

Appendix Test Data

Report No.:	1812C50505512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-9-28	Finish Test Date:	2025-10-20
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27.0°C	Relative Humidity:	47%
Pressure:	101kPa		

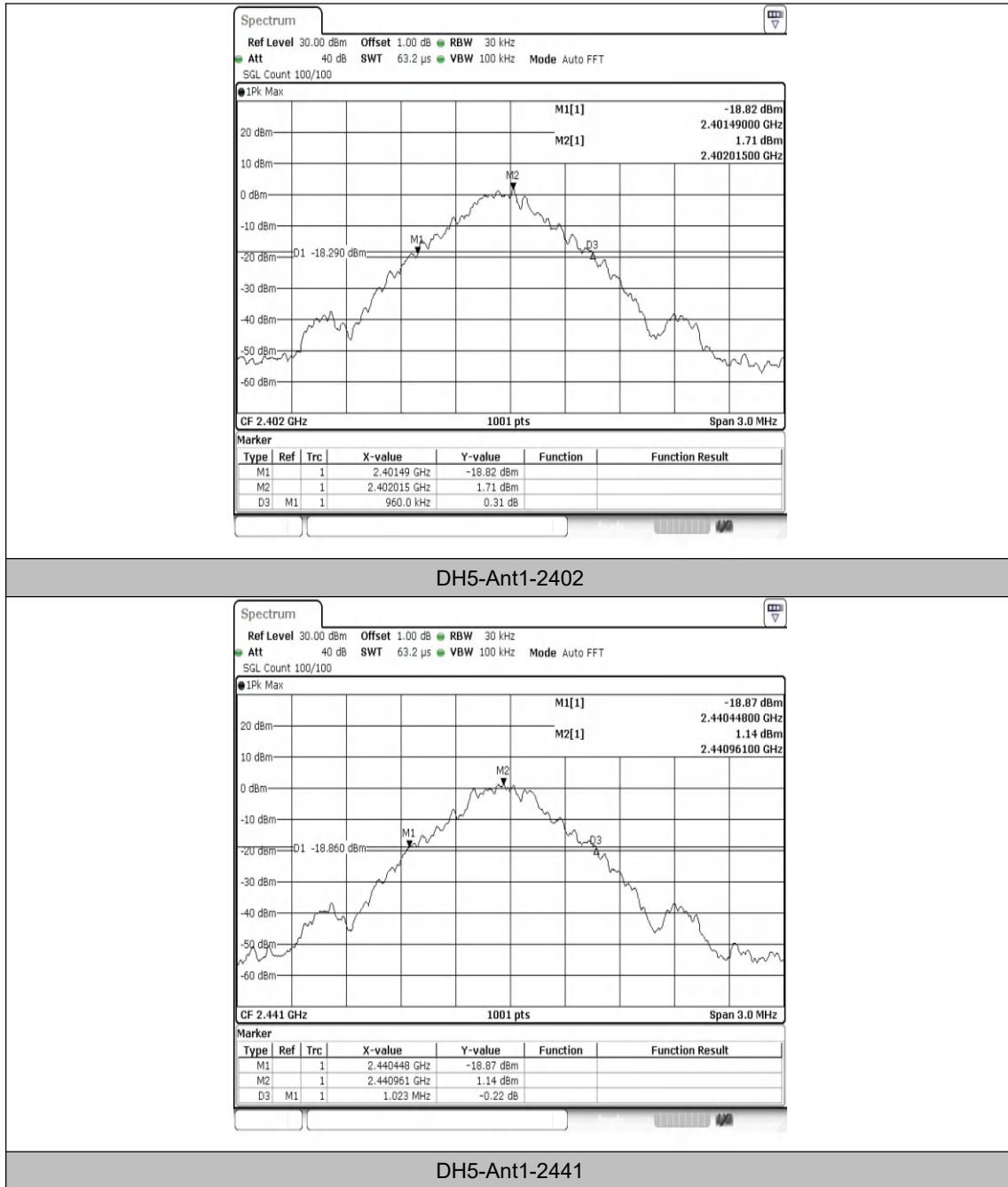


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.49	2402.45	---	---
DH5	Ant1	2441	1.02	2440.45	2441.47	---	---
DH5	Ant1	2480	1.00	2479.45	2480.45	---	---
2DH5	Ant1	2402	1.34	2401.29	2402.64	---	---
2DH5	Ant1	2441	1.34	2440.29	2441.64	---	---
2DH5	Ant1	2480	1.33	2479.30	2480.62	---	---
3DH5	Ant1	2402	1.31	2401.30	2402.61	---	---
3DH5	Ant1	2441	1.38	2440.27	2441.65	---	---
3DH5	Ant1	2480	1.34	2479.29	2480.62	---	---

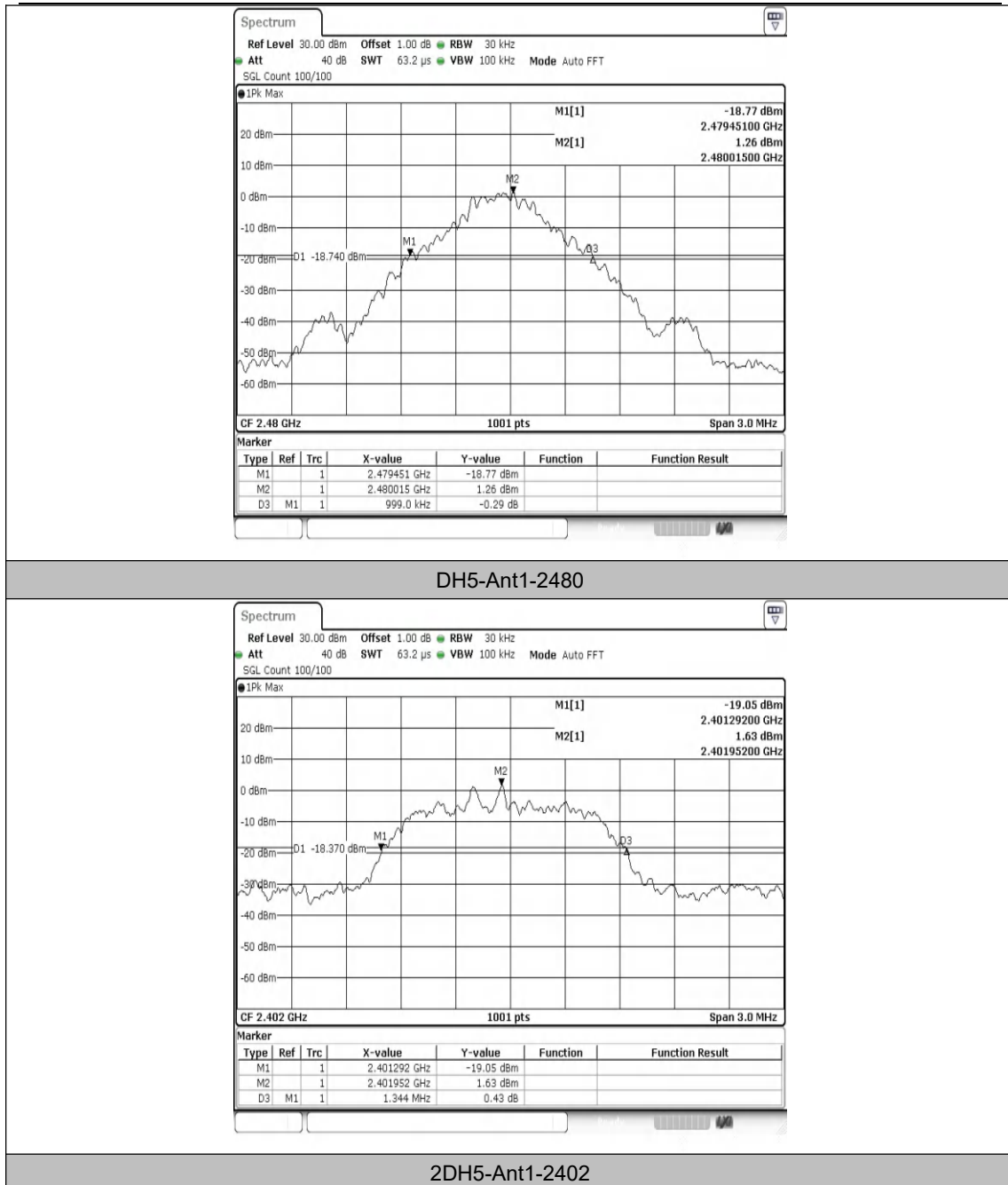
Test Graphs

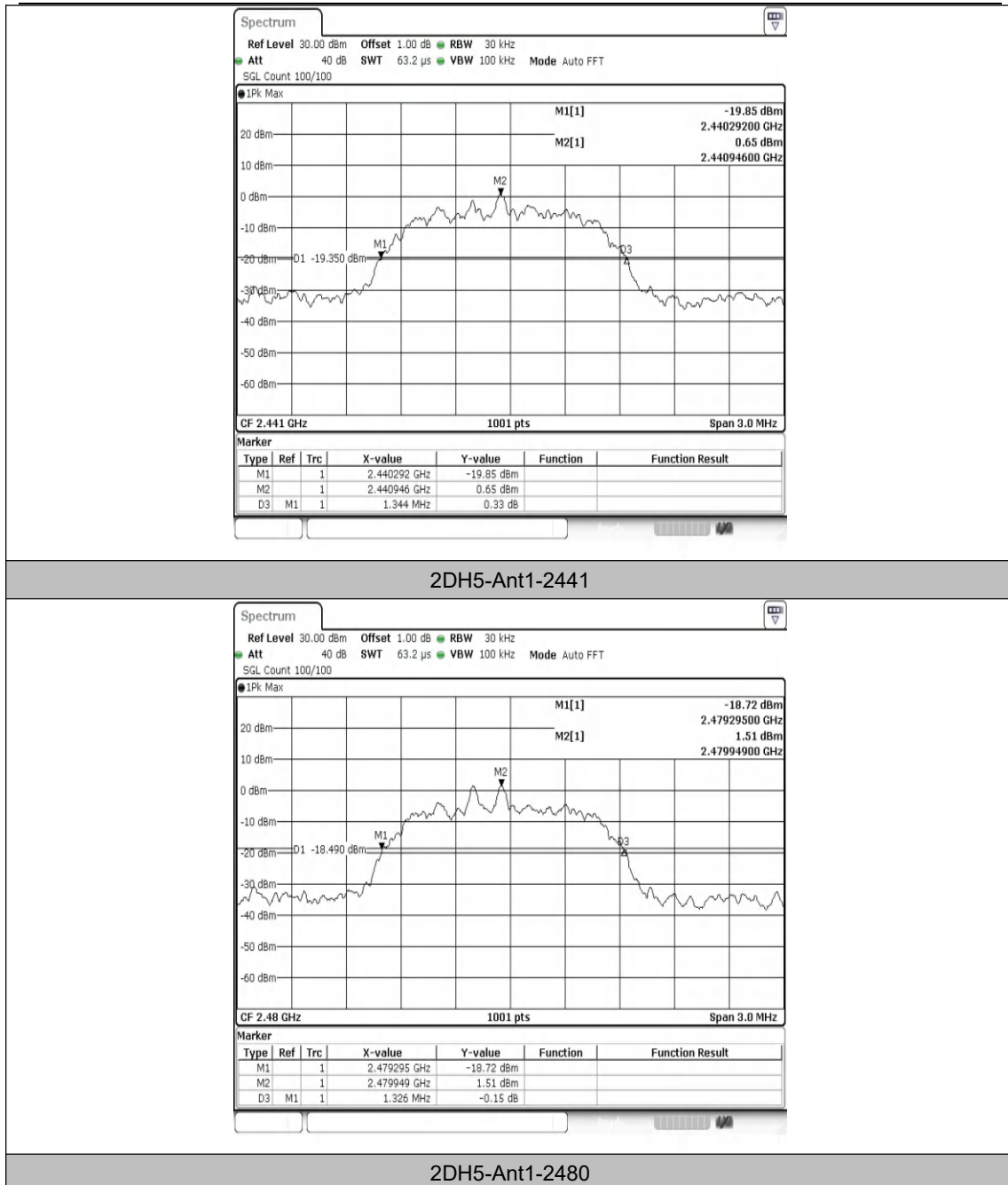


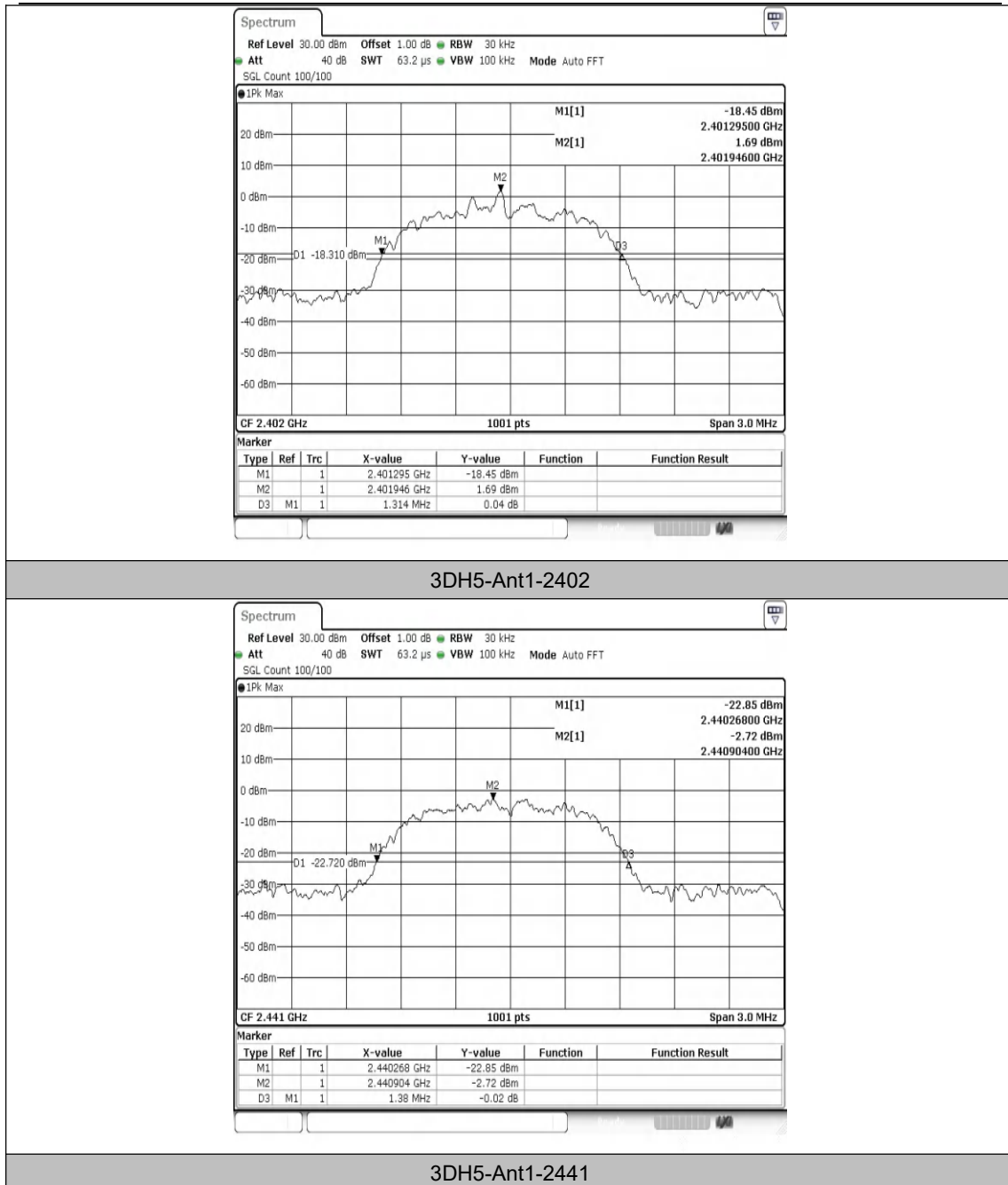
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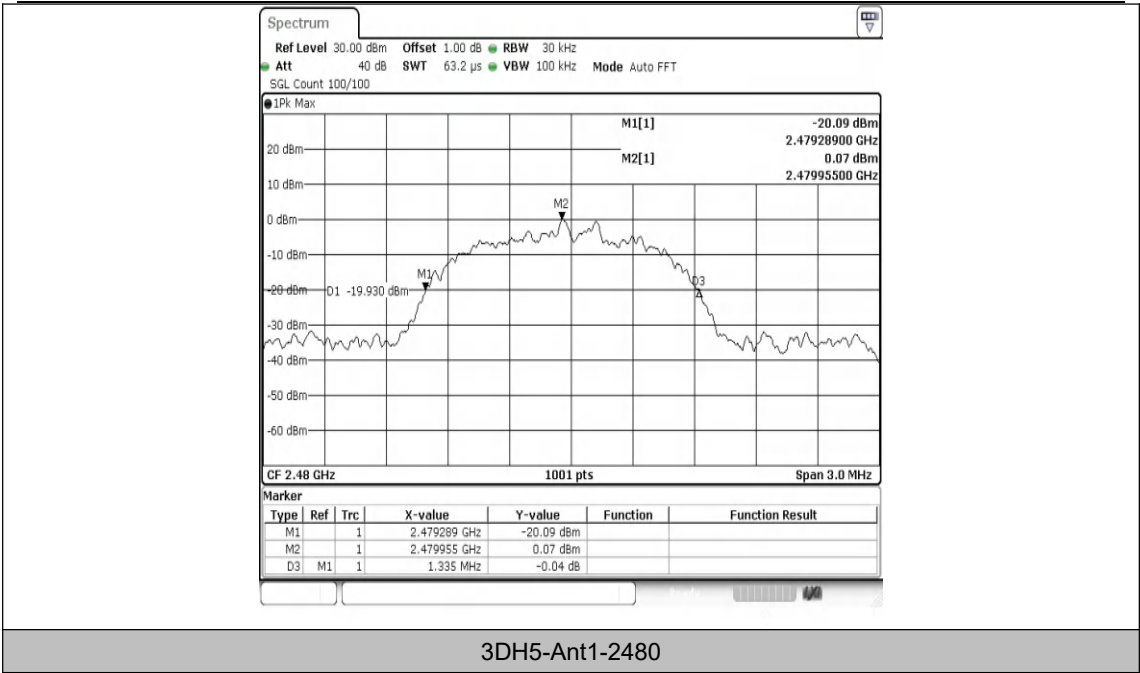




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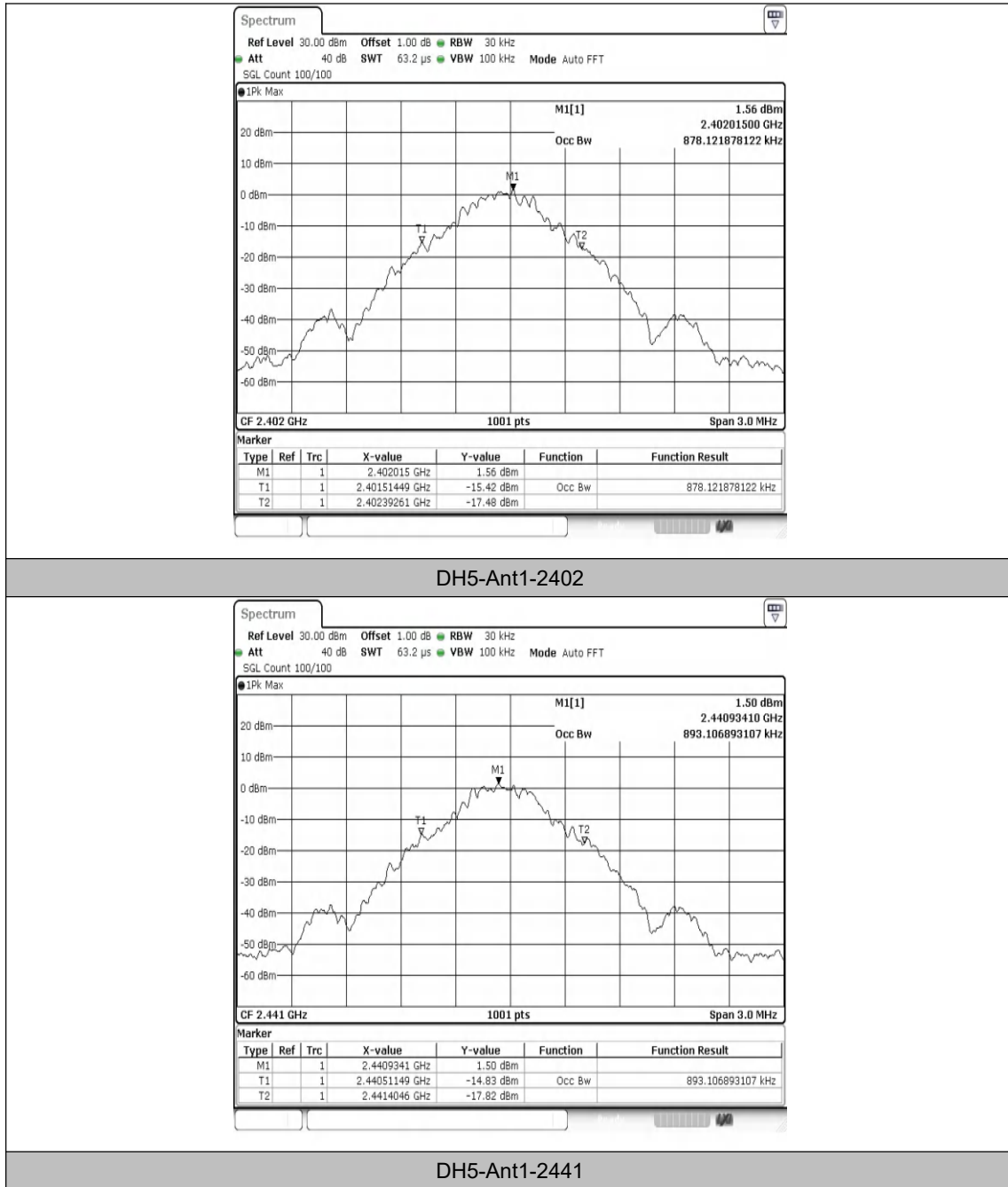
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87812	2401.5145	2402.3926	---	---
DH5	Ant1	2441	0.89311	2440.5115	2441.4046	---	---
DH5	Ant1	2480	0.87213	2479.5145	2480.3866	---	---
2DH5	Ant1	2402	1.2408	2401.3437	2402.5844	---	---
2DH5	Ant1	2441	1.2587	2440.3347	2441.5934	---	---
2DH5	Ant1	2480	1.2348	2479.3437	2480.5784	---	---
3DH5	Ant1	2402	1.2498	2401.3287	2402.5784	---	---
3DH5	Ant1	2441	1.2378	2440.3317	2441.5694	---	---
3DH5	Ant1	2480	1.2198	2479.3437	2480.5634	---	---

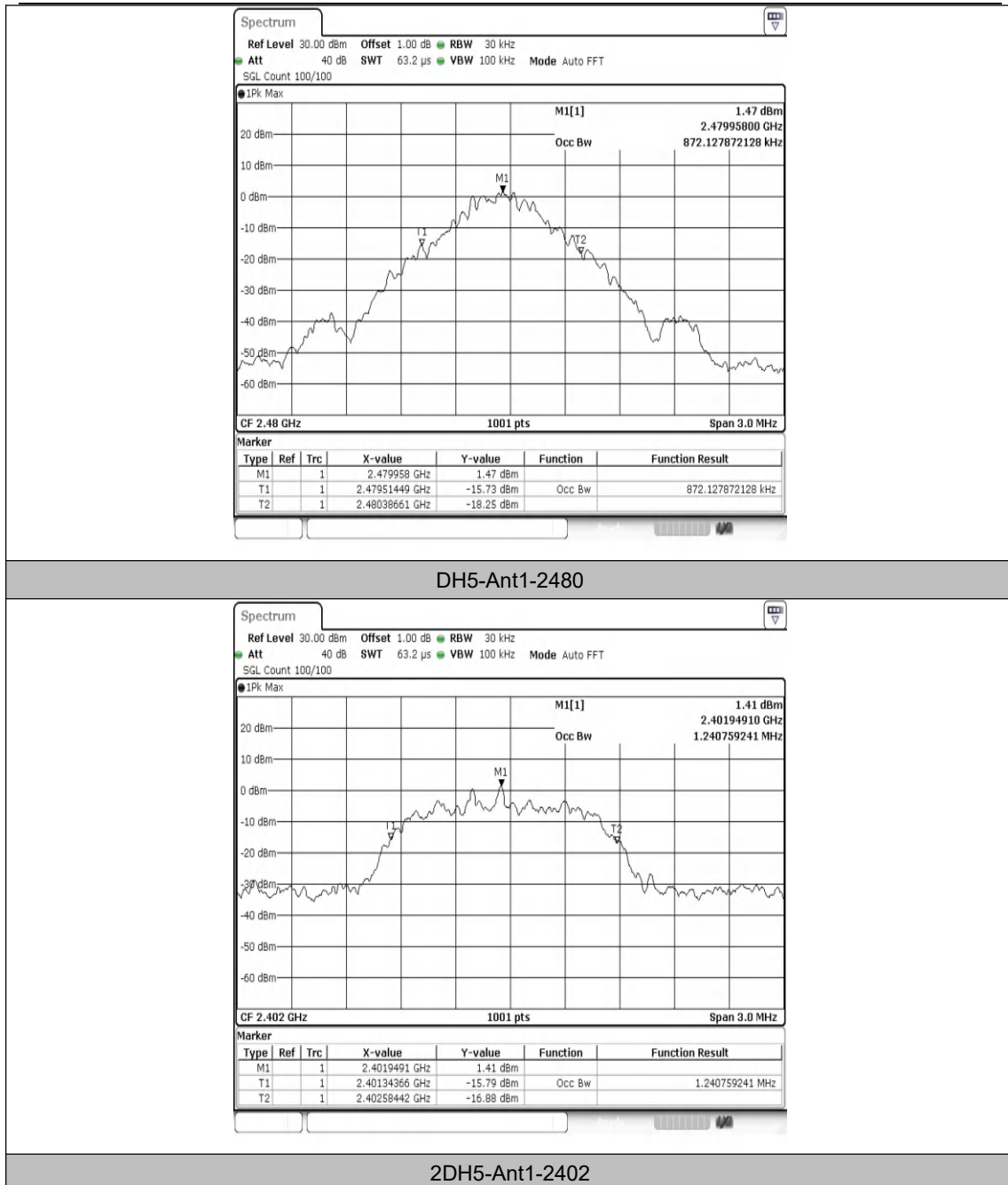
Test Graphs

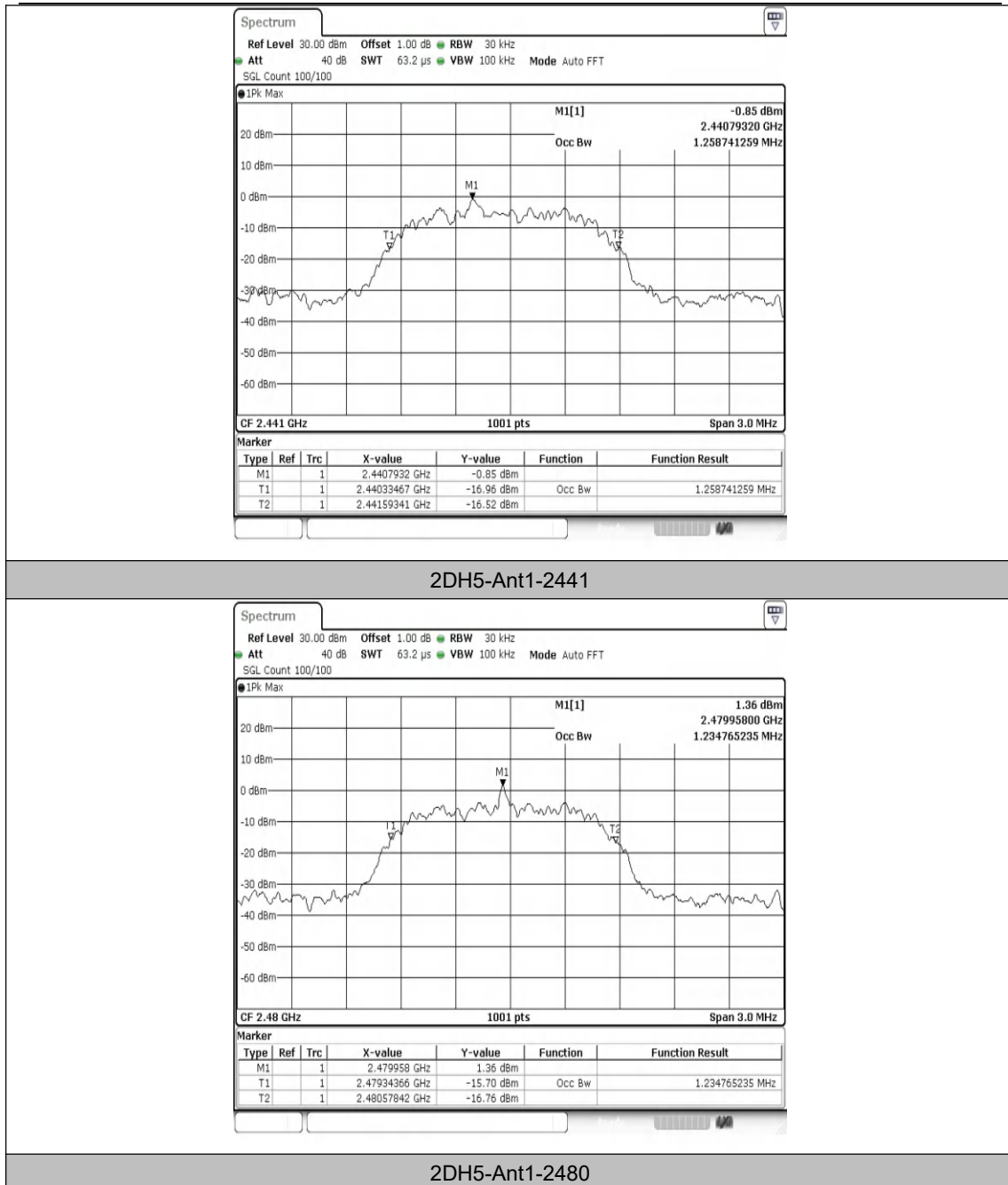


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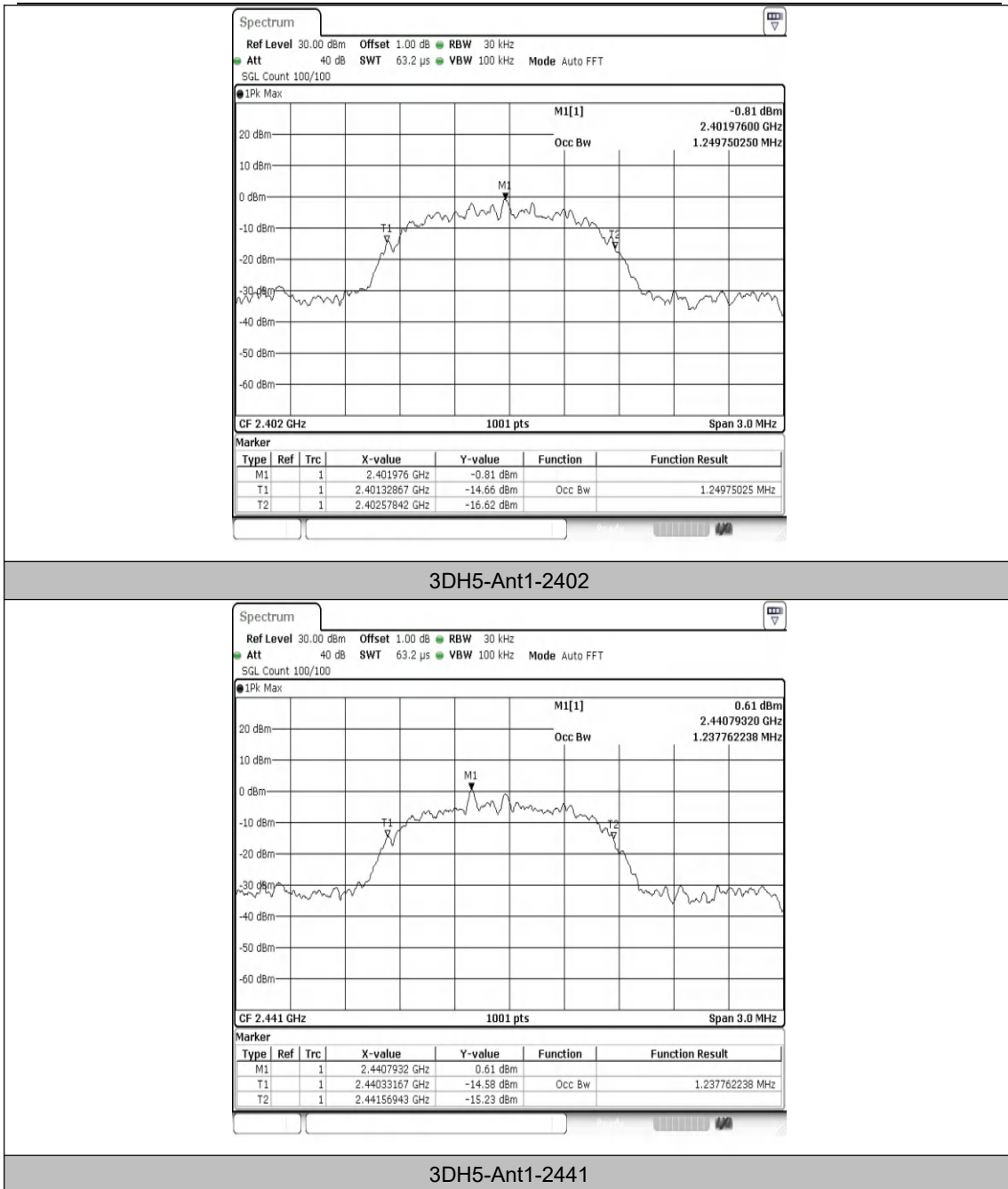




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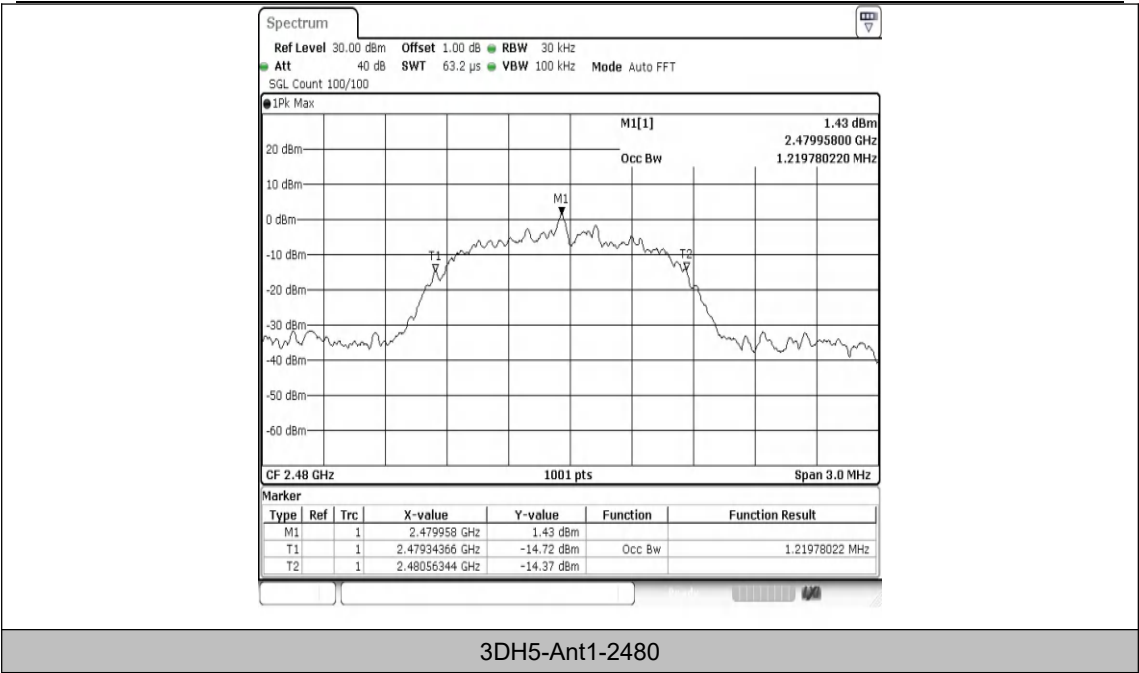
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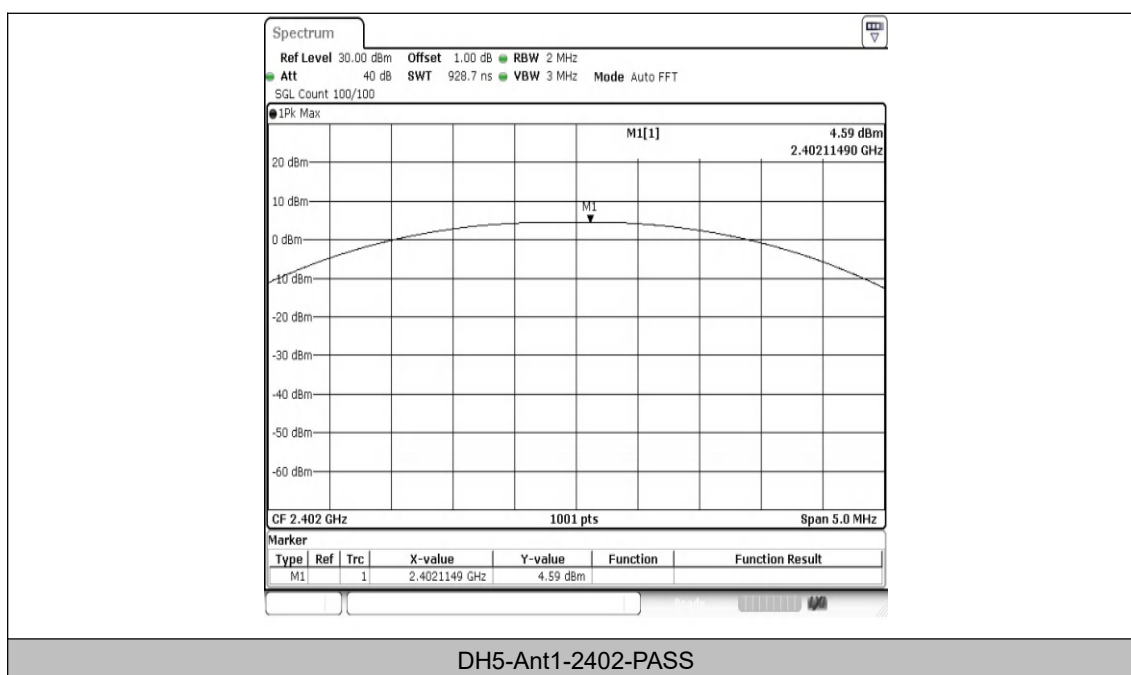
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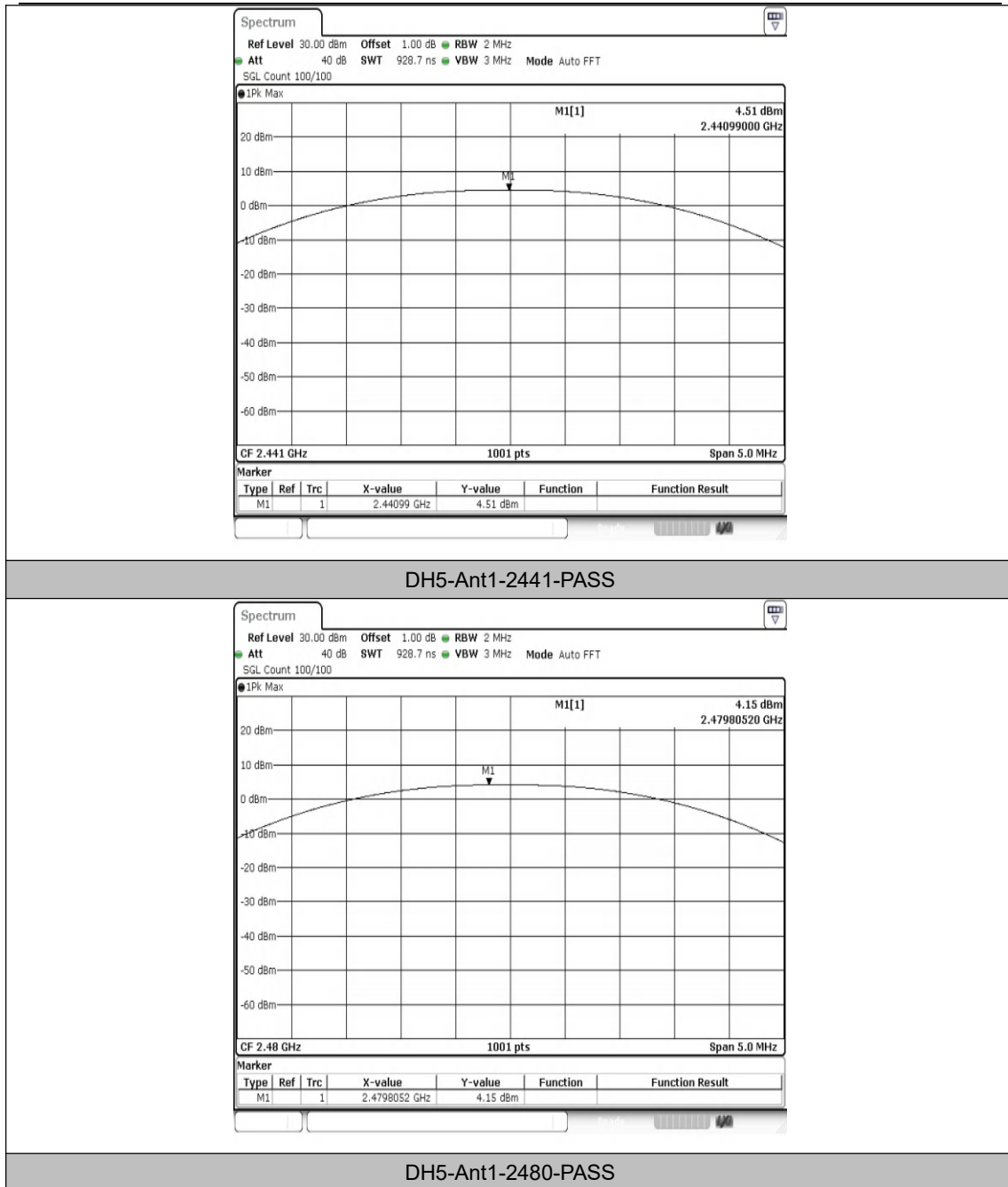
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.59	≤20.97	PASS
DH5	Ant1	2441	4.51	≤20.97	PASS
DH5	Ant1	2480	4.15	≤20.97	PASS
2DH5	Ant1	2402	4.83	≤20.97	PASS
2DH5	Ant1	2441	4.89	≤20.97	PASS
2DH5	Ant1	2480	4.37	≤20.97	PASS
3DH5	Ant1	2402	5.20	≤20.97	PASS
3DH5	Ant1	2441	4.75	≤20.97	PASS
3DH5	Ant1	2480	4.22	≤20.97	PASS

Test Graphs

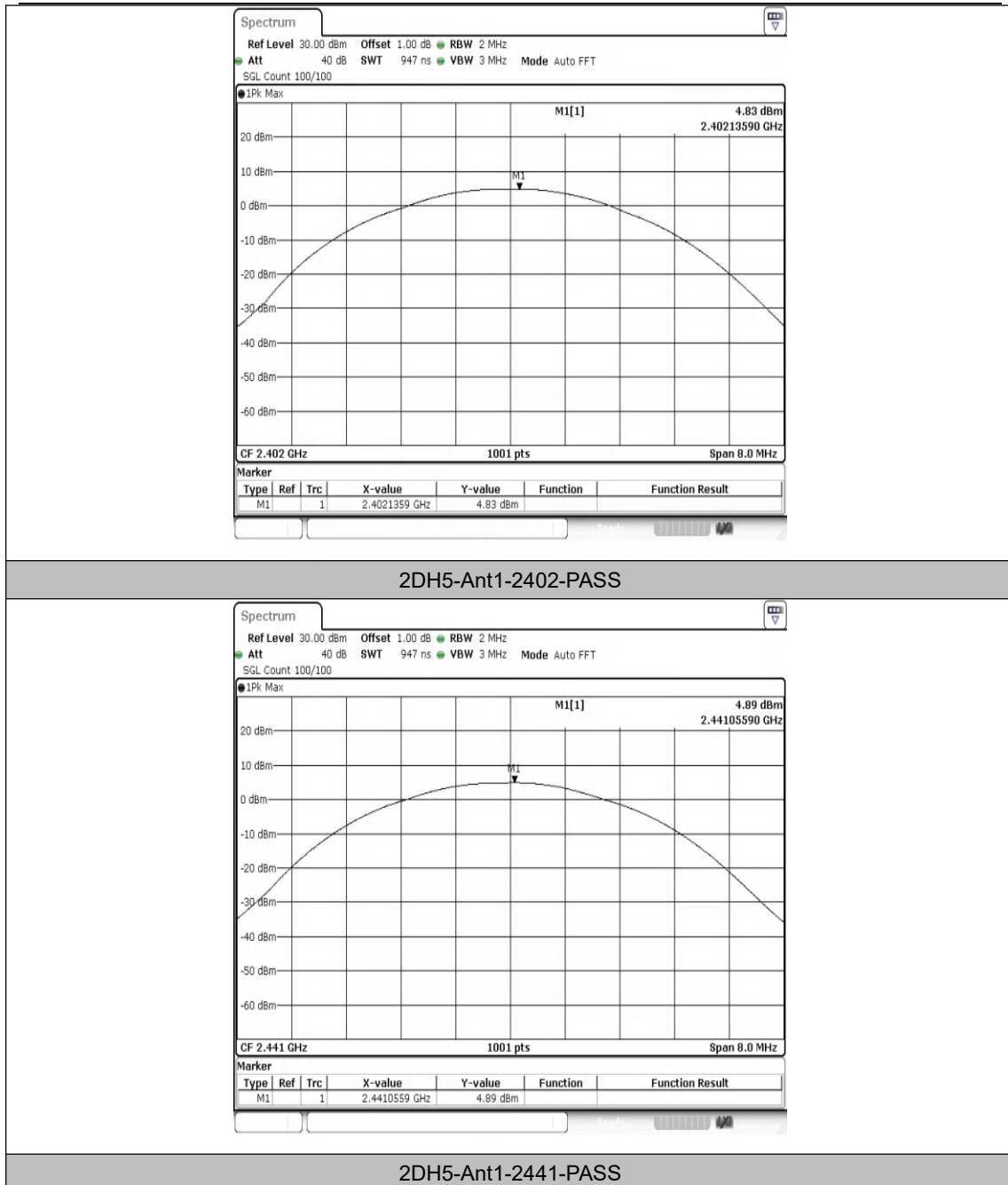


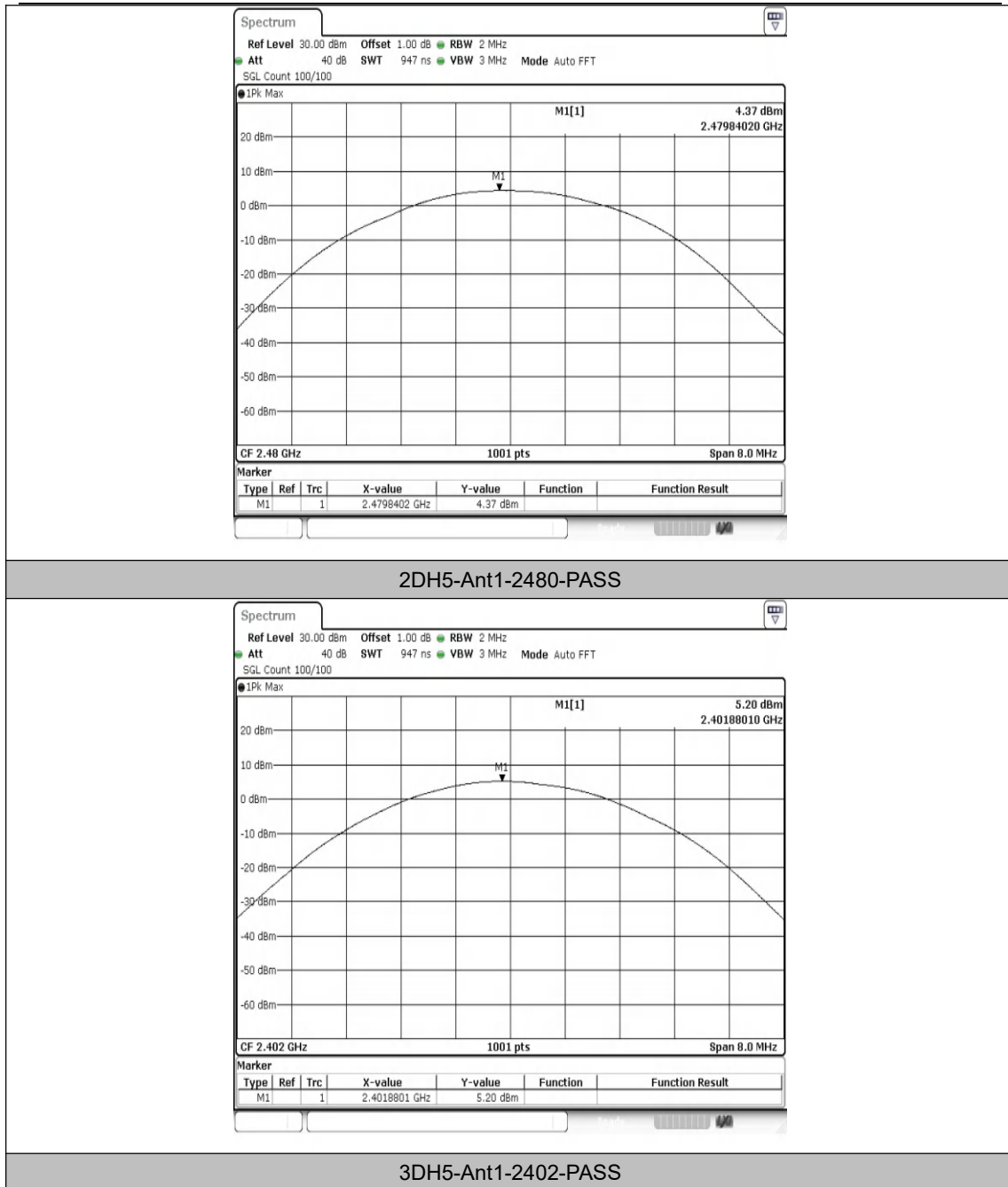


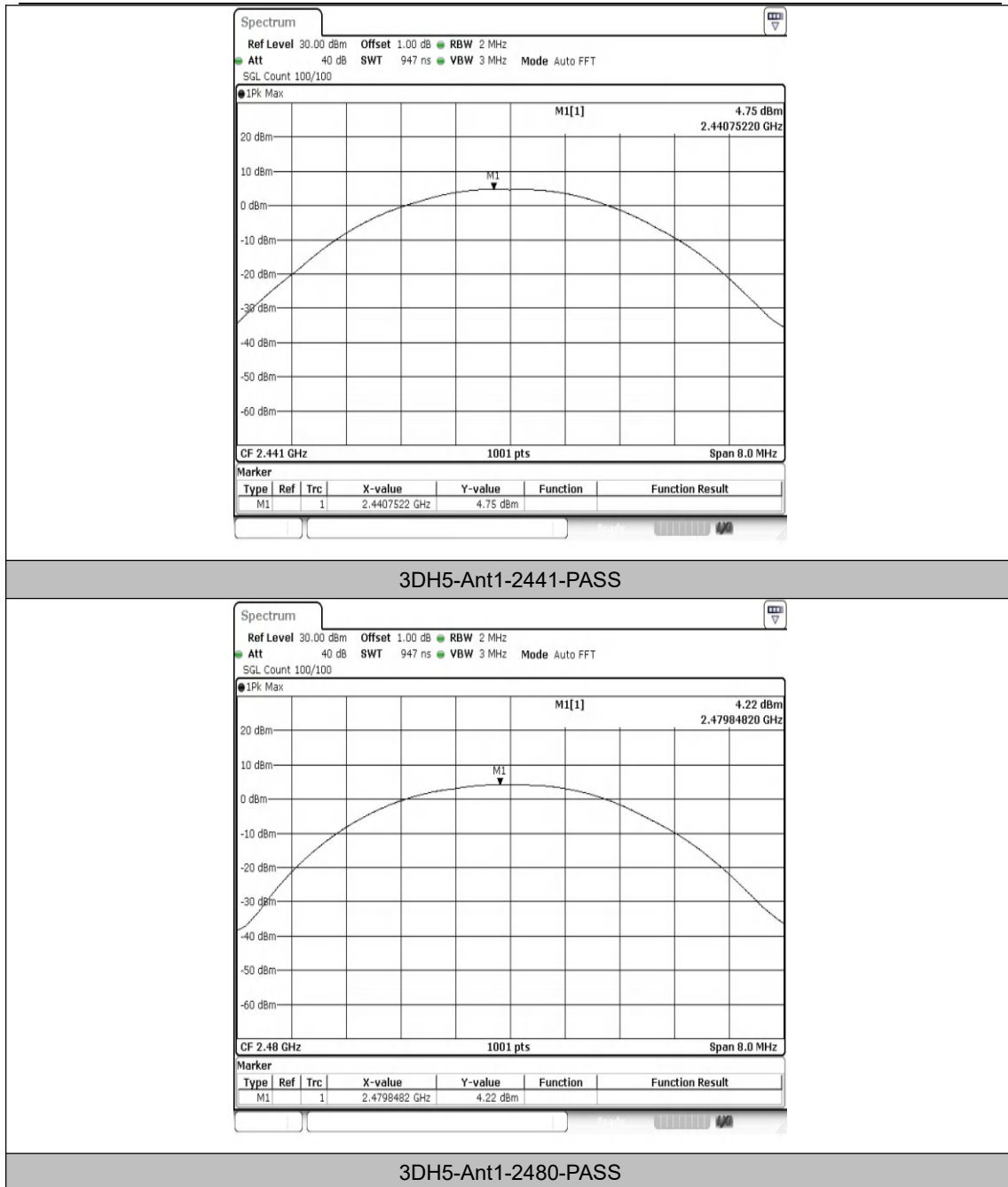
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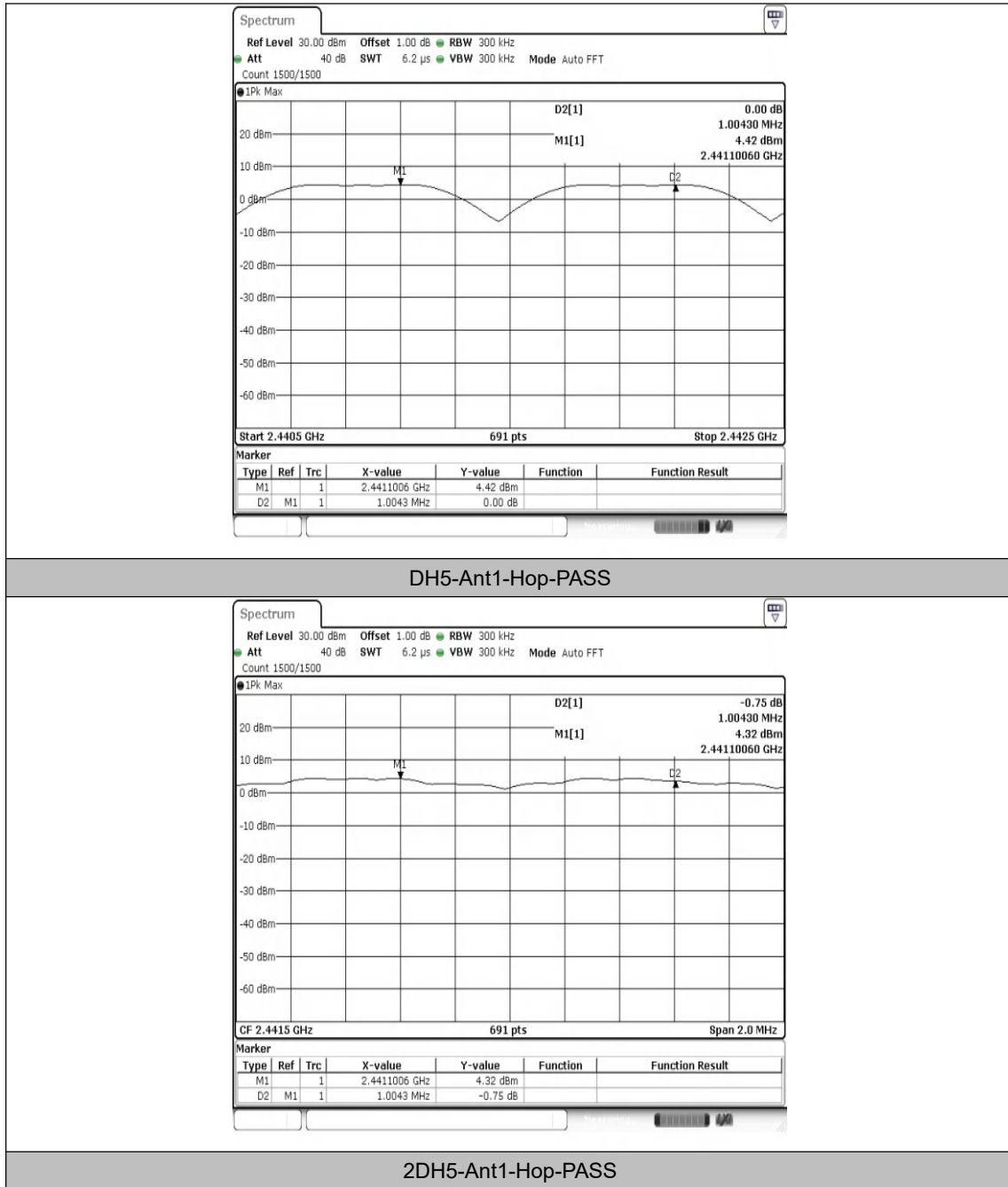
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥0.680	PASS
2DH5	Ant1	Hop	1.004	≥0.893	PASS
3DH5	Ant1	Hop	1.004	≥0.920	PASS

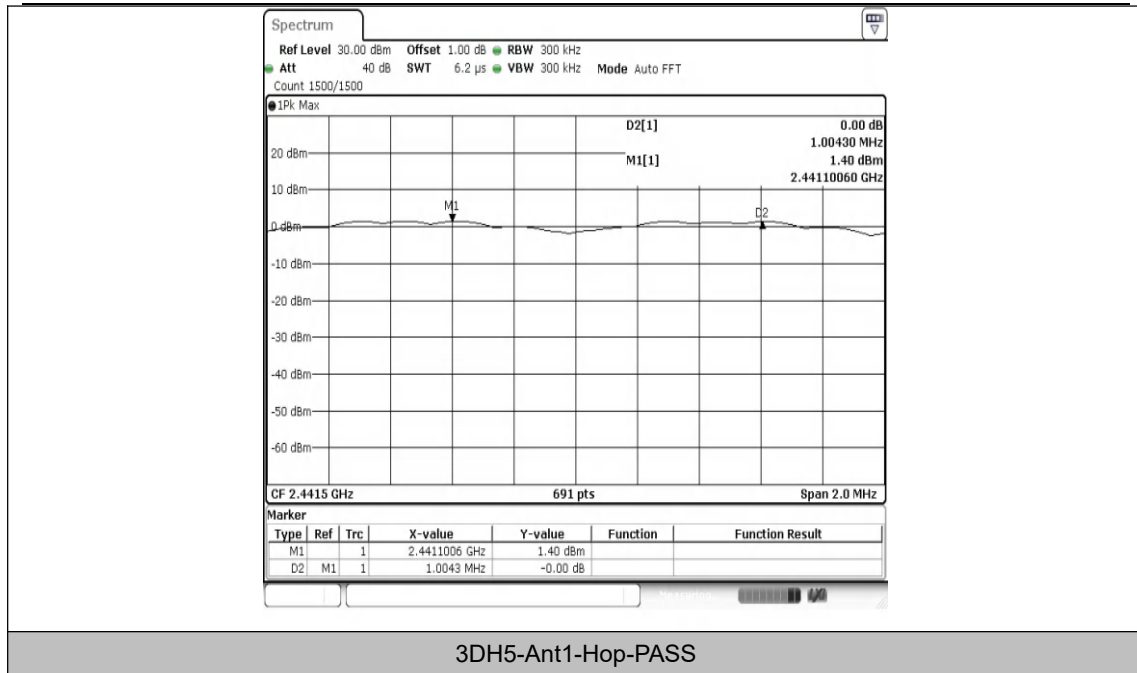
Test Graphs



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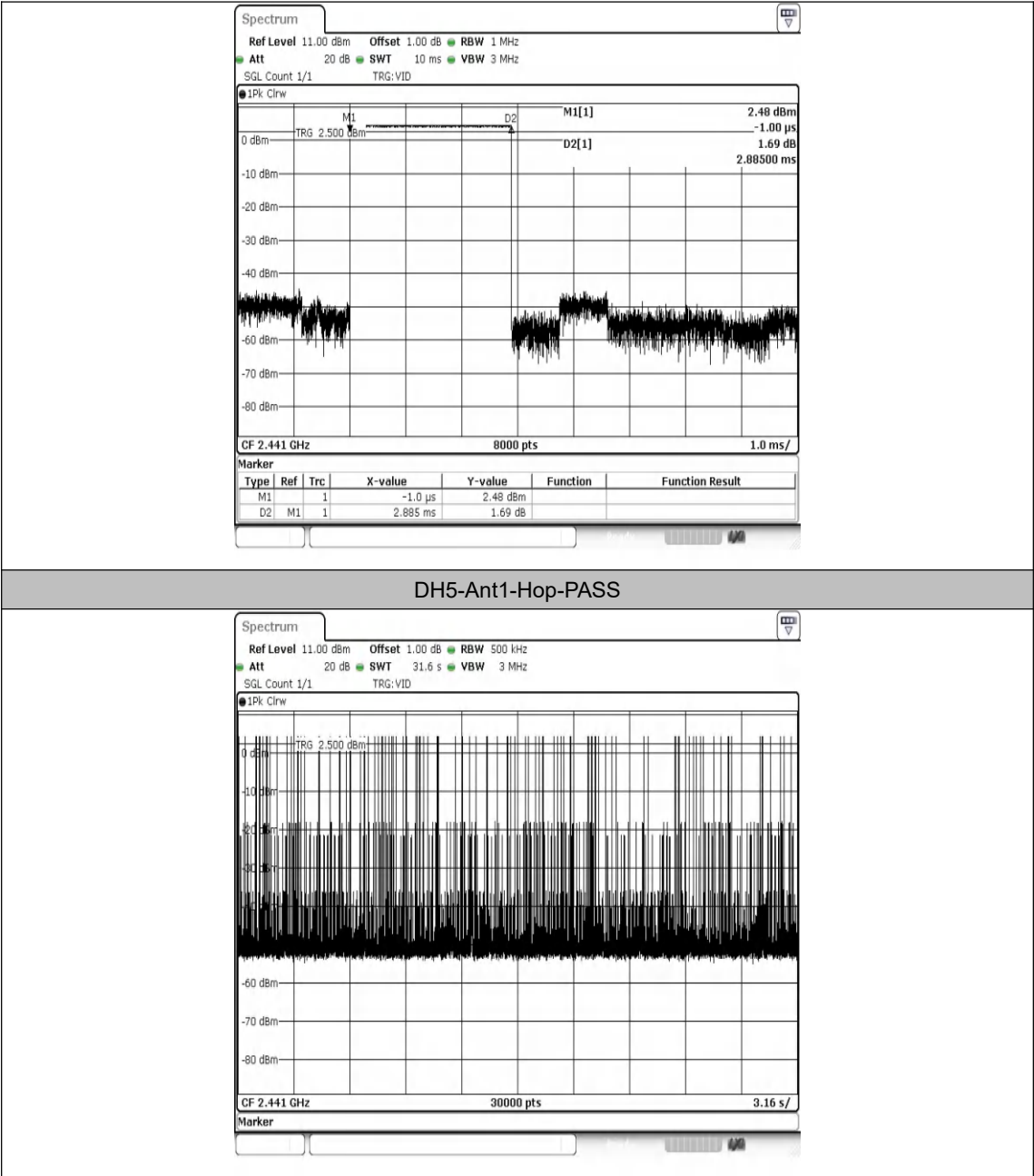
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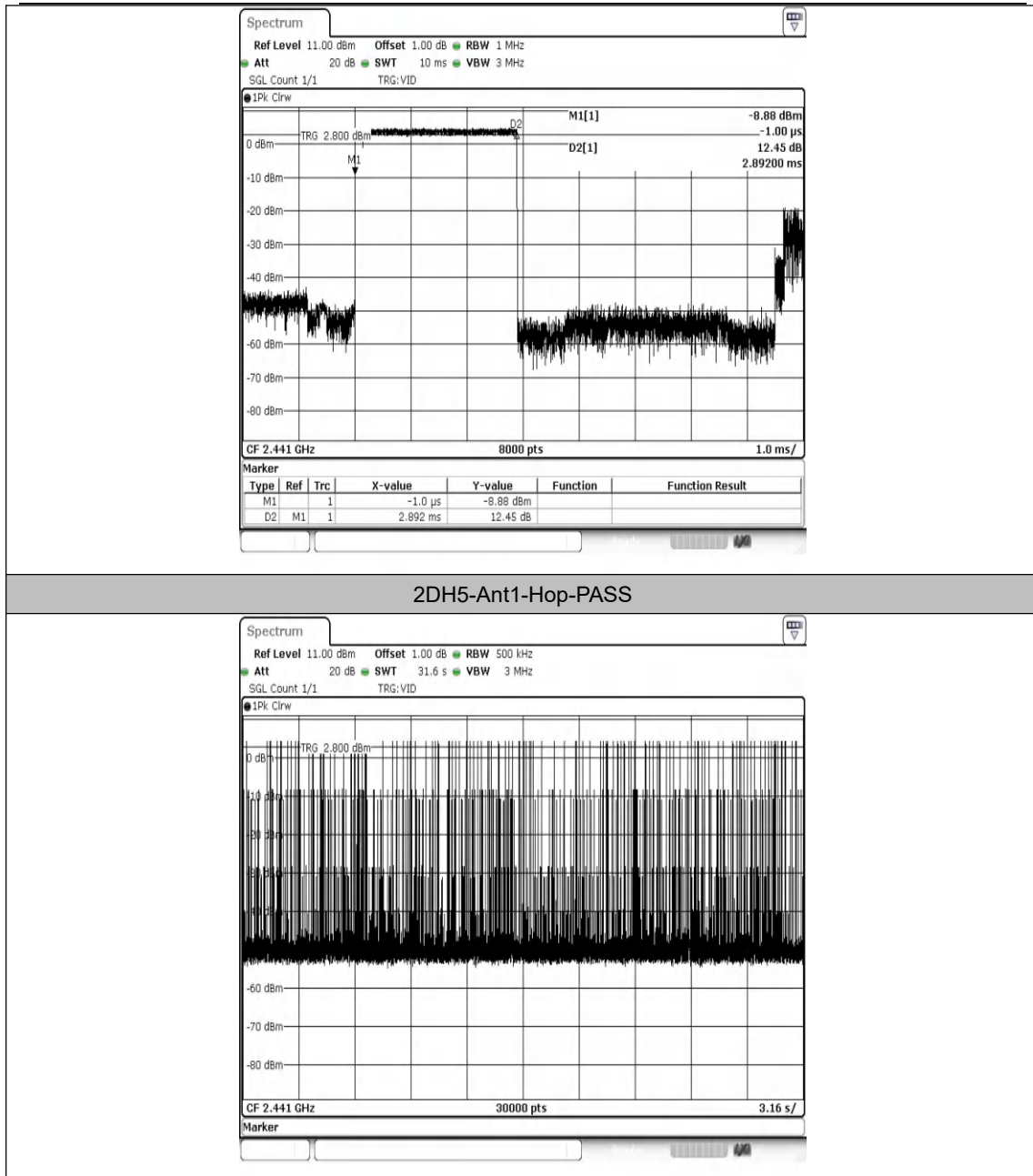
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	104	0.3	≤0.4	PASS
2DH5	Ant1	Hop	2.892	127	0.367	≤0.4	PASS
3DH5	Ant1	Hop	2.893	100	0.289	≤0.4	PASS

Test Graphs

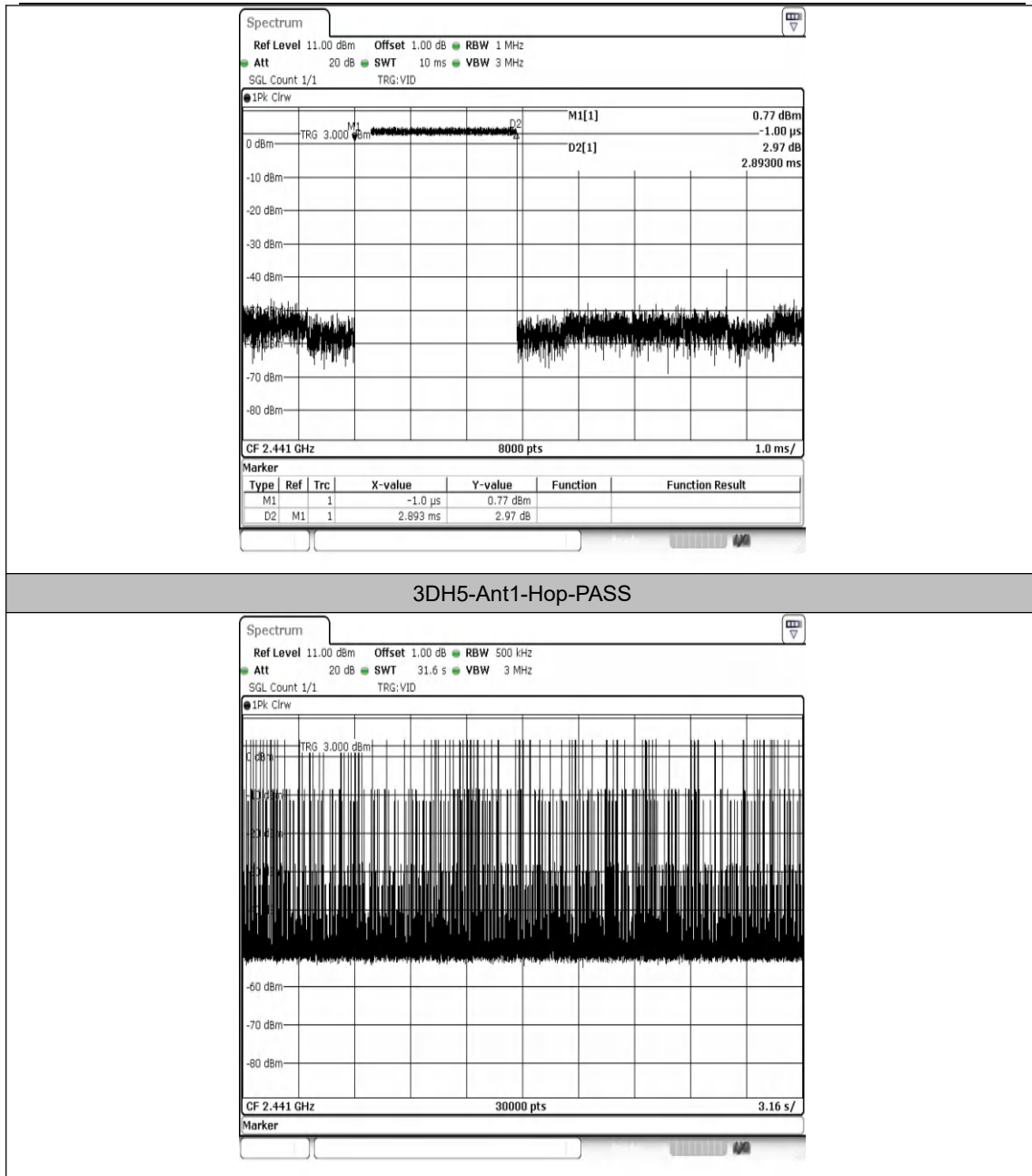




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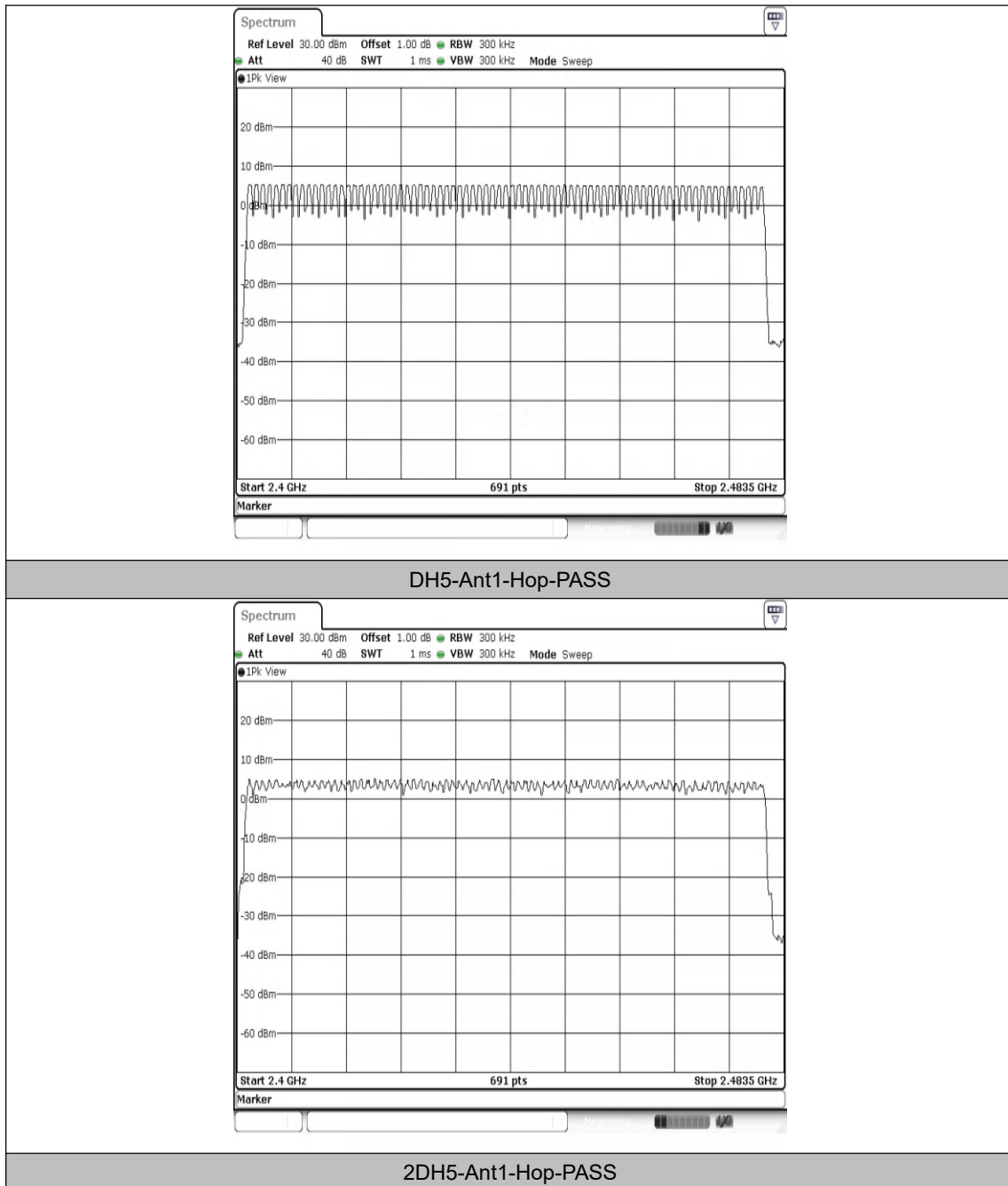
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Appendix F: Number of Hopping Channel

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

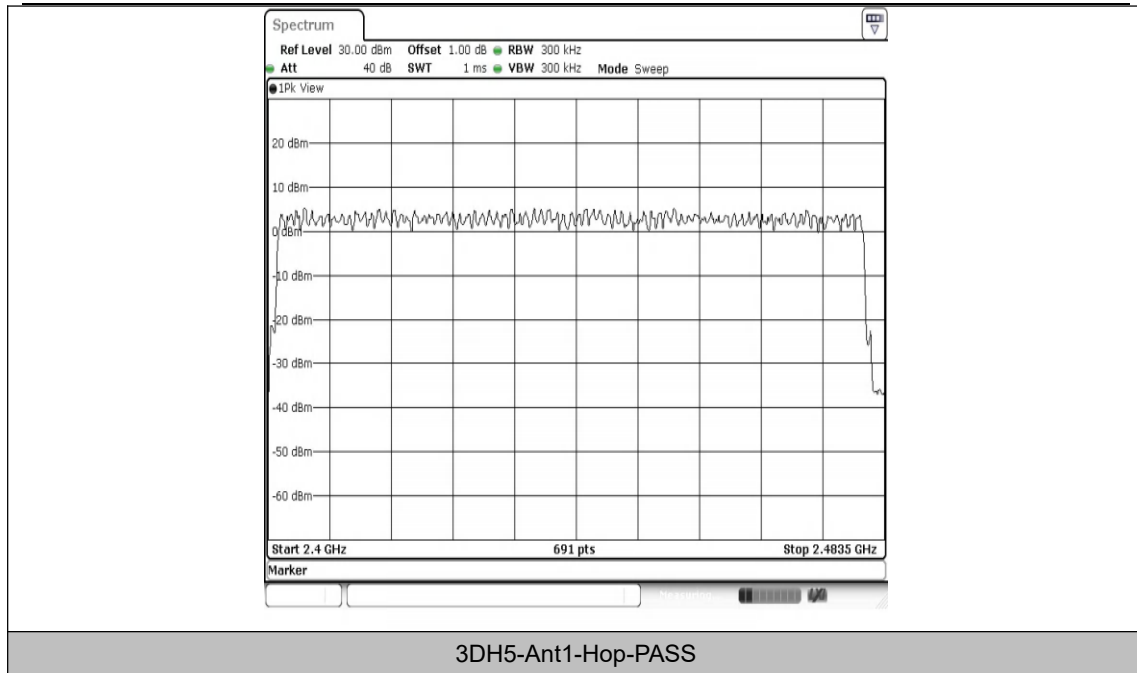
Test Graphs



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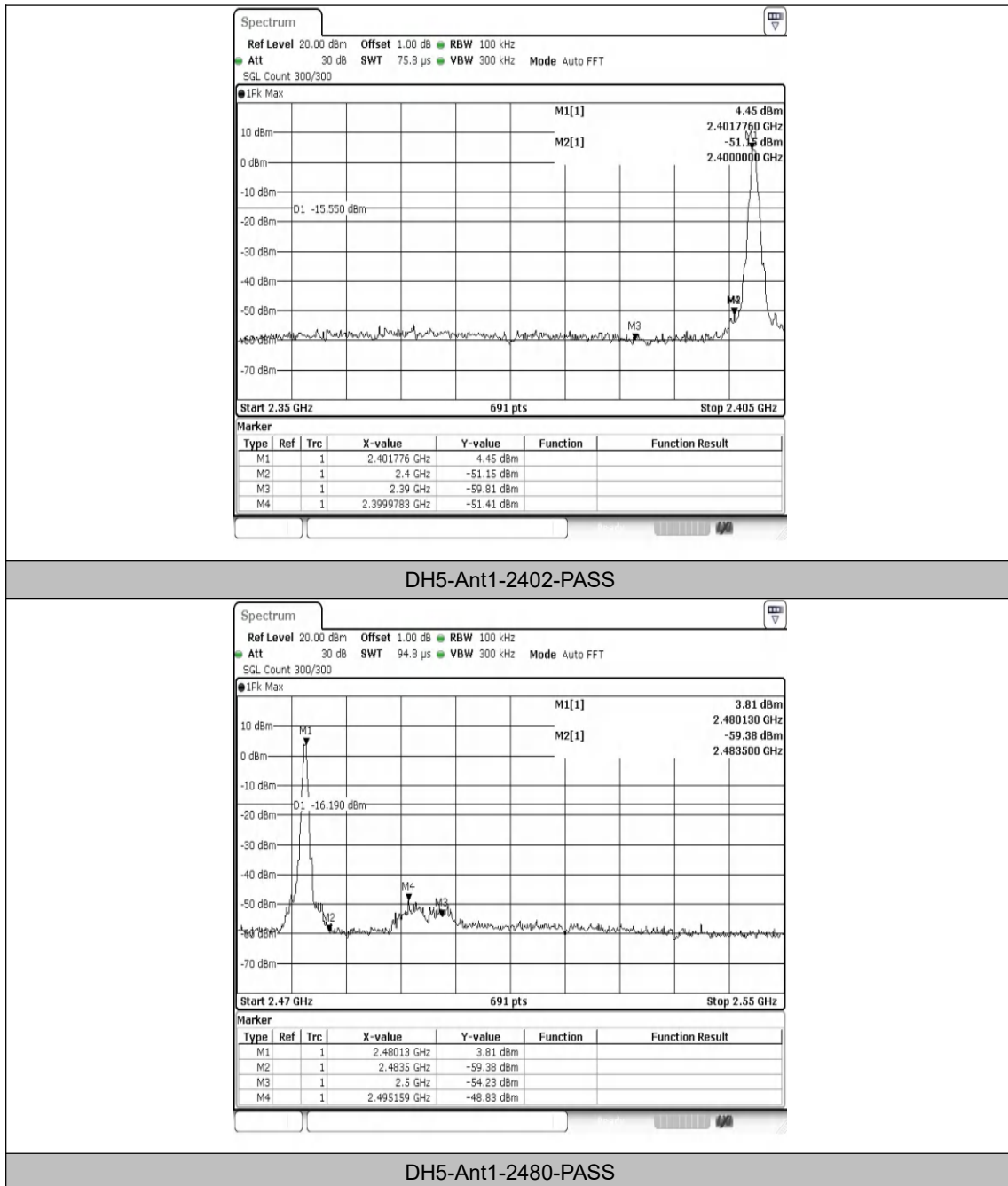
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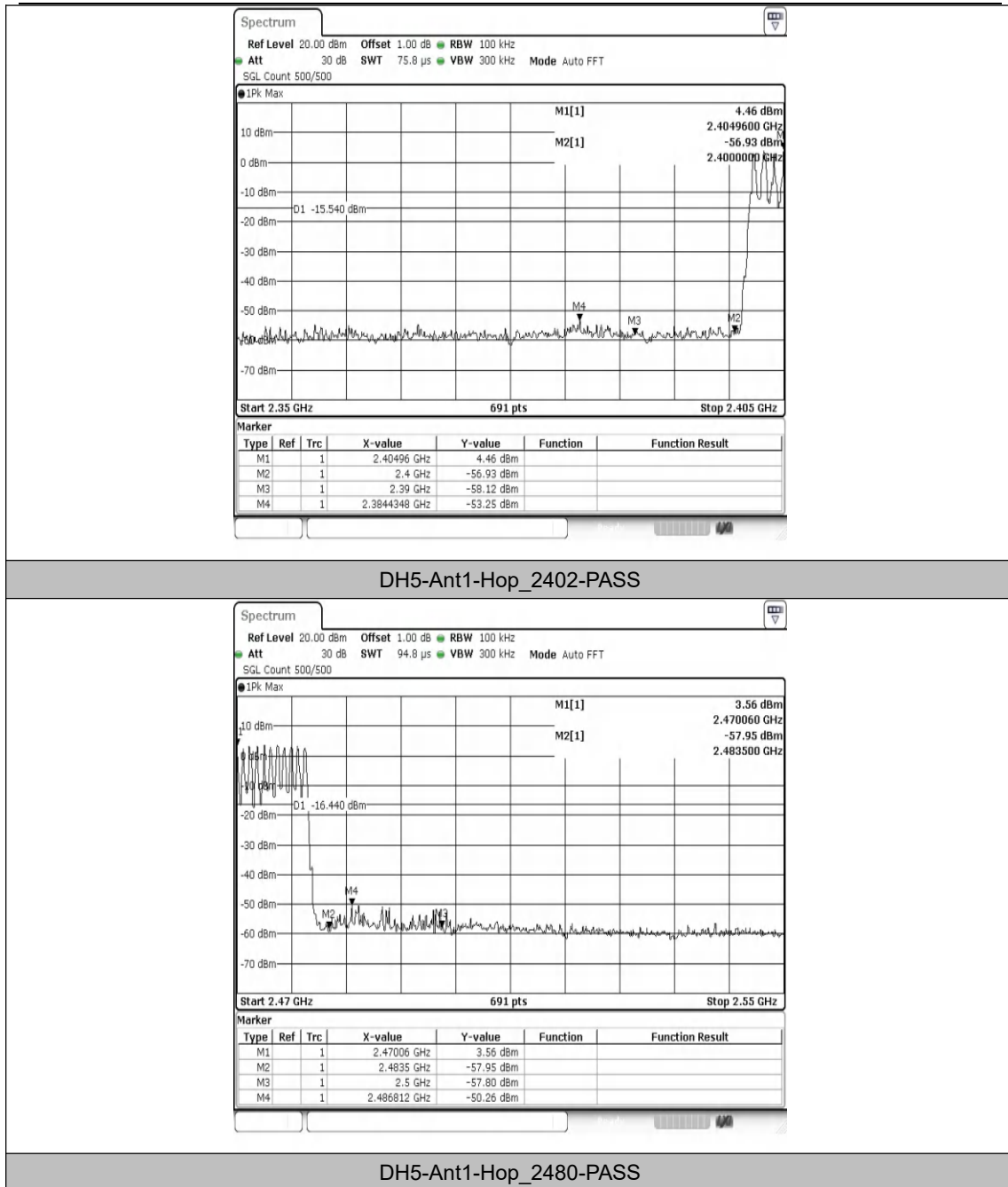
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.45	-51.41	≤-15.55	PASS
DH5	Ant1	High	2480	3.81	-48.83	≤-16.19	PASS
DH5	Ant1	Low	Hop_2402	4.46	-53.25	≤-15.54	PASS
DH5	Ant1	High	Hop_2480	3.56	-50.26	≤-16.44	PASS
2DH5	Ant1	Low	2402	4.57	-42.73	≤-15.43	PASS
2DH5	Ant1	High	2480	3.62	-53.85	≤-16.38	PASS
2DH5	Ant1	Low	Hop_2402	0.44	-48.36	≤-19.56	PASS
2DH5	Ant1	High	Hop_2480	0.80	-46.91	≤-19.2	PASS
3DH5	Ant1	Low	2402	4.43	-44.37	≤-15.57	PASS
3DH5	Ant1	High	2480	3.95	-49.6	≤-16.05	PASS
3DH5	Ant1	Low	Hop_2402	1.21	-47.13	≤-18.79	PASS
3DH5	Ant1	High	Hop_2480	0.81	-52.74	≤-19.19	PASS

Test Graphs

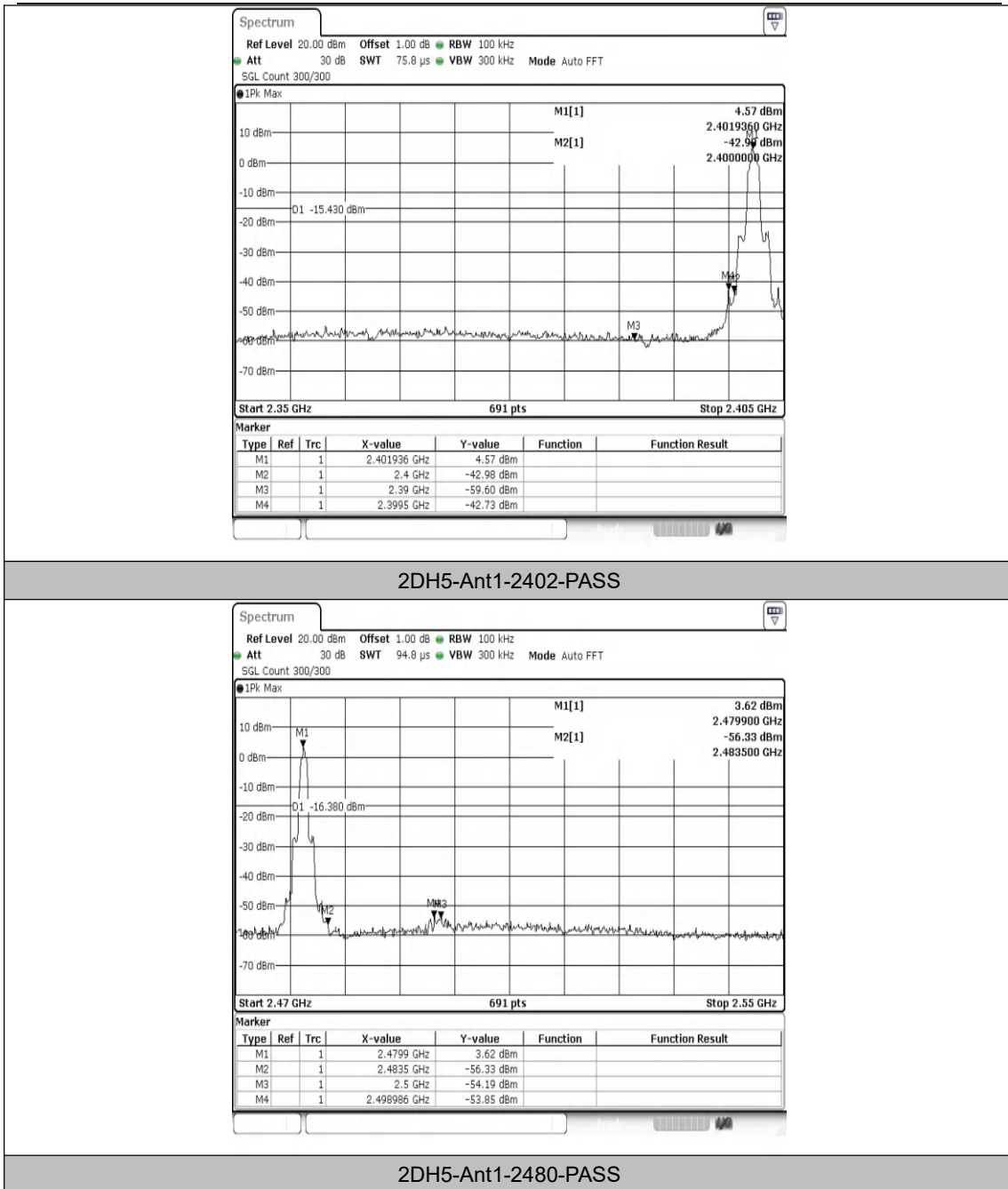




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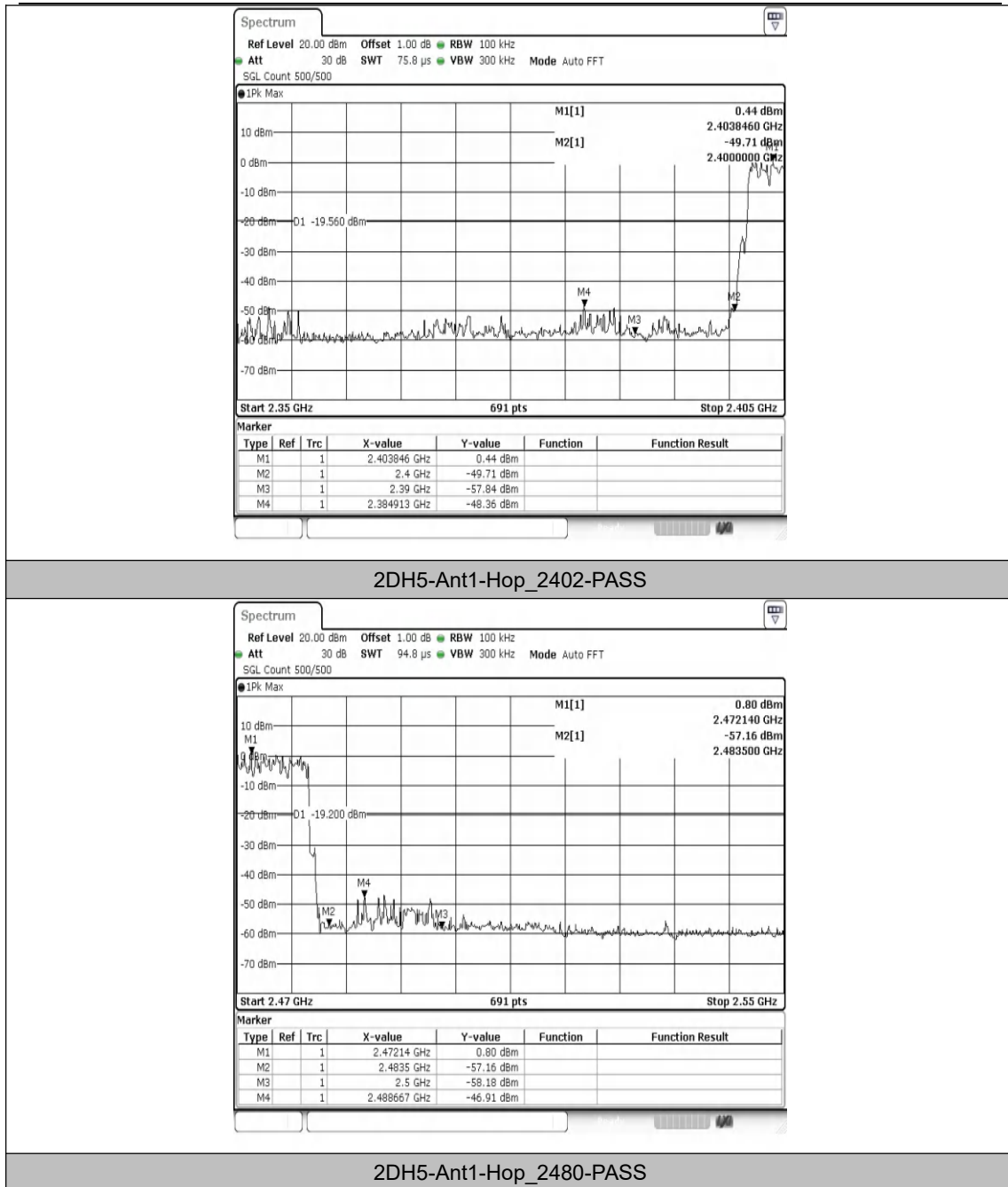
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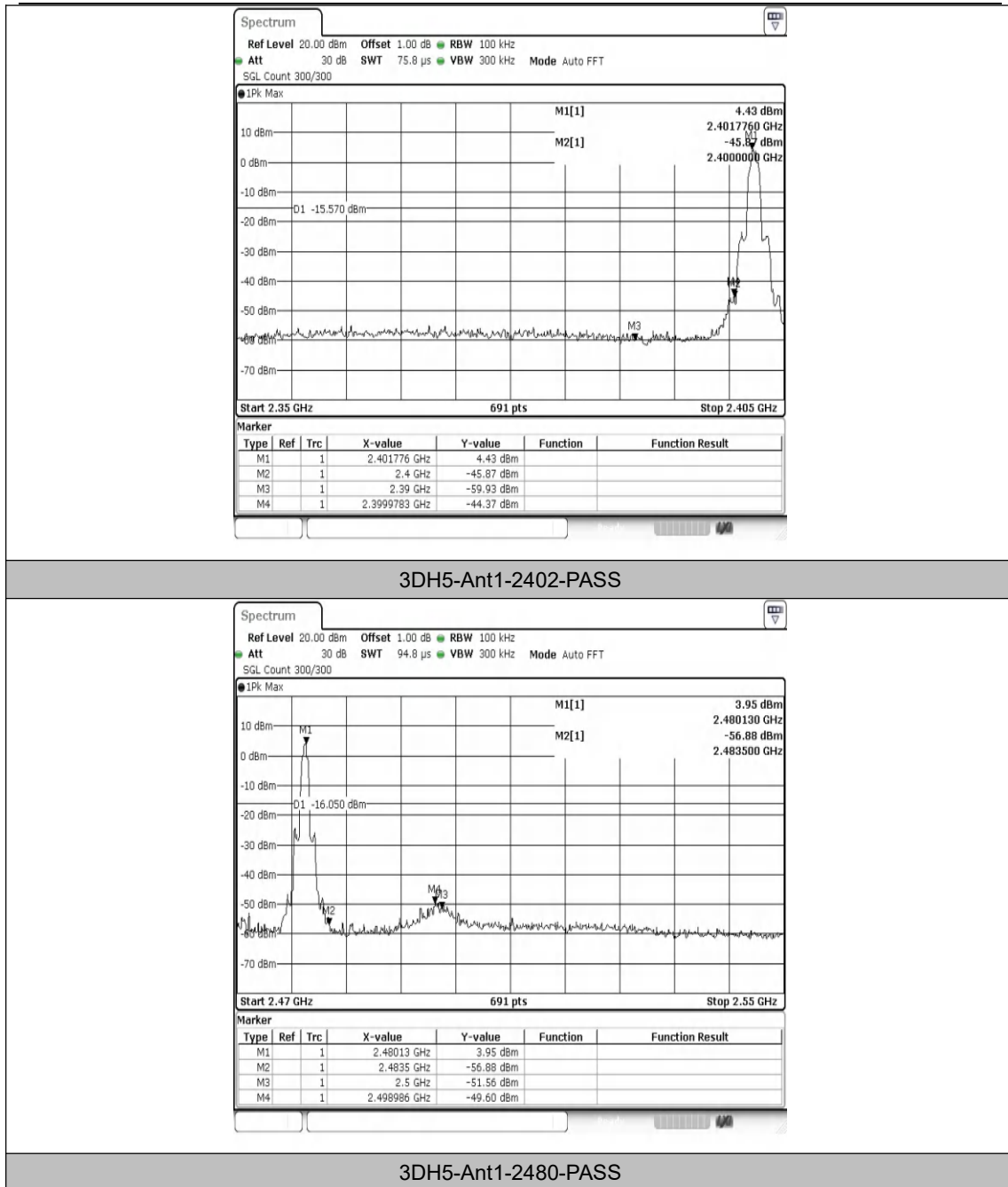


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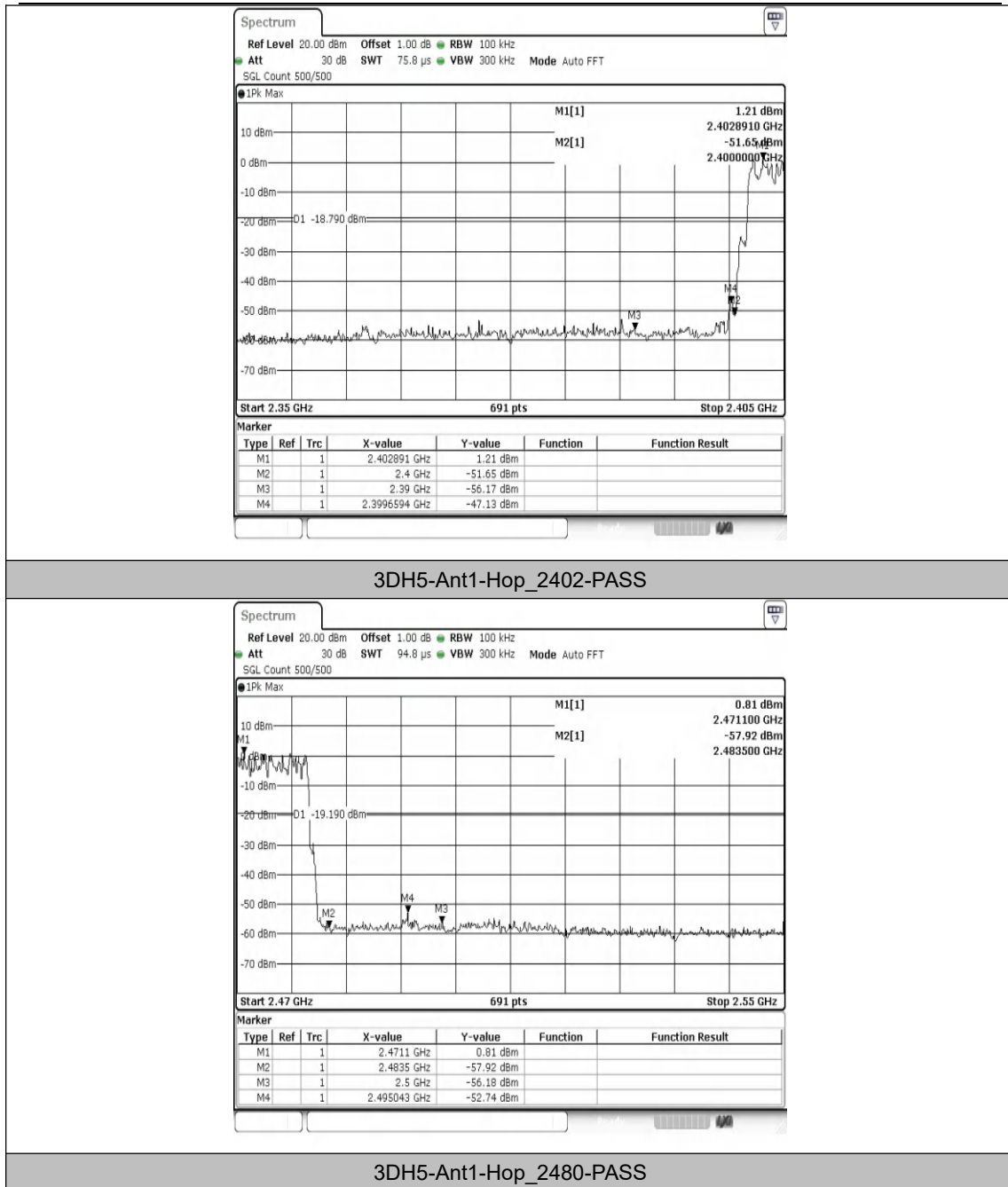




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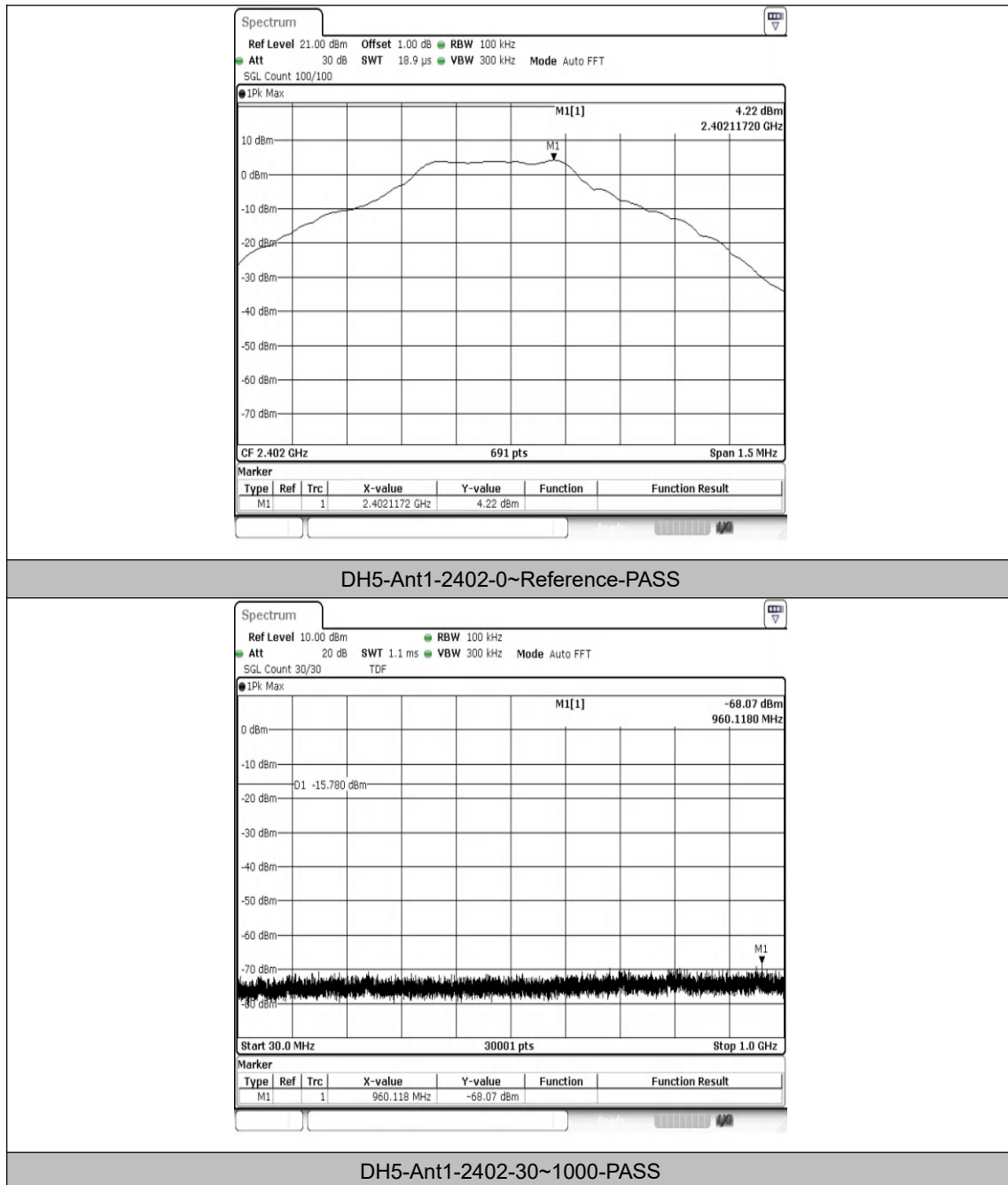
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.22	4.22	---	PASS
DH5	Ant1	2402	30~1000	4.22	-68.07	≤-15.78	PASS
DH5	Ant1	2402	1000~26500	4.22	-40.65	≤-15.78	PASS
DH5	Ant1	2441	0~Reference	3.97	3.97	---	PASS
DH5	Ant1	2441	30~1000	3.97	-66.88	≤-16.03	PASS
DH5	Ant1	2441	1000~26500	3.97	-37.33	≤-16.03	PASS
DH5	Ant1	2480	0~Reference	3.52	3.52	---	PASS
DH5	Ant1	2480	30~1000	3.52	-67.46	≤-16.48	PASS
DH5	Ant1	2480	1000~26500	3.52	-40.08	≤-16.48	PASS
2DH5	Ant1	2402	0~Reference	4.53	4.53	---	PASS
2DH5	Ant1	2402	30~1000	4.53	-66.94	≤-15.47	PASS
2DH5	Ant1	2402	1000~26500	4.53	-42.72	≤-15.47	PASS
2DH5	Ant1	2441	0~Reference	4.23	4.23	---	PASS
2DH5	Ant1	2441	30~1000	4.23	-68.16	≤-15.77	PASS
2DH5	Ant1	2441	1000~26500	4.23	-37.75	≤-15.77	PASS
2DH5	Ant1	2480	0~Reference	1.15	1.15	---	PASS
2DH5	Ant1	2480	30~1000	1.15	-68.59	≤-18.85	PASS
2DH5	Ant1	2480	1000~26500	1.15	-40.48	≤-18.85	PASS
3DH5	Ant1	2402	0~Reference	4.22	4.22	---	PASS
3DH5	Ant1	2402	30~1000	4.22	-66.95	≤-15.78	PASS
3DH5	Ant1	2402	1000~26500	4.22	-41.47	≤-15.78	PASS
3DH5	Ant1	2441	0~Reference	4.04	4.04	---	PASS
3DH5	Ant1	2441	30~1000	4.04	-68.21	≤-15.96	PASS
3DH5	Ant1	2441	1000~26500	4.04	-39.97	≤-15.96	PASS
3DH5	Ant1	2480	0~Reference	3.91	3.91	---	PASS
3DH5	Ant1	2480	30~1000	3.91	-67.85	≤-16.09	PASS
3DH5	Ant1	2480	1000~26500	3.91	-40.33	≤-16.09	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.

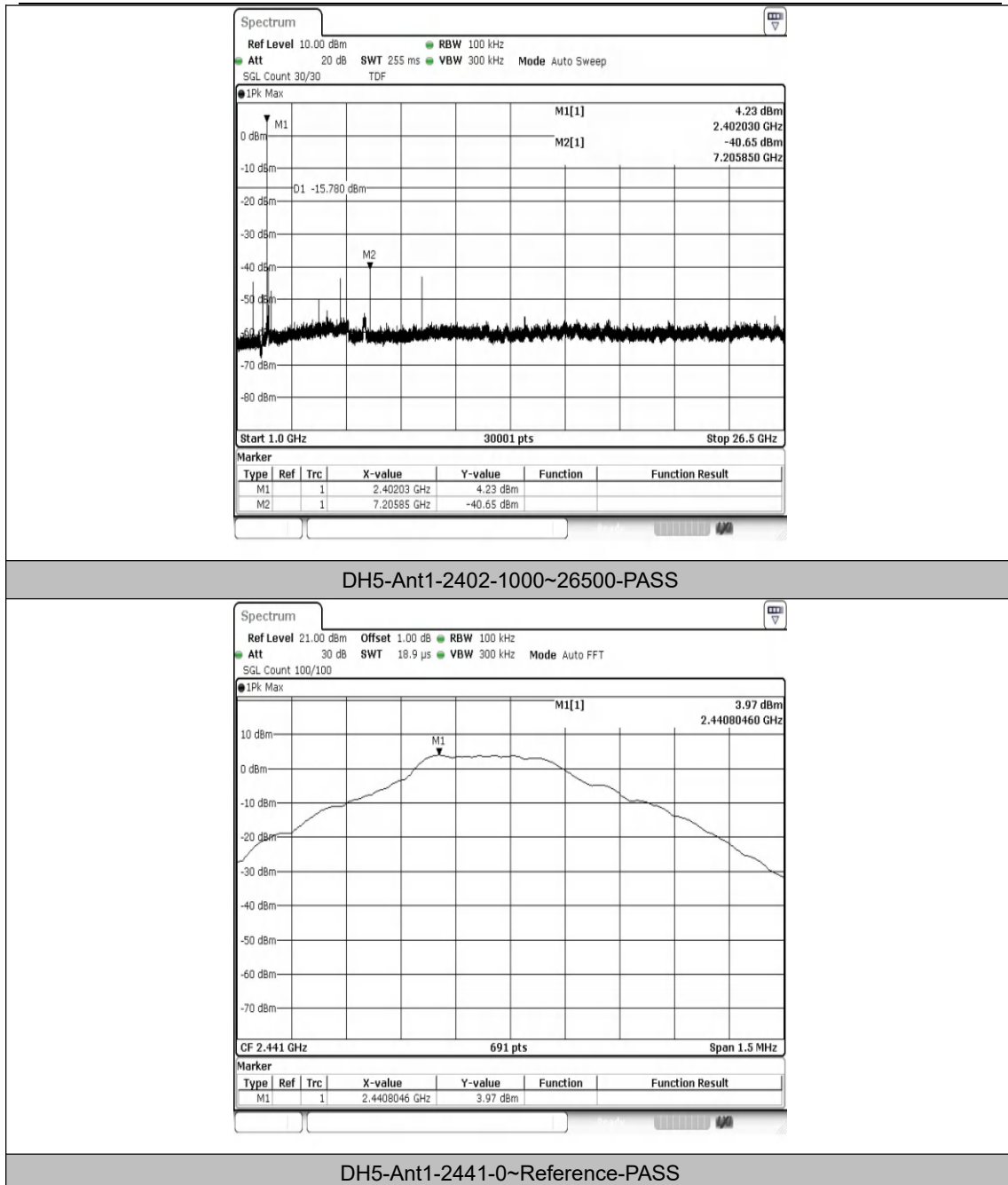
Test Graphs

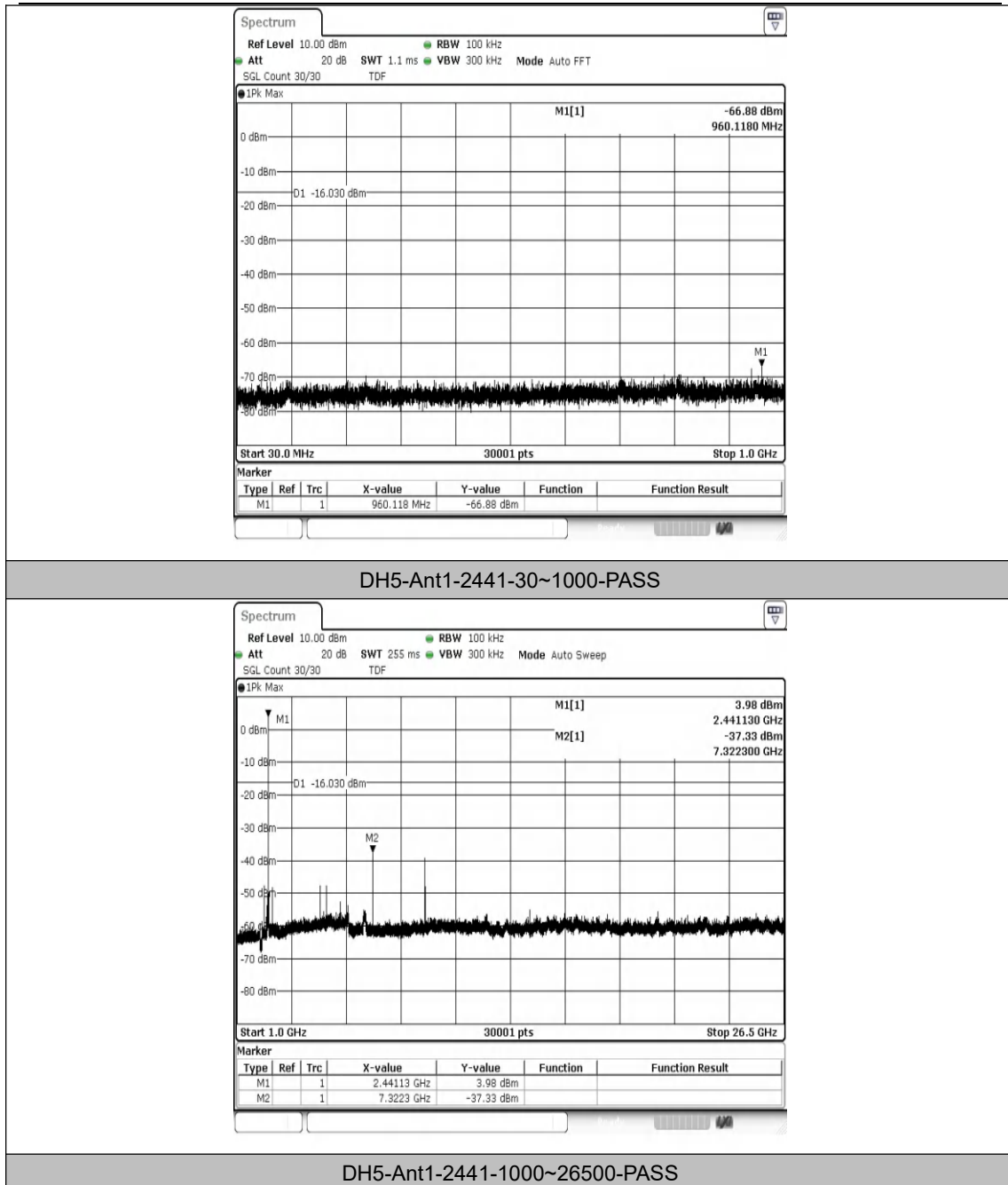


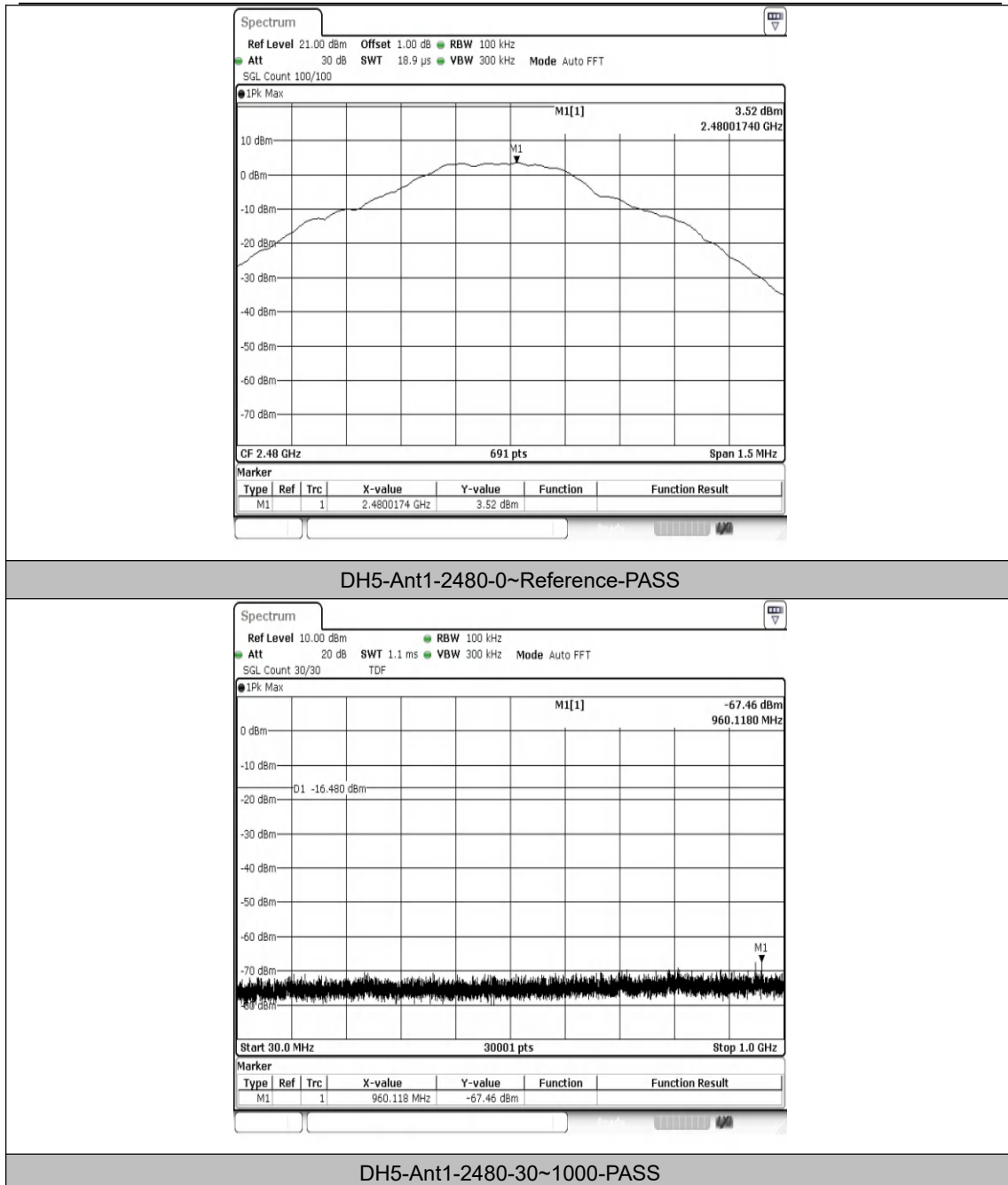
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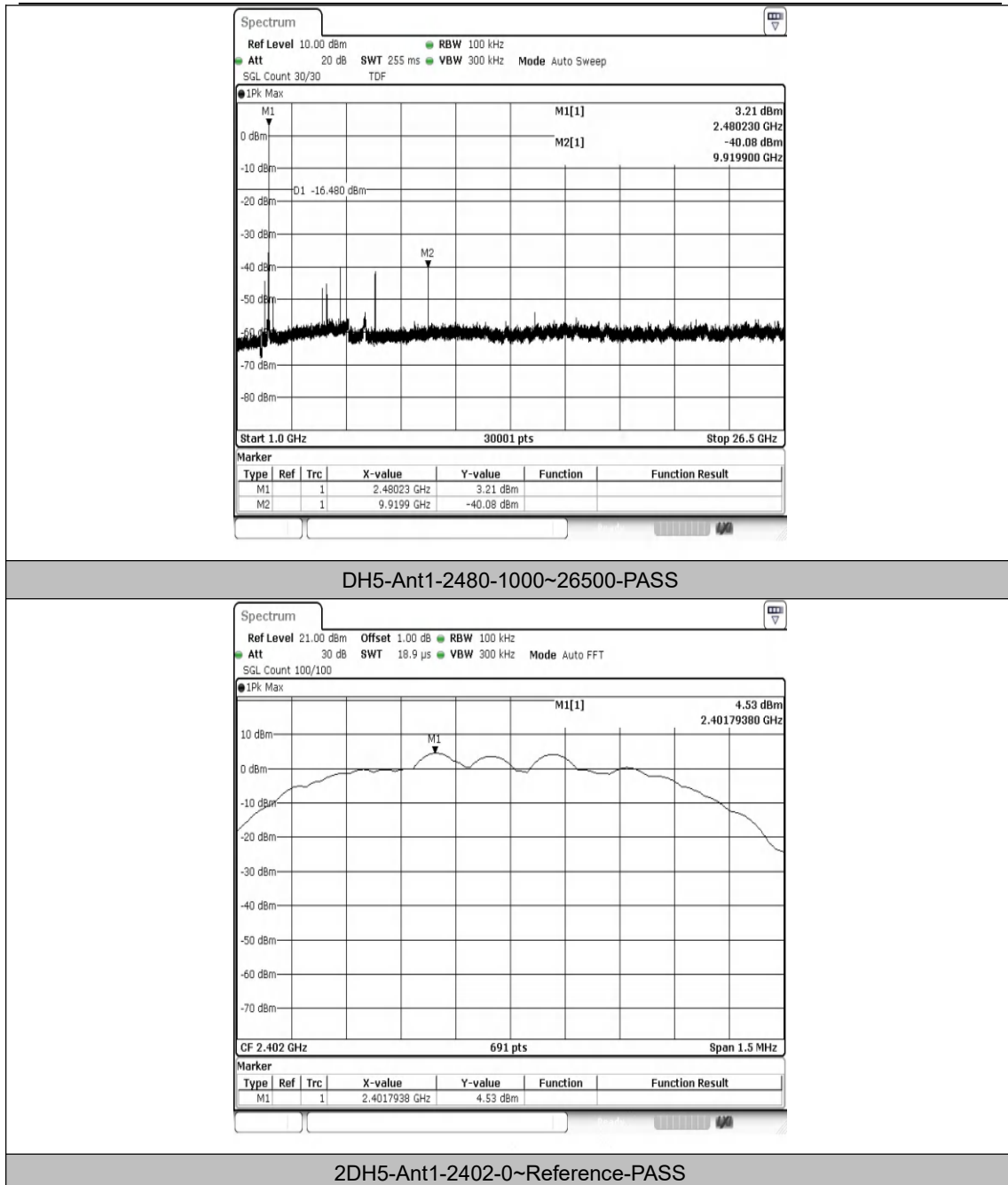


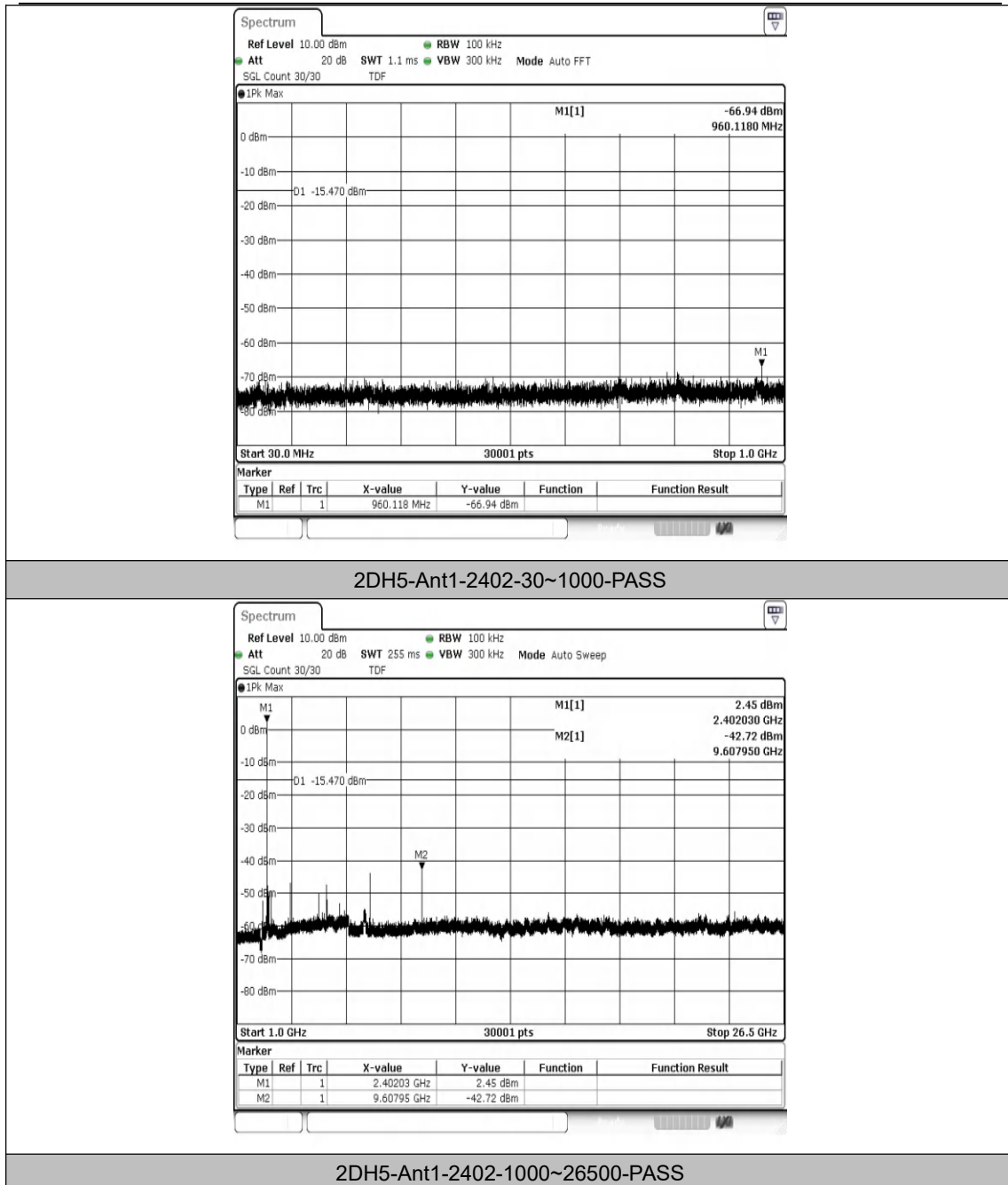


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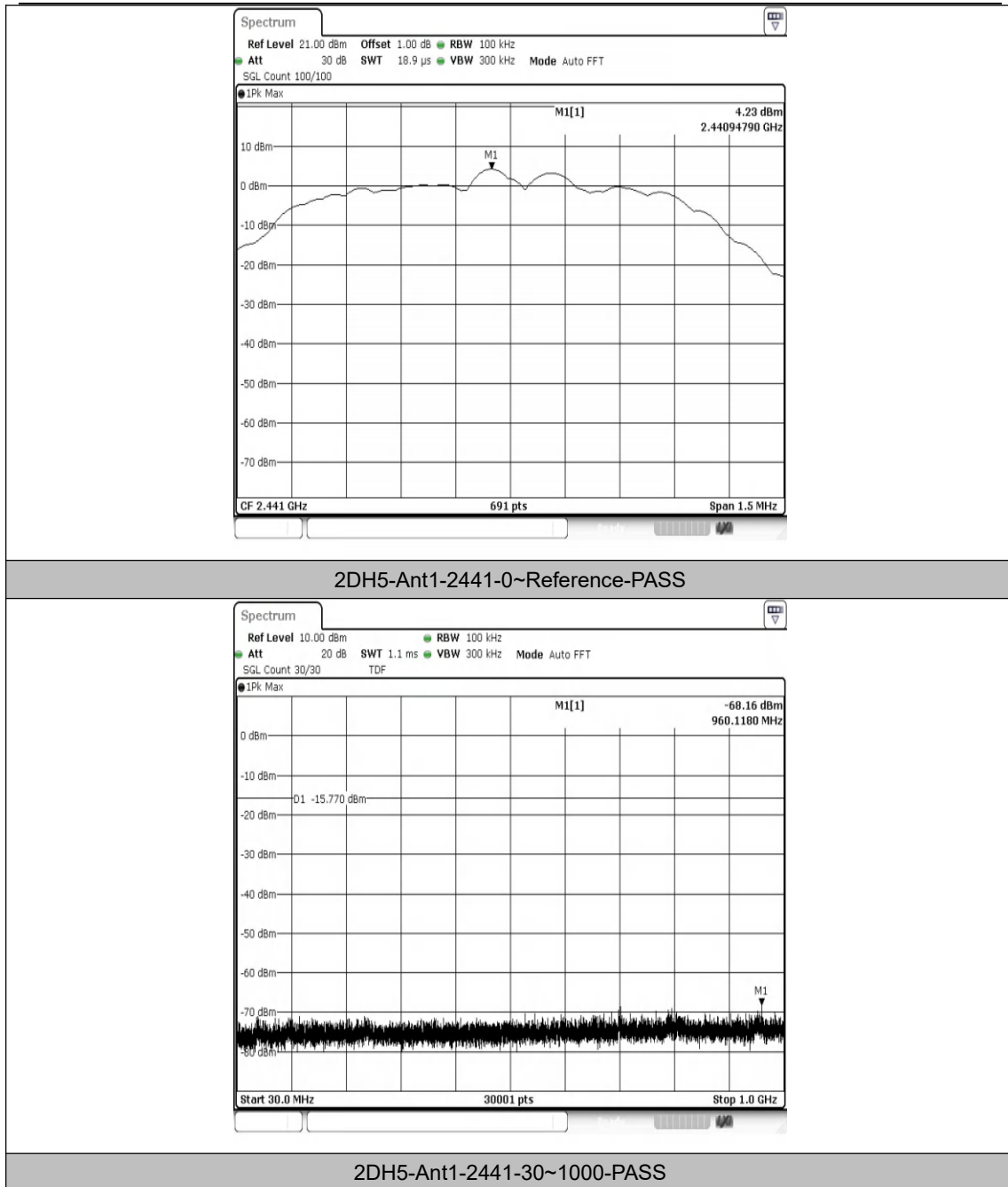




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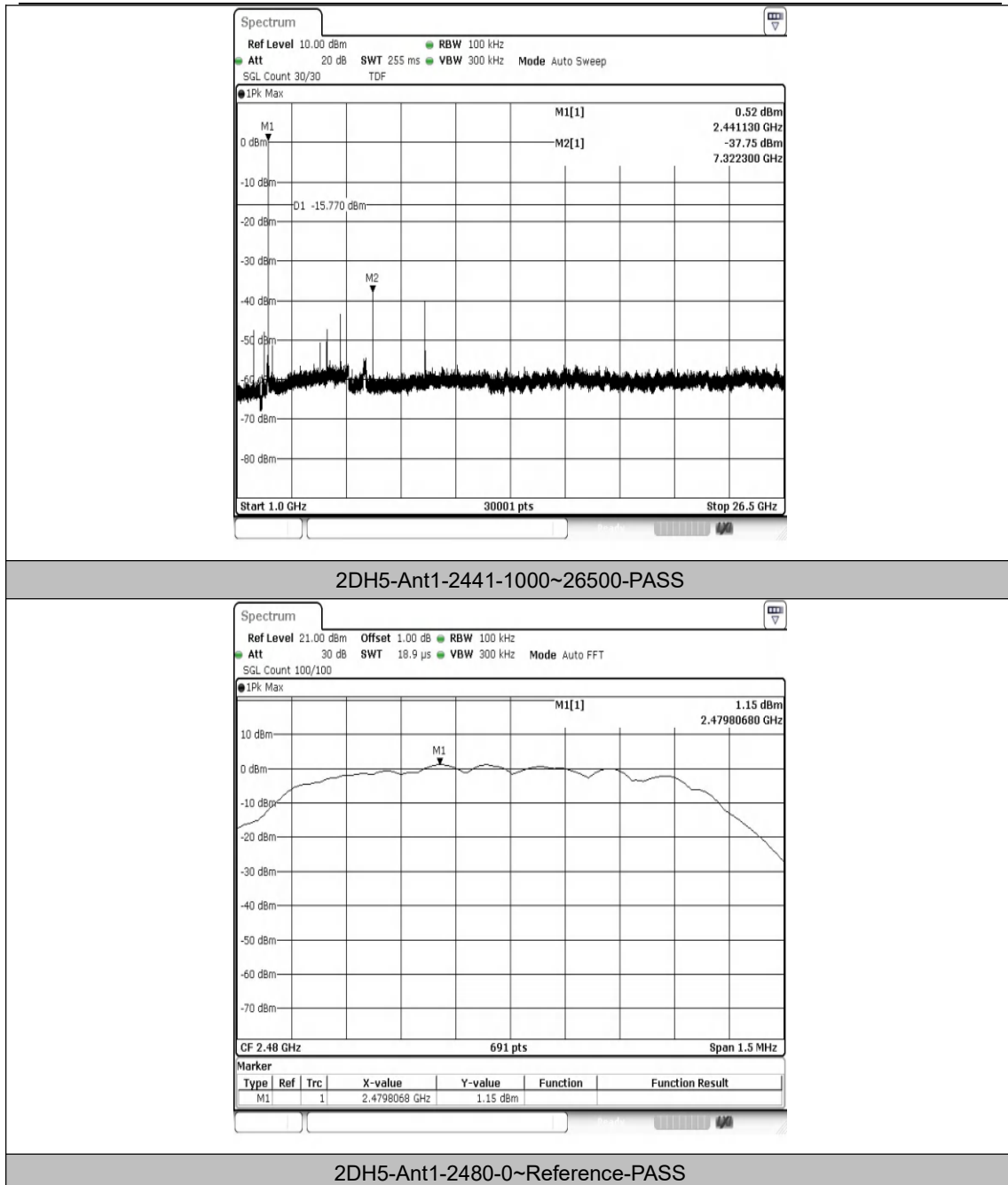
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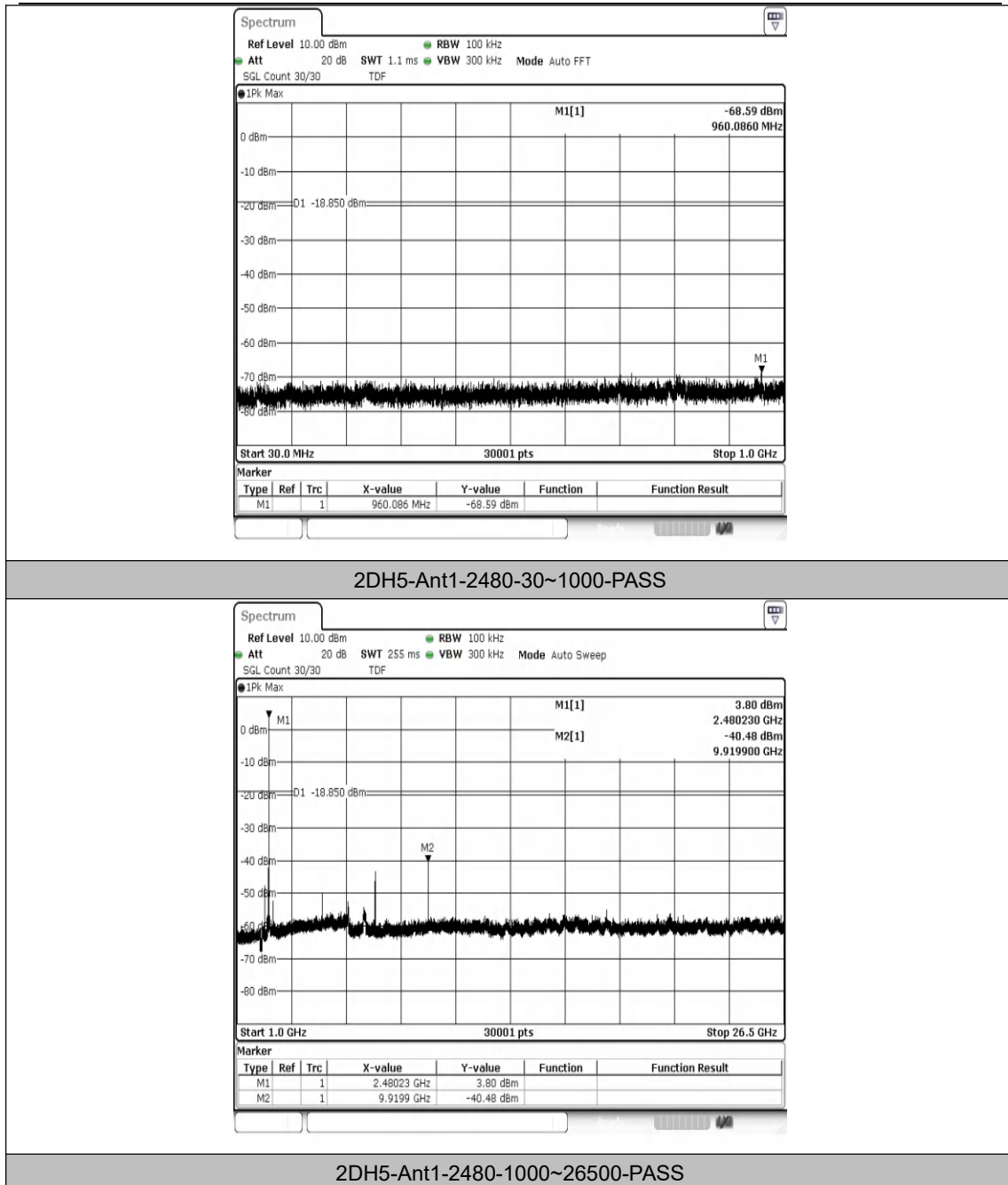
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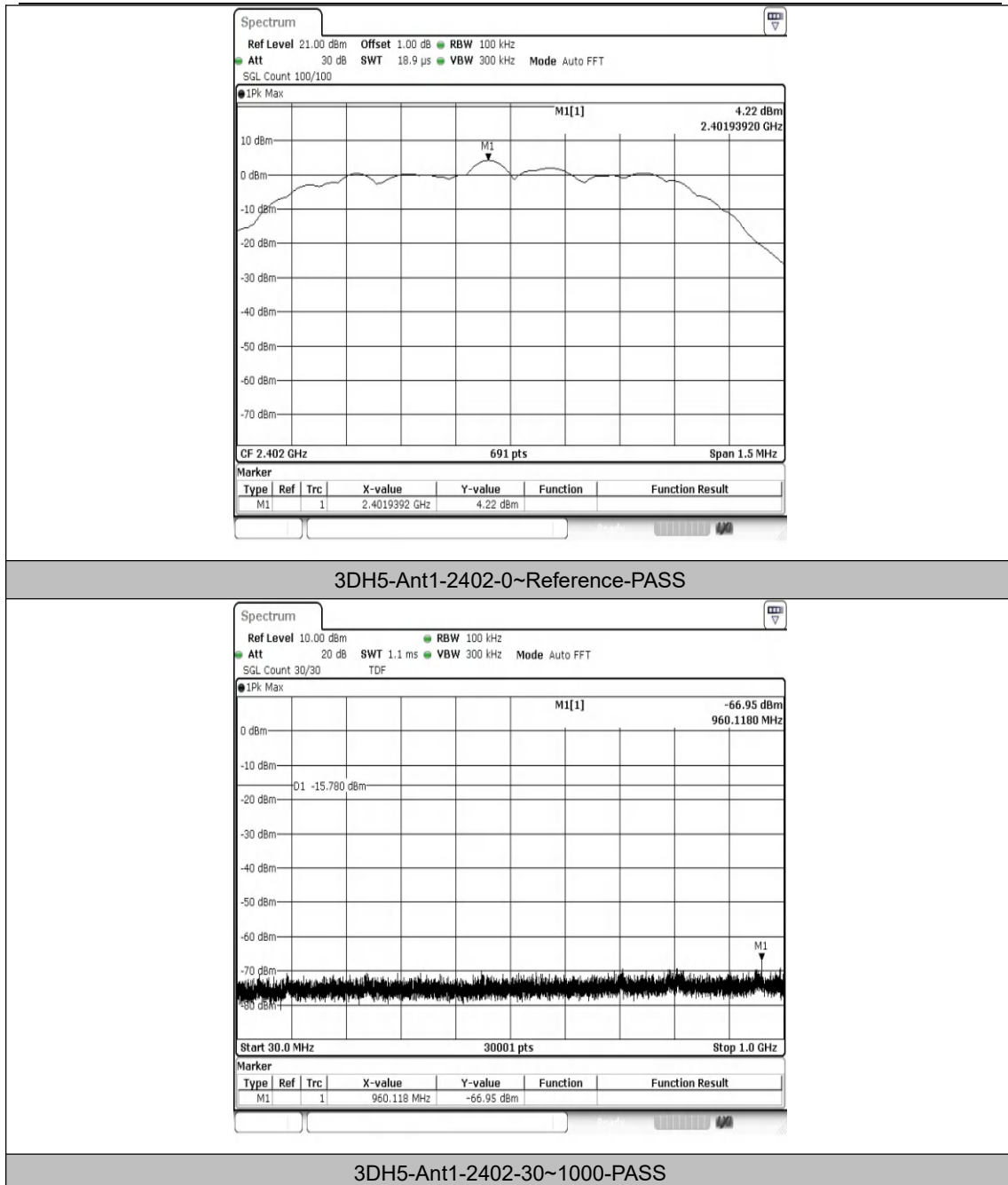
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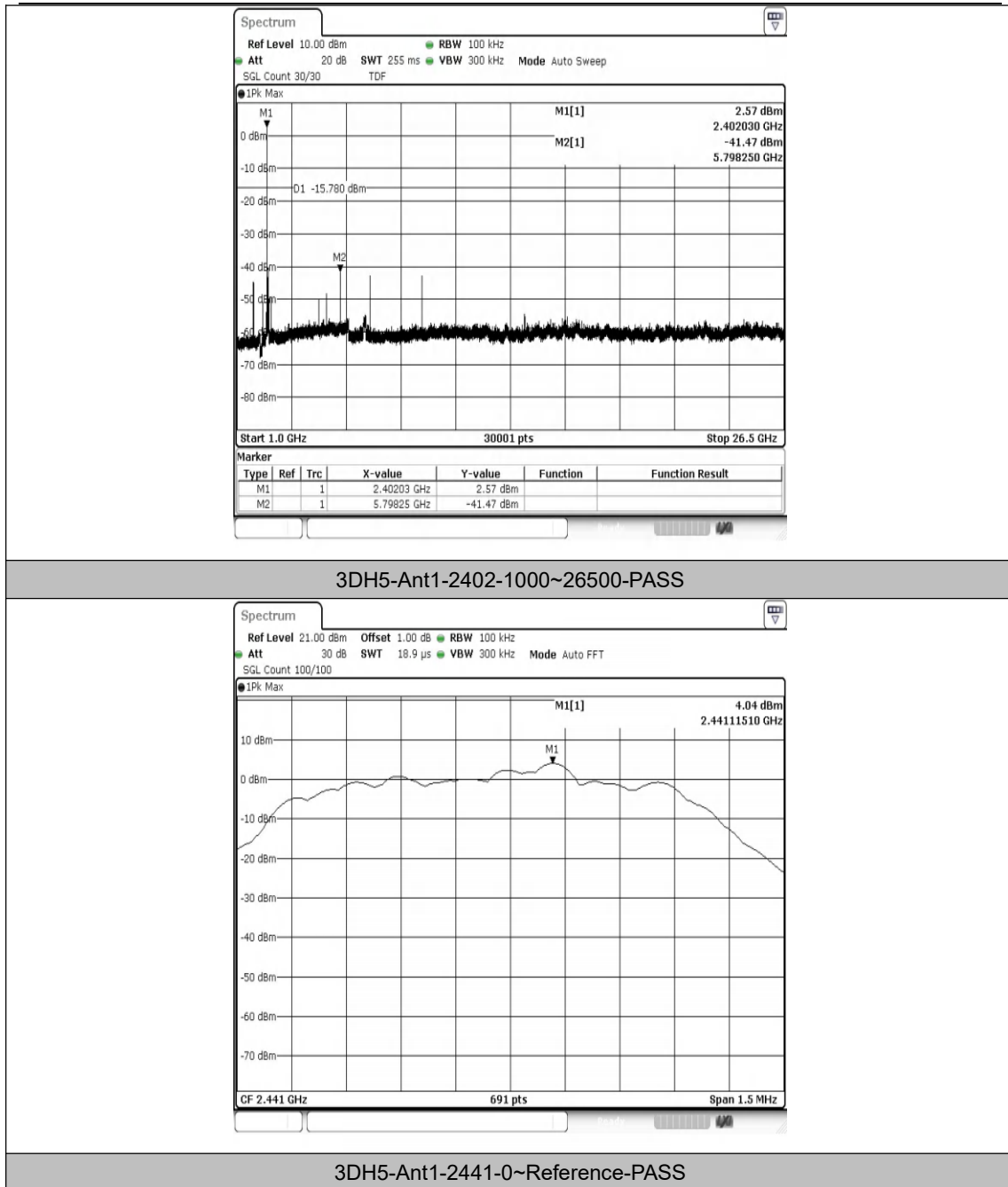
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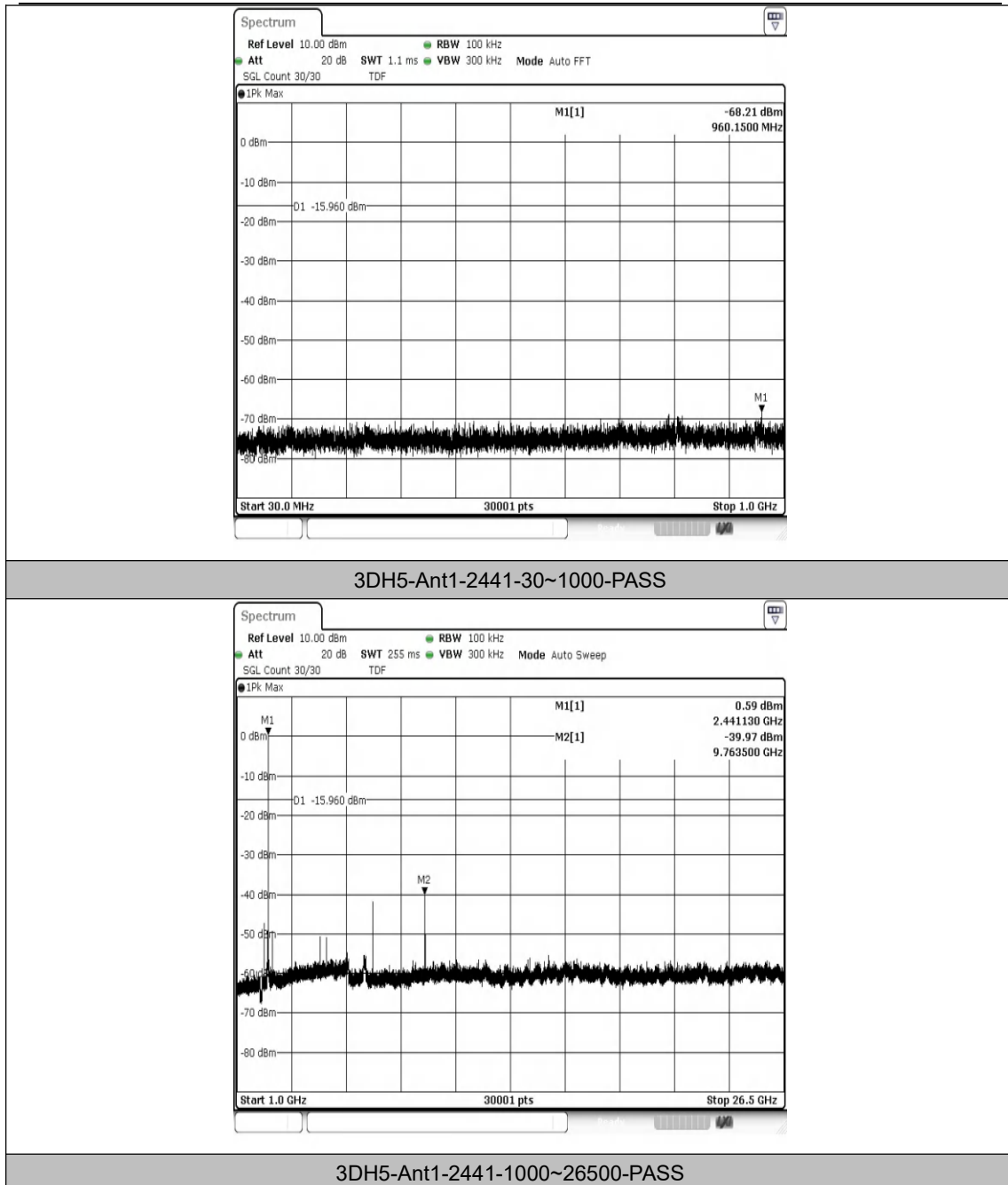
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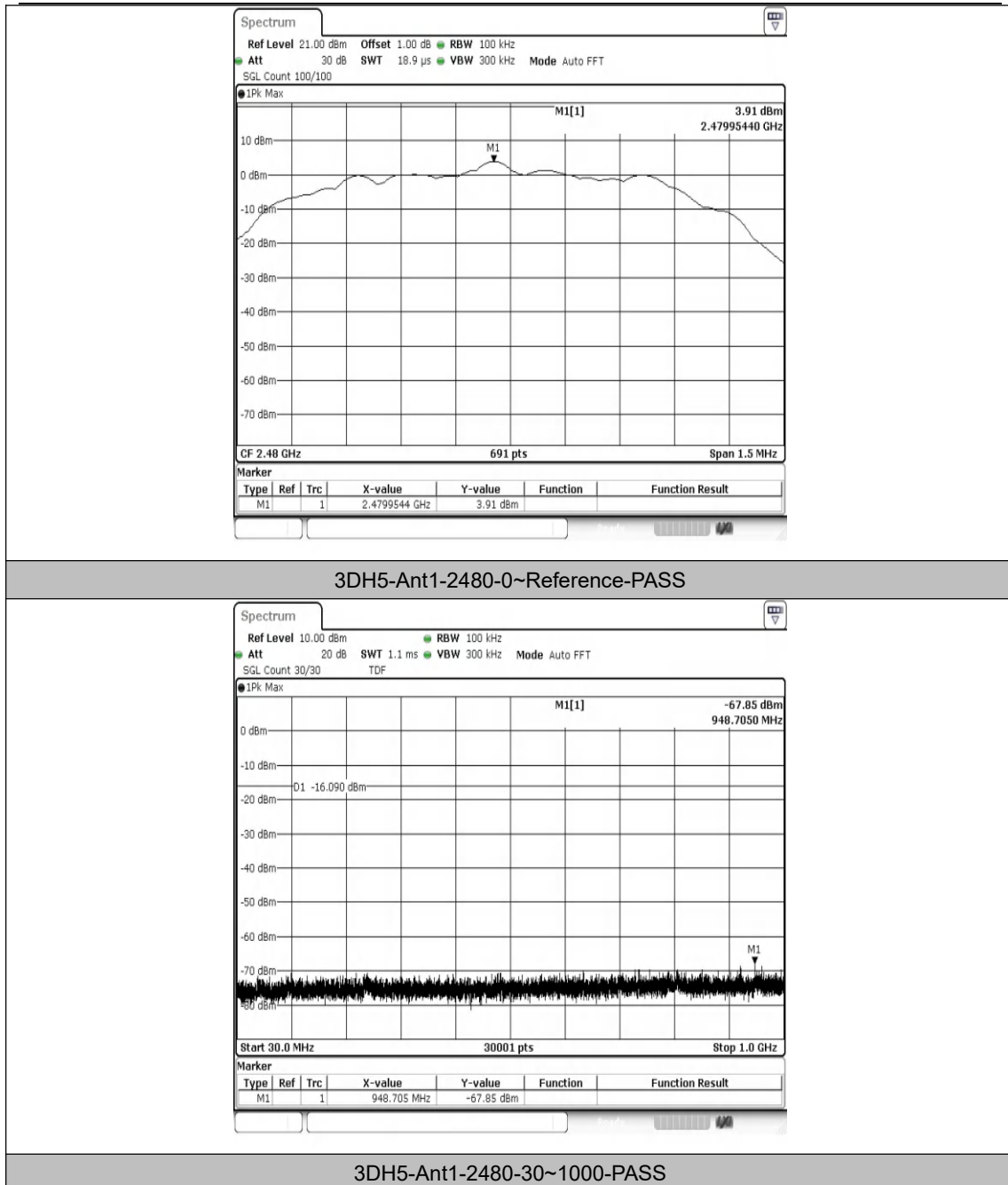
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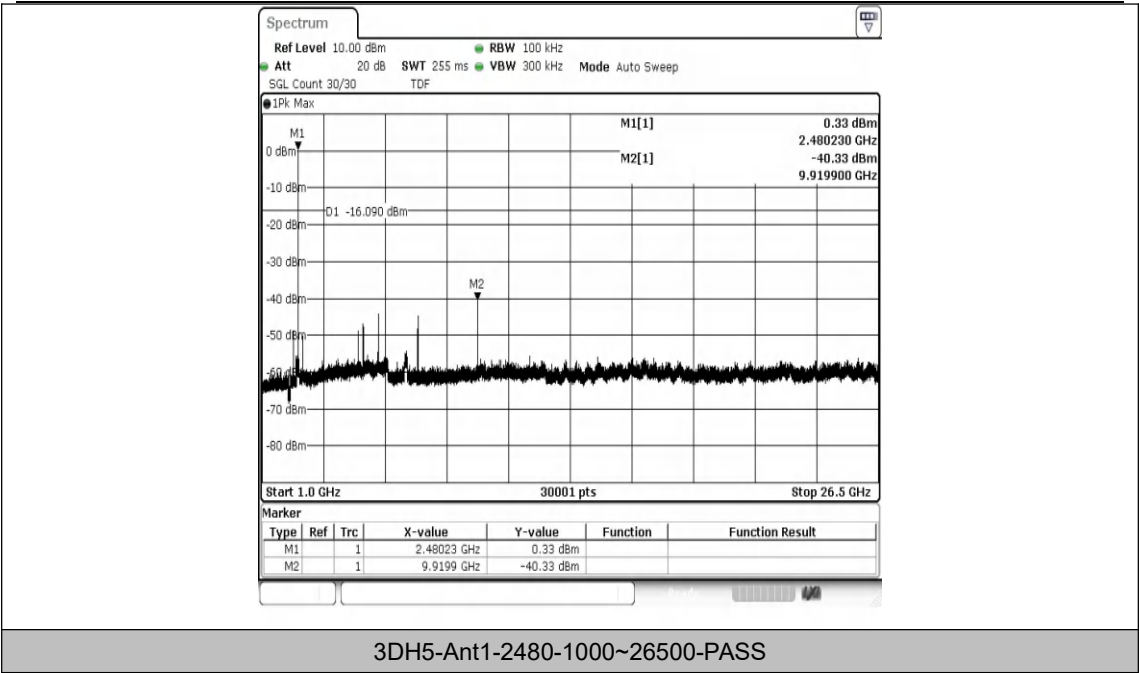
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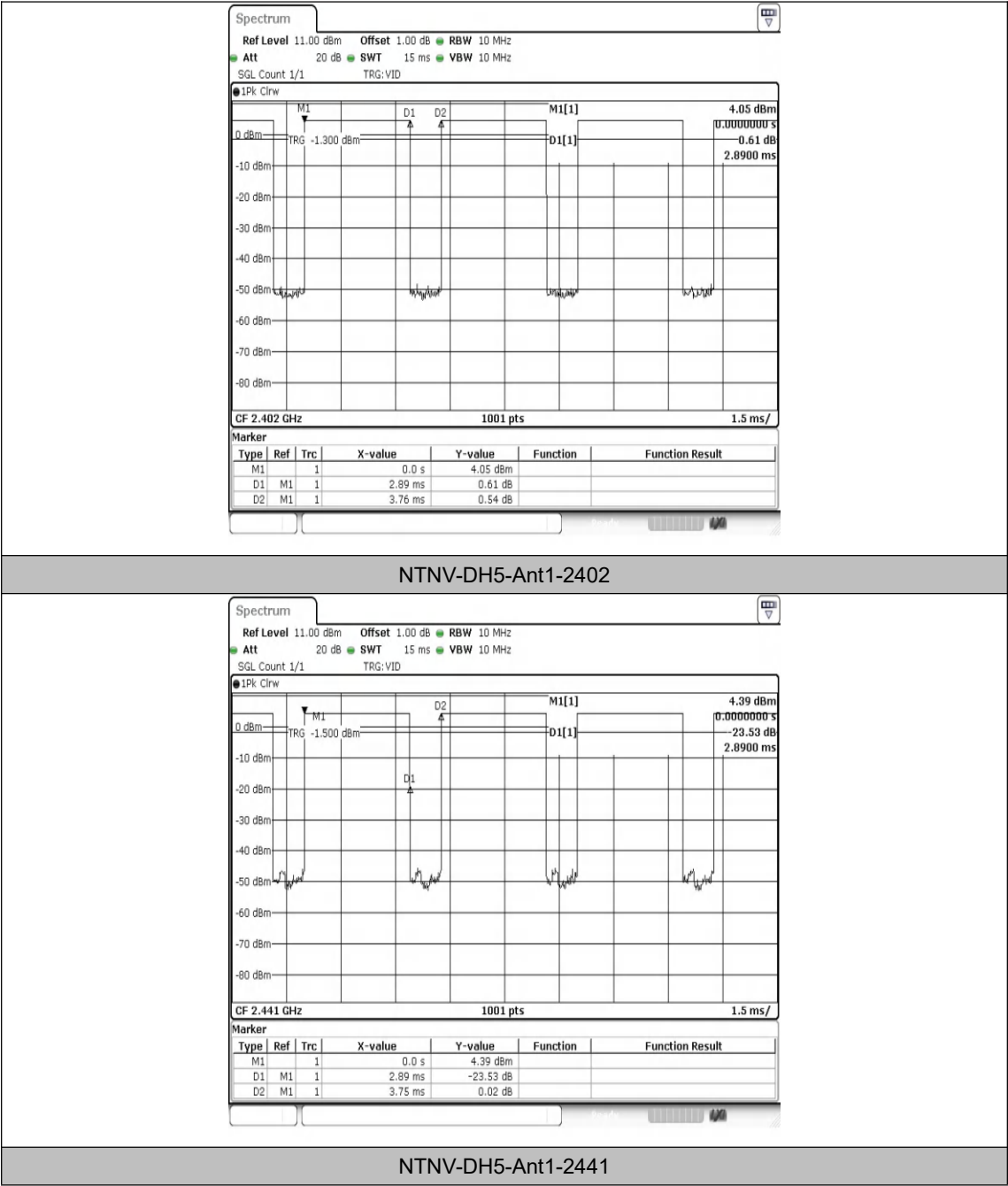
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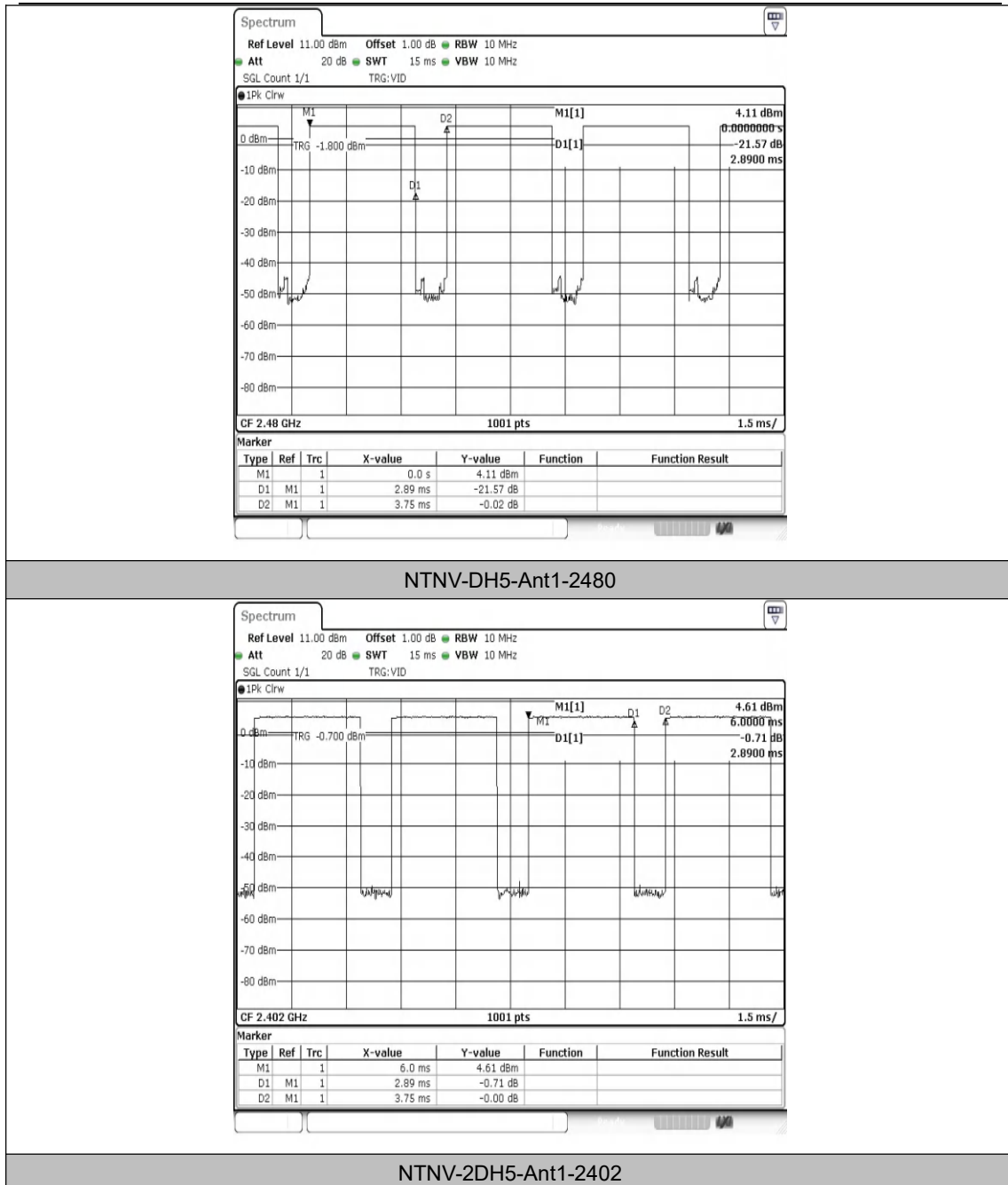
Appendix I: Duty Cycle

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	3.75	77.07	1.13
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	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

Test Graphs

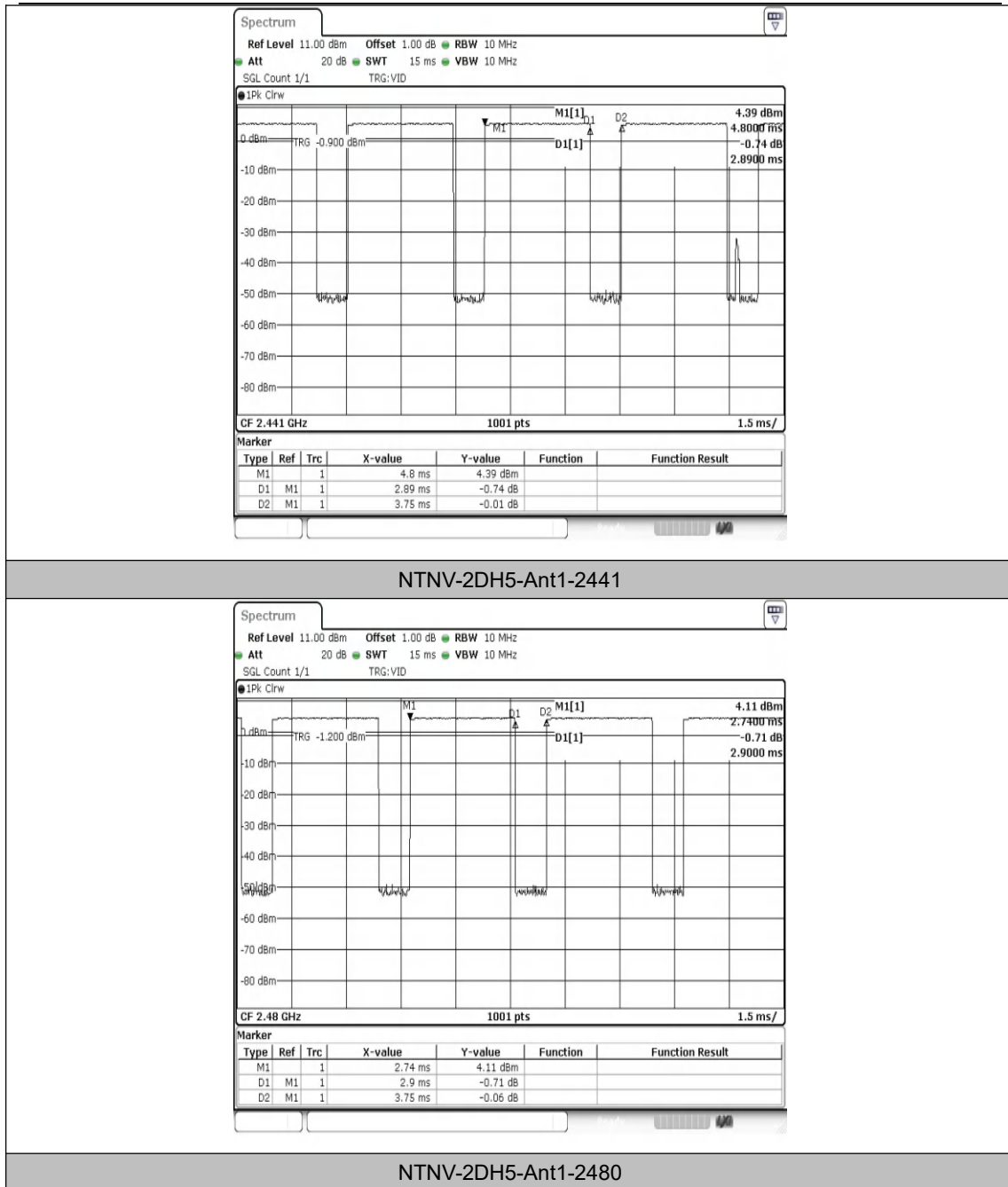


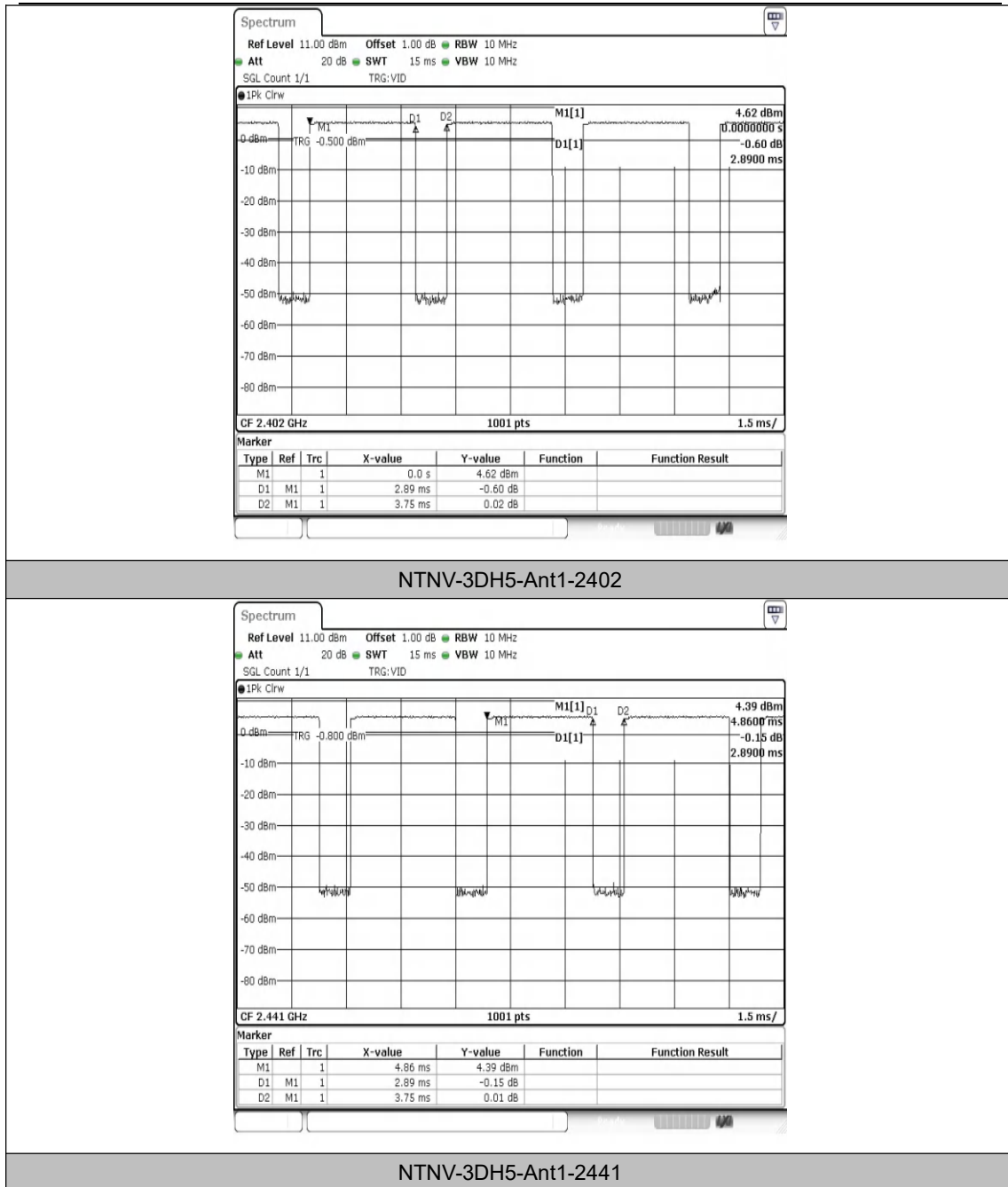


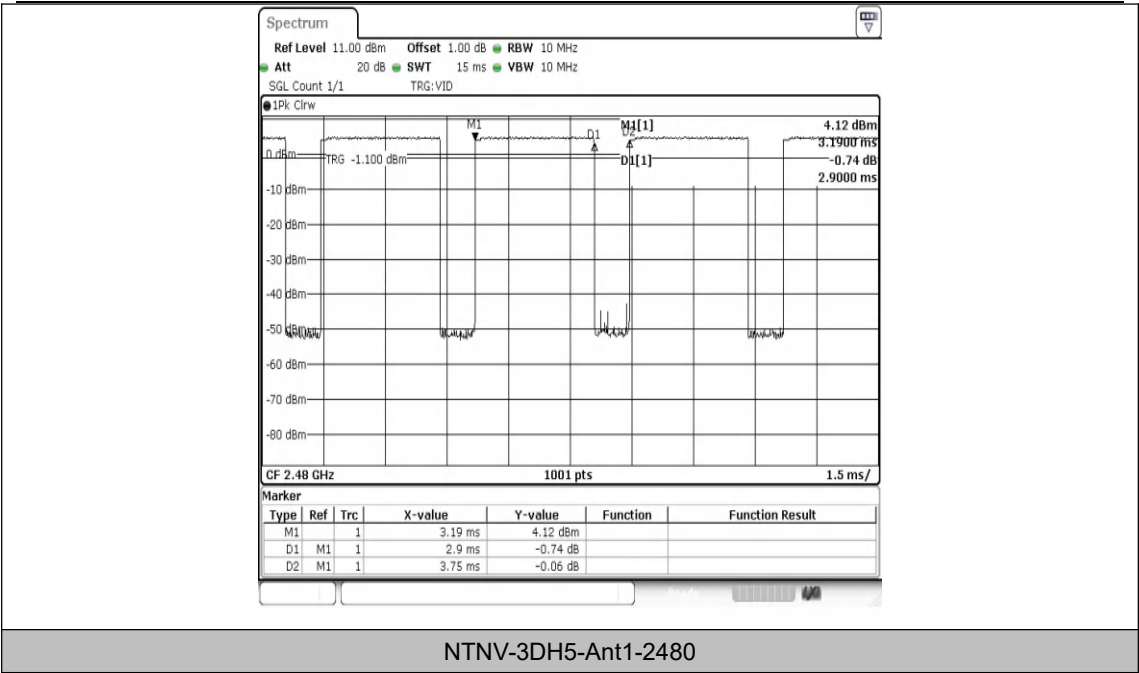
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---End---