

Appendix Test Data

Report No.:	1812C50210612501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-8	Finish Test Date:	2025-5-15
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25.1°C	Relative Humidity:	51%
Pressure:	101kPa		

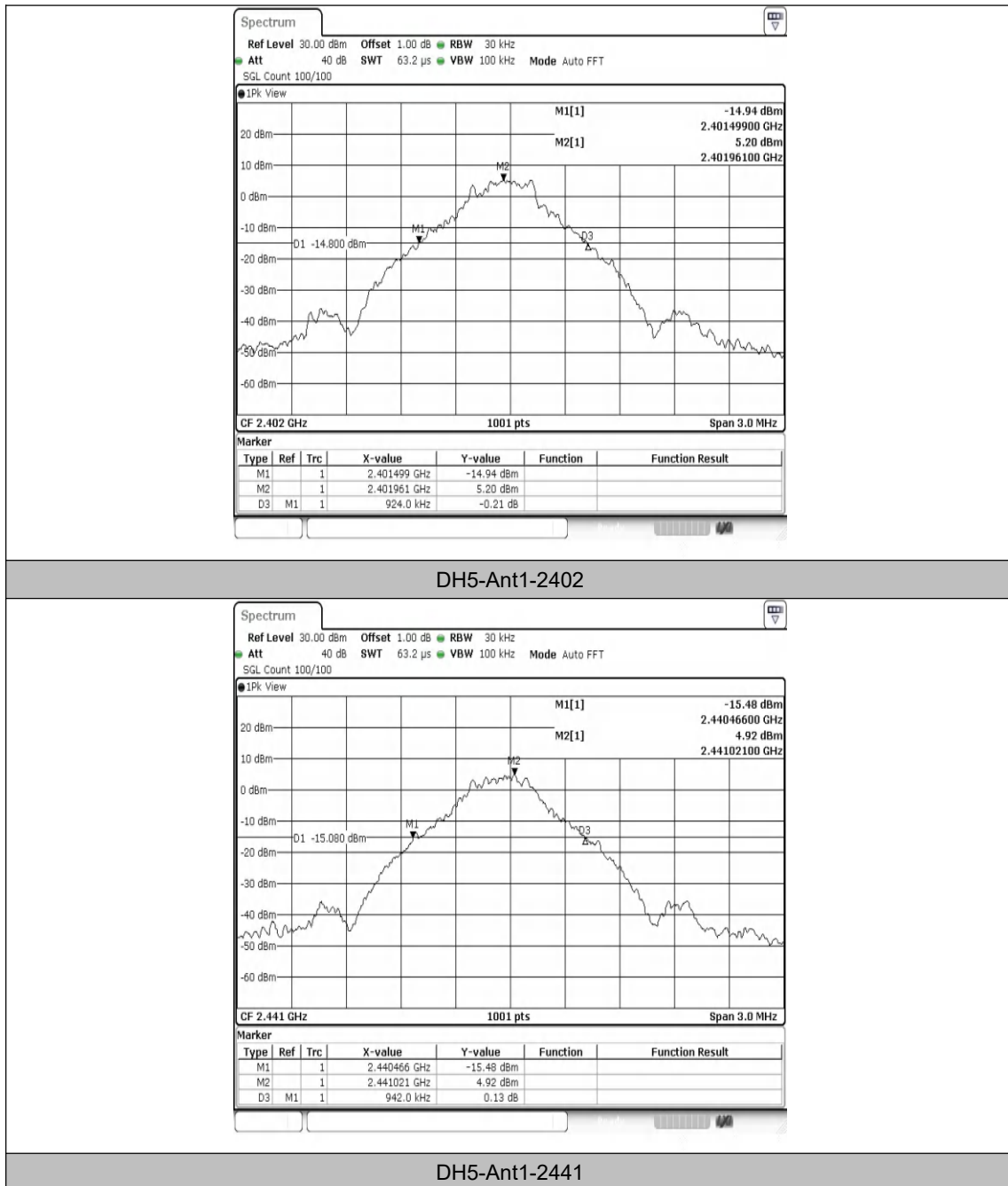
Appendix A: 20dB Bandwidth

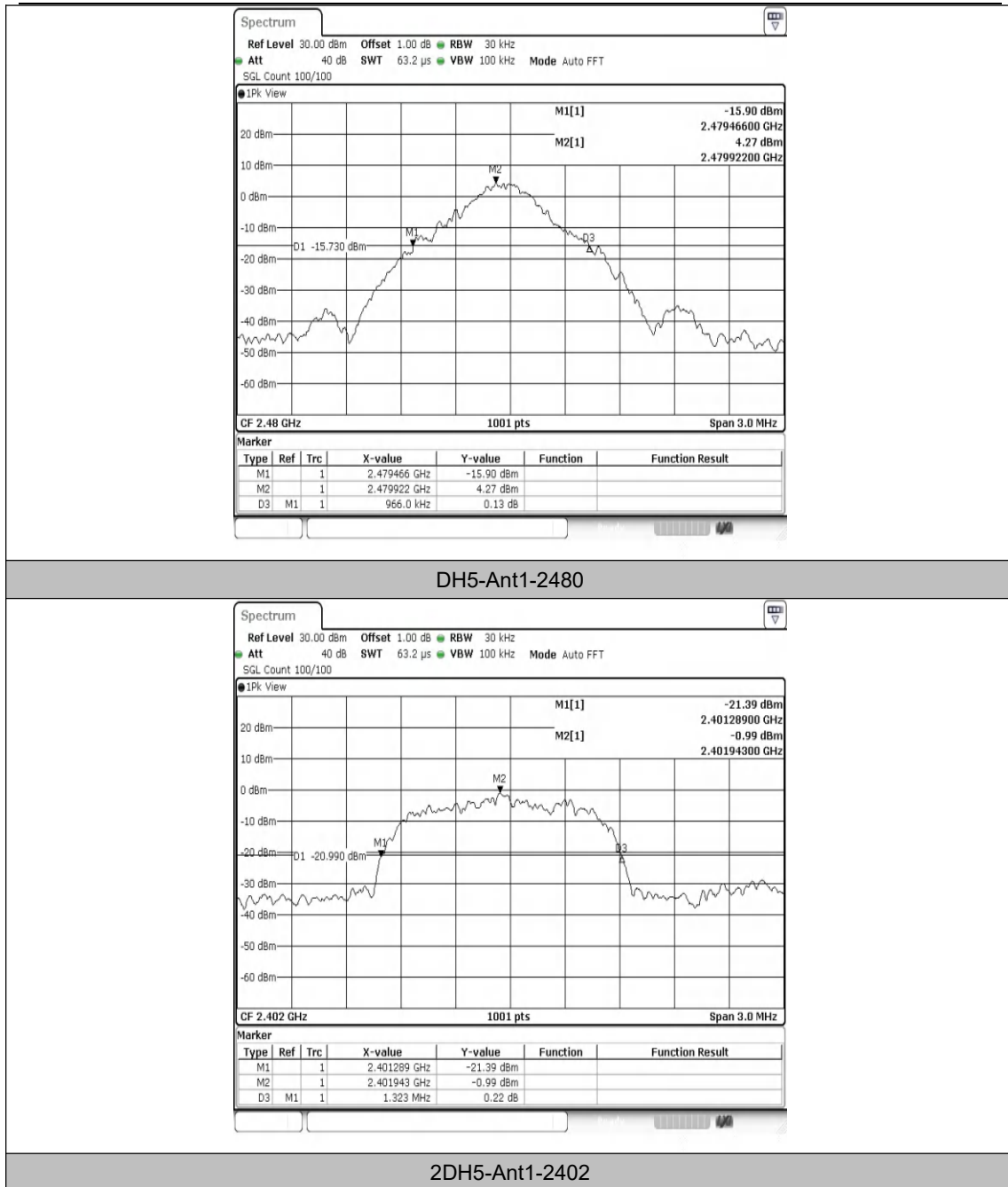
Test Result

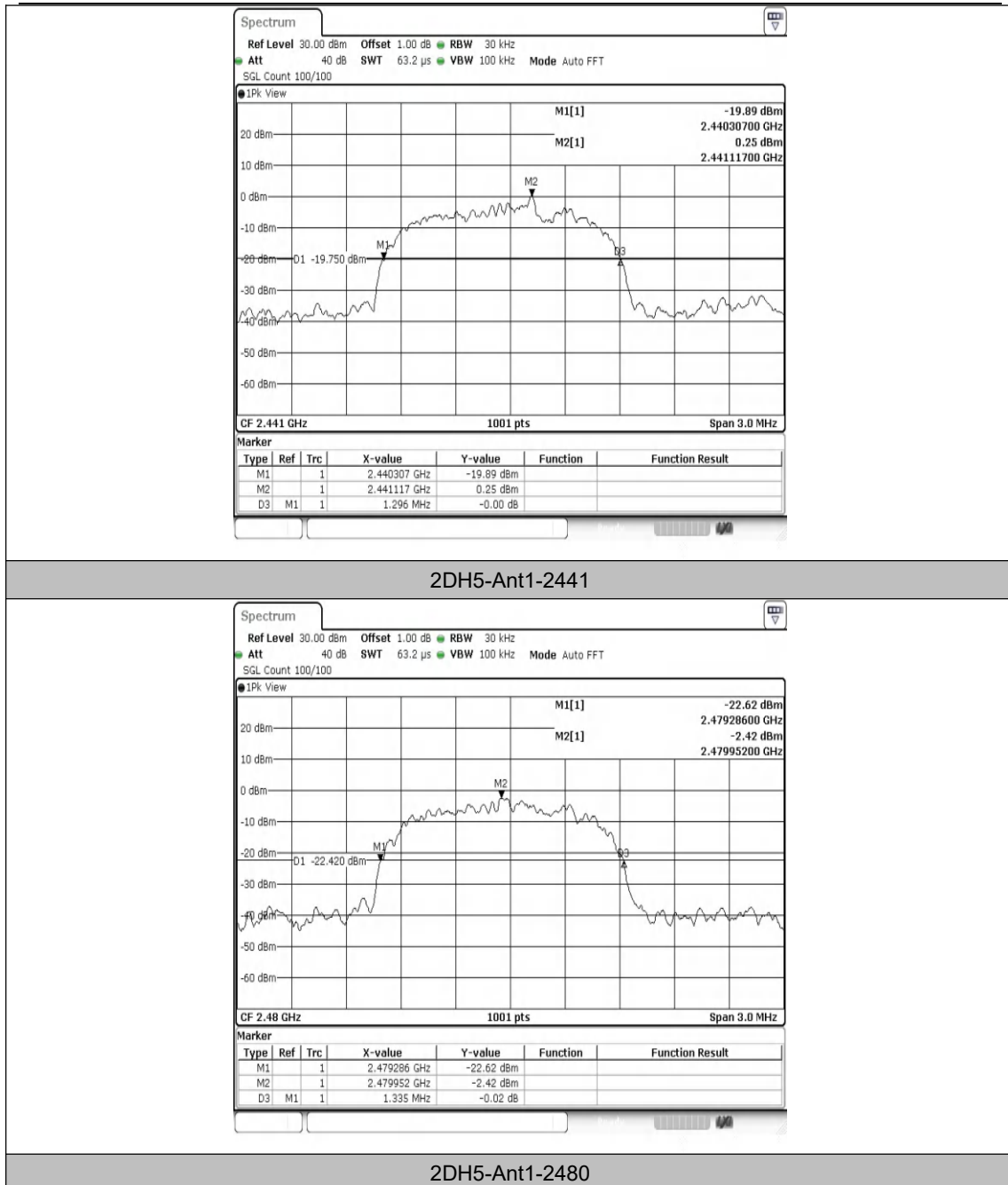
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92	2401.50	2402.42	---	---
DH5	Ant1	2441	0.94	2440.47	2441.41	---	---
DH5	Ant1	2480	0.97	2479.47	2480.43	---	---
2DH5	Ant1	2402	1.32	2401.29	2402.61	---	---
2DH5	Ant1	2441	1.30	2440.31	2441.60	---	---
2DH5	Ant1	2480	1.34	2479.29	2480.62	---	---
3DH5	Ant1	2402	1.31	2401.30	2402.61	---	---
3DH5	Ant1	2441	1.32	2440.30	2441.61	---	---
3DH5	Ant1	2480	1.33	2479.29	2480.62	---	---



Test Graphs



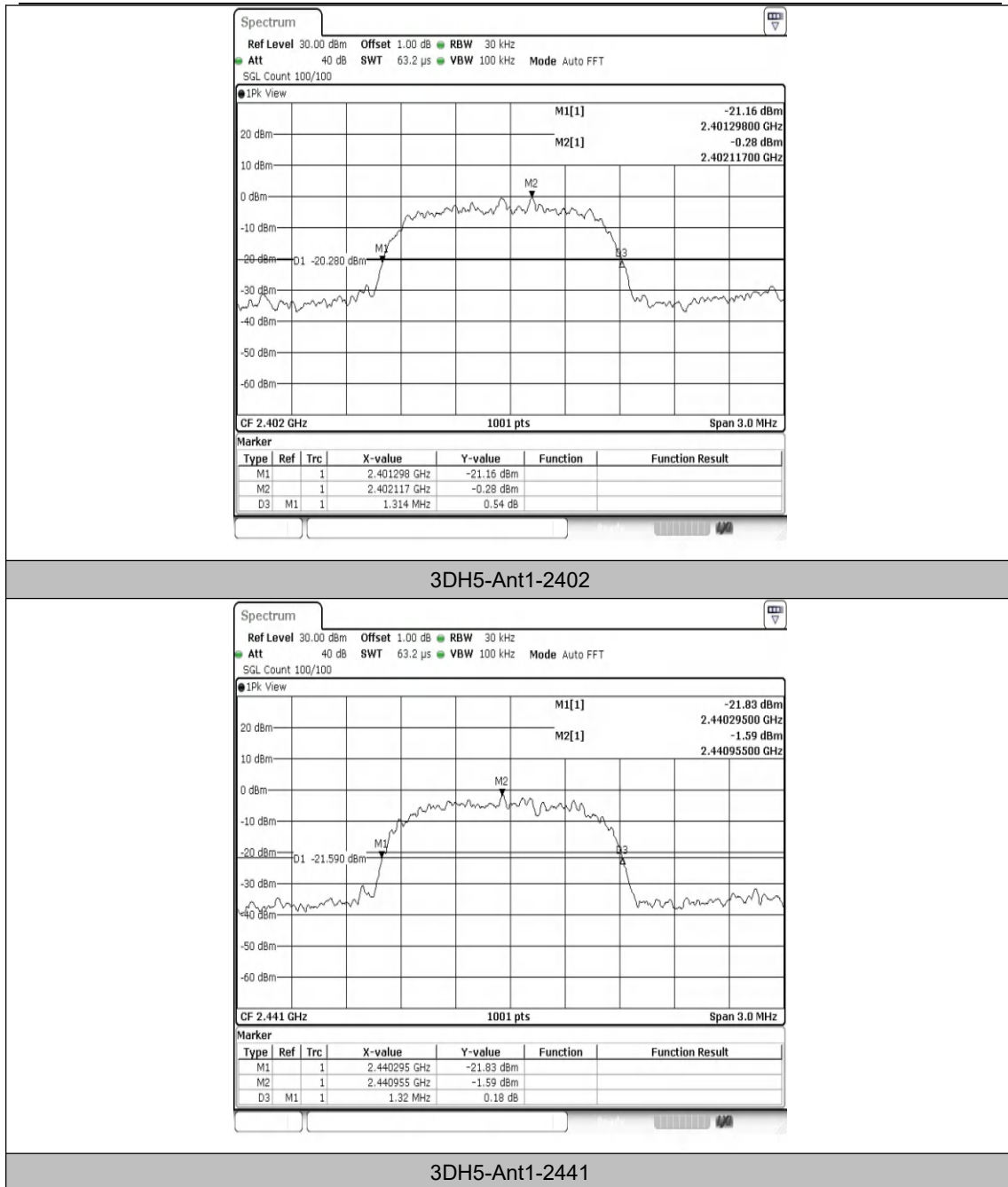


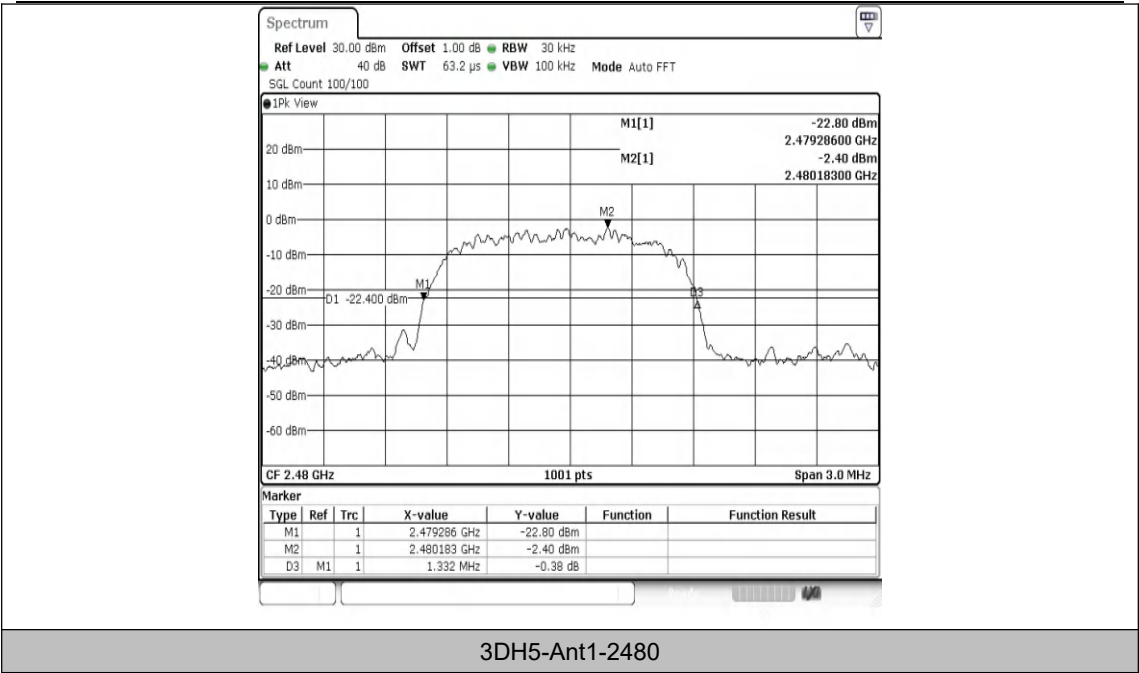


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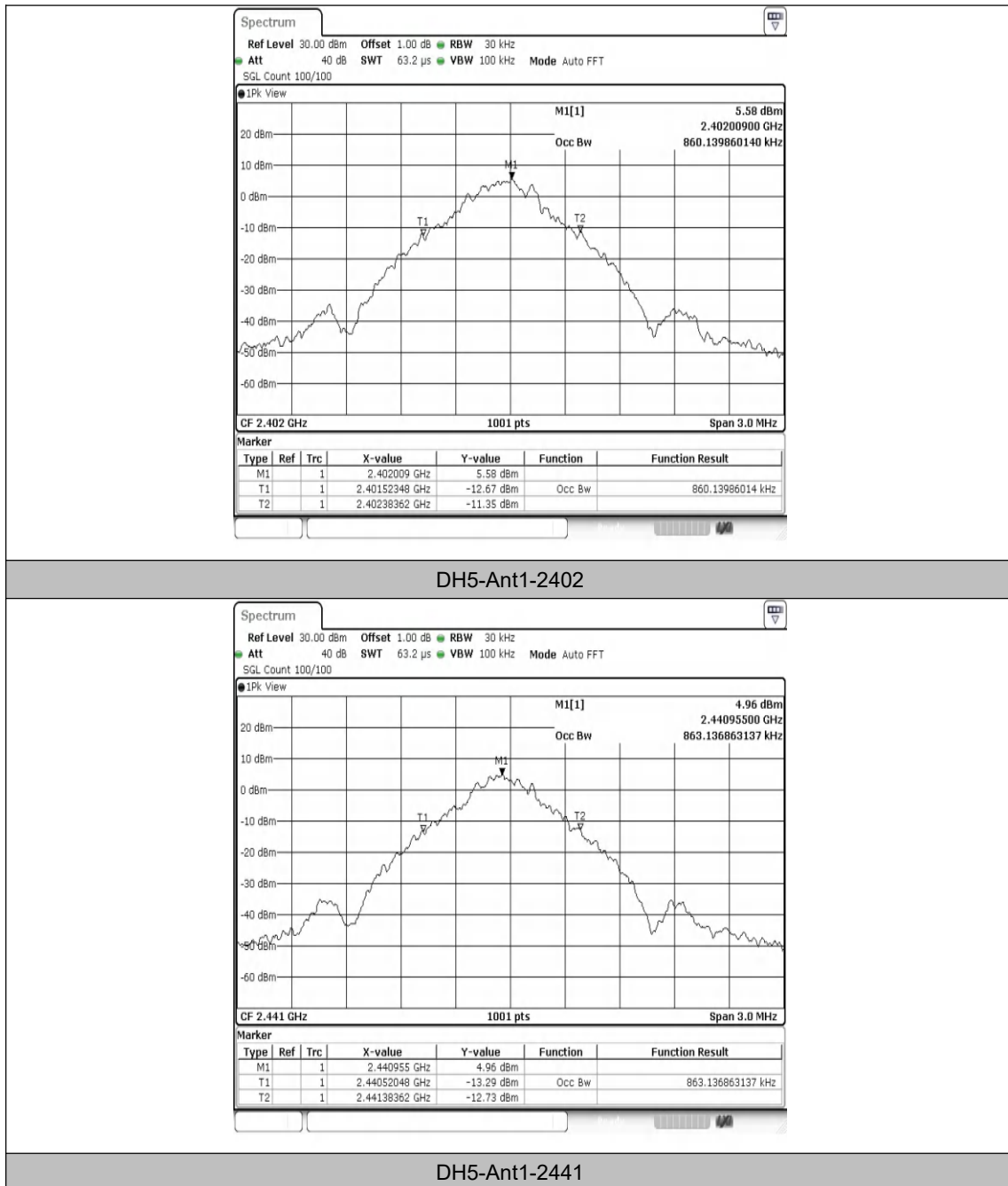
Appendix B: 99% Occupied Bandwidth

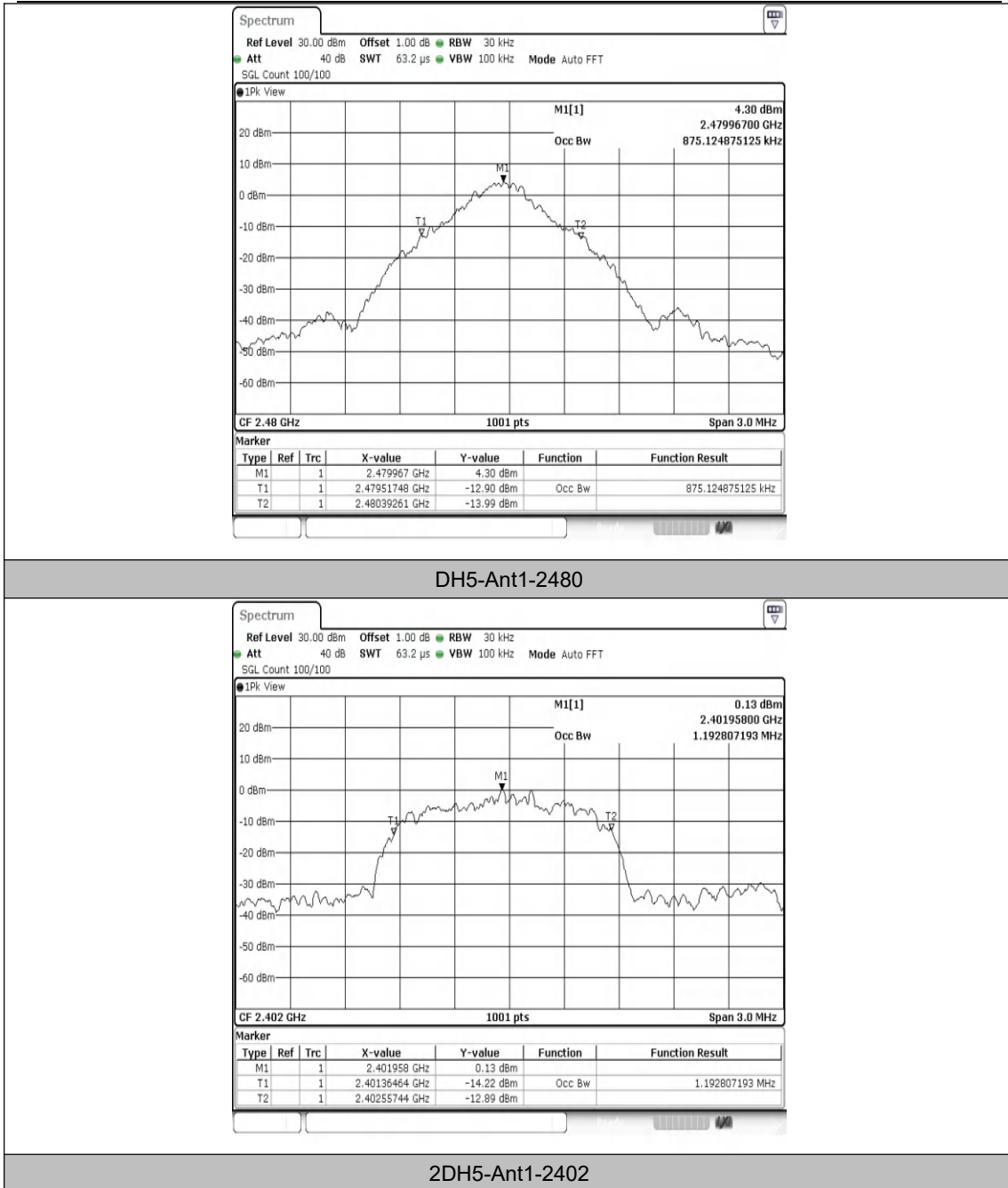
Test Result

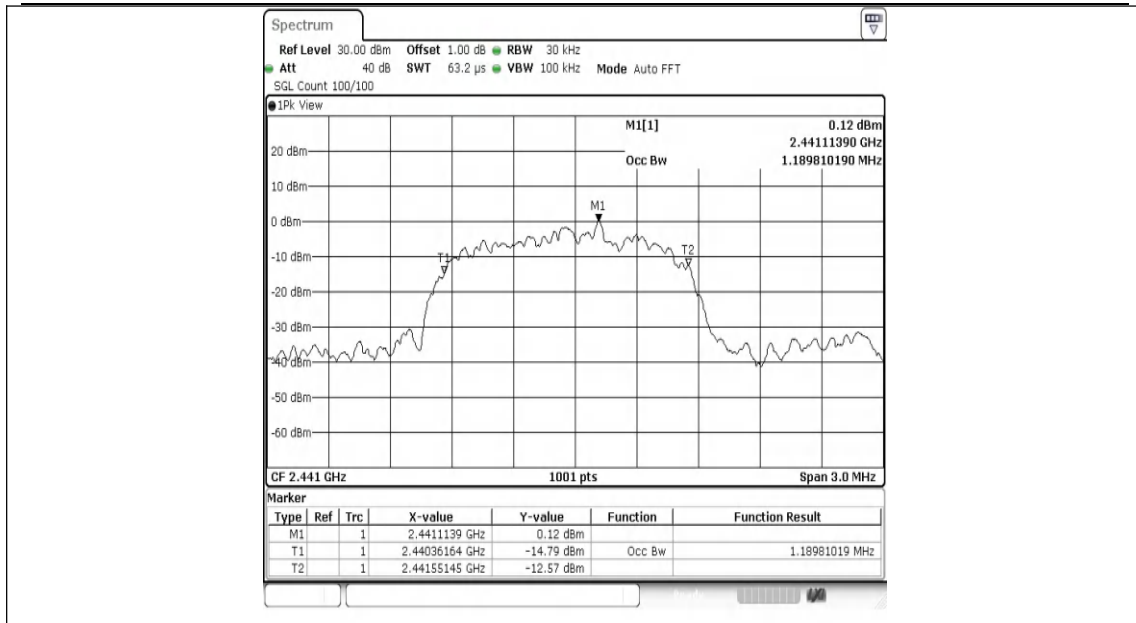
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86014	2401.5235	2402.3836	---	---
DH5	Ant1	2441	0.86314	2440.5205	2441.3836	---	---
DH5	Ant1	2480	0.87512	2479.5175	2480.3926	---	---
2DH5	Ant1	2402	1.1928	2401.3646	2402.5574	---	---
2DH5	Ant1	2441	1.1898	2440.3616	2441.5514	---	---
2DH5	Ant1	2480	1.1808	2479.3676	2480.5485	---	---
3DH5	Ant1	2402	1.2018	2401.3616	2402.5634	---	---
3DH5	Ant1	2441	1.2048	2440.3556	2441.5604	---	---
3DH5	Ant1	2480	1.2018	2479.3556	2480.5574	---	---



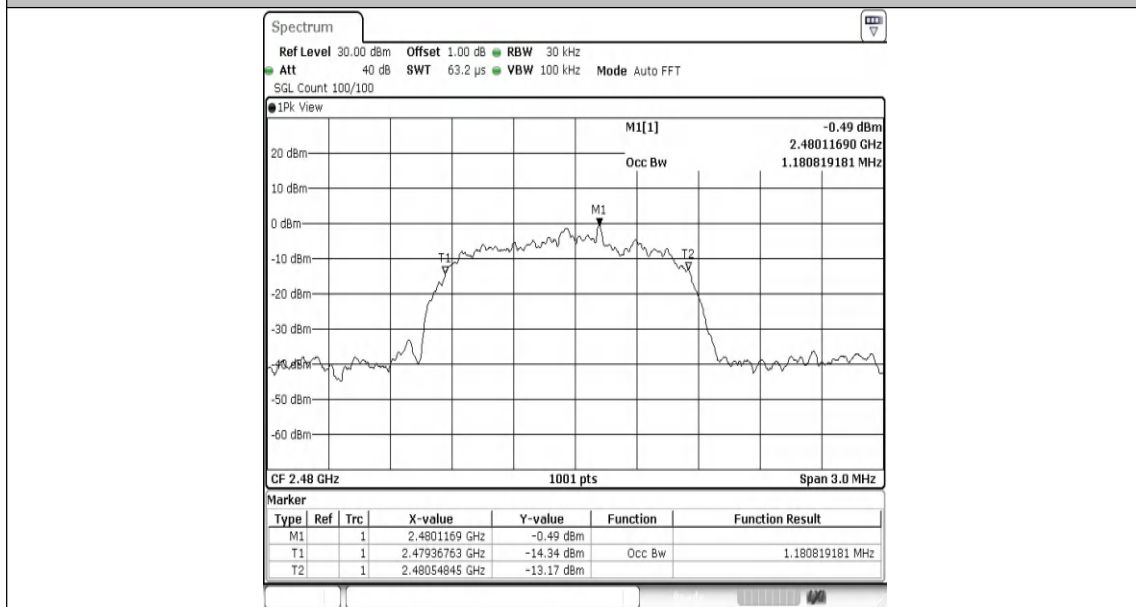
Test Graphs



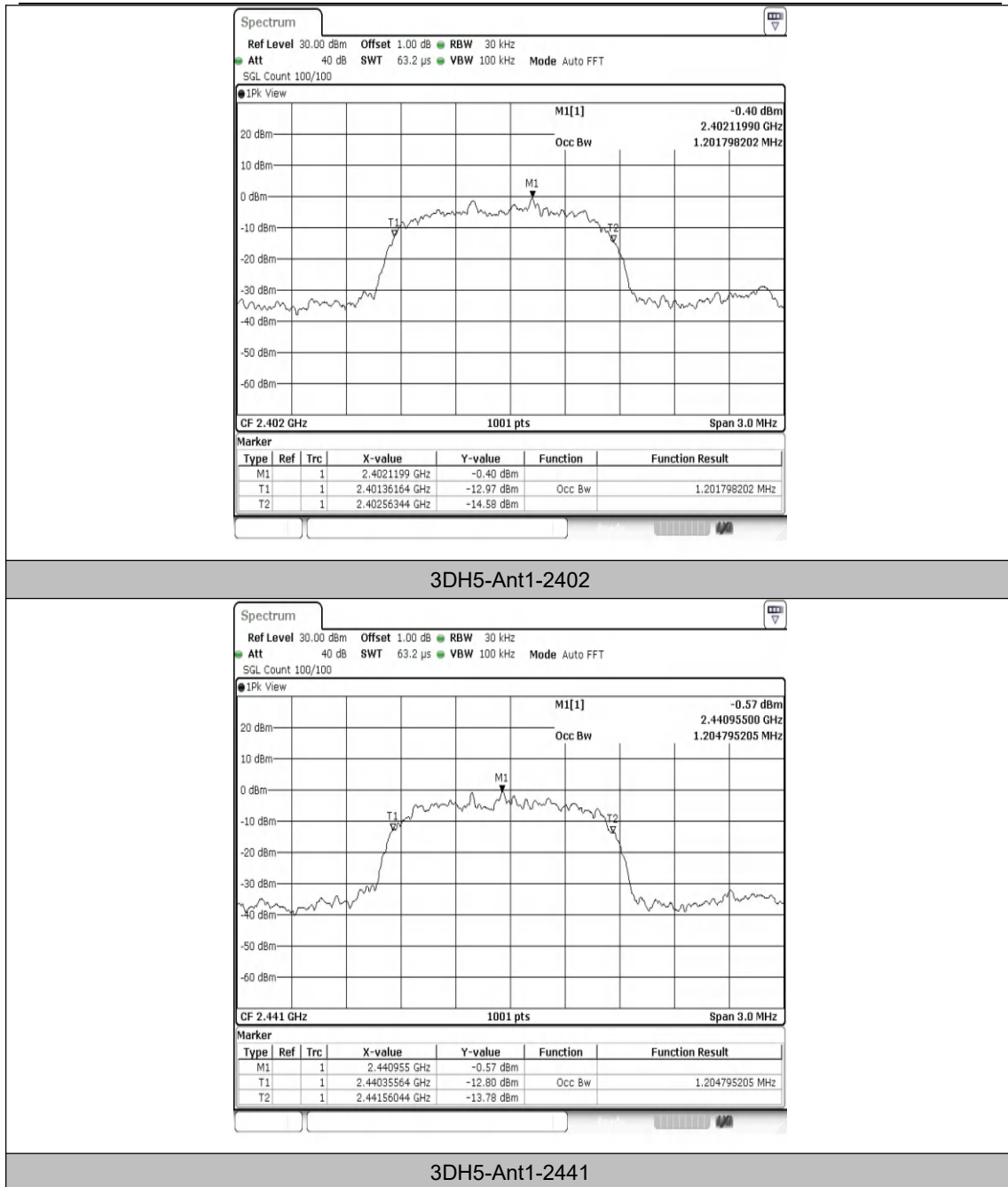


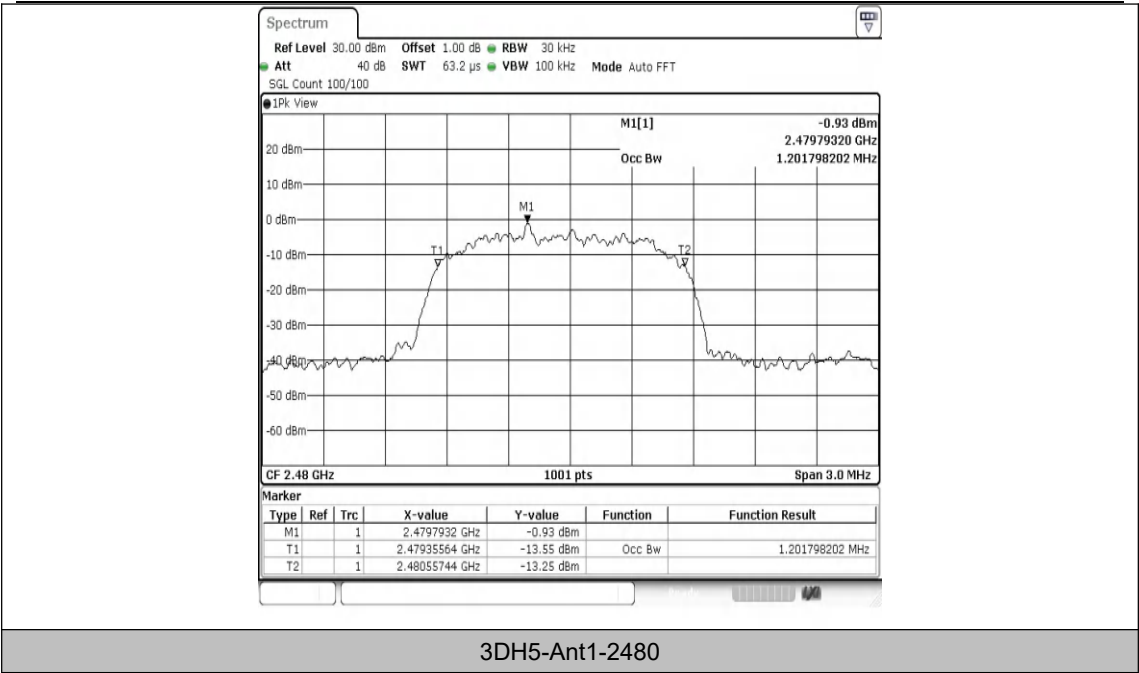


2DH5-Ant1-2441



2DH5-Ant1-2480





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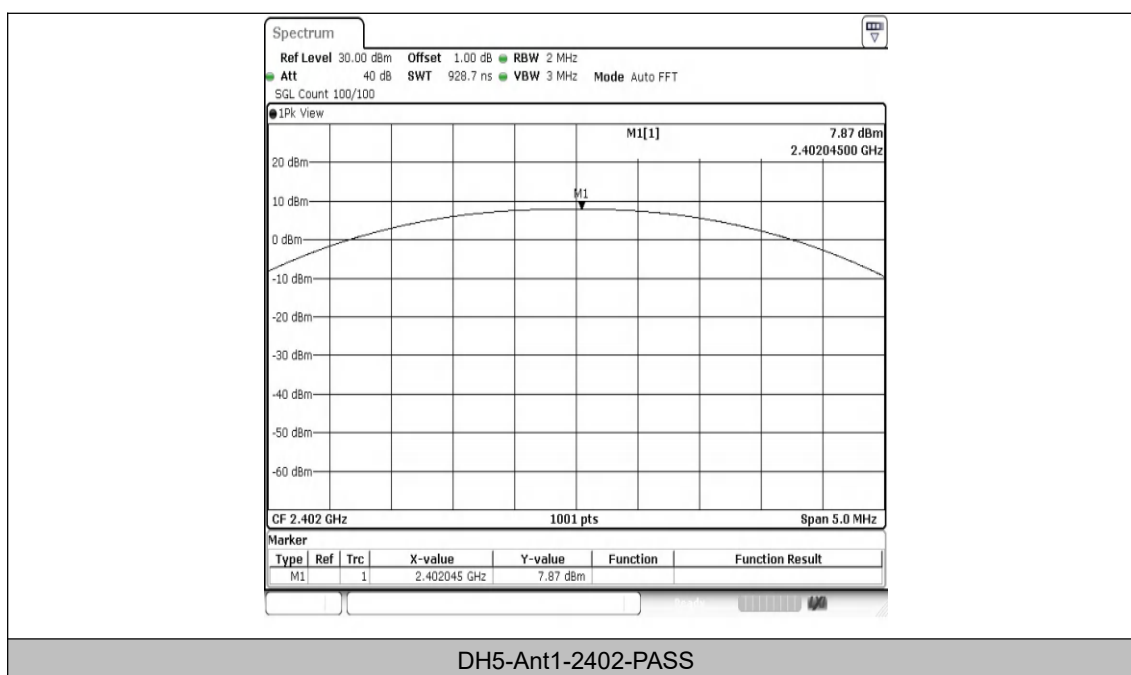
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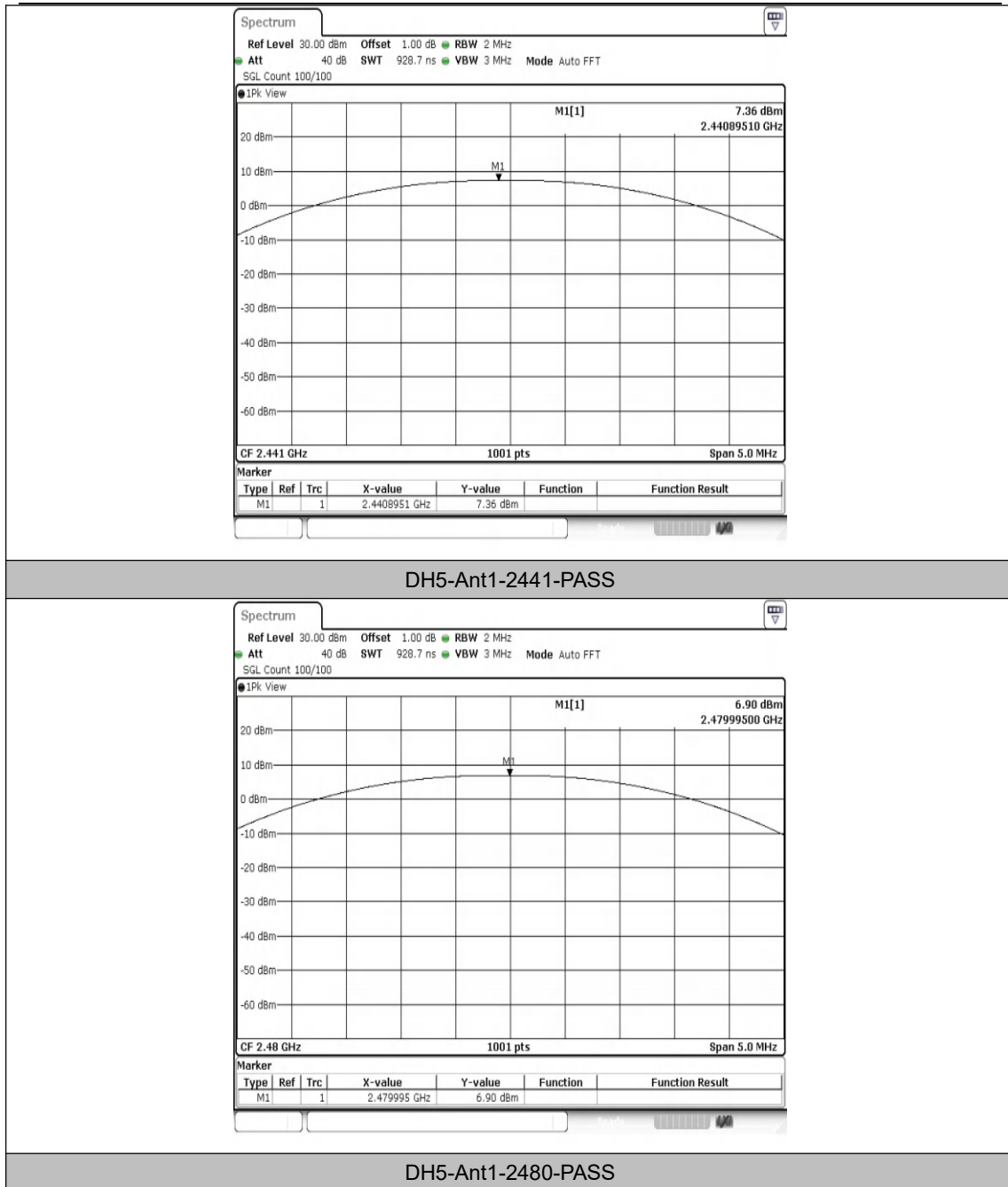
Appendix C: Maximum Conducted Output Power

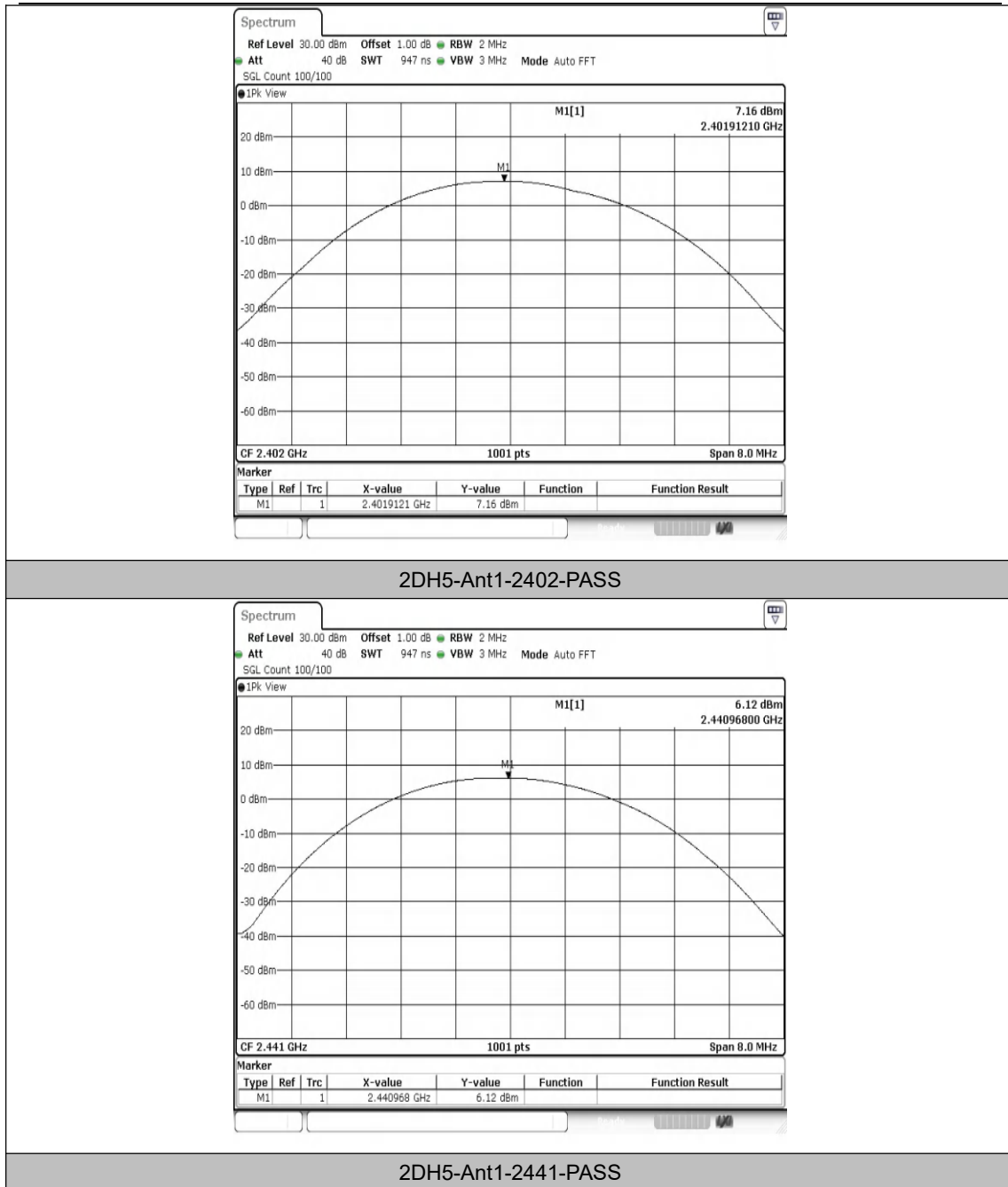
Test Result Peak

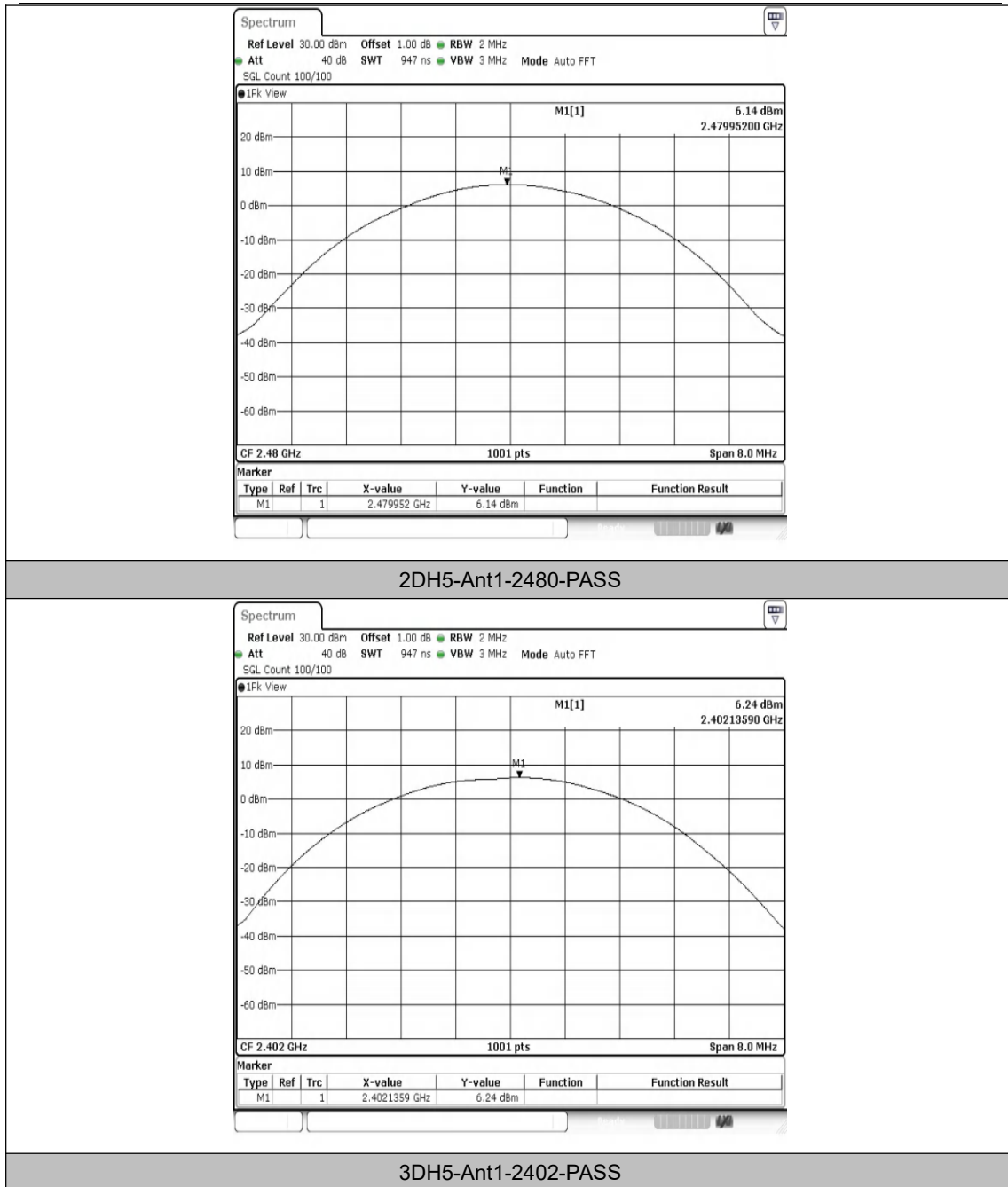
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	7.87	≤20.97	PASS
DH5	Ant1	2441	7.36	≤20.97	PASS
DH5	Ant1	2480	6.90	≤20.97	PASS
2DH5	Ant1	2402	7.16	≤20.97	PASS
2DH5	Ant1	2441	6.12	≤20.97	PASS
2DH5	Ant1	2480	6.14	≤20.97	PASS
3DH5	Ant1	2402	6.24	≤20.97	PASS
3DH5	Ant1	2441	6.51	≤20.97	PASS
3DH5	Ant1	2480	5.97	≤20.97	PASS

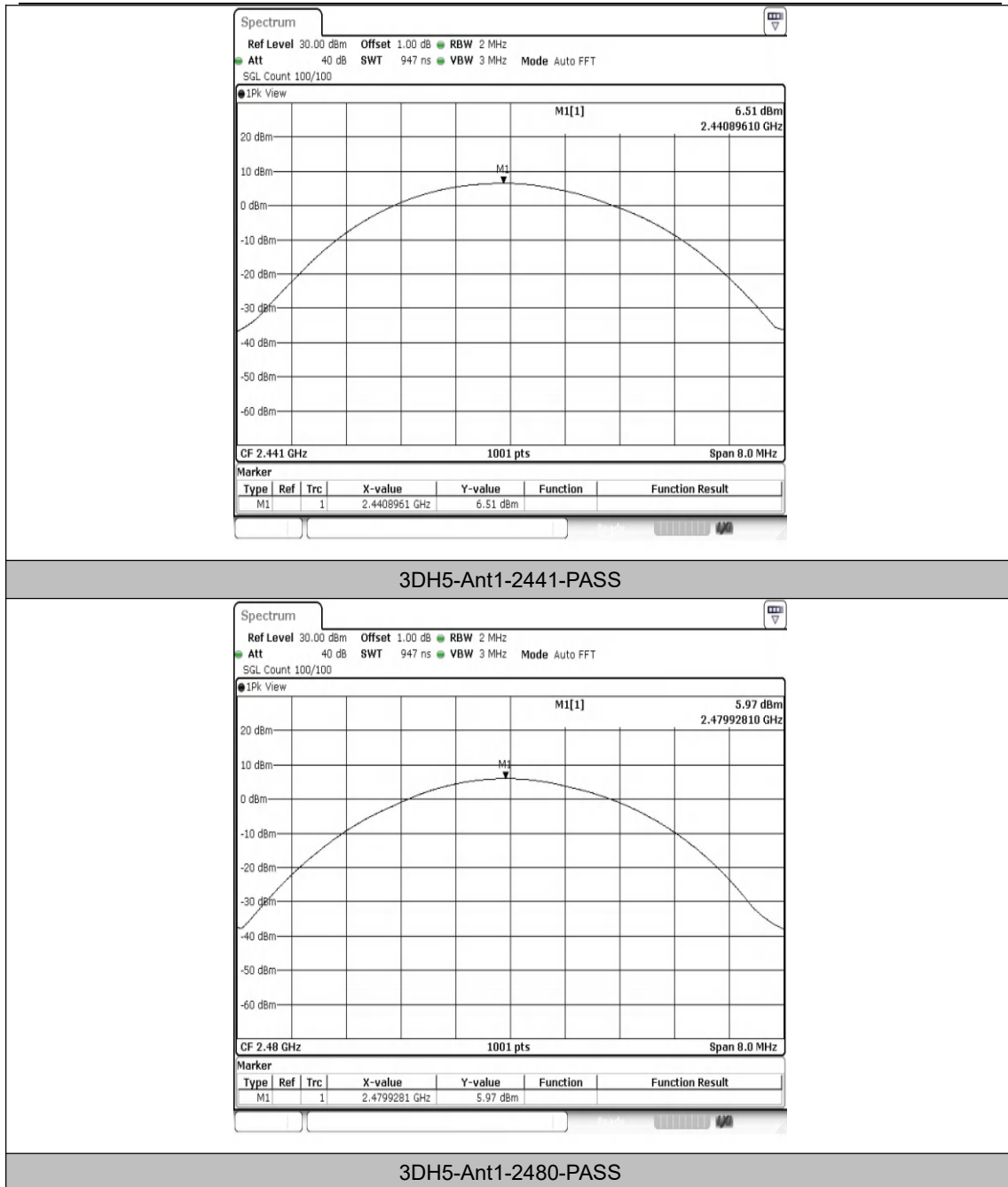
Test Graphs









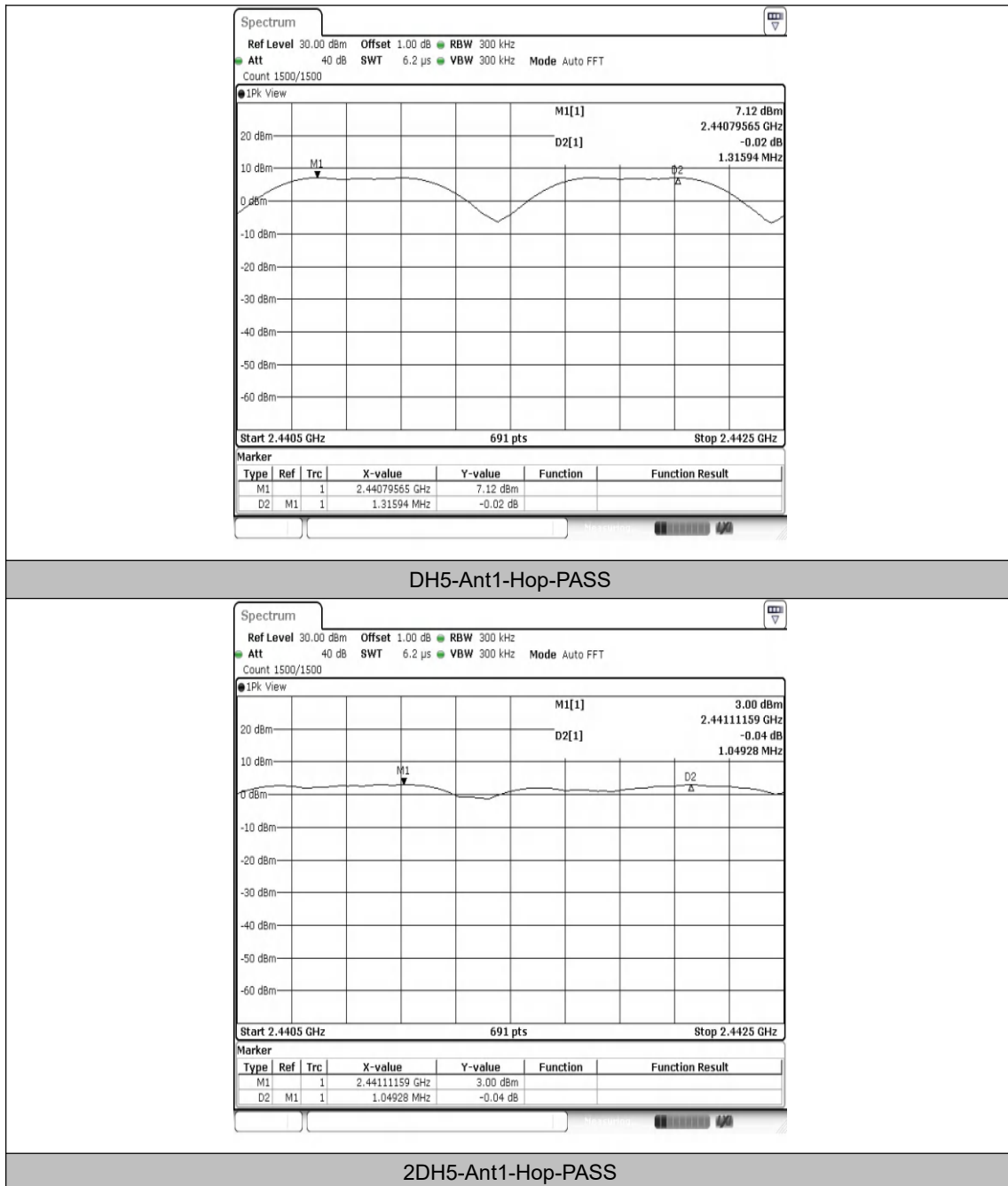


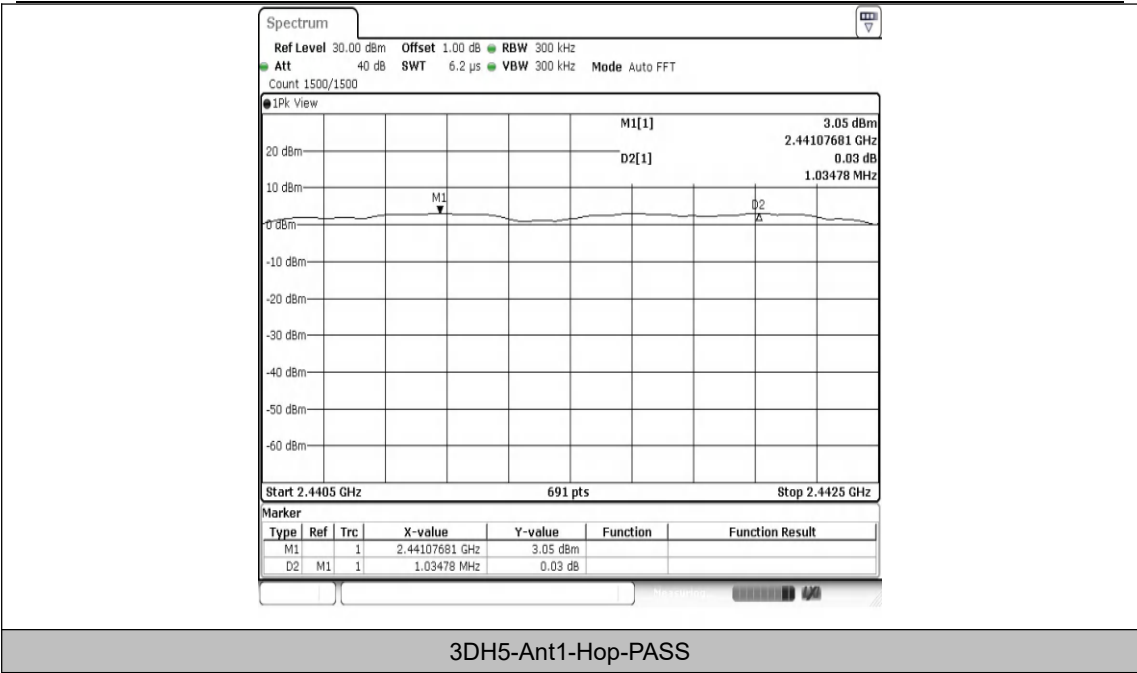
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.316	≥0.970	PASS
2DH5	Ant1	Hop	1.049	≥0.893	PASS
3DH5	Ant1	Hop	1.035	≥0.887	PASS

Test Graphs





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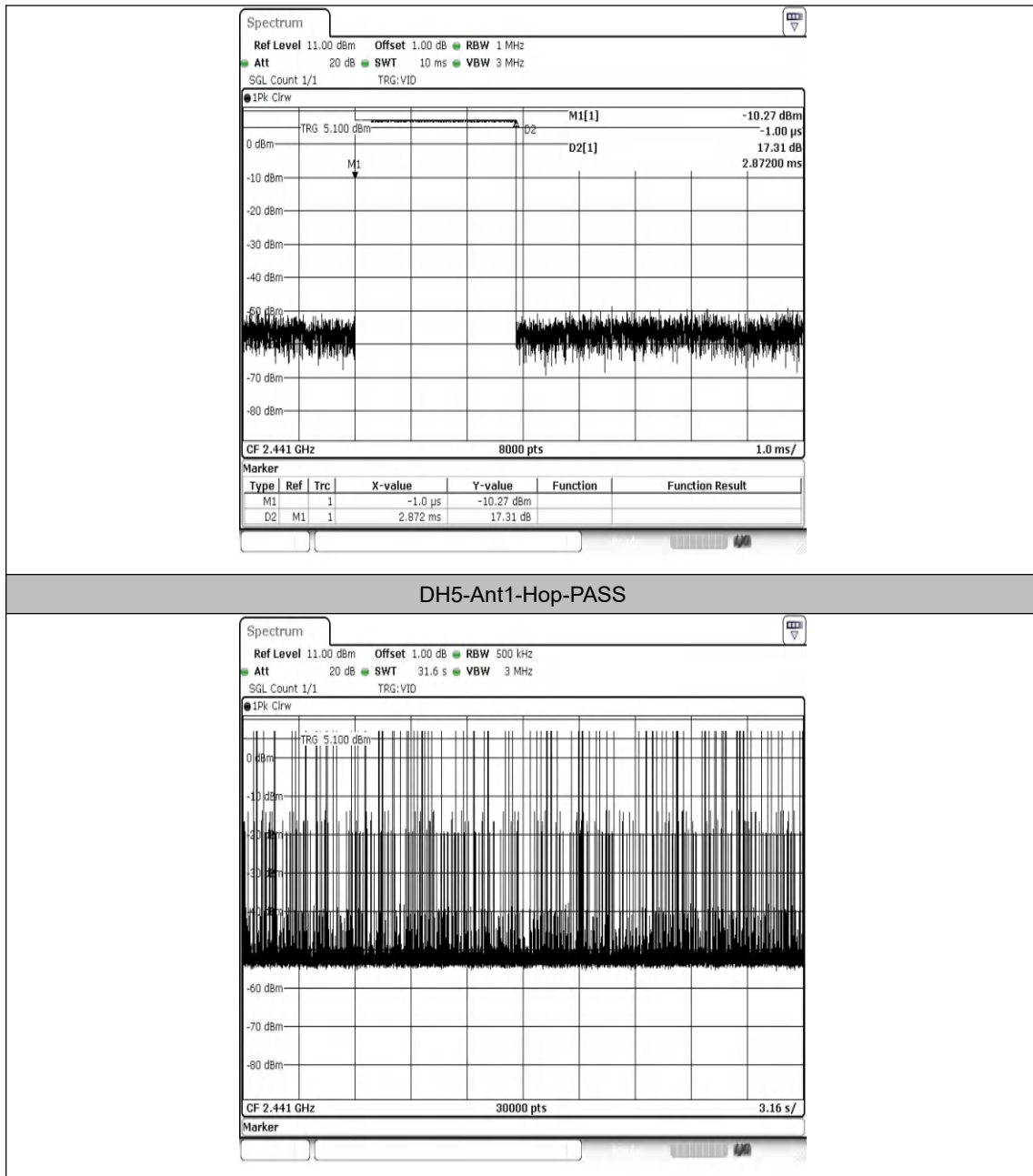
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.872	102	0.293	≤0.4	PASS
2DH5	Ant1	Hop	1.966	117	0.23	≤0.4	PASS
3DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS

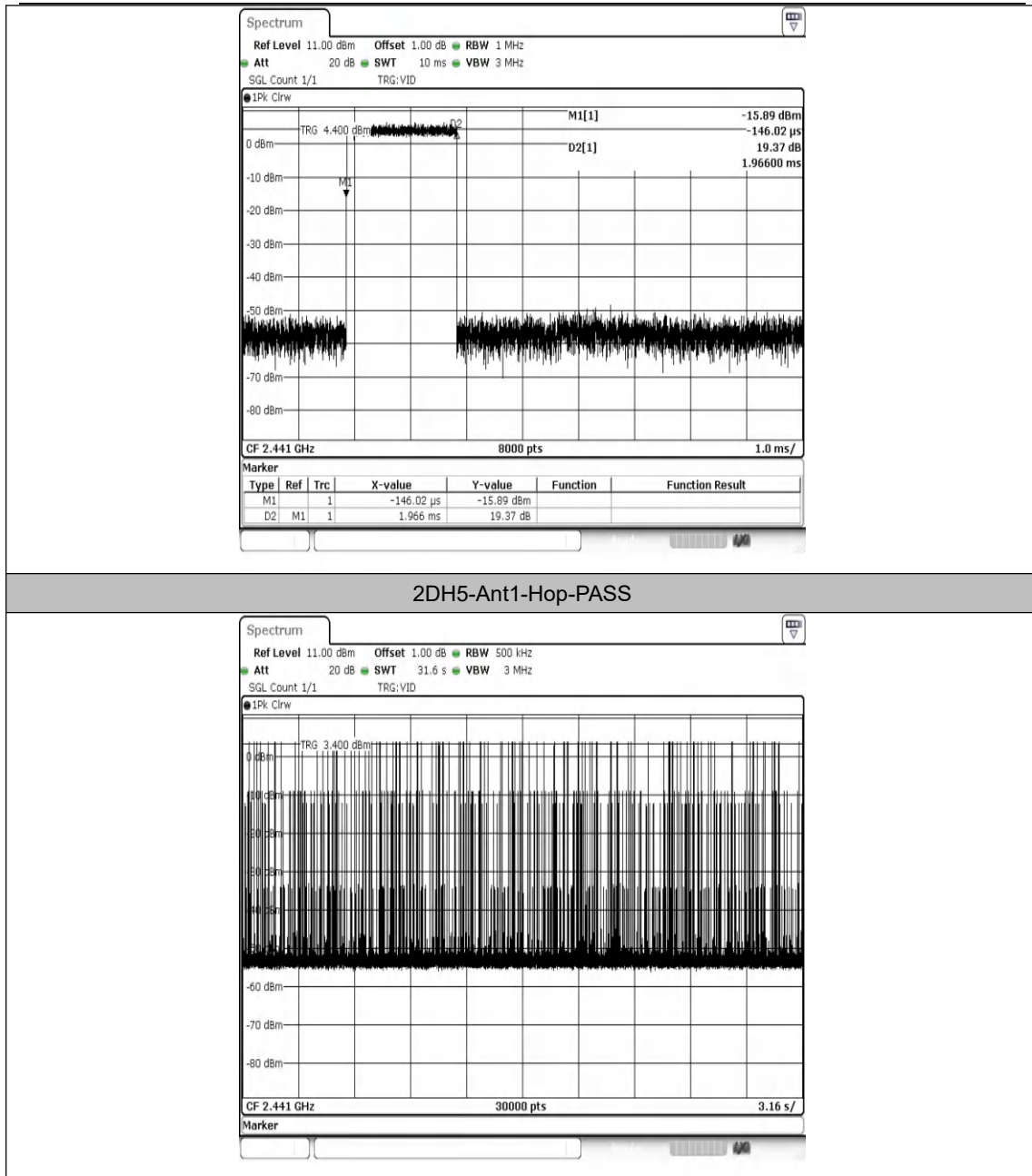
Test Graphs



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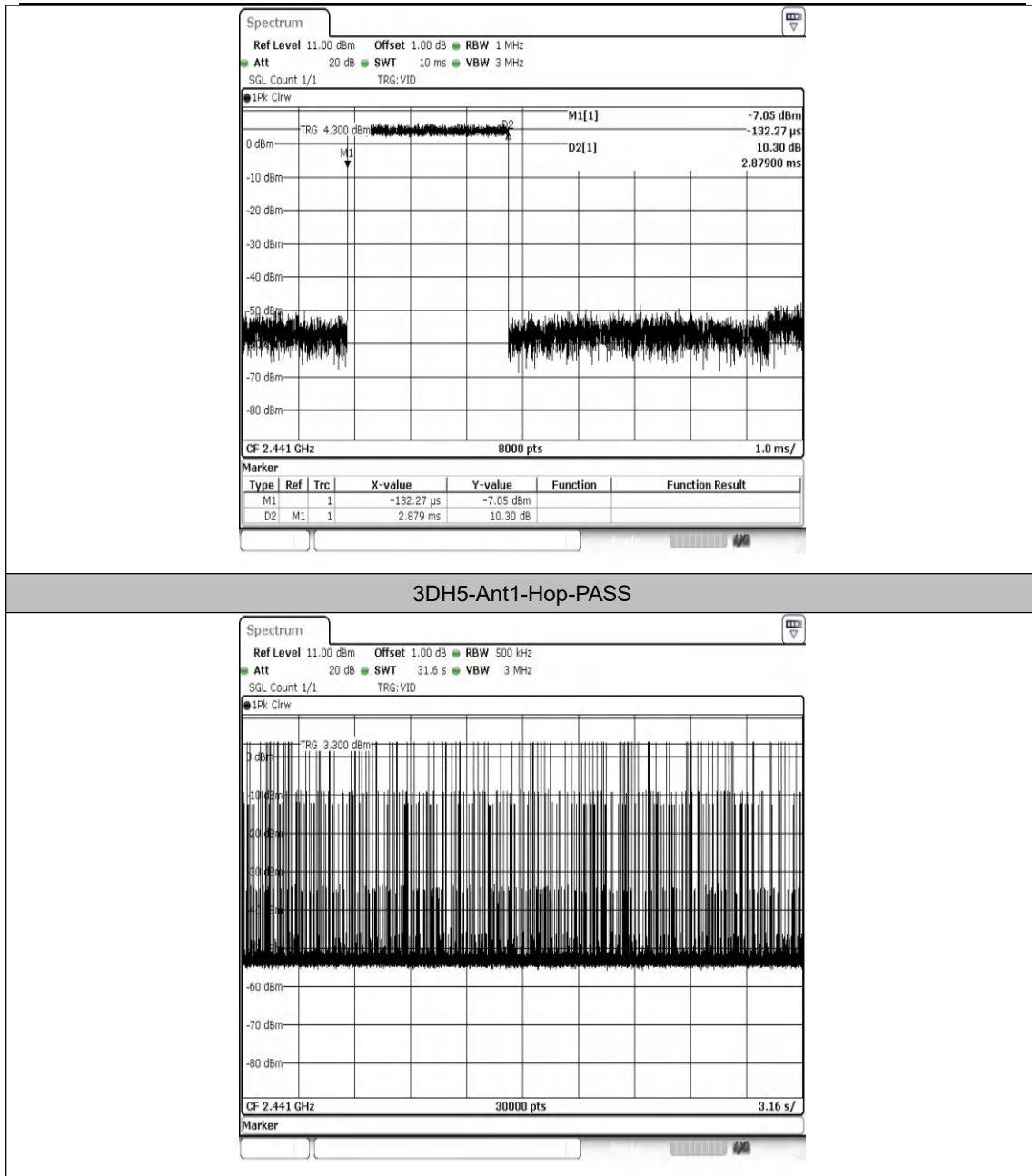
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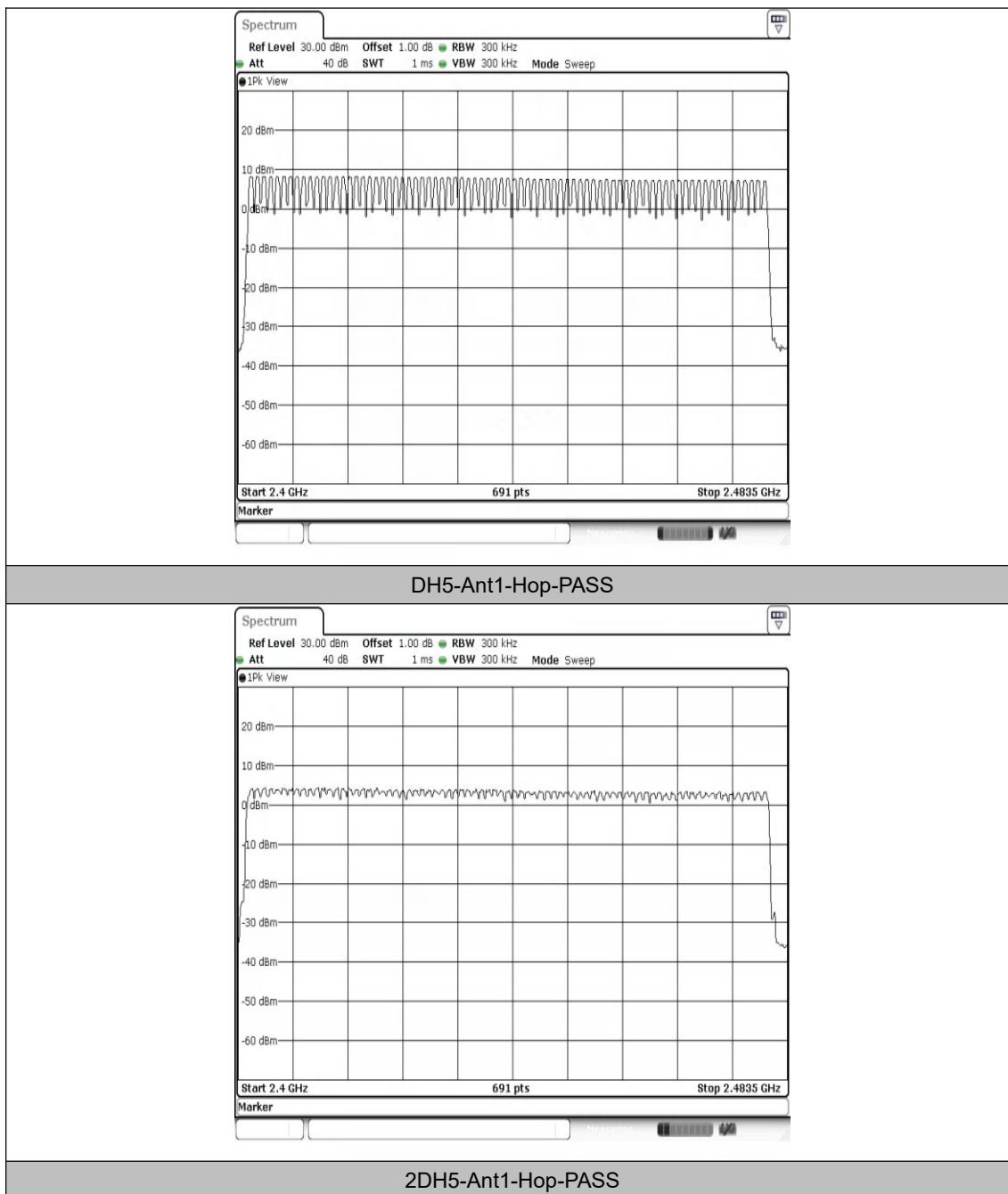
Appendix F: Number of Hopping Channel

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



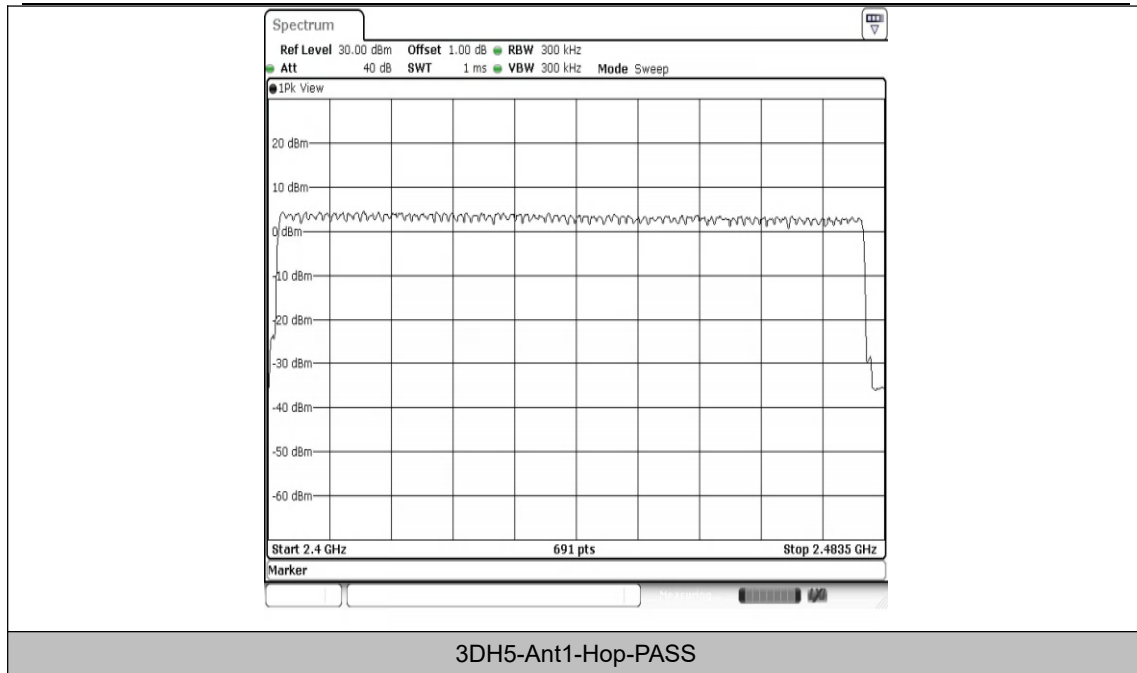
Test Graphs



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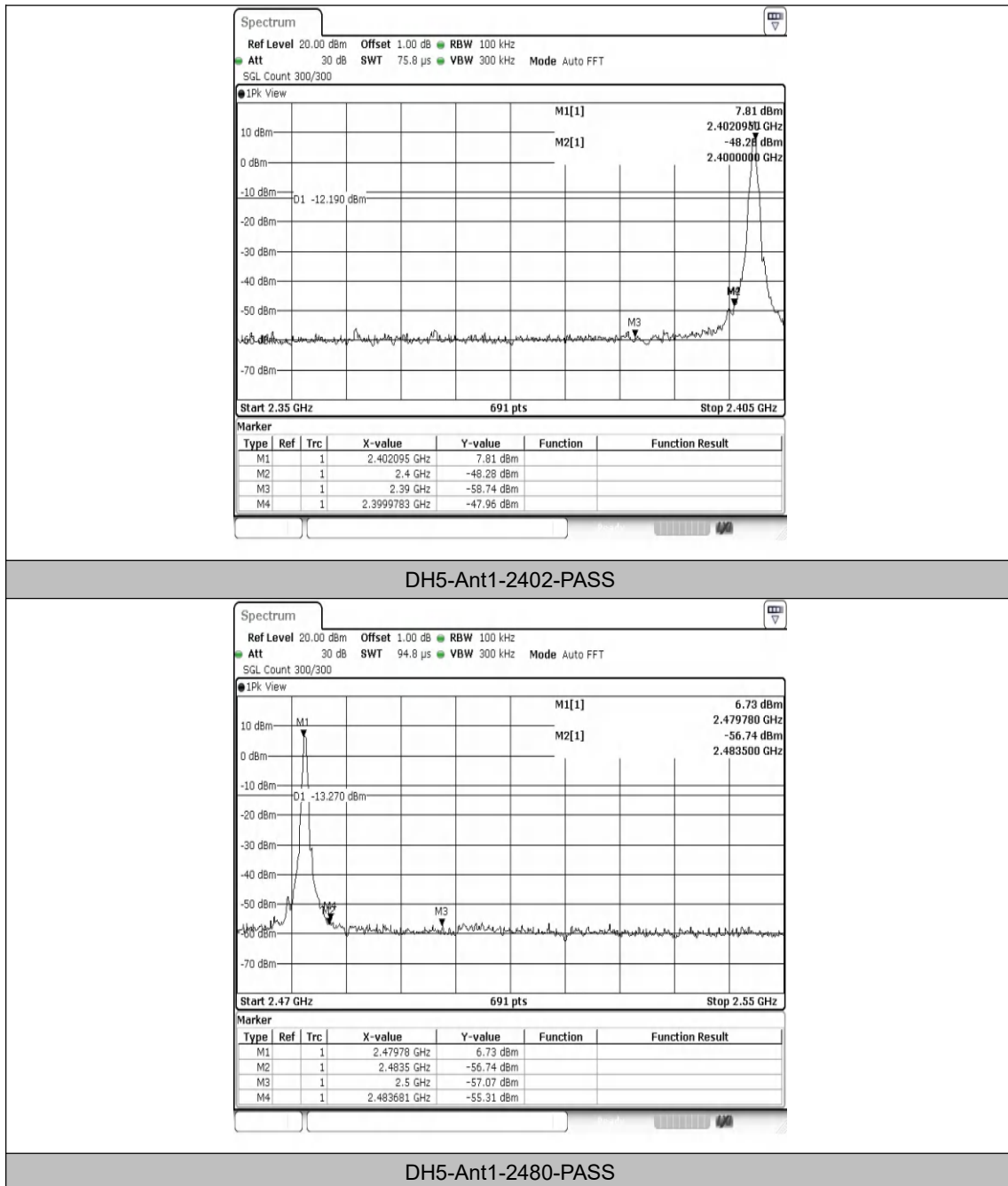
Appendix G: Conducted Band edge

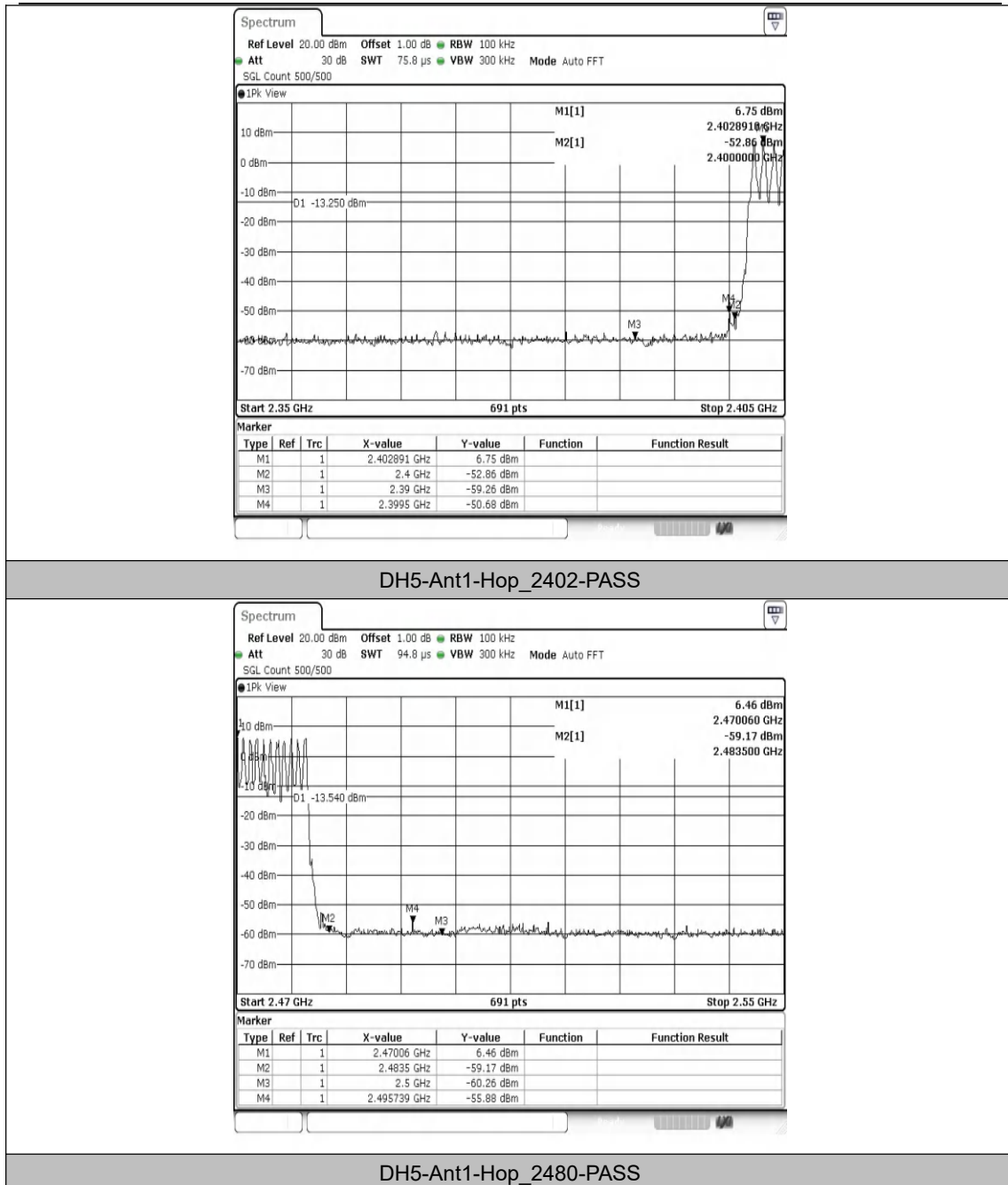
Test Result

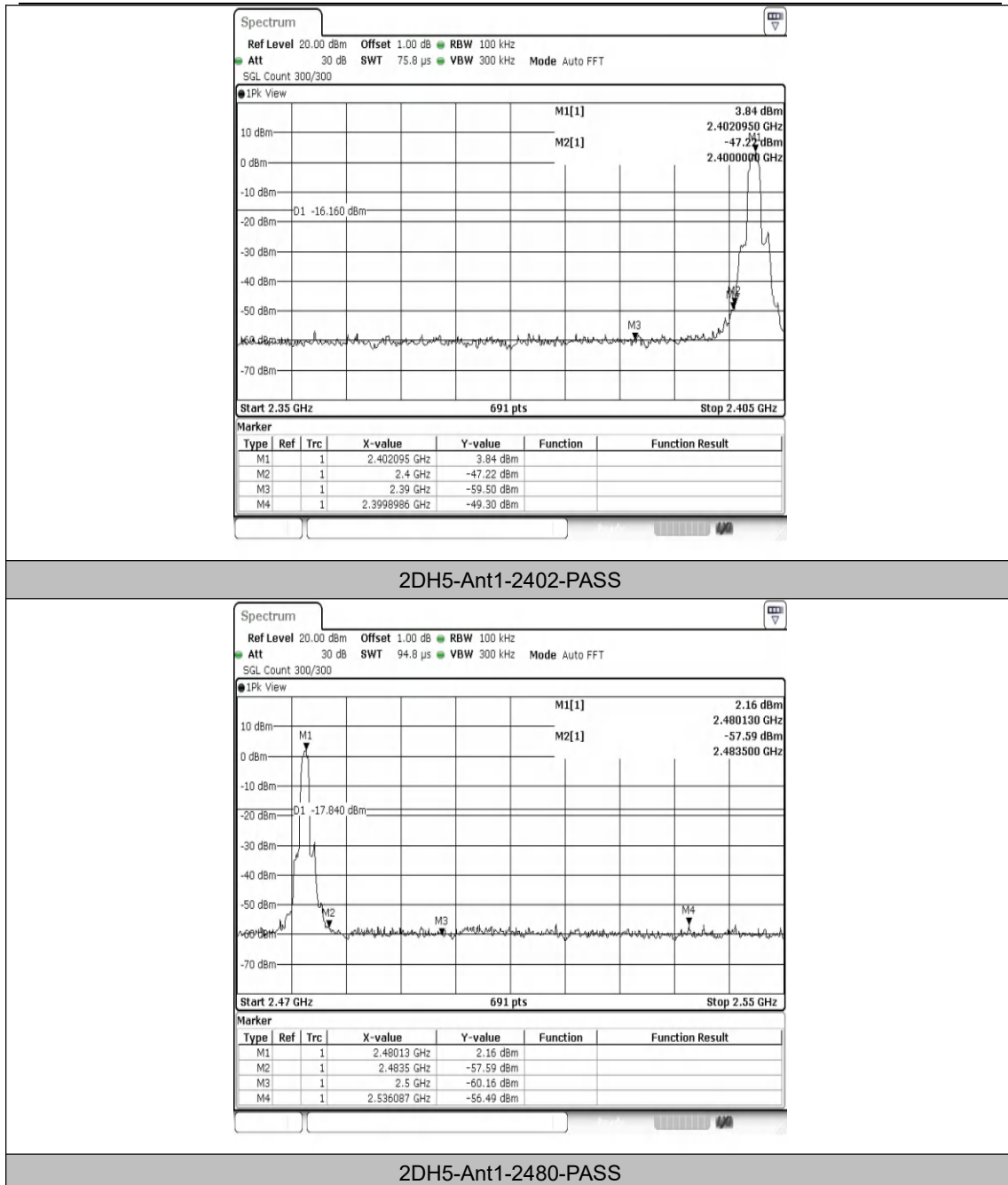
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	7.81	-47.96	≤-12.19	PASS
DH5	Ant1	High	2480	6.73	-55.31	≤-13.27	PASS
DH5	Ant1	Low	Hop_2402	6.75	-50.68	≤-13.25	PASS
DH5	Ant1	High	Hop_2480	6.46	-55.88	≤-13.54	PASS
2DH5	Ant1	Low	2402	3.84	-49.3	≤-16.16	PASS
2DH5	Ant1	High	2480	2.16	-56.49	≤-17.84	PASS
2DH5	Ant1	Low	Hop_2402	0.37	-56.97	≤-19.63	PASS
2DH5	Ant1	High	Hop_2480	0.62	-55.91	≤-19.38	PASS
3DH5	Ant1	Low	2402	2.50	-49.08	≤-17.5	PASS
3DH5	Ant1	High	2480	2.11	-56.14	≤-17.89	PASS
3DH5	Ant1	Low	Hop_2402	1.78	-52.27	≤-18.22	PASS
3DH5	Ant1	High	Hop_2480	1.09	-57.01	≤-18.91	PASS

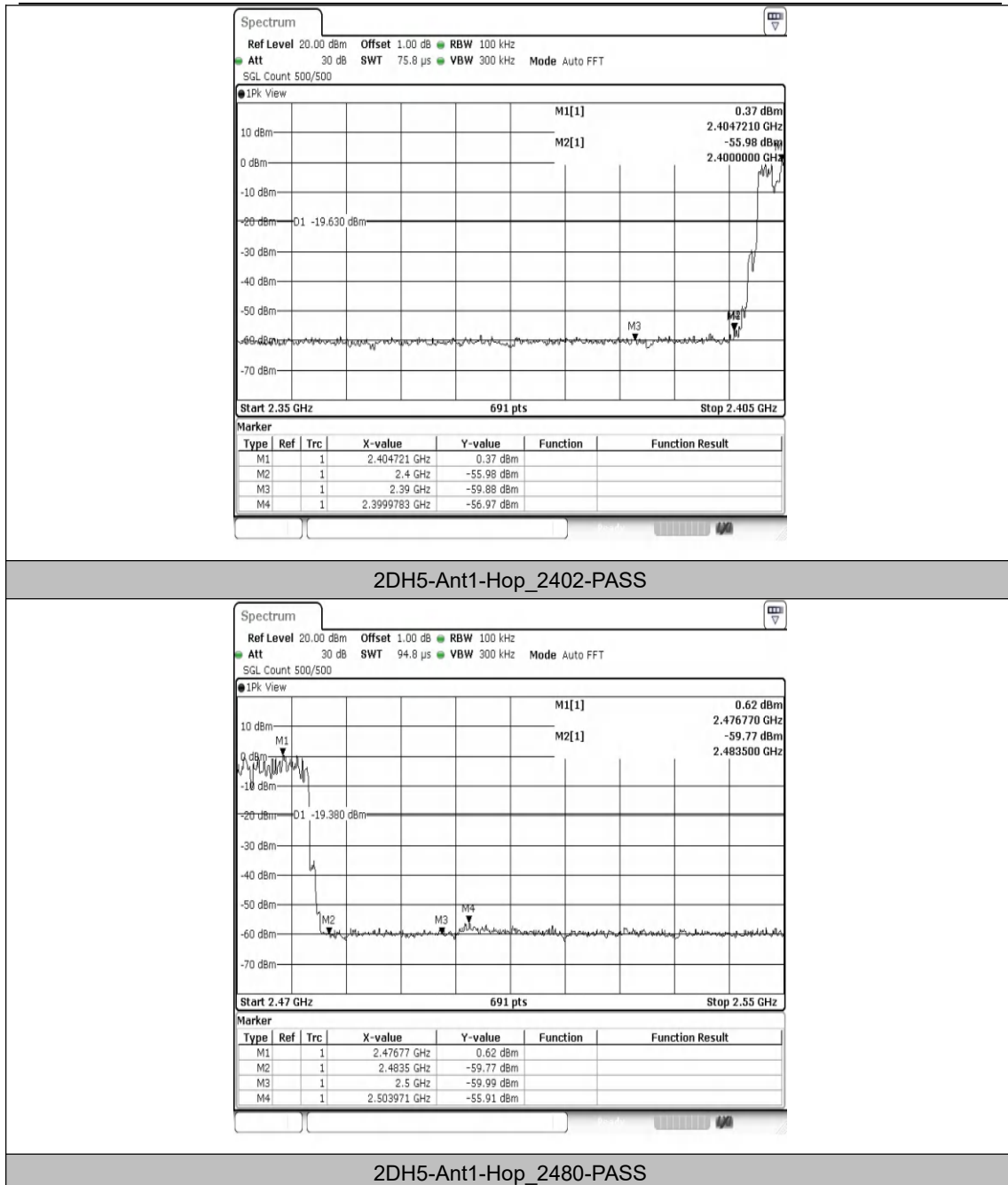
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

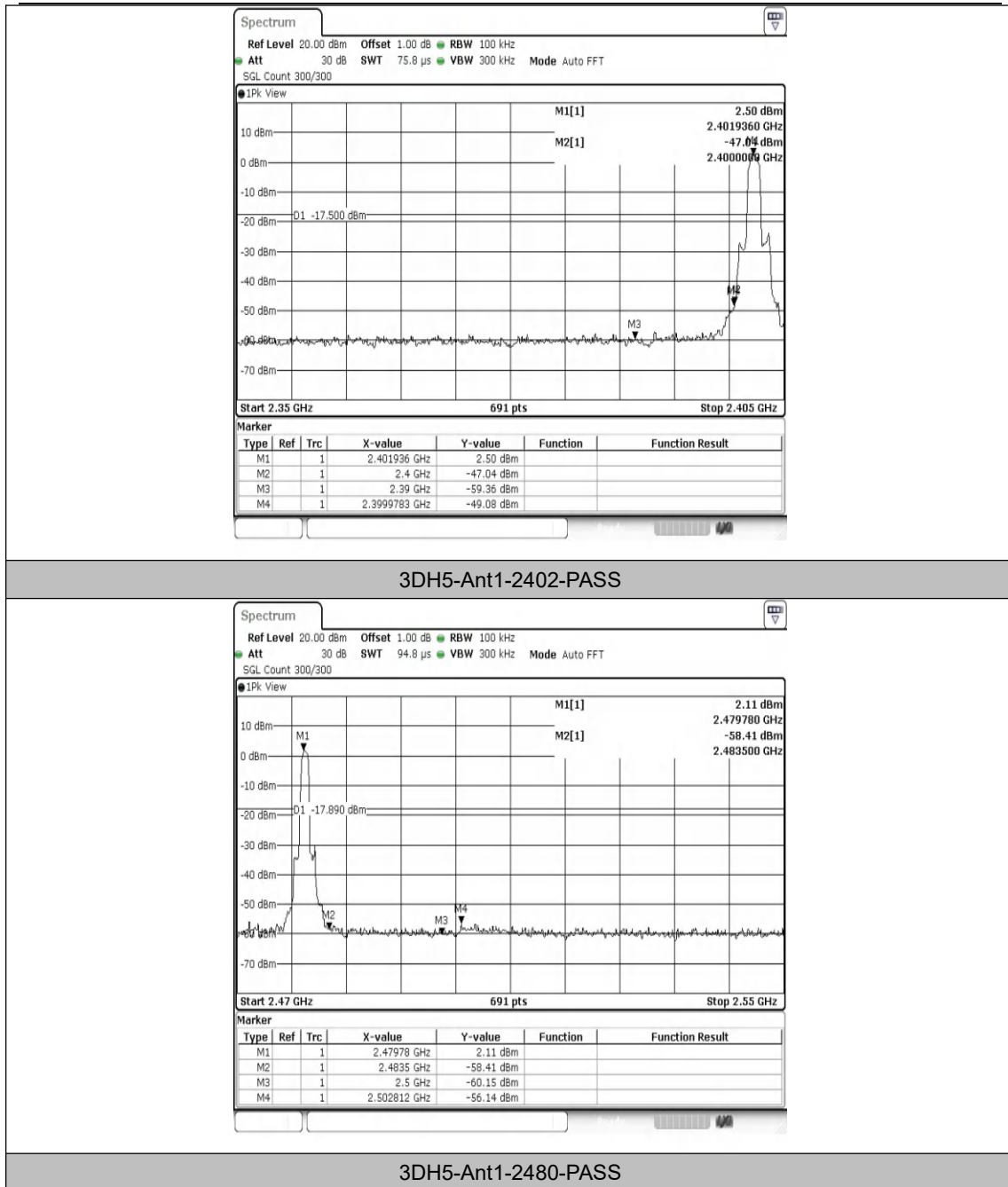
Test Graphs

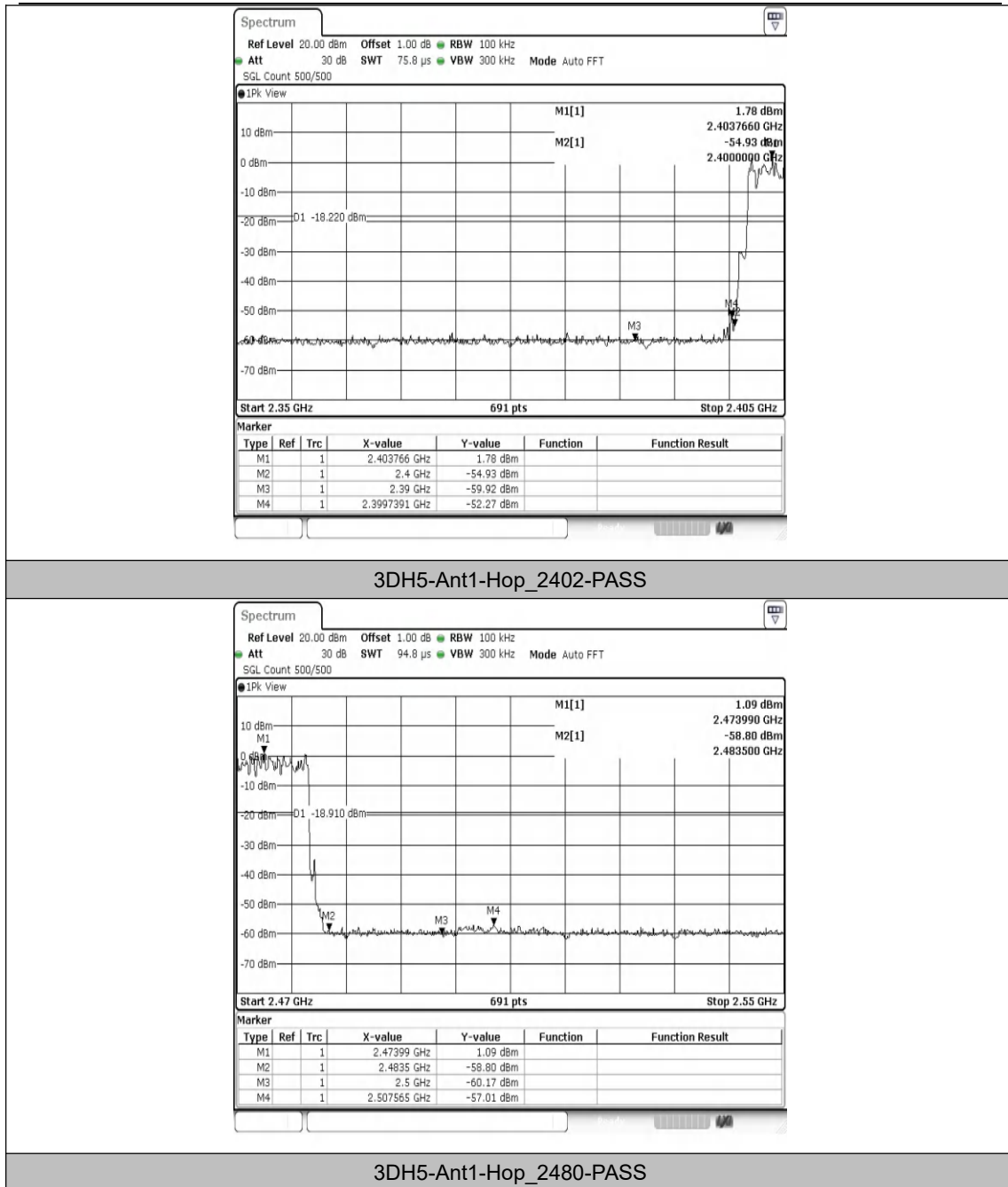












Appendix H: Conducted Spurious Emission

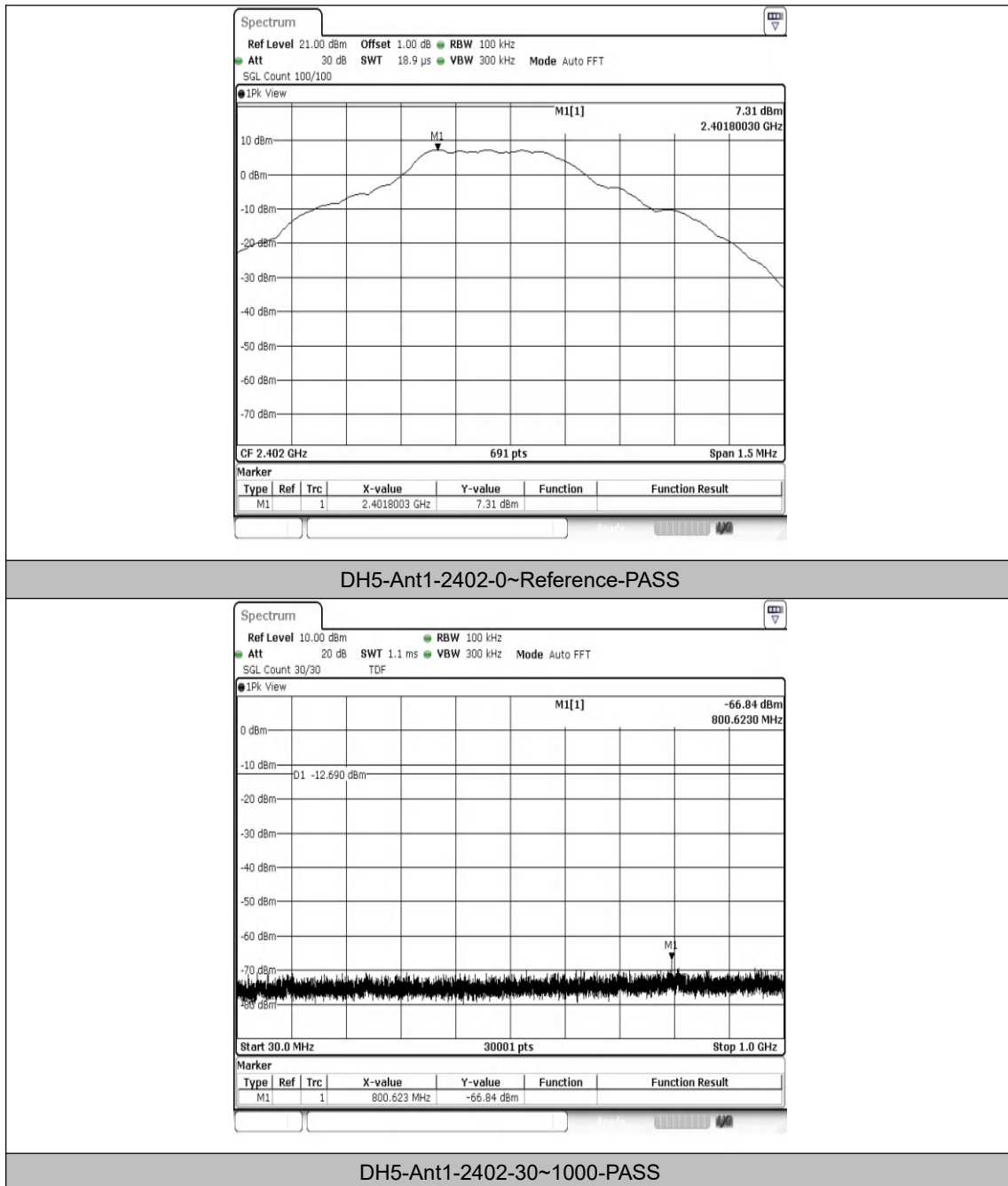
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	7.31	7.31	---	PASS
DH5	Ant1	2402	30~1000	7.31	-66.84	≤-12.69	PASS
DH5	Ant1	2402	1000~26500	7.31	-39.25	≤-12.69	PASS
DH5	Ant1	2441	0~Reference	6.79	6.79	---	PASS
DH5	Ant1	2441	30~1000	6.79	-68.78	≤-13.21	PASS
DH5	Ant1	2441	1000~26500	6.79	-39.58	≤-13.21	PASS
DH5	Ant1	2480	0~Reference	6.19	6.19	---	PASS
DH5	Ant1	2480	30~1000	6.19	-68.85	≤-13.81	PASS
DH5	Ant1	2480	1000~26500	6.19	-43.88	≤-13.81	PASS
2DH5	Ant1	2402	0~Reference	2.76	2.76	---	PASS
2DH5	Ant1	2402	30~1000	2.76	-68.97	≤-17.24	PASS
2DH5	Ant1	2402	1000~26500	2.76	-44.13	≤-17.24	PASS
2DH5	Ant1	2441	0~Reference	1.27	1.27	---	PASS
2DH5	Ant1	2441	30~1000	1.27	-69.31	≤-18.73	PASS
2DH5	Ant1	2441	1000~26500	1.27	-47.31	≤-18.73	PASS
2DH5	Ant1	2480	0~Reference	1.64	1.64	---	PASS
2DH5	Ant1	2480	30~1000	1.64	-67.97	≤-18.36	PASS
2DH5	Ant1	2480	1000~26500	1.64	-50.36	≤-18.36	PASS
3DH5	Ant1	2402	0~Reference	2.90	2.90	---	PASS
3DH5	Ant1	2402	30~1000	2.90	-67.92	≤-17.1	PASS
3DH5	Ant1	2402	1000~26500	2.90	-45.53	≤-17.1	PASS
3DH5	Ant1	2441	0~Reference	2.00	2.00	---	PASS
3DH5	Ant1	2441	30~1000	2.00	-69.14	≤-18	PASS
3DH5	Ant1	2441	1000~26500	2.00	-46.81	≤-18	PASS
3DH5	Ant1	2480	0~Reference	1.83	1.83	---	PASS
3DH5	Ant1	2480	30~1000	1.83	-68.69	≤-18.17	PASS
3DH5	Ant1	2480	1000~26500	1.83	-48.79	≤-18.17	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.



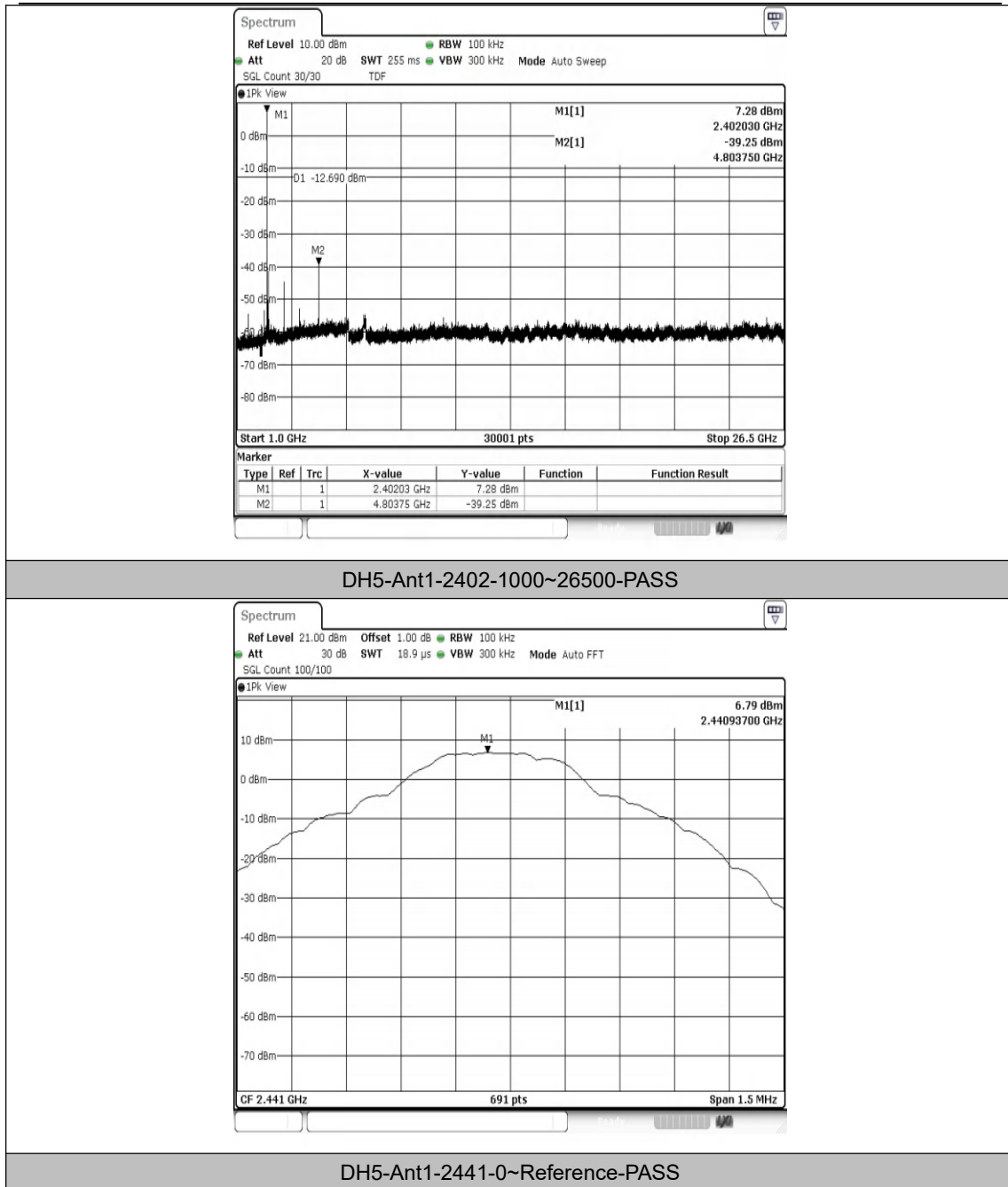
Test Graphs

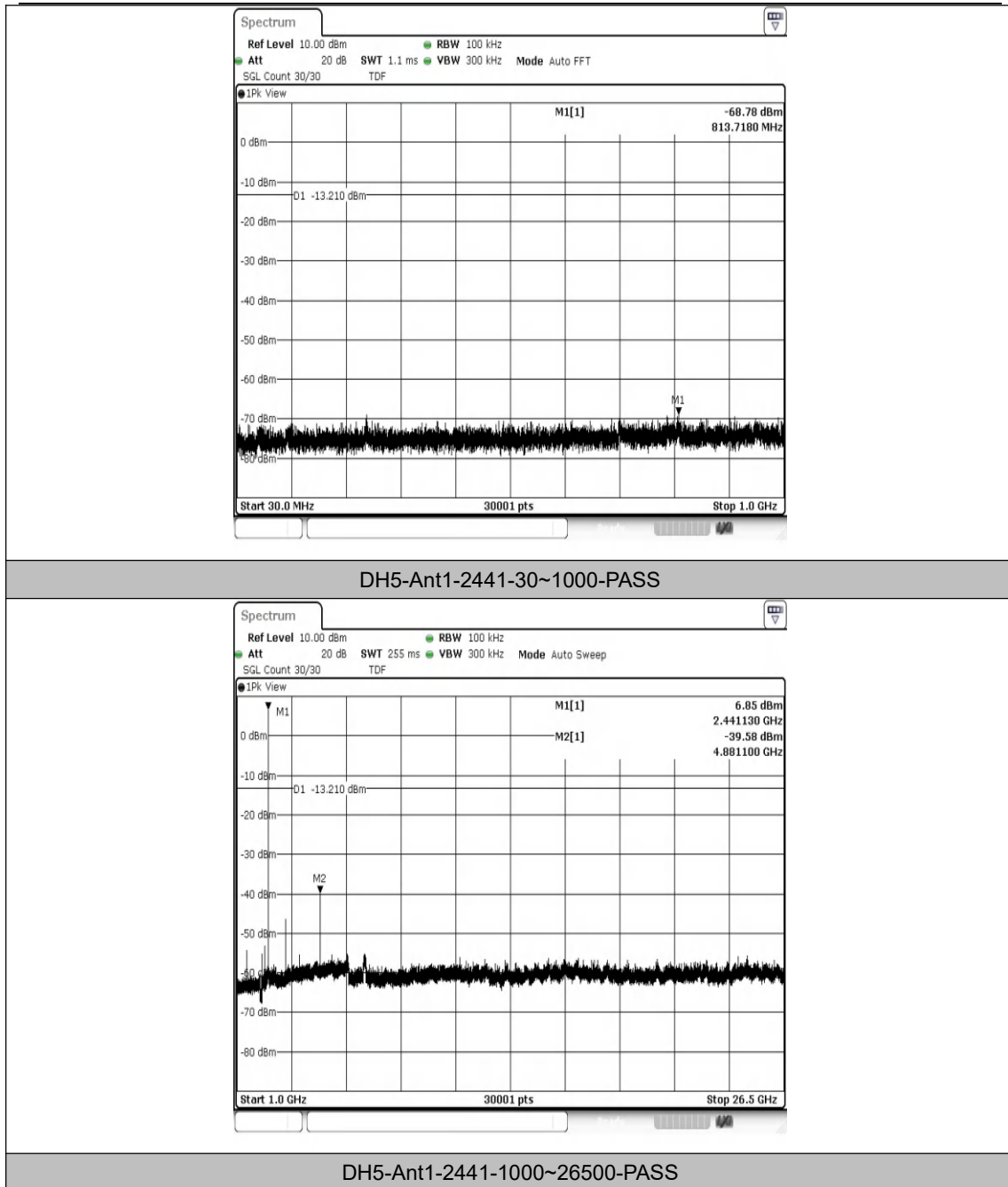


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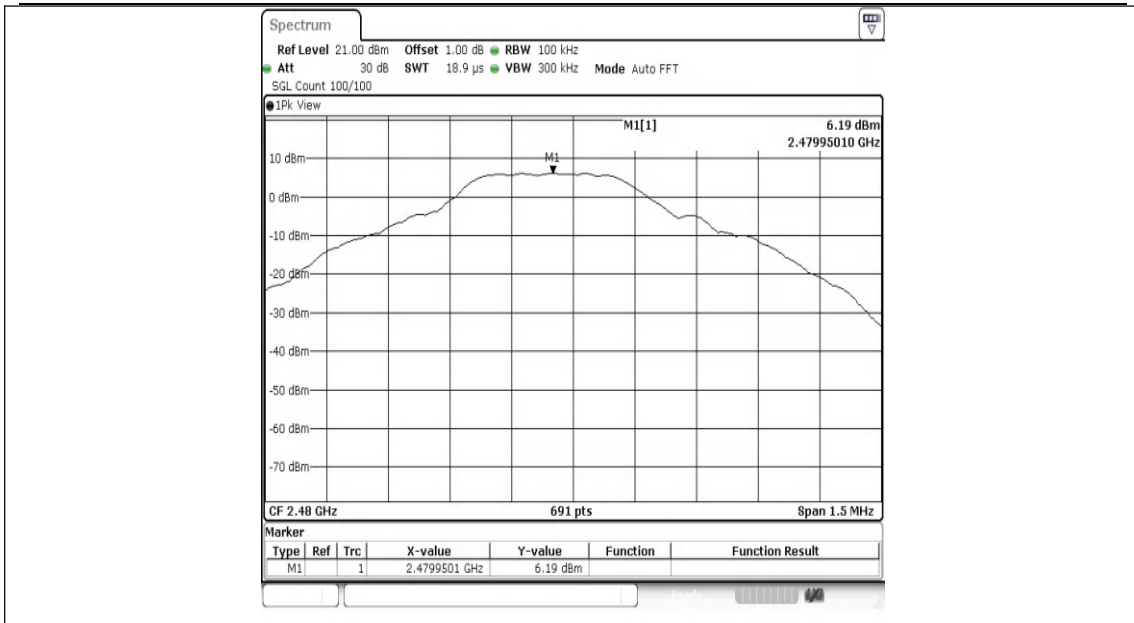




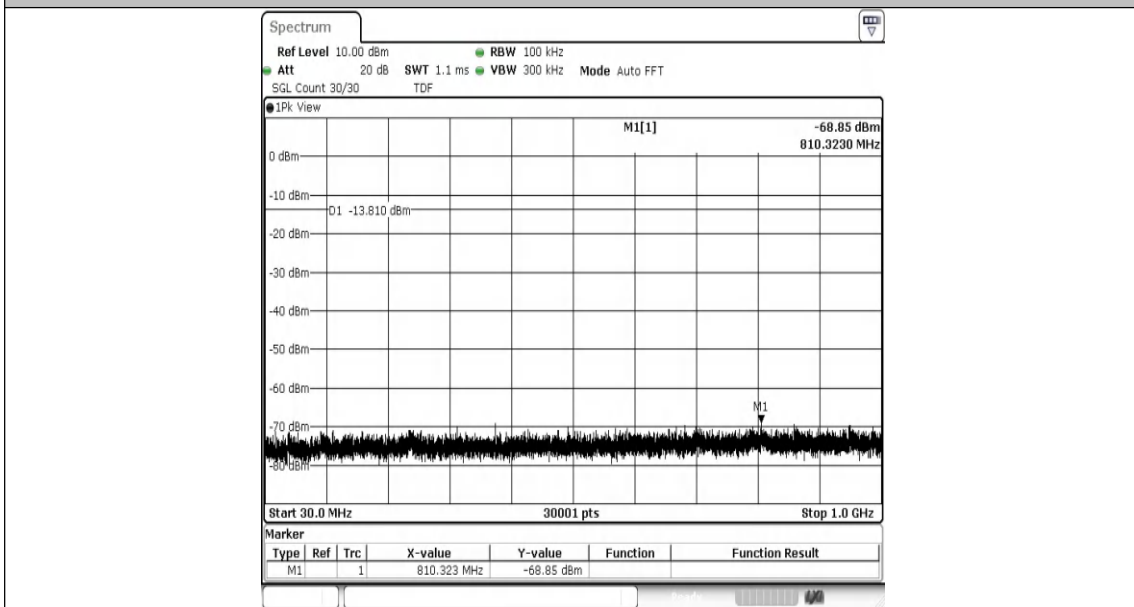
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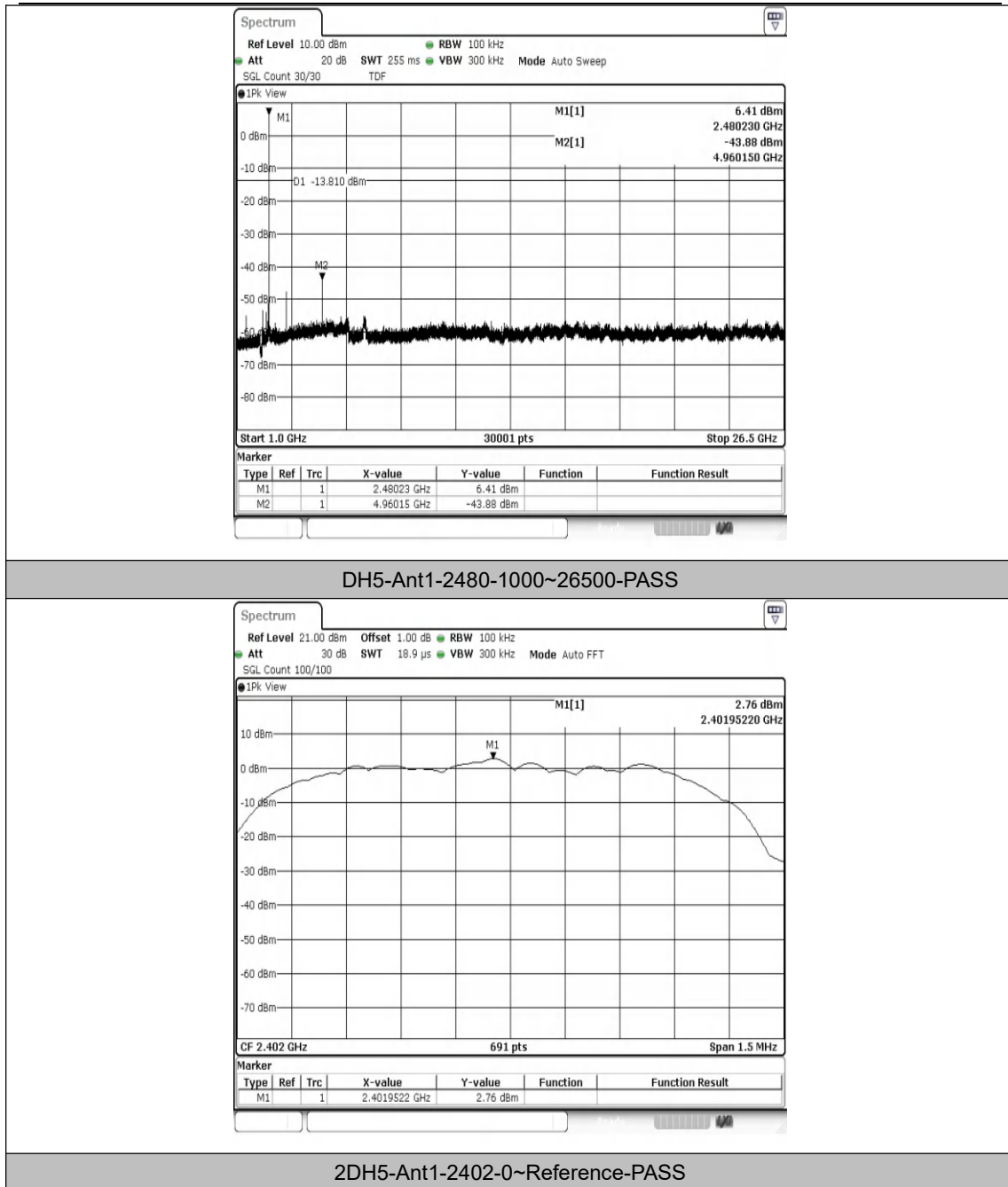
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DH5-Ant1-2480-0~Reference-PASS



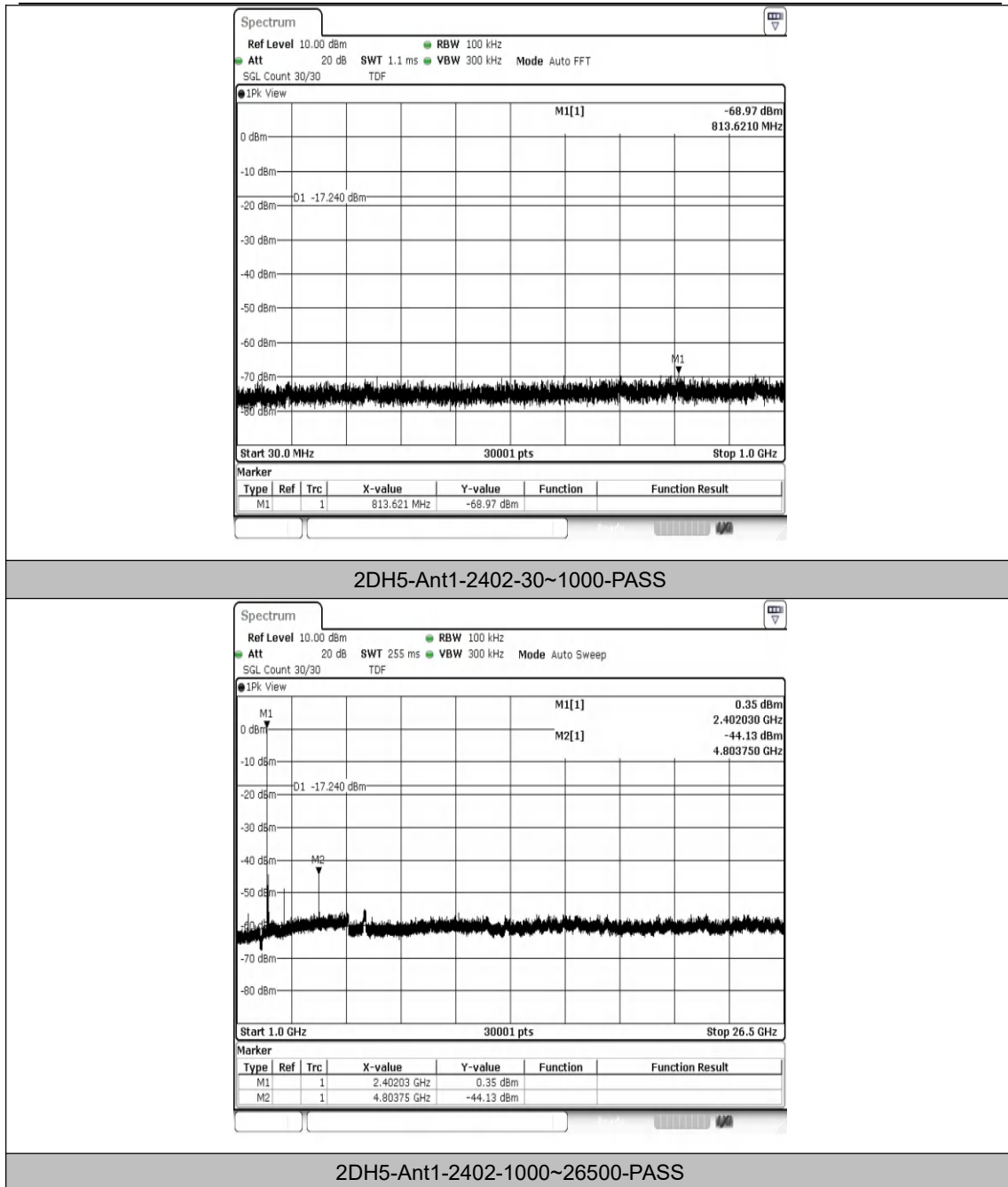
DH5-Ant1-2480-30~1000-PASS



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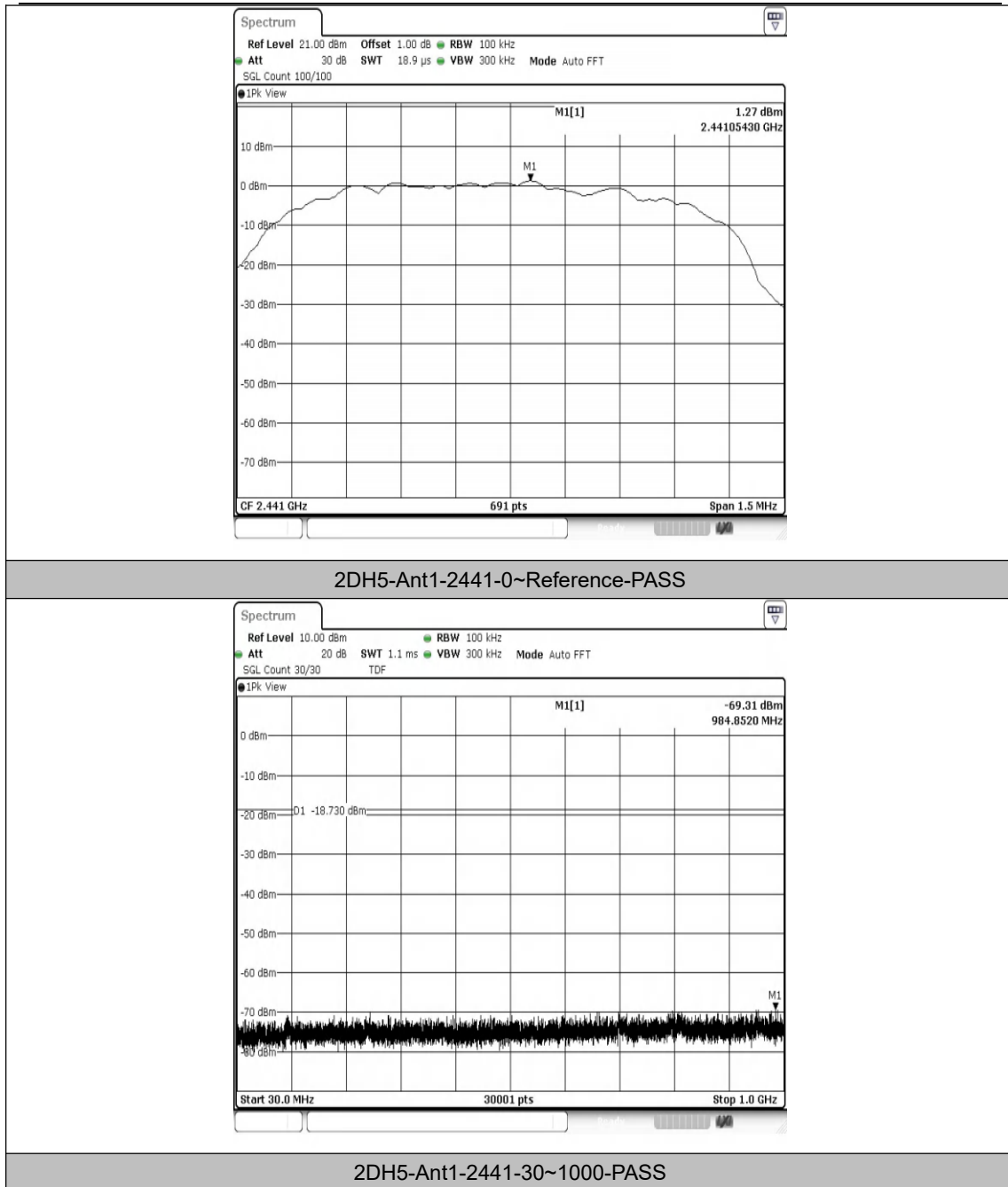
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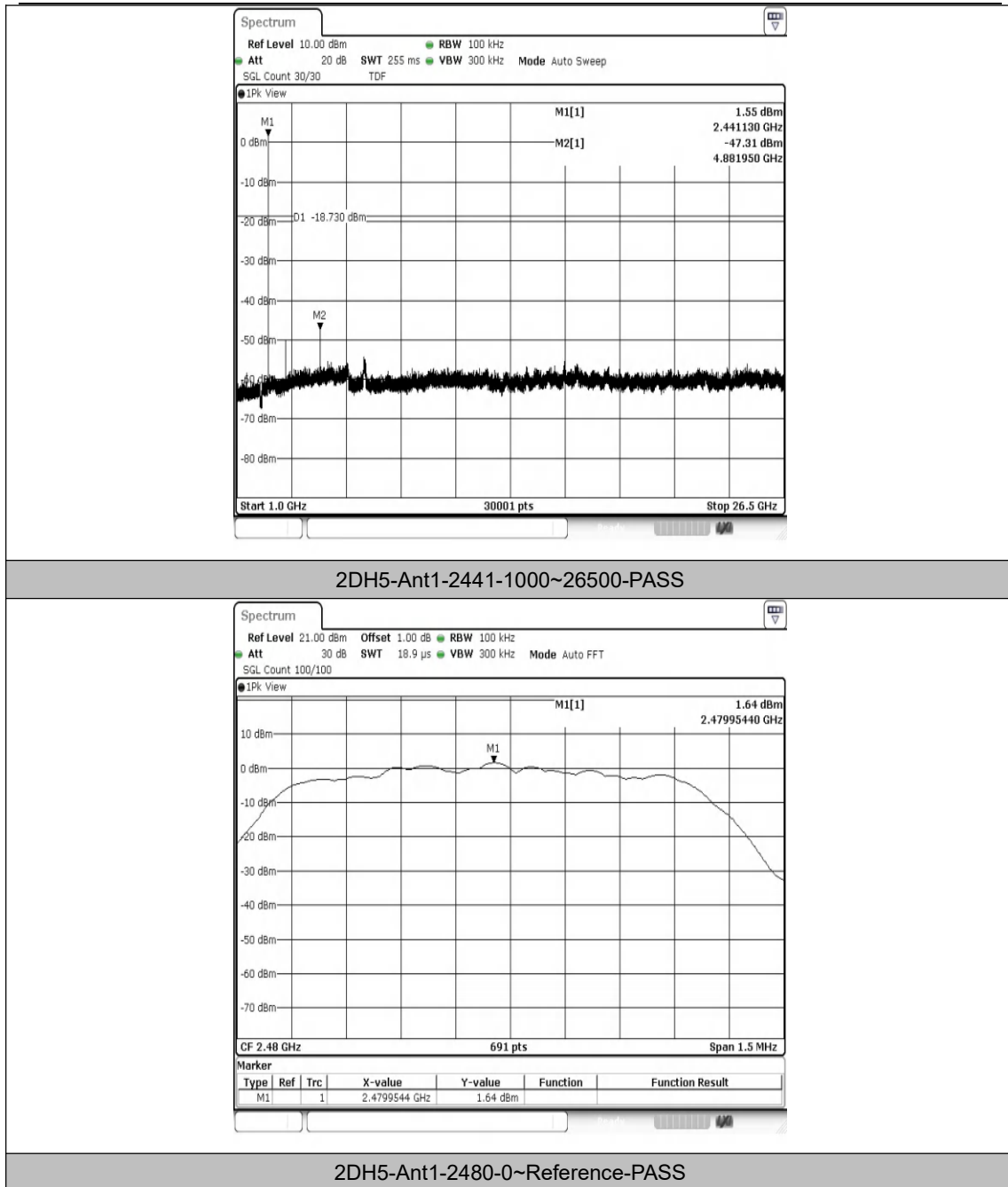


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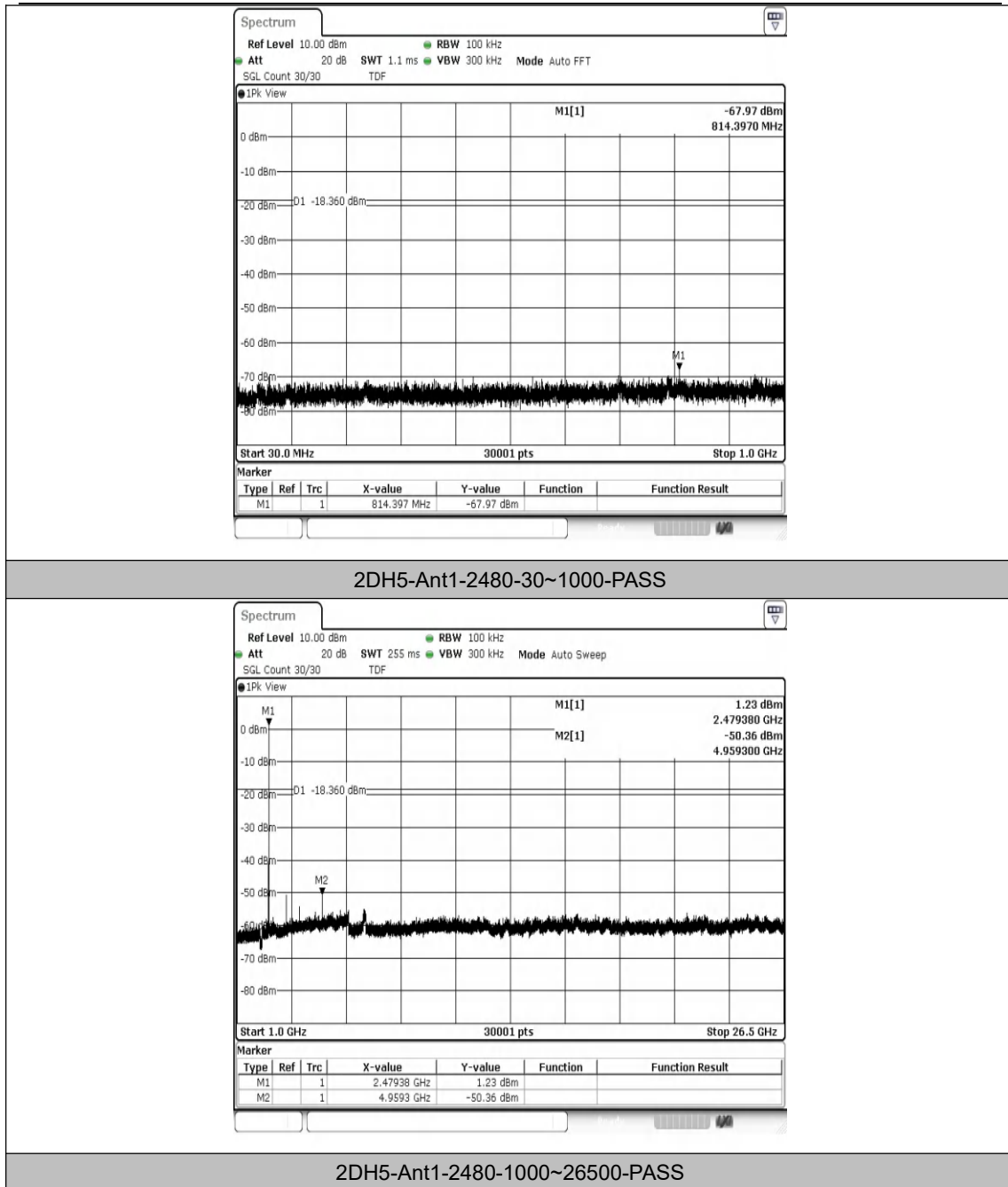




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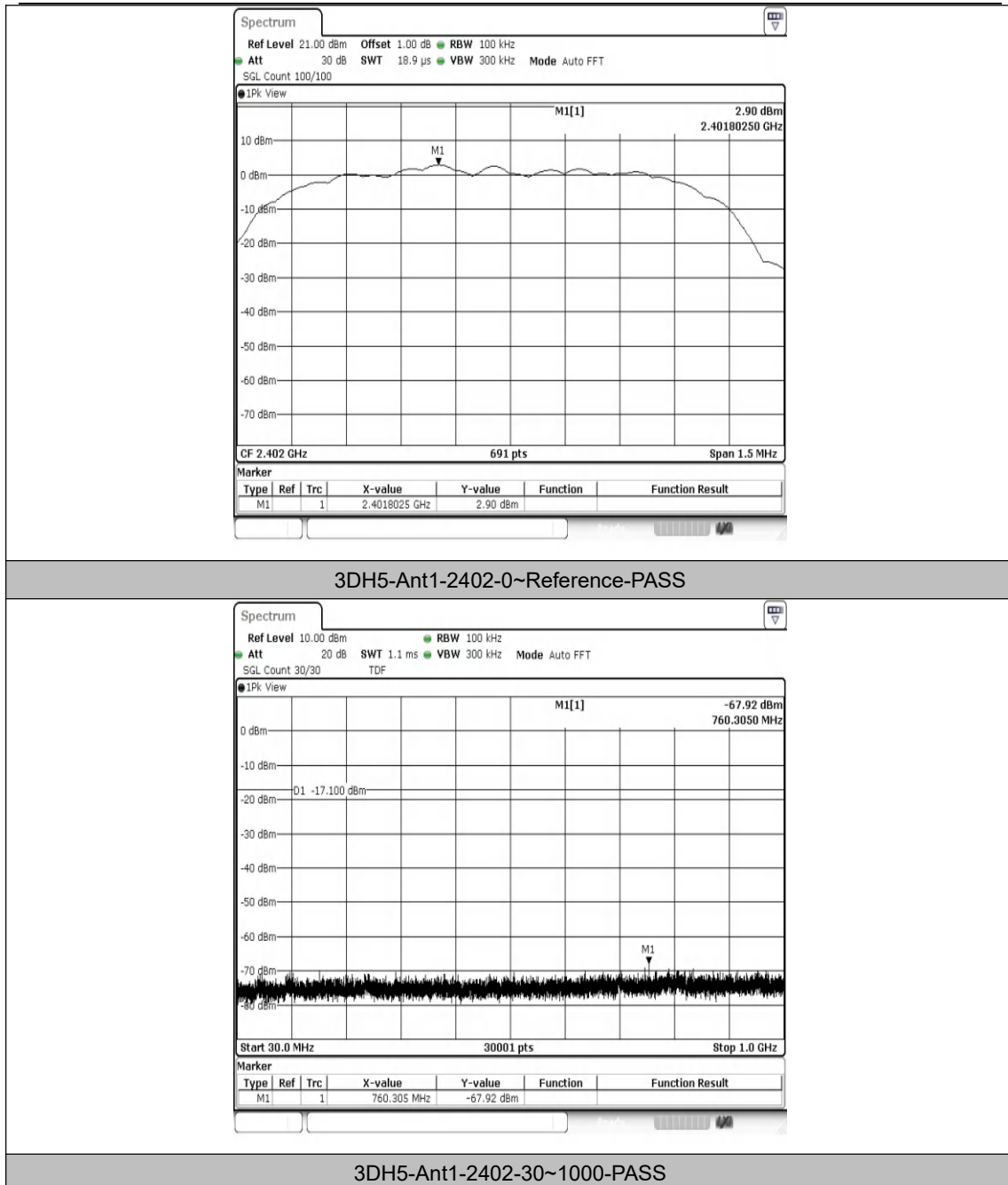
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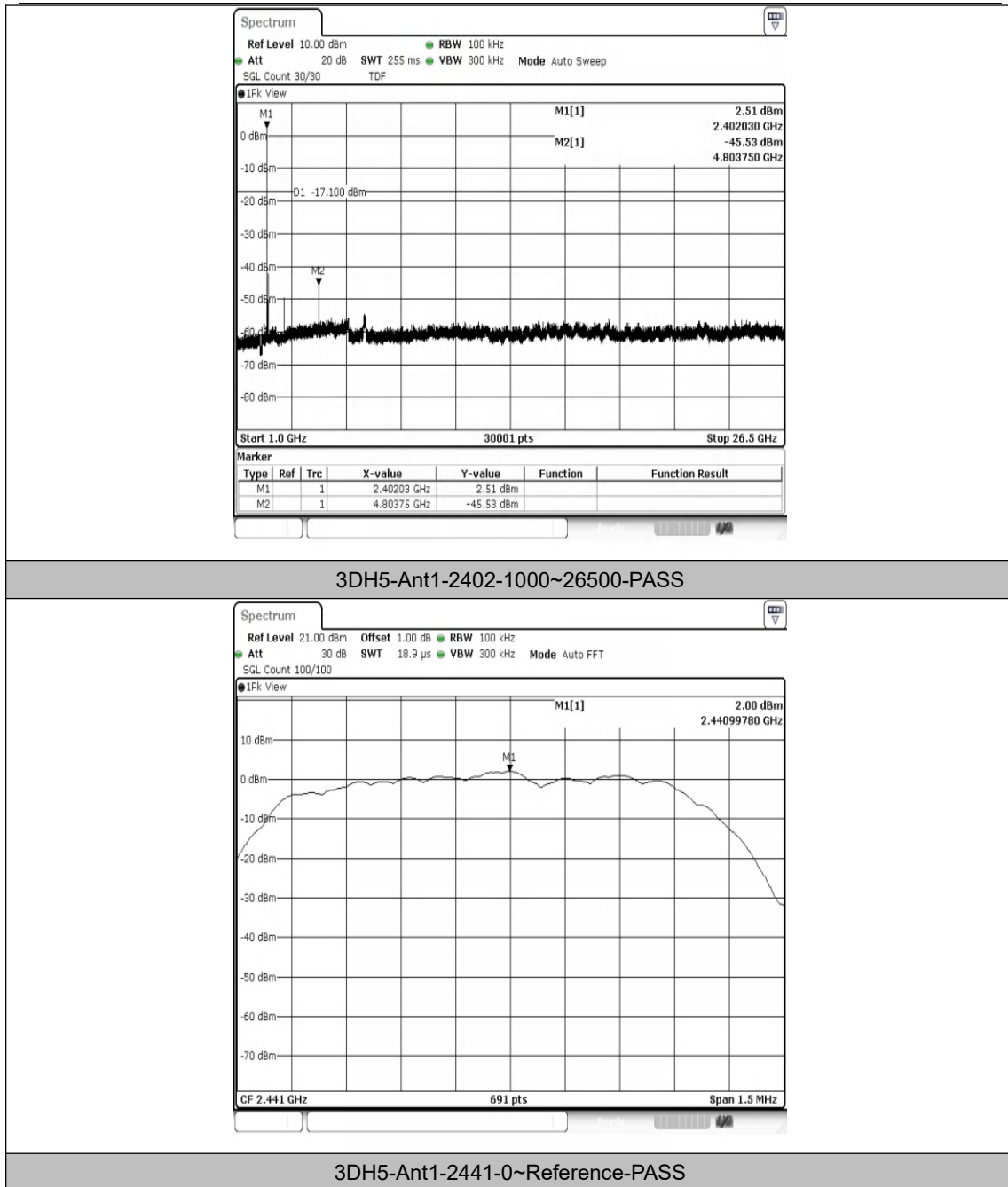
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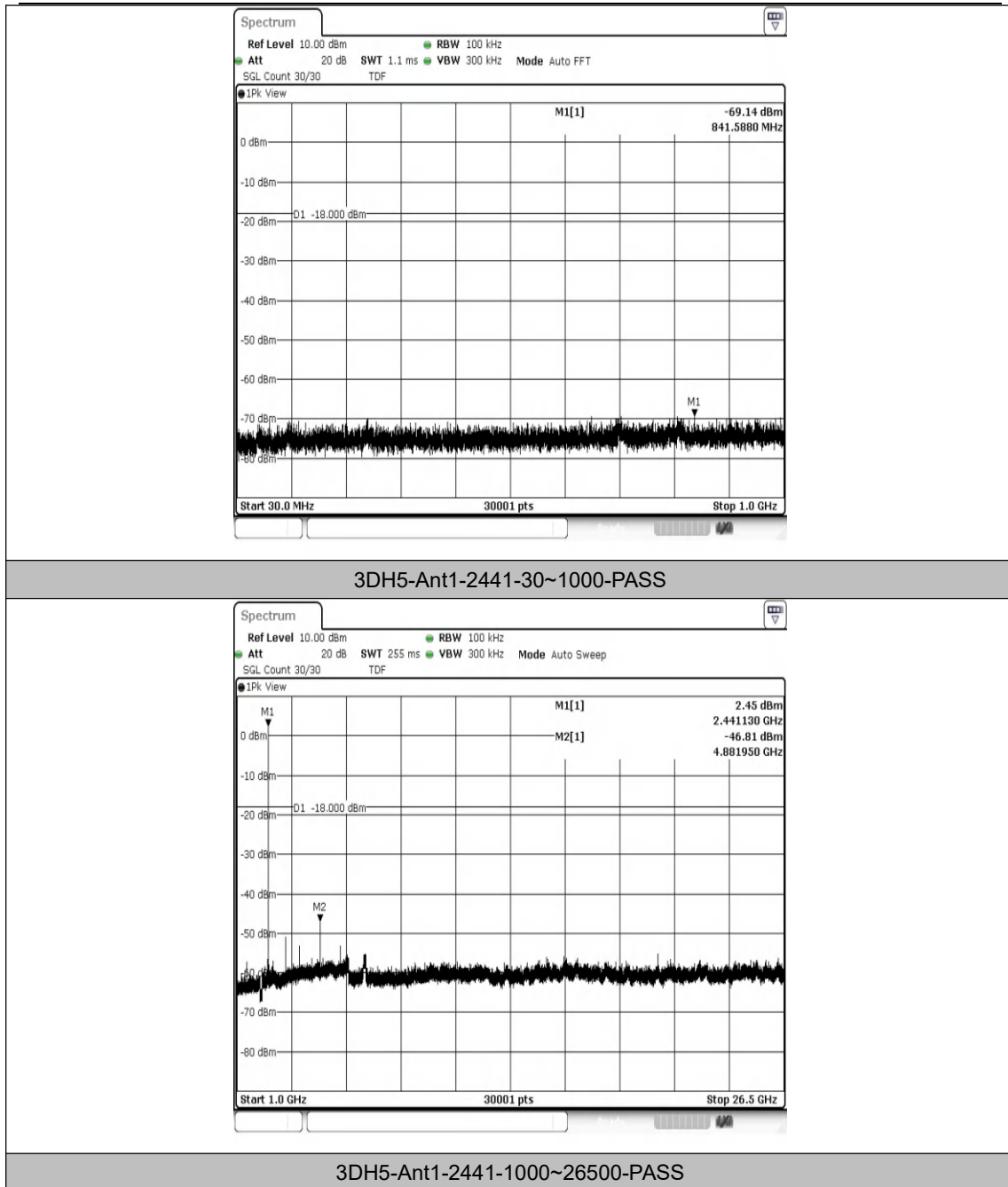
Hotline
400-003-0500
www.anbotech.com



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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

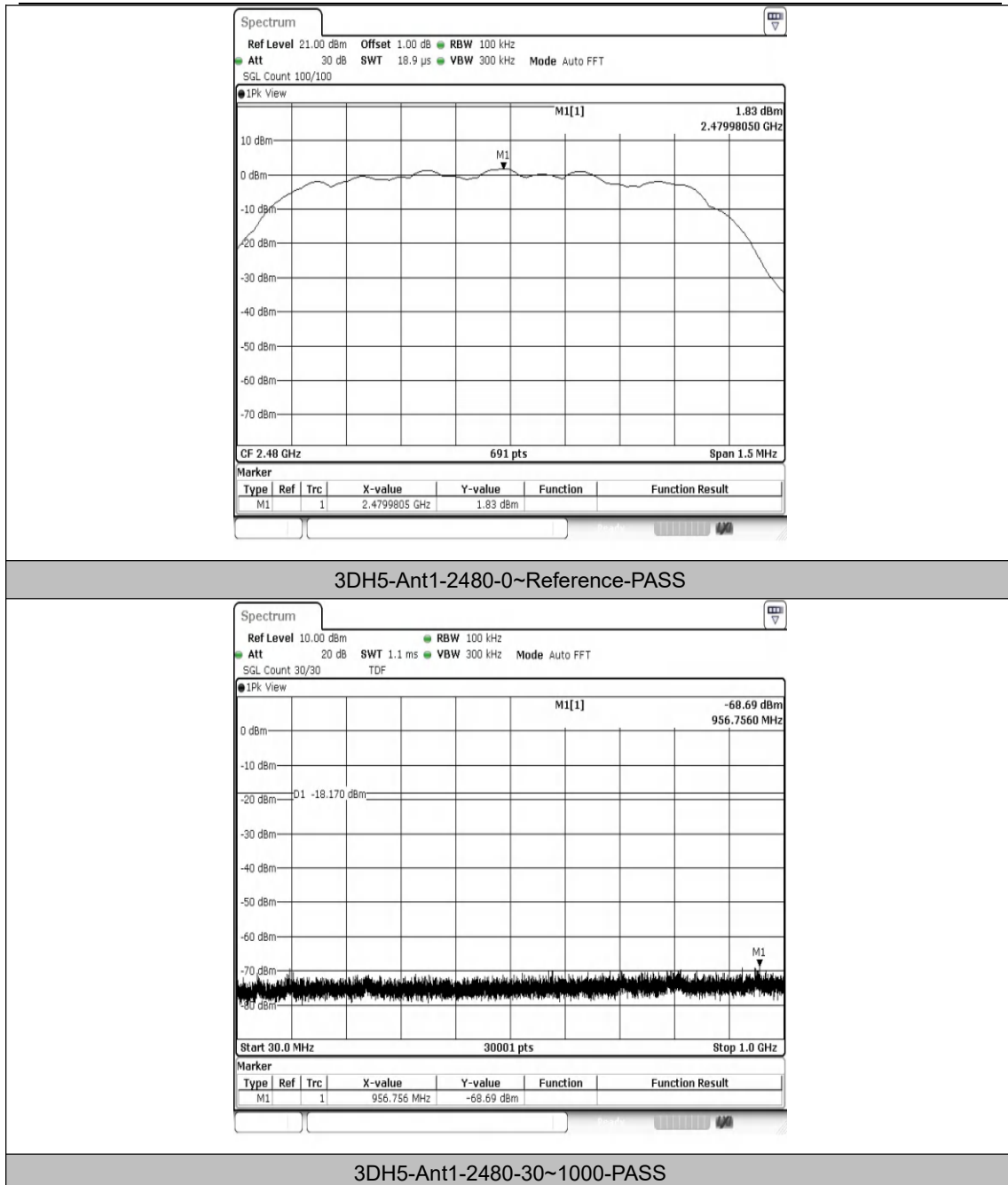
Hotline
400-003-0500
www.anbotek.com

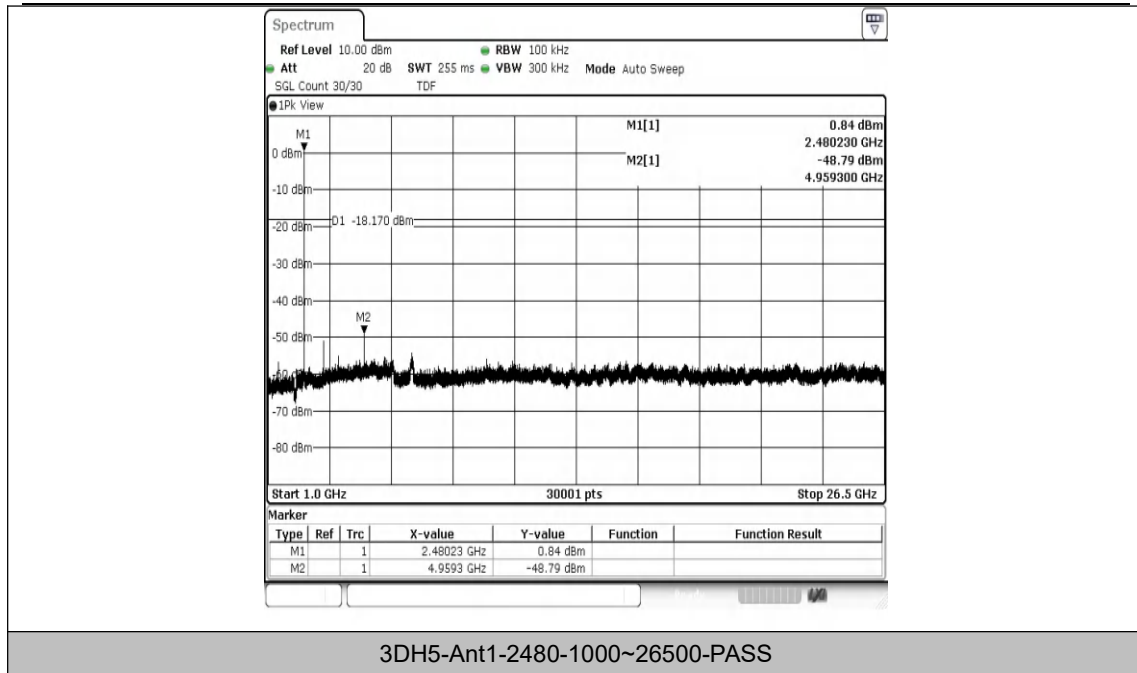


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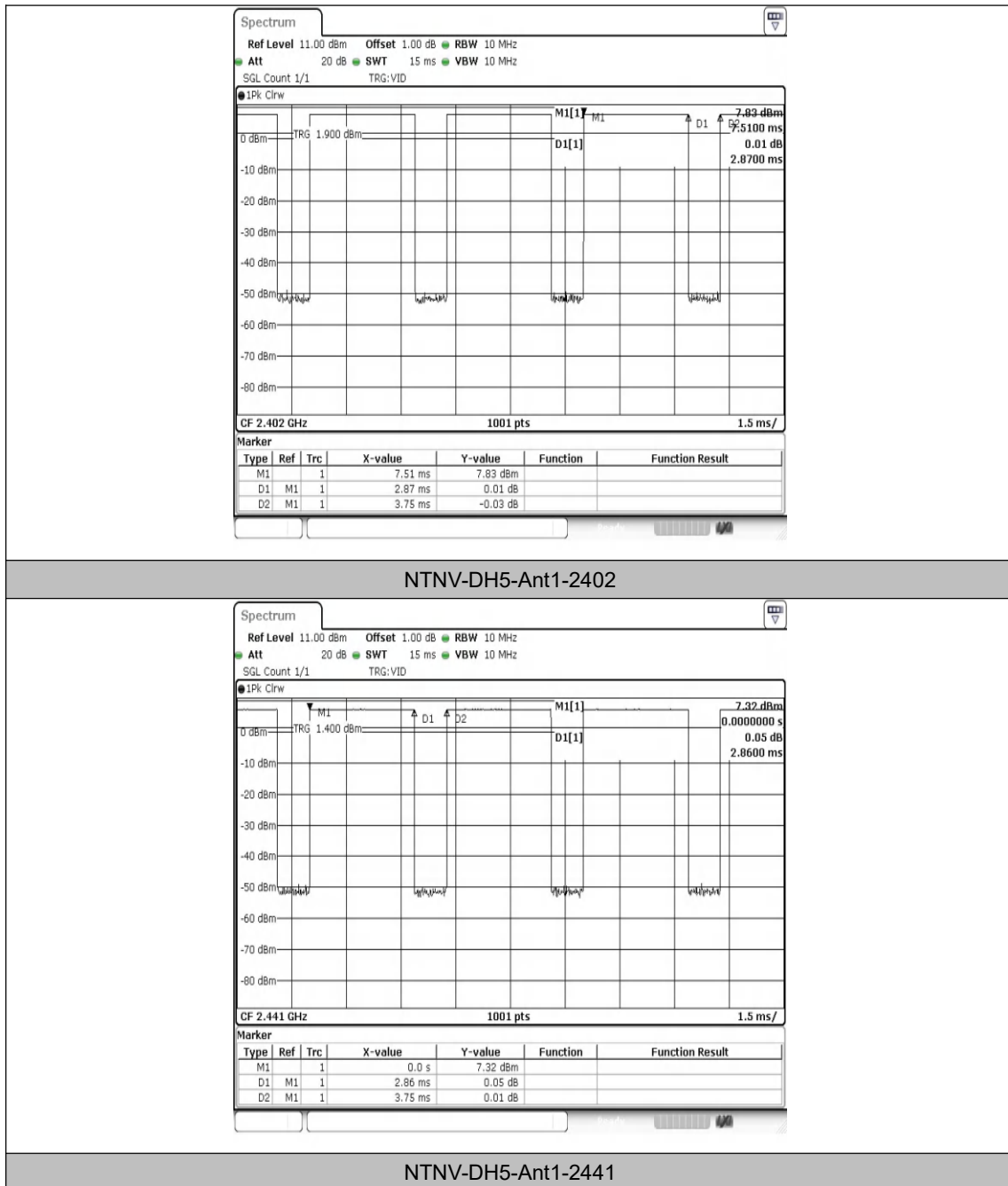
Appendix I: Duty Cycle

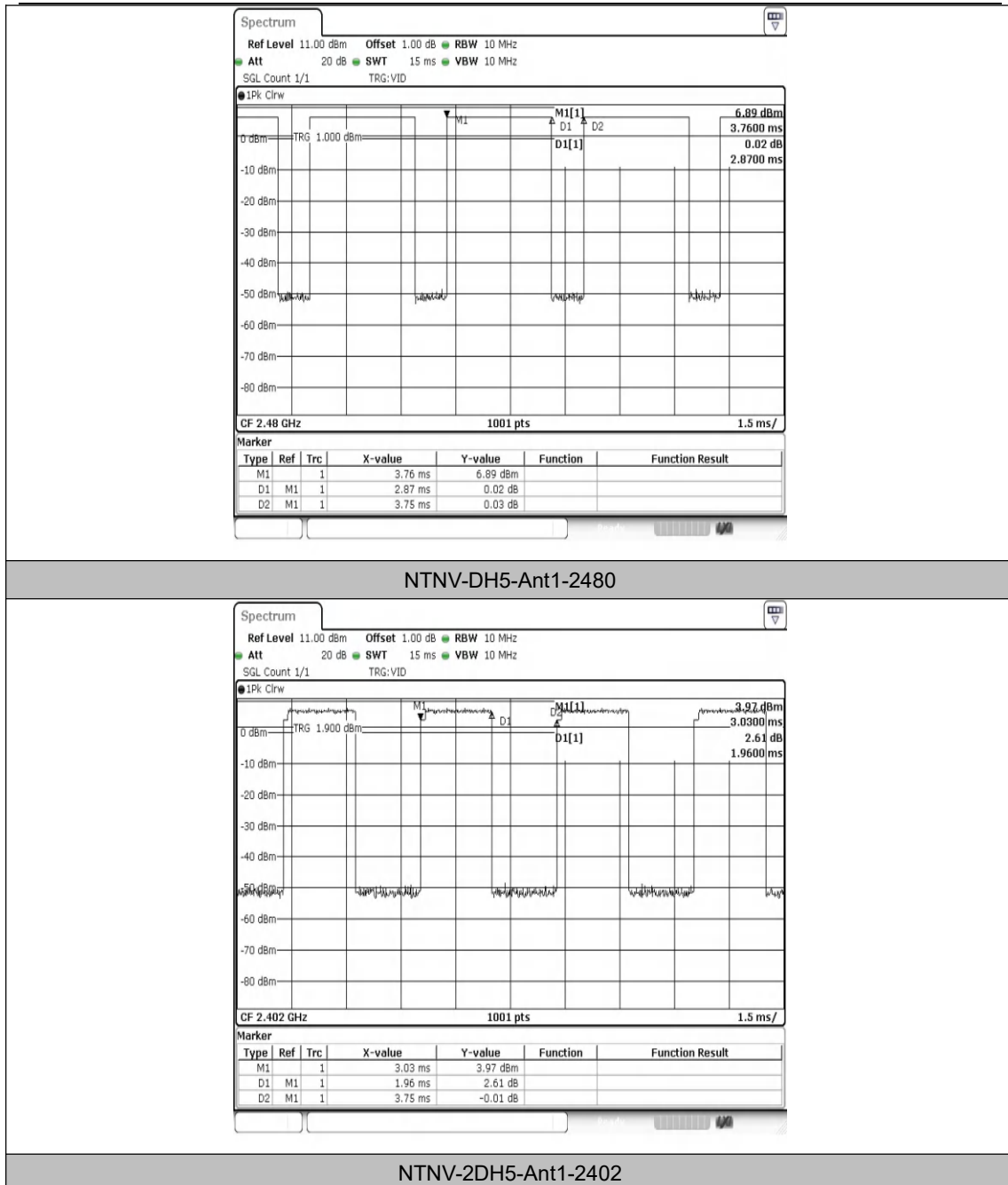
Test Result

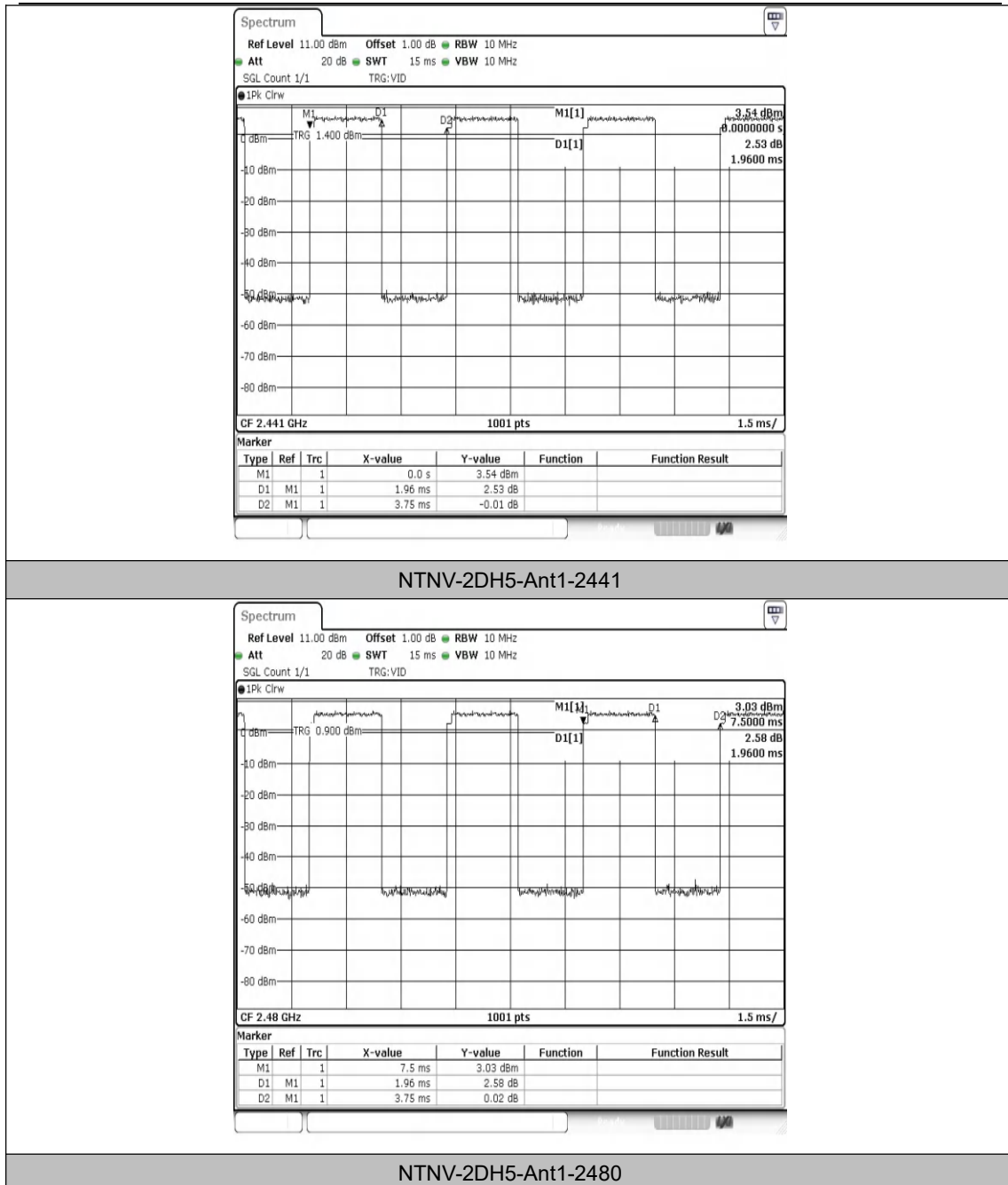
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.86	3.75	76.27	1.18
DH5	Ant1	2480	2.87	3.75	76.53	1.16
2DH5	Ant1	2402	1.96	3.75	52.27	2.82
2DH5	Ant1	2441	1.96	3.75	52.27	2.82
2DH5	Ant1	2480	1.96	3.75	52.27	2.82
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

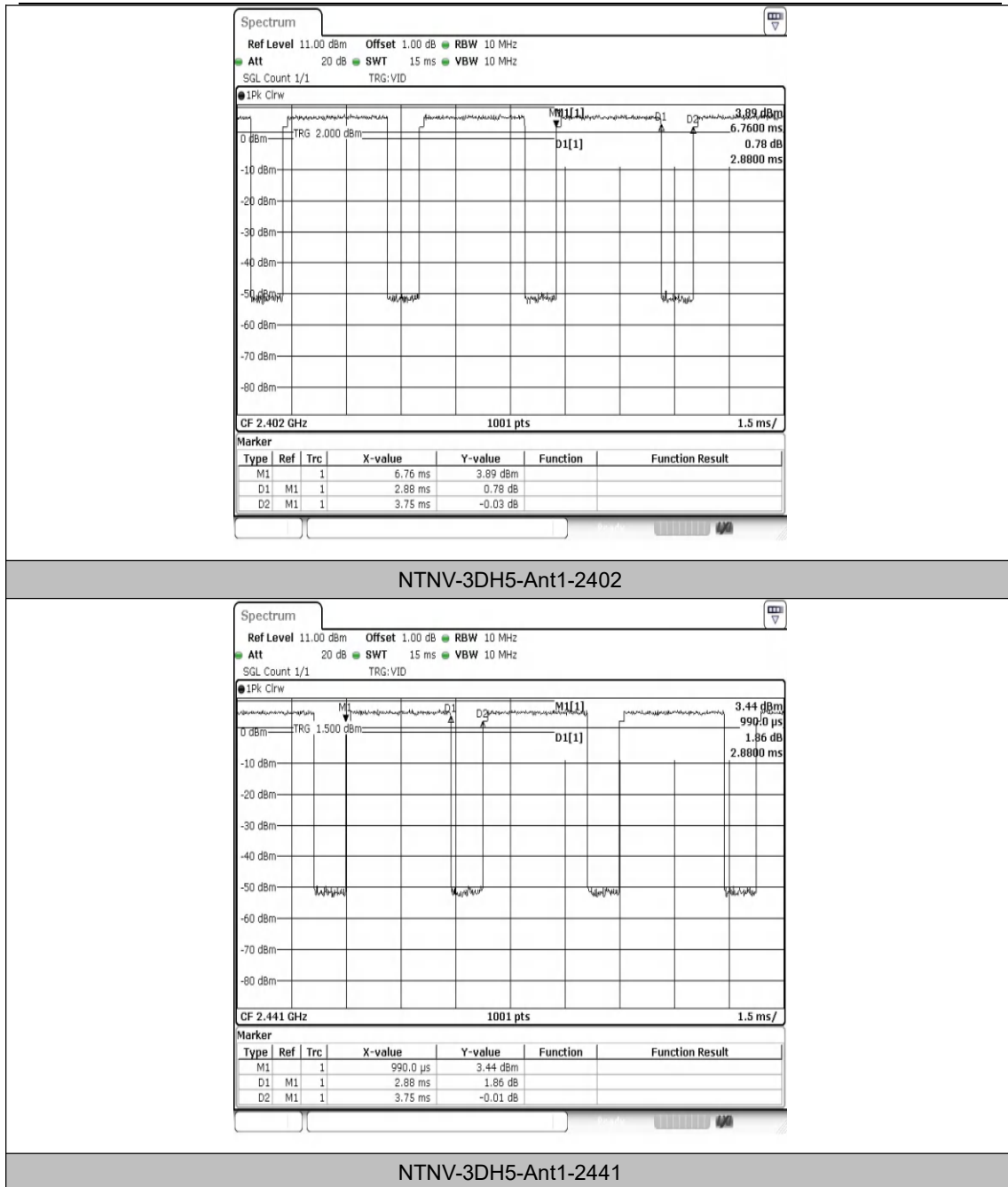


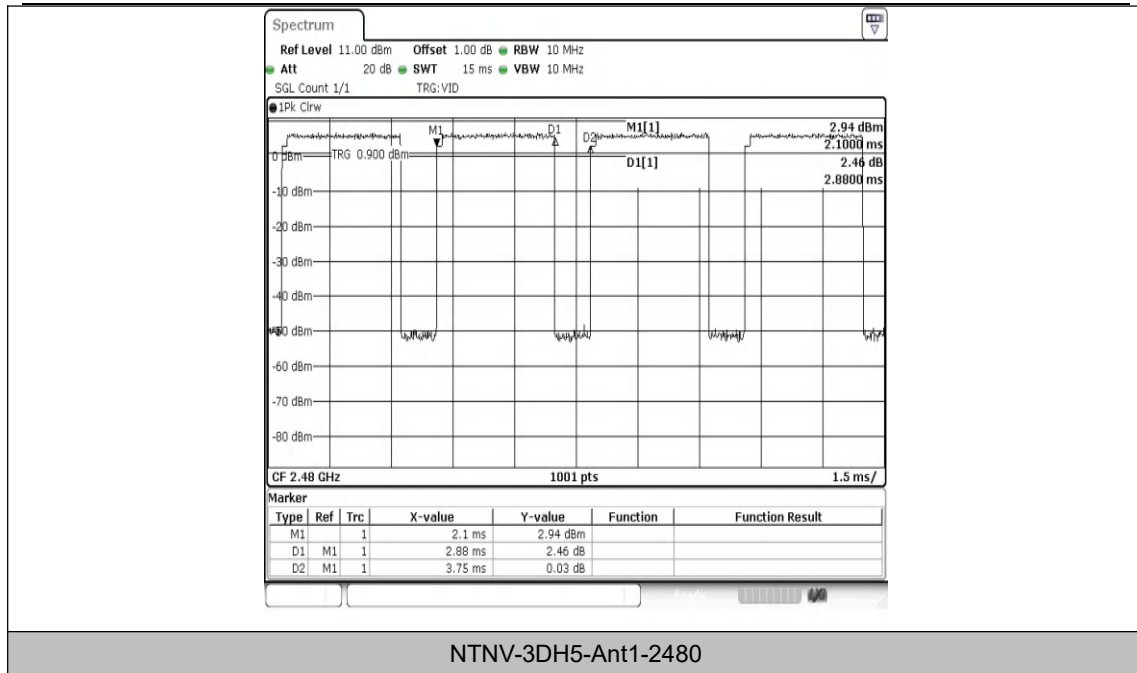
Test Graphs











---End---

