

Appendix Test Data

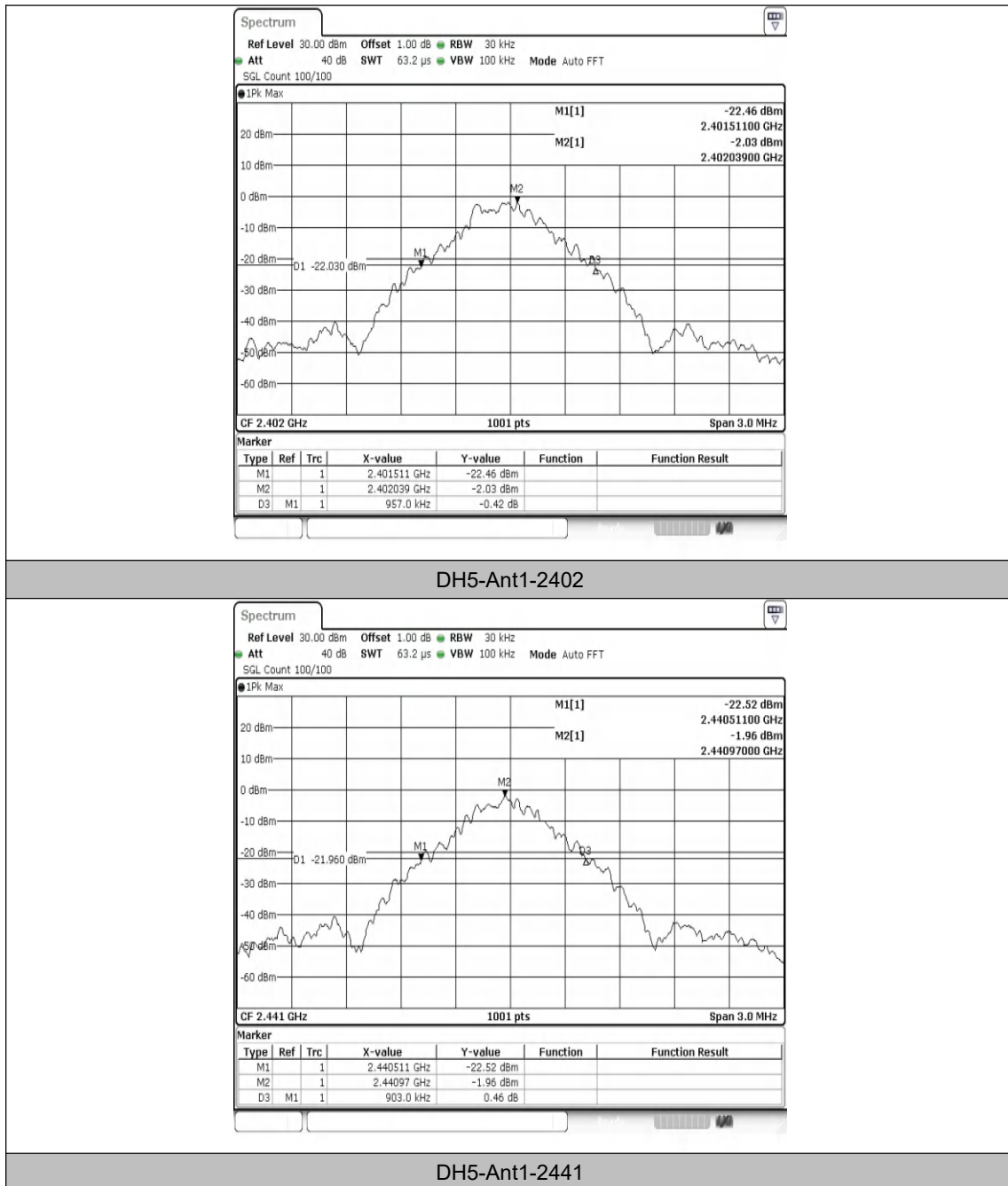
Report No.:	1818C50138812501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-28	Finish Test Date:	2025-7-31
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.1℃	Relative Humidity:	58%
Pressure:	101kPa		

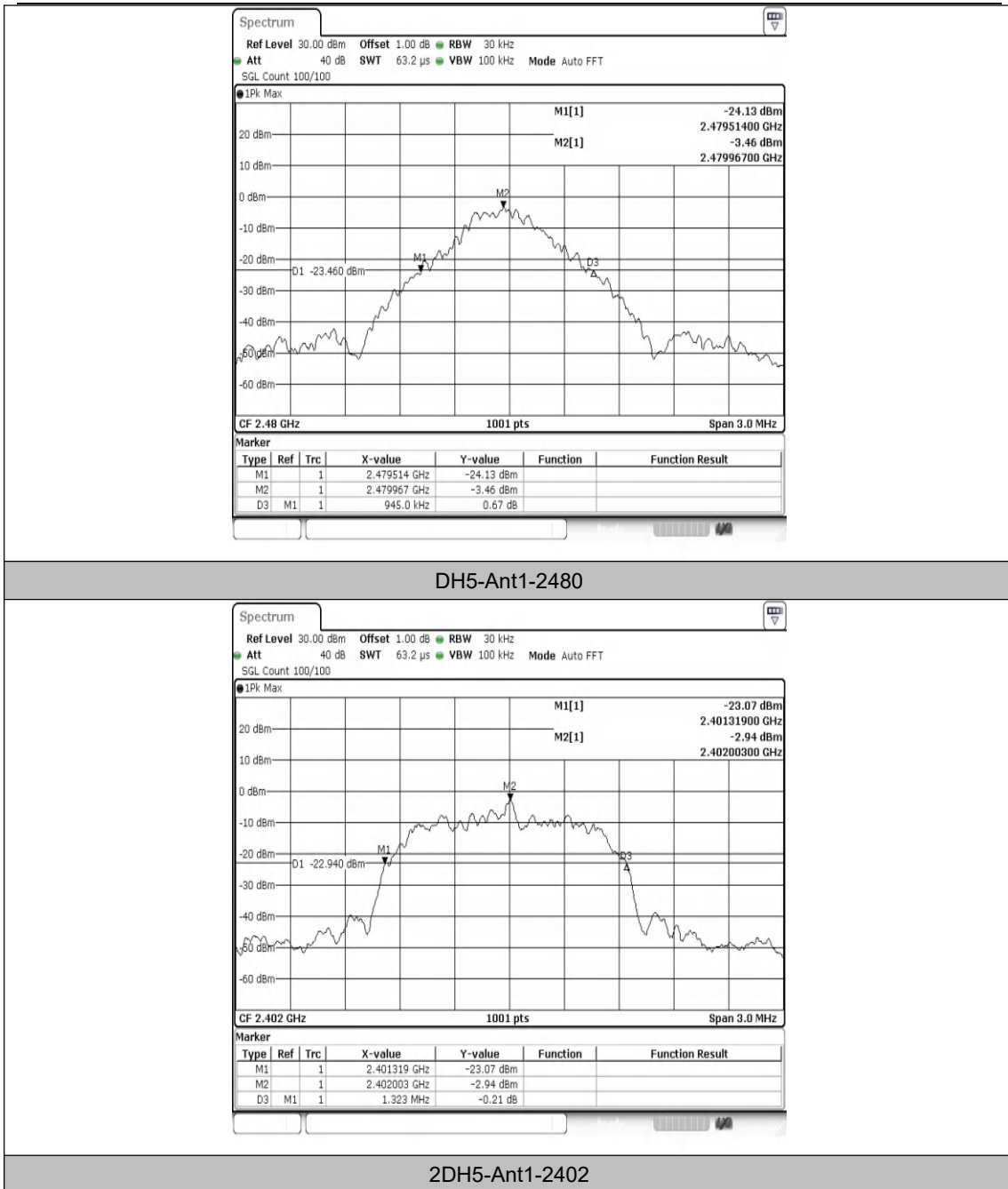
Appendix A: 20dB Bandwidth

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	0.90	2440.51	2441.41	---	---
DH5	Ant1	2480	0.95	2479.51	2480.46	---	---
2DH5	Ant1	2402	1.32	2401.32	2402.64	---	---
2DH5	Ant1	2441	1.28	2440.35	2441.63	---	---
2DH5	Ant1	2480	1.22	2479.35	2480.58	---	---
3DH5	Ant1	2402	1.30	2401.33	2402.63	---	---
3DH5	Ant1	2441	1.31	2440.32	2441.63	---	---
3DH5	Ant1	2480	1.21	2479.39	2480.61	---	---

Test Graphs

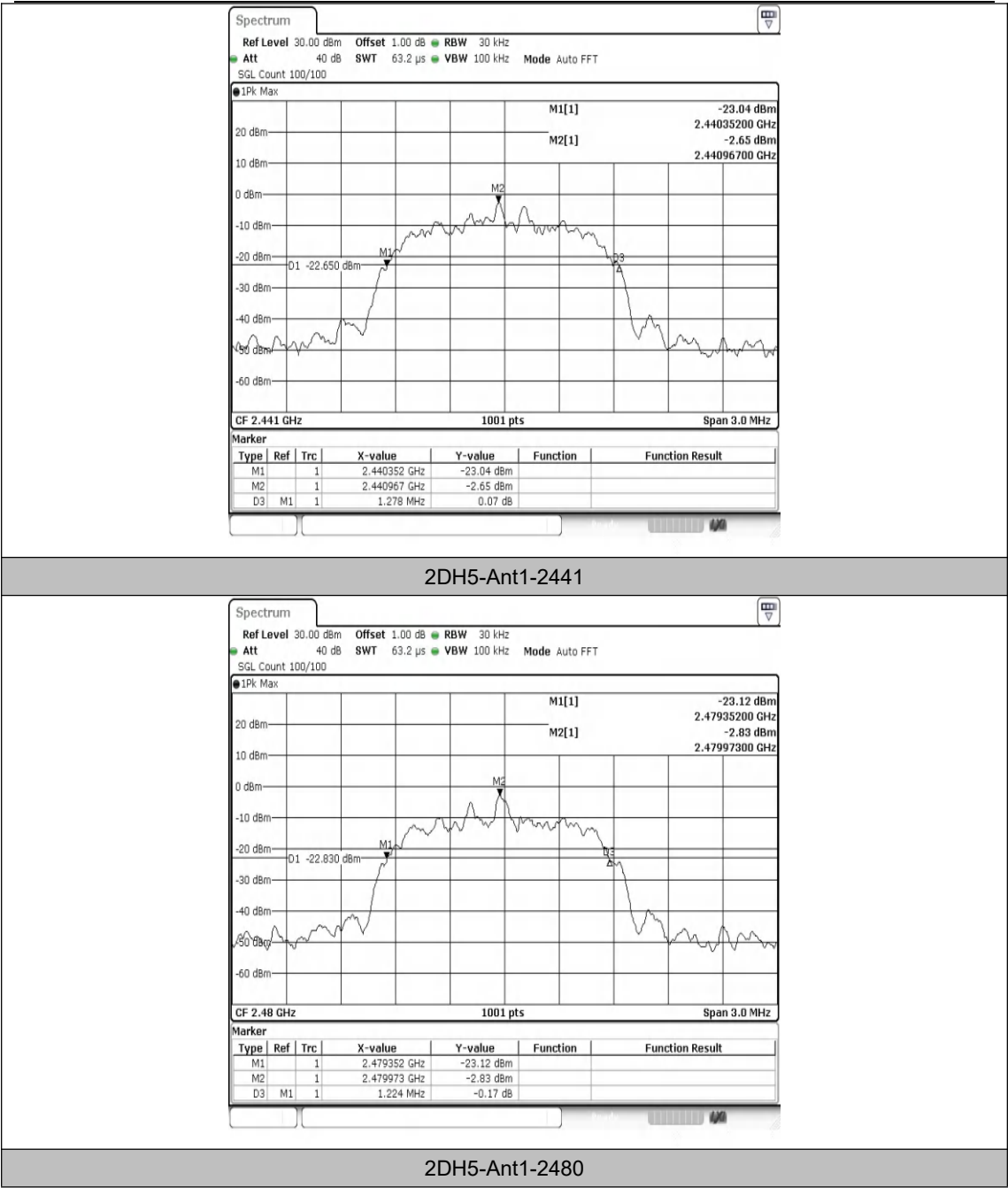


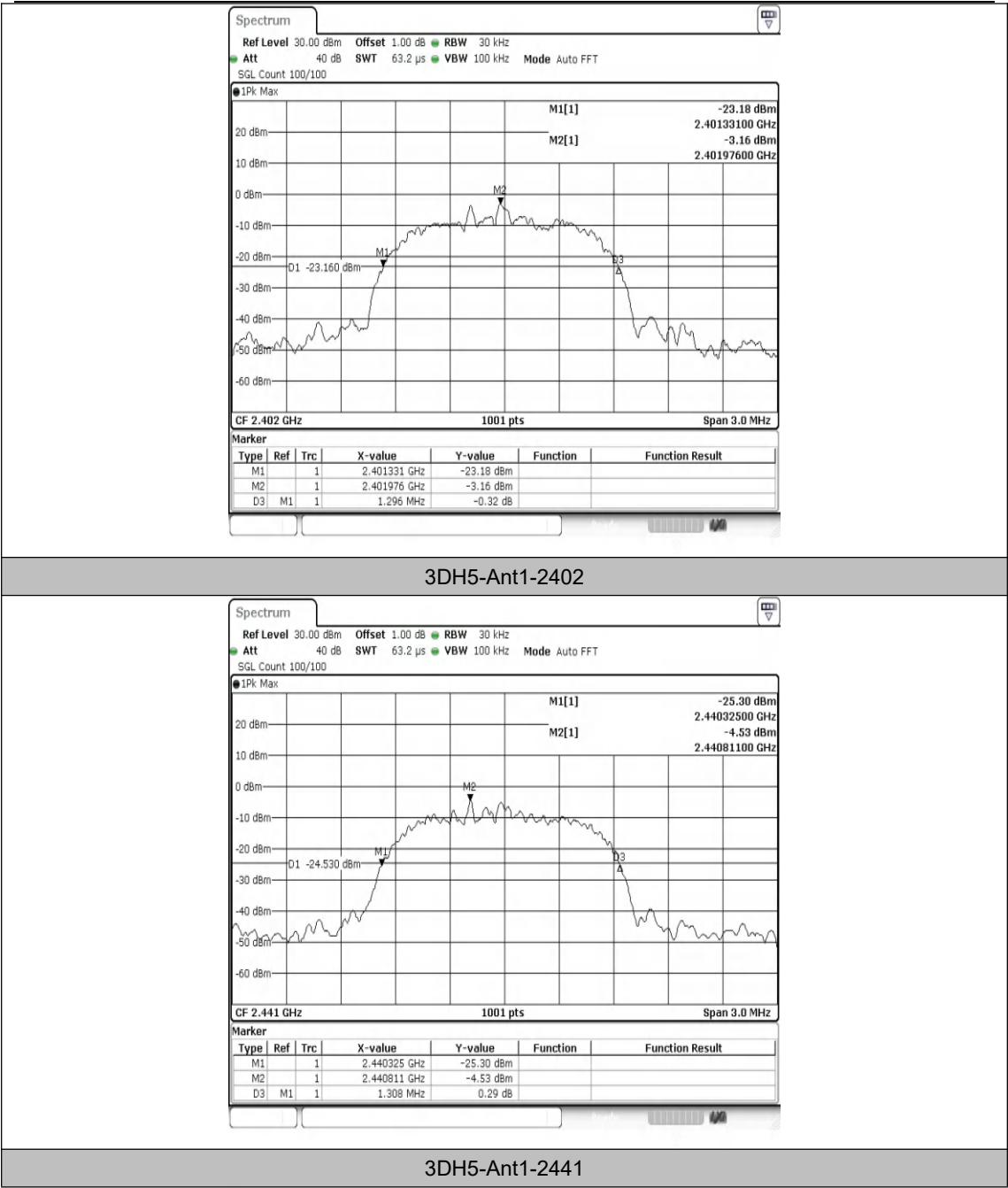


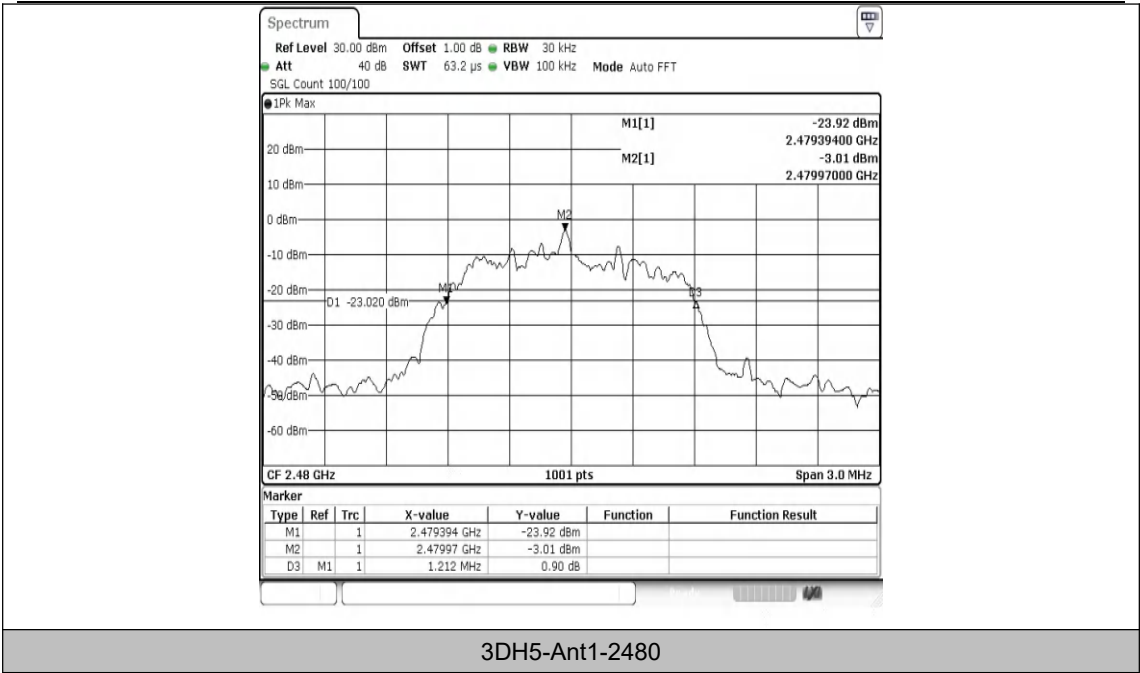
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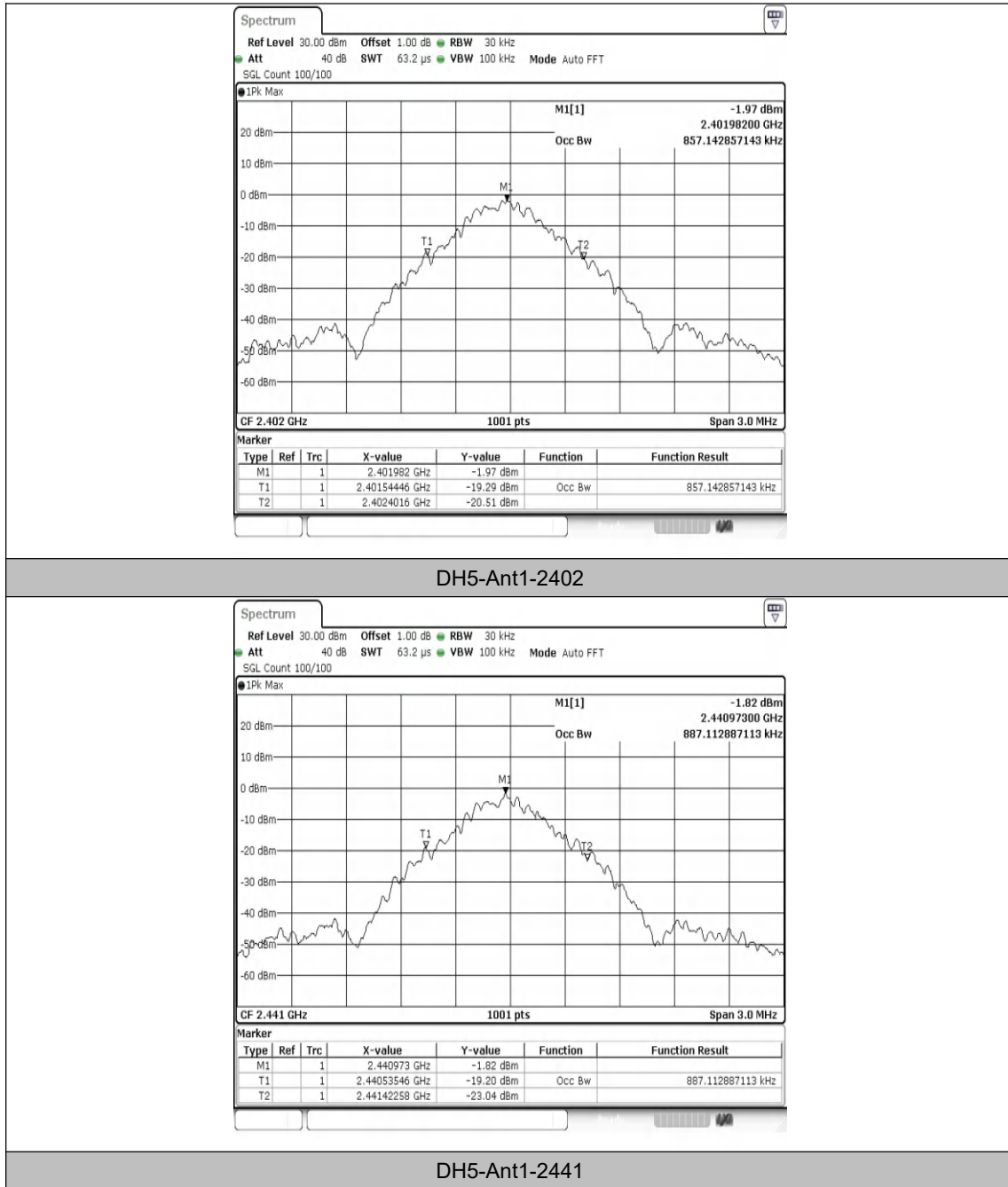
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85714	2401.5445	2402.4016	---	---
DH5	Ant1	2441	0.88711	2440.5355	2441.4226	---	---
DH5	Ant1	2480	0.86314	2479.5445	2480.4076	---	---
2DH5	Ant1	2402	1.1838	2401.3856	2402.5694	---	---
2DH5	Ant1	2441	1.1748	2440.3886	2441.5634	---	---
2DH5	Ant1	2480	1.1688	2479.3916	2480.5604	---	---
3DH5	Ant1	2402	1.1748	2401.3946	2402.5694	---	---
3DH5	Ant1	2441	1.1898	2440.3826	2441.5724	---	---
3DH5	Ant1	2480	1.1808	2479.3976	2480.5784	---	---

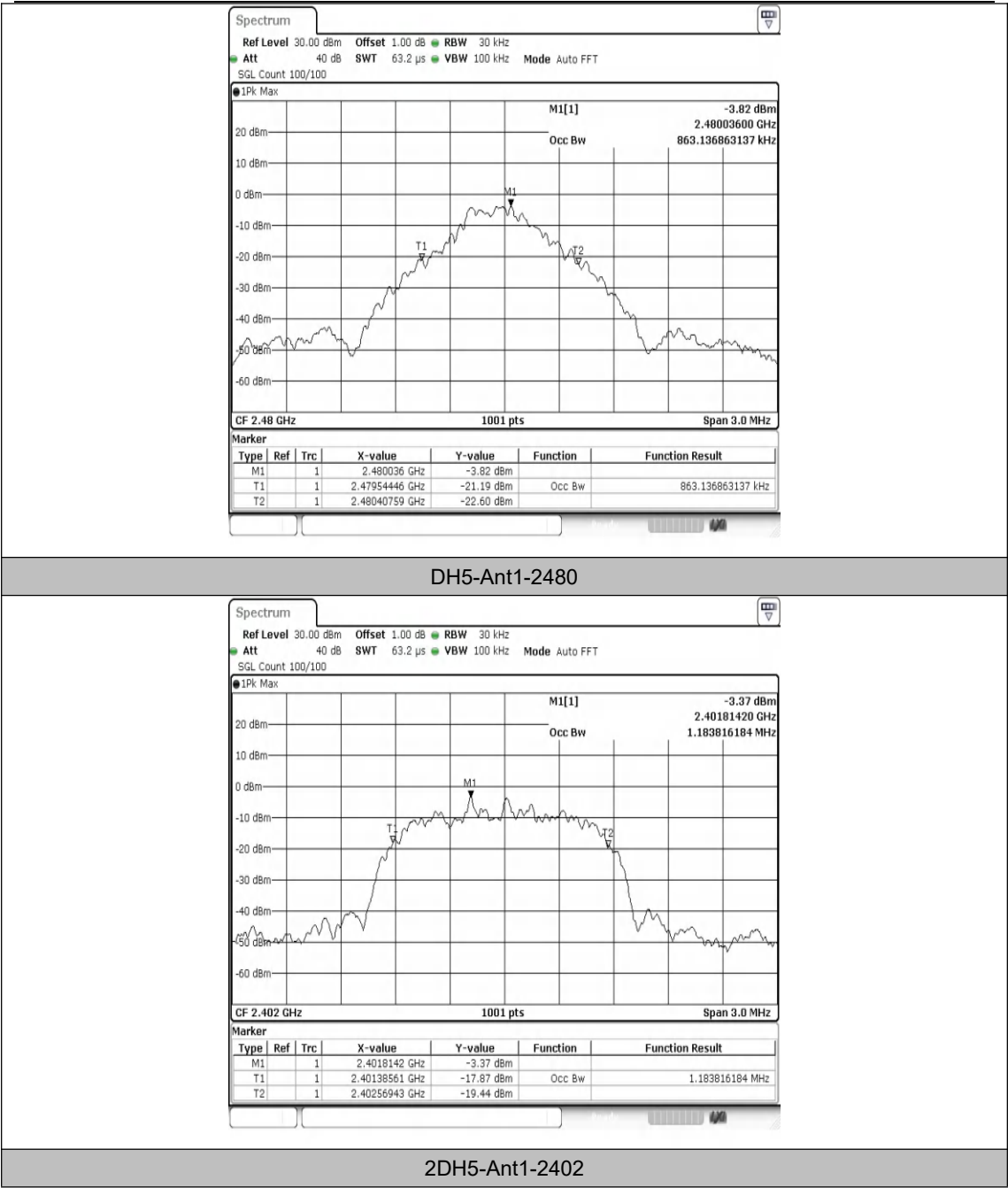
Test Graphs

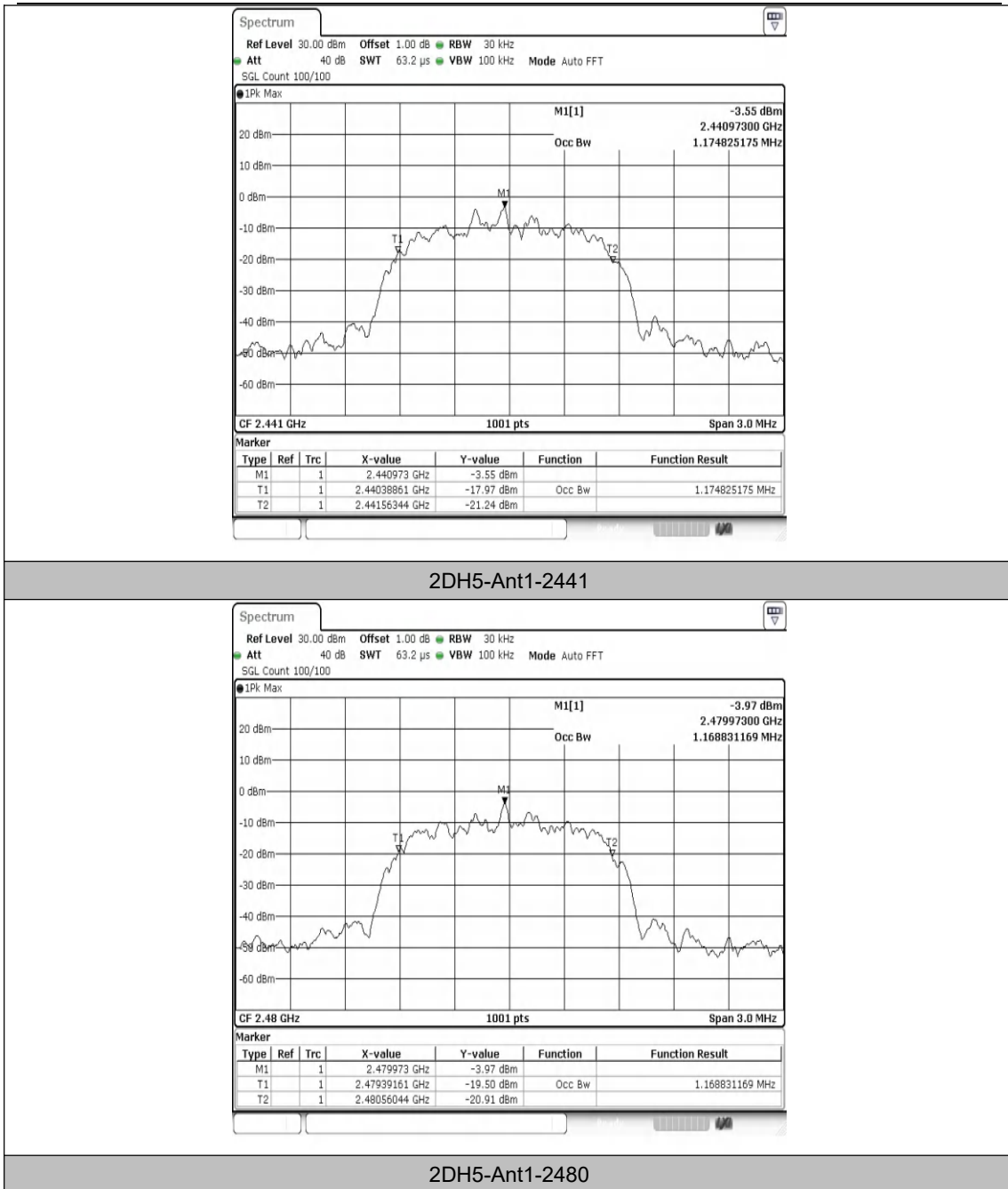


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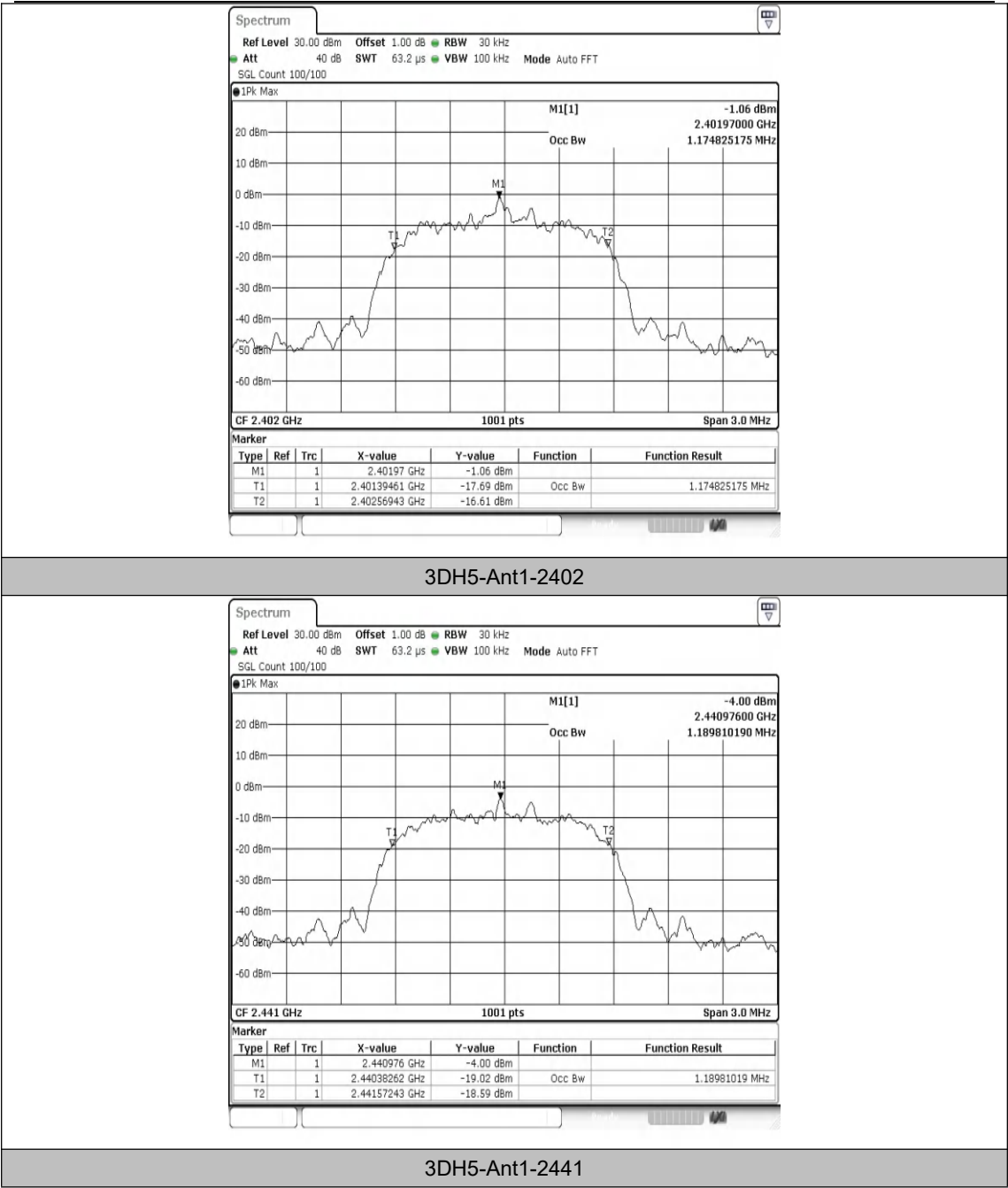


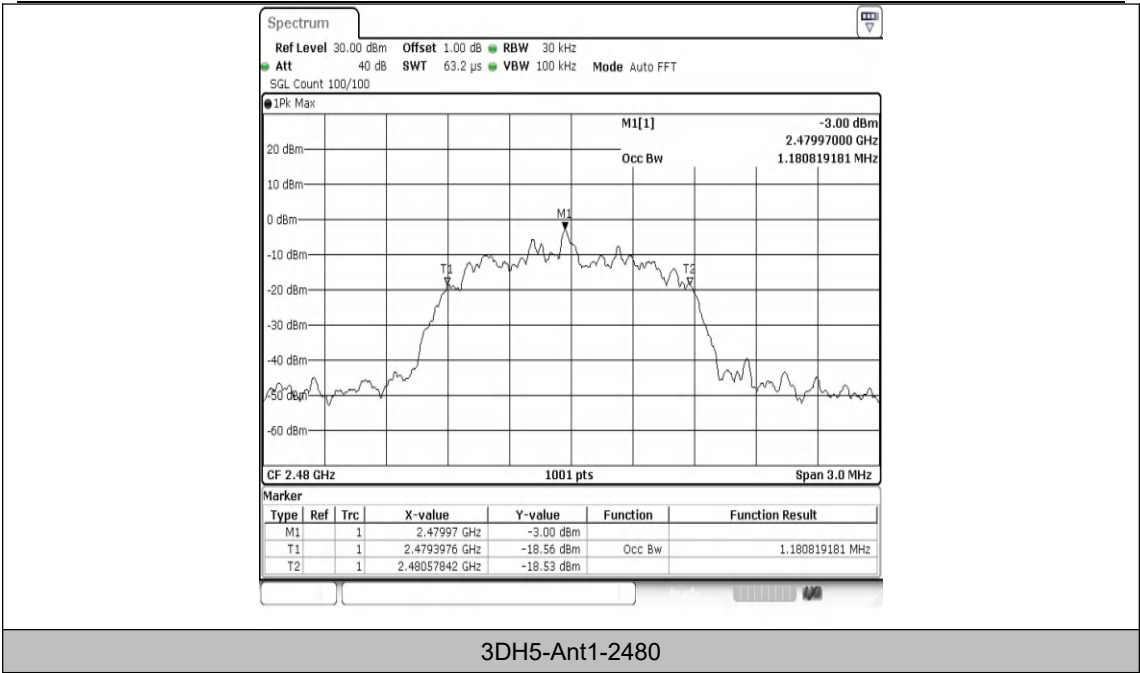


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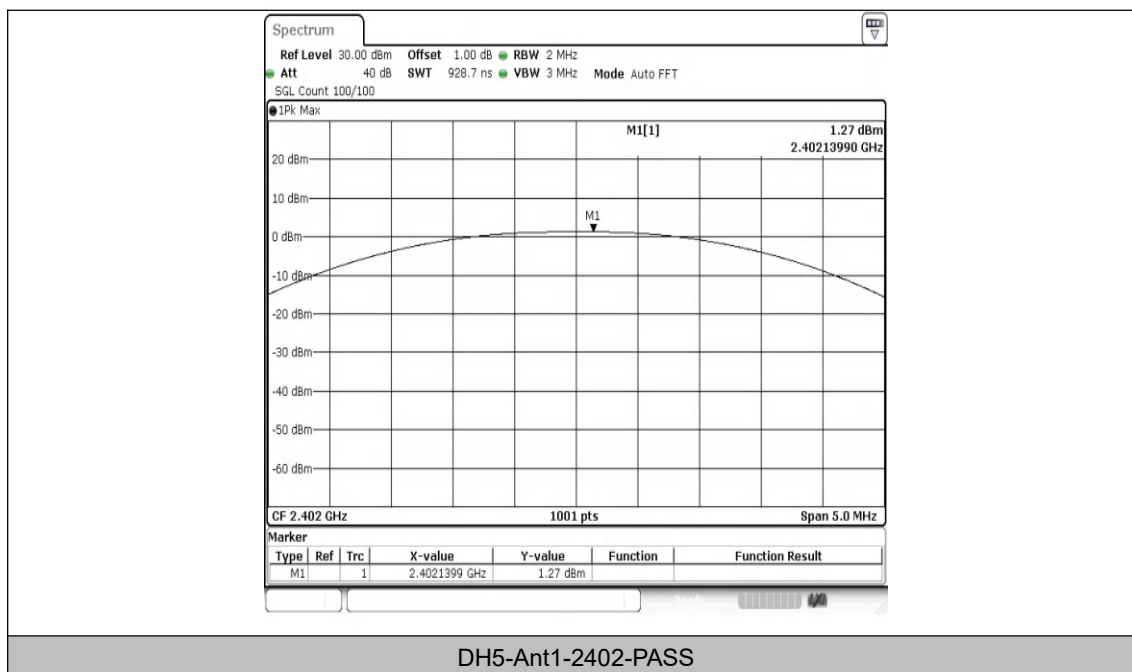
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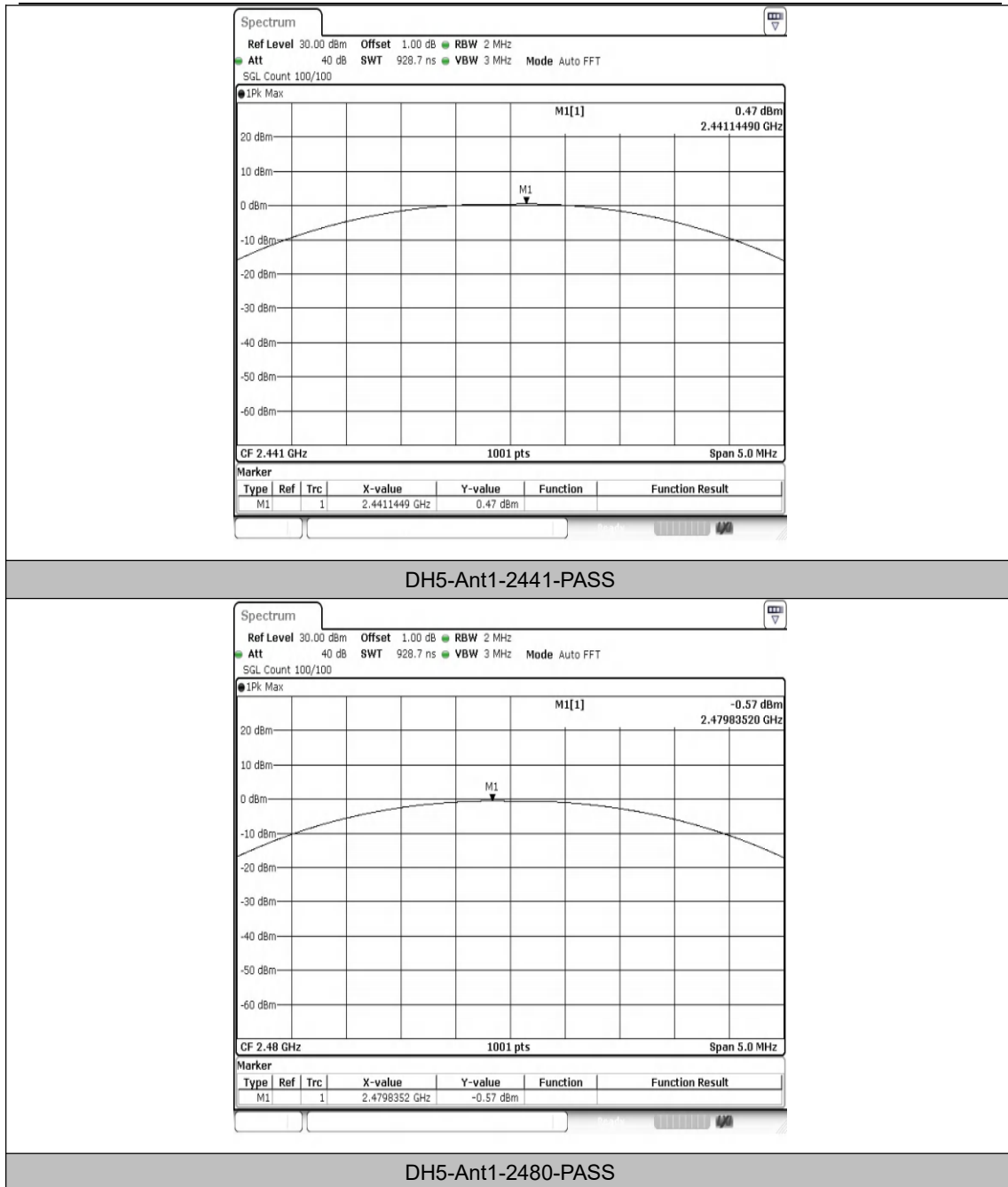
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.27	≤20.97	PASS
DH5	Ant1	2441	0.47	≤20.97	PASS
DH5	Ant1	2480	-0.57	≤20.97	PASS
2DH5	Ant1	2402	1.88	≤20.97	PASS
2DH5	Ant1	2441	0.66	≤20.97	PASS
2DH5	Ant1	2480	-0.38	≤20.97	PASS
3DH5	Ant1	2402	1.92	≤20.97	PASS
3DH5	Ant1	2441	0.90	≤20.97	PASS
3DH5	Ant1	2480	0.15	≤20.97	PASS

Test Graphs

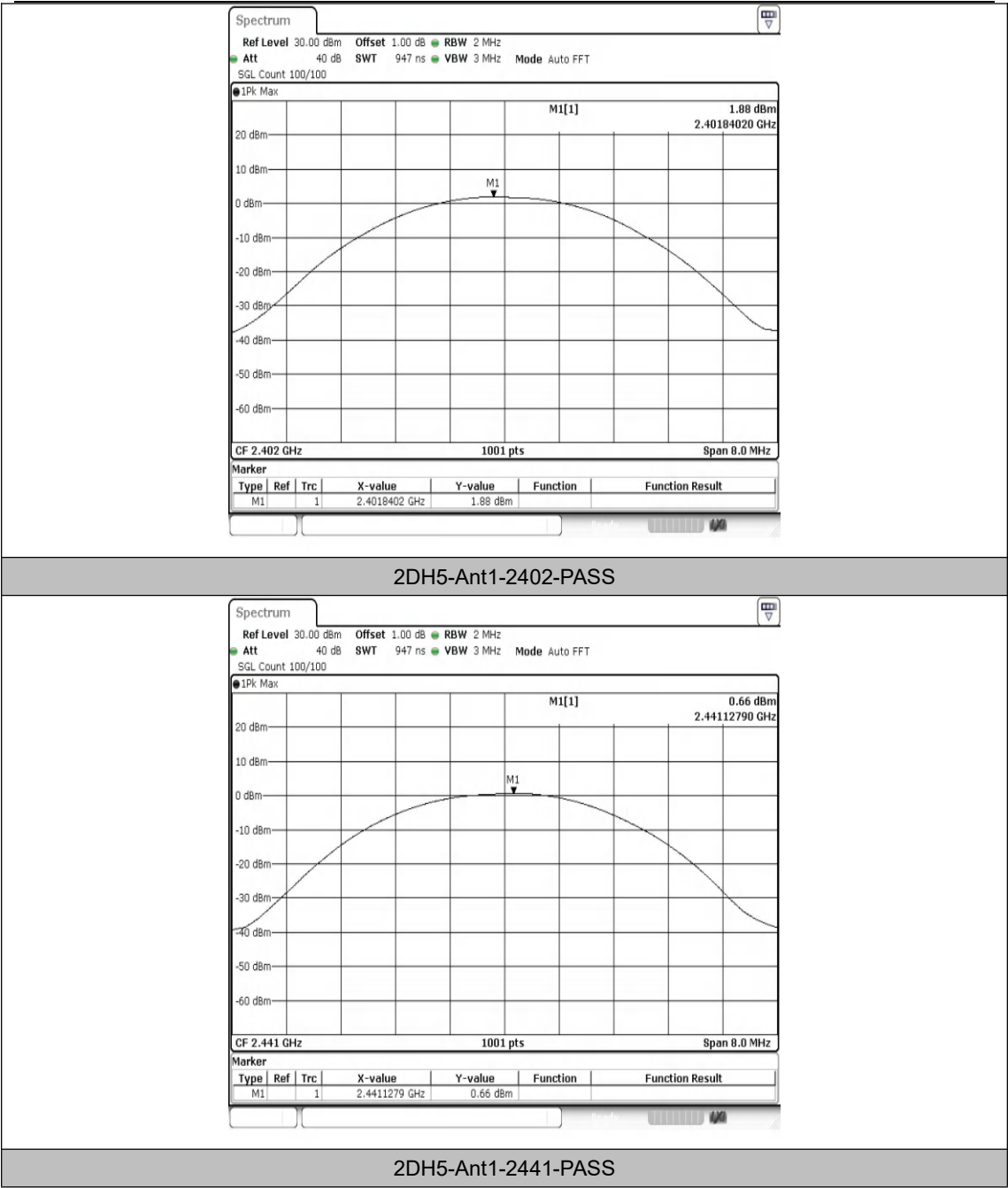


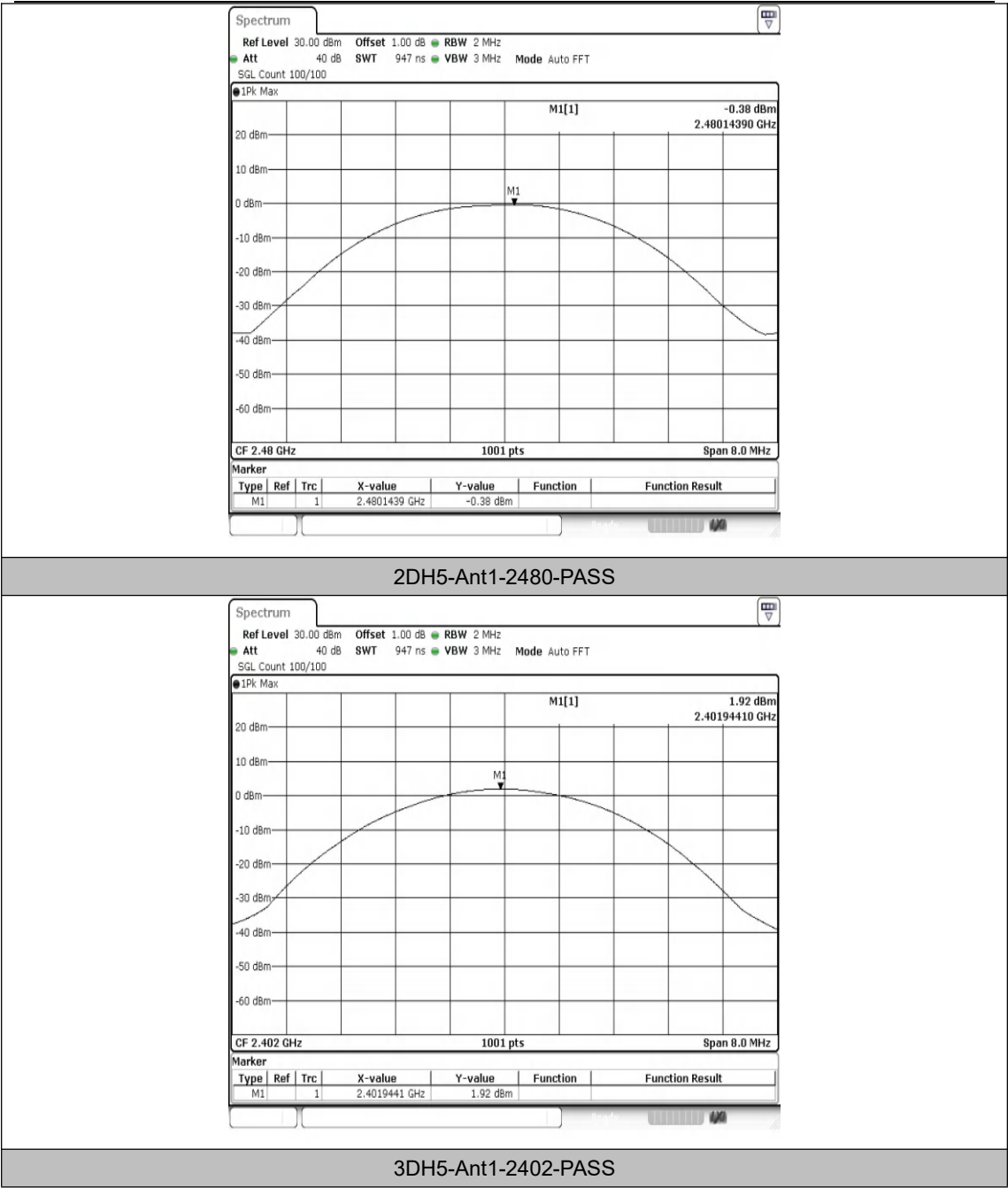


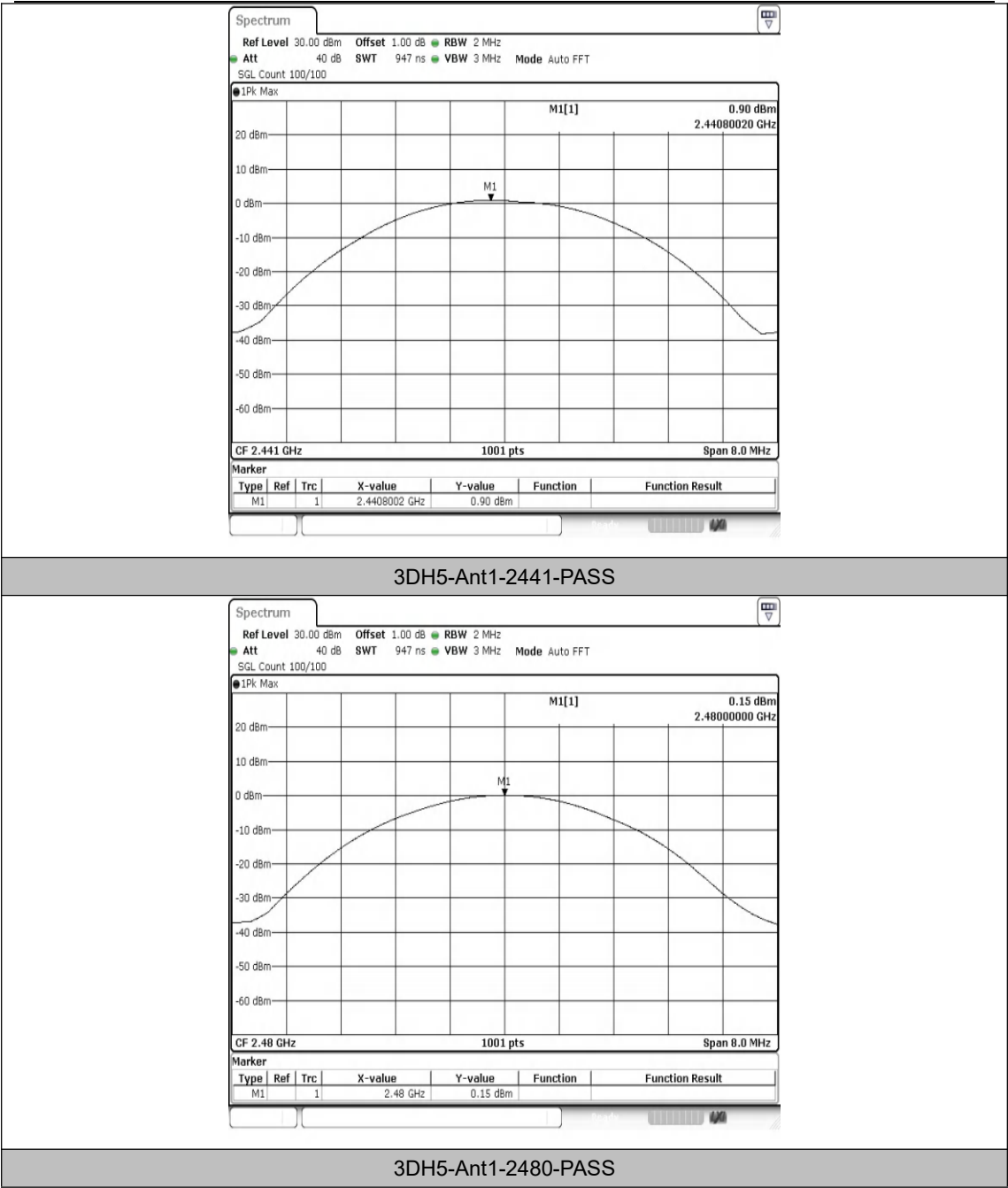
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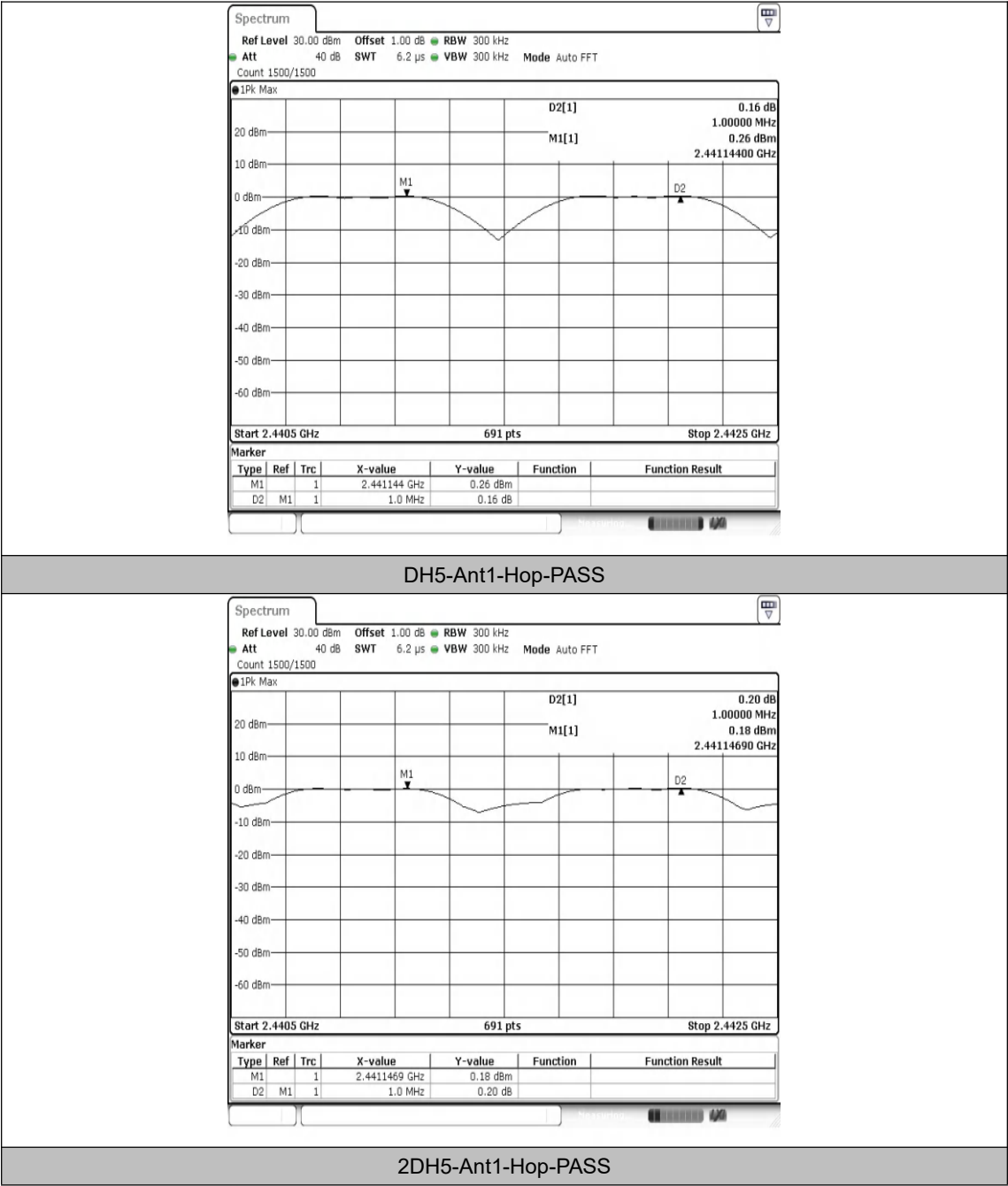


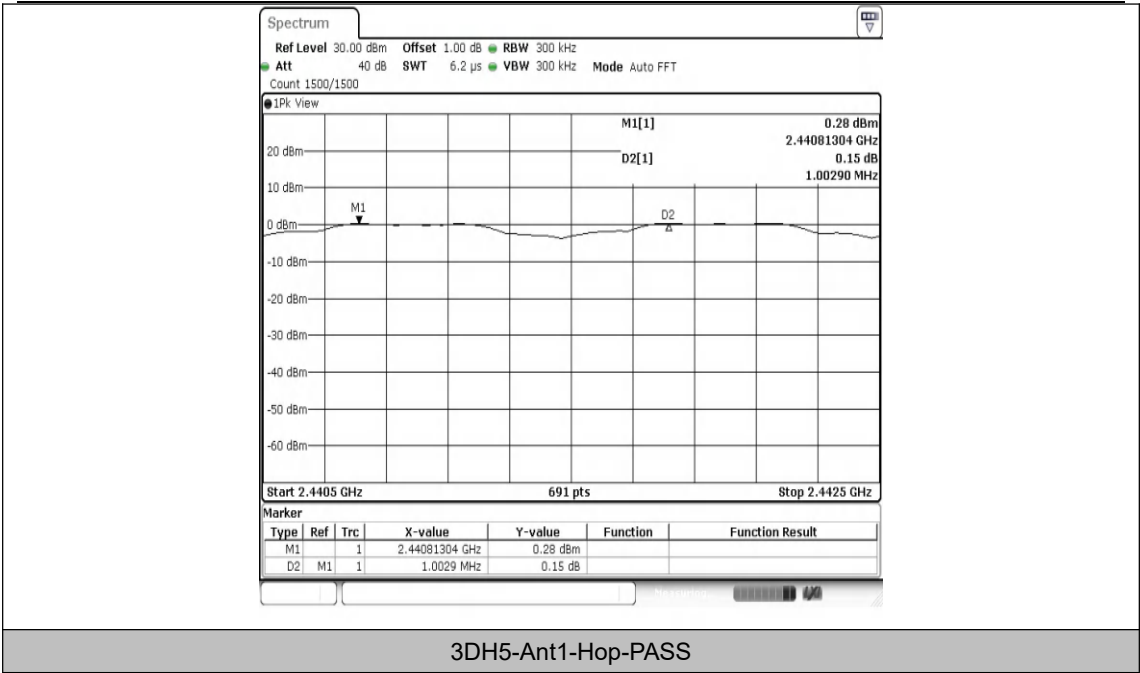
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.000	≥0.640	PASS
2DH5	Ant1	Hop	1.000	≥0.880	PASS
3DH5	Ant1	Hop	1.003	≥0.873	PASS

Test Graphs





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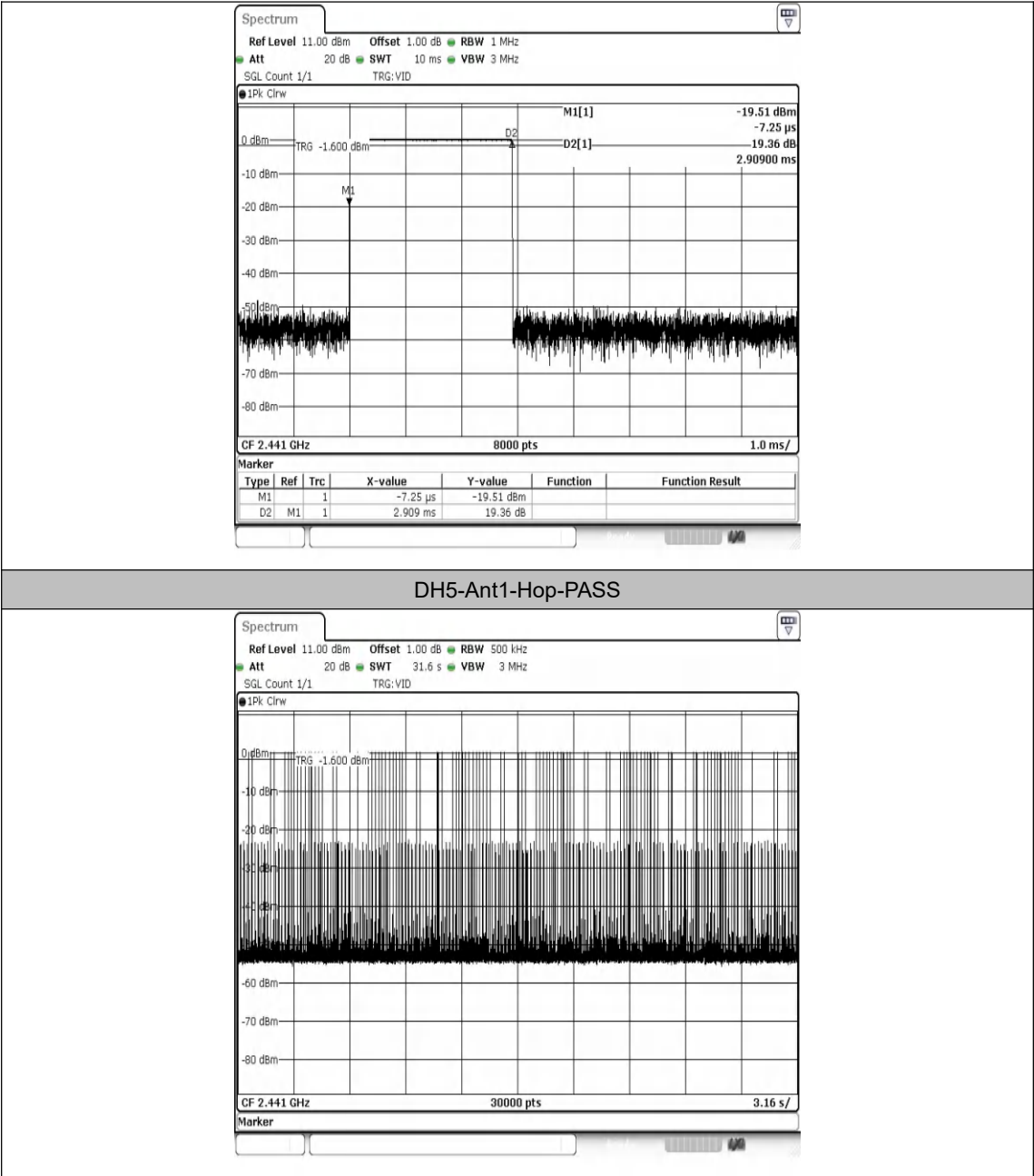
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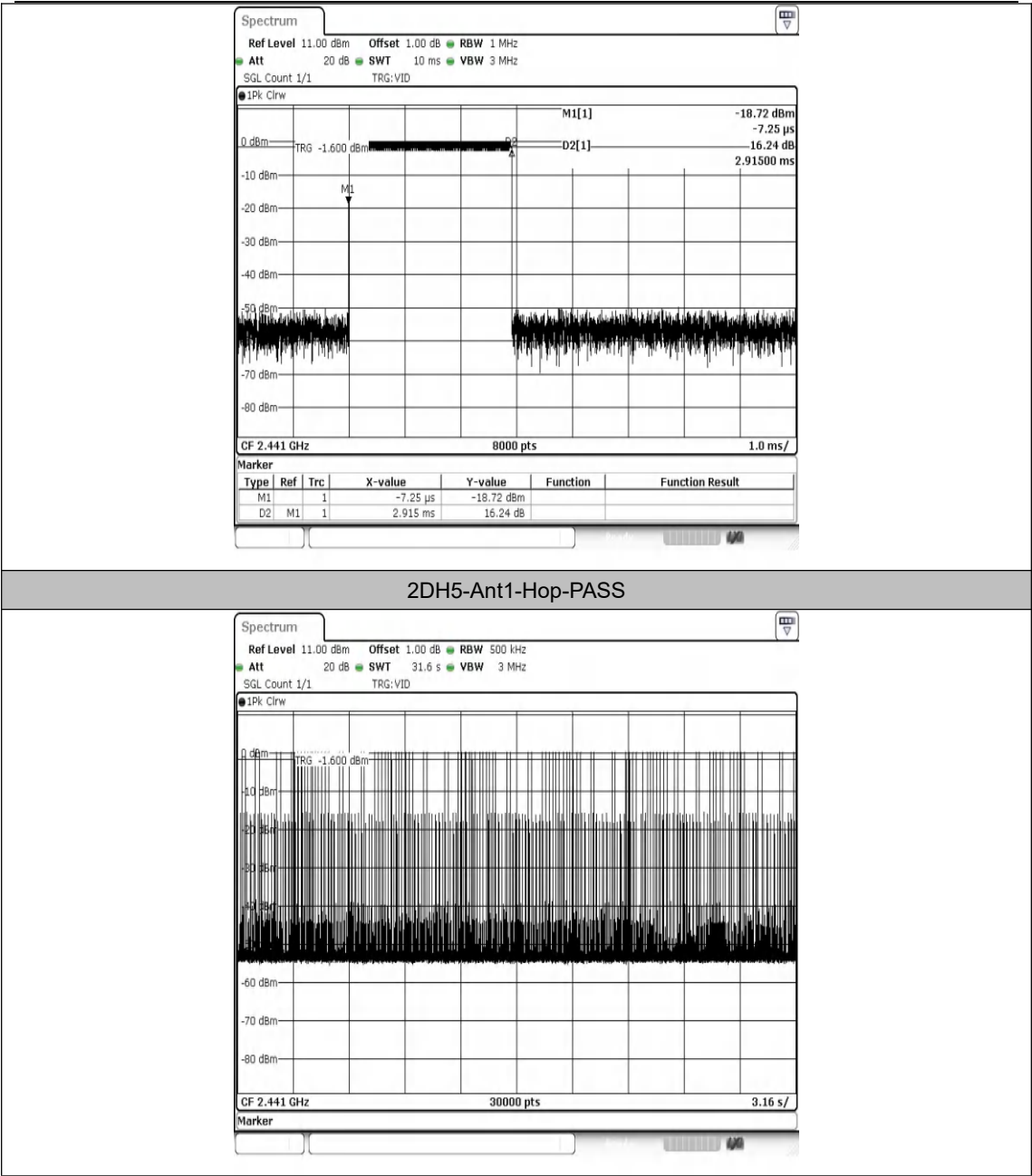
Appendix E: Dwell Time

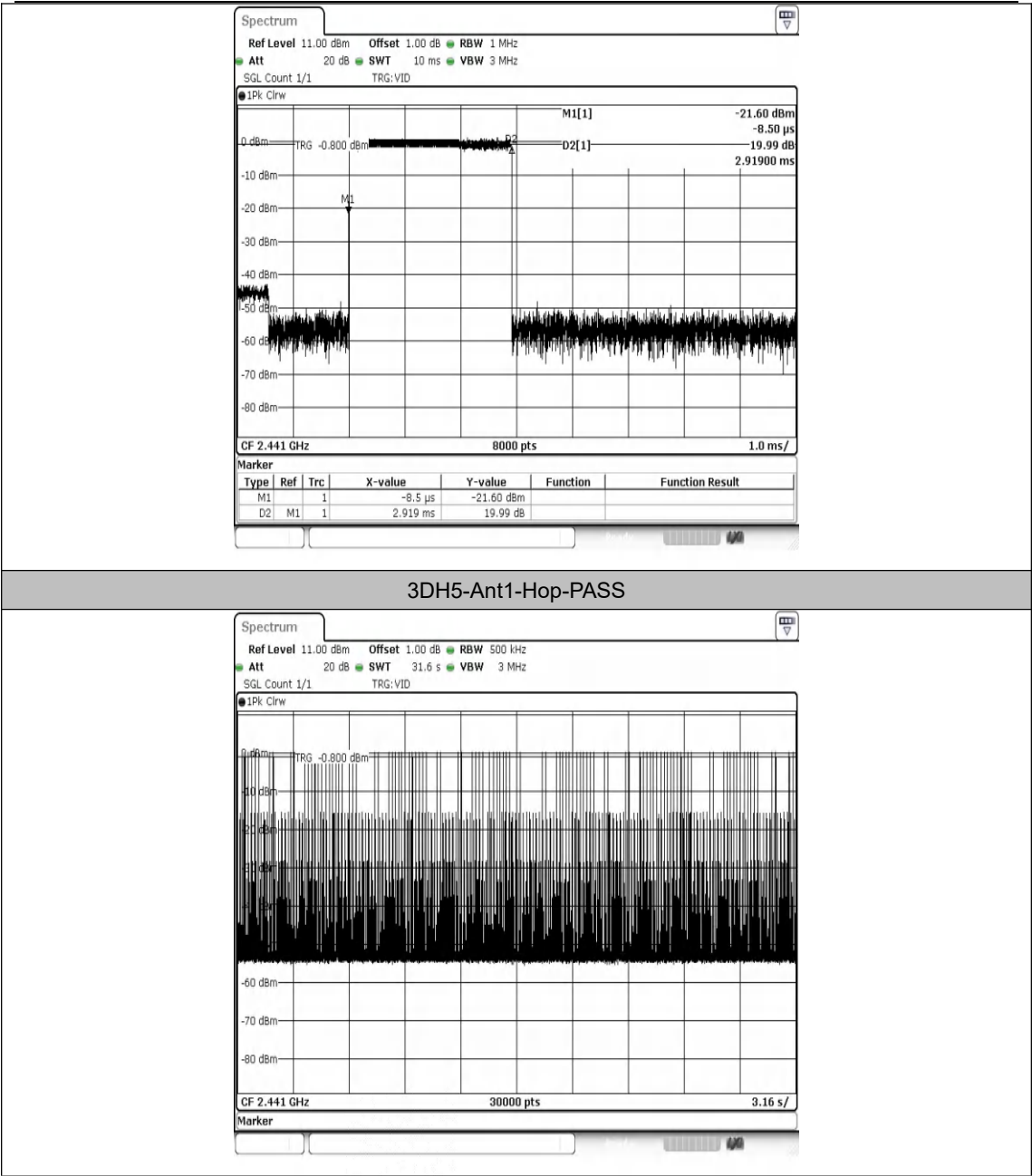
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.909	103	0.3	≤0.4	PASS
2DH5	Ant1	Hop	2.915	103	0.3	≤0.4	PASS
3DH5	Ant1	Hop	2.919	106	0.309	≤0.4	PASS

Test Graphs





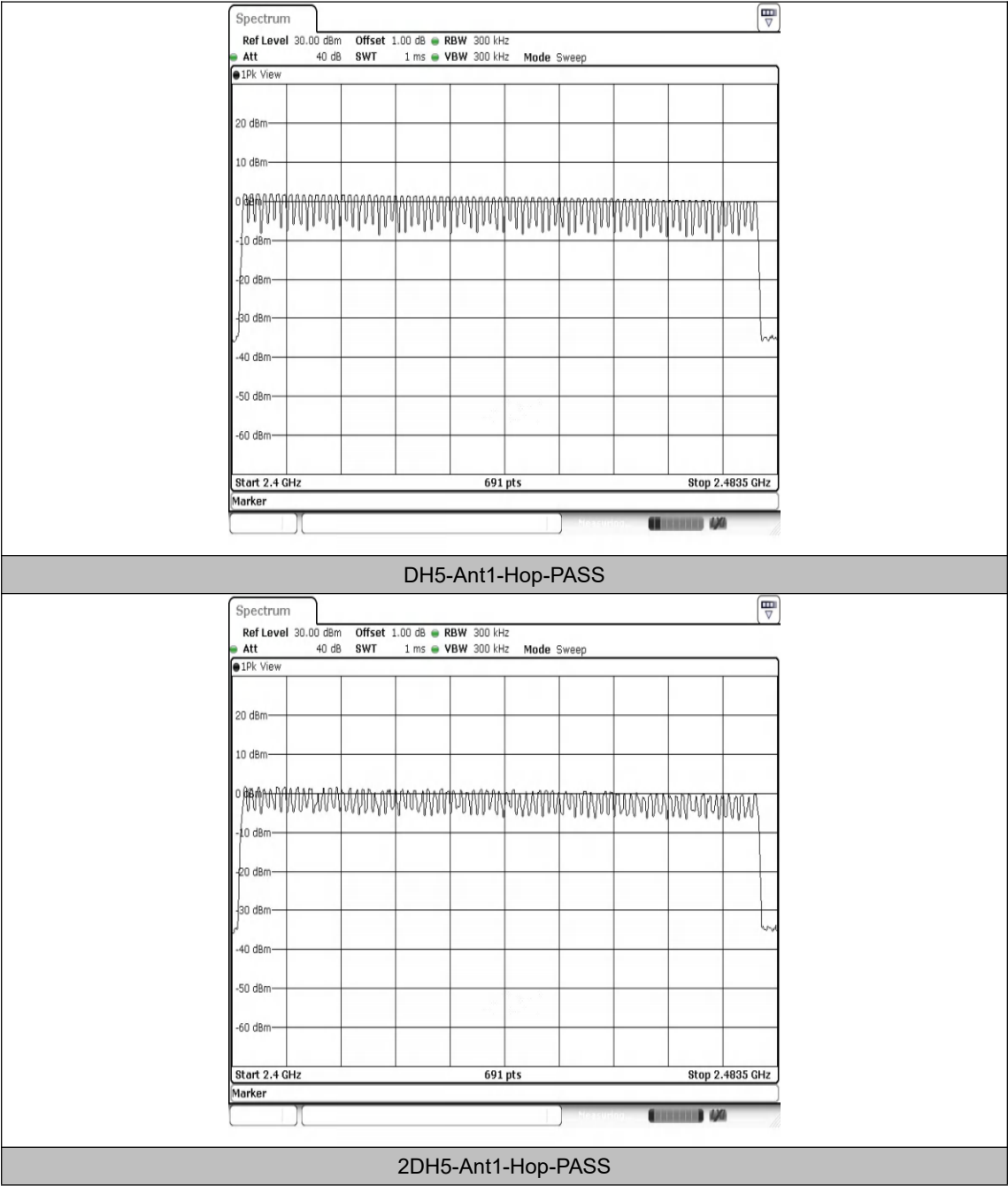


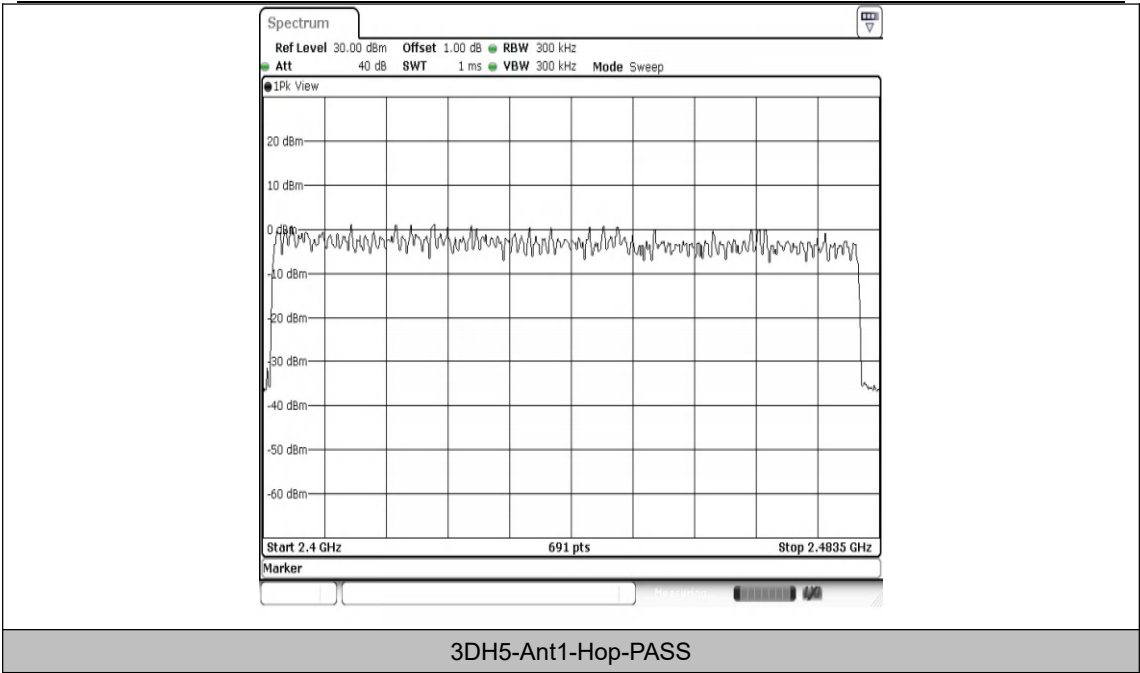
Appendix F: Number of Hopping Channel

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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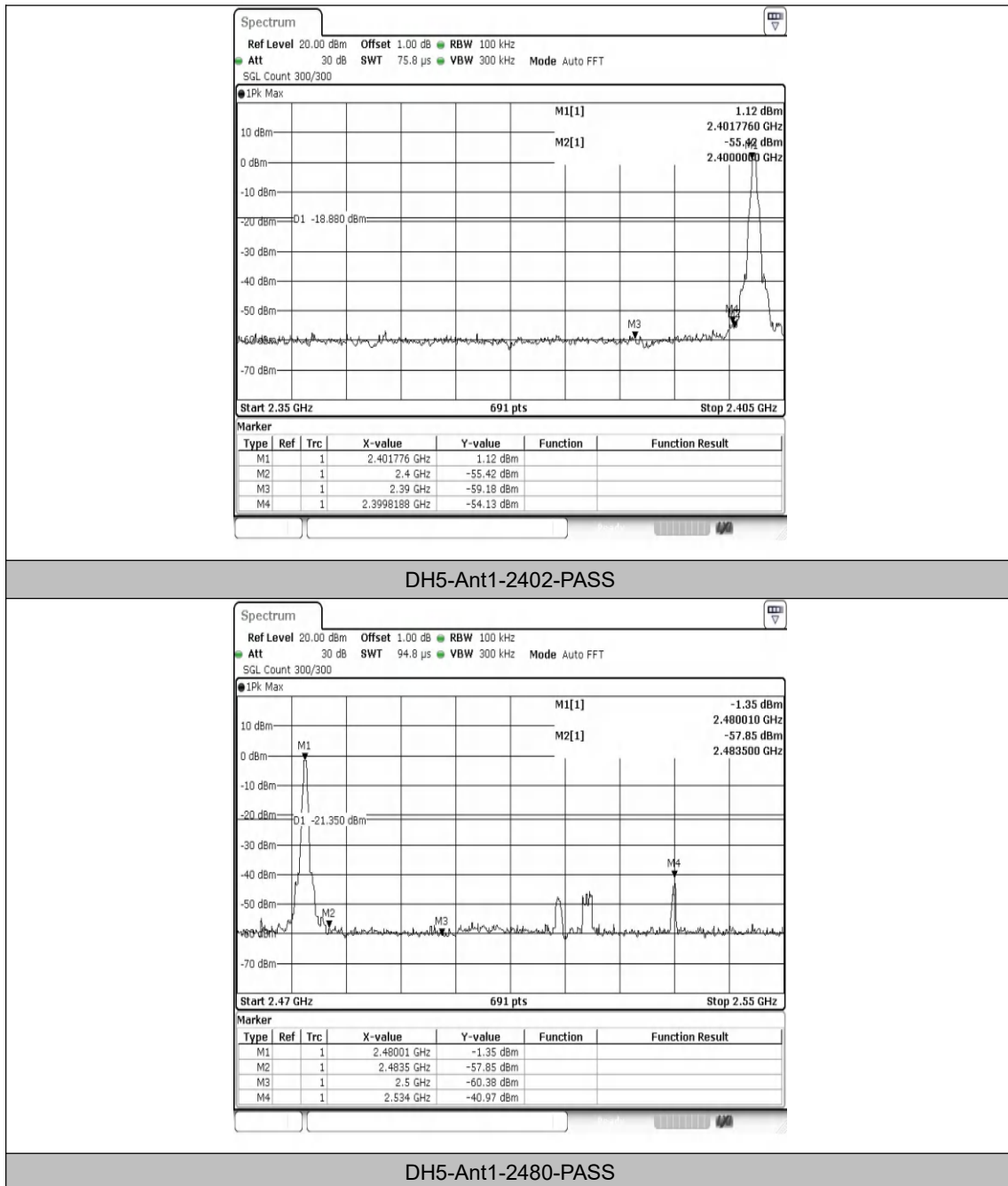
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.12	-54.13	≤-18.88	PASS
DH5	Ant1	High	2480	-1.35	-40.97	≤-21.35	PASS
DH5	Ant1	Low	Hop_2402	-2.32	-57.31	≤-22.32	PASS
DH5	Ant1	High	Hop_2480	-0.88	-56.15	≤-20.88	PASS
2DH5	Ant1	Low	2402	-0.23	-53.75	≤-20.23	PASS
2DH5	Ant1	High	2480	-1.86	-47.4	≤-21.86	PASS
2DH5	Ant1	Low	Hop_2402	0.40	-56.84	≤-19.6	PASS
2DH5	Ant1	High	Hop_2480	-1.41	-56.03	≤-21.41	PASS
3DH5	Ant1	Low	2402	1.01	-53.8	≤-18.99	PASS
3DH5	Ant1	High	2480	-1.11	-56.11	≤-21.11	PASS
3DH5	Ant1	Low	Hop_2402	-2.03	-57.48	≤-22.03	PASS
3DH5	Ant1	High	Hop_2480	-1.80	-55.91	≤-21.8	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.

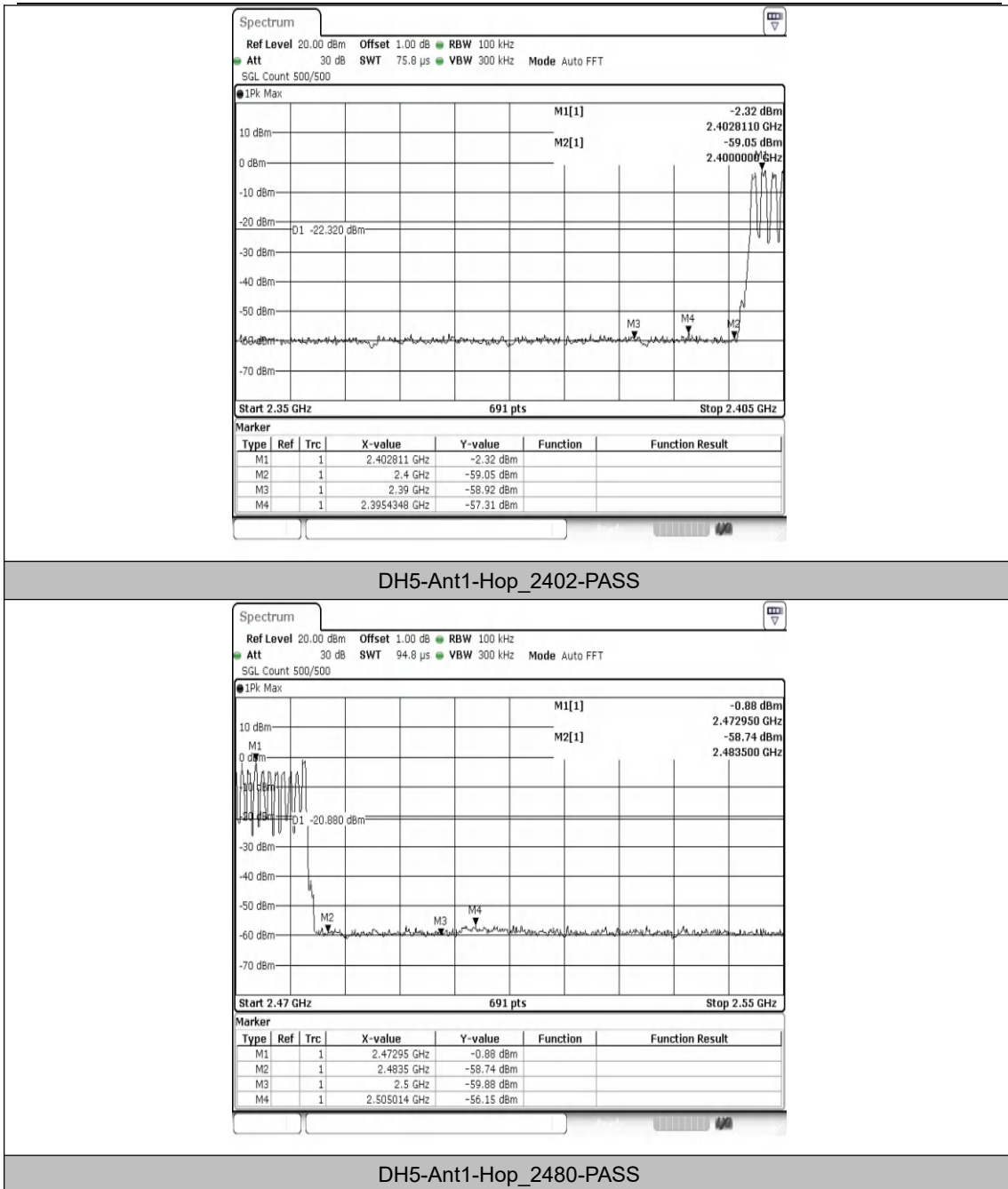
Test Graphs



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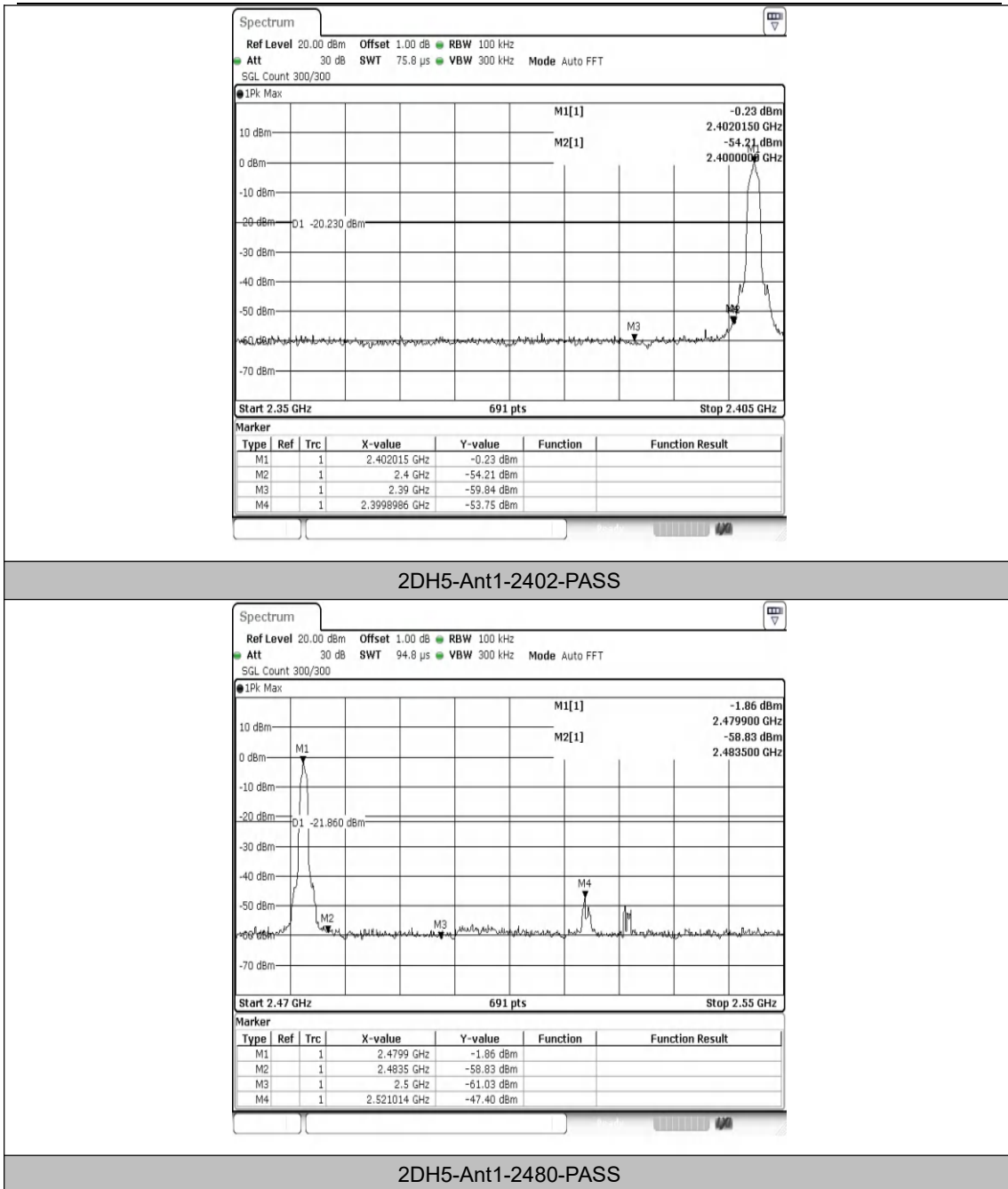
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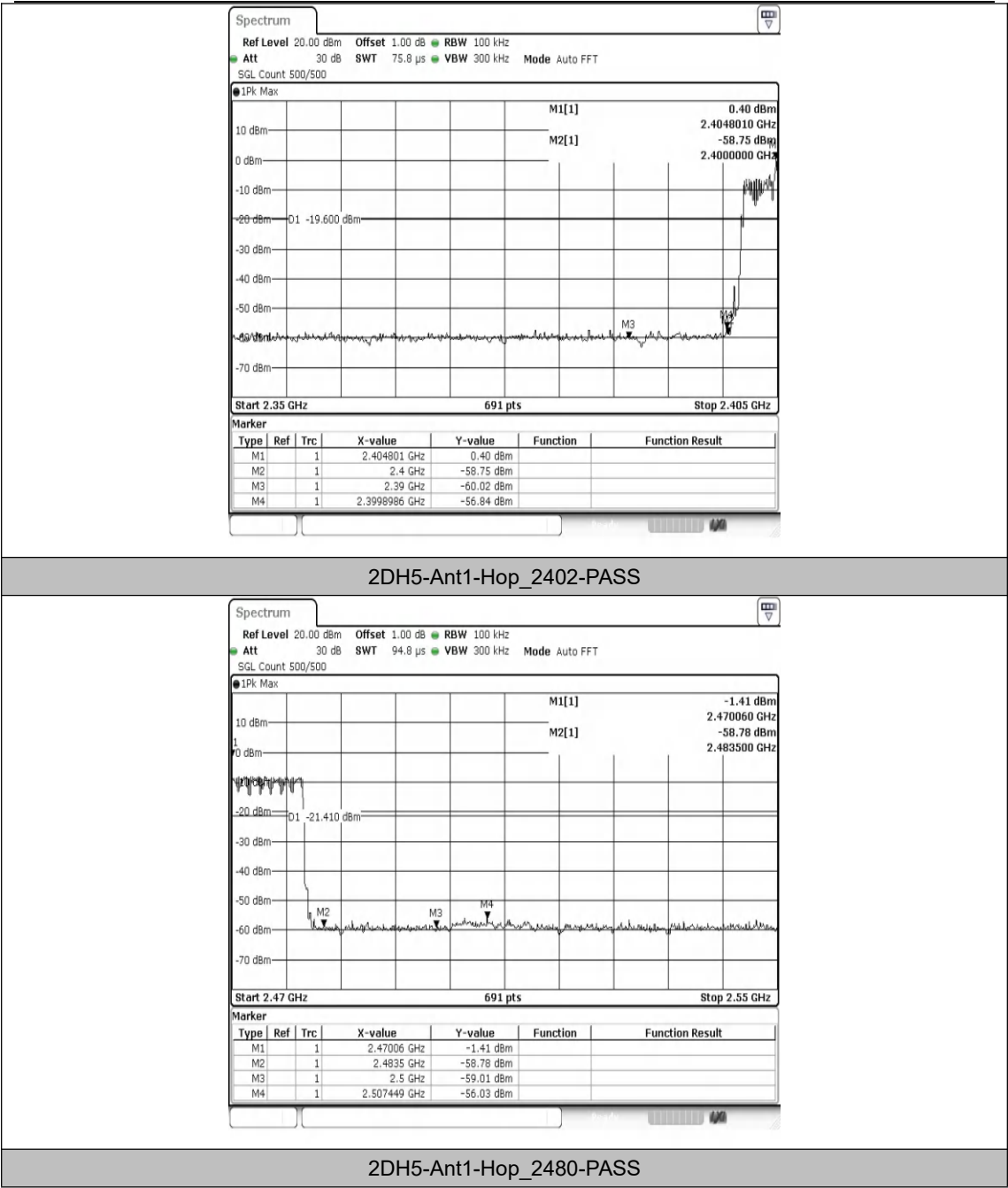
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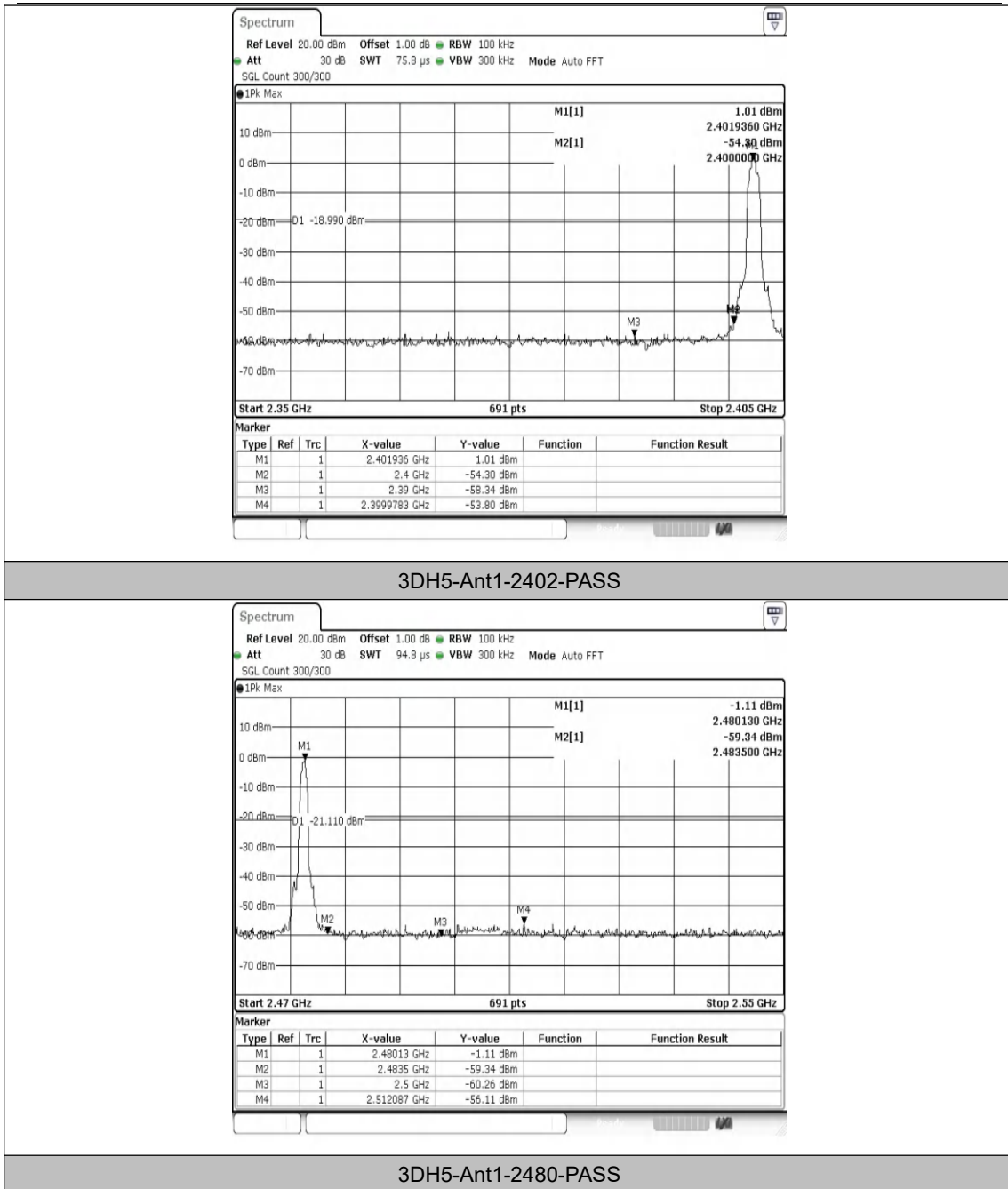


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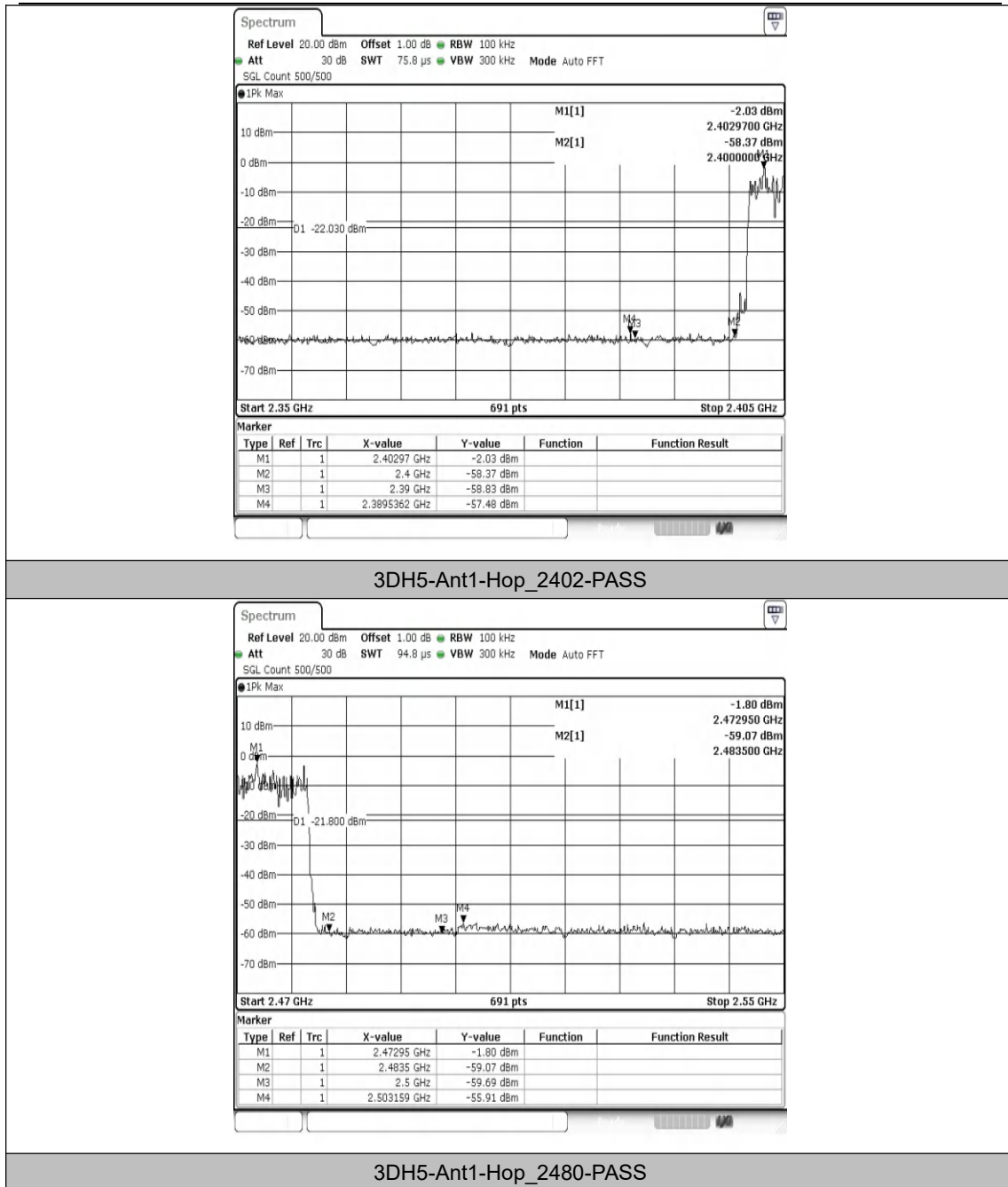




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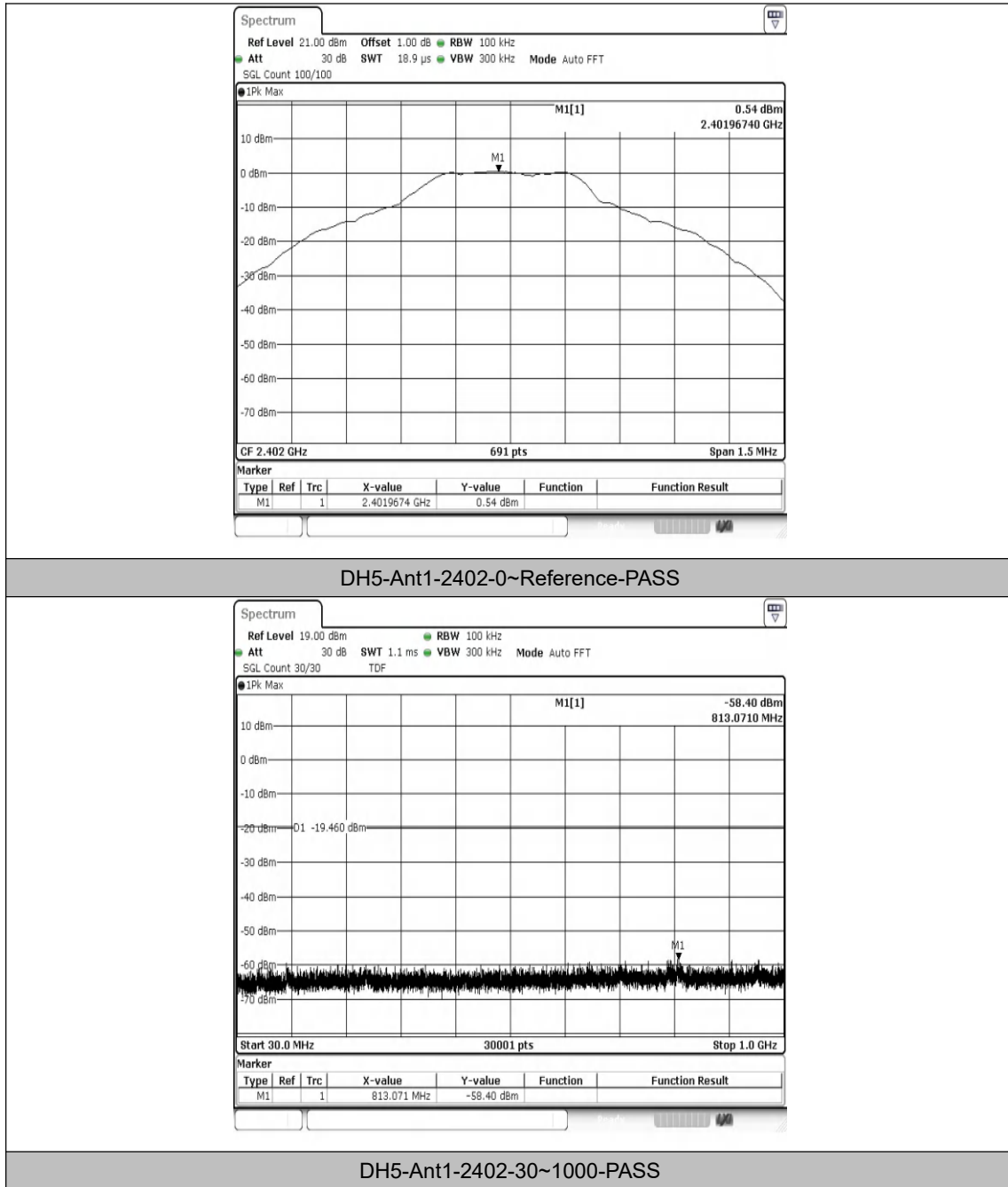
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.54	0.54	---	PASS
DH5	Ant1	2402	30~1000	0.54	-58.4	≤-19.46	PASS
DH5	Ant1	2402	1000~26500	0.54	-36.12	≤-19.46	PASS
DH5	Ant1	2441	0~Reference	-0.40	-0.40	---	PASS
DH5	Ant1	2441	30~1000	-0.40	-57.12	≤-20.4	PASS
DH5	Ant1	2441	1000~26500	-0.40	-35.93	≤-20.4	PASS
DH5	Ant1	2480	0~Reference	-1.19	-1.19	---	PASS
DH5	Ant1	2480	30~1000	-1.19	-57.22	≤-21.19	PASS
DH5	Ant1	2480	1000~26500	-1.19	-38.4	≤-21.19	PASS
2DH5	Ant1	2402	0~Reference	-0.08	-0.08	---	PASS
2DH5	Ant1	2402	30~1000	-0.08	-57.03	≤-20.08	PASS
2DH5	Ant1	2402	1000~26500	-0.08	-35.6	≤-20.08	PASS
2DH5	Ant1	2441	0~Reference	-0.04	-0.04	---	PASS
2DH5	Ant1	2441	30~1000	-0.04	-52.63	≤-20.04	PASS
2DH5	Ant1	2441	1000~26500	-0.04	-36.01	≤-20.04	PASS
2DH5	Ant1	2480	0~Reference	-5.33	-5.33	---	PASS
2DH5	Ant1	2480	30~1000	-5.33	-38.5	≤-25.33	PASS
2DH5	Ant1	2480	1000~26500	-5.33	-39.36	≤-25.33	PASS
3DH5	Ant1	2402	0~Reference	-1.32	-1.32	---	PASS
3DH5	Ant1	2402	30~1000	-1.32	-58.26	≤-21.32	PASS
3DH5	Ant1	2402	1000~26500	-1.32	-37.49	≤-21.32	PASS
3DH5	Ant1	2441	0~Reference	-1.99	-1.99	---	PASS
3DH5	Ant1	2441	30~1000	-1.99	-57.59	≤-21.99	PASS
3DH5	Ant1	2441	1000~26500	-1.99	-37.18	≤-21.99	PASS
3DH5	Ant1	2480	0~Reference	-1.92	-1.92	---	PASS
3DH5	Ant1	2480	30~1000	-1.92	-58.61	≤-21.92	PASS
3DH5	Ant1	2480	1000~26500	-1.92	-42.11	≤-21.92	PASS

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

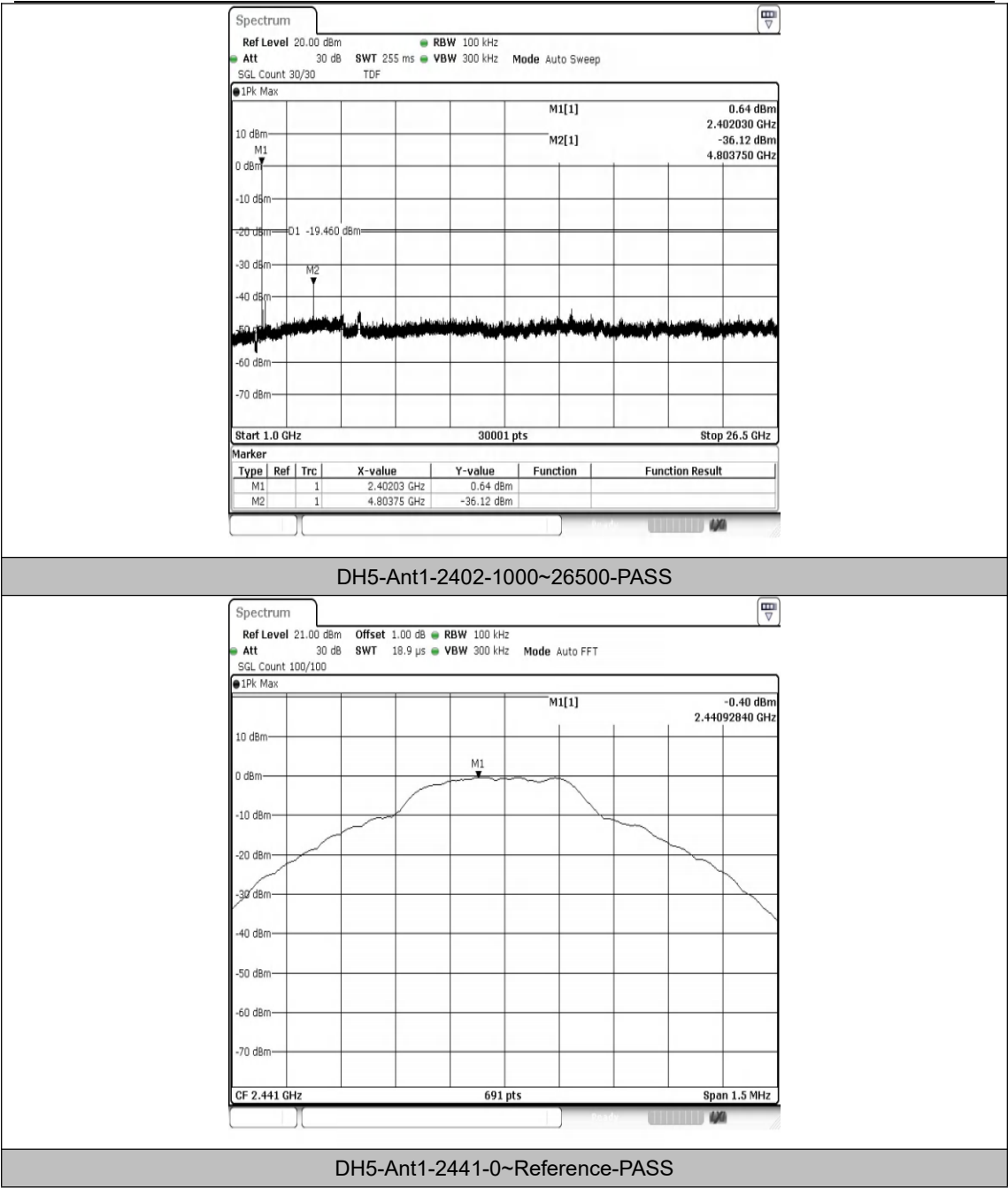
Test Graphs

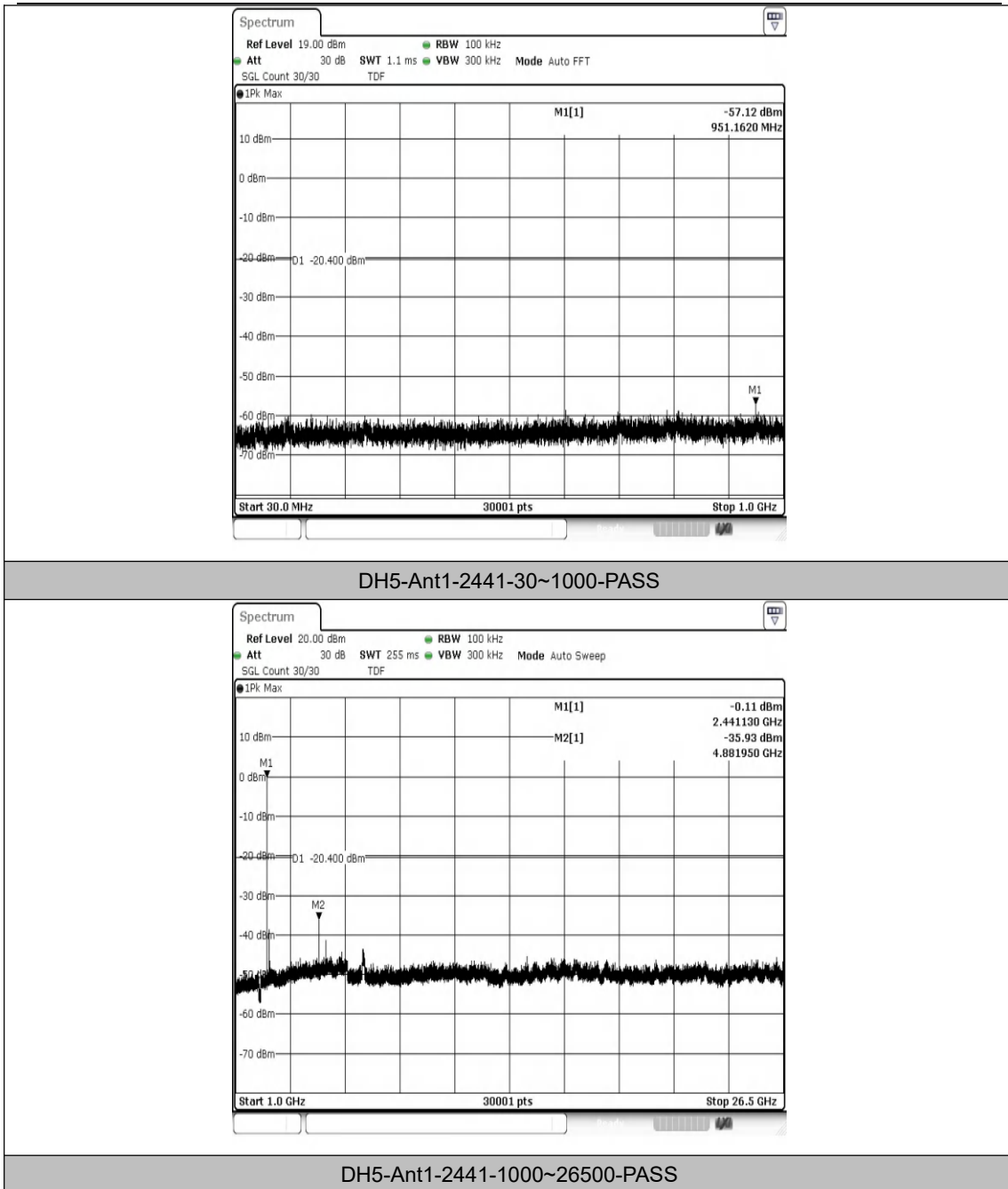


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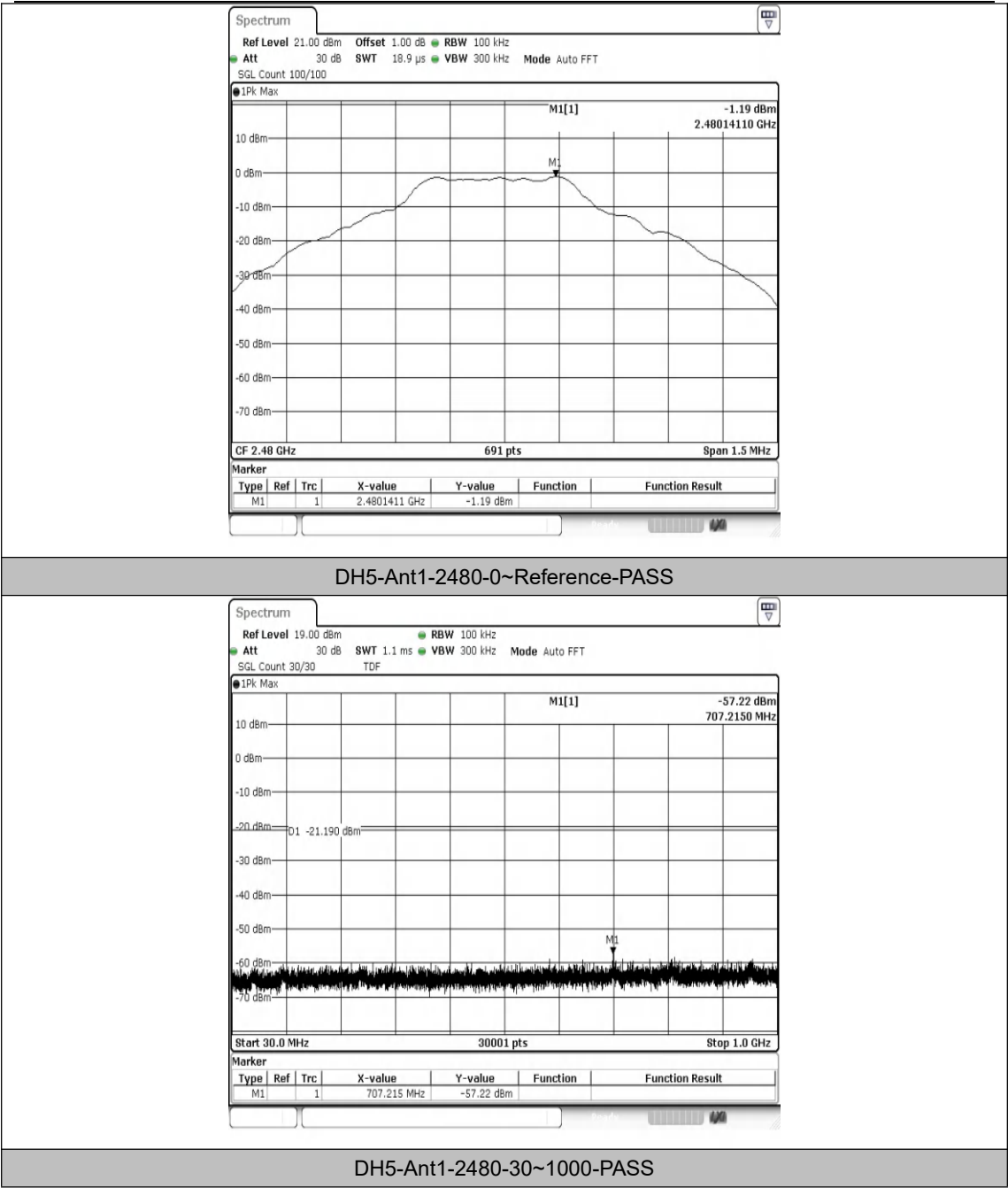




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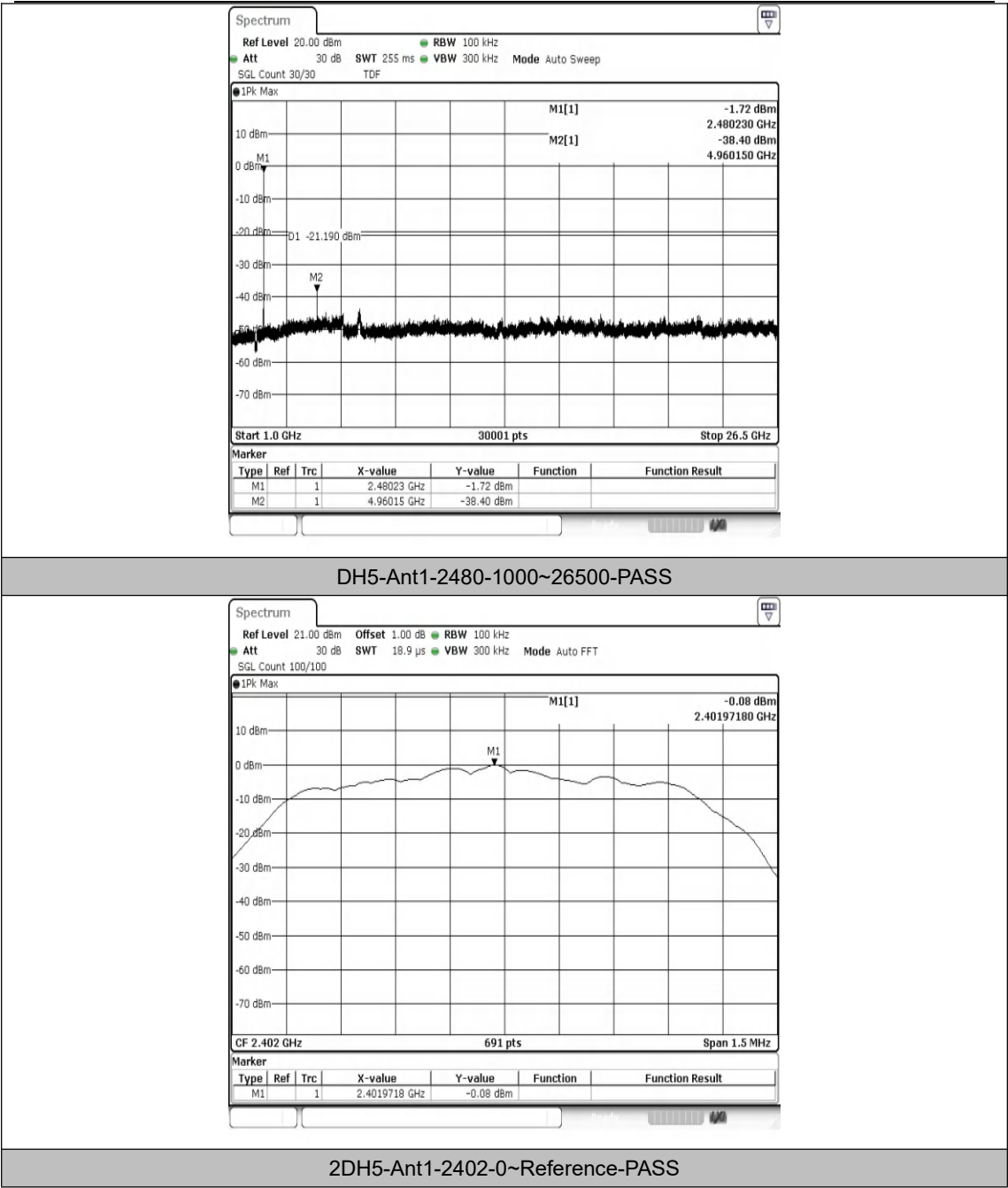
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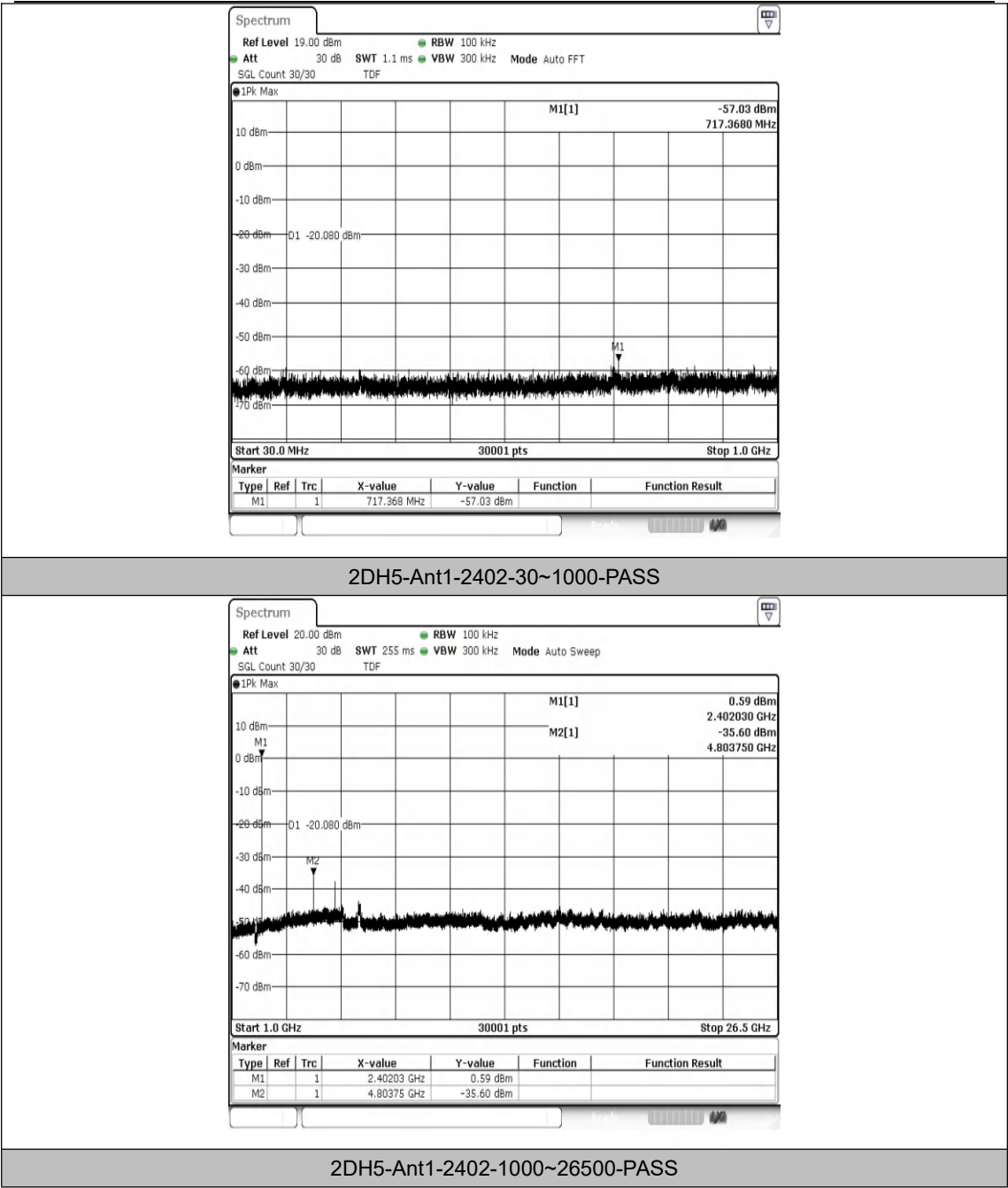


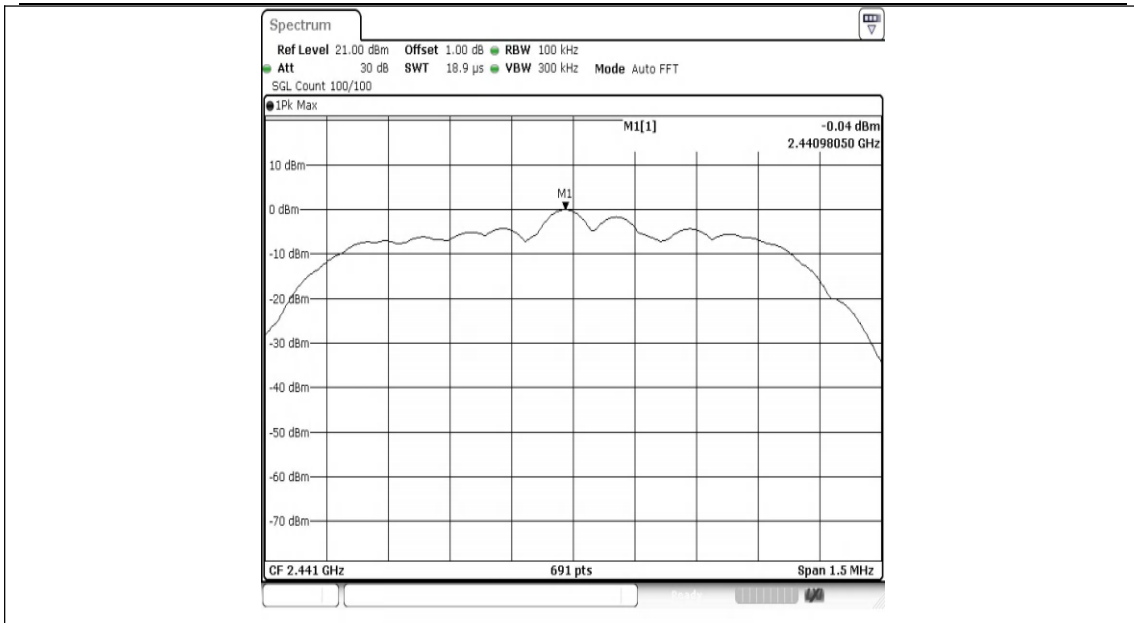
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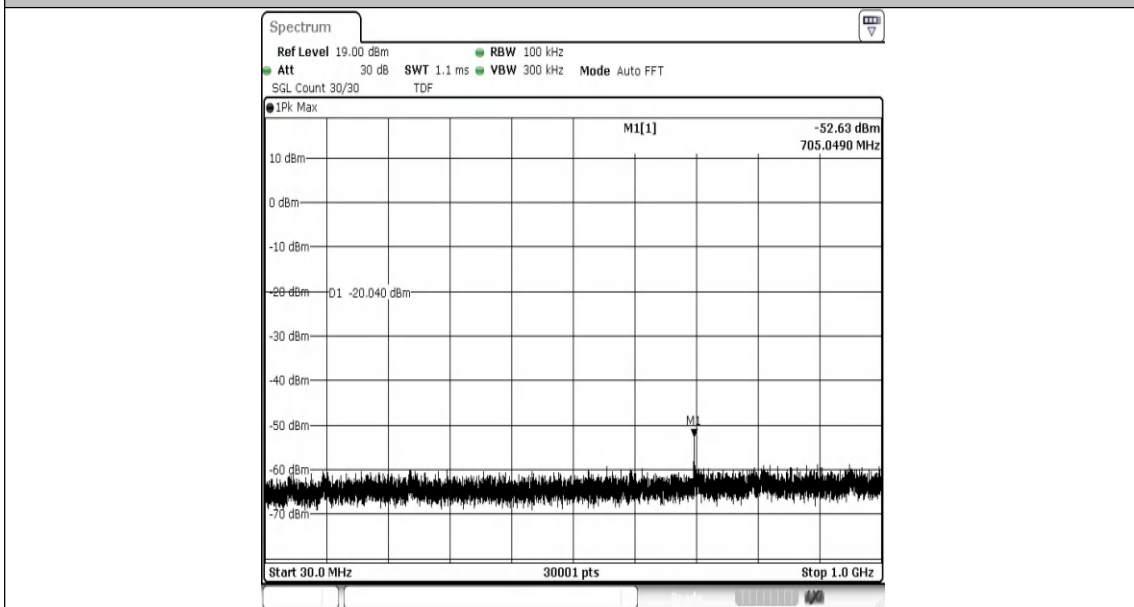
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2DH5-Ant1-2441-0~Reference-PASS

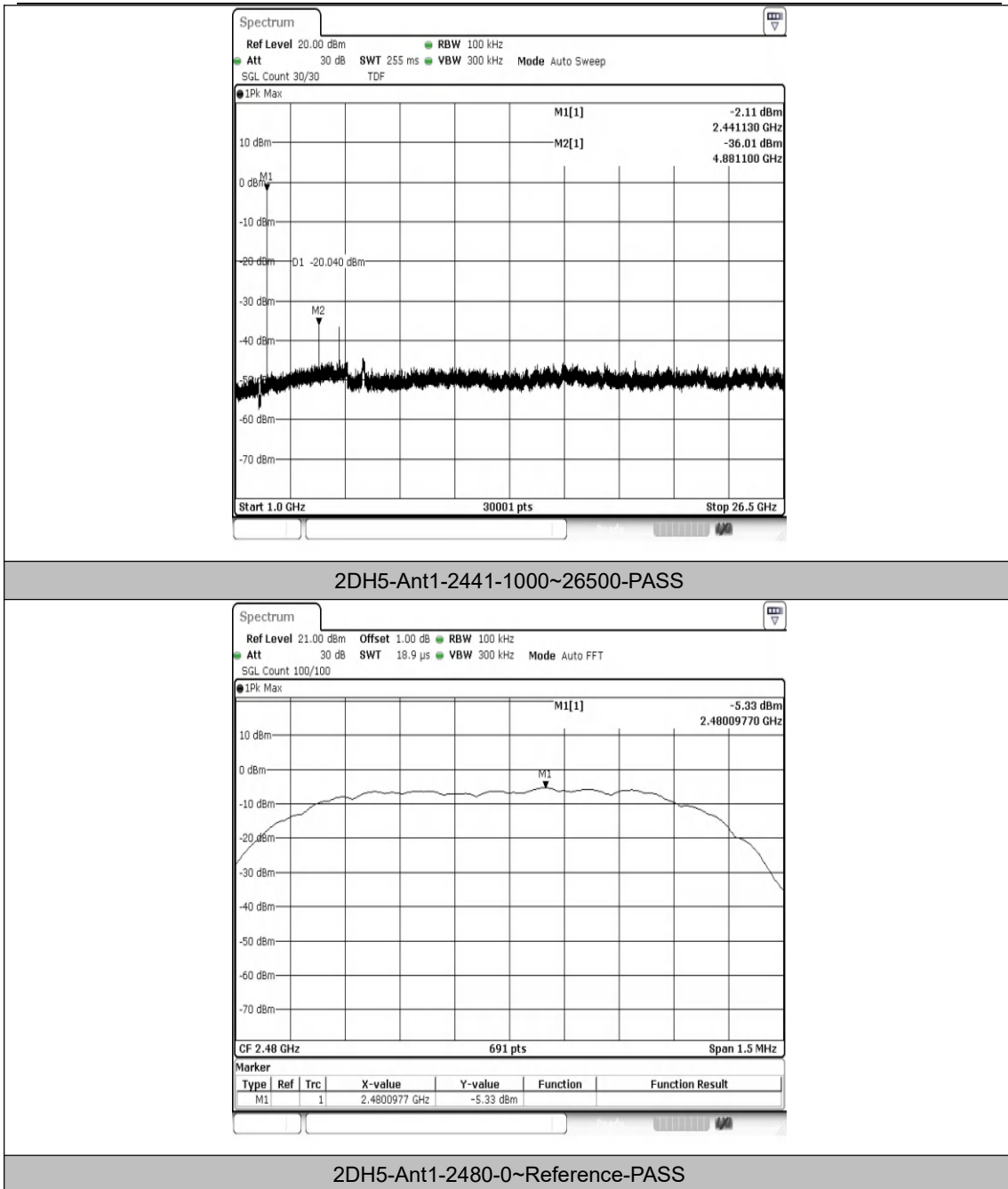


2DH5-Ant1-2441-30~1000-PASS

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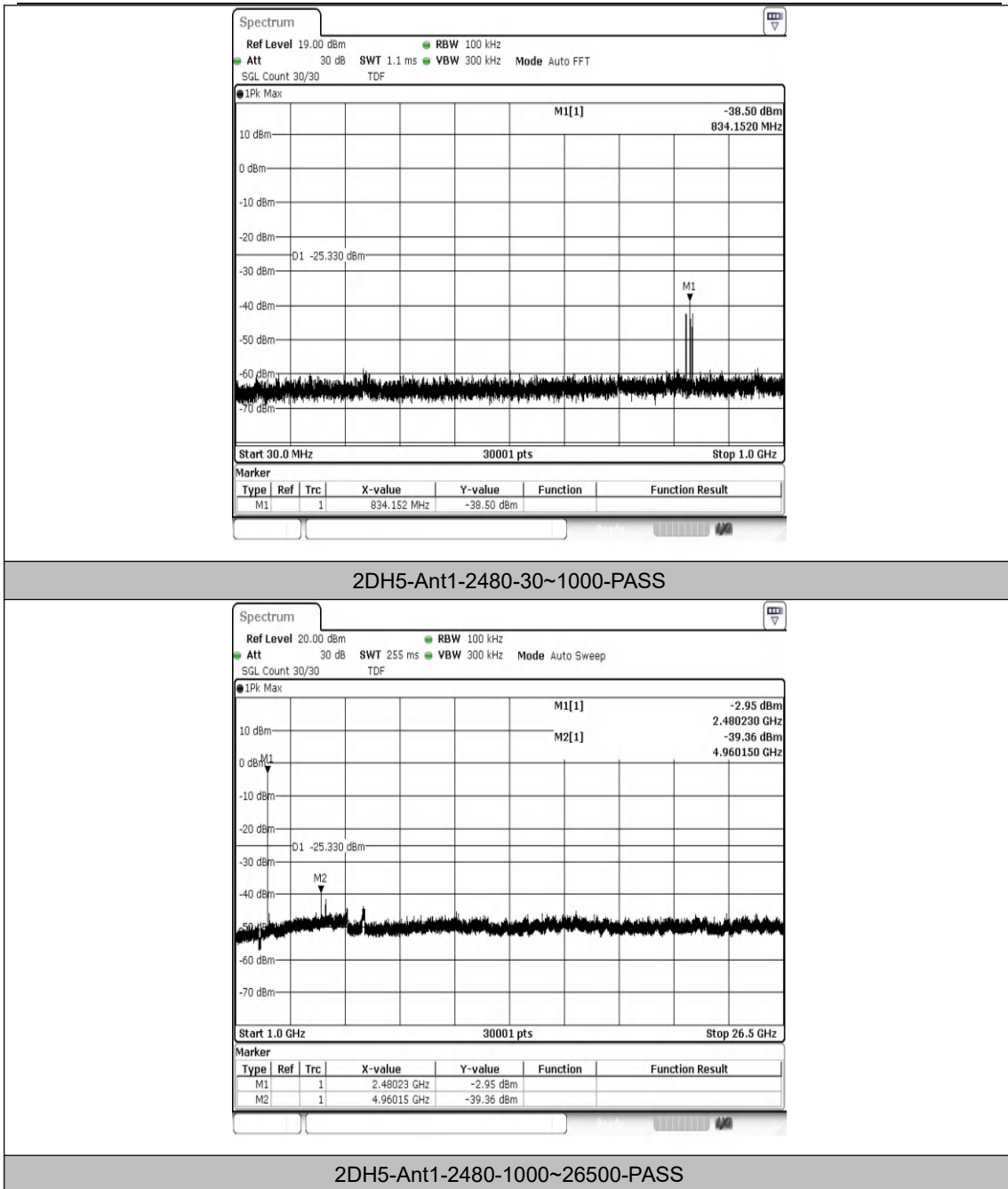
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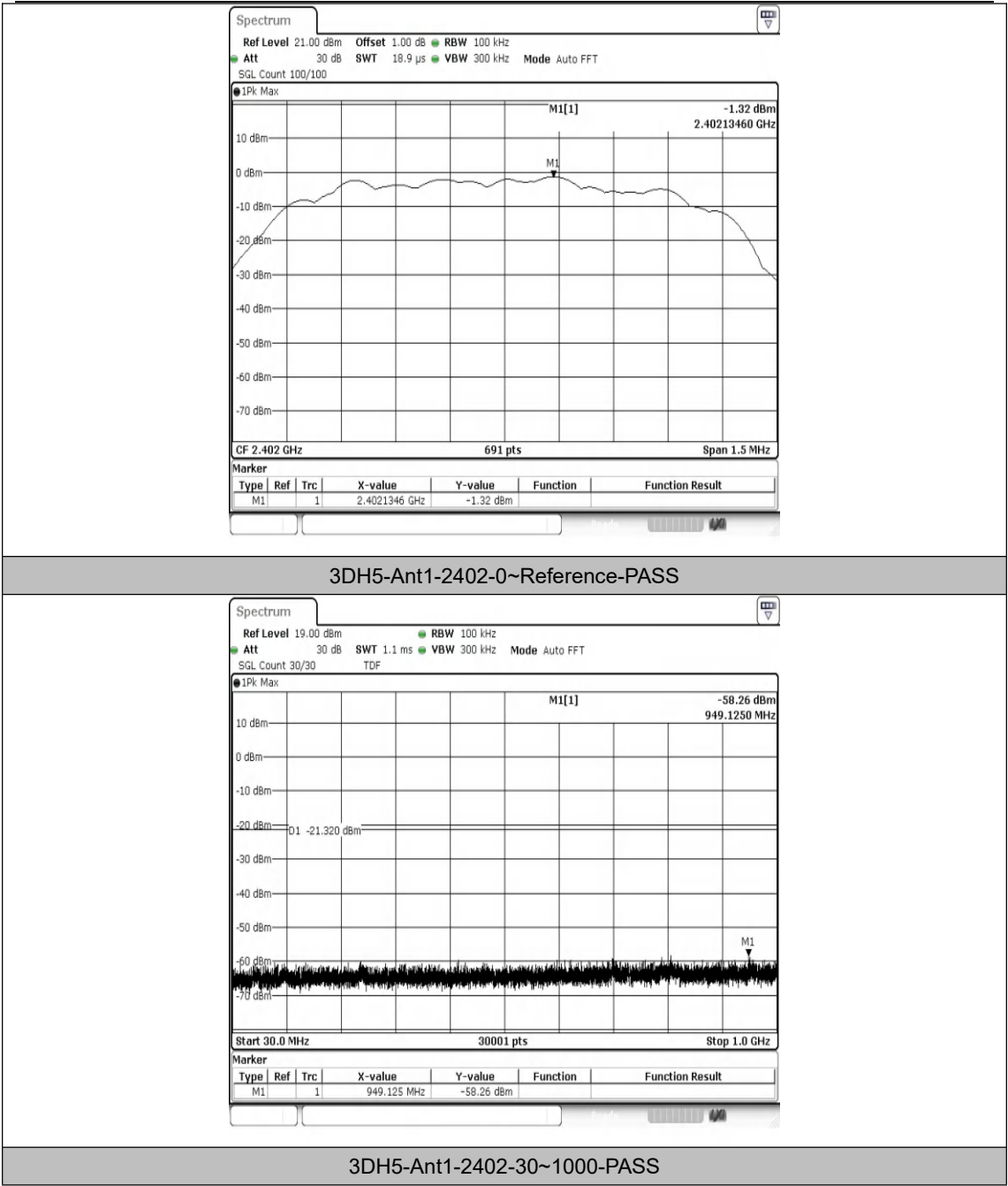
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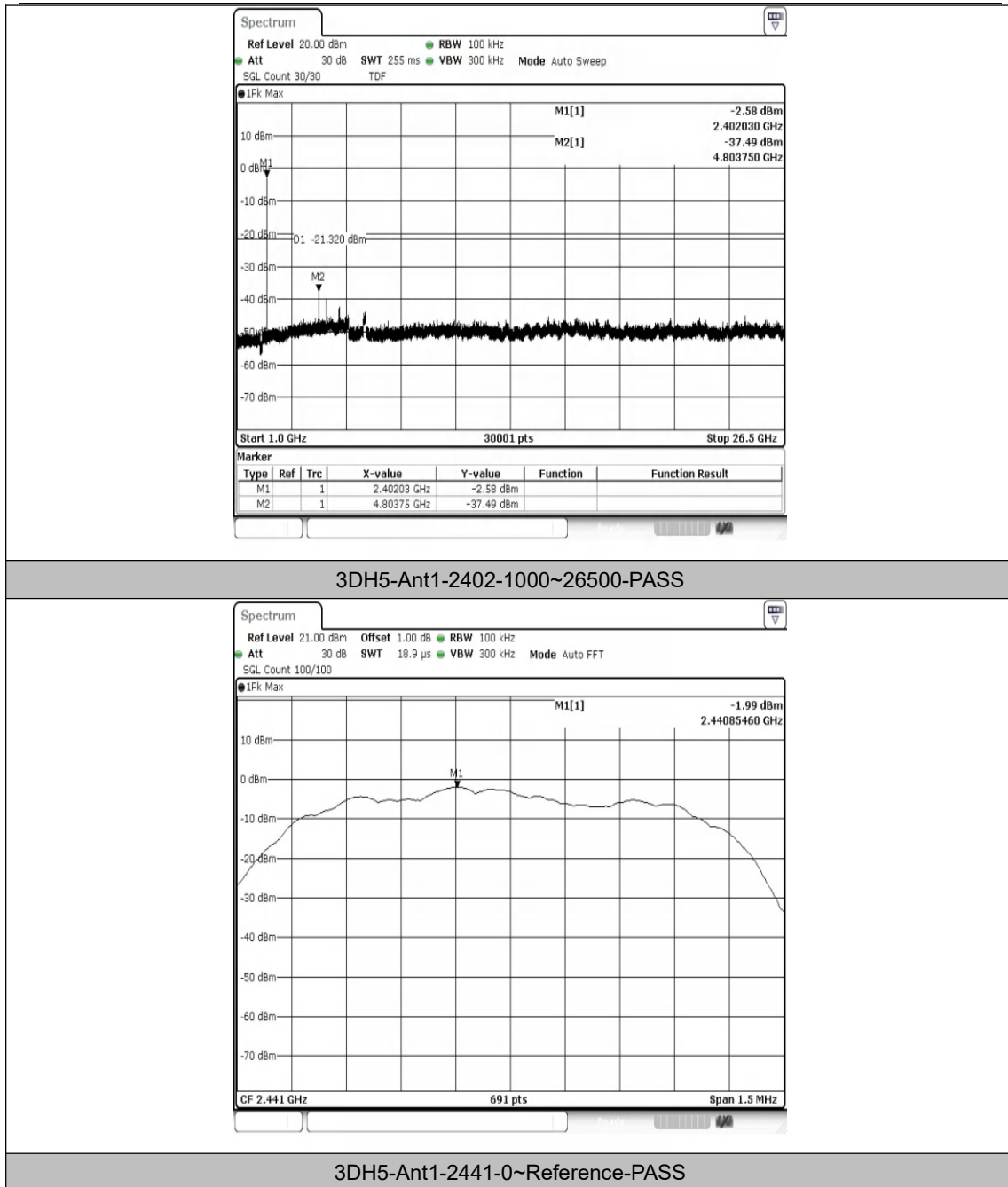


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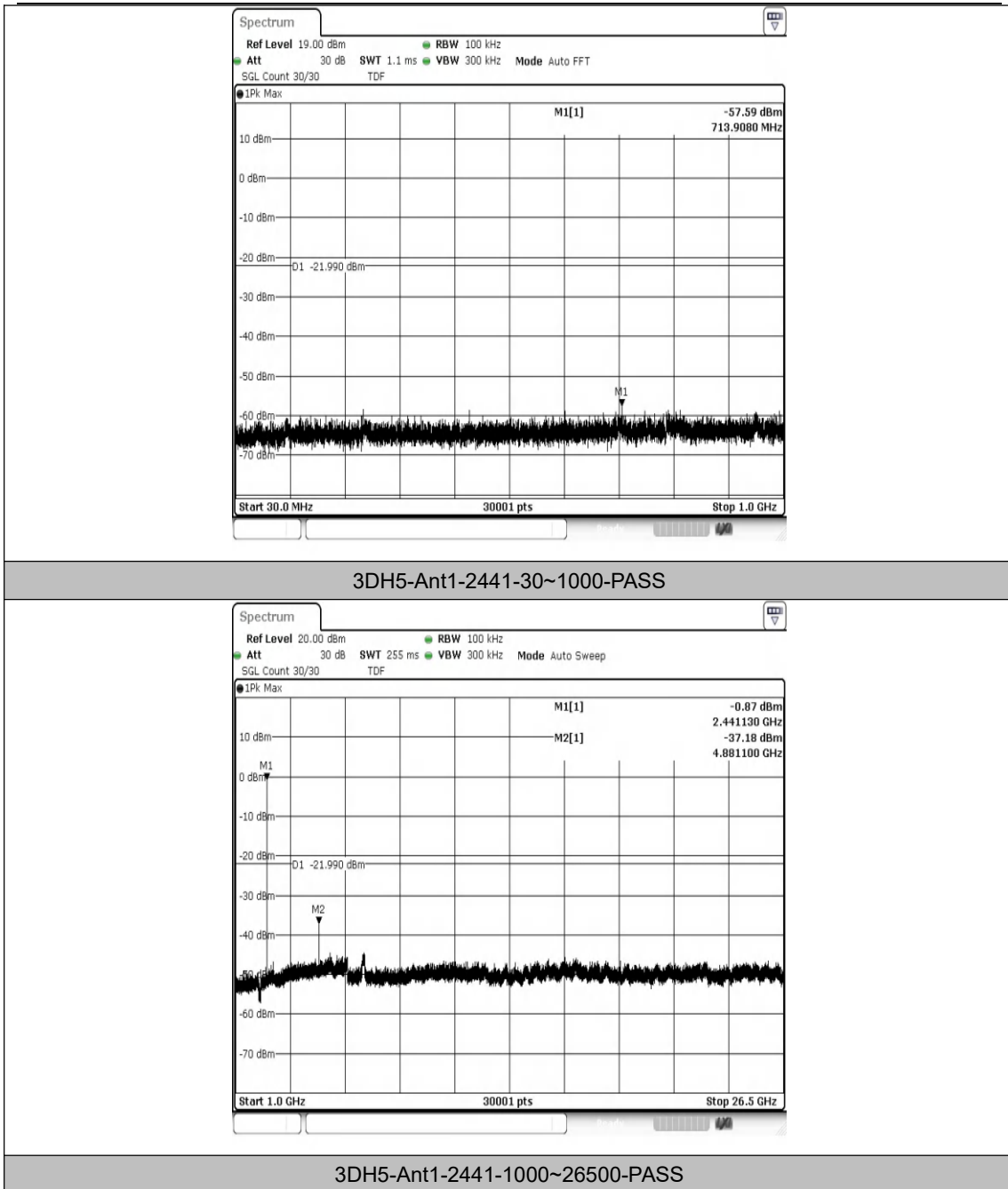




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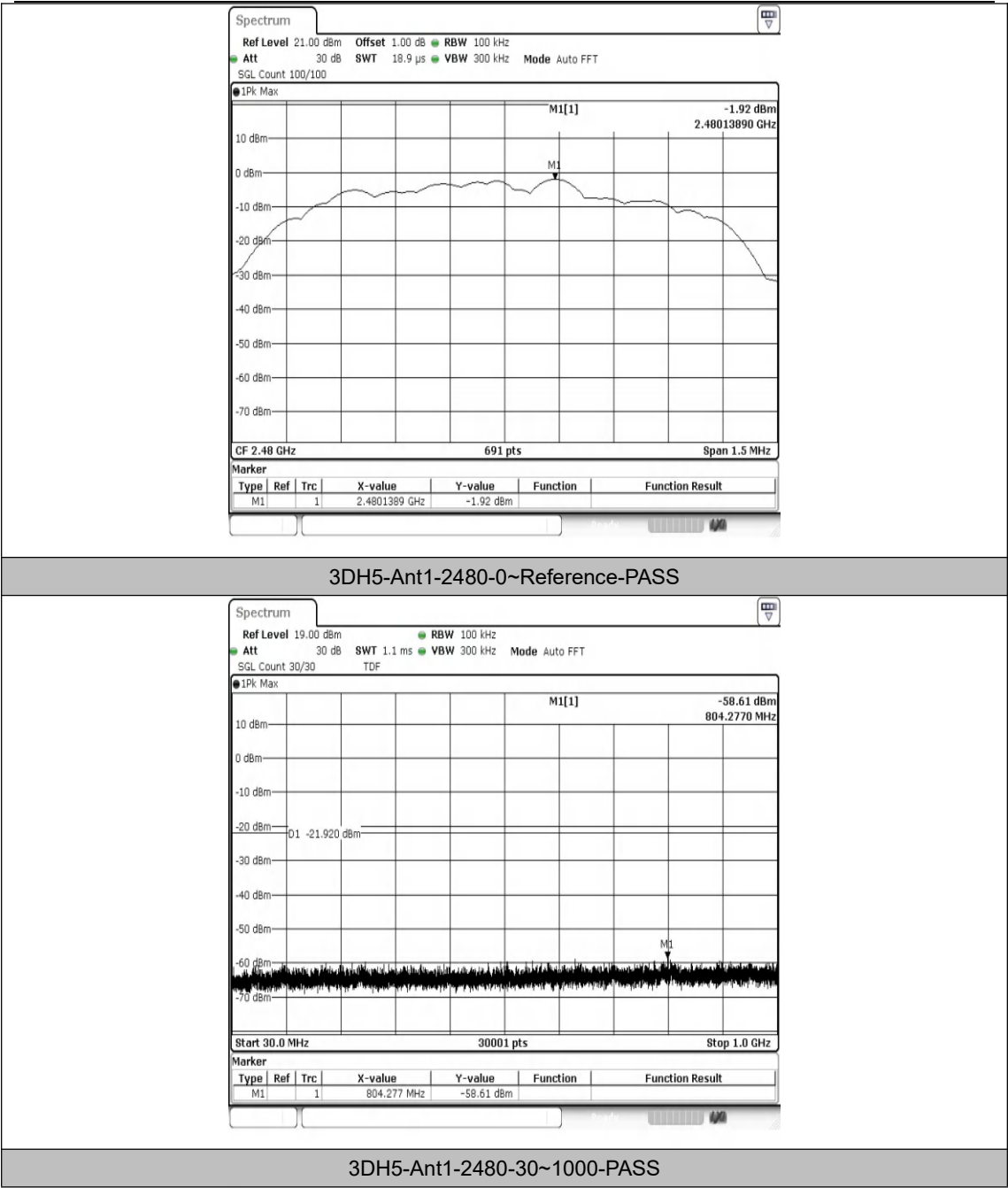
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

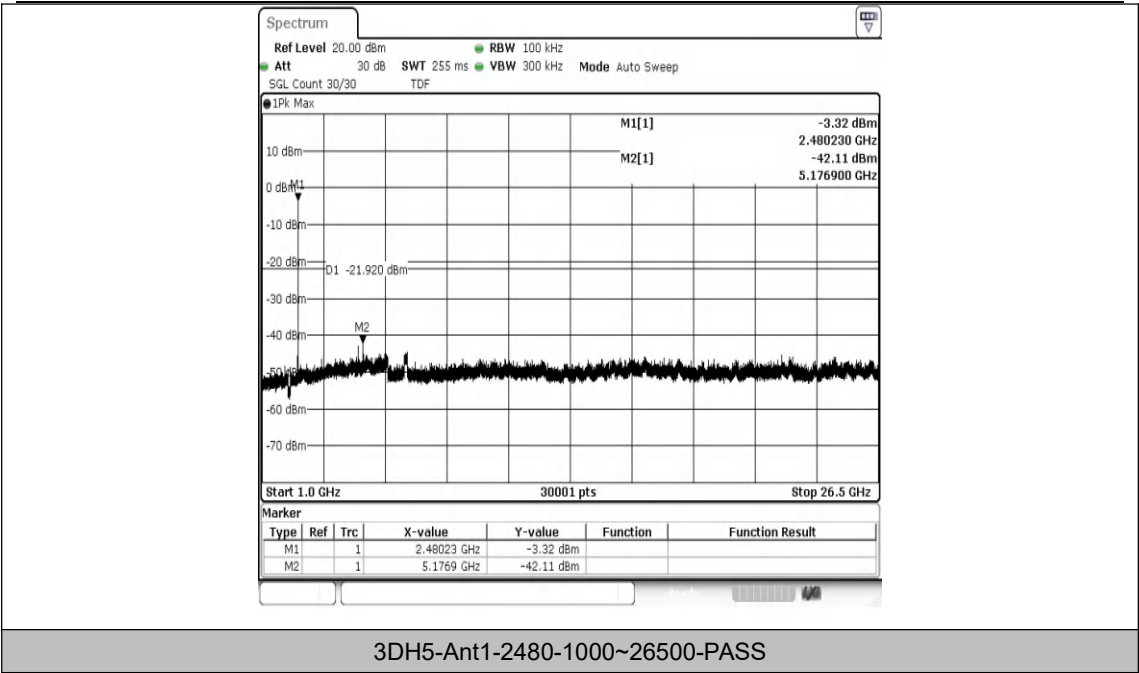


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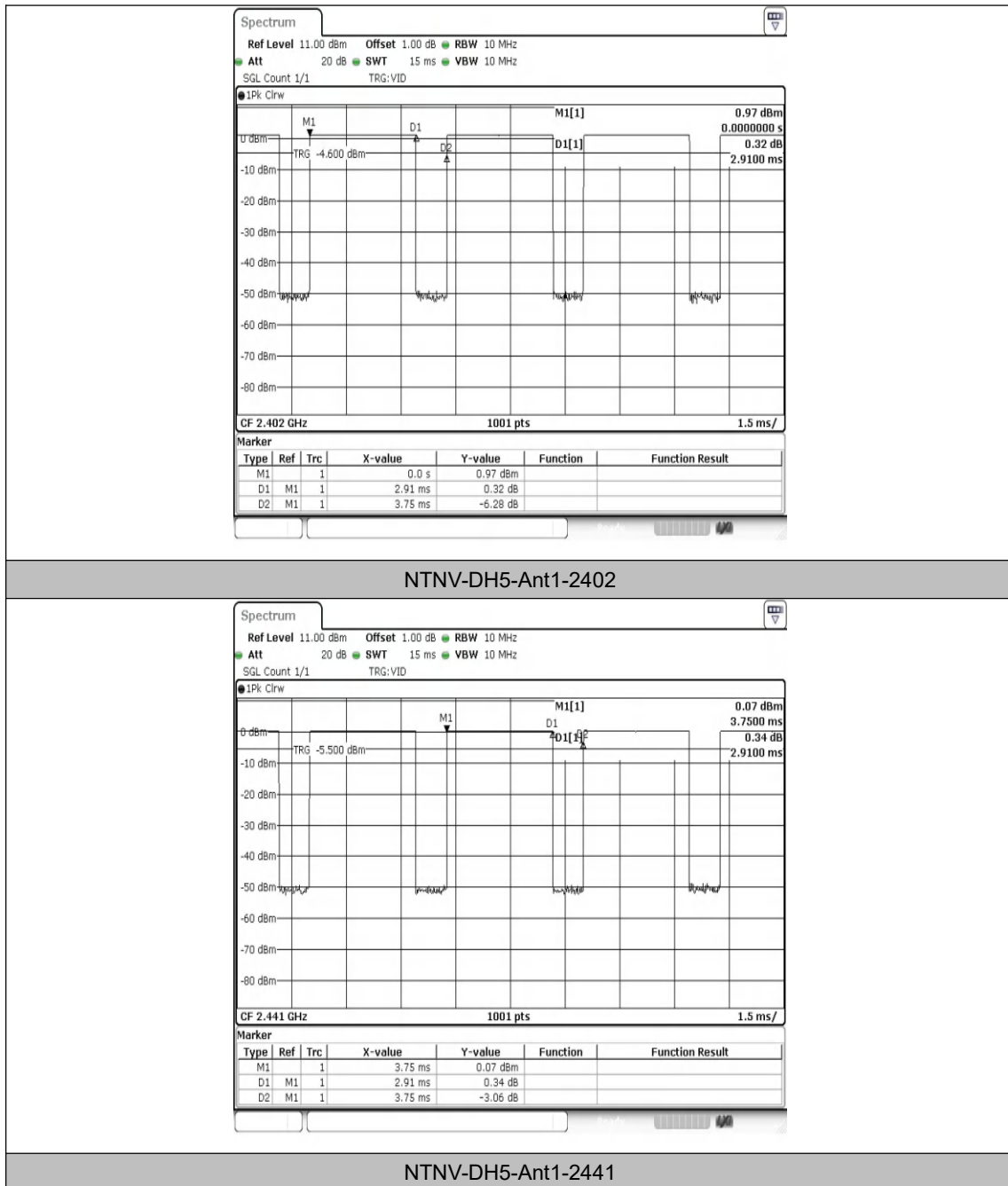
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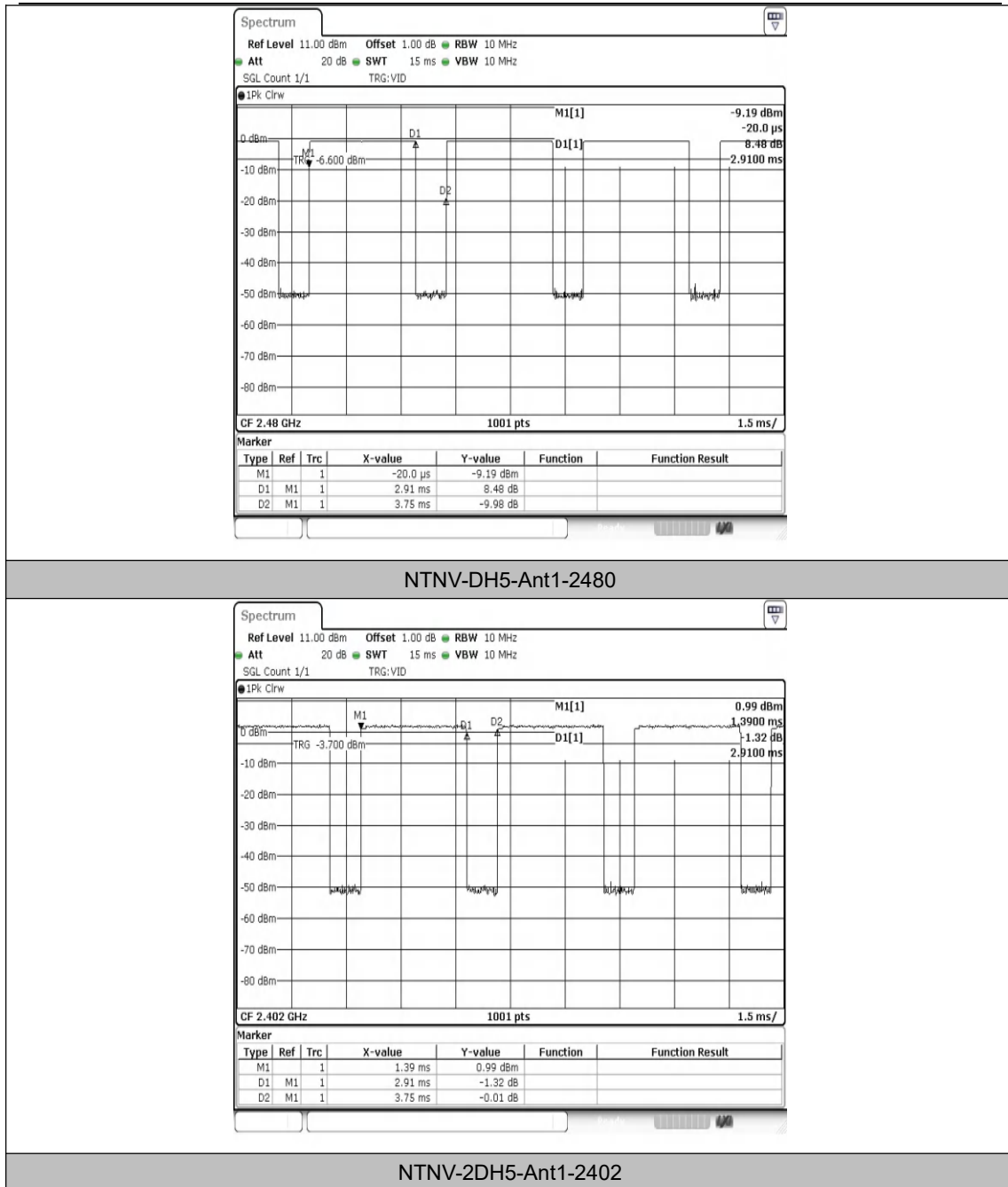
Appendix I: Duty Cycle

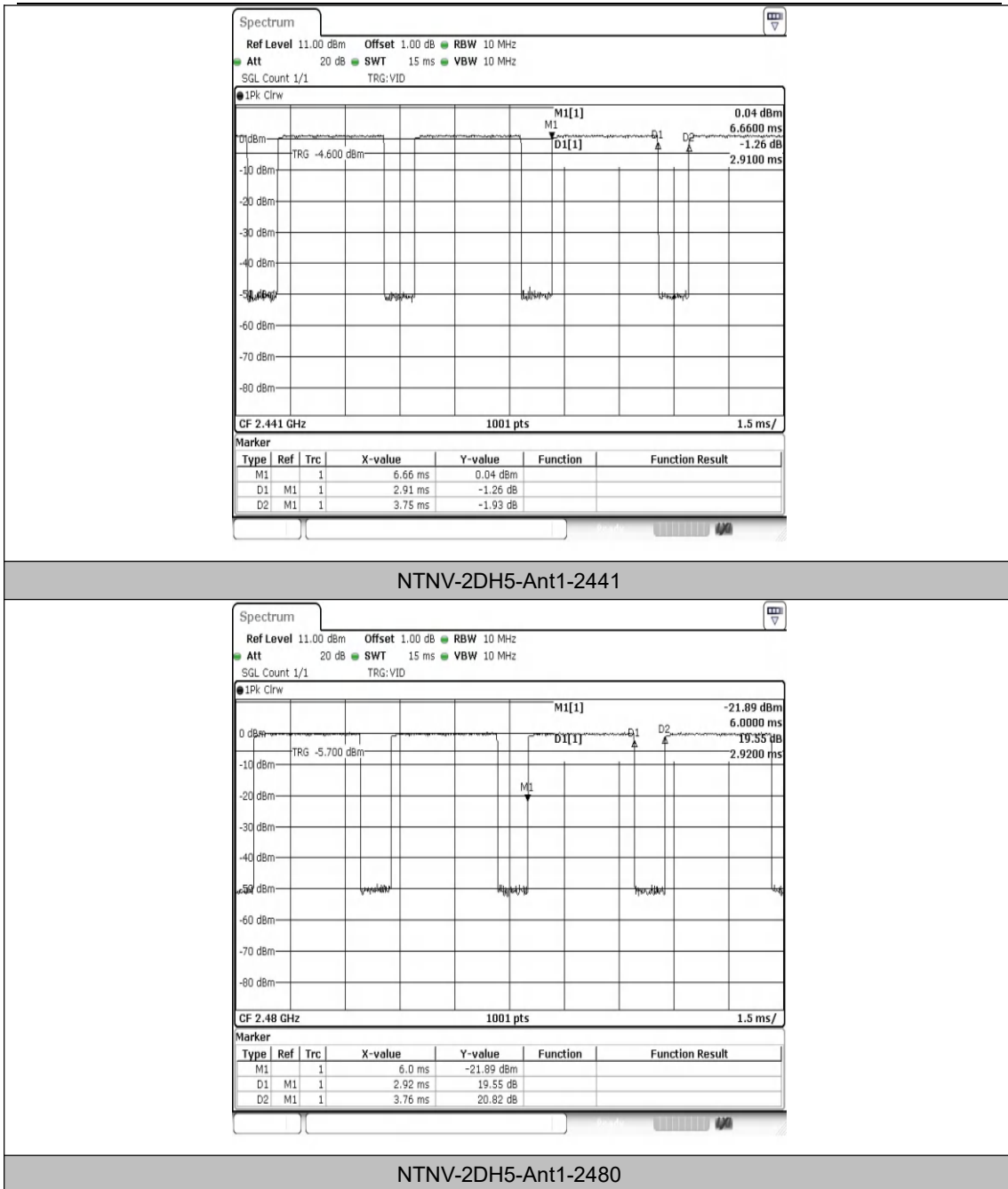
Test Result

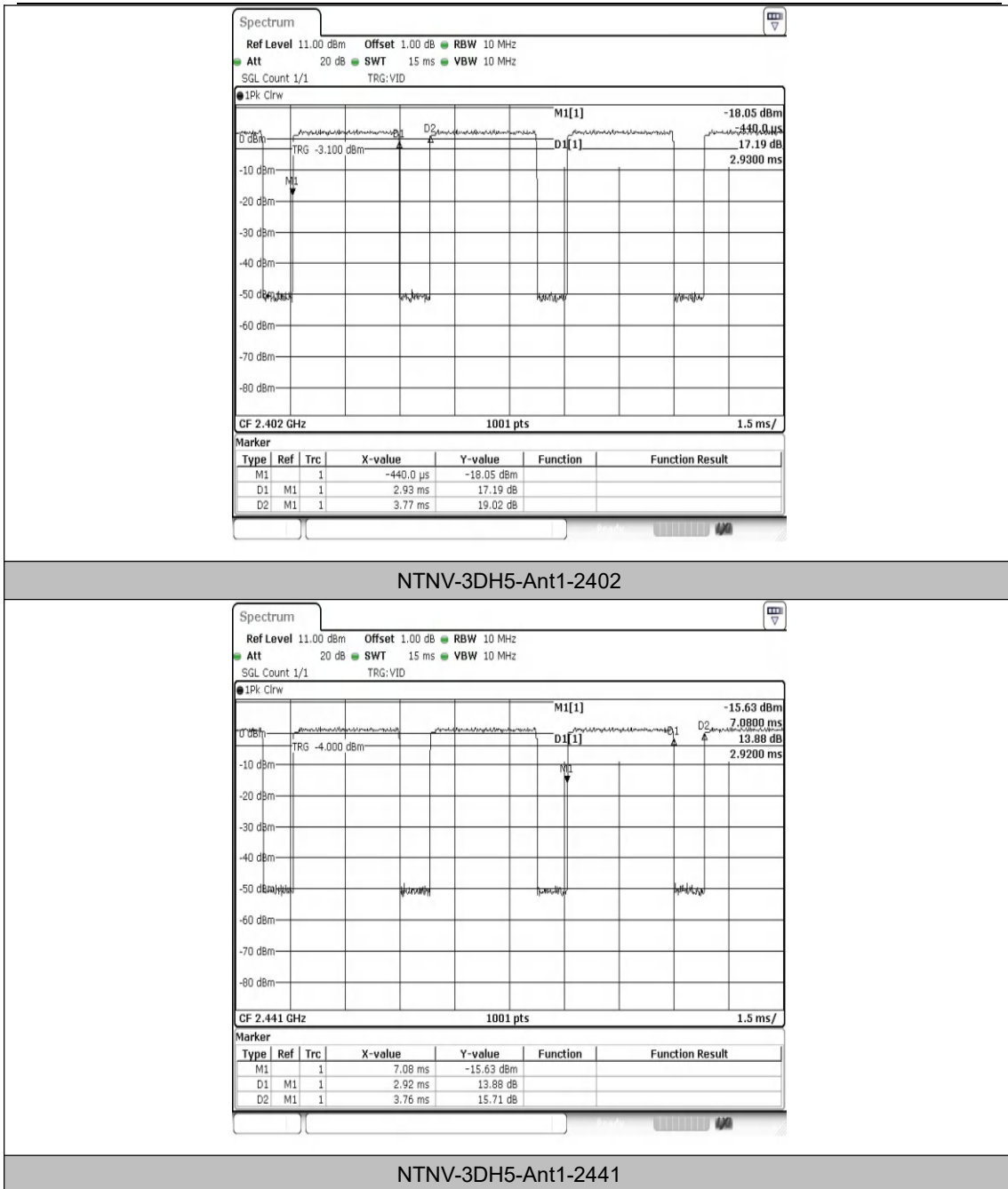
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.92	3.76	77.66	1.10
3DH5	Ant1	2402	2.93	3.77	77.72	1.09
3DH5	Ant1	2441	2.92	3.76	77.66	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

Test Graphs





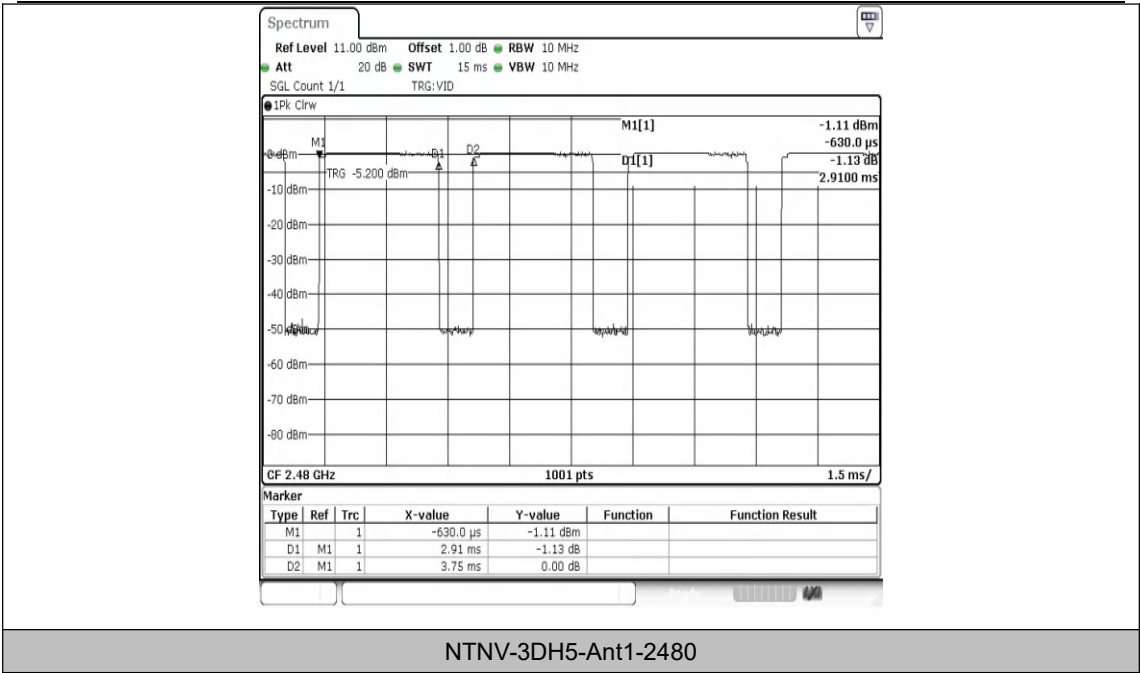




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