

Appendix Test Data

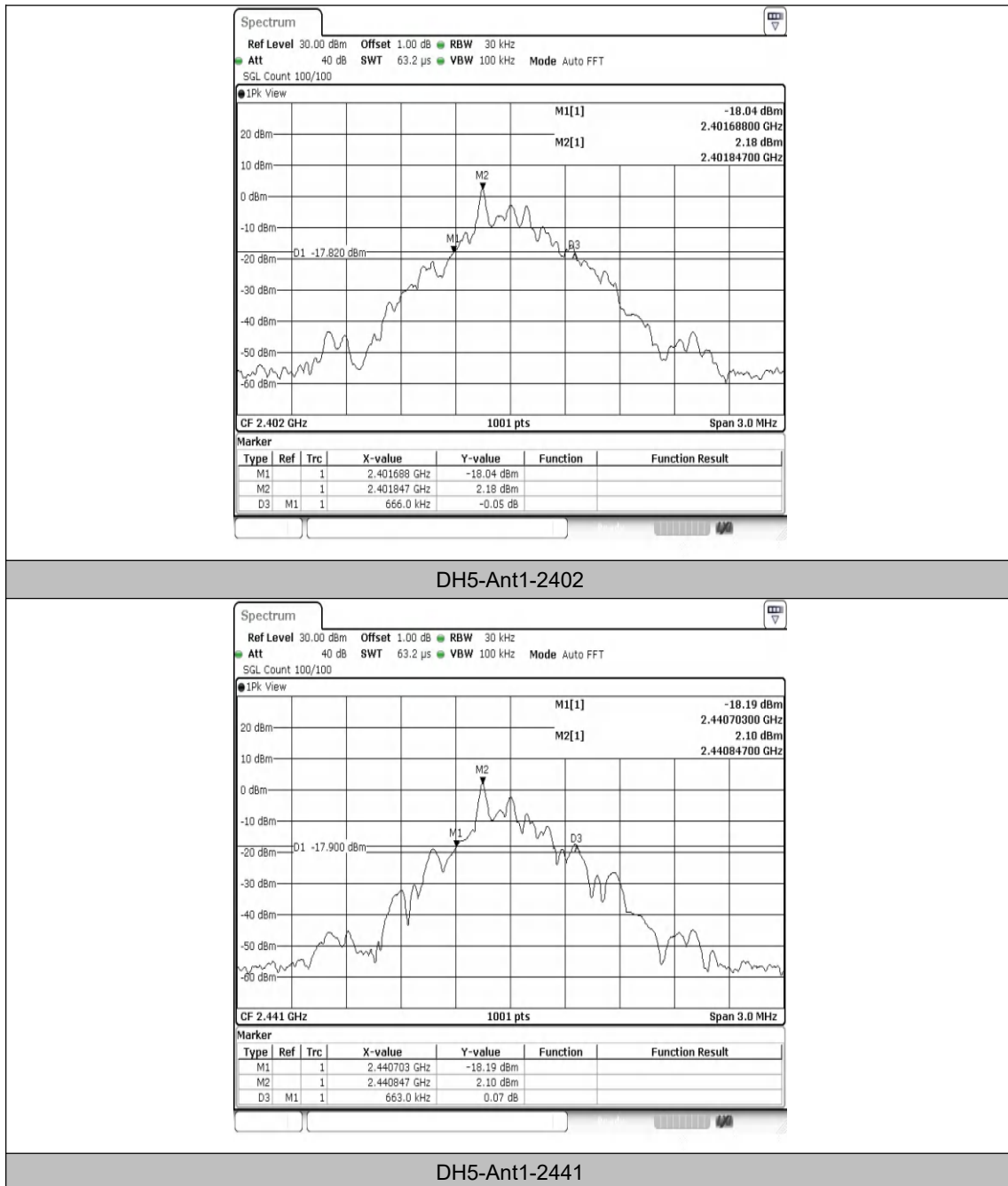
Report No.:	1812C50023312501	Test Sample No.:	1-2-2
Start Test Date:	2025-1-16	Finish Test Date:	2025-5-19
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	23.0°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.67	2401.69	2402.35	---	---
DH5	Ant1	2441	0.66	2440.70	2441.37	---	---
DH5	Ant1	2480	0.65	2479.71	2480.36	---	---
2DH5	Ant1	2402	1.05	2401.47	2402.53	---	---
2DH5	Ant1	2441	1.04	2440.48	2441.52	---	---
2DH5	Ant1	2480	1.11	2479.44	2480.55	---	---
3DH5	Ant1	2402	0.72	2401.65	2402.37	---	---
3DH5	Ant1	2441	0.66	2440.70	2441.36	---	---
3DH5	Ant1	2480	1.07	2479.46	2480.53	---	---

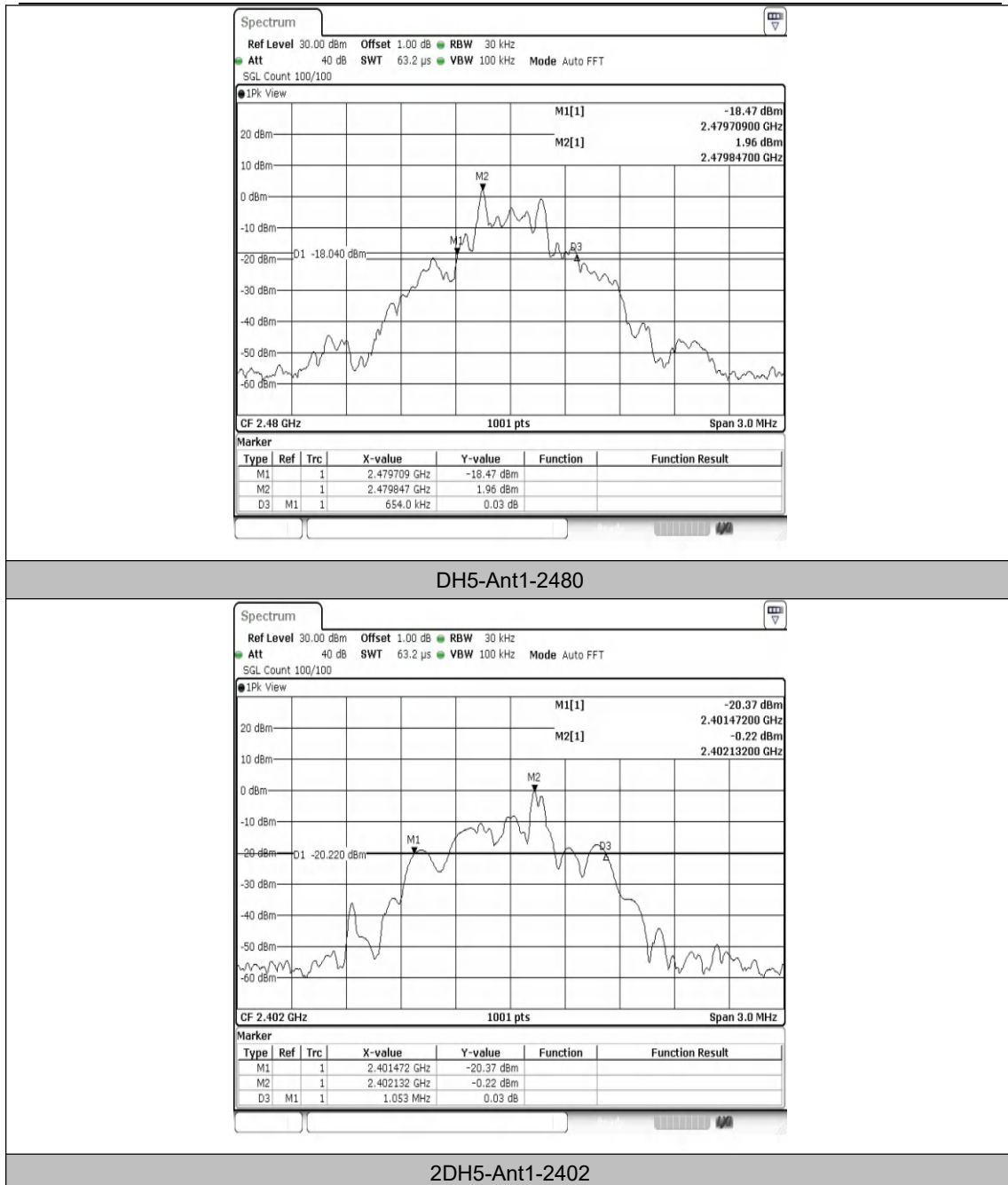
Test Graphs

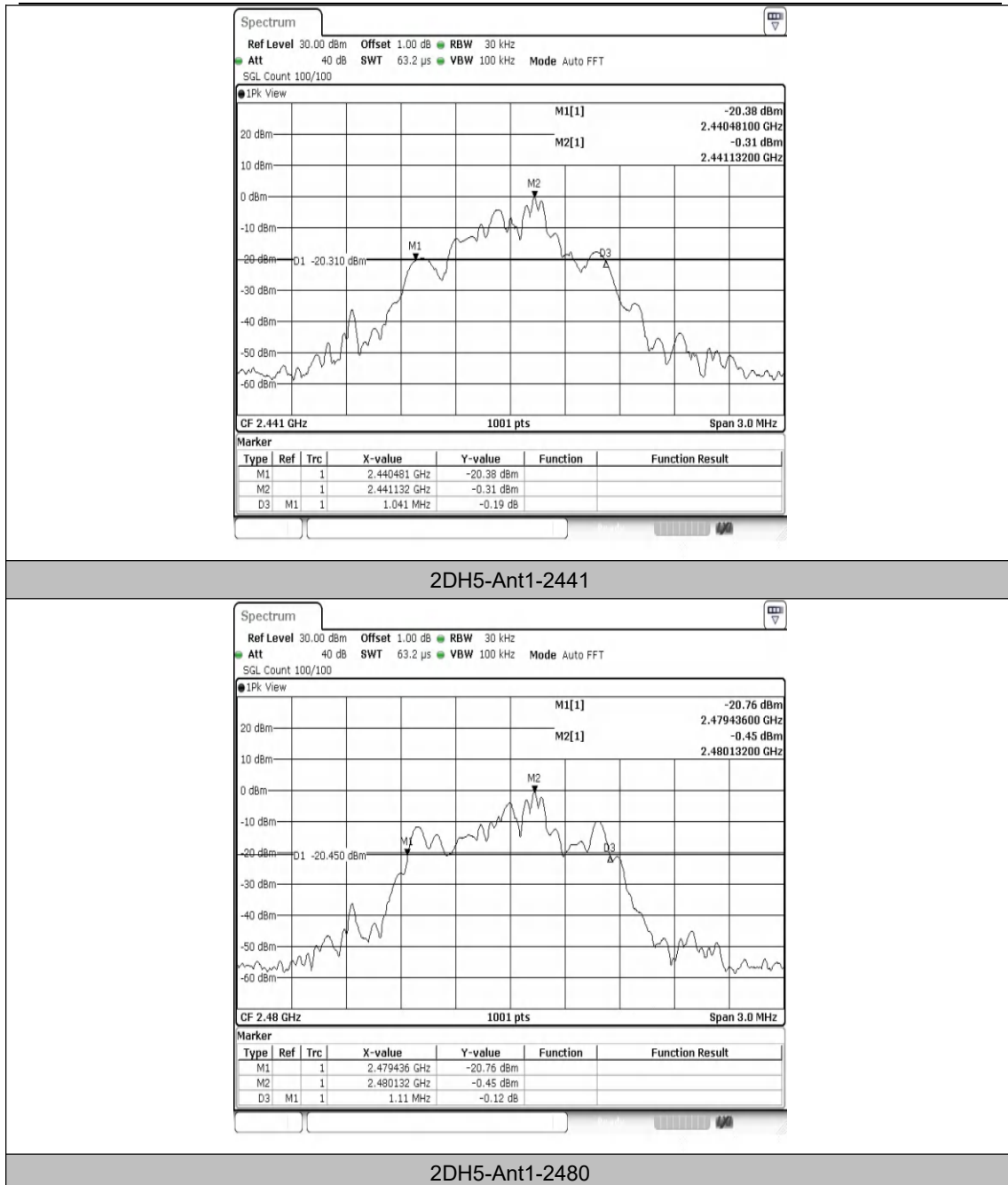


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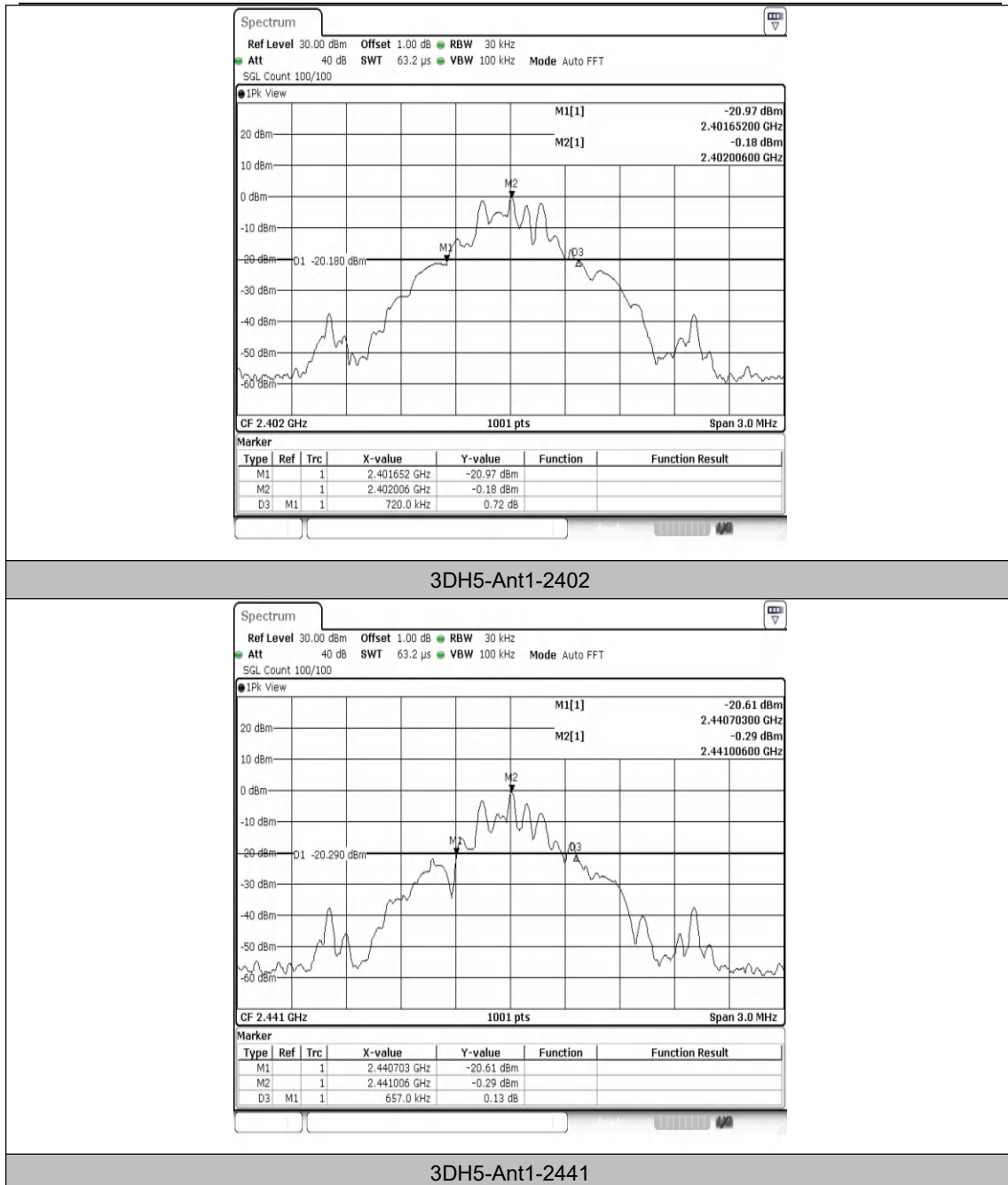


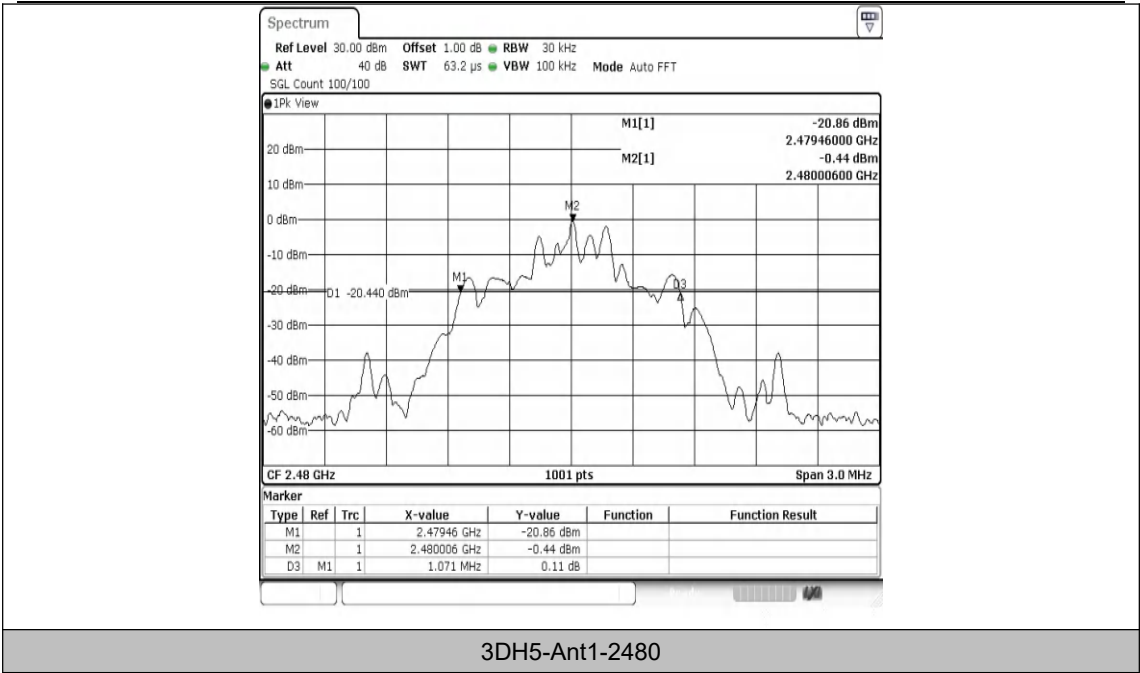


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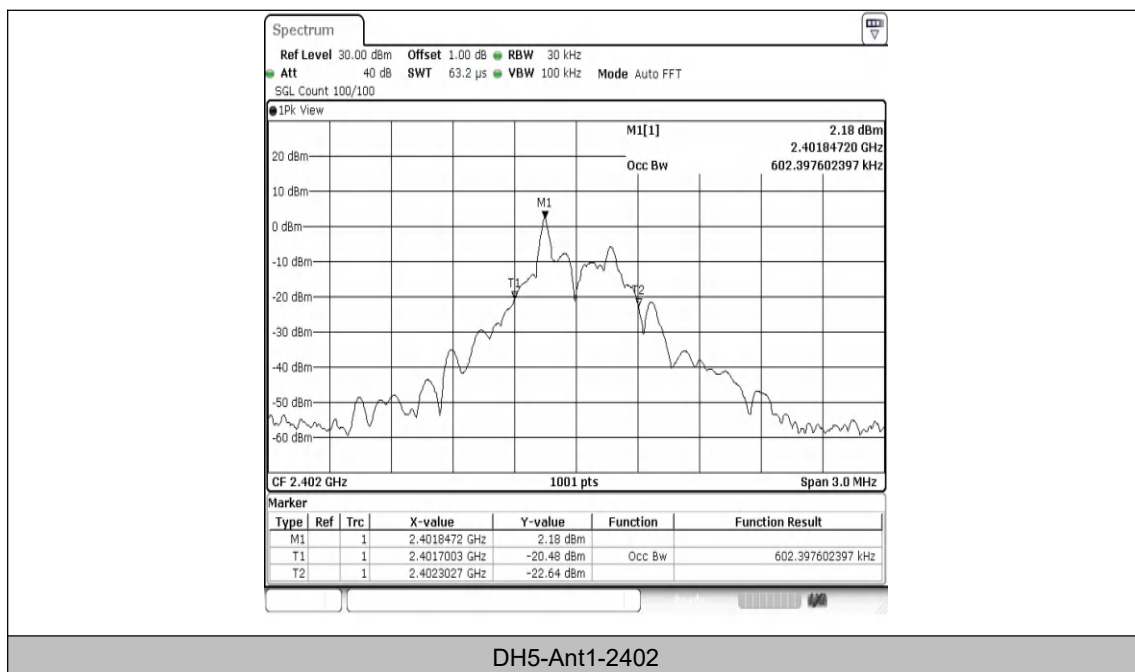
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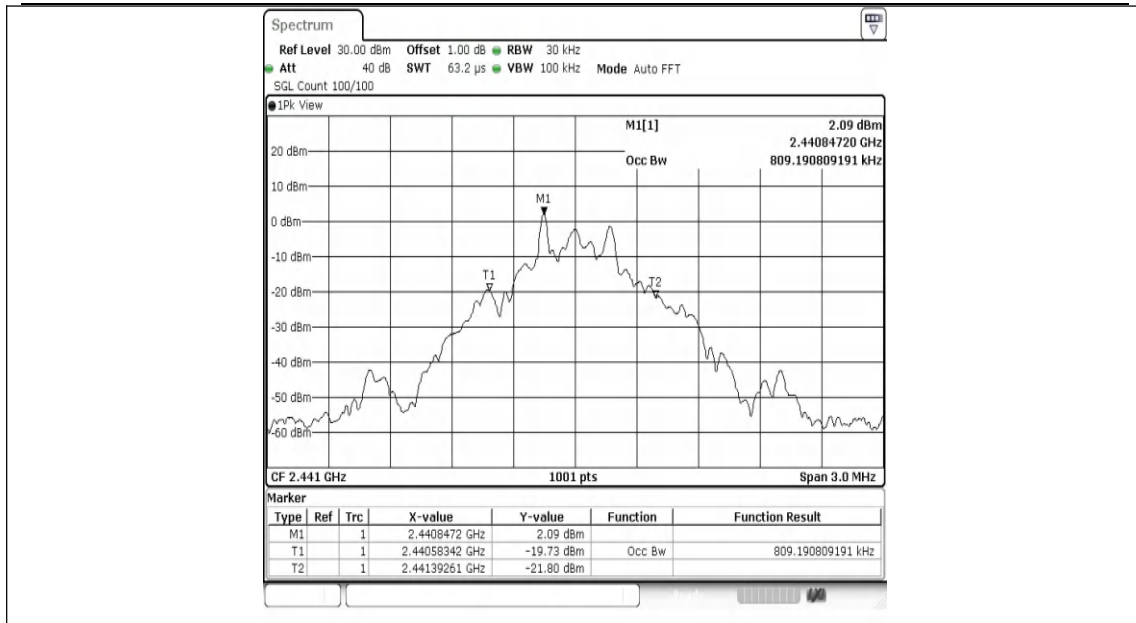
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.60240	2401.7003	2402.3027	---	---
DH5	Ant1	2441	0.80919	2440.5834	2441.3926	---	---
DH5	Ant1	2480	0.73427	2479.6553	2480.3896	---	---
2DH5	Ant1	2402	1.0699	2401.4575	2402.5275	---	---
2DH5	Ant1	2441	1.0040	2440.4965	2441.5005	---	---
2DH5	Ant1	2480	1.1089	2479.4515	2480.5604	---	---
3DH5	Ant1	2402	0.68332	2401.6643	2402.3477	---	---
3DH5	Ant1	2441	0.73127	2440.6464	2441.3776	---	---
3DH5	Ant1	2480	1.0460	2479.4755	2480.5215	---	---

Test Graphs

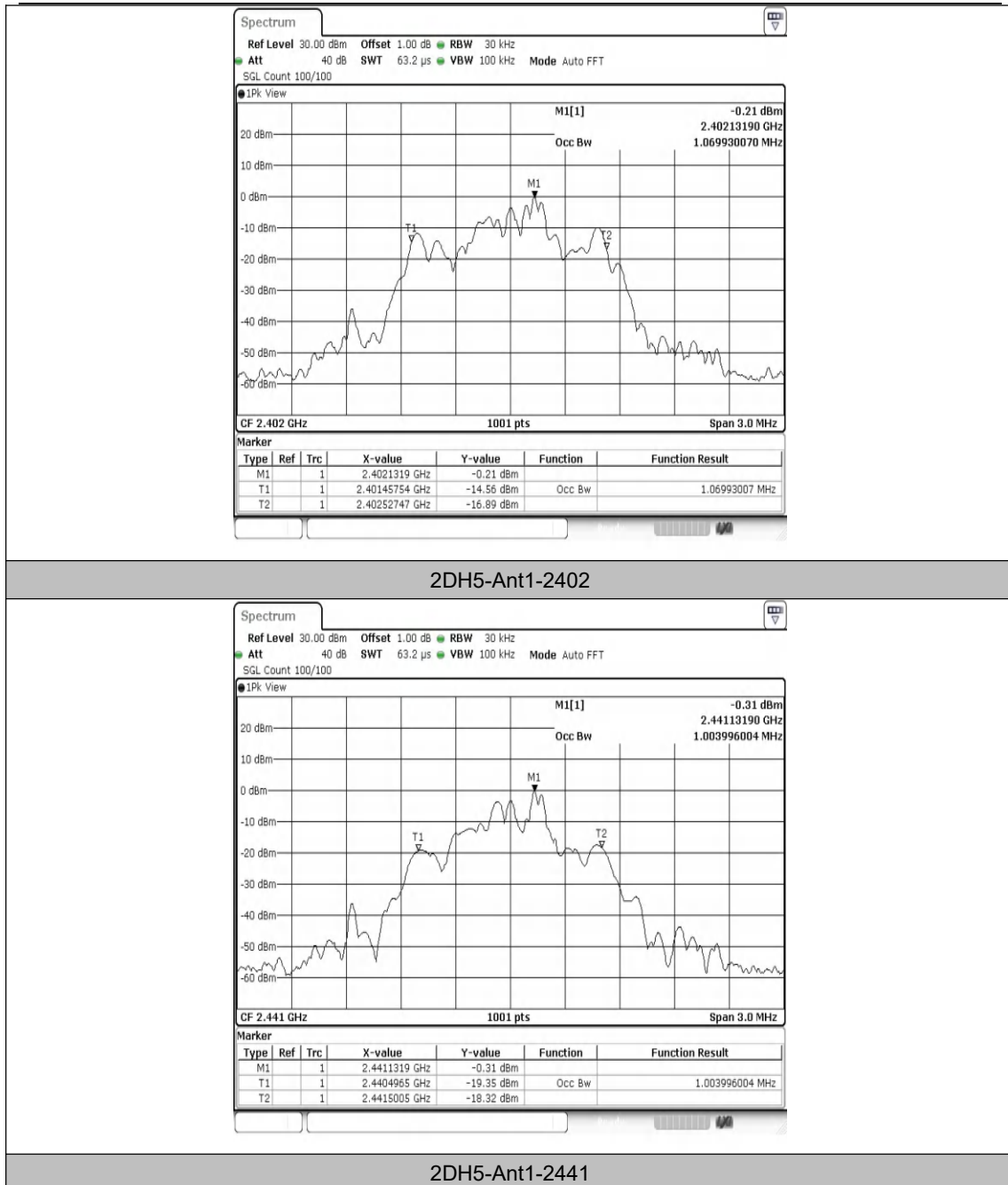




DH5-Ant1-2441



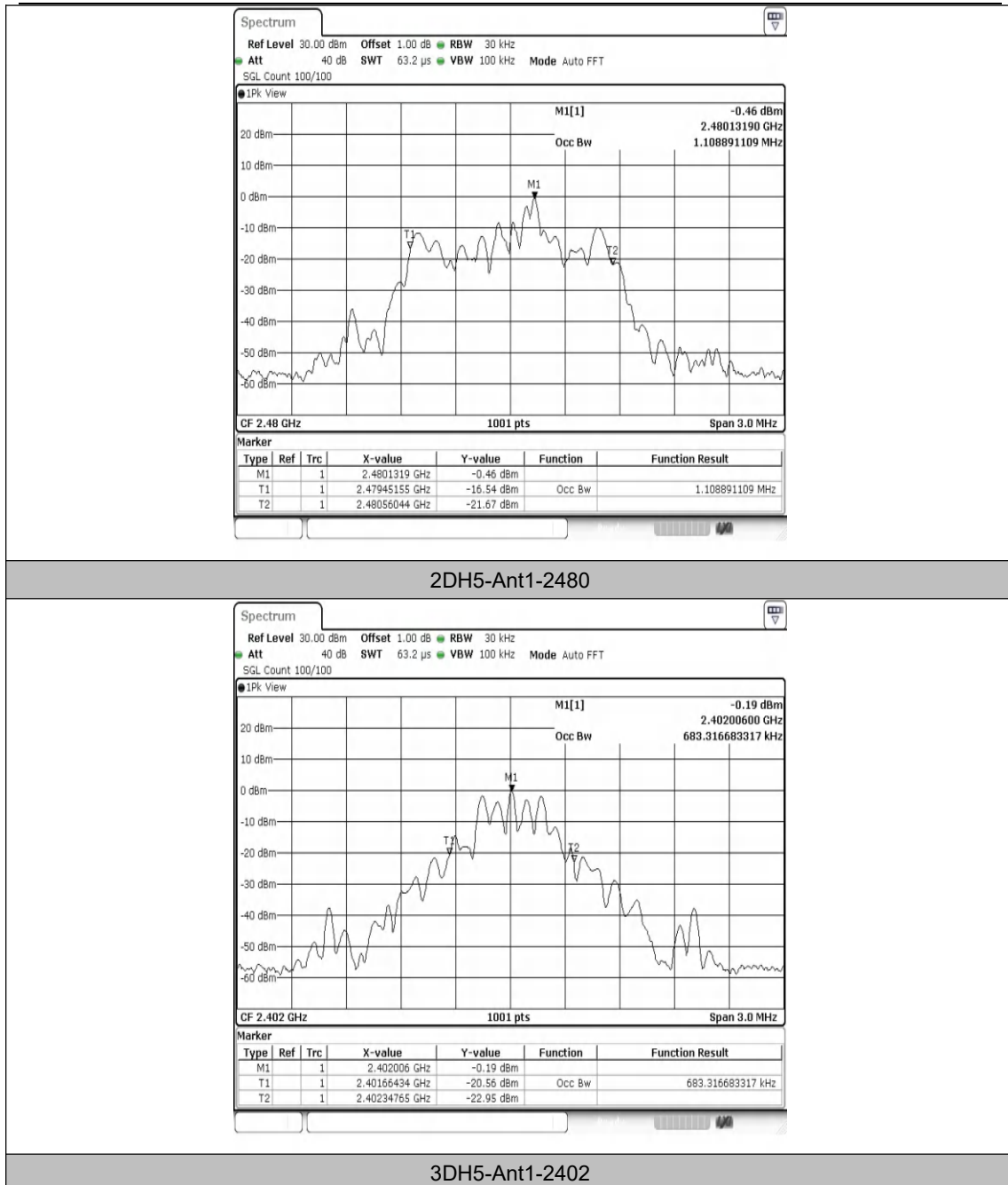
DH5-Ant1-2480

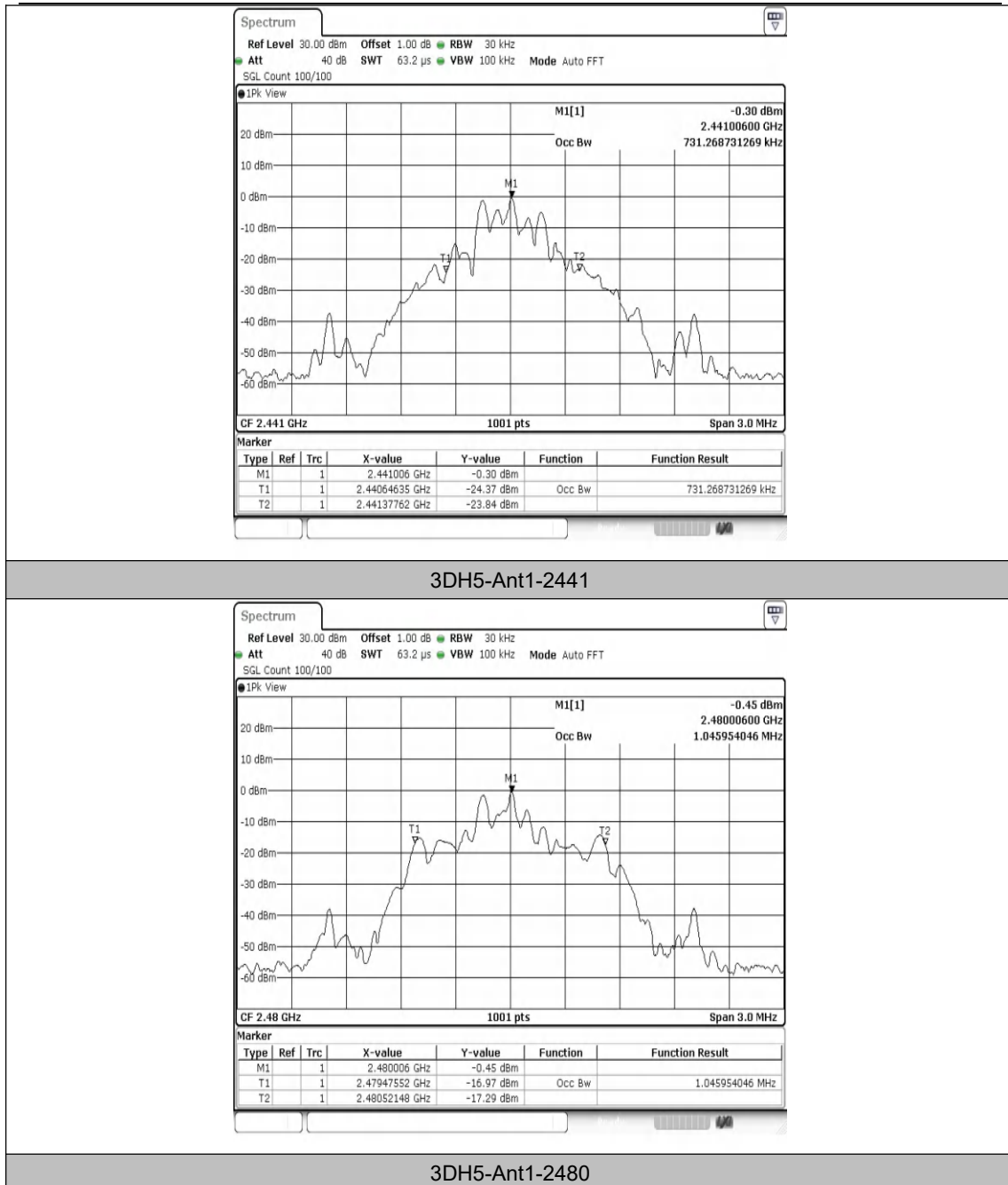


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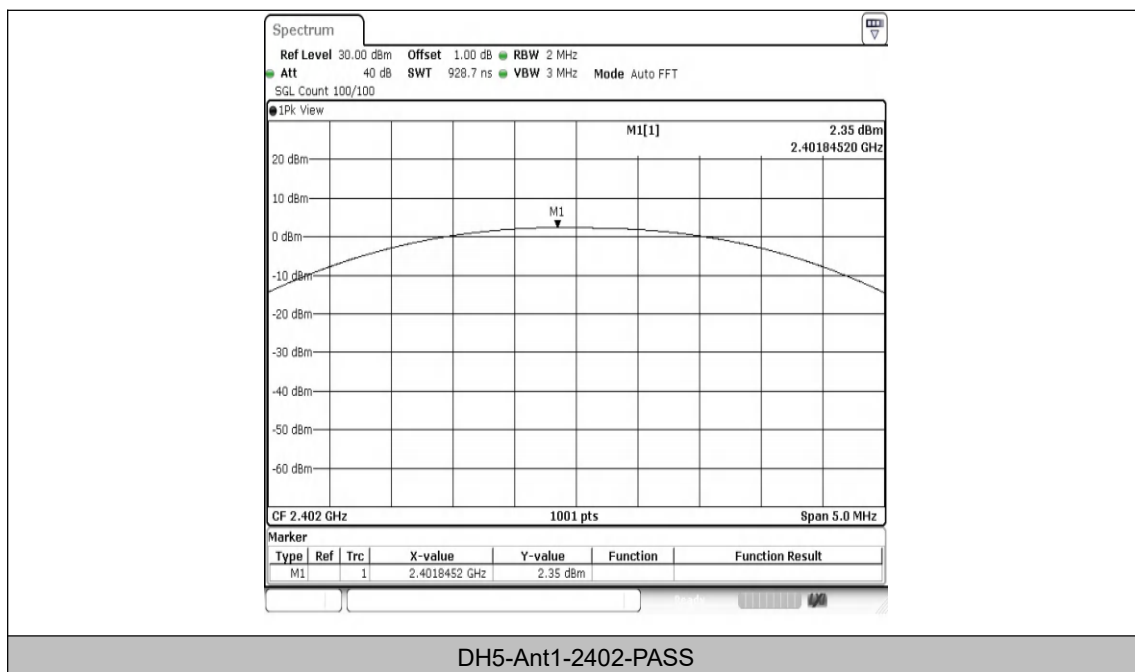


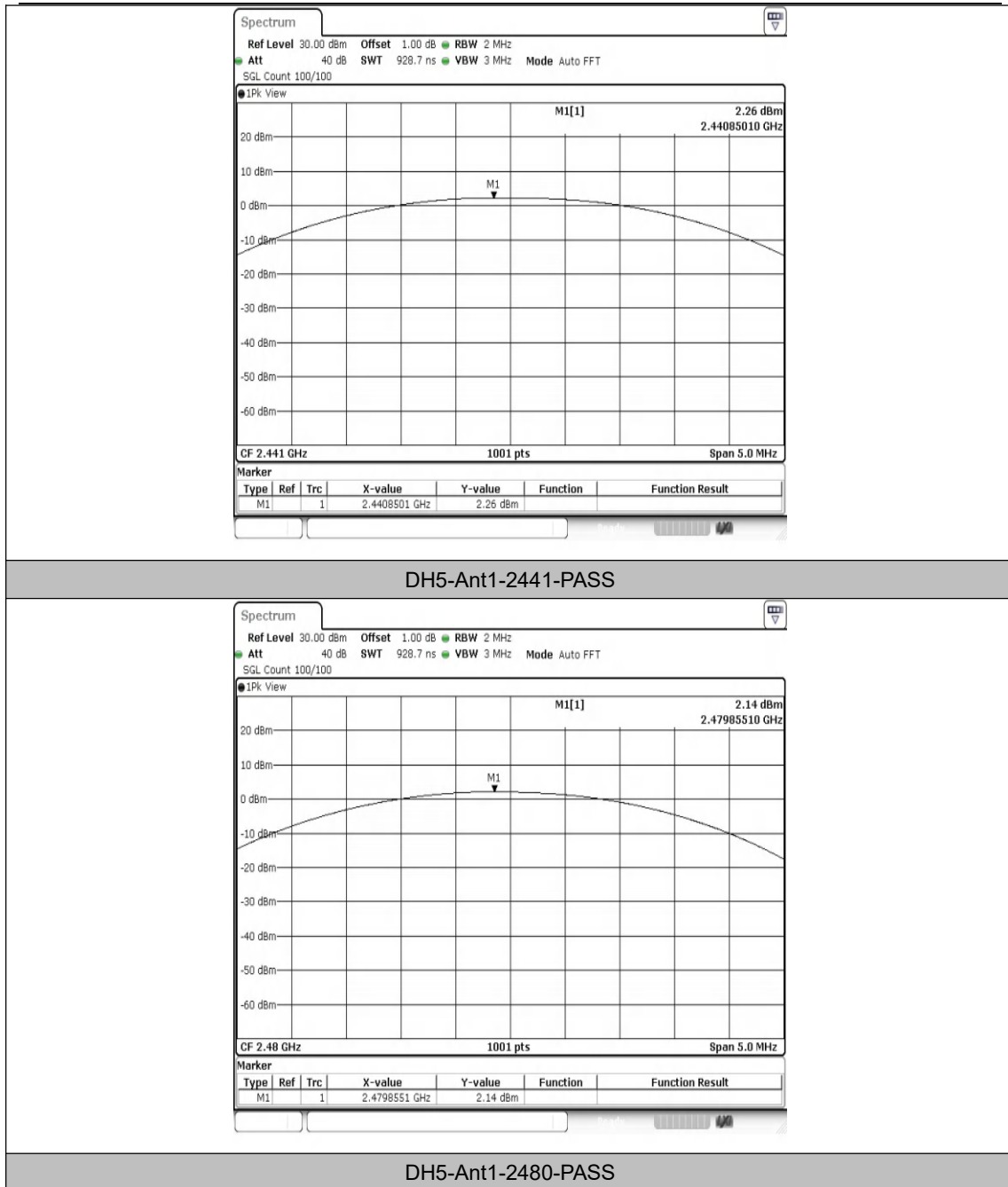
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.35	≤20.97	PASS
DH5	Ant1	2441	2.26	≤20.97	PASS
DH5	Ant1	2480	2.14	≤20.97	PASS
2DH5	Ant1	2402	1.44	≤20.97	PASS
2DH5	Ant1	2441	0.97	≤20.97	PASS
2DH5	Ant1	2480	0.89	≤20.97	PASS
3DH5	Ant1	2402	1.14	≤20.97	PASS
3DH5	Ant1	2441	1.06	≤20.97	PASS
3DH5	Ant1	2480	0.94	≤20.97	PASS

Test Graphs

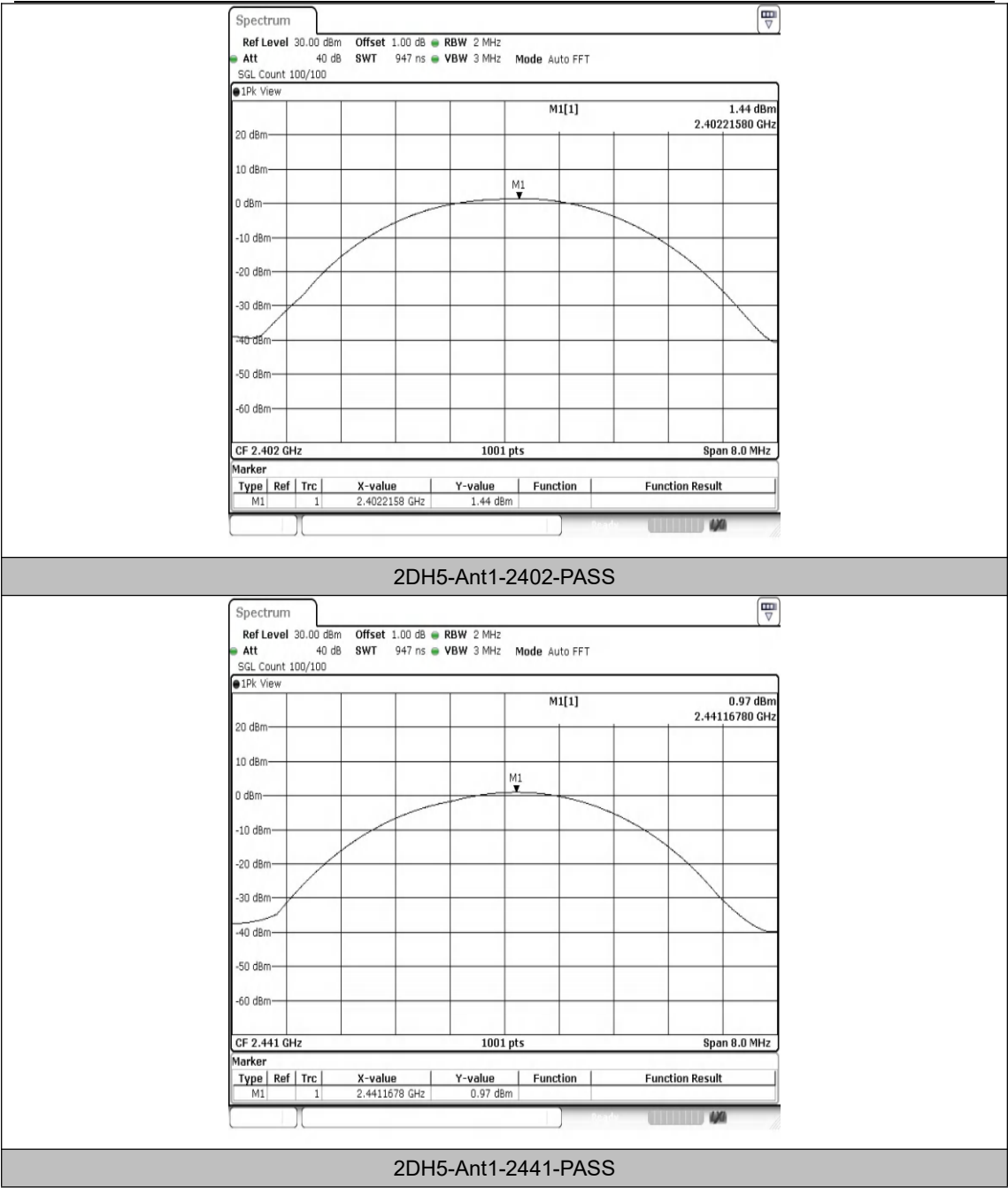




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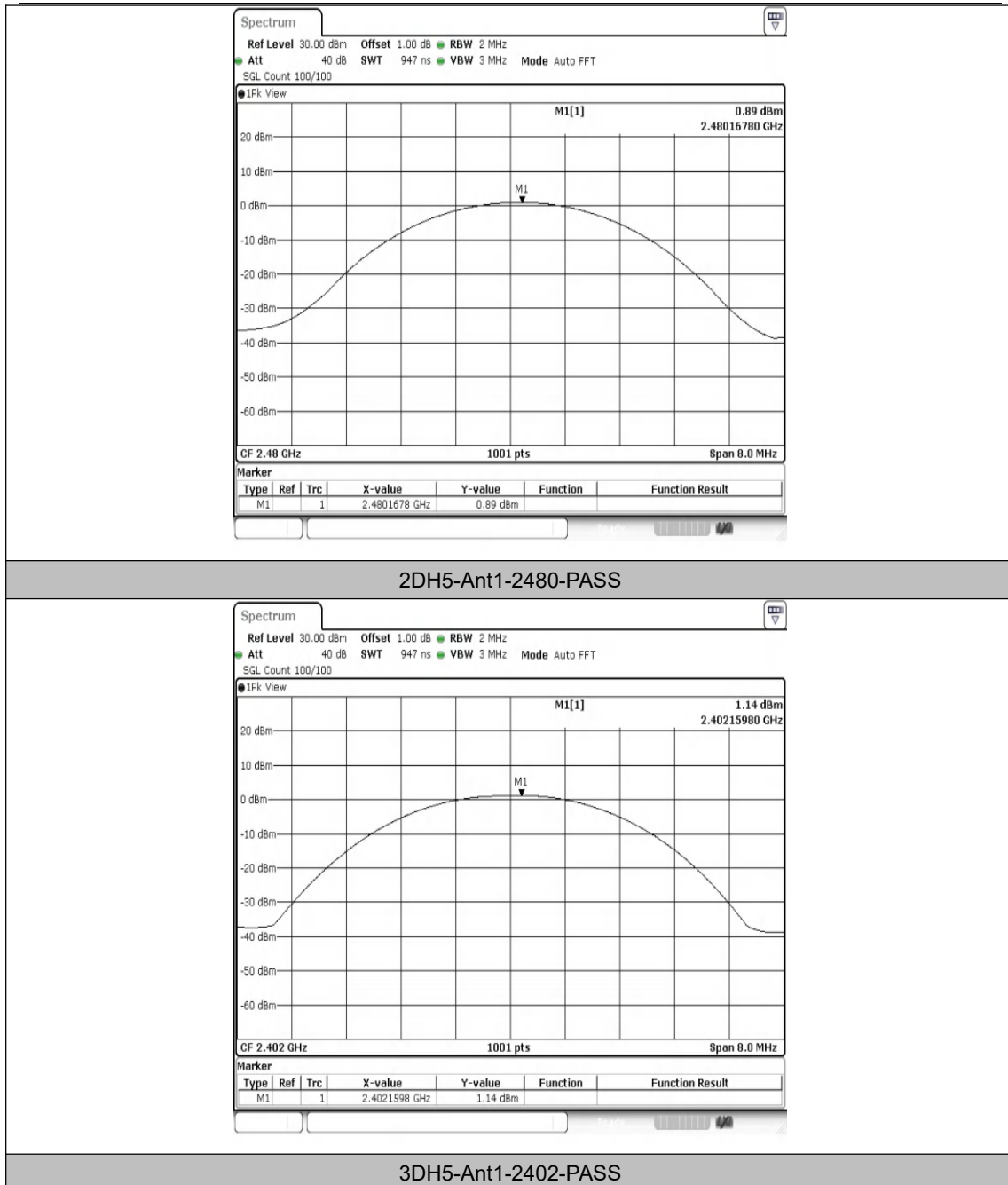
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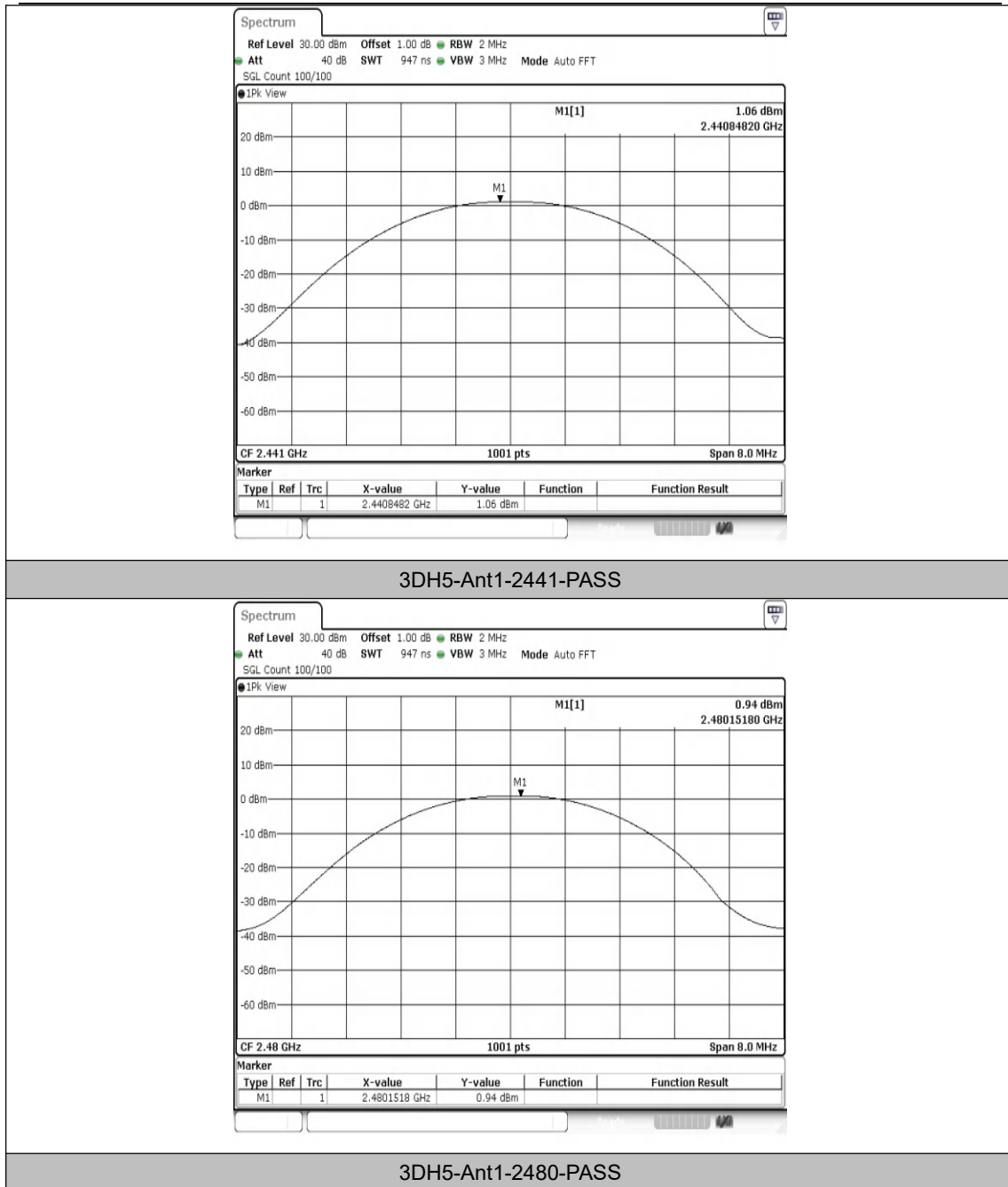
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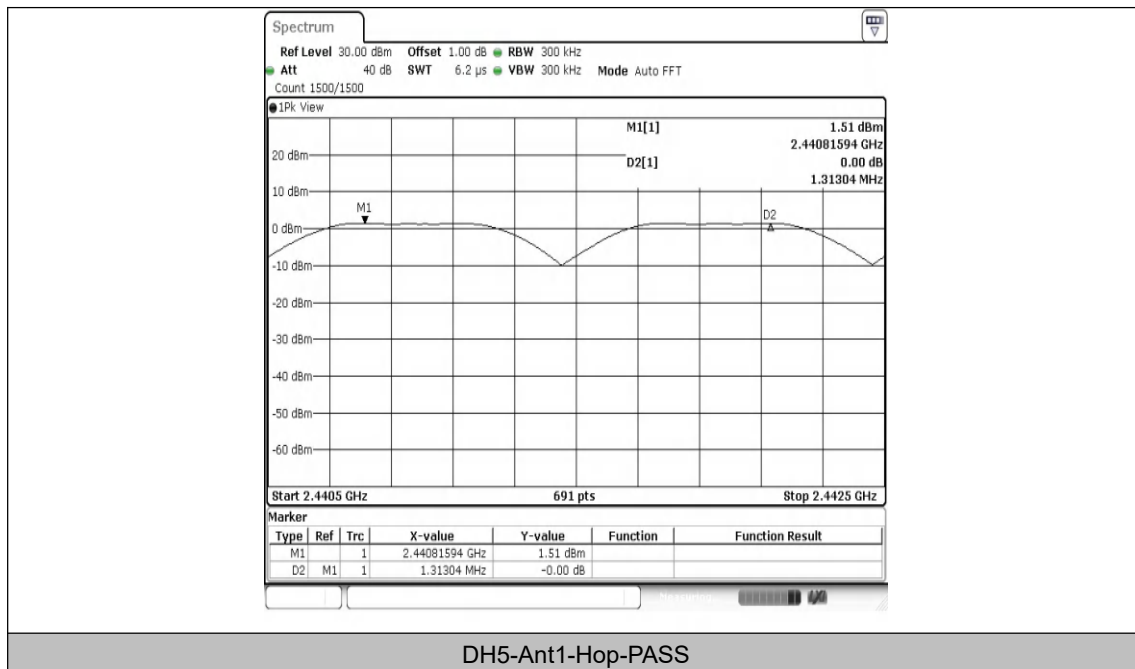
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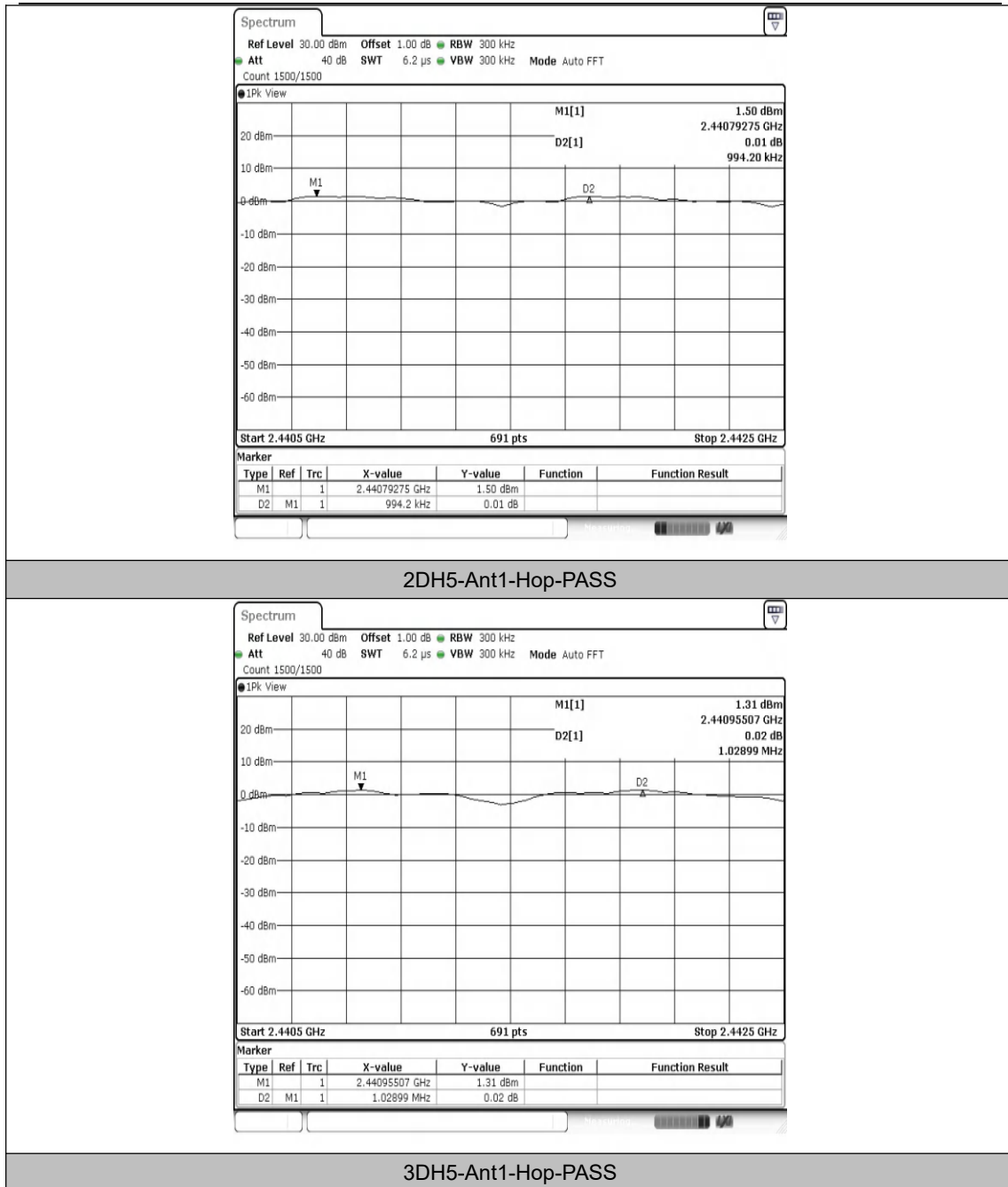
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.313	≥0.670	PASS
2DH5	Ant1	Hop	0.994	≥0.740	PASS
3DH5	Ant1	Hop	1.029	≥0.713	PASS

Test Graphs



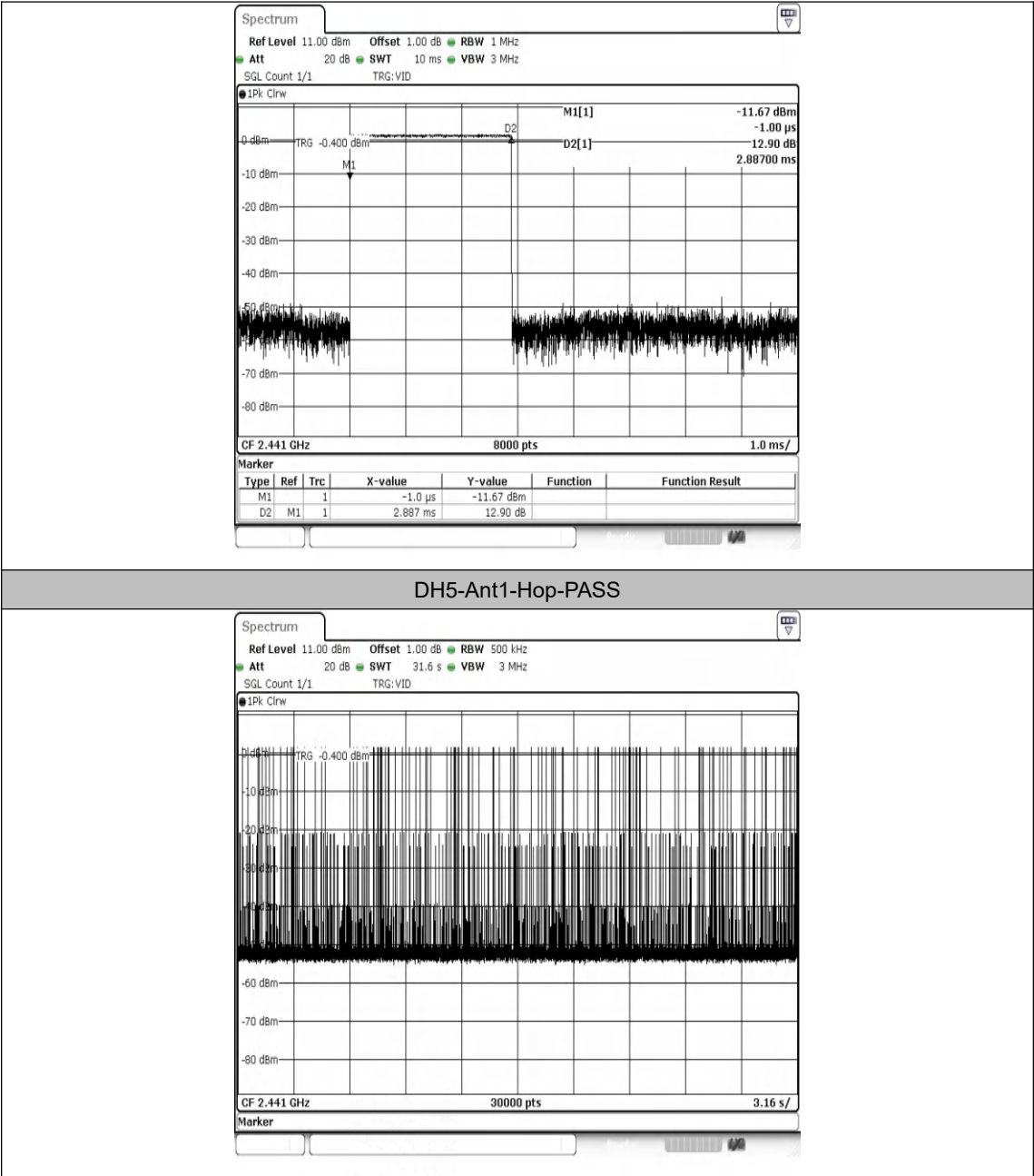


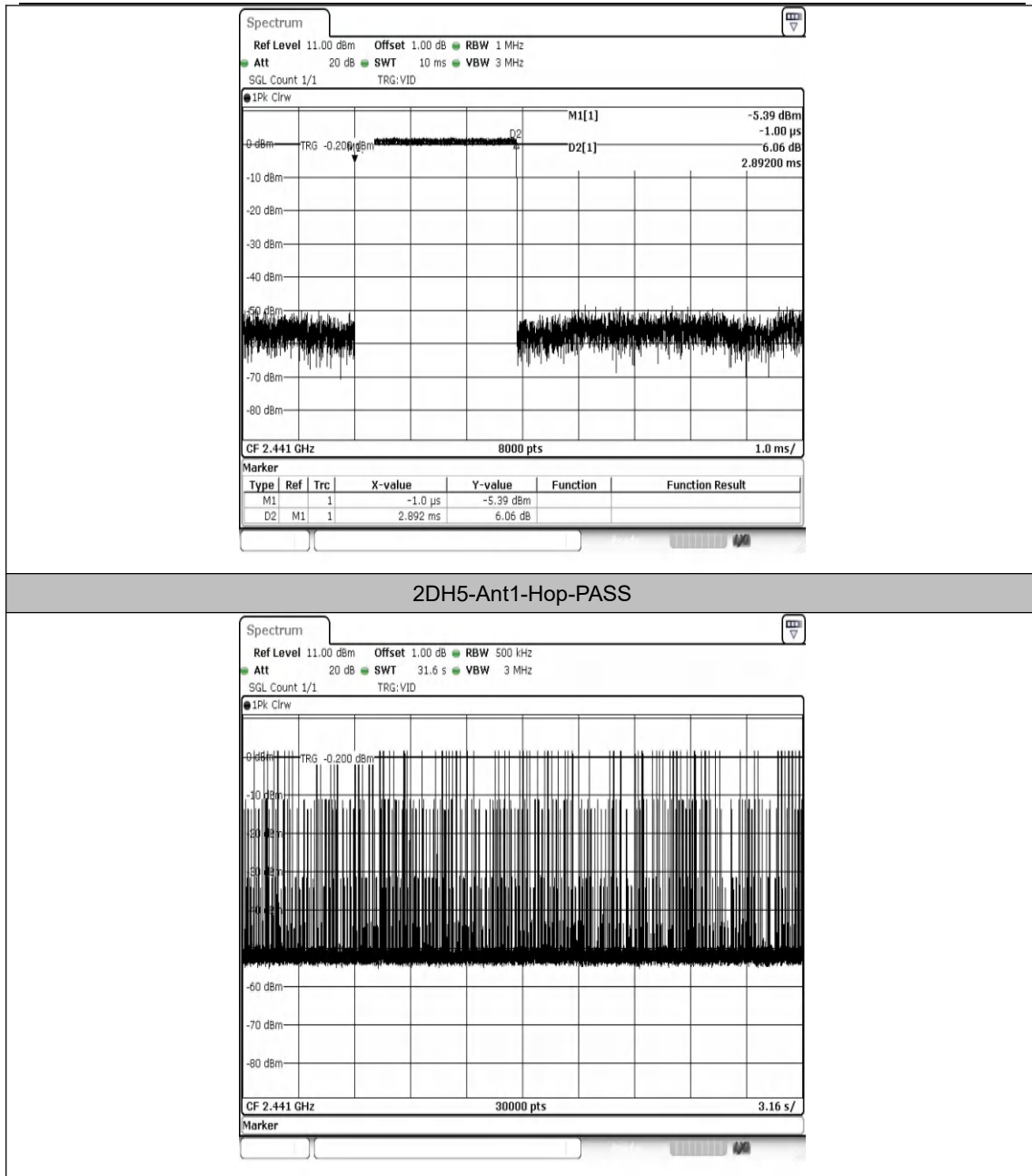
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	111	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.892	109	0.315	≤0.4	PASS
3DH5	Ant1	Hop	2.894	114	0.33	≤0.4	PASS

Test Graphs

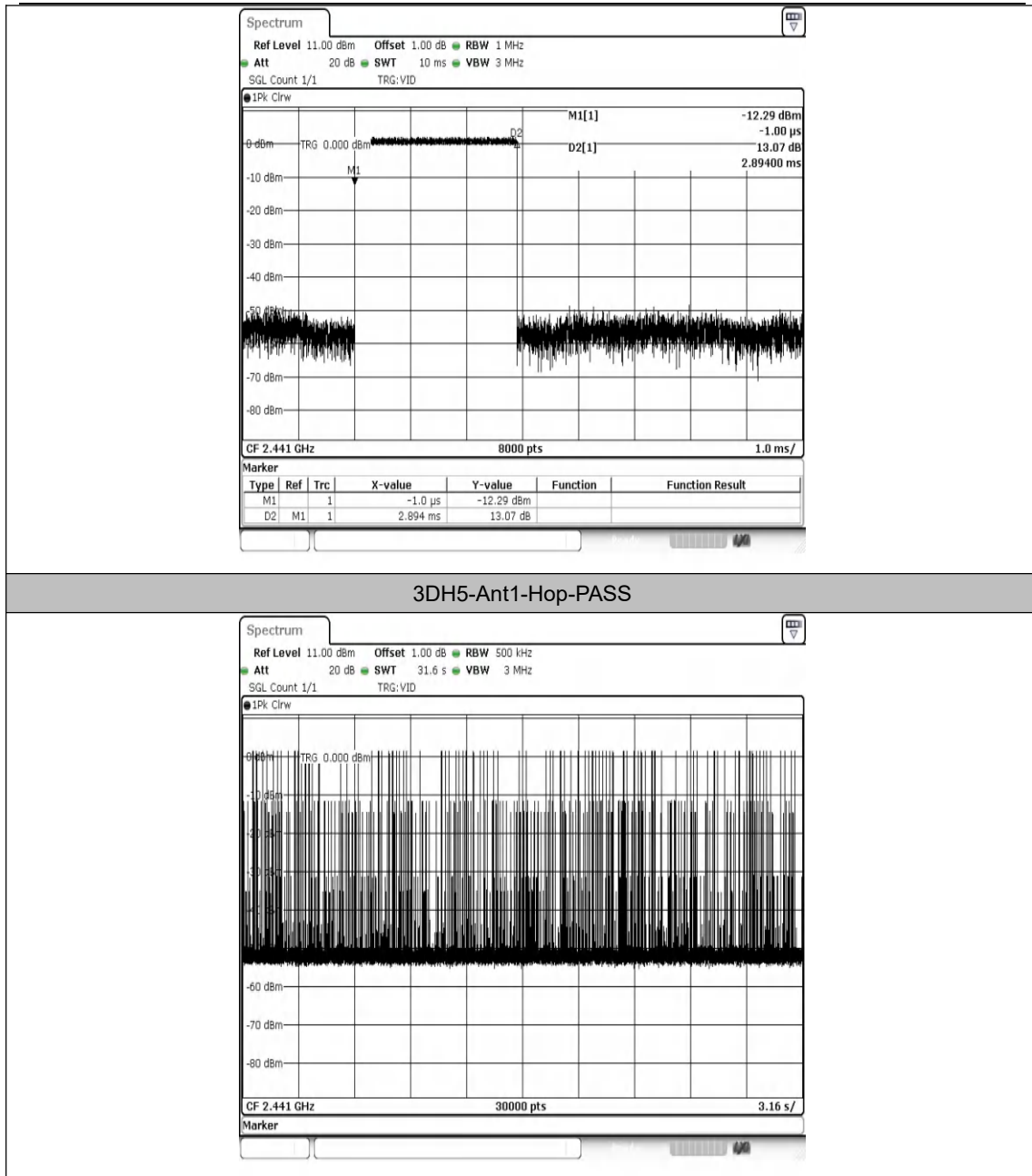




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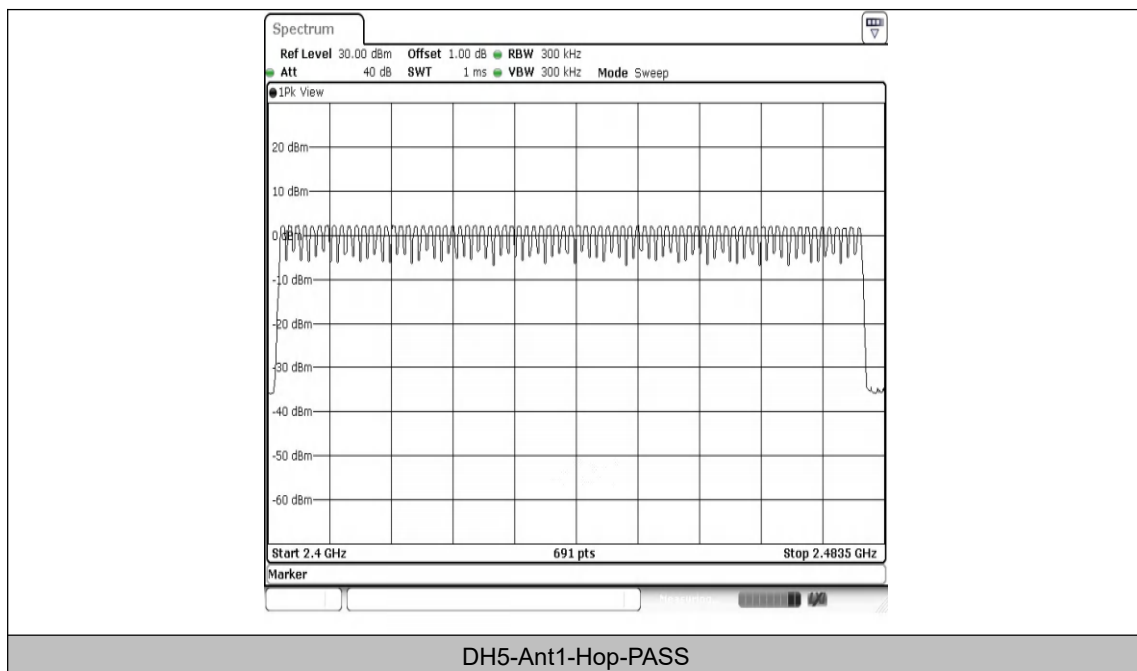
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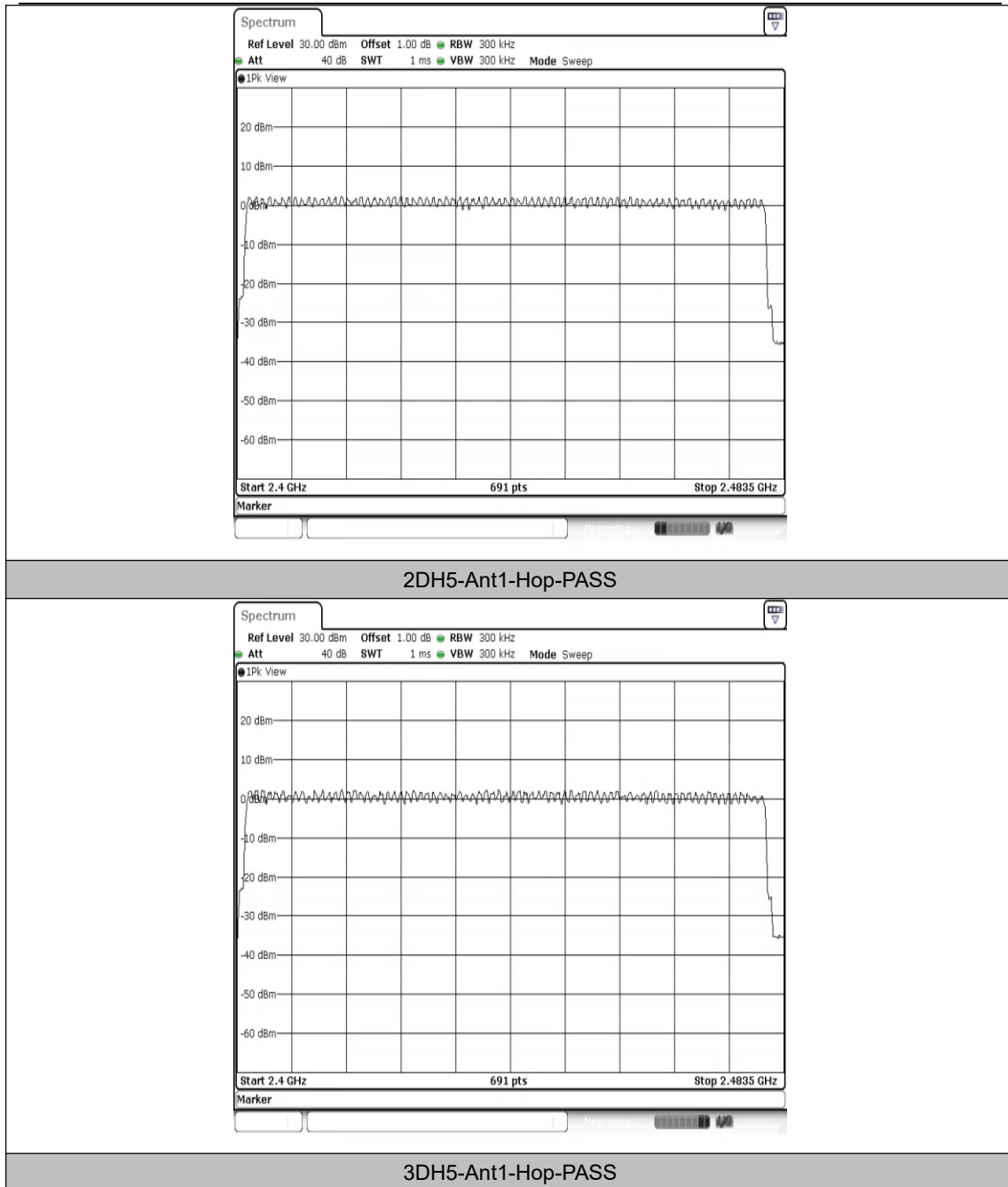
Appendix F: Number of Hopping Channel

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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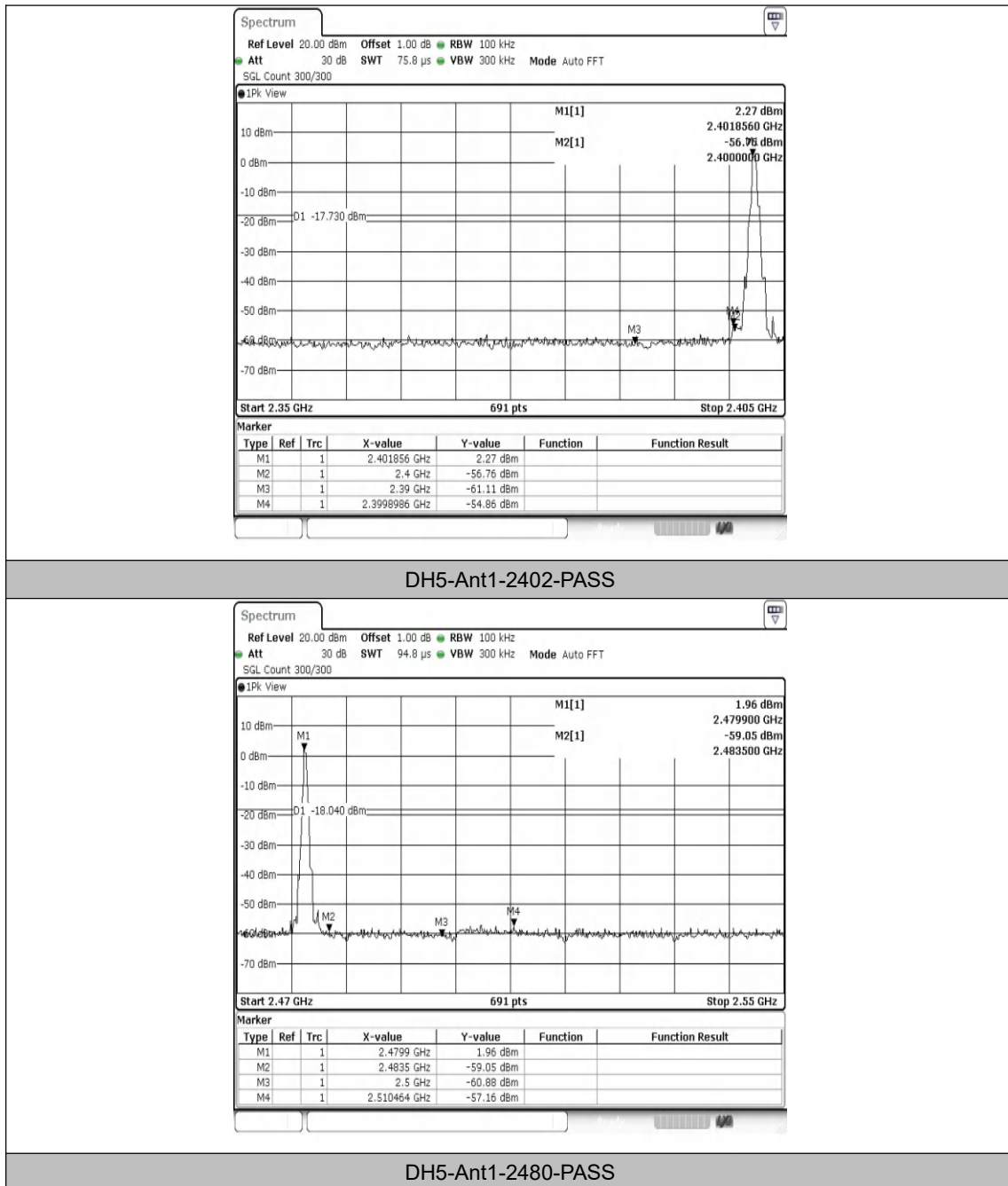
Appendix G: Conducted Band edge

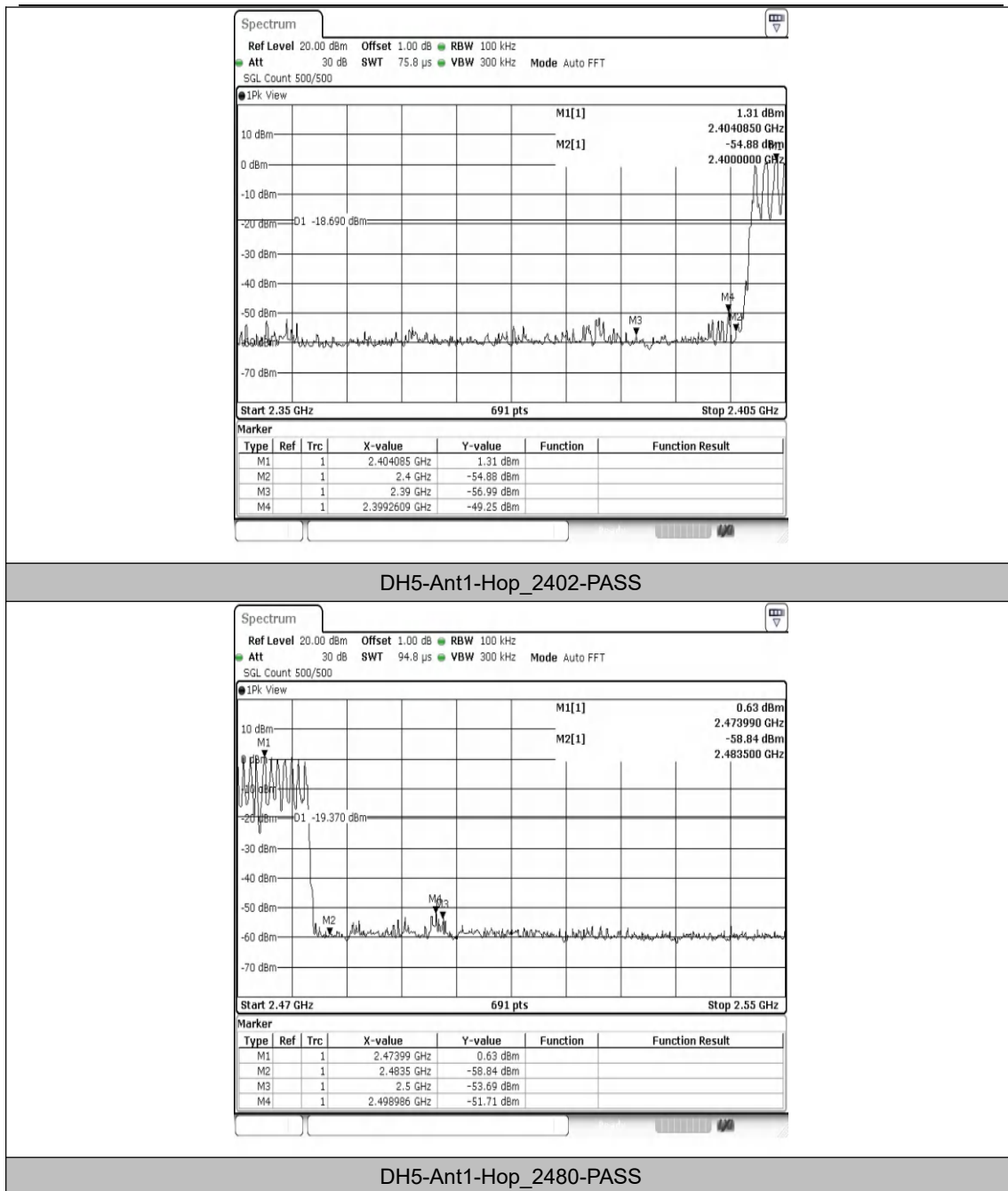
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.27	-54.86	≤-17.73	PASS
DH5	Ant1	High	2480	1.96	-57.16	≤-18.04	PASS
DH5	Ant1	Low	Hop_2402	1.31	-49.25	≤-18.69	PASS
DH5	Ant1	High	Hop_2480	0.63	-51.71	≤-19.37	PASS
2DH5	Ant1	Low	2402	0.77	-57.59	≤-19.23	PASS
2DH5	Ant1	High	2480	0.49	-57.07	≤-19.51	PASS
2DH5	Ant1	Low	Hop_2402	-1.92	-51.13	≤-21.92	PASS
2DH5	Ant1	High	Hop_2480	0.91	-56.55	≤-19.09	PASS
3DH5	Ant1	Low	2402	0.82	-52.69	≤-19.18	PASS
3DH5	Ant1	High	2480	0.78	-57.27	≤-19.22	PASS
3DH5	Ant1	Low	Hop_2402	-0.39	-54.11	≤-20.39	PASS
3DH5	Ant1	High	Hop_2480	-2.42	-54.04	≤-22.42	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

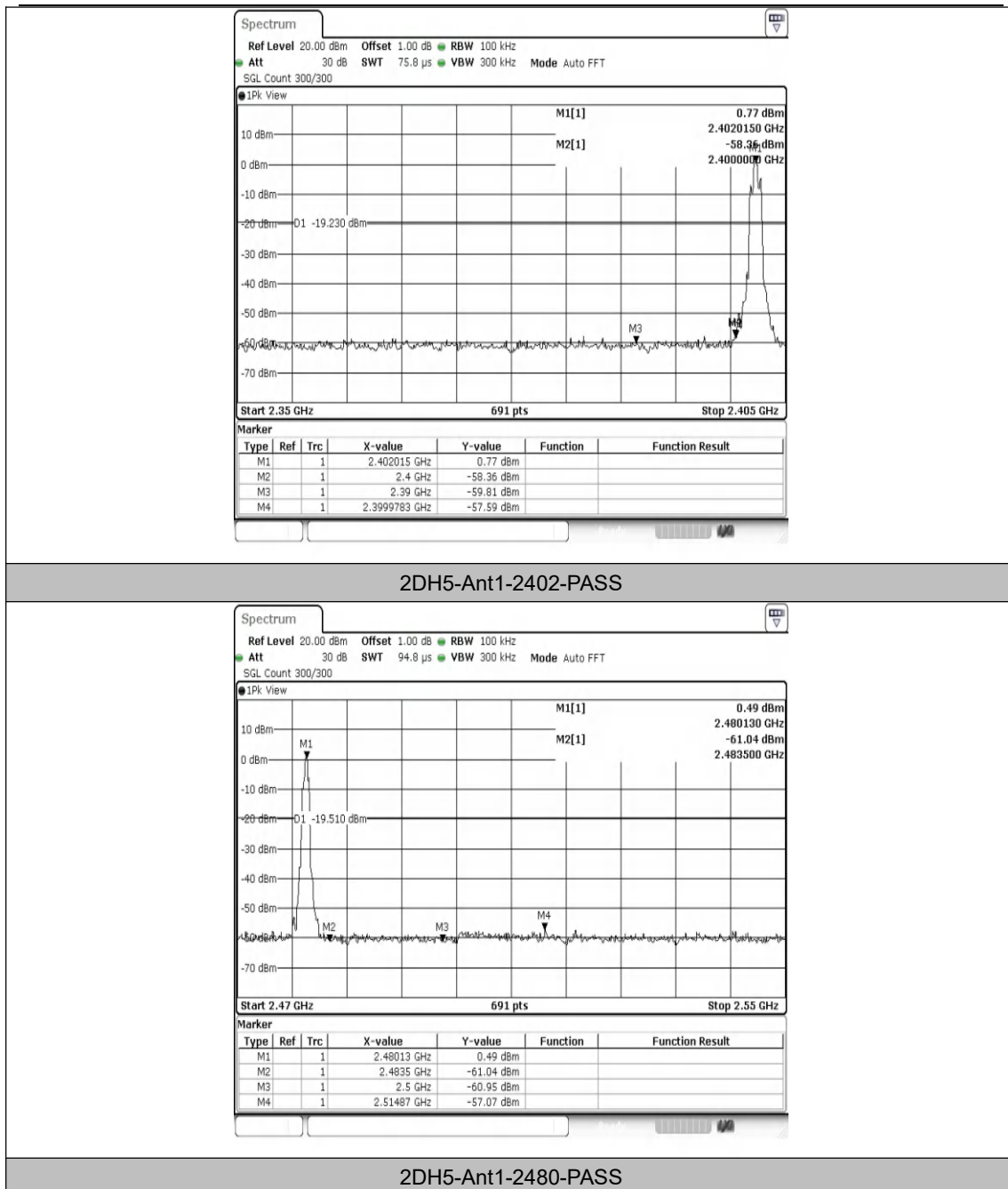


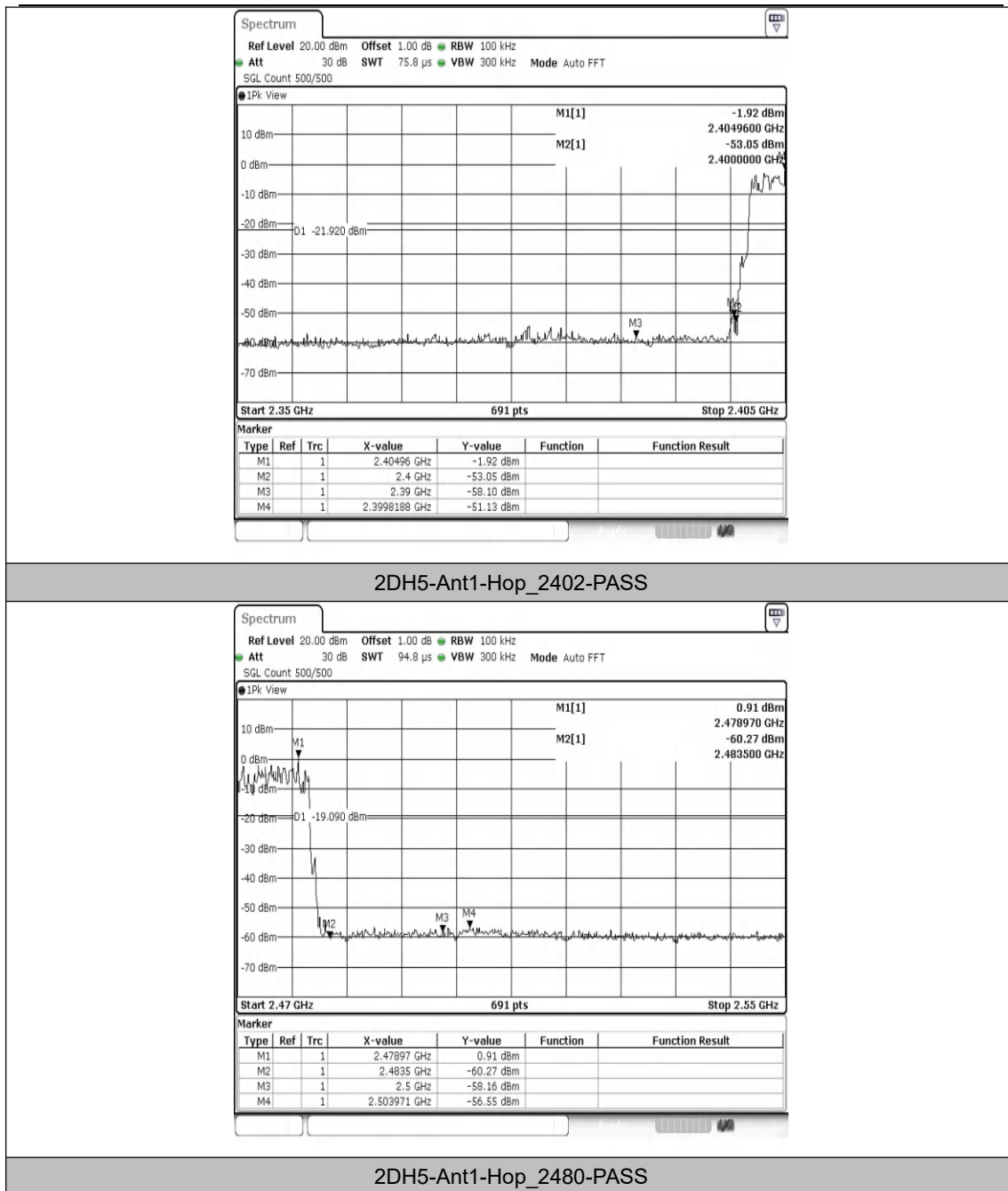


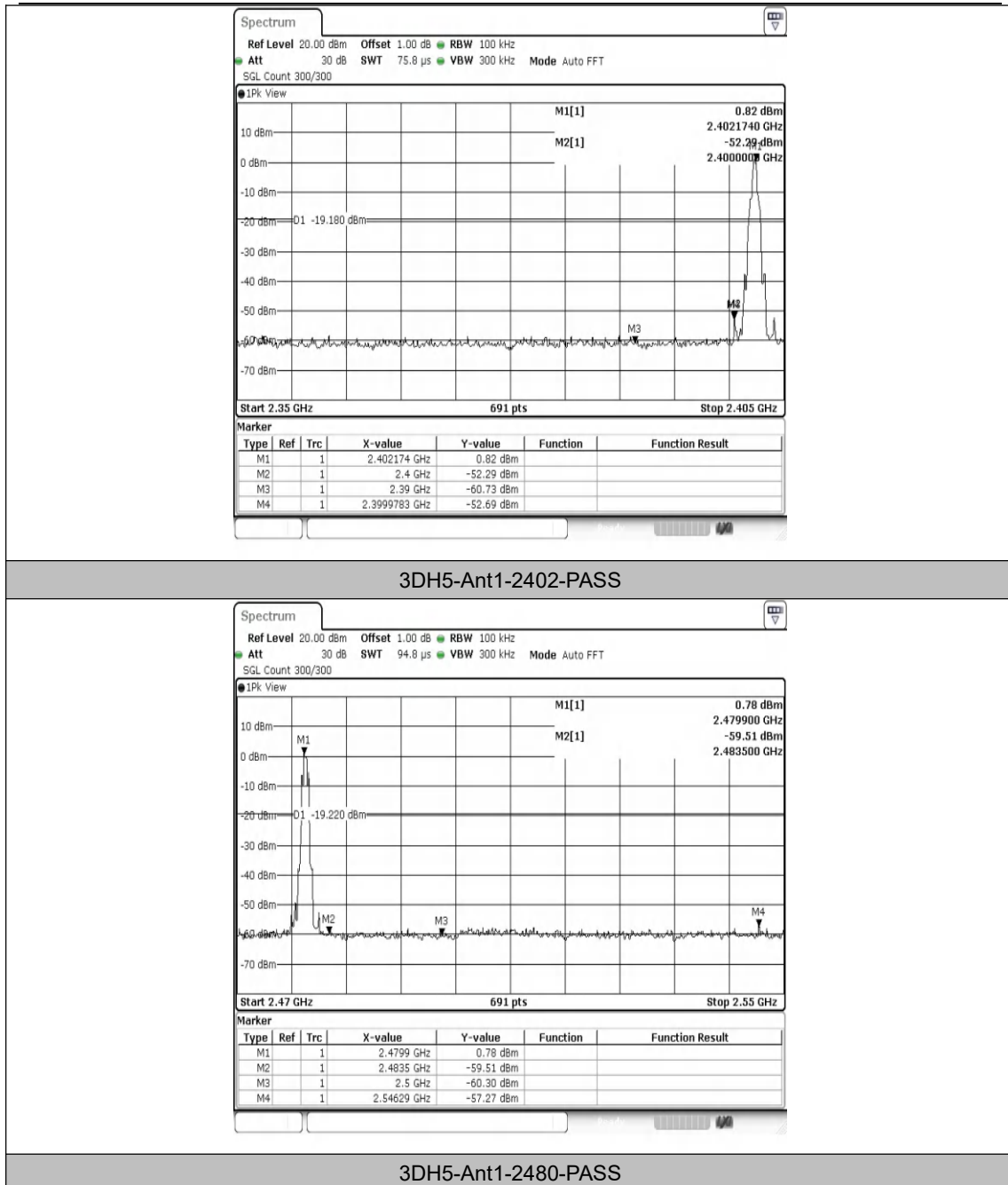
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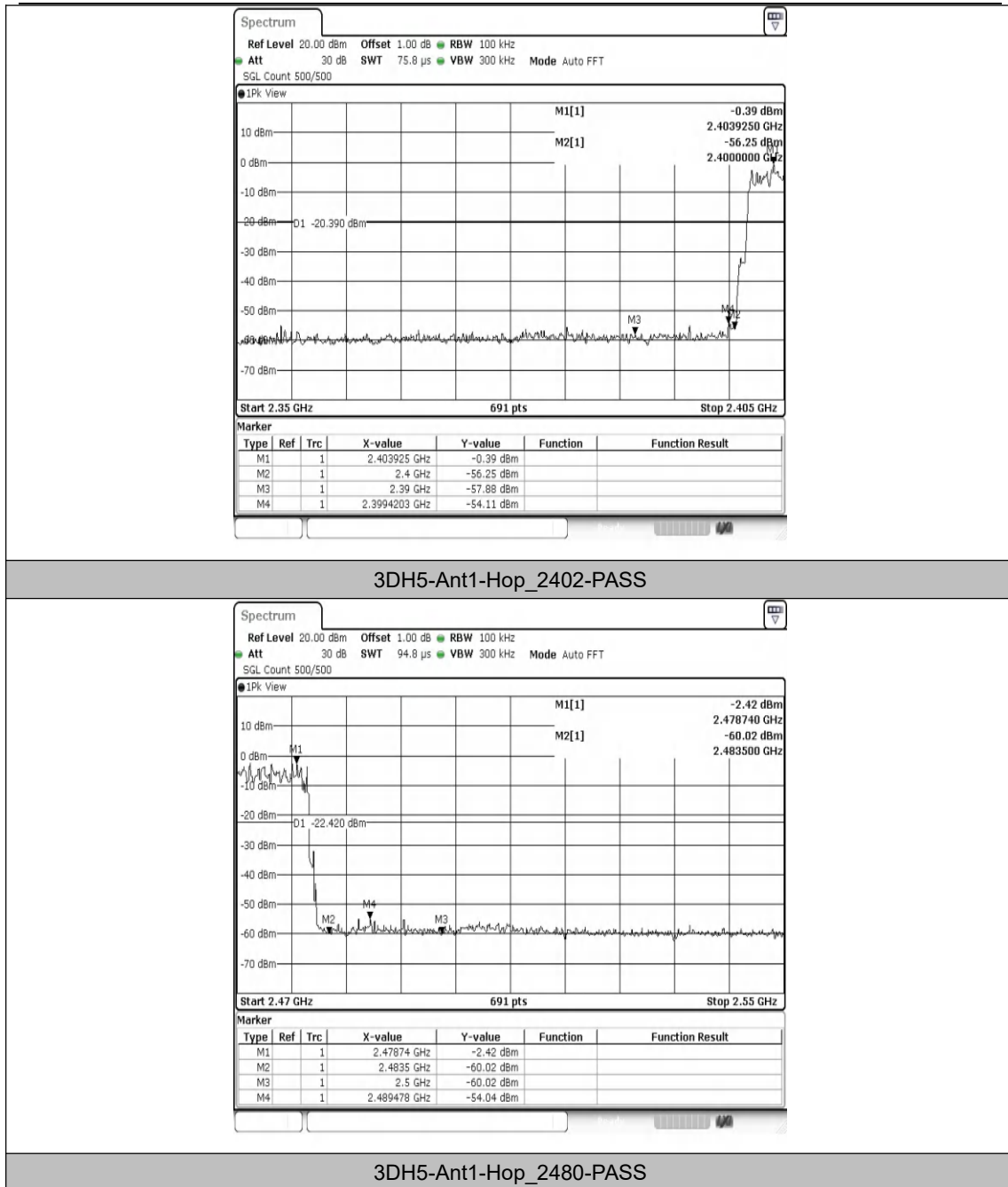




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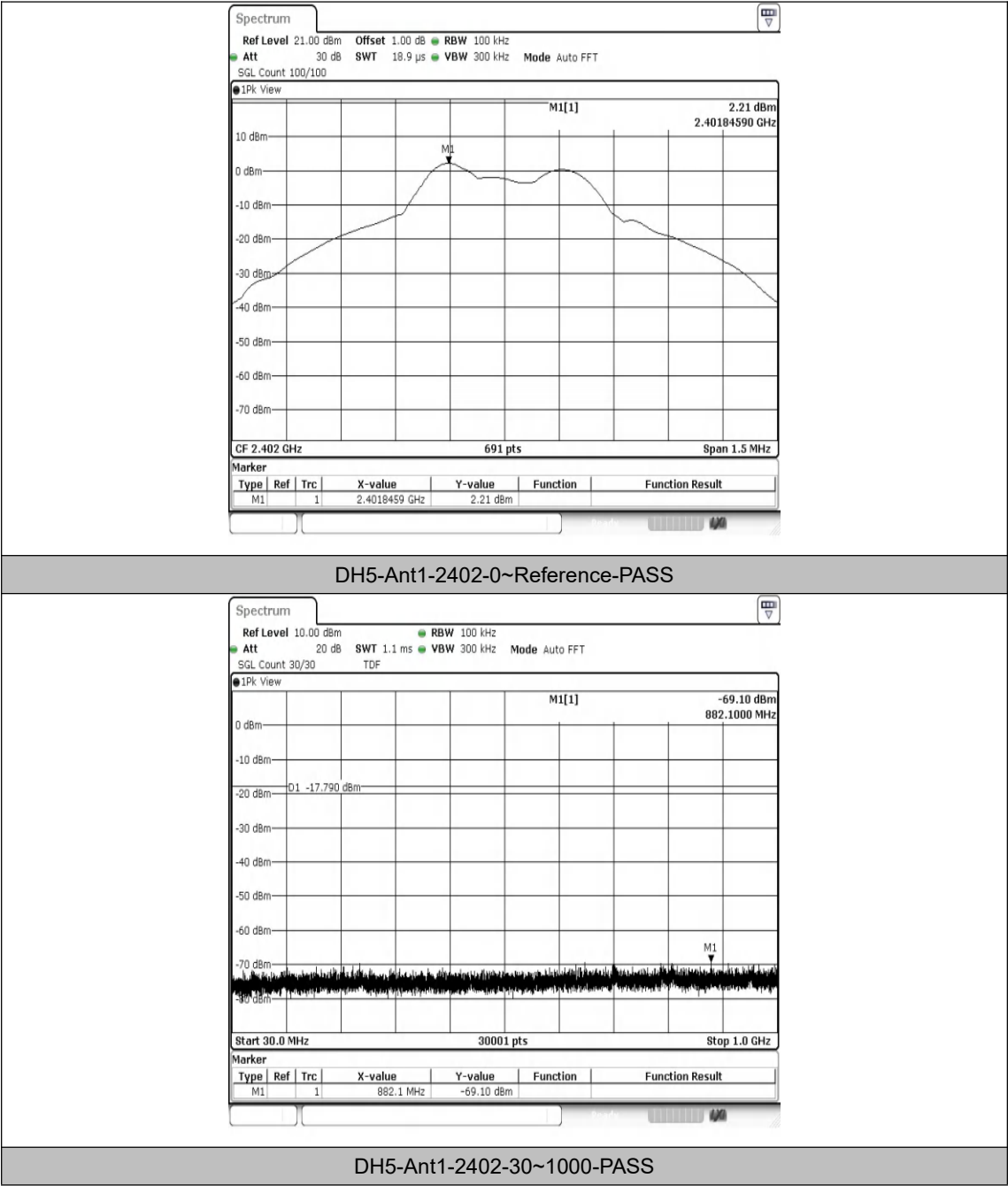
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.21	2.21	---	PASS
DH5	Ant1	2402	30~1000	2.21	-69.1	≤-17.79	PASS
DH5	Ant1	2402	1000~26500	2.21	-51.03	≤-17.79	PASS
DH5	Ant1	2441	0~Reference	2.08	2.08	---	PASS
DH5	Ant1	2441	30~1000	2.08	-68.72	≤-17.92	PASS
DH5	Ant1	2441	1000~26500	2.08	-52	≤-17.92	PASS
DH5	Ant1	2480	0~Reference	1.94	1.94	---	PASS
DH5	Ant1	2480	30~1000	1.94	-68.8	≤-18.06	PASS
DH5	Ant1	2480	1000~26500	1.94	-51.08	≤-18.06	PASS
2DH5	Ant1	2402	0~Reference	0.13	0.13	---	PASS
2DH5	Ant1	2402	30~1000	0.13	-68.95	≤-19.87	PASS
2DH5	Ant1	2402	1000~26500	0.13	-52.45	≤-19.87	PASS
2DH5	Ant1	2441	0~Reference	-0.33	-0.33	---	PASS
2DH5	Ant1	2441	30~1000	-0.33	-69.43	≤-20.33	PASS
2DH5	Ant1	2441	1000~26500	-0.33	-52.68	≤-20.33	PASS
2DH5	Ant1	2480	0~Reference	-0.48	-0.48	---	PASS
2DH5	Ant1	2480	30~1000	-0.48	-68.48	≤-20.48	PASS
2DH5	Ant1	2480	1000~26500	-0.48	-54.01	≤-20.48	PASS
3DH5	Ant1	2402	0~Reference	-0.10	-0.10	---	PASS
3DH5	Ant1	2402	30~1000	-0.10	-68.29	≤-20.1	PASS
3DH5	Ant1	2402	1000~26500	-0.10	-51.2	≤-20.1	PASS
3DH5	Ant1	2441	0~Reference	0.57	0.57	---	PASS
3DH5	Ant1	2441	30~1000	0.57	-69.04	≤-19.43	PASS
3DH5	Ant1	2441	1000~26500	0.57	-49.48	≤-19.43	PASS
3DH5	Ant1	2480	0~Reference	0.57	0.57	---	PASS
3DH5	Ant1	2480	30~1000	0.57	-68.49	≤-19.43	PASS
3DH5	Ant1	2480	1000~26500	0.57	-54.2	≤-19.43	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factor s have been set in the 'TDF' of the Spectrum Analyzer during the test.

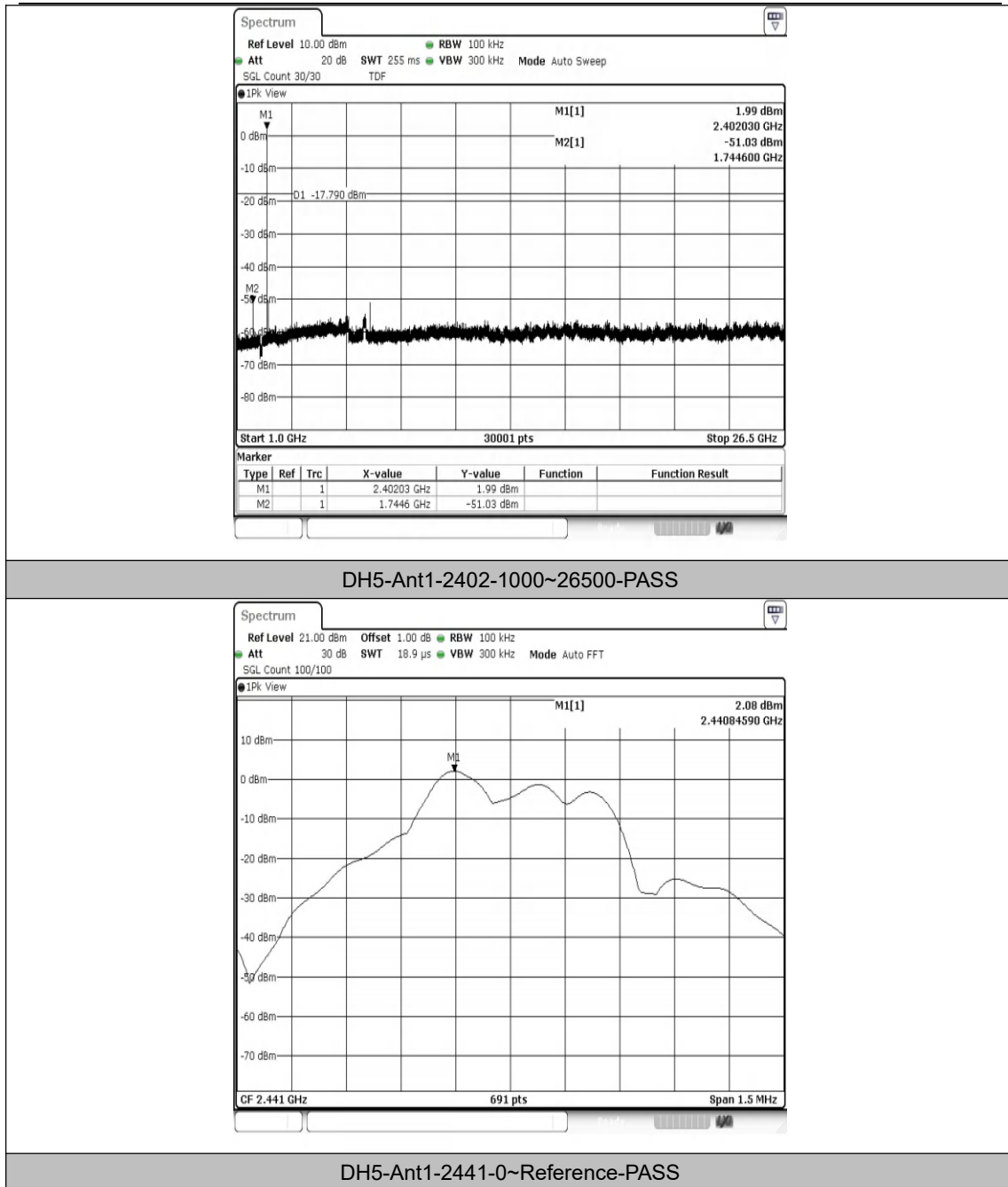
Test Graphs



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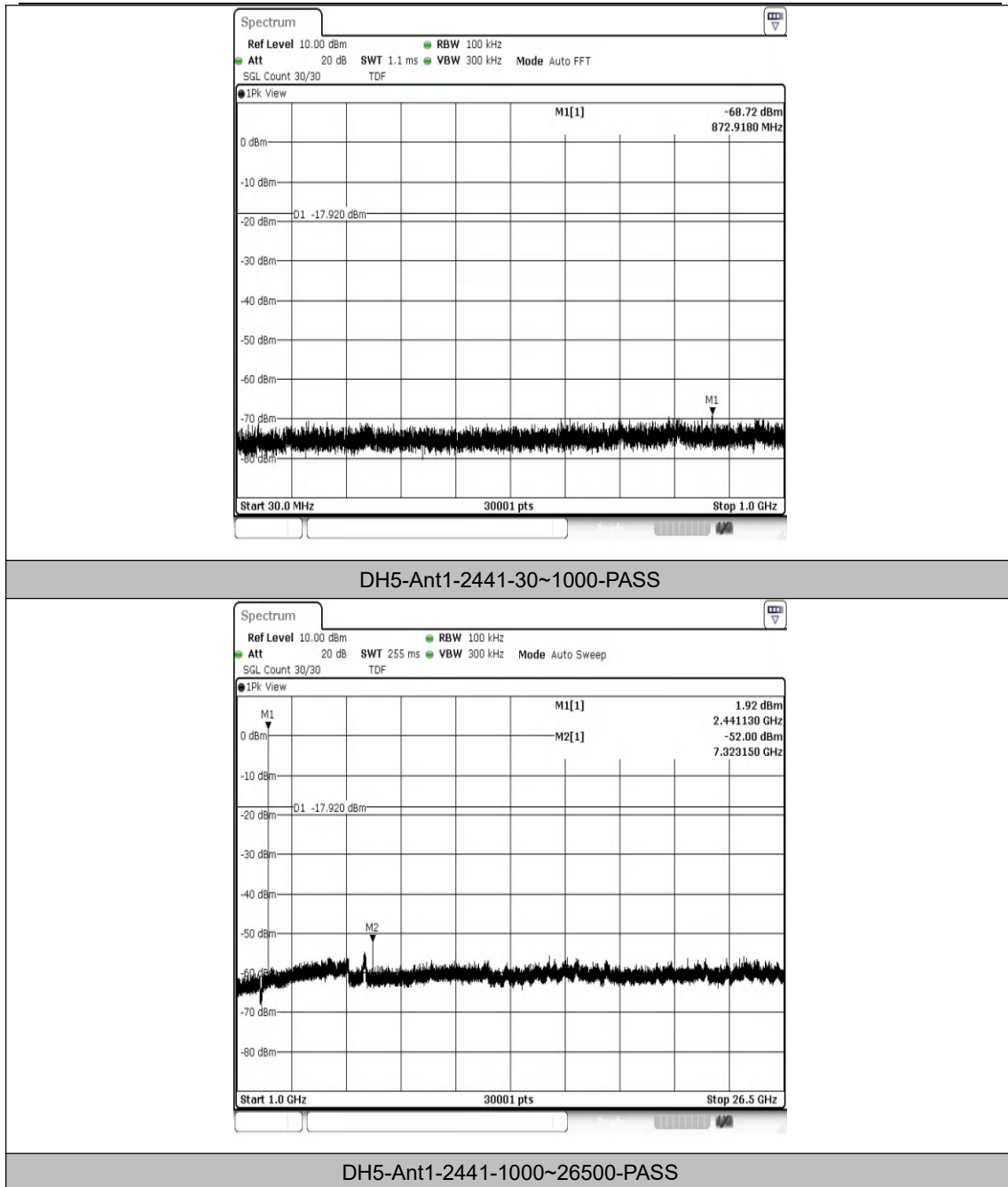
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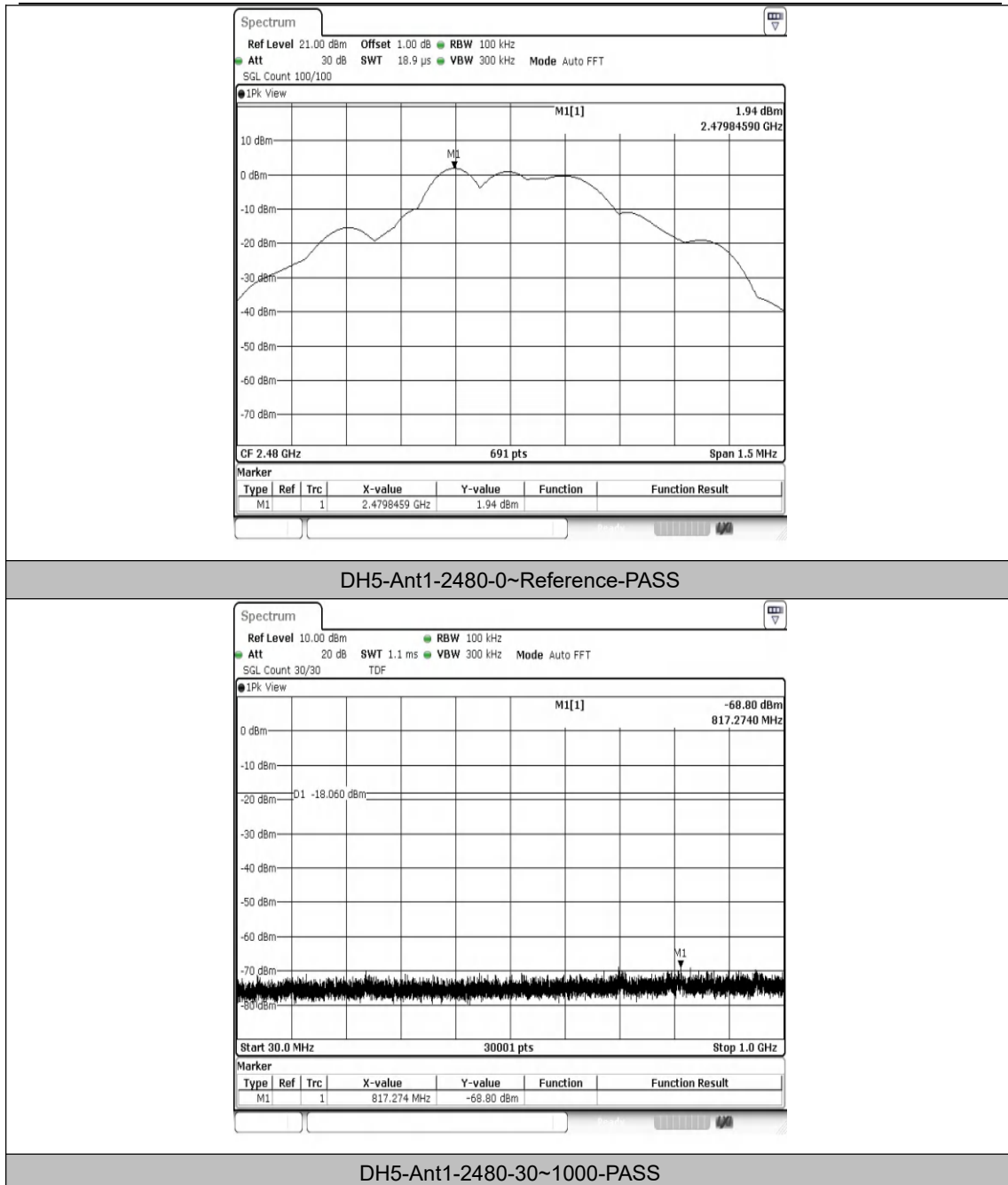
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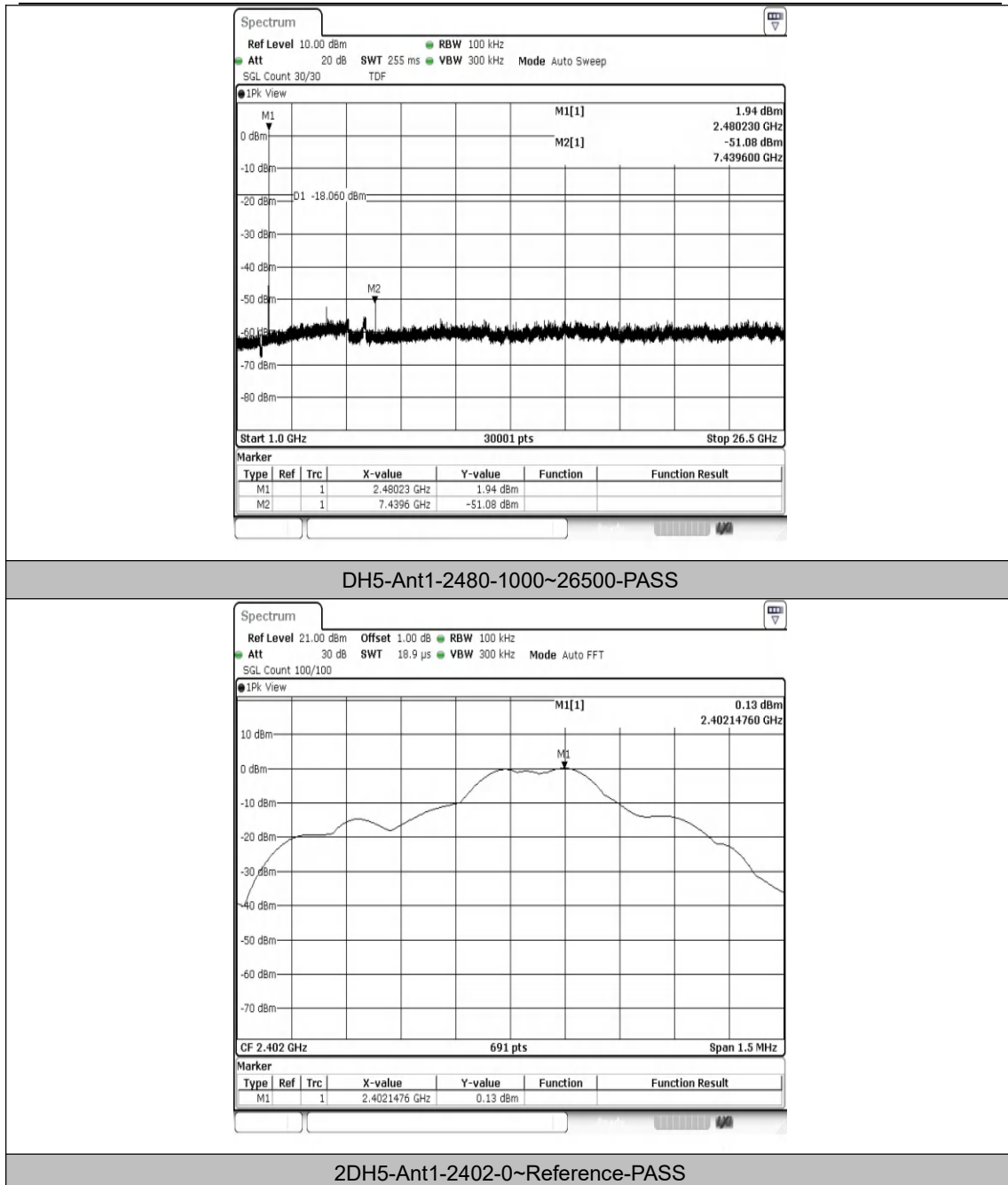
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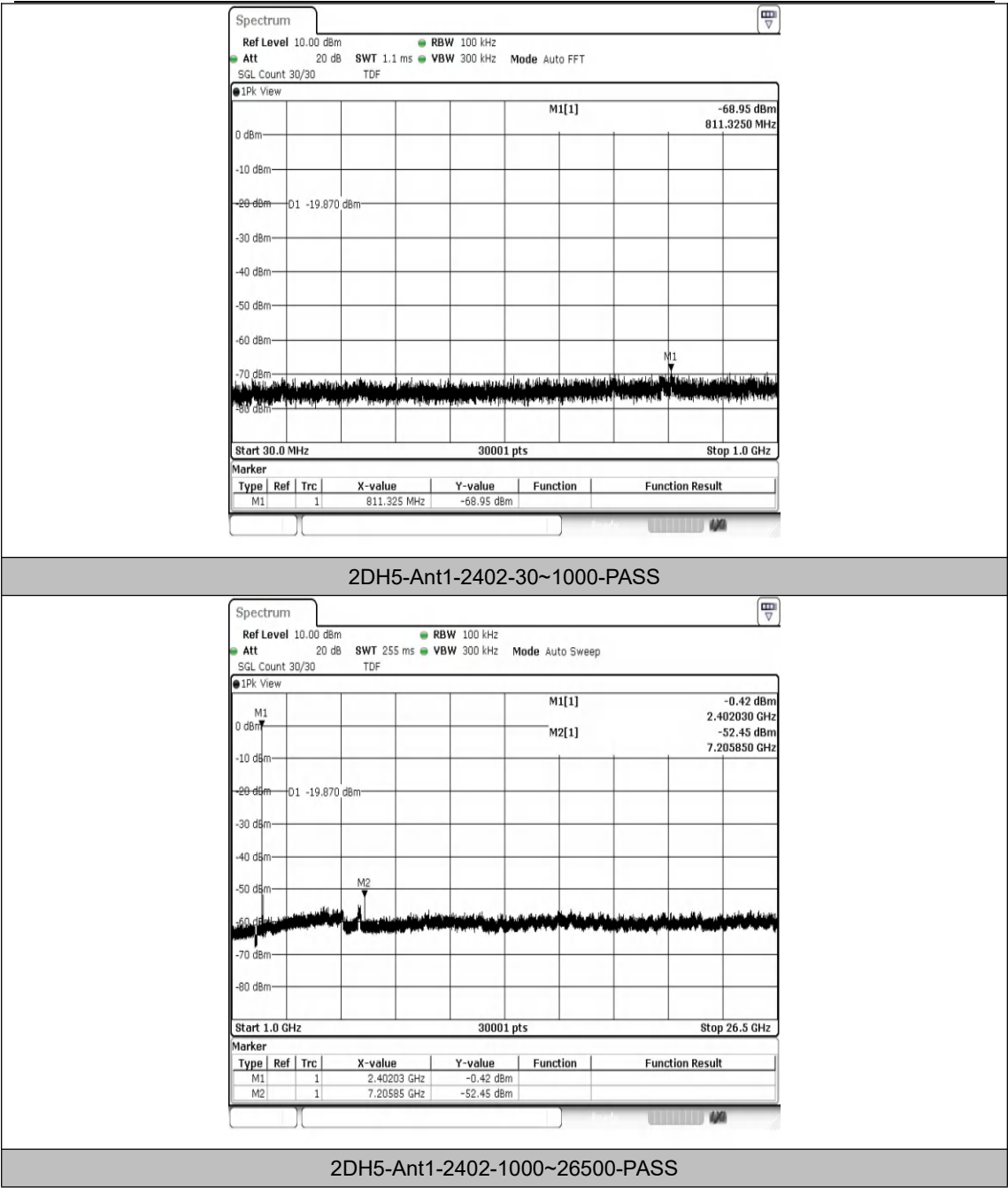


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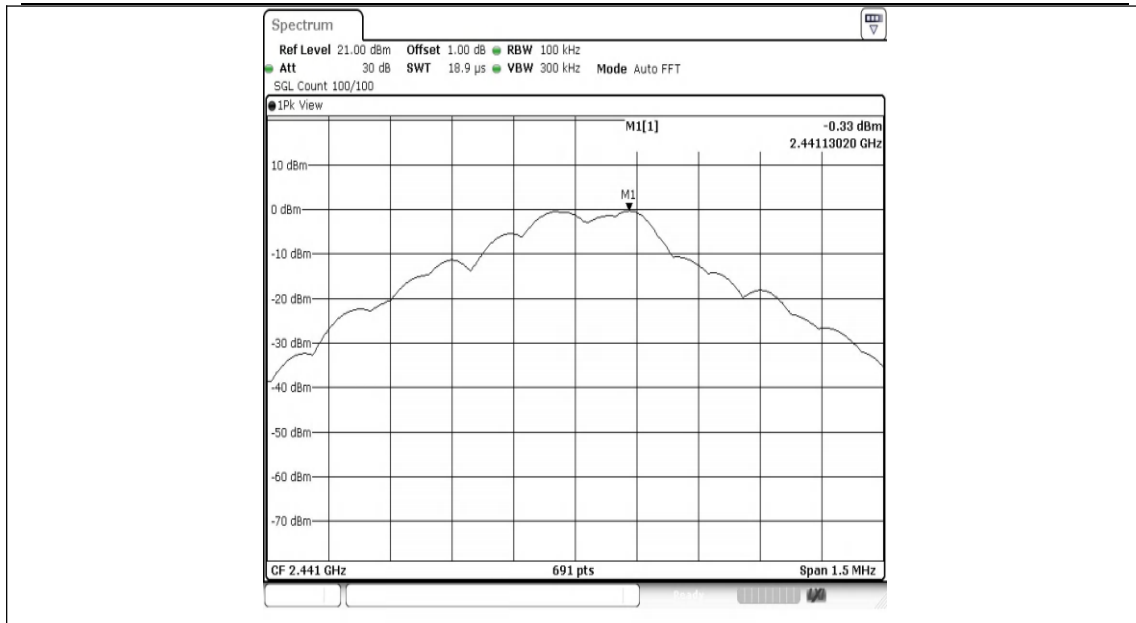




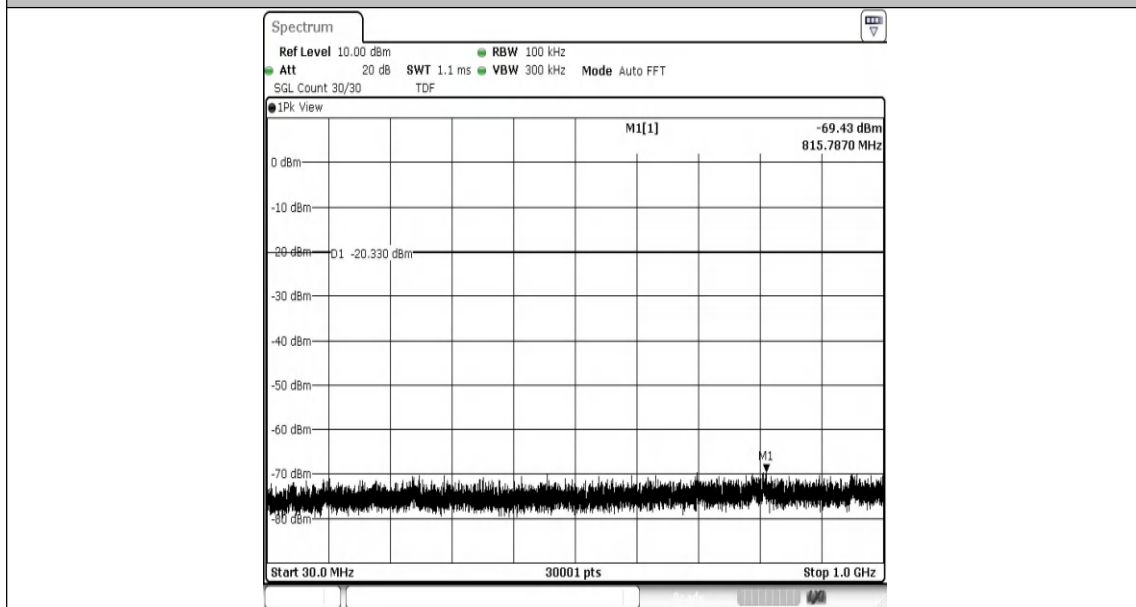
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2DH5-Ant1-2441-0~Reference-PASS

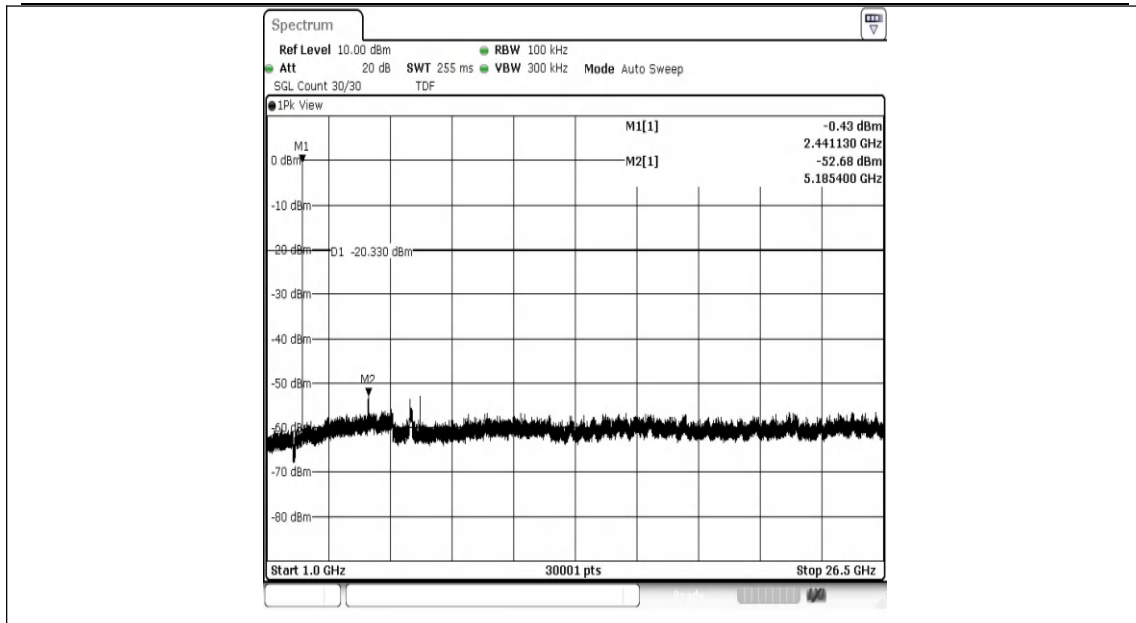


2DH5-Ant1-2441-30~1000-PASS

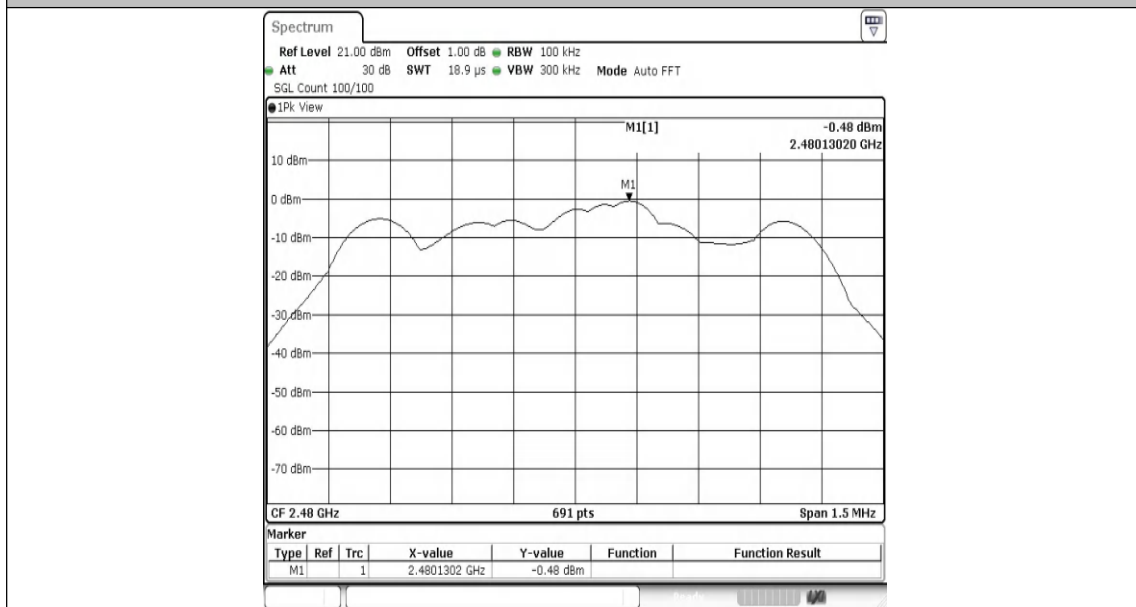
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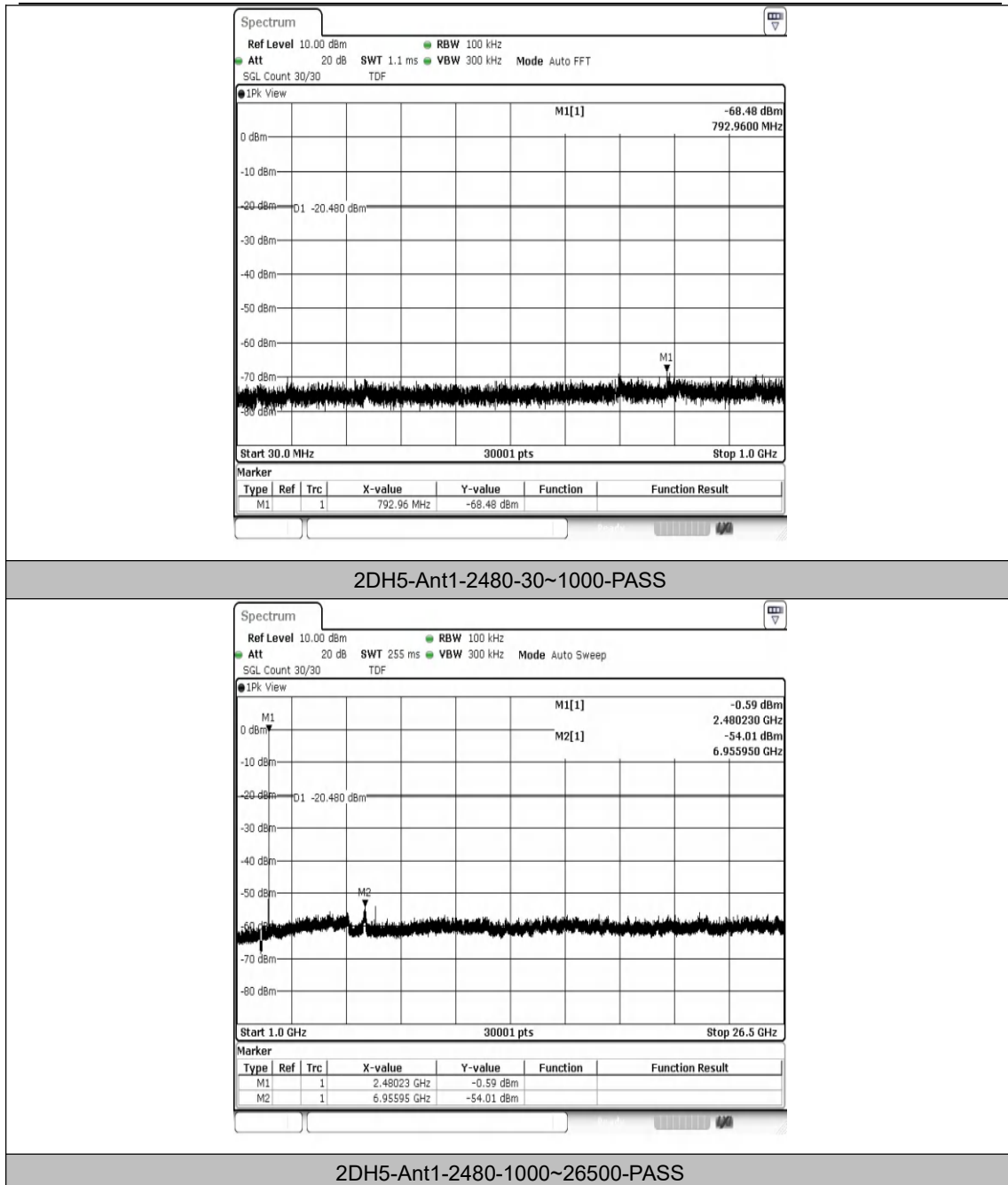
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2DH5-Ant1-2441-1000~26500-PASS



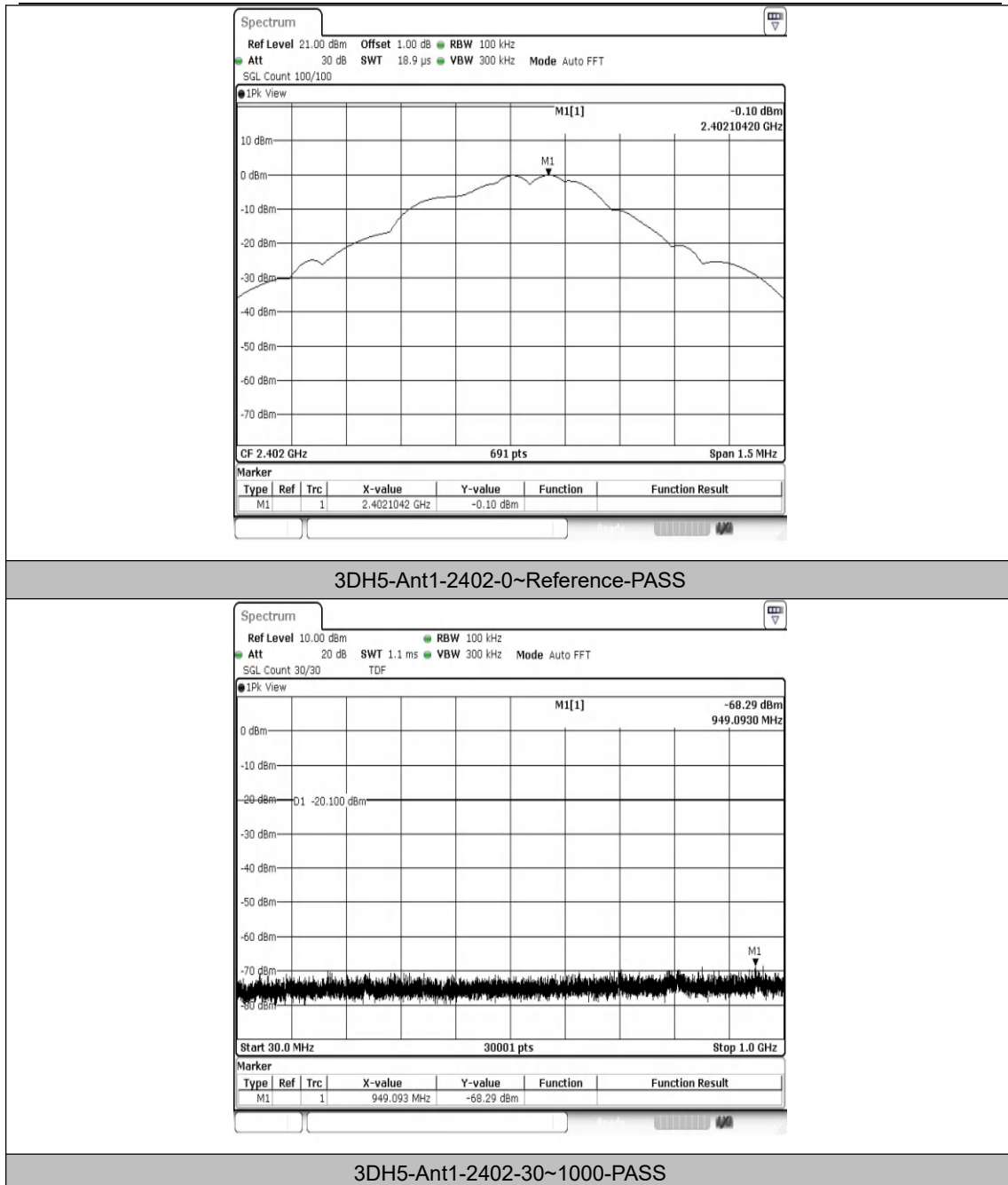
2DH5-Ant1-2480-0~Reference-PASS



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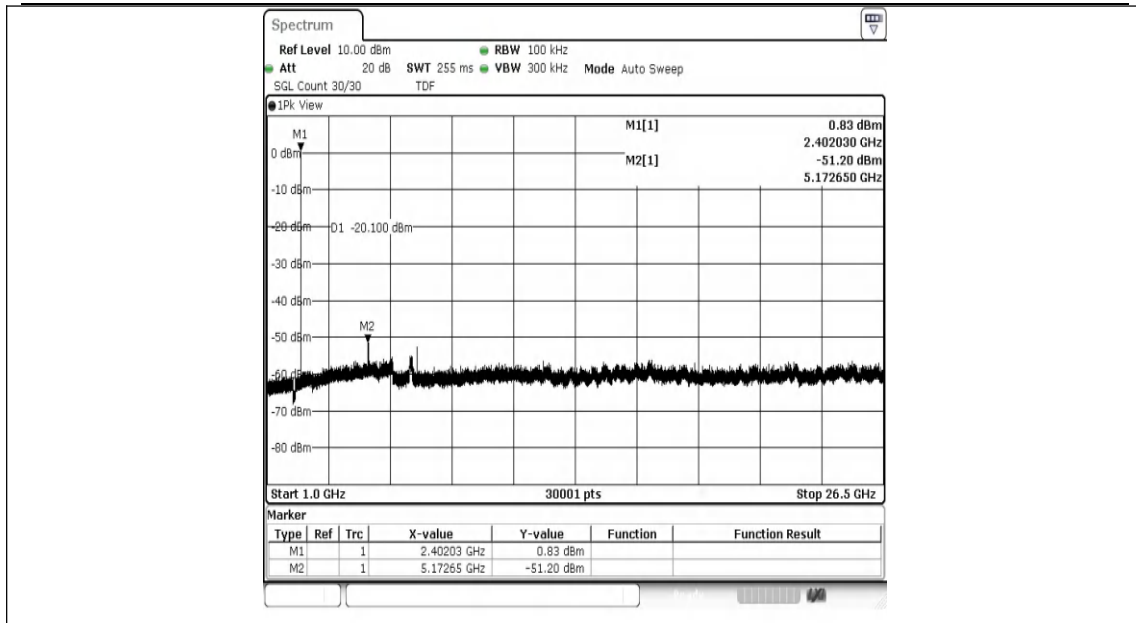
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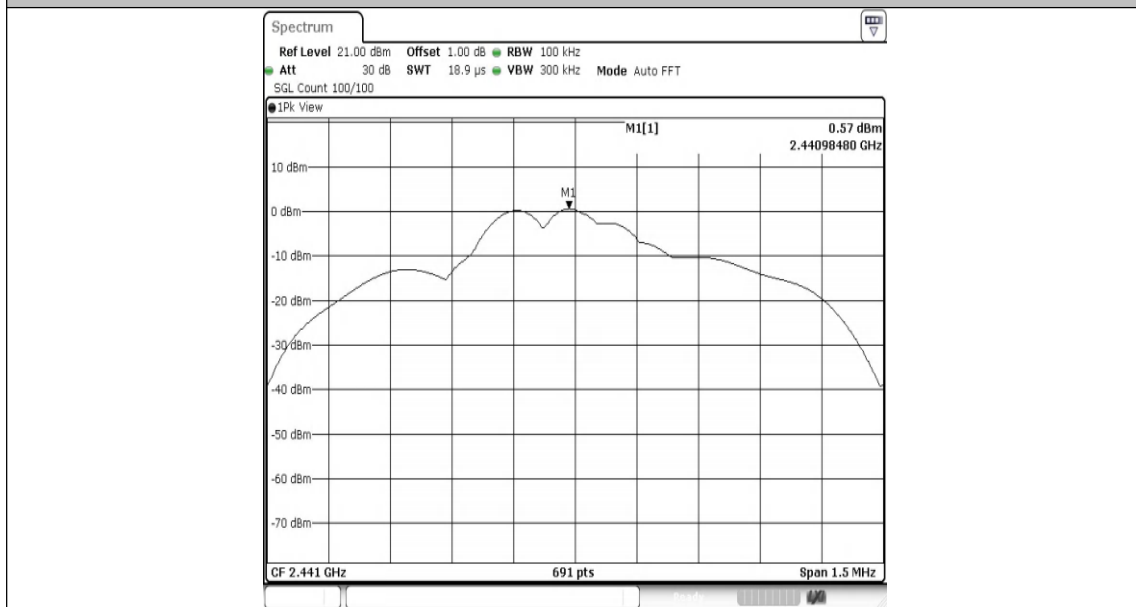
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3DH5-Ant1-2402-1000~26500-PASS

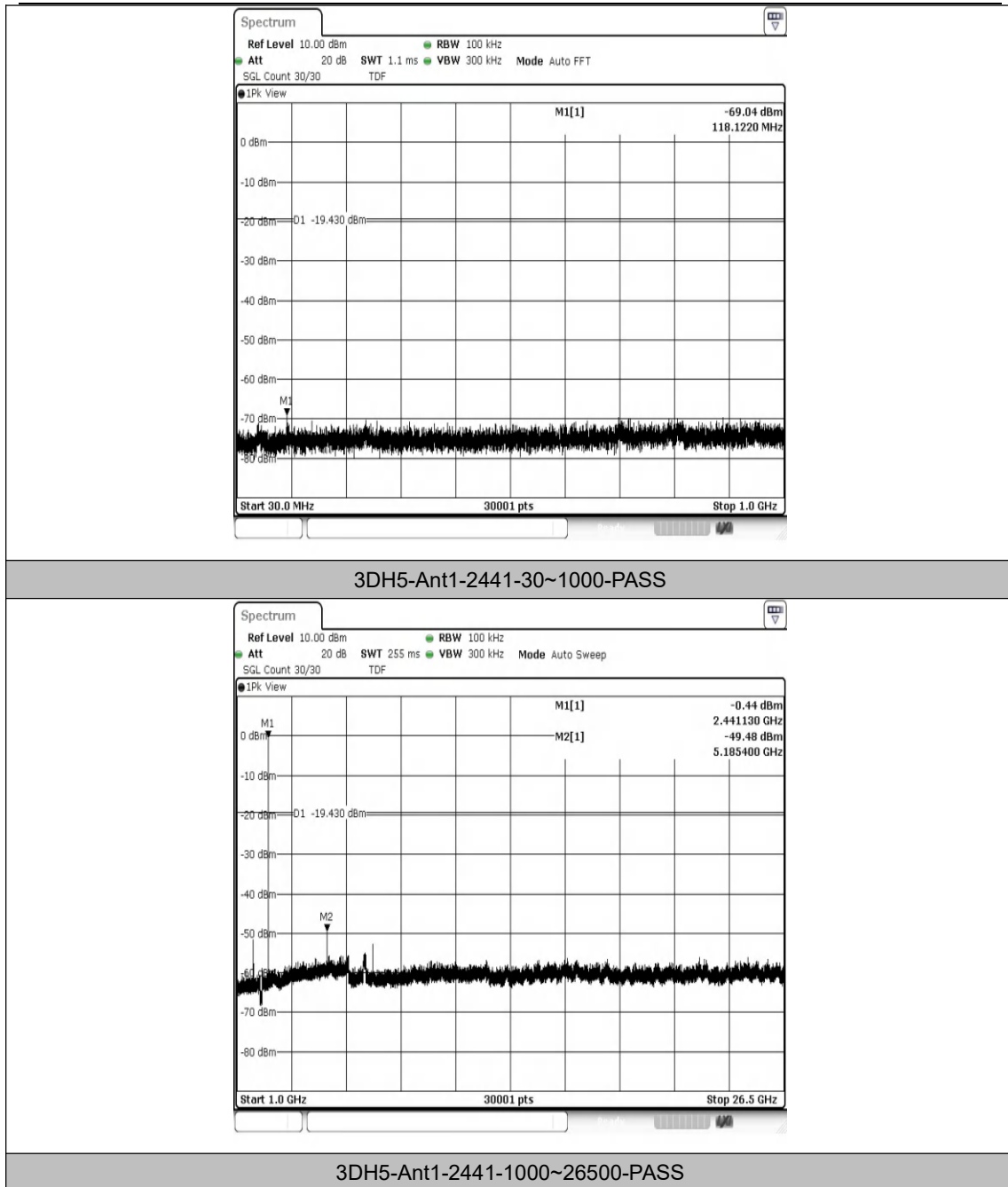


3DH5-Ant1-2441-0~Reference-PASS

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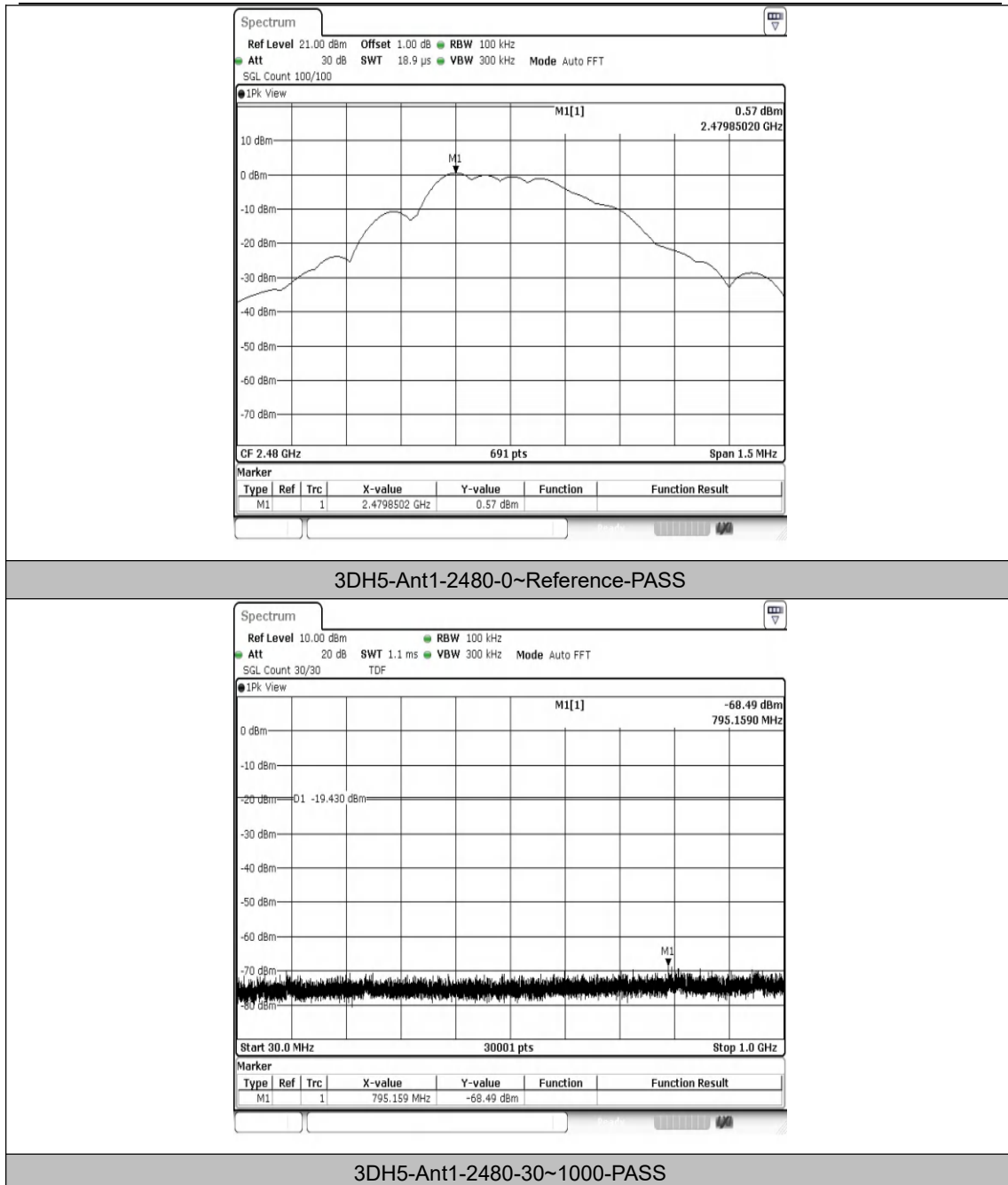
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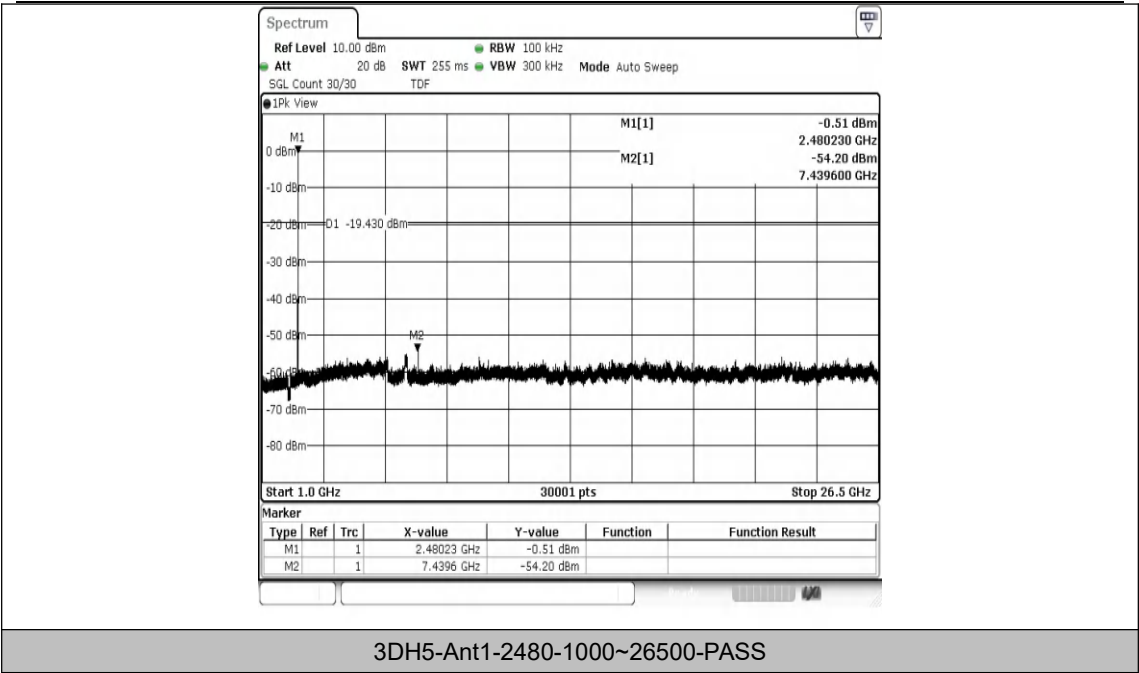
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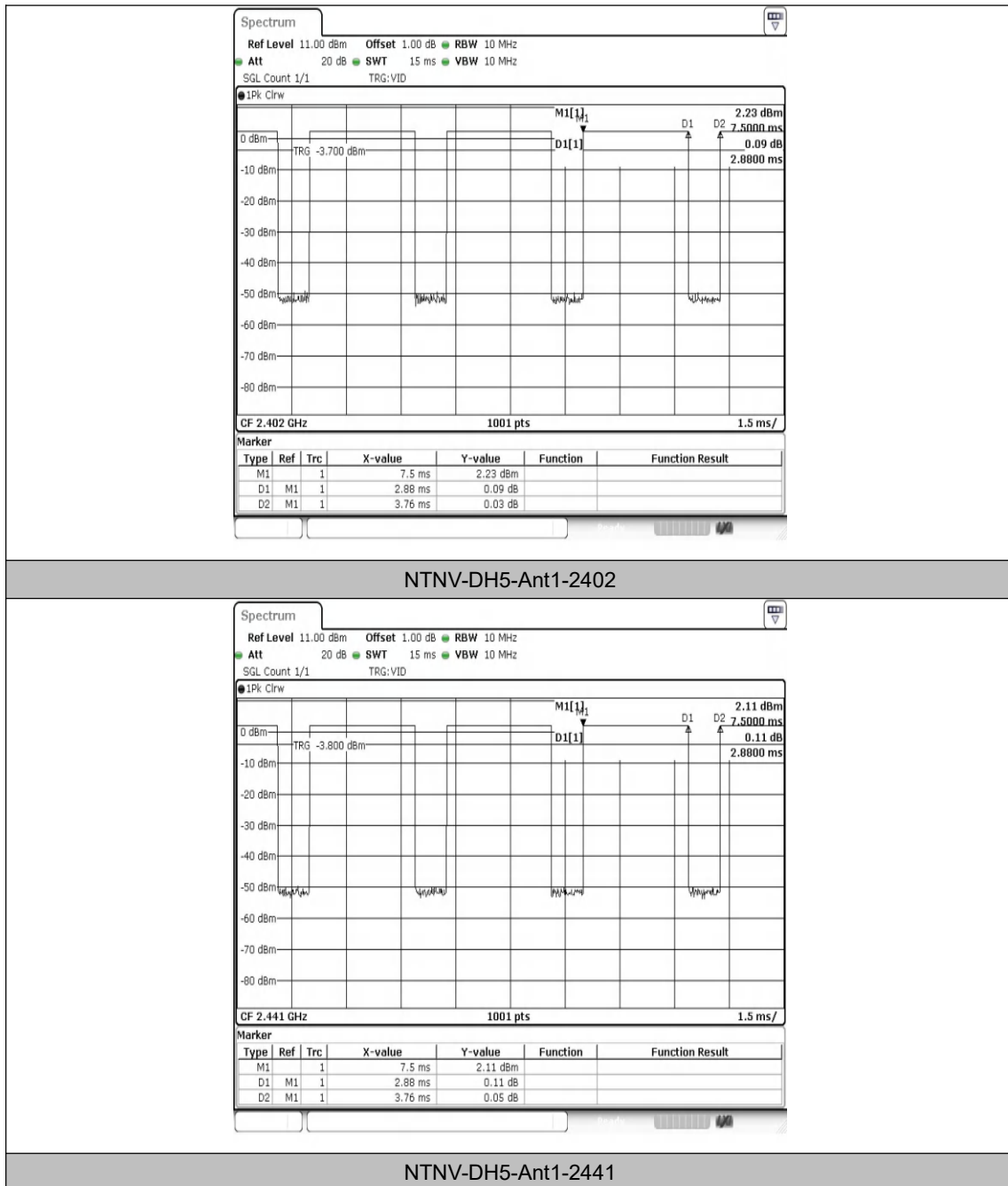
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.76	76.60	1.16
DH5	Ant1	2441	2.88	3.76	76.60	1.16
DH5	Ant1	2480	2.88	3.76	76.60	1.16
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	2.89	3.76	76.86	1.14
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

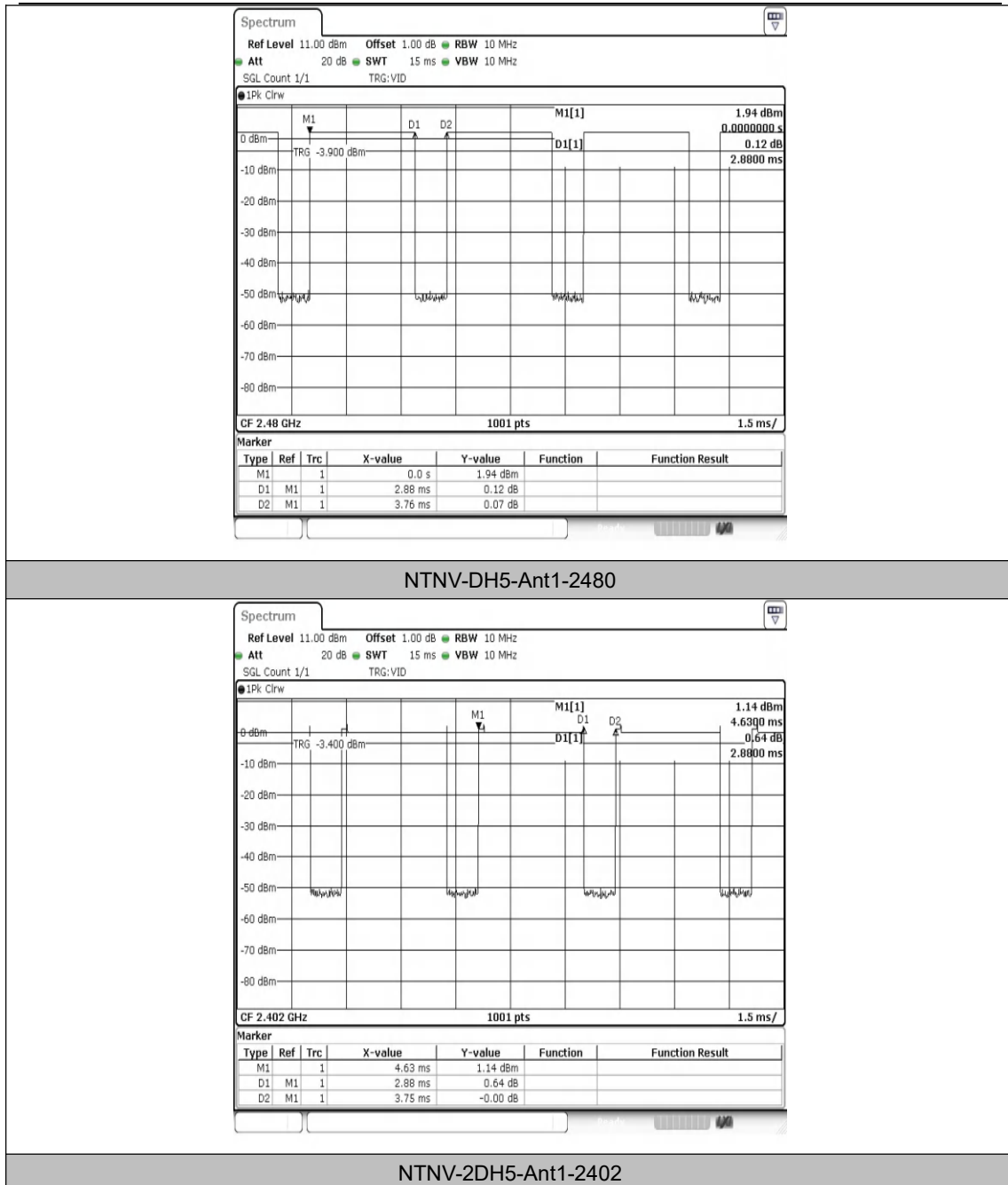
Test Graphs

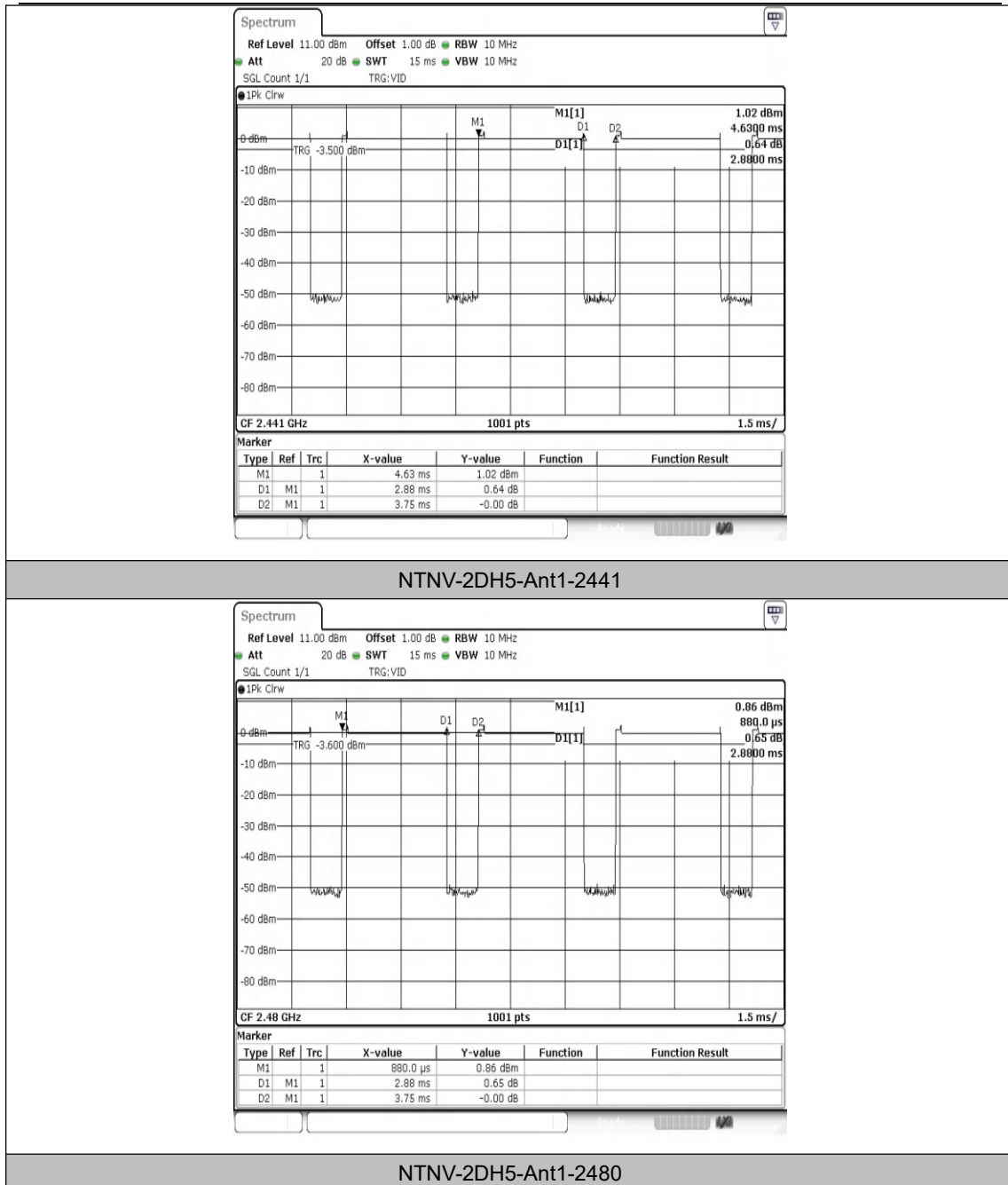


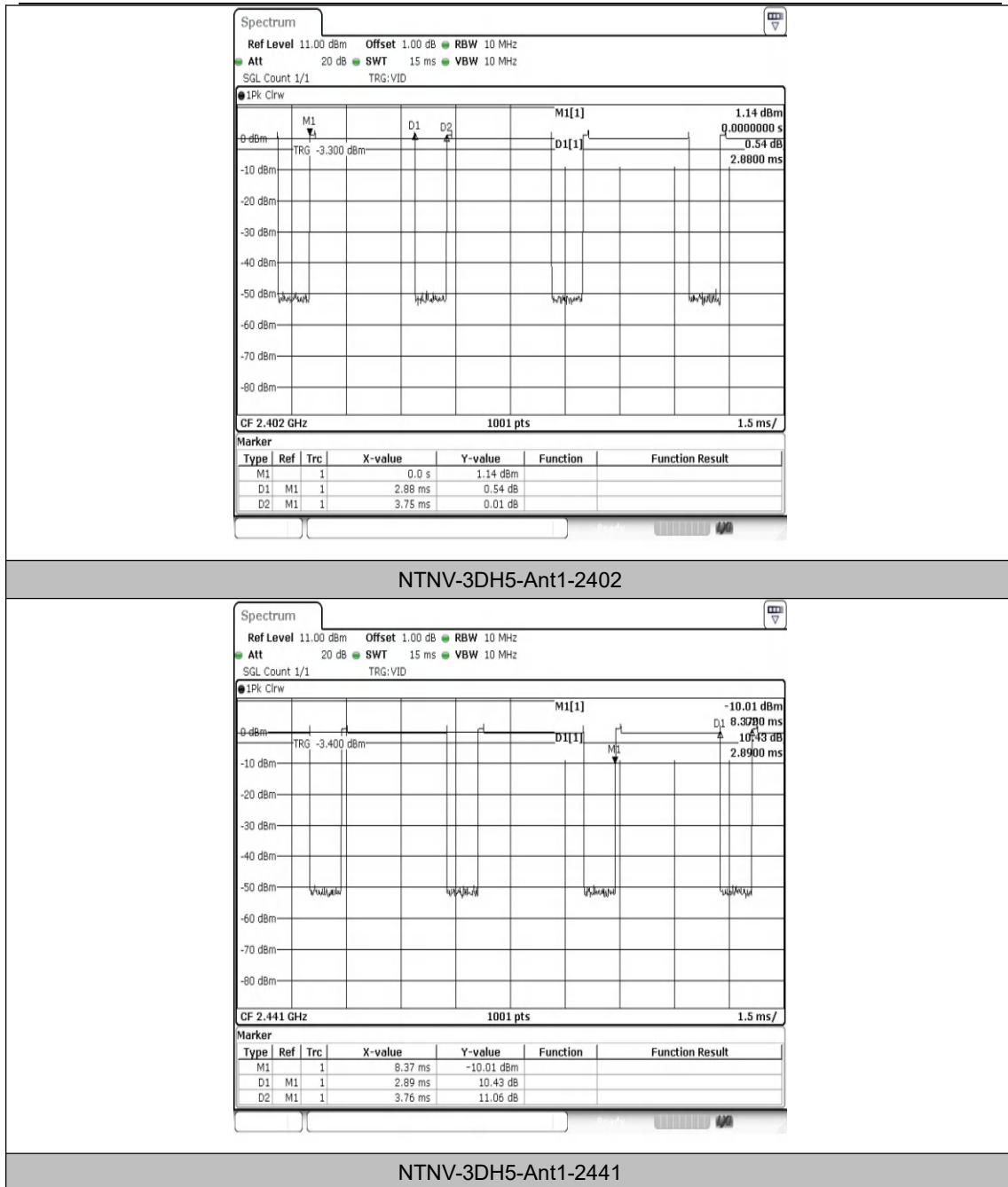
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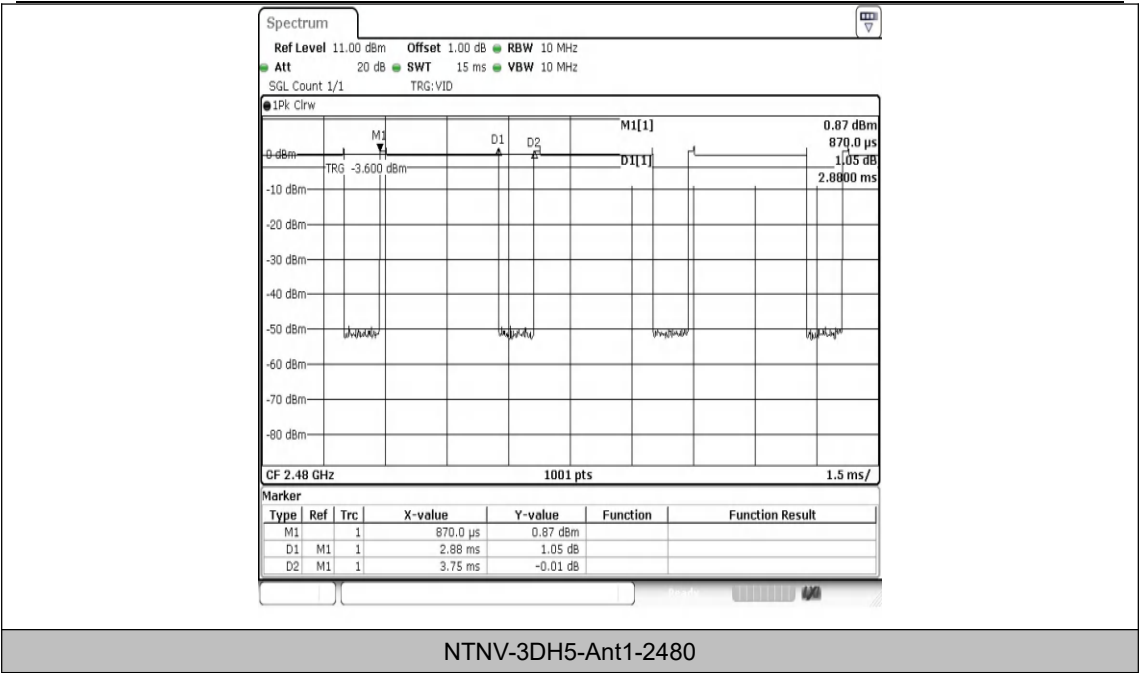
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---End---