

Appendix Test Data

Report No.:	1812C50264912501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-30	Finish Test Date:	2025-6-5
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	50%
Pressure:	101kPa		

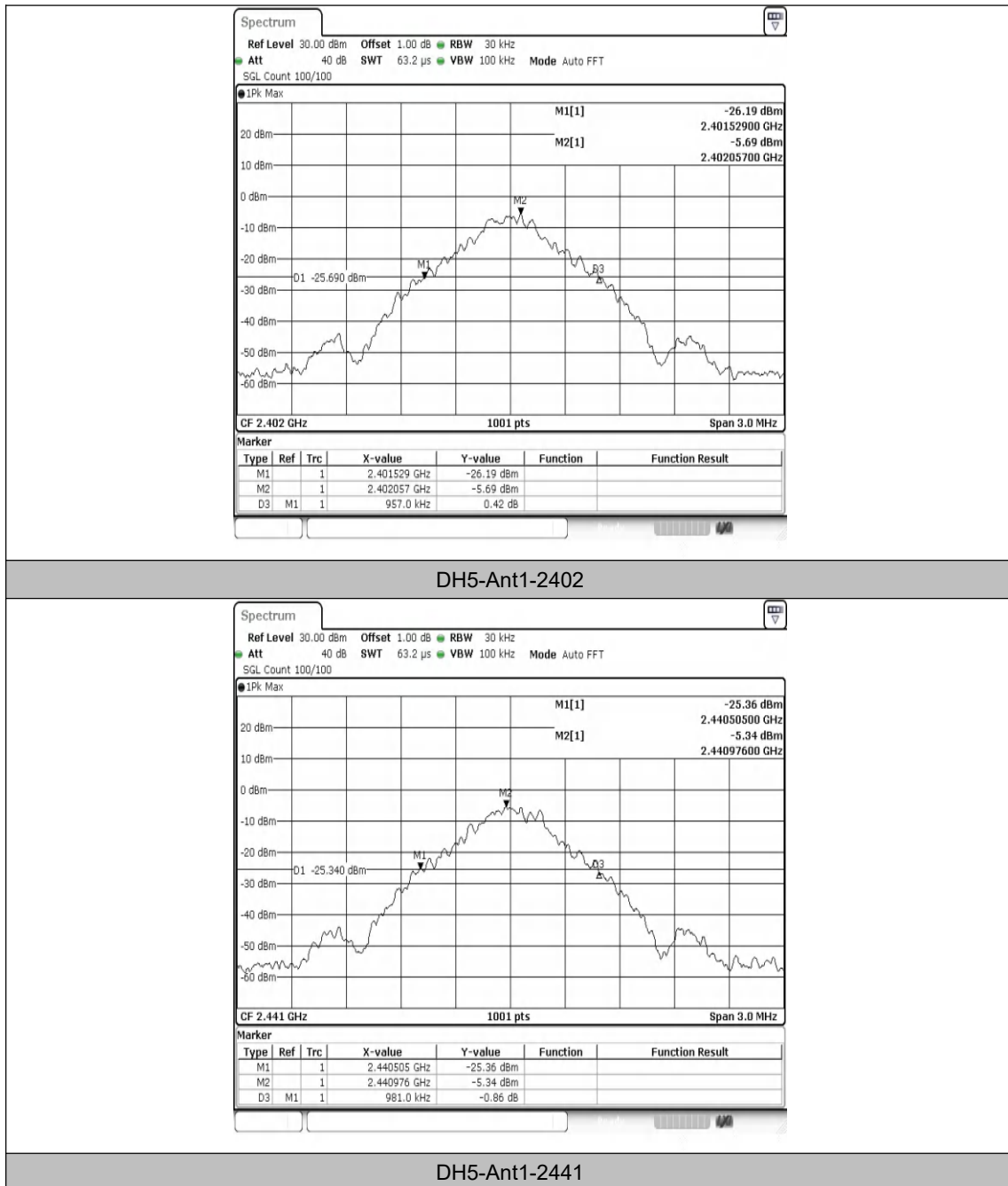
Appendix A: 20dB Bandwidth

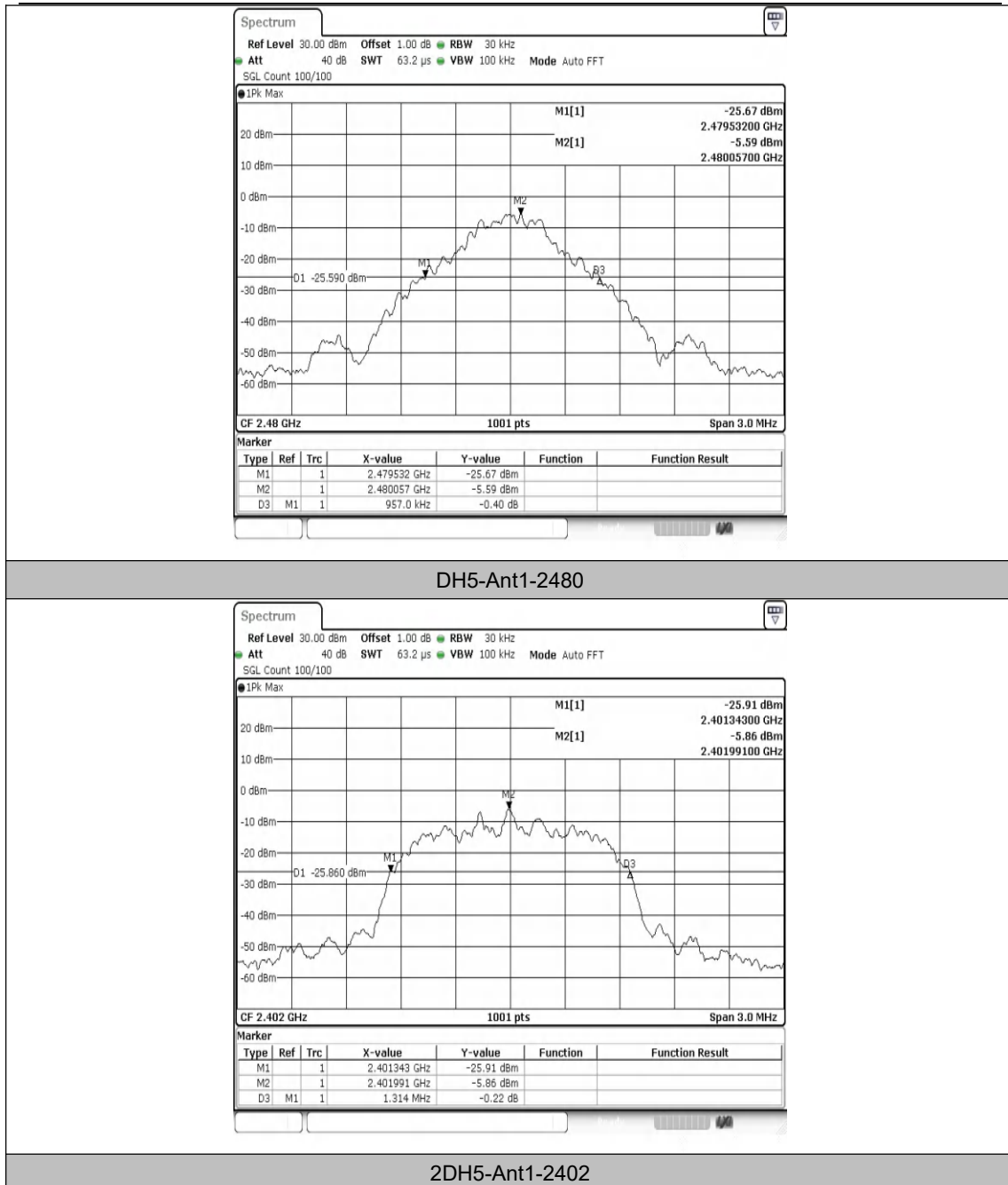
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.53	2402.49	---	---
DH5	Ant1	2441	0.98	2440.51	2441.49	---	---
DH5	Ant1	2480	0.96	2479.53	2480.49	---	---
2DH5	Ant1	2402	1.31	2401.34	2402.66	---	---
2DH5	Ant1	2441	1.29	2440.37	2441.65	---	---
2DH5	Ant1	2480	1.28	2479.37	2480.65	---	---
3DH5	Ant1	2402	0.96	2401.54	2402.50	---	---
3DH5	Ant1	2441	1.02	2440.50	2441.52	---	---
3DH5	Ant1	2480	0.99	2479.52	2480.51	---	---



Test Graphs

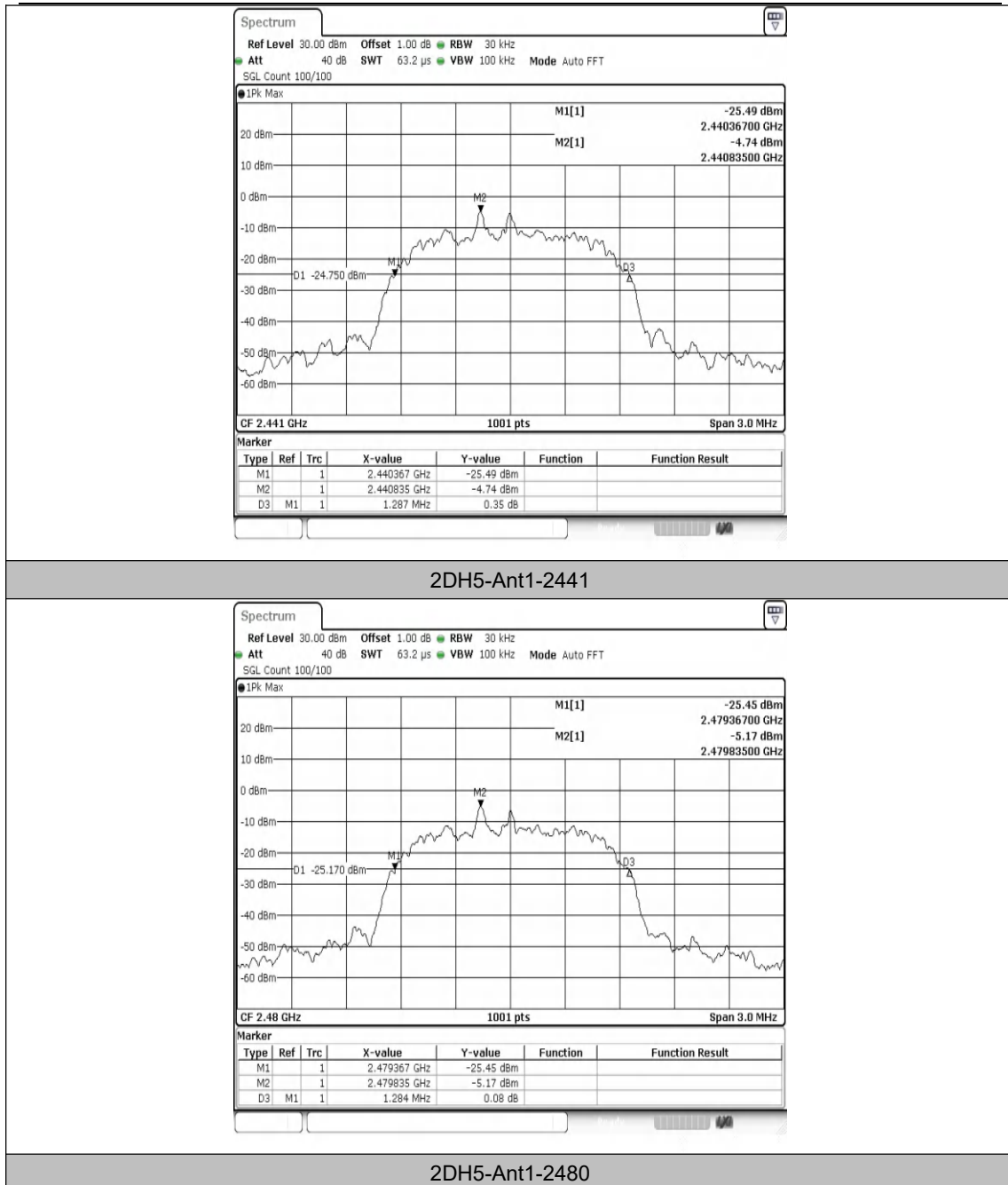




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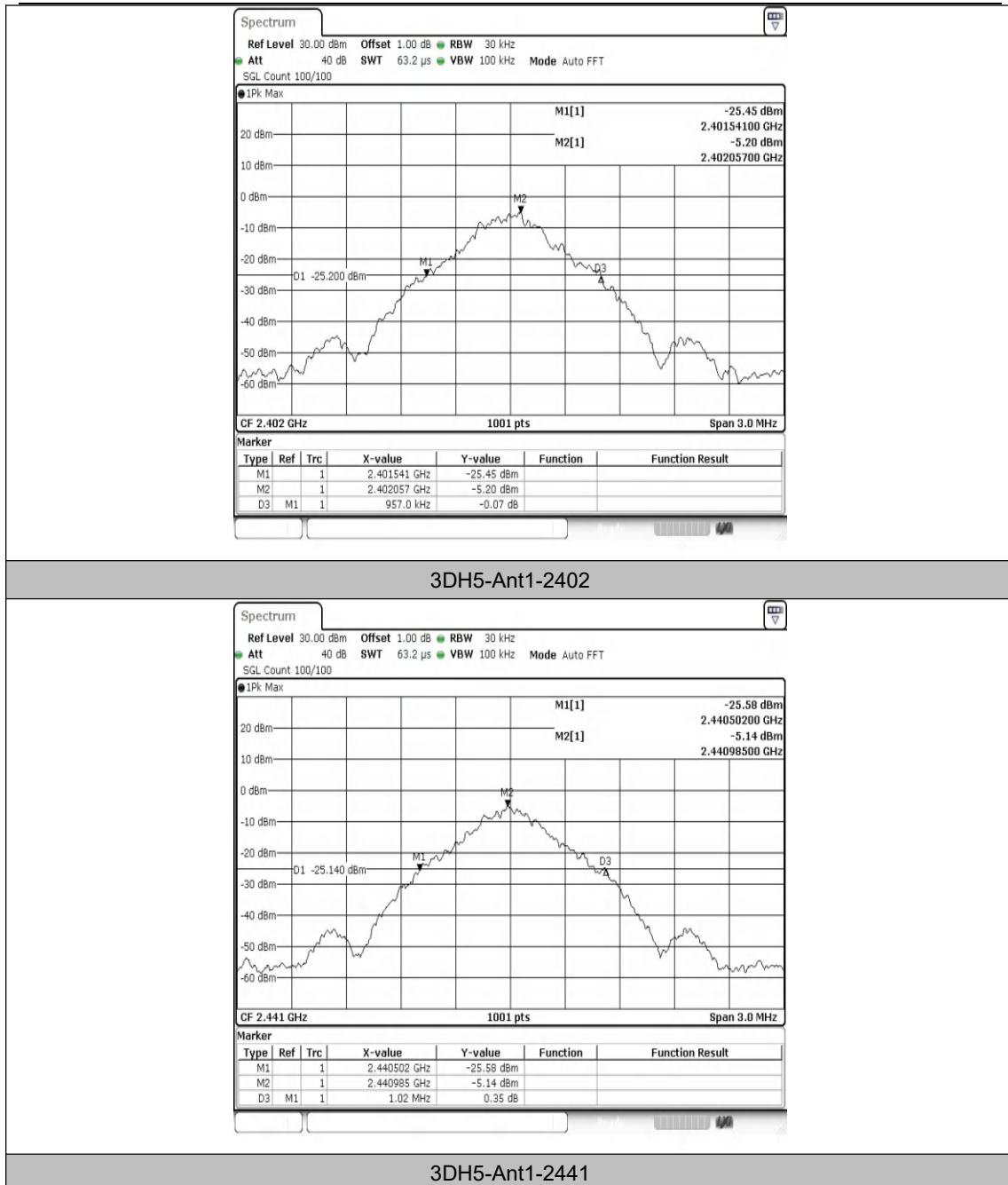
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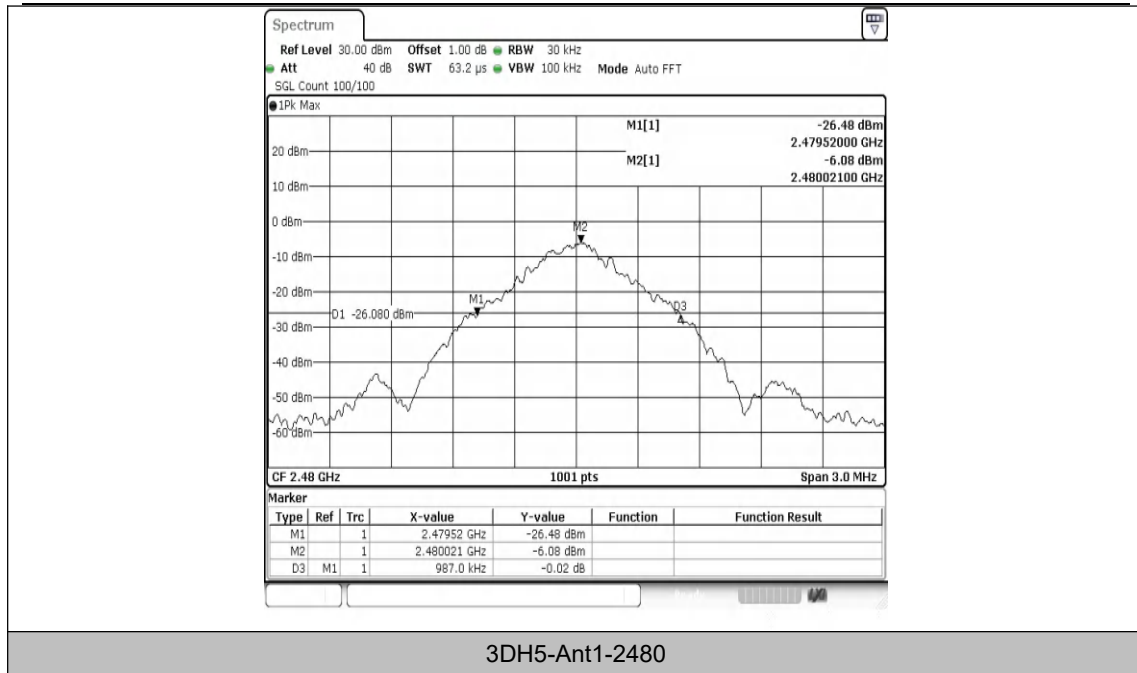
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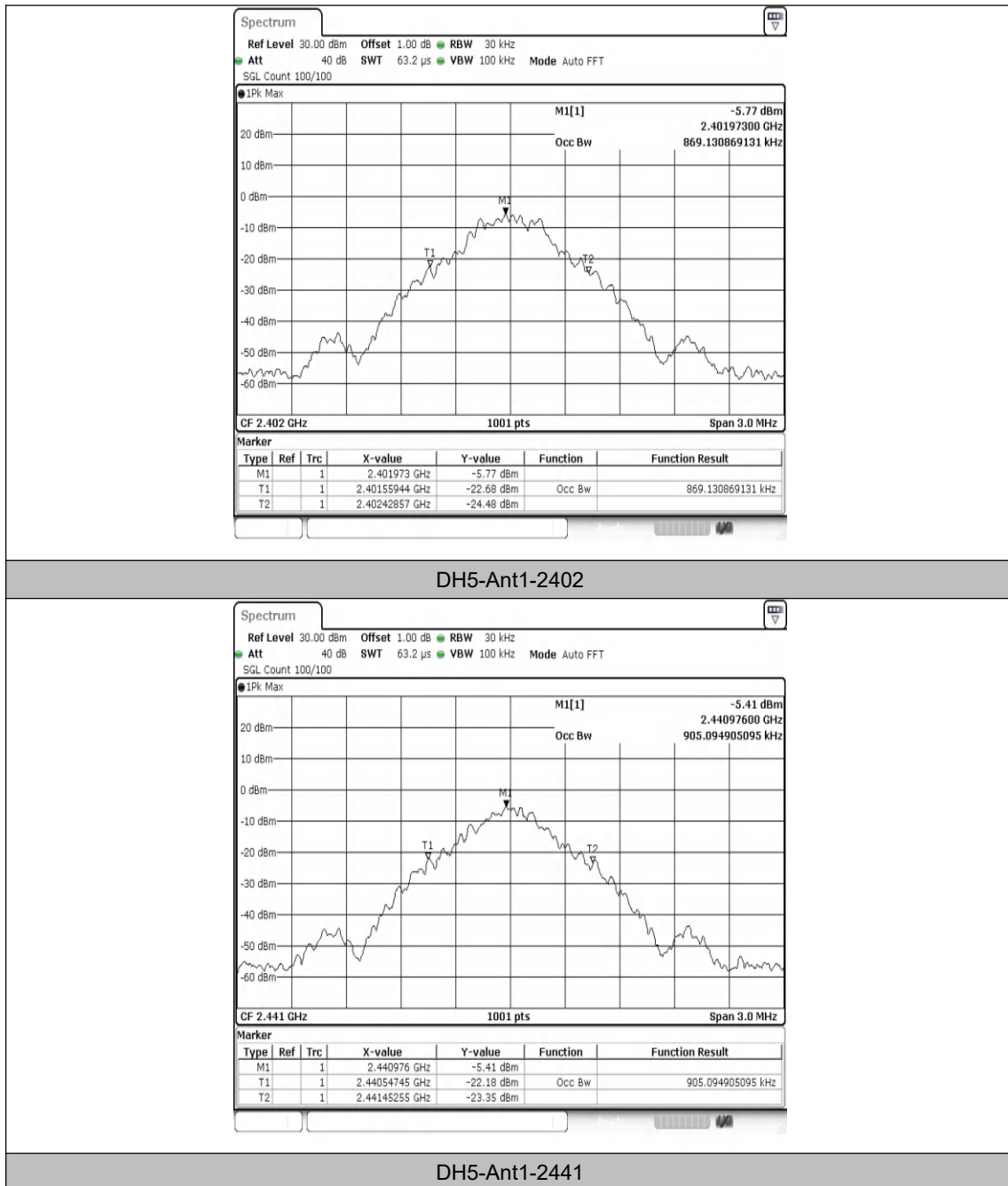
Appendix B: 99% Occupied Bandwidth

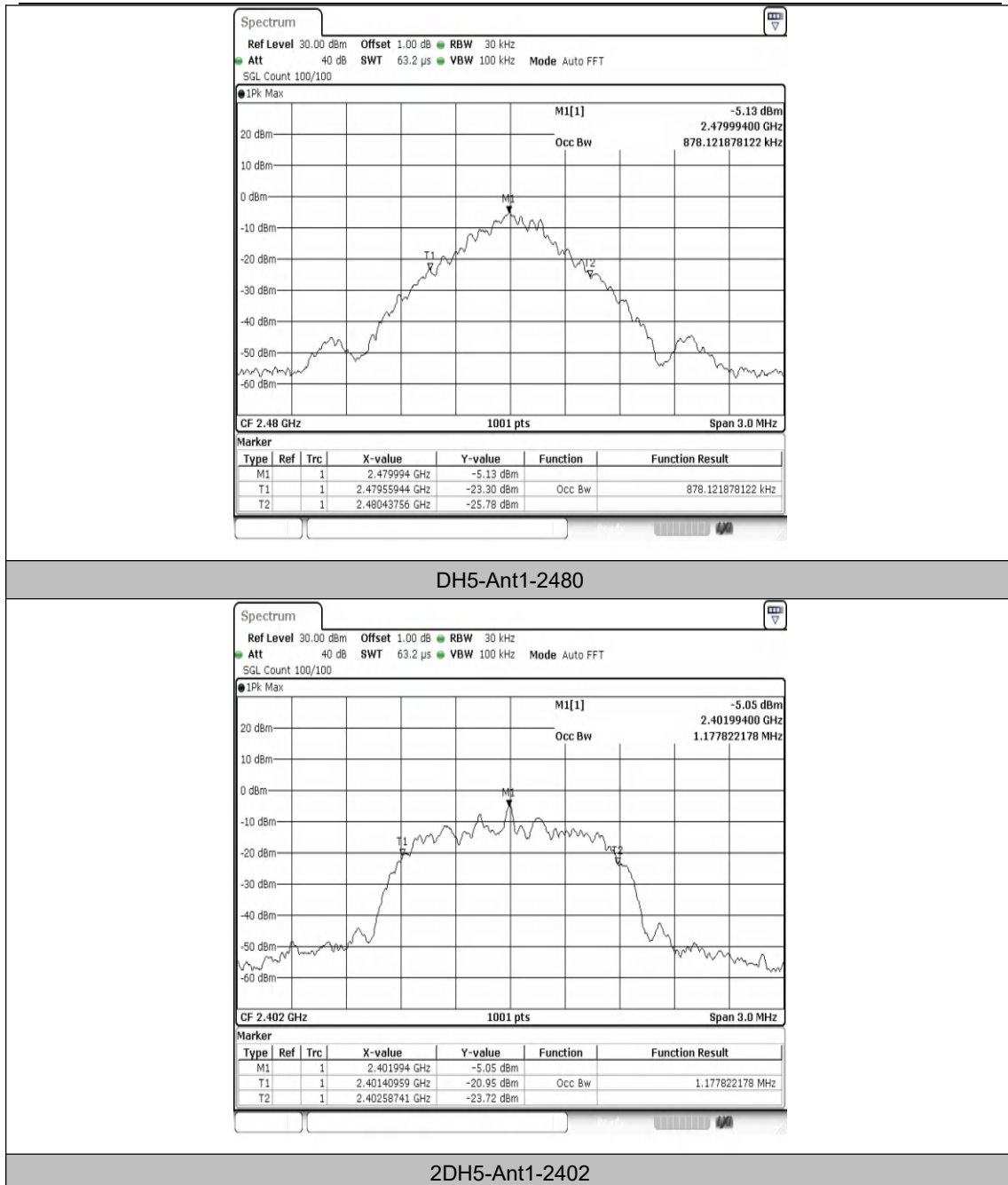
Test Result

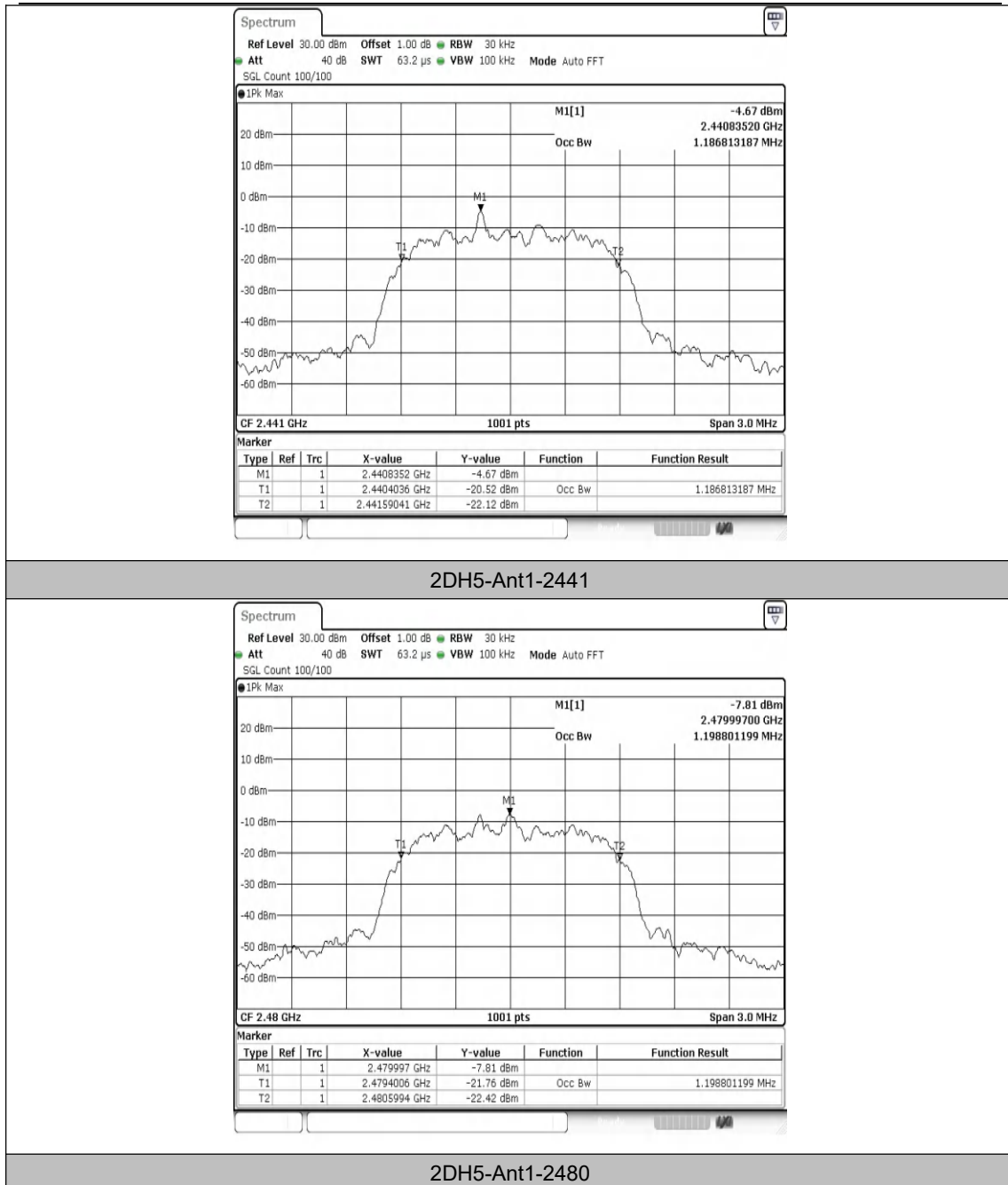
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86913	2401.5594	2402.4286	---	---
DH5	Ant1	2441	0.90509	2440.5475	2441.4525	---	---
DH5	Ant1	2480	0.87812	2479.5594	2480.4376	---	---
2DH5	Ant1	2402	1.1778	2401.4096	2402.5874	---	---
2DH5	Ant1	2441	1.1868	2440.4036	2441.5904	---	---
2DH5	Ant1	2480	1.1988	2479.4006	2480.5994	---	---
3DH5	Ant1	2402	0.88711	2401.5534	2402.4406	---	---
3DH5	Ant1	2441	0.89610	2440.5475	2441.4436	---	---
3DH5	Ant1	2480	0.85714	2479.5714	2480.4286	---	---

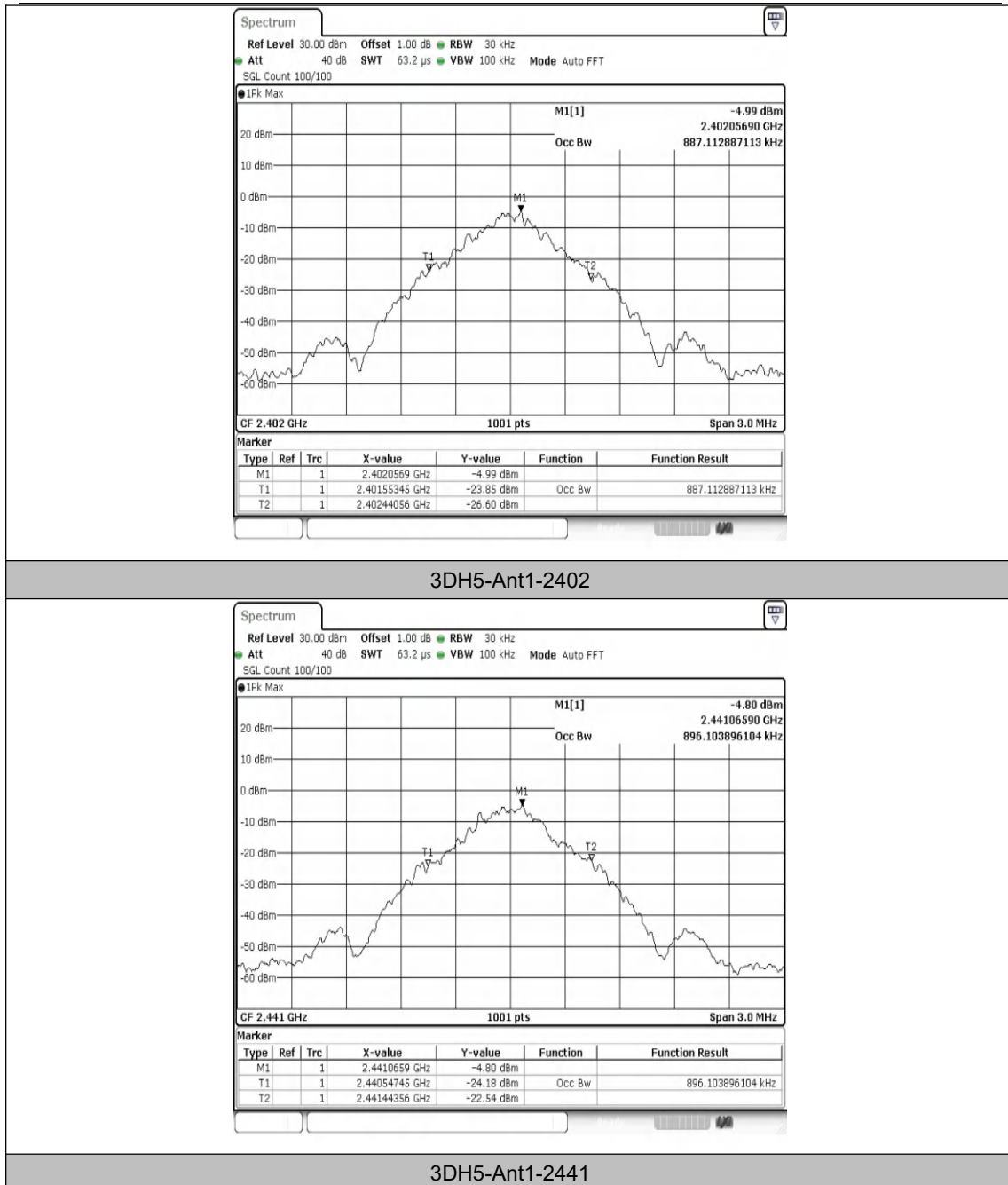


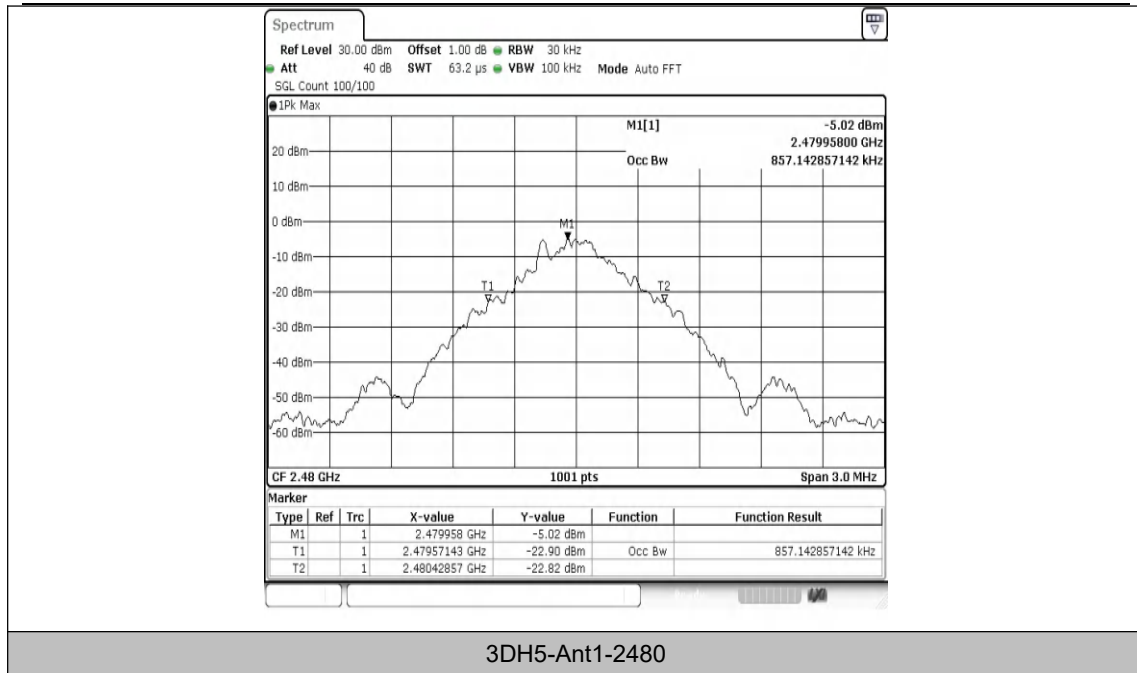
Test Graphs











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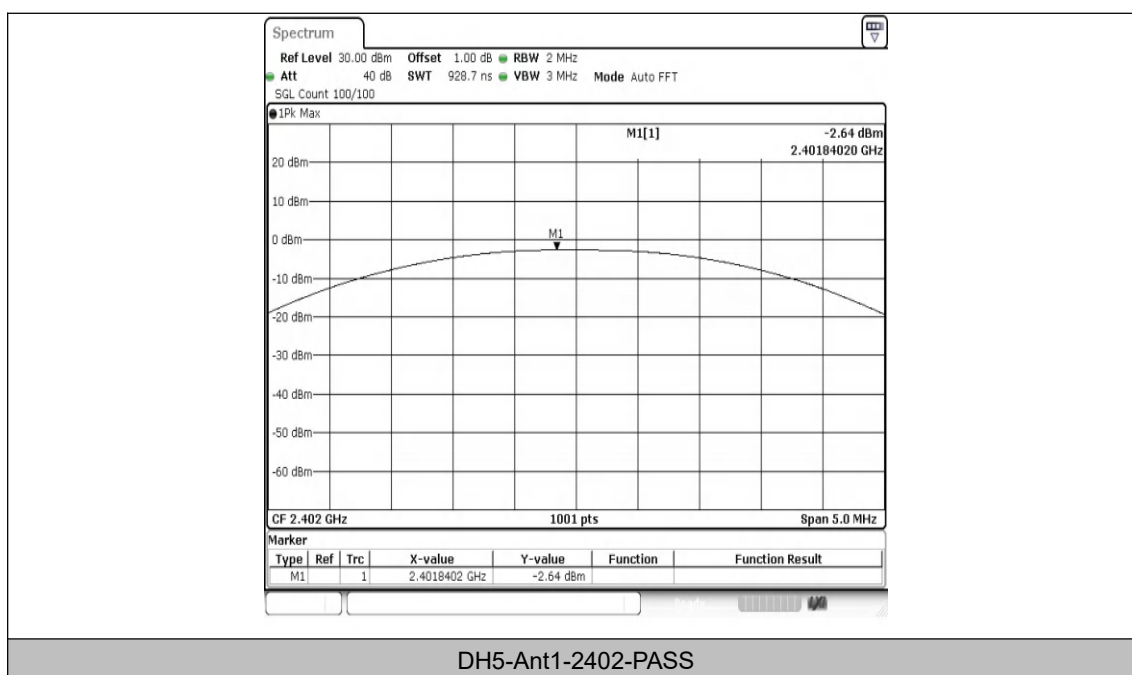
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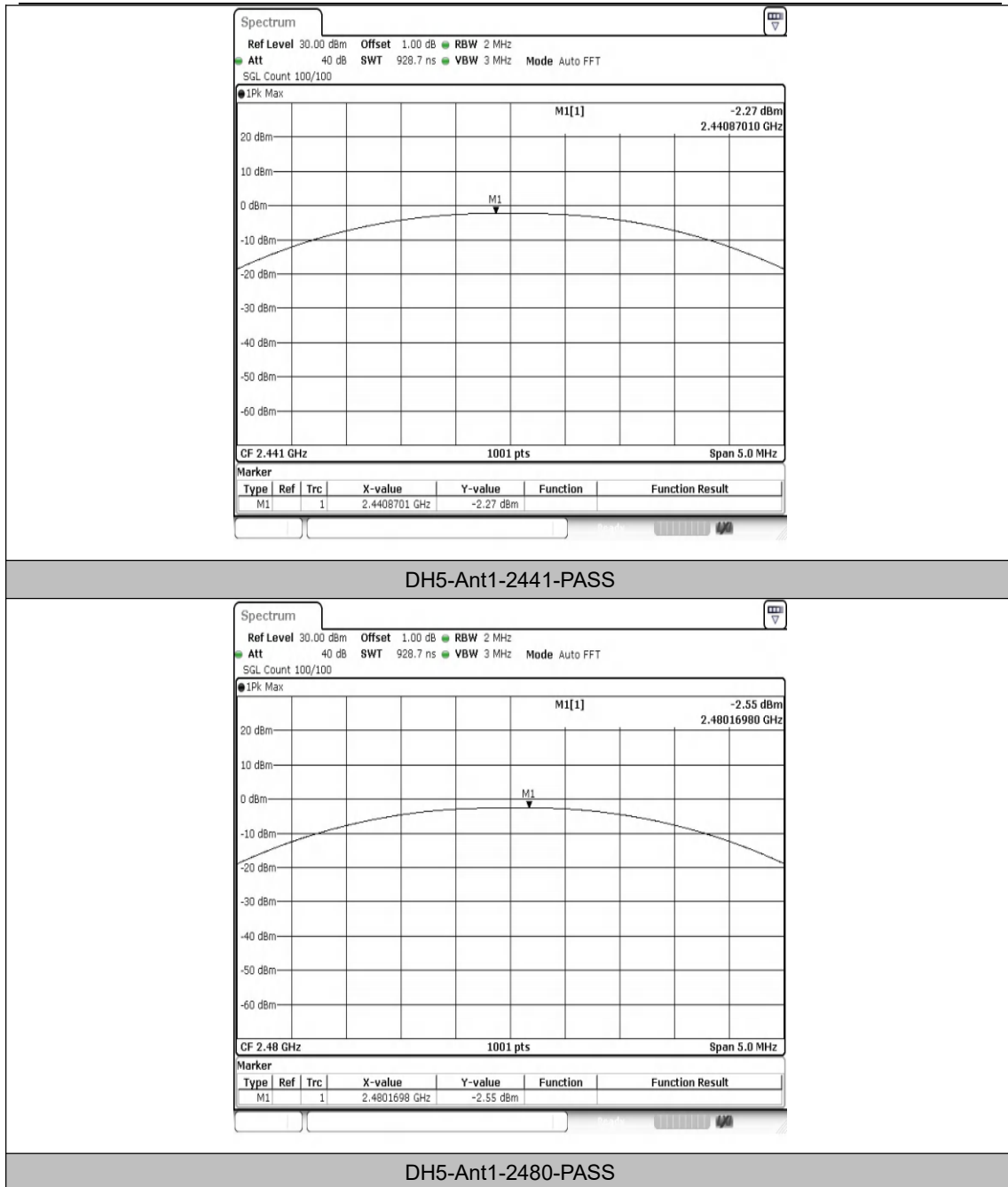
Appendix C: Maximum Conducted Output Power

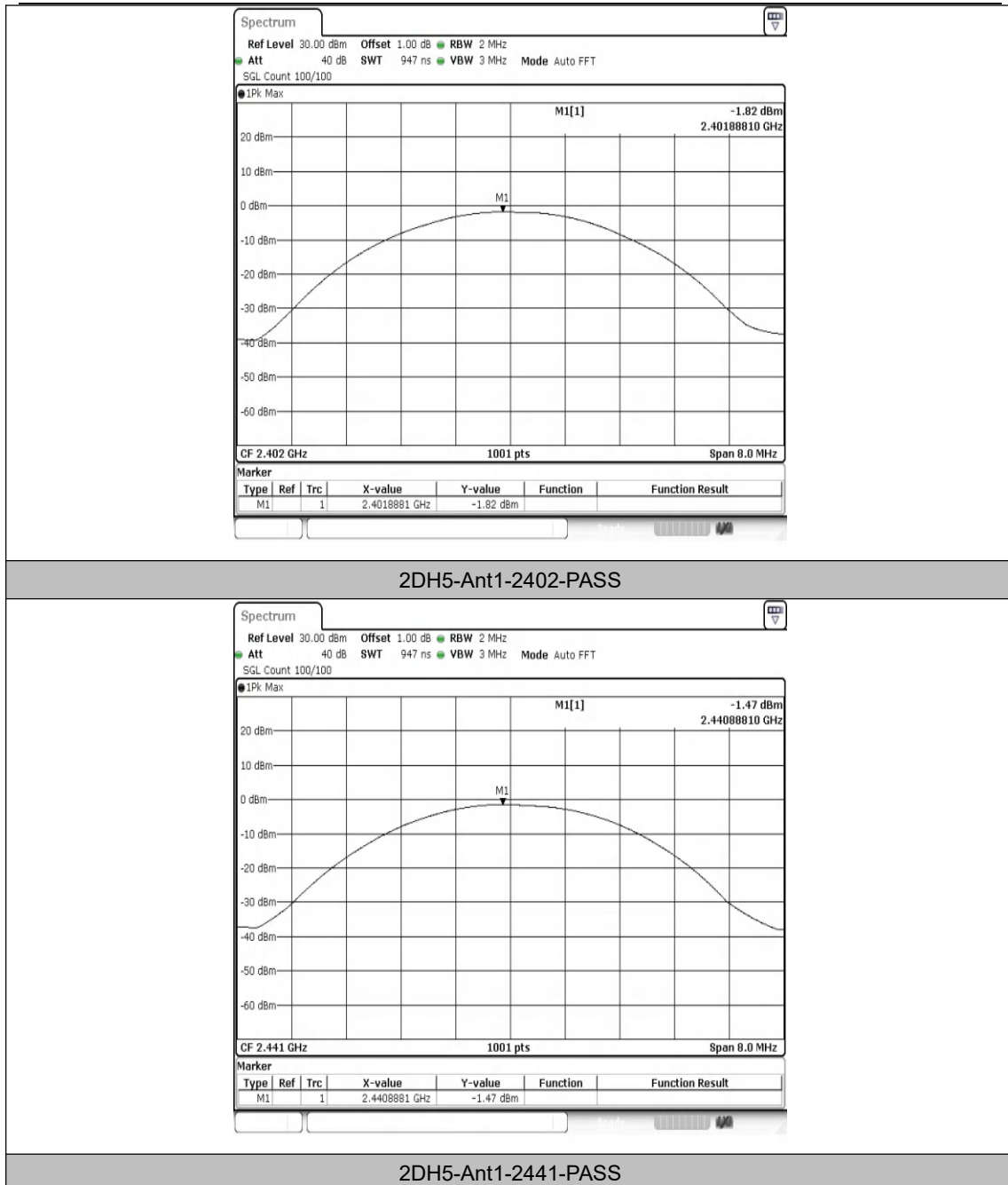
Test Result Peak

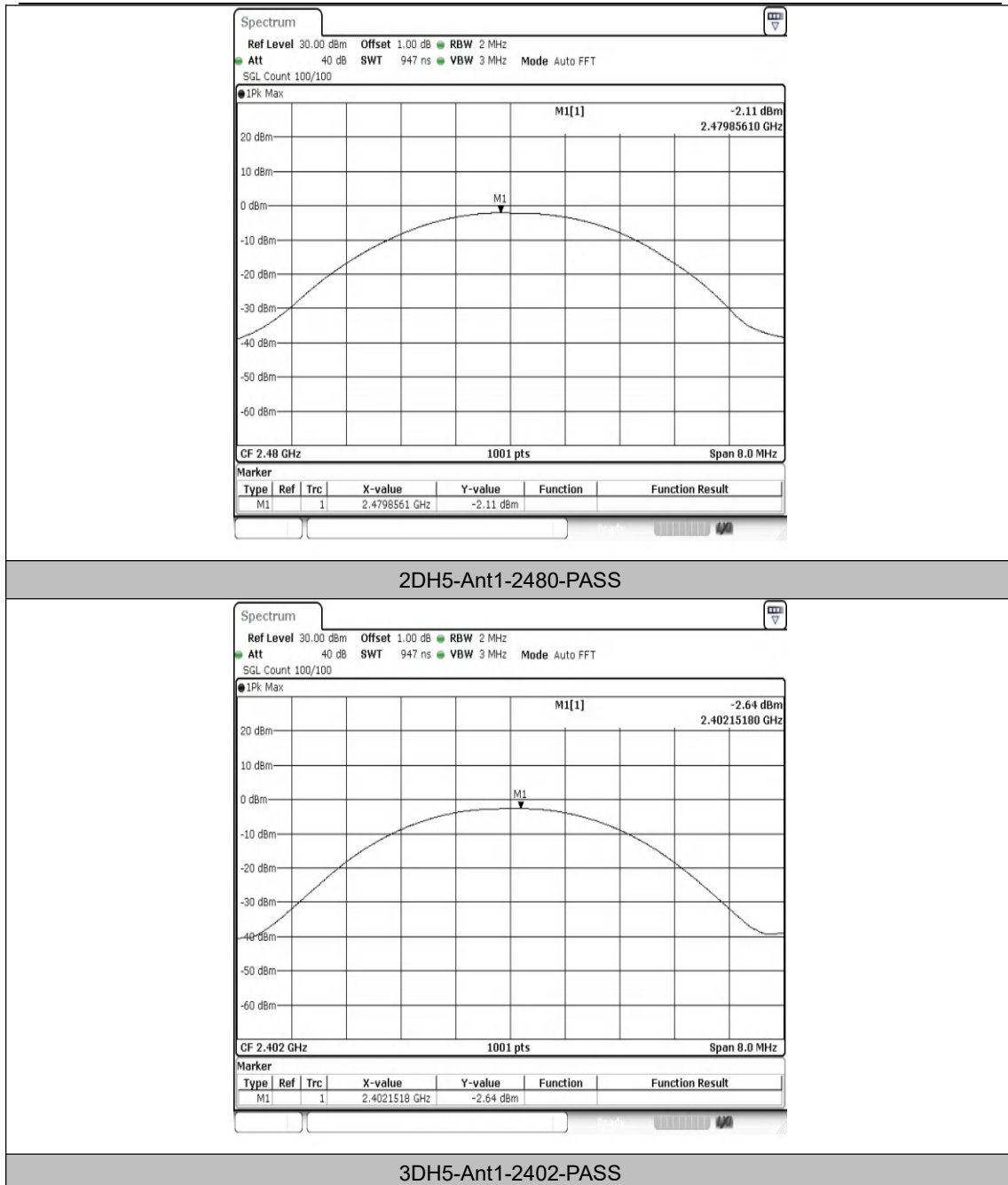
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.64	≤20.97	PASS
DH5	Ant1	2441	-2.27	≤20.97	PASS
DH5	Ant1	2480	-2.55	≤20.97	PASS
2DH5	Ant1	2402	-1.82	≤20.97	PASS
2DH5	Ant1	2441	-1.47	≤20.97	PASS
2DH5	Ant1	2480	-2.11	≤20.97	PASS
3DH5	Ant1	2402	-2.64	≤20.97	PASS
3DH5	Ant1	2441	-2.28	≤20.97	PASS
3DH5	Ant1	2480	-2.61	≤20.97	PASS

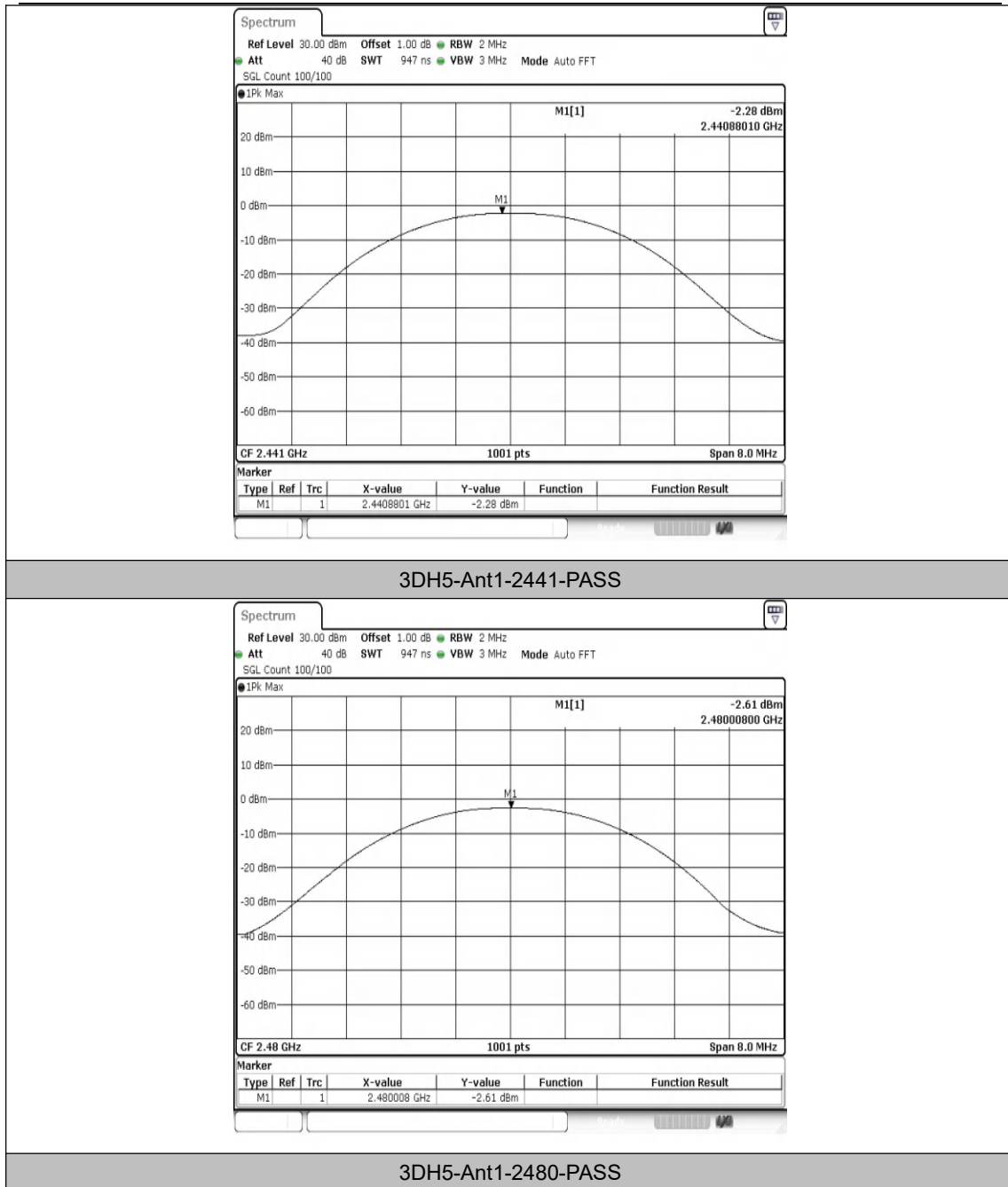
Test Graphs











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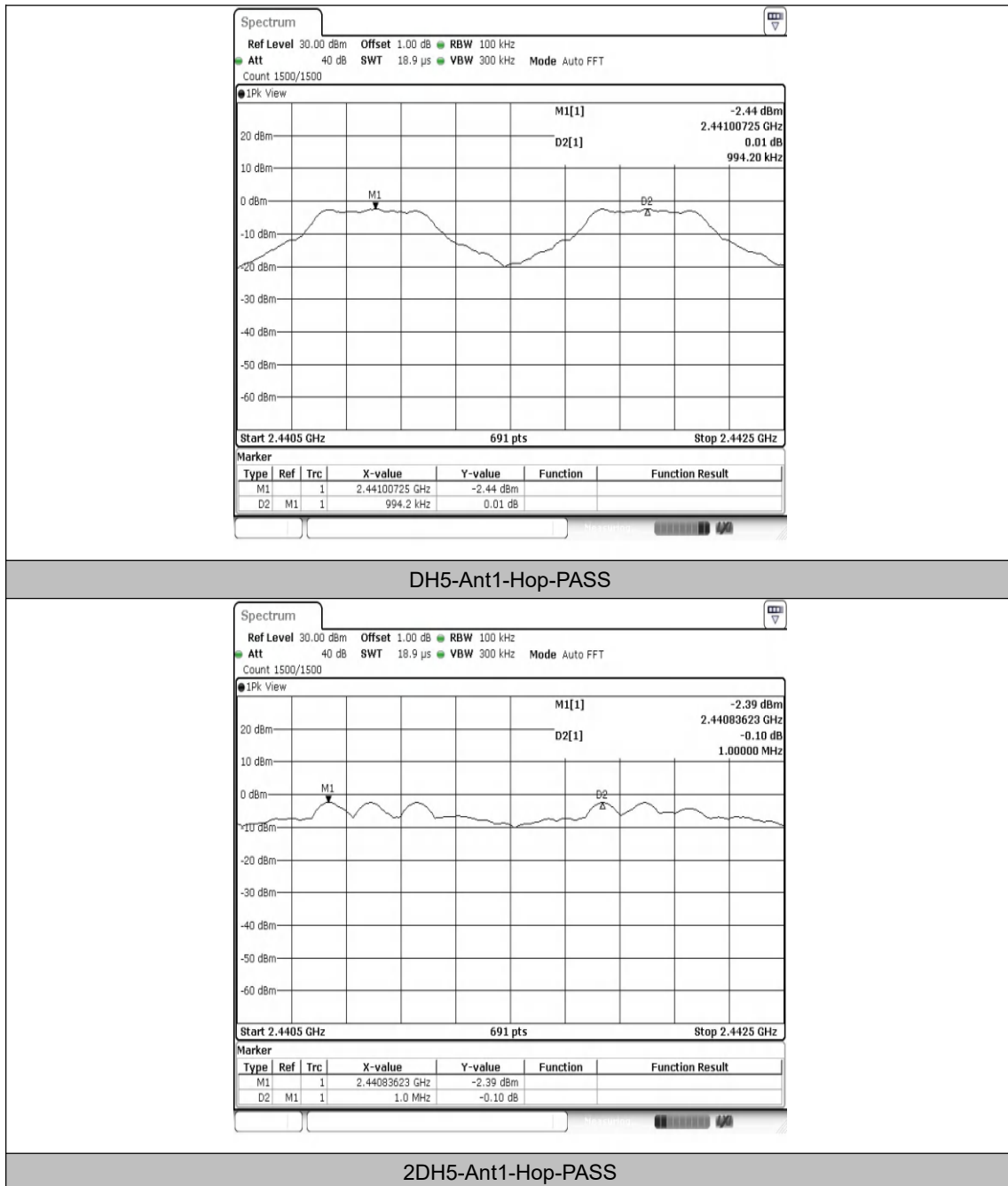
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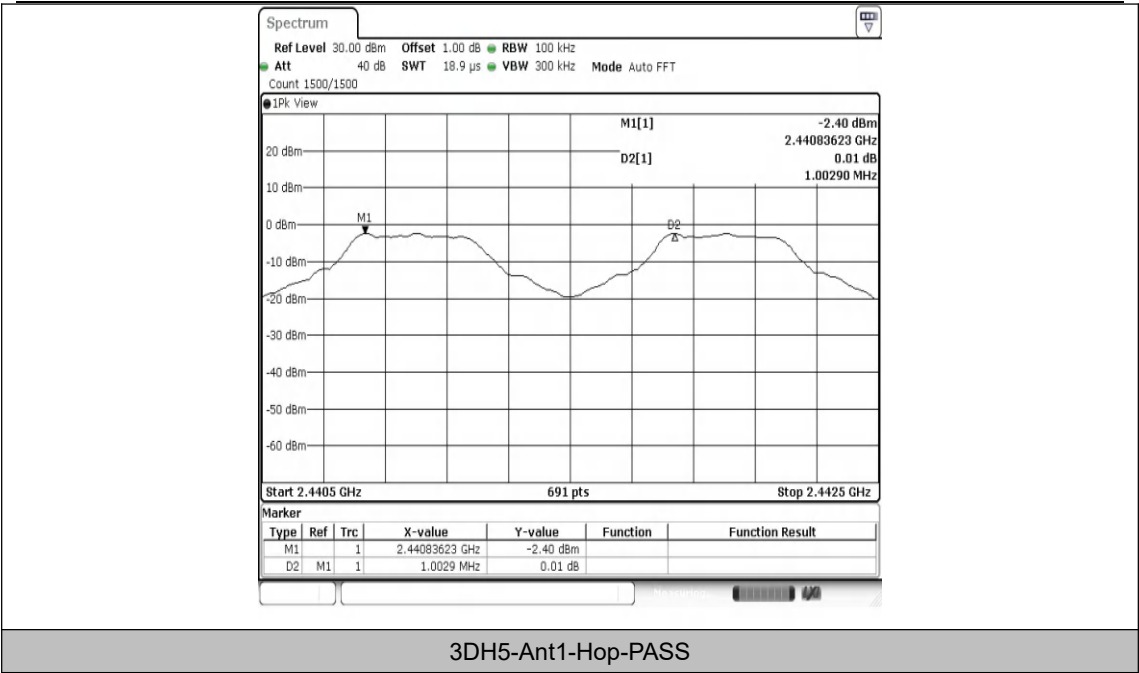
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.980	PASS
2DH5	Ant1	Hop	1	≥0.873	PASS
3DH5	Ant1	Hop	1.003	≥0.680	PASS

Test Graphs





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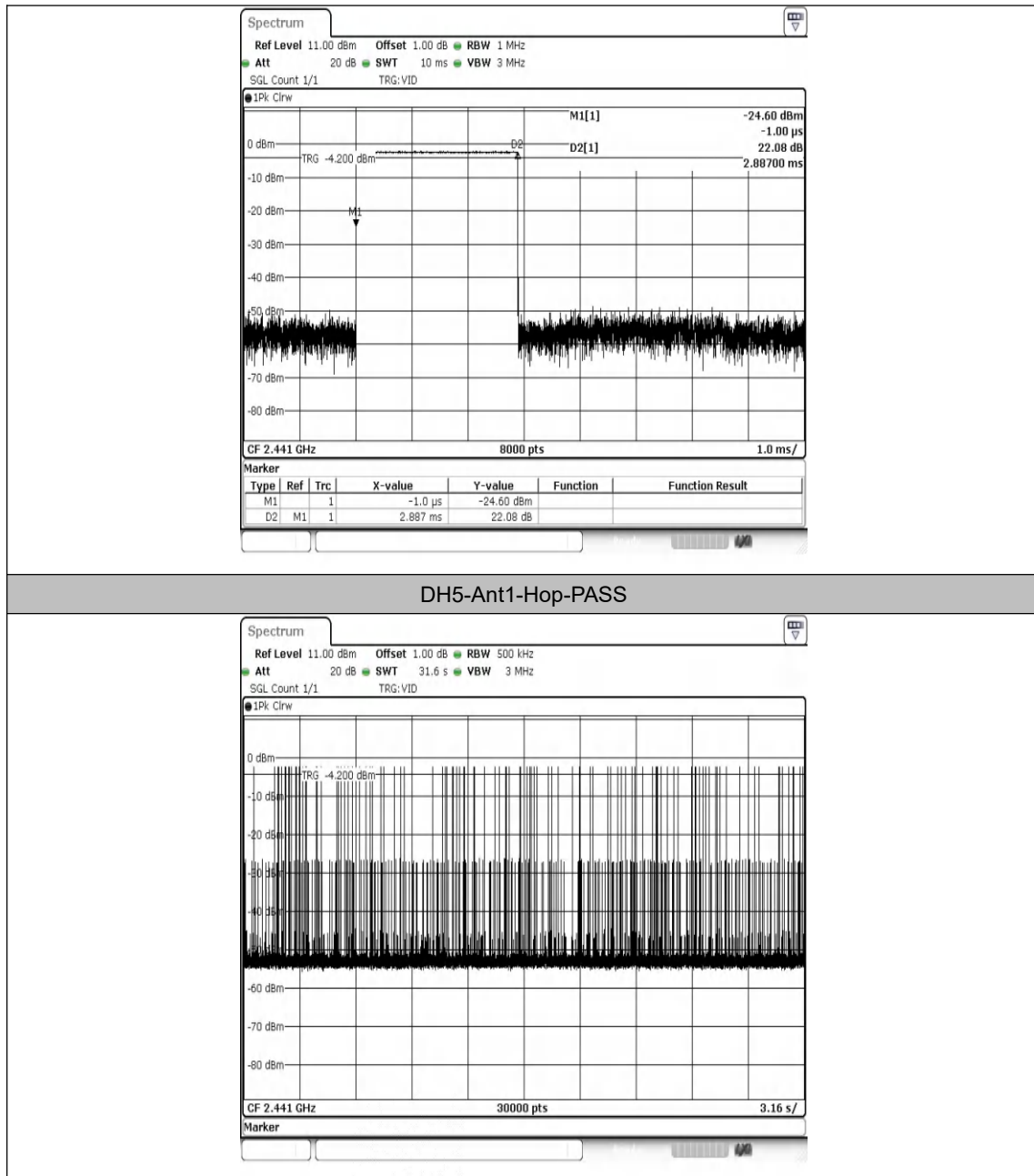
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	103	0.297	≤0.4	PASS
2DH5	Ant1	Hop	2.892	109	0.315	≤0.4	PASS
3DH5	Ant1	Hop	2.362	114	0.269	≤0.4	PASS

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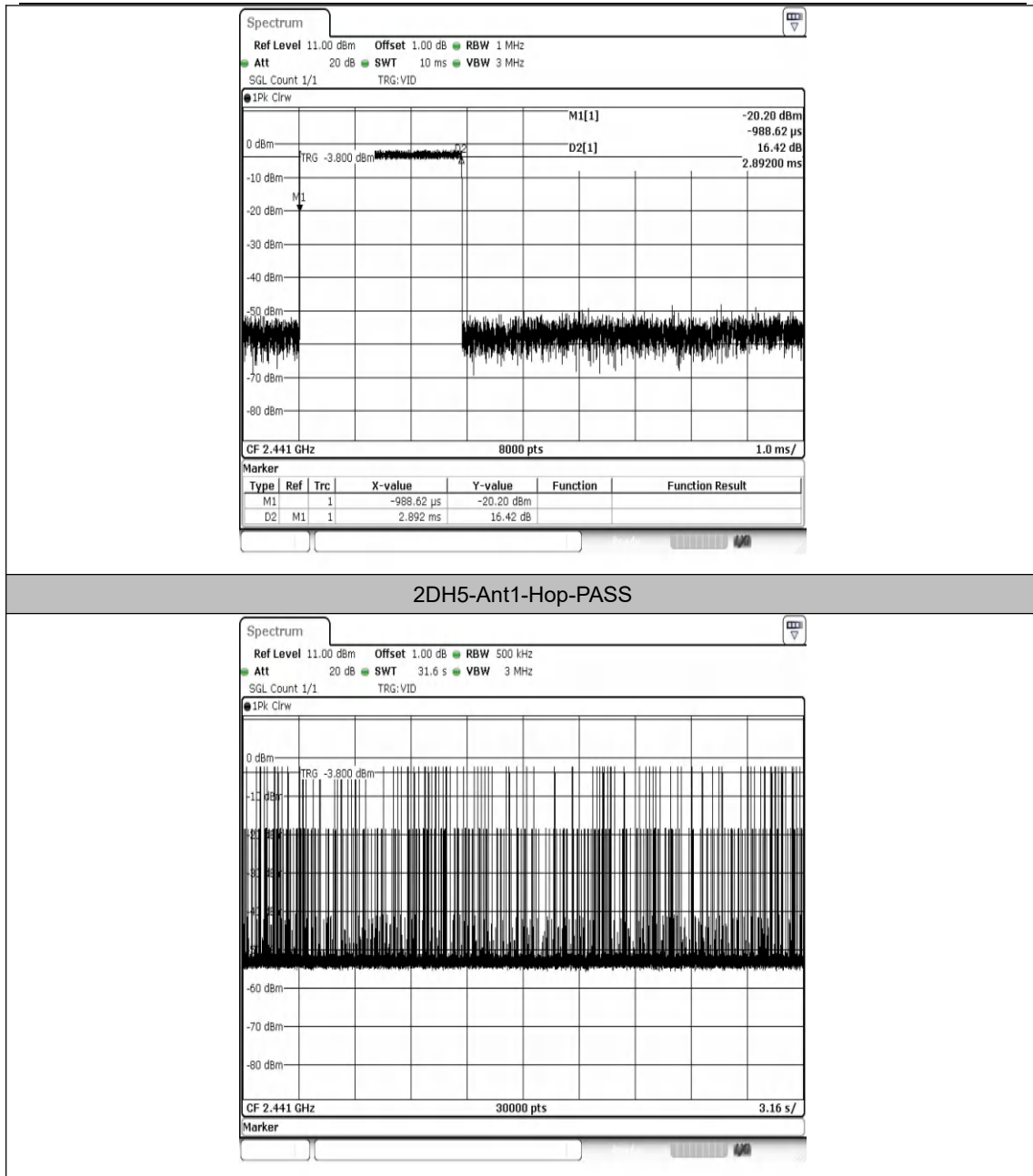
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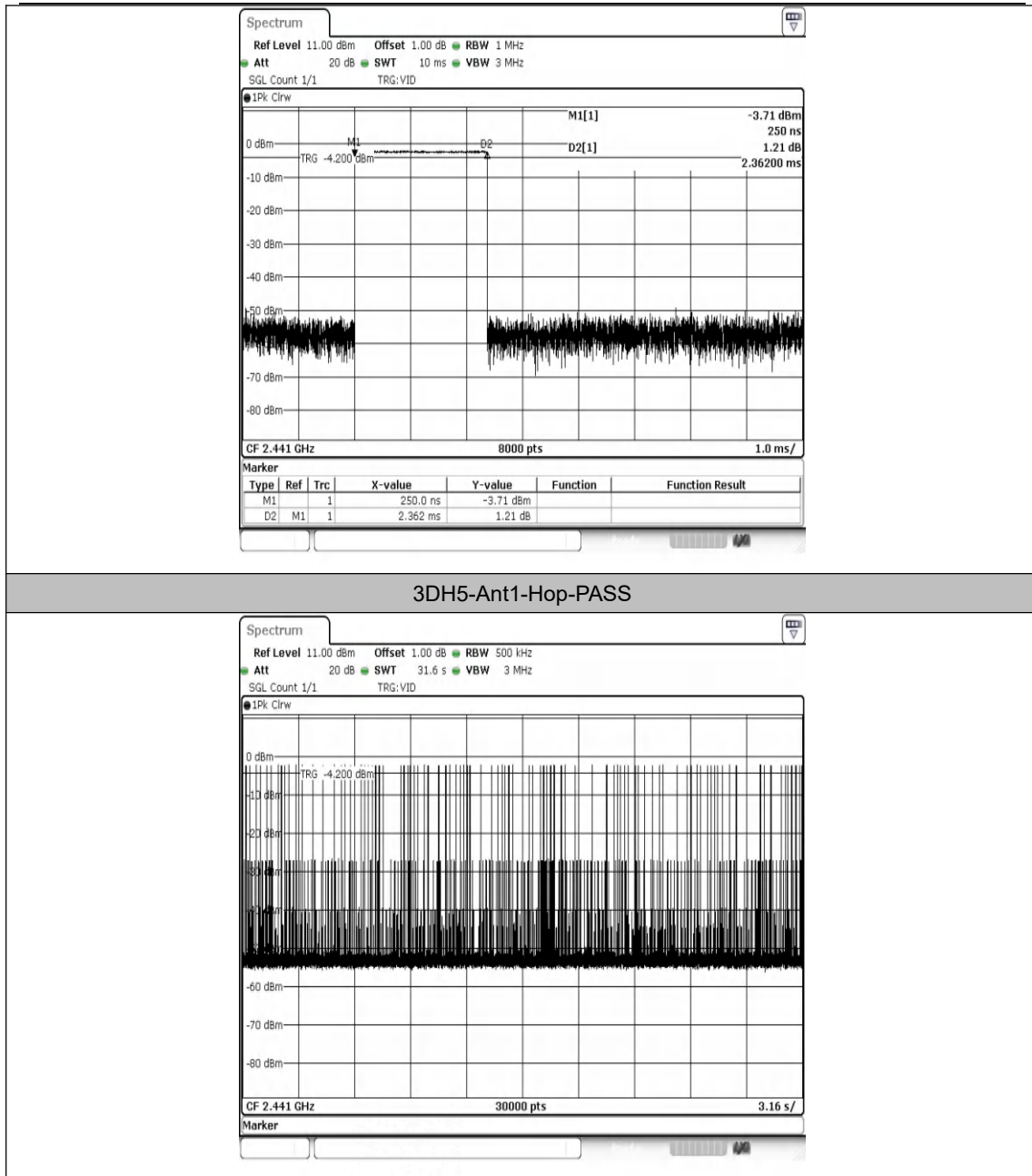
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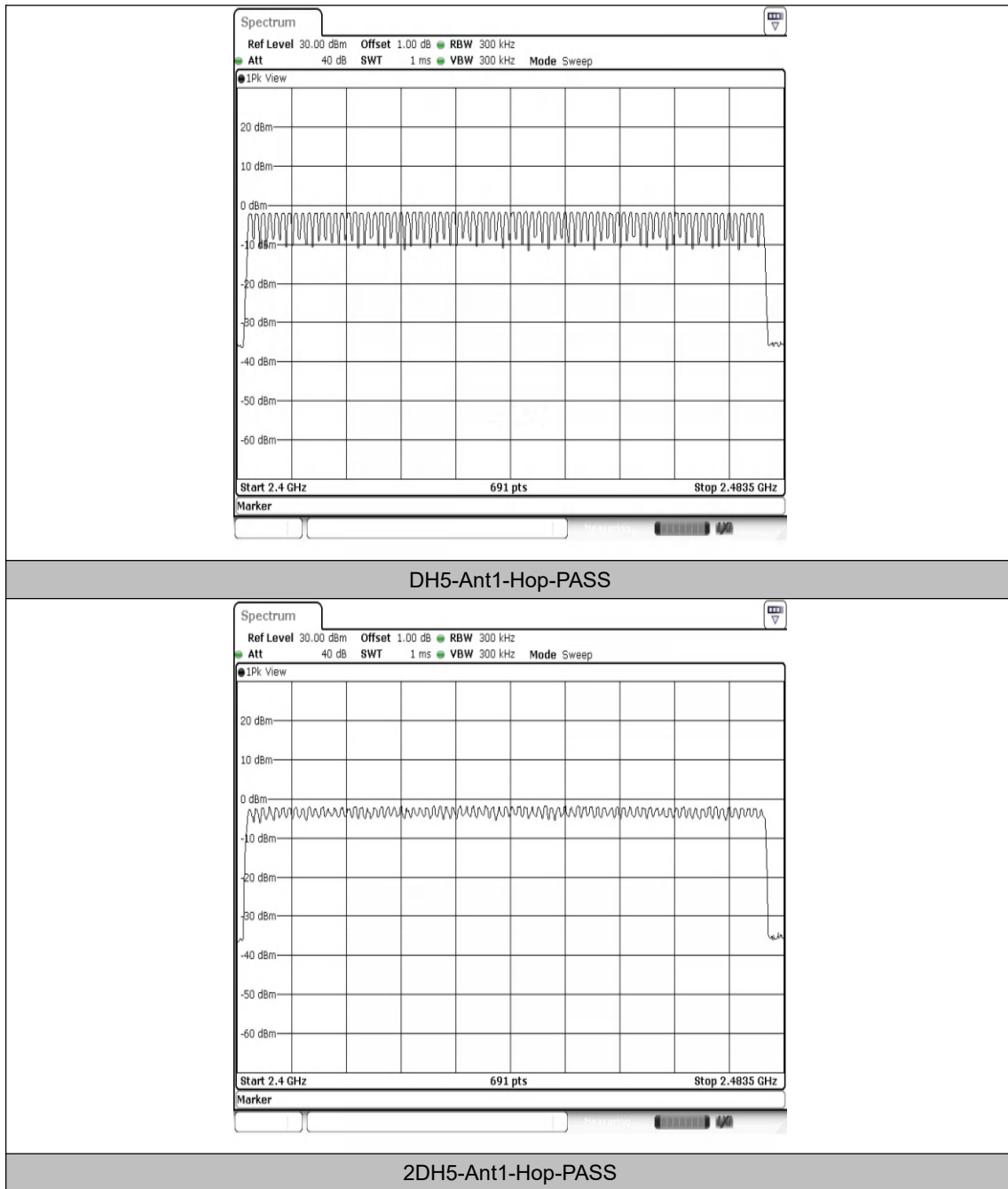
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Appendix F: Number of Hopping Channel

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

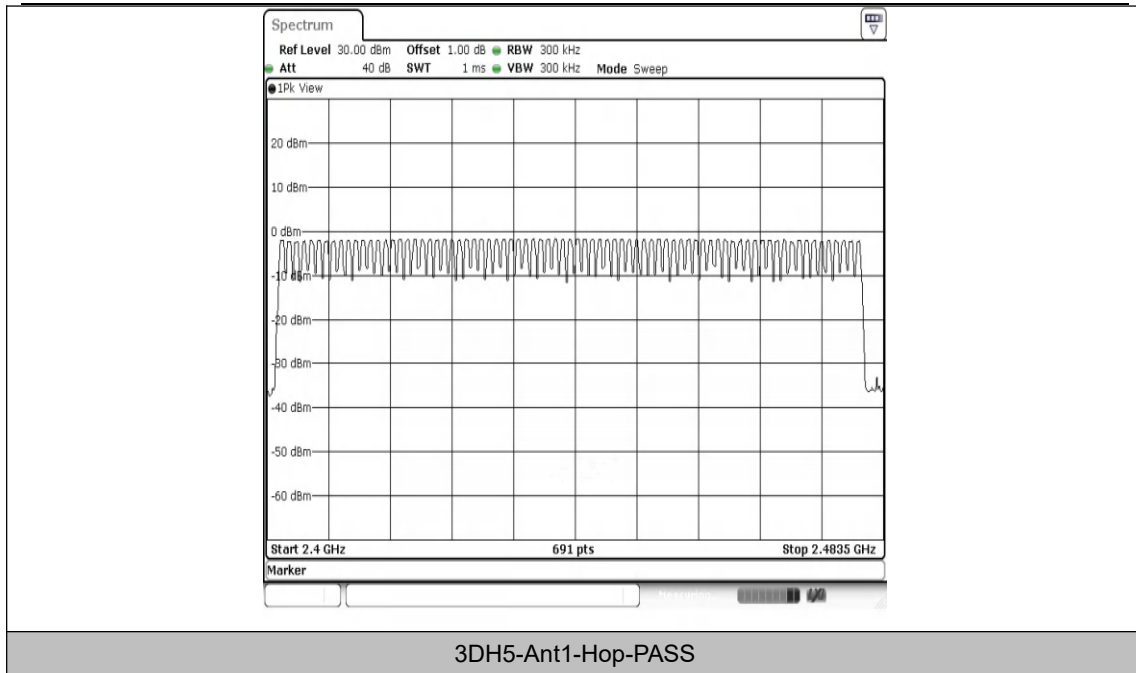
Test Graphs



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Appendix G: Conducted Band edge

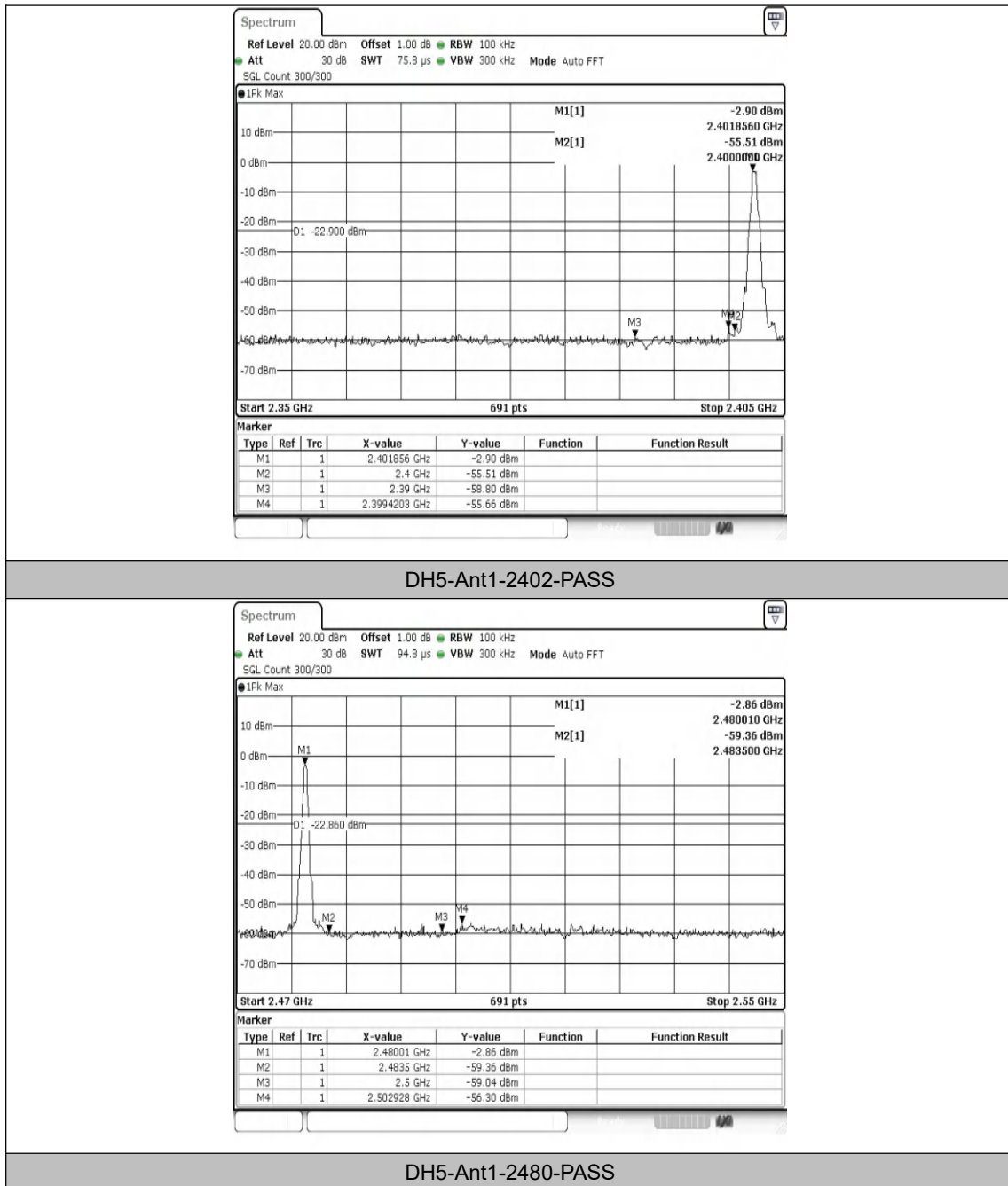
Test Result

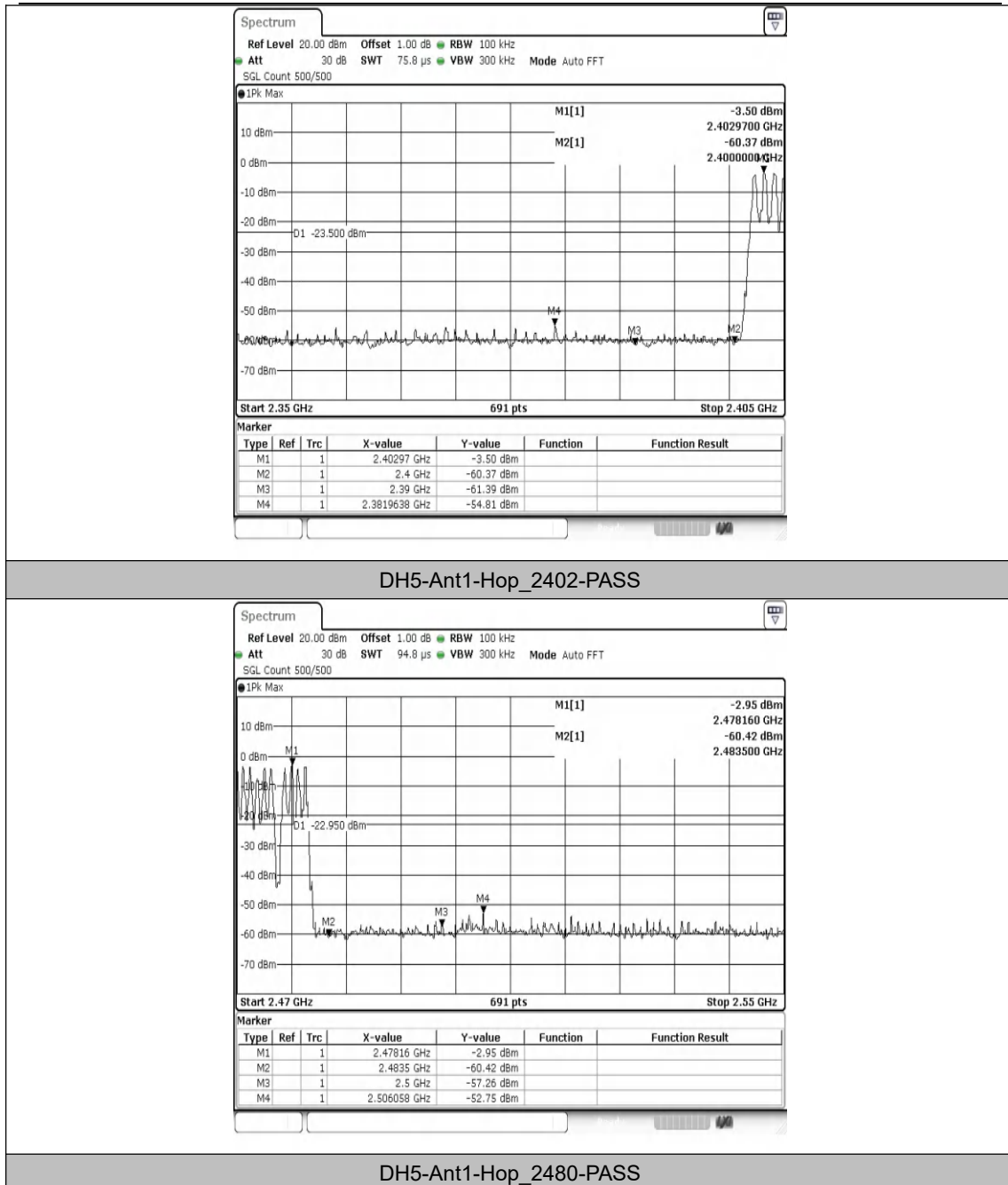
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.90	-55.66	≤ -22.9	PASS
DH5	Ant1	High	2480	-2.86	-56.3	≤ -22.86	PASS
DH5	Ant1	Low	Hop_2402	-3.50	-54.81	≤ -23.5	PASS
DH5	Ant1	High	Hop_2480	-2.95	-52.75	≤ -22.95	PASS
2DH5	Ant1	Low	2402	-2.77	-56.22	≤ -22.77	PASS
2DH5	Ant1	High	2480	-2.79	-56.2	≤ -22.79	PASS
2DH5	Ant1	Low	Hop_2402	-4.39	-55.28	≤ -24.39	PASS
2DH5	Ant1	High	Hop_2480	-3.91	-54.8	≤ -23.91	PASS
3DH5	Ant1	Low	2402	1.28	-48.33	≤ -18.72	PASS
3DH5	Ant1	High	2480	-2.78	-56.76	≤ -22.78	PASS
3DH5	Ant1	Low	Hop_2402	-3.57	-54.27	≤ -23.57	PASS
3DH5	Ant1	High	Hop_2480	-3.48	-53.93	≤ -23.48	PASS

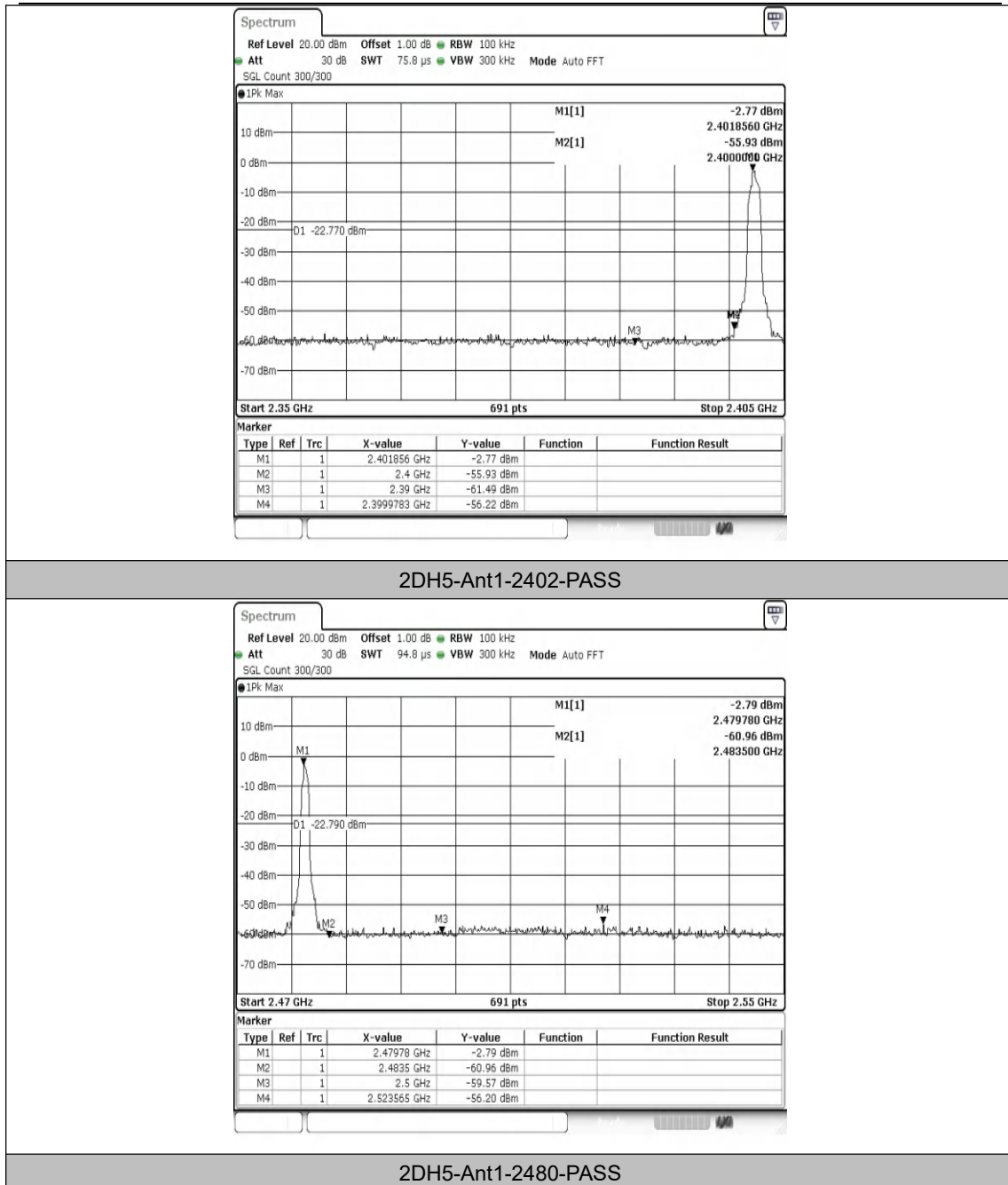
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

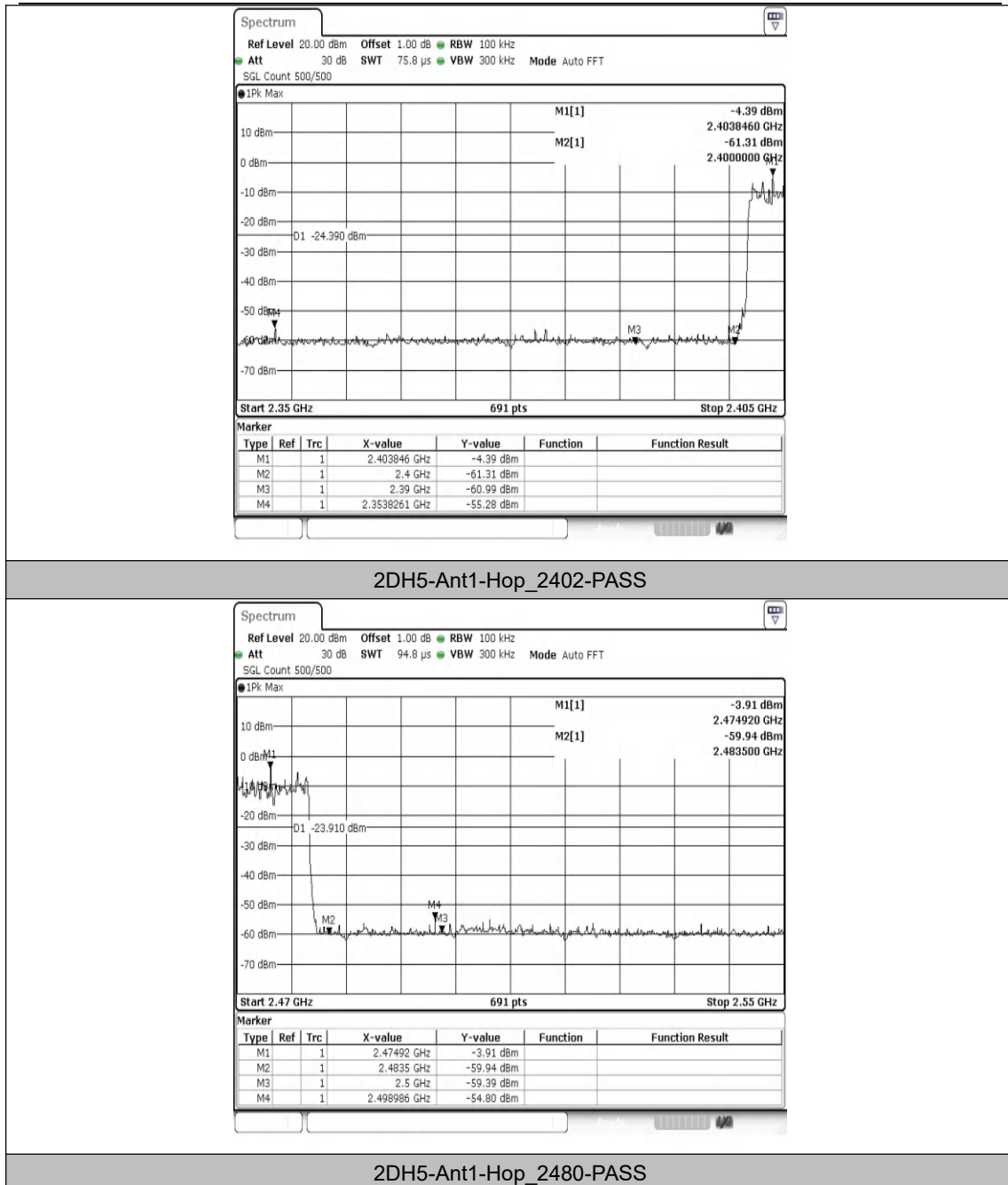


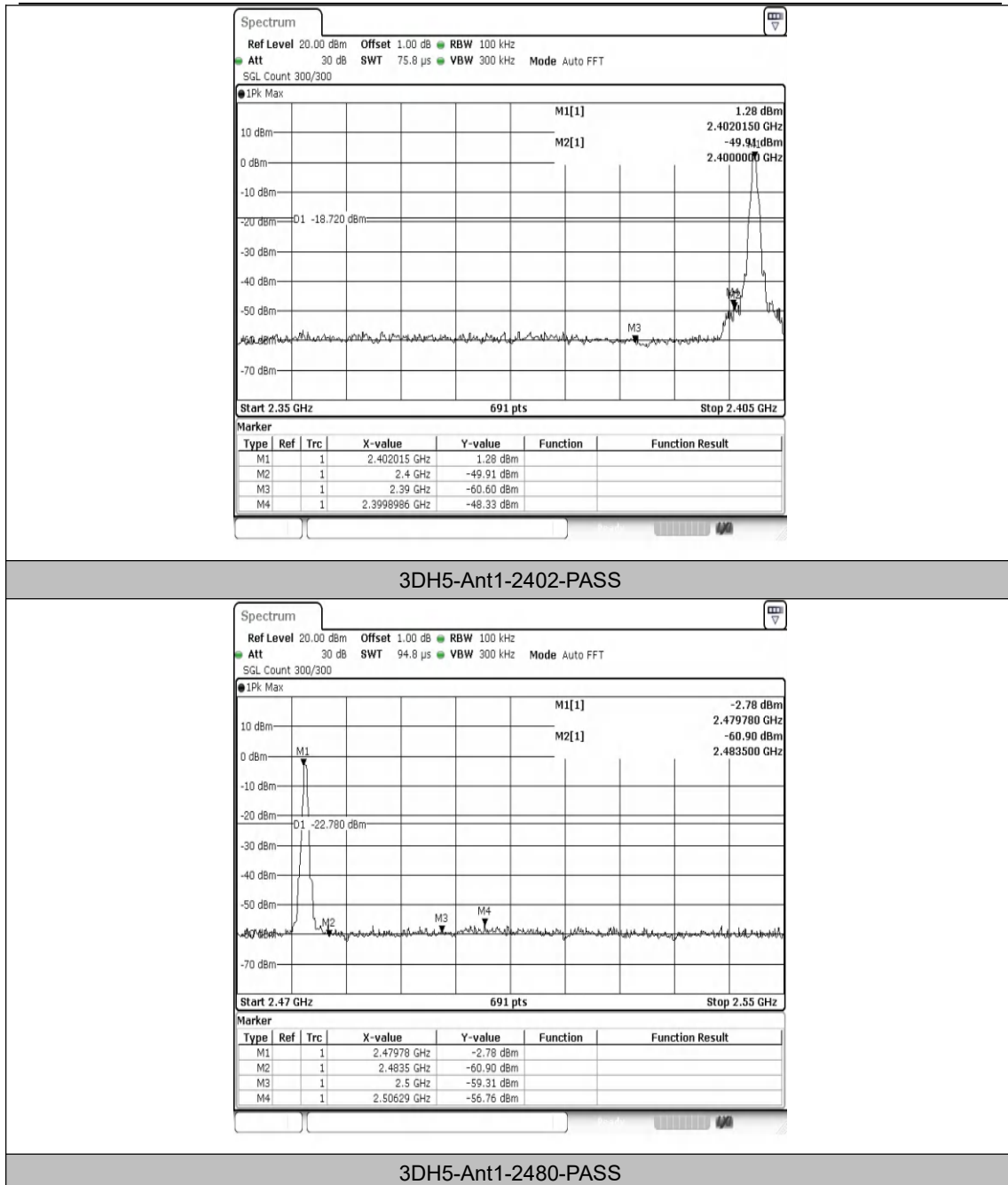
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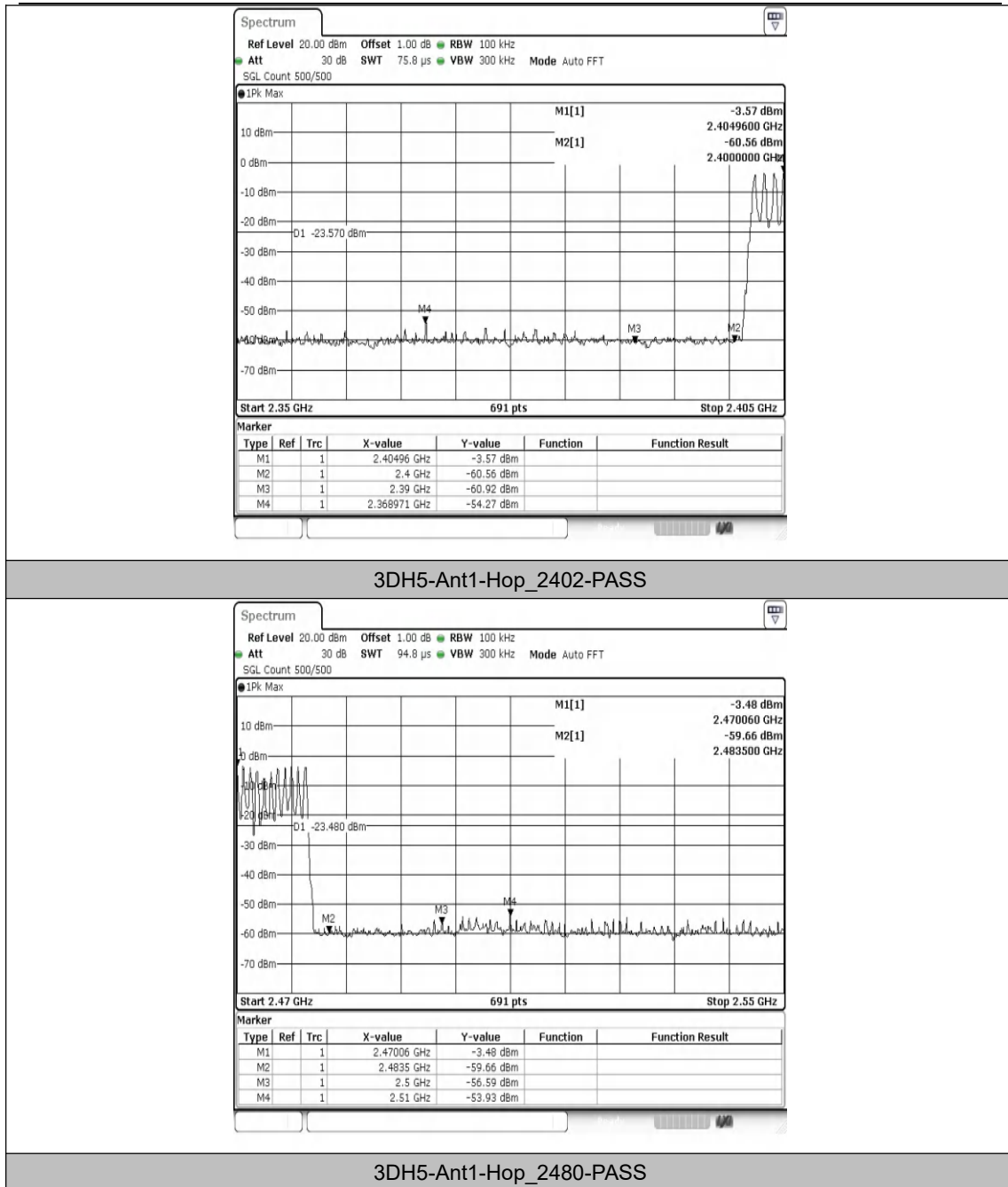












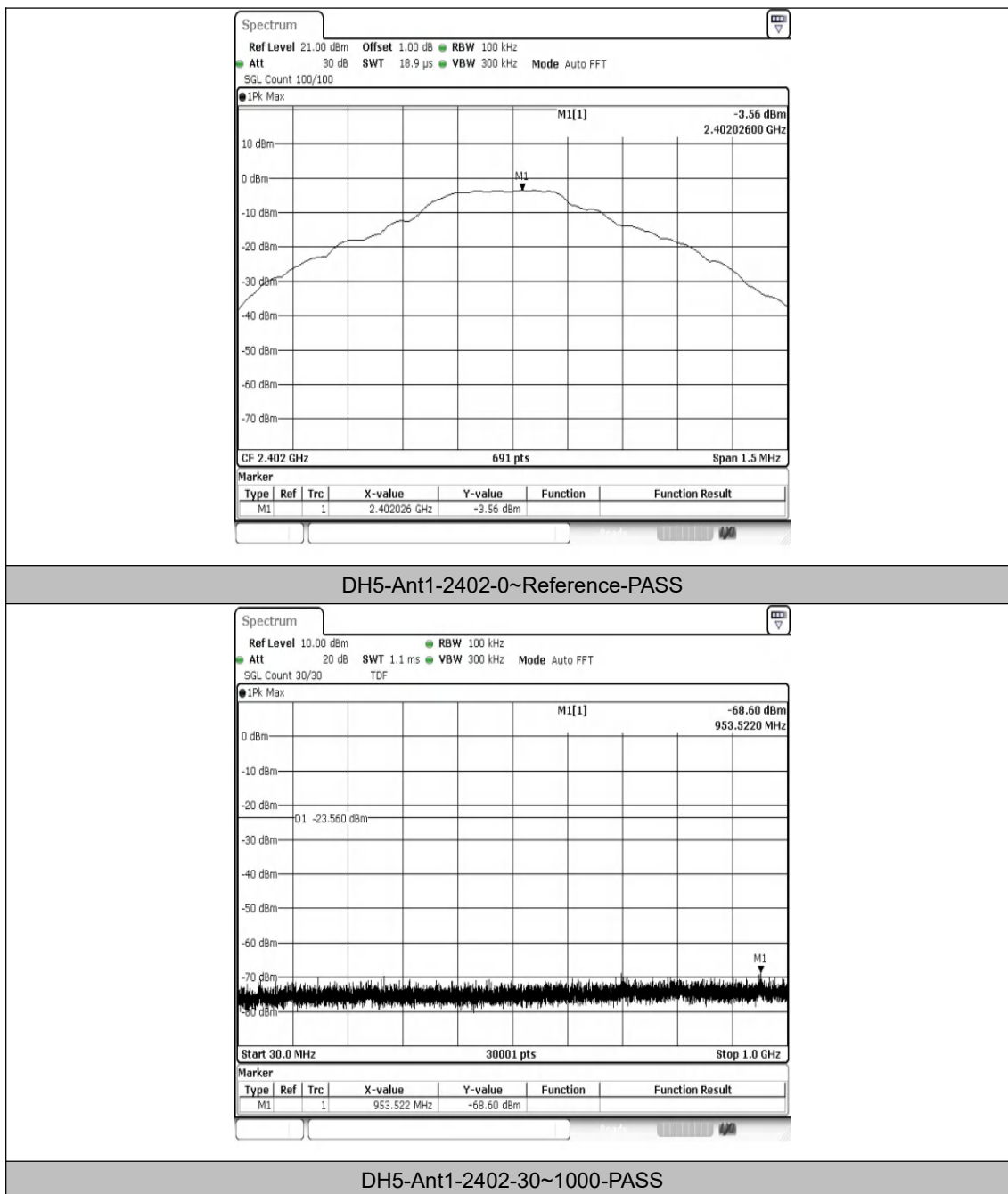
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.56	-3.56	---	PASS
DH5	Ant1	2402	30~1000	-3.56	-68.6	≤-23.56	PASS
DH5	Ant1	2402	1000~26500	-3.56	-47.66	≤-23.56	PASS
DH5	Ant1	2441	0~Reference	-3.03	-3.03	---	PASS
DH5	Ant1	2441	30~1000	-3.03	-61.12	≤-23.03	PASS
DH5	Ant1	2441	1000~26500	-3.03	-48.59	≤-23.03	PASS
DH5	Ant1	2480	0~Reference	-3.45	-3.45	---	PASS
DH5	Ant1	2480	30~1000	-3.45	-61.04	≤-23.45	PASS
DH5	Ant1	2480	1000~26500	-3.45	-46.79	≤-23.45	PASS
2DH5	Ant1	2402	0~Reference	-4.55	-4.55	---	PASS
2DH5	Ant1	2402	30~1000	-4.55	-60.2	≤-24.55	PASS
2DH5	Ant1	2402	1000~26500	-4.55	-50.31	≤-24.55	PASS
2DH5	Ant1	2441	0~Reference	-3.34	-3.34	---	PASS
2DH5	Ant1	2441	30~1000	-3.34	-60.27	≤-23.34	PASS
2DH5	Ant1	2441	1000~26500	-3.34	-48.84	≤-23.34	PASS
2DH5	Ant1	2480	0~Reference	-3.08	-3.08	---	PASS
2DH5	Ant1	2480	30~1000	-3.08	-60.74	≤-23.08	PASS
2DH5	Ant1	2480	1000~26500	-3.08	-46.62	≤-23.08	PASS
3DH5	Ant1	2402	0~Reference	-3.45	-3.45	---	PASS
3DH5	Ant1	2402	30~1000	-3.45	-69.47	≤-23.45	PASS
3DH5	Ant1	2402	1000~26500	-3.45	-47.56	≤-23.45	PASS
3DH5	Ant1	2441	0~Reference	1.71	1.71	---	PASS
3DH5	Ant1	2441	30~1000	1.71	-62.32	≤-18.29	PASS
3DH5	Ant1	2441	1000~26500	1.71	-44.62	≤-18.29	PASS
3DH5	Ant1	2480	0~Reference	-3.06	-3.06	---	PASS
3DH5	Ant1	2480	30~1000	-3.06	-69.27	≤-23.06	PASS
3DH5	Ant1	2480	1000~26500	-3.06	-47.07	≤-23.06	PASS

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

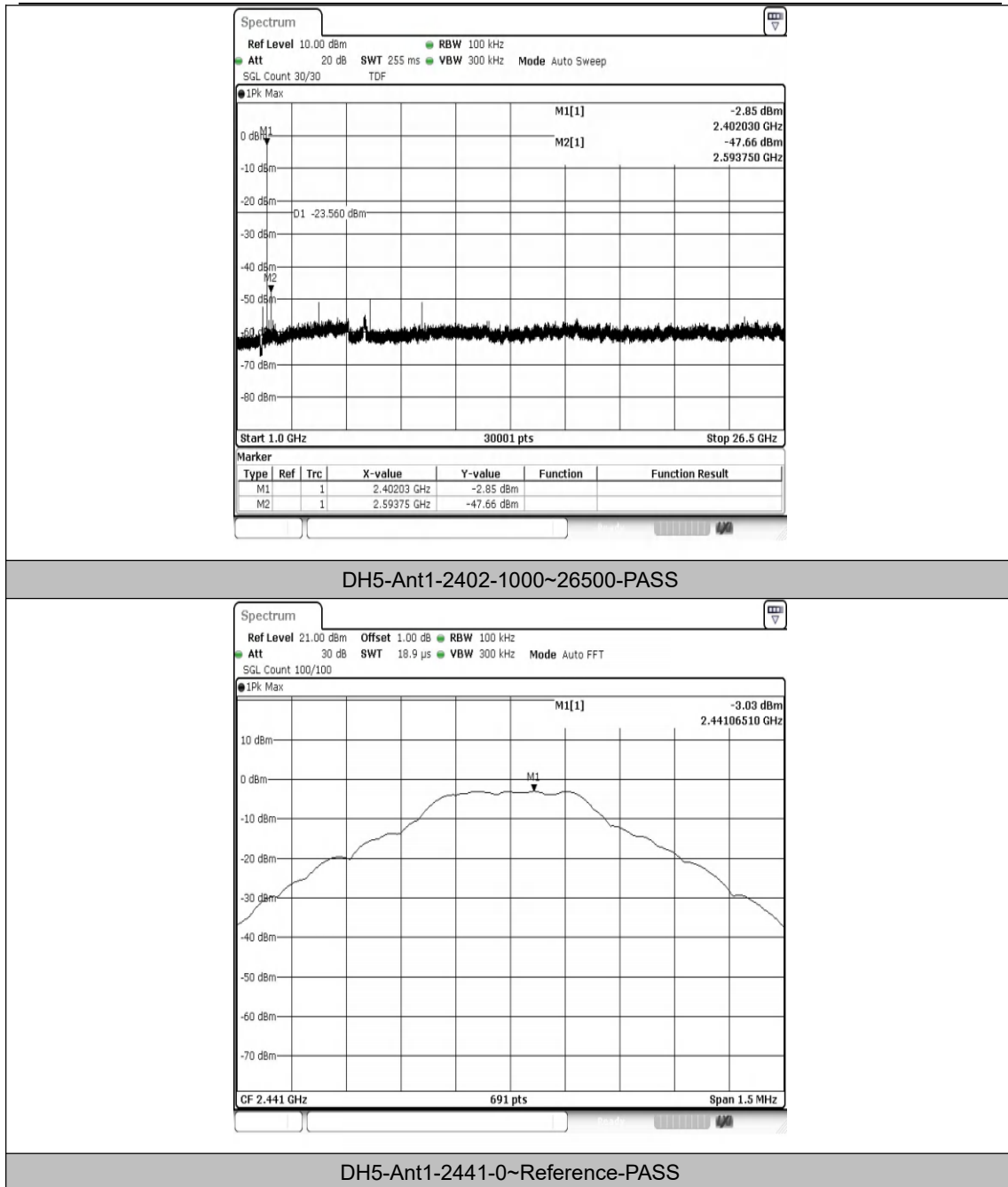
Test Graphs



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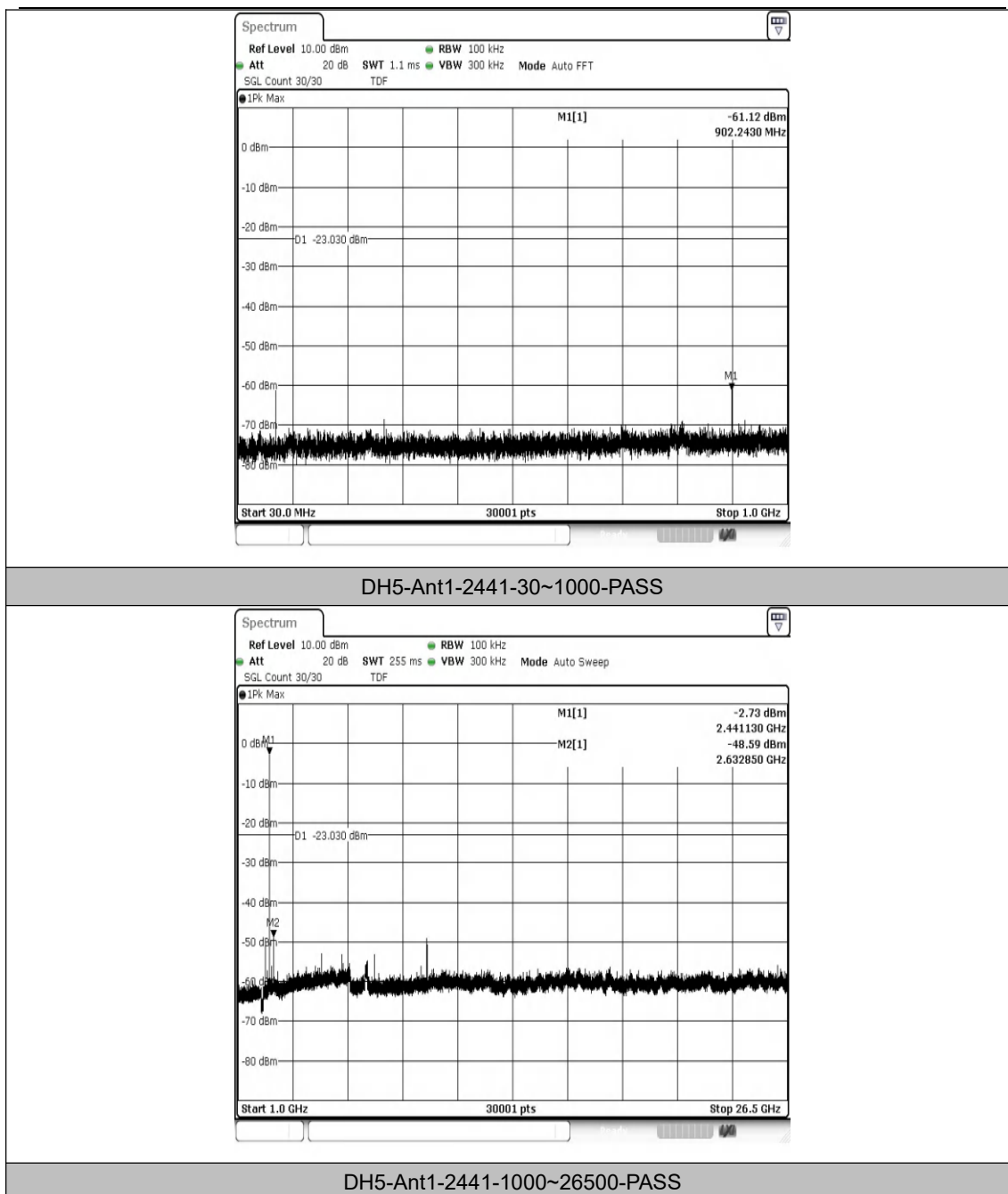
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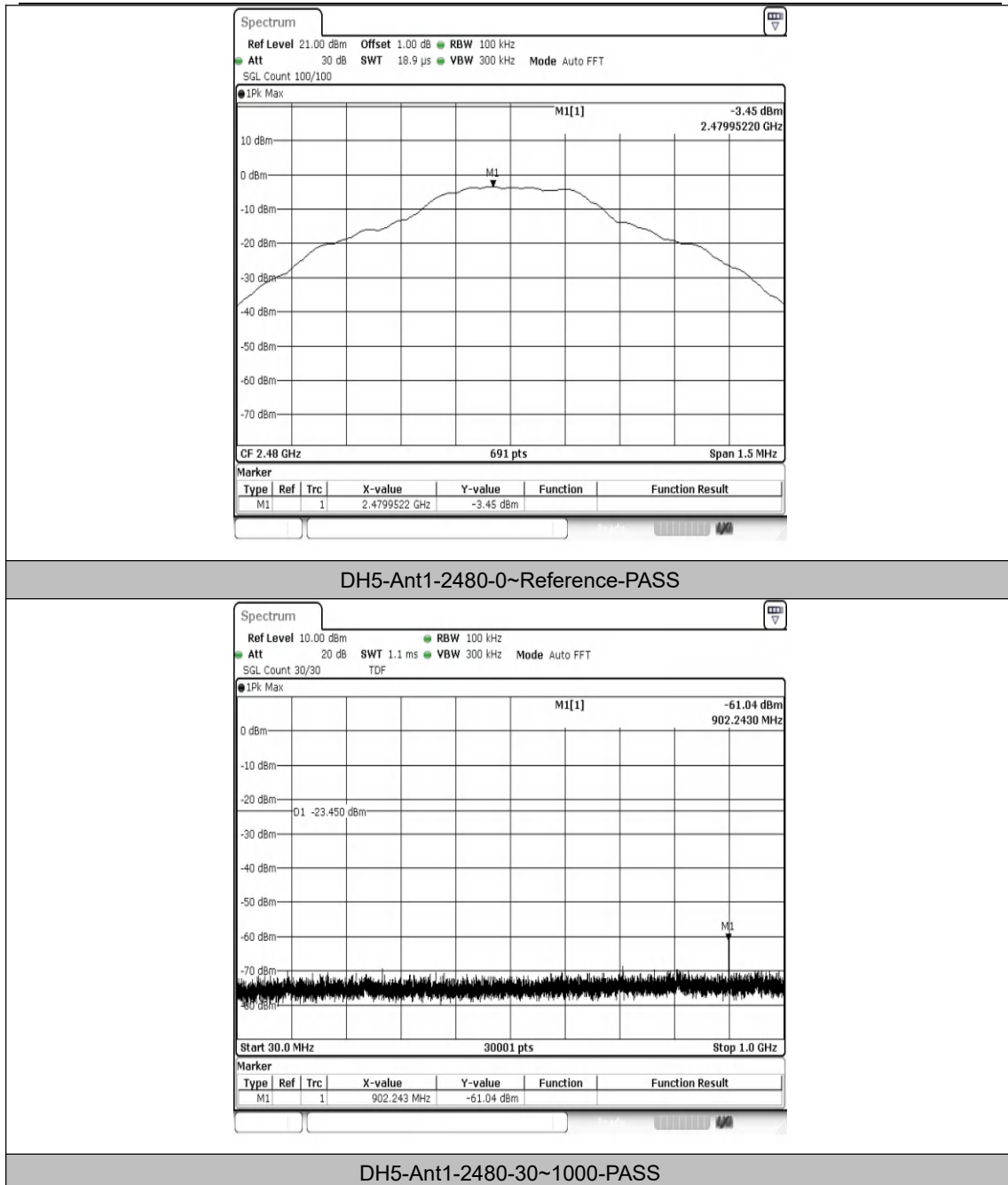


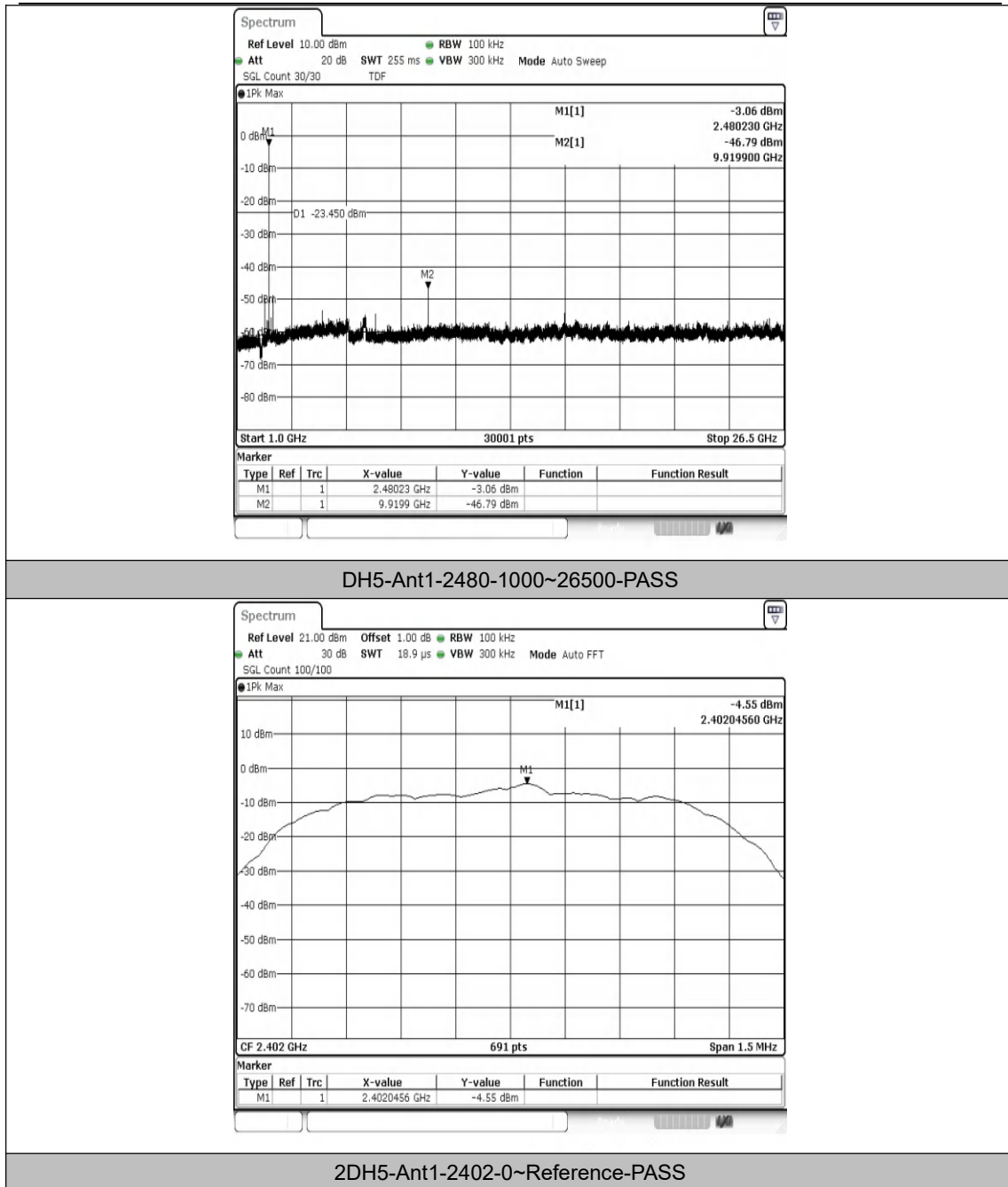
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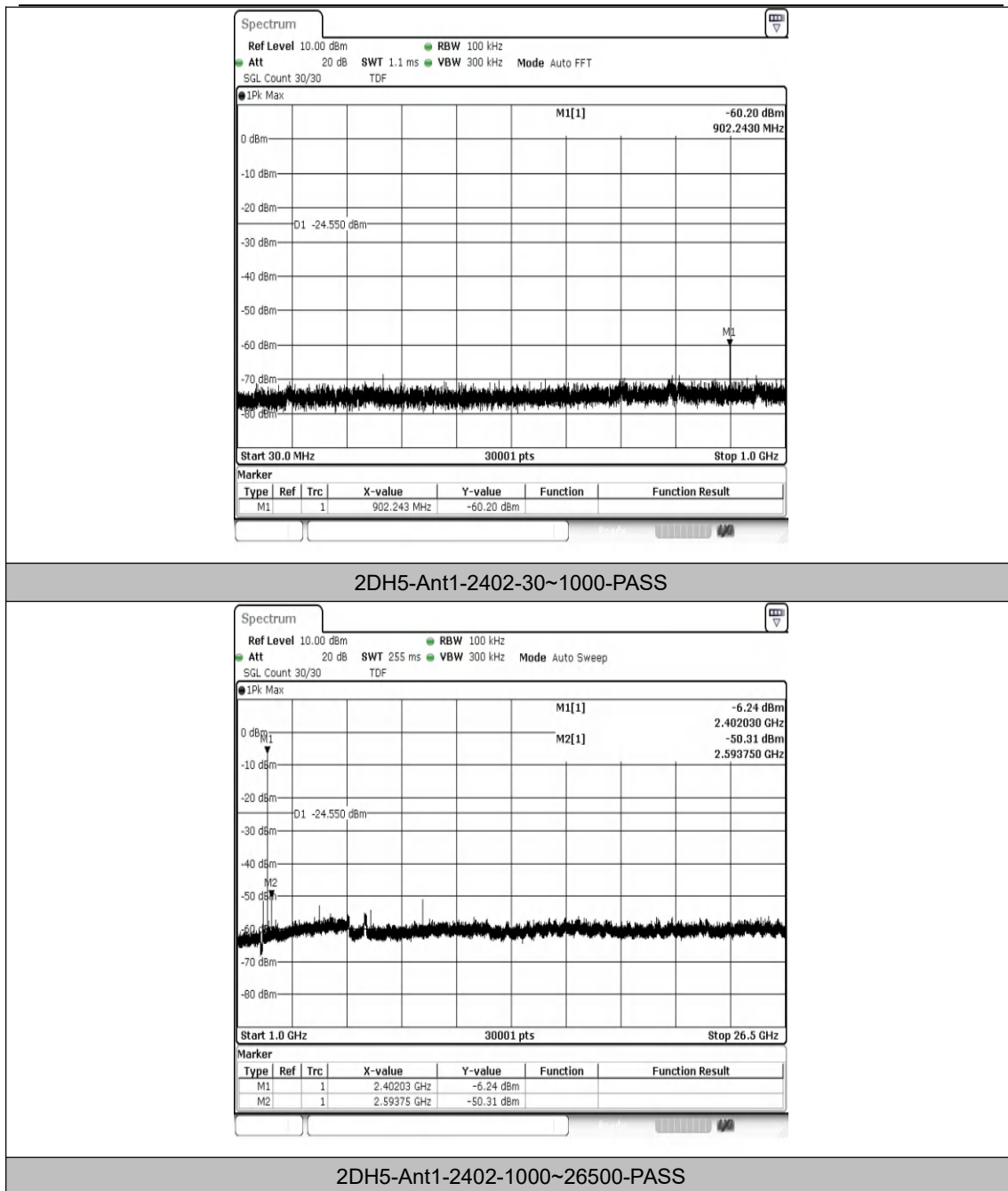




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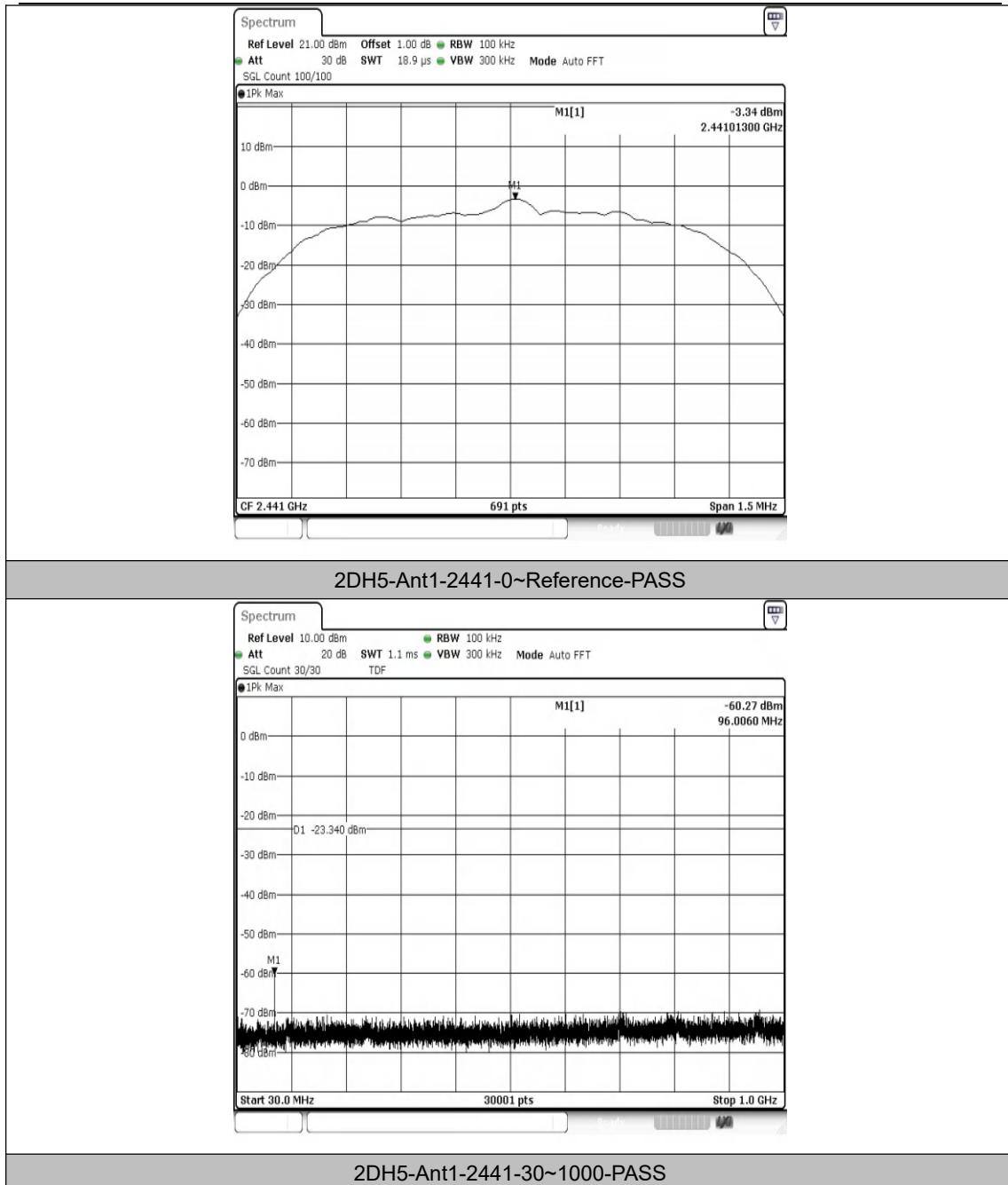
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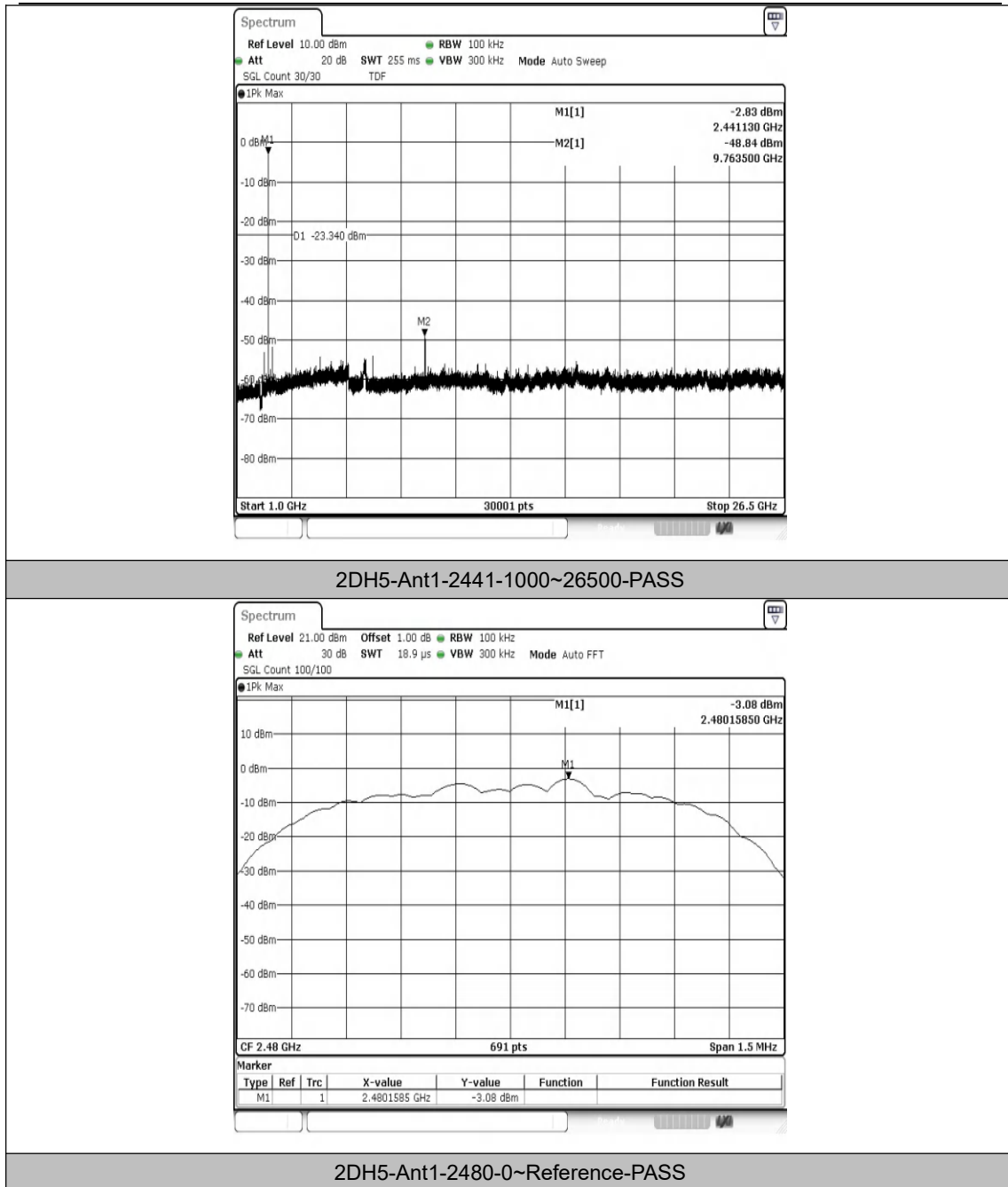


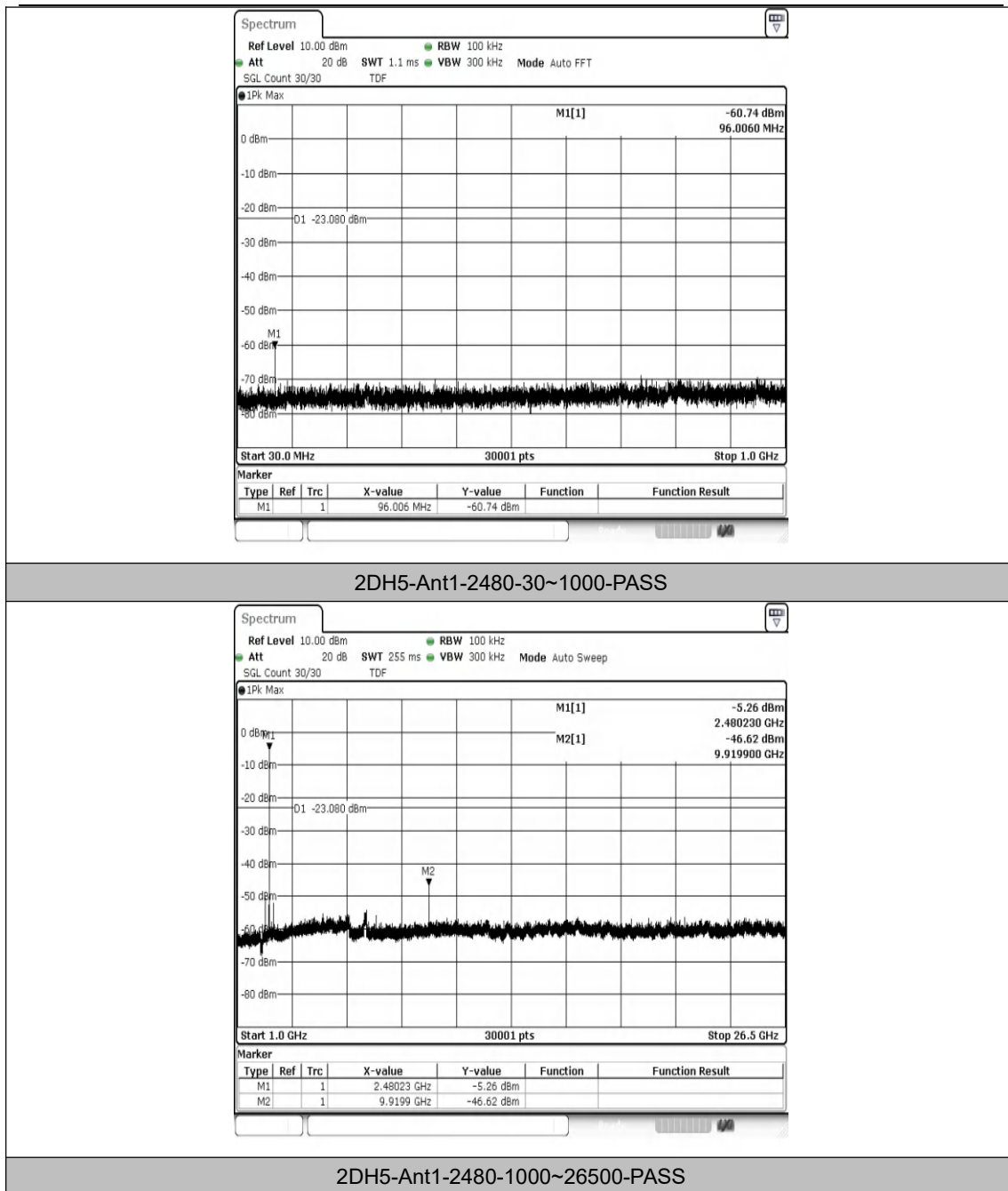
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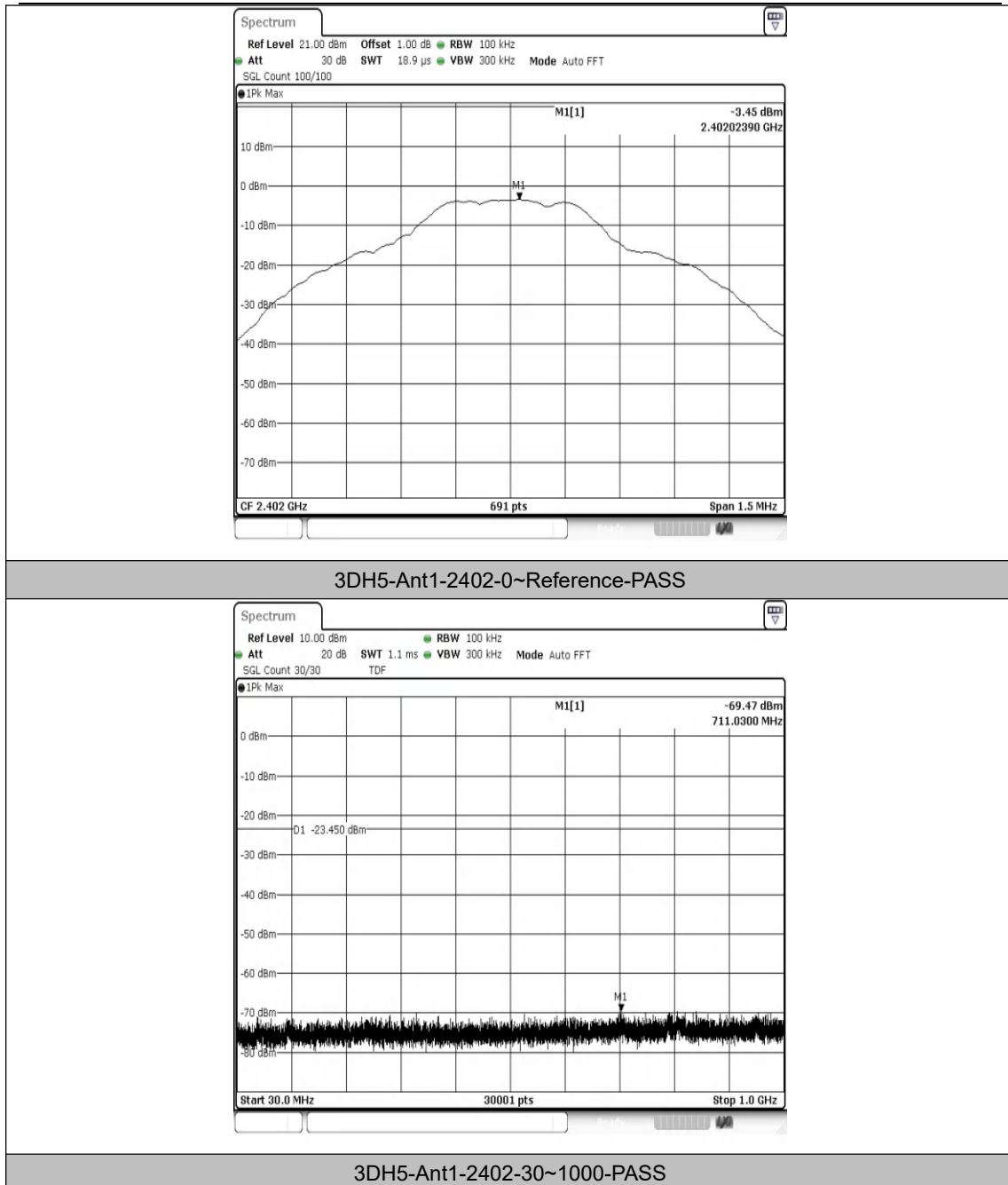




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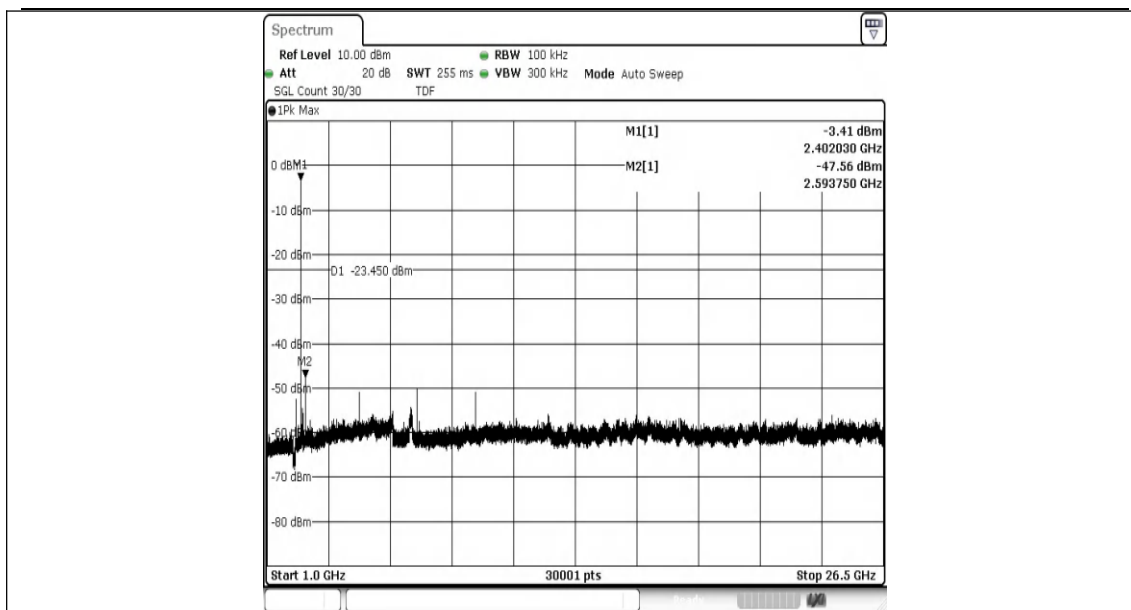
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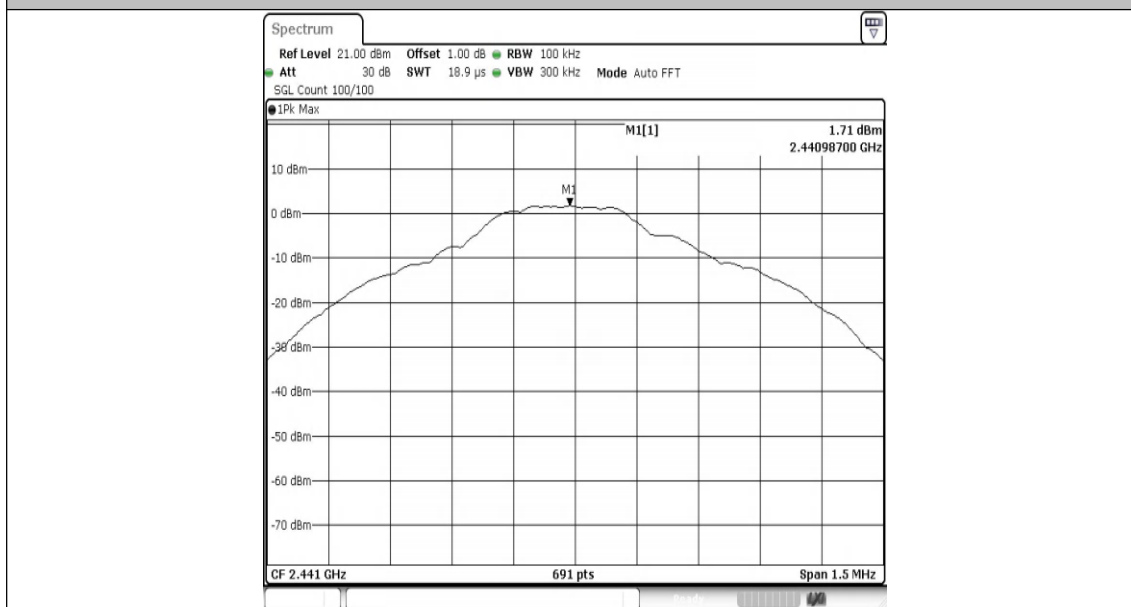
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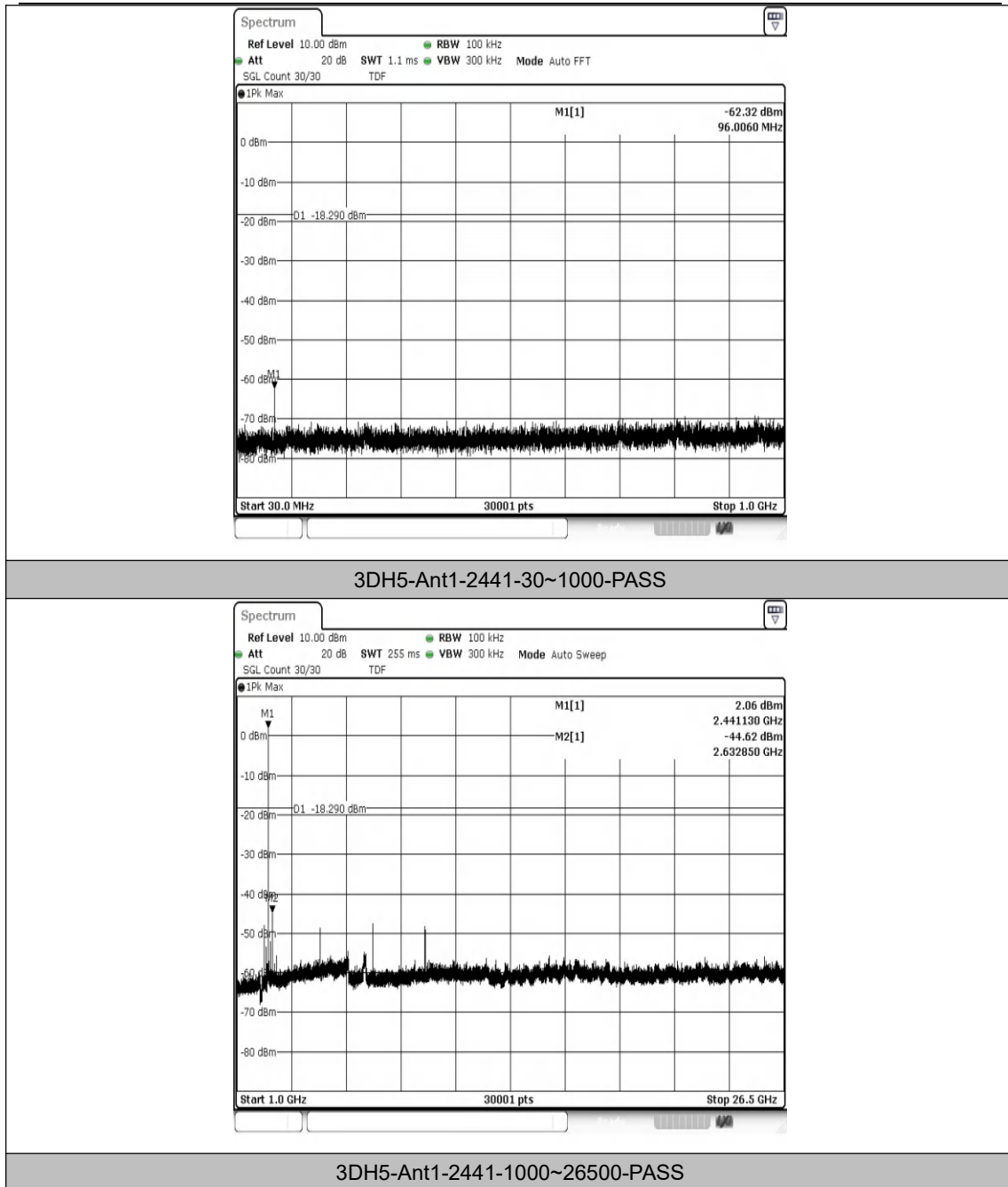
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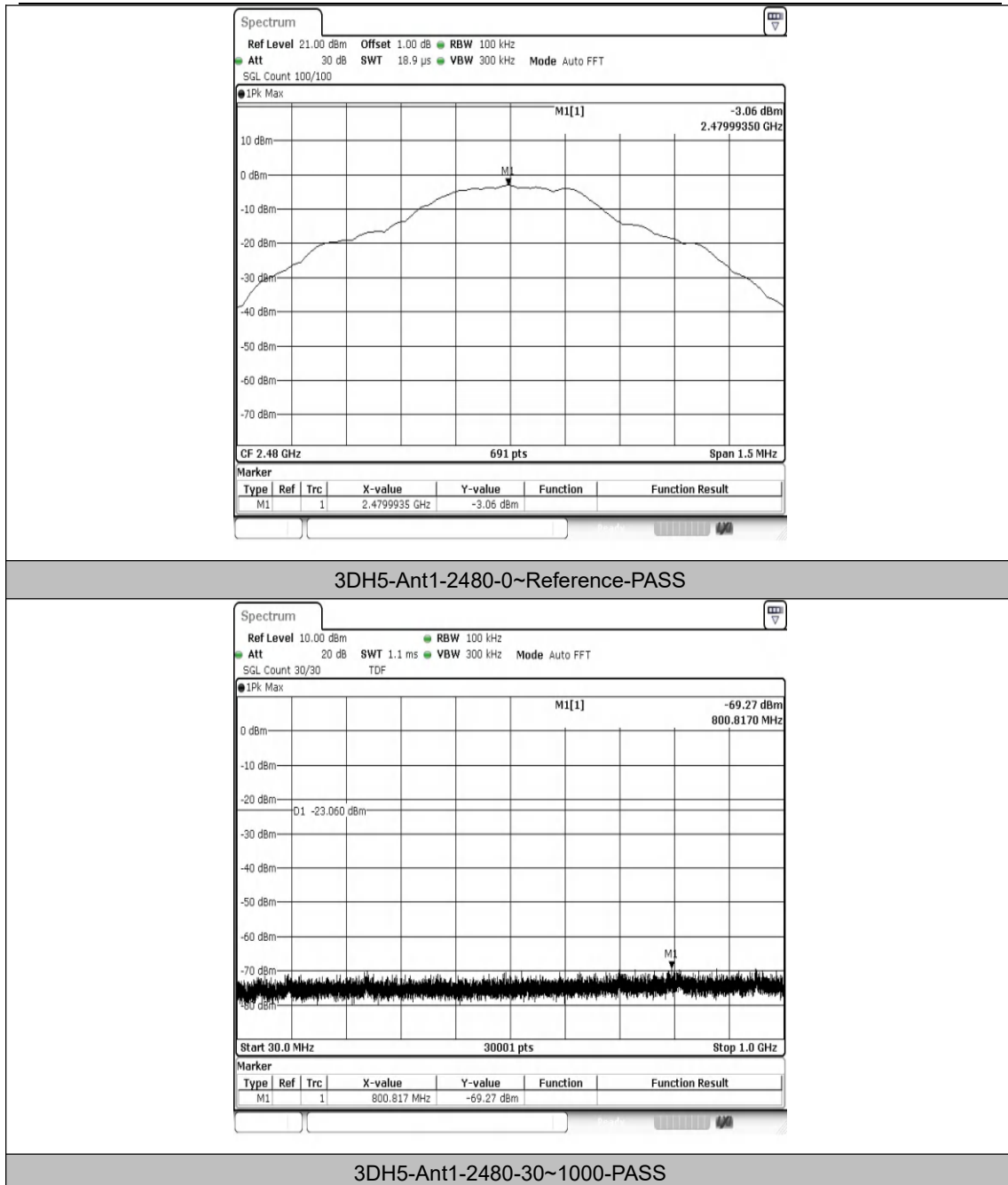


3DH5-Ant1-2402-1000~26500-PASS



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

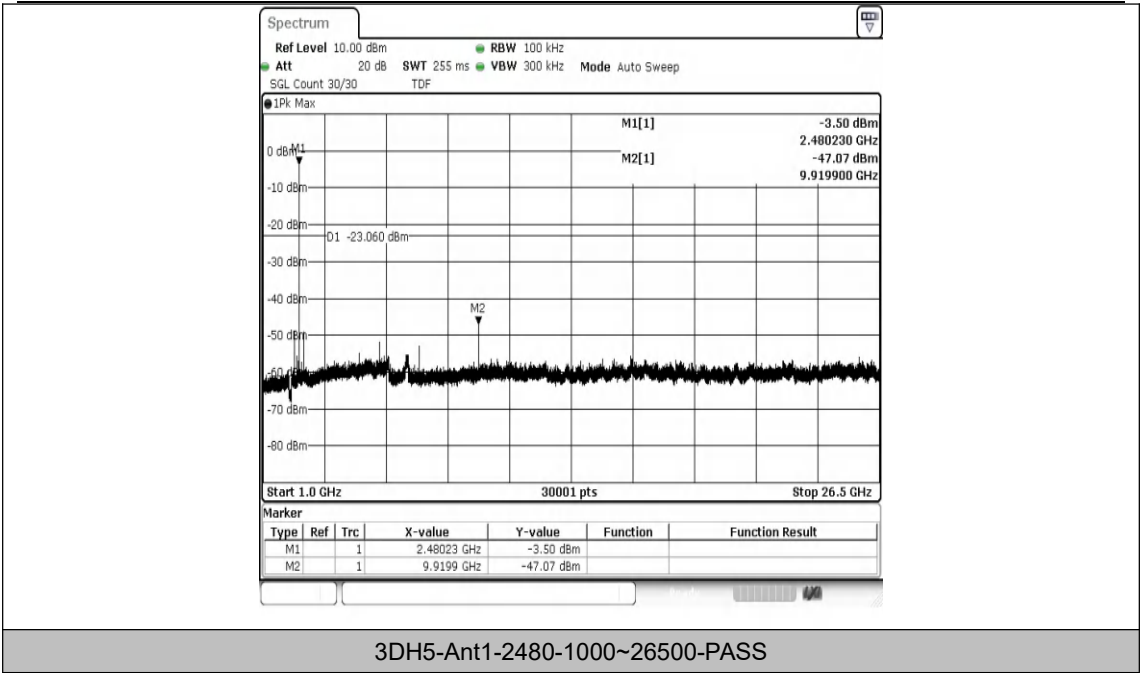




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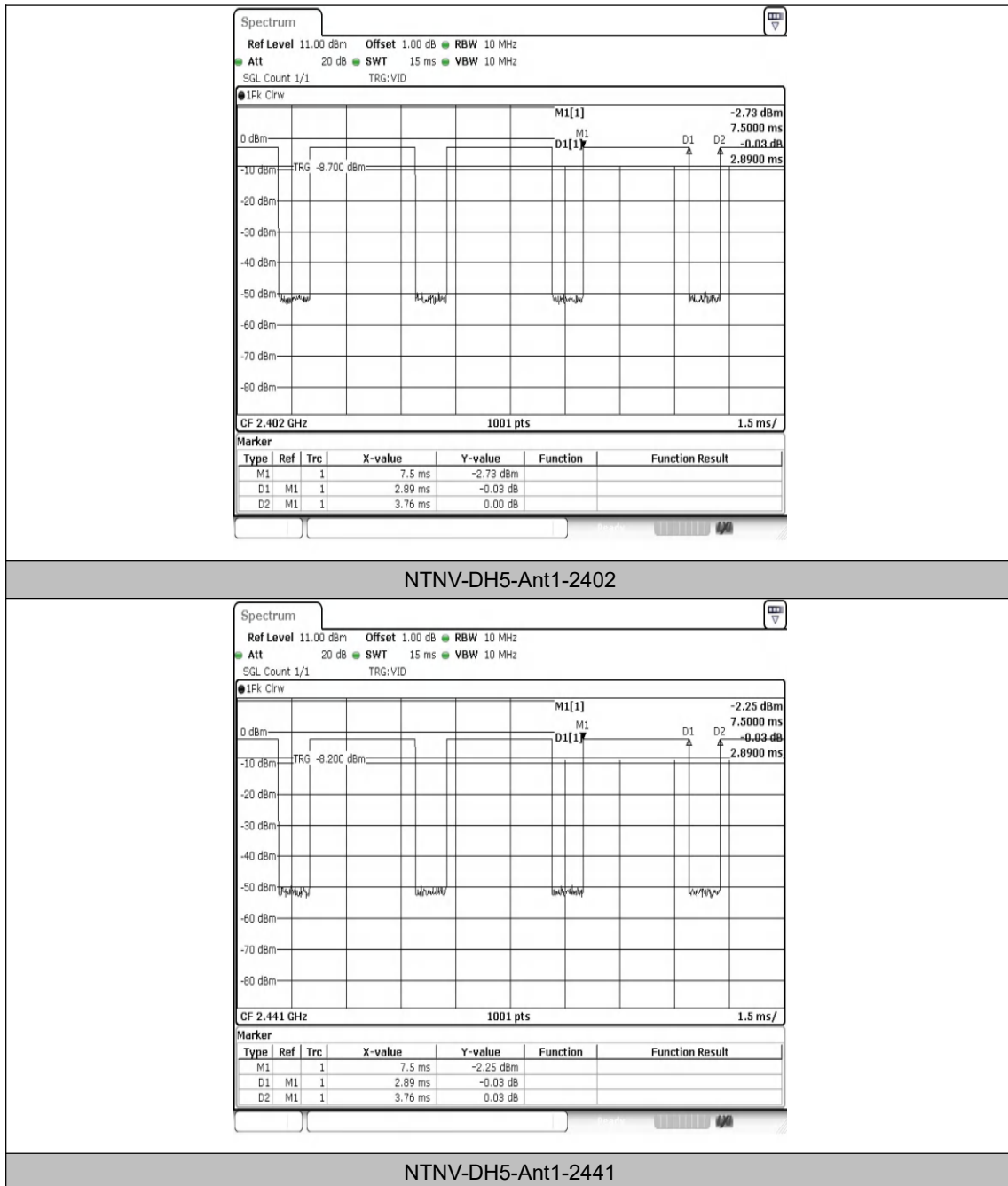
Appendix I: Duty Cycle

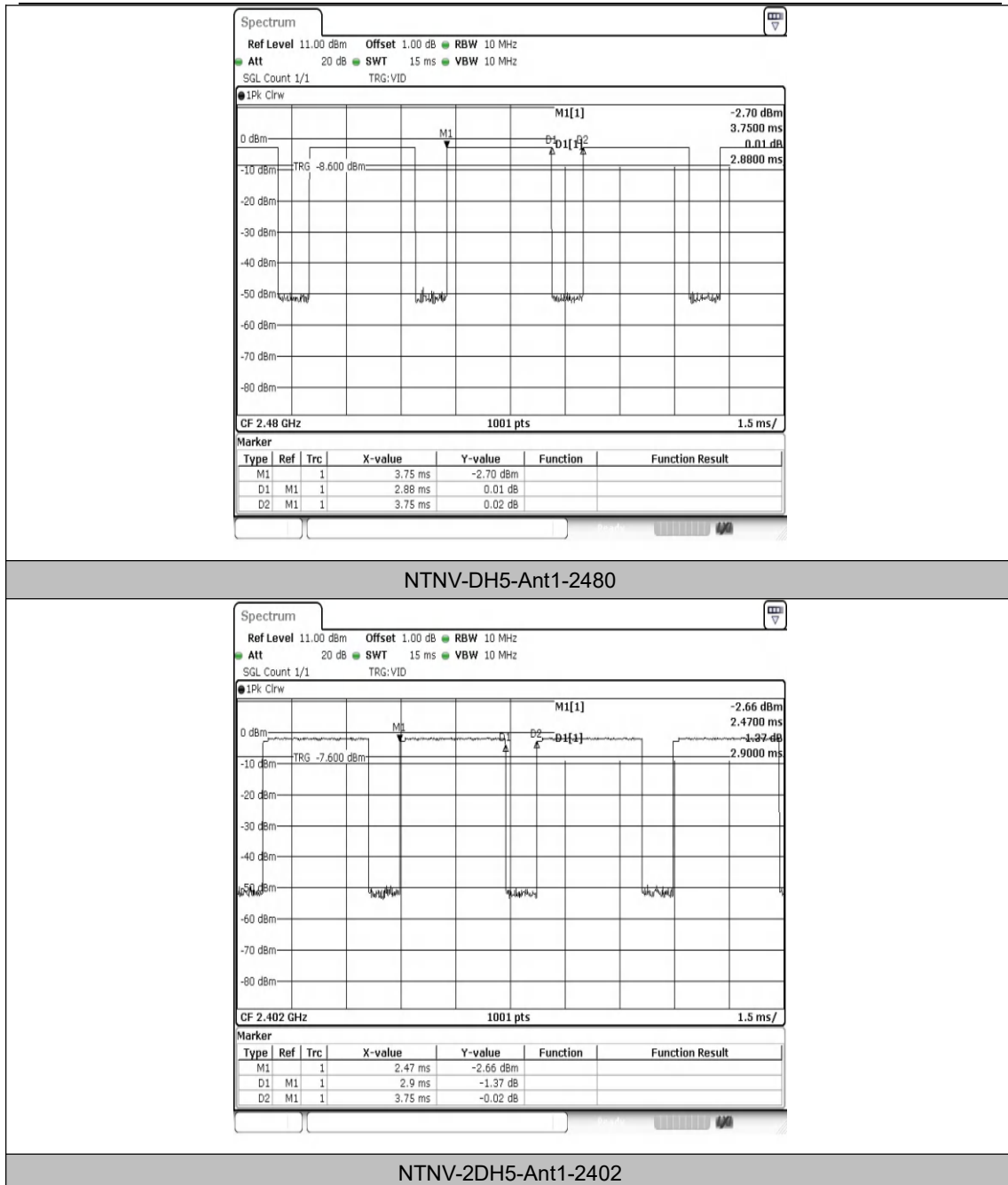
Test Result

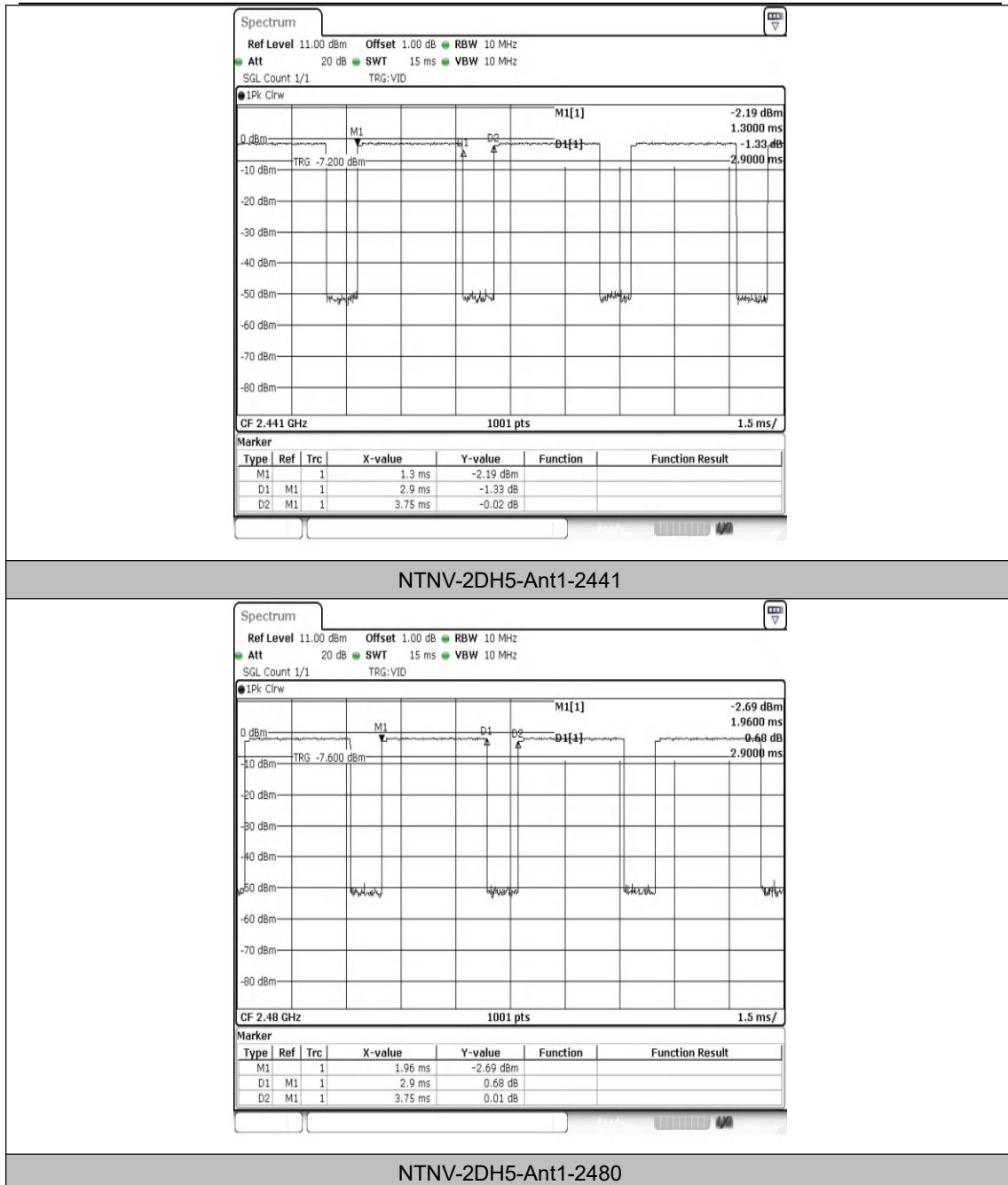
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.76	76.86	1.14
DH5	Ant1	2441	2.89	3.76	76.86	1.14
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.37	3.76	63.03	2.00
3DH5	Ant1	2441	2.37	3.76	63.03	2.00
3DH5	Ant1	2480	2.37	3.76	63.03	2.00

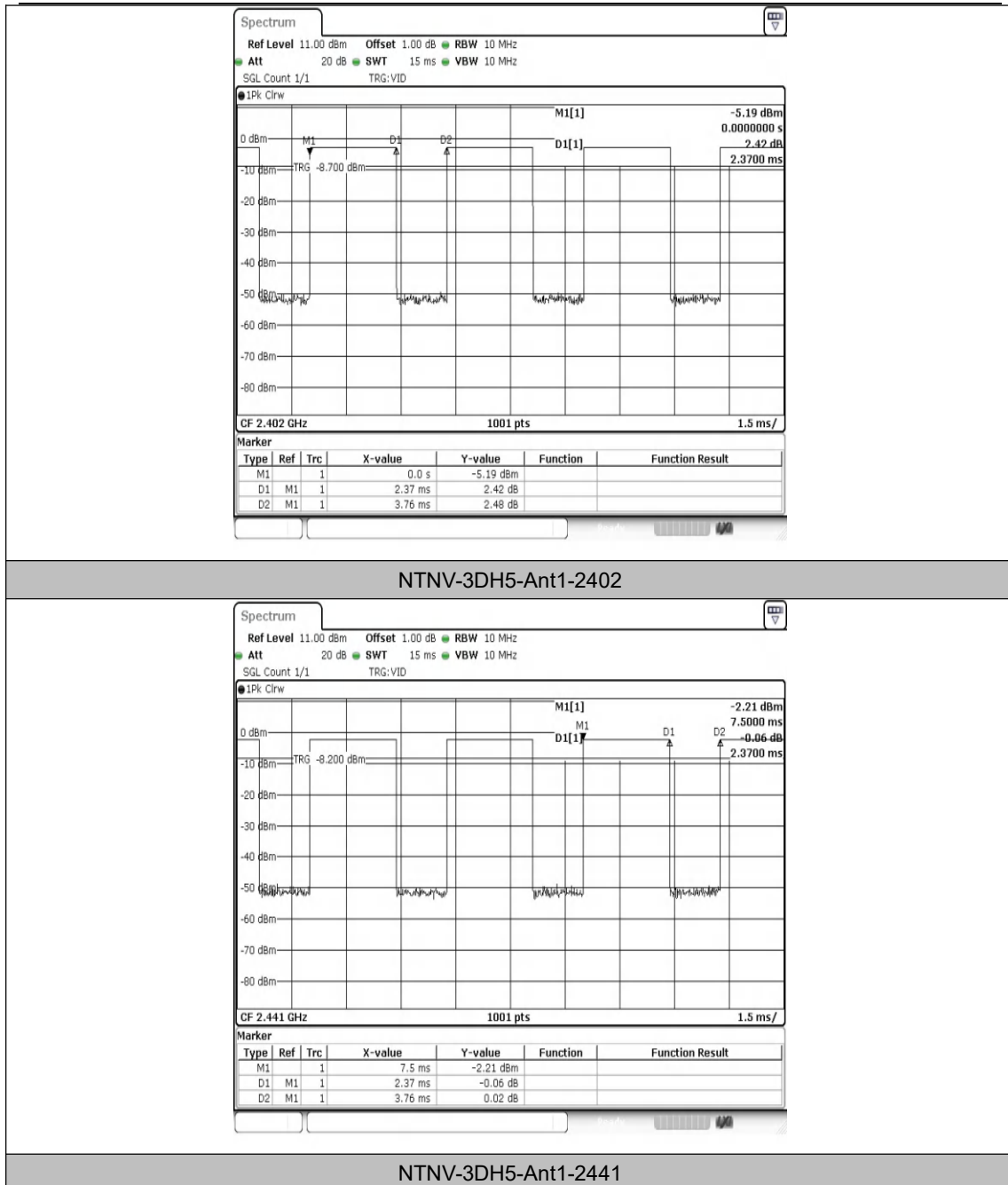


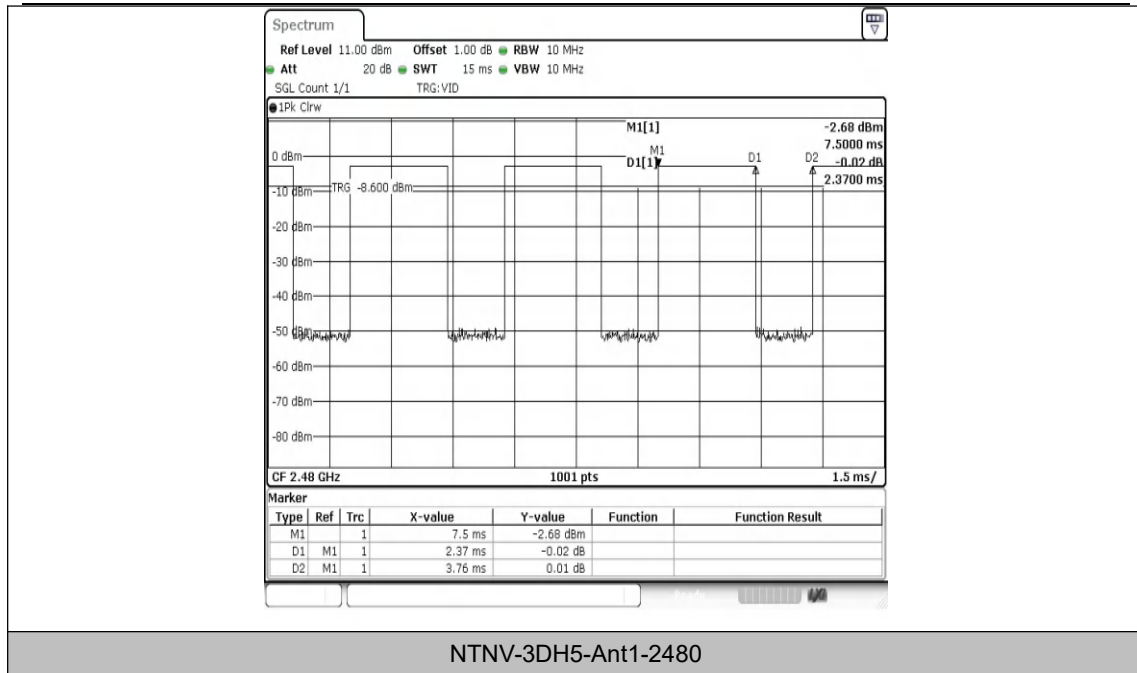
Test Graphs











---End---

