

Appendix Test Data

Report No.:	1819C50052912501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-14	Finish Test Date:	2025-5-21
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	50%
Pressure:	101kPa		

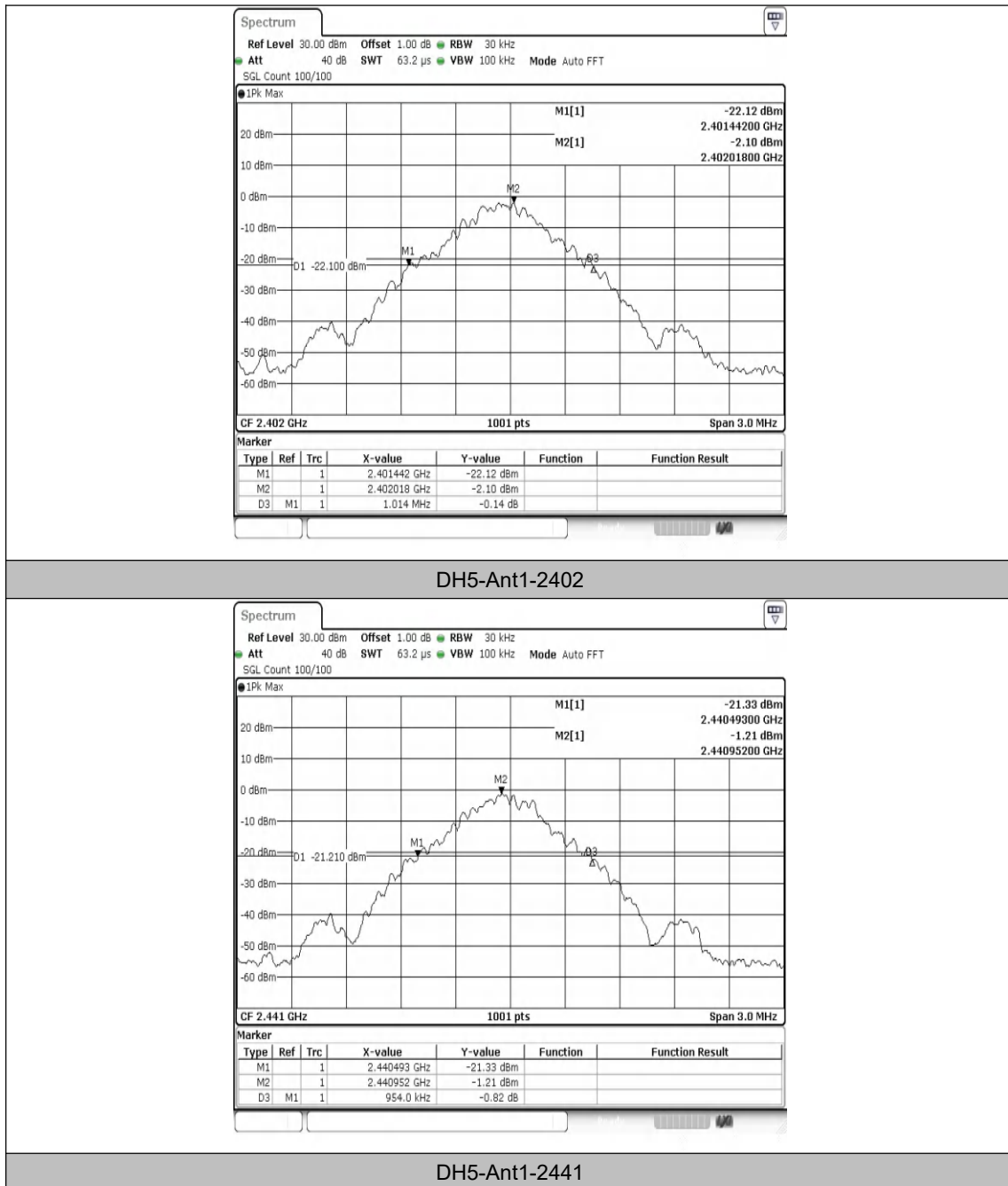
Appendix A: 20dB Bandwidth

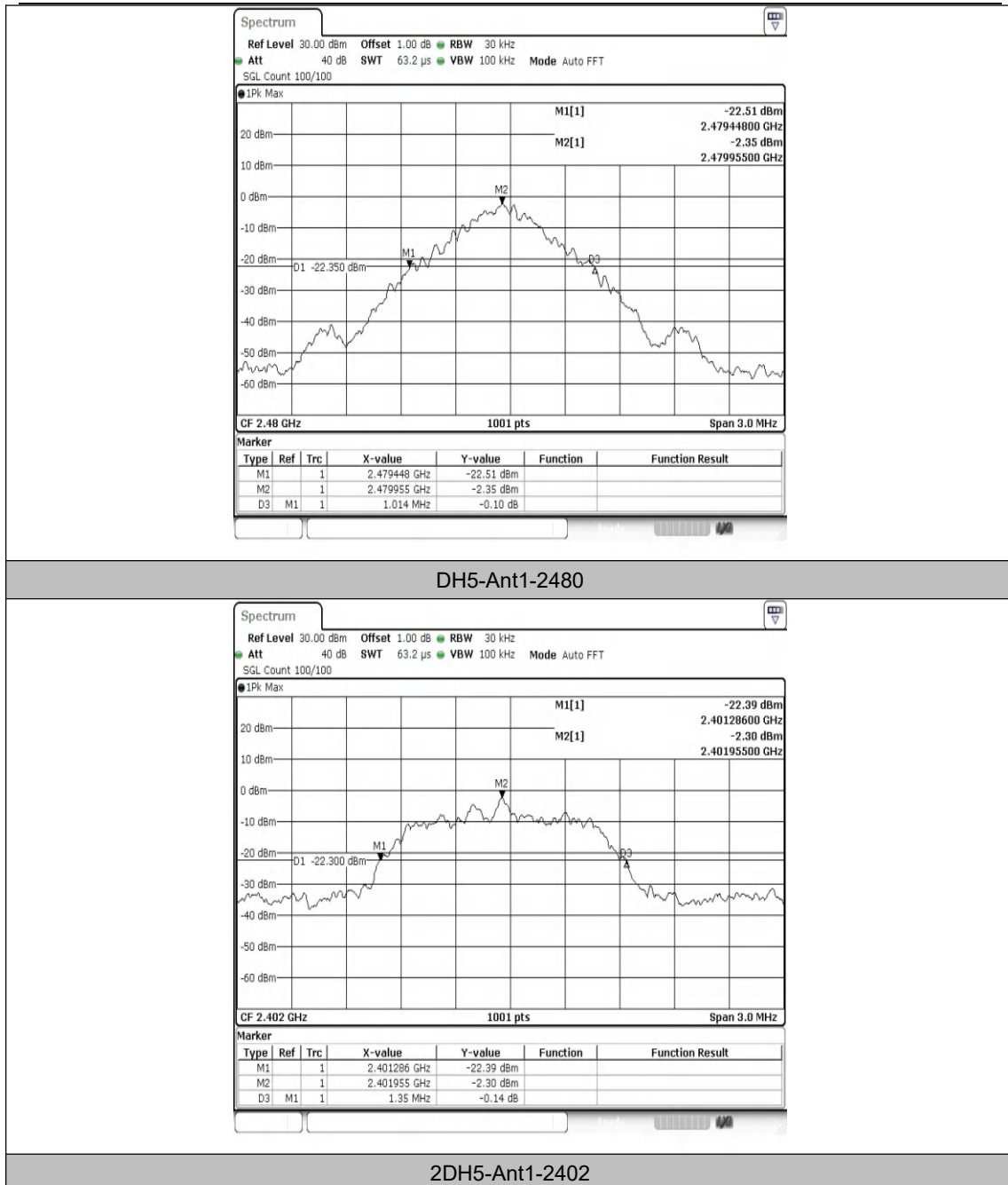
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.01	2401.44	2402.46	---	---
DH5	Ant1	2441	0.95	2440.49	2441.45	---	---
DH5	Ant1	2480	1.01	2479.45	2480.46	---	---
2DH5	Ant1	2402	1.35	2401.29	2402.64	---	---
2DH5	Ant1	2441	1.31	2440.30	2441.61	---	---
2DH5	Ant1	2480	1.36	2479.29	2480.65	---	---
3DH5	Ant1	2402	1.31	2401.29	2402.60	---	---
3DH5	Ant1	2441	1.34	2440.29	2441.63	---	---
3DH5	Ant1	2480	1.32	2479.30	2480.62	---	---



Test Graphs

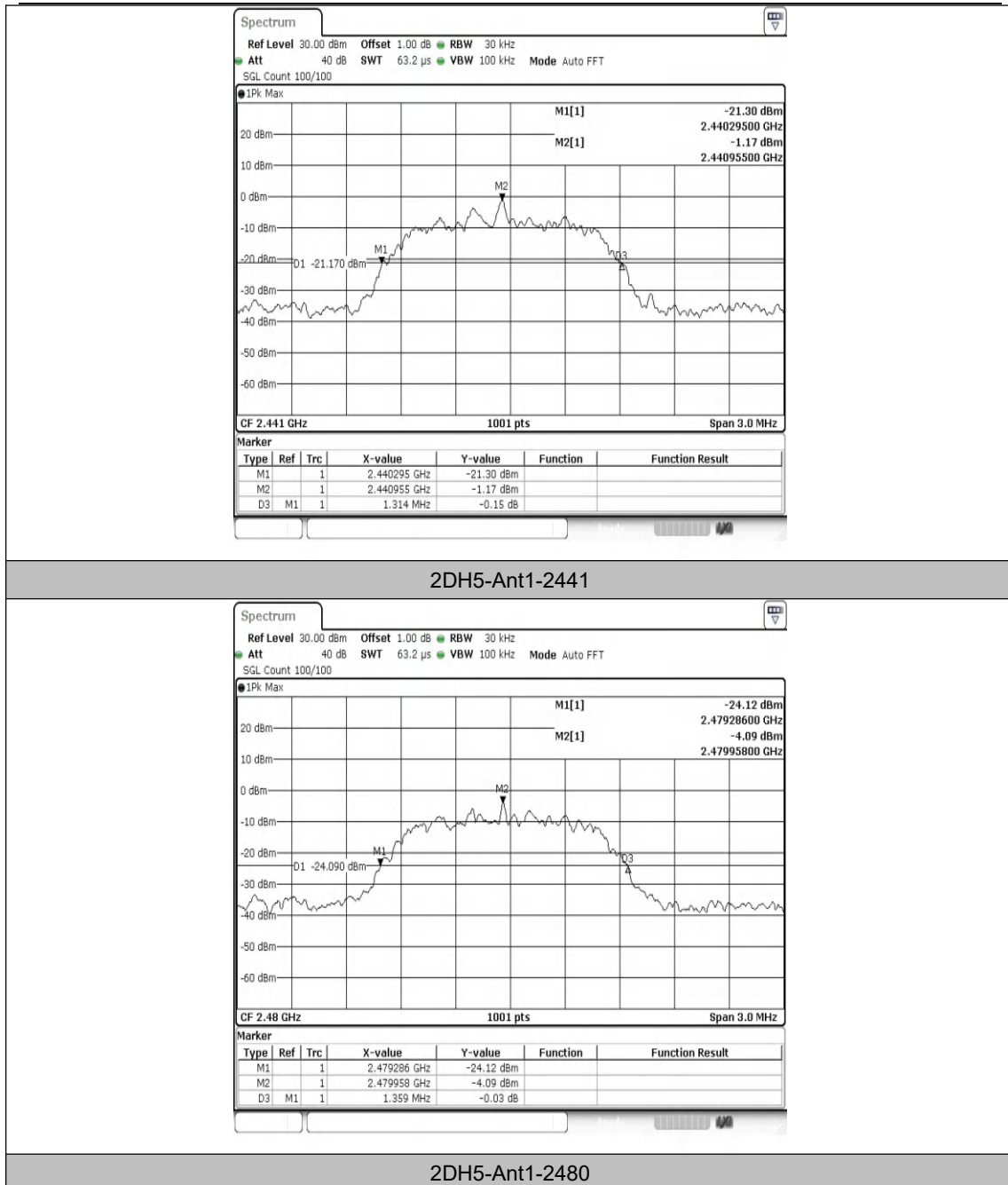


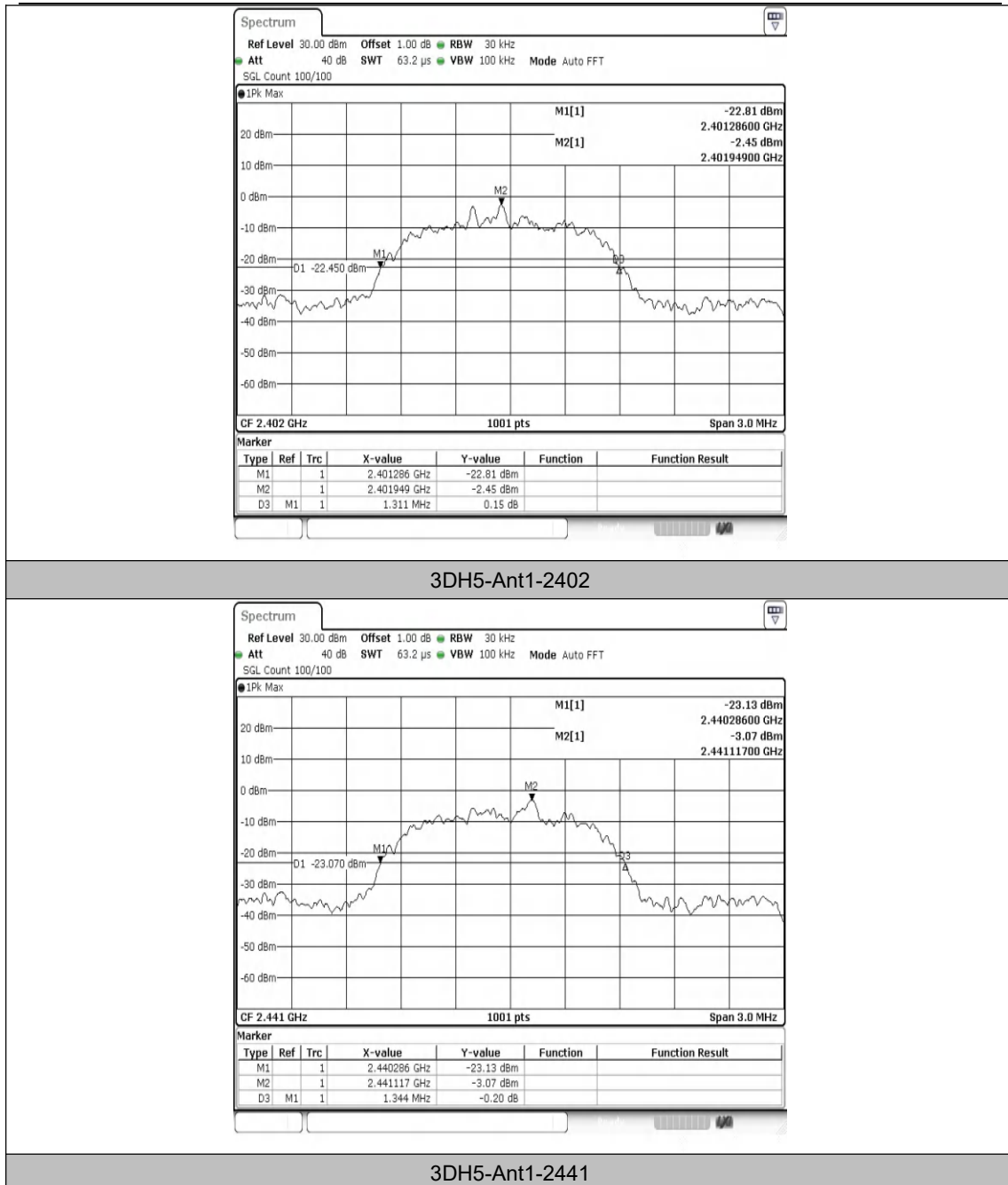


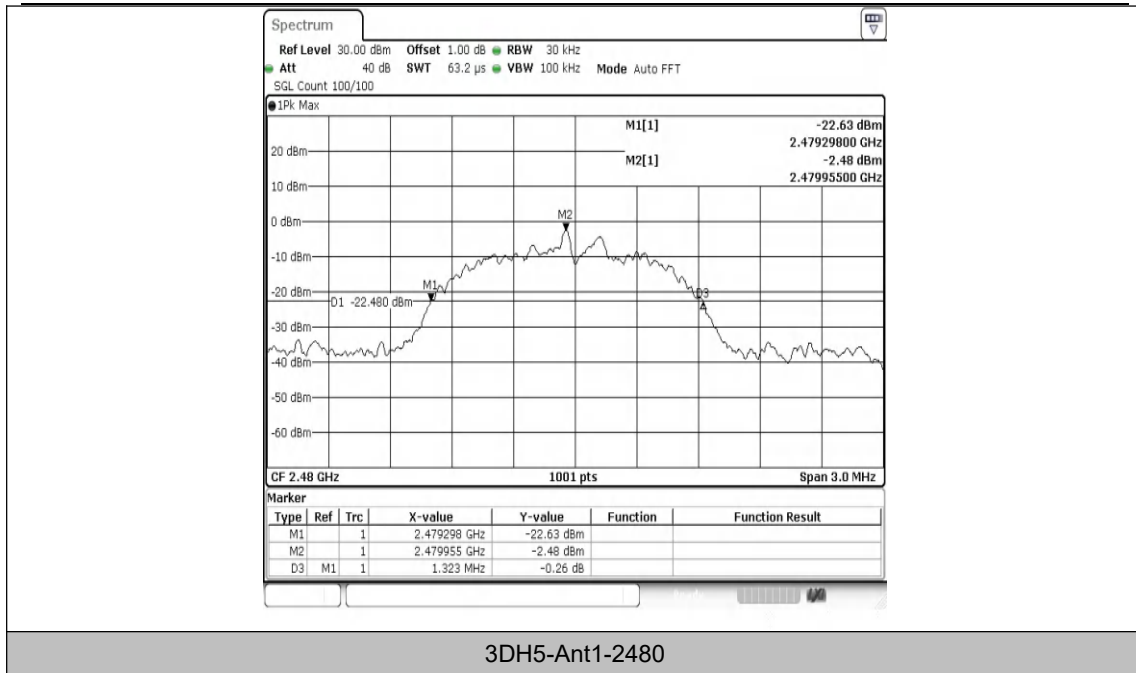
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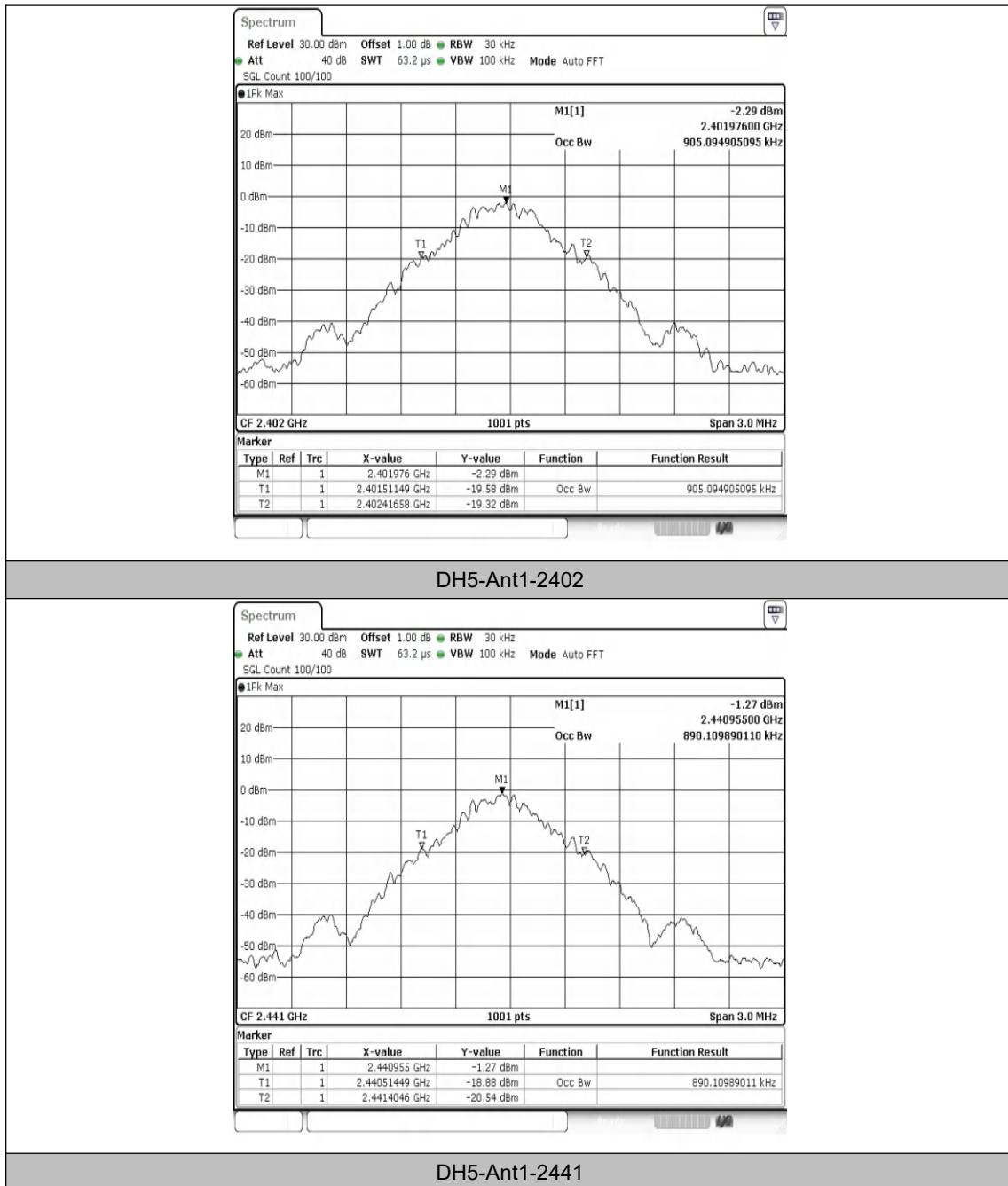
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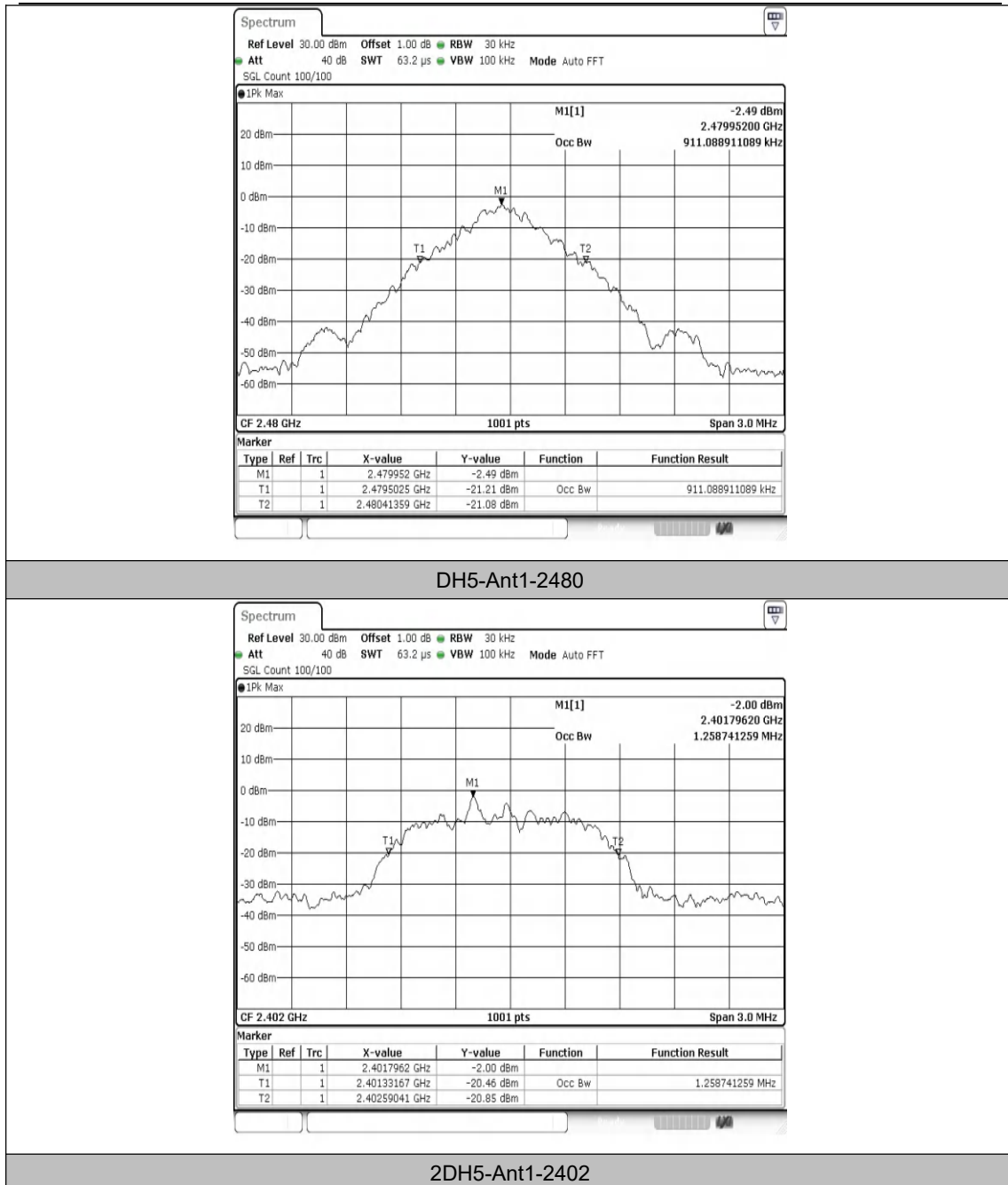
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90509	2401.5115	2402.4166	---	---
DH5	Ant1	2441	0.89011	2440.5145	2441.4046	---	---
DH5	Ant1	2480	0.91109	2479.5025	2480.4136	---	---
2DH5	Ant1	2402	1.2587	2401.3317	2402.5904	---	---
2DH5	Ant1	2441	1.2468	2440.3347	2441.5814	---	---
2DH5	Ant1	2480	1.2408	2479.3407	2480.5814	---	---
3DH5	Ant1	2402	1.2438	2401.3317	2402.5754	---	---
3DH5	Ant1	2441	1.2378	2440.3347	2441.5724	---	---
3DH5	Ant1	2480	1.2378	2479.3347	2480.5724	---	---

Test Graphs

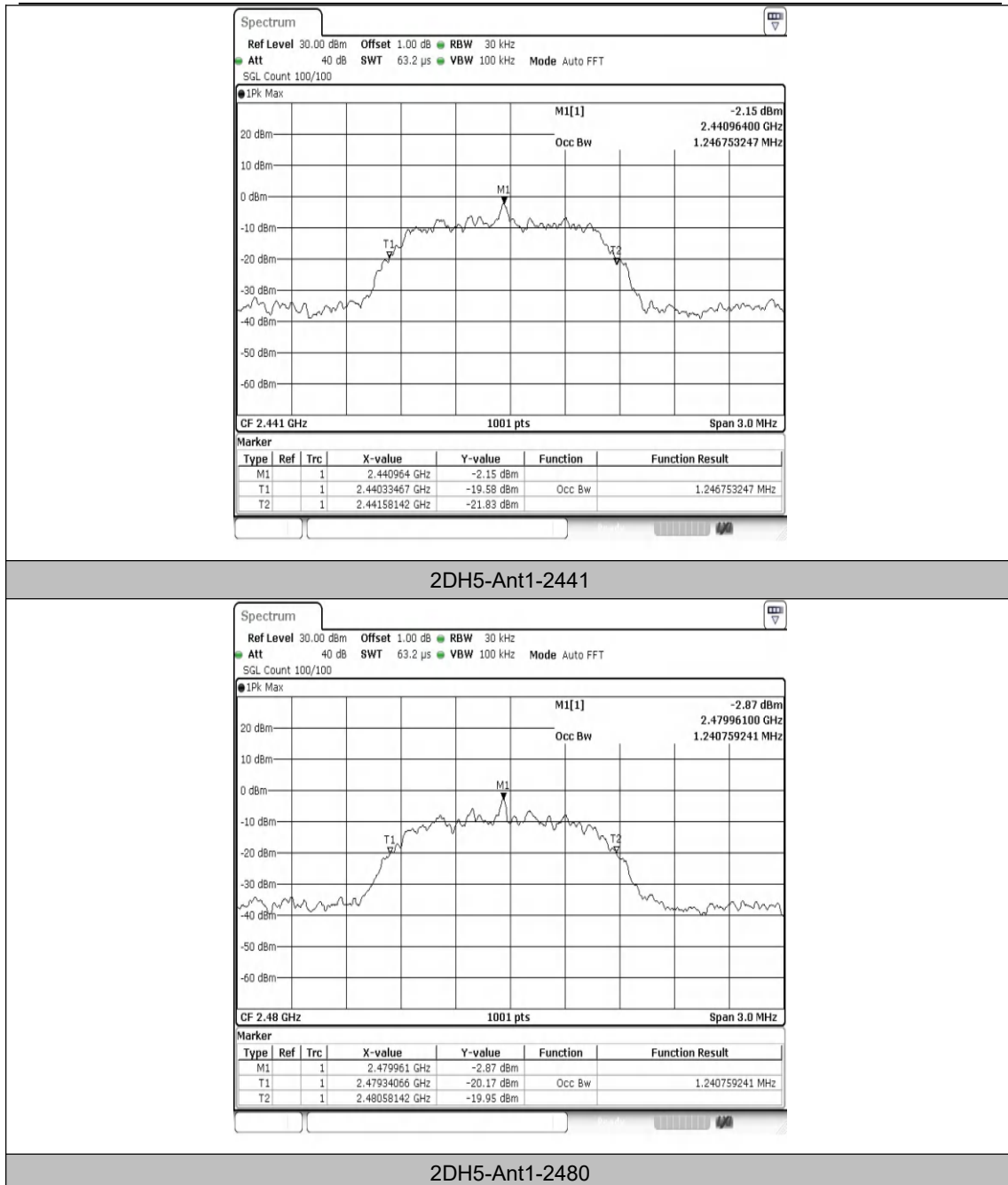


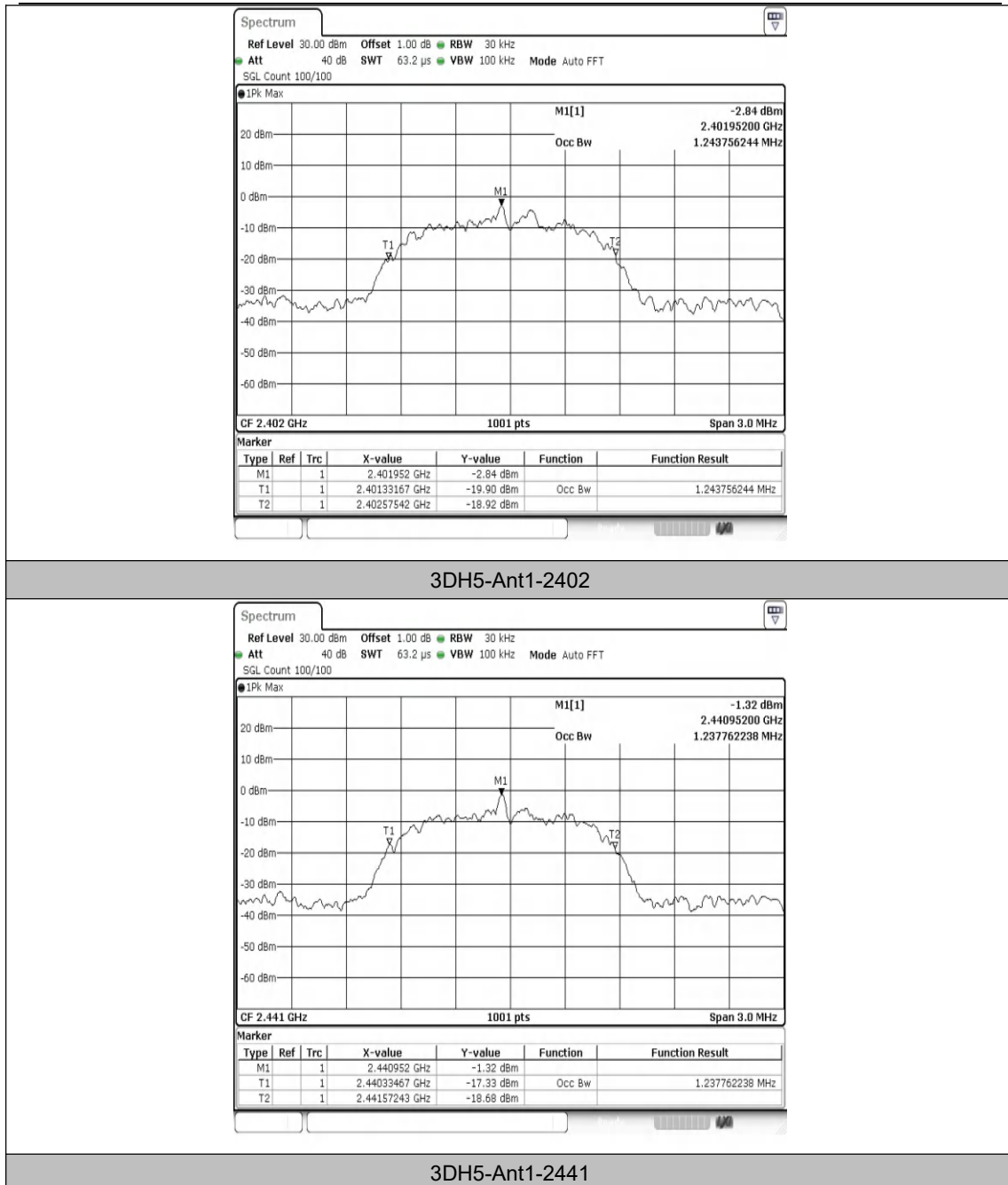


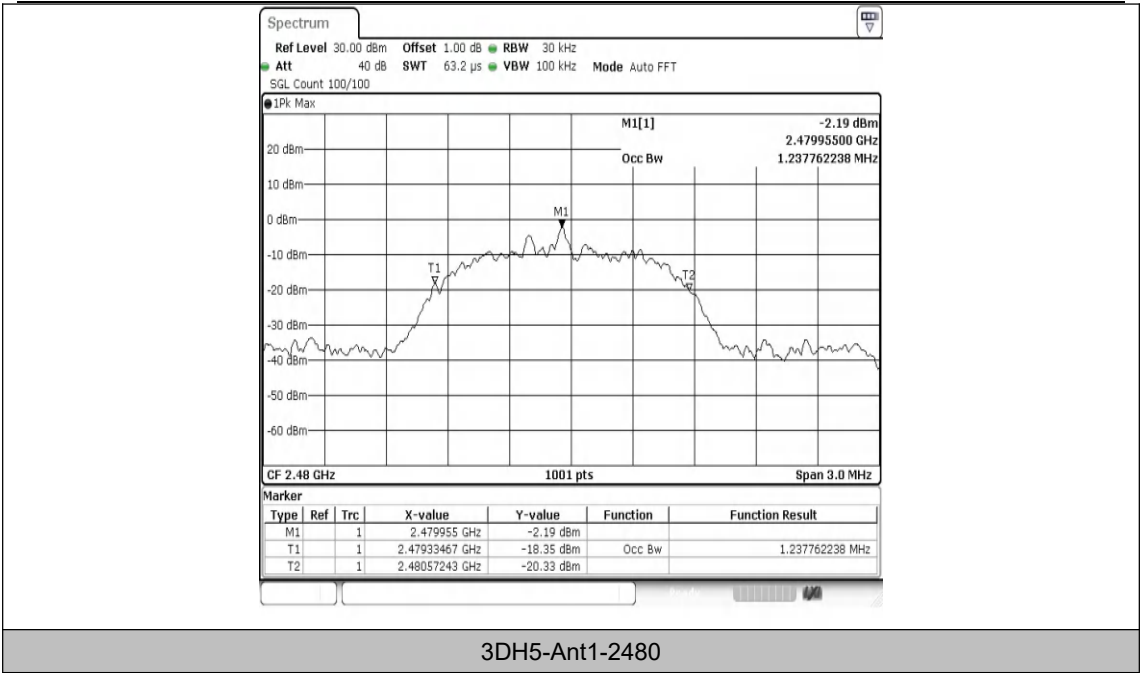
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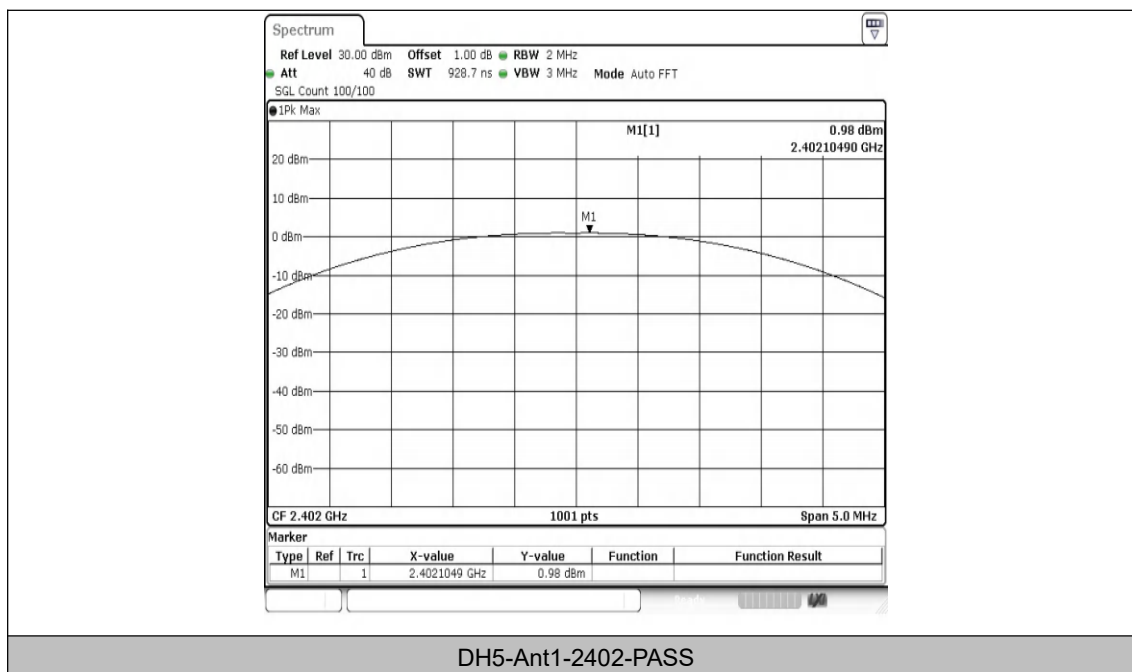
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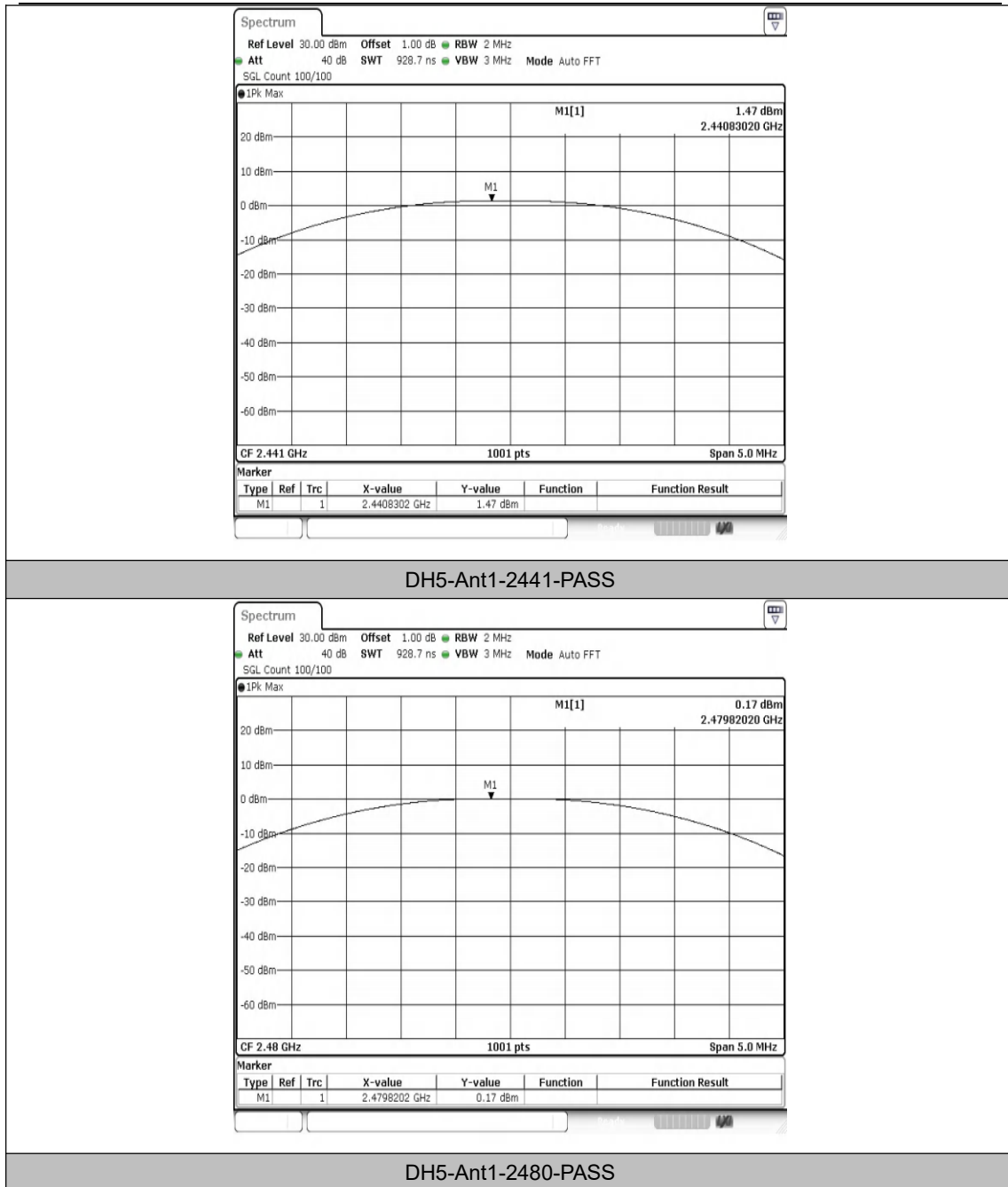
Appendix C: Maximum Conducted Output Power

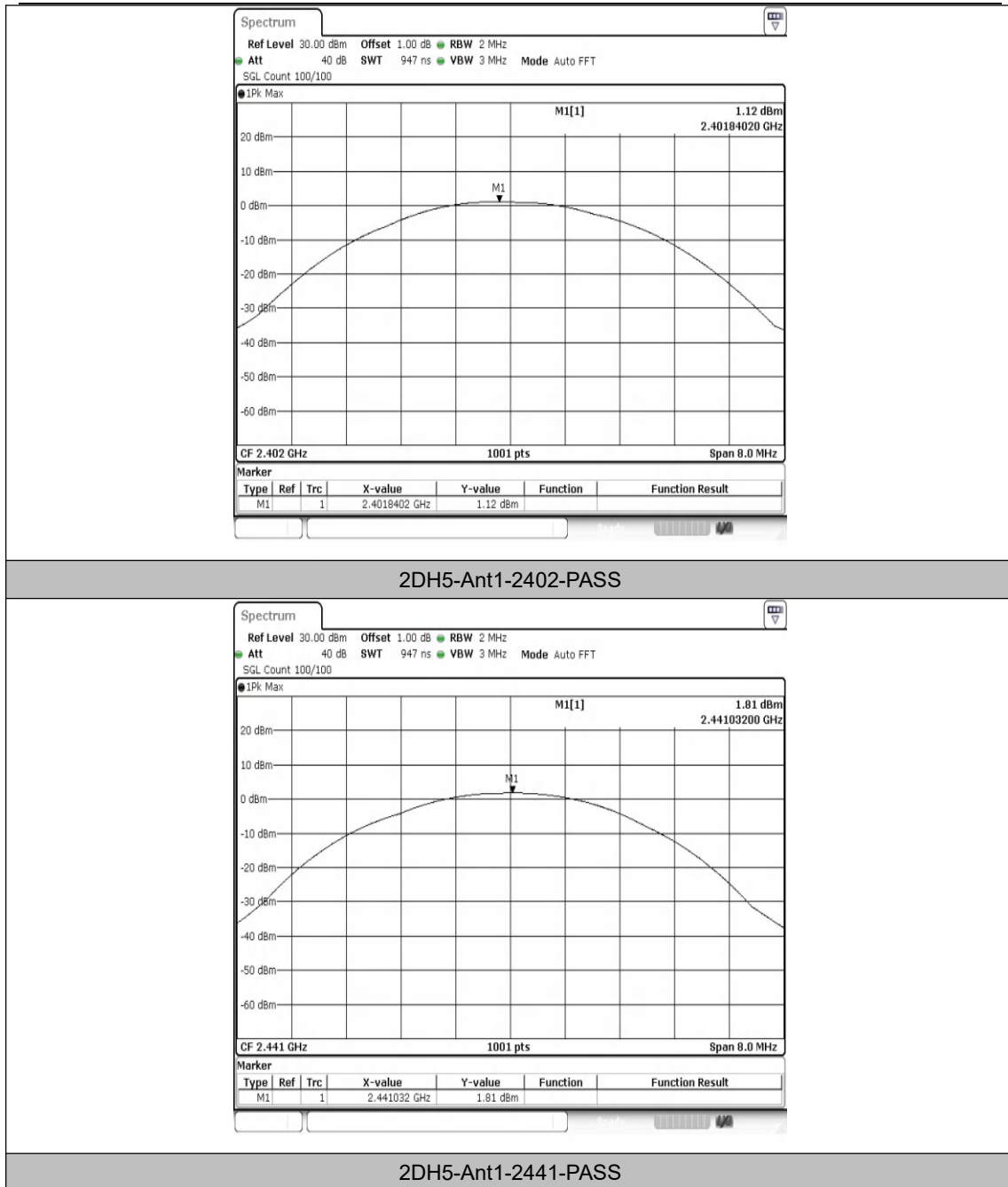
Test Result Peak

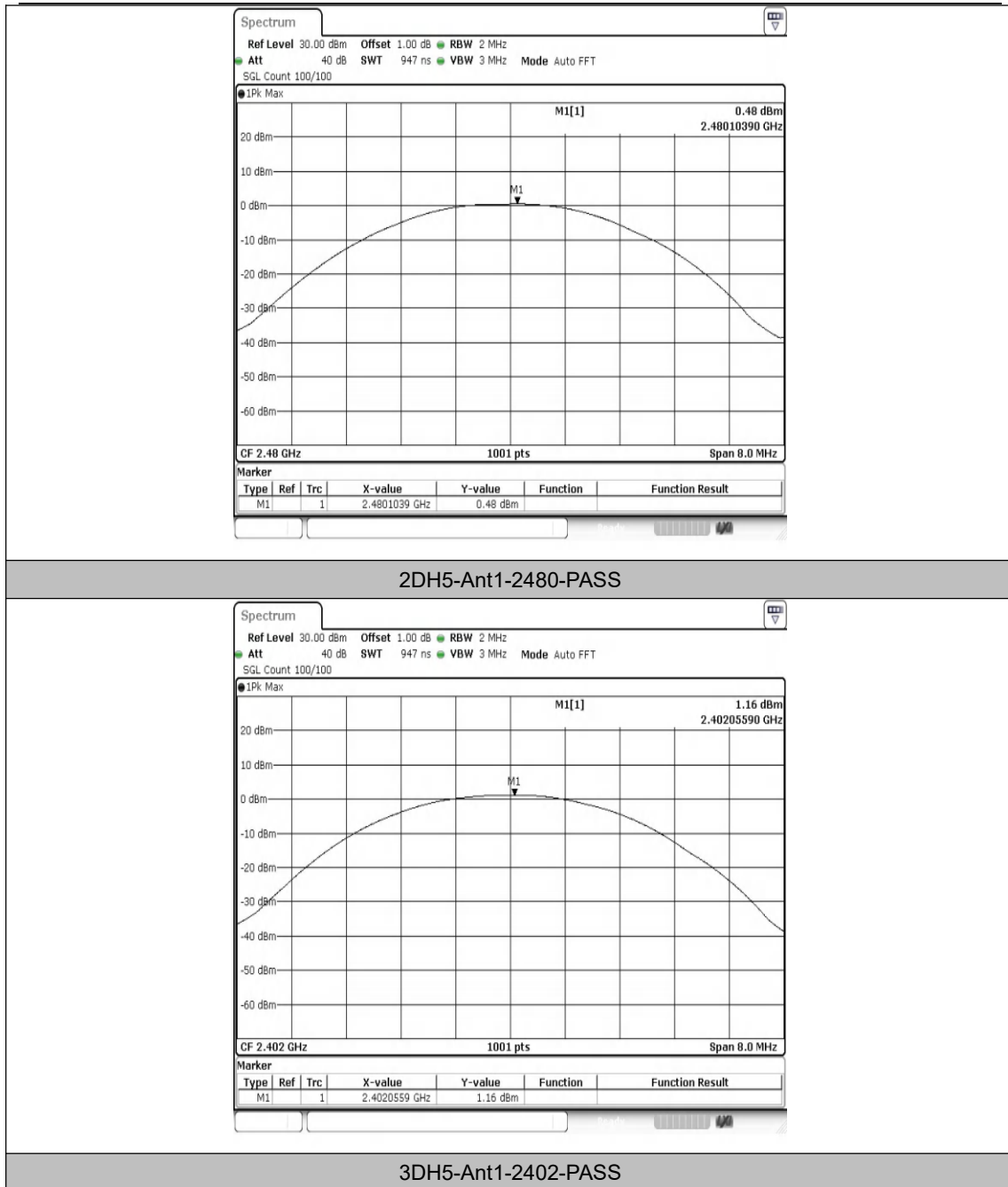
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.98	≤20.97	PASS
DH5	Ant1	2441	1.47	≤20.97	PASS
DH5	Ant1	2480	0.17	≤20.97	PASS
2DH5	Ant1	2402	1.12	≤20.97	PASS
2DH5	Ant1	2441	1.81	≤20.97	PASS
2DH5	Ant1	2480	0.48	≤20.97	PASS
3DH5	Ant1	2402	1.16	≤20.97	PASS
3DH5	Ant1	2441	1.96	≤20.97	PASS
3DH5	Ant1	2480	0.65	≤20.97	PASS

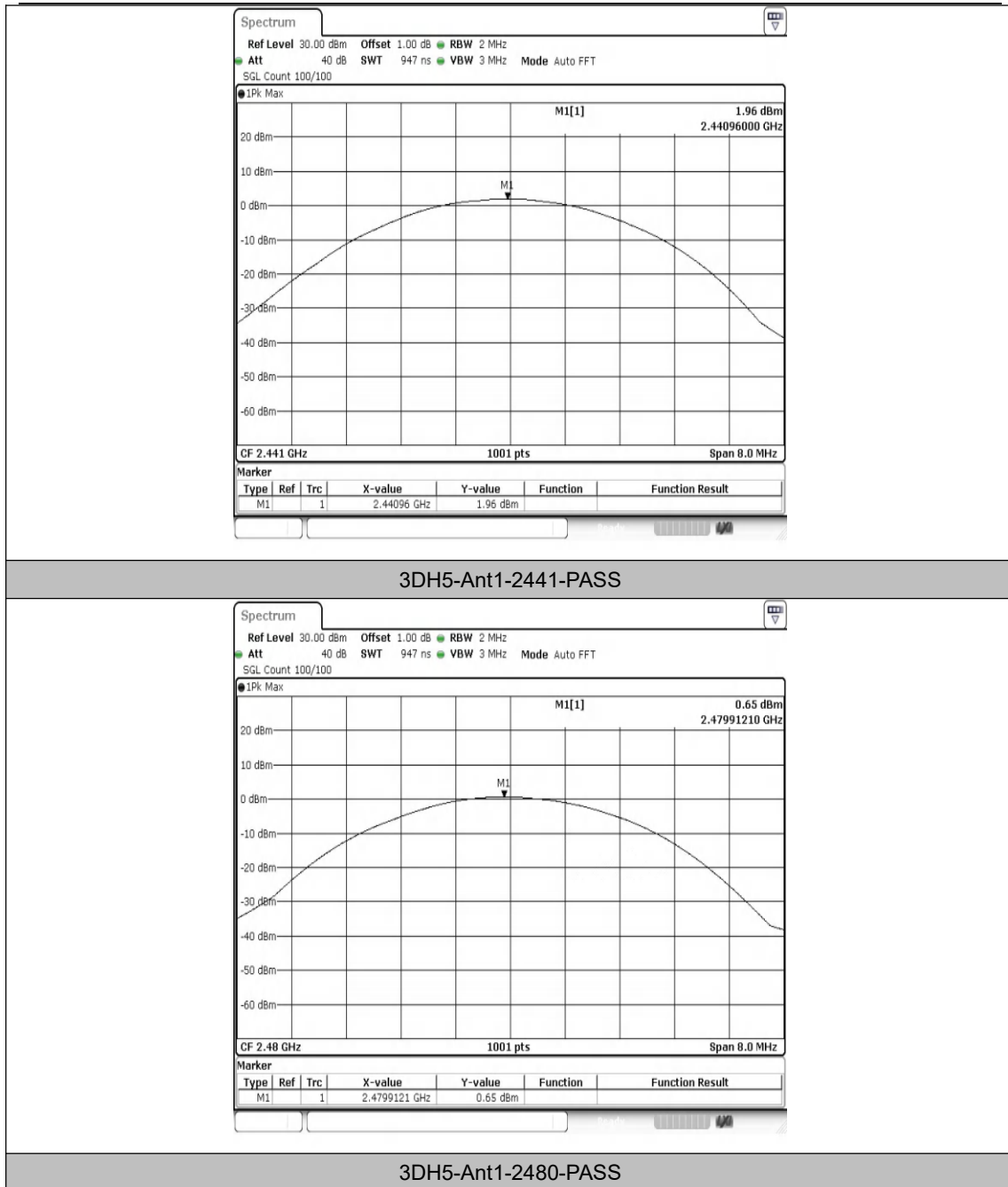
Test Graphs











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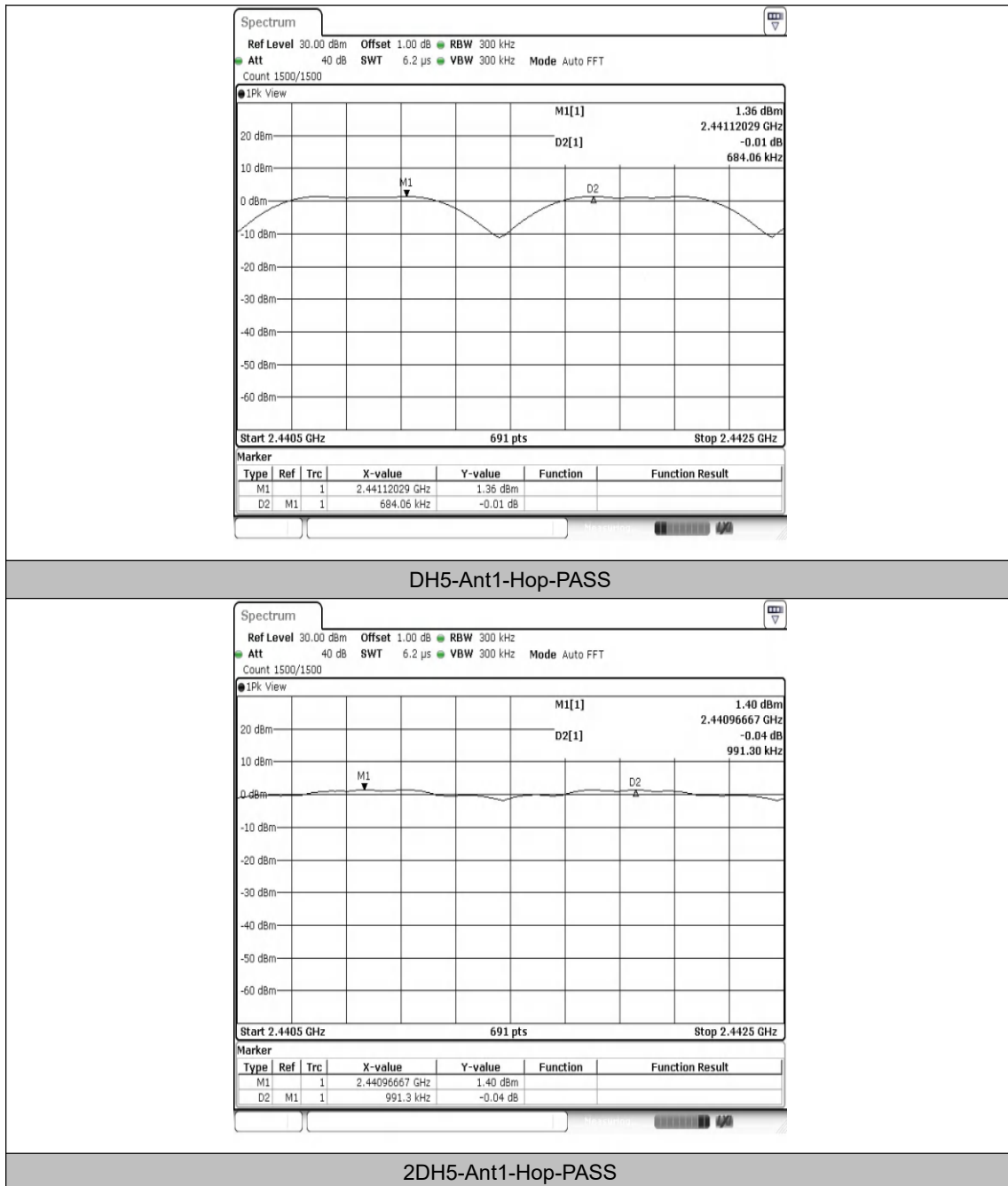
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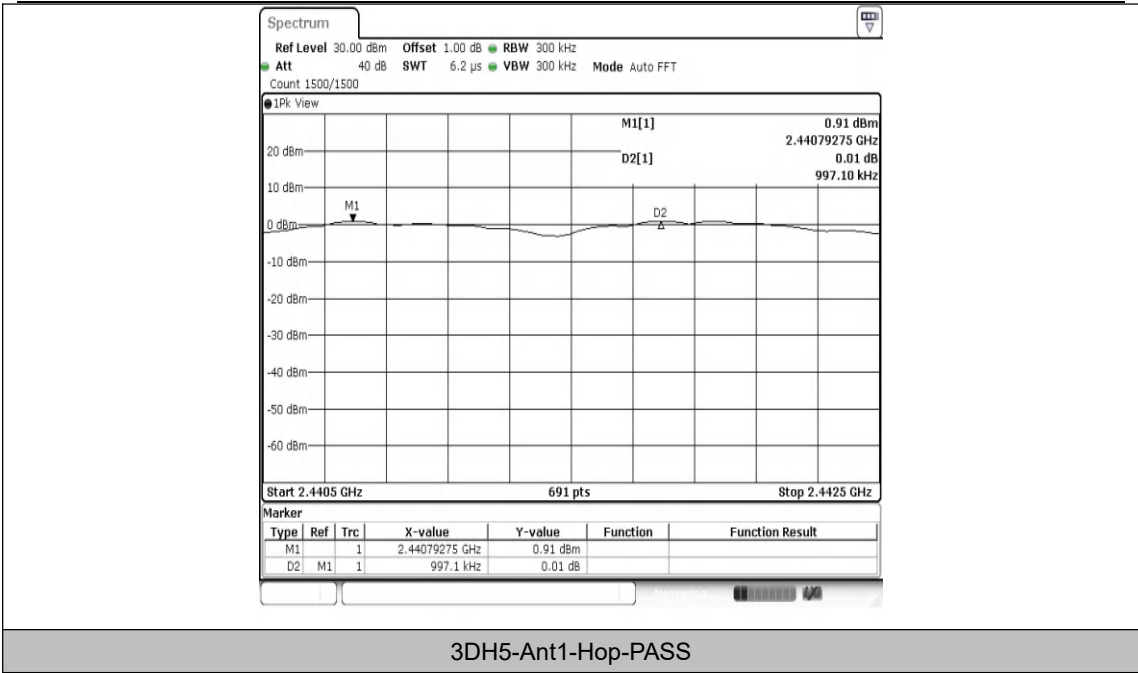
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥ 0.673	PASS
2DH5	Ant1	Hop	0.991	≥ 0.907	PASS
3DH5	Ant1	Hop	0.997	≥ 0.893	PASS

Test Graphs





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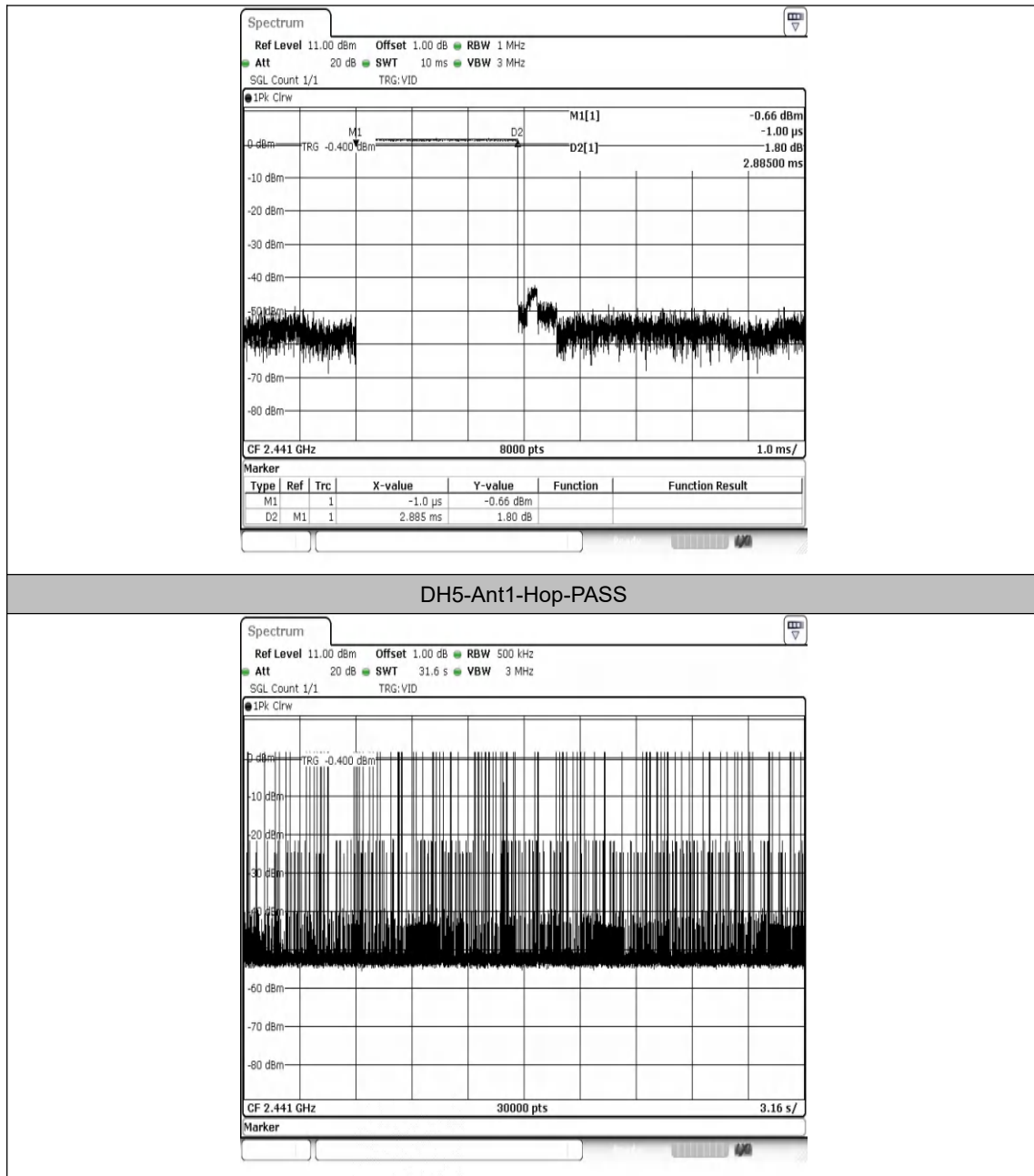
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	102	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.890	109	0.315	≤0.4	PASS
3DH5	Ant1	Hop	2.893	114	0.33	≤0.4	PASS

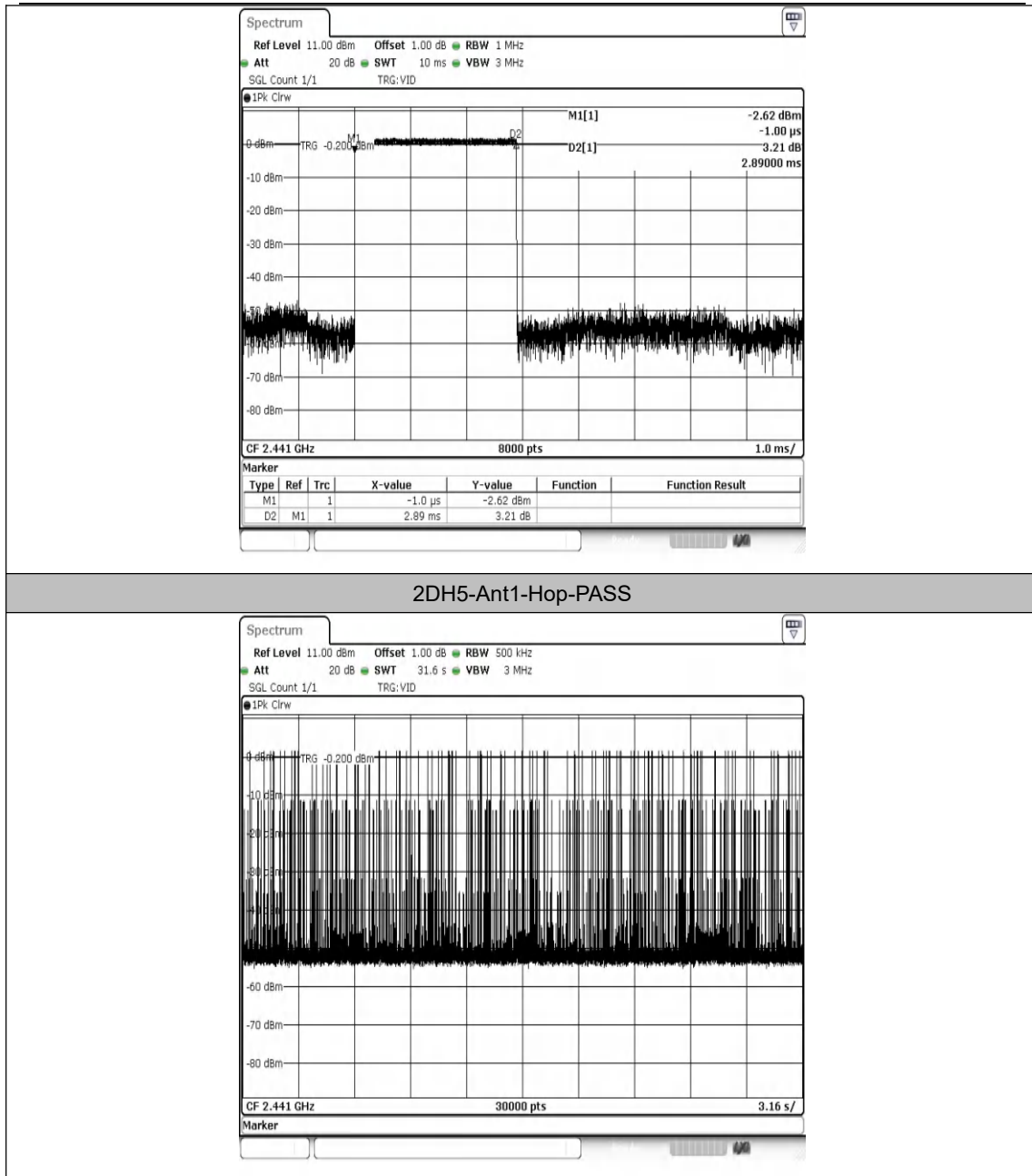
Test Graphs



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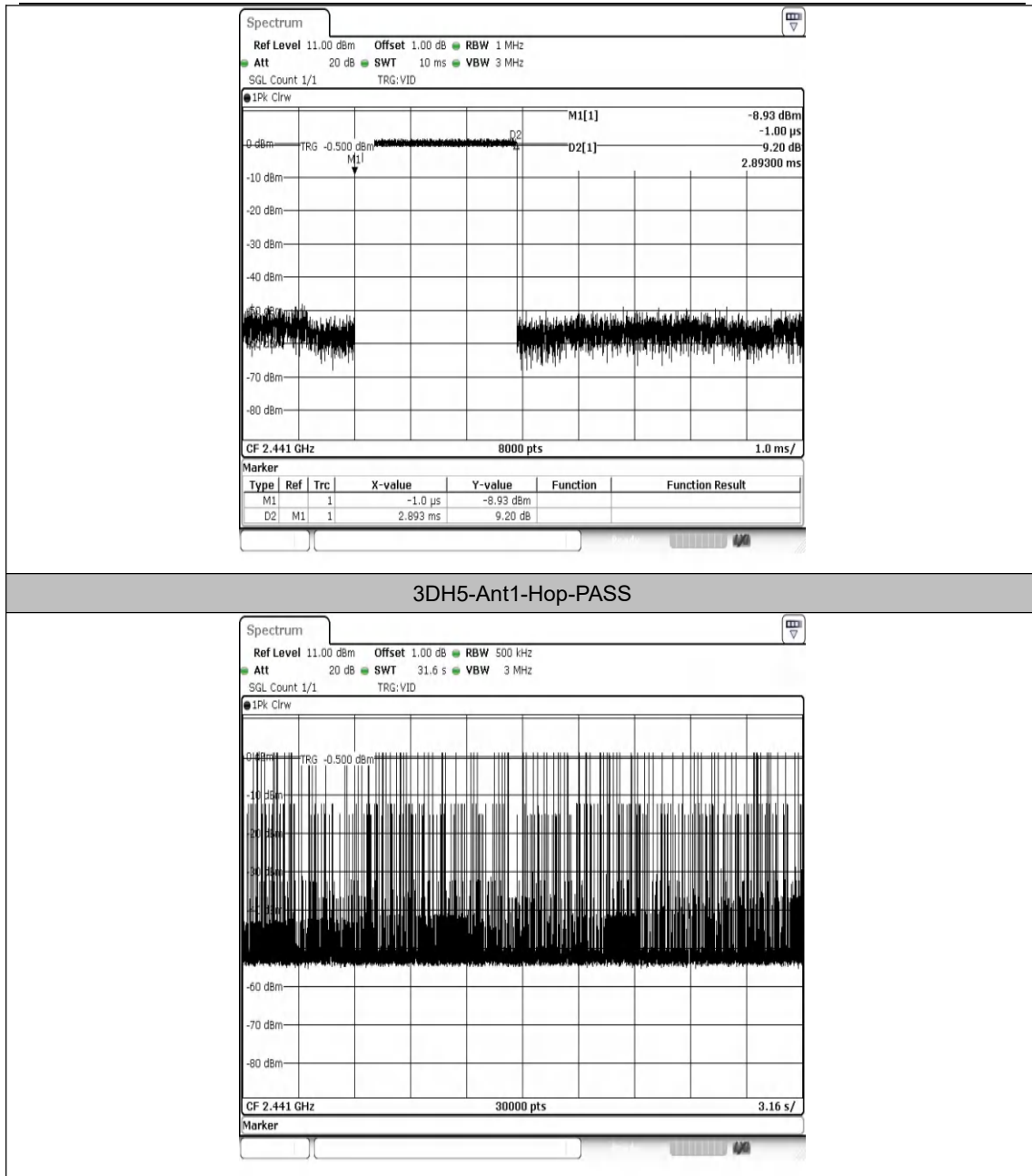
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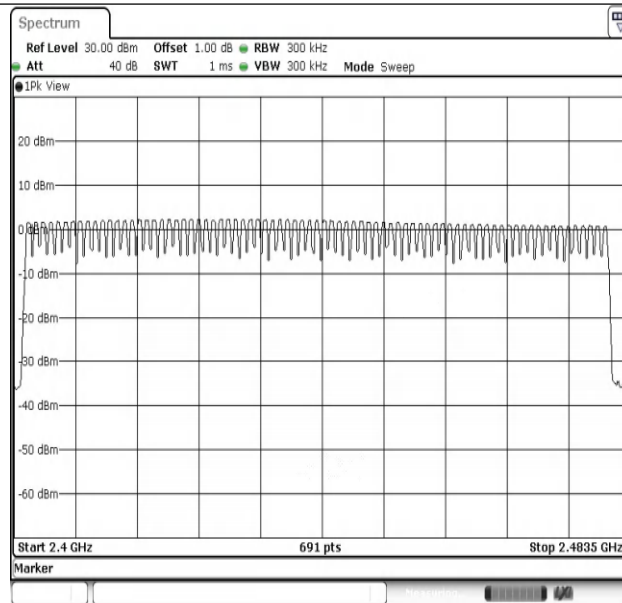
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Appendix F: Number of Hopping Channel

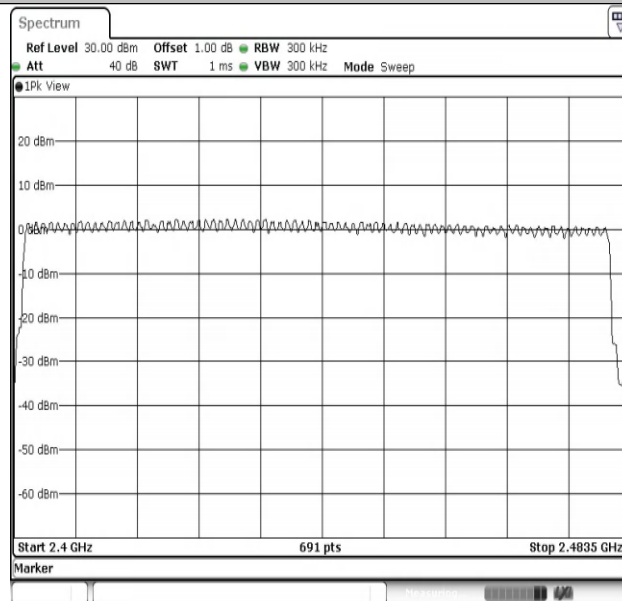
Test Result

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

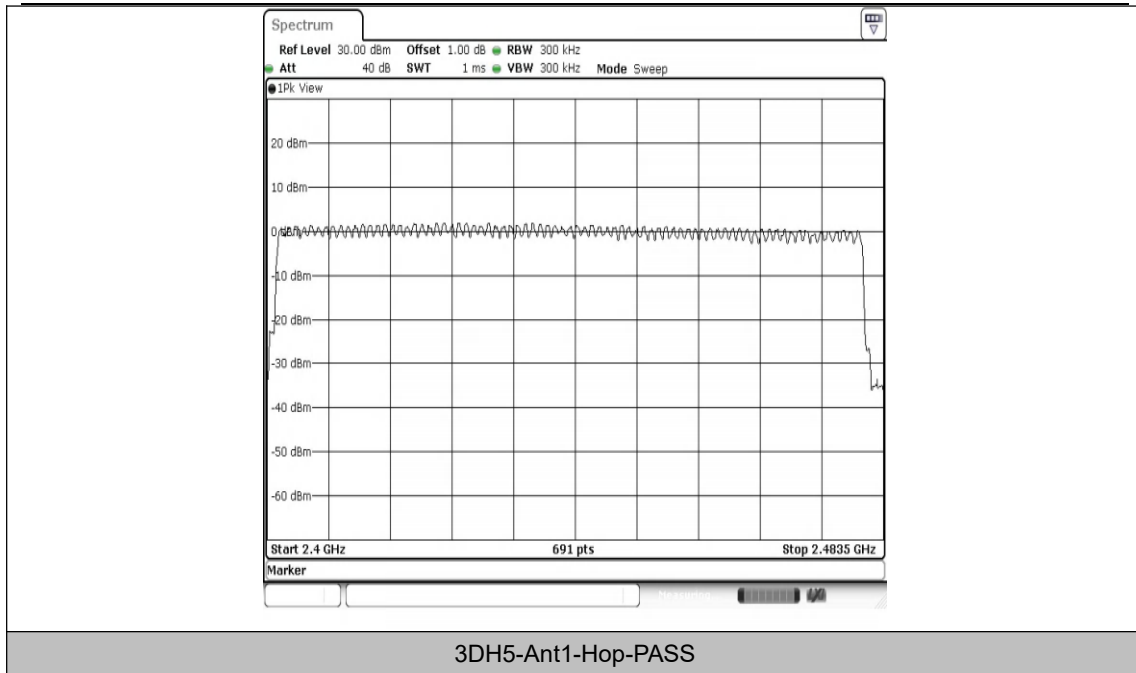
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



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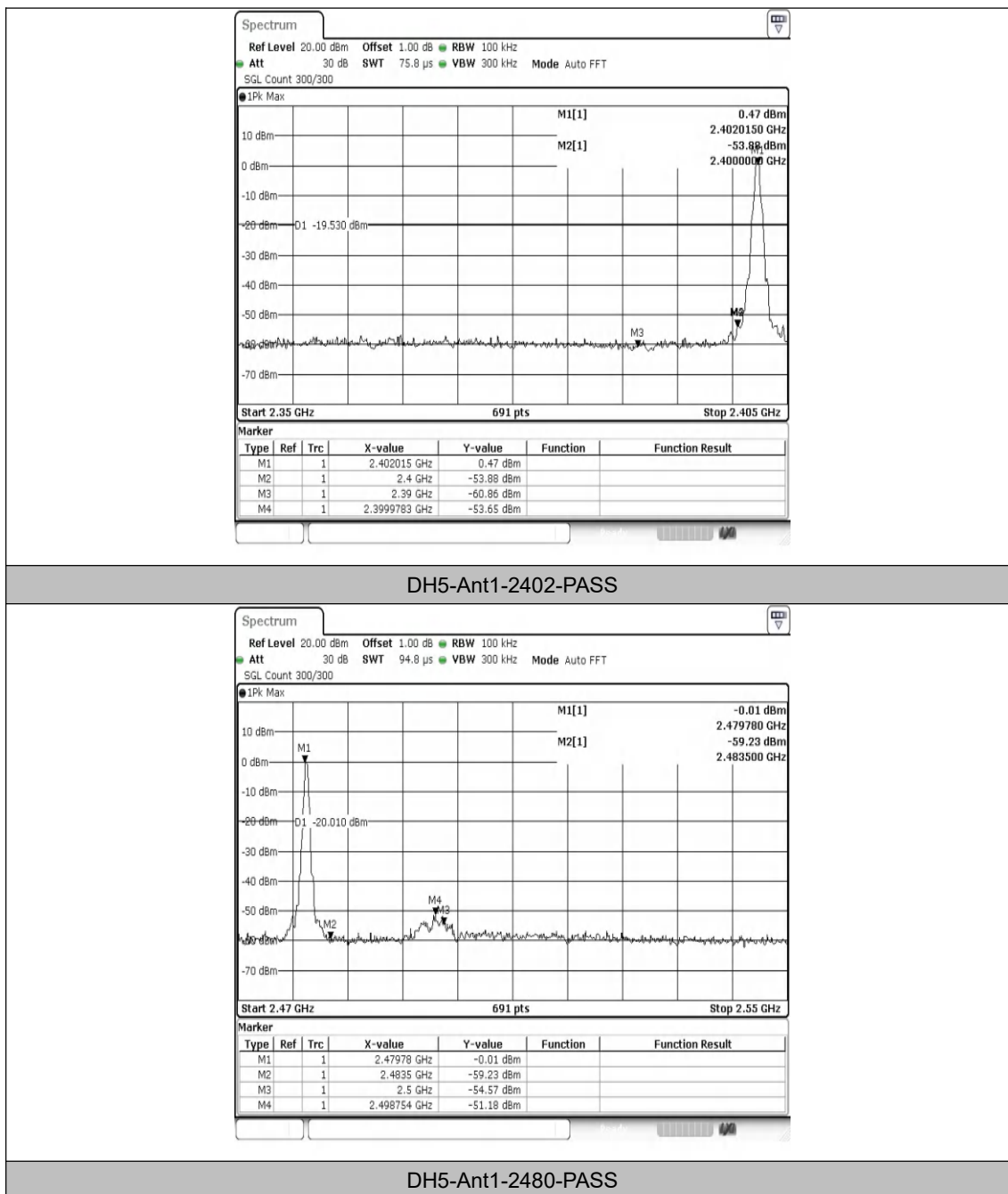
Appendix G: Conducted Band edge

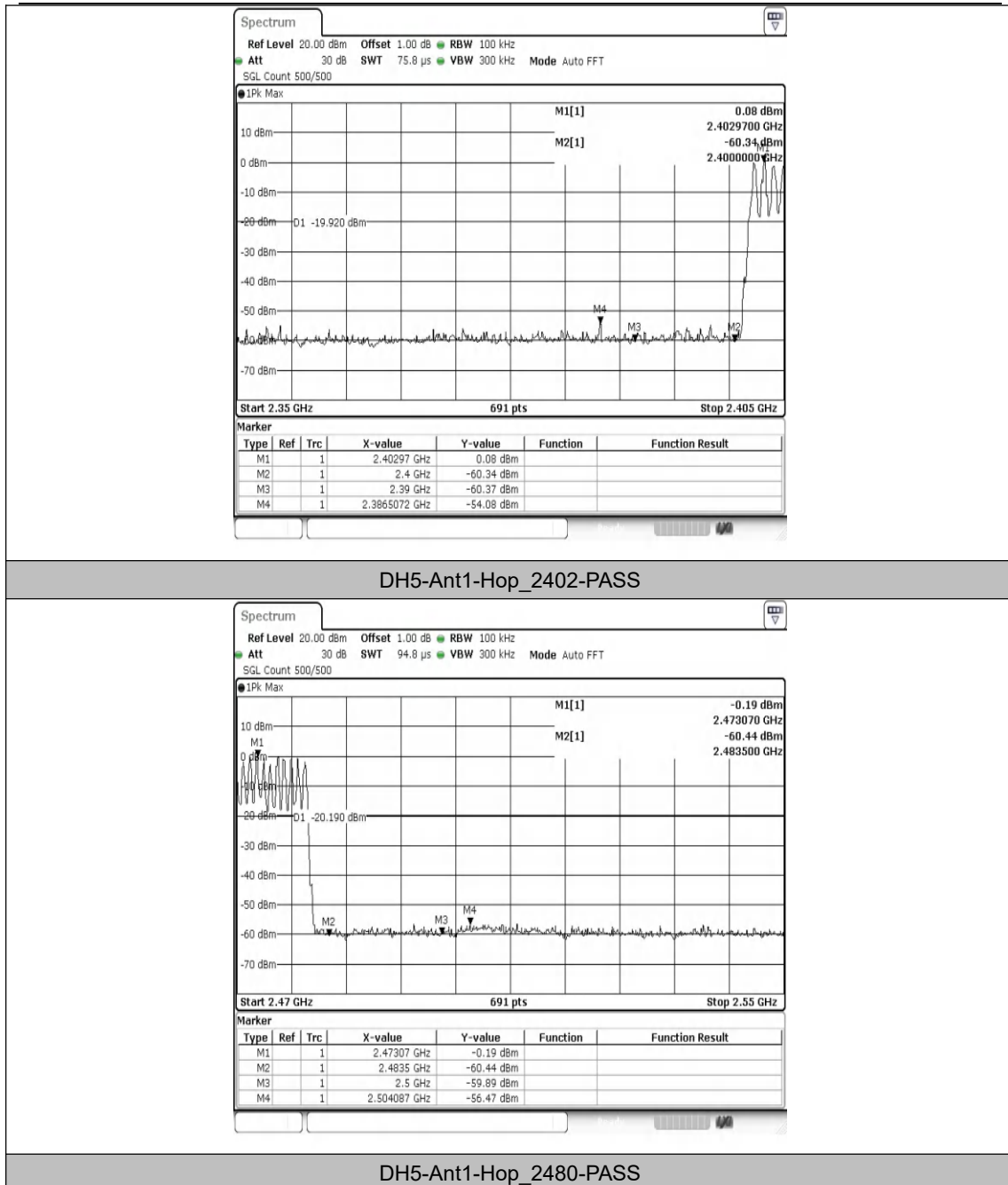
Test Result

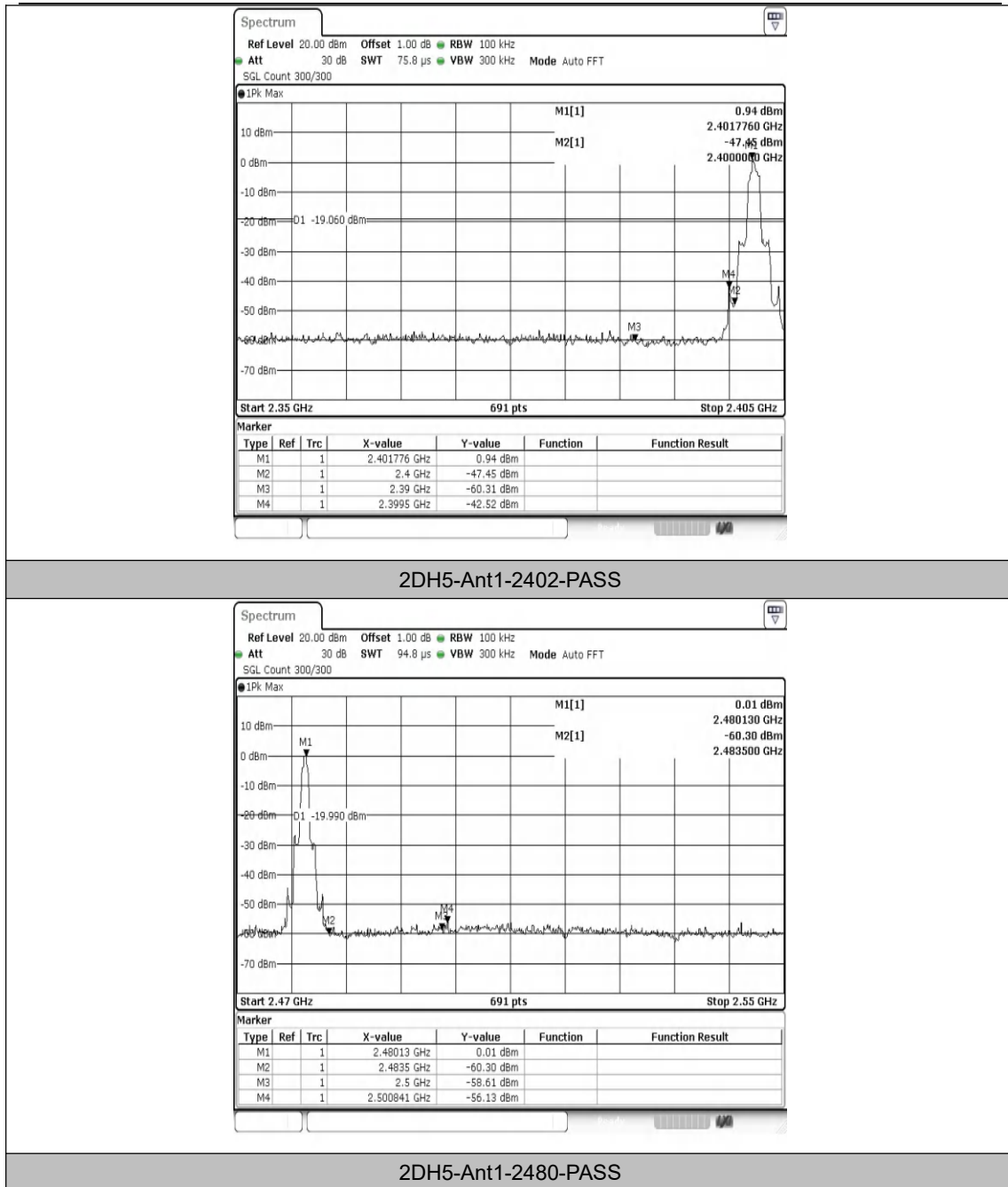
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.47	-53.65	≤-19.53	PASS
DH5	Ant1	High	2480	-0.01	-51.18	≤-20.01	PASS
DH5	Ant1	Low	Hop_2402	0.08	-54.08	≤-19.92	PASS
DH5	Ant1	High	Hop_2480	-0.19	-56.47	≤-20.19	PASS
2DH5	Ant1	Low	2402	0.94	-42.52	≤-19.06	PASS
2DH5	Ant1	High	2480	0.01	-56.13	≤-19.99	PASS
2DH5	Ant1	Low	Hop_2402	-2.61	-46.81	≤-22.61	PASS
2DH5	Ant1	High	Hop_2480	-0.20	-56.27	≤-20.2	PASS
3DH5	Ant1	Low	2402	0.80	-44.7	≤-19.2	PASS
3DH5	Ant1	High	2480	0.04	-53.33	≤-19.96	PASS
3DH5	Ant1	Low	Hop_2402	-1.86	-51.72	≤-21.86	PASS
3DH5	Ant1	High	Hop_2480	-0.31	-49.91	≤-20.31	PASS

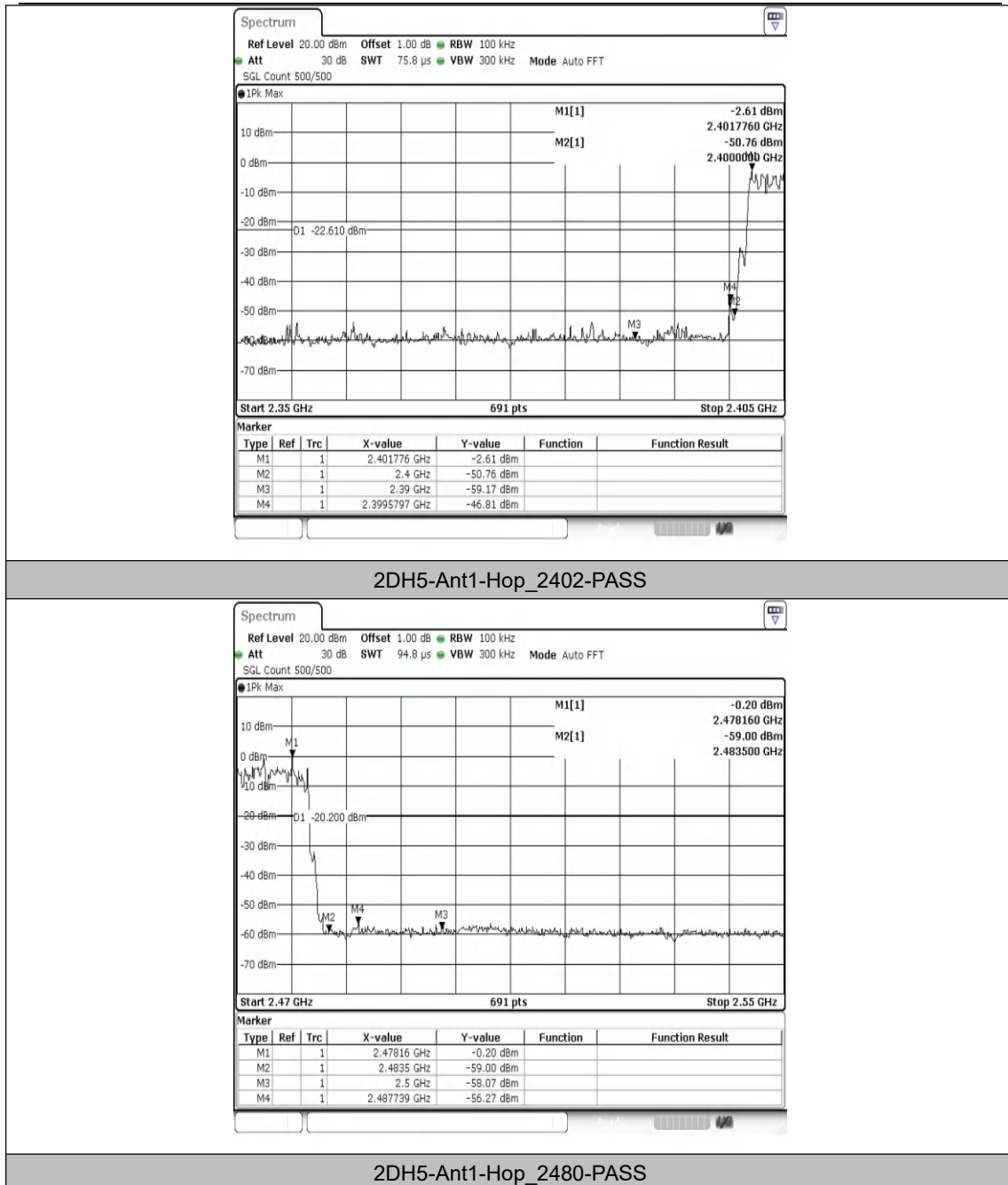
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

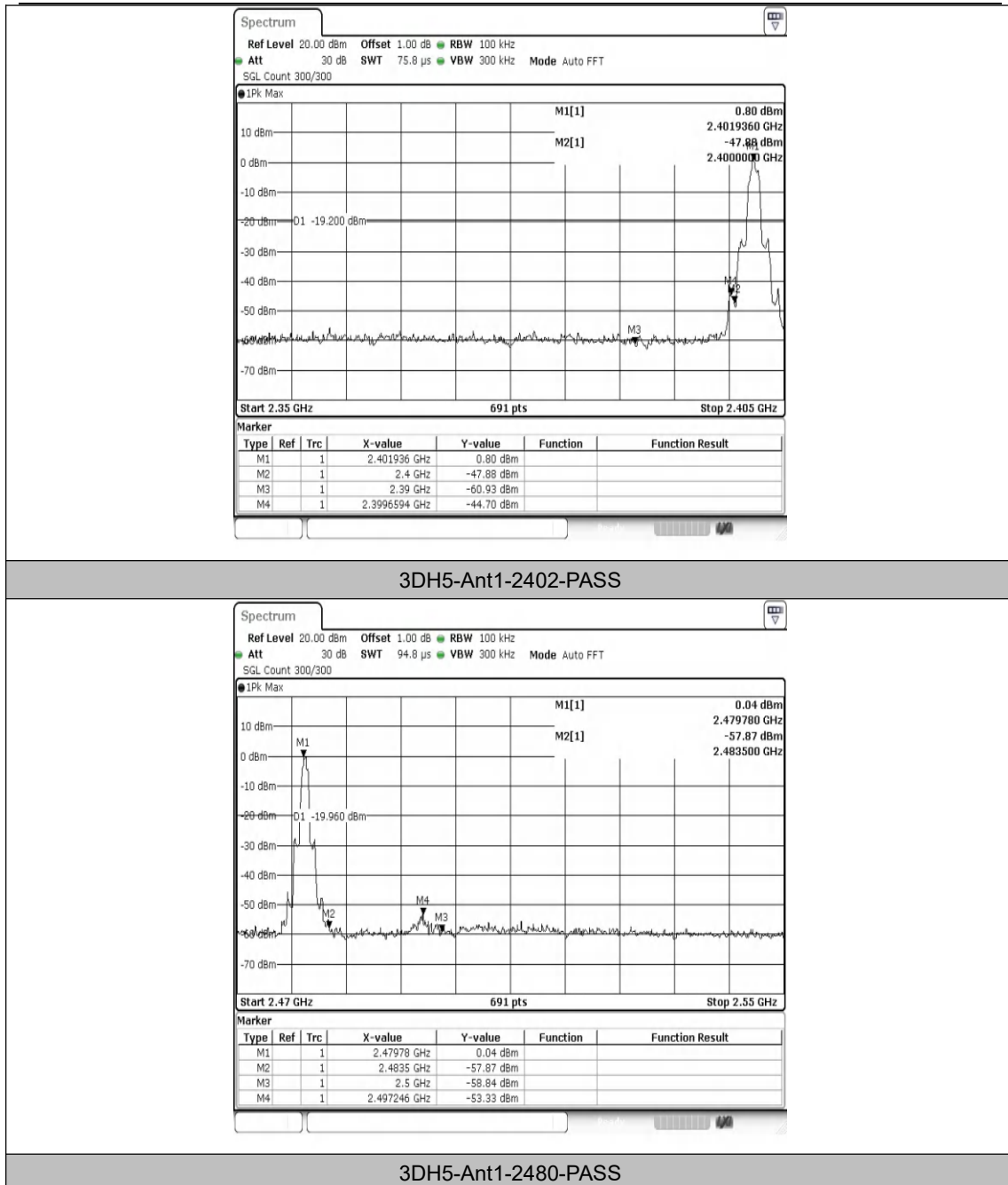
Test Graphs

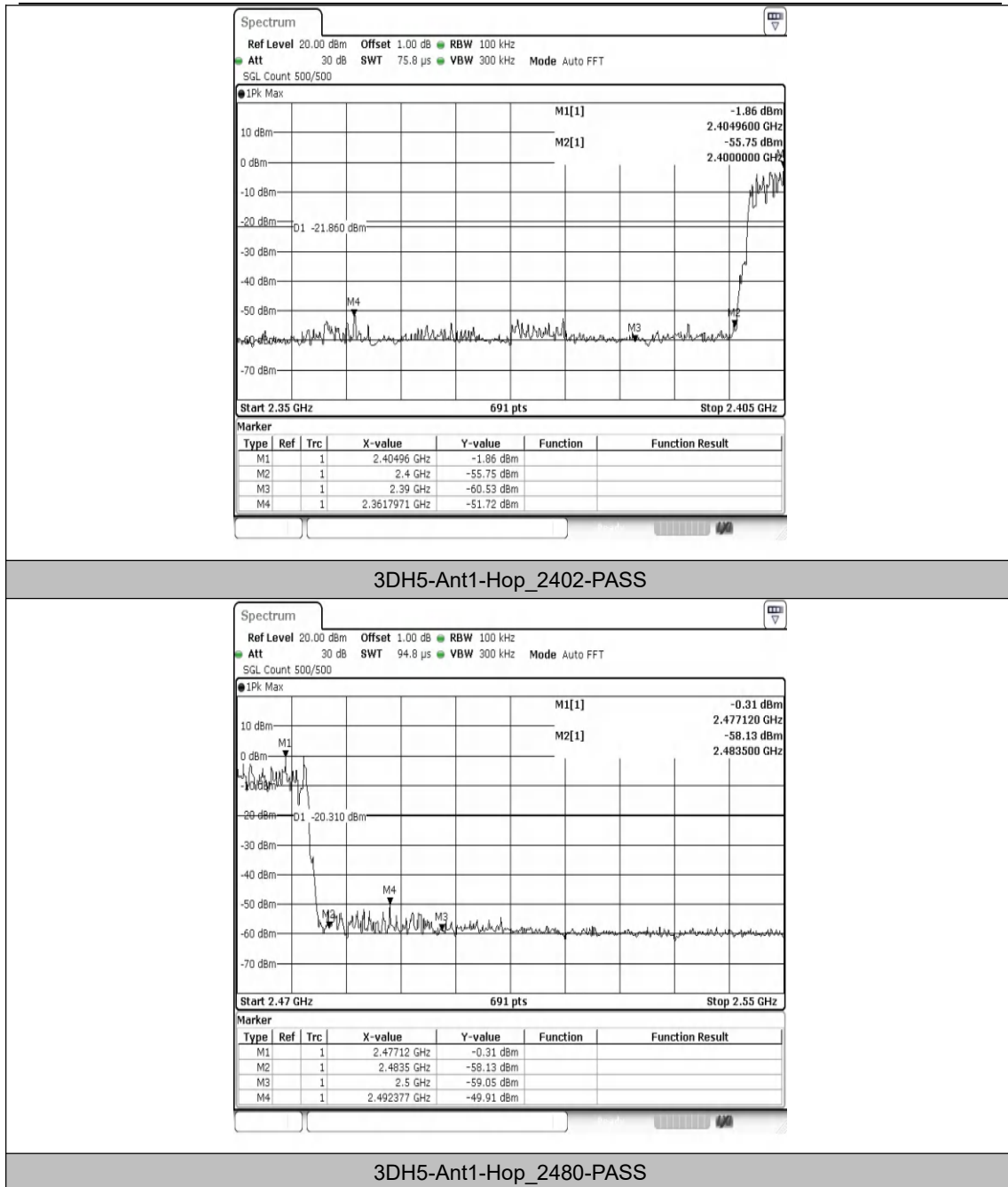












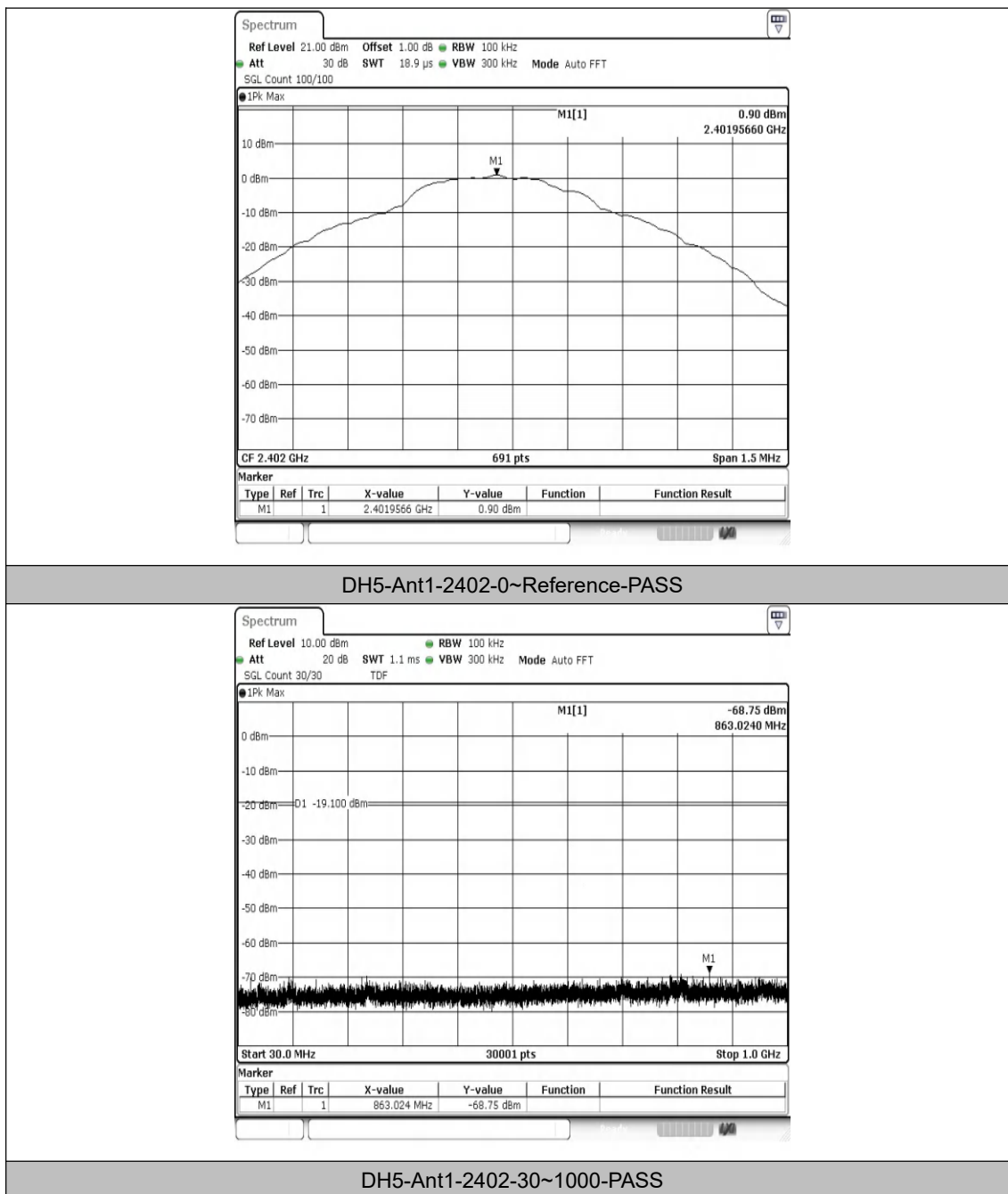
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.90	0.90	---	PASS
DH5	Ant1	2402	30~1000	0.90	-68.75	≤-19.1	PASS
DH5	Ant1	2402	1000~26500	0.90	-41.91	≤-19.1	PASS
DH5	Ant1	2441	0~Reference	1.21	1.21	---	PASS
DH5	Ant1	2441	30~1000	1.21	-69.04	≤-18.79	PASS
DH5	Ant1	2441	1000~26500	1.21	-43.72	≤-18.79	PASS
DH5	Ant1	2480	0~Reference	0.10	0.10	---	PASS
DH5	Ant1	2480	30~1000	0.10	-68.68	≤-19.9	PASS
DH5	Ant1	2480	1000~26500	0.10	-42.64	≤-19.9	PASS
2DH5	Ant1	2402	0~Reference	0.92	0.92	---	PASS
2DH5	Ant1	2402	30~1000	0.92	-68.08	≤-19.08	PASS
2DH5	Ant1	2402	1000~26500	0.92	-44.54	≤-19.08	PASS
2DH5	Ant1	2441	0~Reference	1.39	1.39	---	PASS
2DH5	Ant1	2441	30~1000	1.39	-69.65	≤-18.61	PASS
2DH5	Ant1	2441	1000~26500	1.39	-41.67	≤-18.61	PASS
2DH5	Ant1	2480	0~Reference	-0.05	-0.05	---	PASS
2DH5	Ant1	2480	30~1000	-0.05	-69.08	≤-20.05	PASS
2DH5	Ant1	2480	1000~26500	-0.05	-41.55	≤-20.05	PASS
3DH5	Ant1	2402	0~Reference	0.60	0.60	---	PASS
3DH5	Ant1	2402	30~1000	0.60	-67.92	≤-19.4	PASS
3DH5	Ant1	2402	1000~26500	0.60	-45.41	≤-19.4	PASS
3DH5	Ant1	2441	0~Reference	1.40	1.40	---	PASS
3DH5	Ant1	2441	30~1000	1.40	-54.66	≤-18.6	PASS
3DH5	Ant1	2441	1000~26500	1.40	-38.3	≤-18.6	PASS
3DH5	Ant1	2480	0~Reference	-1.04	-1.04	---	PASS
3DH5	Ant1	2480	30~1000	-1.04	-47.4	≤-21.04	PASS
3DH5	Ant1	2480	1000~26500	-1.04	-41.86	≤-21.04	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.

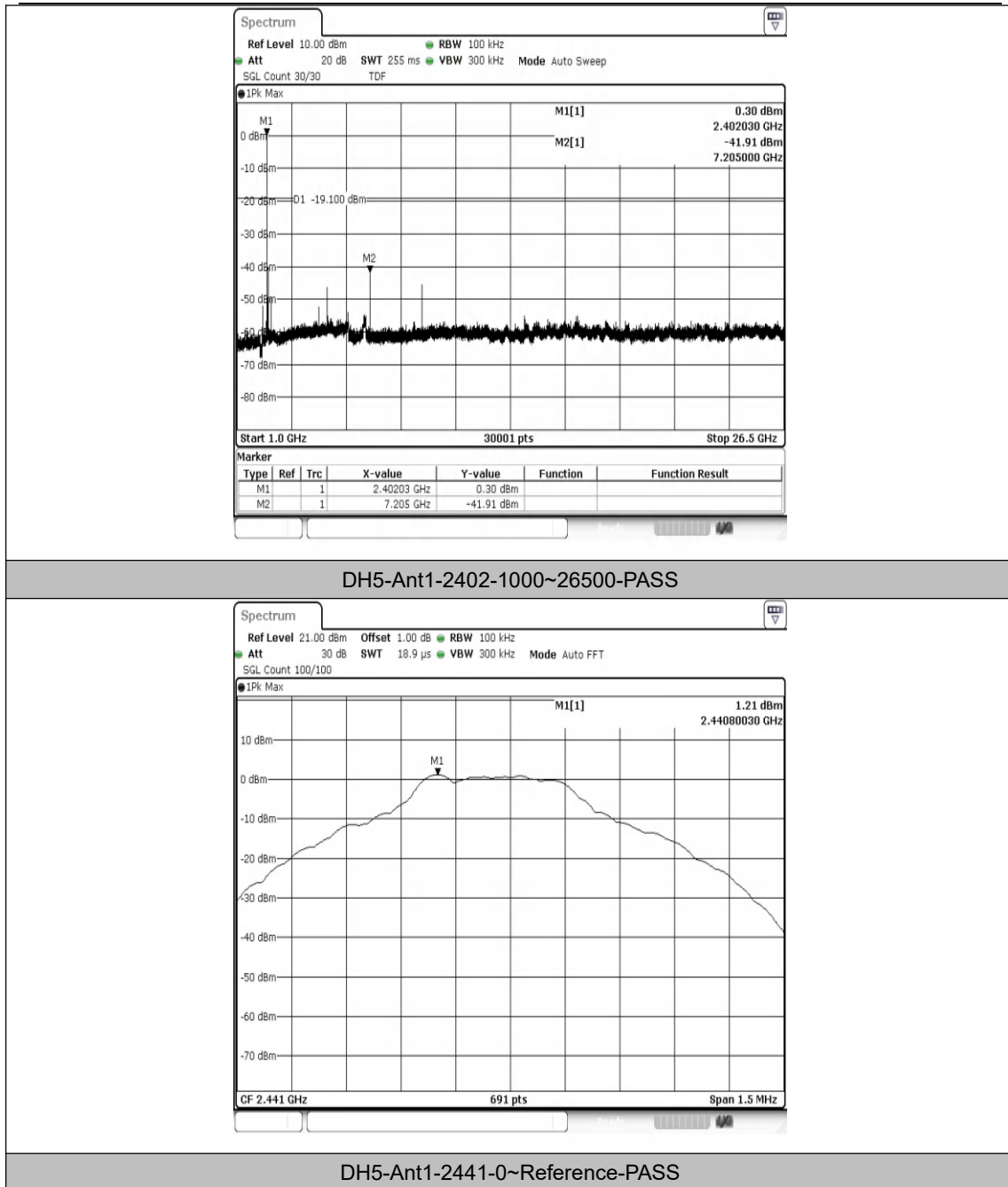
Test Graphs



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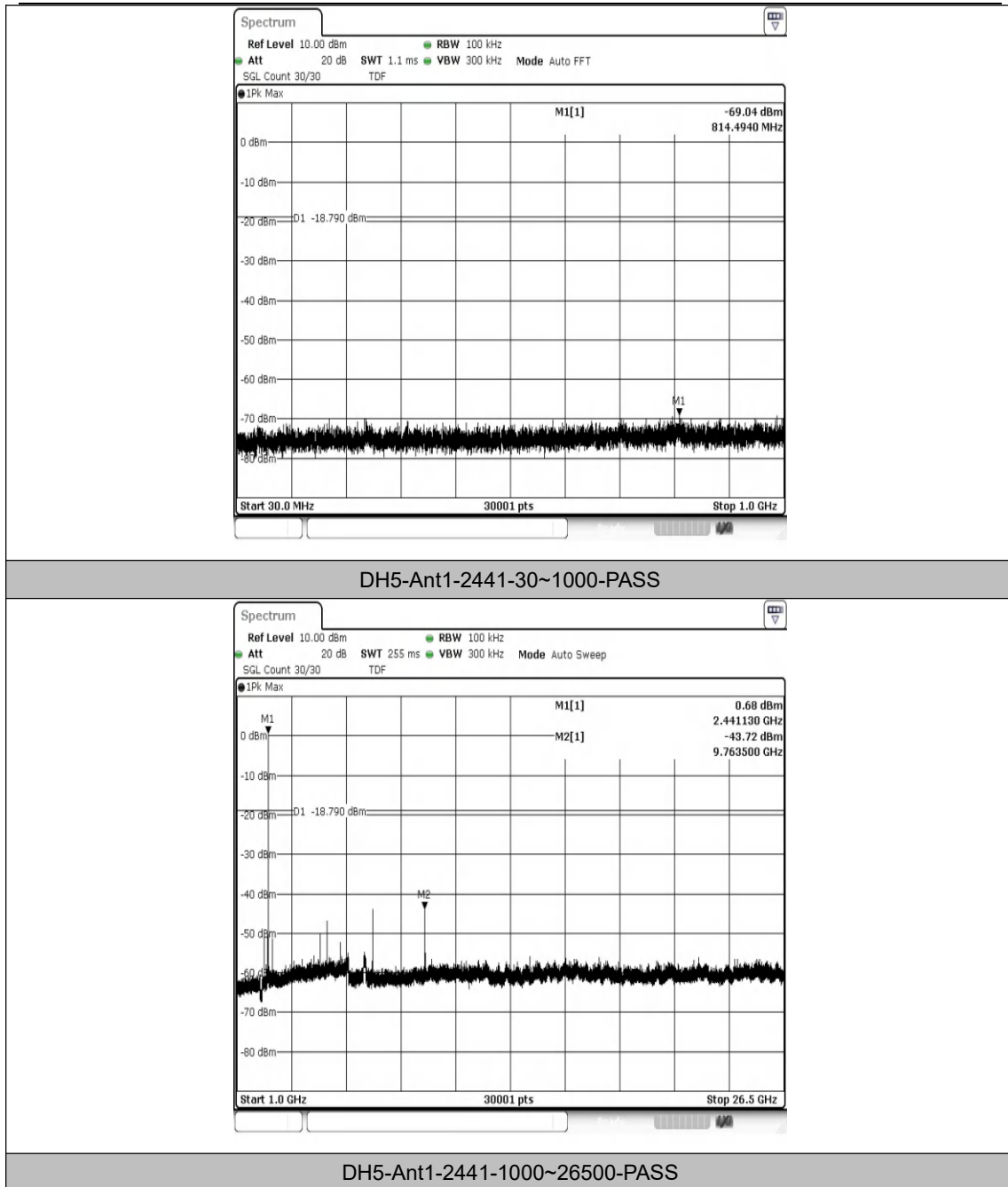
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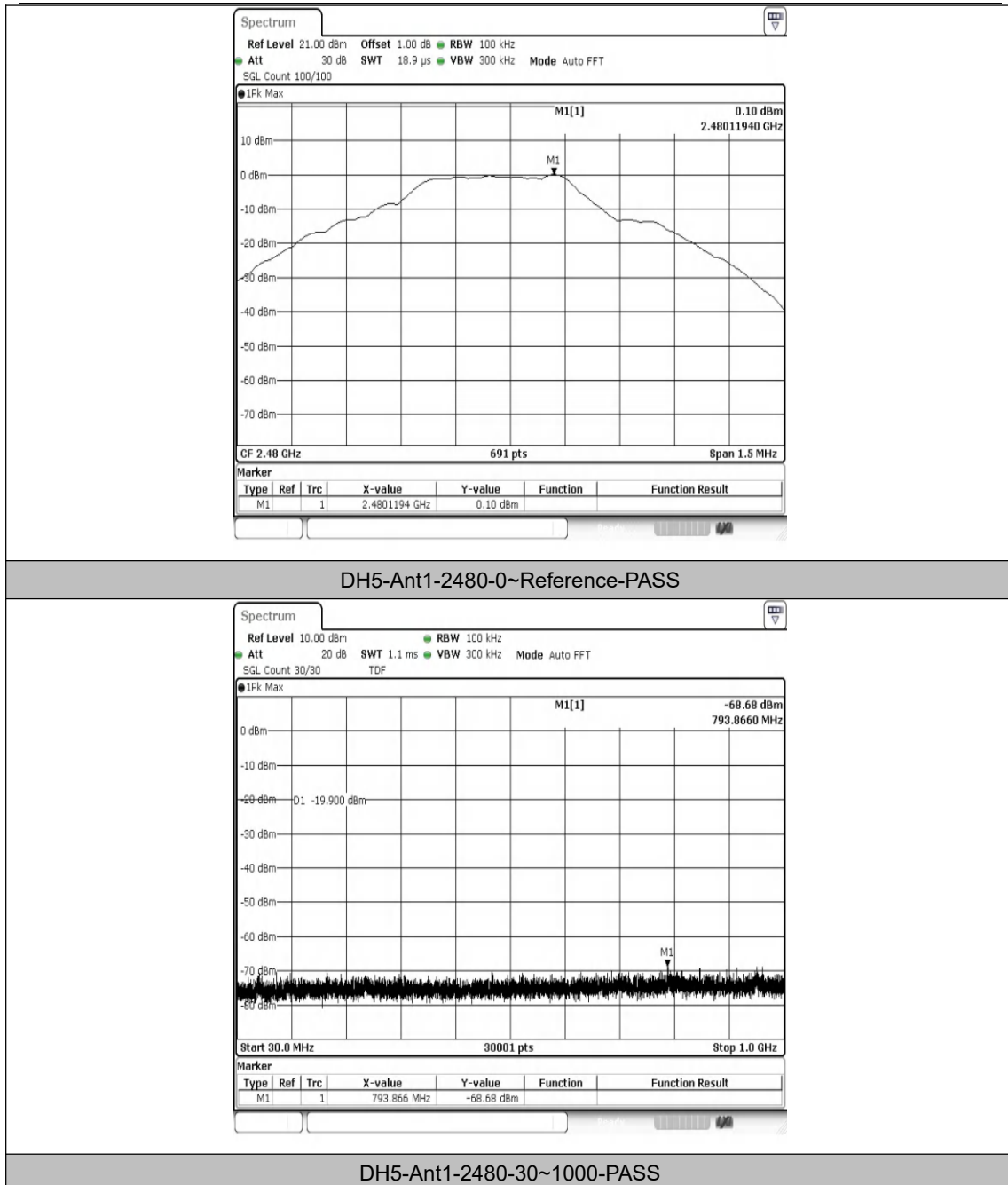
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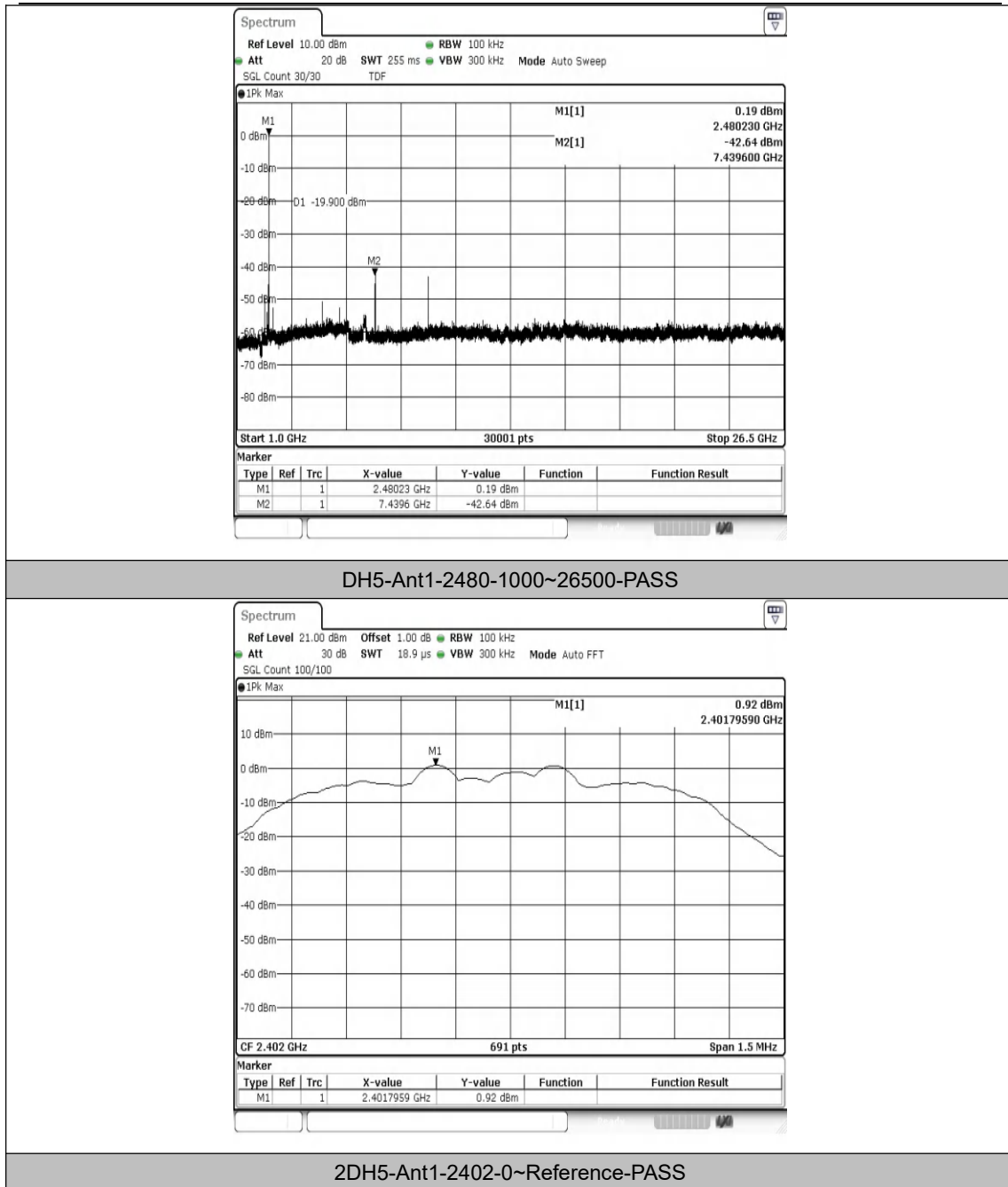


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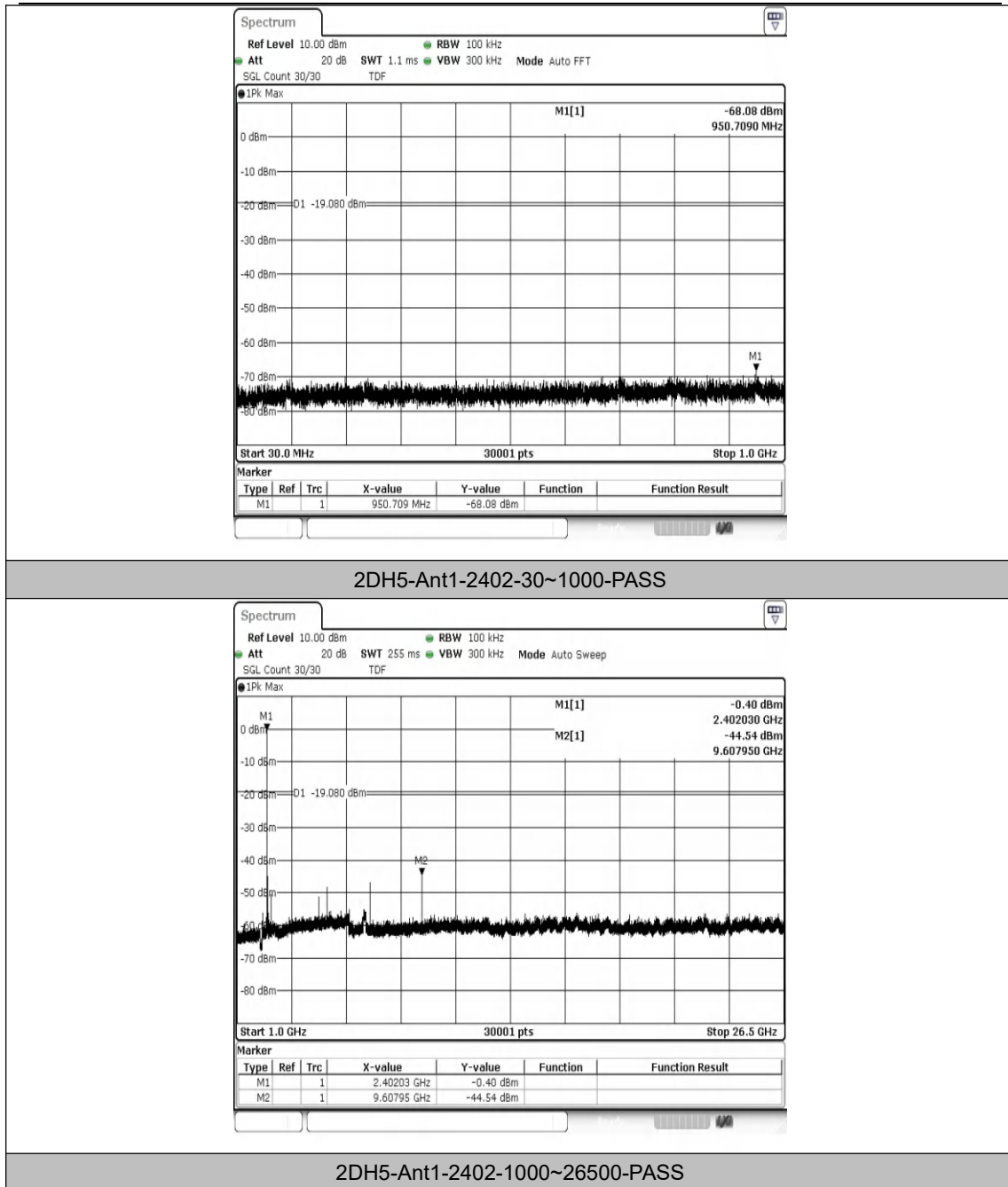




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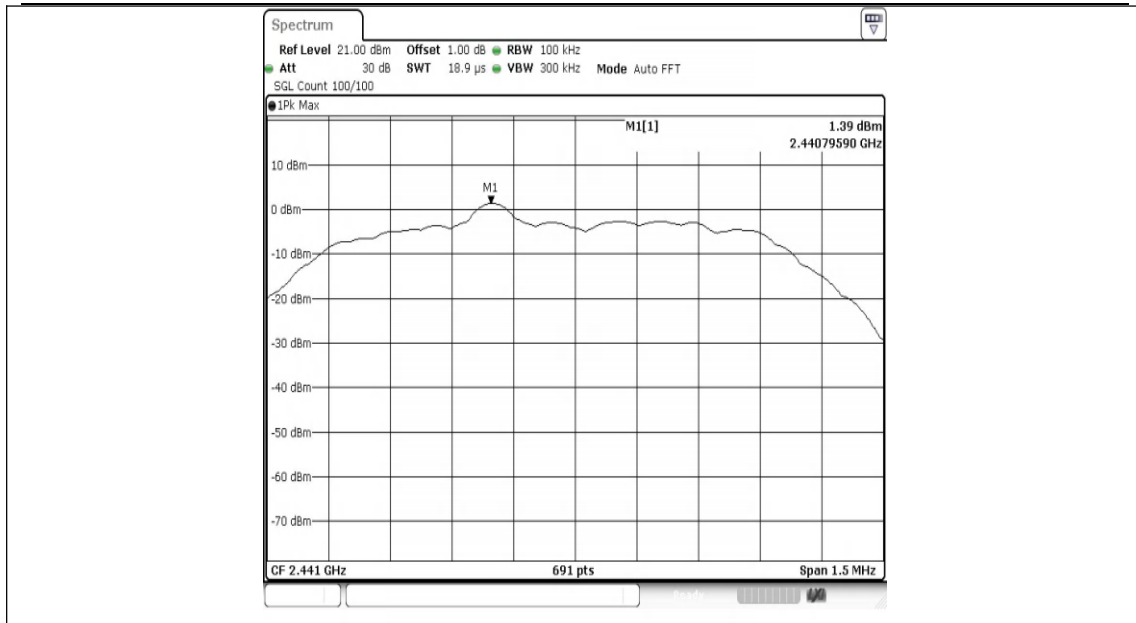
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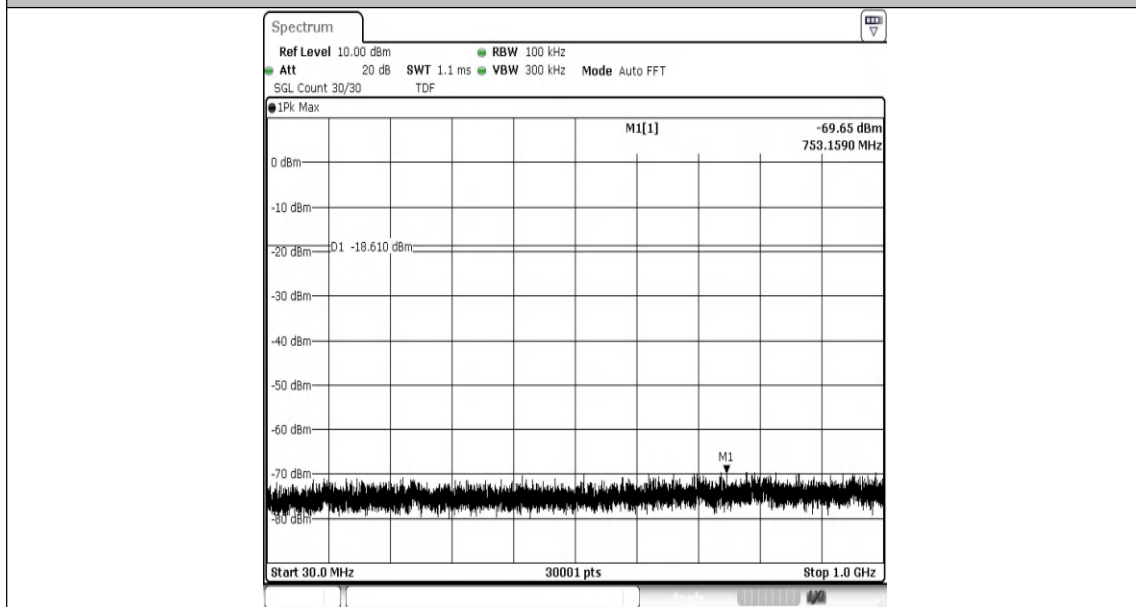
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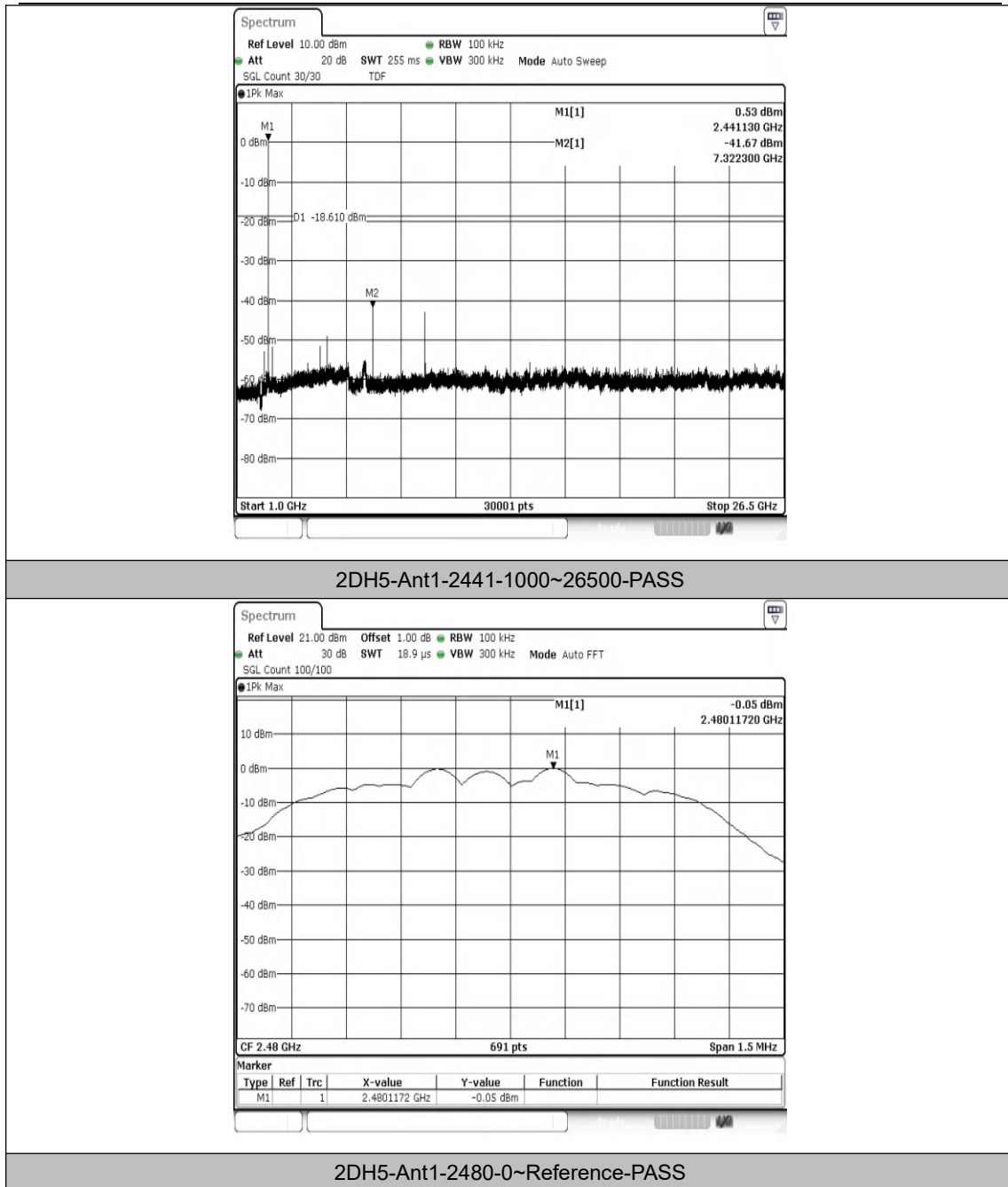
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2DH5-Ant1-2441-0~Reference-PASS



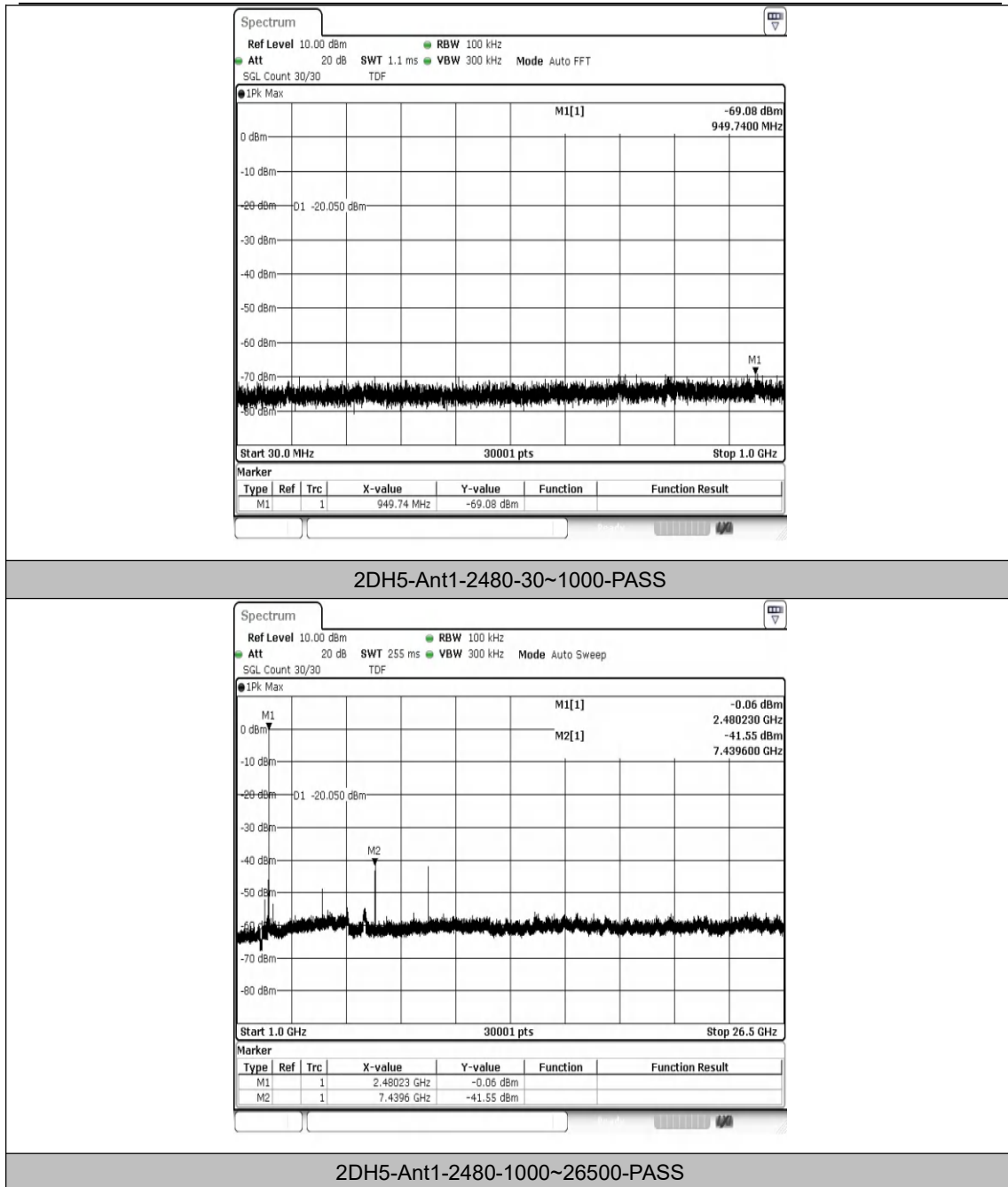
2DH5-Ant1-2441-30~1000-PASS

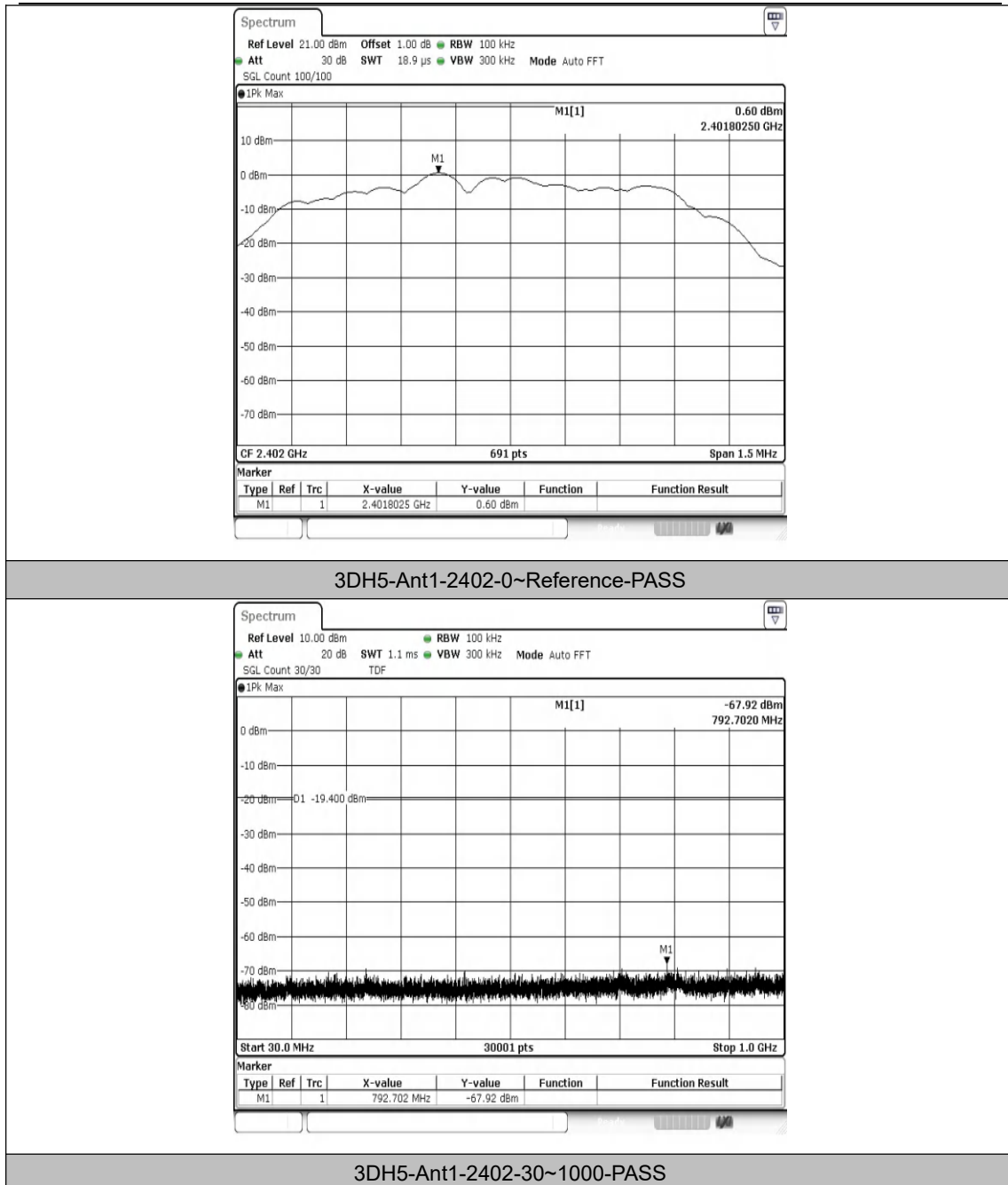


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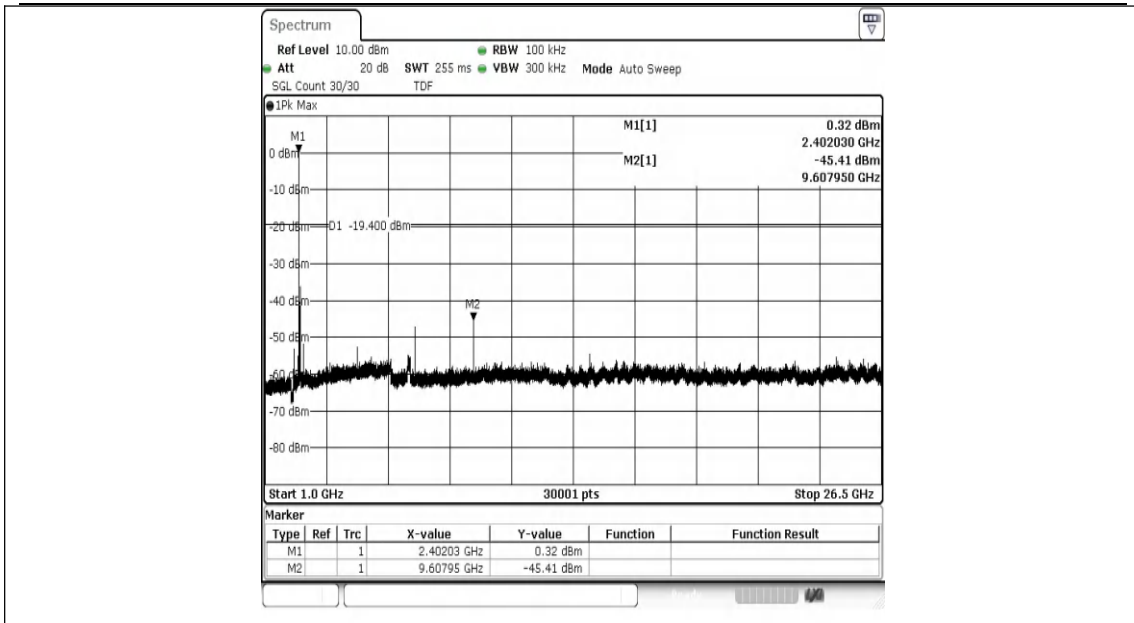




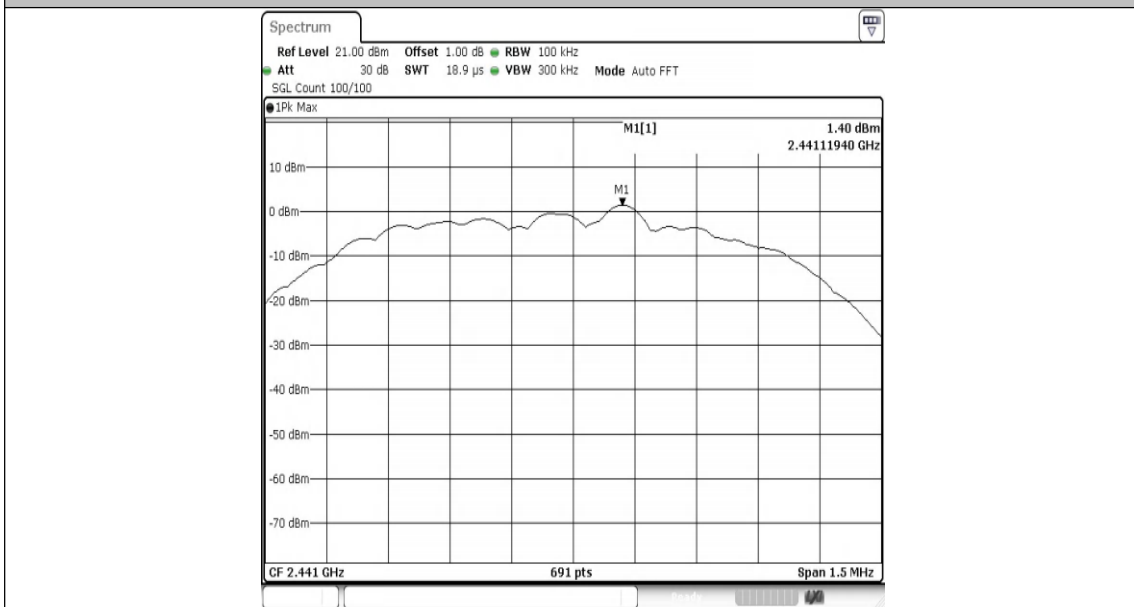
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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotech.com

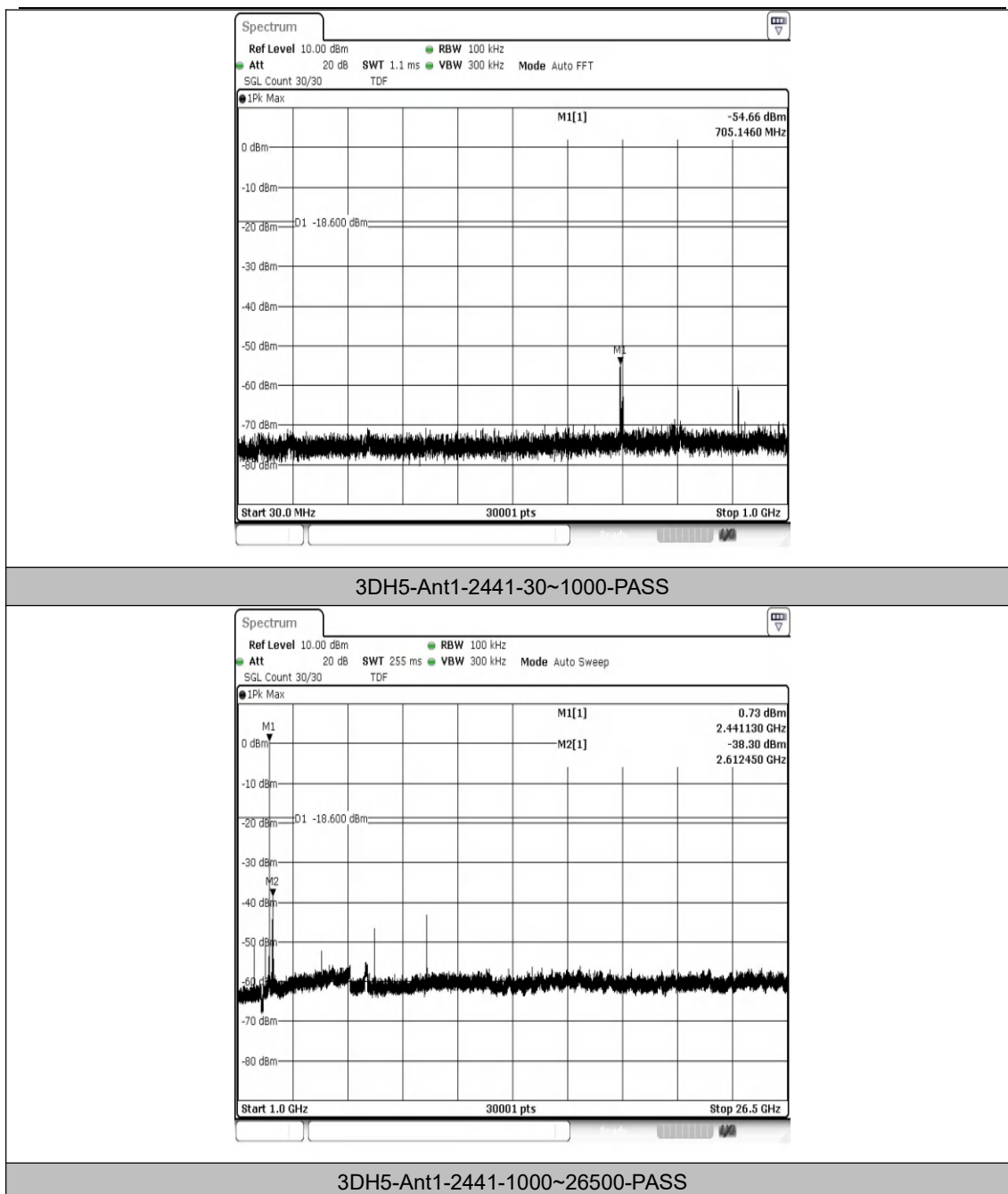
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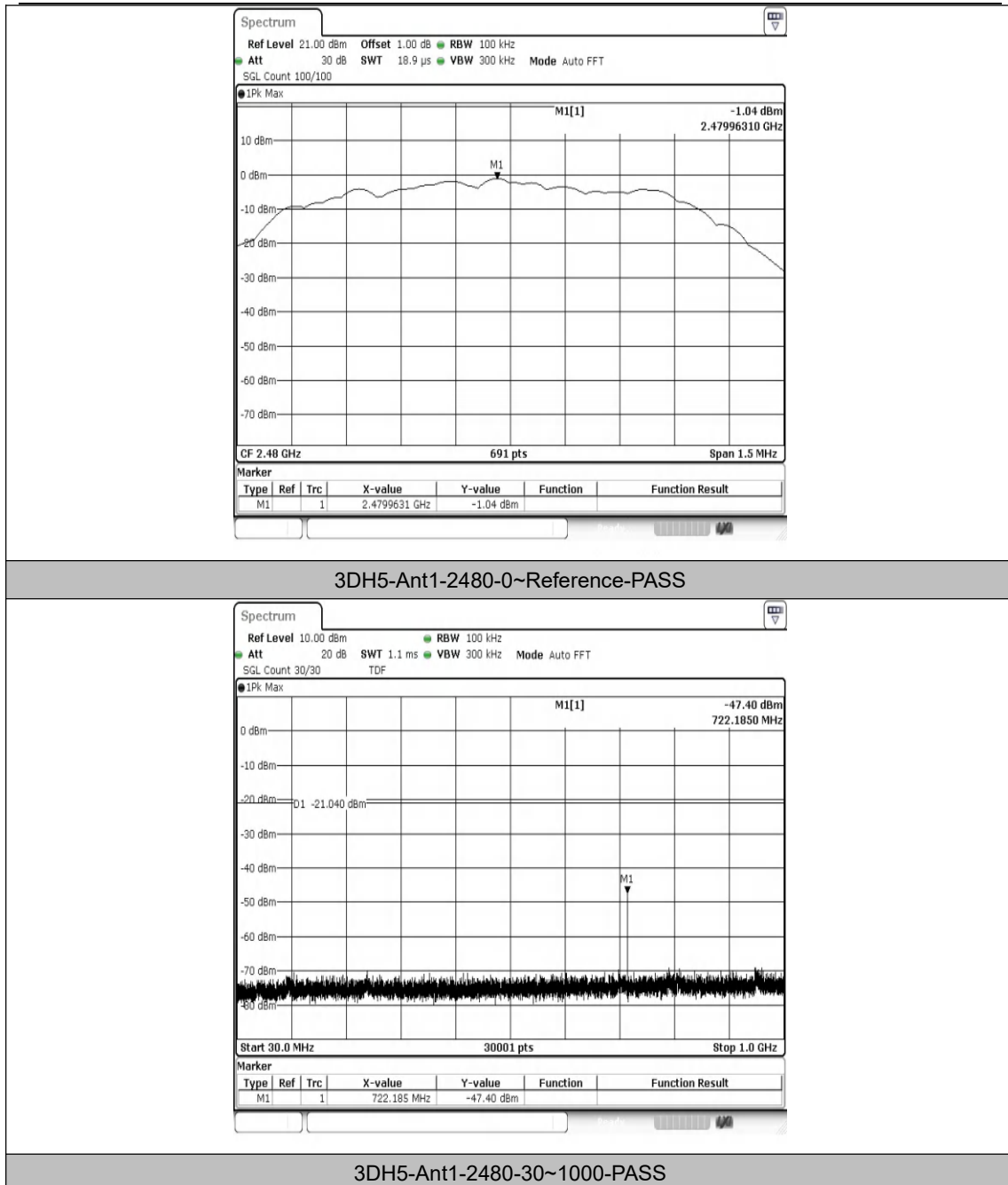


3DH5-Ant1-2402-1000~26500-PASS



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

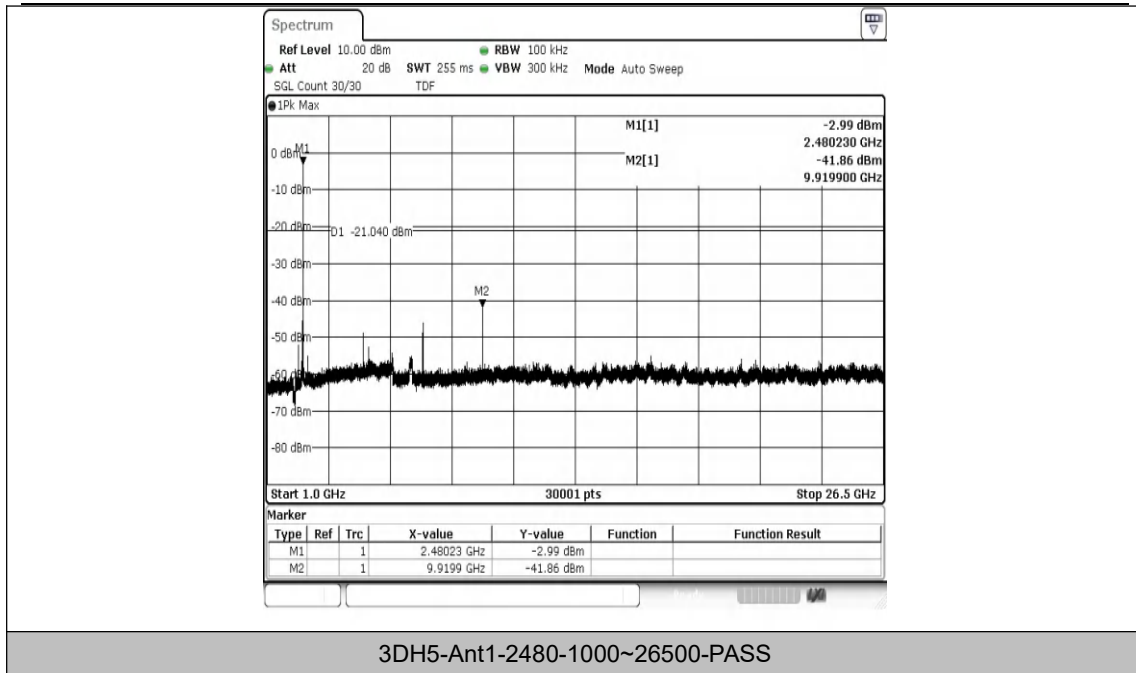




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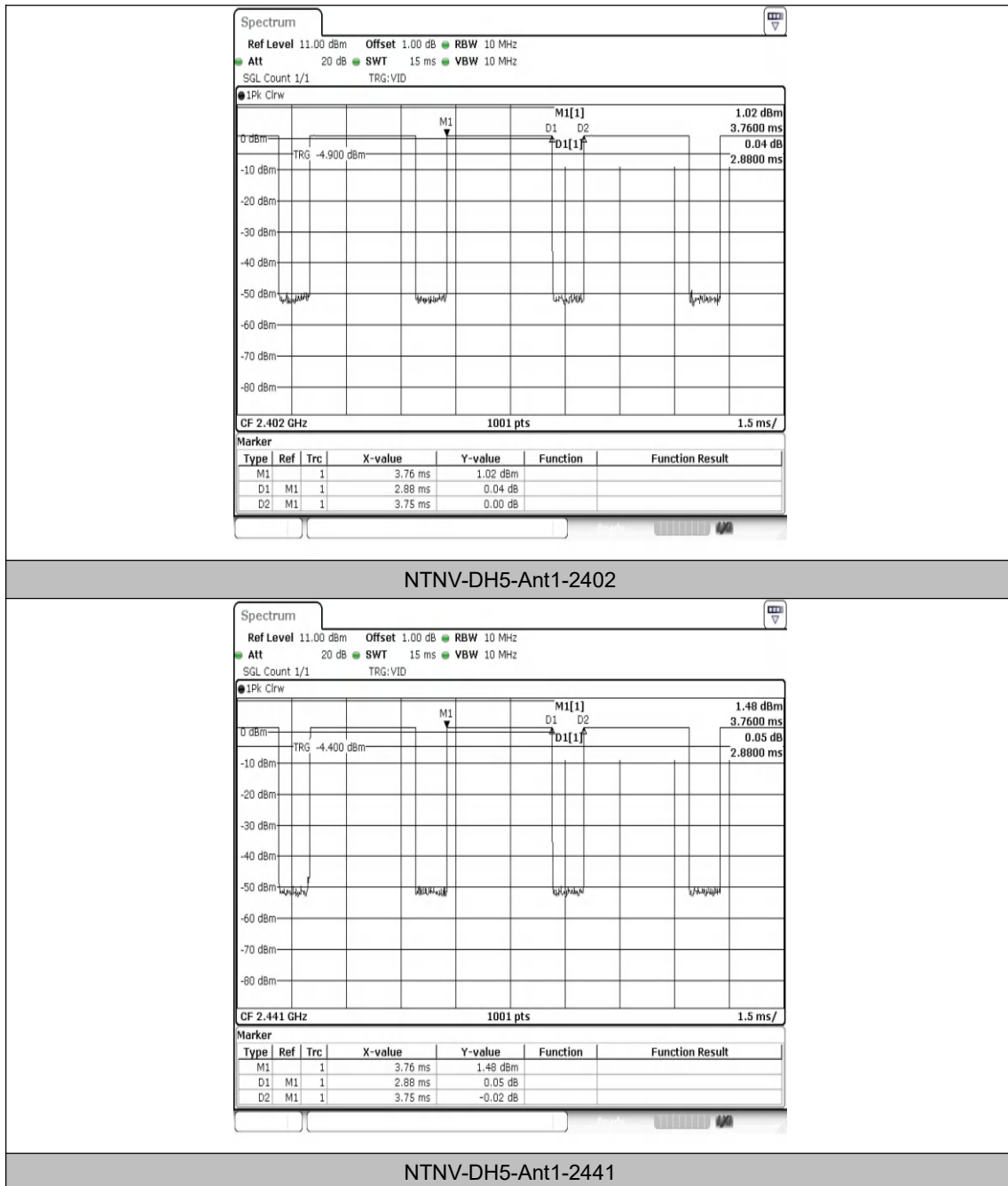
Appendix I: Duty Cycle

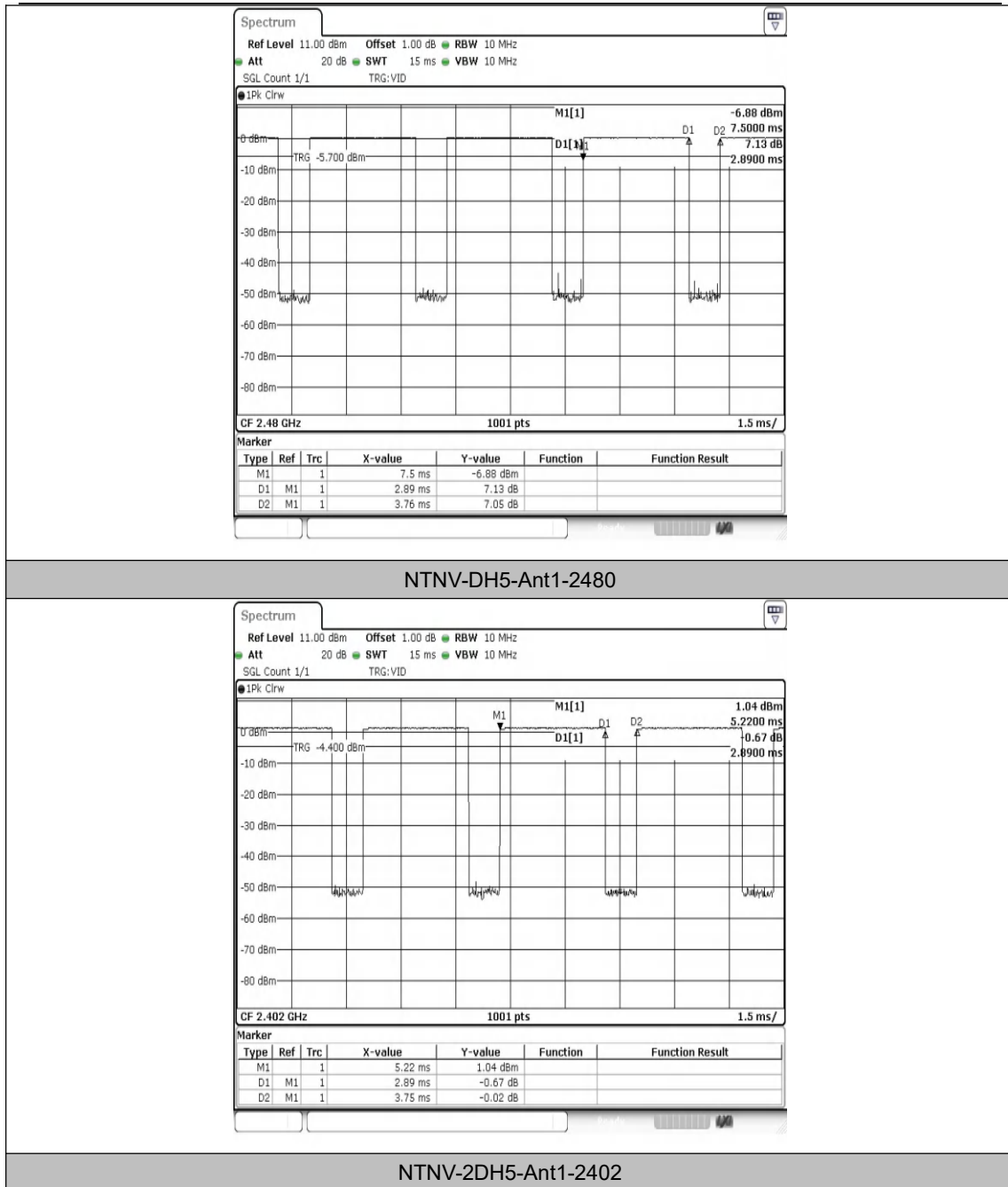
Test Result

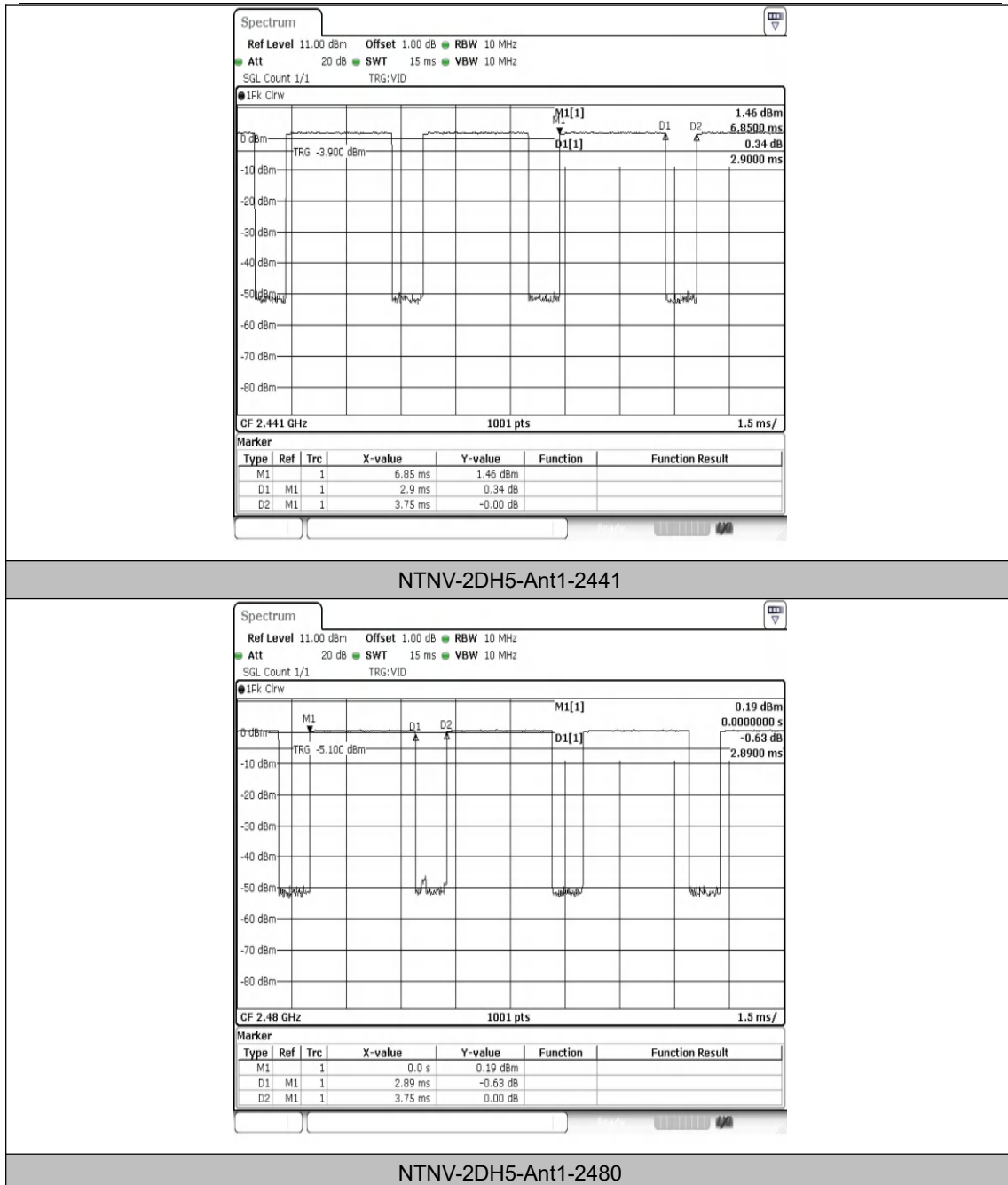
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.89	3.76	76.86	1.14
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.89	3.75	77.07	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	2.89	3.75	77.07	1.13

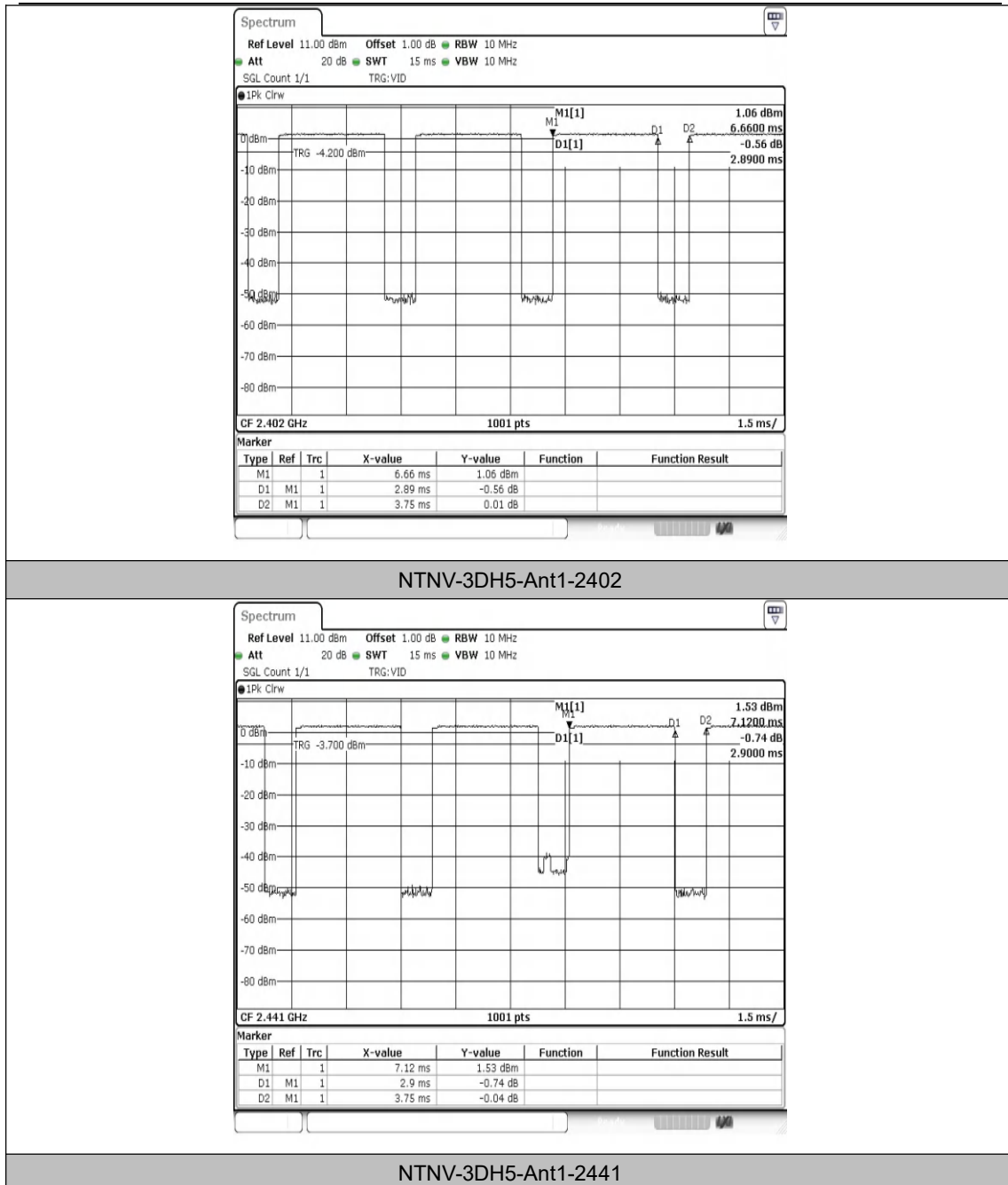


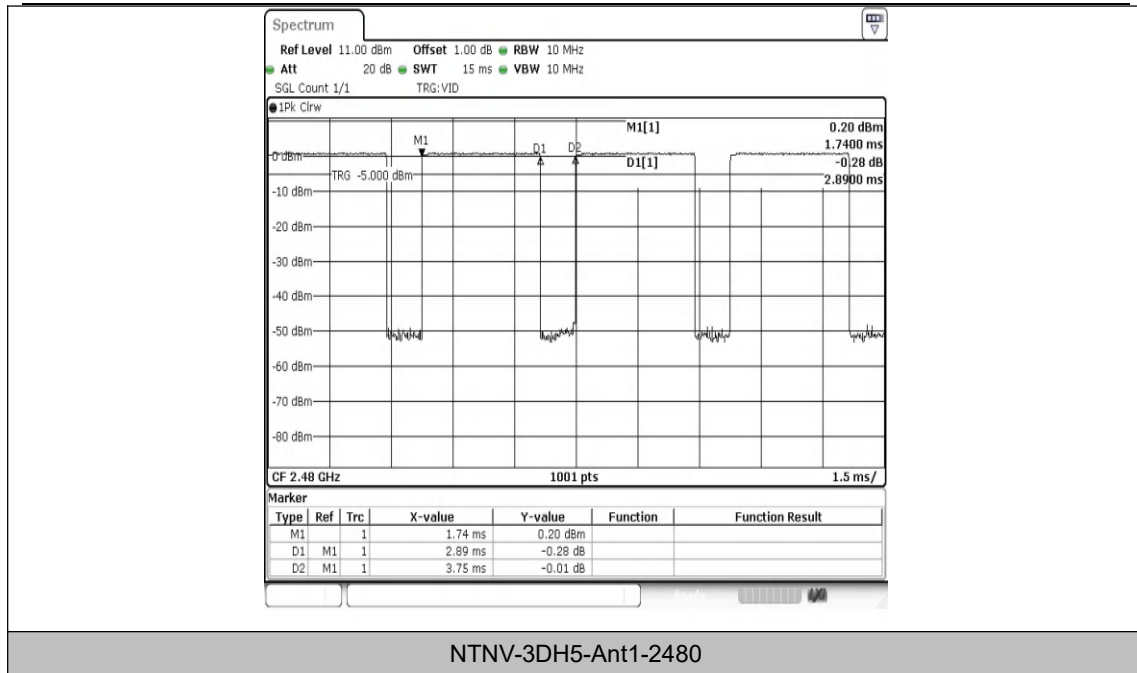
Test Graphs











---End---

