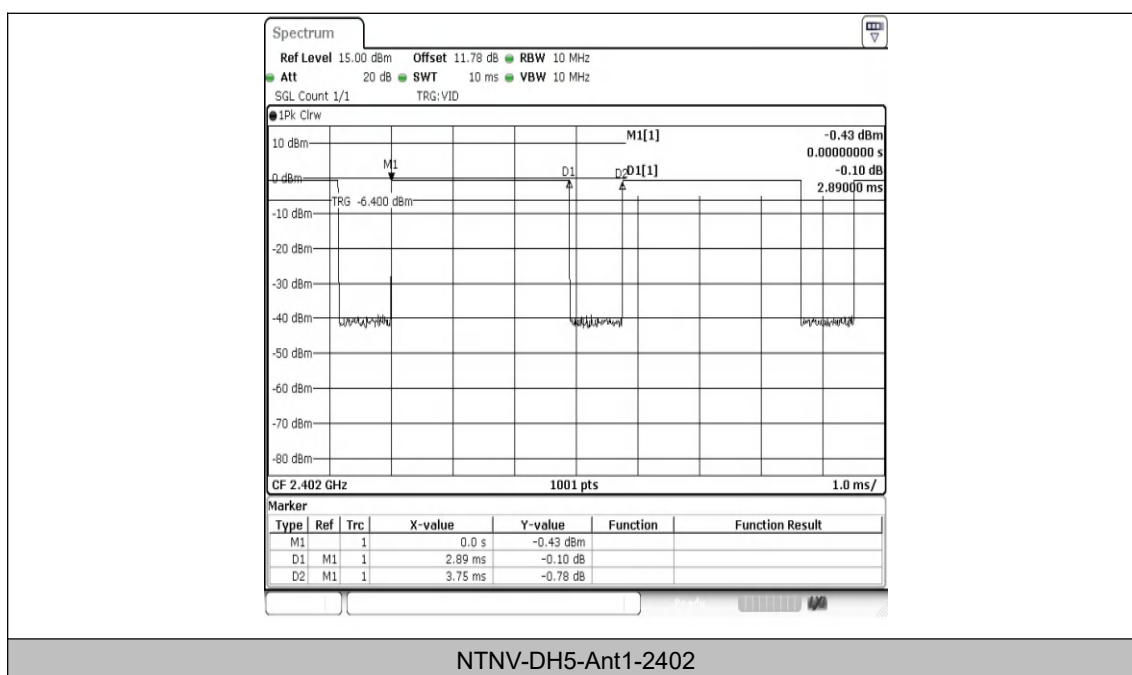
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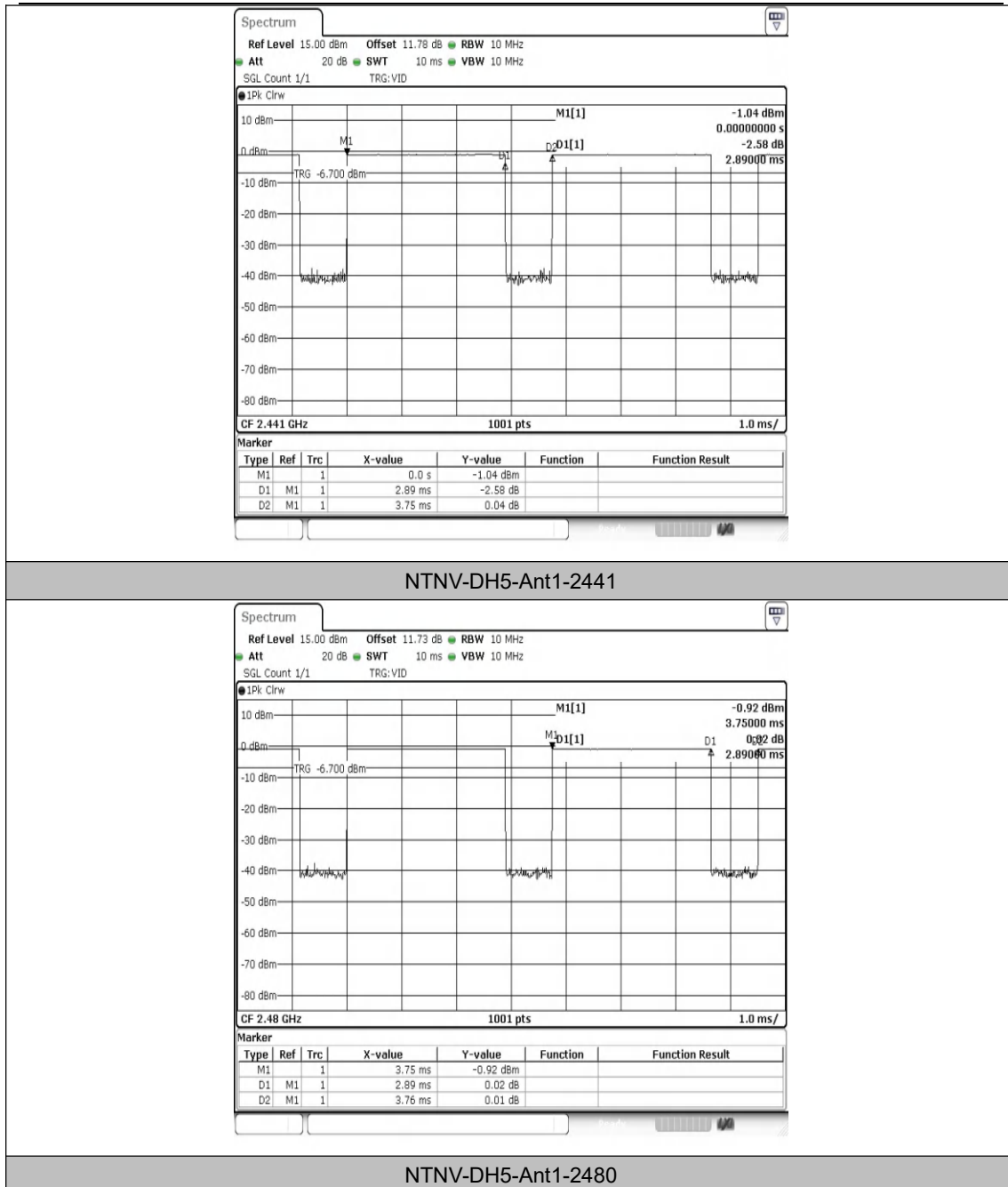
Appendix I: Duty Cycle

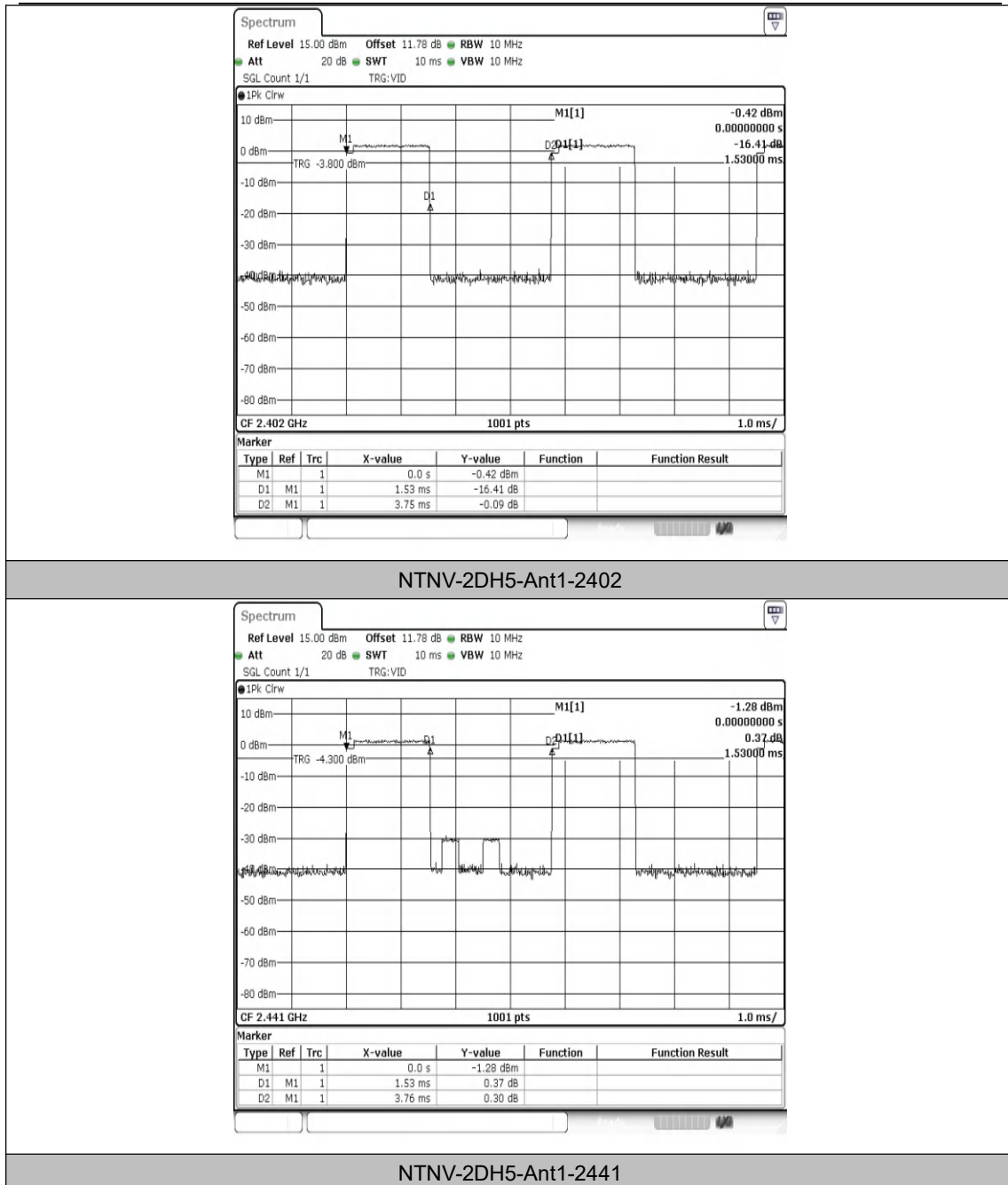
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.76	76.86	1.14
2DH5	Ant1	2402	1.53	3.75	40.80	3.89
2DH5	Ant1	2441	1.53	3.76	40.69	3.91
2DH5	Ant1	2480	1.53	3.76	40.69	3.91
3DH5	Ant1	2402	1.07	3.76	28.46	5.46
3DH5	Ant1	2441	1.07	3.75	28.53	5.45
3DH5	Ant1	2480	1.07	3.75	28.53	5.45

Test Graphs



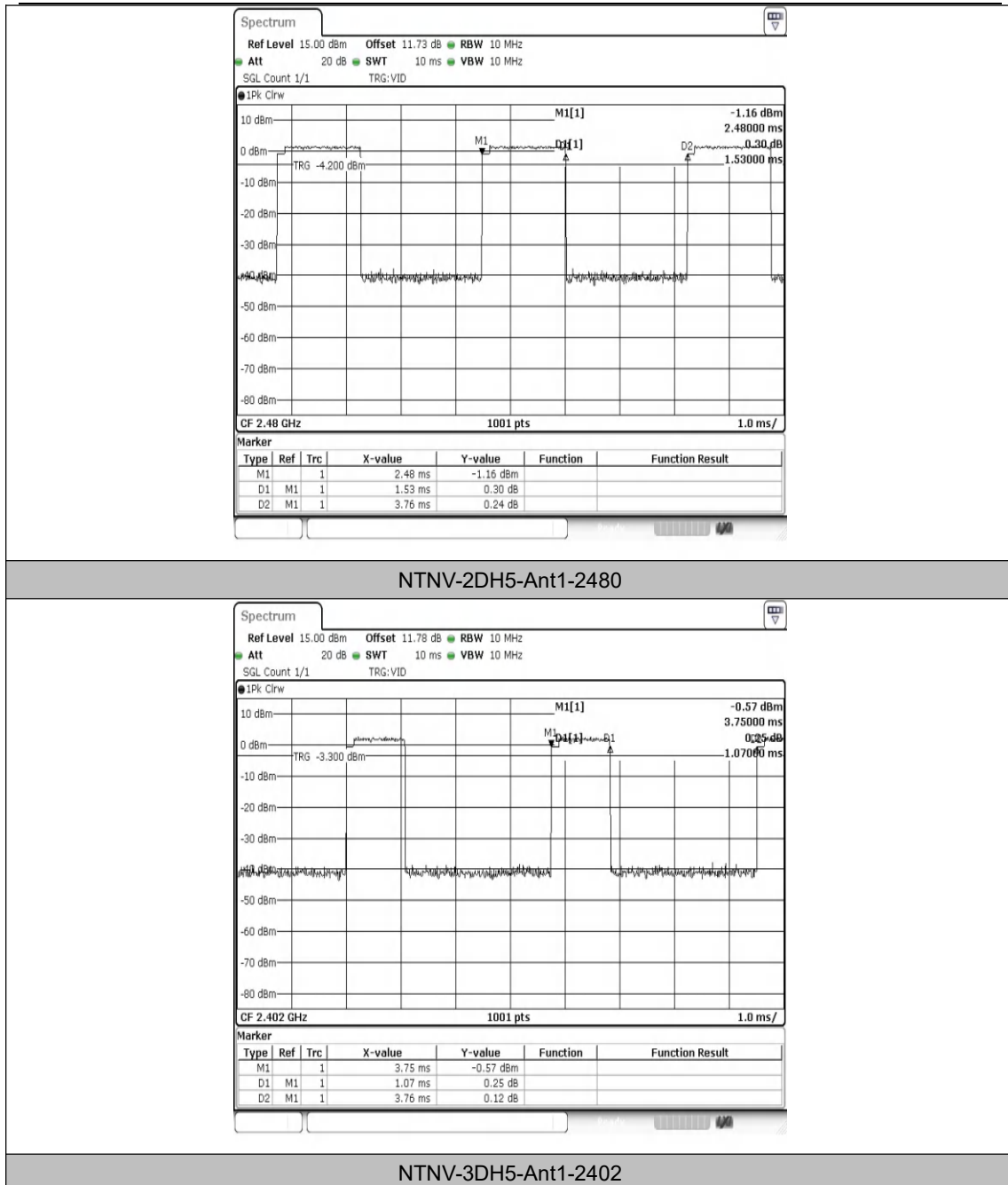


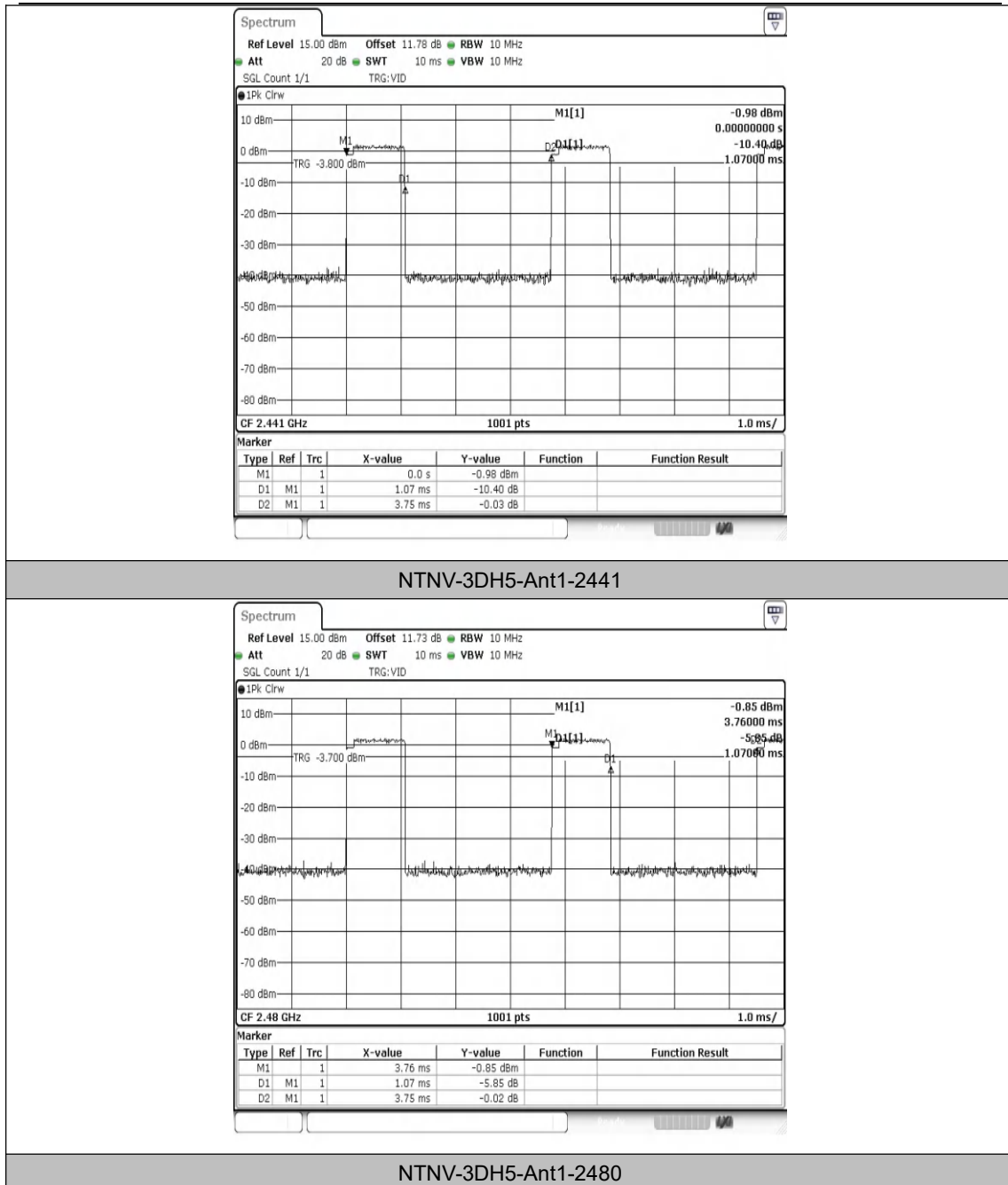


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