

Appendix Test Data

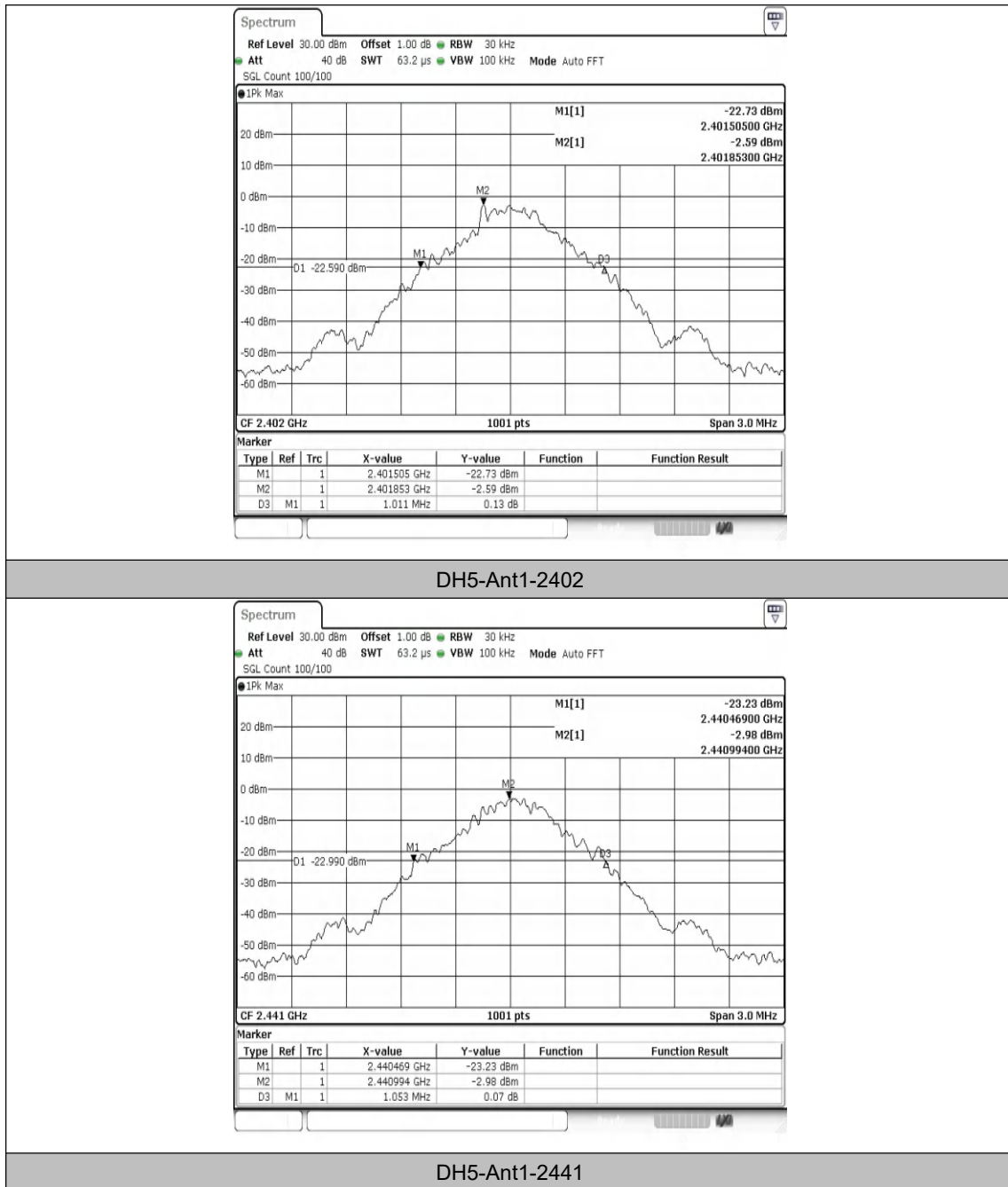
Report No.:	1819C50085912501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-31	Finish Test Date:	2025-8-6
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.2°C	Relative Humidity:	55%
Pressure:	101kPa		

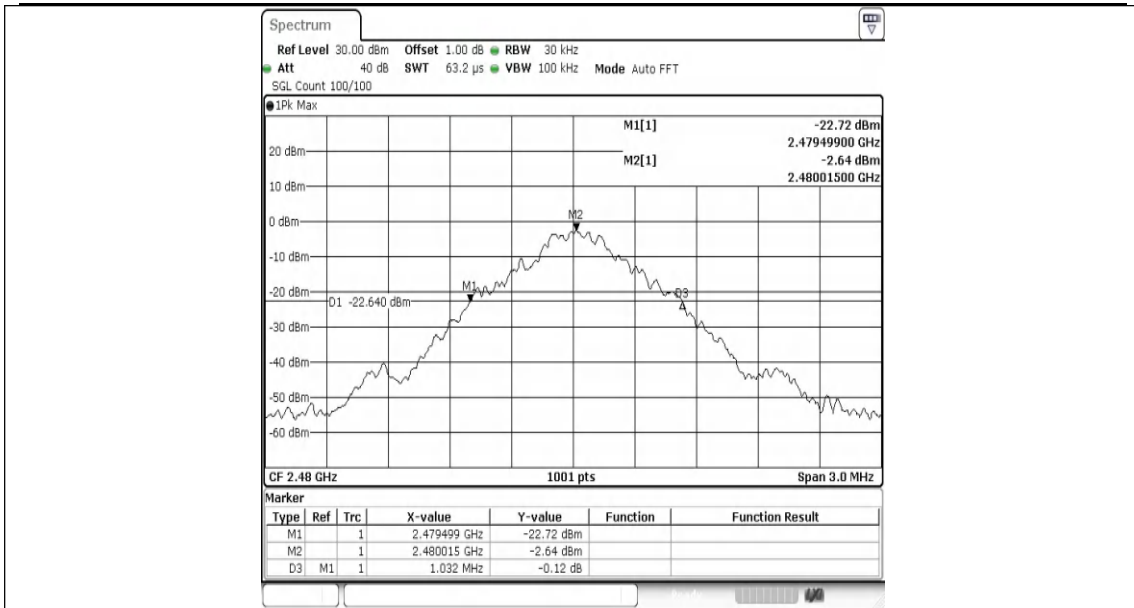
Appendix A: 20dB Bandwidth

Test Result

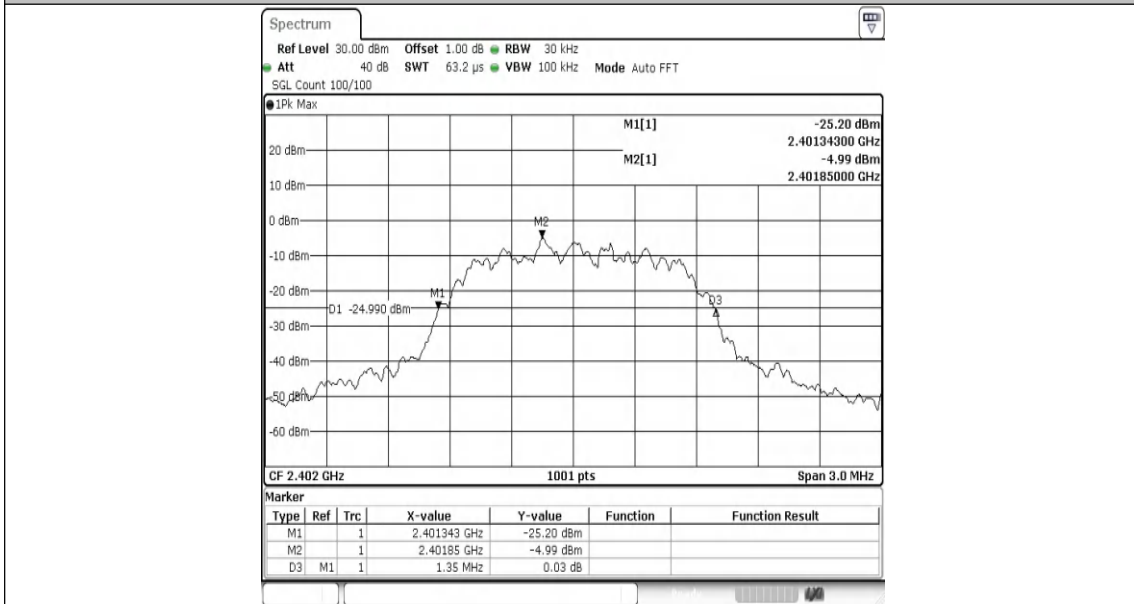
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.01	2401.51	2402.52	---	---
DH5	Ant1	2441	1.05	2440.47	2441.52	---	---
DH5	Ant1	2480	1.03	2479.50	2480.53	---	---
2DH5	Ant1	2402	1.35	2401.34	2402.69	---	---
2DH5	Ant1	2441	1.32	2440.36	2441.68	---	---
2DH5	Ant1	2480	1.32	2479.35	2480.67	---	---
3DH5	Ant1	2402	1.37	2401.33	2402.69	---	---
3DH5	Ant1	2441	1.29	2440.37	2441.66	---	---
3DH5	Ant1	2480	1.31	2479.36	2480.67	---	---

Test Graphs

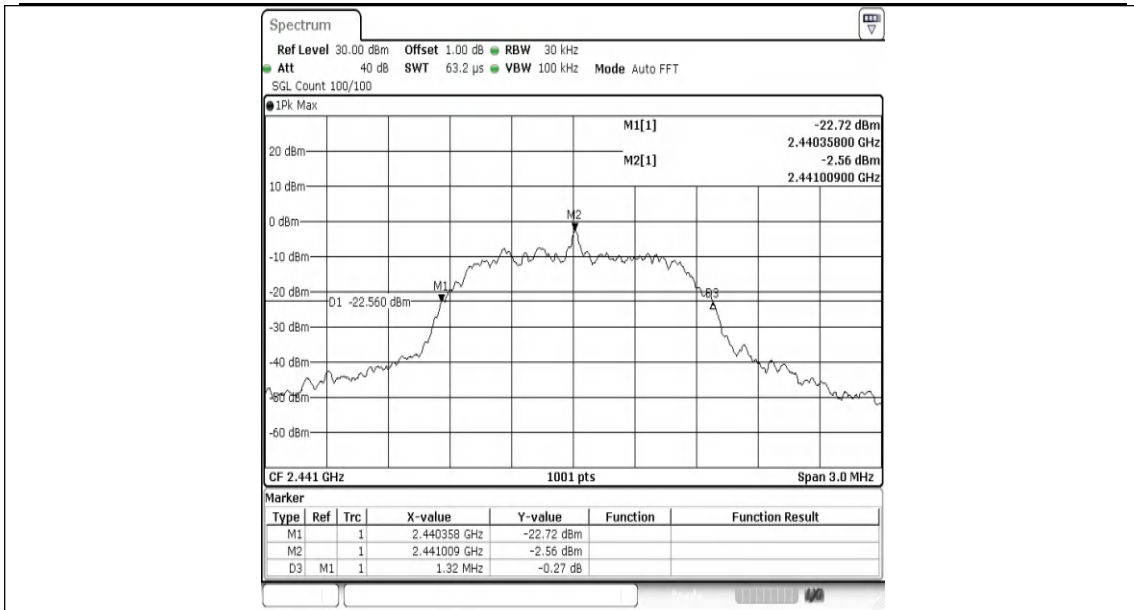




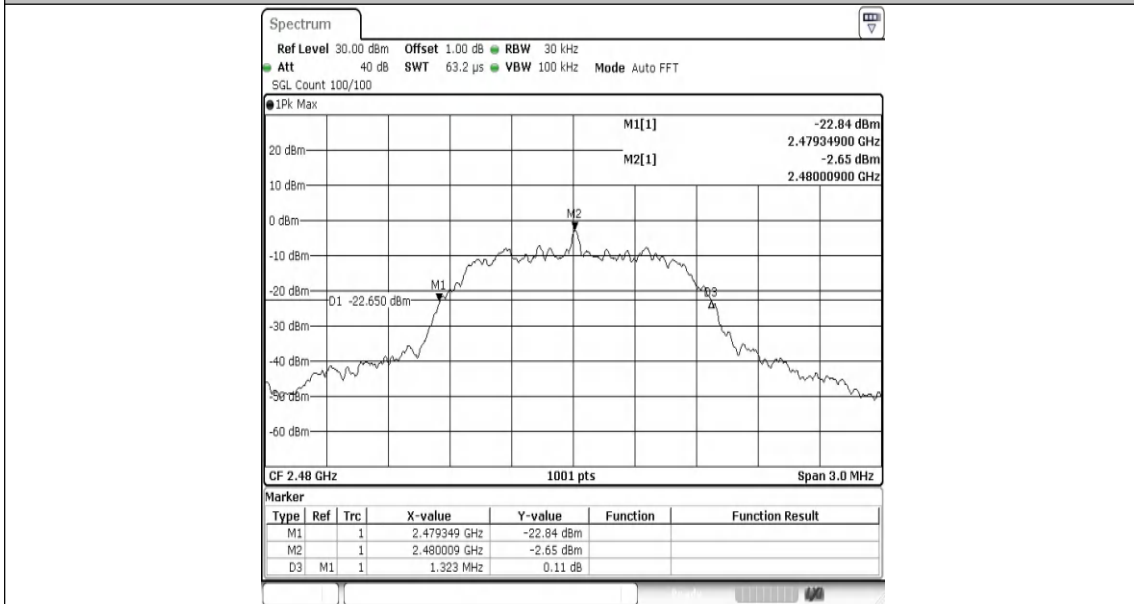
DH5-Ant1-2480



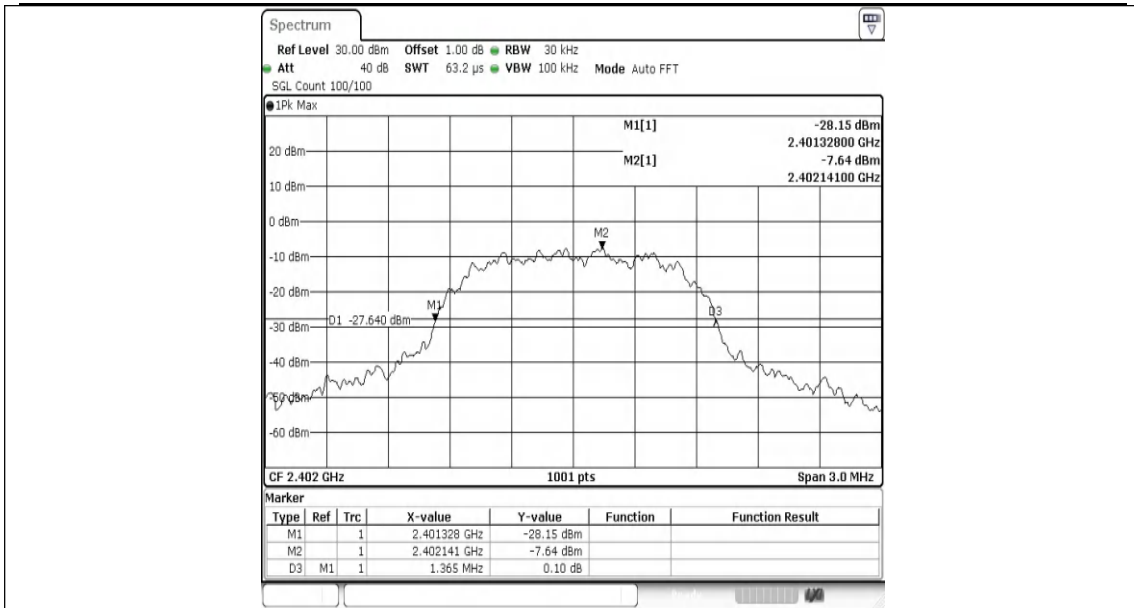
2DH5-Ant1-2402



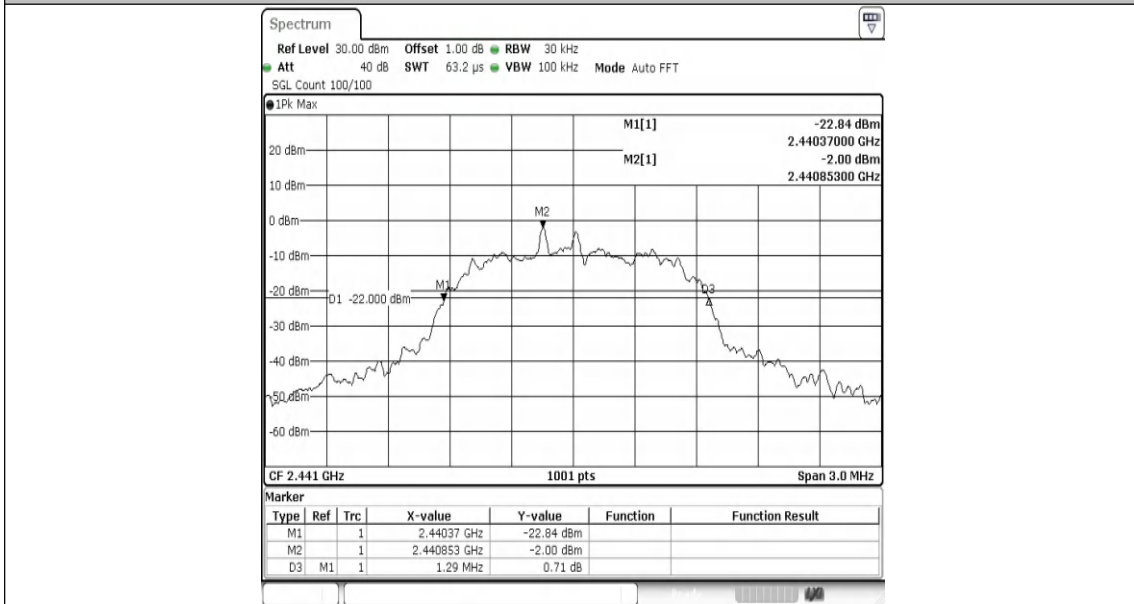
2DH5-Ant1-2441



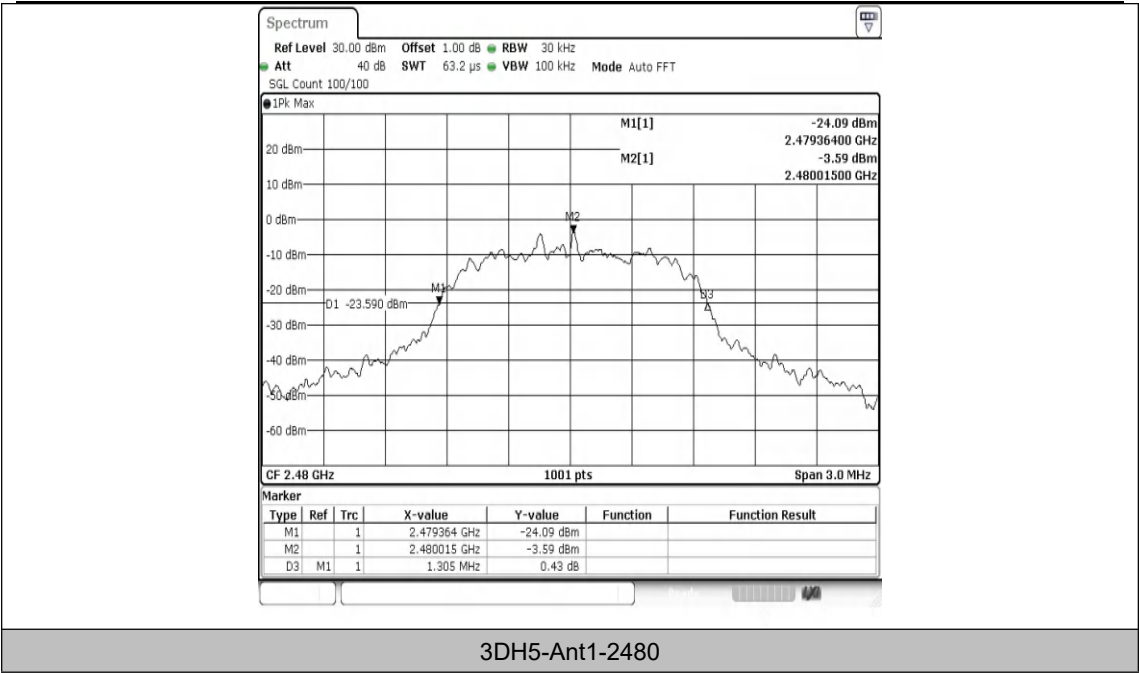
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



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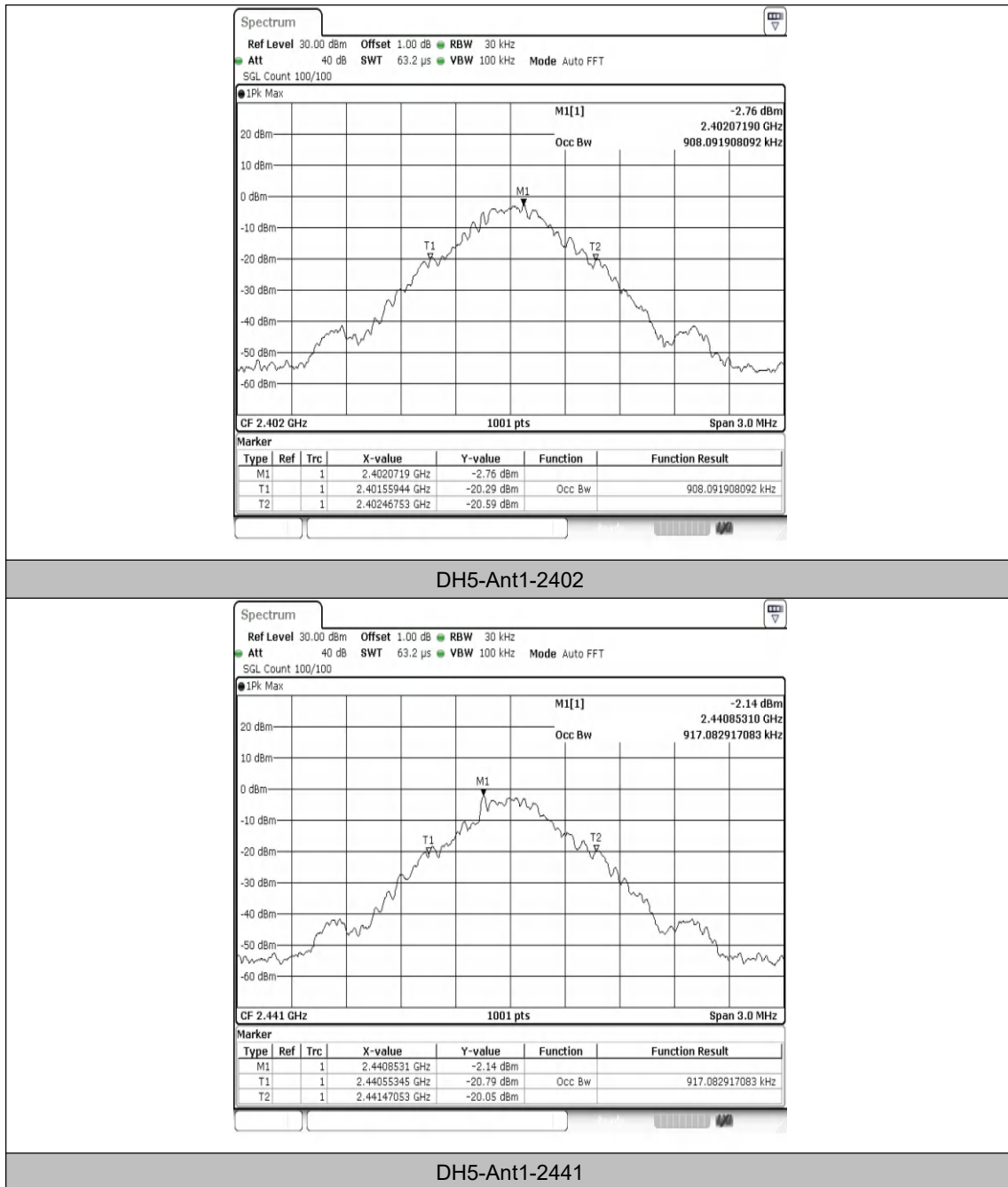
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90809	2401.5594	2402.4675	---	---
DH5	Ant1	2441	0.91708	2440.5534	2441.4705	---	---
DH5	Ant1	2480	0.93806	2479.5415	2480.4795	---	---
2DH5	Ant1	2402	1.2108	2401.4126	2402.6234	---	---
2DH5	Ant1	2441	1.2018	2440.4216	2441.6234	---	---
2DH5	Ant1	2480	1.1868	2479.4216	2480.6084	---	---
3DH5	Ant1	2402	1.2018	2401.4126	2402.6144	---	---
3DH5	Ant1	2441	1.2078	2440.4066	2441.6144	---	---
3DH5	Ant1	2480	1.2168	2479.4036	2480.6204	---	---

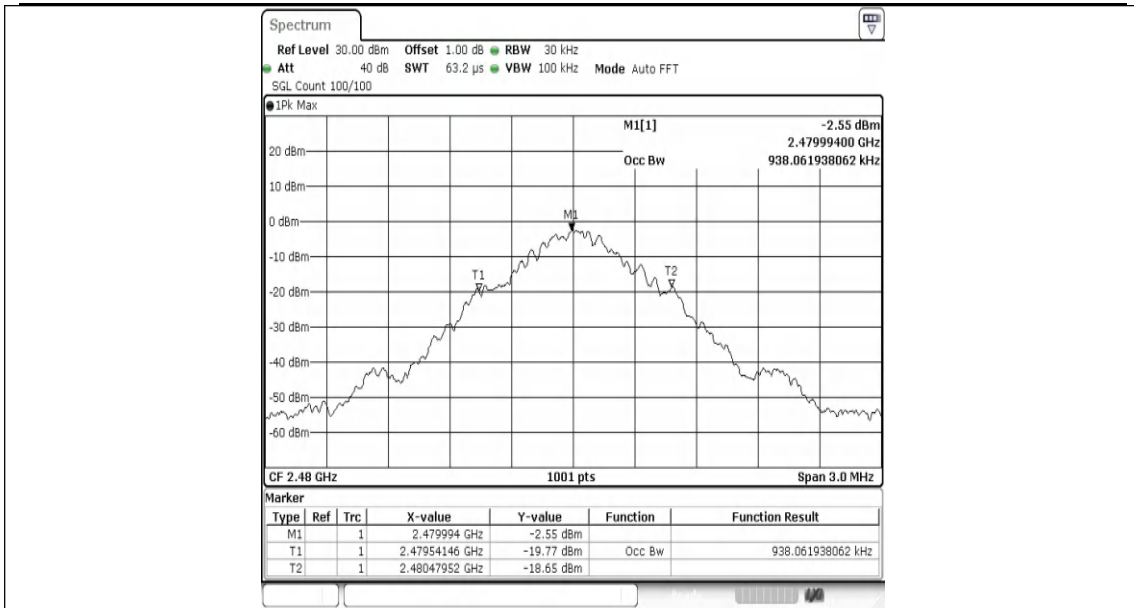
Test Graphs



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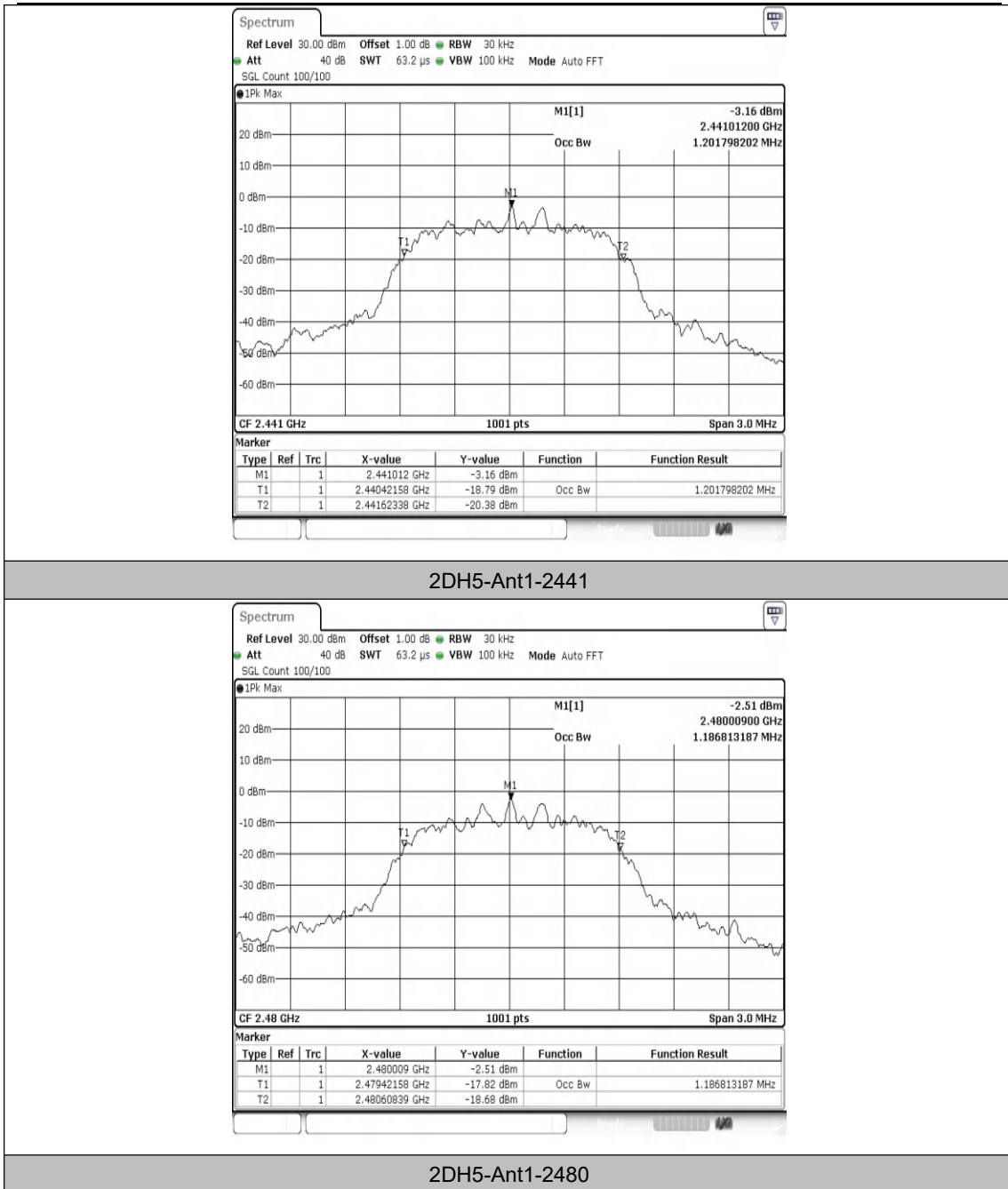
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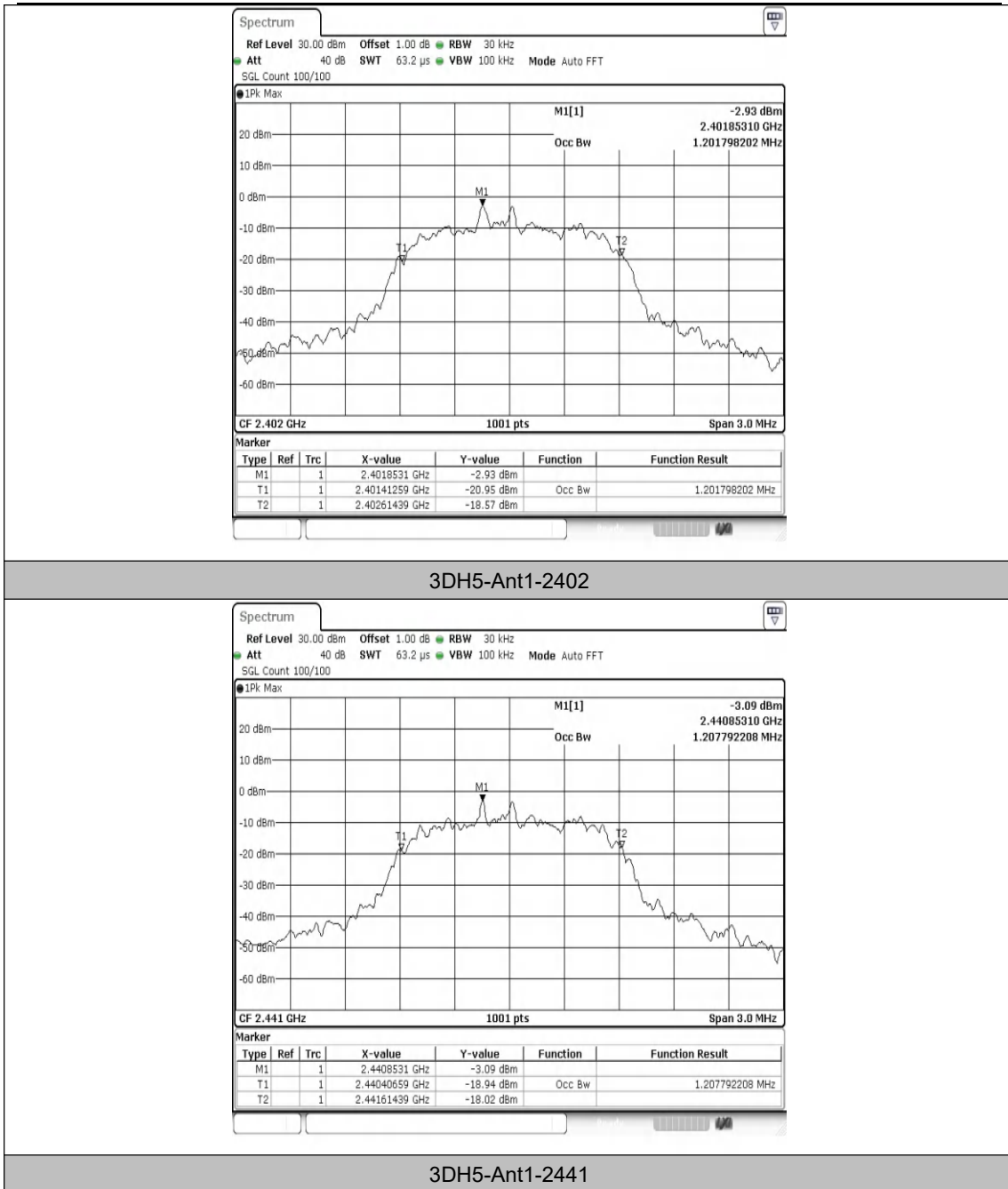


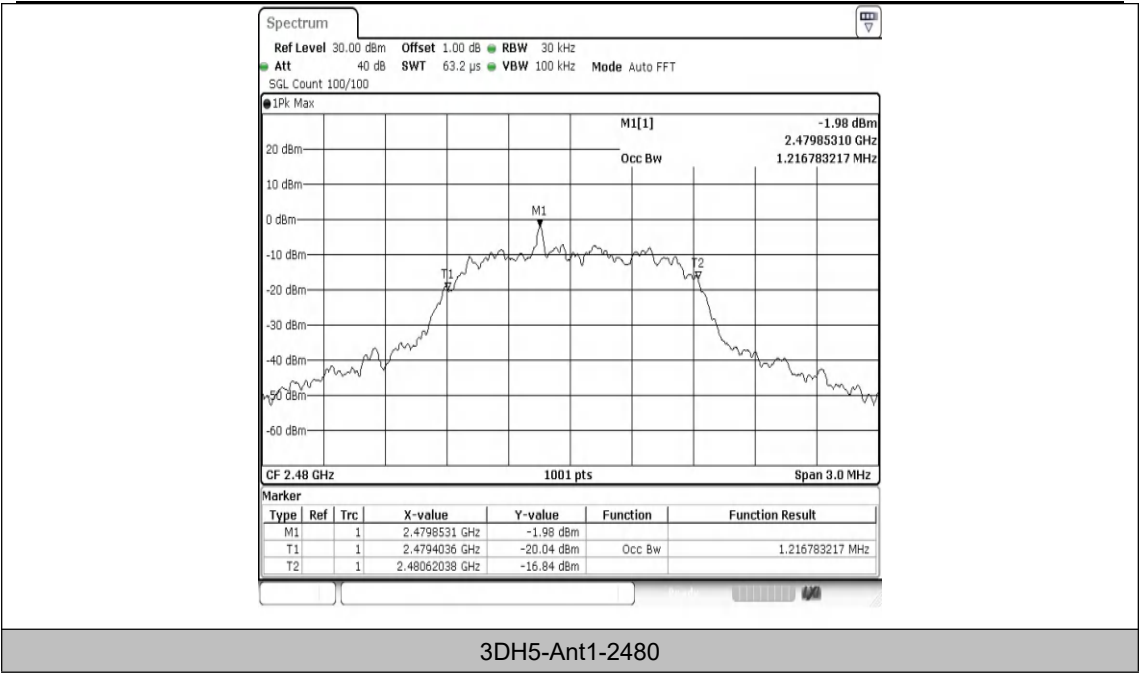
DH5-Ant1-2480



2DH5-Ant1-2402







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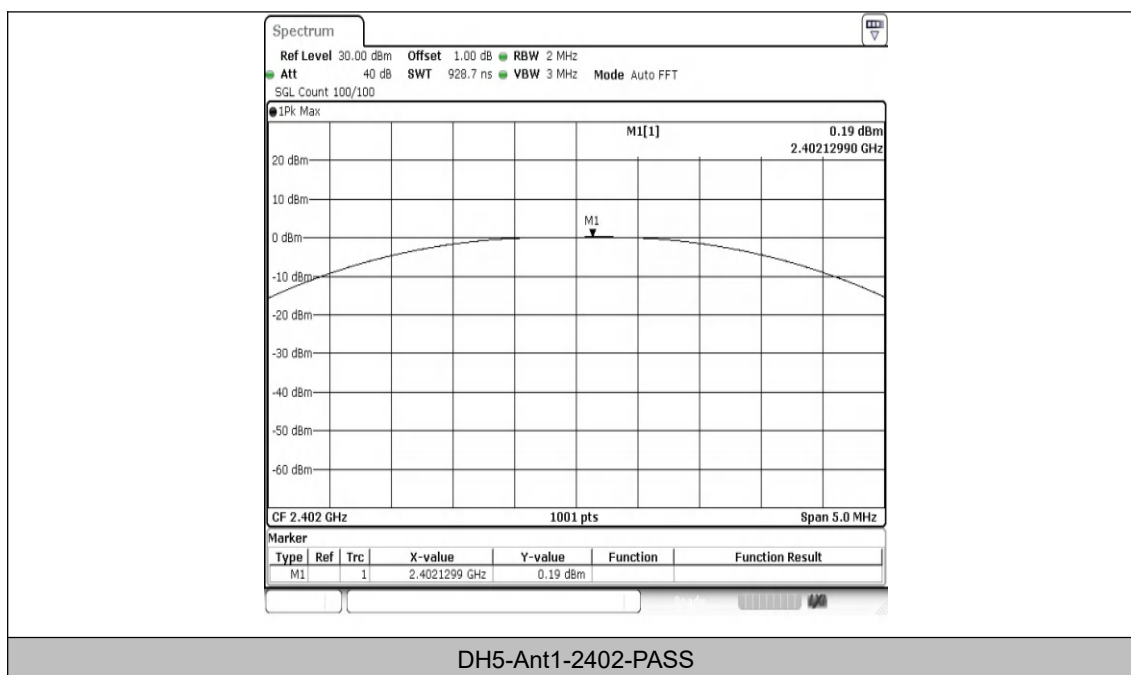
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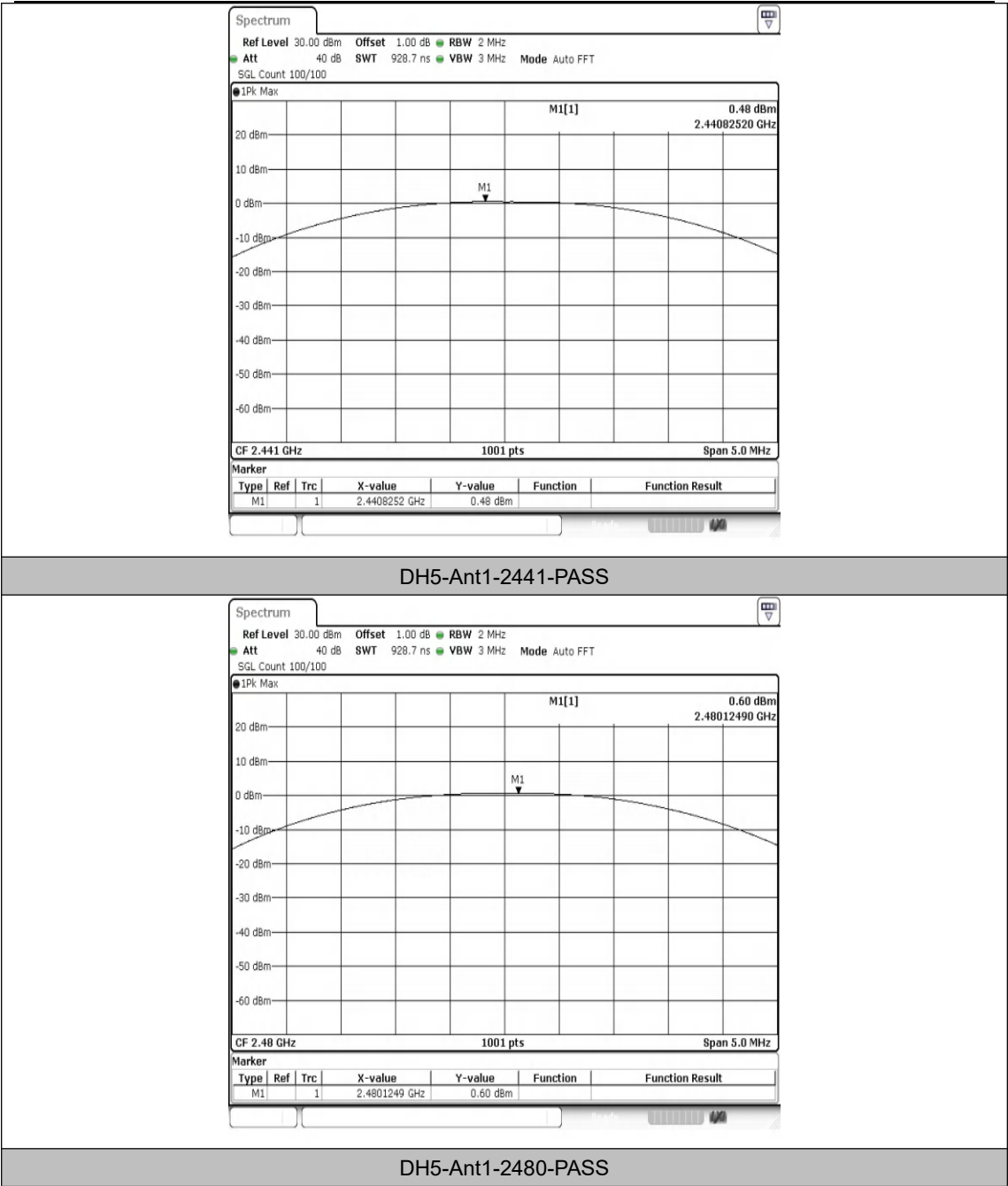
Appendix C: Maximum Conducted Output Power

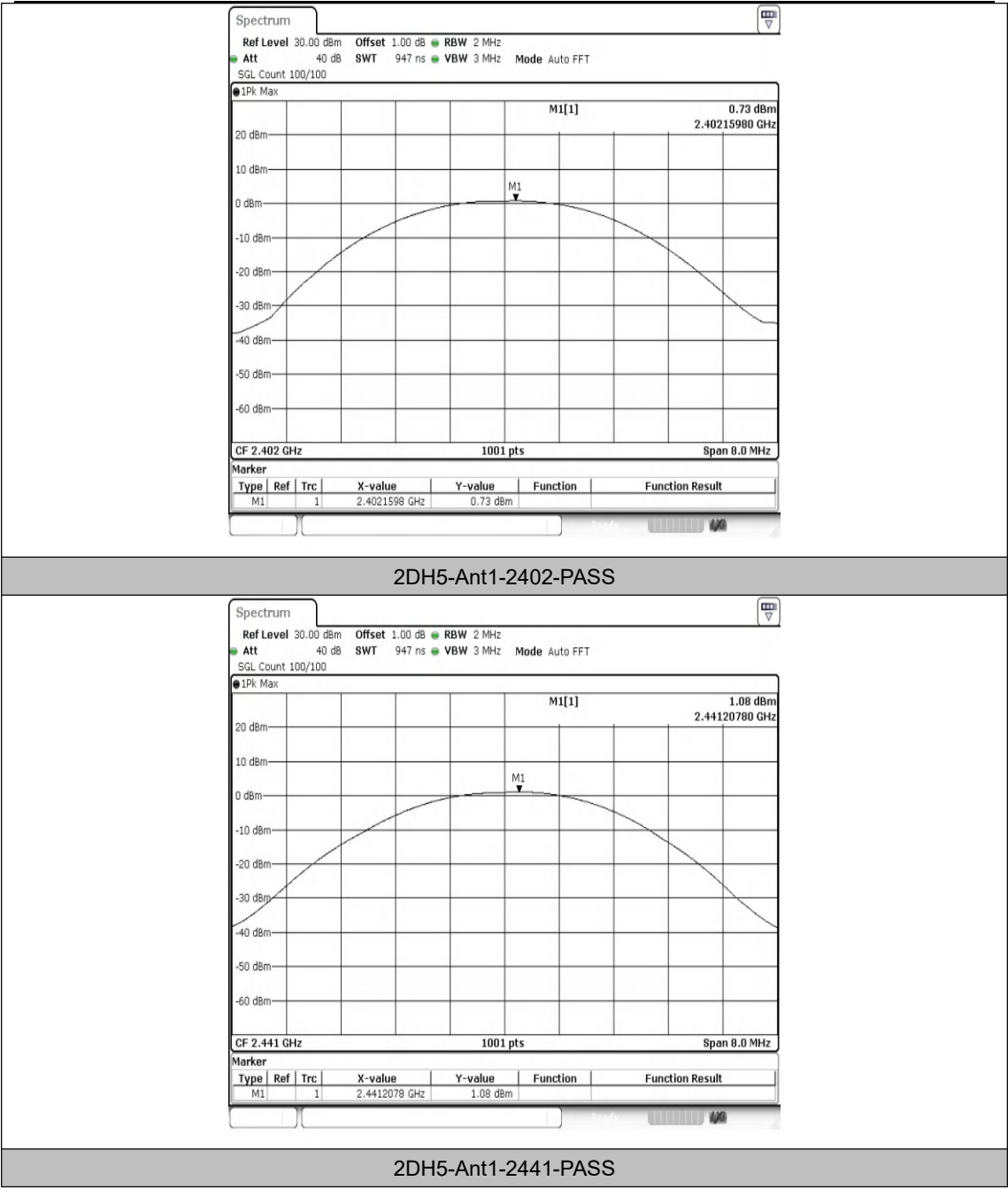
Test Result Peak

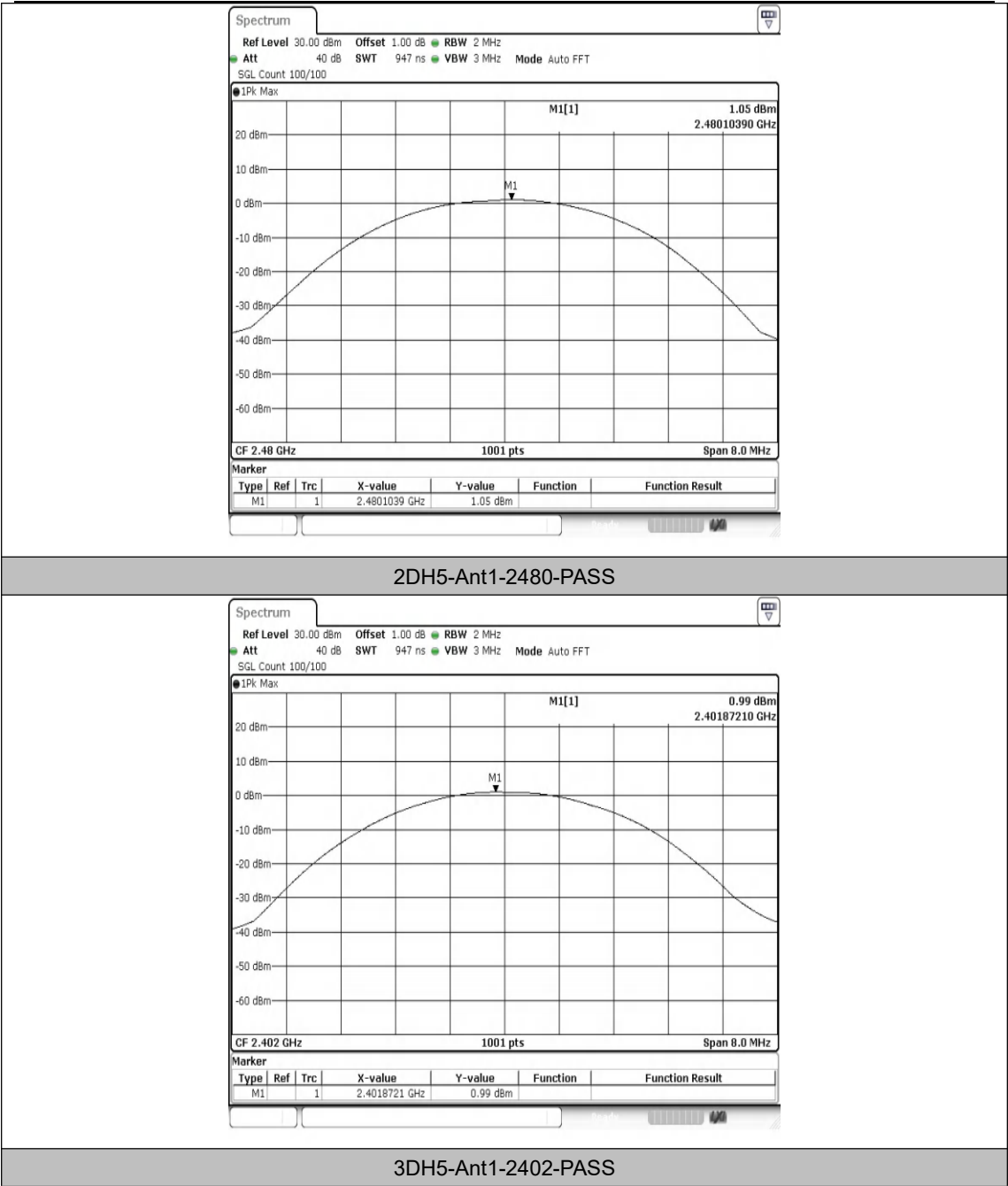
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.19	≤20.97	PASS
DH5	Ant1	2441	0.48	≤20.97	PASS
DH5	Ant1	2480	0.60	≤20.97	PASS
2DH5	Ant1	2402	0.73	≤20.97	PASS
2DH5	Ant1	2441	1.08	≤20.97	PASS
2DH5	Ant1	2480	1.05	≤20.97	PASS
3DH5	Ant1	2402	0.99	≤20.97	PASS
3DH5	Ant1	2441	1.56	≤20.97	PASS
3DH5	Ant1	2480	1.41	≤20.97	PASS

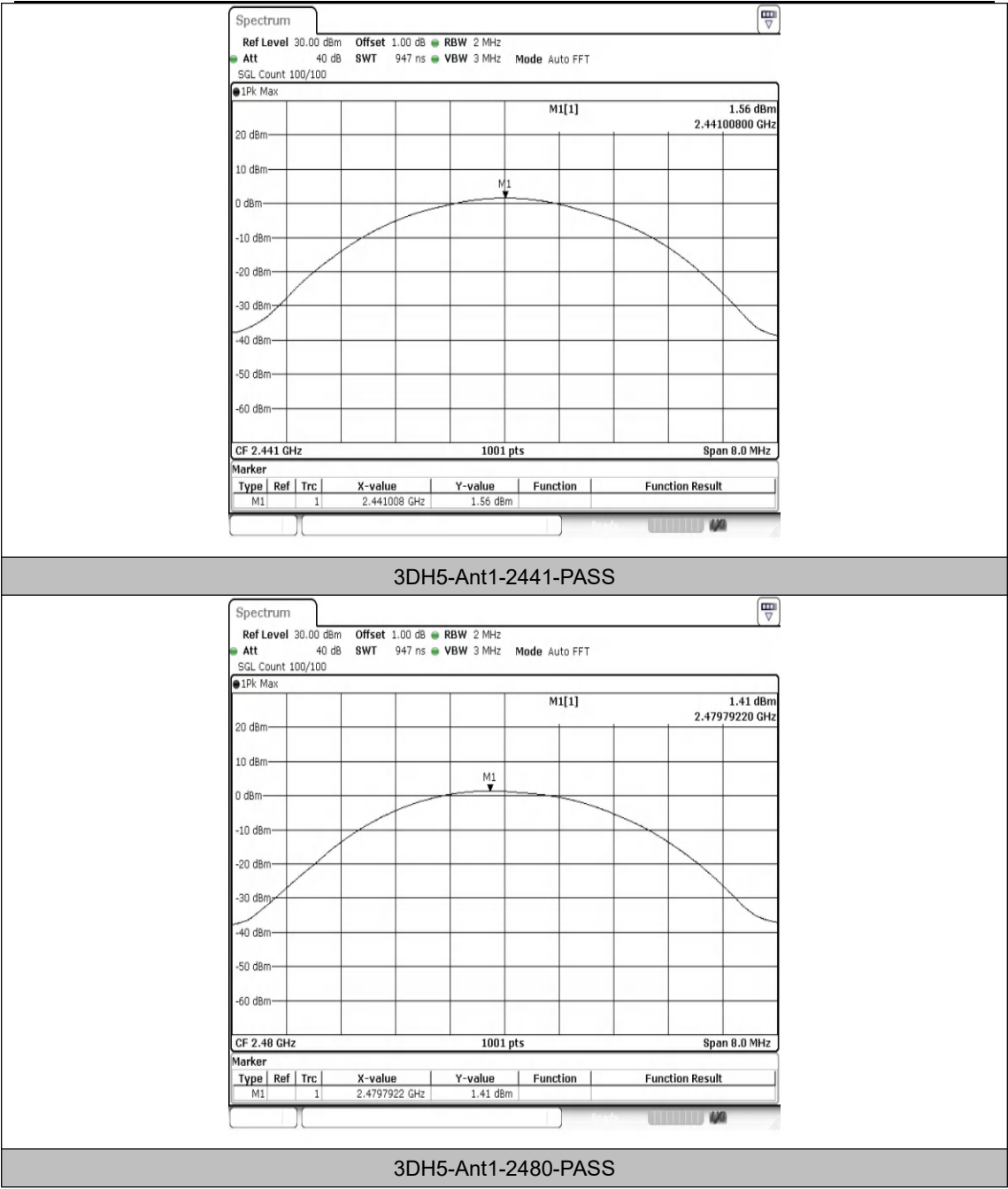
Test Graphs









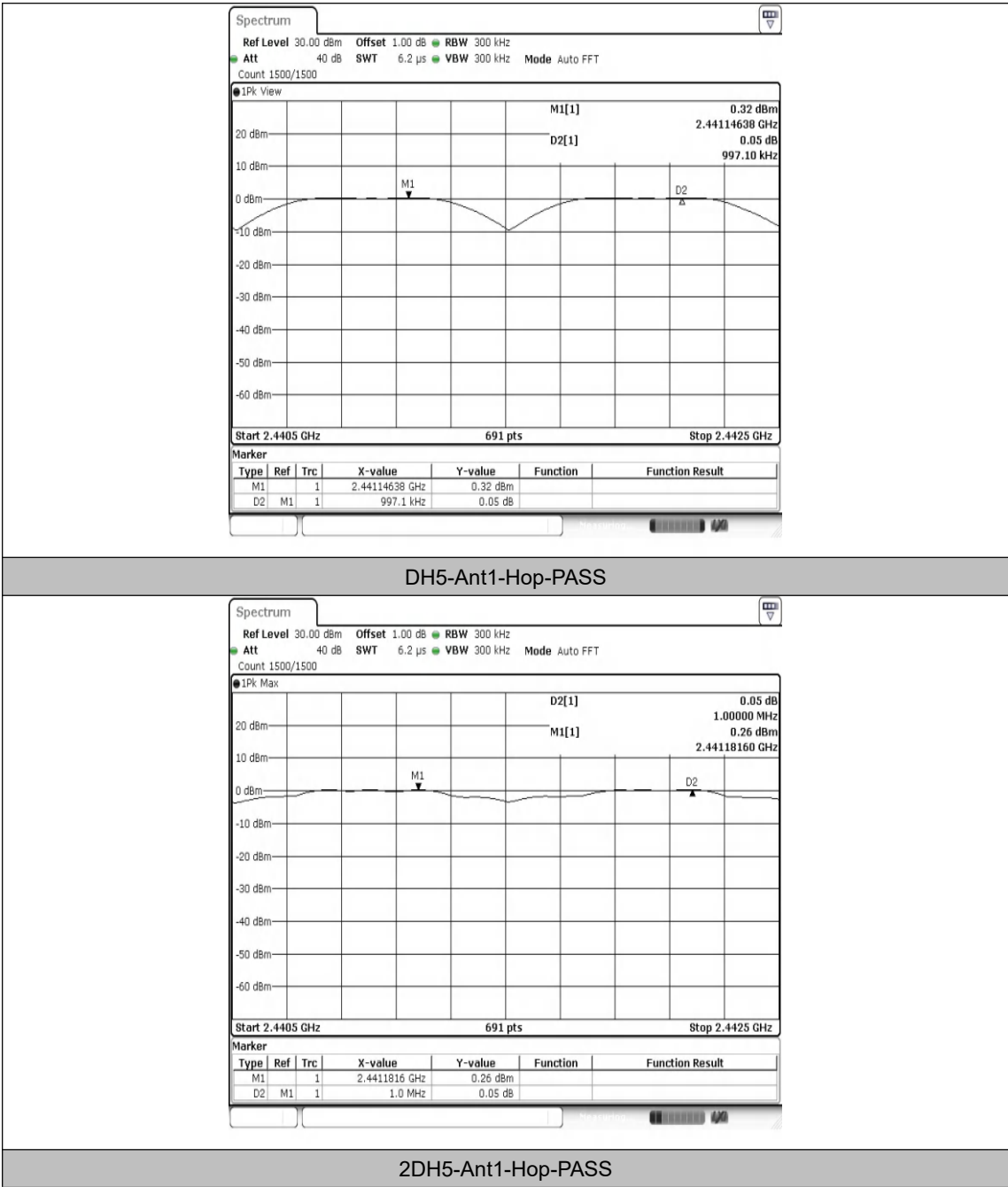


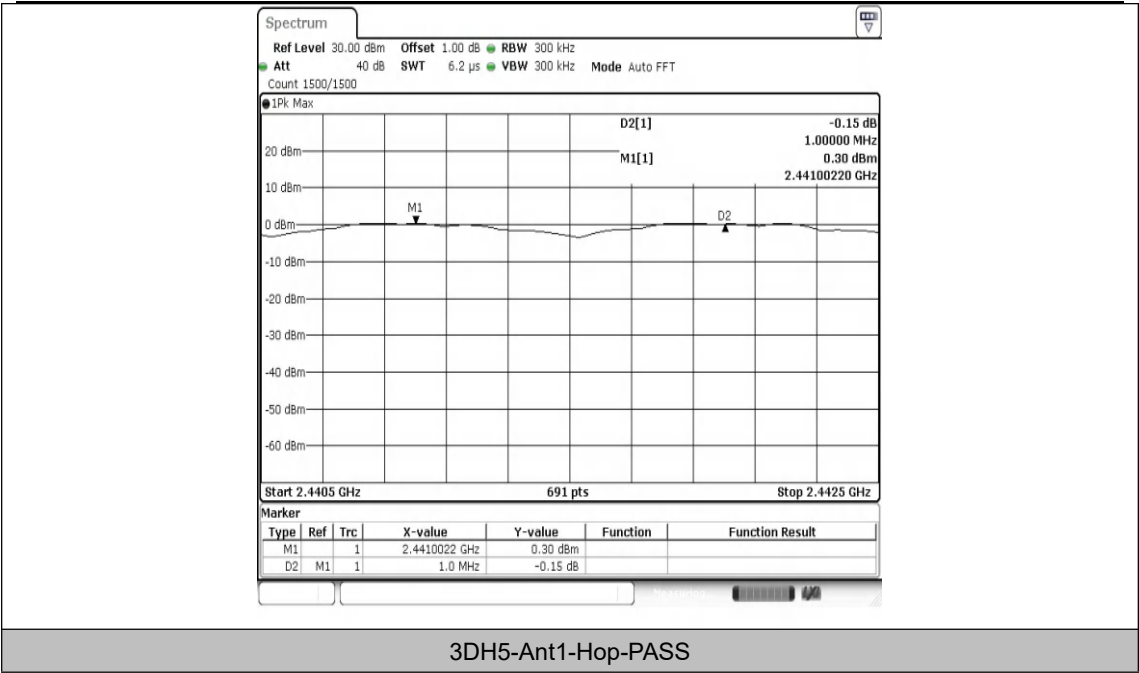
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥0.700	PASS
2DH5	Ant1	Hop	1.000	≥0.900	PASS
3DH5	Ant1	Hop	1.000	≥0.913	PASS

Test Graphs





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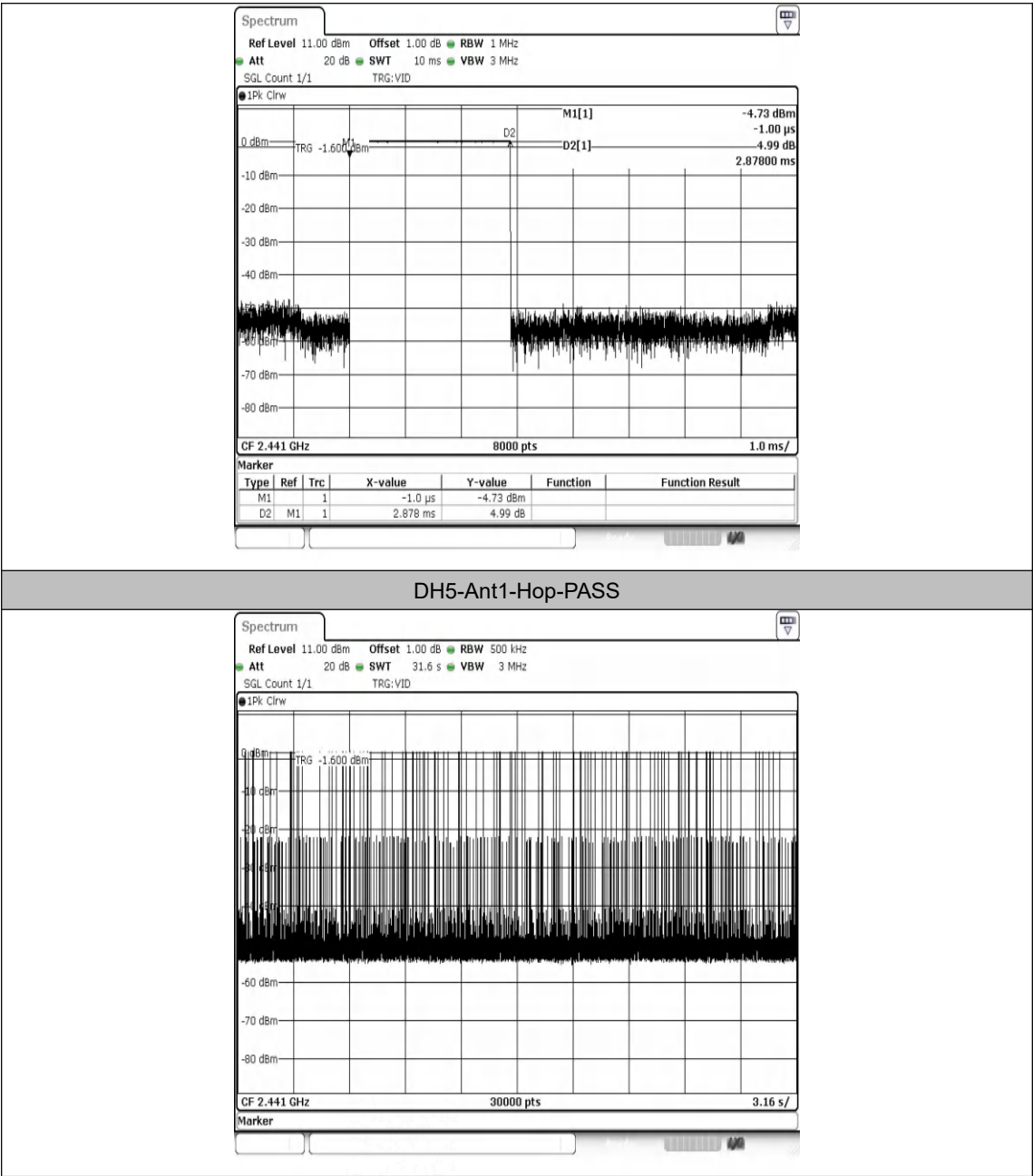
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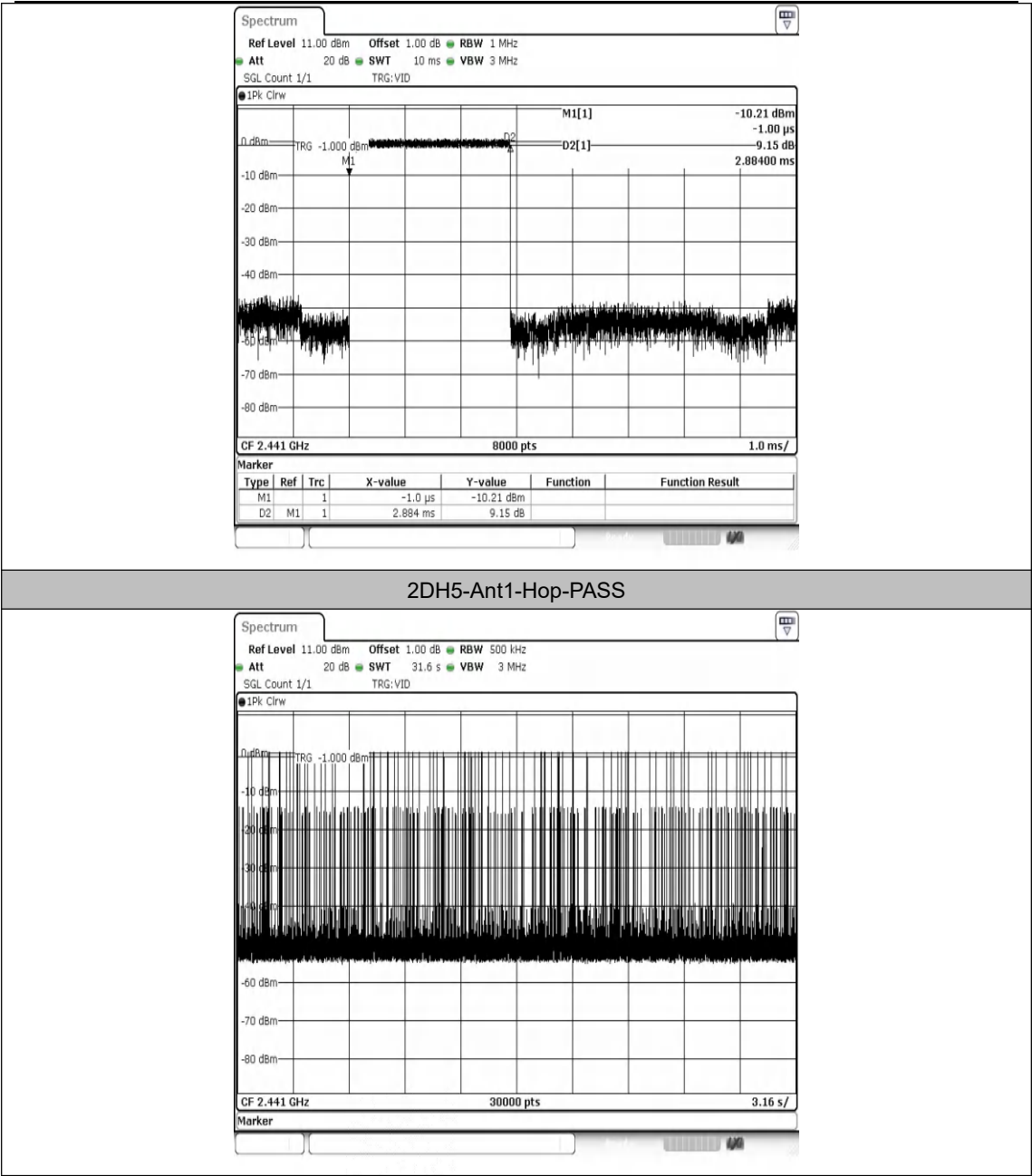
Appendix E: Dwell Time

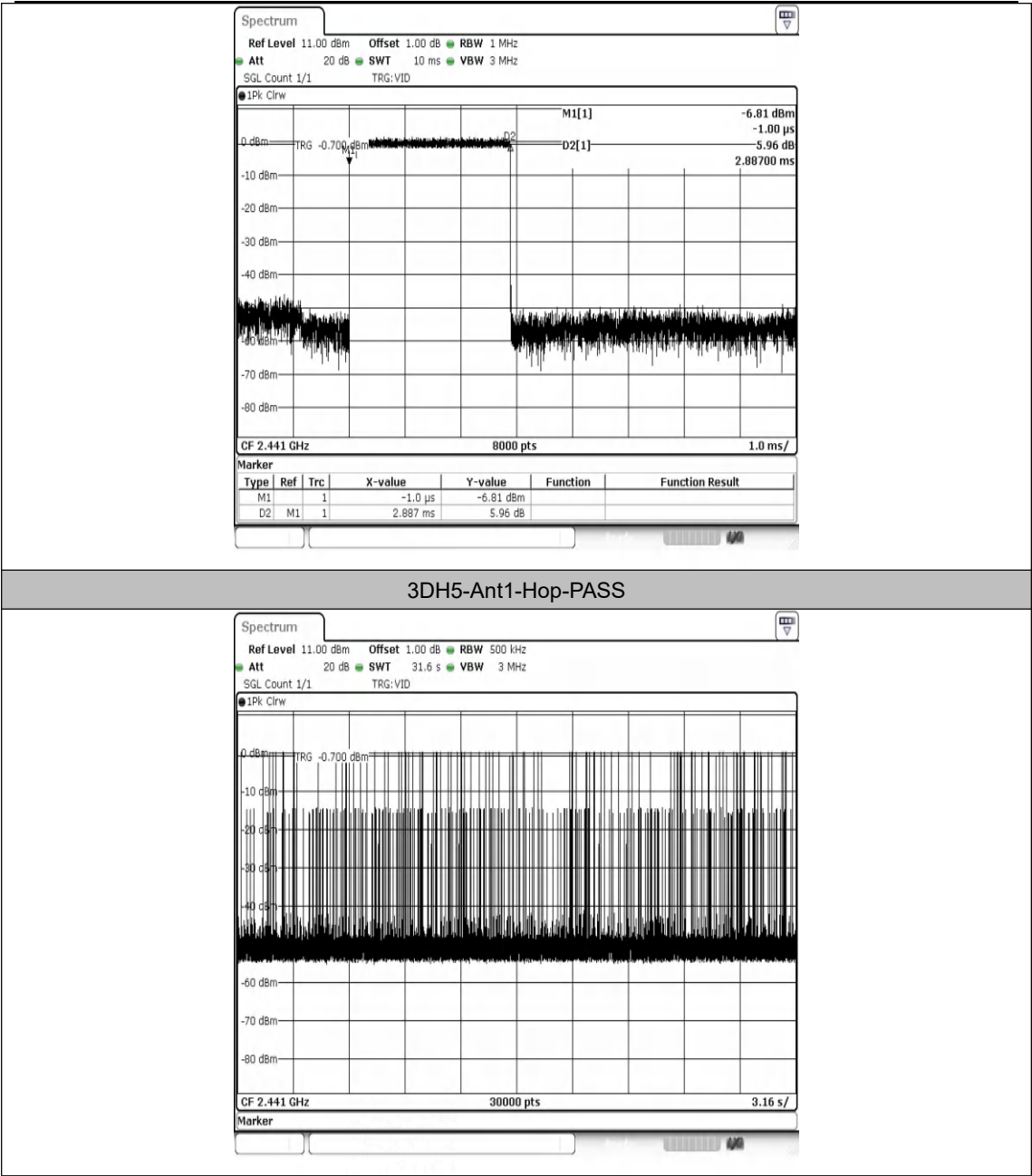
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	112	0.322	≤0.4	PASS
2DH5	Ant1	Hop	2.884	96	0.277	≤0.4	PASS
3DH5	Ant1	Hop	2.887	100	0.289	≤0.4	PASS

Test Graphs





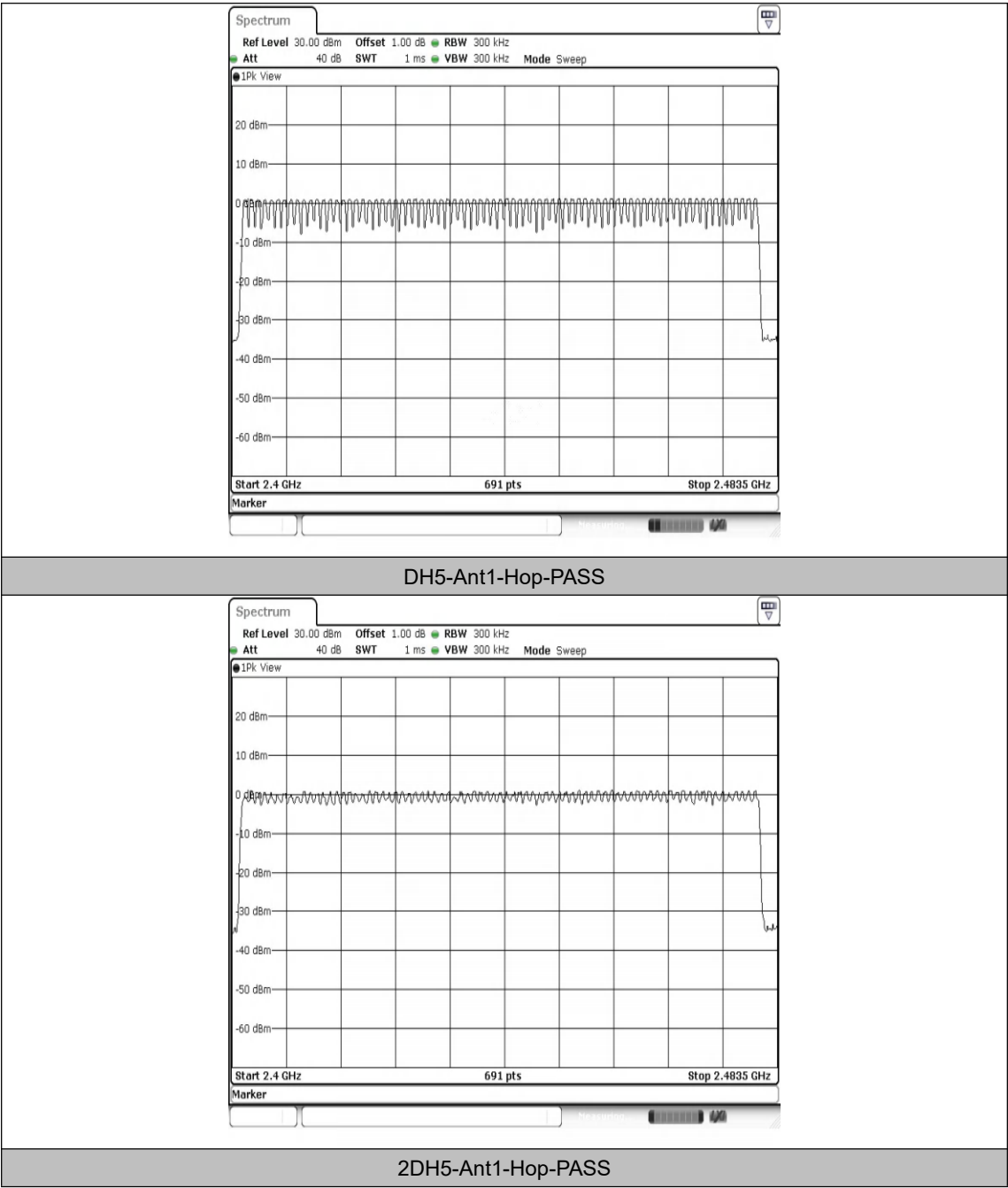


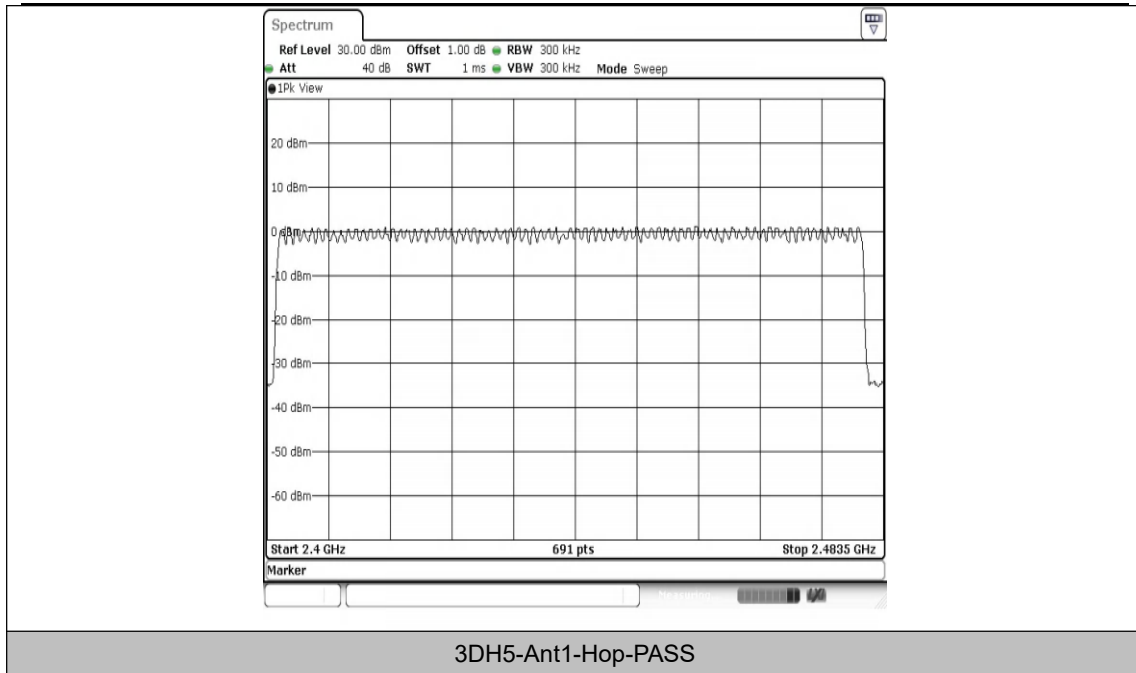
Appendix F: Number of Hopping Channel

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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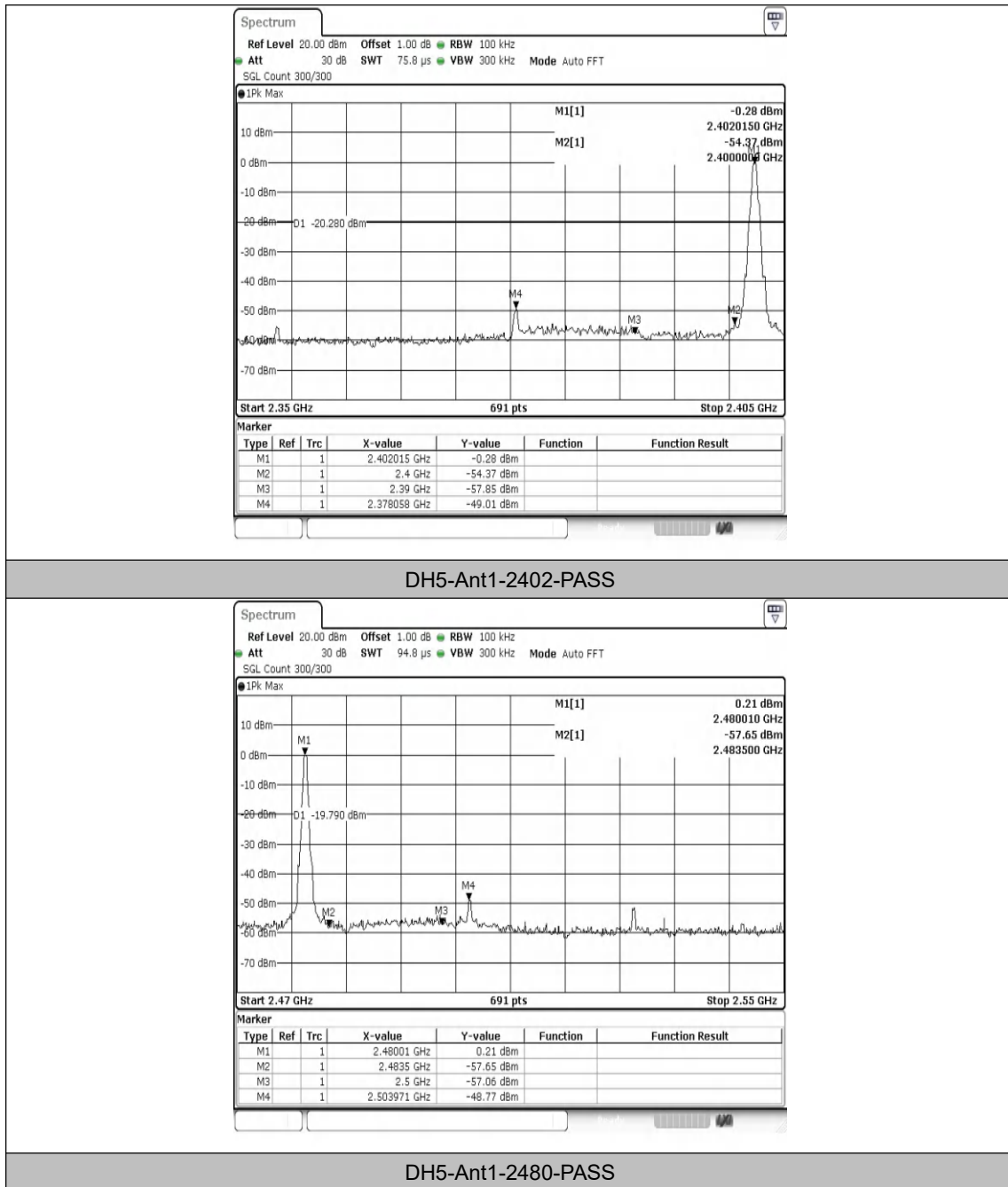
Appendix G: Conducted Band edge

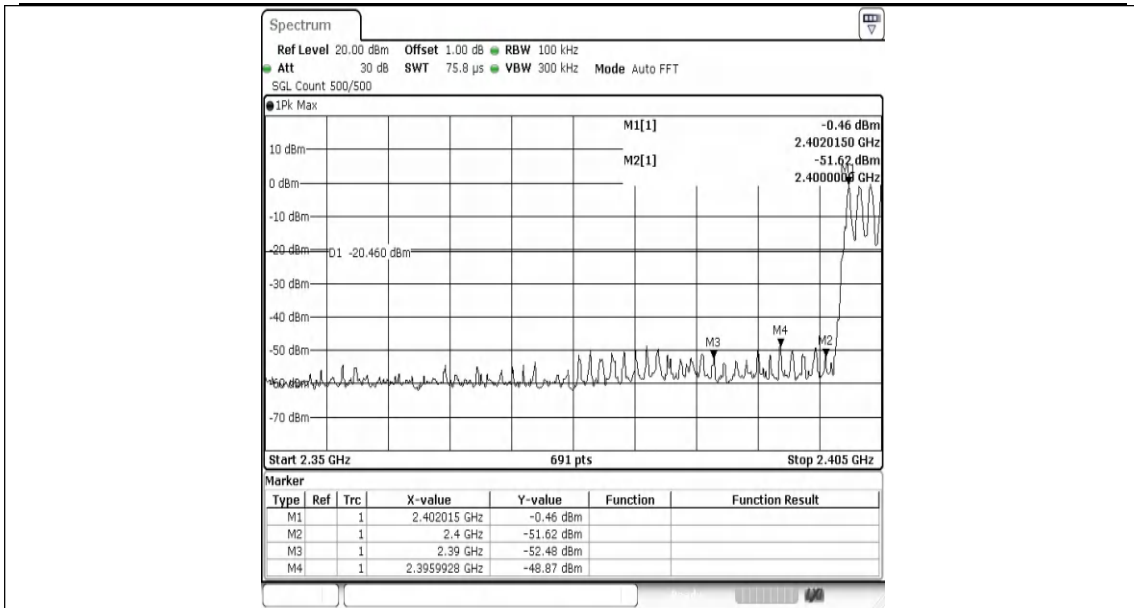
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.28	-49.01	≤-20.28	PASS
DH5	Ant1	High	2480	0.21	-48.77	≤-19.79	PASS
DH5	Ant1	Low	Hop_2402	-0.46	-48.87	≤-20.46	PASS
DH5	Ant1	High	Hop_2480	0.07	-49.67	≤-19.93	PASS
2DH5	Ant1	Low	2402	0.16	-49.84	≤-19.84	PASS
2DH5	Ant1	High	2480	0.46	-51.49	≤-19.54	PASS
2DH5	Ant1	Low	Hop_2402	-2.40	-51.11	≤-22.4	PASS
2DH5	Ant1	High	Hop_2480	0.38	-51.01	≤-19.62	PASS
3DH5	Ant1	Low	2402	0.19	-50.4	≤-19.81	PASS
3DH5	Ant1	High	2480	0.05	-50.1	≤-19.95	PASS
3DH5	Ant1	Low	Hop_2402	-1.74	-51.4	≤-21.74	PASS
3DH5	Ant1	High	Hop_2480	-2.44	-51.11	≤-22.44	PASS

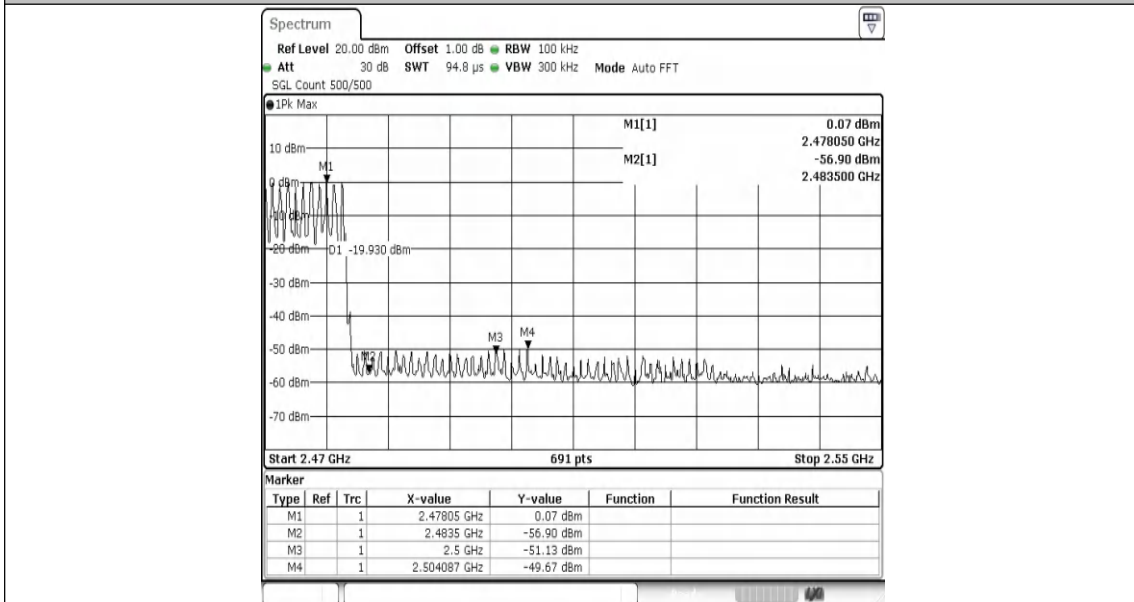
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

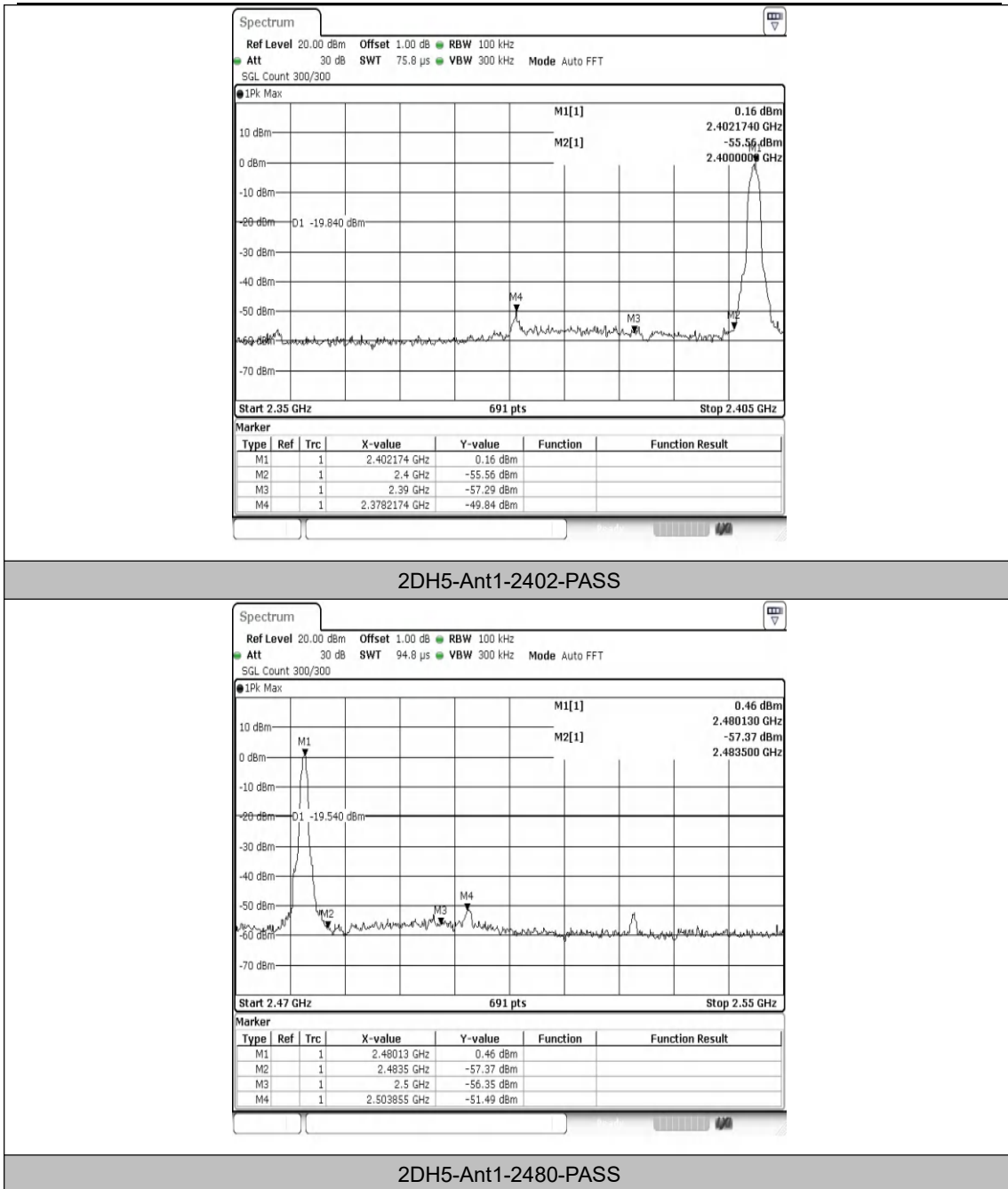




DH5-Ant1-Hop_2402-PASS



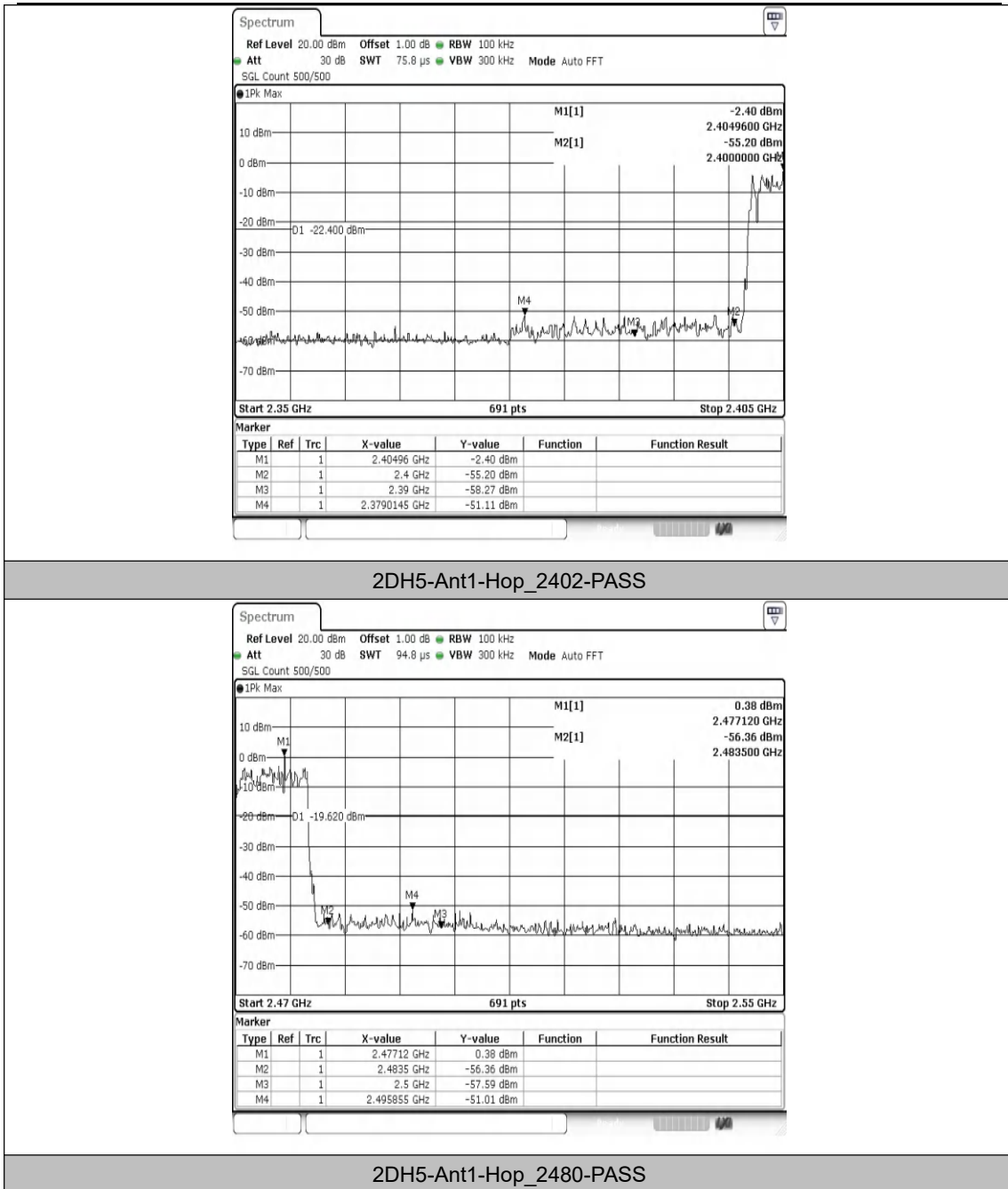
DH5-Ant1-Hop_2480-PASS



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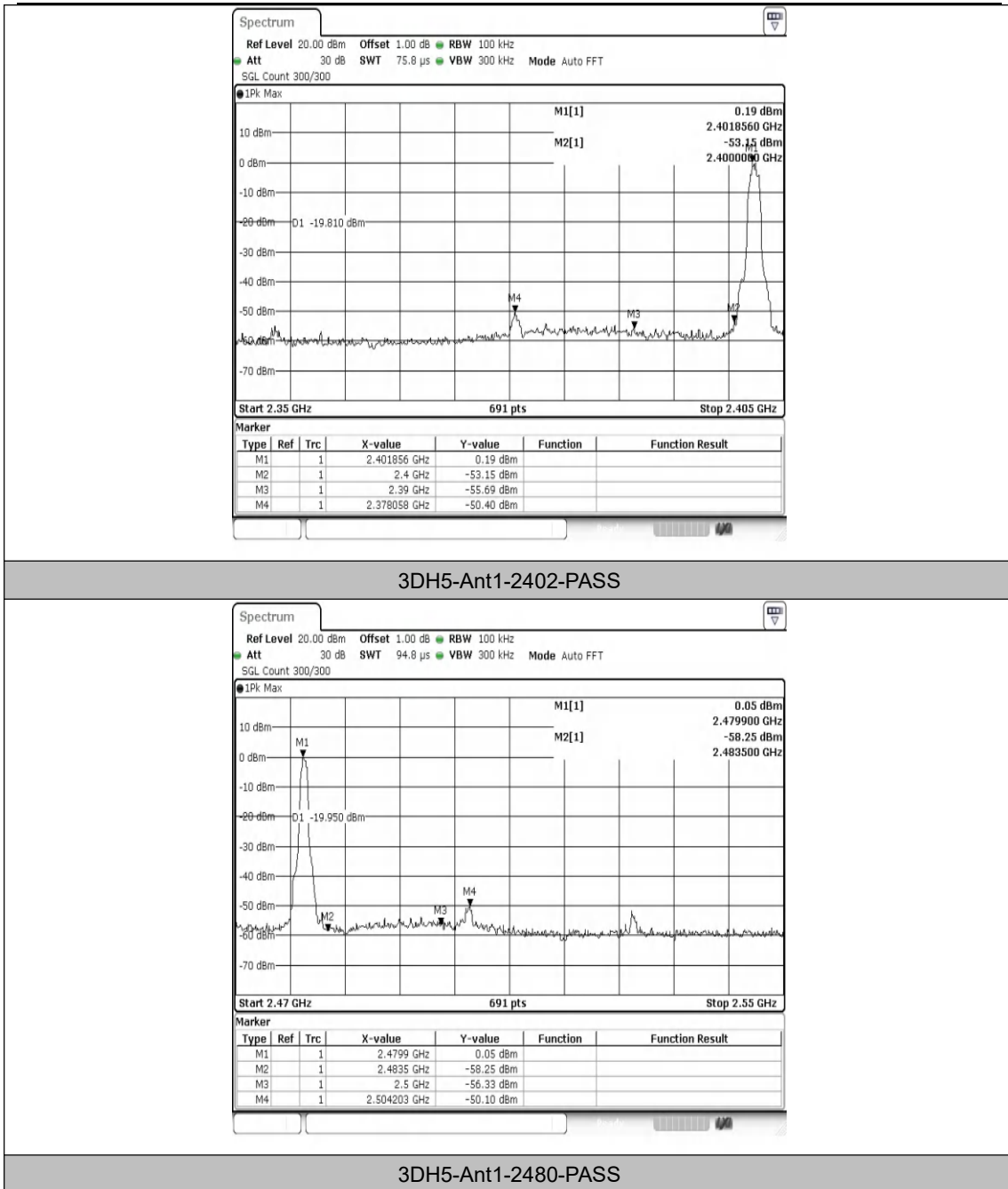
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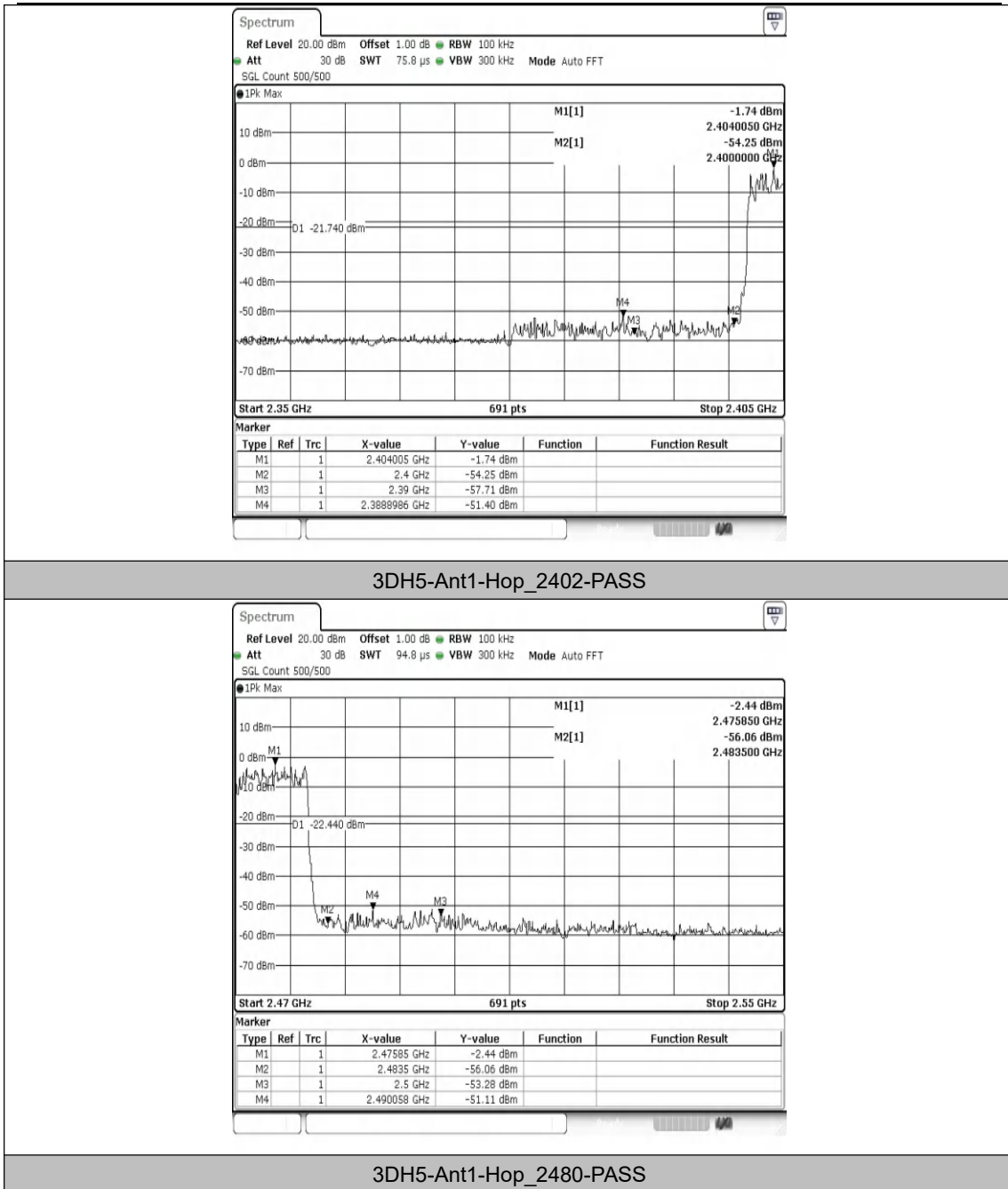
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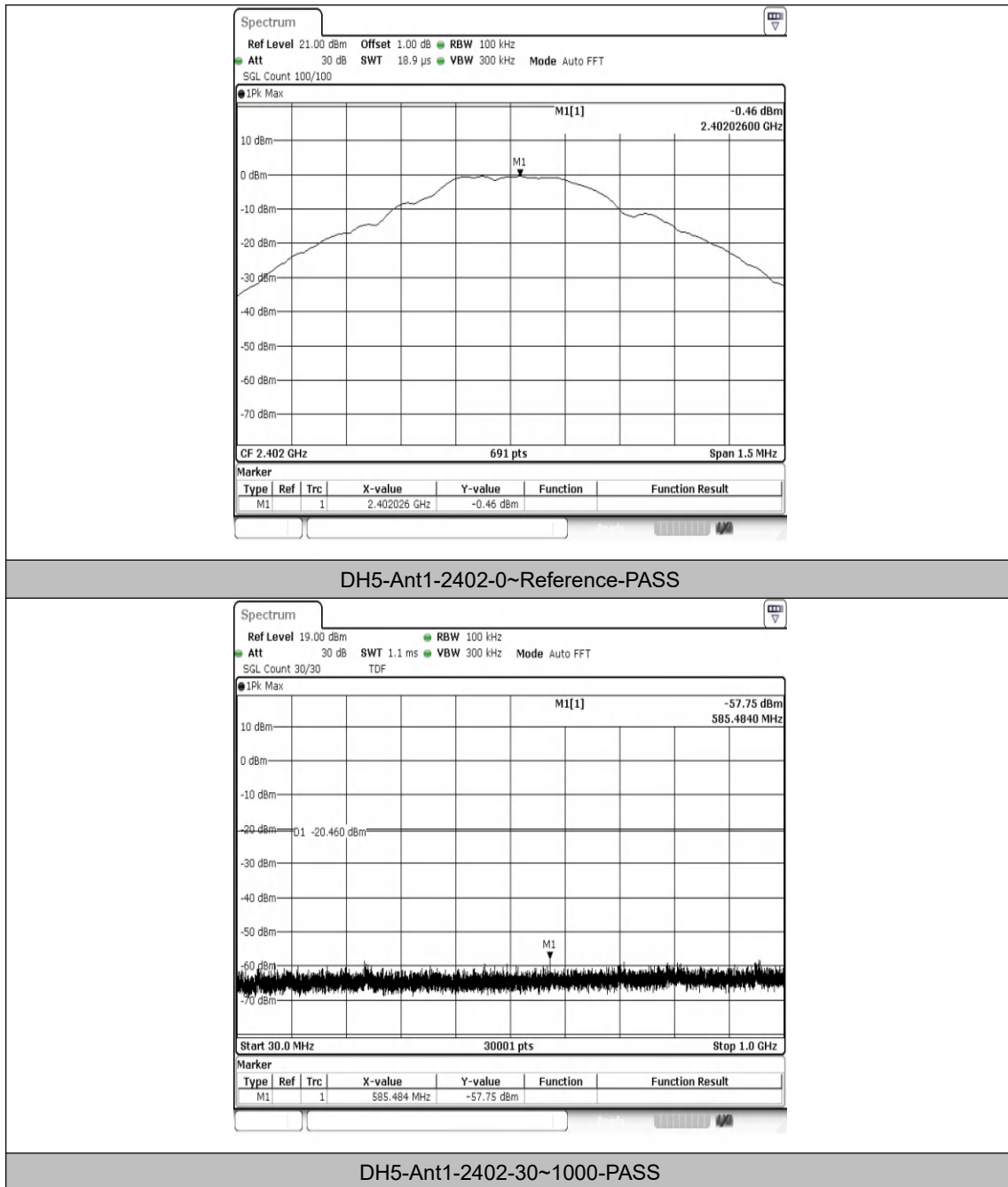
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.46	-0.46	---	PASS
DH5	Ant1	2402	30~1000	-0.46	-57.75	≤-20.46	PASS
DH5	Ant1	2402	1000~26500	-0.46	-43.55	≤-20.46	PASS
DH5	Ant1	2441	0~Reference	-0.33	-0.33	---	PASS
DH5	Ant1	2441	30~1000	-0.33	-58.03	≤-20.33	PASS
DH5	Ant1	2441	1000~26500	-0.33	-43.42	≤-20.33	PASS
DH5	Ant1	2480	0~Reference	-0.01	-0.01	---	PASS
DH5	Ant1	2480	30~1000	-0.01	-57.02	≤-20.01	PASS
DH5	Ant1	2480	1000~26500	-0.01	-43	≤-20.01	PASS
2DH5	Ant1	2402	0~Reference	-0.15	-0.15	---	PASS
2DH5	Ant1	2402	30~1000	-0.15	-57.9	≤-20.15	PASS
2DH5	Ant1	2402	1000~26500	-0.15	-43.37	≤-20.15	PASS
2DH5	Ant1	2441	0~Reference	-0.50	-0.50	---	PASS
2DH5	Ant1	2441	30~1000	-0.50	-57.79	≤-20.5	PASS
2DH5	Ant1	2441	1000~26500	-0.50	-44.58	≤-20.5	PASS
2DH5	Ant1	2480	0~Reference	0.42	0.42	---	PASS
2DH5	Ant1	2480	30~1000	0.42	-58.28	≤-19.58	PASS
2DH5	Ant1	2480	1000~26500	0.42	-43.11	≤-19.58	PASS
3DH5	Ant1	2402	0~Reference	-1.88	-1.88	---	PASS
3DH5	Ant1	2402	30~1000	-1.88	-58.25	≤-21.88	PASS
3DH5	Ant1	2402	1000~26500	-1.88	-43.24	≤-21.88	PASS
3DH5	Ant1	2441	0~Reference	-1.03	-1.03	---	PASS
3DH5	Ant1	2441	30~1000	-1.03	-58.11	≤-21.03	PASS
3DH5	Ant1	2441	1000~26500	-1.03	-44.22	≤-21.03	PASS
3DH5	Ant1	2480	0~Reference	0.11	0.11	---	PASS
3DH5	Ant1	2480	30~1000	0.11	-58.33	≤-19.89	PASS
3DH5	Ant1	2480	1000~26500	0.11	-41.92	≤-19.89	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.

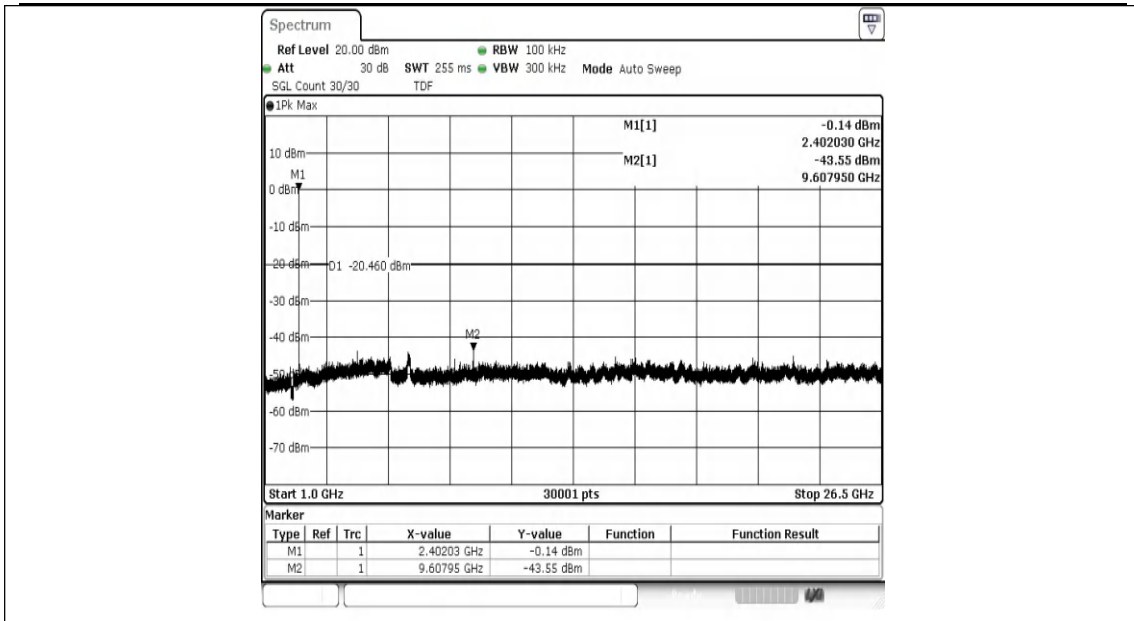
Test Graphs



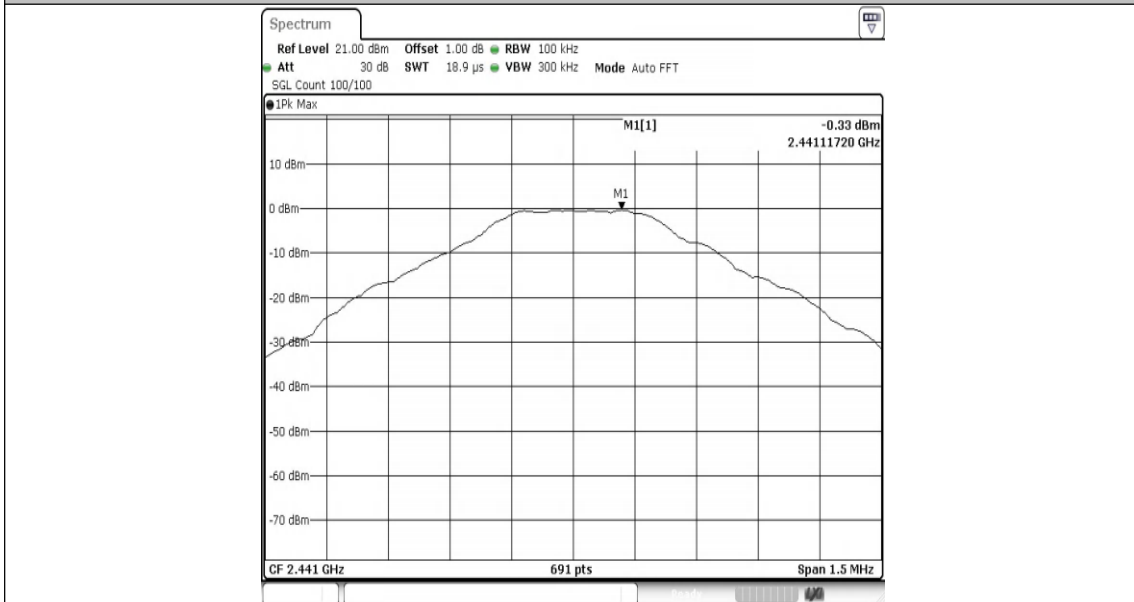
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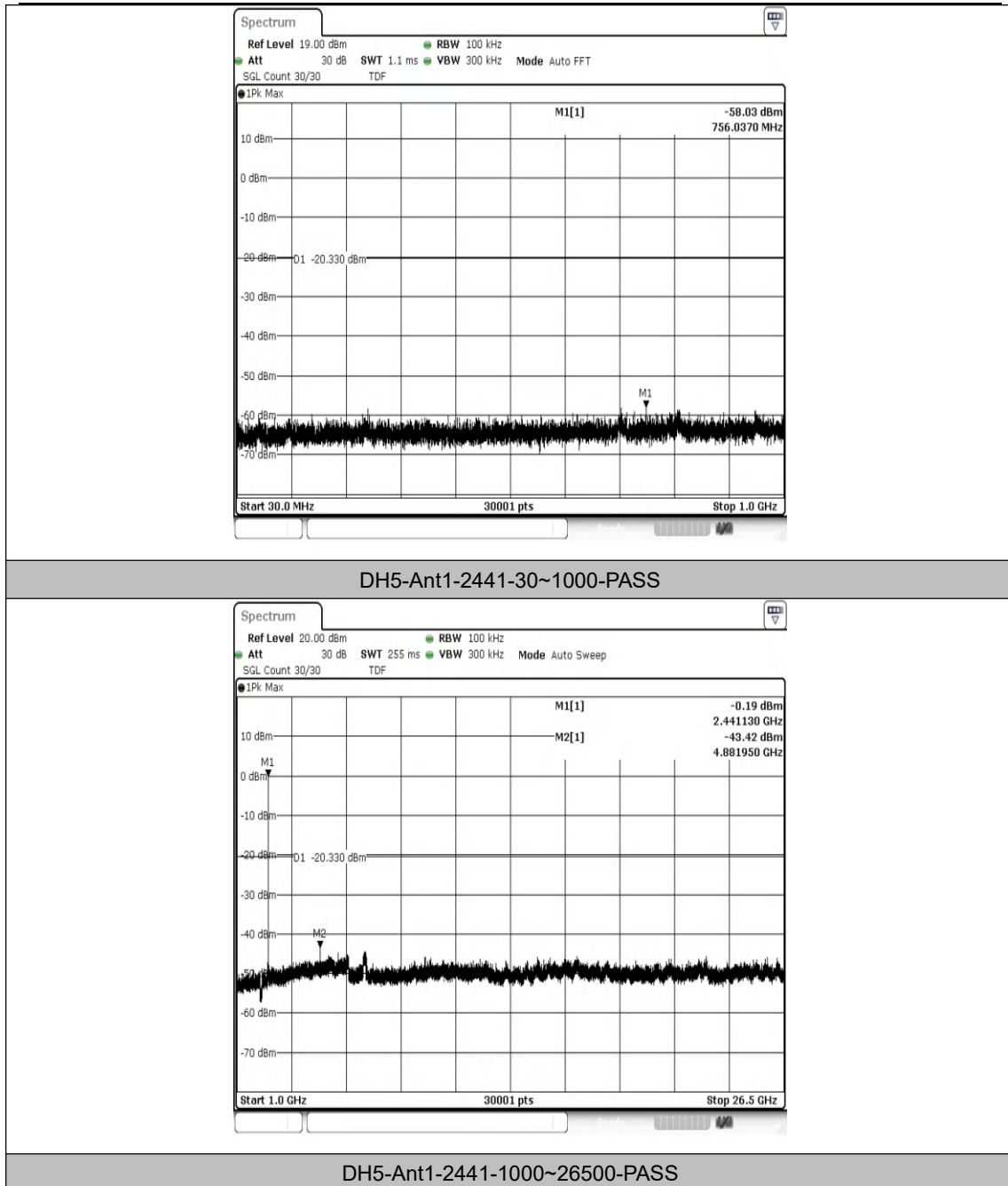
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DH5-Ant1-2402-1000~26500-PASS



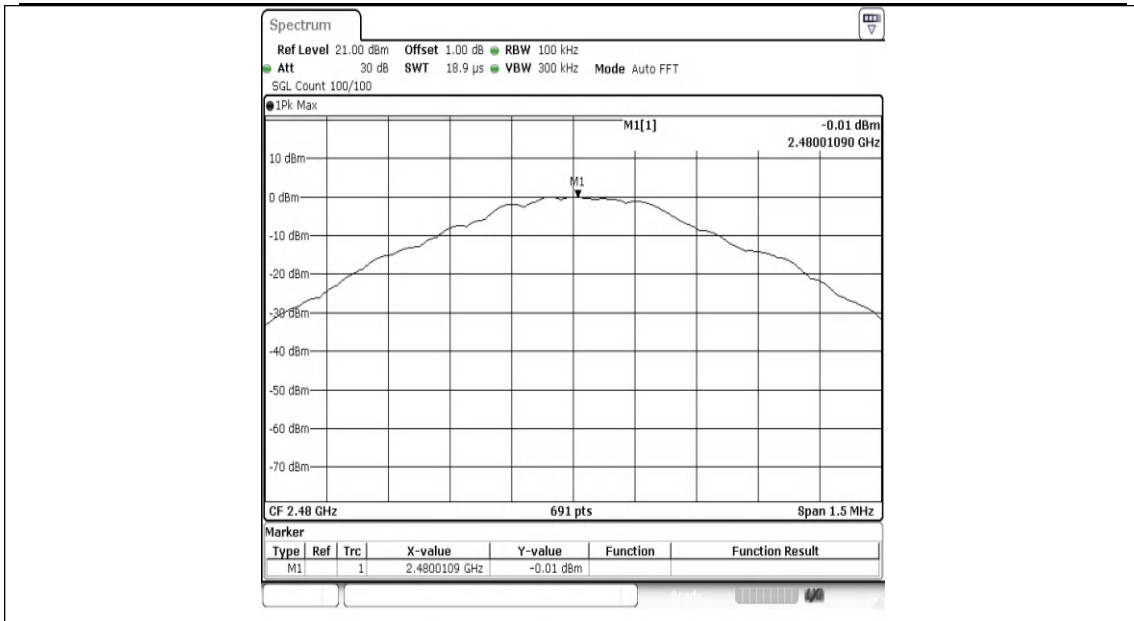
DH5-Ant1-2441-0~Reference-PASS



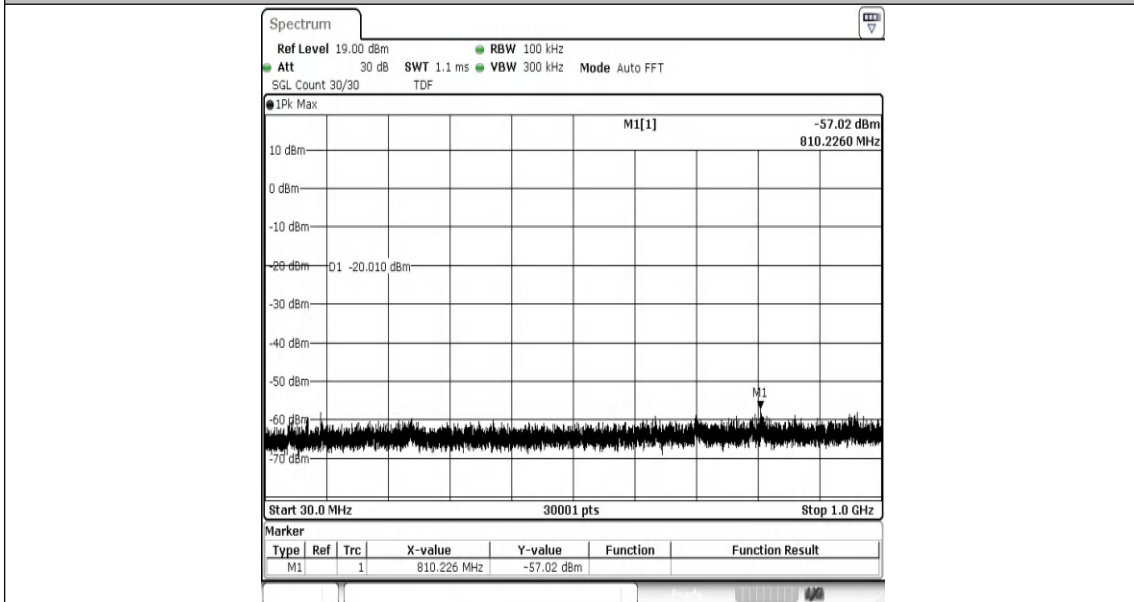
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DH5-Ant1-2480-0~Reference-PASS

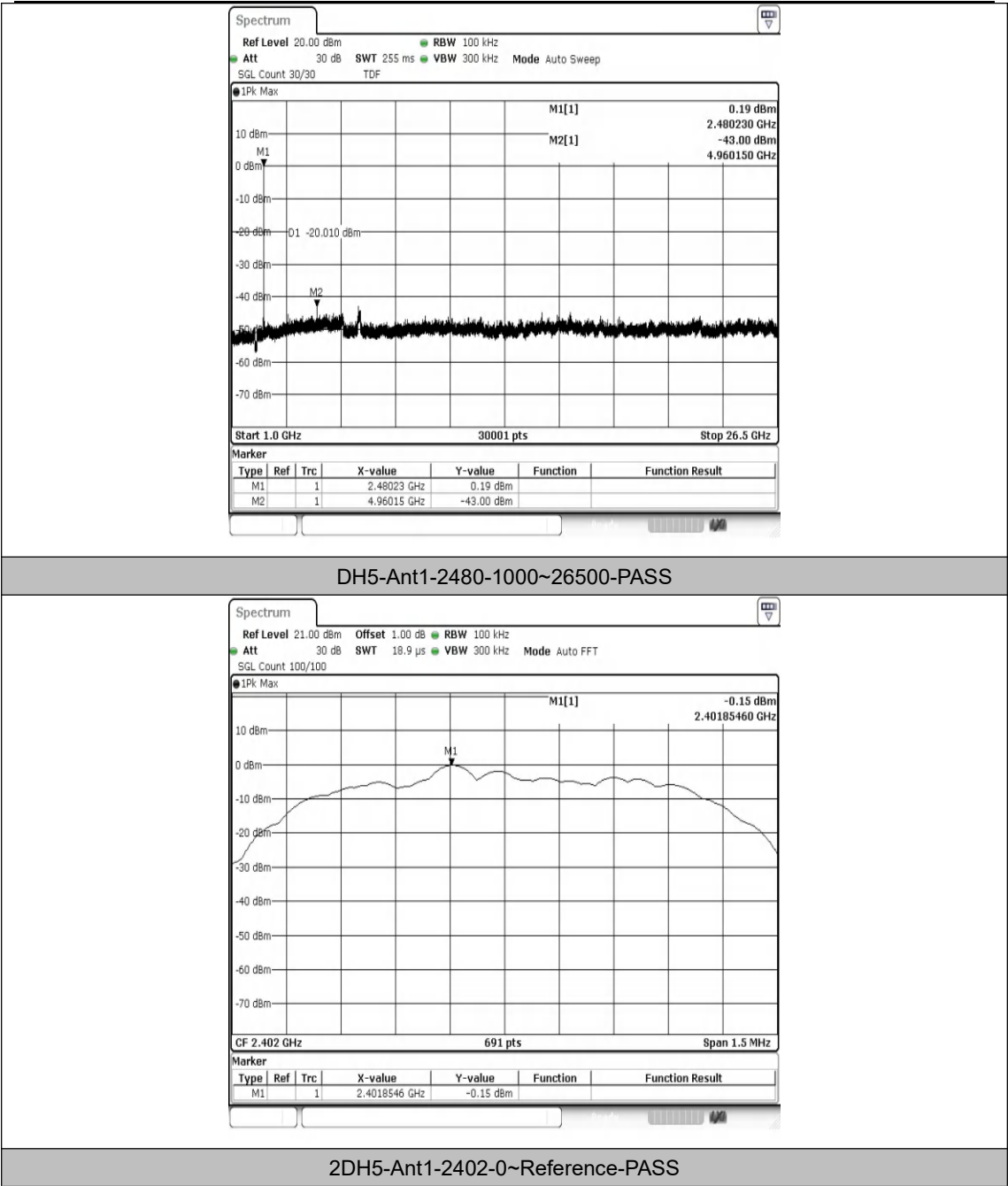


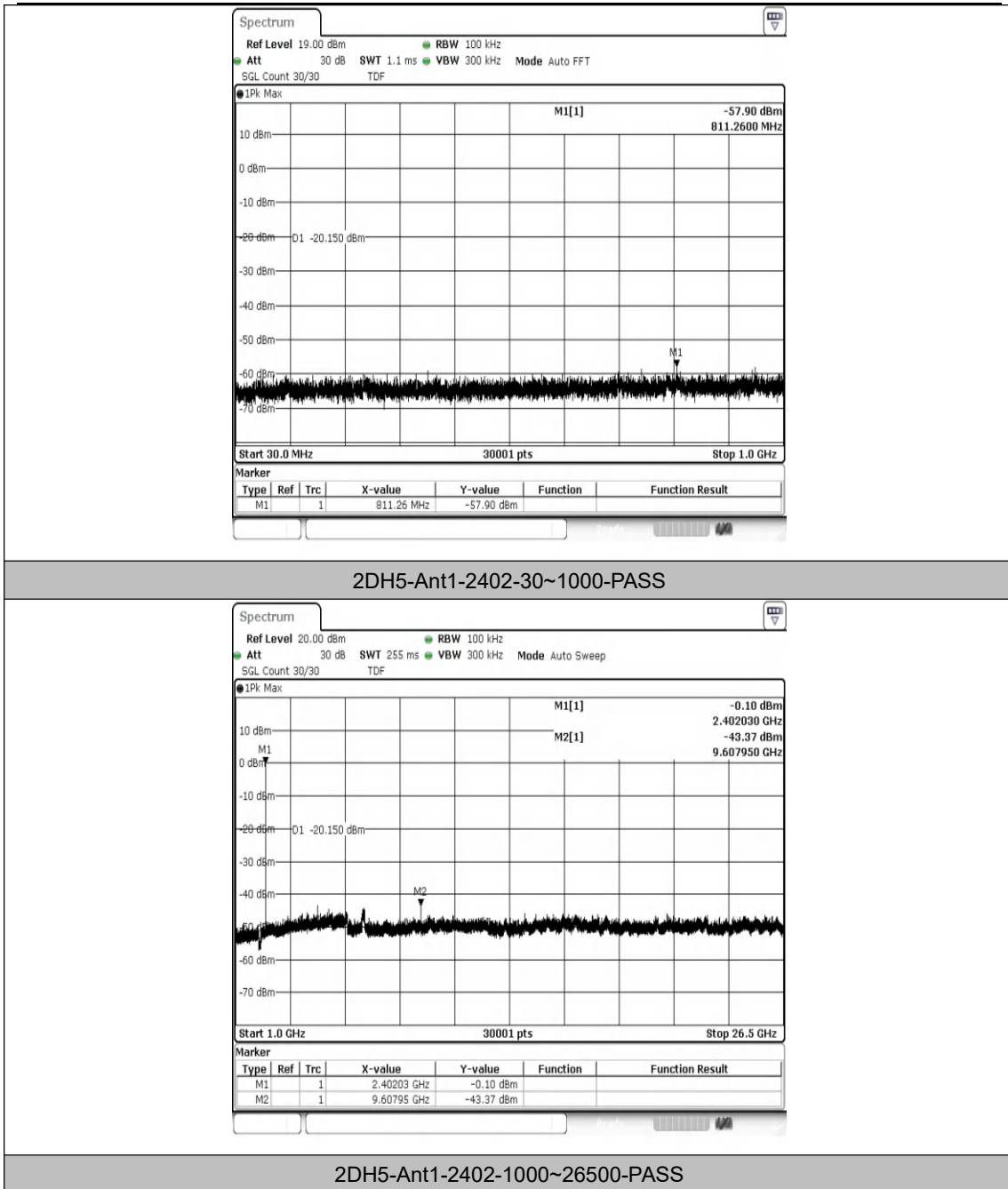
DH5-Ant1-2480-30~1000-PASS

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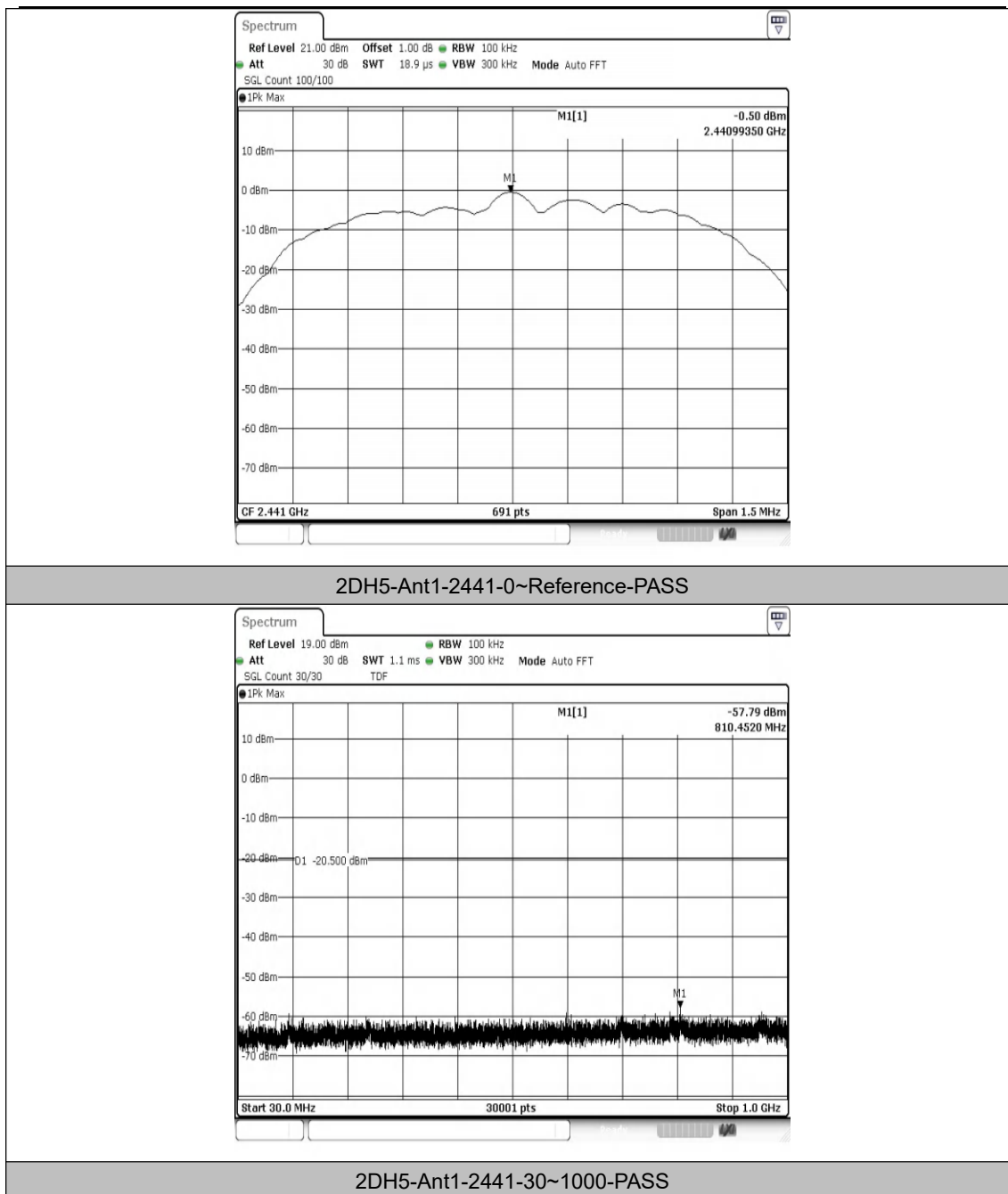




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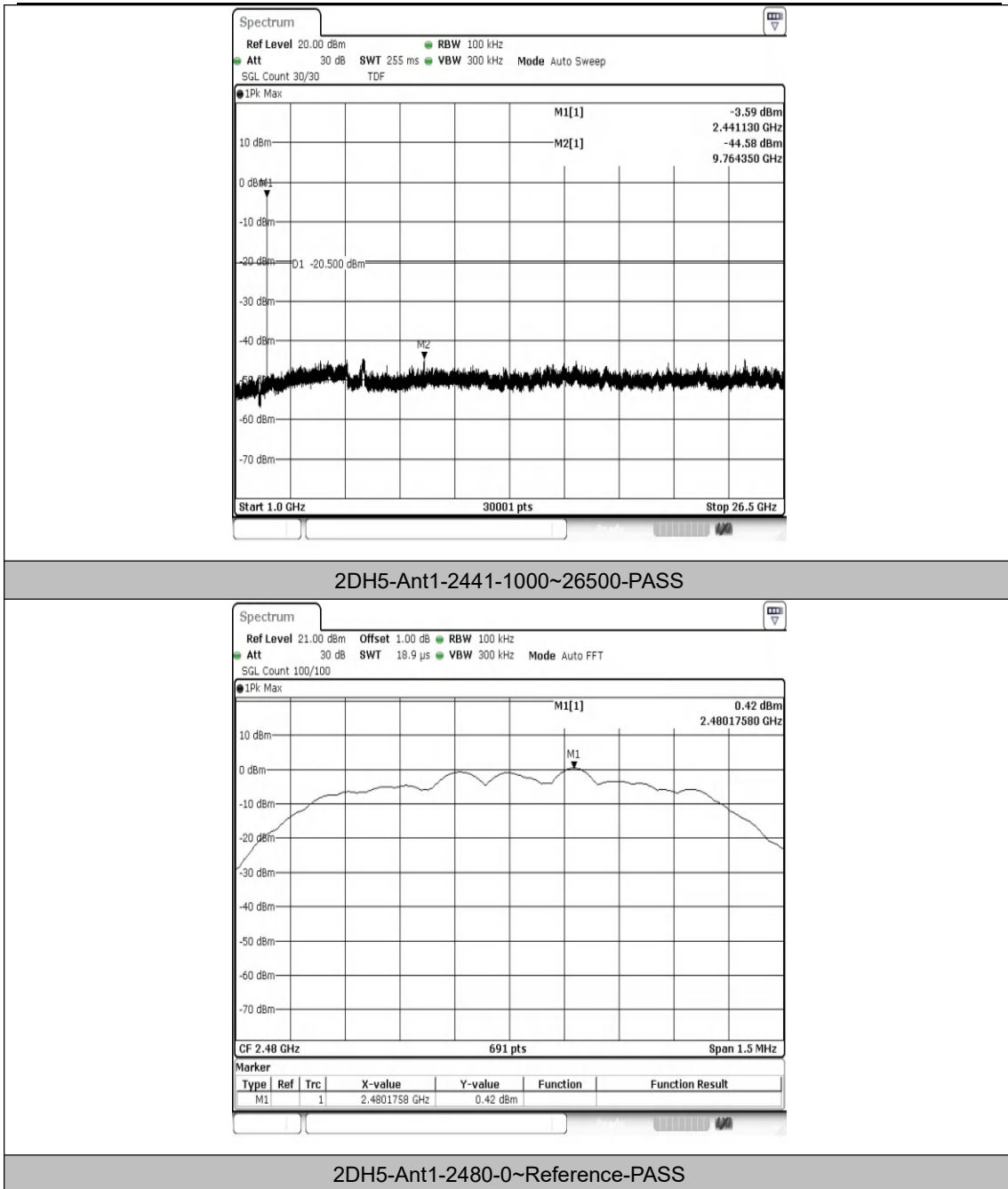
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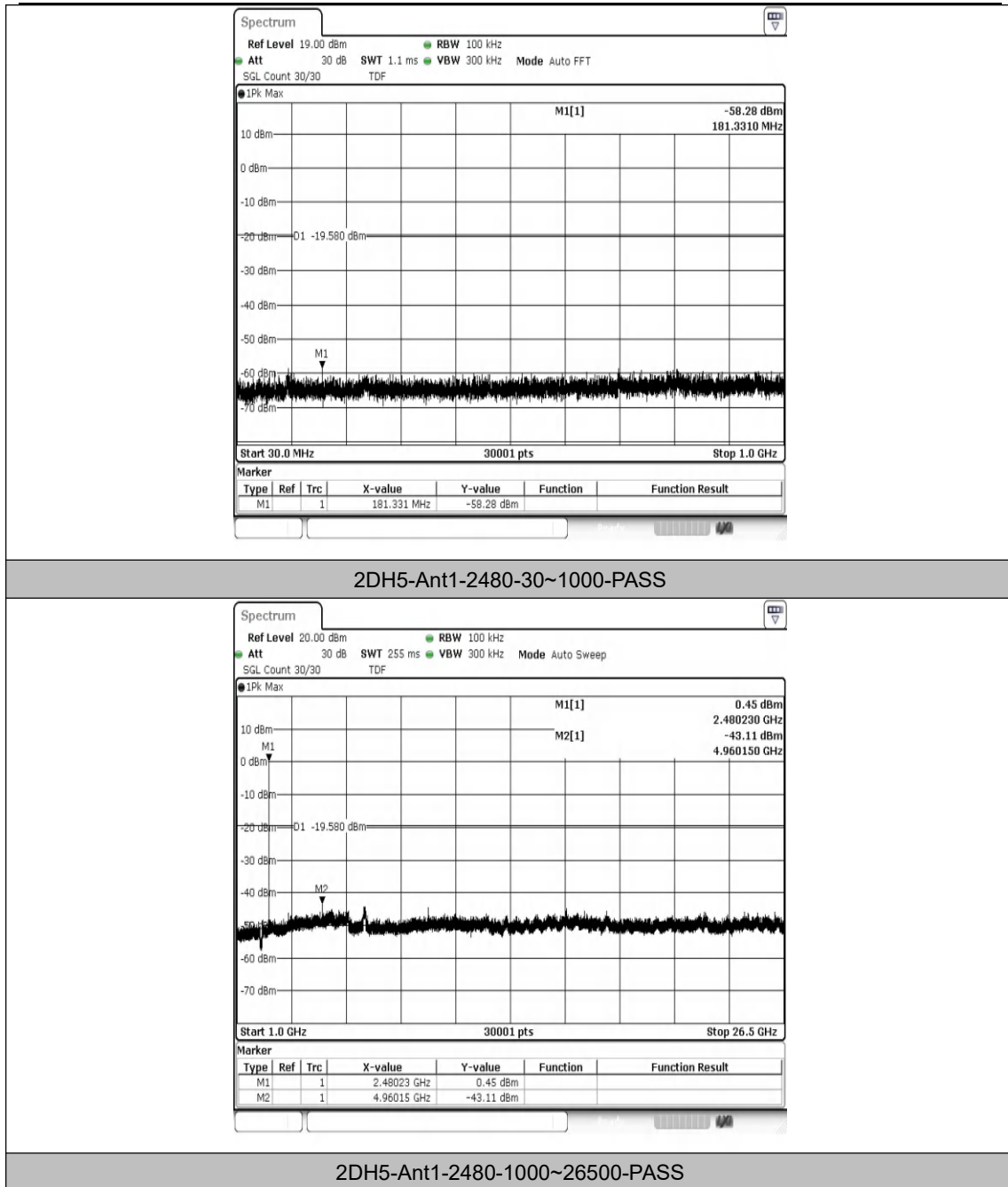
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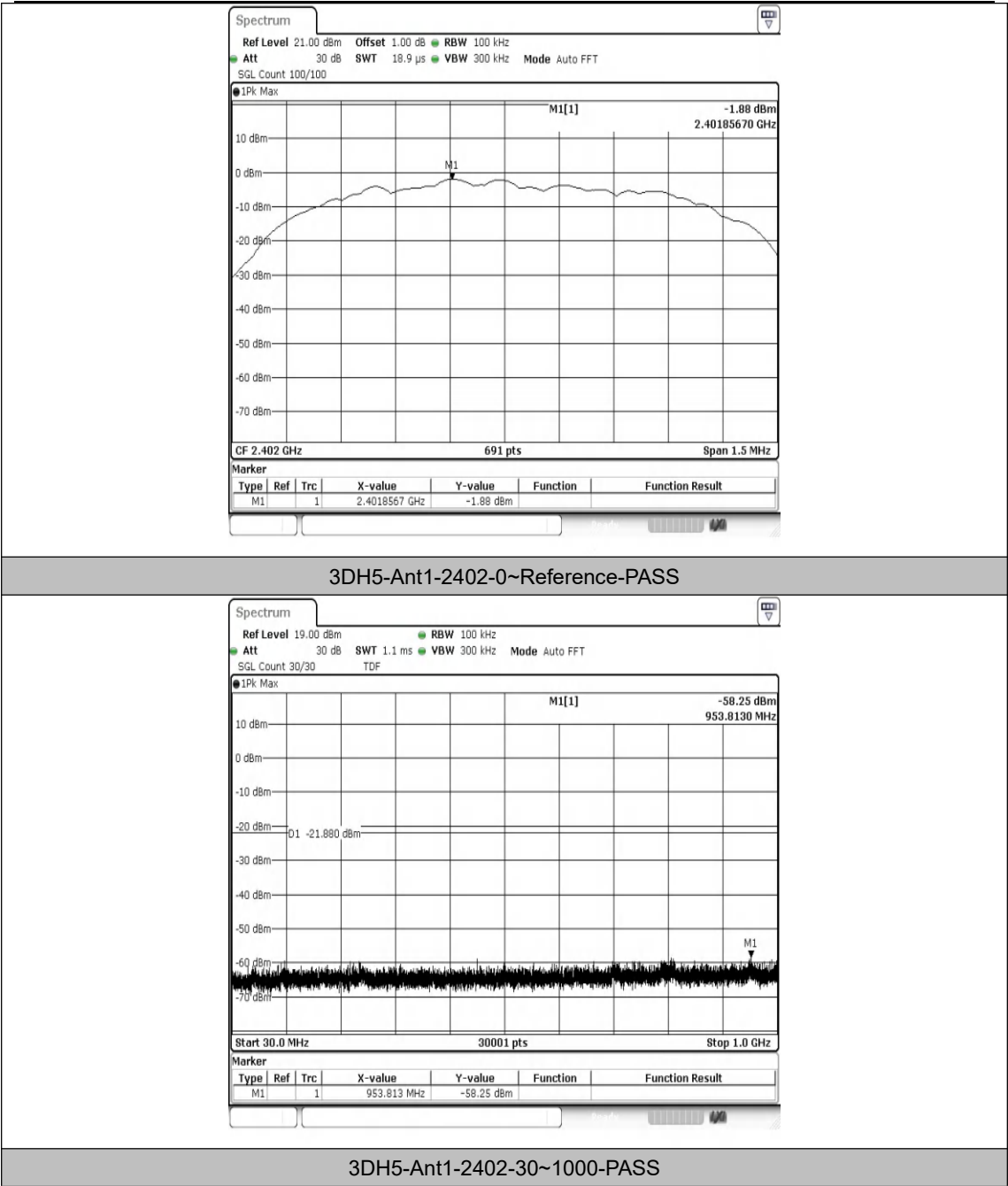
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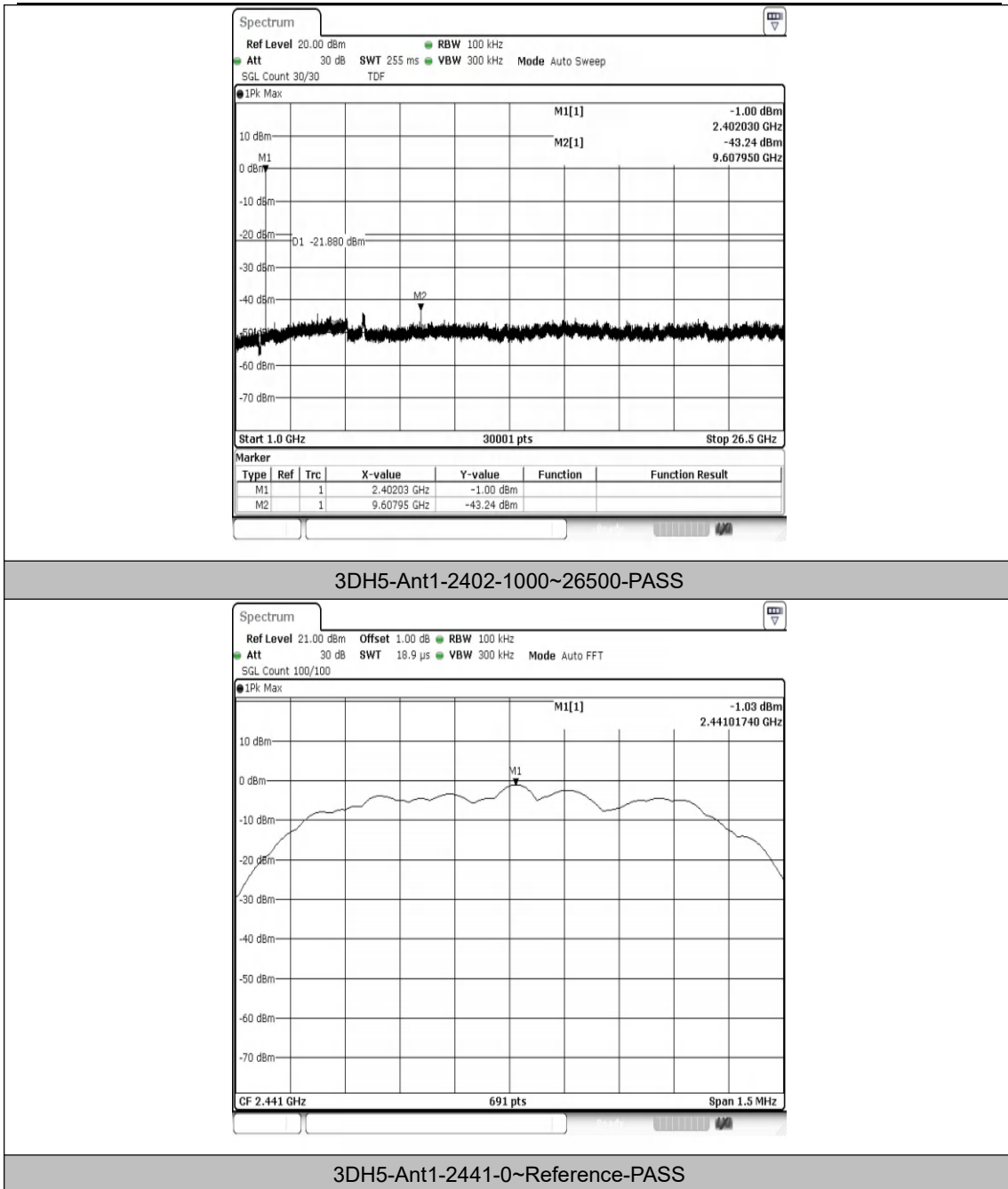


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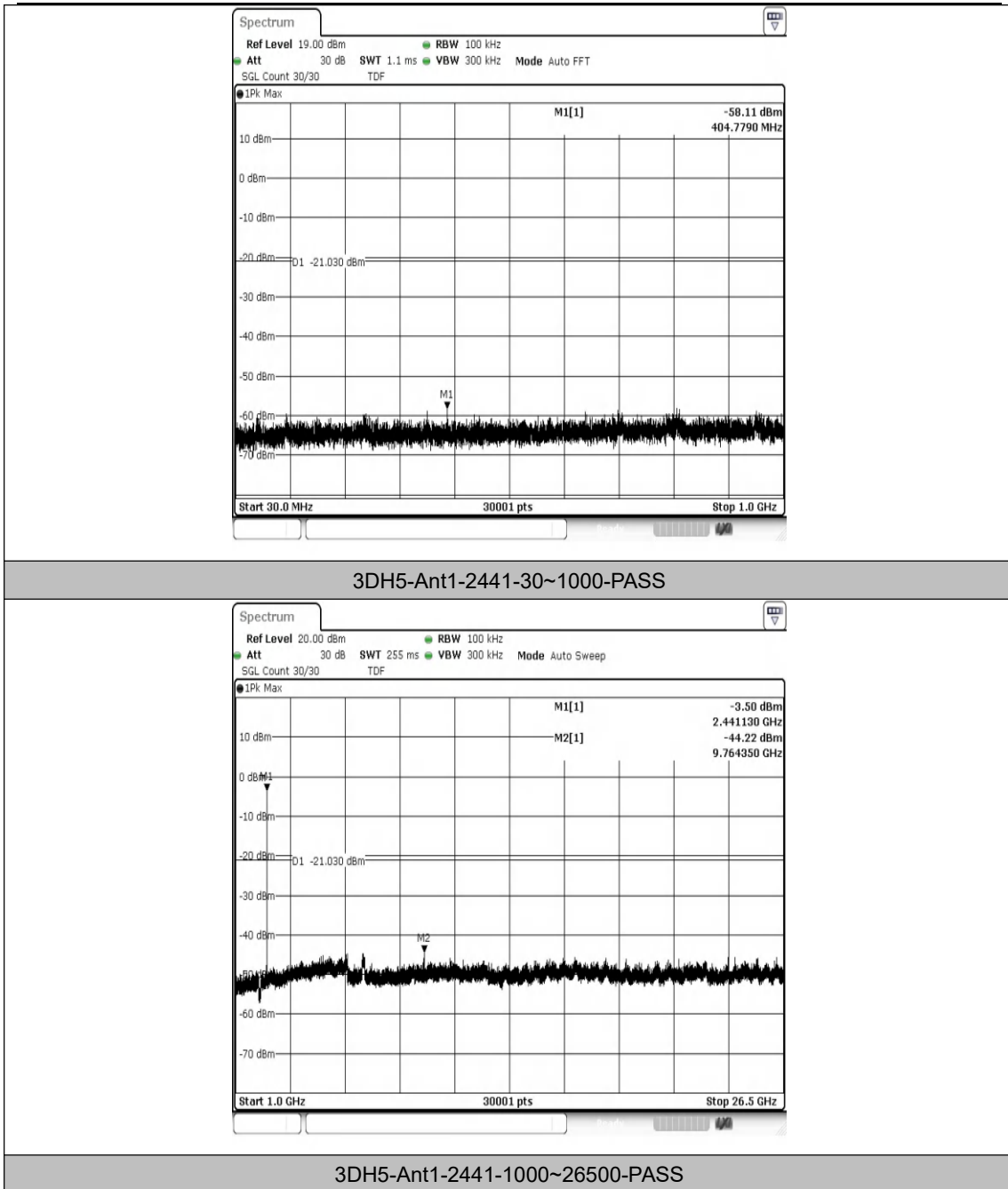




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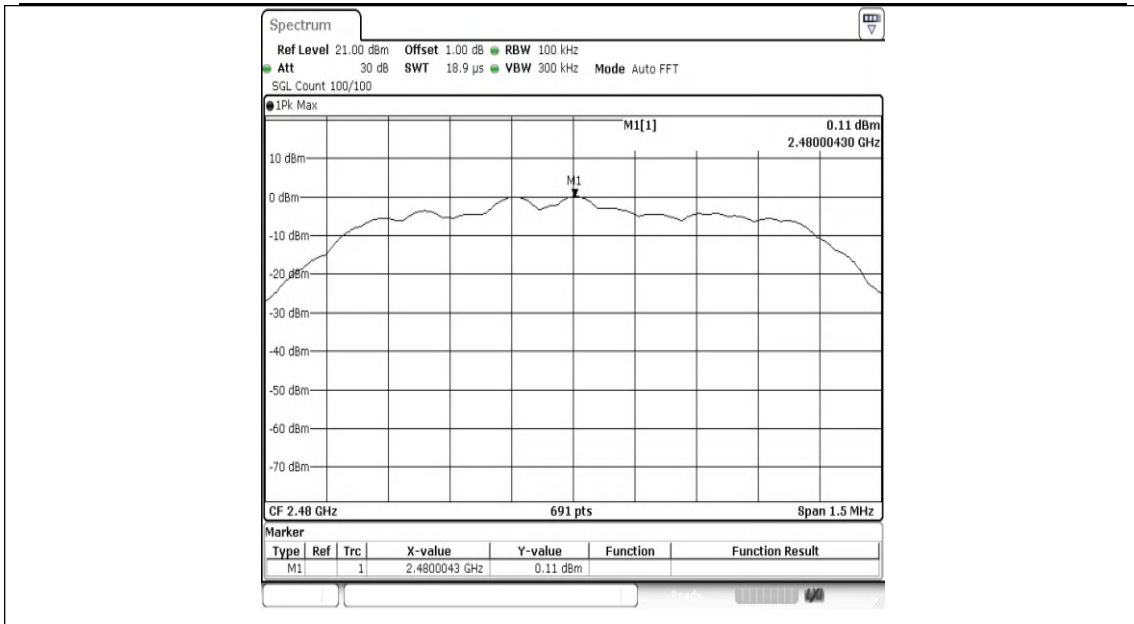
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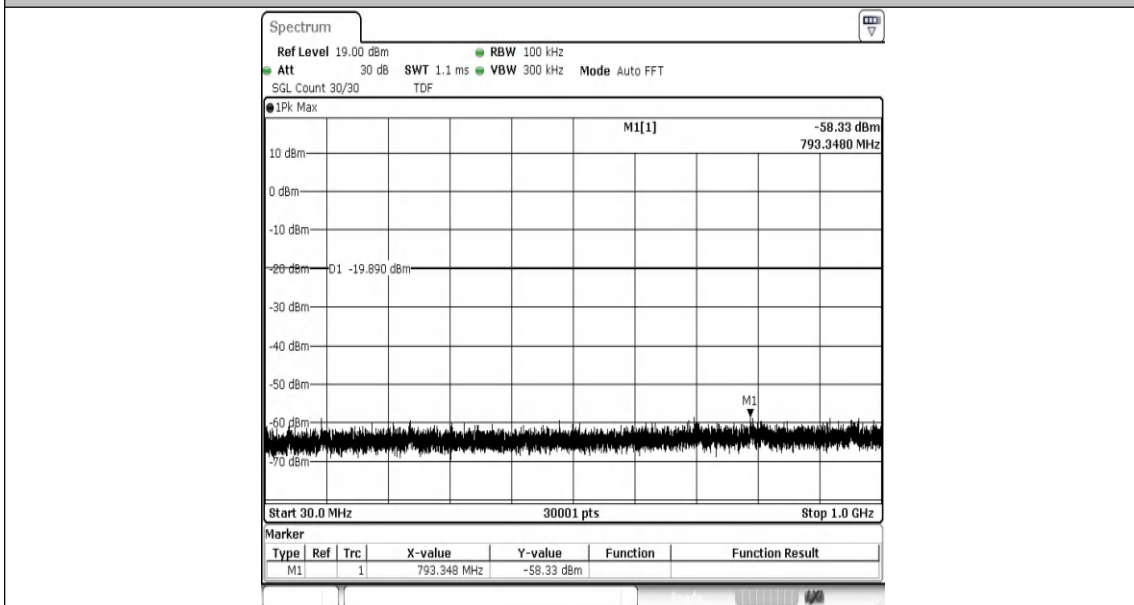
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3DH5-Ant1-2480-0~Reference-PASS

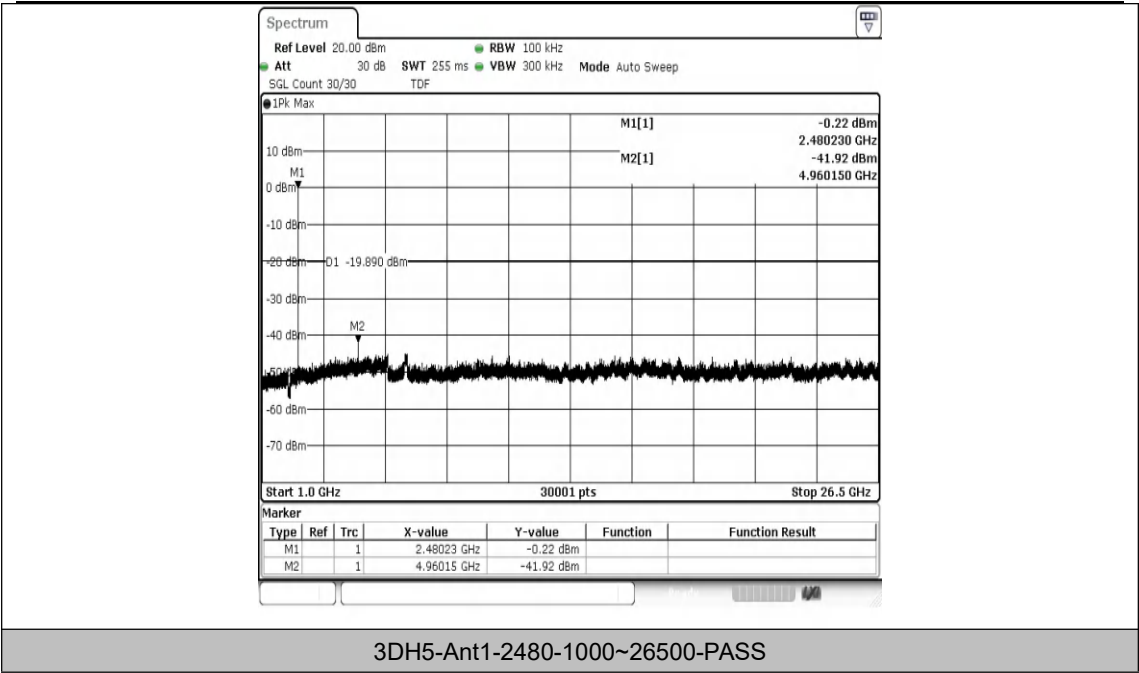


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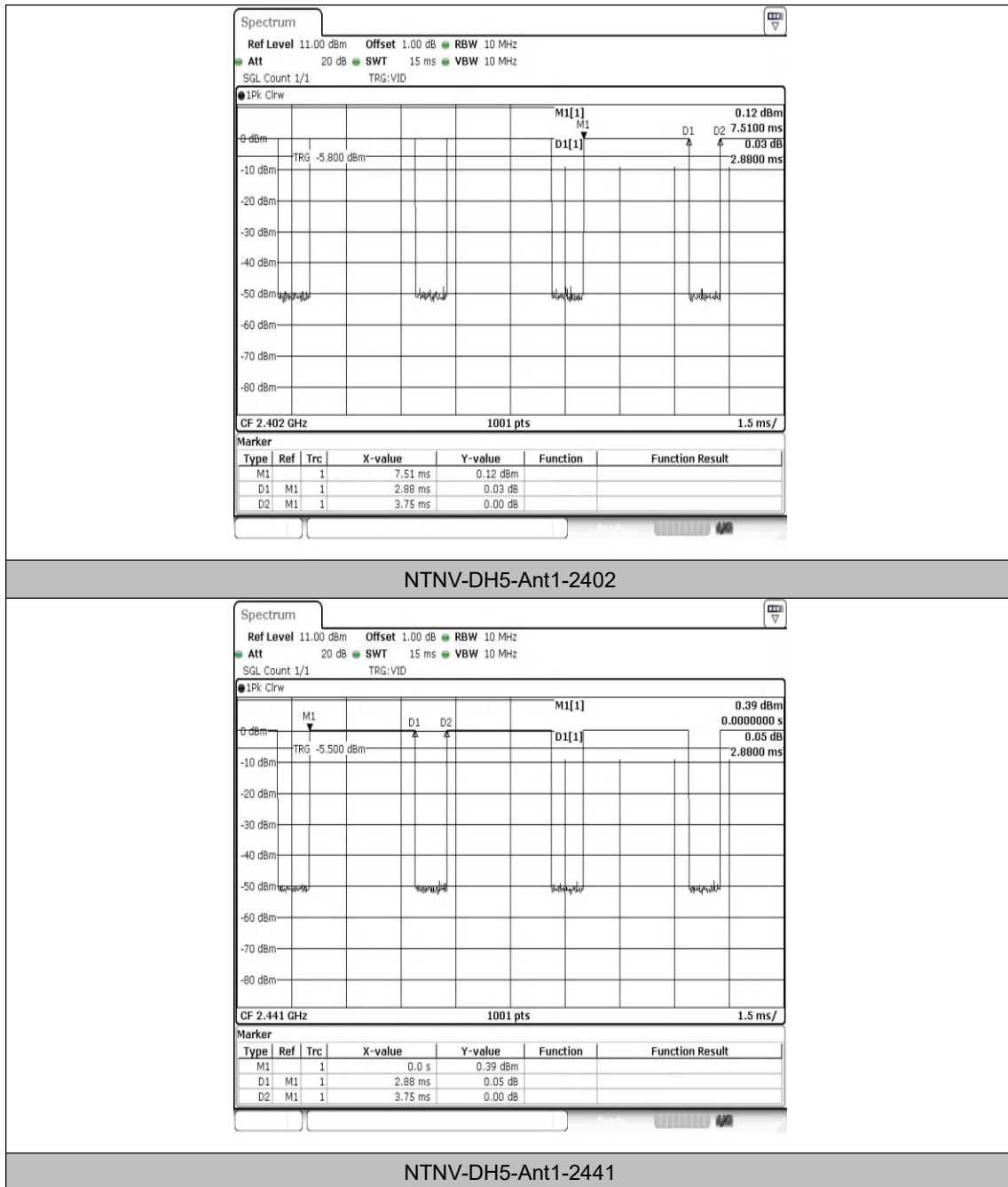
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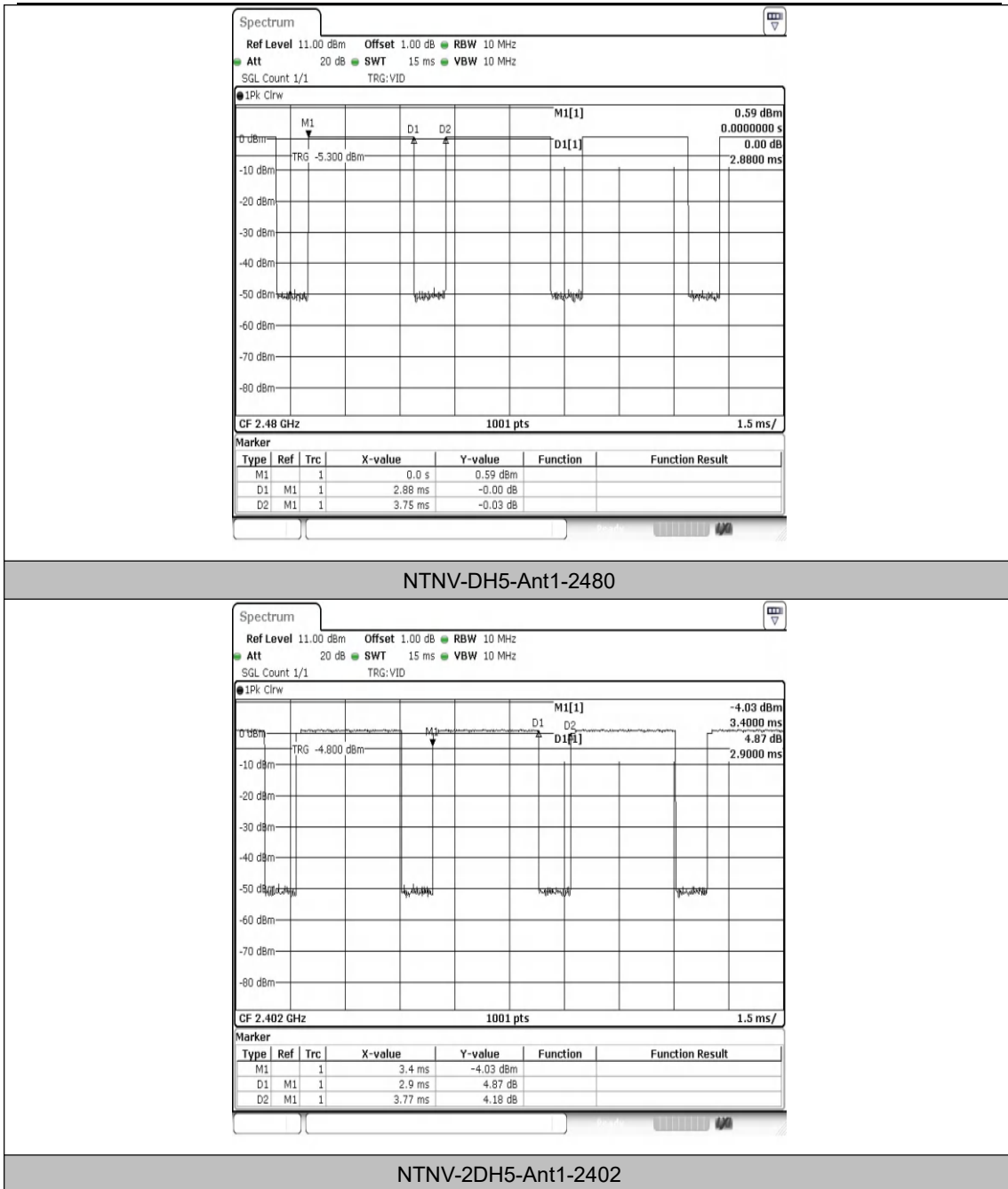
Appendix I: Duty Cycle

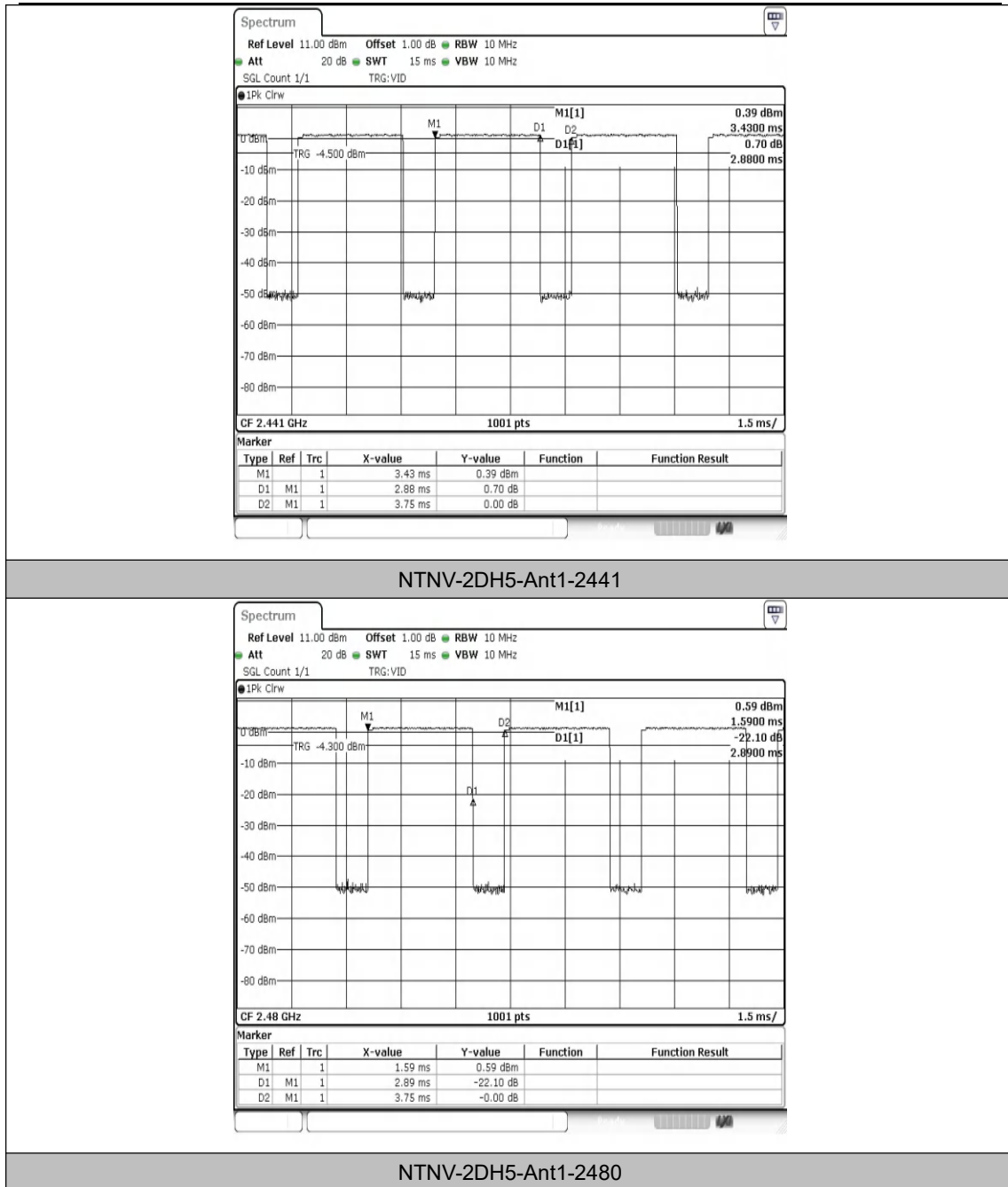
Test Result

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	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.90	3.77	76.92	1.14
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs



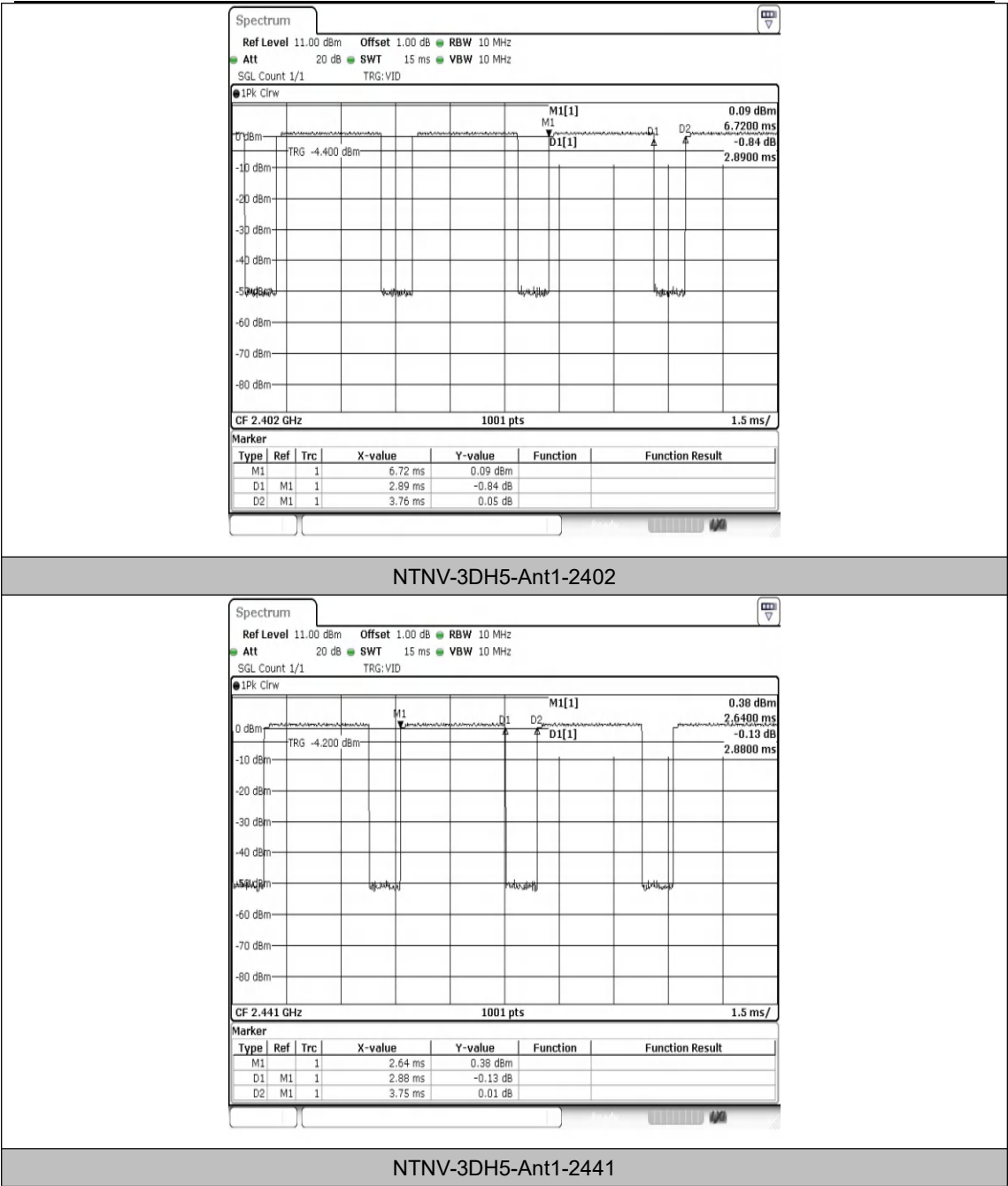


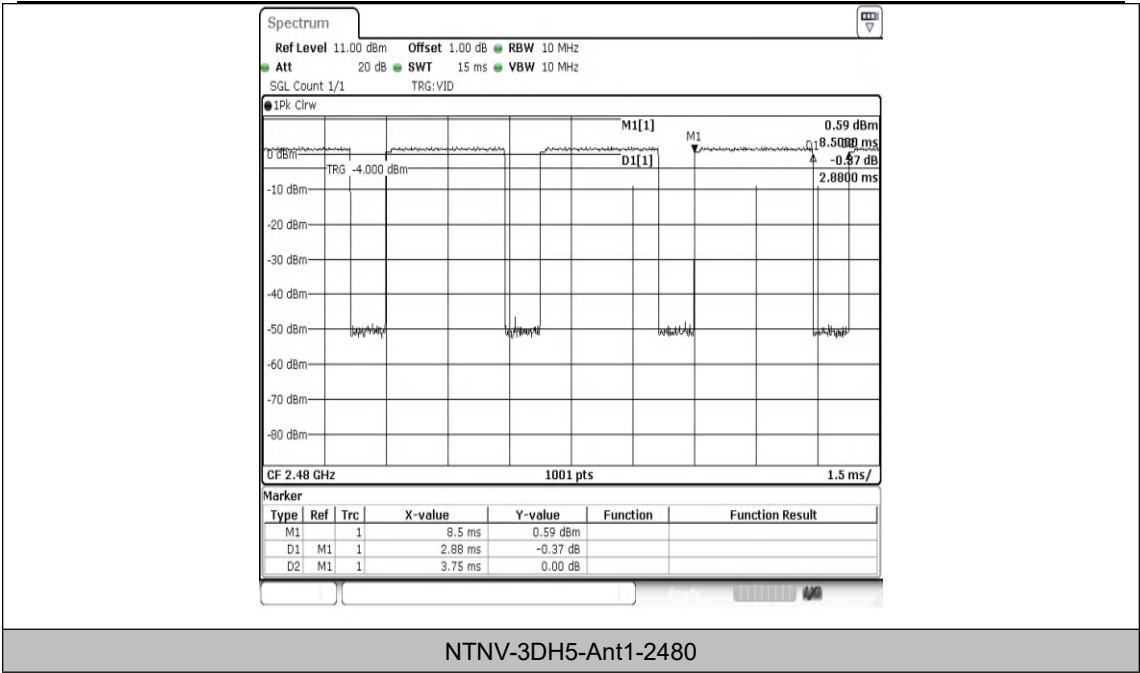


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---End---