

Appendix Test Data

Report No.:	1819C500123125-01-02	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.4°C	Relative Humidity:	47%
Pressure:	101kPa		

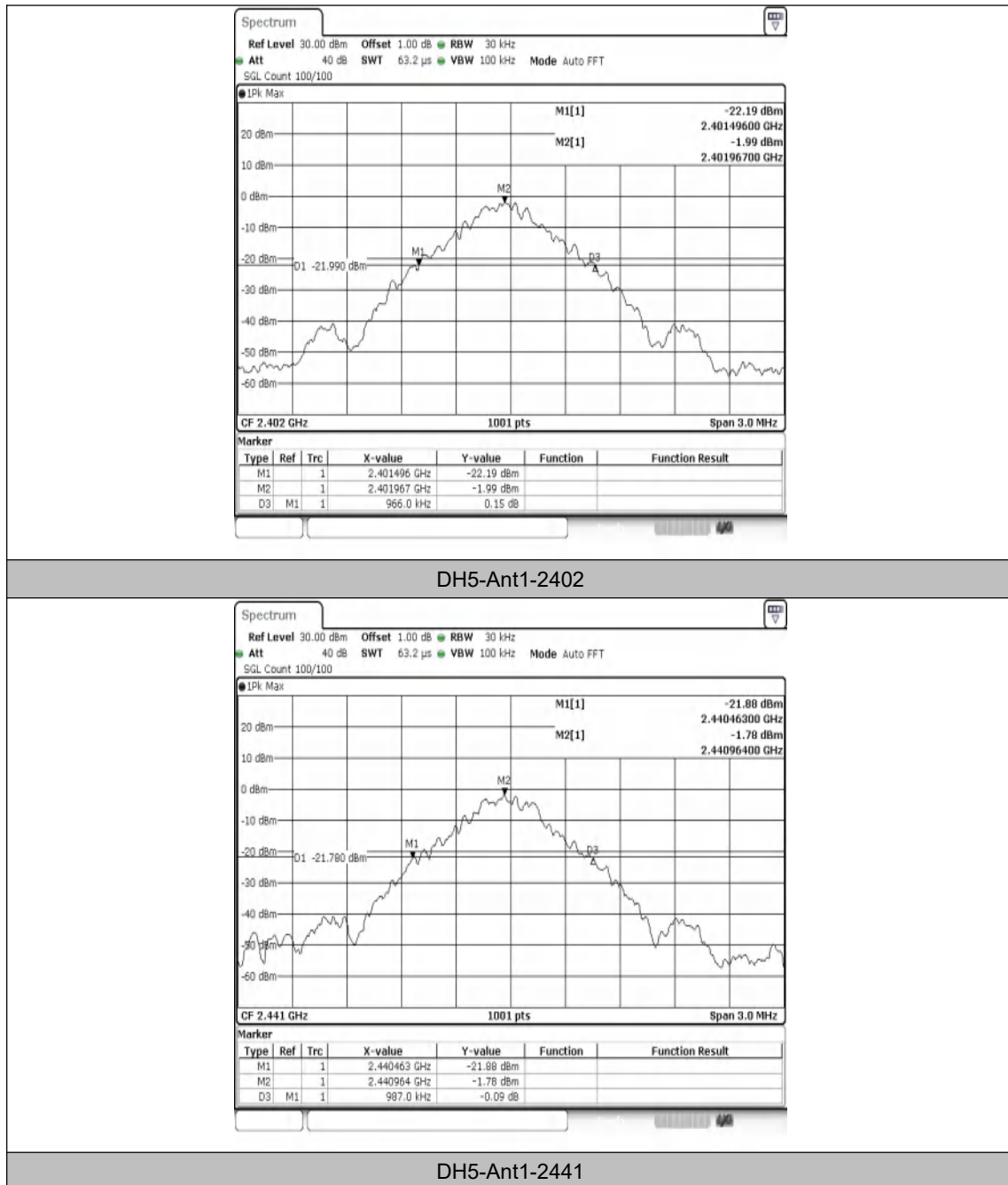
Appendix A: 20dB Bandwidth

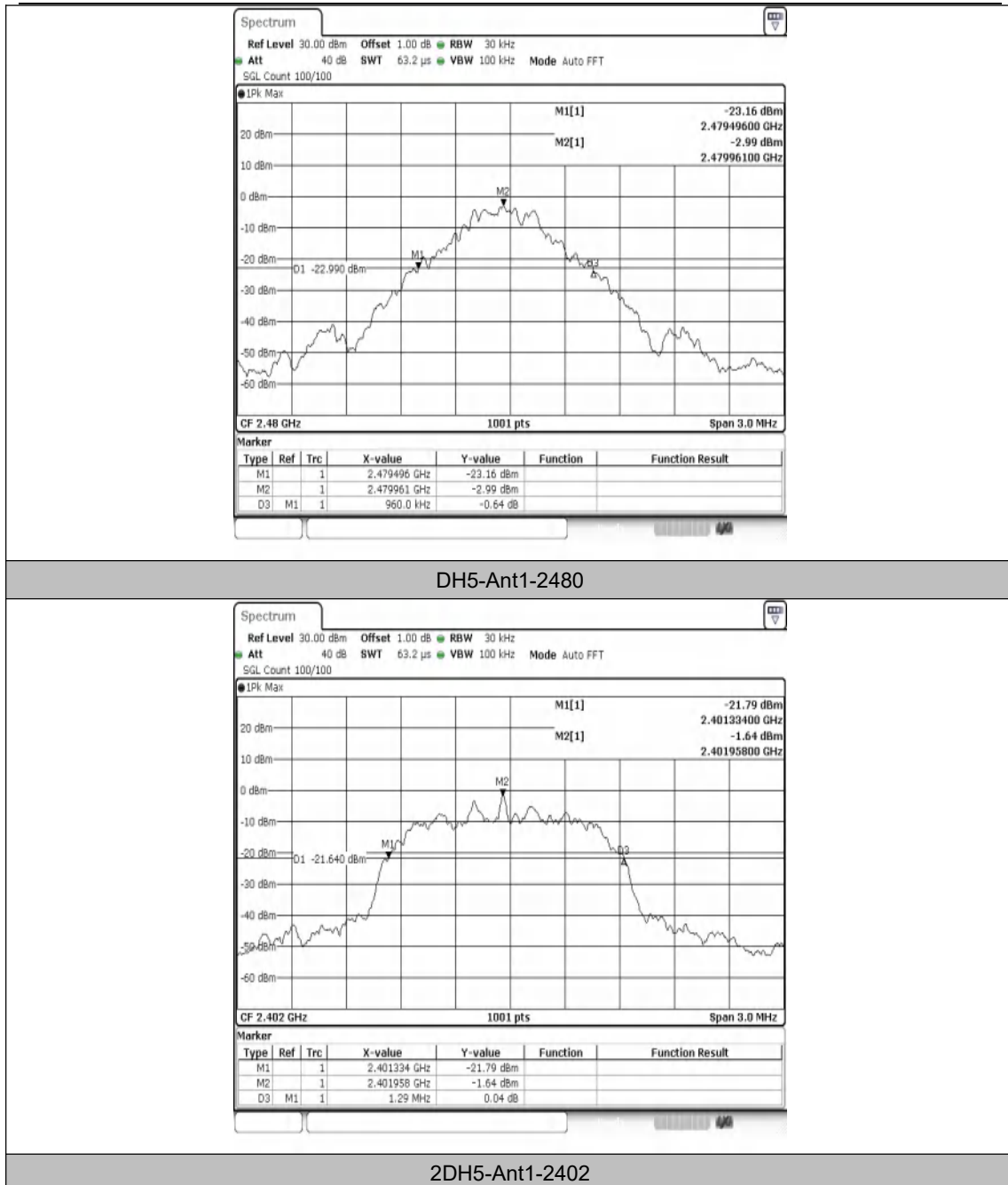
Test Result

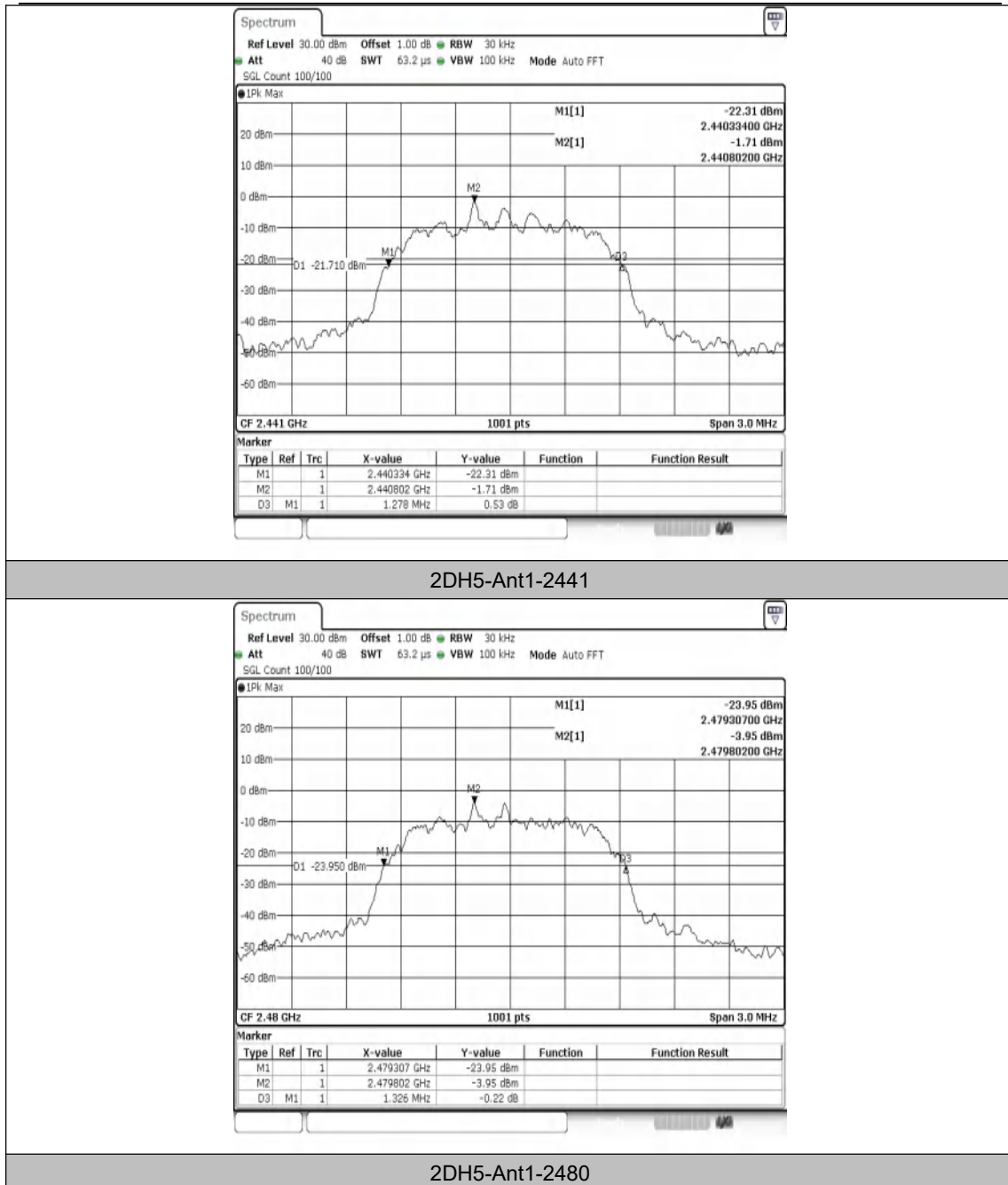
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.97	2401.50	2402.46	---	---
DH5	Ant1	2441	0.99	2440.46	2441.45	---	---
DH5	Ant1	2480	0.96	2479.50	2480.46	---	---
2DH5	Ant1	2402	1.29	2401.33	2402.62	---	---
2DH5	Ant1	2441	1.28	2440.33	2441.61	---	---
2DH5	Ant1	2480	1.33	2479.31	2480.63	---	---
3DH5	Ant1	2402	1.29	2401.32	2402.61	---	---
3DH5	Ant1	2441	1.28	2440.32	2441.60	---	---
3DH5	Ant1	2480	1.27	2479.33	2480.61	---	---

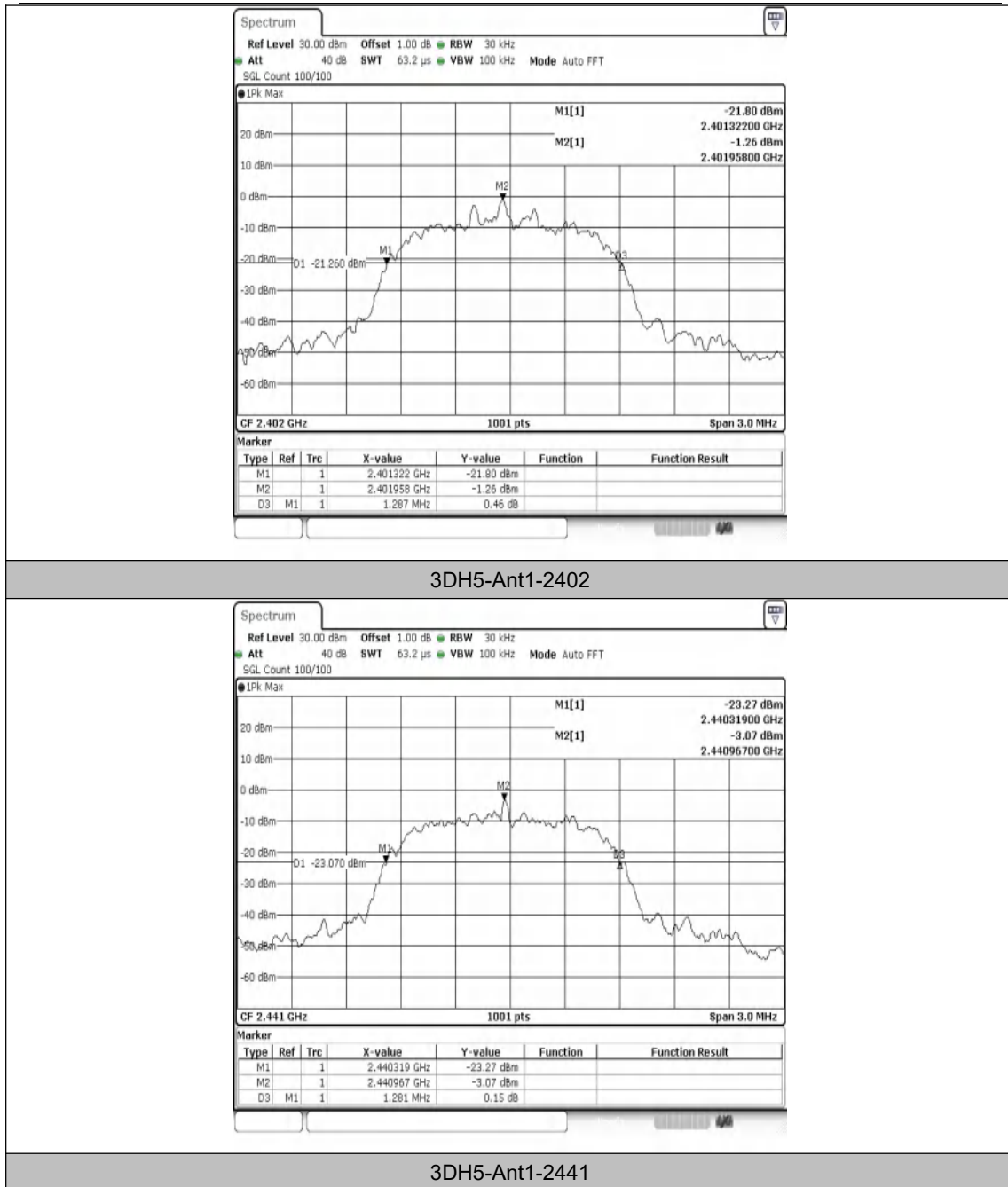


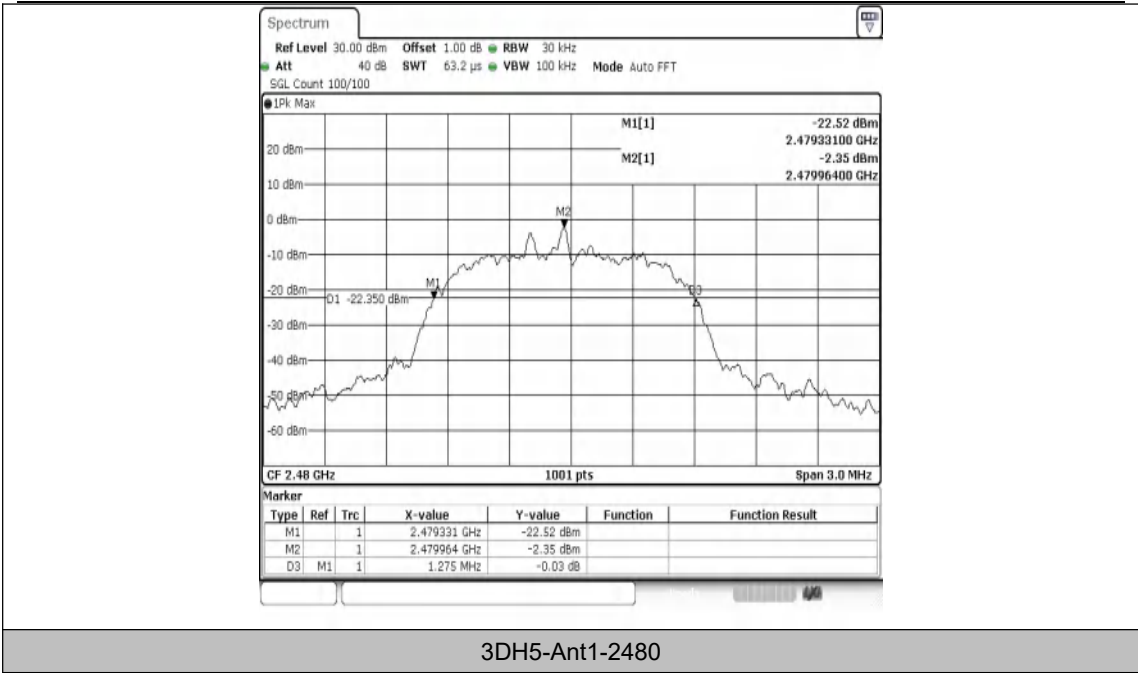
Test Graphs











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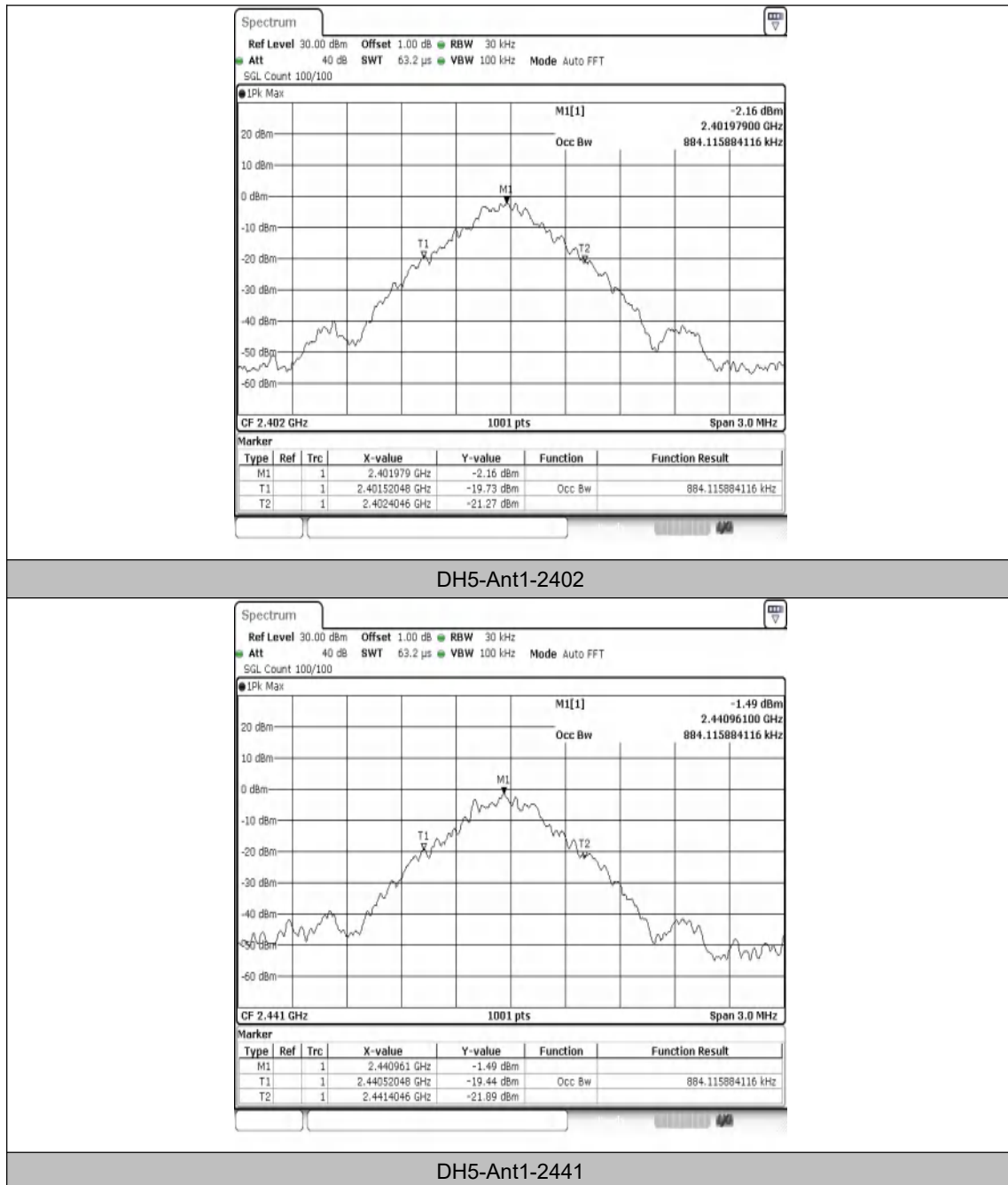
Appendix B: 99% Occupied Bandwidth

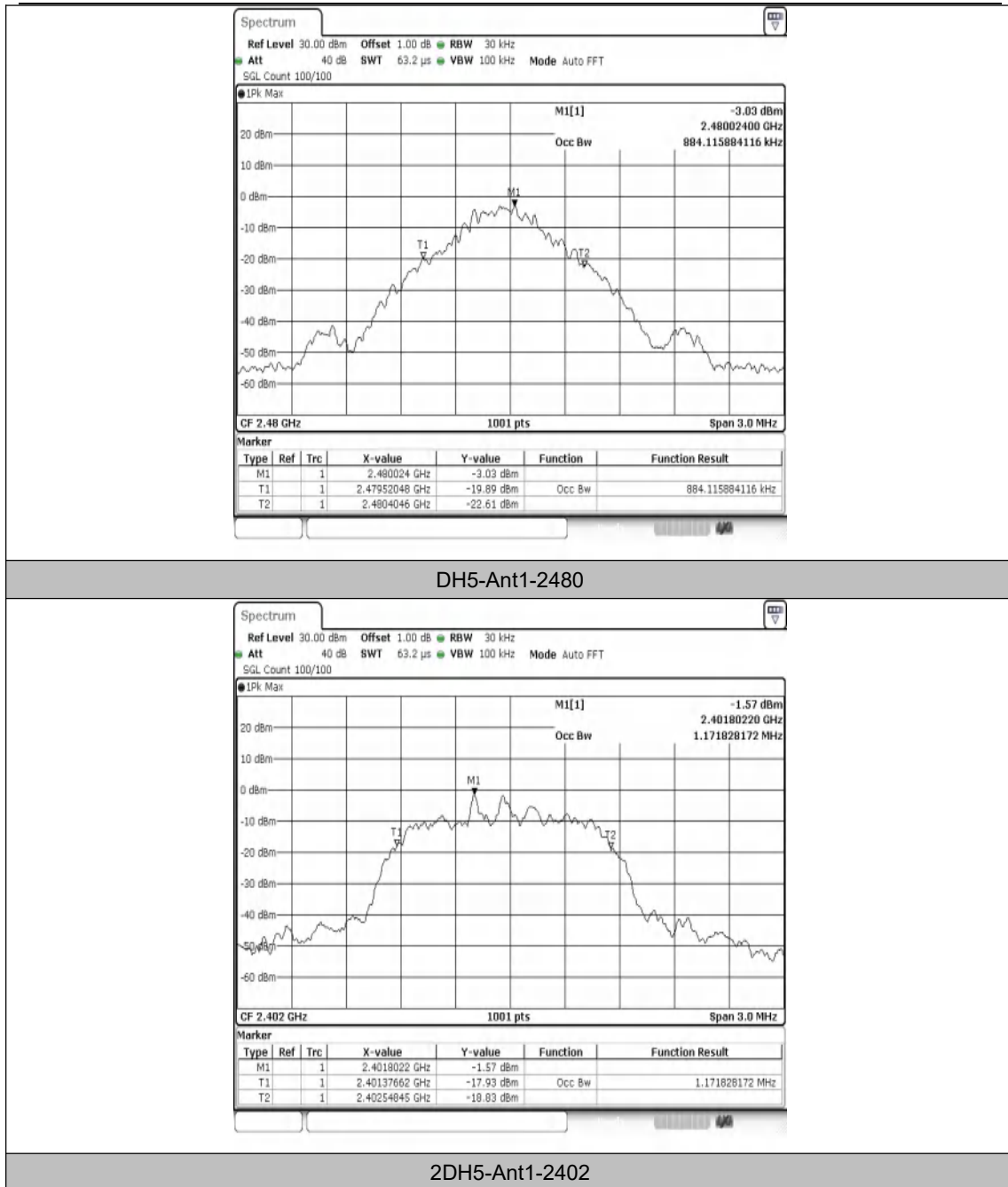
Test Result

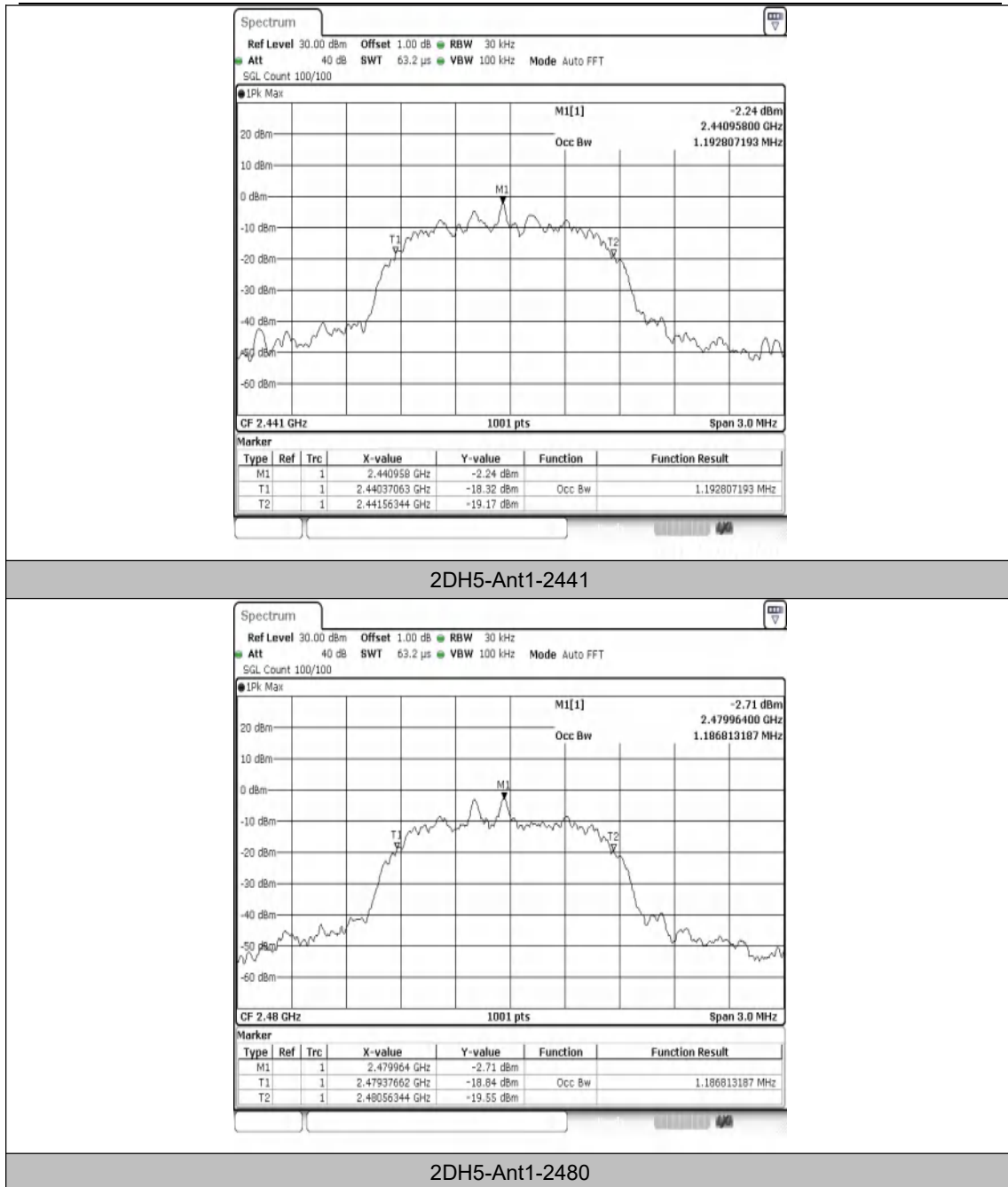
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88412	2401.5205	2402.4046	---	---
DH5	Ant1	2441	0.88412	2440.5205	2441.4046	---	---
DH5	Ant1	2480	0.88412	2479.5205	2480.4046	---	---
2DH5	Ant1	2402	1.1718	2401.3766	2402.5485	---	---
2DH5	Ant1	2441	1.1928	2440.3706	2441.5634	---	---
2DH5	Ant1	2480	1.1868	2479.3766	2480.5634	---	---
3DH5	Ant1	2402	1.1898	2401.3676	2402.5574	---	---
3DH5	Ant1	2441	1.2018	2440.3646	2441.5664	---	---
3DH5	Ant1	2480	1.1928	2479.3706	2480.5634	---	---

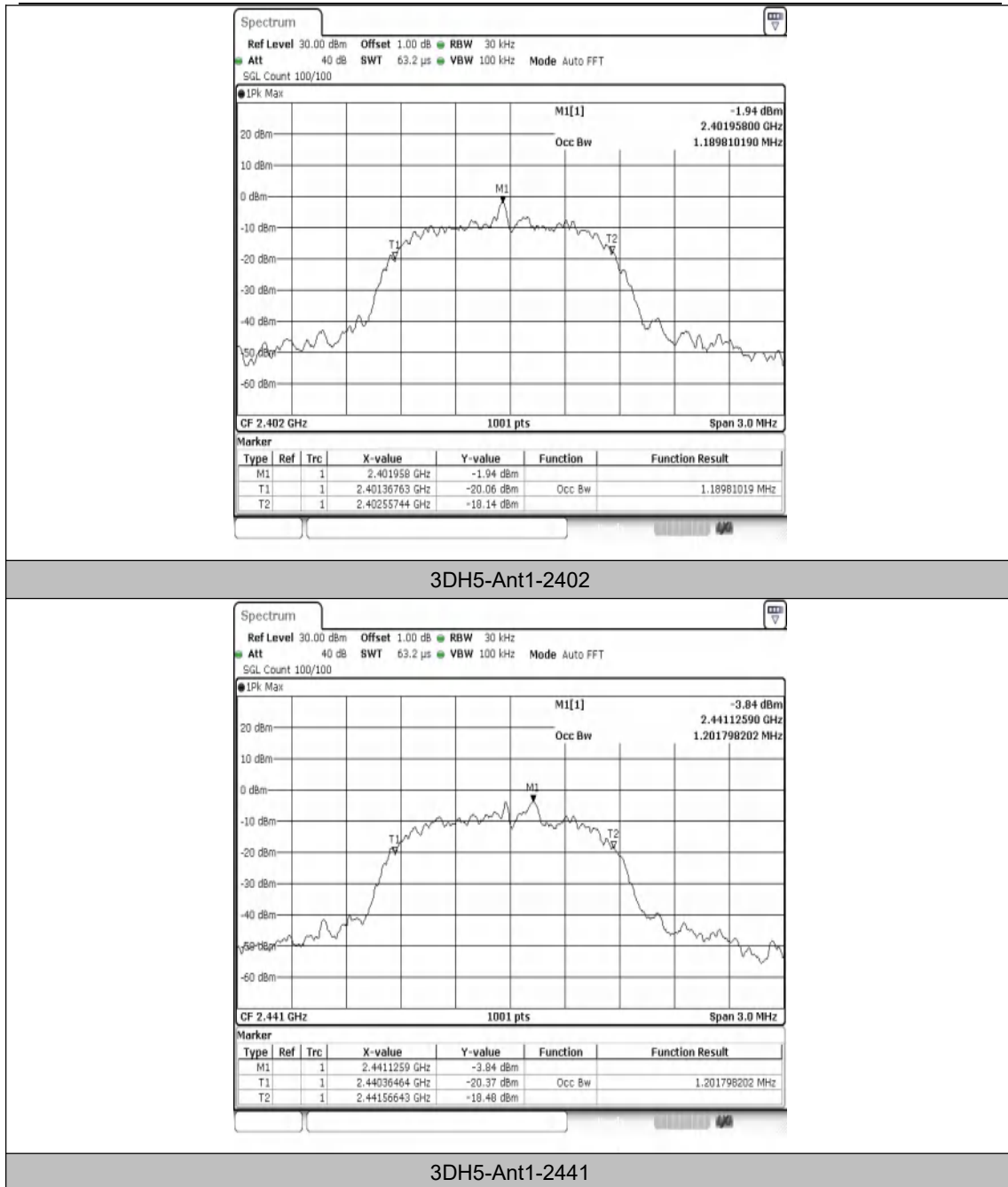


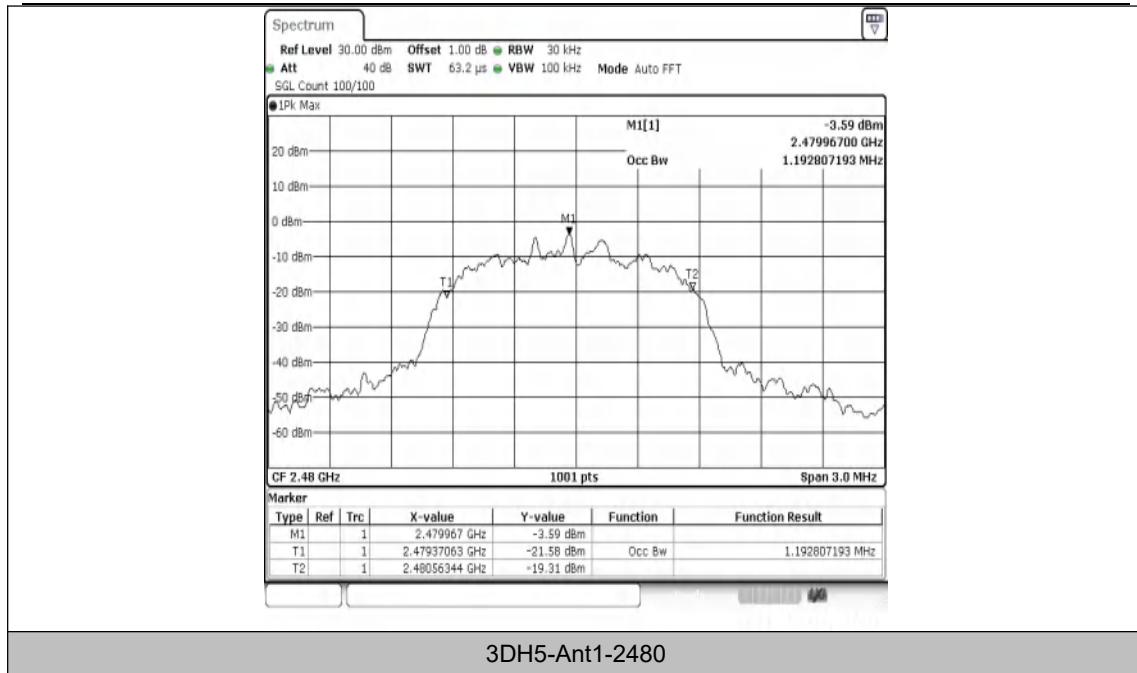
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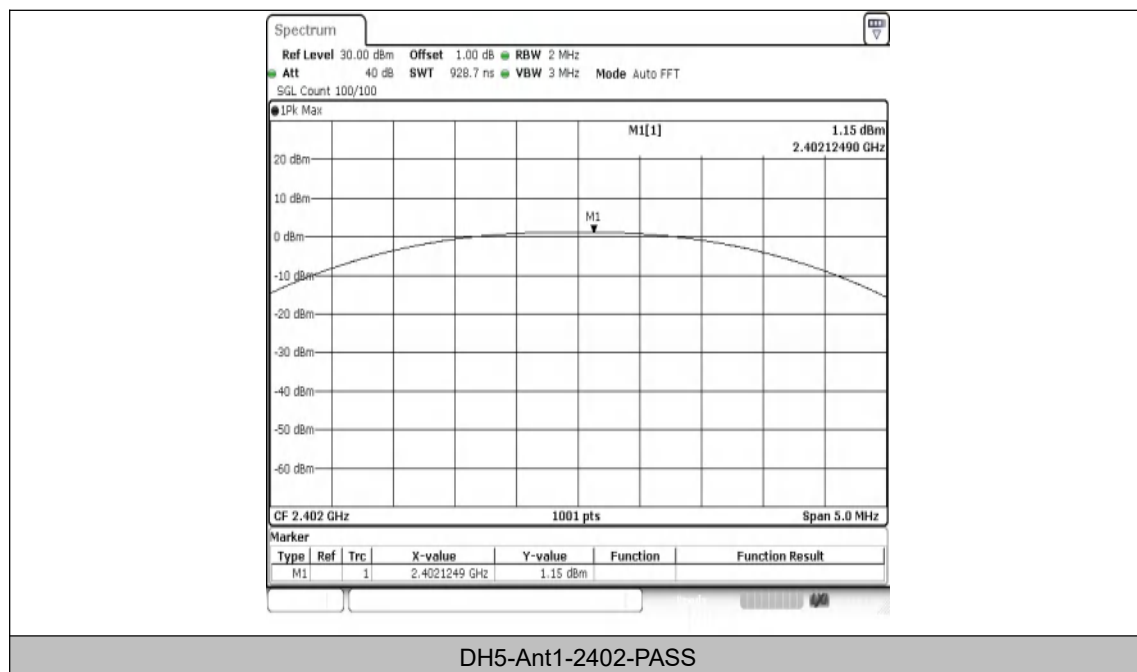


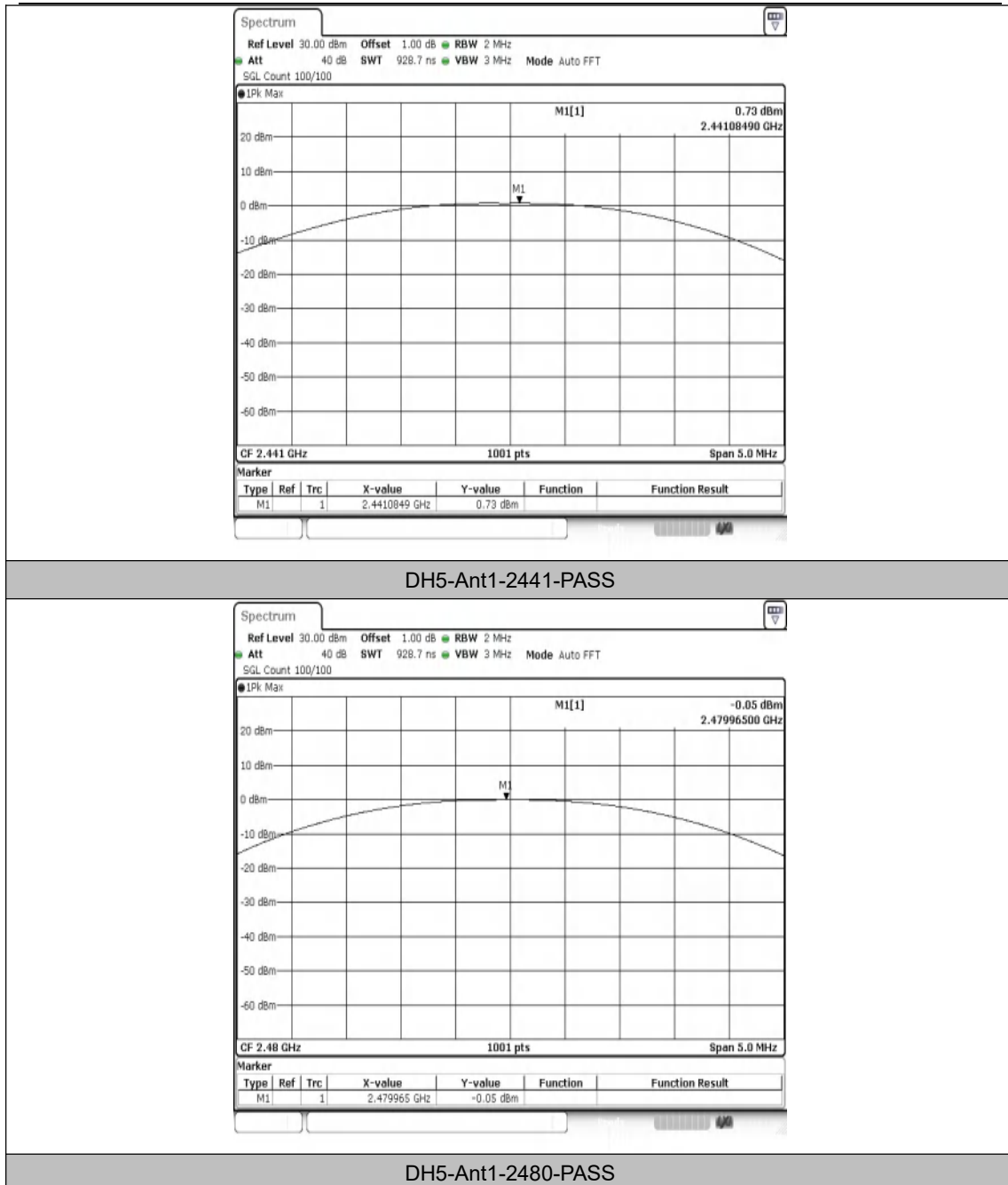
Appendix C: Maximum Conducted Output Power

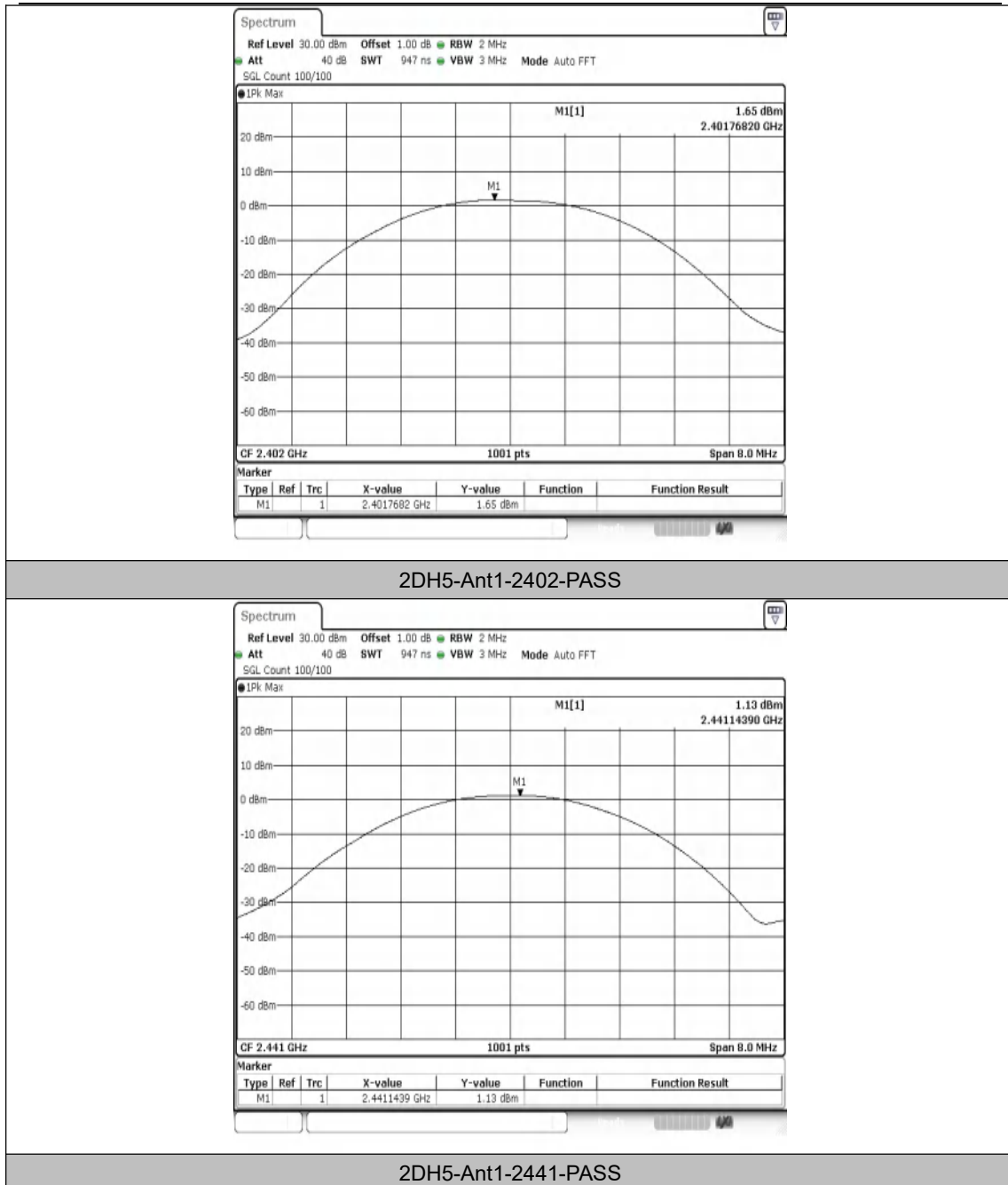
Test Result Peak

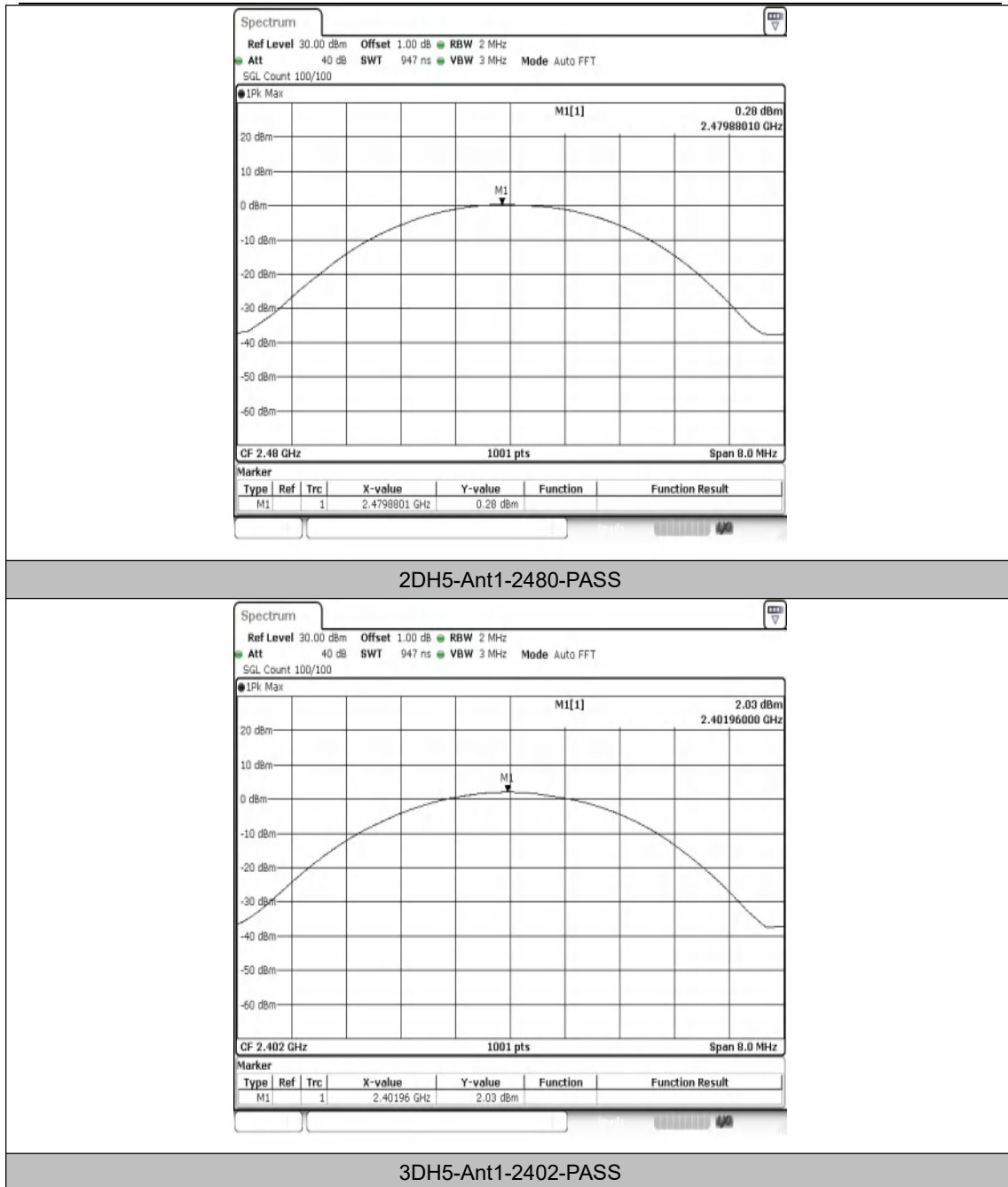
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.15	≤20.97	PASS
DH5	Ant1	2441	0.73	≤20.97	PASS
DH5	Ant1	2480	-0.05	≤20.97	PASS
2DH5	Ant1	2402	1.65	≤20.97	PASS
2DH5	Ant1	2441	1.13	≤20.97	PASS
2DH5	Ant1	2480	0.28	≤20.97	PASS
3DH5	Ant1	2402	2.03	≤20.97	PASS
3DH5	Ant1	2441	1.82	≤20.97	PASS
3DH5	Ant1	2480	0.81	≤20.97	PASS

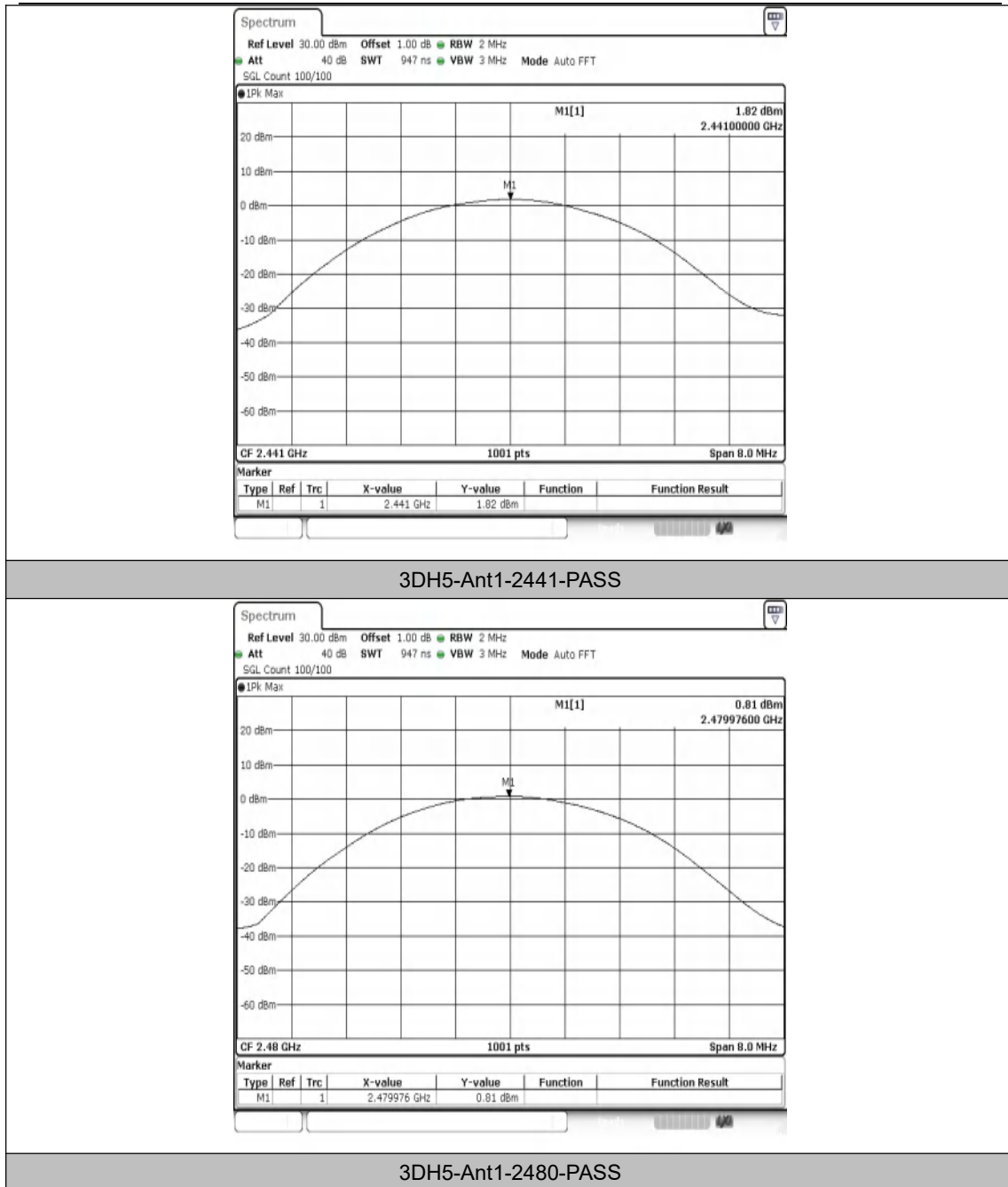
Test Graphs











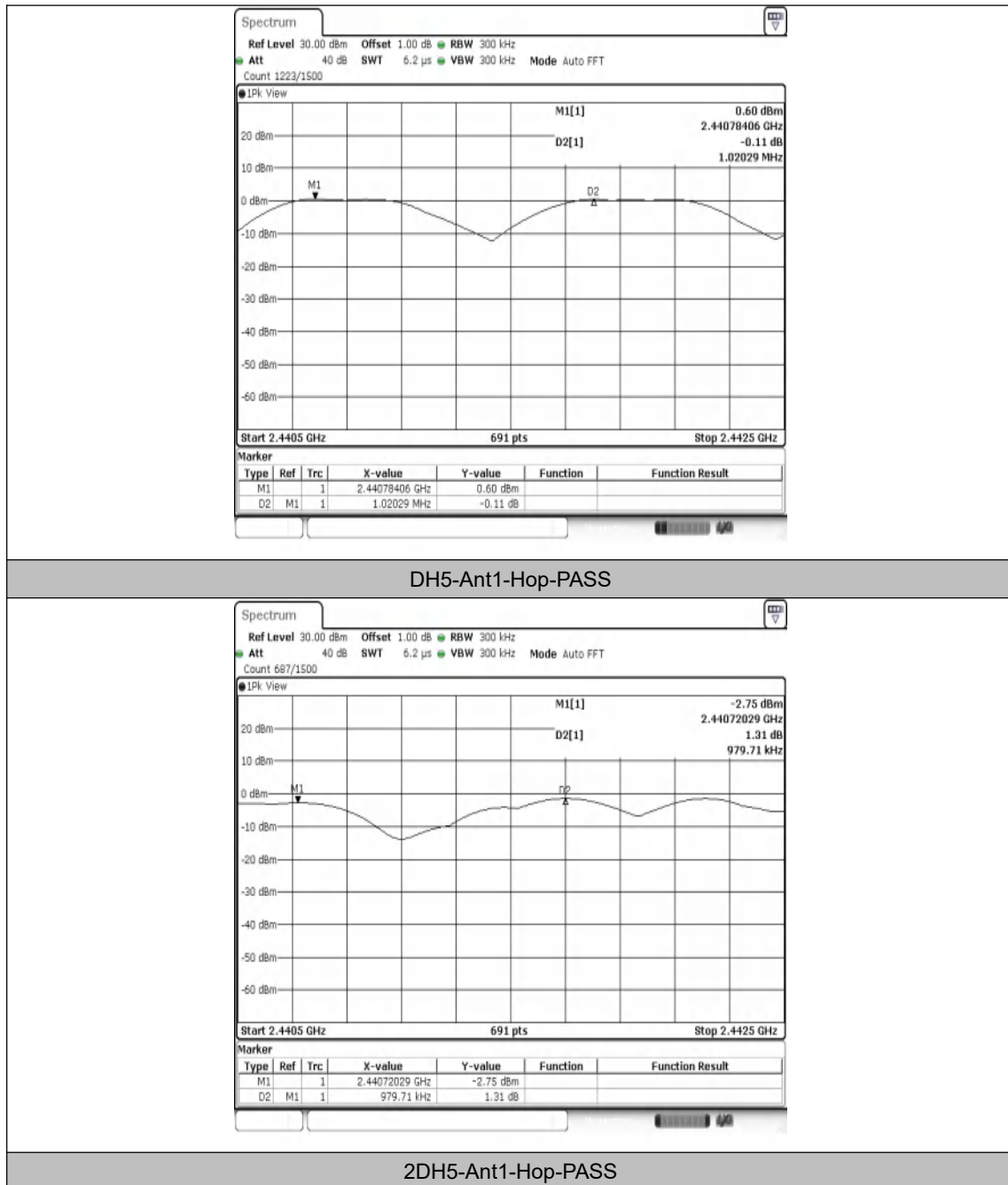
Appendix D: Carrier frequency separation

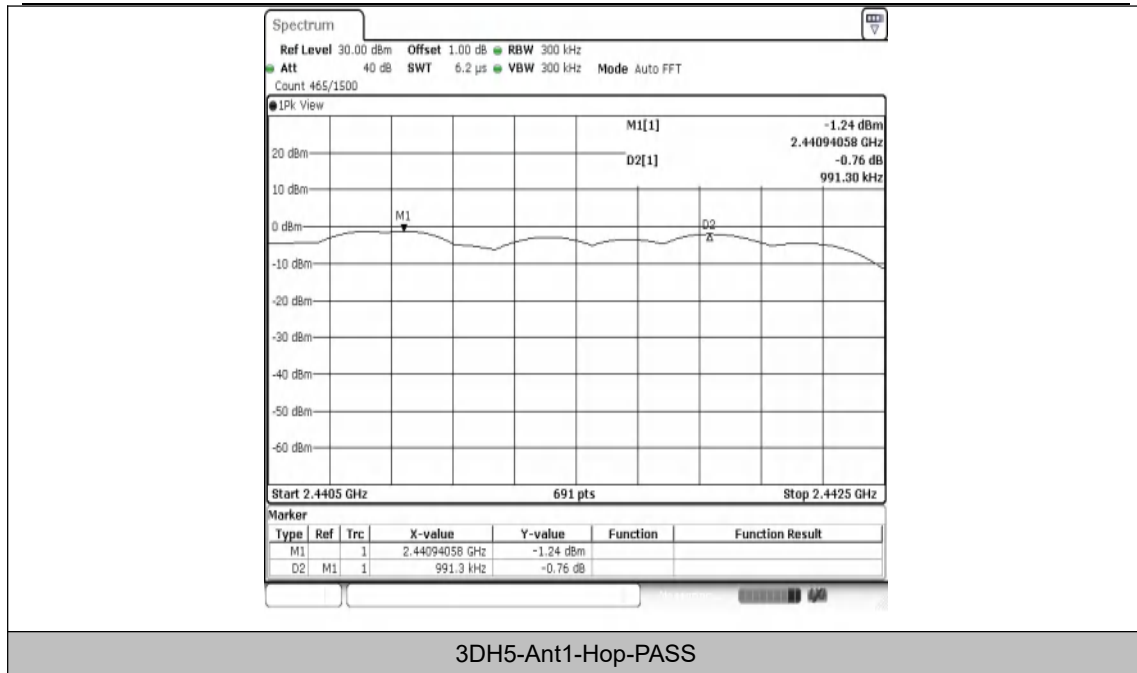
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.660	PASS
2DH5	Ant1	Hop	0.98	≥ 0.887	PASS
3DH5	Ant1	Hop	0.991	≥ 0.860	PASS



Test Graphs





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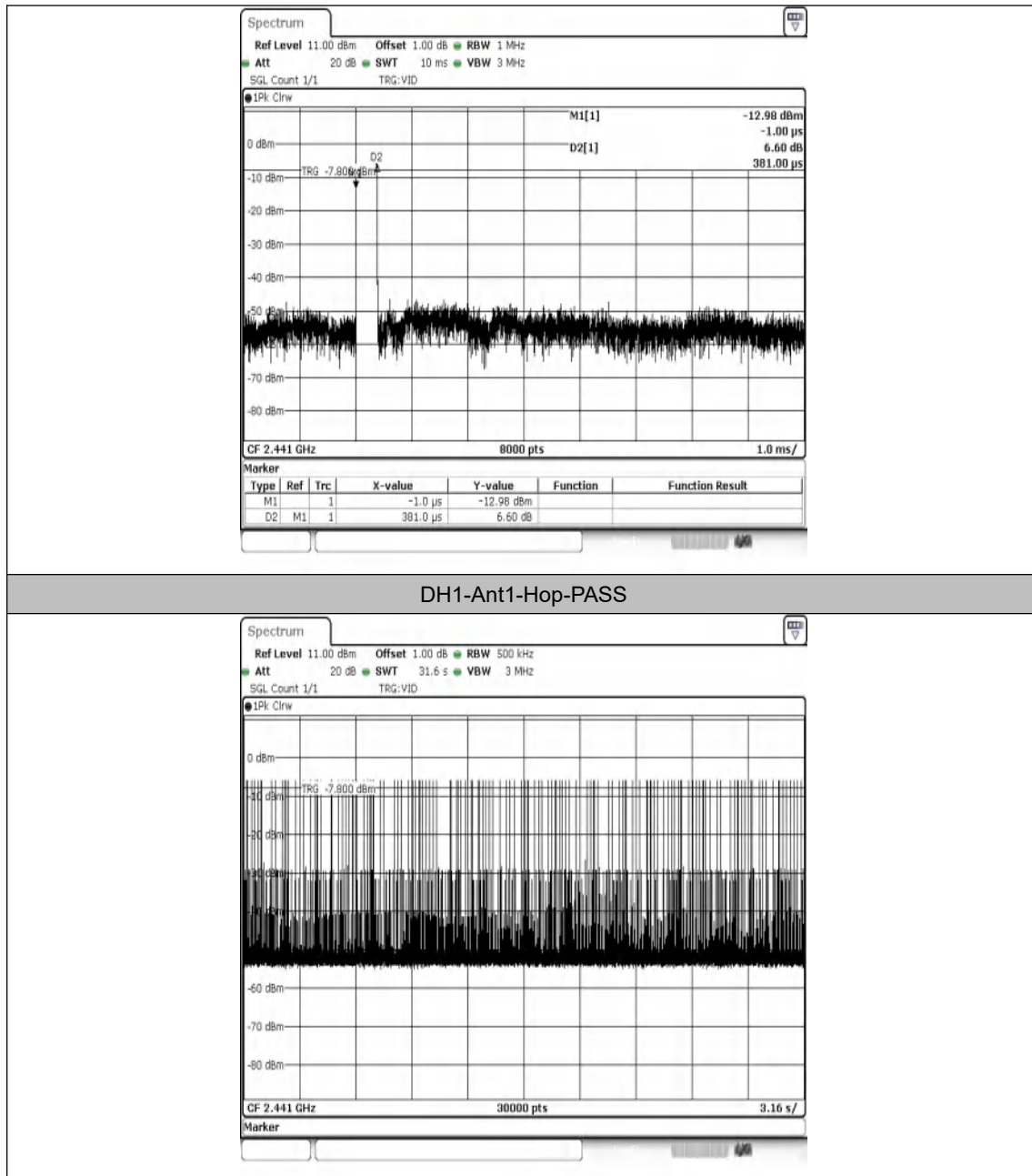
Appendix E: Dwell Time

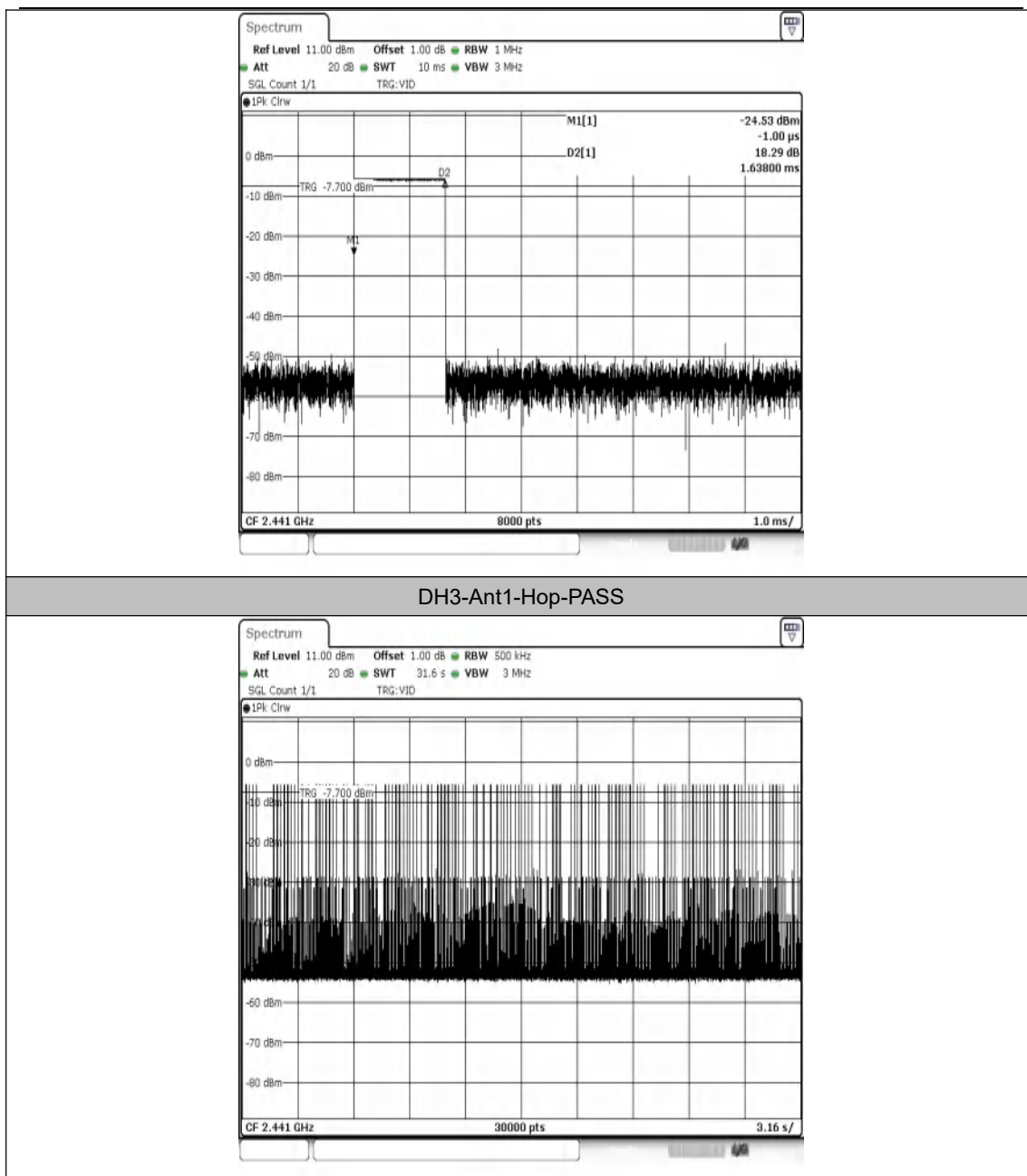
Test Result

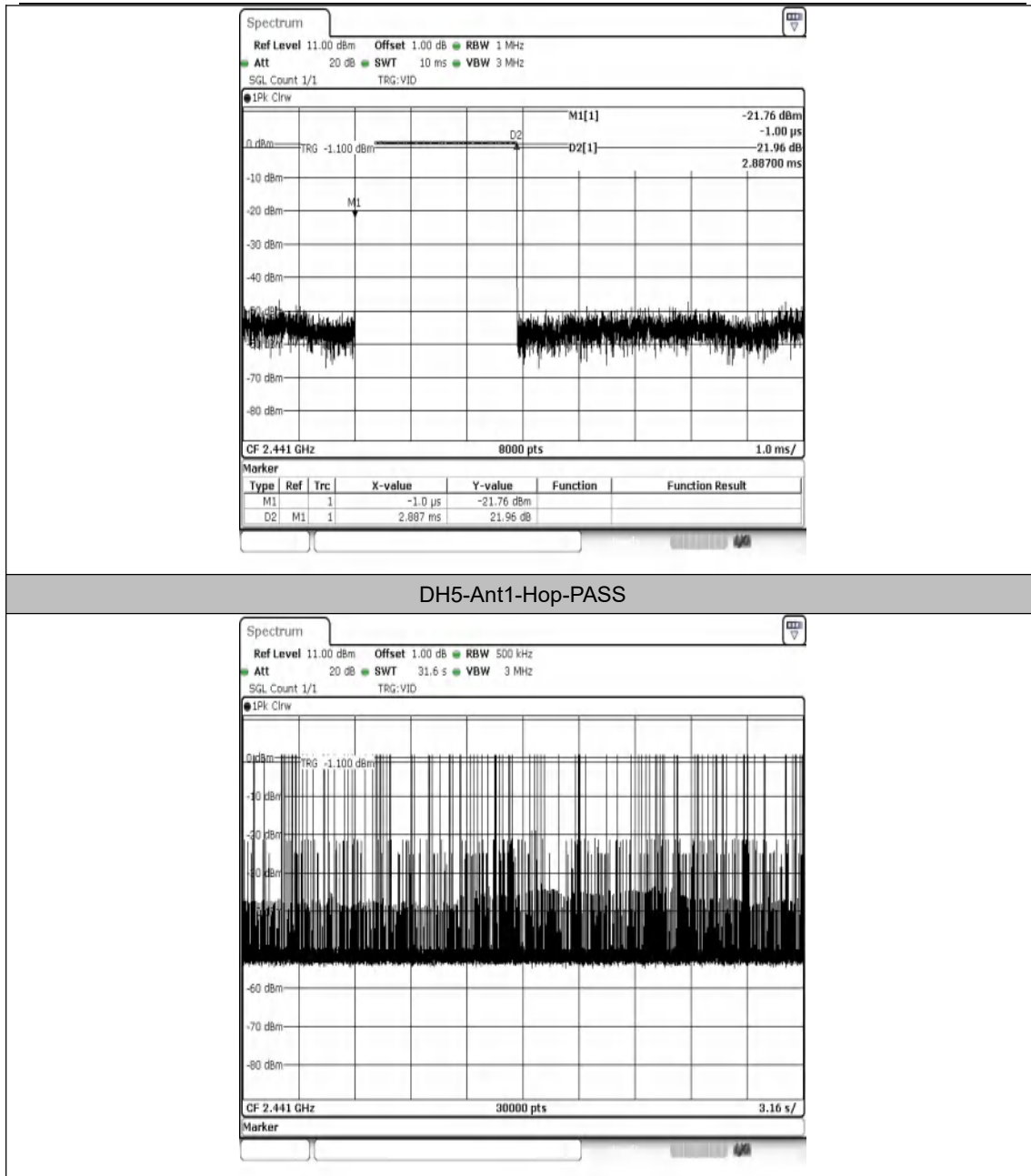
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.381	160	0.061	≤0.4	PASS
DH3	Ant1	Hop	1.638	157	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.887	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	158	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.890	105	0.303	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.641	162	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.893	107	0.31	≤0.4	PASS

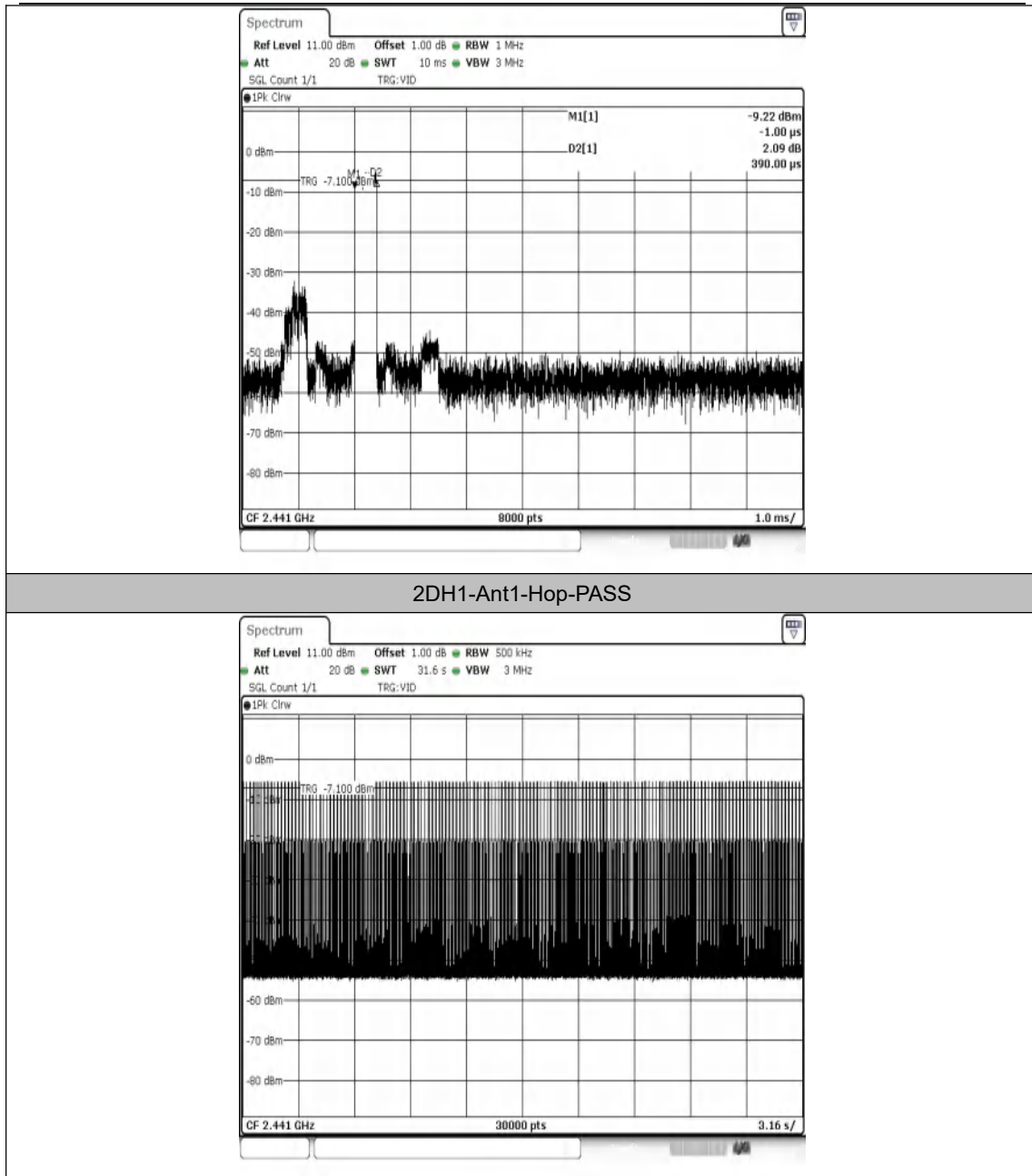


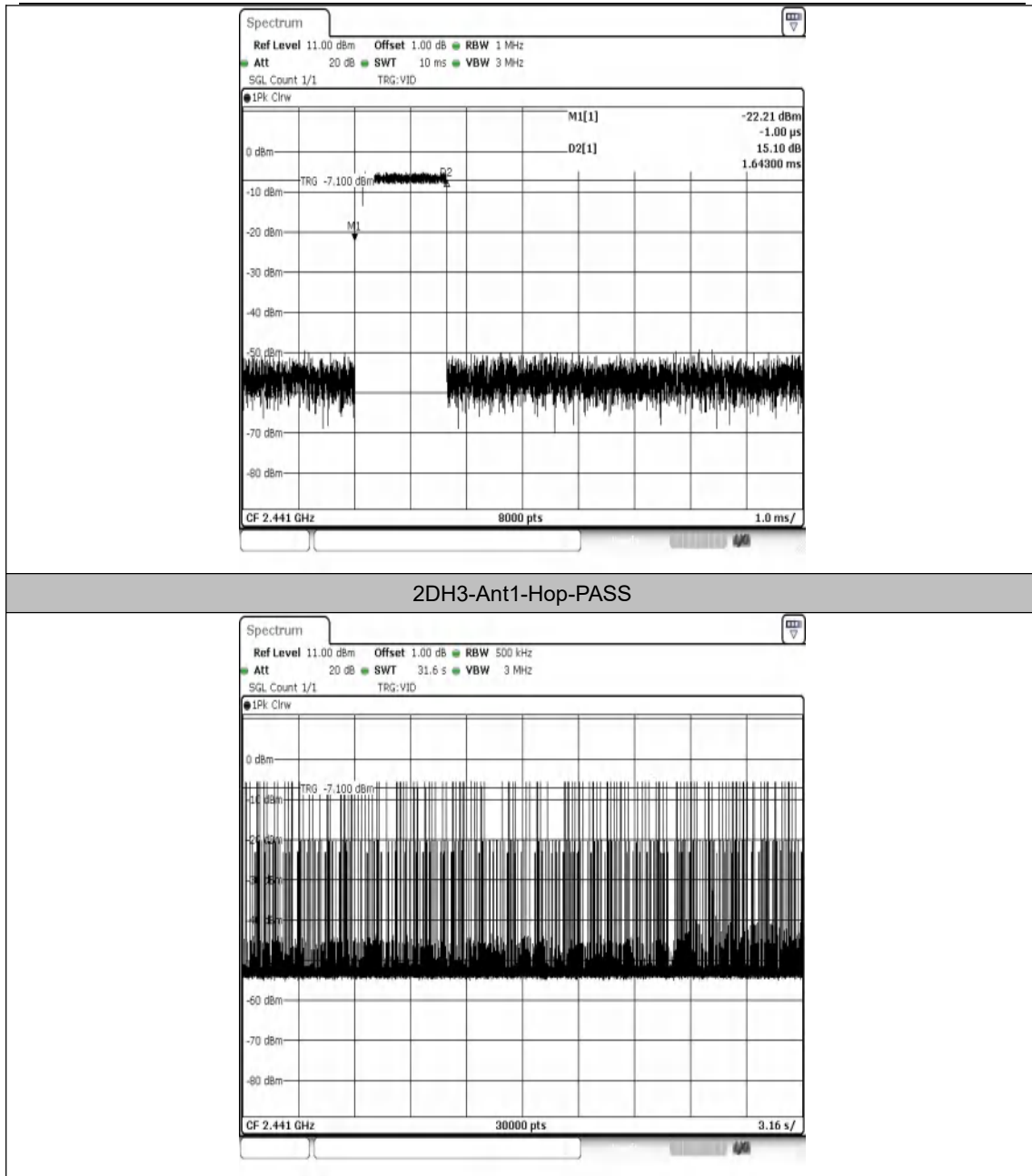
Test Graphs

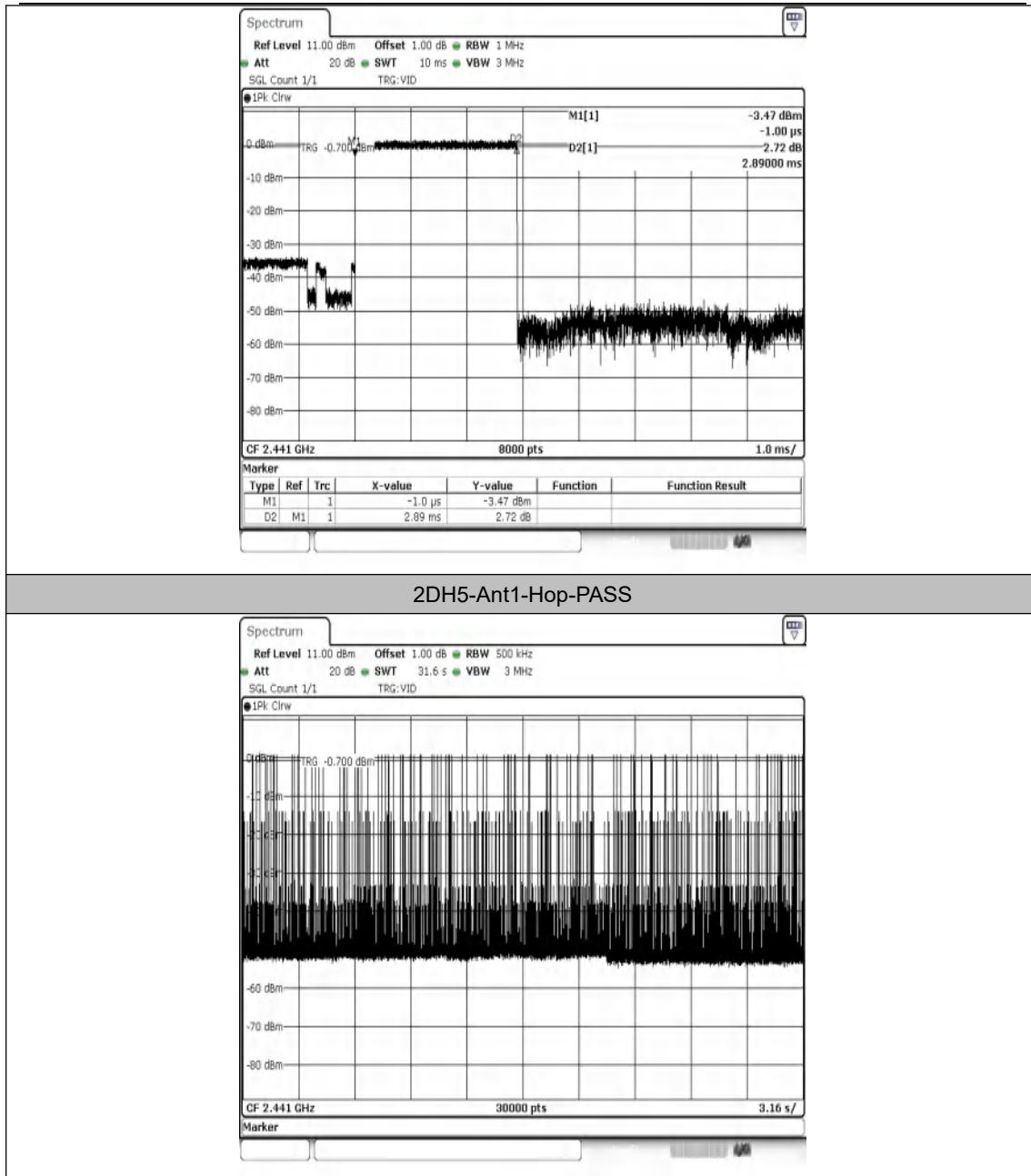


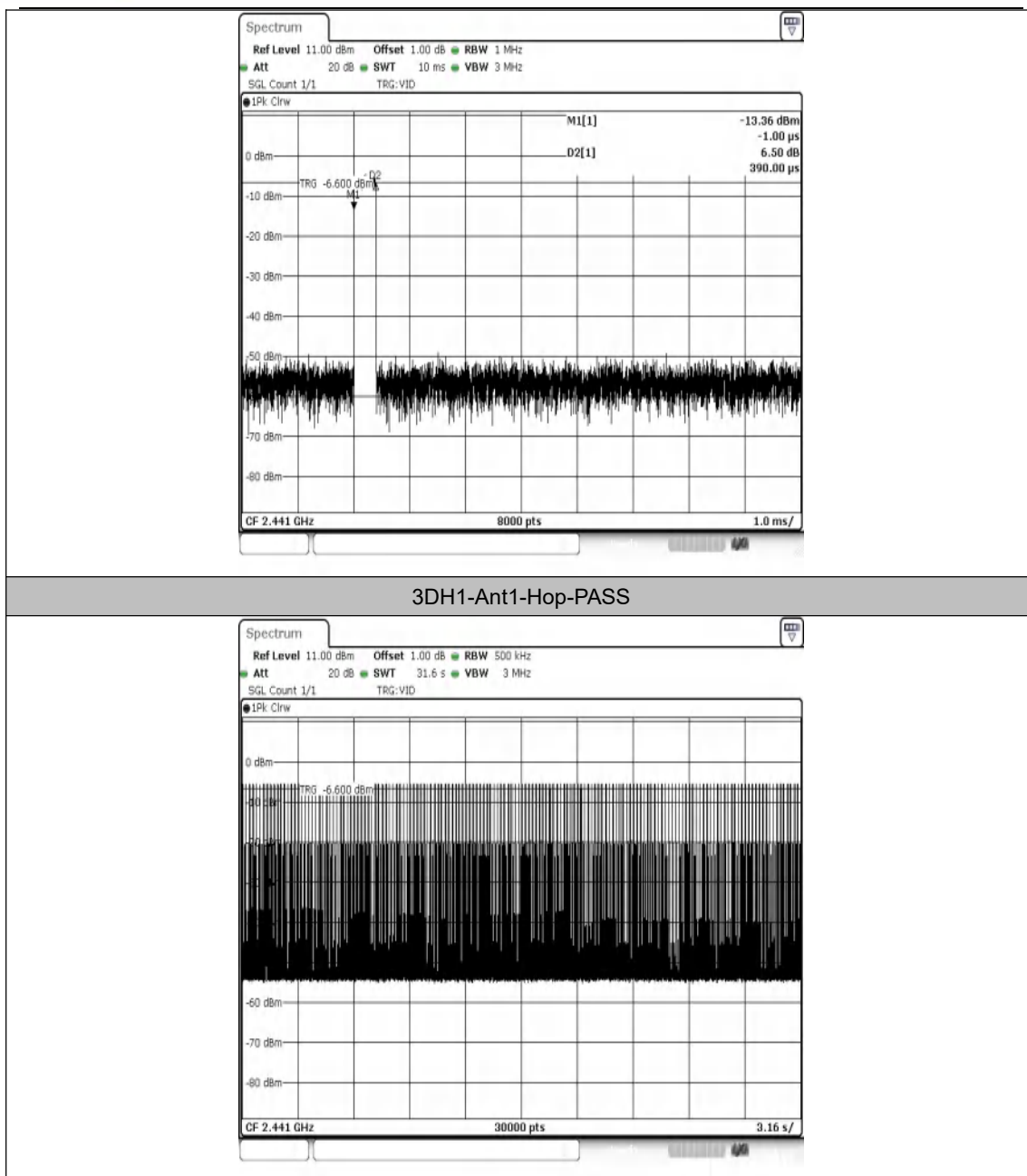


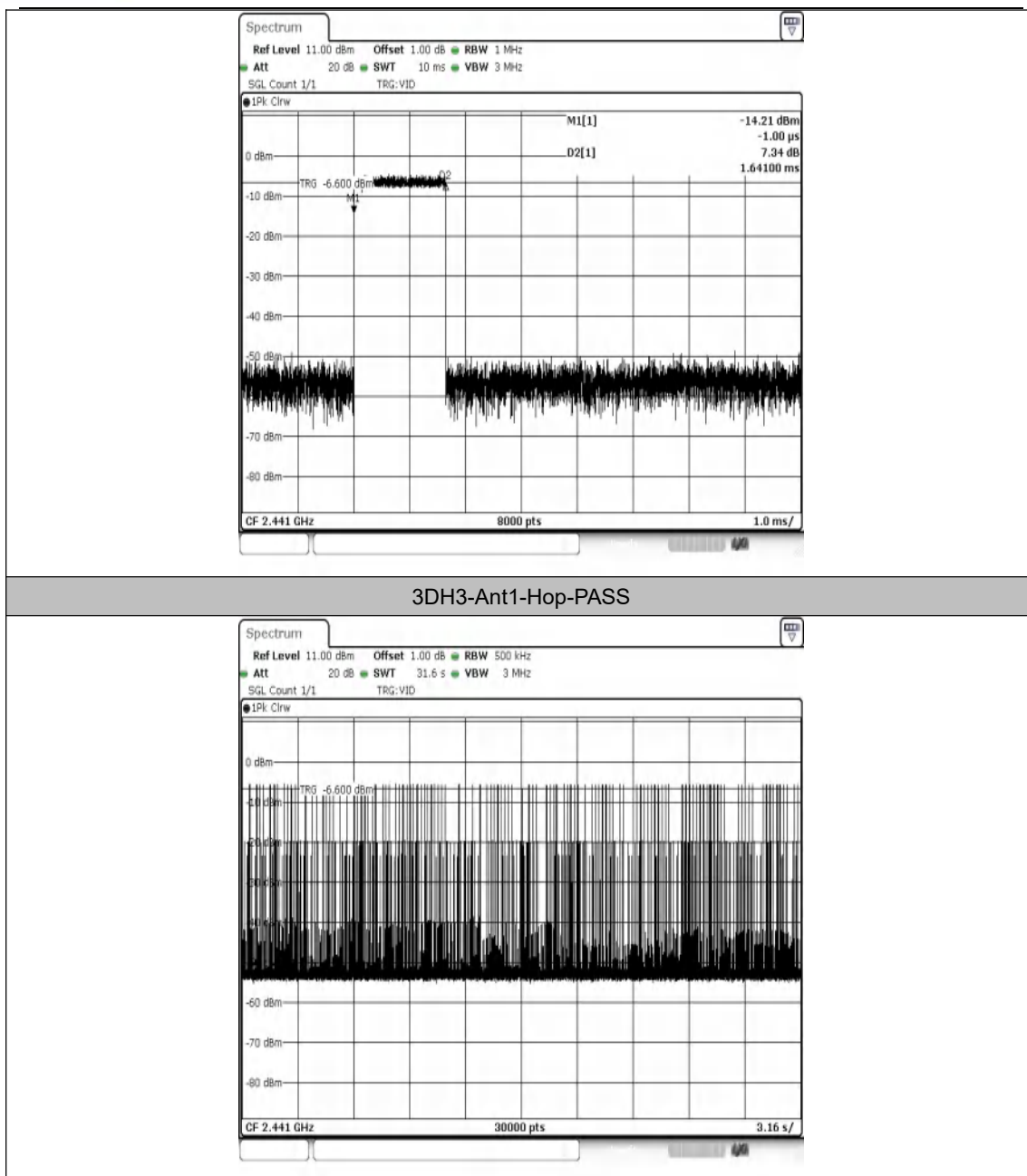


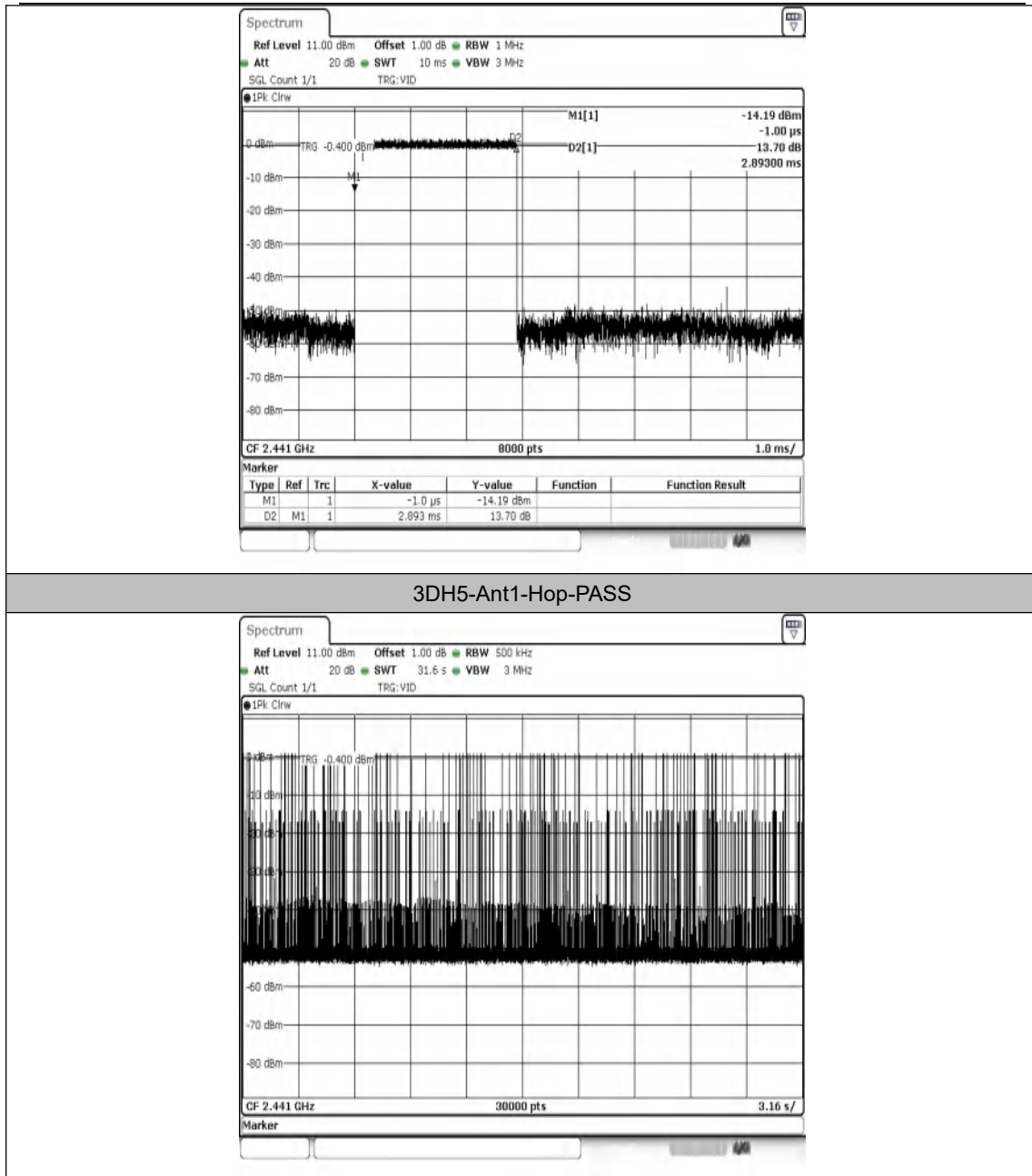












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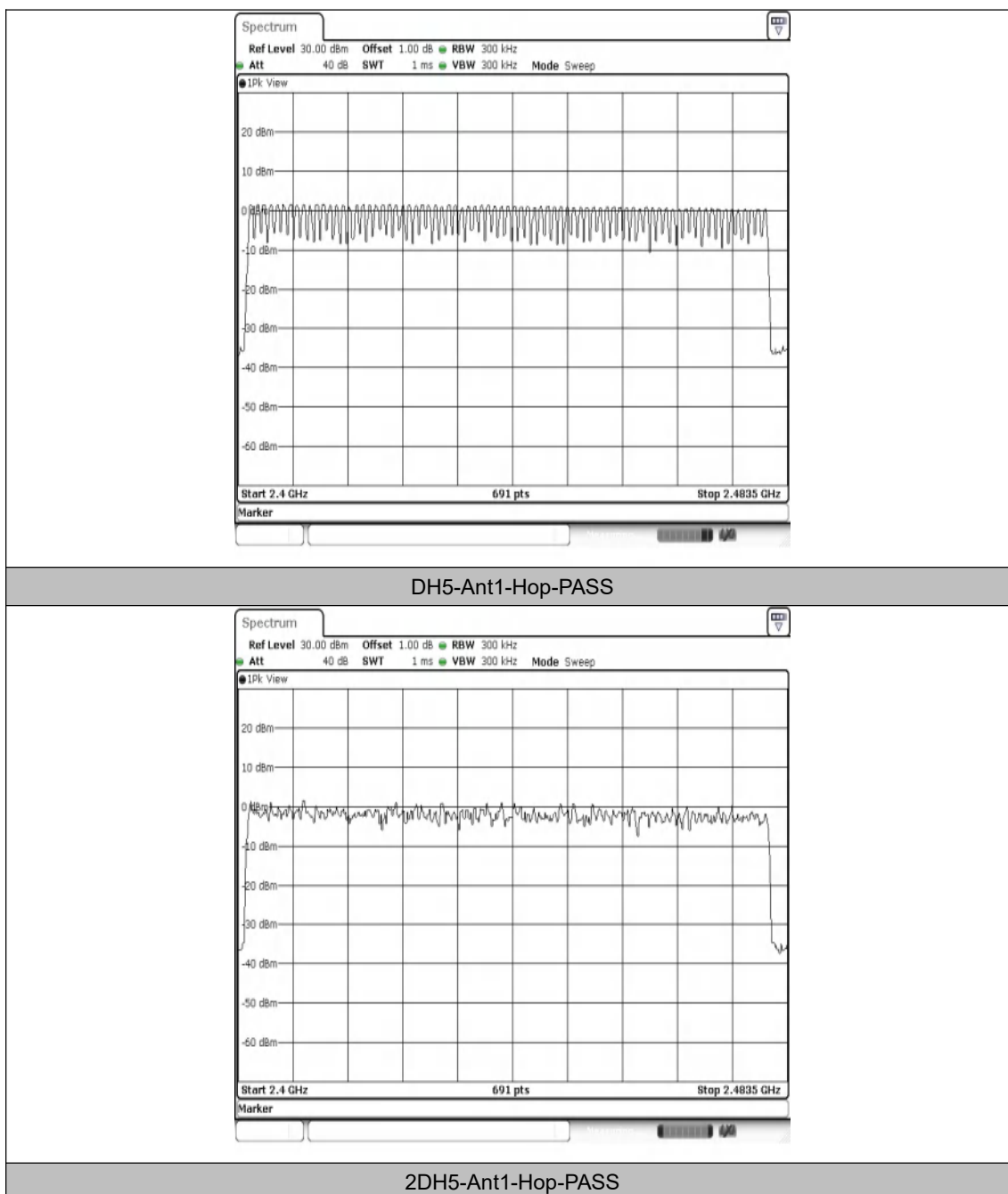
Appendix F: Number of Hopping Channel

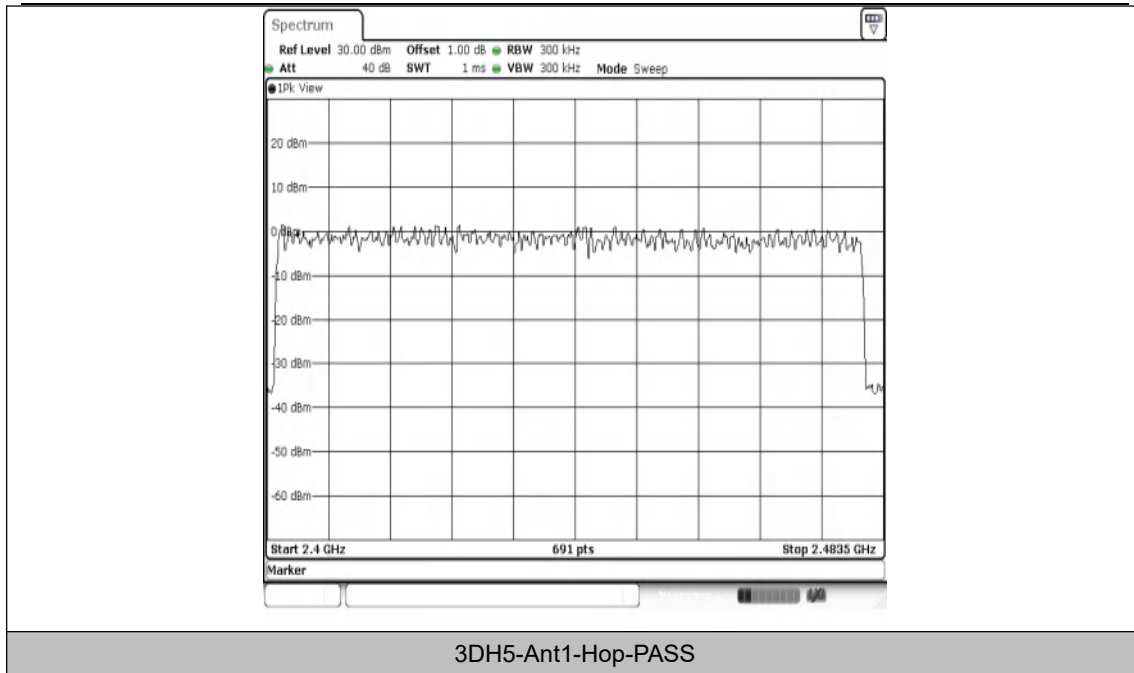
Test Result

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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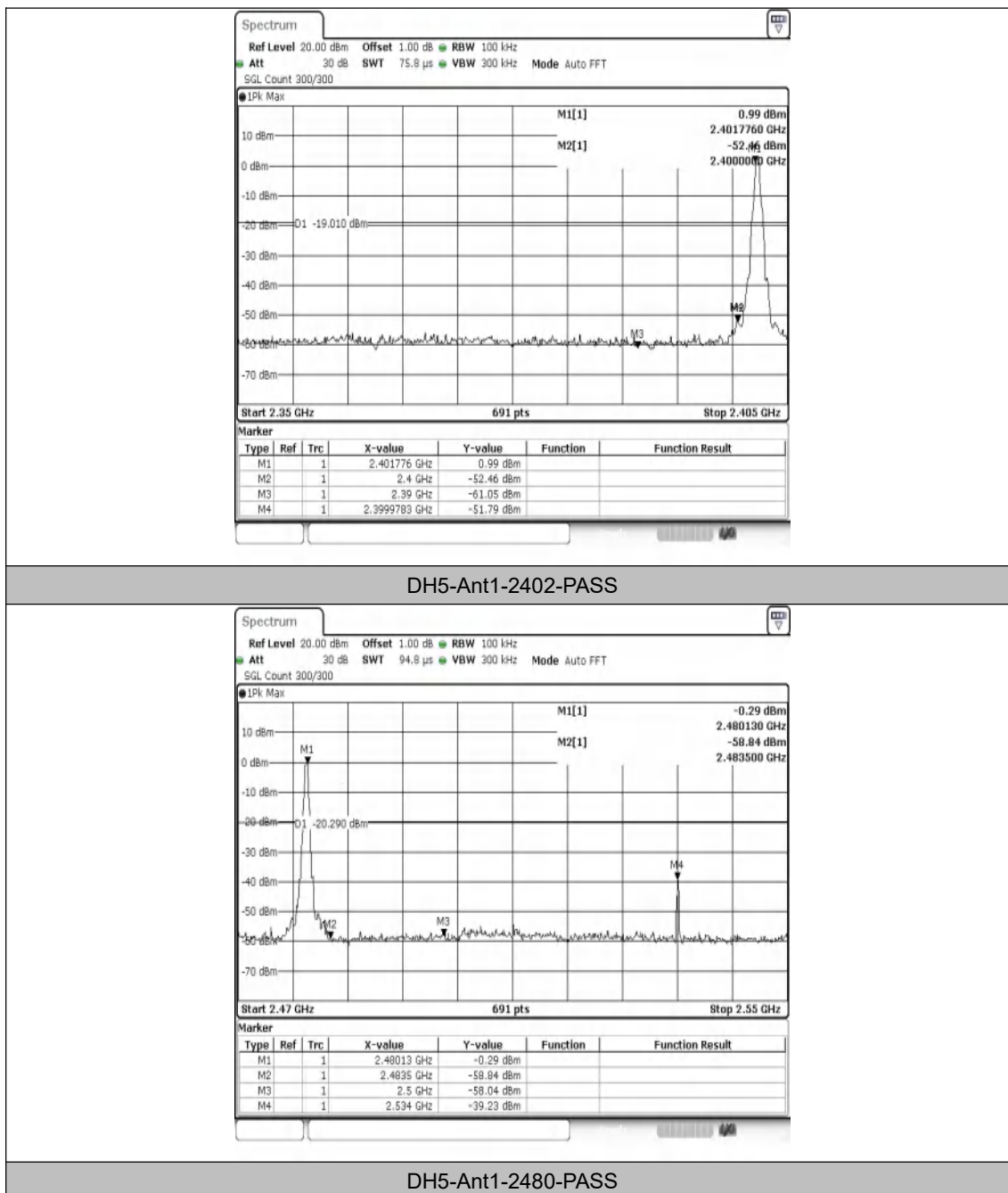
Appendix G: Conducted Band edge

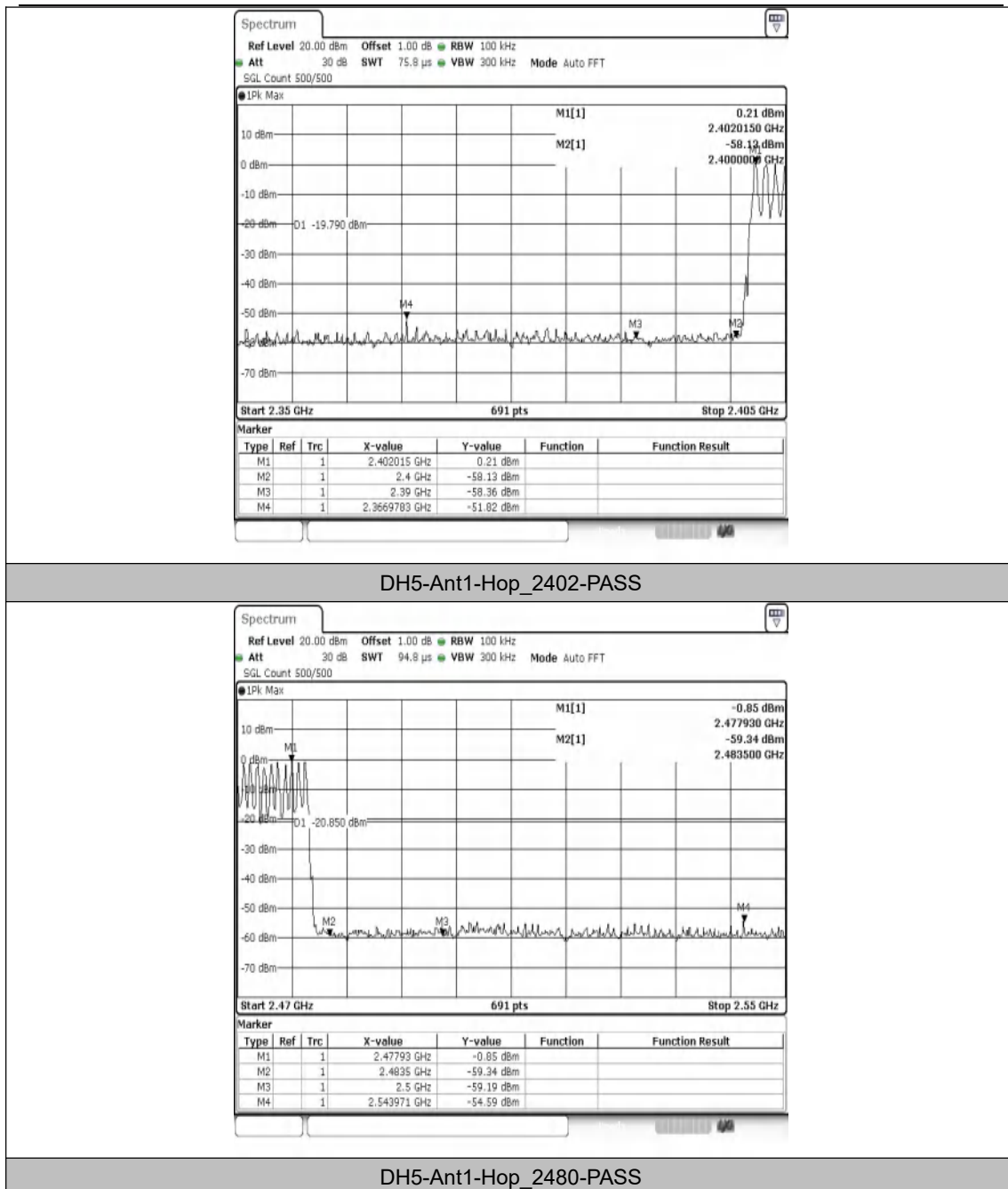
Test Result

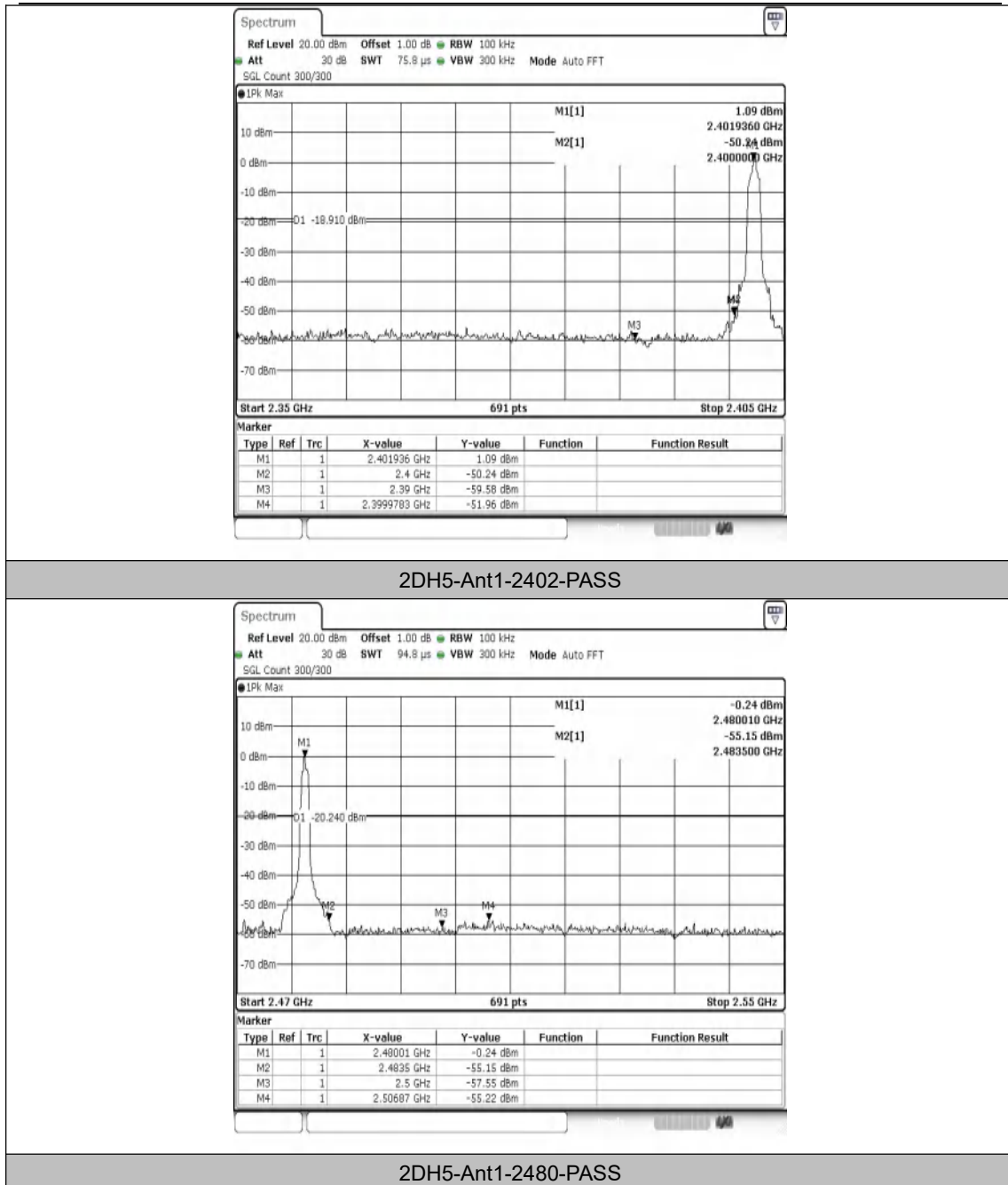
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.99	-51.79	≤-19.01	PASS
DH5	Ant1	High	2480	-0.29	-39.23	≤-20.29	PASS
DH5	Ant1	Low	Hop_2402	0.21	-51.82	≤-19.79	PASS
DH5	Ant1	High	Hop_2480	-0.85	-54.59	≤-20.85	PASS
2DH5	Ant1	Low	2402	1.09	-51.96	≤-18.91	PASS
2DH5	Ant1	High	2480	-0.24	-55.22	≤-20.24	PASS
2DH5	Ant1	Low	Hop_2402	-2.31	-54.21	≤-22.31	PASS
2DH5	Ant1	High	Hop_2480	-0.35	-55.37	≤-20.35	PASS
3DH5	Ant1	Low	2402	1.17	-50.49	≤-18.83	PASS
3DH5	Ant1	High	2480	-0.23	-55.56	≤-20.23	PASS
3DH5	Ant1	Low	Hop_2402	-4.38	-54.31	≤-24.38	PASS
3DH5	Ant1	High	Hop_2480	-0.23	-54.67	≤-20.23	PASS

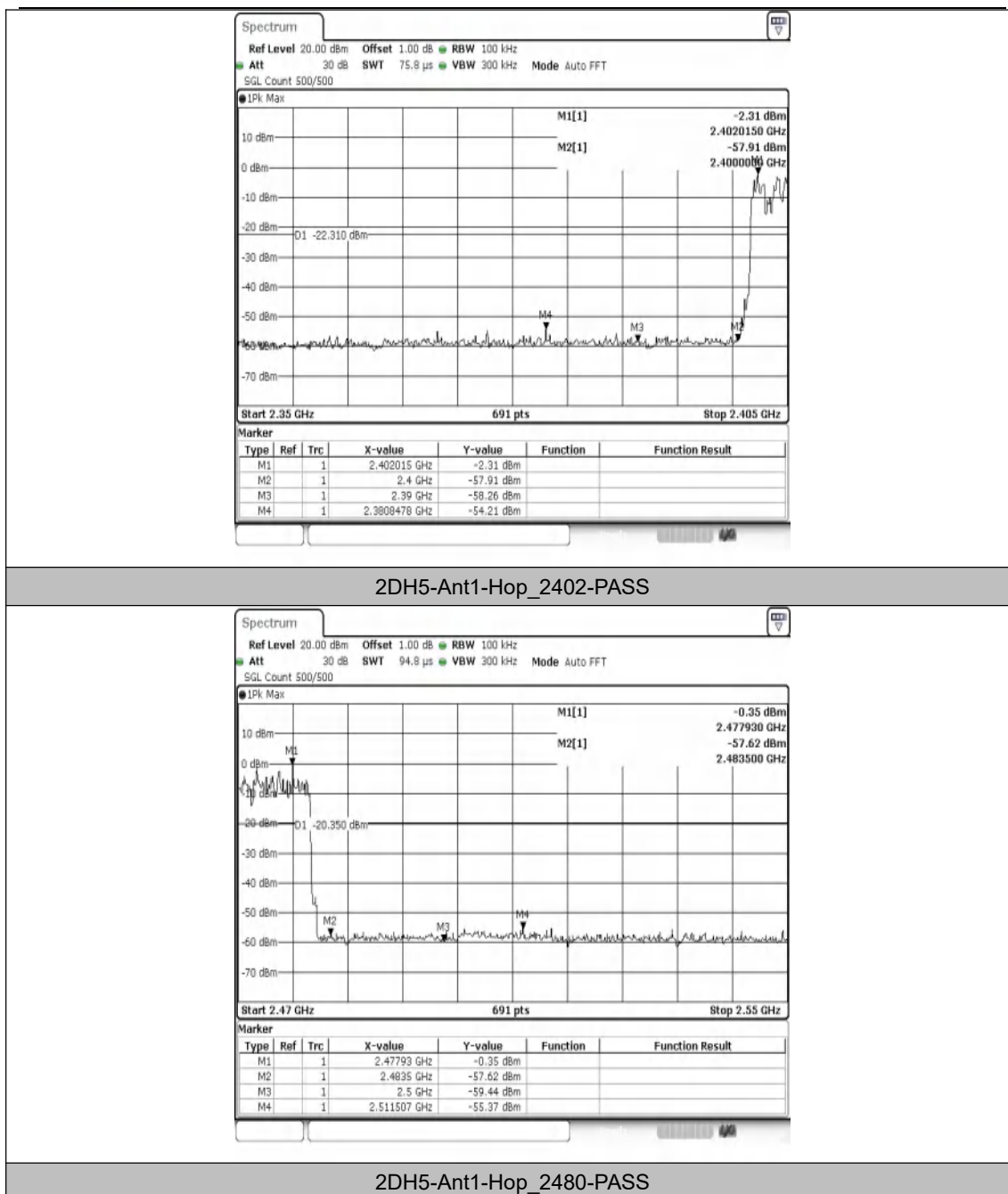


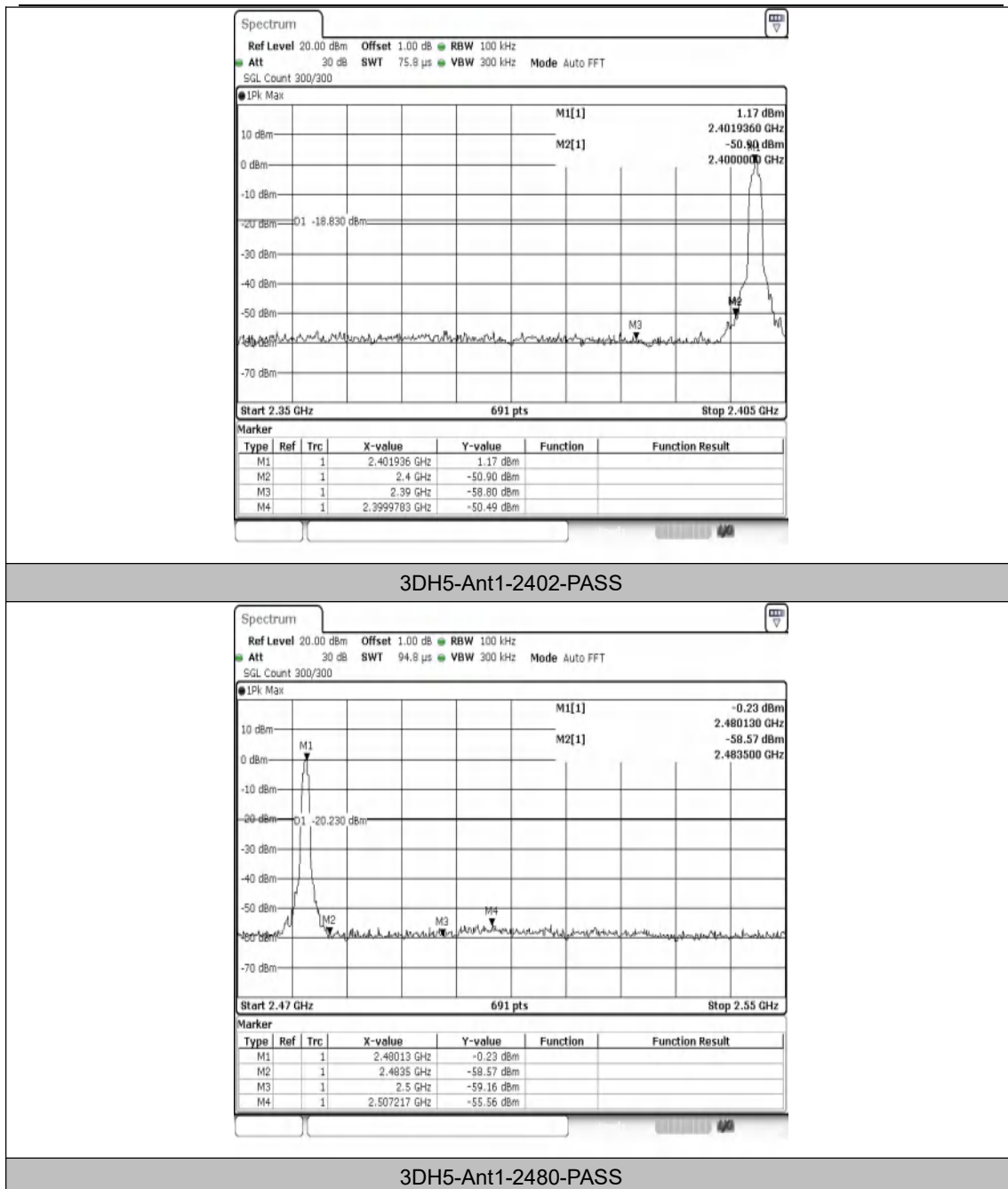
Test Graphs

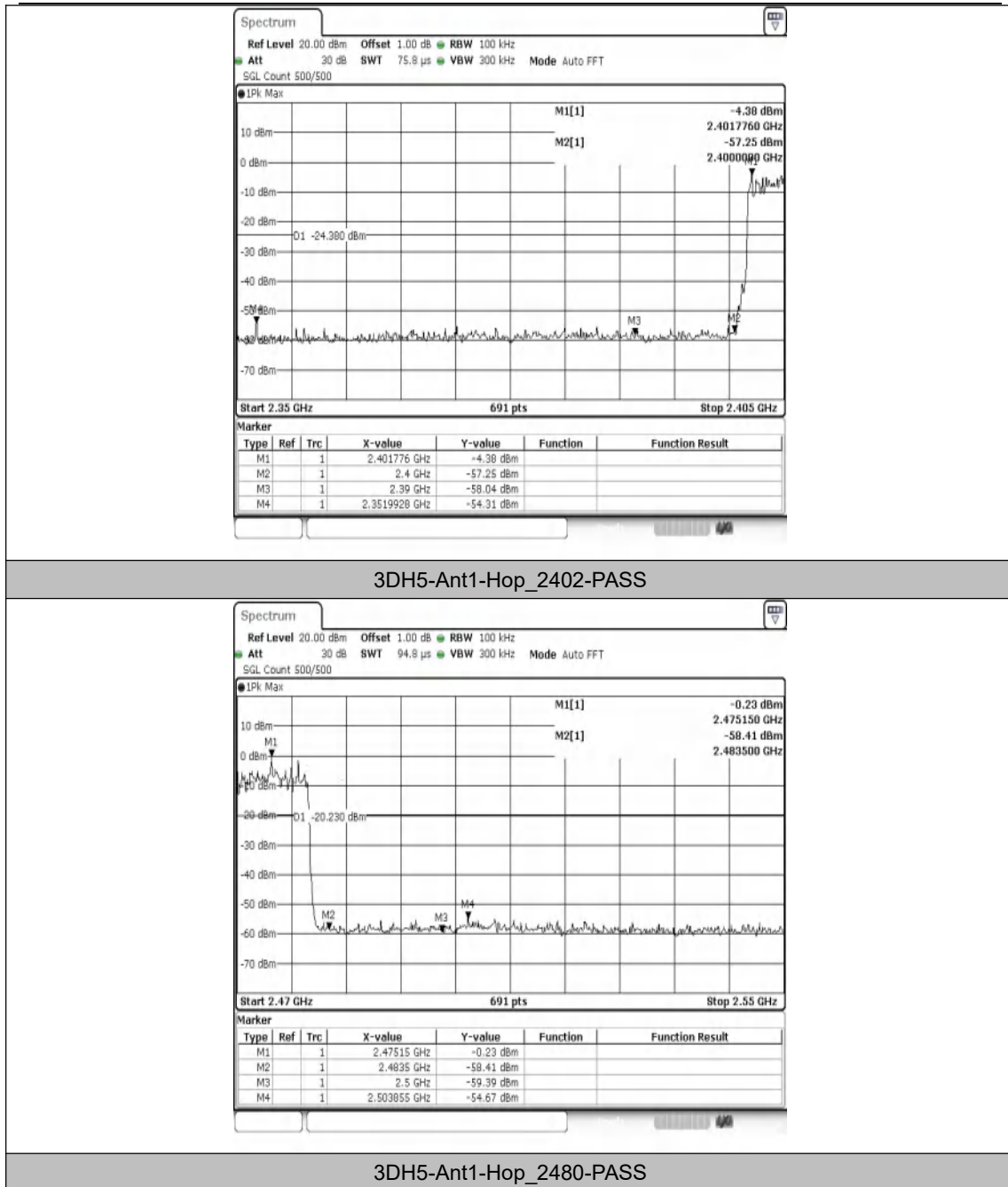












Appendix H: Conducted Spurious Emission

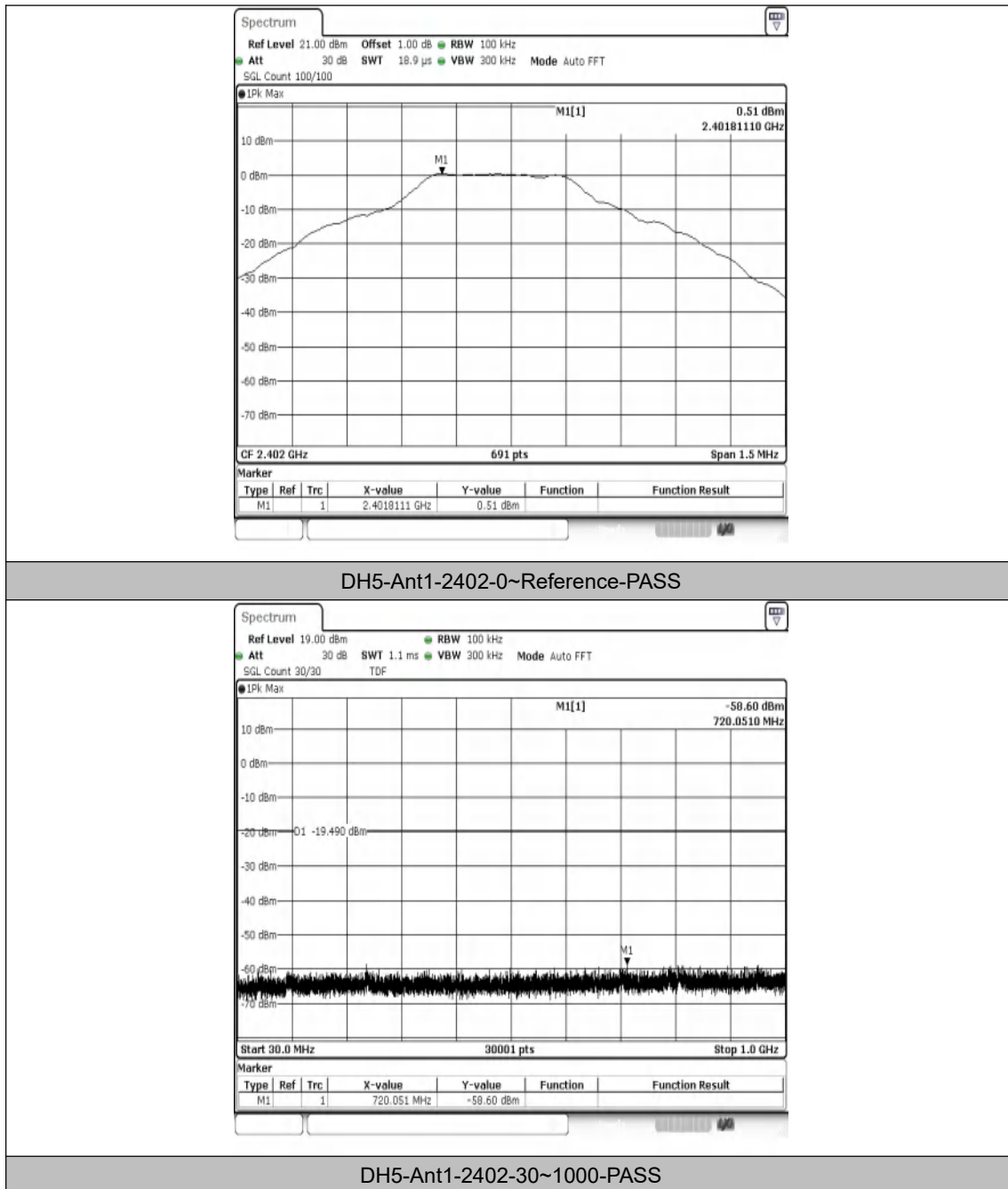
Test Result

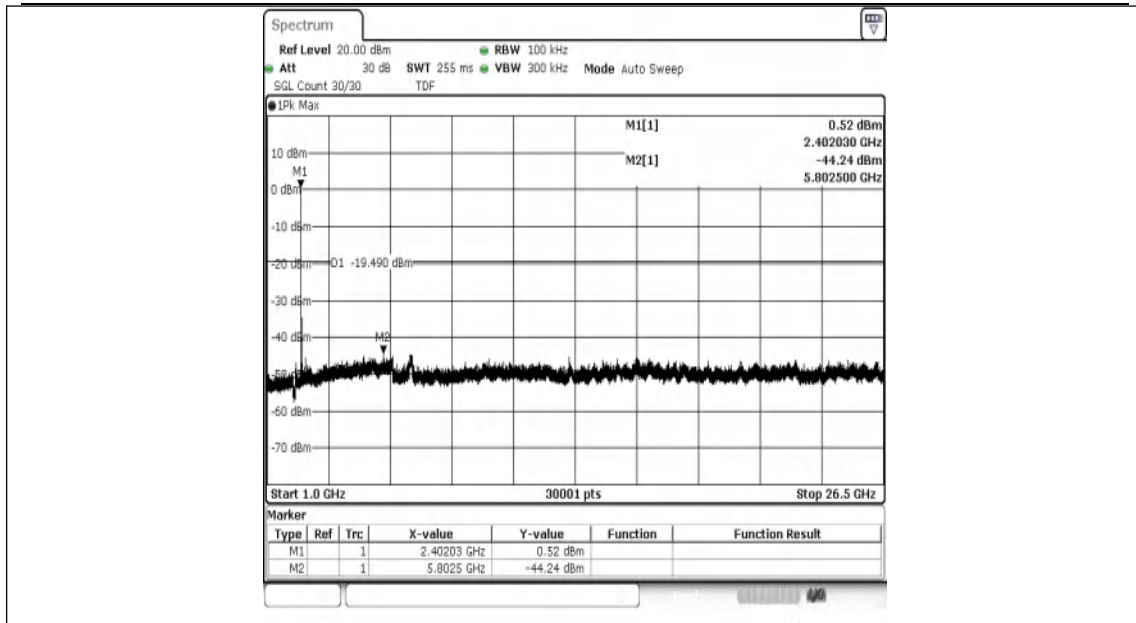
Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.51	0.51	---	PASS
DH5	Ant1	2402	30~1000	0.51	-58.6	≤-19.49	PASS
DH5	Ant1	2402	1000~26500	0.51	-44.24	≤-19.49	PASS
DH5	Ant1	2441	0~Reference	0.55	0.55	---	PASS
DH5	Ant1	2441	30~1000	0.55	-58.52	≤-19.45	PASS
DH5	Ant1	2441	1000~26500	0.55	-43.83	≤-19.45	PASS
DH5	Ant1	2480	0~Reference	-0.70	-0.70	---	PASS
DH5	Ant1	2480	30~1000	-0.70	-58.41	≤-20.7	PASS
DH5	Ant1	2480	1000~26500	-0.70	-44.26	≤-20.7	PASS
2DH5	Ant1	2402	0~Reference	1.01	1.01	---	PASS
2DH5	Ant1	2402	30~1000	1.01	-57.77	≤-18.99	PASS
2DH5	Ant1	2402	1000~26500	1.01	-43.92	≤-18.99	PASS
2DH5	Ant1	2441	0~Reference	0.47	0.47	---	PASS
2DH5	Ant1	2441	30~1000	0.47	-58.28	≤-19.53	PASS
2DH5	Ant1	2441	1000~26500	0.47	-43.55	≤-19.53	PASS
2DH5	Ant1	2480	0~Reference	-4.28	-4.28	---	PASS
2DH5	Ant1	2480	30~1000	-4.28	-58.42	≤-24.28	PASS
2DH5	Ant1	2480	1000~26500	-4.28	-43.25	≤-24.28	PASS
3DH5	Ant1	2402	0~Reference	-0.45	-0.45	---	PASS
3DH5	Ant1	2402	30~1000	-0.45	-43.92	≤-20.45	PASS
3DH5	Ant1	2402	1000~26500	-0.45	-43.32	≤-20.45	PASS
3DH5	Ant1	2441	0~Reference	-0.04	-0.04	---	PASS
3DH5	Ant1	2441	30~1000	-0.04	-58.8	≤-20.04	PASS
3DH5	Ant1	2441	1000~26500	-0.04	-44.13	≤-20.04	PASS
3DH5	Ant1	2480	0~Reference	-2.12	-2.12	---	PASS
3DH5	Ant1	2480	30~1000	-2.12	-58.5	≤-22.12	PASS
3DH5	Ant1	2480	1000~26500	-2.12	-44.38	≤-22.12	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.

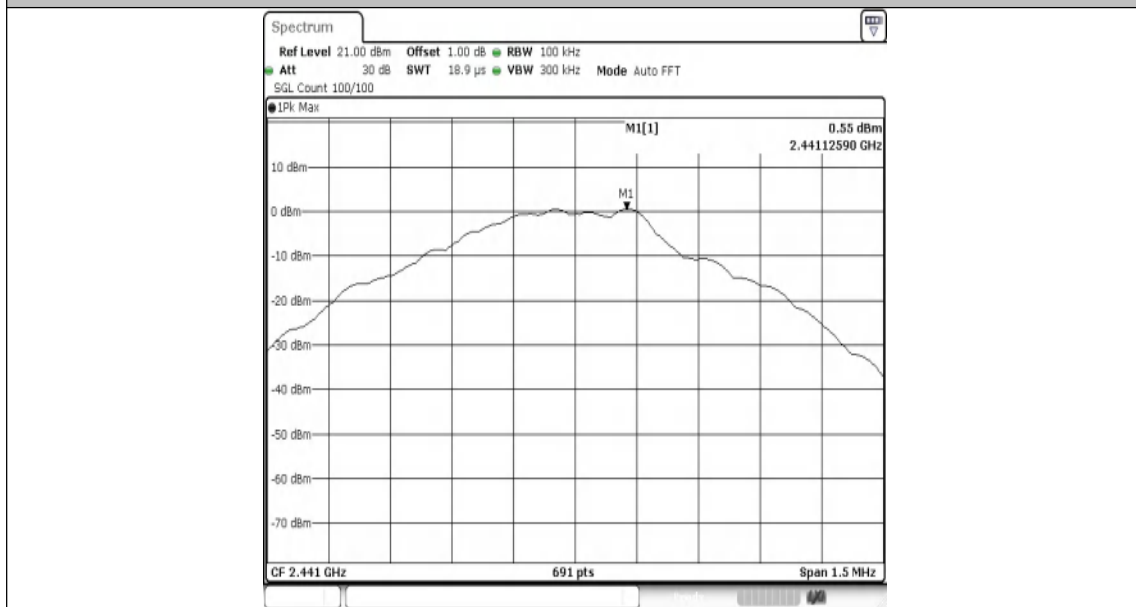


Test Graphs



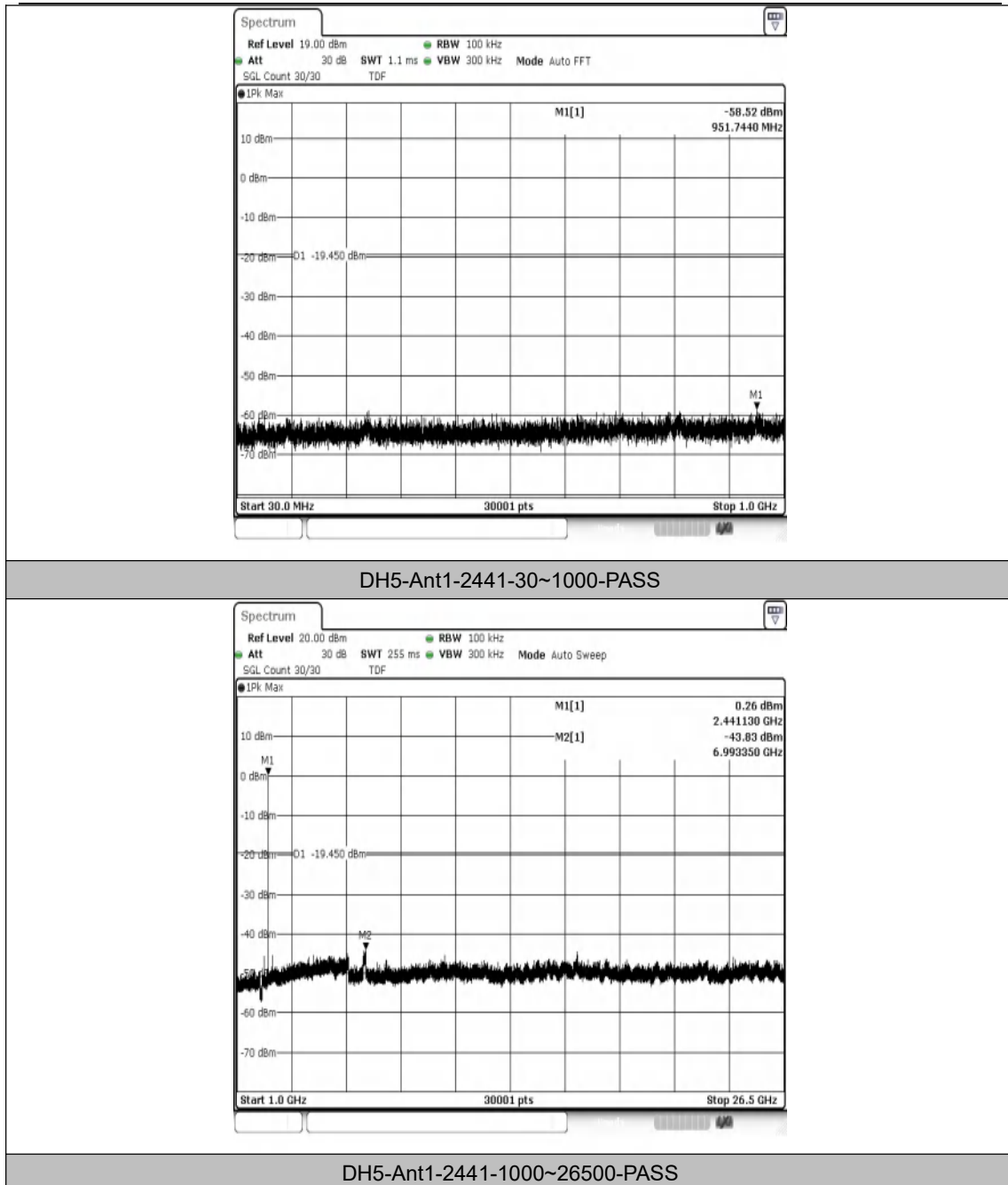


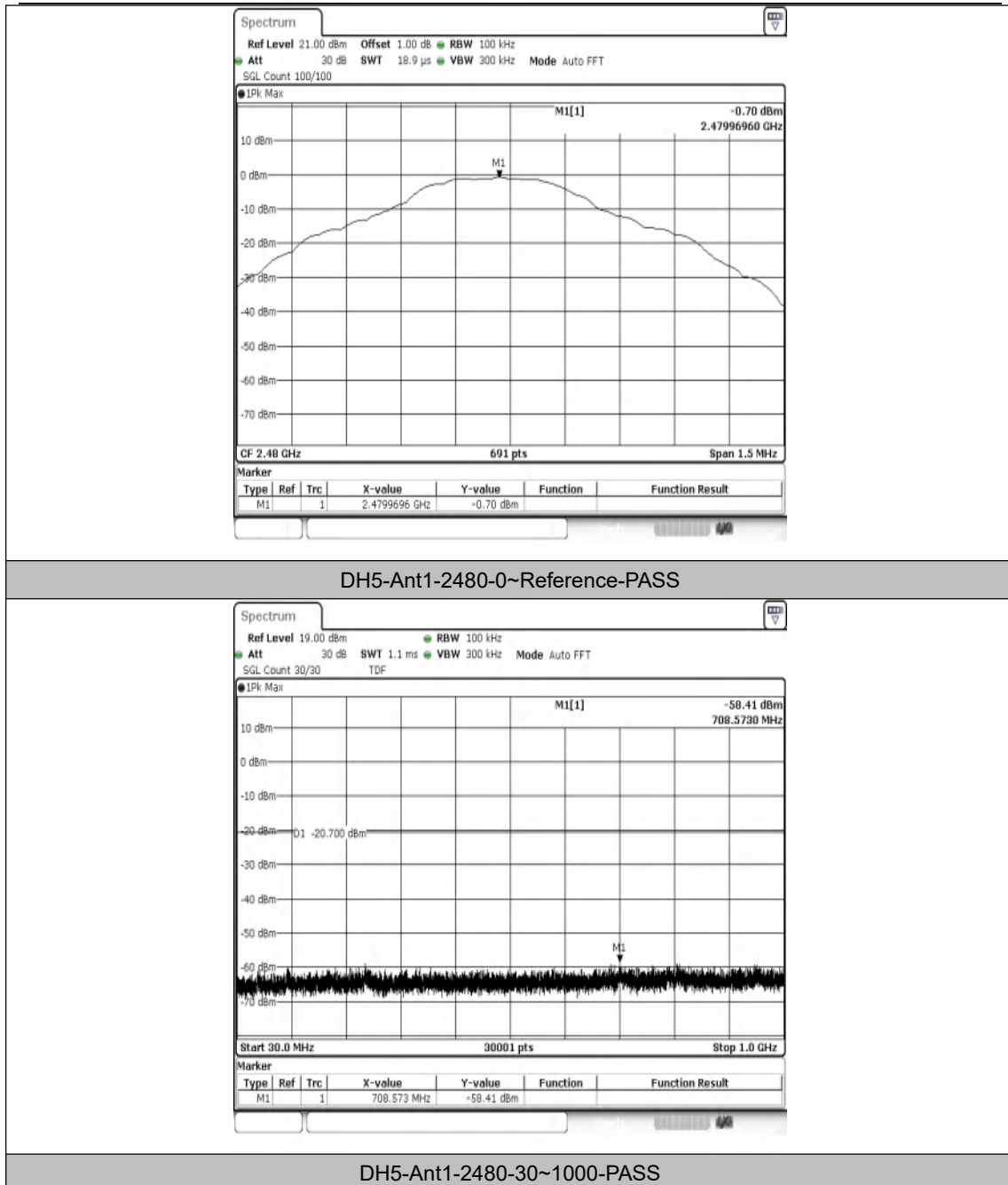
DH5-Ant1-2402-1000~26500-PASS

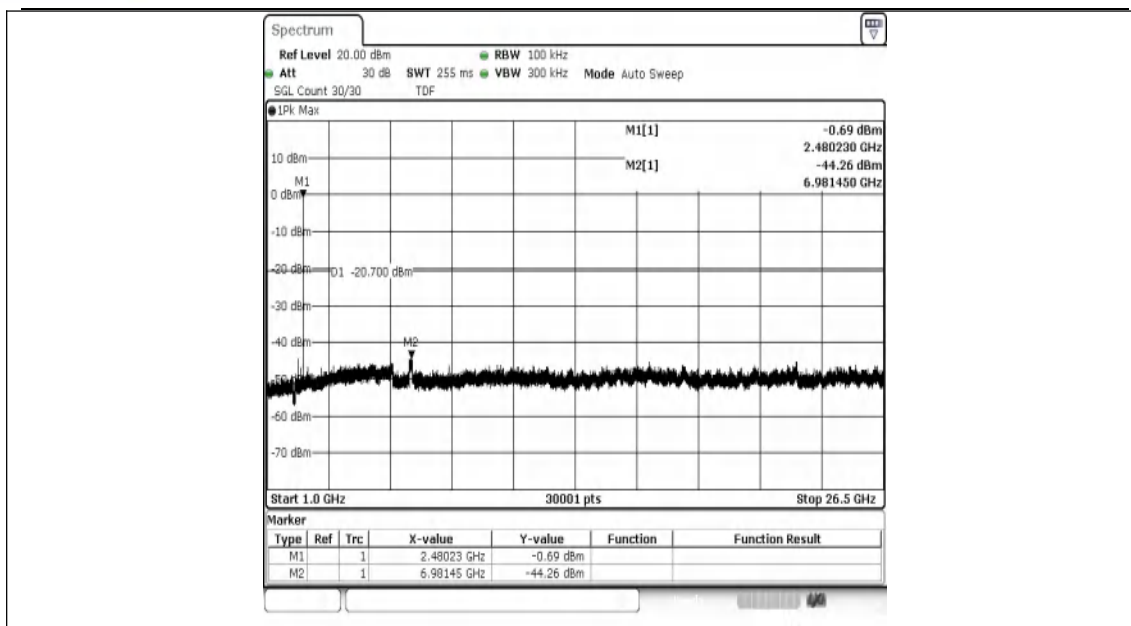


DH5-Ant1-2441-0~Reference-PASS

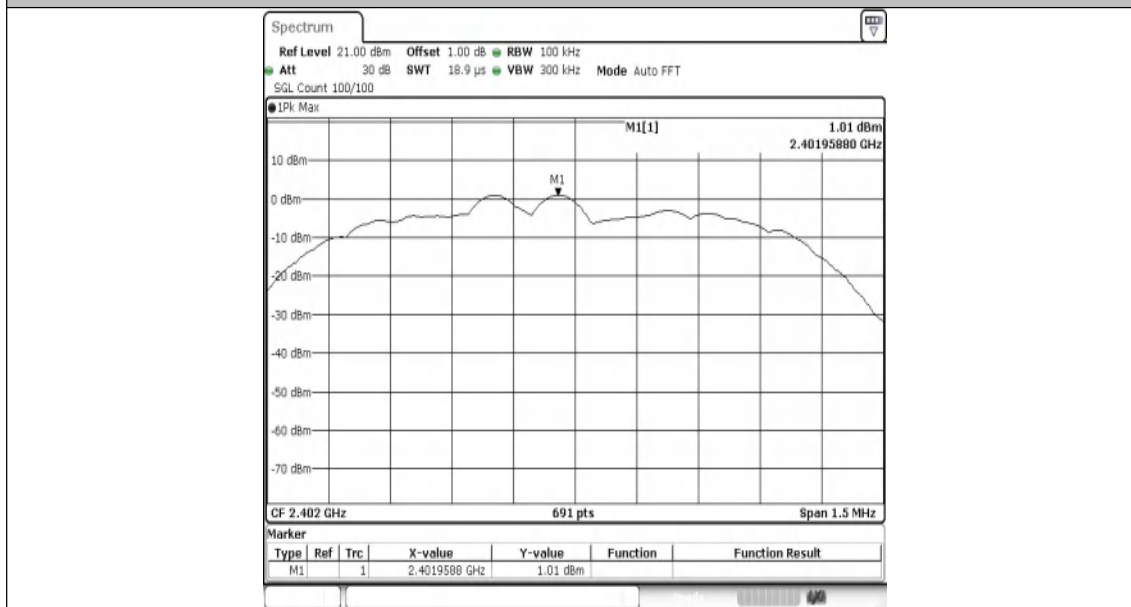






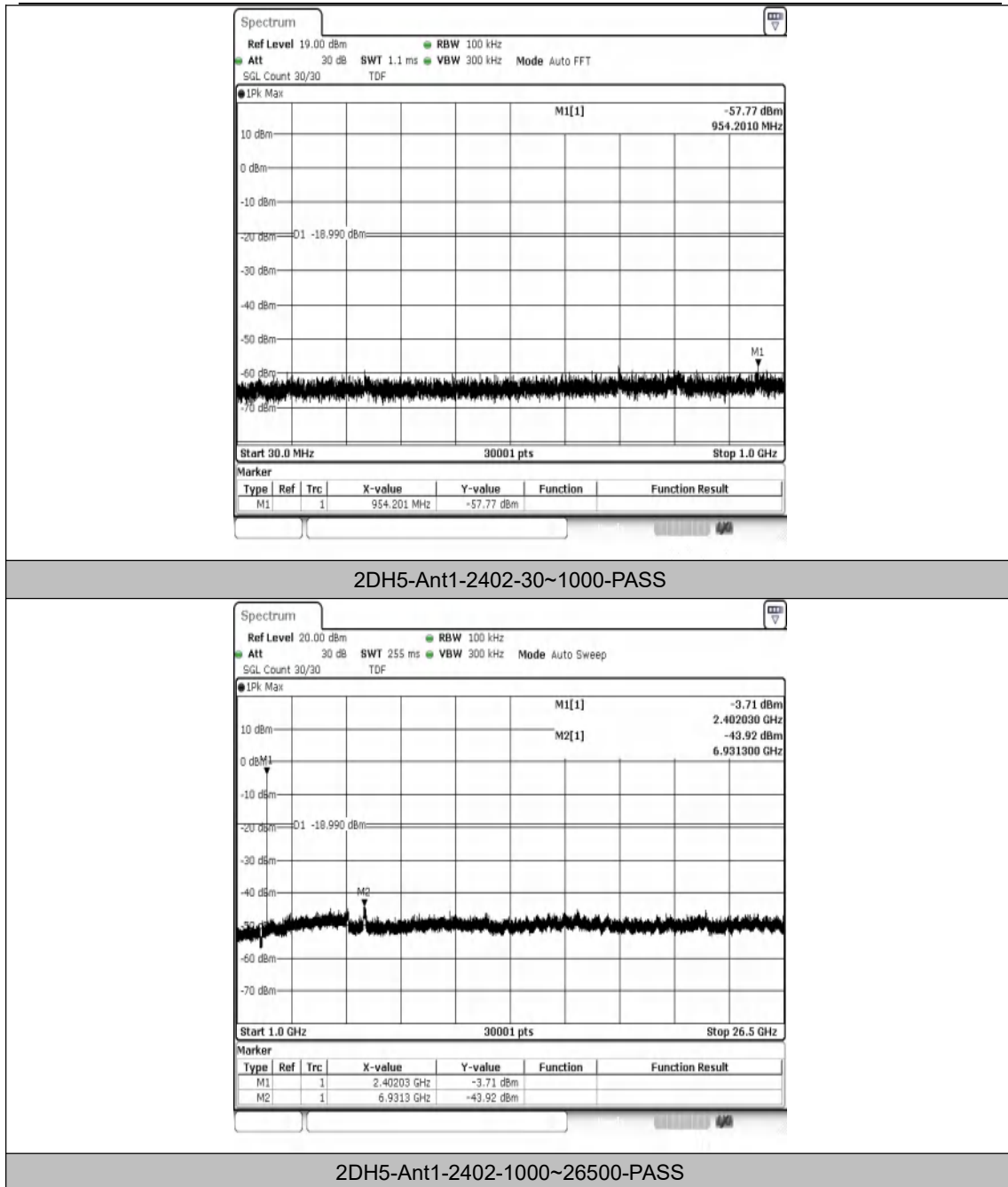


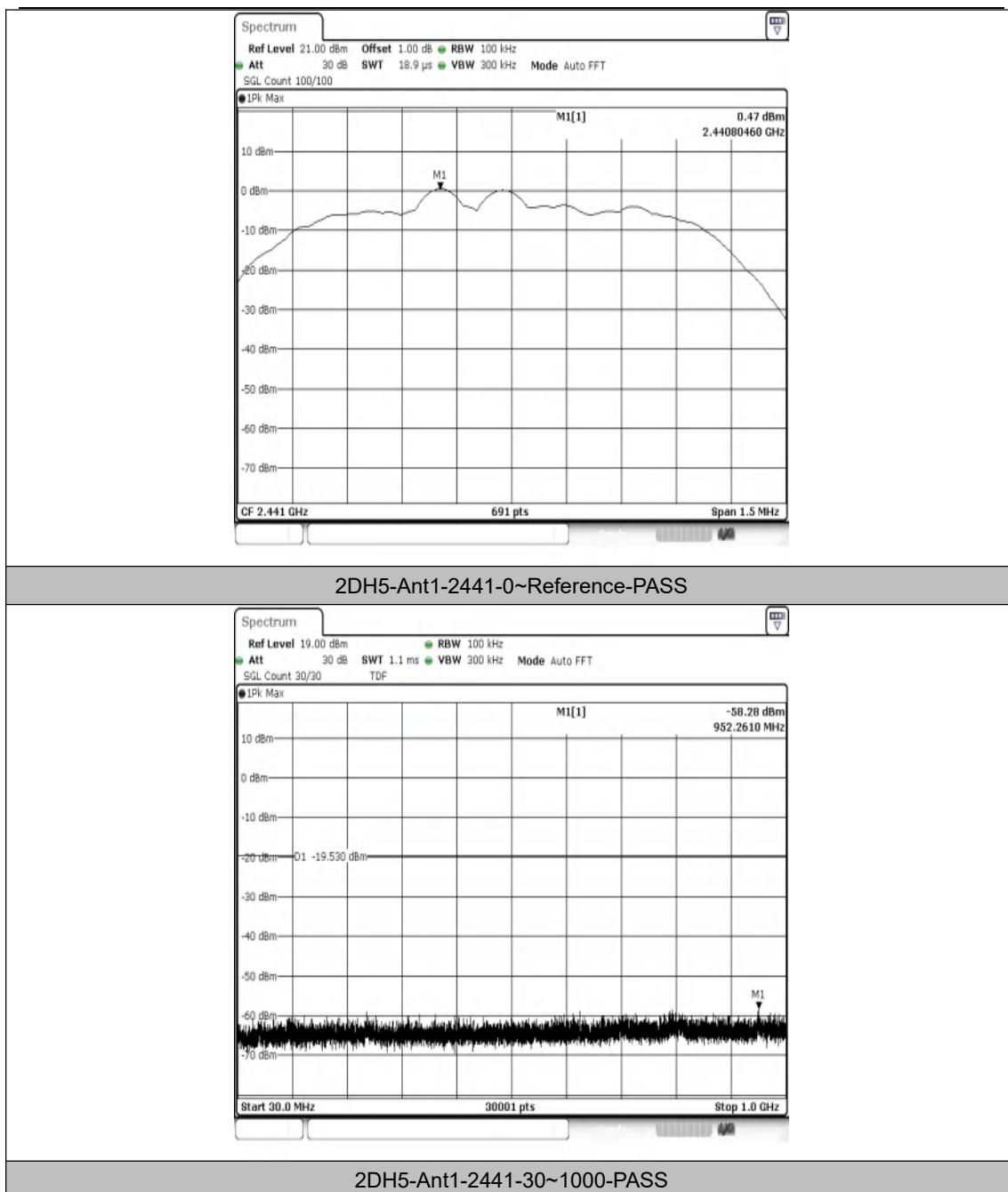
DH5-Ant1-2480-1000~26500-PASS

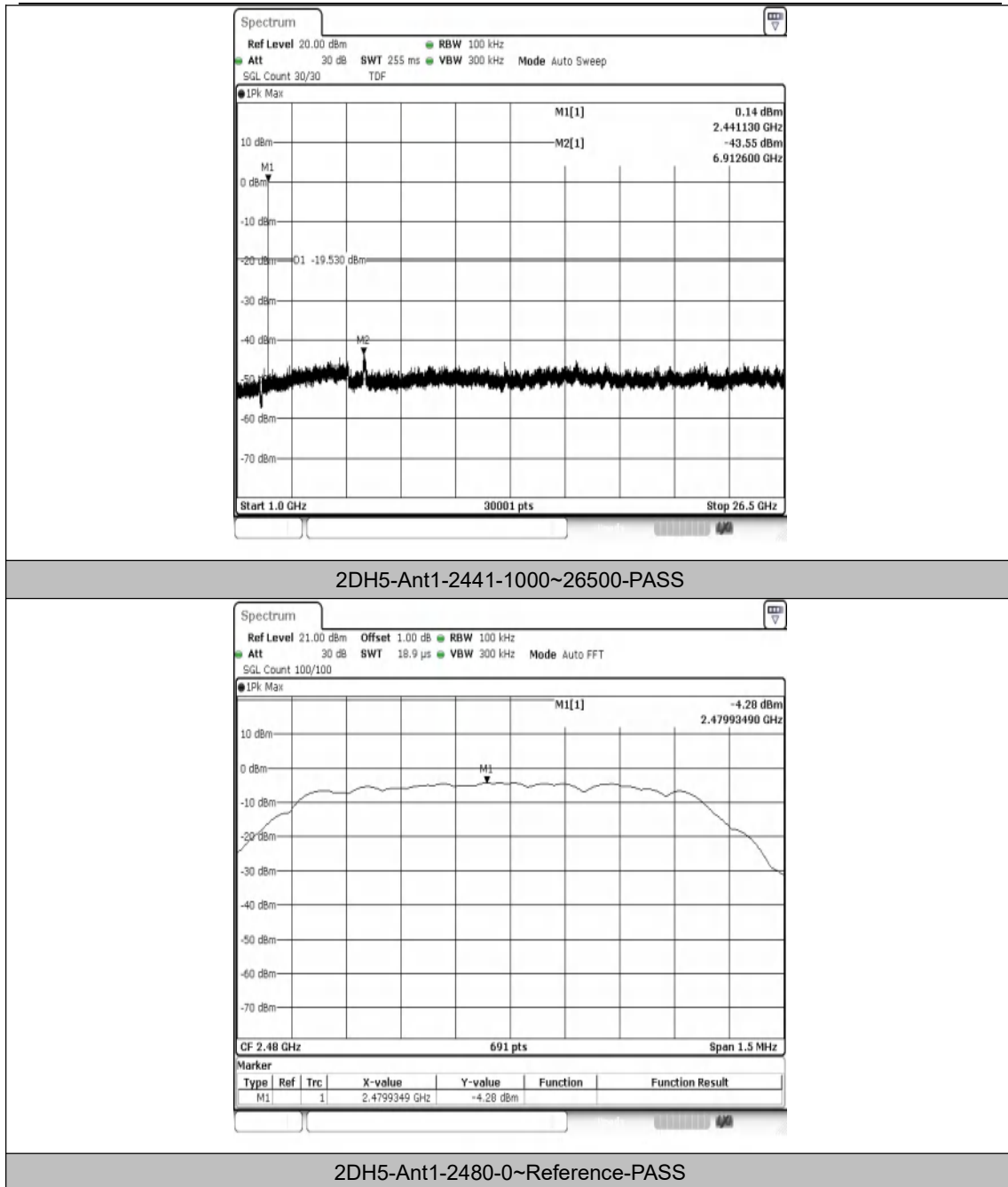


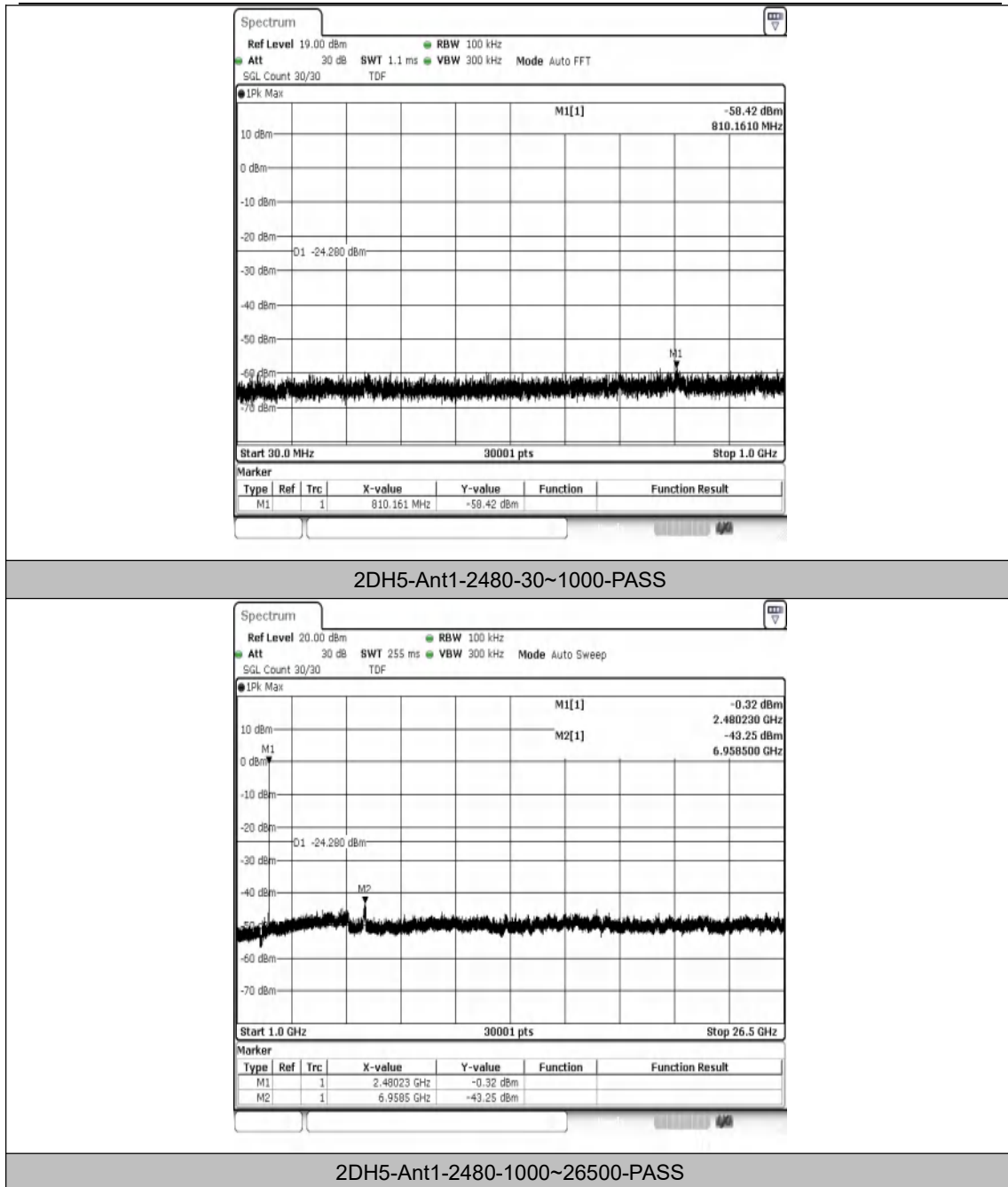
2DH5-Ant1-2402-0~Reference-PASS

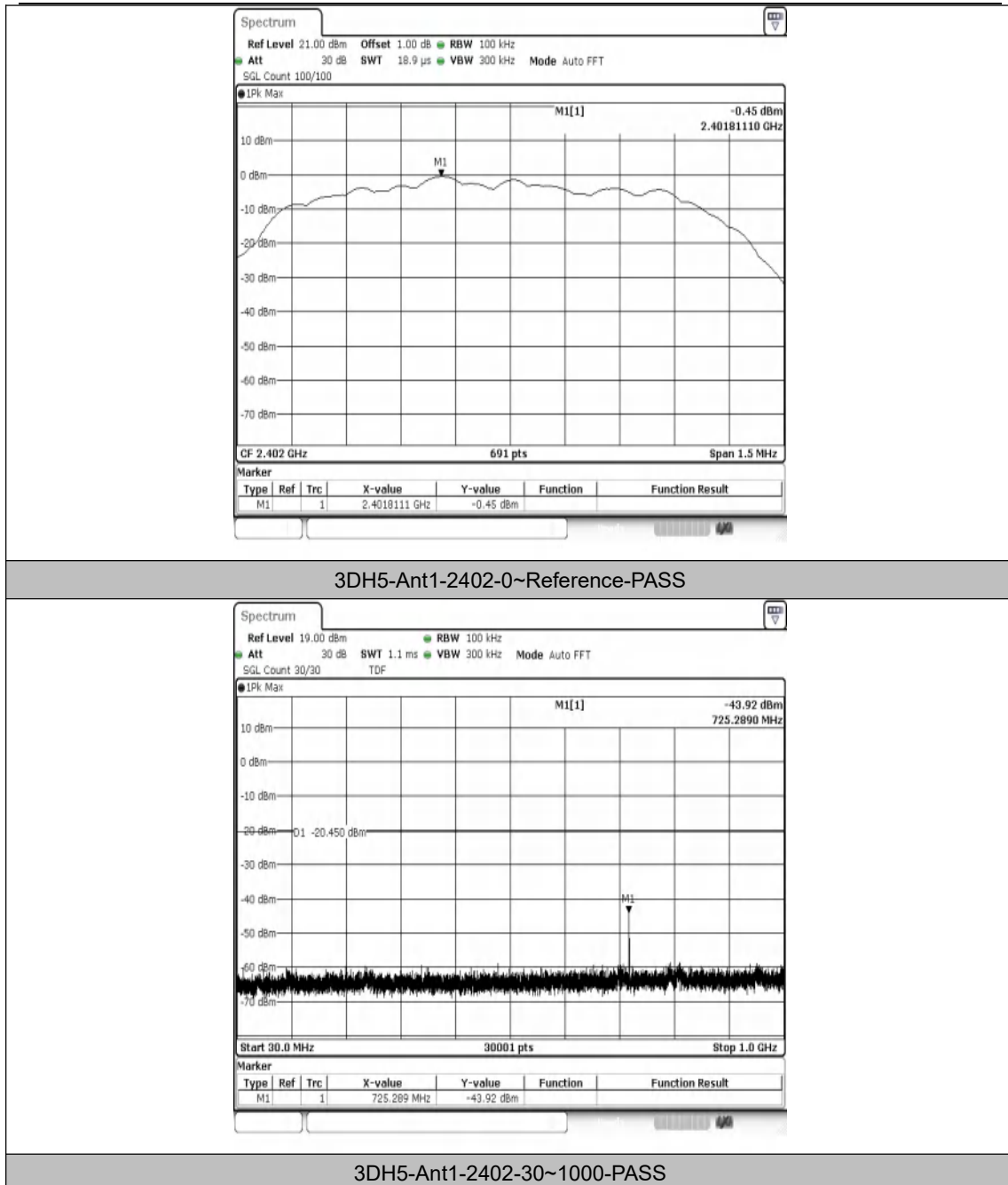


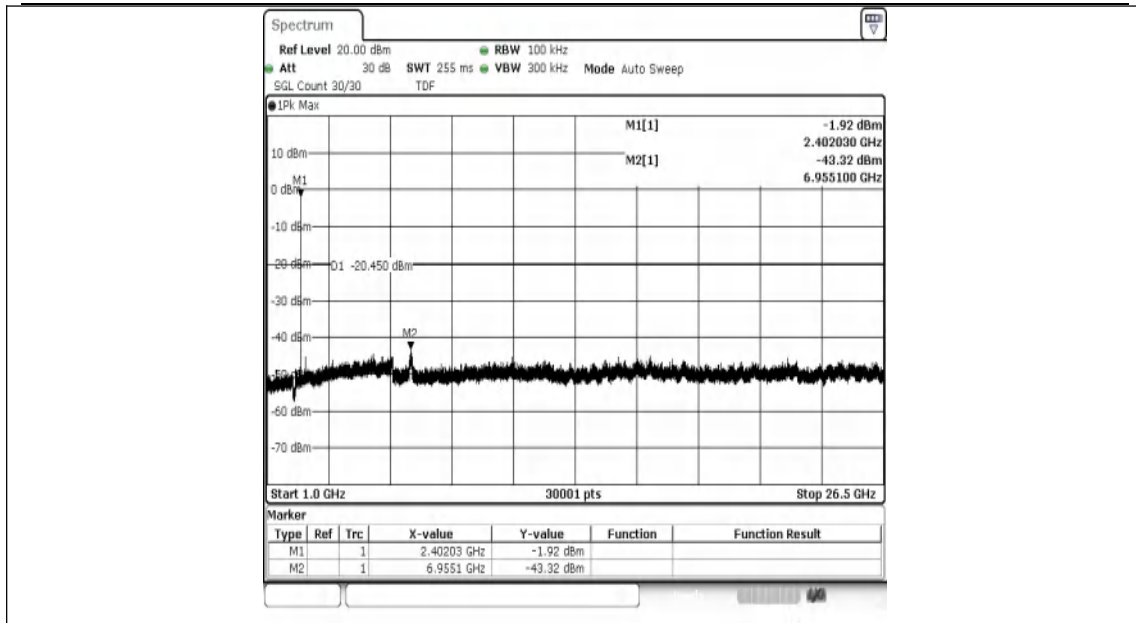




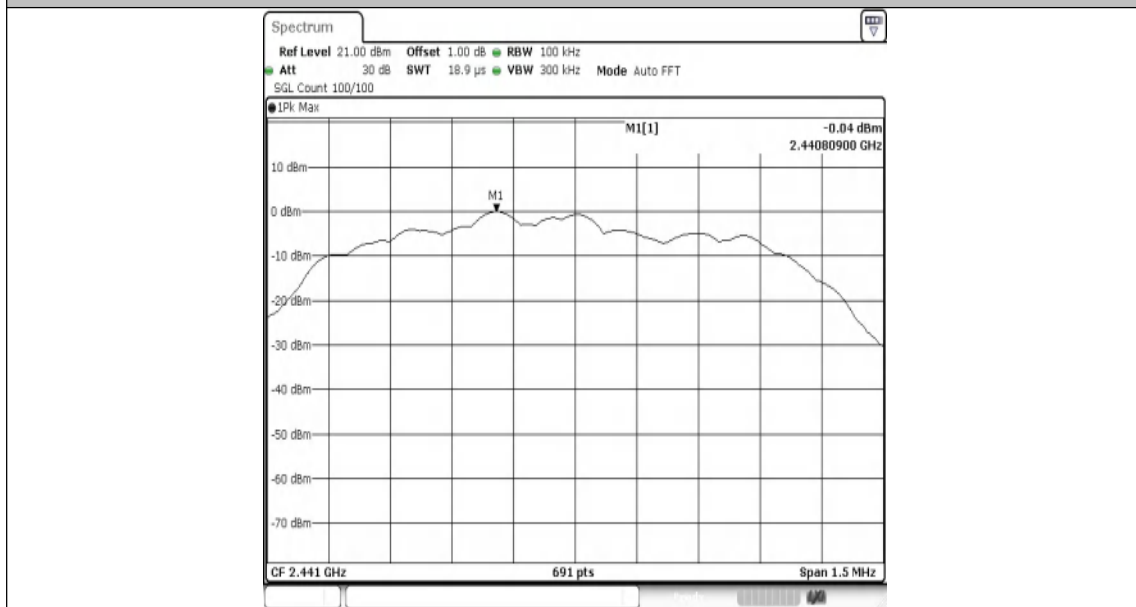






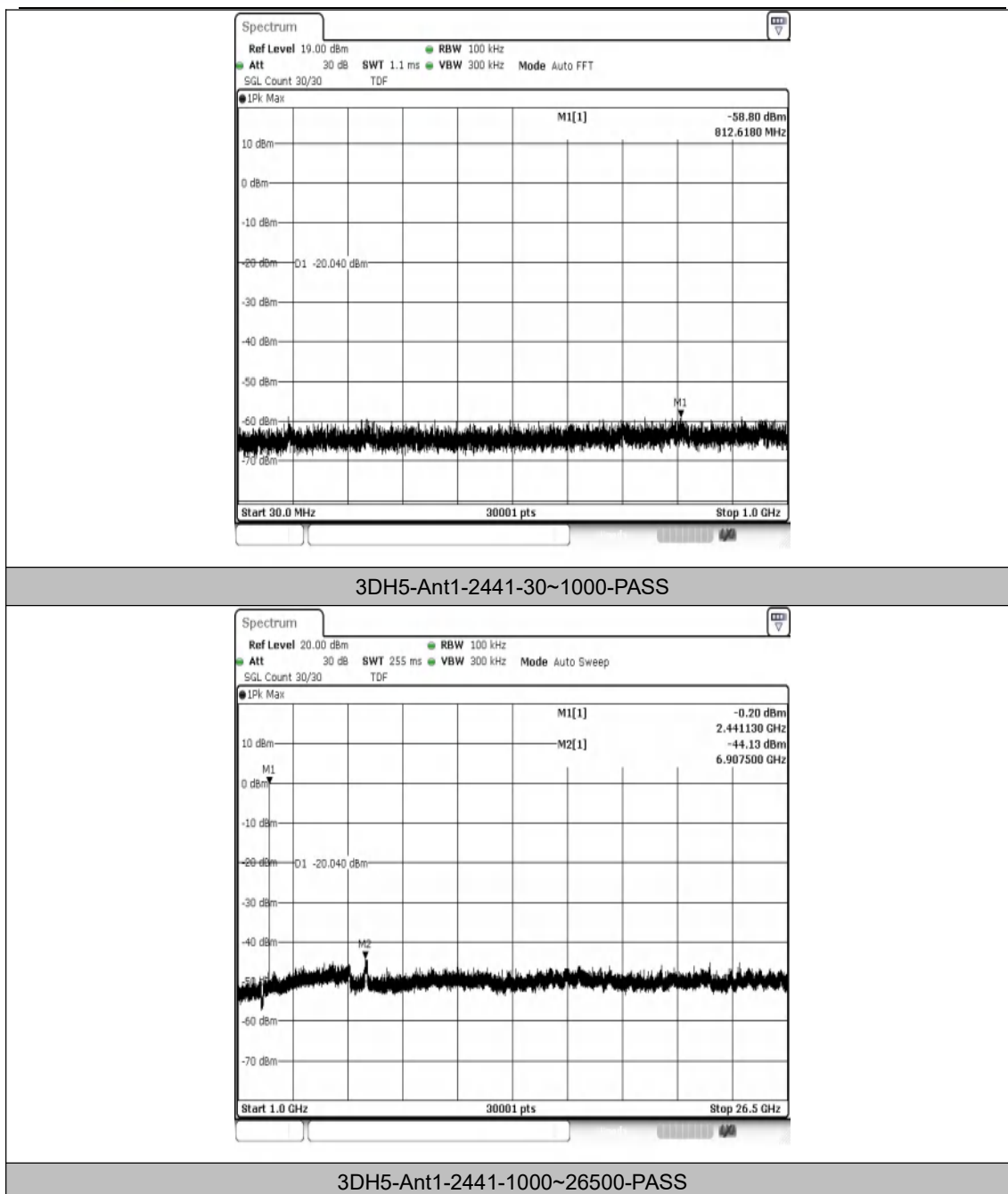


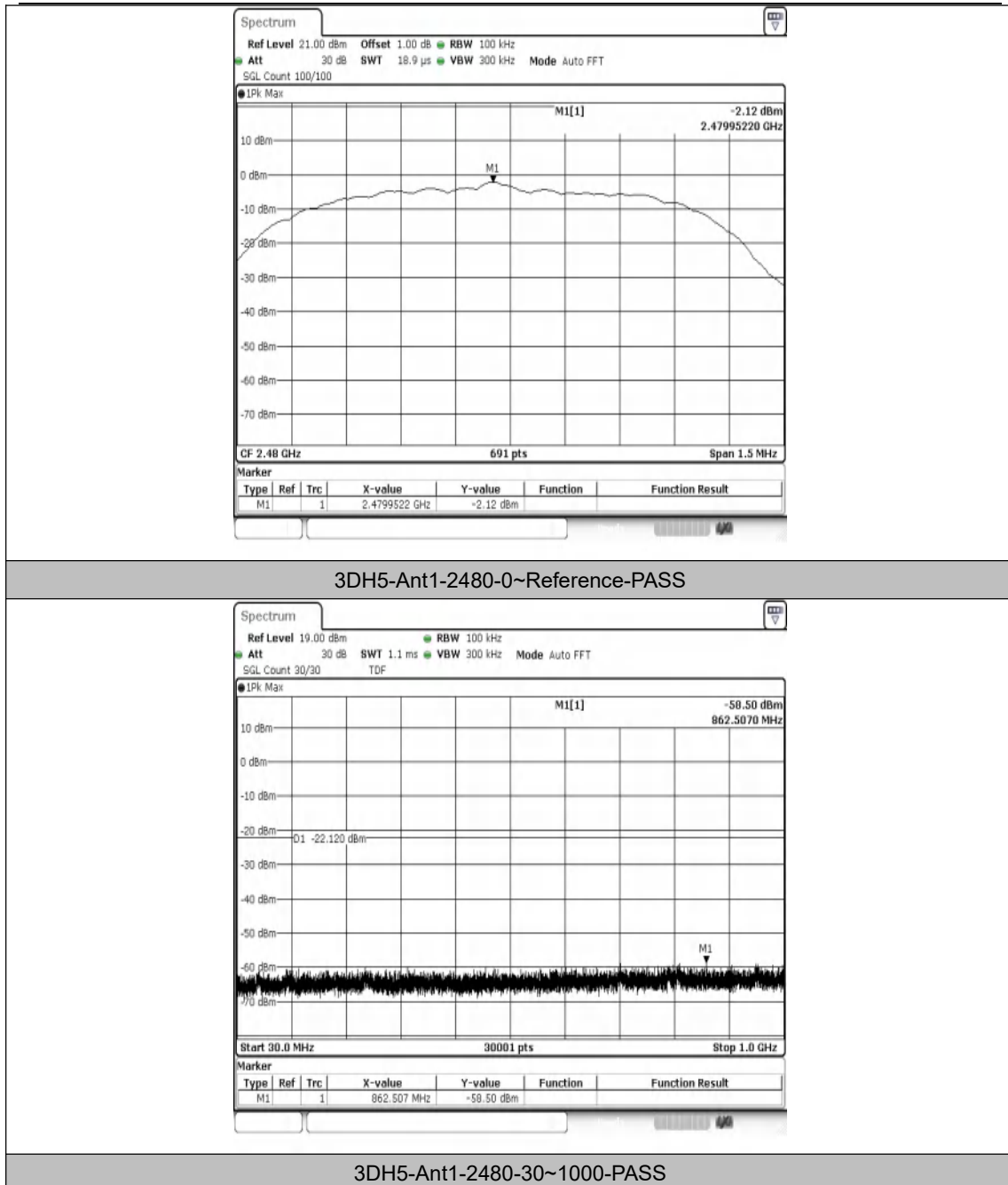
3DH5-Ant1-2402-1000~26500-PASS

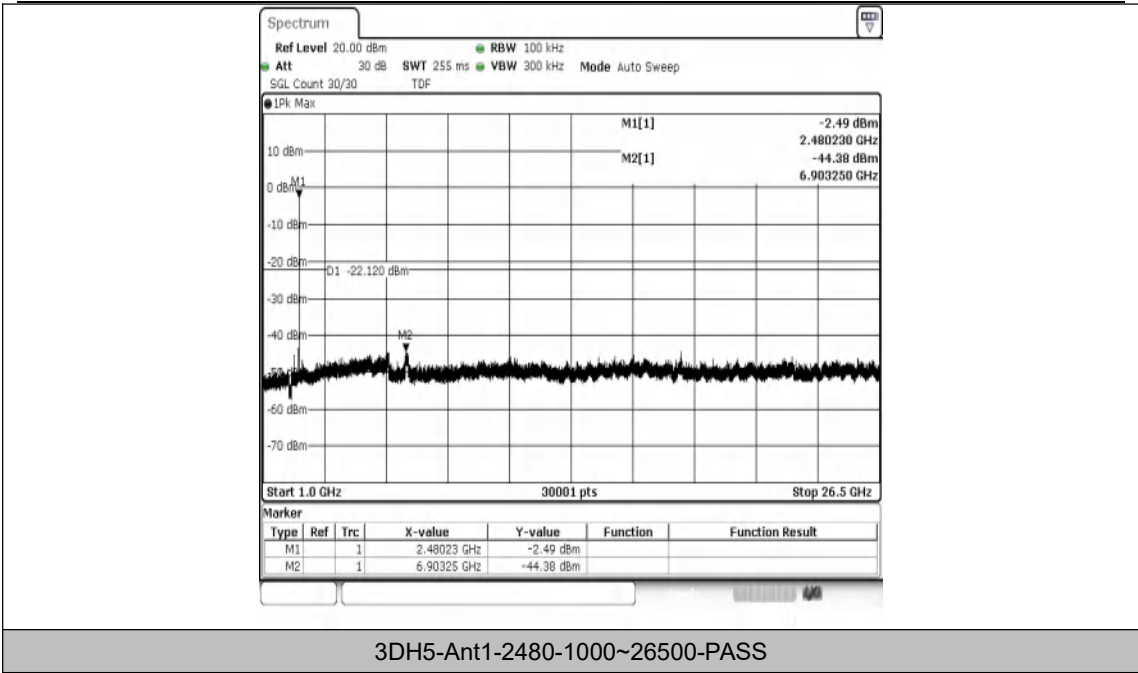


3DH5-Ant1-2441-0~Reference-PASS









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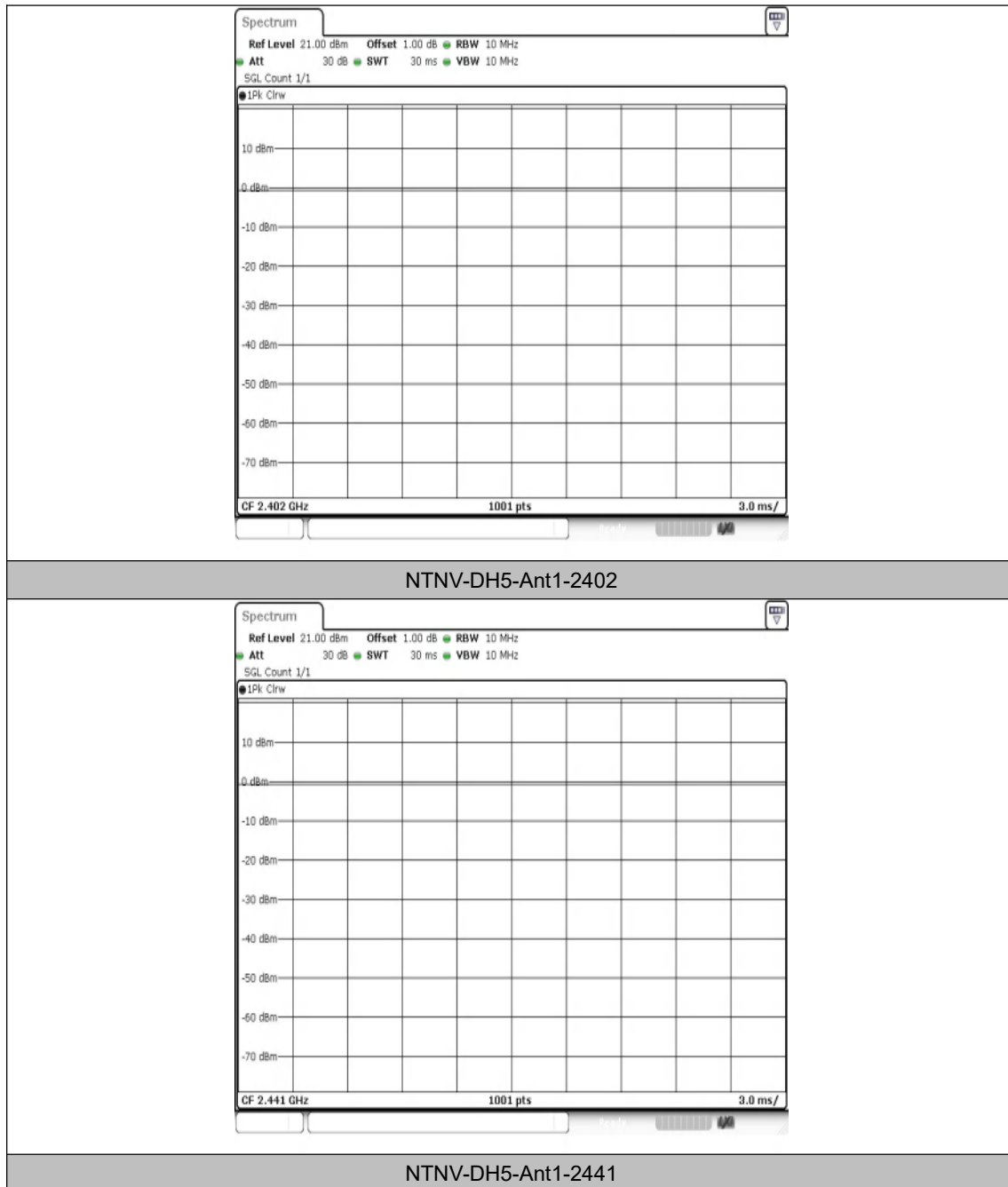
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	30.00	30.00	100.00	0.00
DH5	Ant1	2441	30.00	30.00	100.00	0.00
DH5	Ant1	2480	30.00	30.00	100.00	0.00
2DH5	Ant1	2402	30.00	30.00	100.00	0.00
2DH5	Ant1	2441	30.00	30.00	100.00	0.00
2DH5	Ant1	2480	30.00	30.00	100.00	0.00
3DH5	Ant1	2402	30.00	30.00	100.00	0.00
3DH5	Ant1	2441	30.00	30.00	100.00	0.00
3DH5	Ant1	2480	30.00	30.00	100.00	0.00



Test Graphs

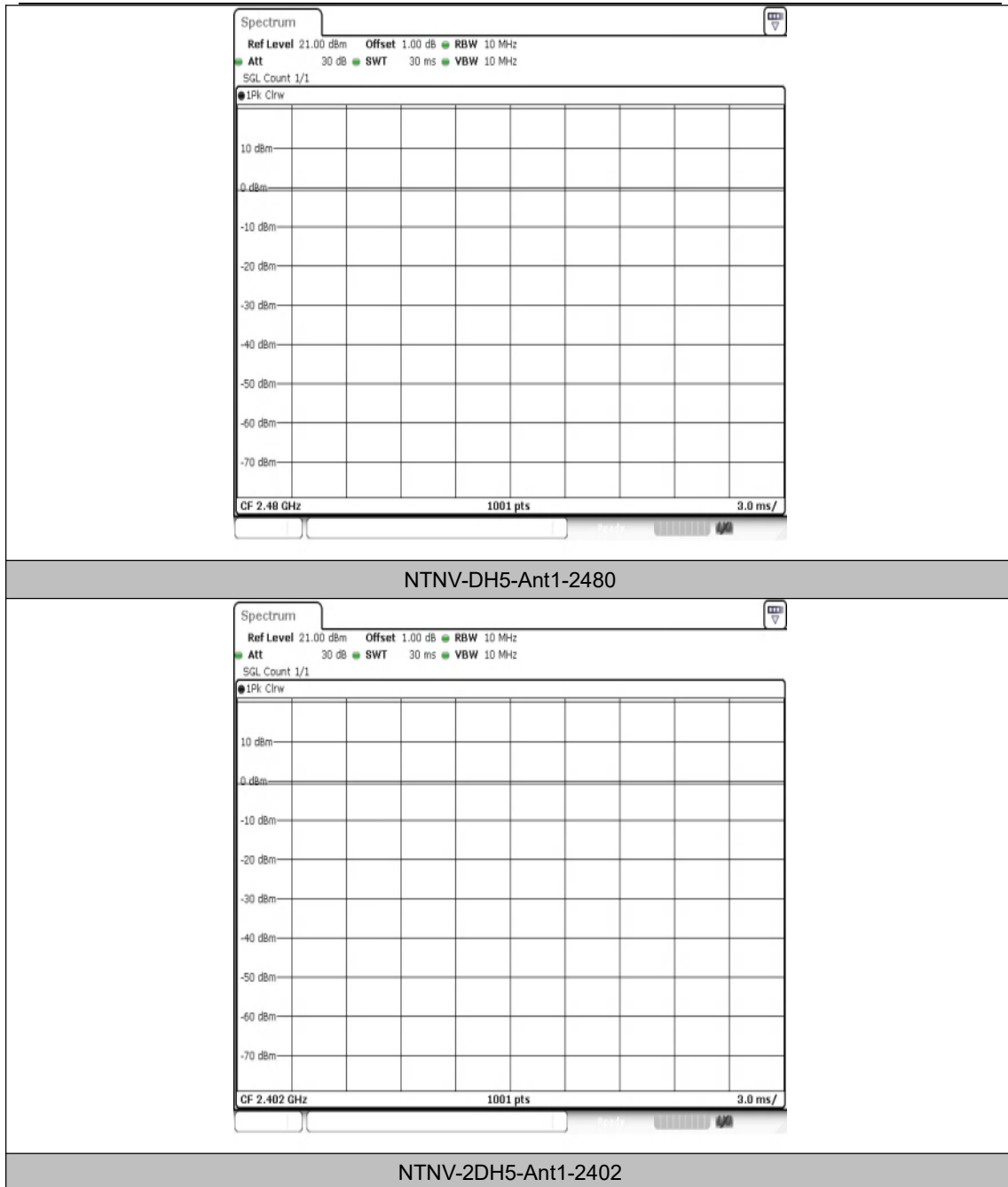


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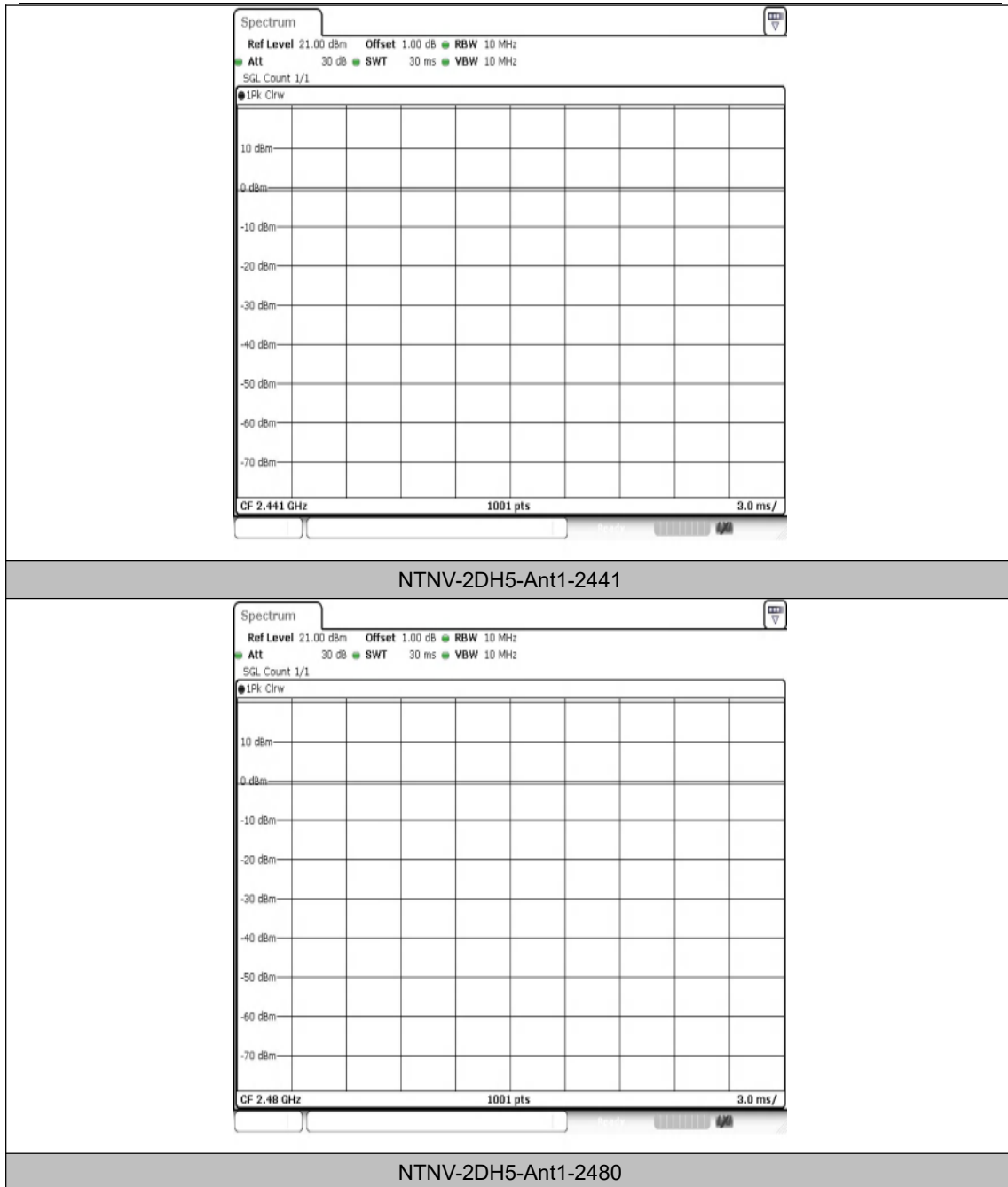
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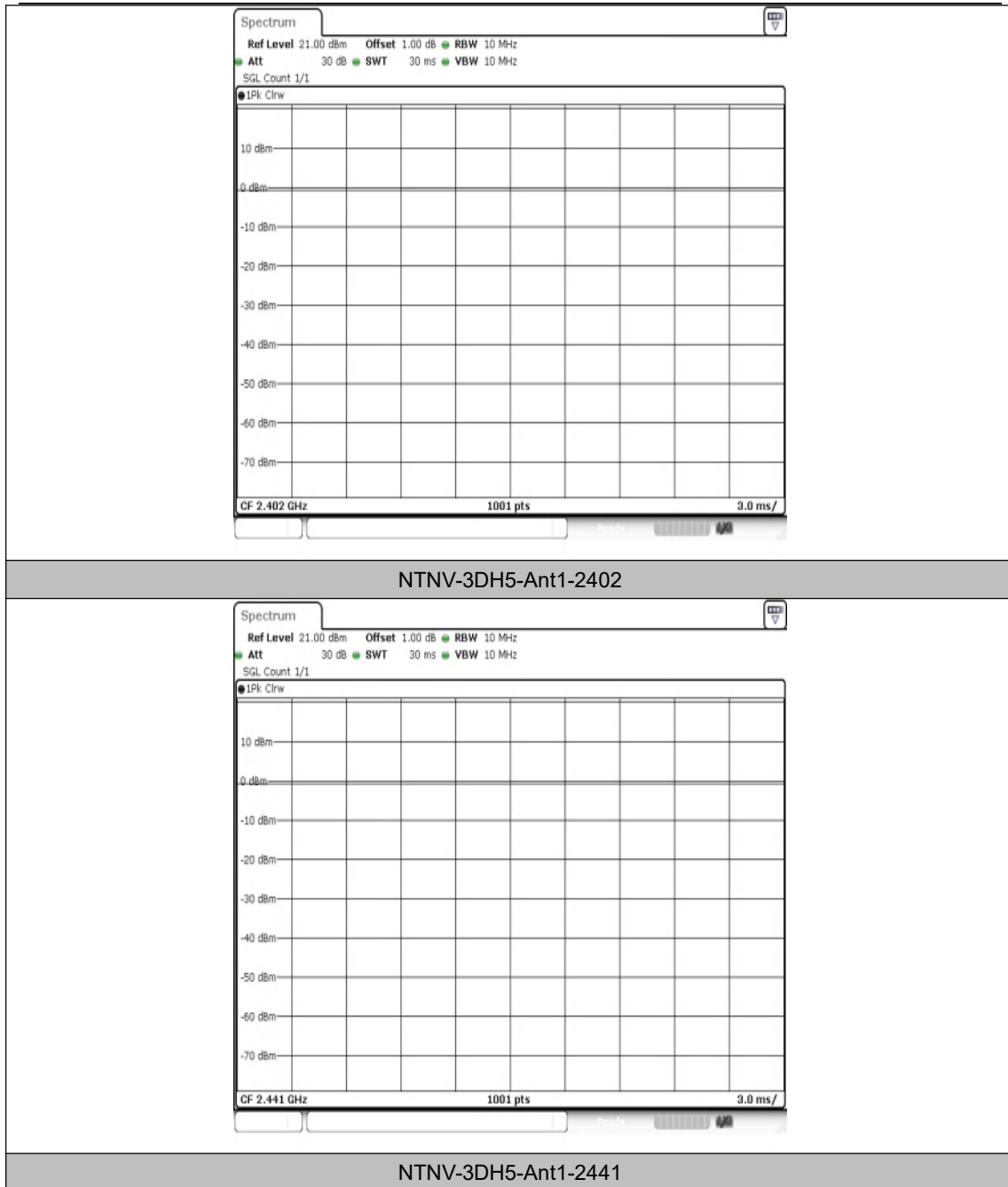
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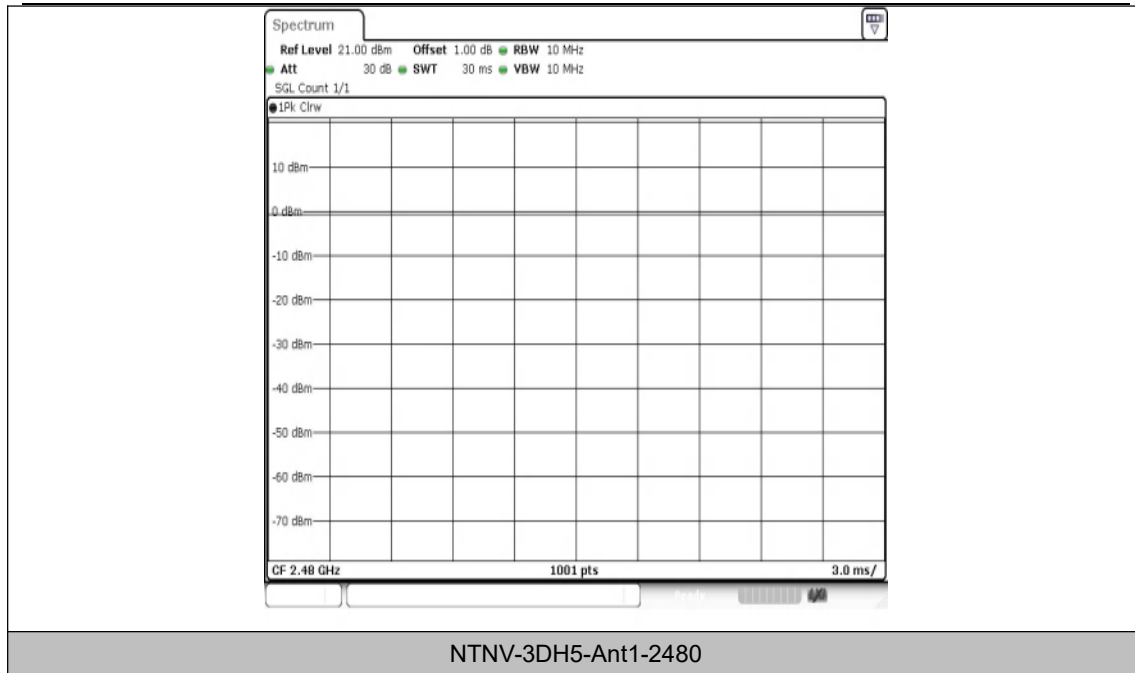
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