

Appendix Test Data

Report No:	182513C400036101	Test Sample NO:	1-2-2
Start Test Date:	2024.6.29	Finish Test Date:	2024.6.29
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	45%
Pressure:	101 kPa		

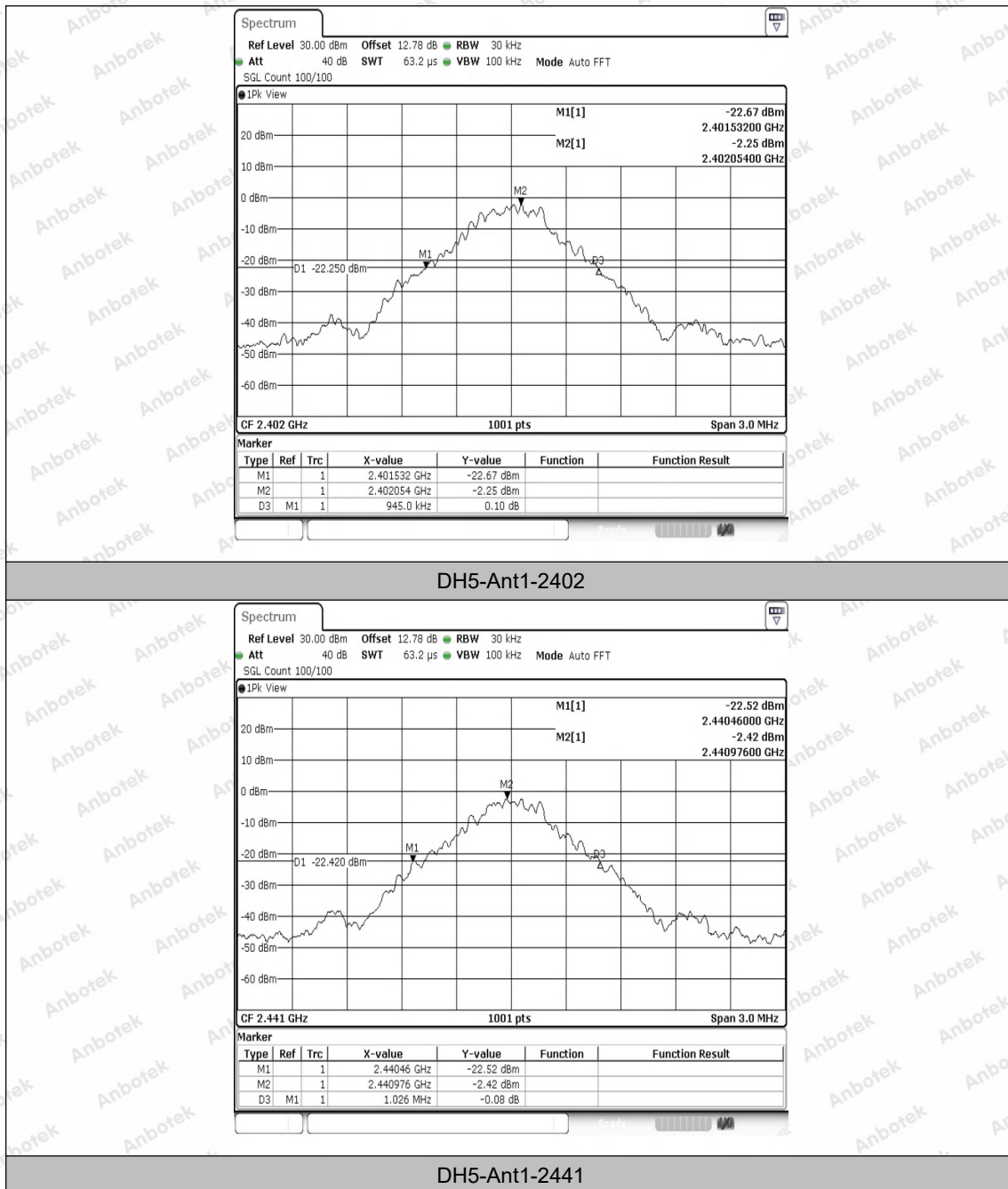
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	2401.53	2402.48	---	---
DH5	Ant1	2441	1.03	2440.46	2441.49	---	---
DH5	Ant1	2480	1.06	2479.46	2480.52	---	---
2DH5	Ant1	2402	1.36	2401.32	2402.68	---	---
2DH5	Ant1	2441	1.30	2440.35	2441.65	---	---
2DH5	Ant1	2480	1.29	2479.35	2480.65	---	---



Test Graphs



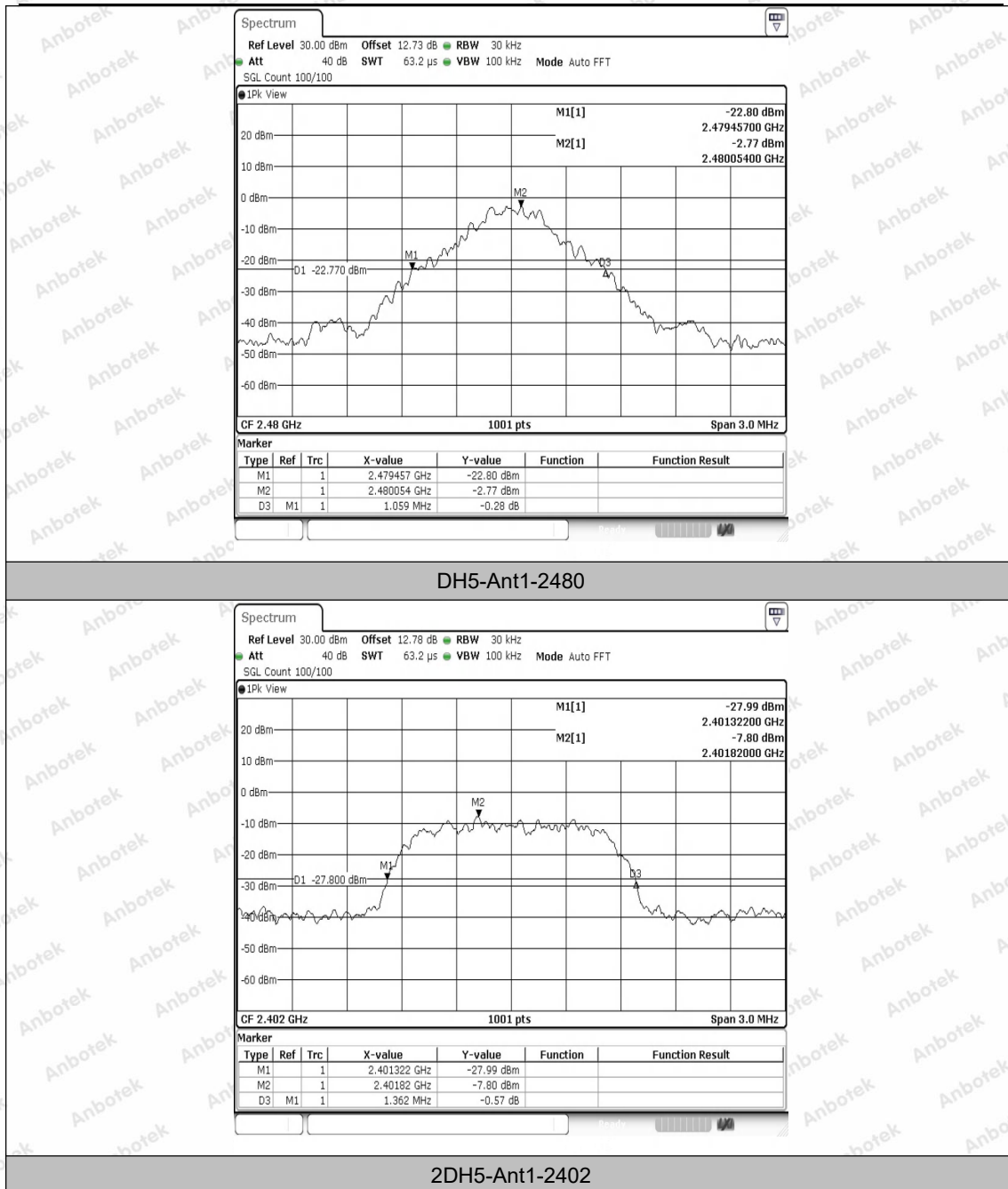
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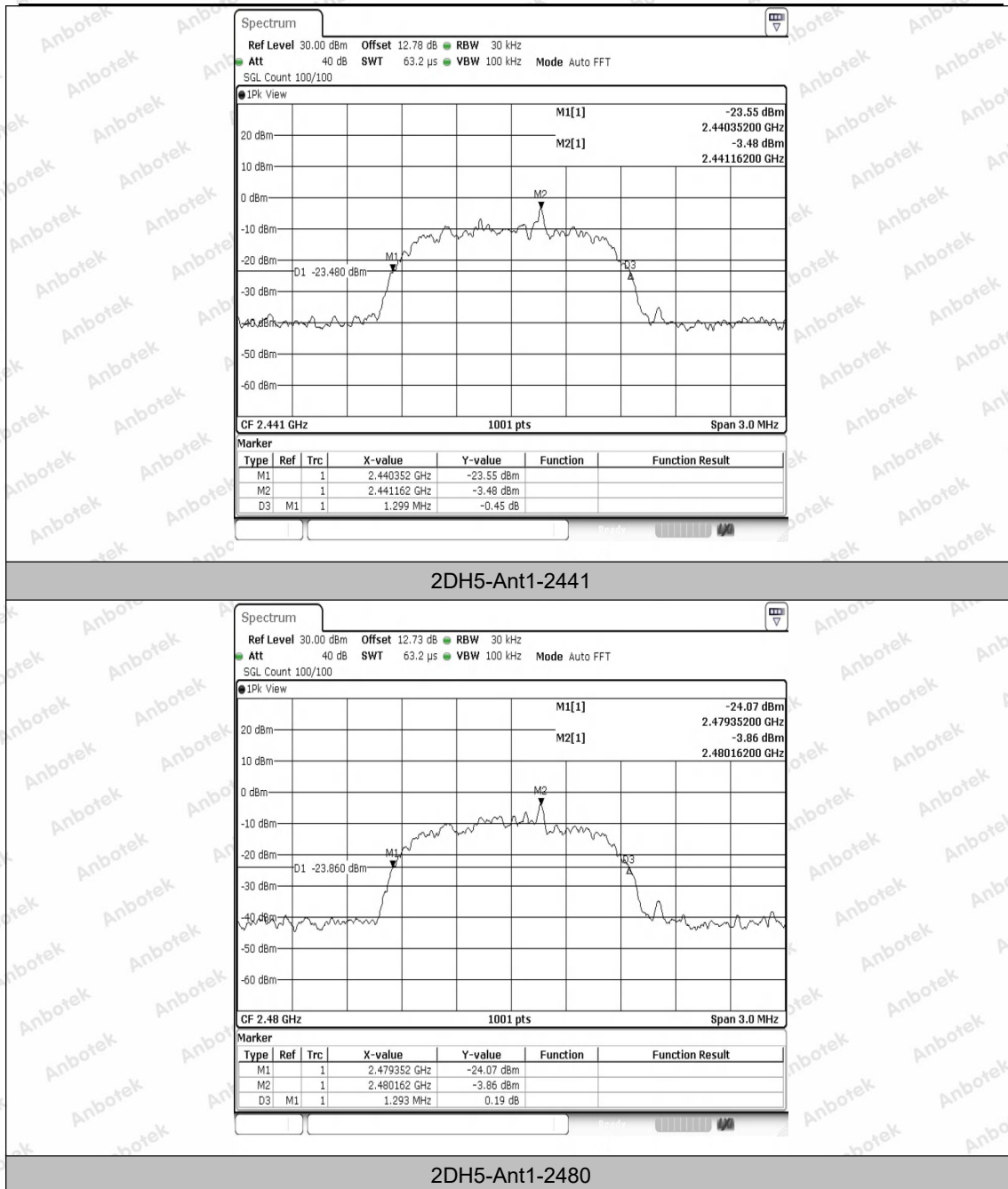
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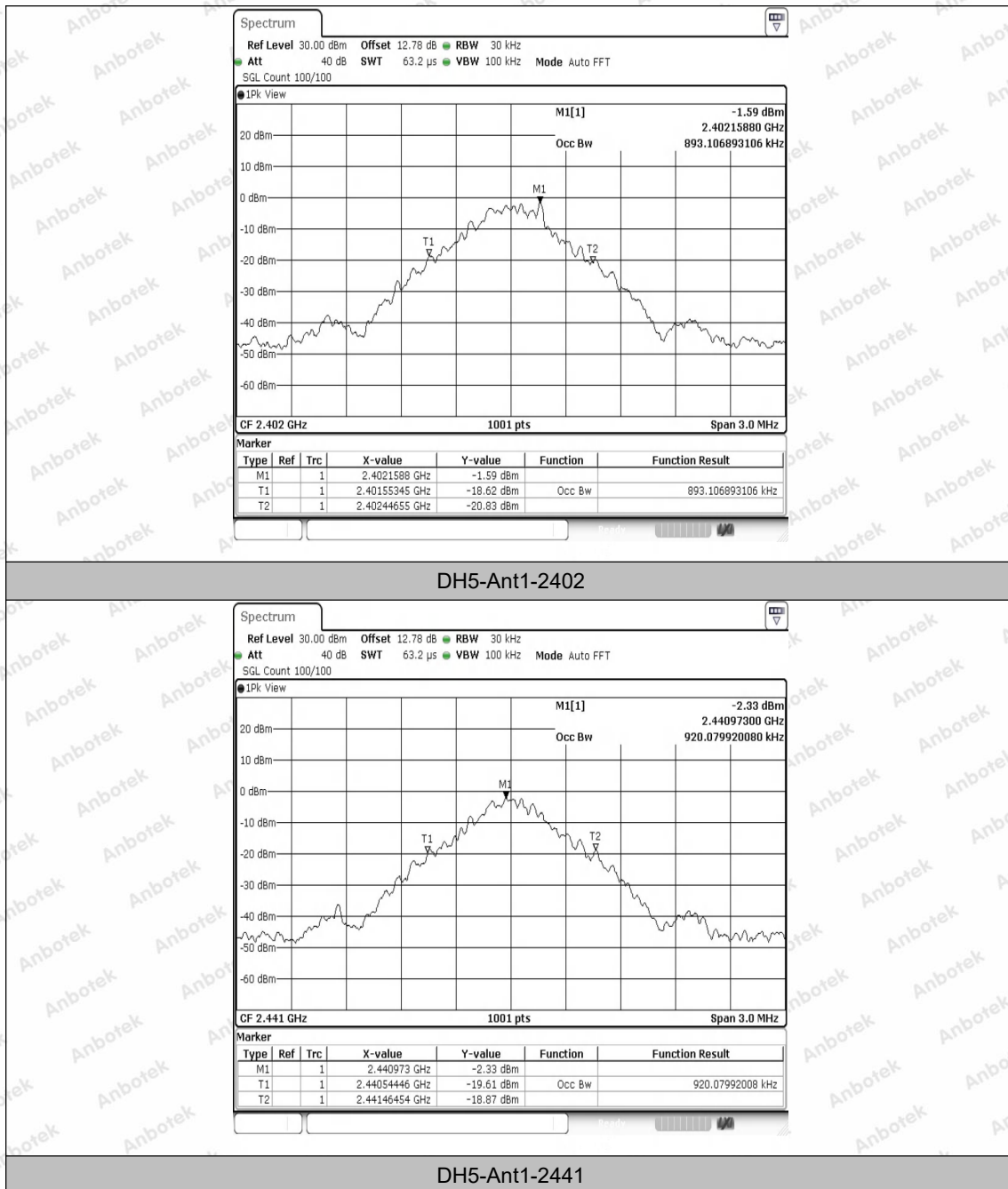
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.893	2401.5534	2402.4466	---	---
DH5	Ant1	2441	0.92	2440.5445	2441.4645	---	---
DH5	Ant1	2480	0.893	2479.5534	2480.4466	---	---
2DH5	Ant1	2402	1.217	2401.3886	2402.6054	---	---
2DH5	Ant1	2441	1.202	2440.3976	2441.5994	---	---
2DH5	Ant1	2480	1.196	2479.3976	2480.5934	---	---



Test Graphs



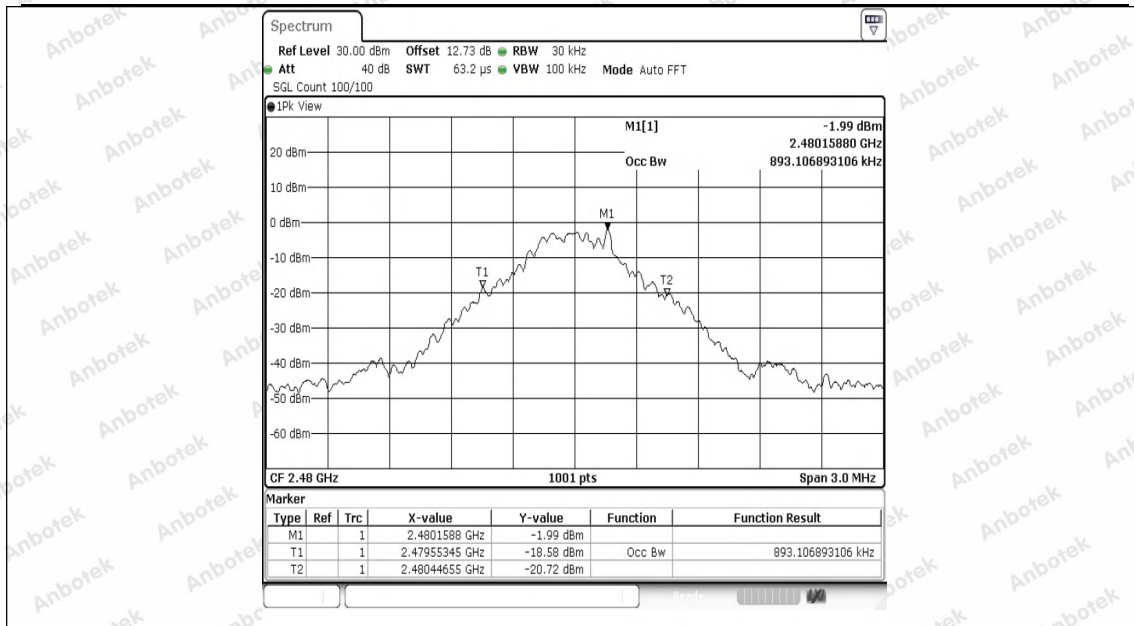
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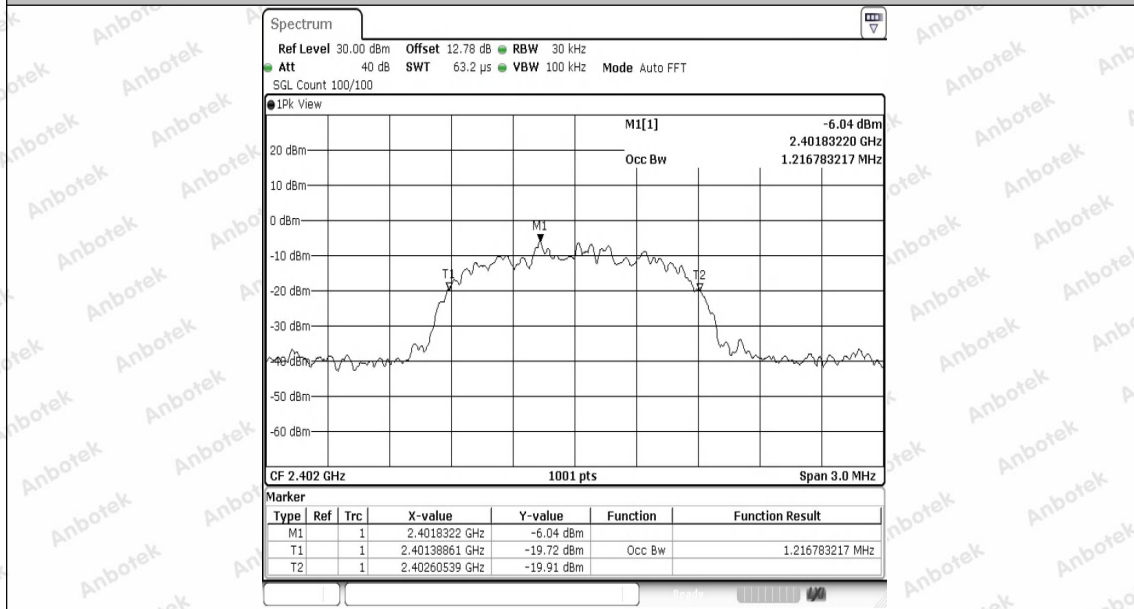


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DH5-Ant1-2480



2DH5-Ant1-2402

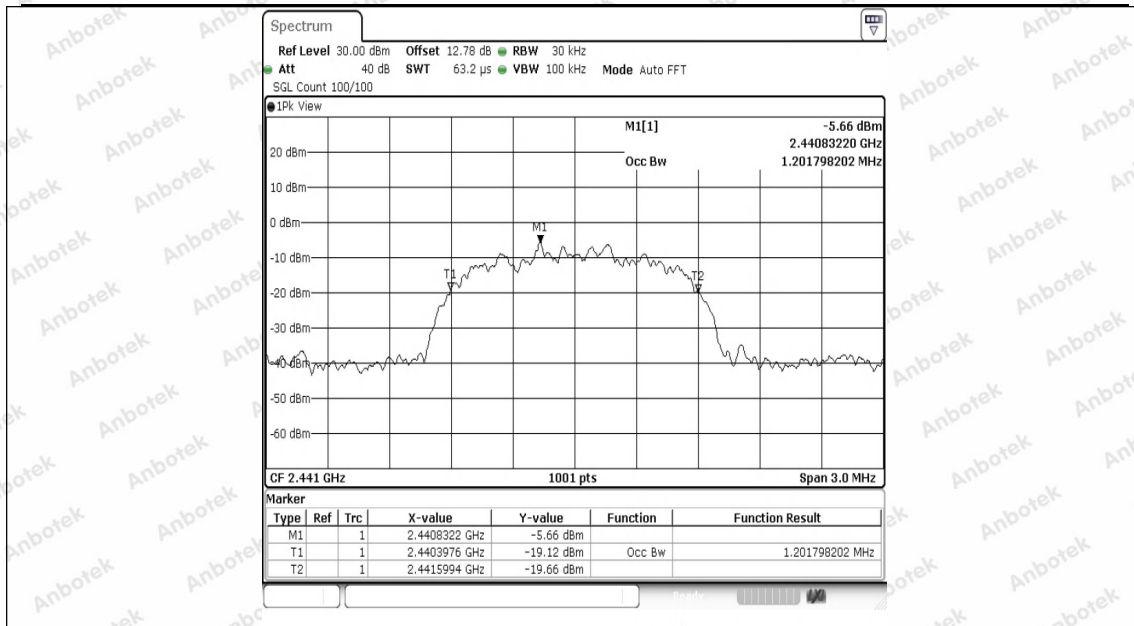
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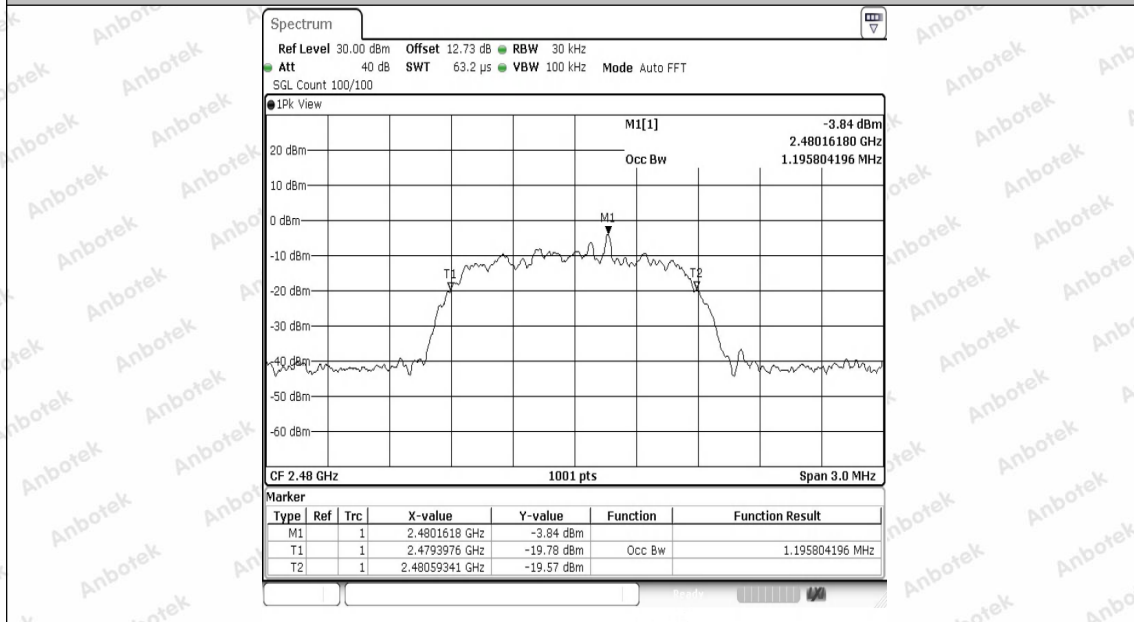


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2DH5-Ant1-2441



2DH5-Ant1-2480

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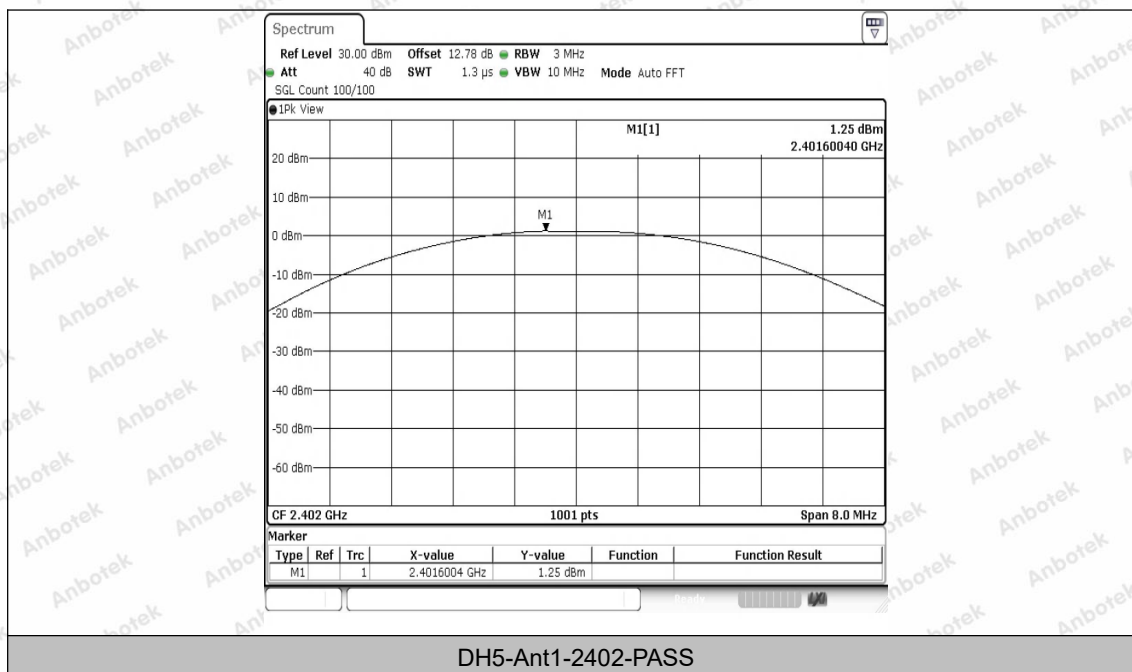


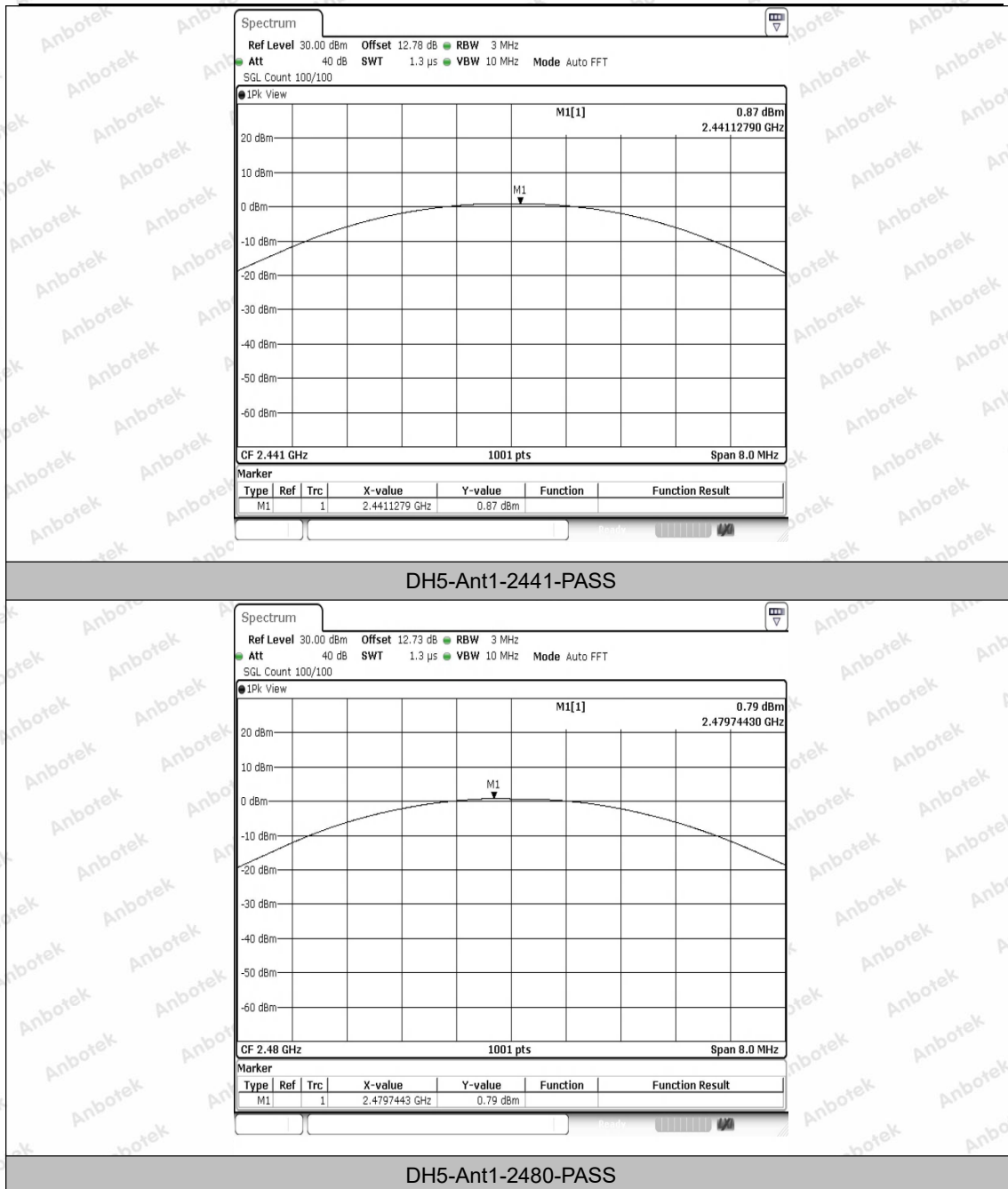
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.25	≤20.97	PASS
DH5	Ant1	2441	0.87	≤20.97	PASS
DH5	Ant1	2480	0.79	≤20.97	PASS
2DH5	Ant1	2402	0.51	≤20.97	PASS
2DH5	Ant1	2441	-0.02	≤20.97	PASS
2DH5	Ant1	2480	-0.49	≤20.97	PASS

Test Graphs



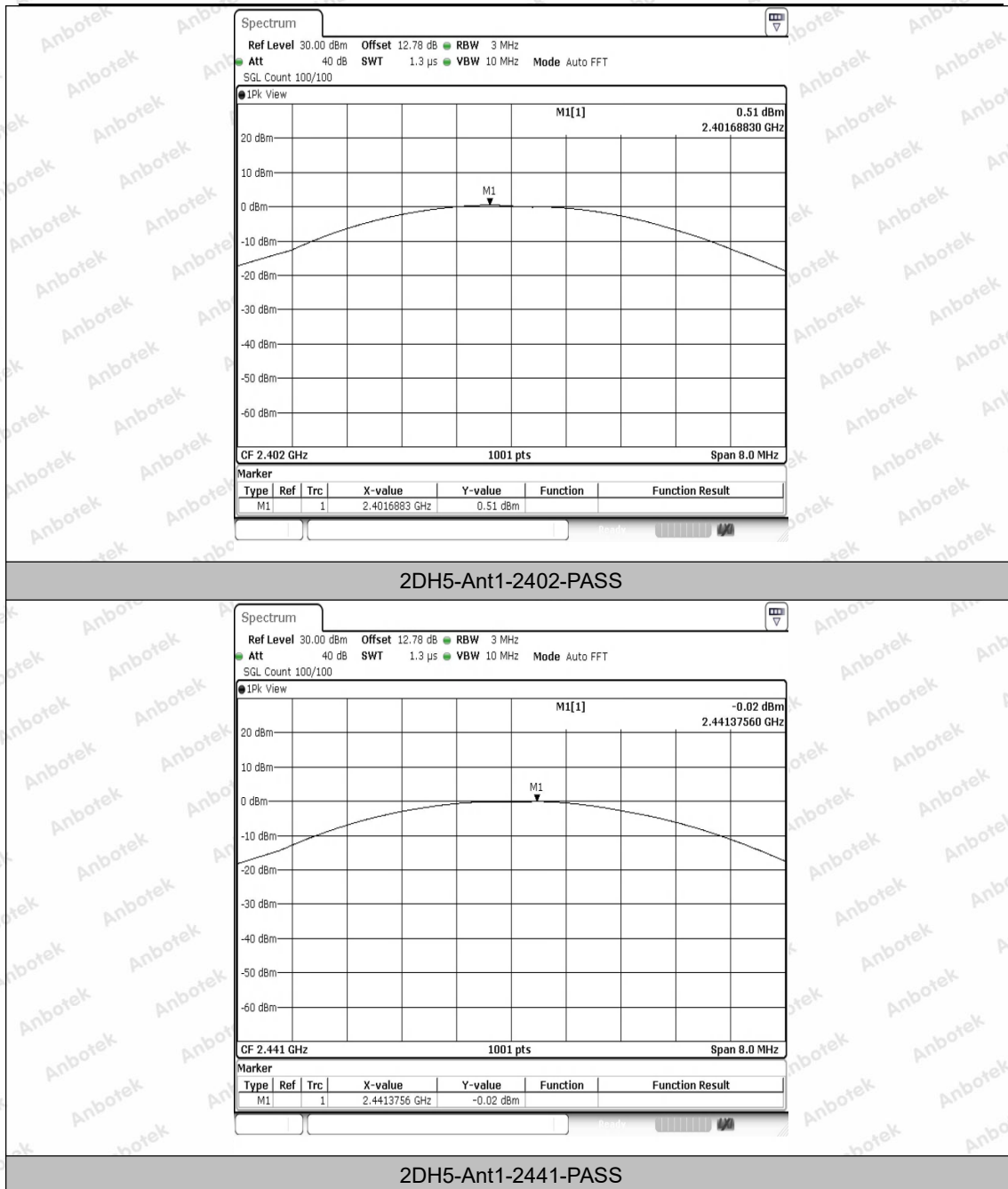
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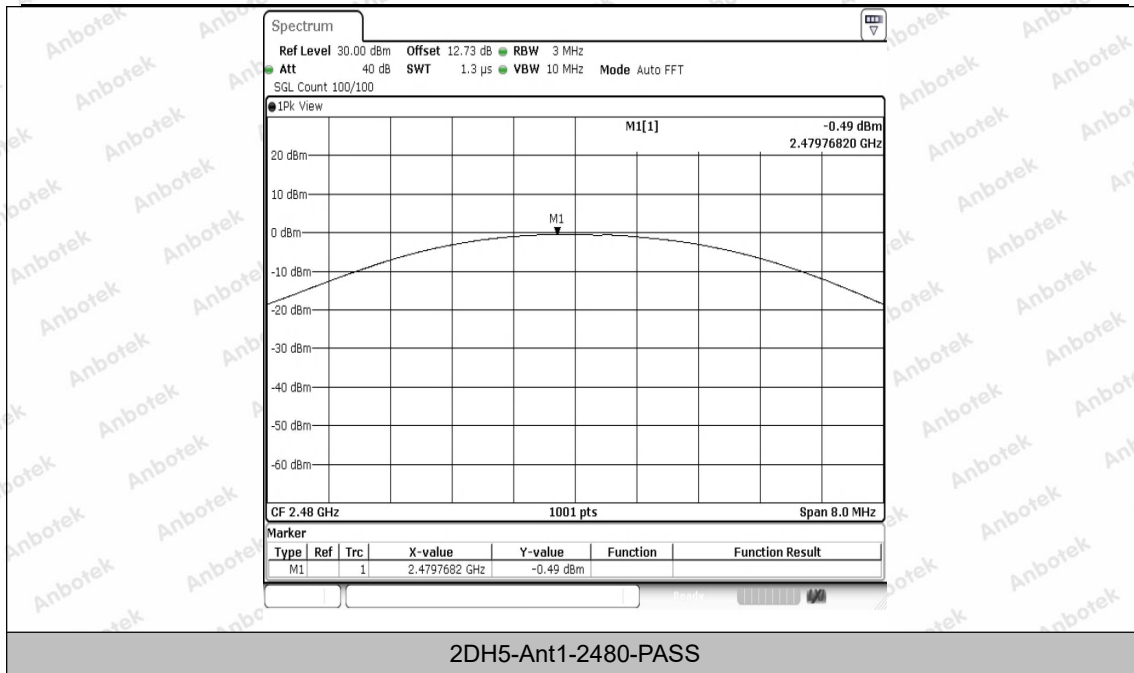
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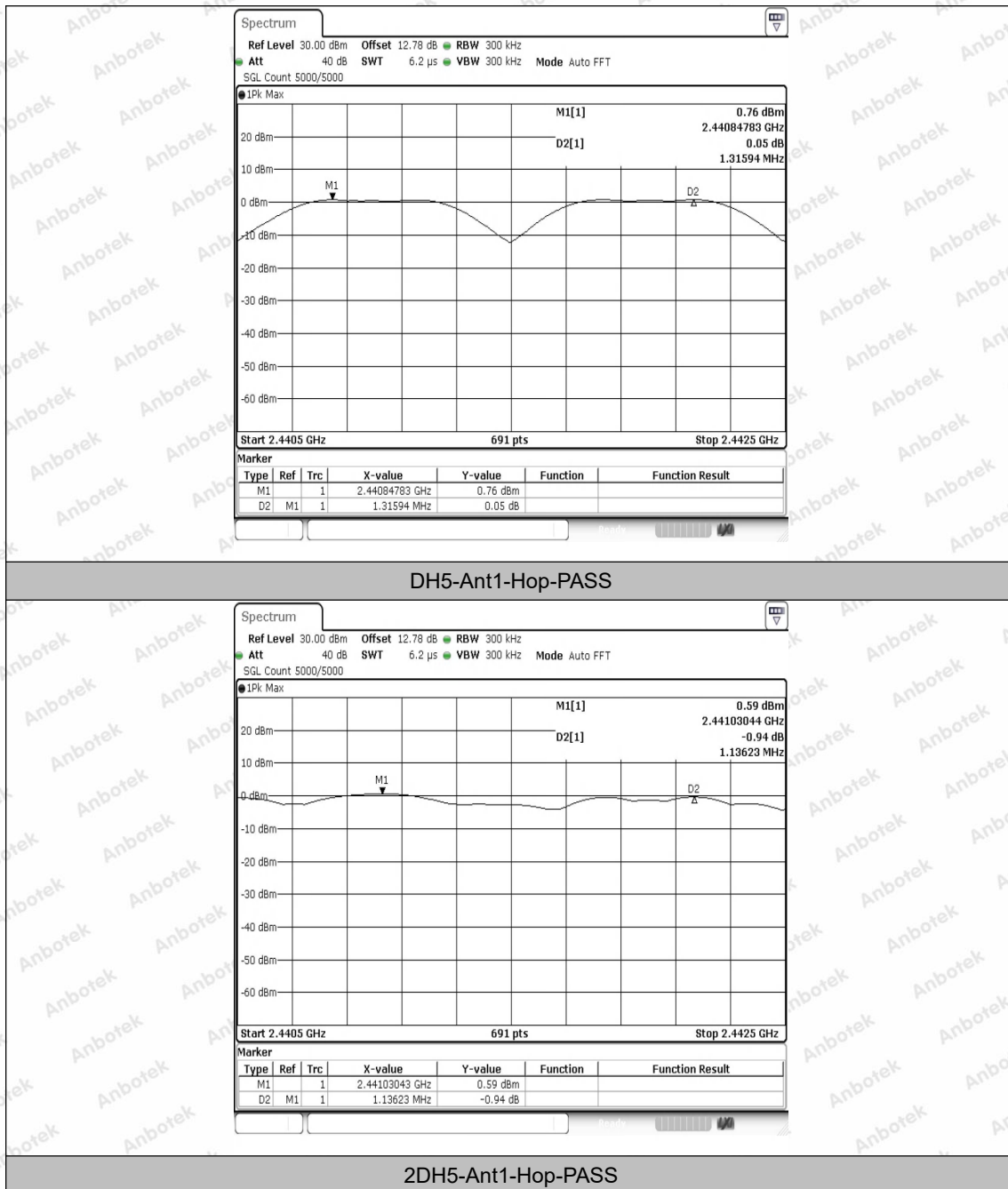
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.316	≥0.707	PASS
2DH5	Ant1	Hop	1.136	≥0.907	PASS



Test Graphs



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Appendix E: Time of occupancy

Test Result

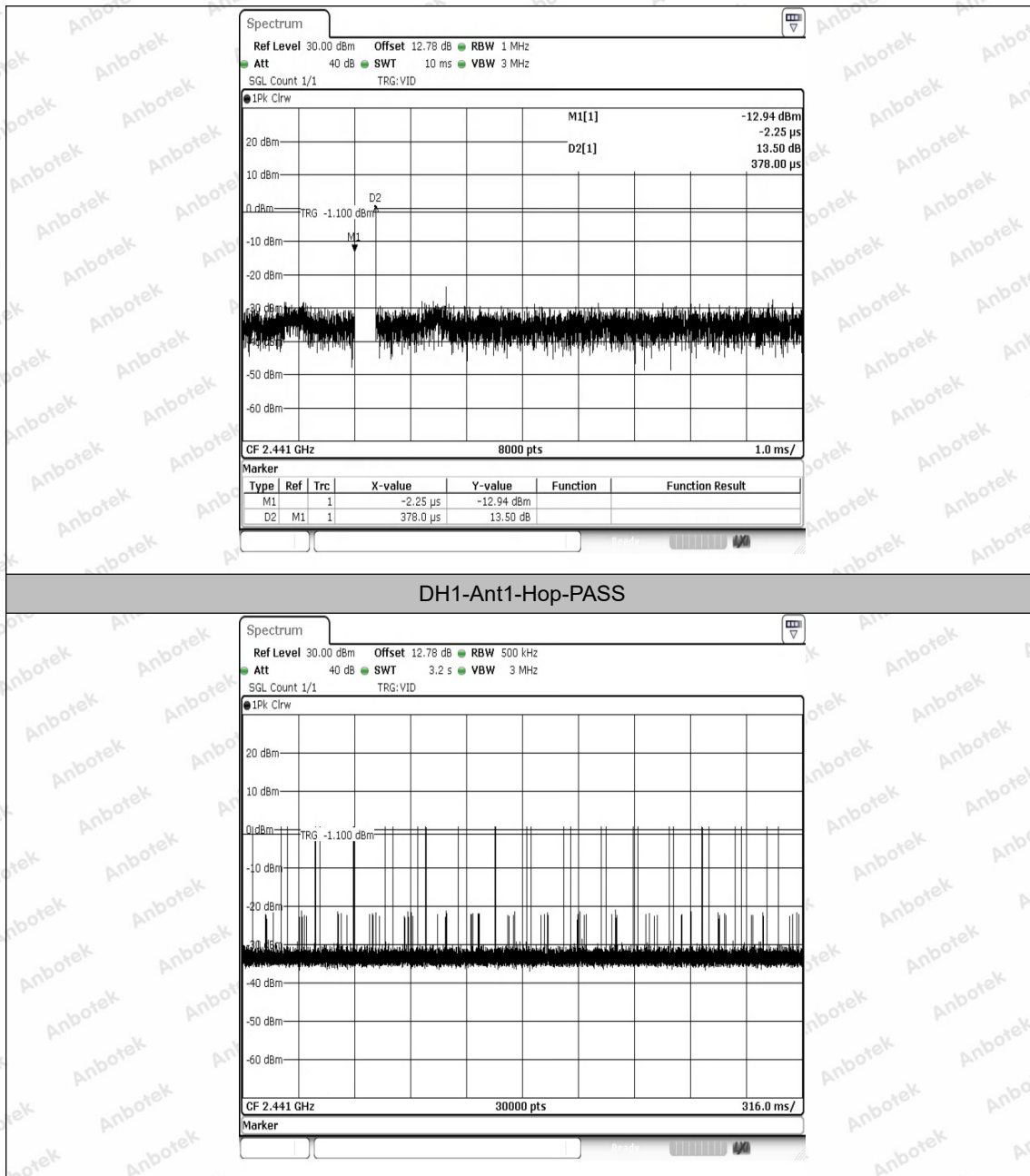
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.378	320	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.633	180	0.294	≤0.4	PASS
DH5	Ant1	Hop	2.882	100	0.288	≤0.4	PASS
2DH1	Ant1	Hop	0.381	316	0.120	≤0.4	PASS
2DH3	Ant1	Hop	1.636	150	0.245	≤0.4	PASS
2DH5	Ant1	Hop	2.884	80	0.231	≤0.4	PASS

Note:

1. Result[s]=BurstWidth[ms]*TotalHops [Num]
- 2.TotalHops [Num]=test result(3.16s)*10



Test Graphs



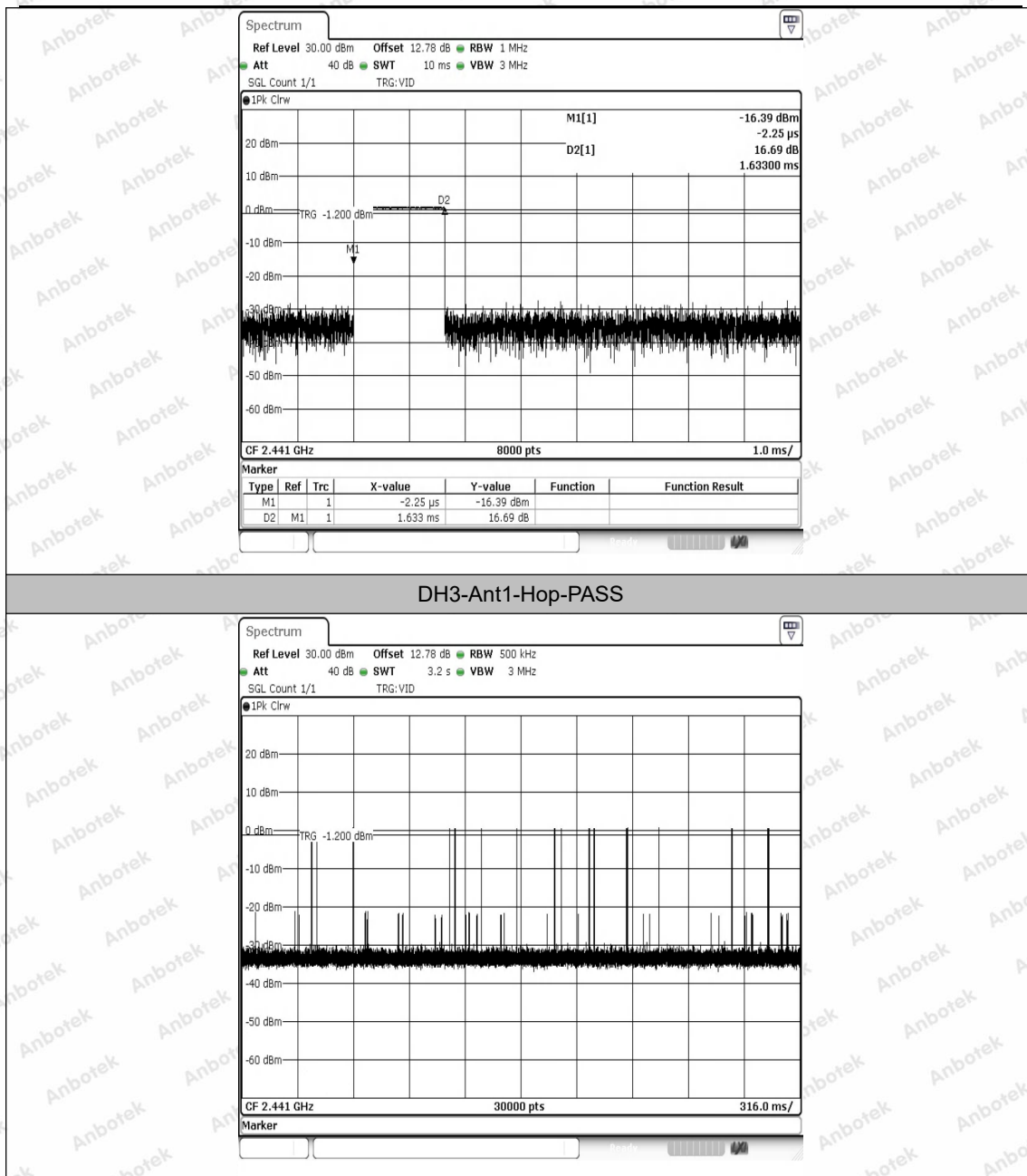
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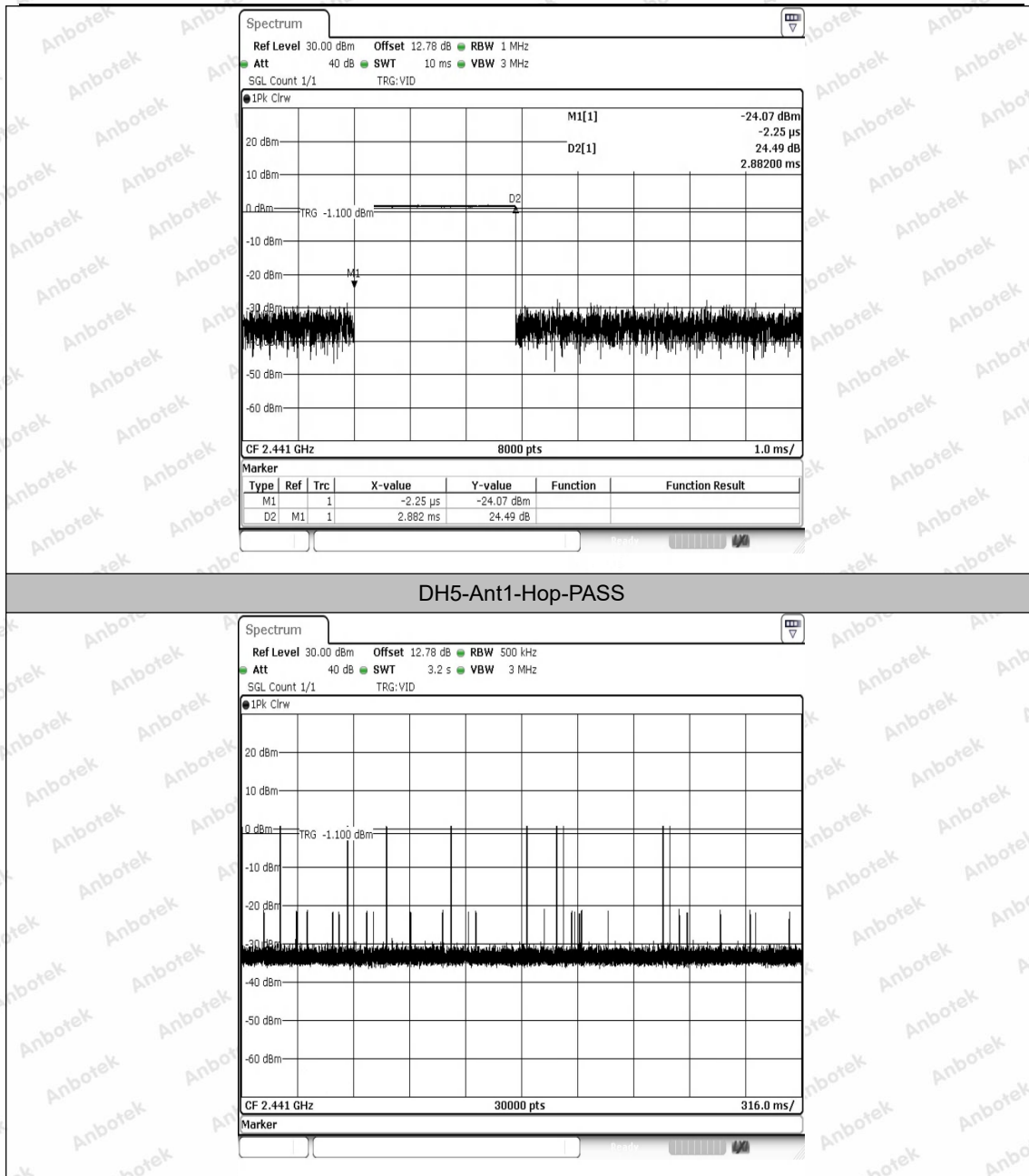
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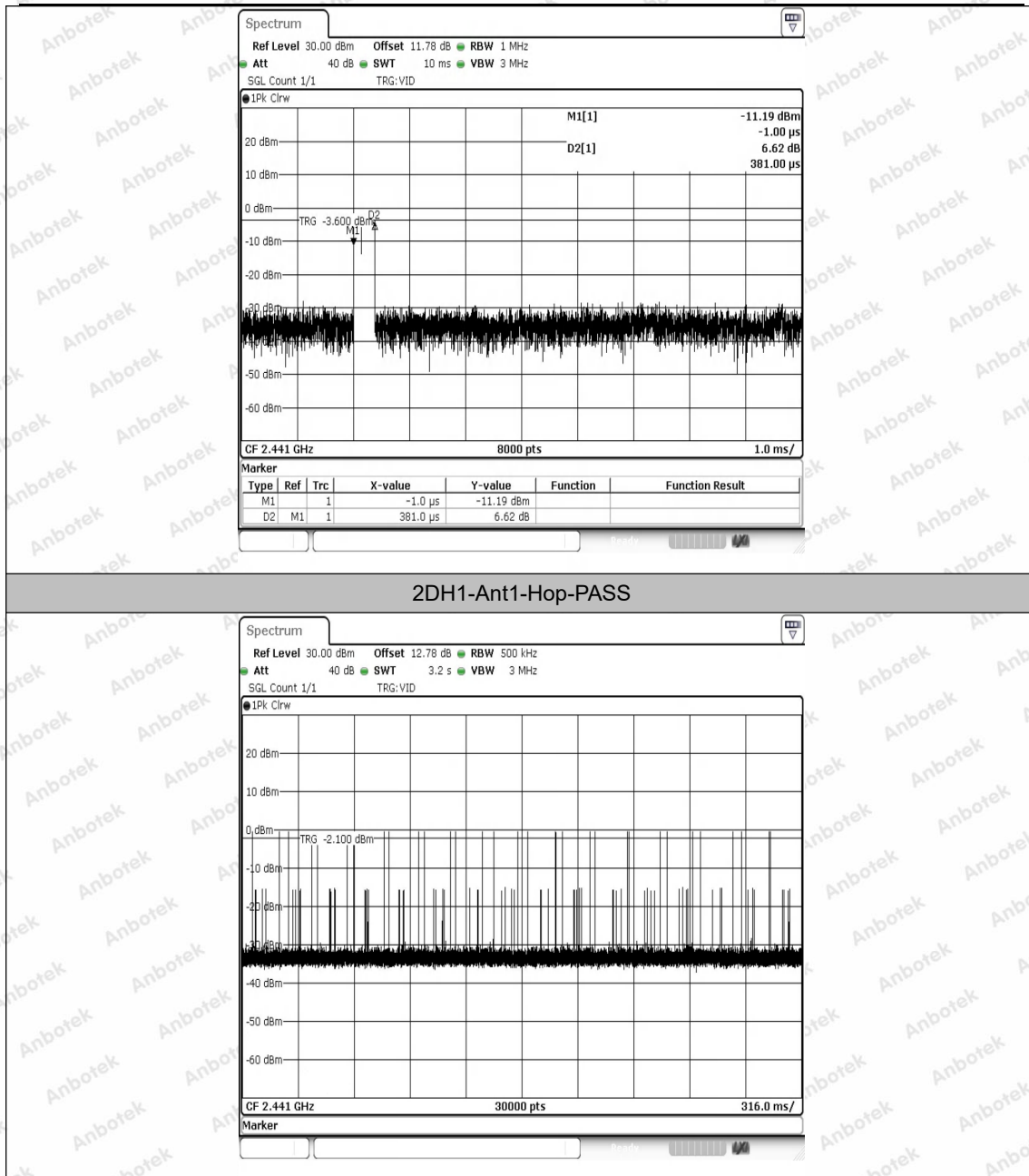
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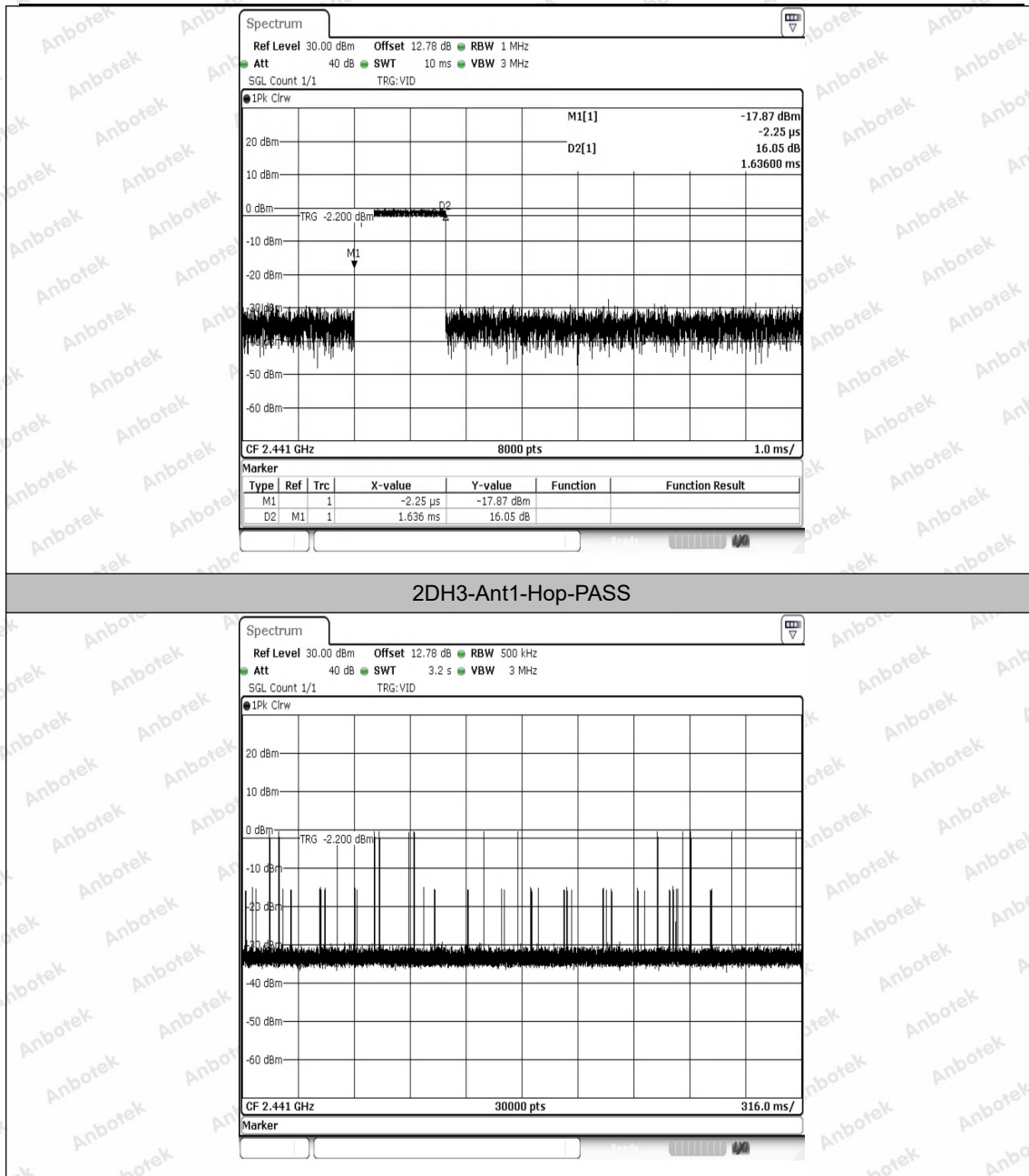
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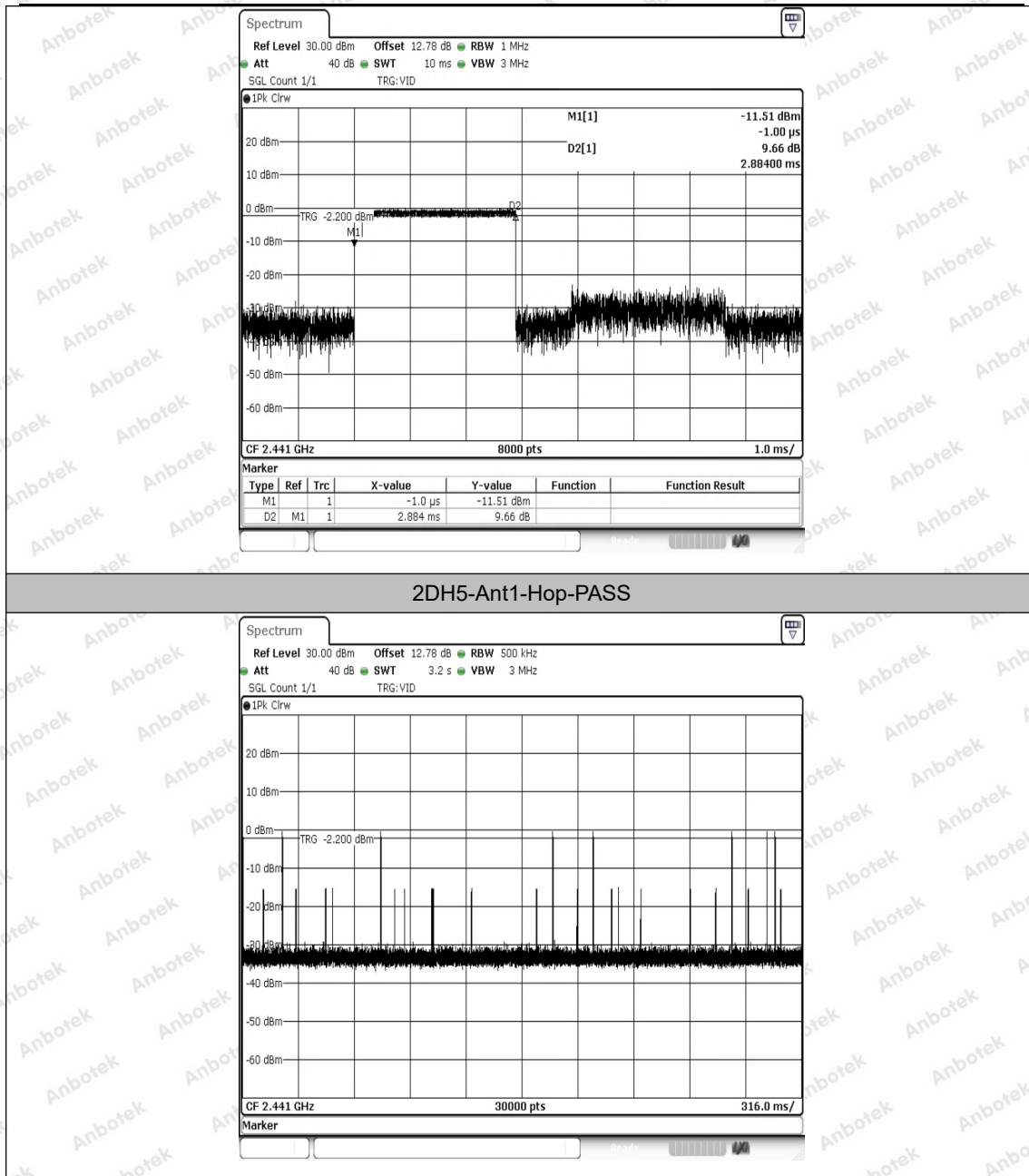
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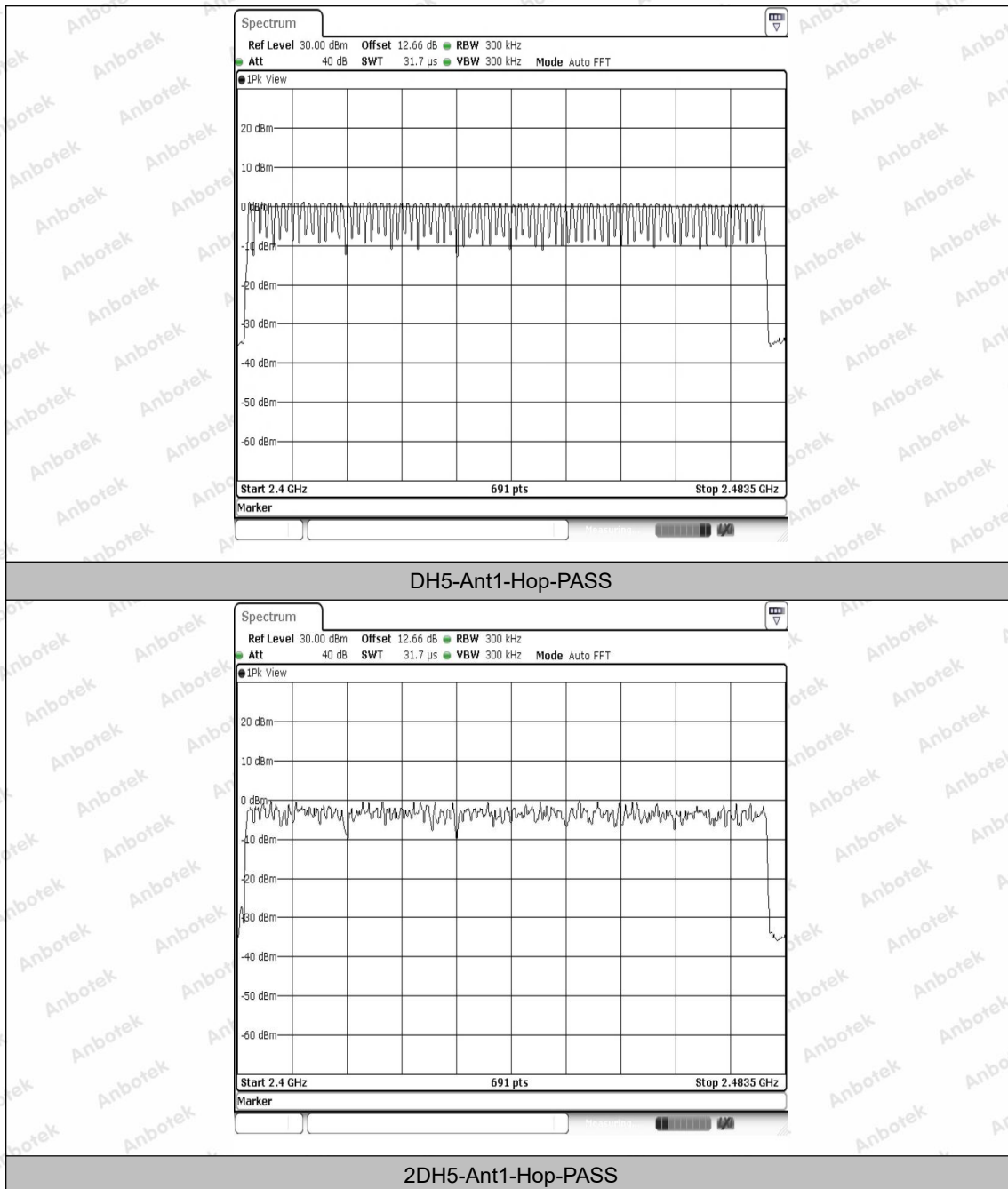
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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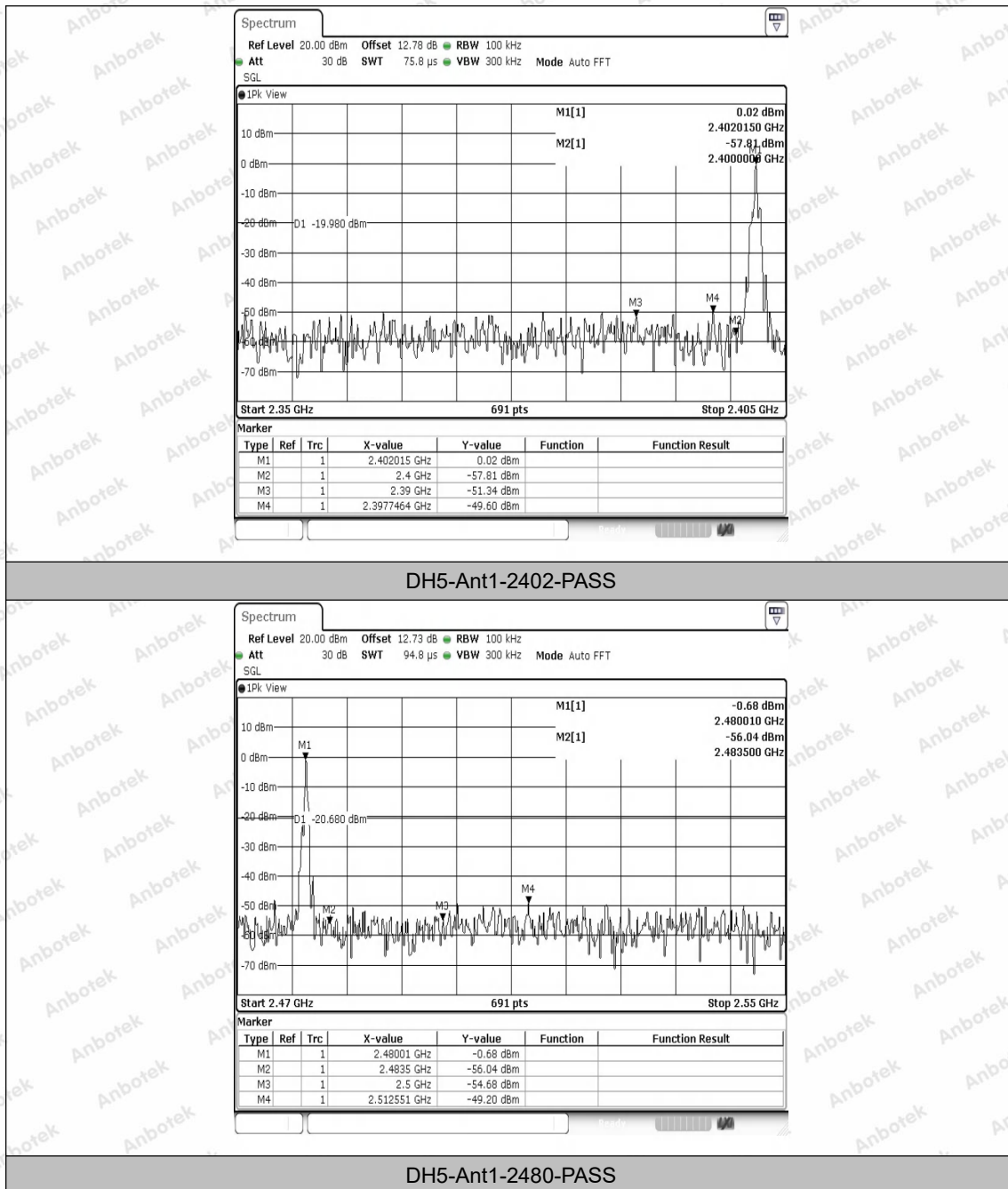
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.02	-49.6	≤-19.98	PASS
DH5	Ant1	High	2480	-0.68	-49.2	≤-20.68	PASS
DH5	Ant1	Low	Hop_2402	-0.12	-47.23	≤-20.12	PASS
DH5	Ant1	High	Hop_2480	-0.06	-46.92	≤-20.06	PASS
2DH5	Ant1	Low	2402	-7.09	-48.6	≤-27.09	PASS
2DH5	Ant1	High	2480	-8.40	-49.49	≤-28.4	PASS
2DH5	Ant1	Low	Hop_2402	-1.25	-47.38	≤-21.25	PASS
2DH5	Ant1	High	Hop_2480	-2.82	-46.31	≤-22.82	PASS



Test Graphs



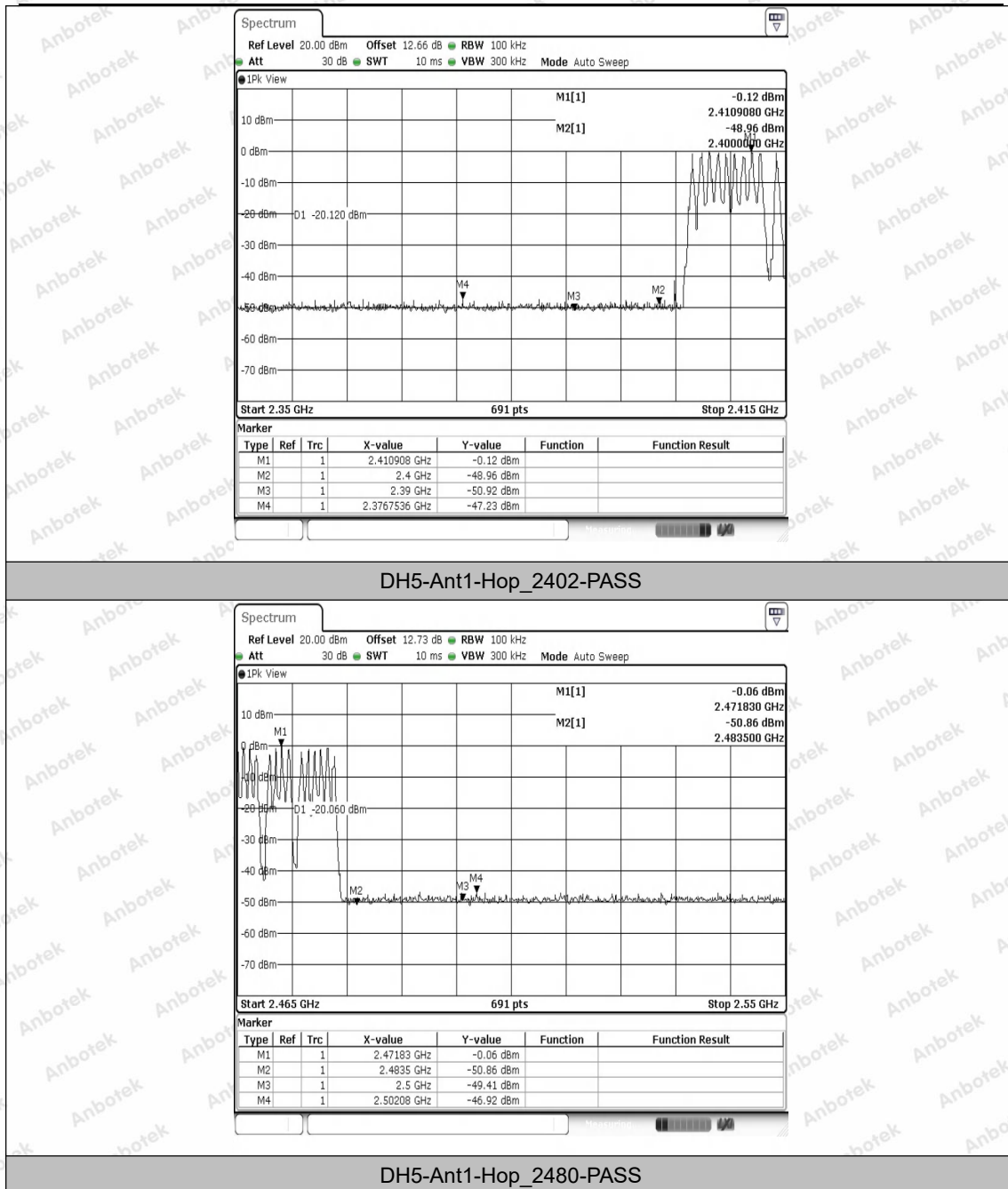
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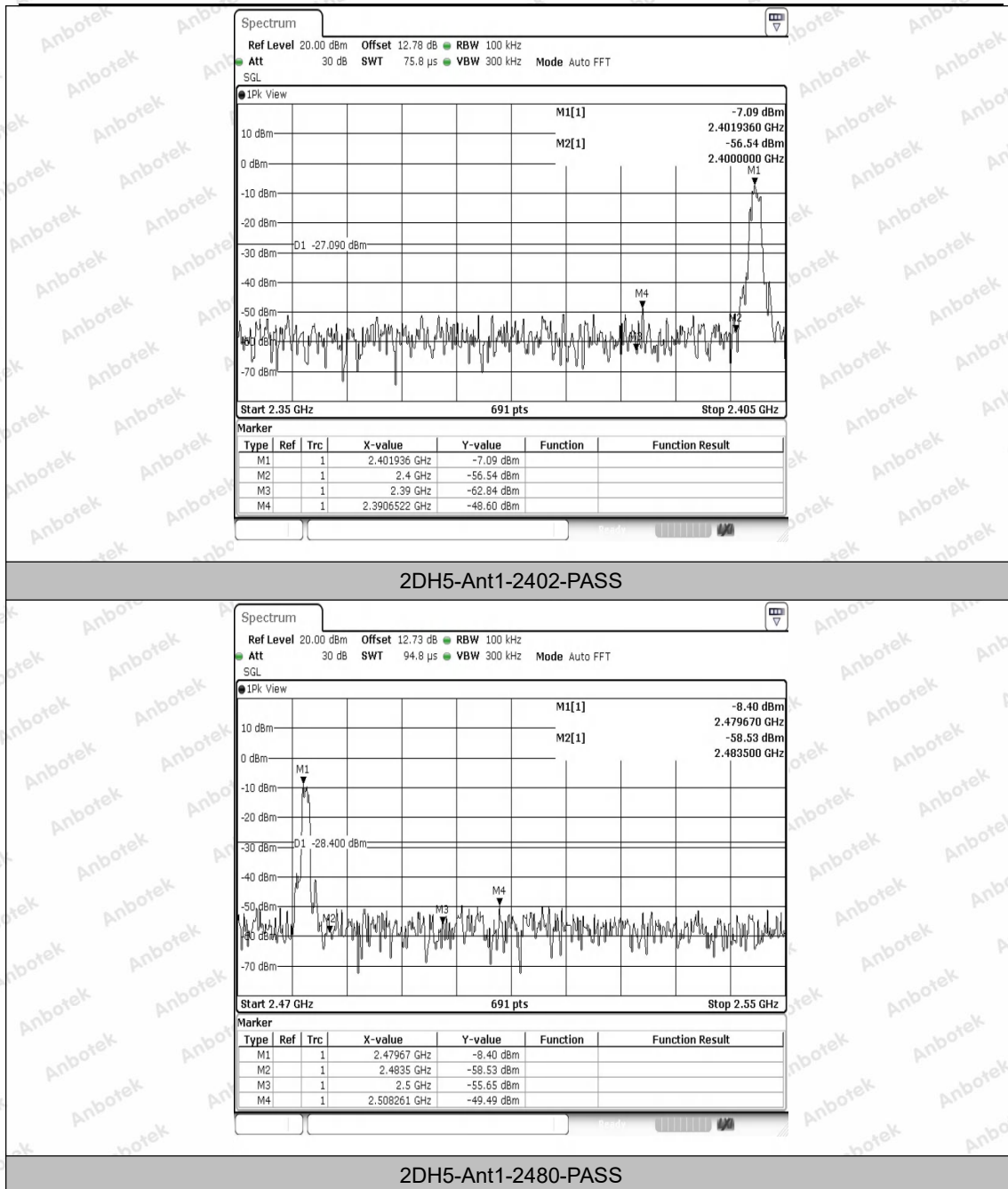
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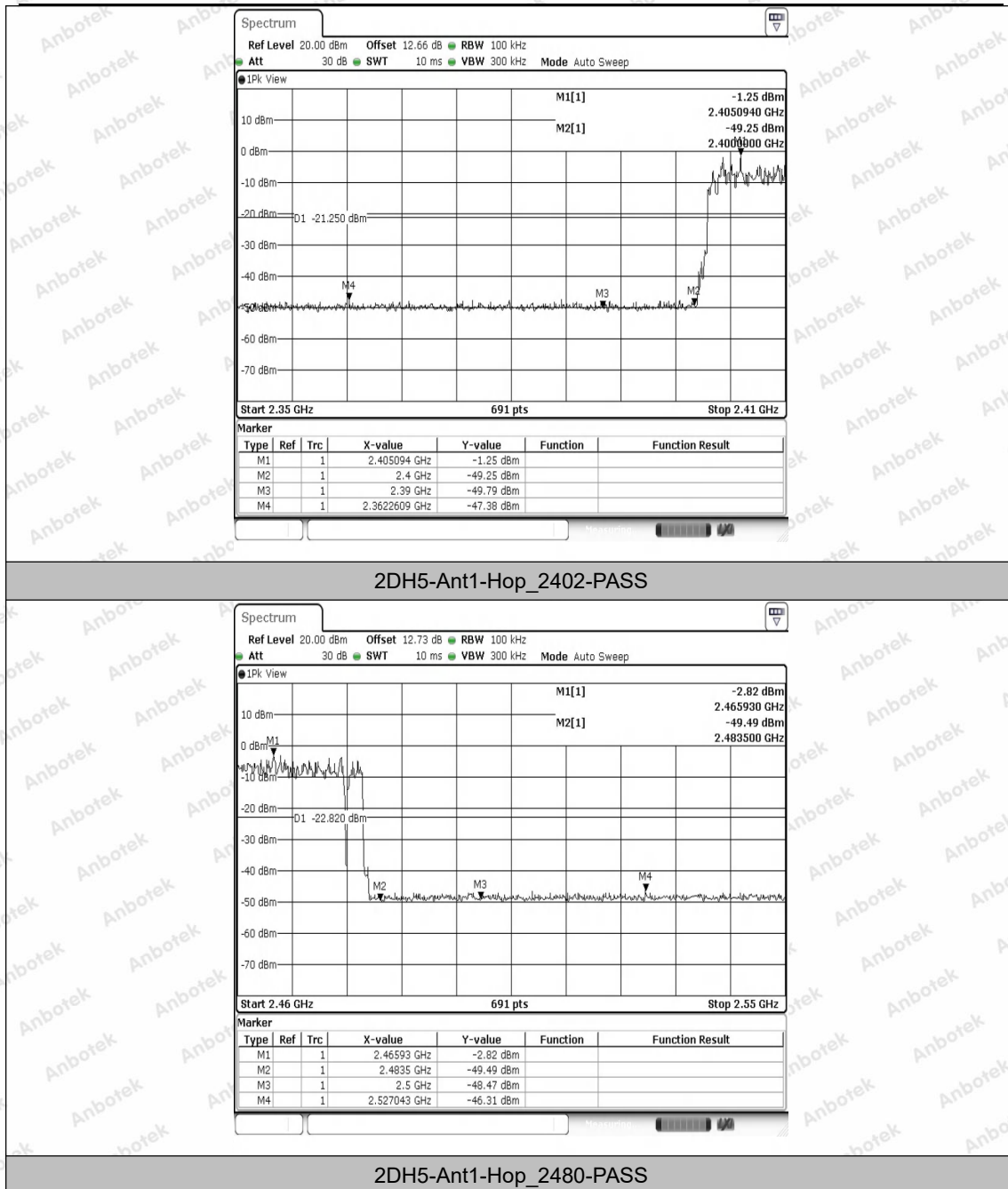
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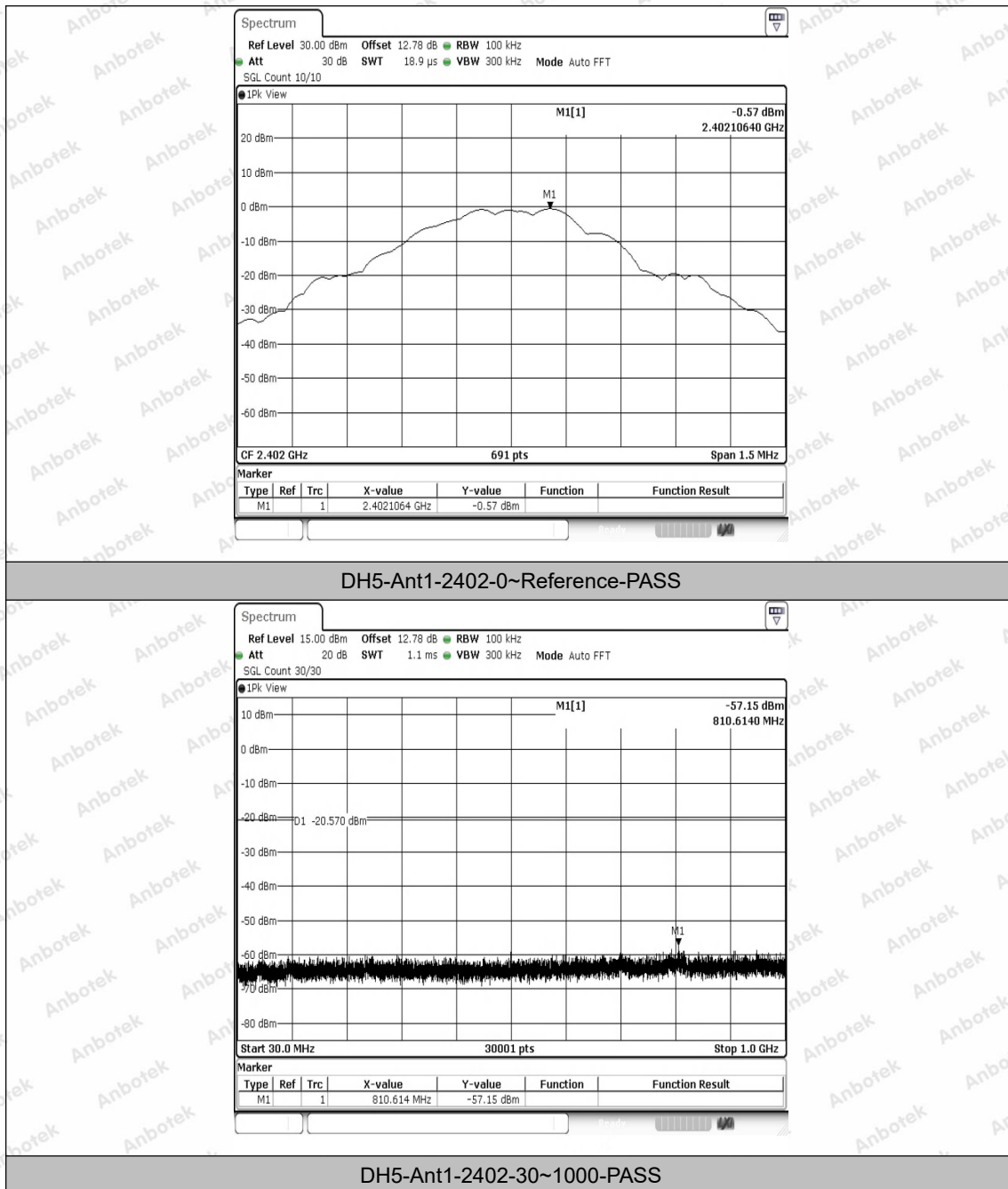
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.57	-0.57	---	PASS
DH5	Ant1	2402	30~1000	-0.57	-57.15	≤-20.57	PASS
DH5	Ant1	2402	1000~26500	-0.57	-49.53	≤-20.57	PASS
DH5	Ant1	2441	0~Reference	0.19	0.19	---	PASS
DH5	Ant1	2441	30~1000	0.19	-58.3	≤-19.81	PASS
DH5	Ant1	2441	1000~26500	0.19	-46.5	≤-19.81	PASS
DH5	Ant1	2480	0~Reference	-0.87	-0.87	---	PASS
DH5	Ant1	2480	30~1000	-0.87	-57.54	≤-20.87	PASS
DH5	Ant1	2480	1000~26500	-0.87	-47.79	≤-20.87	PASS
2DH5	Ant1	2402	0~Reference	-2.98	-2.98	---	PASS
2DH5	Ant1	2402	30~1000	-2.98	-57.14	≤-22.98	PASS
2DH5	Ant1	2402	1000~26500	-2.98	-50.74	≤-22.98	PASS
2DH5	Ant1	2441	0~Reference	-5.06	-5.06	---	PASS
2DH5	Ant1	2441	30~1000	-5.06	-58.57	≤-25.06	PASS
2DH5	Ant1	2441	1000~26500	-5.06	-49.88	≤-25.06	PASS
2DH5	Ant1	2480	0~Reference	-4.54	-4.54	---	PASS
2DH5	Ant1	2480	30~1000	-4.54	-57.09	≤-24.54	PASS
2DH5	Ant1	2480	1000~26500	-4.54	-50.91	≤-24.54	PASS



Test Graphs



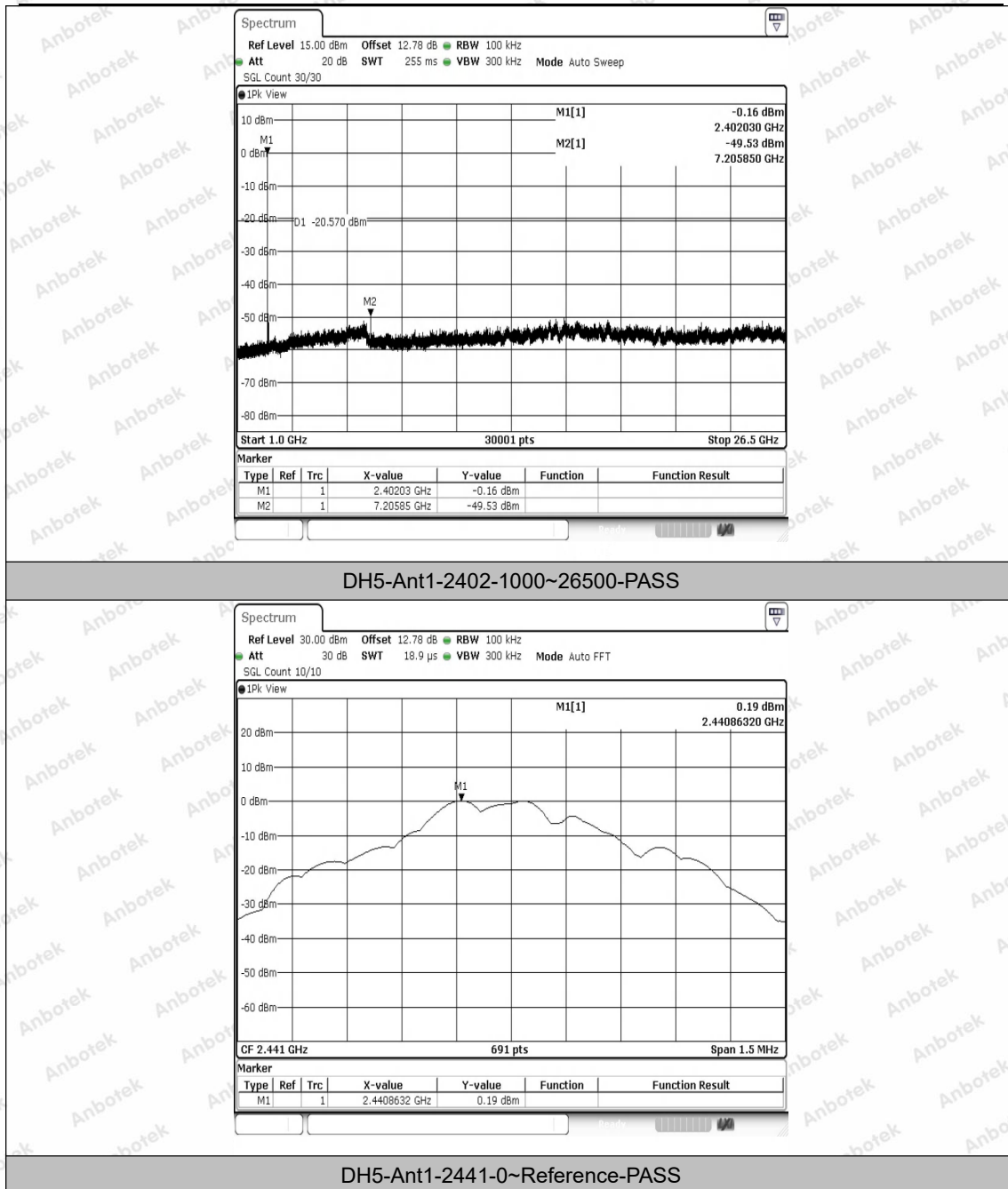
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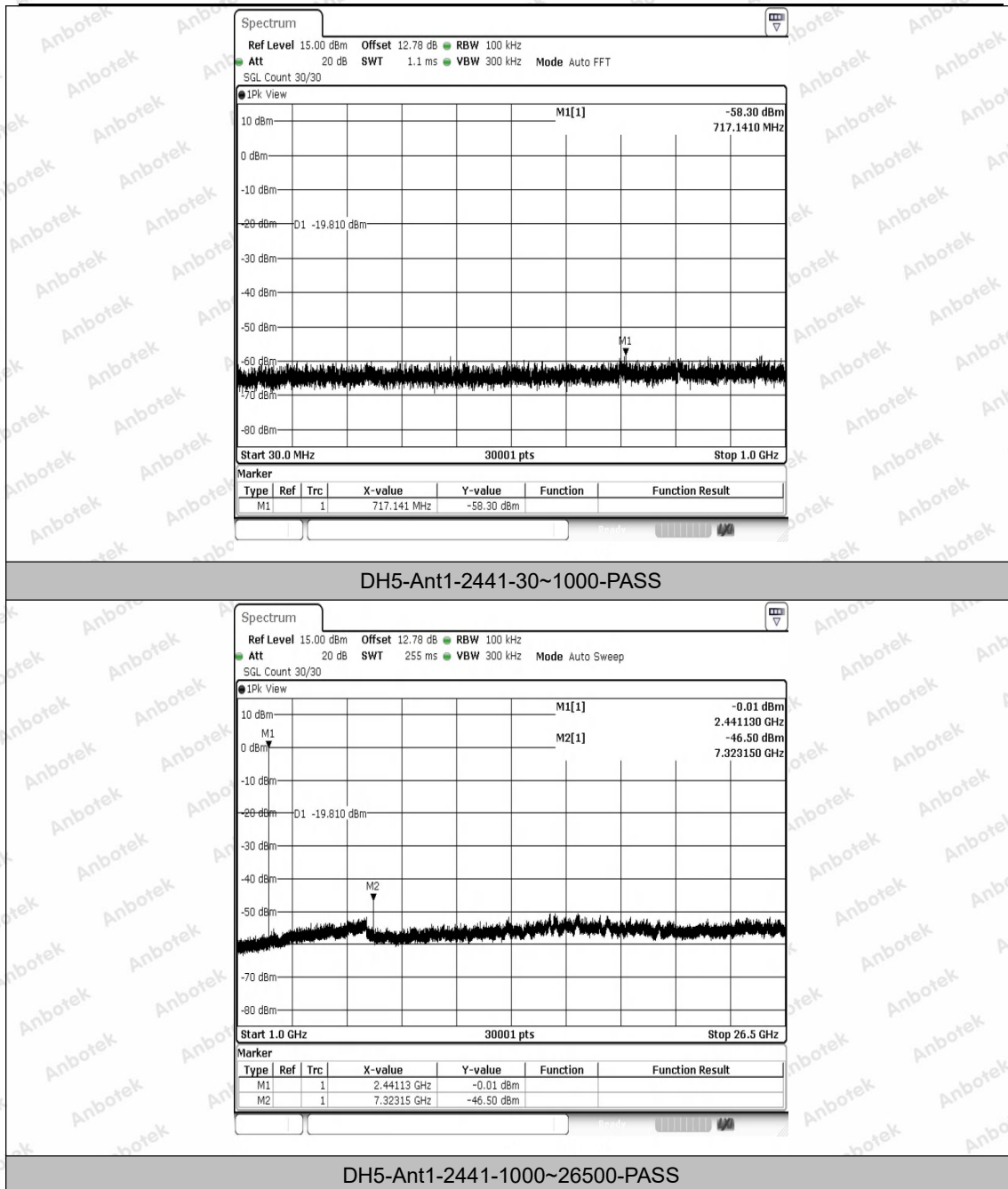
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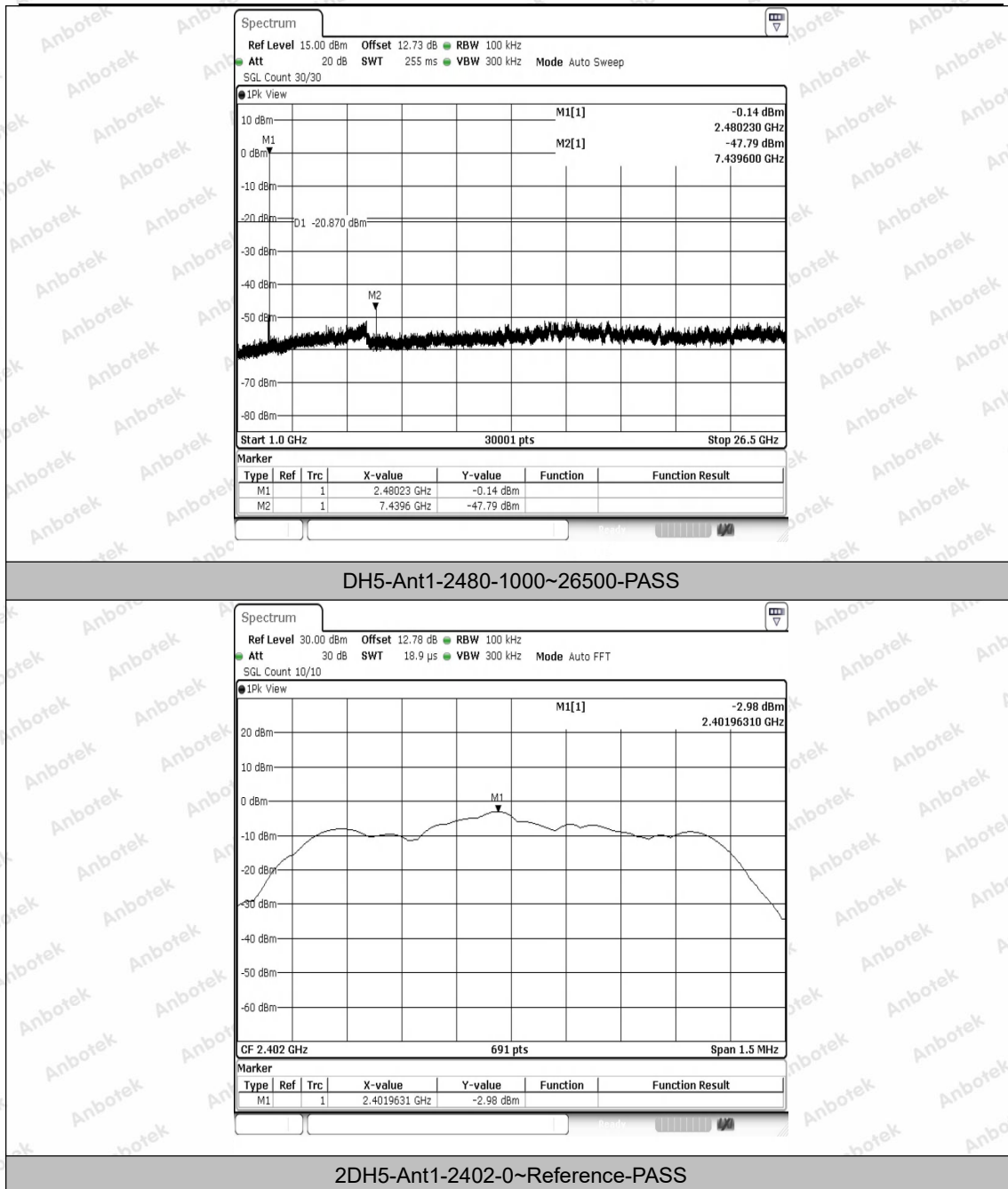
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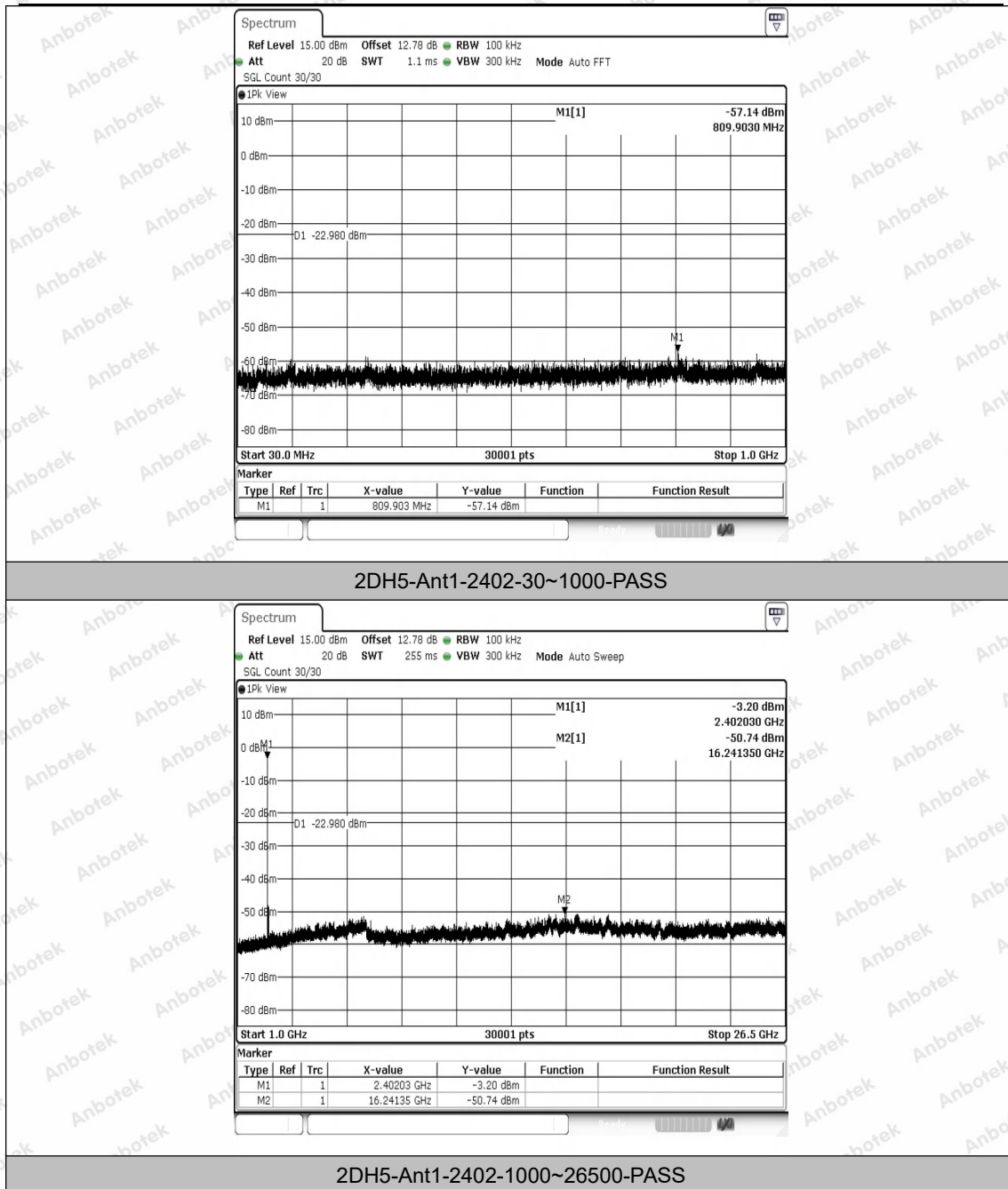
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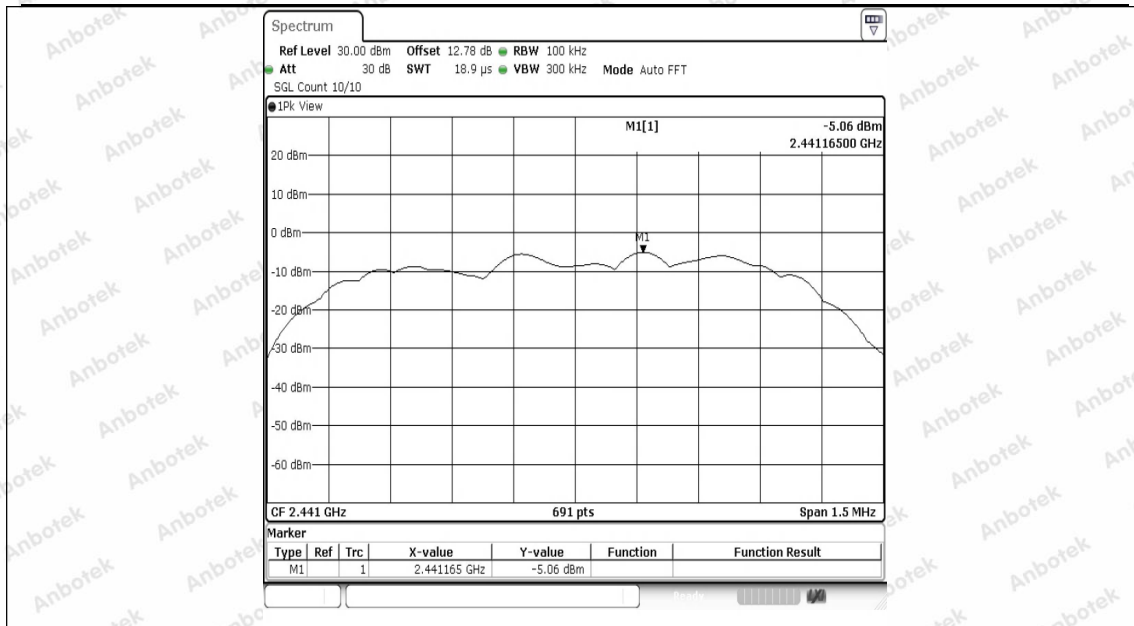
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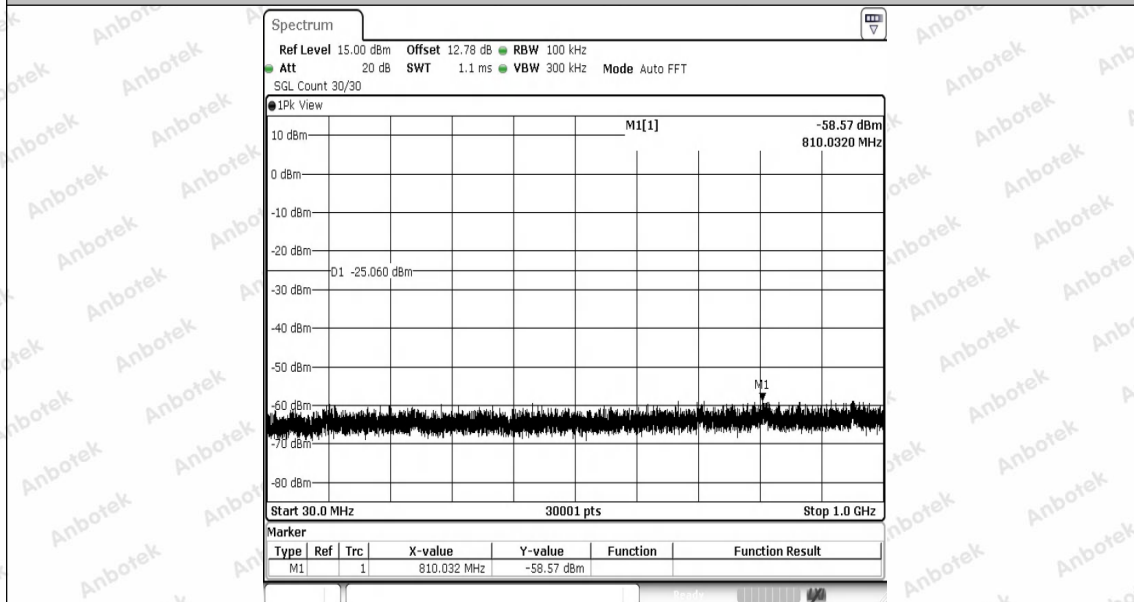


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2DH5-Ant1-2441-0~Reference-PASS



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

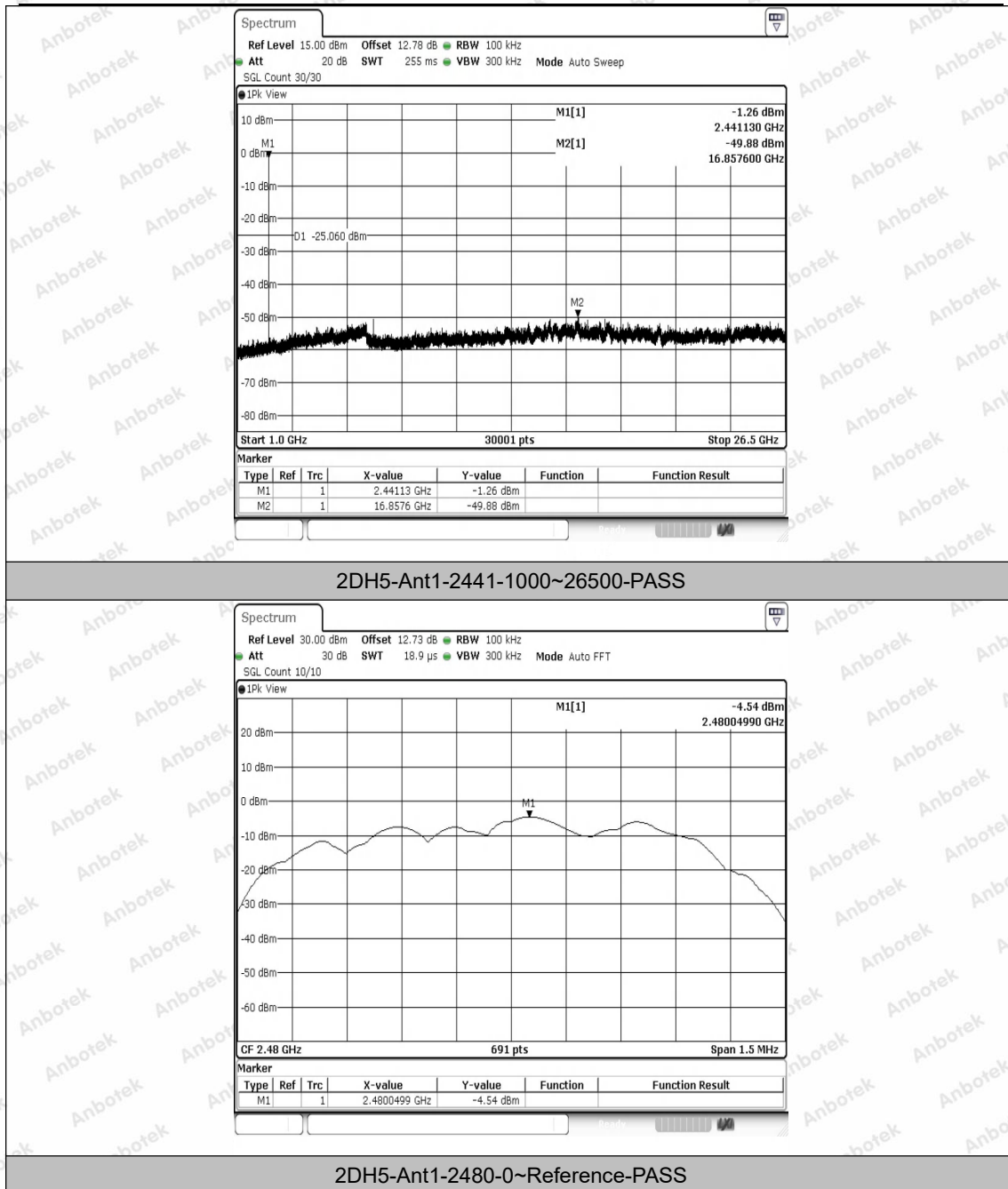
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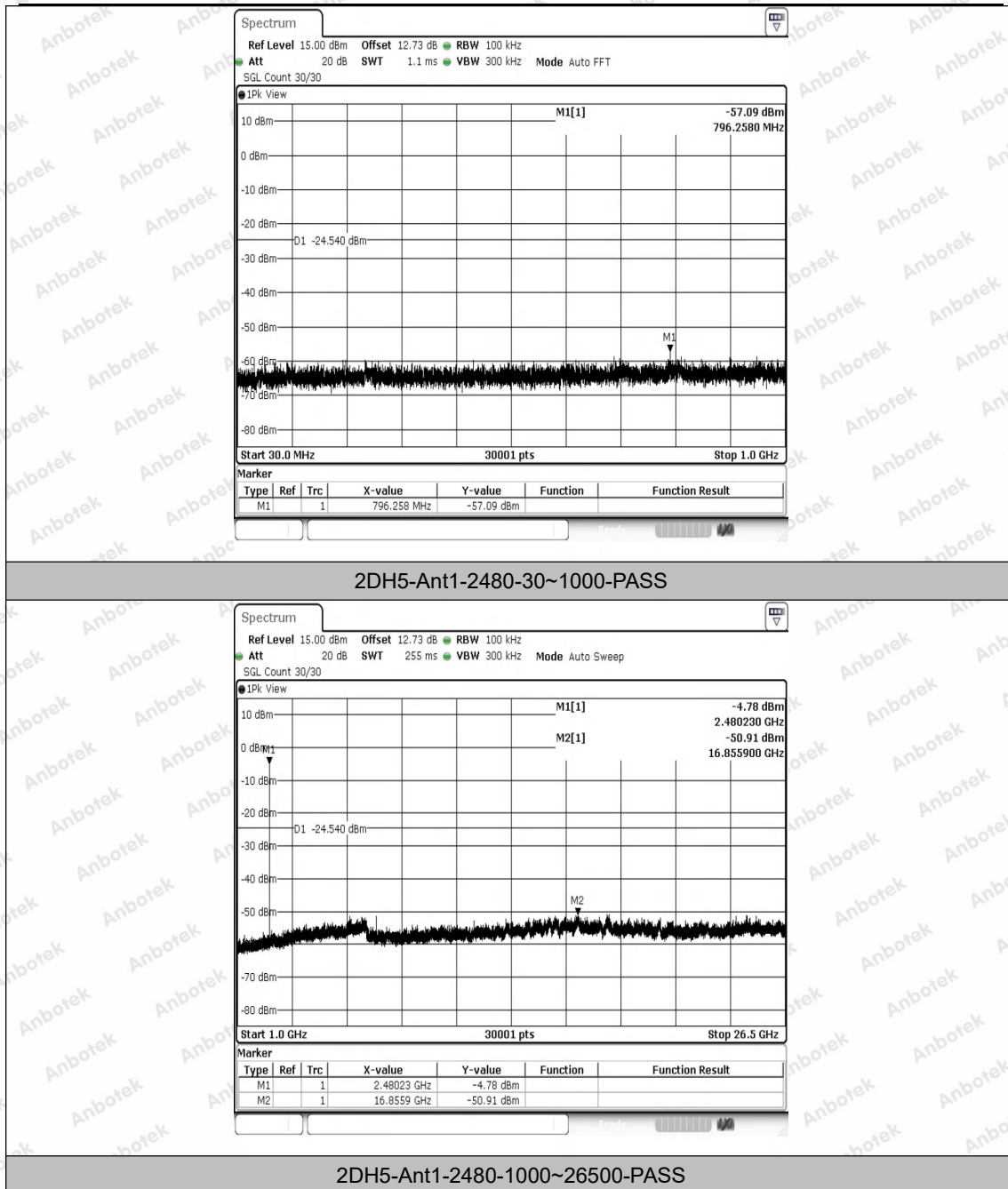
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Appendix I: Duty Cycle

Test Result

TestMode	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	3.76	76.86	1.14
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.76	76.86	1.14

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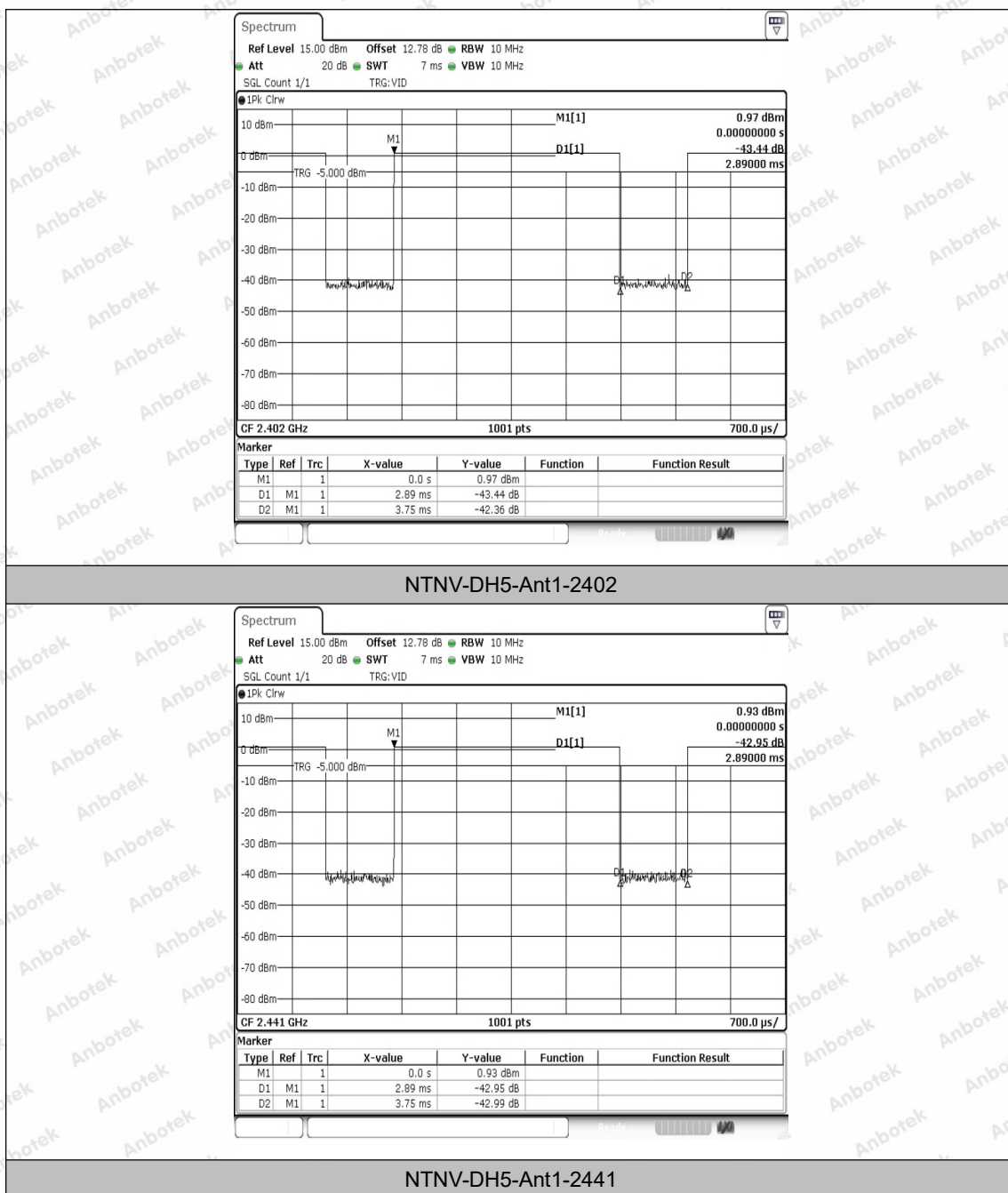
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Test Graphs



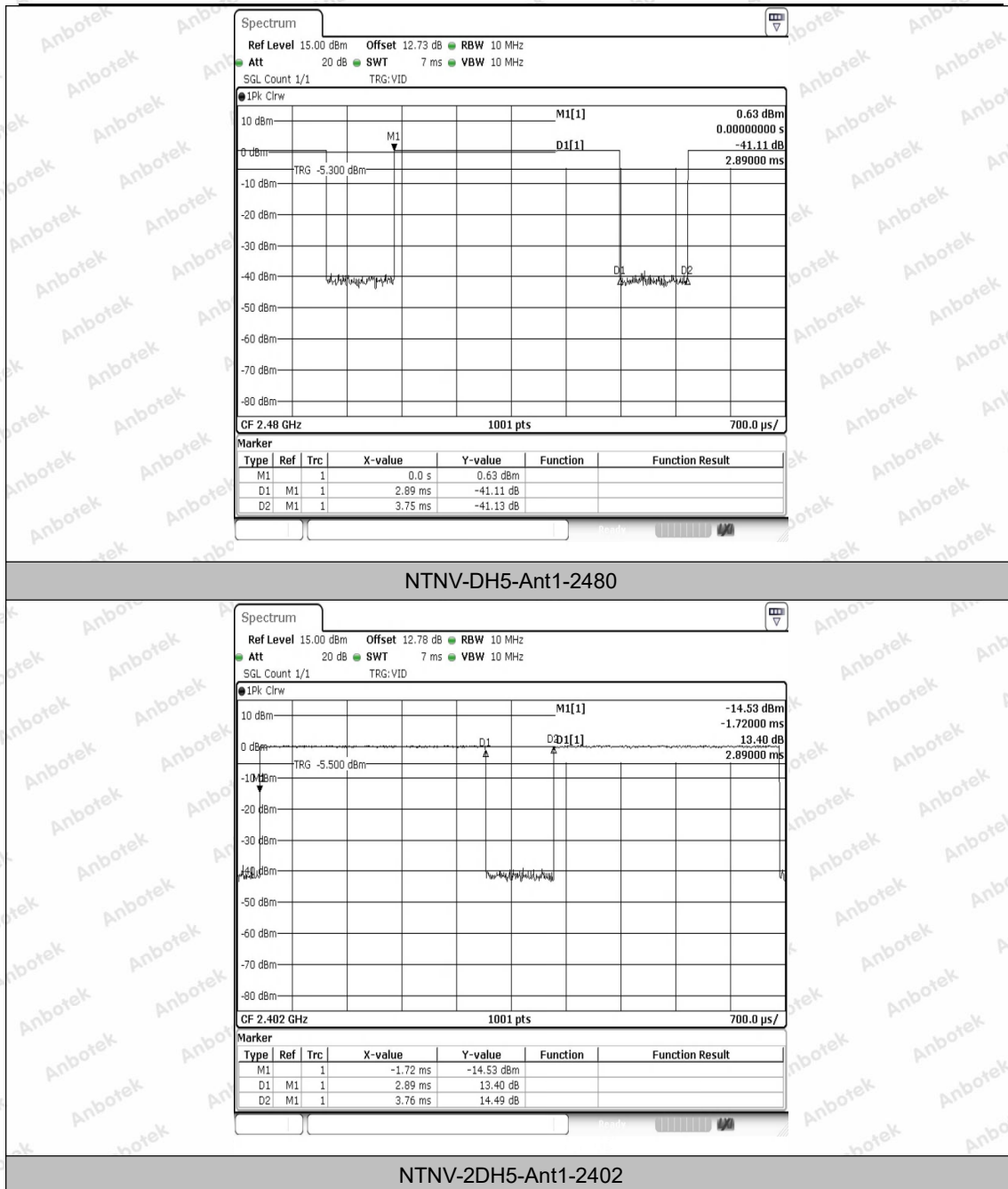
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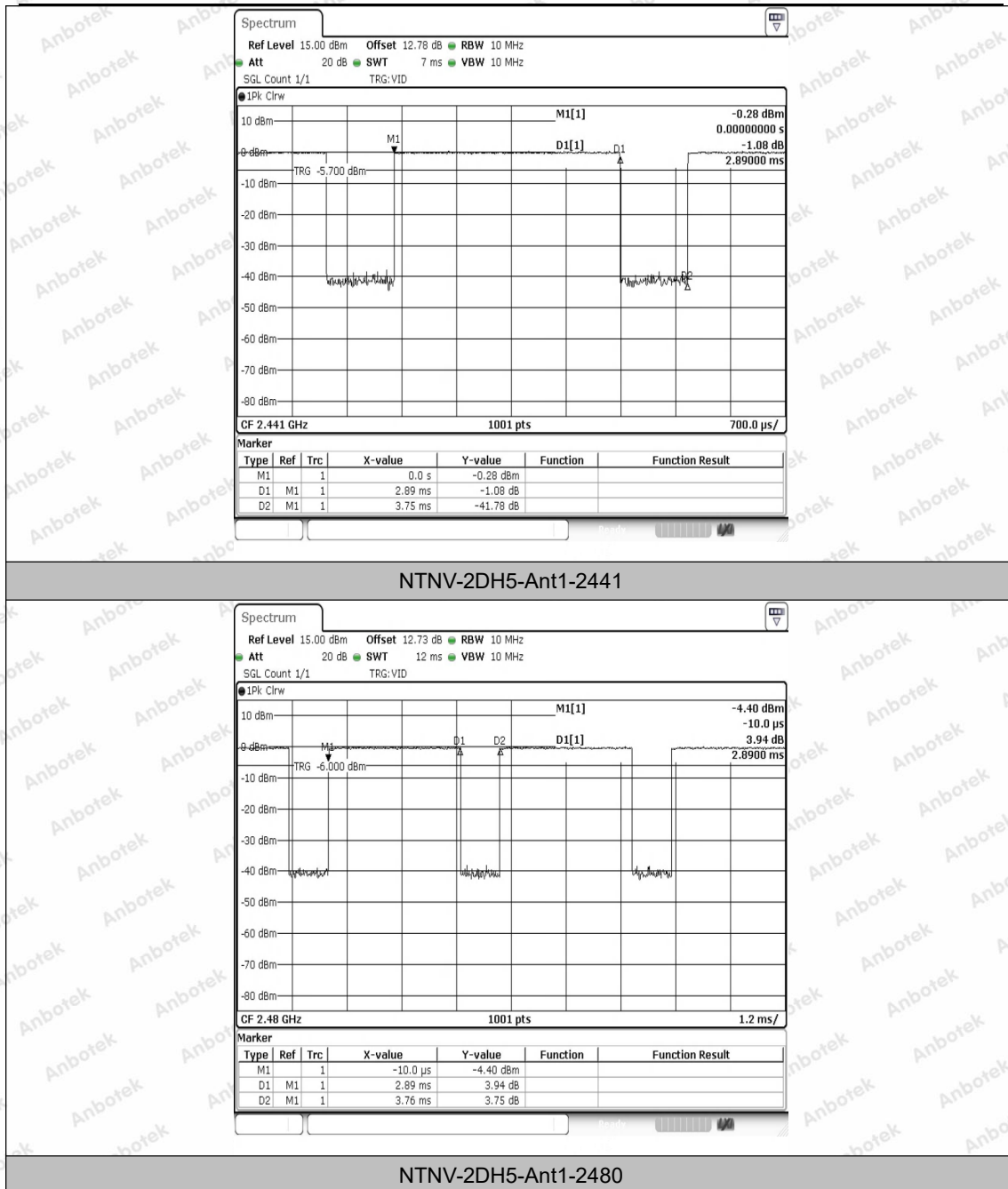
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