

Appendix Test Data

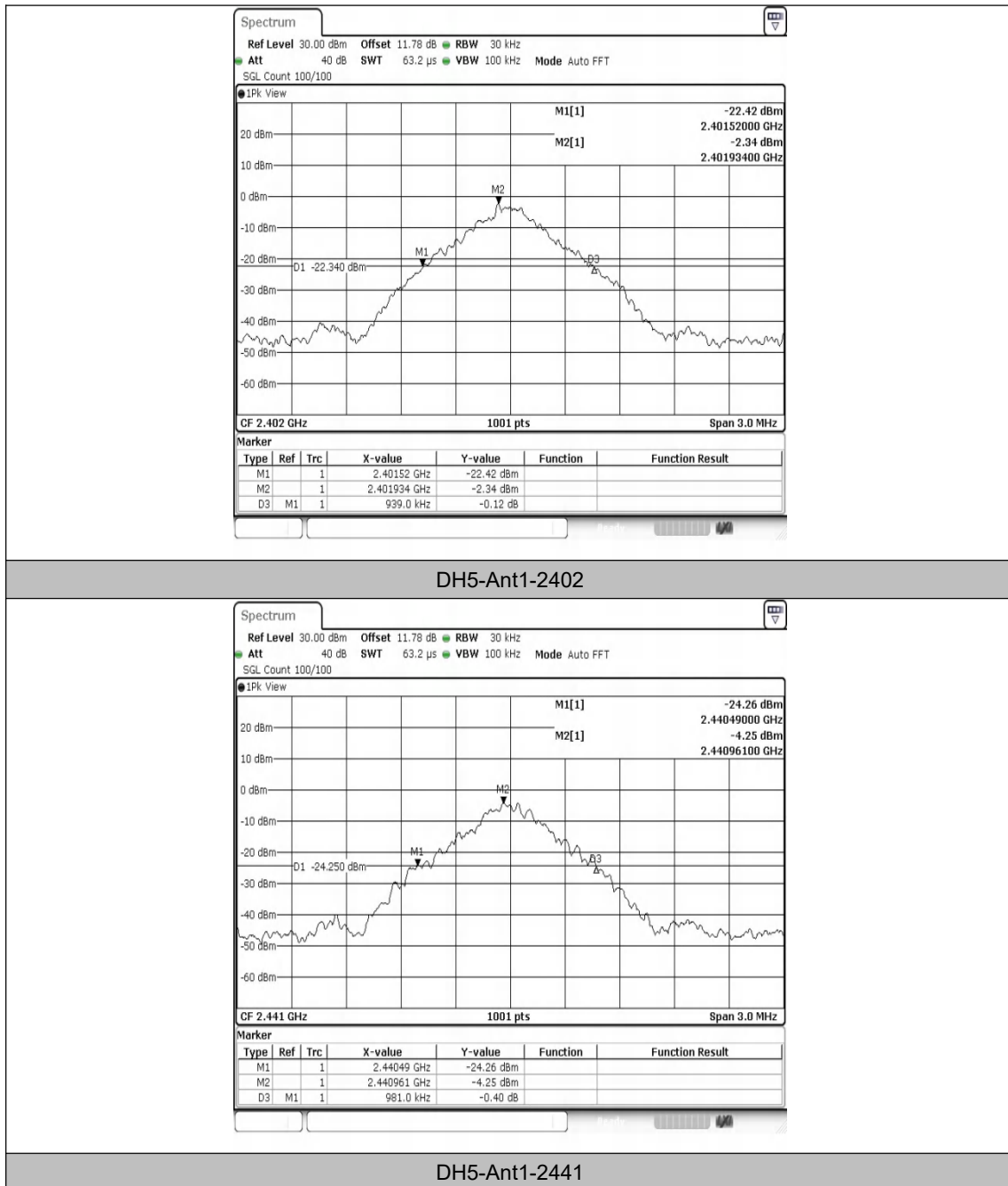
Report No.:	1812C40172012501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.10	Finish Test Date:	2024.12.20
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.6℃	Relative Humidity:	48%
Pressure:	101kPa		

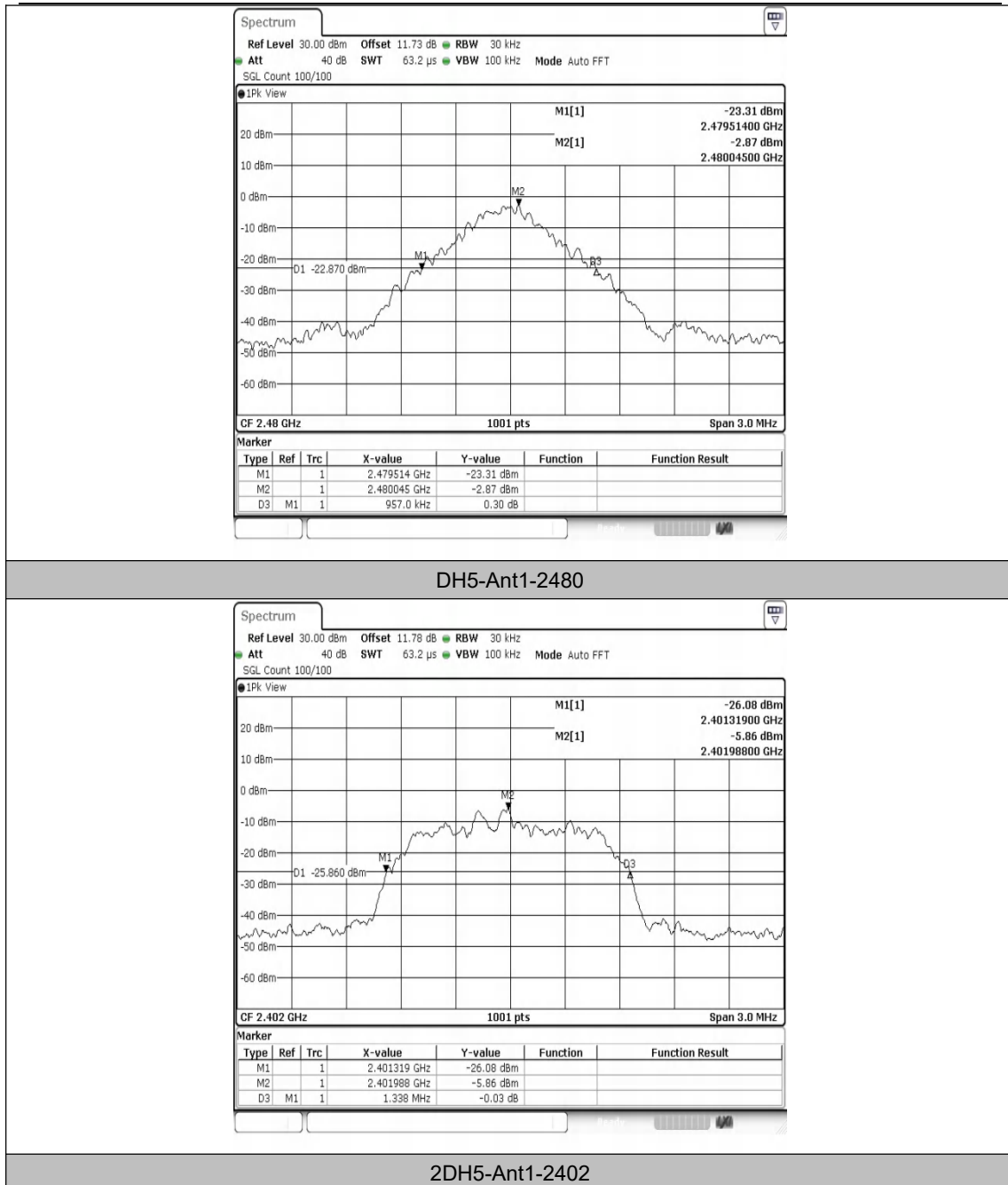
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	2401.52	2402.46	---	---
DH5	Ant1	2441	0.98	2440.49	2441.47	---	---
DH5	Ant1	2480	0.96	2479.51	2480.47	---	---
2DH5	Ant1	2402	1.34	2401.32	2402.66	---	---
2DH5	Ant1	2441	1.28	2440.36	2441.65	---	---
2DH5	Ant1	2480	1.30	2479.35	2480.65	---	---
3DH5	Ant1	2402	1.27	2401.34	2402.61	---	---
3DH5	Ant1	2441	1.30	2440.34	2441.65	---	---
3DH5	Ant1	2480	1.28	2479.34	2480.63	---	---

Test Graphs

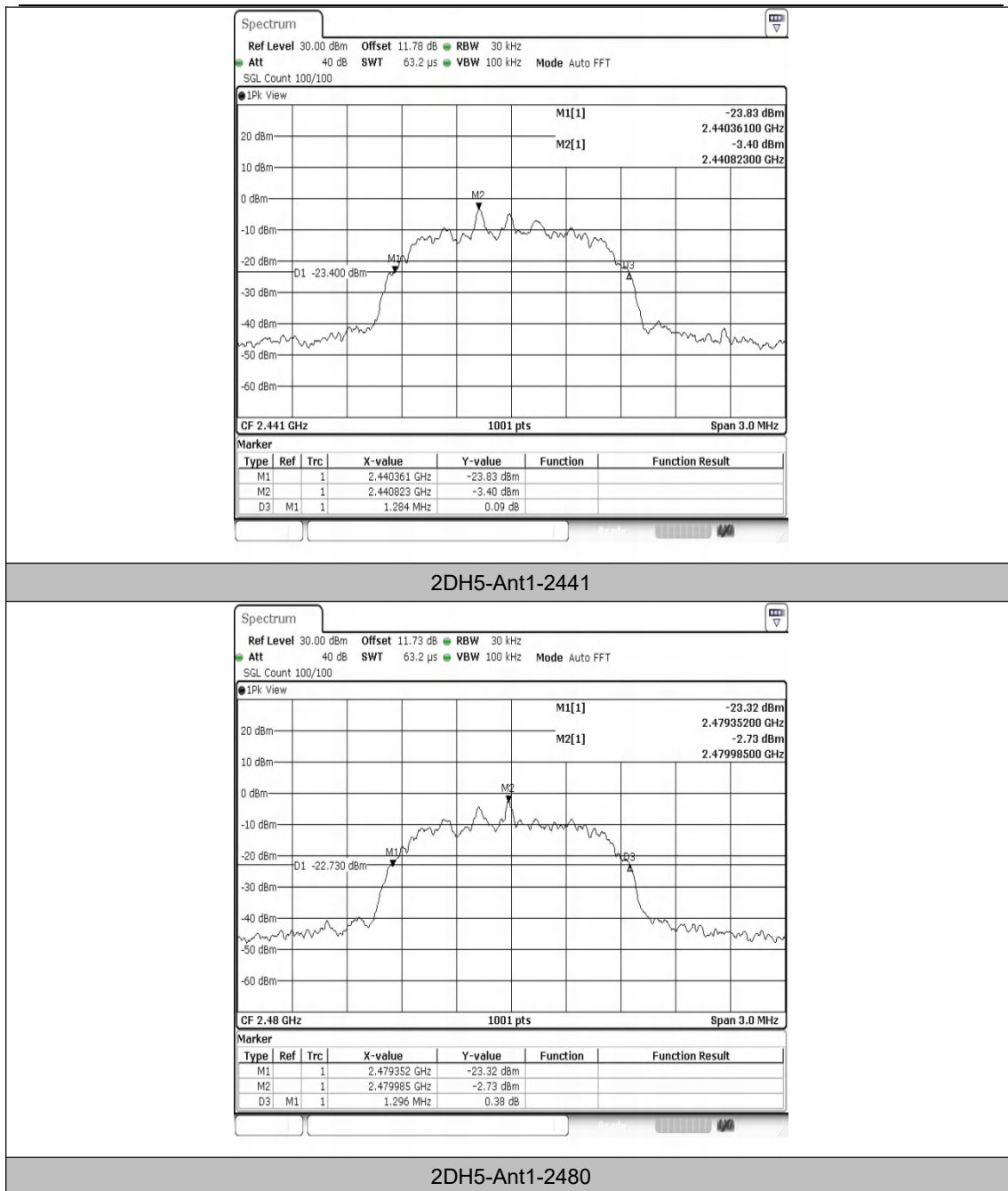


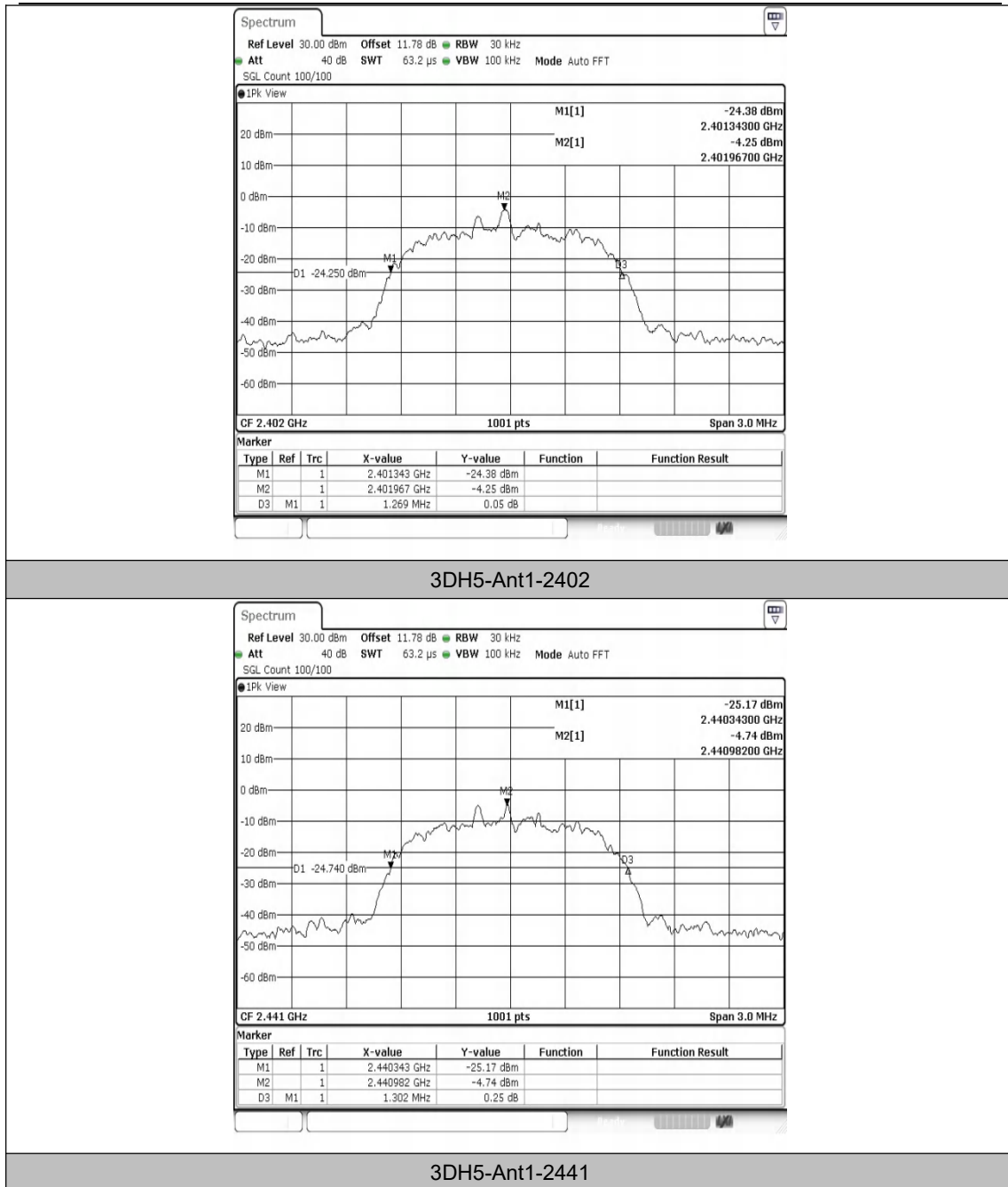


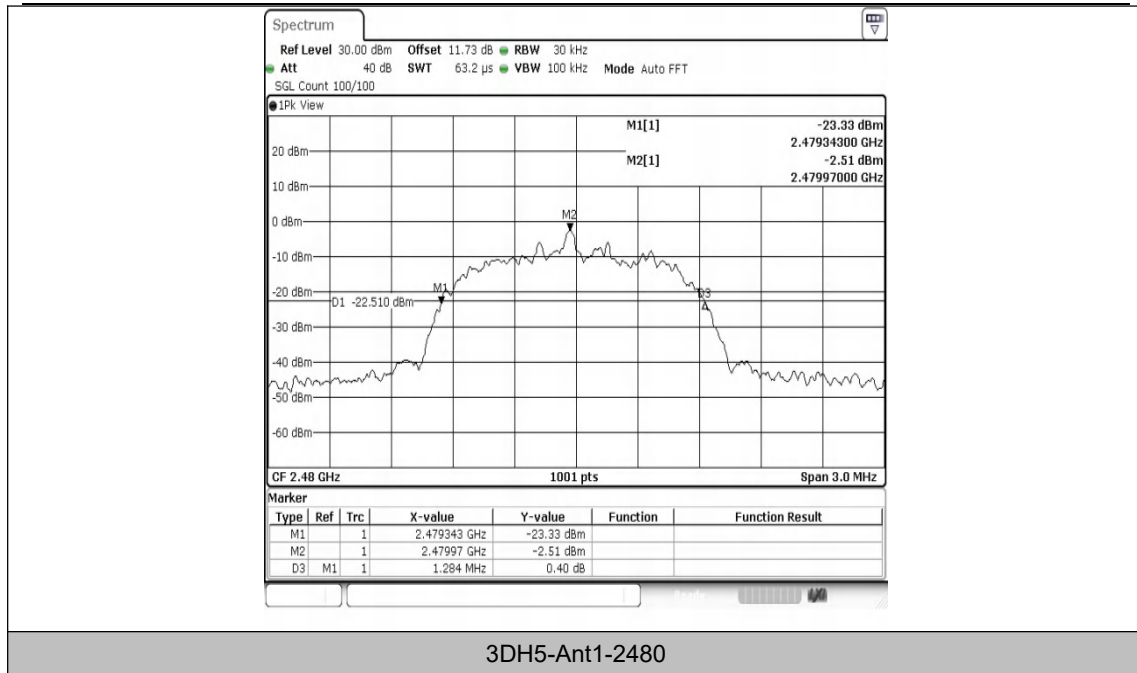
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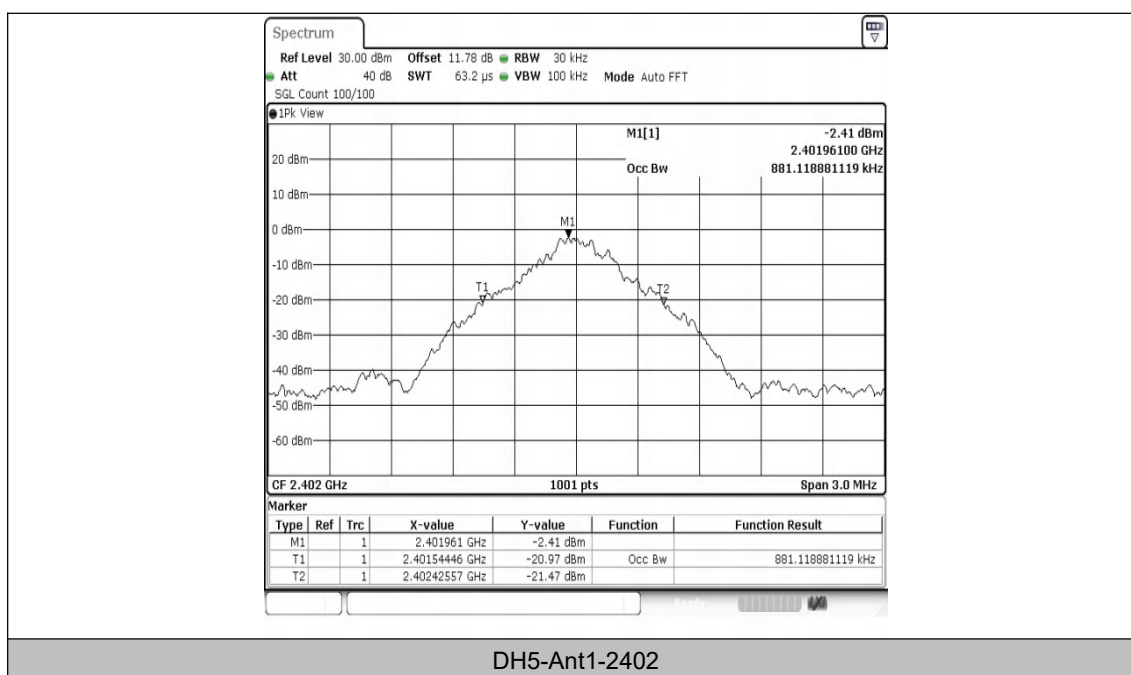
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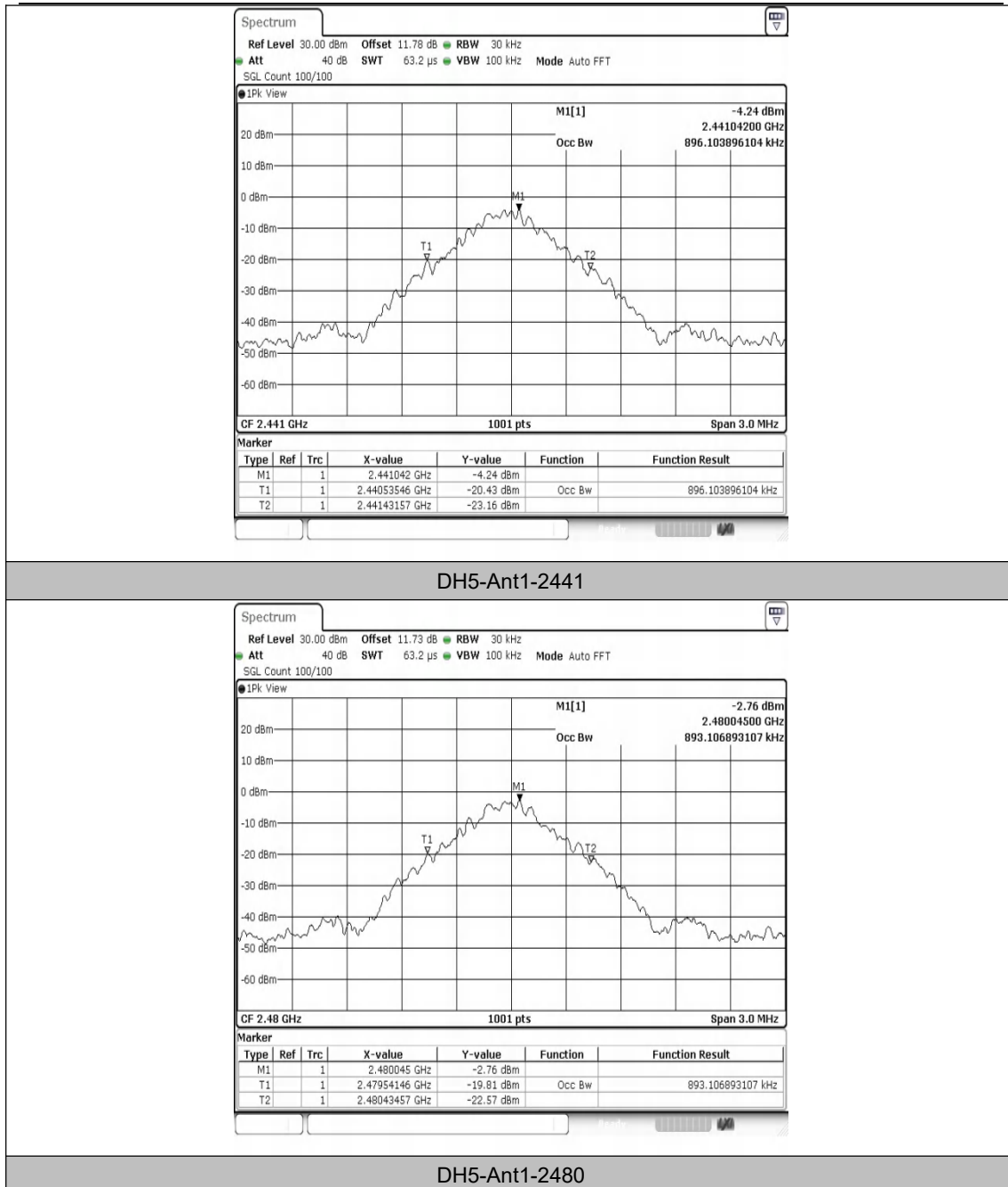
Appendix B: 99% Occupied Bandwidth

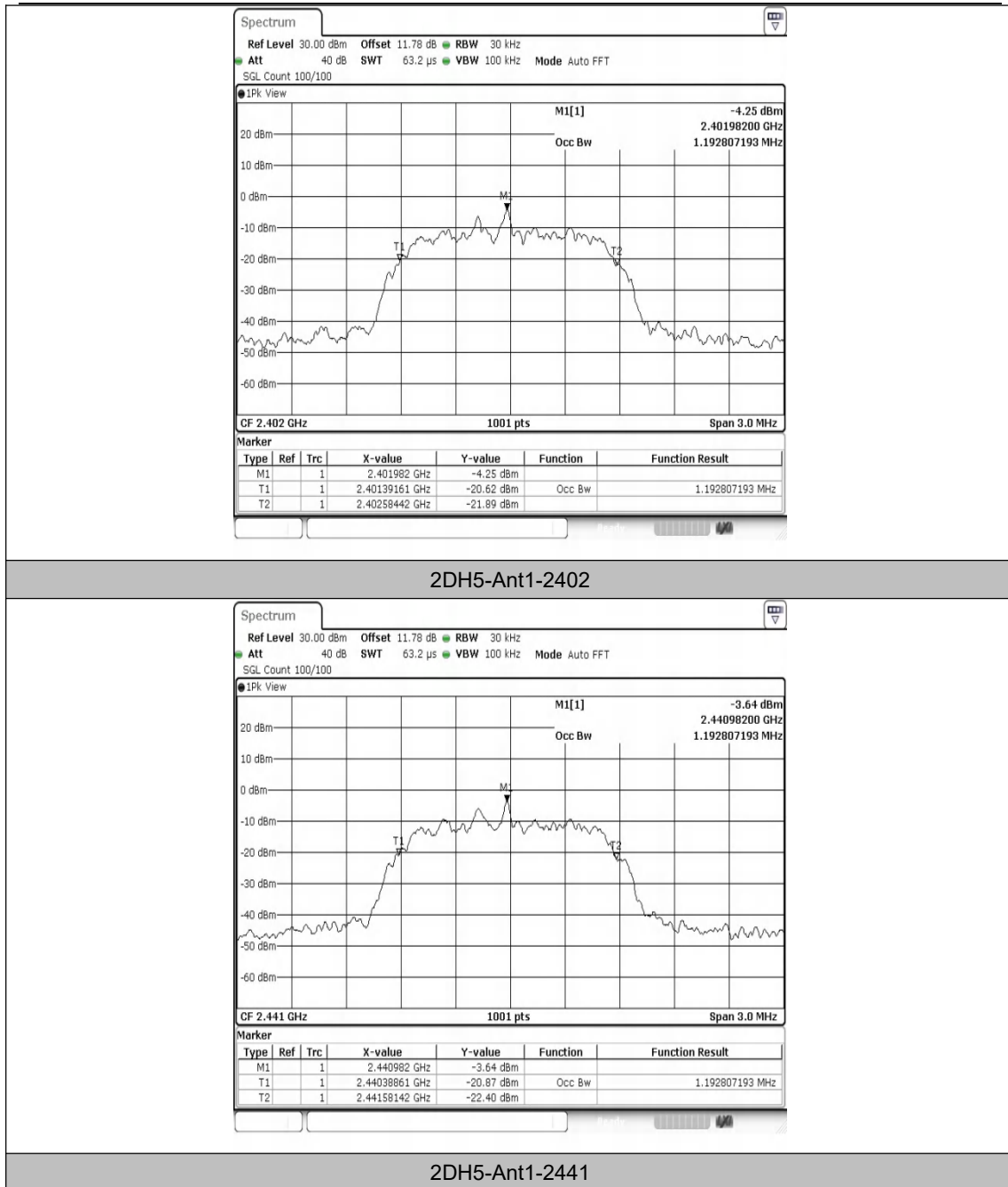
Test Result

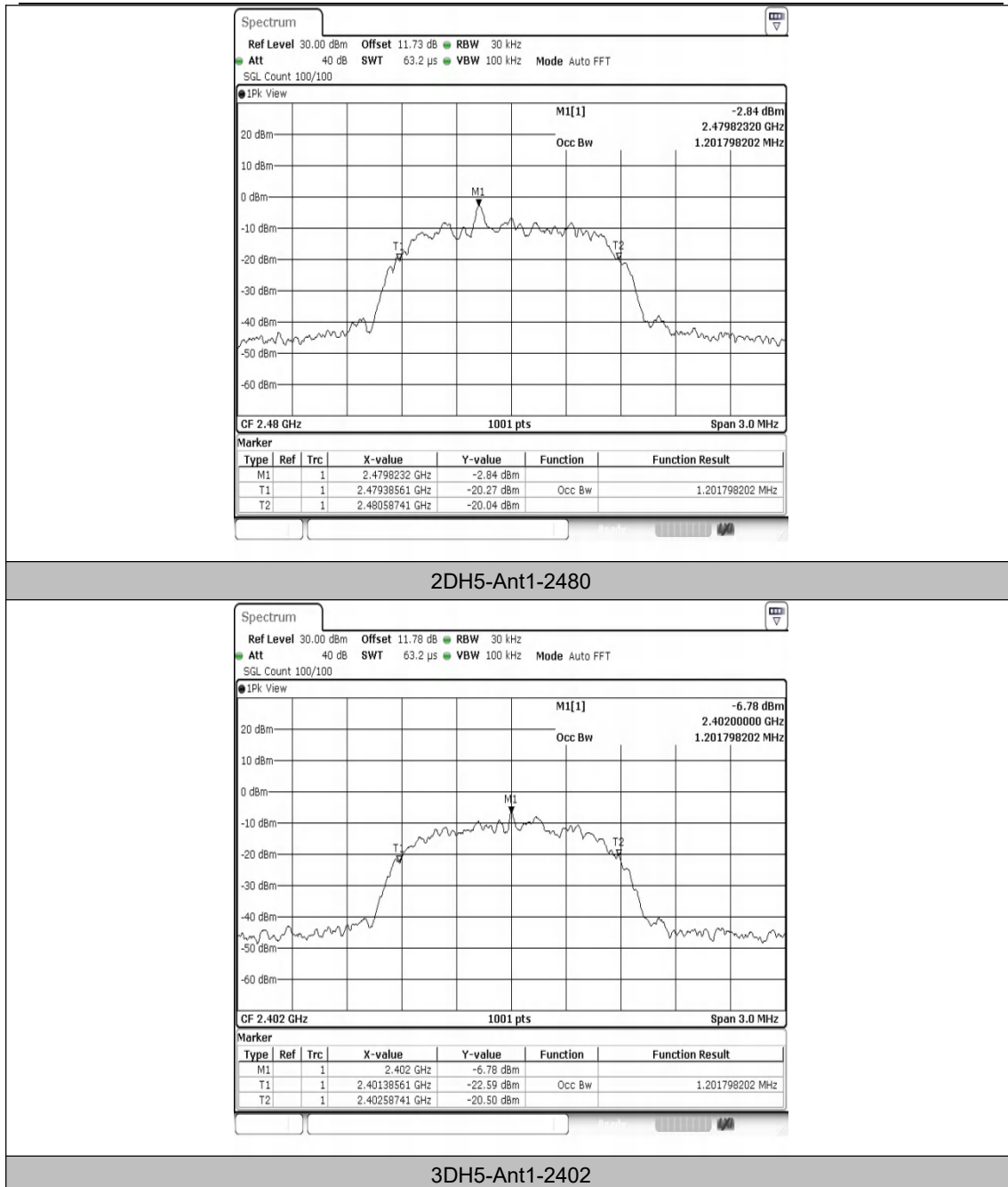
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.881	2401.5445	2402.4256	---	---
DH5	Ant1	2441	0.896	2440.5355	2441.4316	---	---
DH5	Ant1	2480	0.893	2479.5415	2480.4346	---	---
2DH5	Ant1	2402	1.193	2401.3916	2402.5844	---	---
2DH5	Ant1	2441	1.193	2440.3886	2441.5814	---	---
2DH5	Ant1	2480	1.202	2479.3856	2480.5874	---	---
3DH5	Ant1	2402	1.202	2401.3856	2402.5874	---	---
3DH5	Ant1	2441	1.211	2440.3796	2441.5904	---	---
3DH5	Ant1	2480	1.205	2479.3796	2480.5844	---	---

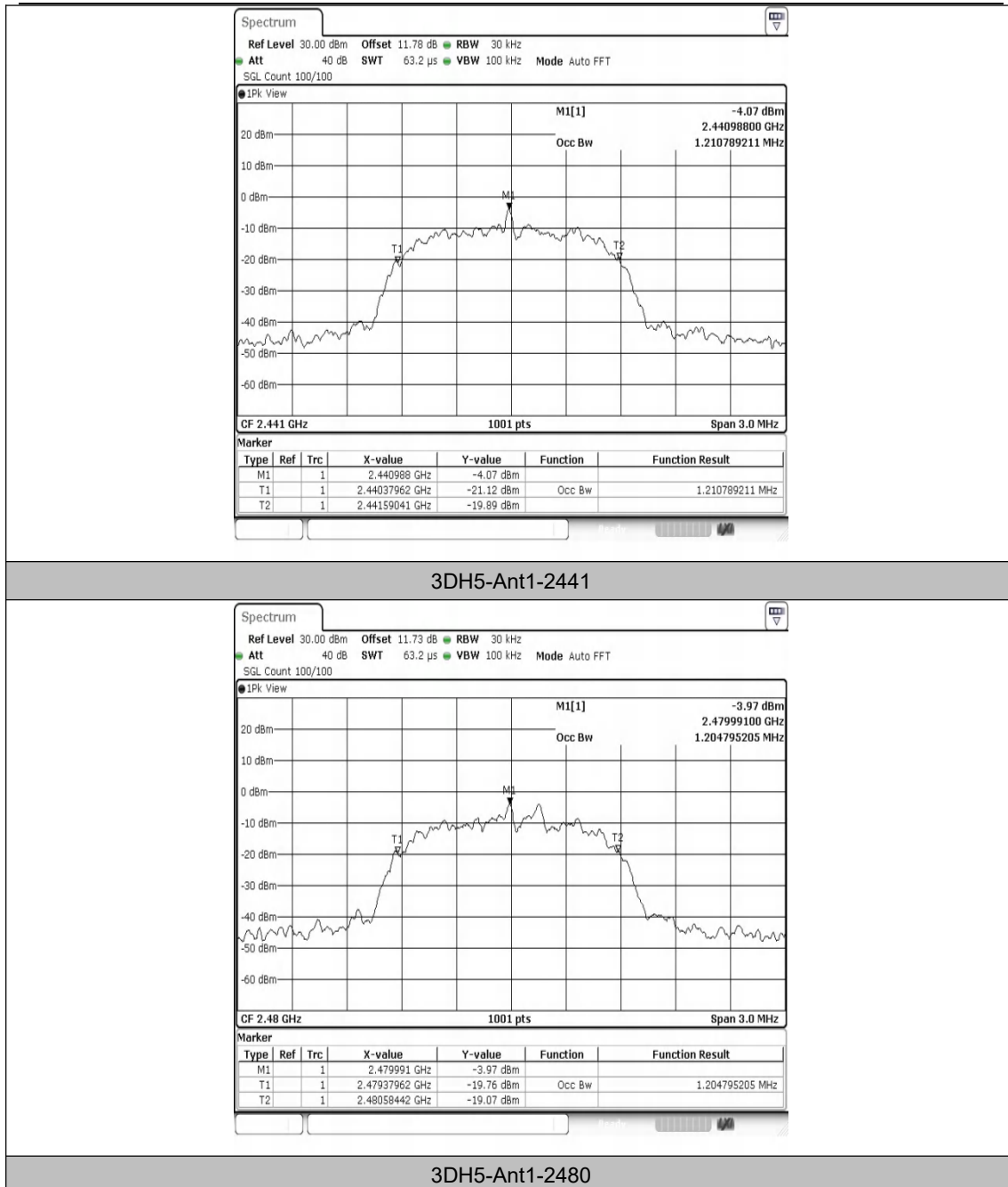
Test Graphs









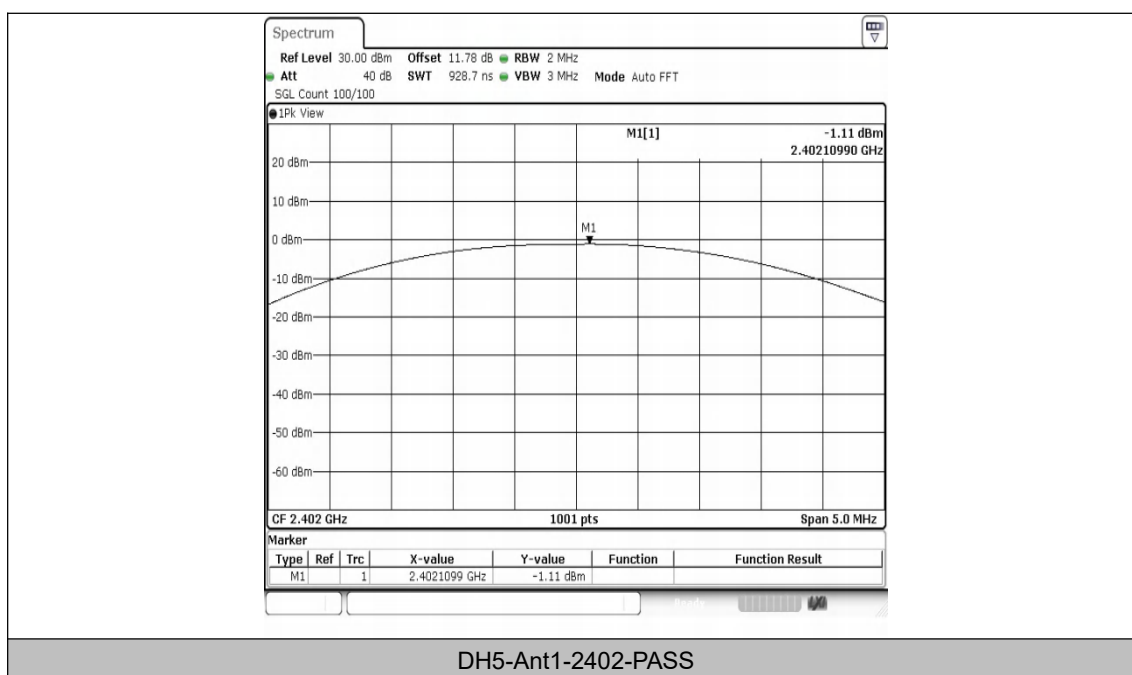


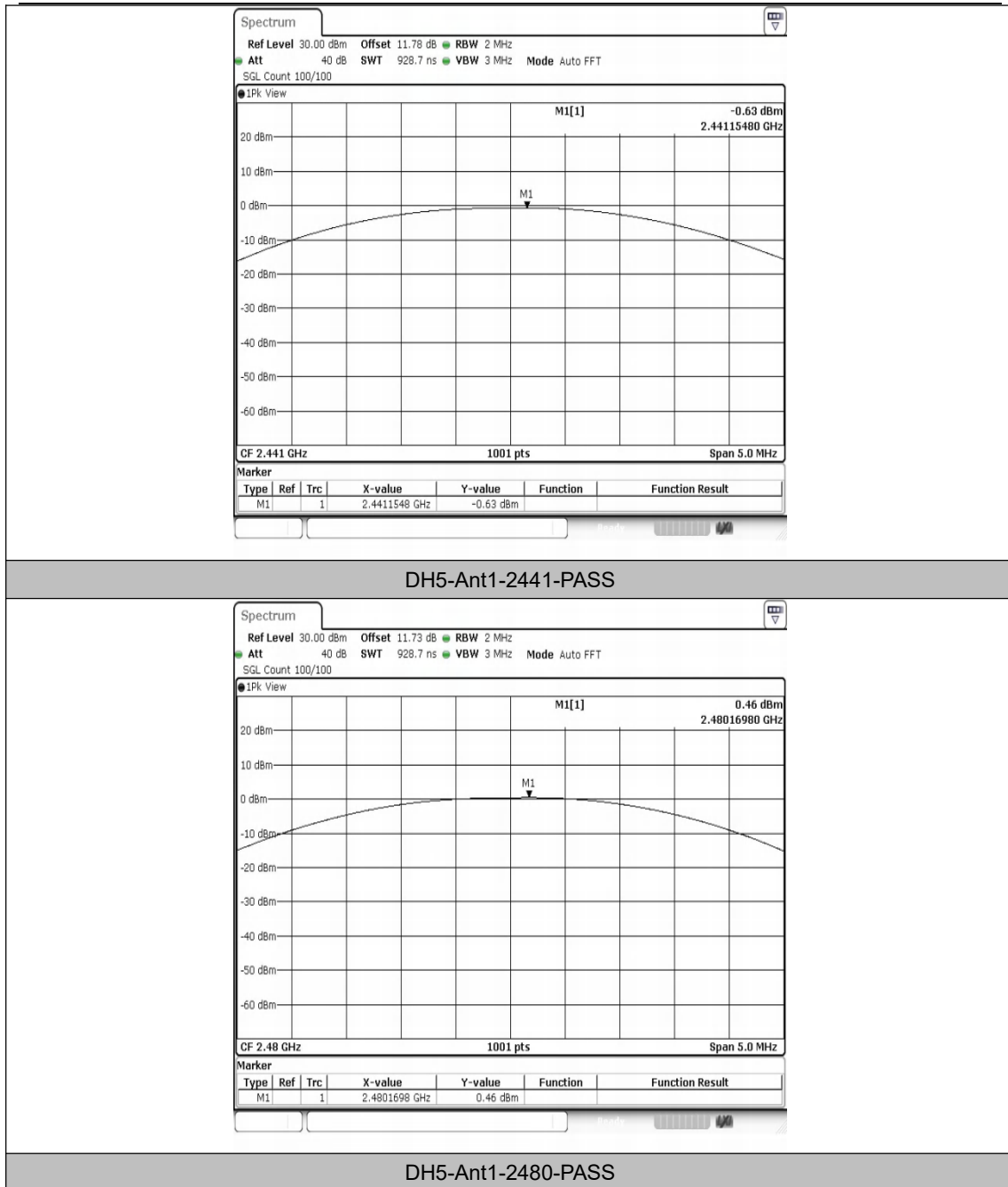
Appendix C: Maximum Conducted Output Power

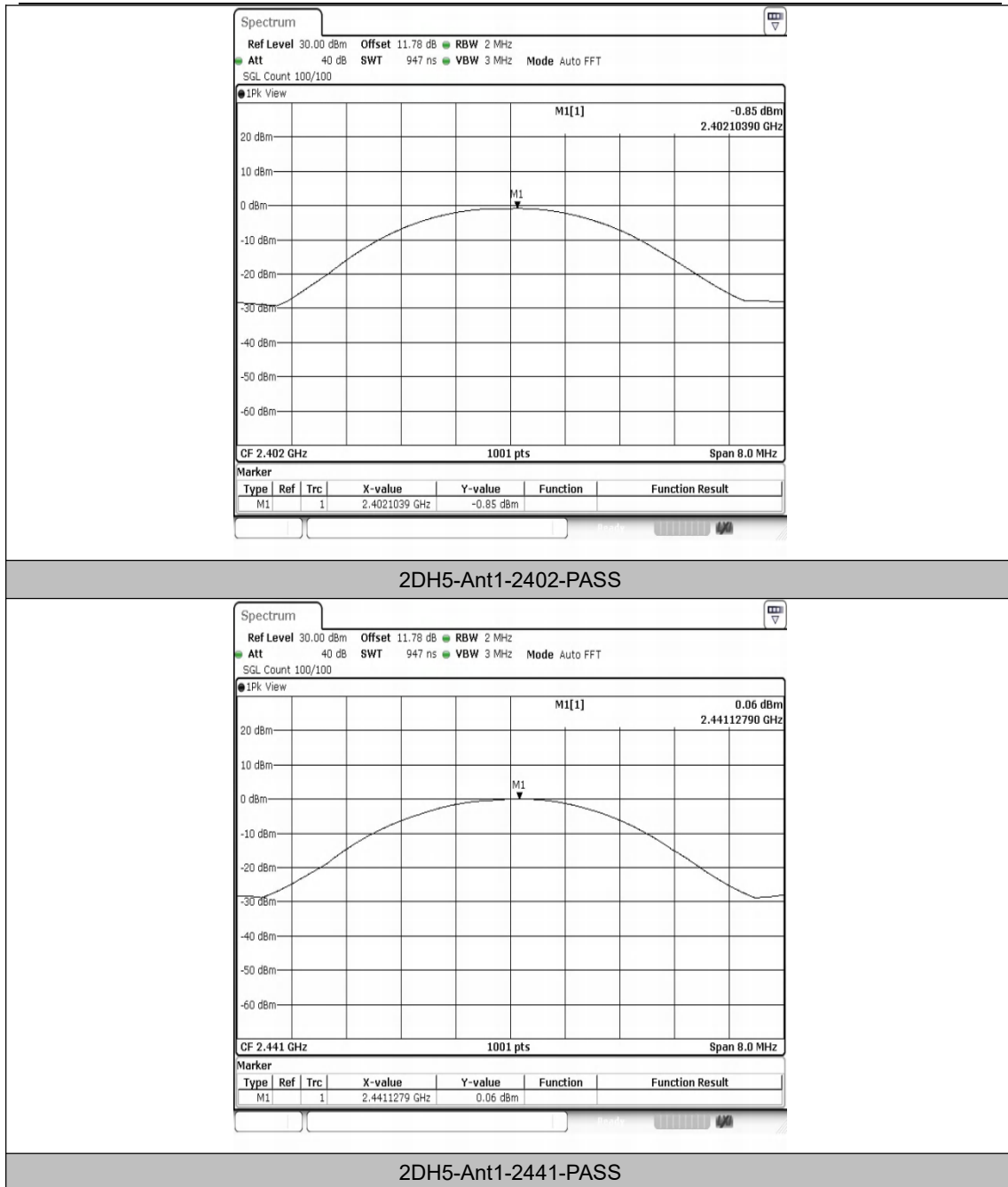
Test Result Peak

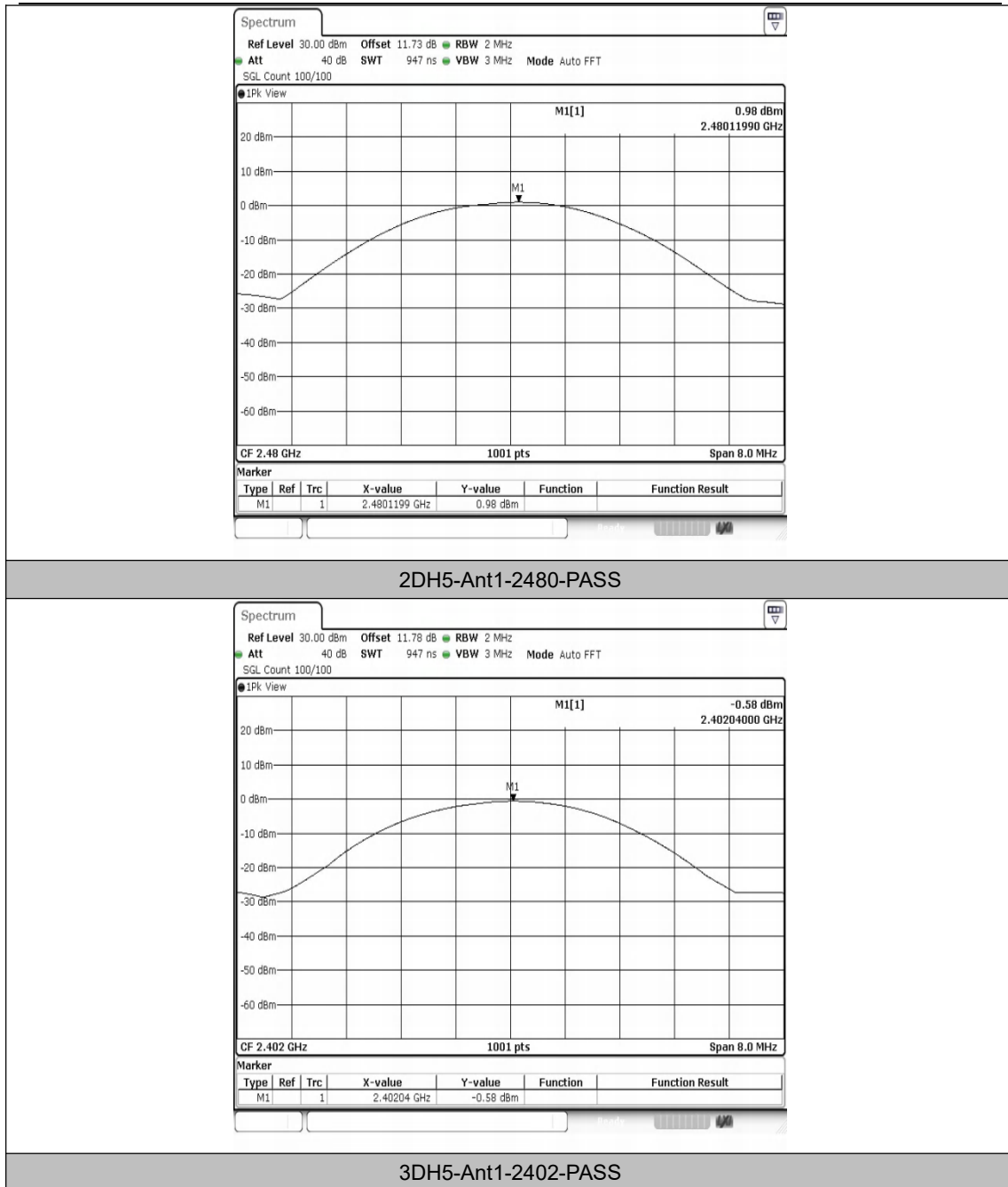
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.11	≤30	PASS
DH5	Ant1	2441	-0.63	≤30	PASS
DH5	Ant1	2480	0.46	≤30	PASS
2DH5	Ant1	2402	-0.85	≤20.97	PASS
2DH5	Ant1	2441	0.06	≤20.97	PASS
2DH5	Ant1	2480	0.98	≤20.97	PASS
3DH5	Ant1	2402	-0.58	≤20.97	PASS
3DH5	Ant1	2441	-0.09	≤20.97	PASS
3DH5	Ant1	2480	1.41	≤20.97	PASS

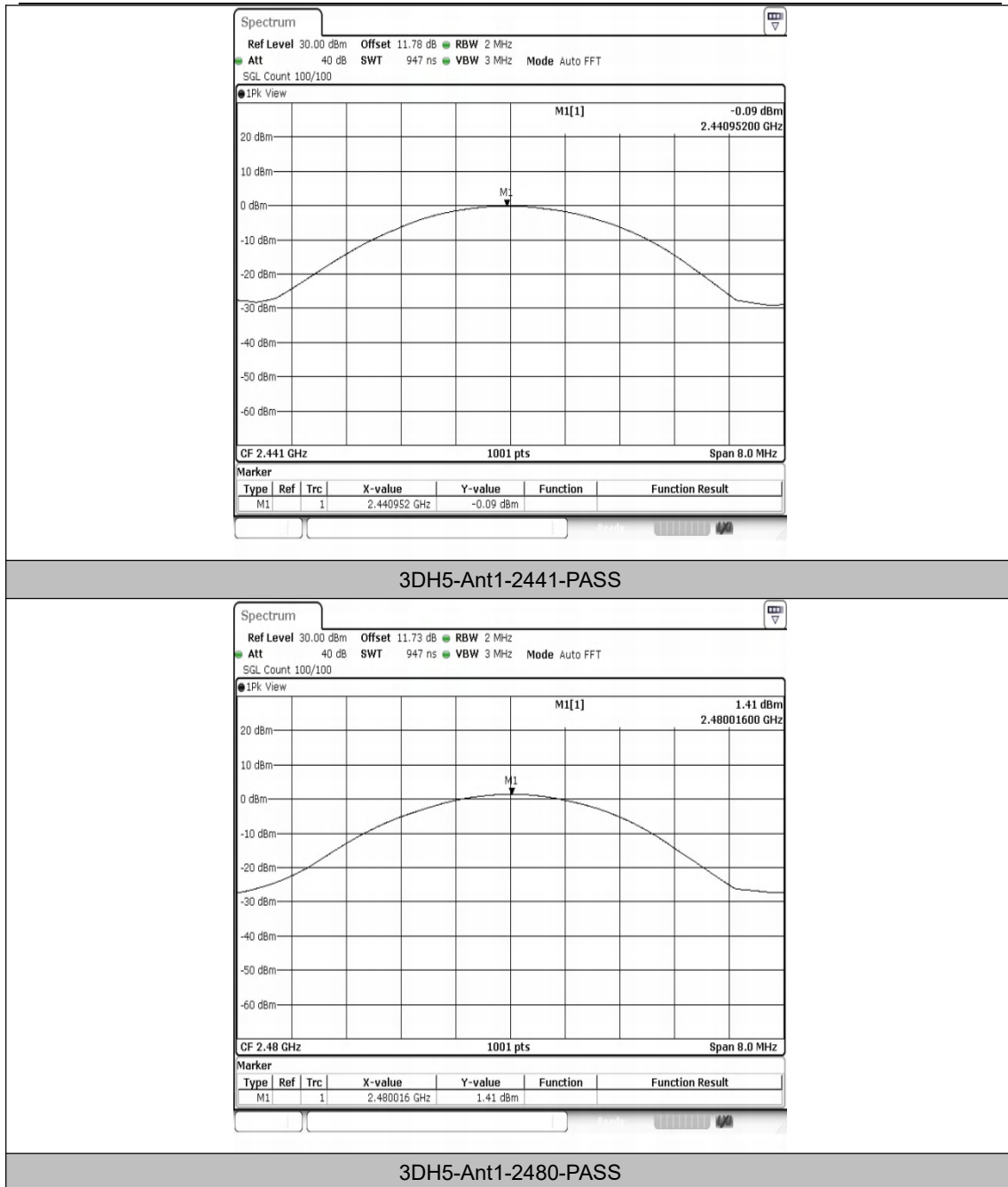
Test Graphs











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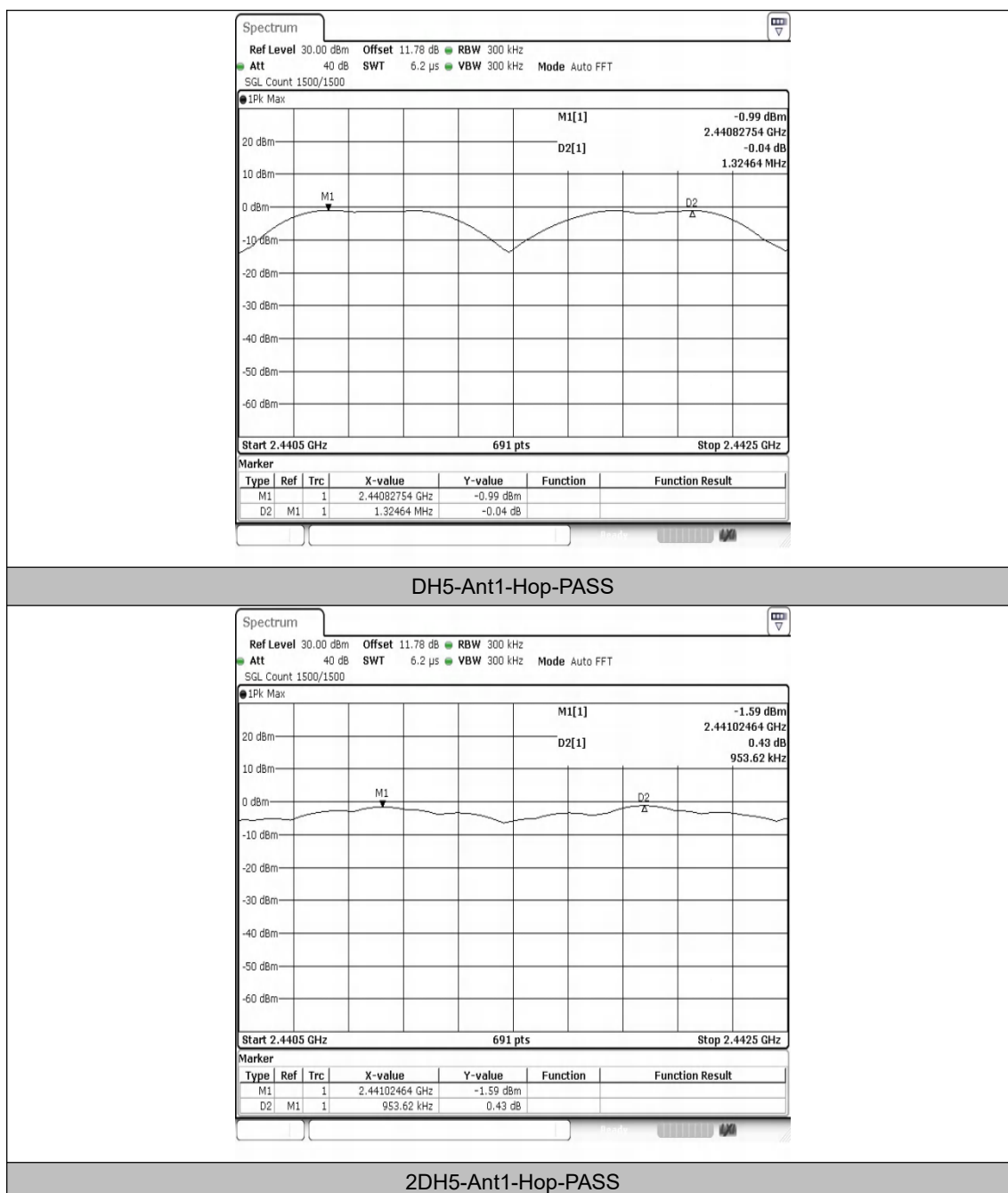
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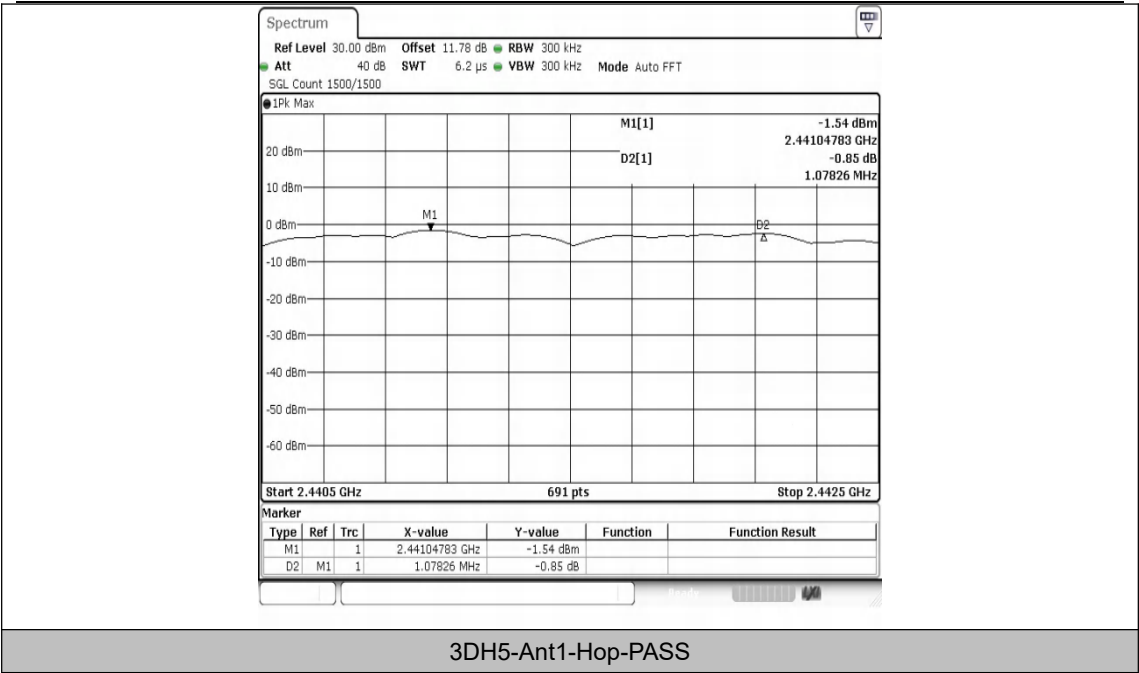
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.325	≥0.980	PASS
2DH5	Ant1	Hop	0.954	≥0.893	PASS
3DH5	Ant1	Hop	1.078	≥0.867	PASS

Test Graphs





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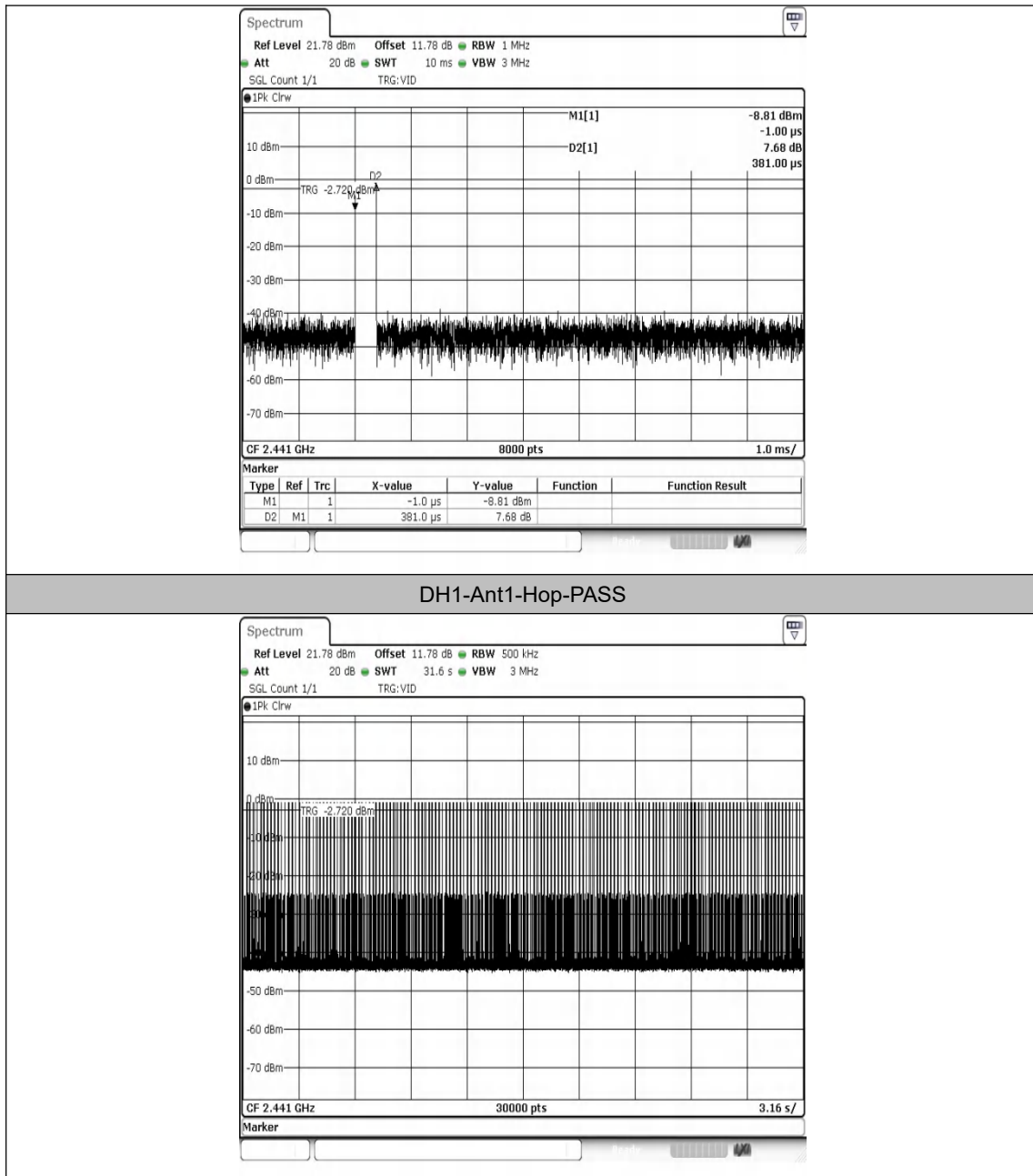
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.381	319	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.641	165	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.885	106	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.890	110	0.318	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.641	162	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.893	112	0.324	≤0.4	PASS



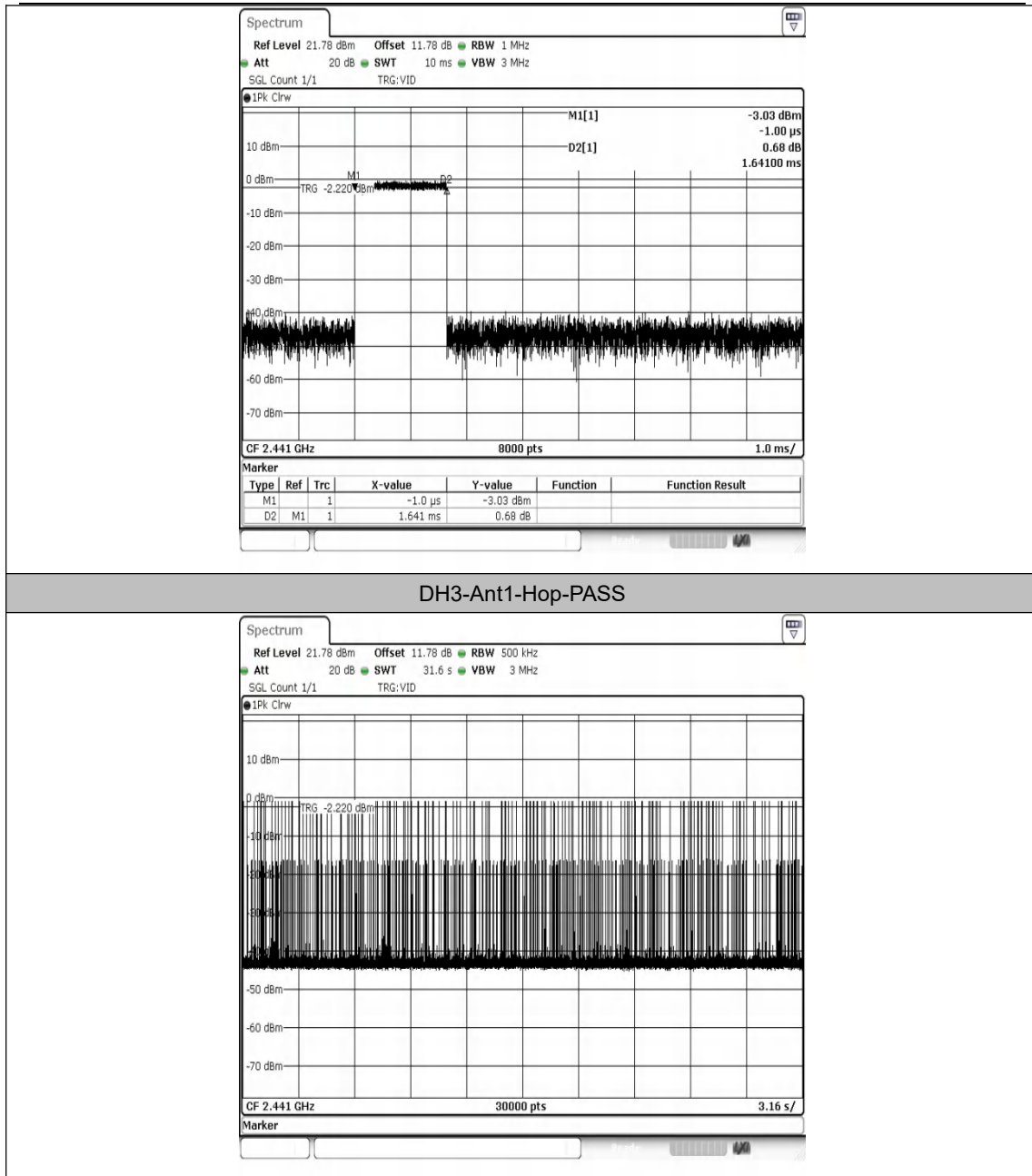
Test Graphs



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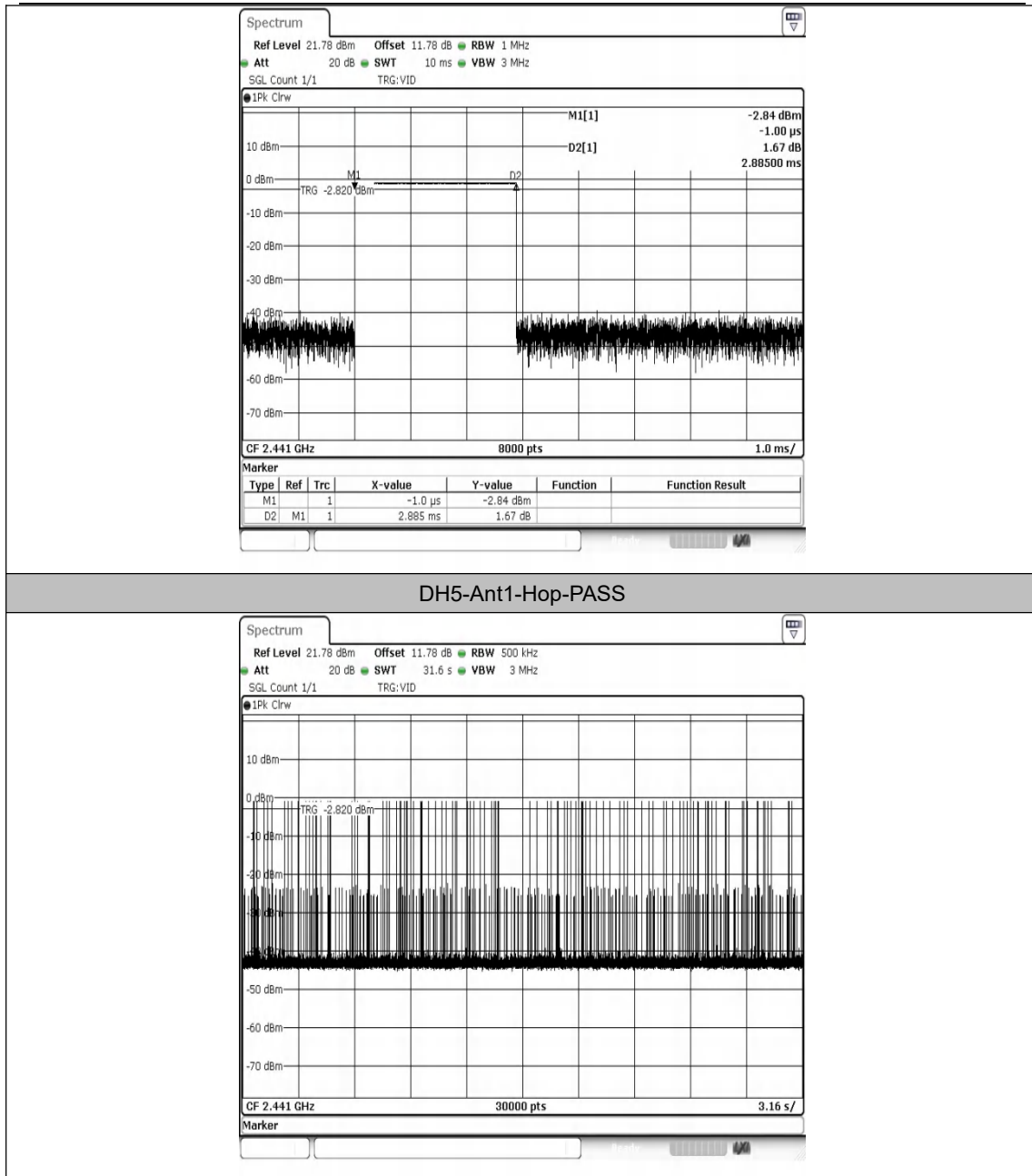
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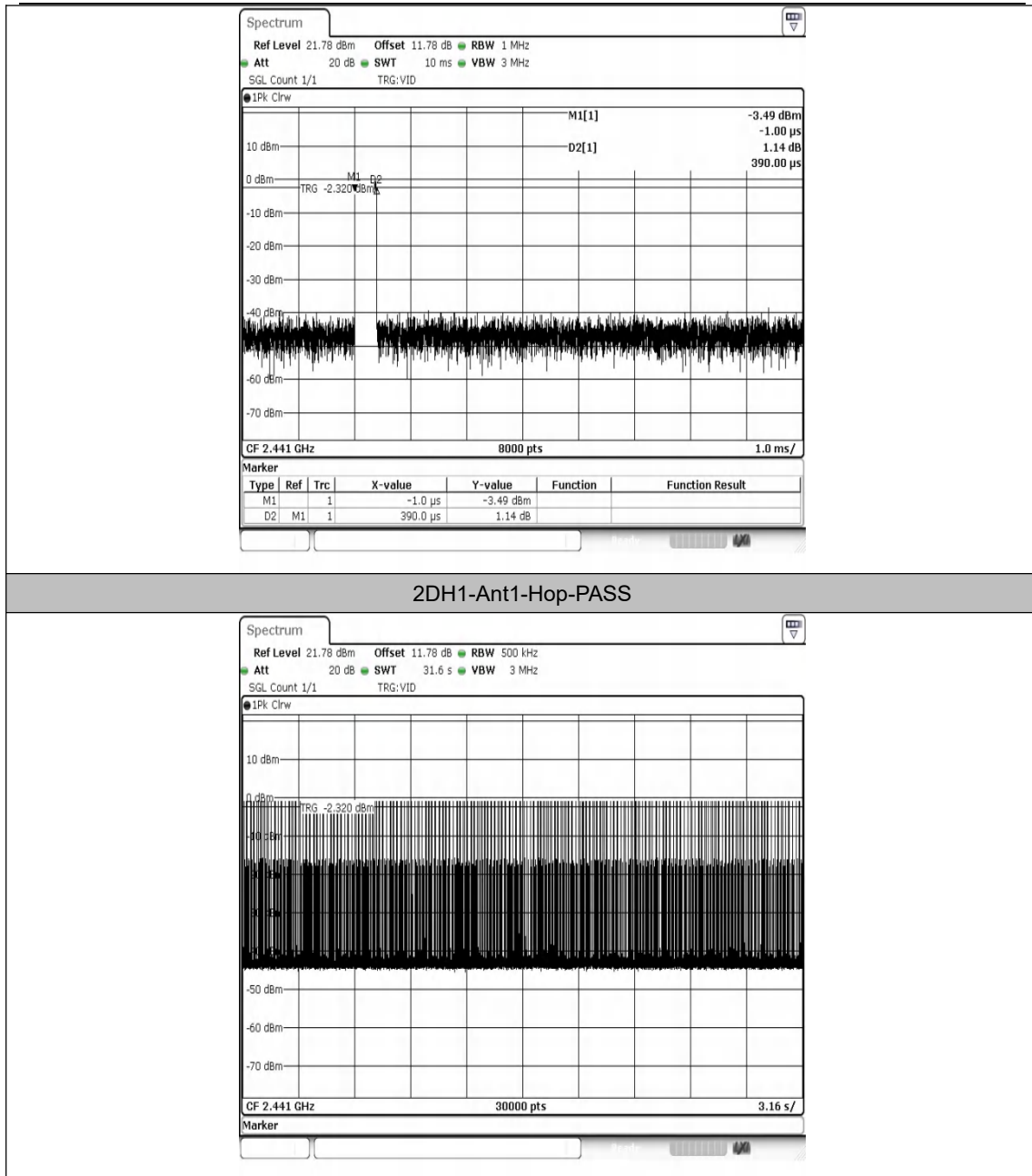
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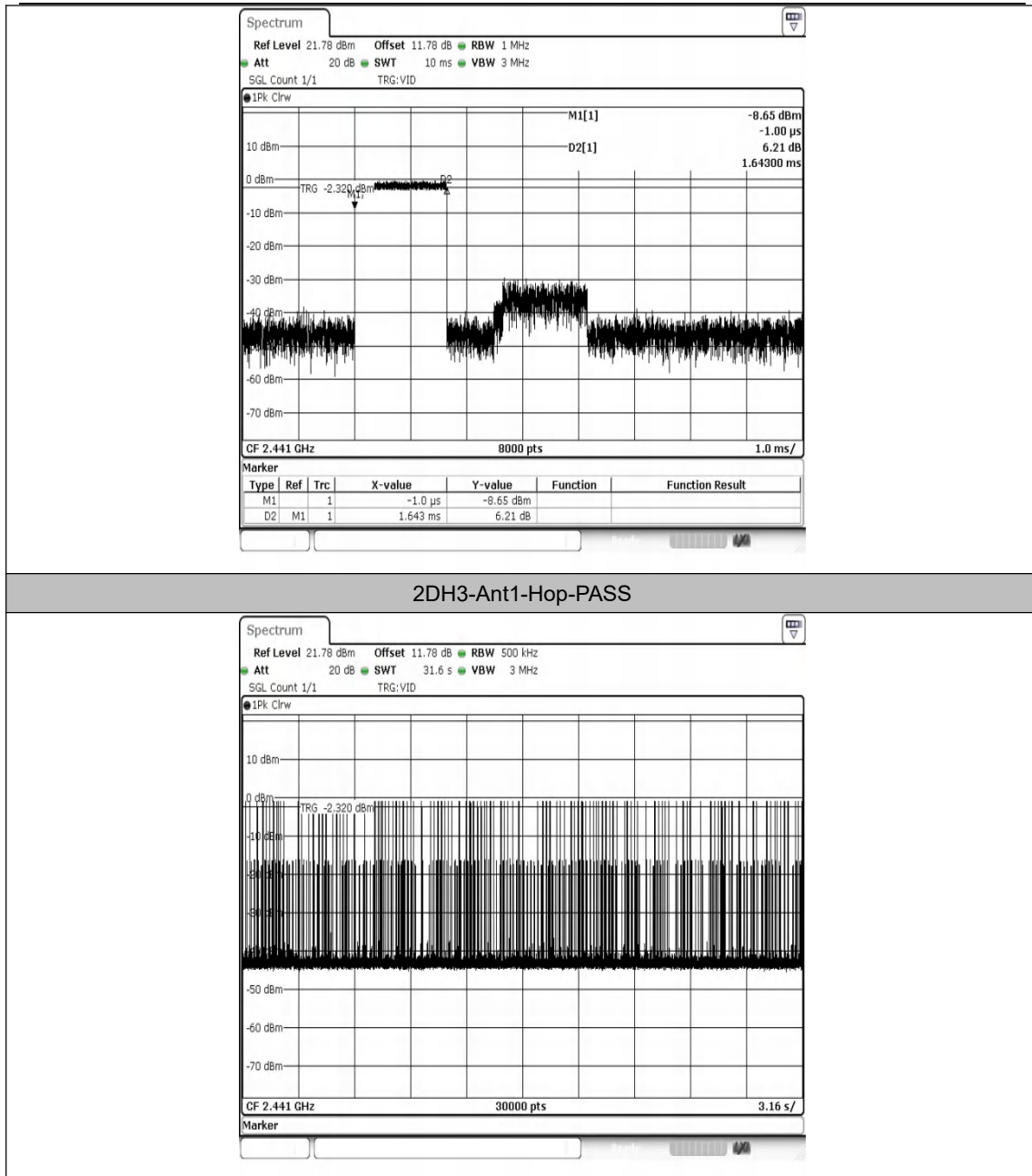
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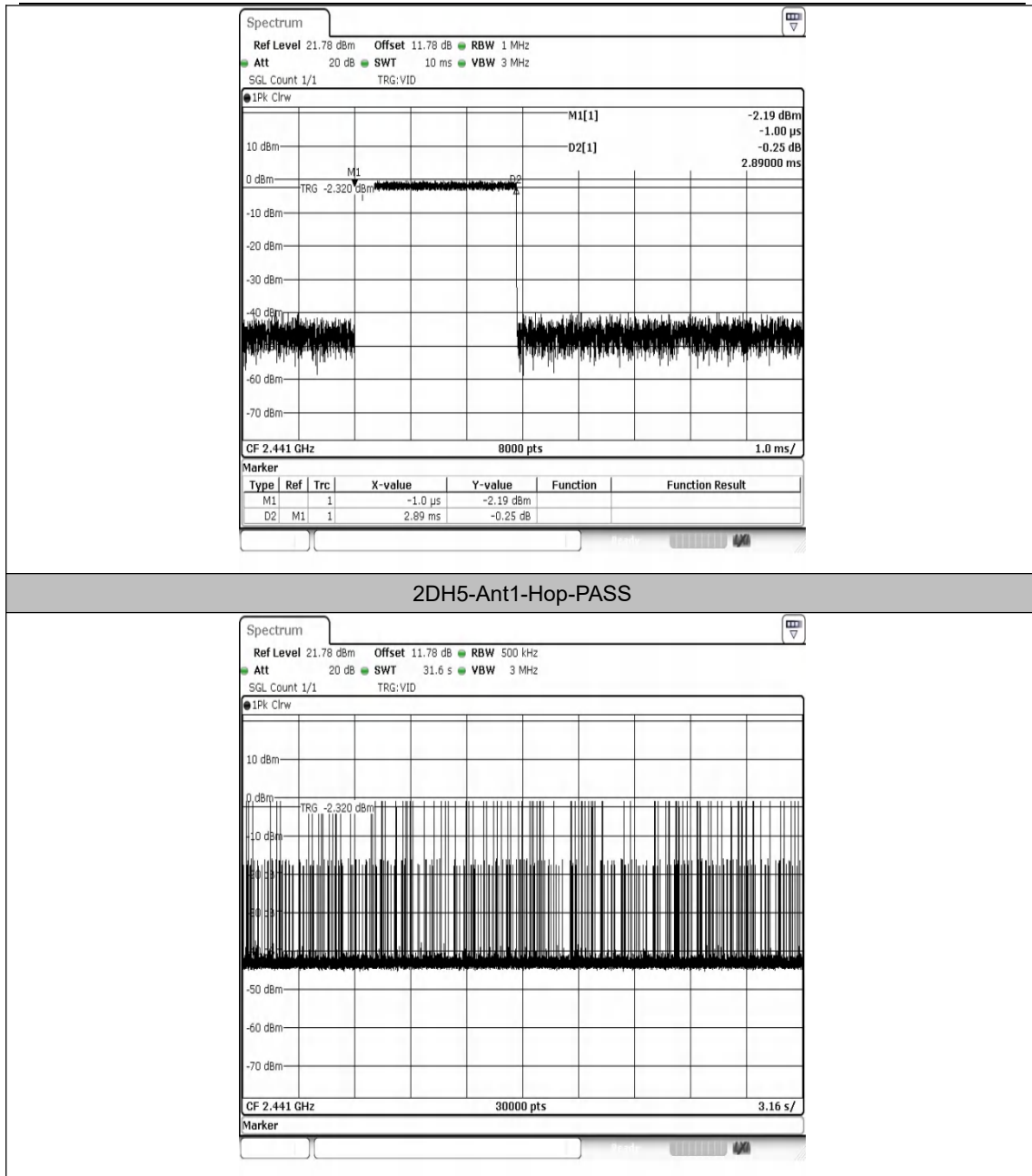
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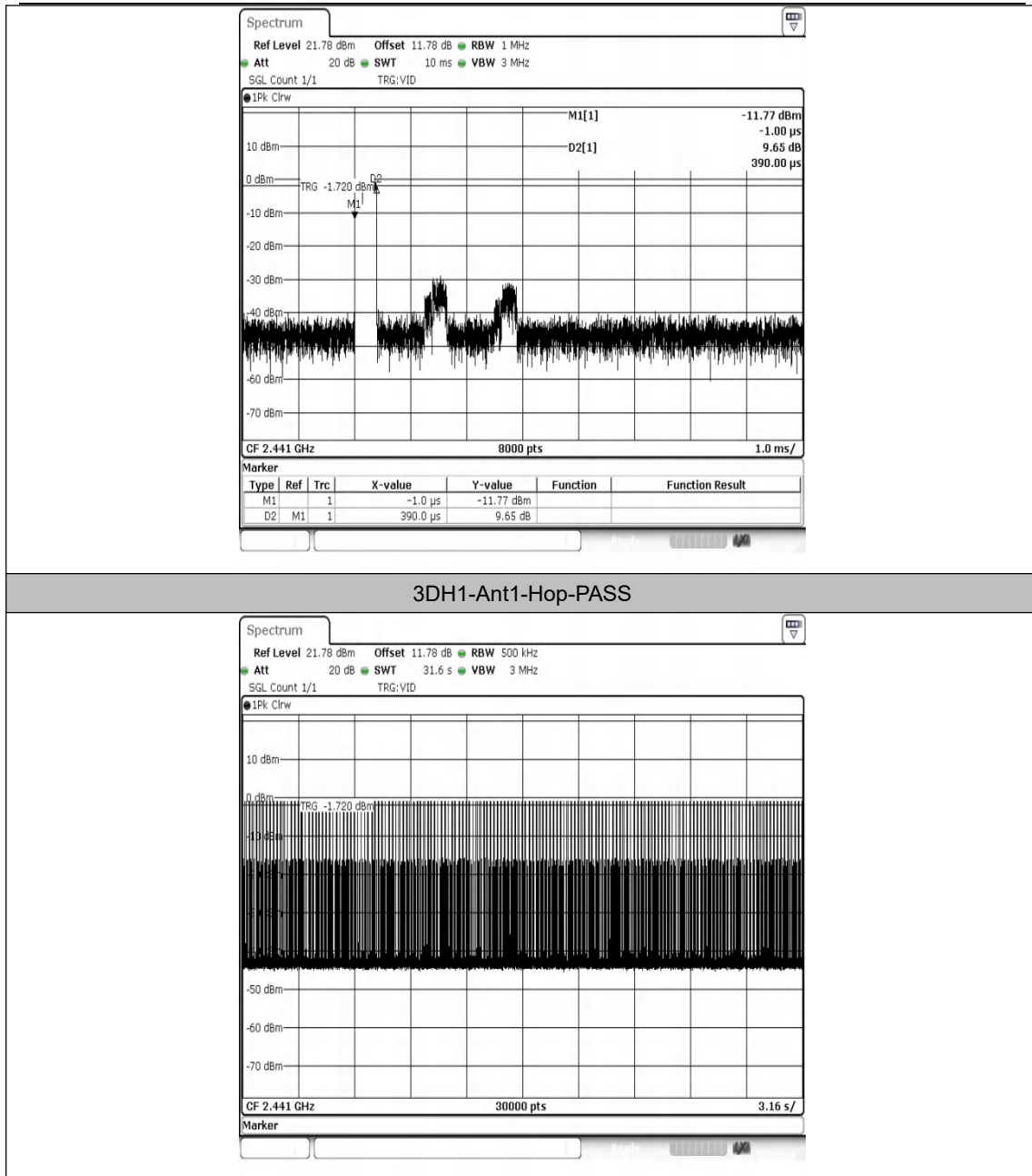
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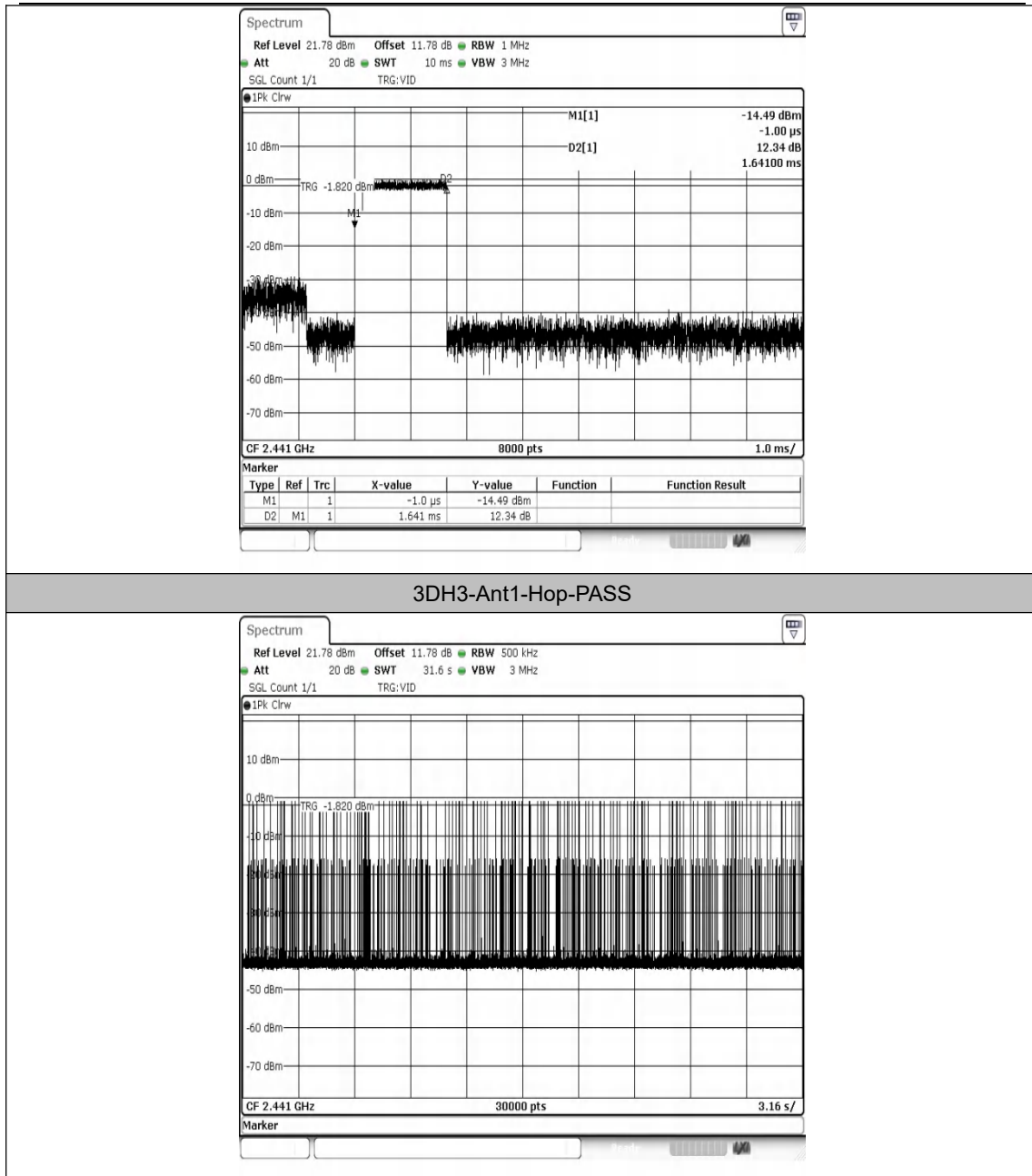
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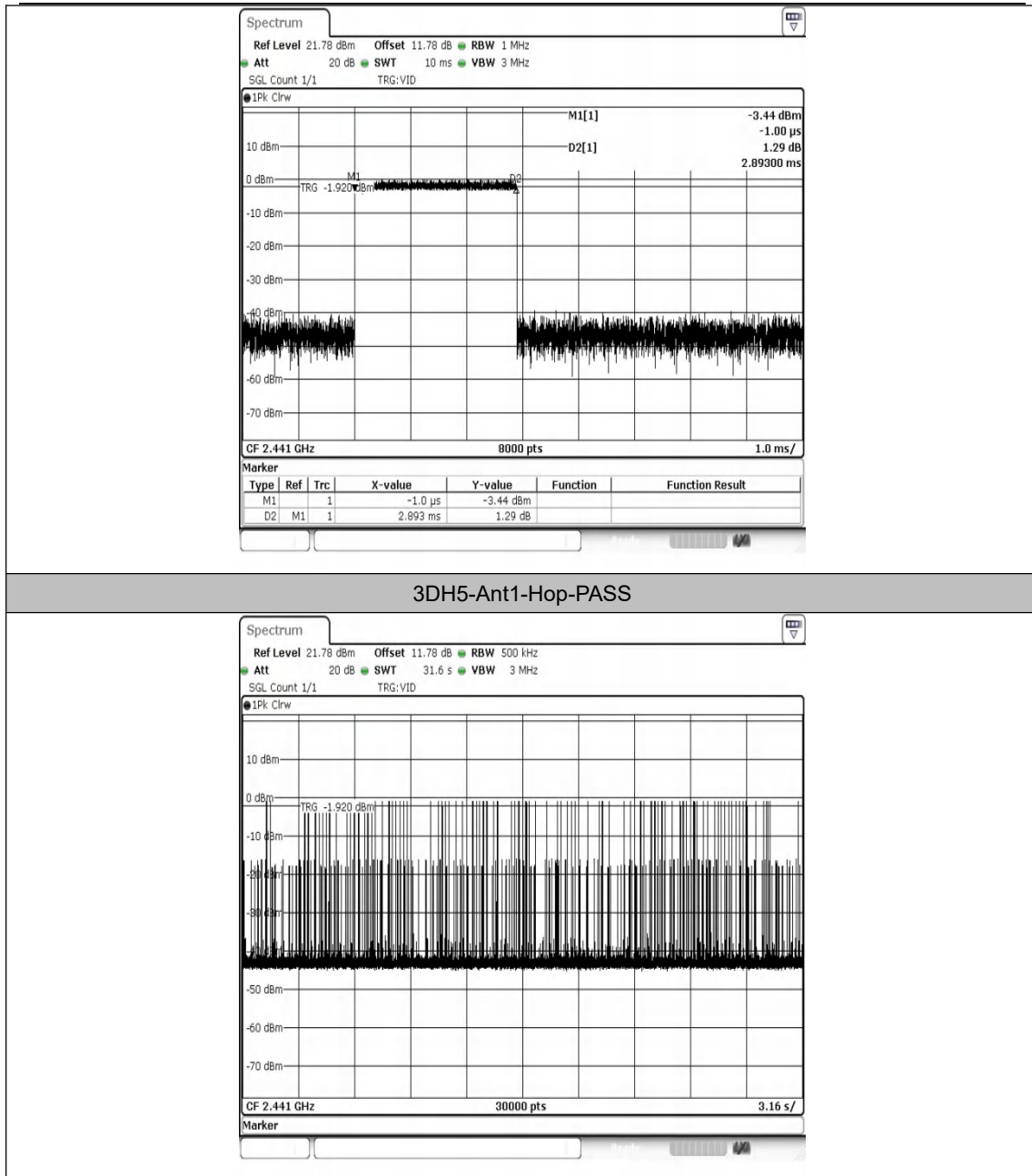
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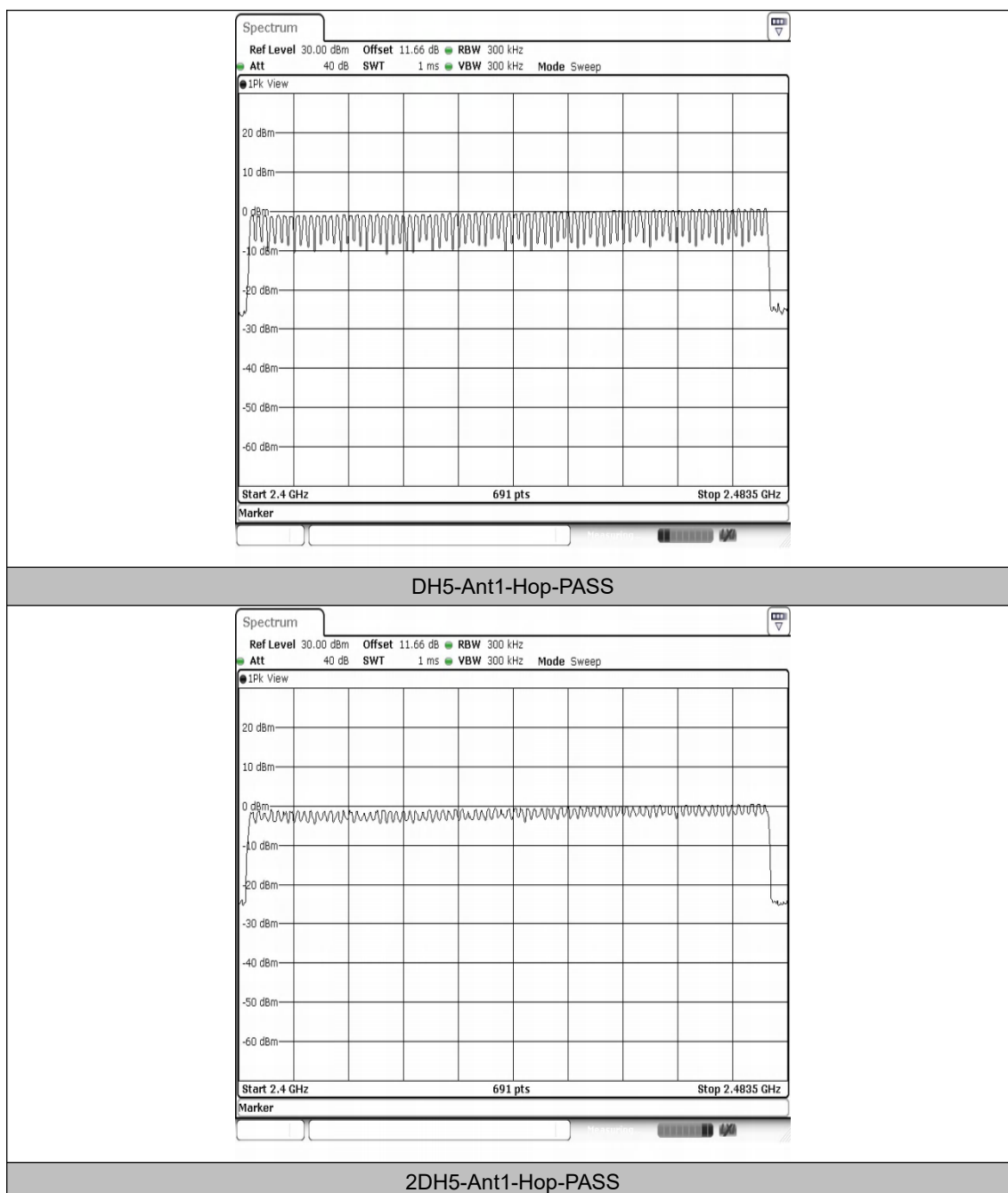
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Appendix F: Number of Hopping Channel

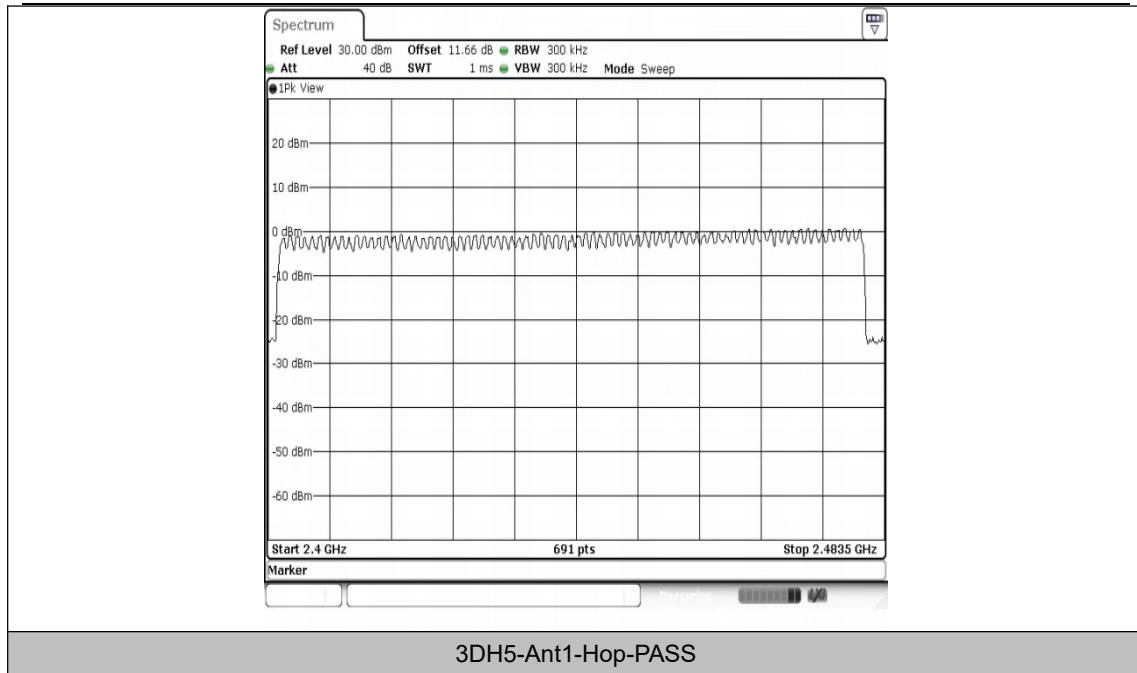
Test Result

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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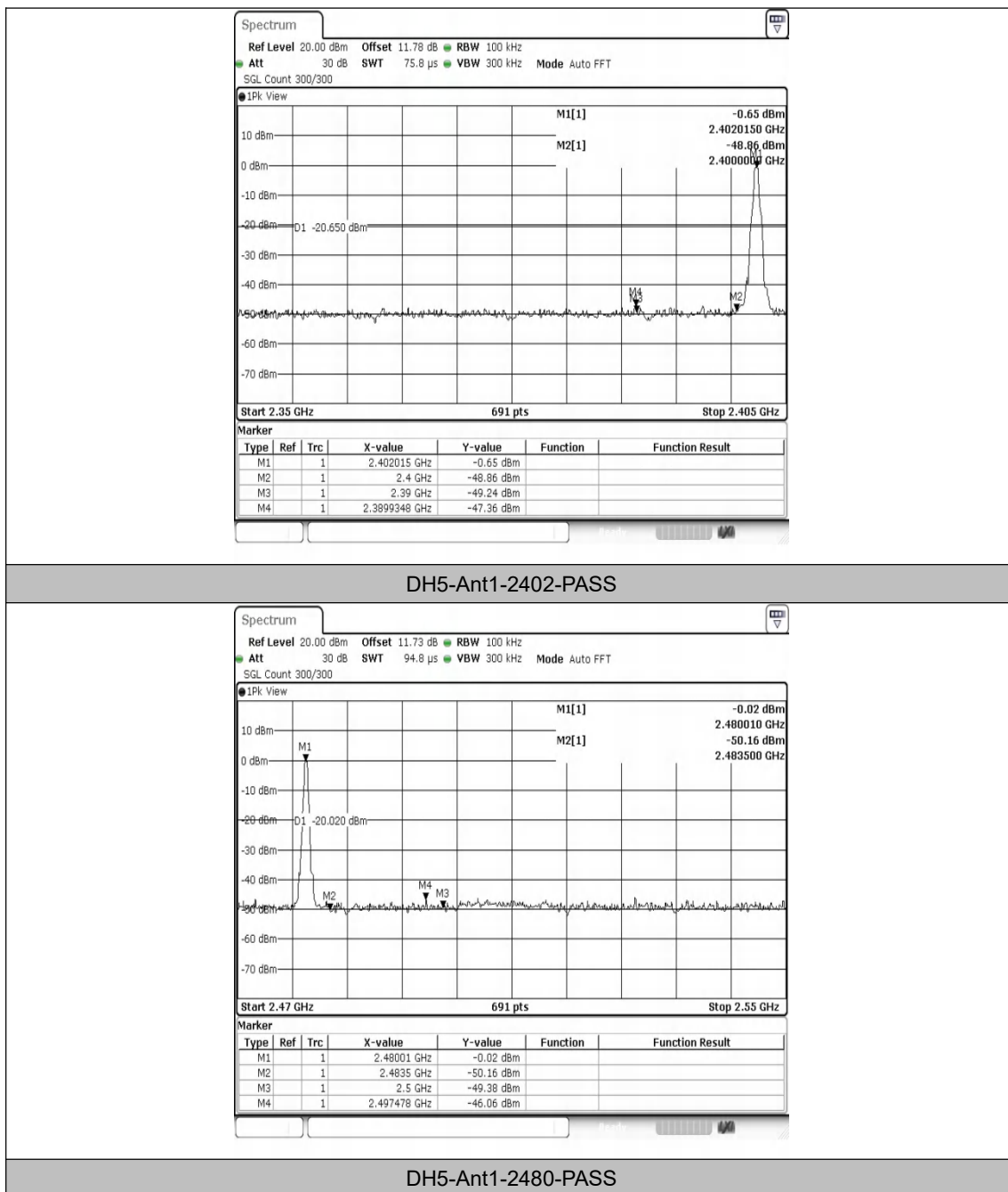
Appendix G: Conducted Band edge

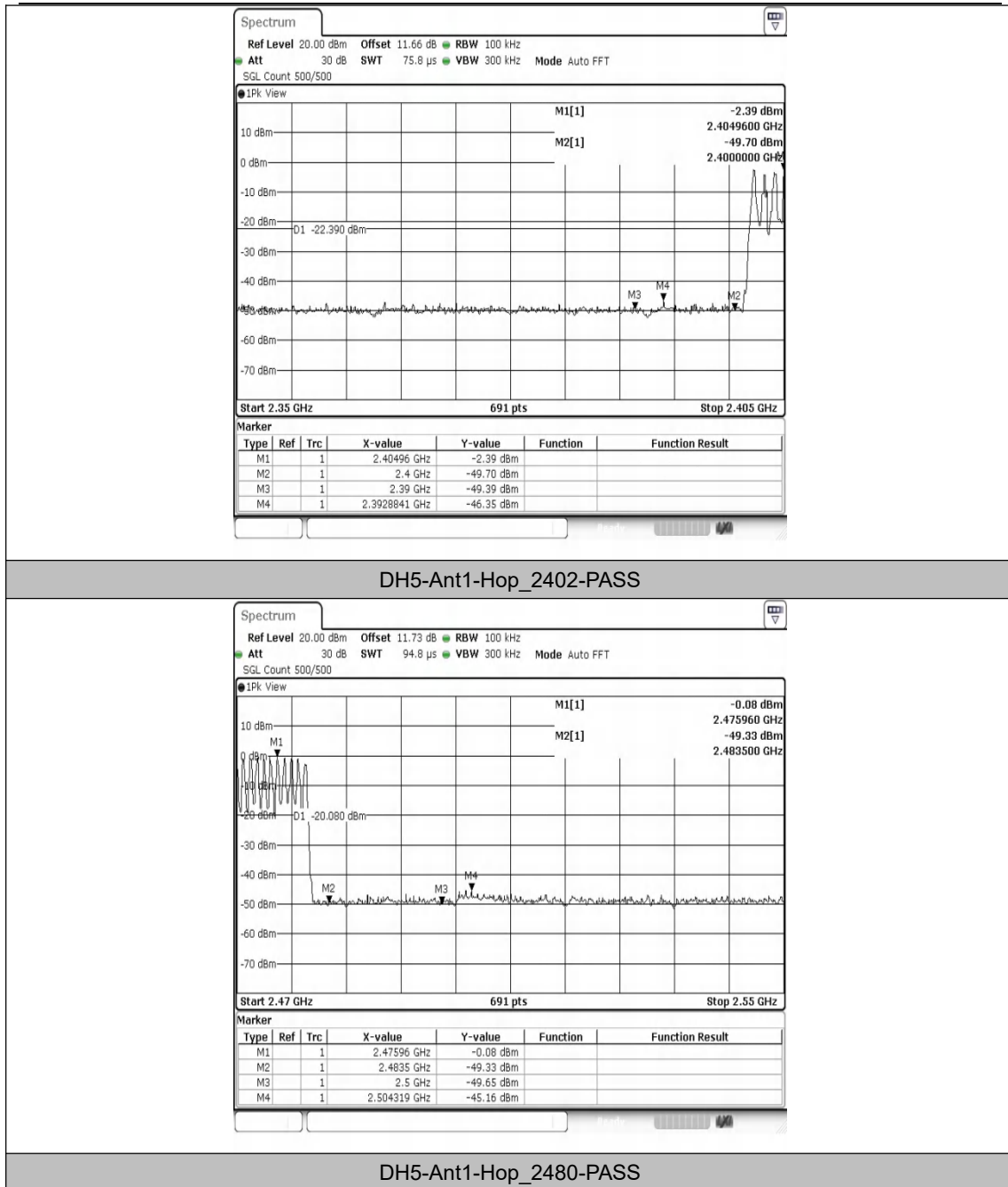
Test Result

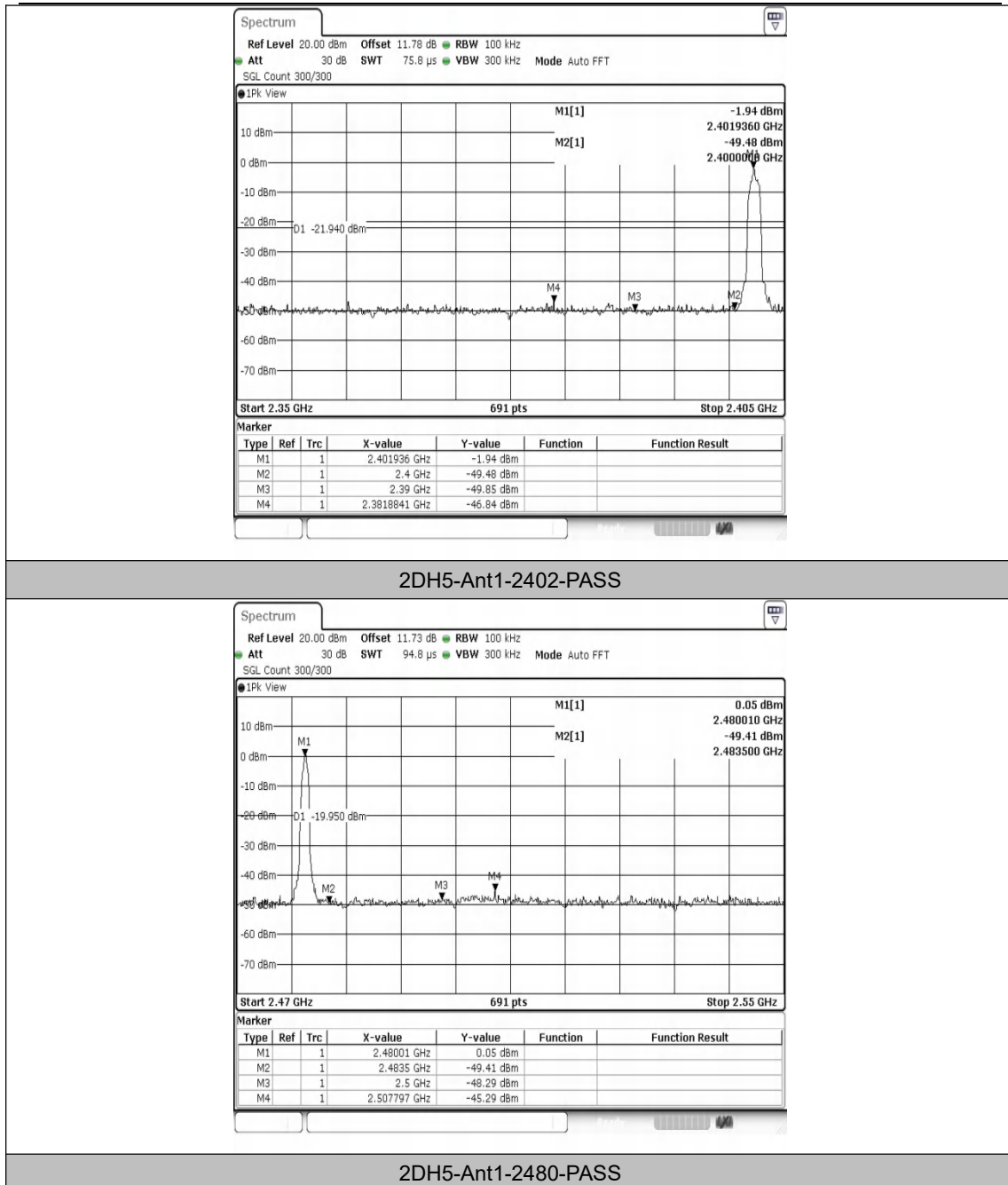
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.65	-47.36	≤-20.65	PASS
DH5	Ant1	High	2480	-0.02	-46.06	≤-20.02	PASS
DH5	Ant1	Low	Hop_2402	-2.39	-46.35	≤-22.39	PASS
DH5	Ant1	High	Hop_2480	-0.08	-45.16	≤-20.08	PASS
2DH5	Ant1	Low	2402	-1.94	-46.84	≤-21.94	PASS
2DH5	Ant1	High	2480	0.05	-45.29	≤-19.95	PASS
2DH5	Ant1	Low	Hop_2402	-6.66	-46.92	≤-26.66	PASS
2DH5	Ant1	High	Hop_2480	-0.11	-45.84	≤-20.11	PASS
3DH5	Ant1	Low	2402	-1.65	-47.45	≤-21.65	PASS
3DH5	Ant1	High	2480	0.16	-45.85	≤-19.84	PASS
3DH5	Ant1	Low	Hop_2402	-5.16	-47.31	≤-25.16	PASS
3DH5	Ant1	High	Hop_2480	-1.46	-45.35	≤-21.46	PASS

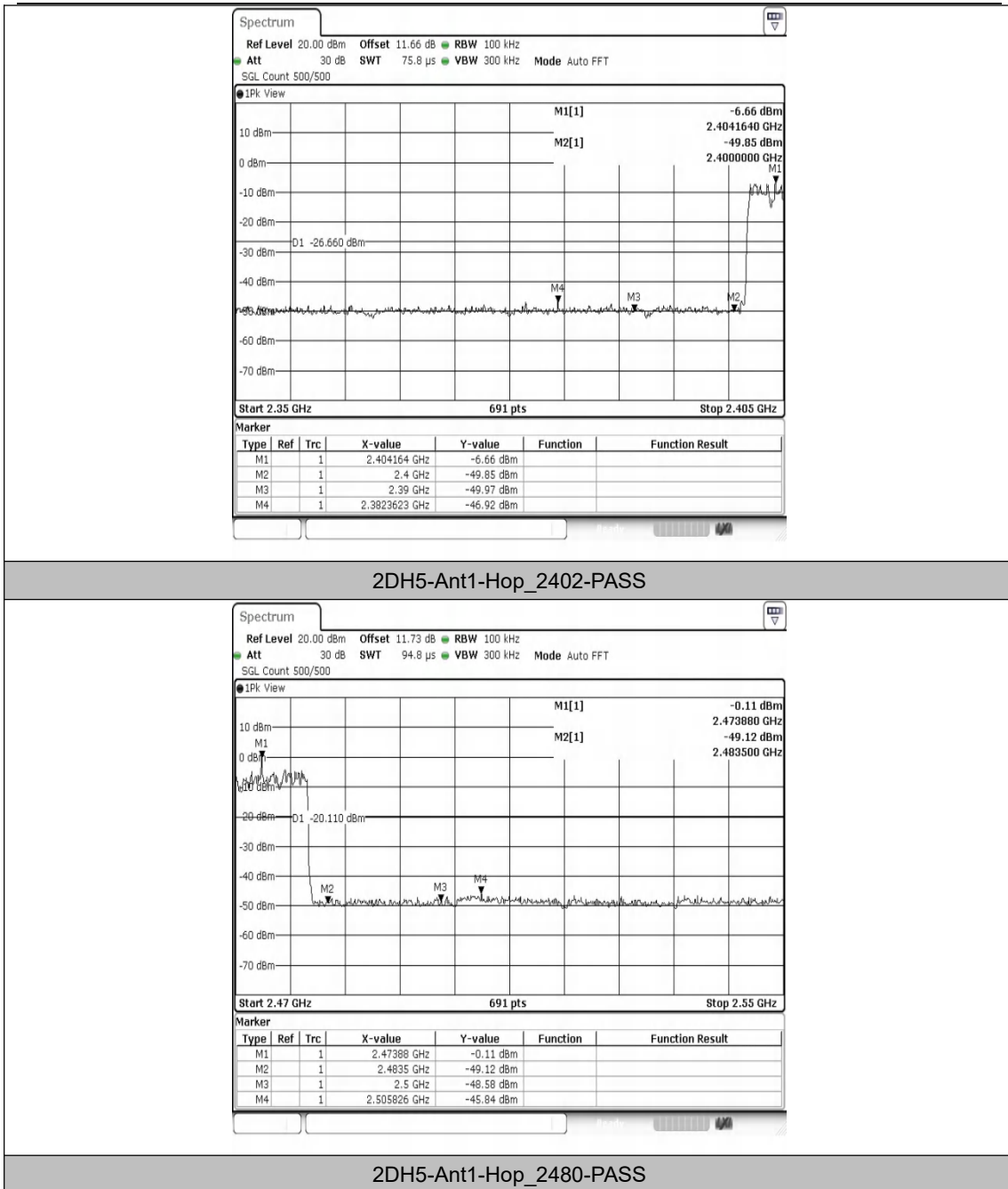


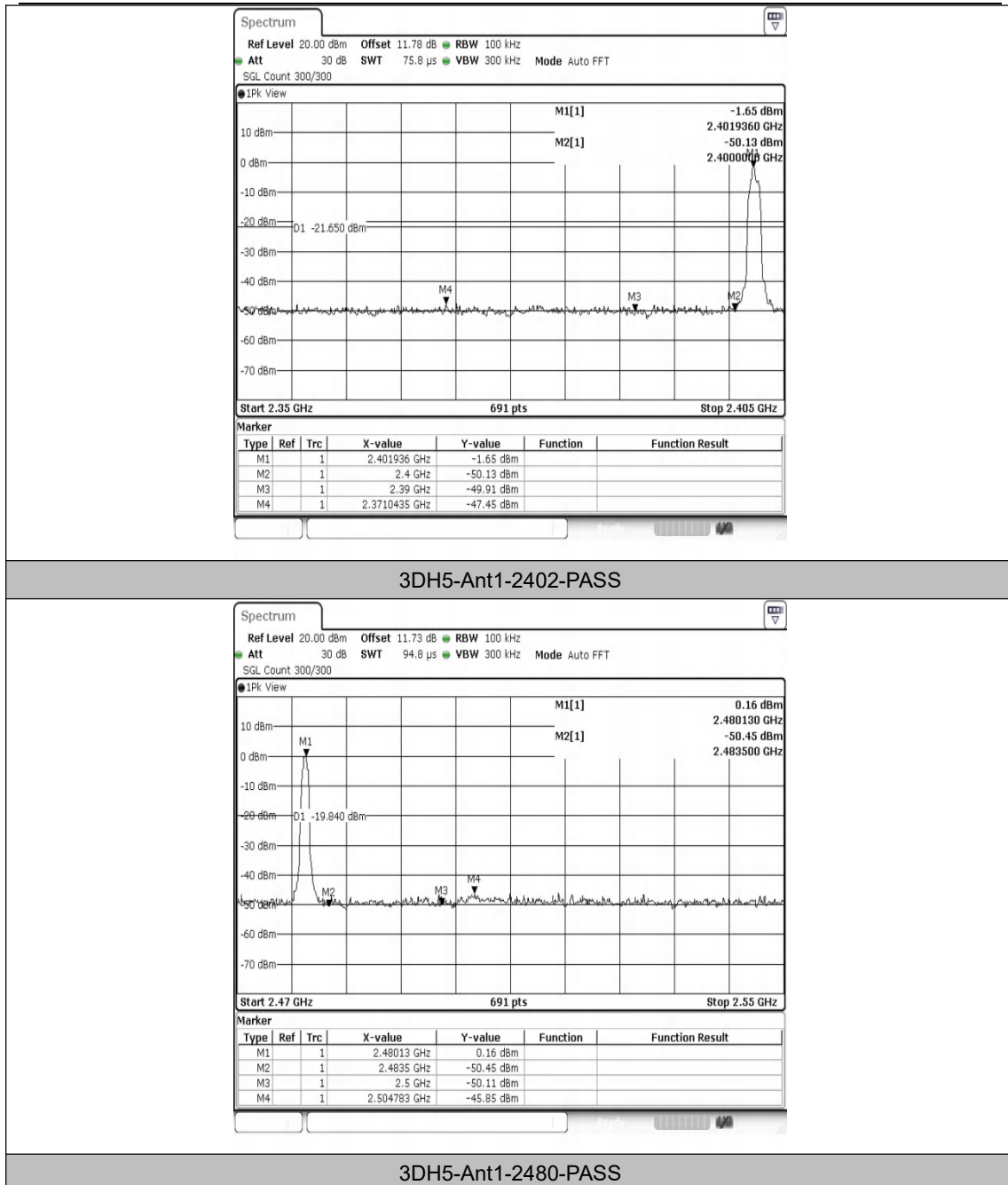
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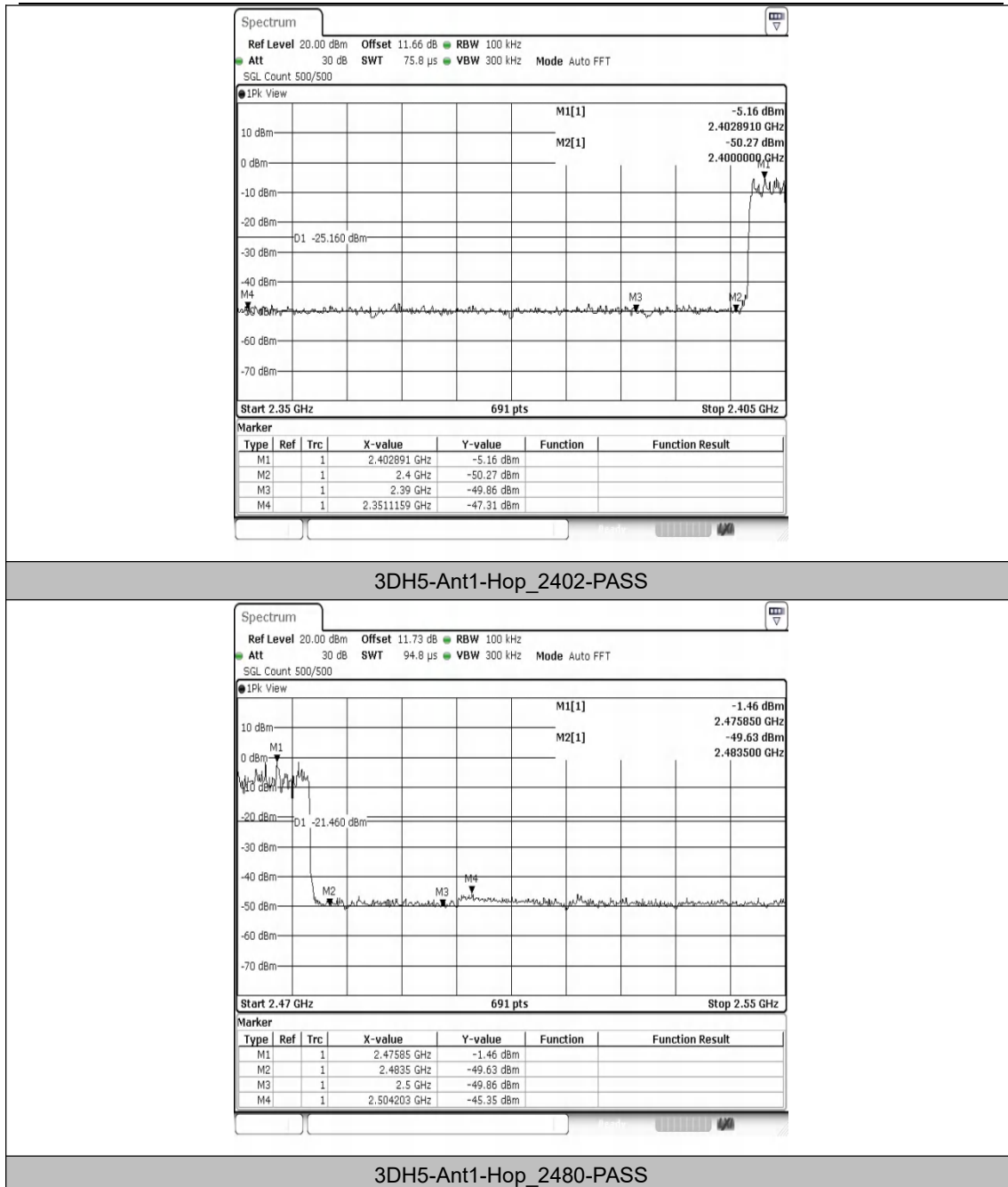












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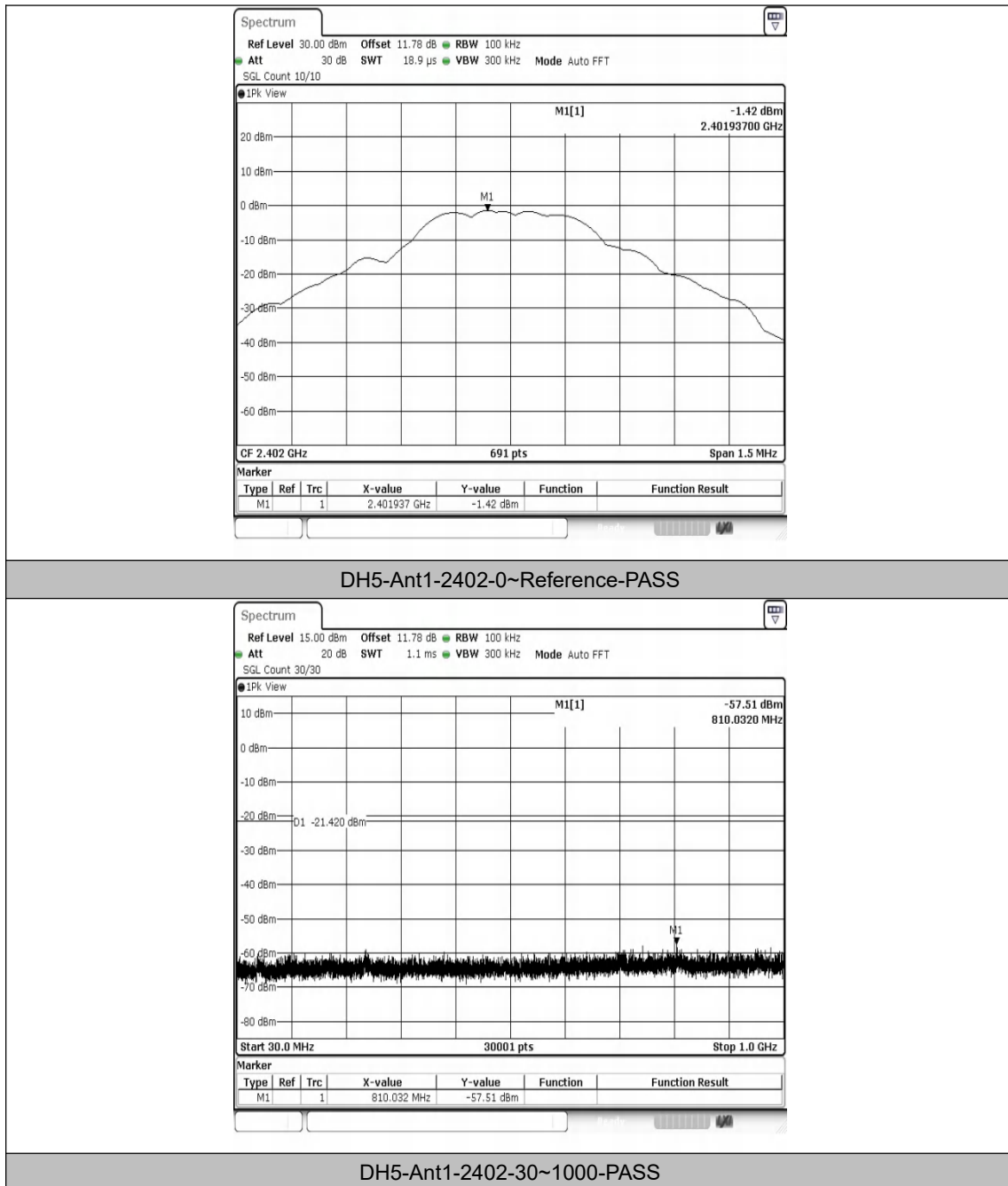
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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.42	-1.42	---	PASS
DH5	Ant1	2402	30~1000	-1.42	-57.51	≤-21.42	PASS
DH5	Ant1	2402	1000~26500	-1.42	-43.75	≤-21.42	PASS
DH5	Ant1	2441	0~Reference	-2.69	-2.69	---	PASS
DH5	Ant1	2441	30~1000	-2.69	-57.8	≤-22.69	PASS
DH5	Ant1	2441	1000~26500	-2.69	-43.63	≤-22.69	PASS
DH5	Ant1	2480	0~Reference	-1.17	-1.17	---	PASS
DH5	Ant1	2480	30~1000	-1.17	-58.13	≤-21.17	PASS
DH5	Ant1	2480	1000~26500	-1.17	-43.87	≤-21.17	PASS
2DH5	Ant1	2402	0~Reference	-5.52	-5.52	---	PASS
2DH5	Ant1	2402	30~1000	-5.52	-57.83	≤-25.52	PASS
2DH5	Ant1	2402	1000~26500	-5.52	-44.22	≤-25.52	PASS
2DH5	Ant1	2441	0~Reference	-1.02	-1.02	---	PASS
2DH5	Ant1	2441	30~1000	-1.02	-57.6	≤-21.02	PASS
2DH5	Ant1	2441	1000~26500	-1.02	-43.38	≤-21.02	PASS
2DH5	Ant1	2480	0~Reference	-4.66	-4.66	---	PASS
2DH5	Ant1	2480	30~1000	-4.66	-57.46	≤-24.66	PASS
2DH5	Ant1	2480	1000~26500	-4.66	-40.83	≤-24.66	PASS
3DH5	Ant1	2402	0~Reference	-6.05	-6.05	---	PASS
3DH5	Ant1	2402	30~1000	-6.05	-58.13	≤-26.05	PASS
3DH5	Ant1	2402	1000~26500	-6.05	-43.27	≤-26.05	PASS
3DH5	Ant1	2441	0~Reference	-5.11	-5.11	---	PASS
3DH5	Ant1	2441	30~1000	-5.11	-51.86	≤-25.11	PASS
3DH5	Ant1	2441	1000~26500	-5.11	-42.82	≤-25.11	PASS
3DH5	Ant1	2480	0~Reference	0.10	0.10	---	PASS
3DH5	Ant1	2480	30~1000	0.10	-32.88	≤-19.9	PASS
3DH5	Ant1	2480	1000~26500	0.10	-43.93	≤-19.9	PASS

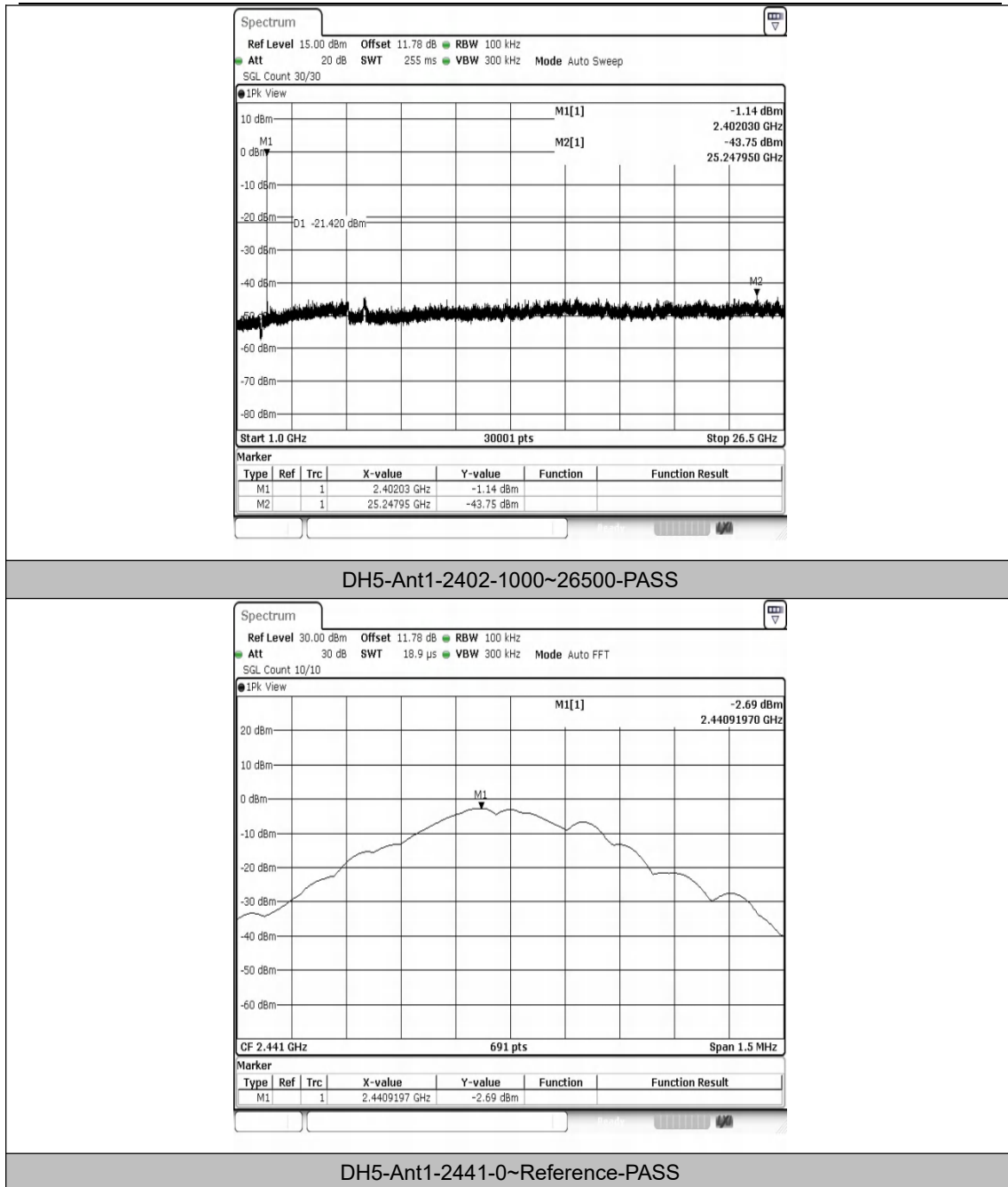
Test Graphs

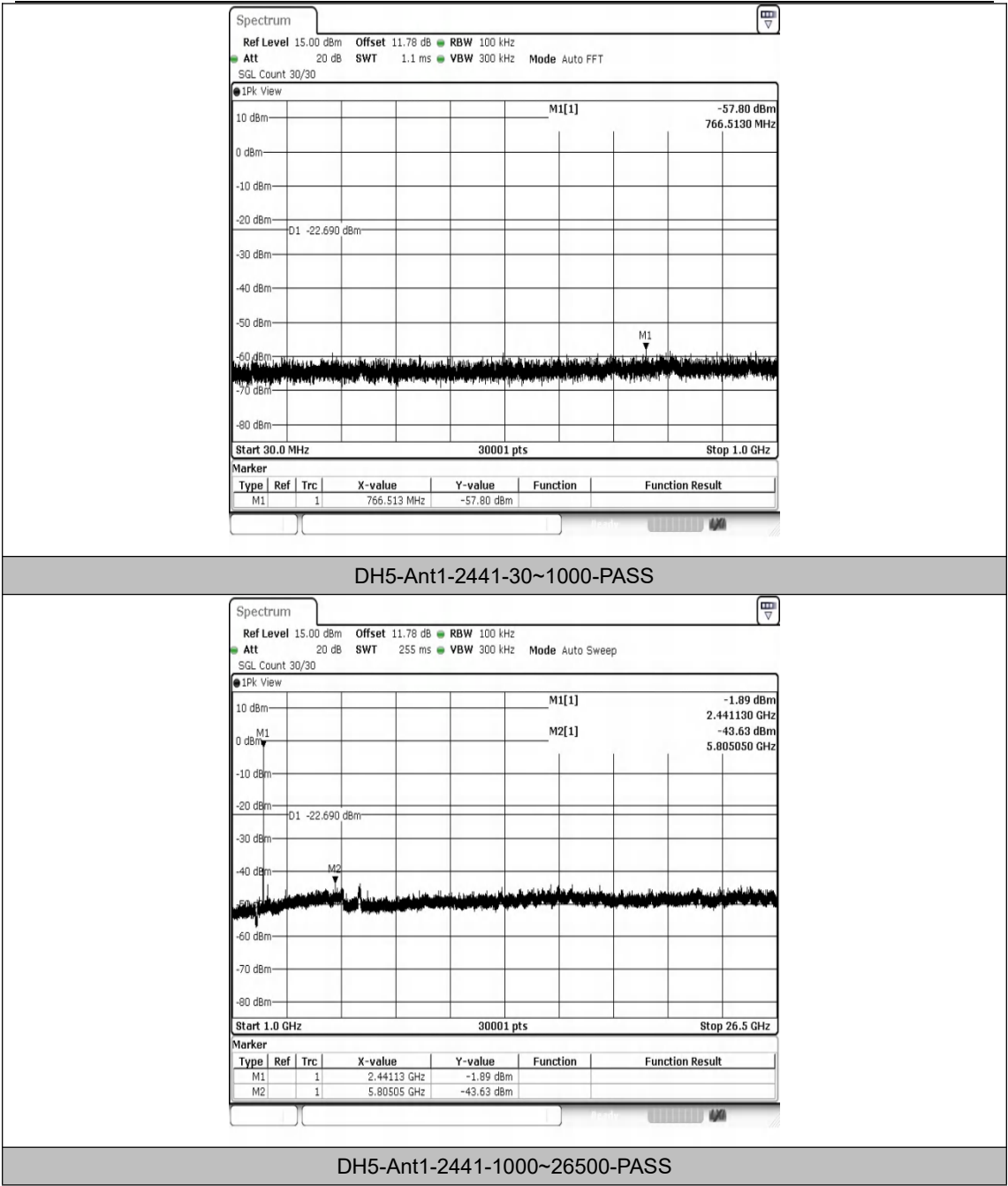


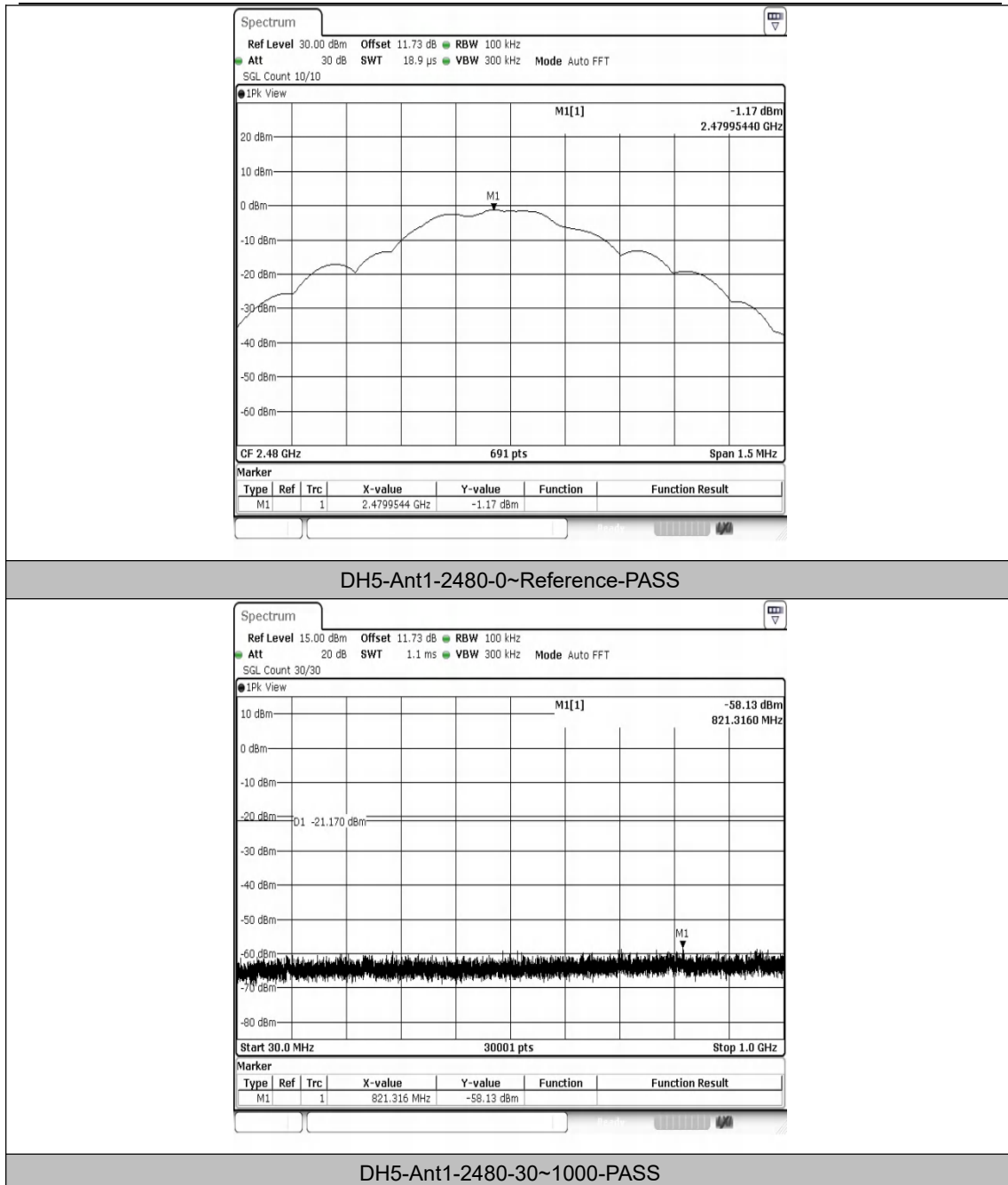
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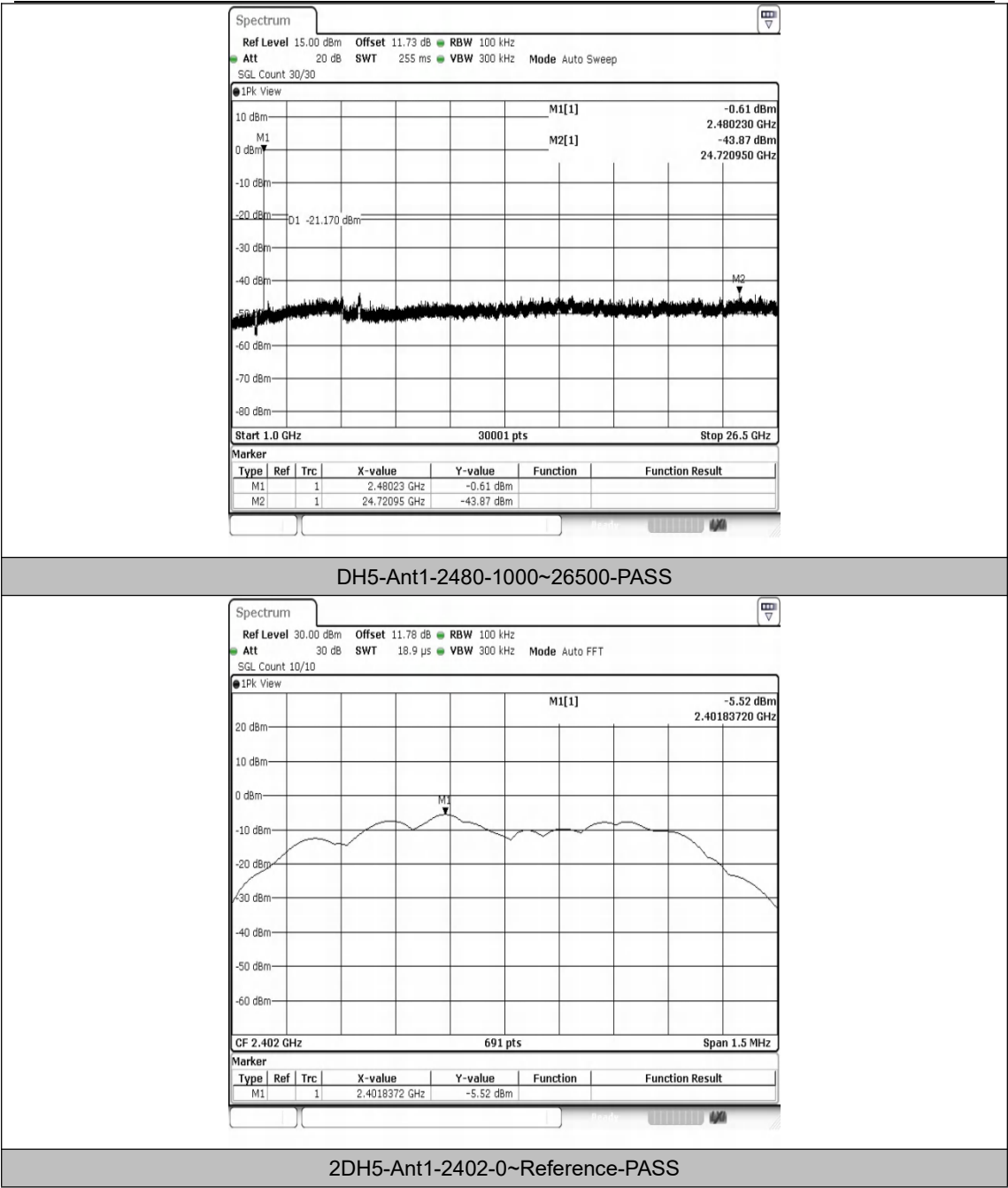
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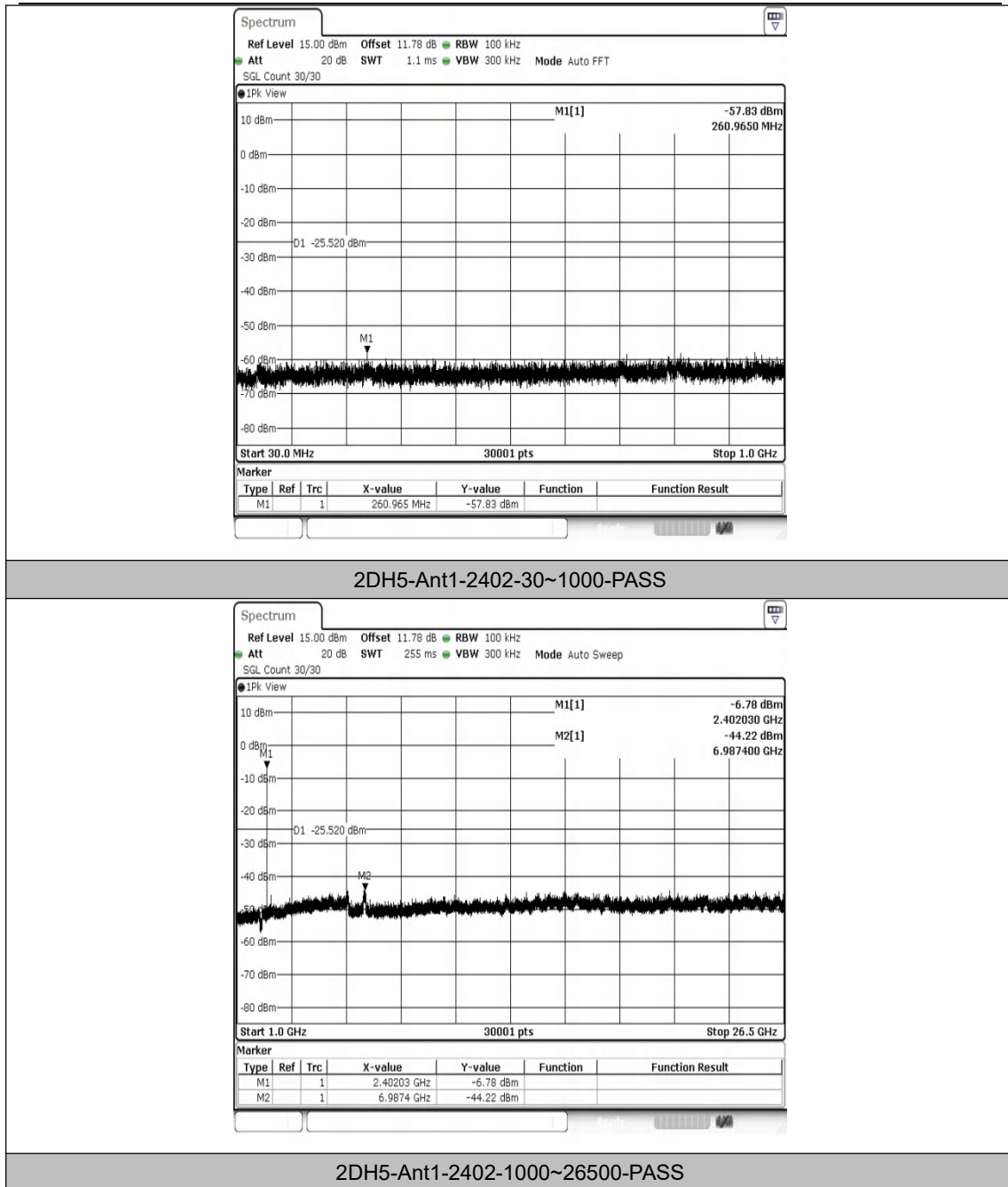
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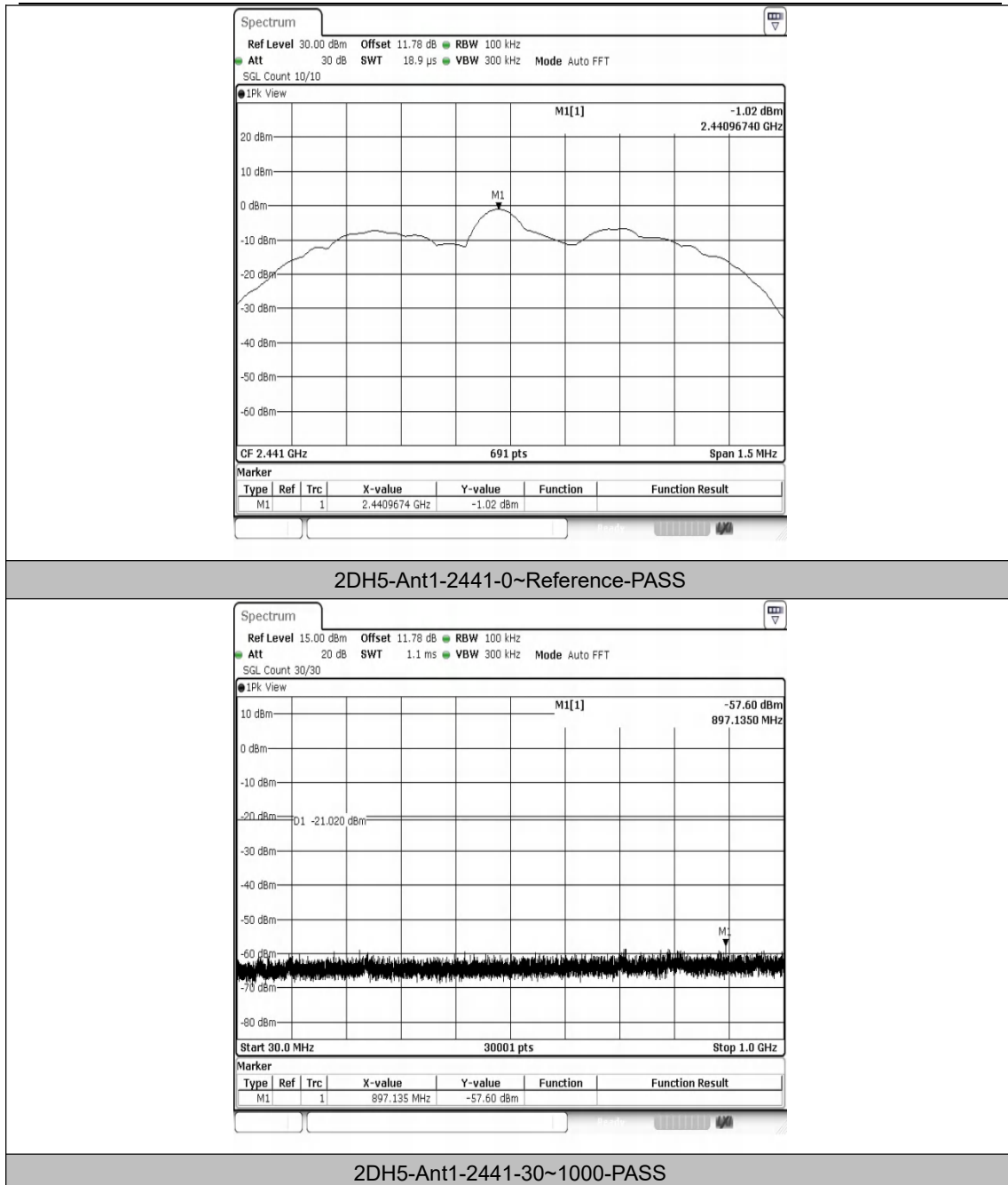


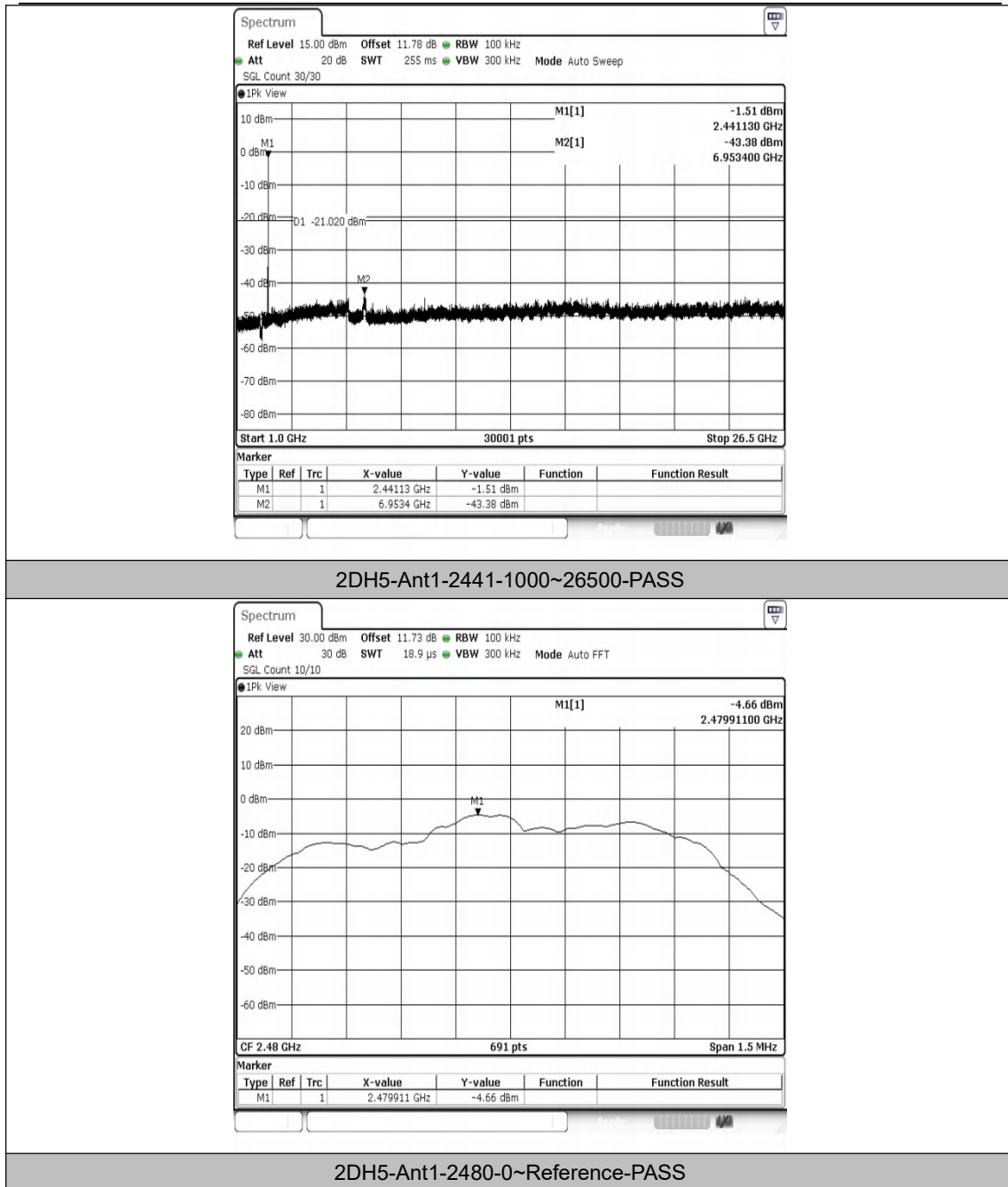


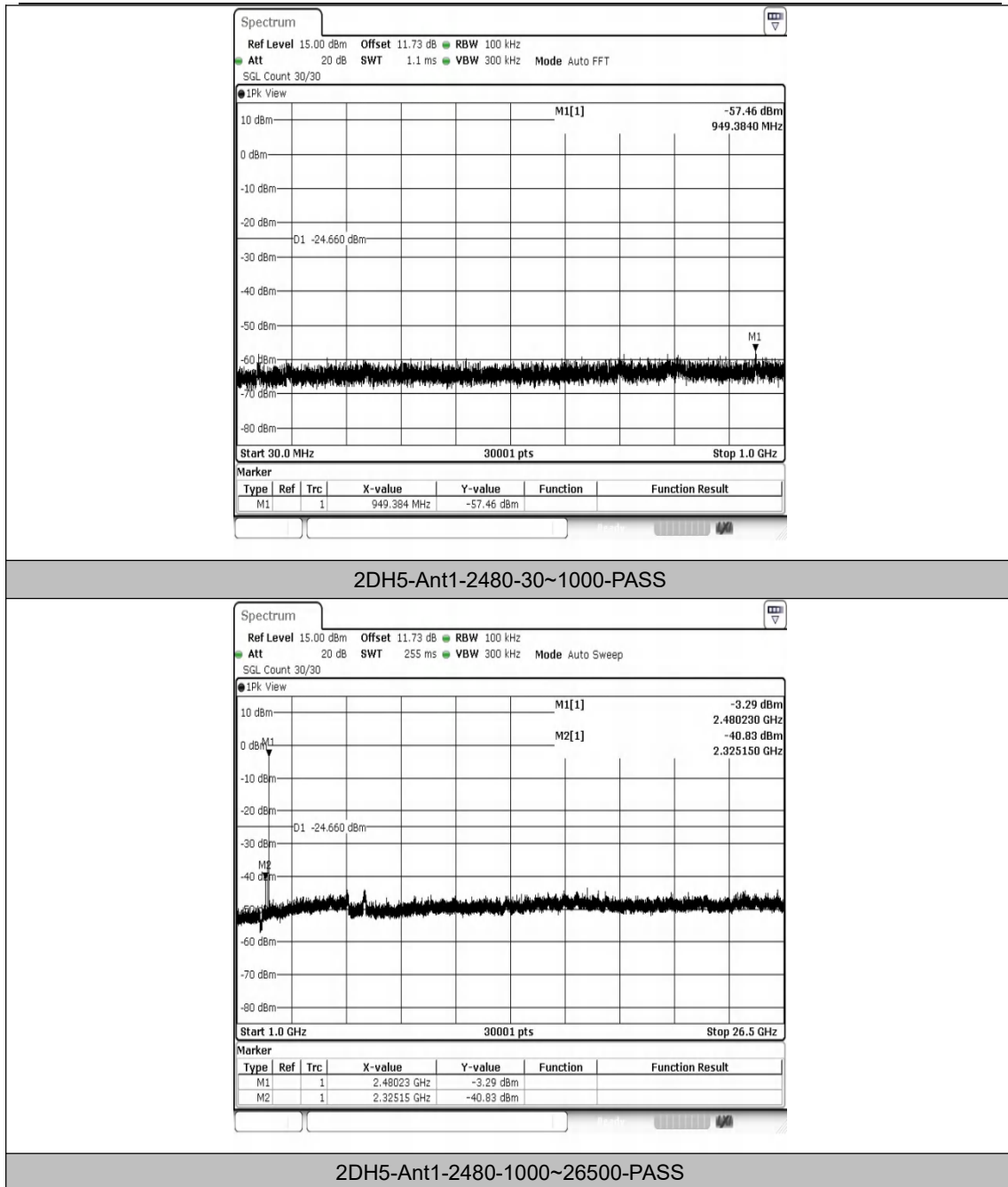
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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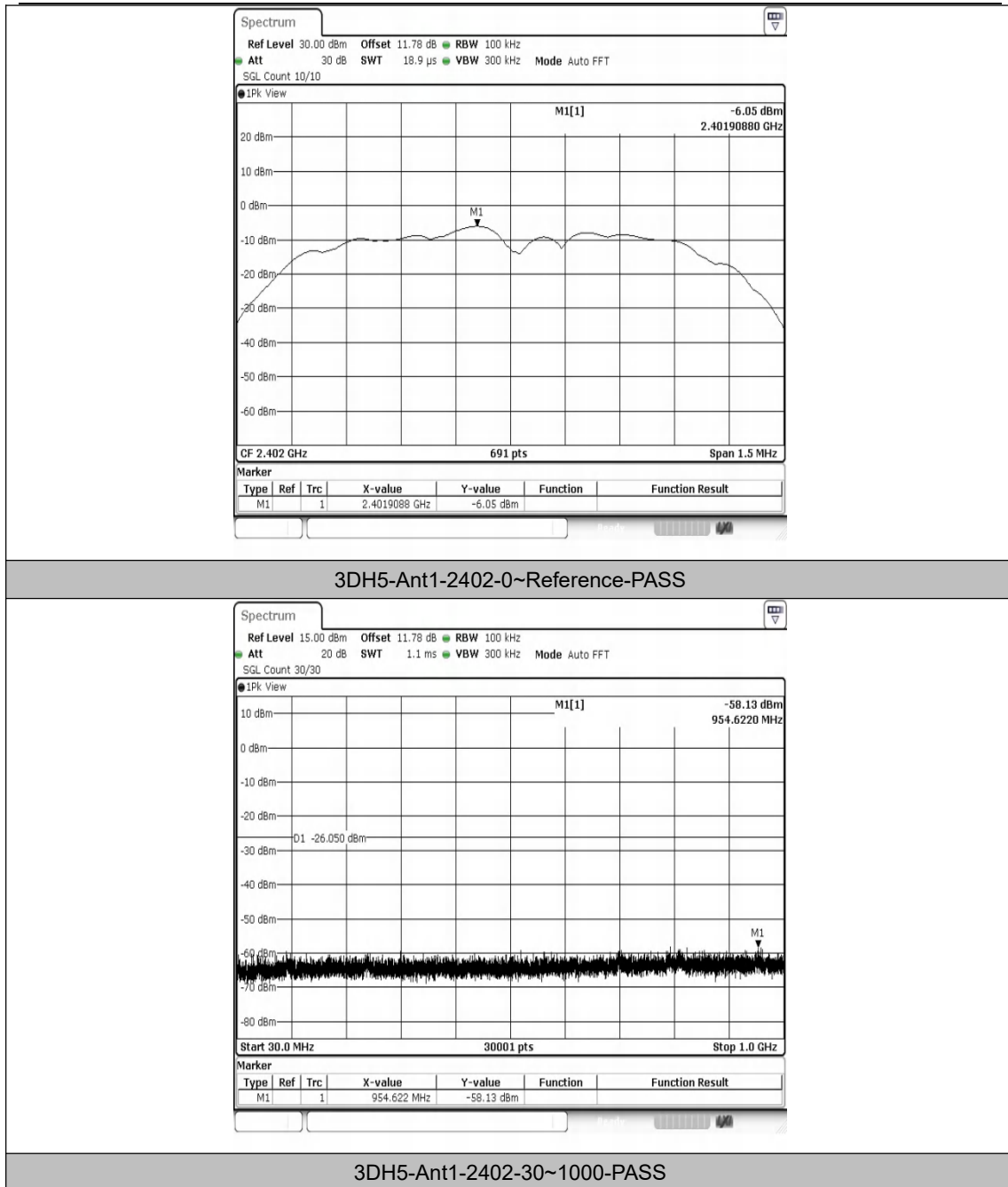


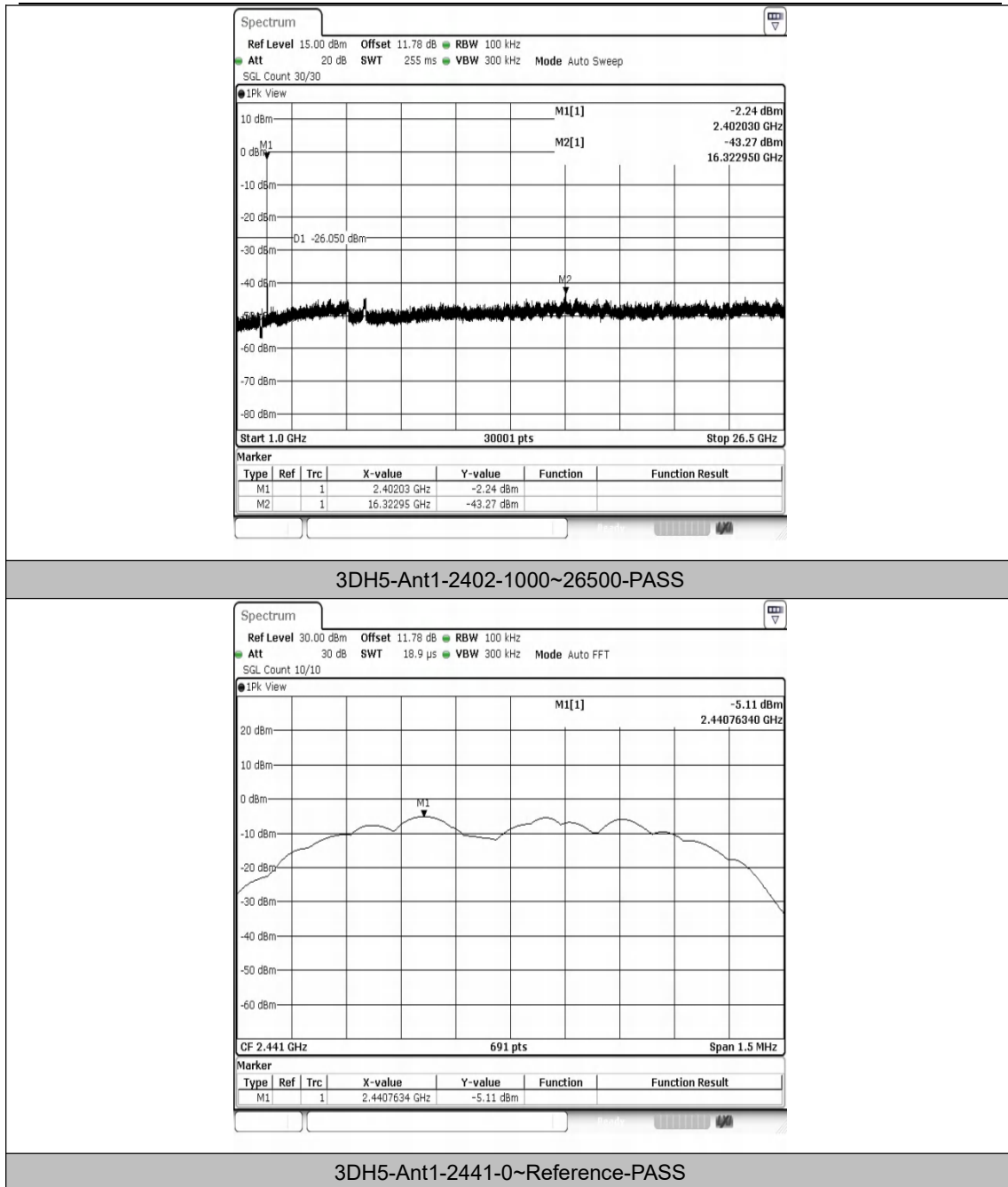


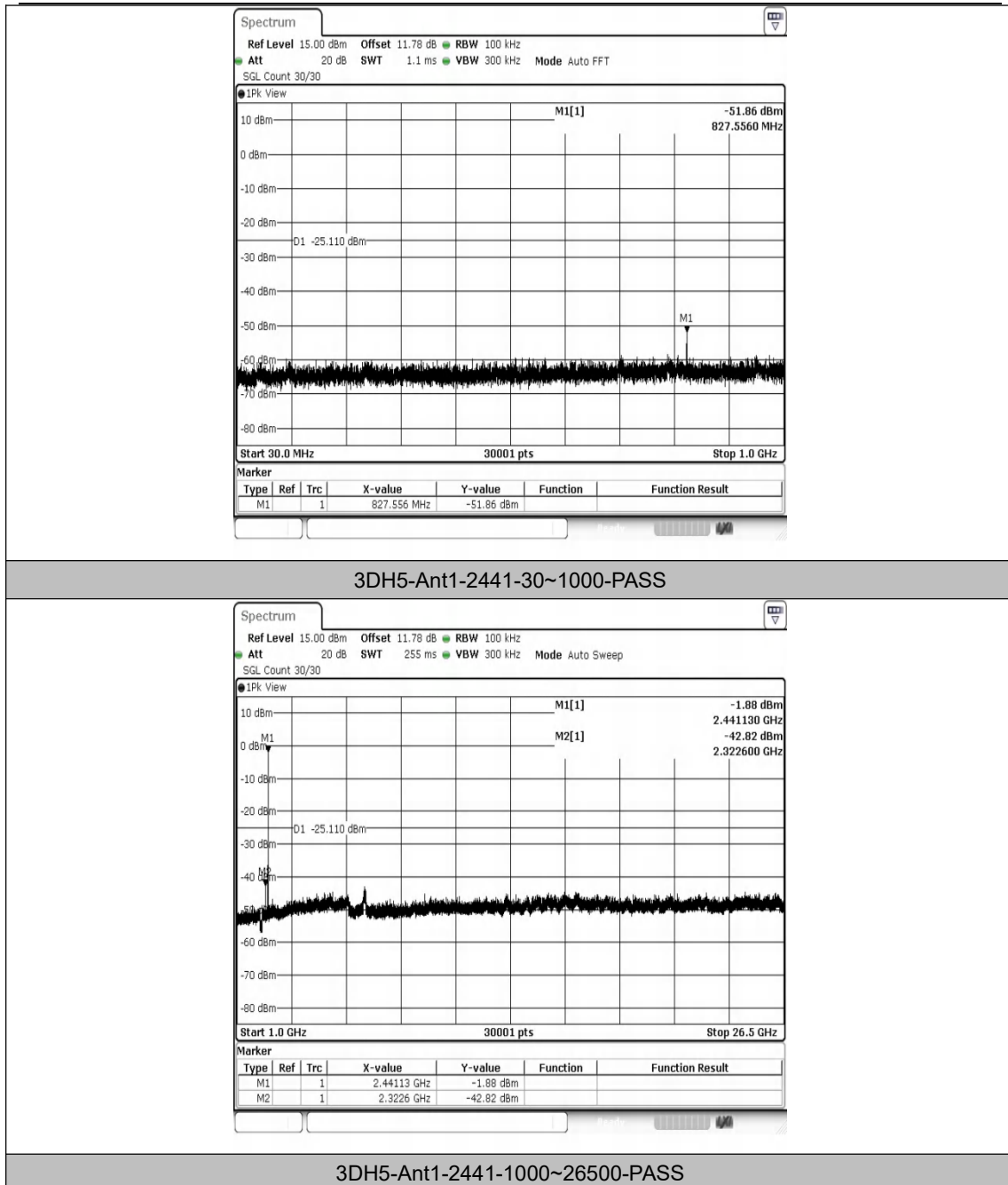
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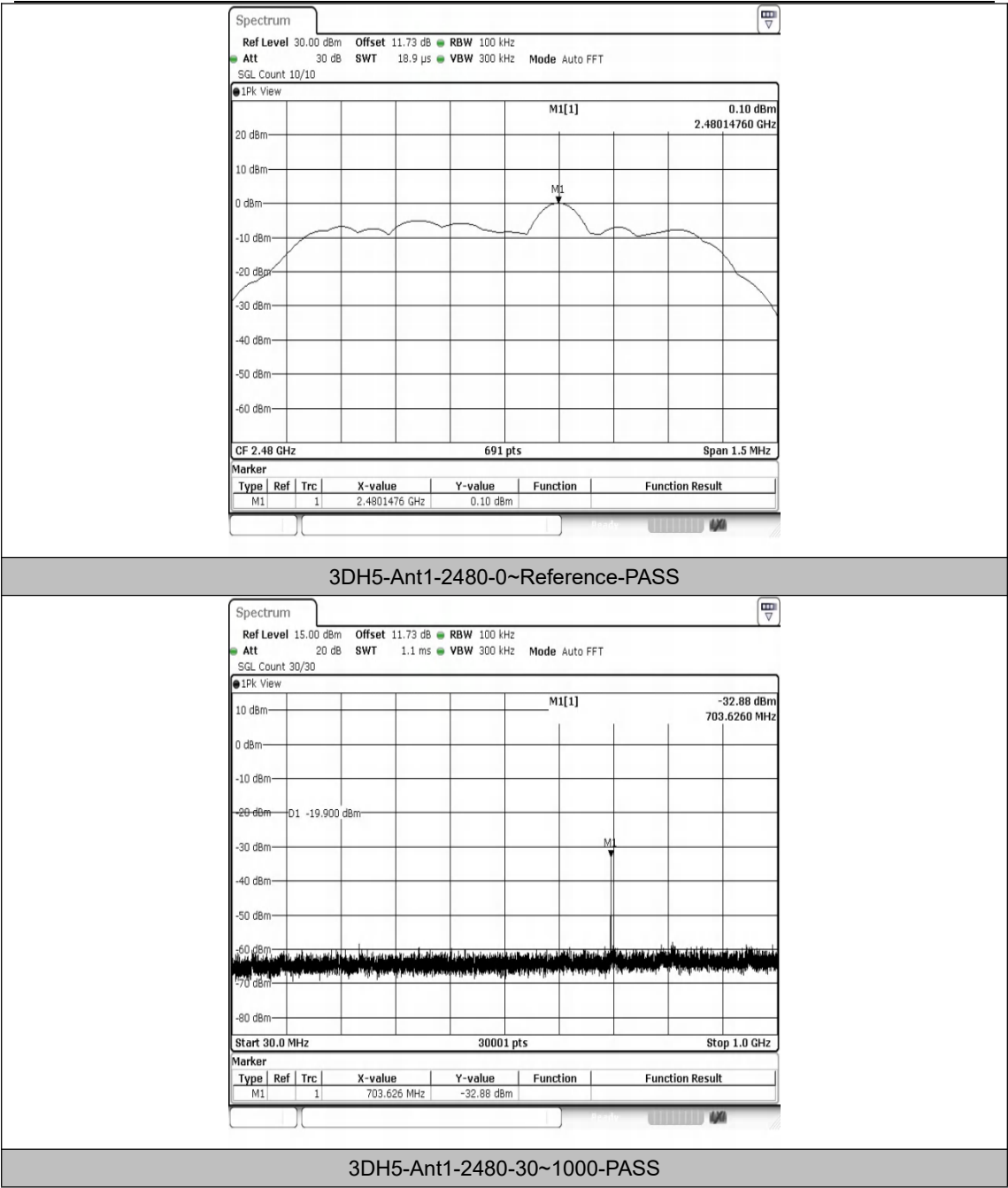
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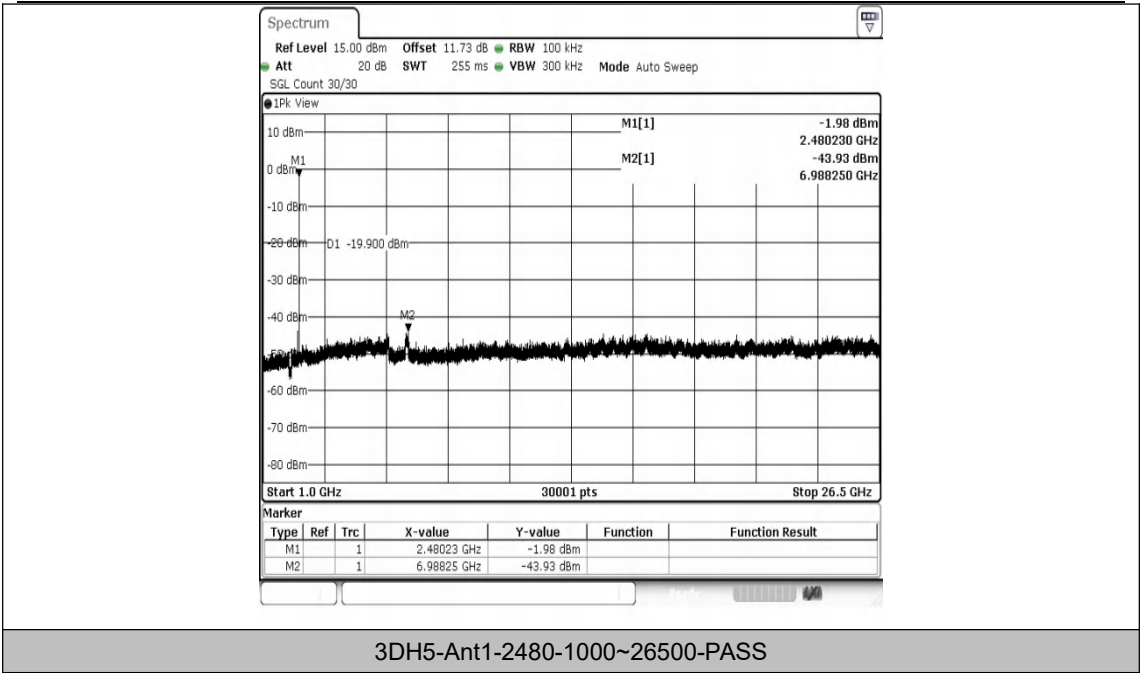
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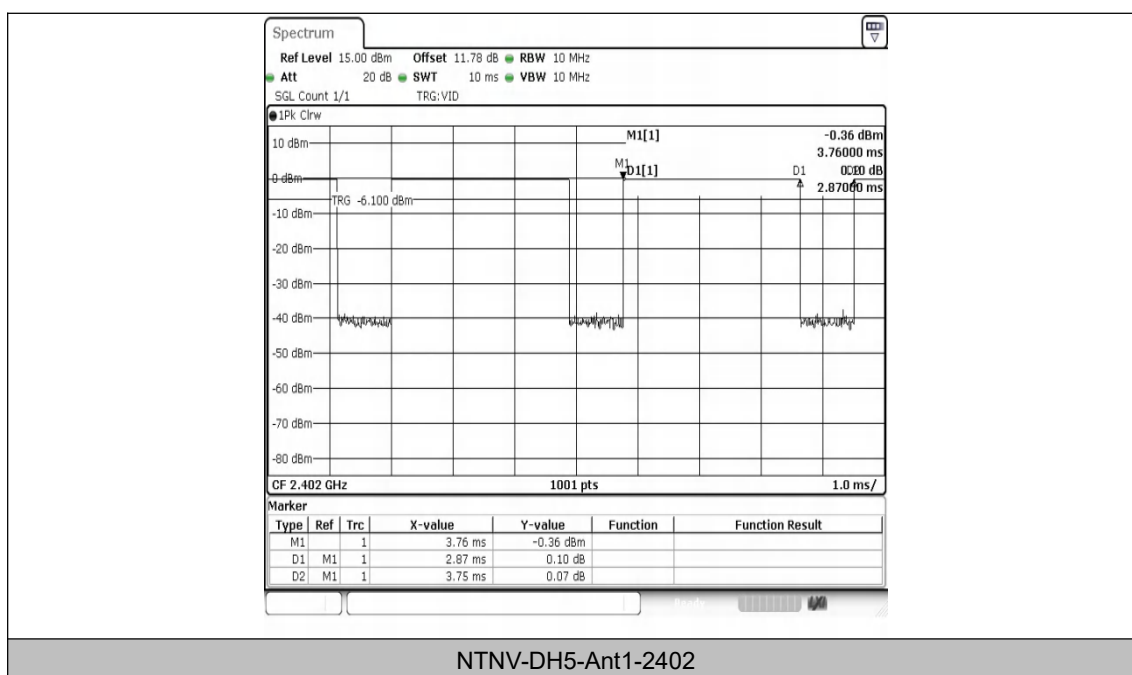
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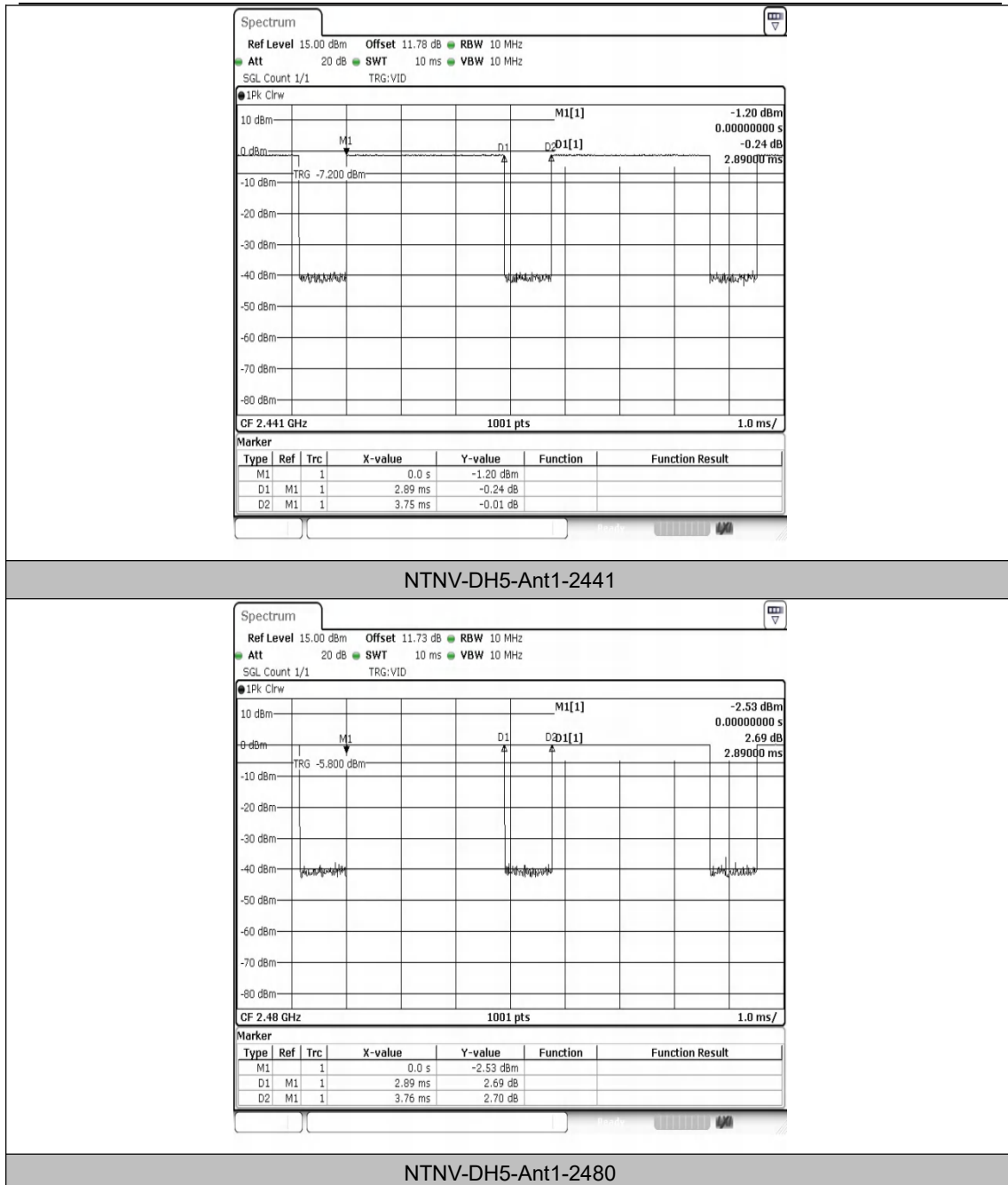
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.76	76.86	1.14
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.76	77.13	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	3.76	77.13	1.13
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

Test Graphs



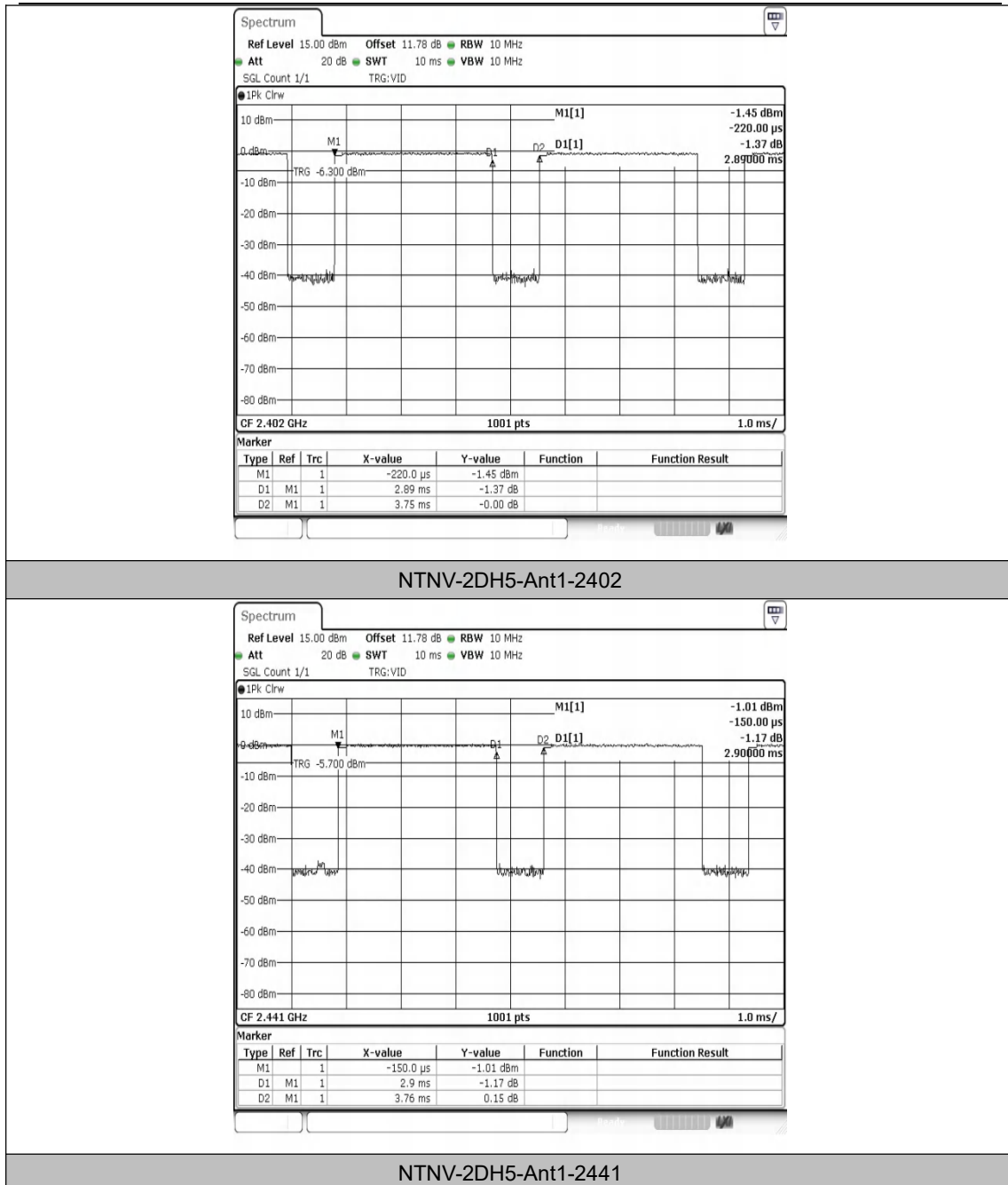


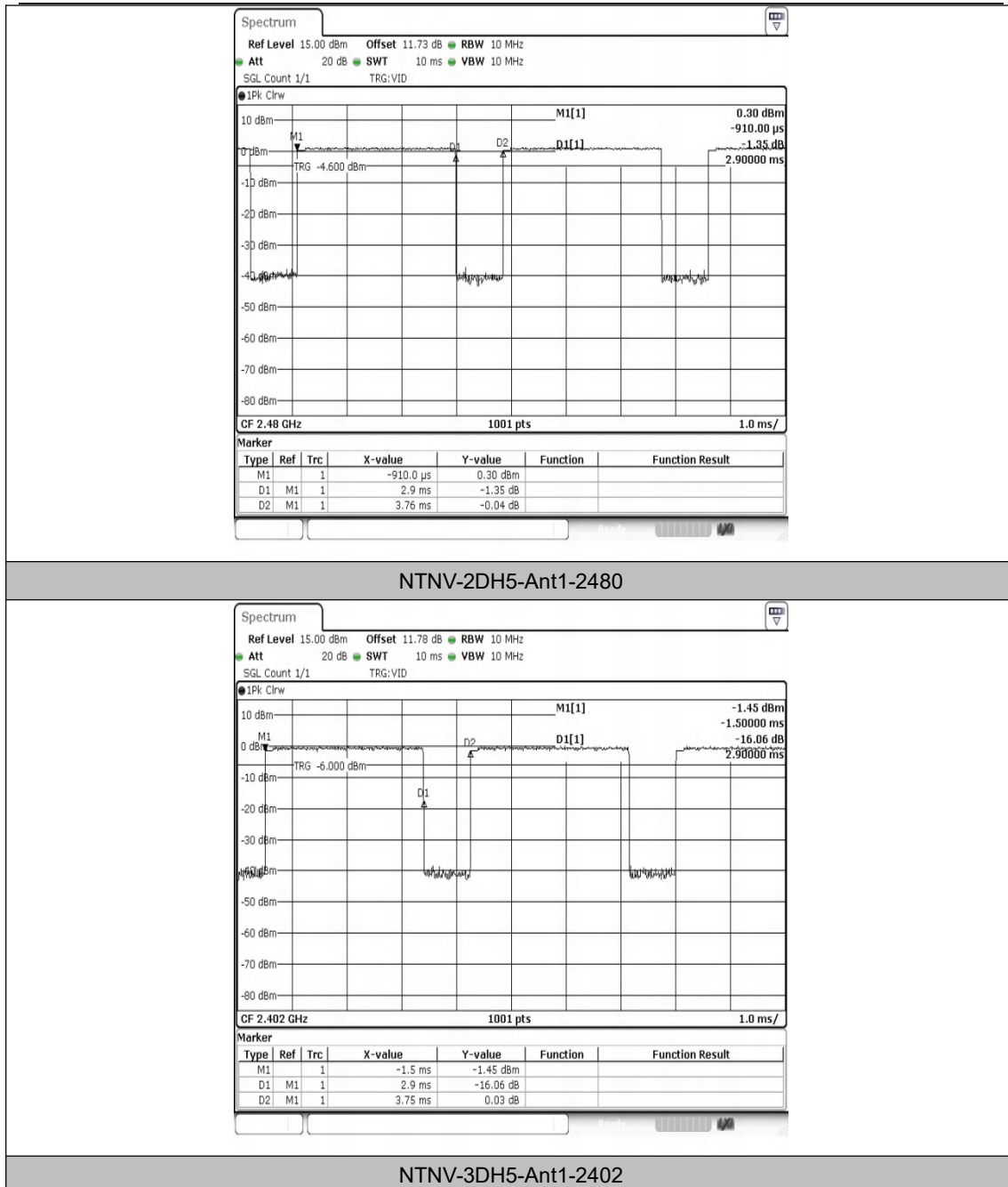
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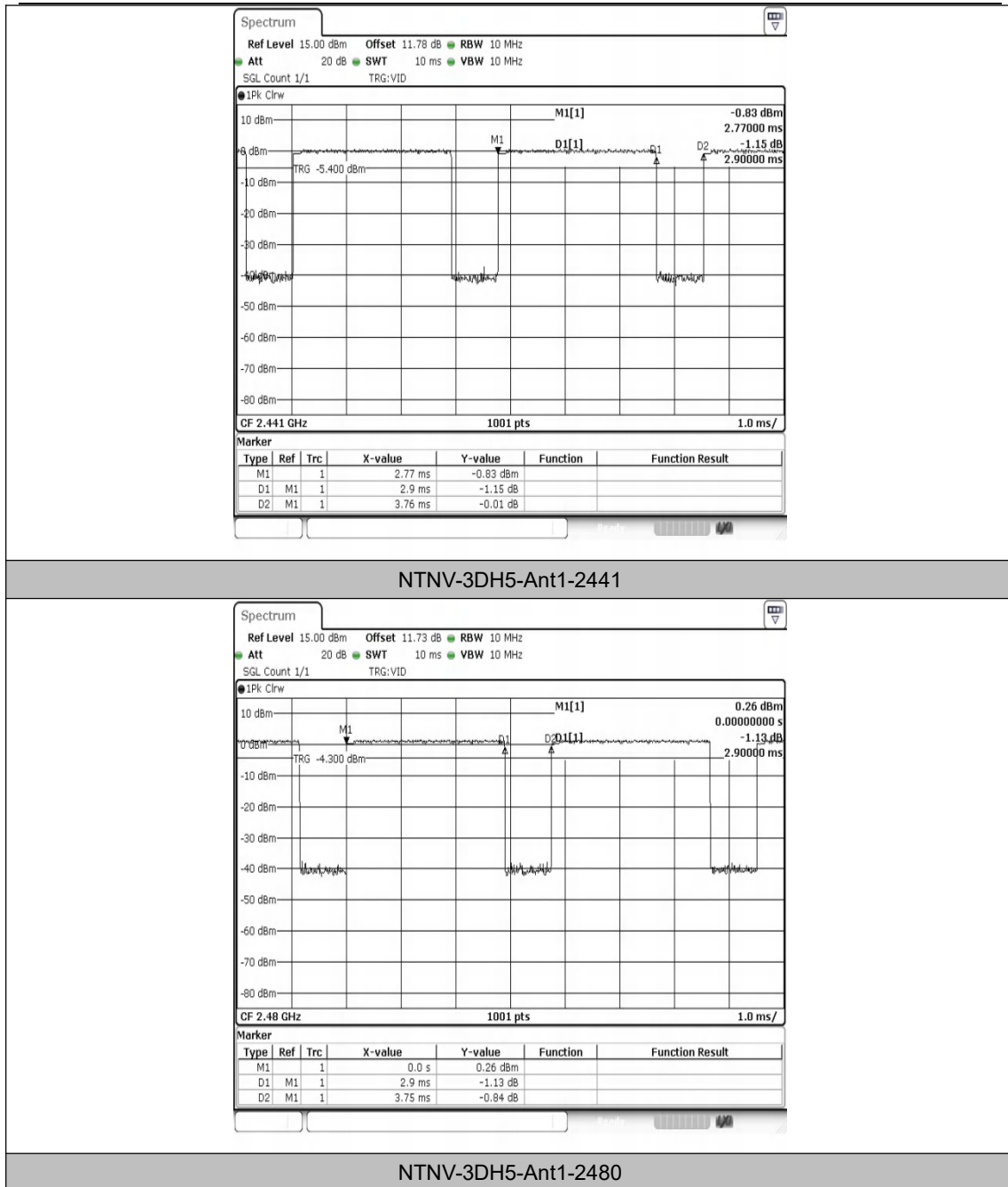
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