

Appendix Test Data

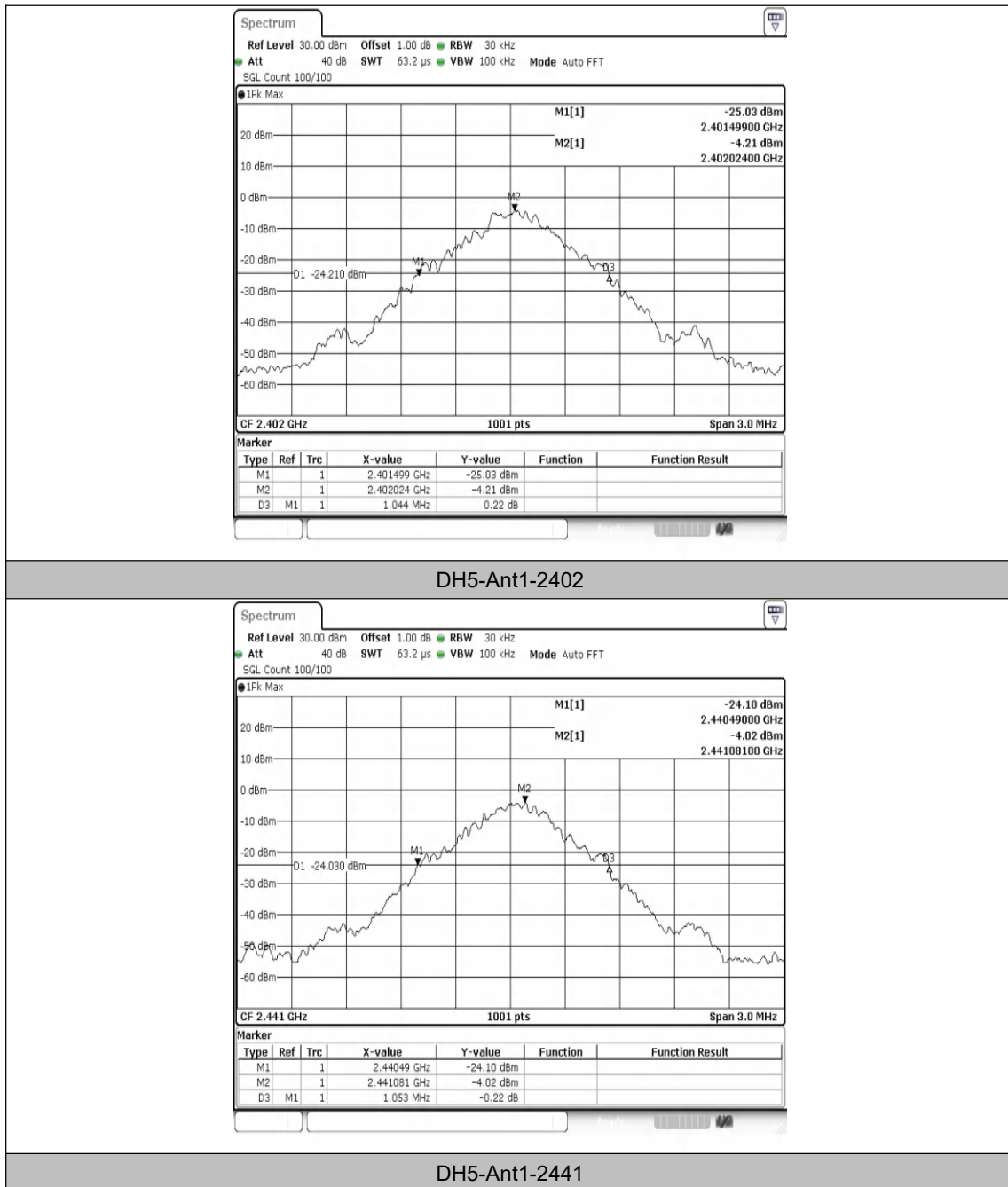
Report No.:	1819C50100012501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-29	Finish Test Date:	2025-9-3
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.8°C	Relative Humidity:	61%
Pressure:	101kPa		

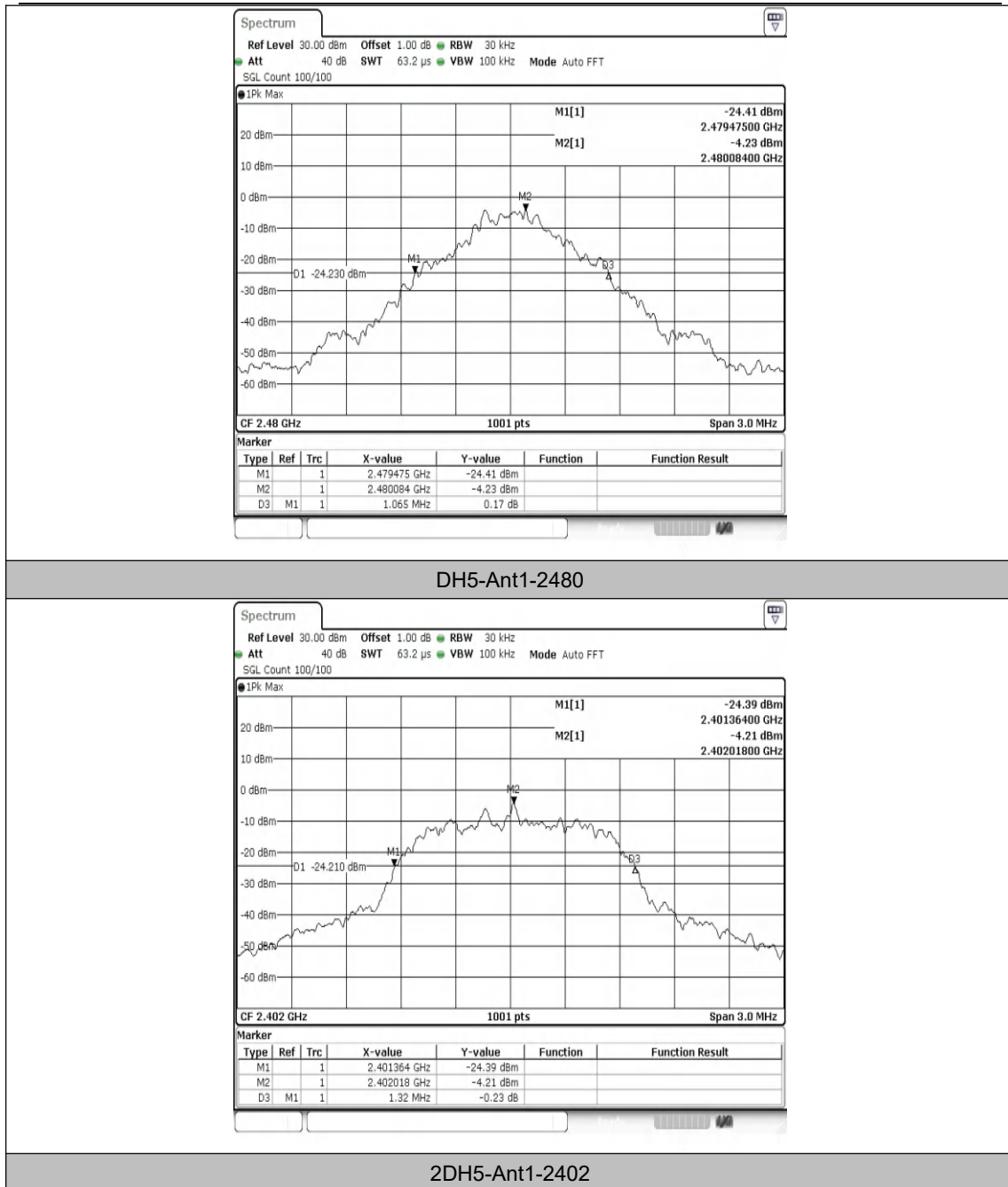
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.04	2401.50	2402.54	---	---
DH5	Ant1	2441	1.05	2440.49	2441.54	---	---
DH5	Ant1	2480	1.07	2479.48	2480.54	---	---
2DH5	Ant1	2402	1.32	2401.36	2402.68	---	---
2DH5	Ant1	2441	1.33	2440.36	2441.69	---	---
2DH5	Ant1	2480	1.34	2479.36	2480.70	---	---
3DH5	Ant1	2402	1.29	2401.38	2402.67	---	---
3DH5	Ant1	2441	1.29	2440.38	2441.67	---	---
3DH5	Ant1	2480	1.31	2479.37	2480.68	---	---

Test Graphs

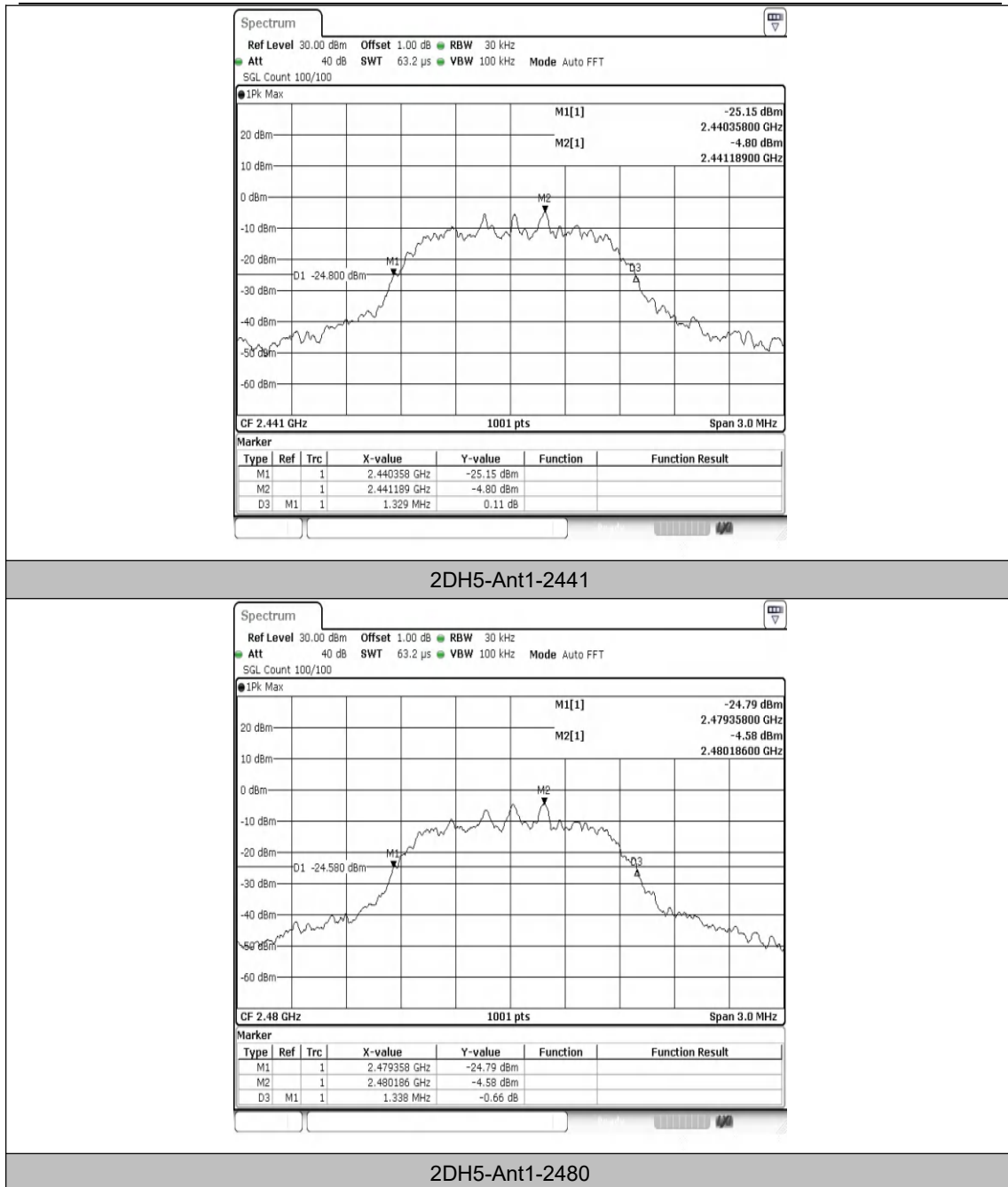




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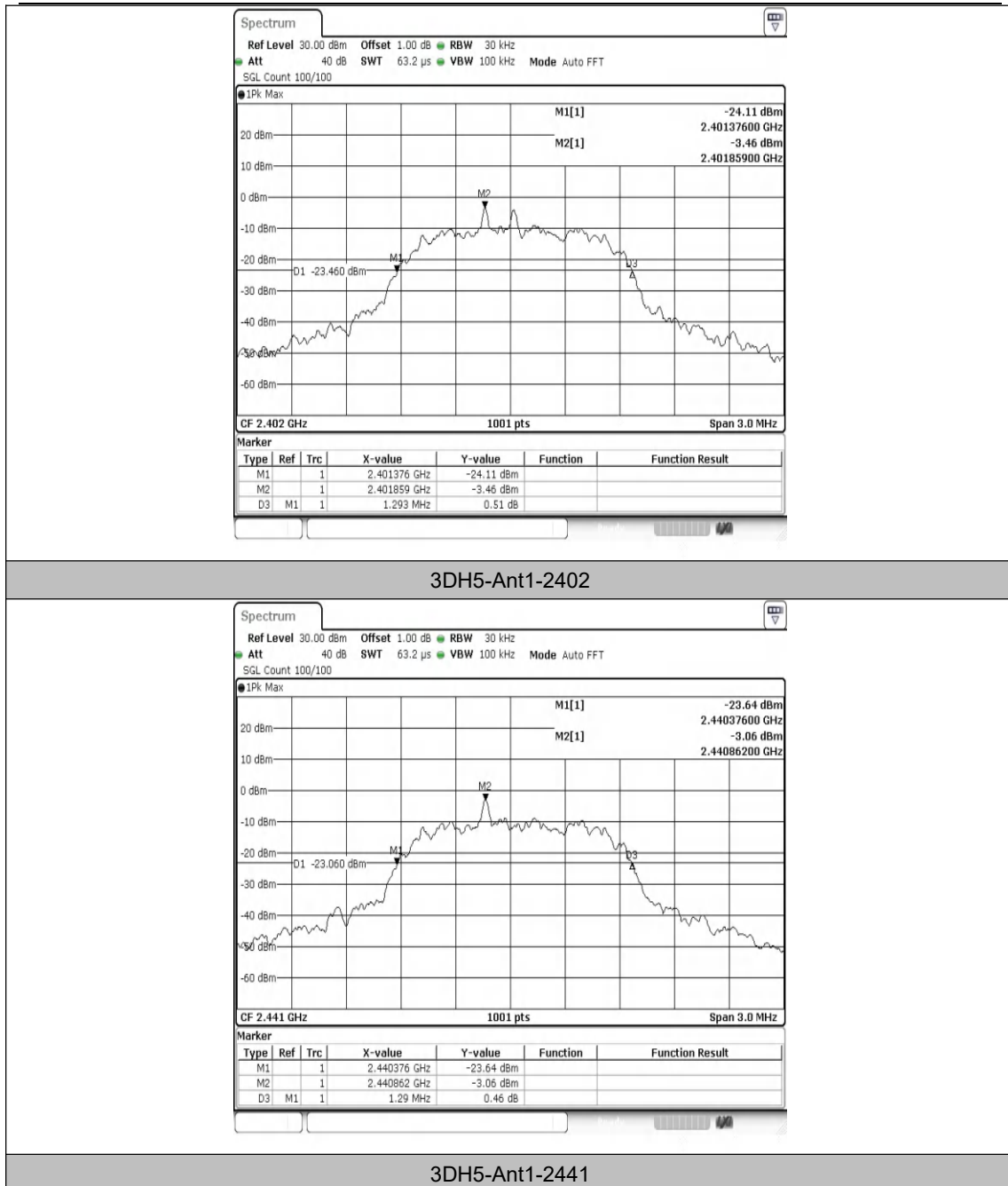
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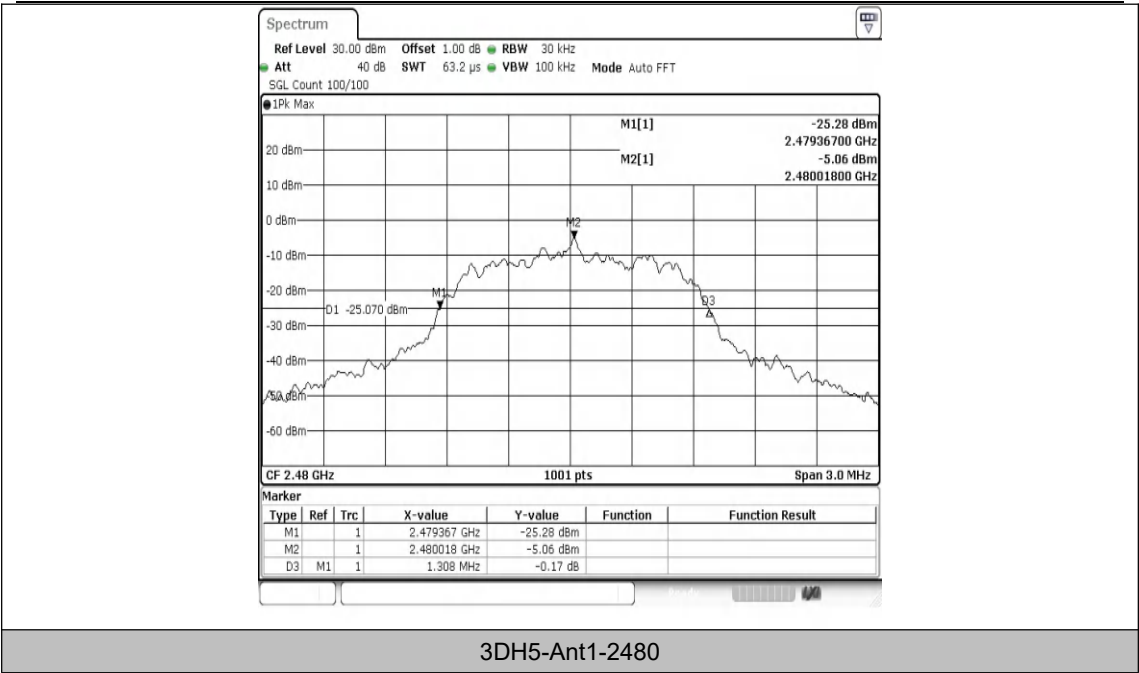
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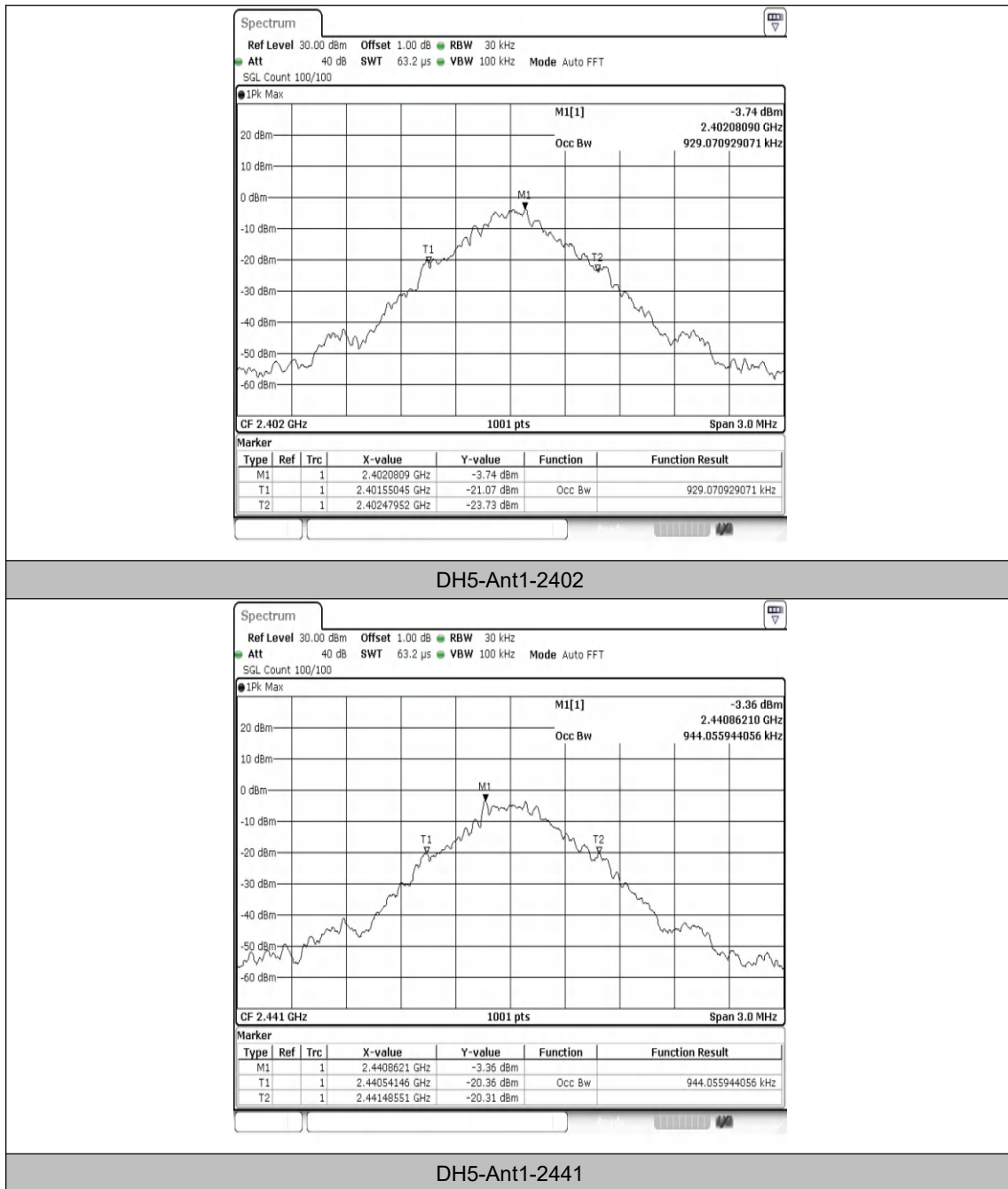
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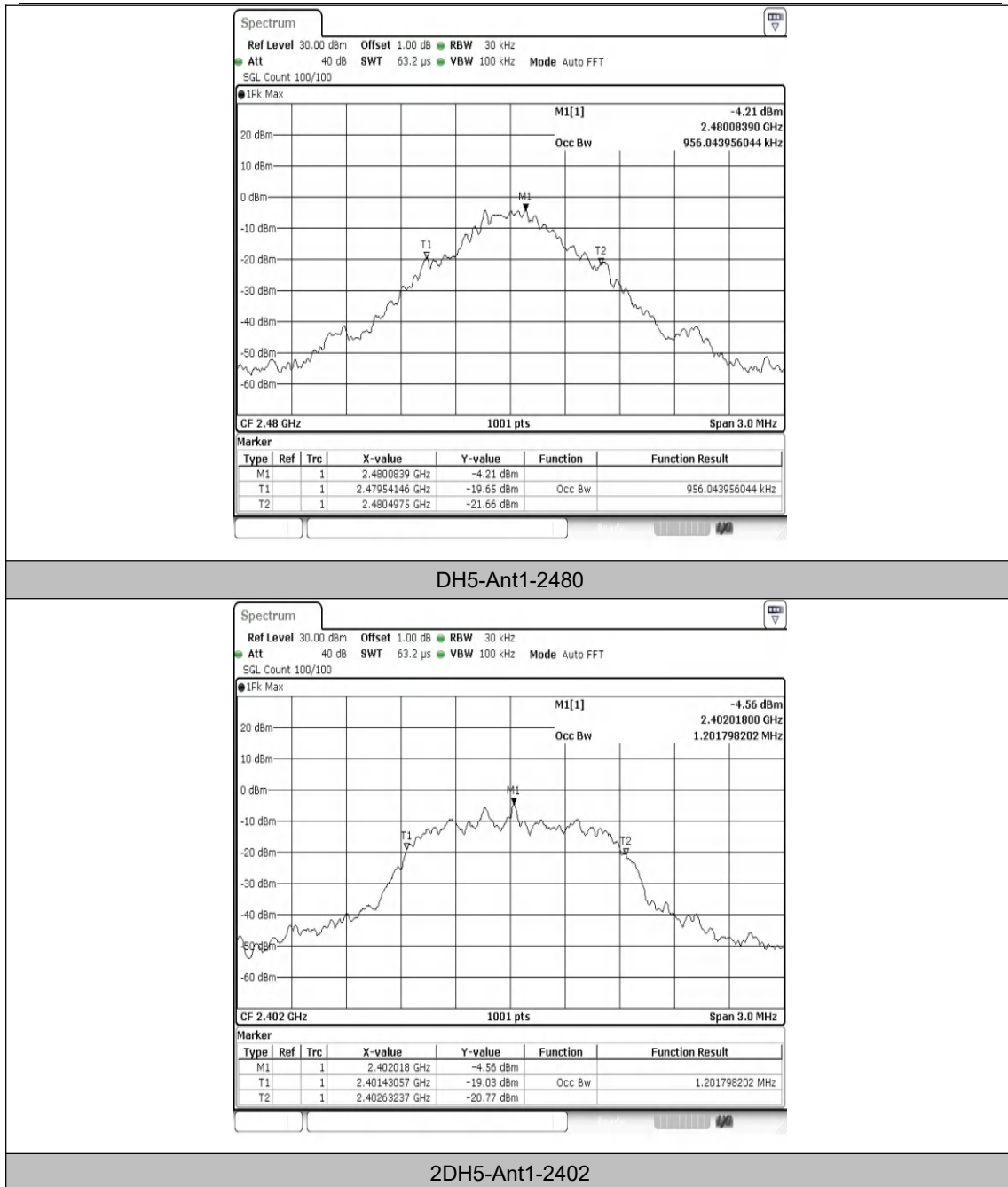
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92907	2401.5504	2402.4795	---	---
DH5	Ant1	2441	0.94406	2440.5415	2441.4855	---	---
DH5	Ant1	2480	0.95604	2479.5415	2480.4975	---	---
2DH5	Ant1	2402	1.2018	2401.4306	2402.6324	---	---
2DH5	Ant1	2441	1.2228	2440.4246	2441.6474	---	---
2DH5	Ant1	2480	1.2318	2479.4216	2480.6533	---	---
3DH5	Ant1	2402	1.2138	2401.4126	2402.6264	---	---
3DH5	Ant1	2441	1.2168	2440.4126	2441.6294	---	---
3DH5	Ant1	2480	1.2258	2479.4036	2480.6294	---	---

Test Graphs

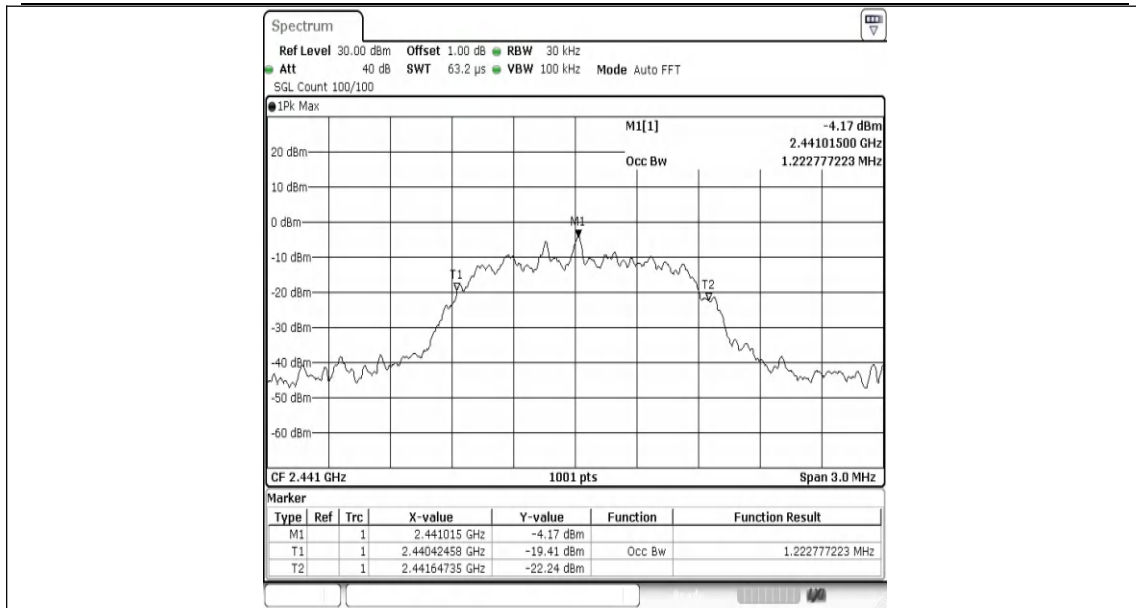




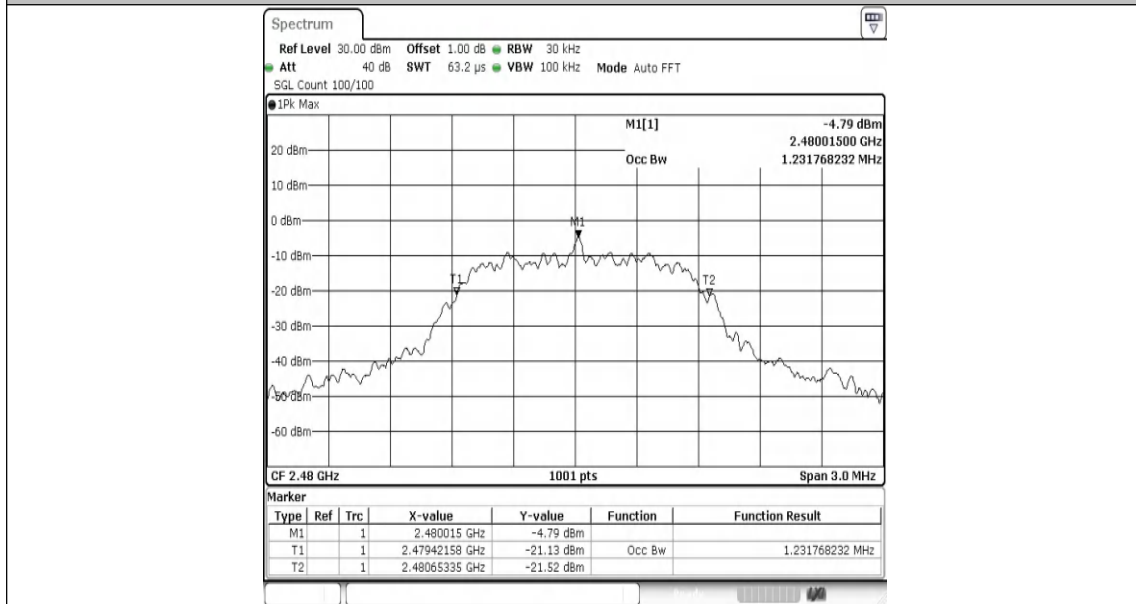
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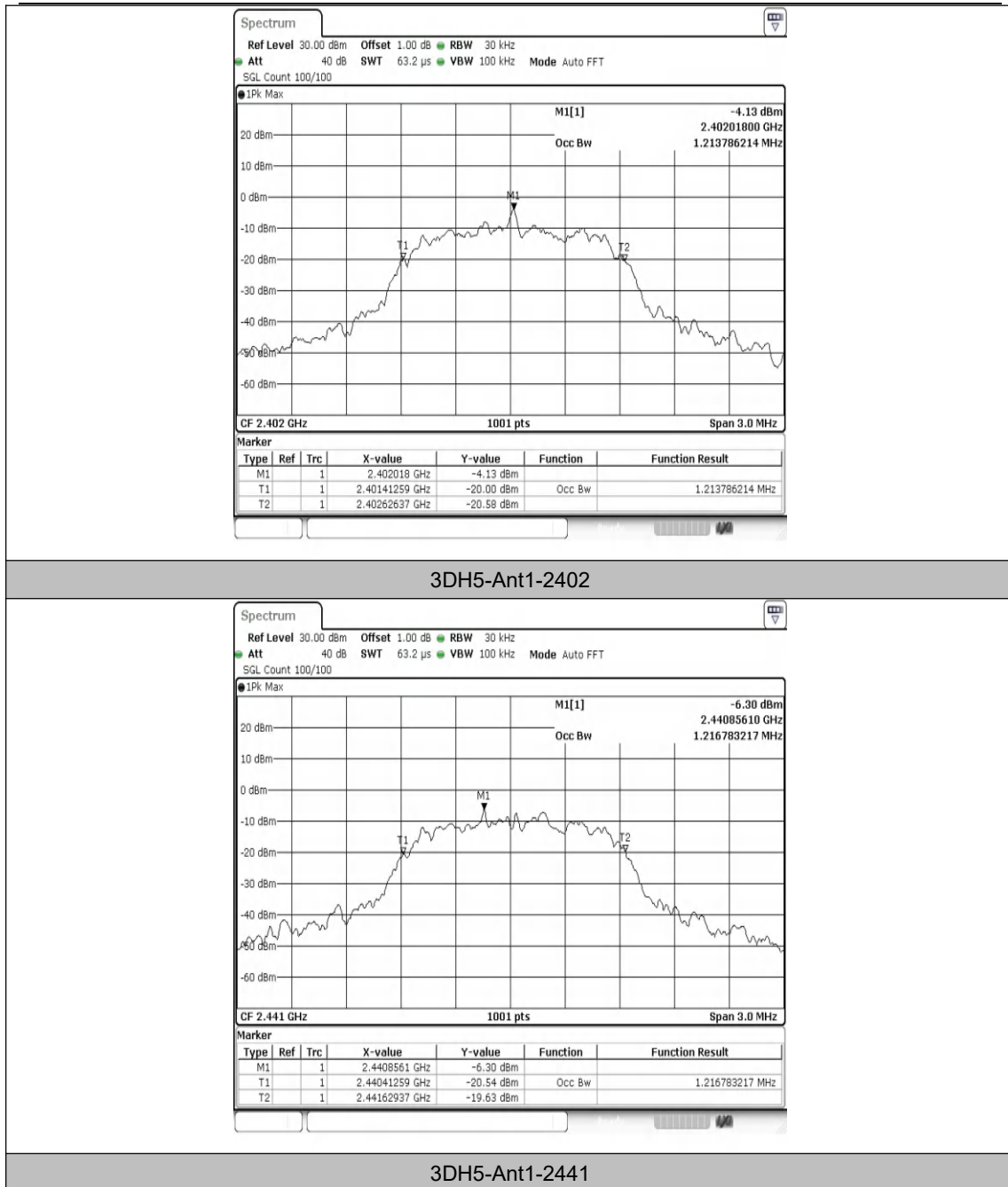
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2DH5-Ant1-2441



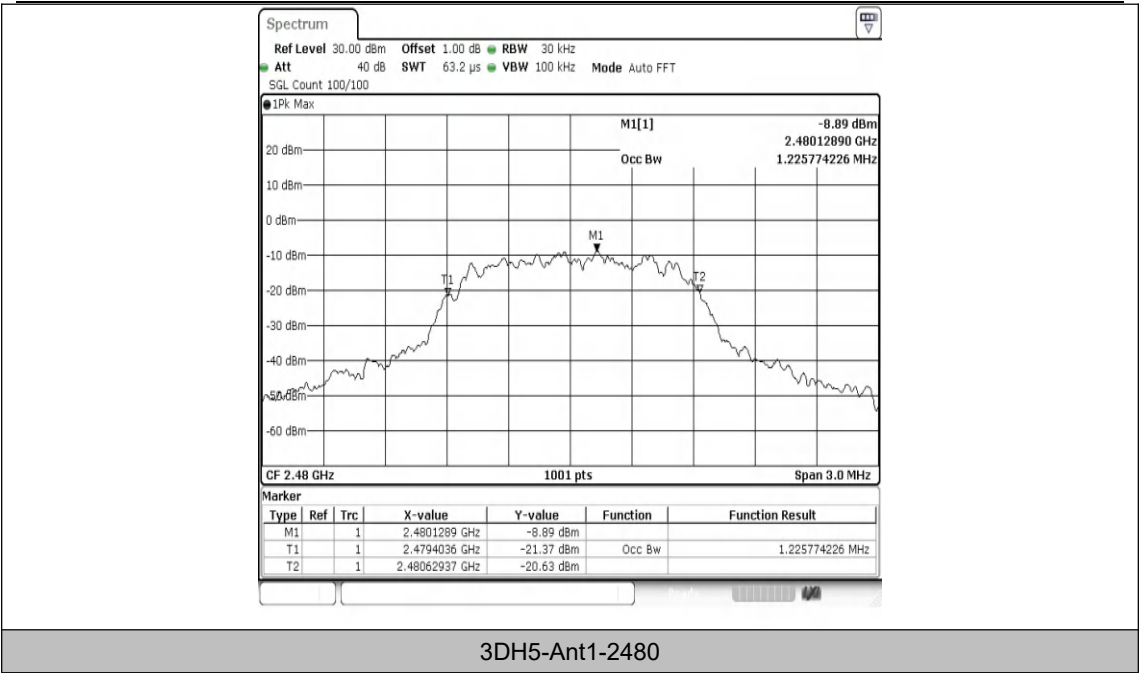
2DH5-Ant1-2480



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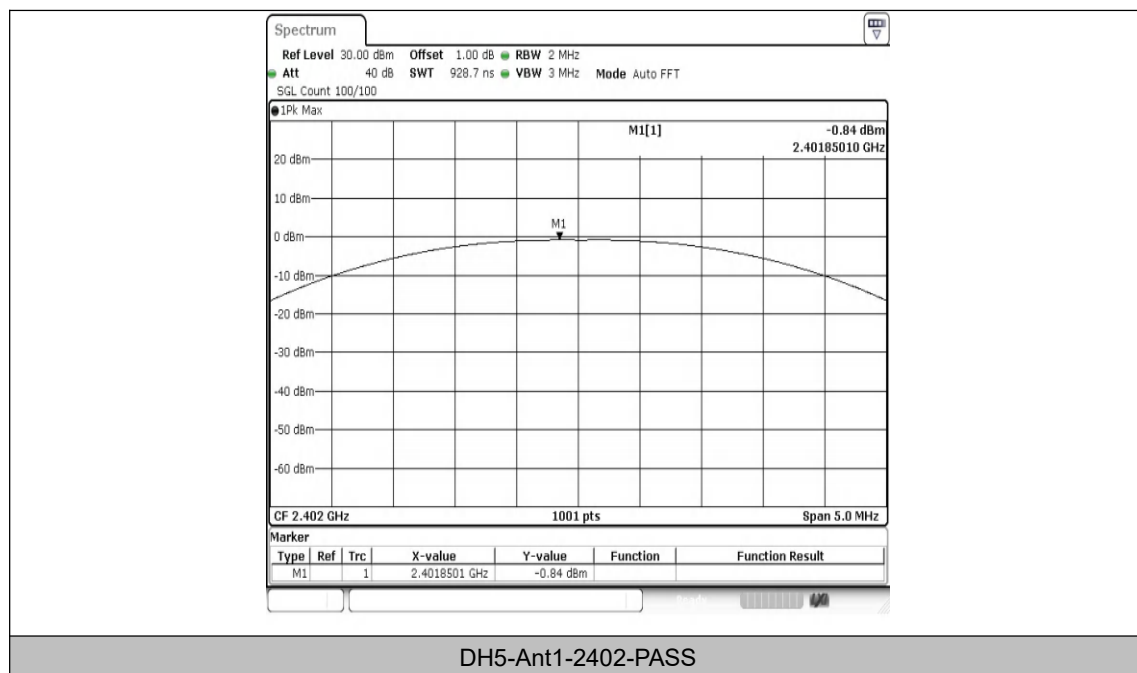
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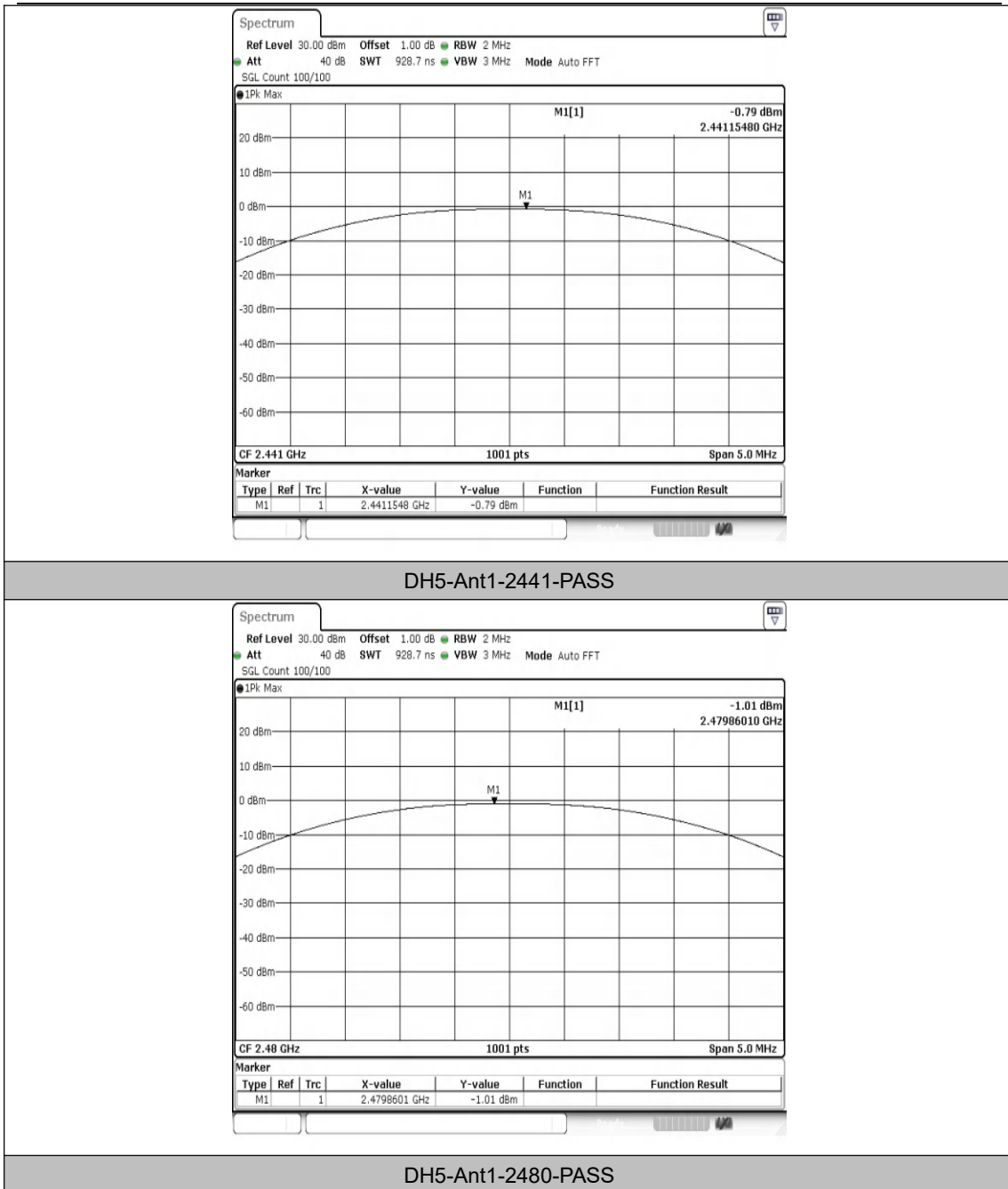
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.84	≤20.97	PASS
DH5	Ant1	2441	-0.79	≤20.97	PASS
DH5	Ant1	2480	-1.01	≤20.97	PASS
2DH5	Ant1	2402	-0.26	≤20.97	PASS
2DH5	Ant1	2441	-0.12	≤20.97	PASS
2DH5	Ant1	2480	-0.48	≤20.97	PASS
3DH5	Ant1	2402	0.35	≤20.97	PASS
3DH5	Ant1	2441	-0.13	≤20.97	PASS
3DH5	Ant1	2480	-0.61	≤20.97	PASS

Test Graphs

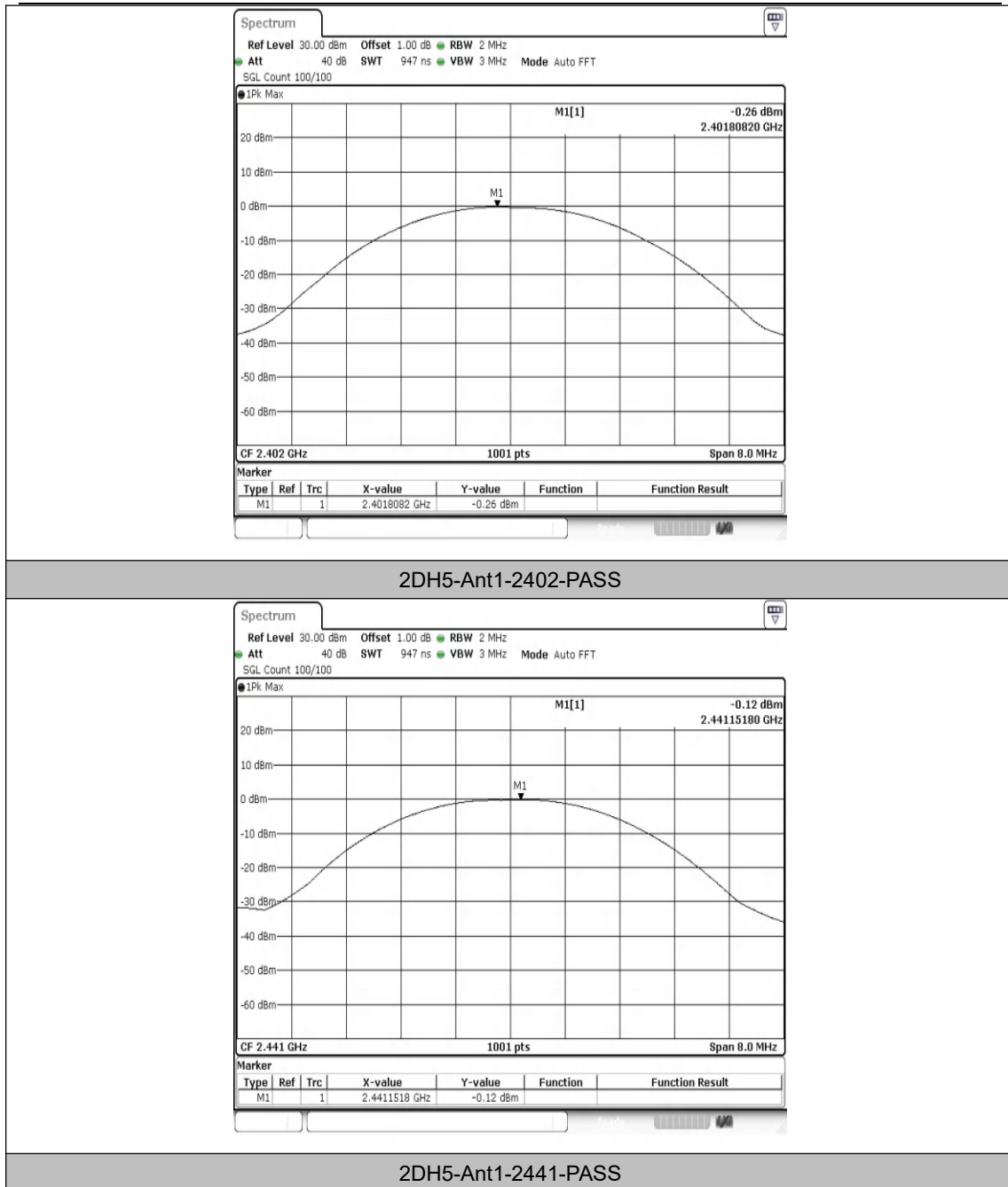




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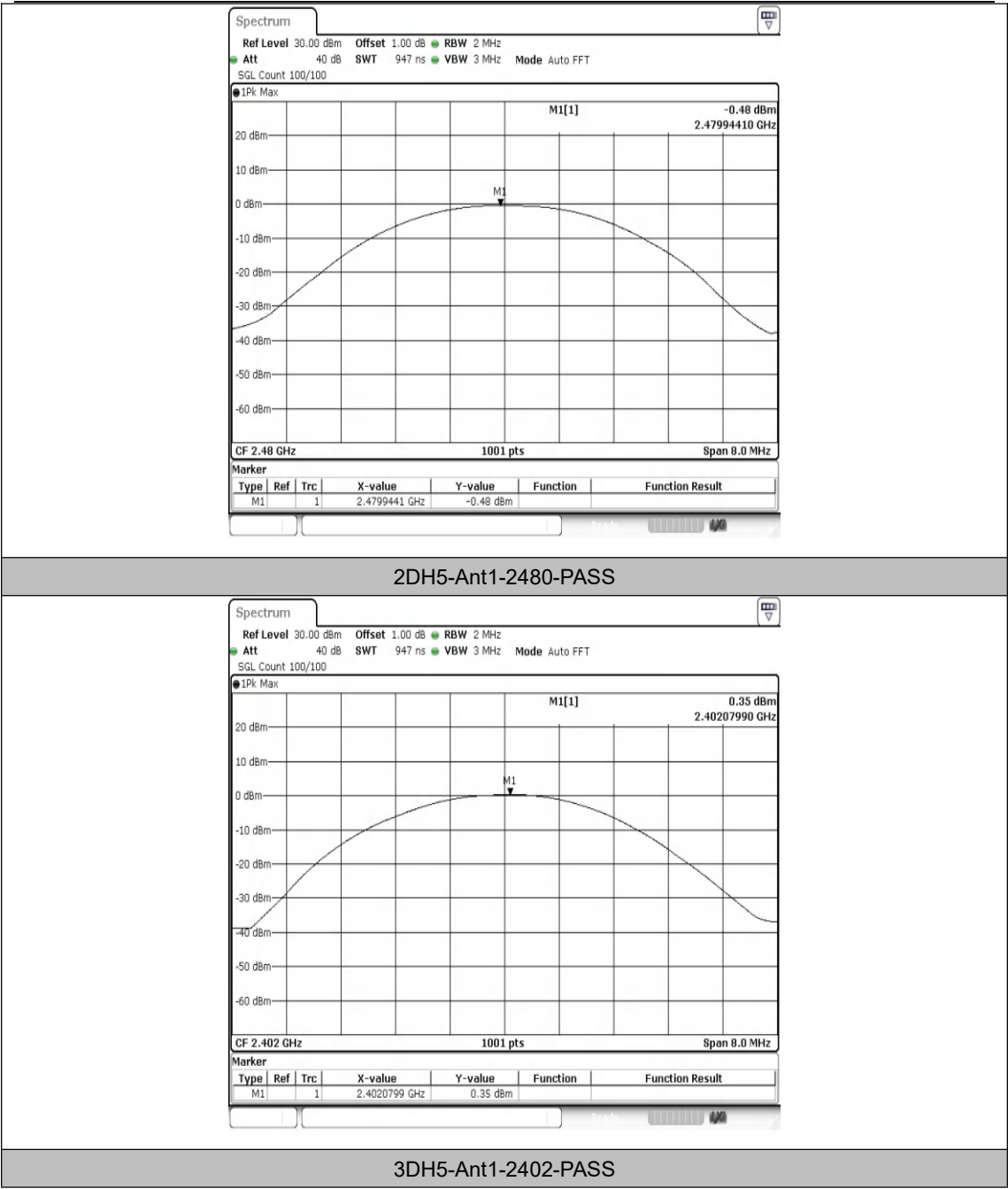
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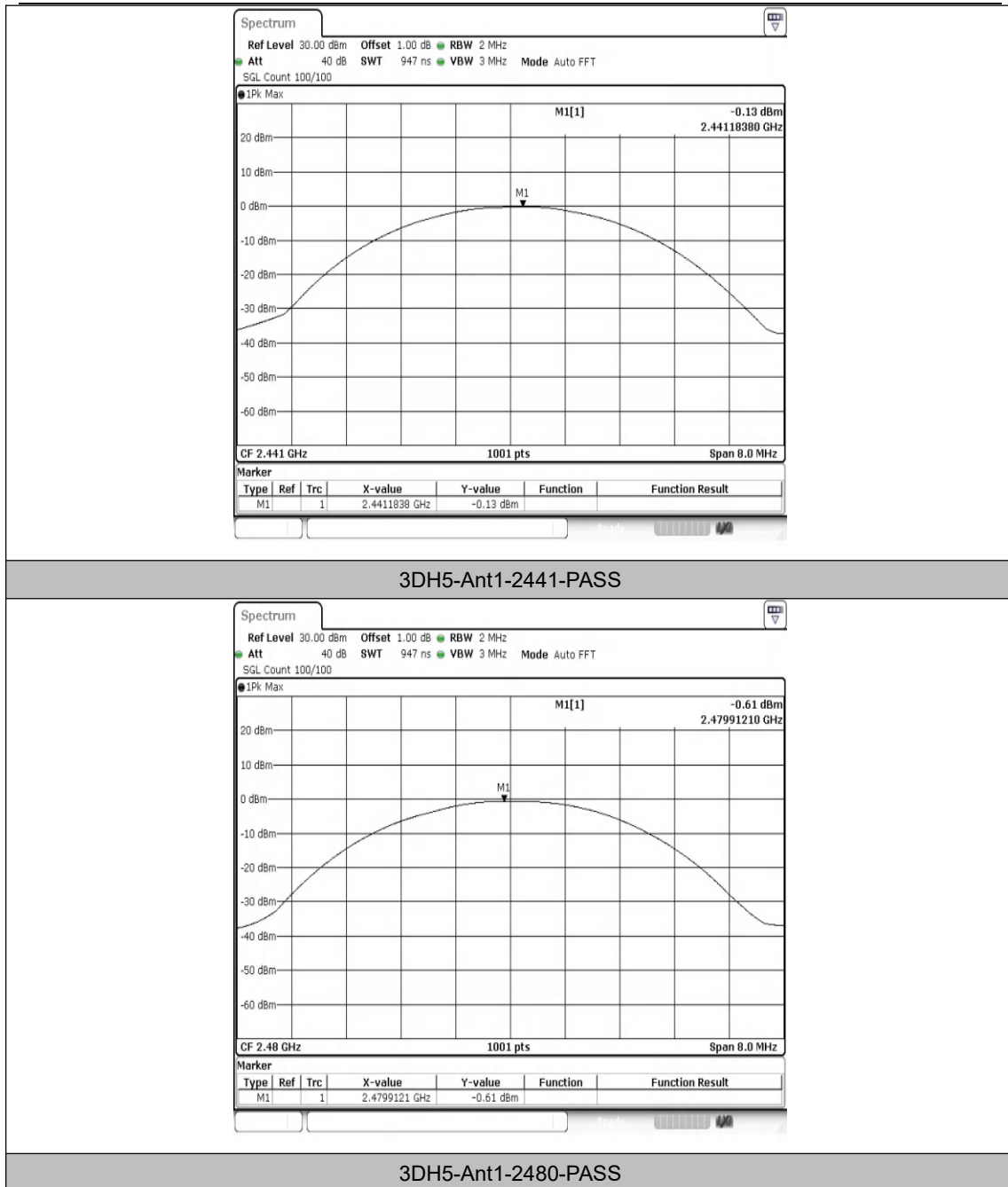


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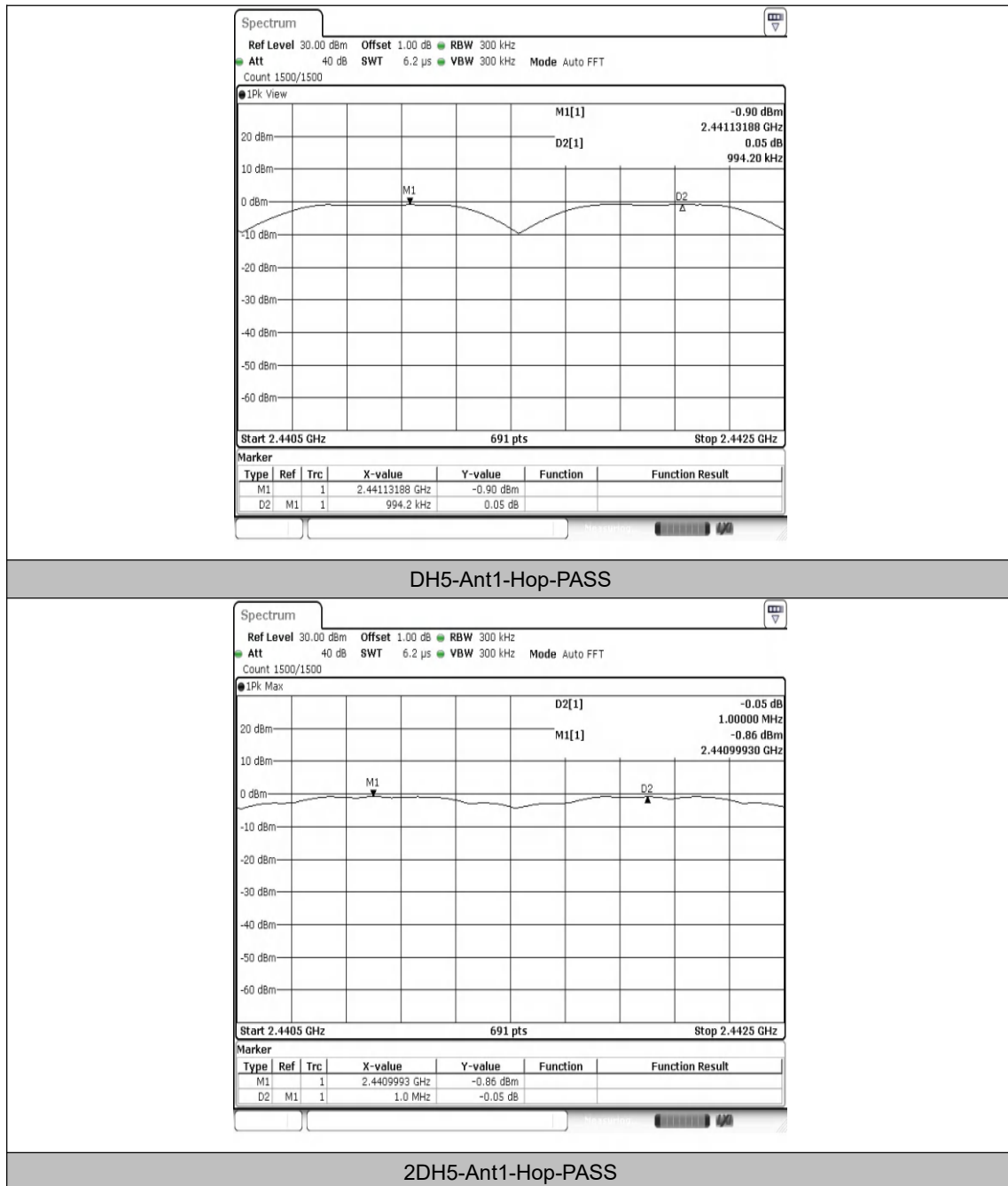
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.713	PASS
2DH5	Ant1	Hop	1.000	≥ 0.893	PASS
3DH5	Ant1	Hop	1.000	≥ 0.873	PASS

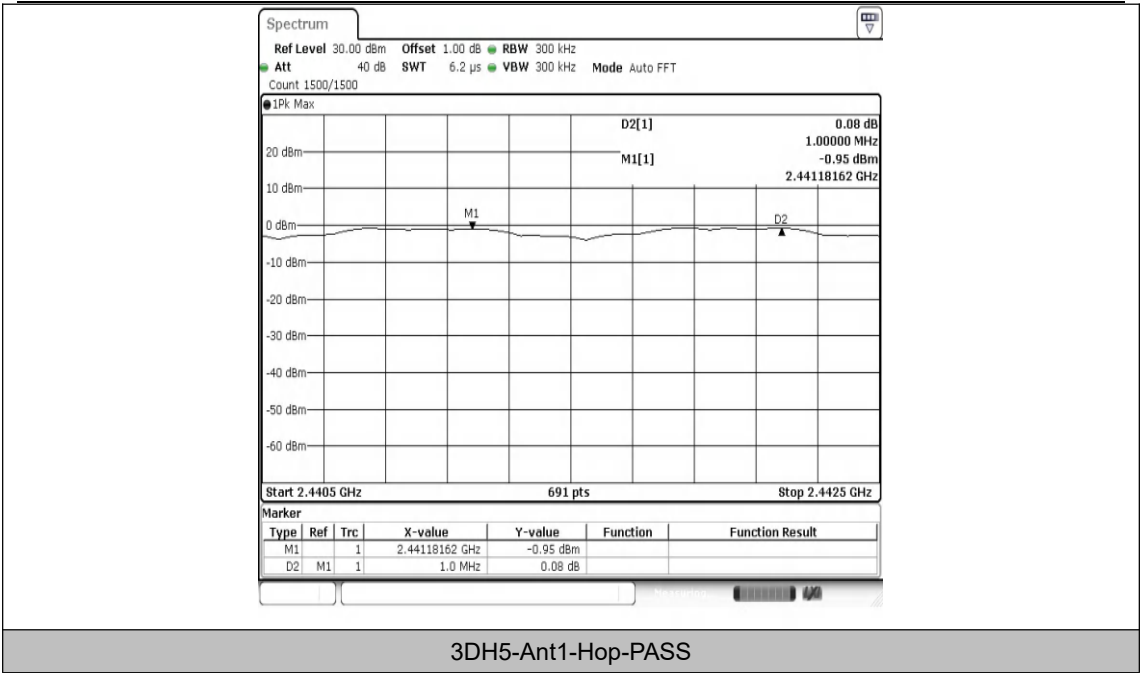
Test Graphs



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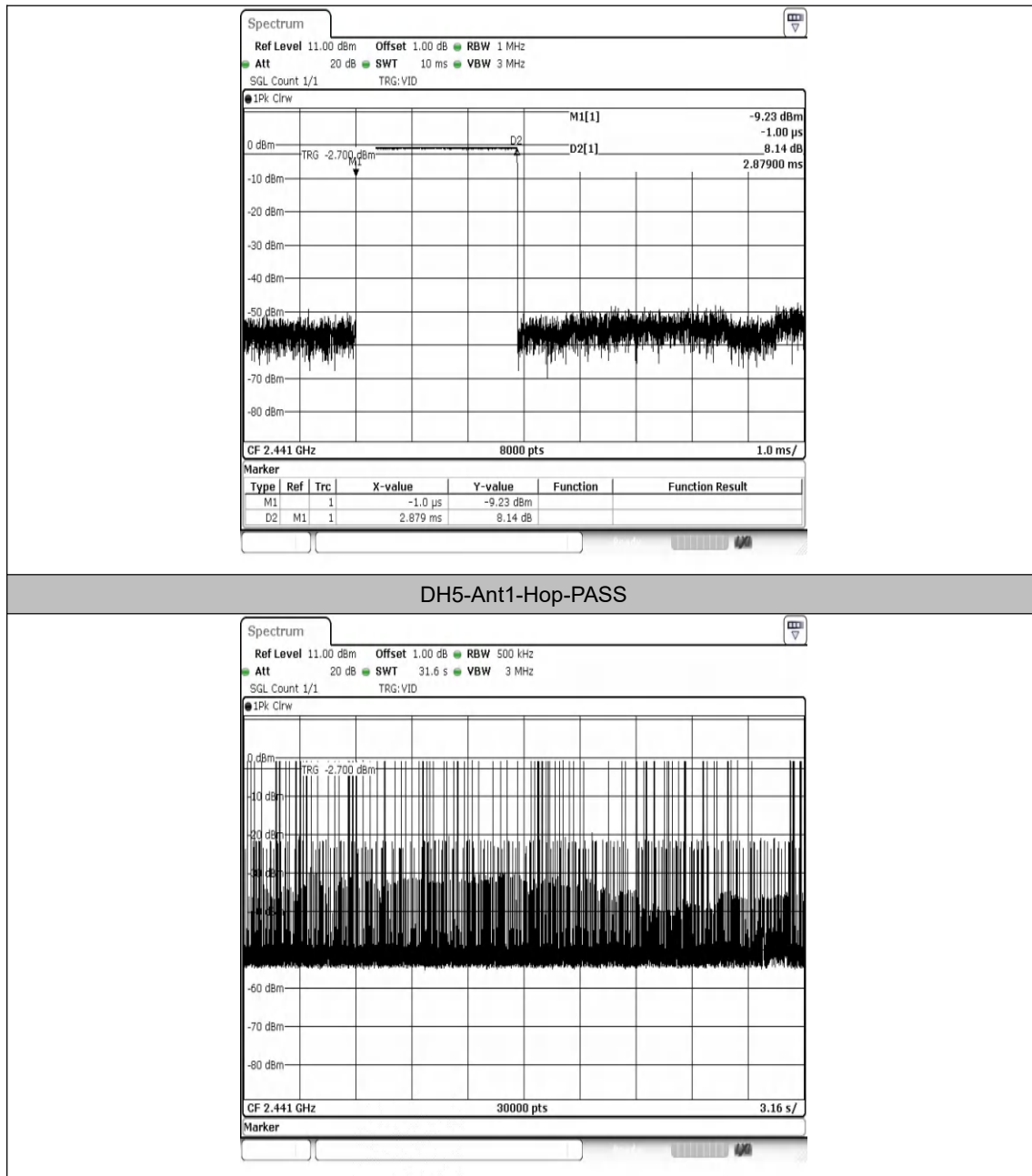
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	100	0.288	≤0.4	PASS
2DH5	Ant1	Hop	2.885	106	0.306	≤0.4	PASS
3DH5	Ant1	Hop	2.888	99	0.286	≤0.4	PASS

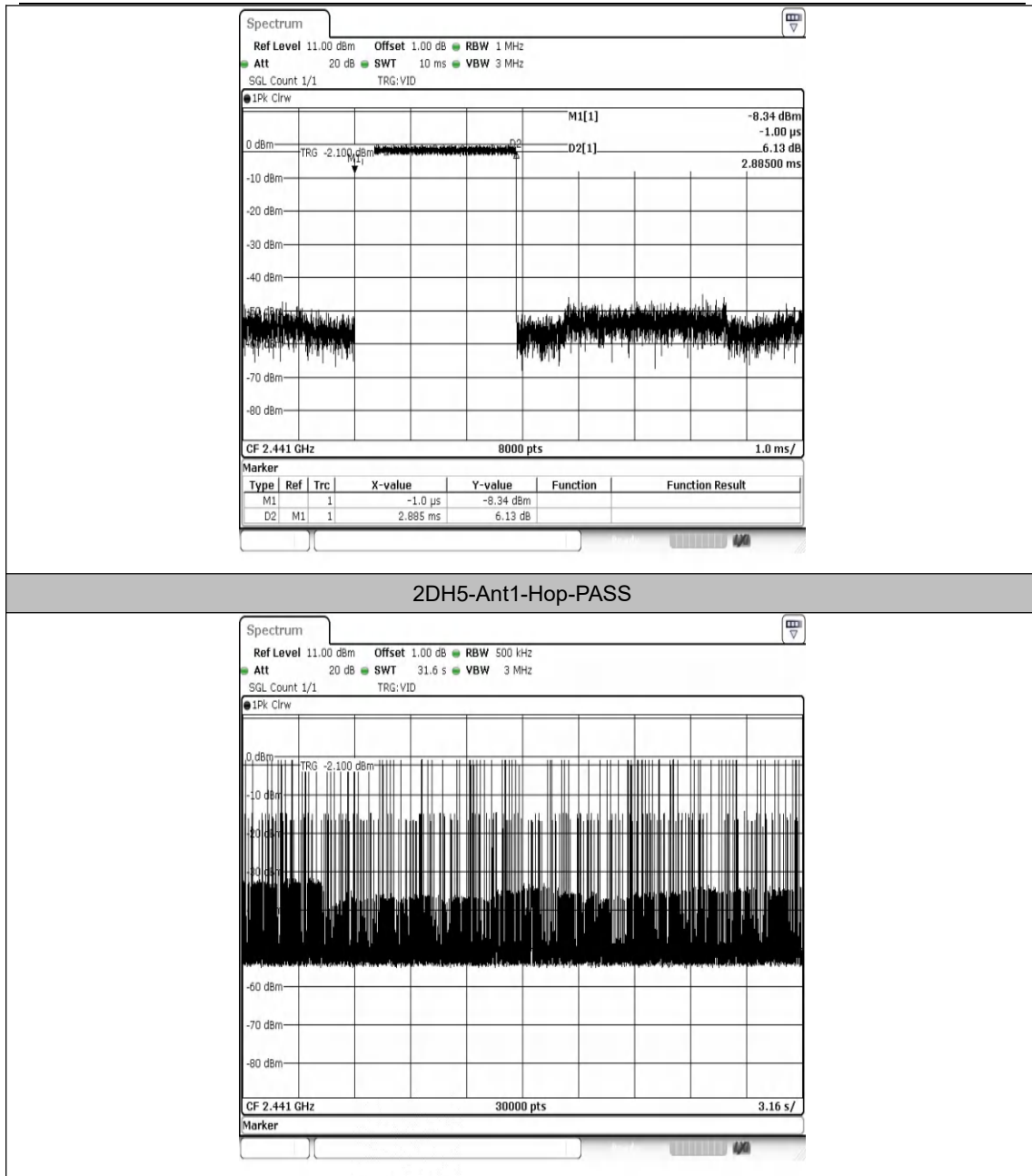
Test Graphs



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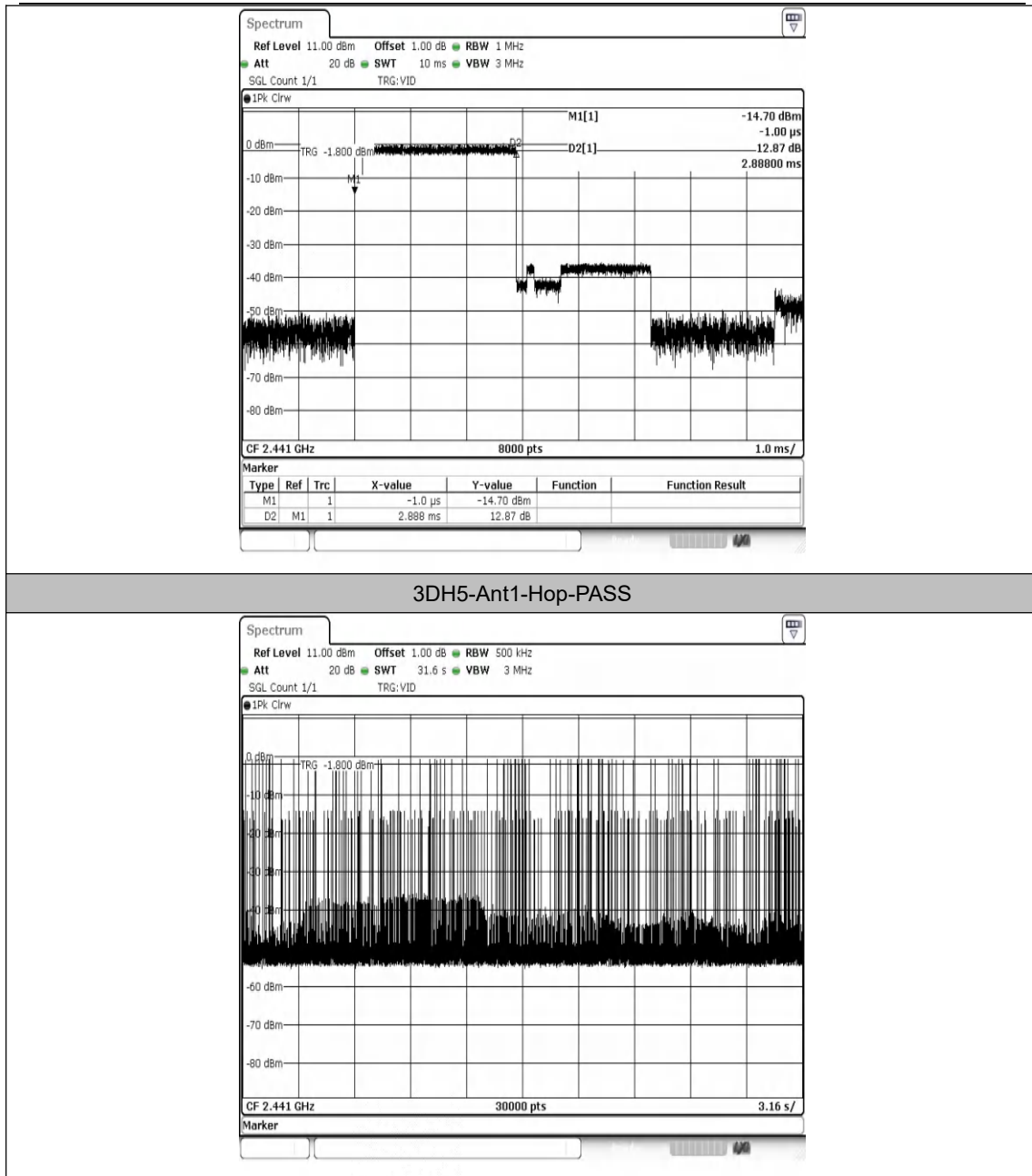
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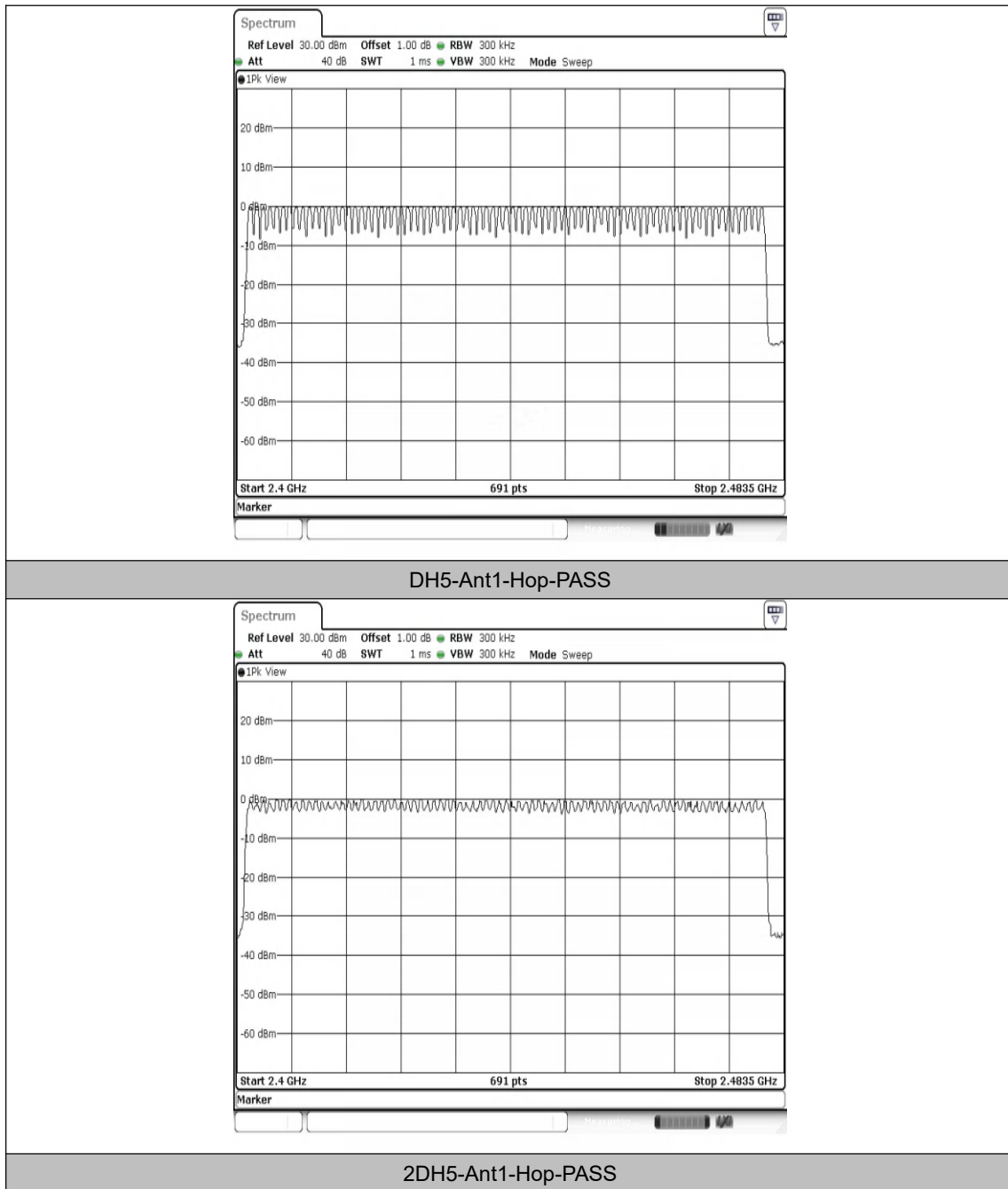
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Appendix F: Number of Hopping Channel

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

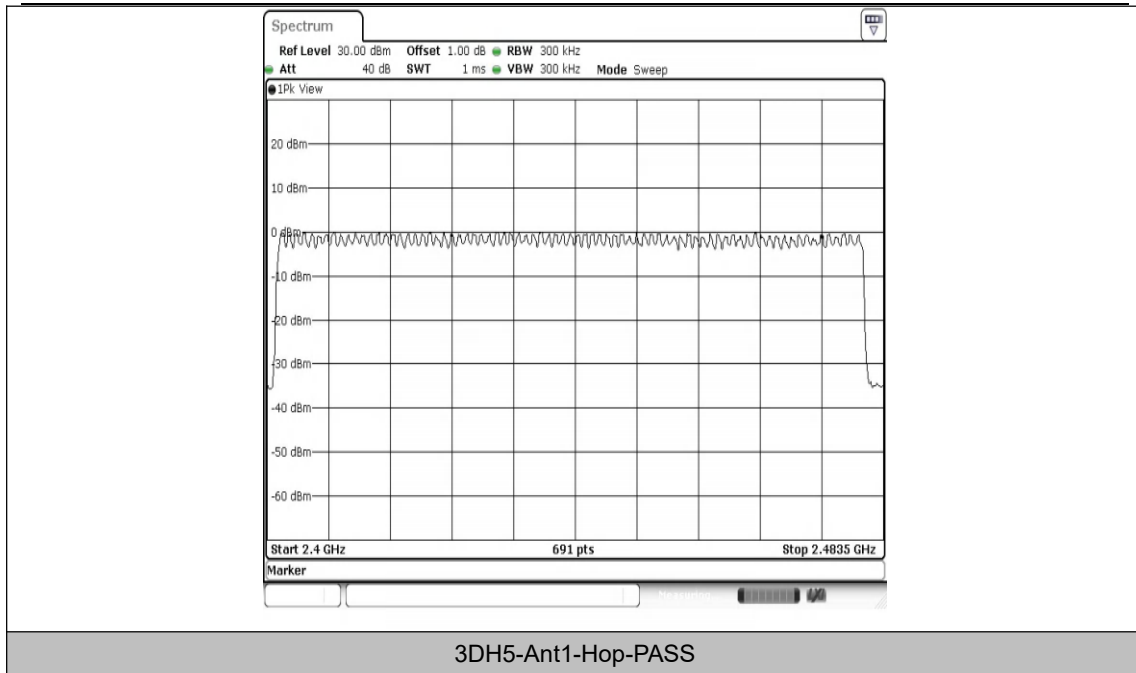
Test Graphs



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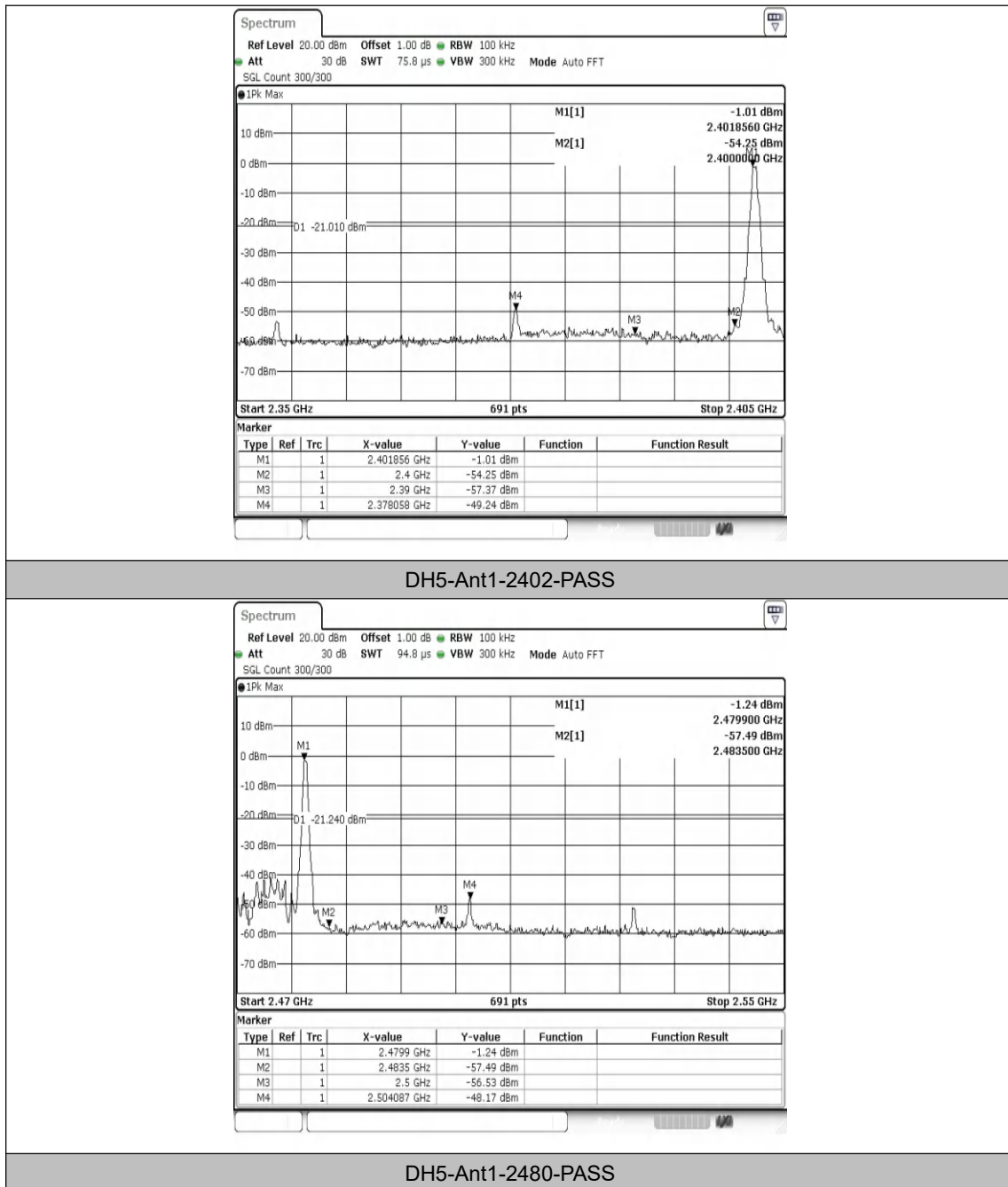
Appendix G: Conducted Band edge

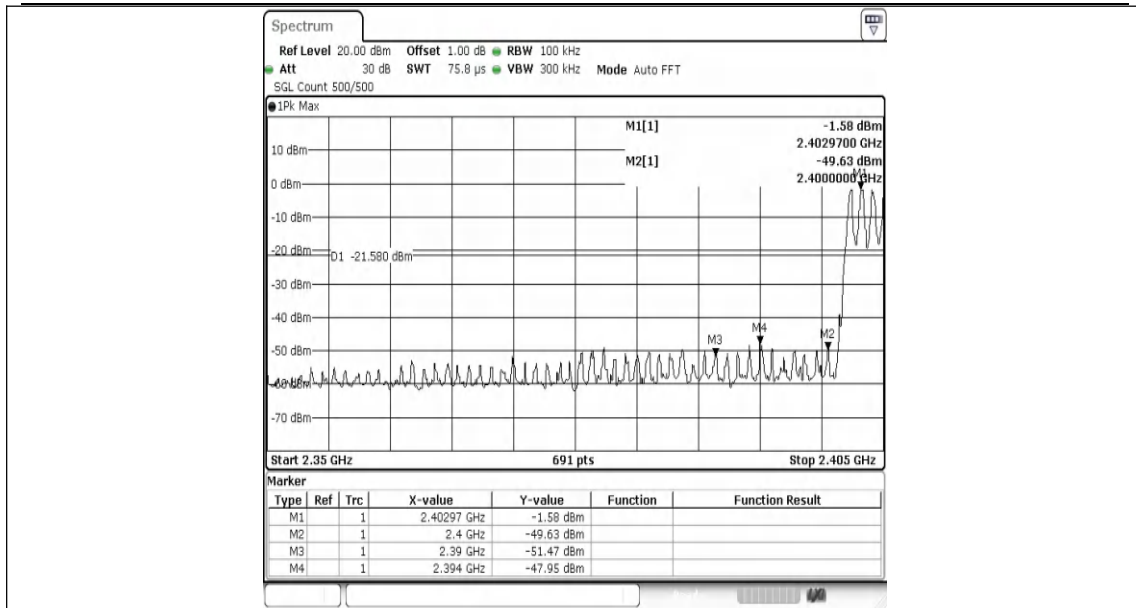
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.01	-49.24	≤-21.01	PASS
DH5	Ant1	High	2480	-1.24	-48.17	≤-21.24	PASS
DH5	Ant1	Low	Hop_2402	-1.58	-47.95	≤-21.58	PASS
DH5	Ant1	High	Hop_2480	-1.66	-49.31	≤-21.66	PASS
2DH5	Ant1	Low	2402	-0.82	-50.25	≤-20.82	PASS
2DH5	Ant1	High	2480	-1.70	-48.54	≤-21.7	PASS
2DH5	Ant1	Low	Hop_2402	-2.21	-49.8	≤-22.21	PASS
2DH5	Ant1	High	Hop_2480	-4.62	-48.81	≤-24.62	PASS
3DH5	Ant1	Low	2402	-2.02	-49.12	≤-22.02	PASS
3DH5	Ant1	High	2480	-1.52	-48.56	≤-21.52	PASS
3DH5	Ant1	Low	Hop_2402	-2.89	-49	≤-22.89	PASS
3DH5	Ant1	High	Hop_2480	-2.17	-50.42	≤-22.17	PASS

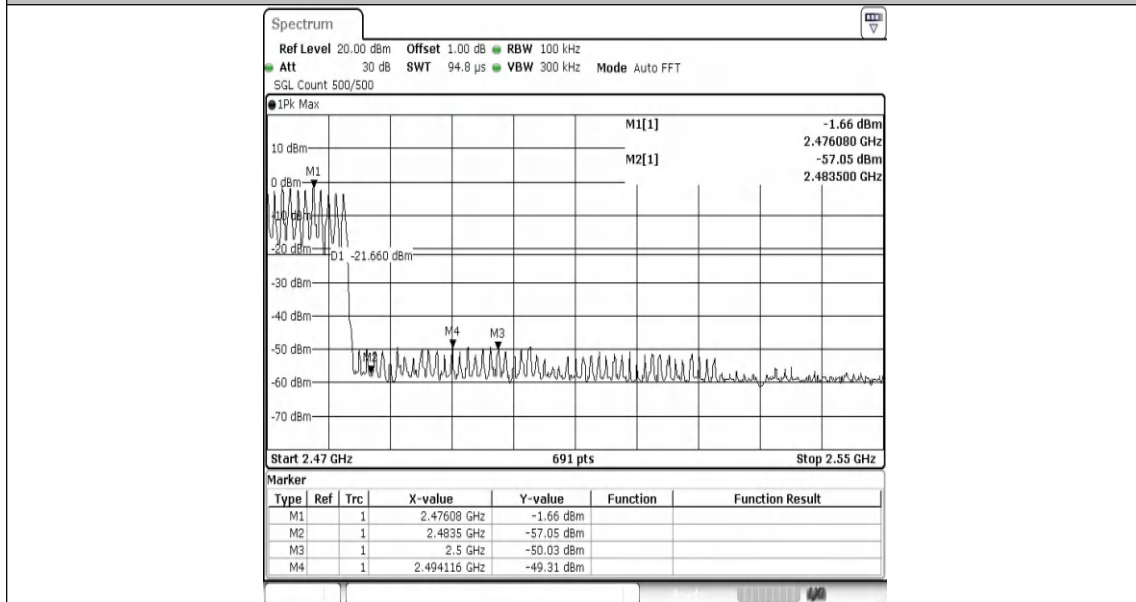
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

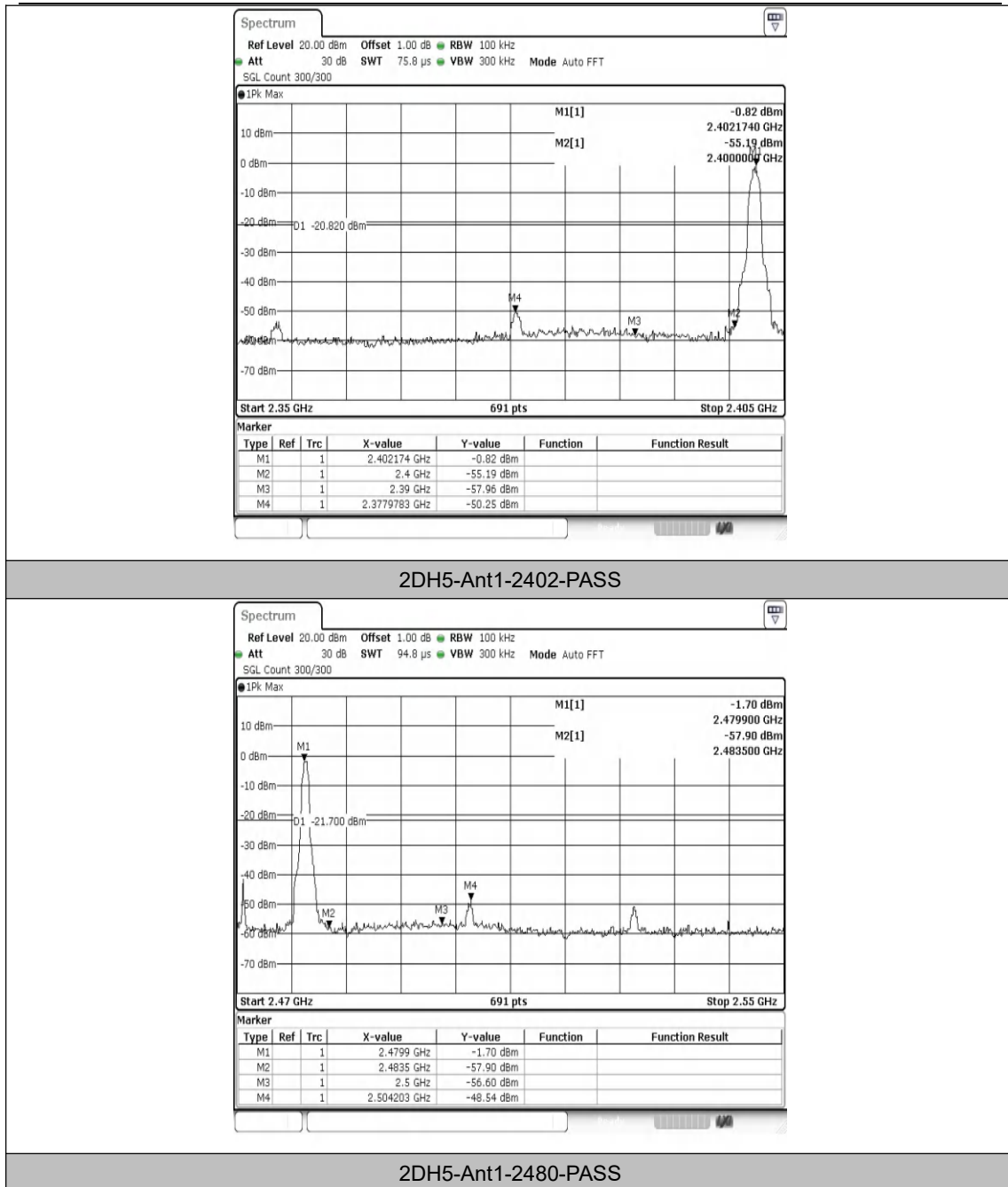




DH5-Ant1-Hop_2402-PASS



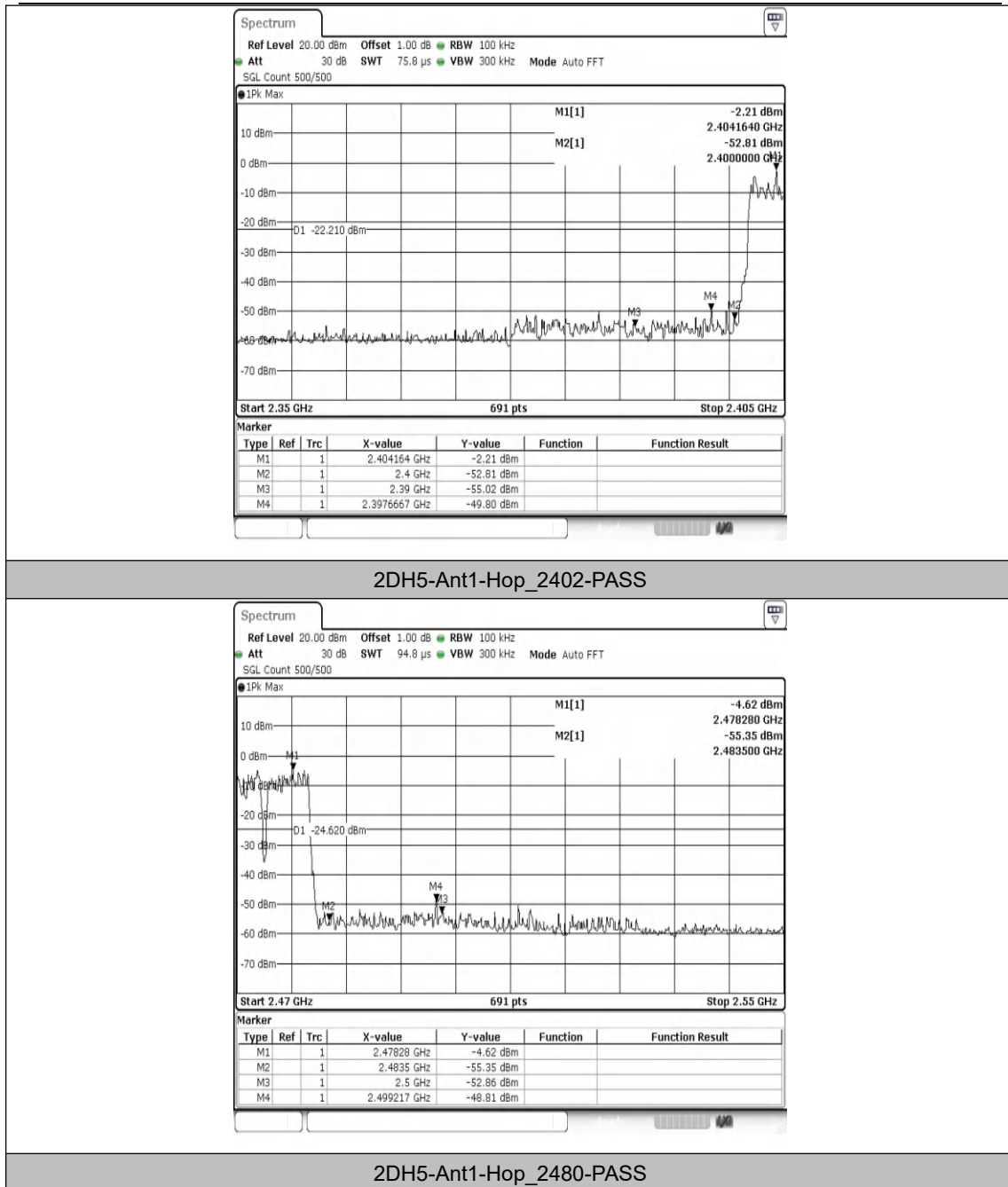
DH5-Ant1-Hop_2480-PASS



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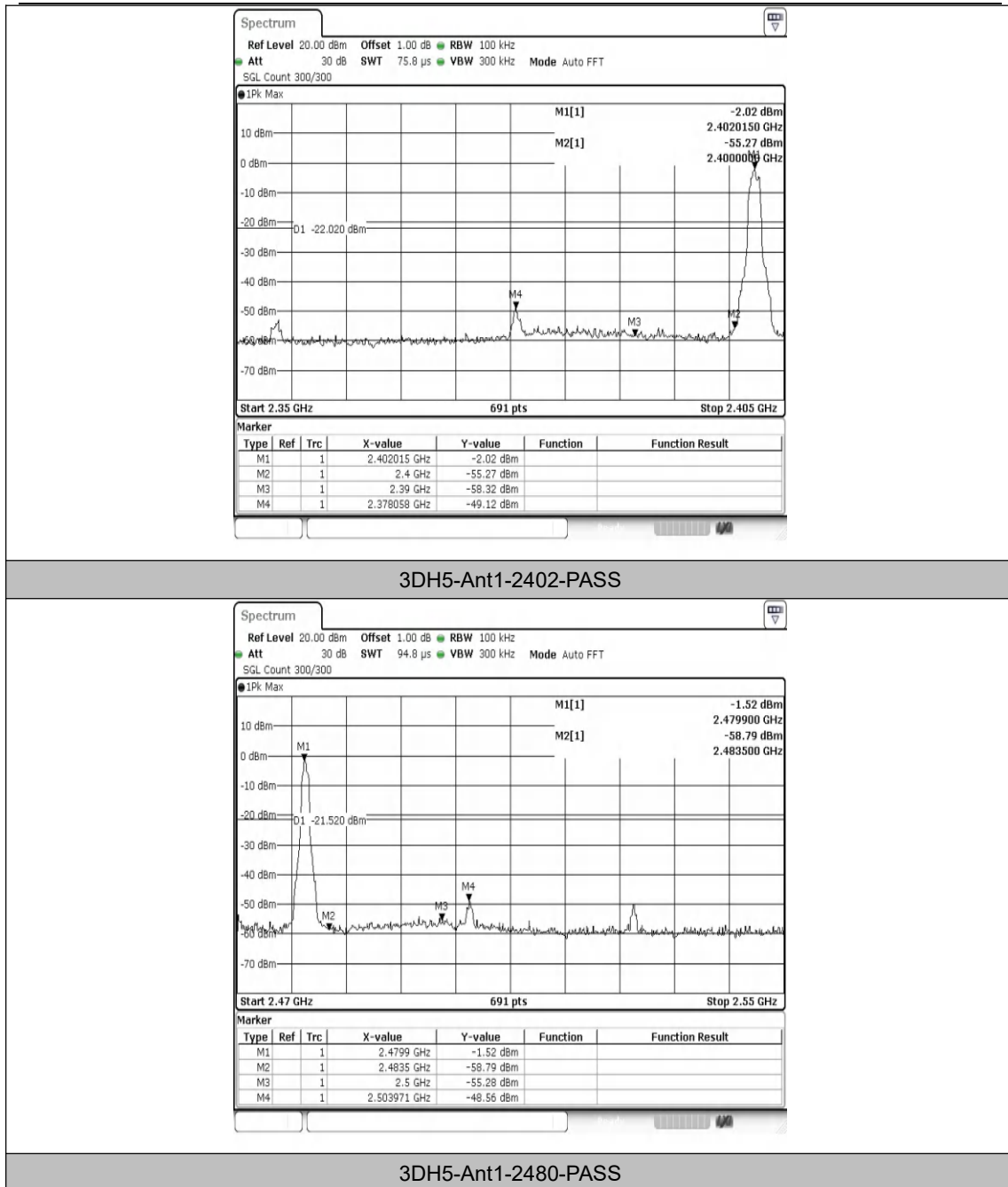
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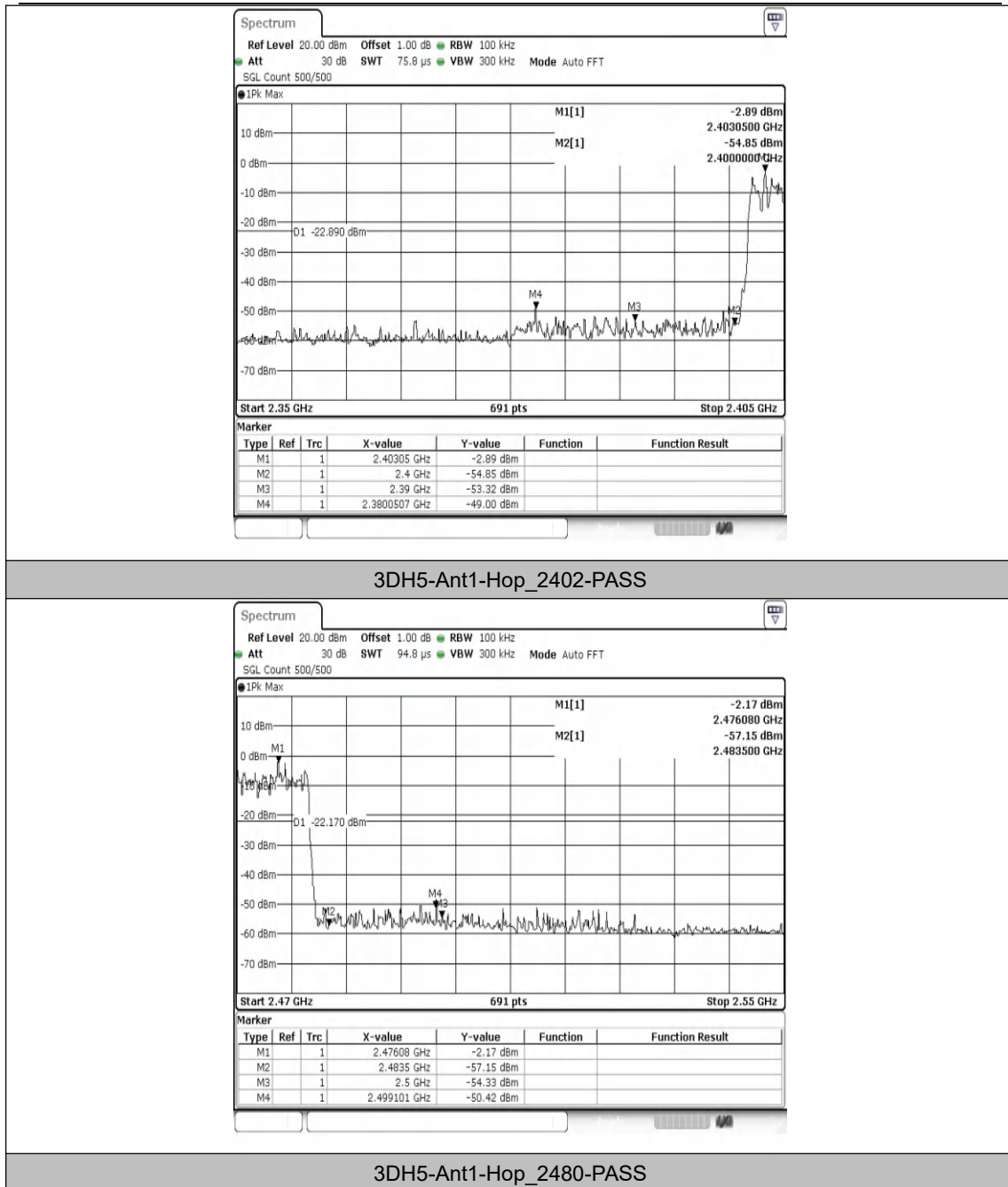
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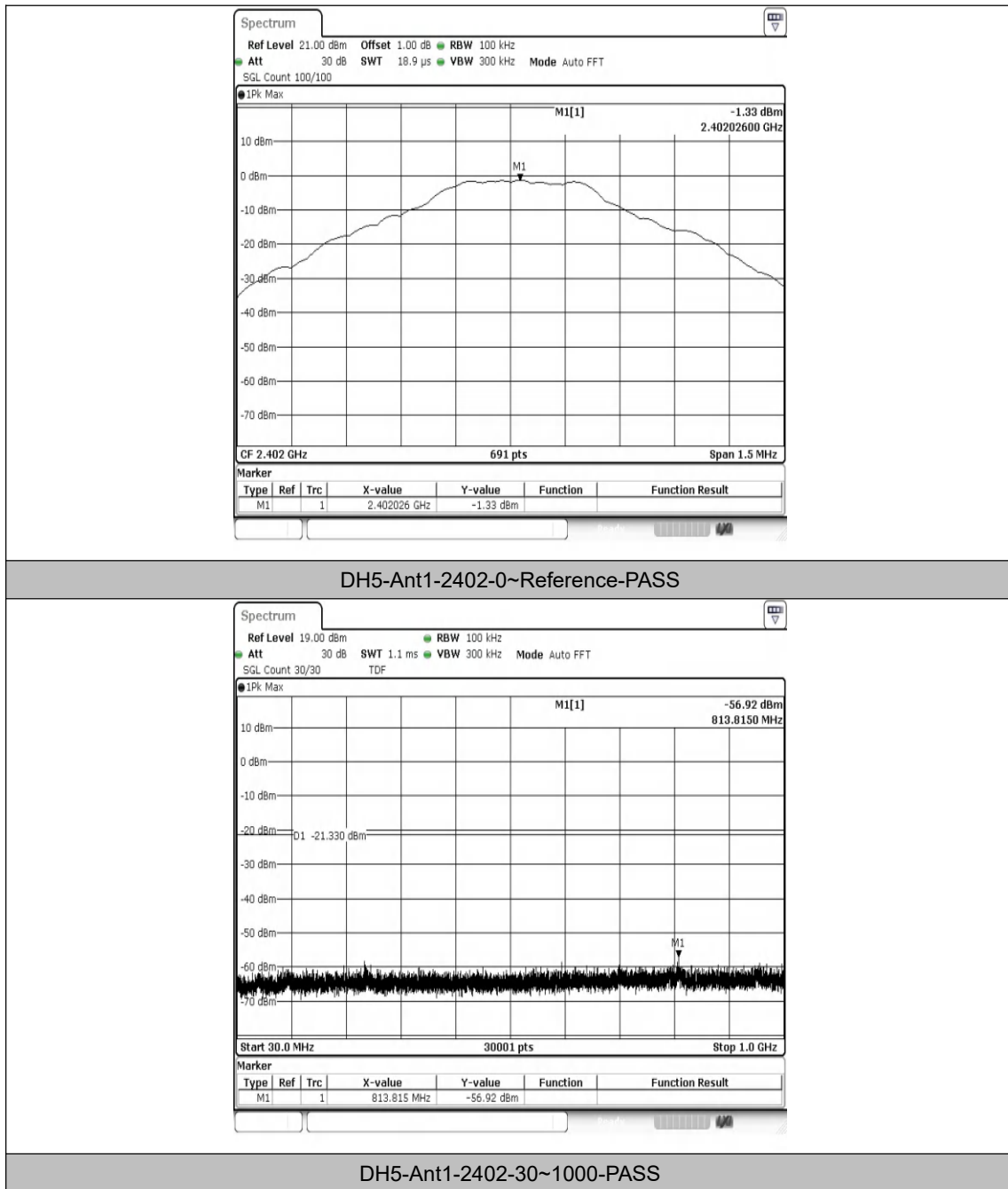
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.33	-1.33	---	PASS
DH5	Ant1	2402	30~1000	-1.33	-56.92	≤-21.33	PASS
DH5	Ant1	2402	1000~26500	-1.33	-39.33	≤-21.33	PASS
DH5	Ant1	2441	0~Reference	-1.55	-1.55	---	PASS
DH5	Ant1	2441	30~1000	-1.55	-57.65	≤-21.55	PASS
DH5	Ant1	2441	1000~26500	-1.55	-41.82	≤-21.55	PASS
DH5	Ant1	2480	0~Reference	-1.32	-1.32	---	PASS
DH5	Ant1	2480	30~1000	-1.32	-57.6	≤-21.32	PASS
DH5	Ant1	2480	1000~26500	-1.32	-40.34	≤-21.32	PASS
2DH5	Ant1	2402	0~Reference	-2.19	-2.19	---	PASS
2DH5	Ant1	2402	30~1000	-2.19	-58.62	≤-22.19	PASS
2DH5	Ant1	2402	1000~26500	-2.19	-42.54	≤-22.19	PASS
2DH5	Ant1	2441	0~Reference	-2.49	-2.49	---	PASS
2DH5	Ant1	2441	30~1000	-2.49	-58.26	≤-22.49	PASS
2DH5	Ant1	2441	1000~26500	-2.49	-44.5	≤-22.49	PASS
2DH5	Ant1	2480	0~Reference	-2.05	-2.05	---	PASS
2DH5	Ant1	2480	30~1000	-2.05	-58.21	≤-22.05	PASS
2DH5	Ant1	2480	1000~26500	-2.05	-42.91	≤-22.05	PASS
3DH5	Ant1	2402	0~Reference	-2.61	-2.61	---	PASS
3DH5	Ant1	2402	30~1000	-2.61	-57.96	≤-22.61	PASS
3DH5	Ant1	2402	1000~26500	-2.61	-40.4	≤-22.61	PASS
3DH5	Ant1	2441	0~Reference	-1.16	-1.16	---	PASS
3DH5	Ant1	2441	30~1000	-1.16	-58.3	≤-21.16	PASS
3DH5	Ant1	2441	1000~26500	-1.16	-43.09	≤-21.16	PASS
3DH5	Ant1	2480	0~Reference	-1.61	-1.61	---	PASS
3DH5	Ant1	2480	30~1000	-1.61	-58.23	≤-21.61	PASS
3DH5	Ant1	2480	1000~26500	-1.61	-42.68	≤-21.61	PASS

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

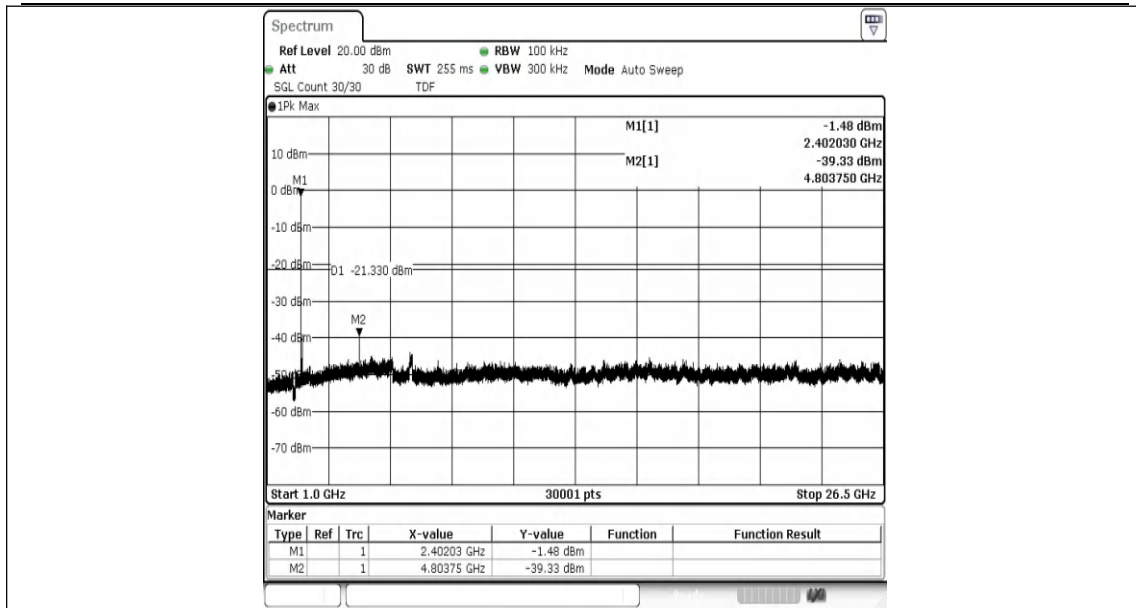
Test Graphs



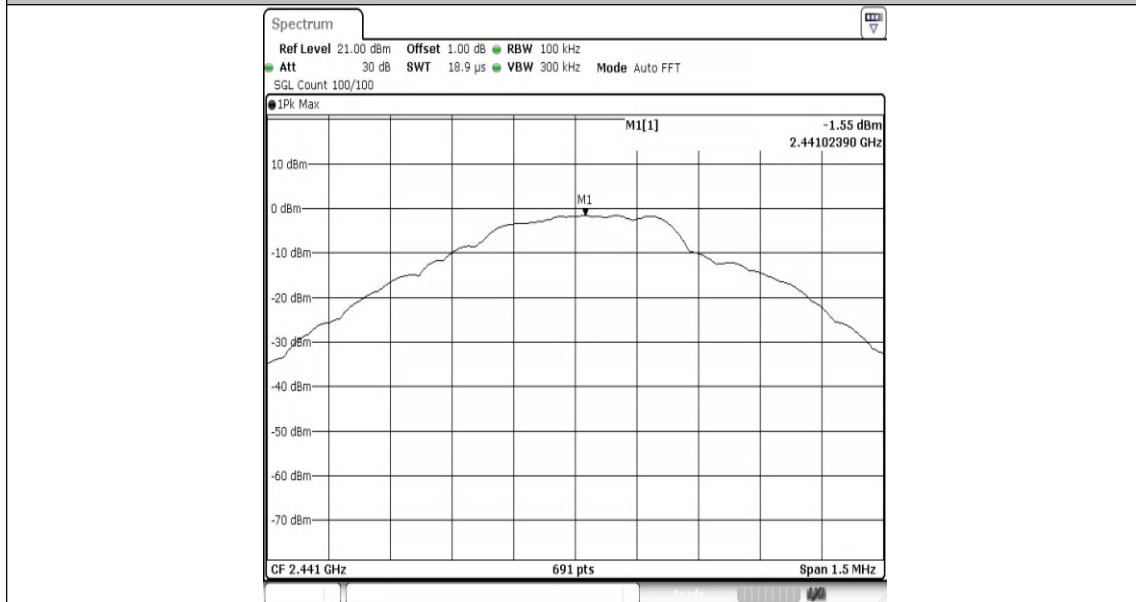
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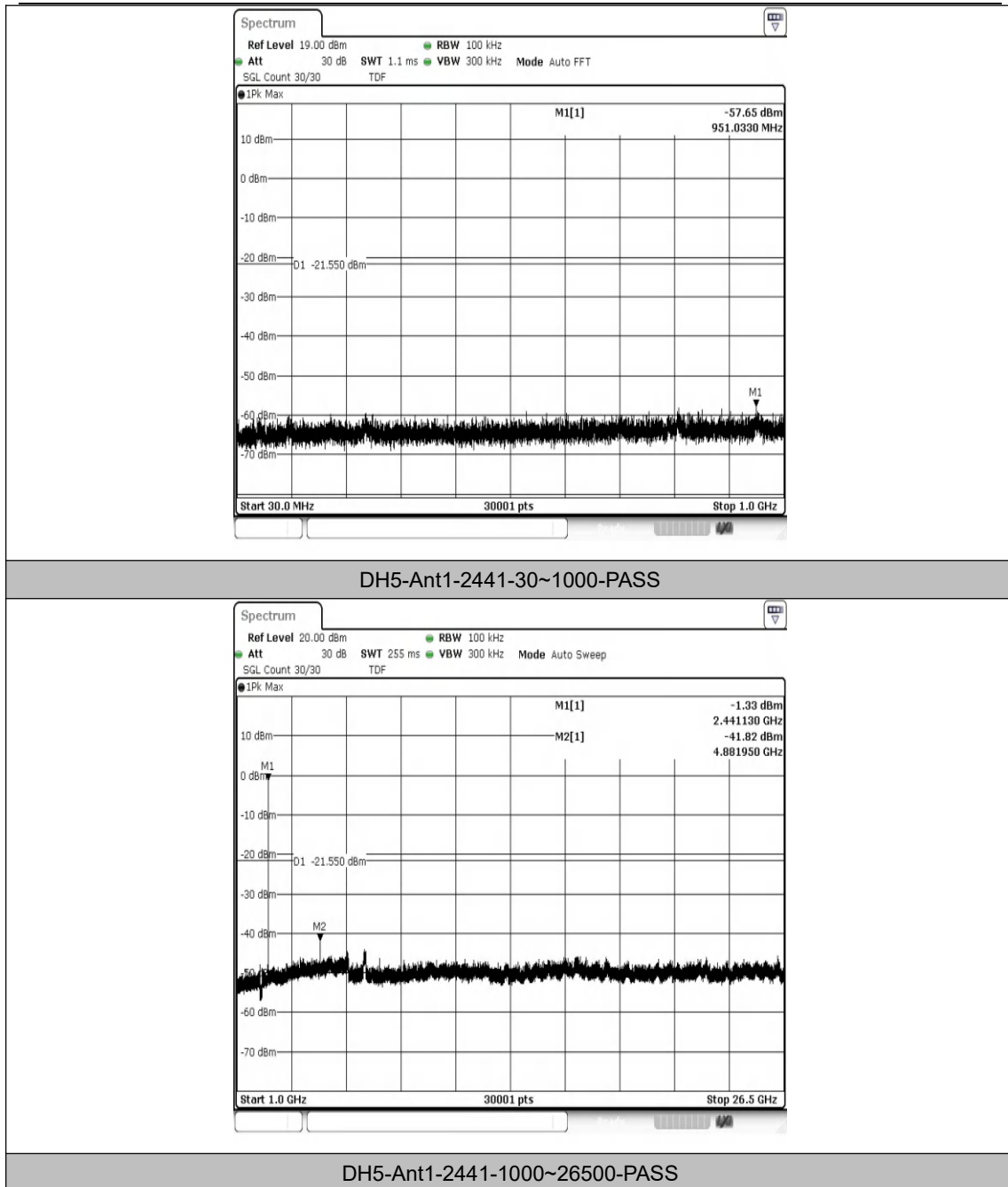
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DH5-Ant1-2402-1000~26500-PASS



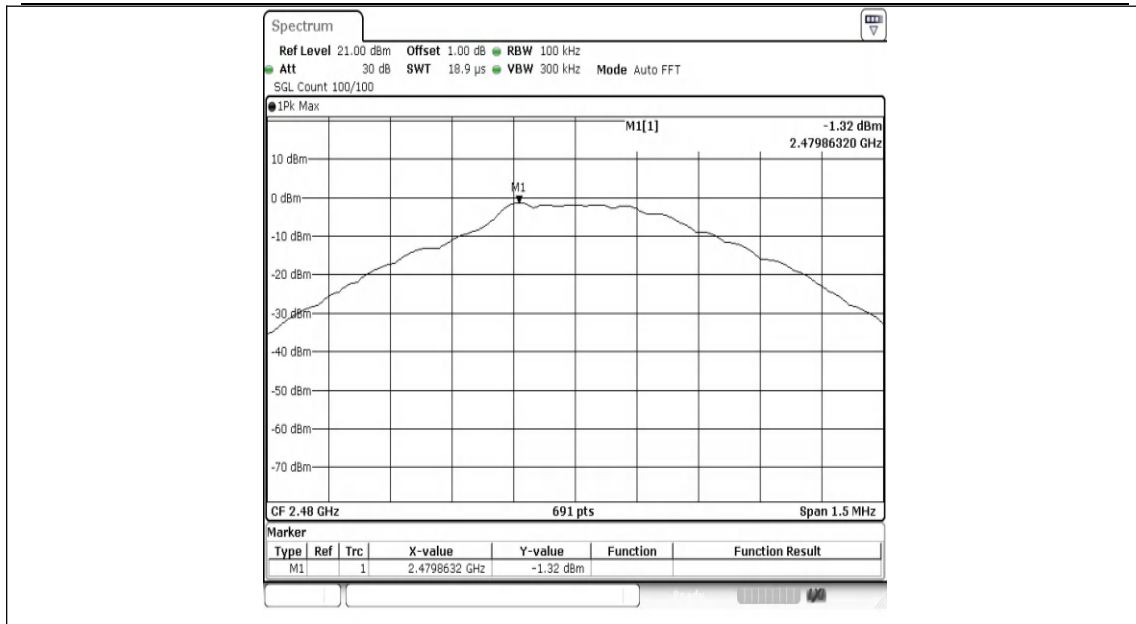
DH5-Ant1-2441-0~Reference-PASS



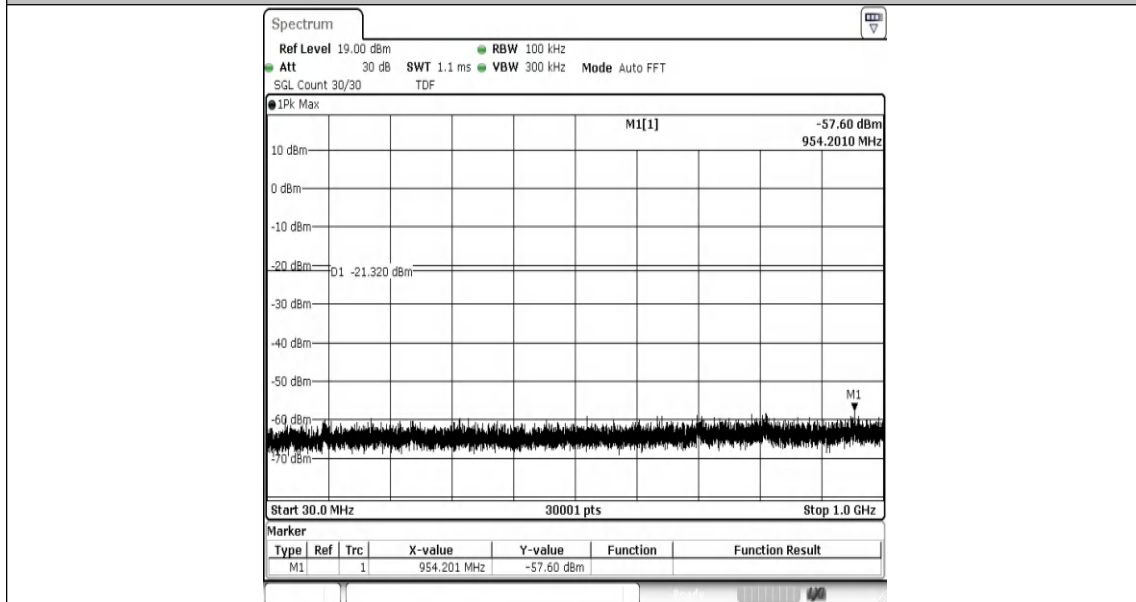
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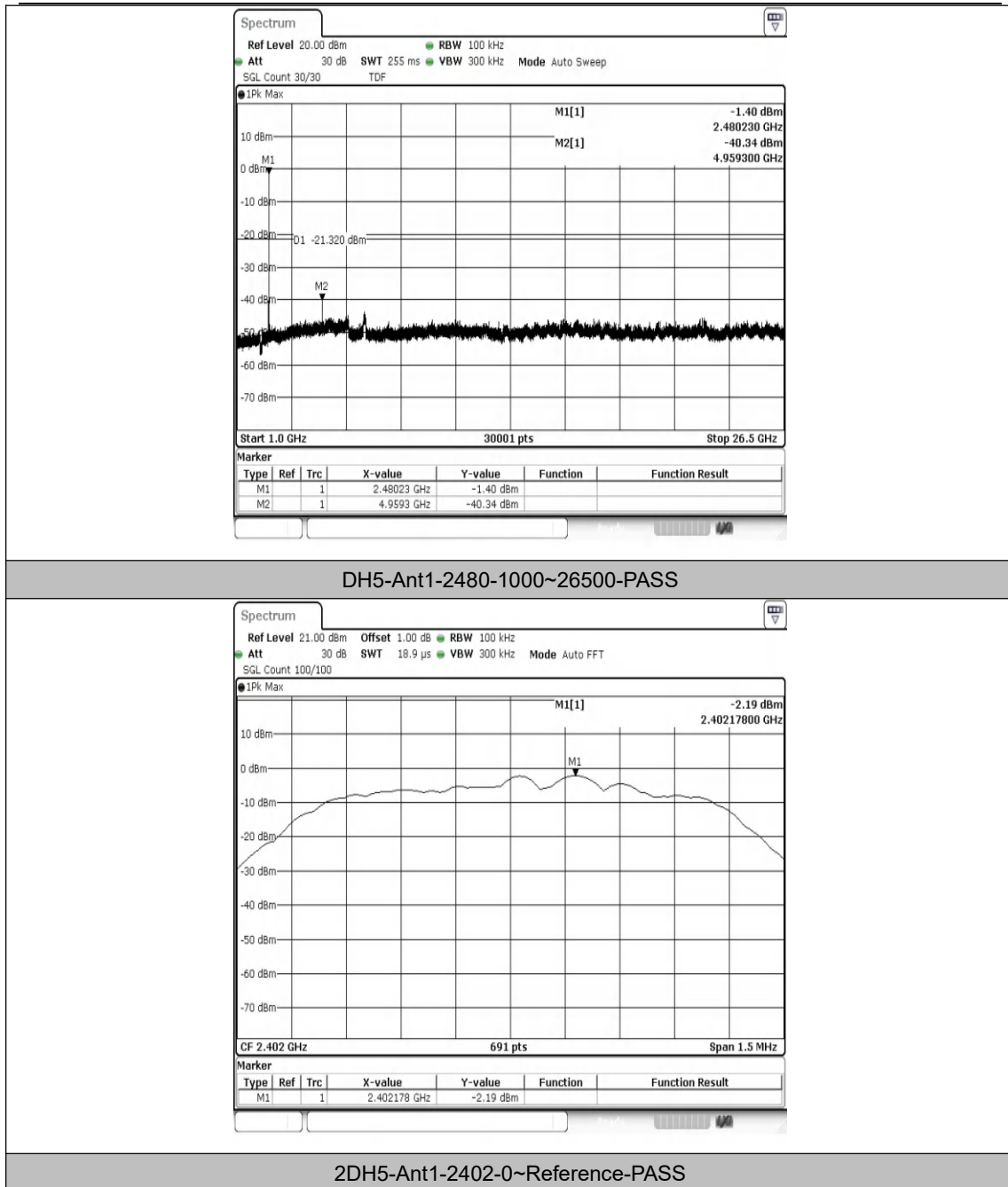
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DH5-Ant1-2480-0~Reference-PASS



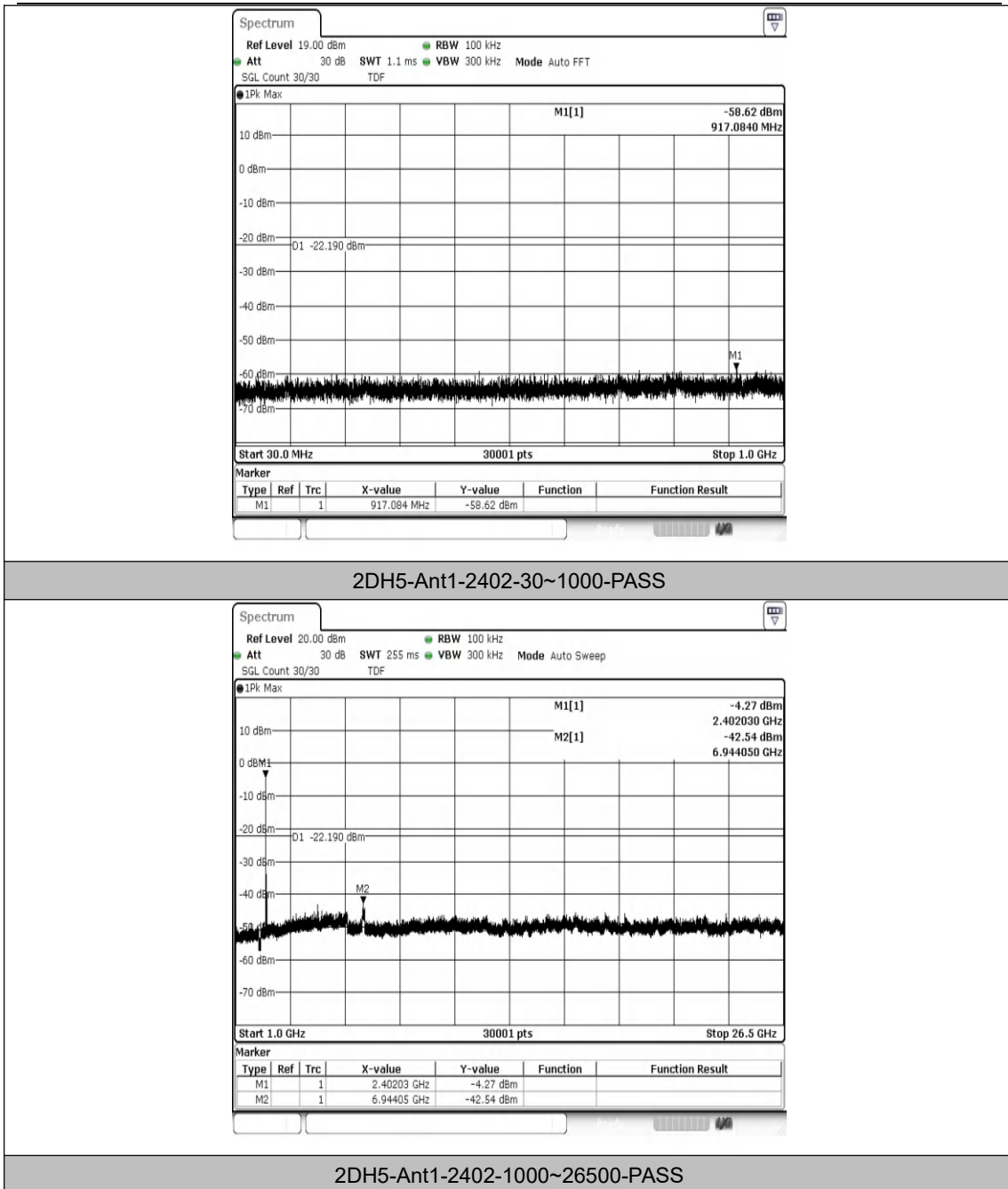
DH5-Ant1-2480-30~1000-PASS



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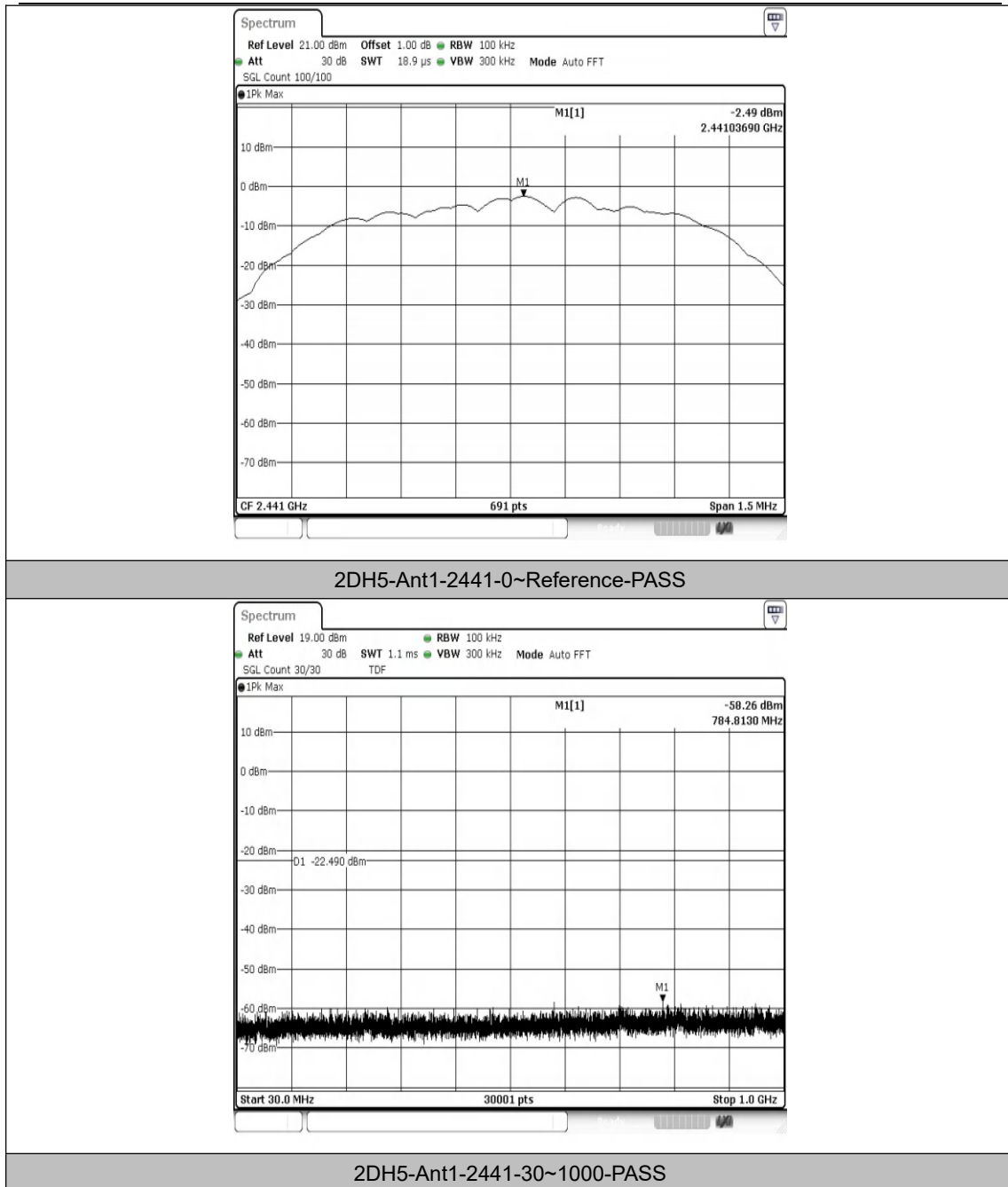
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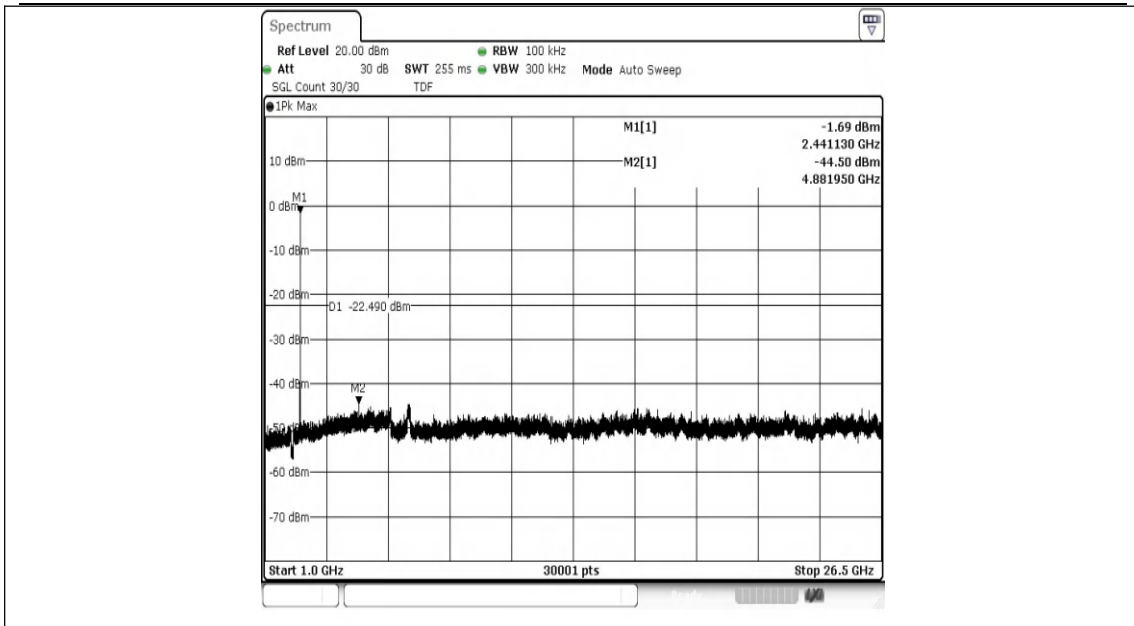
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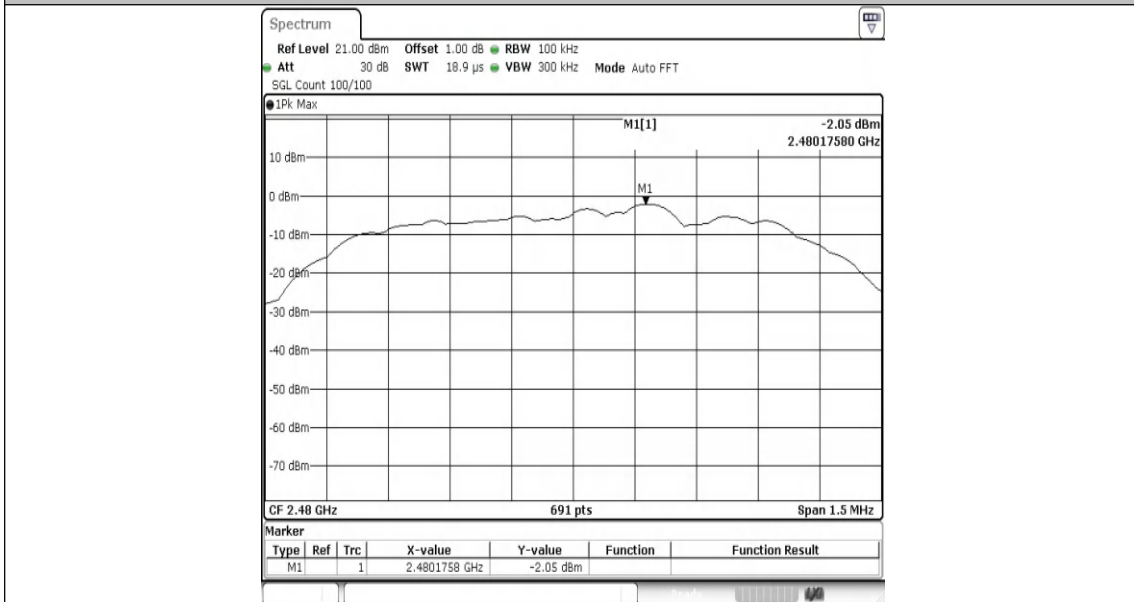
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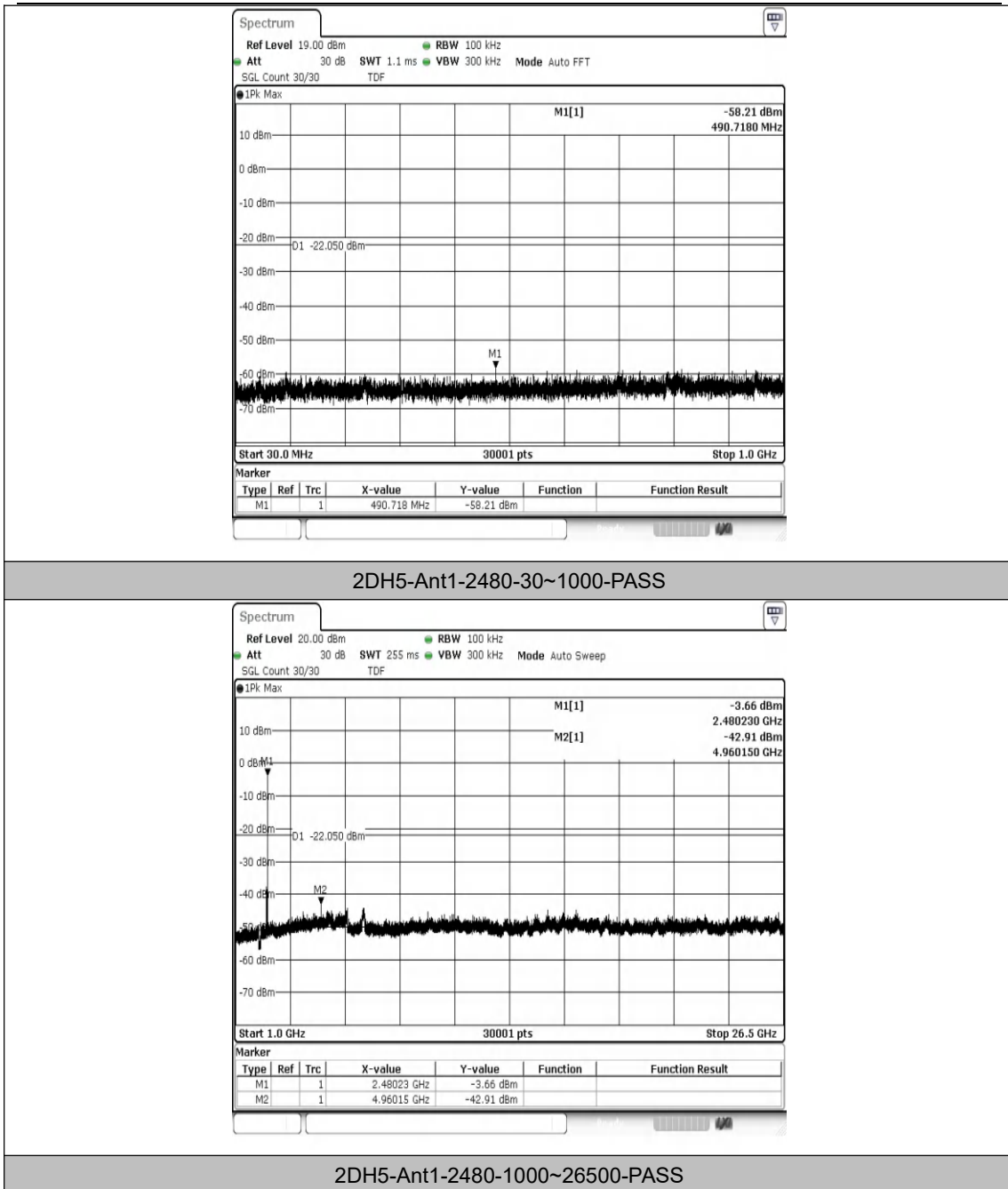
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2DH5-Ant1-2441-1000~26500-PASS



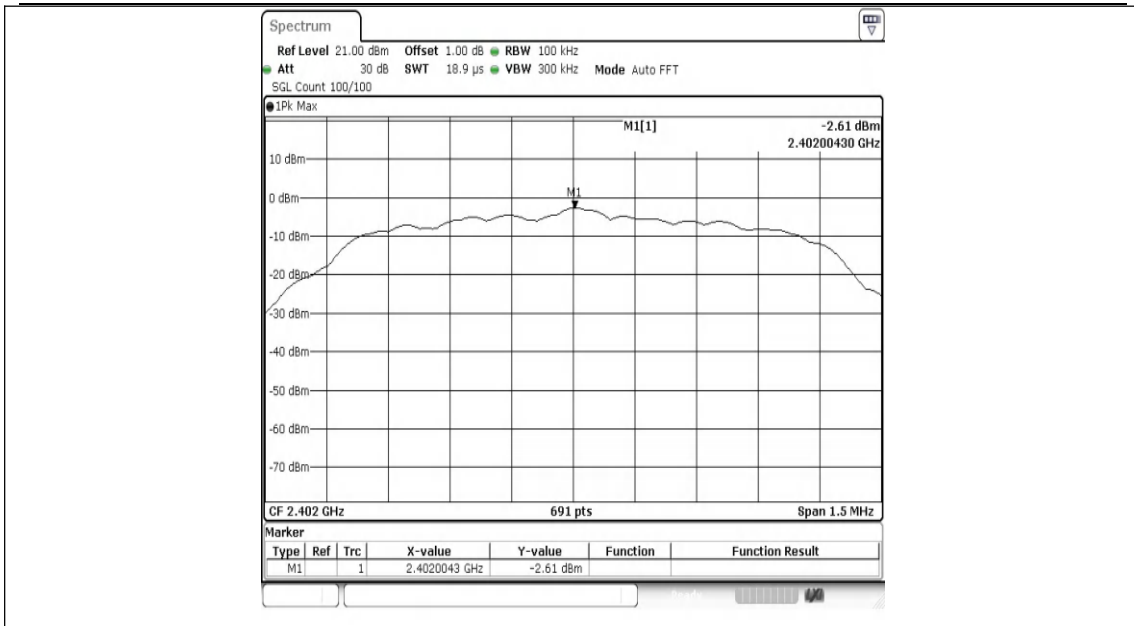
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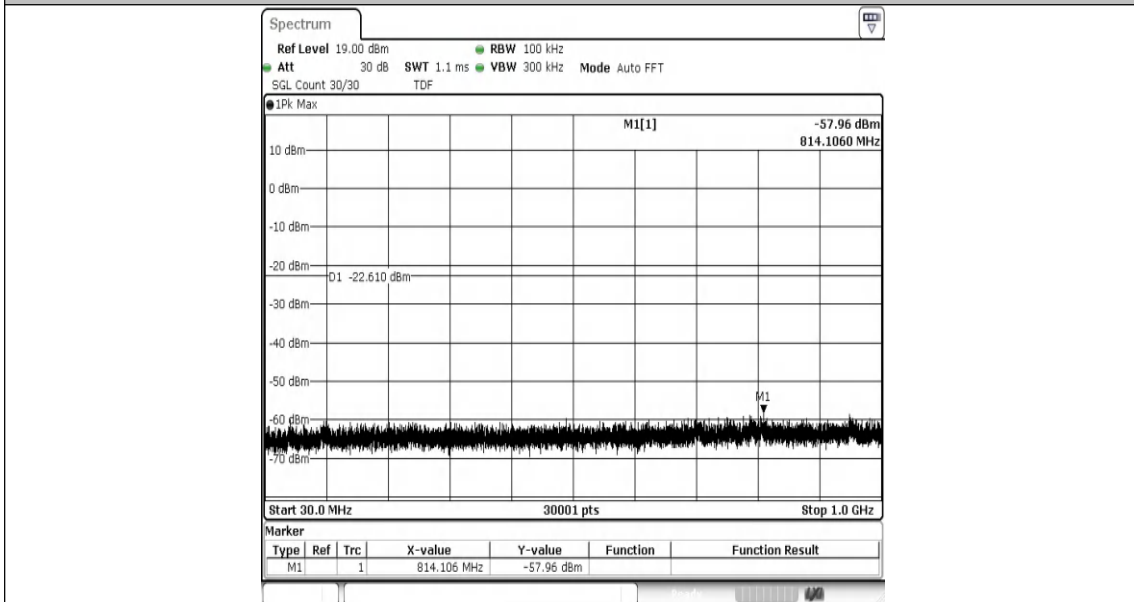
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3DH5-Ant1-2402-0~Reference-PASS

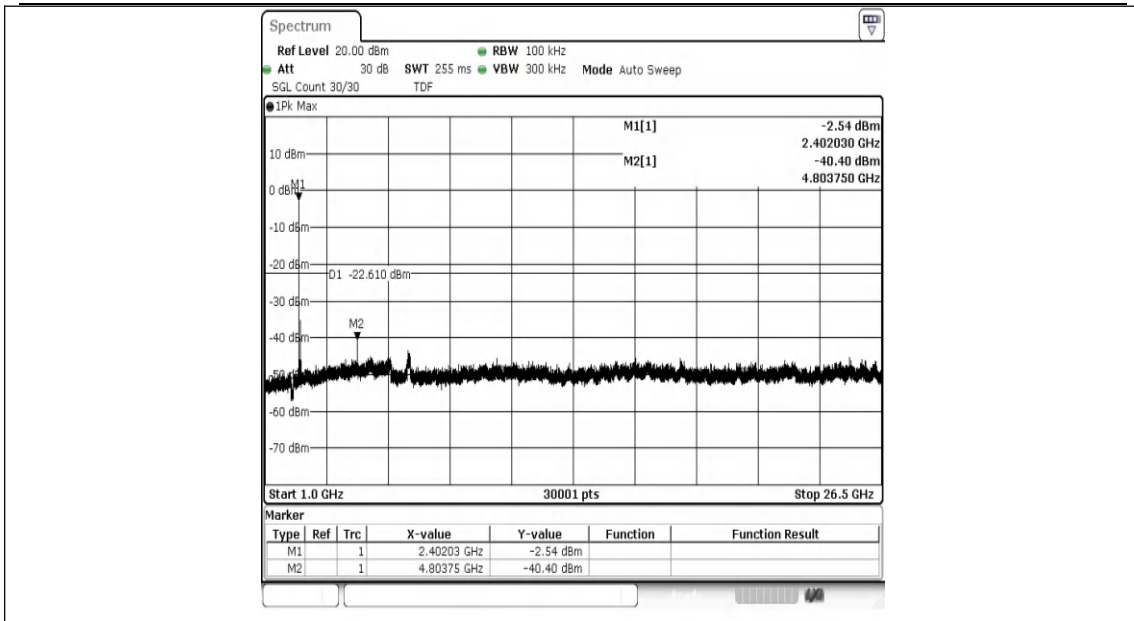


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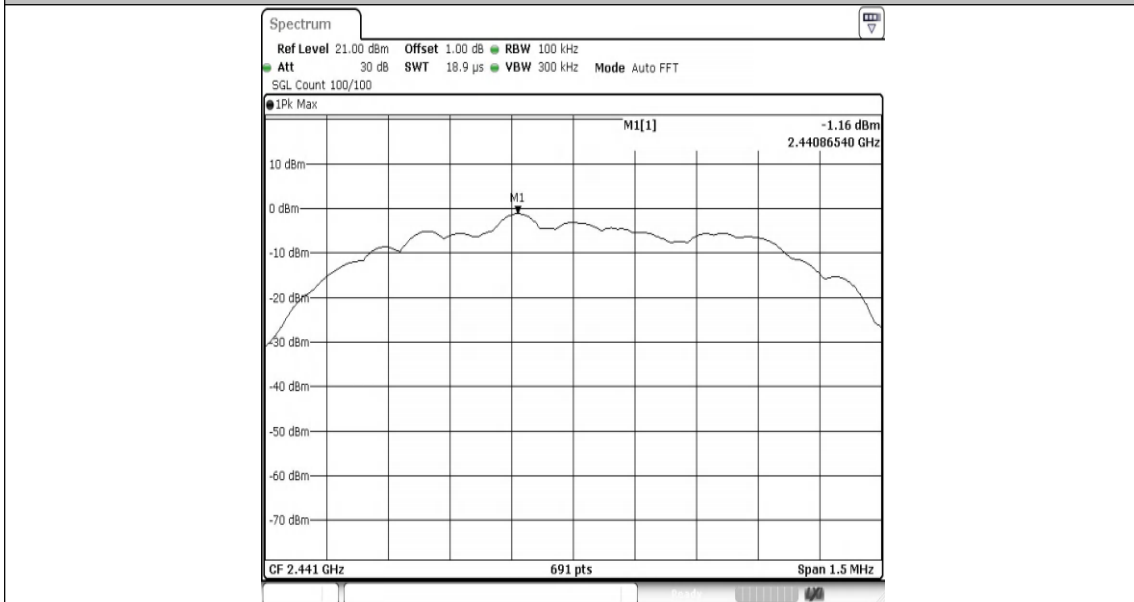
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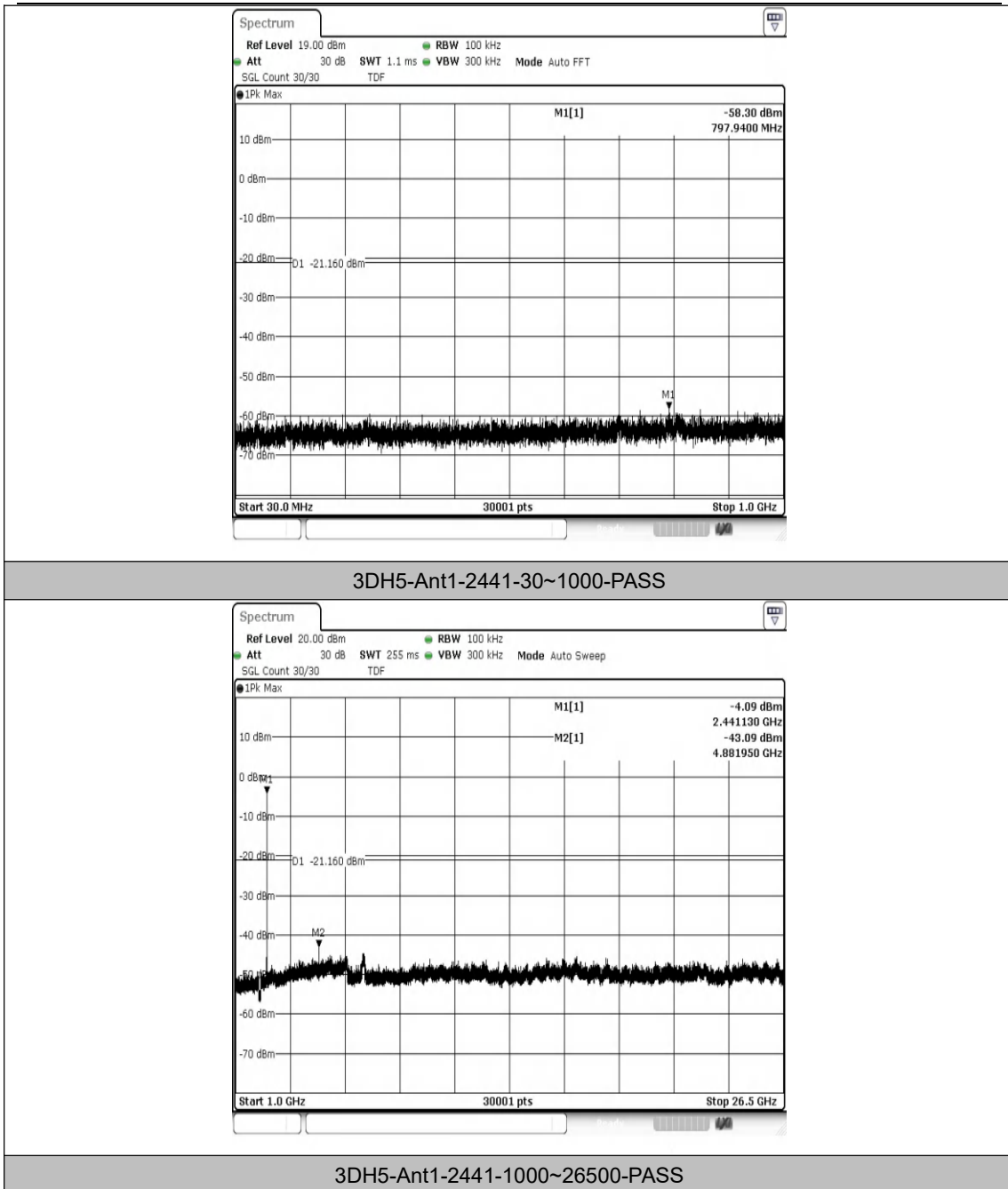
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3DH5-Ant1-2402-1000~26500-PASS



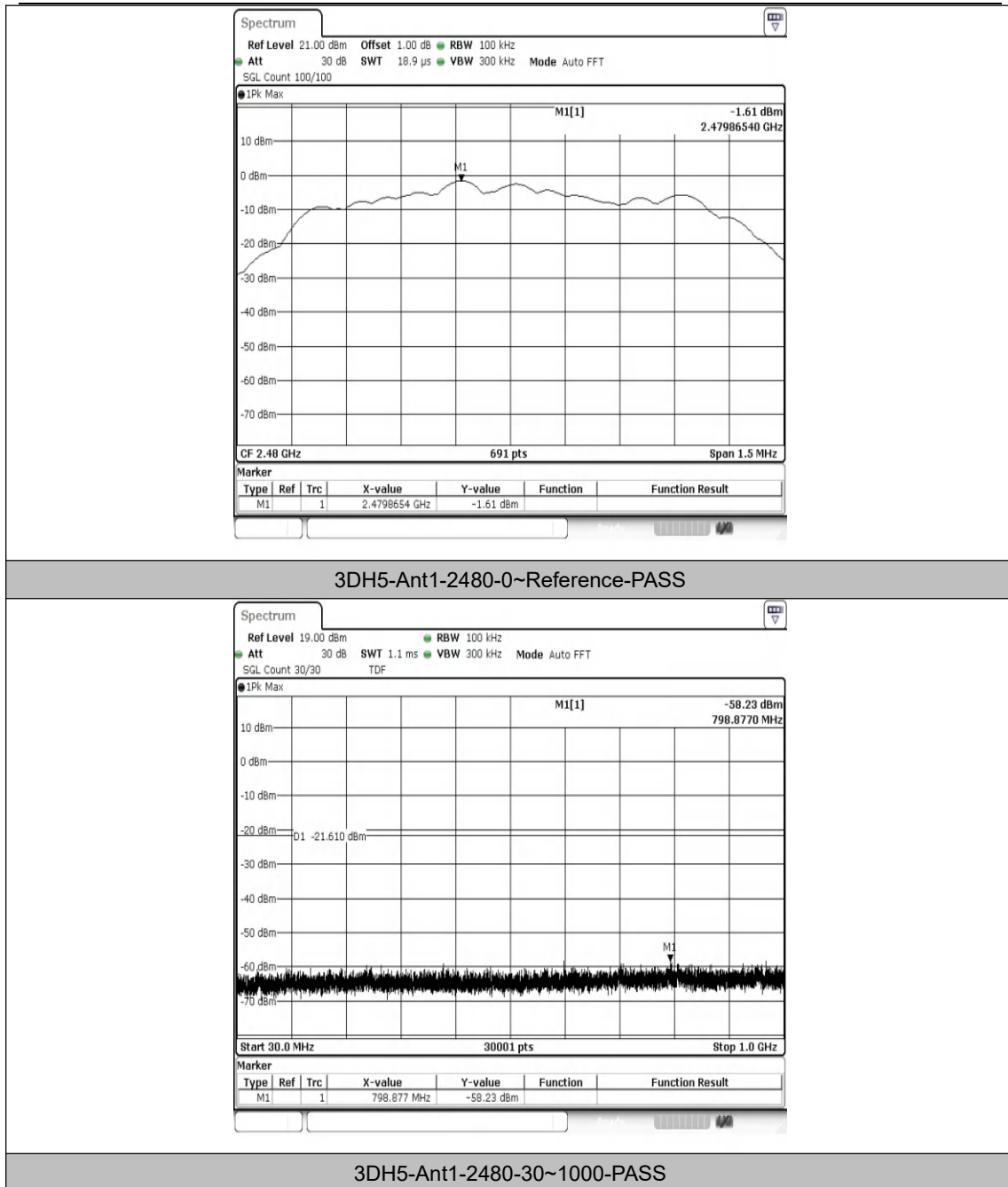
3DH5-Ant1-2441-0~Reference-PASS



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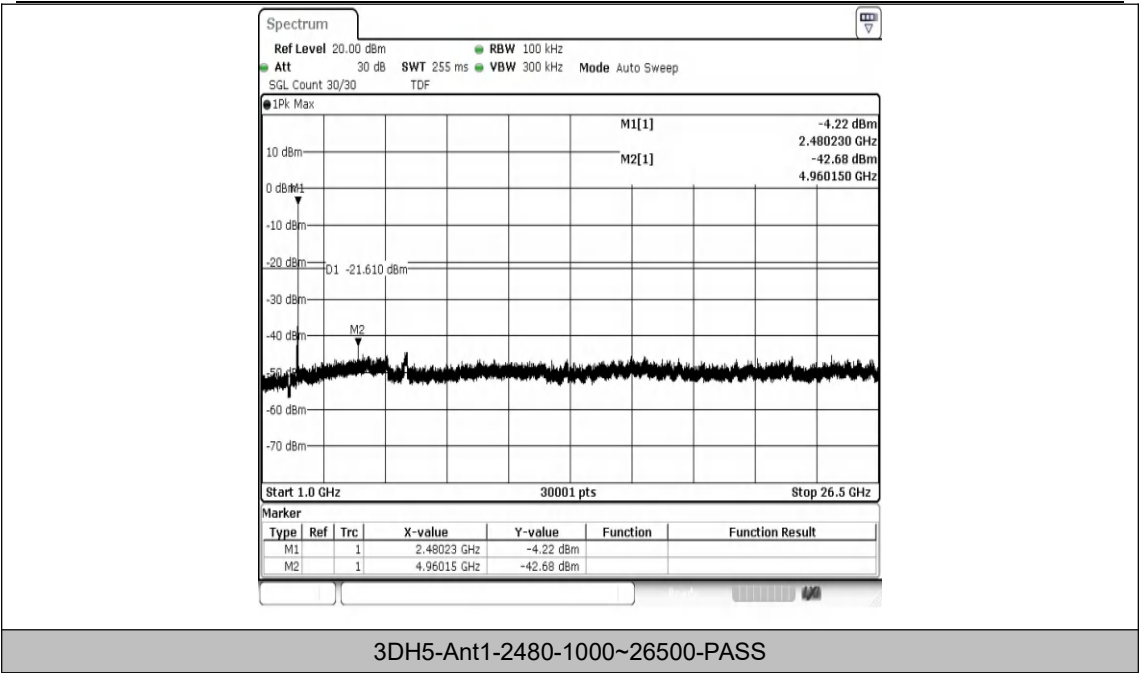
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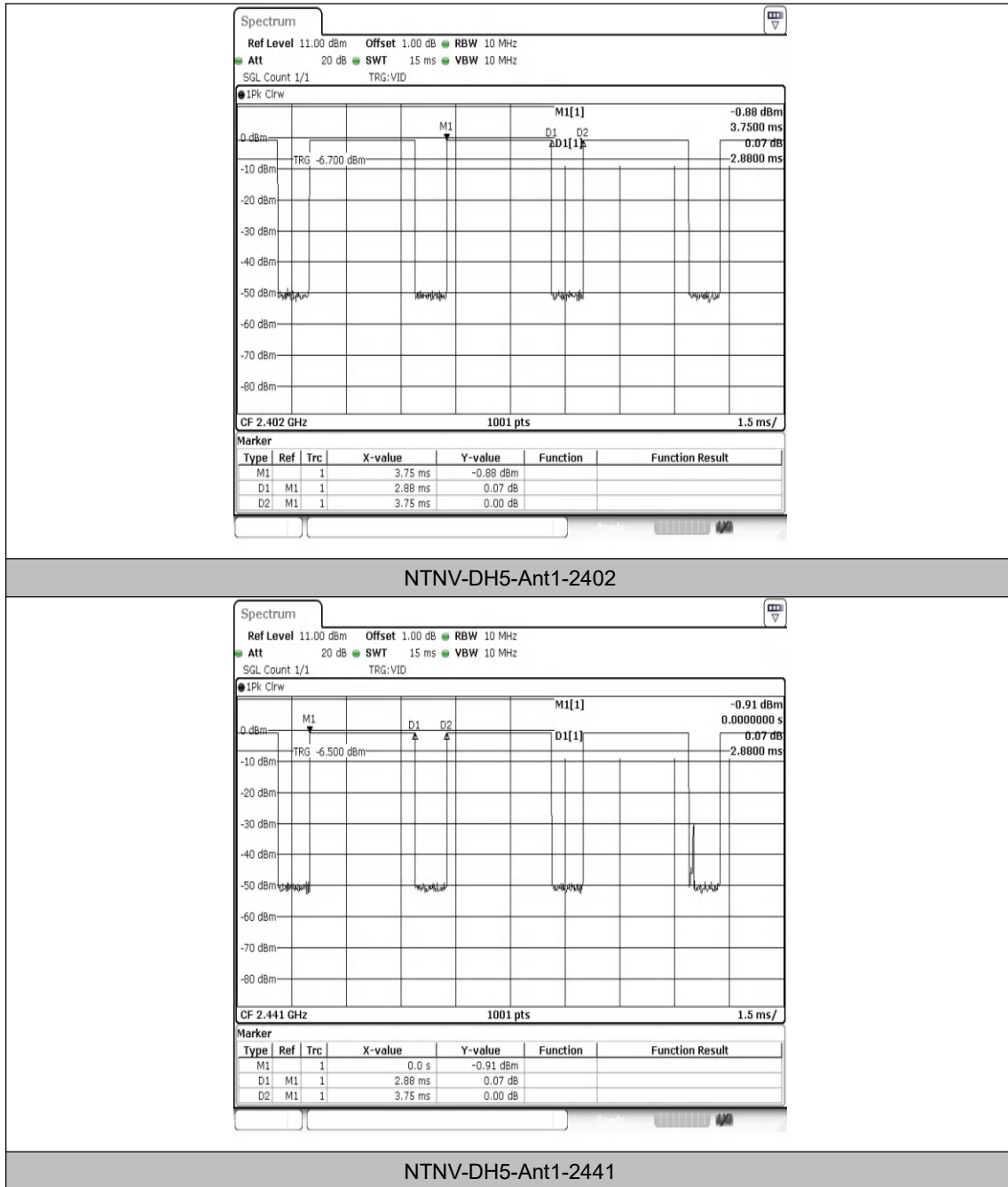
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

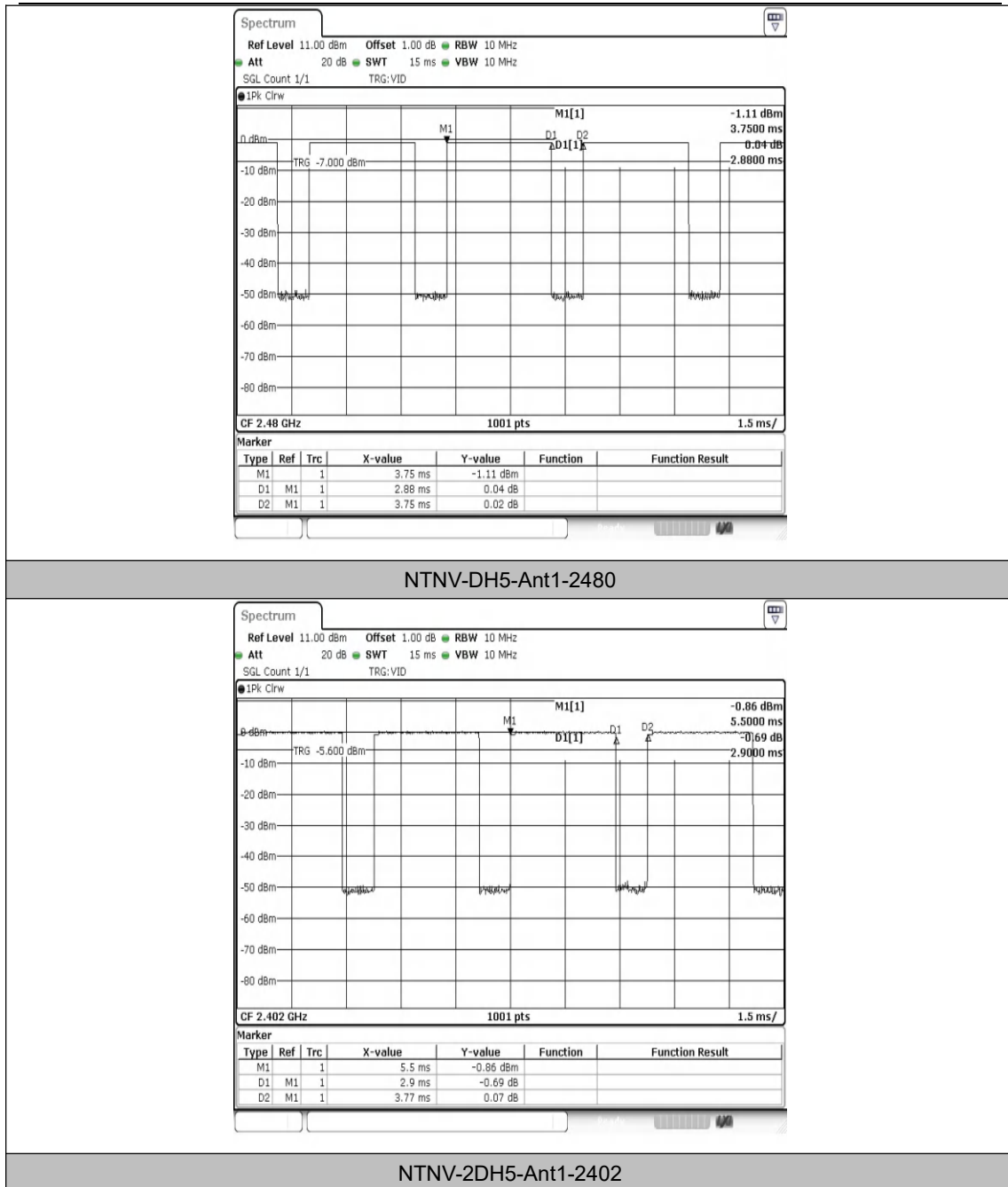
Appendix I: Duty Cycle

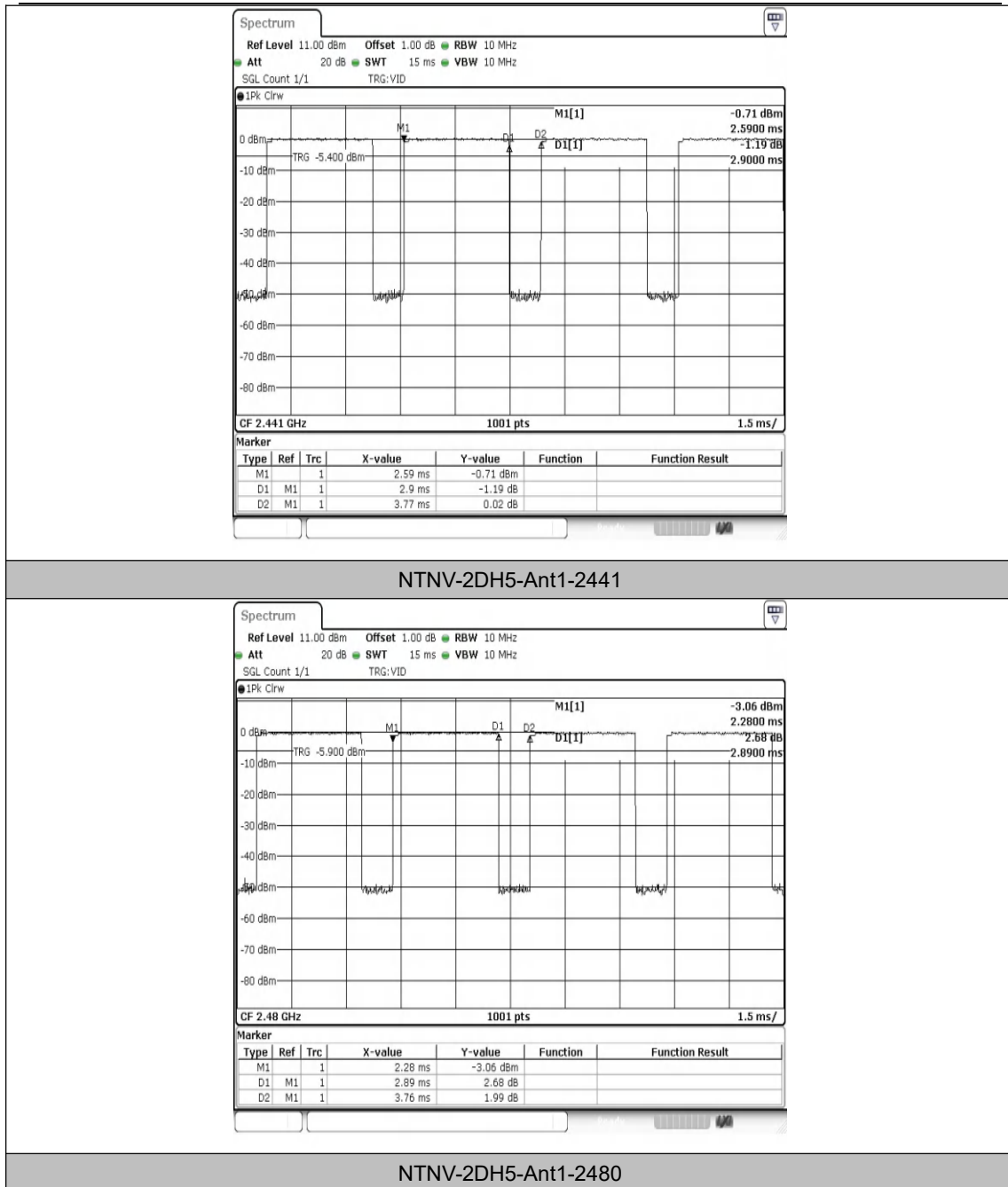
Test Result

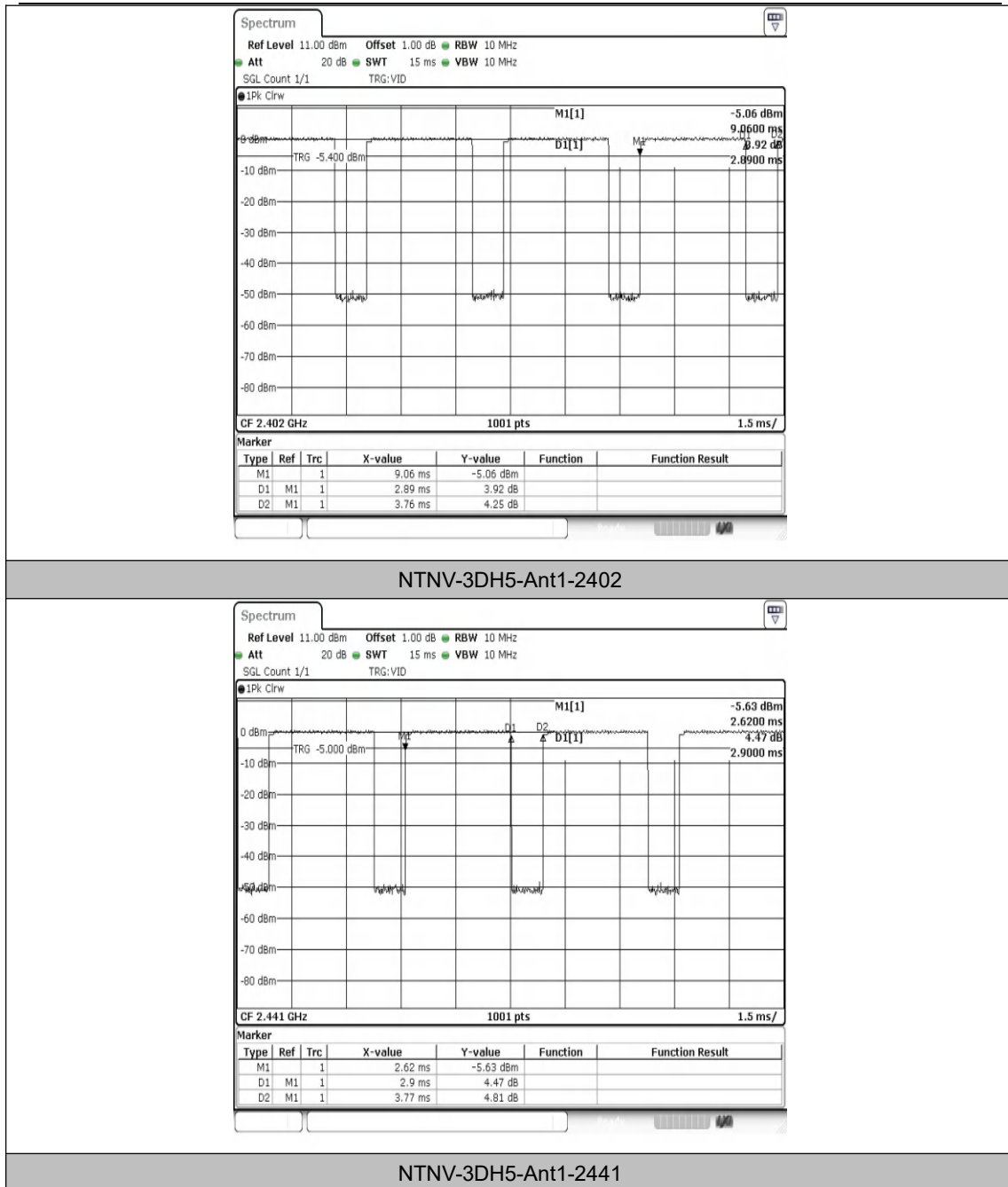
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.90	3.77	76.92	1.14
2DH5	Ant1	2441	2.90	3.77	76.92	1.14
2DH5	Ant1	2480	2.89	3.76	76.86	1.14
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.90	3.77	76.92	1.14
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

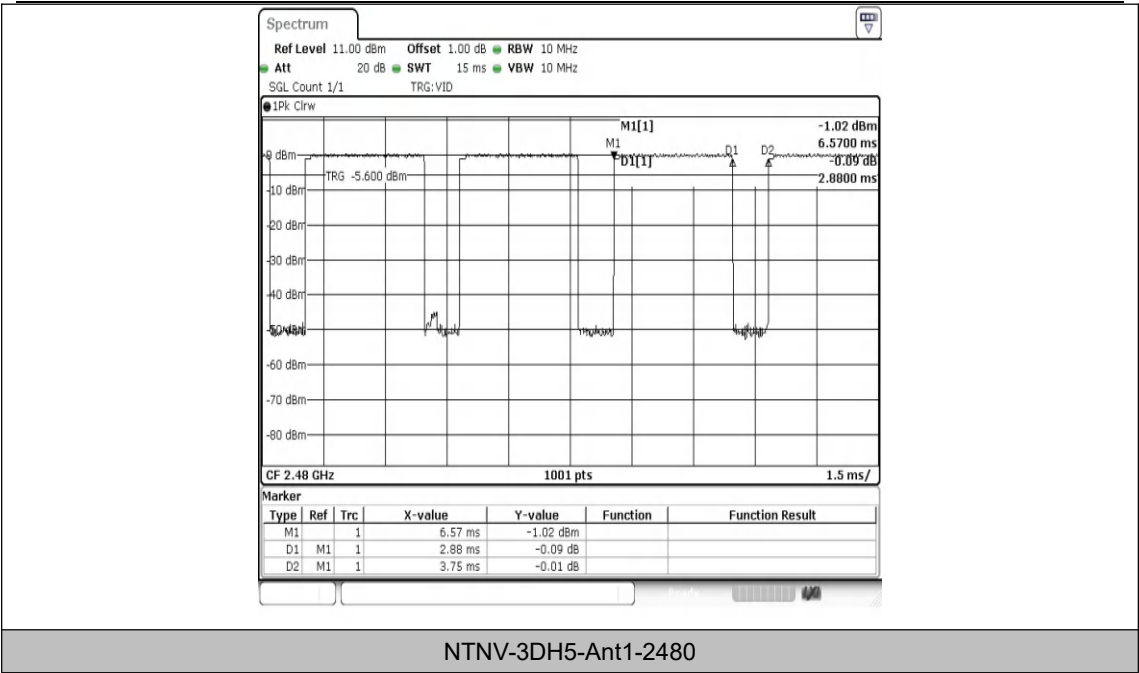
Test Graphs











---End---