

Appendix Test Data

Report No.:	1819C50052812501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-14	Finish Test Date:	2025-5-16
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	50%
Pressure:	101kPa		

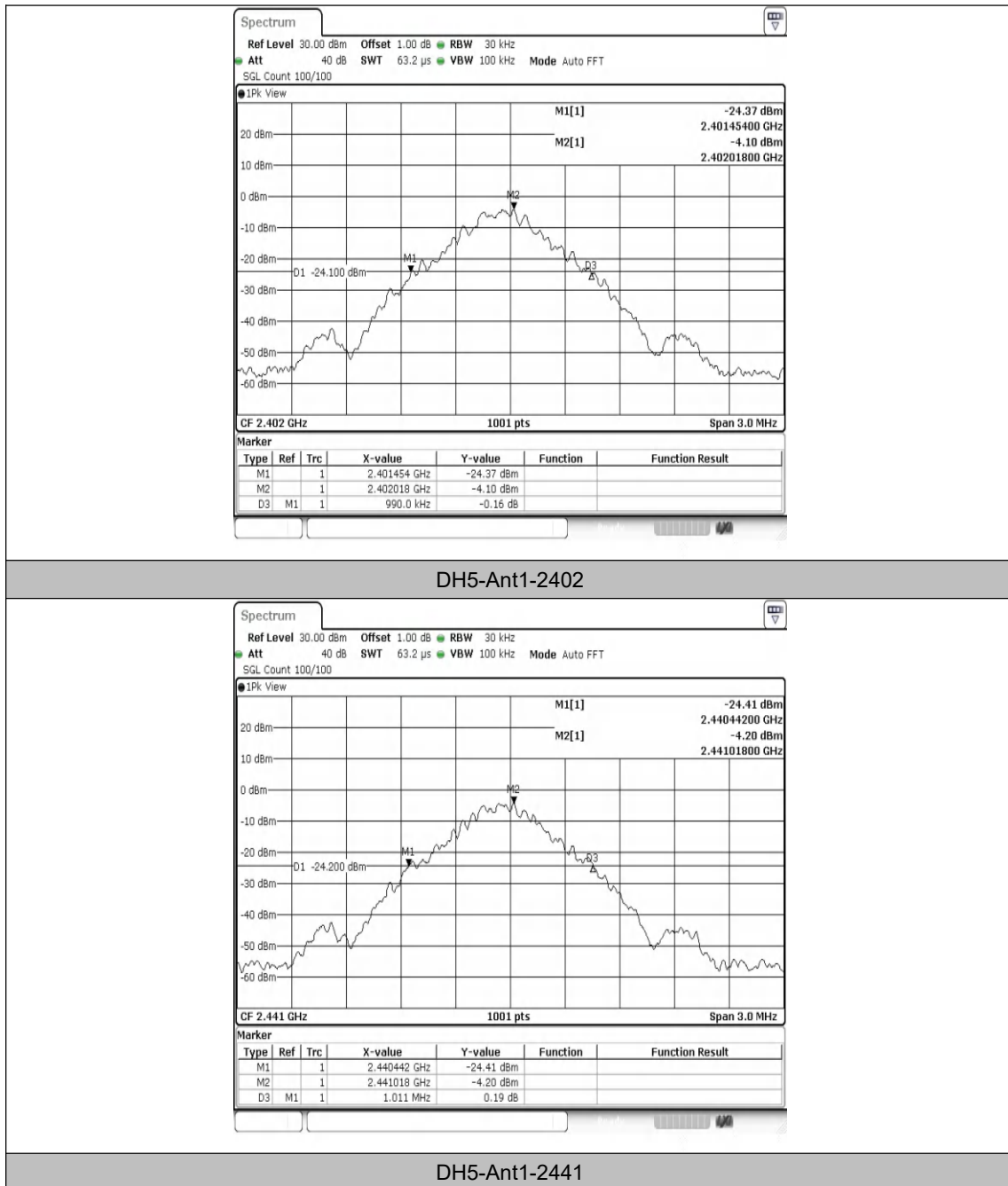
Appendix A: 20dB Bandwidth

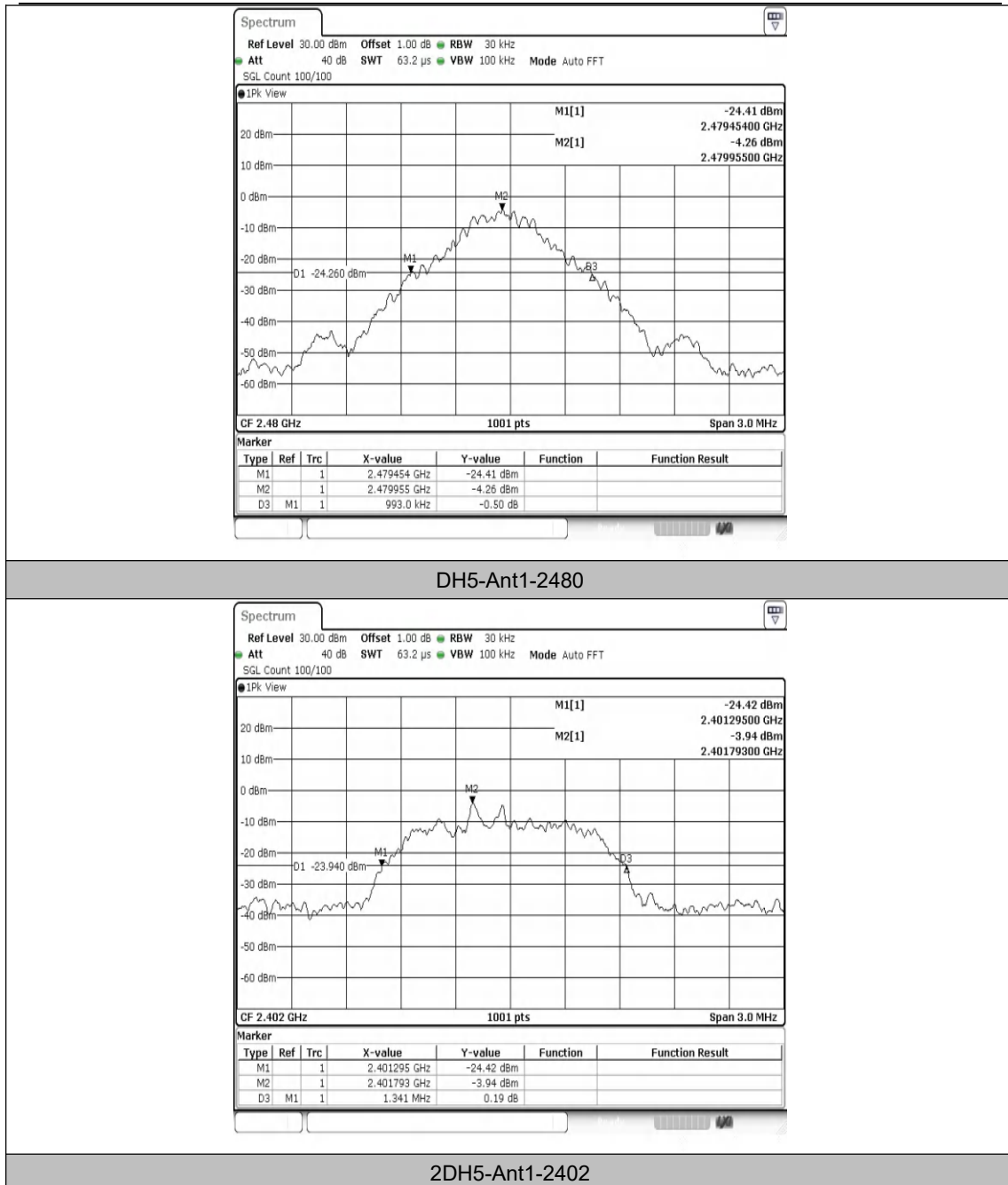
Test Result

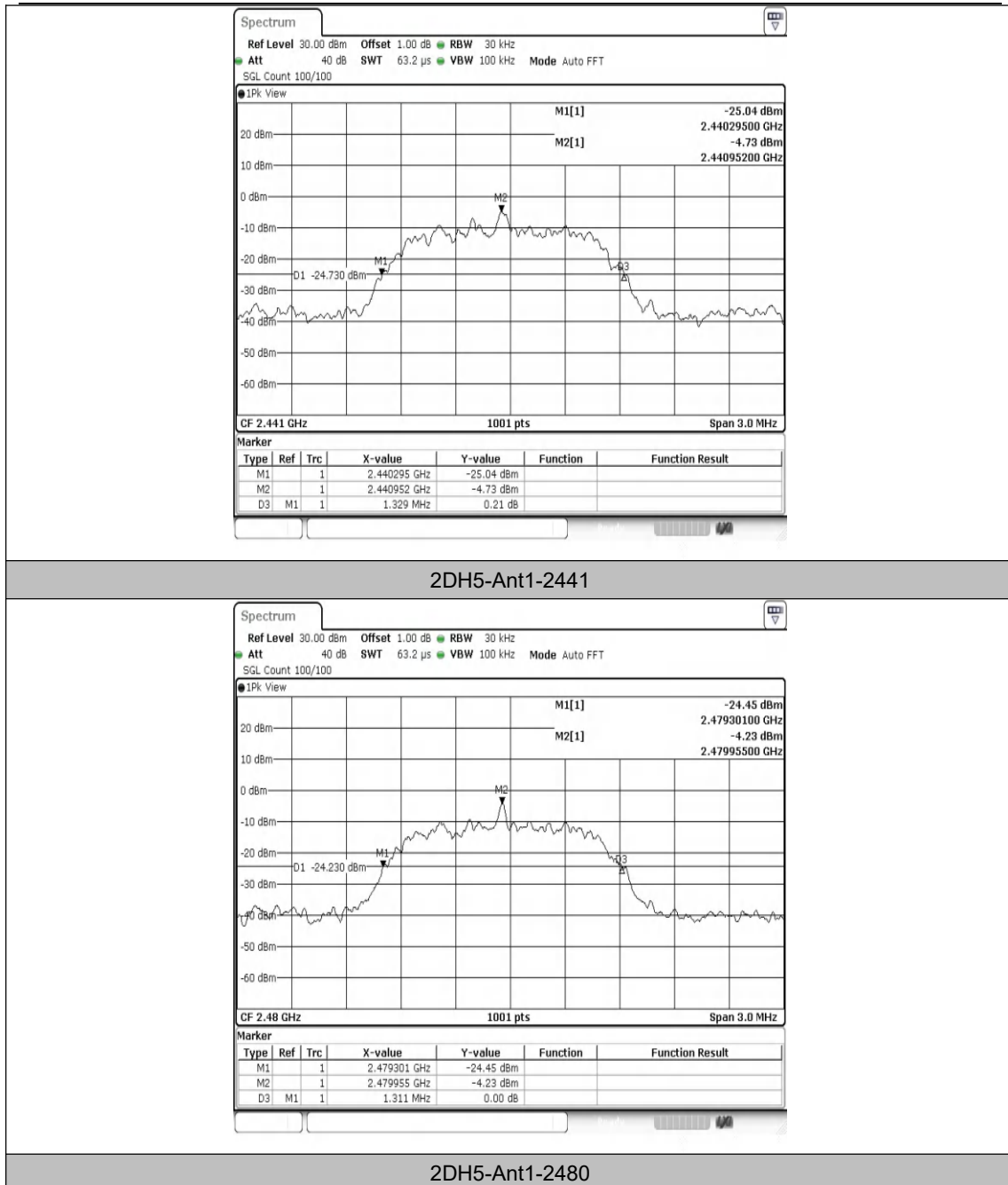
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.99	2401.45	2402.44	---	---
DH5	Ant1	2441	1.01	2440.44	2441.45	---	---
DH5	Ant1	2480	0.99	2479.45	2480.45	---	---
2DH5	Ant1	2402	1.34	2401.30	2402.64	---	---
2DH5	Ant1	2441	1.33	2440.30	2441.62	---	---
2DH5	Ant1	2480	1.31	2479.30	2480.61	---	---
3DH5	Ant1	2402	1.32	2401.29	2402.61	---	---
3DH5	Ant1	2441	1.30	2440.30	2441.59	---	---
3DH5	Ant1	2480	1.31	2479.31	2480.61	---	---



Test Graphs



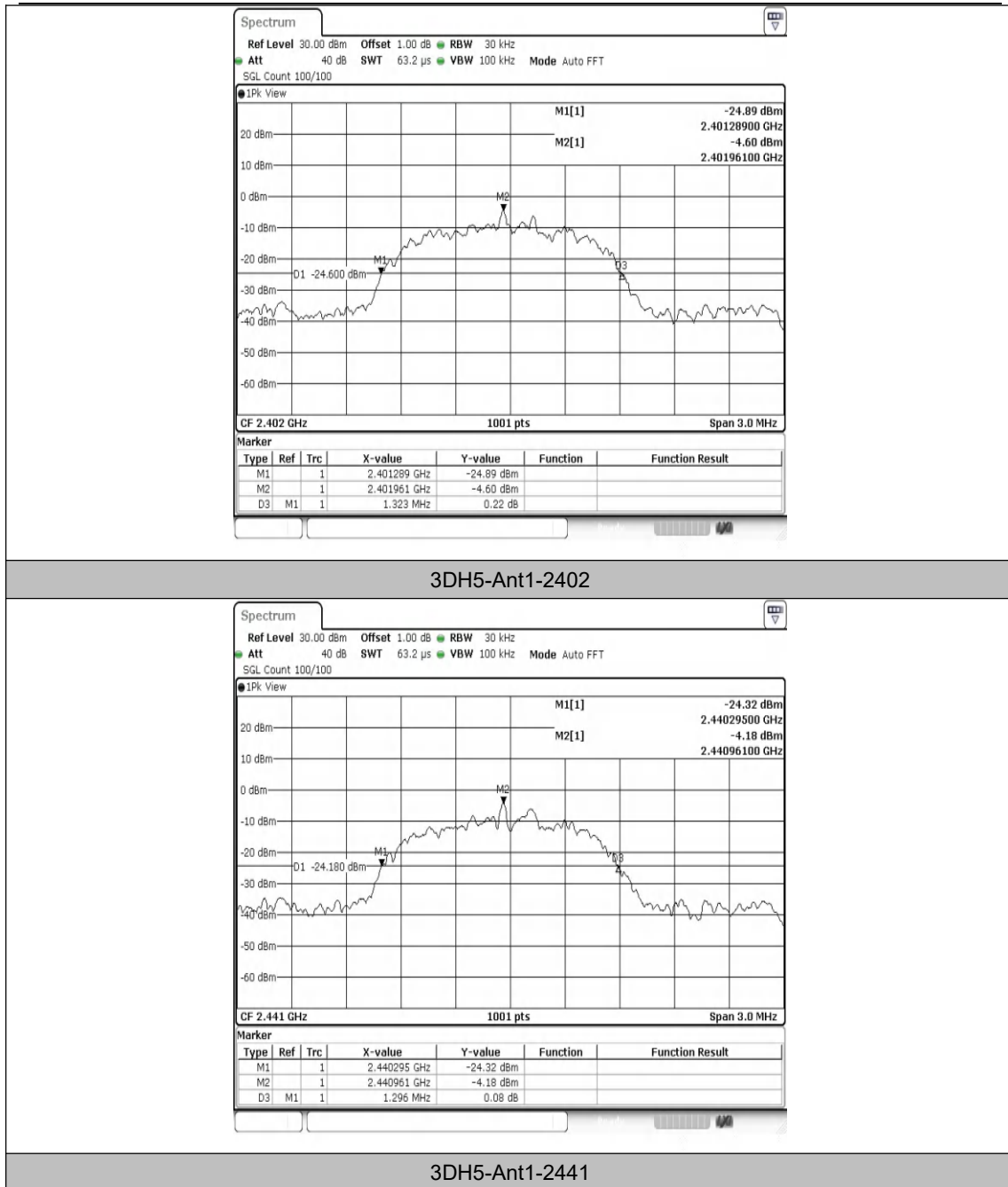


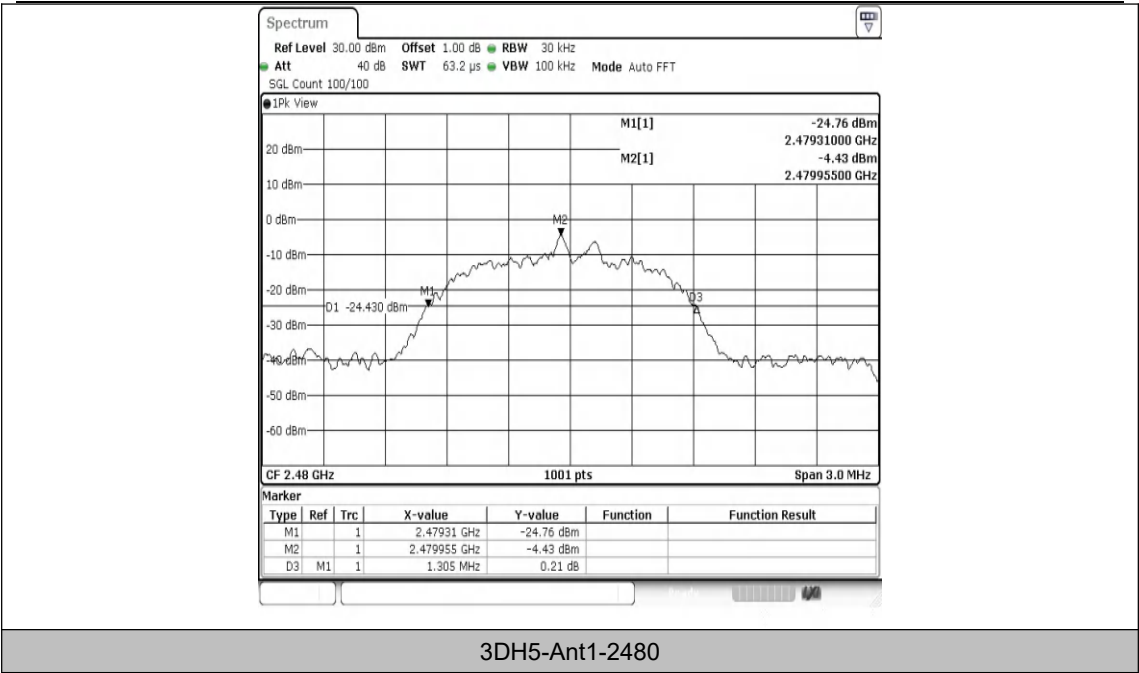


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Hotline
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www.anbotek.com





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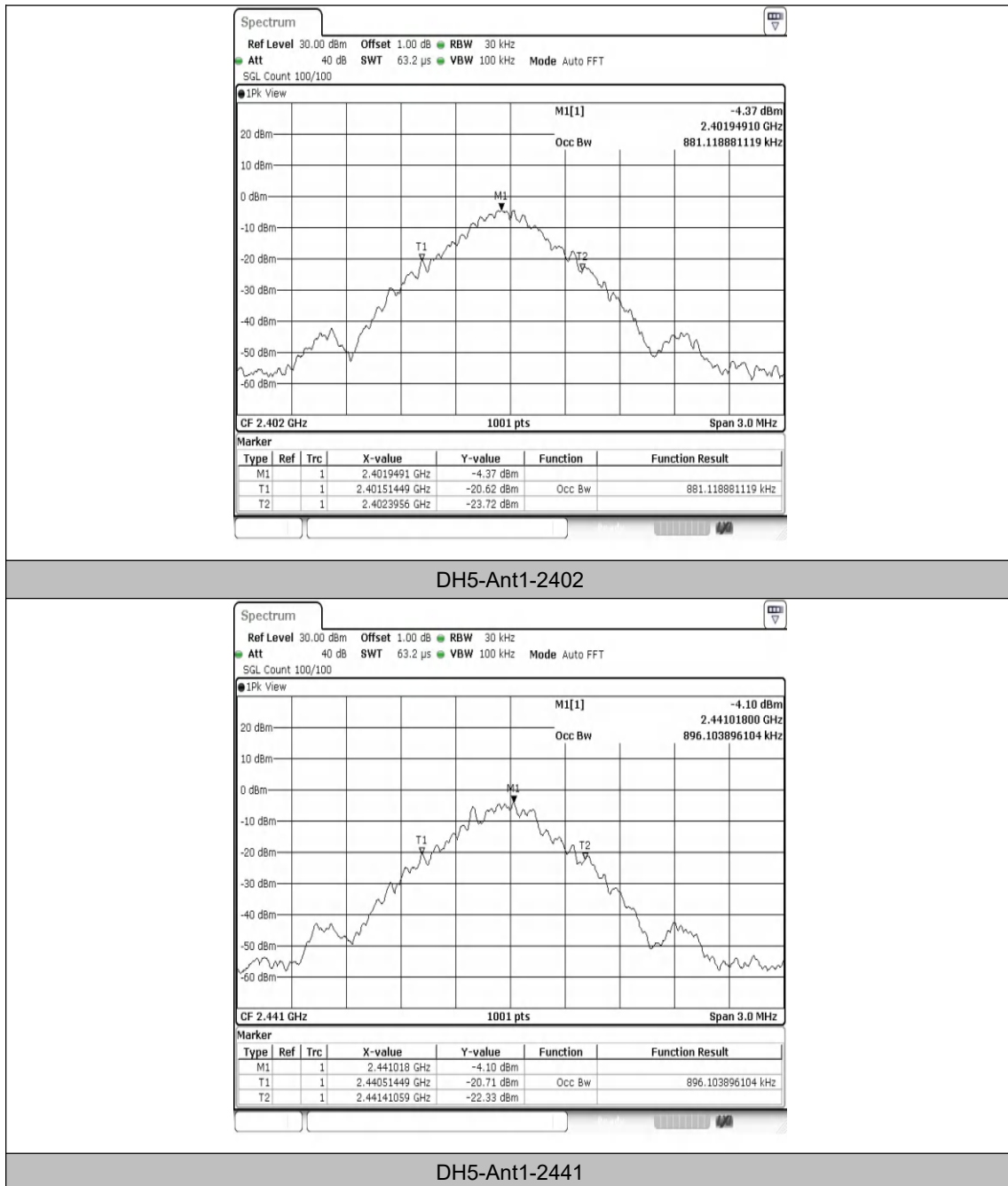
Appendix B: 99% Occupied Bandwidth

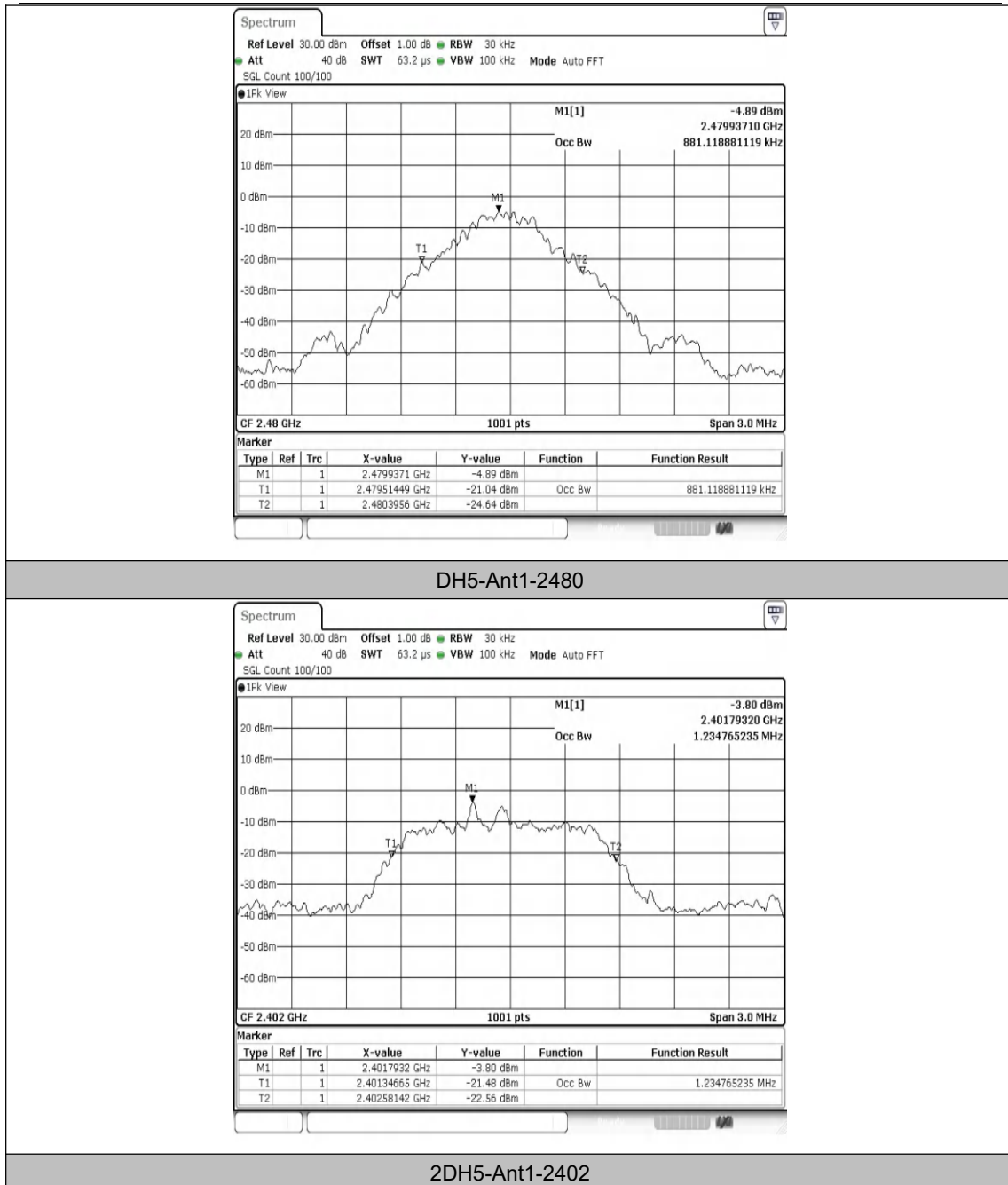
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88112	2401.5145	2402.3956	---	---
DH5	Ant1	2441	0.89610	2440.5145	2441.4106	---	---
DH5	Ant1	2480	0.88112	2479.5145	2480.3956	---	---
2DH5	Ant1	2402	1.2348	2401.3467	2402.5814	---	---
2DH5	Ant1	2441	1.2438	2440.3437	2441.5874	---	---
2DH5	Ant1	2480	1.2318	2479.3467	2480.5784	---	---
3DH5	Ant1	2402	1.2378	2401.3347	2402.5724	---	---
3DH5	Ant1	2441	1.2408	2440.3317	2441.5724	---	---
3DH5	Ant1	2480	1.2078	2479.3526	2480.5604	---	---



Test Graphs

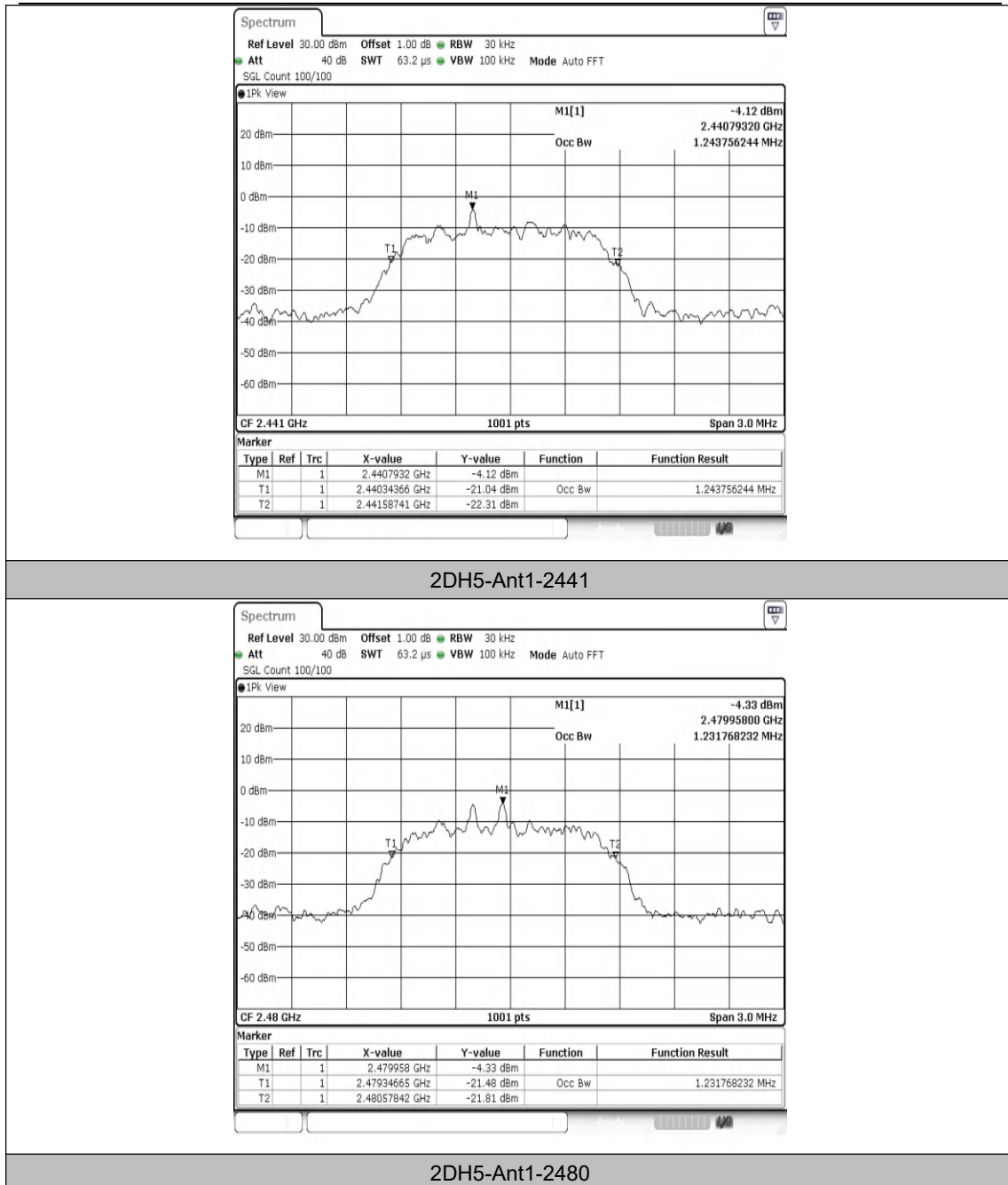


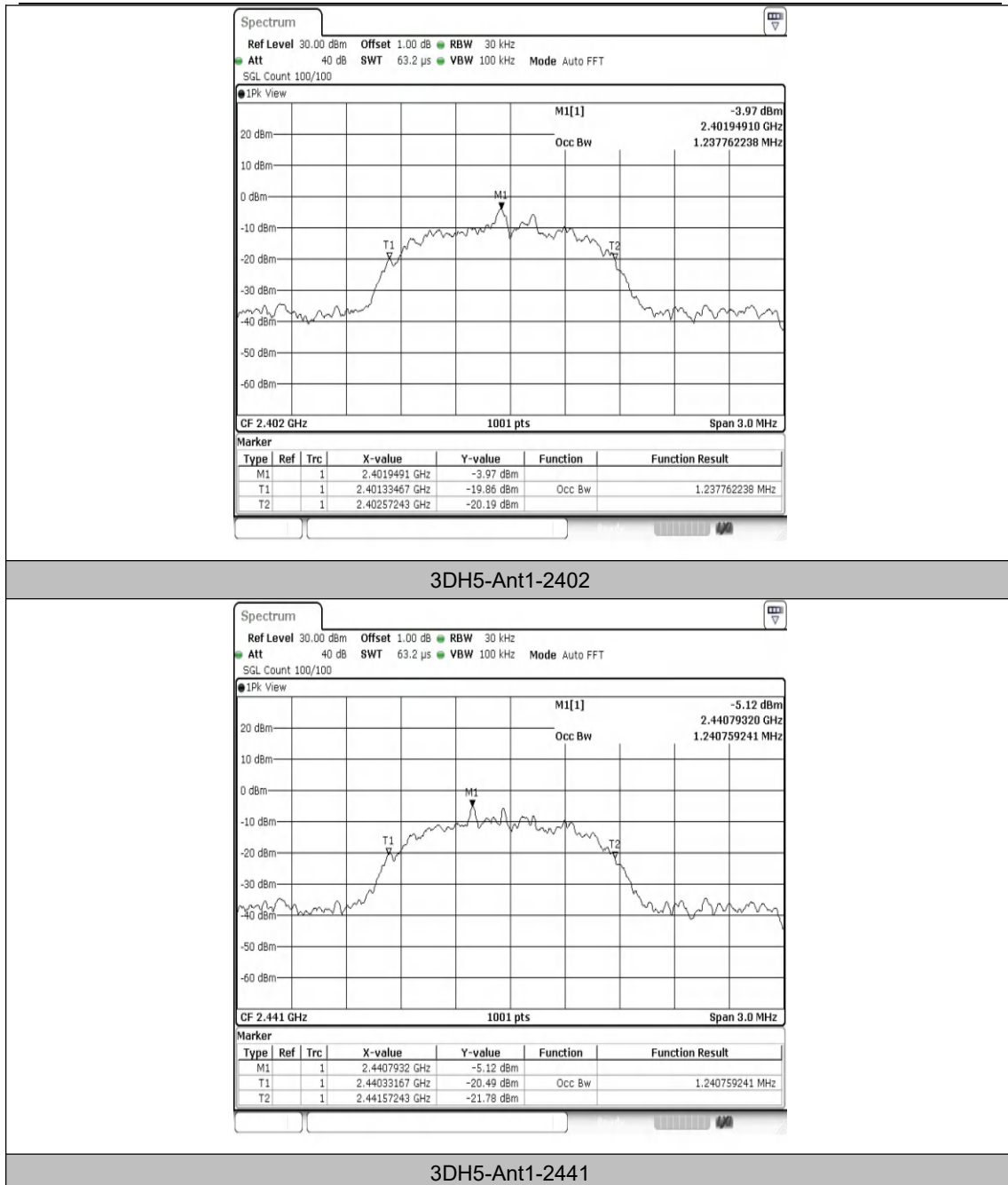


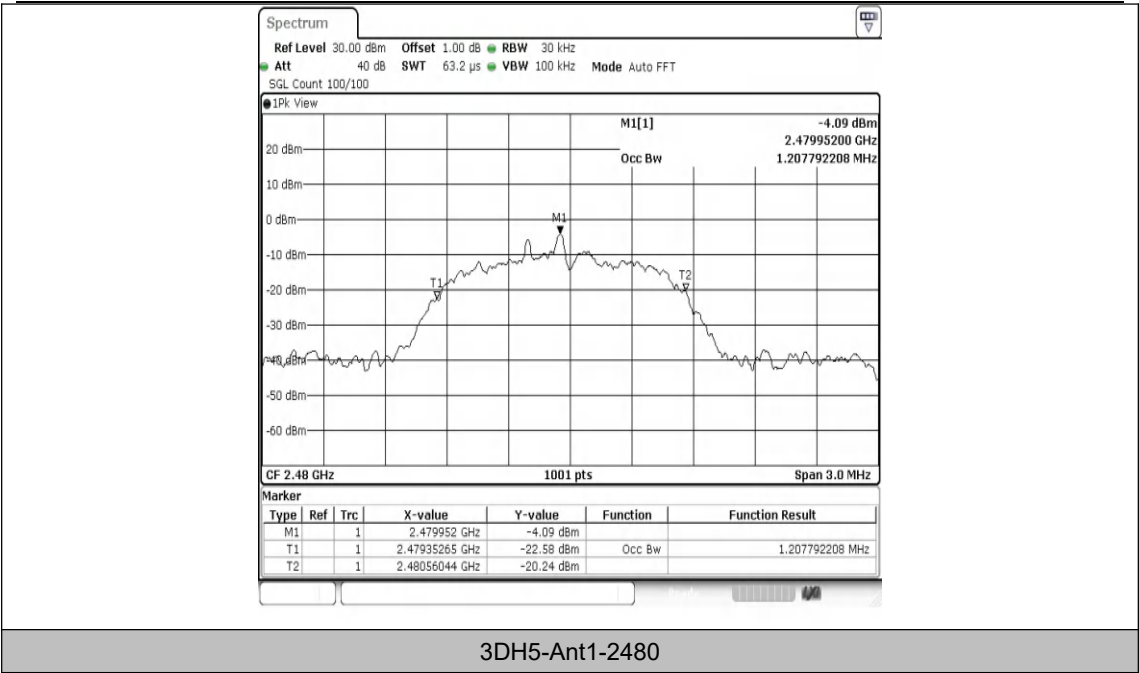
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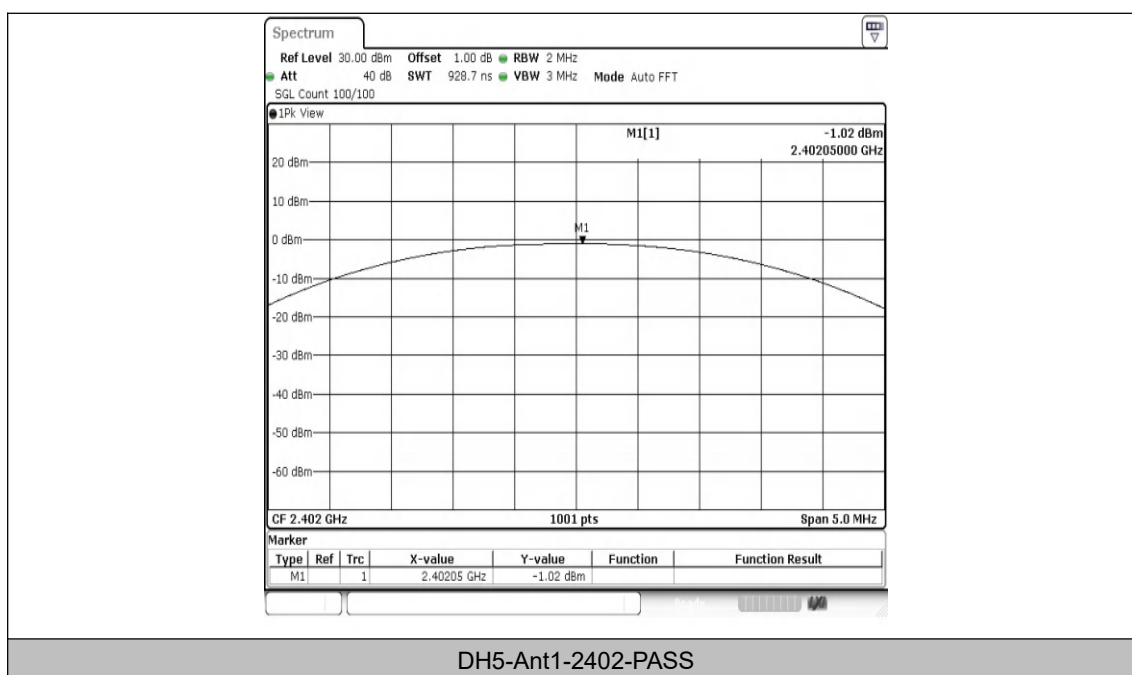
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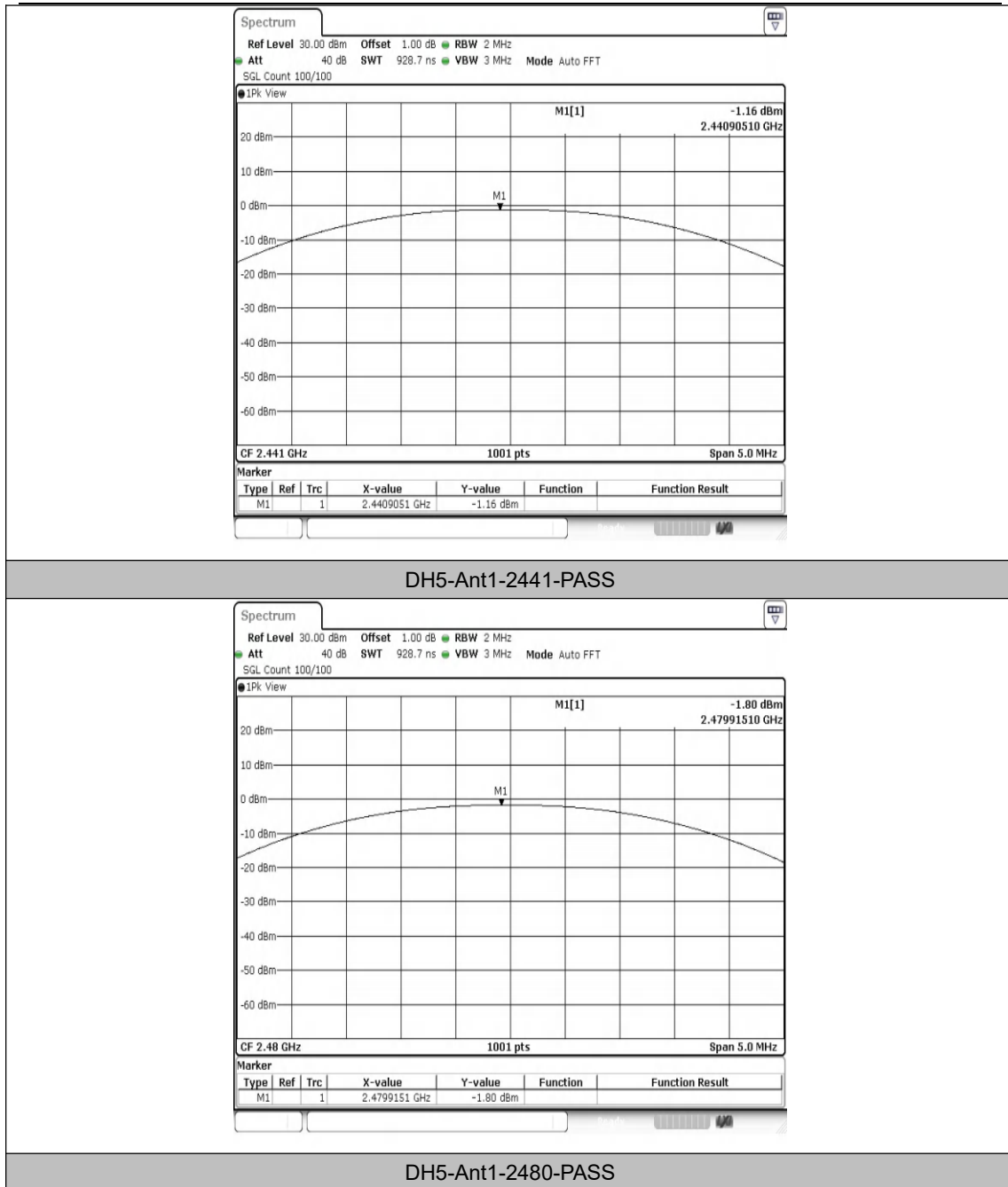
Appendix C: Maximum Conducted Output Power

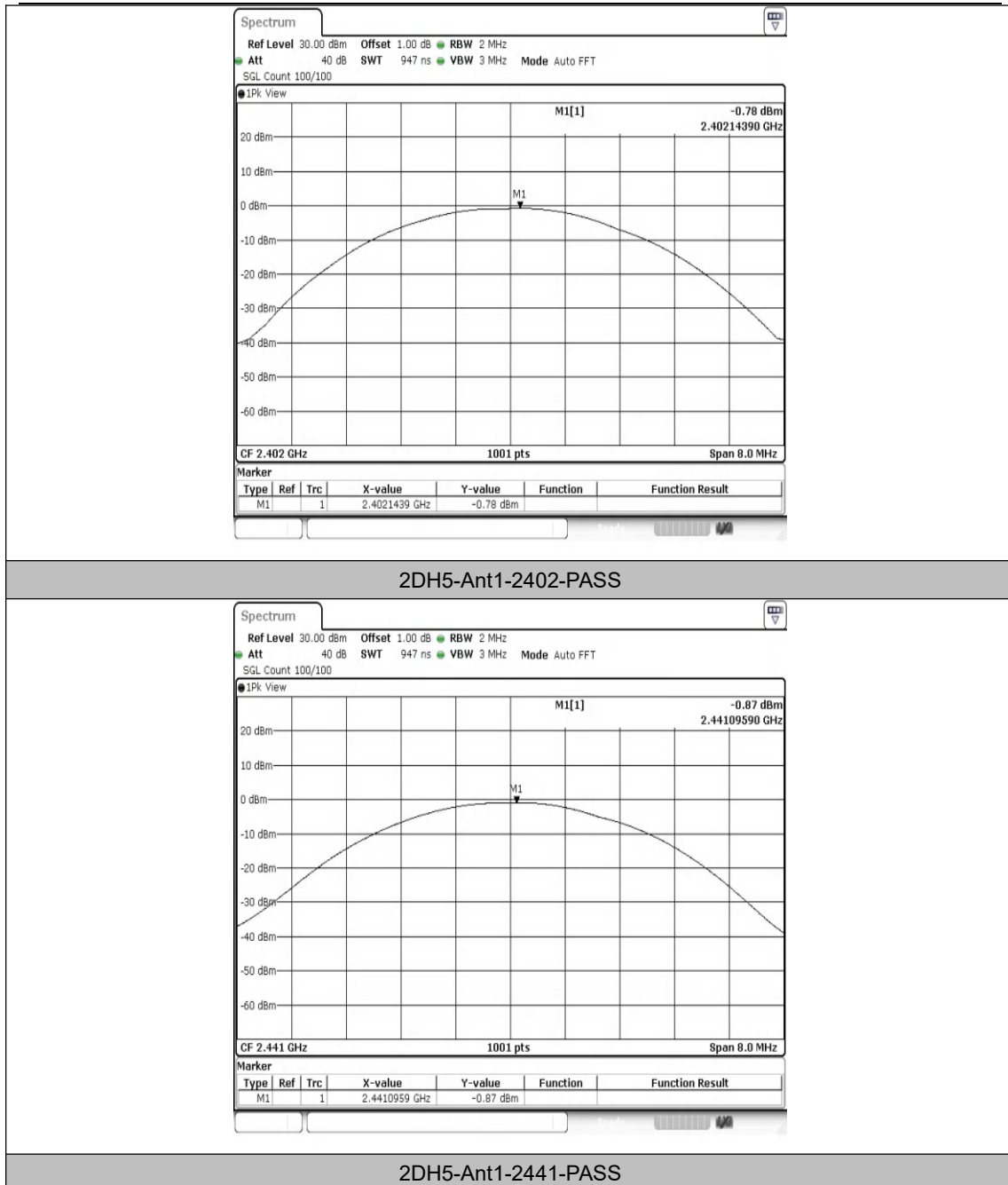
Test Result Peak

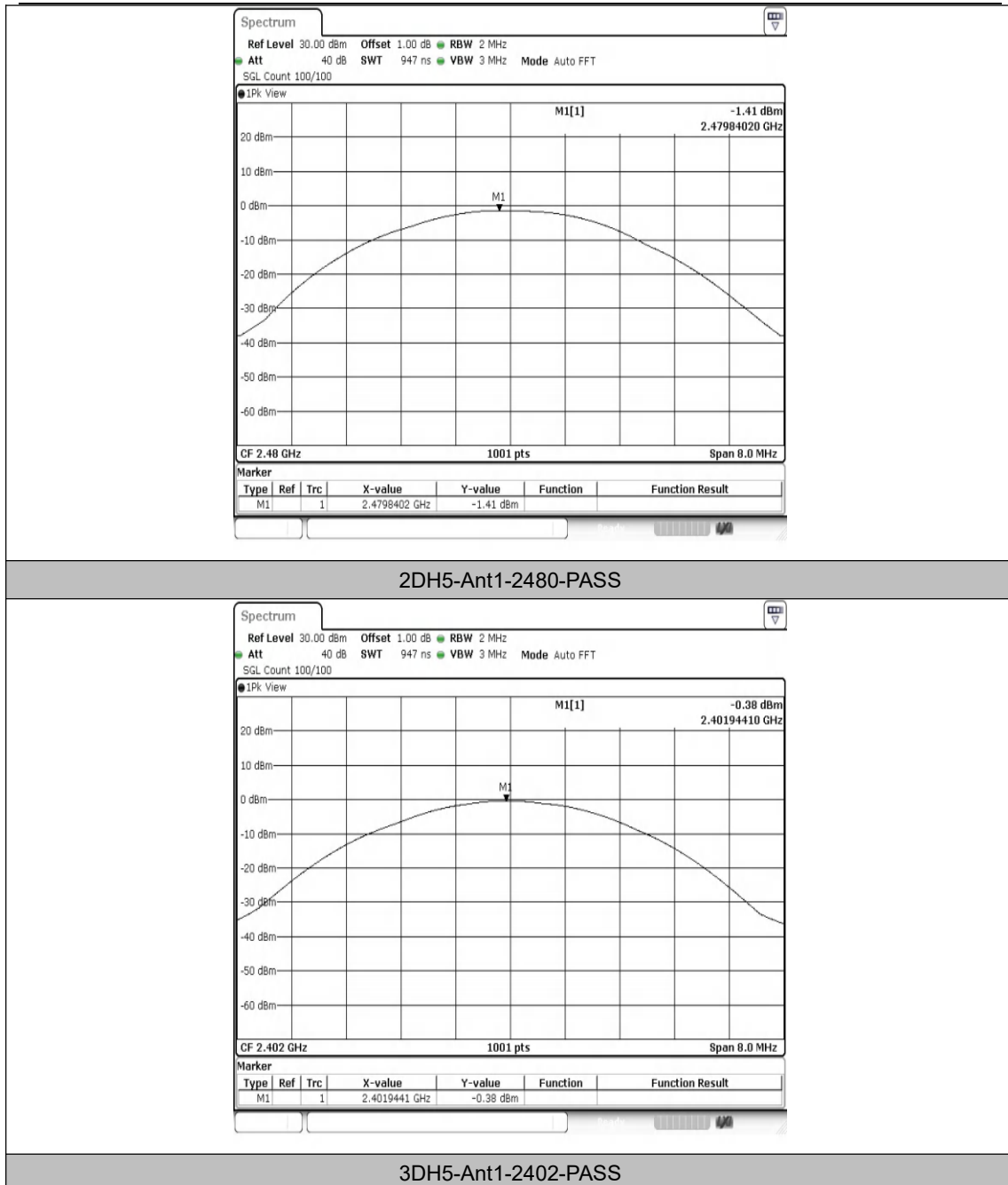
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.02	≤20.97	PASS
DH5	Ant1	2441	-1.16	≤20.97	PASS
DH5	Ant1	2480	-1.80	≤20.97	PASS
2DH5	Ant1	2402	-0.78	≤20.97	PASS
2DH5	Ant1	2441	-0.87	≤20.97	PASS
2DH5	Ant1	2480	-1.41	≤20.97	PASS
3DH5	Ant1	2402	-0.38	≤20.97	PASS
3DH5	Ant1	2441	-0.61	≤20.97	PASS
3DH5	Ant1	2480	-1.28	≤20.97	PASS

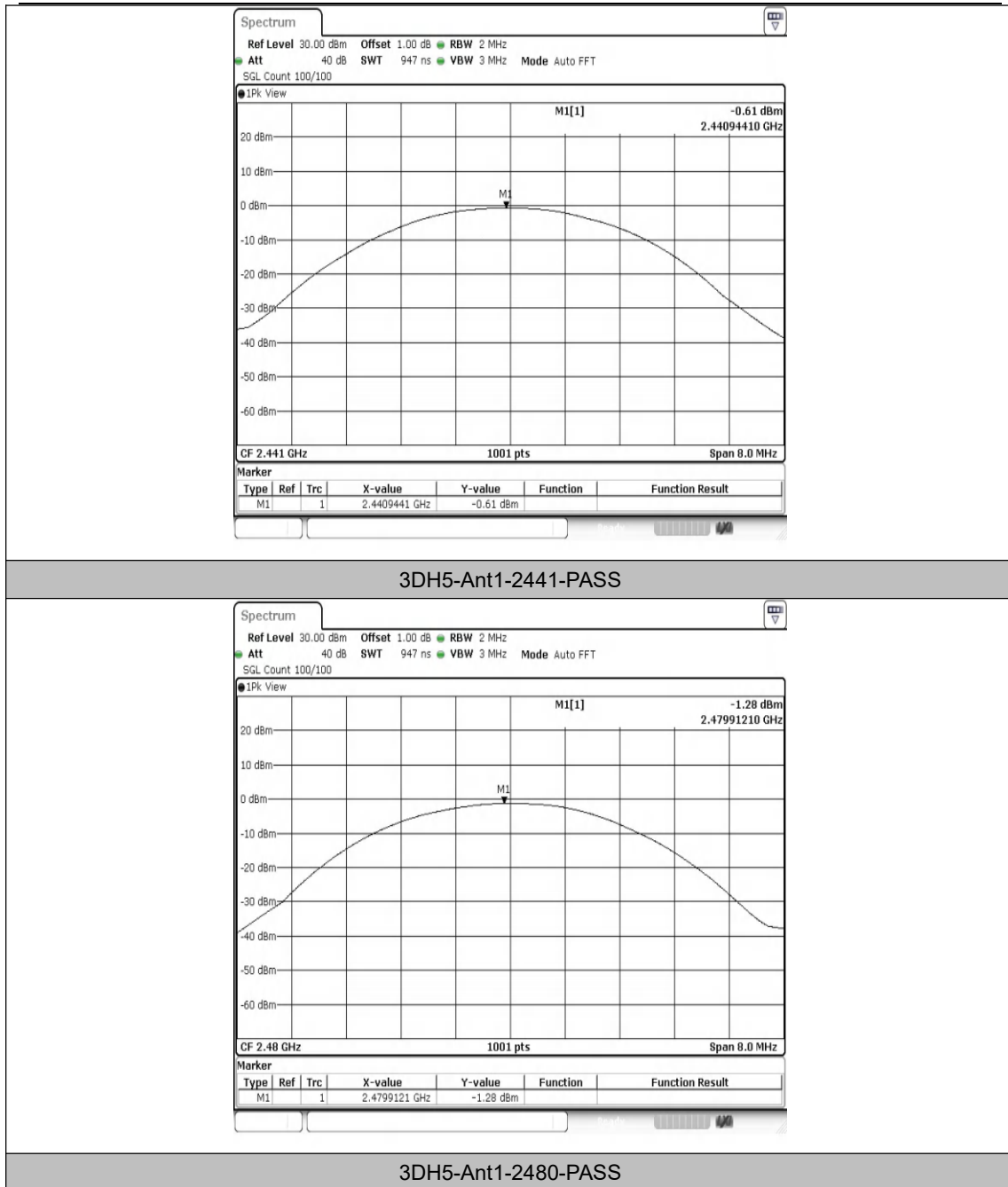
Test Graphs











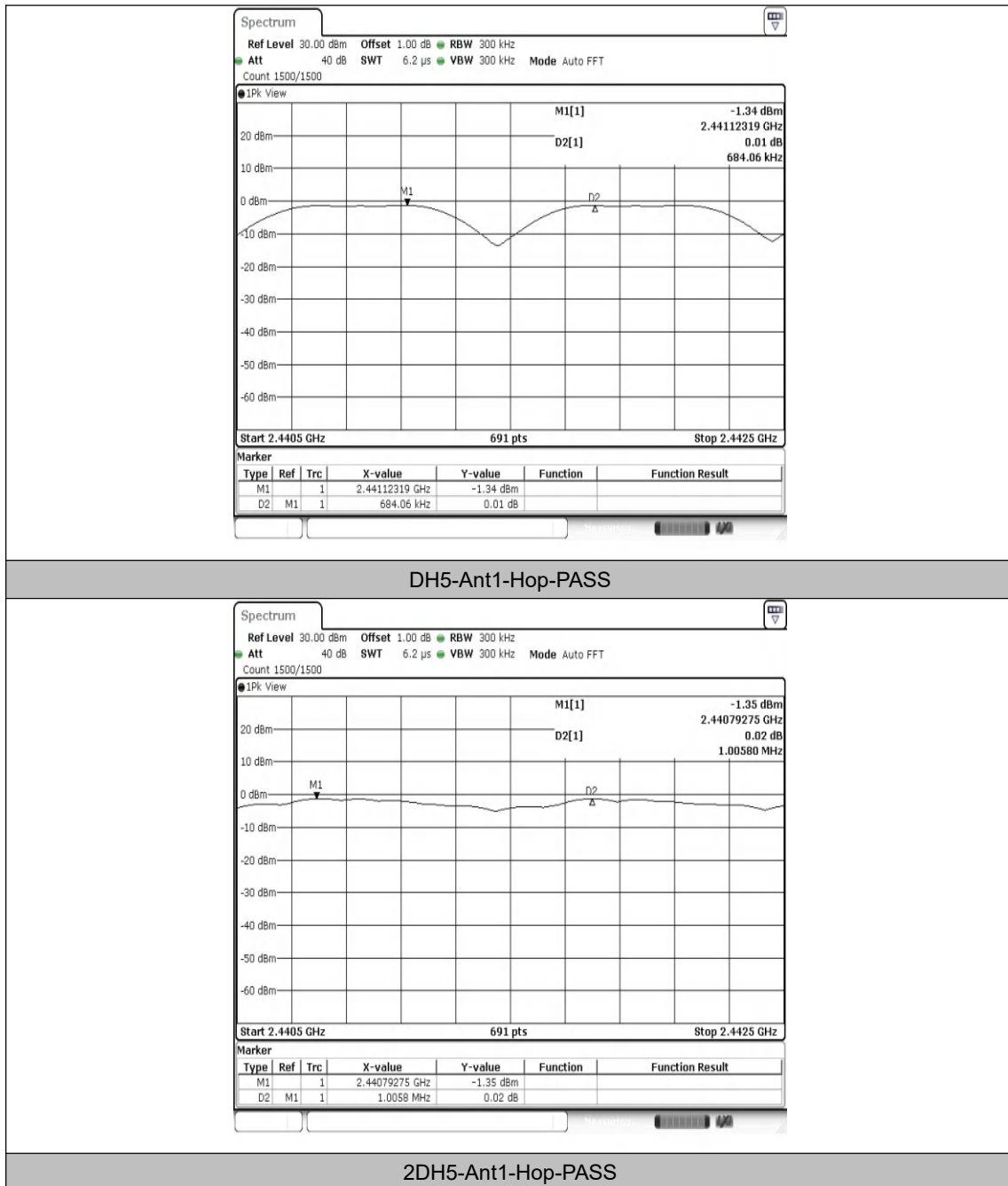
Appendix D: Carrier frequency separation

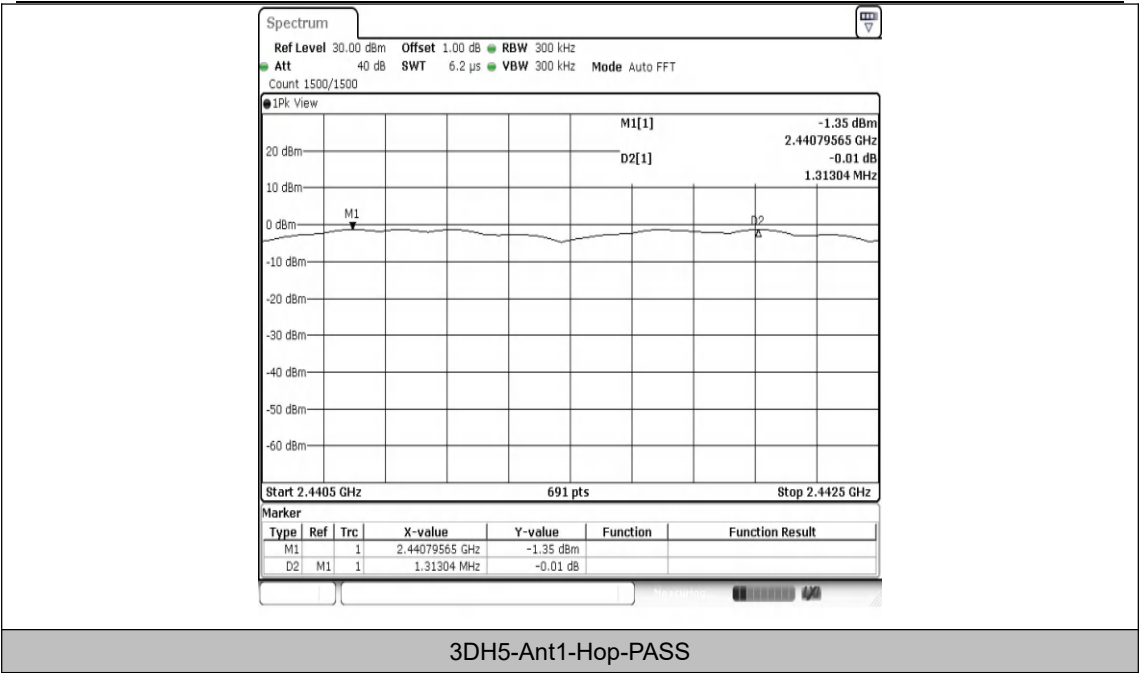
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥ 0.673	PASS
2DH5	Ant1	Hop	1.006	≥ 0.893	PASS
3DH5	Ant1	Hop	1.313	≥ 0.880	PASS



Test Graphs





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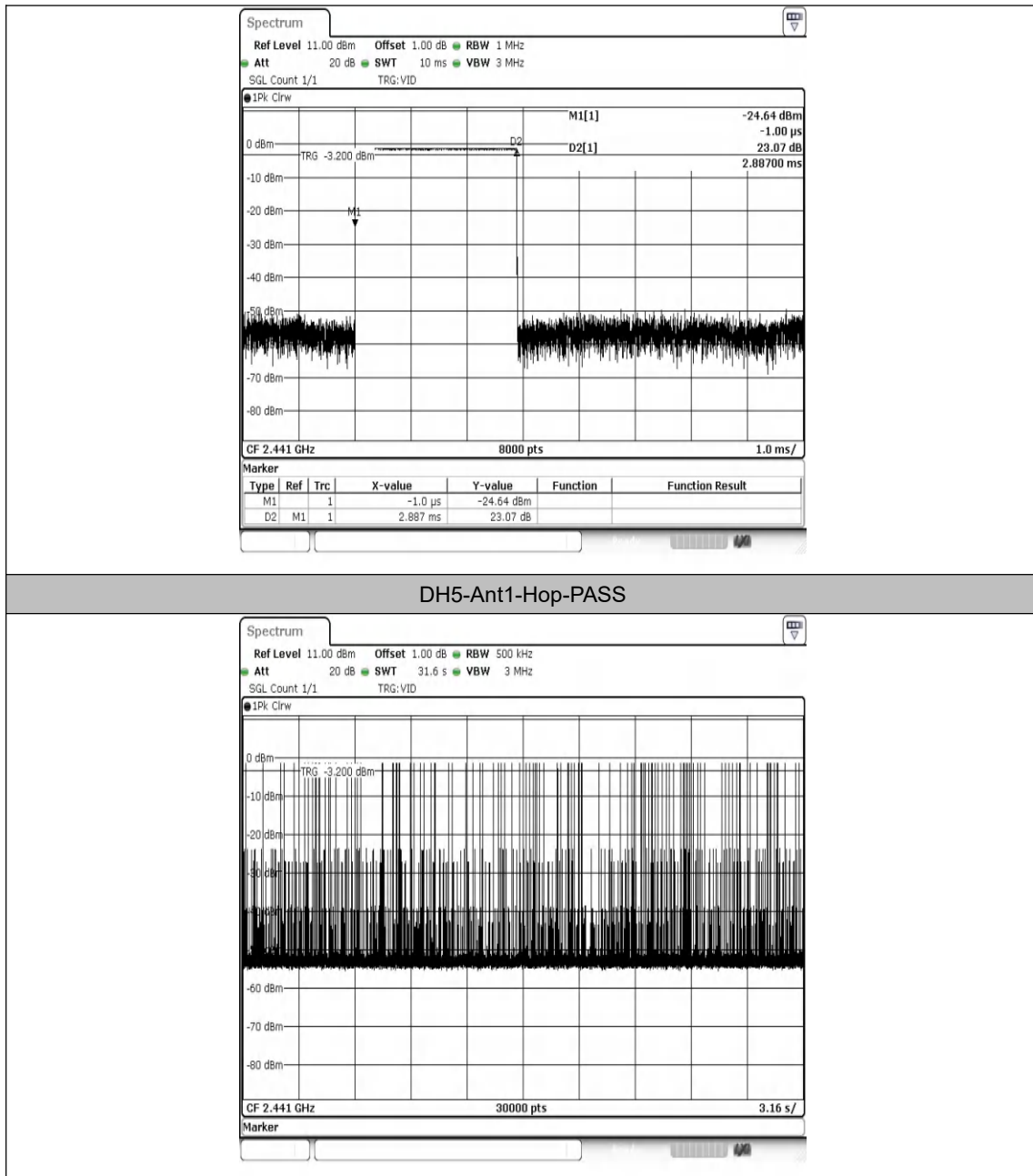
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	113	0.326	≤0.4	PASS
2DH5	Ant1	Hop	2.892	114	0.33	≤0.4	PASS
3DH5	Ant1	Hop	2.893	98	0.284	≤0.4	PASS



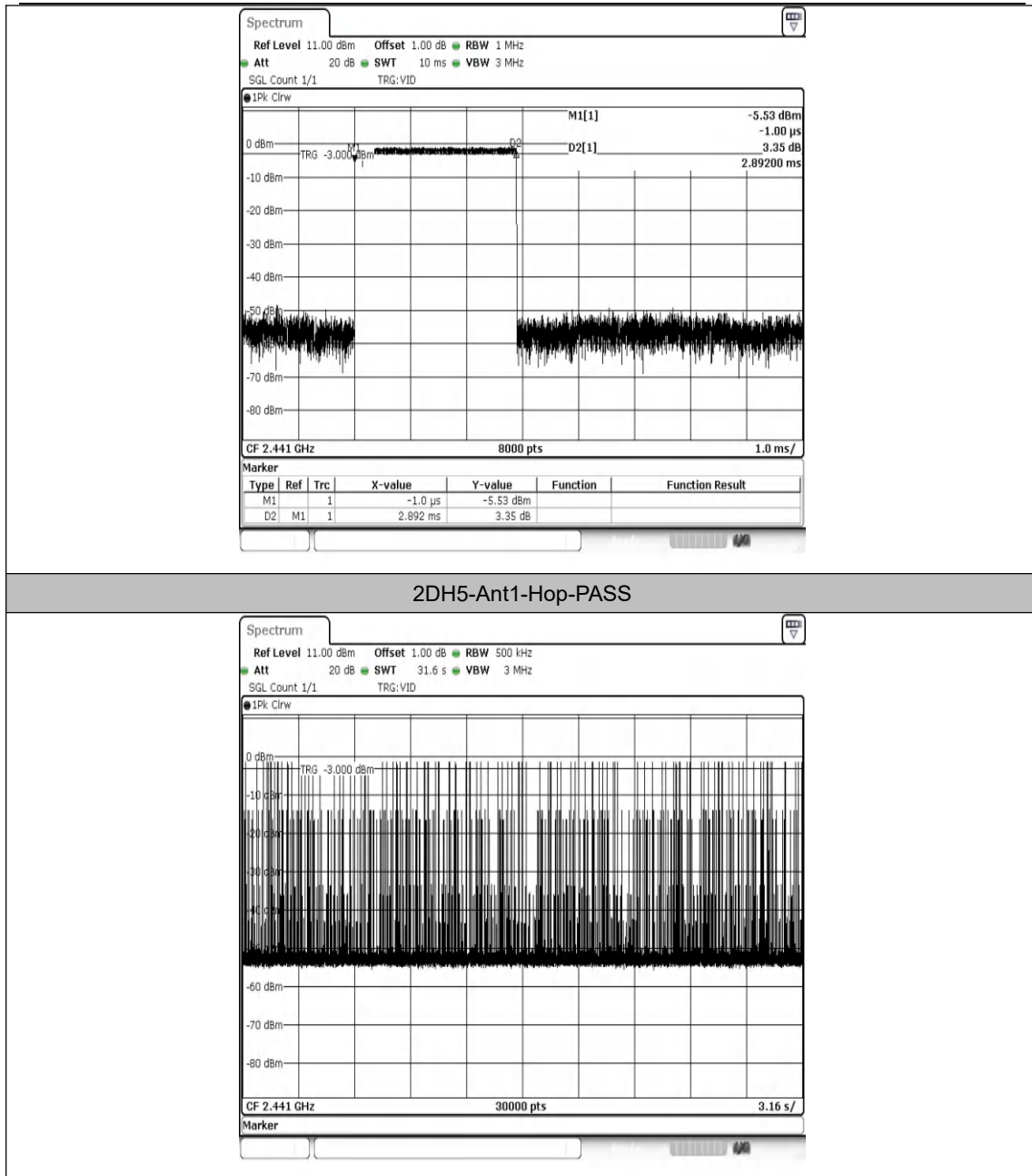
Test Graphs



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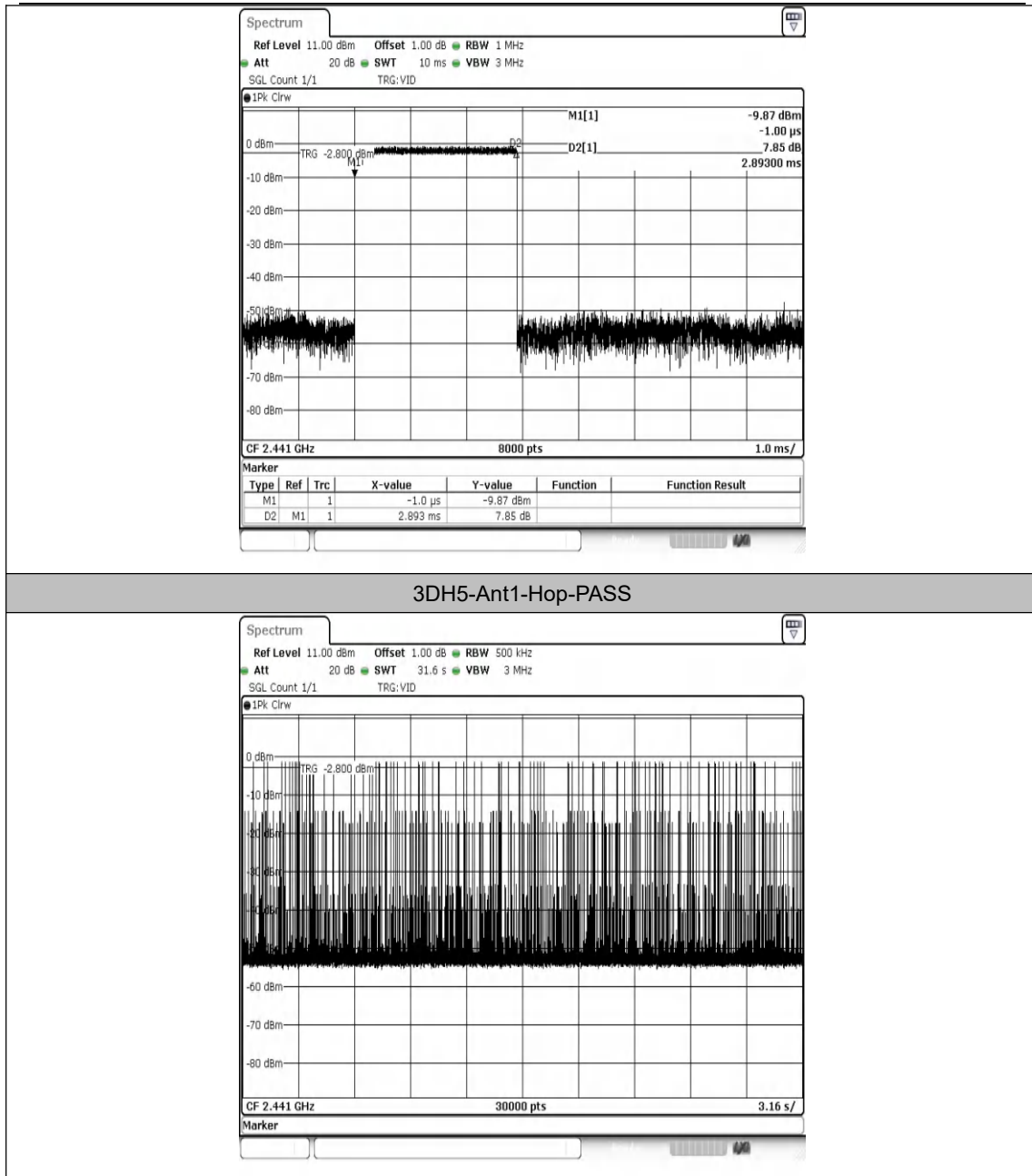
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Tel:(86)0755-26066440 Email:service@anbotek.com

Hotline
400-003-0500
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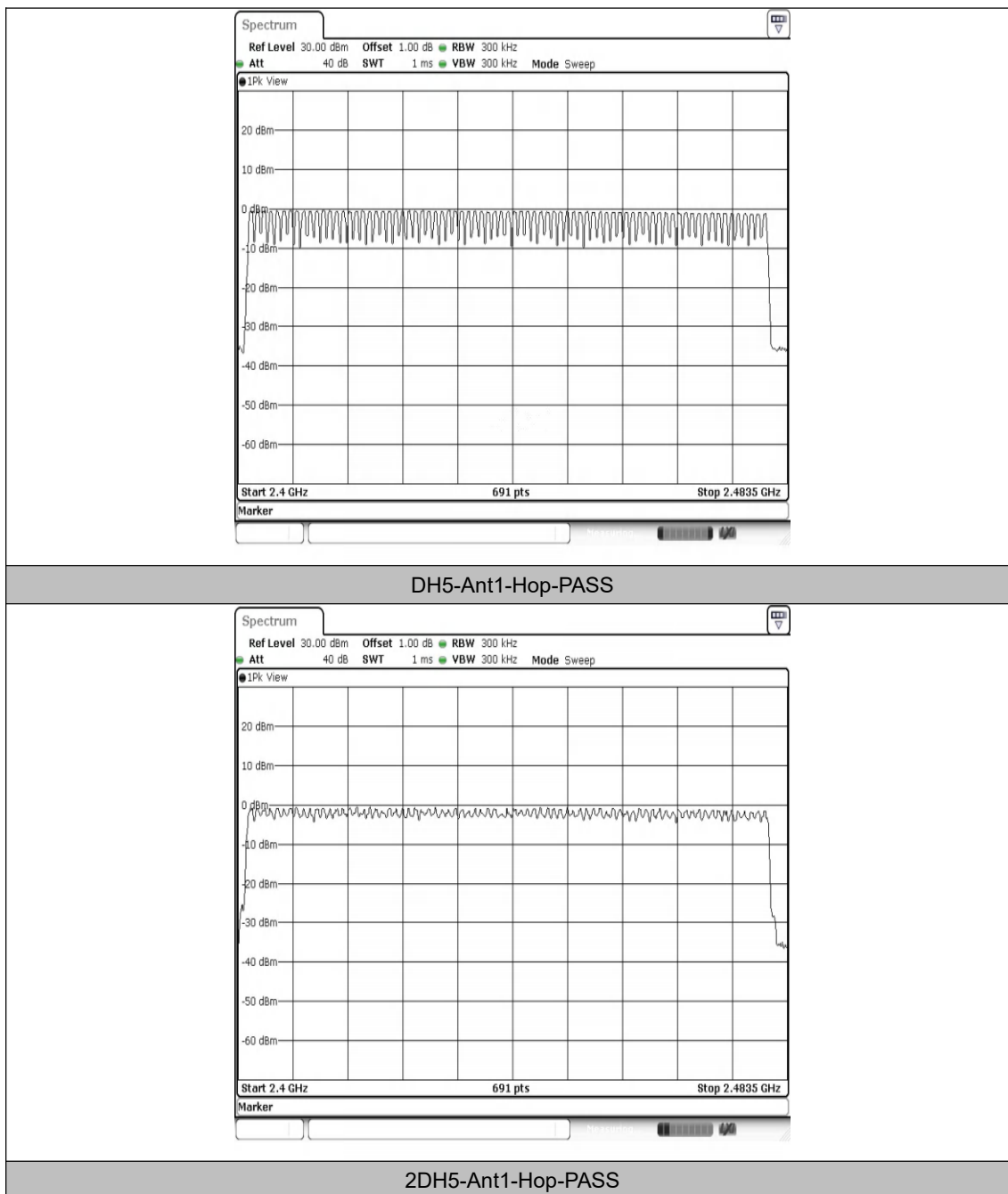
Appendix F: Number of Hopping Channel

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



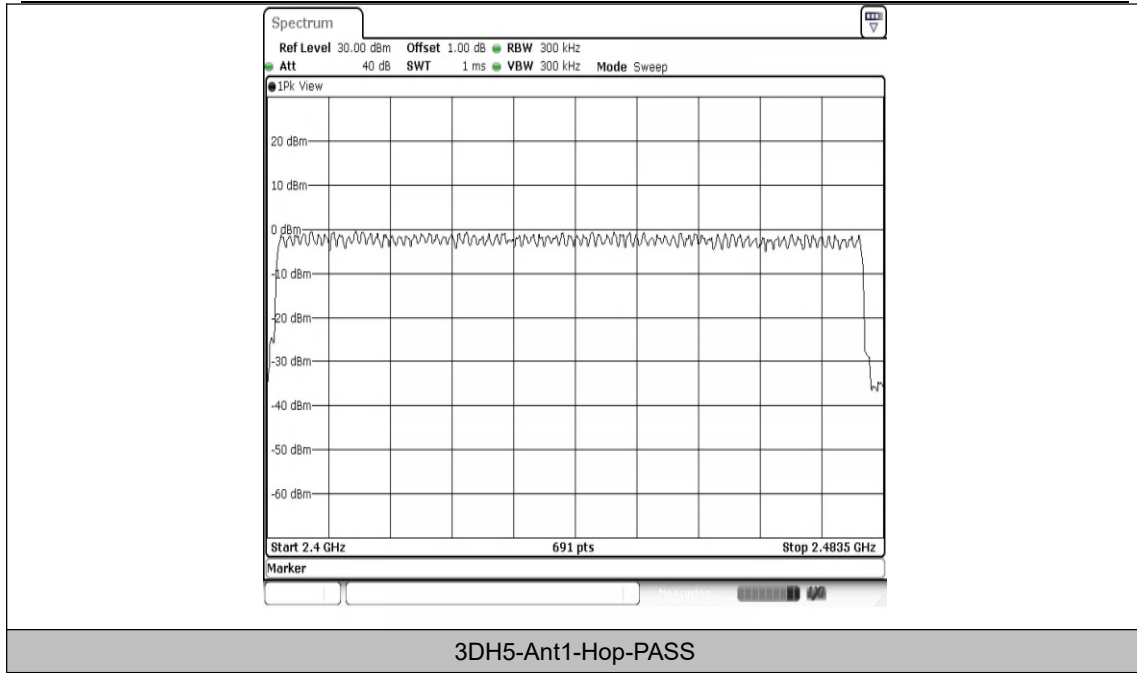
Test Graphs



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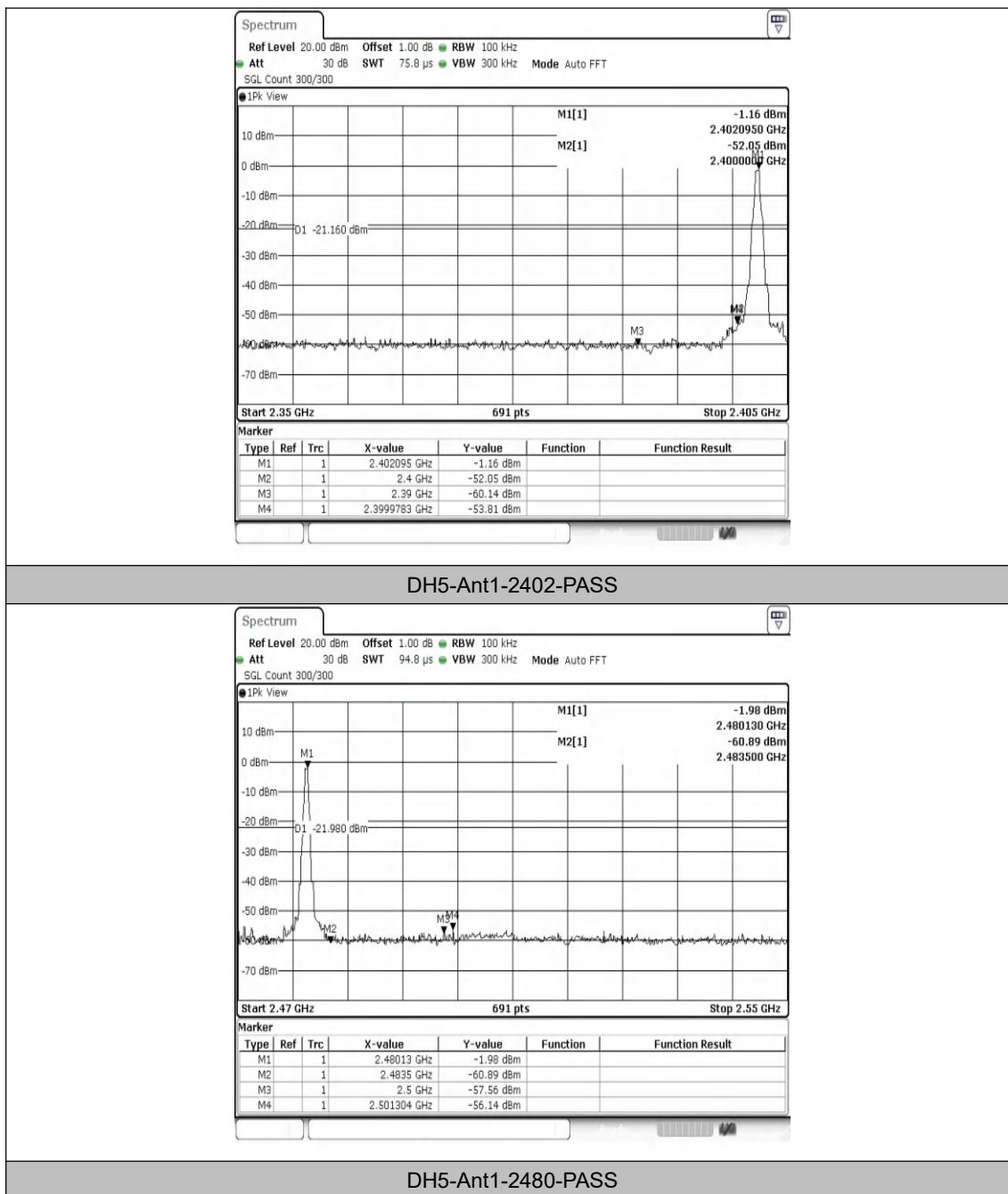
Appendix G: Conducted Band edge

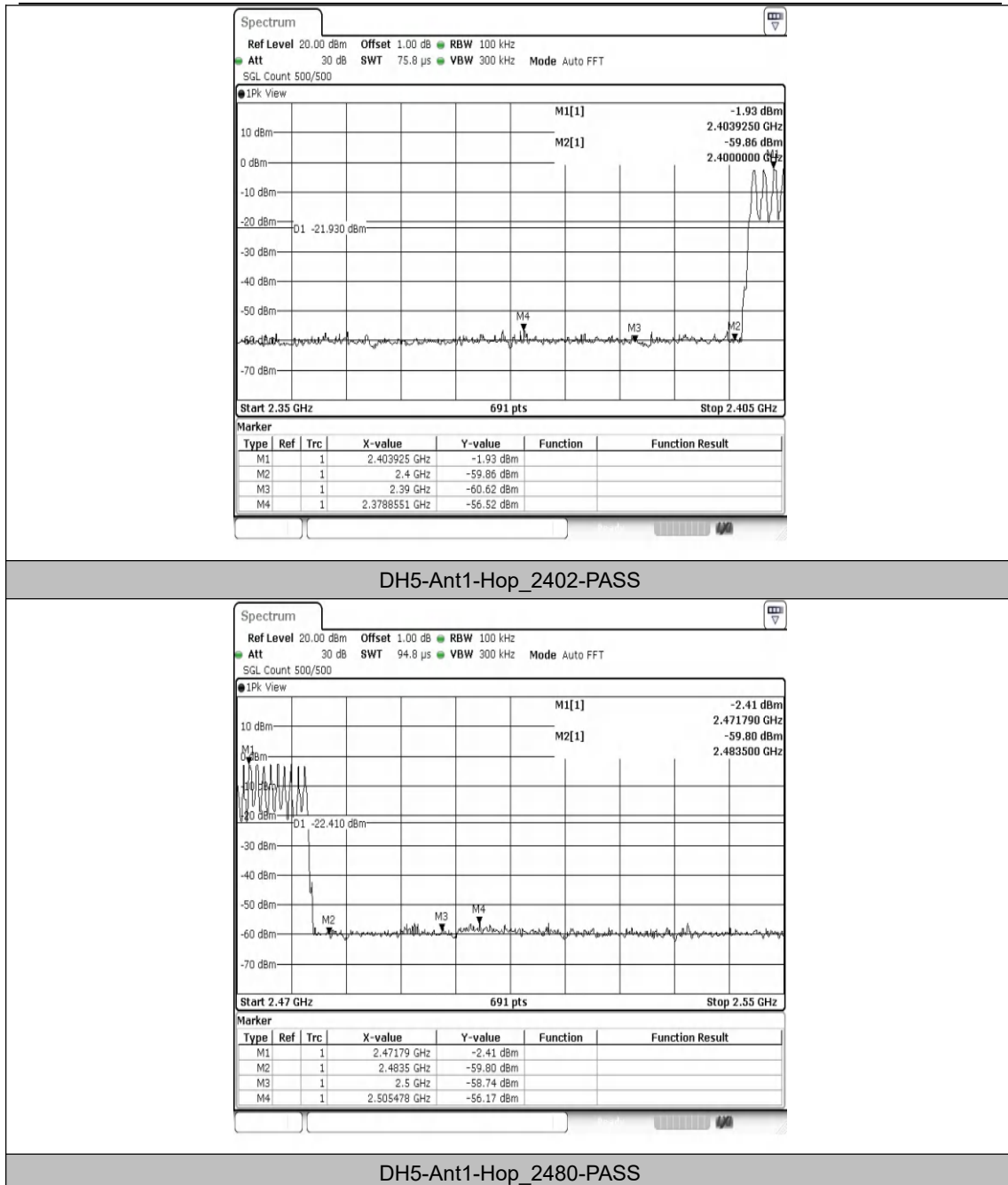
Test Result

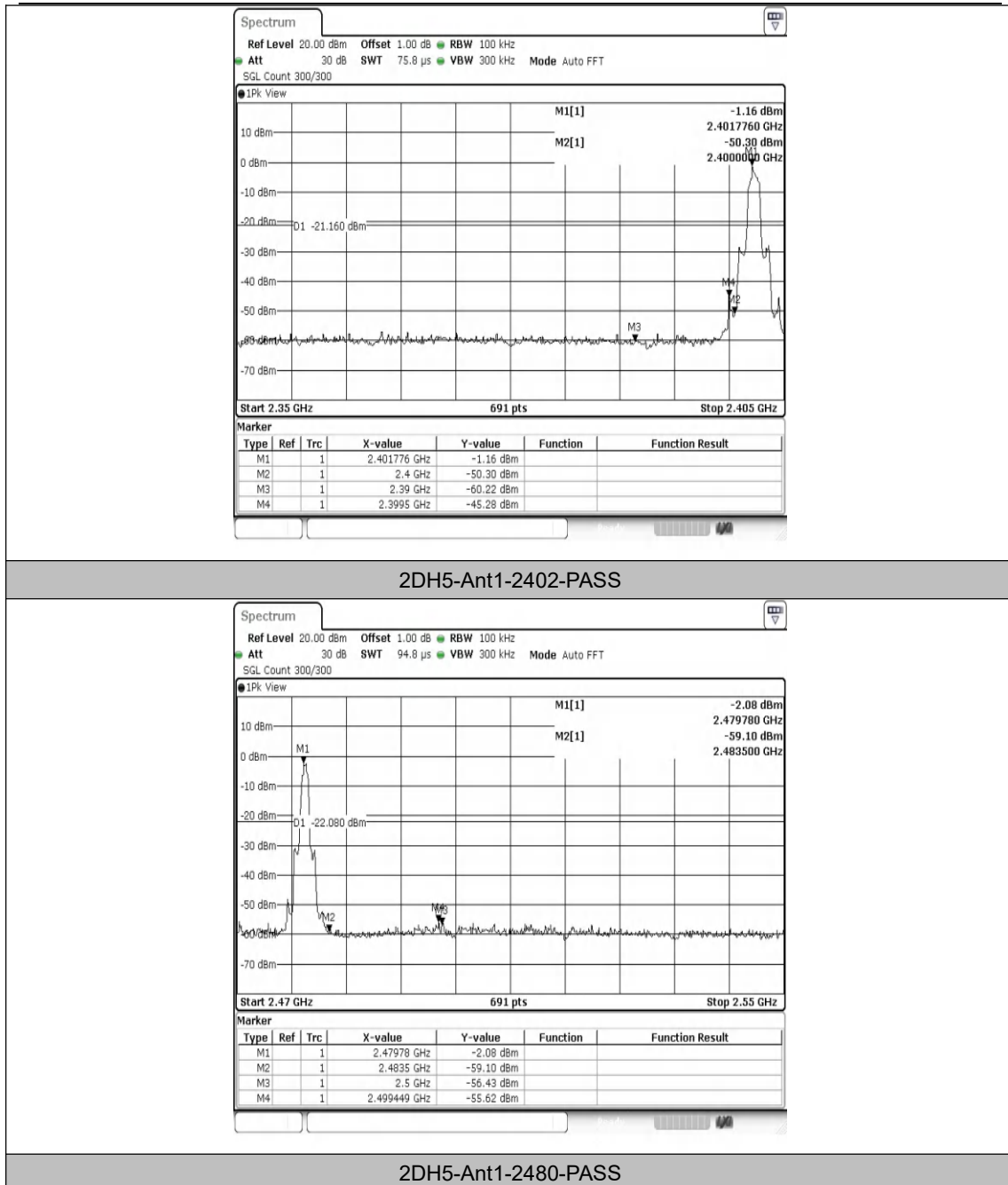
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.16	-53.81	≤ -21.16	PASS
DH5	Ant1	High	2480	-1.98	-56.14	≤ -21.98	PASS
DH5	Ant1	Low	Hop_2402	-1.93	-56.52	≤ -21.93	PASS
DH5	Ant1	High	Hop_2480	-2.41	-56.17	≤ -22.41	PASS
2DH5	Ant1	Low	2402	-1.16	-45.28	≤ -21.16	PASS
2DH5	Ant1	High	2480	-2.08	-55.62	≤ -22.08	PASS
2DH5	Ant1	Low	Hop_2402	-3.97	-51.08	≤ -23.97	PASS
2DH5	Ant1	High	Hop_2480	-1.96	-55.63	≤ -21.96	PASS
3DH5	Ant1	Low	2402	-1.51	-46.82	≤ -21.51	PASS
3DH5	Ant1	High	2480	-2.19	-51.86	≤ -22.19	PASS
3DH5	Ant1	Low	Hop_2402	-1.38	-50.71	≤ -21.38	PASS
3DH5	Ant1	High	Hop_2480	-4.66	-56.51	≤ -24.66	PASS

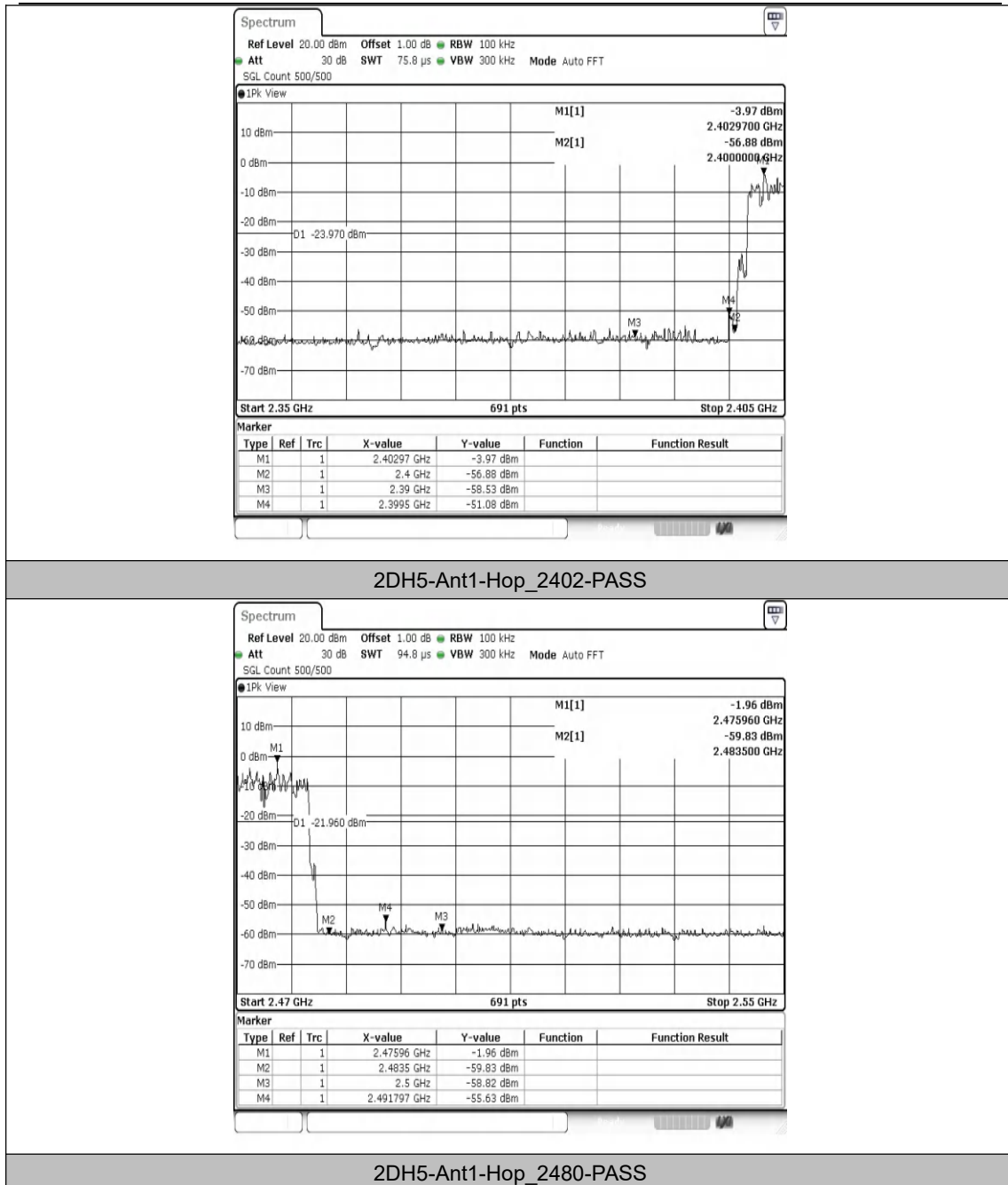


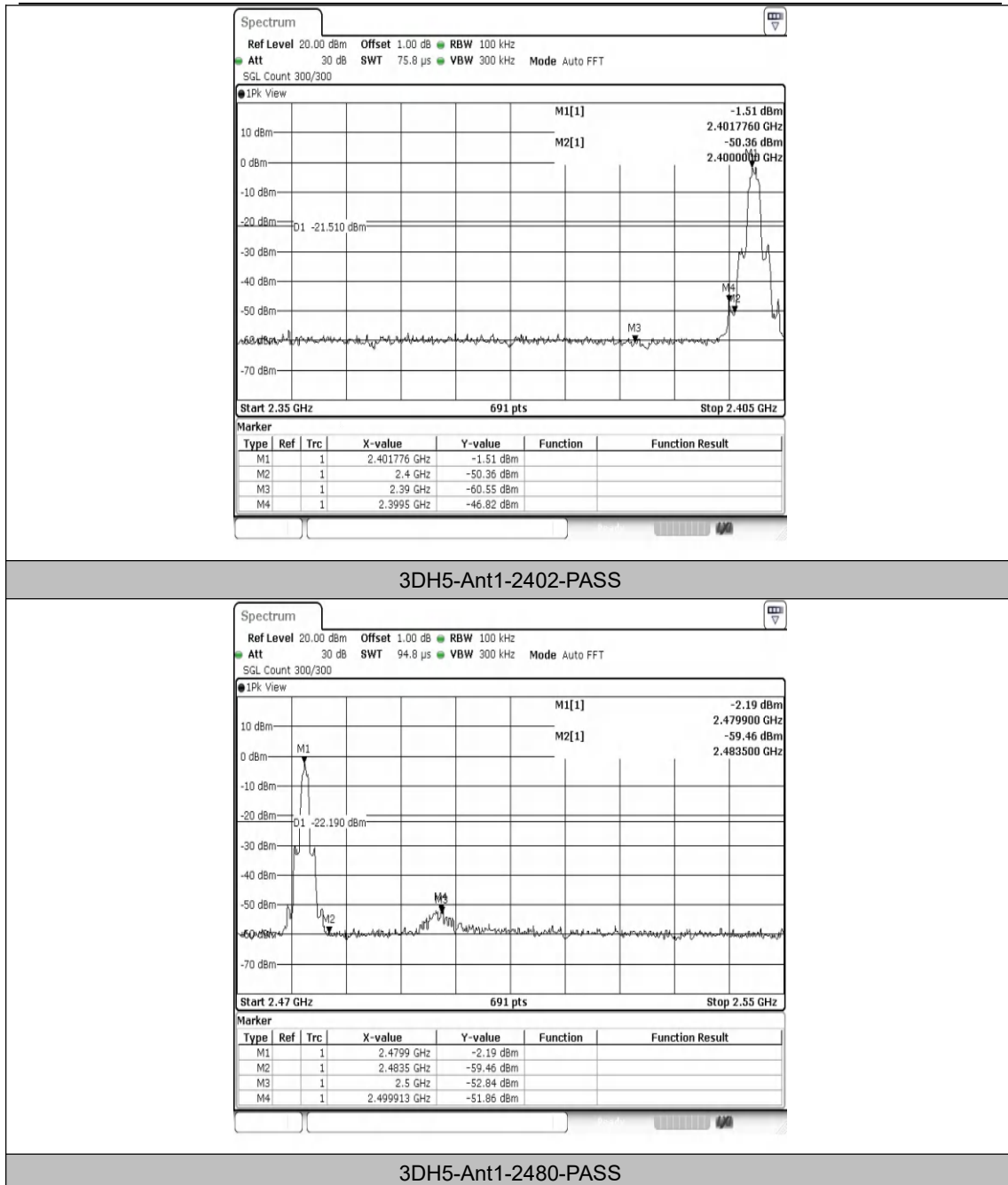
Test Graphs

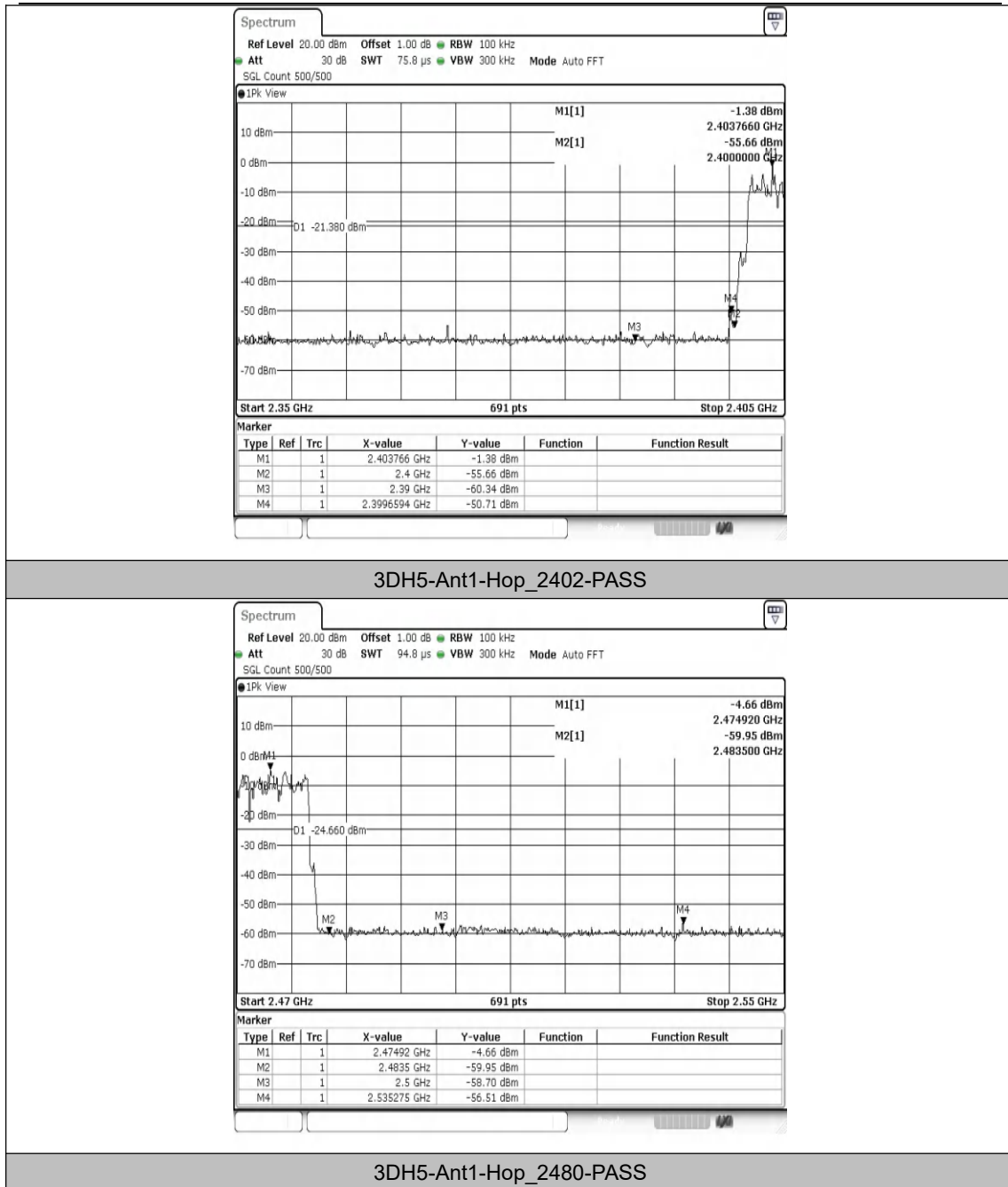












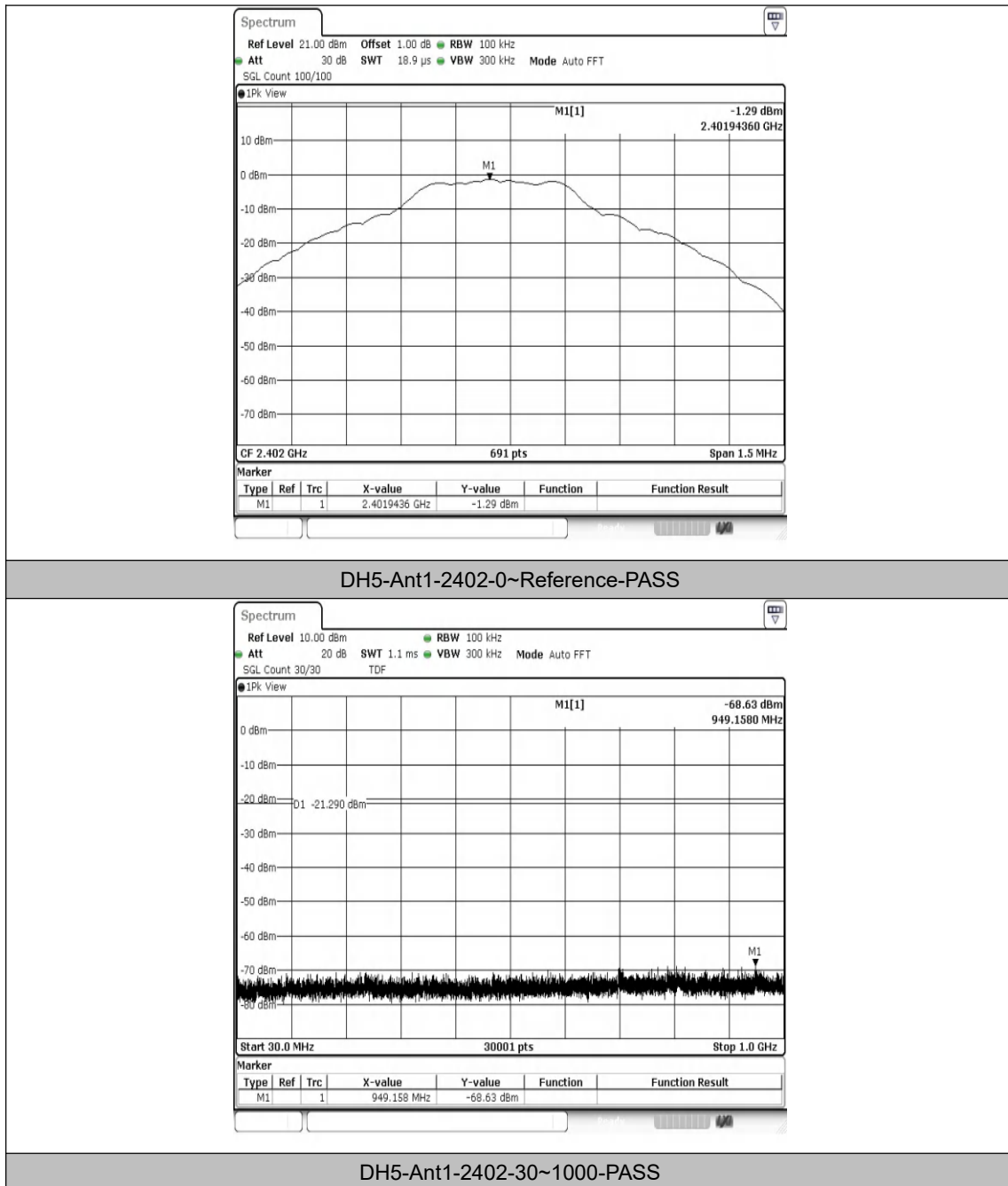
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.29	-1.29	---	PASS
DH5	Ant1	2402	30~1000	-1.29	-68.63	≤-21.29	PASS
DH5	Ant1	2402	1000~26500	-1.29	-44.83	≤-21.29	PASS
DH5	Ant1	2441	0~Reference	-1.74	-1.74	---	PASS
DH5	Ant1	2441	30~1000	-1.74	-68.67	≤-21.74	PASS
DH5	Ant1	2441	1000~26500	-1.74	-45.32	≤-21.74	PASS
DH5	Ant1	2480	0~Reference	-2.37	-2.37	---	PASS
DH5	Ant1	2480	30~1000	-2.37	-68.4	≤-22.37	PASS
DH5	Ant1	2480	1000~26500	-2.37	-41.08	≤-22.37	PASS
2DH5	Ant1	2402	0~Reference	-1.22	-1.22	---	PASS
2DH5	Ant1	2402	30~1000	-1.22	-68.11	≤-21.22	PASS
2DH5	Ant1	2402	1000~26500	-1.22	-48.05	≤-21.22	PASS
2DH5	Ant1	2441	0~Reference	-2.96	-2.96	---	PASS
2DH5	Ant1	2441	30~1000	-2.96	-67.78	≤-22.96	PASS
2DH5	Ant1	2441	1000~26500	-2.96	-46.46	≤-22.96	PASS
2DH5	Ant1	2480	0~Reference	-2.55	-2.55	---	PASS
2DH5	Ant1	2480	30~1000	-2.55	-66.71	≤-22.55	PASS
2DH5	Ant1	2480	1000~26500	-2.55	-45.35	≤-22.55	PASS
3DH5	Ant1	2402	0~Reference	-3.42	-3.42	---	PASS
3DH5	Ant1	2402	30~1000	-3.42	-67.03	≤-23.42	PASS
3DH5	Ant1	2402	1000~26500	-3.42	-48.42	≤-23.42	PASS
3DH5	Ant1	2441	0~Reference	-1.96	-1.96	---	PASS
3DH5	Ant1	2441	30~1000	-1.96	-68.33	≤-21.96	PASS
3DH5	Ant1	2441	1000~26500	-1.96	-42.96	≤-21.96	PASS
3DH5	Ant1	2480	0~Reference	-3.09	-3.09	---	PASS
3DH5	Ant1	2480	30~1000	-3.09	-68.54	≤-23.09	PASS
3DH5	Ant1	2480	1000~26500	-3.09	-44.88	≤-23.09	PASS

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

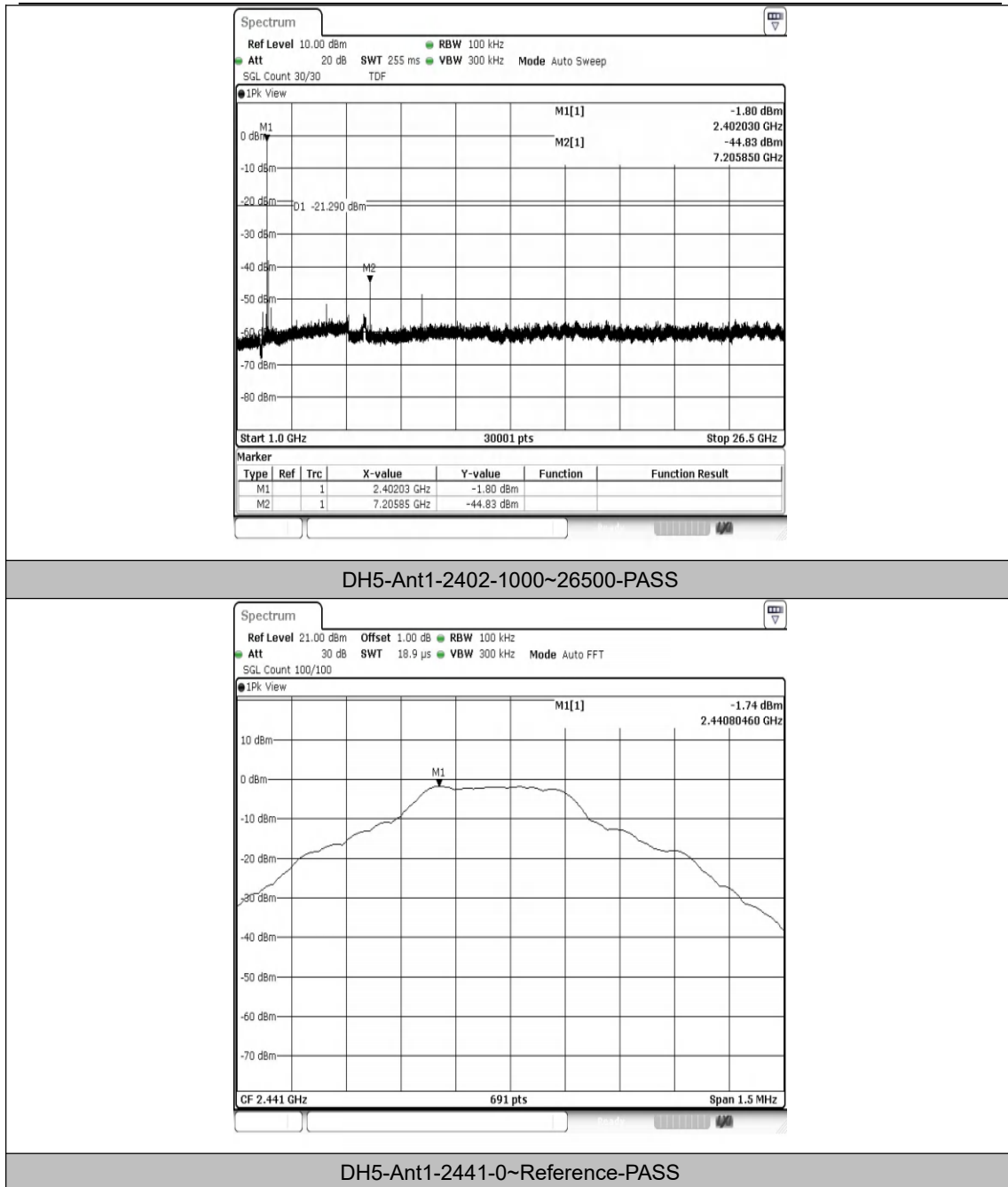
Test Graphs



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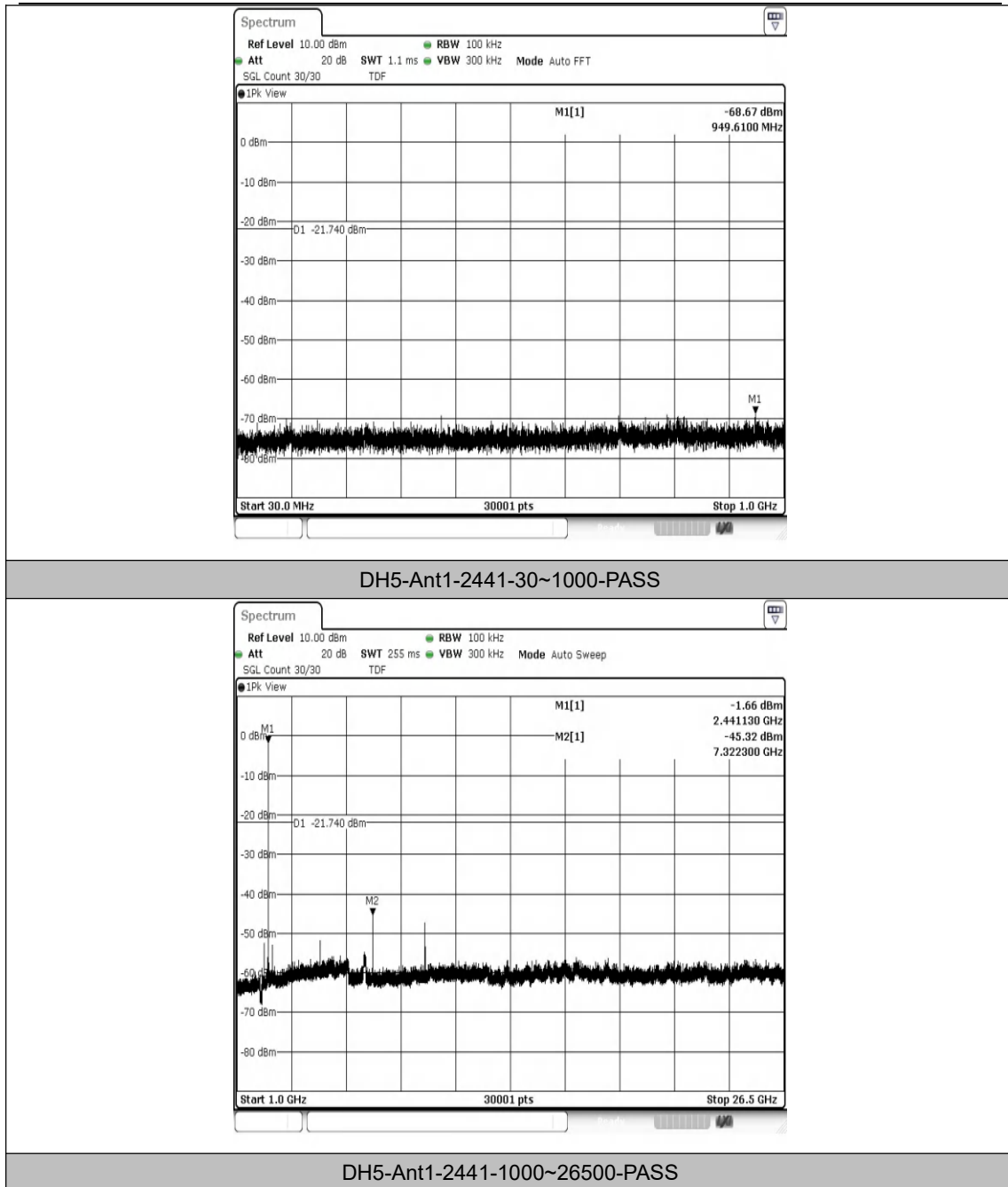
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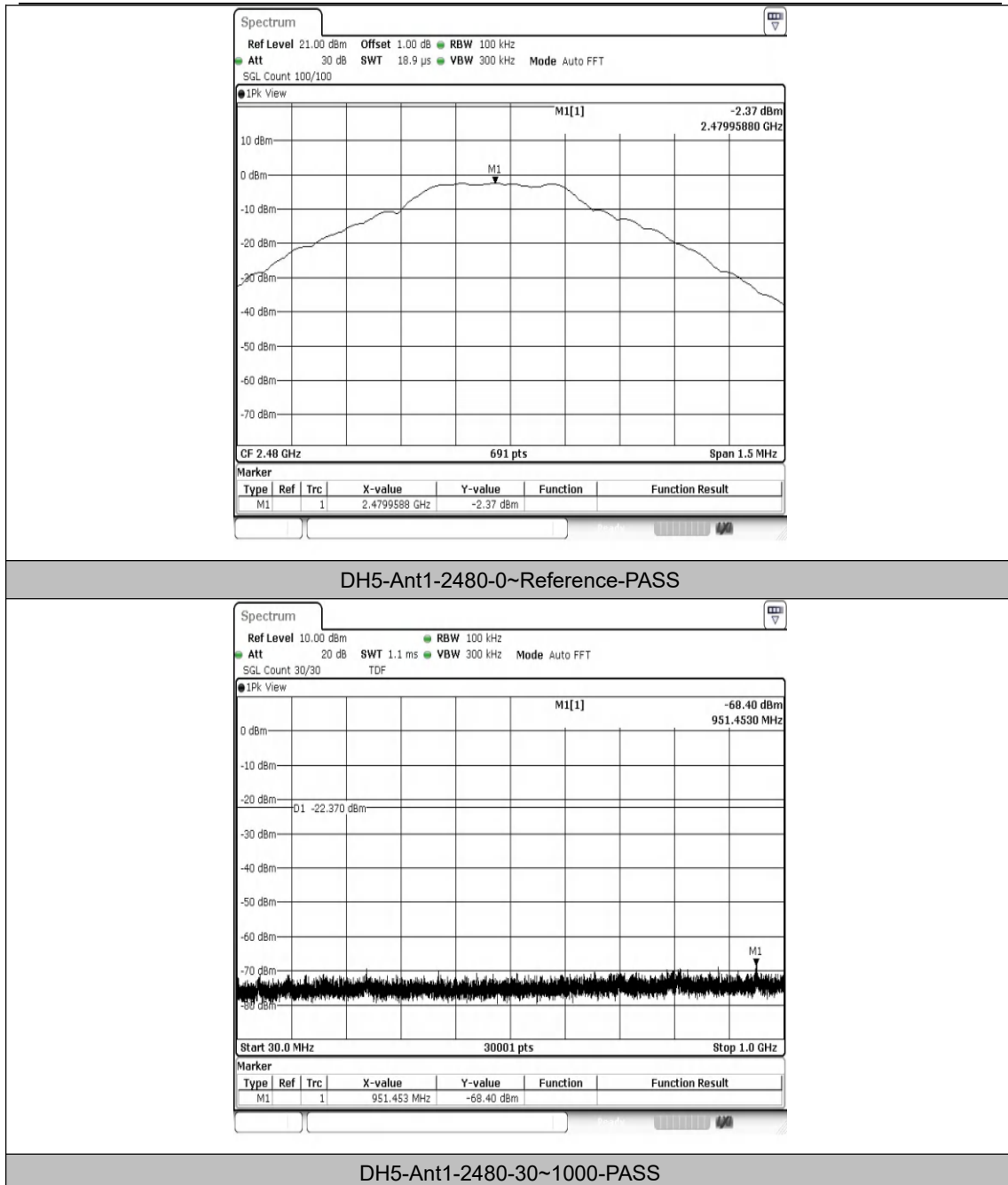
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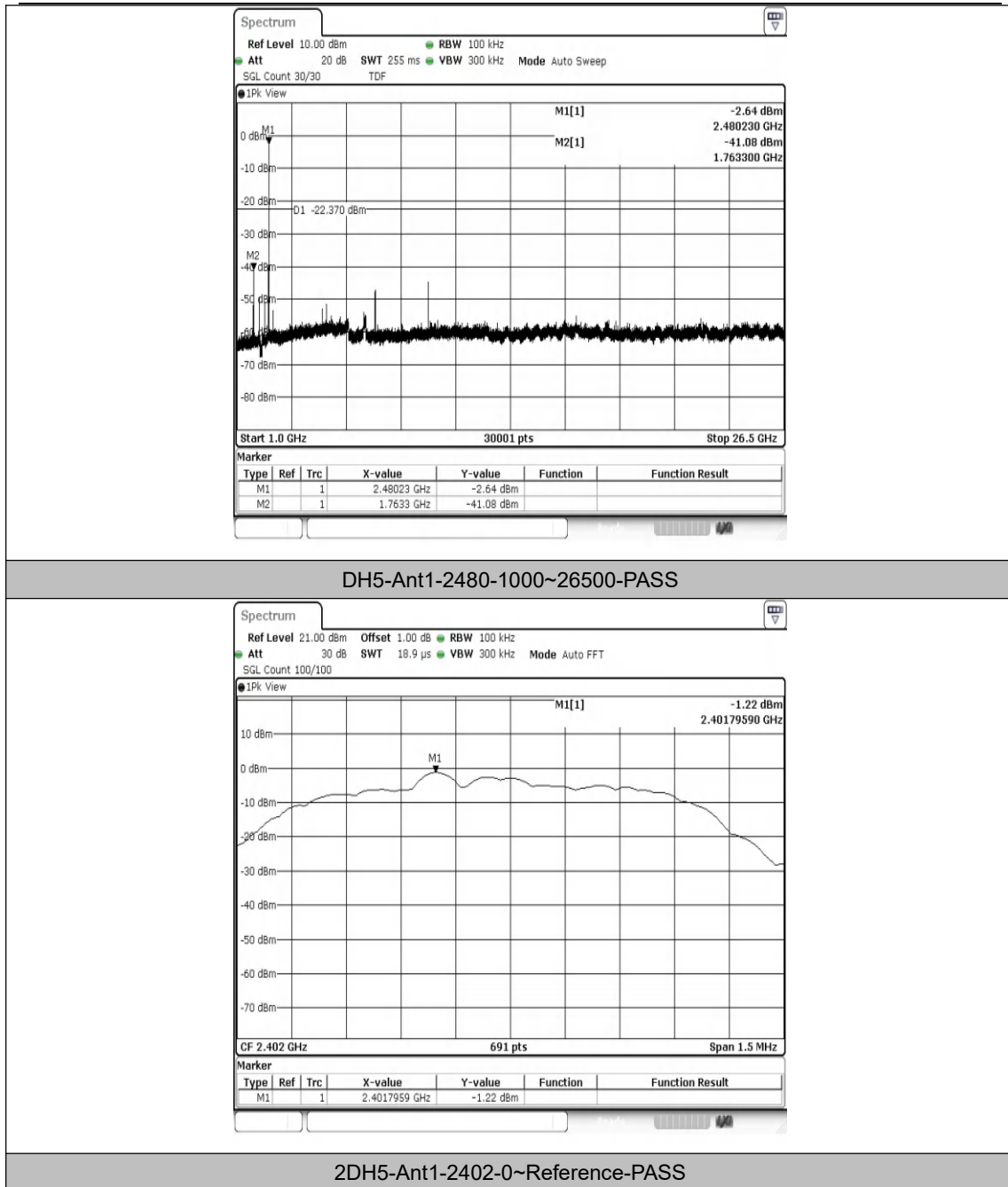
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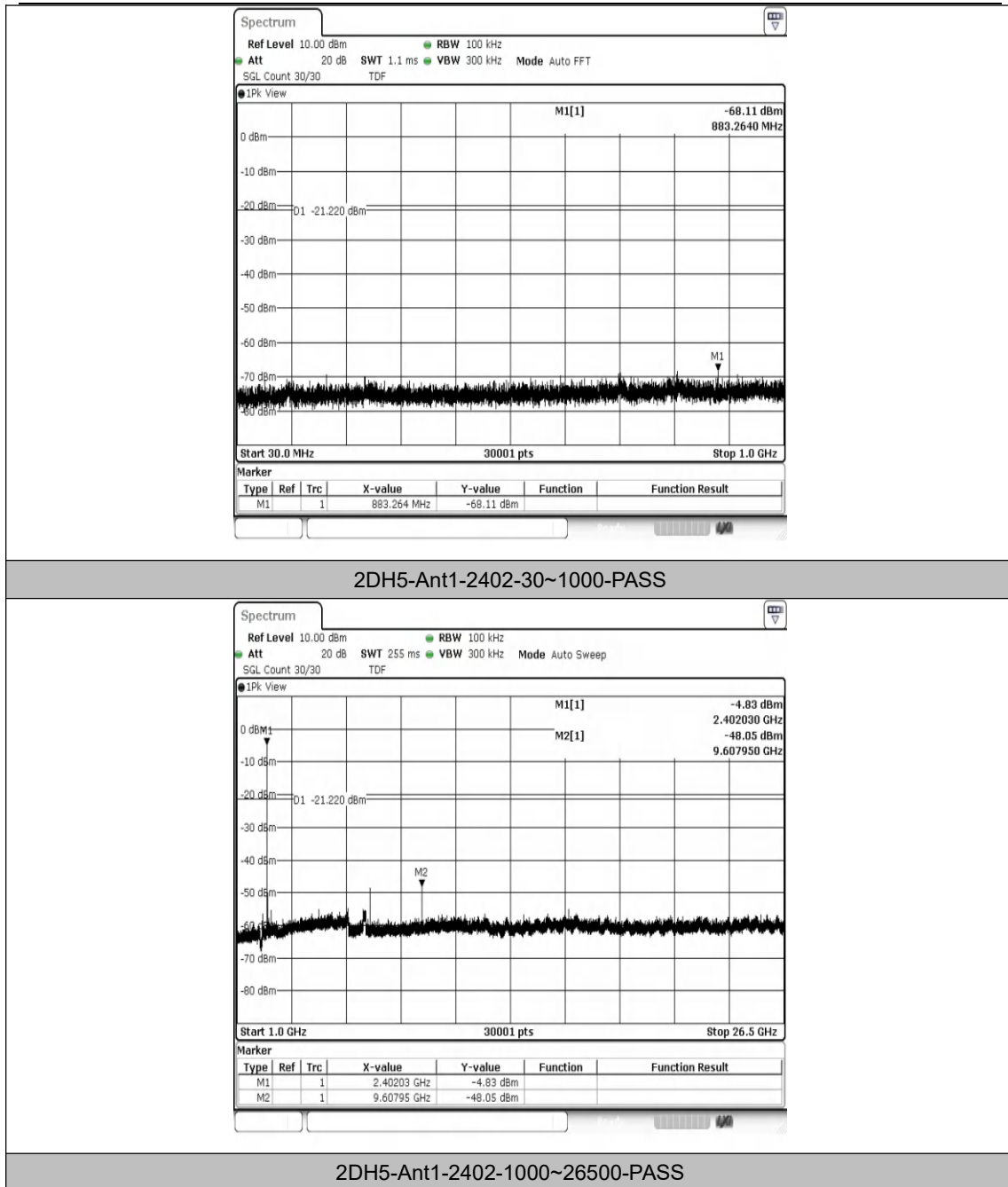


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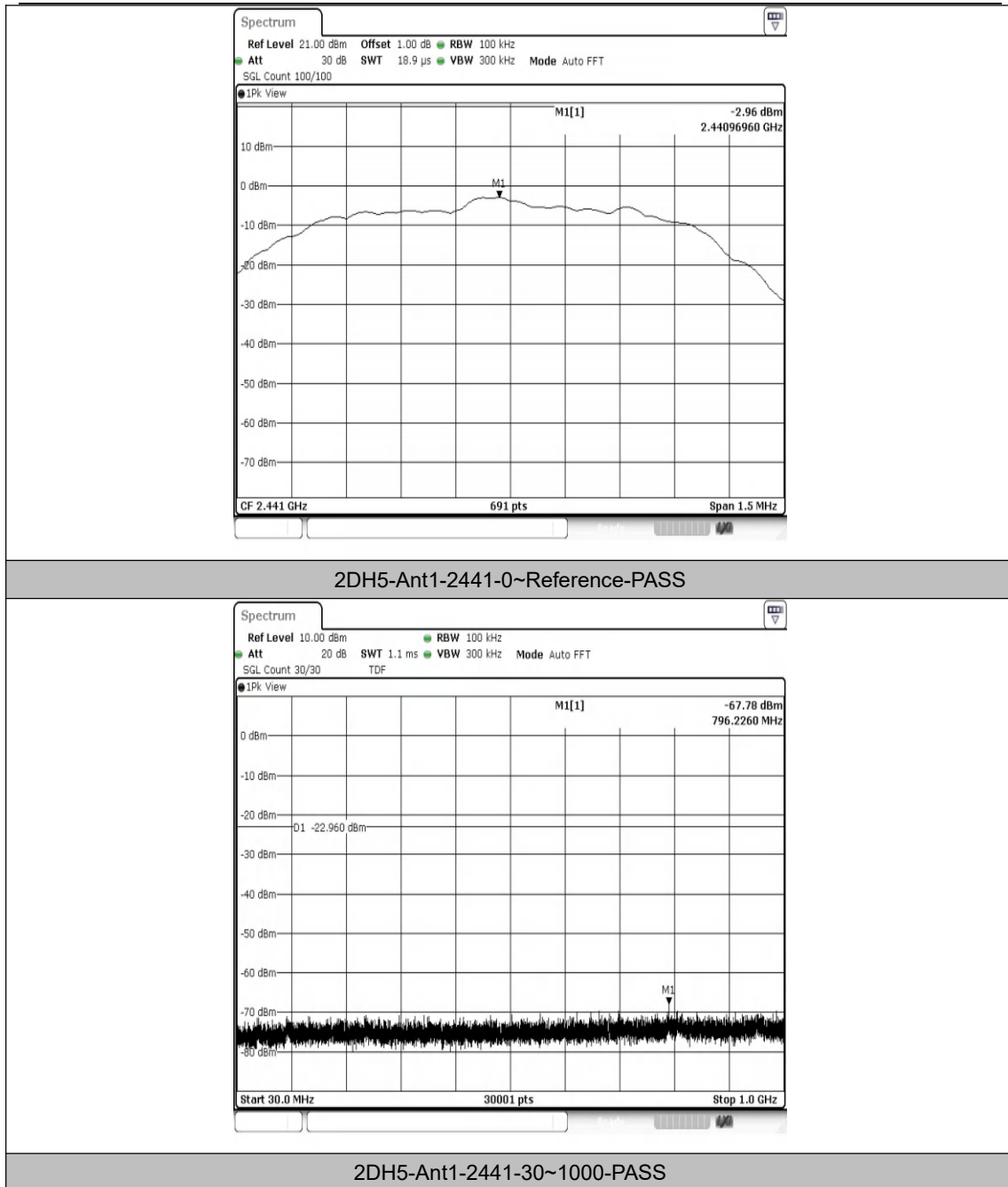




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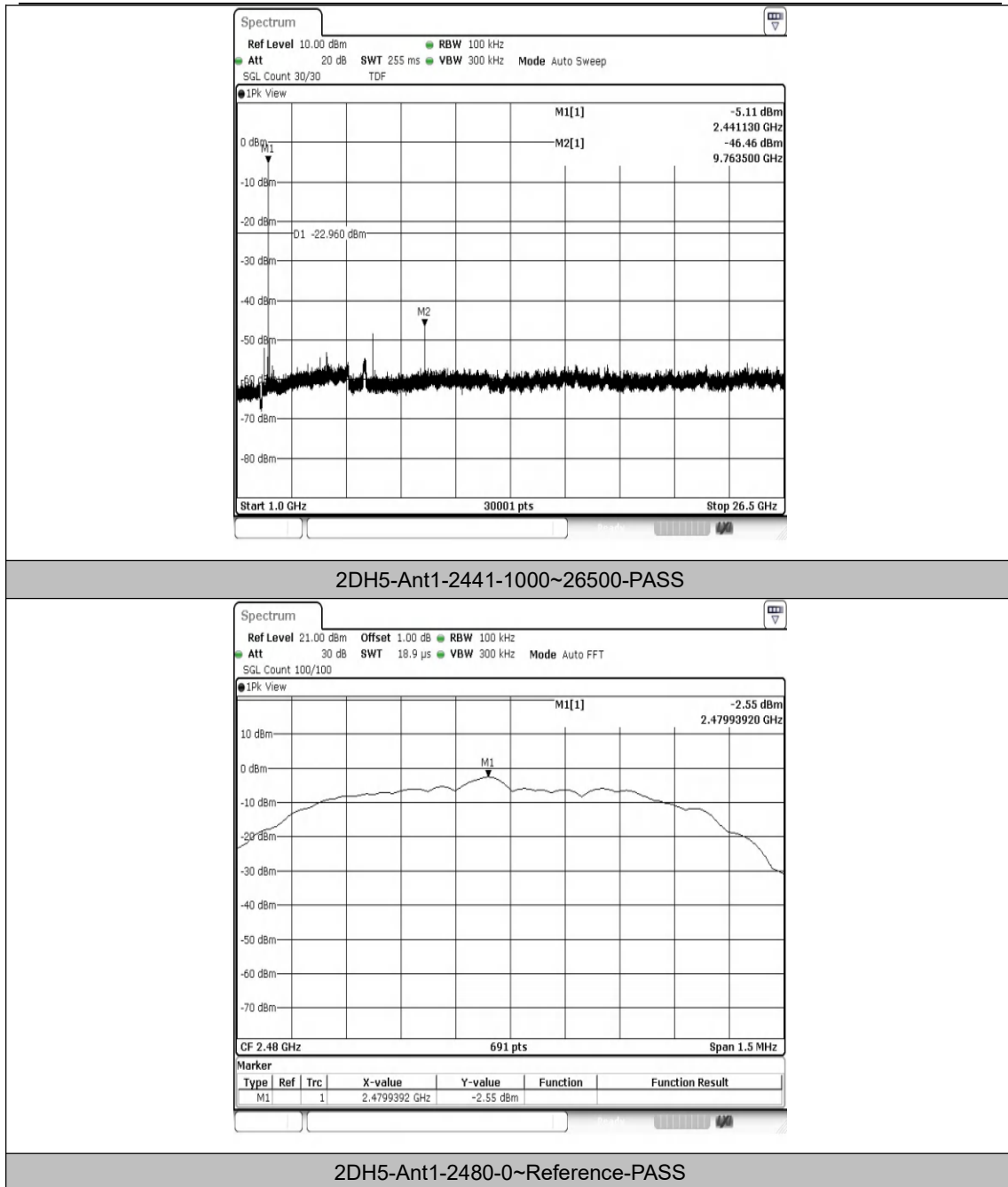
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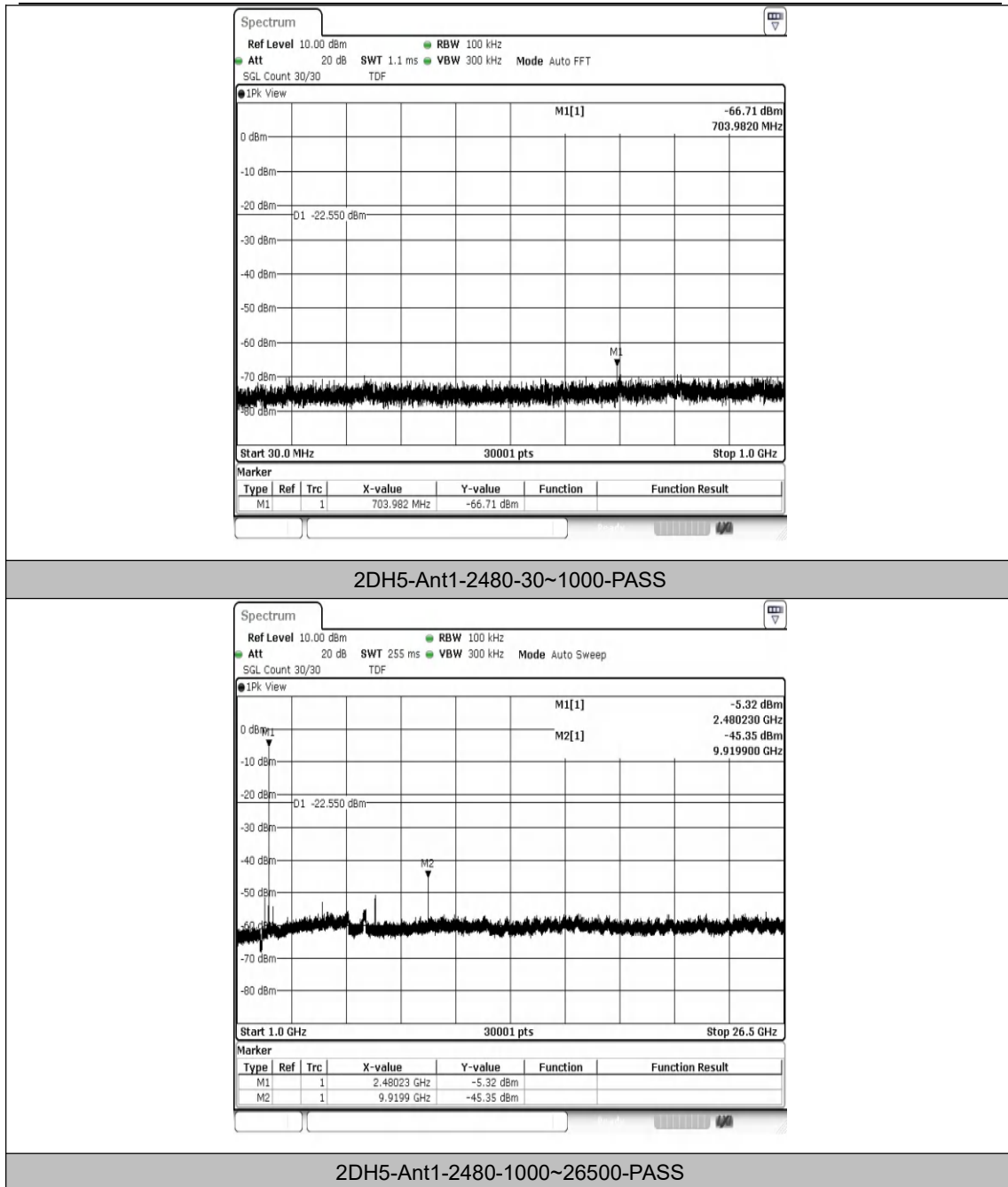


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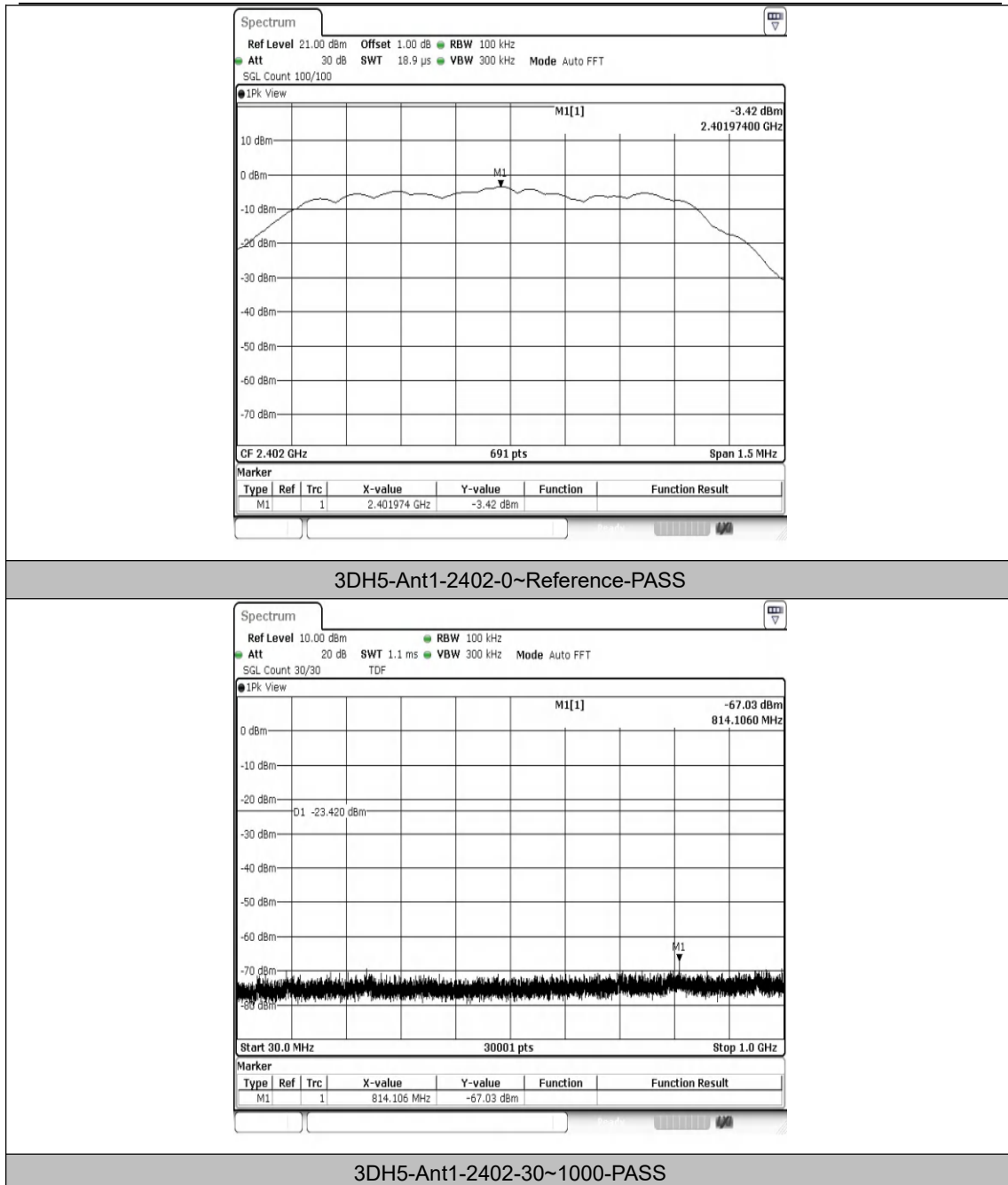




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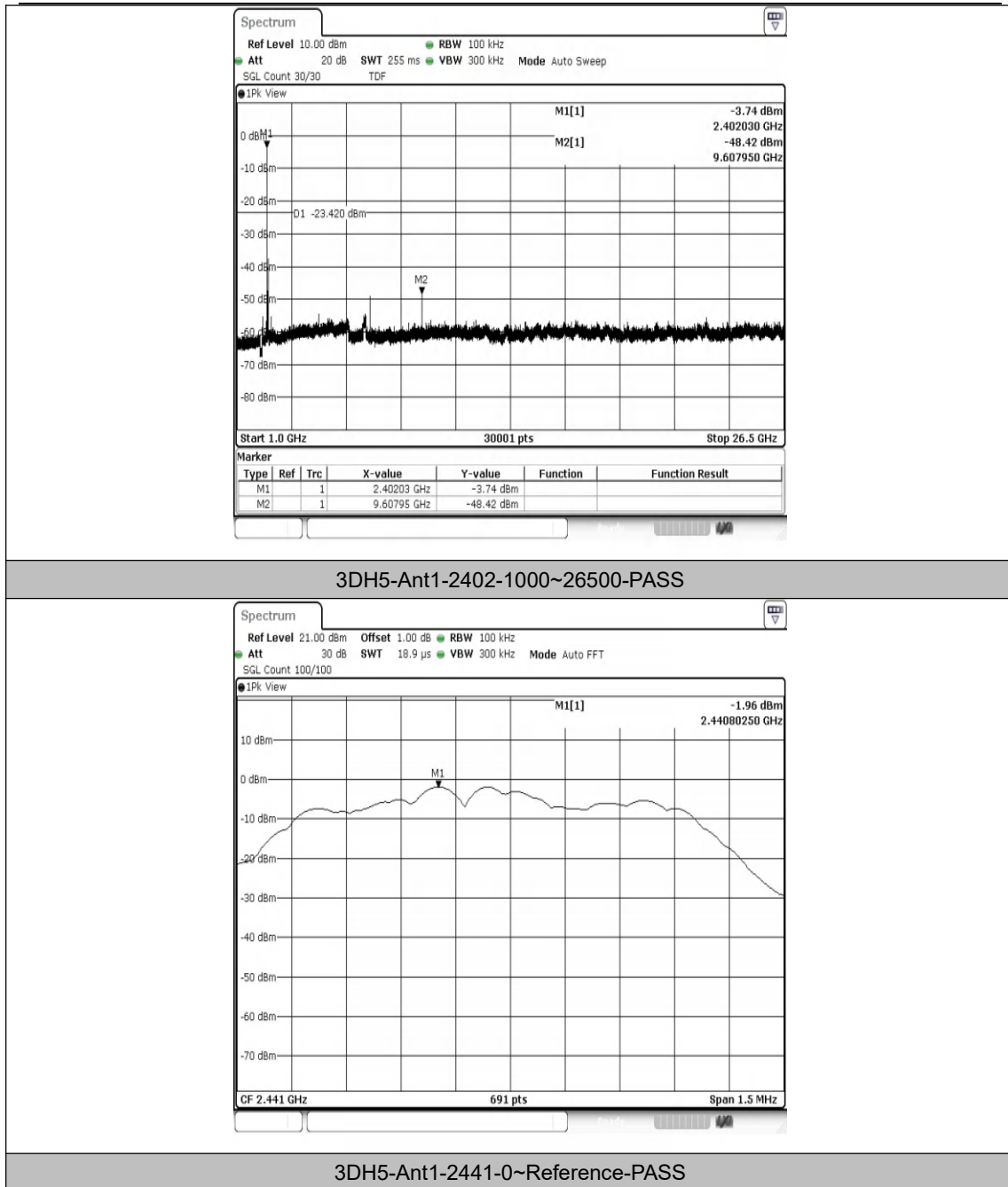
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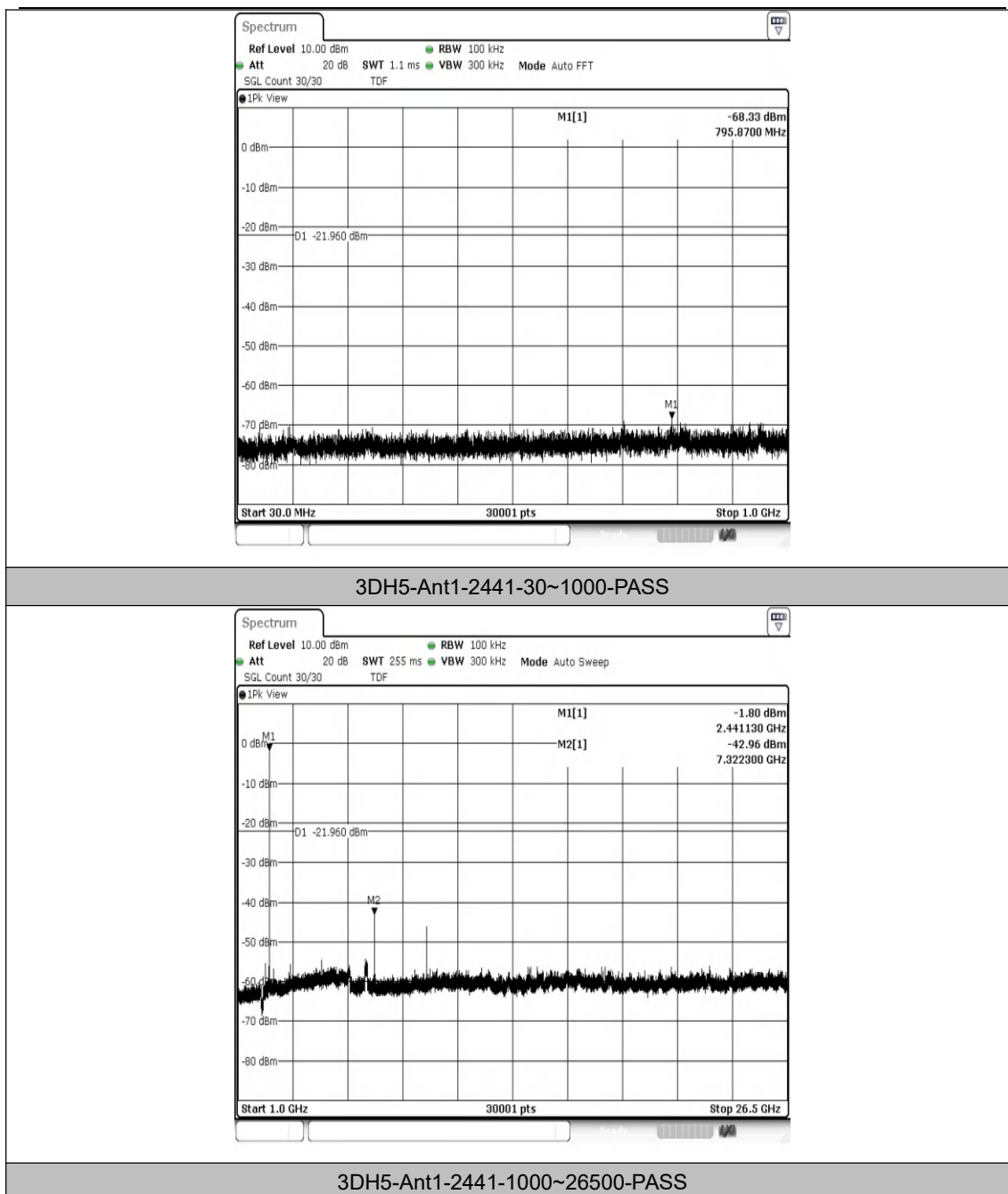
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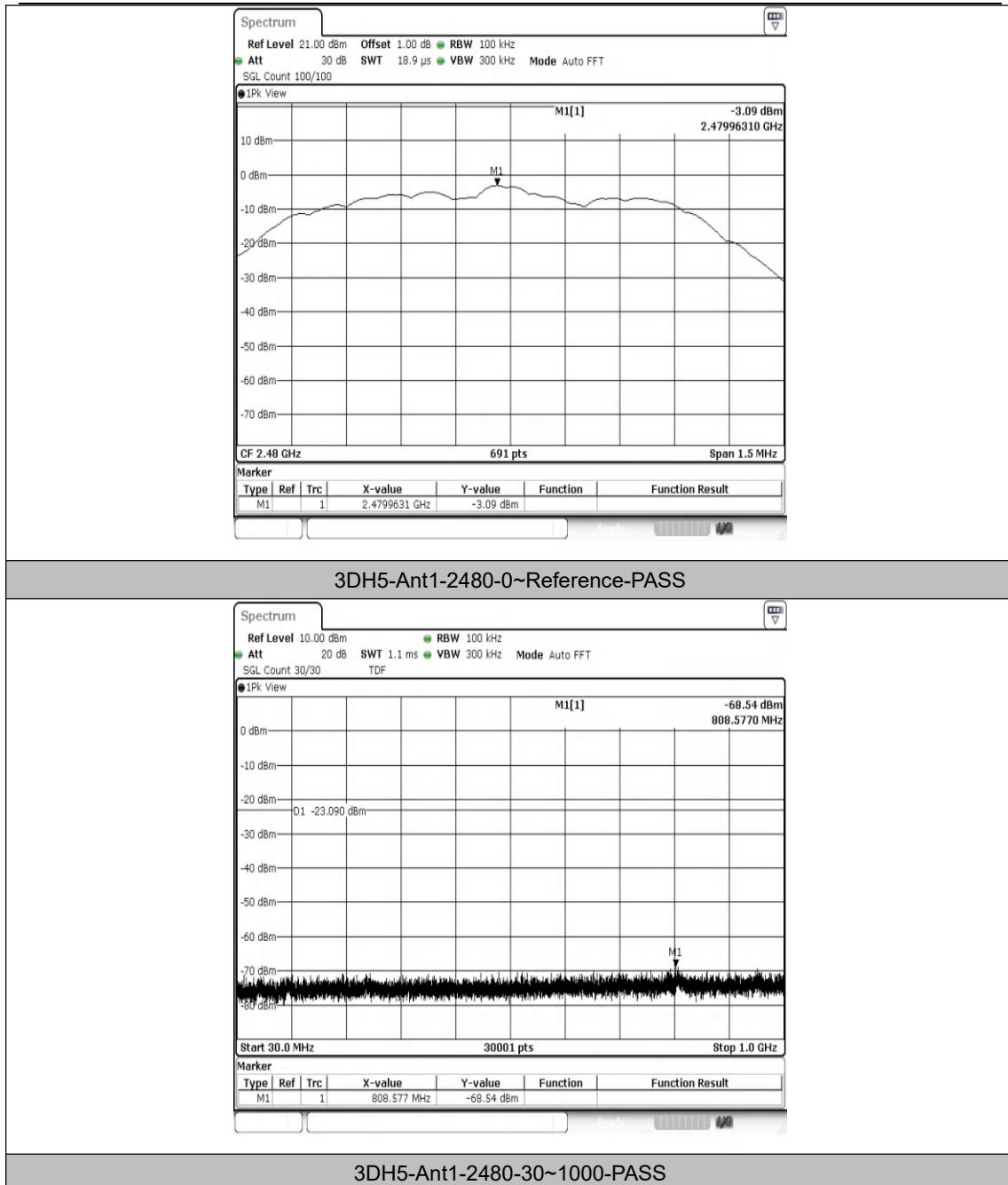


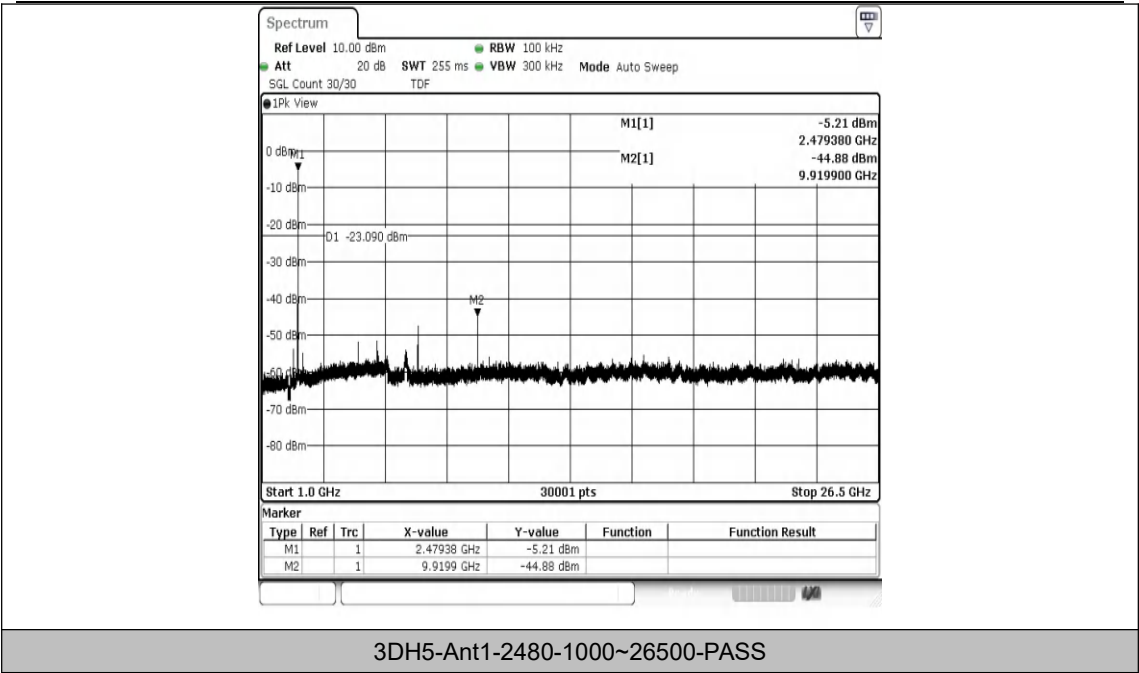
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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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Tel: (86) 0755-26066440 Email: service@anbotek.com

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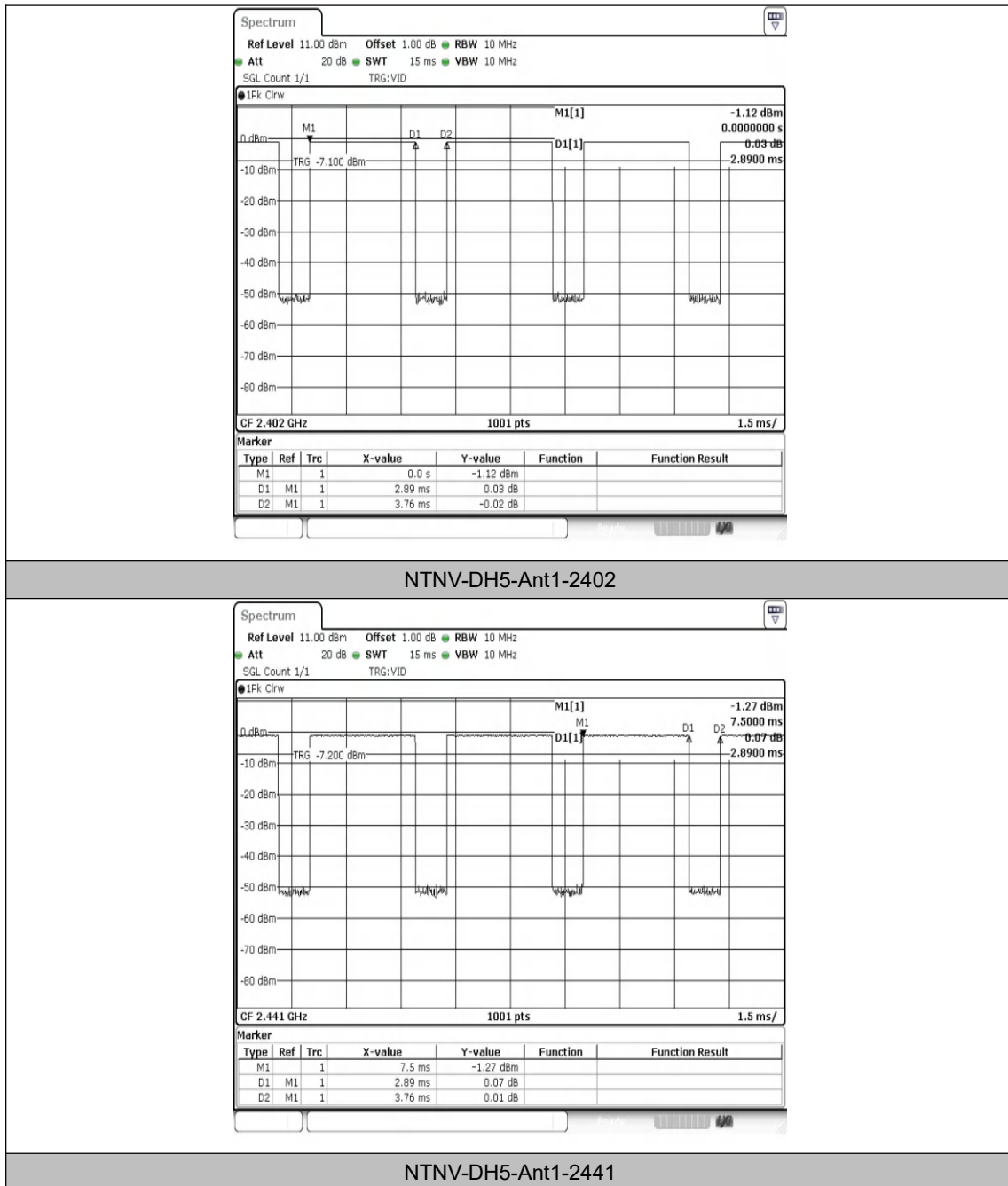
Appendix I: Duty Cycle

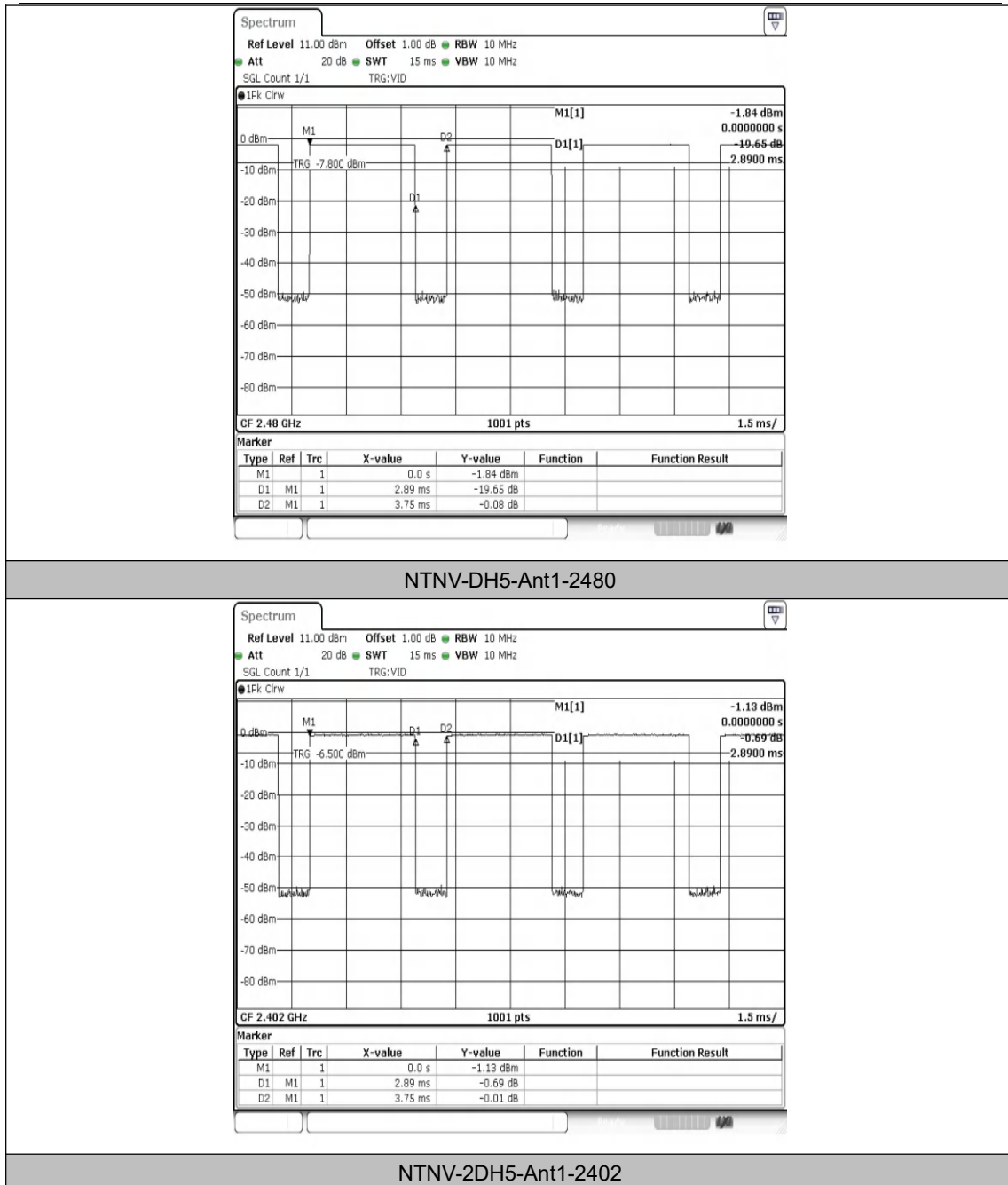
Test Result

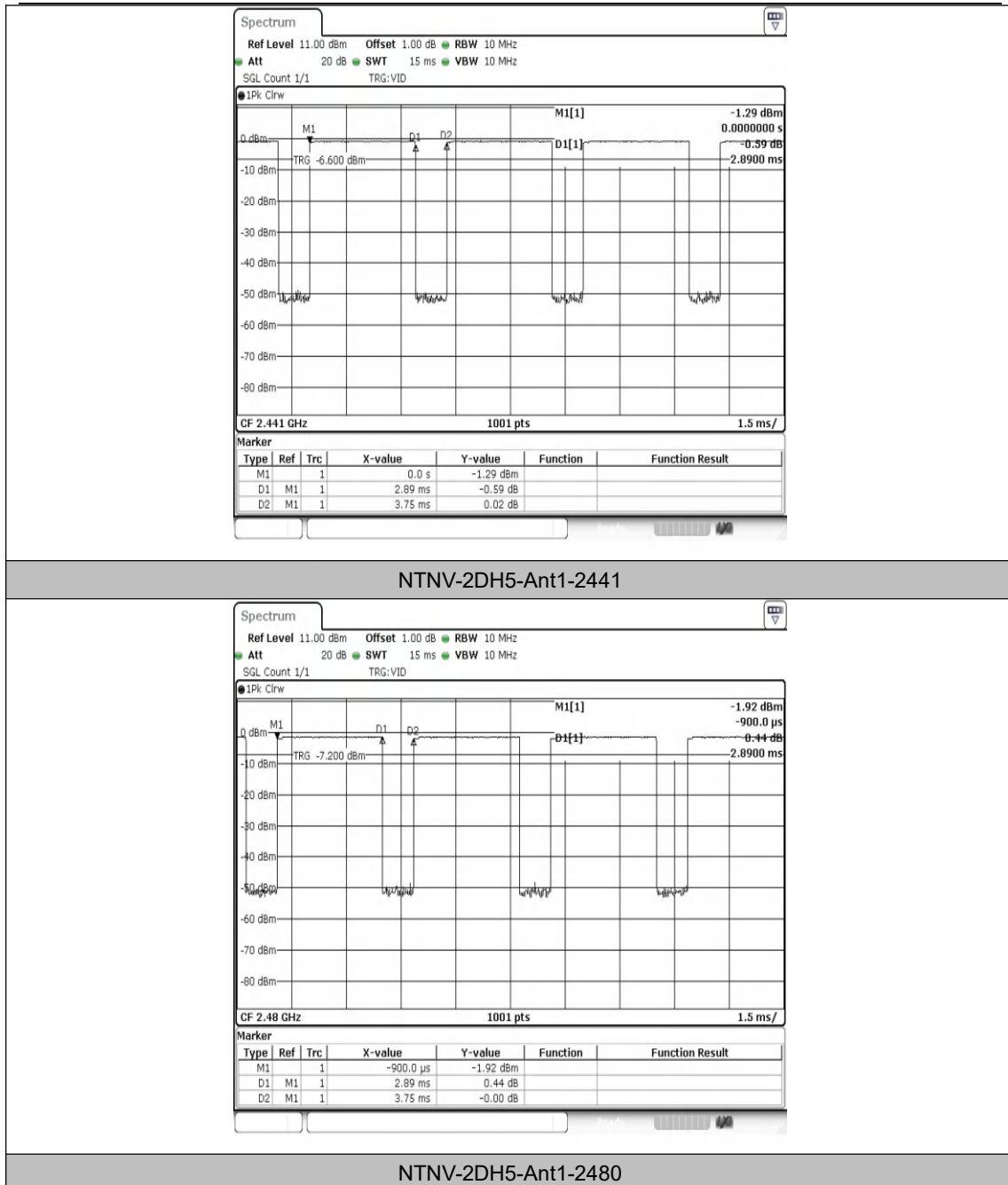
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.76	76.86	1.14
DH5	Ant1	2441	2.89	3.76	76.86	1.14
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

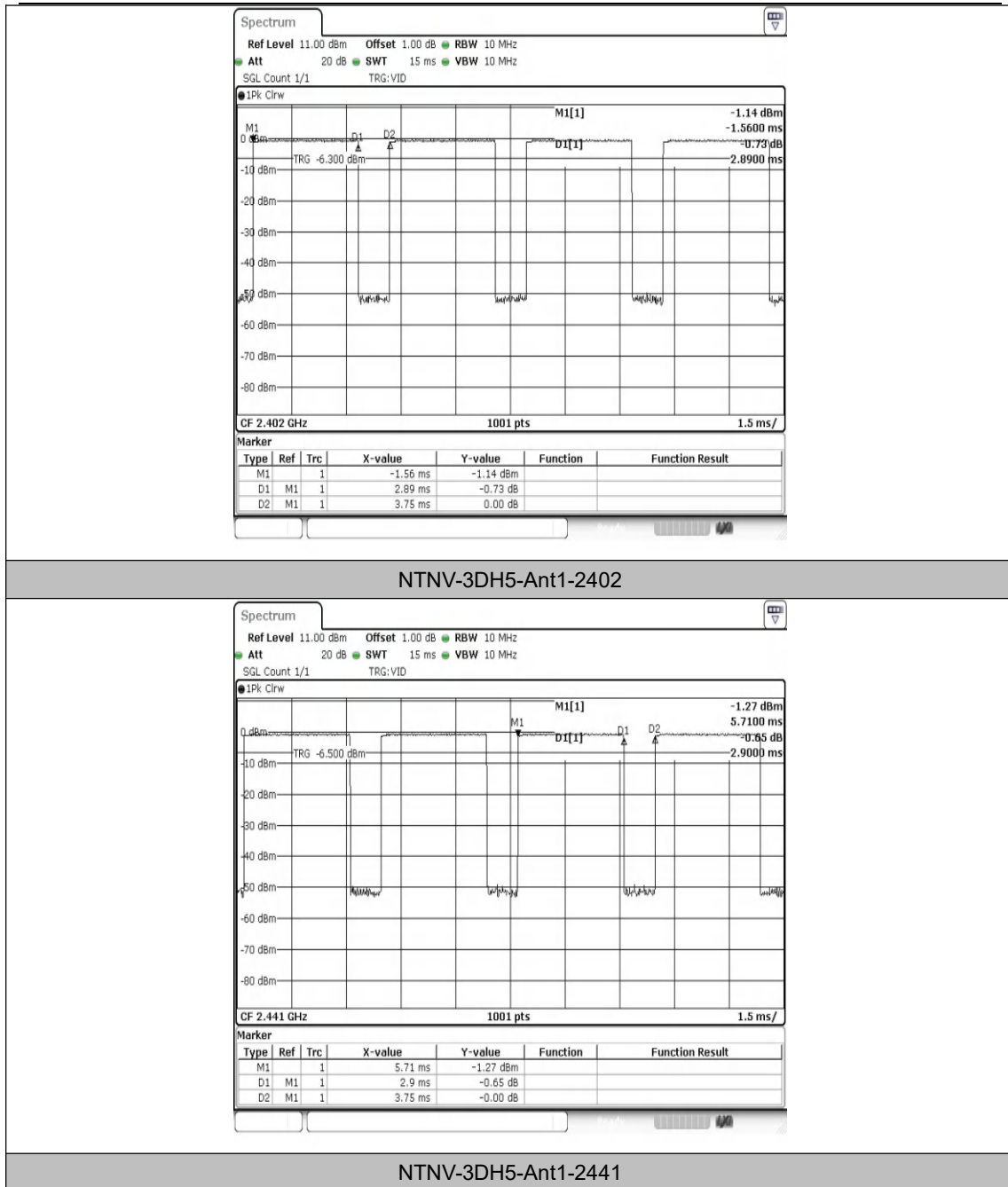


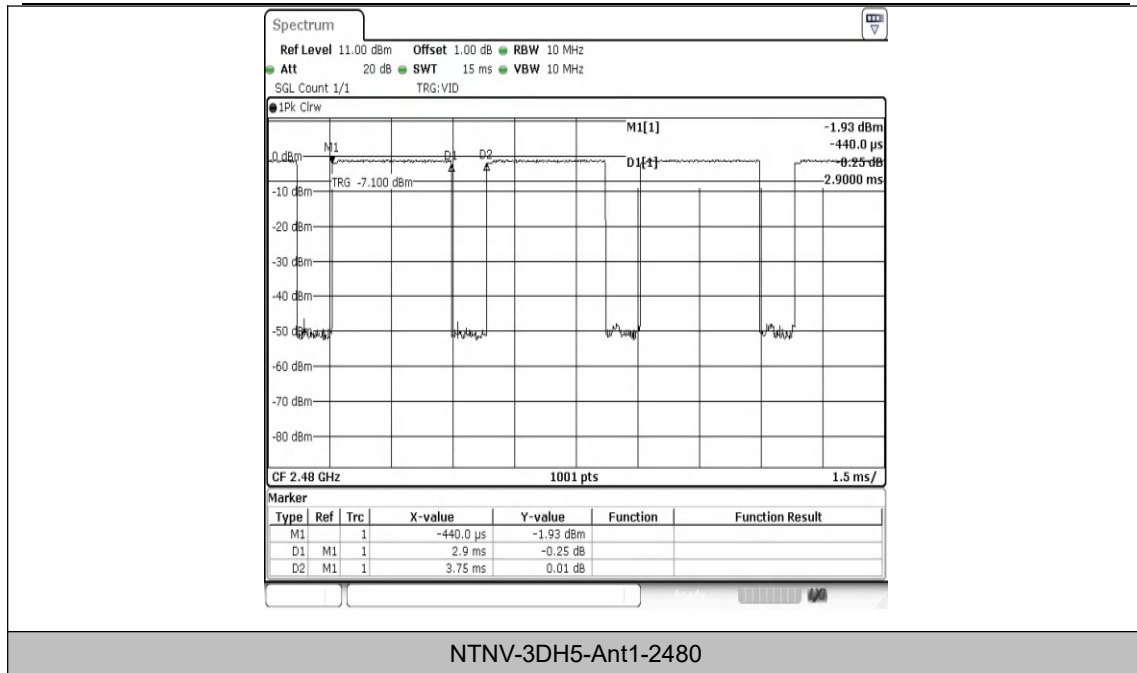
Test Graphs











---End---

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Tel:(86)0755-26066440 Email:service@anbotek.com



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www.anbotek.com