

Appendix Test Data

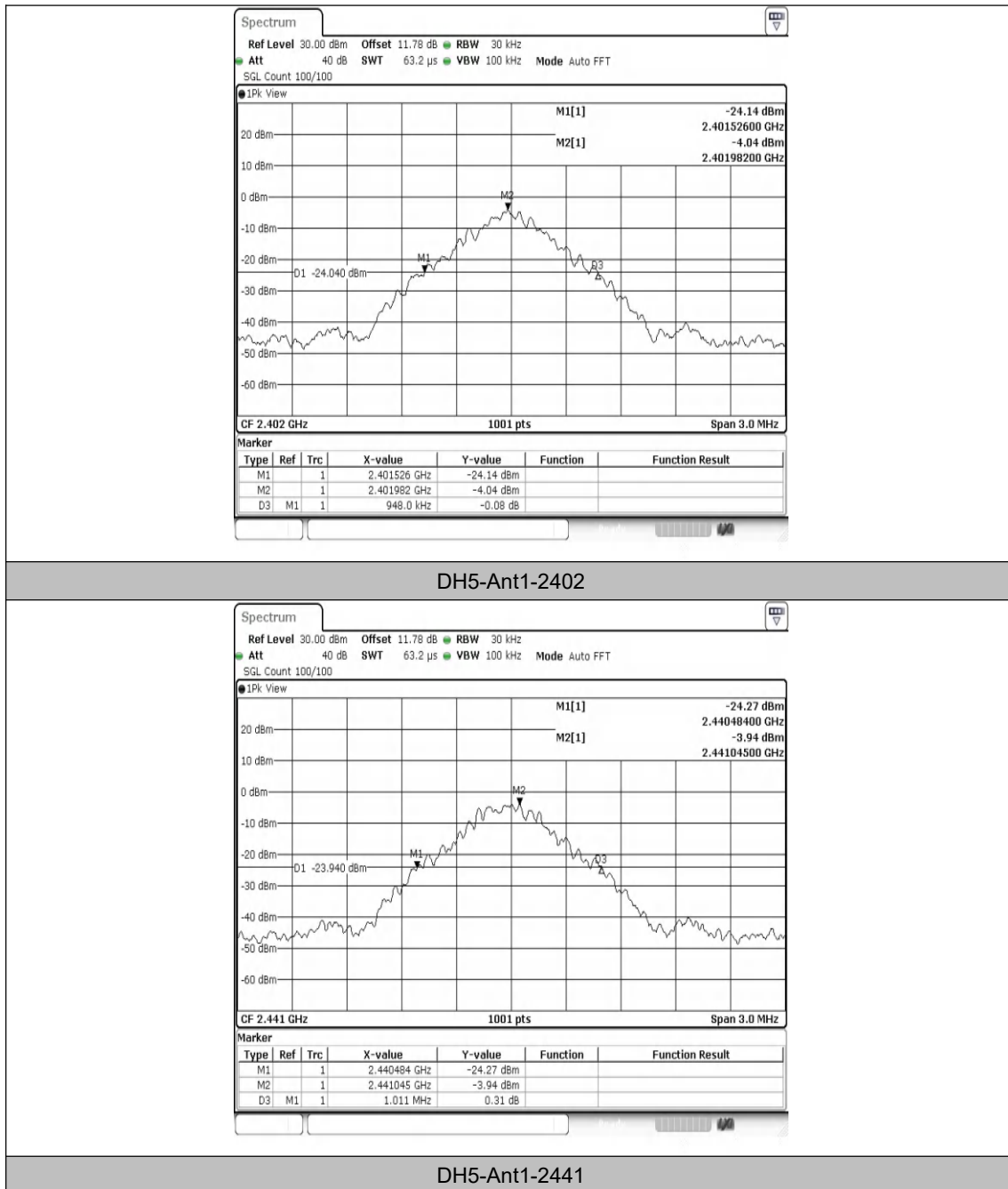
Report No.:	1819C40100212501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.13	Finish Test Date:	2024.12.18
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

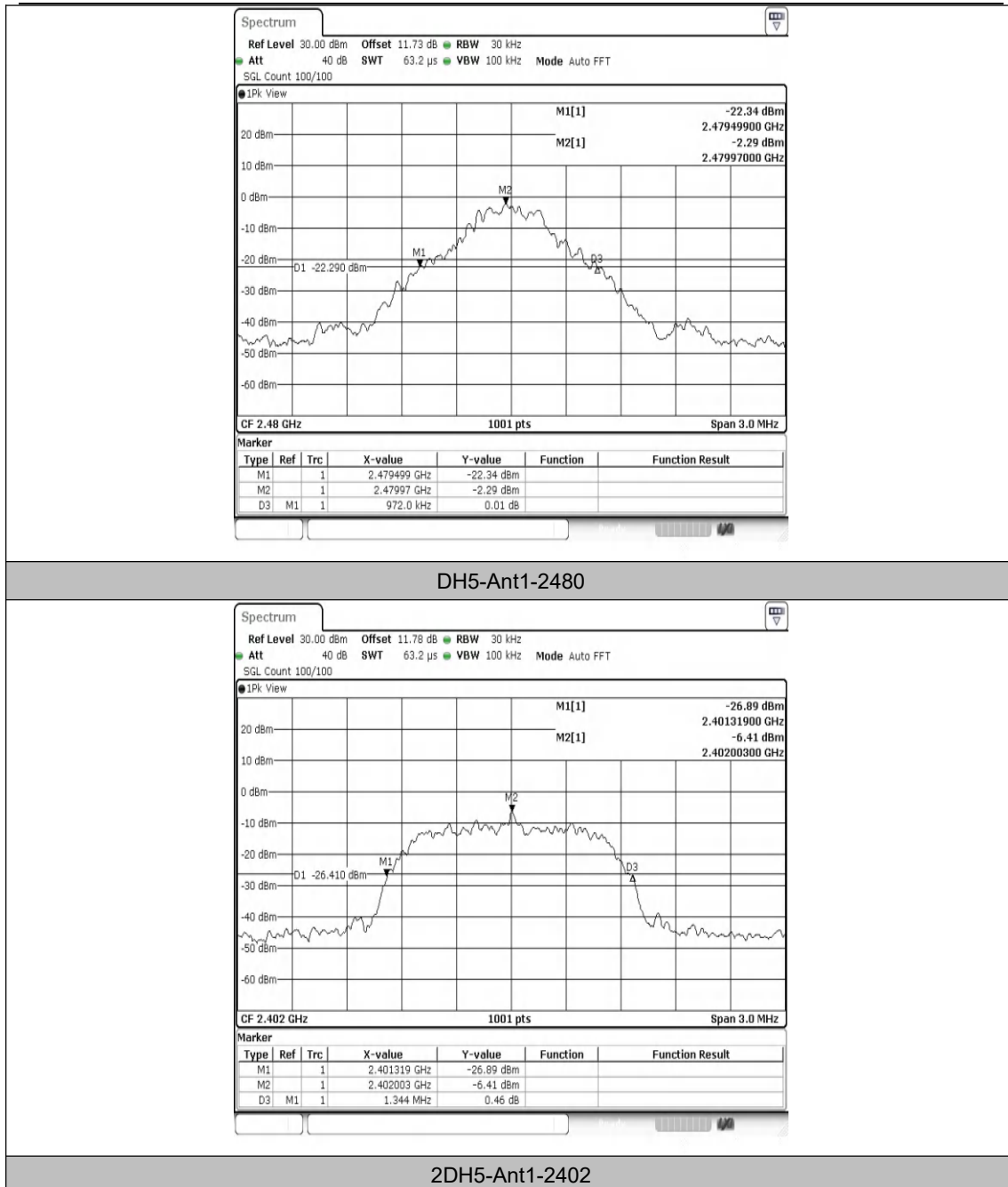
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.53	2402.47	---	---
DH5	Ant1	2441	1.01	2440.48	2441.50	---	---
DH5	Ant1	2480	0.97	2479.50	2480.47	---	---
2DH5	Ant1	2402	1.34	2401.32	2402.66	---	---
2DH5	Ant1	2441	1.28	2440.36	2441.64	---	---
2DH5	Ant1	2480	1.29	2479.36	2480.65	---	---
3DH5	Ant1	2402	1.29	2401.34	2402.63	---	---
3DH5	Ant1	2441	1.31	2440.33	2441.65	---	---
3DH5	Ant1	2480	1.31	2479.34	2480.65	---	---

Test Graphs

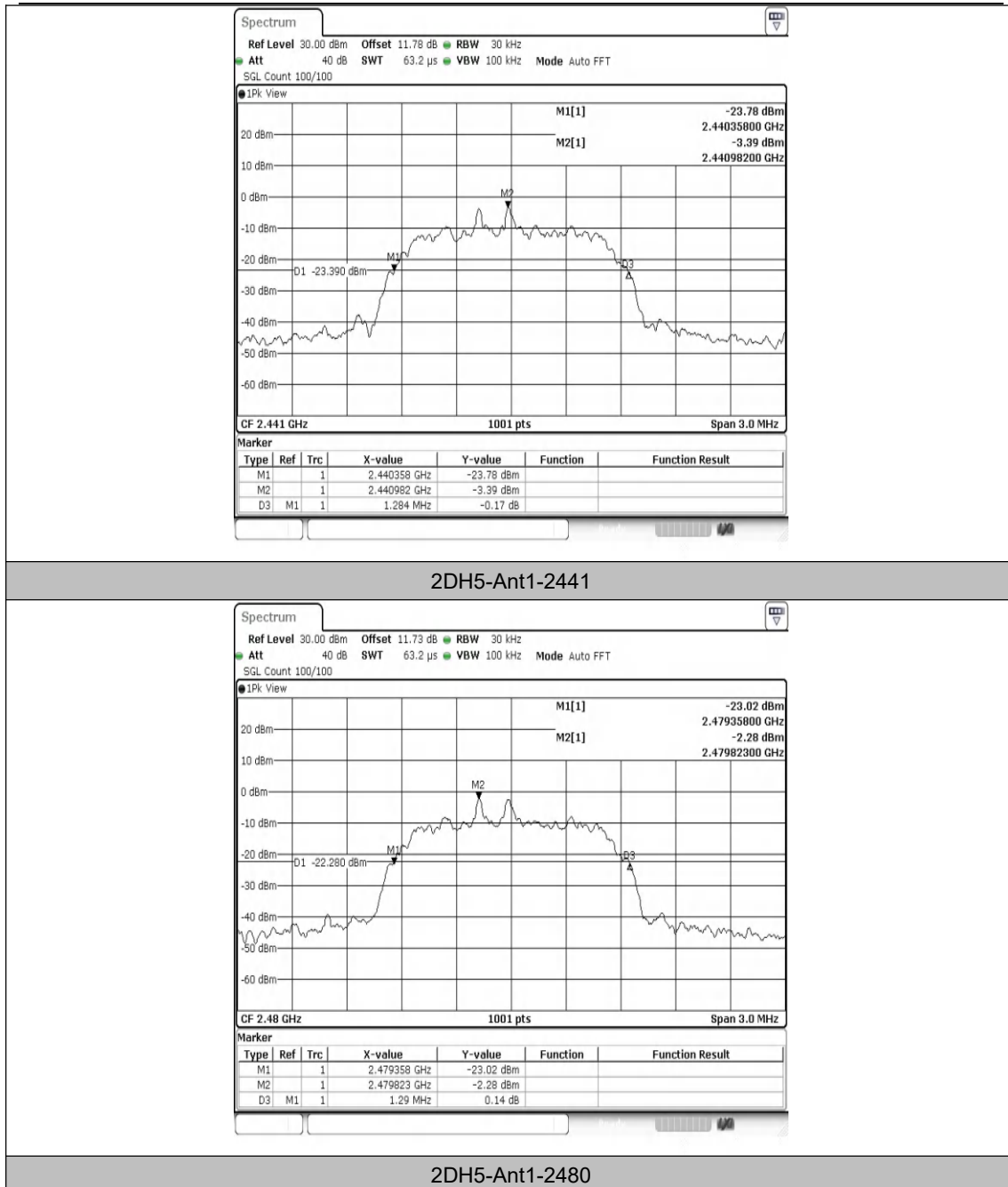


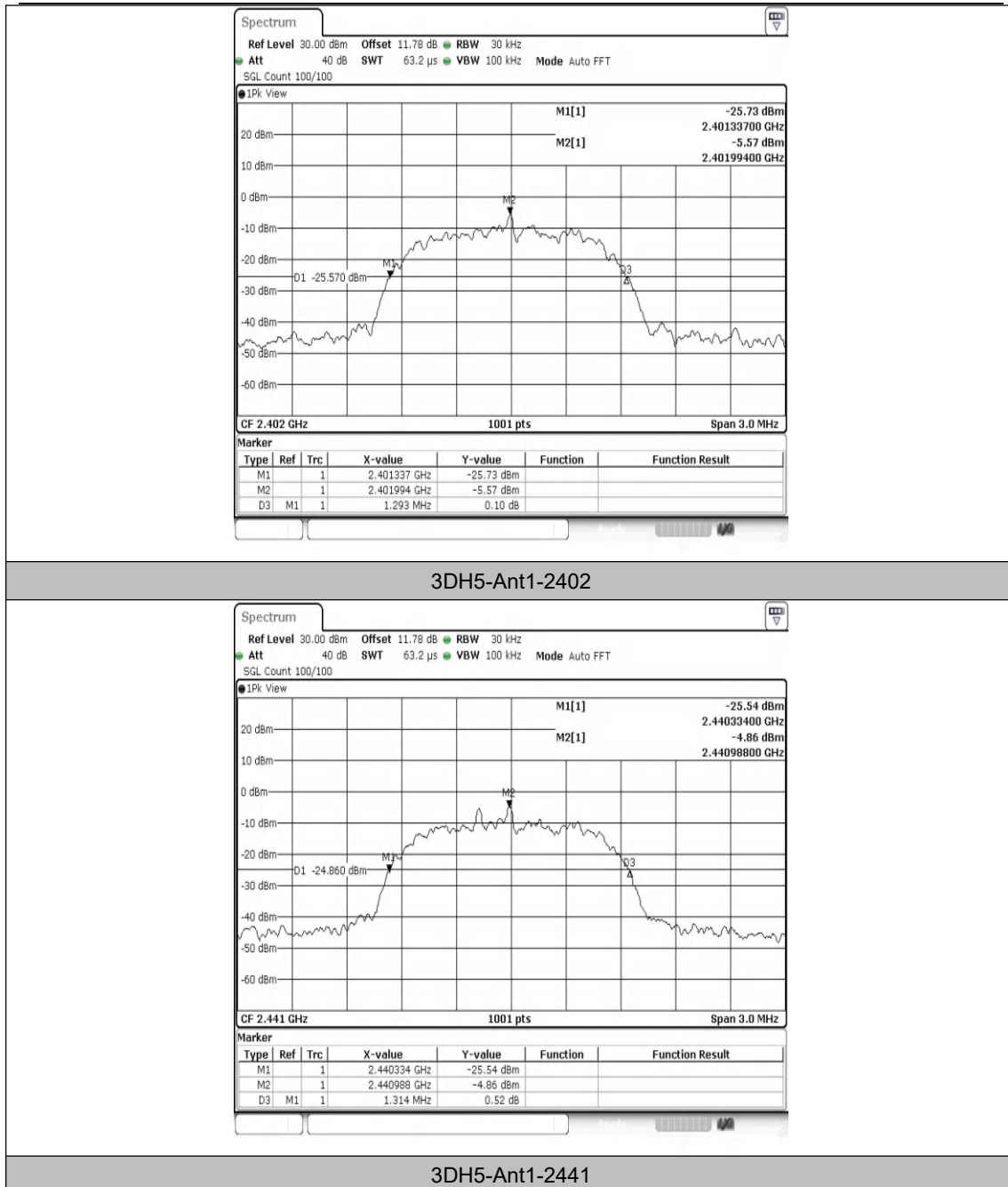


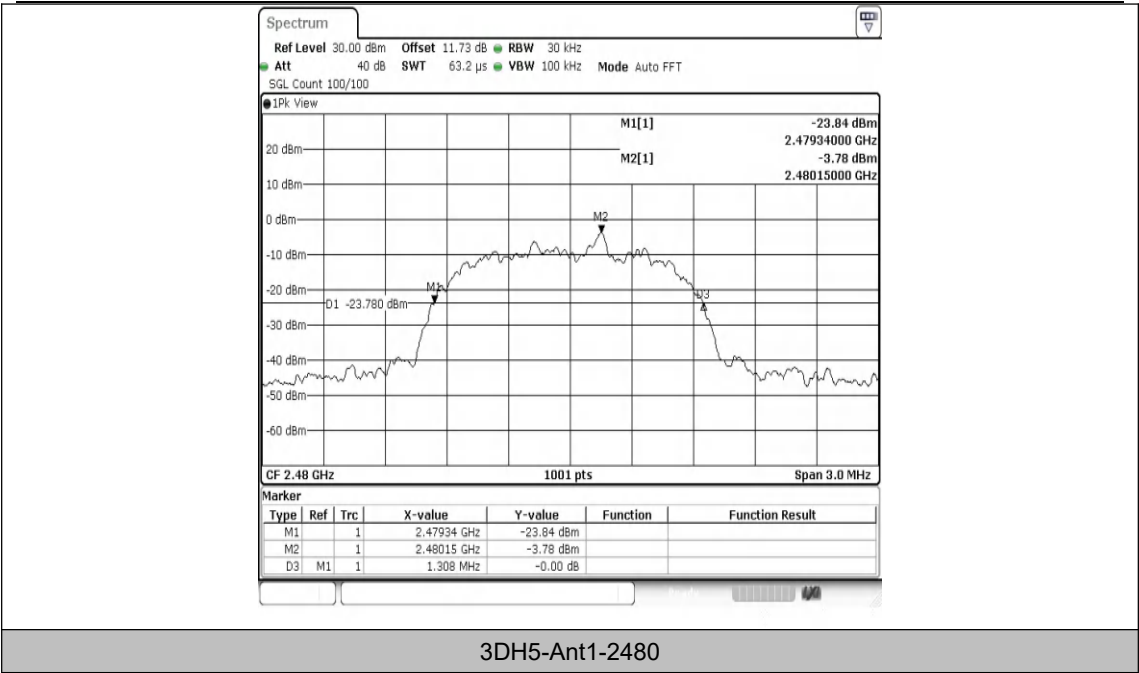
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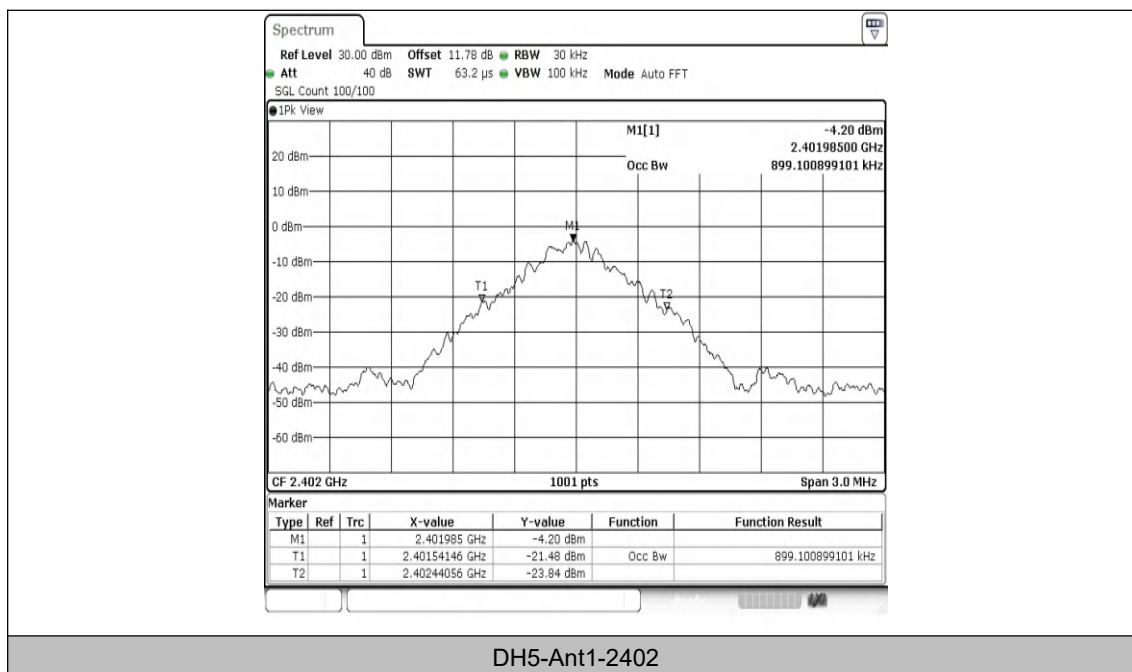
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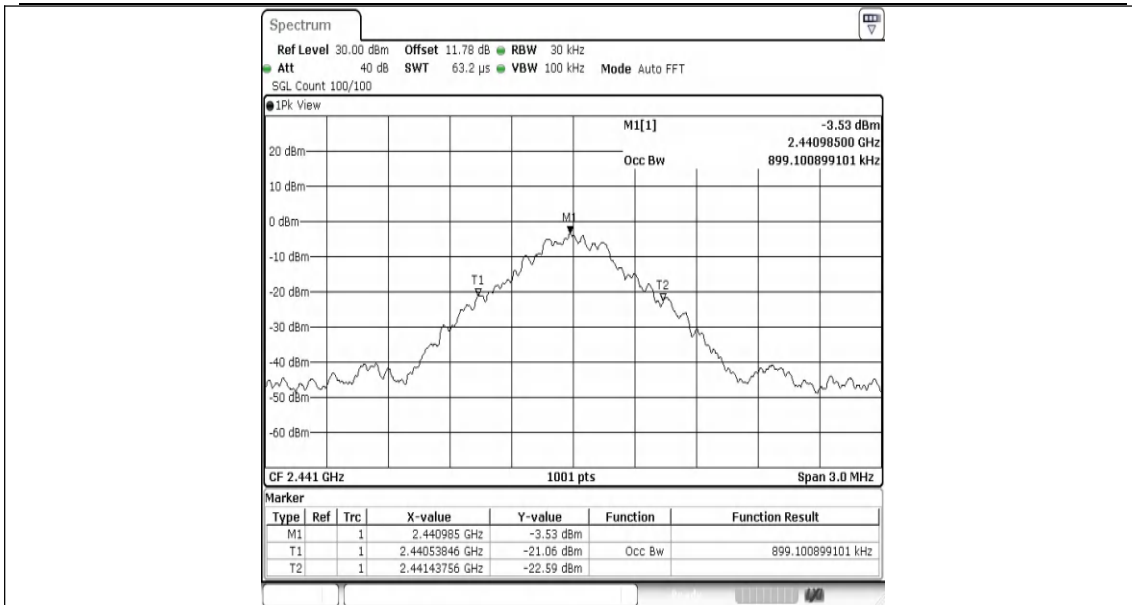
Appendix B: 99% Occupied Bandwidth

Test Result

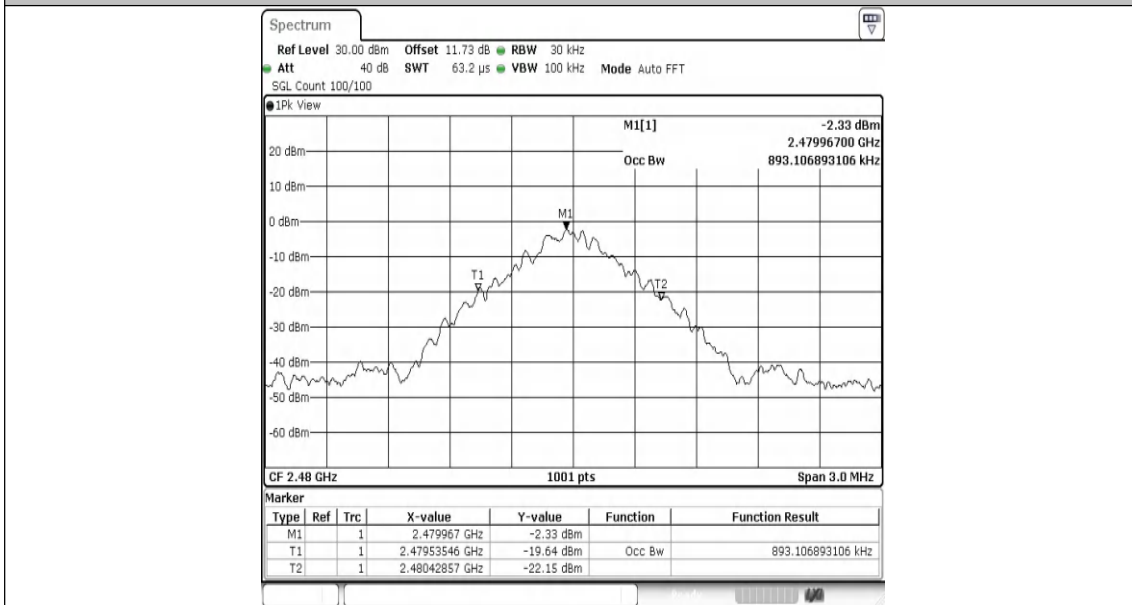
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.899	2401.5415	2402.4406	---	---
DH5	Ant1	2441	0.899	2440.5385	2441.4376	---	---
DH5	Ant1	2480	0.893	2479.5355	2480.4286	---	---
2DH5	Ant1	2402	1.199	2401.3946	2402.5934	---	---
2DH5	Ant1	2441	1.196	2440.3886	2441.5844	---	---
2DH5	Ant1	2480	1.181	2479.4006	2480.5814	---	---
3DH5	Ant1	2402	1.181	2401.3946	2402.5754	---	---
3DH5	Ant1	2441	1.184	2440.3976	2441.5814	---	---
3DH5	Ant1	2480	1.202	2479.3856	2480.5874	---	---

Test Graphs

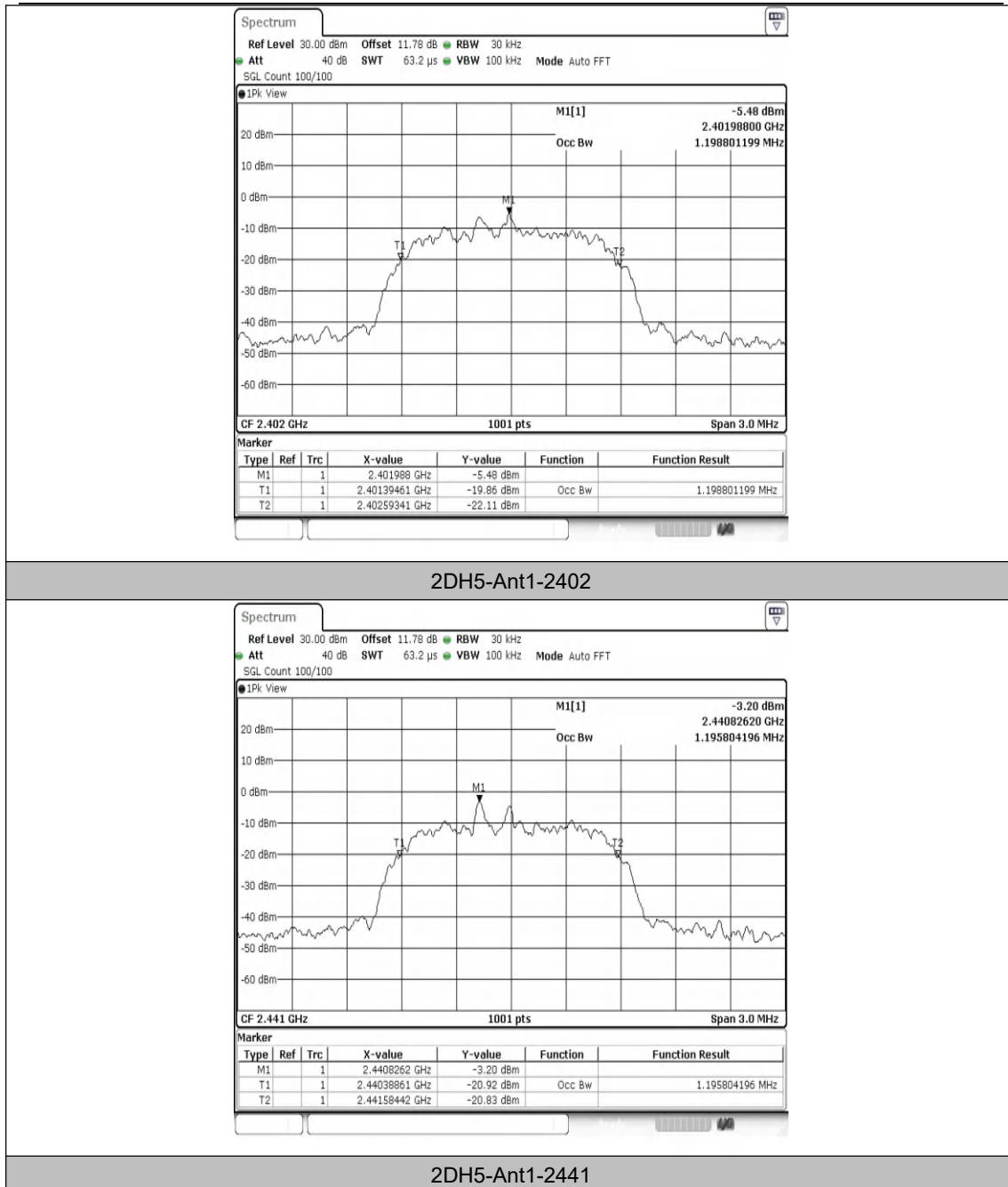


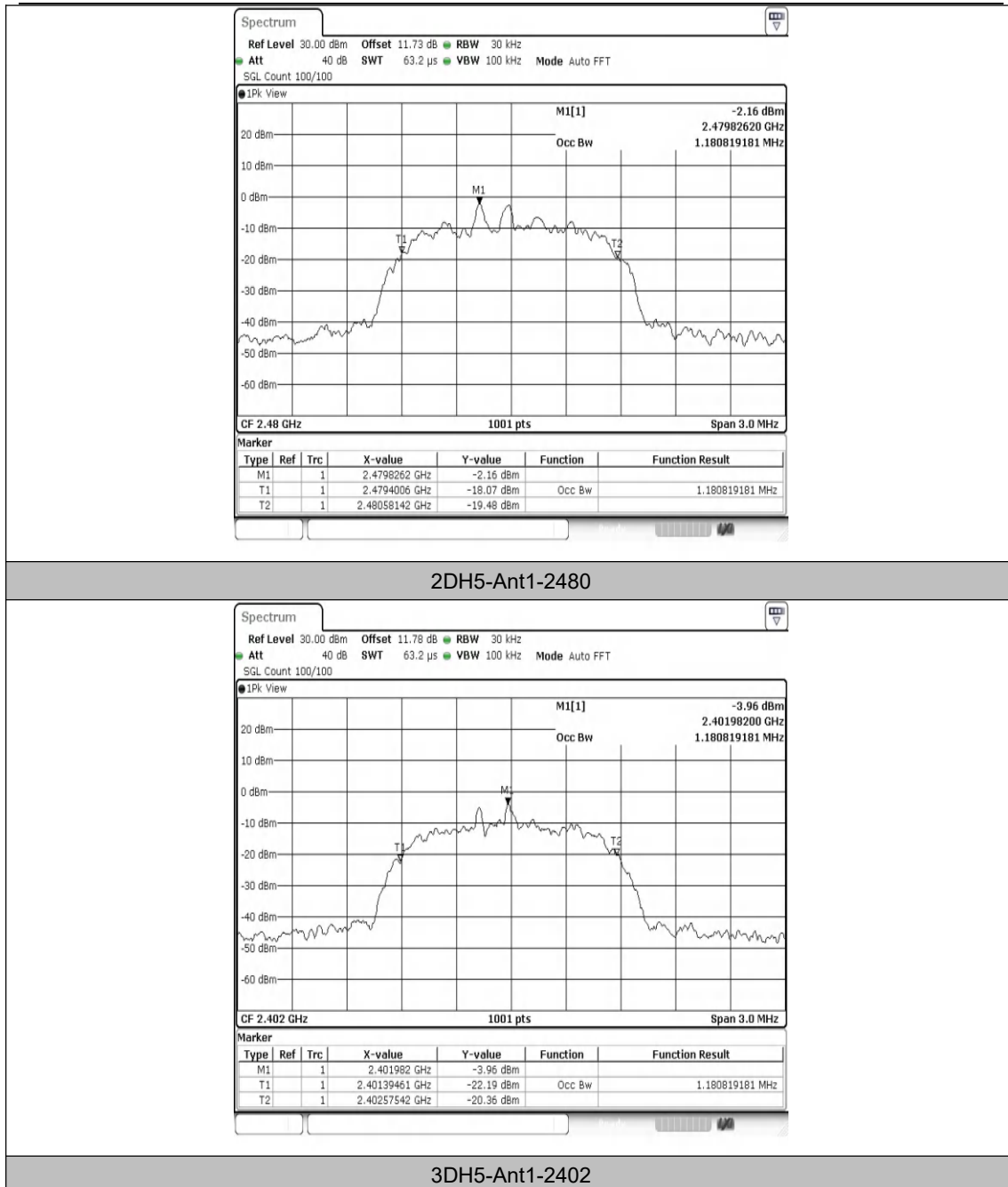


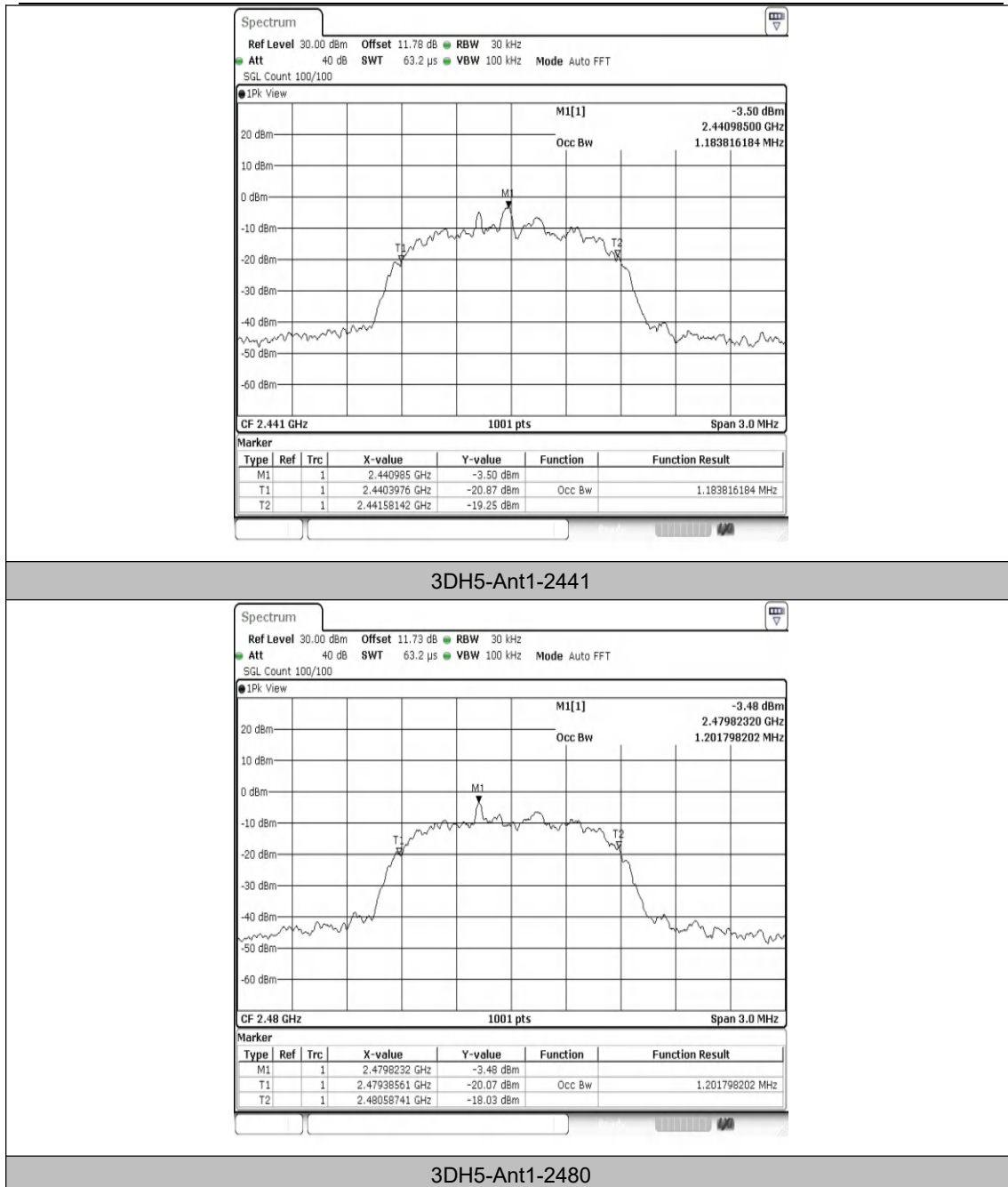
DH5-Ant1-2441



DH5-Ant1-2480







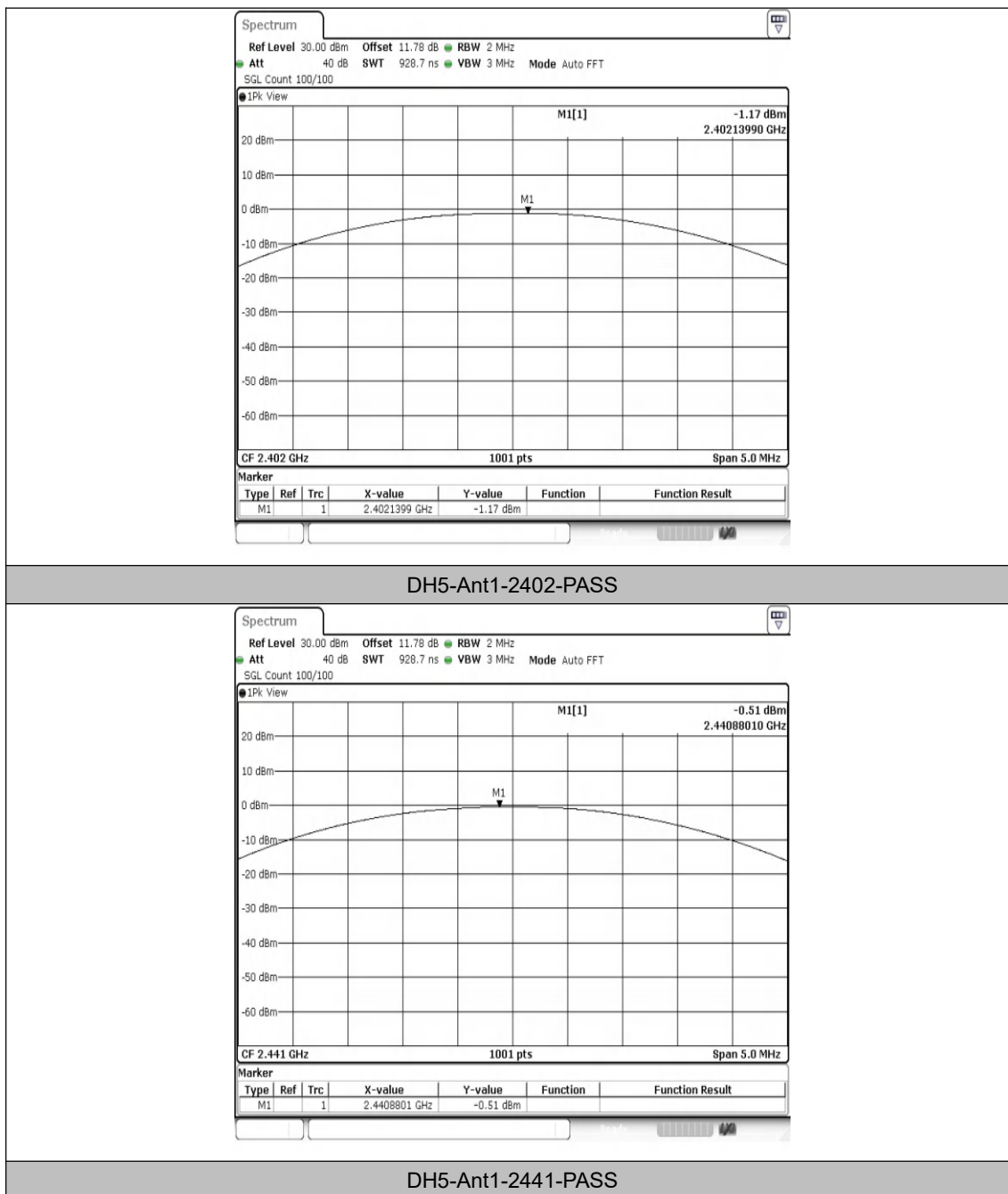
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.17	≤20.97	PASS
DH5	Ant1	2441	-0.51	≤20.97	PASS
DH5	Ant1	2480	0.68	≤20.97	PASS
2DH5	Ant1	2402	-0.53	≤20.97	PASS
2DH5	Ant1	2441	0.02	≤20.97	PASS
2DH5	Ant1	2480	1.22	≤20.97	PASS
3DH5	Ant1	2402	-0.50	≤20.97	PASS
3DH5	Ant1	2441	0.20	≤20.97	PASS
3DH5	Ant1	2480	1.41	≤20.97	PASS



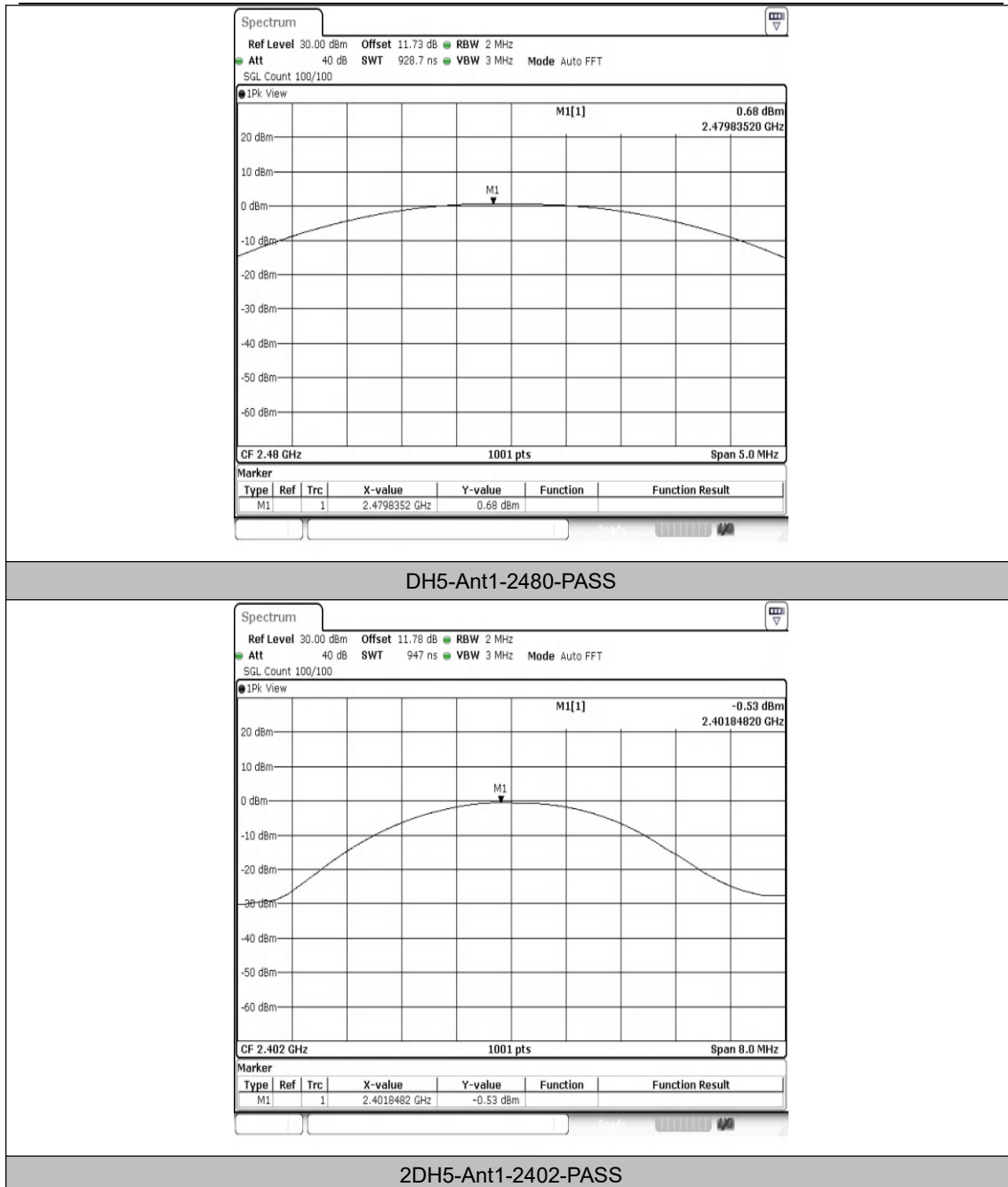
Test Graphs

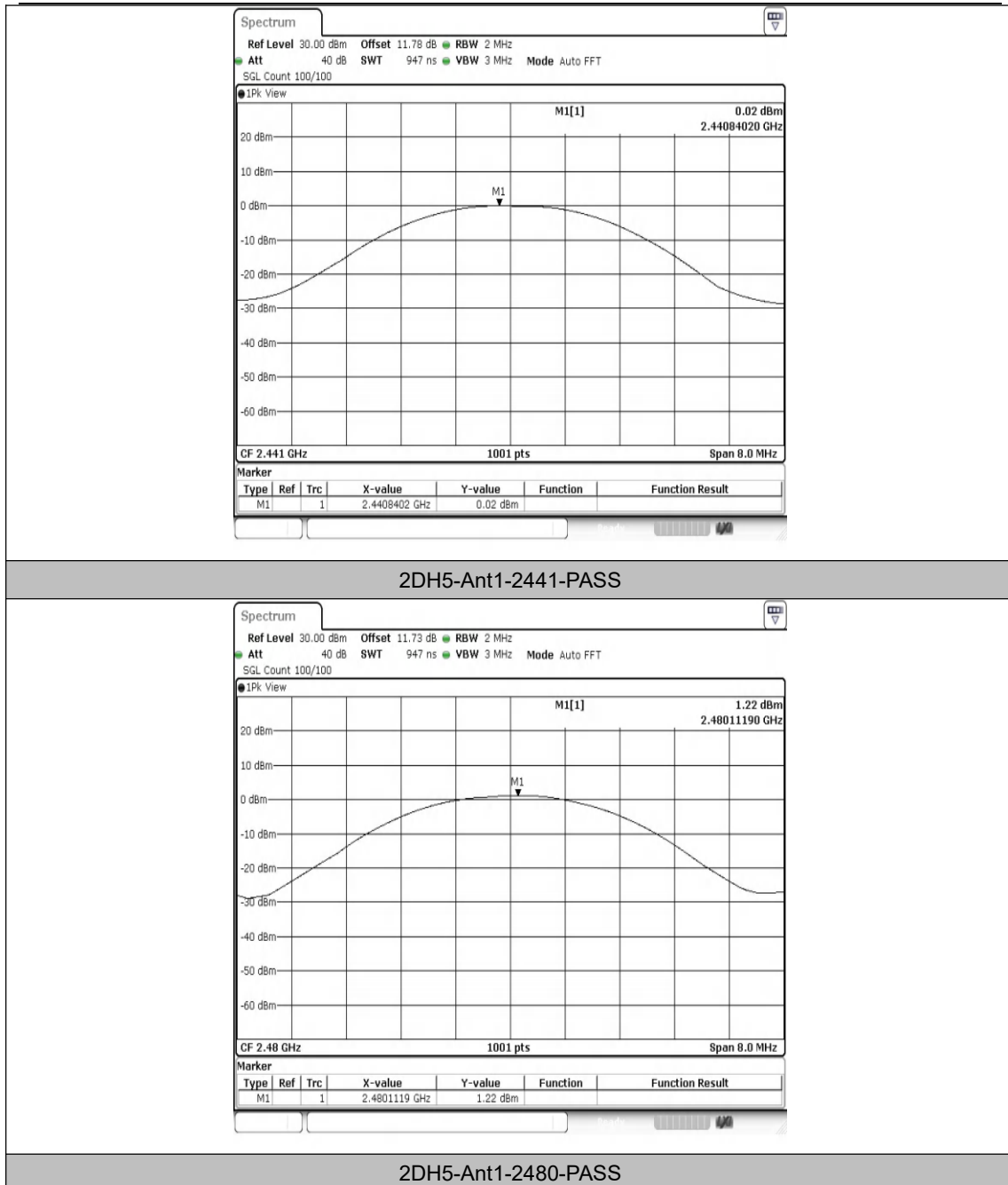


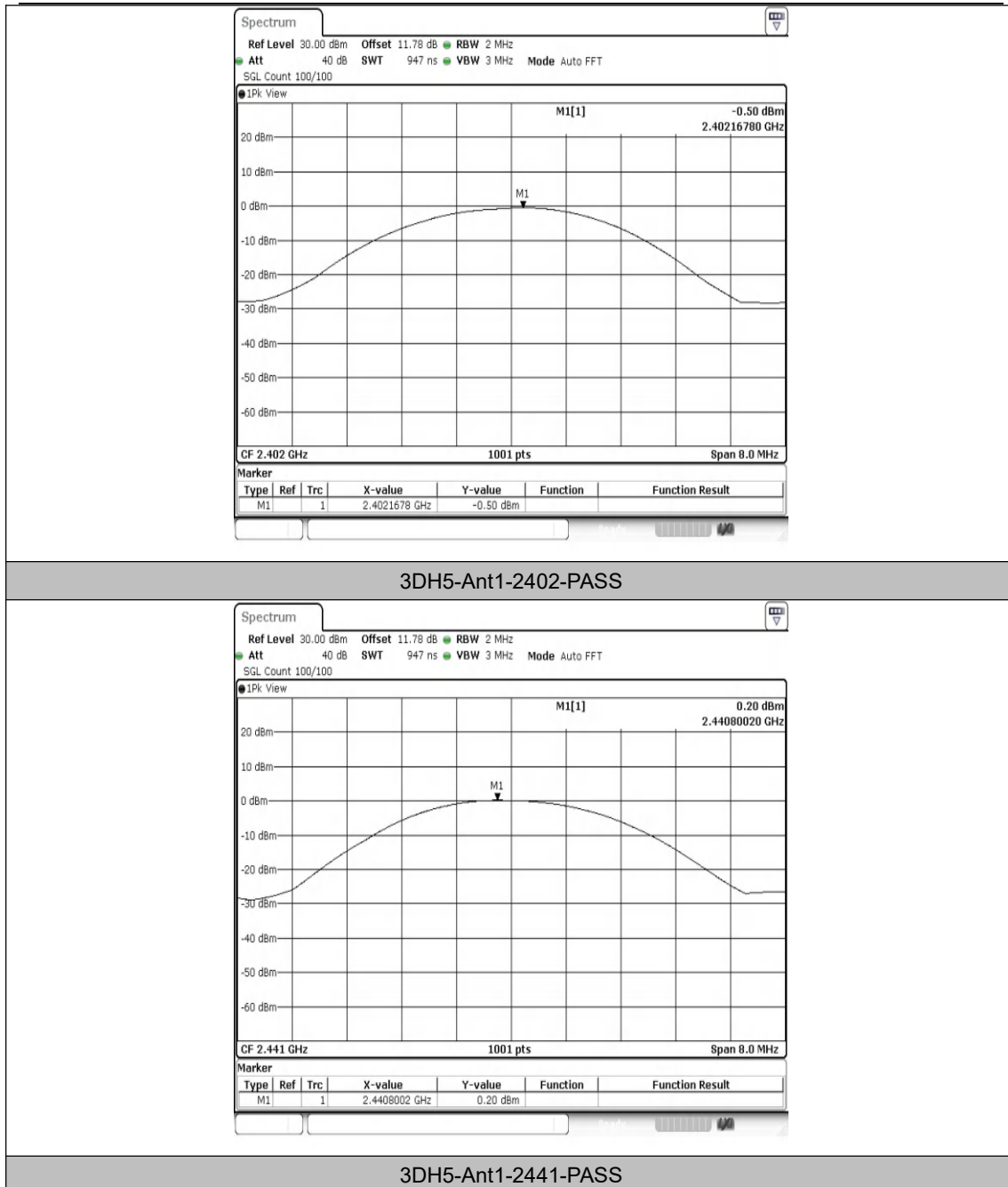
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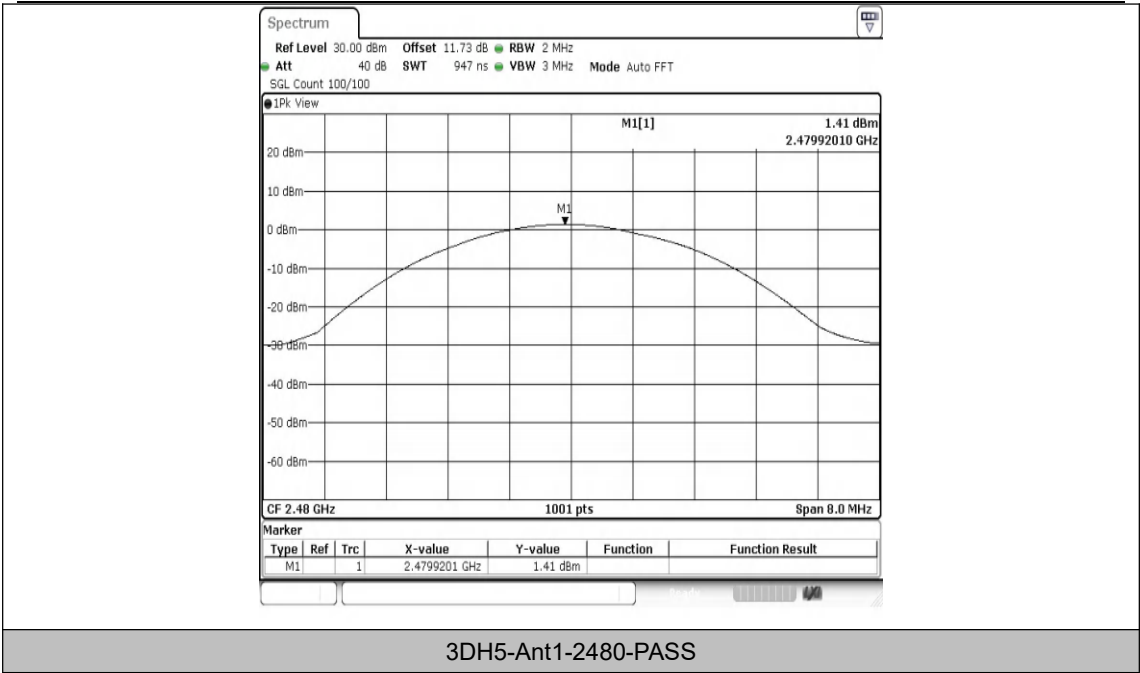
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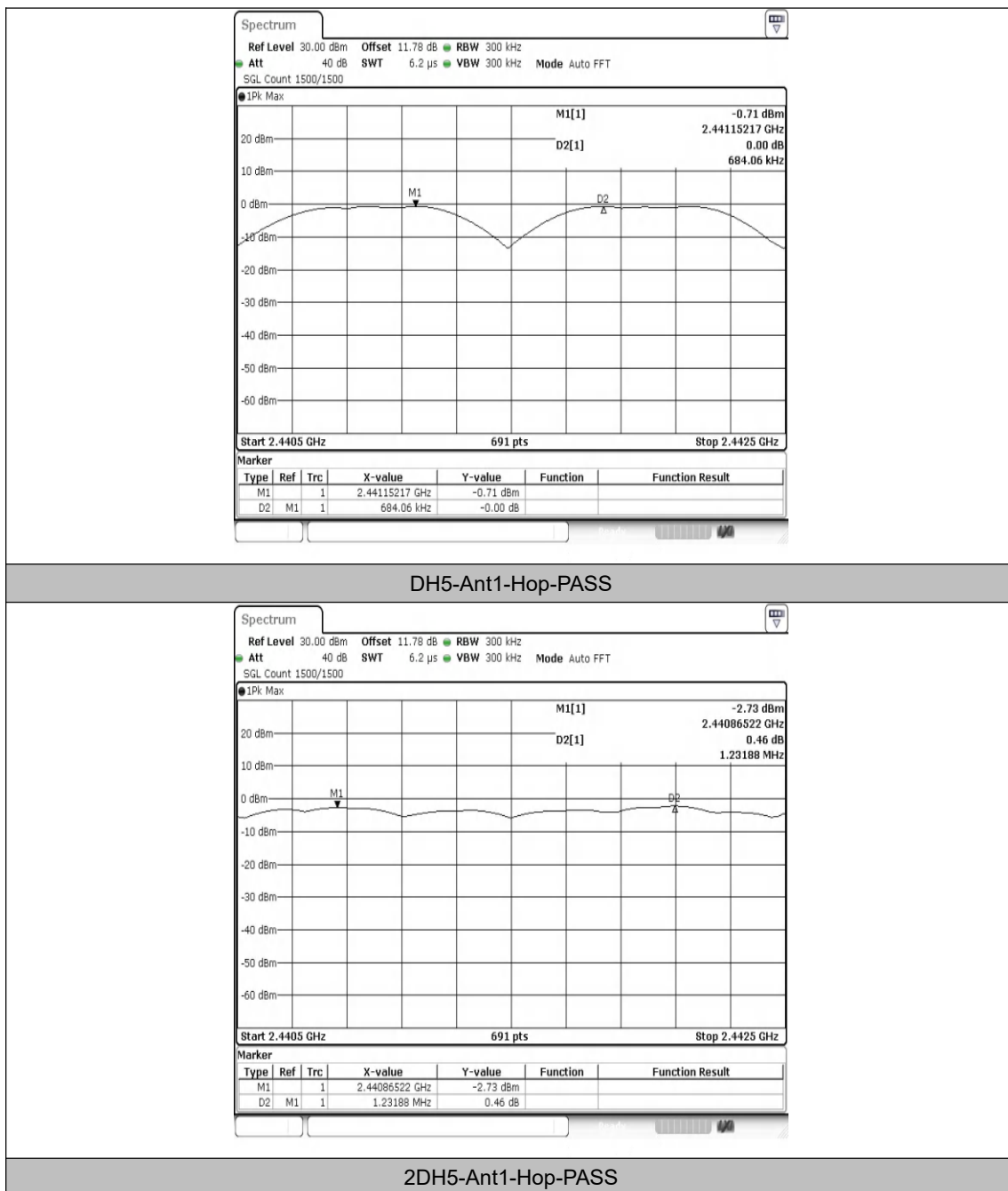
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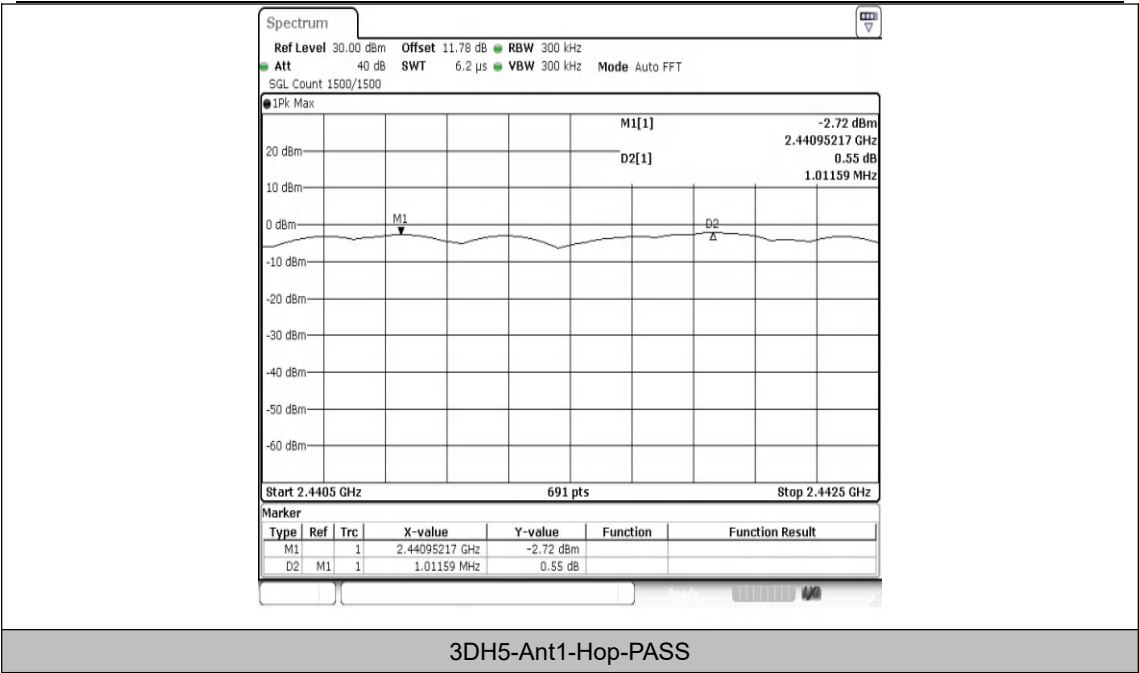
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥ 0.673	PASS
2DH5	Ant1	Hop	1.232	≥ 0.893	PASS
3DH5	Ant1	Hop	1.012	≥ 0.873	PASS

Test Graphs





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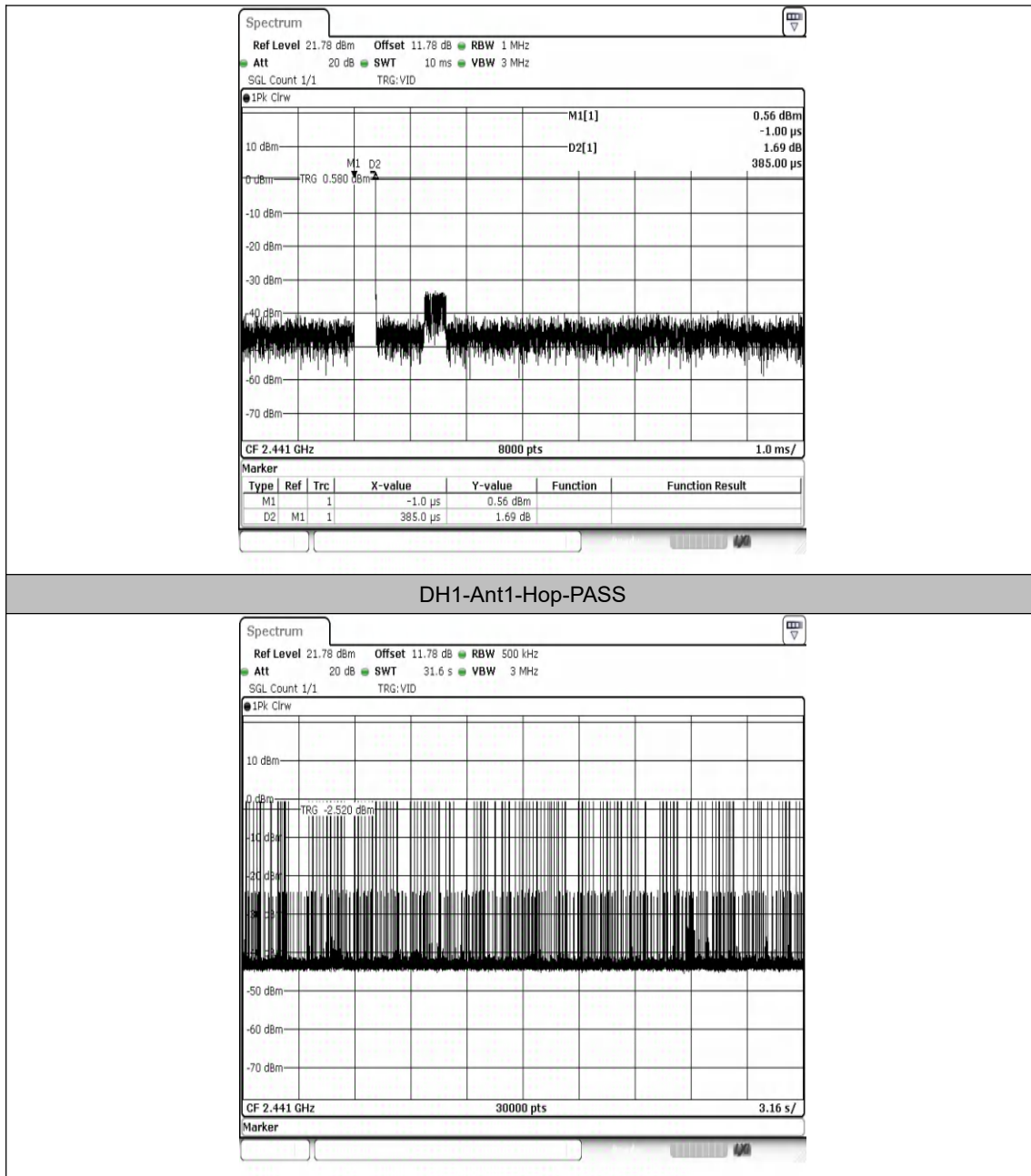
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.385	315	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.638	157	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS
2DH1	Ant1	Hop	0.391	321	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.643	162	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.890	109	0.315	≤0.4	PASS
3DH1	Ant1	Hop	0.391	319	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.643	164	0.269	≤0.4	PASS
3DH5	Ant1	Hop	2.893	108	0.312	≤0.4	PASS



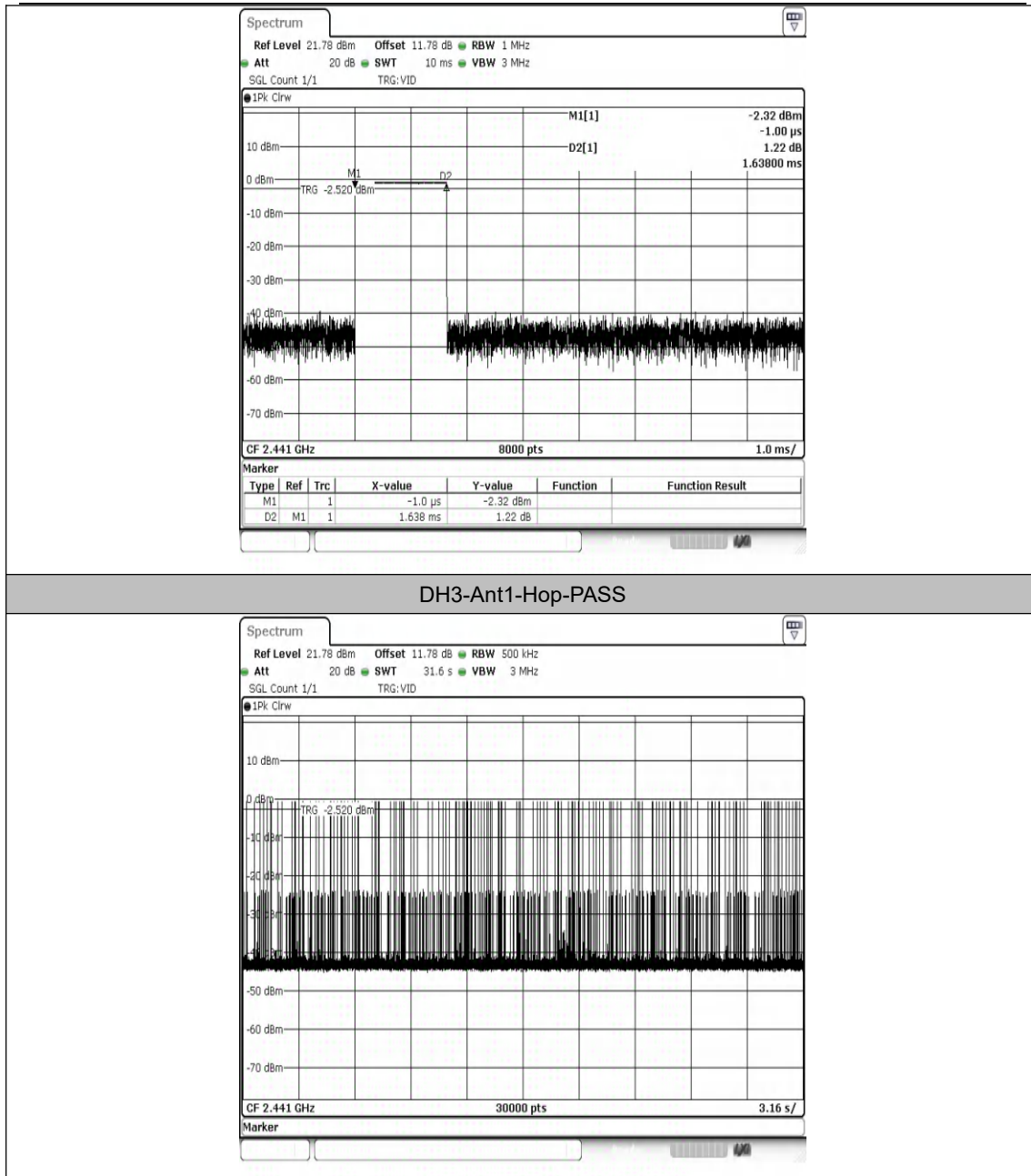
Test Graphs



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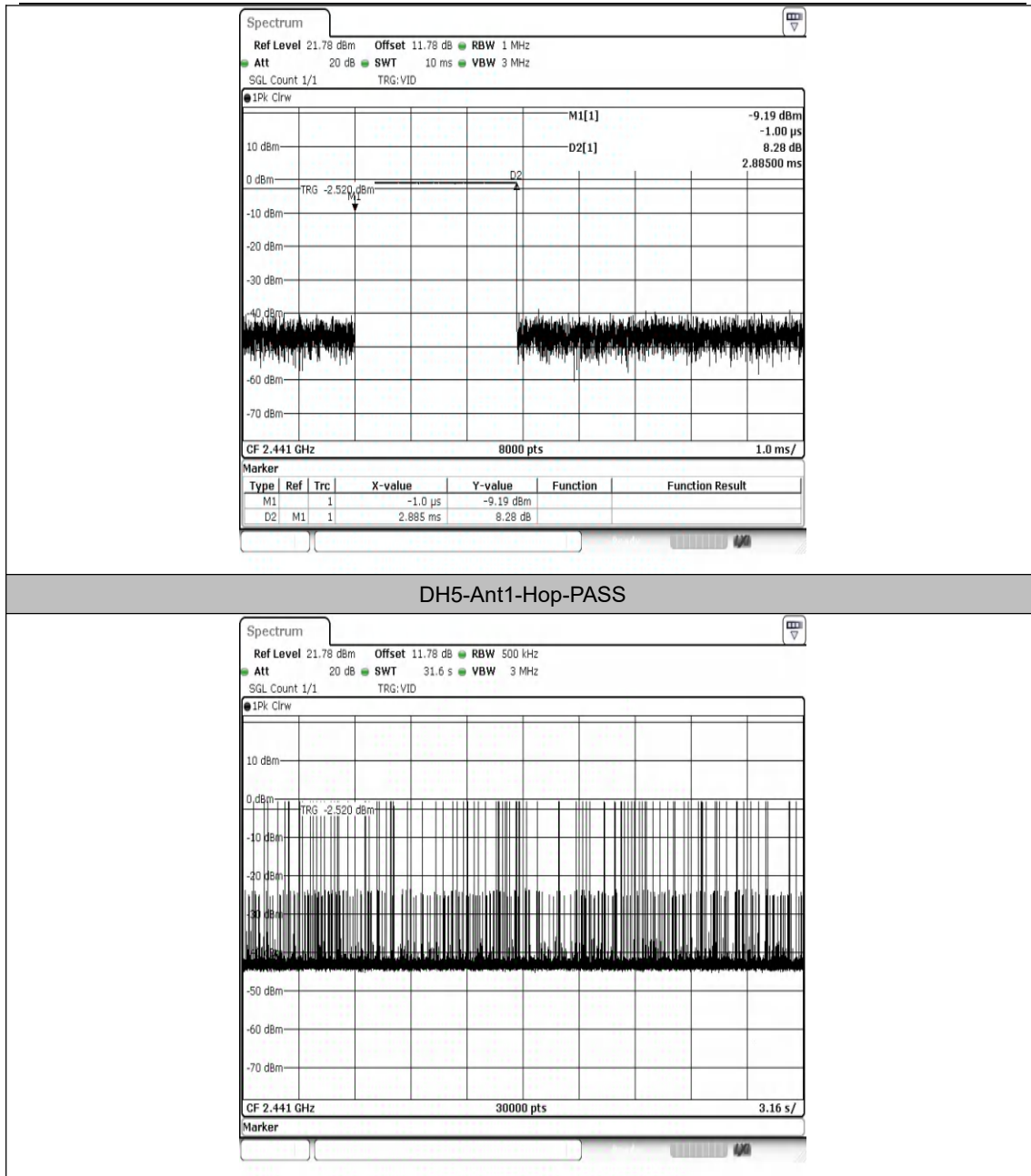
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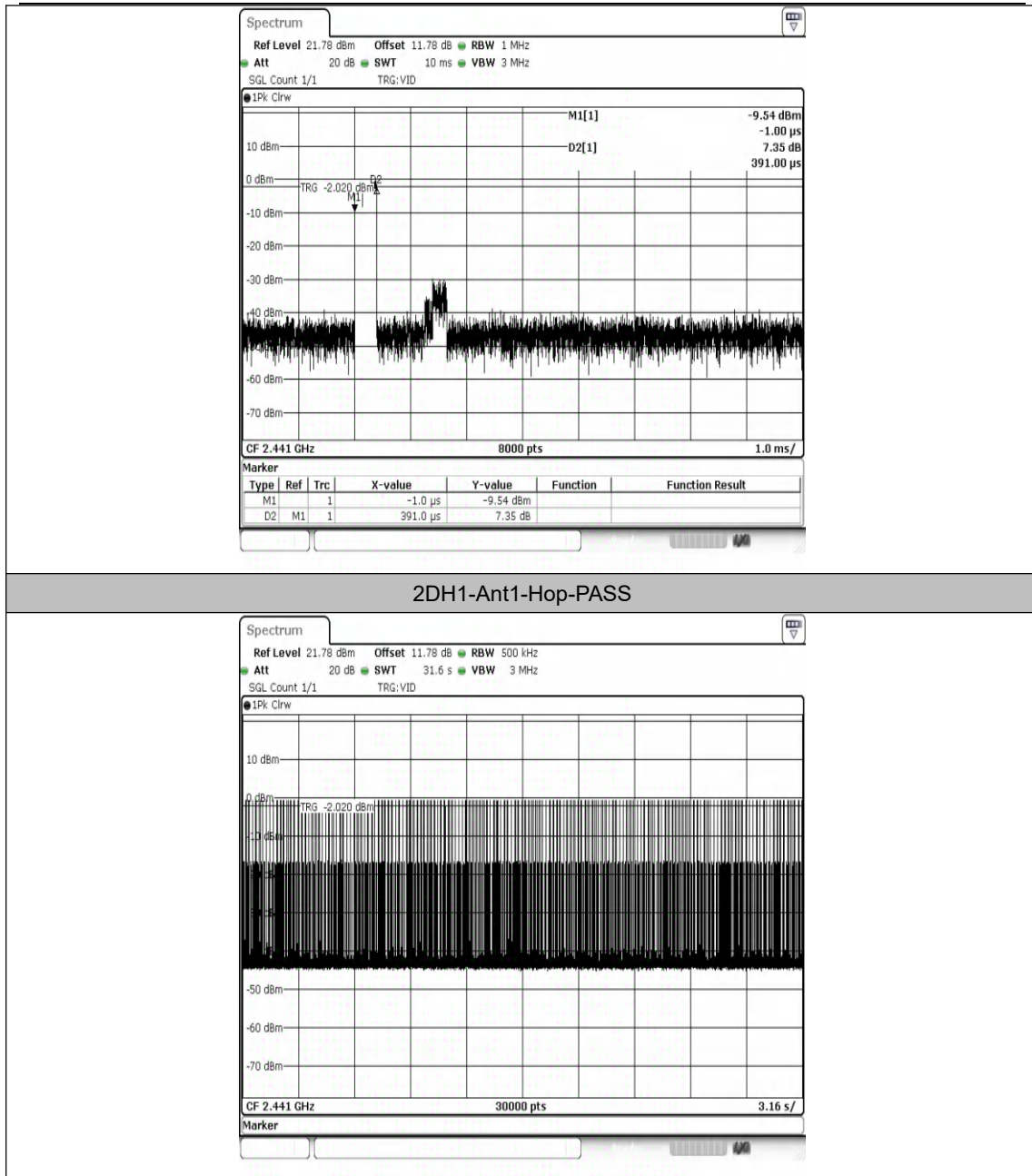
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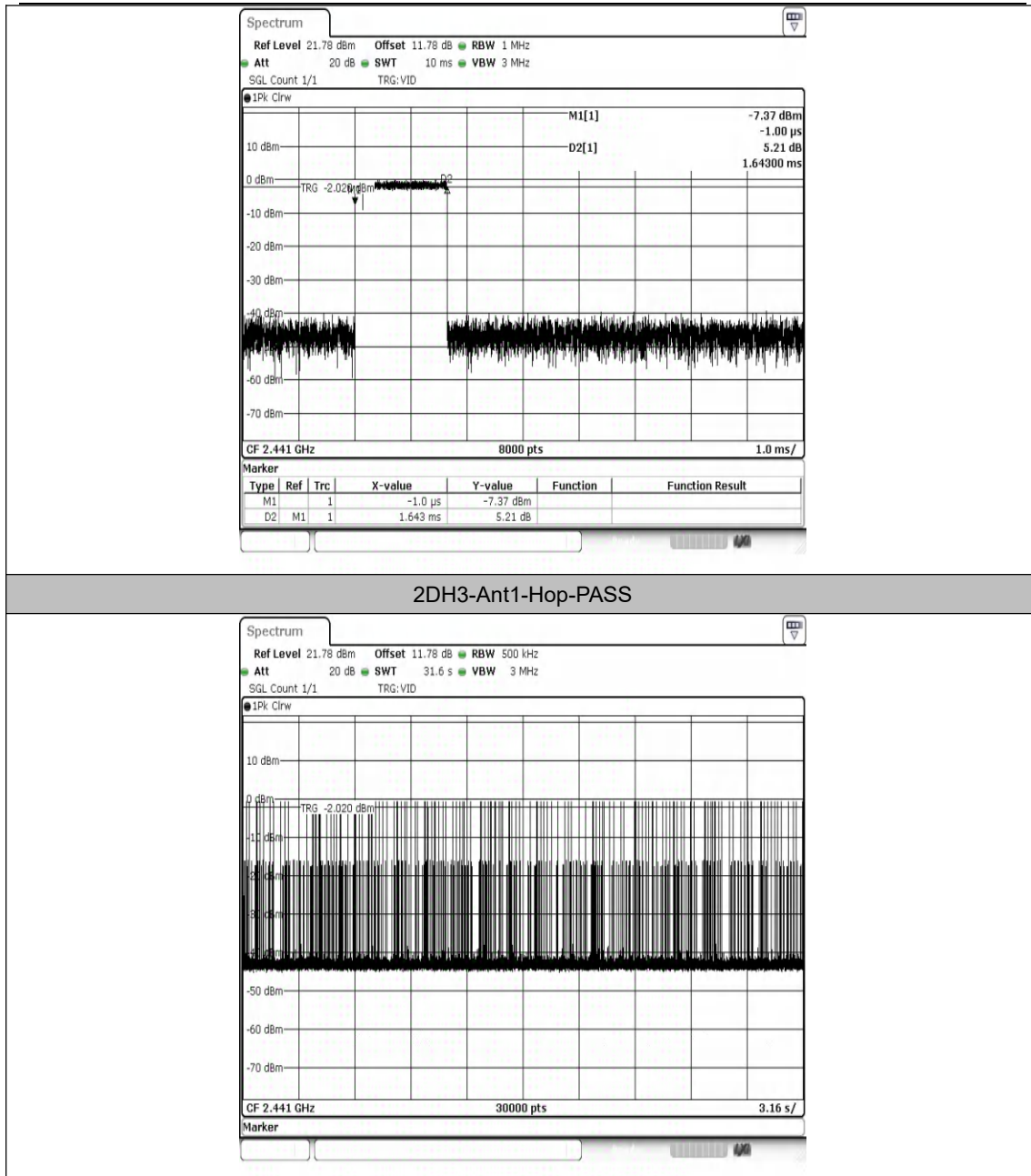
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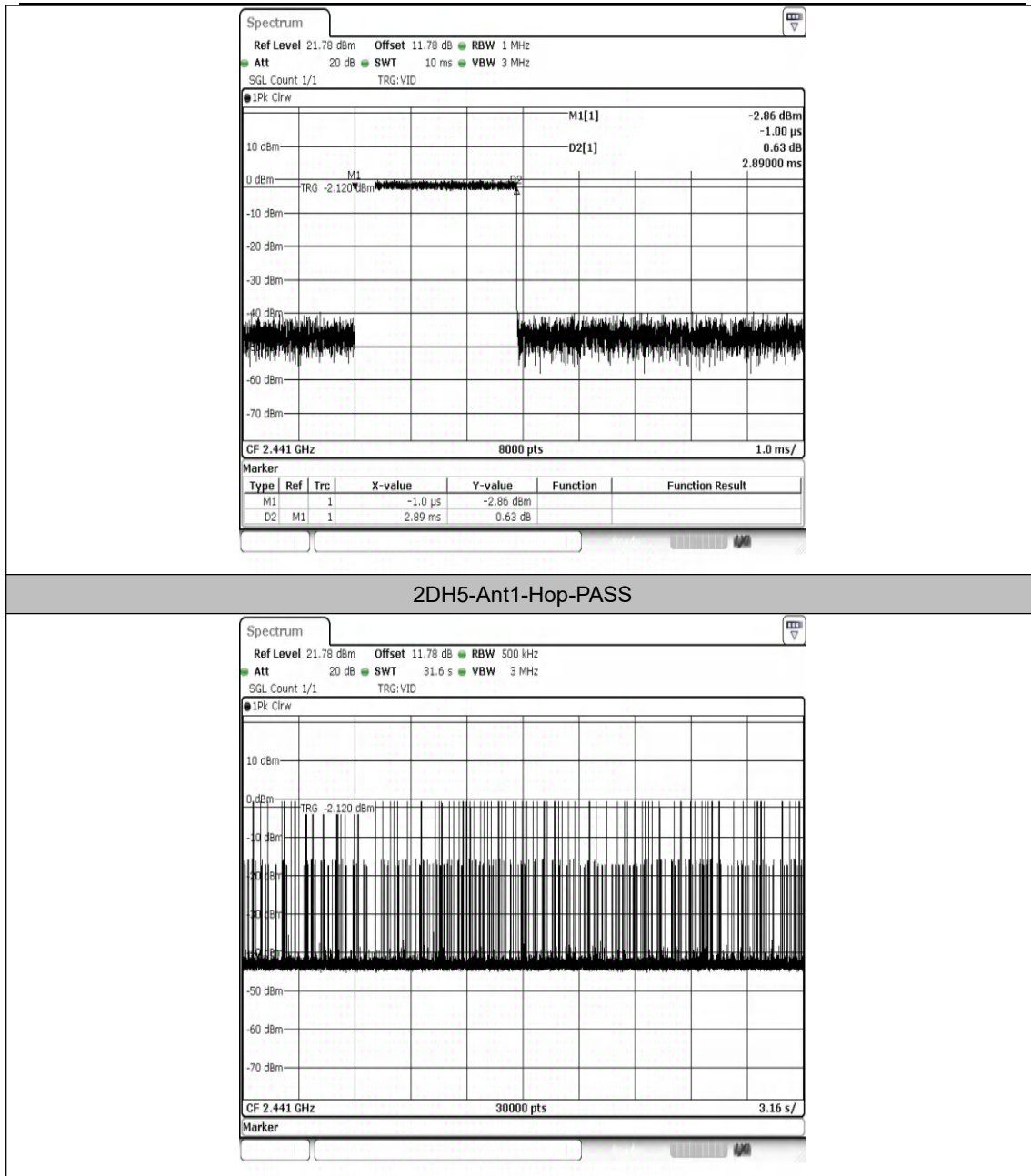
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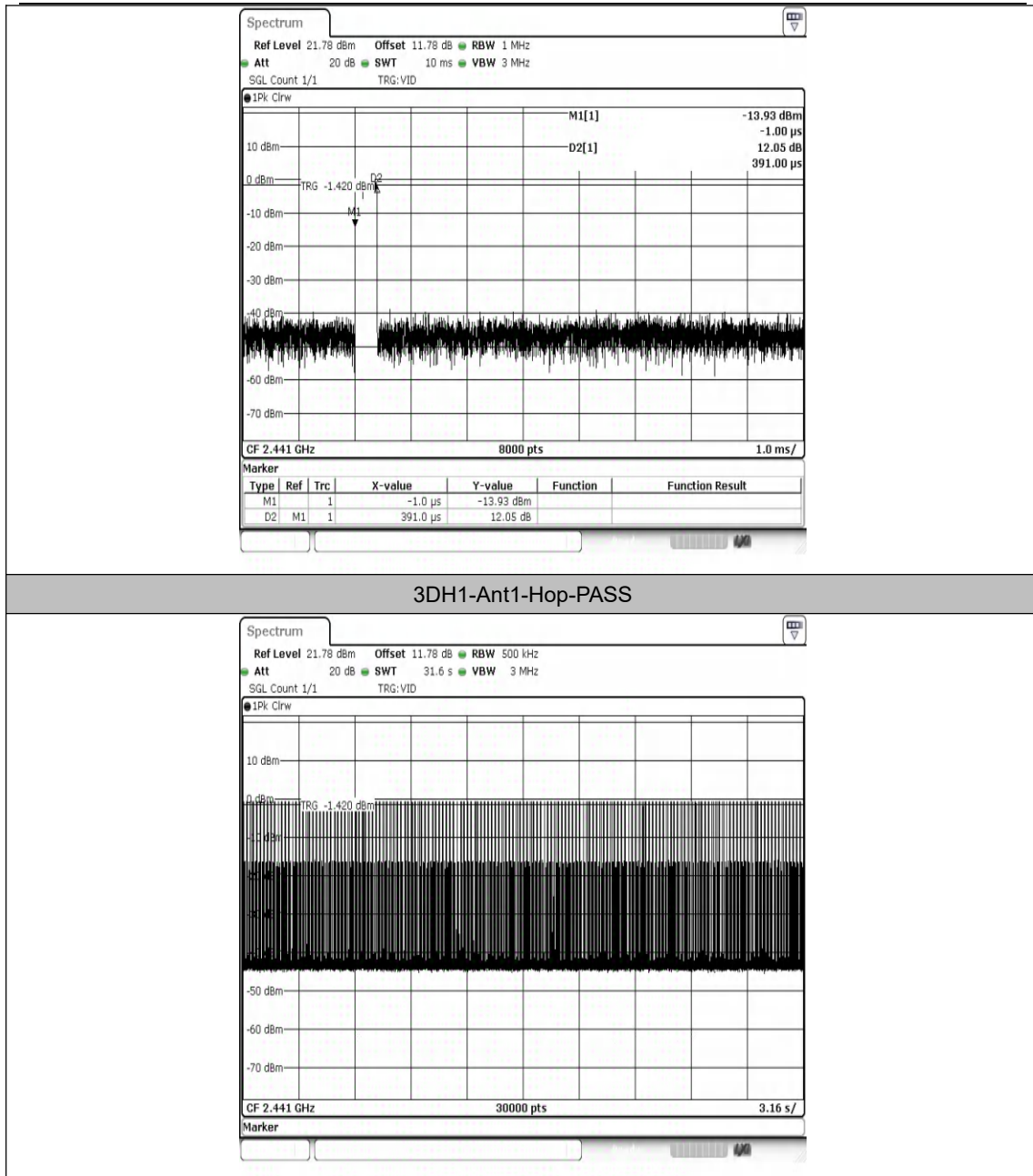


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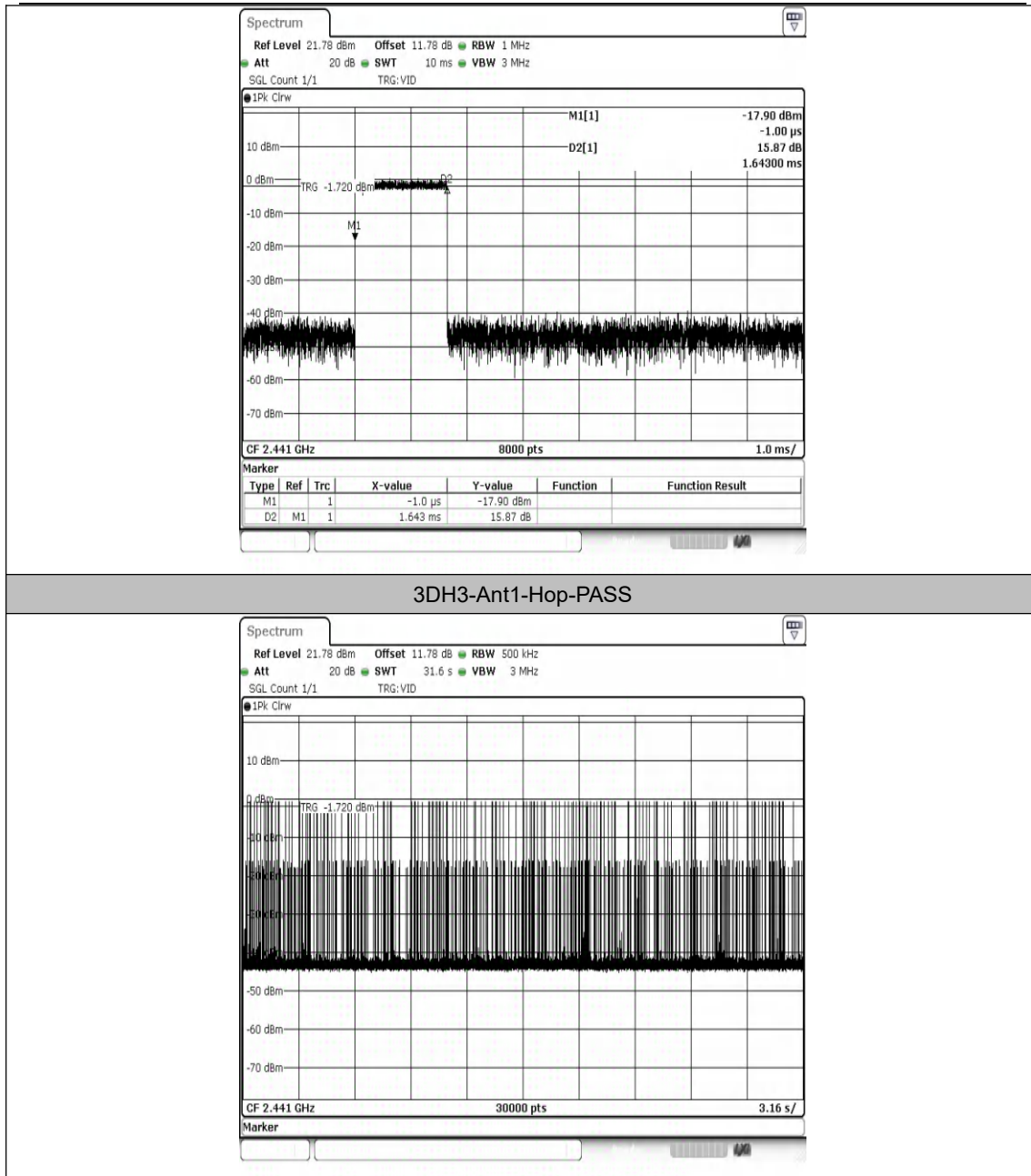




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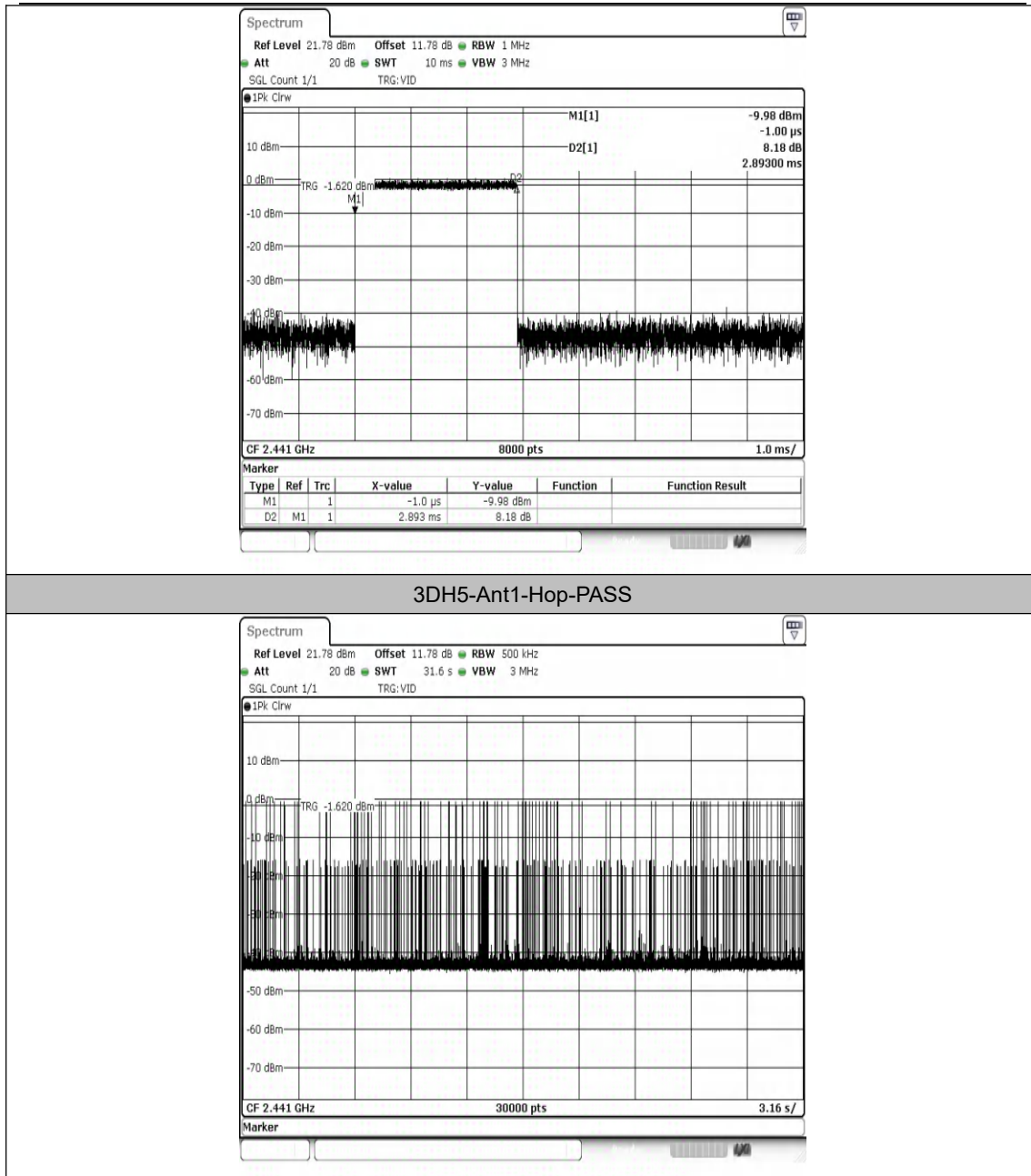
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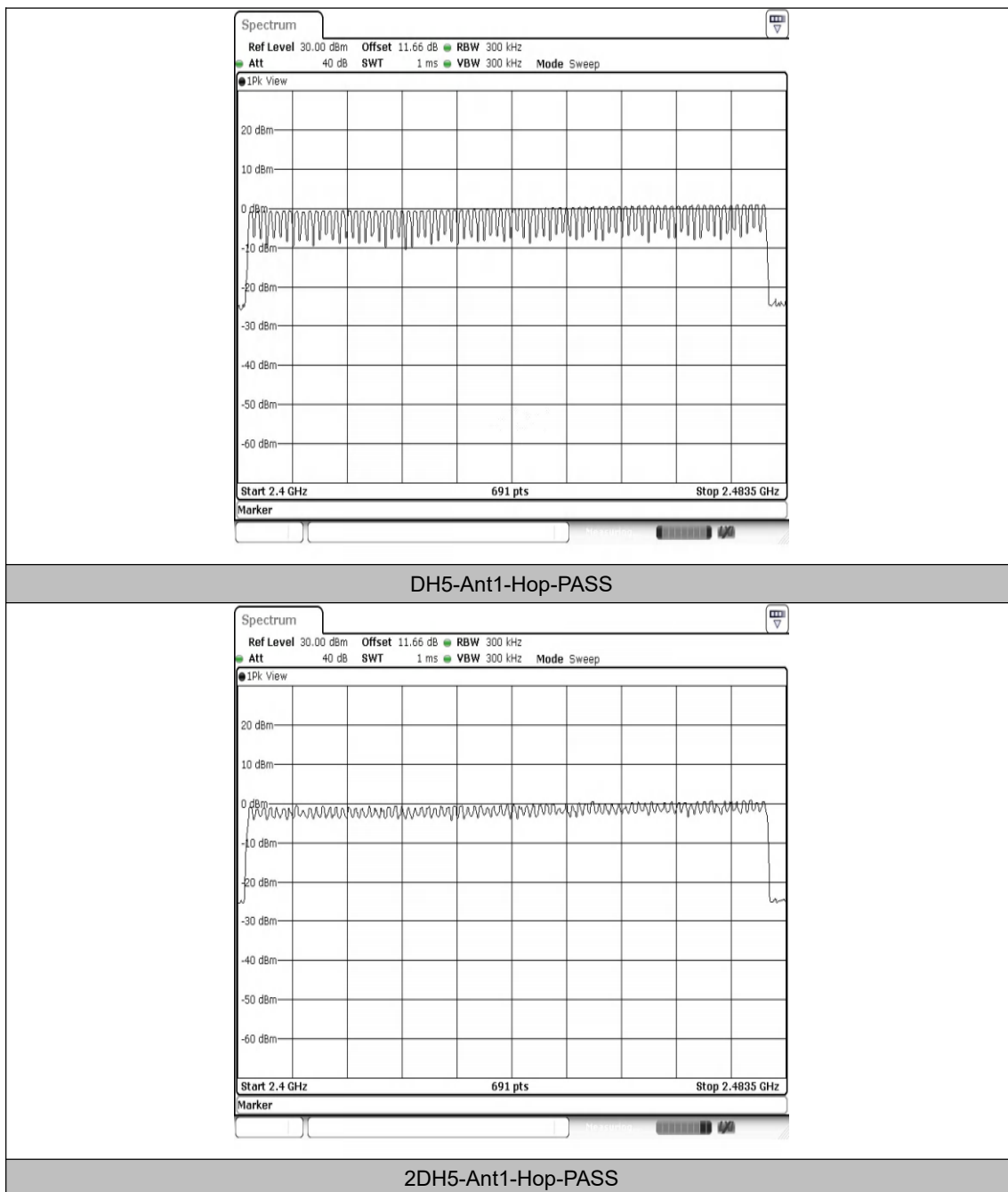
Appendix F: Number of Hopping Channel

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

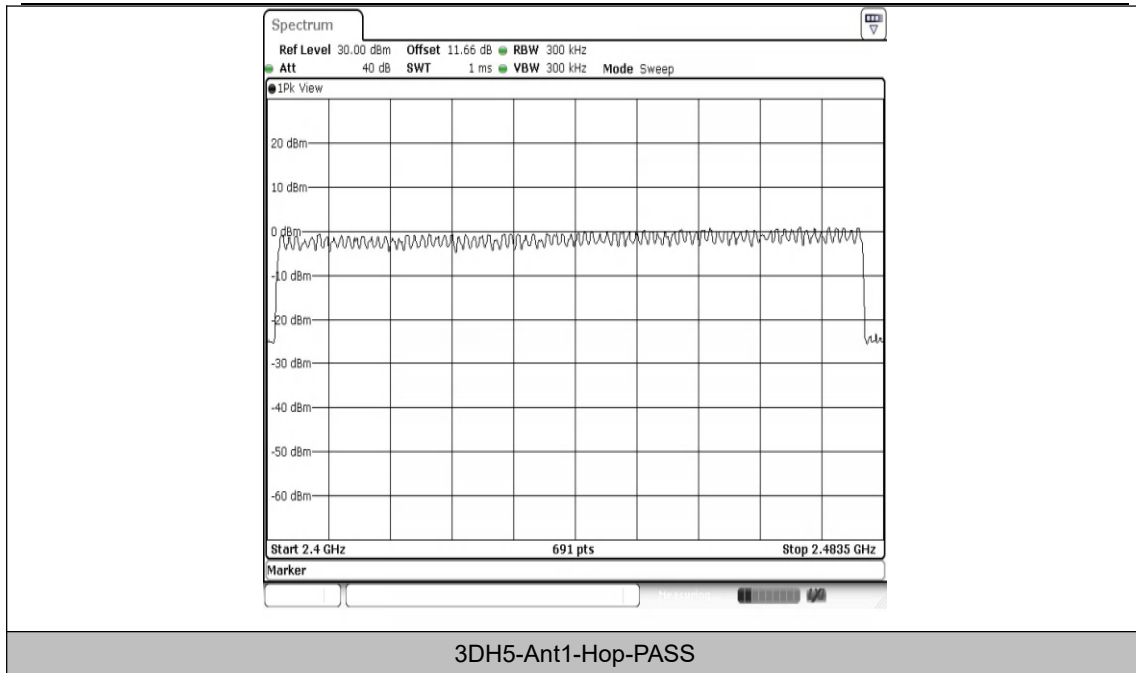


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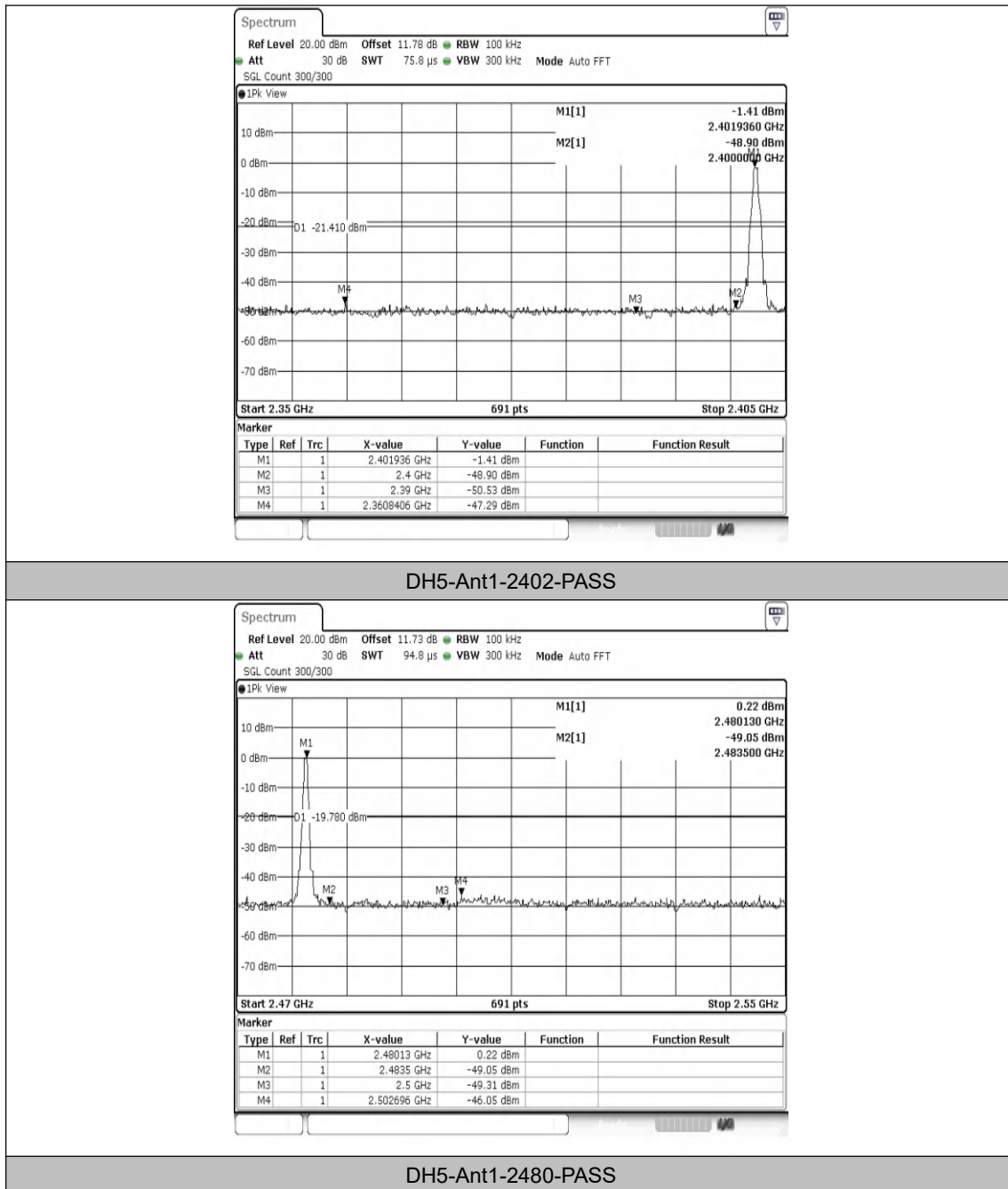
Appendix G: Conducted Band edge

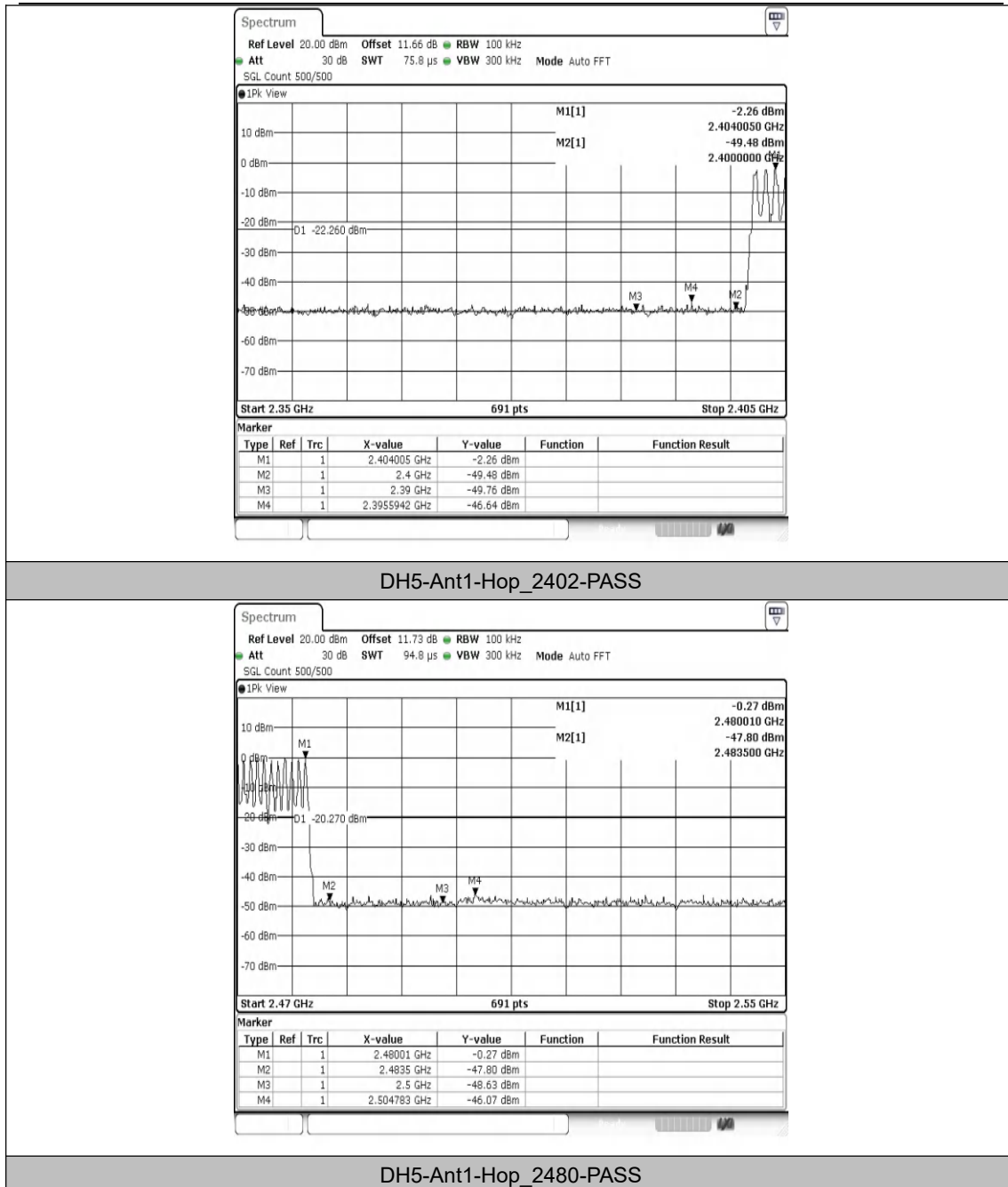
Test Result

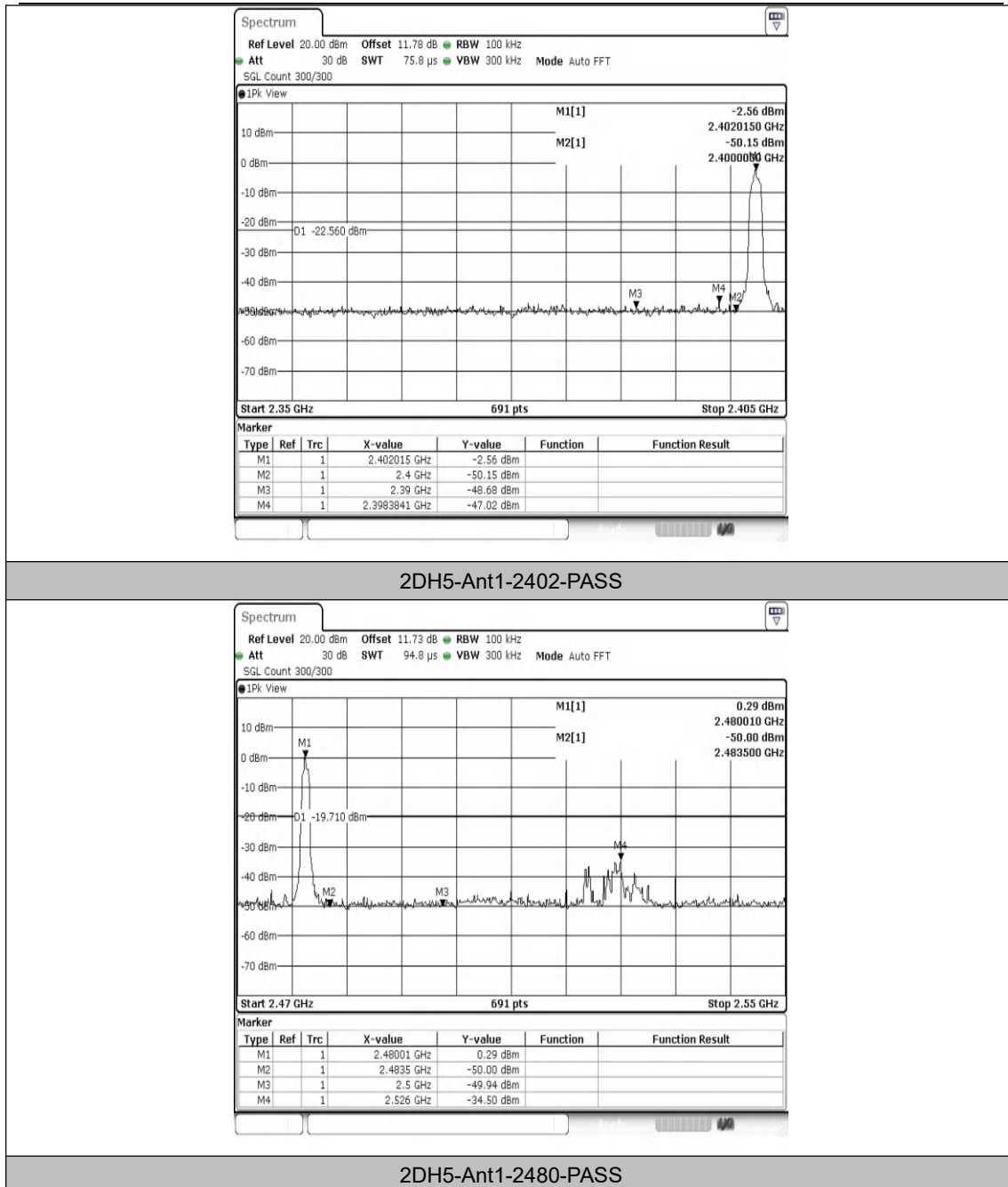
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.41	-47.29	≤-21.41	PASS
DH5	Ant1	High	2480	0.22	-46.05	≤-19.78	PASS
DH5	Ant1	Low	Hop_2402	-2.26	-46.64	≤-22.26	PASS
DH5	Ant1	High	Hop_2480	-0.27	-46.07	≤-20.27	PASS
2DH5	Ant1	Low	2402	-2.56	-47.02	≤-22.56	PASS
2DH5	Ant1	High	2480	0.29	-34.5	≤-19.71	PASS
2DH5	Ant1	Low	Hop_2402	-3.12	-47.09	≤-23.12	PASS
2DH5	Ant1	High	Hop_2480	0.24	-45.5	≤-19.76	PASS
3DH5	Ant1	Low	2402	-2.41	-47.02	≤-22.41	PASS
3DH5	Ant1	High	2480	0.36	-40.97	≤-19.64	PASS
3DH5	Ant1	Low	Hop_2402	-5.04	-46.85	≤-25.04	PASS
3DH5	Ant1	High	Hop_2480	-3.35	-46.38	≤-23.35	PASS

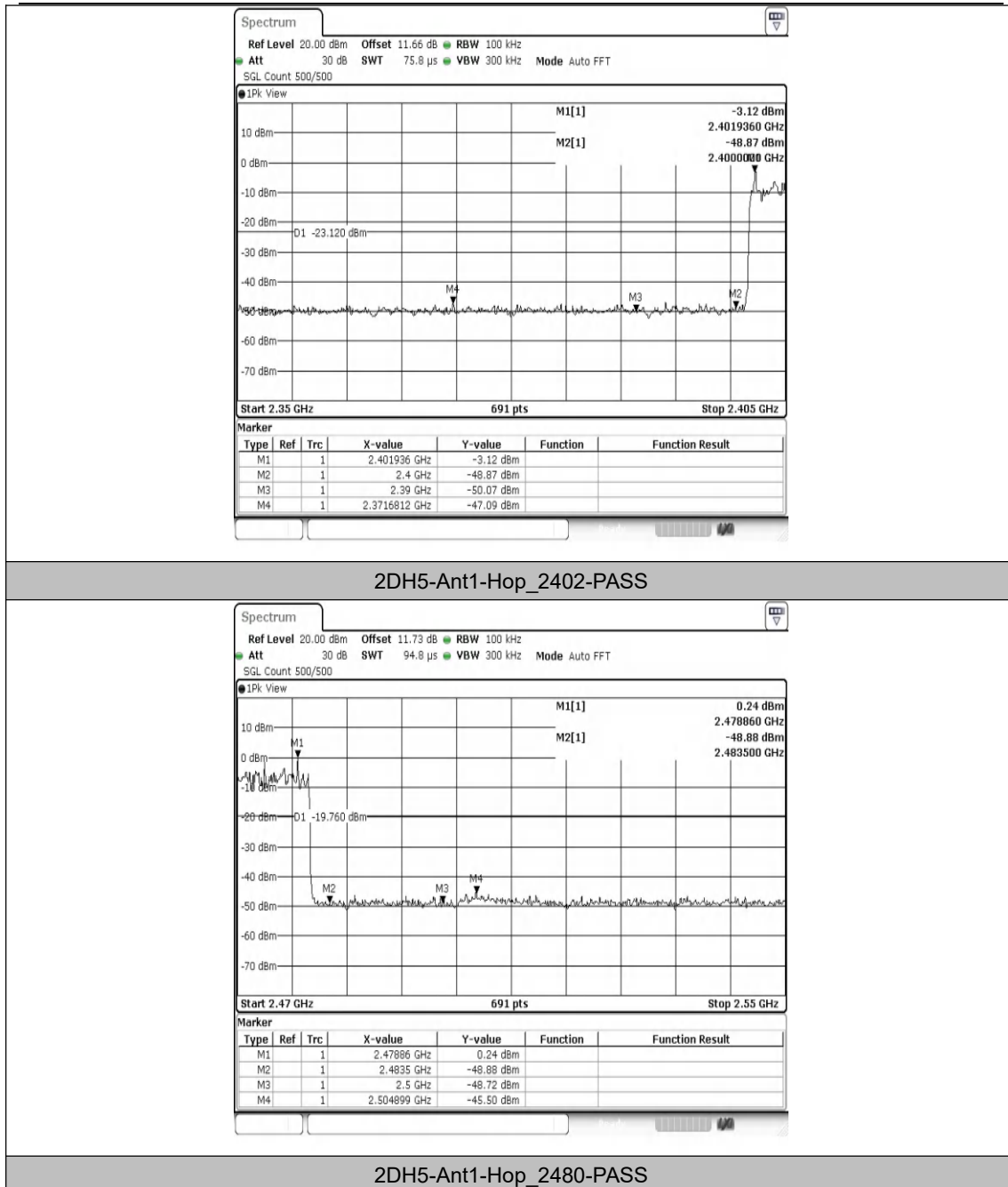


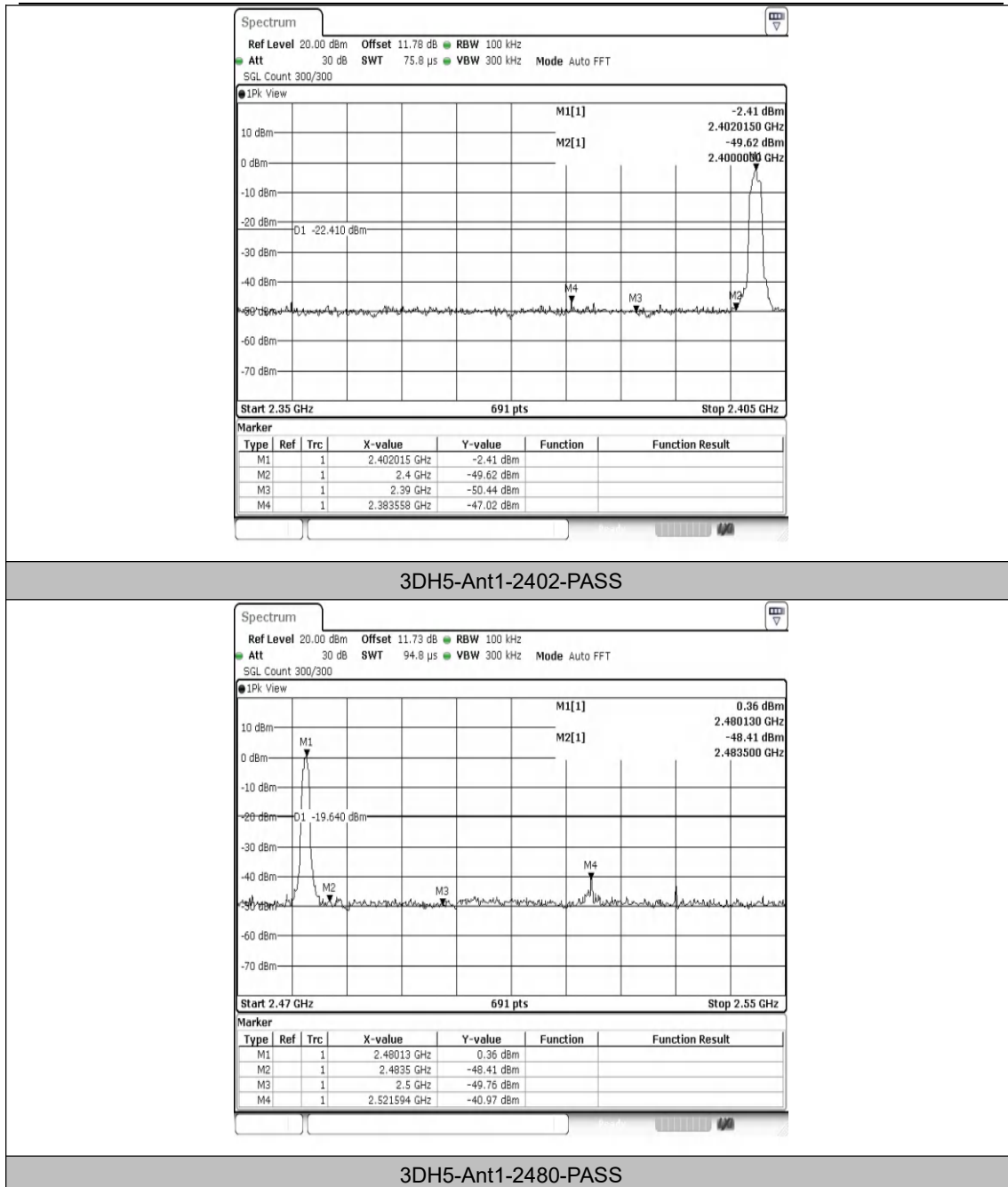
Test Graphs

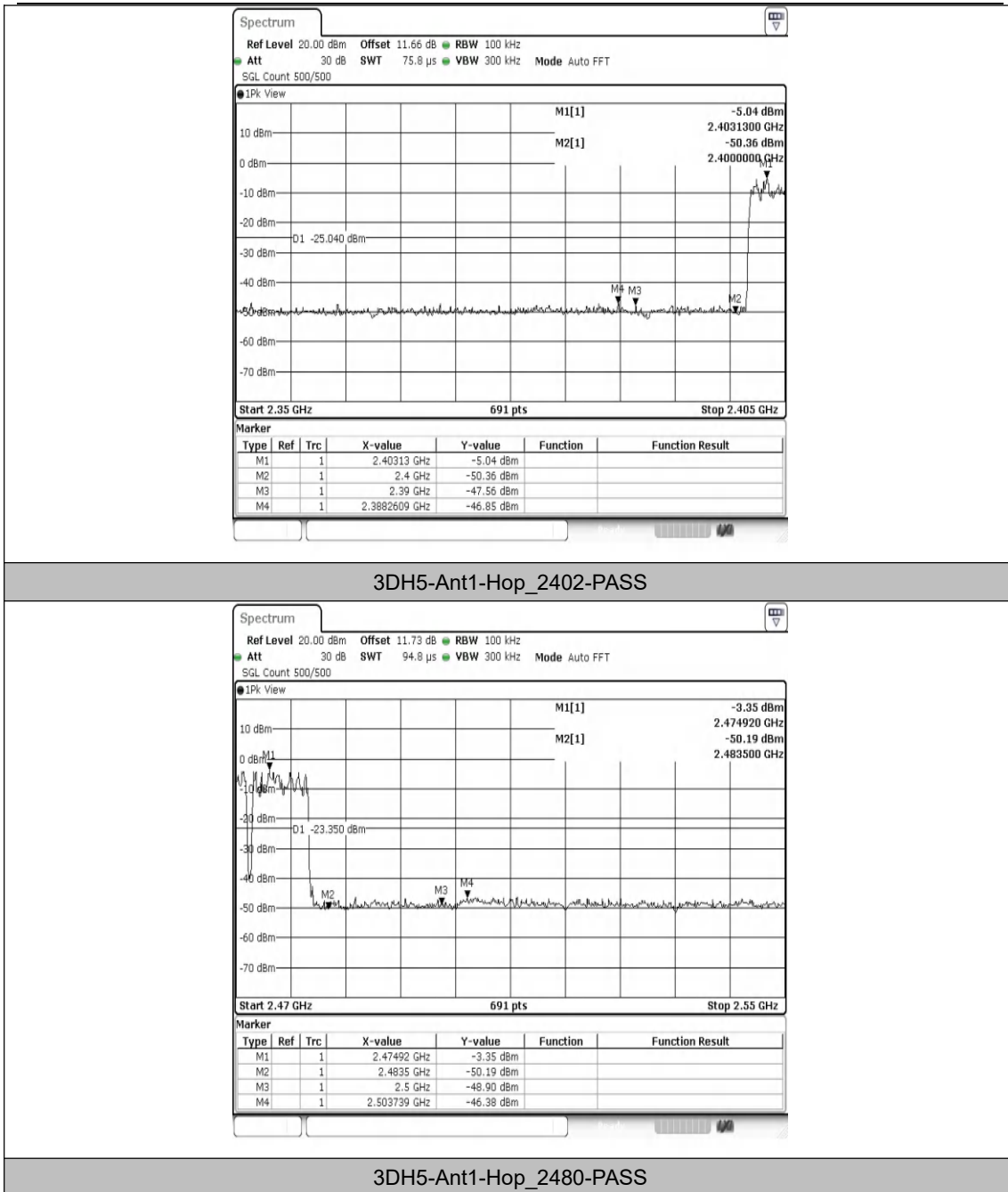












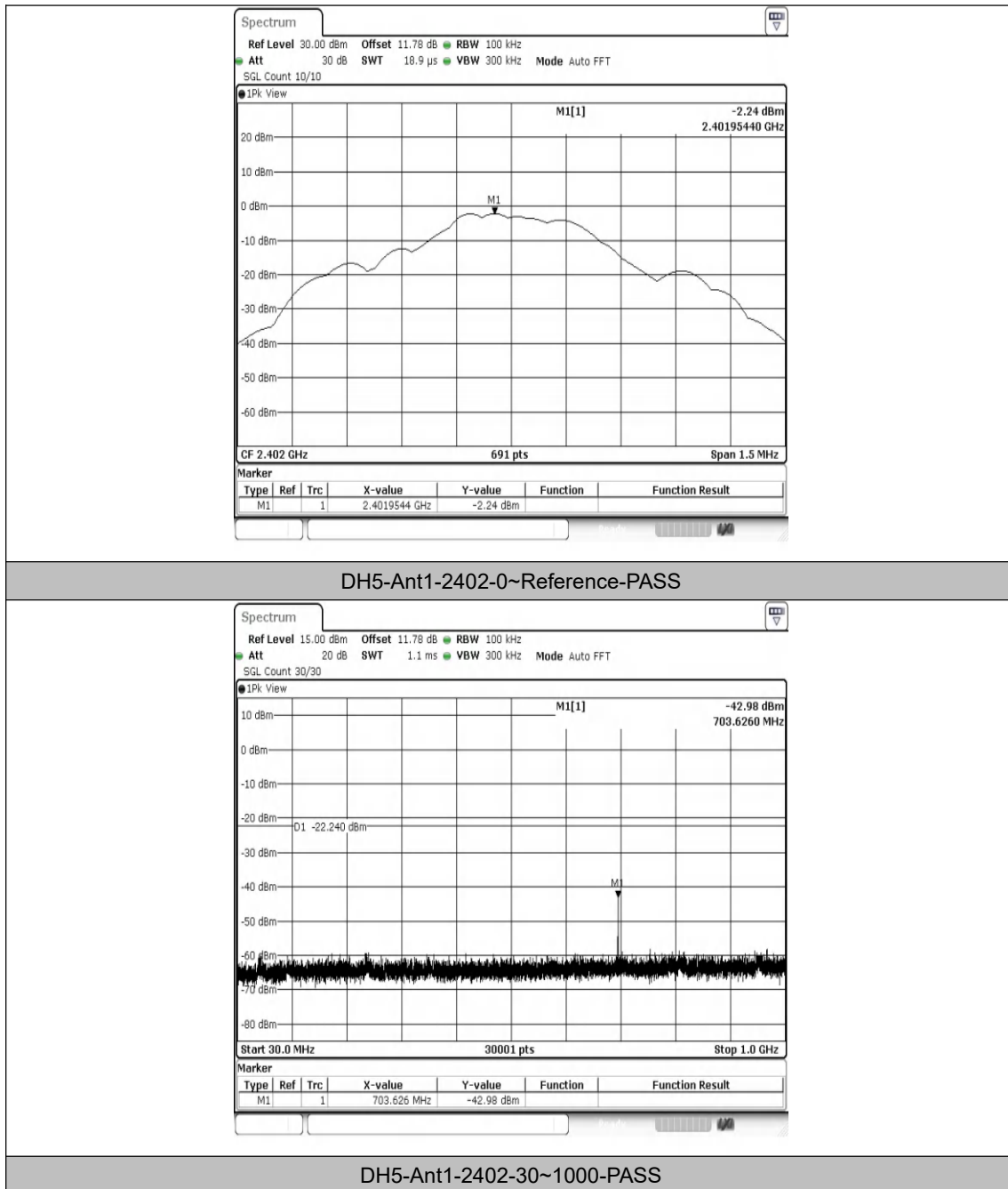
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.24	-2.24	---	PASS
DH5	Ant1	2402	30~1000	-2.24	-42.98	≤-22.24	PASS
DH5	Ant1	2402	1000~26500	-2.24	-43.87	≤-22.24	PASS
DH5	Ant1	2441	0~Reference	-1.84	-1.84	---	PASS
DH5	Ant1	2441	30~1000	-1.84	-57.19	≤-21.84	PASS
DH5	Ant1	2441	1000~26500	-1.84	-41.14	≤-21.84	PASS
DH5	Ant1	2480	0~Reference	-0.47	-0.47	---	PASS
DH5	Ant1	2480	30~1000	-0.47	-47.39	≤-20.47	PASS
DH5	Ant1	2480	1000~26500	-0.47	-43.88	≤-20.47	PASS
2DH5	Ant1	2402	0~Reference	-5.50	-5.50	---	PASS
2DH5	Ant1	2402	30~1000	-5.50	-38.62	≤-25.5	PASS
2DH5	Ant1	2402	1000~26500	-5.50	-44.28	≤-25.5	PASS
2DH5	Ant1	2441	0~Reference	-6.73	-6.73	---	PASS
2DH5	Ant1	2441	30~1000	-6.73	-57.61	≤-26.73	PASS
2DH5	Ant1	2441	1000~26500	-6.73	-43.82	≤-26.73	PASS
2DH5	Ant1	2480	0~Reference	-1.31	-1.31	---	PASS
2DH5	Ant1	2480	30~1000	-1.31	-58.16	≤-21.31	PASS
2DH5	Ant1	2480	1000~26500	-1.31	-39.61	≤-21.31	PASS
3DH5	Ant1	2402	0~Reference	-6.42	-6.42	---	PASS
3DH5	Ant1	2402	30~1000	-6.42	-57.4	≤-26.42	PASS
3DH5	Ant1	2402	1000~26500	-6.42	-43.19	≤-26.42	PASS
3DH5	Ant1	2441	0~Reference	-4.60	-4.60	---	PASS
3DH5	Ant1	2441	30~1000	-4.60	-57.82	≤-24.6	PASS
3DH5	Ant1	2441	1000~26500	-4.60	-44.11	≤-24.6	PASS
3DH5	Ant1	2480	0~Reference	-0.01	-0.01	---	PASS
3DH5	Ant1	2480	30~1000	-0.01	-57.32	≤-20.01	PASS
3DH5	Ant1	2480	1000~26500	-0.01	-43.97	≤-20.01	PASS



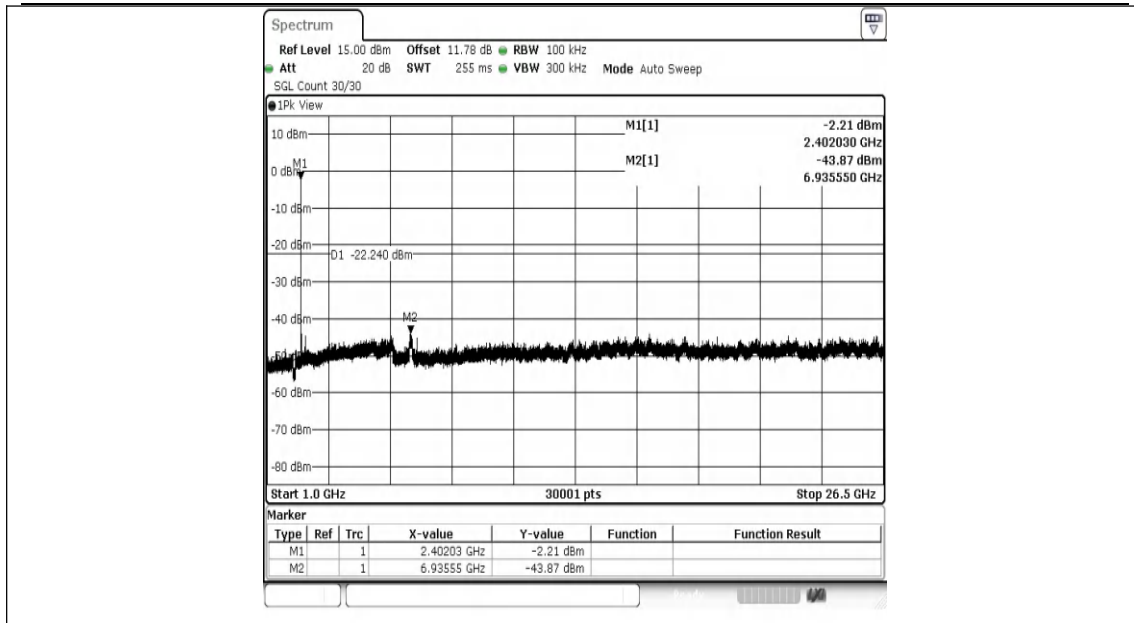
Test Graphs



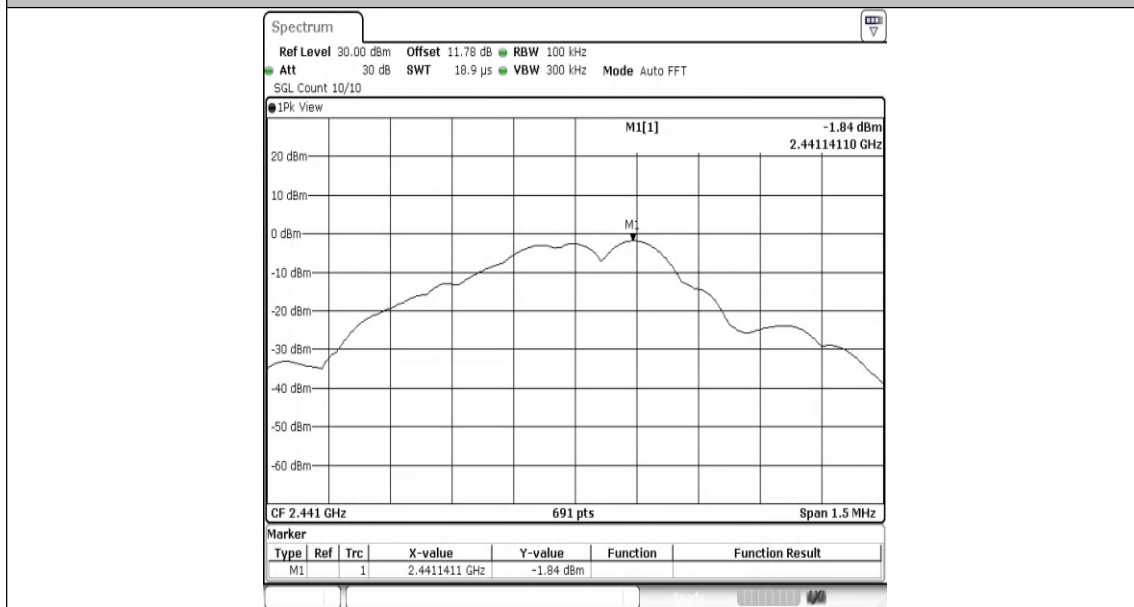
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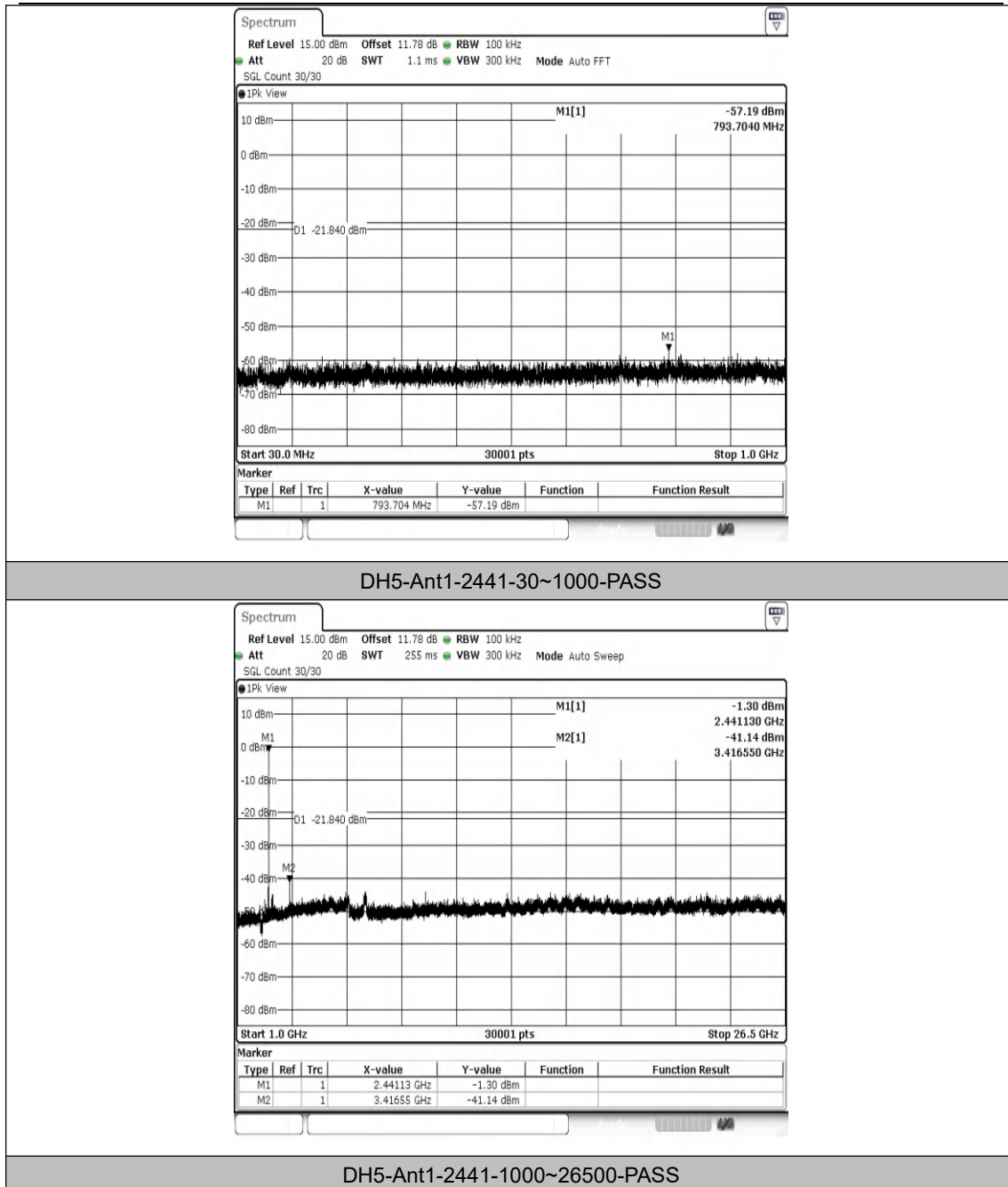
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DH5-Ant1-2402-1000~26500-PASS



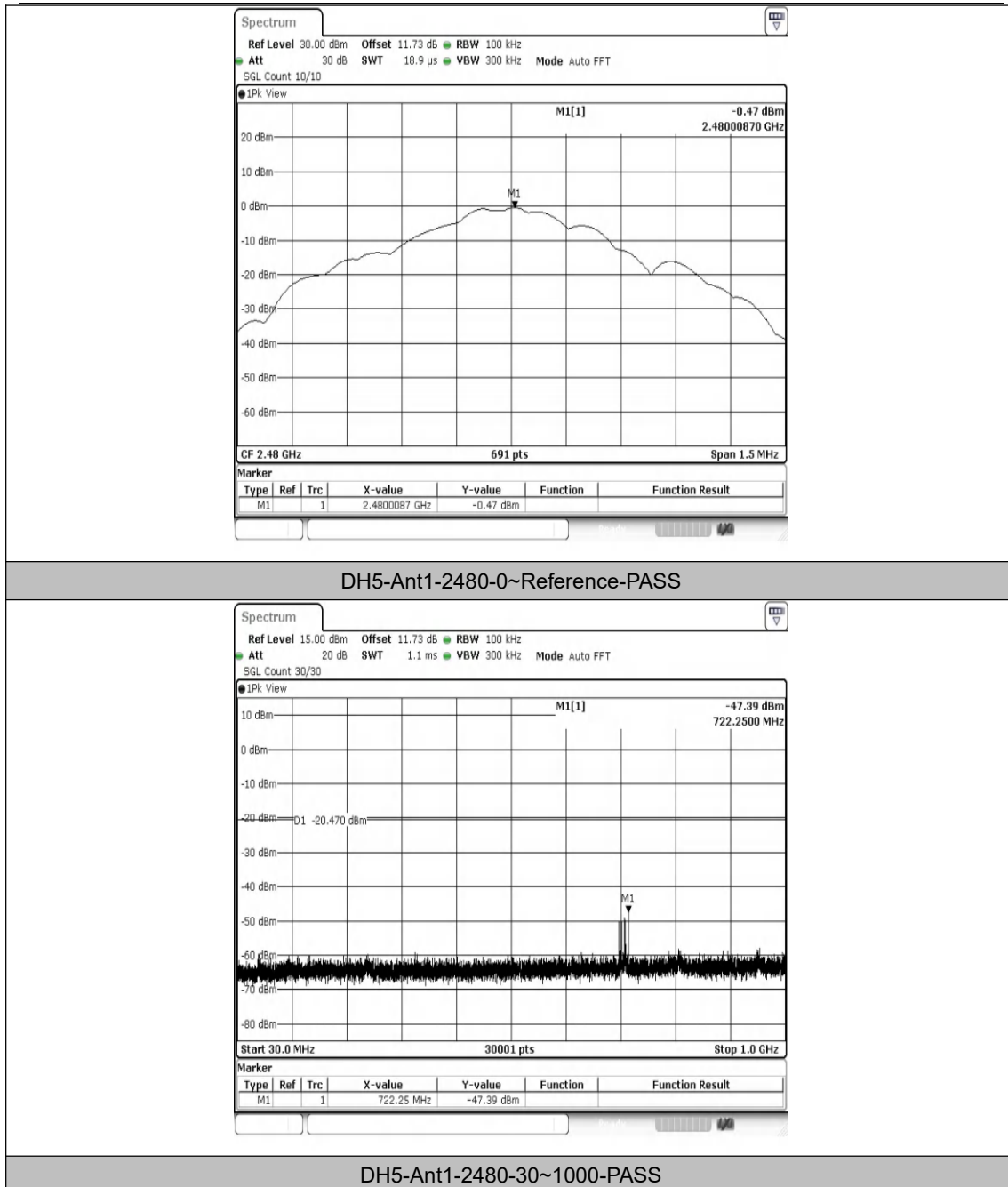
DH5-Ant1-2441-0~Reference-PASS

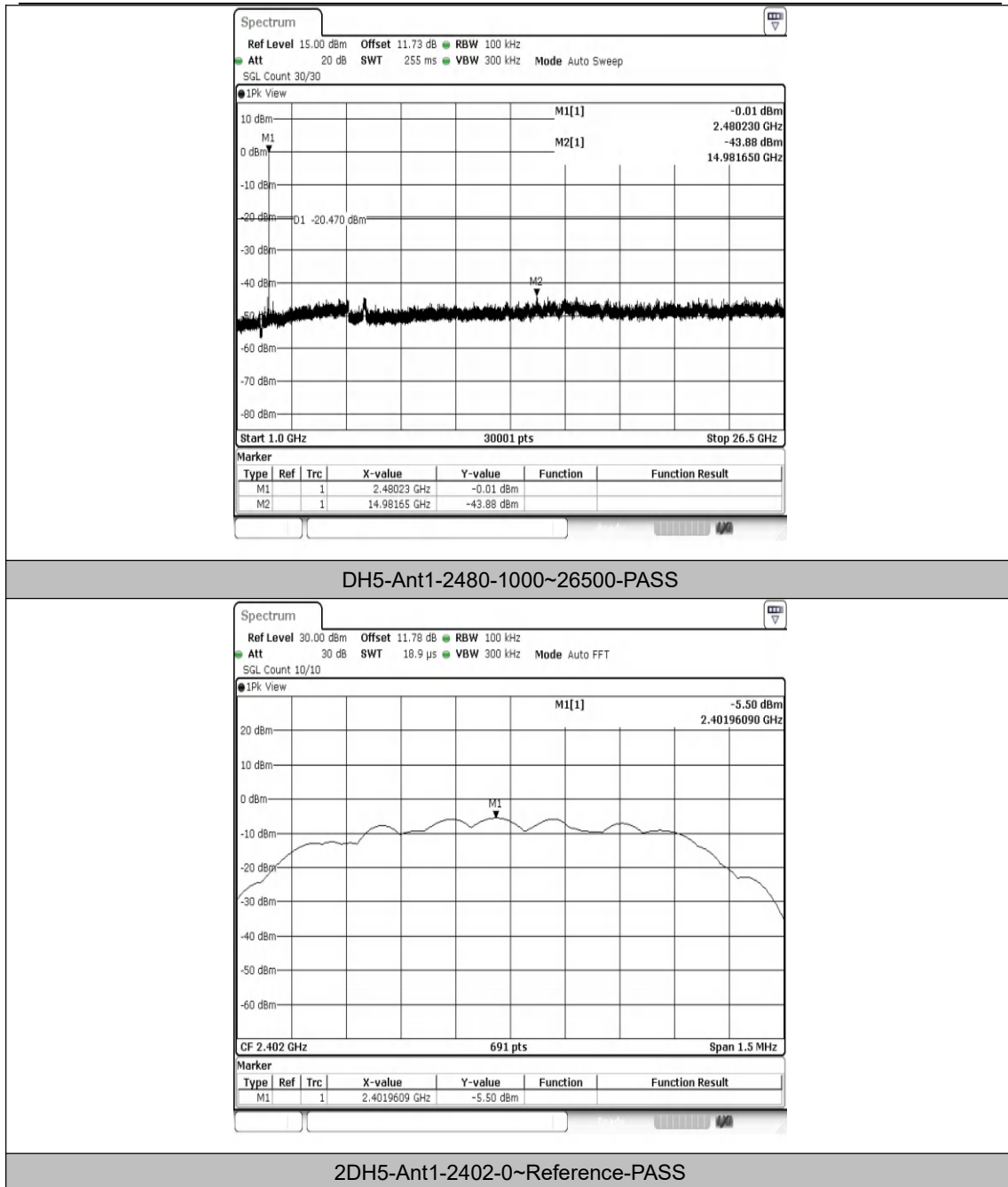


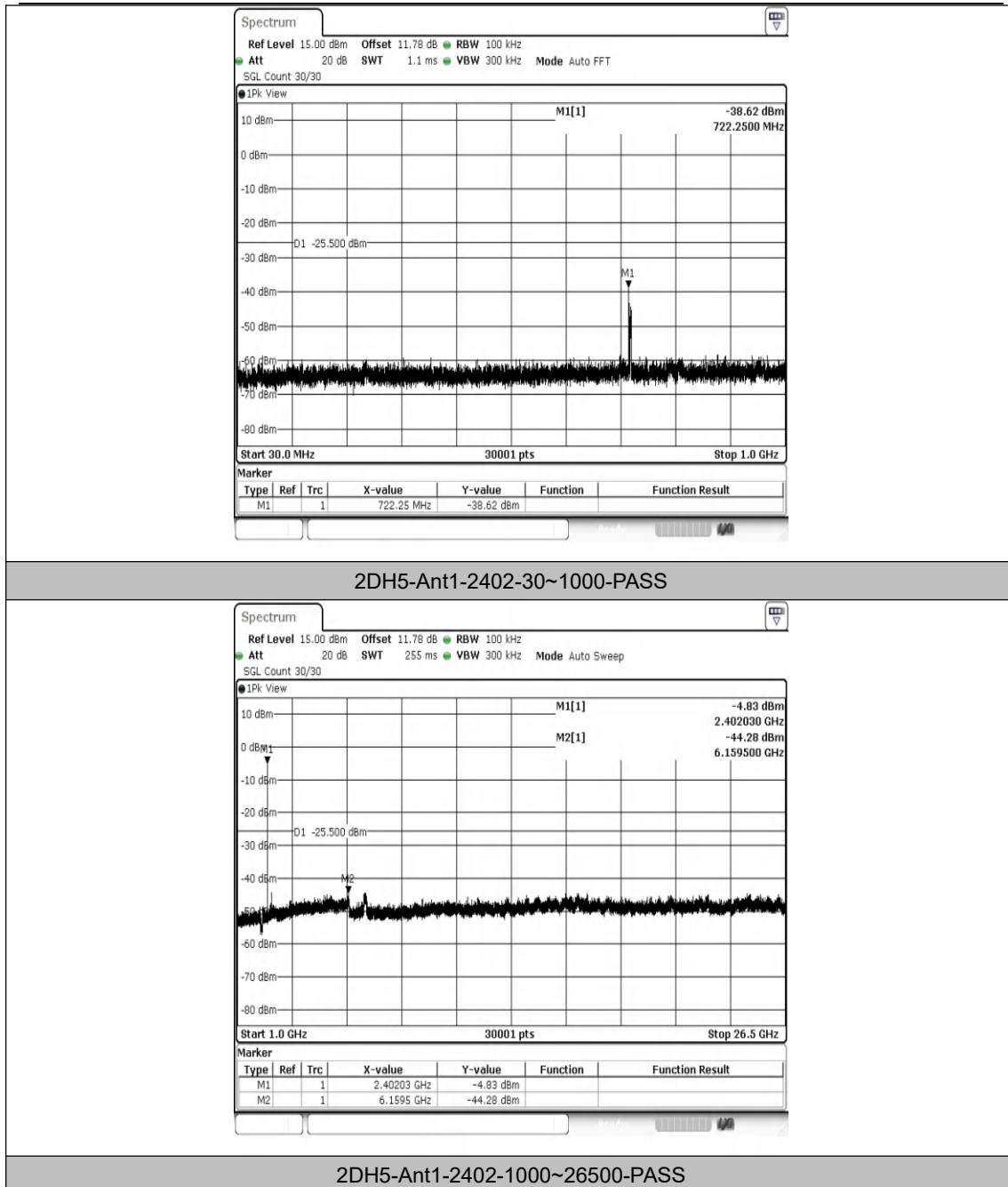
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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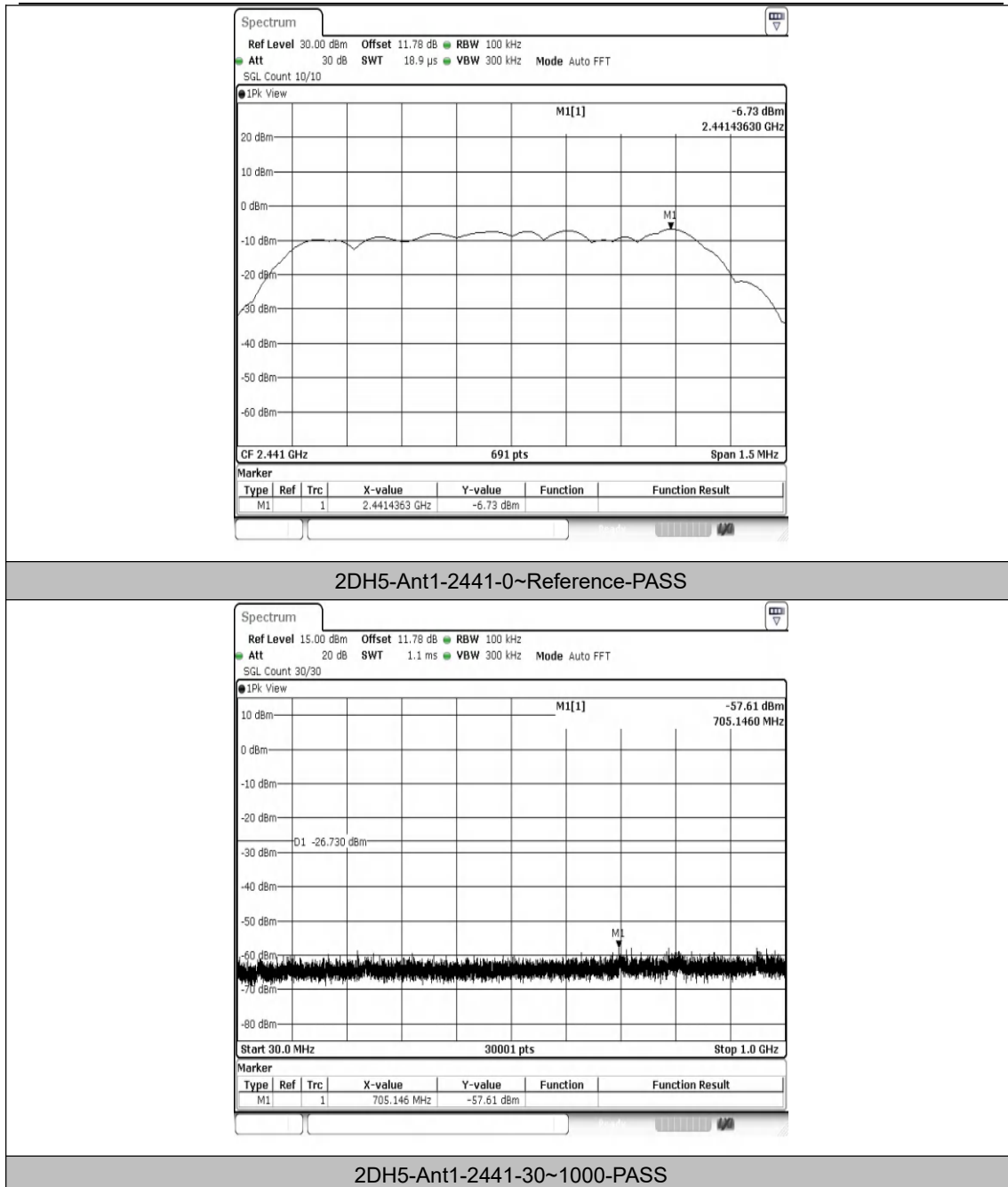


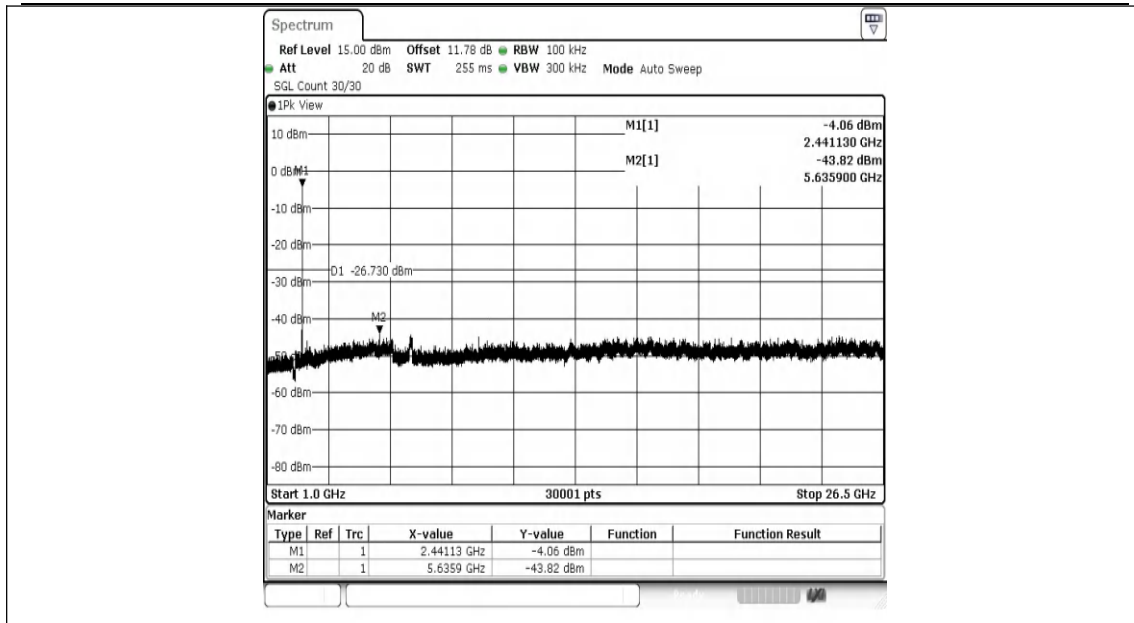


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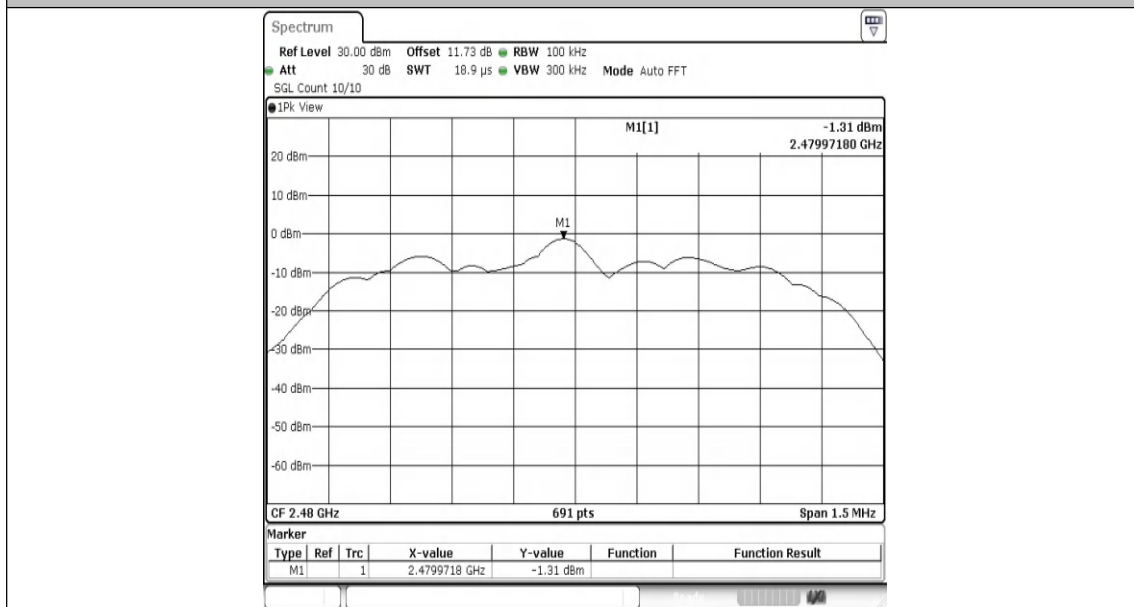
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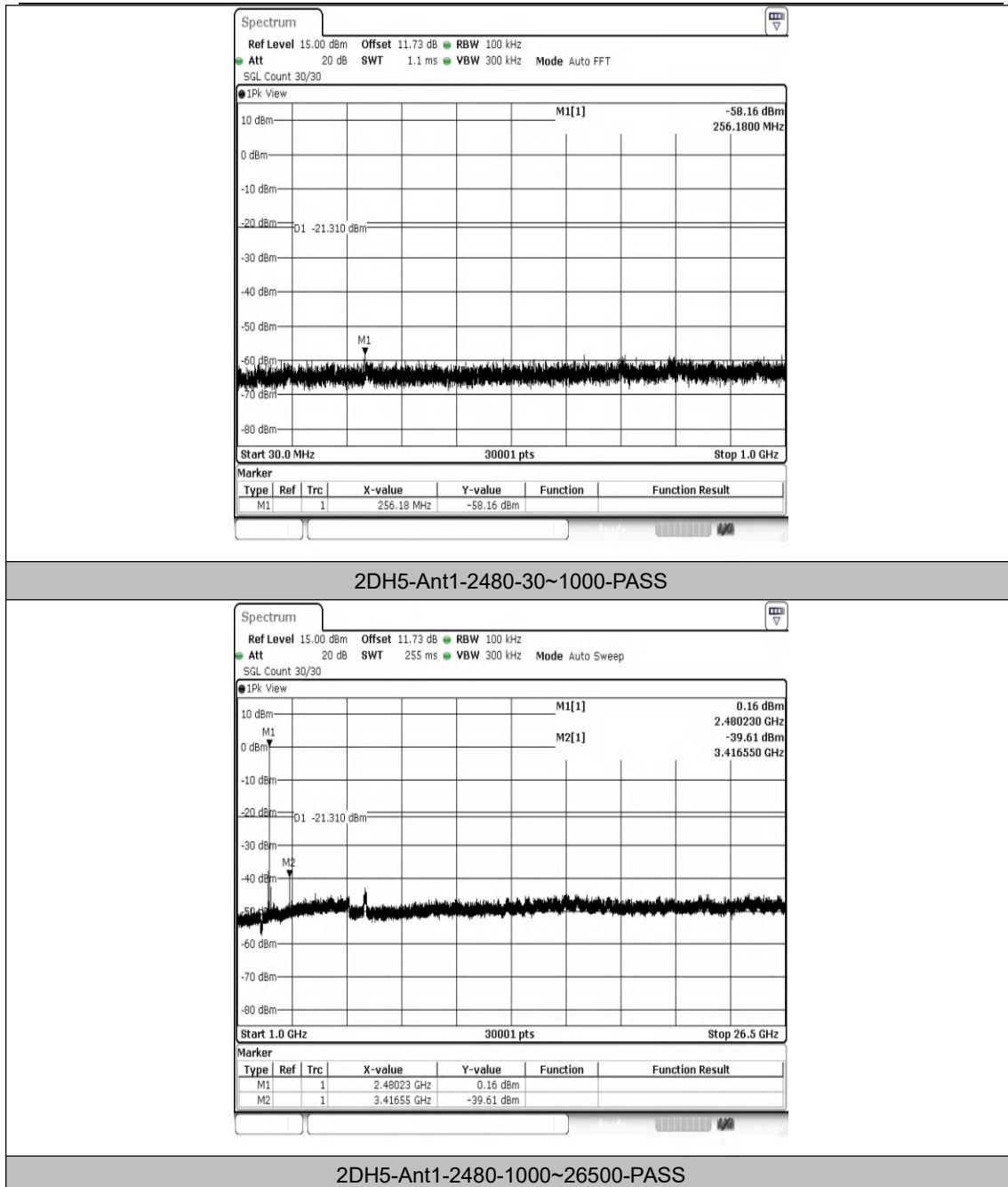


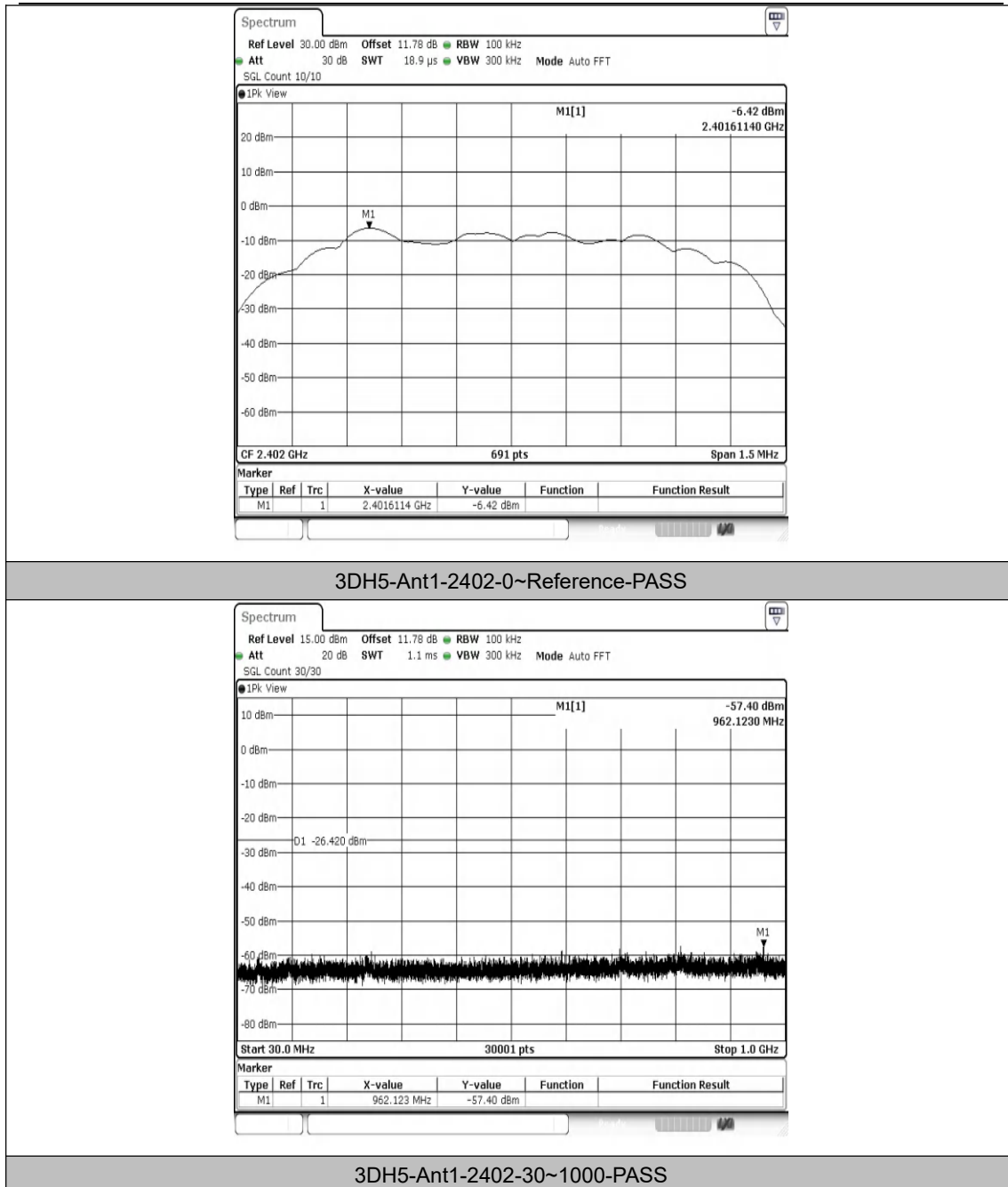


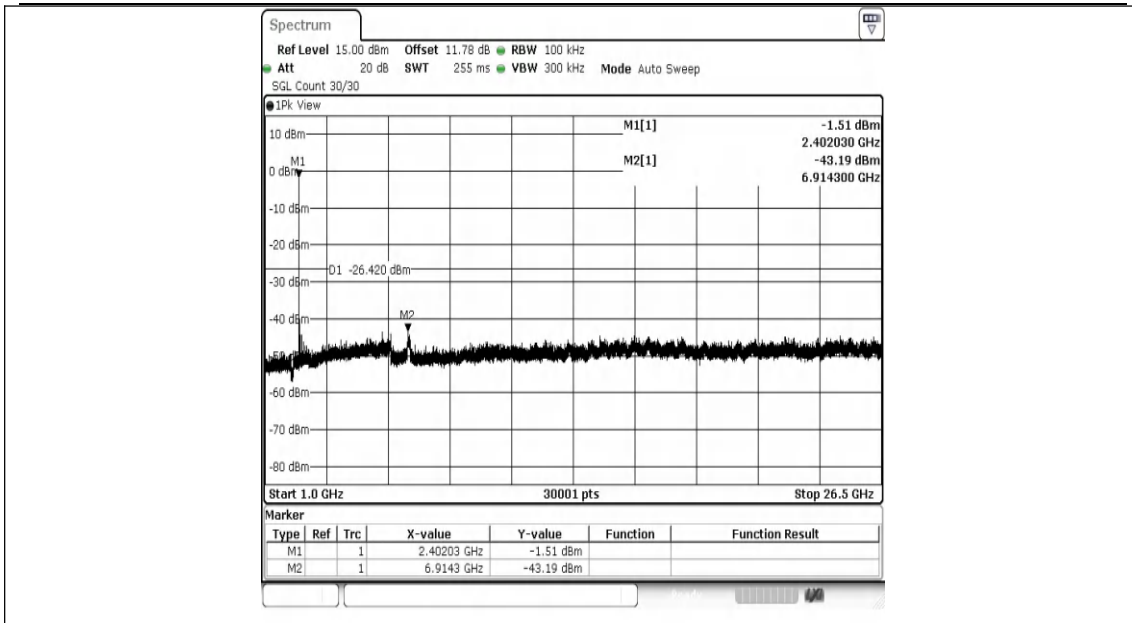
2DH5-Ant1-2441-1000~26500-PASS



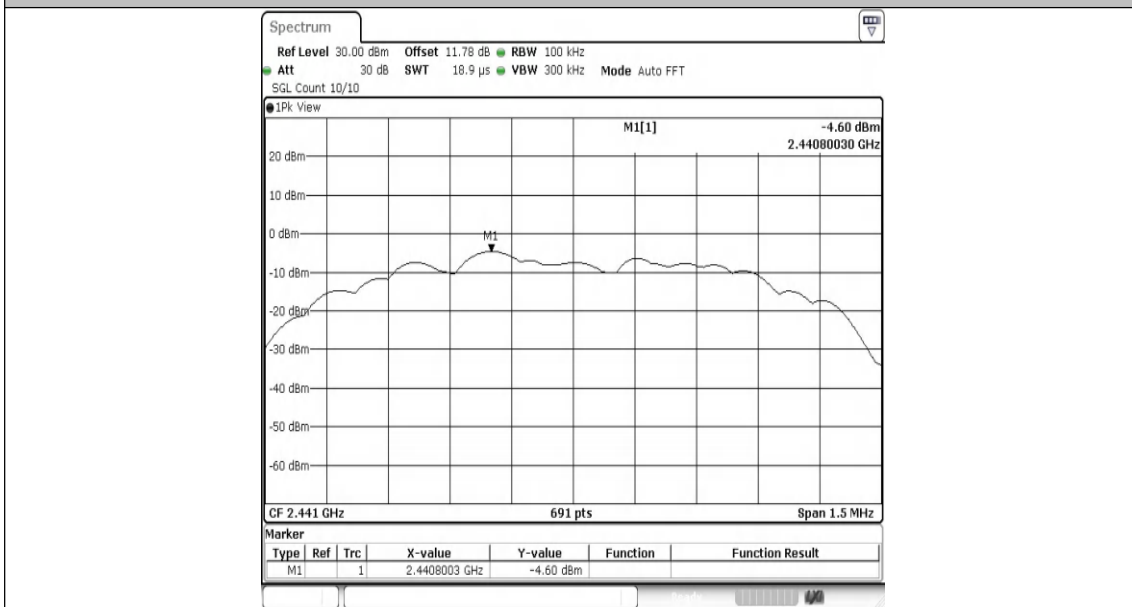
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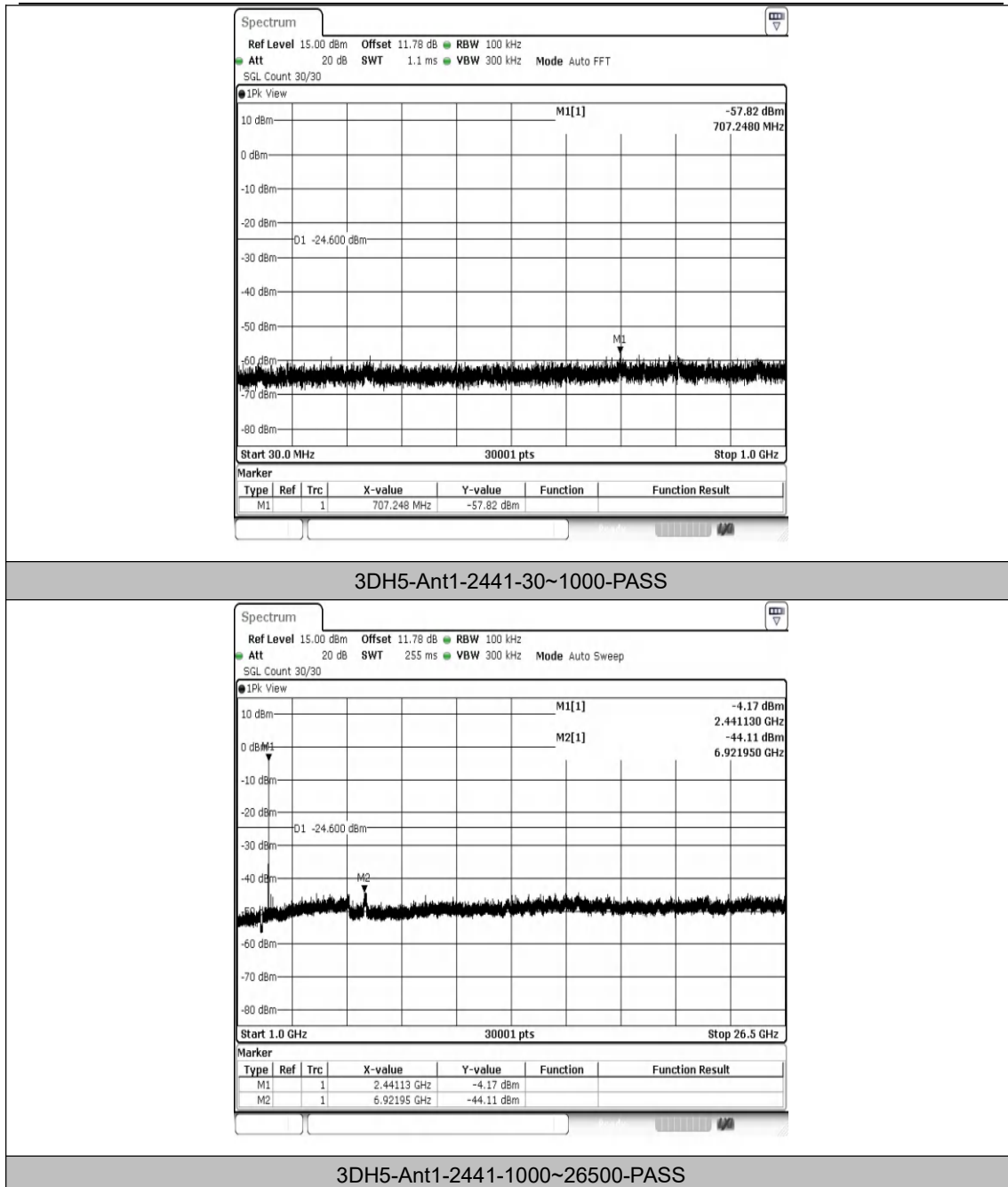


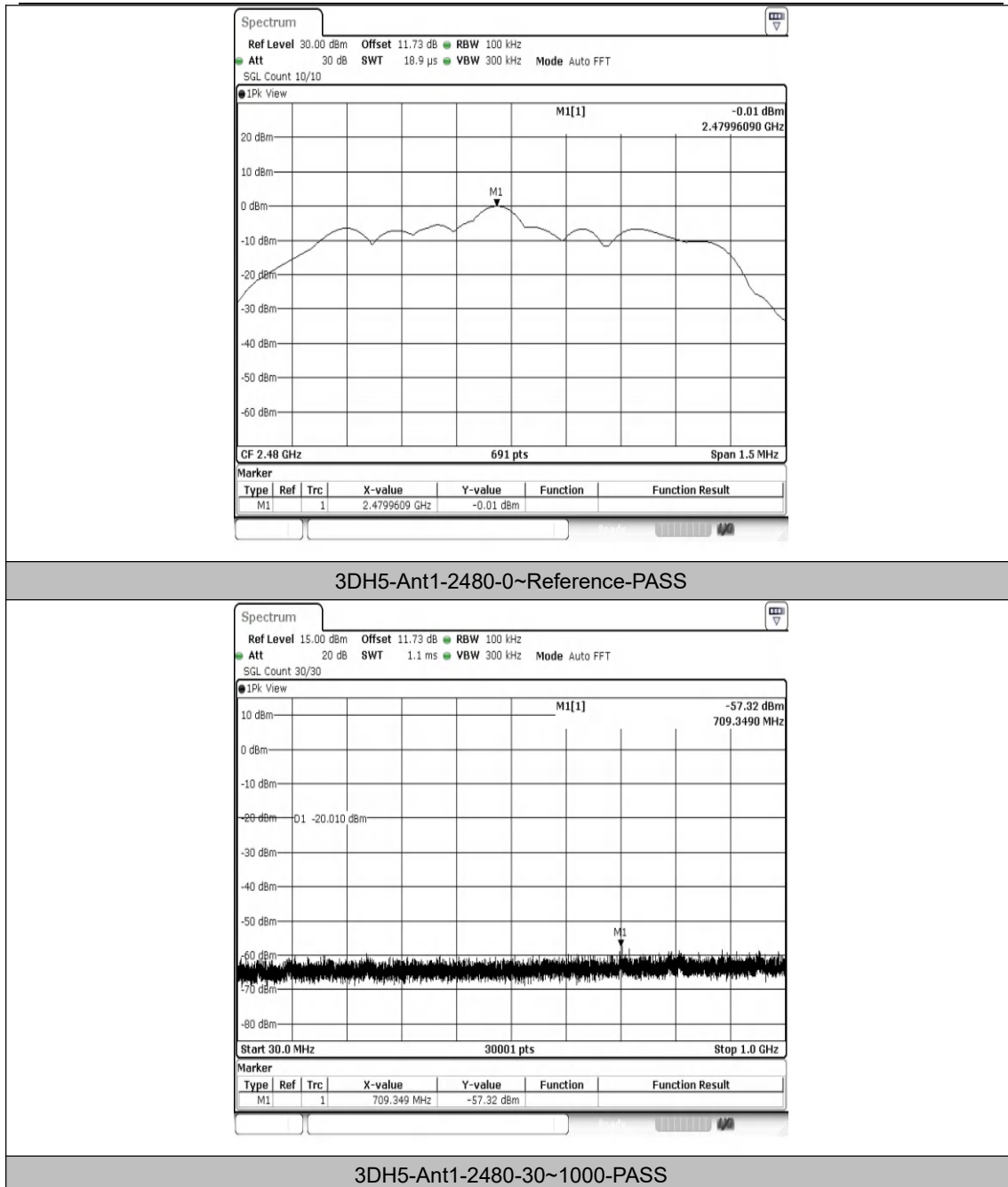


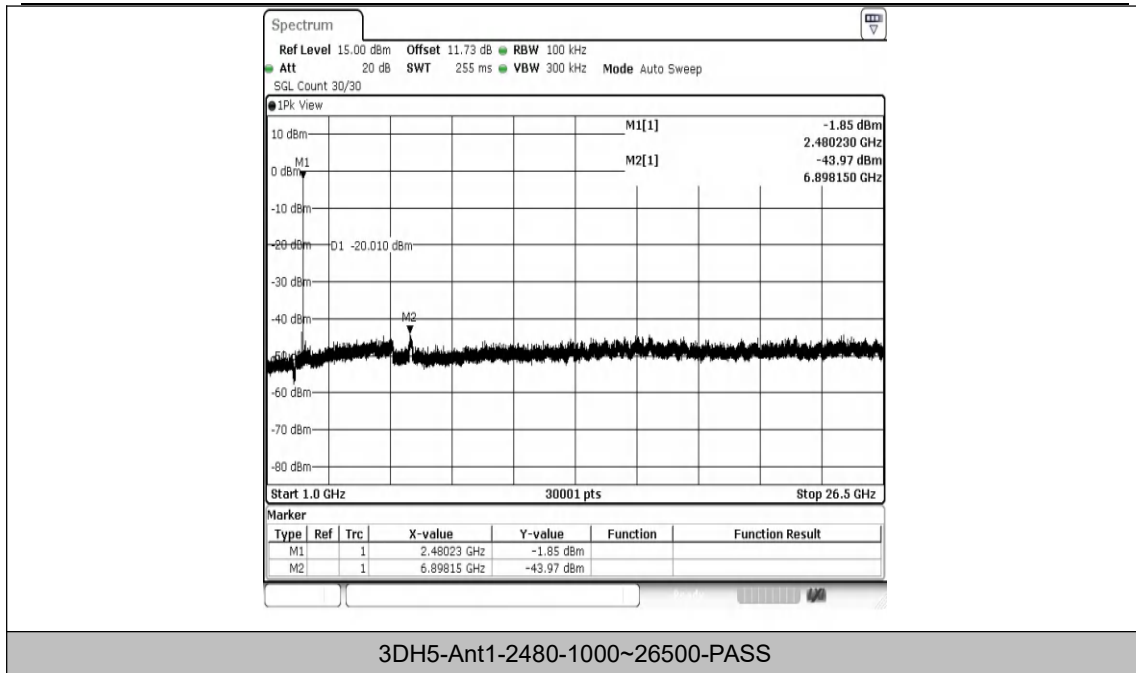
3DH5-Ant1-2402-1000~26500-PASS



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







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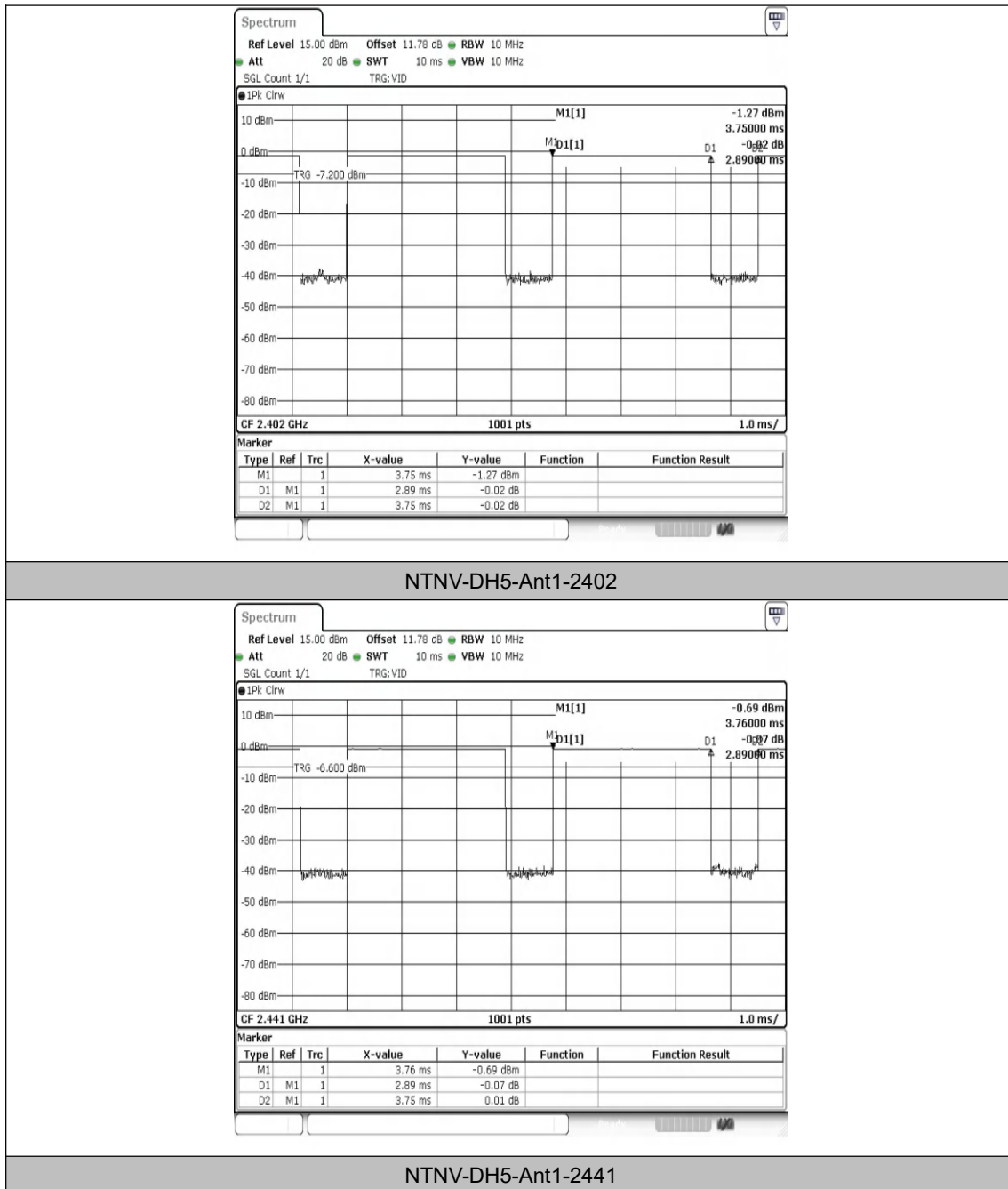
Appendix I: Duty Cycle

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	2.89	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	3.76	77.13	1.13
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.90	3.76	77.13	1.13



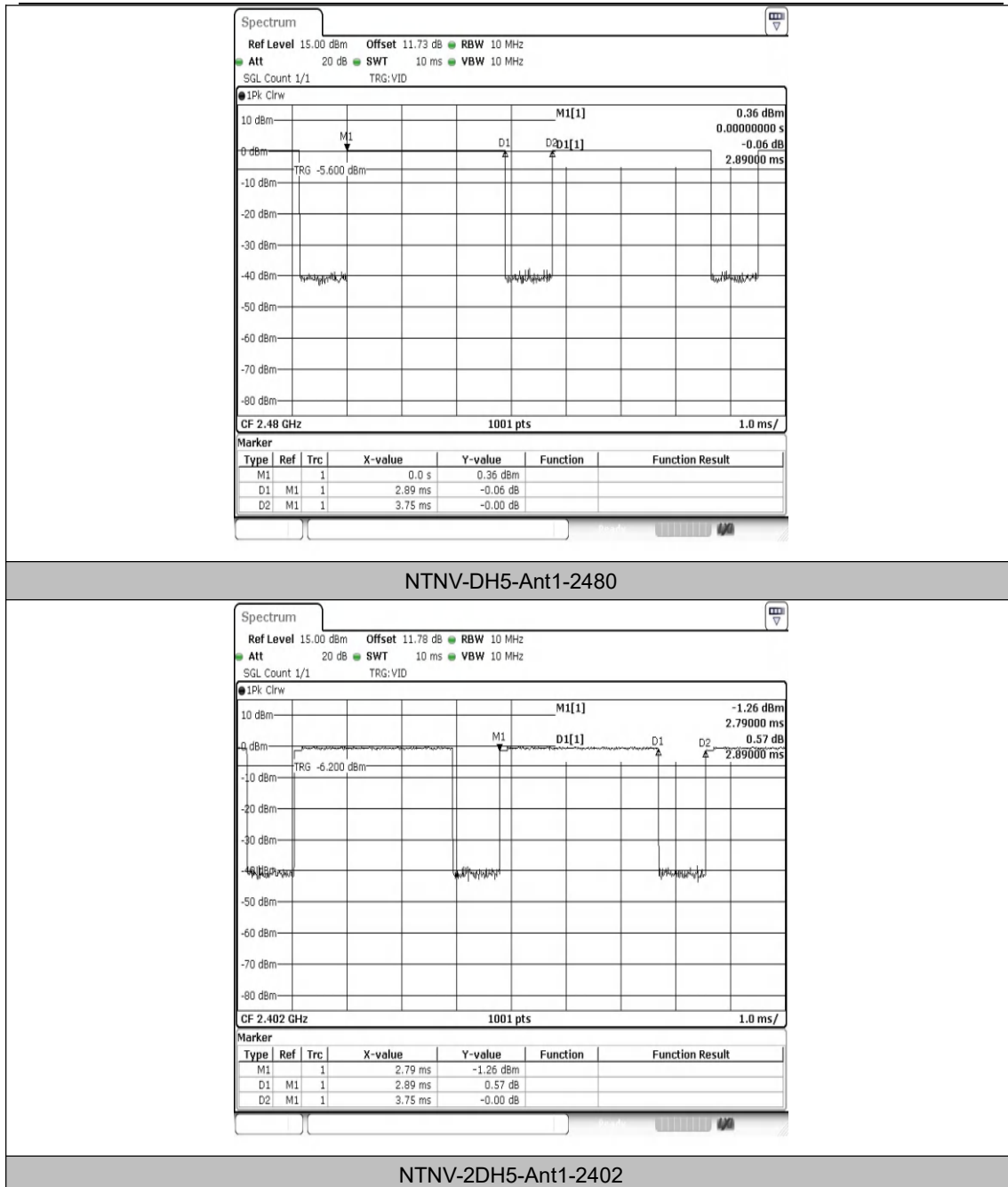
Test Graphs

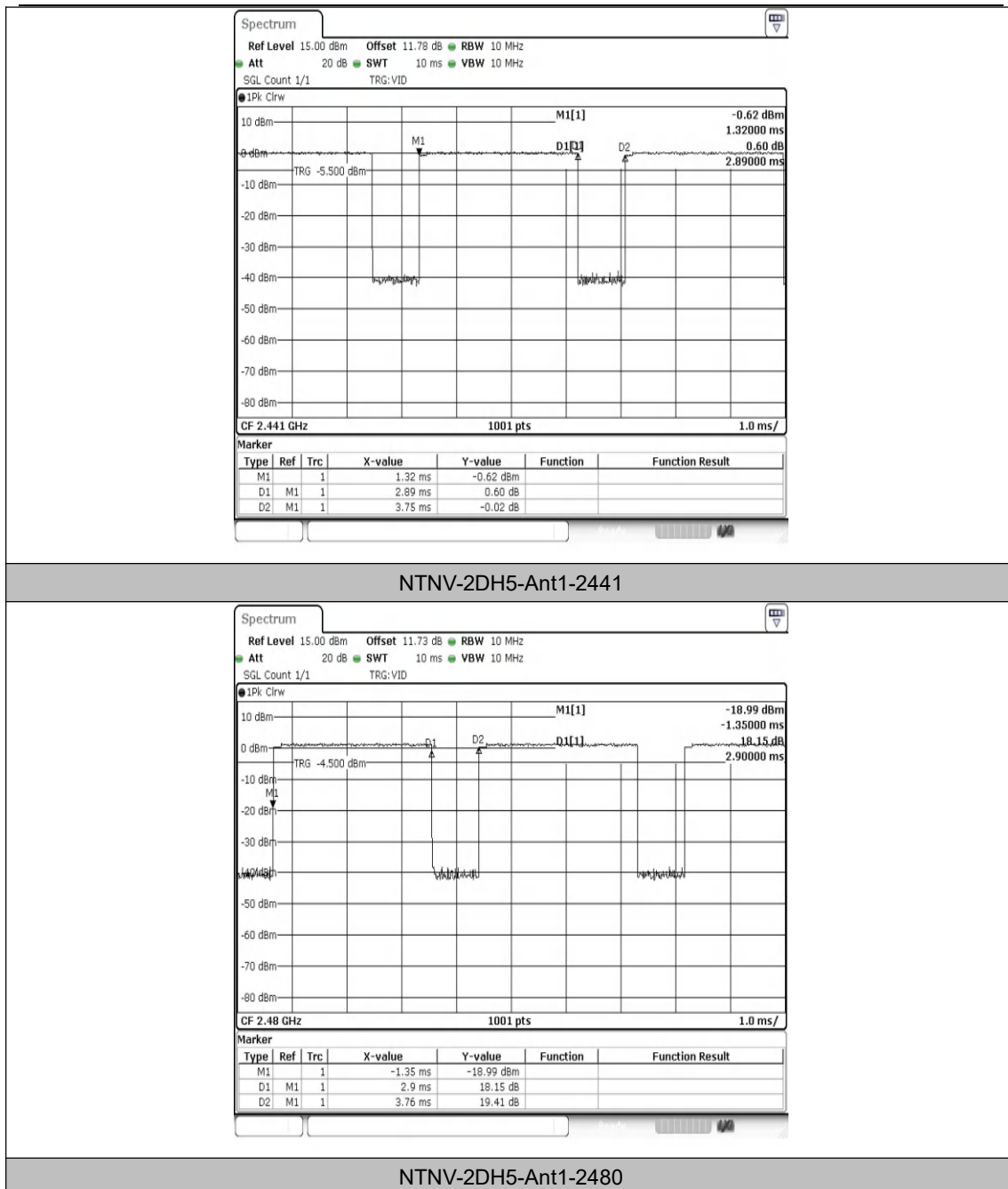


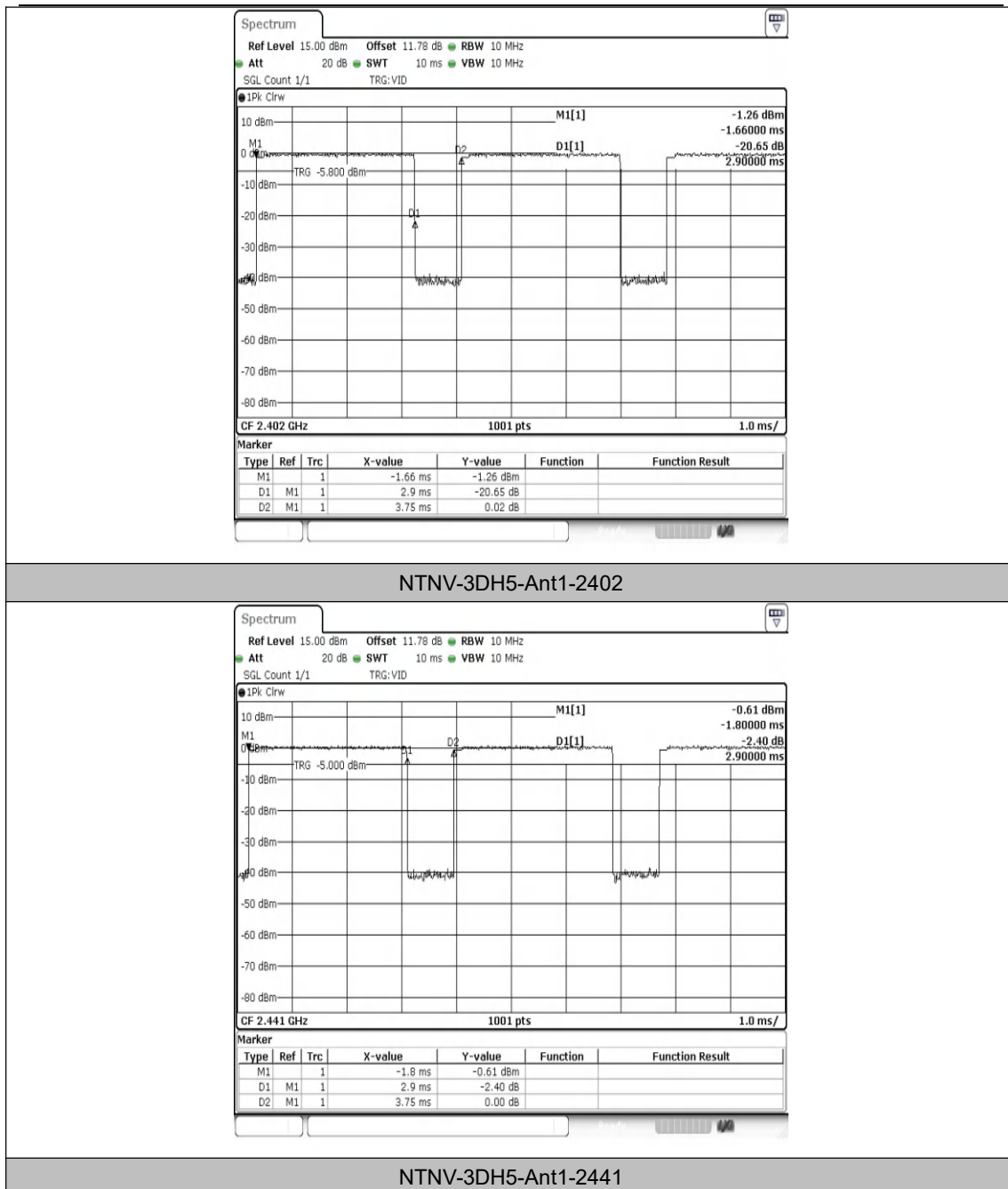
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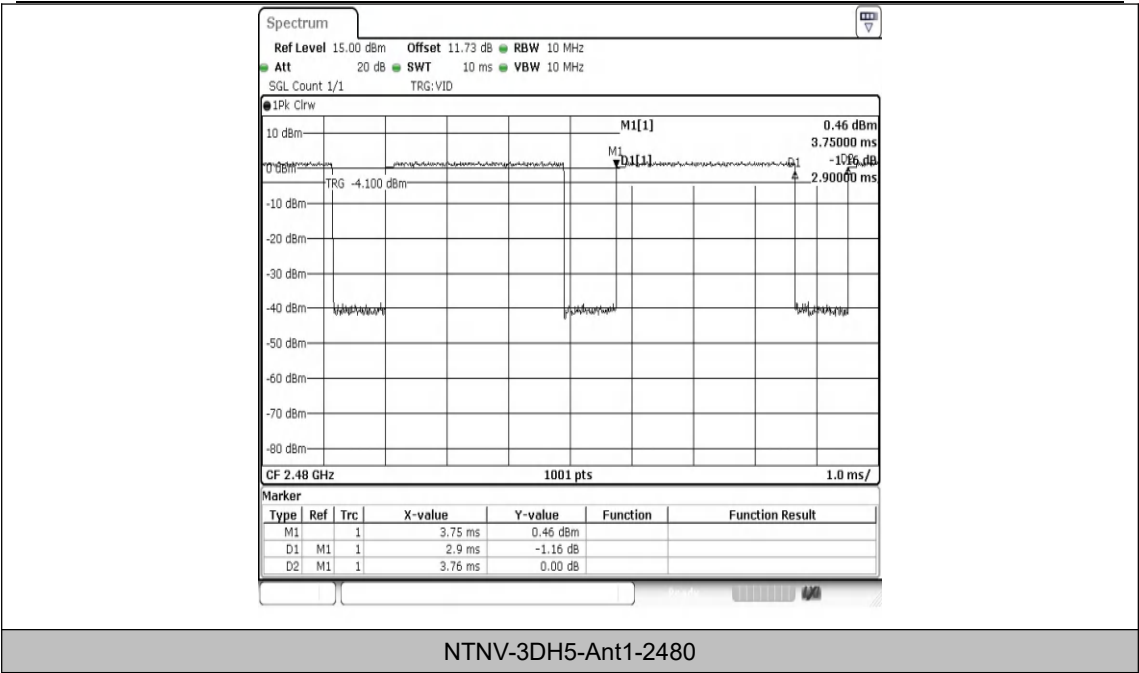
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