

Appendix Test Data

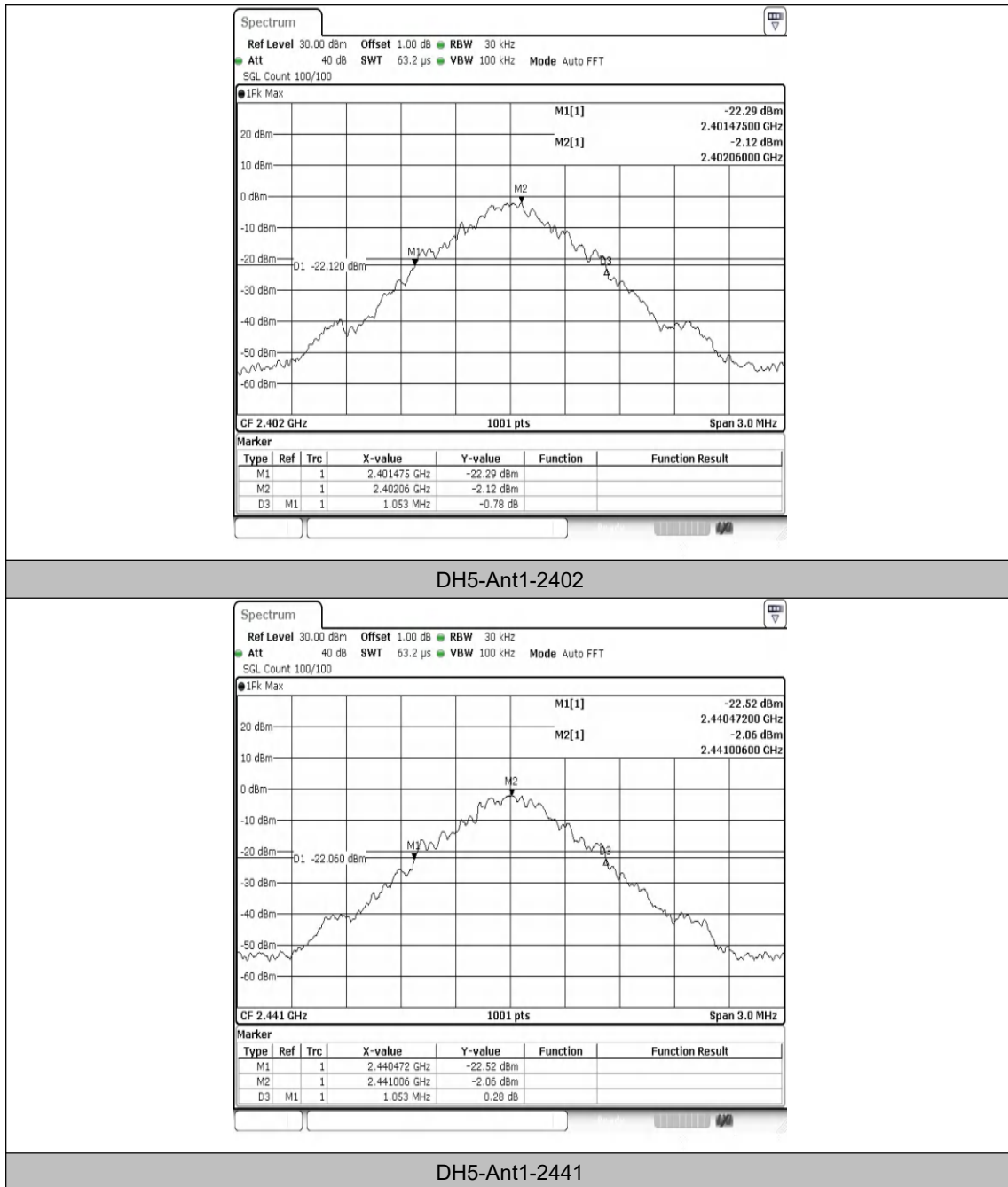
Report No.:	1812C50339512502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-7-24
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.0°C	Relative Humidity:	44%
Pressure:	101kPa		

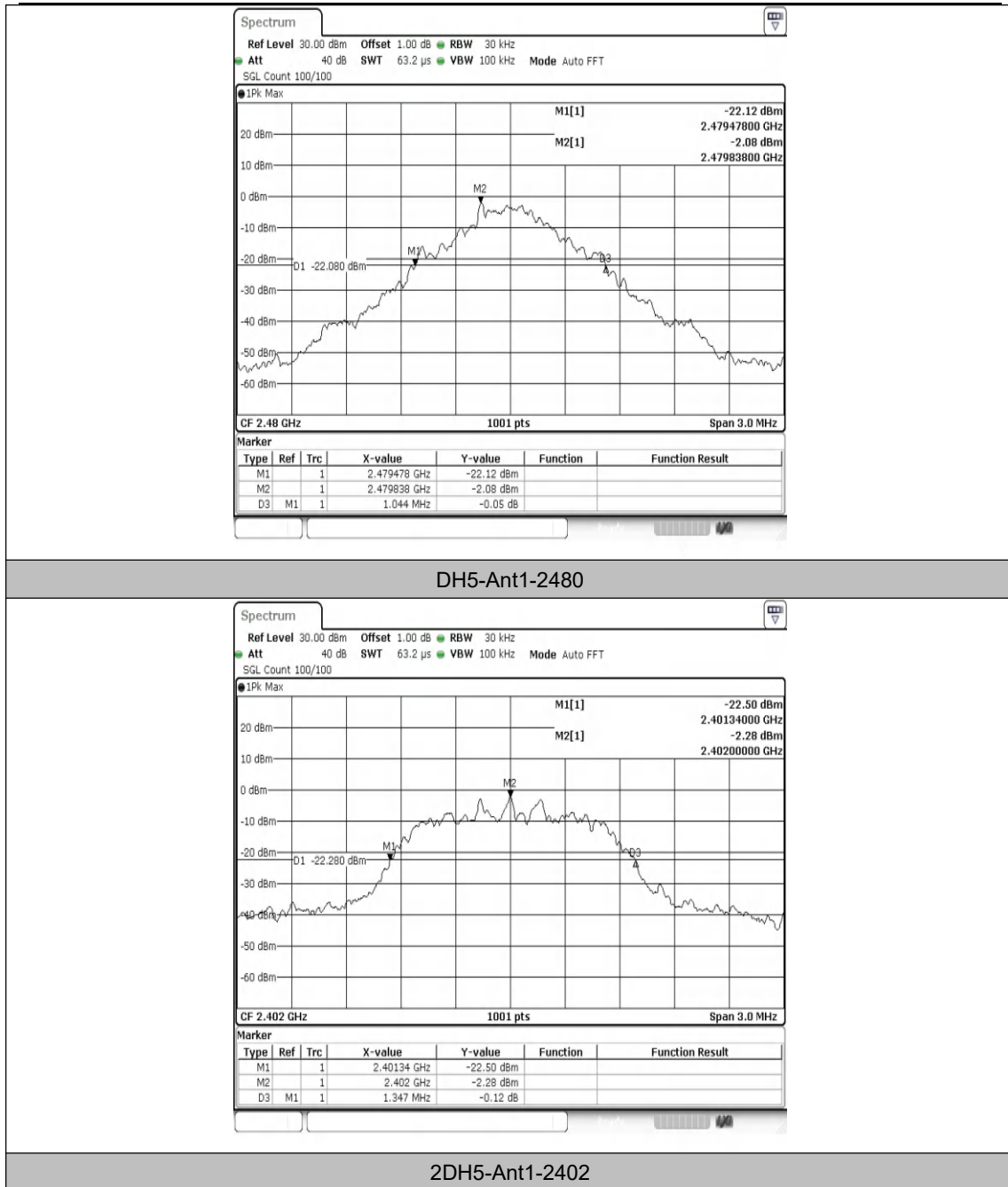
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.05	2401.48	2402.53	---	---
DH5	Ant1	2441	1.05	2440.47	2441.53	---	---
DH5	Ant1	2480	1.04	2479.48	2480.52	---	---
2DH5	Ant1	2402	1.35	2401.34	2402.69	---	---
2DH5	Ant1	2441	1.35	2440.33	2441.68	---	---
2DH5	Ant1	2480	1.38	2479.31	2480.69	---	---
3DH5	Ant1	2402	1.31	2401.35	2402.66	---	---
3DH5	Ant1	2441	1.40	2440.30	2441.70	---	---
3DH5	Ant1	2480	1.30	2479.35	2480.65	---	---

Test Graphs

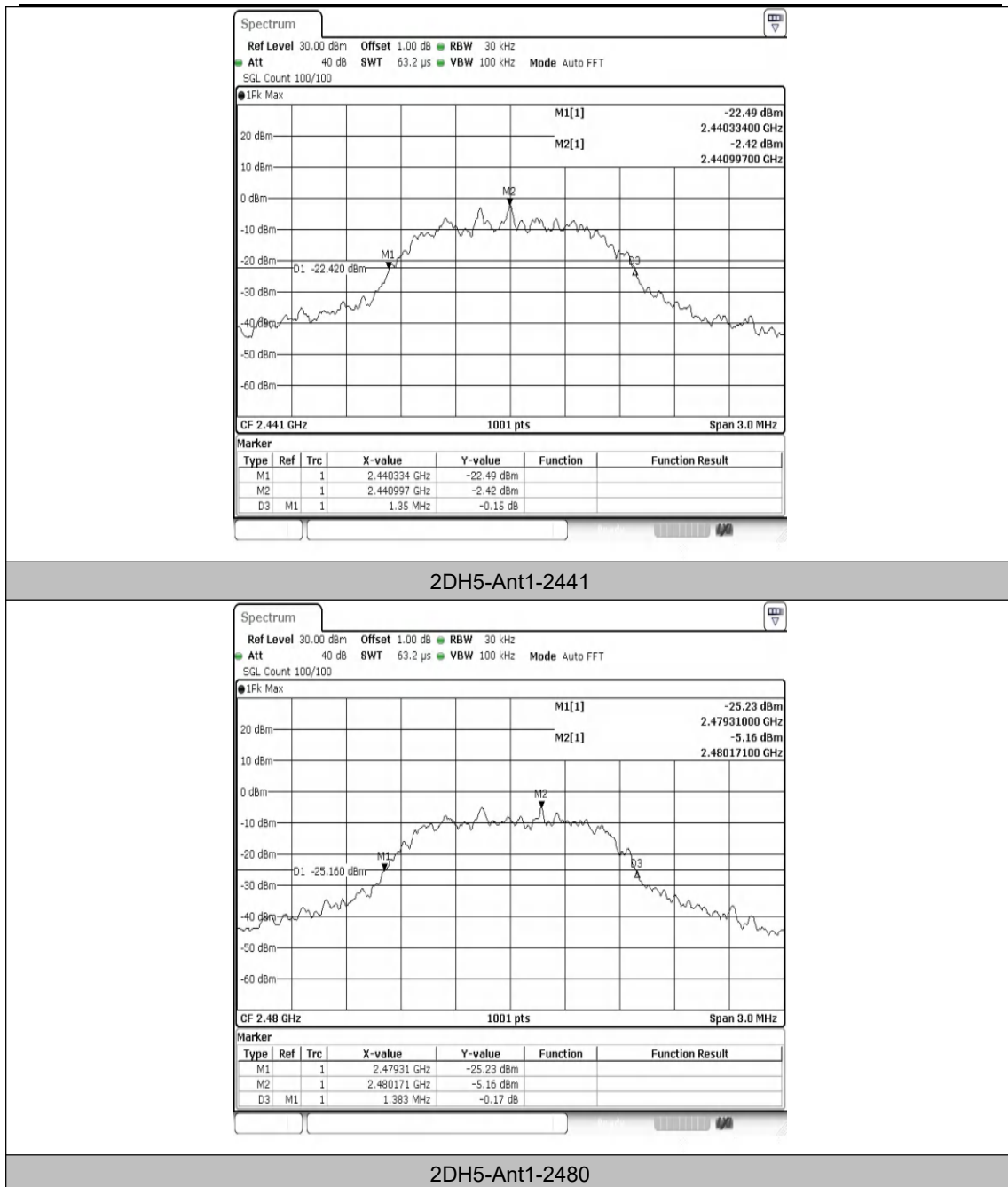


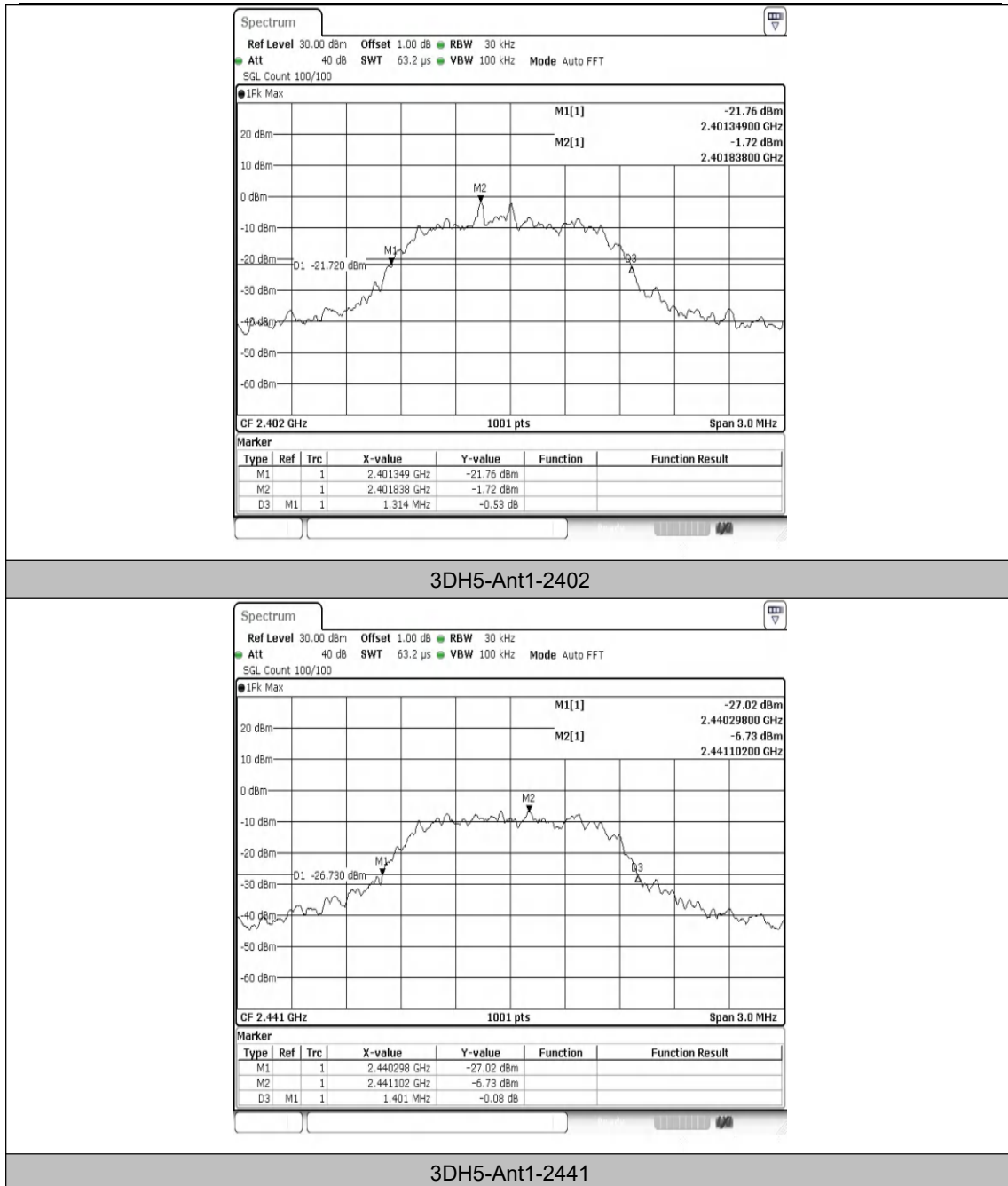


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Appendix B: 99% Occupied Bandwidth

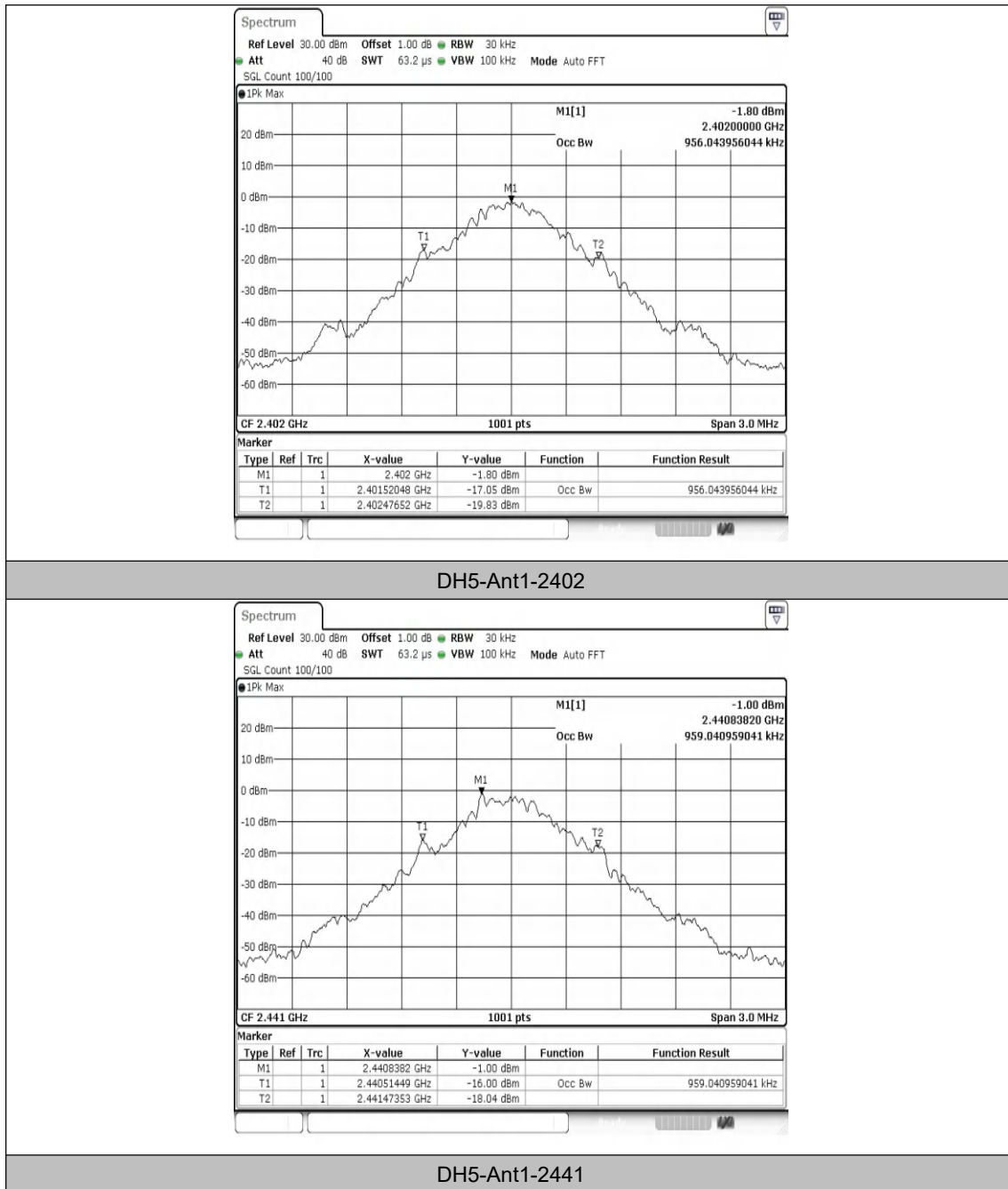
Test Result

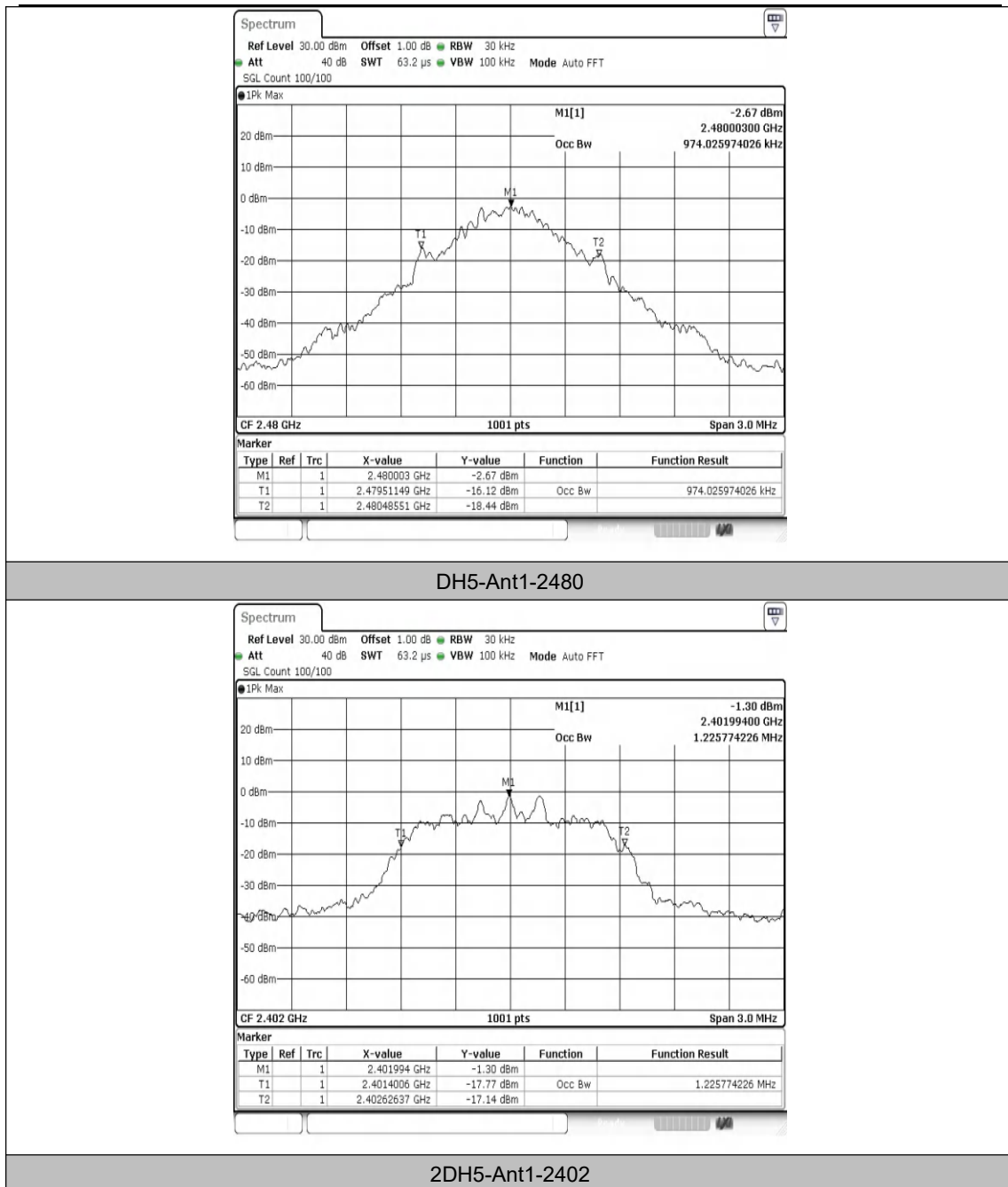
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95604	2401.5205	2402.4765	---	---
DH5	Ant1	2441	0.95904	2440.5145	2441.4735	---	---
DH5	Ant1	2480	0.97403	2479.5115	2480.4855	---	---
2DH5	Ant1	2402	1.2258	2401.4006	2402.6264	---	---
2DH5	Ant1	2441	1.2527	2440.3826	2441.6354	---	---
2DH5	Ant1	2480	1.2737	2479.3706	2480.6444	---	---
3DH5	Ant1	2402	1.2288	2401.3856	2402.6144	---	---
3DH5	Ant1	2441	1.2348	2440.3826	2441.6174	---	---
3DH5	Ant1	2480	1.2348	2479.3796	2480.6144	---	---

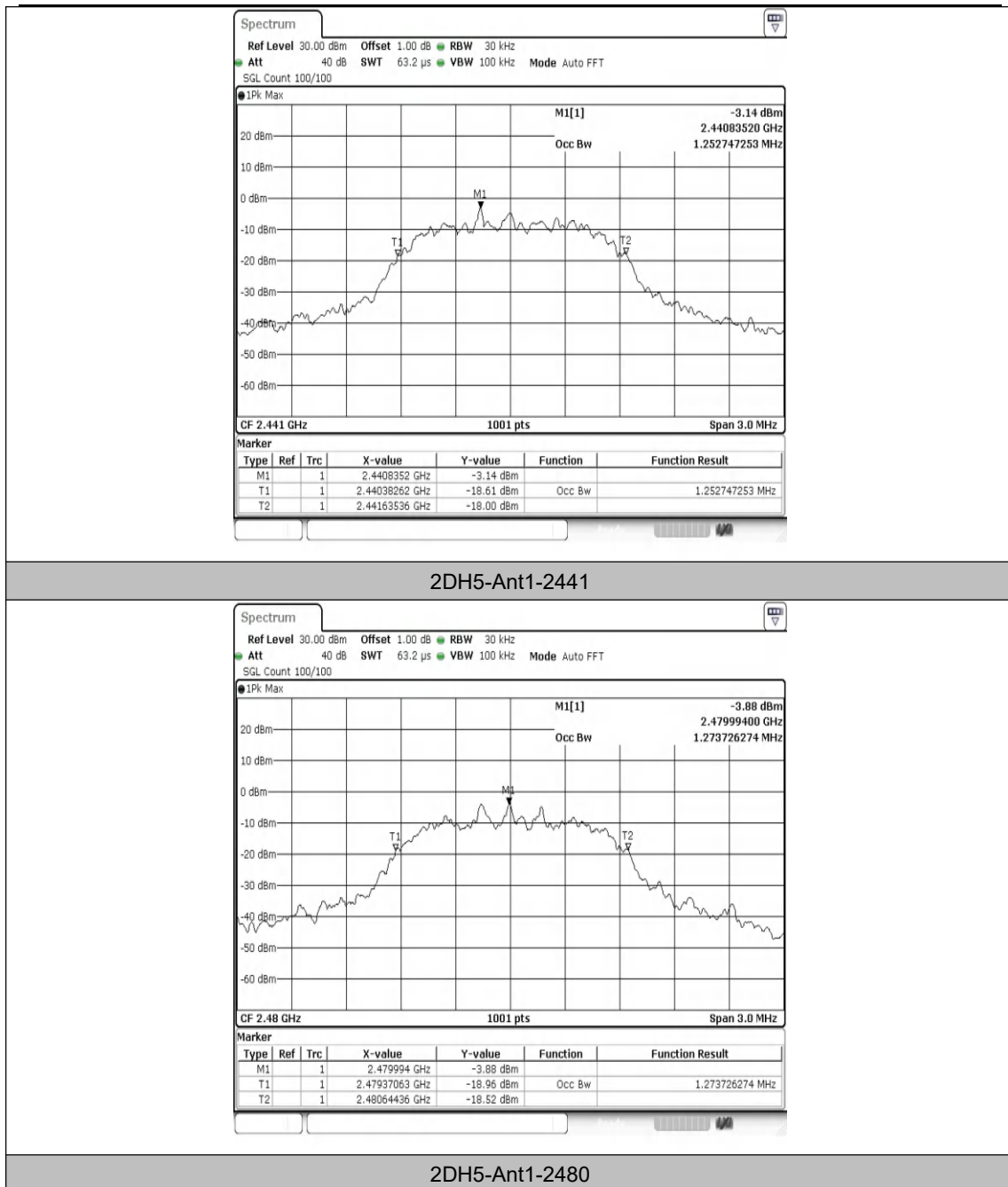
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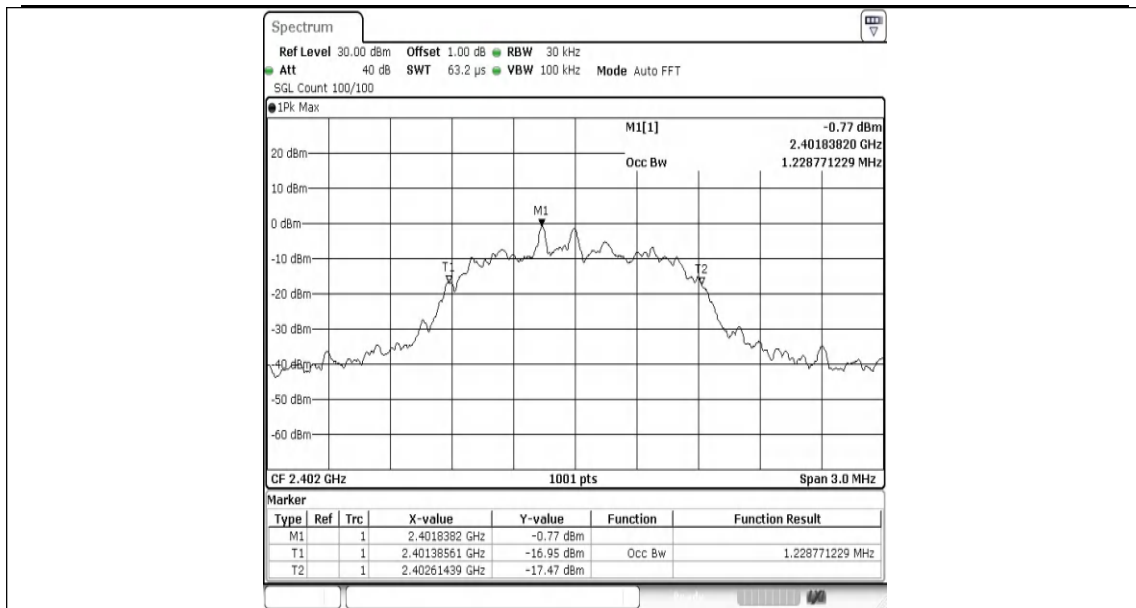


Test Graphs

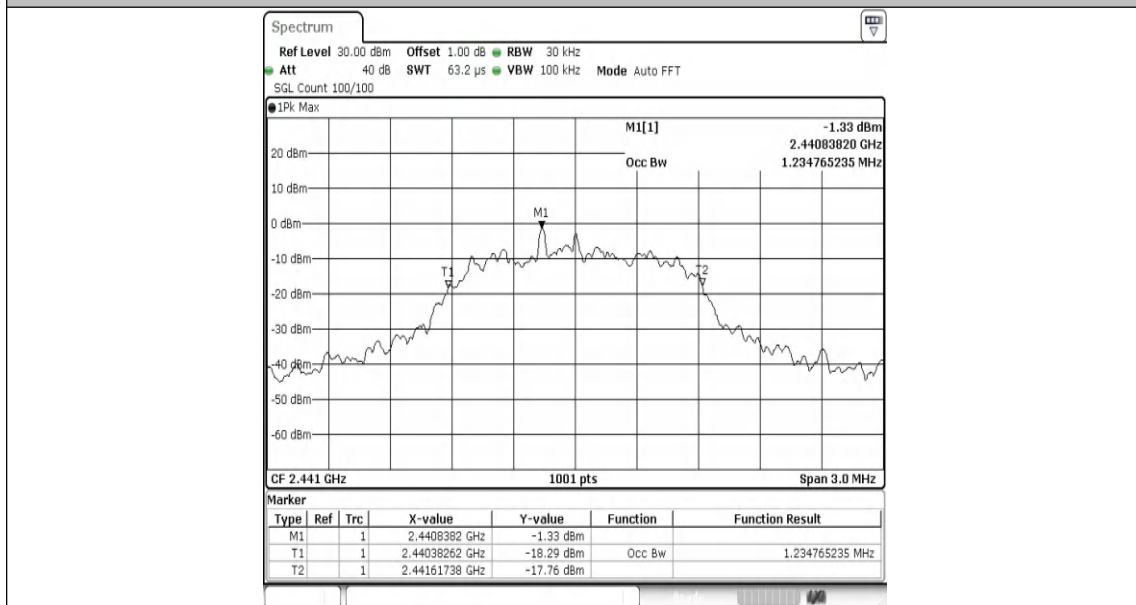








3DH5-Ant1-2402



3DH5-Ant1-2441



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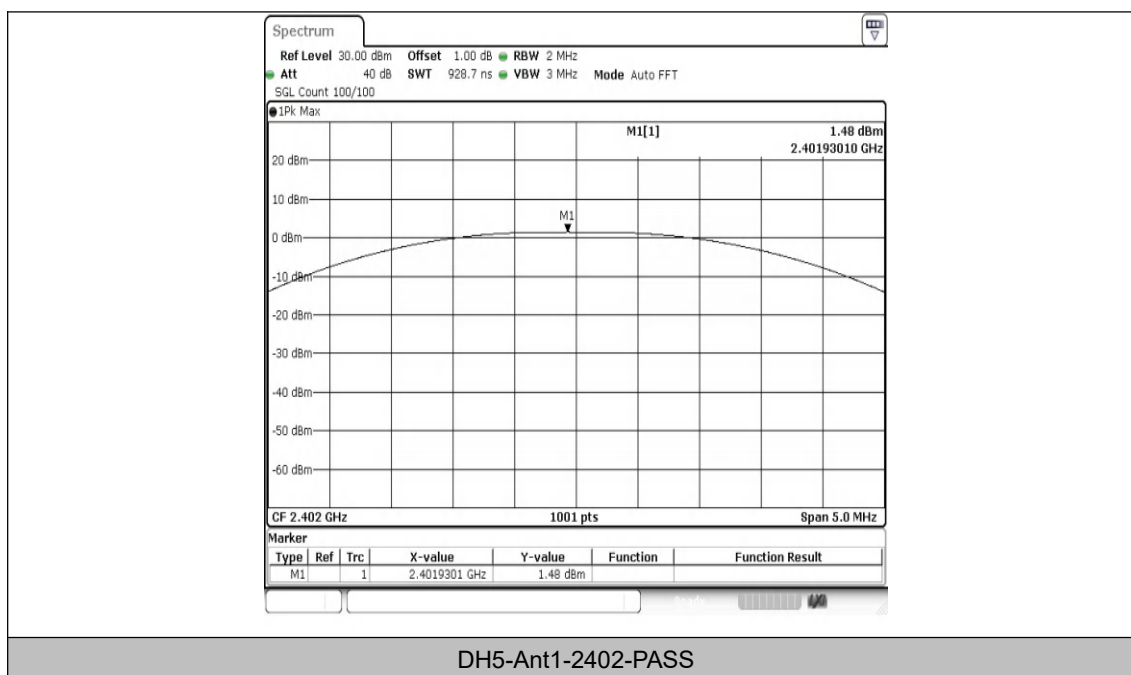
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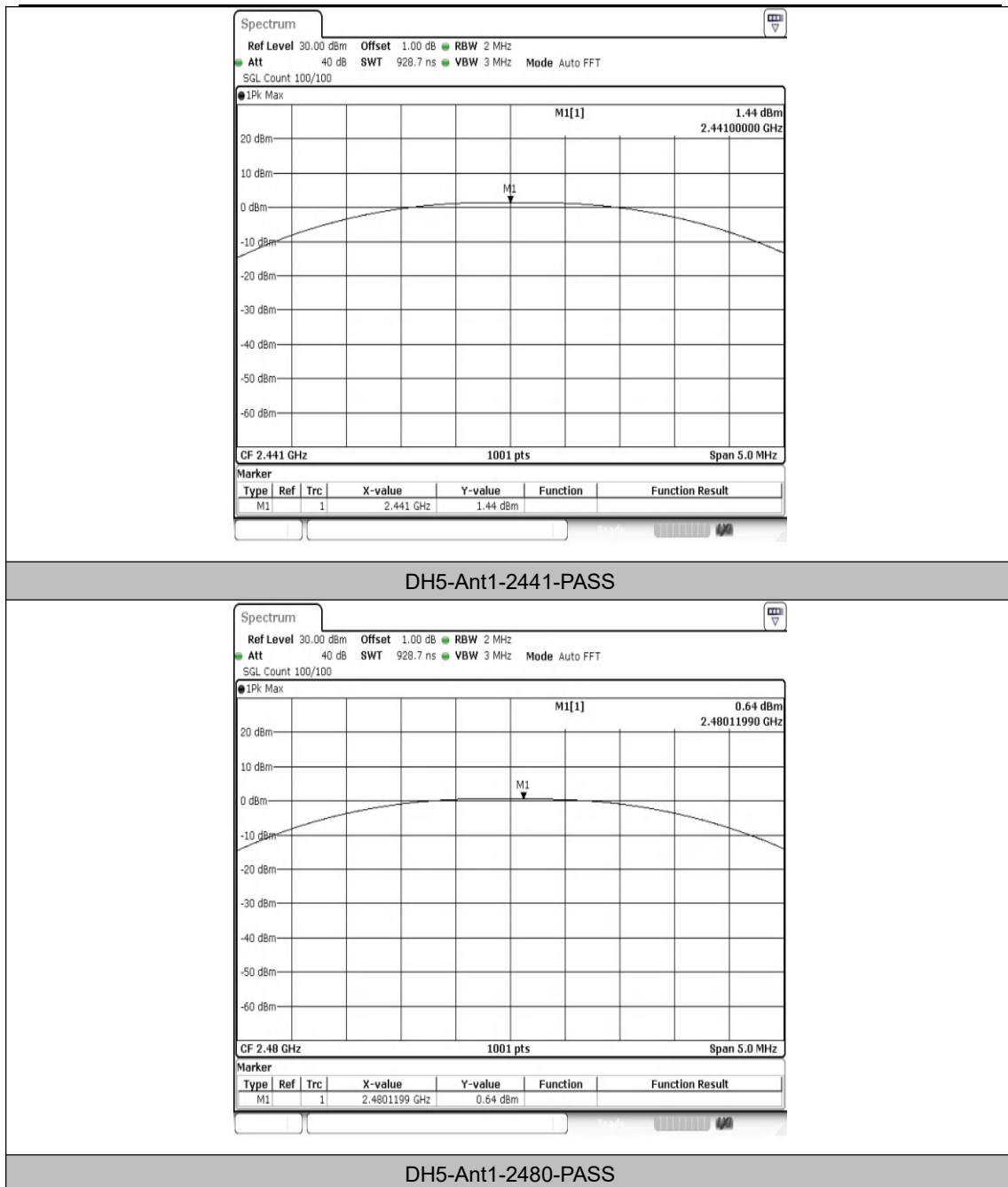
Appendix C: Maximum Conducted Output Power

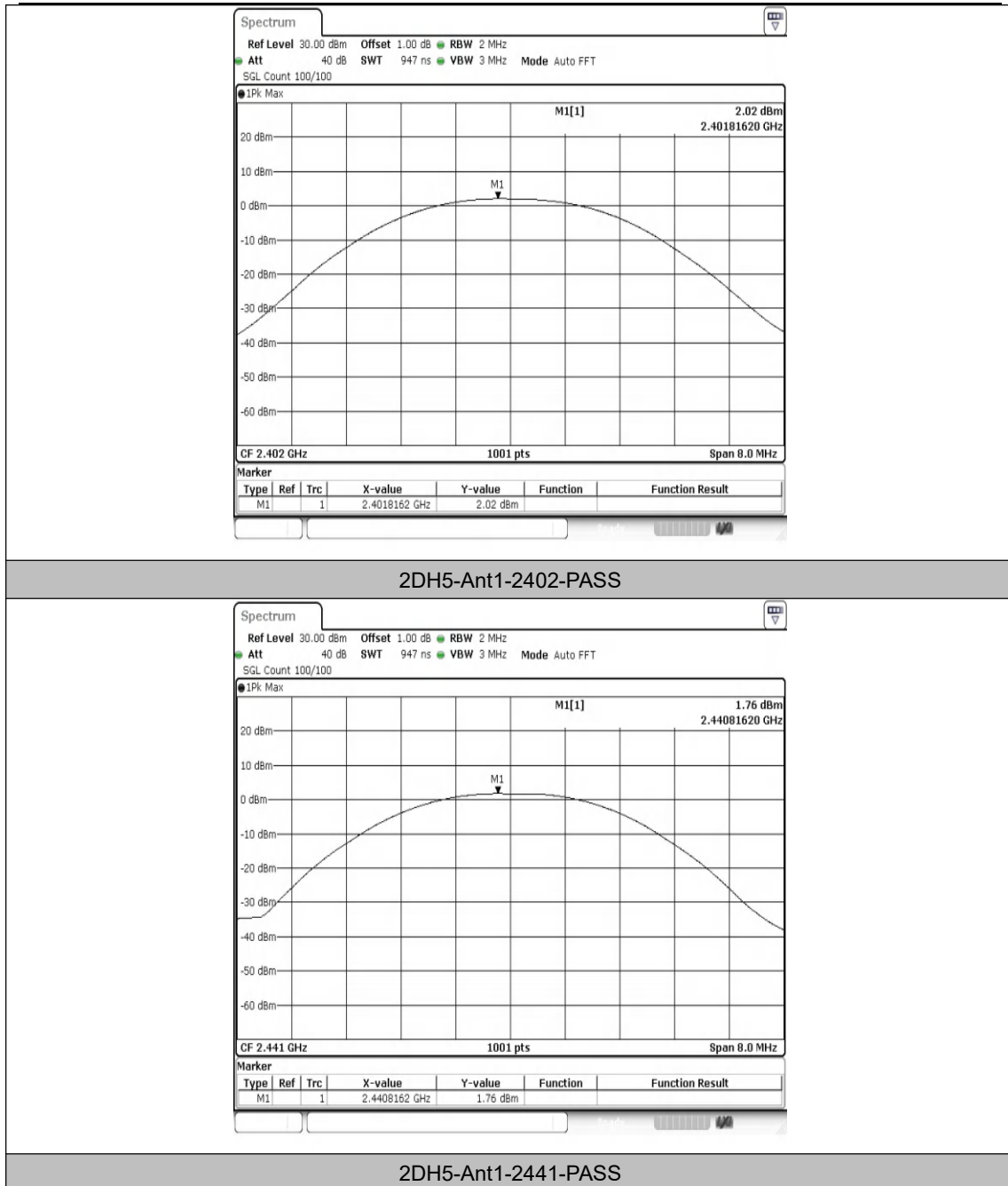
Test Result Peak

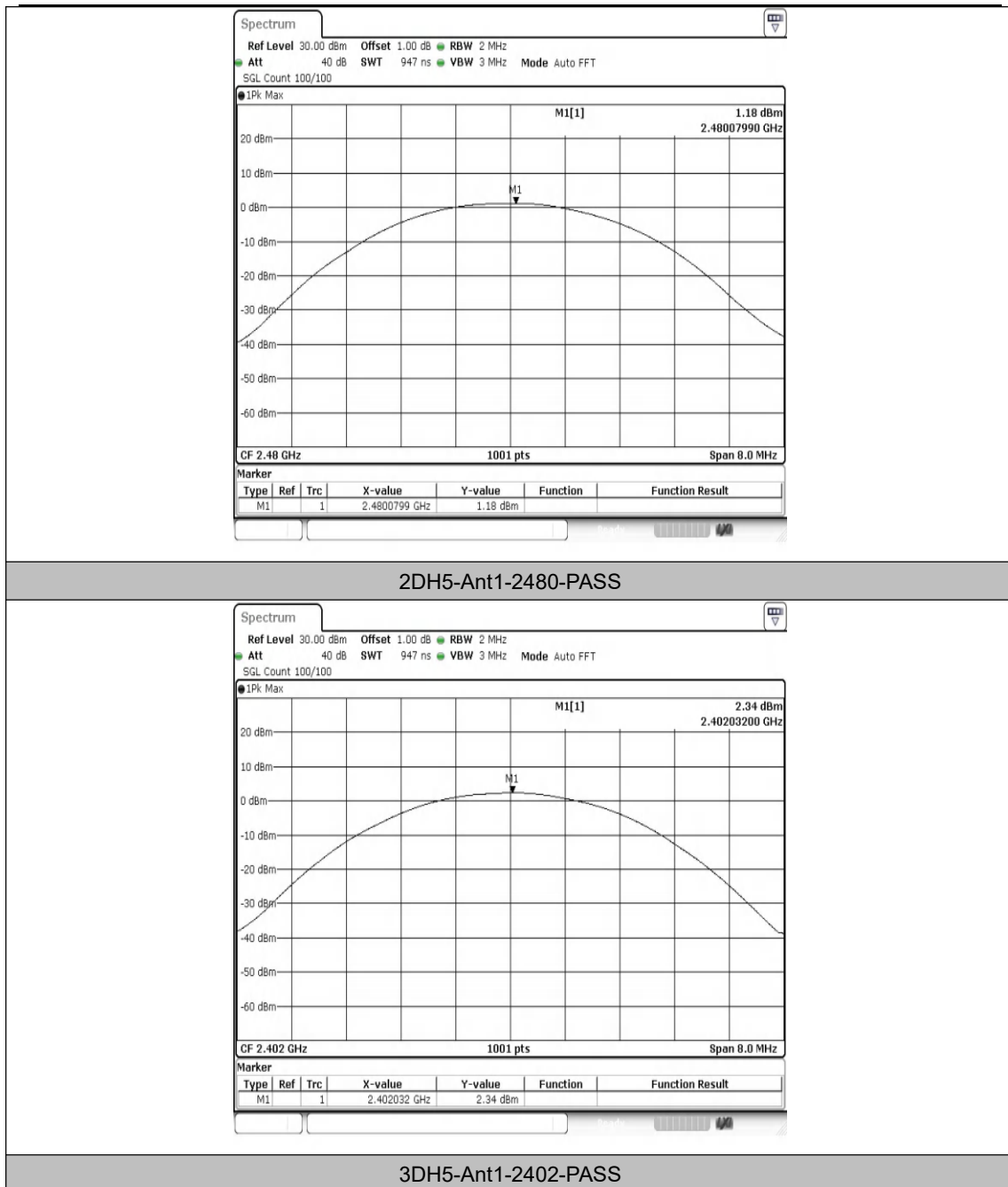
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.48	≤20.97	PASS
DH5	Ant1	2441	1.44	≤20.97	PASS
DH5	Ant1	2480	0.64	≤20.97	PASS
2DH5	Ant1	2402	2.02	≤20.97	PASS
2DH5	Ant1	2441	1.76	≤20.97	PASS
2DH5	Ant1	2480	1.18	≤20.97	PASS
3DH5	Ant1	2402	2.34	≤20.97	PASS
3DH5	Ant1	2441	1.86	≤20.97	PASS
3DH5	Ant1	2480	0.81	≤20.97	PASS

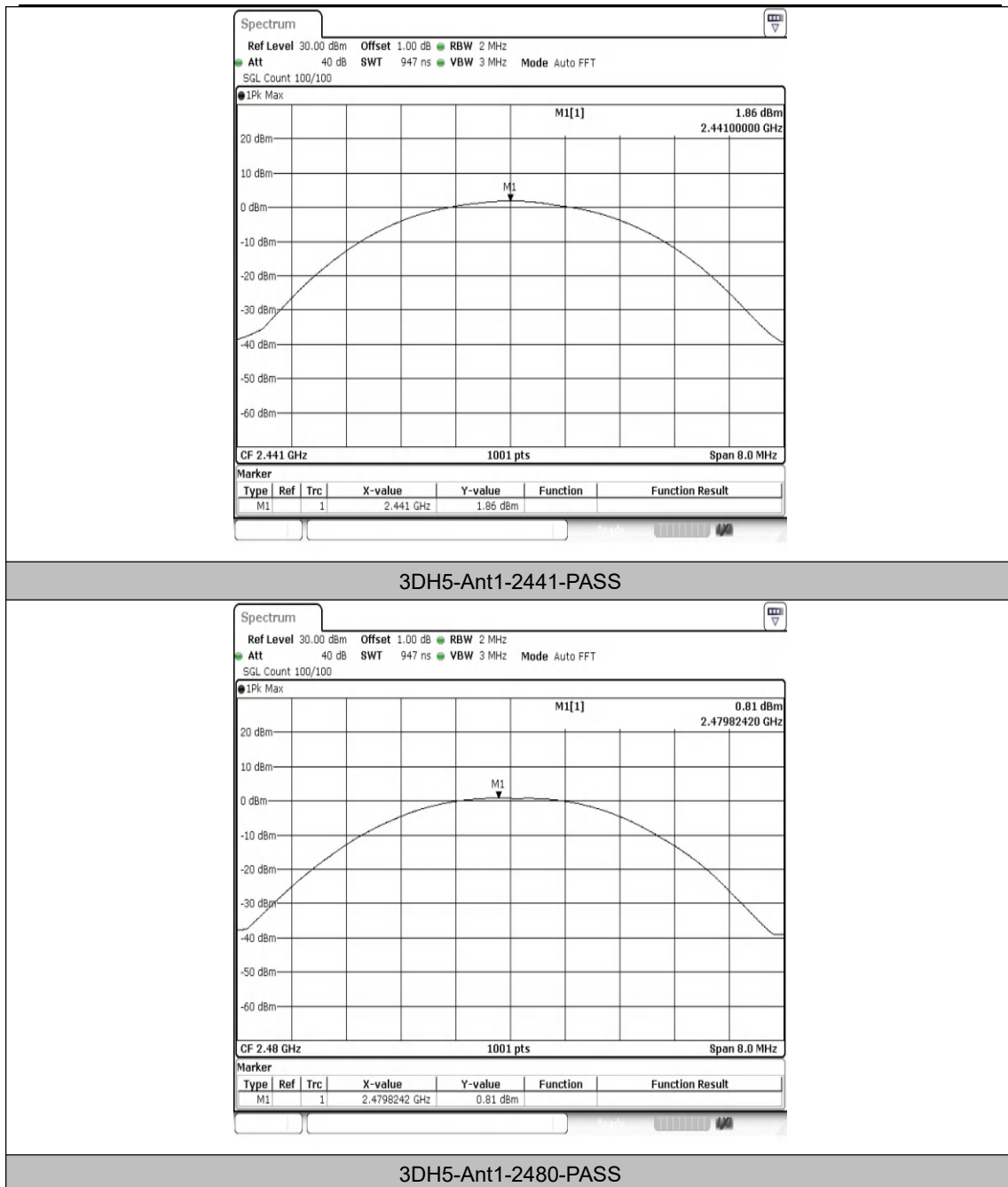
Test Graphs











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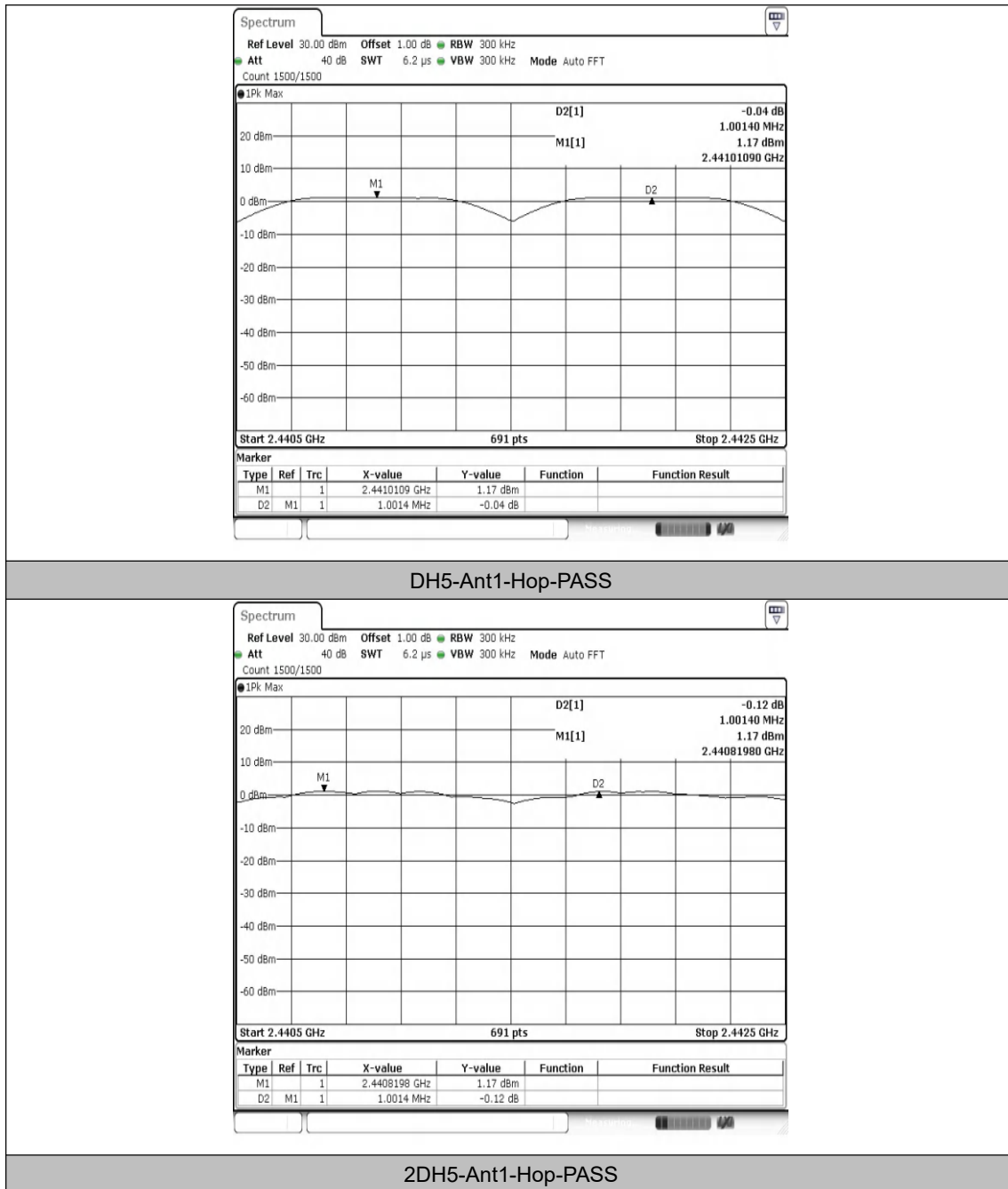
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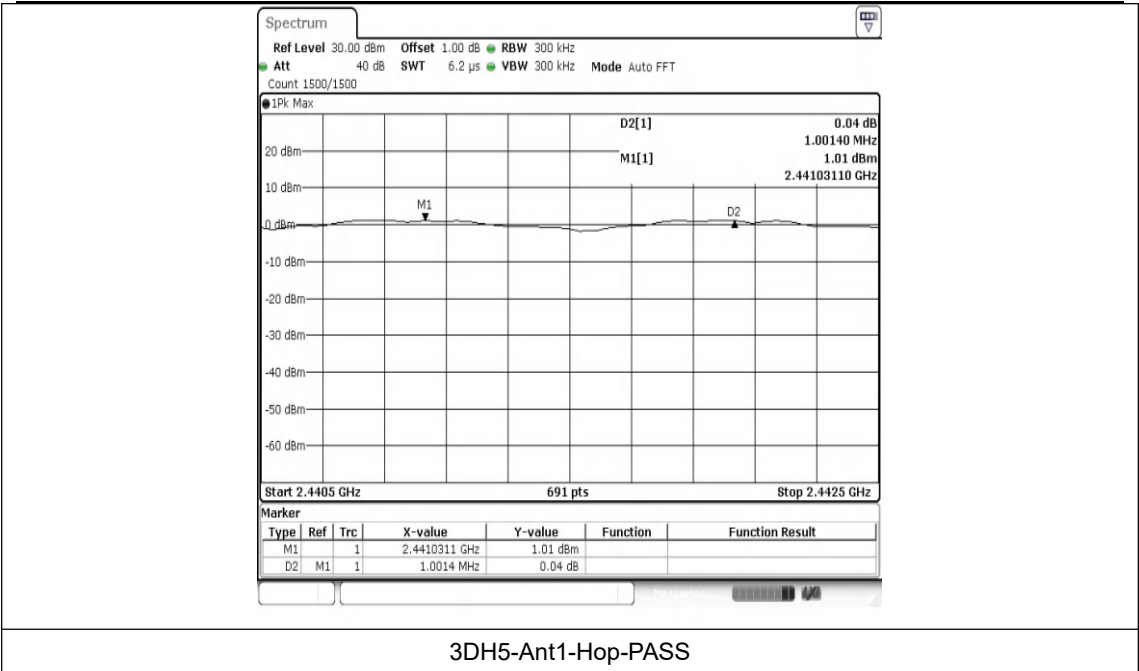
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.001	≥0.700	PASS
2DH5	Ant1	Hop	1.001	≥0.920	PASS
3DH5	Ant1	Hop	1.001	≥0.933	PASS

Test Graphs





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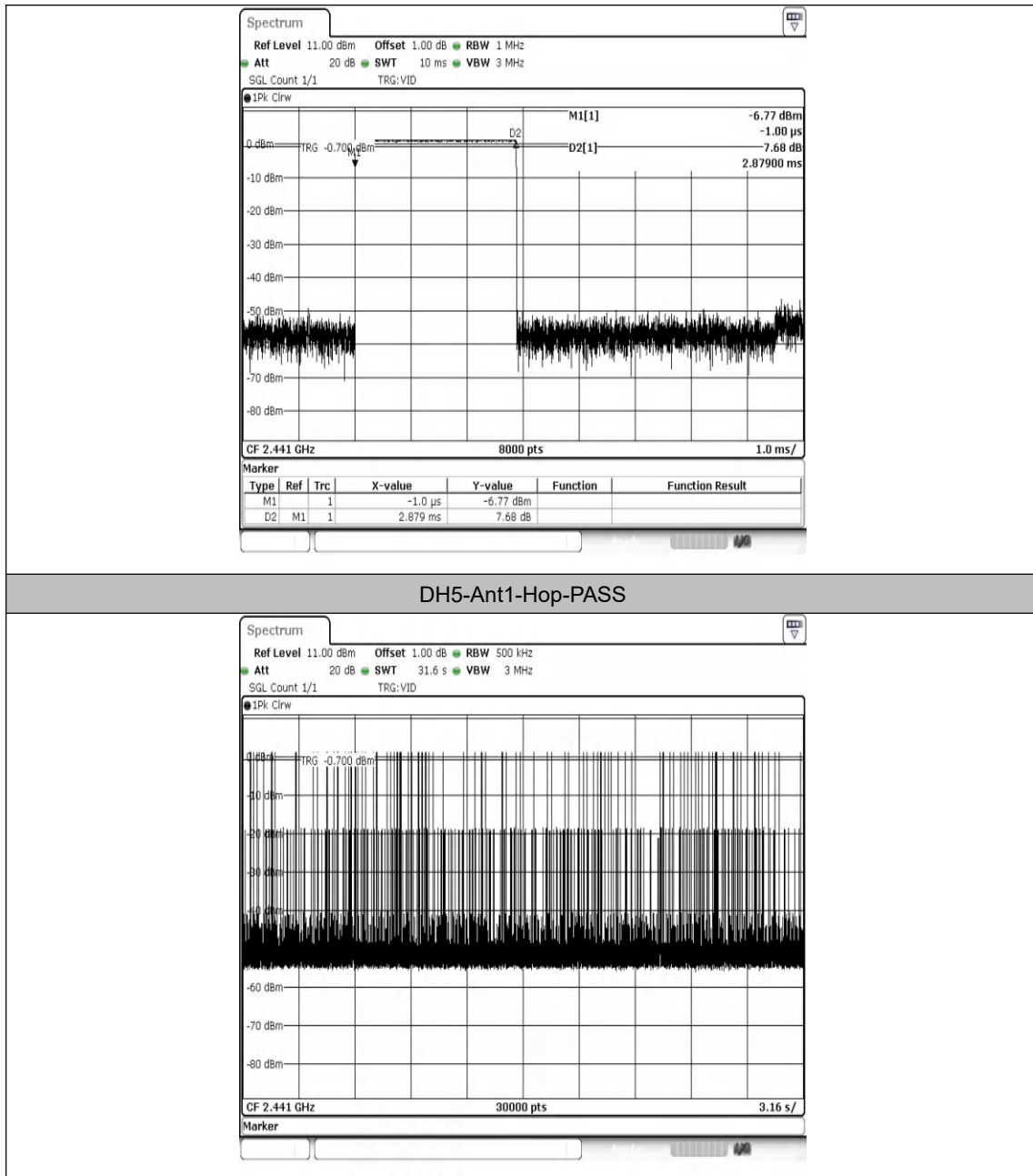
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	106	0.305	≤0.4	PASS
2DH5	Ant1	Hop	2.885	115	0.332	≤0.4	PASS
3DH5	Ant1	Hop	2.887	103	0.297	≤0.4	PASS

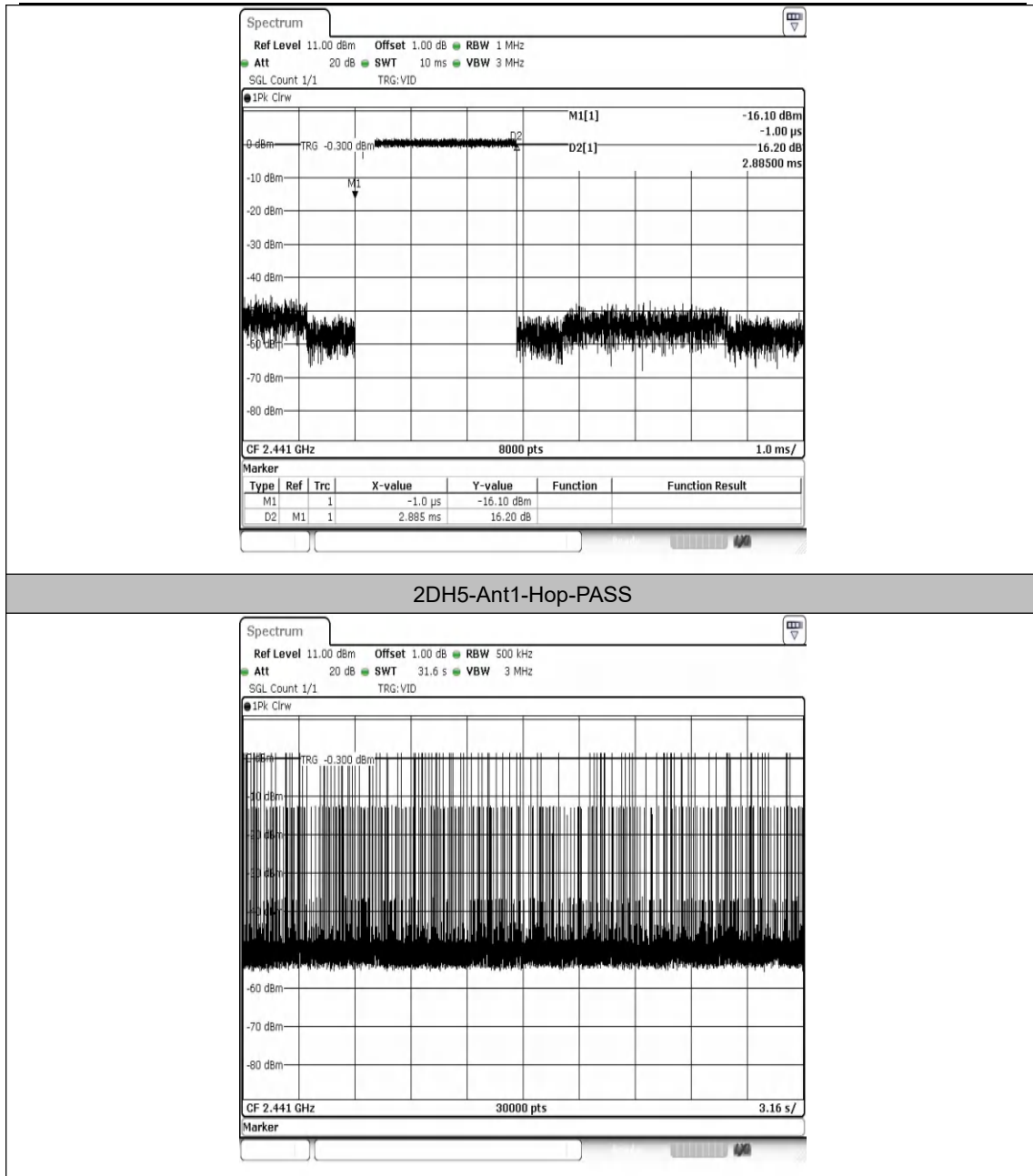
Test Graphs

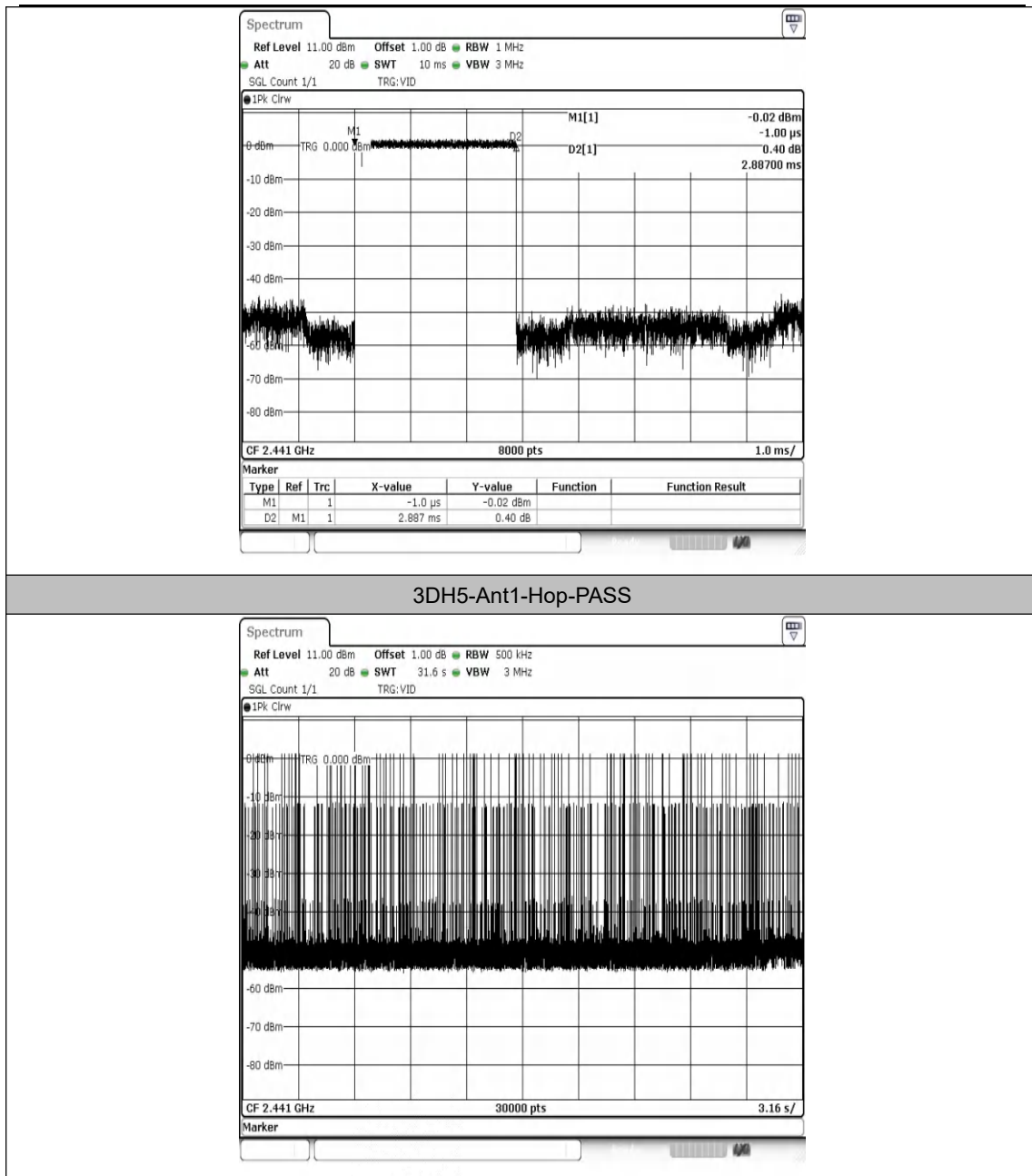


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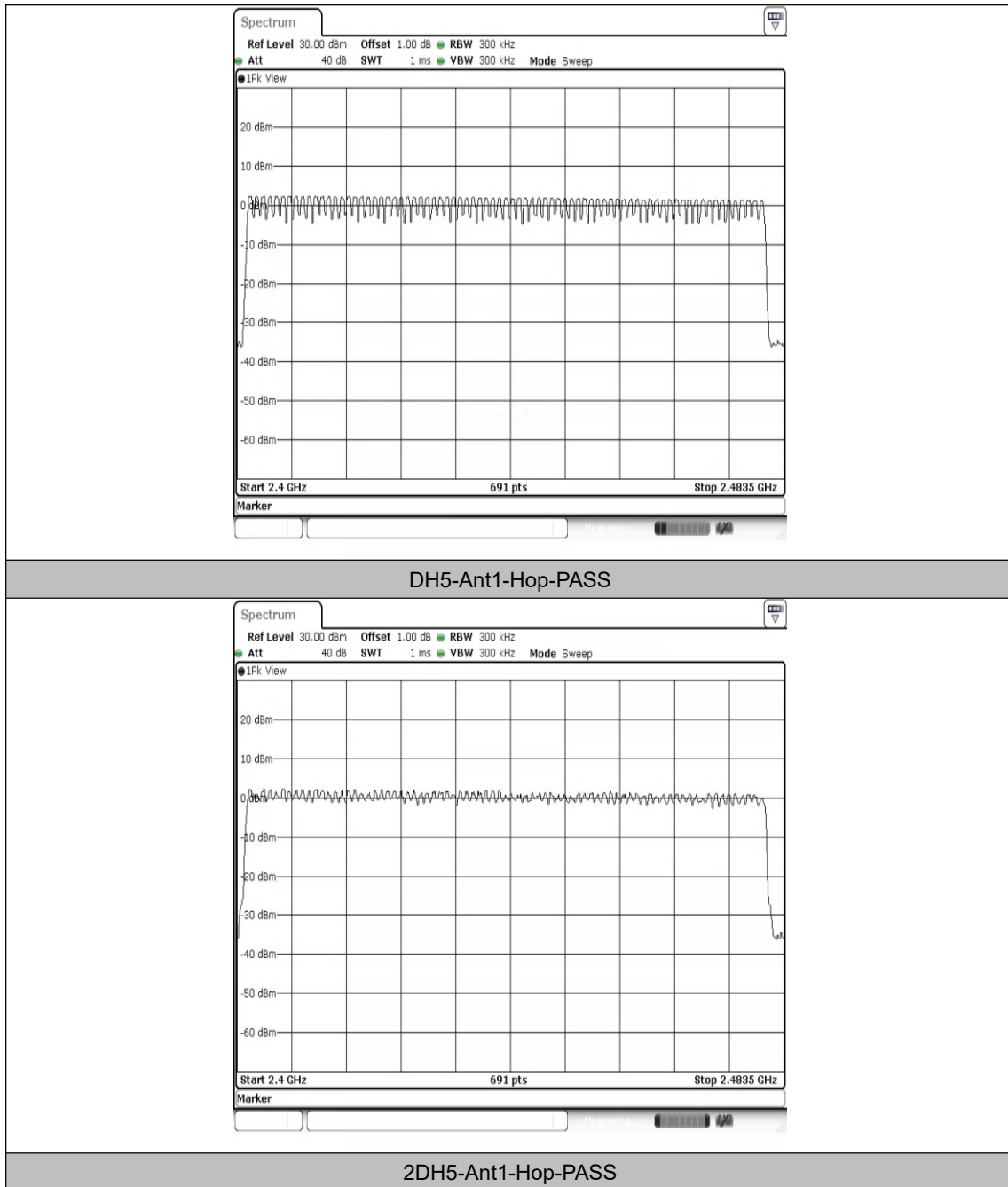
Appendix F: Number of Hopping Channel

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



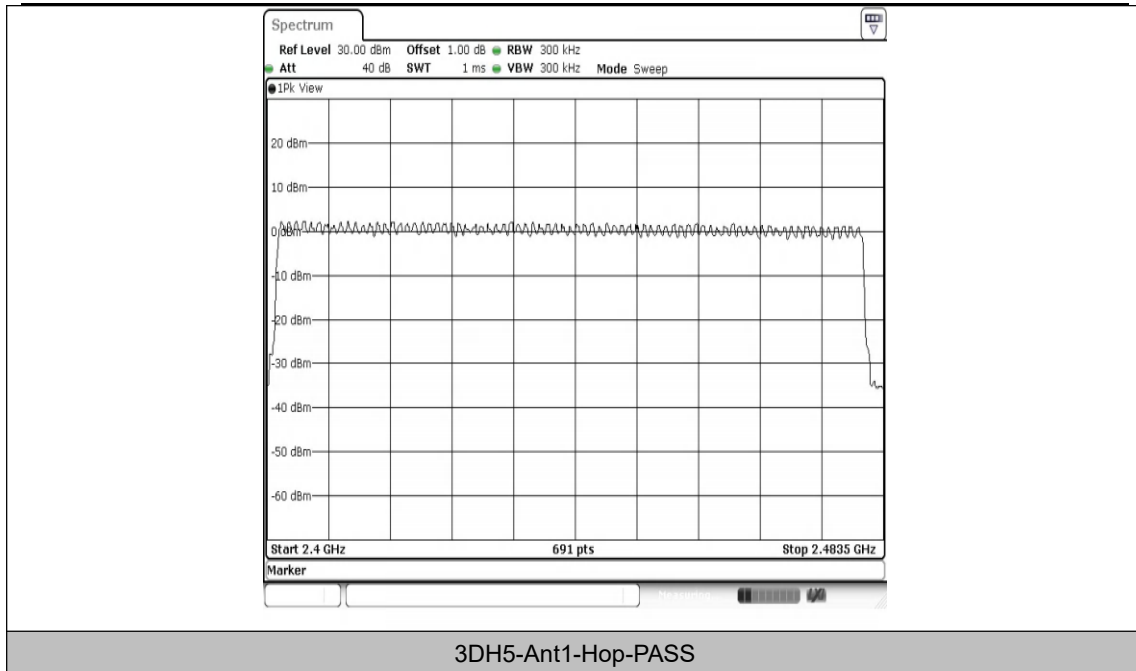
Test Graphs



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Appendix G: Conducted Band edge

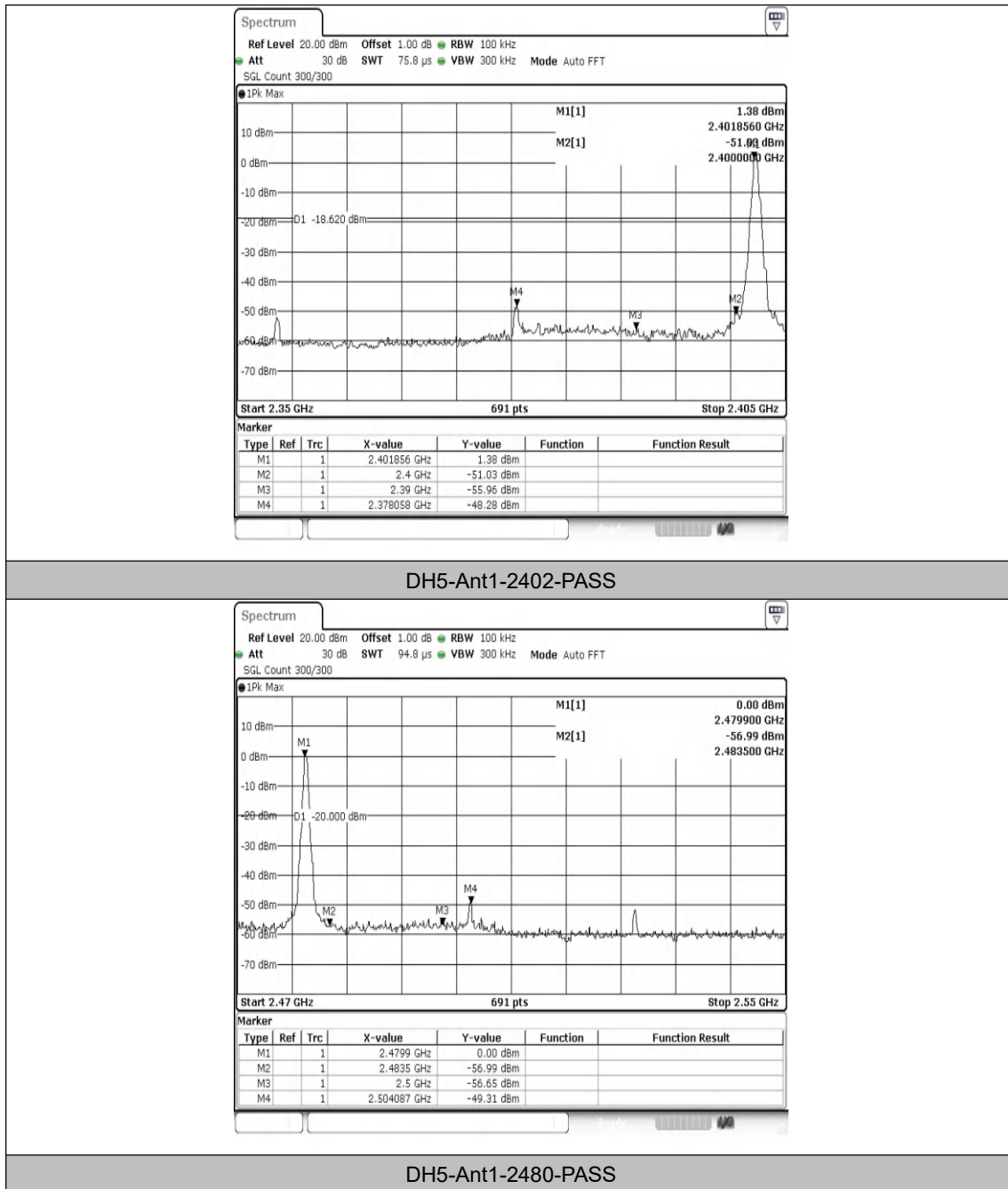
Test Result

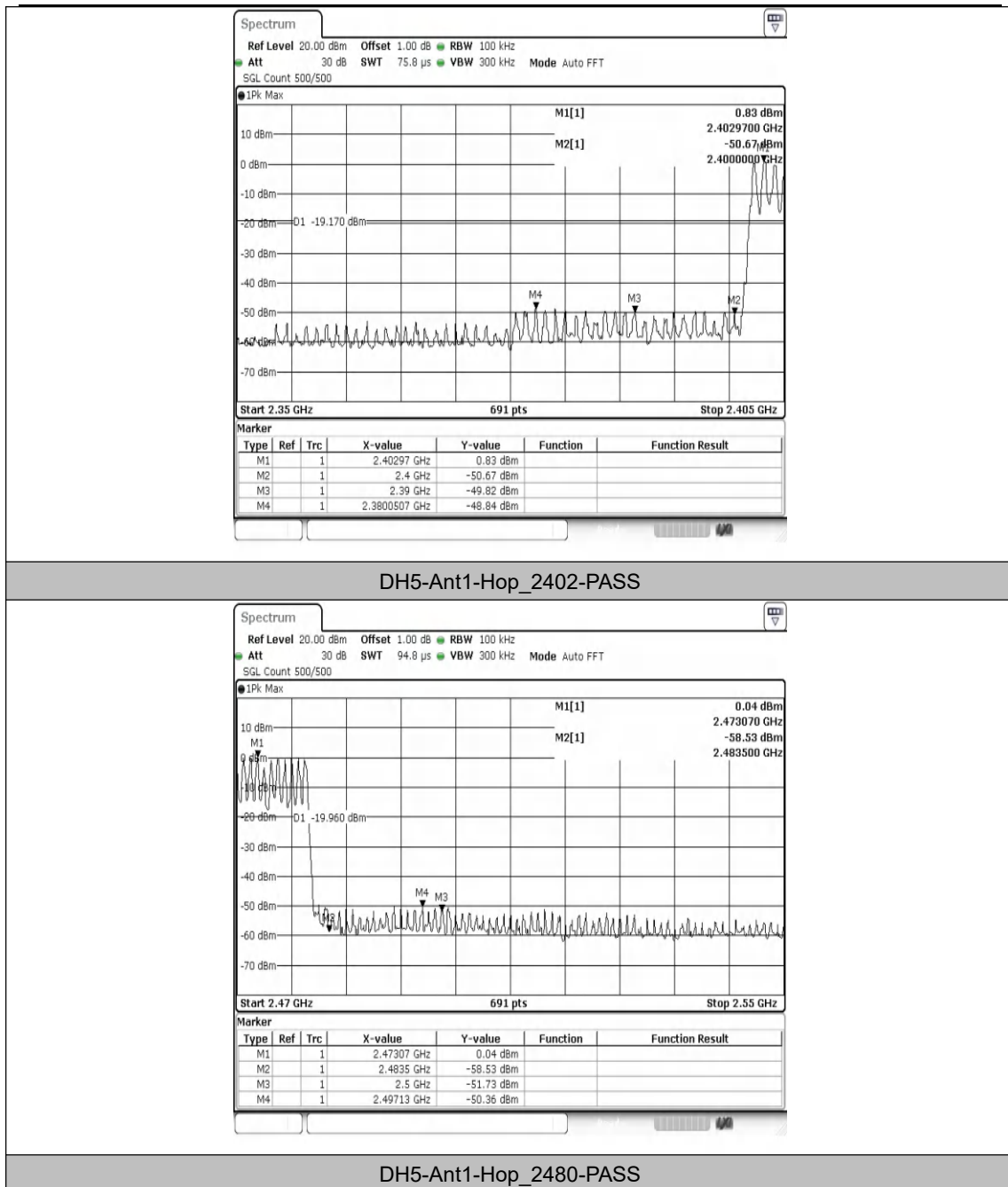
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.38	-48.28	≤-18.62	PASS
DH5	Ant1	High	2480	0.00	-49.31	≤-20	PASS
DH5	Ant1	Low	Hop_2402	0.83	-48.84	≤-19.17	PASS
DH5	Ant1	High	Hop_2480	0.04	-50.36	≤-19.96	PASS
2DH5	Ant1	Low	2402	0.75	-48.4	≤-19.25	PASS
2DH5	Ant1	High	2480	0.20	-51.67	≤-19.8	PASS
2DH5	Ant1	Low	Hop_2402	-2.76	-51.44	≤-22.76	PASS
2DH5	Ant1	High	Hop_2480	-1.63	-52.46	≤-21.63	PASS
3DH5	Ant1	Low	2402	1.11	-48.51	≤-18.89	PASS
3DH5	Ant1	High	2480	-0.02	-50.77	≤-20.02	PASS
3DH5	Ant1	Low	Hop_2402	-2.54	-49.21	≤-22.54	PASS
3DH5	Ant1	High	Hop_2480	-0.57	-45.5	≤-20.57	PASS

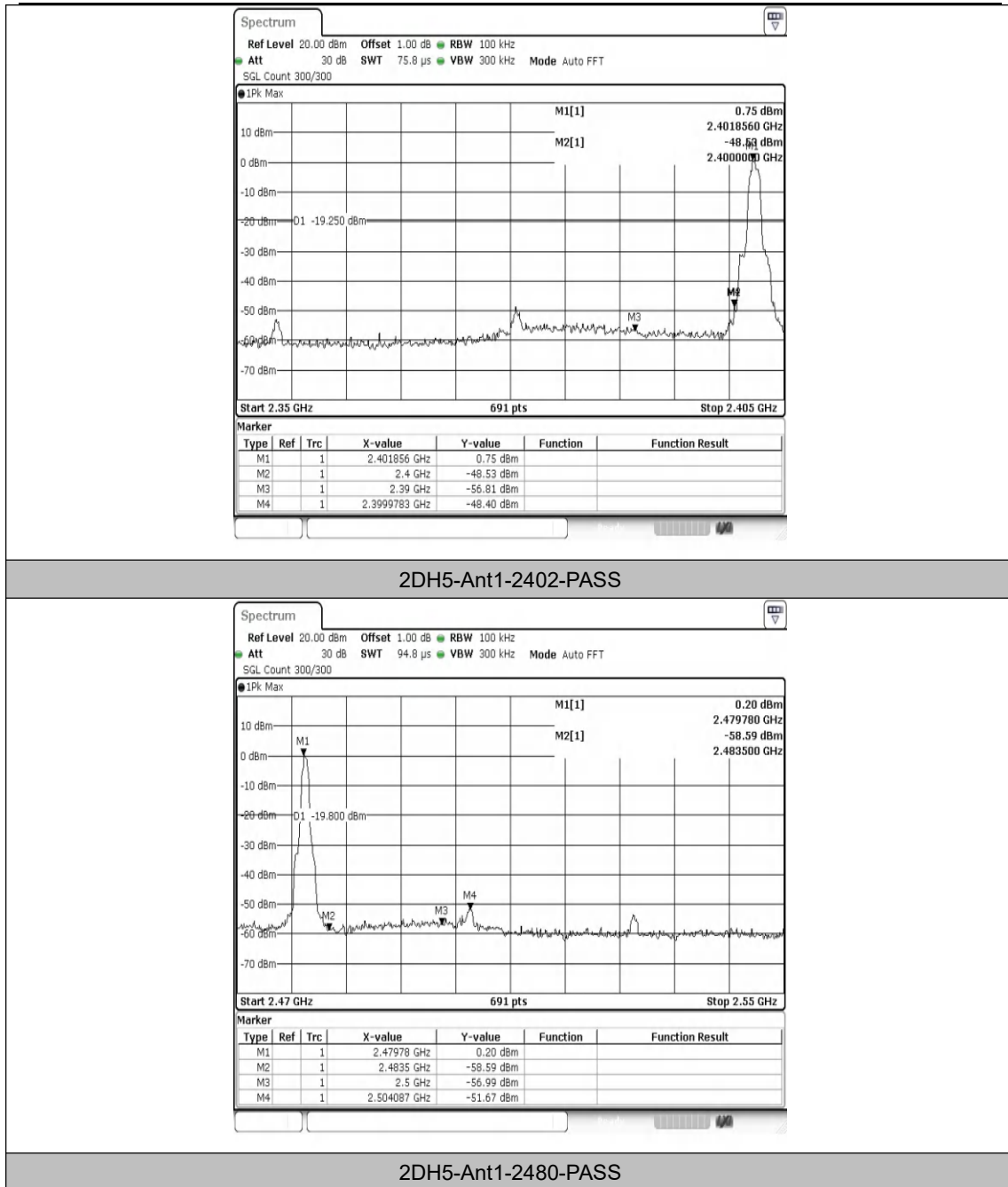
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

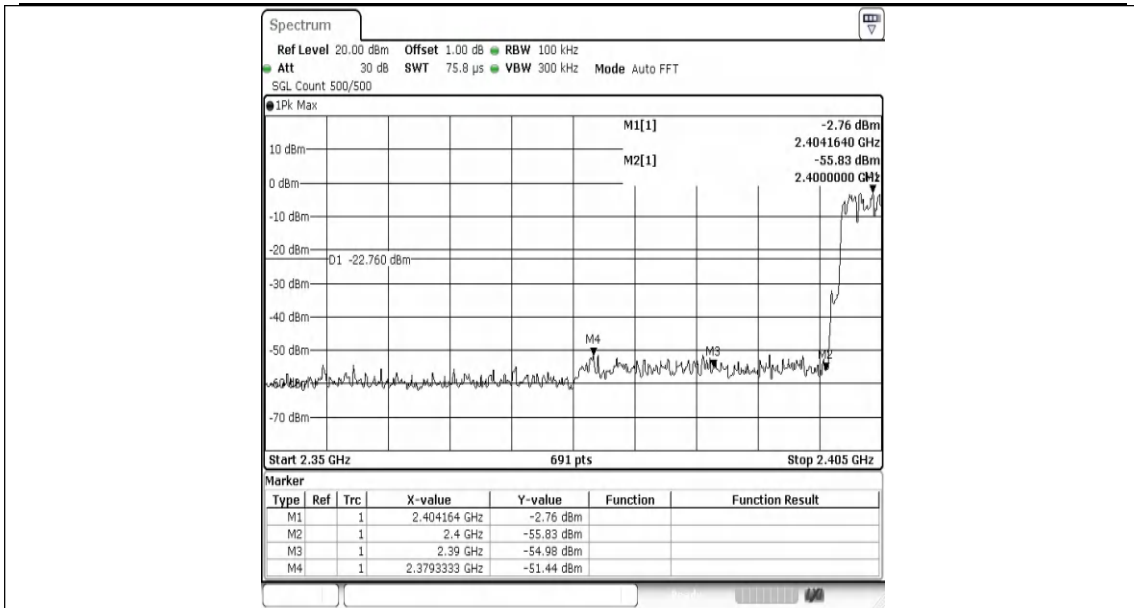


Test Graphs

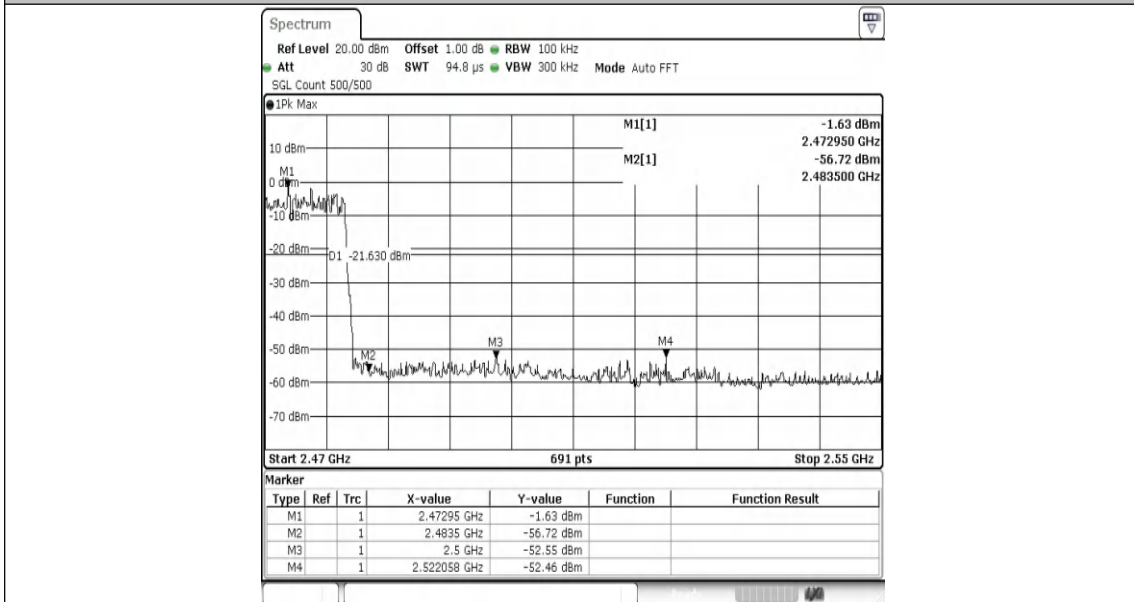






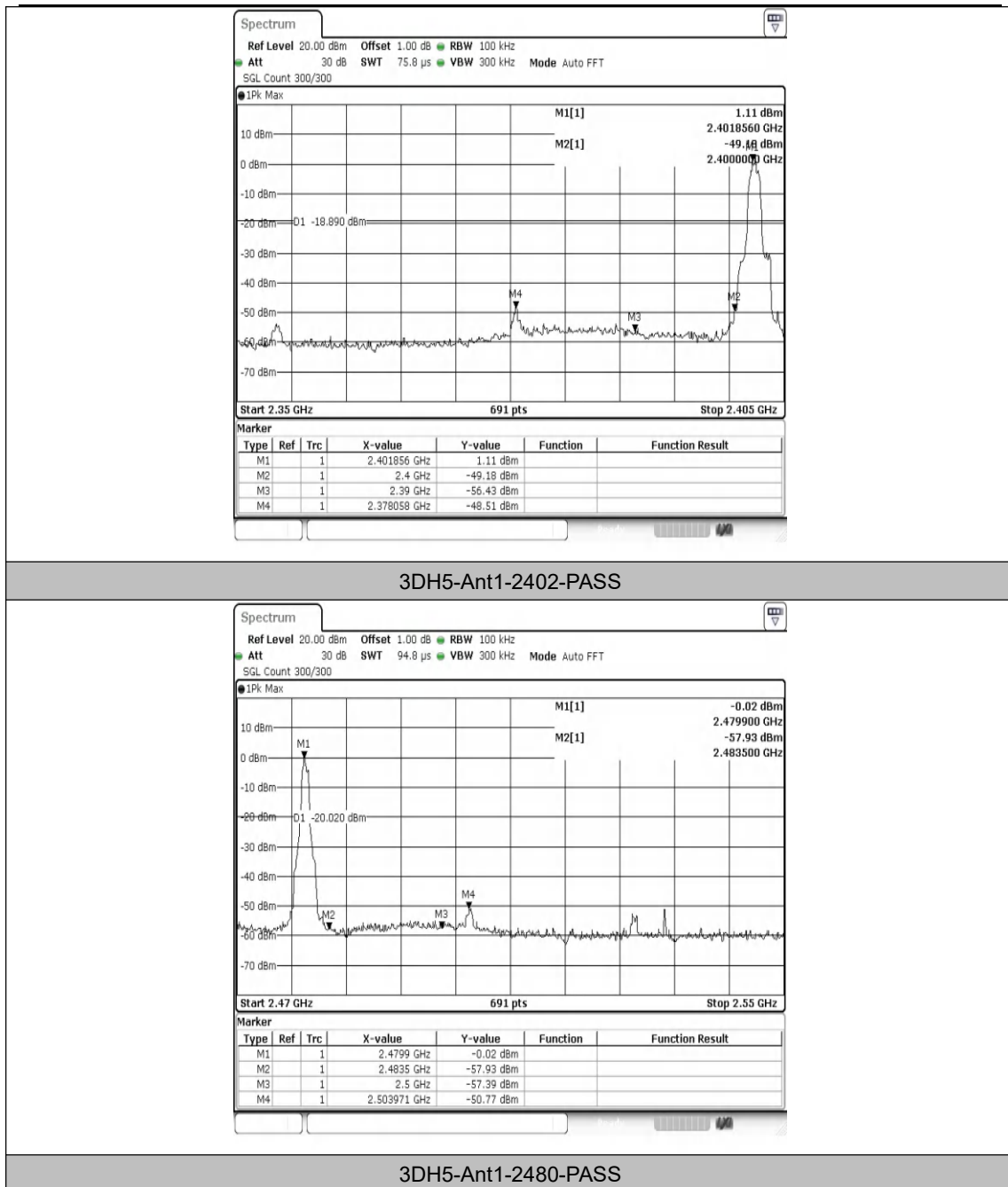


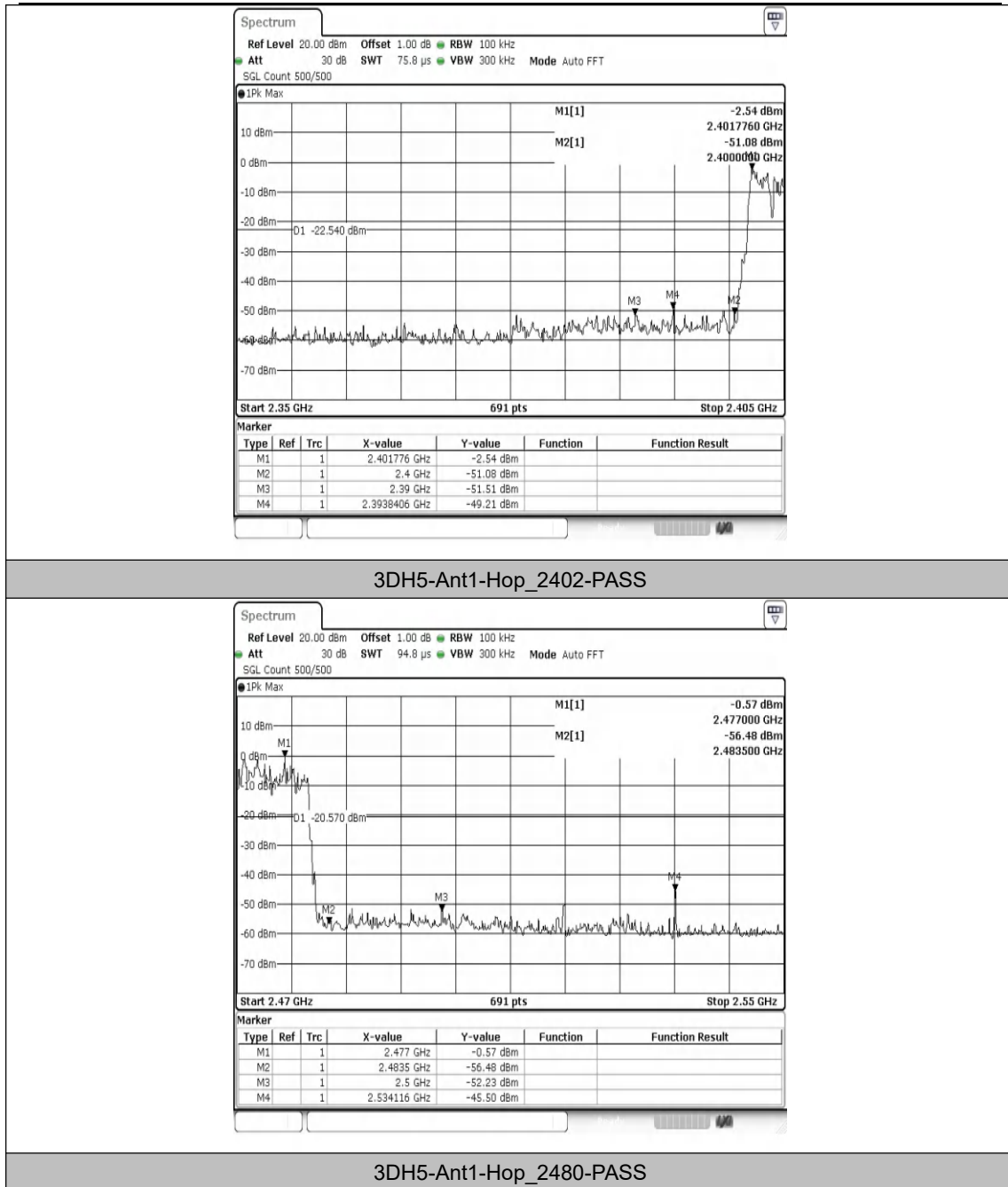
2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS







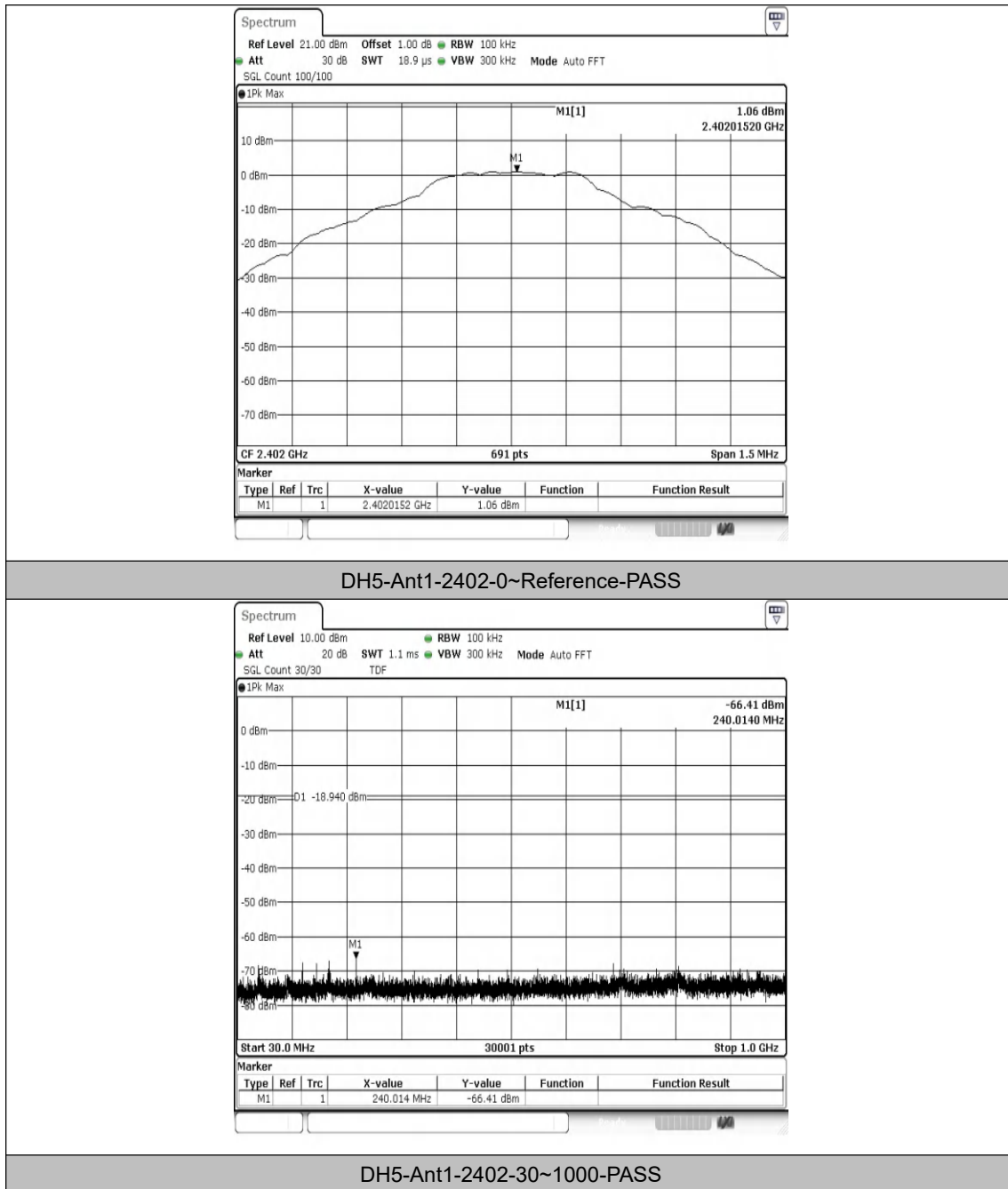
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.06	1.06	---	PASS
DH5	Ant1	2402	30~1000	1.06	-66.41	≤-18.94	PASS
DH5	Ant1	2402	1000~26500	1.06	-39.82	≤-18.94	PASS
DH5	Ant1	2441	0~Reference	0.71	0.71	---	PASS
DH5	Ant1	2441	30~1000	0.71	-66.08	≤-19.29	PASS
DH5	Ant1	2441	1000~26500	0.71	-39.88	≤-19.29	PASS
DH5	Ant1	2480	0~Reference	-0.15	-0.15	---	PASS
DH5	Ant1	2480	30~1000	-0.15	-66.68	≤-20.15	PASS
DH5	Ant1	2480	1000~26500	-0.15	-38.78	≤-20.15	PASS
2DH5	Ant1	2402	0~Reference	-1.04	-1.04	---	PASS
2DH5	Ant1	2402	30~1000	-1.04	-64.61	≤-21.04	PASS
2DH5	Ant1	2402	1000~26500	-1.04	-39.91	≤-21.04	PASS
2DH5	Ant1	2441	0~Reference	0.71	0.71	---	PASS
2DH5	Ant1	2441	30~1000	0.71	-60.48	≤-19.29	PASS
2DH5	Ant1	2441	1000~26500	0.71	-42.64	≤-19.29	PASS
2DH5	Ant1	2480	0~Reference	-1.46	-1.46	---	PASS
2DH5	Ant1	2480	30~1000	-1.46	-62.79	≤-21.46	PASS
2DH5	Ant1	2480	1000~26500	-1.46	-39.97	≤-21.46	PASS
3DH5	Ant1	2402	0~Reference	1.18	1.18	---	PASS
3DH5	Ant1	2402	30~1000	1.18	-59.21	≤-18.82	PASS
3DH5	Ant1	2402	1000~26500	1.18	-42.2	≤-18.82	PASS
3DH5	Ant1	2441	0~Reference	-0.67	-0.67	---	PASS
3DH5	Ant1	2441	30~1000	-0.67	-58.75	≤-20.67	PASS
3DH5	Ant1	2441	1000~26500	-0.67	-40.41	≤-20.67	PASS
3DH5	Ant1	2480	0~Reference	-3.21	-3.21	---	PASS
3DH5	Ant1	2480	30~1000	-3.21	-64.04	≤-23.21	PASS
3DH5	Ant1	2480	1000~26500	-3.21	-38.43	≤-23.21	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.

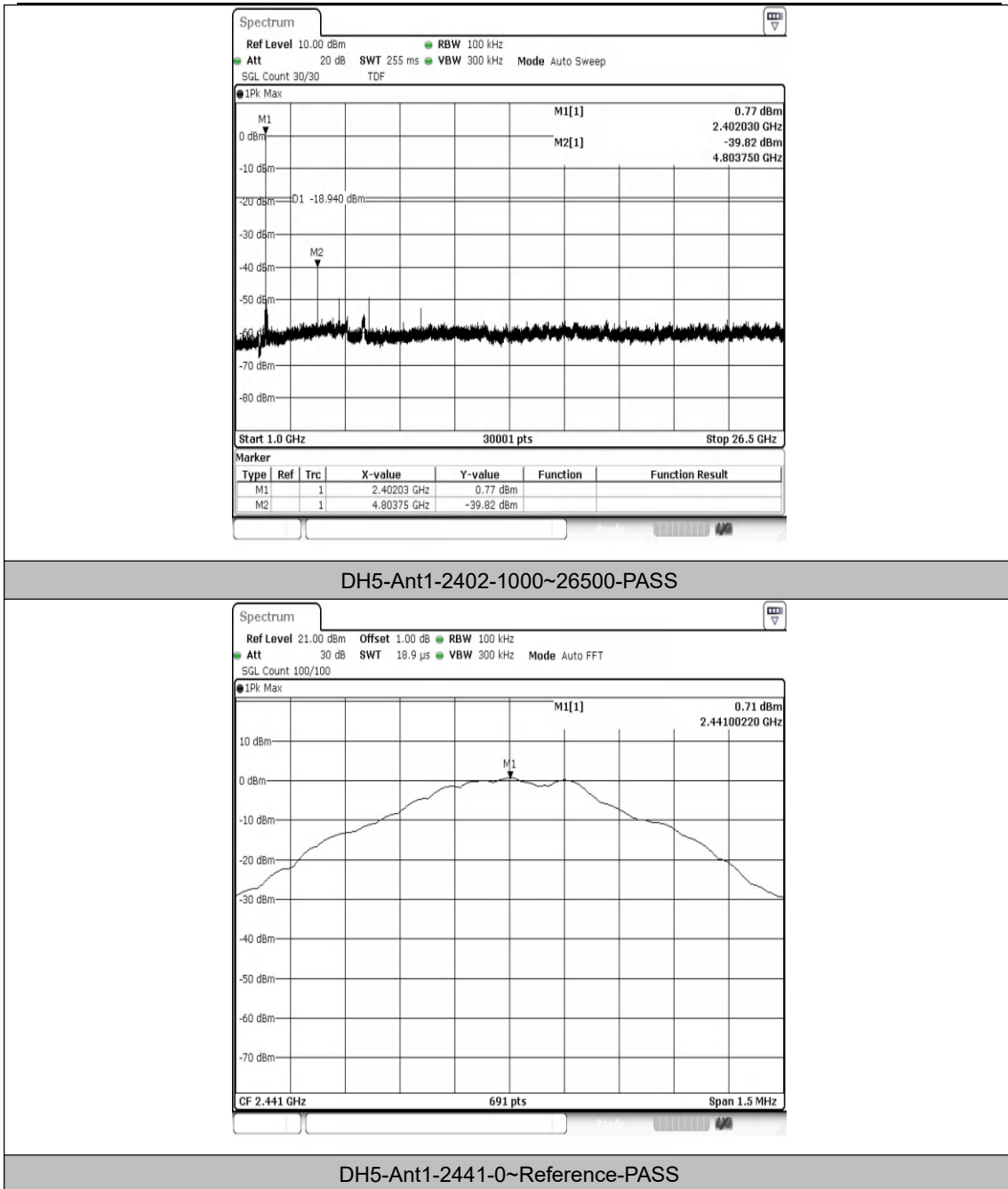
Test Graphs



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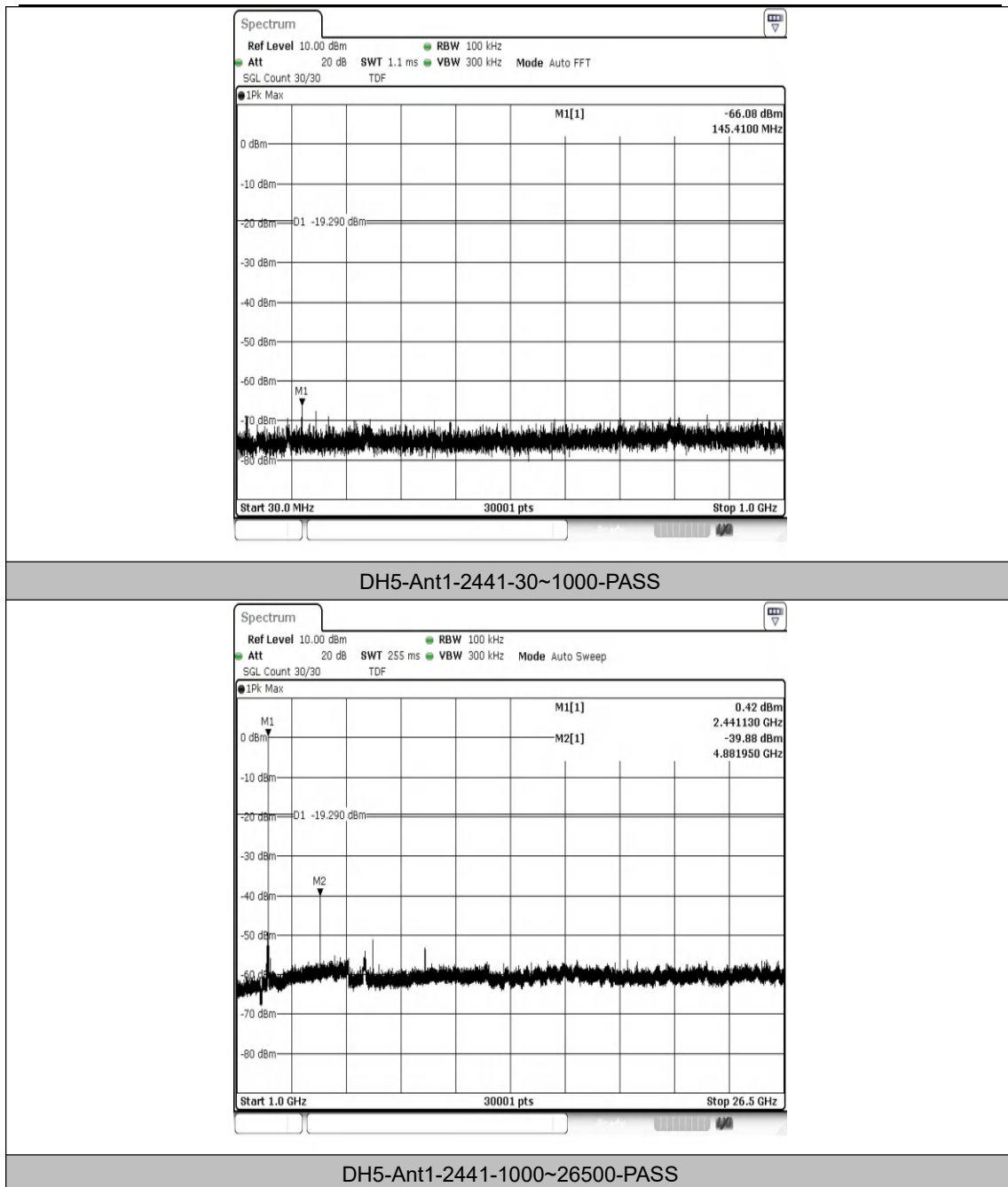
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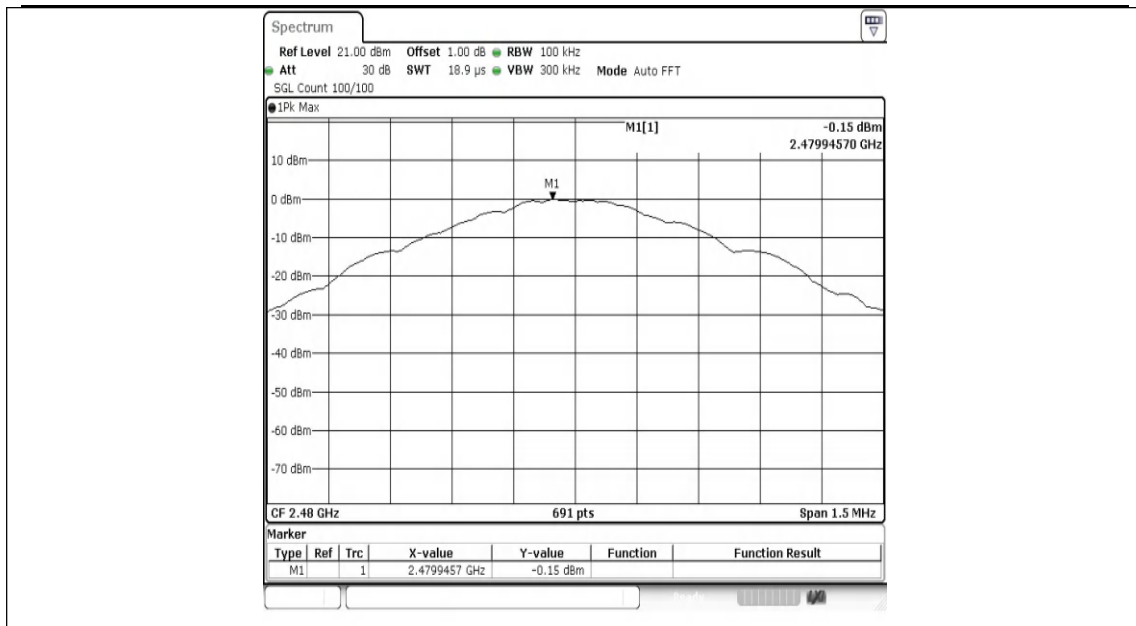
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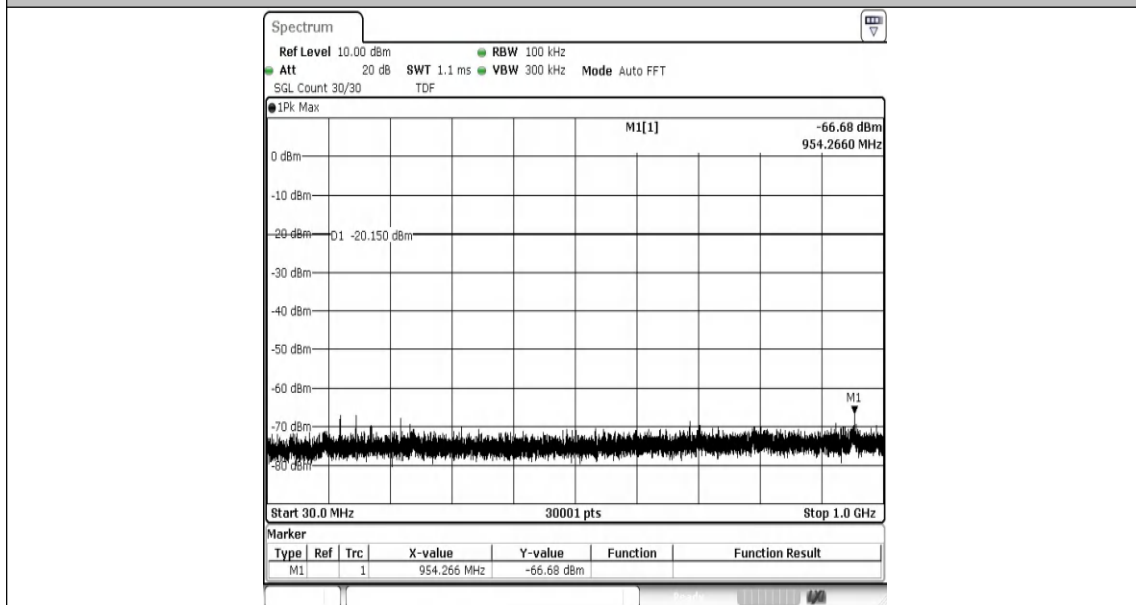
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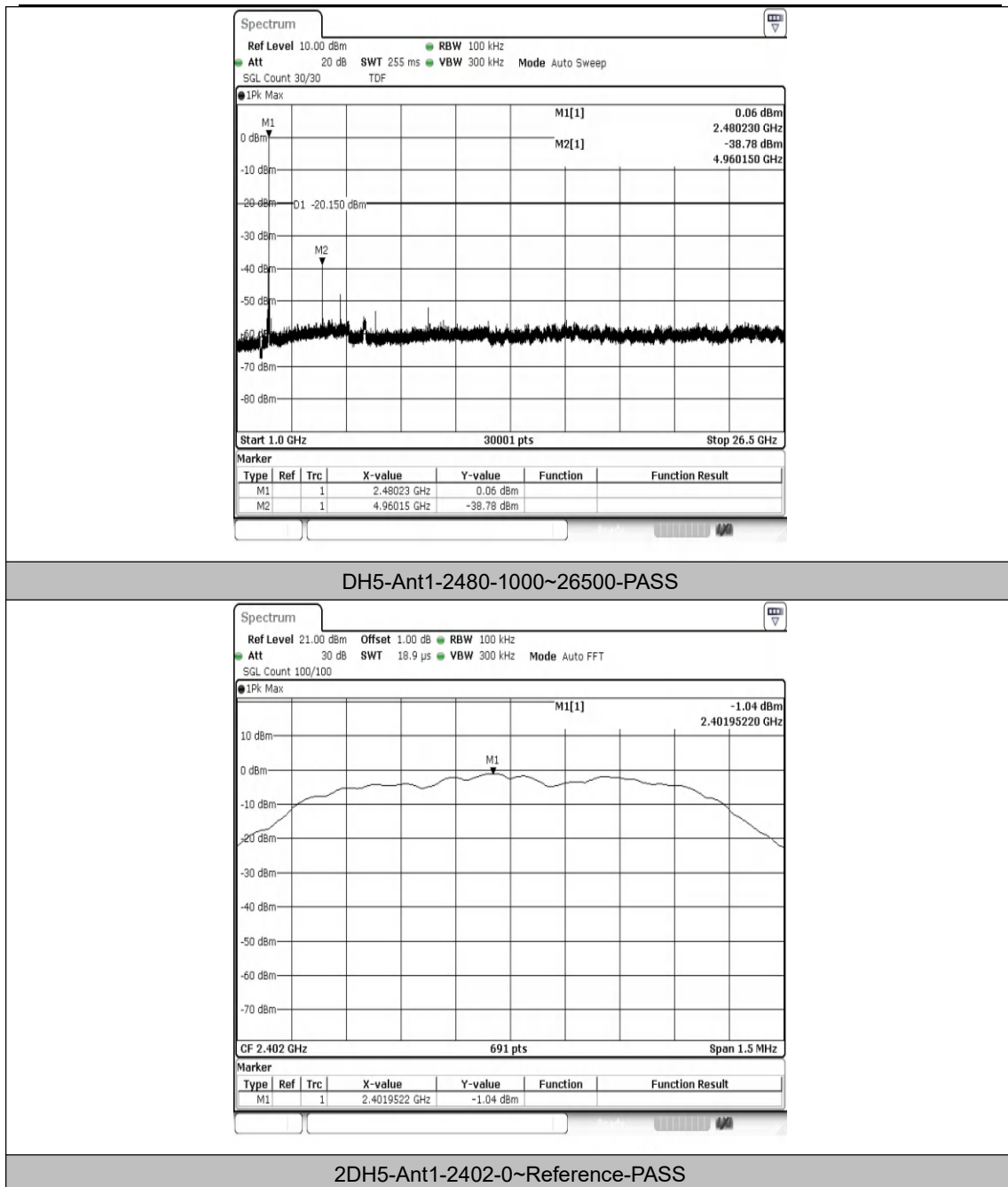
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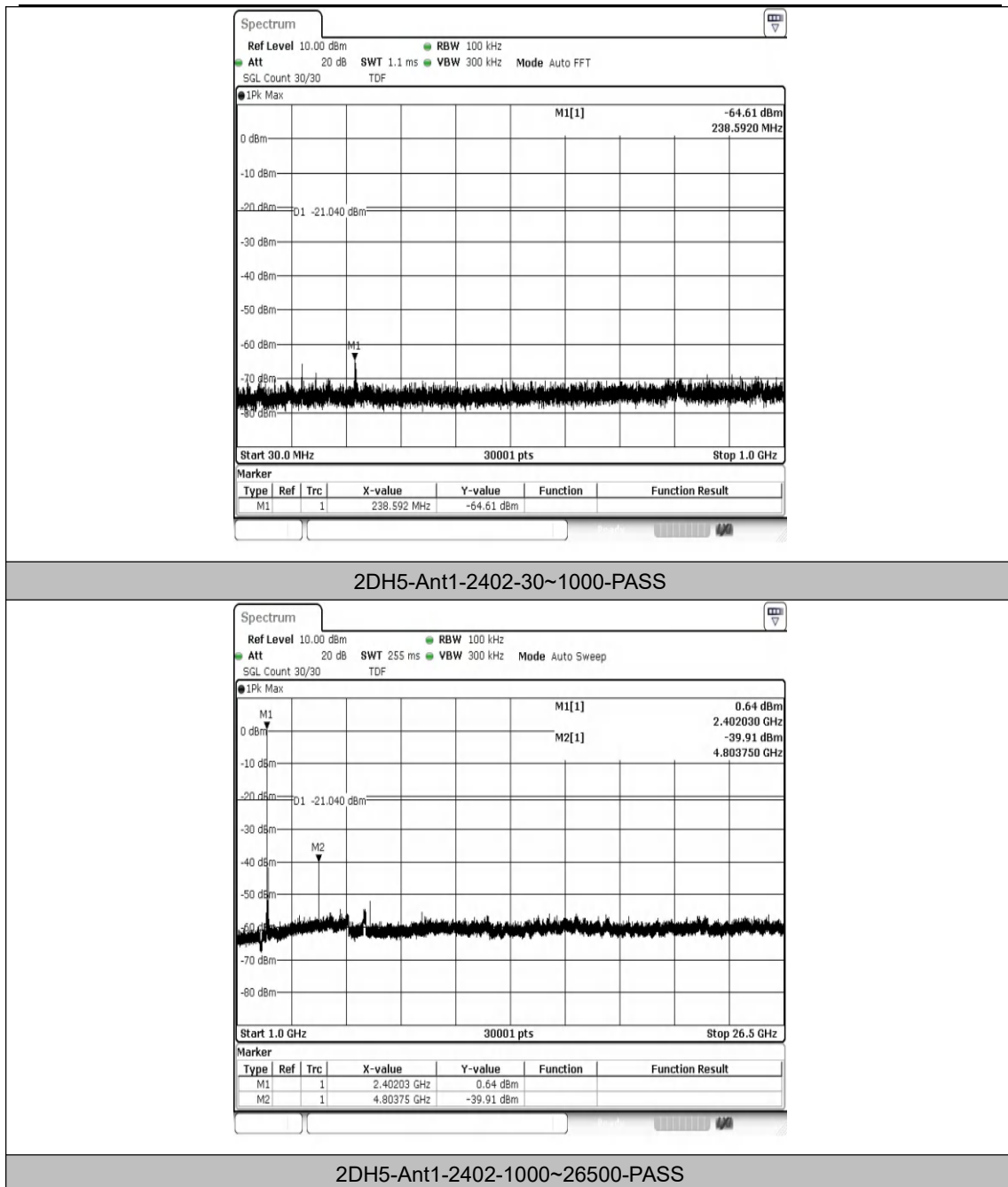


DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

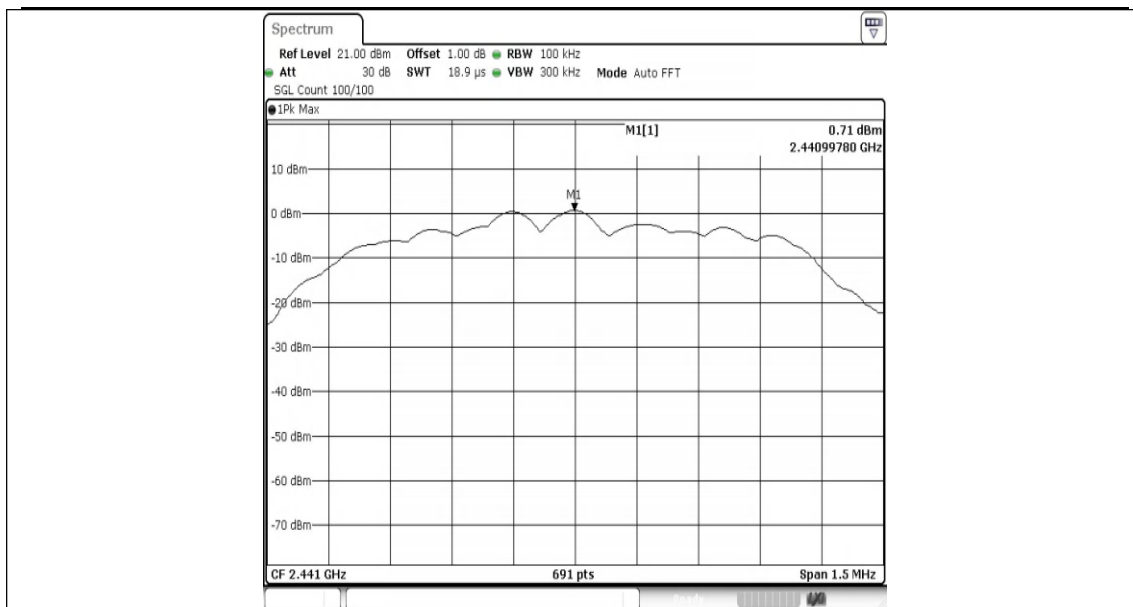




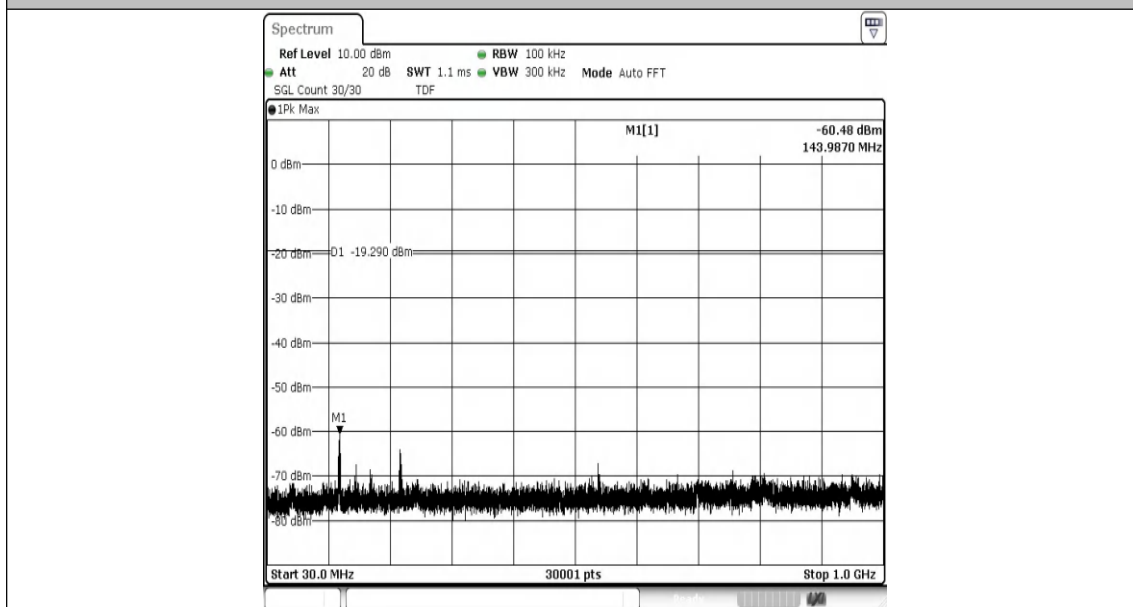
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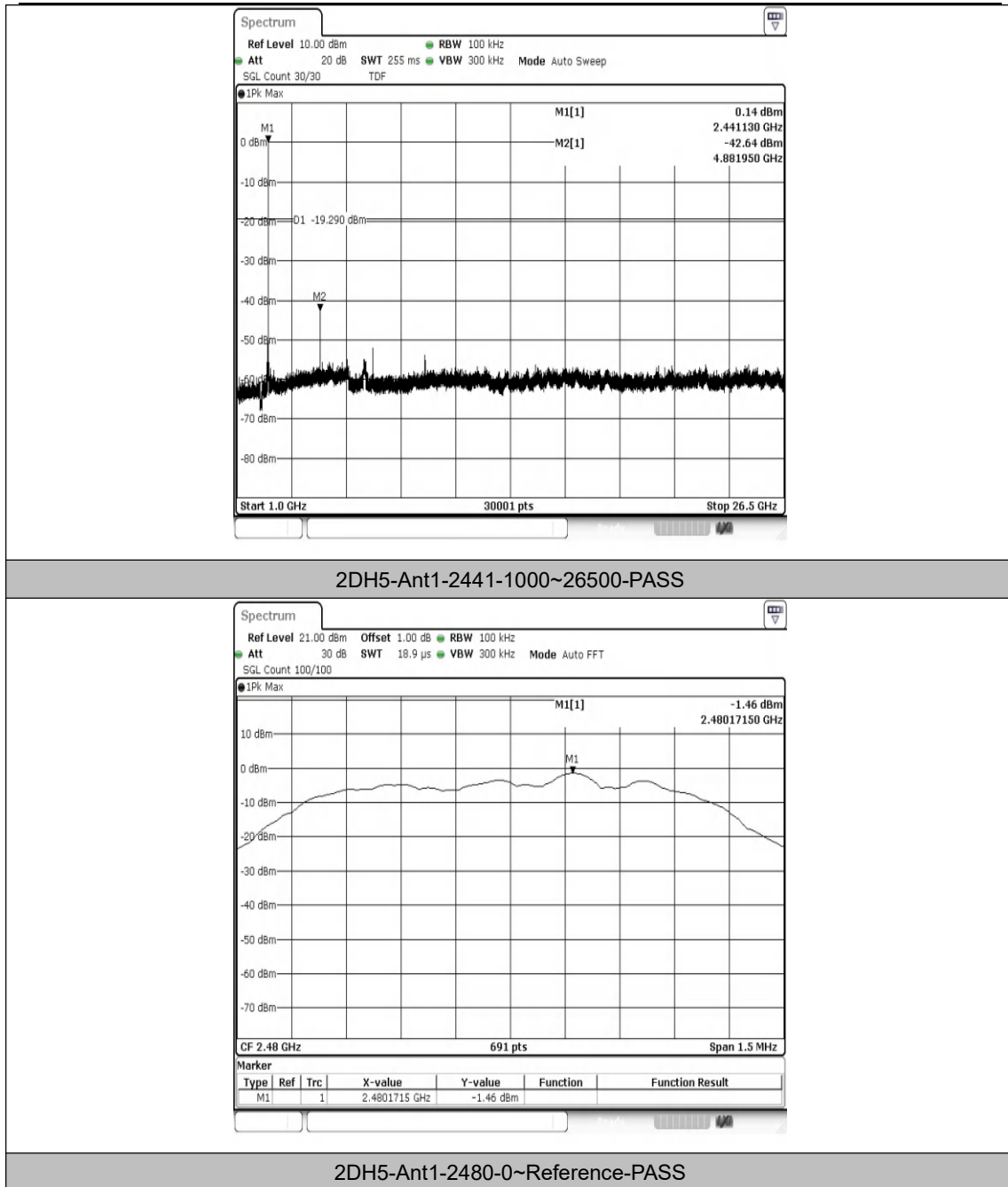
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2DH5-Ant1-2441-0~Reference-PASS



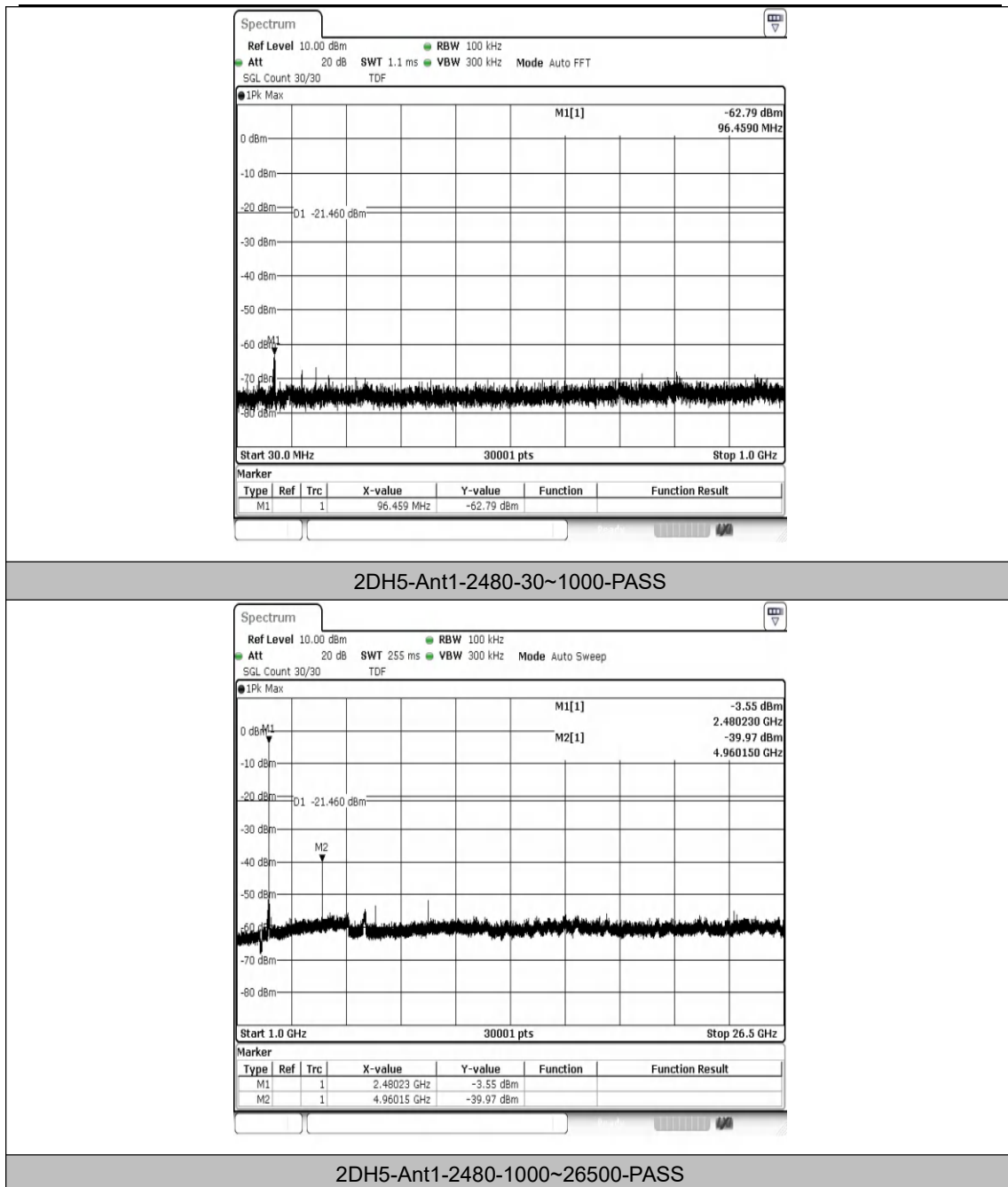
2DH5-Ant1-2441-30~1000-PASS

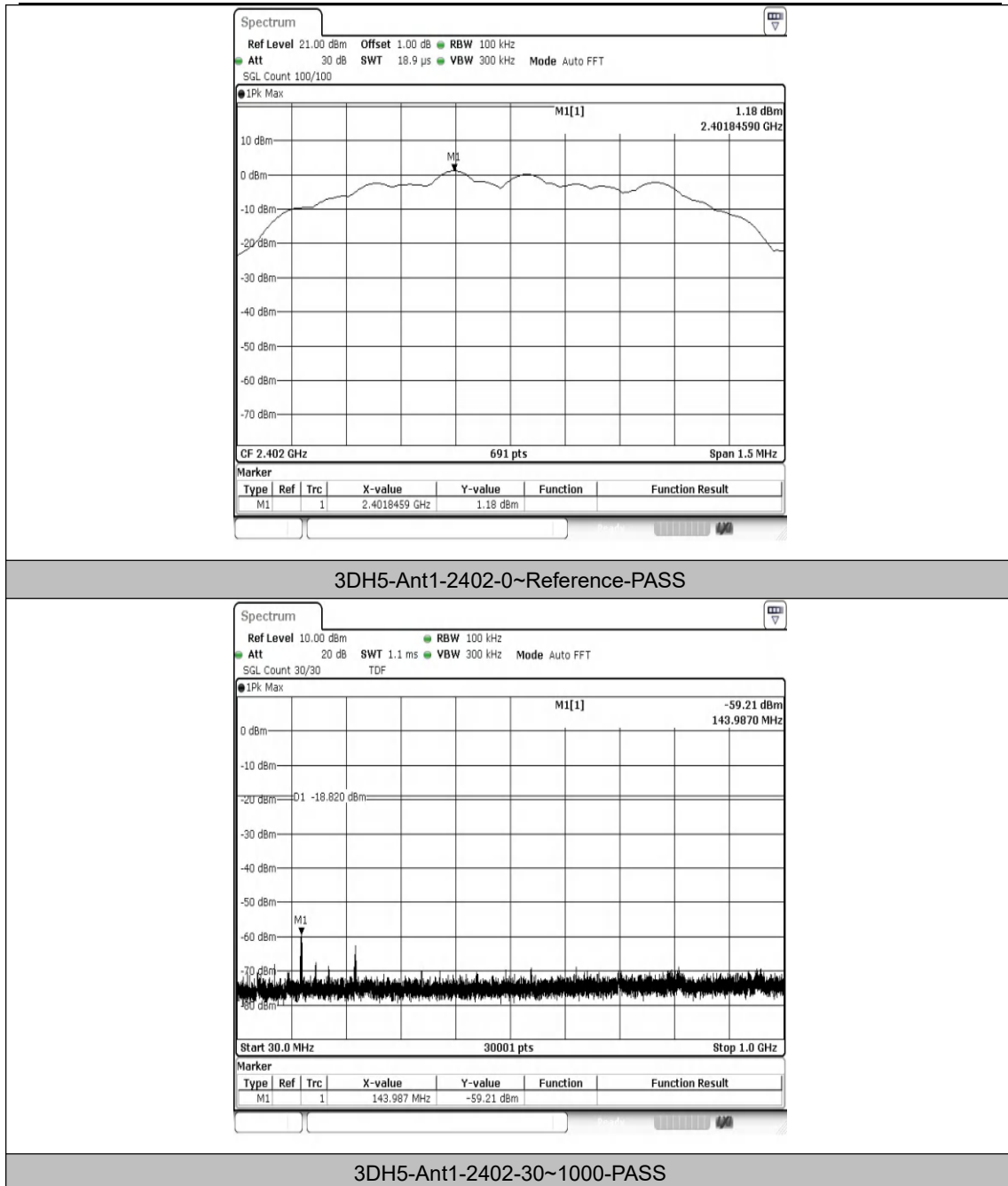


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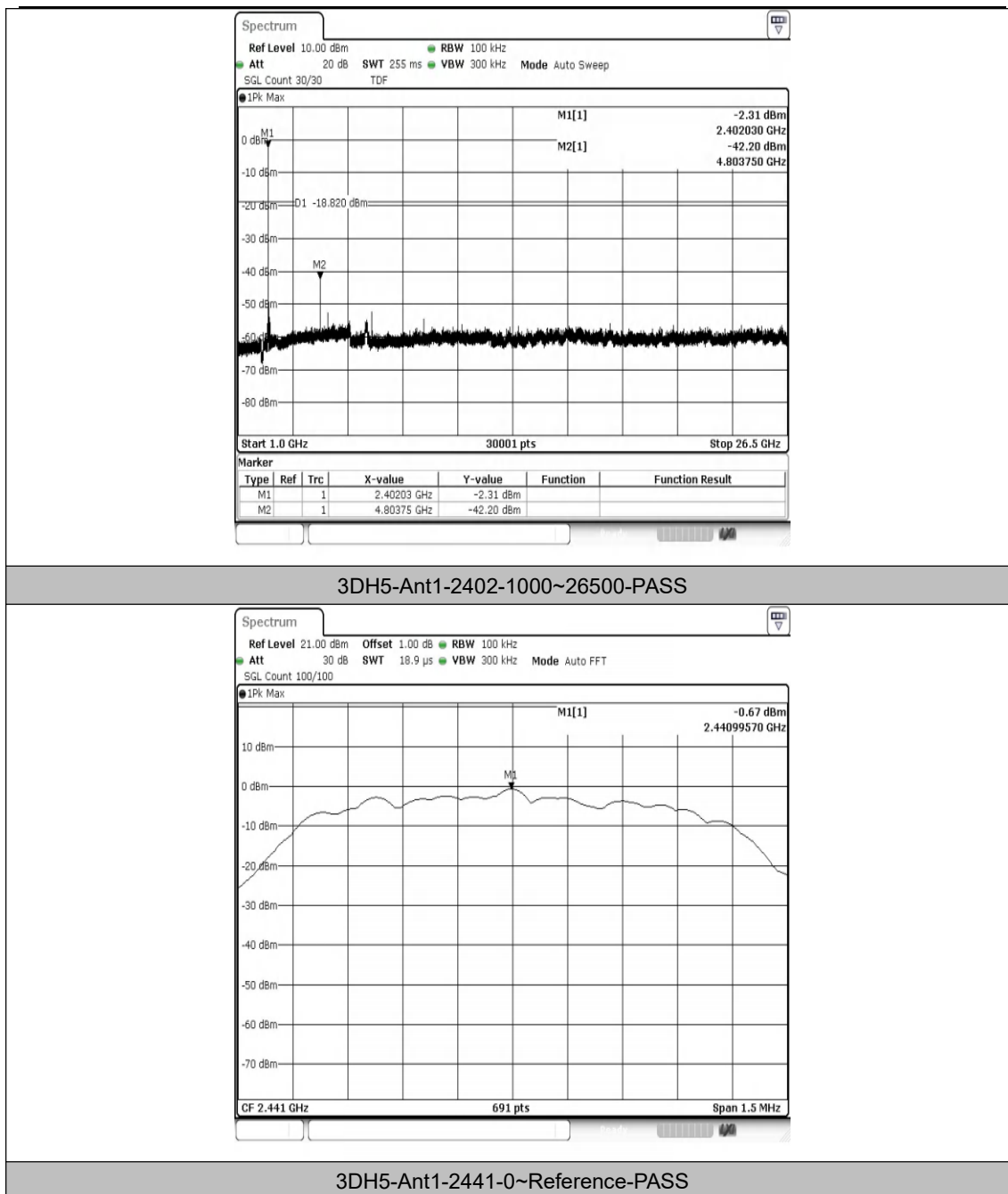




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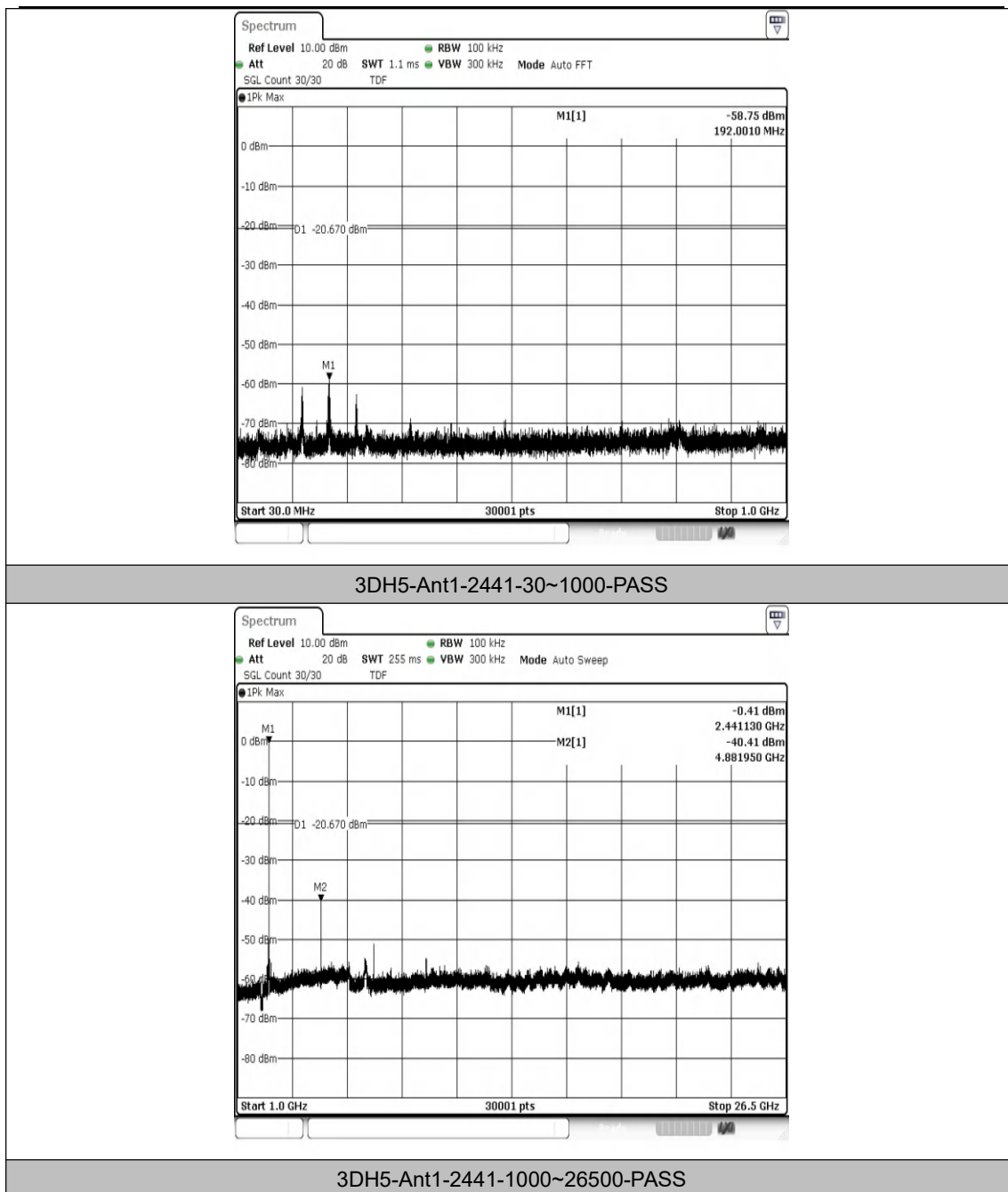
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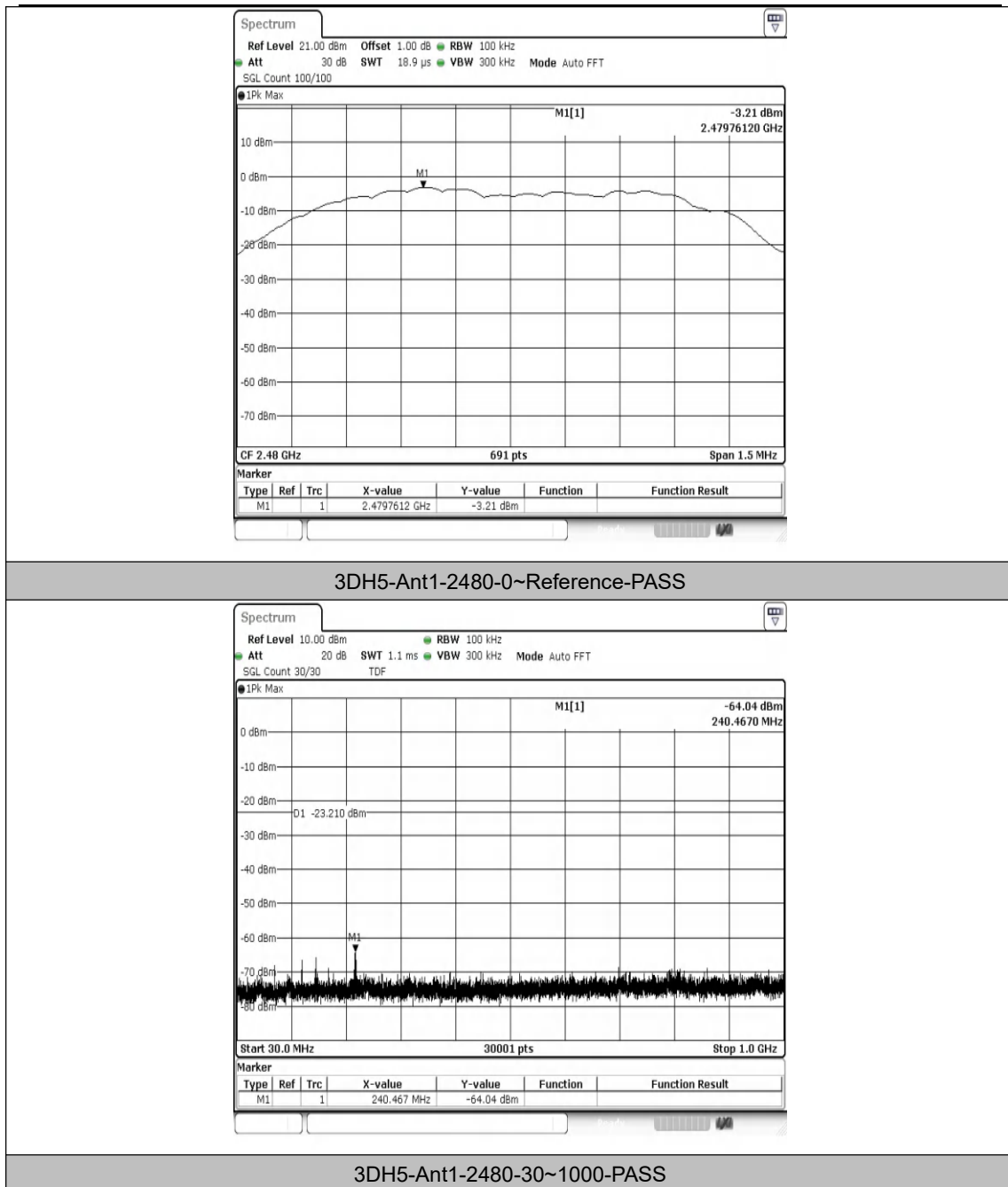


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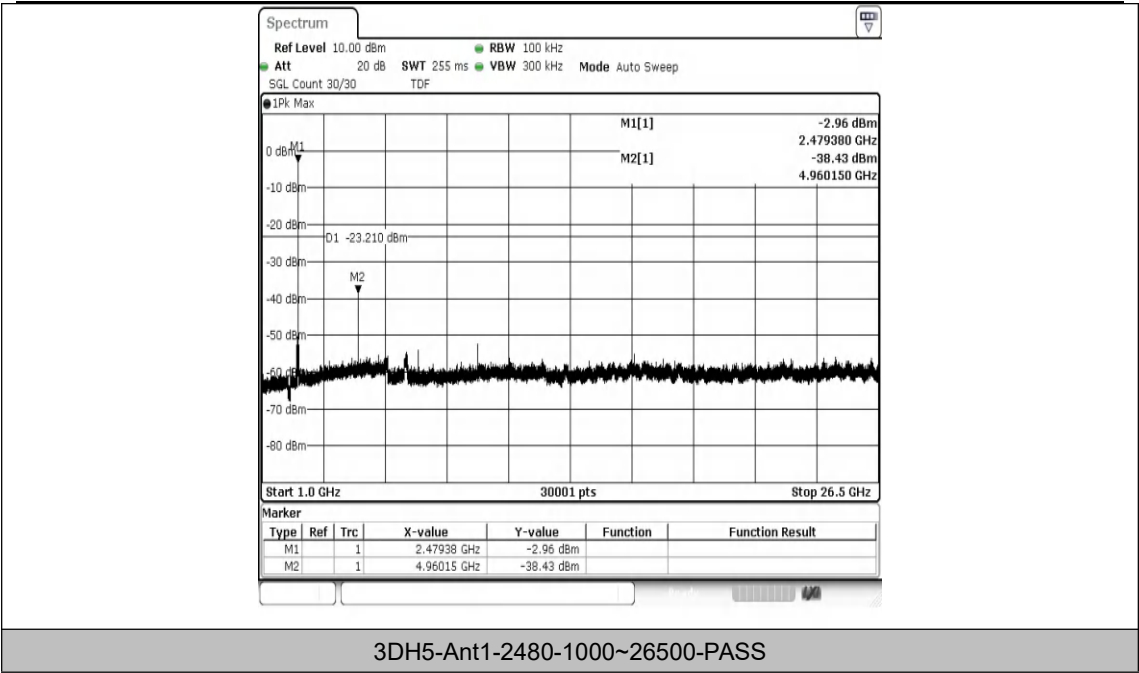




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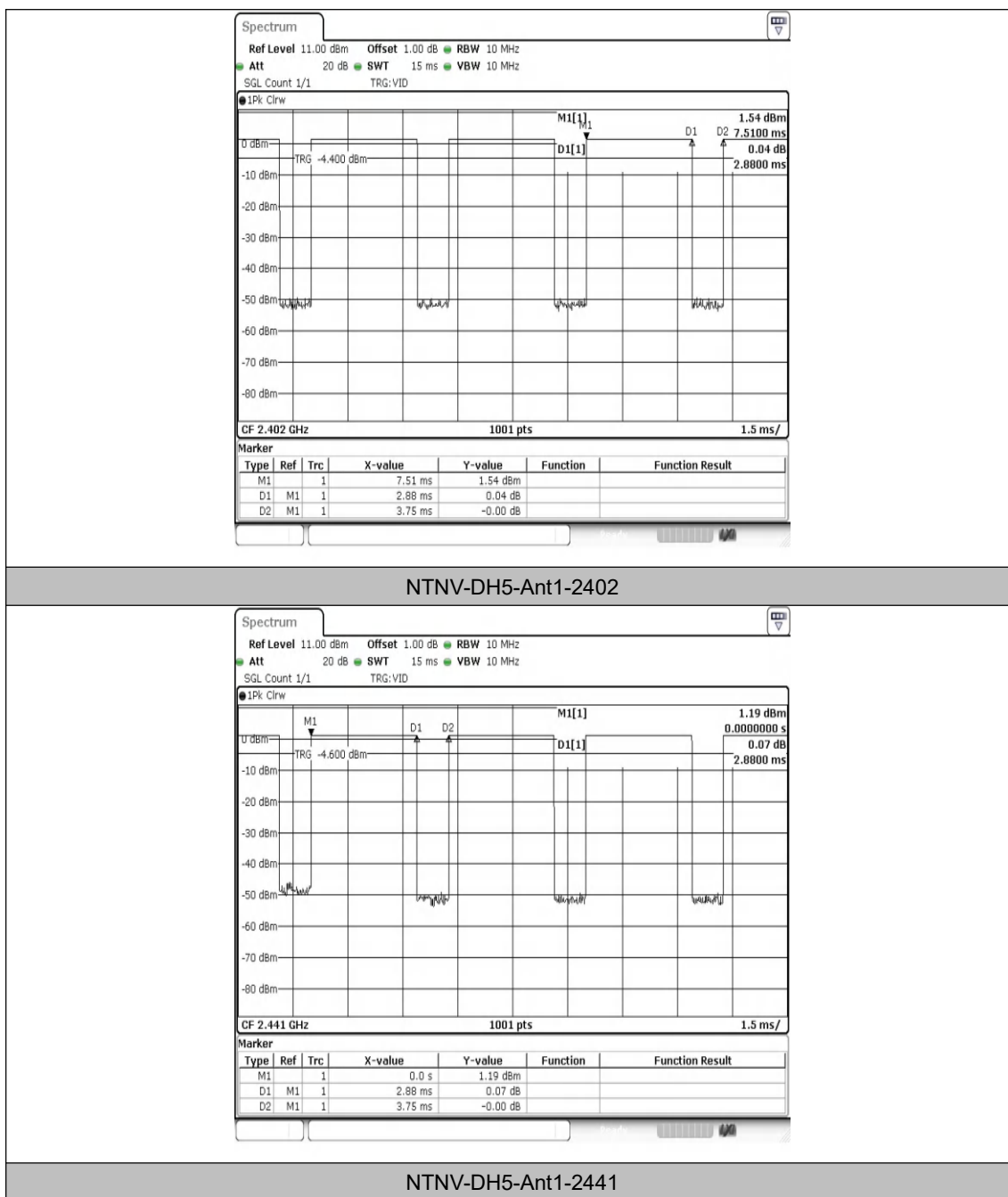
Appendix I: Duty Cycle

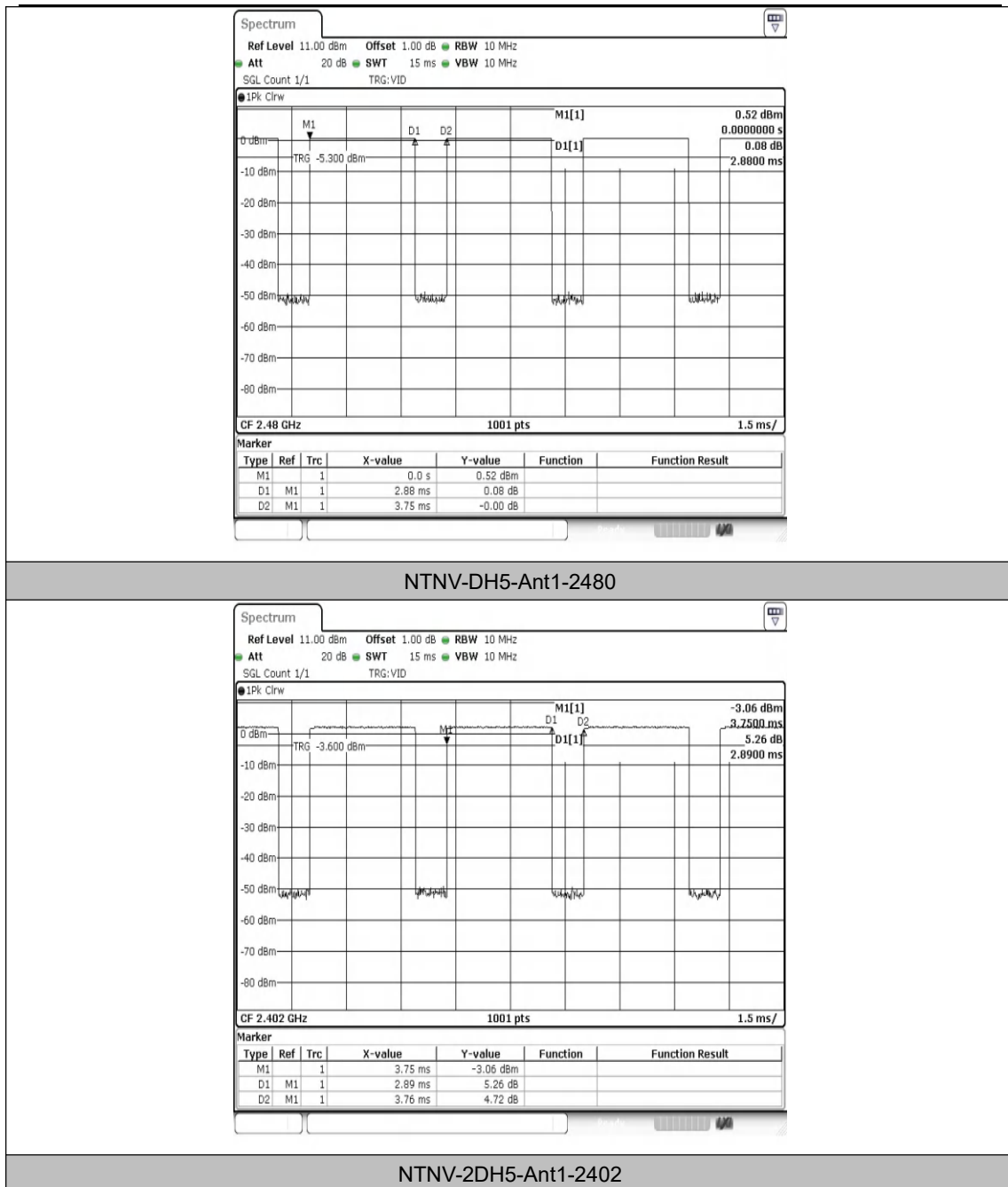
Test Result

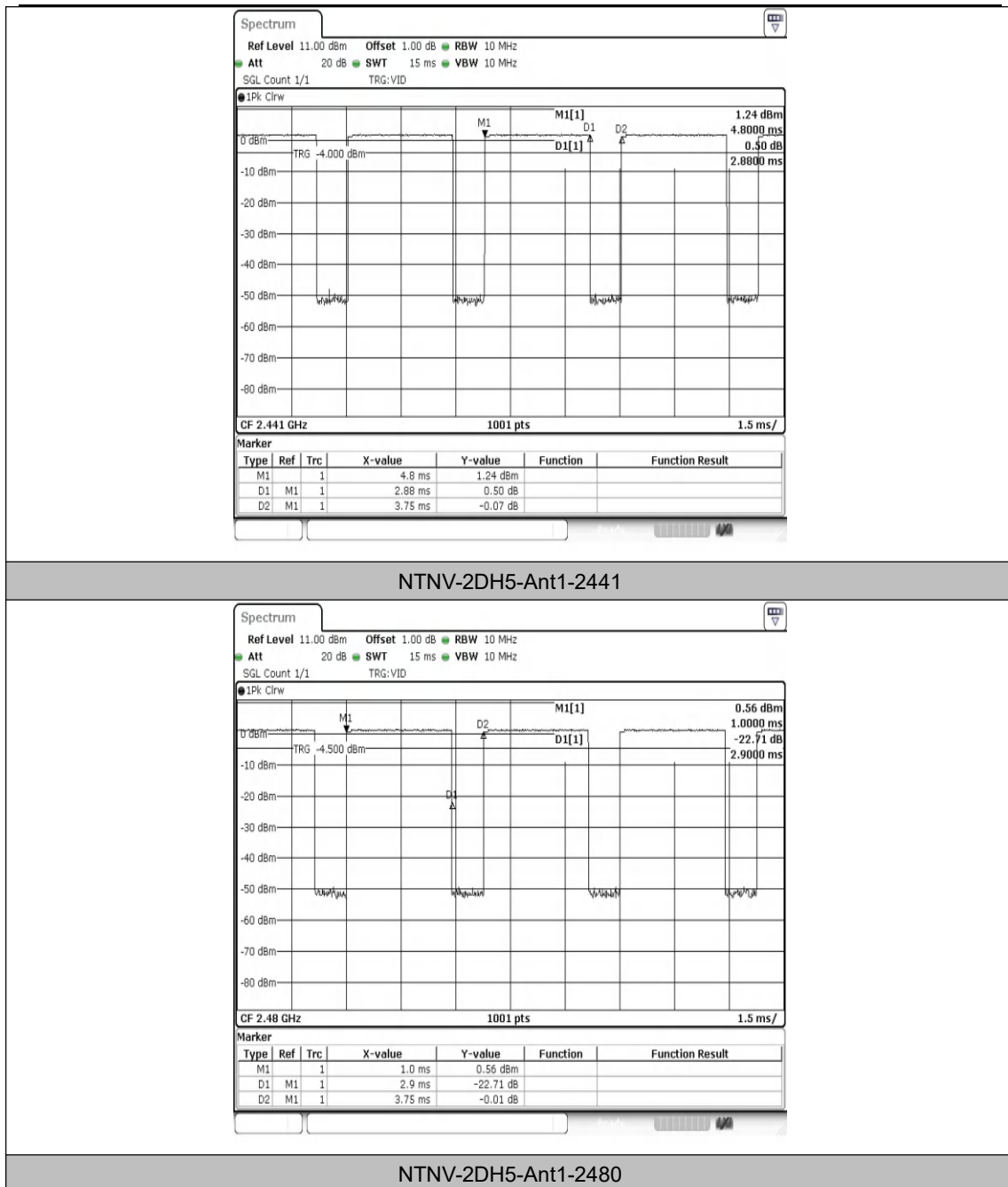
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.76	76.86	1.14
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

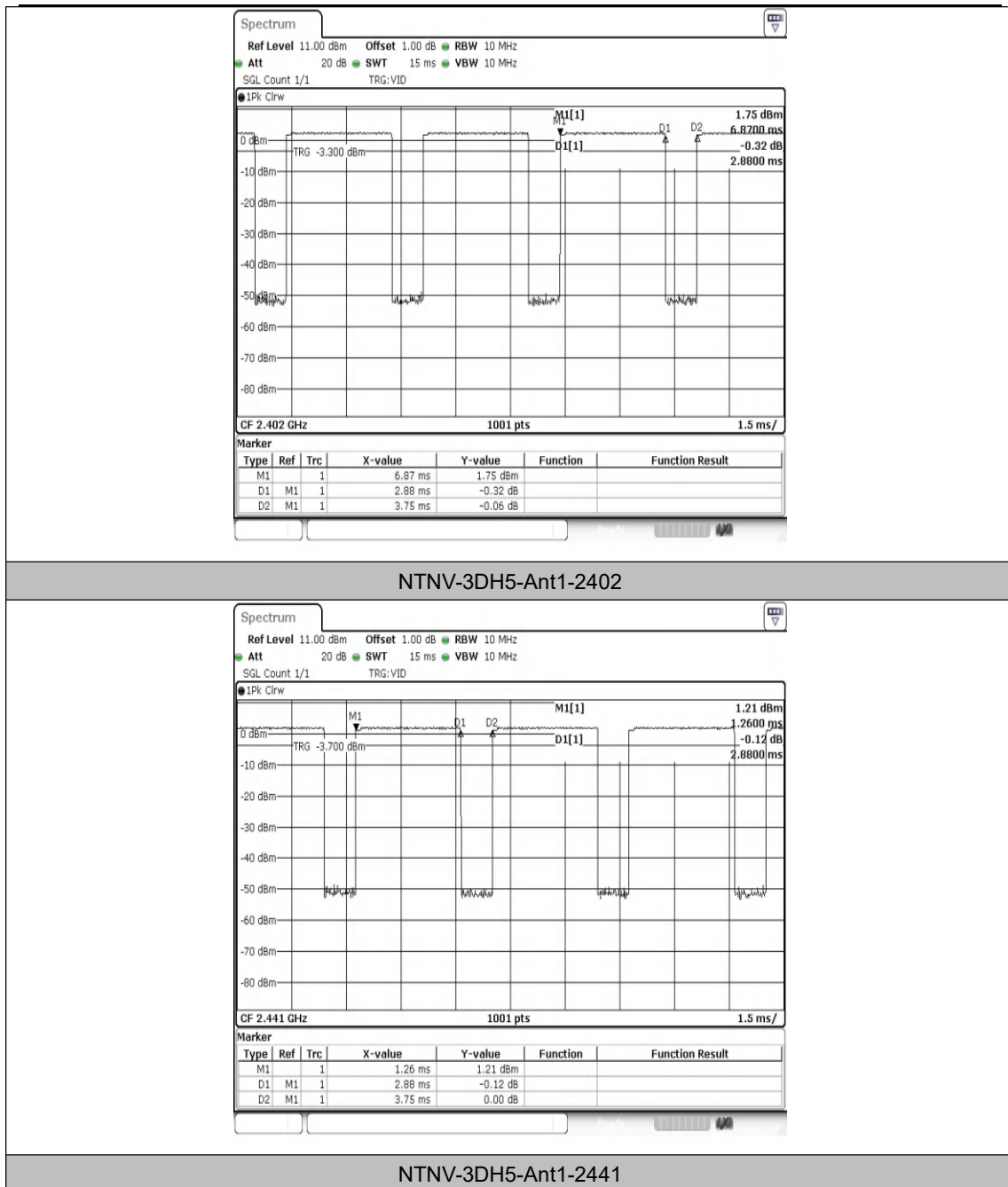


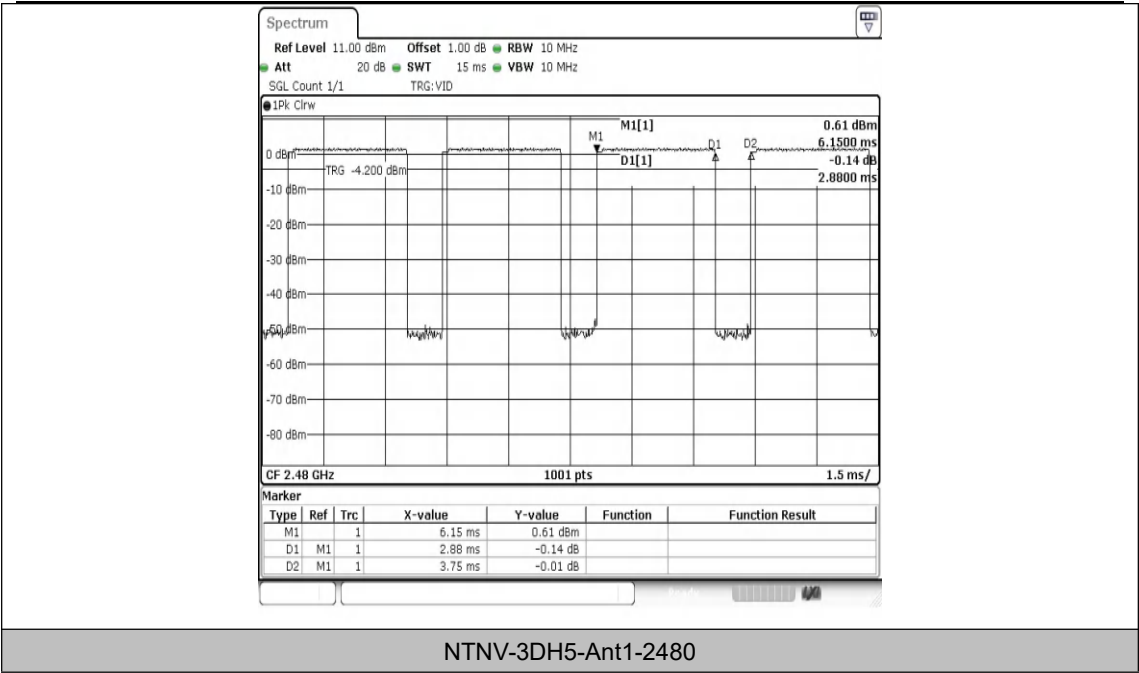
Test Graphs











---End---