

Appendix Test Data

Report No.:	1812C50417812502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.9°C	Relative Humidity:	54%
Pressure:	101kPa		

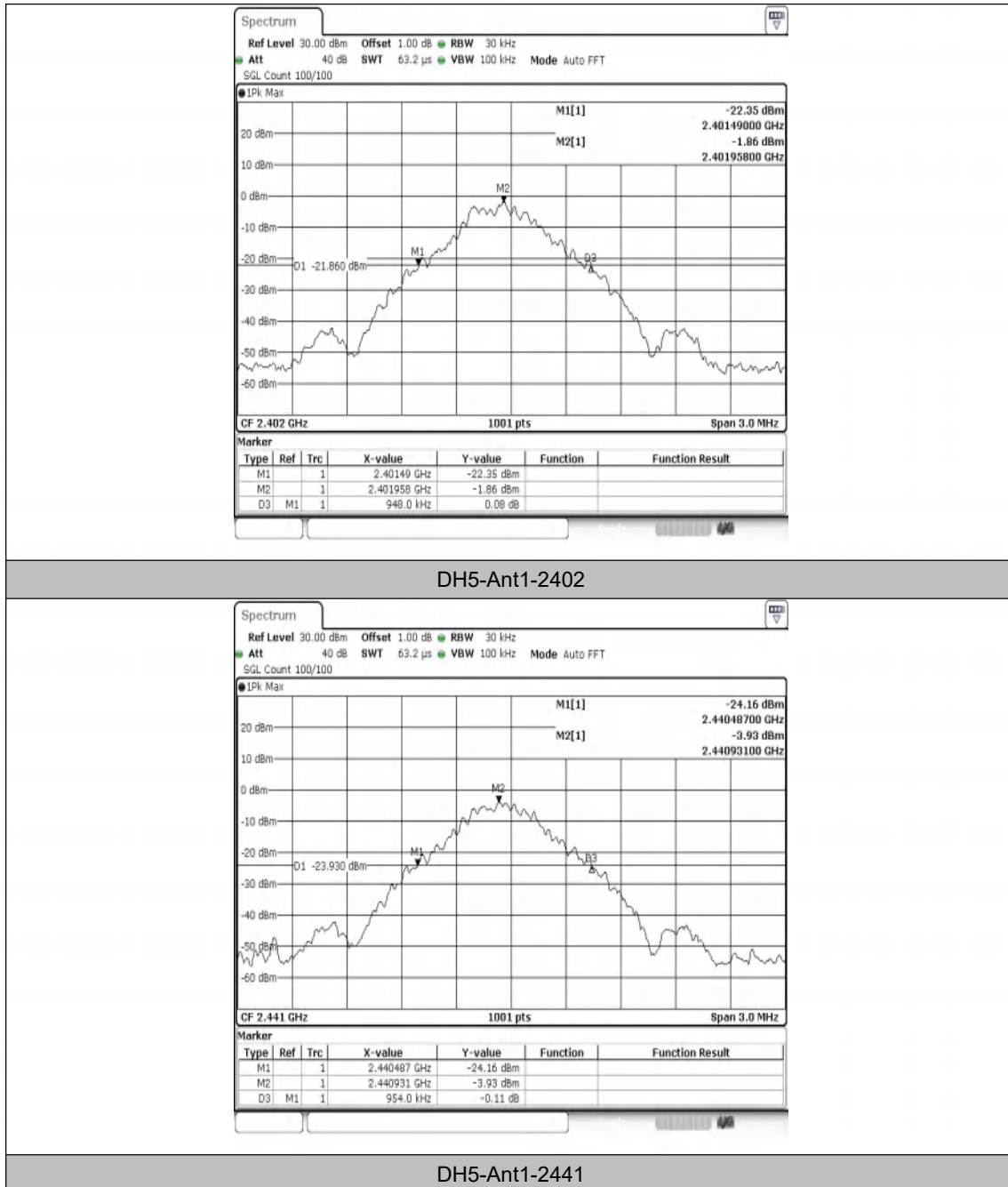


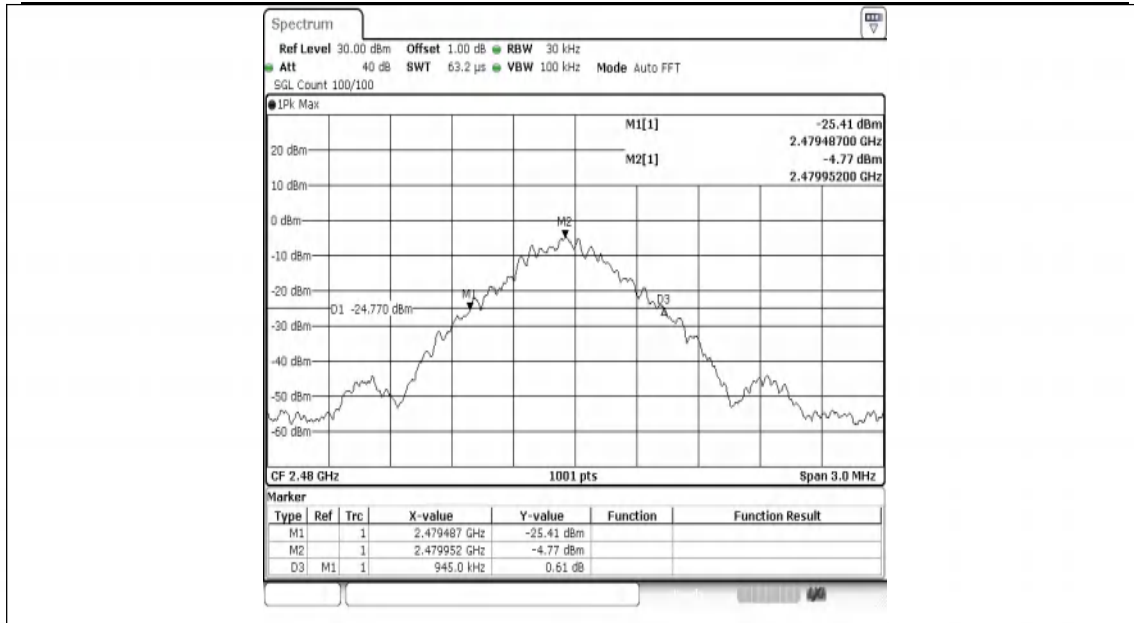
Appendix A: 20dB Bandwidth

Test Result

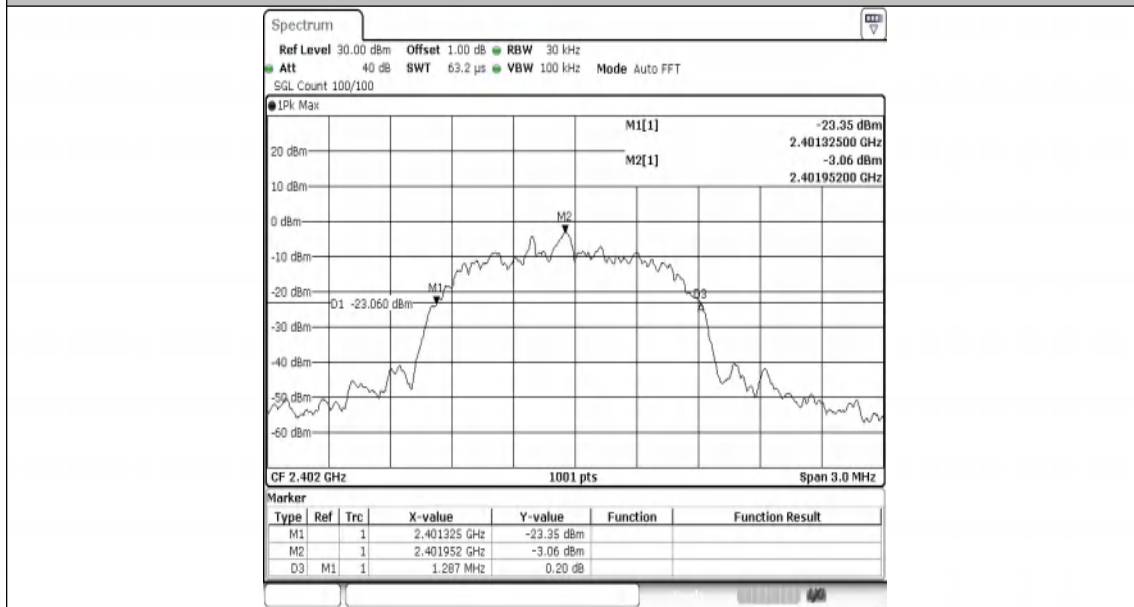
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.49	2402.44	---	---
DH5	Ant1	2441	0.95	2440.49	2441.44	---	---
DH5	Ant1	2480	0.95	2479.49	2480.43	---	---
2DH5	Ant1	2402	1.29	2401.32	2402.61	---	---
2DH5	Ant1	2441	1.29	2440.32	2441.61	---	---
2DH5	Ant1	2480	1.33	2479.29	2480.62	---	---
3DH5	Ant1	2402	1.31	2401.30	2402.61	---	---
3DH5	Ant1	2441	1.26	2440.32	2441.58	---	---
3DH5	Ant1	2480	1.27	2479.32	2480.60	---	---

Test Graphs

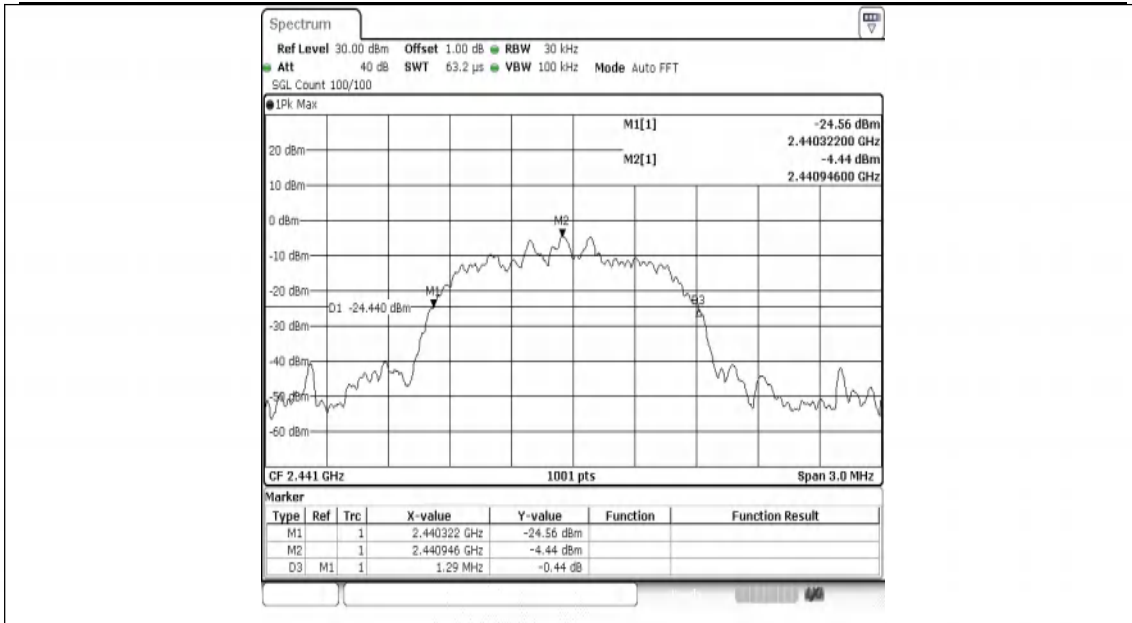




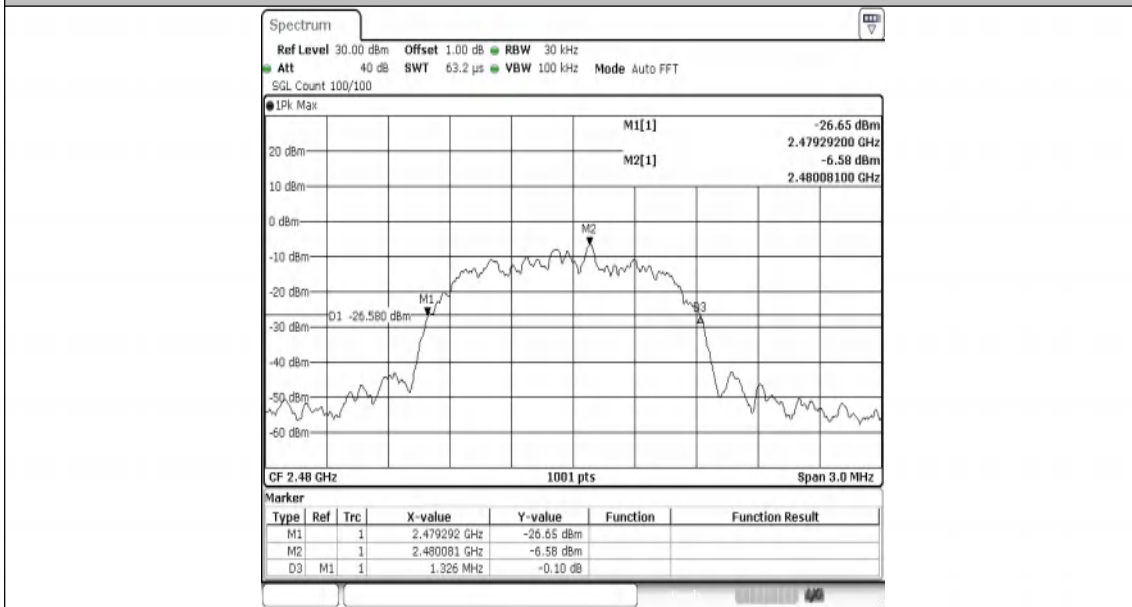
DH5-Ant1-2480



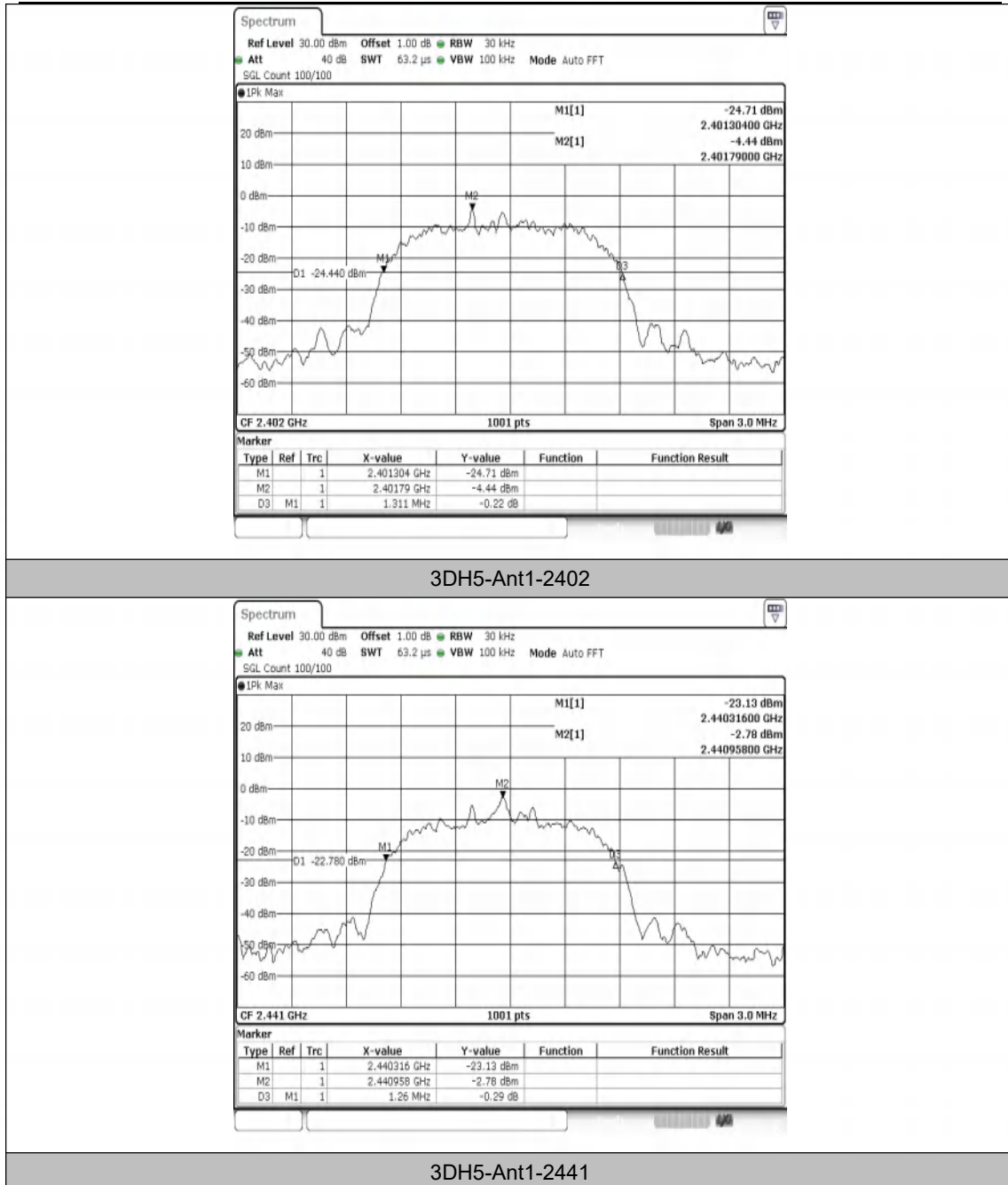
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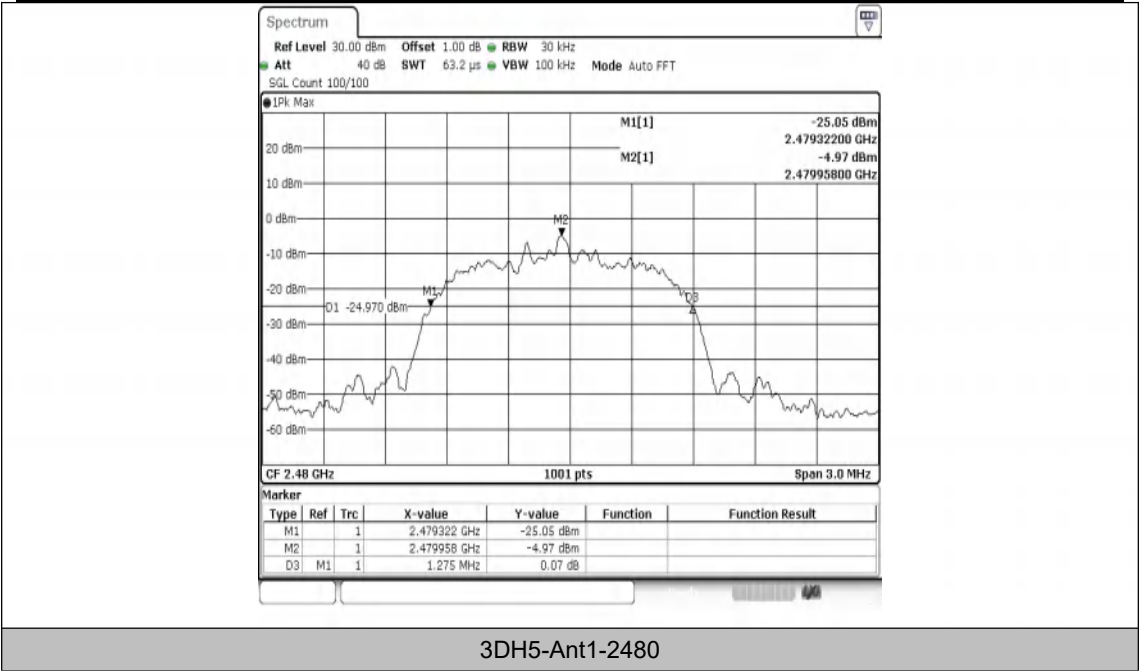


2DH5-Ant1-2441



2DH5-Ant1-2480





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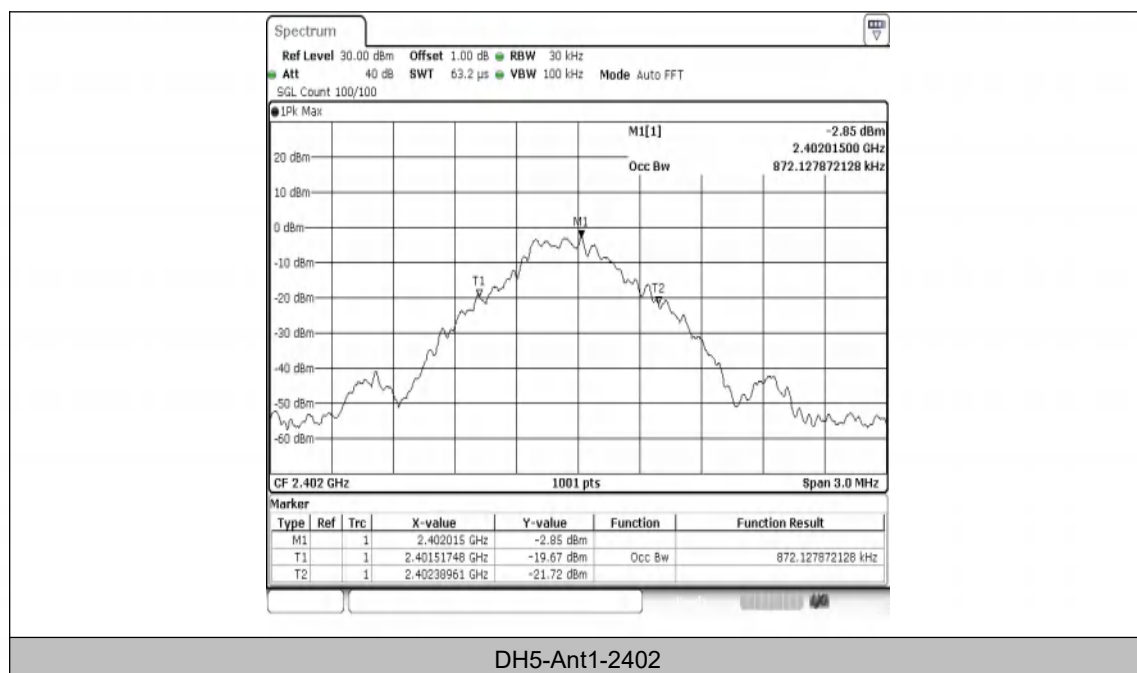
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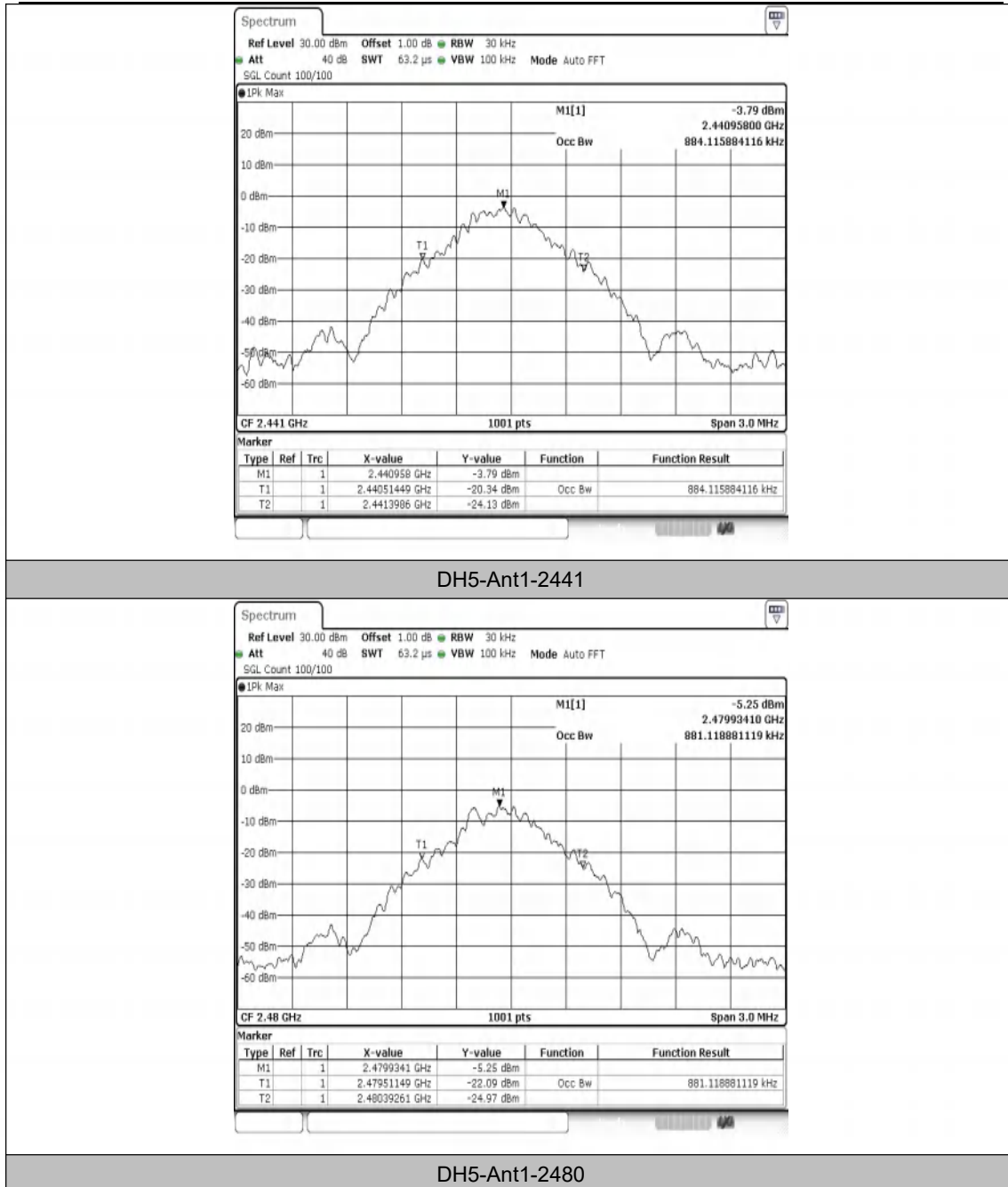
Appendix B: 99% Occupied Bandwidth

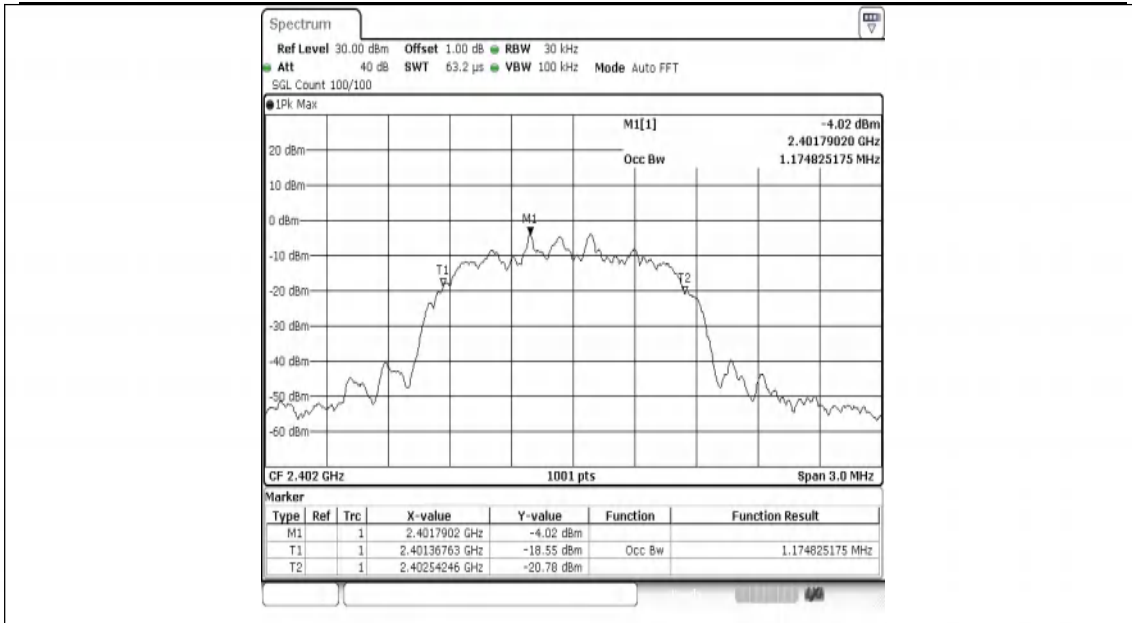
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87213	2401.5175	2402.3896	---	---
DH5	Ant1	2441	0.88412	2440.5145	2441.3986	---	---
DH5	Ant1	2480	0.88112	2479.5115	2480.3926	---	---
2DH5	Ant1	2402	1.1748	2401.3676	2402.5425	---	---
2DH5	Ant1	2441	1.1688	2440.3706	2441.5395	---	---
2DH5	Ant1	2480	1.1838	2479.3616	2480.5455	---	---
3DH5	Ant1	2402	1.1868	2401.3616	2402.5485	---	---
3DH5	Ant1	2441	1.1838	2440.3646	2441.5485	---	---
3DH5	Ant1	2480	1.1868	2479.3646	2480.5514	---	---

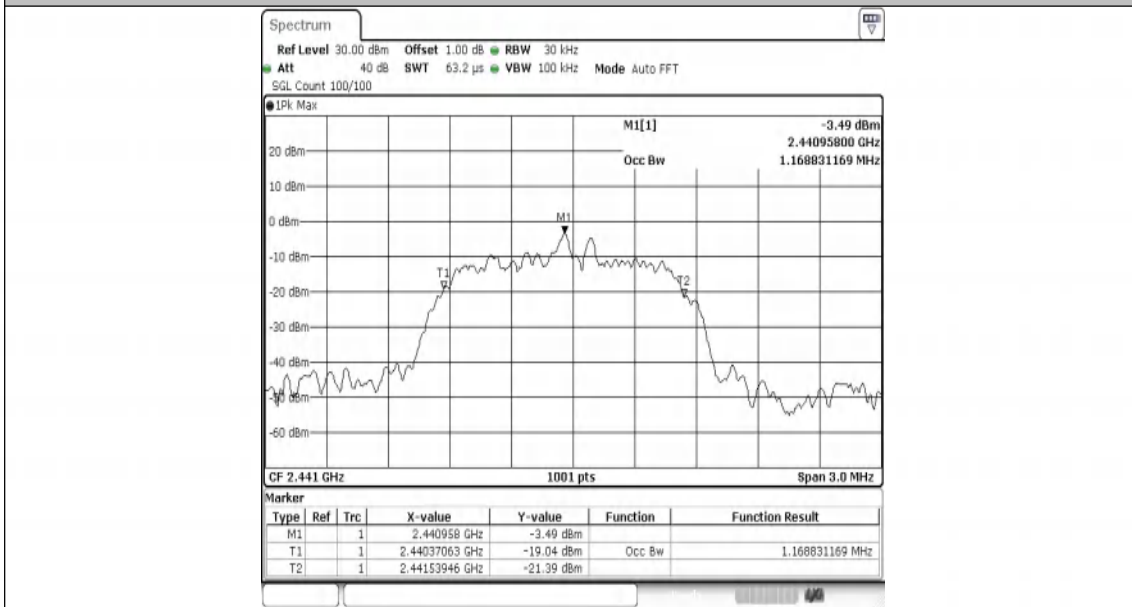
Test Graphs



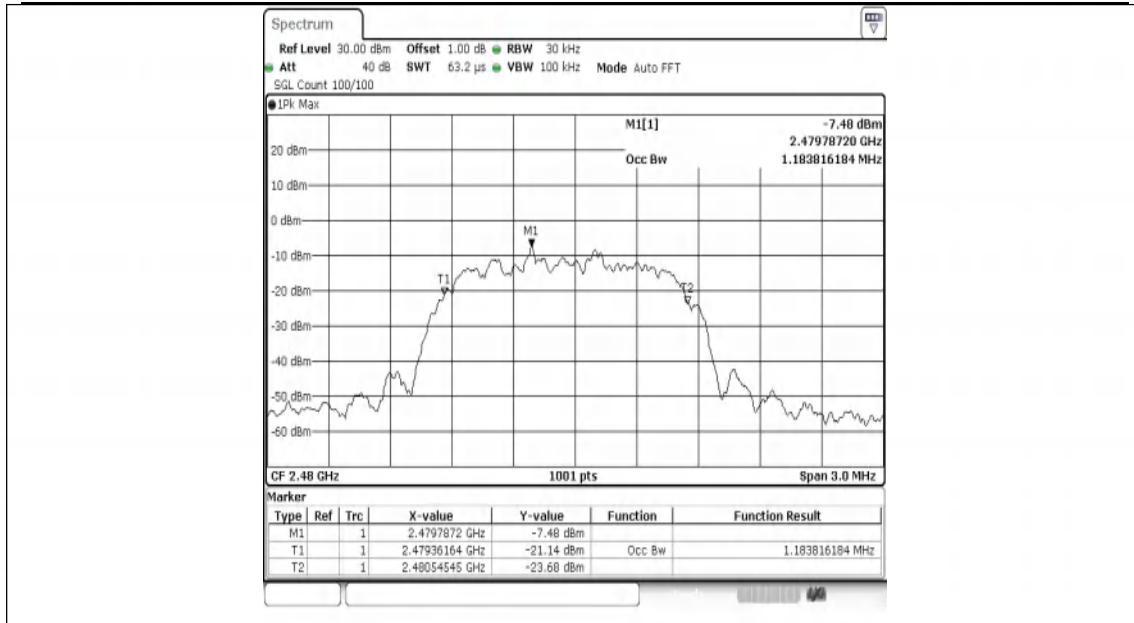




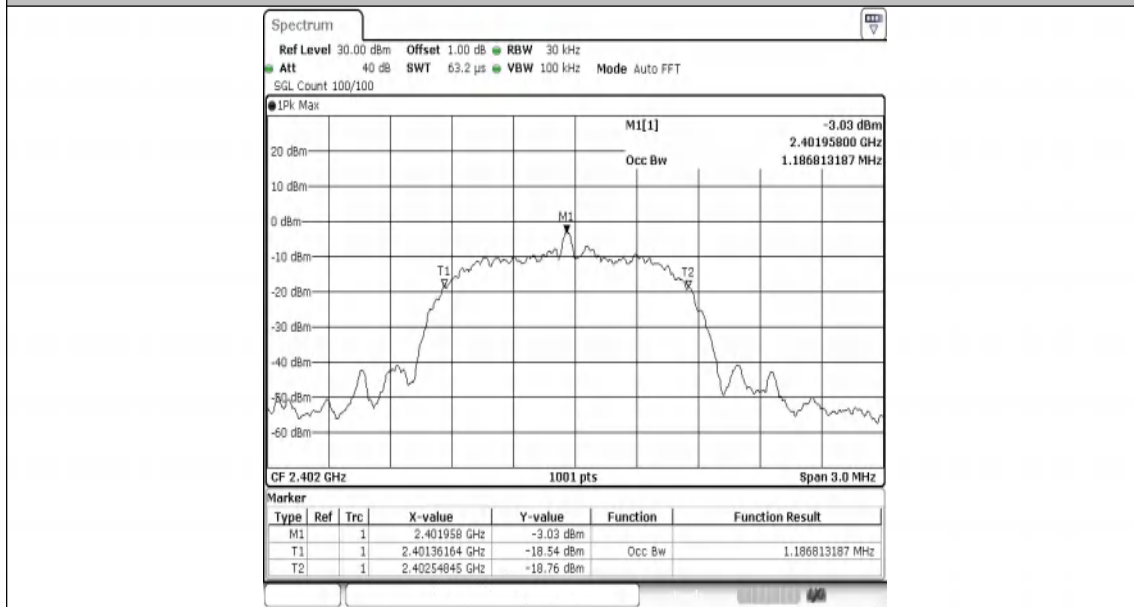
2DH5-Ant1-2402



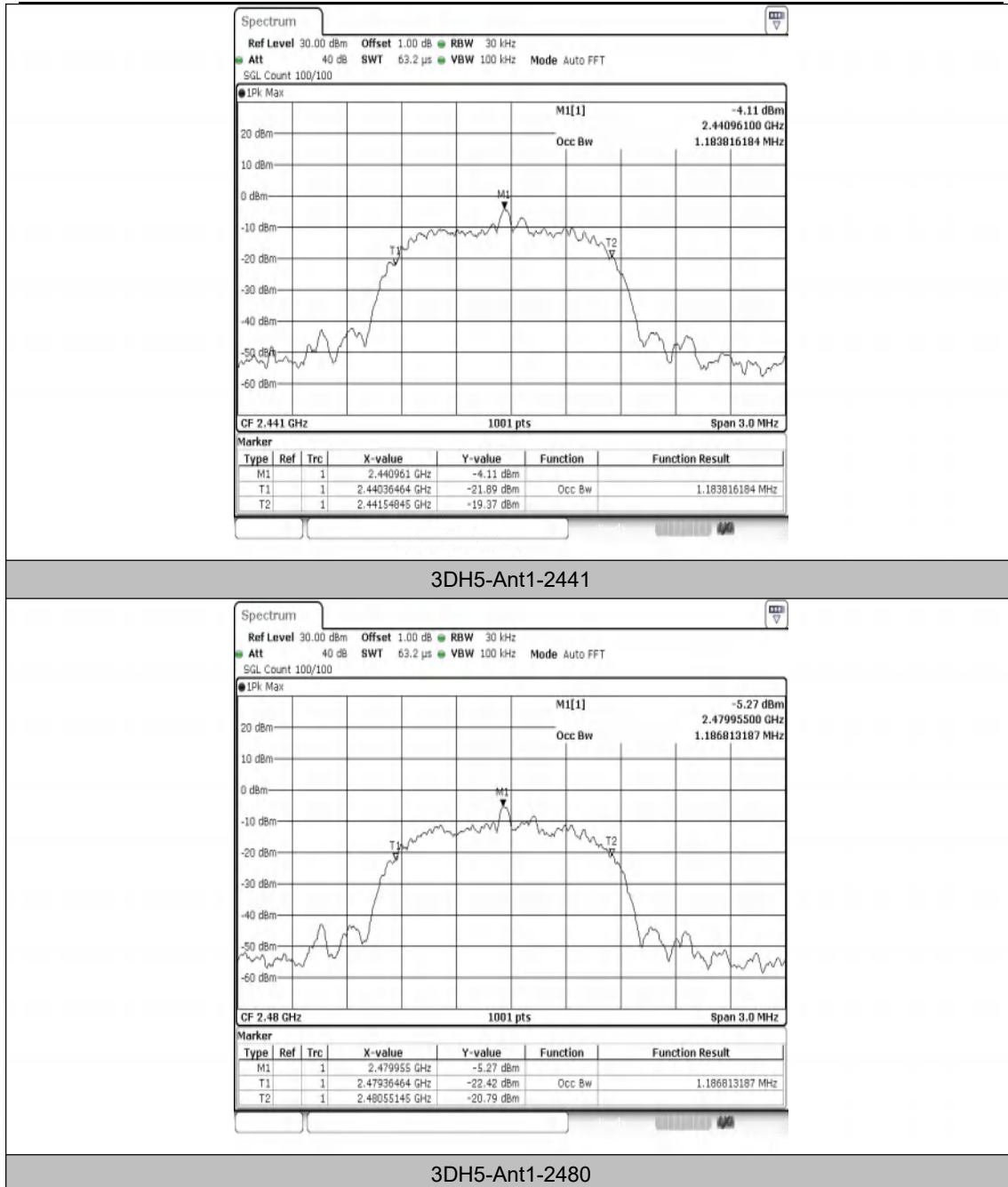
2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402

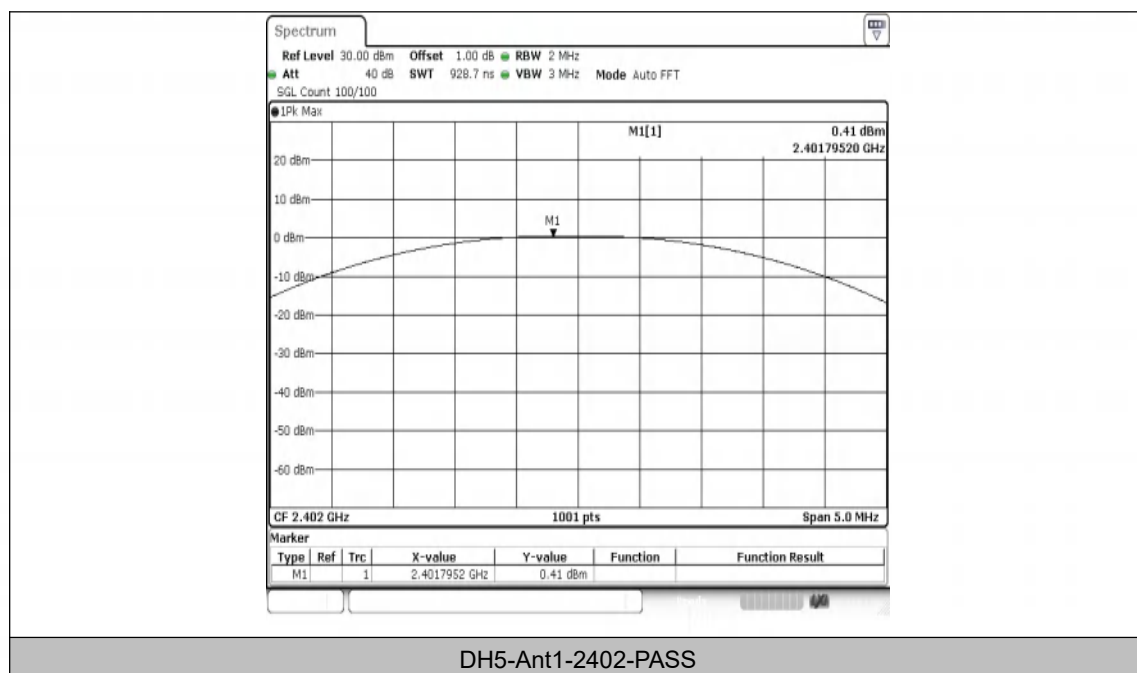


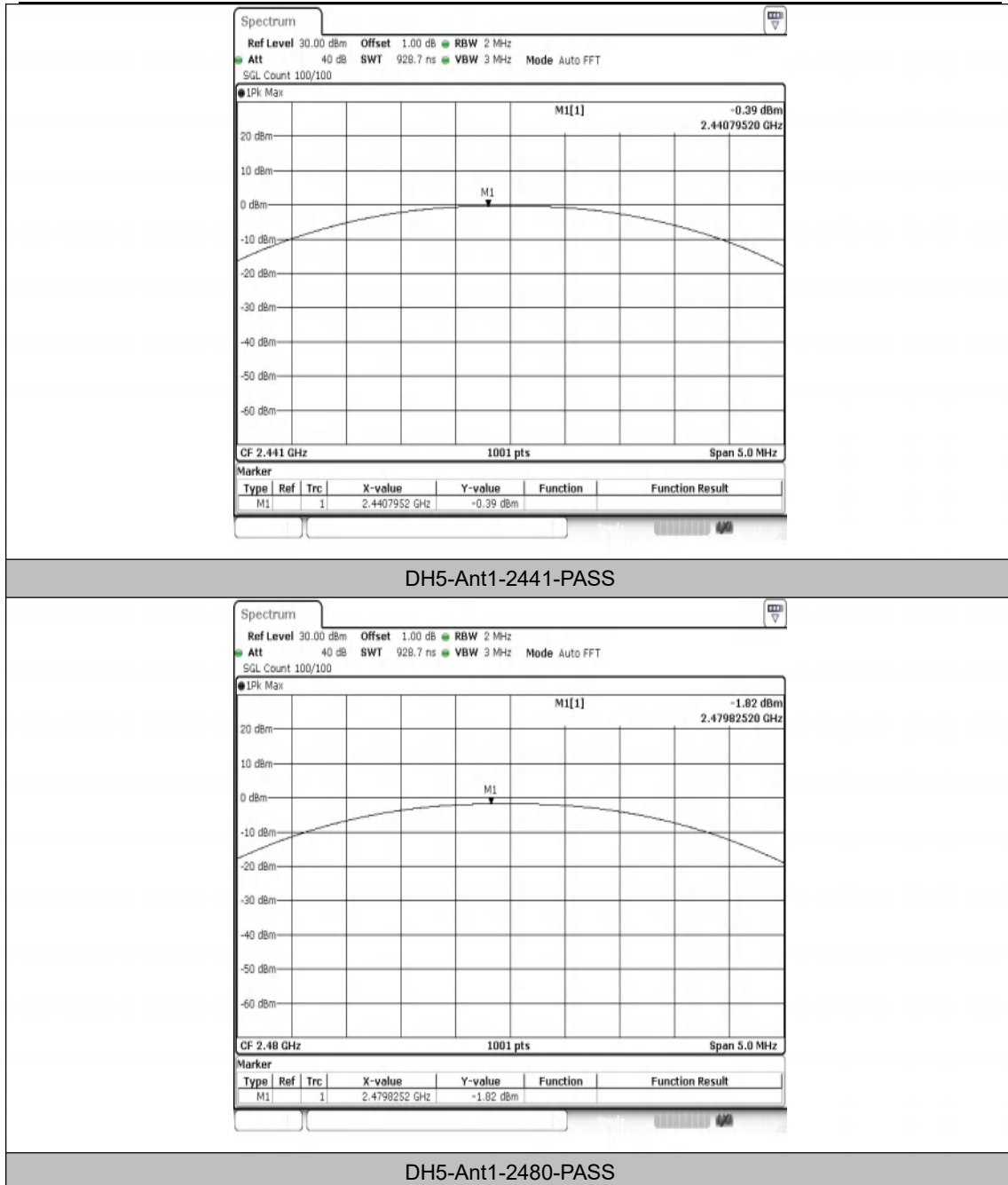
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.41	≤20.97	PASS
DH5	Ant1	2441	-0.39	≤20.97	PASS
DH5	Ant1	2480	-1.82	≤20.97	PASS
2DH5	Ant1	2402	0.58	≤20.97	PASS
2DH5	Ant1	2441	-0.01	≤20.97	PASS
2DH5	Ant1	2480	-1.91	≤20.97	PASS
3DH5	Ant1	2402	0.91	≤20.97	PASS
3DH5	Ant1	2441	-0.05	≤20.97	PASS
3DH5	Ant1	2480	-0.72	≤20.97	PASS

Test Graphs

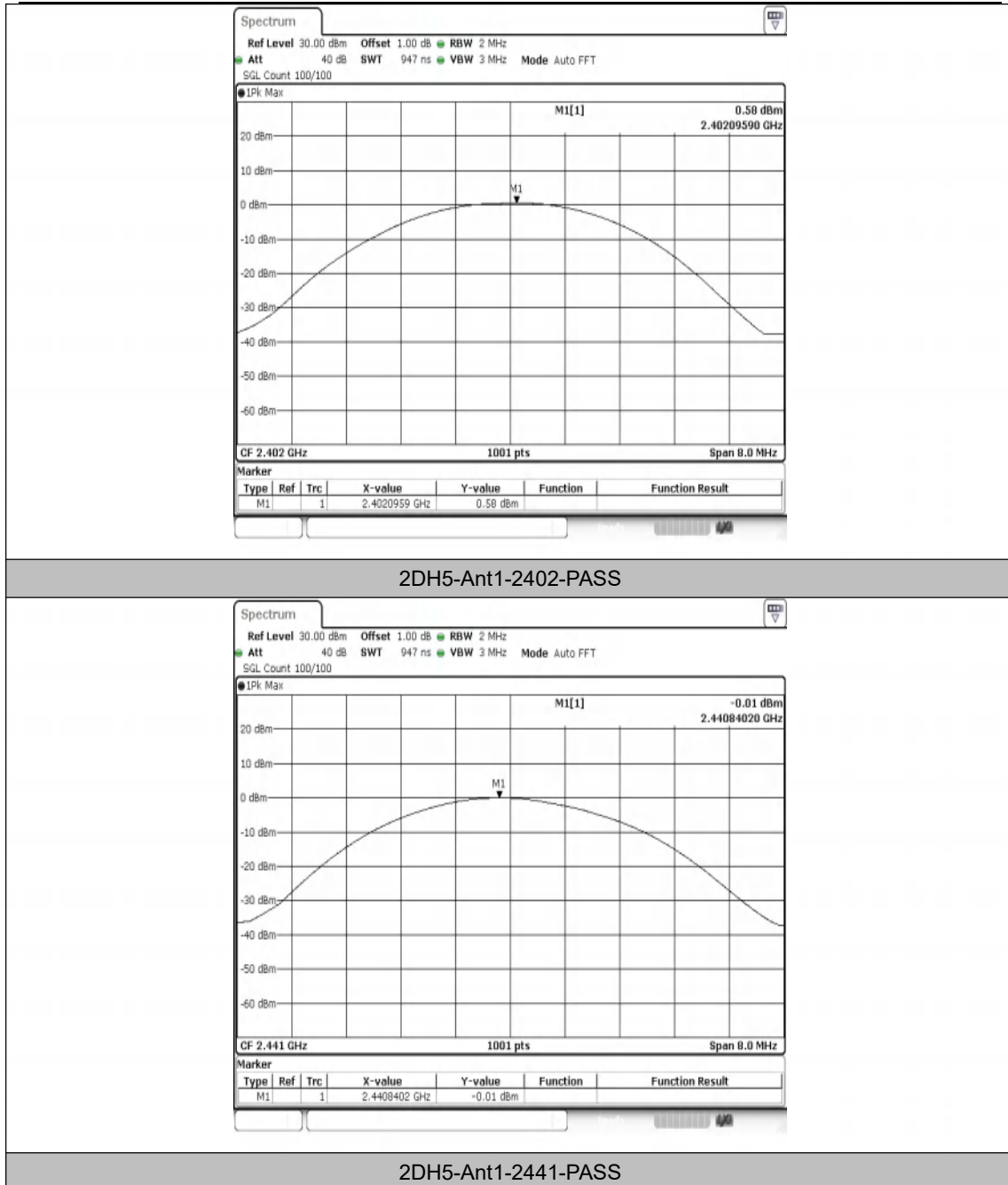




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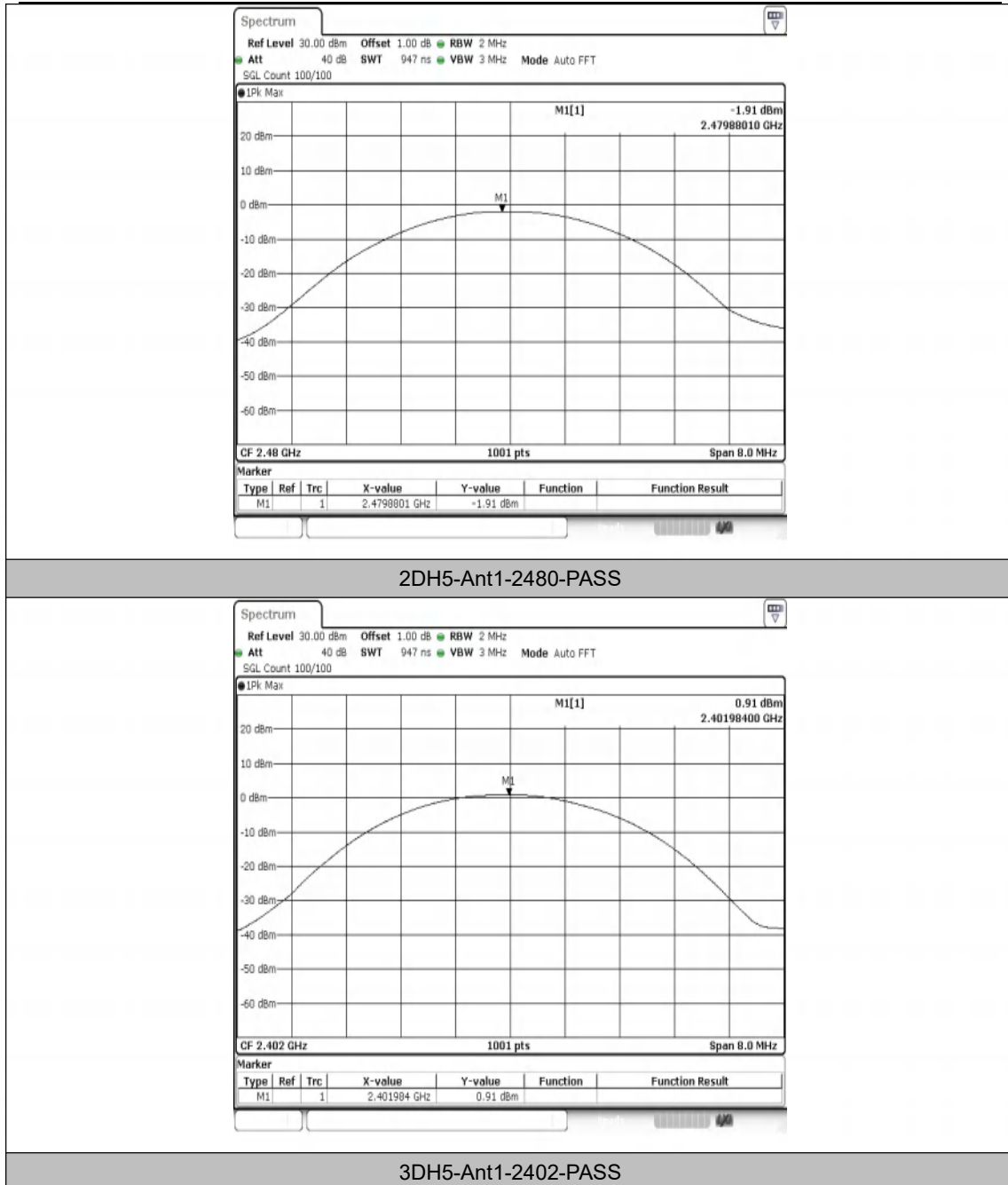
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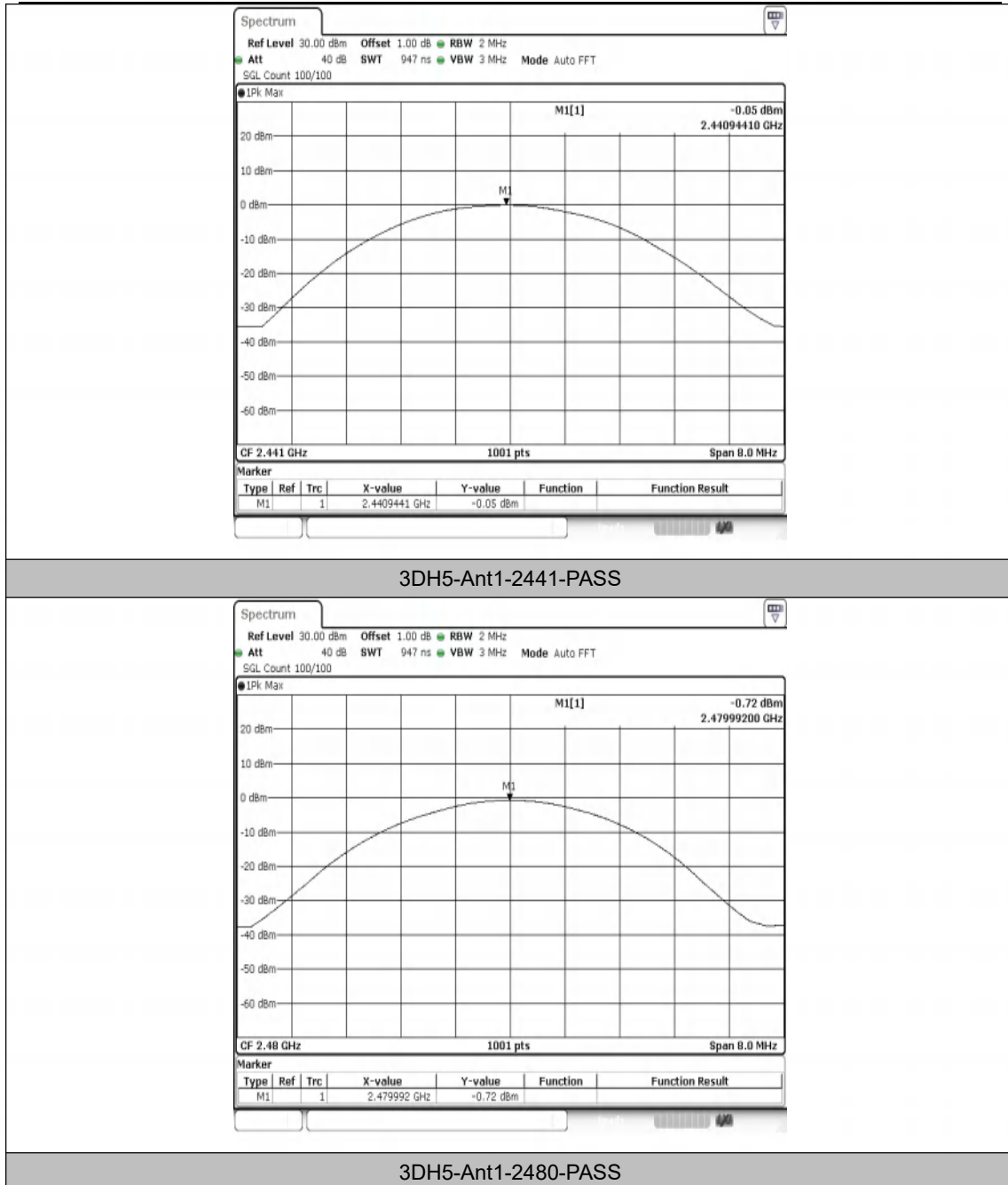


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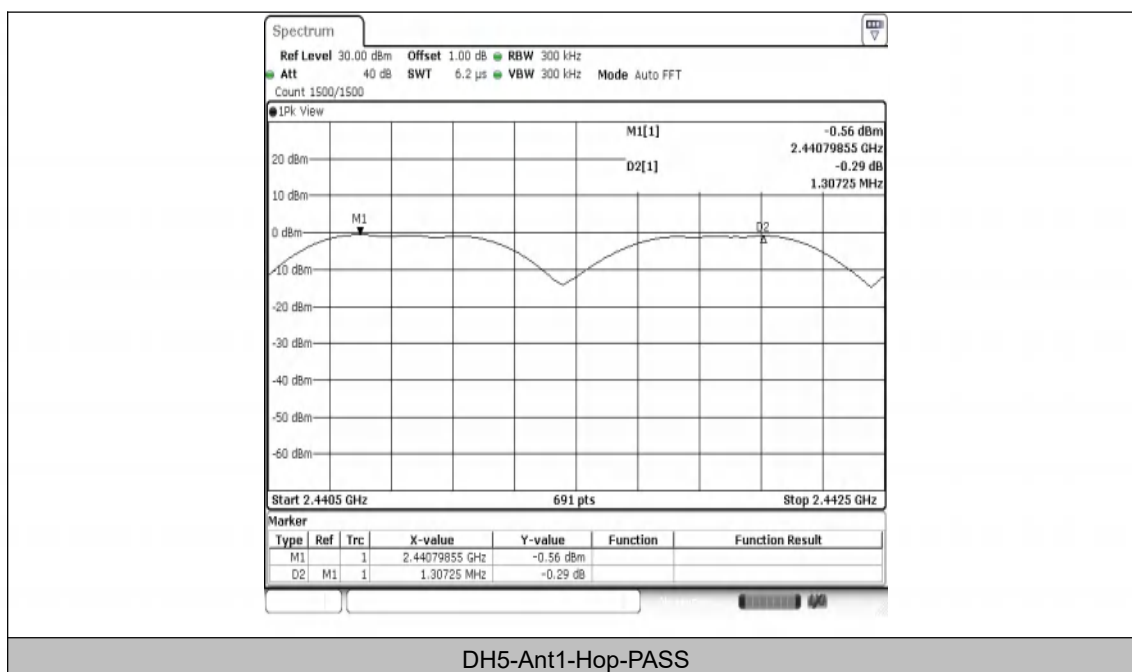


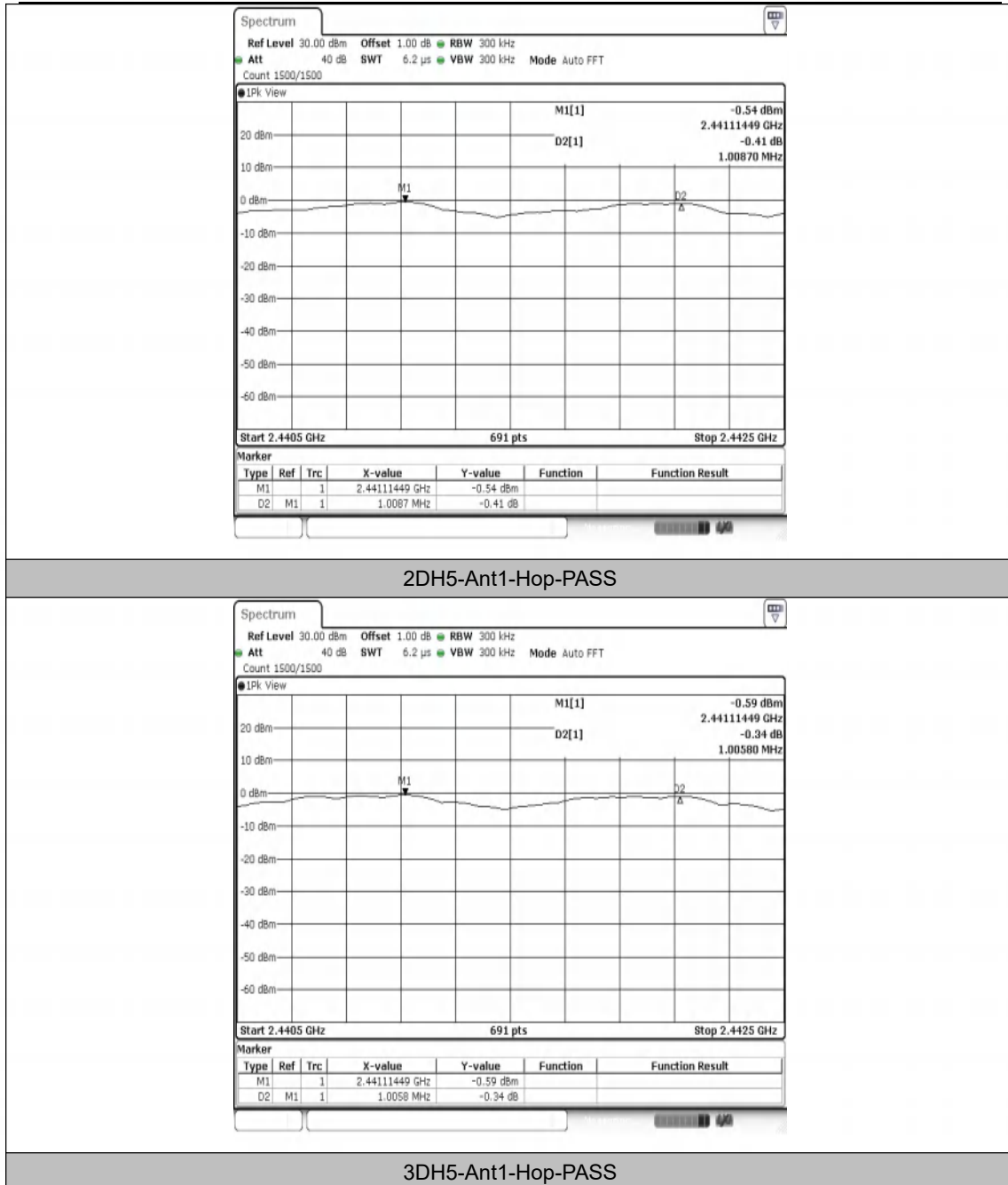
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.307	≥0.950	PASS
2DH5	Ant1	Hop	1.009	≥0.887	PASS
3DH5	Ant1	Hop	1.006	≥0.873	PASS

Test Graphs



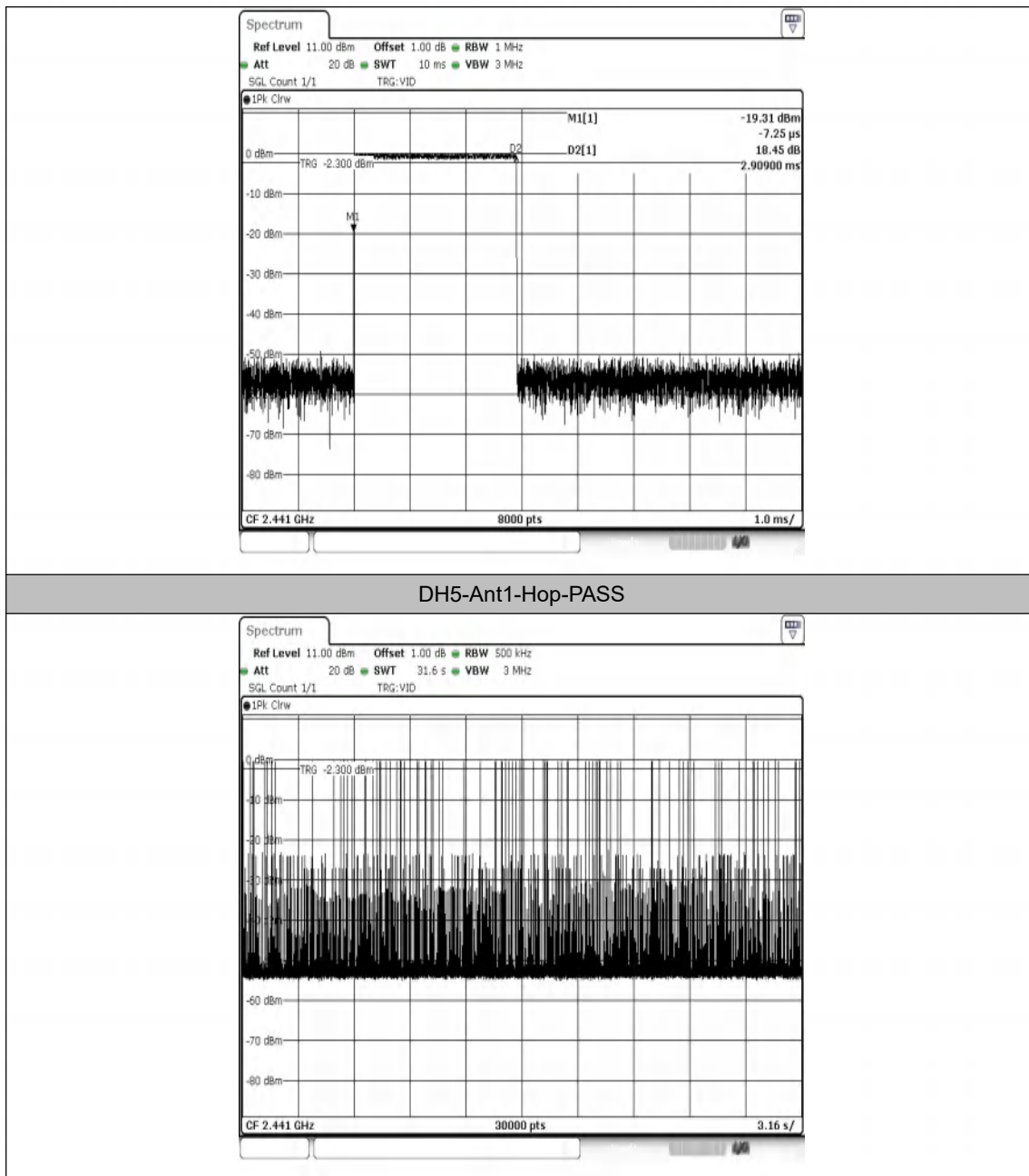


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.909	91	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.915	107	0.312	≤0.4	PASS
3DH5	Ant1	Hop	2.919	113	0.33	≤0.4	PASS

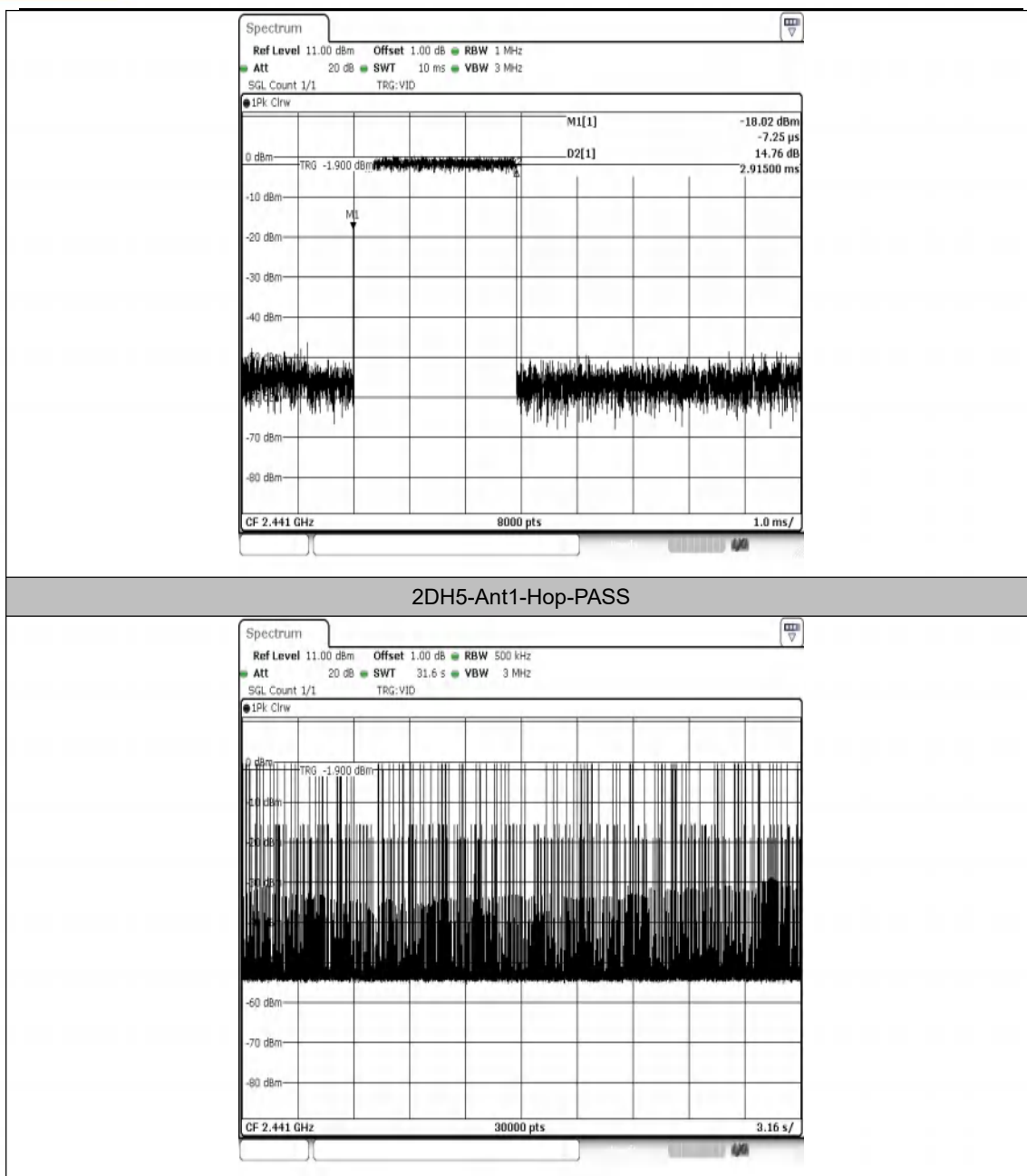
Test Graphs



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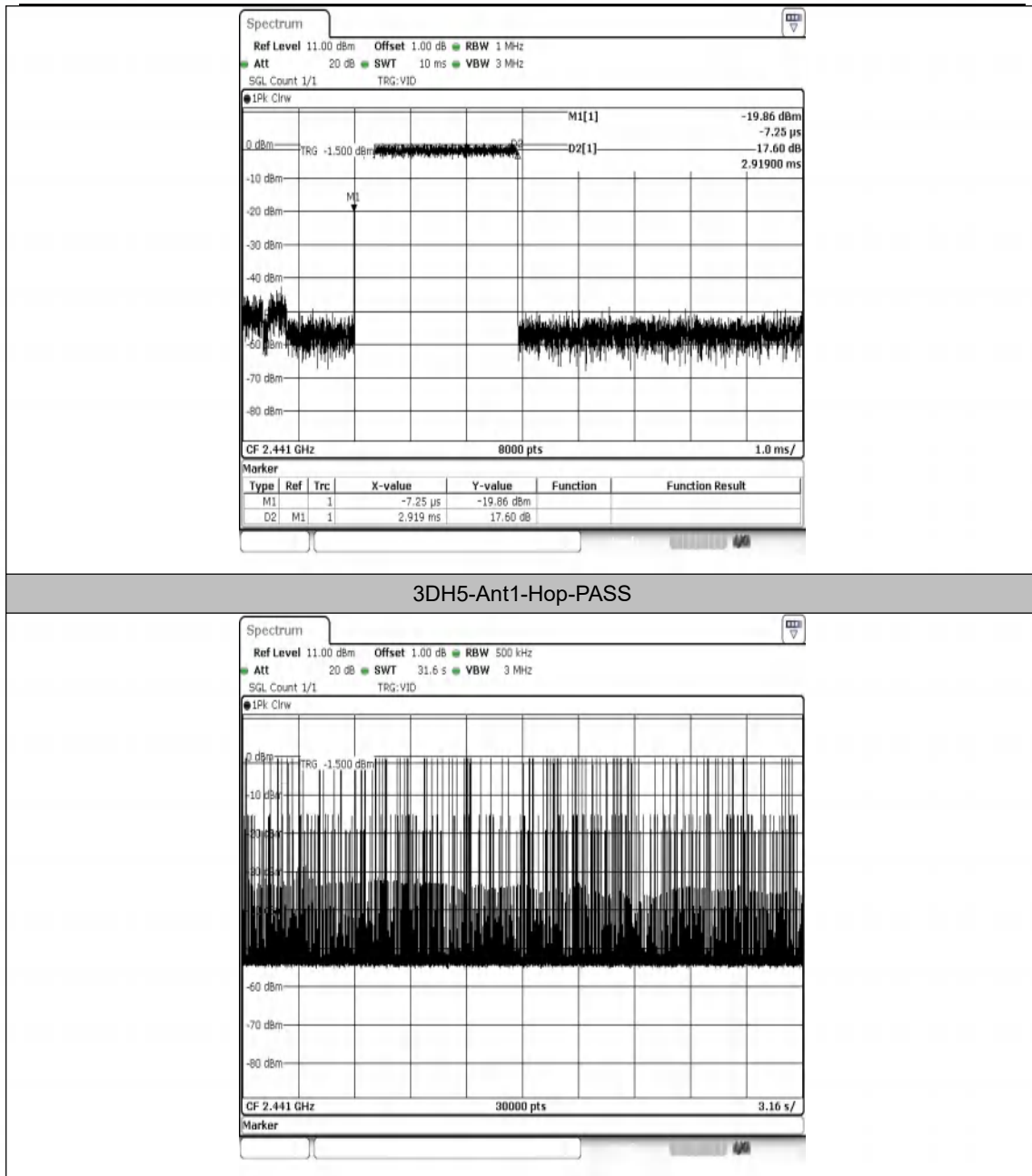
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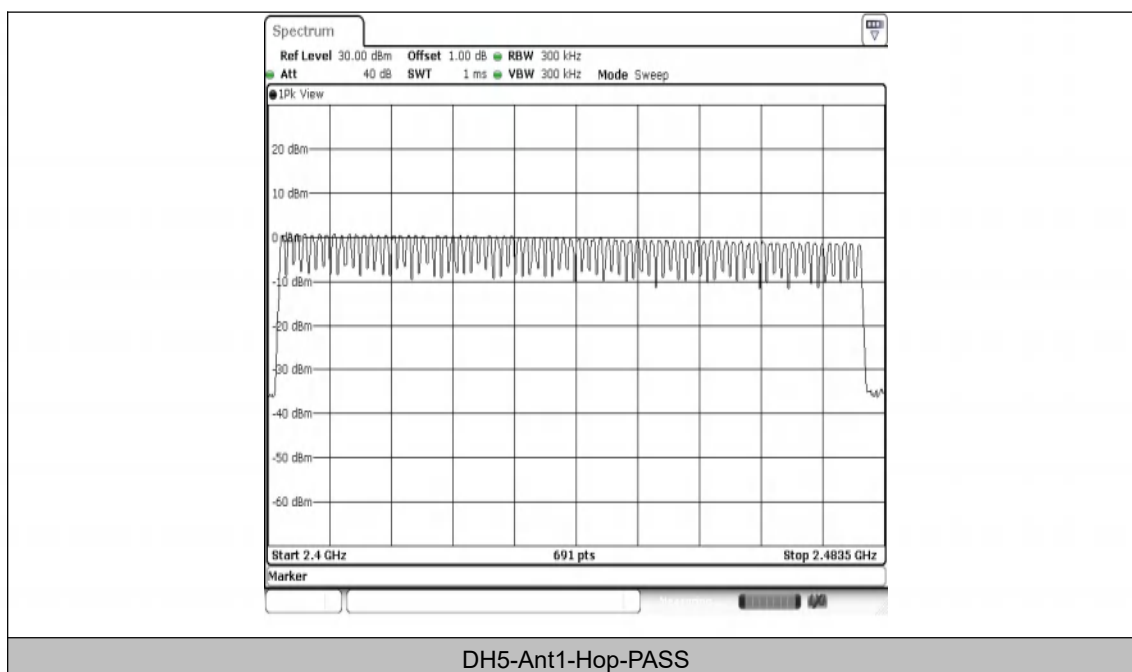
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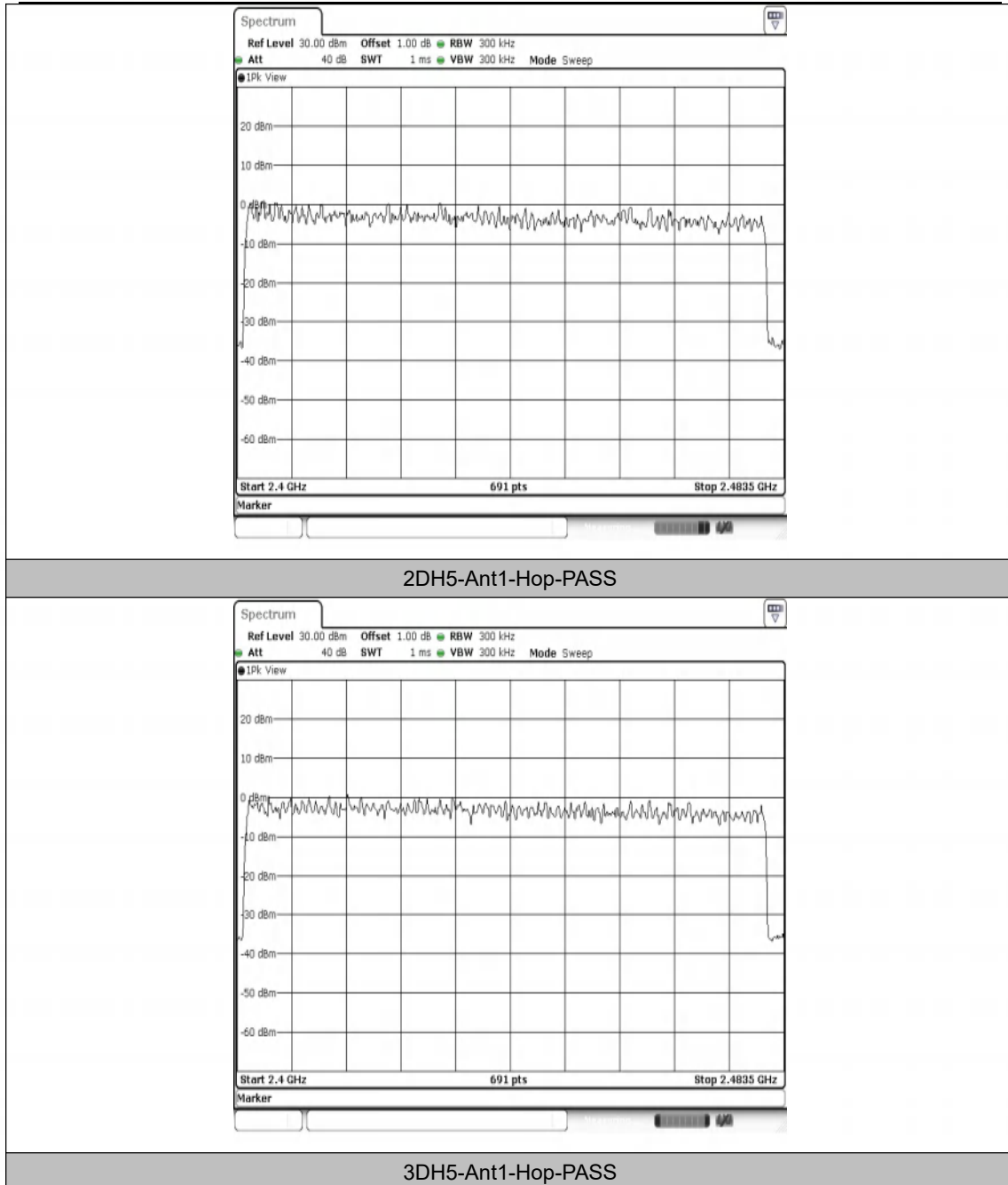
Appendix F: Number of Hopping Channel

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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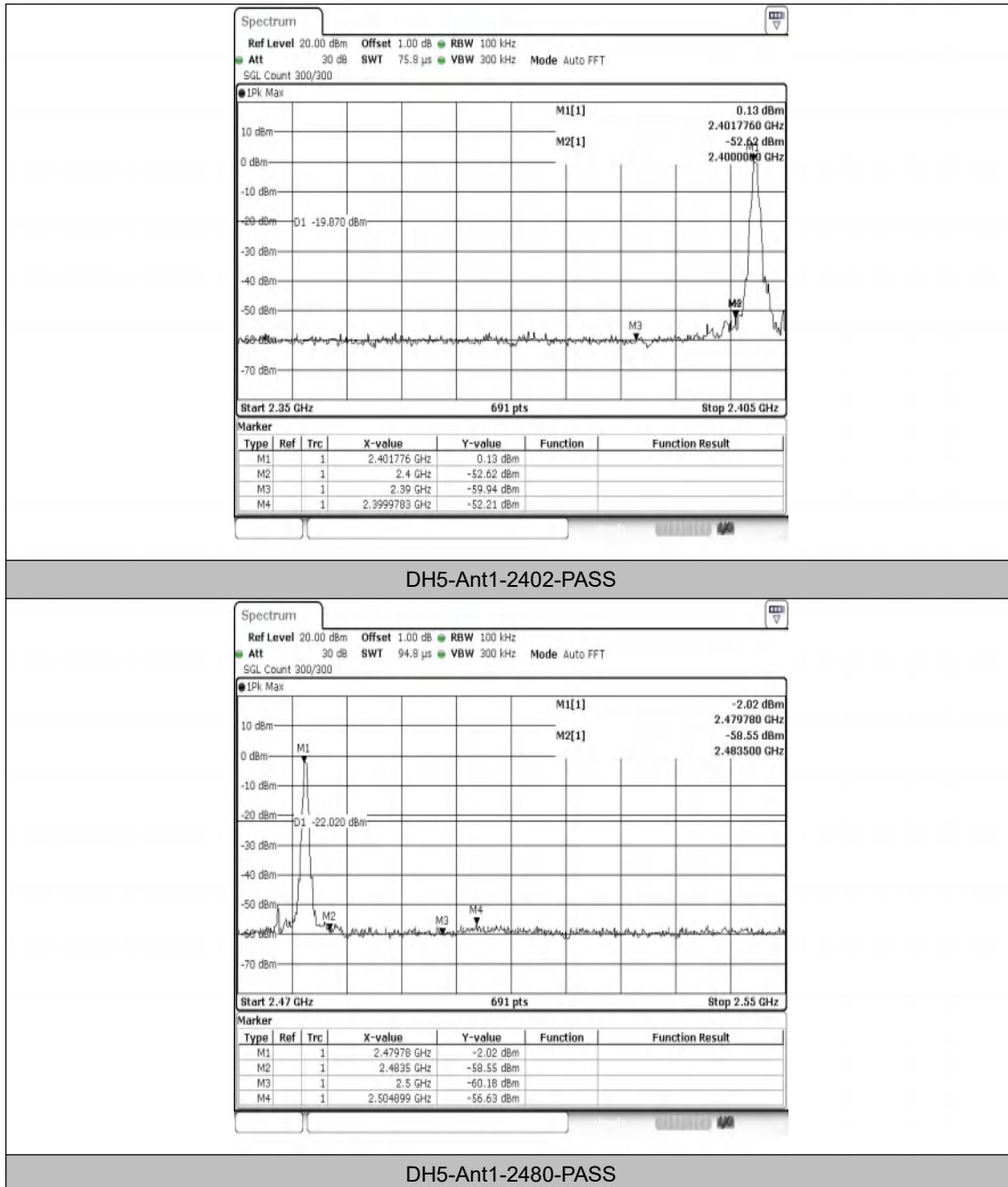
Appendix G: Conducted Band edge

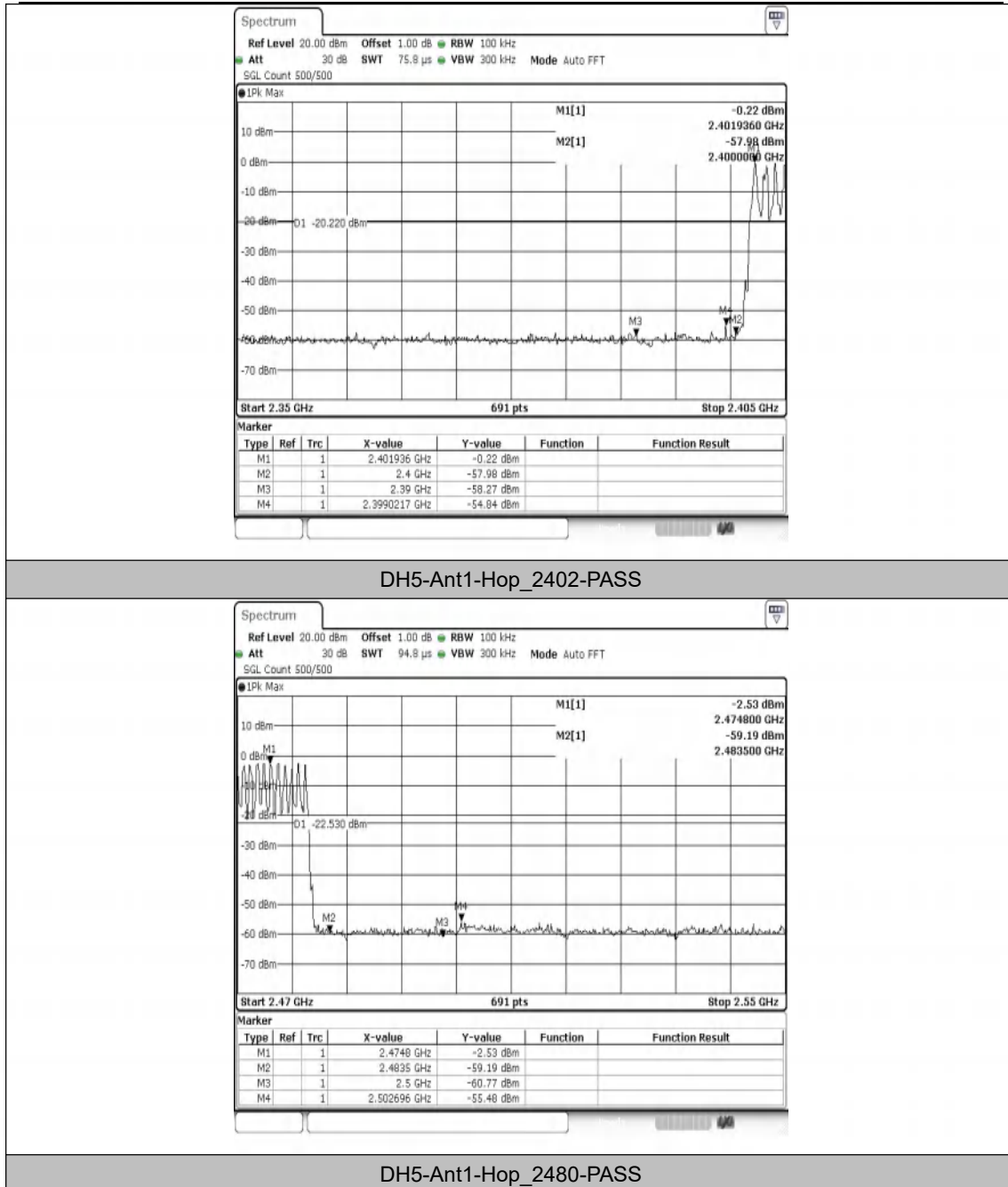
Test Result

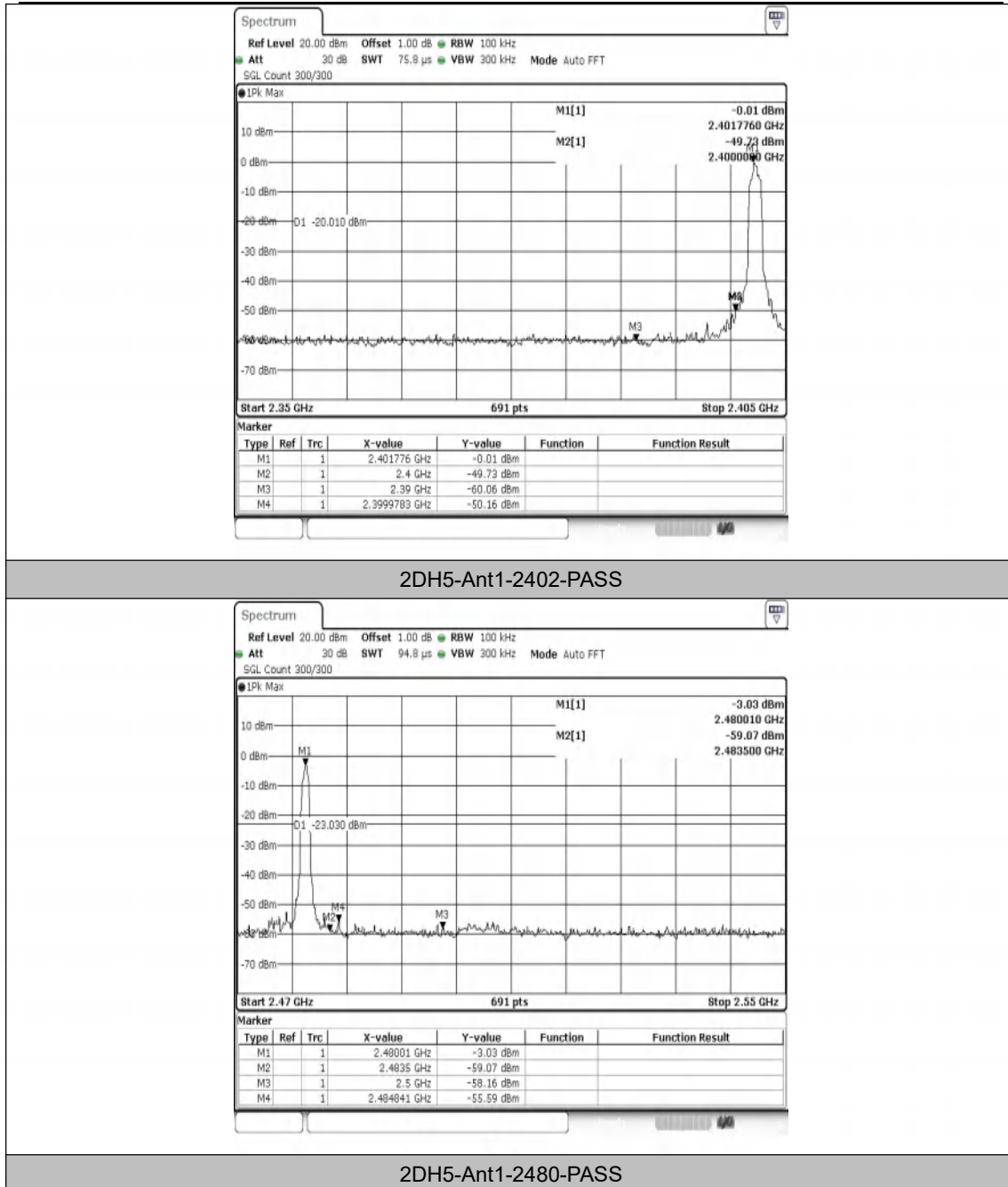
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.13	-52.21	≤-19.87	PASS
DH5	Ant1	High	2480	-2.02	-56.63	≤-22.02	PASS
DH5	Ant1	Low	Hop_2402	-0.22	-54.84	≤-20.22	PASS
DH5	Ant1	High	Hop_2480	-2.53	-55.48	≤-22.53	PASS
2DH5	Ant1	Low	2402	-0.01	-50.16	≤-20.01	PASS
2DH5	Ant1	High	2480	-3.03	-55.59	≤-23.03	PASS
2DH5	Ant1	Low	Hop_2402	-1.03	-56.16	≤-21.03	PASS
2DH5	Ant1	High	Hop_2480	-2.44	-56.19	≤-22.44	PASS
3DH5	Ant1	Low	2402	-0.11	-53.14	≤-20.11	PASS
3DH5	Ant1	High	2480	-2.16	-55.3	≤-22.16	PASS
3DH5	Ant1	Low	Hop_2402	-1.77	-55.83	≤-21.77	PASS
3DH5	Ant1	High	Hop_2480	-5.92	-56.12	≤-25.92	PASS

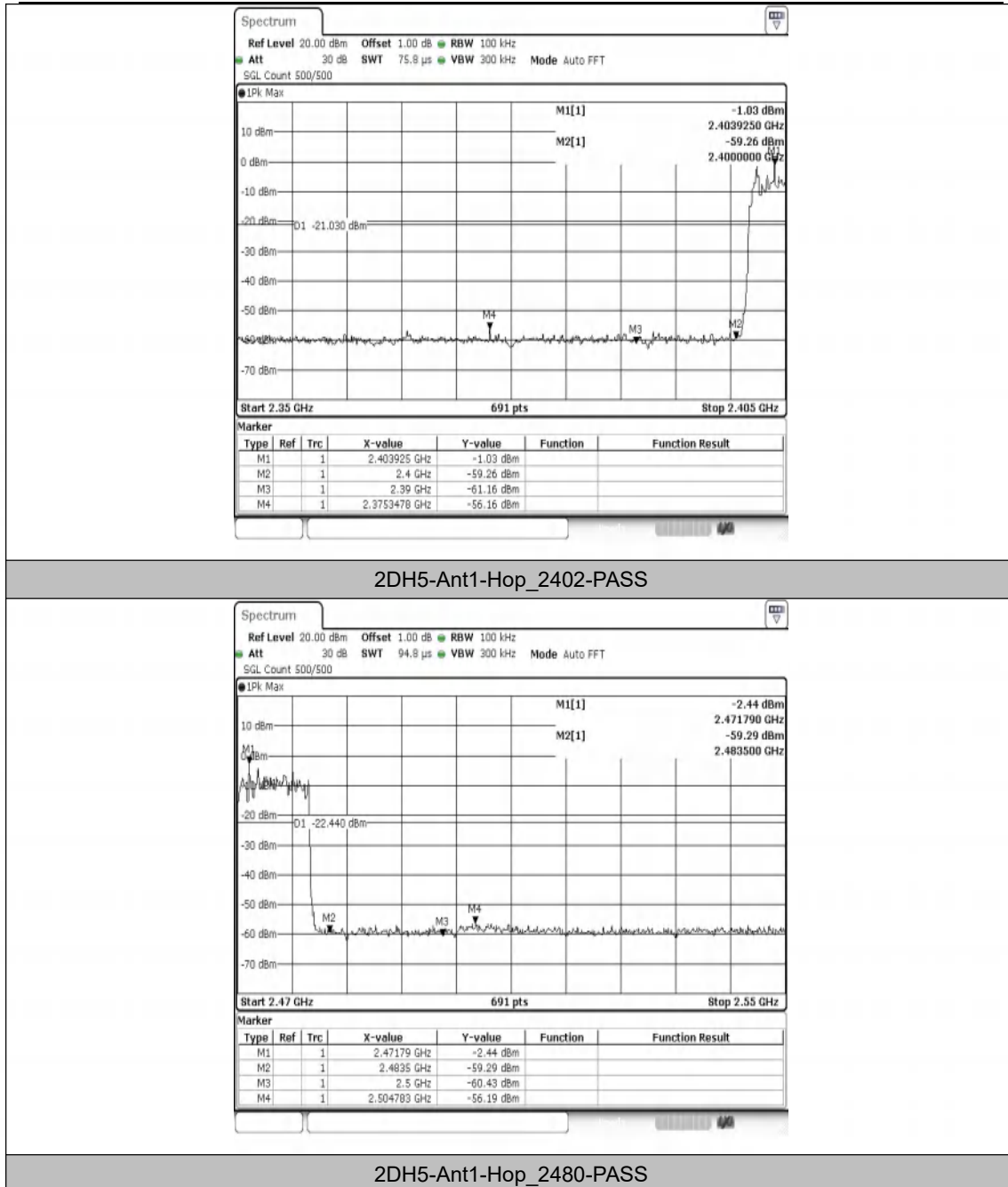
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

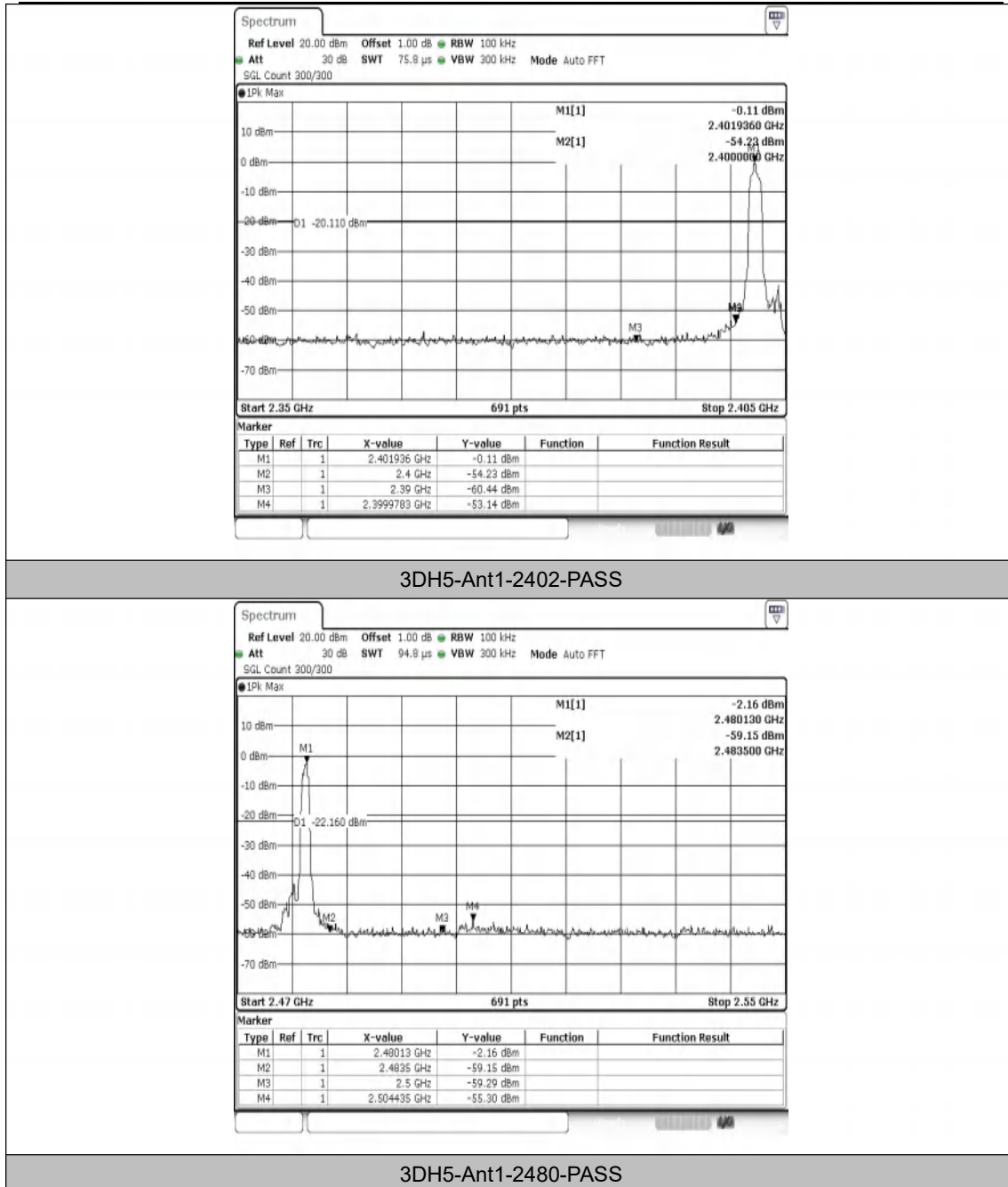
Test Graphs

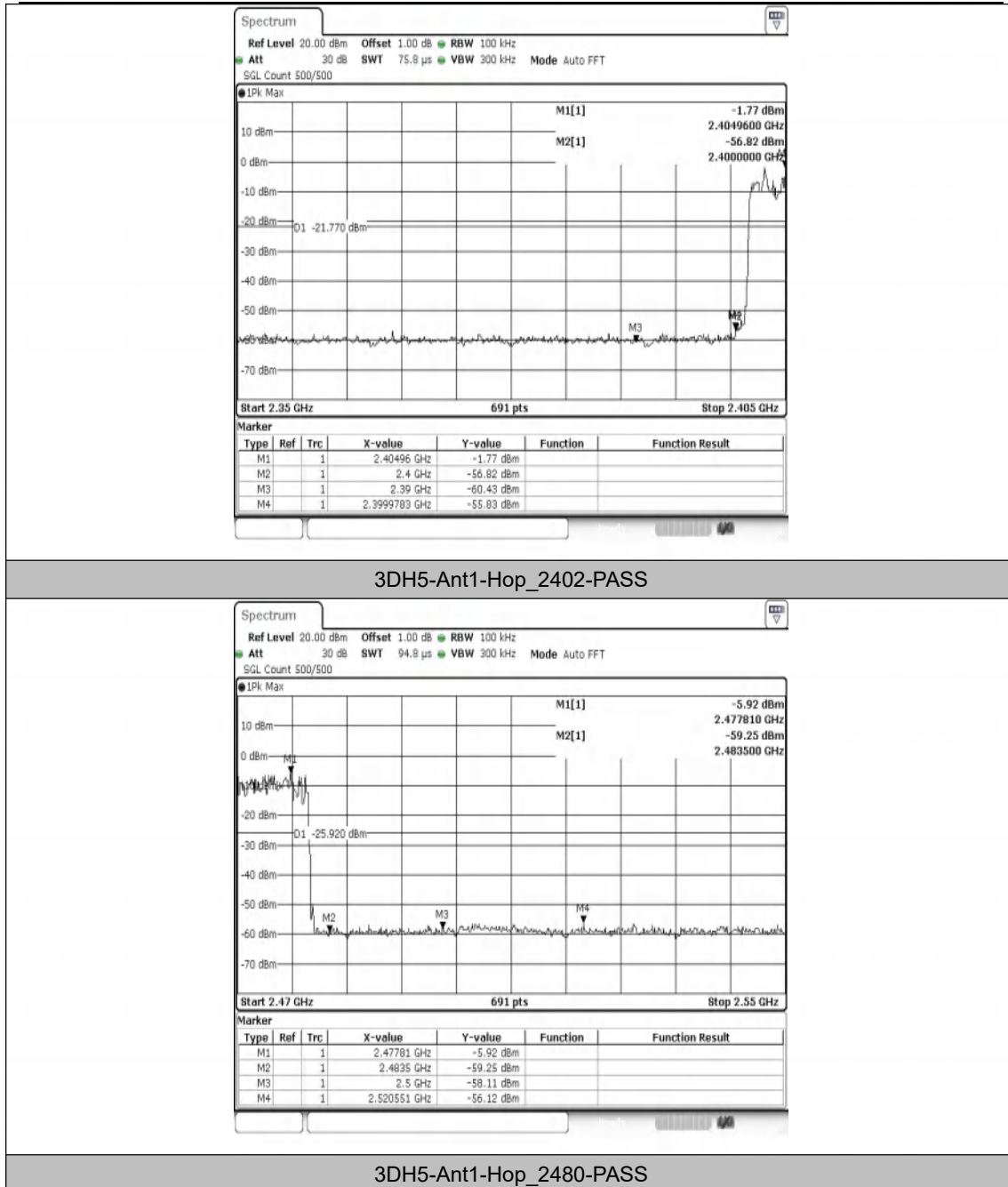












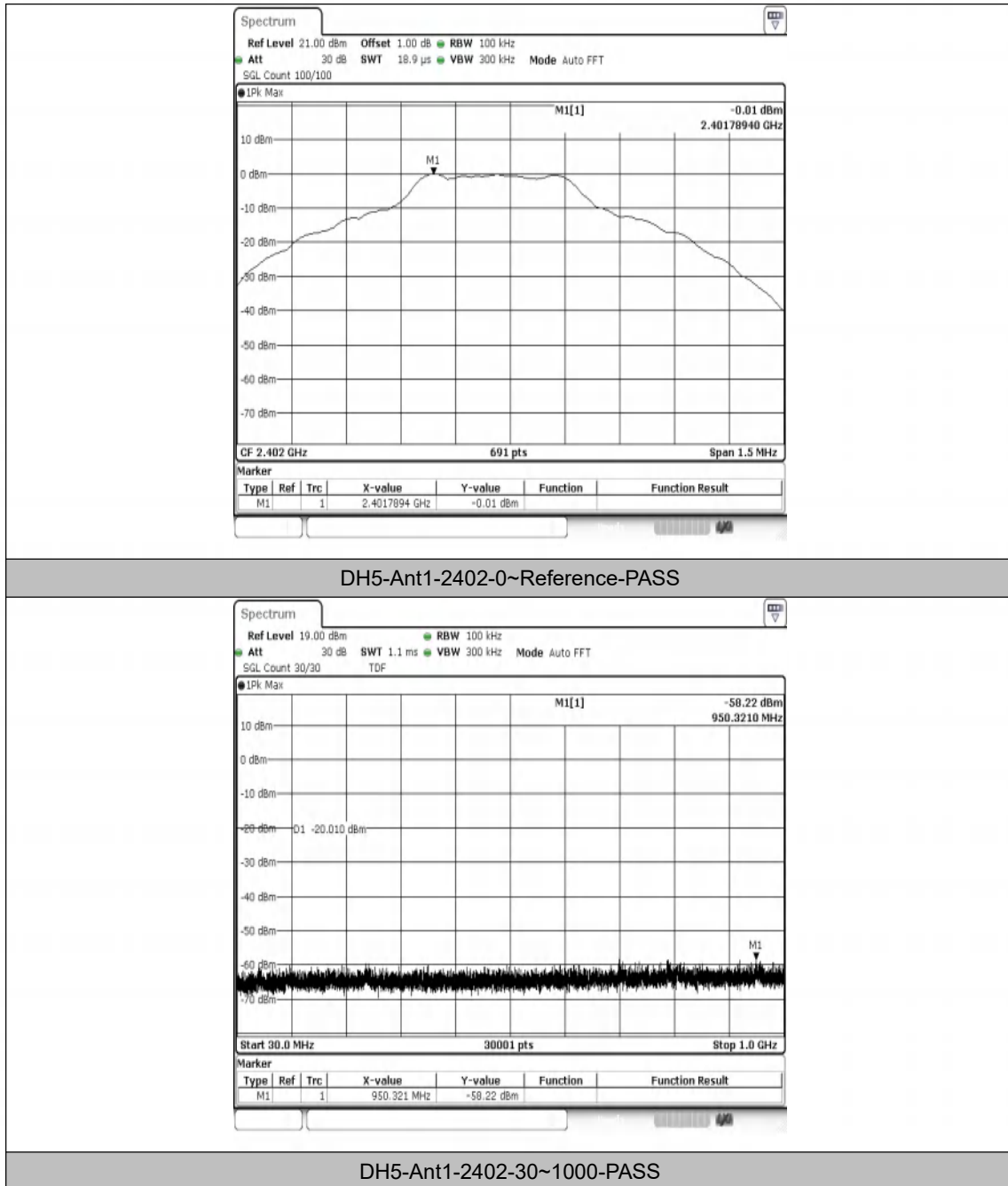
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.01	-0.01	---	PASS
DH5	Ant1	2402	30~1000	-0.01	-58.22	≤-20.01	PASS
DH5	Ant1	2402	1000~26500	-0.01	-43.51	≤-20.01	PASS
DH5	Ant1	2441	0~Reference	-0.89	-0.89	---	PASS
DH5	Ant1	2441	30~1000	-0.89	-59.03	≤-20.89	PASS
DH5	Ant1	2441	1000~26500	-0.89	-43.51	≤-20.89	PASS
DH5	Ant1	2480	0~Reference	-2.47	-2.47	---	PASS
DH5	Ant1	2480	30~1000	-2.47	-57.77	≤-22.47	PASS
DH5	Ant1	2480	1000~26500	-2.47	-44.21	≤-22.47	PASS
2DH5	Ant1	2402	0~Reference	-1.53	-1.53	---	PASS
2DH5	Ant1	2402	30~1000	-1.53	-58.02	≤-21.53	PASS
2DH5	Ant1	2402	1000~26500	-1.53	-44.38	≤-21.53	PASS
2DH5	Ant1	2441	0~Reference	-0.95	-0.95	---	PASS
2DH5	Ant1	2441	30~1000	-0.95	-58.27	≤-20.95	PASS
2DH5	Ant1	2441	1000~26500	-0.95	-43.86	≤-20.95	PASS
2DH5	Ant1	2480	0~Reference	-4.03	-4.03	---	PASS
2DH5	Ant1	2480	30~1000	-4.03	-57.41	≤-24.03	PASS
2DH5	Ant1	2480	1000~26500	-4.03	-44.44	≤-24.03	PASS
3DH5	Ant1	2402	0~Reference	-0.23	-0.23	---	PASS
3DH5	Ant1	2402	30~1000	-0.23	-57.95	≤-20.23	PASS
3DH5	Ant1	2402	1000~26500	-0.23	-44.61	≤-20.23	PASS
3DH5	Ant1	2441	0~Reference	-0.96	-0.96	---	PASS
3DH5	Ant1	2441	30~1000	-0.96	-58.37	≤-20.96	PASS
3DH5	Ant1	2441	1000~26500	-0.96	-43.88	≤-20.96	PASS
3DH5	Ant1	2480	0~Reference	-2.35	-2.35	---	PASS
3DH5	Ant1	2480	30~1000	-2.35	-58.51	≤-22.35	PASS
3DH5	Ant1	2480	1000~26500	-2.35	-43.69	≤-22.35	PASS

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

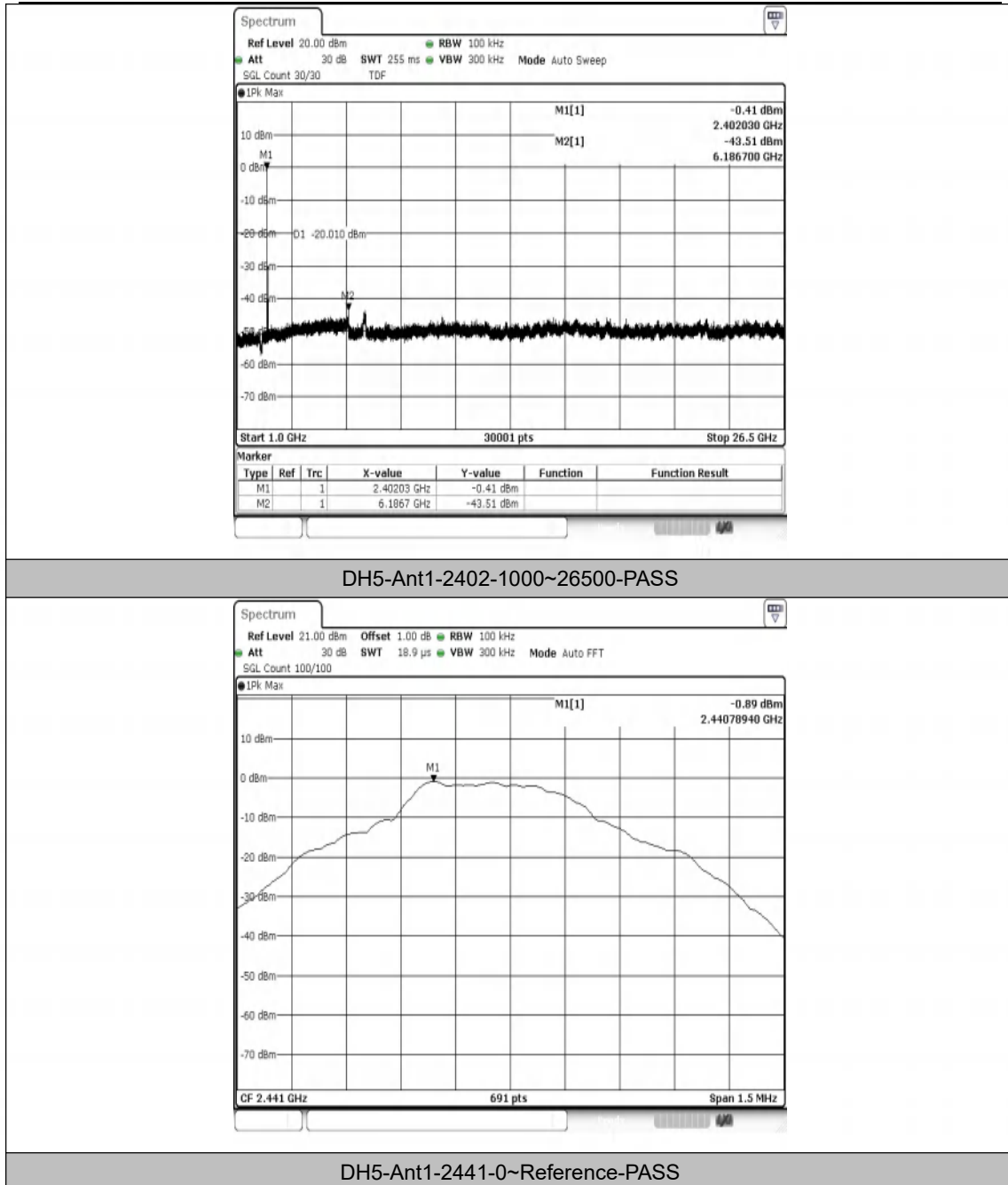
Test Graphs



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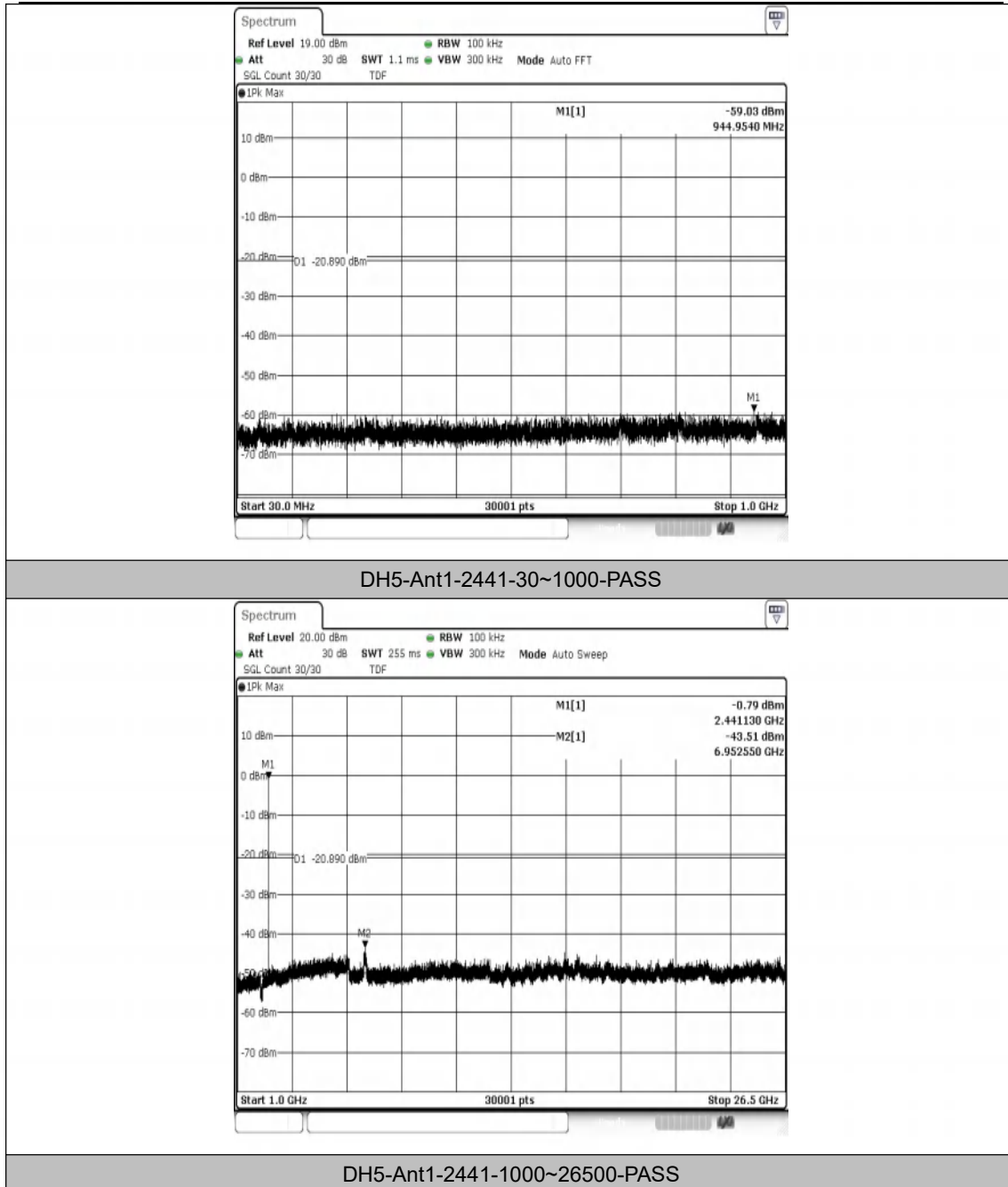
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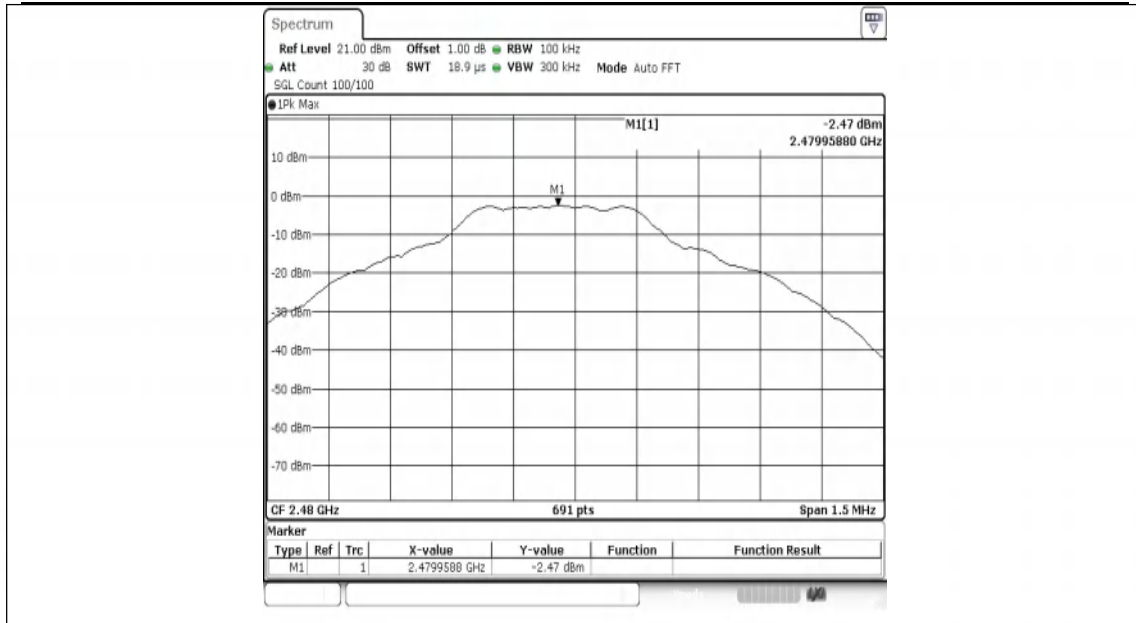
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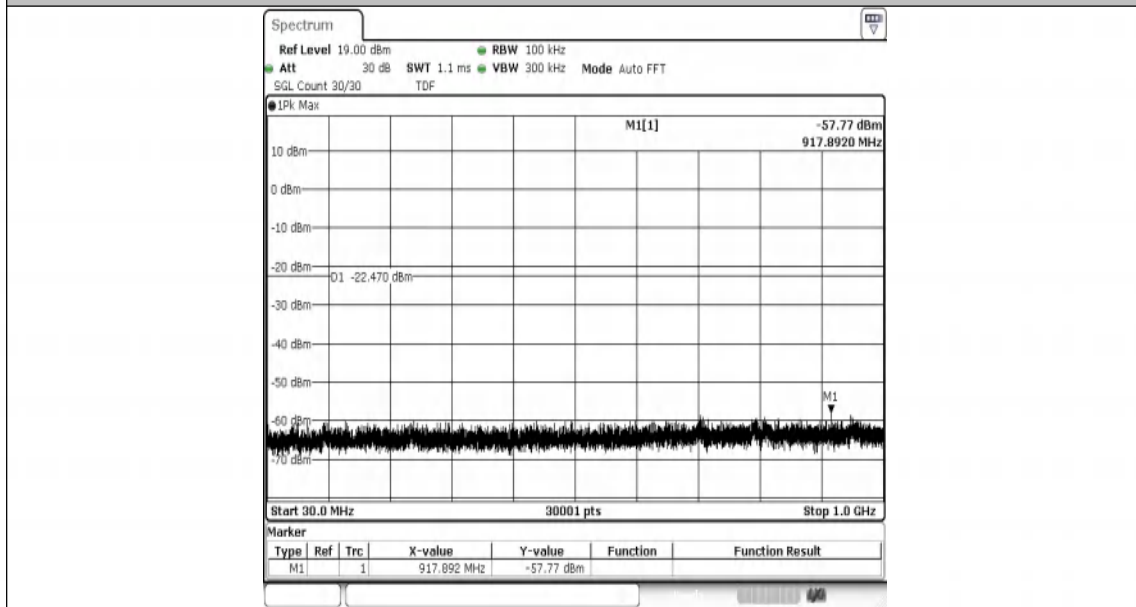
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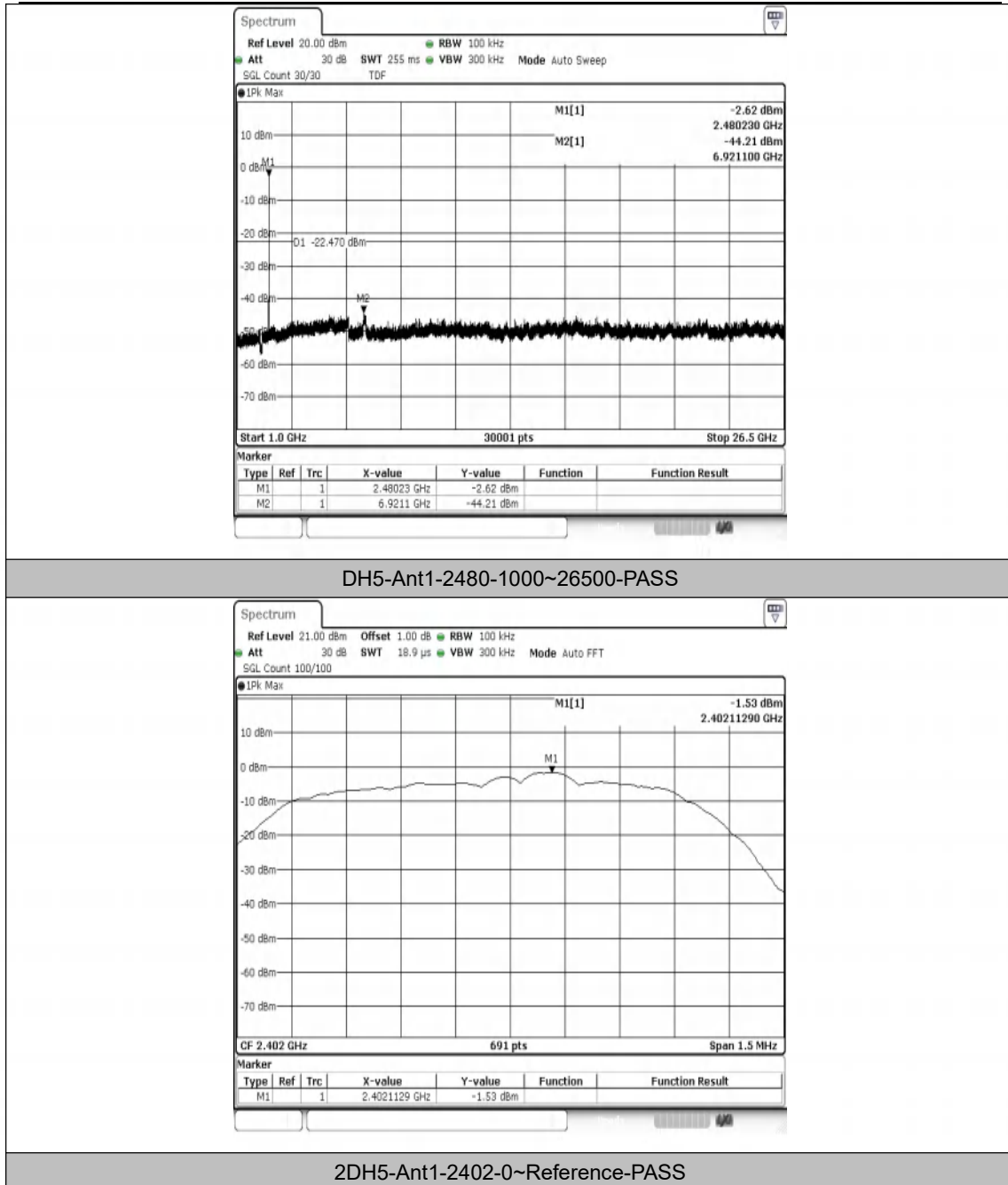
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DH5-Ant1-2480-0~Reference-PASS



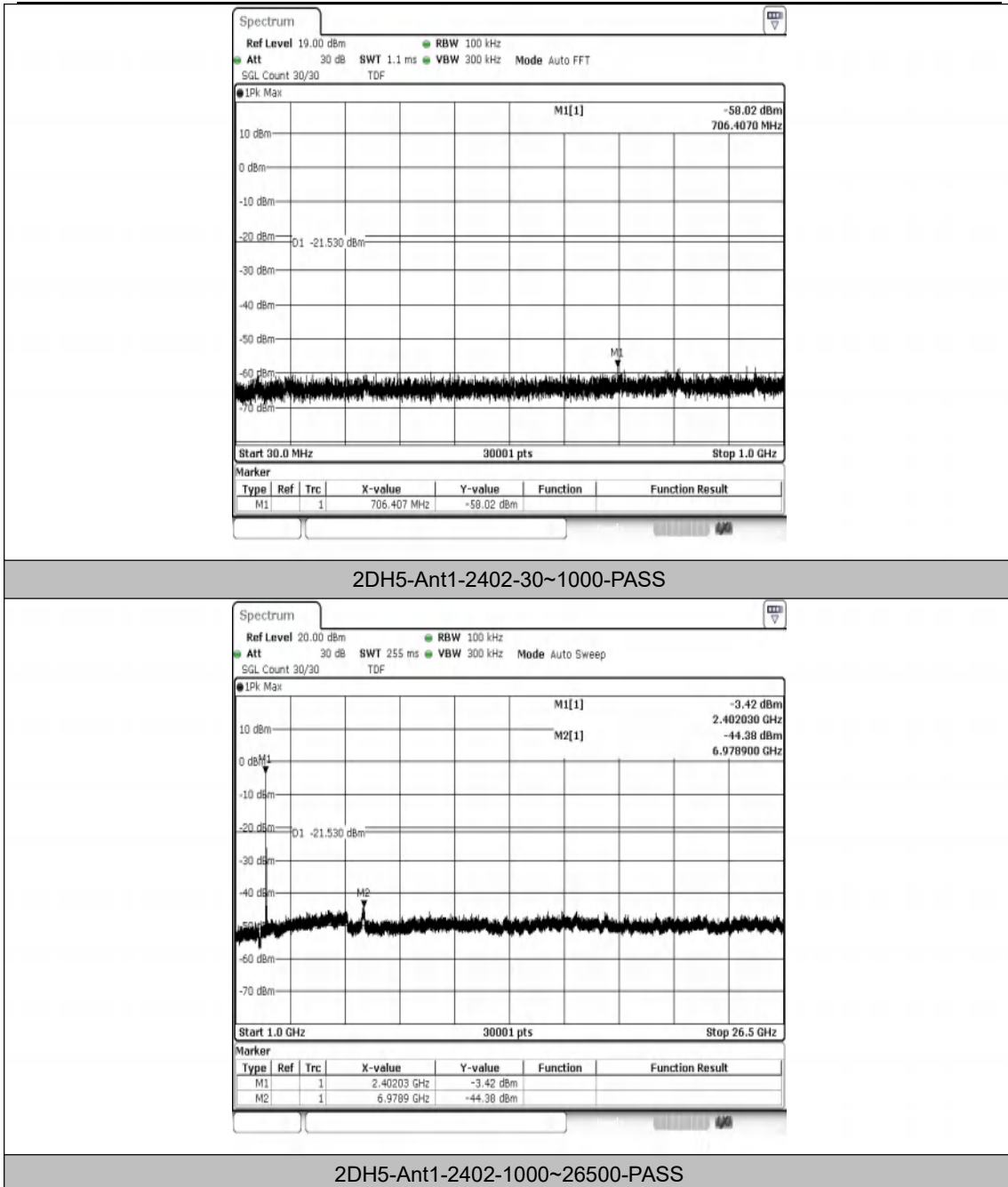
DH5-Ant1-2480-30~1000-PASS



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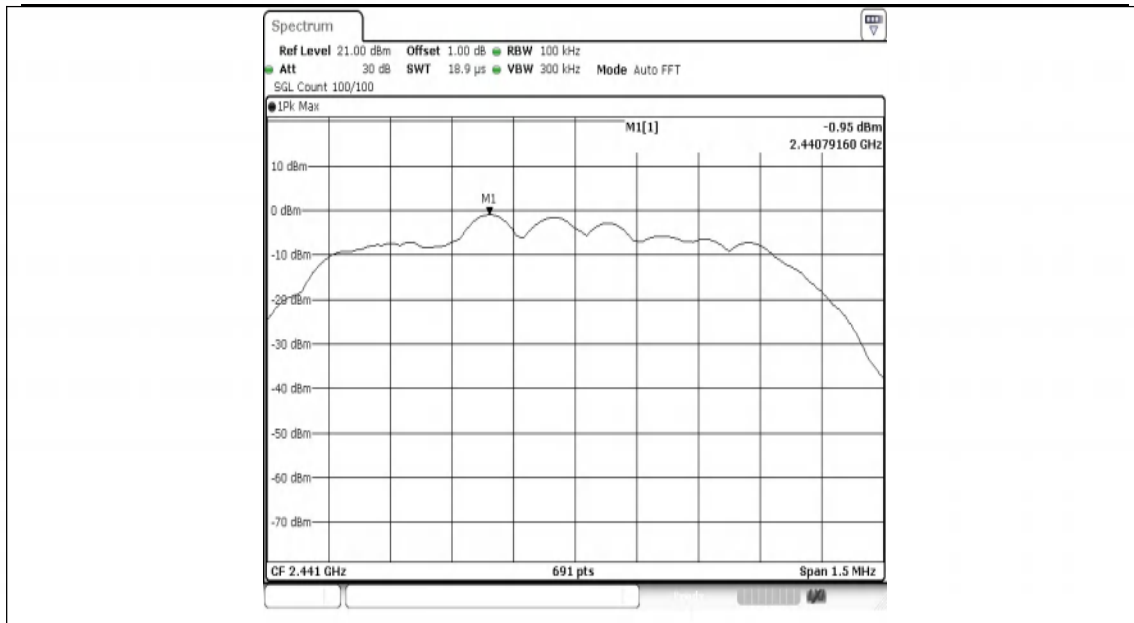
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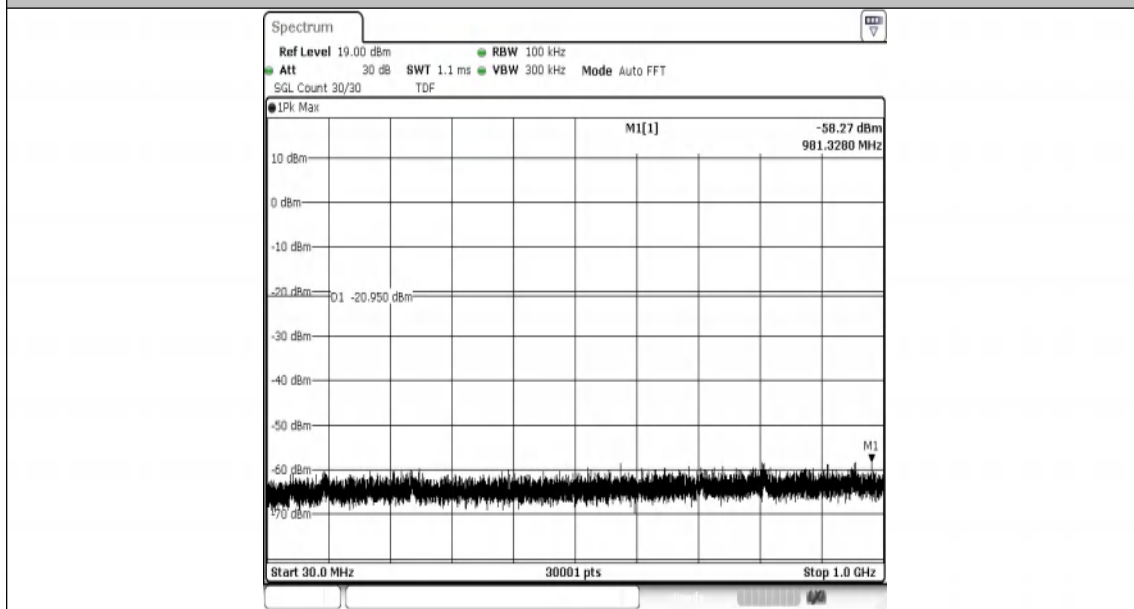
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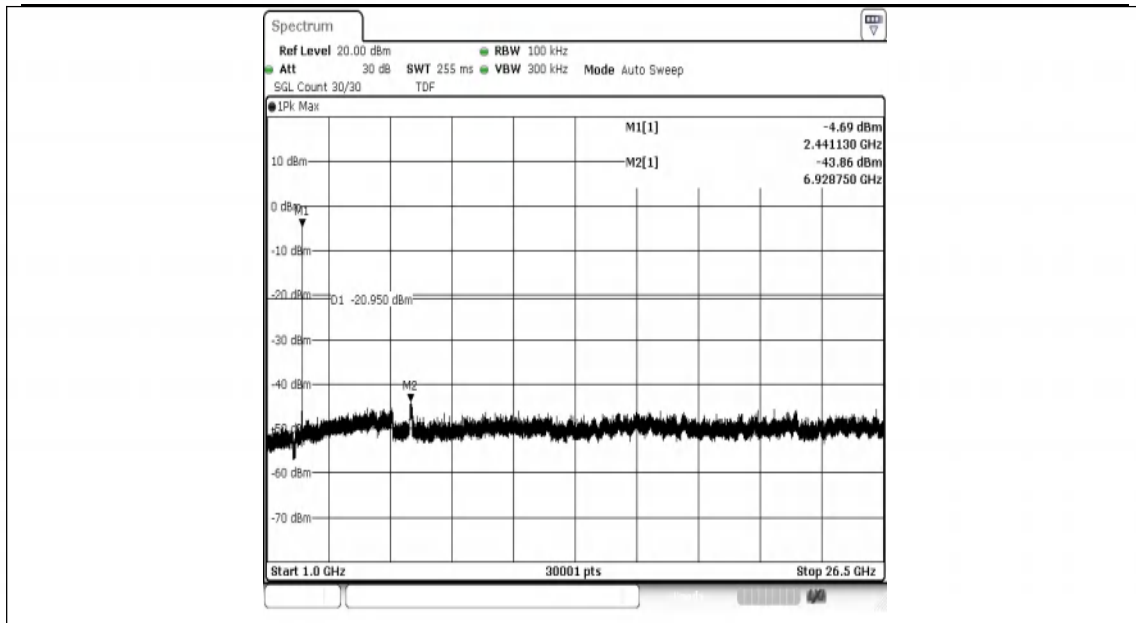
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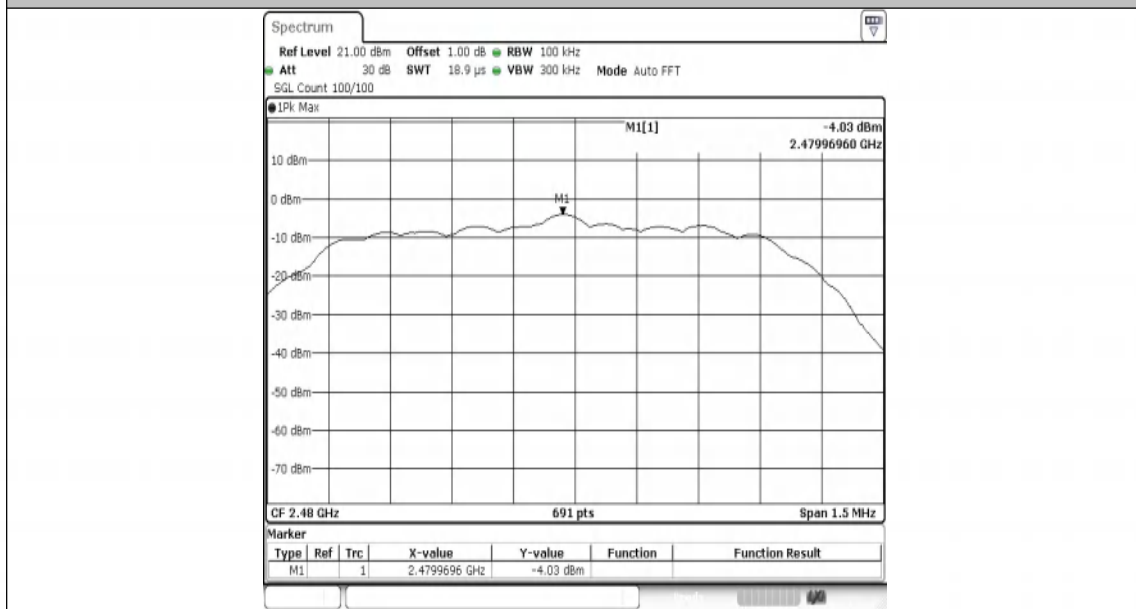
2DH5-Ant1-2441-0~Reference-PASS



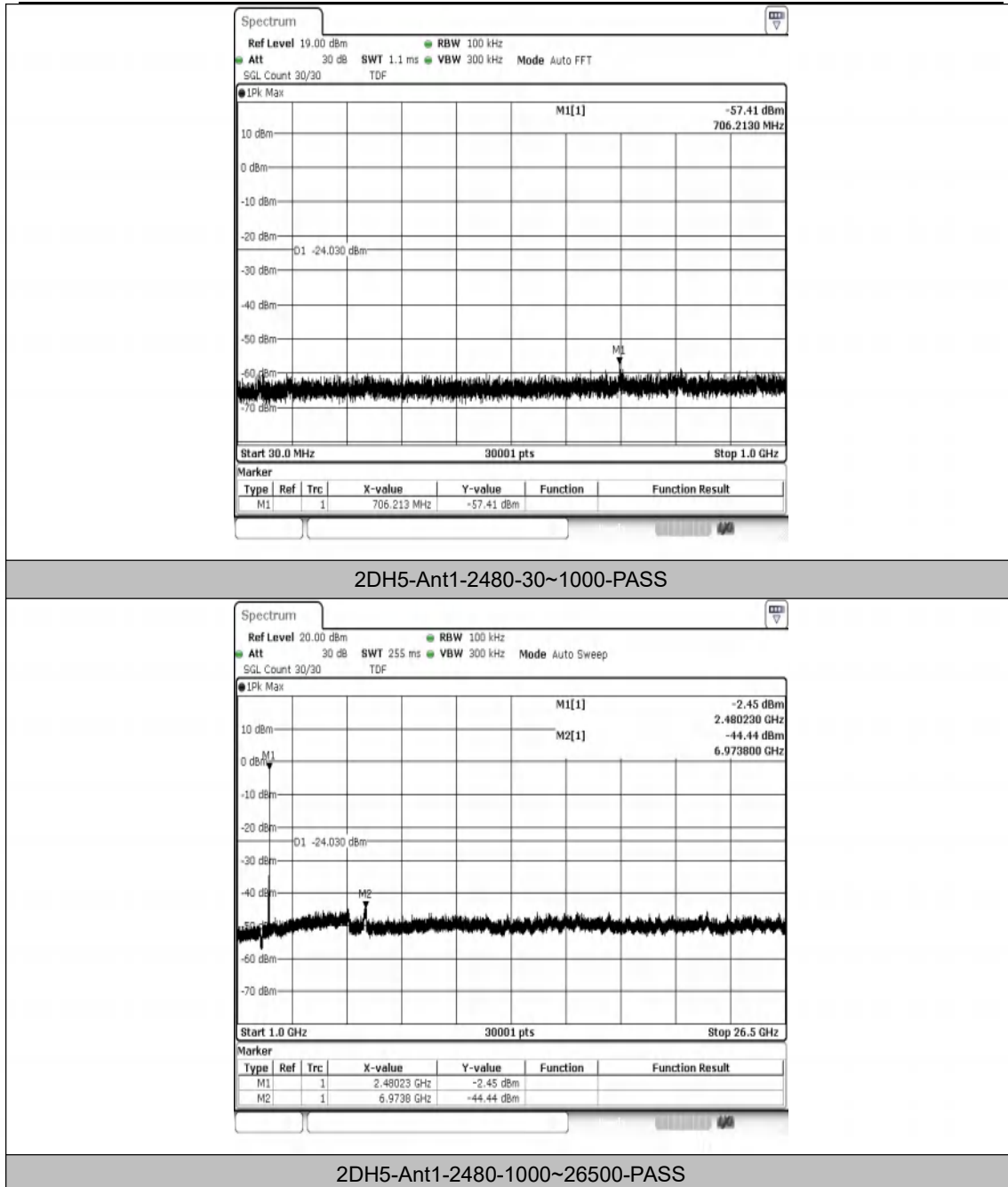
2DH5-Ant1-2441-30~1000-PASS



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



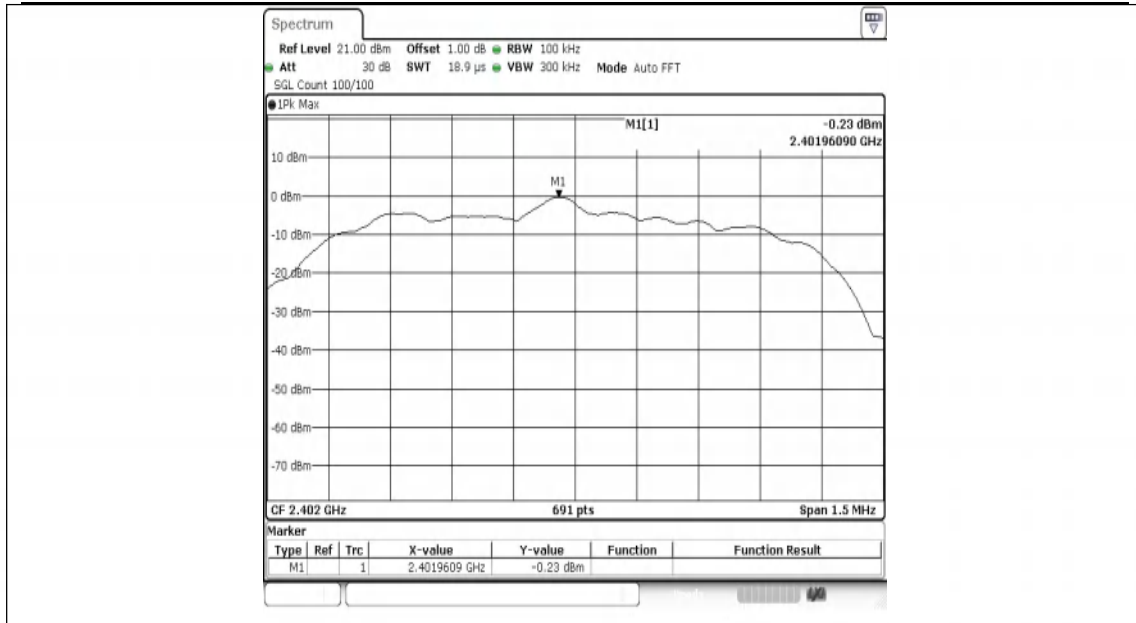
2DH5-Ant1-2480-0~Reference-PASS



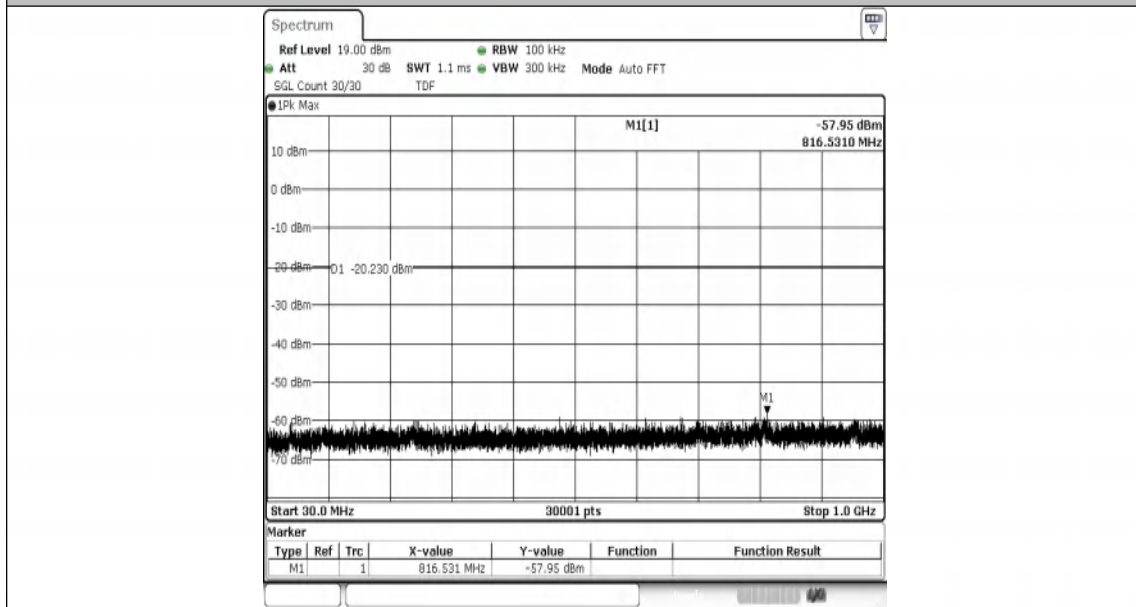
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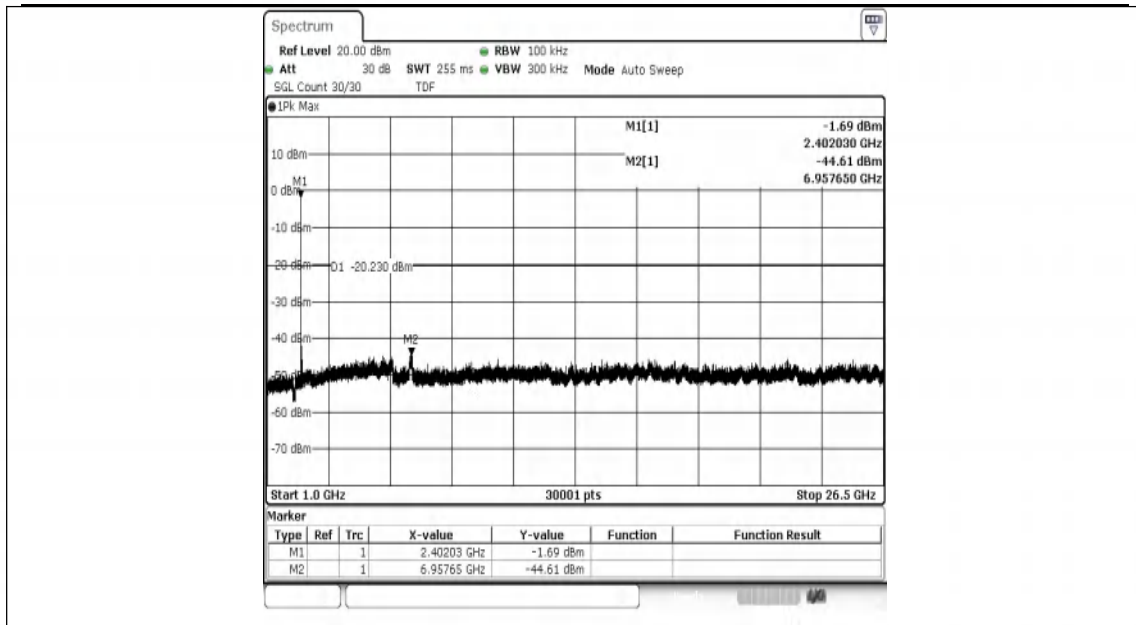
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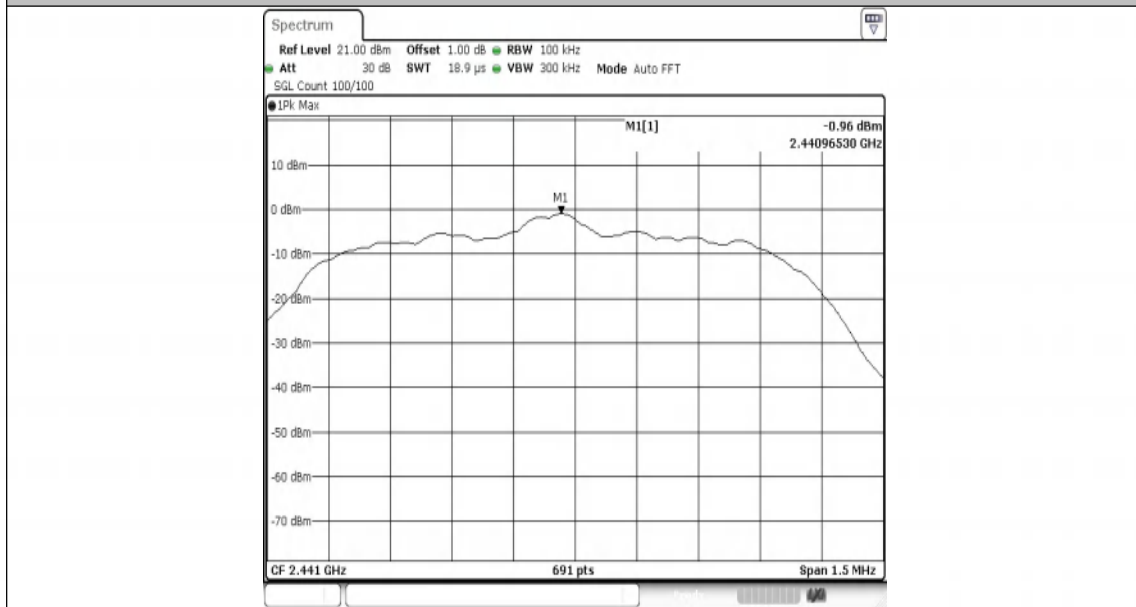
3DH5-Ant1-2402-0~Reference-PASS



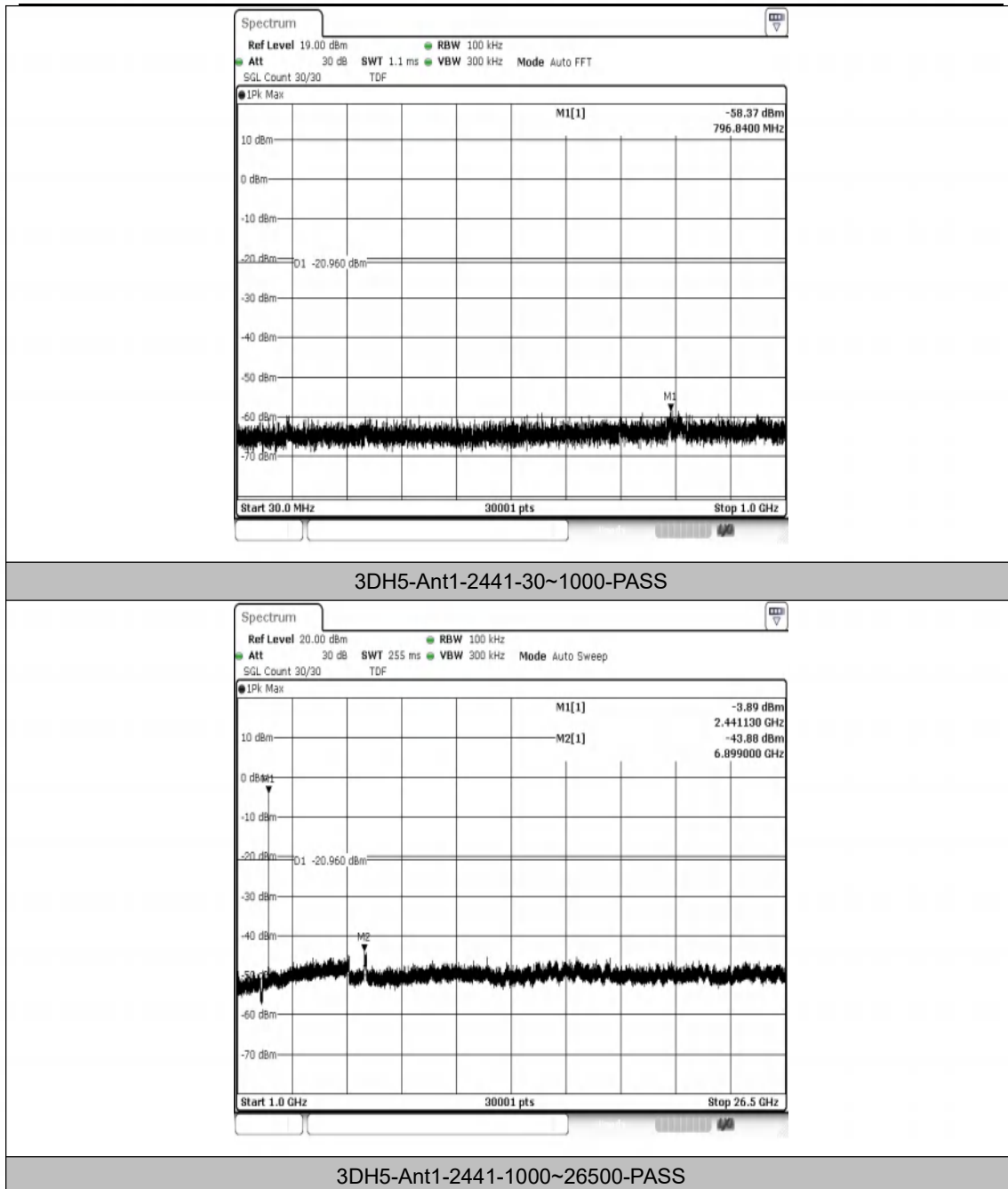
3DH5-Ant1-2402-30~1000-PASS



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



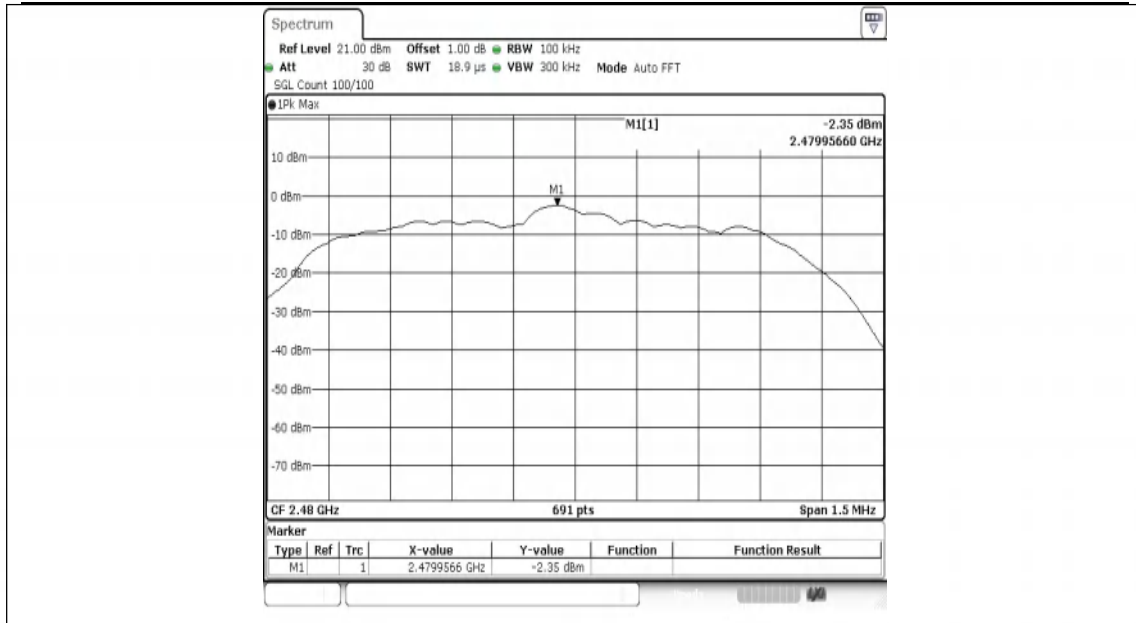
3DH5-Ant1-2441-0~Reference-PASS



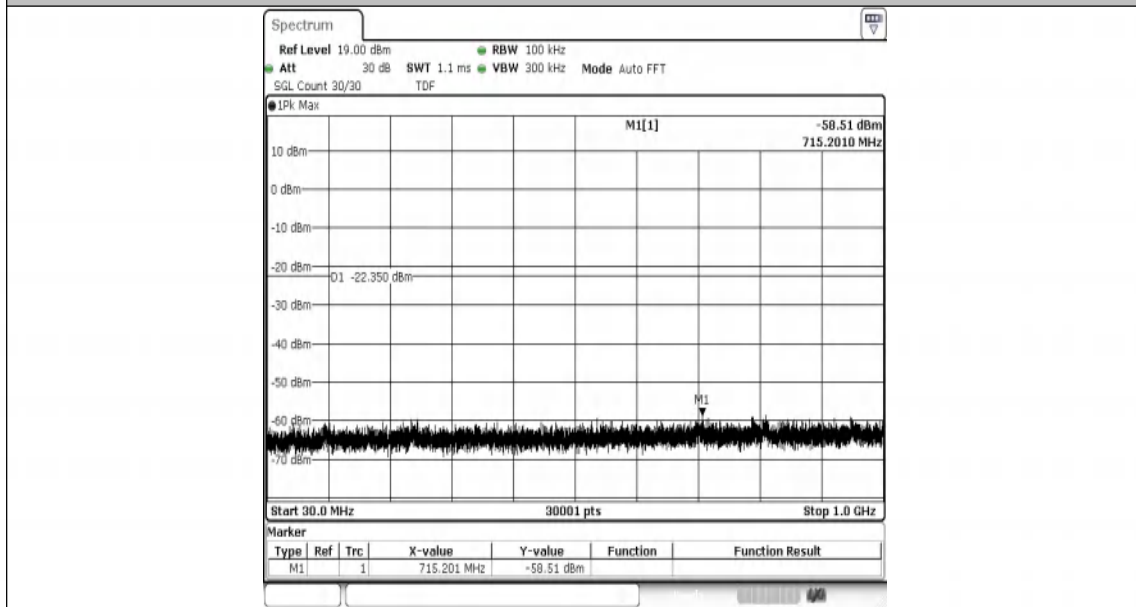
Shenzhen Anbotek Compliance Laboratory Limited

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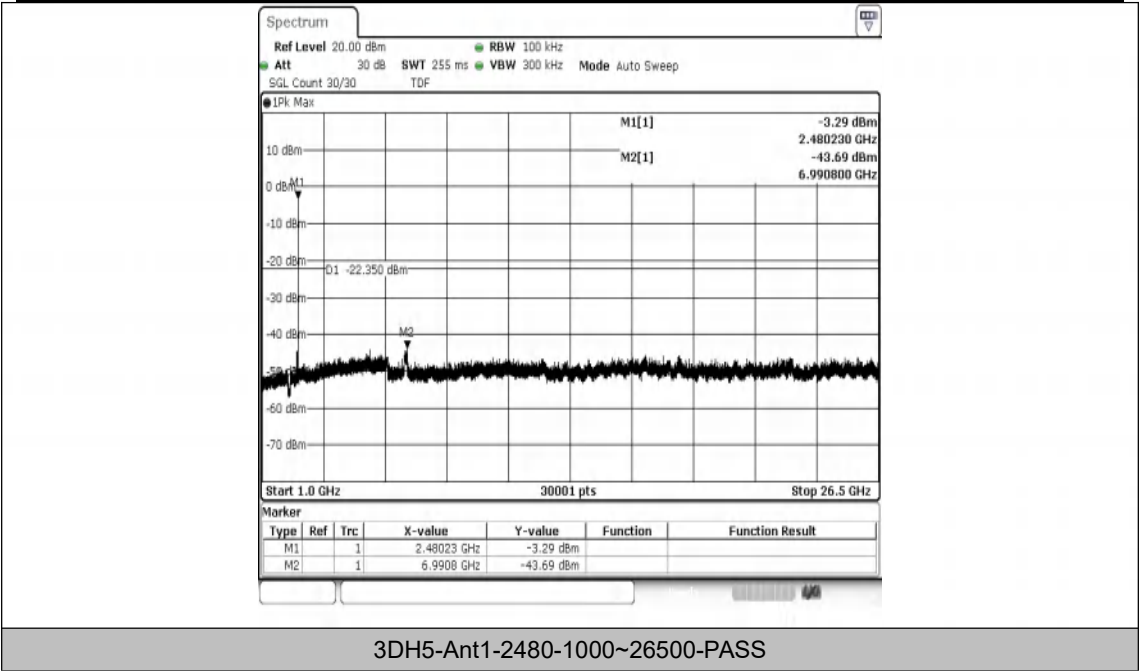
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com



3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



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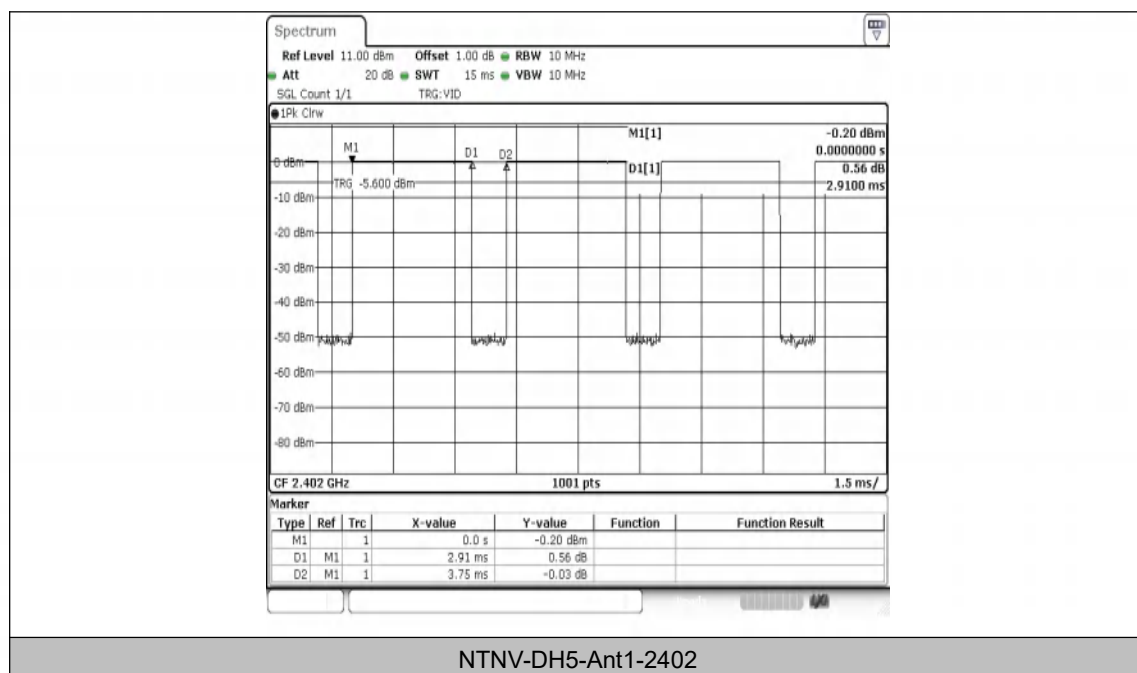
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

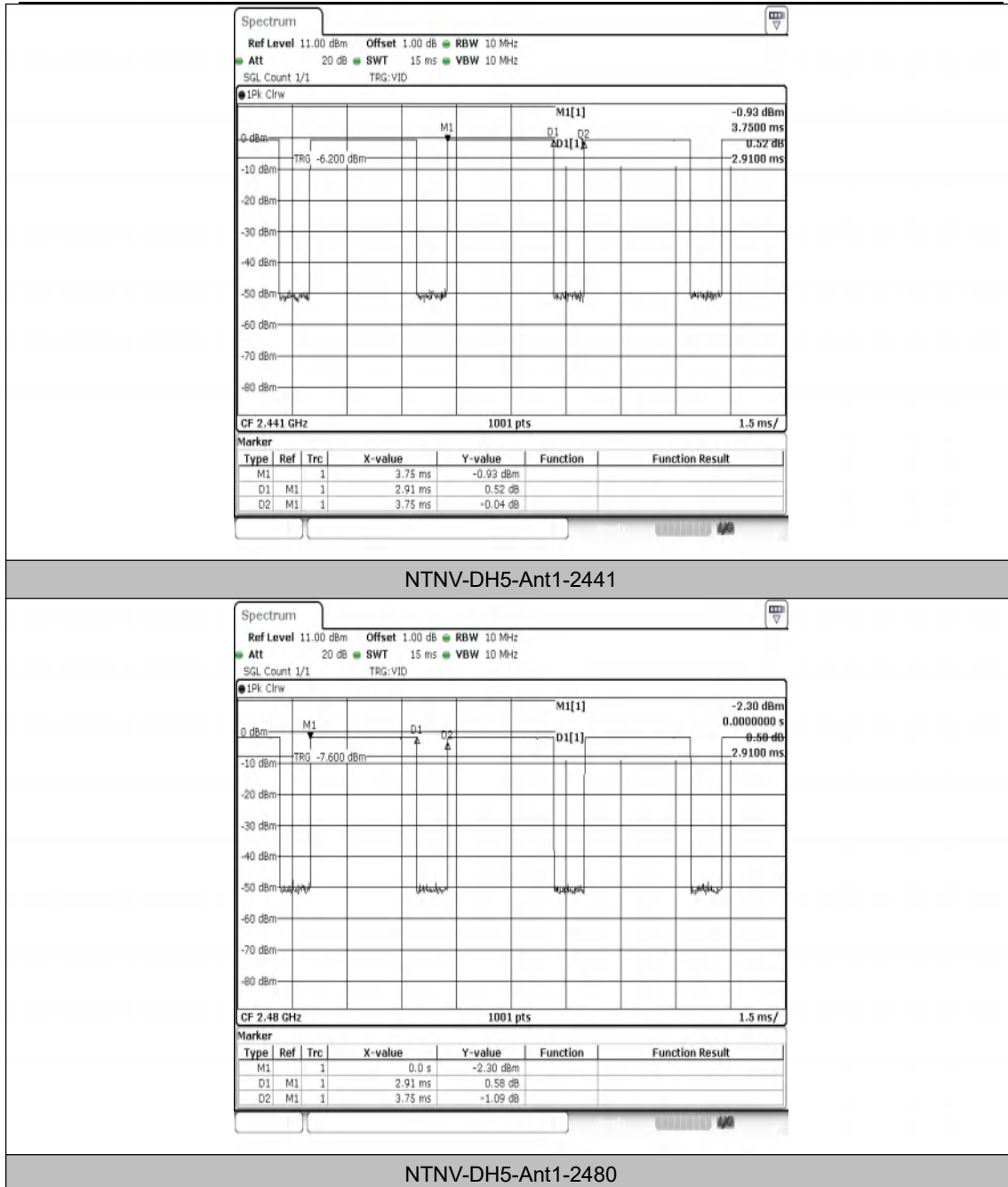
Appendix I: Duty Cycle

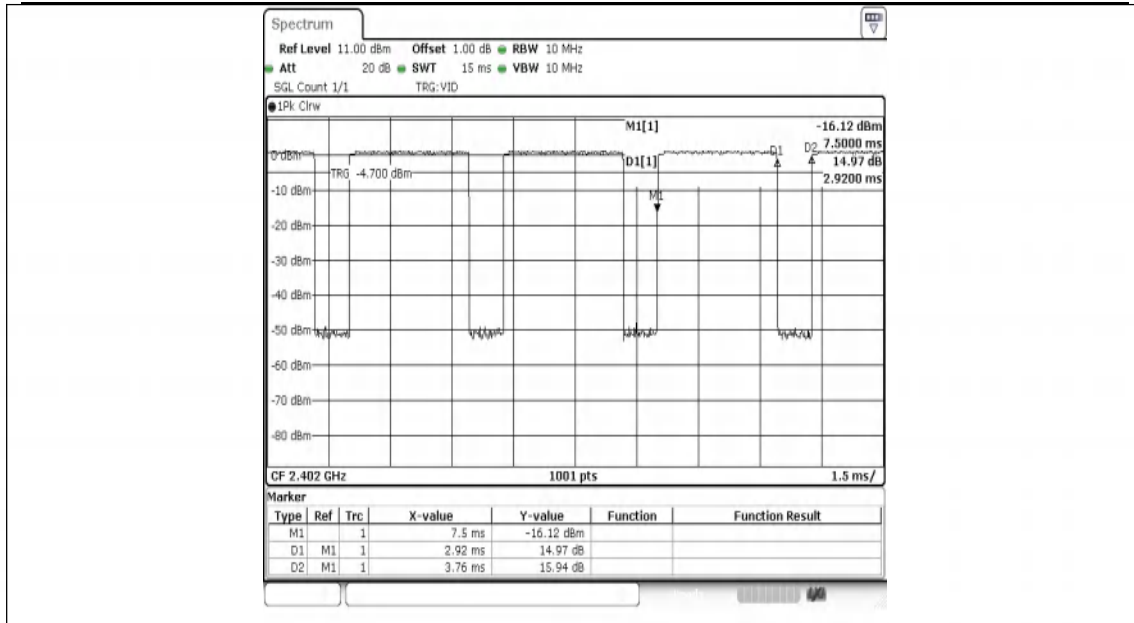
Test Result

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	2.92	3.76	77.66	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.92	3.76	77.66	1.10
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.92	3.76	77.66	1.10

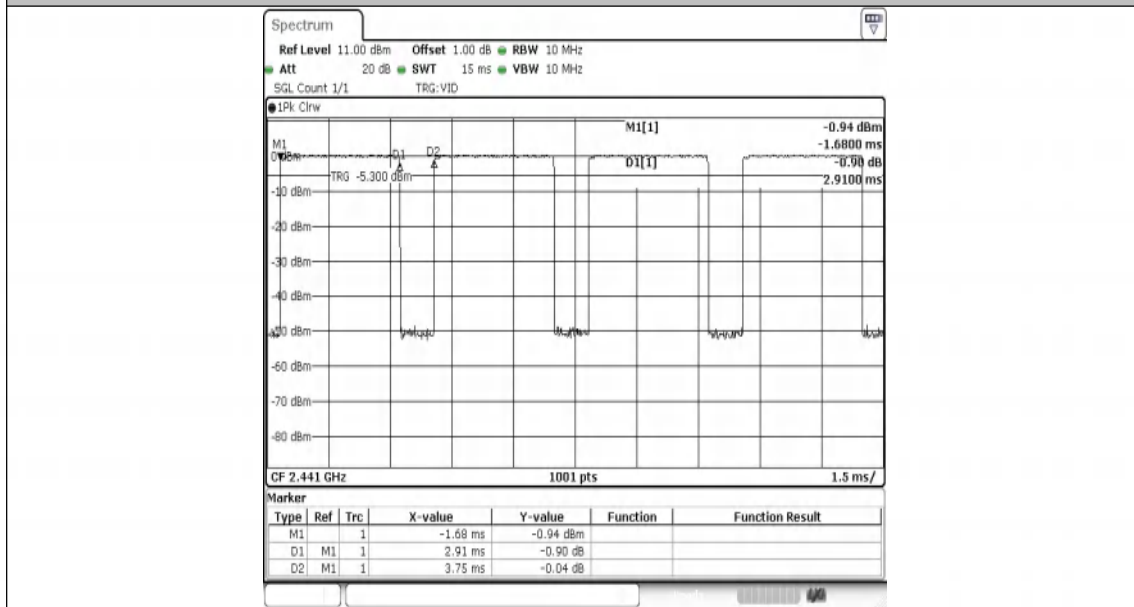
Test Graphs



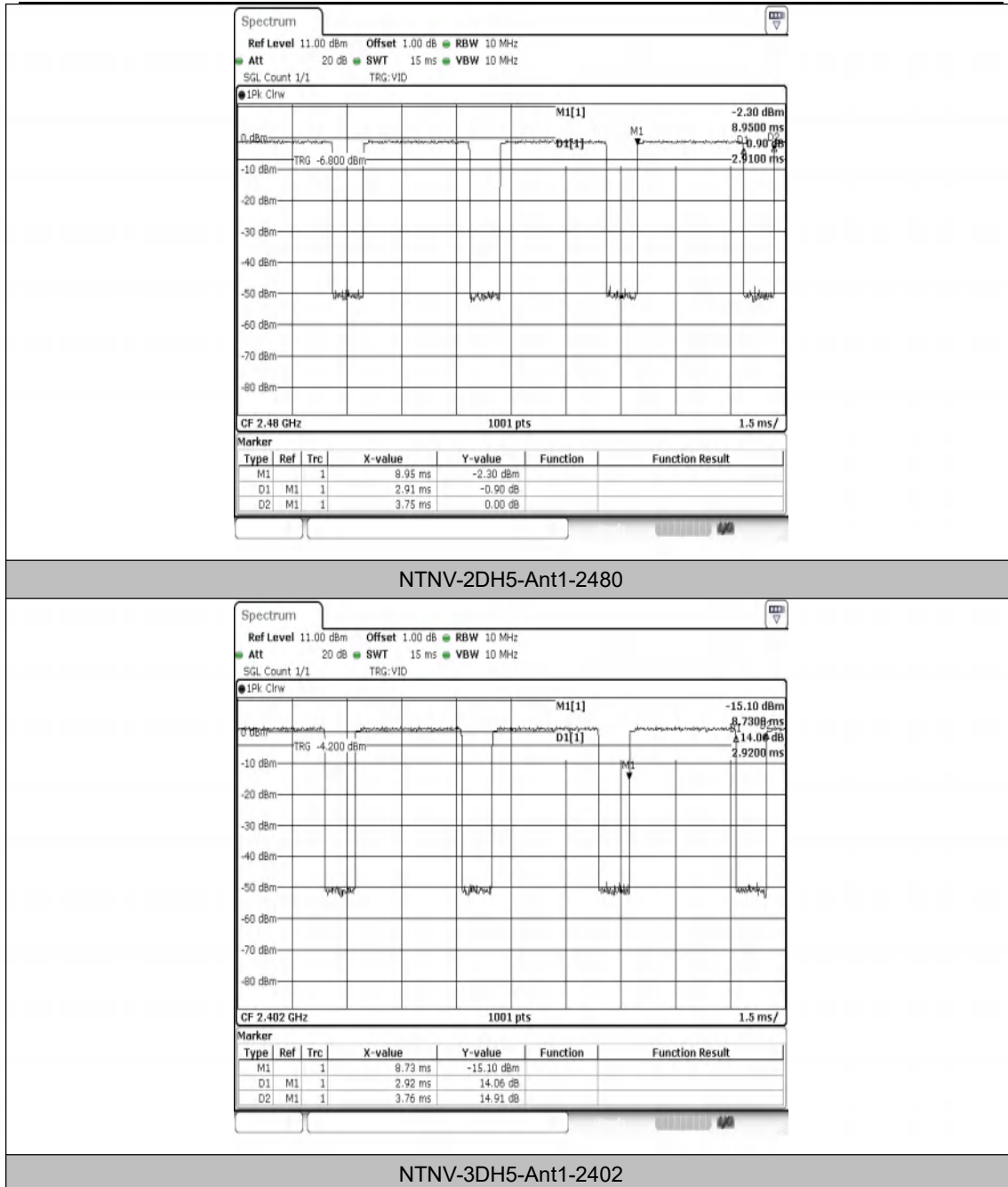


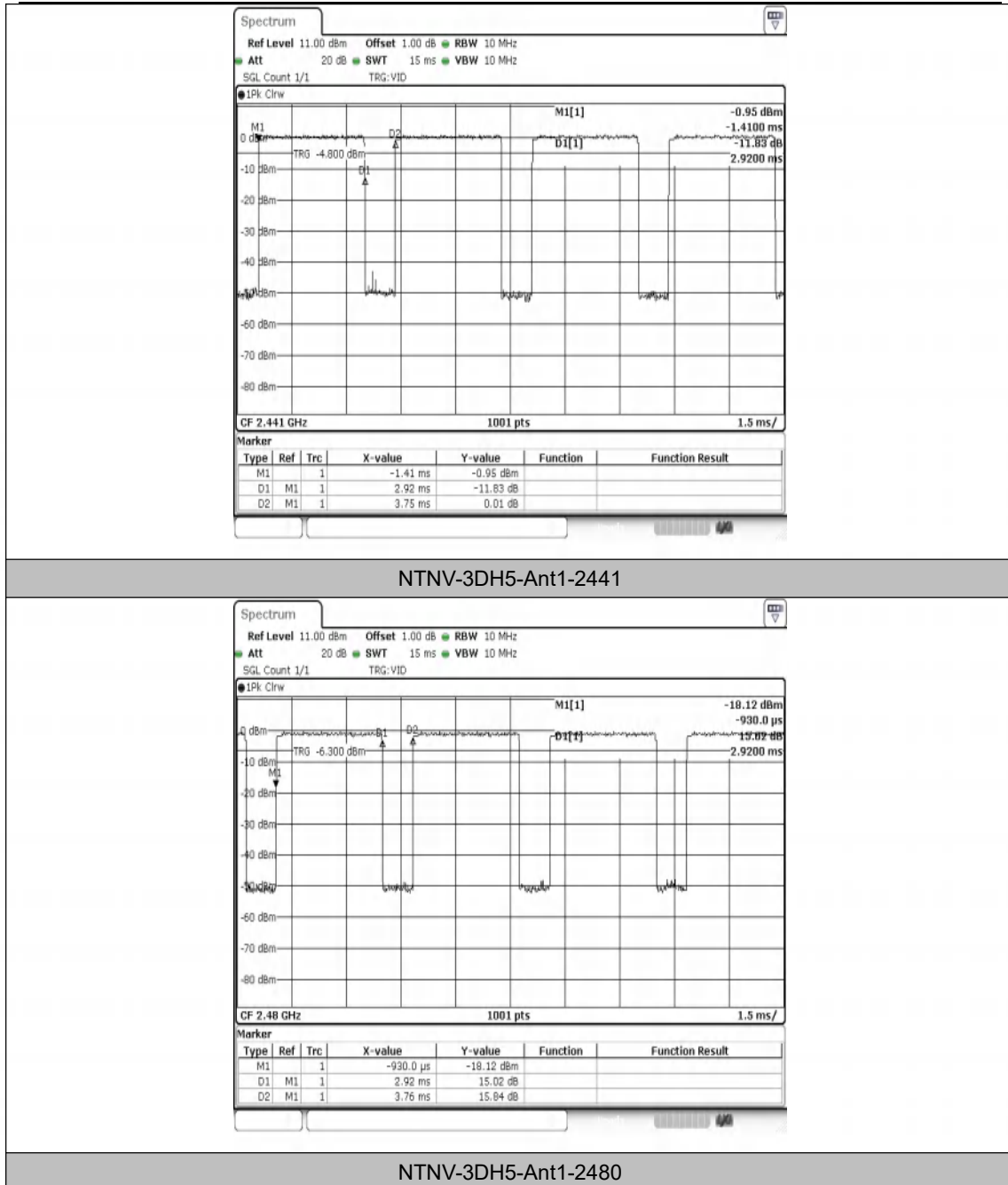


NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441





---End---