

Appendix Test Data

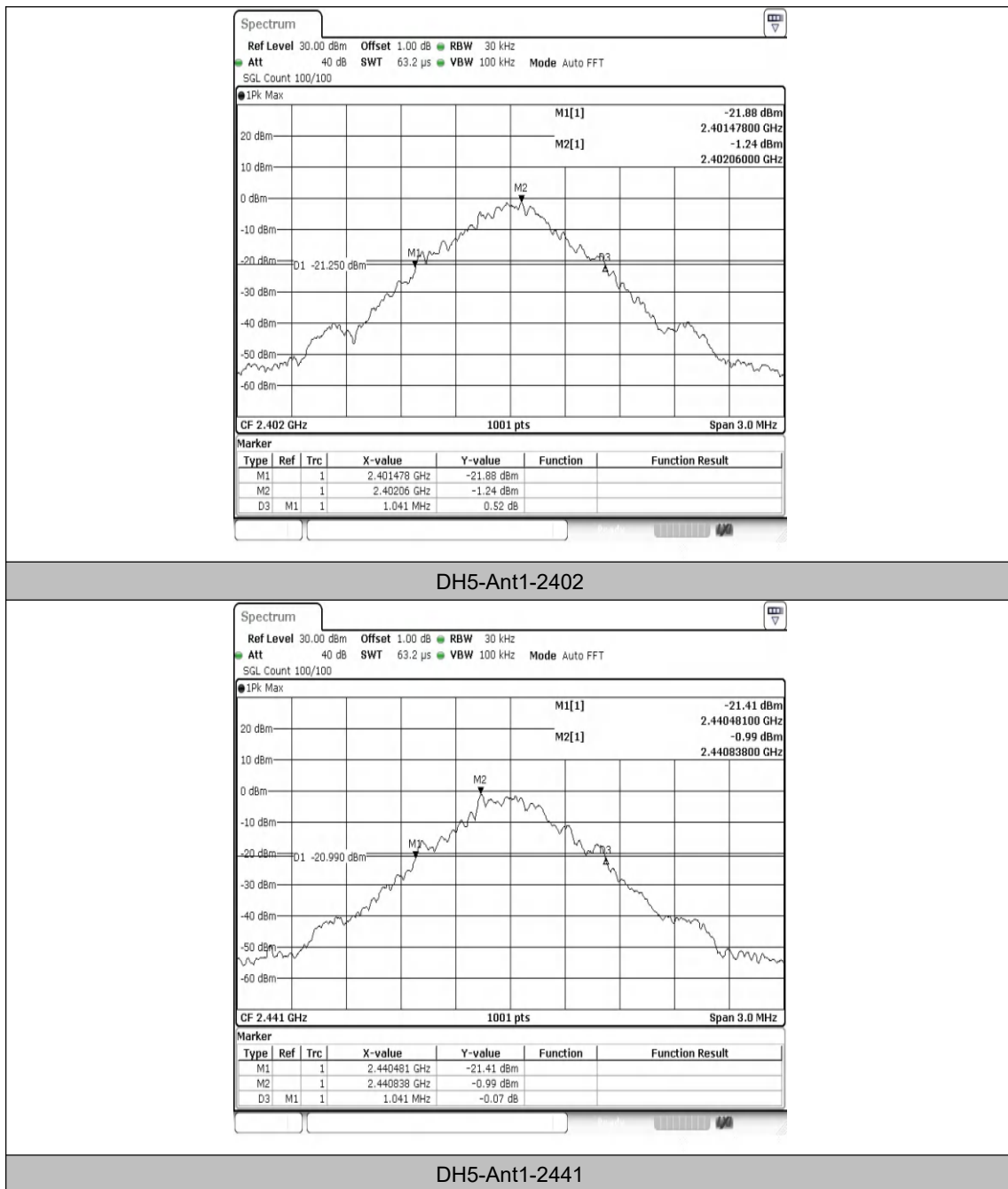
Report No.:	1812C50339712502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-7-24
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.0°C	Relative Humidity:	44%
Pressure:	101kPa		

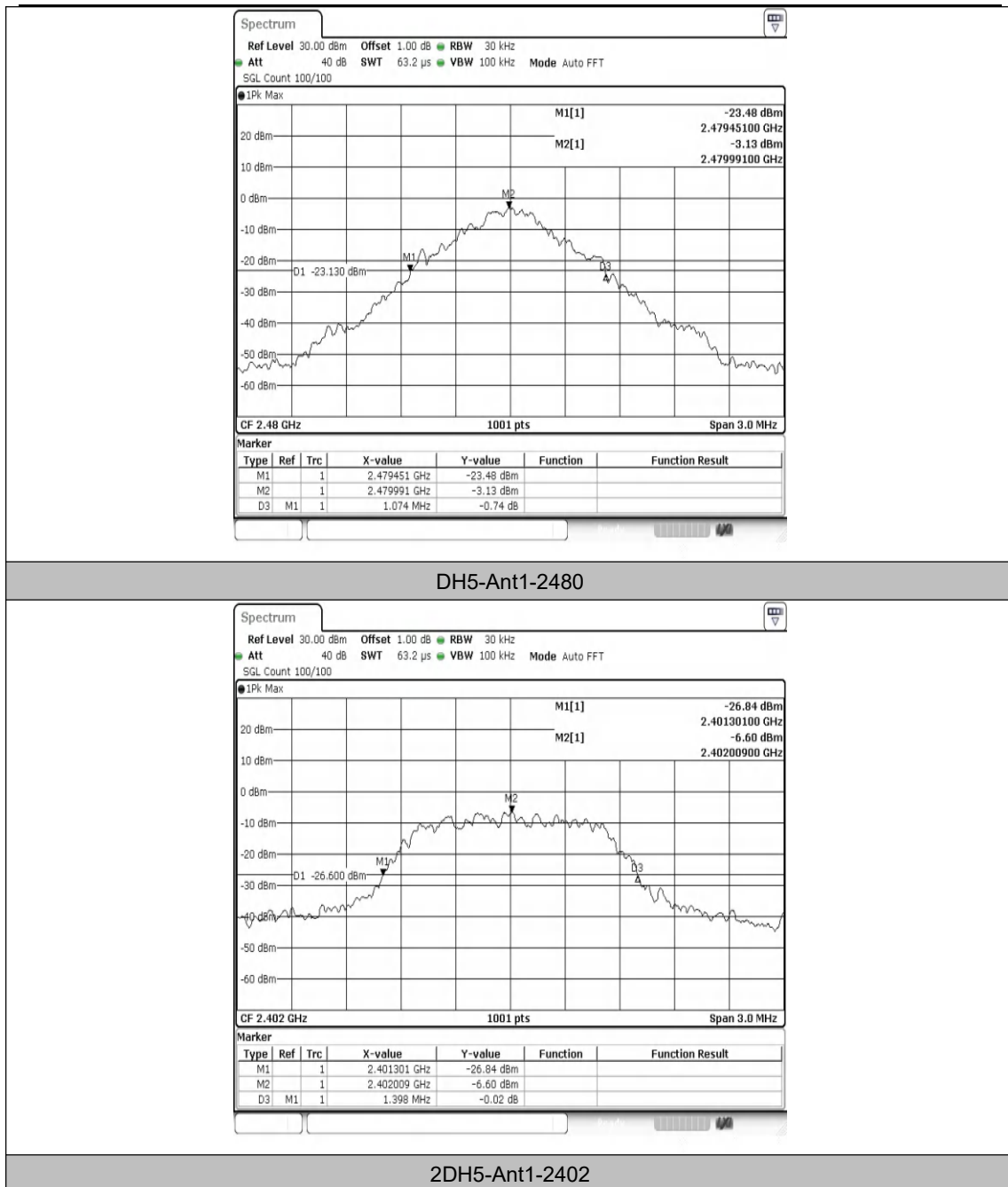
Appendix A: 20dB Bandwidth

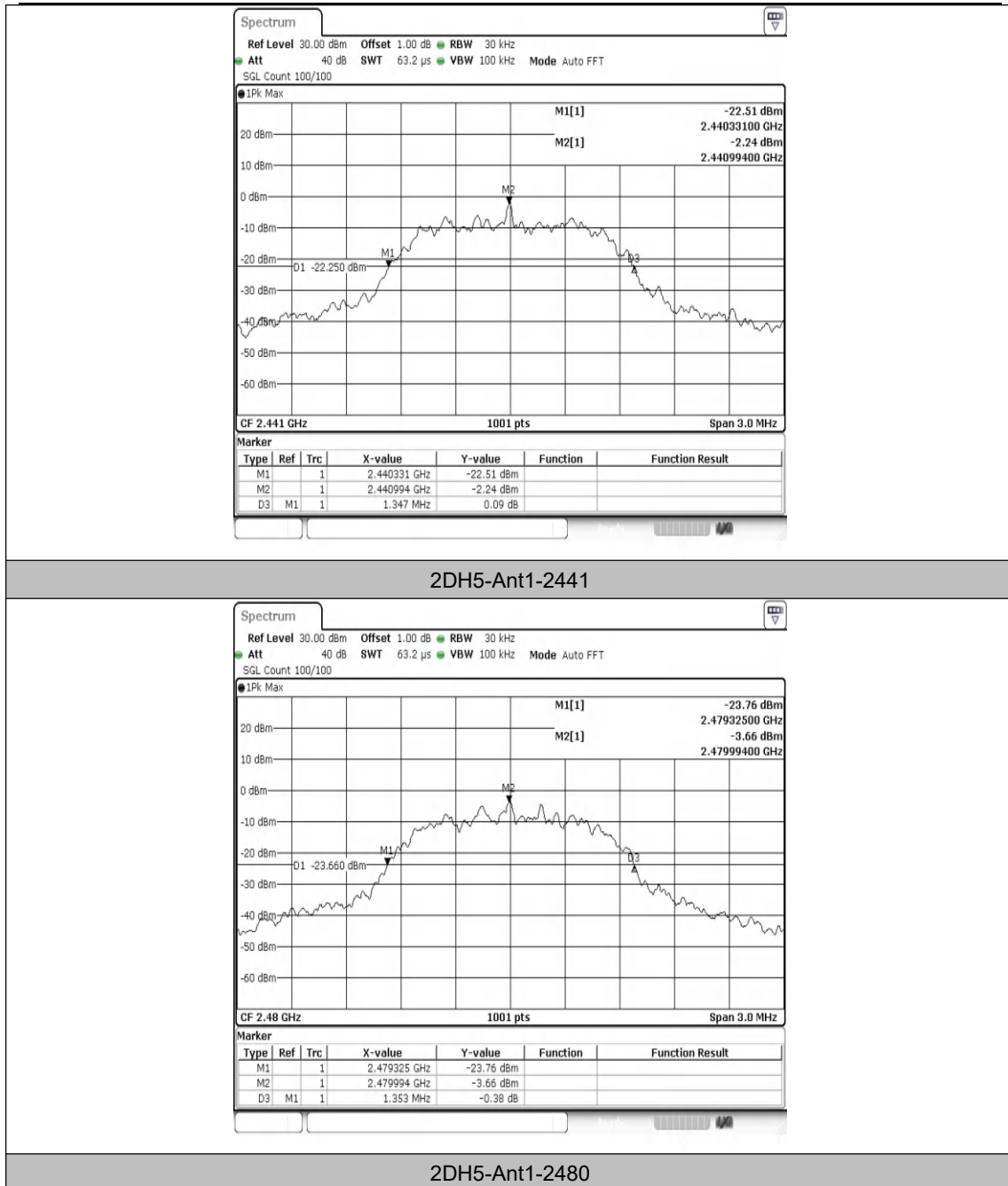
Test Result

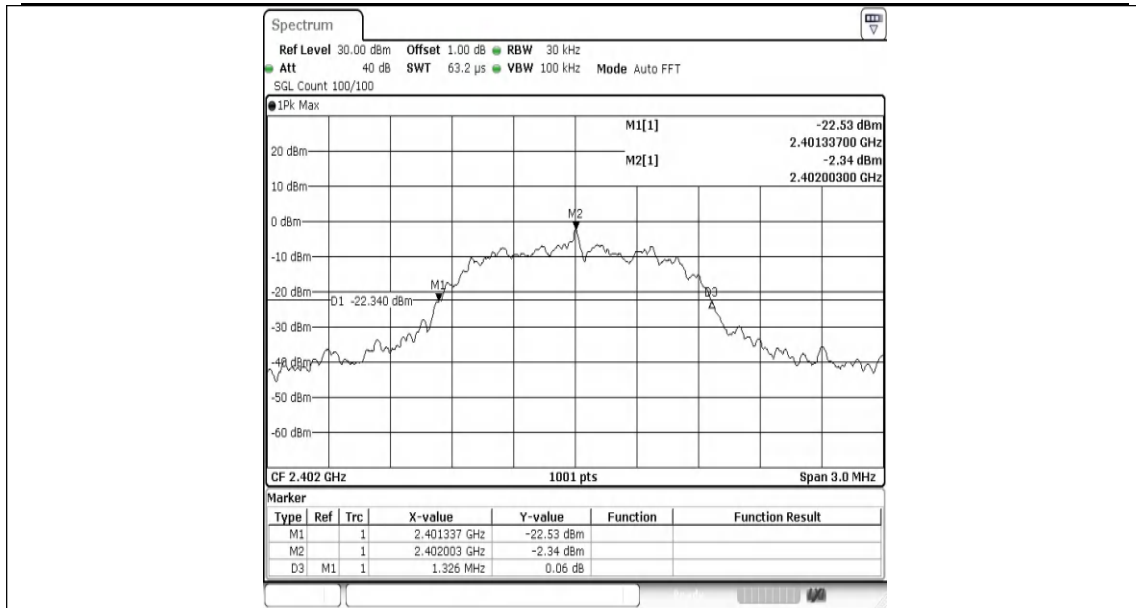
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.04	2401.48	2402.52	---	---
DH5	Ant1	2441	1.04	2440.48	2441.52	---	---
DH5	Ant1	2480	1.07	2479.45	2480.53	---	---
2DH5	Ant1	2402	1.40	2401.30	2402.70	---	---
2DH5	Ant1	2441	1.35	2440.33	2441.68	---	---
2DH5	Ant1	2480	1.35	2479.32	2480.68	---	---
3DH5	Ant1	2402	1.33	2401.34	2402.66	---	---
3DH5	Ant1	2441	1.36	2440.32	2441.68	---	---
3DH5	Ant1	2480	1.35	2479.32	2480.68	---	---

Test Graphs

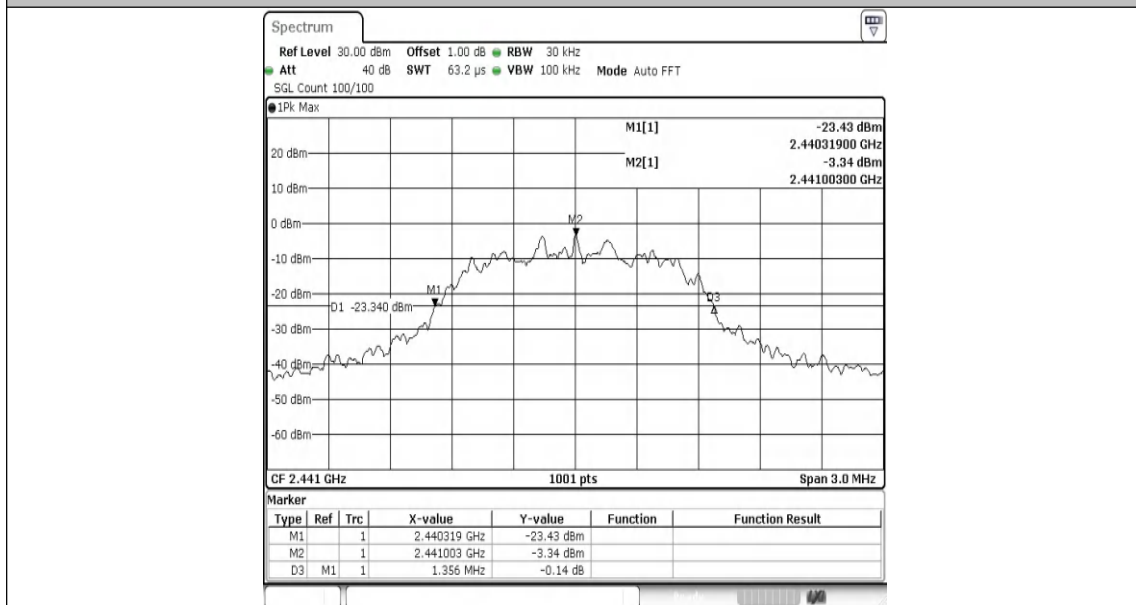








3DH5-Ant1-2402



3DH5-Ant1-2441



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Appendix B: 99% Occupied Bandwidth

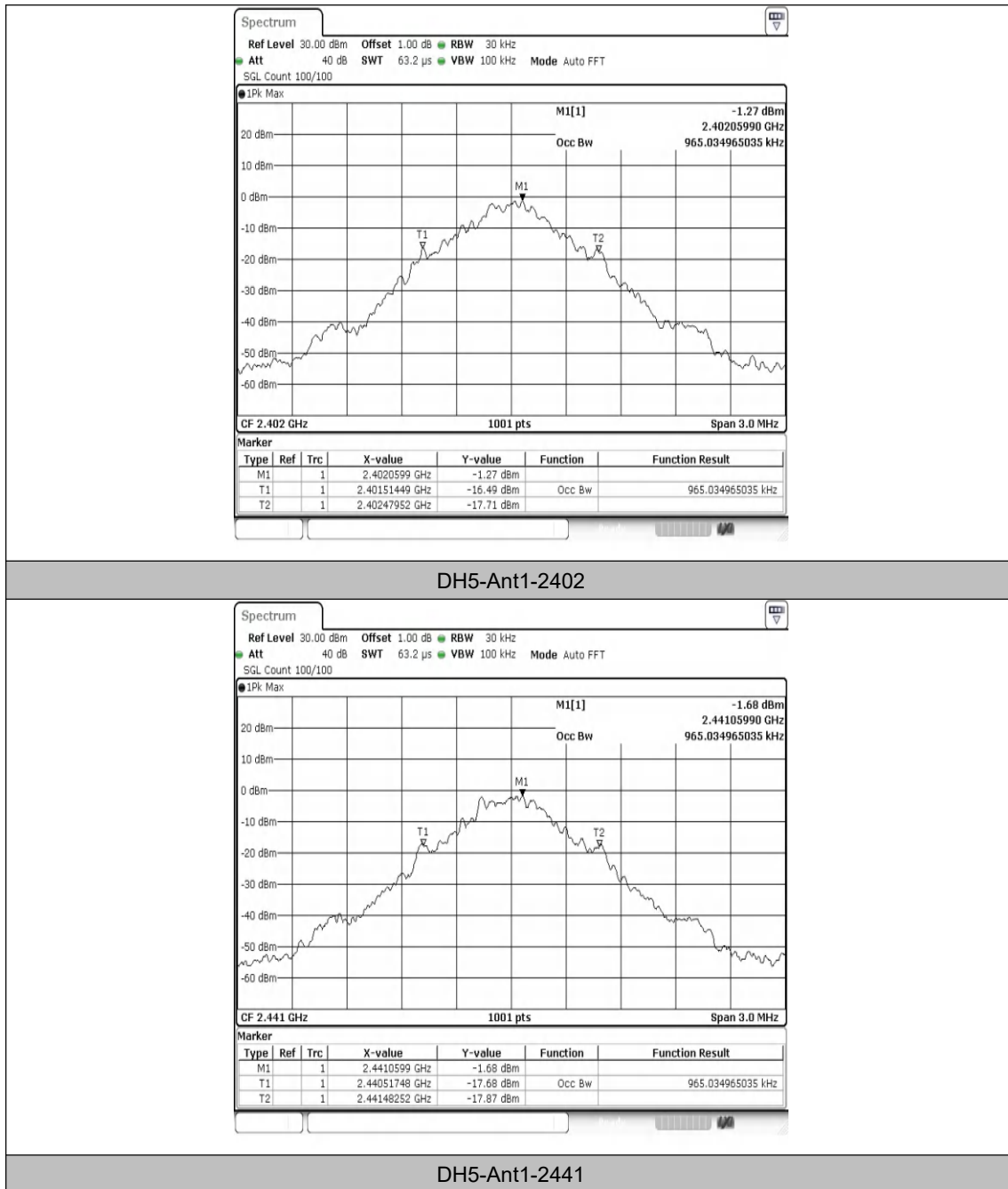
Test Result

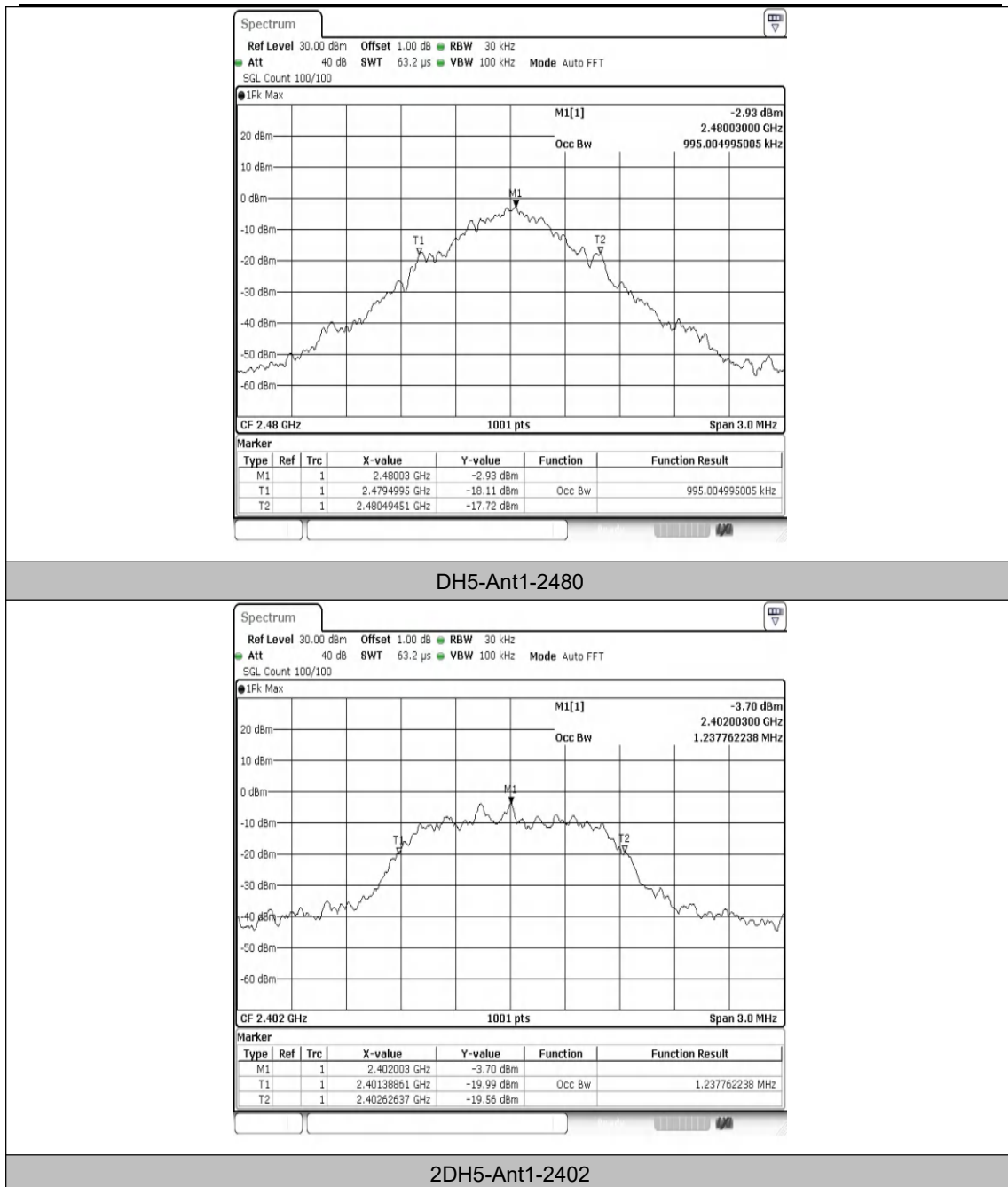
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96503	2401.5145	2402.4795	---	---
DH5	Ant1	2441	0.96503	2440.5175	2441.4825	---	---
DH5	Ant1	2480	0.99500	2479.4995	2480.4945	---	---
2DH5	Ant1	2402	1.2378	2401.3886	2402.6264	---	---
2DH5	Ant1	2441	1.2647	2440.3796	2441.6444	---	---
2DH5	Ant1	2480	1.2617	2479.3676	2480.6294	---	---
3DH5	Ant1	2402	1.2408	2401.3766	2402.6174	---	---
3DH5	Ant1	2441	1.2318	2440.3826	2441.6144	---	---
3DH5	Ant1	2480	1.2348	2479.3826	2480.6174	---	---

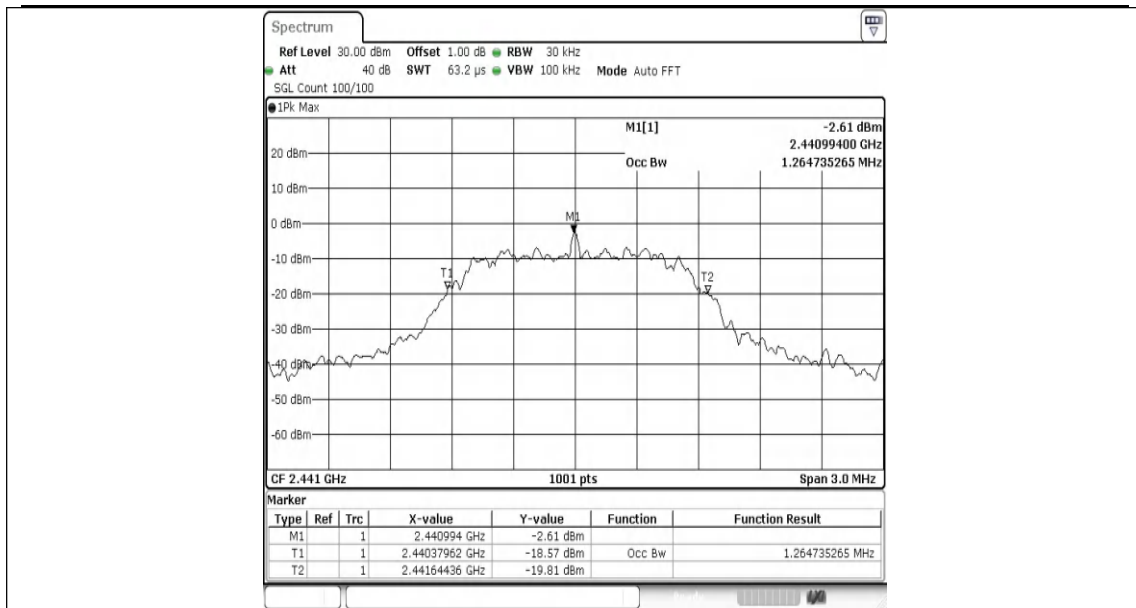
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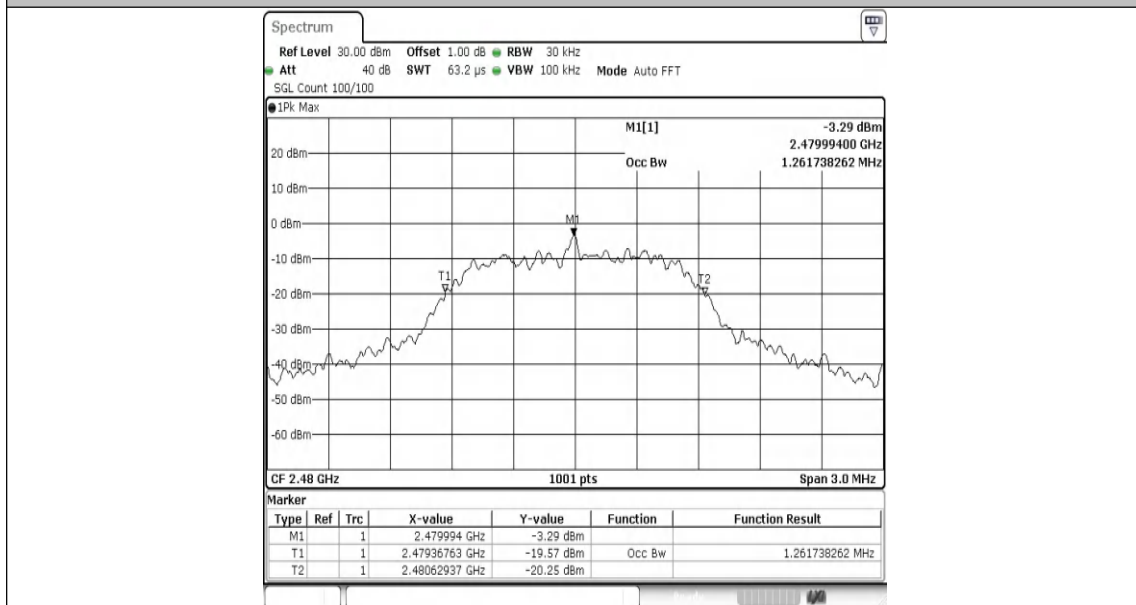
Test Graphs



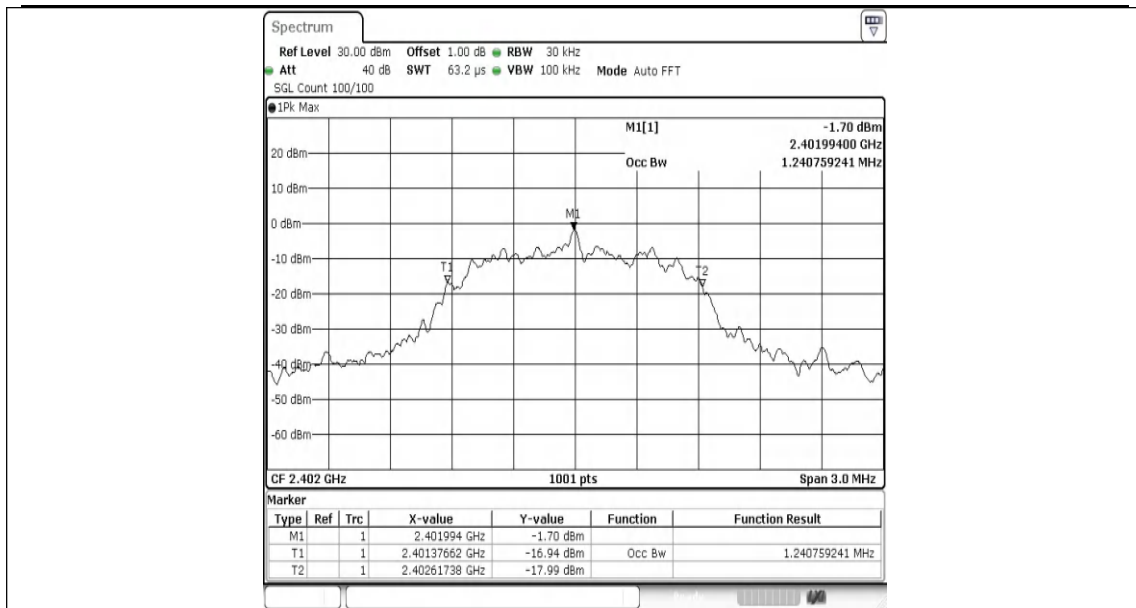




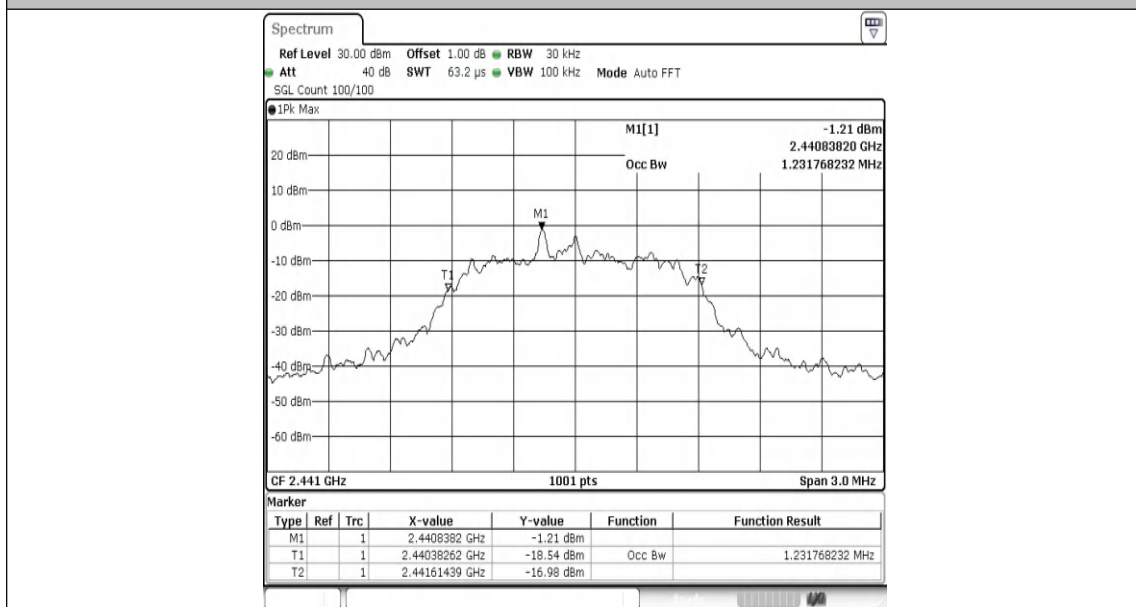
2DH5-Ant1-2441



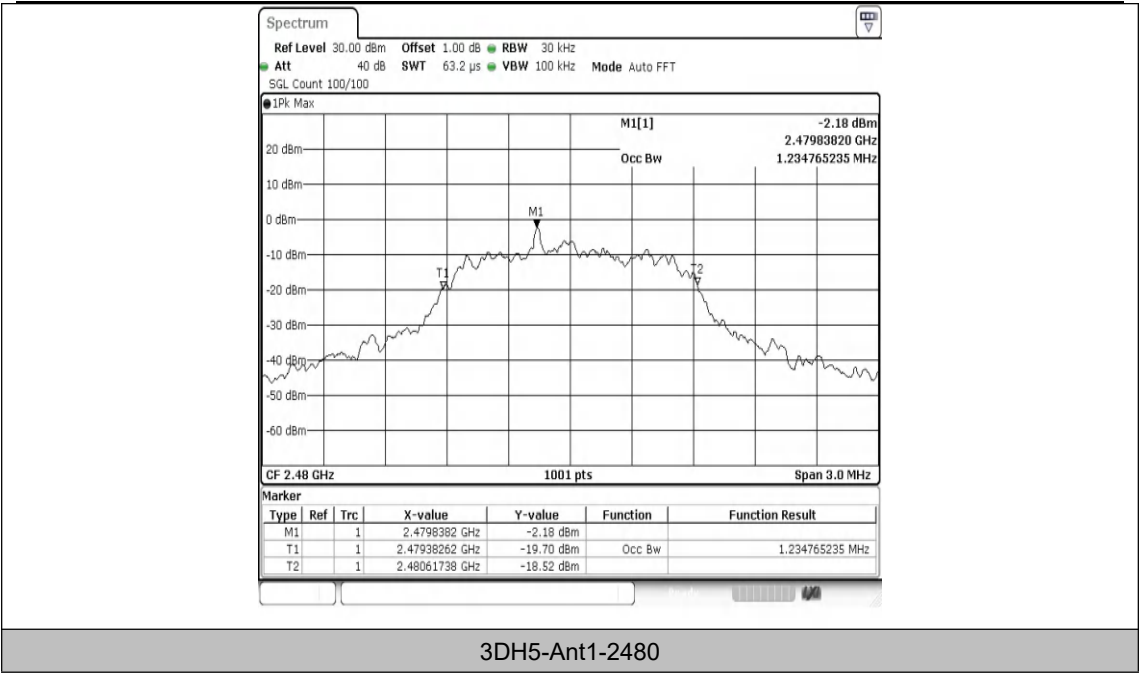
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



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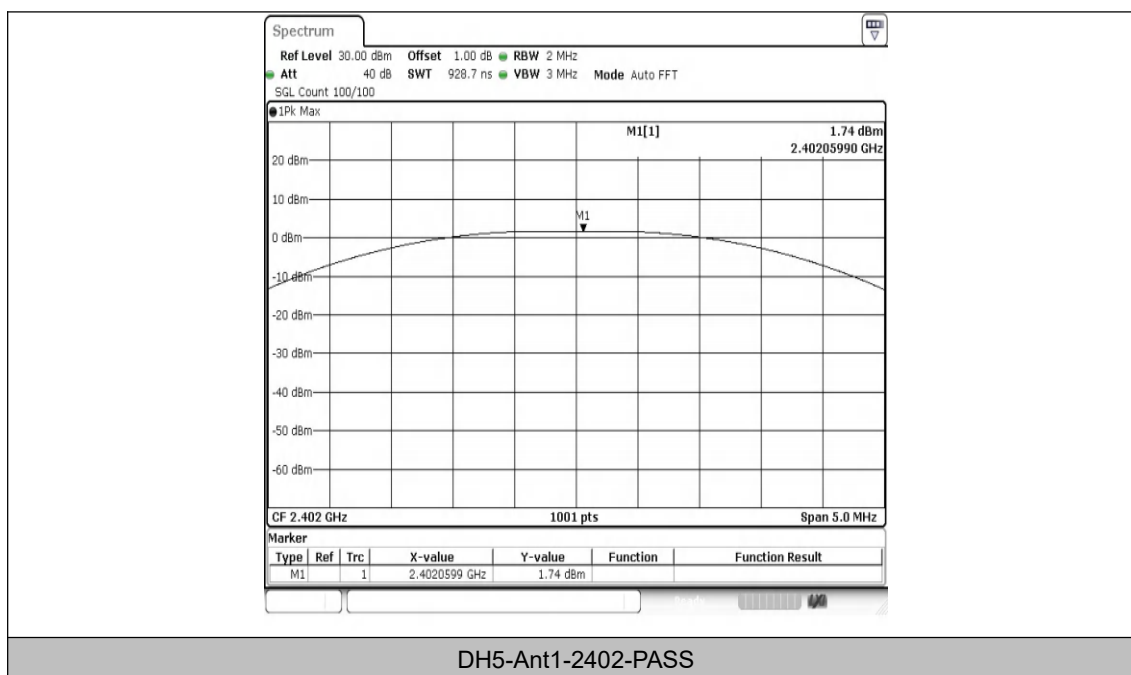
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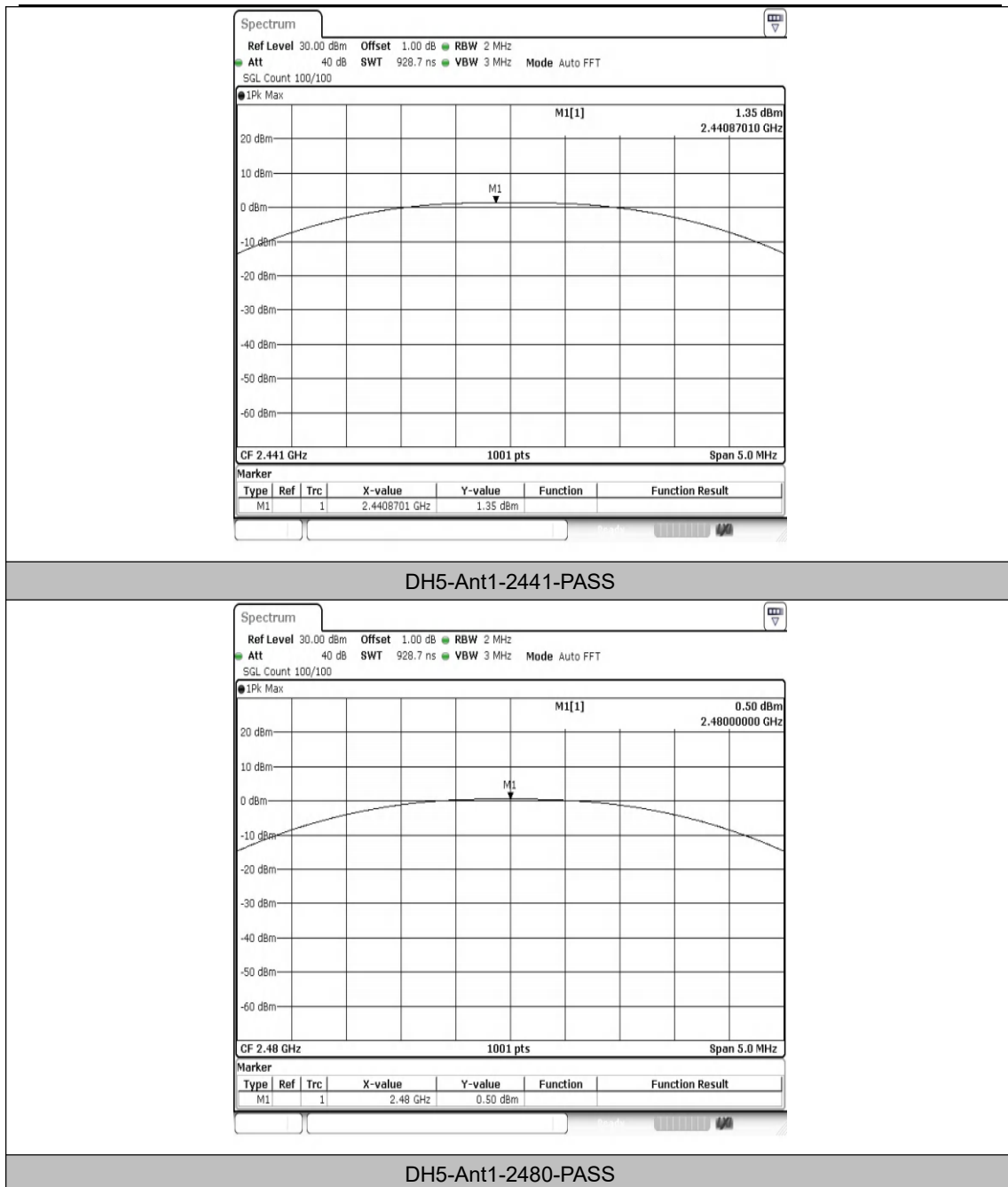
Appendix C: Maximum Conducted Output Power

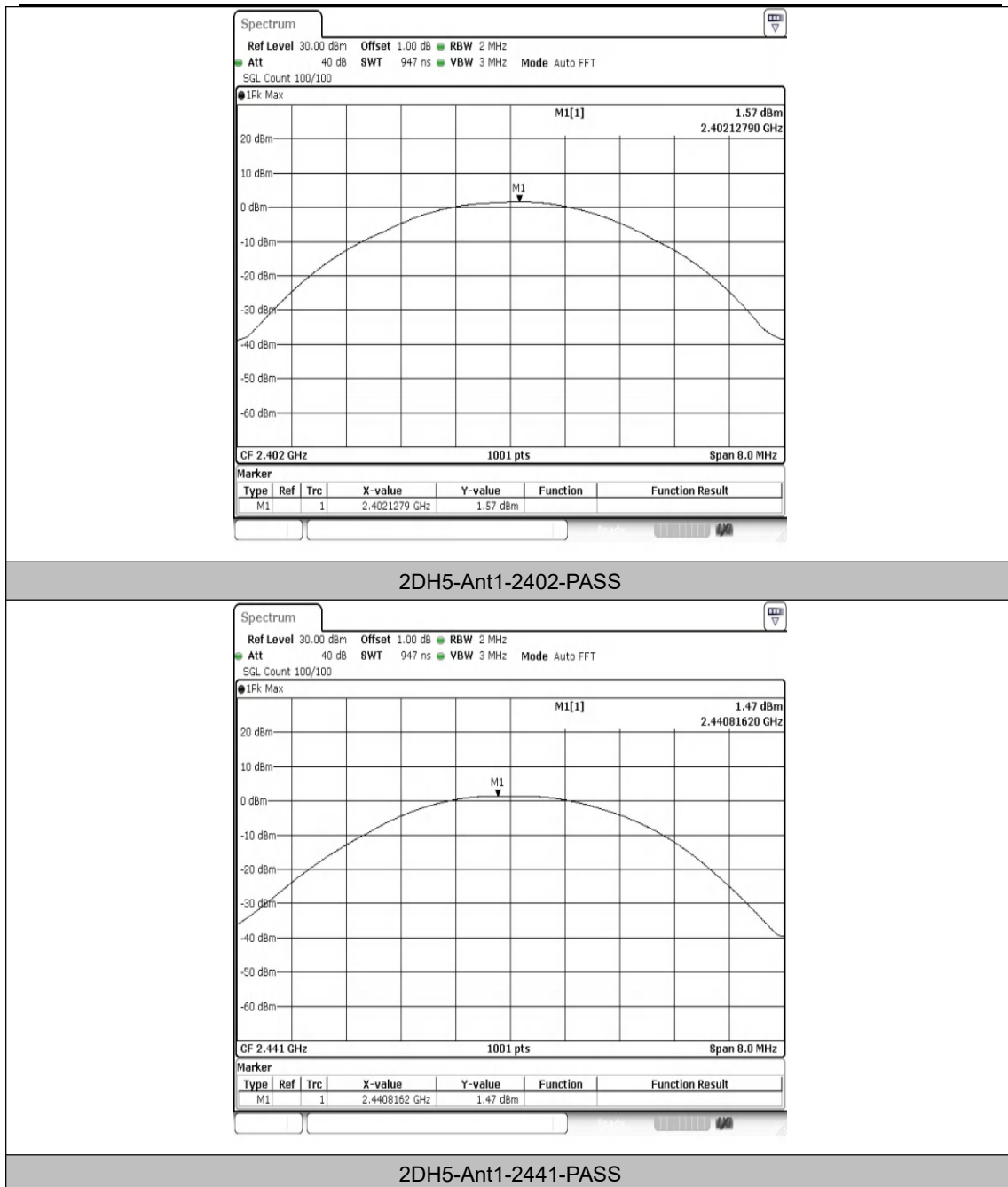
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.74	≤20.97	PASS
DH5	Ant1	2441	1.35	≤20.97	PASS
DH5	Ant1	2480	0.50	≤20.97	PASS
2DH5	Ant1	2402	1.57	≤20.97	PASS
2DH5	Ant1	2441	1.47	≤20.97	PASS
2DH5	Ant1	2480	0.91	≤20.97	PASS
3DH5	Ant1	2402	2.22	≤20.97	PASS
3DH5	Ant1	2441	1.54	≤20.97	PASS
3DH5	Ant1	2480	1.10	≤20.97	PASS

Test Graphs



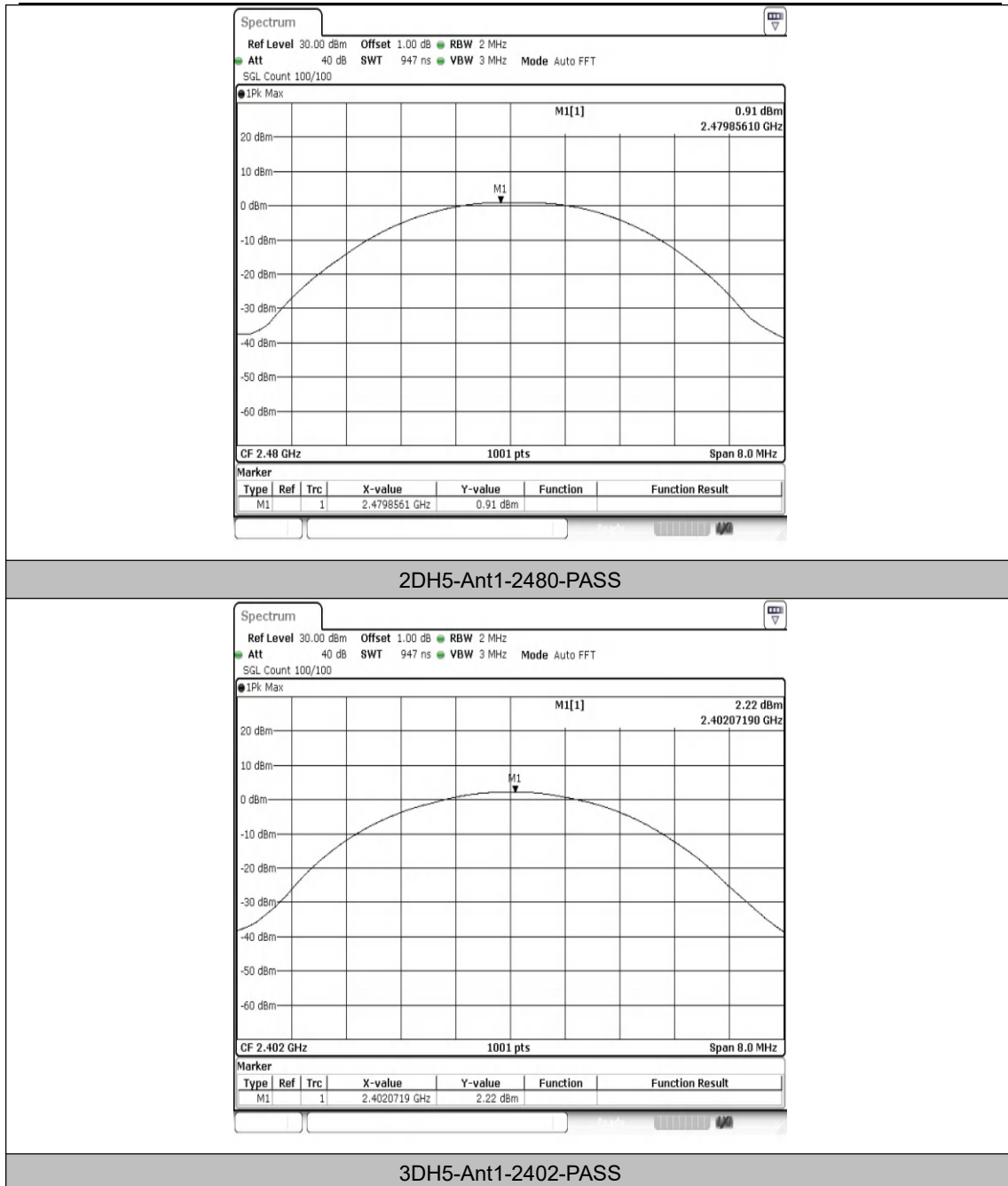


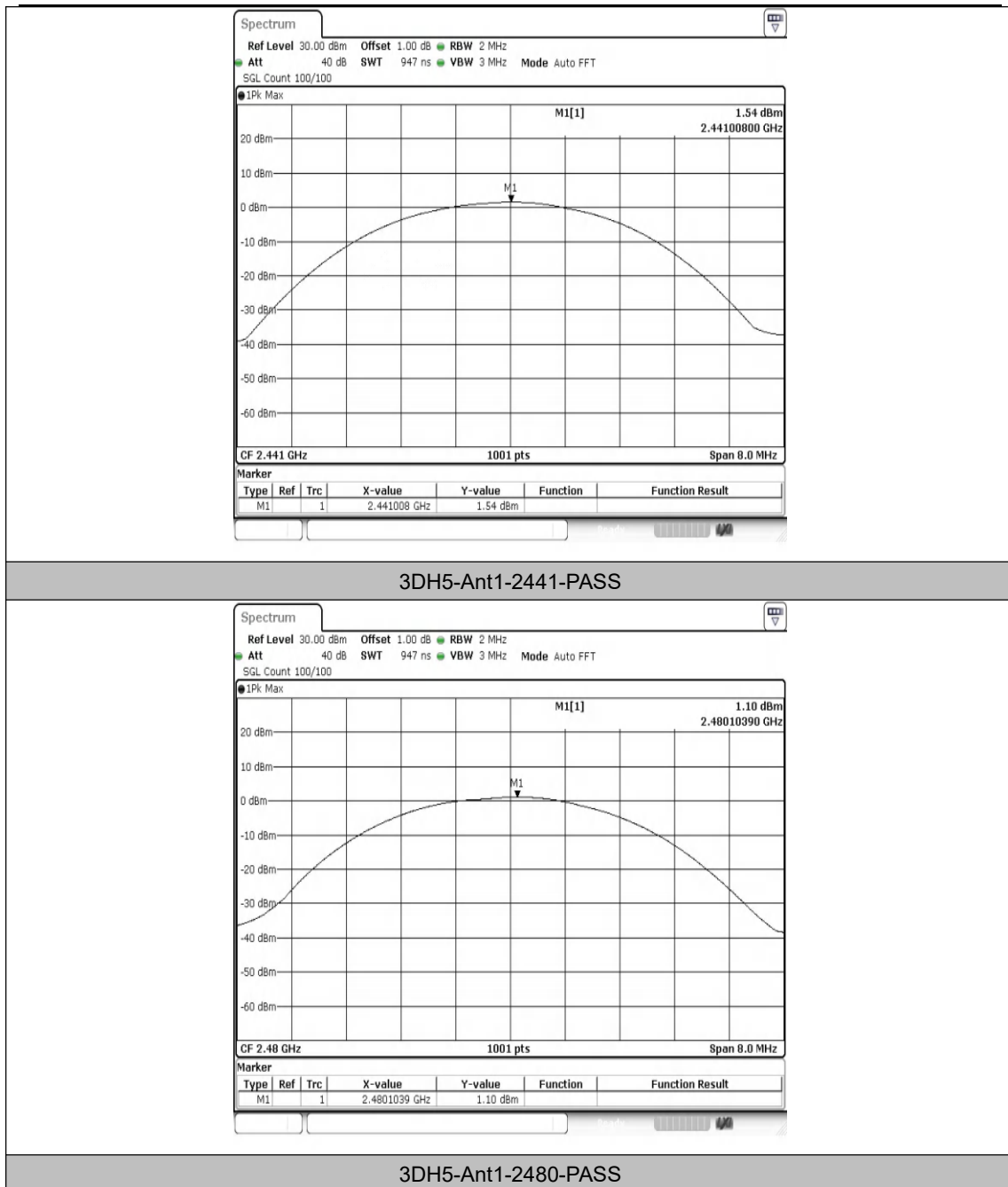


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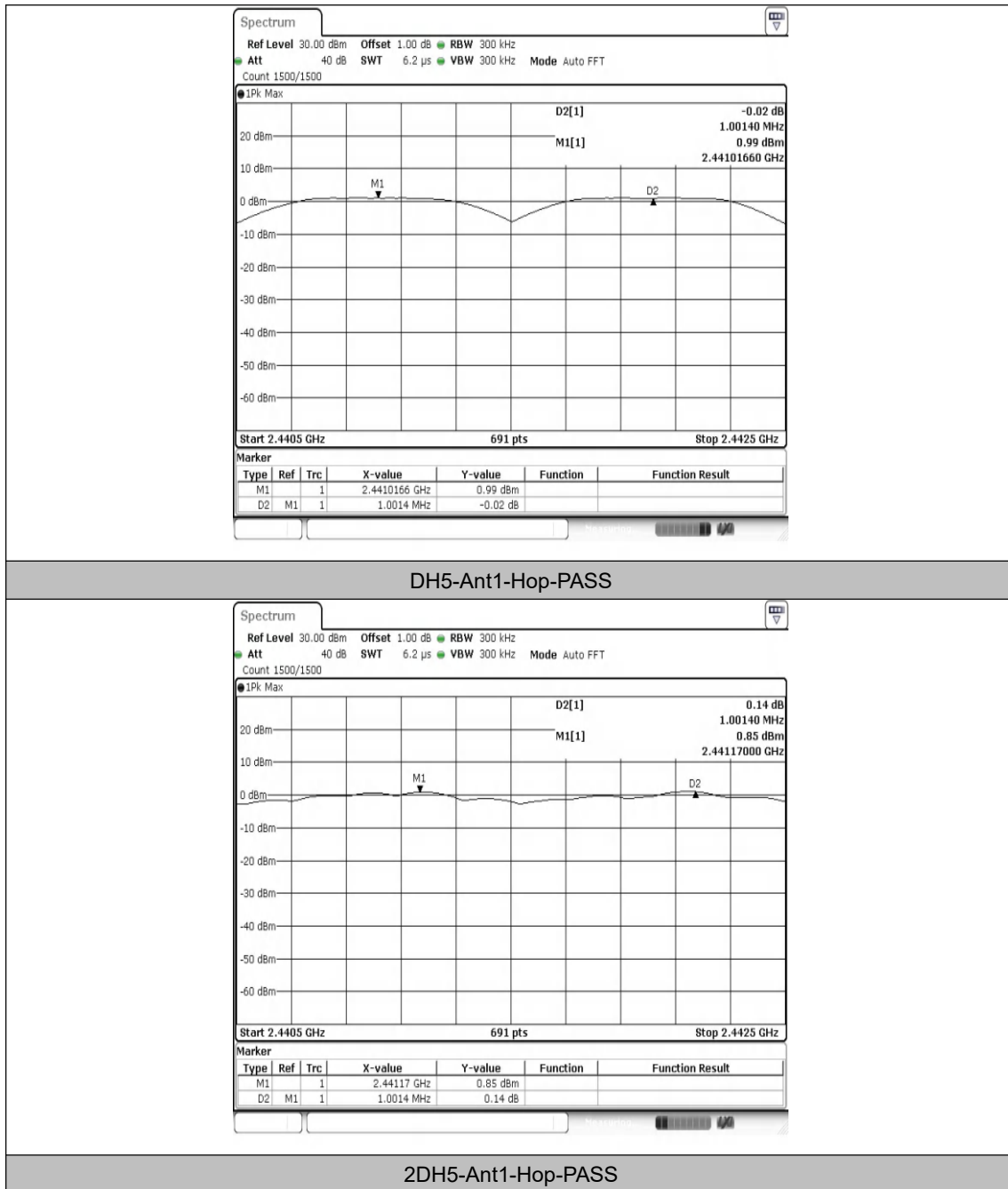
Appendix D: Carrier frequency separation

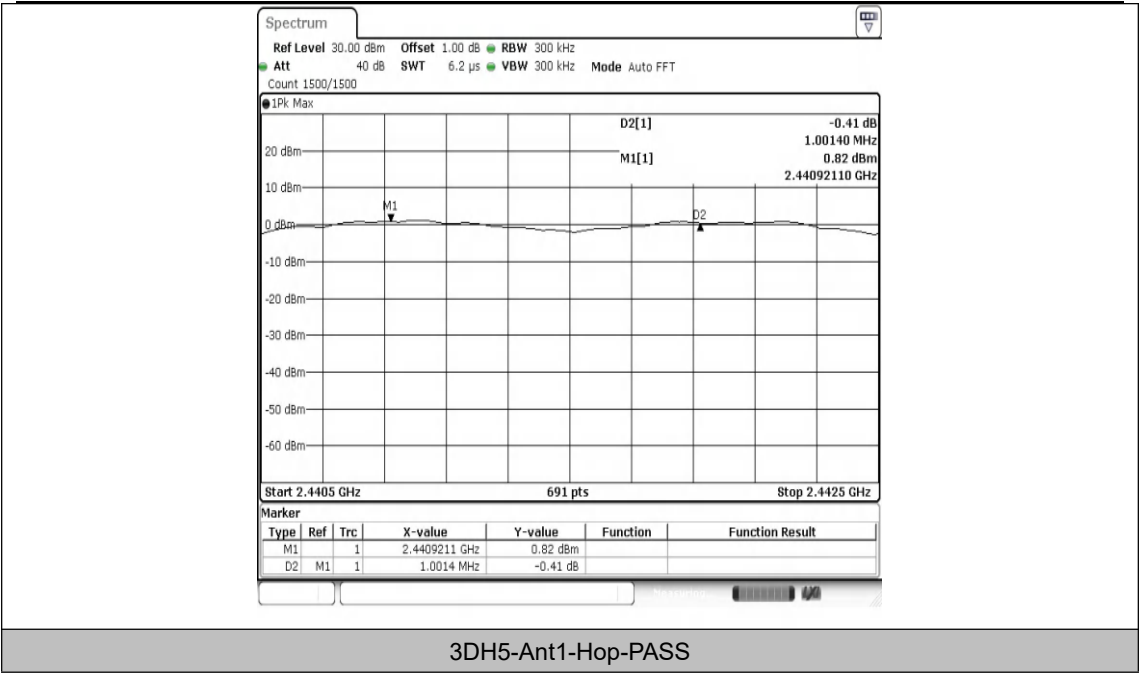
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.001	≥ 0.713	PASS
2DH5	Ant1	Hop	1.001	≥ 0.933	PASS
3DH5	Ant1	Hop	1.001	≥ 0.907	PASS



Test Graphs





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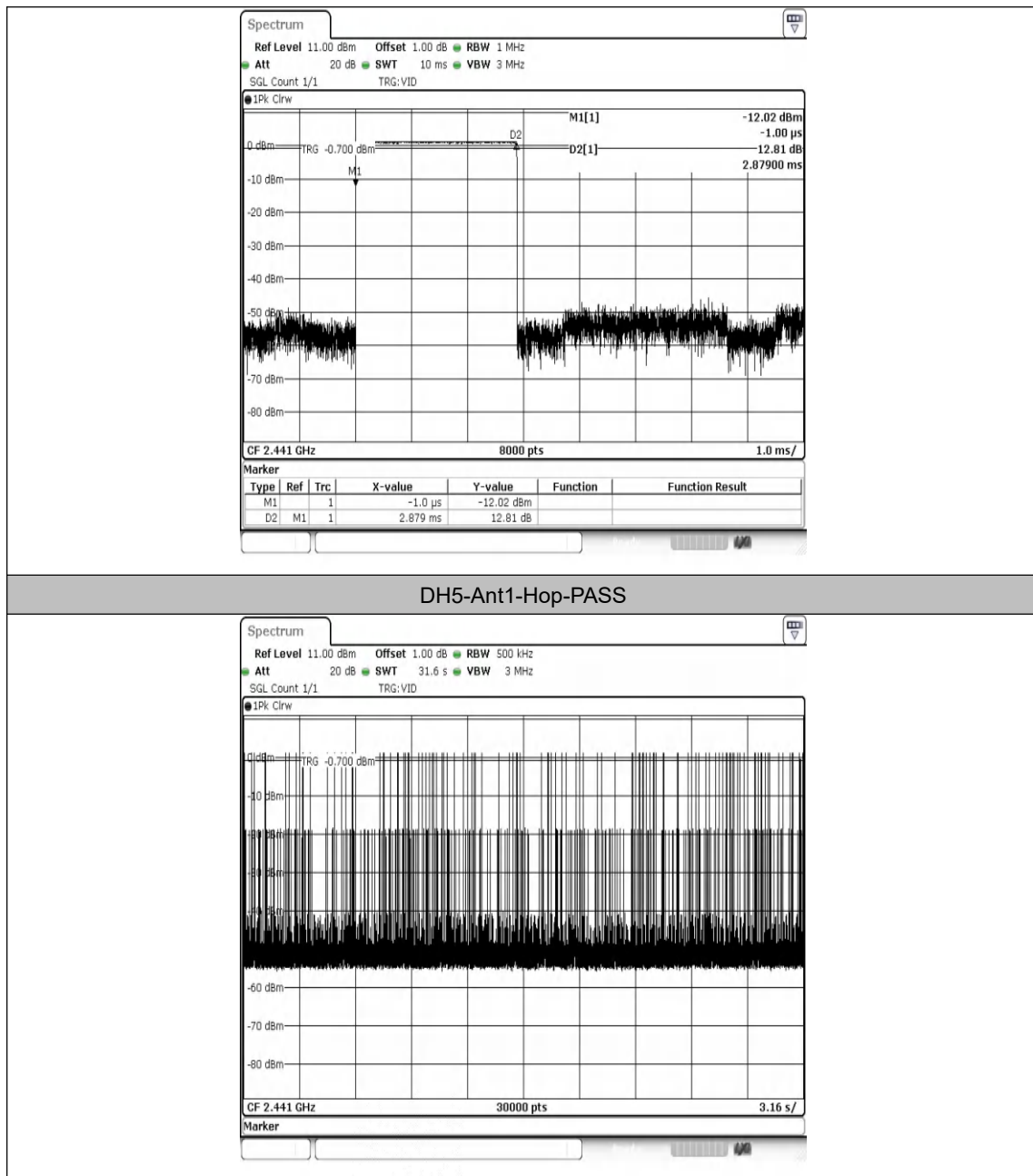
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.885	102	0.294	≤0.4	PASS
3DH5	Ant1	Hop	2.887	115	0.332	≤0.4	PASS

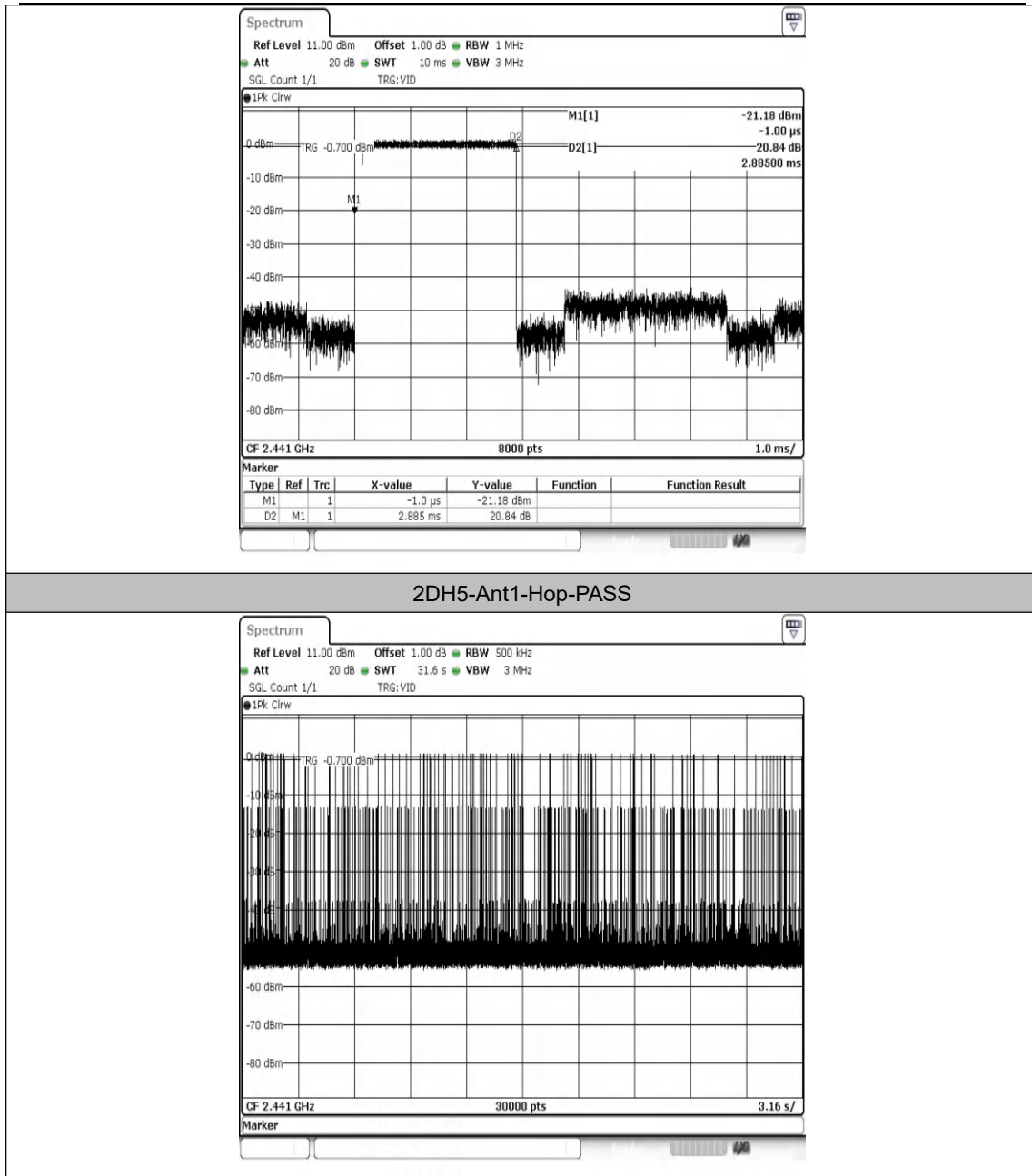
Test Graphs

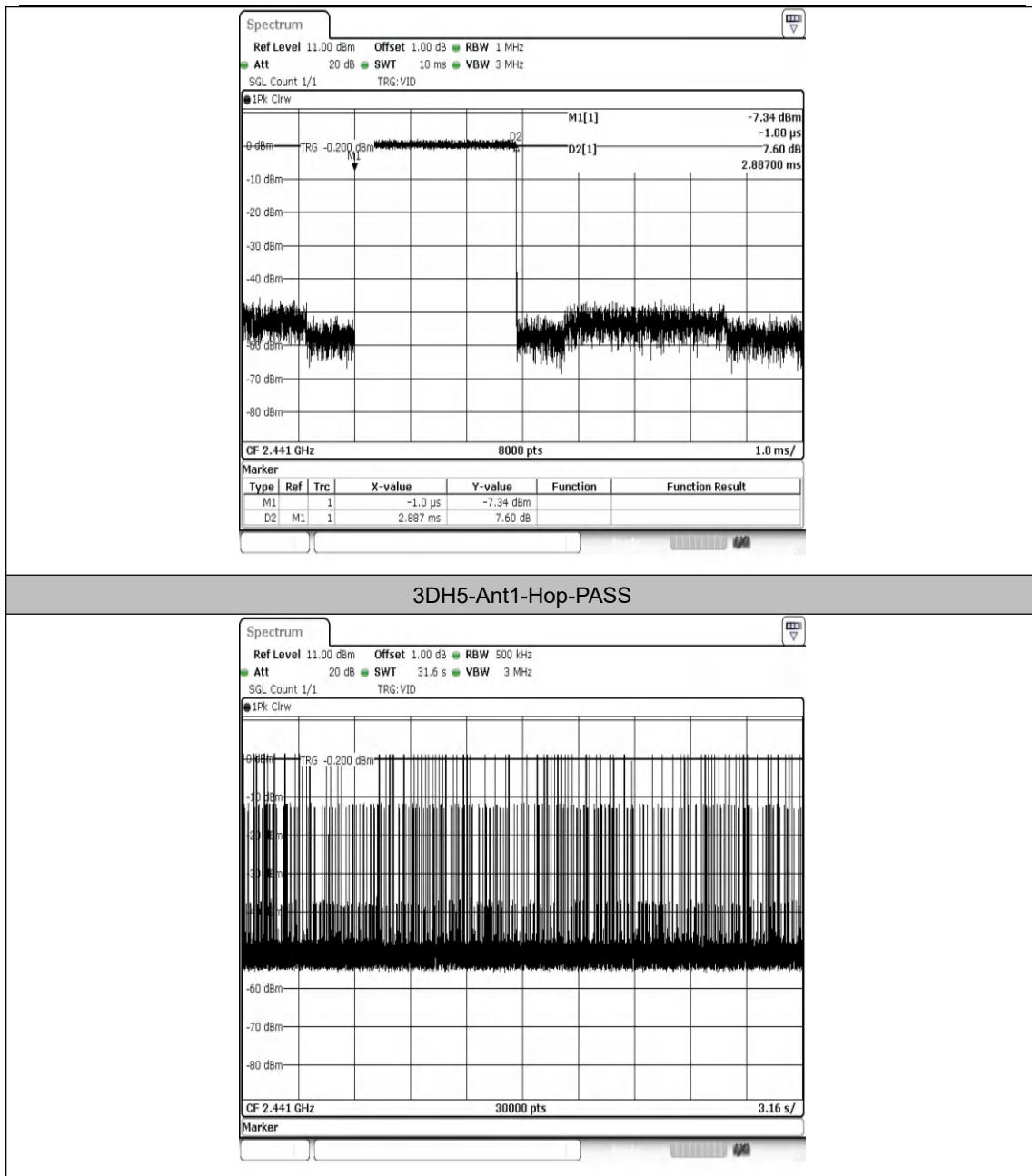


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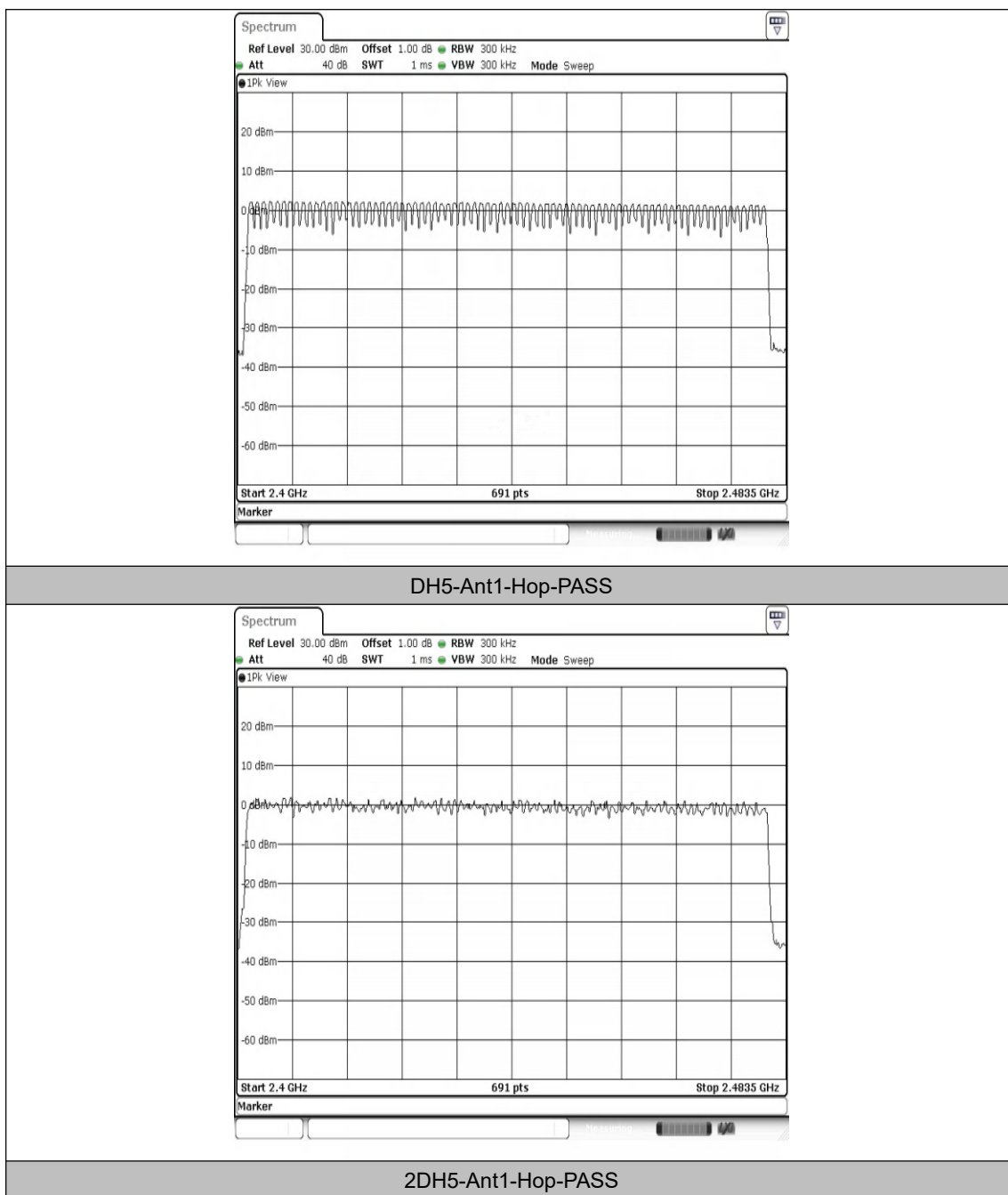
Appendix F: Number of Hopping Channel

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



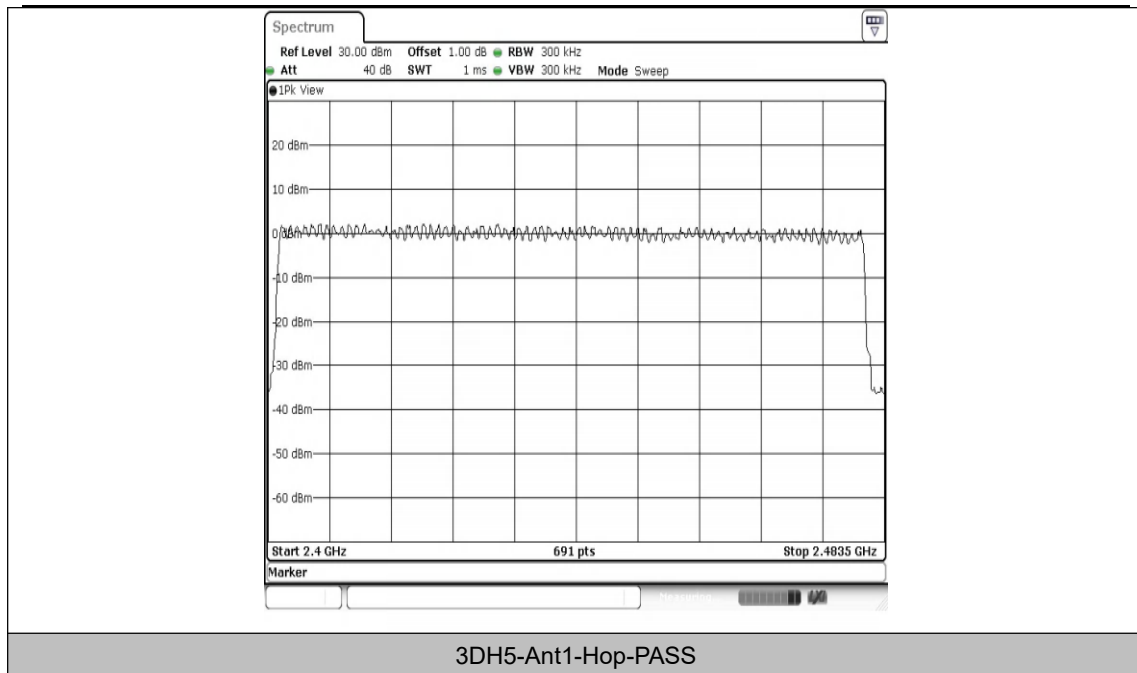
Test Graphs



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Appendix G: Conducted Band edge

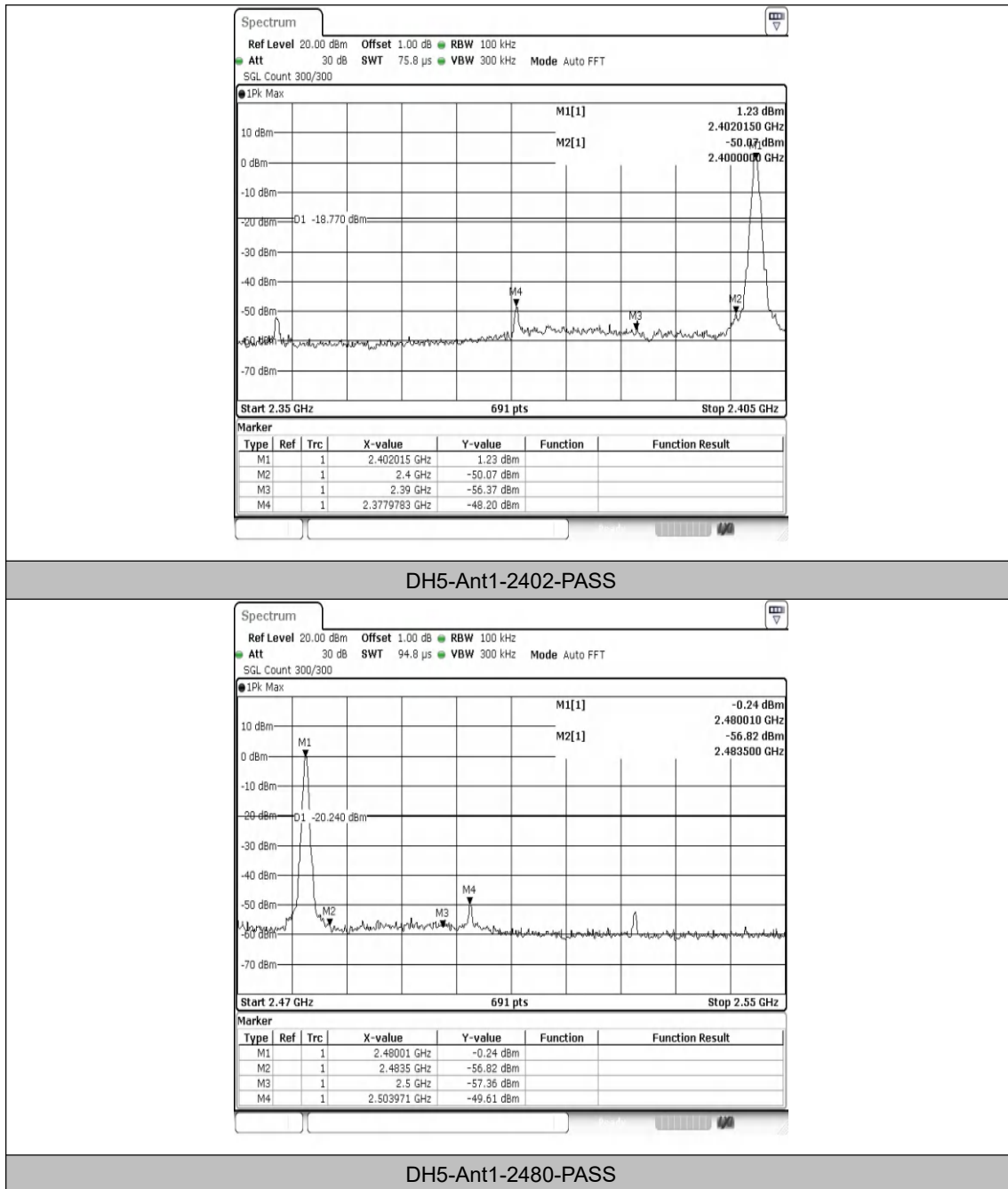
Test Result

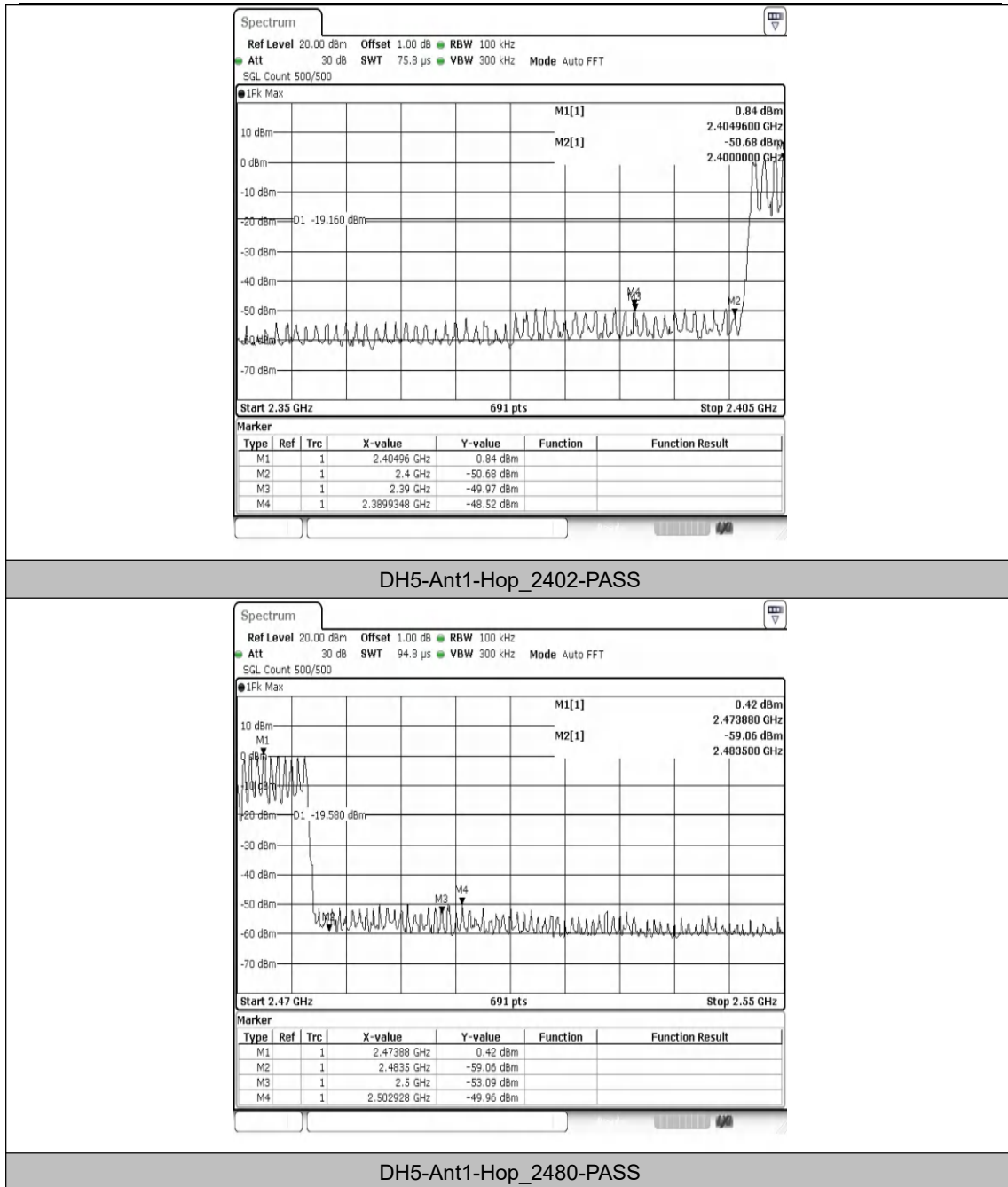
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.23	-48.2	≤-18.77	PASS
DH5	Ant1	High	2480	-0.24	-49.61	≤-20.24	PASS
DH5	Ant1	Low	Hop_2402	0.84	-48.52	≤-19.16	PASS
DH5	Ant1	High	Hop_2480	0.42	-49.96	≤-19.58	PASS
2DH5	Ant1	Low	2402	0.74	-49.32	≤-19.26	PASS
2DH5	Ant1	High	2480	0.03	-49.77	≤-19.97	PASS
2DH5	Ant1	Low	Hop_2402	0.36	-48.76	≤-19.64	PASS
2DH5	Ant1	High	Hop_2480	-4.95	-54.81	≤-24.95	PASS
3DH5	Ant1	Low	2402	1.36	-48.62	≤-18.64	PASS
3DH5	Ant1	High	2480	0.15	-50.87	≤-19.85	PASS
3DH5	Ant1	Low	Hop_2402	-2.48	-53.67	≤-22.48	PASS
3DH5	Ant1	High	Hop_2480	-0.04	-51.29	≤-20.04	PASS

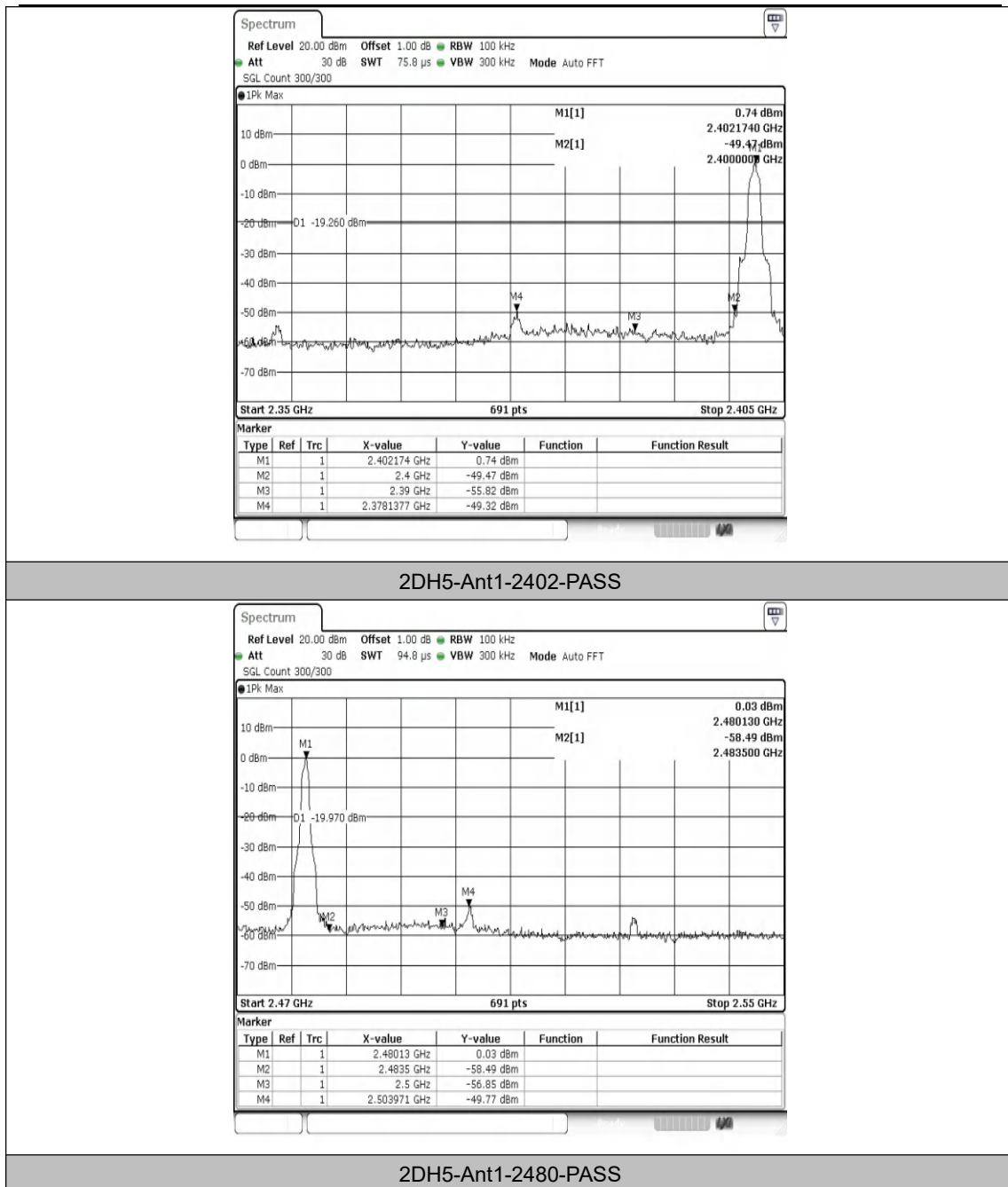
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

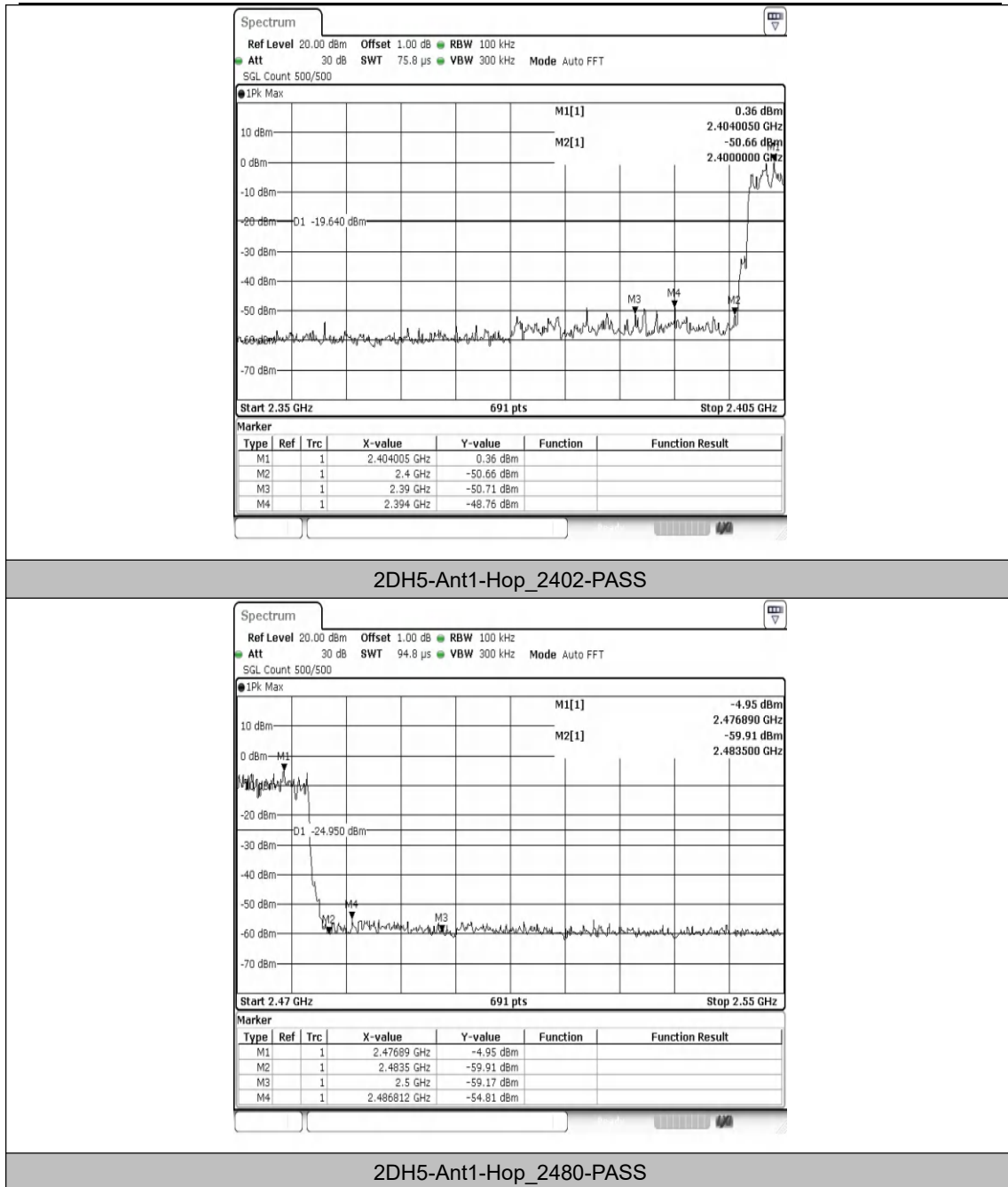


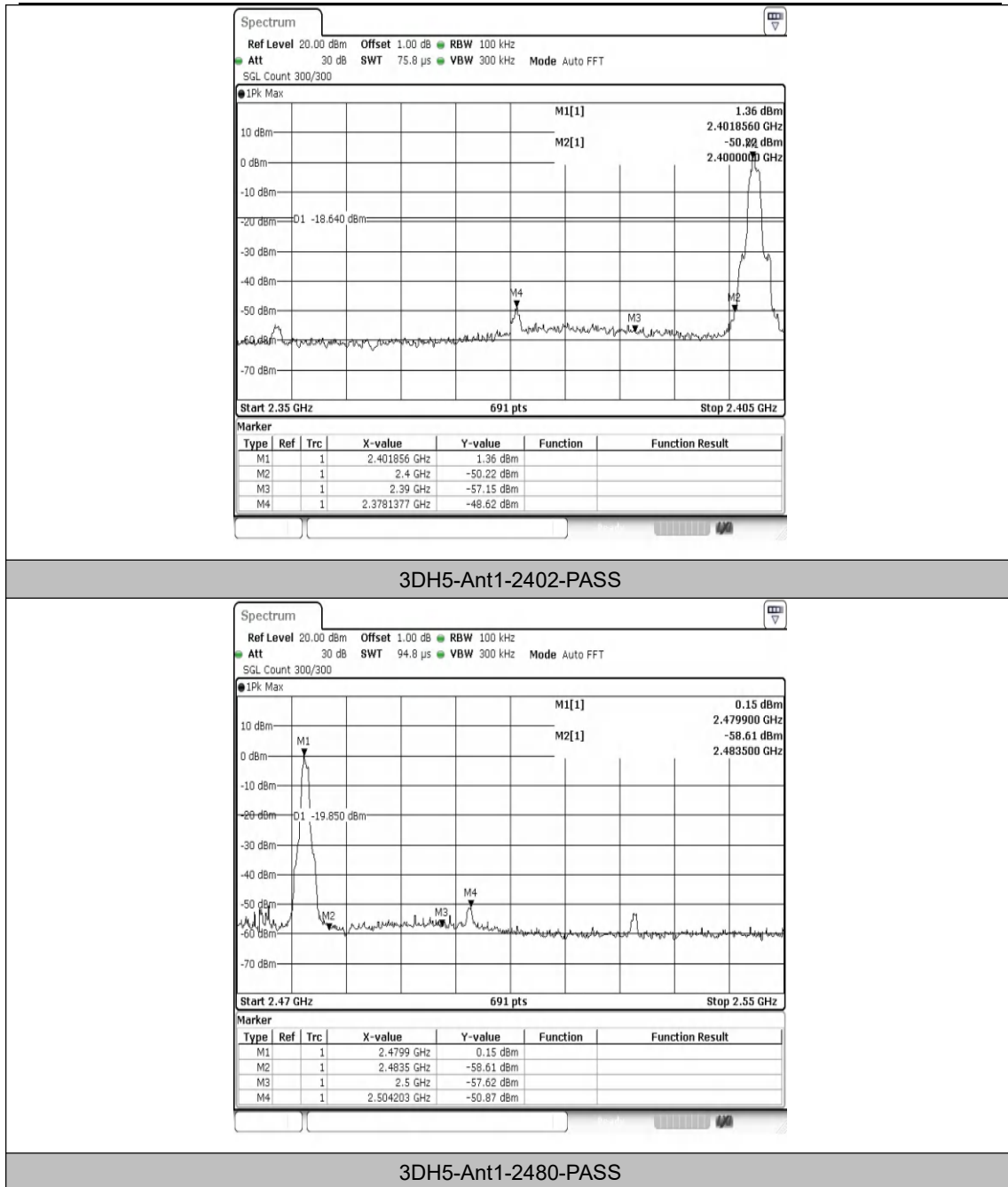
Test Graphs

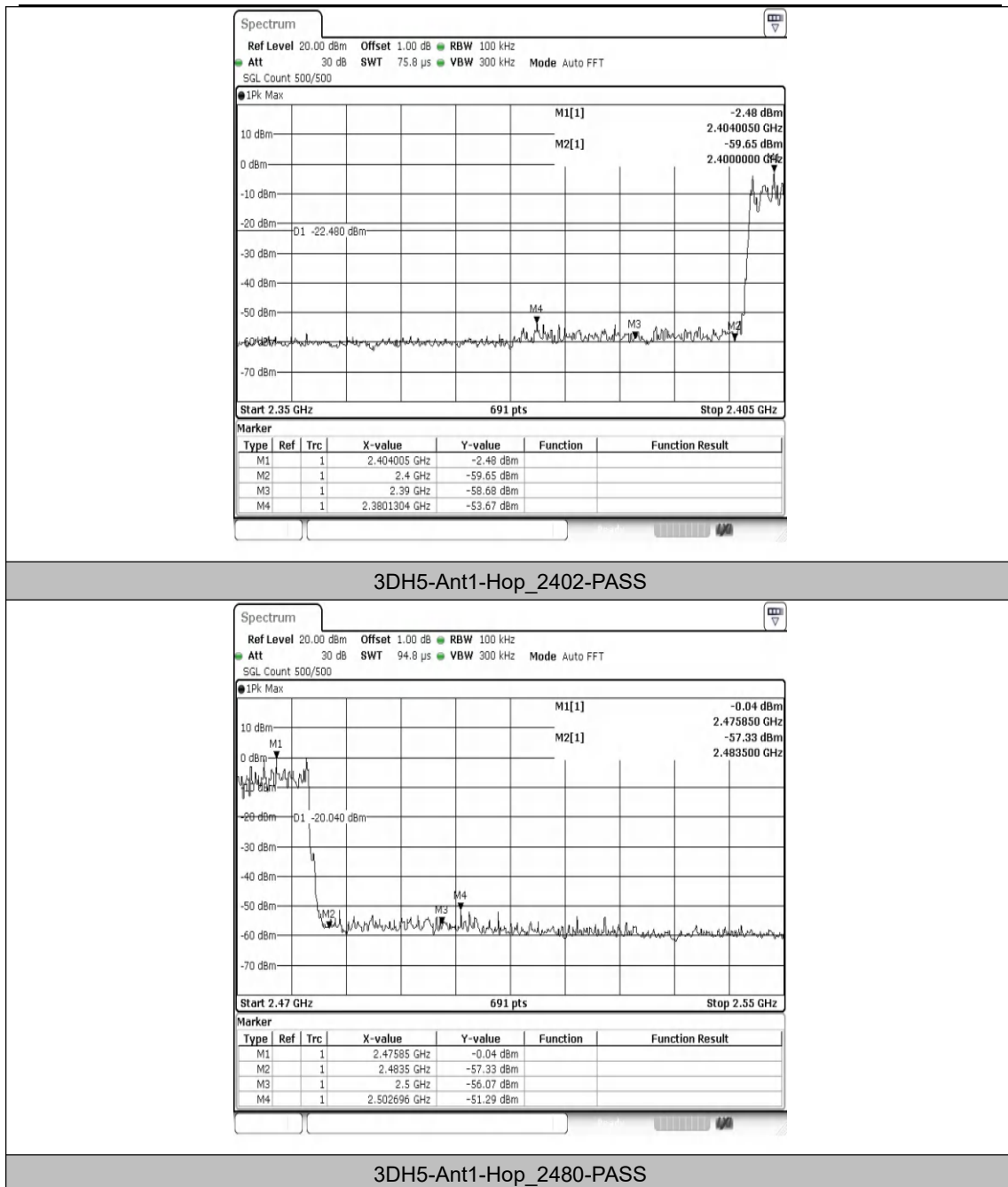












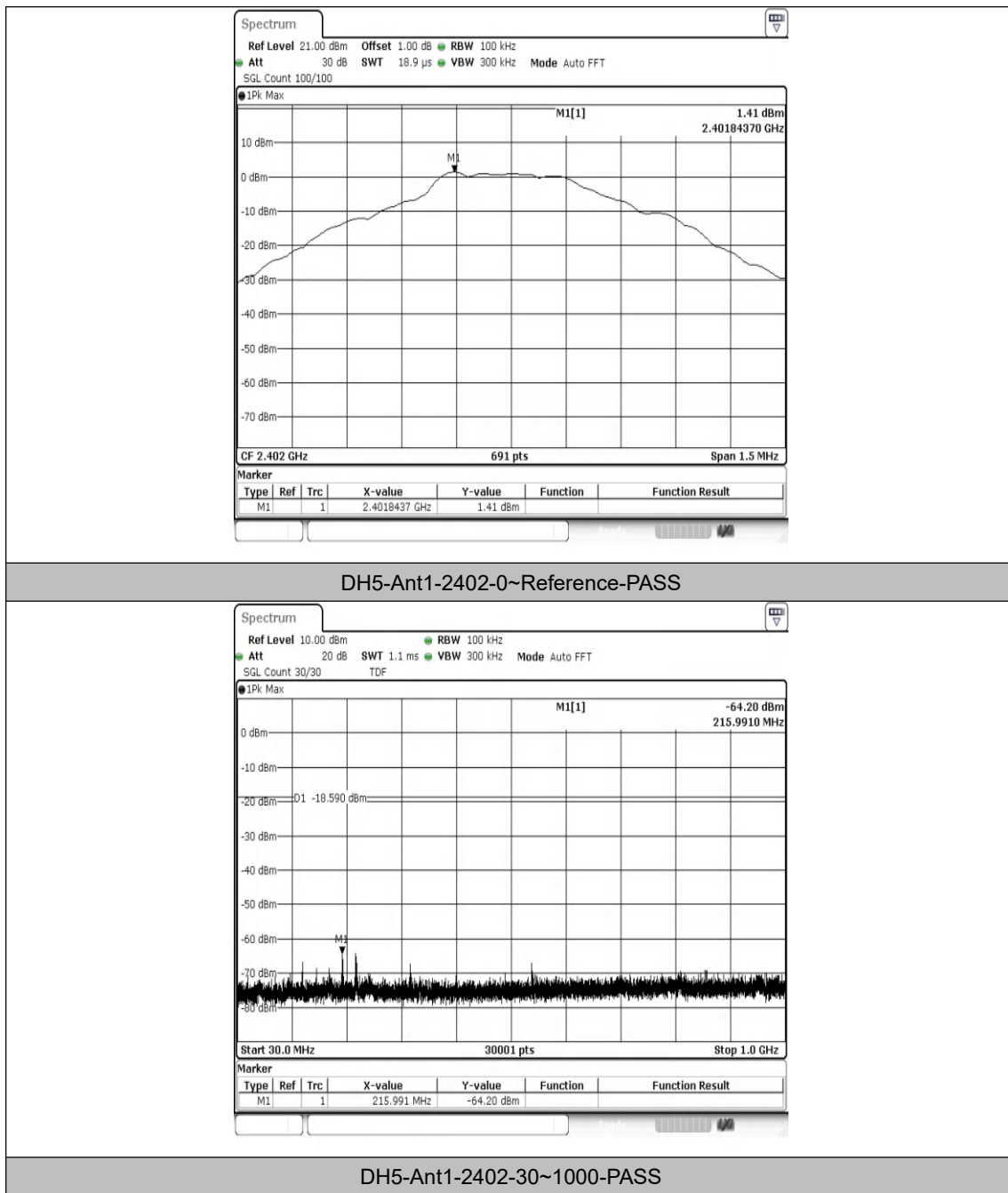
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.41	1.41	---	PASS
DH5	Ant1	2402	30~1000	1.41	-64.2	≤-18.59	PASS
DH5	Ant1	2402	1000~26500	1.41	-40.15	≤-18.59	PASS
DH5	Ant1	2441	0~Reference	0.60	0.60	---	PASS
DH5	Ant1	2441	30~1000	0.60	-52.08	≤-19.4	PASS
DH5	Ant1	2441	1000~26500	0.60	-40.3	≤-19.4	PASS
DH5	Ant1	2480	0~Reference	-0.38	-0.38	---	PASS
DH5	Ant1	2480	30~1000	-0.38	-62.91	≤-20.38	PASS
DH5	Ant1	2480	1000~26500	-0.38	-38.12	≤-20.38	PASS
2DH5	Ant1	2402	0~Reference	-0.42	-0.42	---	PASS
2DH5	Ant1	2402	30~1000	-0.42	-68.43	≤-20.42	PASS
2DH5	Ant1	2402	1000~26500	-0.42	-42.56	≤-20.42	PASS
2DH5	Ant1	2441	0~Reference	-0.41	-0.41	---	PASS
2DH5	Ant1	2441	30~1000	-0.41	-65.89	≤-20.41	PASS
2DH5	Ant1	2441	1000~26500	-0.41	-41.94	≤-20.41	PASS
2DH5	Ant1	2480	0~Reference	-1.55	-1.55	---	PASS
2DH5	Ant1	2480	30~1000	-1.55	-66.58	≤-21.55	PASS
2DH5	Ant1	2480	1000~26500	-1.55	-39.11	≤-21.55	PASS
3DH5	Ant1	2402	0~Reference	0.71	0.71	---	PASS
3DH5	Ant1	2402	30~1000	0.71	-60.66	≤-19.29	PASS
3DH5	Ant1	2402	1000~26500	0.71	-39.36	≤-19.29	PASS
3DH5	Ant1	2441	0~Reference	-0.82	-0.82	---	PASS
3DH5	Ant1	2441	30~1000	-0.82	-66.42	≤-20.82	PASS
3DH5	Ant1	2441	1000~26500	-0.82	-40.31	≤-20.82	PASS
3DH5	Ant1	2480	0~Reference	-2.68	-2.68	---	PASS
3DH5	Ant1	2480	30~1000	-2.68	-63.44	≤-22.68	PASS
3DH5	Ant1	2480	1000~26500	-2.68	-38.83	≤-22.68	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.

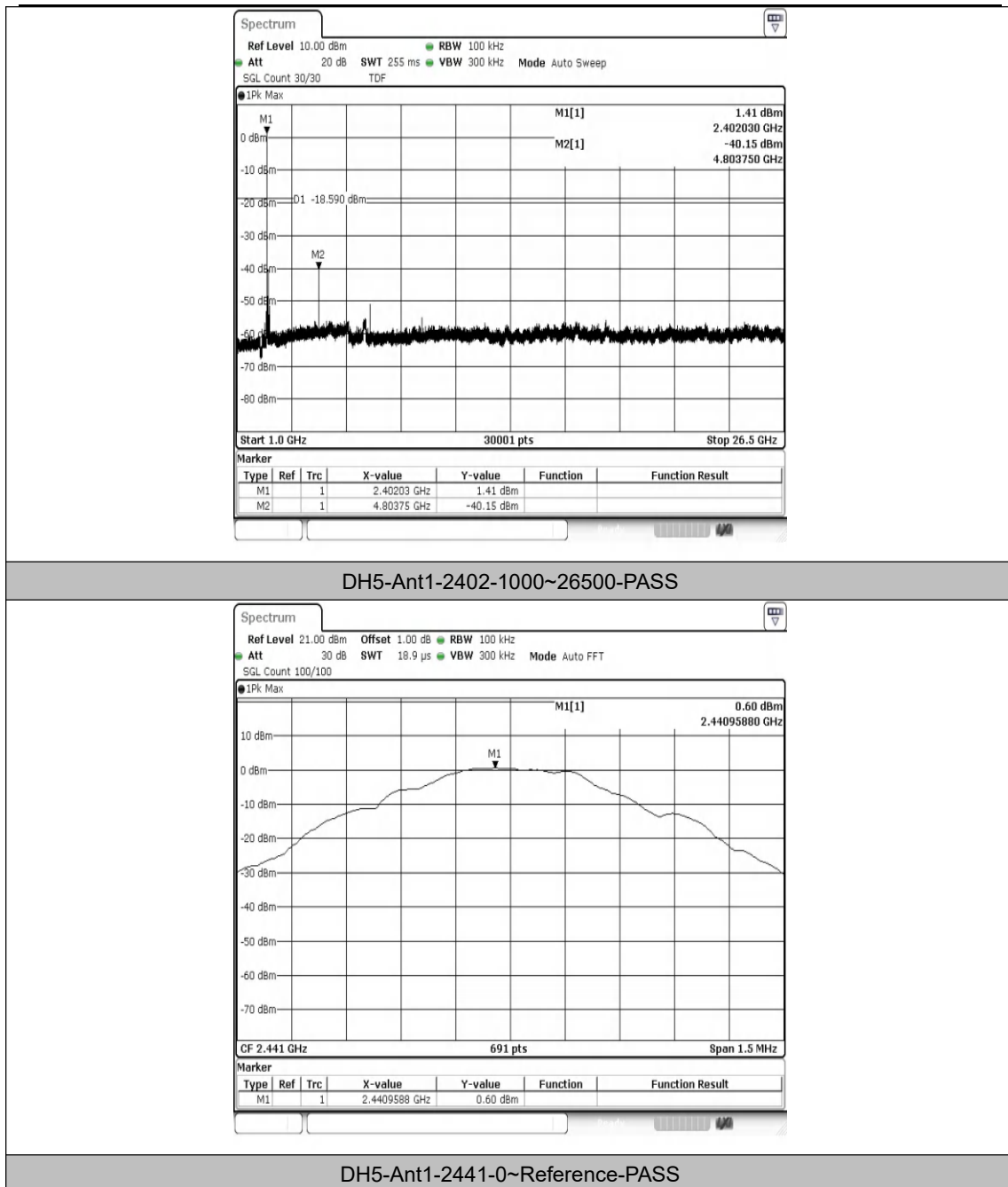
Test Graphs



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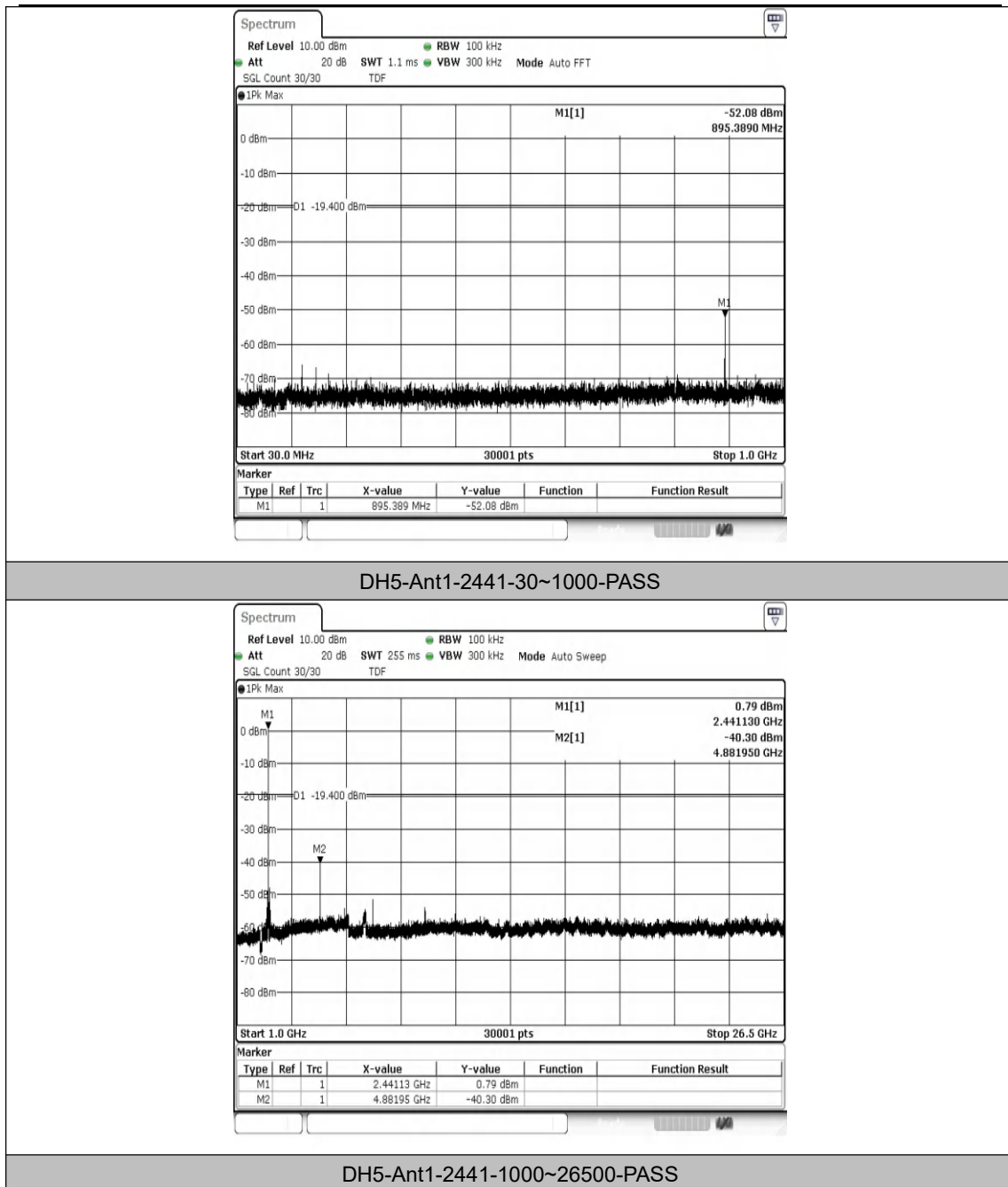
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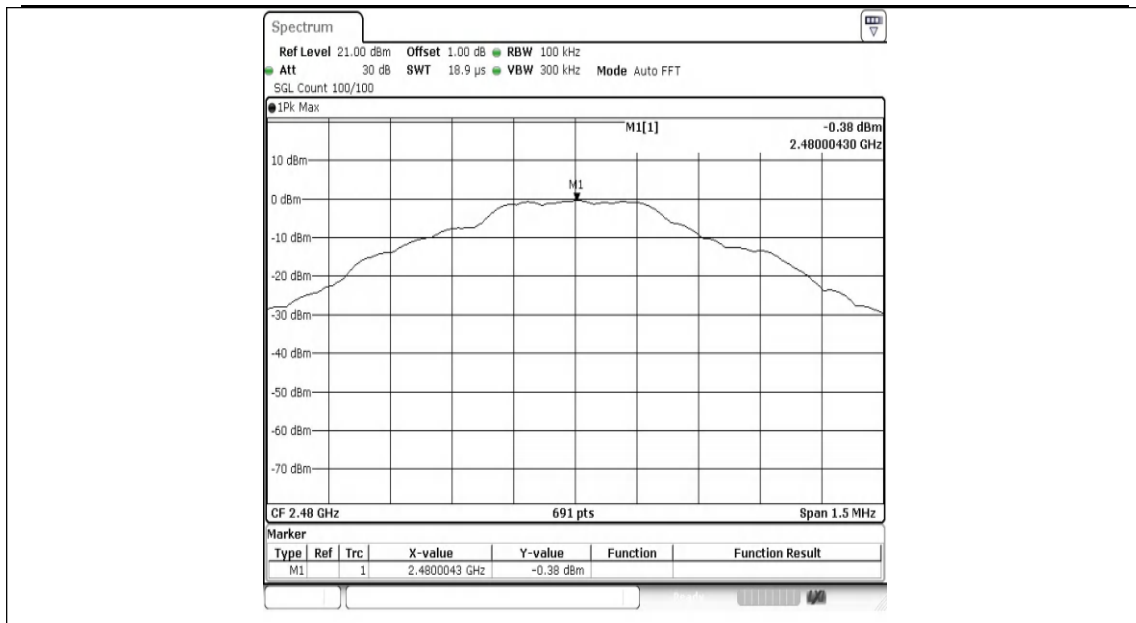
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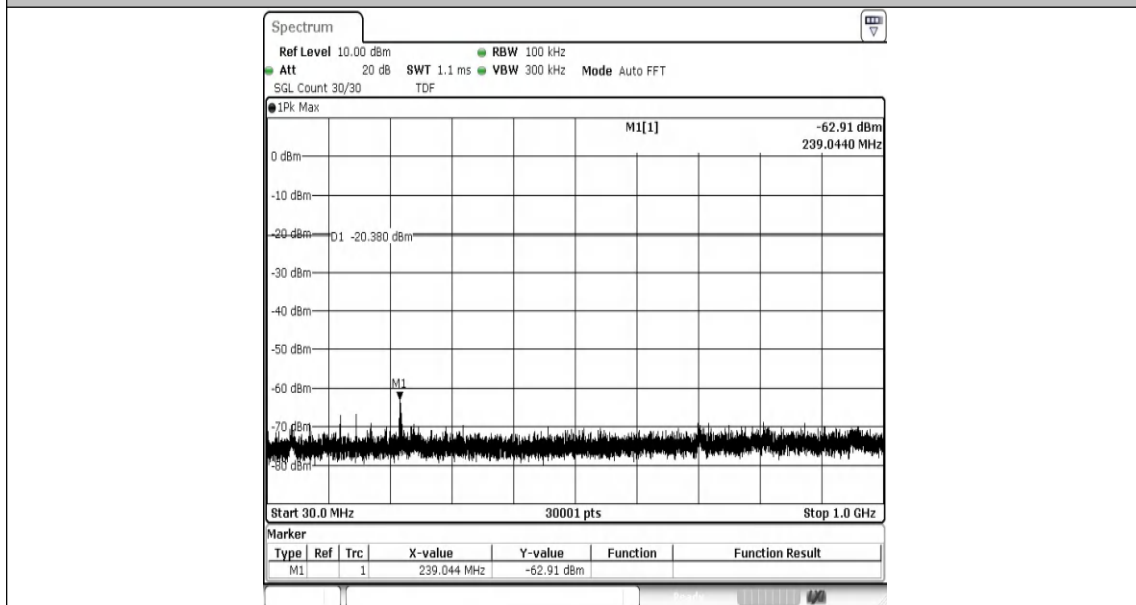
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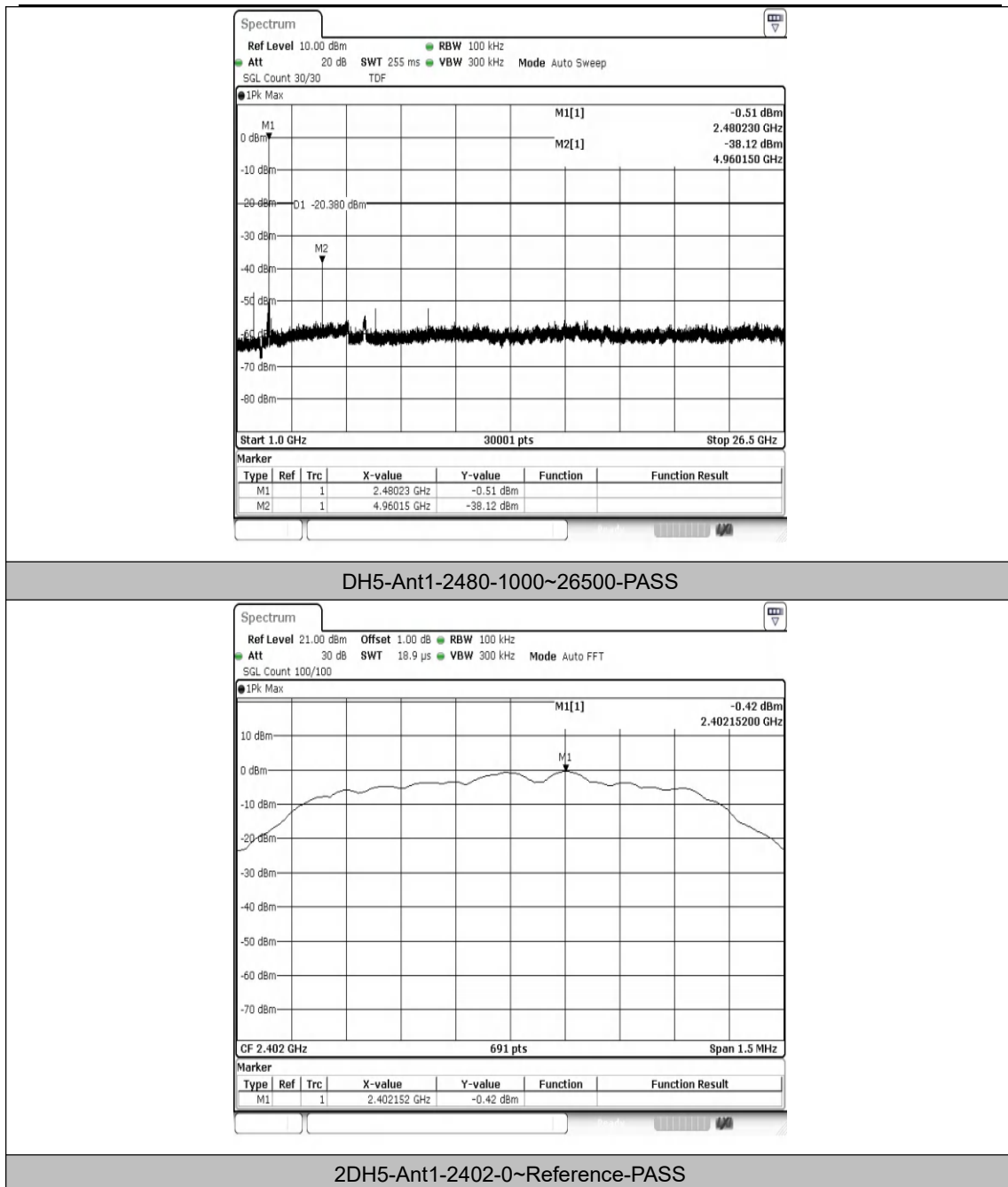
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DH5-Ant1-2480-0~Reference-PASS



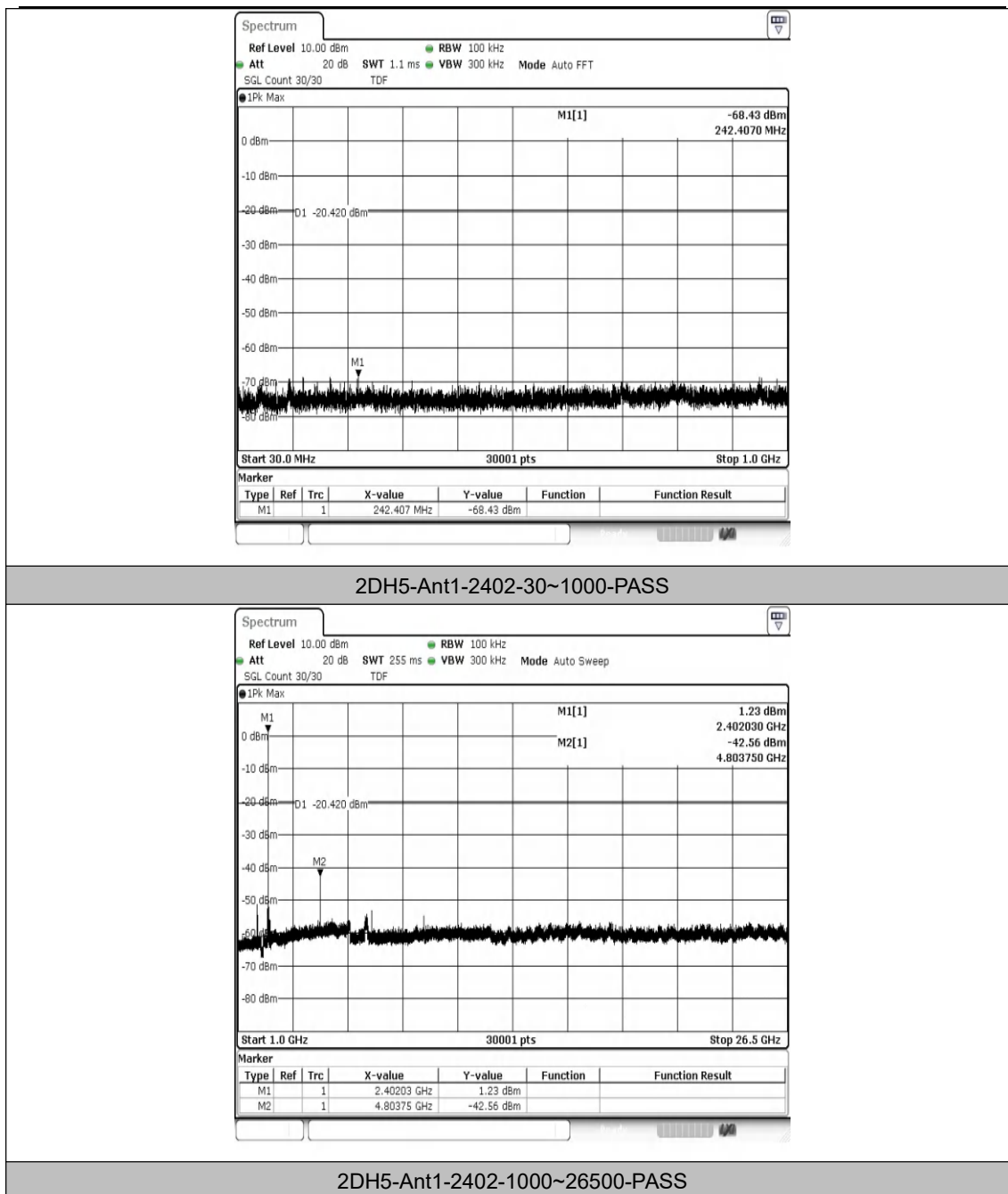
DH5-Ant1-2480-30~1000-PASS

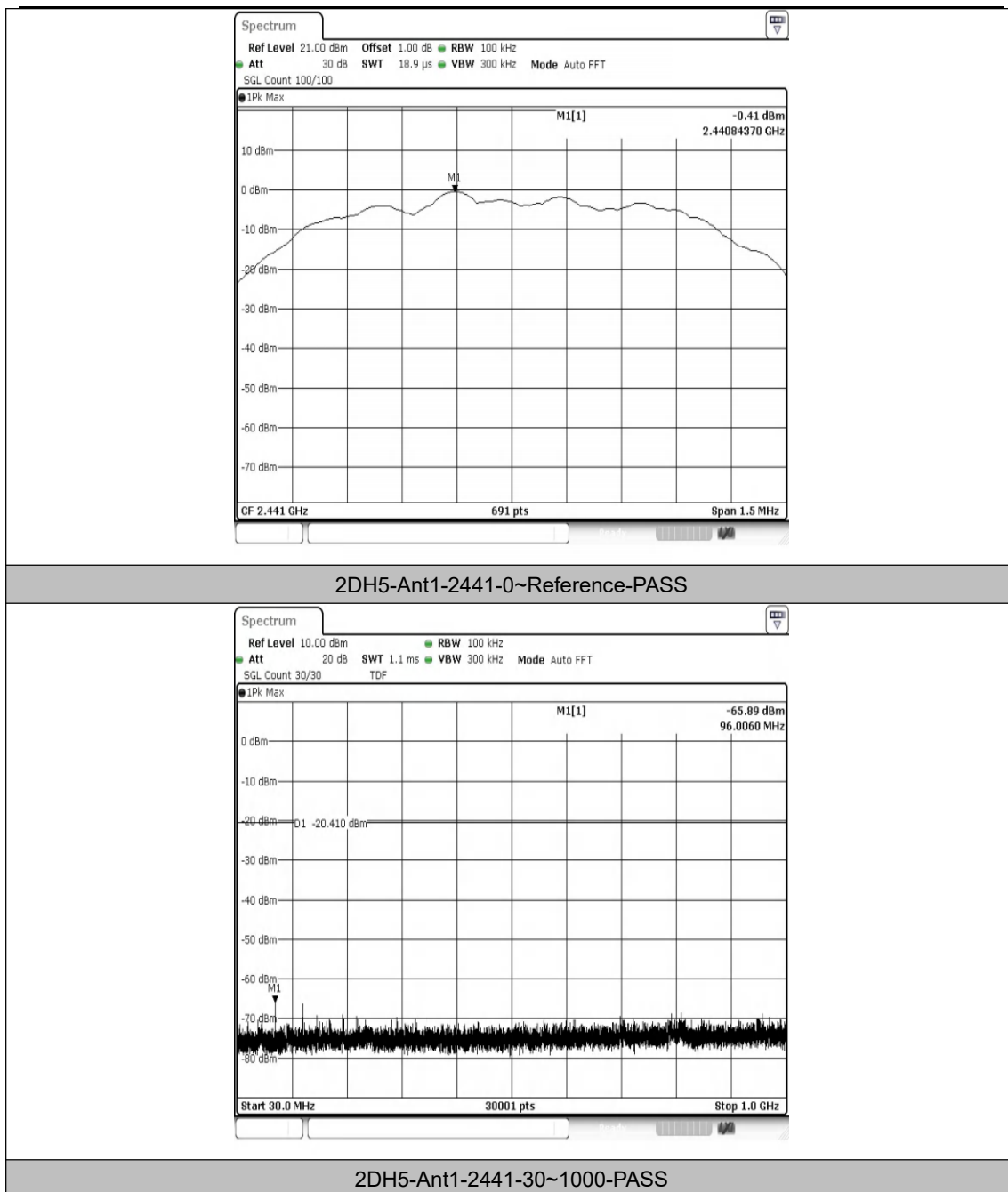


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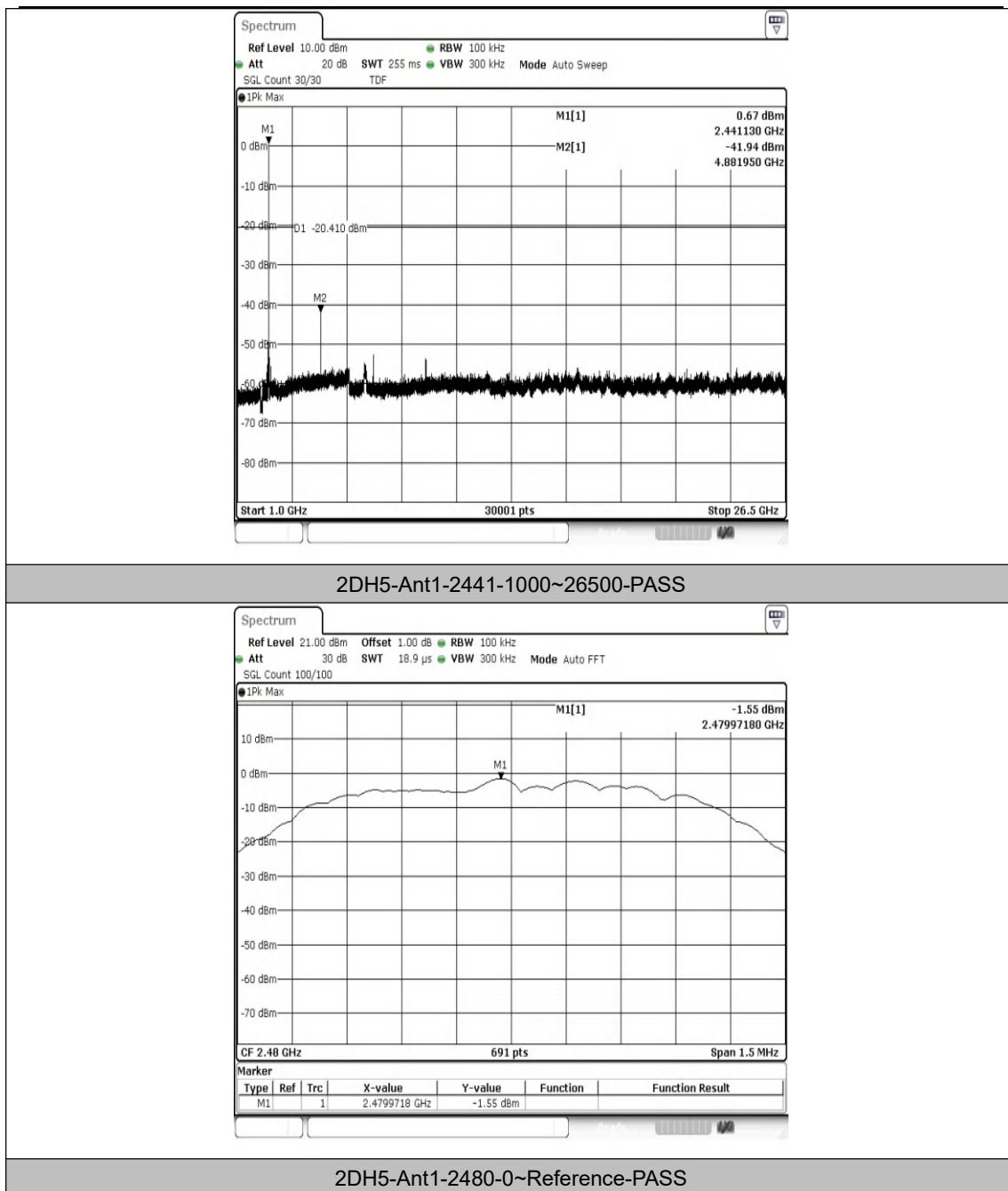




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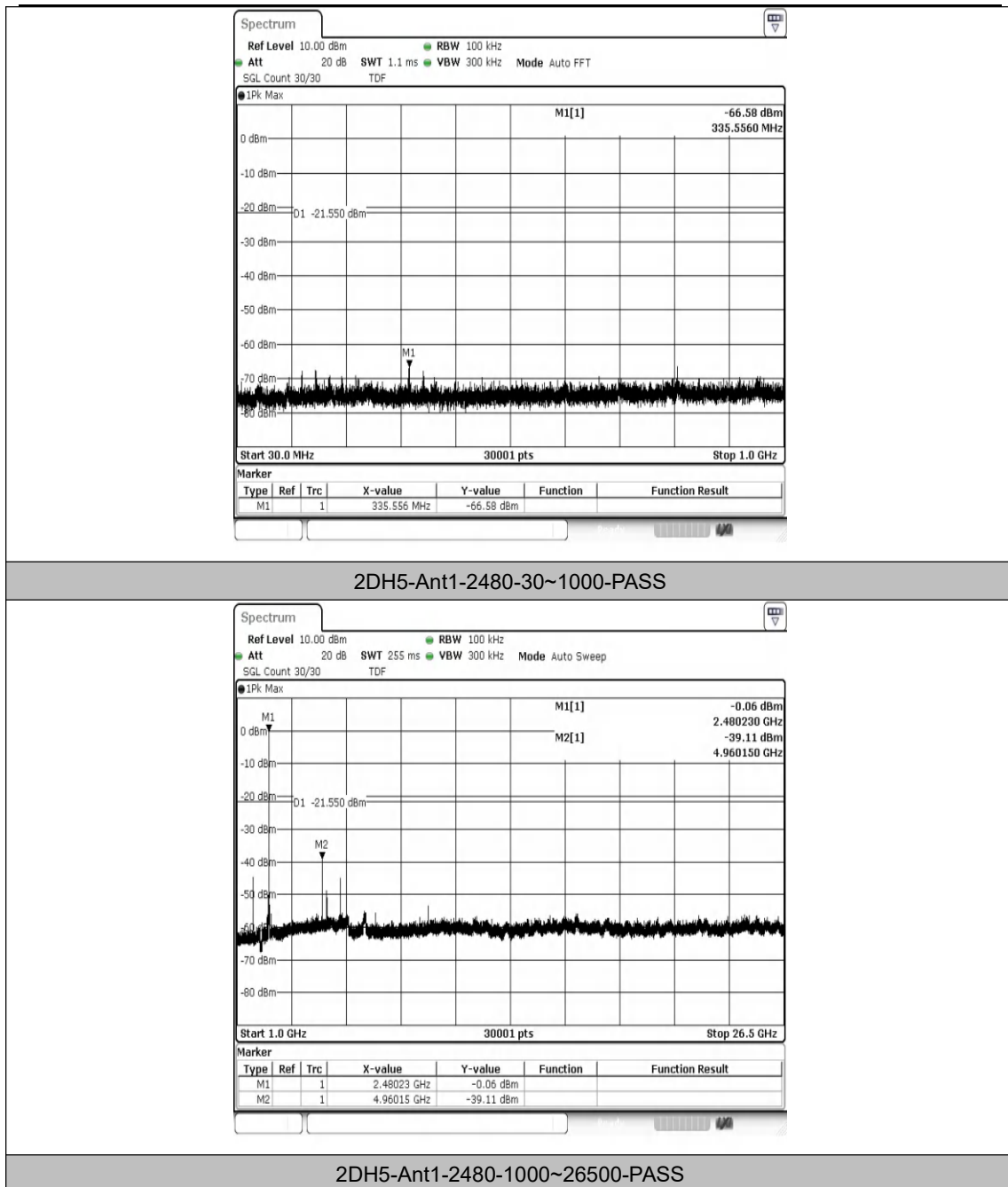
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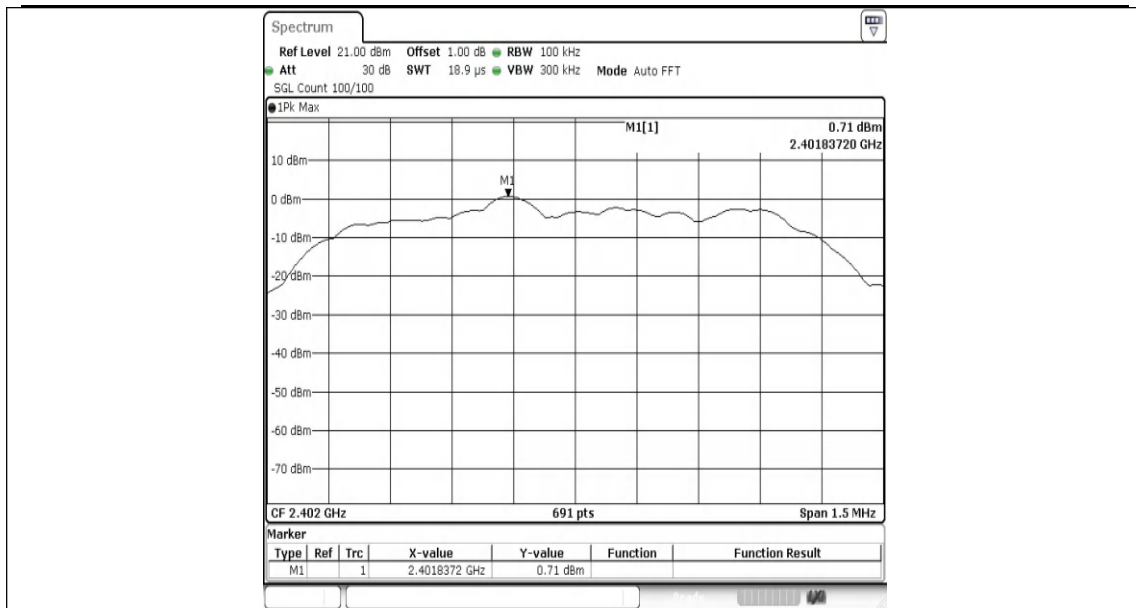
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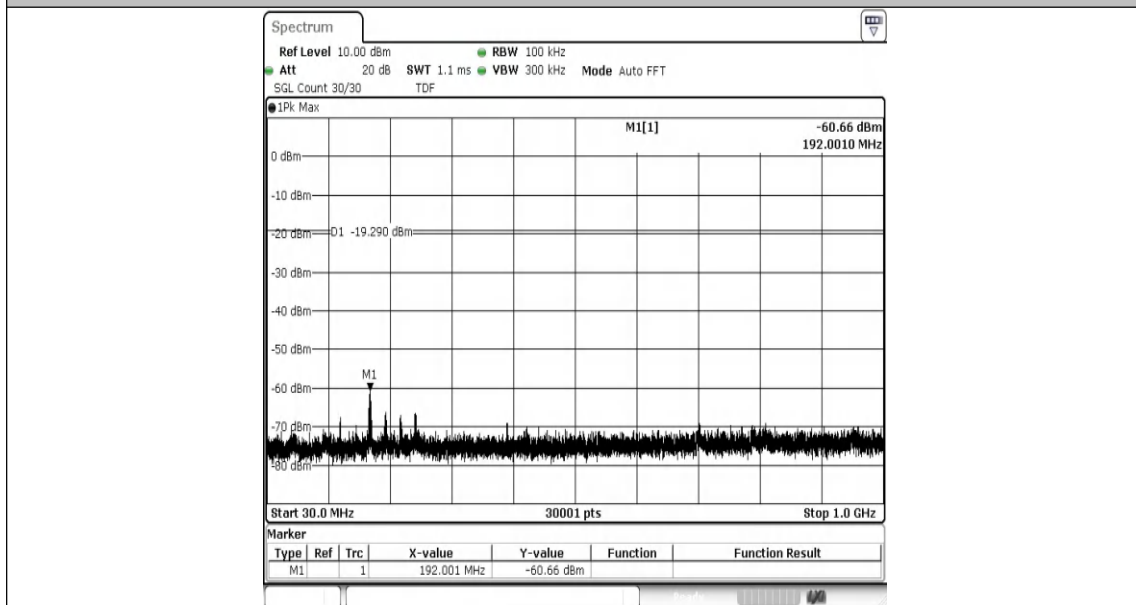
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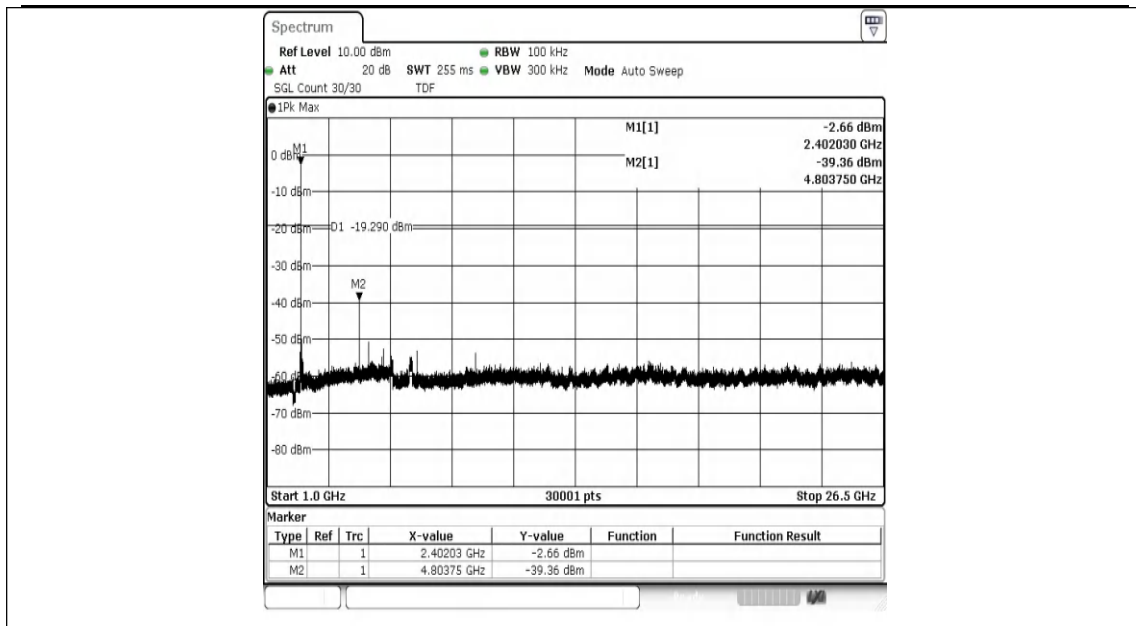
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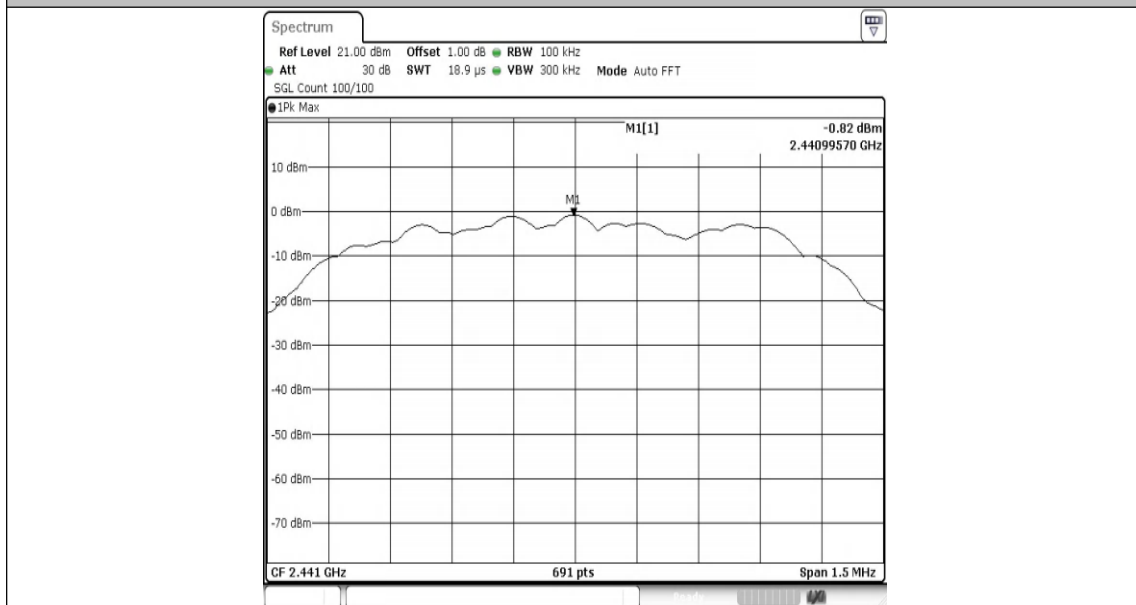
3DH5-Ant1-2402-0~Reference-PASS



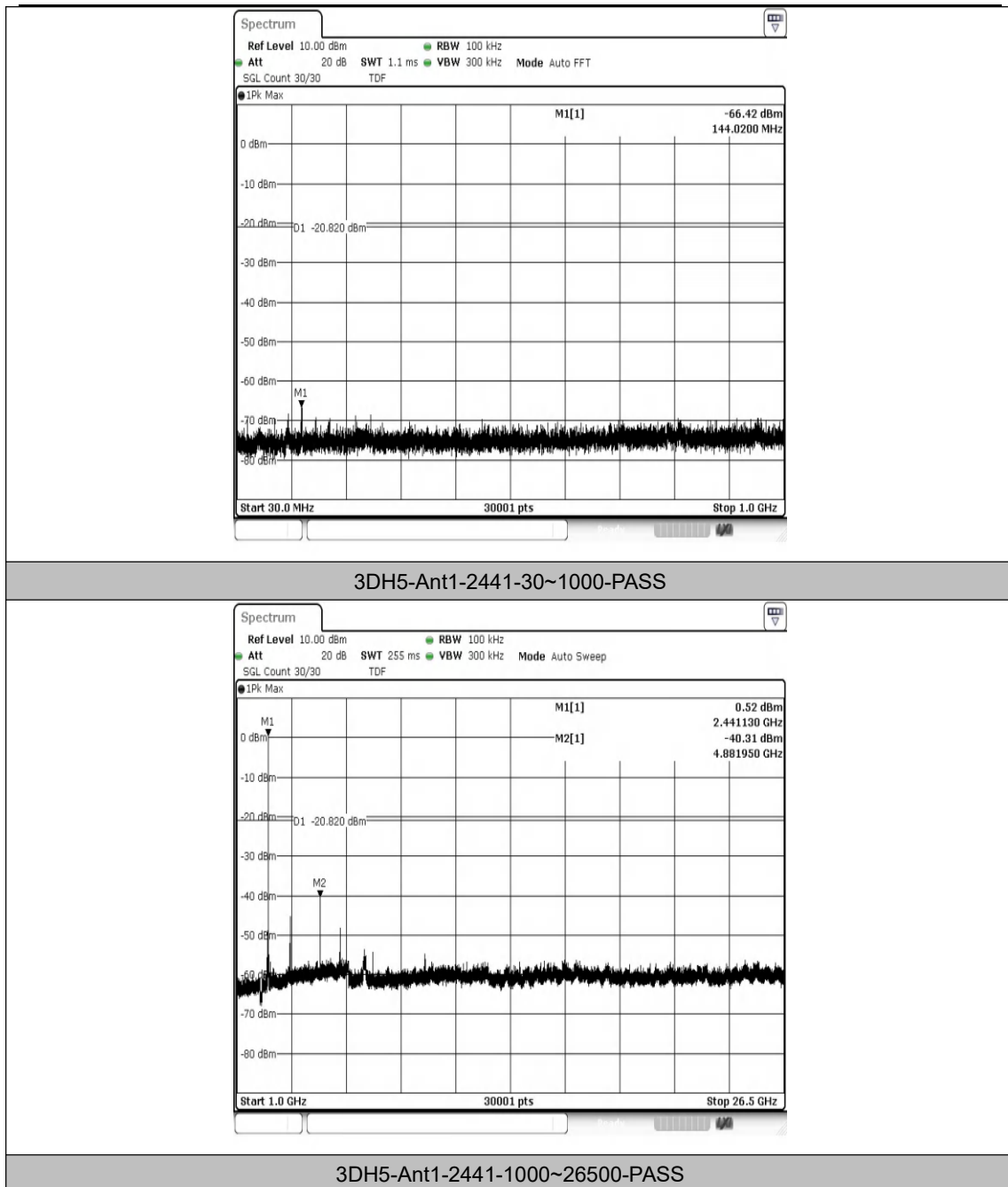
3DH5-Ant1-2402-30~1000-PASS



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



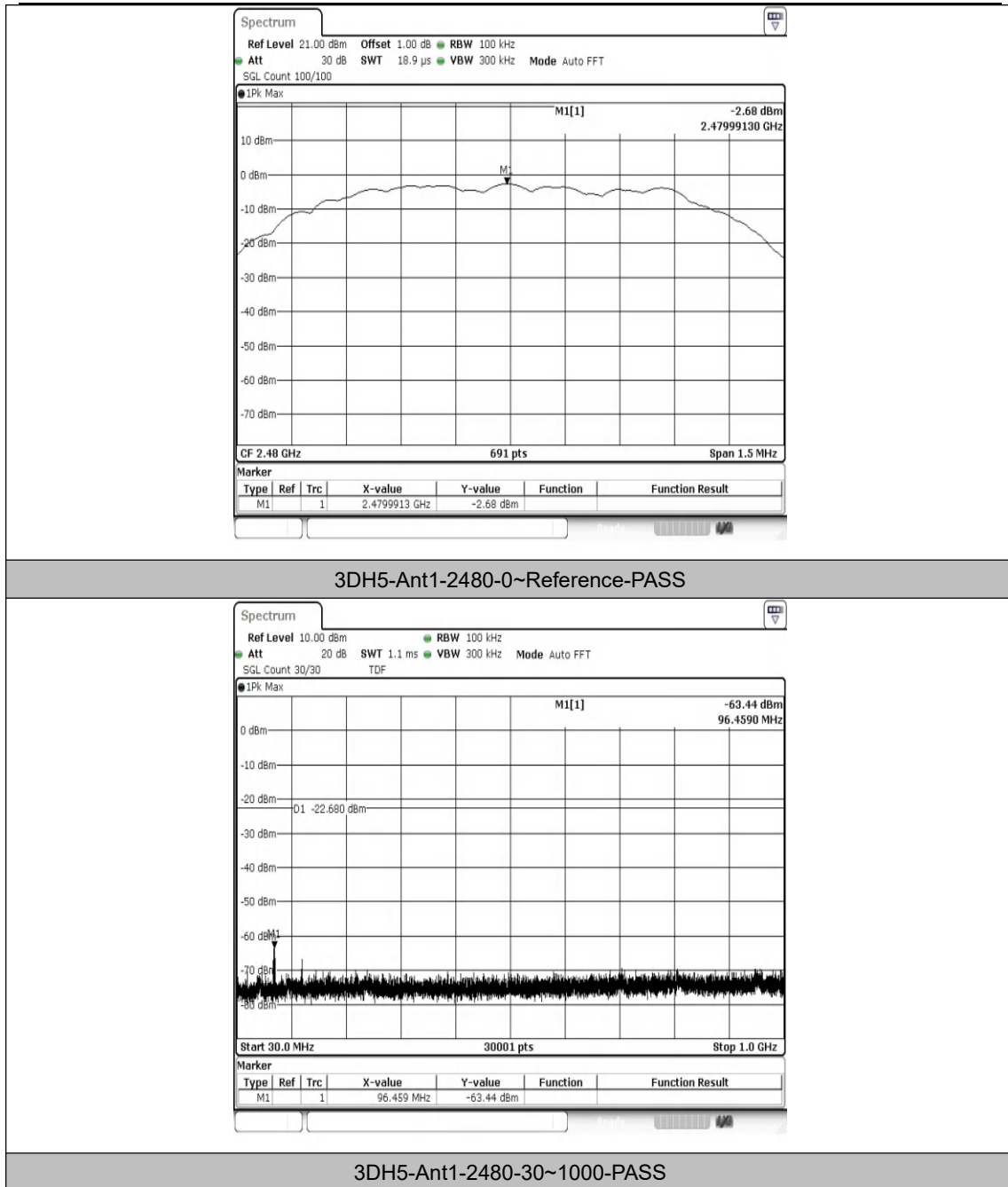
3DH5-Ant1-2441-0~Reference-PASS



Shenzhen Anbotek Compliance Laboratory Limited

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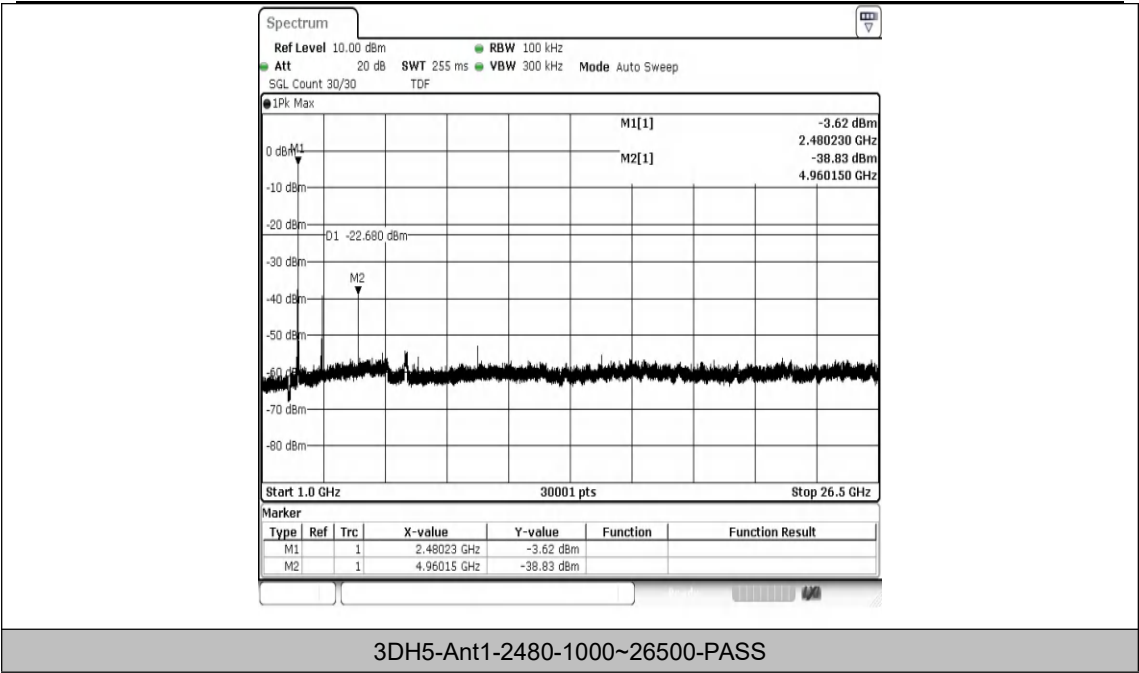
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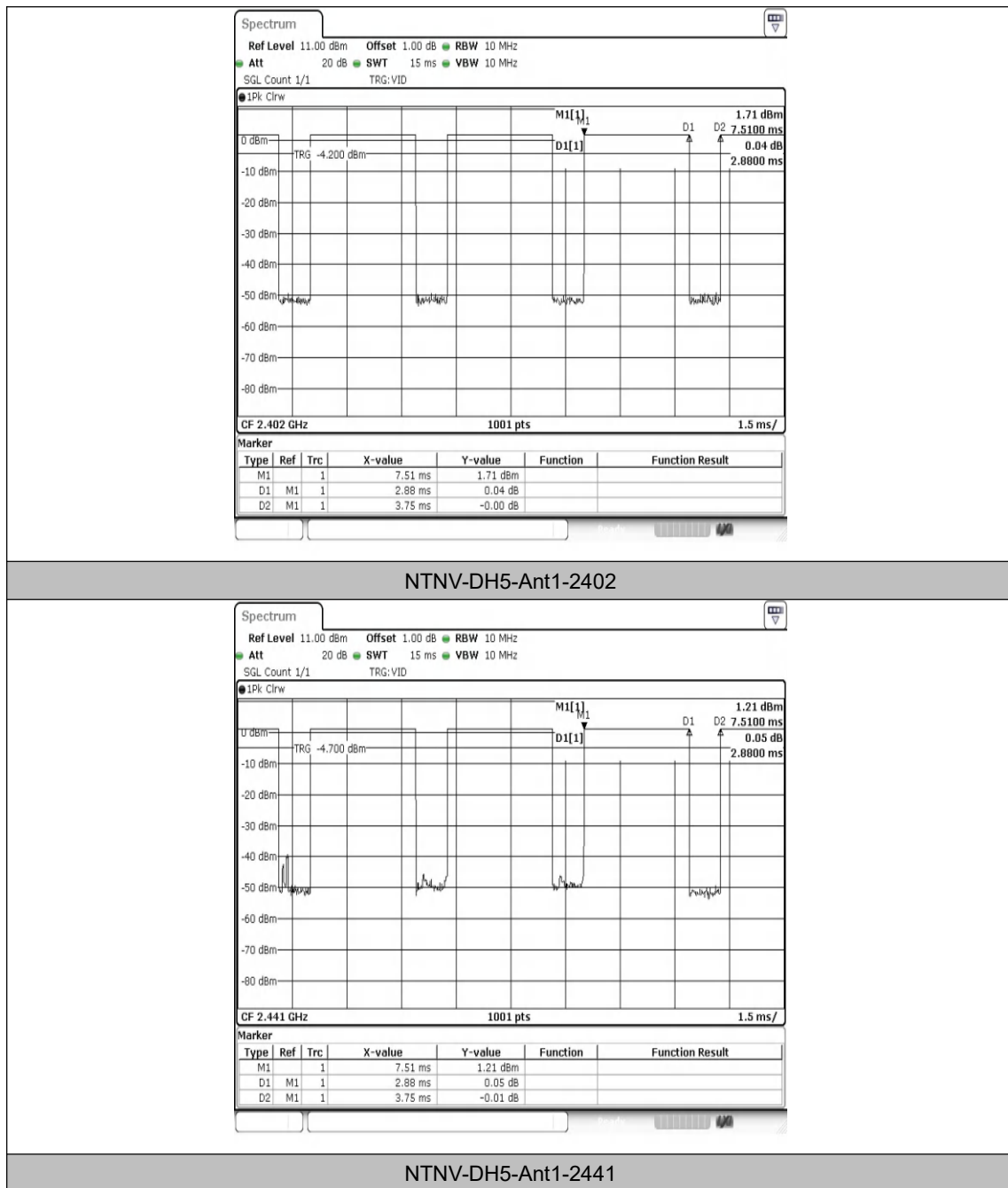
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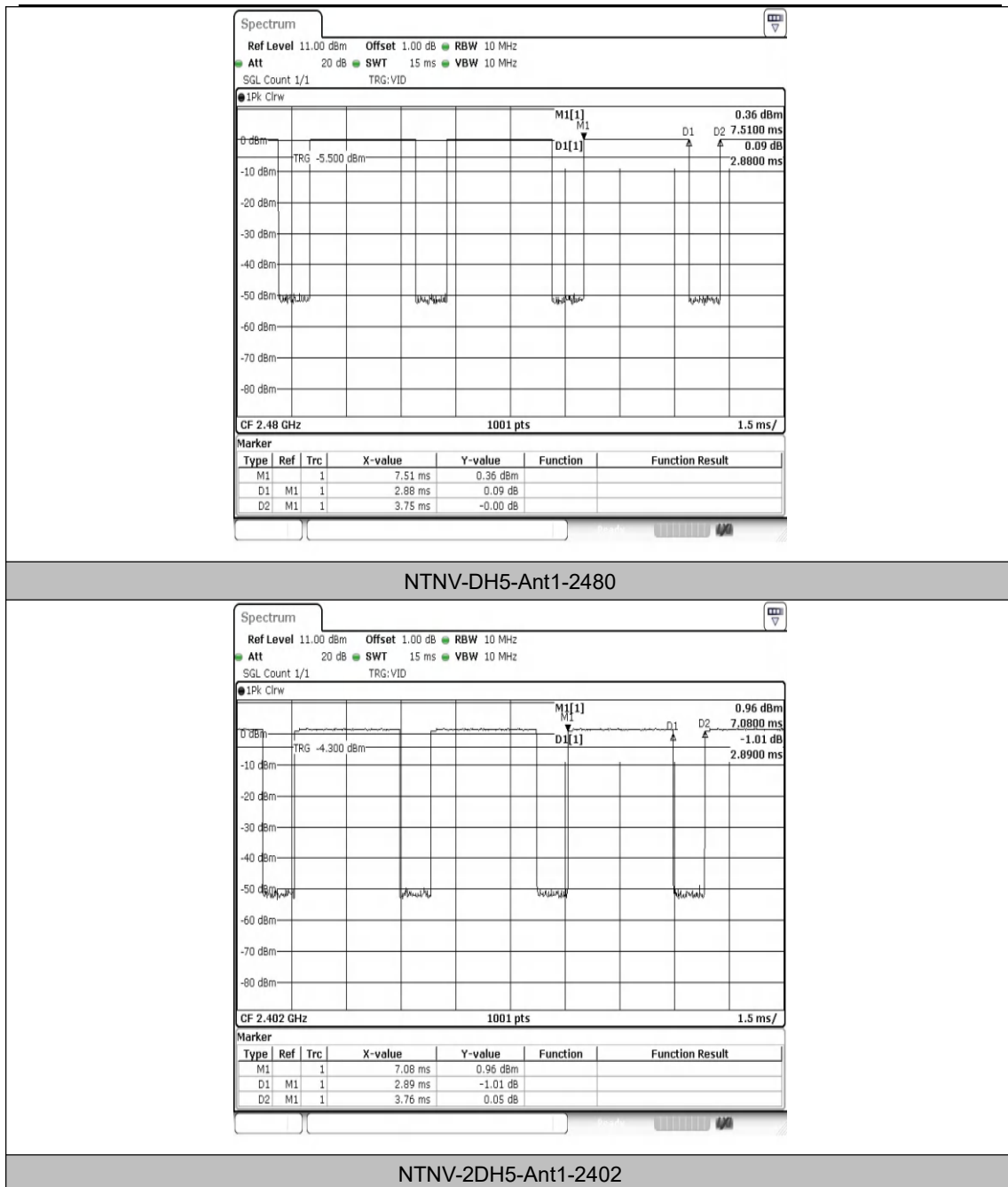
Appendix I: Duty Cycle

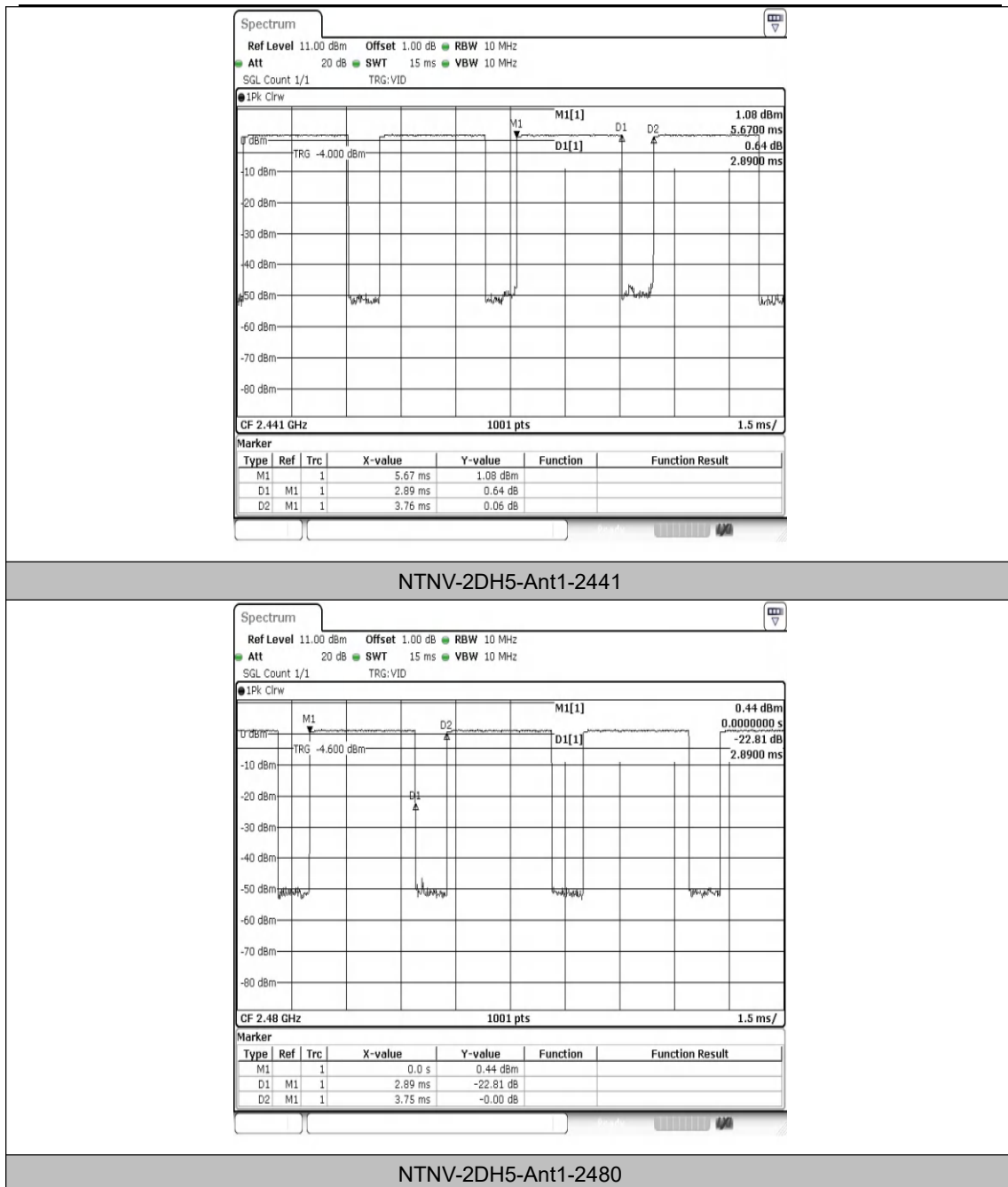
Test Result

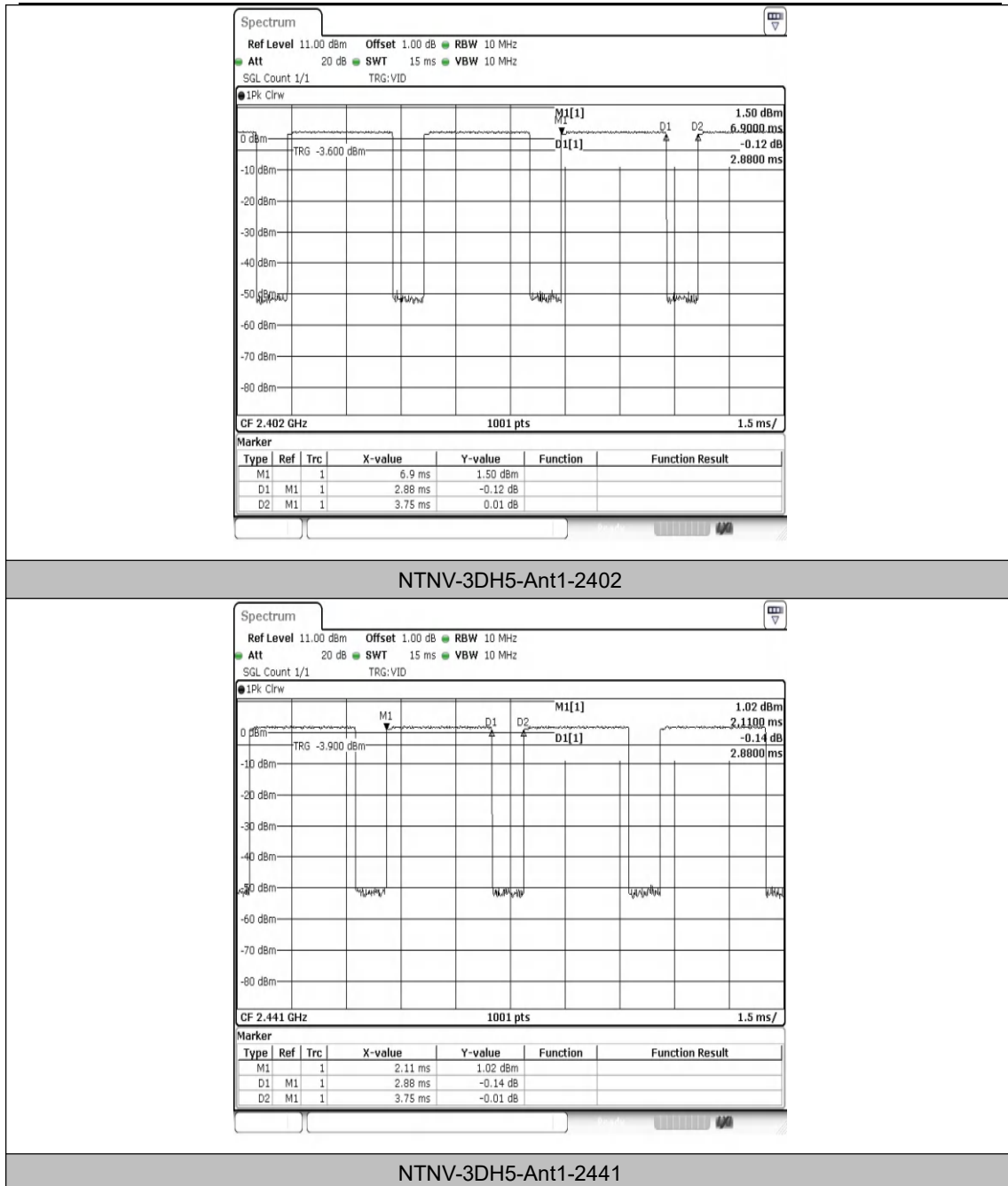
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.76	76.86	1.14
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
2DH5	Ant1	2480	2.89	3.75	77.07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

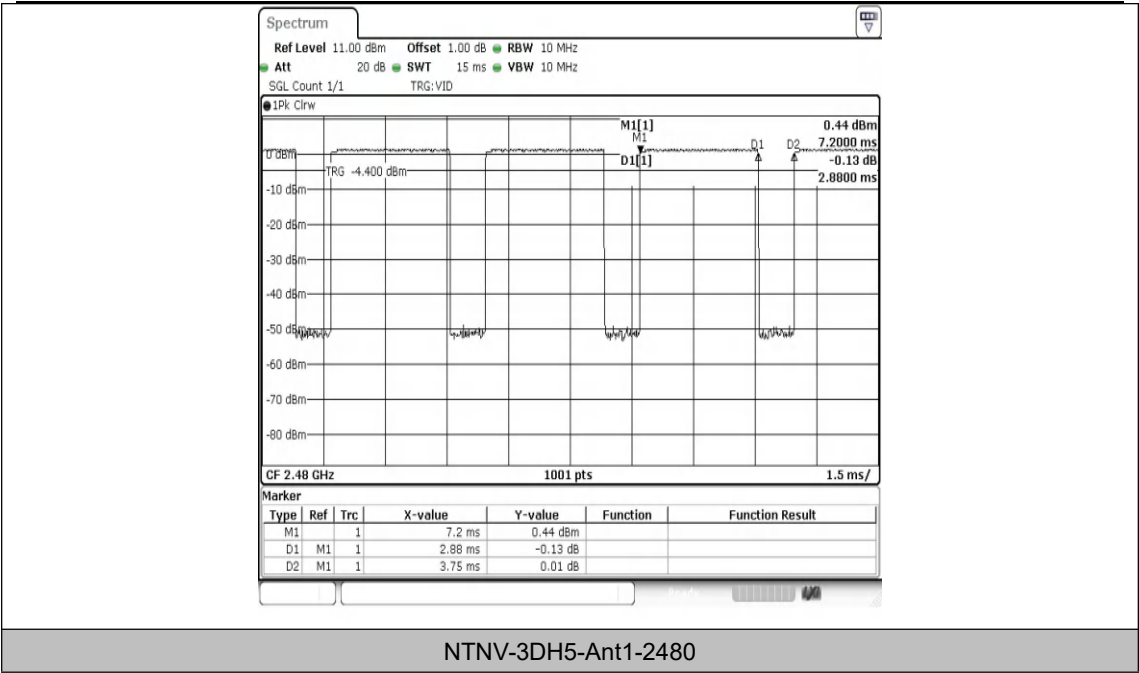
Test Graphs











---End---