

Appendix Test Data

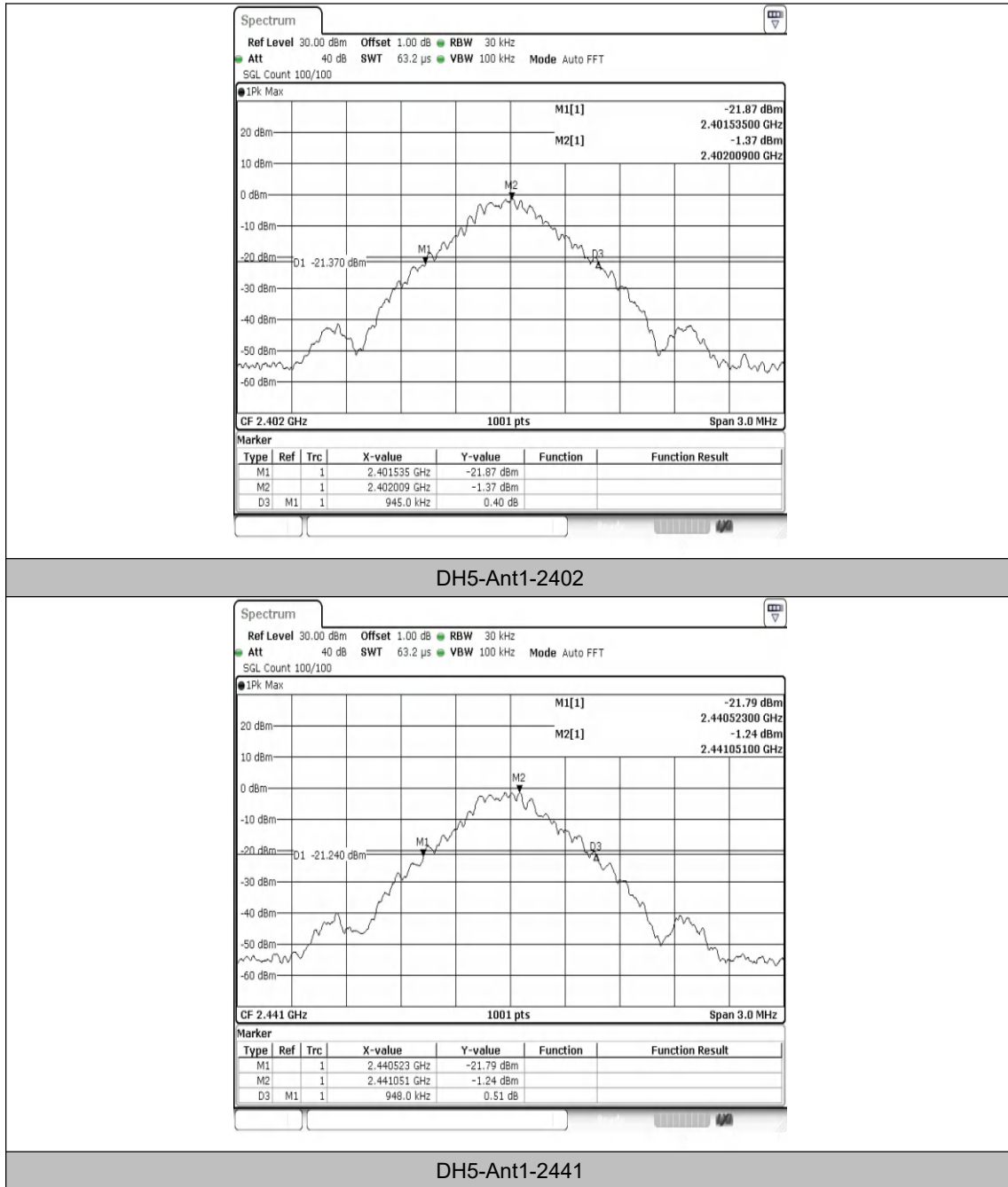
Report No.:	1819C50077412501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-15	Finish Test Date:	2025-7-17
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.5°C	Relative Humidity:	59%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.54	2402.48	---	---
DH5	Ant1	2441	0.95	2440.52	2441.47	---	---
DH5	Ant1	2480	0.94	2479.53	2480.47	---	---
2DH5	Ant1	2402	1.25	2401.37	2402.62	---	---
2DH5	Ant1	2441	1.33	2440.33	2441.66	---	---
2DH5	Ant1	2480	1.34	2479.32	2480.66	---	---
3DH5	Ant1	2402	1.28	2401.35	2402.63	---	---
3DH5	Ant1	2441	1.29	2440.35	2441.64	---	---
3DH5	Ant1	2480	1.28	2479.35	2480.63	---	---

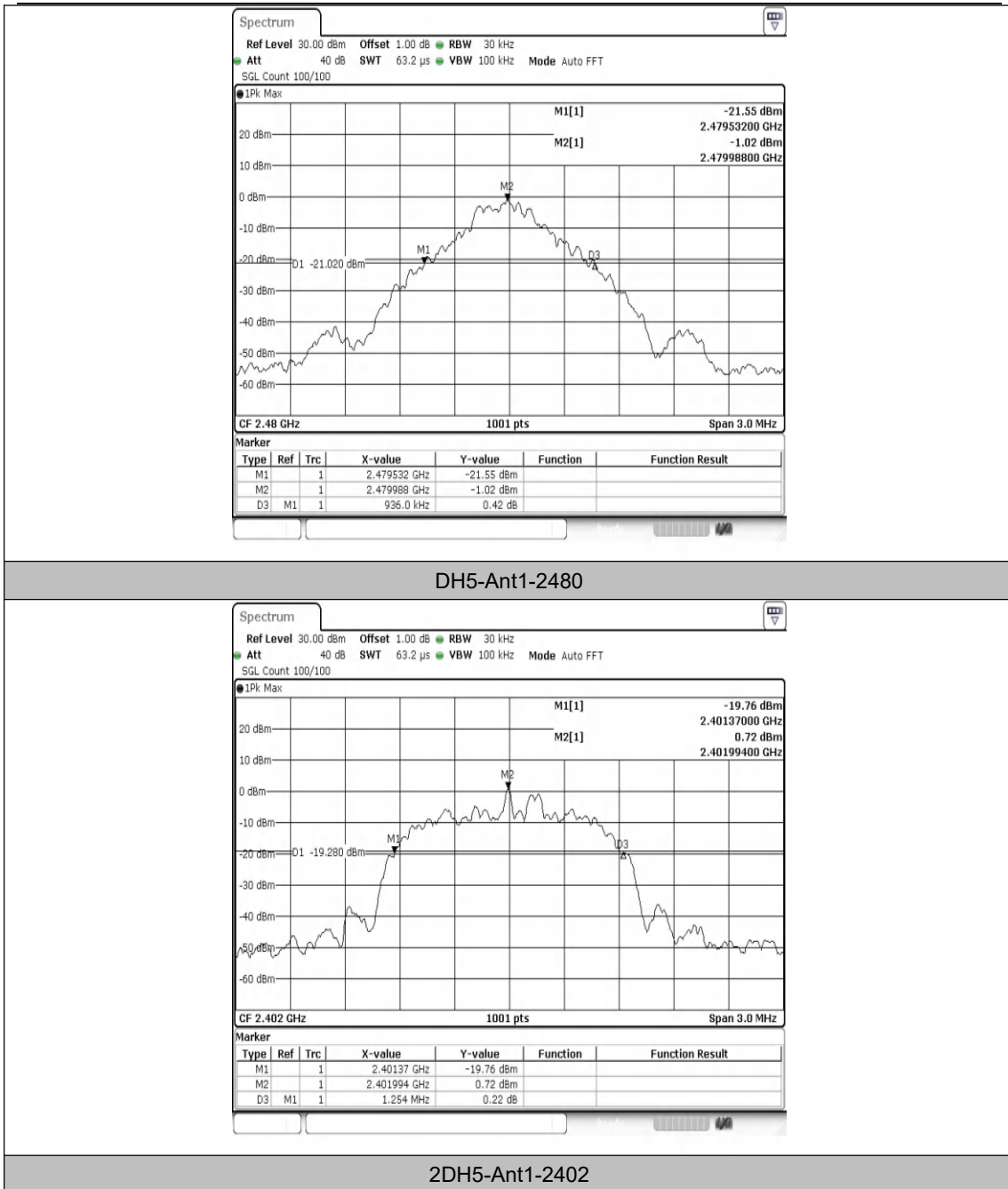
Test Graphs



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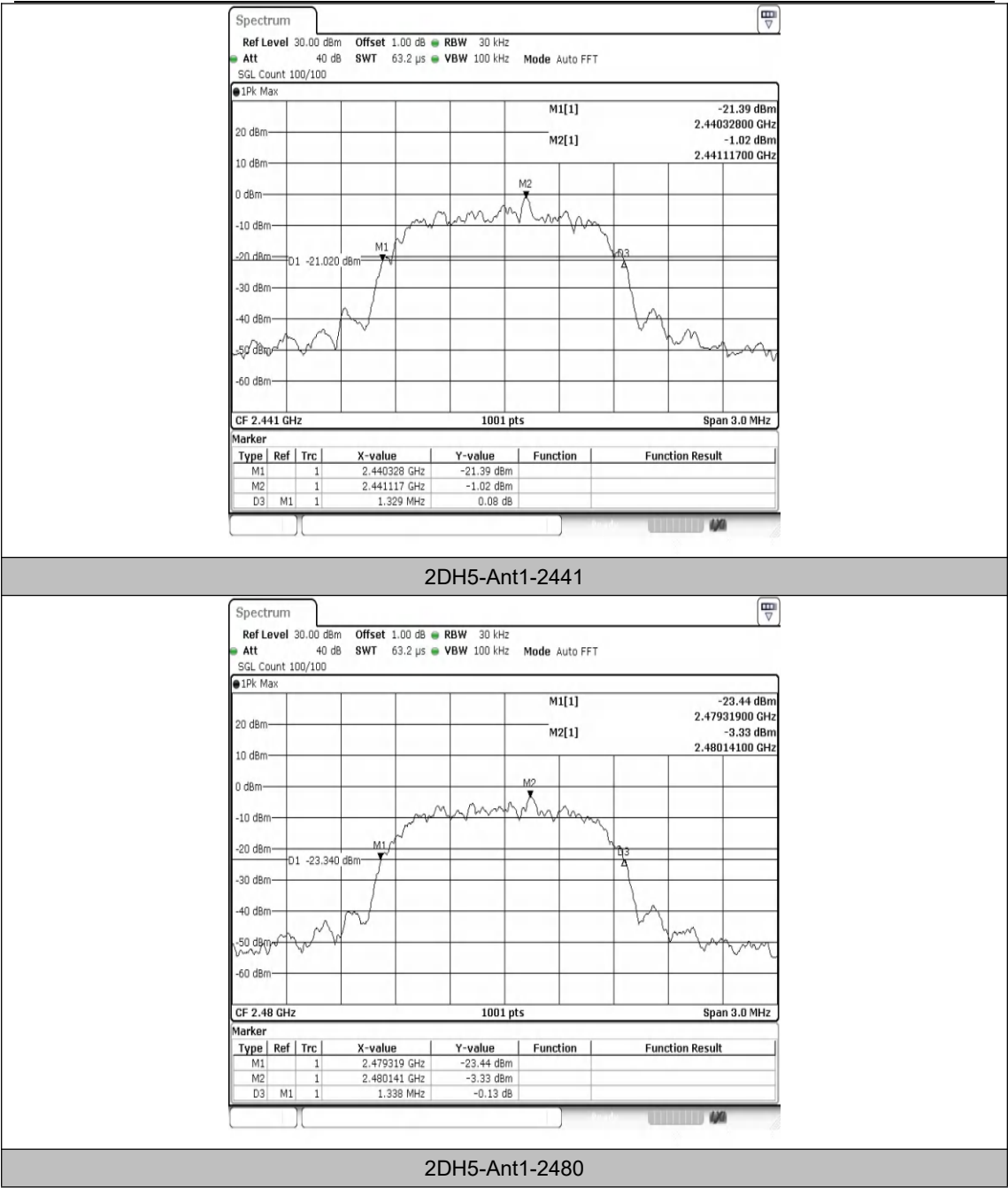
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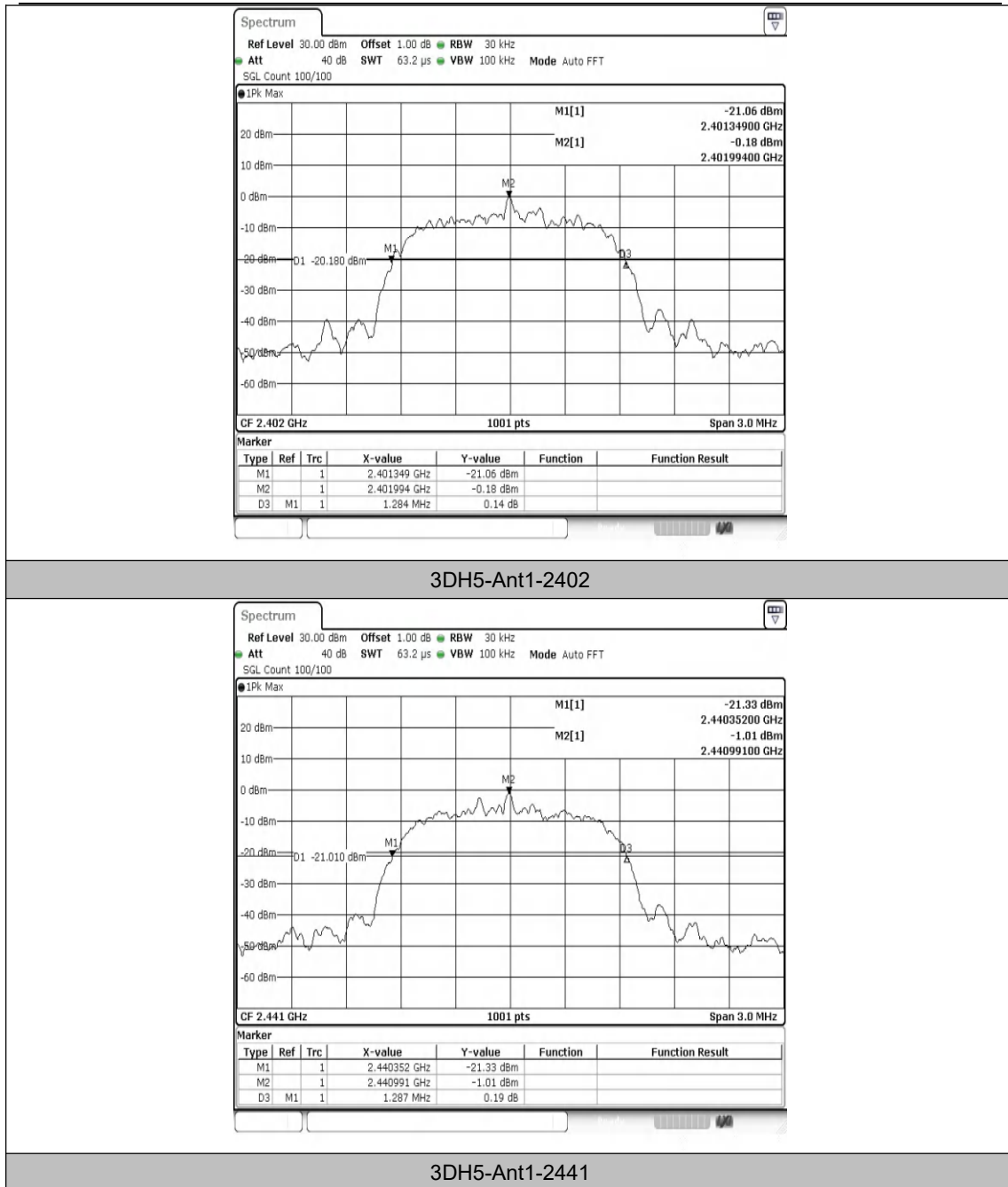


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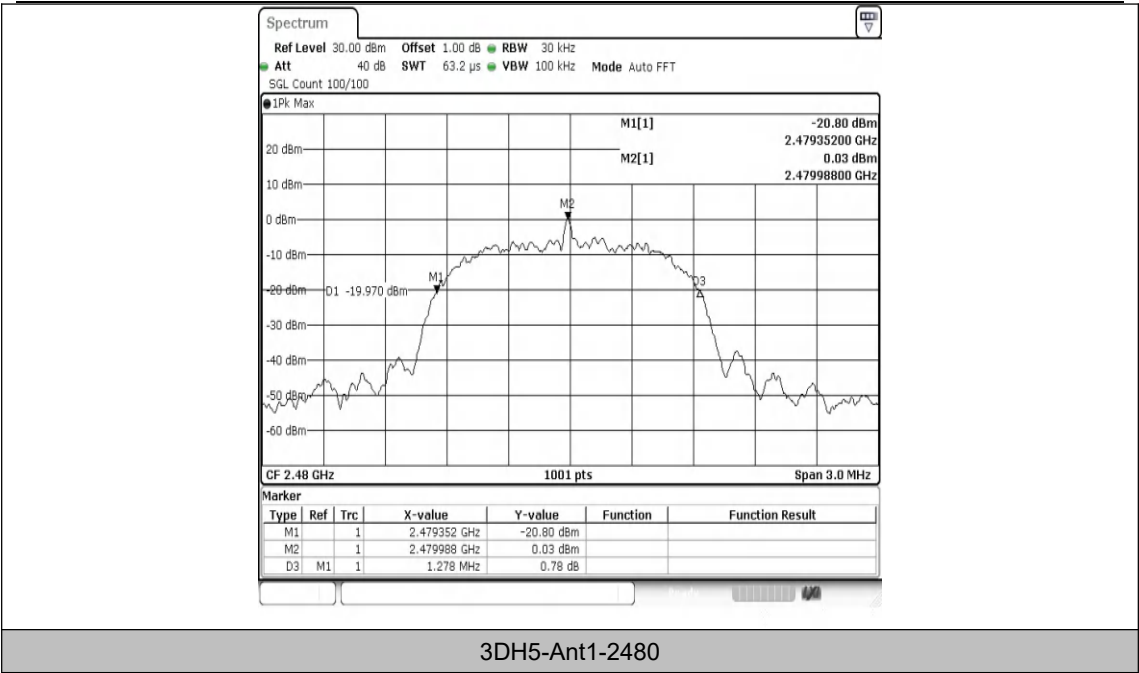




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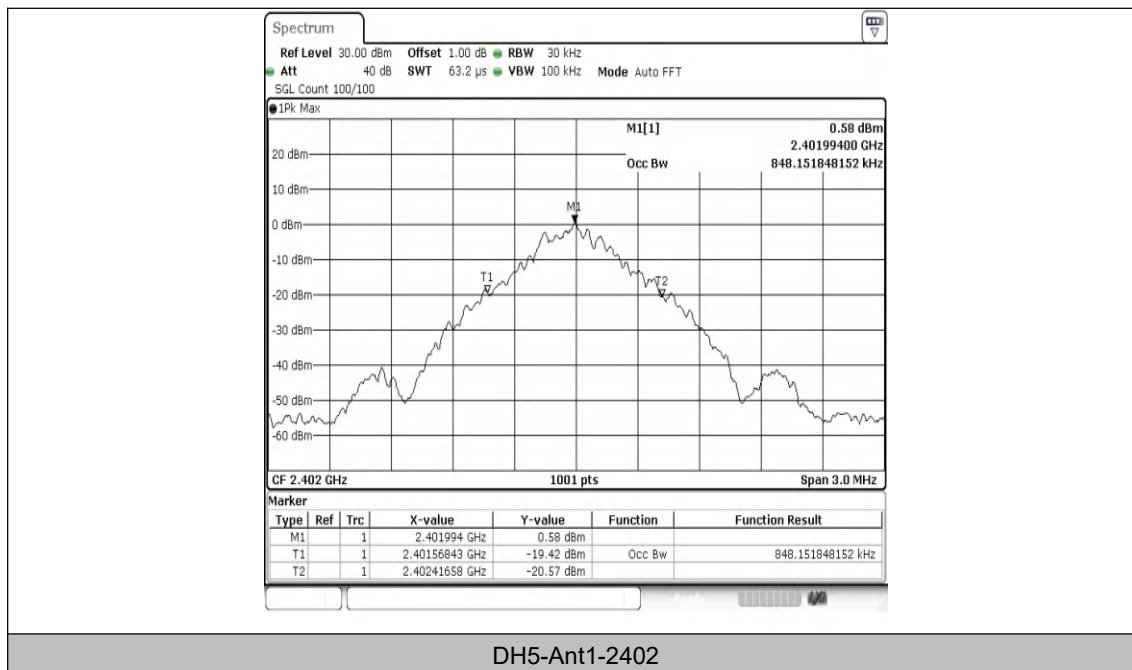
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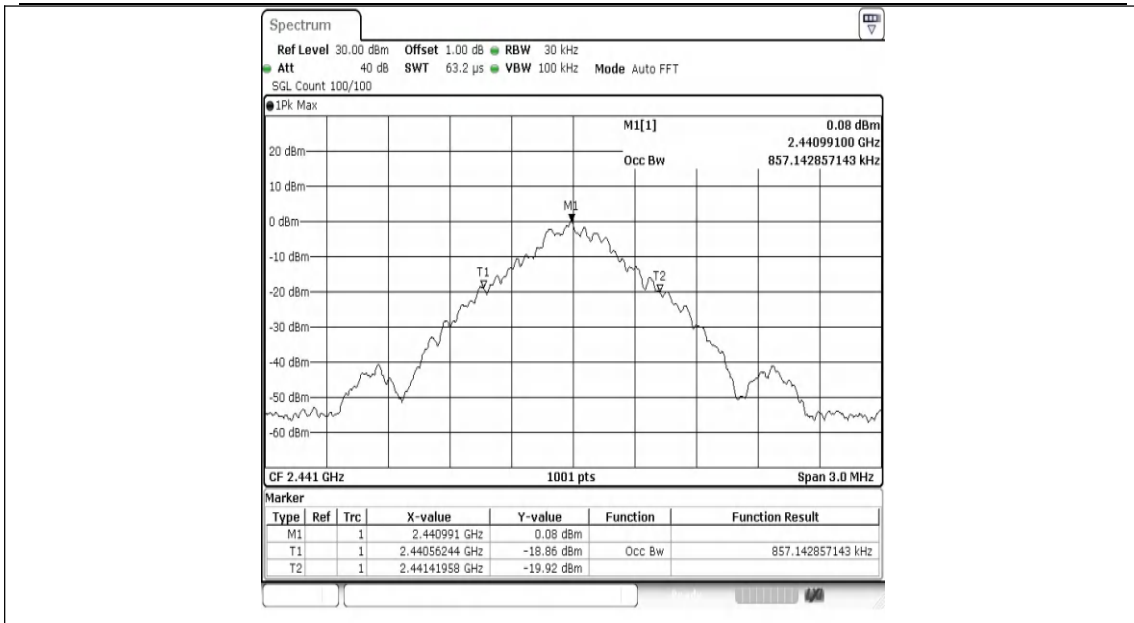
Appendix B: 99% Occupied Bandwidth

Test Result

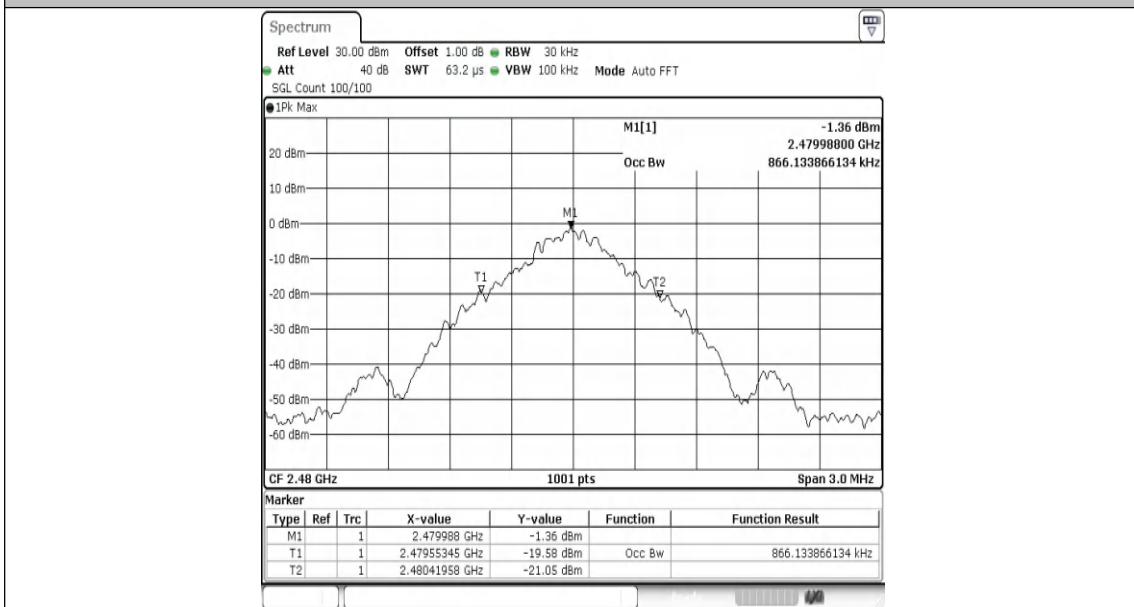
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84815	2401.5684	2402.4166	---	---
DH5	Ant1	2441	0.85714	2440.5624	2441.4196	---	---
DH5	Ant1	2480	0.86613	2479.5534	2480.4196	---	---
2DH5	Ant1	2402	1.1988	2401.3976	2402.5964	---	---
2DH5	Ant1	2441	1.1778	2440.4006	2441.5784	---	---
2DH5	Ant1	2480	1.1868	2479.3946	2480.5814	---	---
3DH5	Ant1	2402	1.1838	2401.4006	2402.5844	---	---
3DH5	Ant1	2441	1.1898	2440.3946	2441.5844	---	---
3DH5	Ant1	2480	1.1928	2479.3886	2480.5814	---	---

Test Graphs

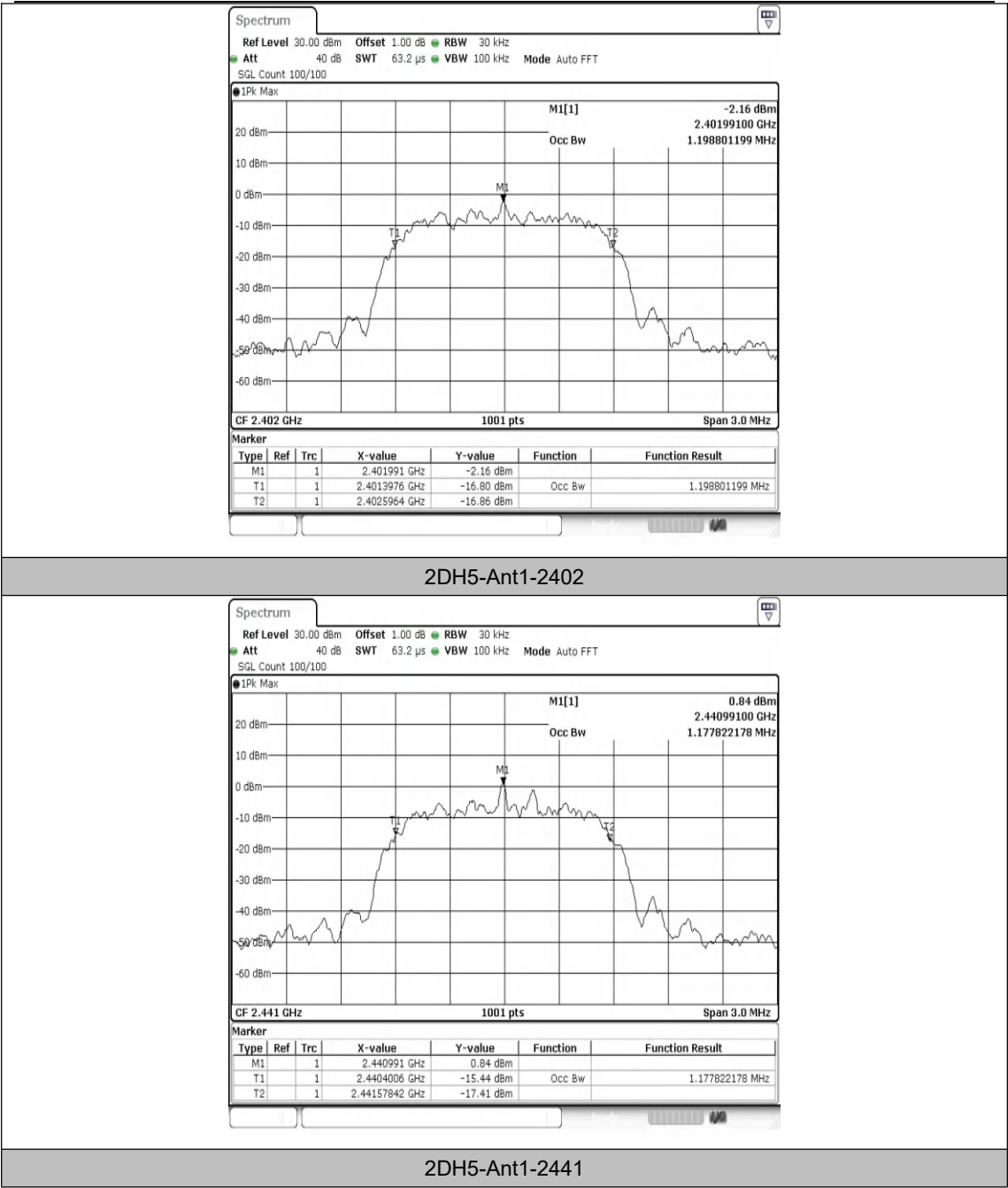


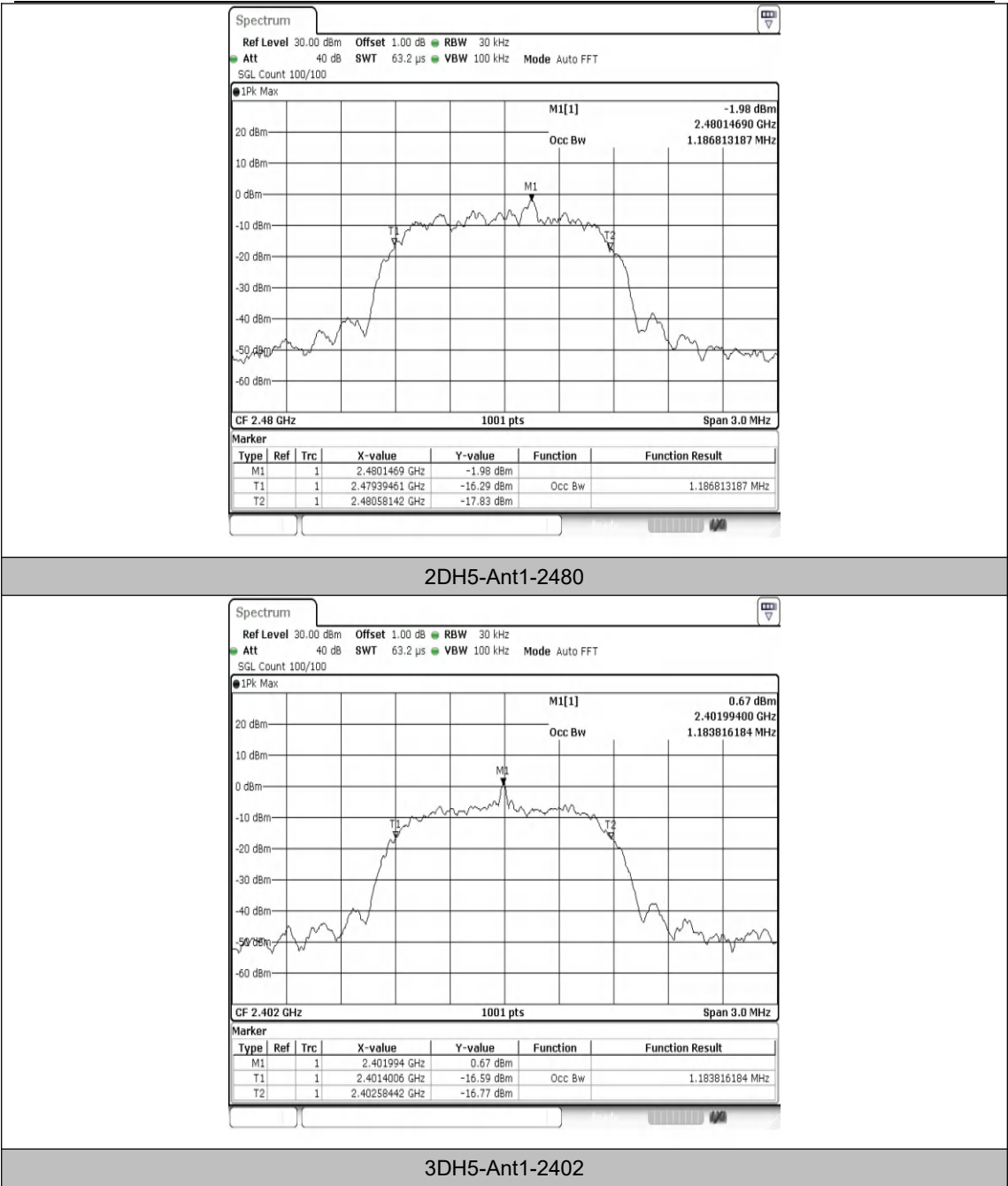


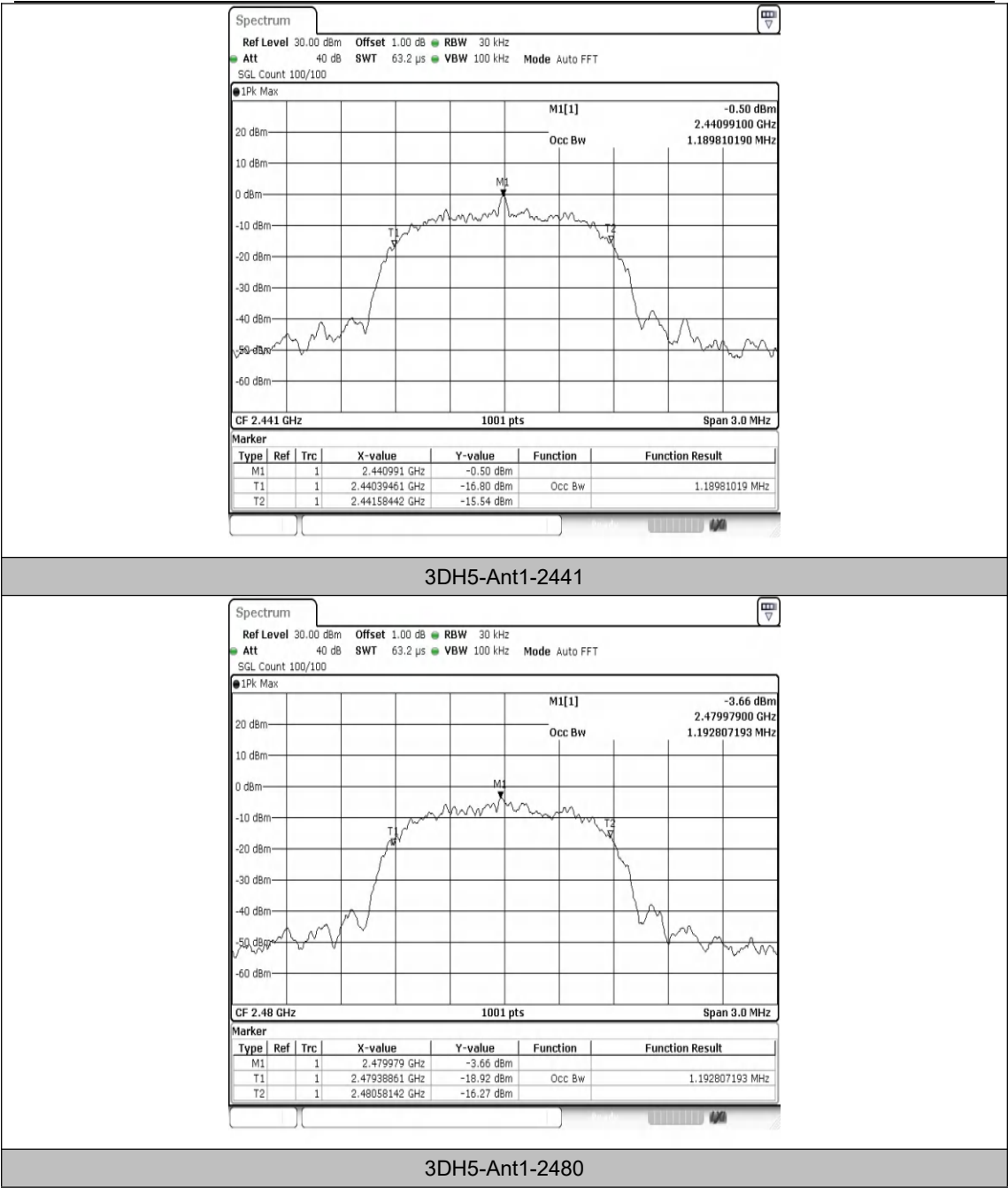
DH5-Ant1-2441



DH5-Ant1-2480





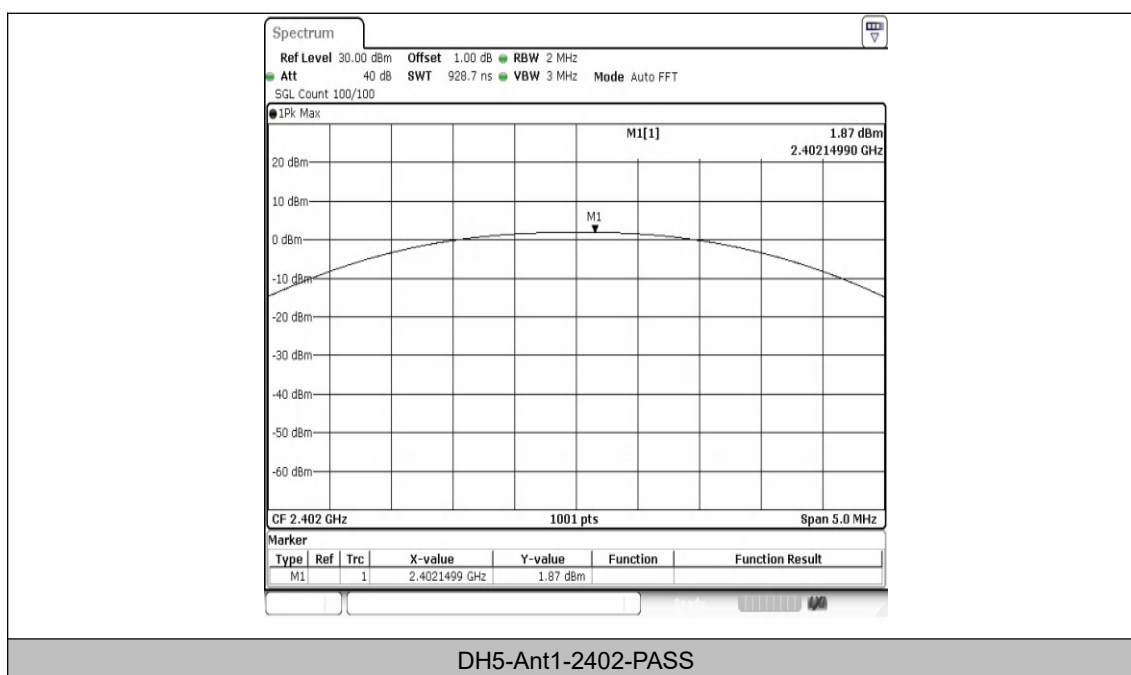


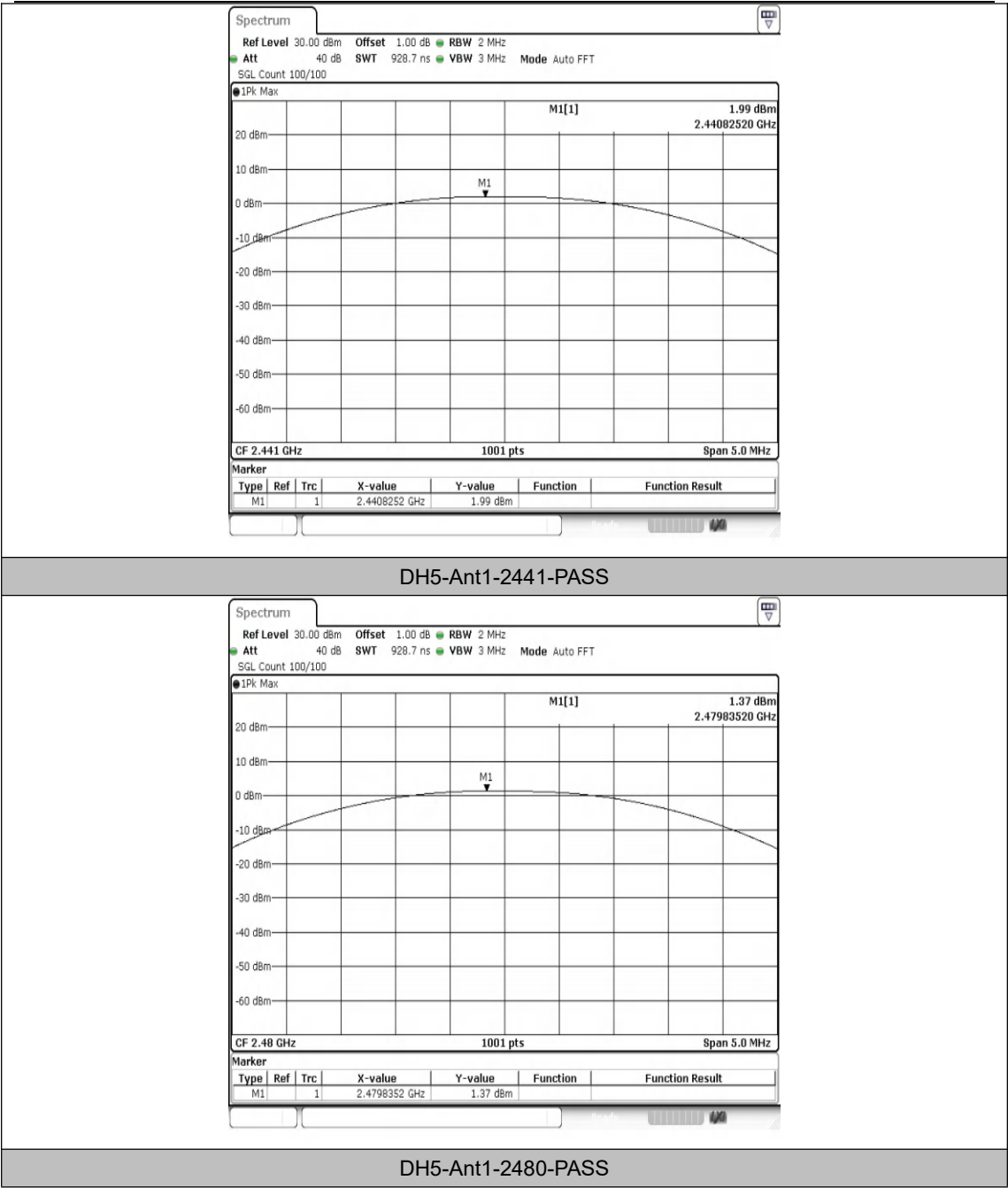
Appendix C: Maximum Conducted Output Power

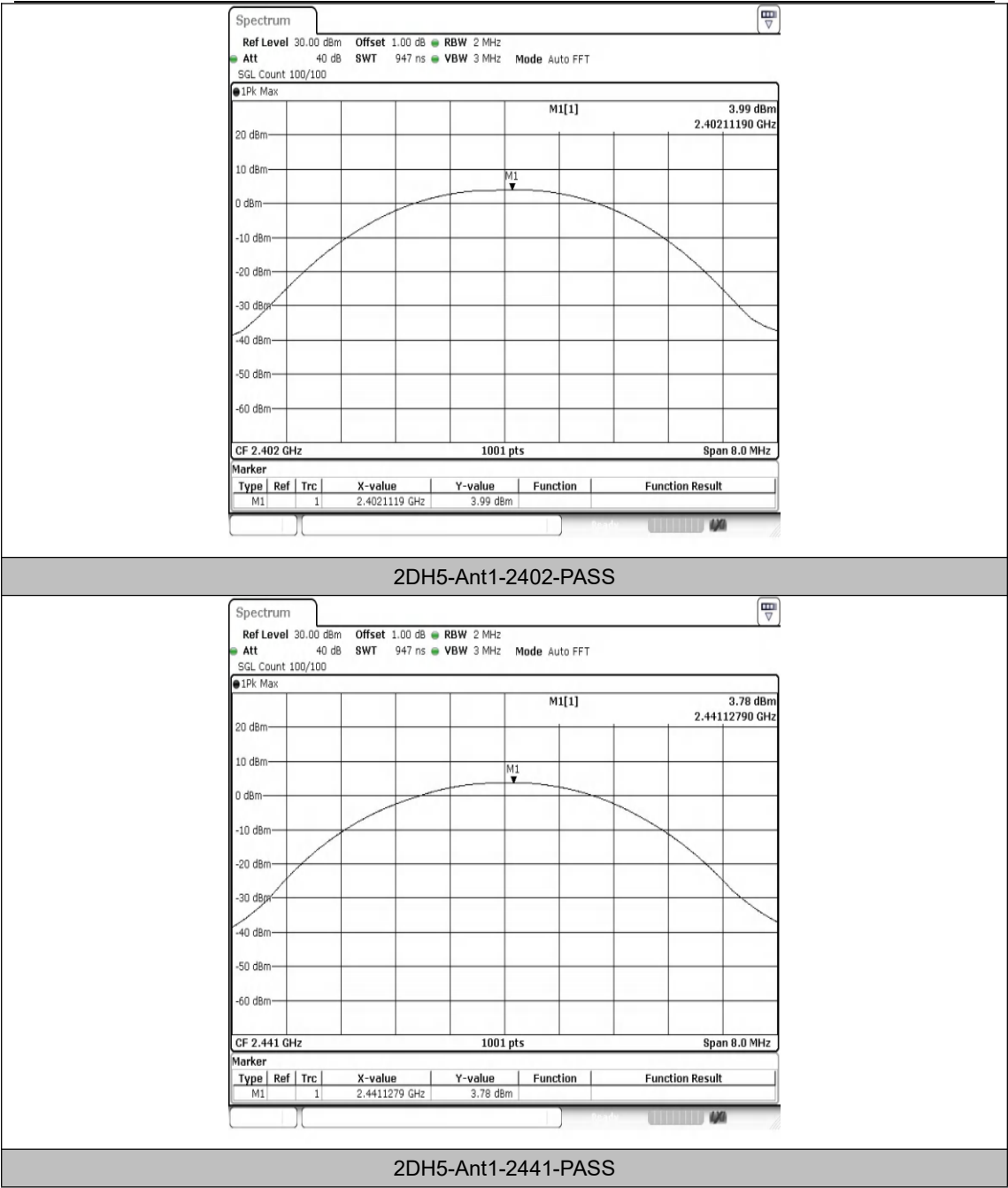
Test Result Peak

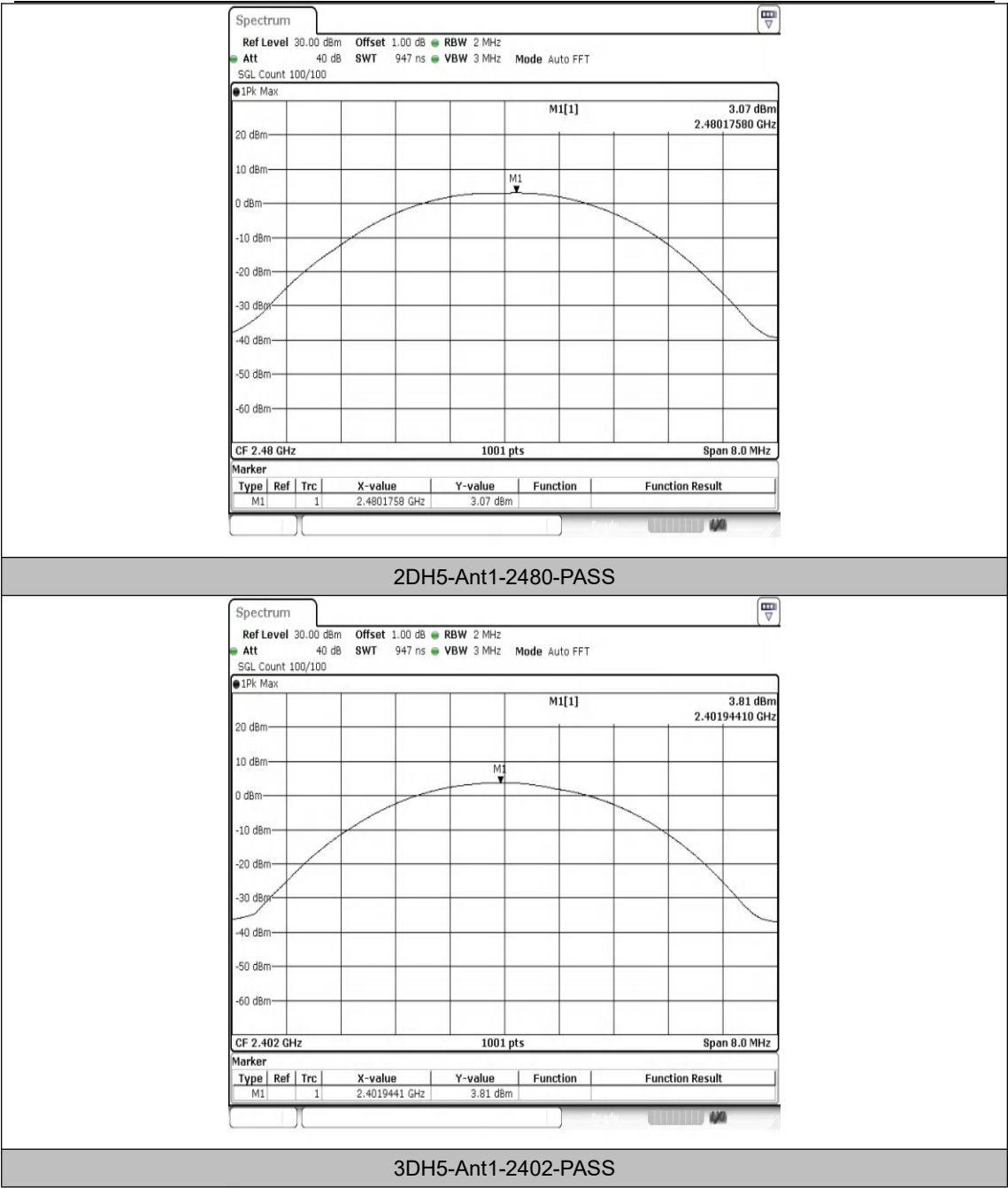
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.87	≤20.97	PASS
DH5	Ant1	2441	1.99	≤20.97	PASS
DH5	Ant1	2480	1.37	≤20.97	PASS
2DH5	Ant1	2402	3.99	≤20.97	PASS
2DH5	Ant1	2441	3.78	≤20.97	PASS
2DH5	Ant1	2480	3.07	≤20.97	PASS
3DH5	Ant1	2402	3.81	≤20.97	PASS
3DH5	Ant1	2441	4.03	≤20.97	PASS
3DH5	Ant1	2480	3.47	≤20.97	PASS

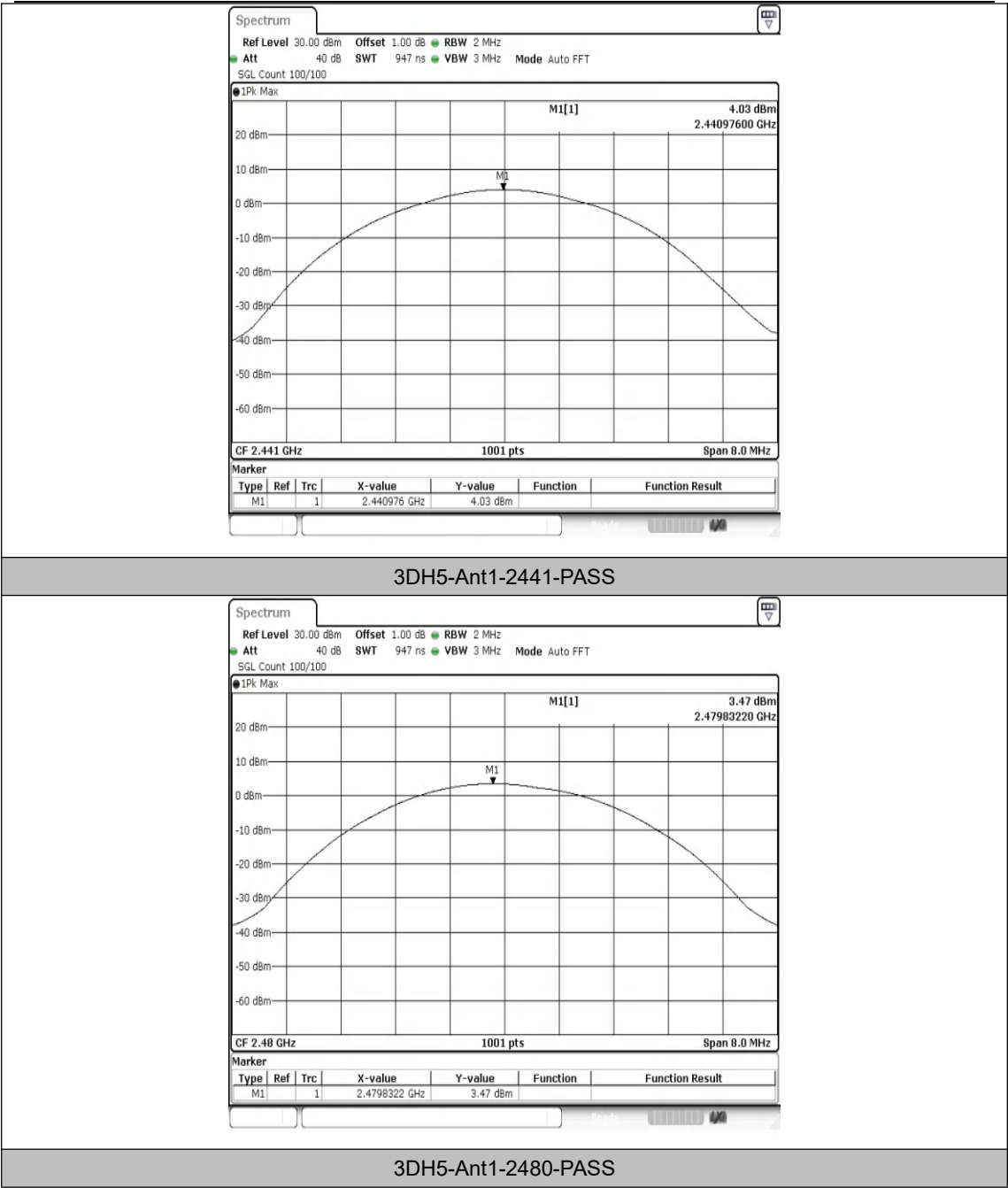
Test Graphs









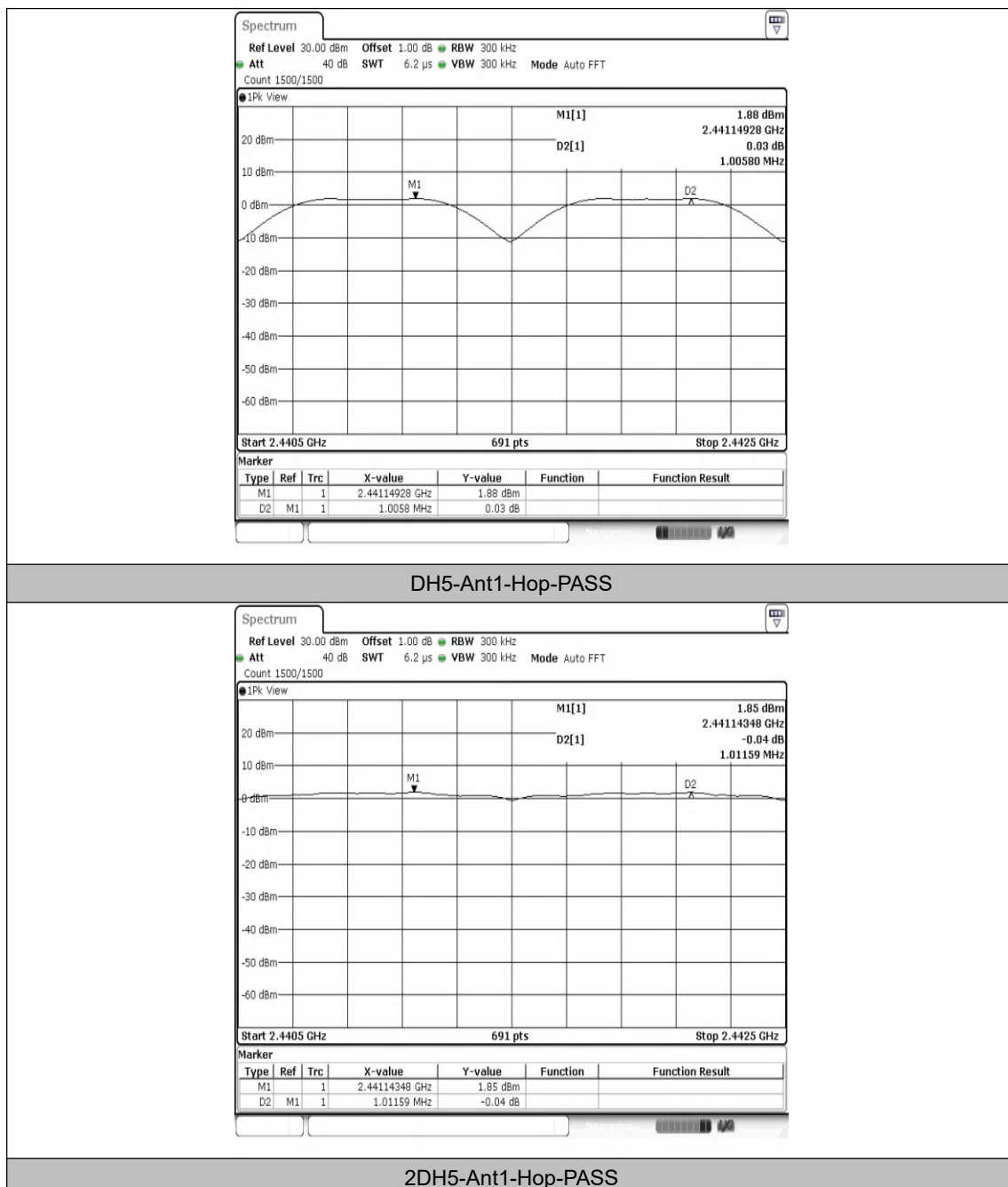


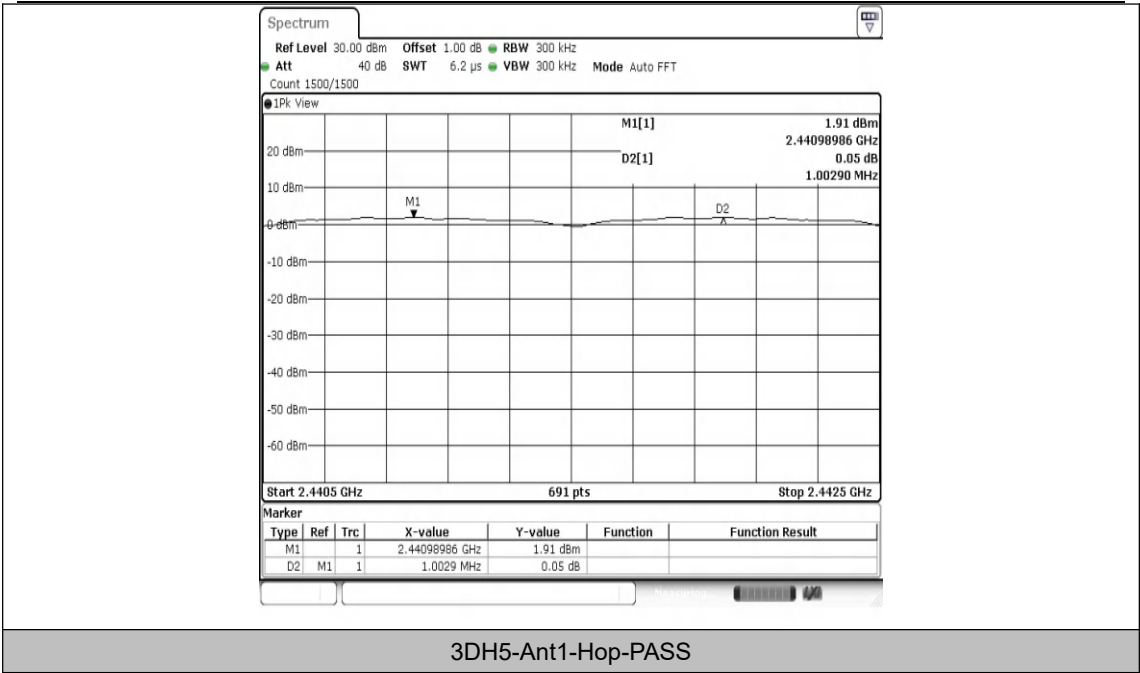
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.633	PASS
2DH5	Ant1	Hop	1.012	≥0.893	PASS
3DH5	Ant1	Hop	1.003	≥0.860	PASS

Test Graphs



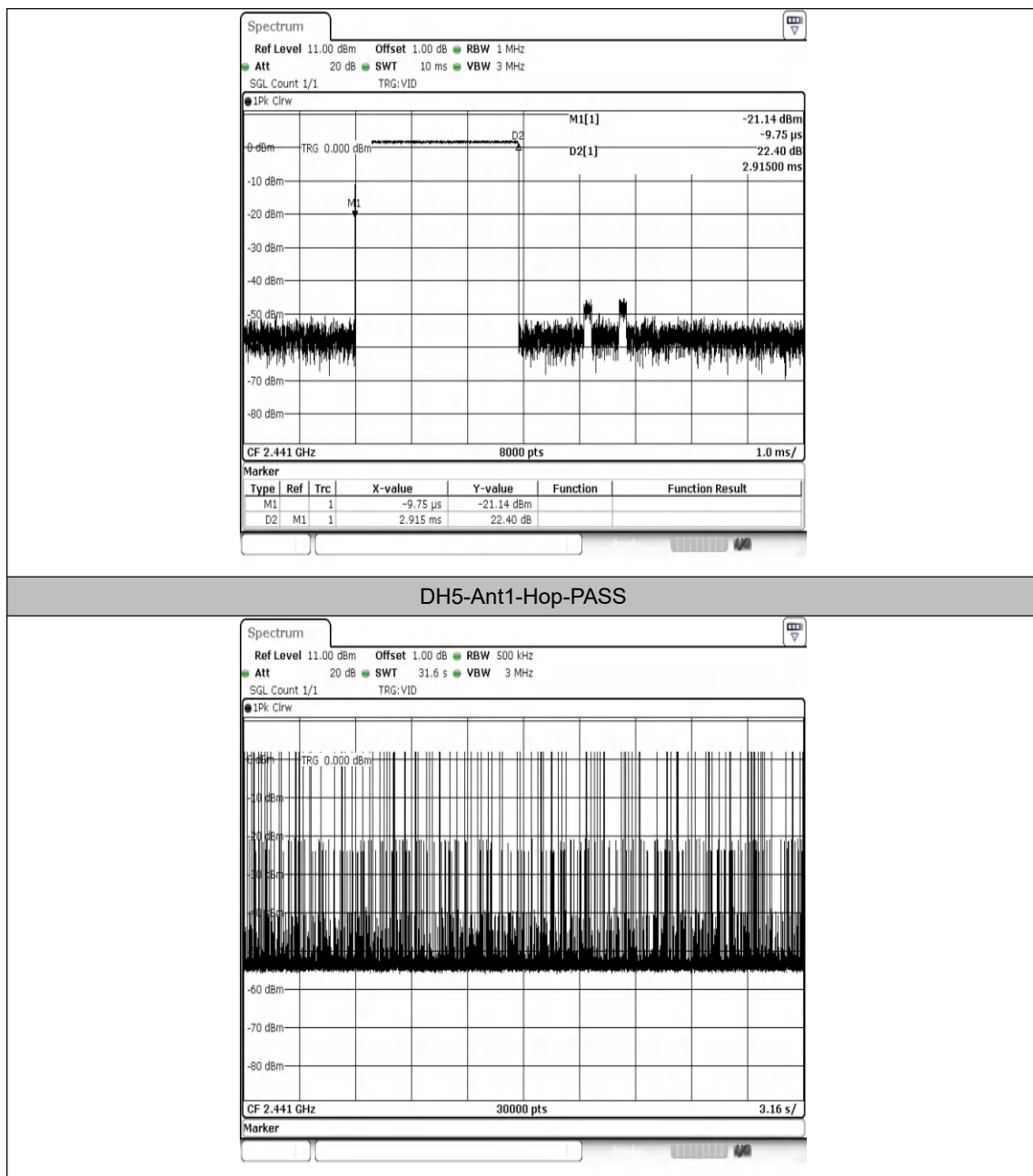


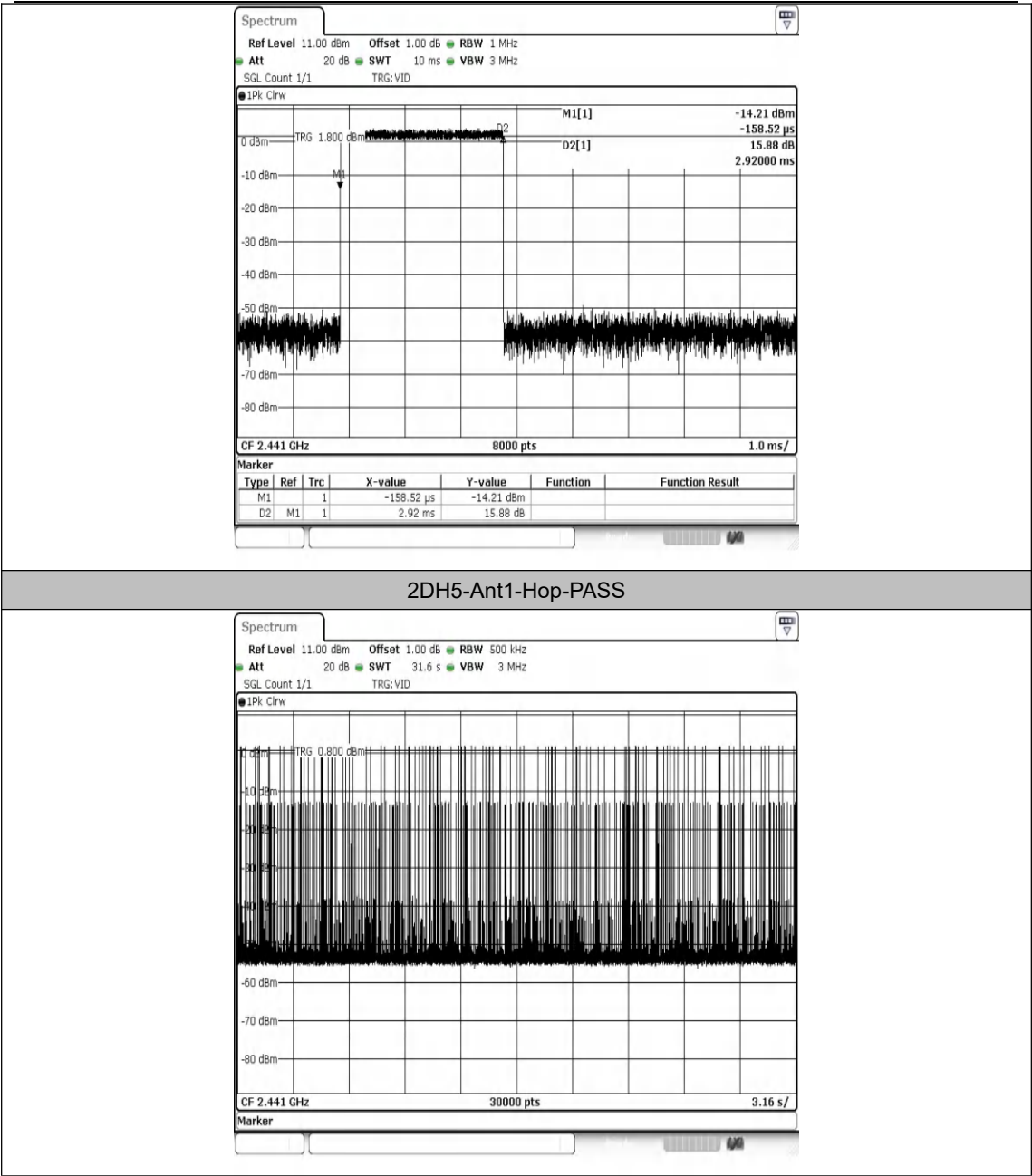
Appendix E: Dwell Time

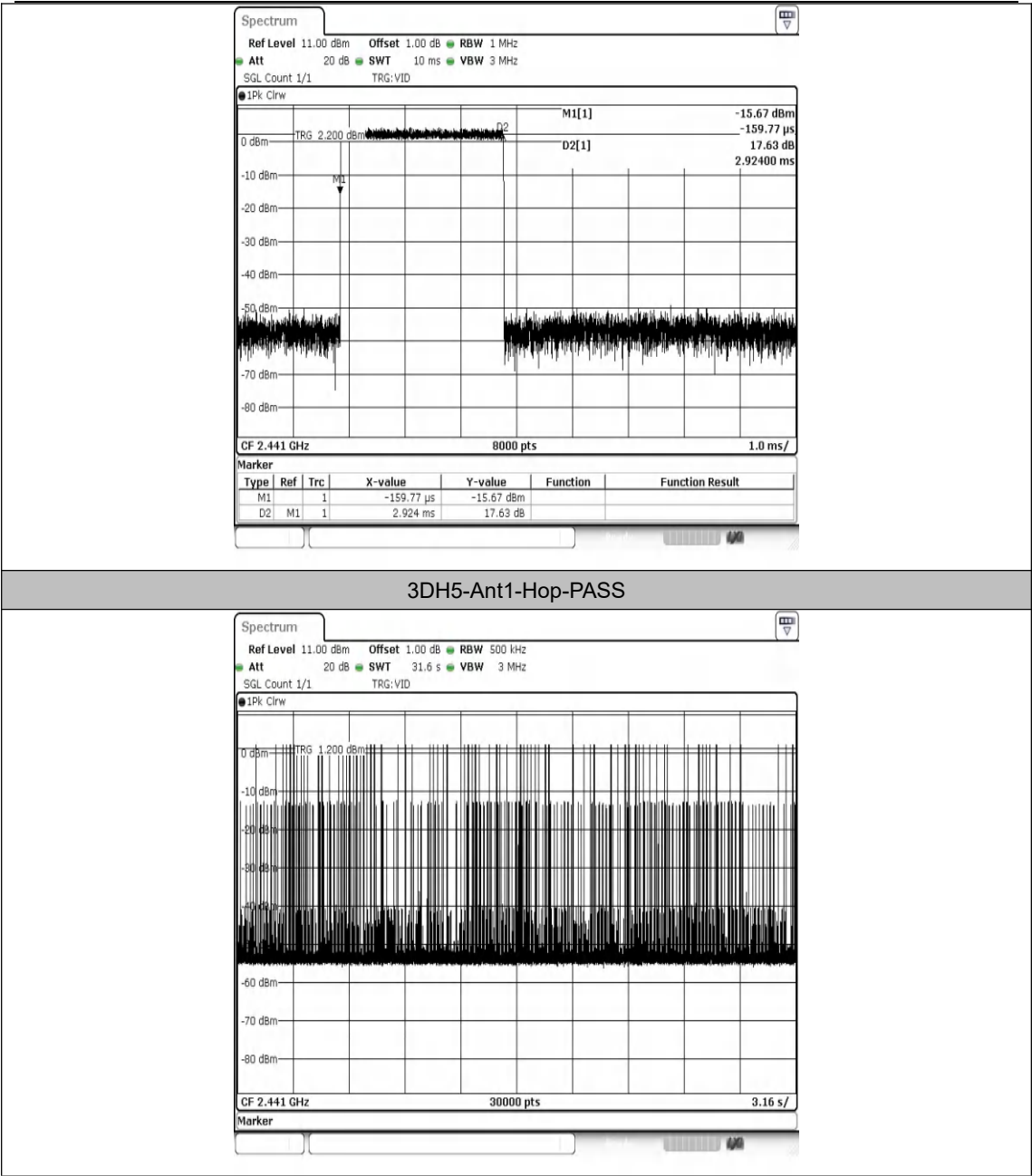
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.915	115	0.335	≤0.4	PASS
2DH5	Ant1	Hop	2.920	112	0.327	≤0.4	PASS
3DH5	Ant1	Hop	2.924	96	0.281	≤0.4	PASS

Test Graphs







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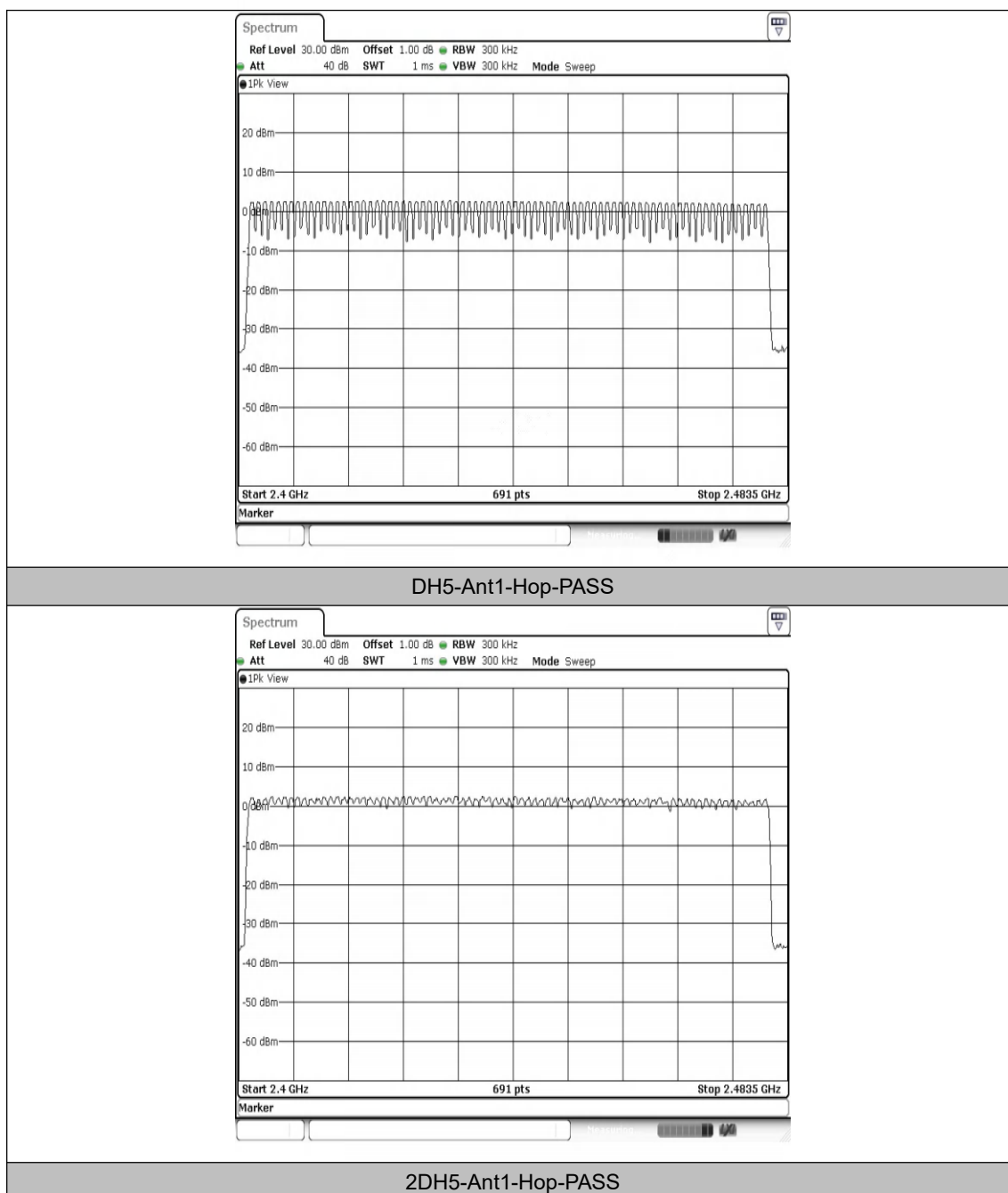
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Appendix F: Number of Hopping Channel

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

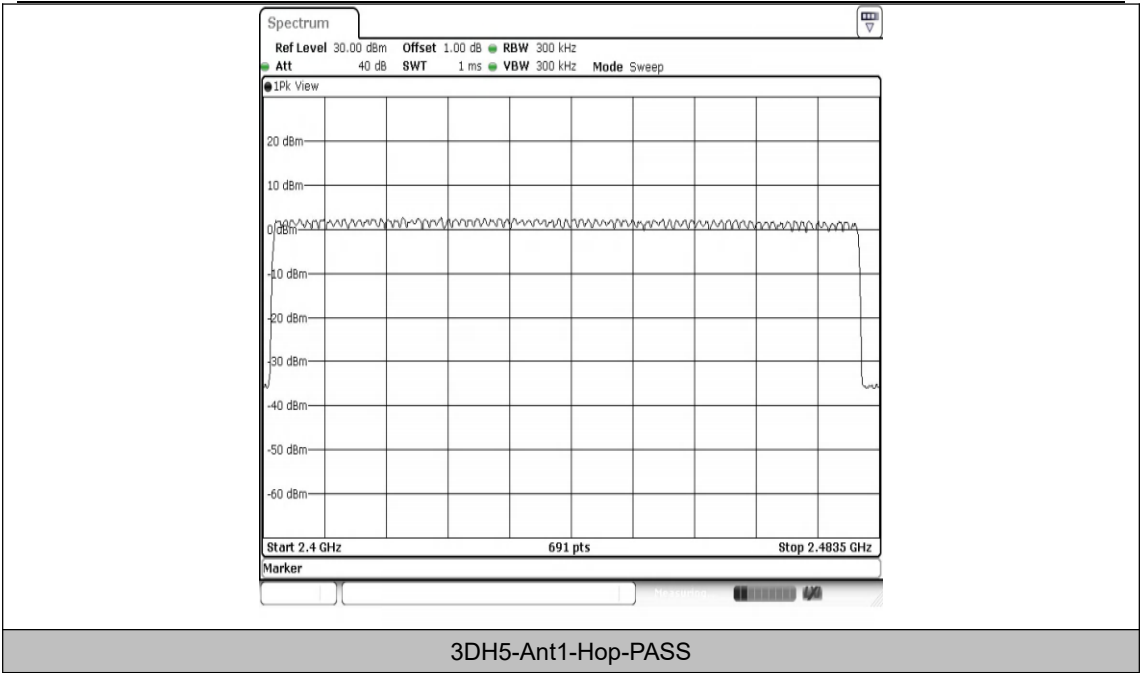
Test Graphs



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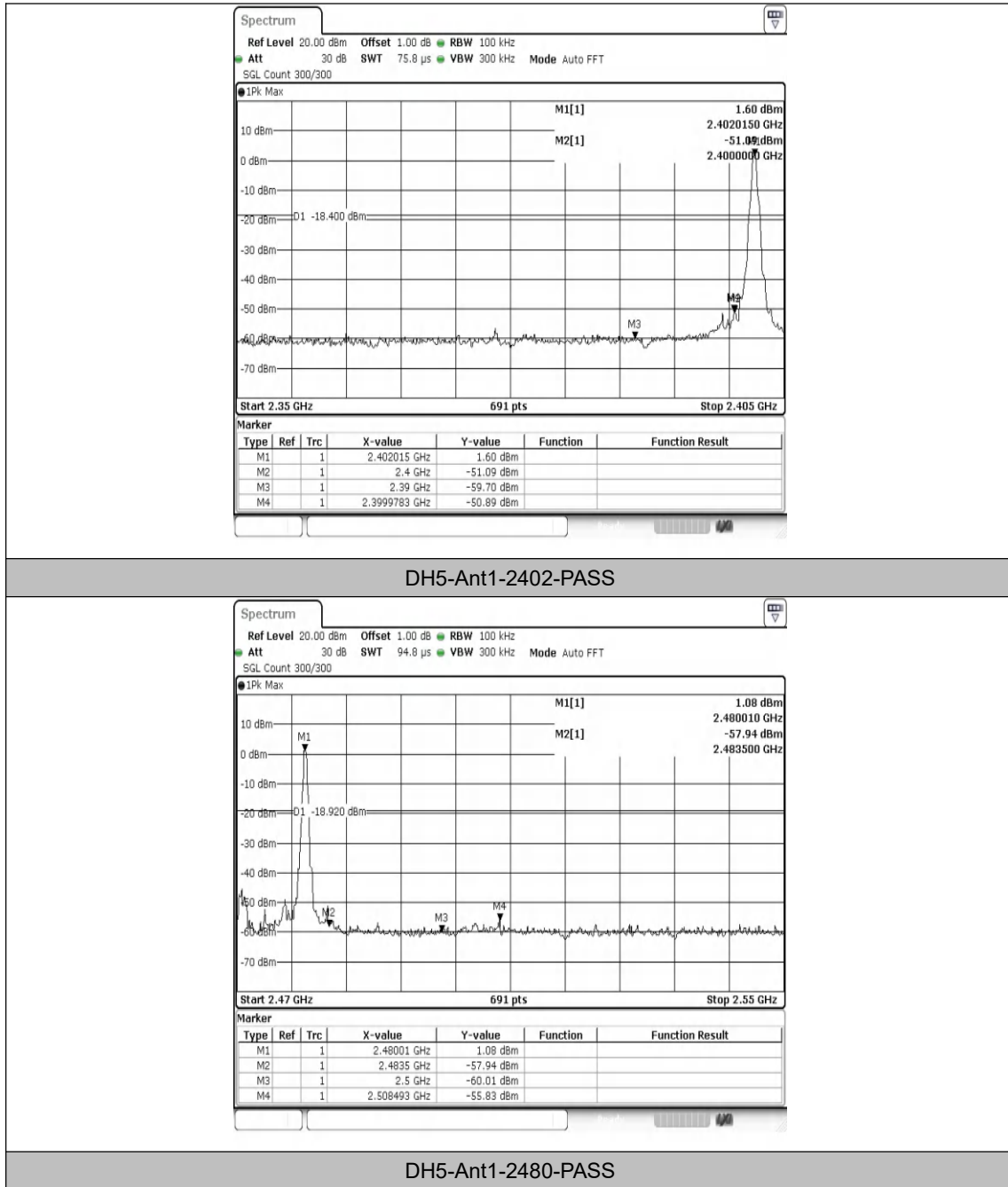
Appendix G: Conducted Band edge

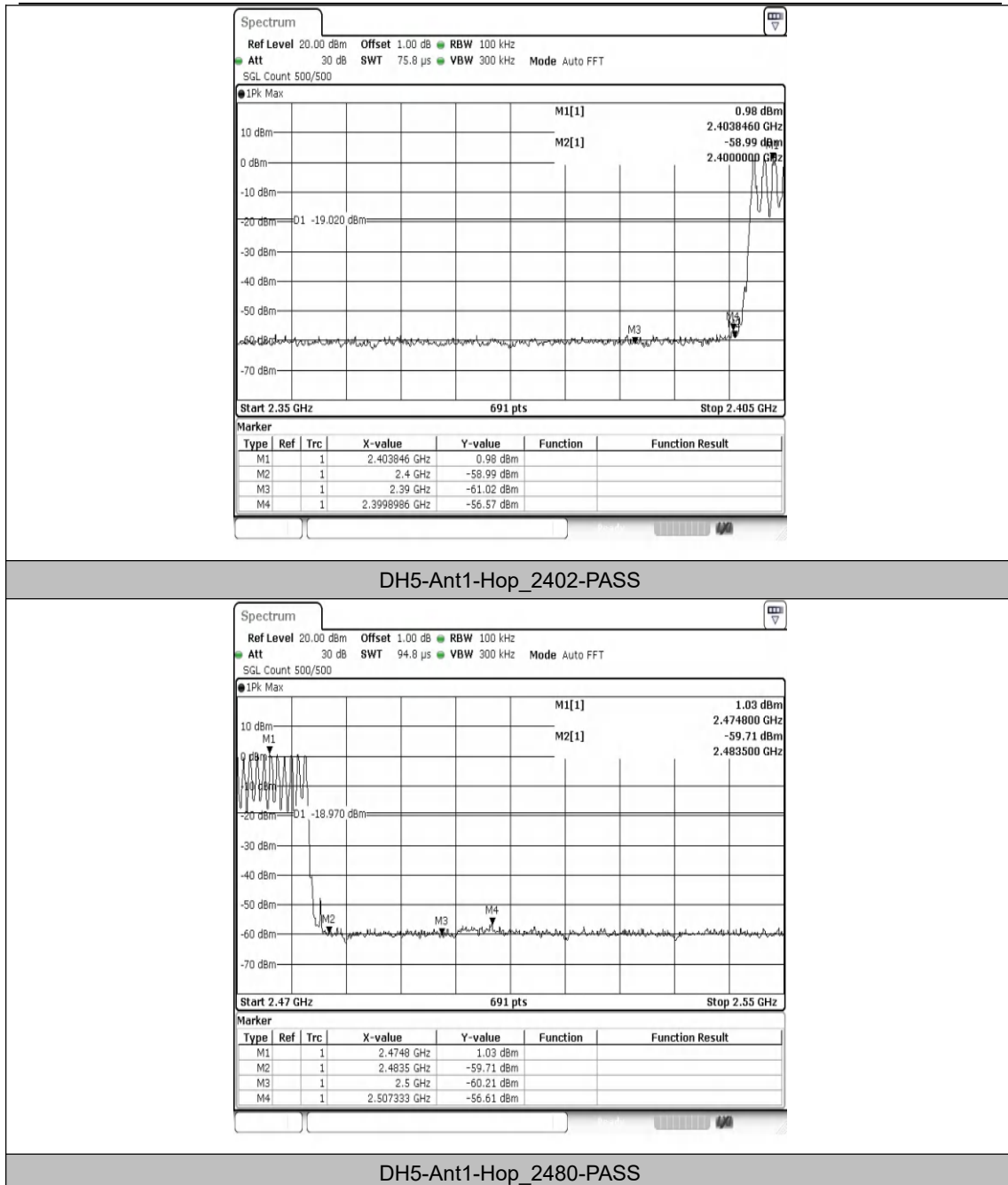
Test Result

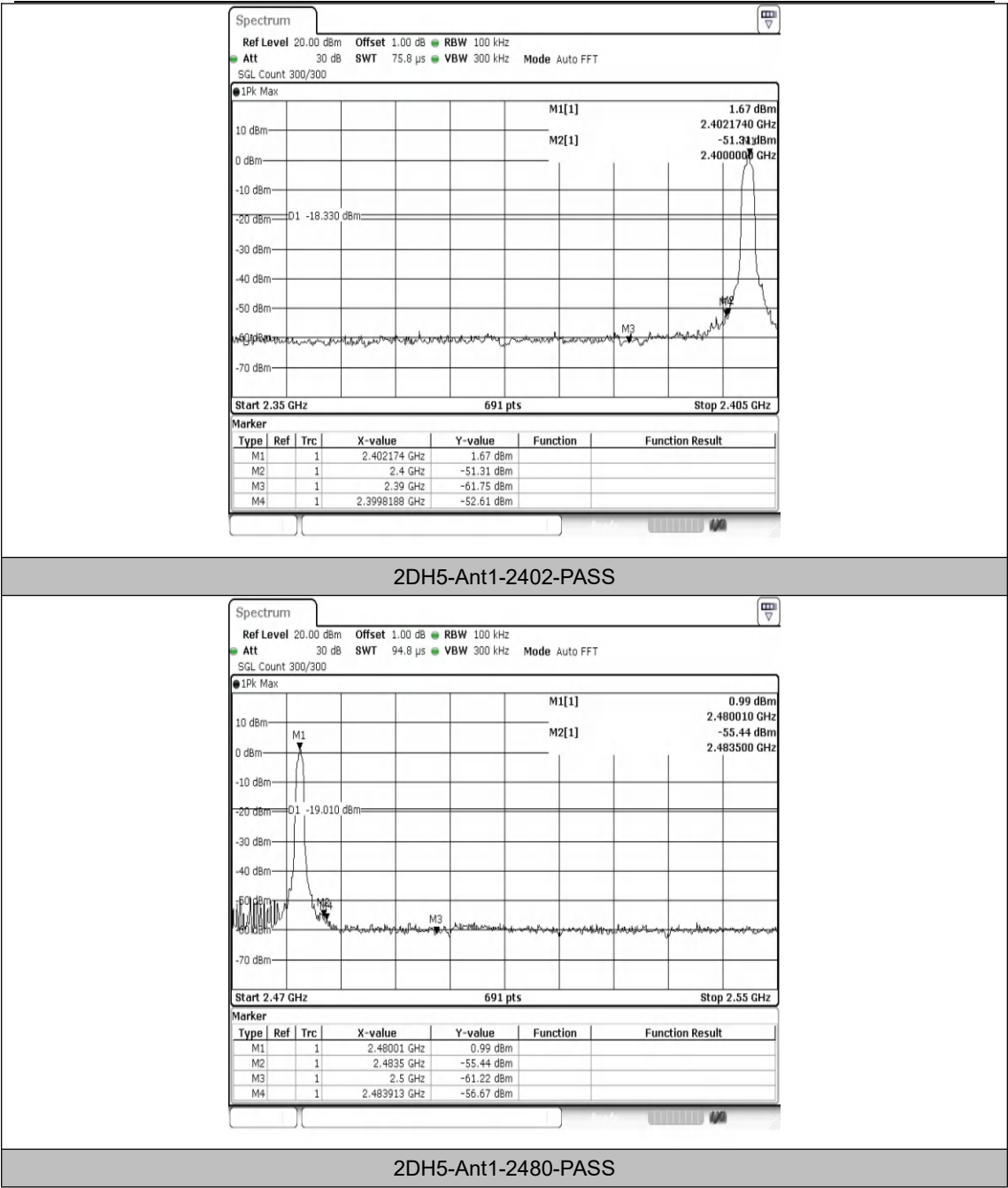
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.60	-50.89	≤-18.4	PASS
DH5	Ant1	High	2480	1.08	-55.83	≤-18.92	PASS
DH5	Ant1	Low	Hop_2402	0.98	-56.57	≤-19.02	PASS
DH5	Ant1	High	Hop_2480	1.03	-56.61	≤-18.97	PASS
2DH5	Ant1	Low	2402	1.67	-52.61	≤-18.33	PASS
2DH5	Ant1	High	2480	0.99	-56.67	≤-19.01	PASS
2DH5	Ant1	Low	Hop_2402	-0.18	-56	≤-20.18	PASS
2DH5	Ant1	High	Hop_2480	0.84	-44.42	≤-19.16	PASS
3DH5	Ant1	Low	2402	1.81	-52.47	≤-18.19	PASS
3DH5	Ant1	High	2480	0.86	-56.29	≤-19.14	PASS
3DH5	Ant1	Low	Hop_2402	-0.33	-56.65	≤-20.33	PASS
3DH5	Ant1	High	Hop_2480	1.07	-56.11	≤-18.93	PASS

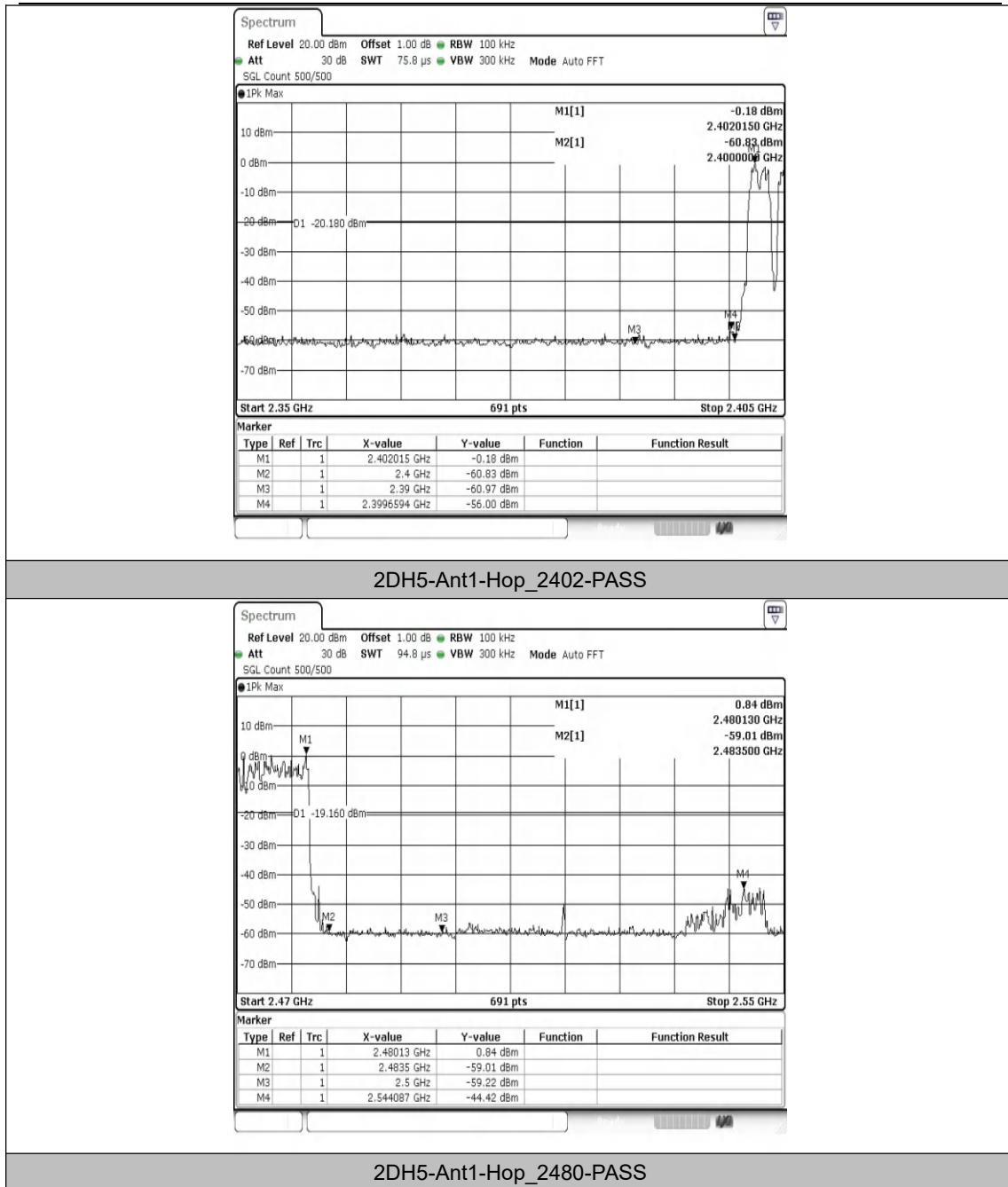
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs





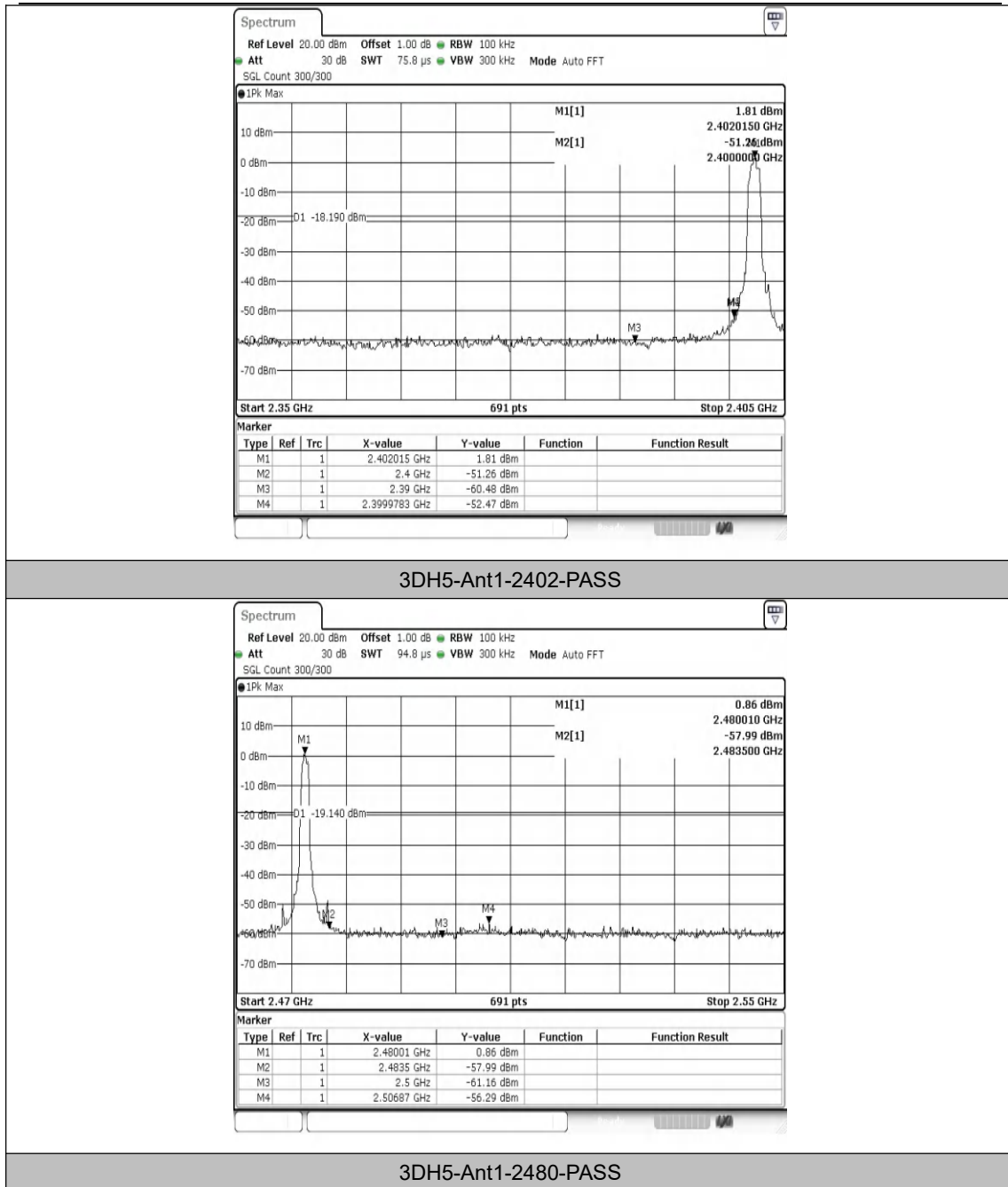




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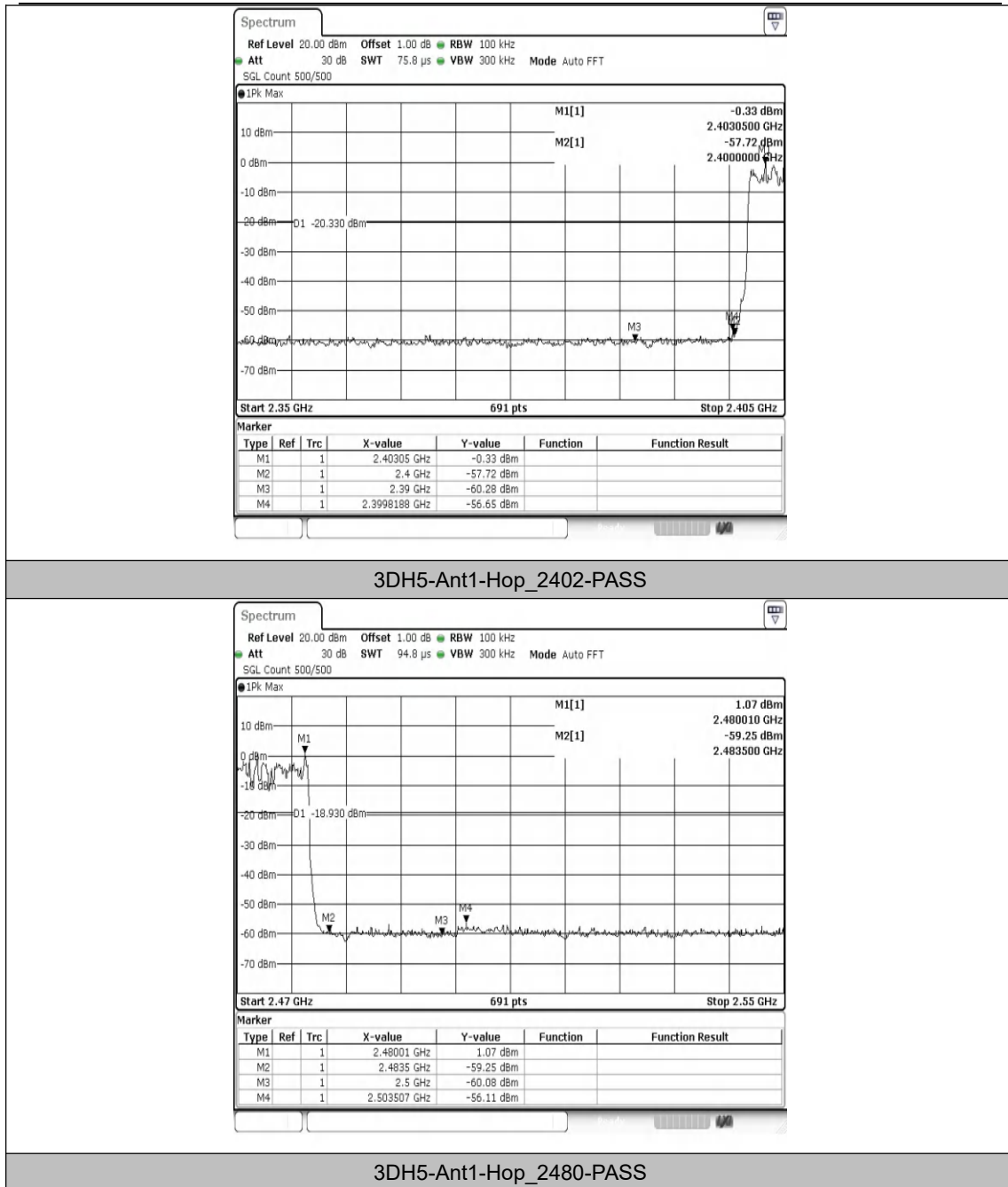
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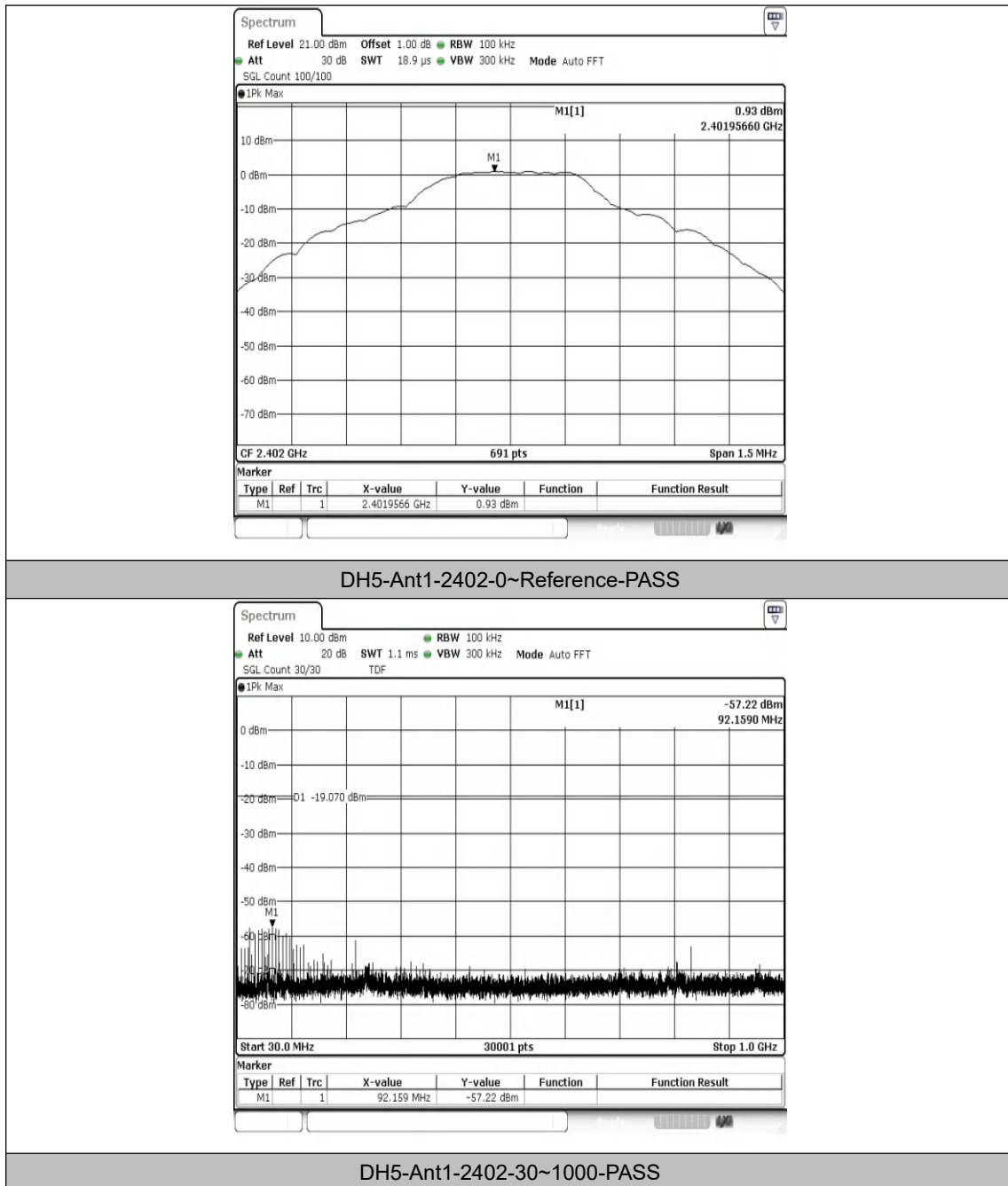
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.93	0.93	---	PASS
DH5	Ant1	2402	30~1000	0.93	-57.22	≤-19.07	PASS
DH5	Ant1	2402	1000~26500	0.93	-27.78	≤-19.07	PASS
DH5	Ant1	2441	0~Reference	1.54	1.54	---	PASS
DH5	Ant1	2441	30~1000	1.54	-57.17	≤-18.46	PASS
DH5	Ant1	2441	1000~26500	1.54	-28.04	≤-18.46	PASS
DH5	Ant1	2480	0~Reference	1.00	1.00	---	PASS
DH5	Ant1	2480	30~1000	1.00	-56.72	≤-19	PASS
DH5	Ant1	2480	1000~26500	1.00	-30.56	≤-19	PASS
2DH5	Ant1	2402	0~Reference	0.56	0.56	---	PASS
2DH5	Ant1	2402	30~1000	0.56	-57.02	≤-19.44	PASS
2DH5	Ant1	2402	1000~26500	0.56	-26.47	≤-19.44	PASS
2DH5	Ant1	2441	0~Reference	1.67	1.67	---	PASS
2DH5	Ant1	2441	30~1000	1.67	-57.35	≤-18.33	PASS
2DH5	Ant1	2441	1000~26500	1.67	-28.97	≤-18.33	PASS
2DH5	Ant1	2480	0~Reference	0.85	0.85	---	PASS
2DH5	Ant1	2480	30~1000	0.85	-57.04	≤-19.15	PASS
2DH5	Ant1	2480	1000~26500	0.85	-29.41	≤-19.15	PASS
3DH5	Ant1	2402	0~Reference	0.79	0.79	---	PASS
3DH5	Ant1	2402	30~1000	0.79	-56.56	≤-19.21	PASS
3DH5	Ant1	2402	1000~26500	0.79	-29.22	≤-19.21	PASS
3DH5	Ant1	2441	0~Reference	1.63	1.63	---	PASS
3DH5	Ant1	2441	30~1000	1.63	-57.18	≤-18.37	PASS
3DH5	Ant1	2441	1000~26500	1.63	-29.3	≤-18.37	PASS
3DH5	Ant1	2480	0~Reference	1.05	1.05	---	PASS
3DH5	Ant1	2480	30~1000	1.05	-57	≤-18.95	PASS
3DH5	Ant1	2480	1000~26500	1.05	-31.83	≤-18.95	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.

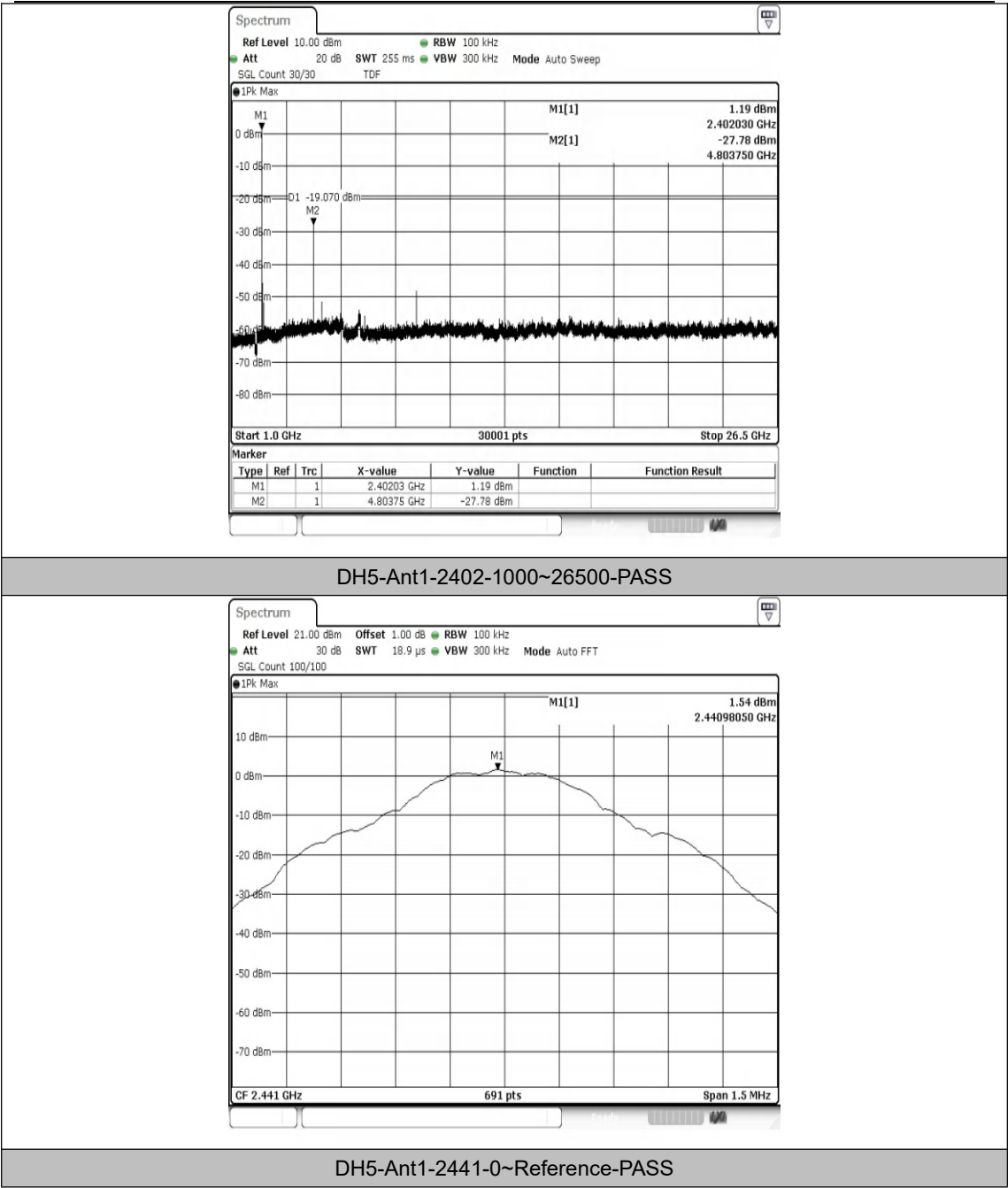
Test Graphs



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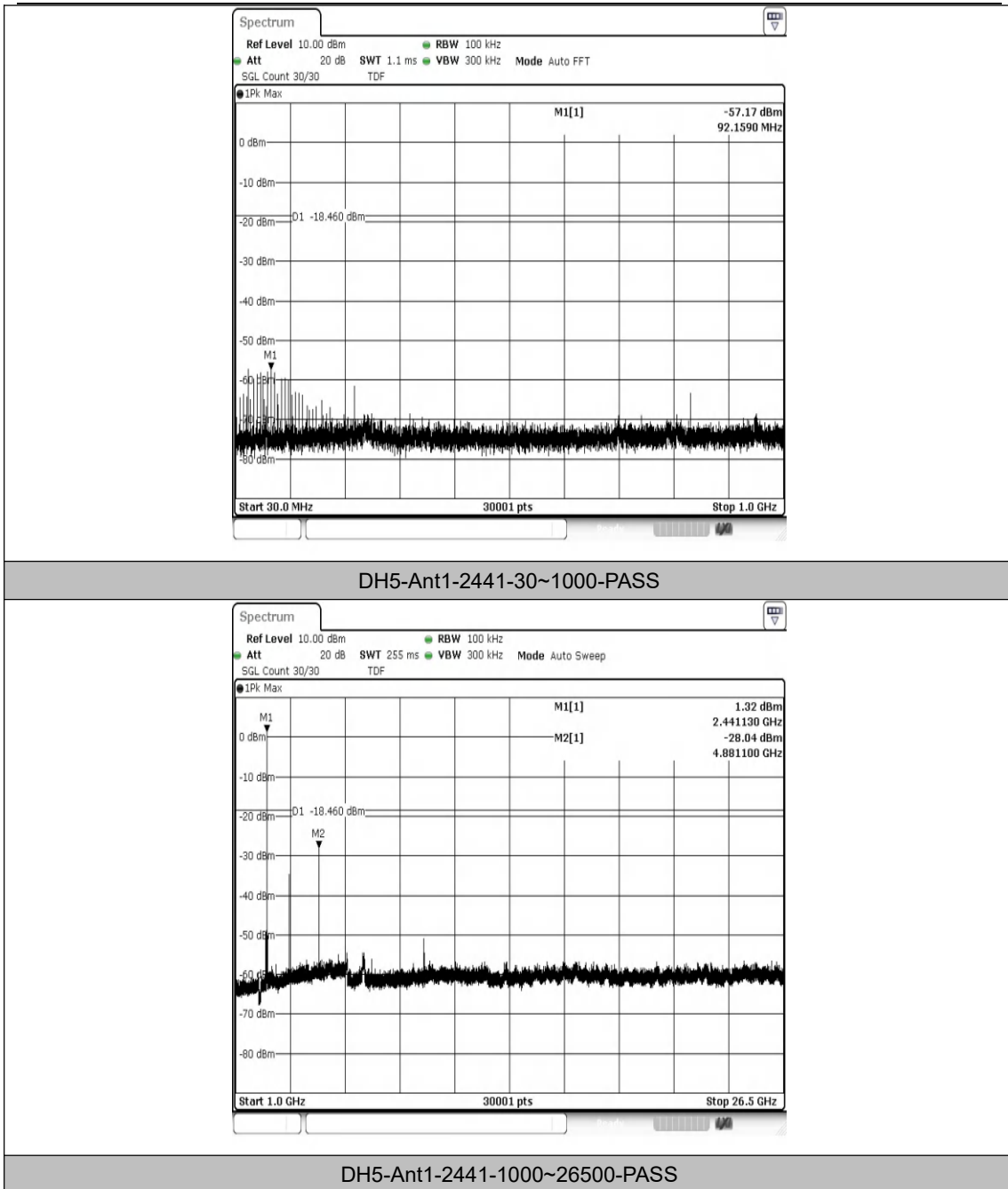
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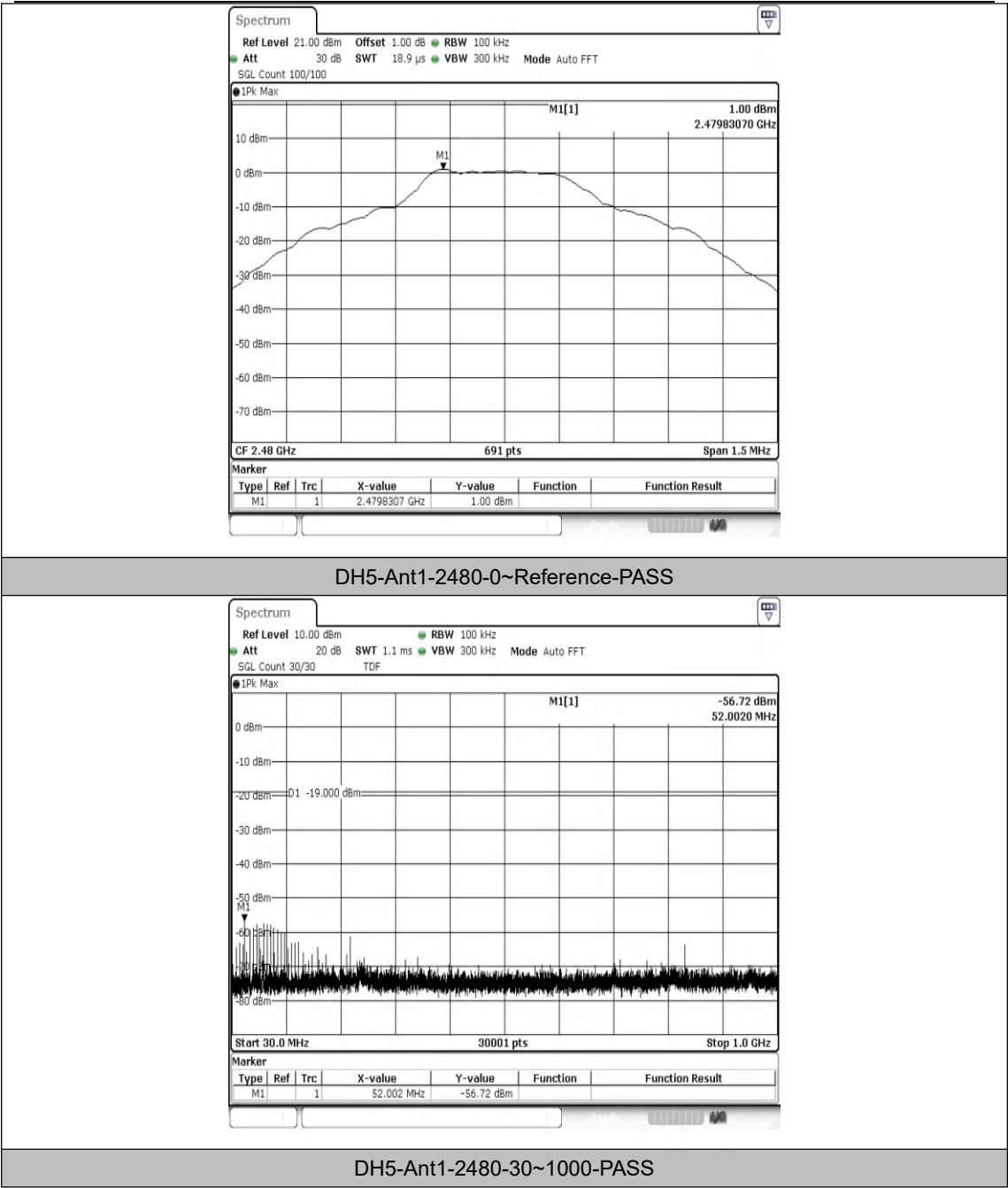
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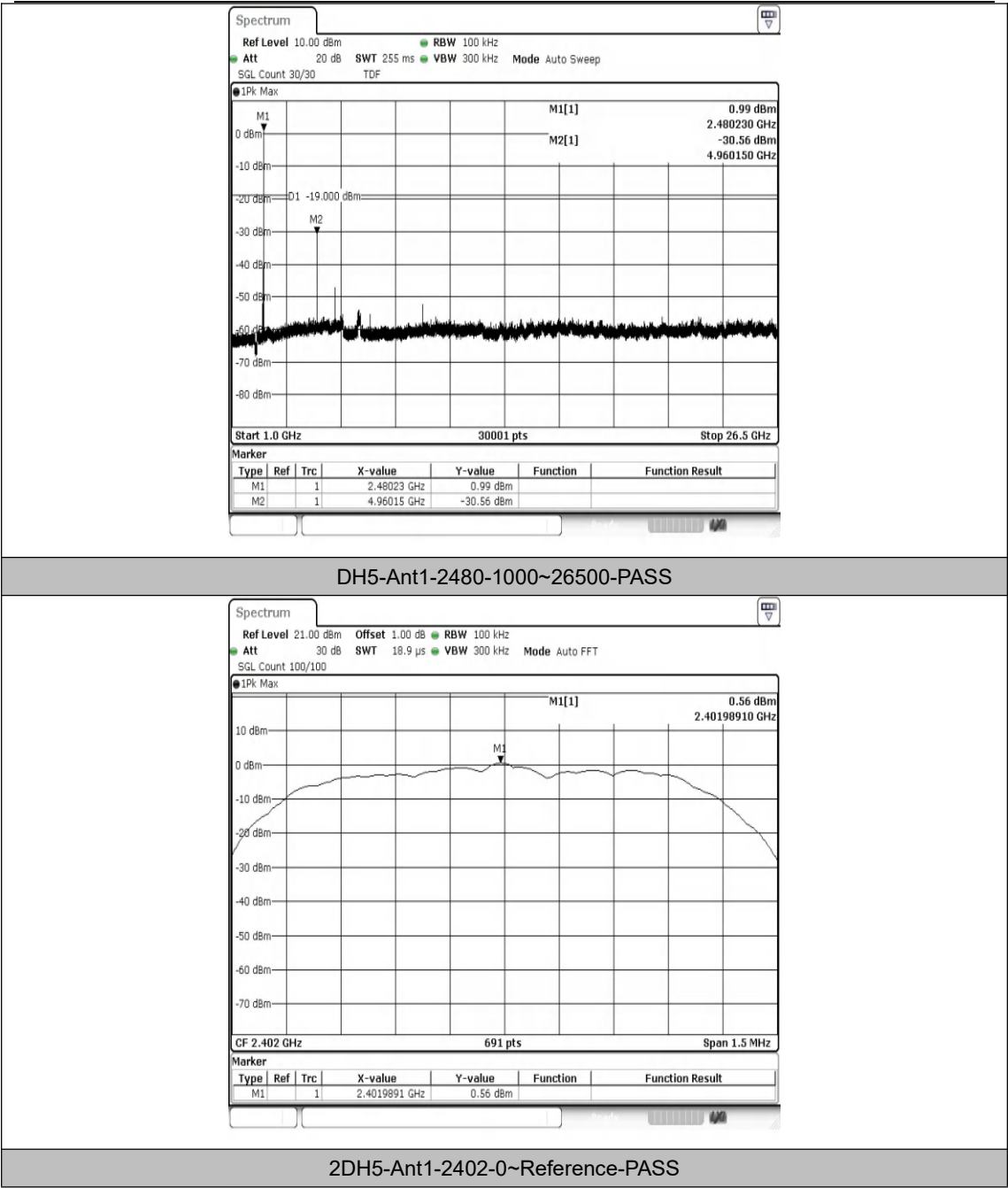


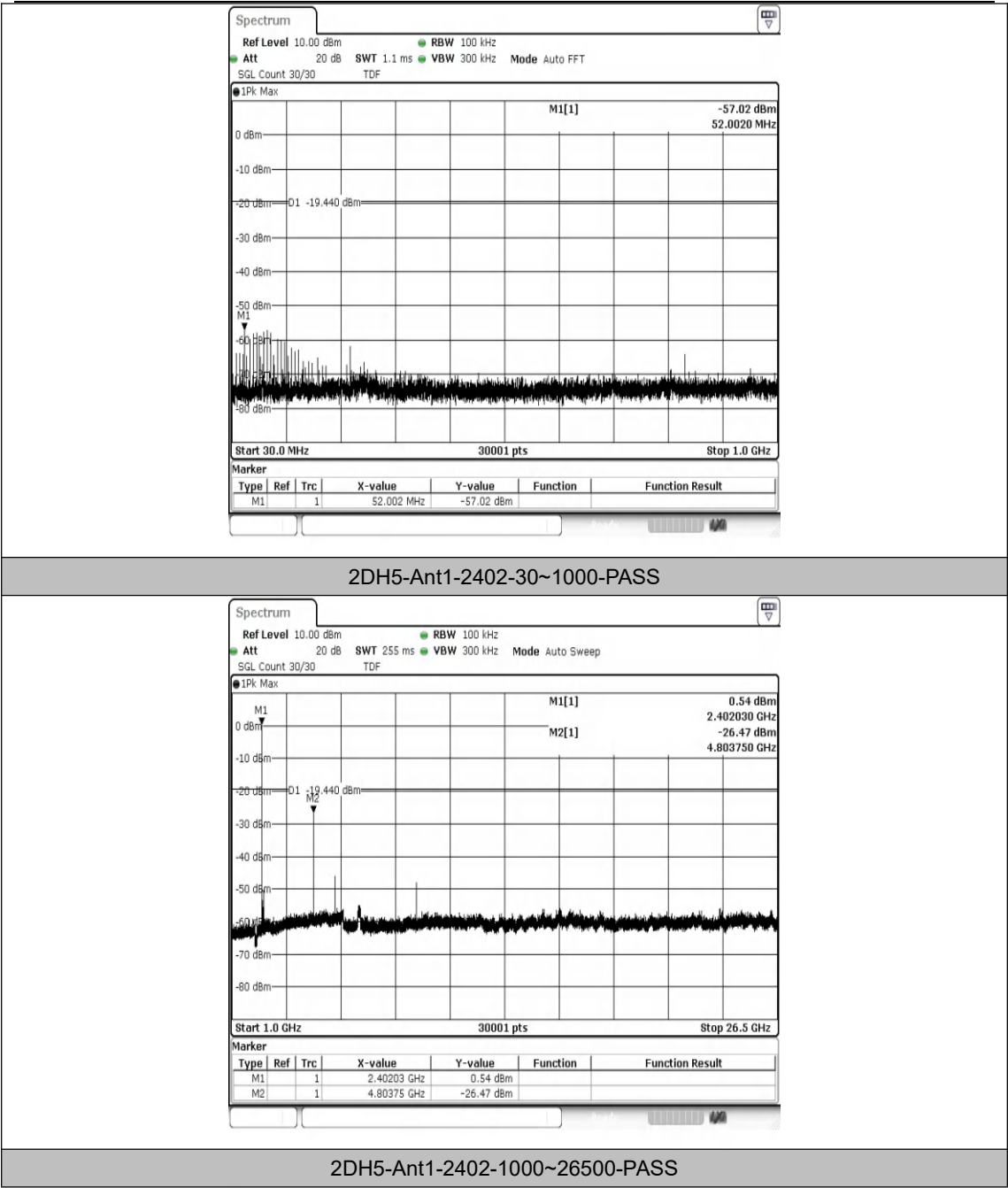
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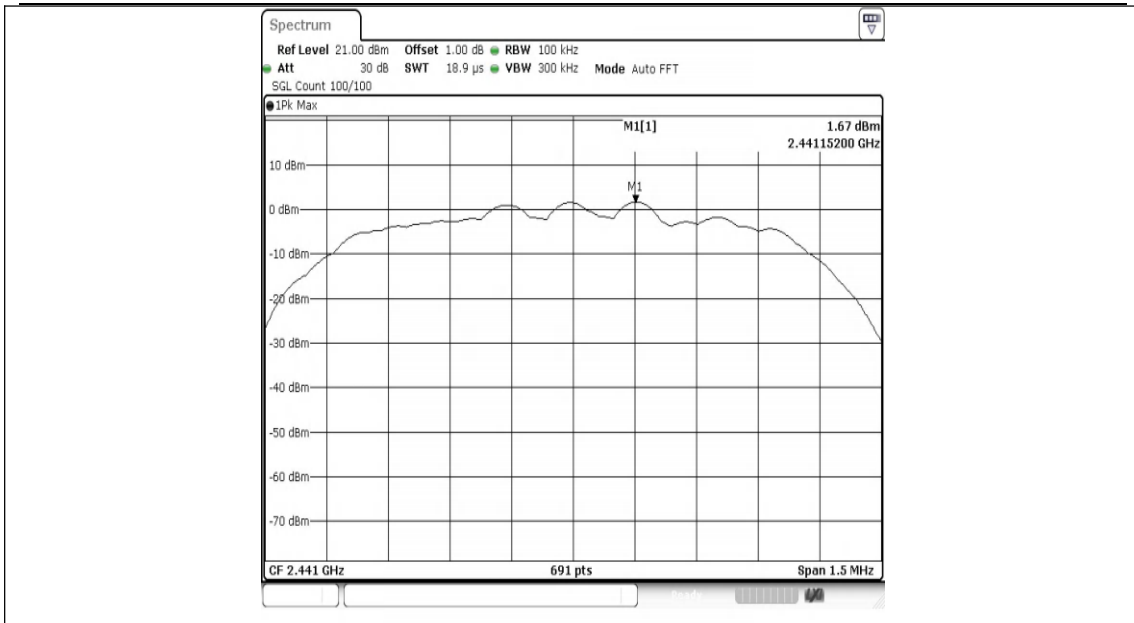
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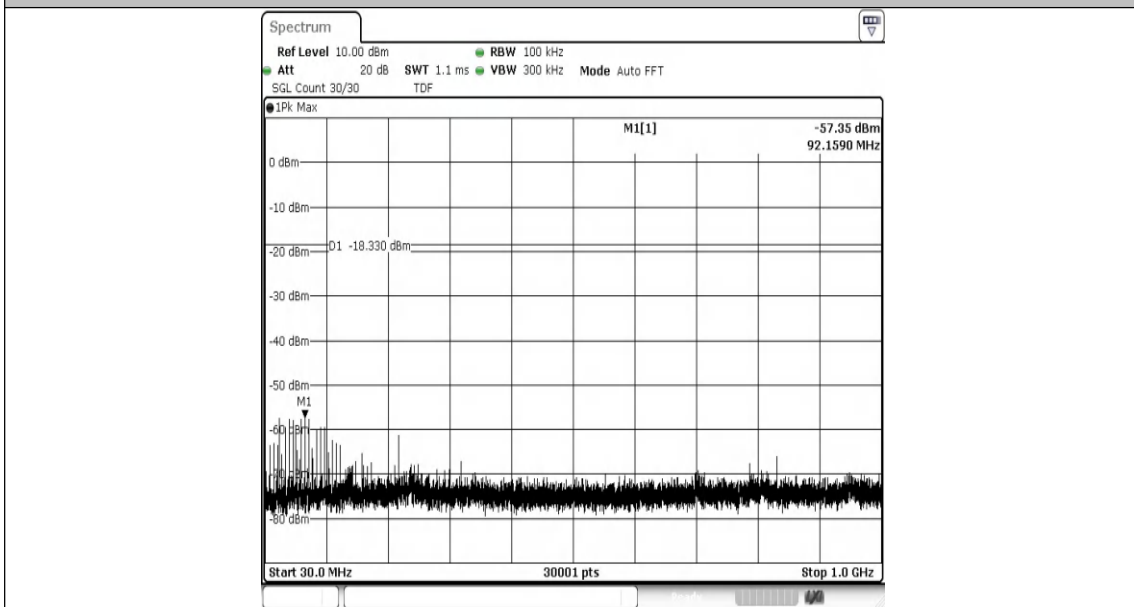




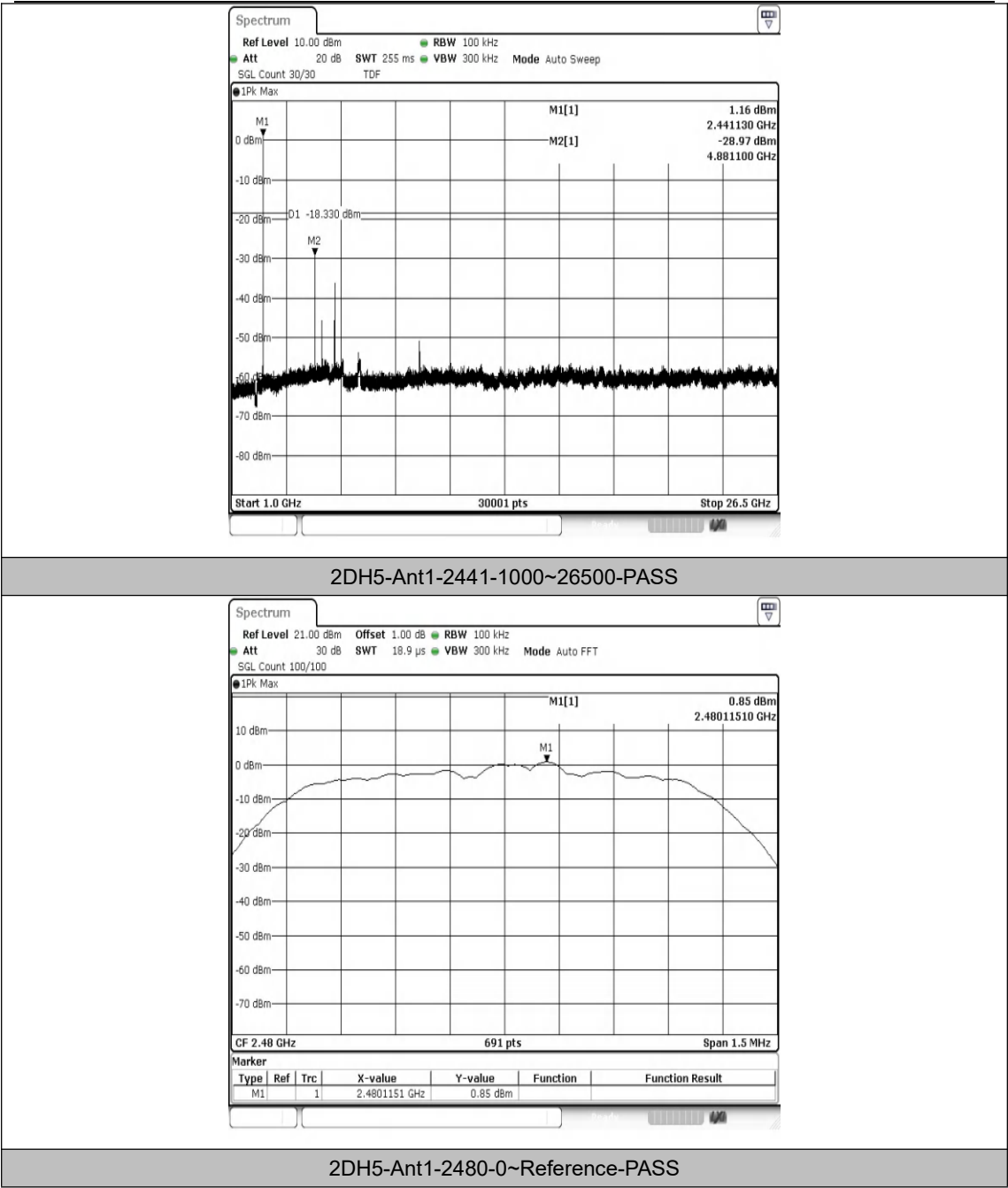


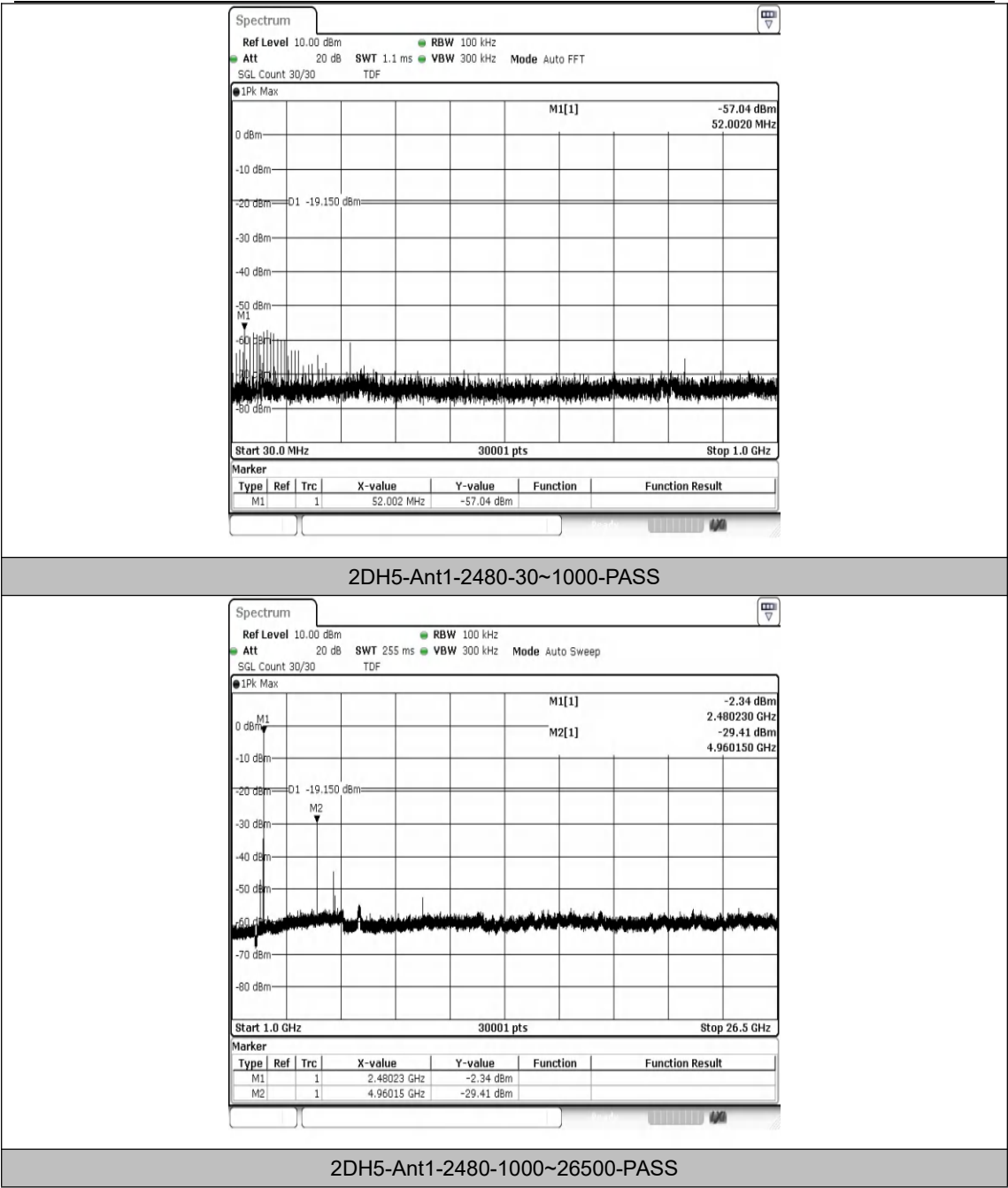


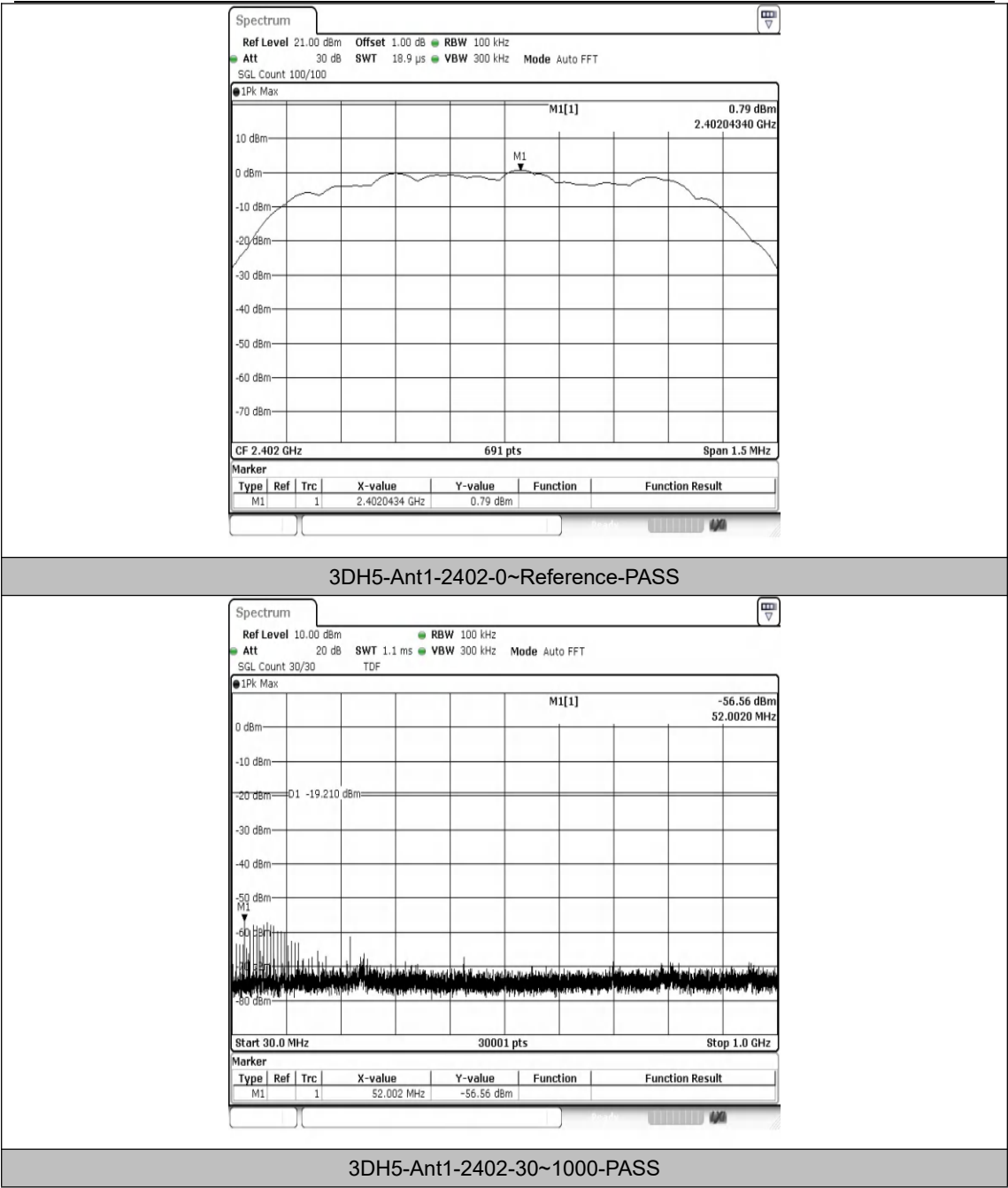
2DH5-Ant1-2441-0~Reference-PASS

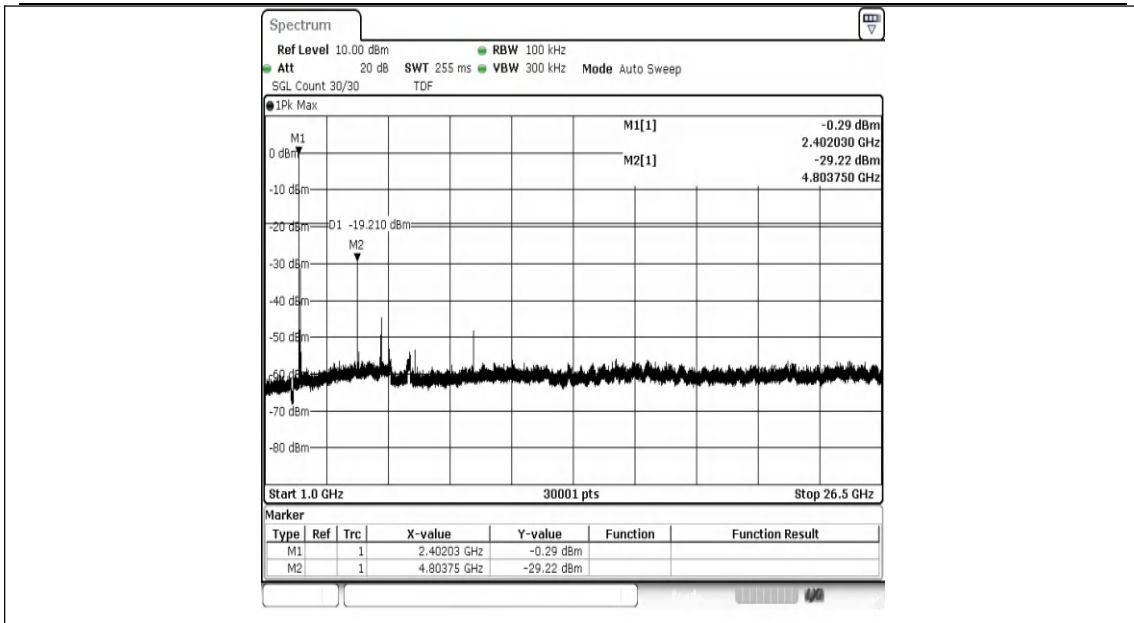


2DH5-Ant1-2441-30~1000-PASS

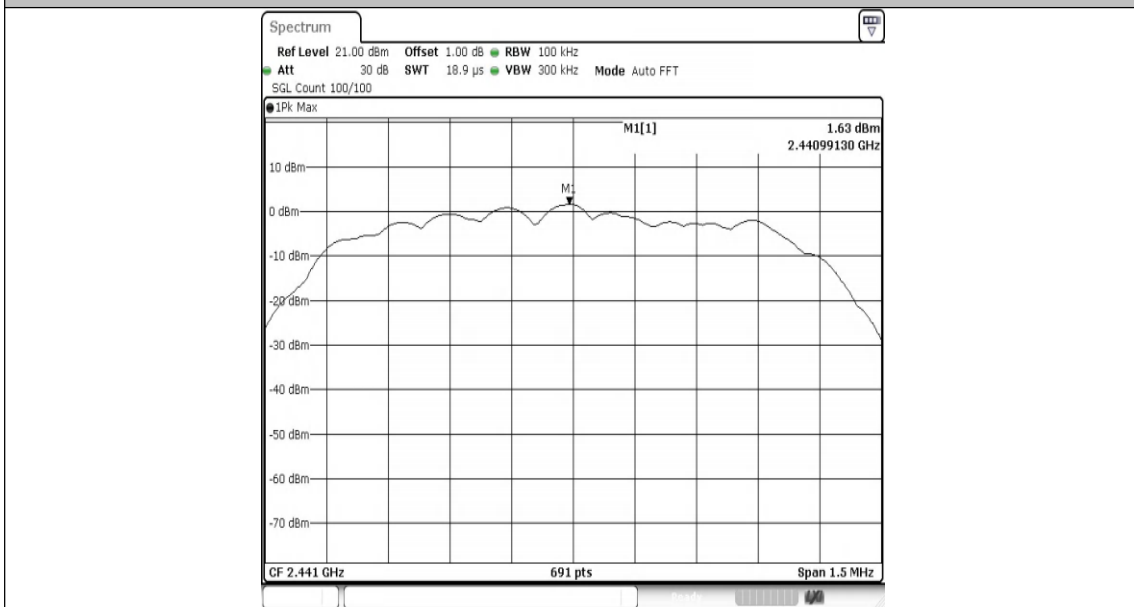




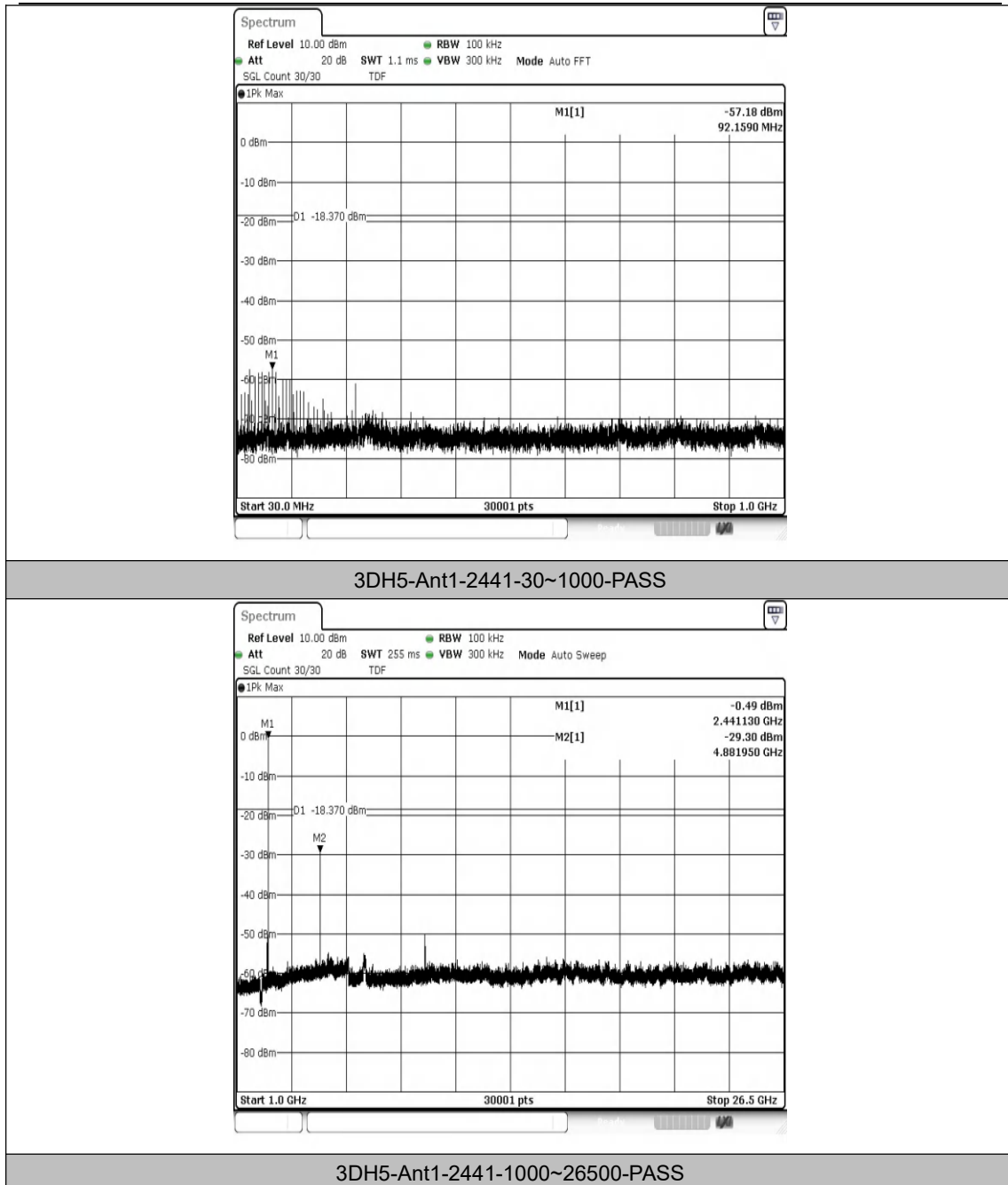




3DH5-Ant1-2402-1000~26500-PASS



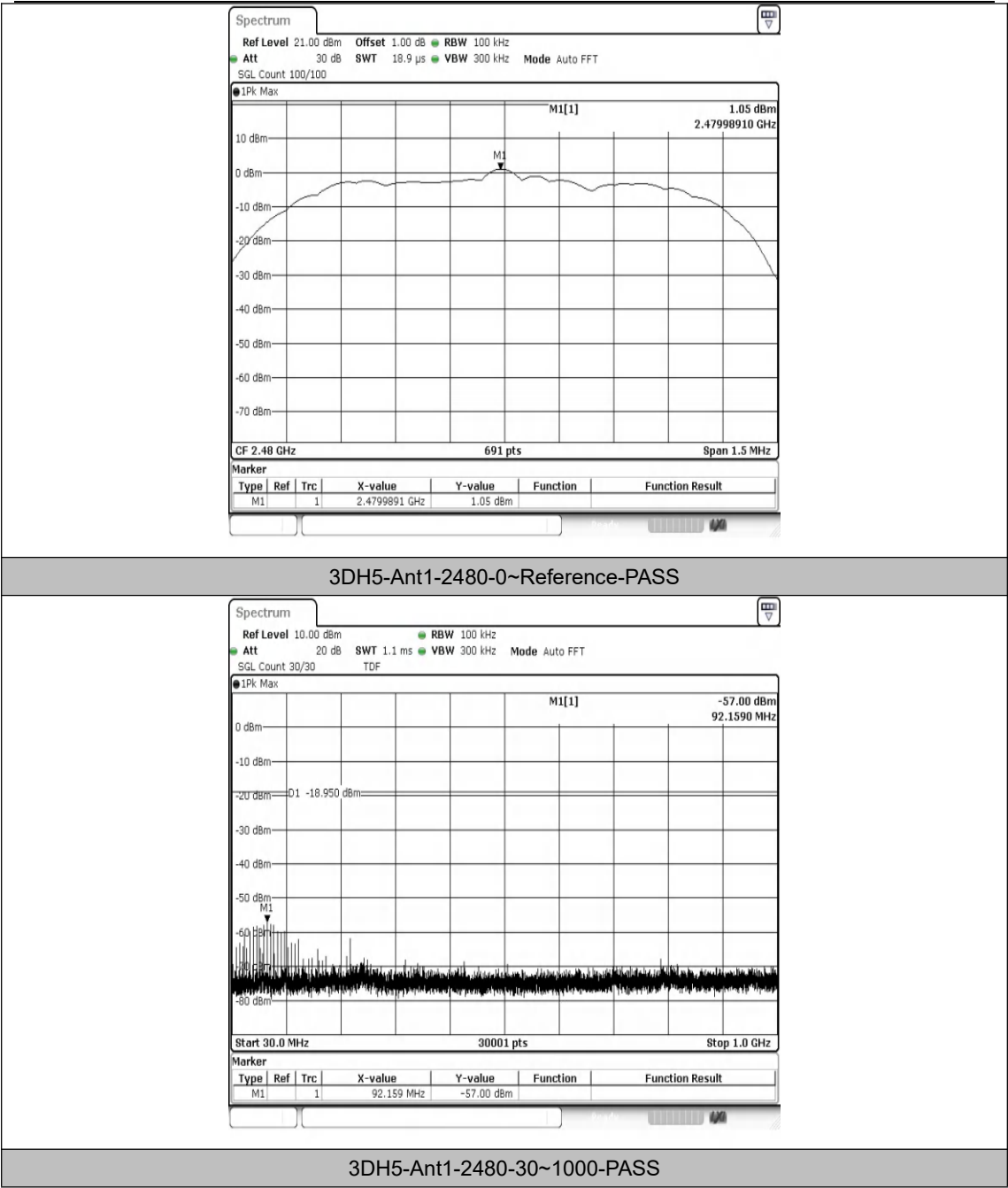
3DH5-Ant1-2441-0~Reference-PASS



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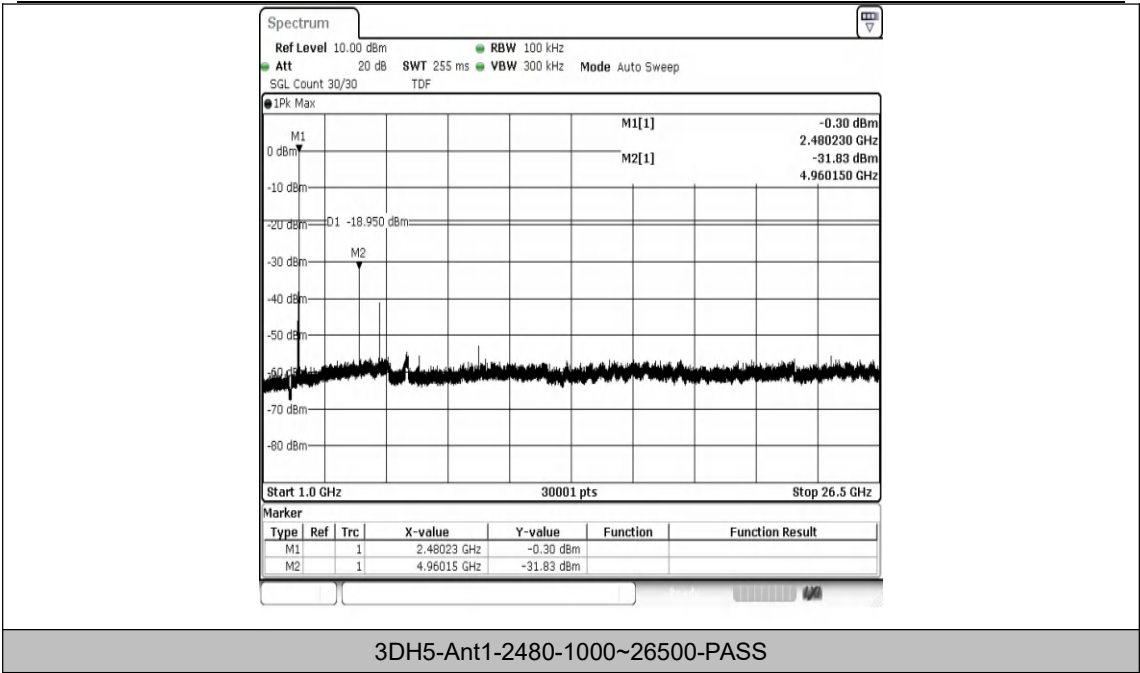
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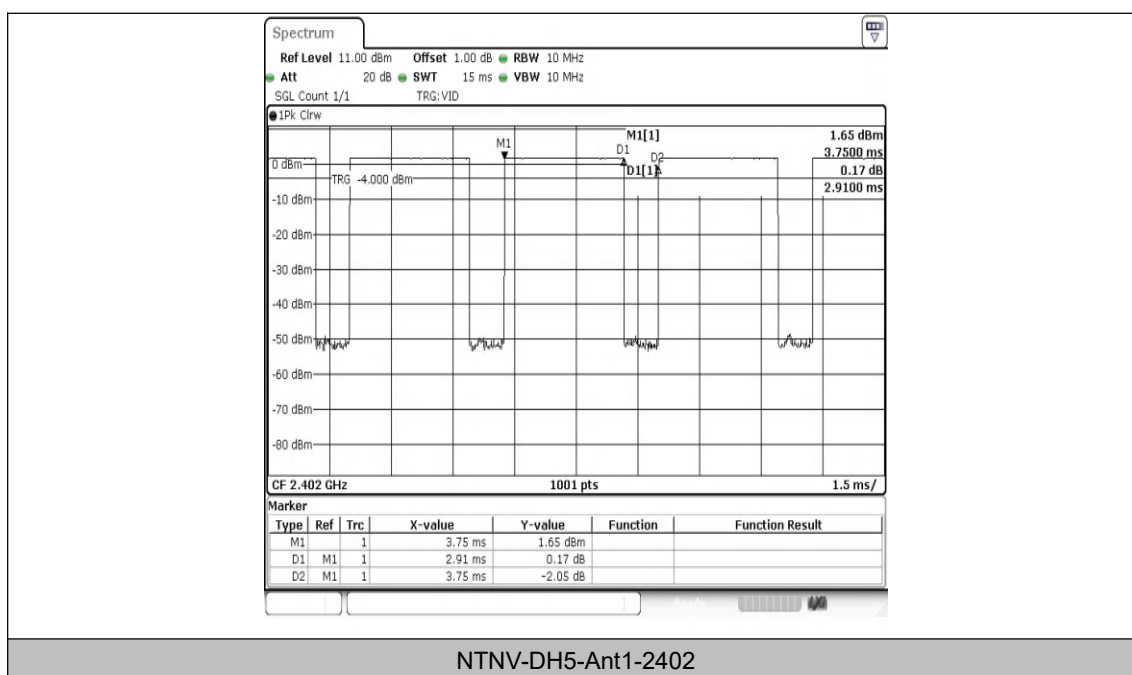
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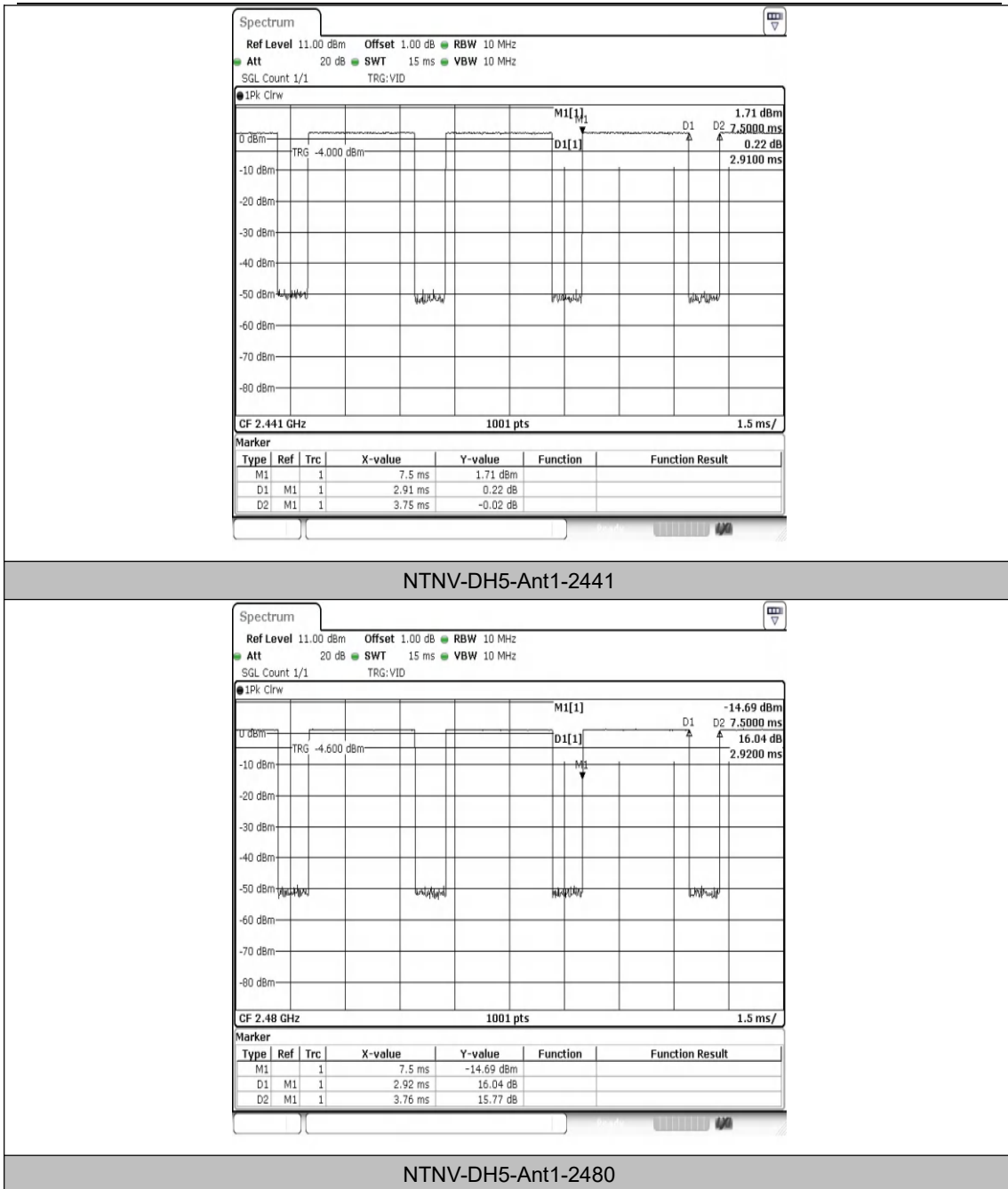
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.92	3.76	77.66	1.10
2DH5	Ant1	2402	2.93	3.75	78.13	1.07
2DH5	Ant1	2441	2.93	3.77	77.72	1.09
2DH5	Ant1	2480	2.92	3.76	77.66	1.10
3DH5	Ant1	2402	2.93	3.75	78.13	1.07
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.92	3.75	77.87	1.09

Test Graphs

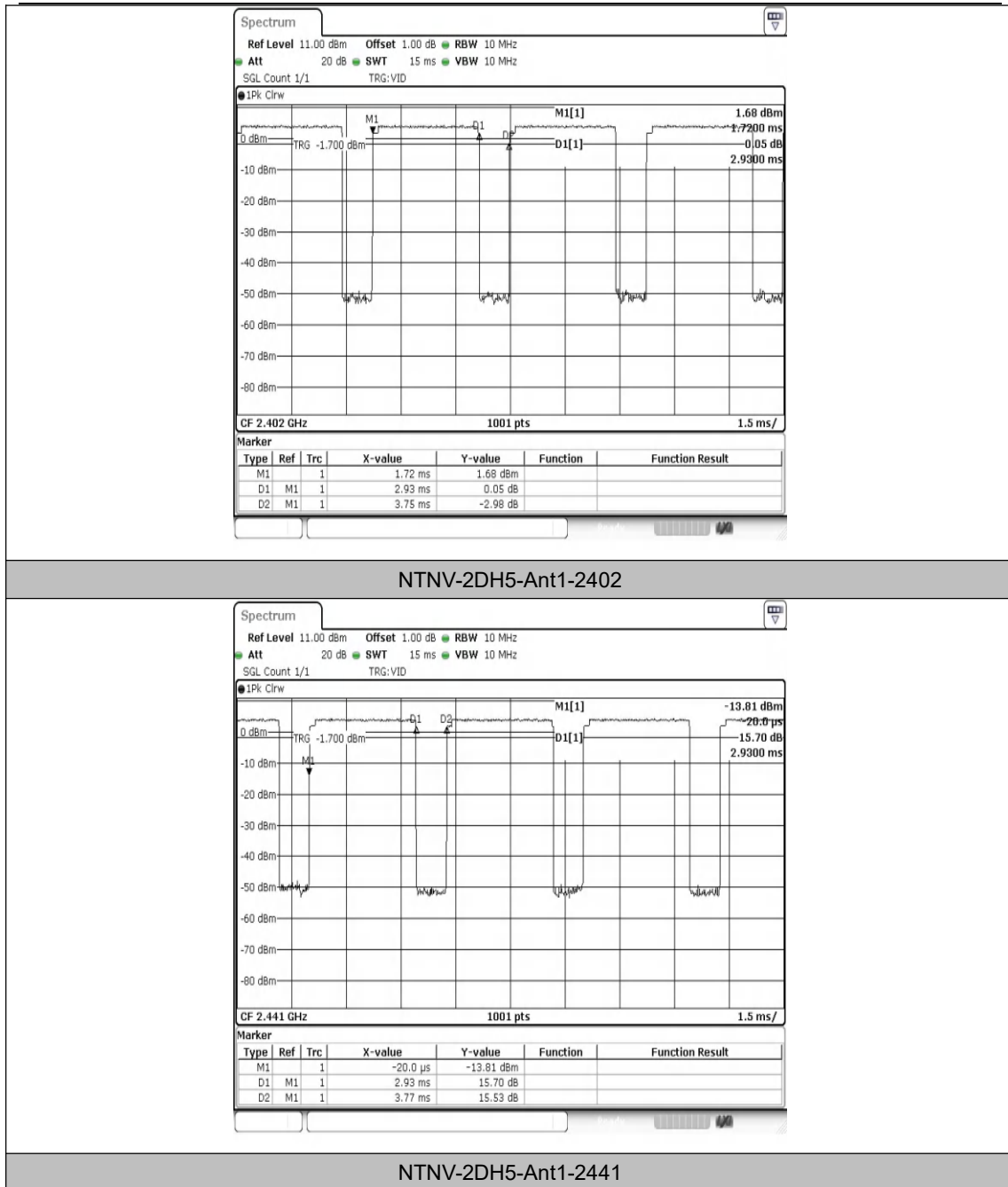




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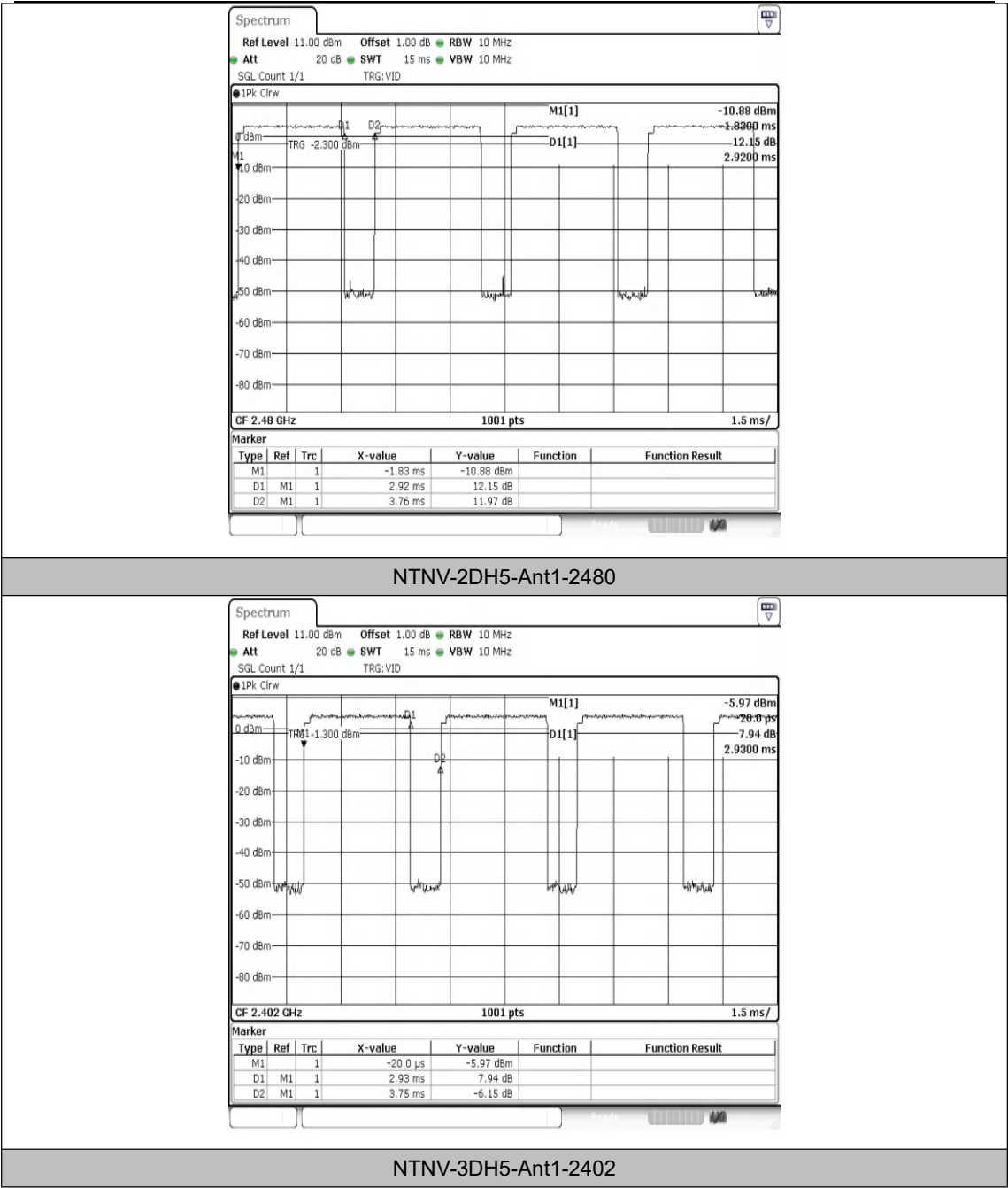
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

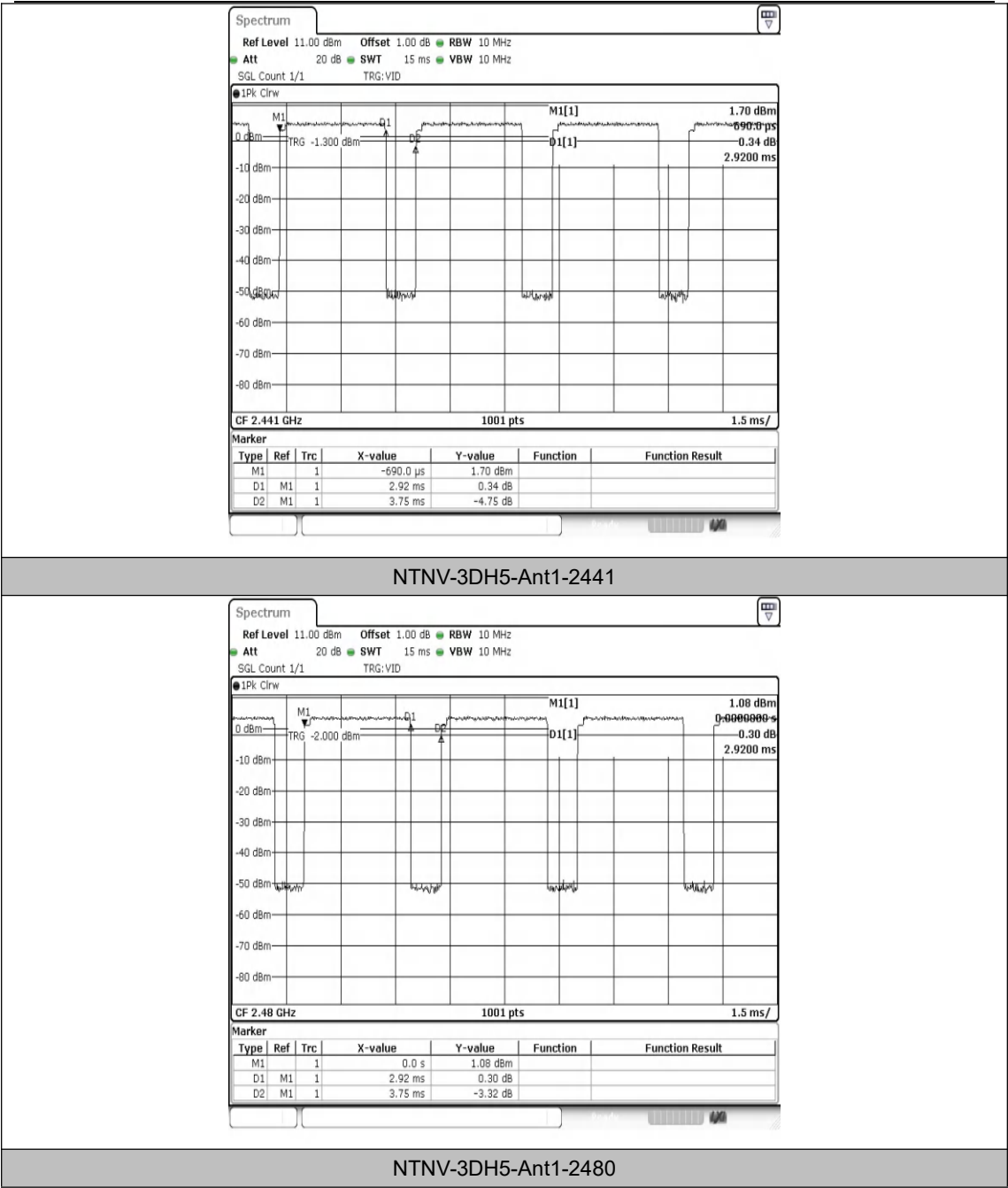


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