

Appendix Test Data

Report No.:	1819C40082612501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.19	Finish Test Date:	2024.11.26
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.5°C	Relative Humidity:	57%
Pressure:	101kPa		

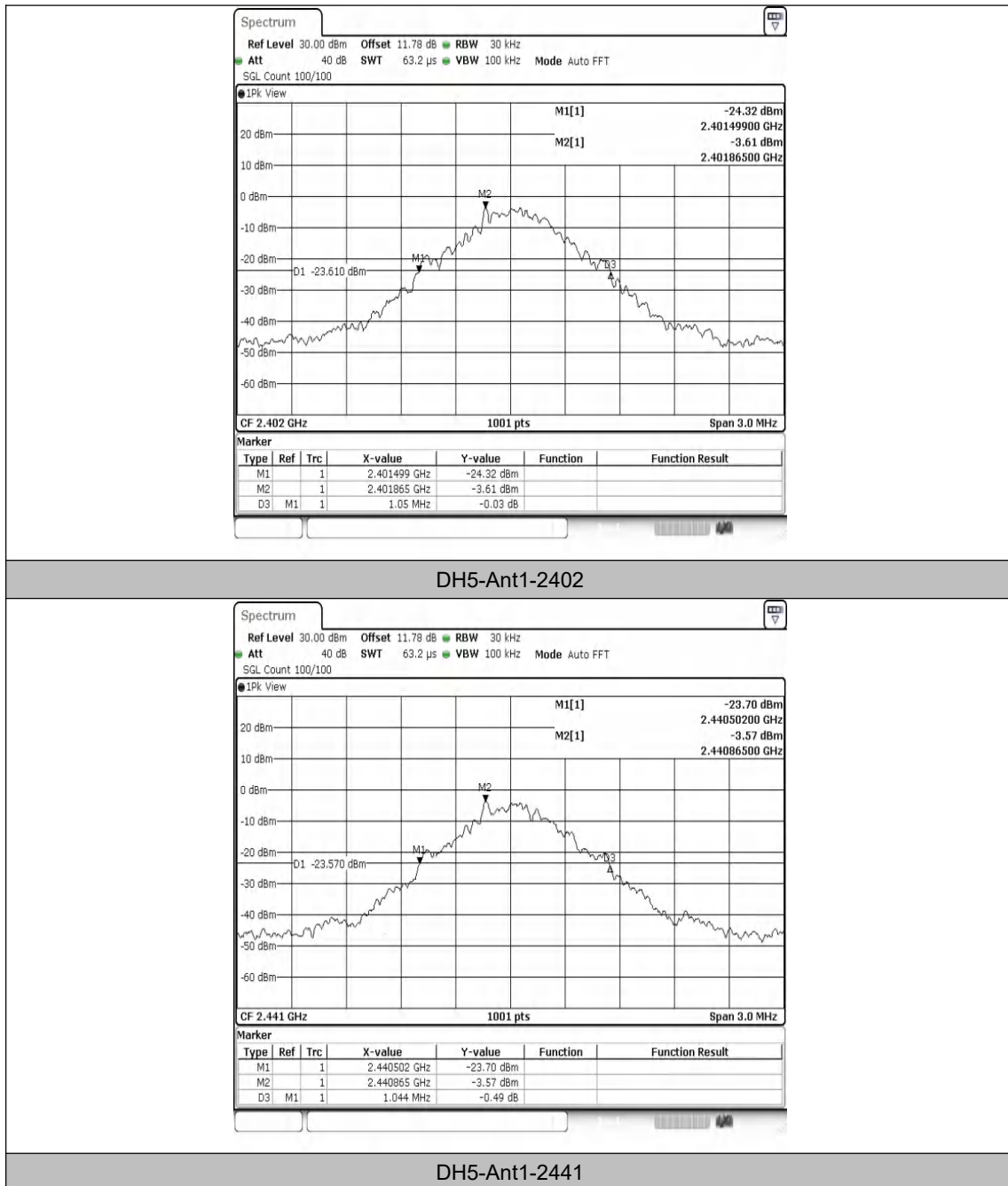
Appendix A: 20dB Bandwidth

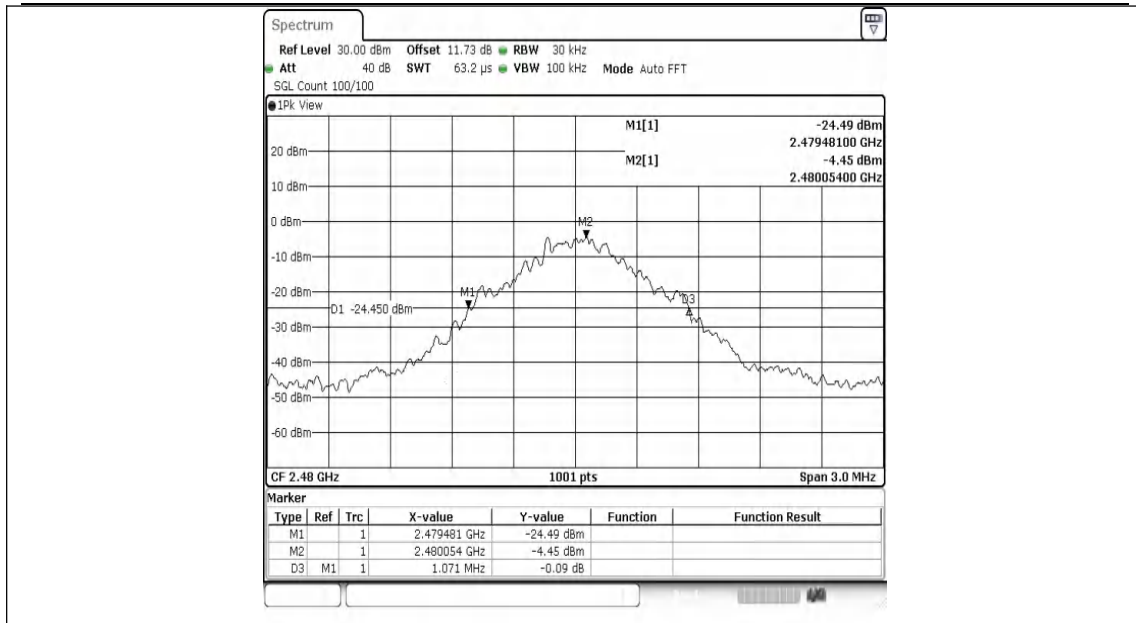
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.05	2401.50	2402.55	---	---
DH5	Ant1	2441	1.04	2440.50	2441.55	---	---
DH5	Ant1	2480	1.07	2479.48	2480.55	---	---
2DH5	Ant1	2402	1.34	2401.36	2402.70	---	---
2DH5	Ant1	2441	1.34	2440.36	2441.70	---	---
2DH5	Ant1	2480	1.36	2479.35	2480.71	---	---
3DH5	Ant1	2402	1.30	2401.38	2402.67	---	---
3DH5	Ant1	2441	1.36	2440.35	2441.71	---	---
3DH5	Ant1	2480	1.38	2479.34	2480.72	---	---

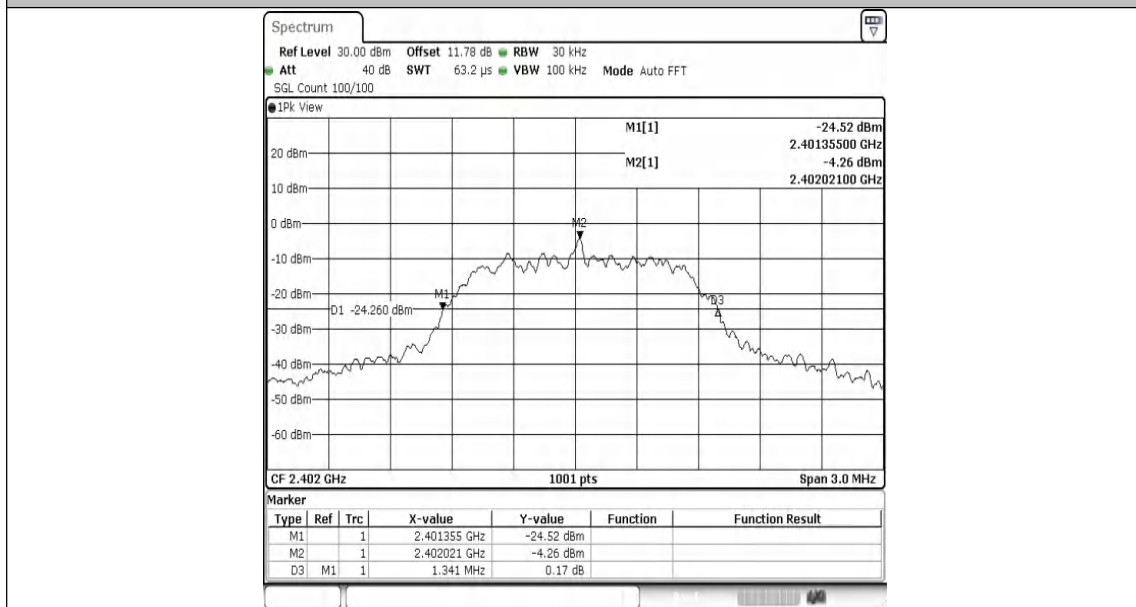


Test Graphs



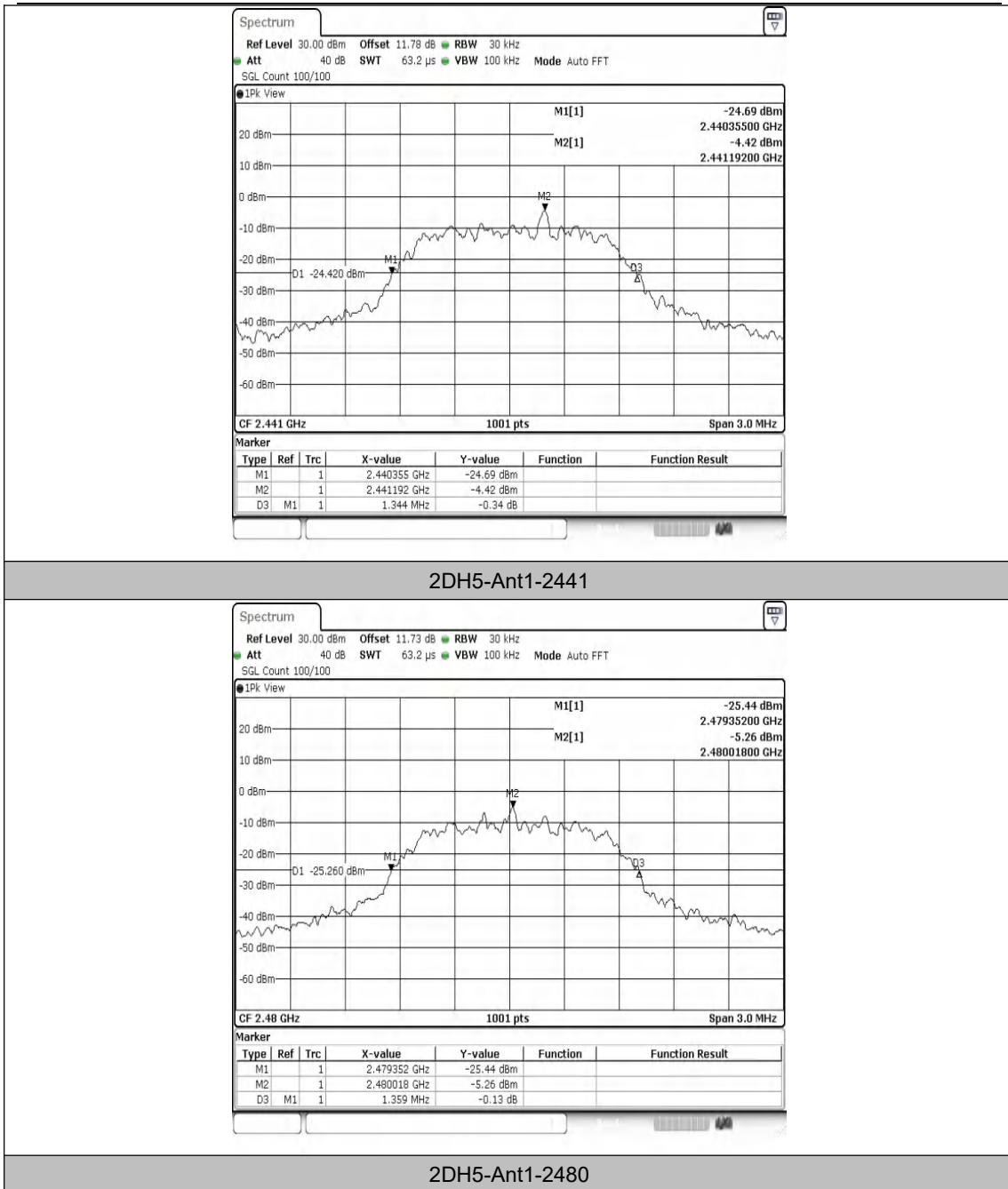


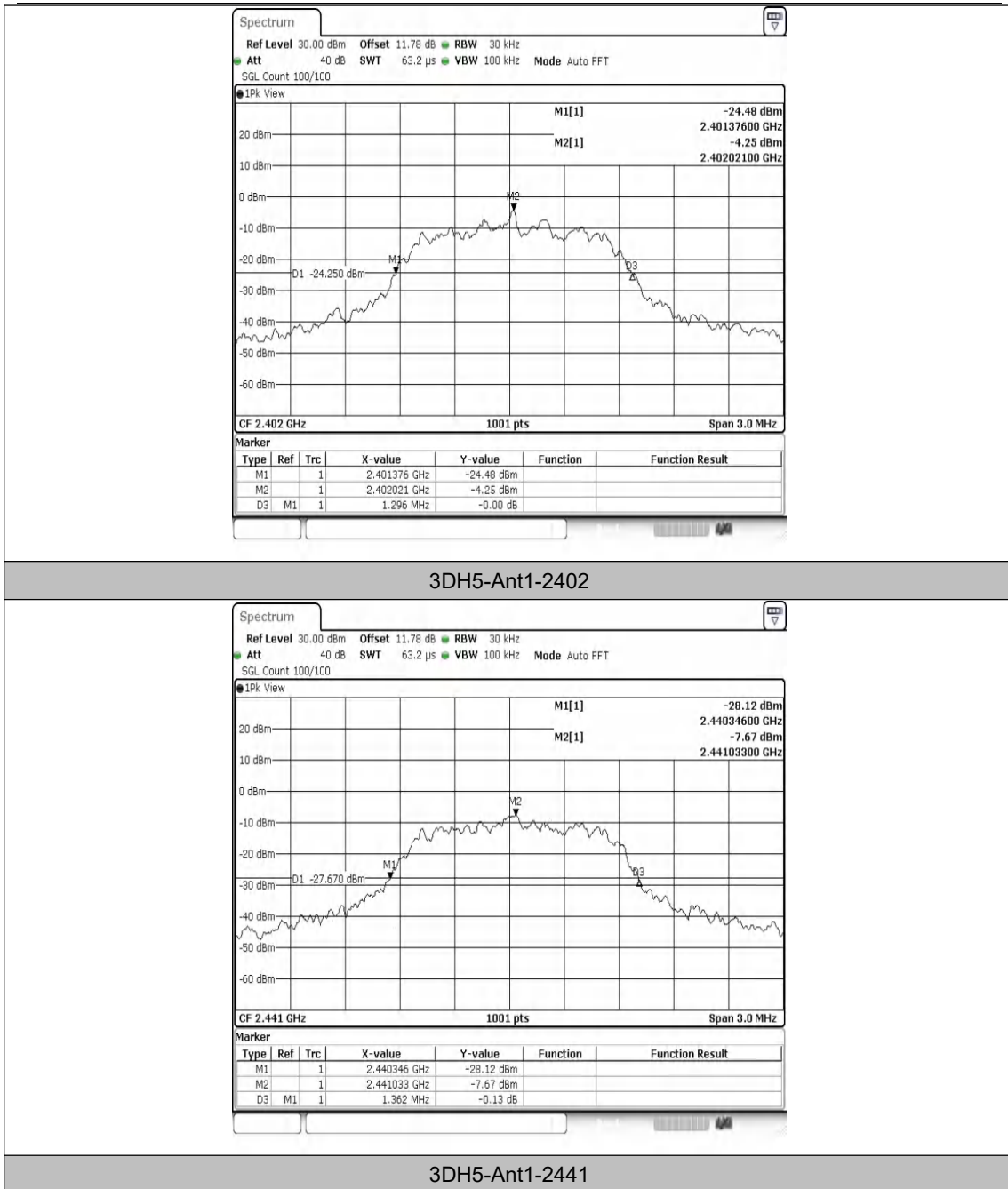
DH5-Ant1-2480

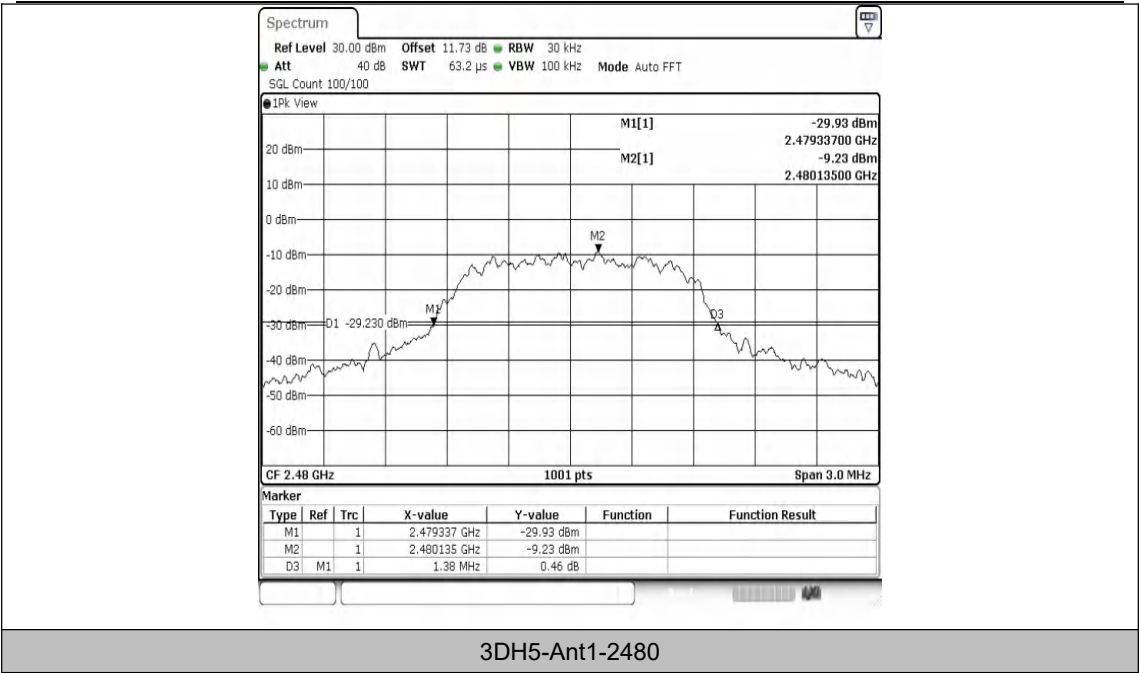


2DH5-Ant1-2402









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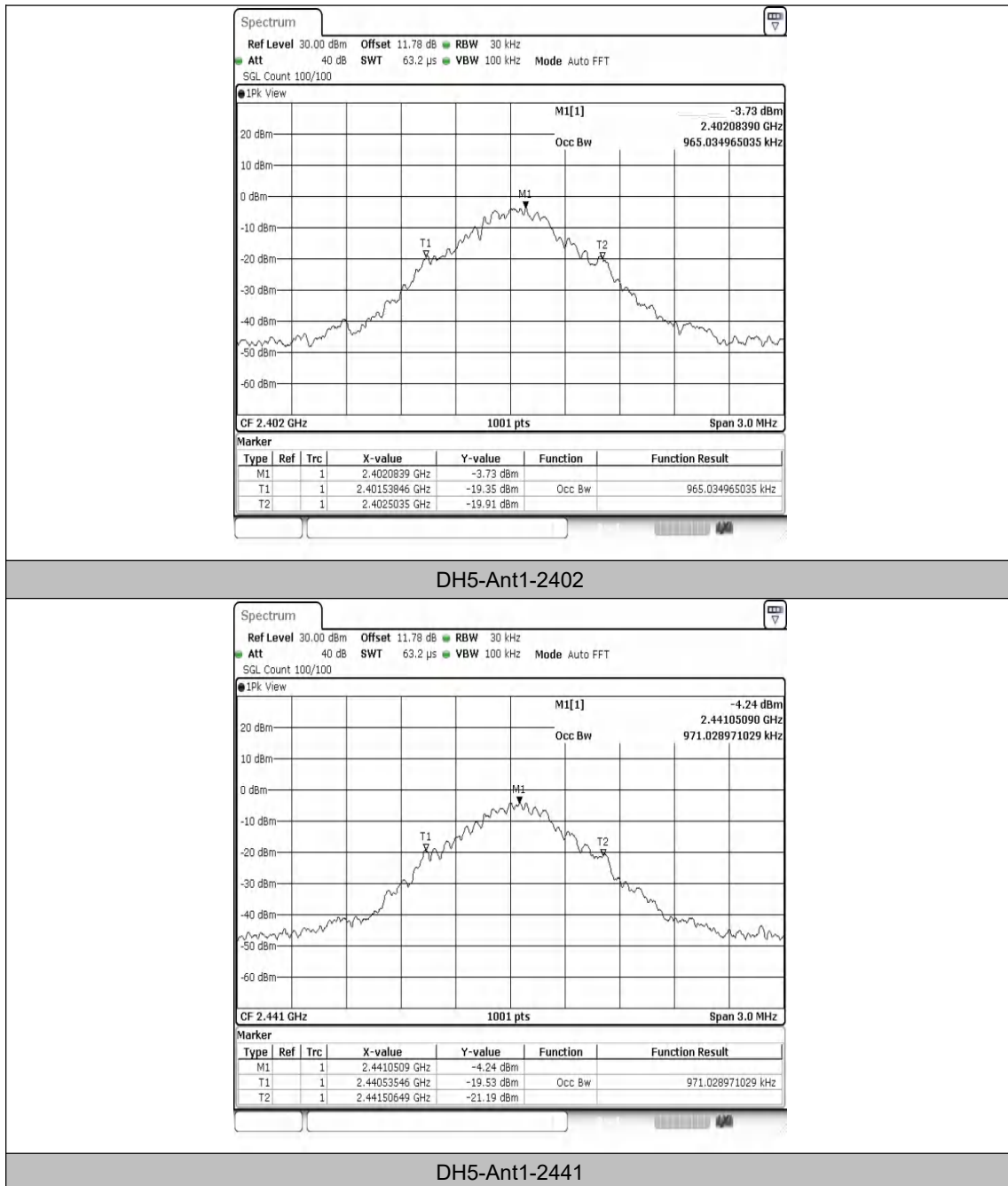
Appendix B: 99% Occupied Bandwidth

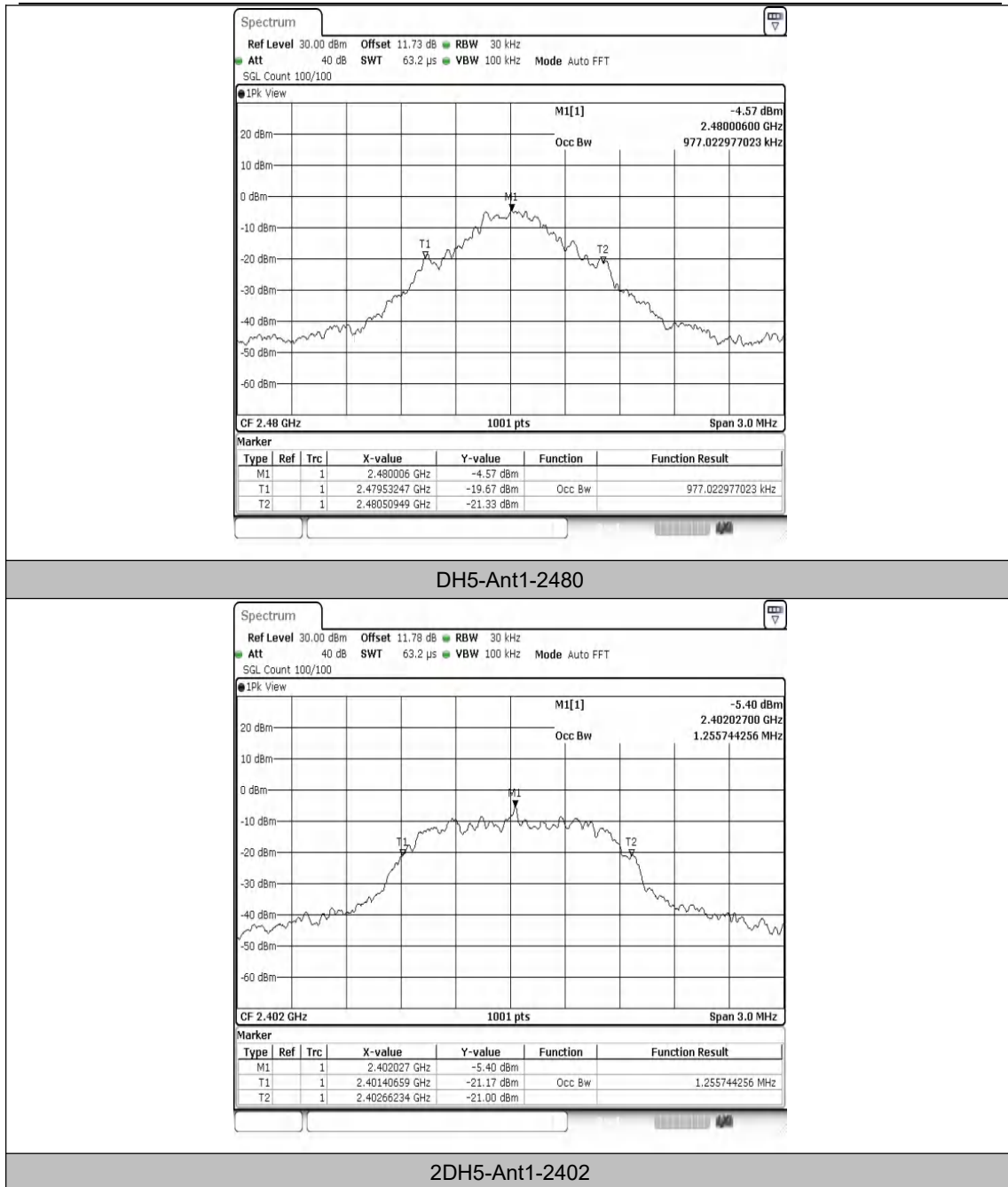
Test Result

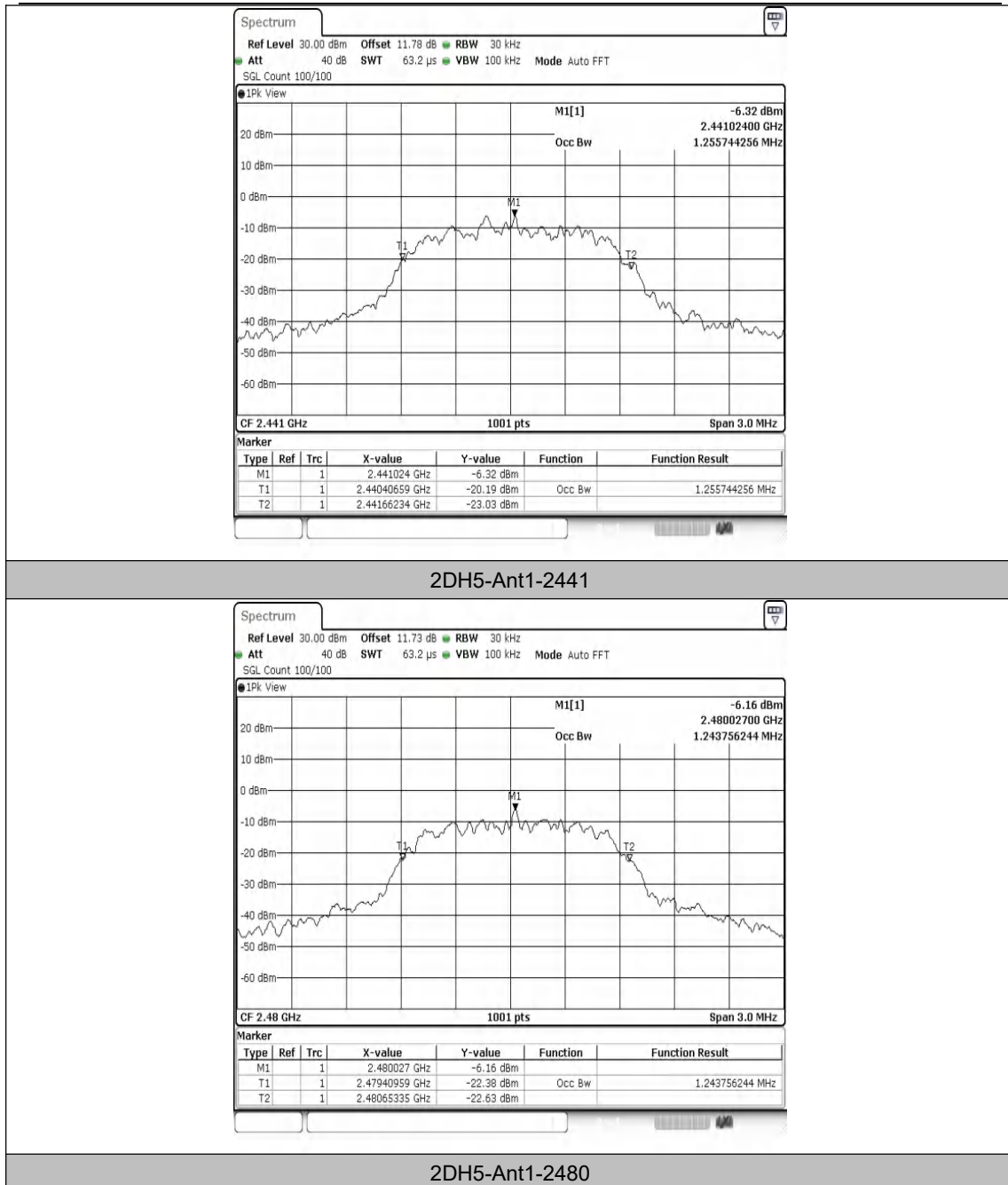
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.965	2401.5385	2402.5035	---	---
DH5	Ant1	2441	0.971	2440.5355	2441.5065	---	---
DH5	Ant1	2480	0.977	2479.5325	2480.5095	---	---
2DH5	Ant1	2402	1.256	2401.4066	2402.6623	---	---
2DH5	Ant1	2441	1.256	2440.4066	2441.6623	---	---
2DH5	Ant1	2480	1.244	2479.4096	2480.6533	---	---
3DH5	Ant1	2402	1.22	2401.4156	2402.6354	---	---
3DH5	Ant1	2441	1.232	2440.4096	2441.6414	---	---
3DH5	Ant1	2480	1.22	2479.4126	2480.6324	---	---

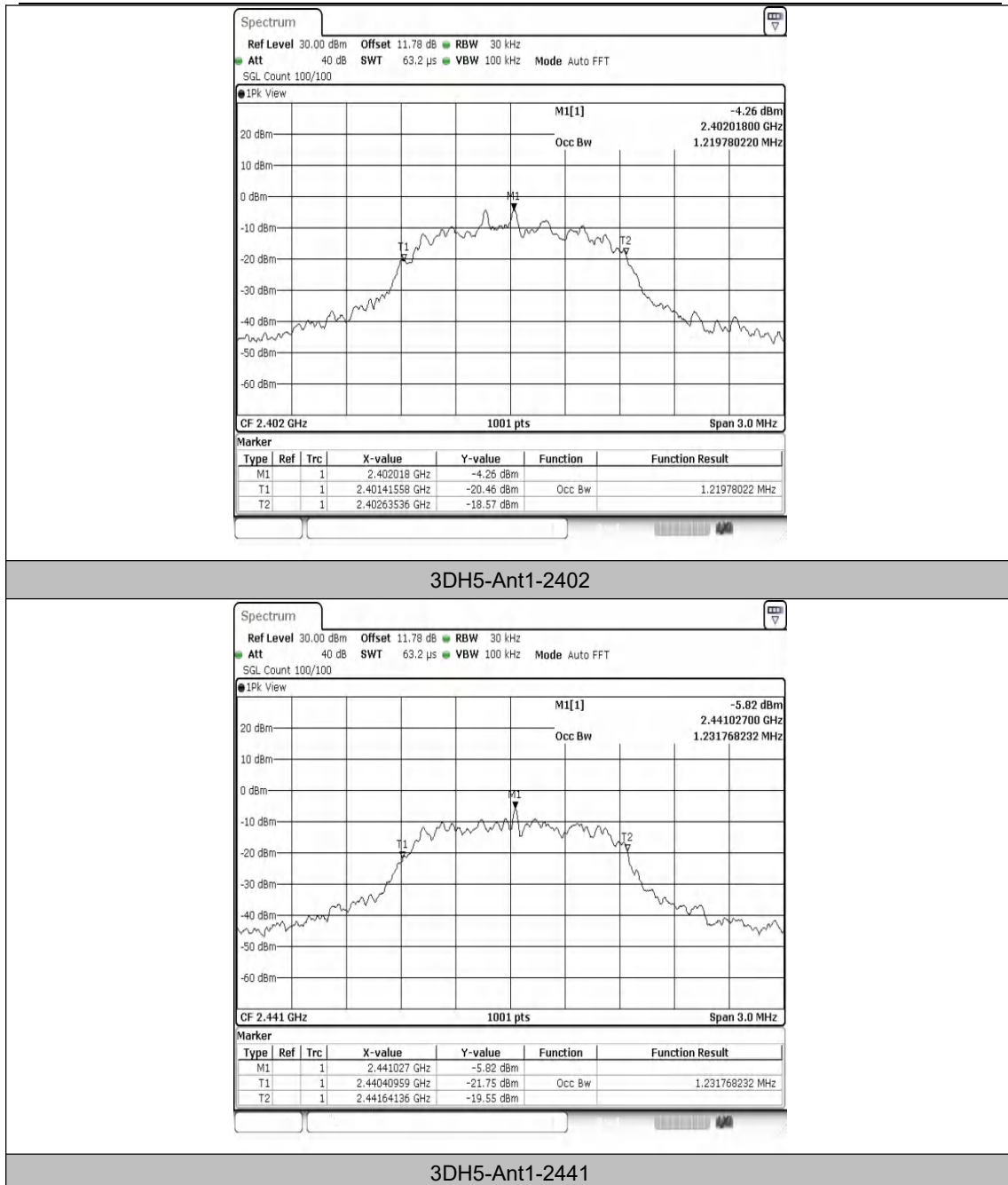


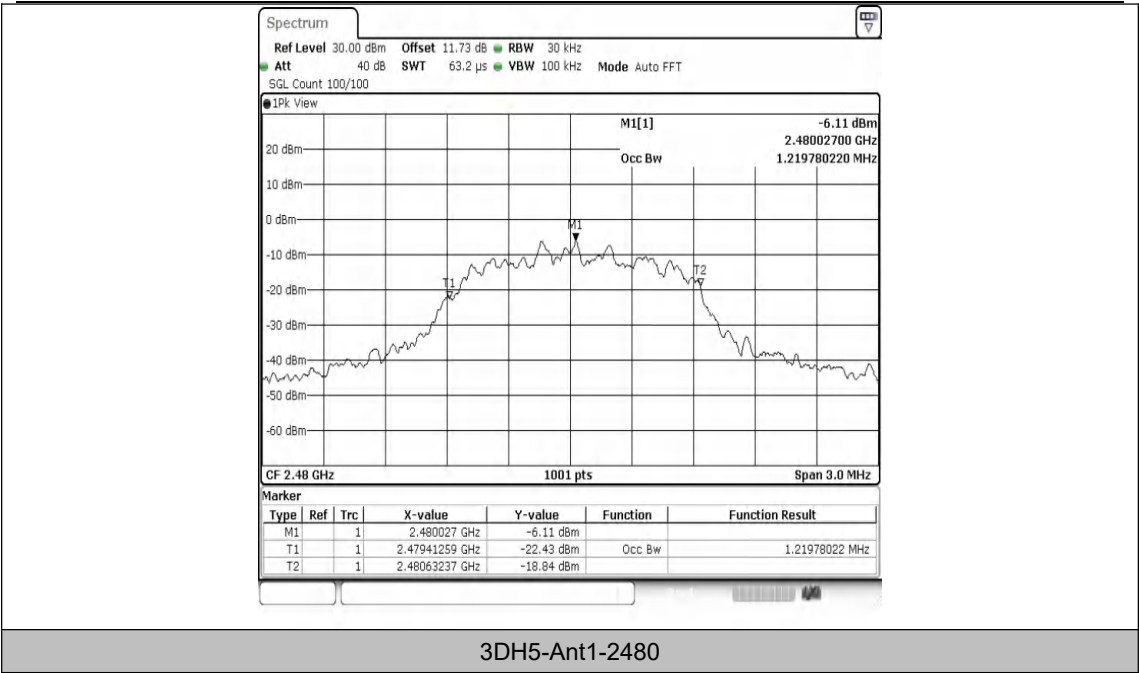
Test Graphs











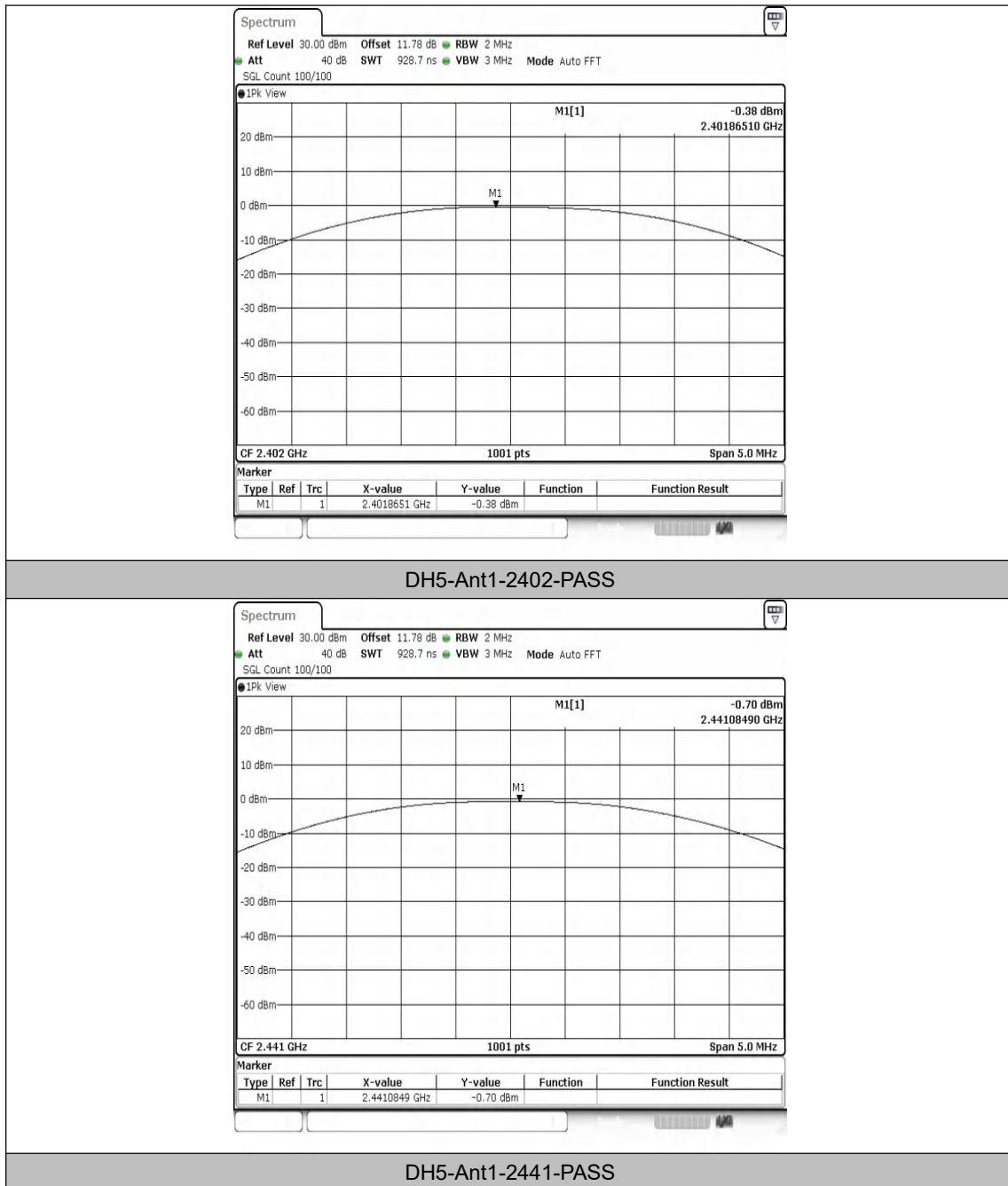
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.38	≤30	PASS
DH5	Ant1	2441	-0.70	≤30	PASS
DH5	Ant1	2480	-1.00	≤30	PASS
2DH5	Ant1	2402	0.12	≤30	PASS
2DH5	Ant1	2441	-0.66	≤30	PASS
2DH5	Ant1	2480	-0.51	≤30	PASS
3DH5	Ant1	2402	0.26	≤30	PASS
3DH5	Ant1	2441	-0.11	≤30	PASS
3DH5	Ant1	2480	-0.78	≤30	PASS



Test Graphs

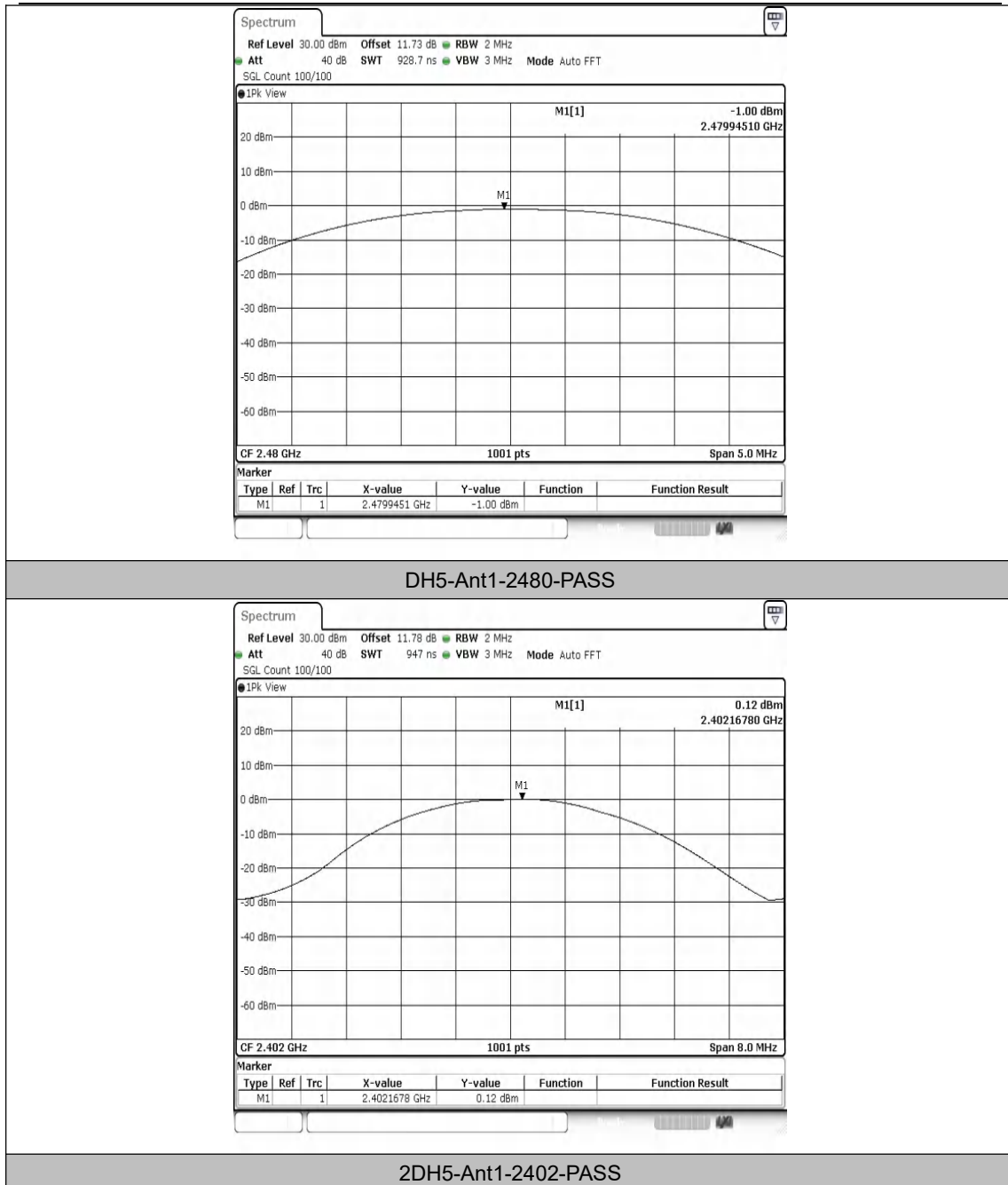


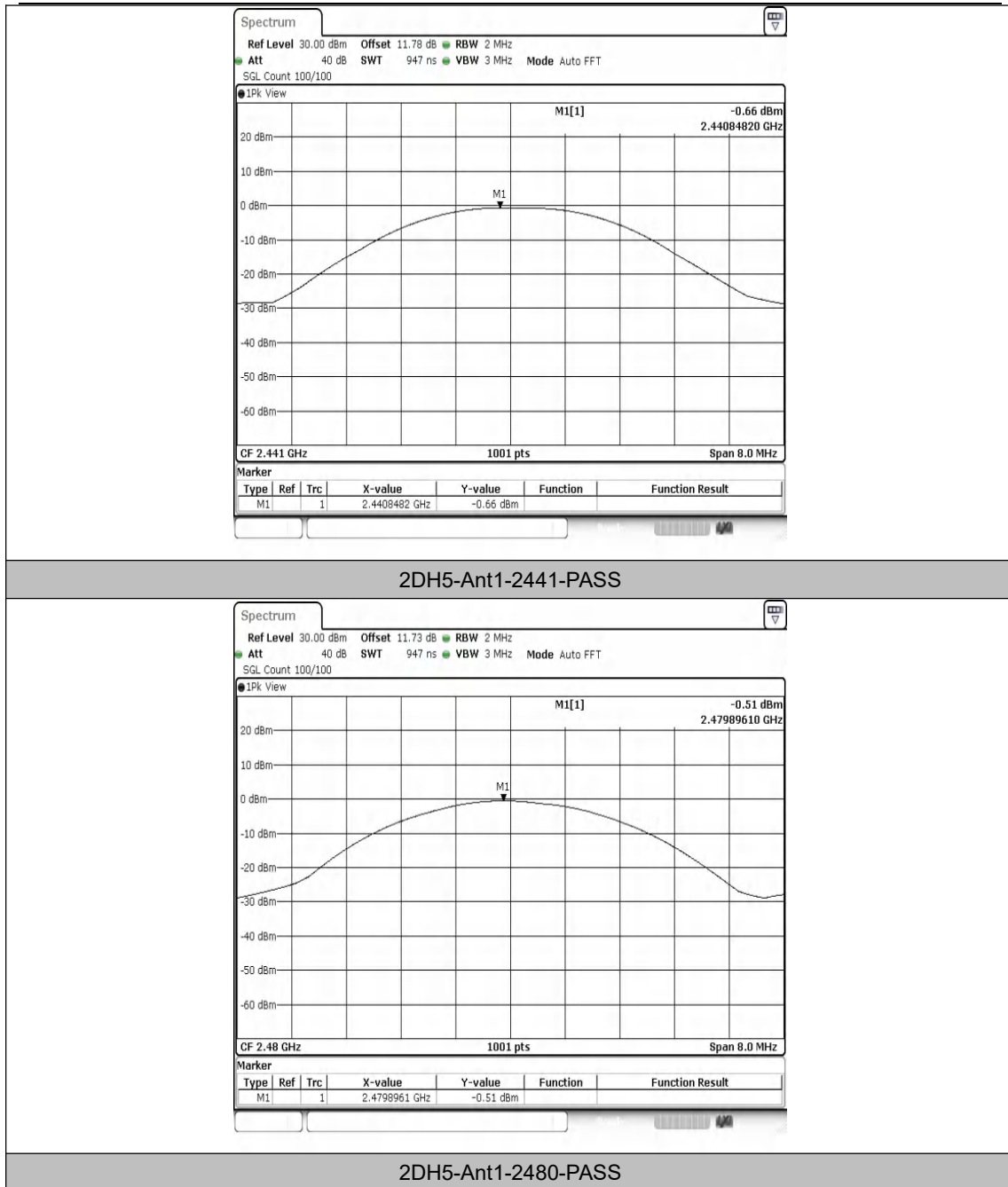
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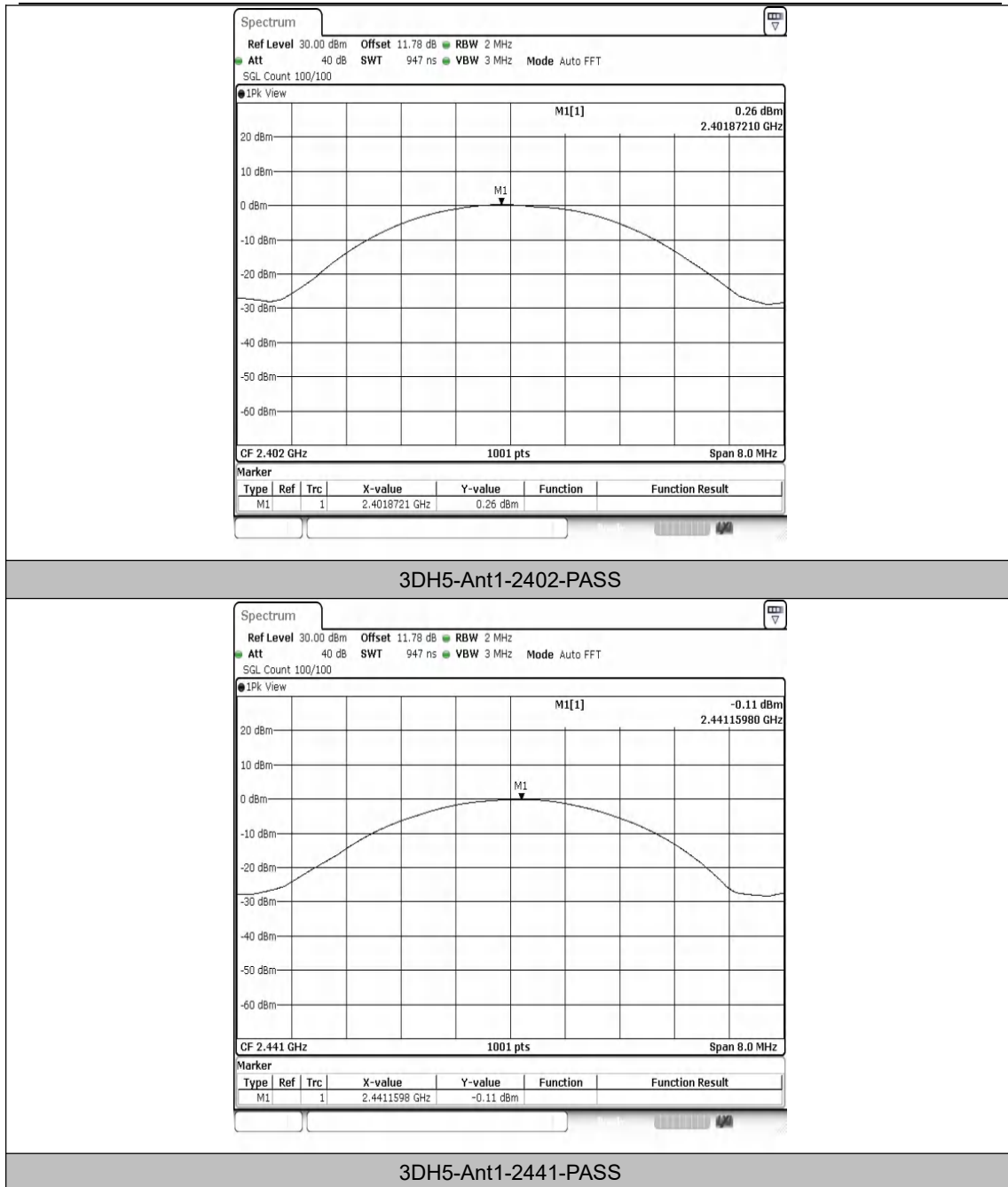
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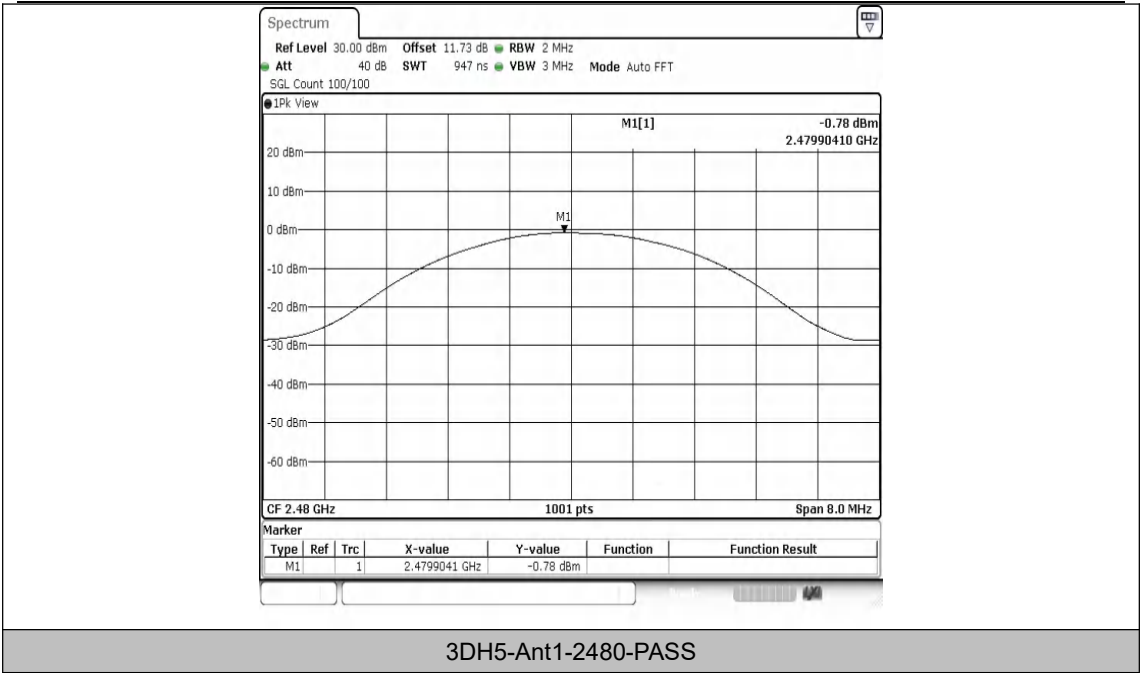
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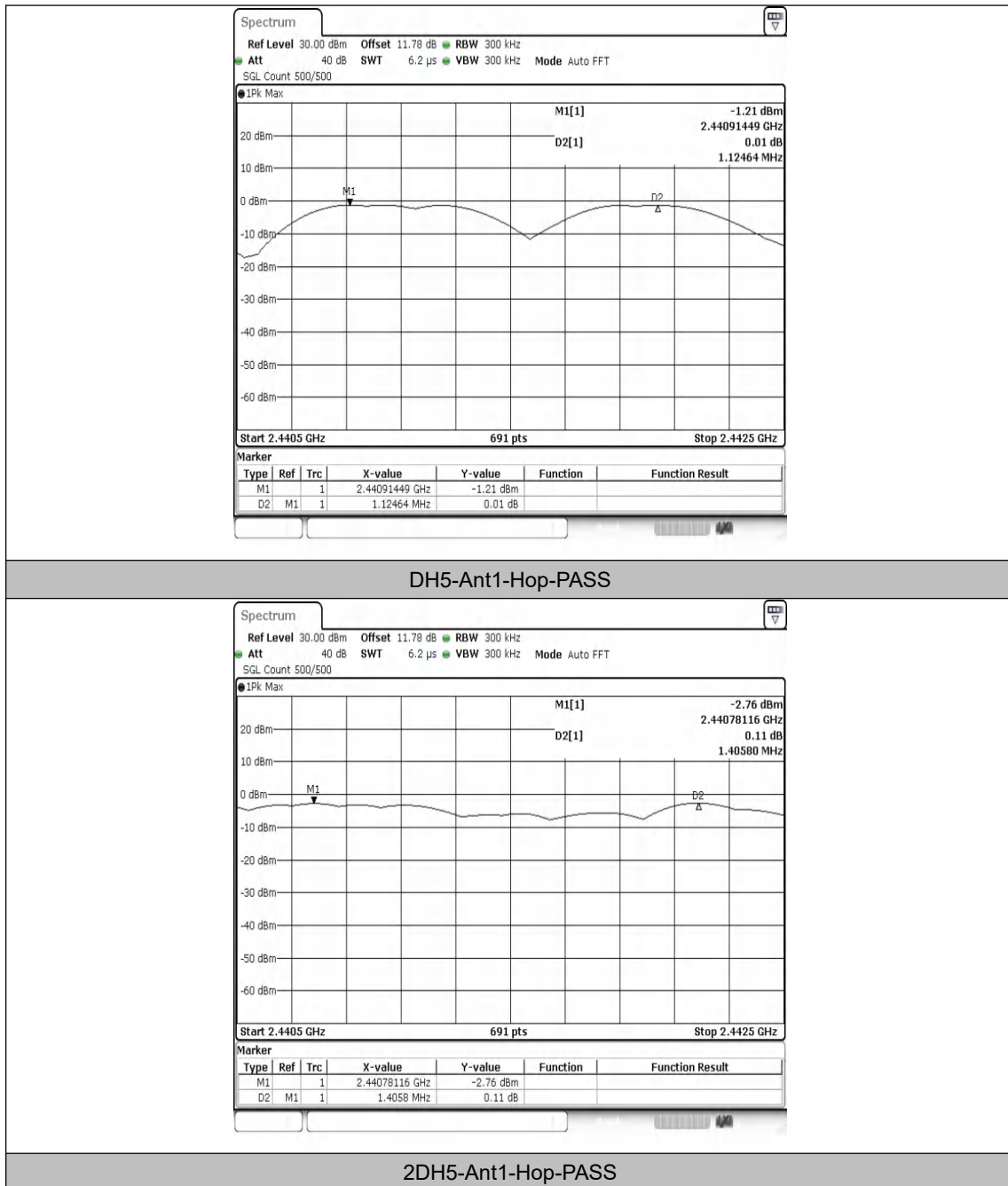
Appendix D: Carrier frequency separation

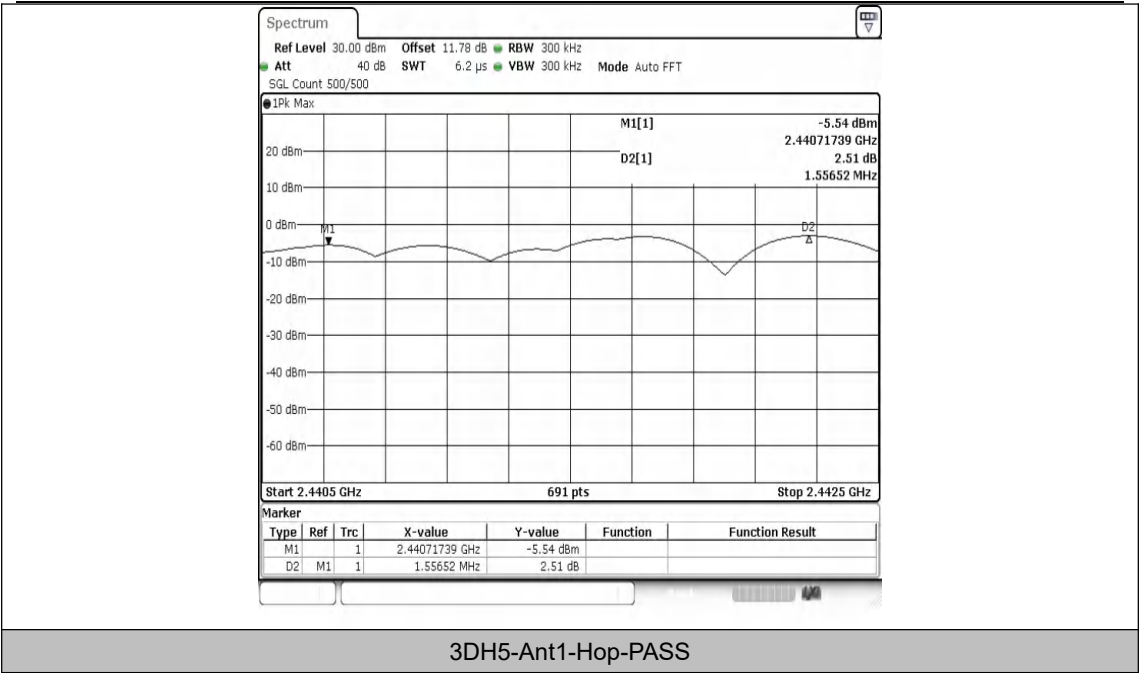
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.125	≥1.070	PASS
2DH5	Ant1	Hop	1.406	≥1.360	PASS
3DH5	Ant1	Hop	1.557	≥1.380	PASS



Test Graphs





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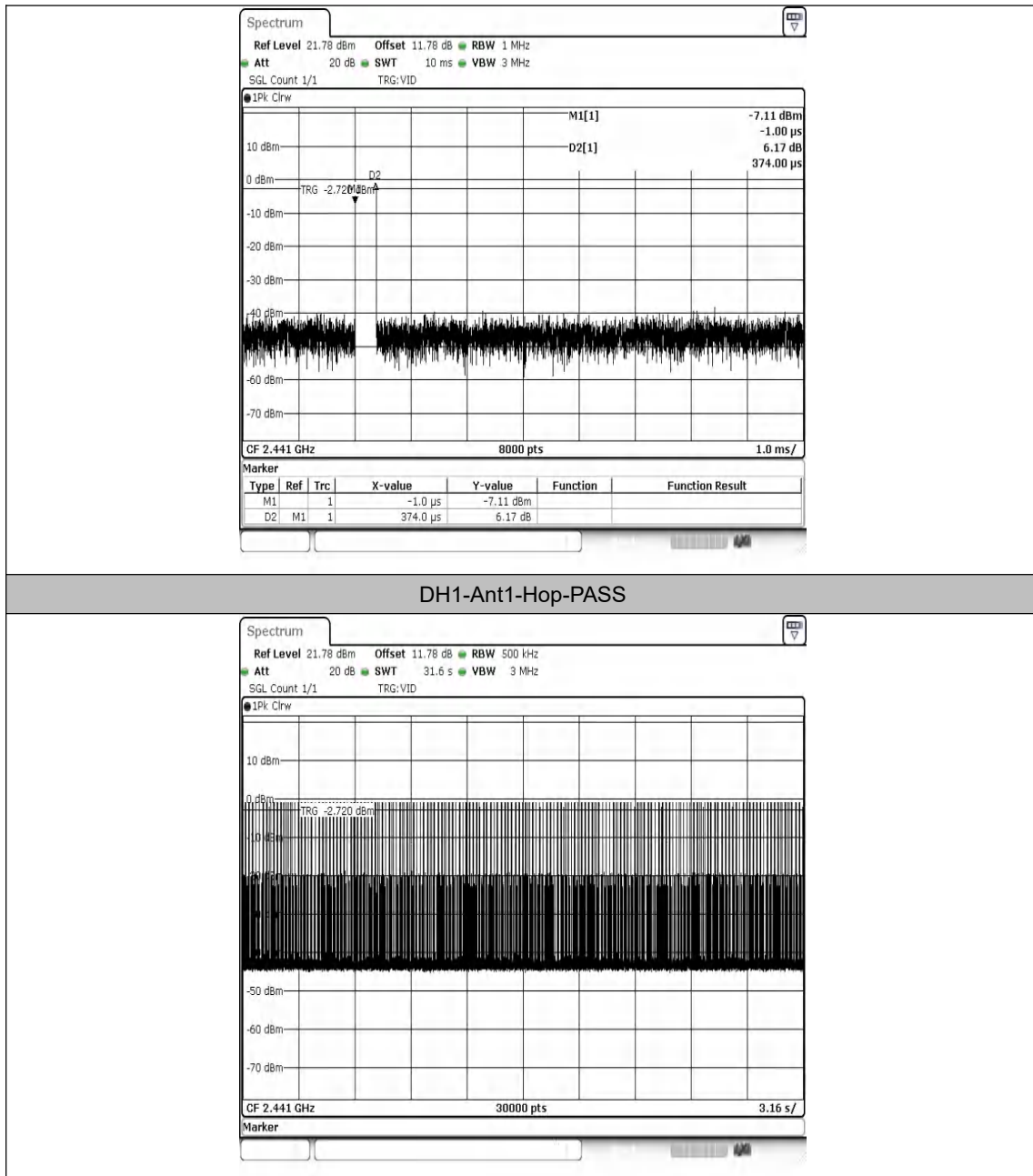
Appendix E: Dwell Time

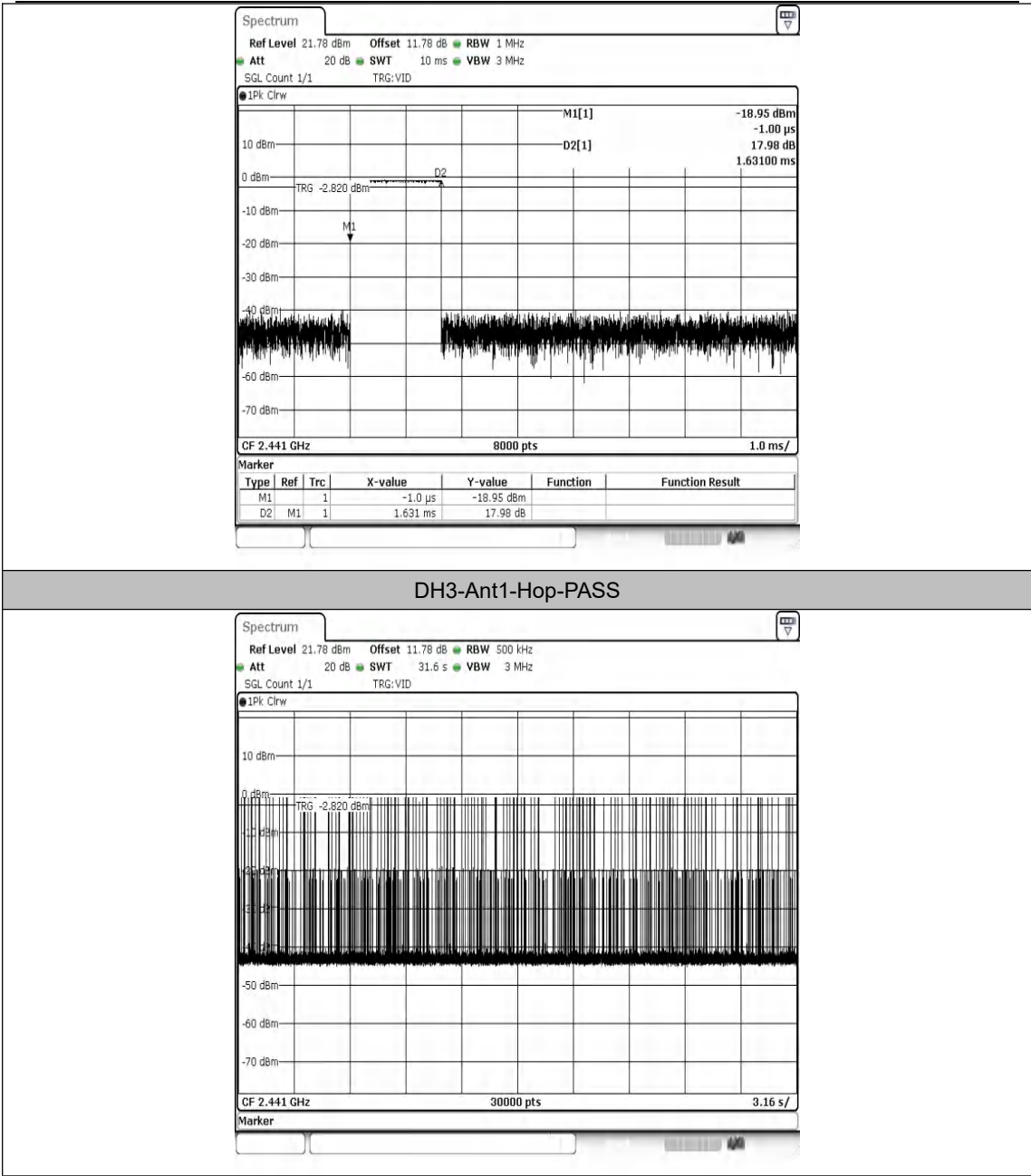
Test Result

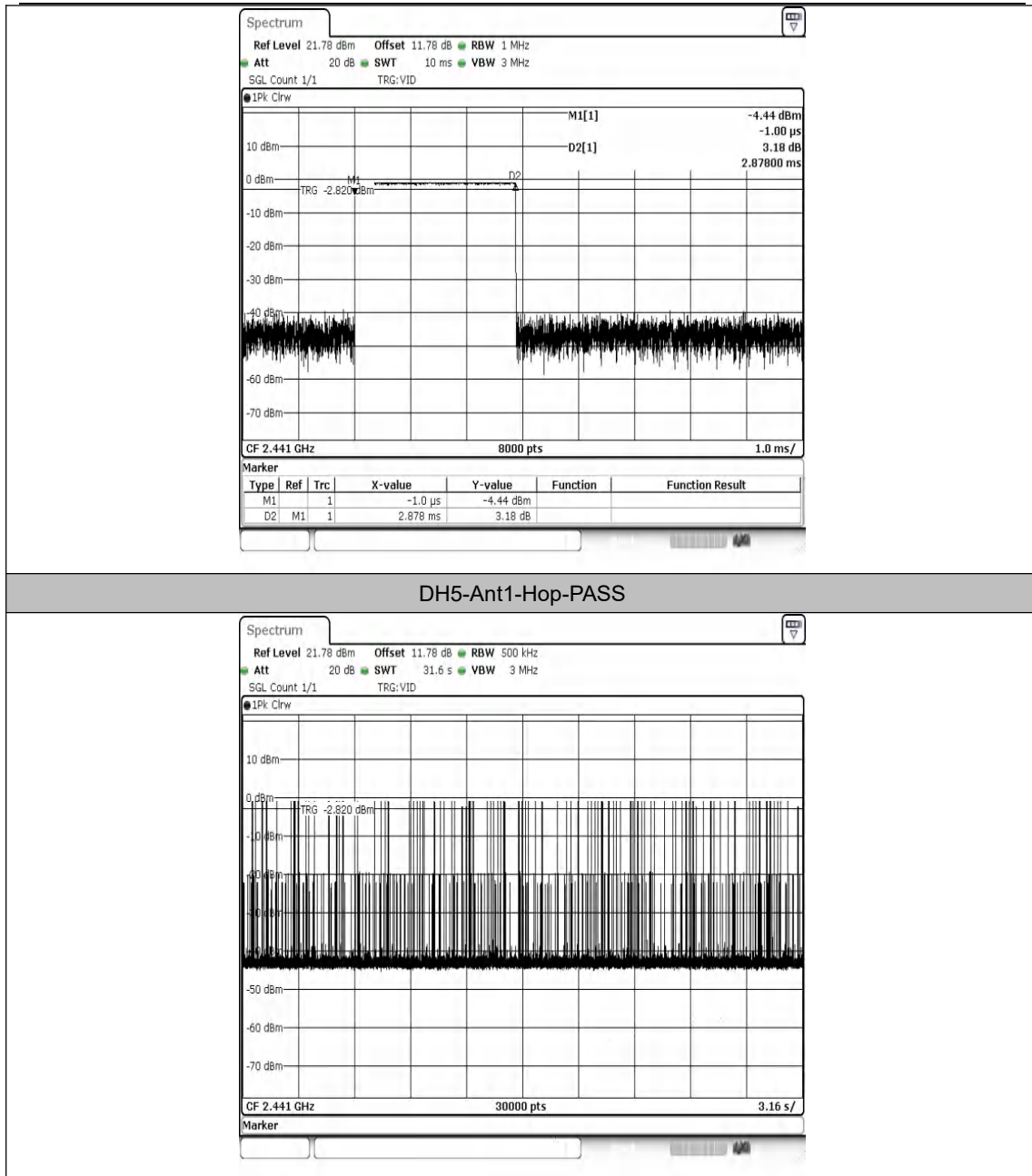
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.374	318	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.631	166	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.878	116	0.334	≤0.4	PASS
2DH1	Ant1	Hop	0.385	318	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.636	155	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.386	318	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	164	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.887	100	0.289	≤0.4	PASS

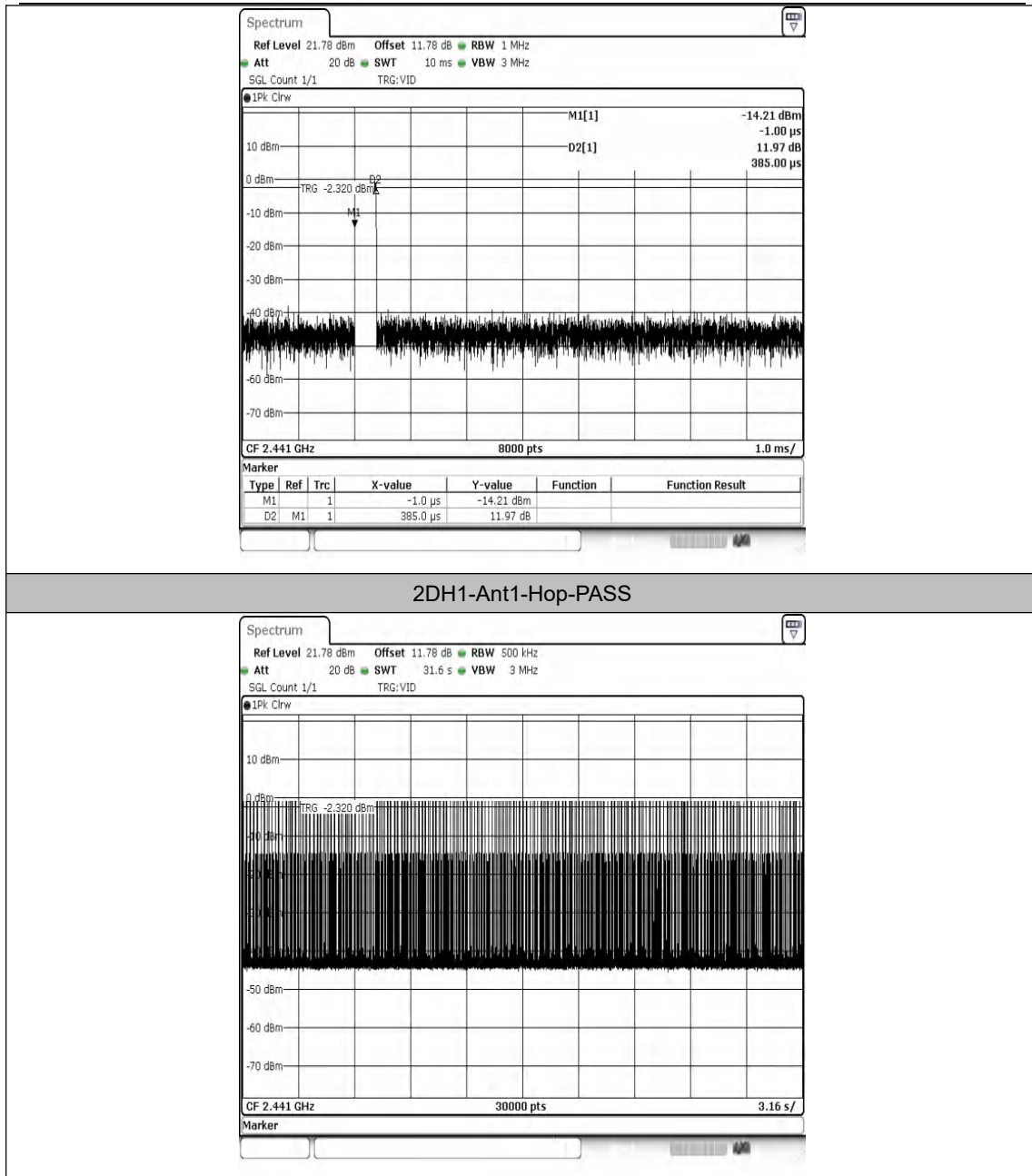


Test Graphs







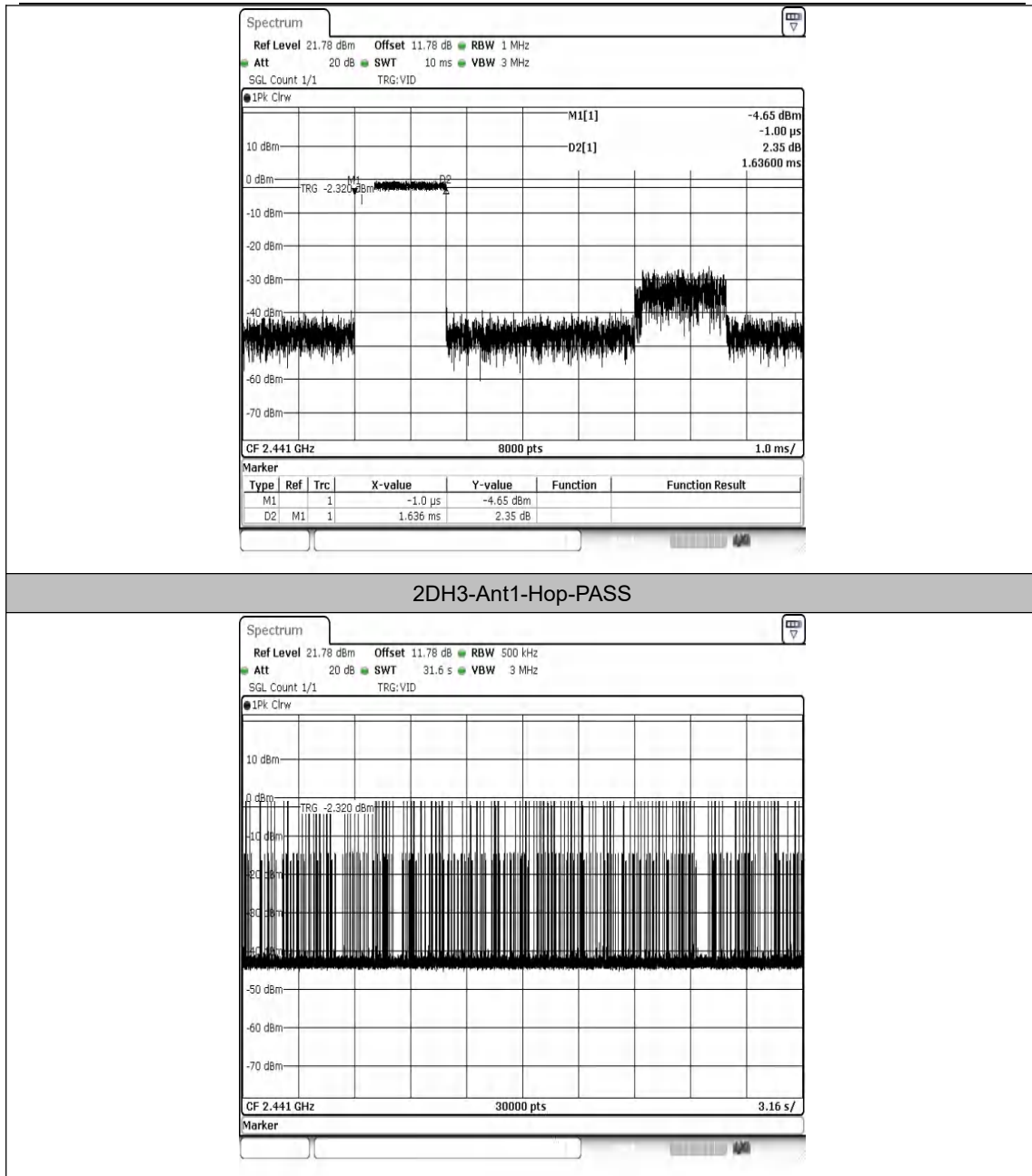


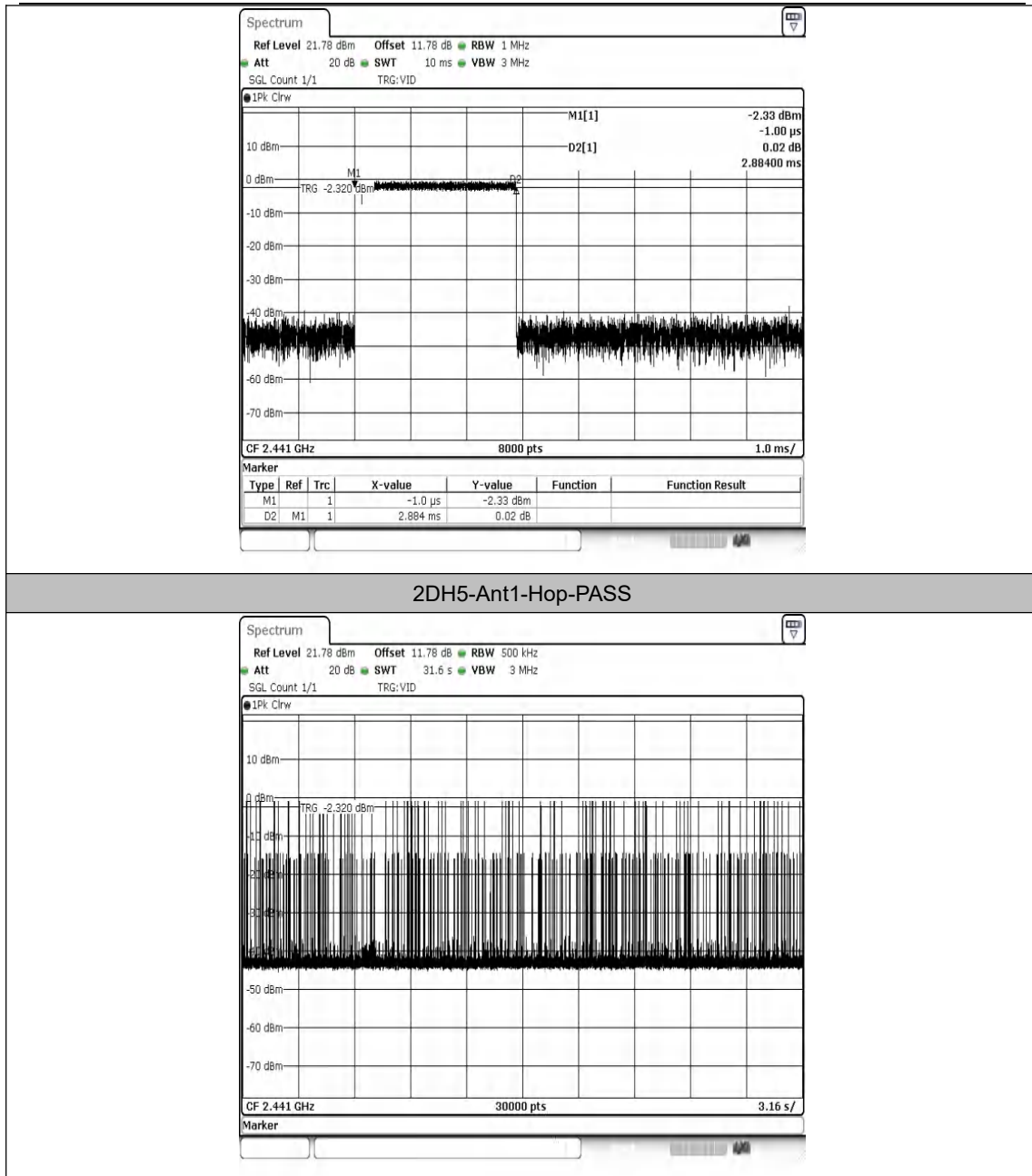
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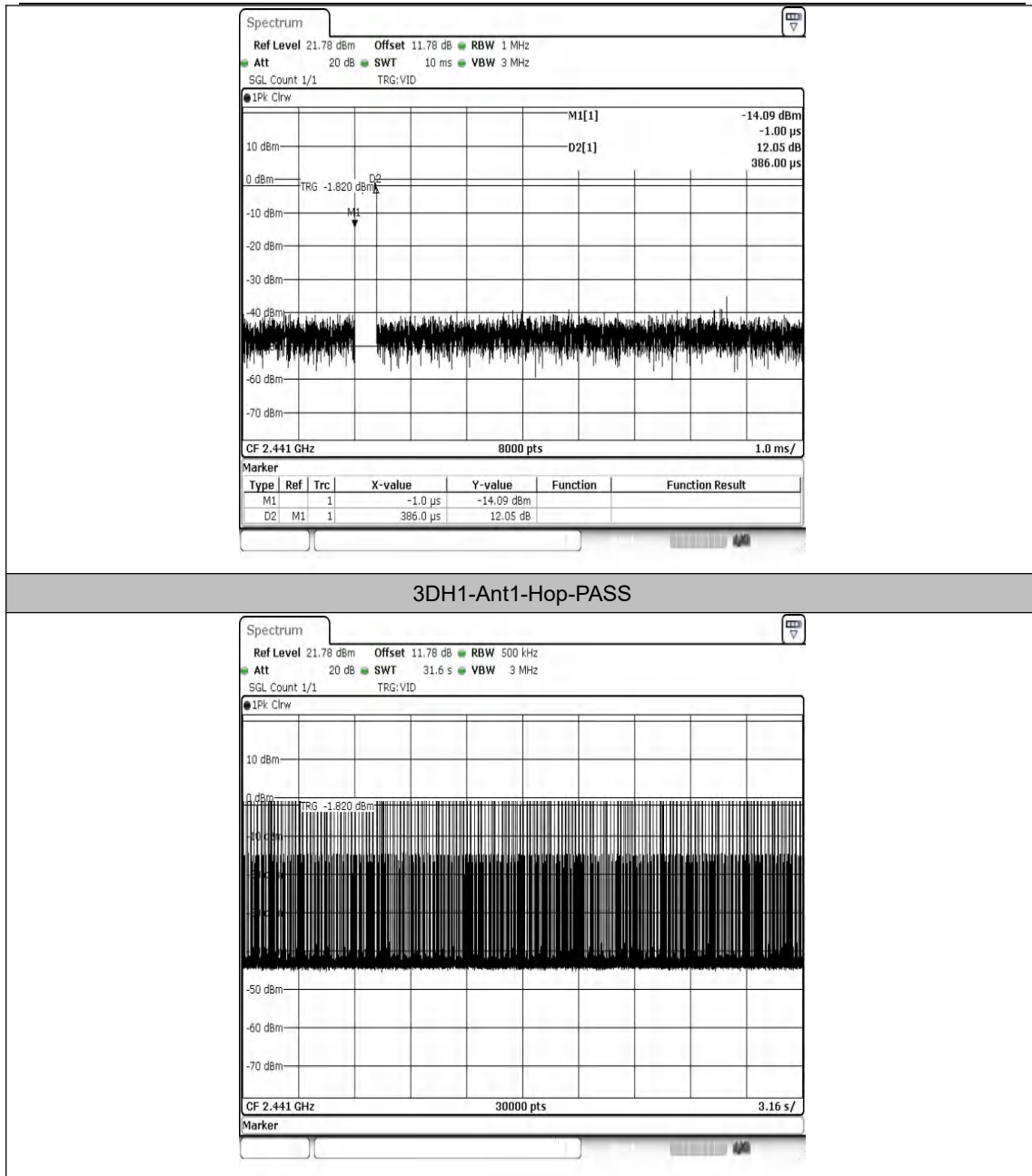


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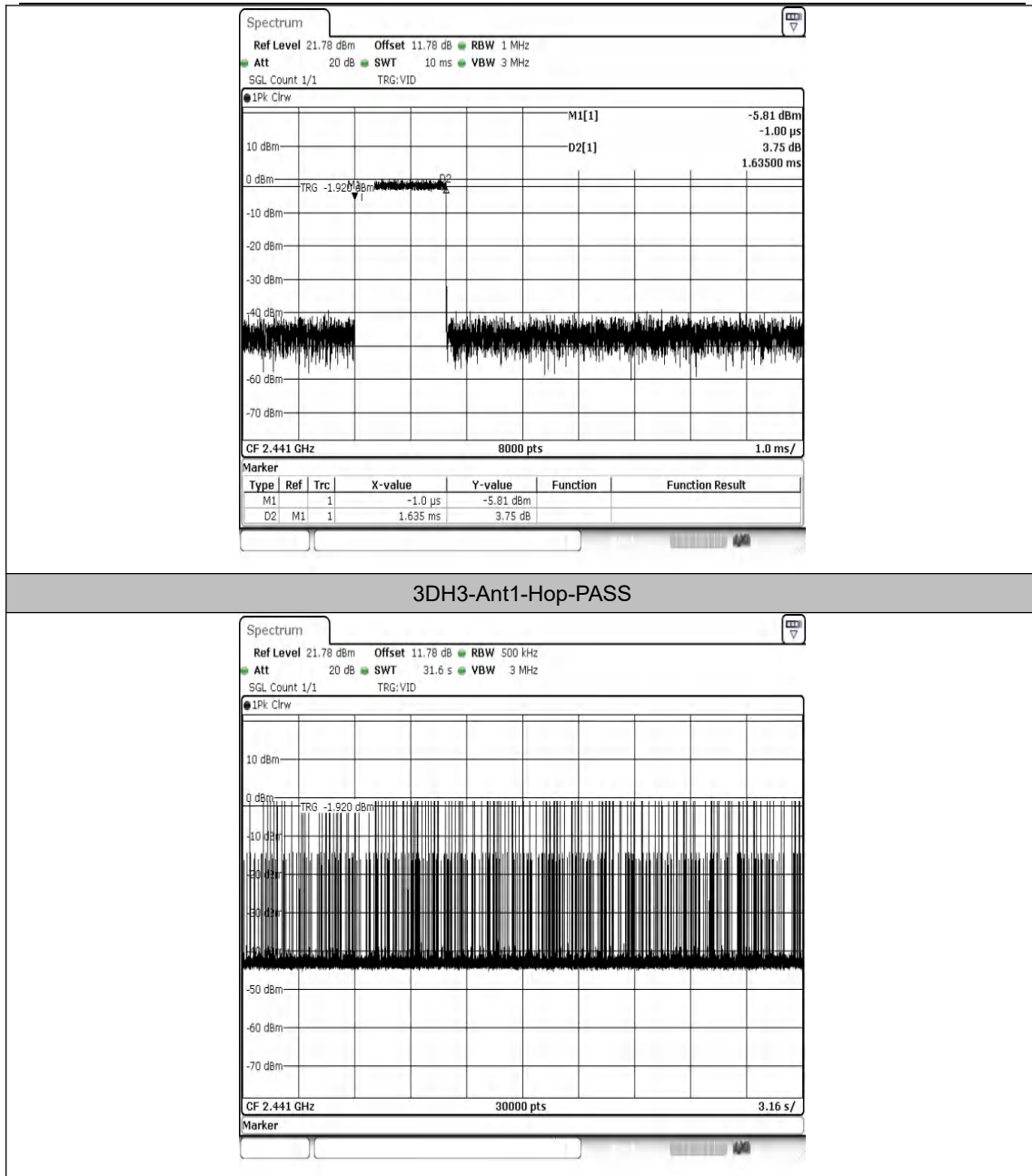
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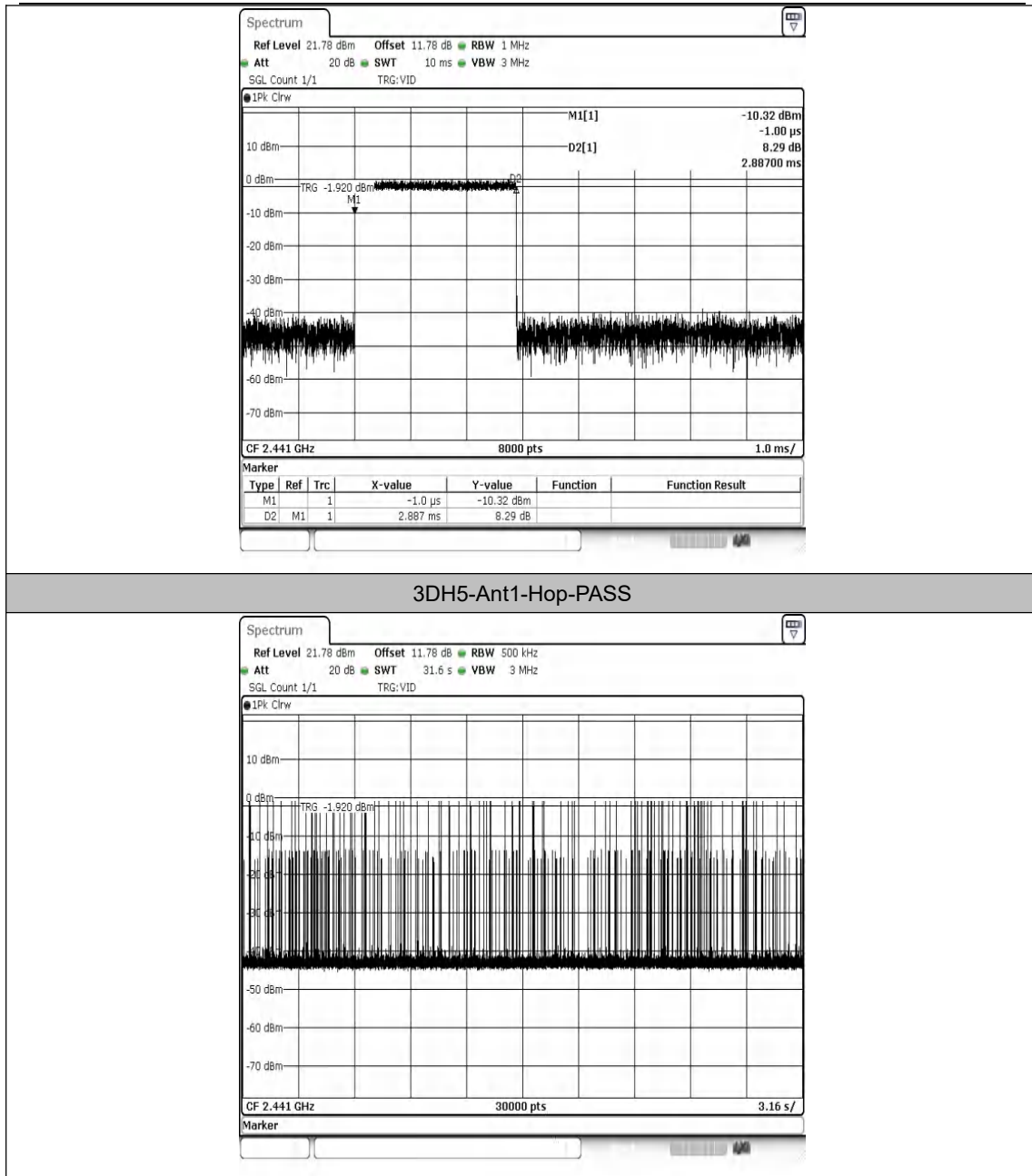


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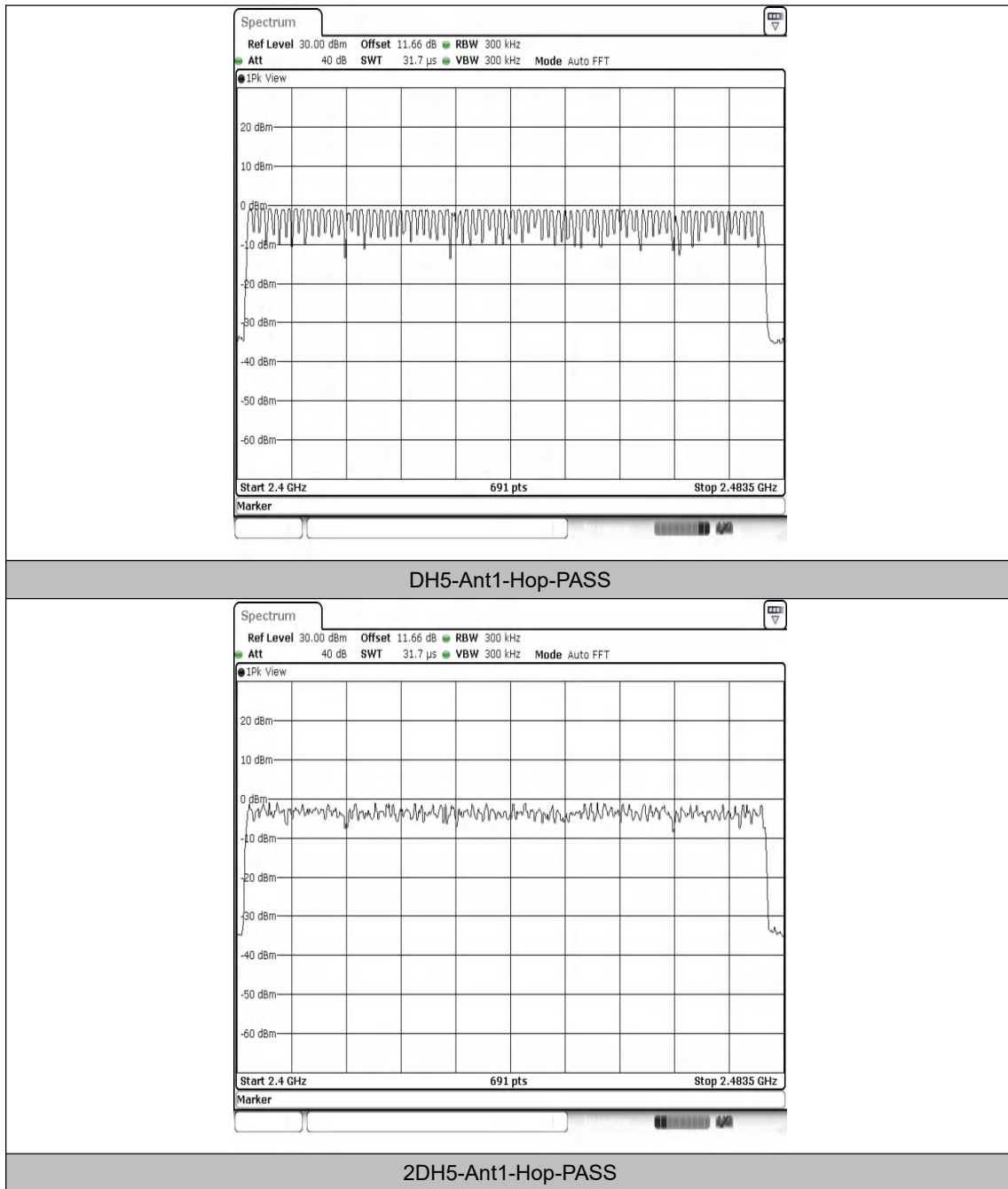
Appendix F: Number of Hopping Channel

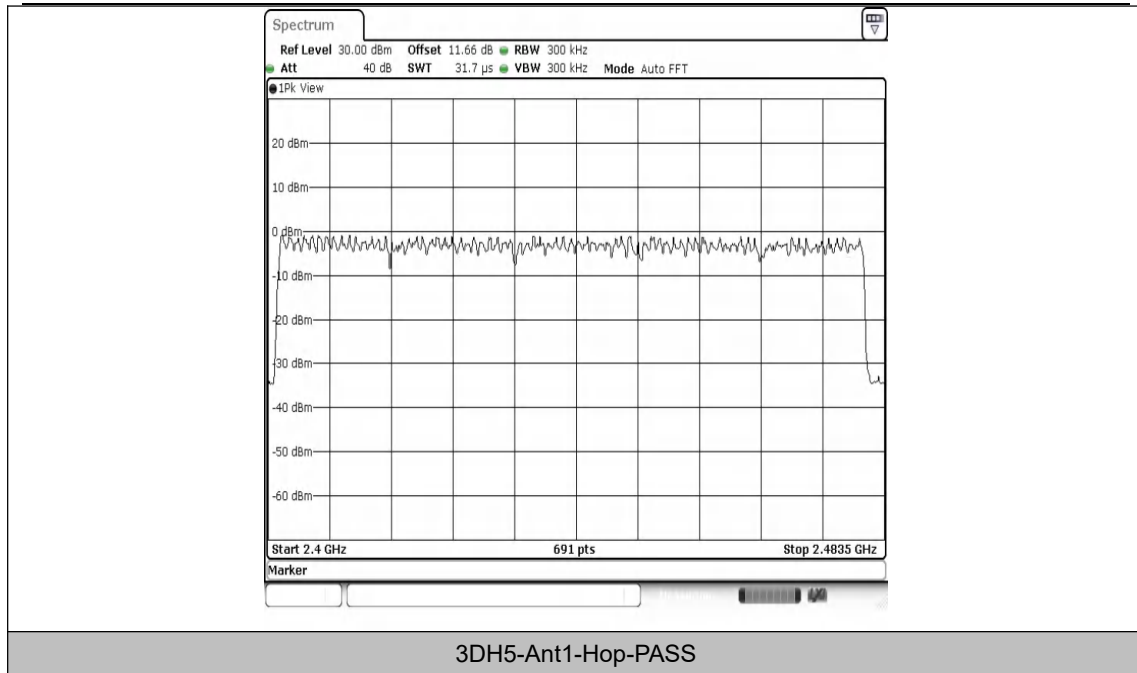
Test Result

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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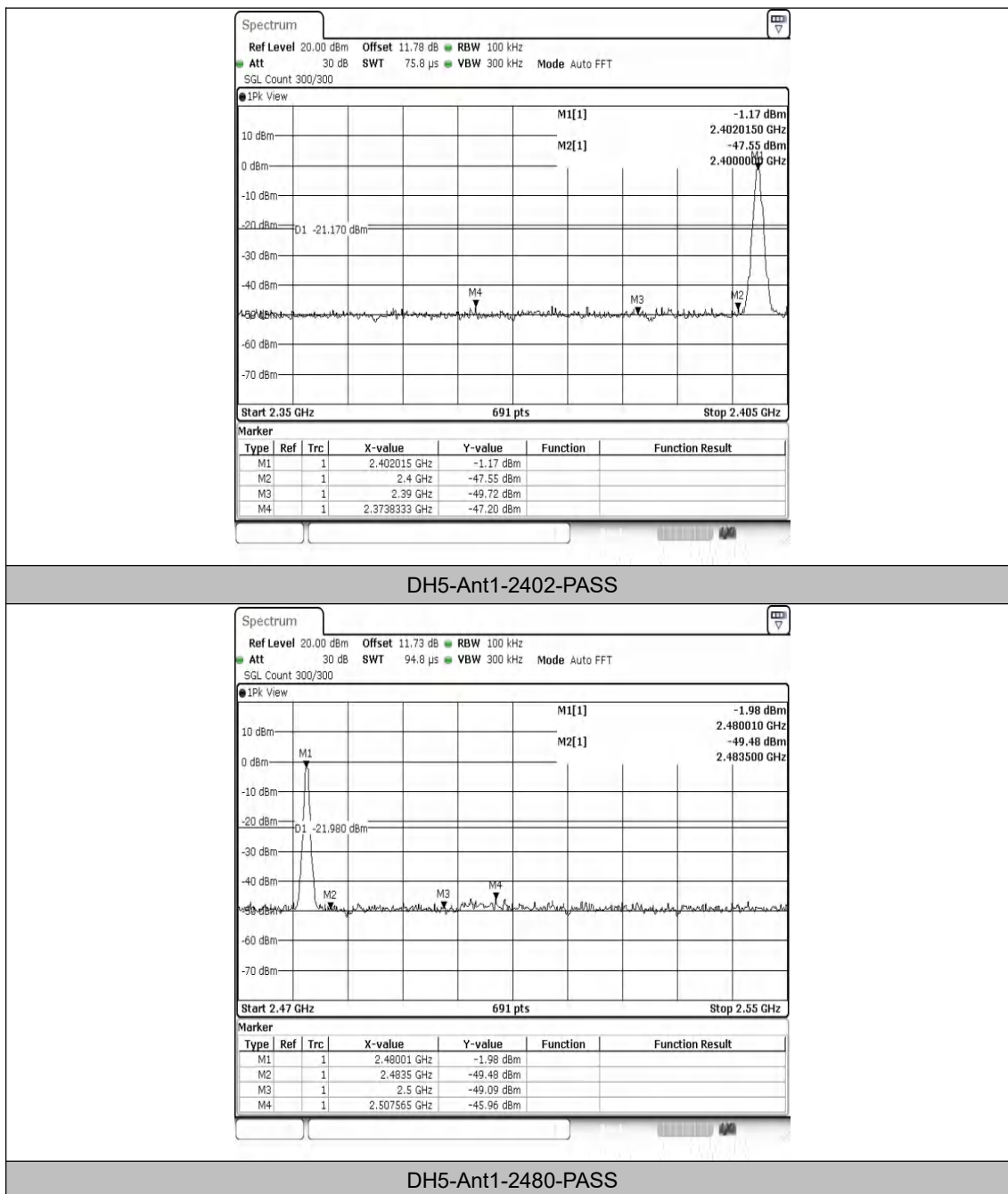
Appendix G: Conducted Band edge

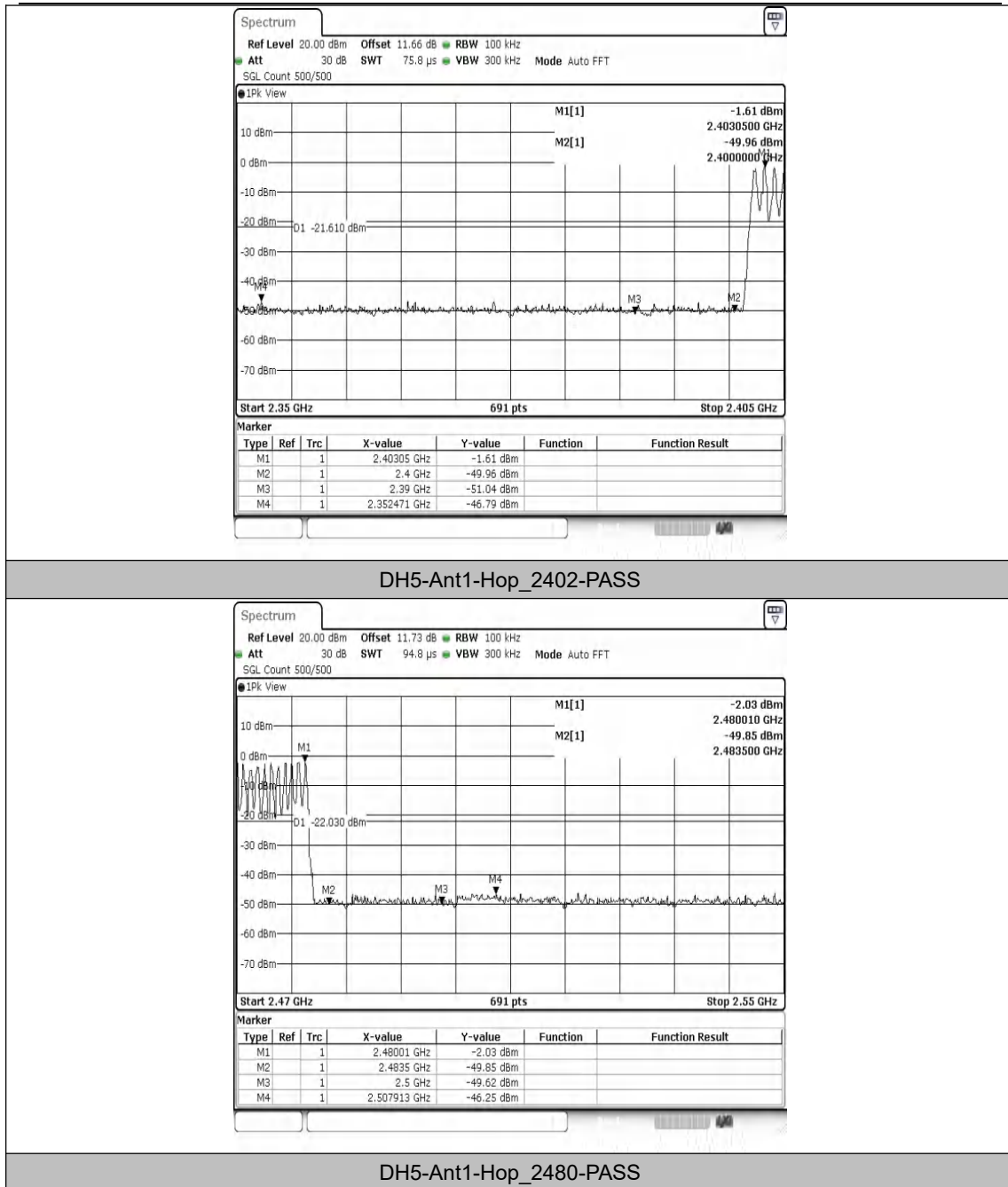
Test Result

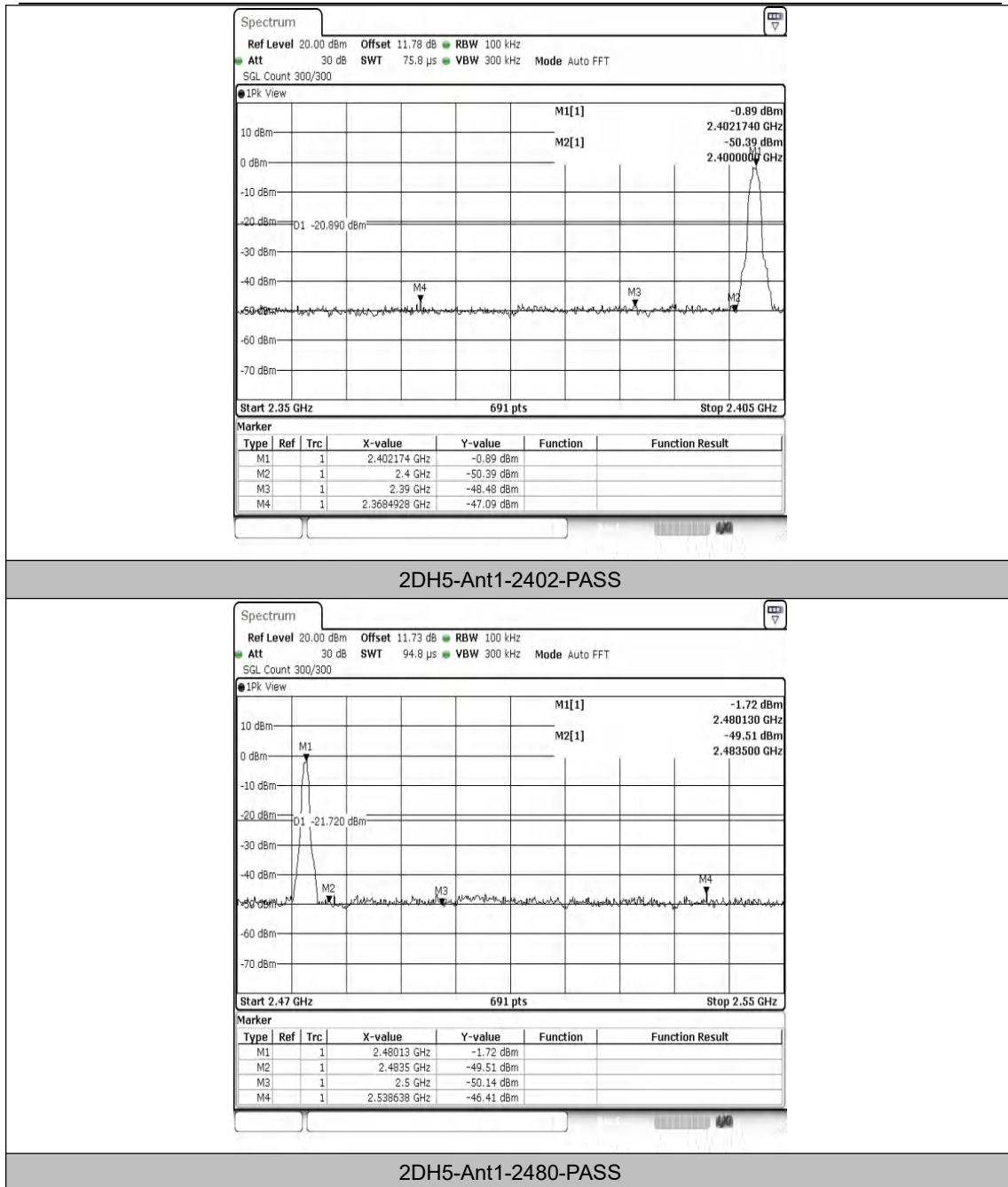
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.17	-47.2	≤ -21.17	PASS
DH5	Ant1	High	2480	-1.98	-45.96	≤ -21.98	PASS
DH5	Ant1	Low	Hop_2402	-1.61	-46.79	≤ -21.61	PASS
DH5	Ant1	High	Hop_2480	-2.03	-46.25	≤ -22.03	PASS
2DH5	Ant1	Low	2402	-0.89	-47.09	≤ -20.89	PASS
2DH5	Ant1	High	2480	-1.72	-46.41	≤ -21.72	PASS
2DH5	Ant1	Low	Hop_2402	-2.89	-47.26	≤ -22.89	PASS
2DH5	Ant1	High	Hop_2480	-5.22	-45.69	≤ -25.22	PASS
3DH5	Ant1	Low	2402	-0.86	-47.32	≤ -20.86	PASS
3DH5	Ant1	High	2480	-1.68	-46.45	≤ -21.68	PASS
3DH5	Ant1	Low	Hop_2402	-4.39	-47.17	≤ -24.39	PASS
3DH5	Ant1	High	Hop_2480	-2.19	-46.01	≤ -22.19	PASS

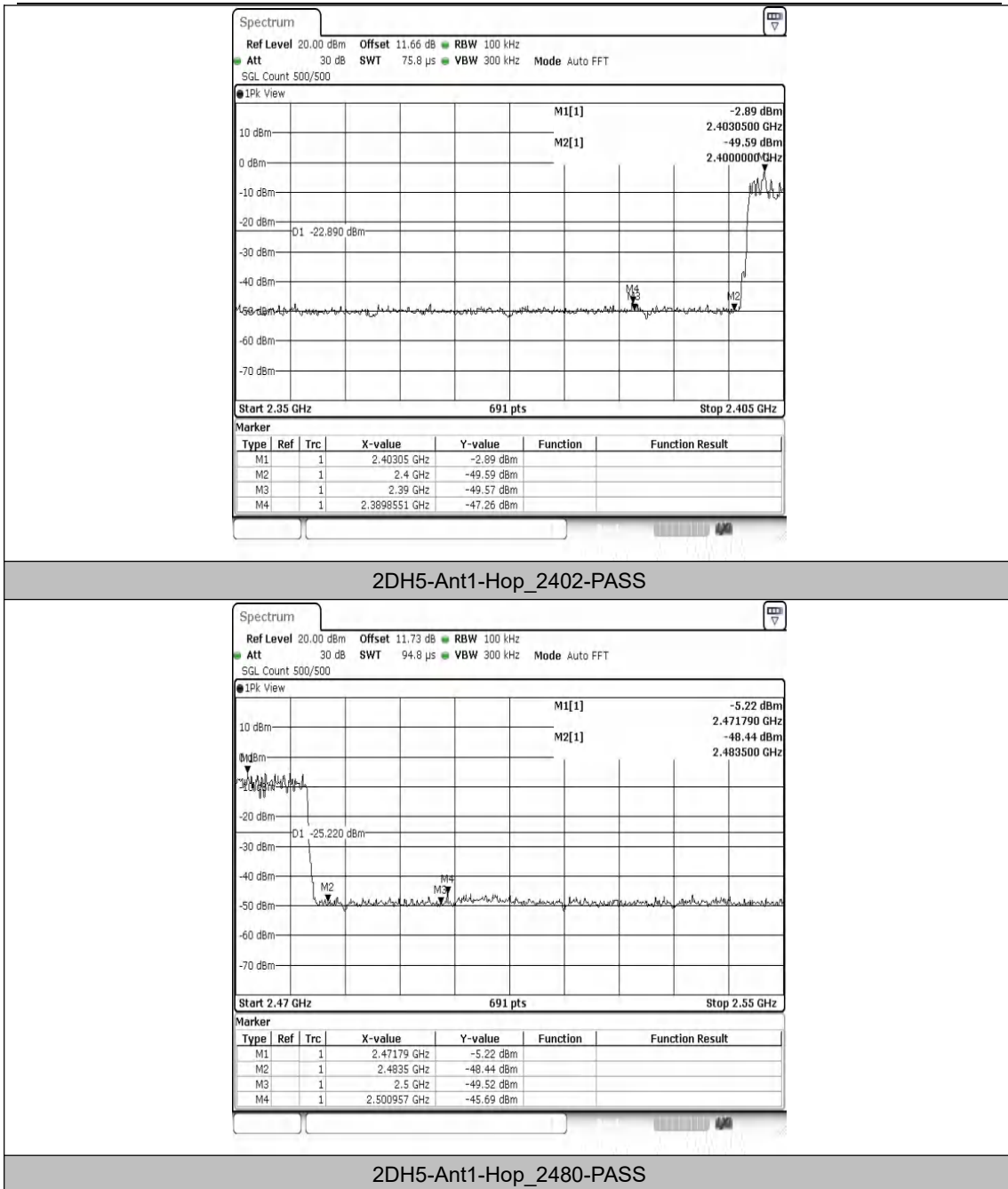


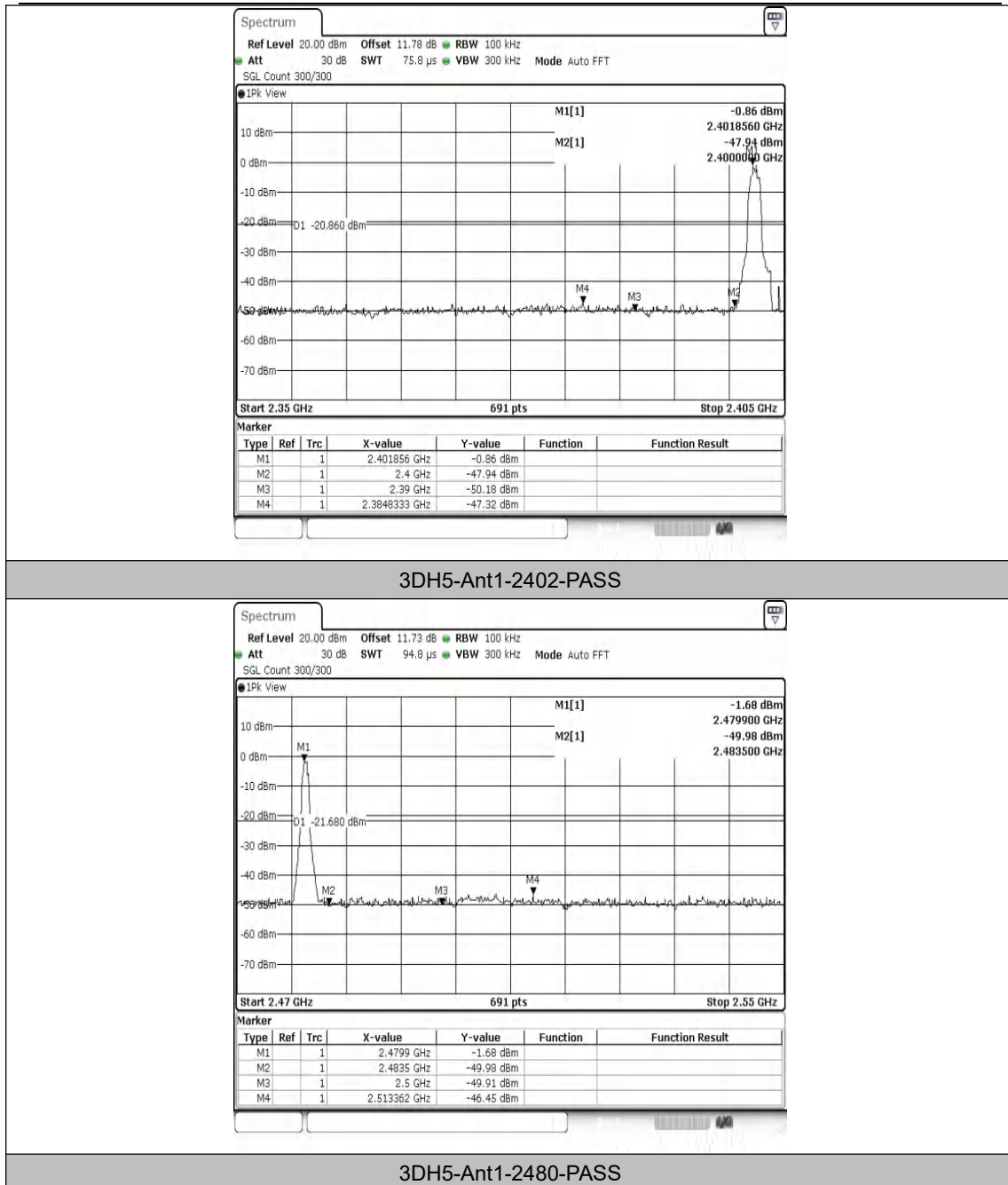
Test Graphs

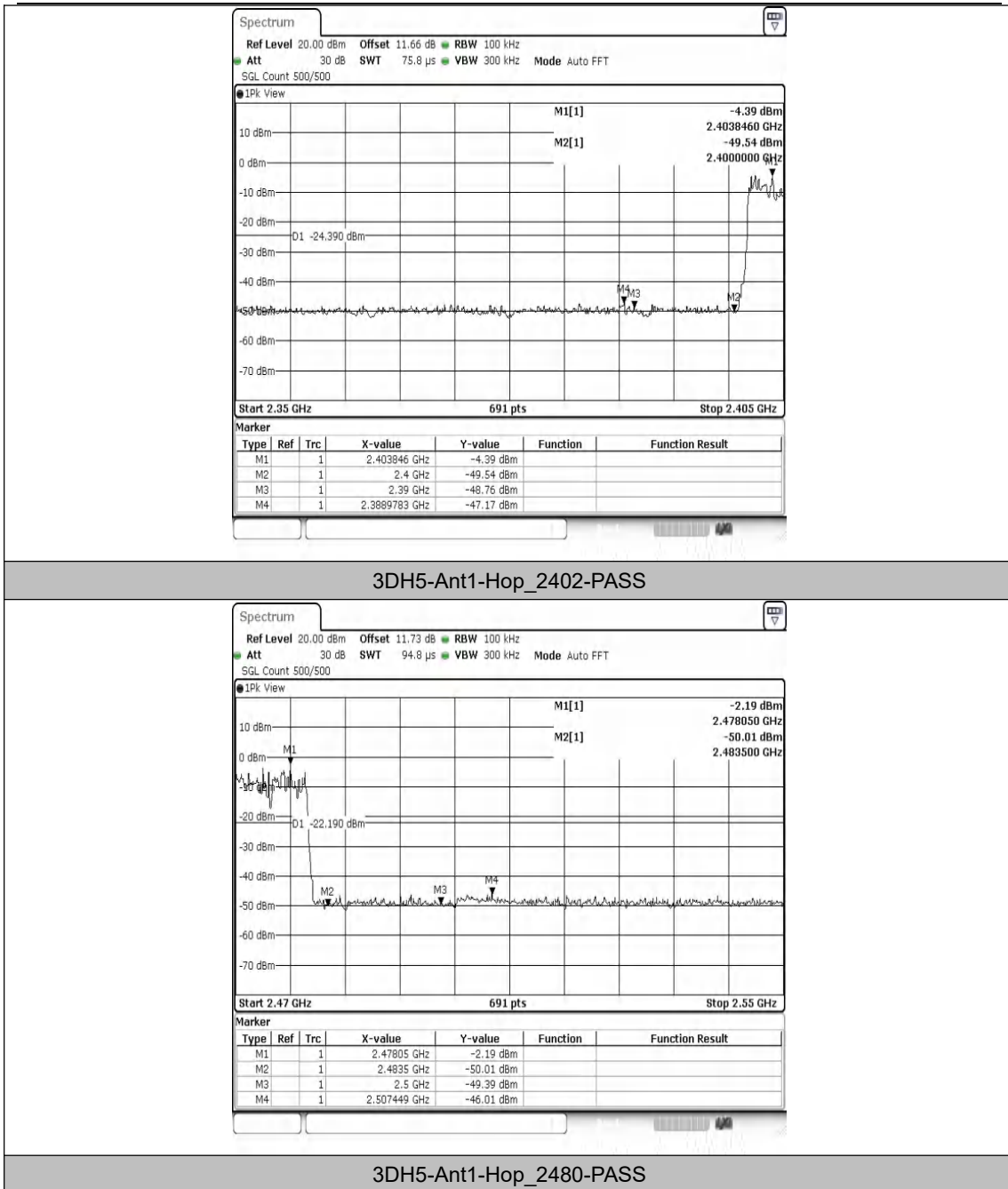












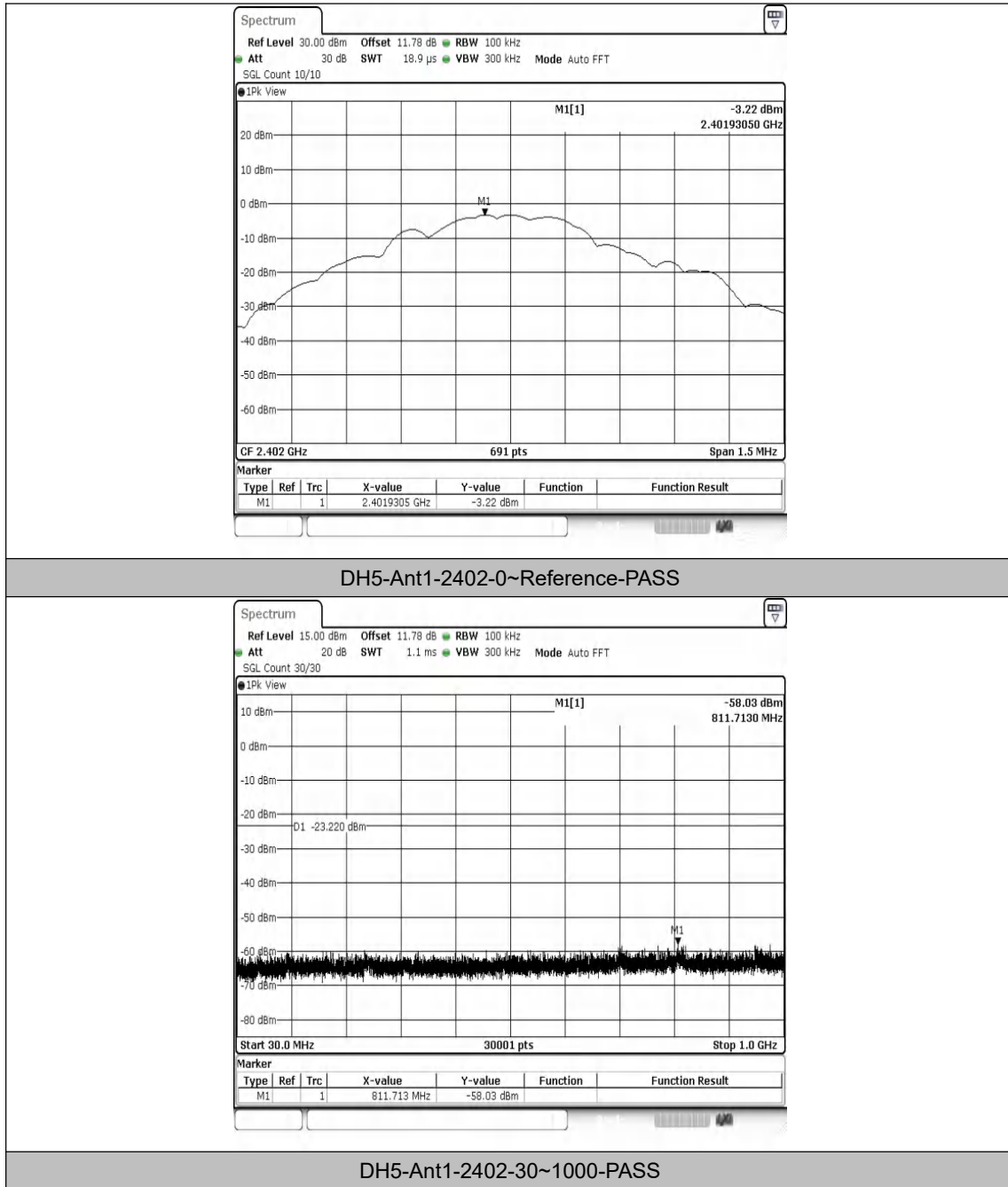
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.22	-3.22	---	PASS
DH5	Ant1	2402	30~1000	-3.22	-58.03	≤-23.22	PASS
DH5	Ant1	2402	1000~26500	-3.22	-43.15	≤-23.22	PASS
DH5	Ant1	2441	0~Reference	-3.21	-3.21	---	PASS
DH5	Ant1	2441	30~1000	-3.21	-58.18	≤-23.21	PASS
DH5	Ant1	2441	1000~26500	-3.21	-43.37	≤-23.21	PASS
DH5	Ant1	2480	0~Reference	-1.94	-1.94	---	PASS
DH5	Ant1	2480	30~1000	-1.94	-44.41	≤-21.94	PASS
DH5	Ant1	2480	1000~26500	-1.94	-39.52	≤-21.94	PASS
2DH5	Ant1	2402	0~Reference	-5.04	-5.04	---	PASS
2DH5	Ant1	2402	30~1000	-5.04	-57.74	≤-25.04	PASS
2DH5	Ant1	2402	1000~26500	-5.04	-43.69	≤-25.04	PASS
2DH5	Ant1	2441	0~Reference	-3.03	-3.03	---	PASS
2DH5	Ant1	2441	30~1000	-3.03	-57.31	≤-23.03	PASS
2DH5	Ant1	2441	1000~26500	-3.03	-39.81	≤-23.03	PASS
2DH5	Ant1	2480	0~Reference	-5.91	-5.91	---	PASS
2DH5	Ant1	2480	30~1000	-5.91	-38.48	≤-25.91	PASS
2DH5	Ant1	2480	1000~26500	-5.91	-44.04	≤-25.91	PASS
3DH5	Ant1	2402	0~Reference	-5.61	-5.61	---	PASS
3DH5	Ant1	2402	30~1000	-5.61	-57.79	≤-25.61	PASS
3DH5	Ant1	2402	1000~26500	-5.61	-38.33	≤-25.61	PASS
3DH5	Ant1	2441	0~Reference	-4.78	-4.78	---	PASS
3DH5	Ant1	2441	30~1000	-4.78	-57.98	≤-24.78	PASS
3DH5	Ant1	2441	1000~26500	-4.78	-38.15	≤-24.78	PASS
3DH5	Ant1	2480	0~Reference	-5.43	-5.43	---	PASS
3DH5	Ant1	2480	30~1000	-5.43	-58.67	≤-25.43	PASS
3DH5	Ant1	2480	1000~26500	-5.43	-44.15	≤-25.43	PASS



Test Graphs



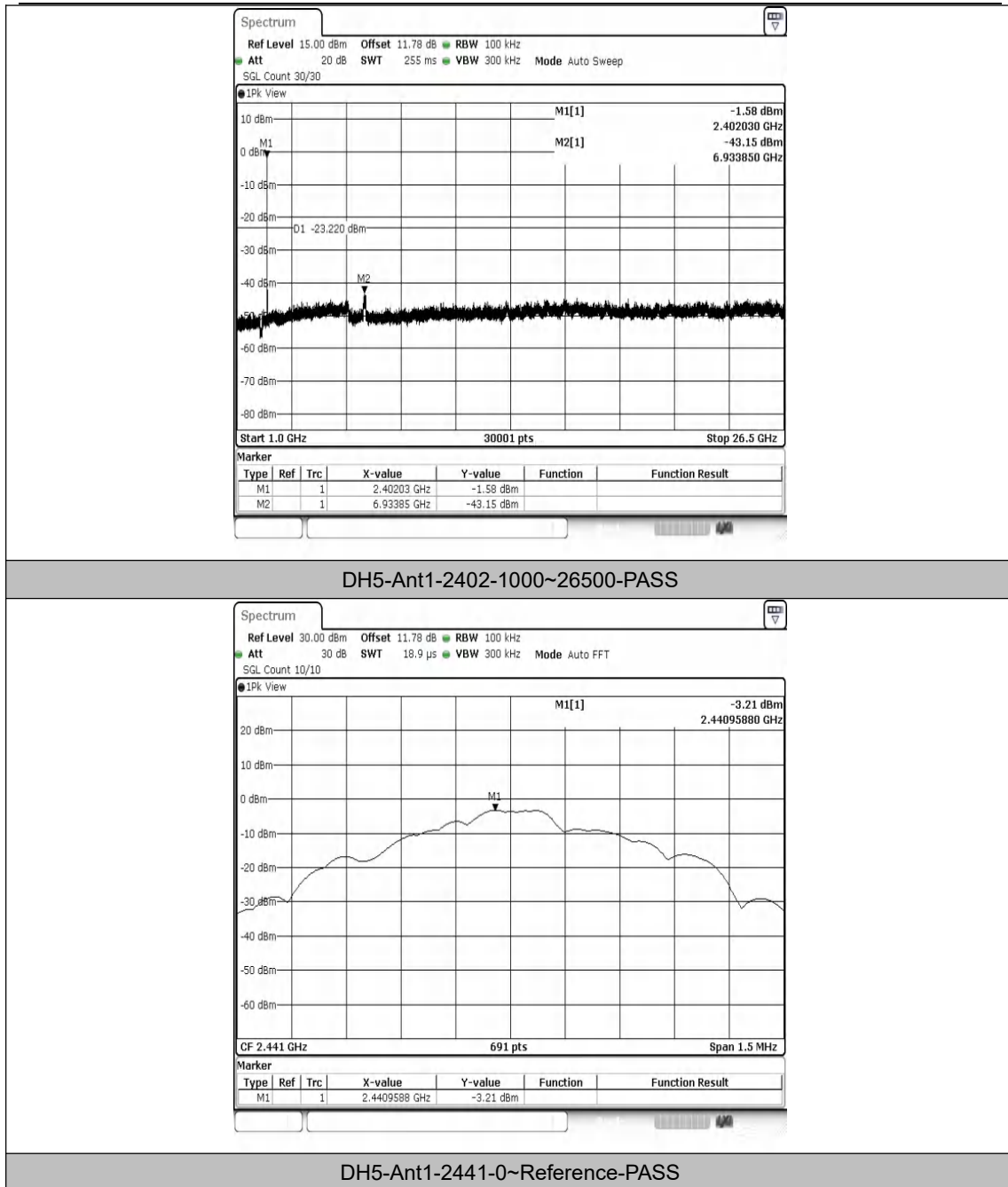
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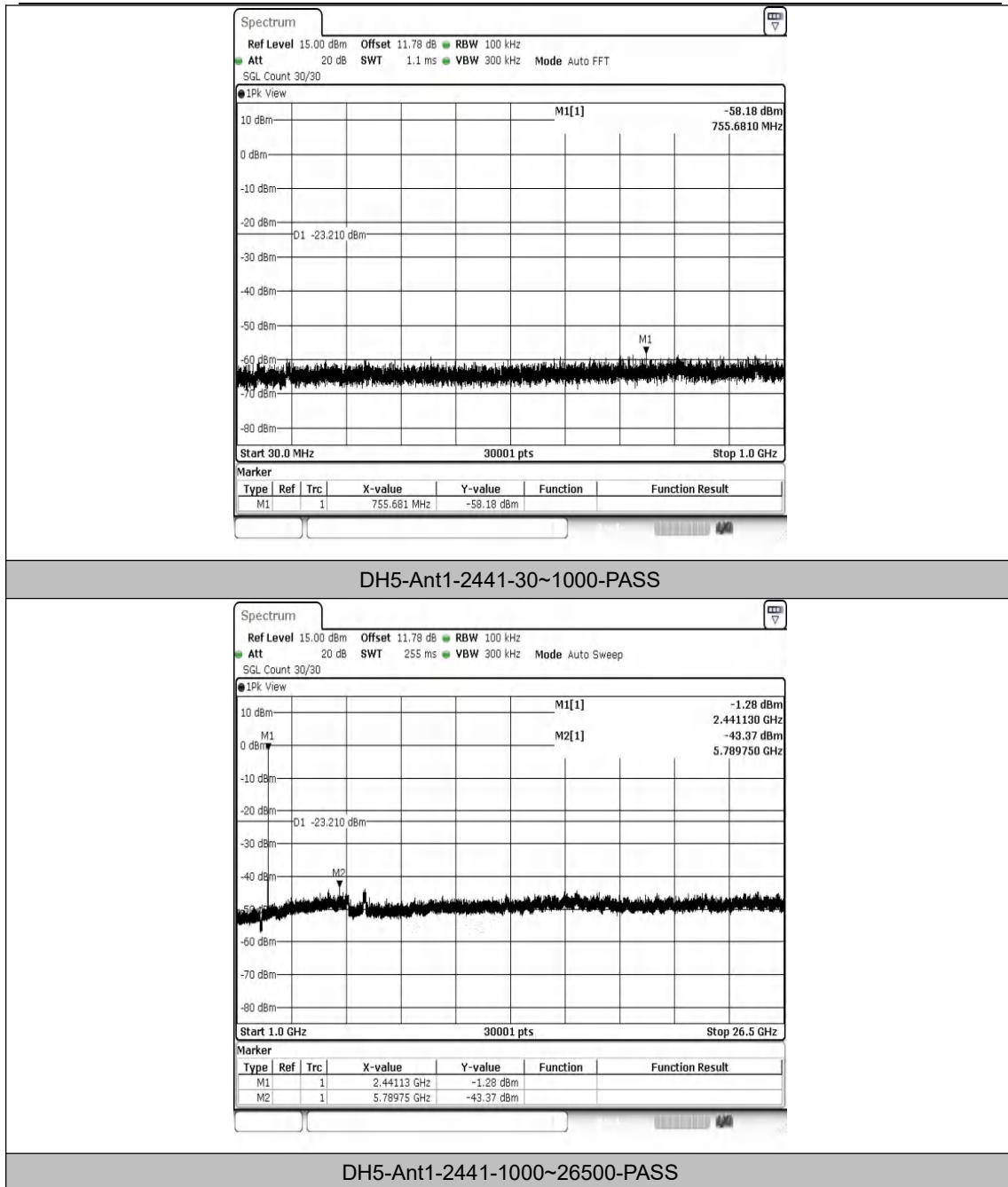
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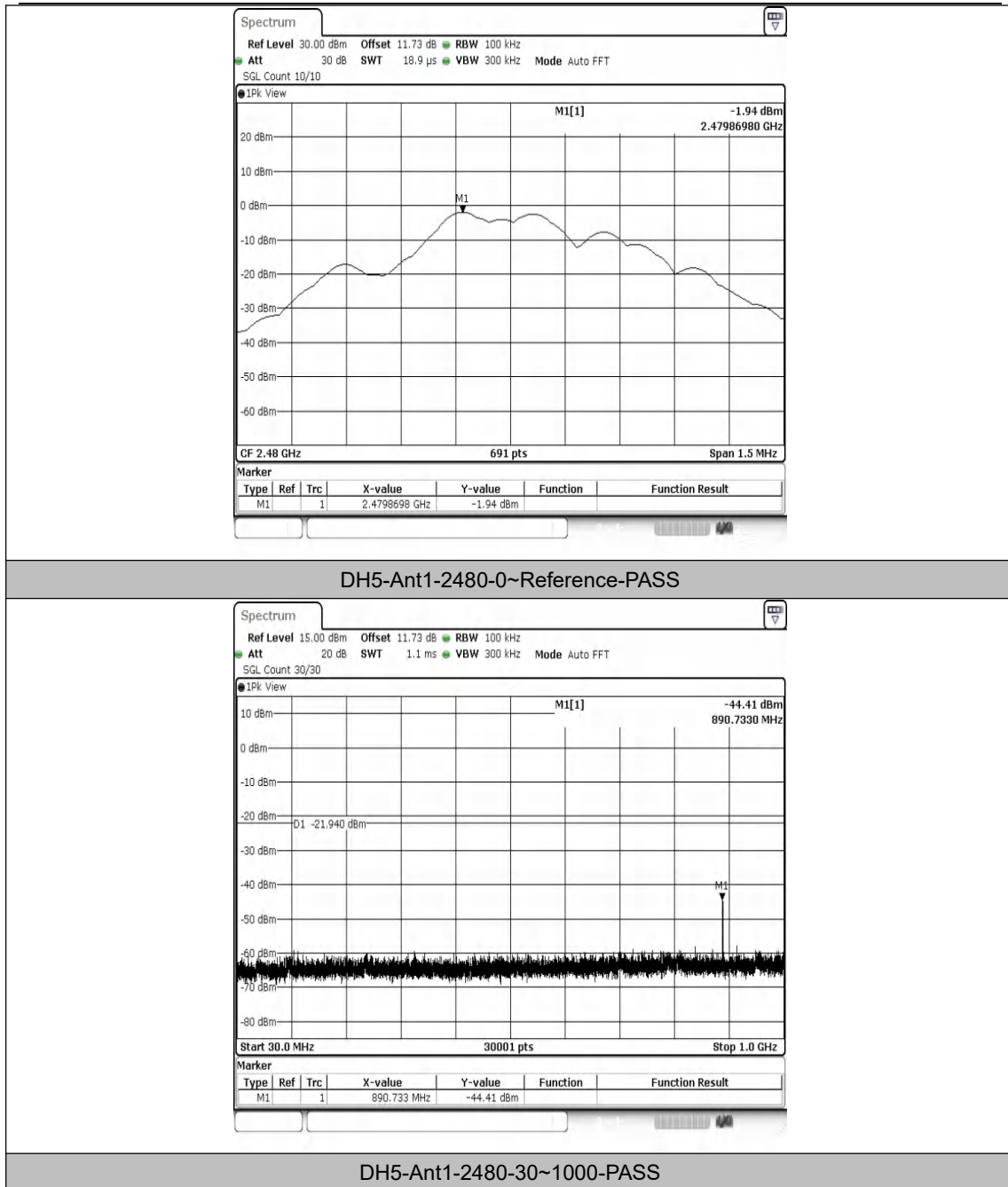


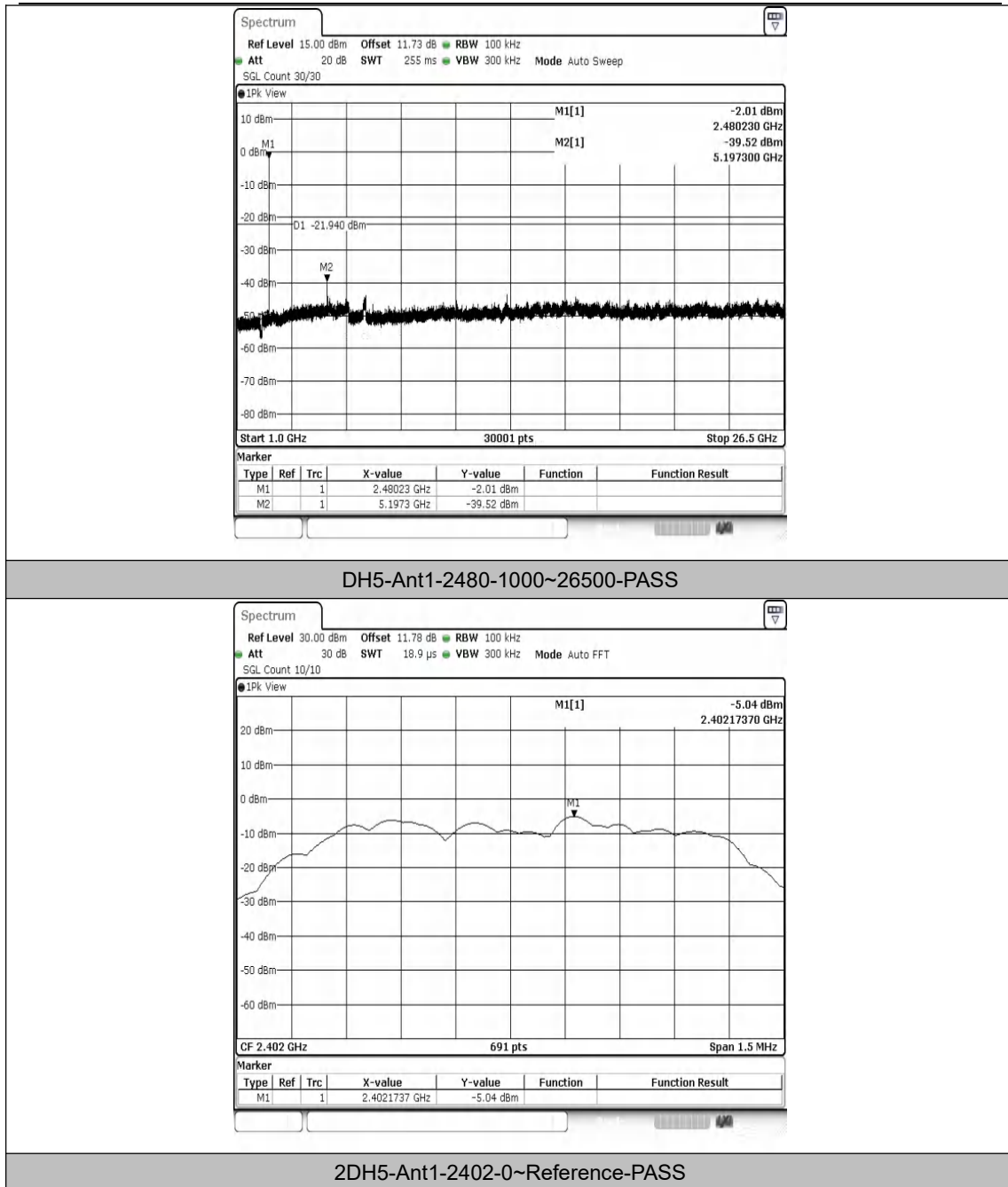
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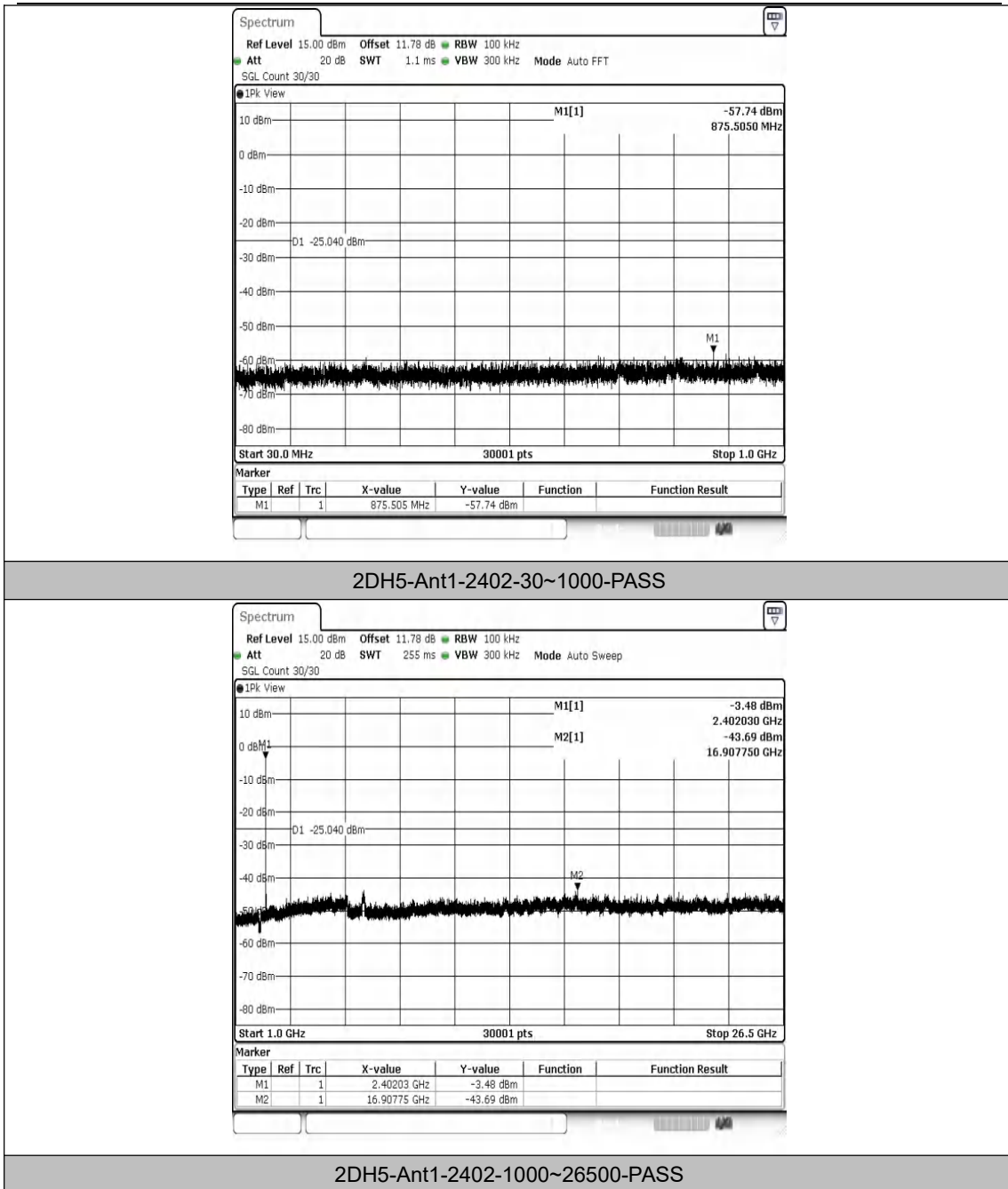


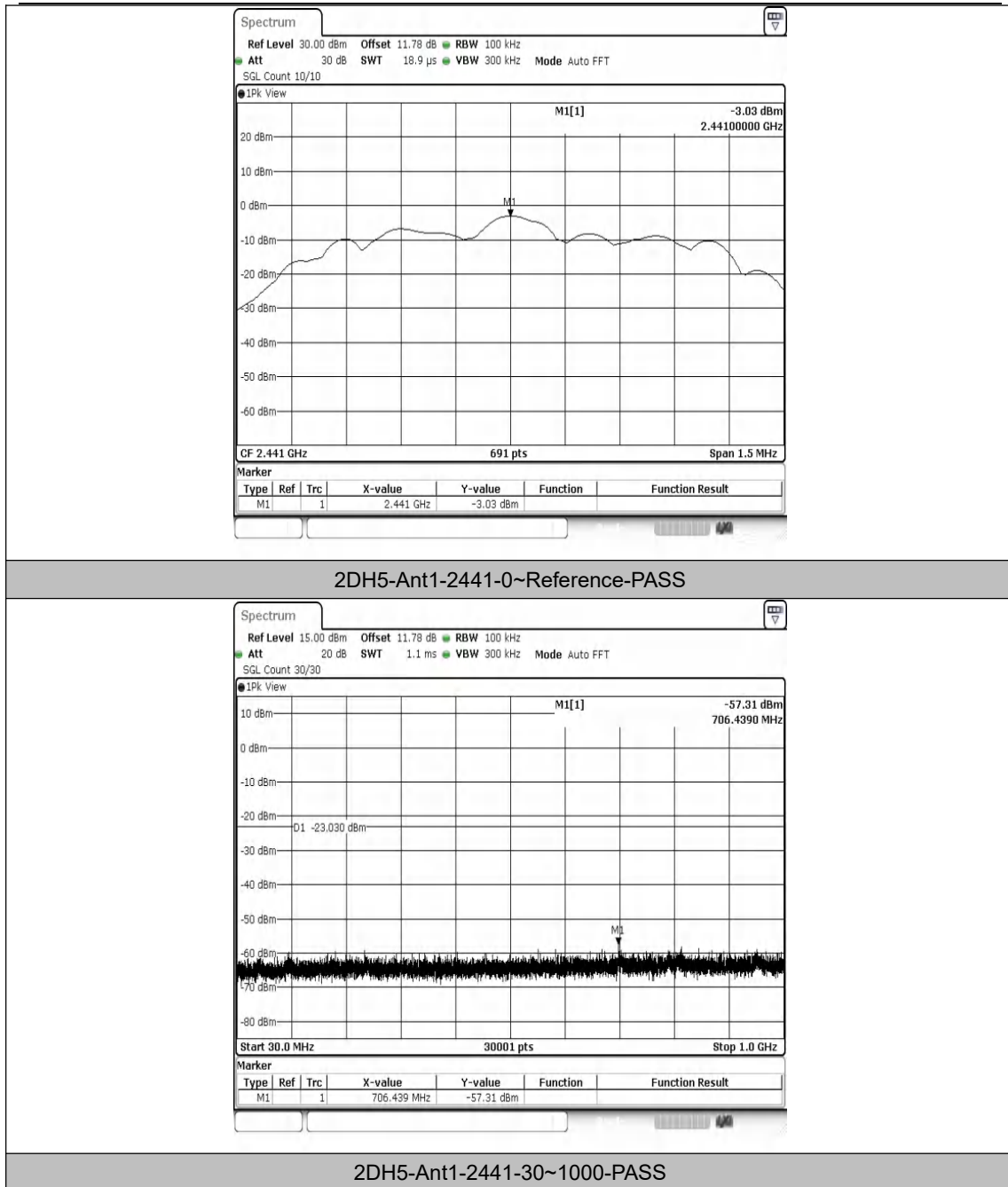


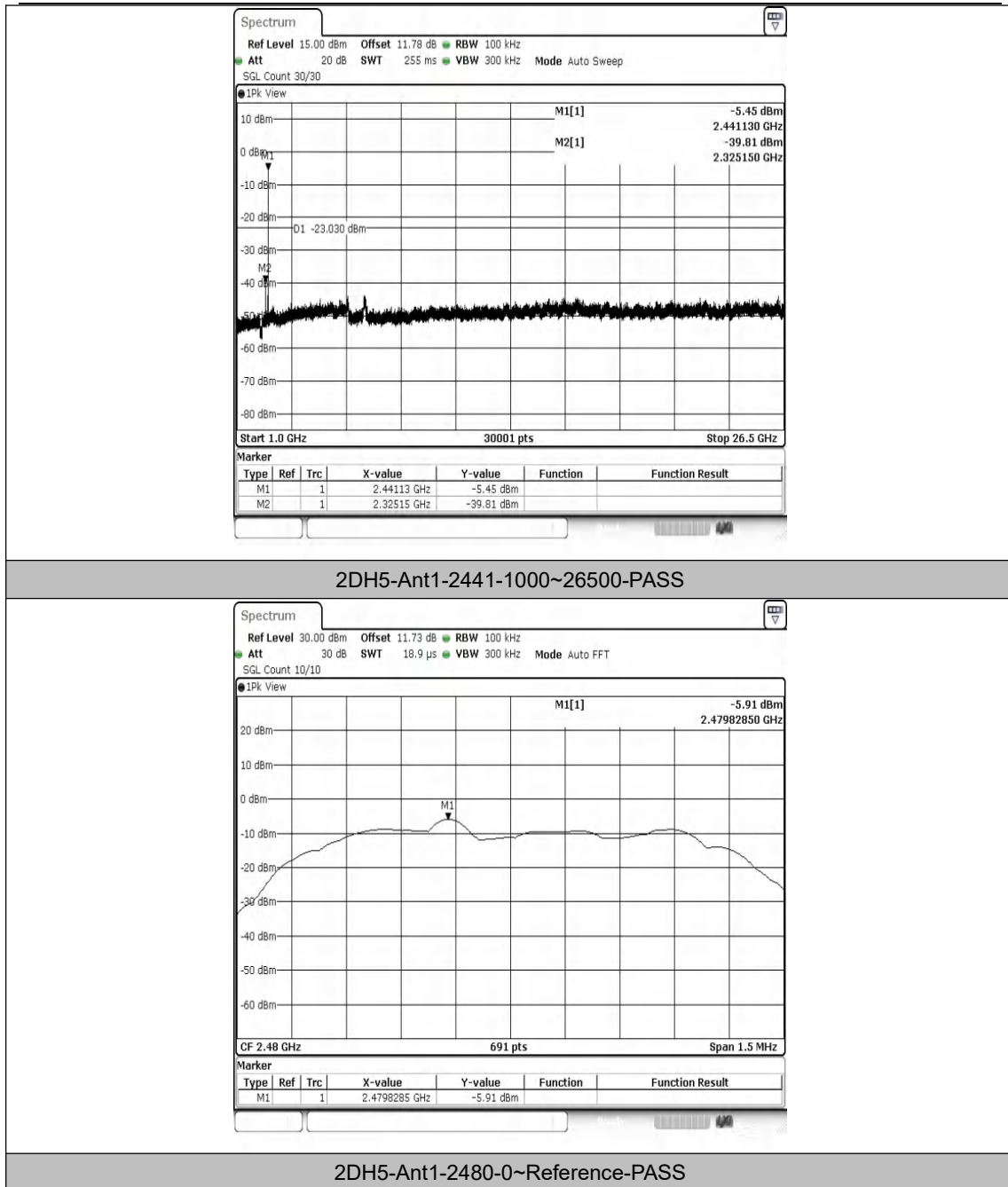


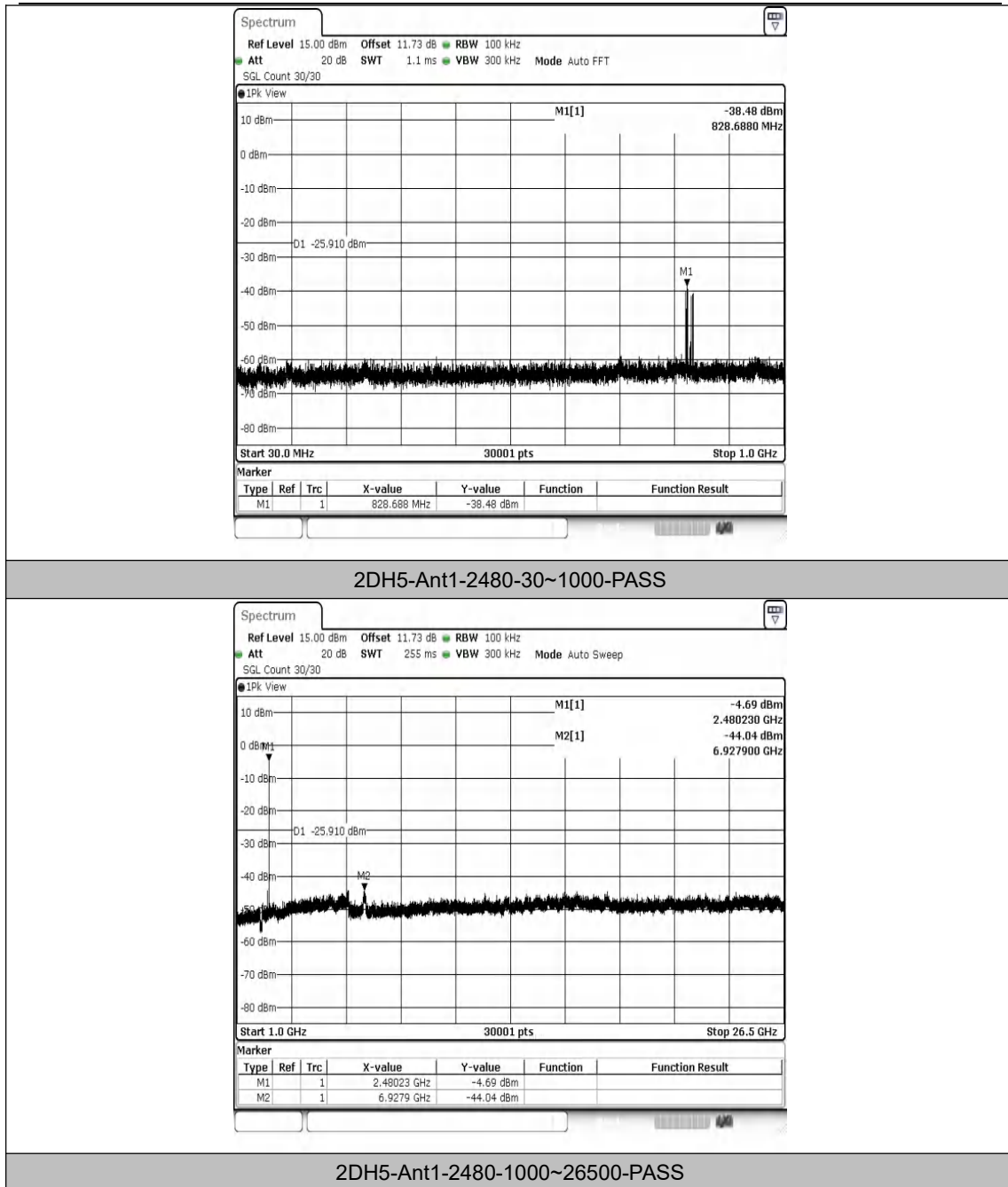


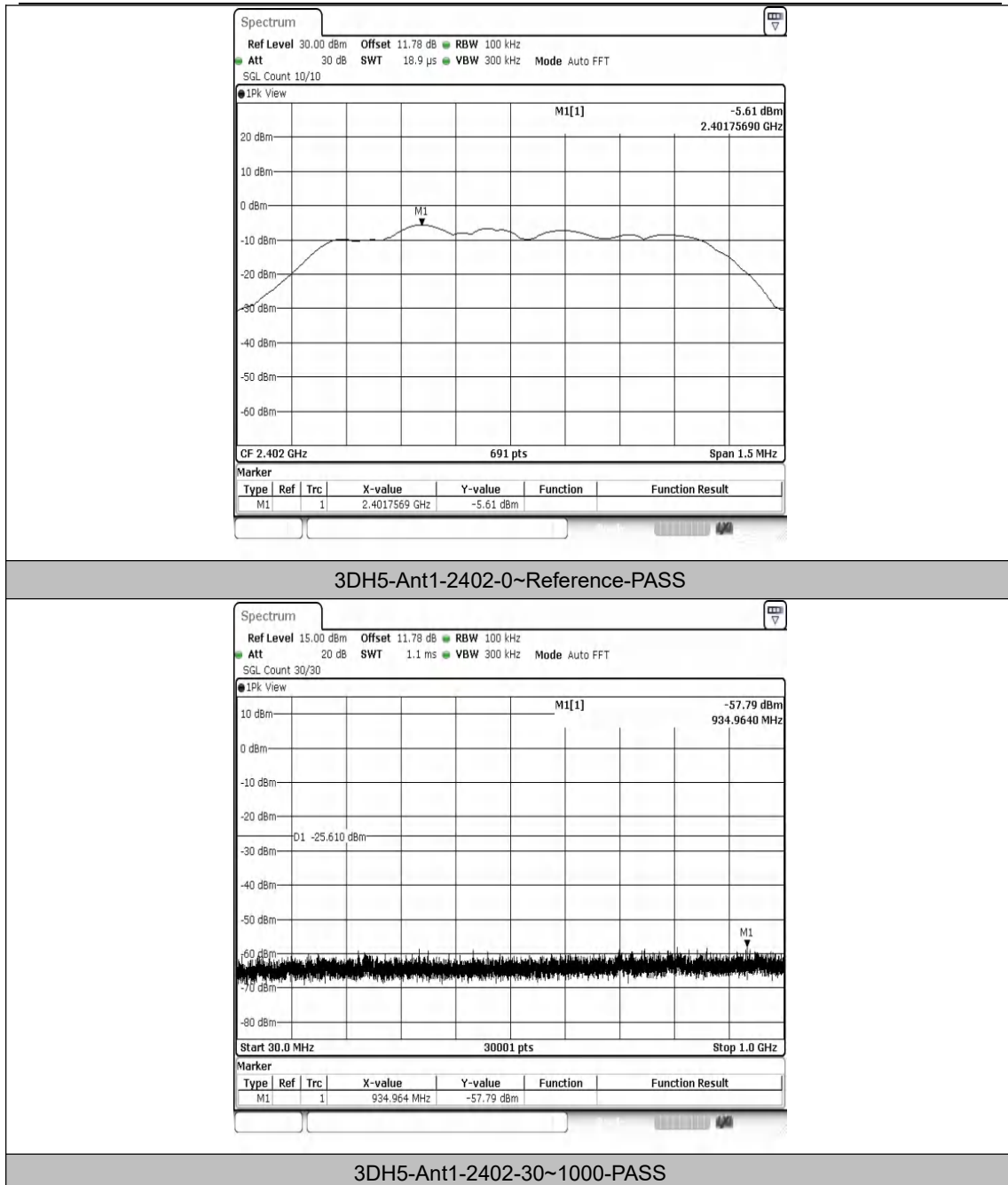


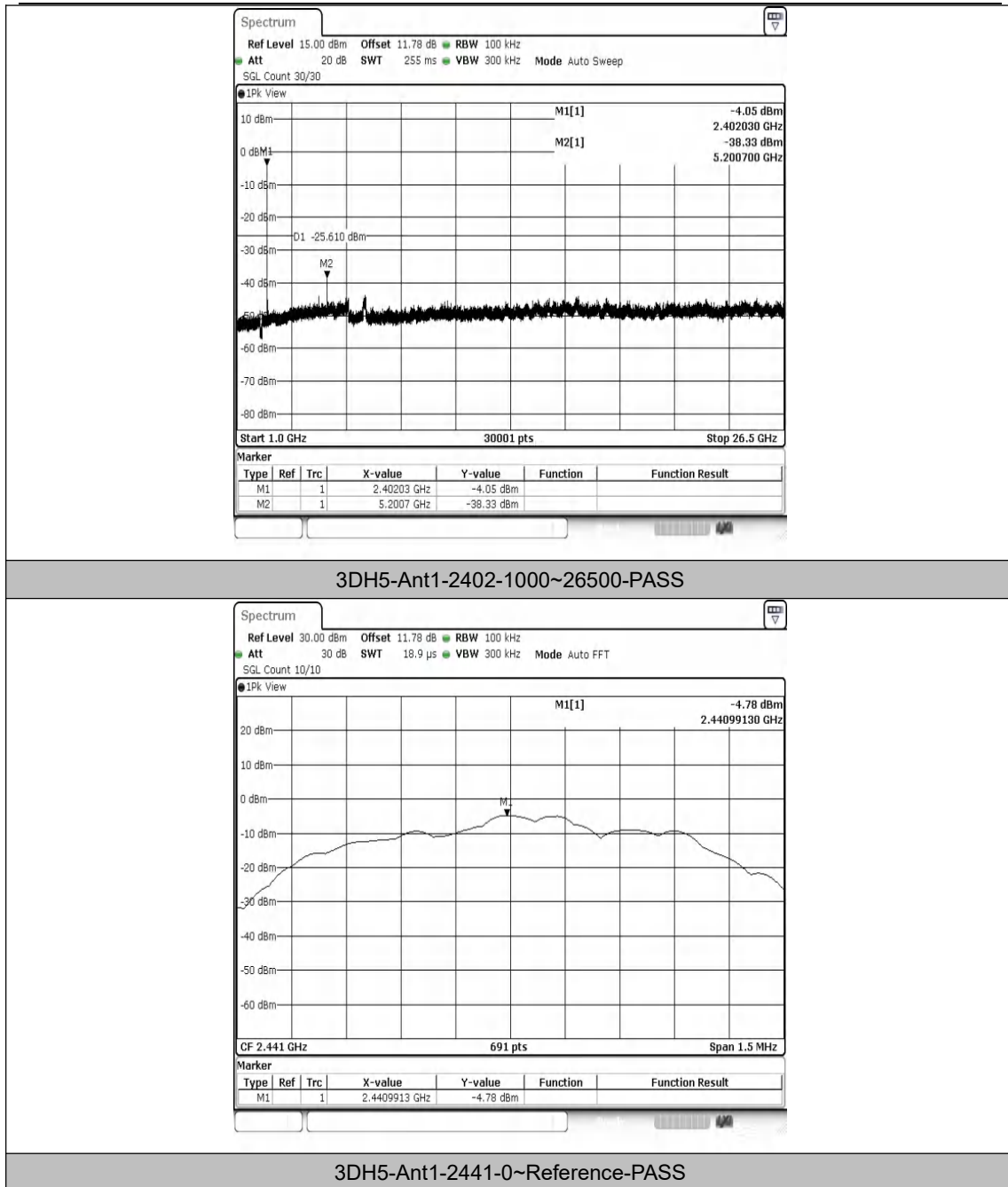


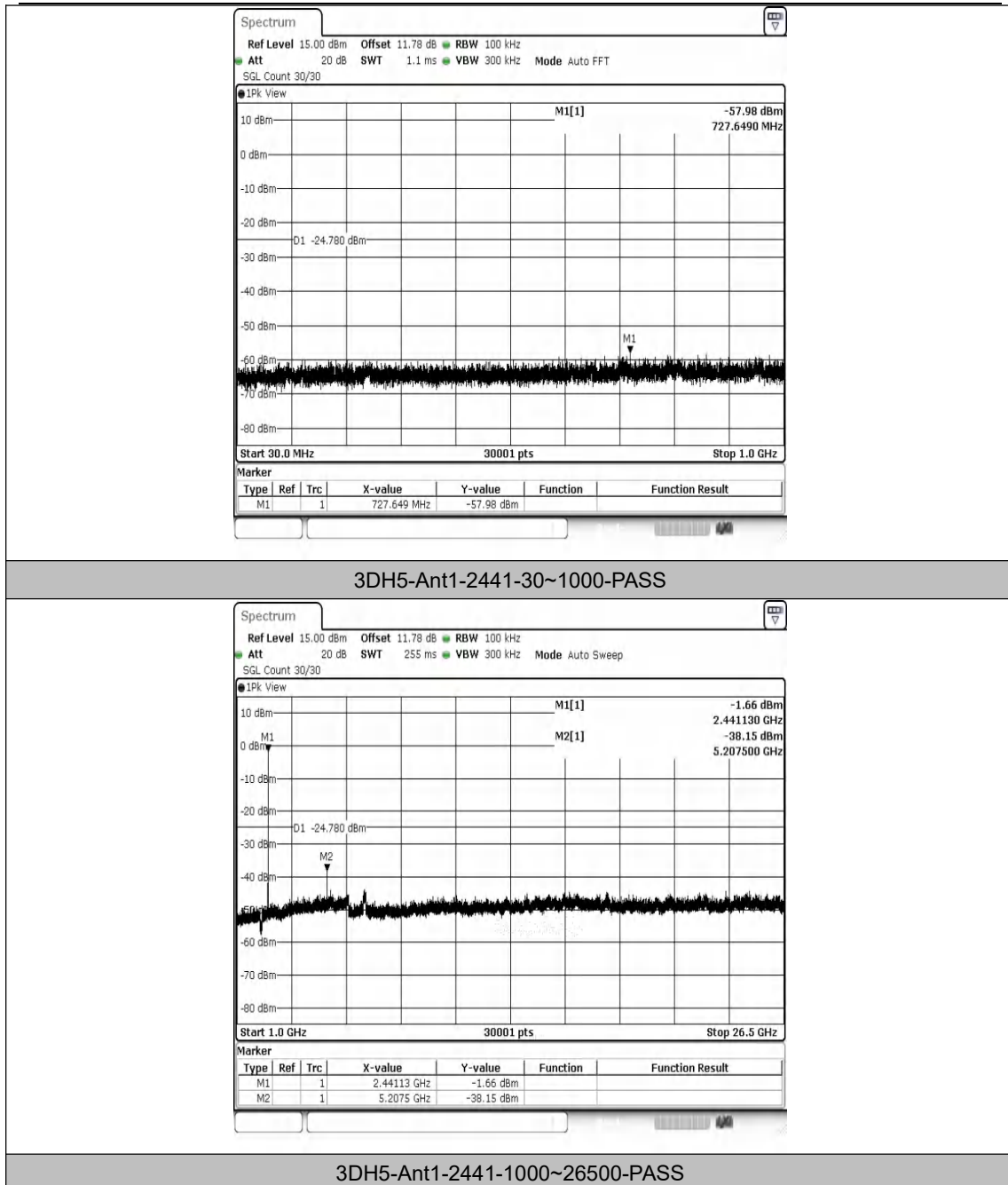


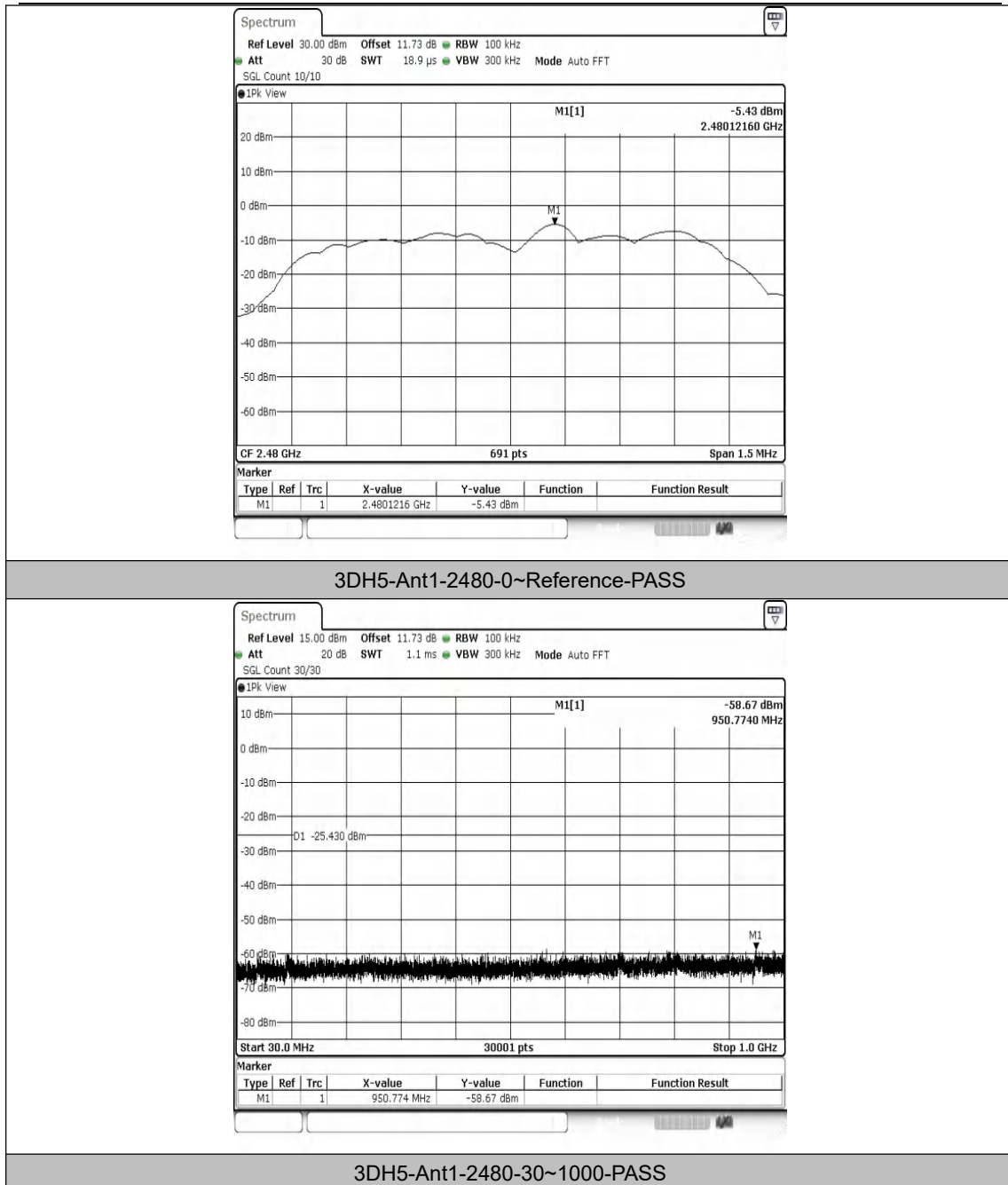


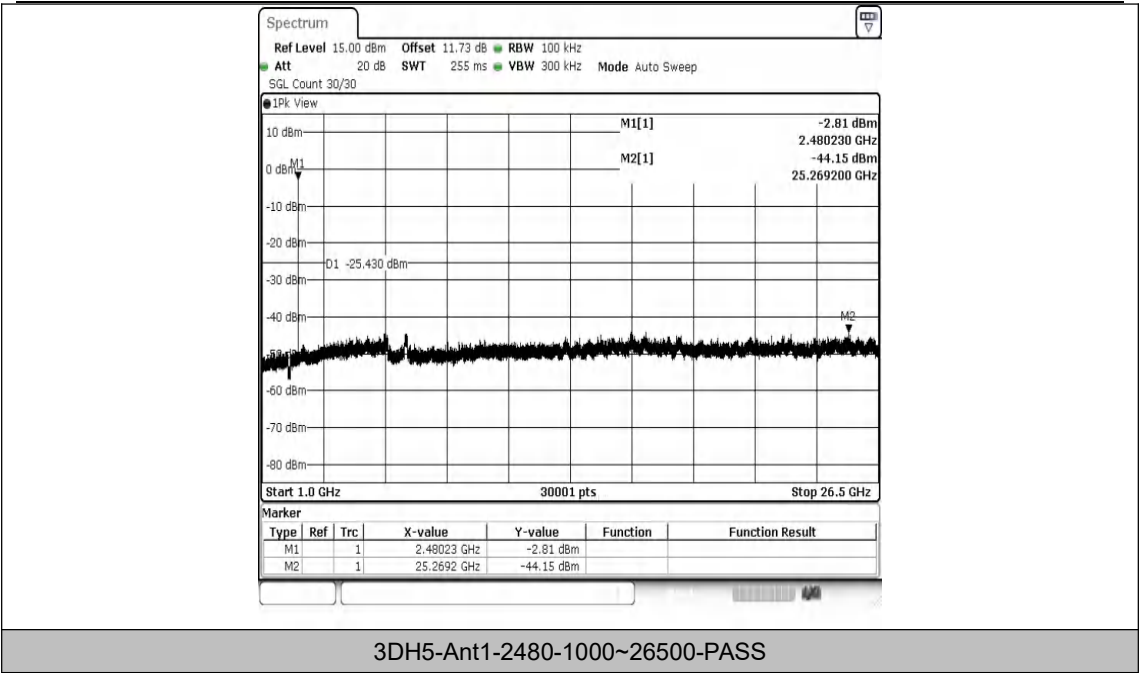












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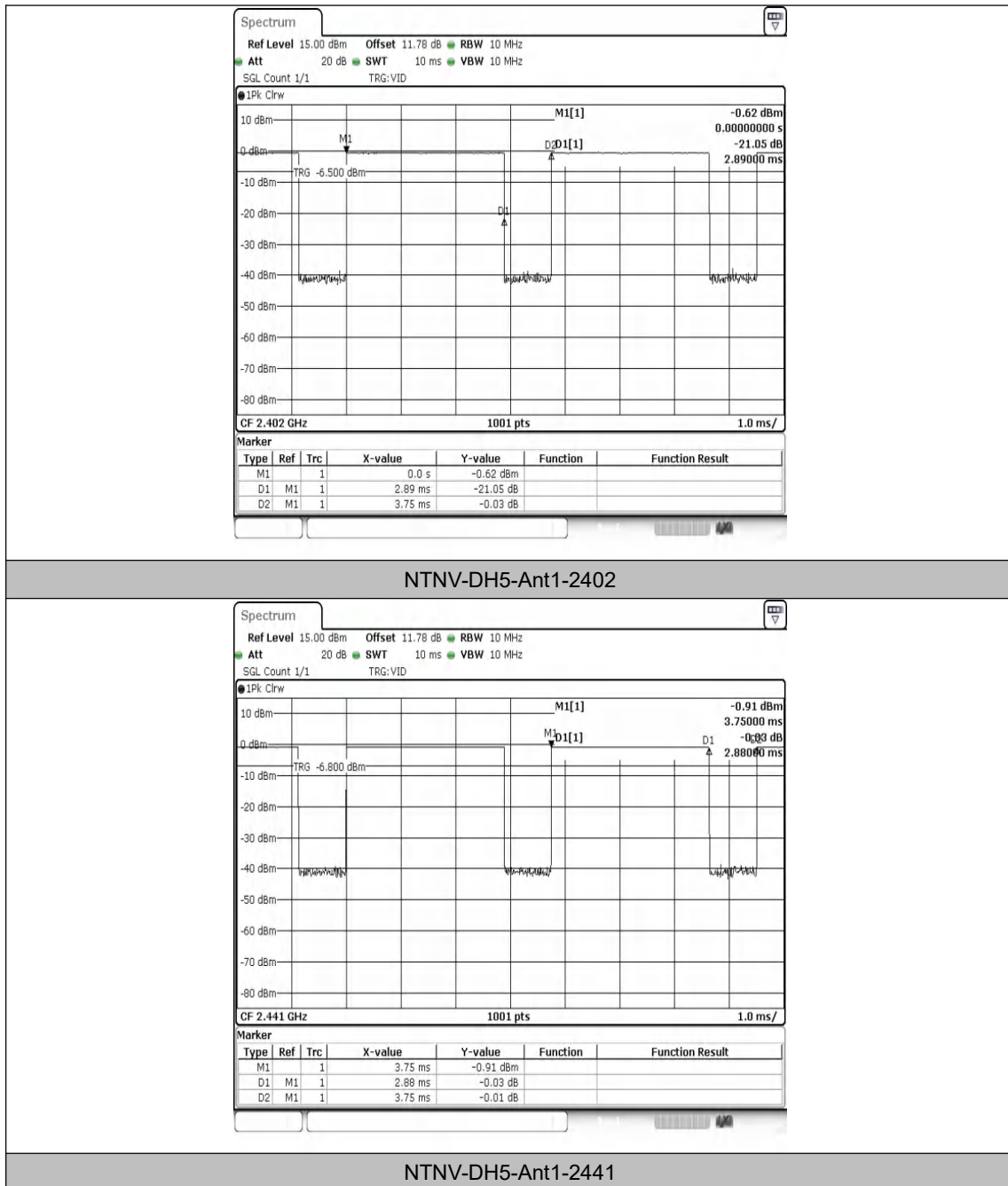
Appendix I: Duty Cycle

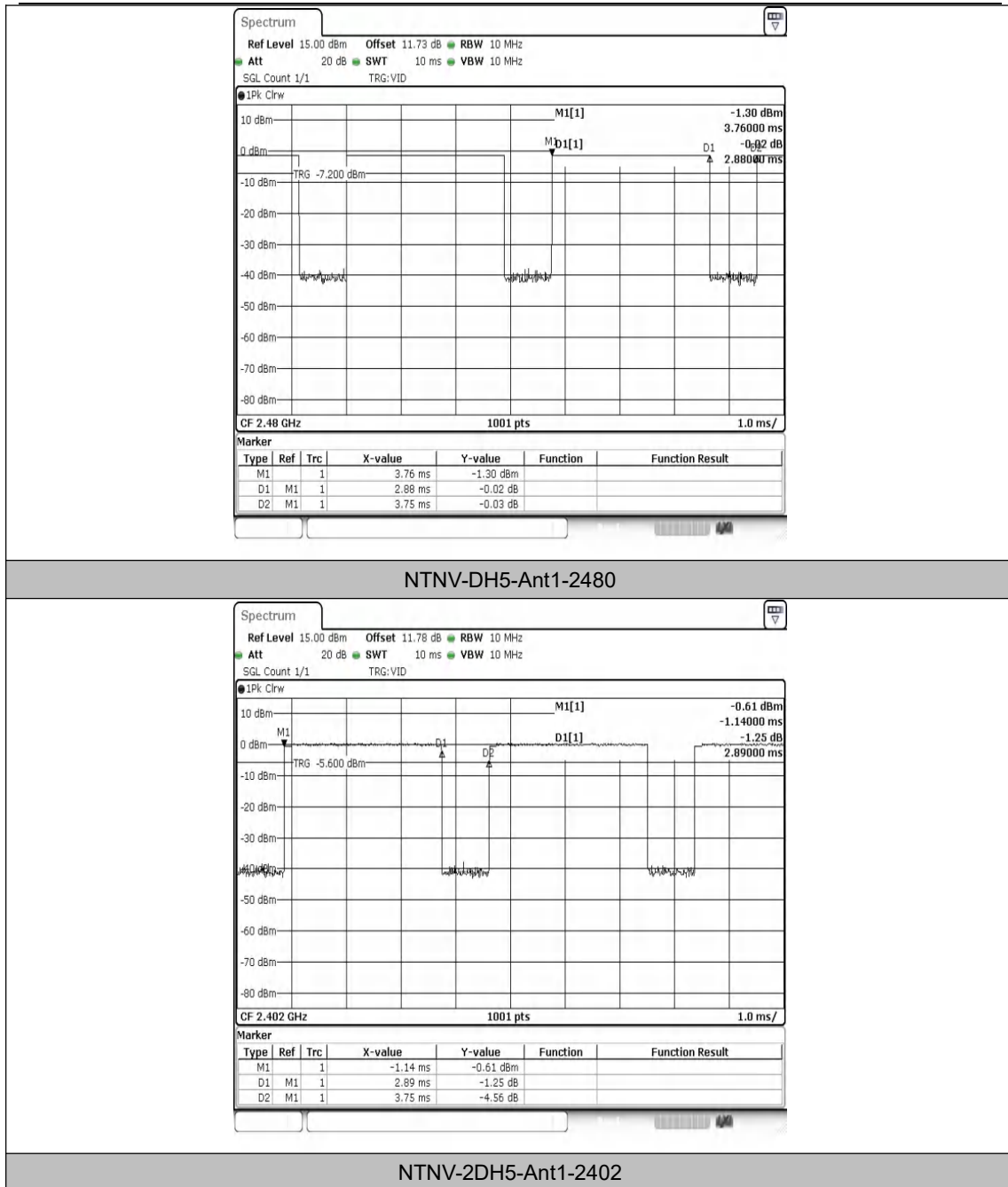
Test Result

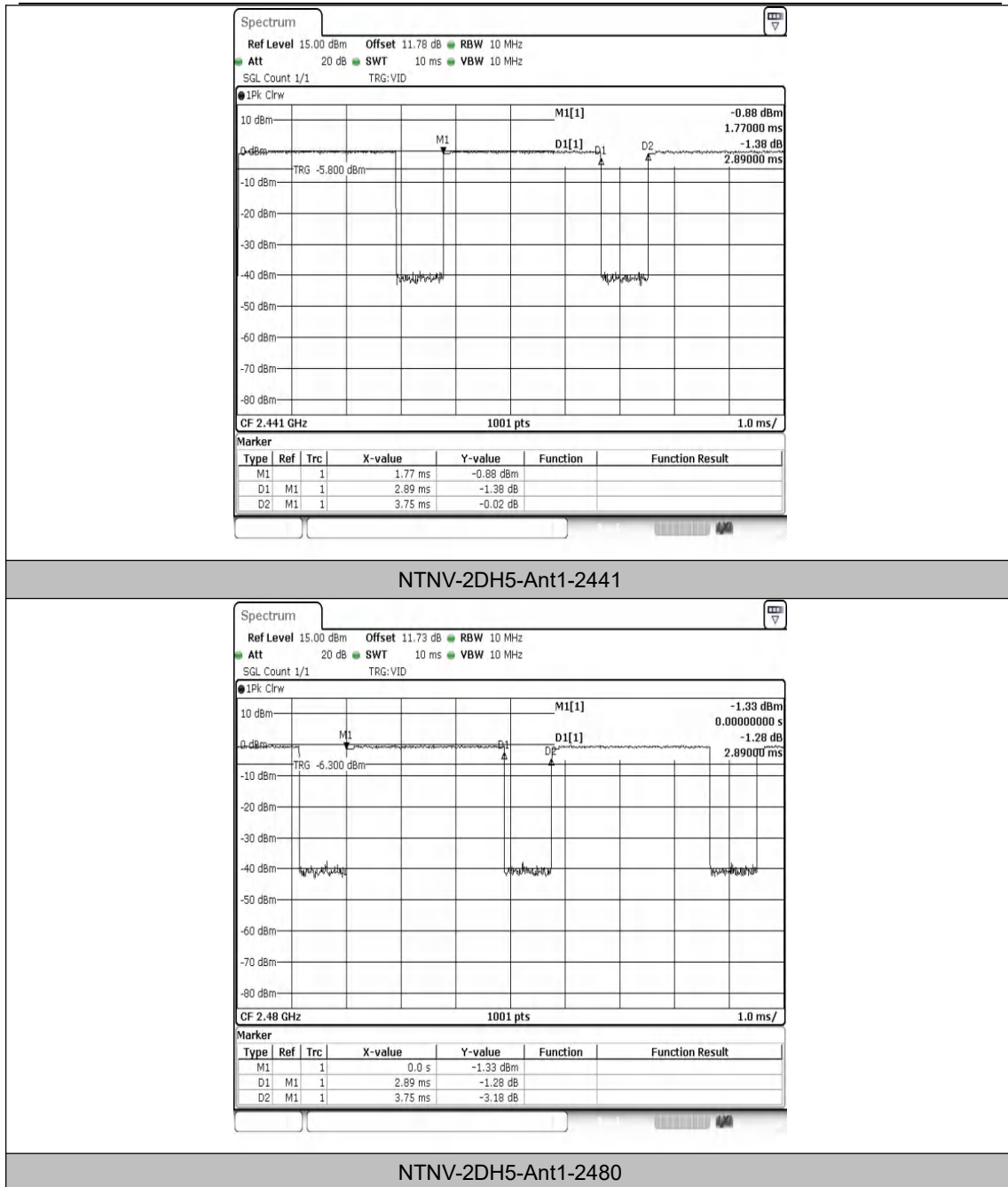
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
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	3.76	77.13	1.13

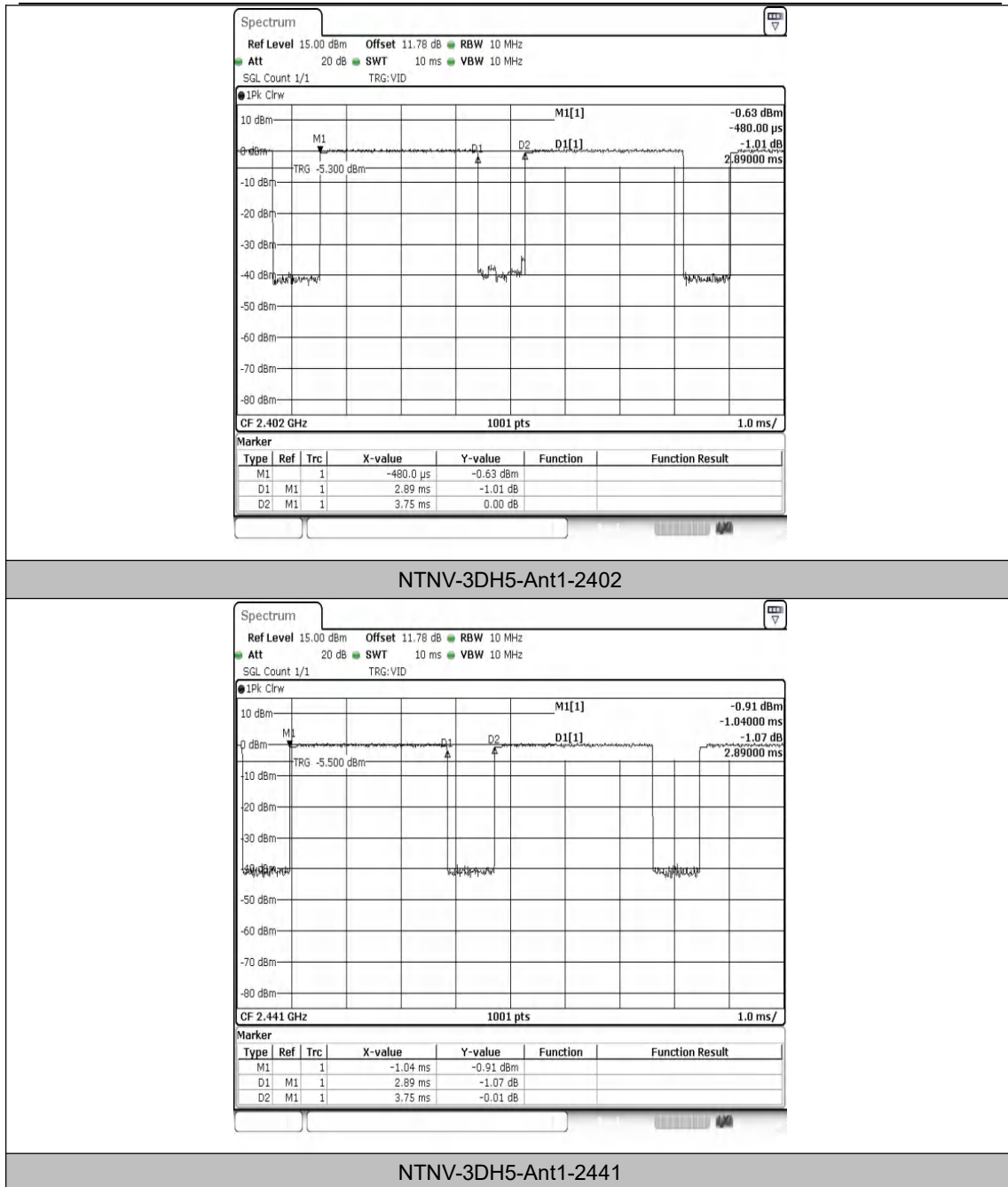


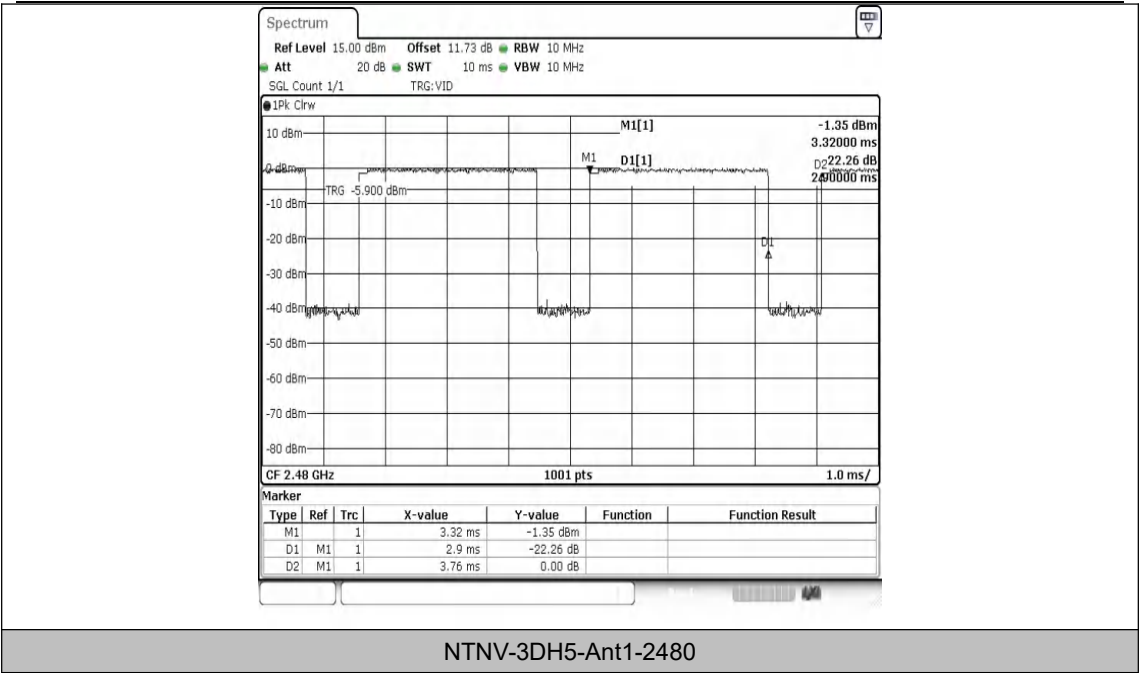
Test Graphs











---End---

