

Appendix Test Data

Report No:	1813C40144412501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.4	Finish Test Date:	2024.11.4
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.9°C	Relative Humidity:	57%
Pressure:	101 kPa		

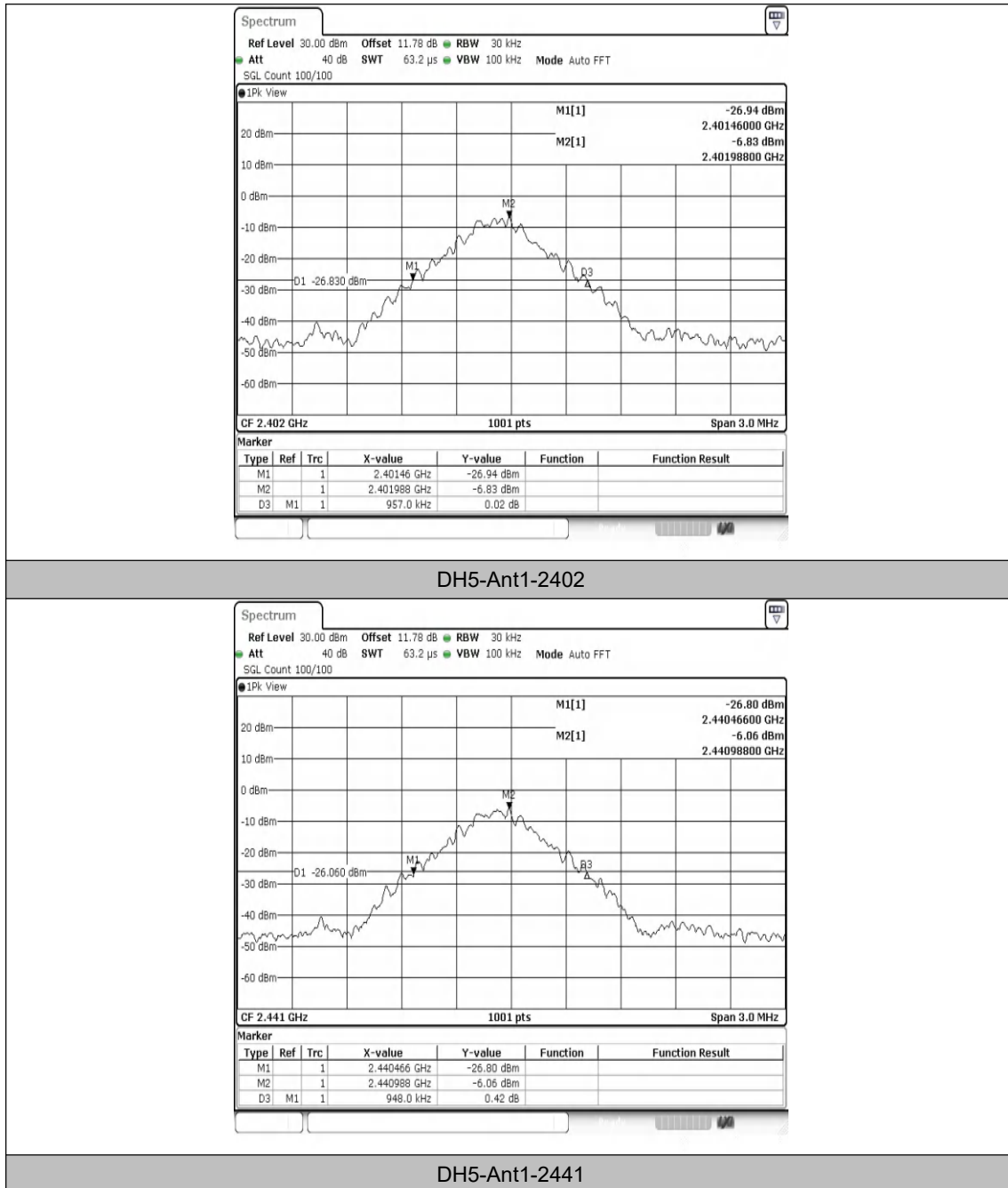
Appendix A: 20dB Emission Bandwidth

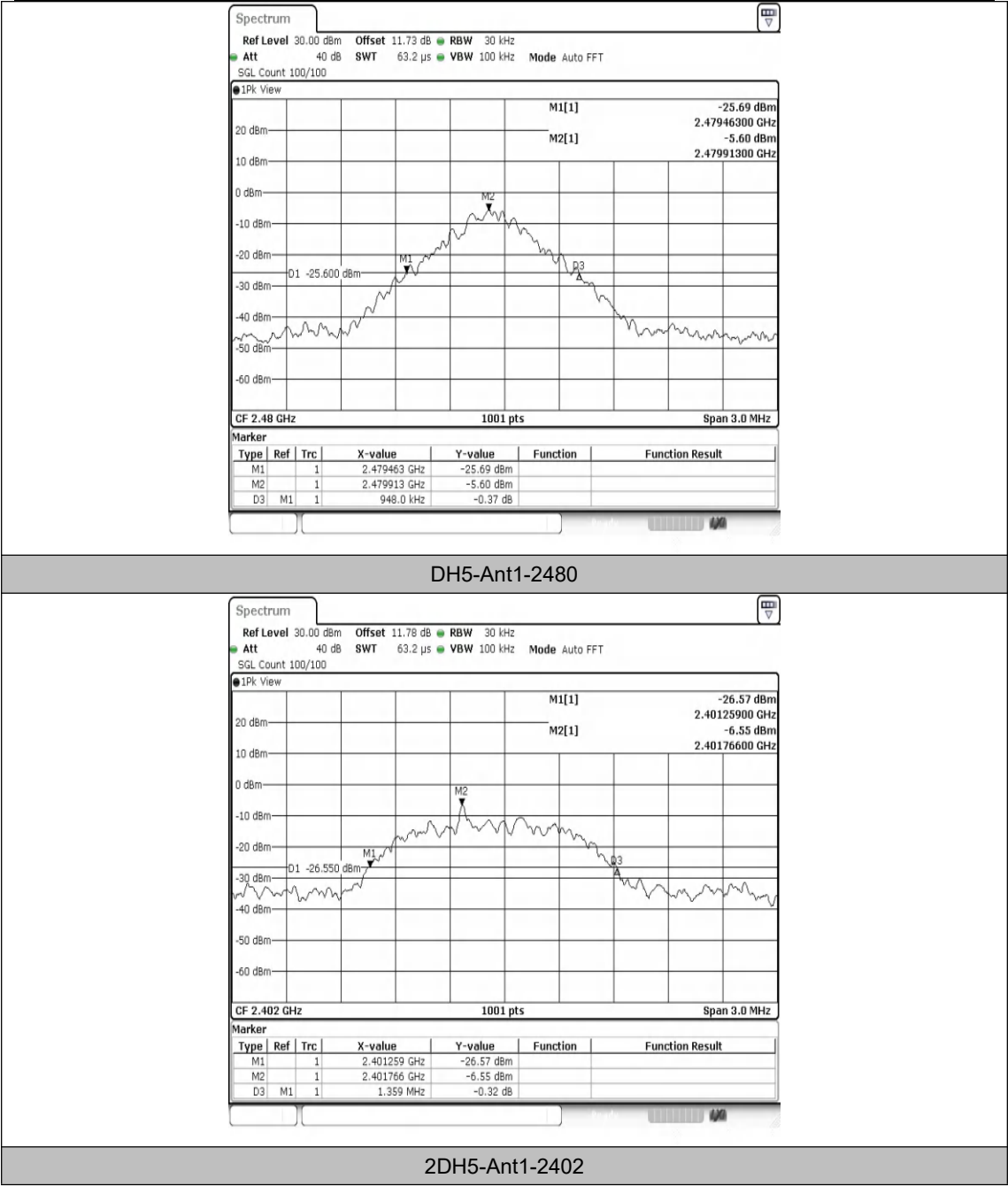
Test Result

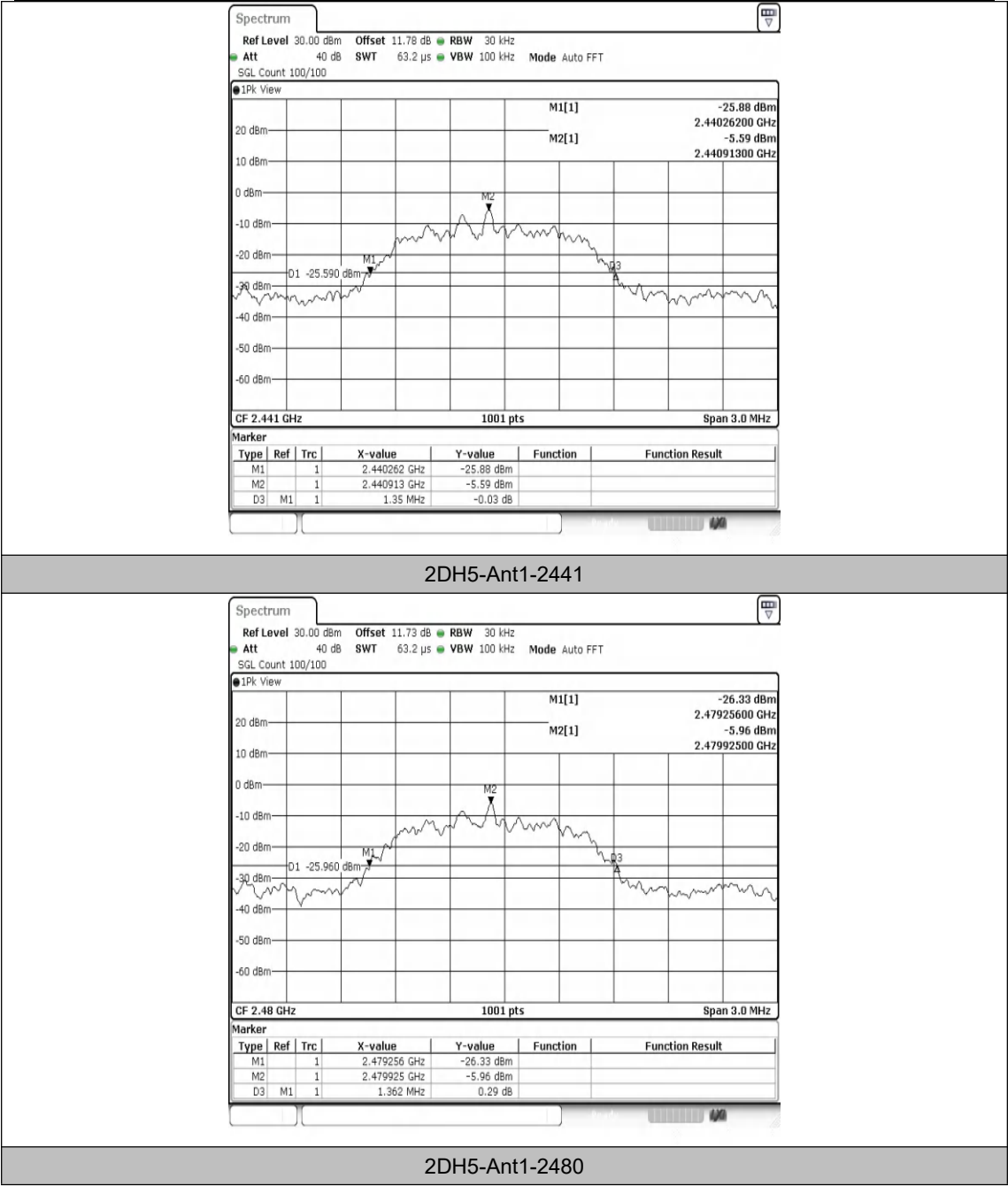
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.46	2402.42	---	---
DH5	Ant1	2441	0.95	2440.47	2441.41	---	---
DH5	Ant1	2480	0.95	2479.46	2480.41	---	---
2DH5	Ant1	2402	1.36	2401.26	2402.62	---	---
2DH5	Ant1	2441	1.35	2440.26	2441.61	---	---
2DH5	Ant1	2480	1.36	2479.26	2480.62	---	---
3DH5	Ant1	2402	1.37	2401.24	2402.61	---	---
3DH5	Ant1	2441	1.36	2440.24	2441.61	---	---
3DH5	Ant1	2480	1.38	2479.23	2480.61	---	---

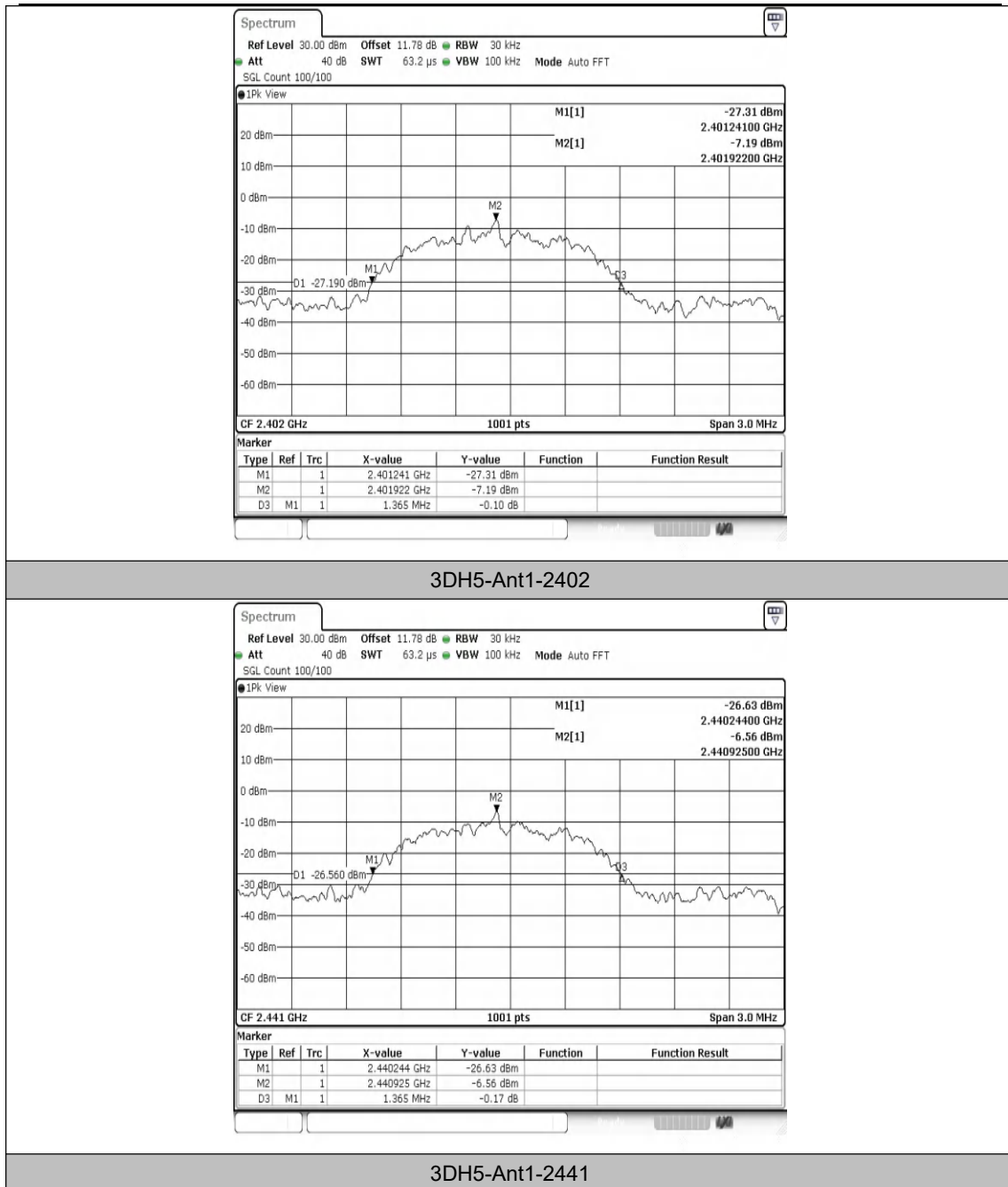


Test Graphs











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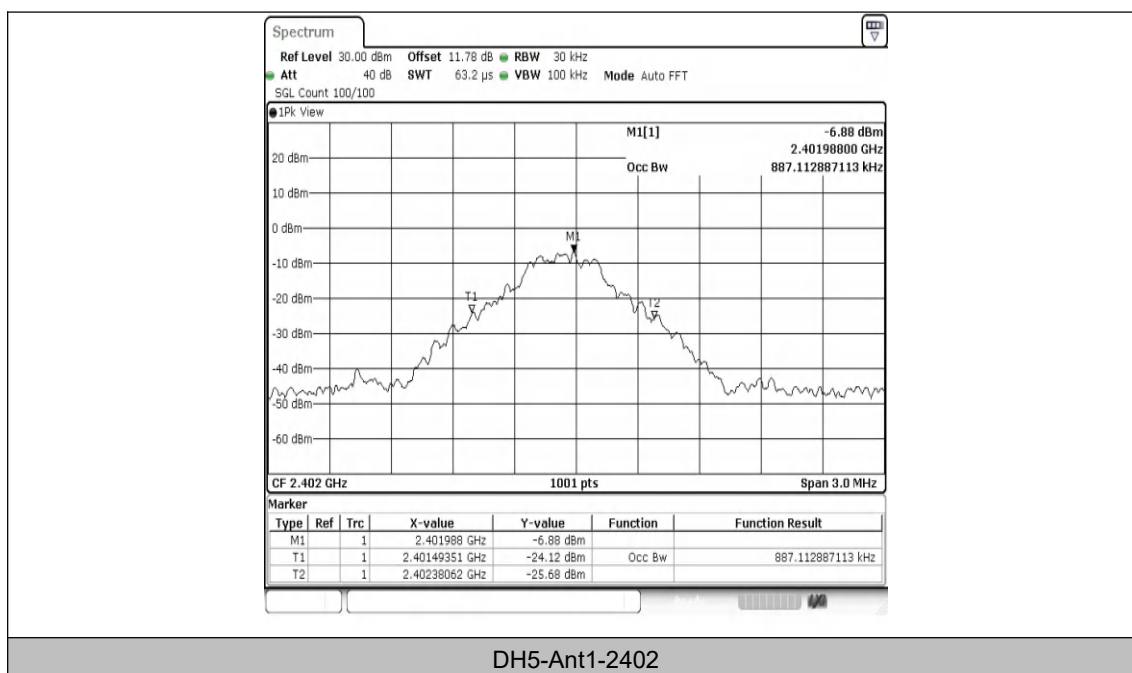


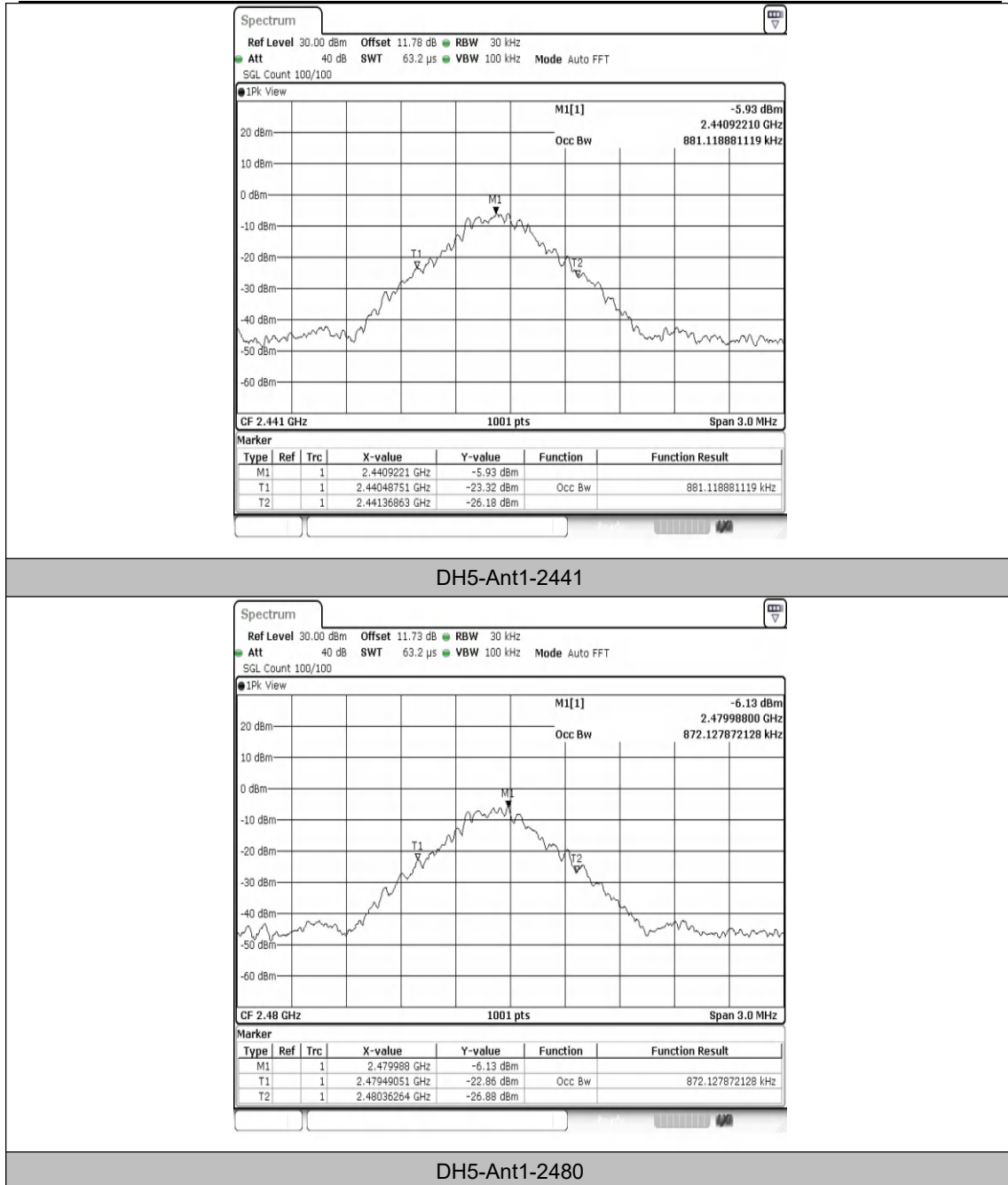
Appendix B: Occupied Channel Bandwidth

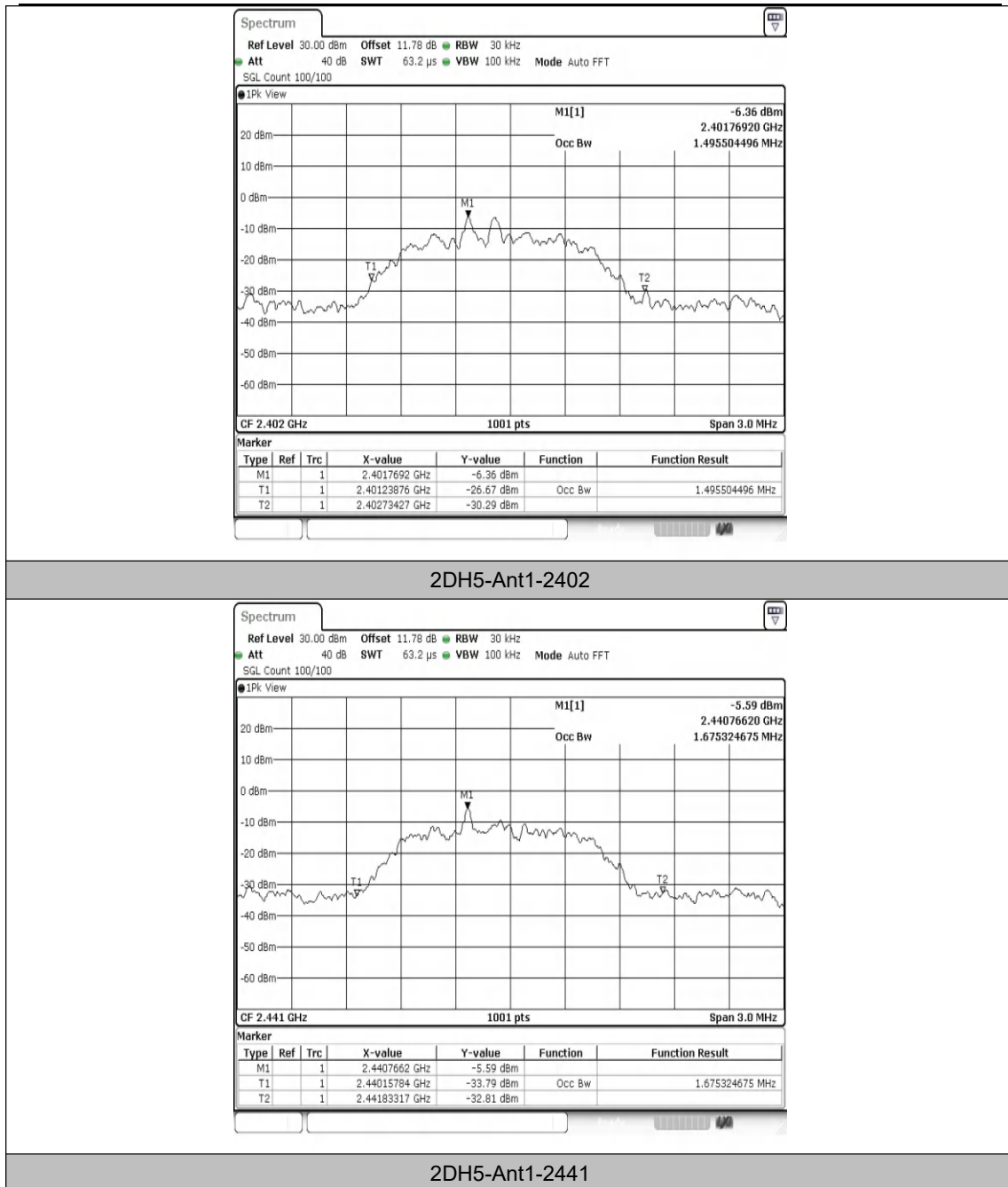
Test Result

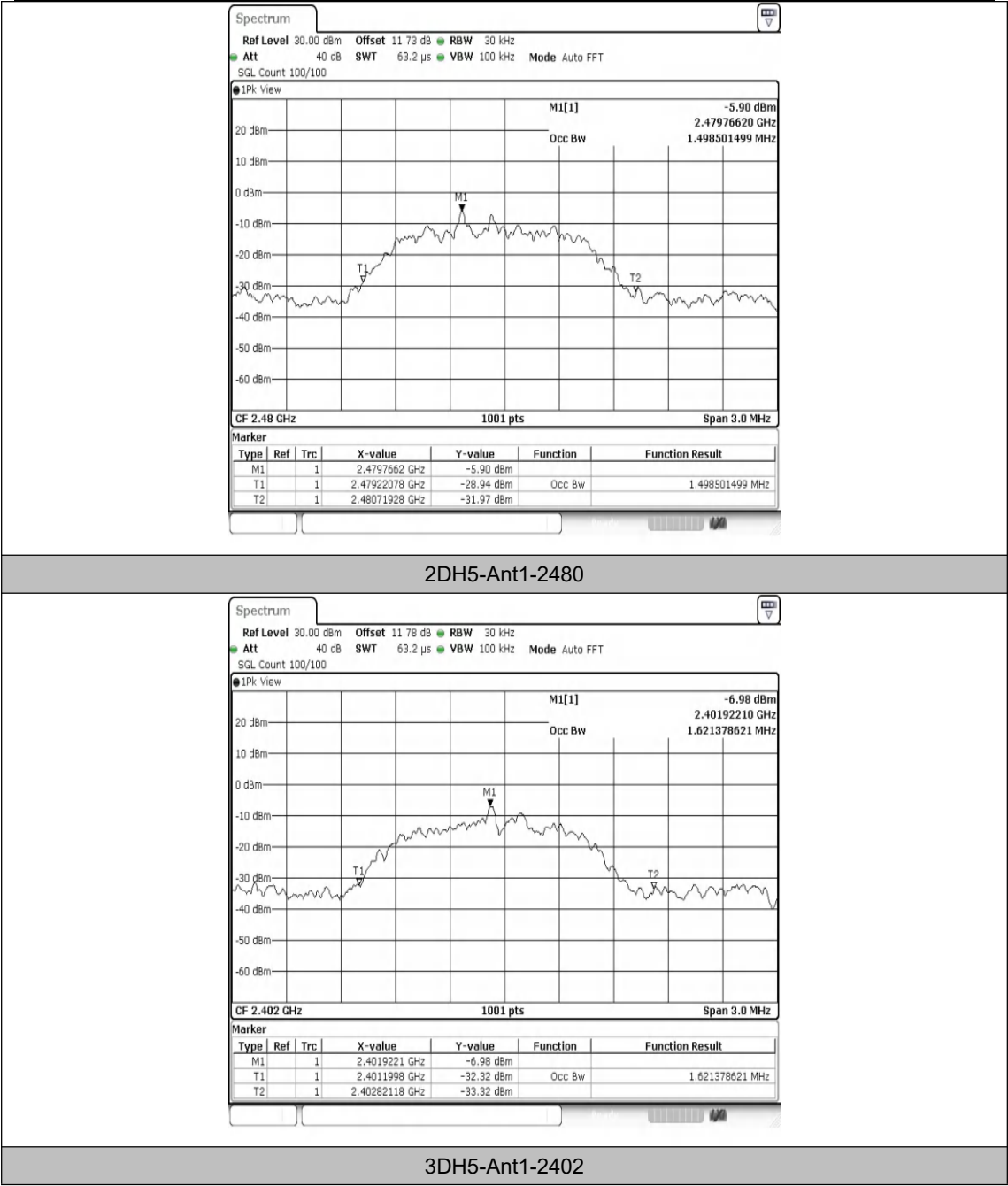
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.887	2401.4935	2402.3806	---	---
DH5	Ant1	2441	0.881	2440.4875	2441.3686	---	---
DH5	Ant1	2480	0.872	2479.4905	2480.3626	---	---
2DH5	Ant1	2402	1.496	2401.2388	2402.7343	---	---
2DH5	Ant1	2441	1.675	2440.1578	2441.8332	---	---
2DH5	Ant1	2480	1.499	2479.2208	2480.7193	---	---
3DH5	Ant1	2402	1.621	2401.1998	2402.8212	---	---
3DH5	Ant1	2441	1.576	2440.1998	2441.7762	---	---
3DH5	Ant1	2480	1.543	2479.1878	2480.7313	---	---

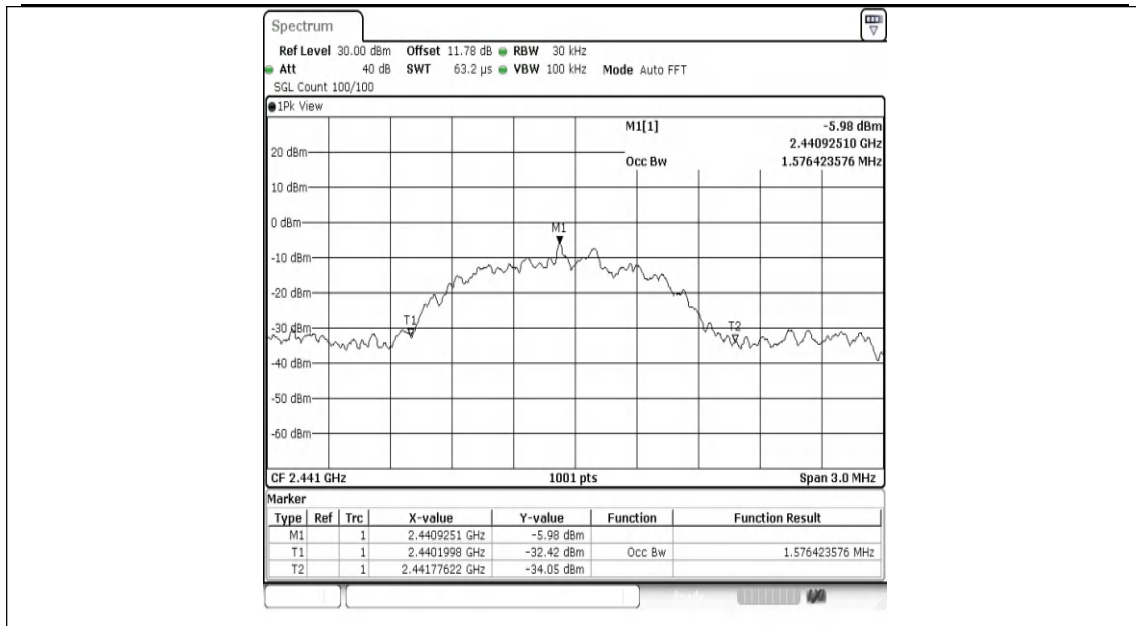
Test Graphs



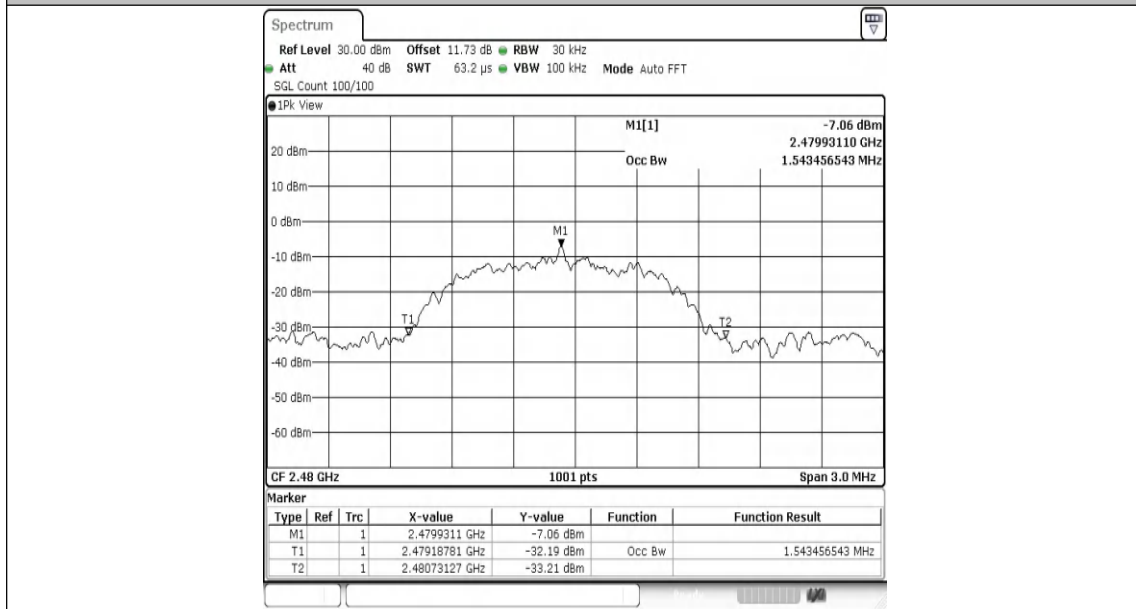








3DH5-Ant1-2441



3DH5-Ant1-2480

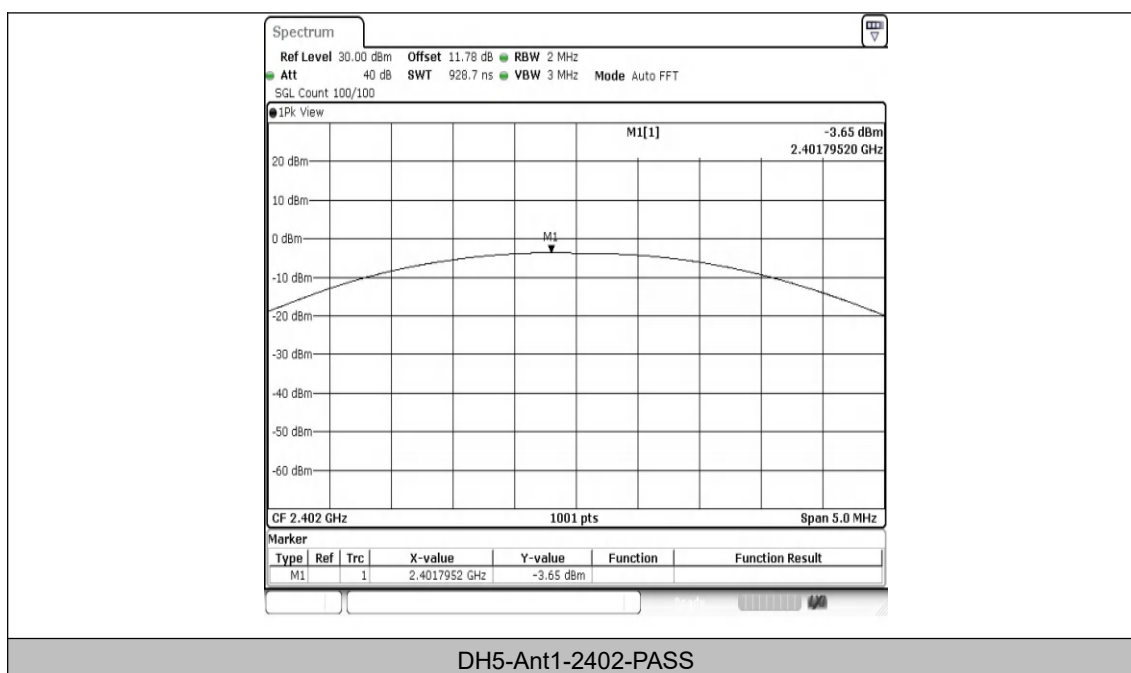


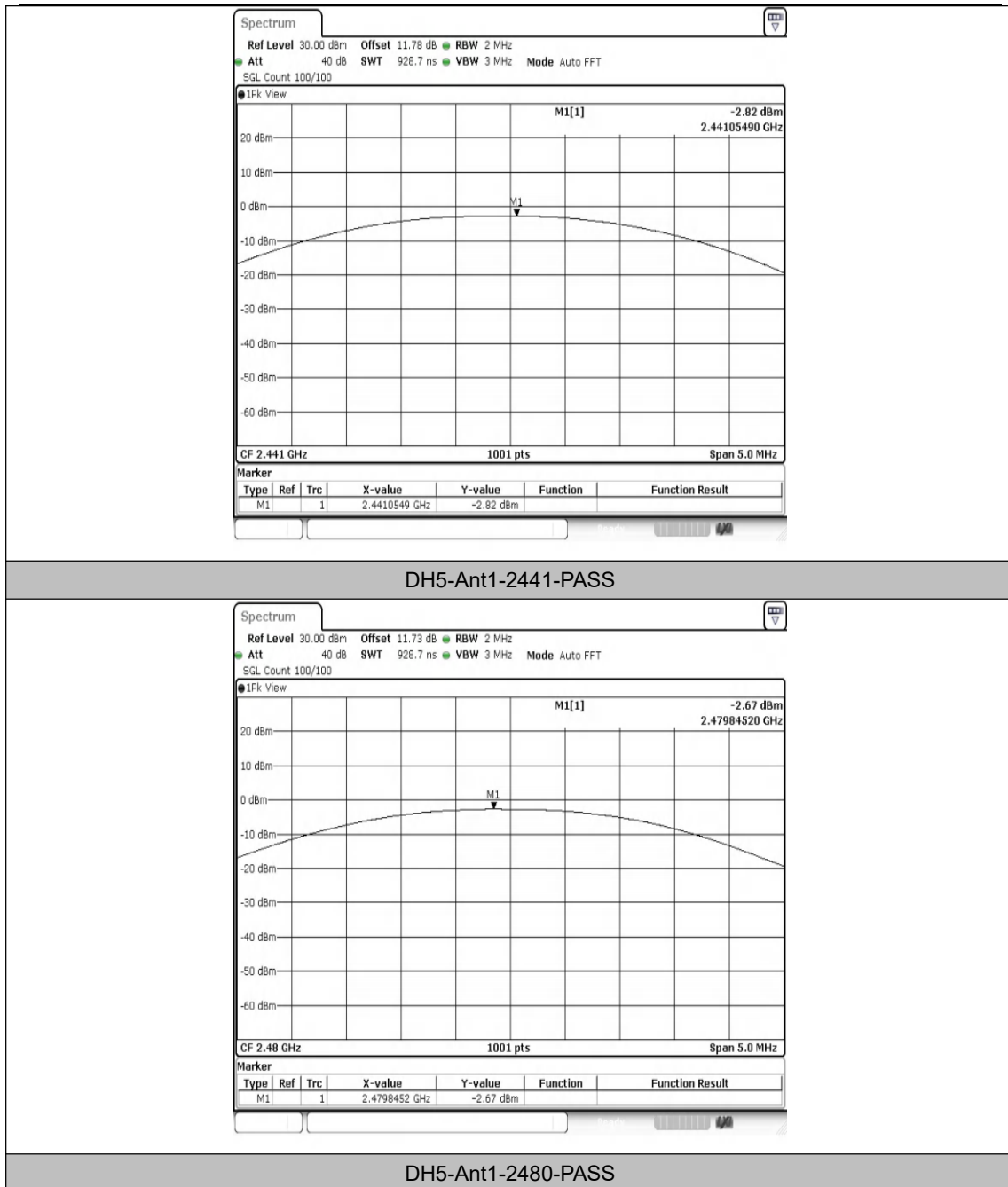
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.65	≤20.97	PASS
DH5	Ant1	2441	-2.82	≤20.97	PASS
DH5	Ant1	2480	-2.67	≤20.97	PASS
2DH5	Ant1	2402	-3.64	≤20.97	PASS
2DH5	Ant1	2441	-2.85	≤20.97	PASS
2DH5	Ant1	2480	-2.92	≤20.97	PASS
3DH5	Ant1	2402	-3.72	≤20.97	PASS
3DH5	Ant1	2441	-2.78	≤20.97	PASS
3DH5	Ant1	2480	-2.80	≤20.97	PASS

Test Graphs



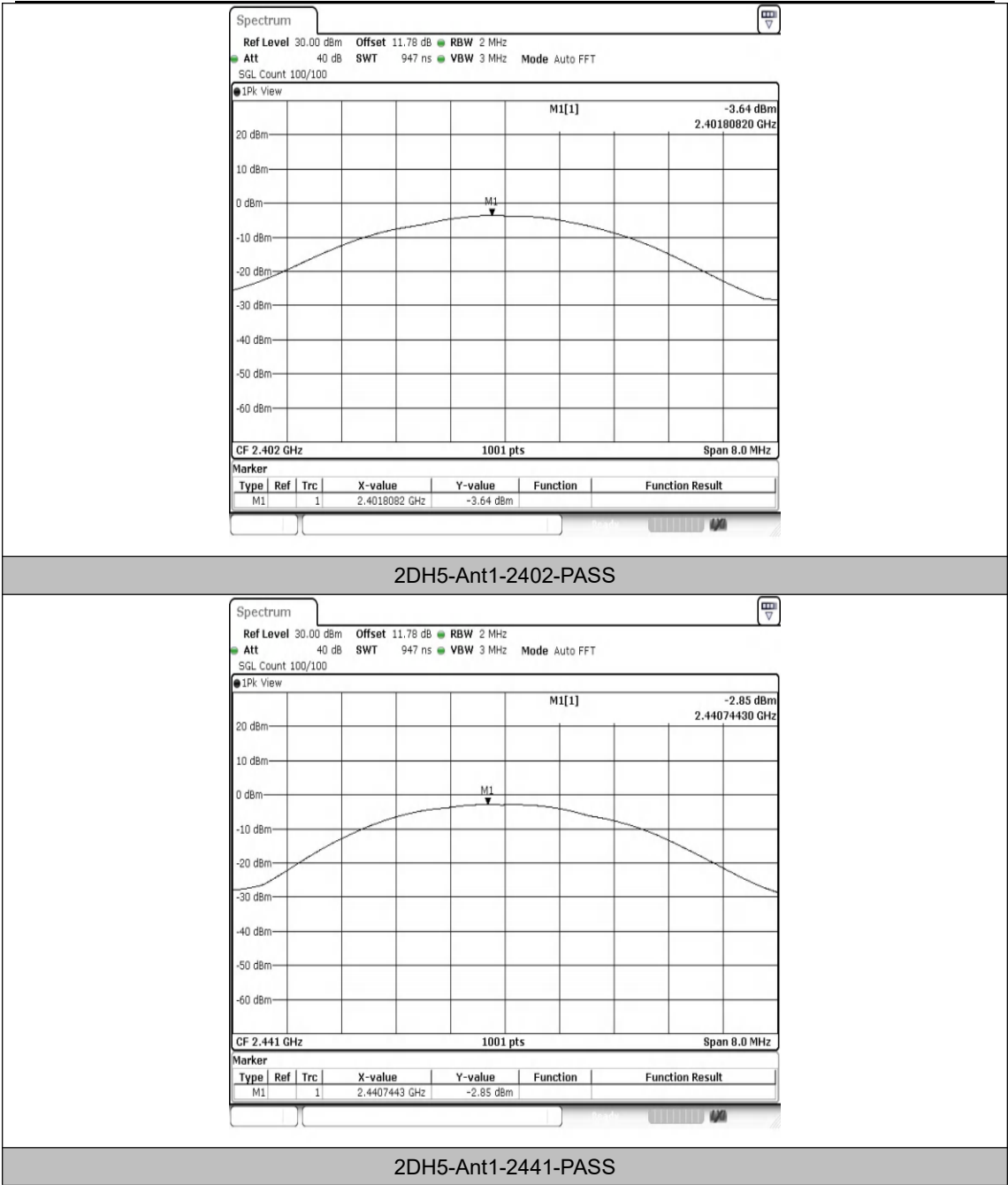


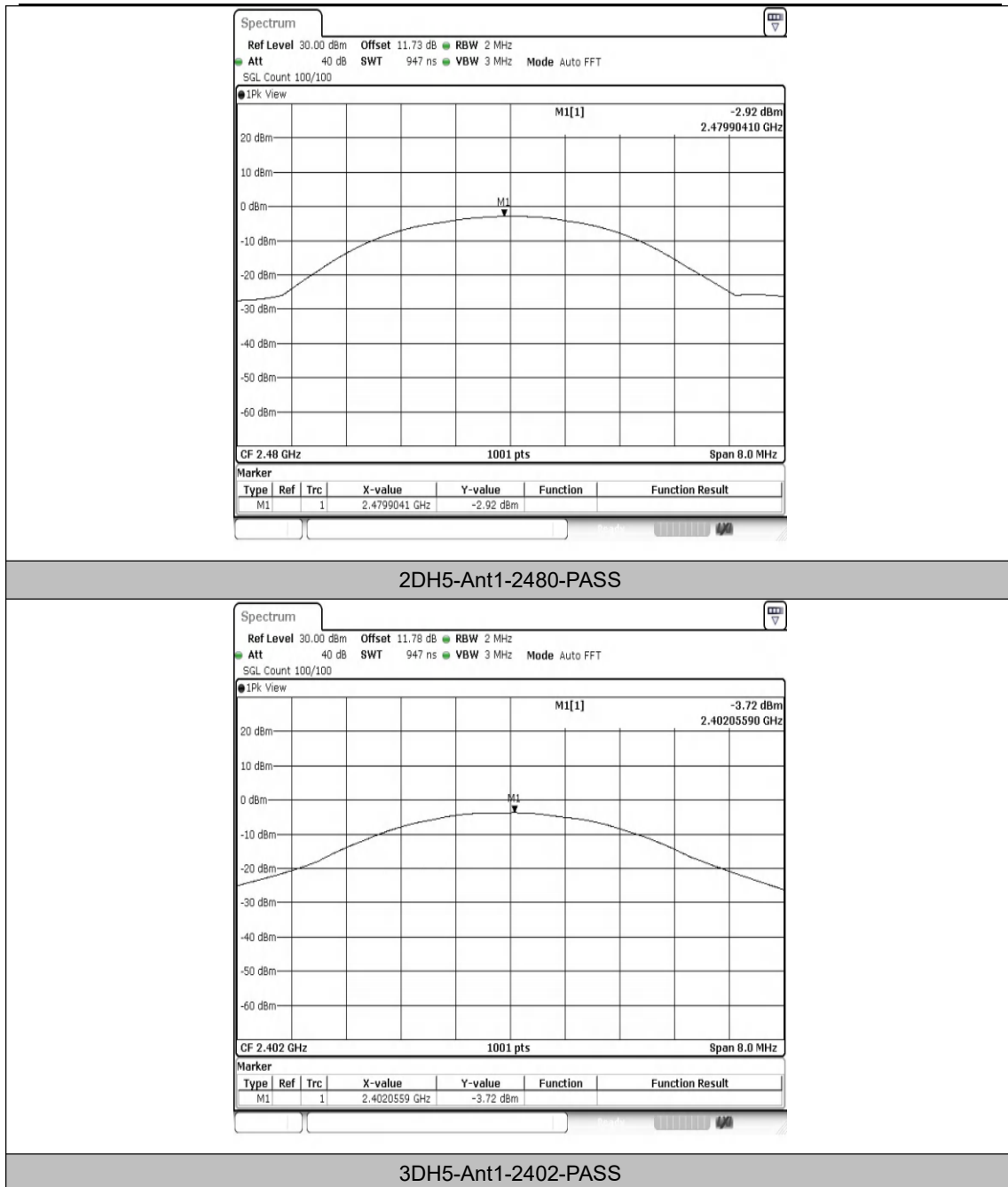
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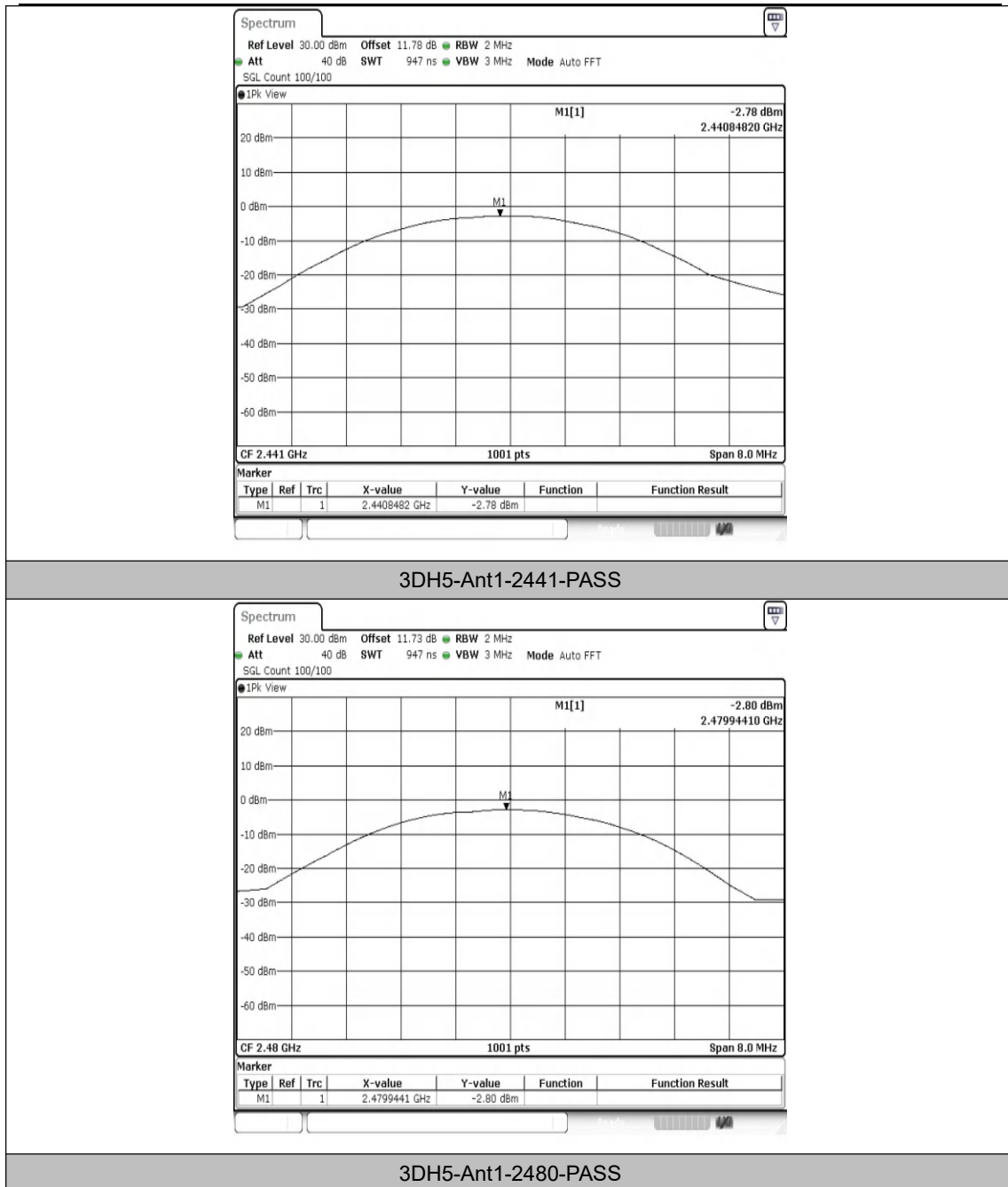
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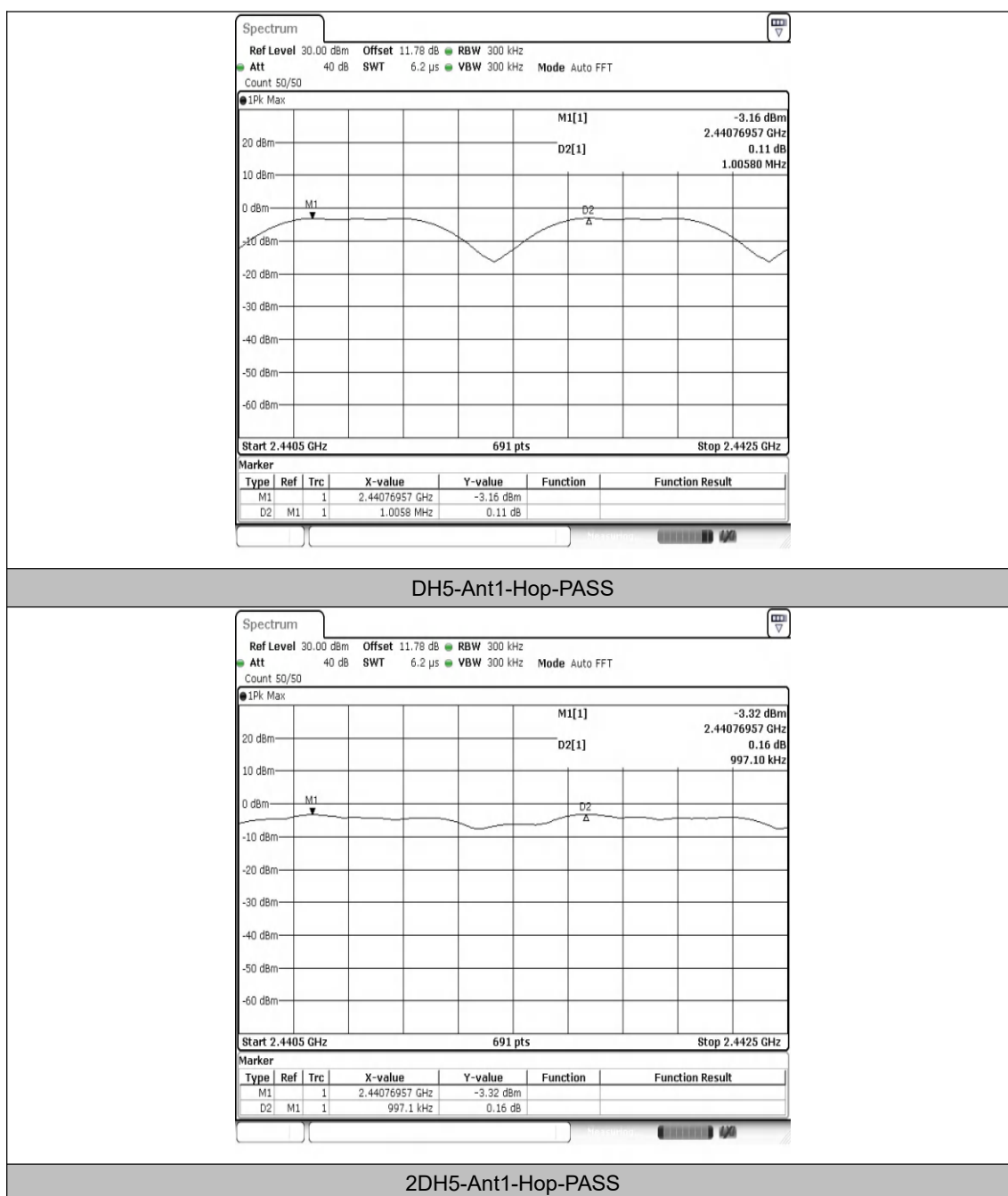


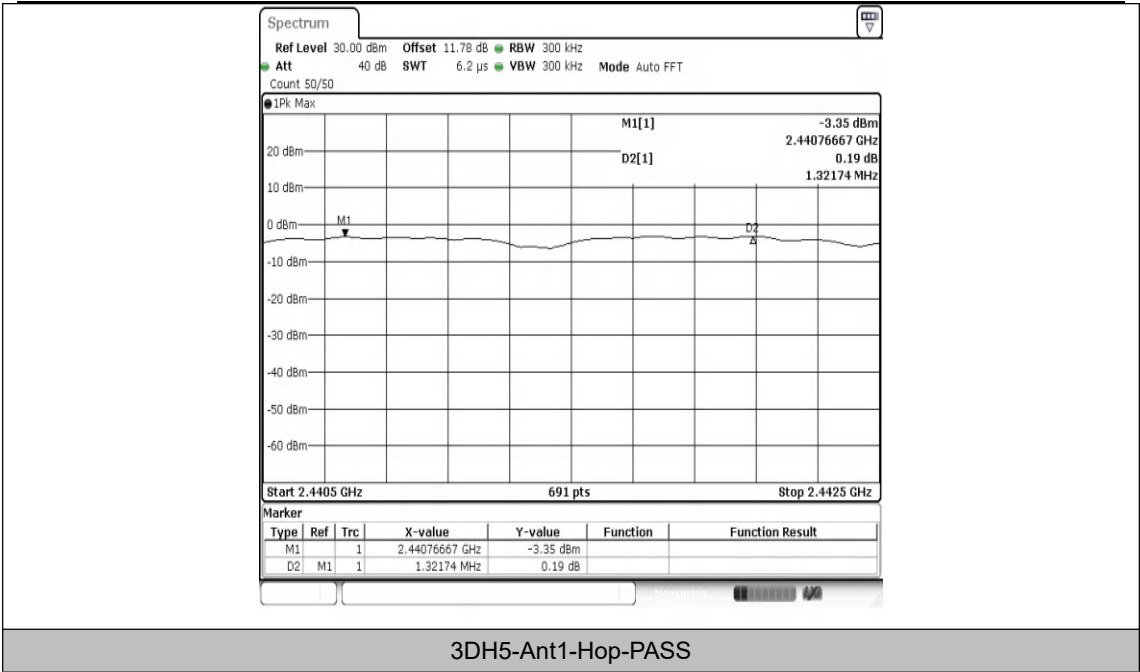
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.640	PASS
2DH5	Ant1	Hop	0.997	≥0.907	PASS
3DH5	Ant1	Hop	1.322	≥0.920	PASS

Test Graphs





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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.638	151	0.247	≤0.4	PASS
DH5	Ant1	Hop	2.887	103	0.297	≤0.4	PASS
2DH1	Ant1	Hop	0.391	321	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.644	151	0.248	≤0.4	PASS
2DH5	Ant1	Hop	2.892	109	0.315	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.643	160	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.893	105	0.304	≤0.4	PASS

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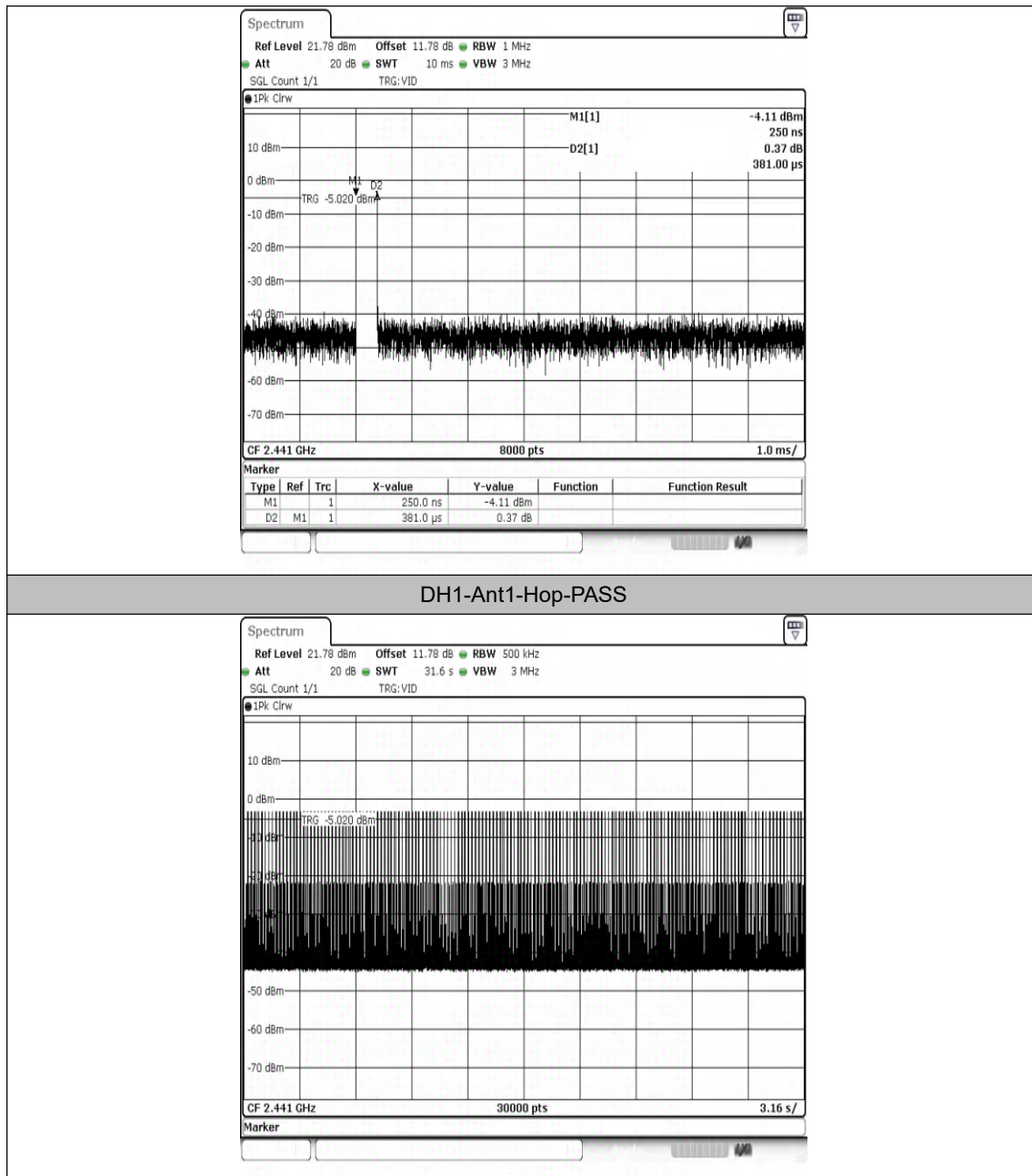
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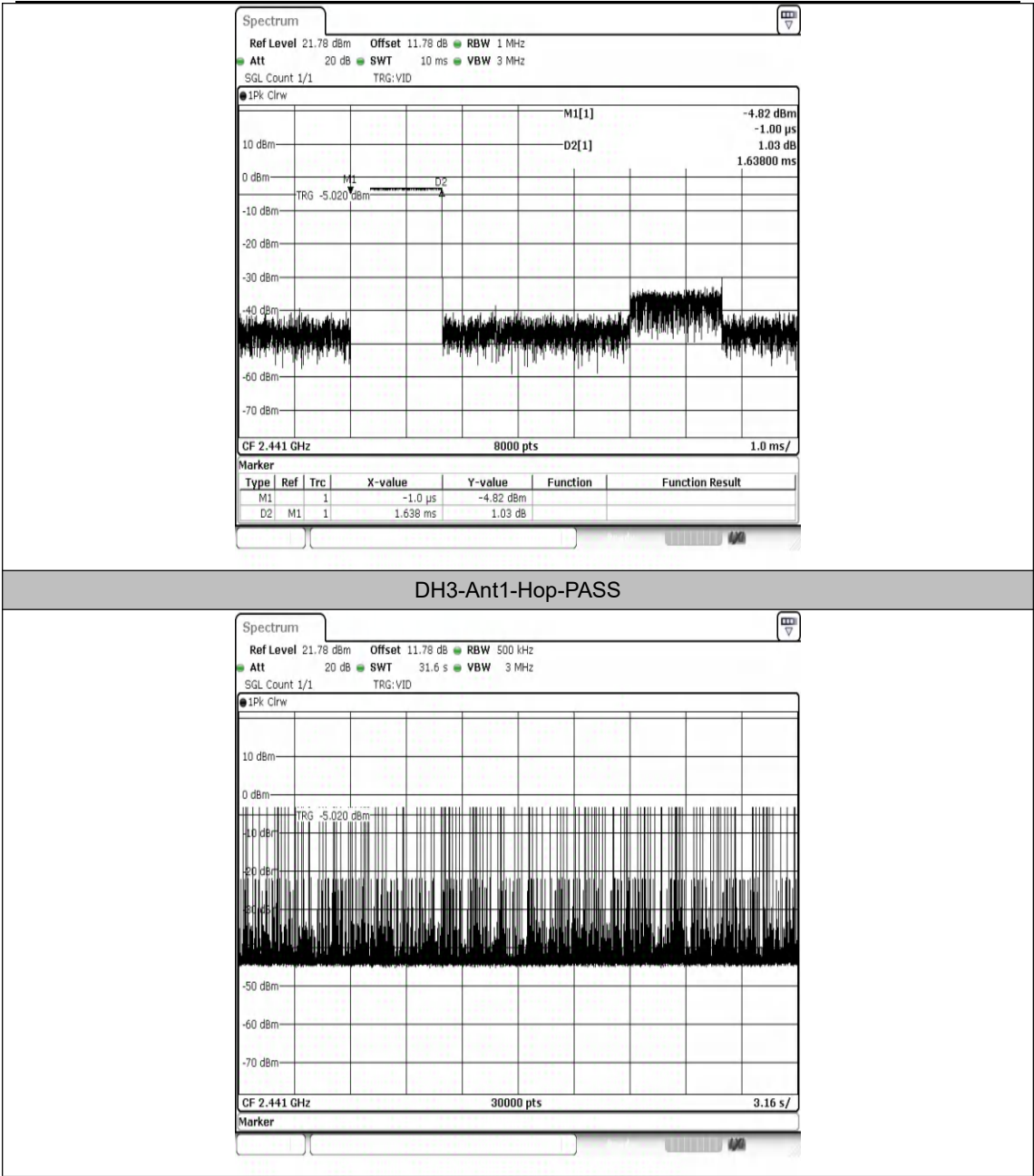


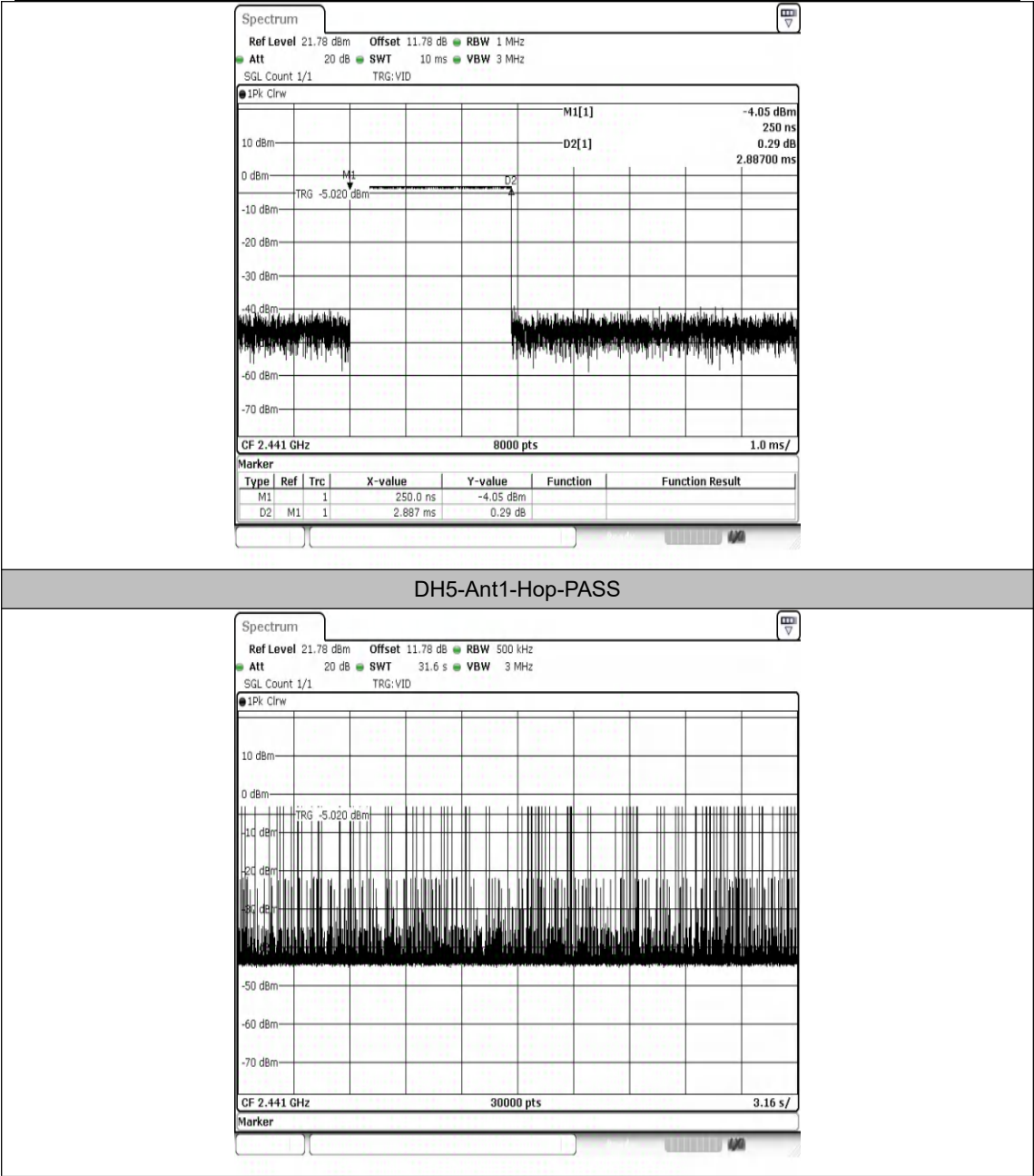
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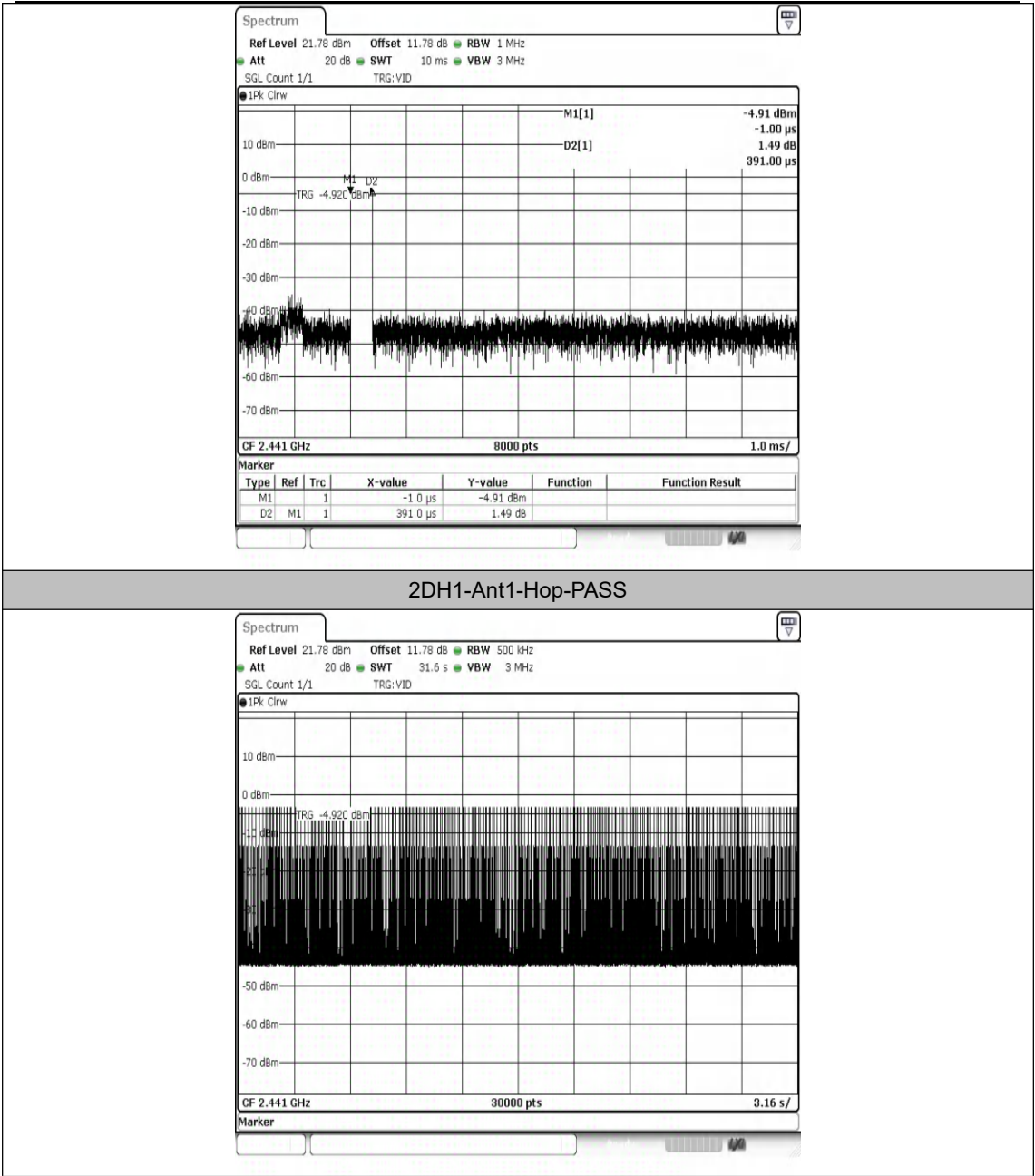
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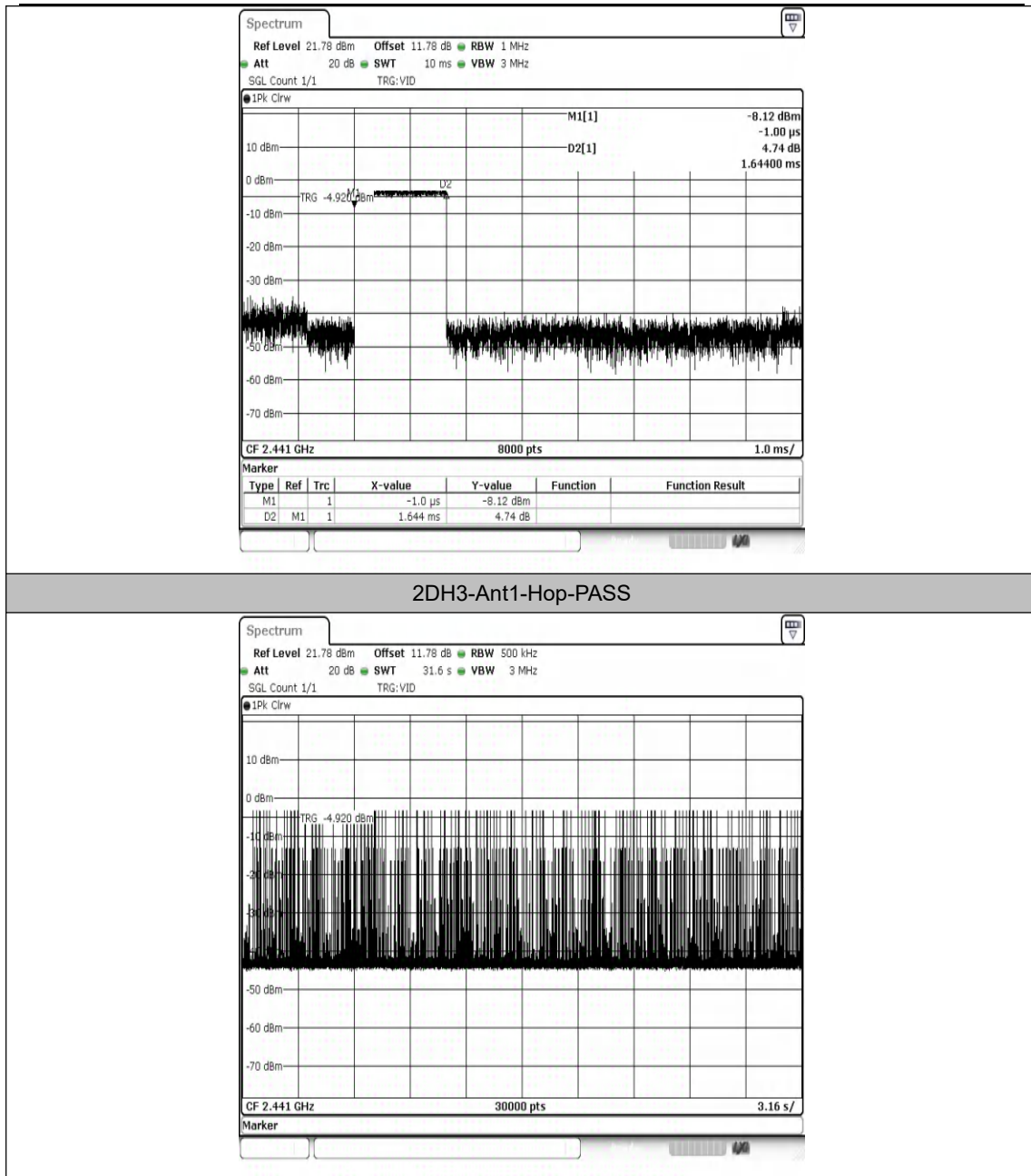
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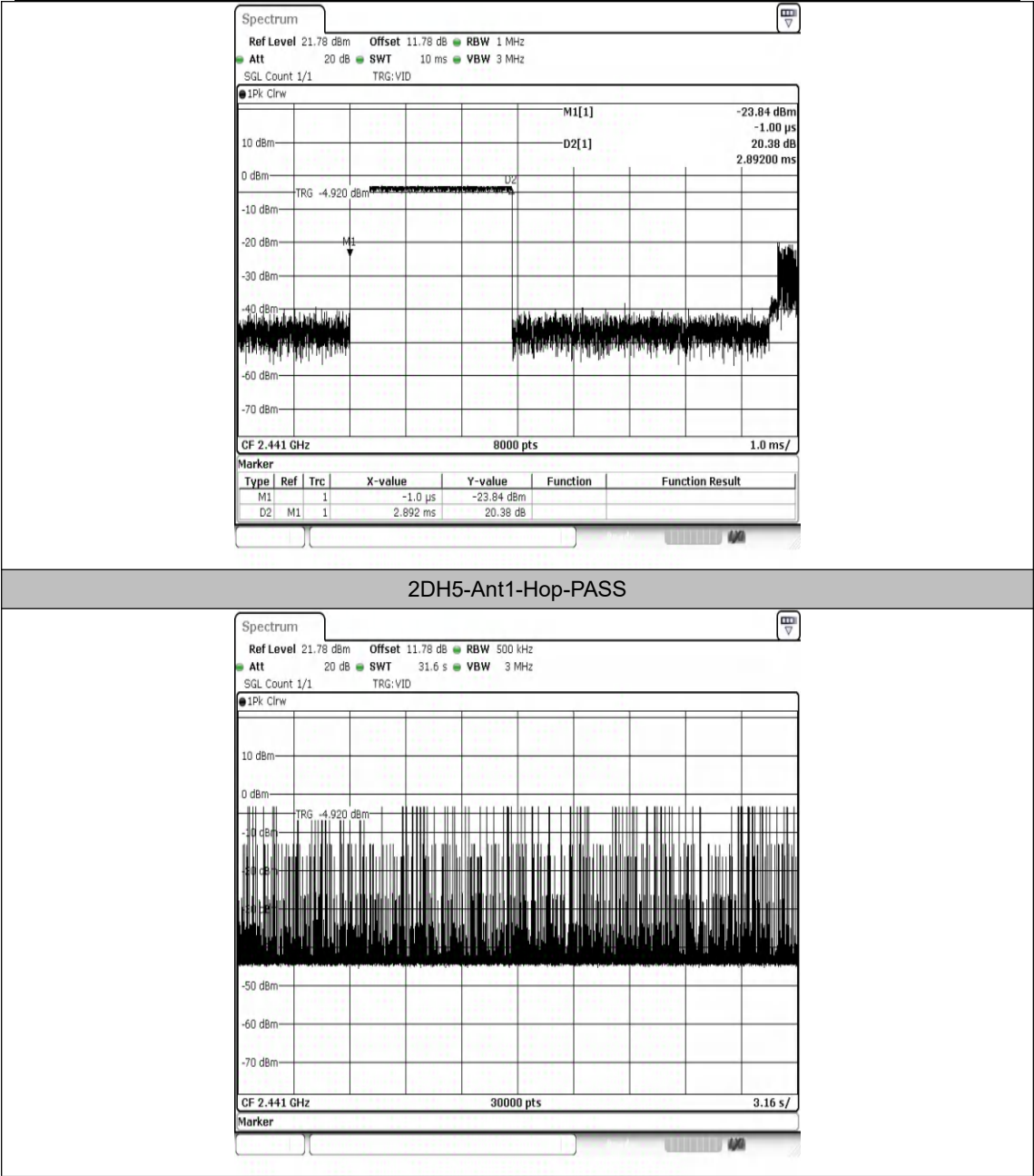


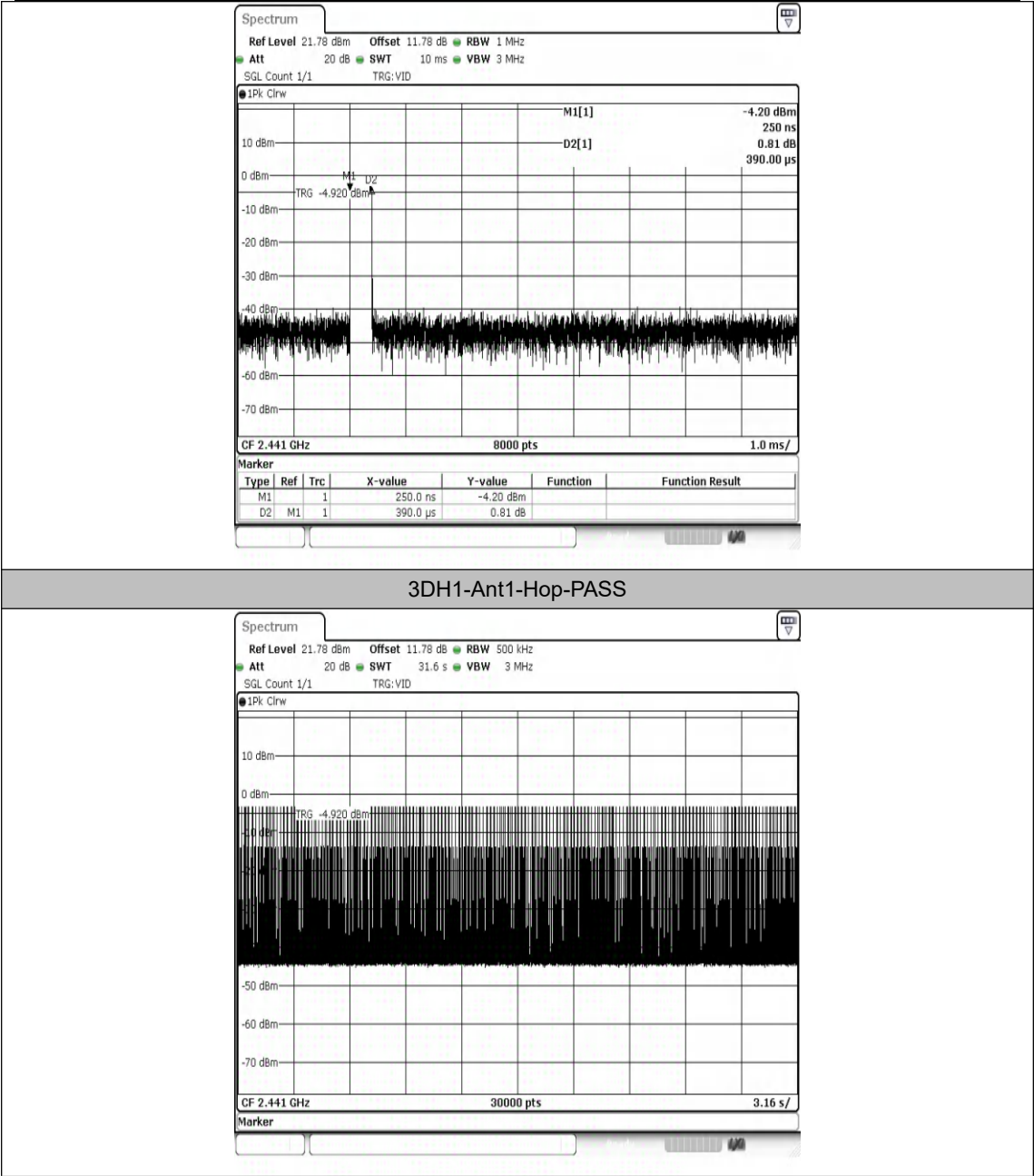
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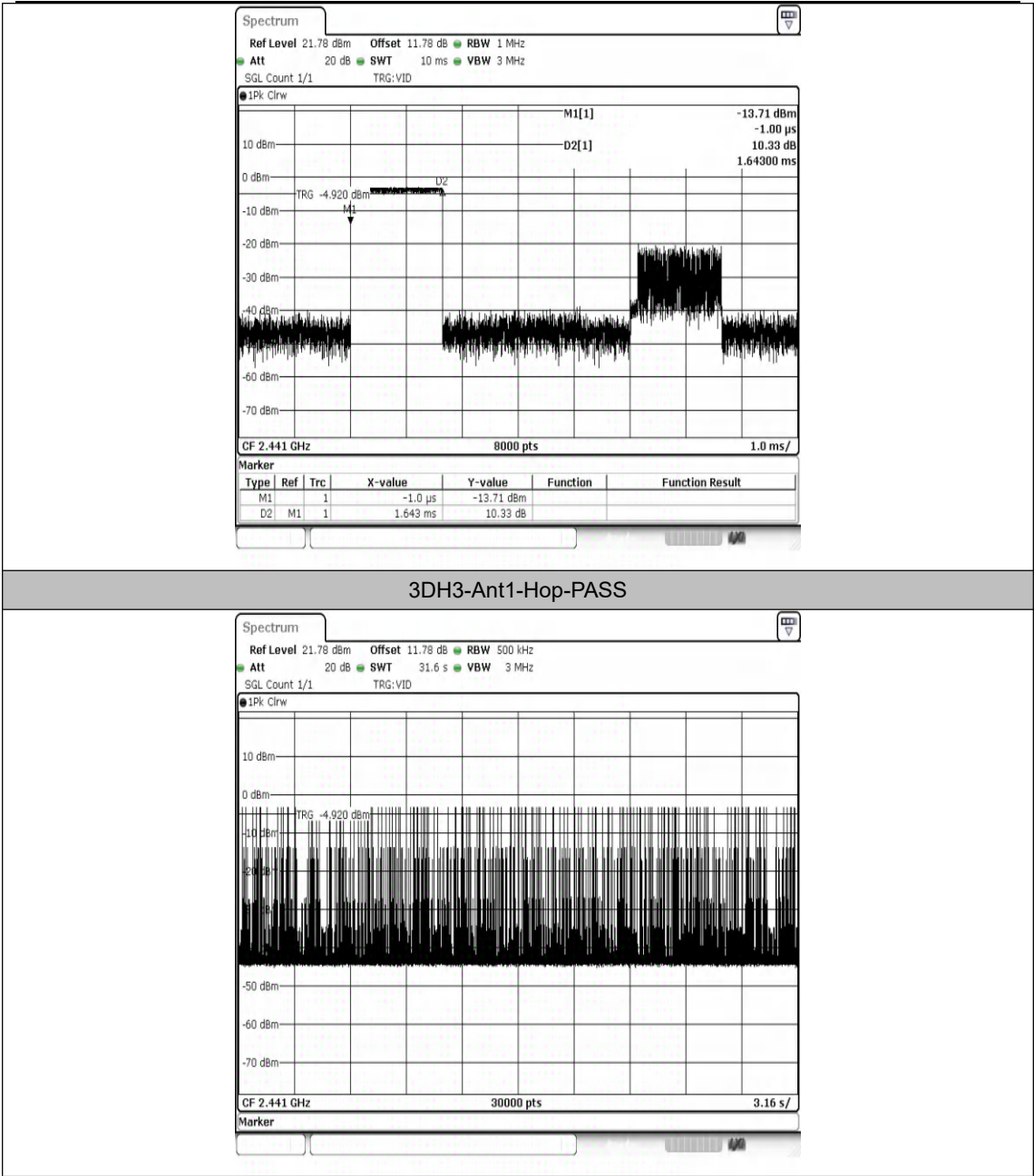
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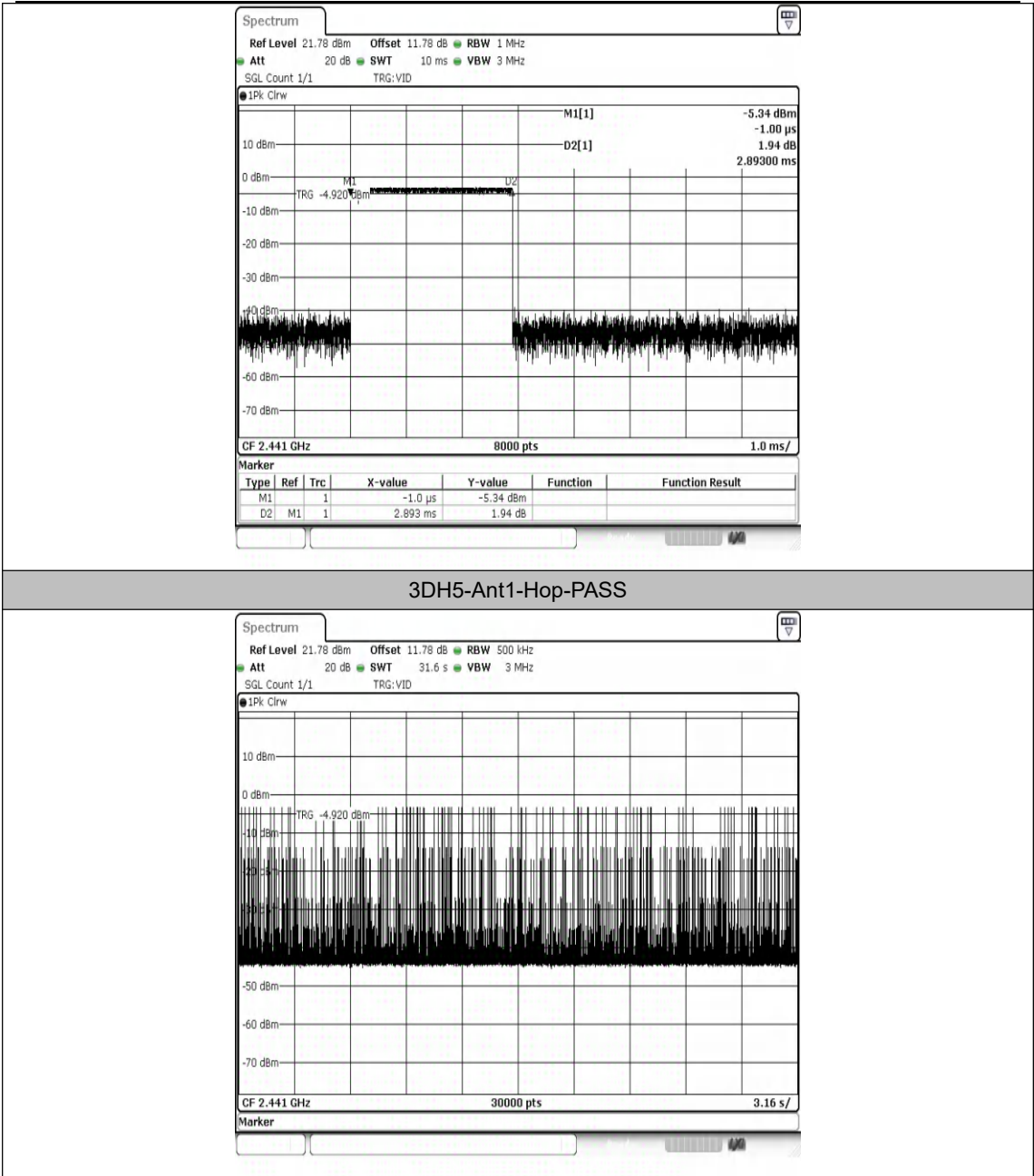
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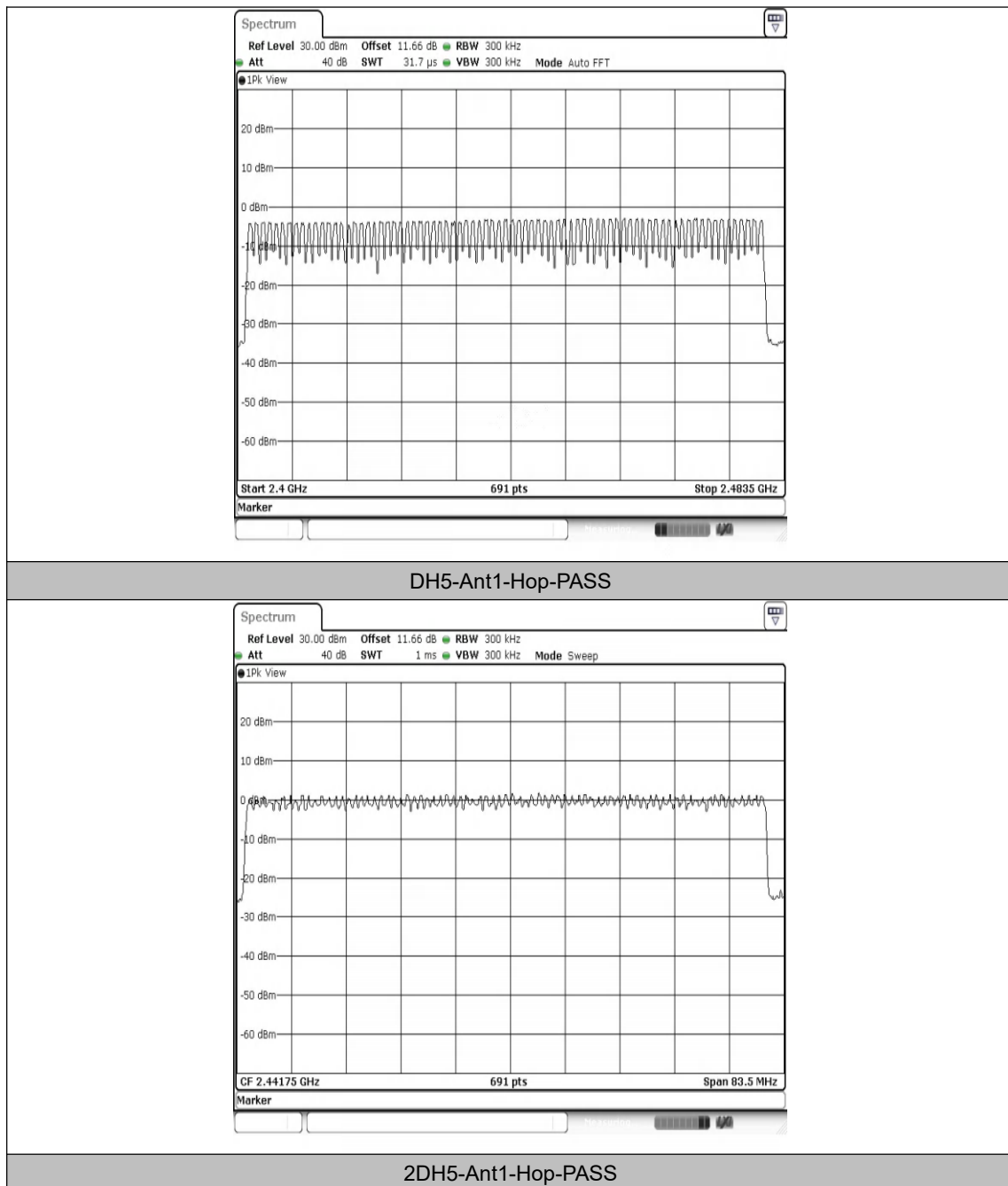


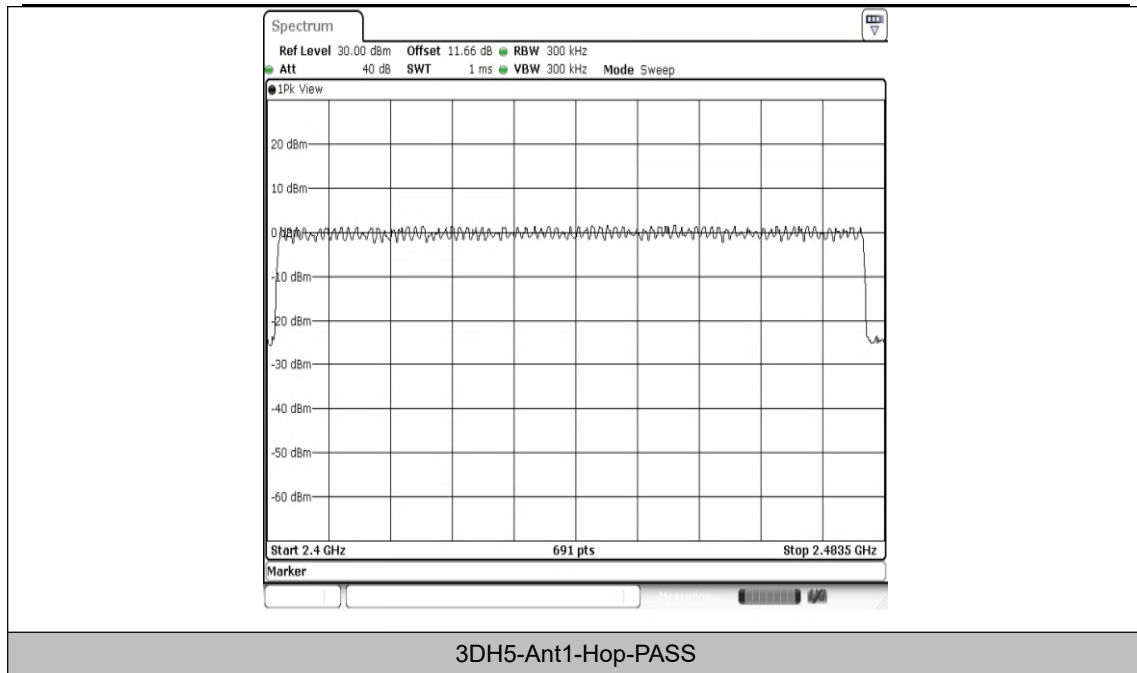
Appendix F: Number of hopping channels

Test Result

TestMode	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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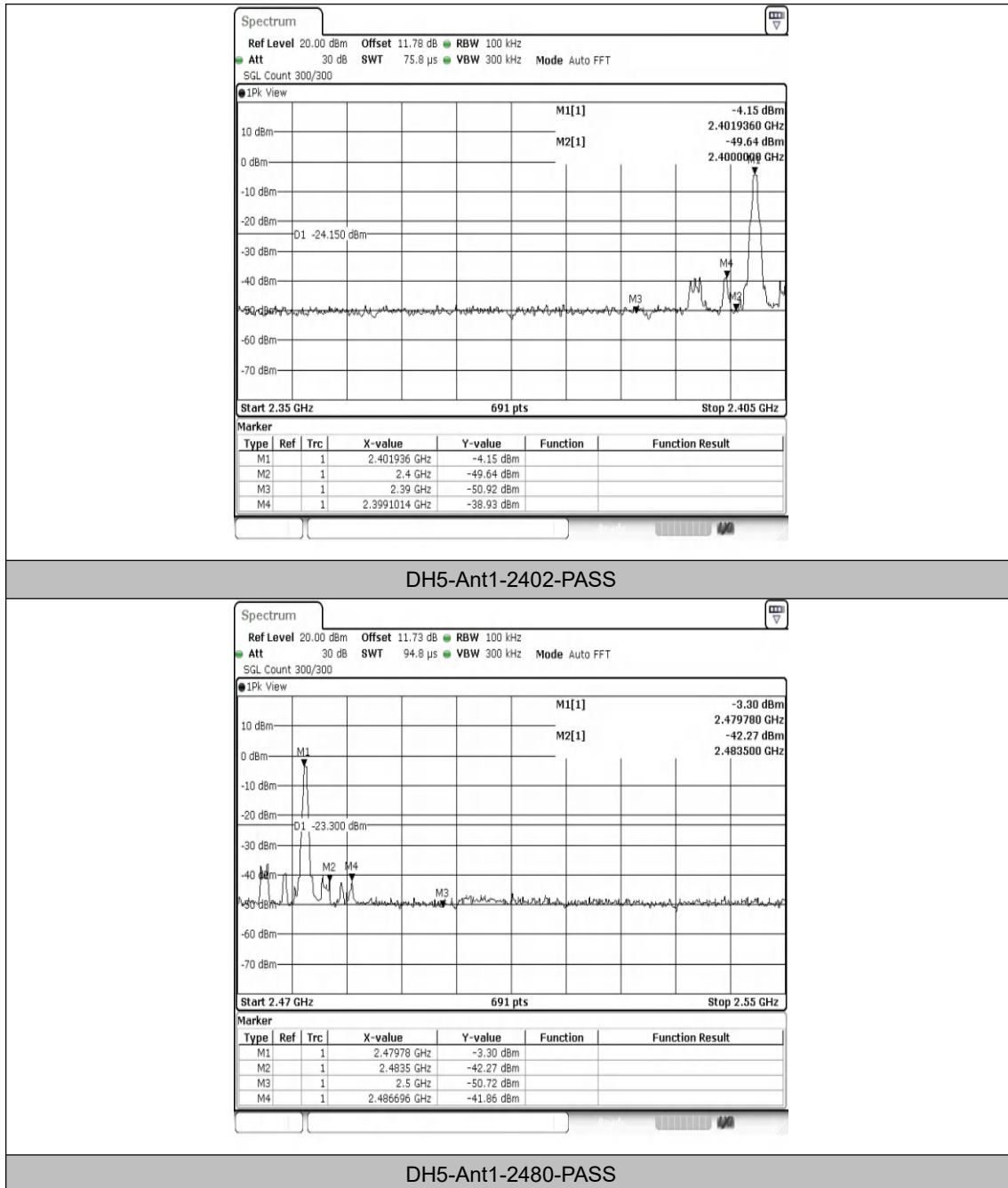
Appendix G: Band edge measurements

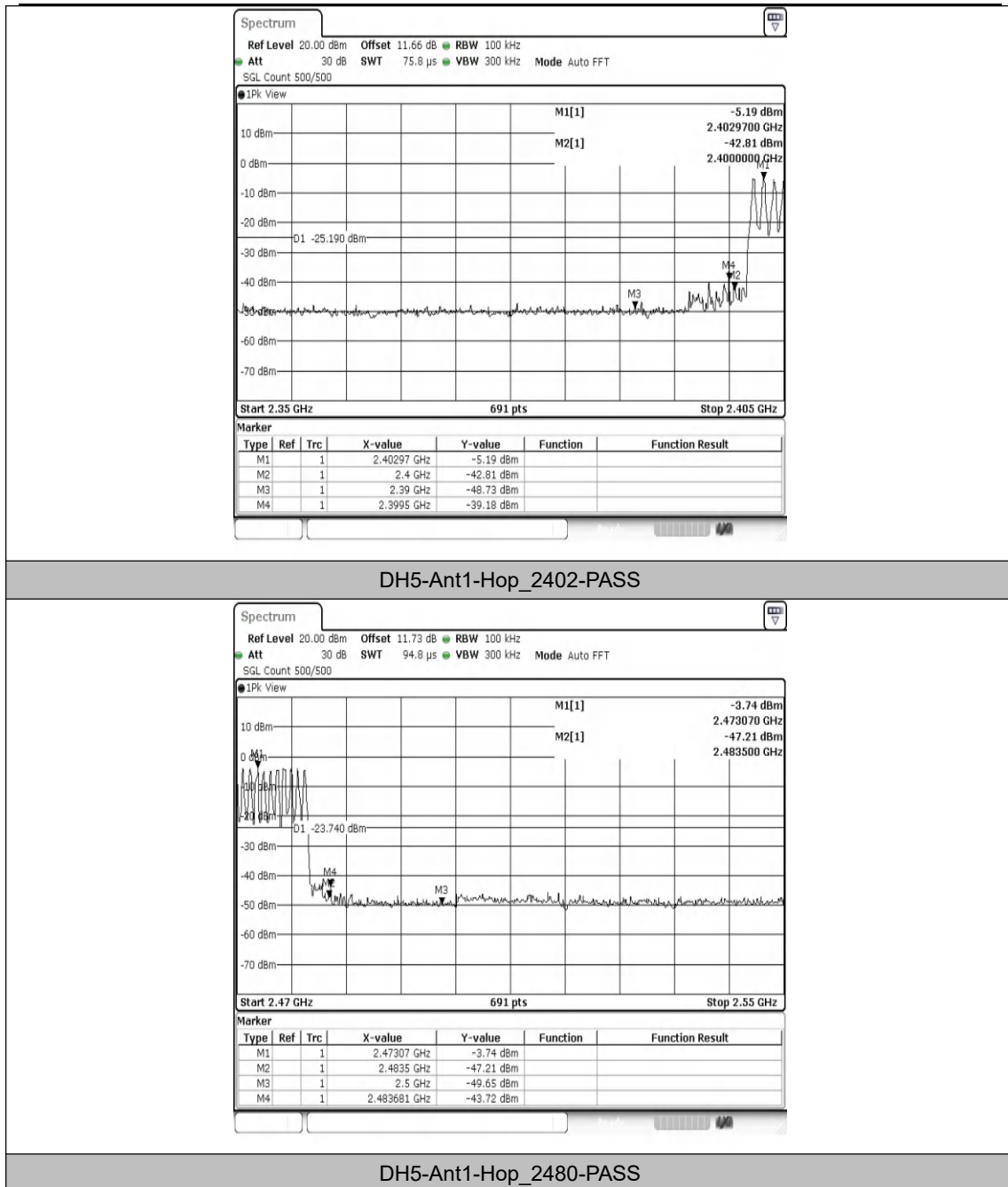
Test Result

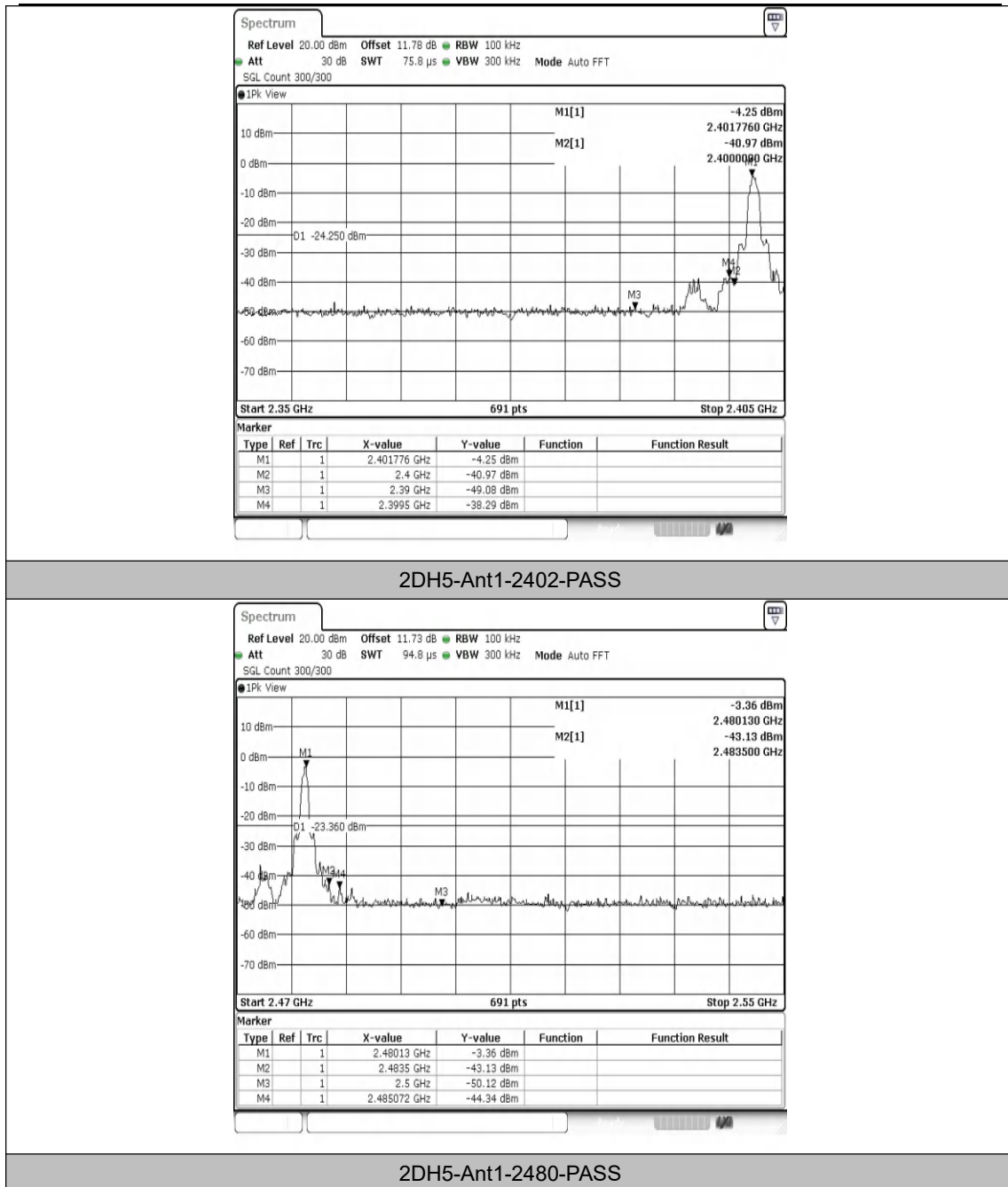
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.15	-38.93	≤-24.15	PASS
DH5	Ant1	High	2480	-3.30	-41.86	≤-23.3	PASS
DH5	Ant1	Low	Hop_2402	-5.19	-39.18	≤-25.19	PASS
DH5	Ant1	High	Hop_2480	-3.74	-43.72	≤-23.74	PASS
2DH5	Ant1	Low	2402	-4.25	-38.29	≤-24.25	PASS
2DH5	Ant1	High	2480	-3.36	-44.34	≤-23.36	PASS
2DH5	Ant1	Low	Hop_2402	-6.80	-40.75	≤-26.8	PASS
2DH5	Ant1	High	Hop_2480	-3.30	-45.24	≤-23.3	PASS
3DH5	Ant1	Low	2402	-4.07	-36.85	≤-24.07	PASS
3DH5	Ant1	High	2480	-3.30	-42.6	≤-23.3	PASS
3DH5	Ant1	Low	Hop_2402	-6.36	-42.37	≤-26.36	PASS
3DH5	Ant1	High	Hop_2480	-4.97	-45.61	≤-24.97	PASS

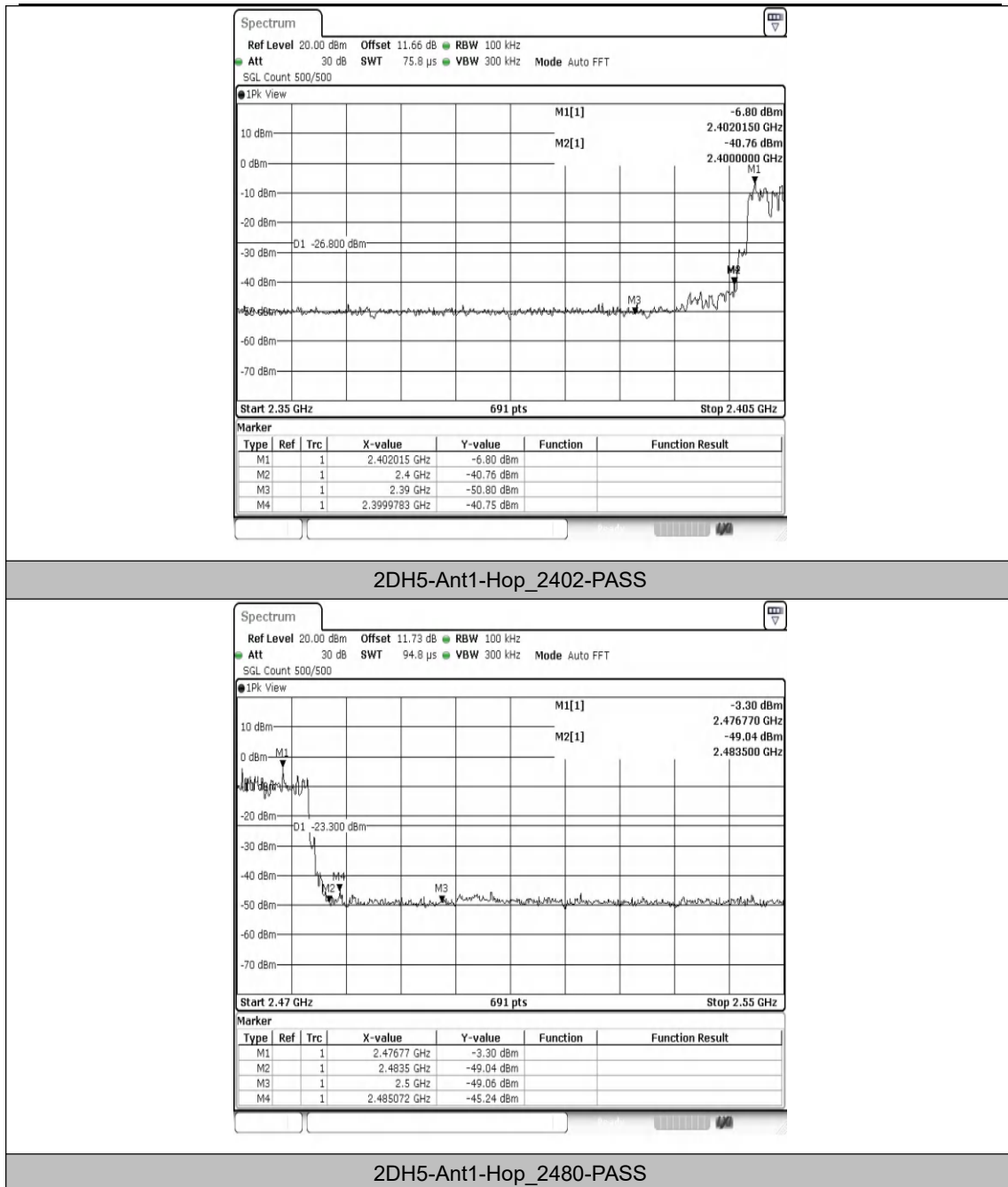


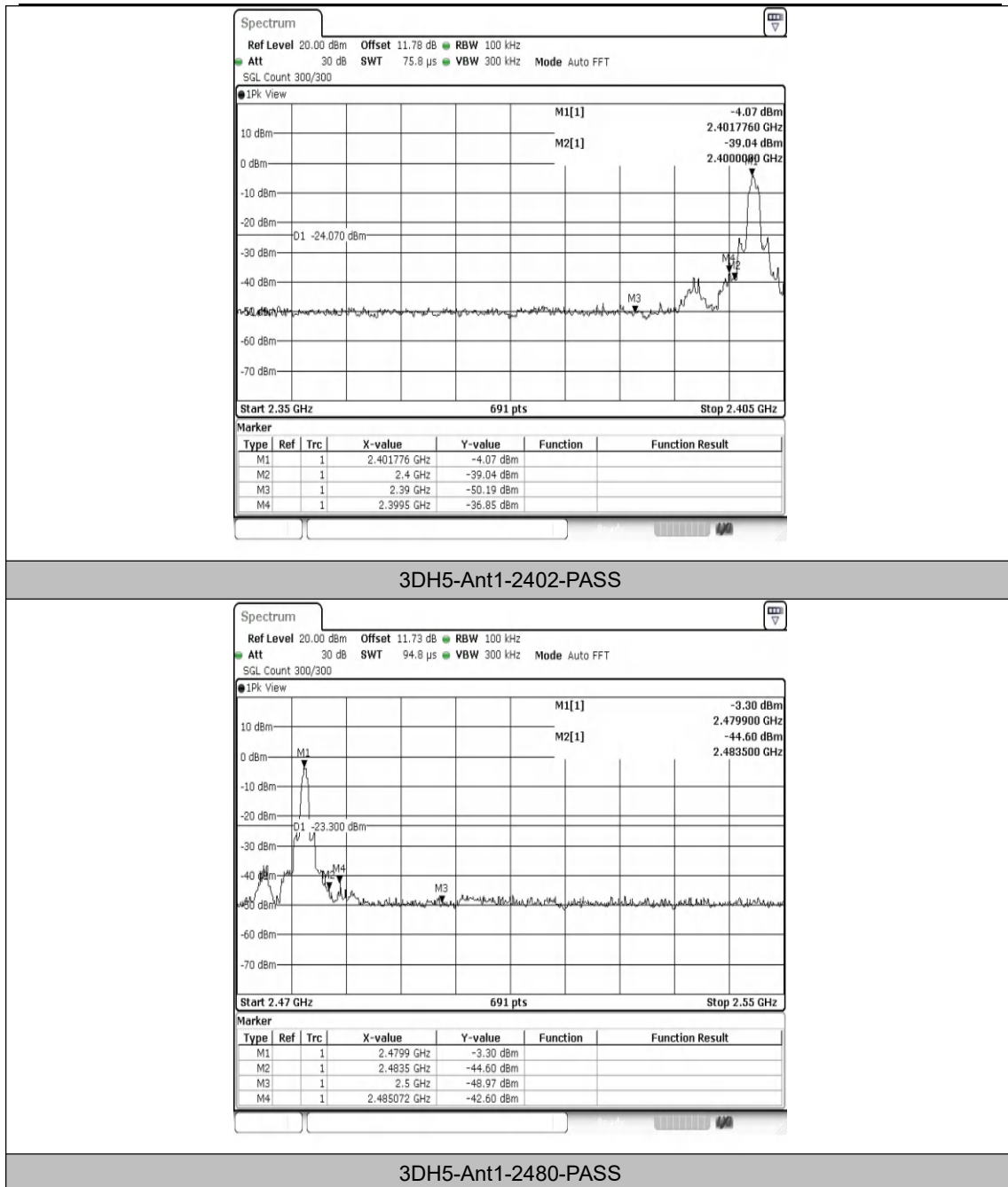
Test Graphs

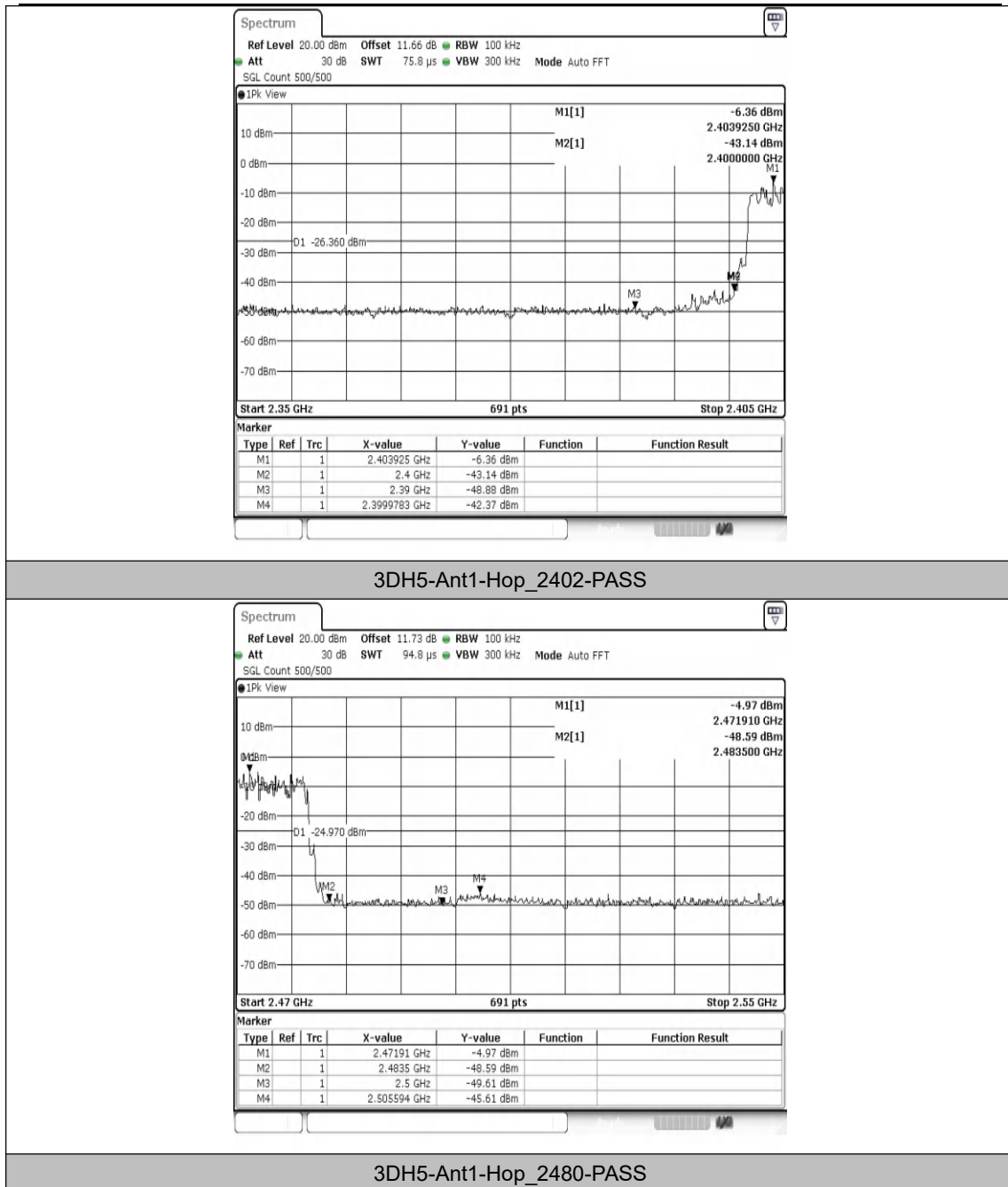












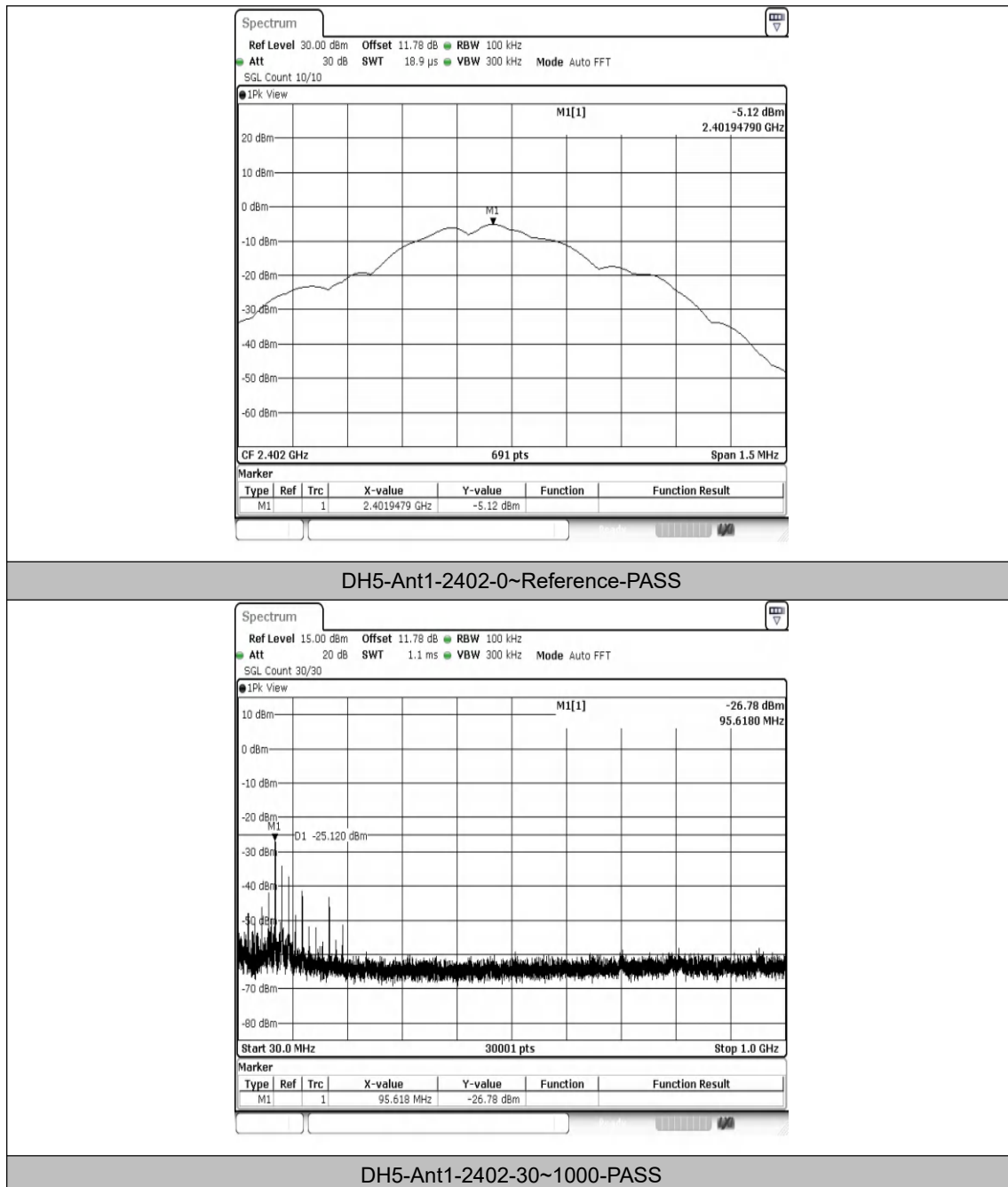
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-5.12	-5.12	---	PASS
DH5	Ant1	2402	30~1000	-5.12	-26.78	≤-25.12	PASS
DH5	Ant1	2402	1000~26500	-5.12	-38.34	≤-25.12	PASS
DH5	Ant1	2441	0~Reference	-4.43	-4.43	---	PASS
DH5	Ant1	2441	30~1000	-4.43	-26.79	≤-24.43	PASS
DH5	Ant1	2441	1000~26500	-4.43	-40.52	≤-24.43	PASS
DH5	Ant1	2480	0~Reference	-4.02	-4.02	---	PASS
DH5	Ant1	2480	30~1000	-4.02	-26.72	≤-24.02	PASS
DH5	Ant1	2480	1000~26500	-4.02	-39.58	≤-24.02	PASS
2DH5	Ant1	2402	0~Reference	-4.93	-4.93	---	PASS
2DH5	Ant1	2402	30~1000	-4.93	-26.99	≤-24.93	PASS
2DH5	Ant1	2402	1000~26500	-4.93	-41.05	≤-24.93	PASS
2DH5	Ant1	2441	0~Reference	-3.78	-3.78	---	PASS
2DH5	Ant1	2441	30~1000	-3.78	-26.62	≤-23.78	PASS
2DH5	Ant1	2441	1000~26500	-3.78	-41.59	≤-23.78	PASS
2DH5	Ant1	2480	0~Reference	-4.56	-4.56	---	PASS
2DH5	Ant1	2480	30~1000	-4.56	-26.74	≤-24.56	PASS
2DH5	Ant1	2480	1000~26500	-4.56	-38.77	≤-24.56	PASS
3DH5	Ant1	2402	0~Reference	-5.42	-5.42	---	PASS
3DH5	Ant1	2402	30~1000	-5.42	-26.93	≤-25.42	PASS
3DH5	Ant1	2402	1000~26500	-5.42	-40.76	≤-25.42	PASS
3DH5	Ant1	2441	0~Reference	-6.38	-6.38	---	PASS
3DH5	Ant1	2441	30~1000	-6.38	-26.82	≤-26.38	PASS
3DH5	Ant1	2441	1000~26500	-6.38	-41.27	≤-26.38	PASS
3DH5	Ant1	2480	0~Reference	-5.35	-5.35	---	PASS
3DH5	Ant1	2480	30~1000	-5.35	-26.86	≤-25.35	PASS
3DH5	Ant1	2480	1000~26500	-5.35	-38.23	≤-25.35	PASS



Test Graphs

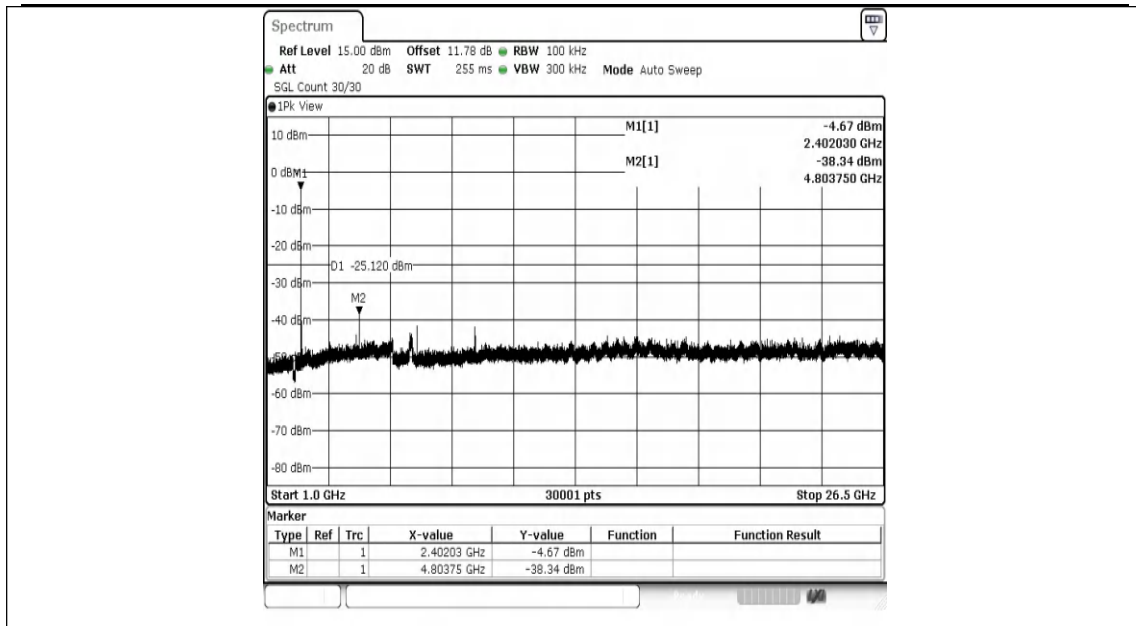


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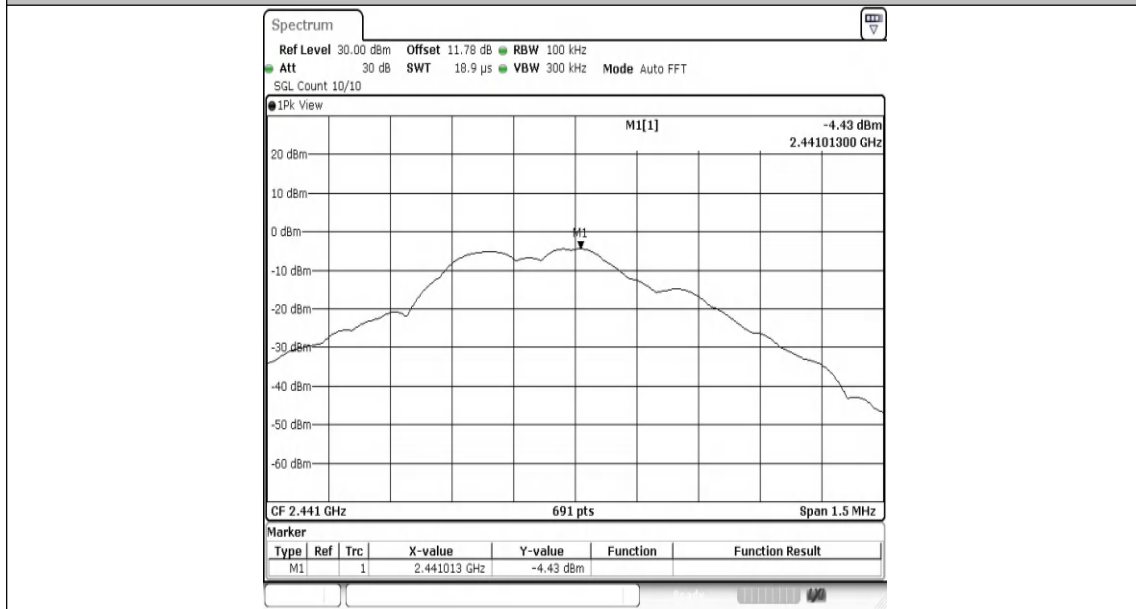
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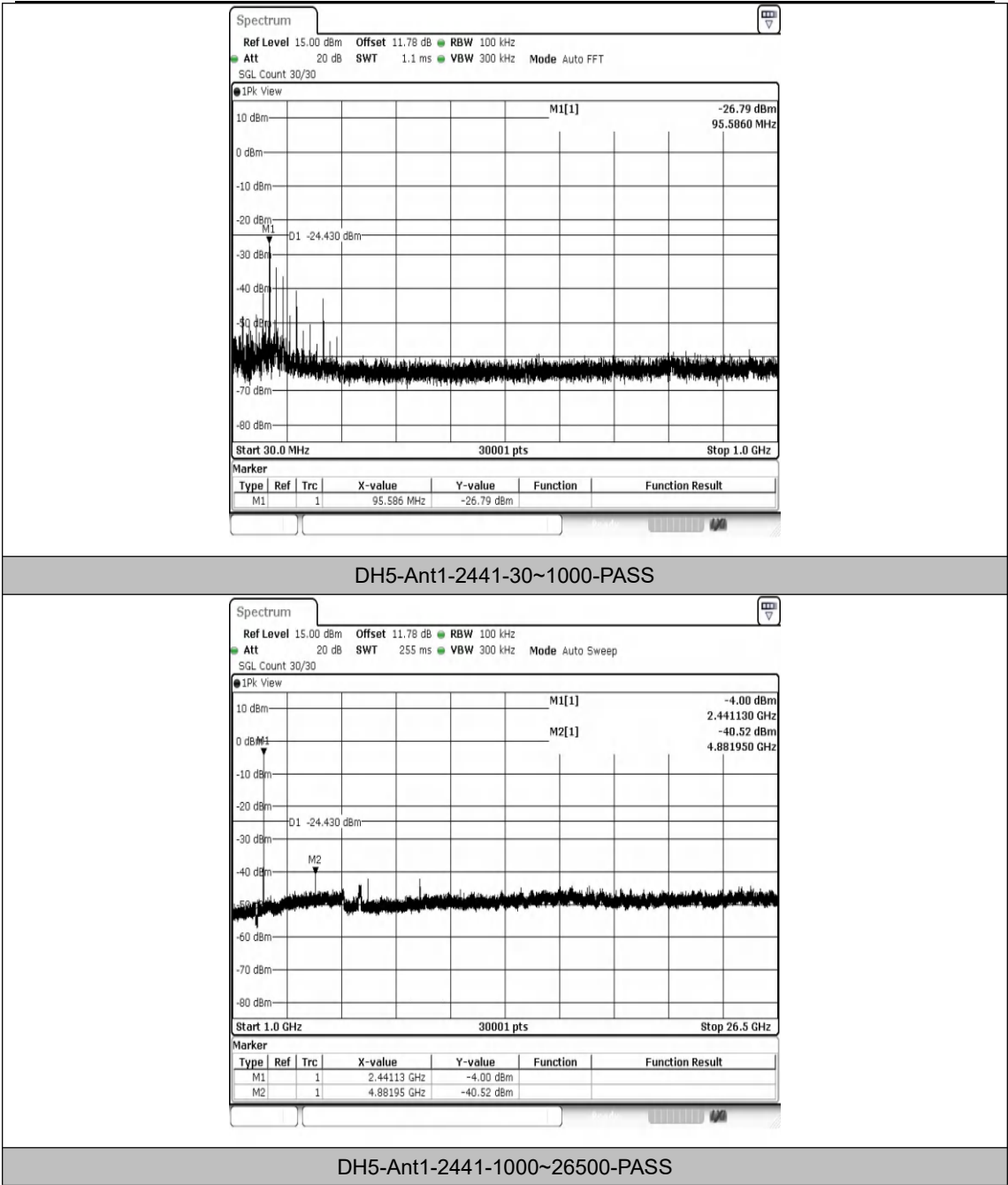


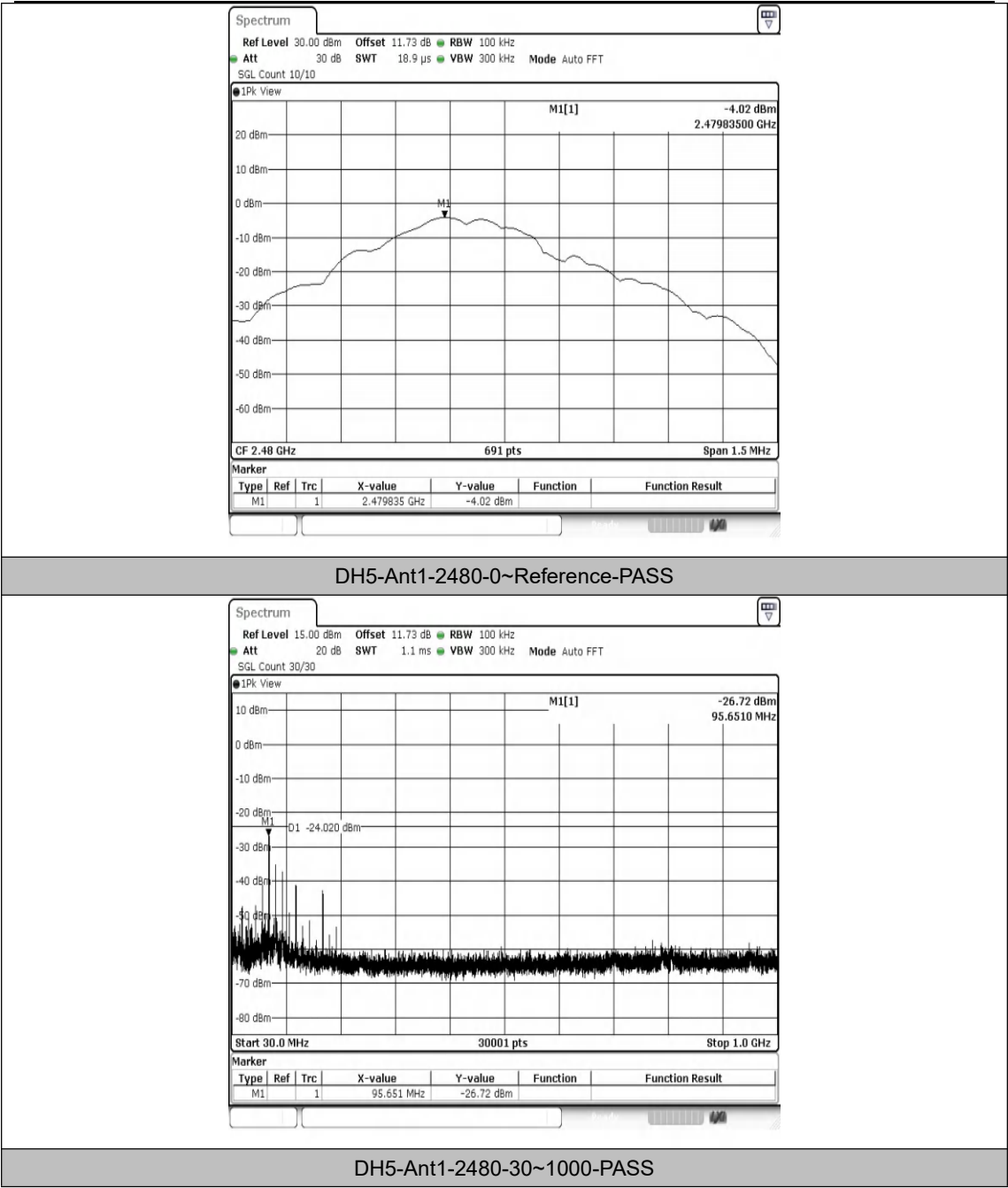
DH5-Ant1-2402-1000~26500-PASS

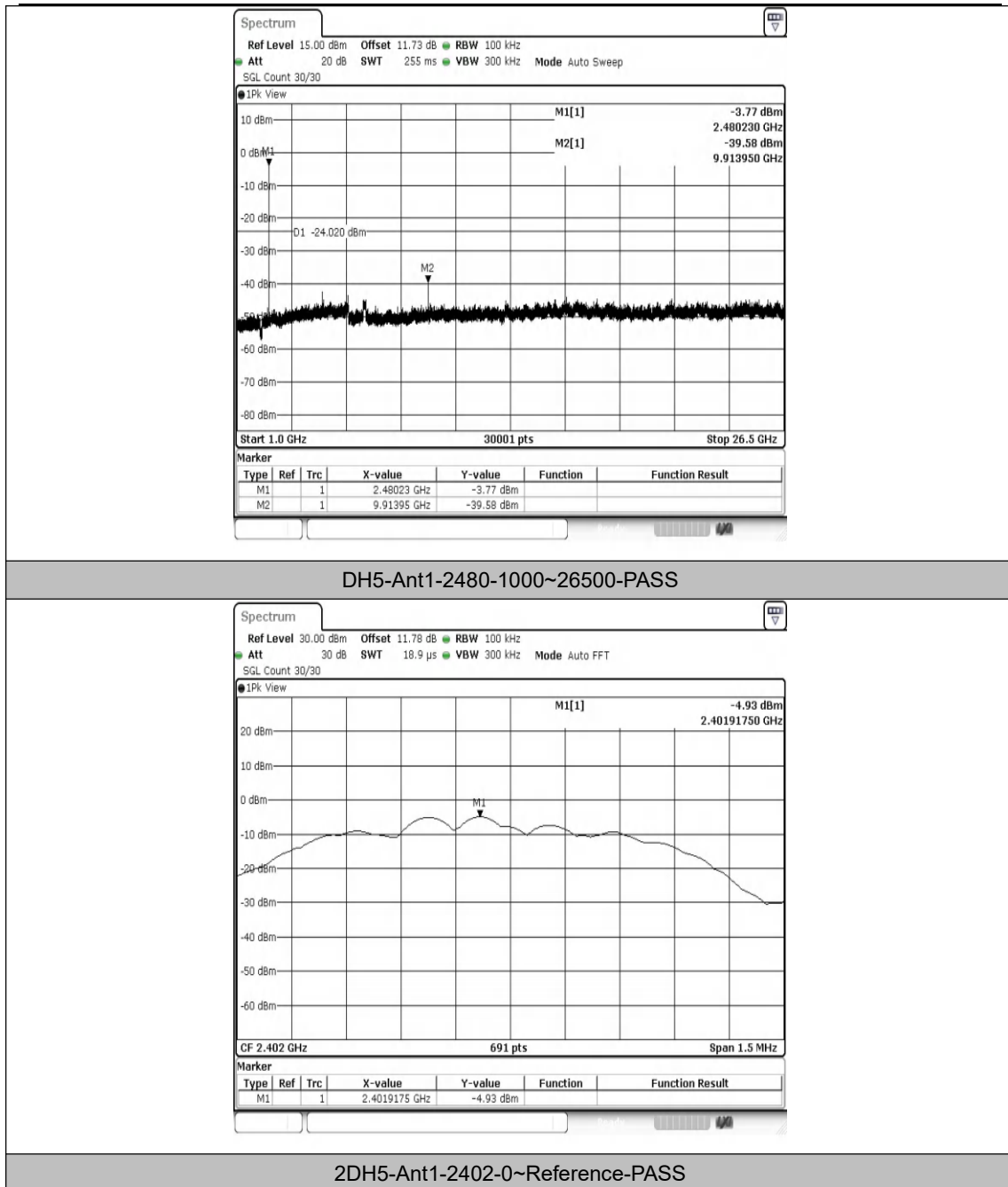


DH5-Ant1-2441-0~Reference-PASS







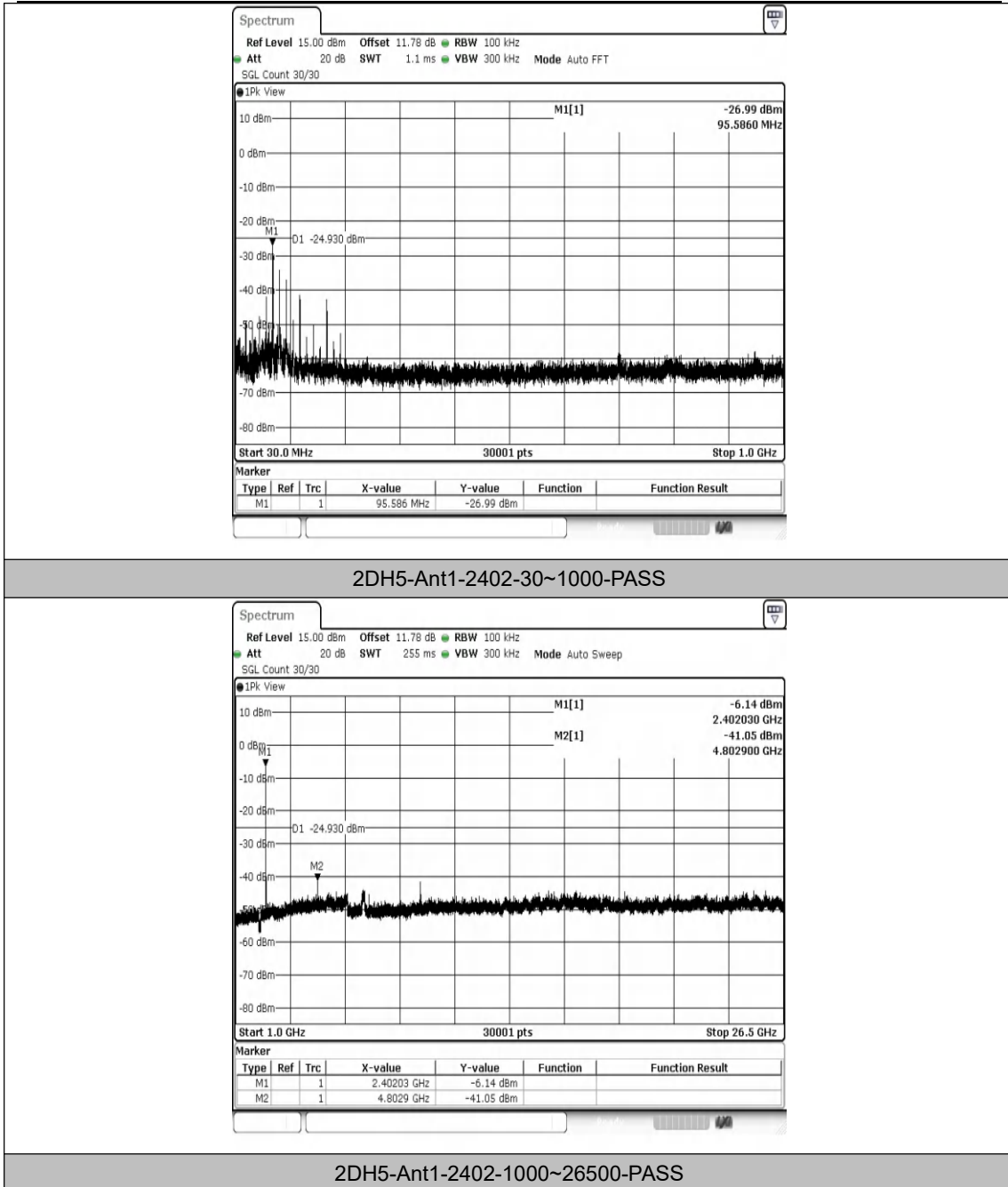


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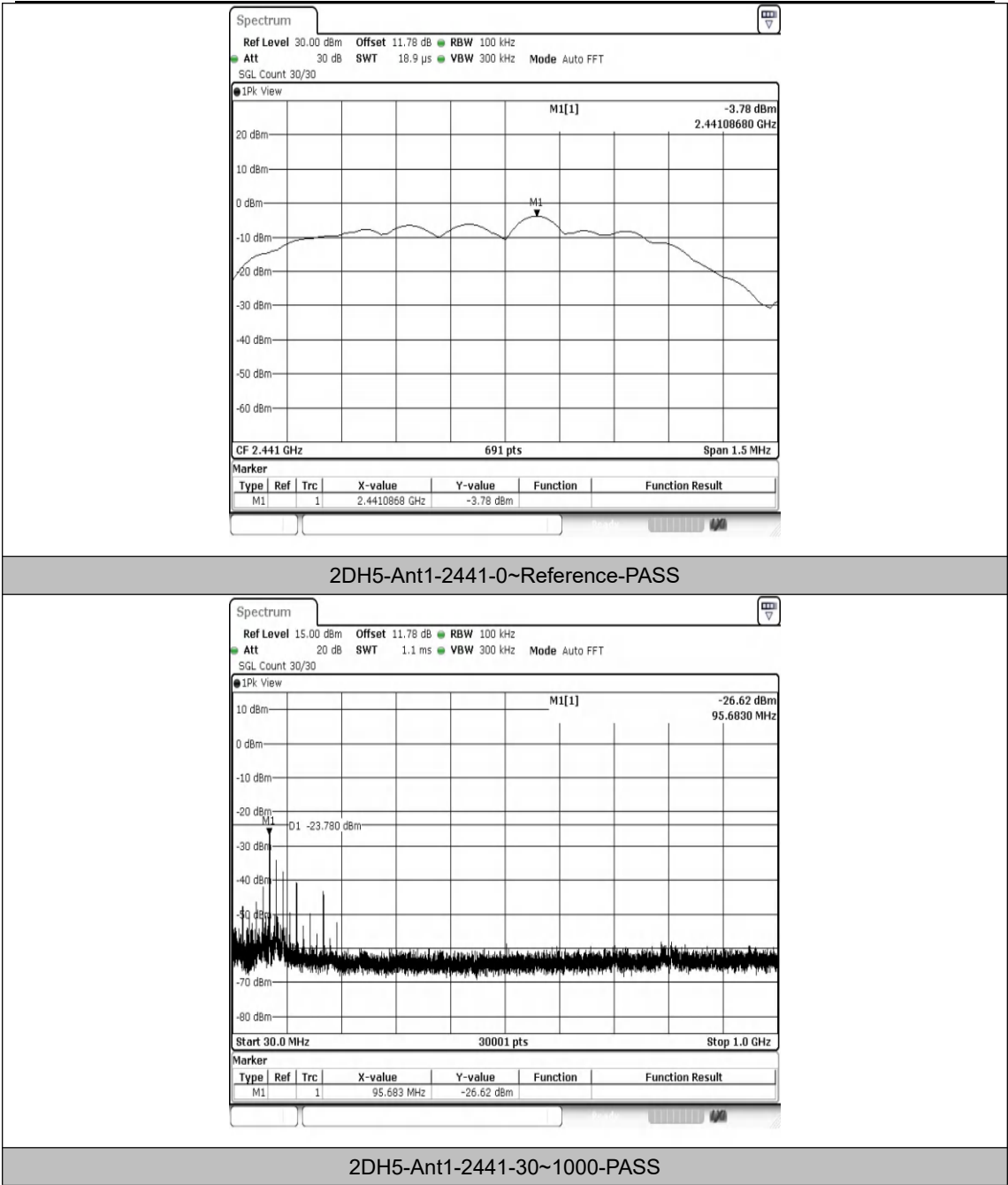


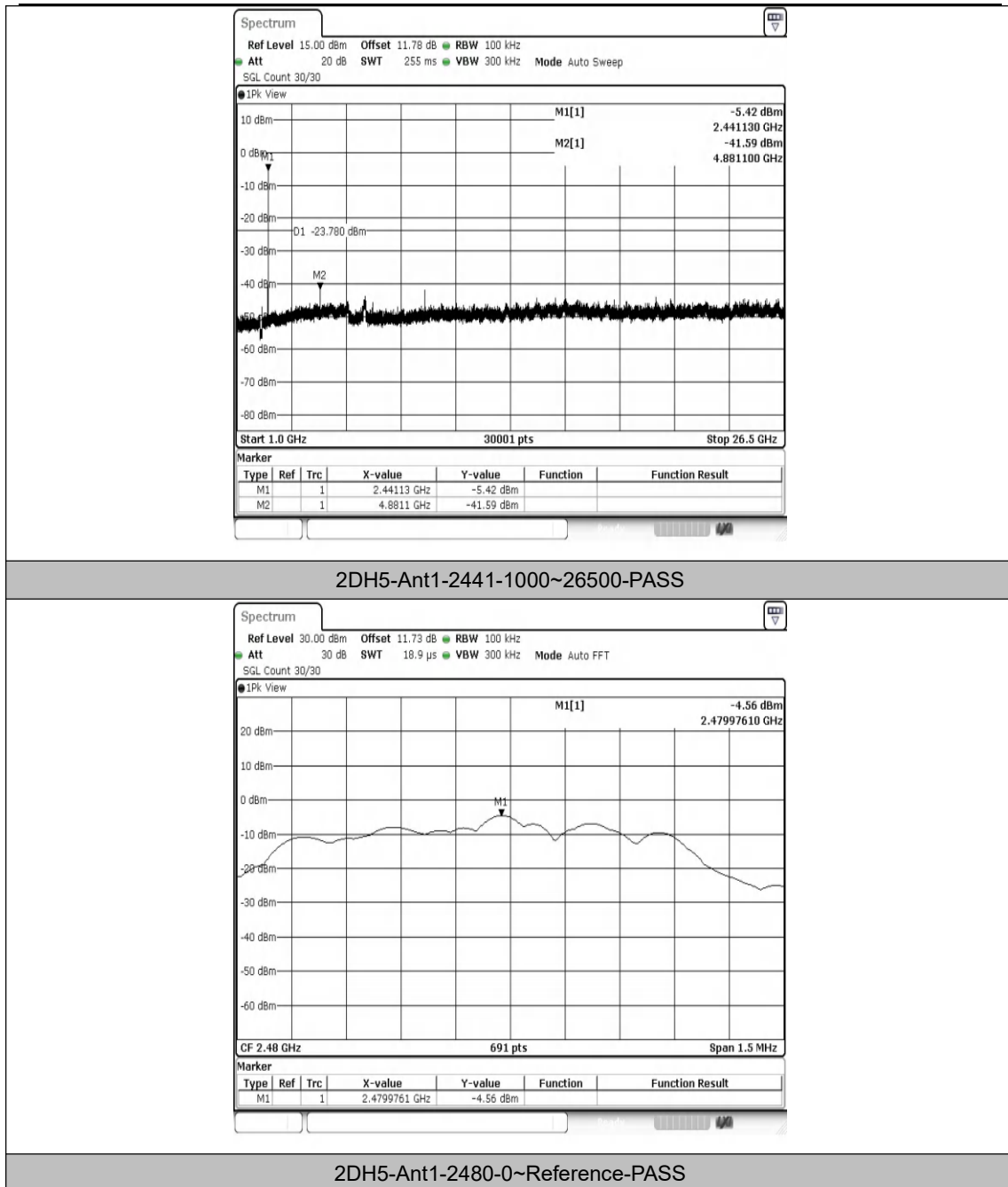
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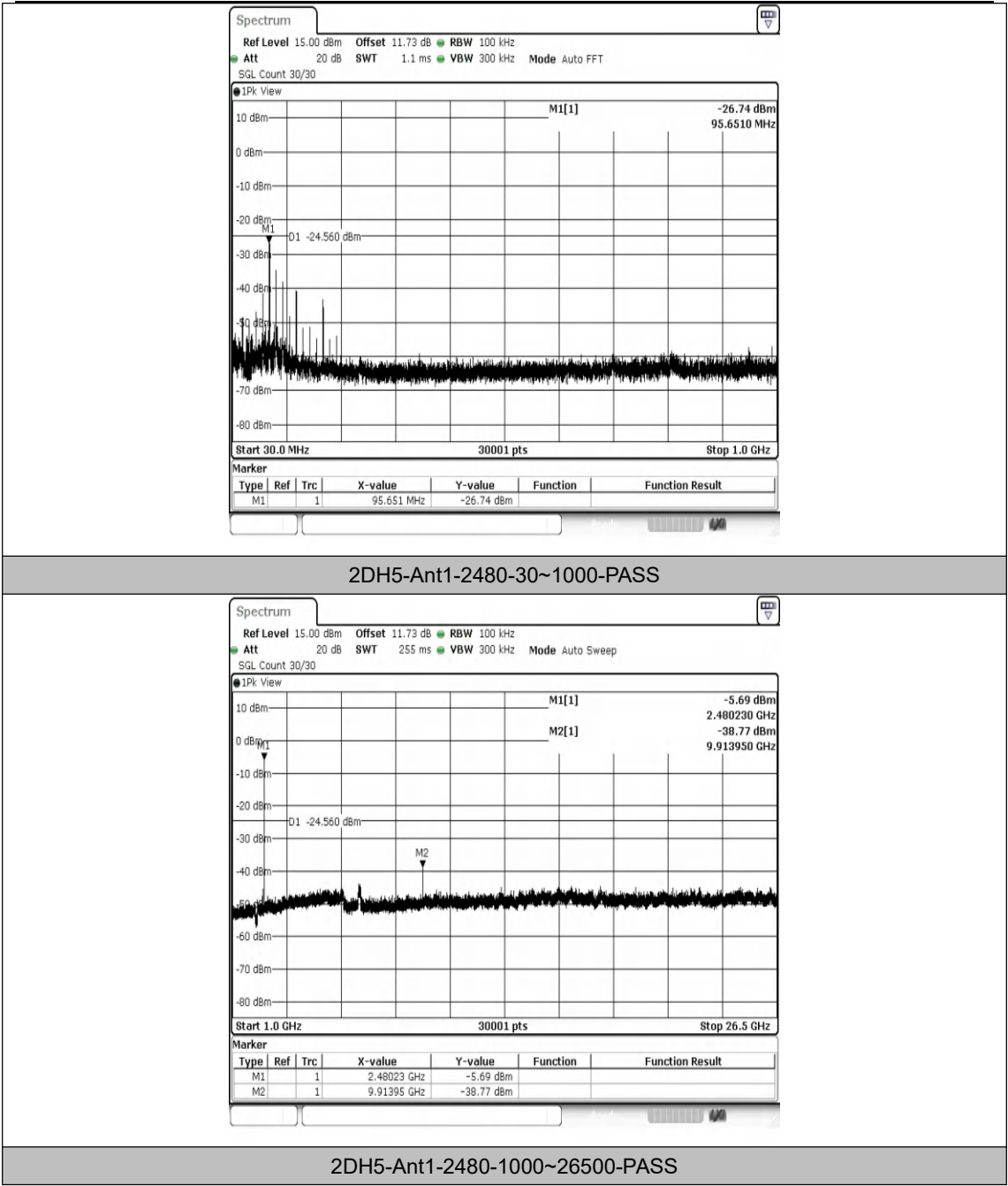


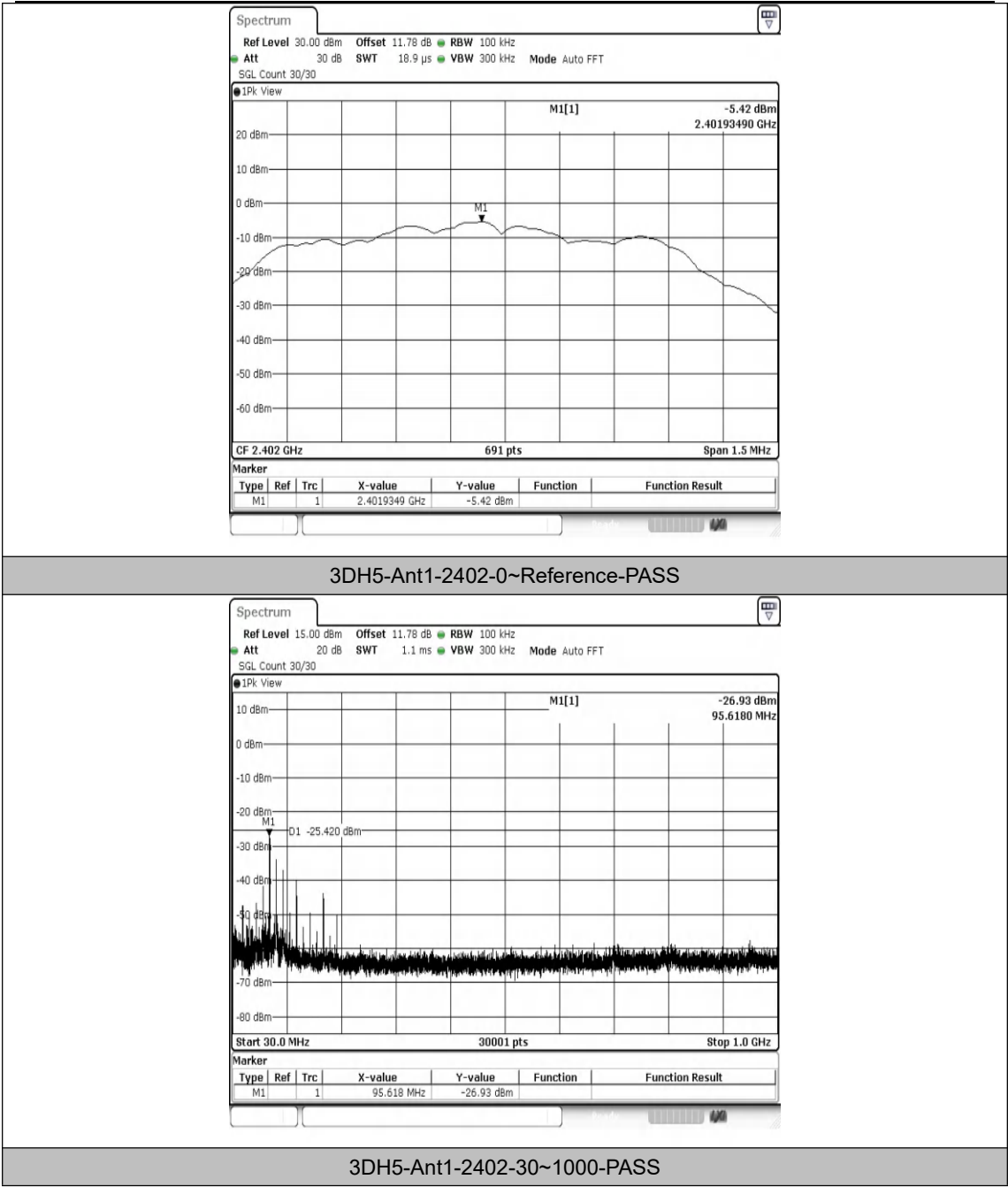
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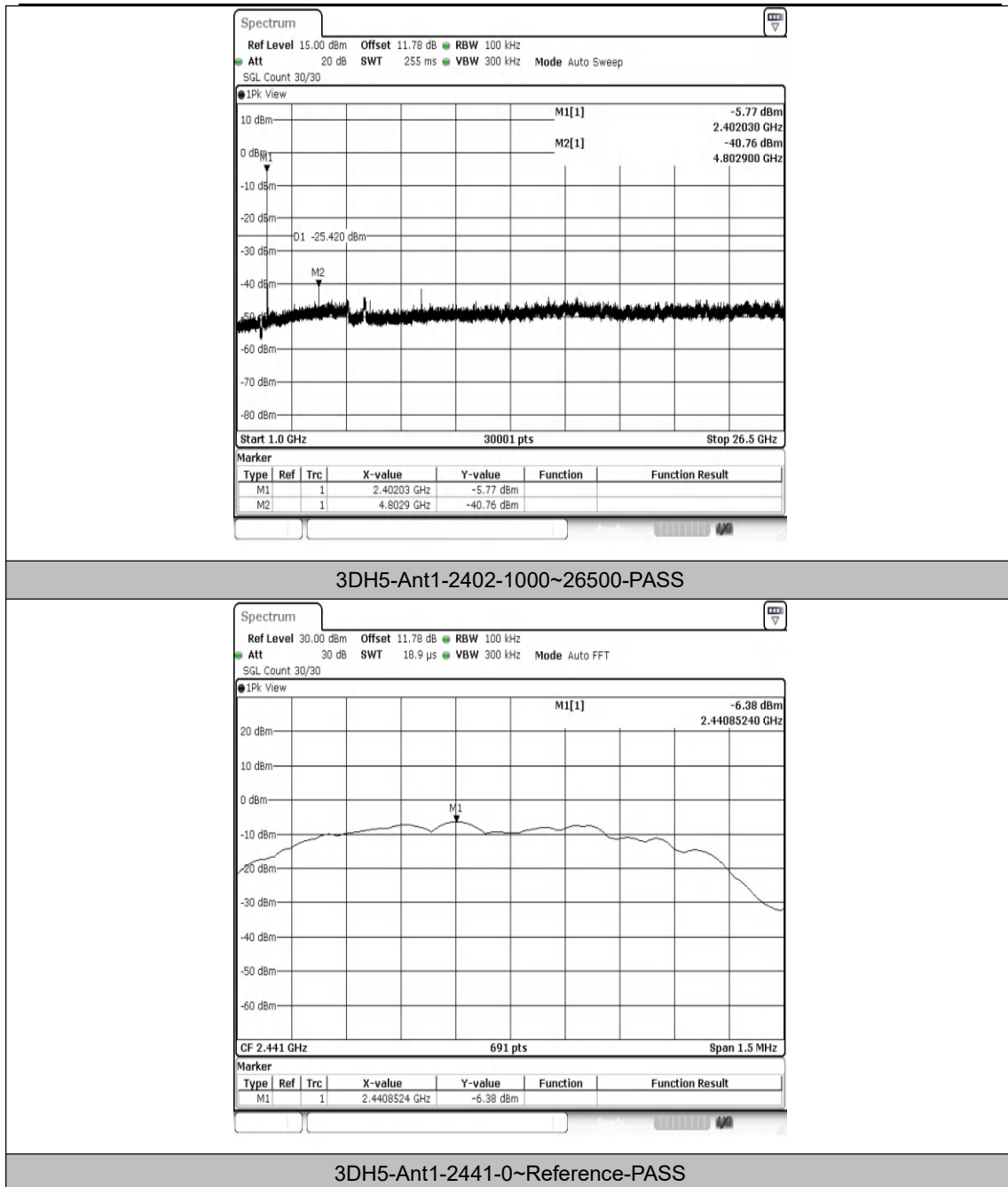
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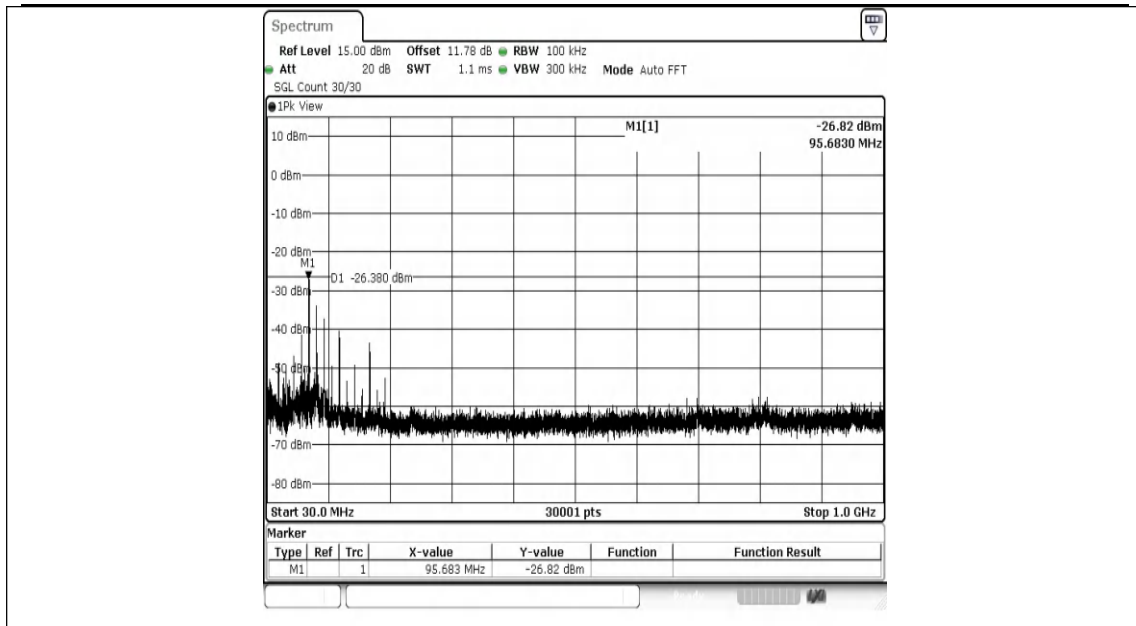


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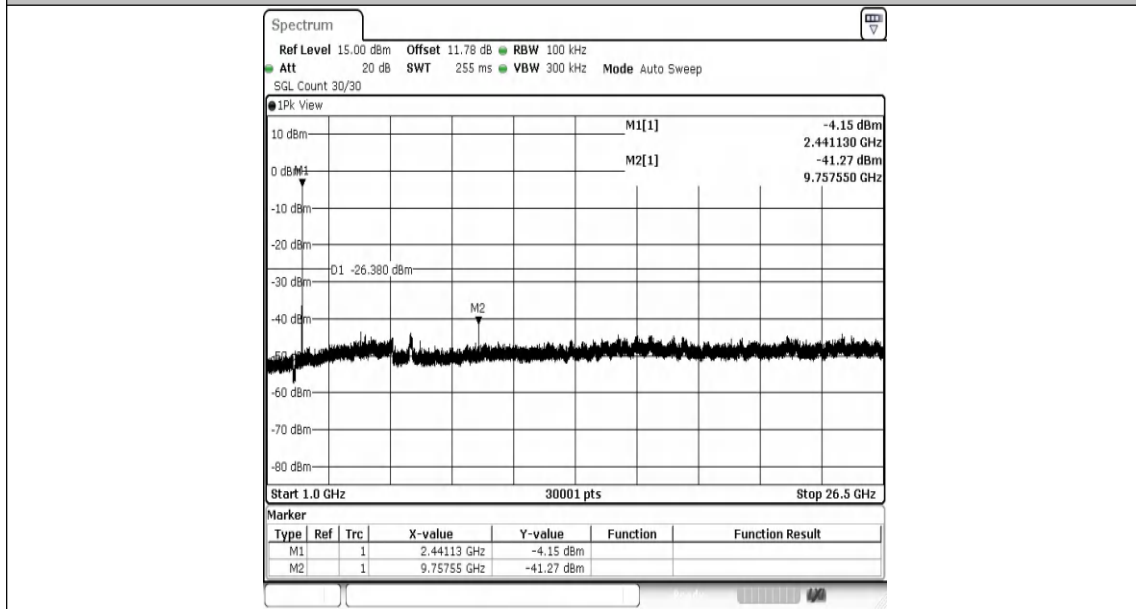
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
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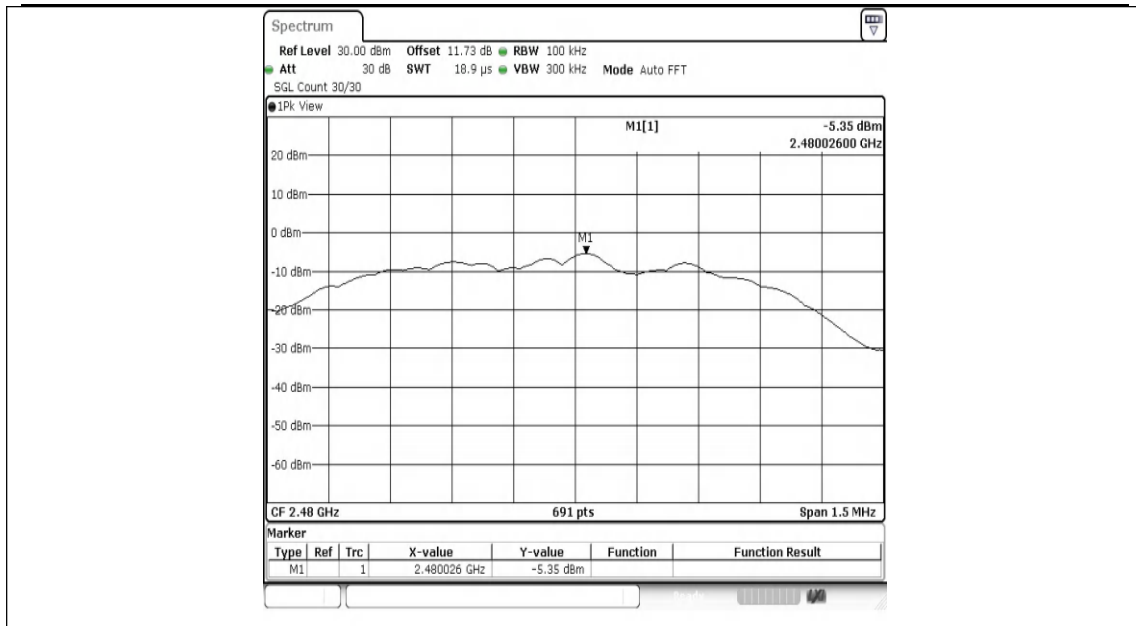


3DH5-Ant1-2441-30~1000-PASS

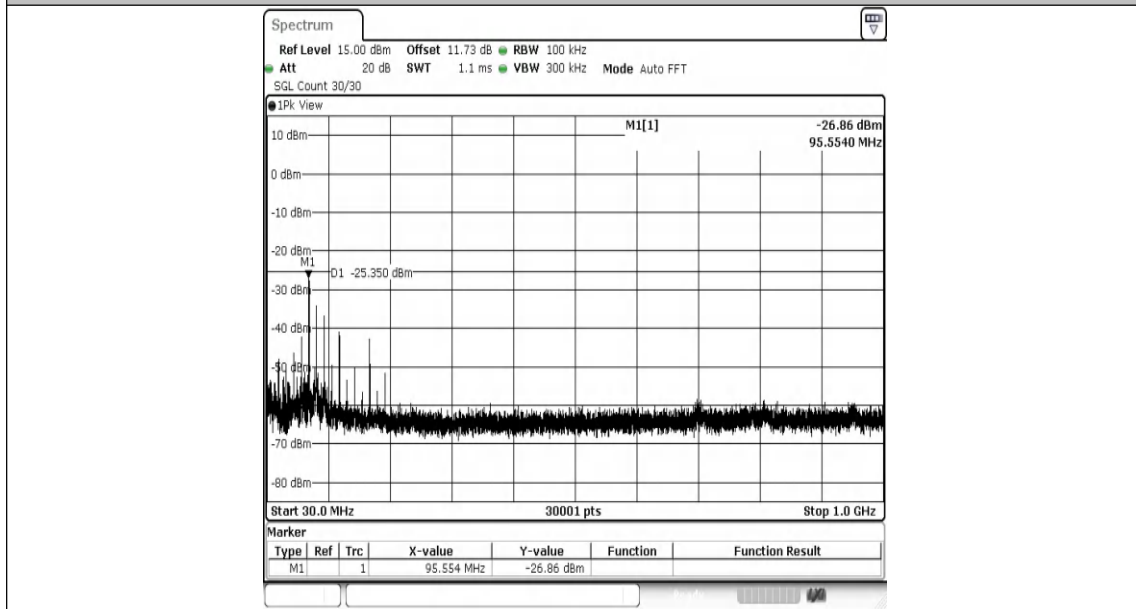


3DH5-Ant1-2441-1000~26500-PASS



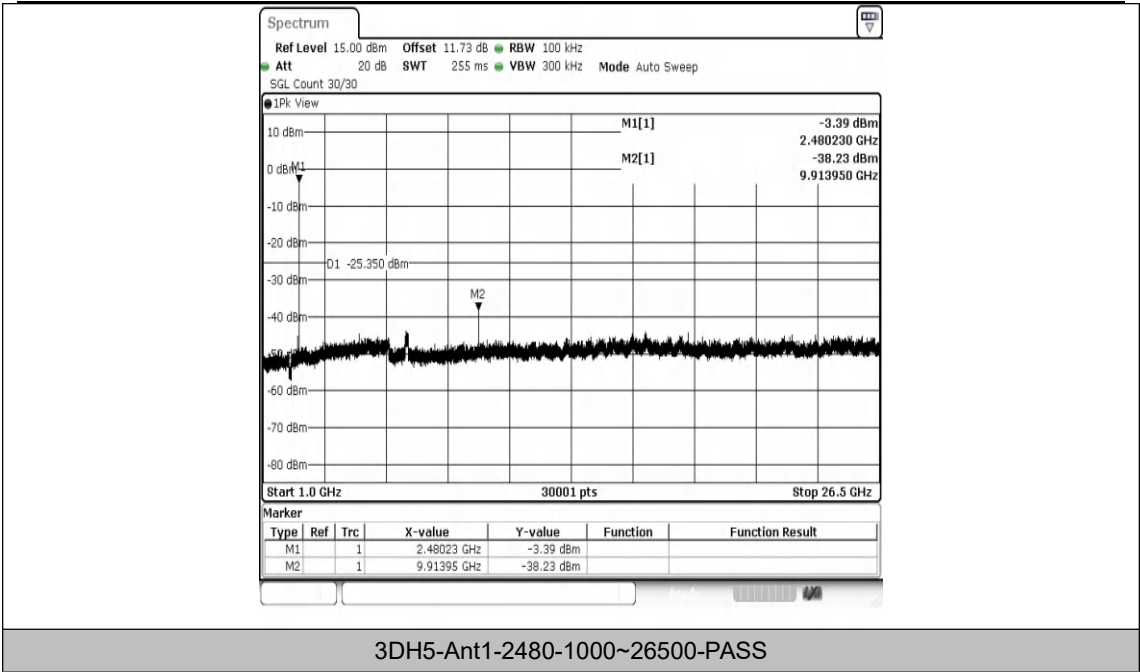


3DH5-Ant1-2480-0~Reference-PASS



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





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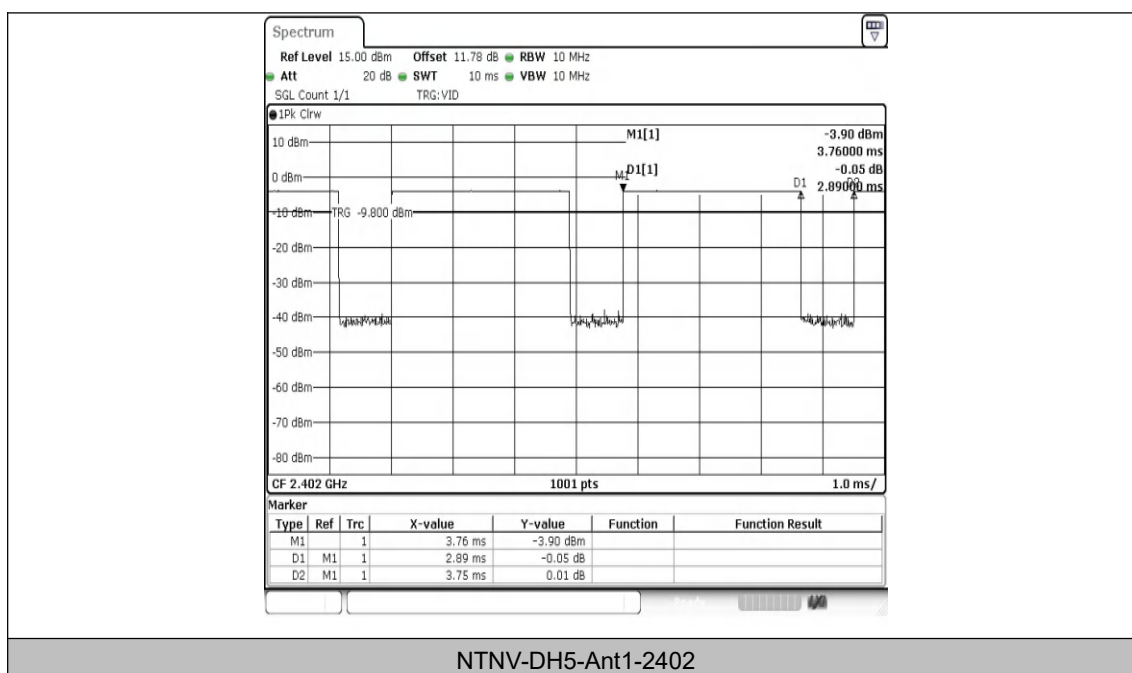


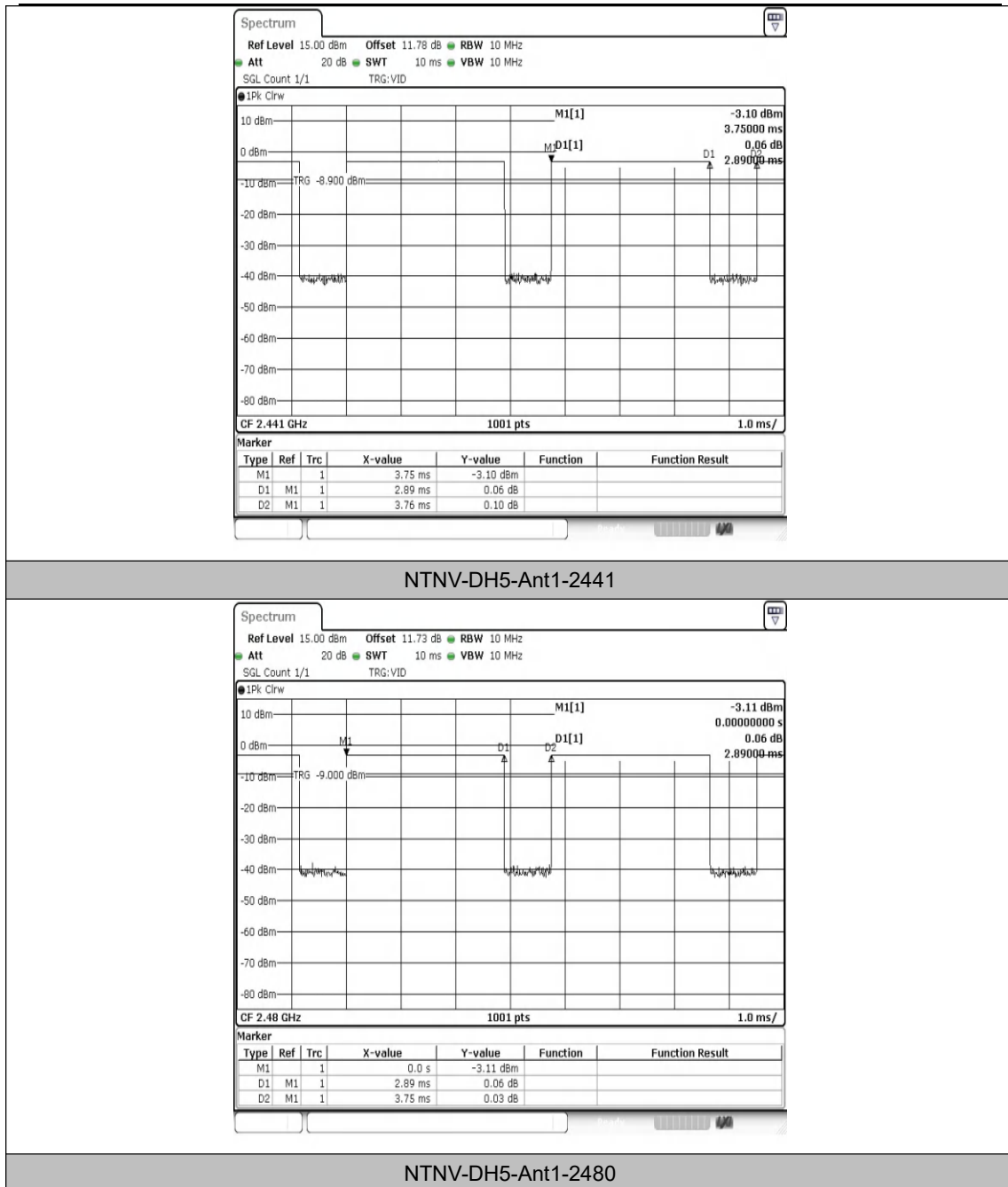
Appendix I: Duty Cycle

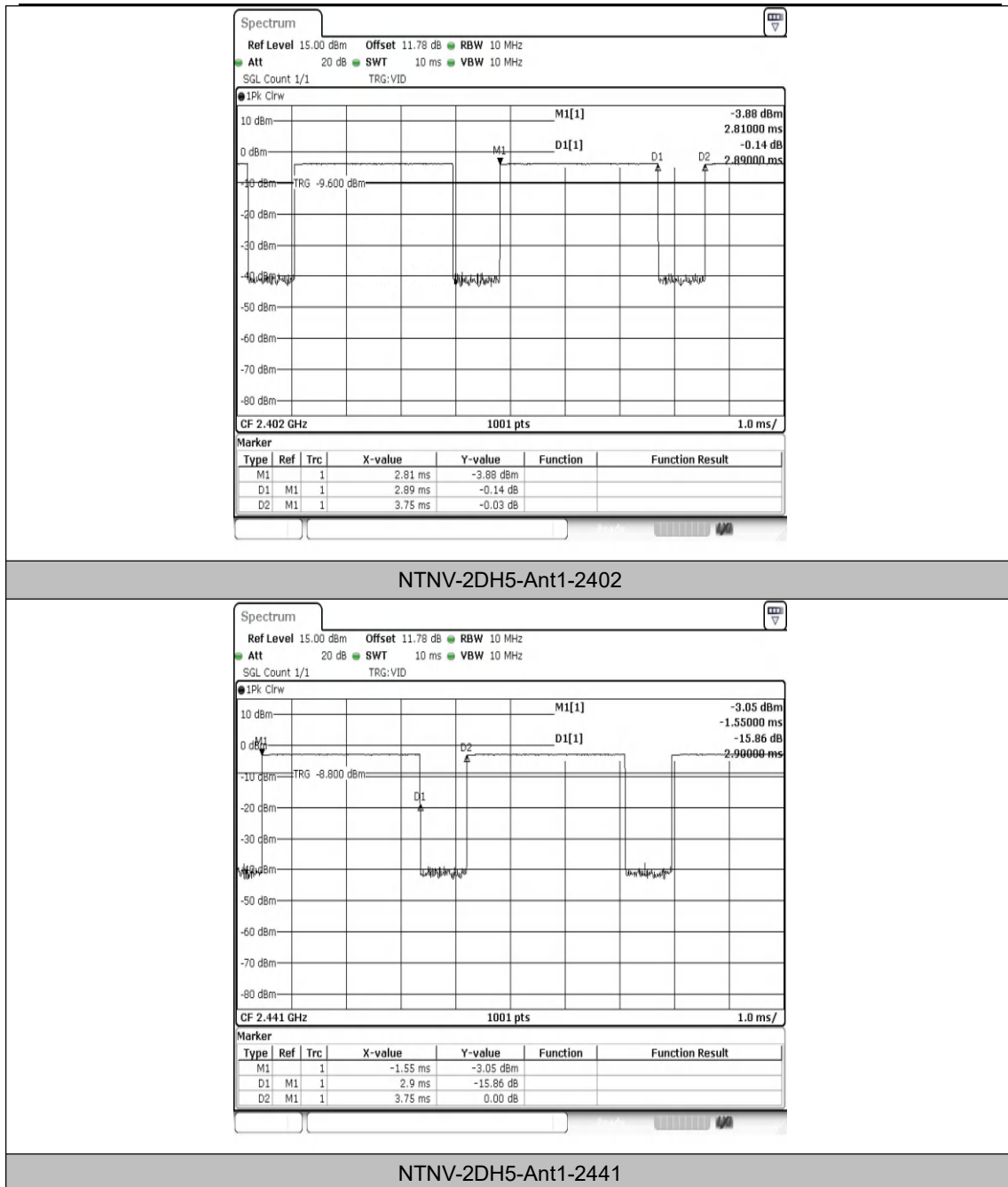
Test Result

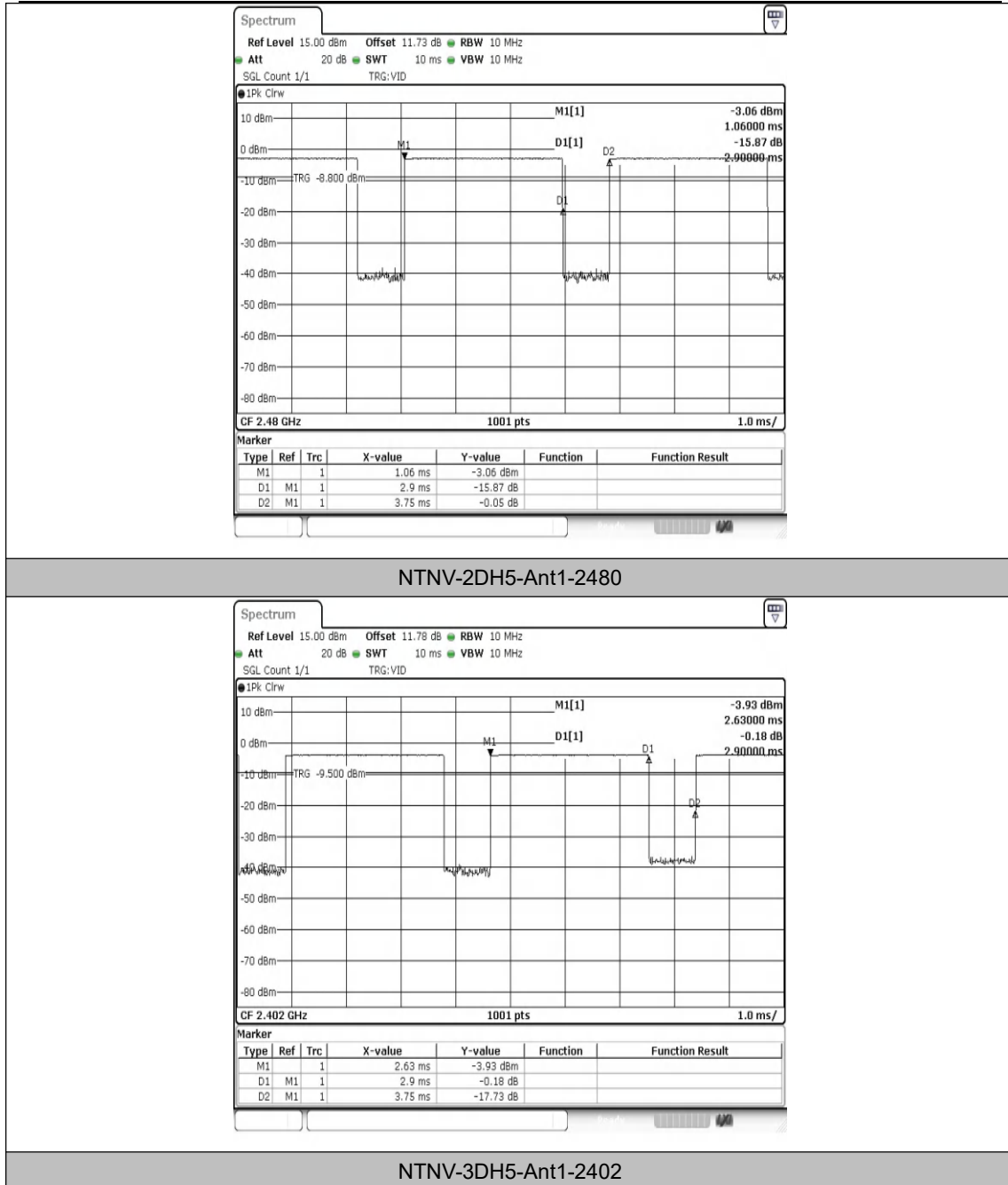
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.76	76.86	1.14
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33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

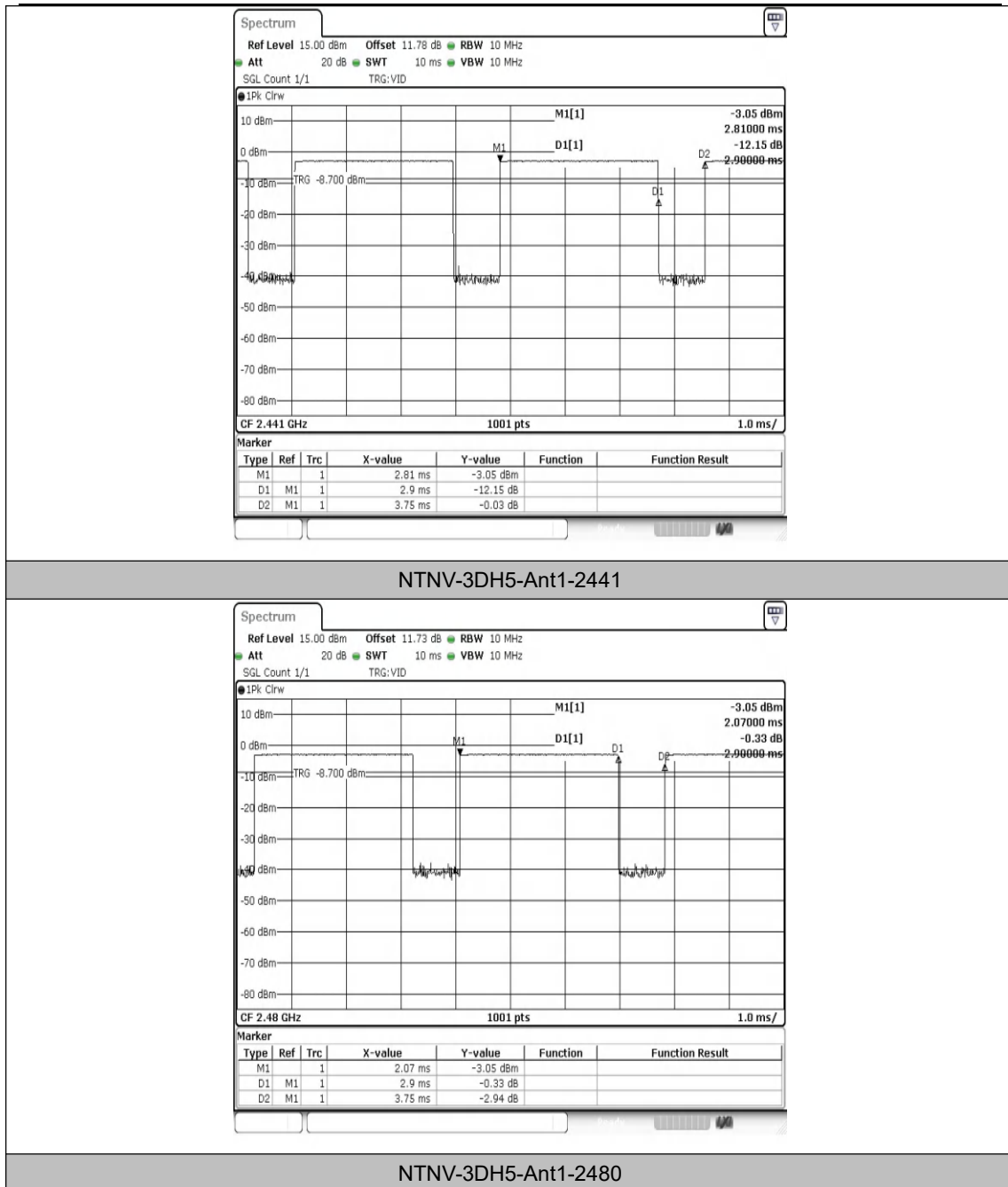
Test Graphs











---END---

