

Appendix Test Data

Report No:	1812C40103812501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.17	Finish Test Date:	2024.10.17
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	51%
Pressure:	101 kPa		

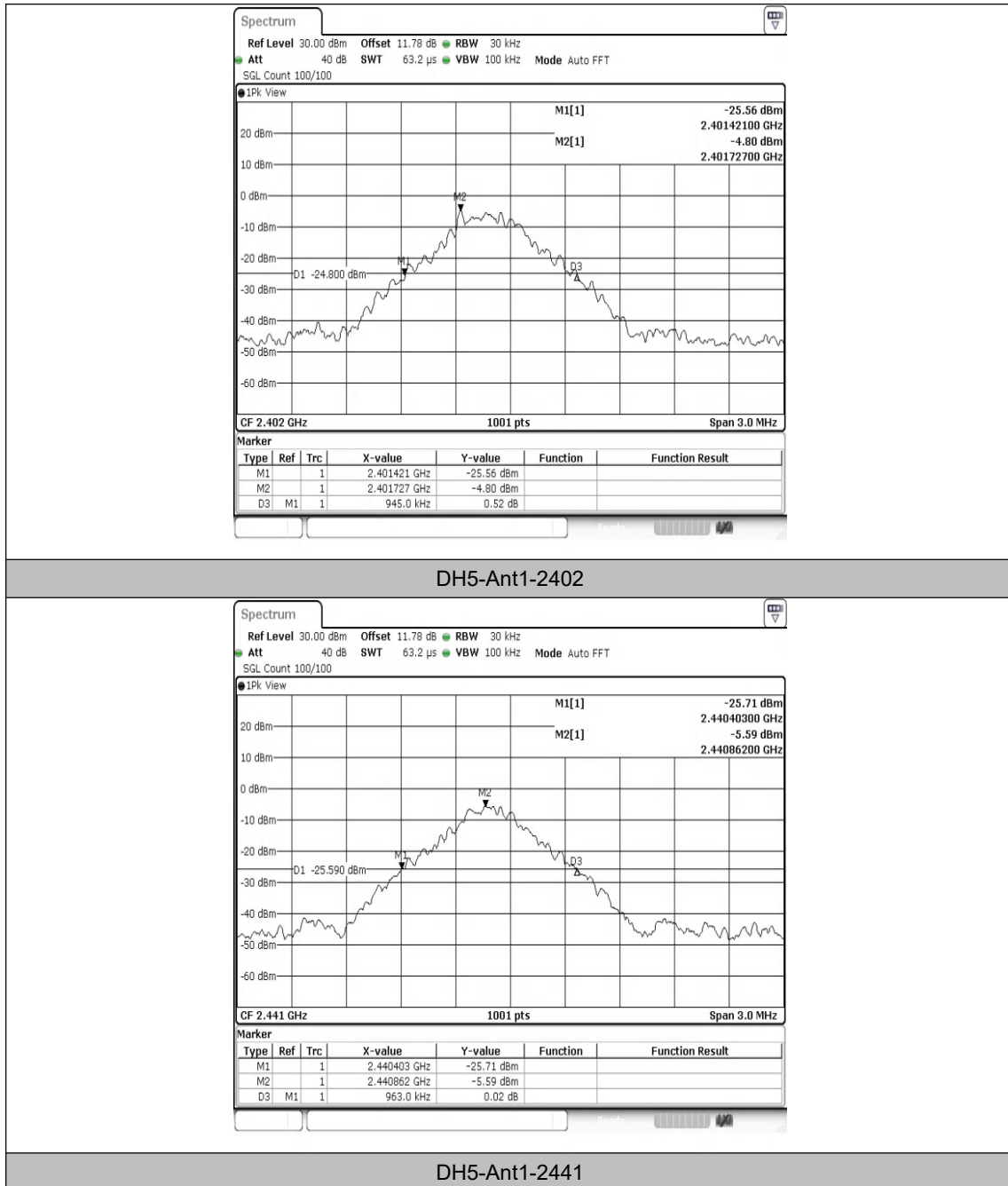
Appendix A: 20dB Emission Bandwidth

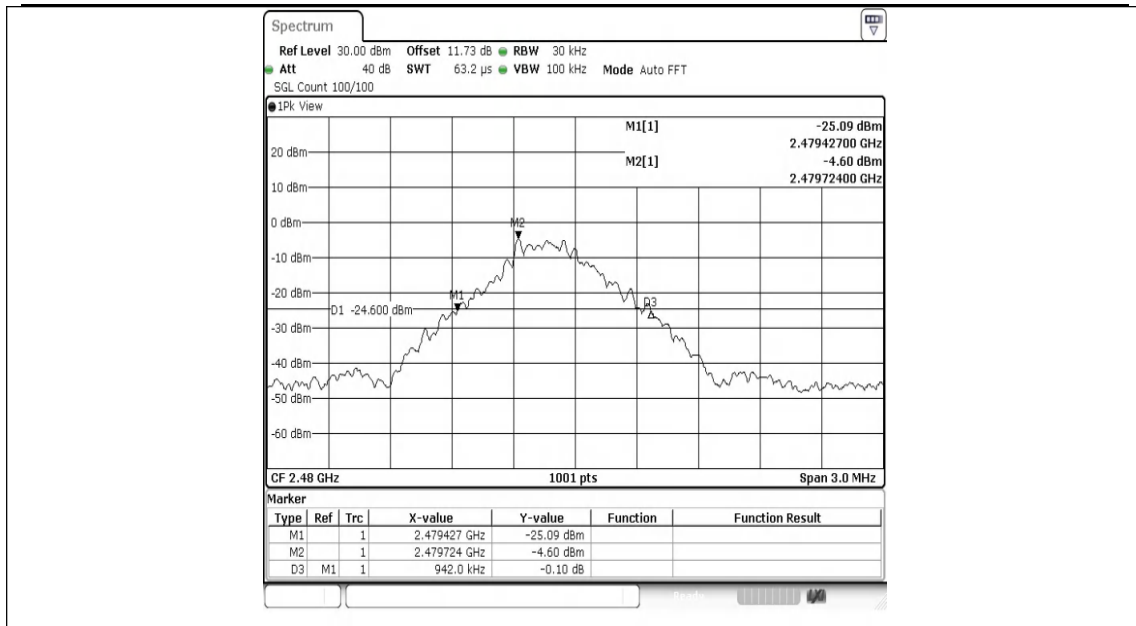
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.42	2402.37	---	---
DH5	Ant1	2441	0.96	2440.40	2441.37	---	---
DH5	Ant1	2480	0.94	2479.43	2480.37	---	---
2DH5	Ant1	2402	1.34	2401.22	2402.56	---	---
2DH5	Ant1	2441	1.32	2440.23	2441.55	---	---
2DH5	Ant1	2480	1.29	2479.25	2480.54	---	---
3DH5	Ant1	2402	1.30	2401.24	2402.54	---	---
3DH5	Ant1	2441	1.36	2440.21	2441.56	---	---
3DH5	Ant1	2480	1.29	2479.24	2480.53	---	---

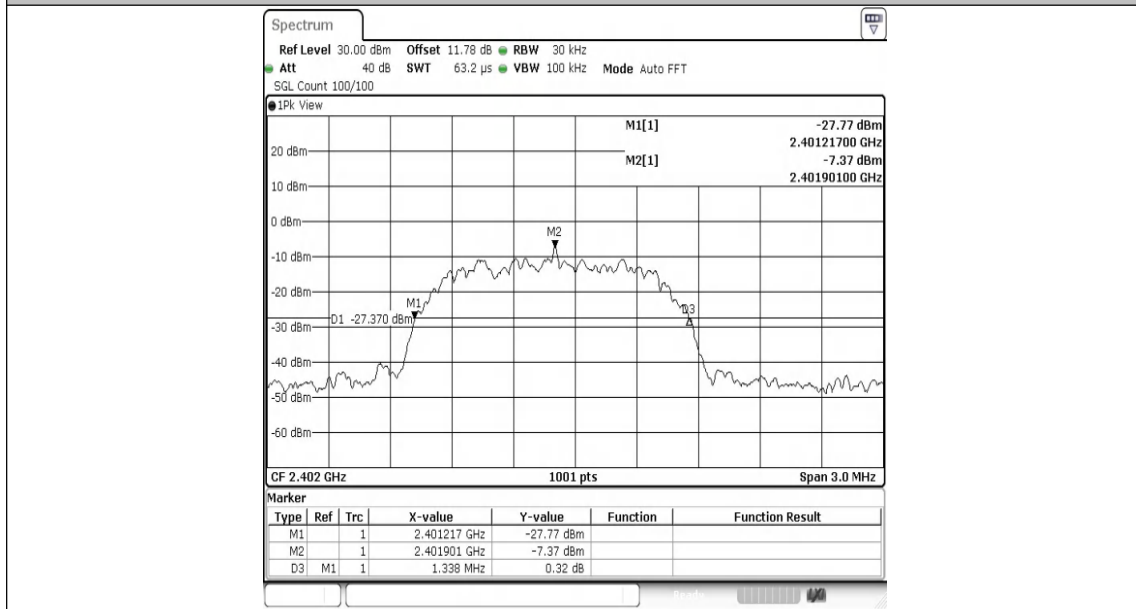


Test Graphs



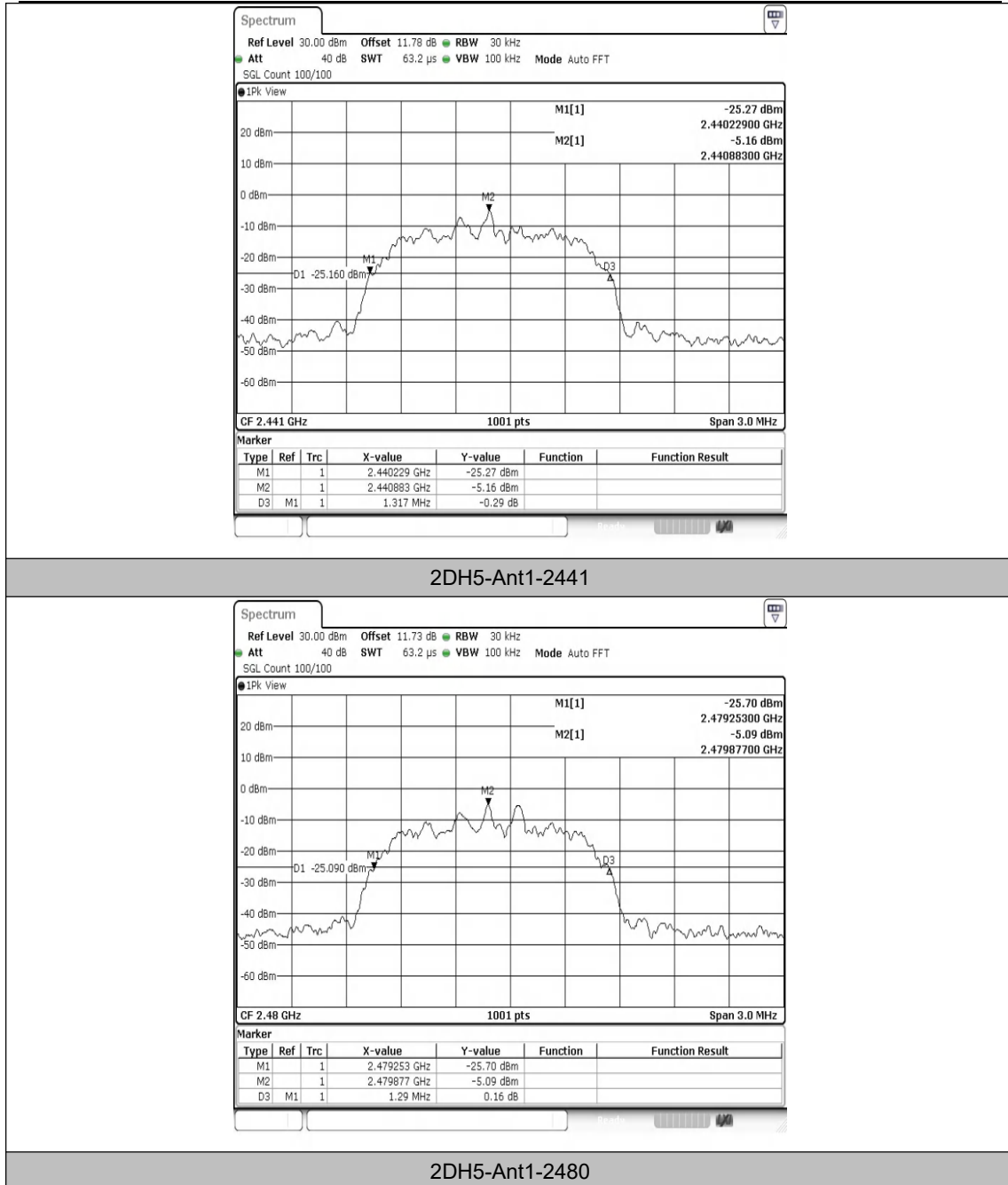


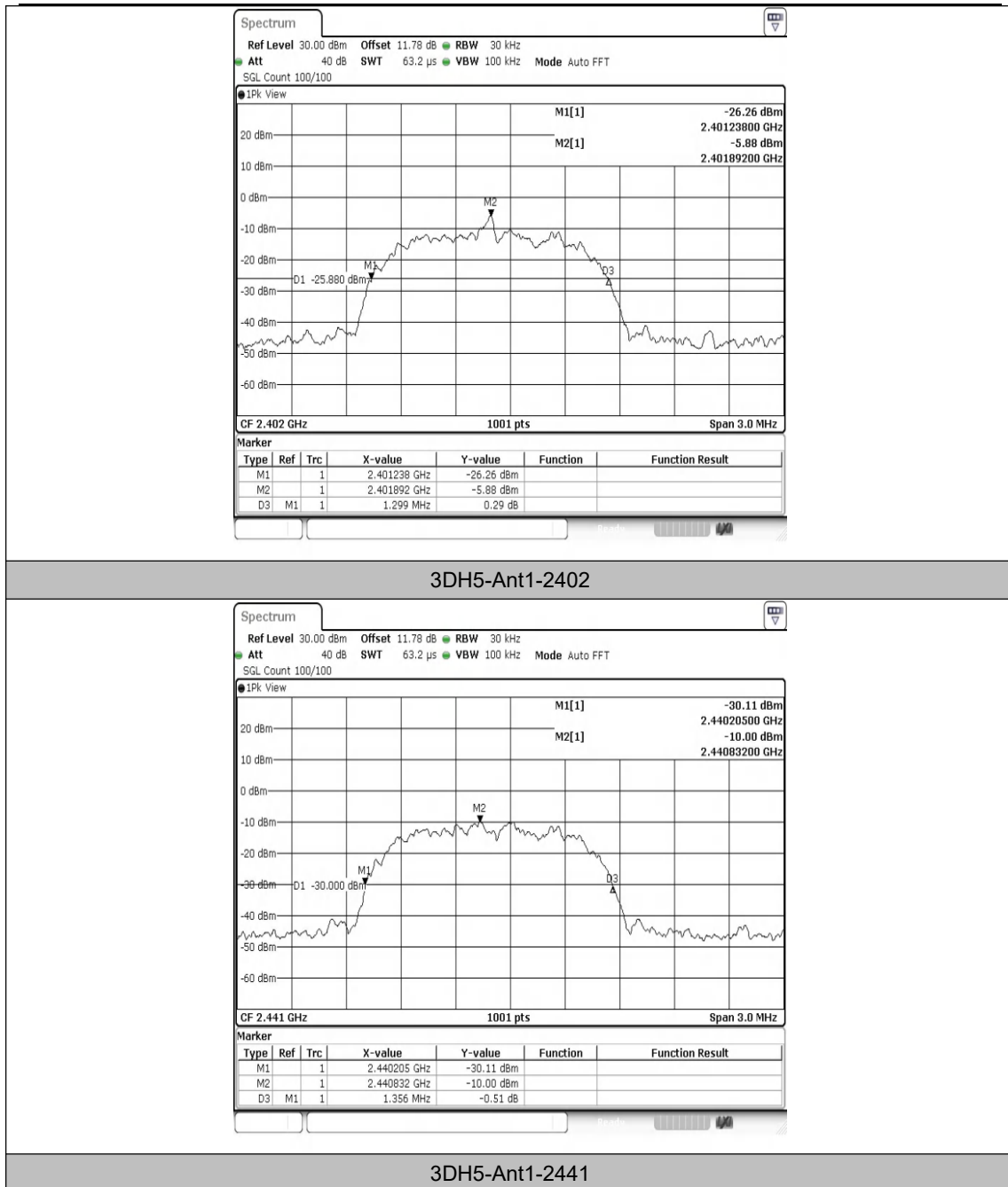
DH5-Ant1-2480

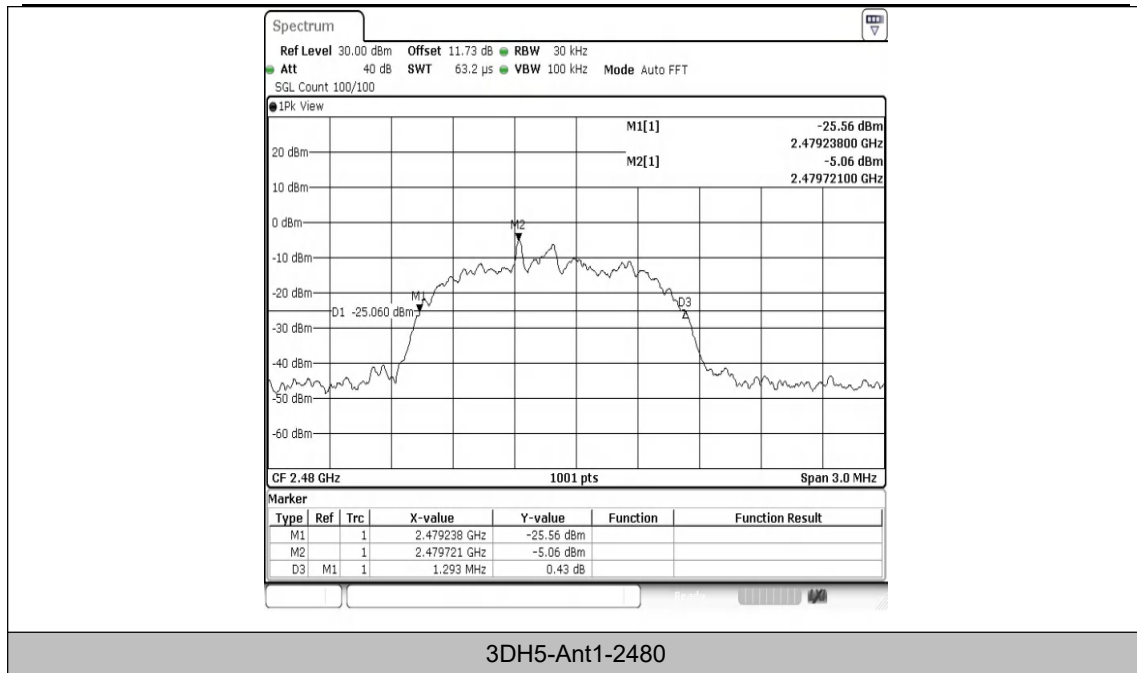


2DH5-Ant1-2402









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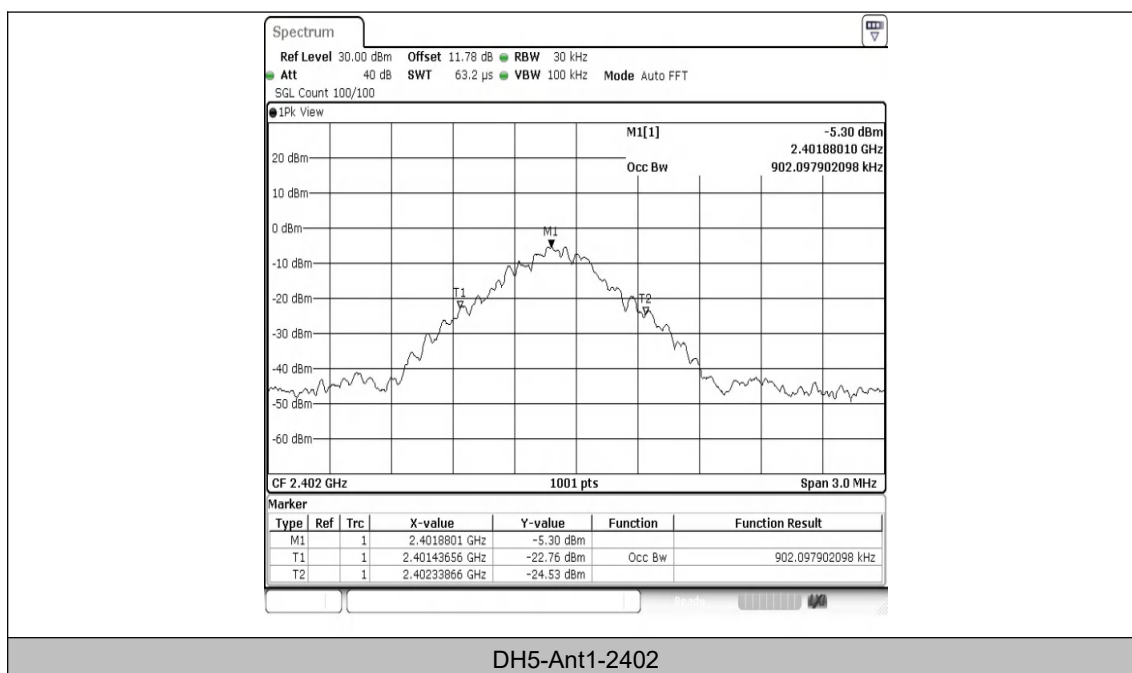


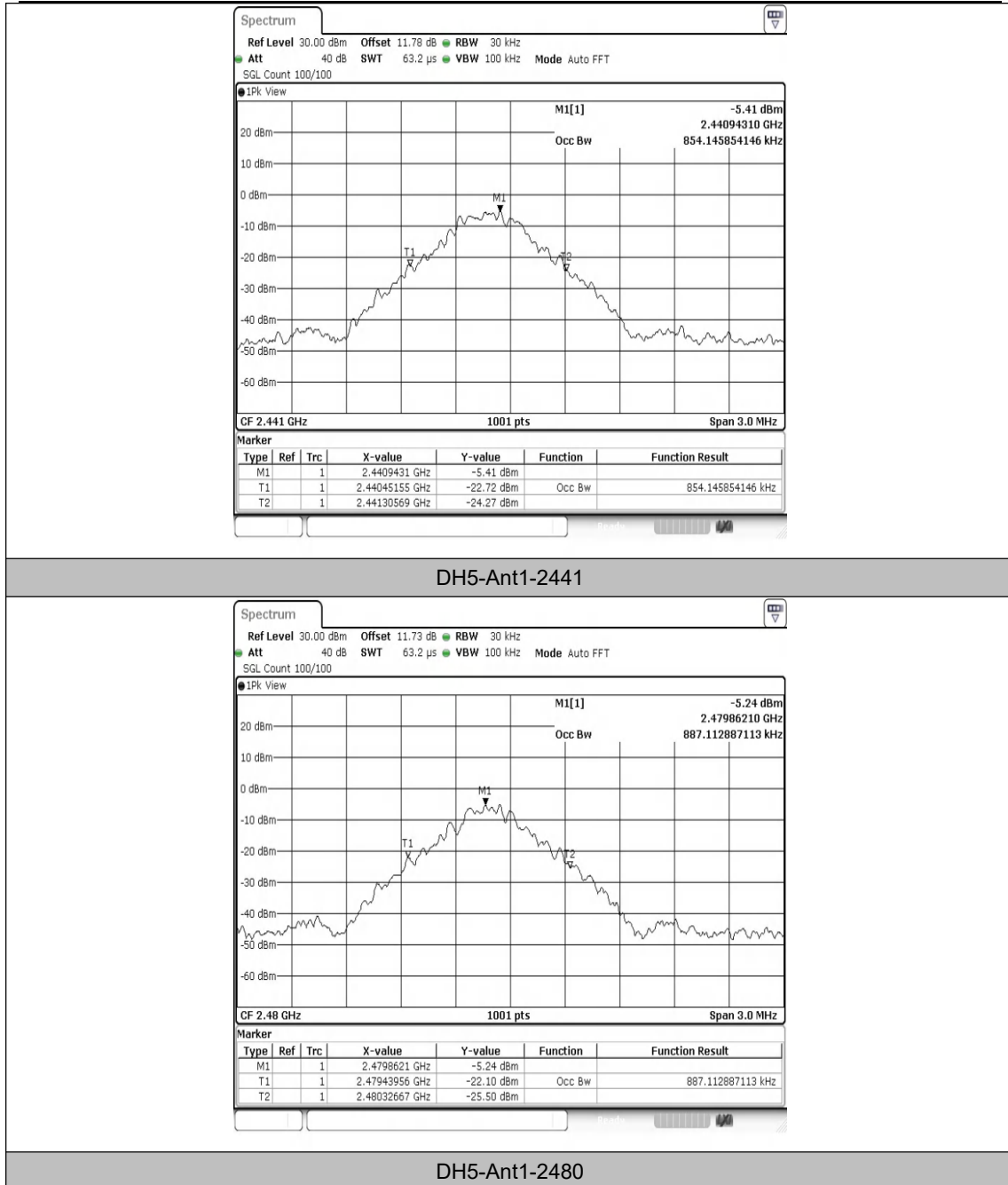
Appendix B: Occupied Channel Bandwidth

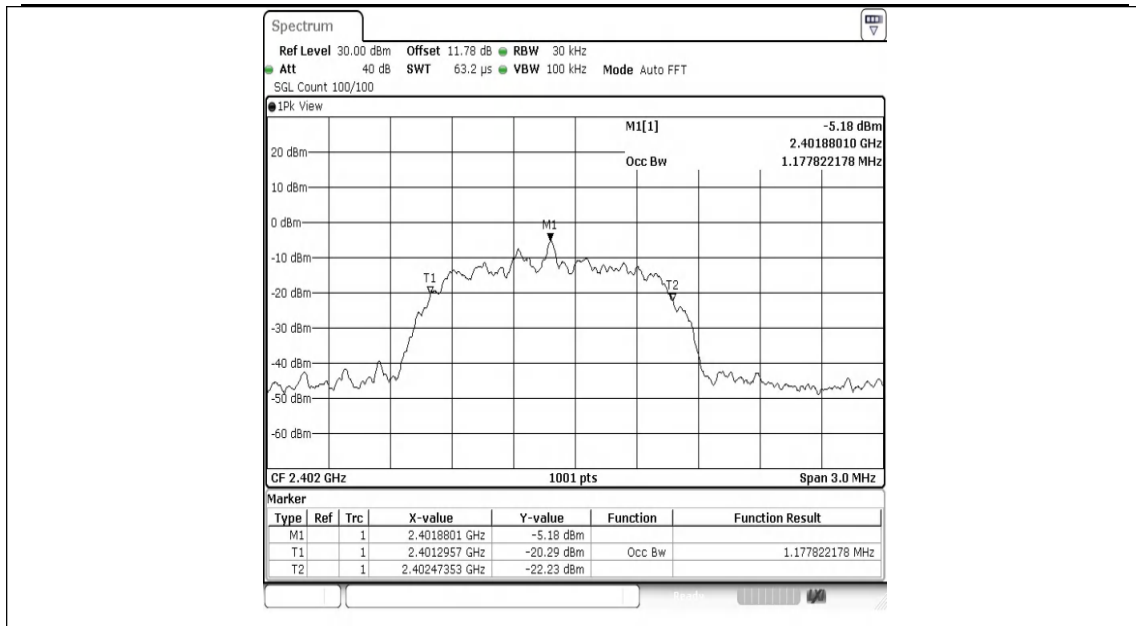
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.902	2401.4366	2402.3387	---	---
DH5	Ant1	2441	0.854	2440.4515	2441.3057	---	---
DH5	Ant1	2480	0.887	2479.4396	2480.3267	---	---
2DH5	Ant1	2402	1.178	2401.2957	2402.4735	---	---
2DH5	Ant1	2441	1.193	2440.2927	2441.4855	---	---
2DH5	Ant1	2480	1.196	2479.2867	2480.4825	---	---
3DH5	Ant1	2402	1.202	2401.2867	2402.4885	---	---
3DH5	Ant1	2441	1.187	2440.2927	2441.4795	---	---
3DH5	Ant1	2480	1.211	2479.2747	2480.4855	---	---

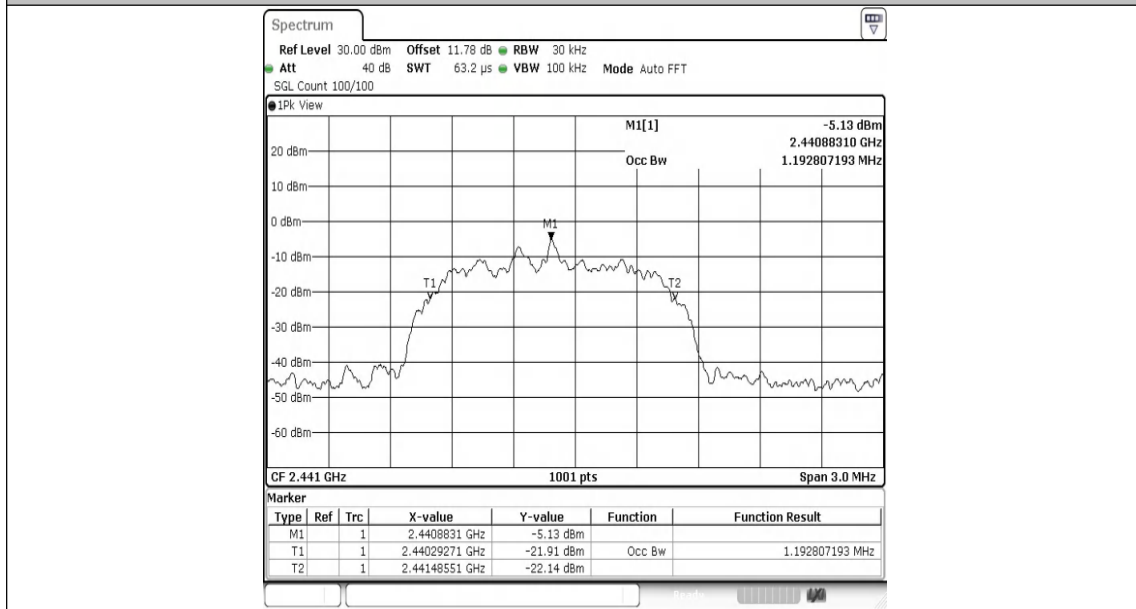
Test Graphs





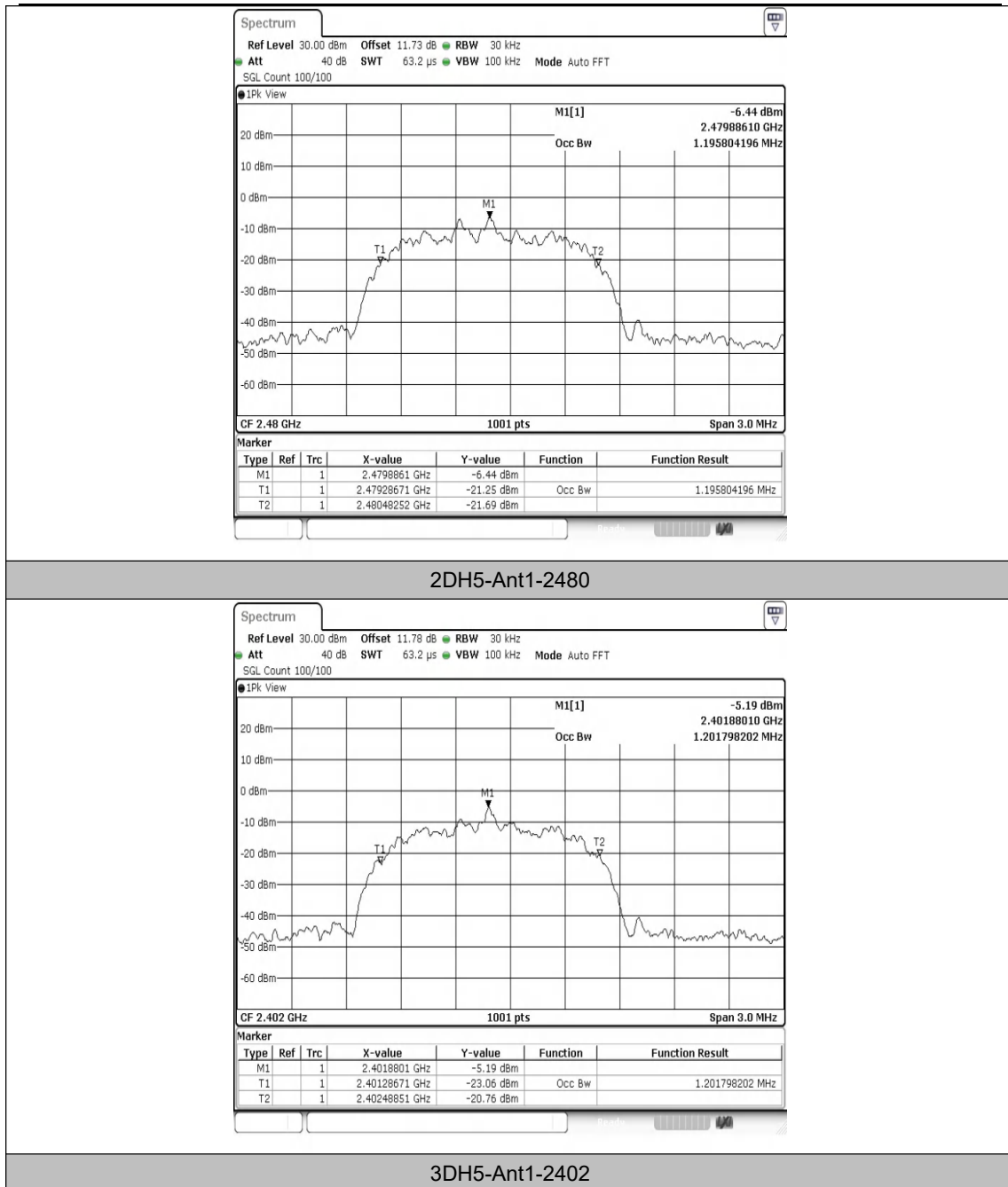


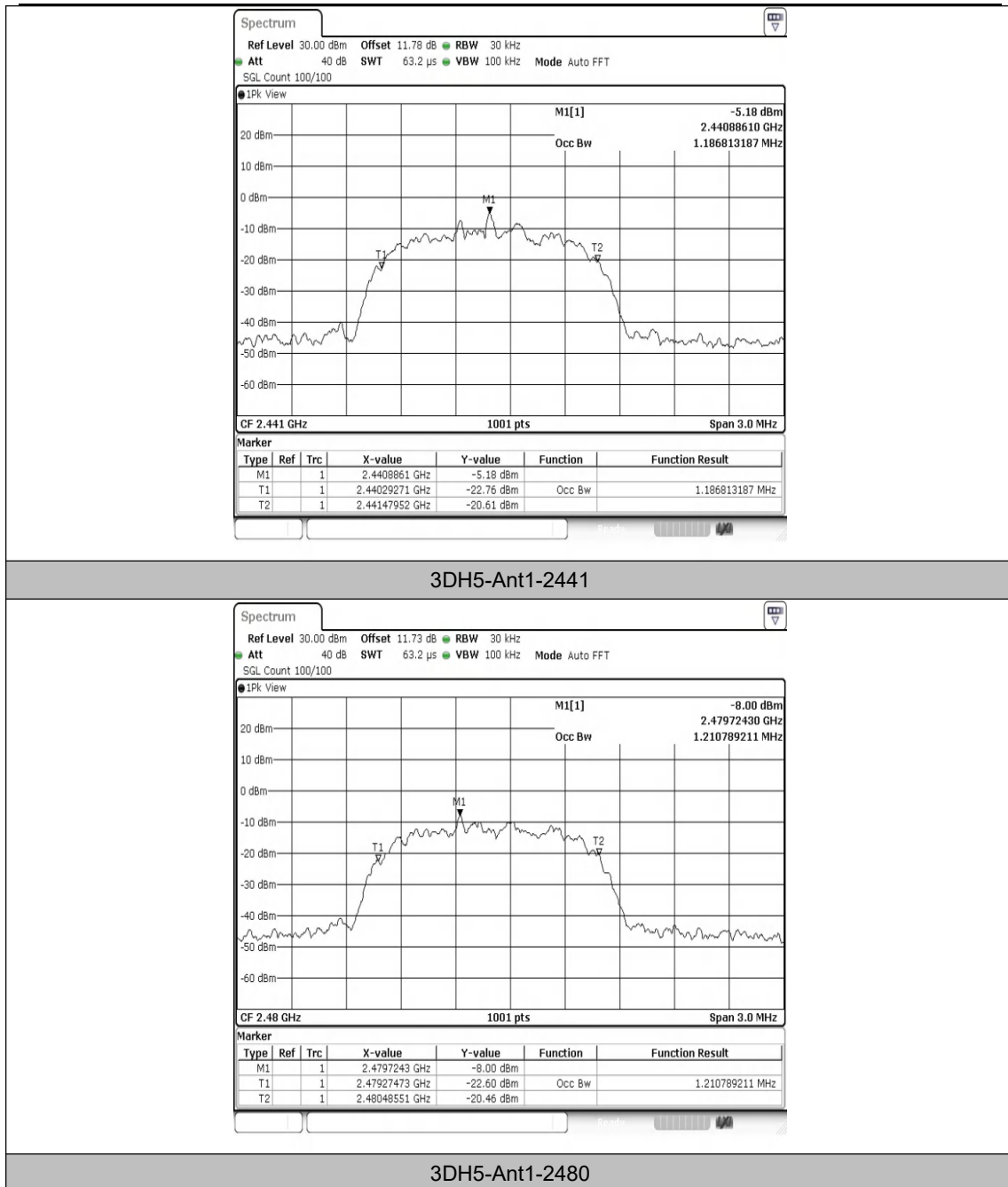
2DH5-Ant1-2402



2DH5-Ant1-2441





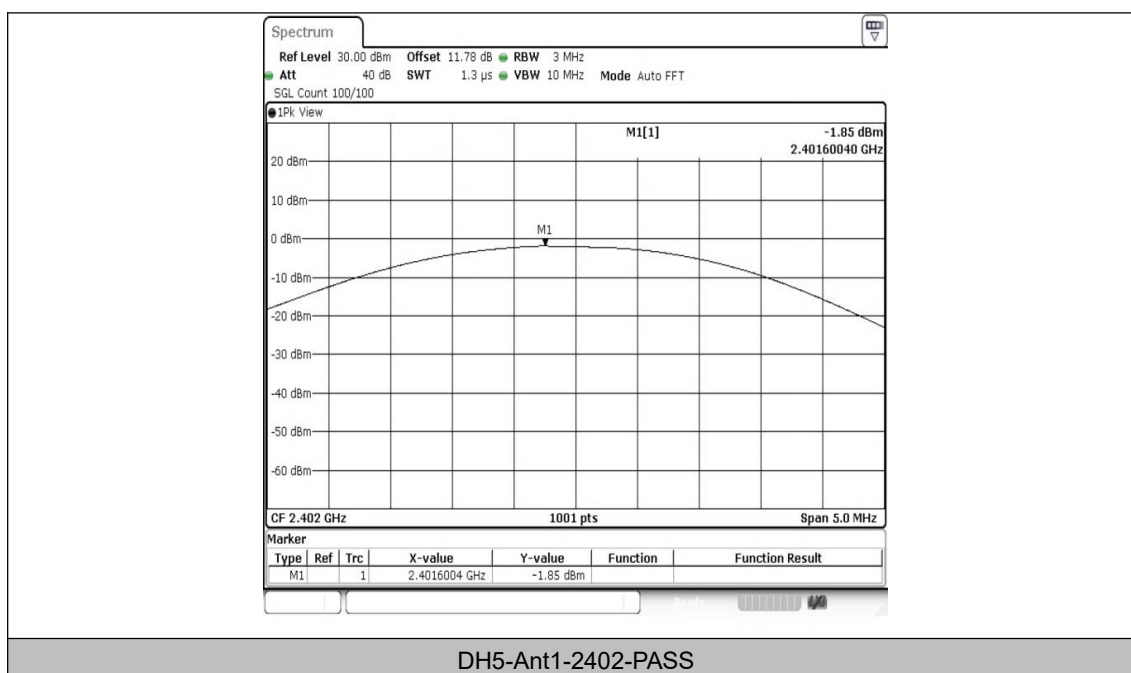


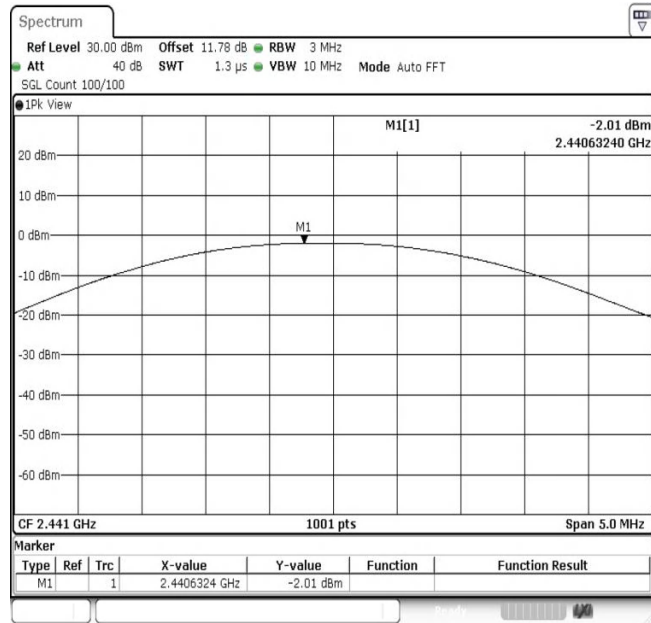
Appendix C: Maximum conducted output power

Test Result Peak

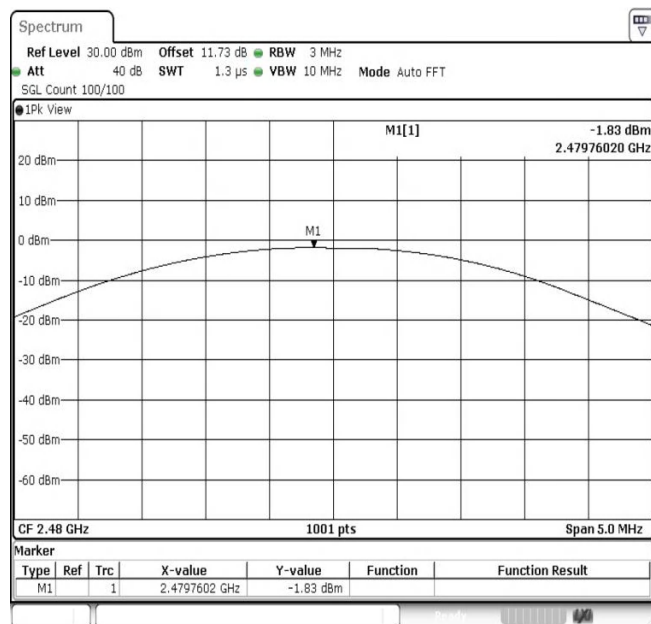
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.85	≤20.97	PASS
DH5	Ant1	2441	-2.01	≤20.97	PASS
DH5	Ant1	2480	-1.83	≤20.97	PASS
2DH5	Ant1	2402	-1.52	≤20.97	PASS
2DH5	Ant1	2441	-1.29	≤20.97	PASS
2DH5	Ant1	2480	-1.05	≤20.97	PASS
3DH5	Ant1	2402	-1.27	≤20.97	PASS
3DH5	Ant1	2441	-1.37	≤20.97	PASS
3DH5	Ant1	2480	-0.81	≤20.97	PASS

Test Graphs



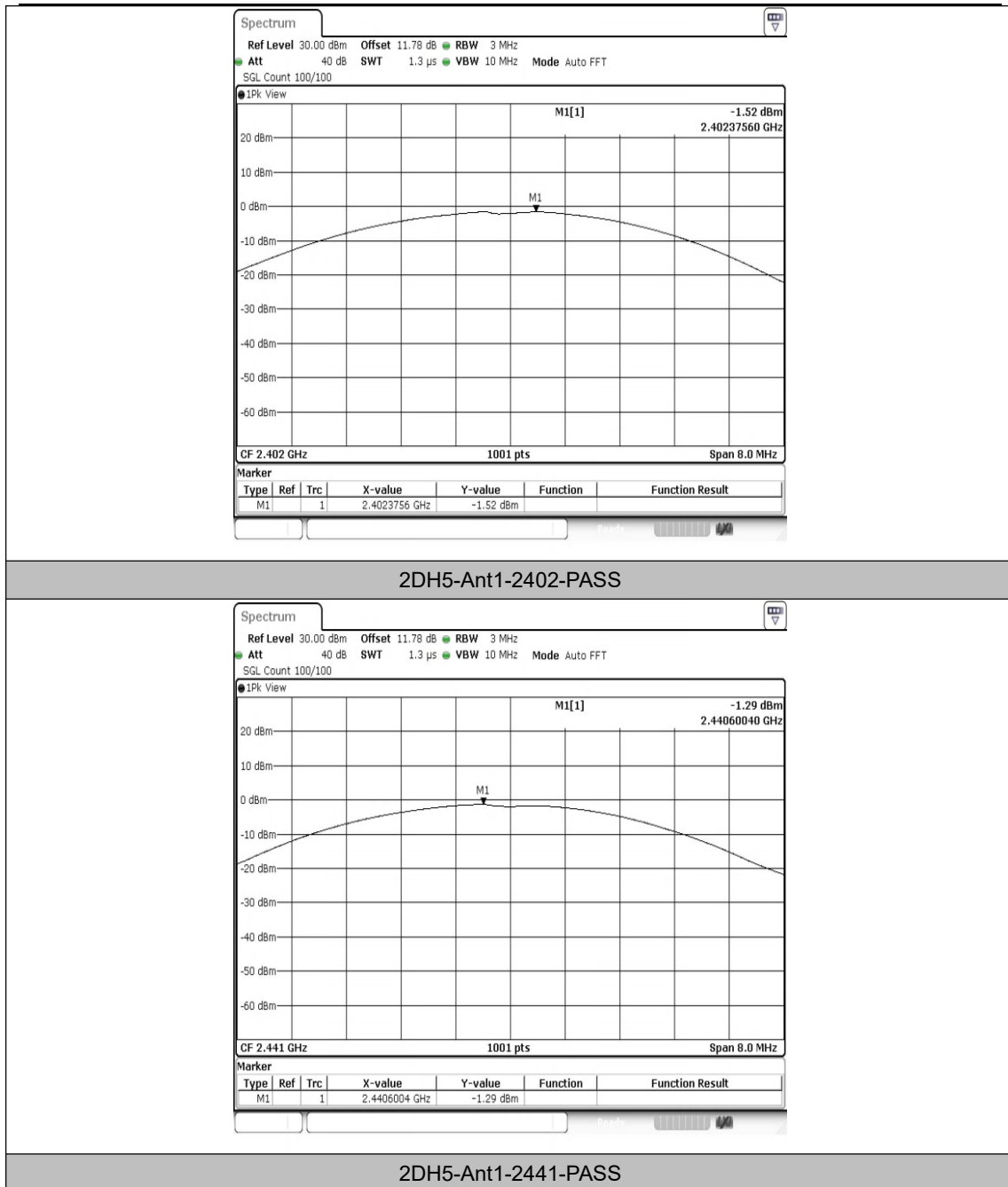


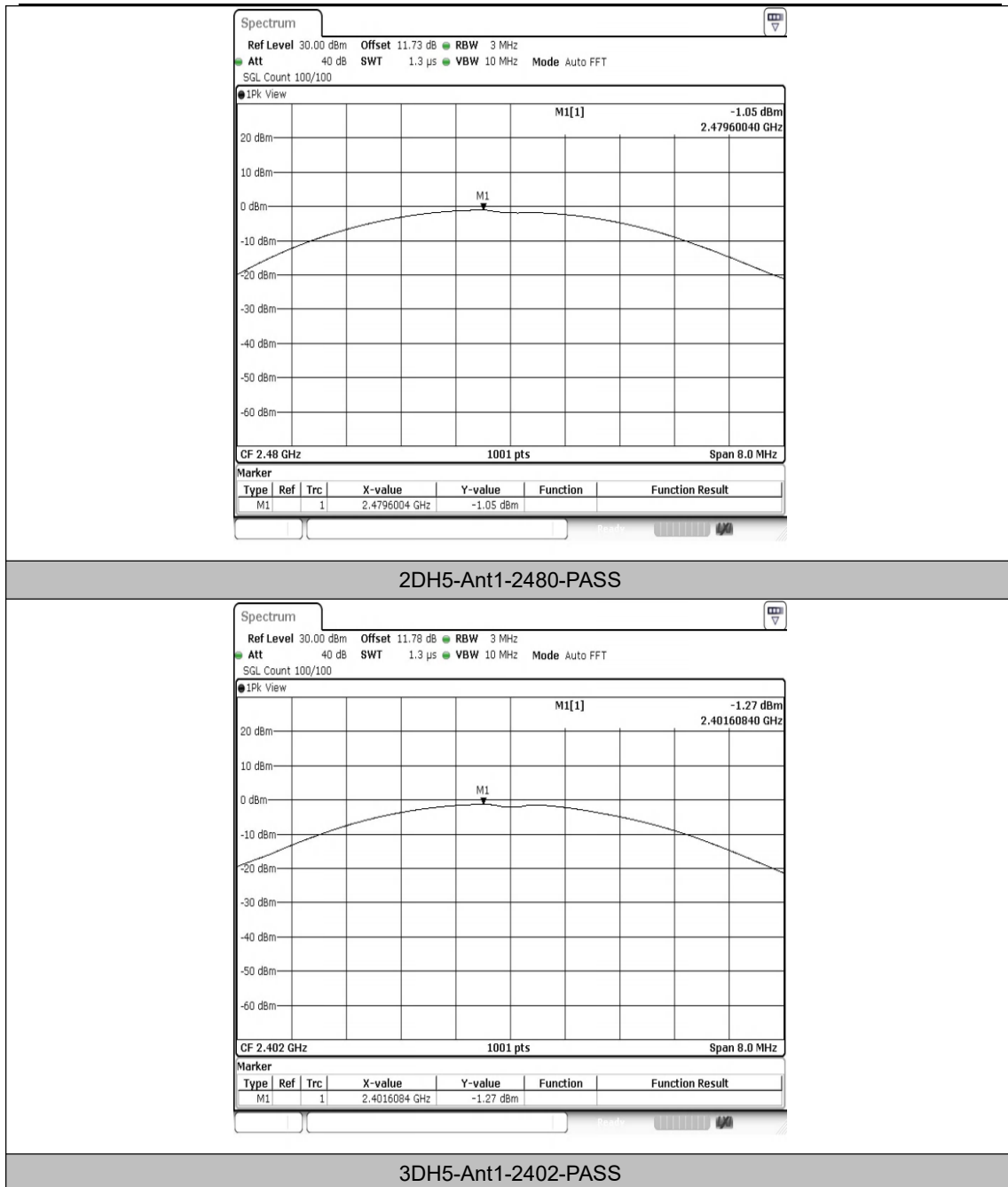
DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS





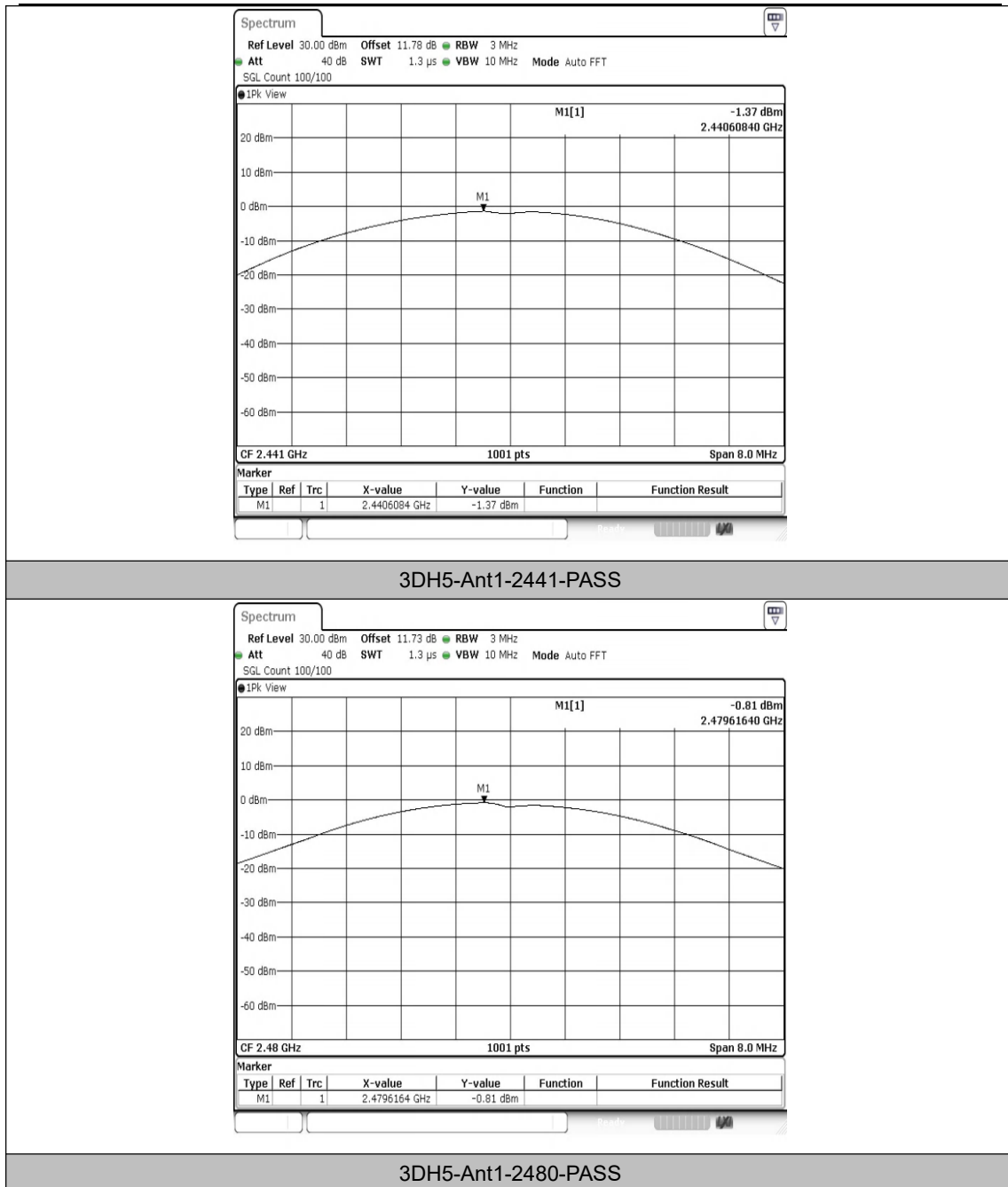


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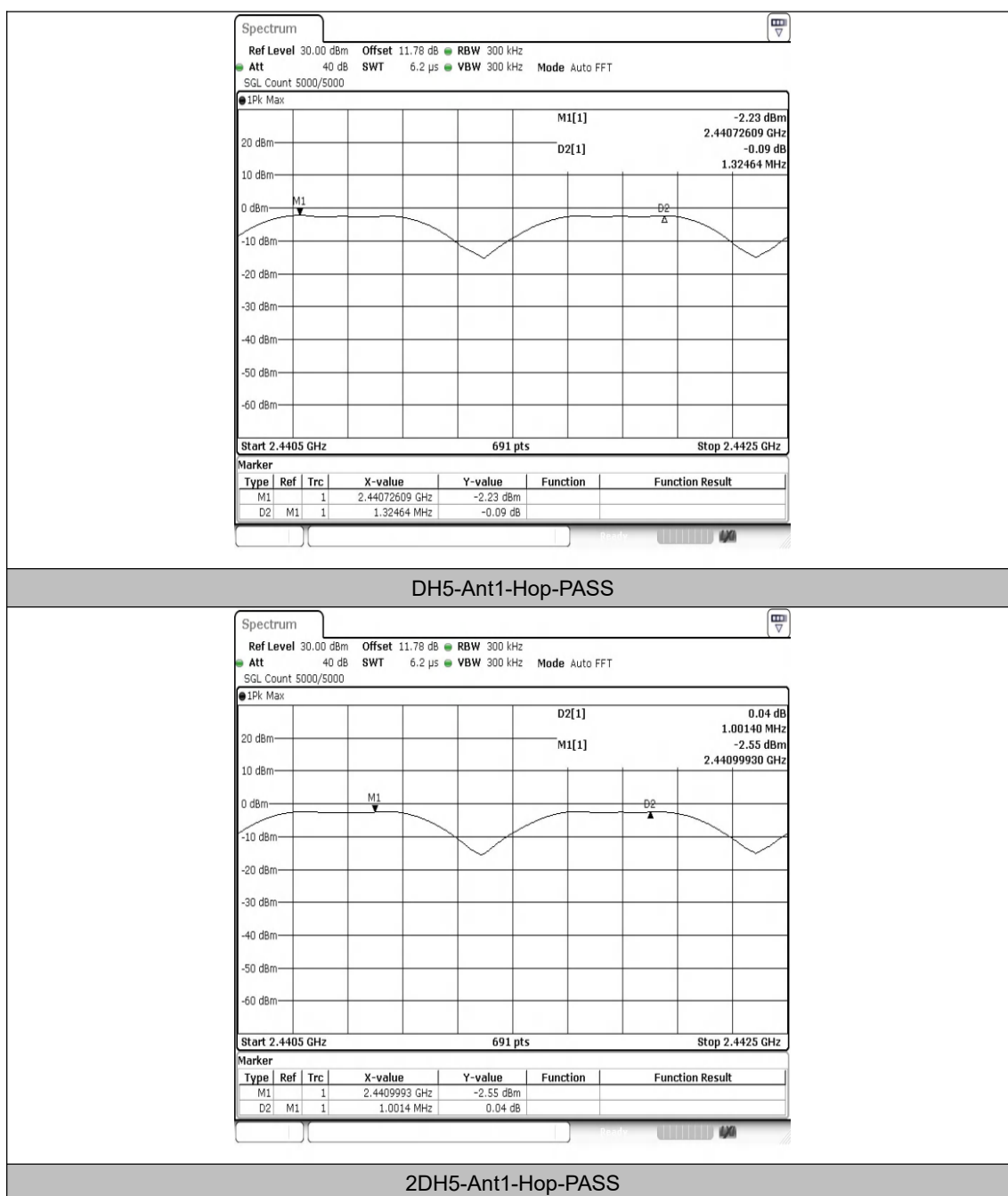


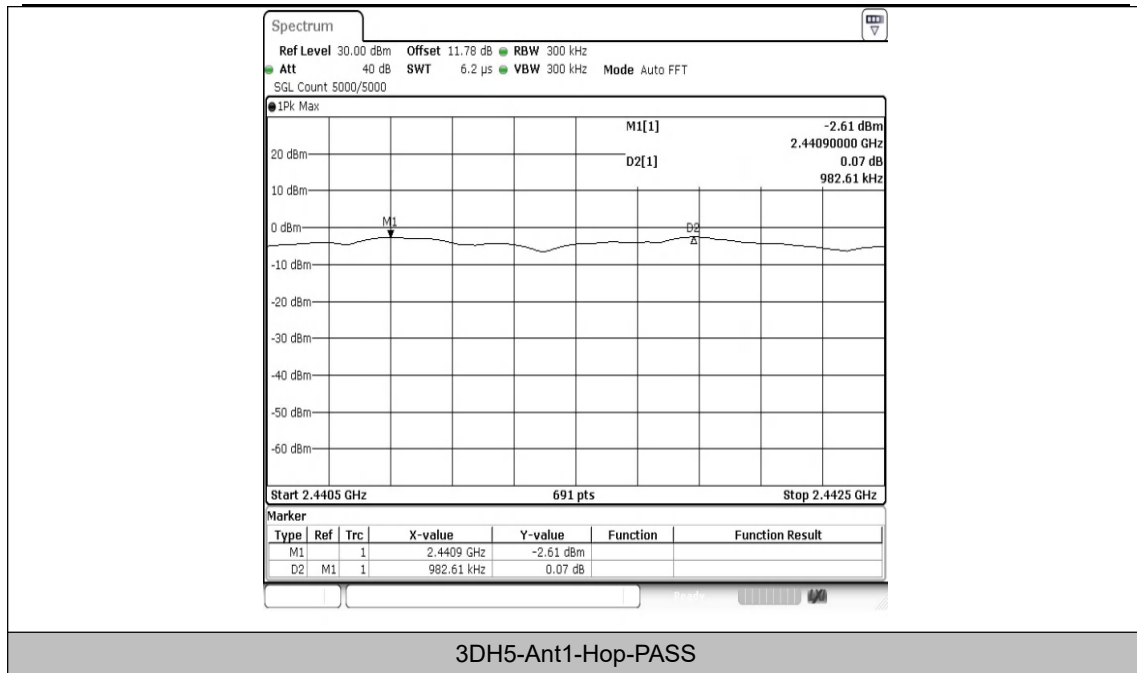
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.325	≥0.640	PASS
2DH5	Ant1	Hop	1.001	≥0.893	PASS
3DH5	Ant1	Hop	0.983	≥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	0.375	319	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.631	150	0.245	≤0.4	PASS
DH5	Ant1	Hop	2.879	104	0.299	≤0.4	PASS
2DH1	Ant1	Hop	0.384	319	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.630	164	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
3DH1	Ant1	Hop	0.385	319	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.636	164	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.888	117	0.338	≤0.4	PASS

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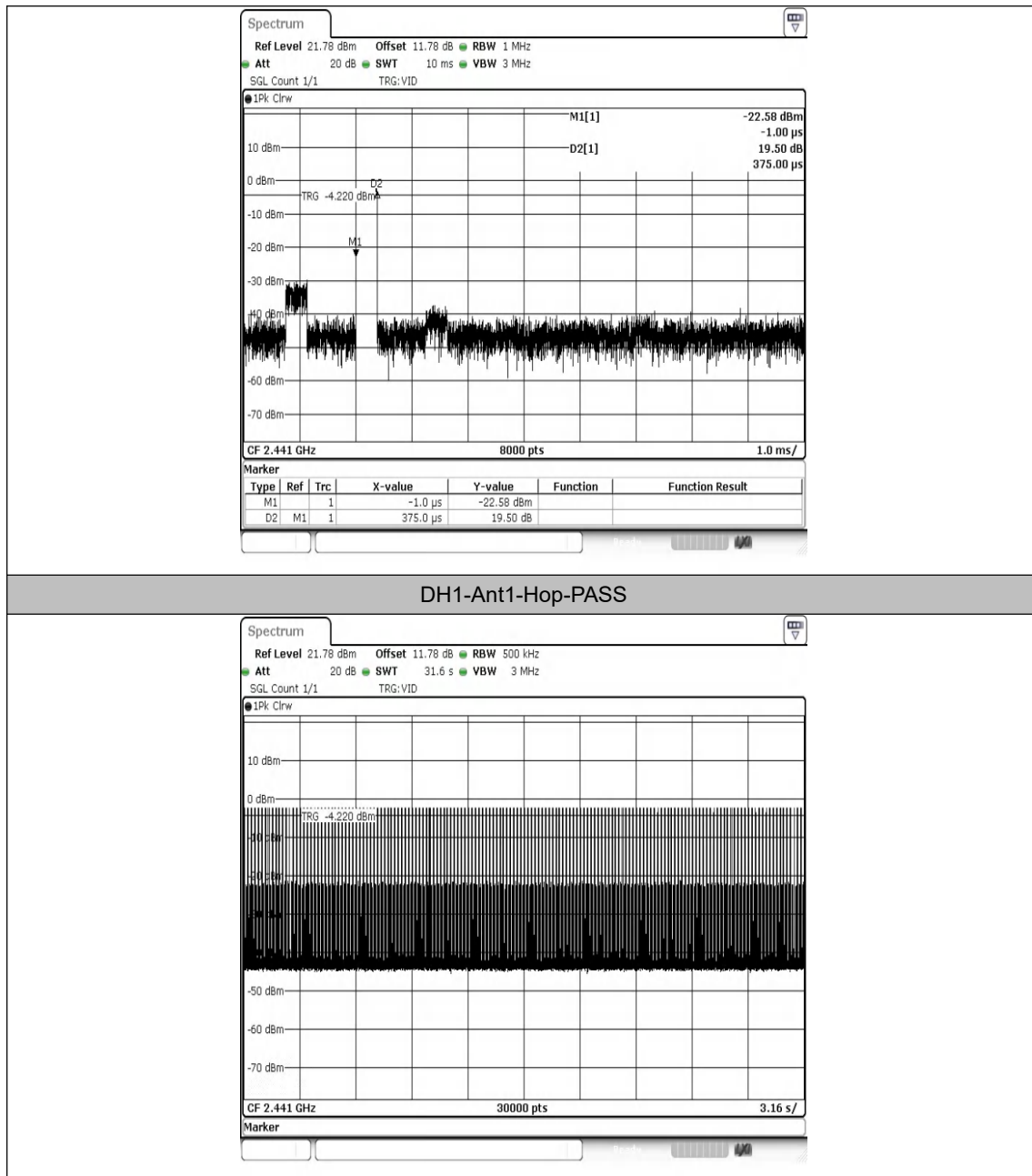
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Test Graphs

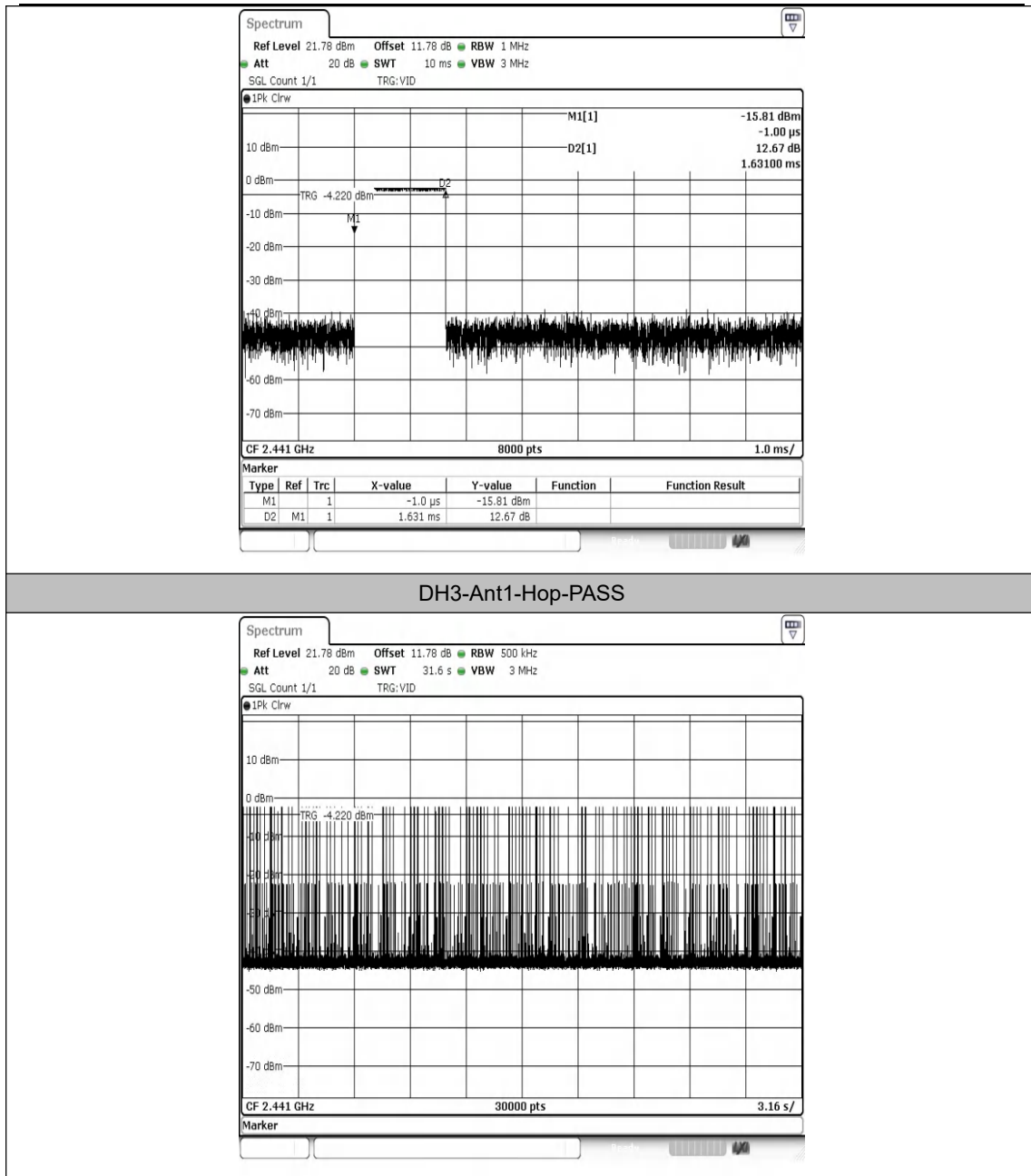


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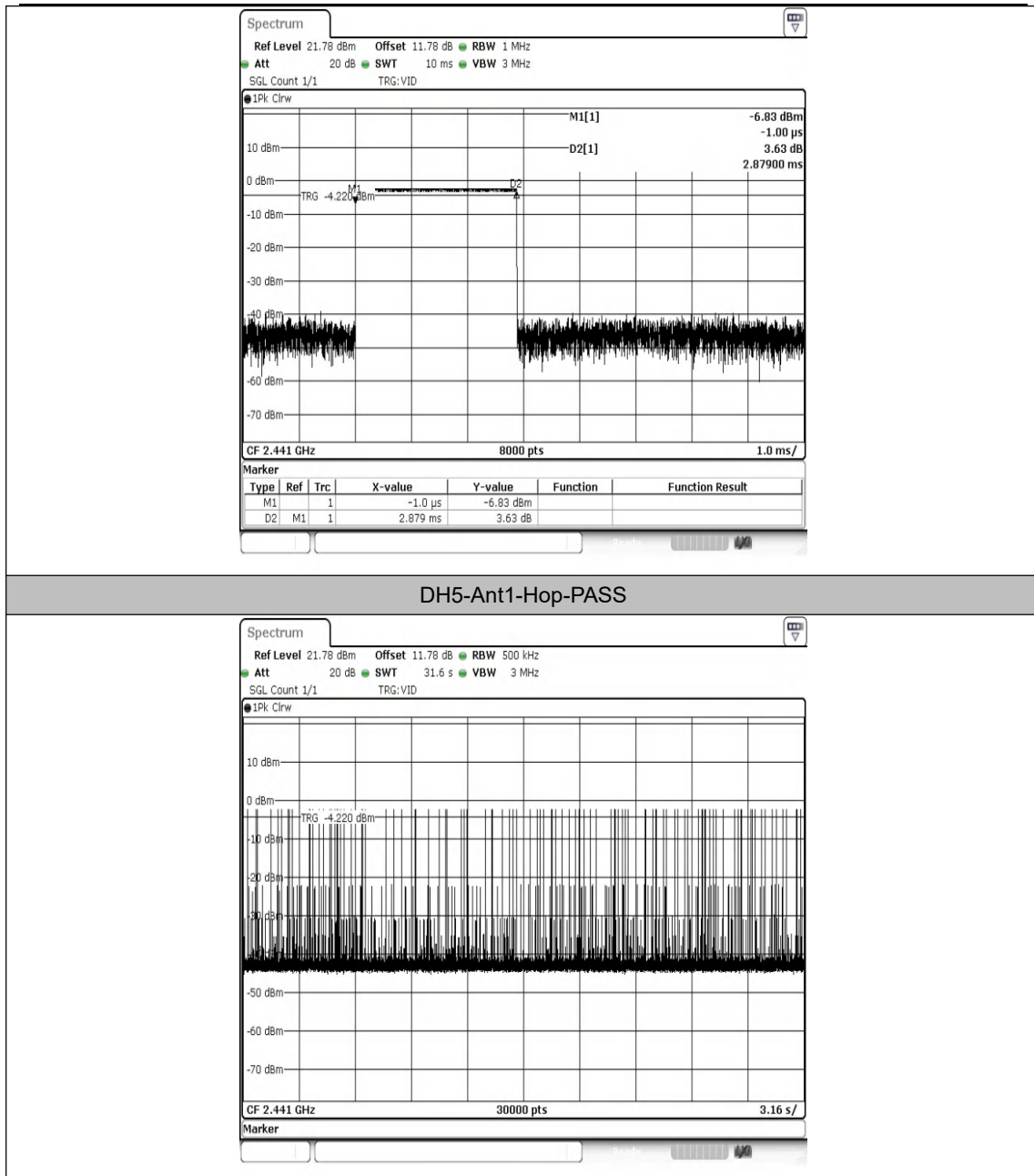


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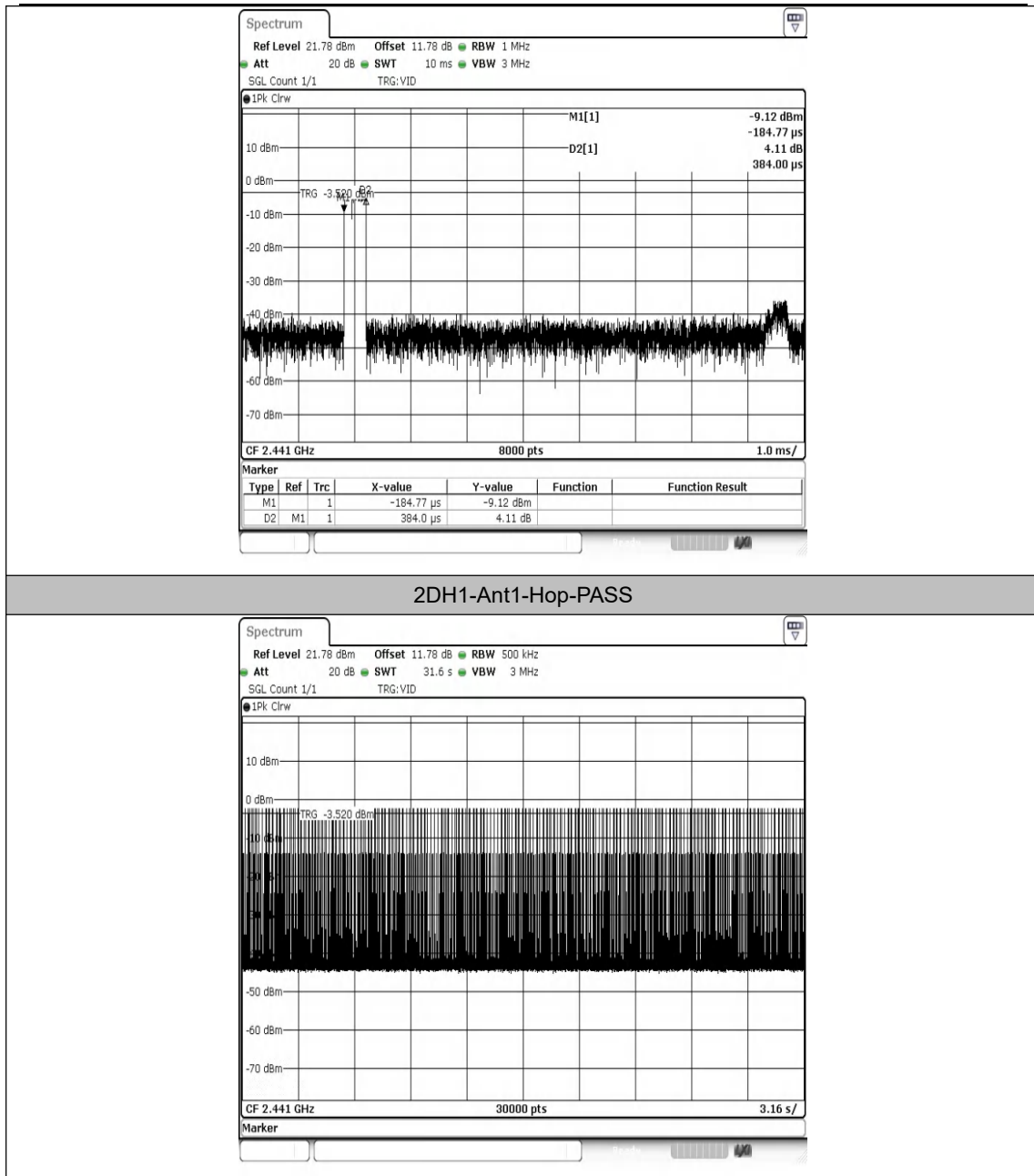


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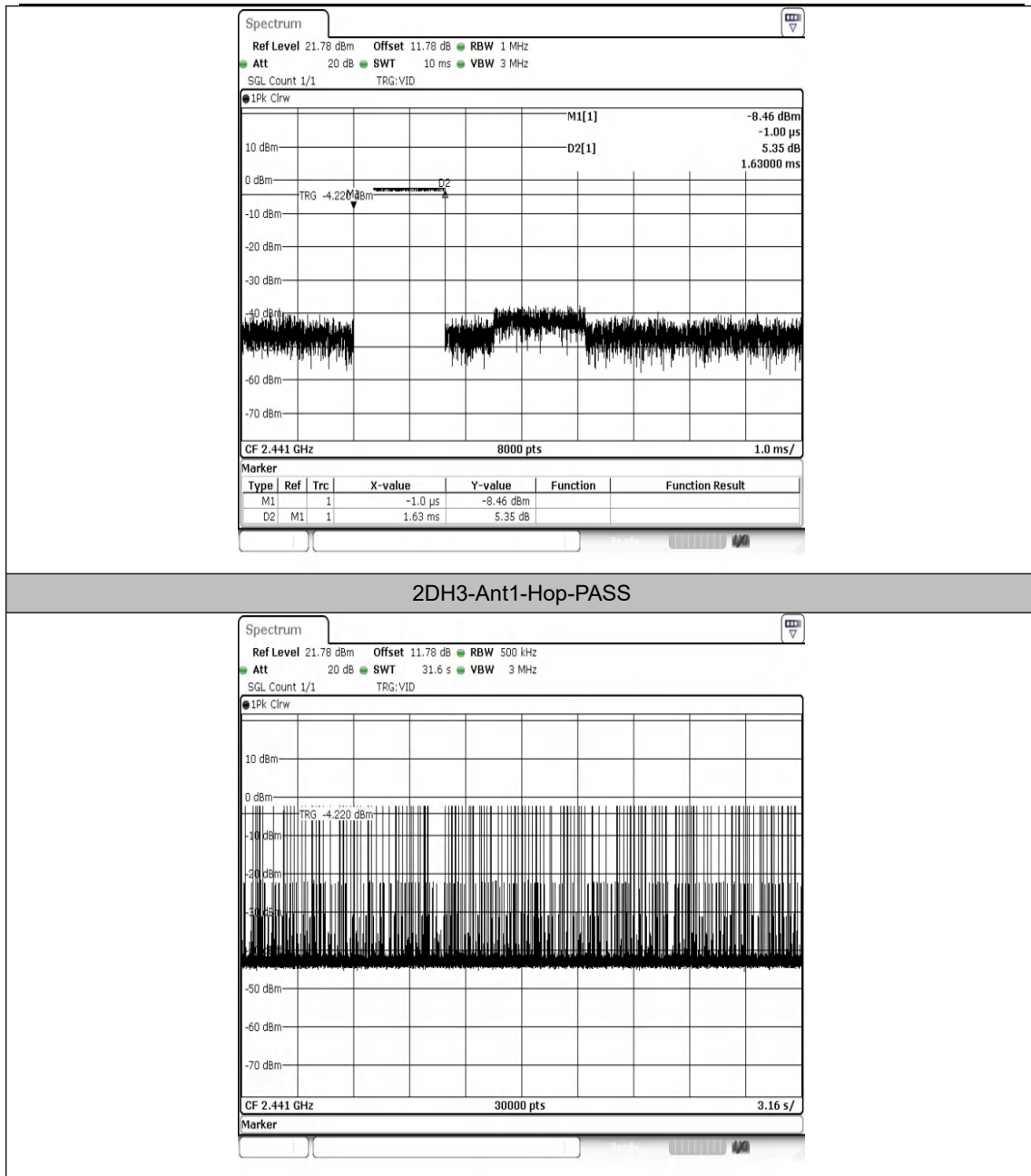


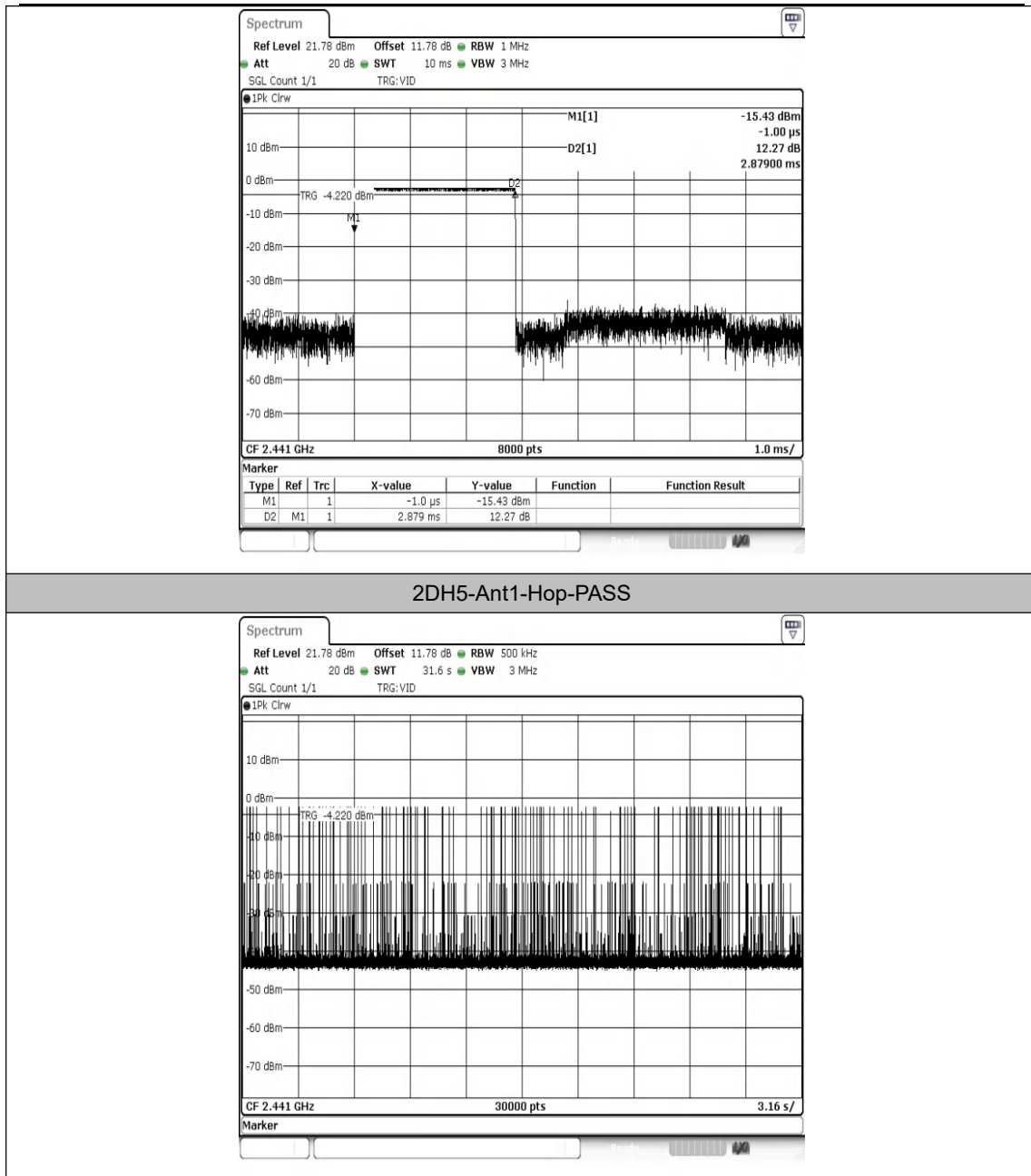
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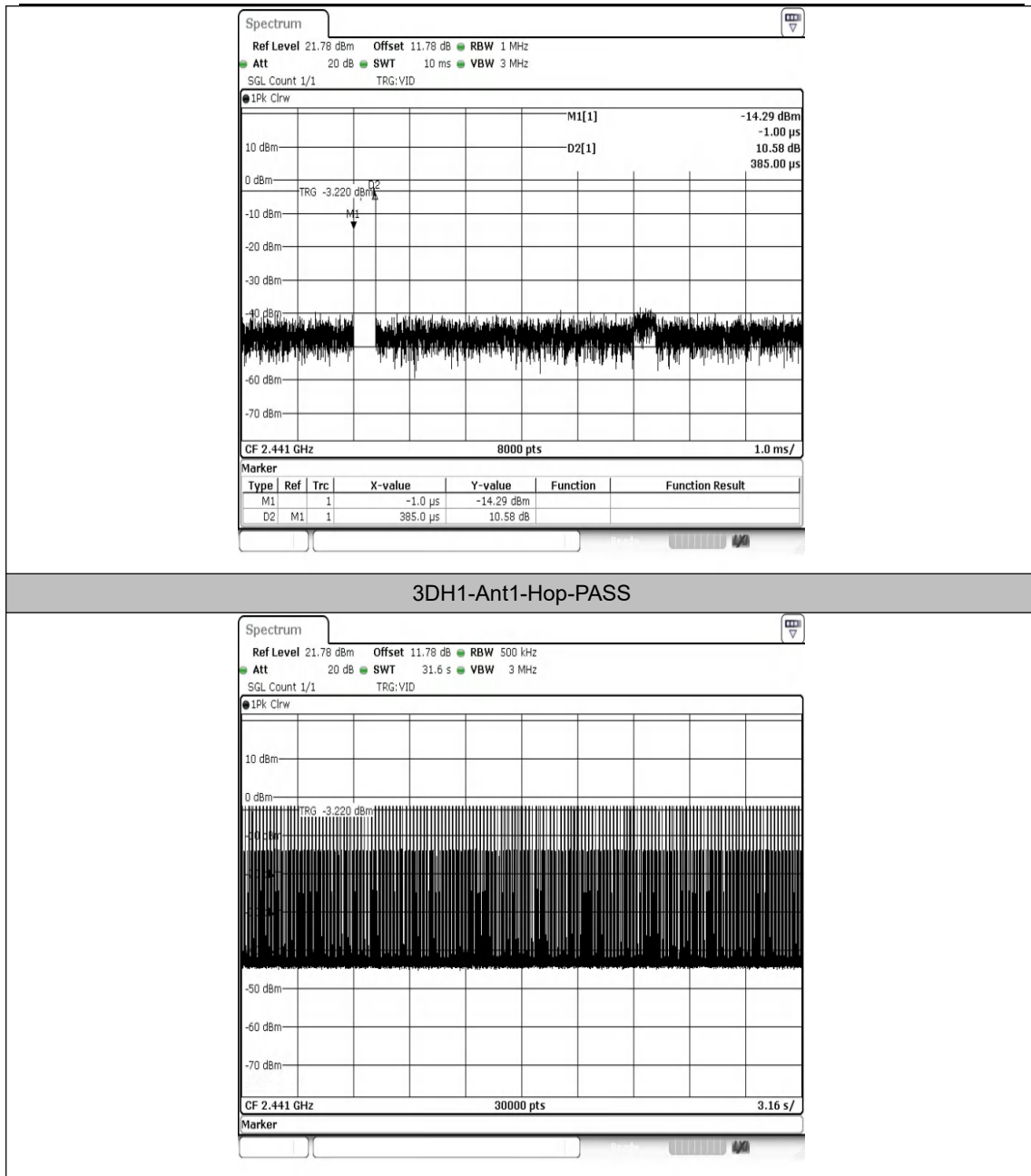


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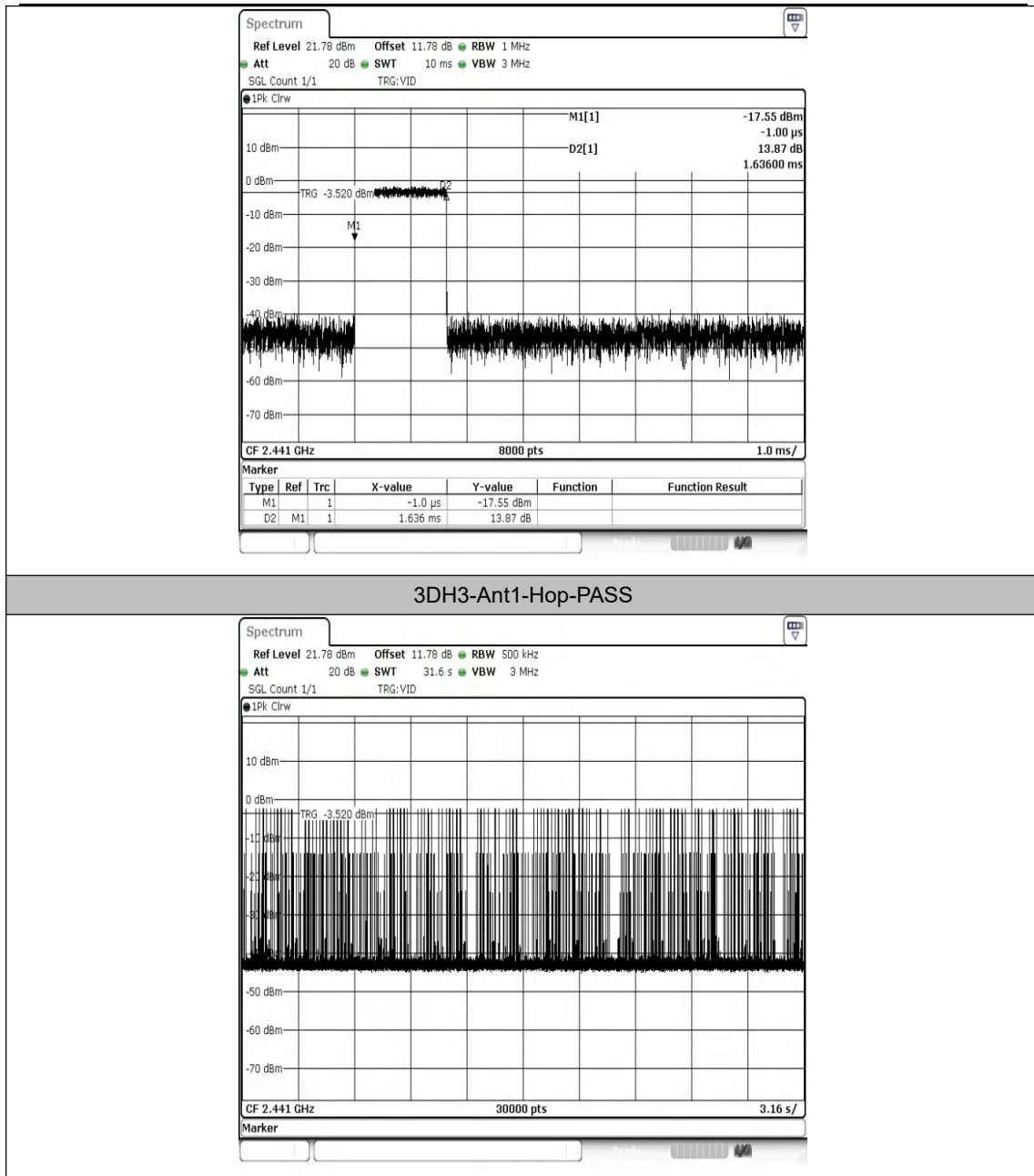
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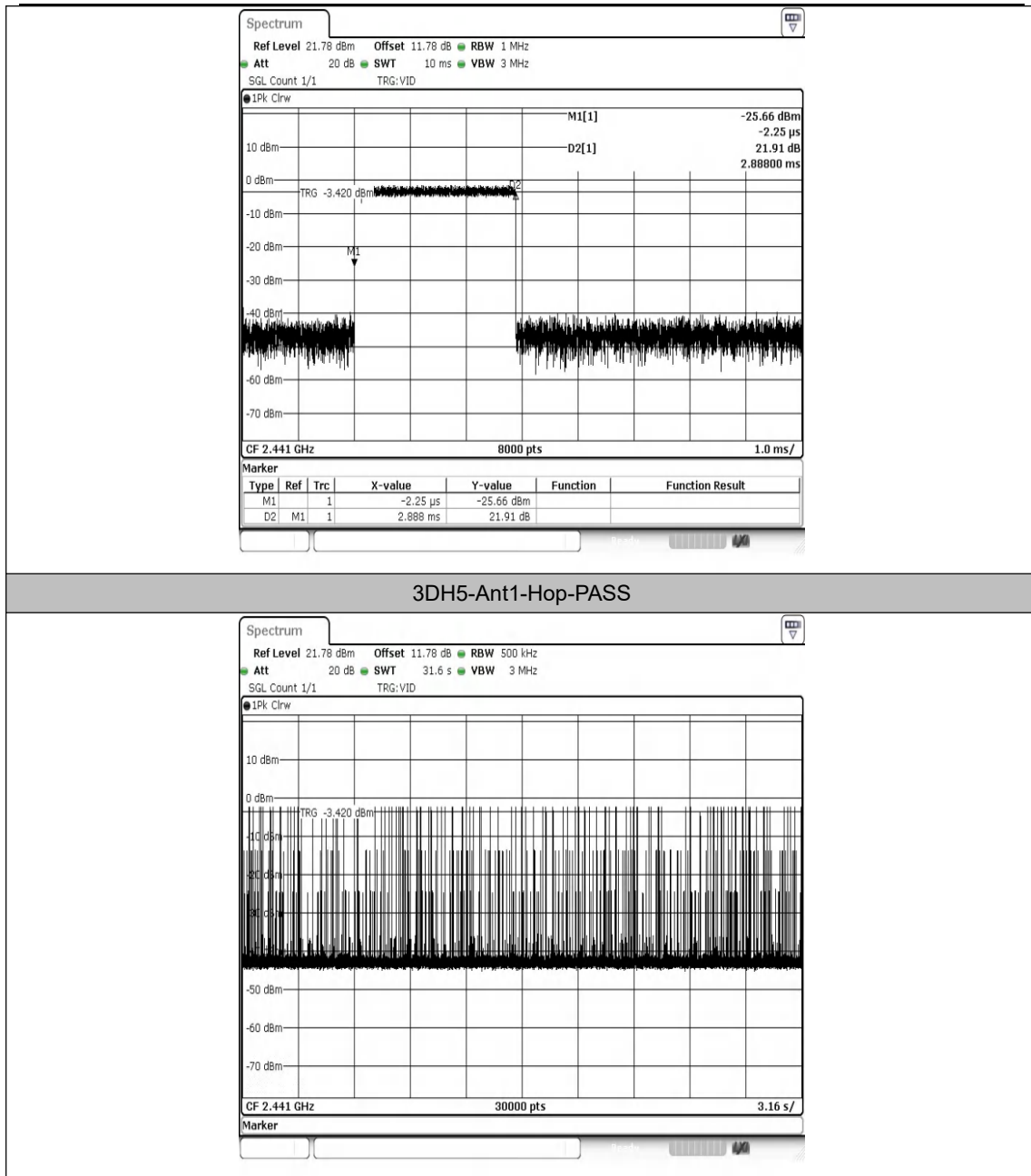


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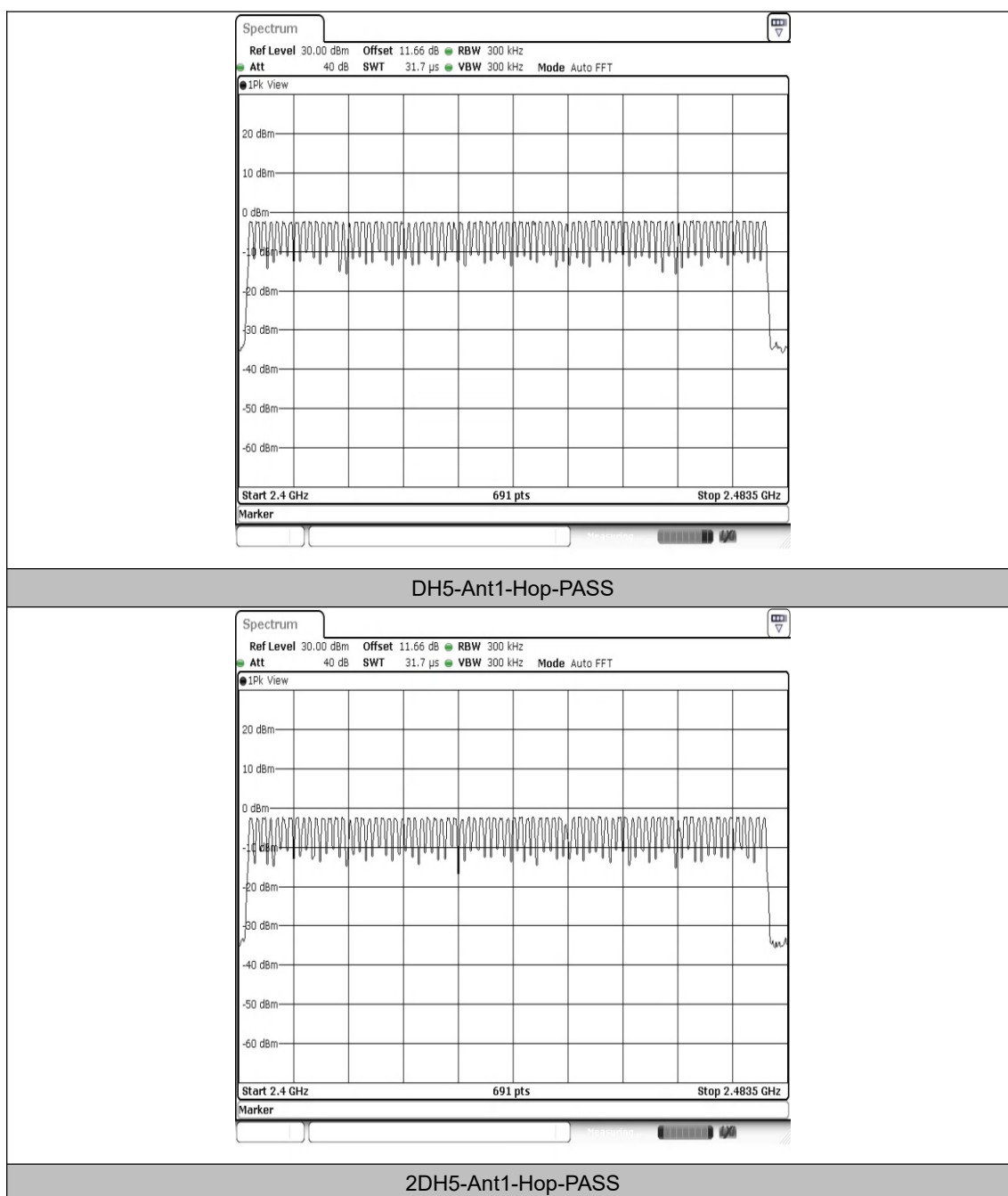


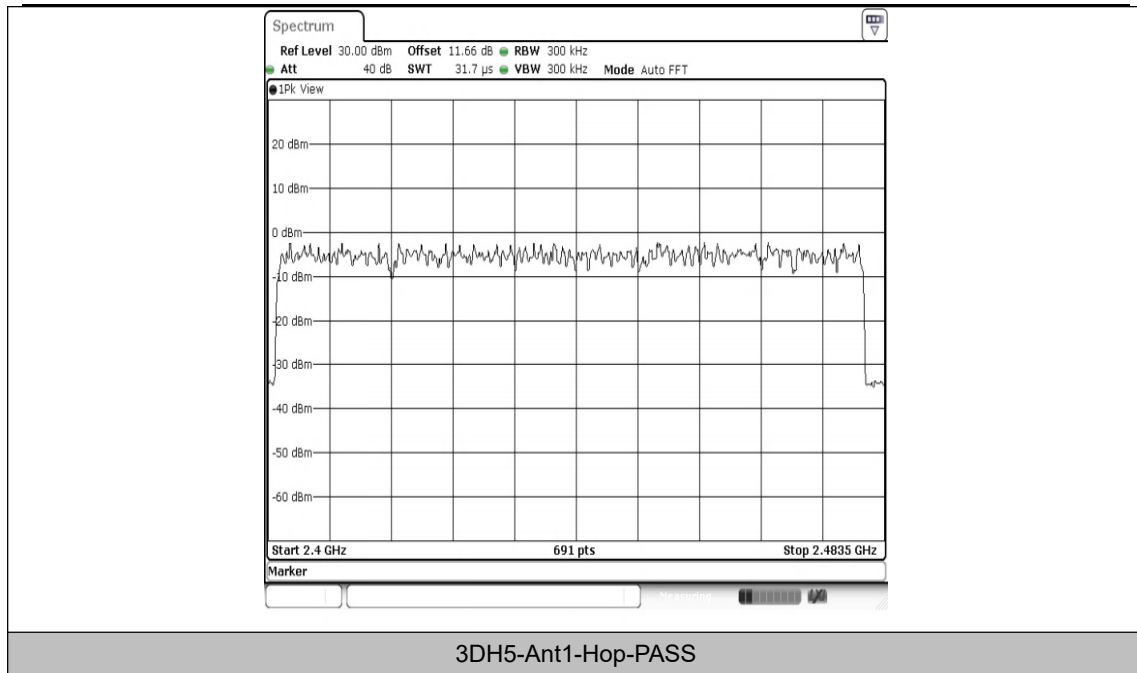
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs





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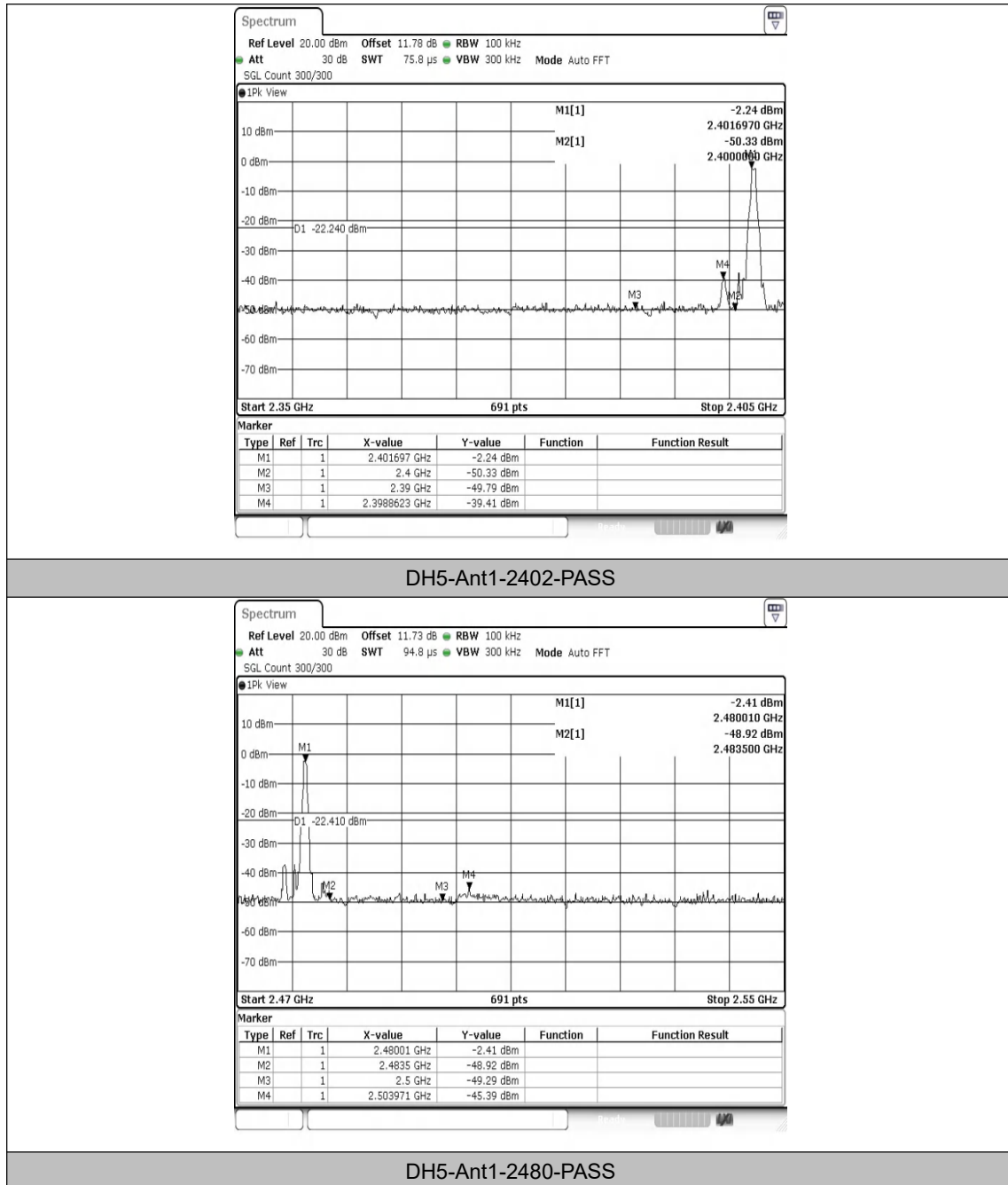
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.24	-39.41	≤-22.24	PASS
DH5	Ant1	High	2480	-2.41	-45.39	≤-22.41	PASS
DH5	Ant1	Low	Hop_2402	-3.00	-40.17	≤-23	PASS
DH5	Ant1	High	Hop_2480	-3.00	-46.27	≤-23	PASS
2DH5	Ant1	Low	2402	-2.77	-39.68	≤-22.77	PASS
2DH5	Ant1	High	2480	-2.59	-45.42	≤-22.59	PASS
2DH5	Ant1	Low	Hop_2402	-3.09	-39.92	≤-23.09	PASS
2DH5	Ant1	High	Hop_2480	-2.24	-45.49	≤-22.24	PASS
3DH5	Ant1	Low	2402	-2.69	-40.98	≤-22.69	PASS
3DH5	Ant1	High	2480	-2.40	-45.4	≤-22.4	PASS
3DH5	Ant1	Low	Hop_2402	-6.39	-44.56	≤-26.39	PASS
3DH5	Ant1	High	Hop_2480	-5.55	-45.5	≤-25.55	PASS



Test Graphs

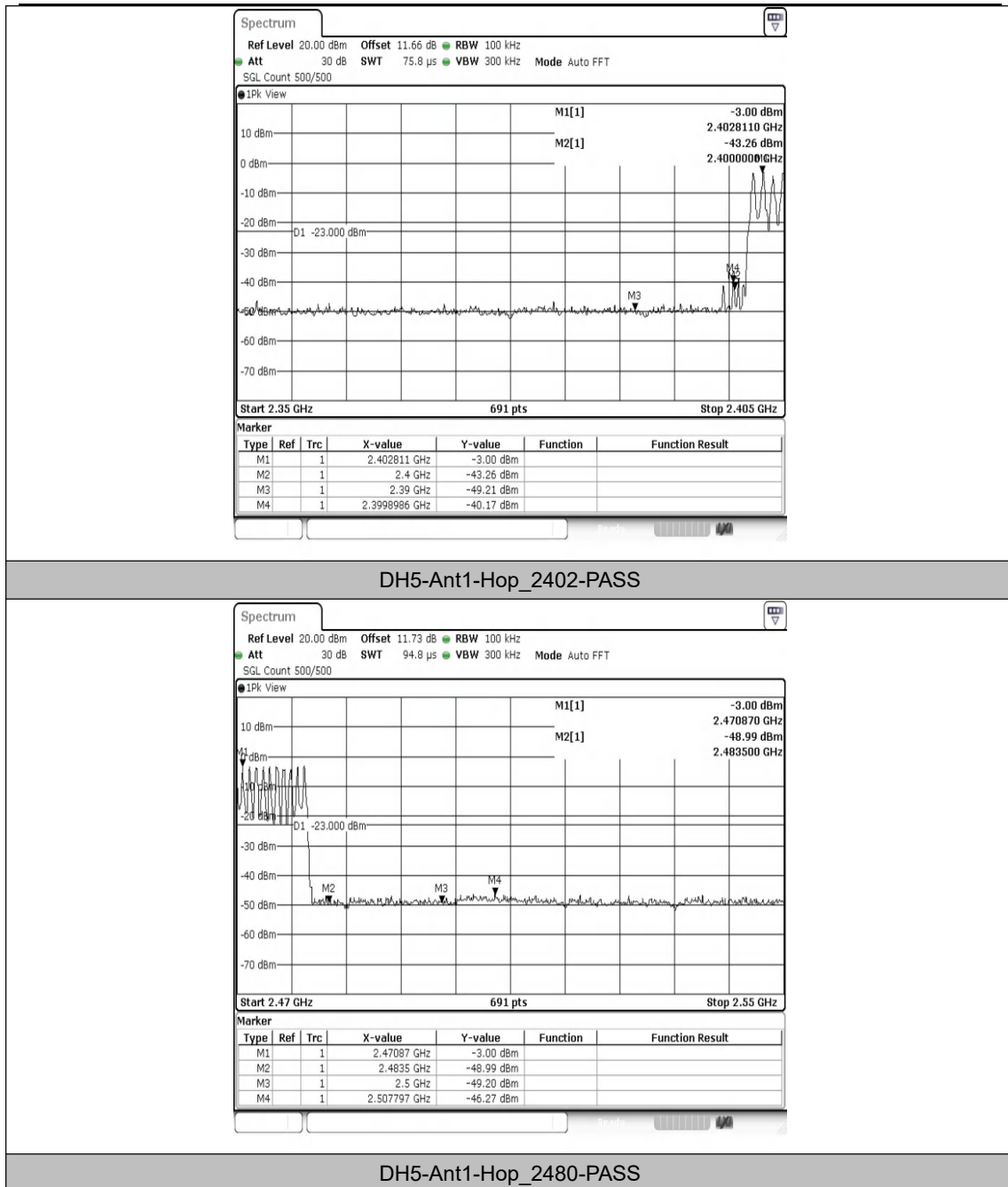


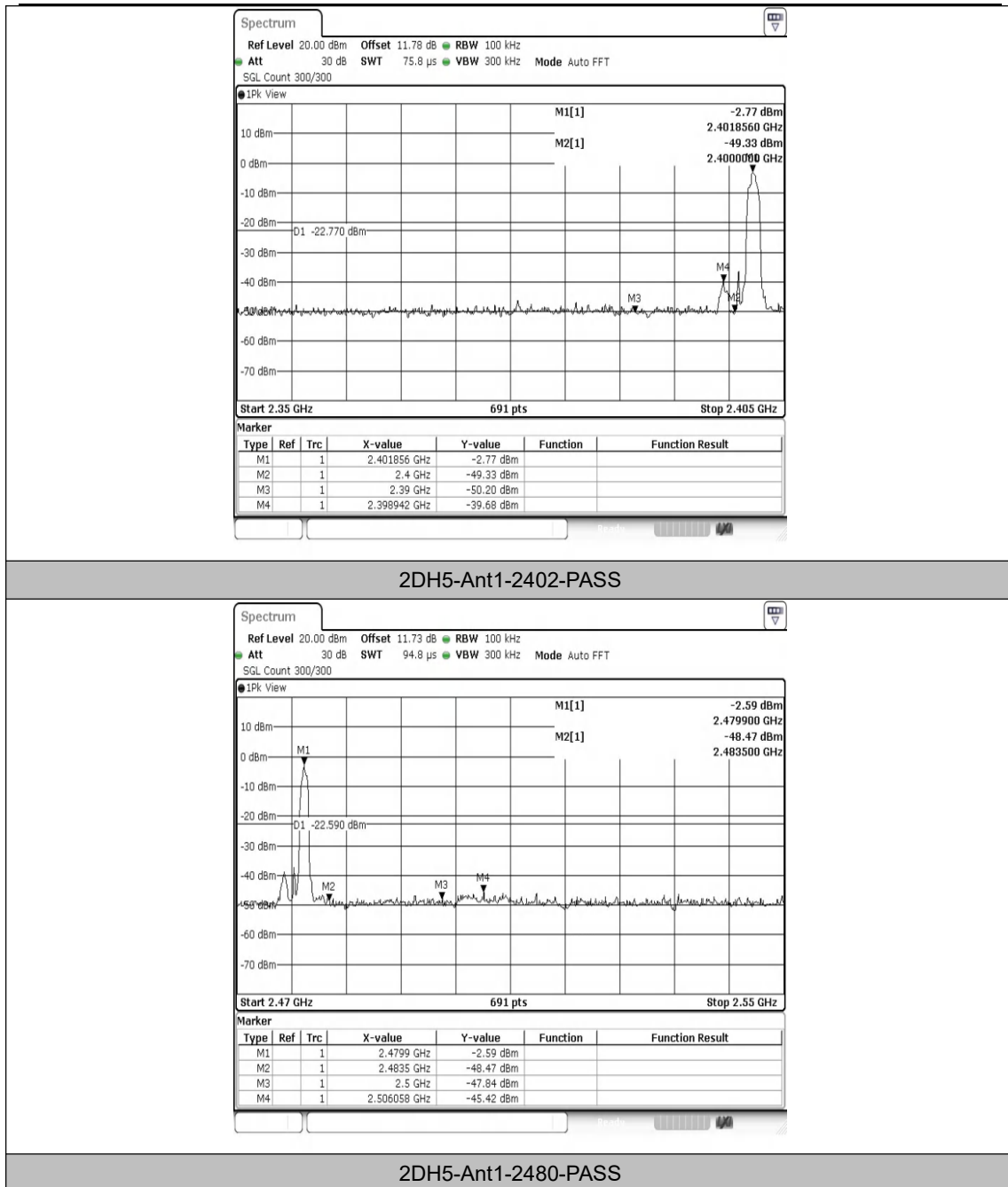
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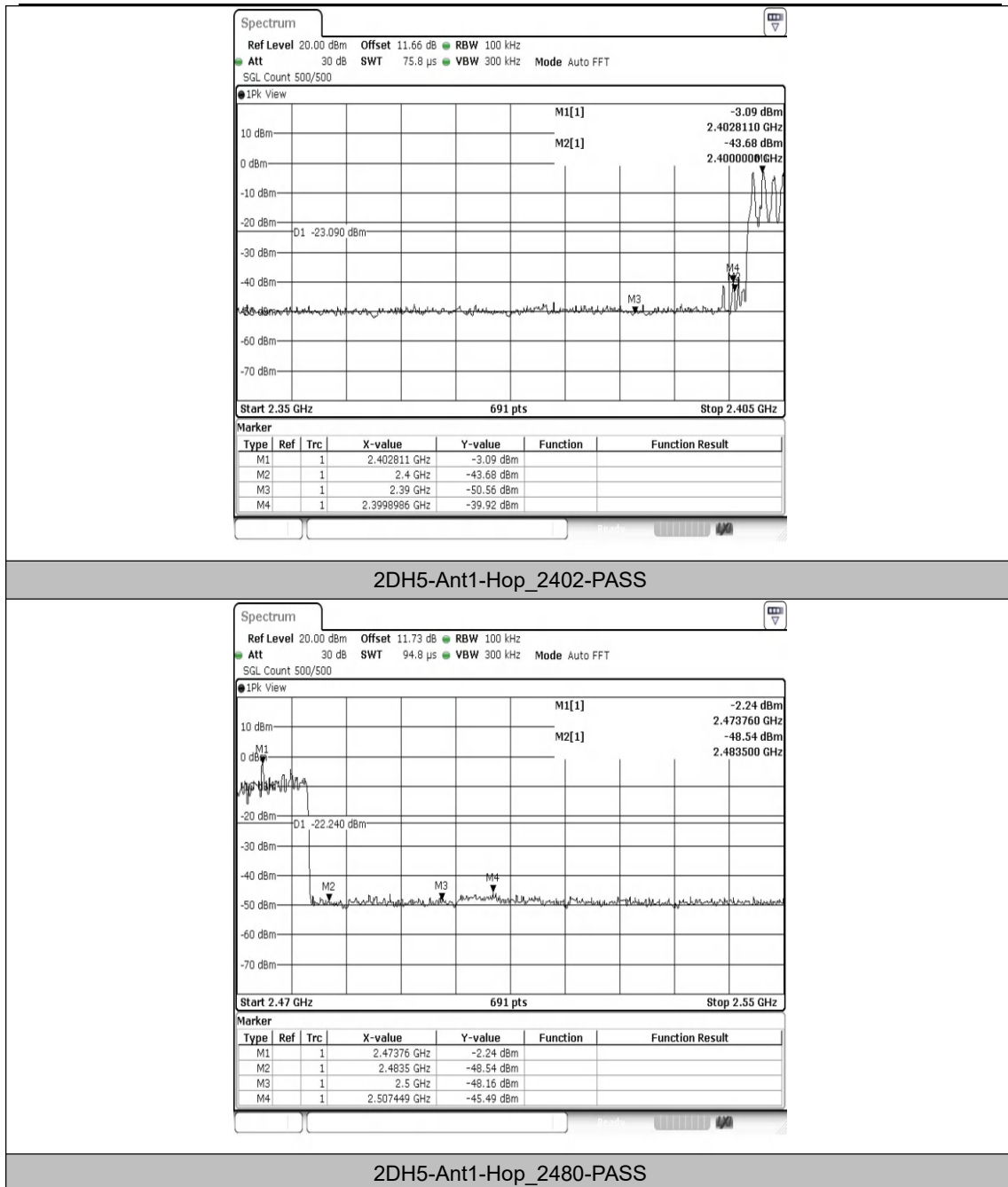
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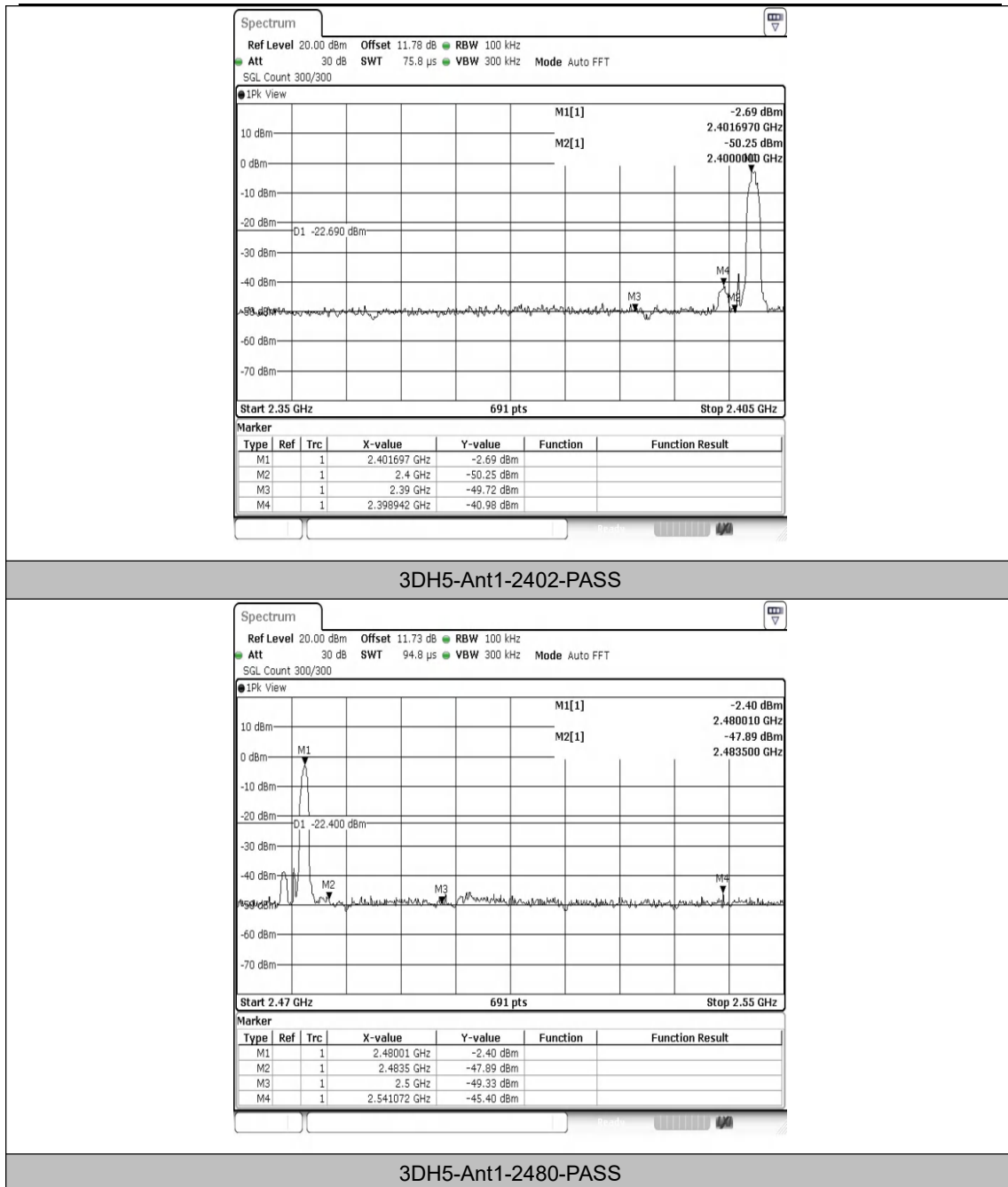
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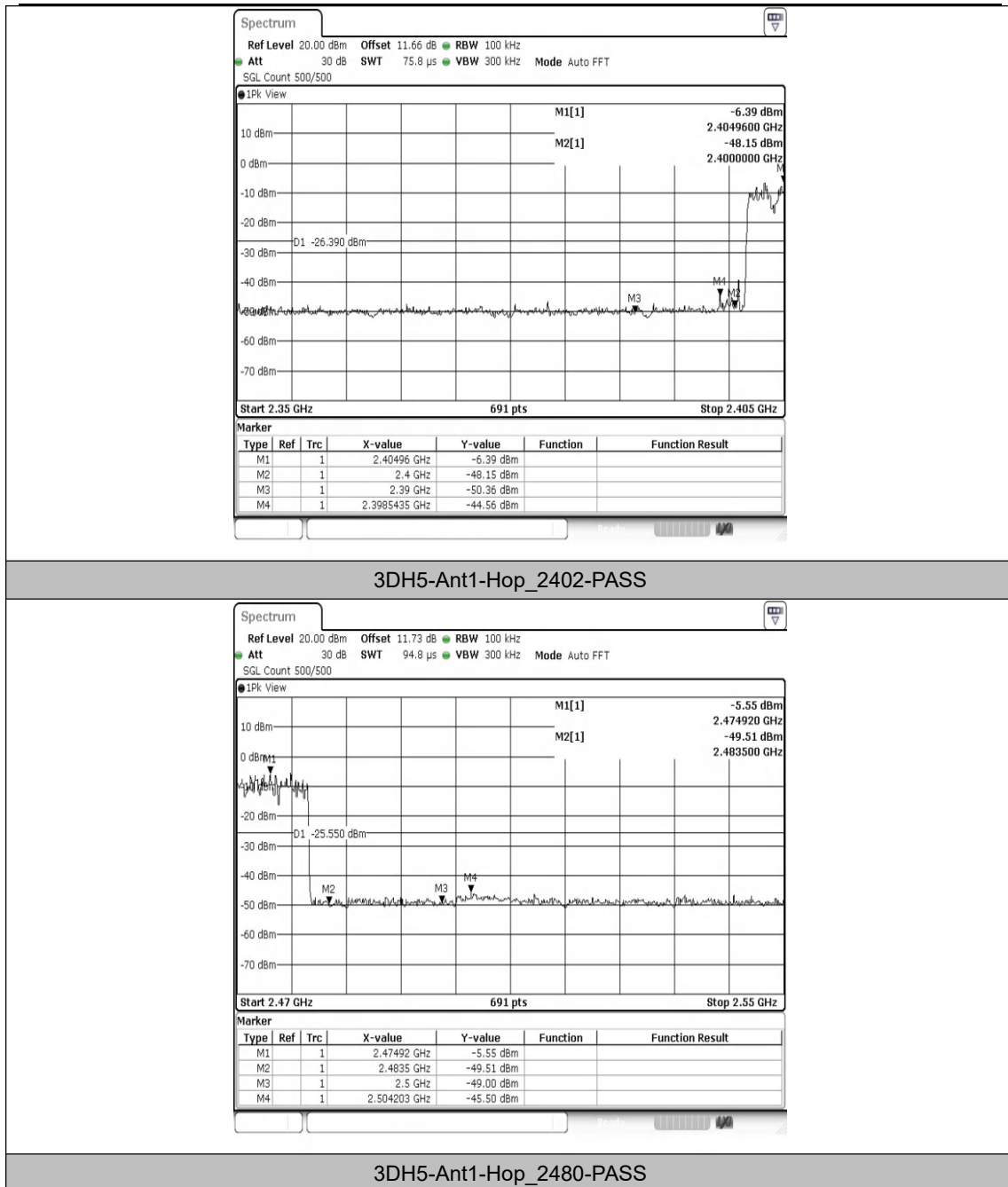












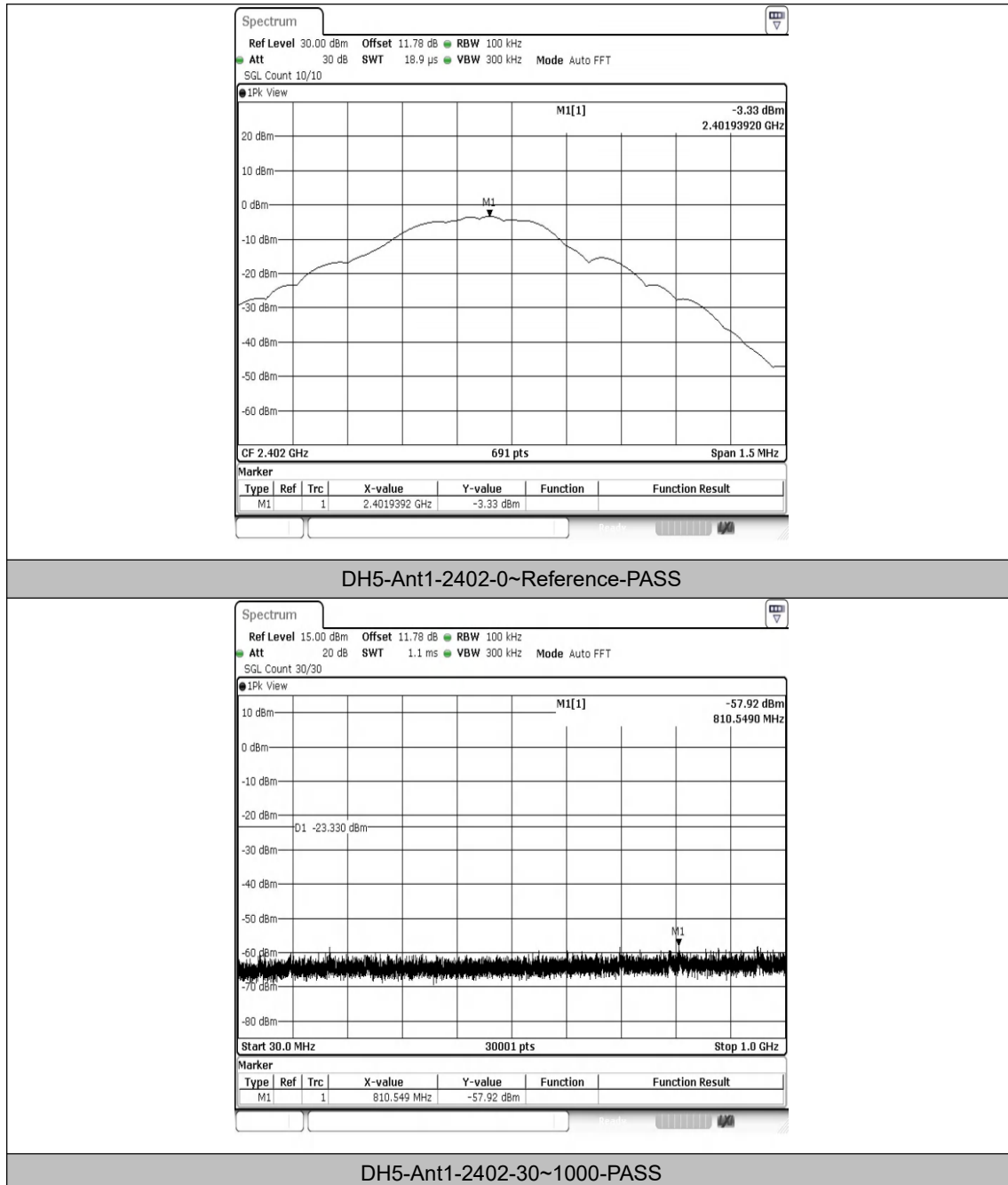
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.33	-3.33	---	PASS
DH5	Ant1	2402	30~1000	-3.33	-57.92	≤-23.33	PASS
DH5	Ant1	2402	1000~26500	-3.33	-44.04	≤-23.33	PASS
DH5	Ant1	2441	0~Reference	-3.72	-3.72	---	PASS
DH5	Ant1	2441	30~1000	-3.72	-57.29	≤-23.72	PASS
DH5	Ant1	2441	1000~26500	-3.72	-44.33	≤-23.72	PASS
DH5	Ant1	2480	0~Reference	-3.07	-3.07	---	PASS
DH5	Ant1	2480	30~1000	-3.07	-58.72	≤-23.07	PASS
DH5	Ant1	2480	1000~26500	-3.07	-44.3	≤-23.07	PASS
2DH5	Ant1	2402	0~Reference	-5.14	-5.14	---	PASS
2DH5	Ant1	2402	30~1000	-5.14	-57.57	≤-25.14	PASS
2DH5	Ant1	2402	1000~26500	-5.14	-43.4	≤-25.14	PASS
2DH5	Ant1	2441	0~Reference	-6.96	-6.96	---	PASS
2DH5	Ant1	2441	30~1000	-6.96	-58.65	≤-26.96	PASS
2DH5	Ant1	2441	1000~26500	-6.96	-43.98	≤-26.96	PASS
2DH5	Ant1	2480	0~Reference	-4.42	-4.42	---	PASS
2DH5	Ant1	2480	30~1000	-4.42	-57.85	≤-24.42	PASS
2DH5	Ant1	2480	1000~26500	-4.42	-43.88	≤-24.42	PASS
3DH5	Ant1	2402	0~Reference	-8.23	-8.23	---	PASS
3DH5	Ant1	2402	30~1000	-8.23	-58.89	≤-28.23	PASS
3DH5	Ant1	2402	1000~26500	-8.23	-43.15	≤-28.23	PASS
3DH5	Ant1	2441	0~Reference	-6.30	-6.30	---	PASS
3DH5	Ant1	2441	30~1000	-6.30	-57.92	≤-26.3	PASS
3DH5	Ant1	2441	1000~26500	-6.30	-44.33	≤-26.3	PASS
3DH5	Ant1	2480	0~Reference	-5.80	-5.80	---	PASS
3DH5	Ant1	2480	30~1000	-5.80	-57.26	≤-25.8	PASS
3DH5	Ant1	2480	1000~26500	-5.80	-43.73	≤-25.8	PASS



Test Graphs

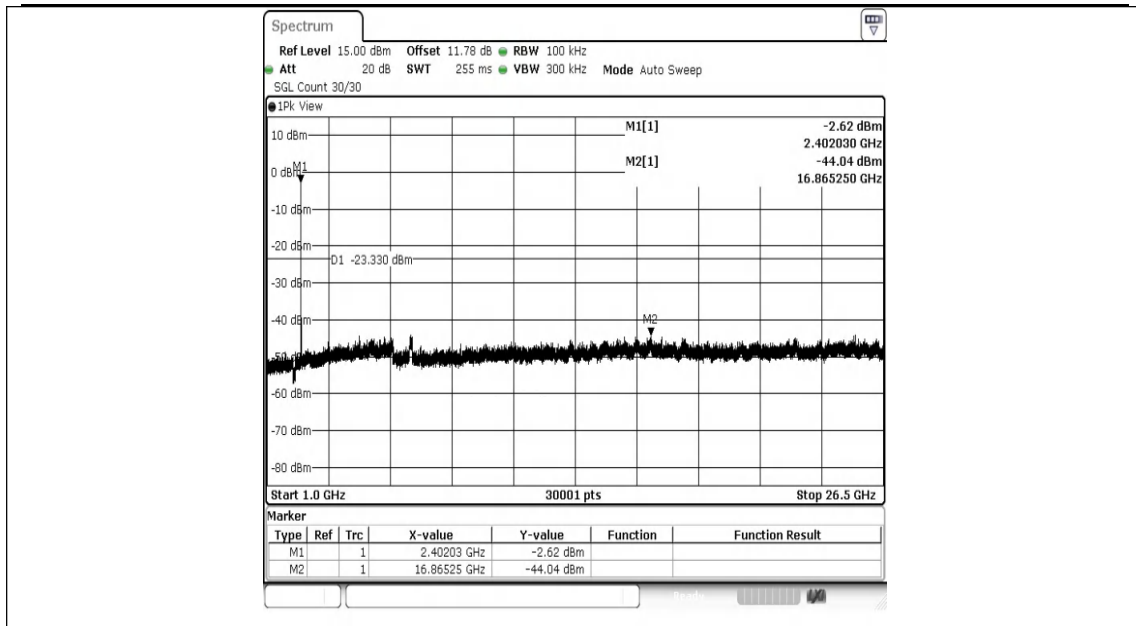


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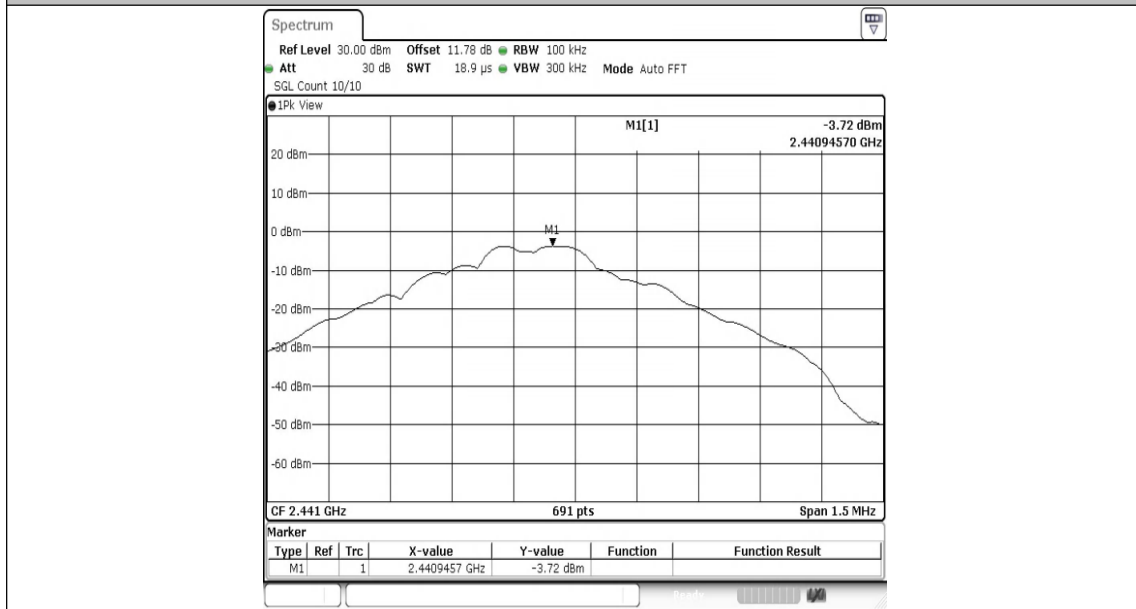
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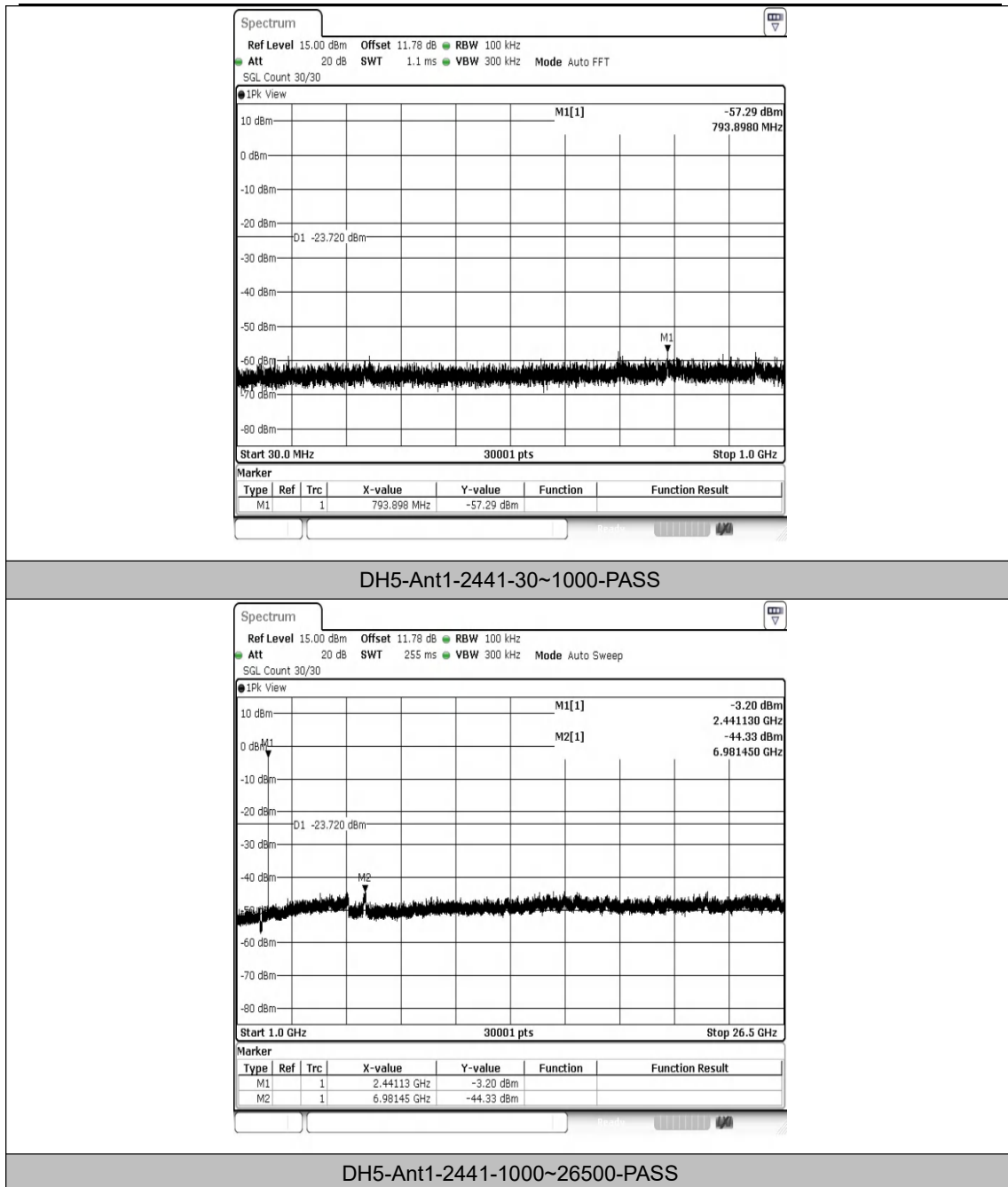


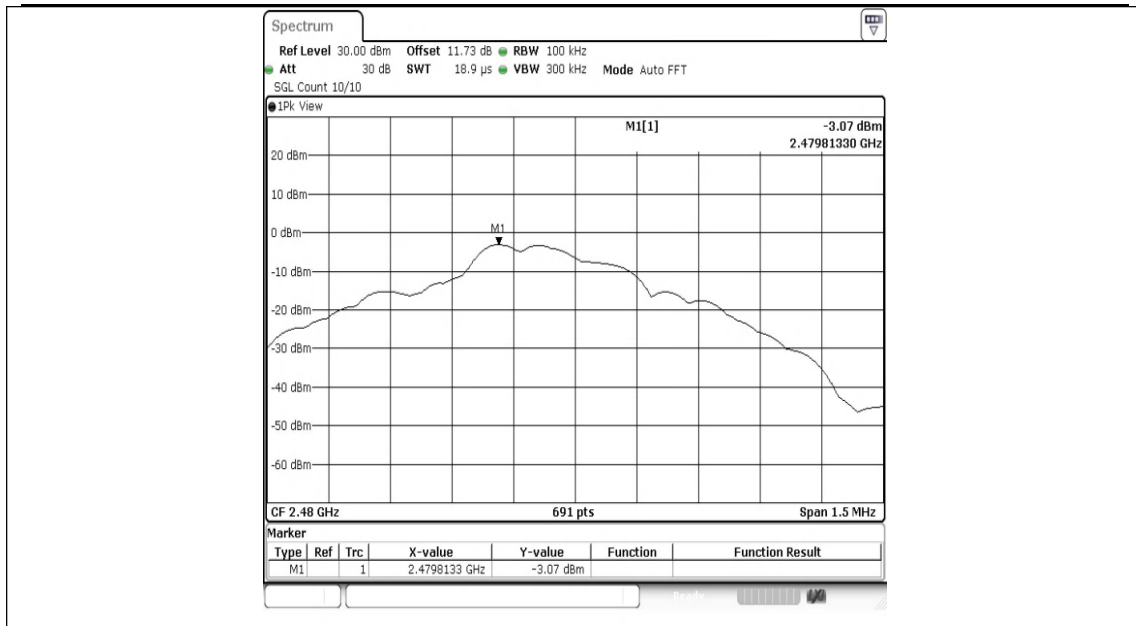
DH5-Ant1-2402-1000~26500-PASS



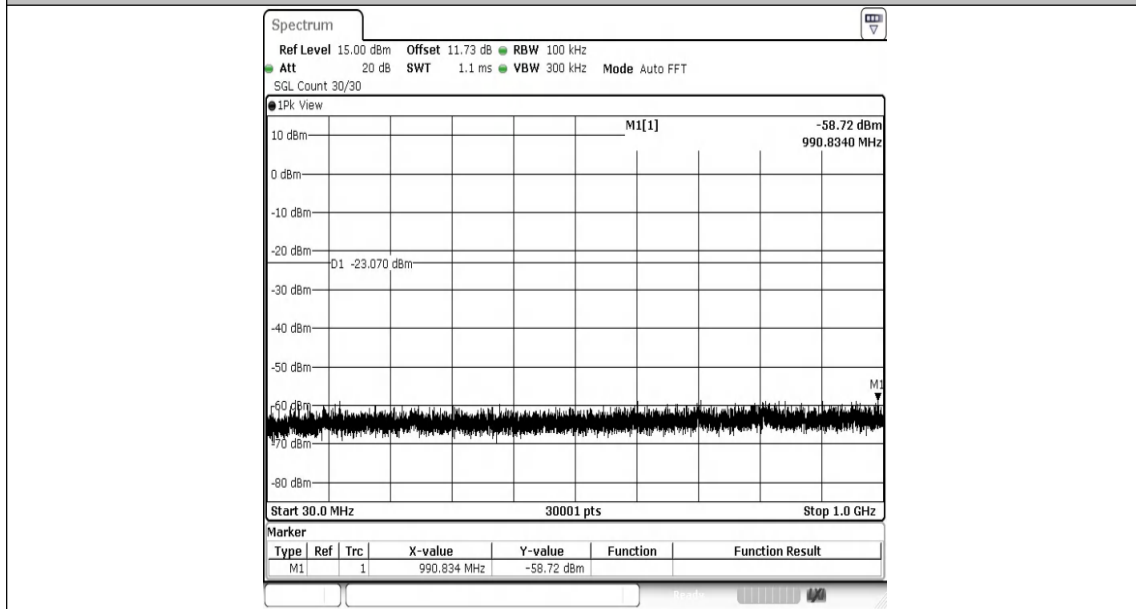
DH5-Ant1-2441-0~Reference-PASS





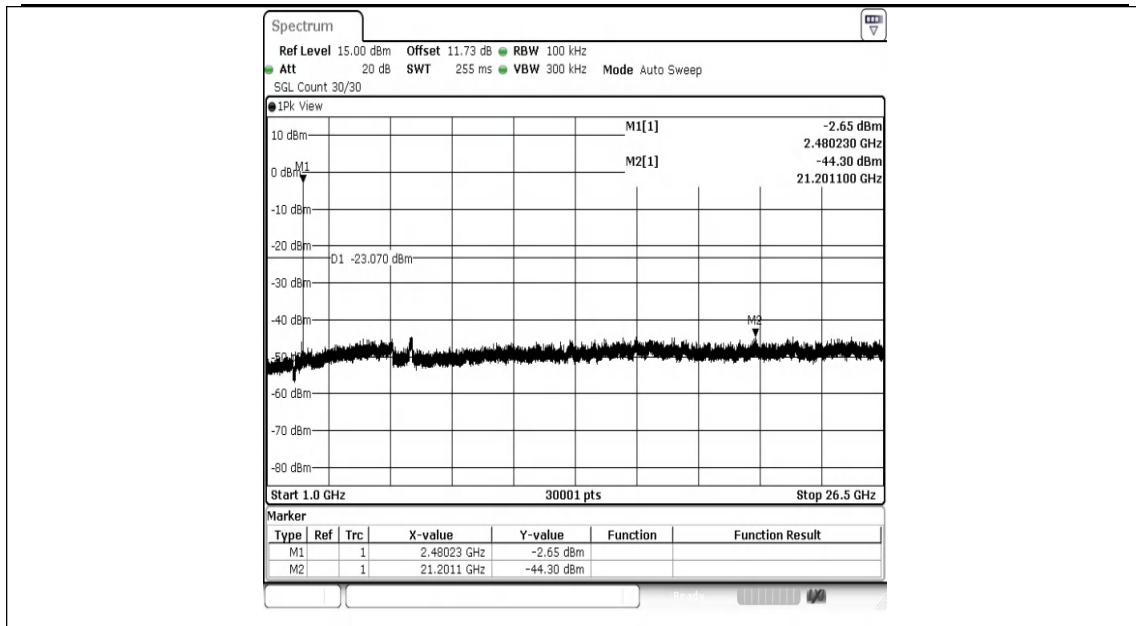


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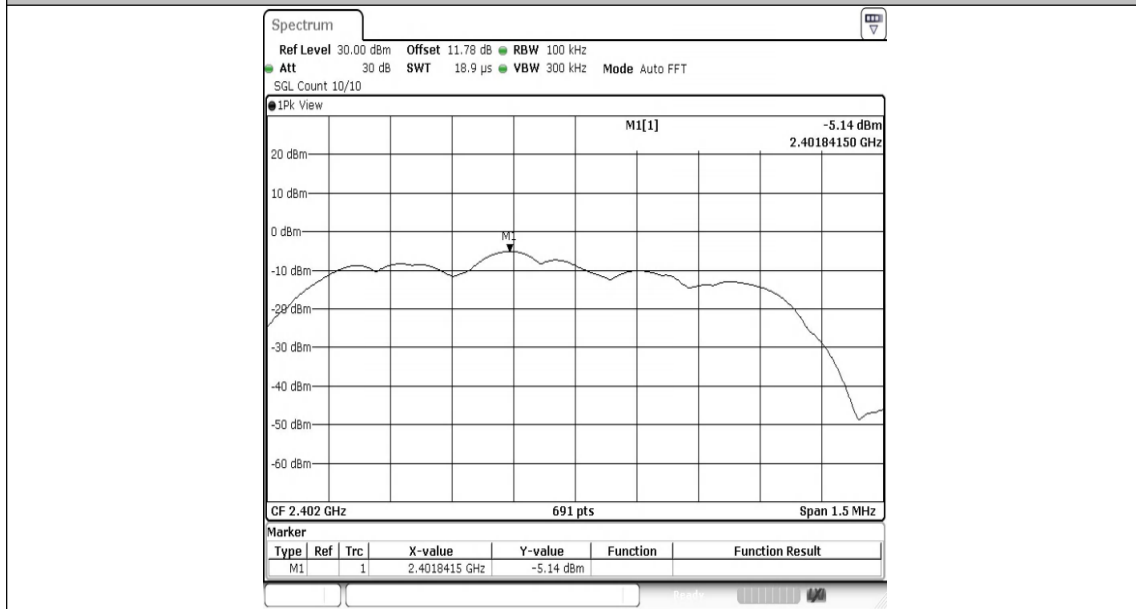


DH5-Ant1-2480-30~1000-PASS



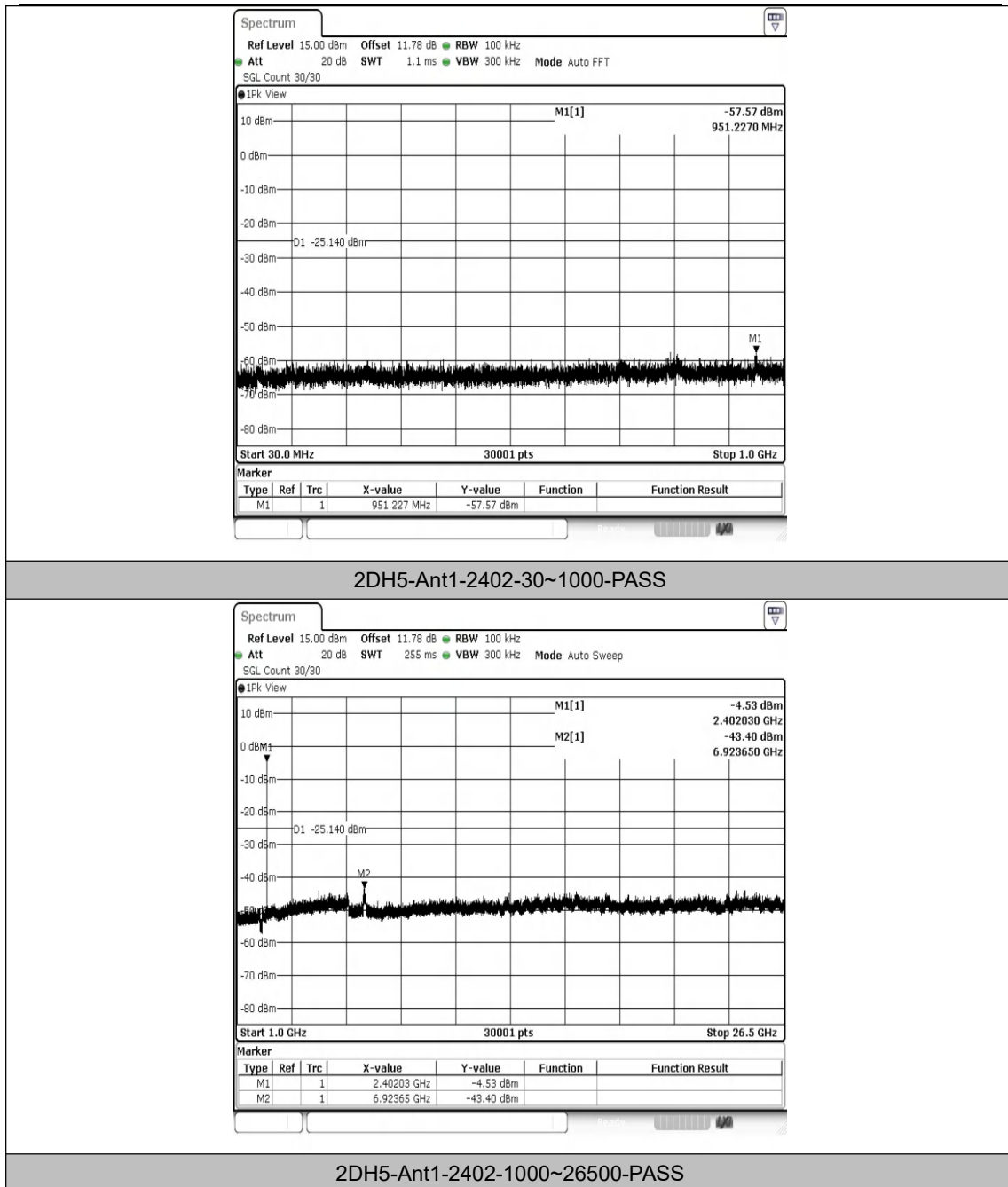


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2DH5-Ant1-2402-0~Reference-PASS



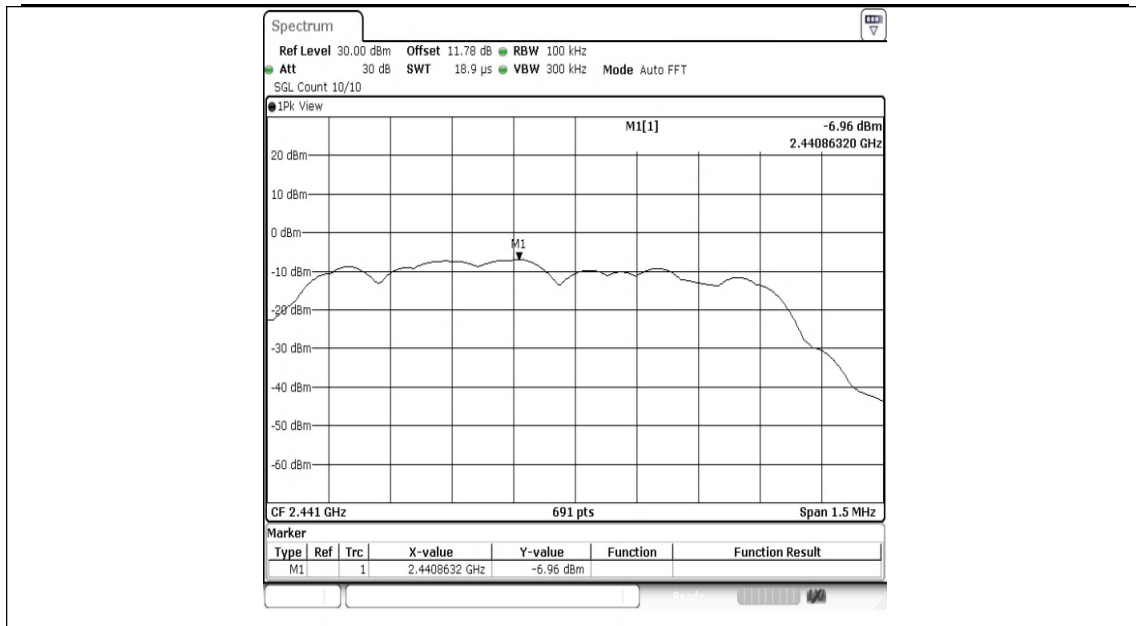


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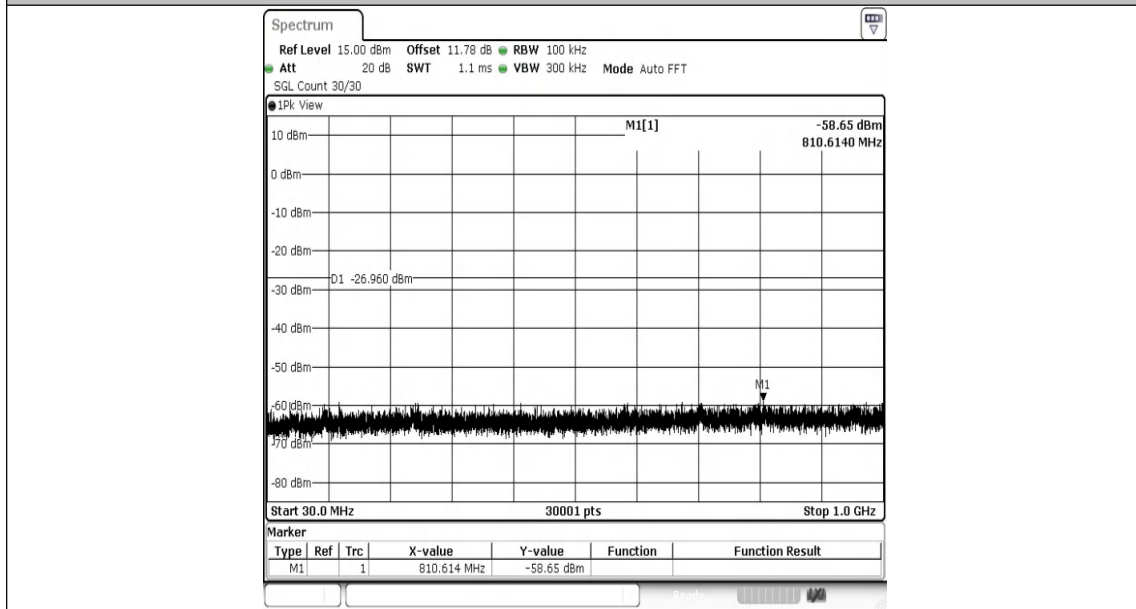
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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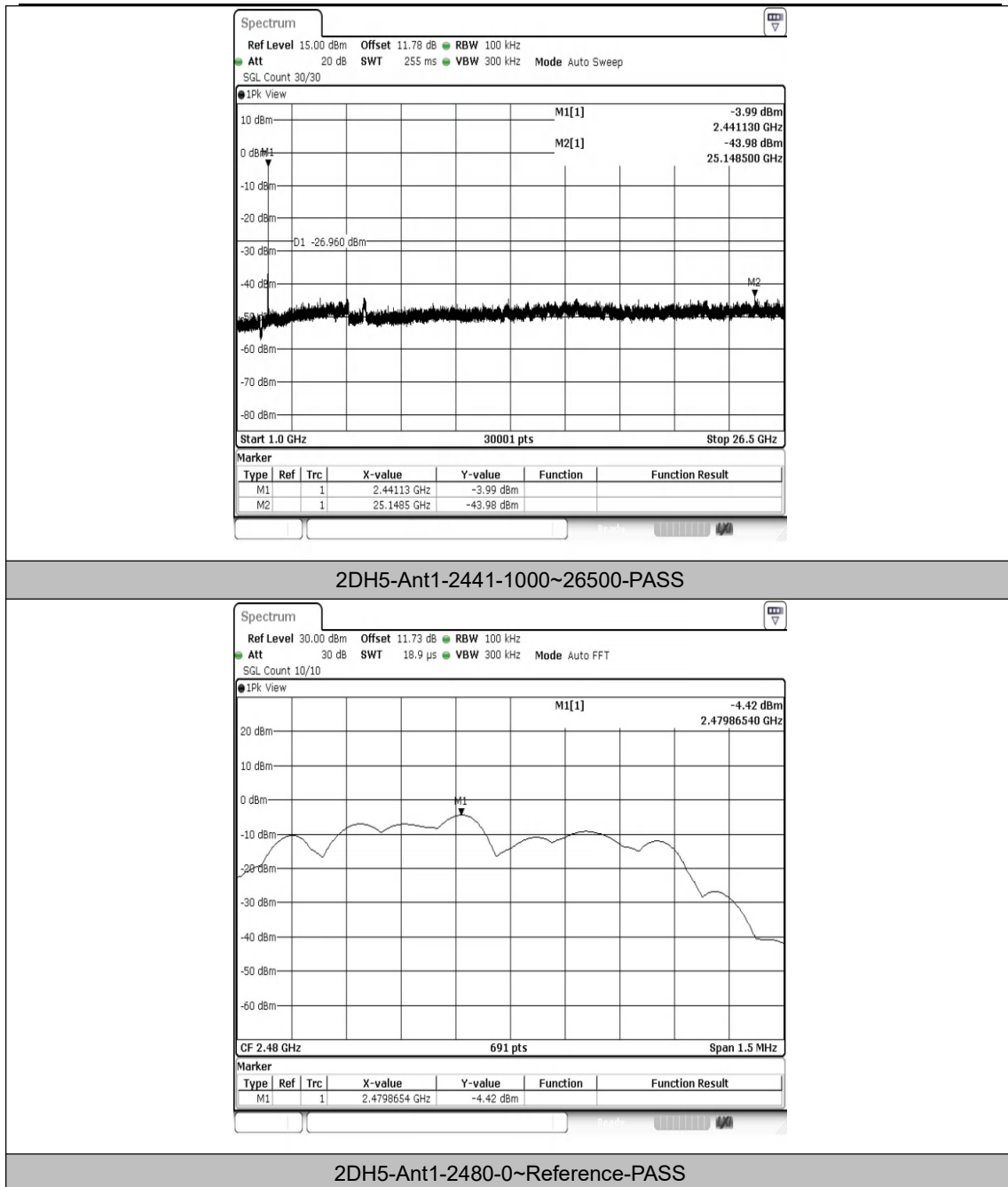


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2DH5-Ant1-2441-30~1000-PASS



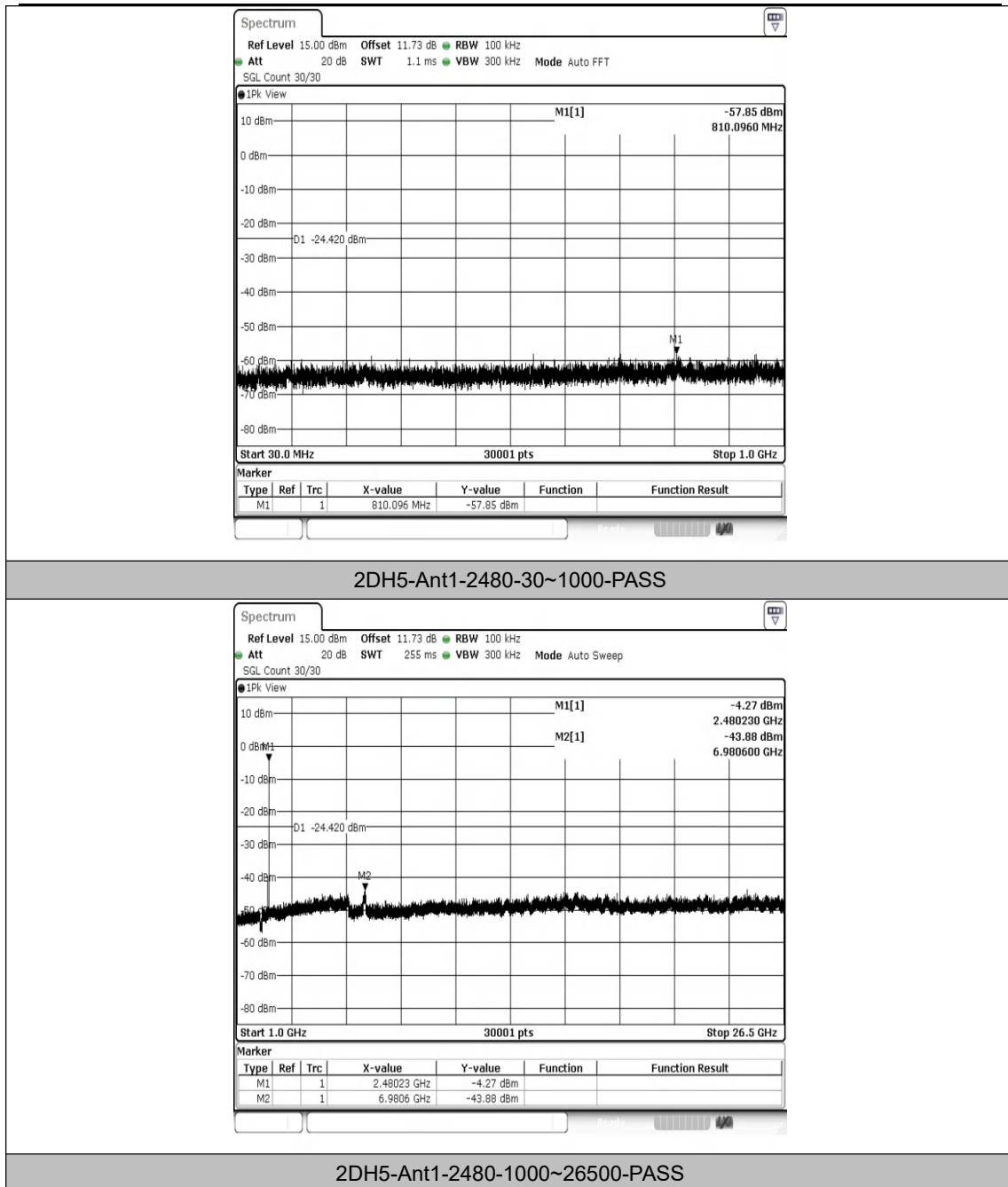


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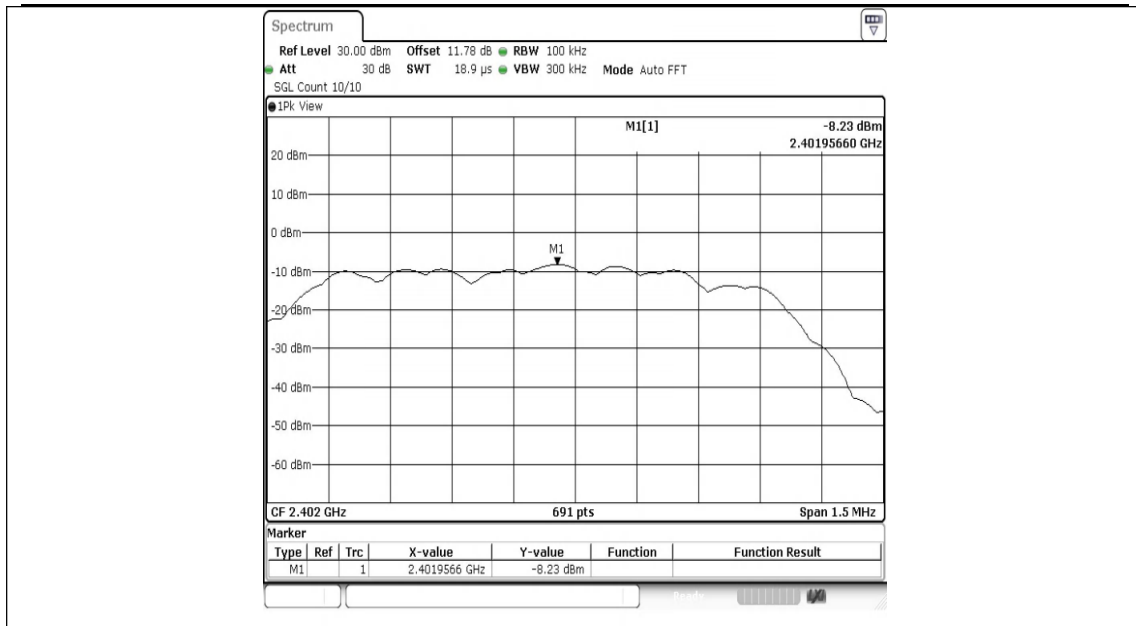


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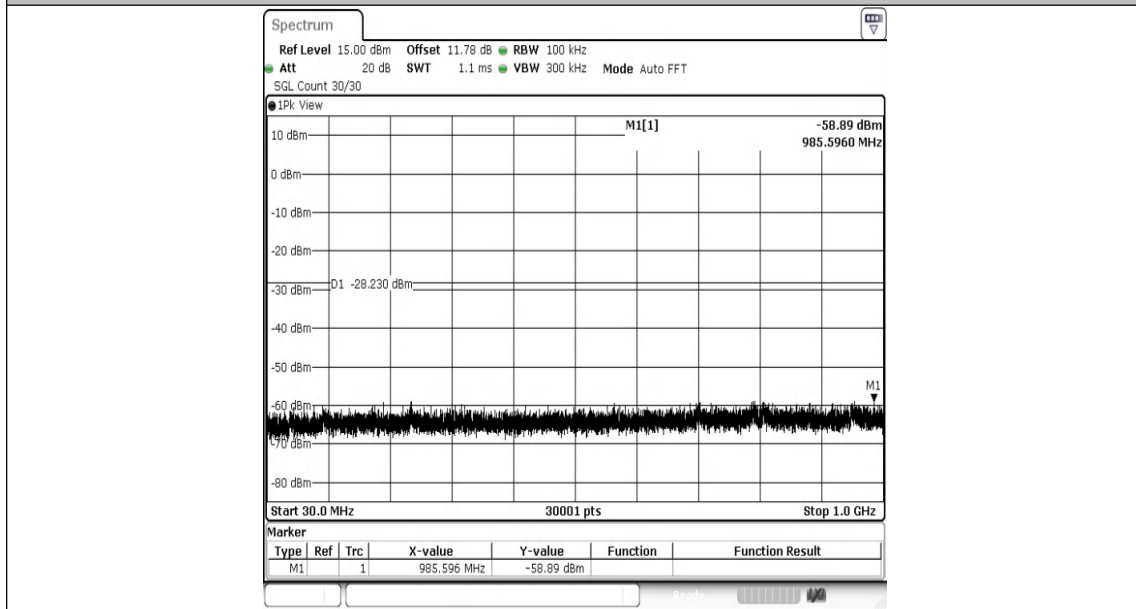
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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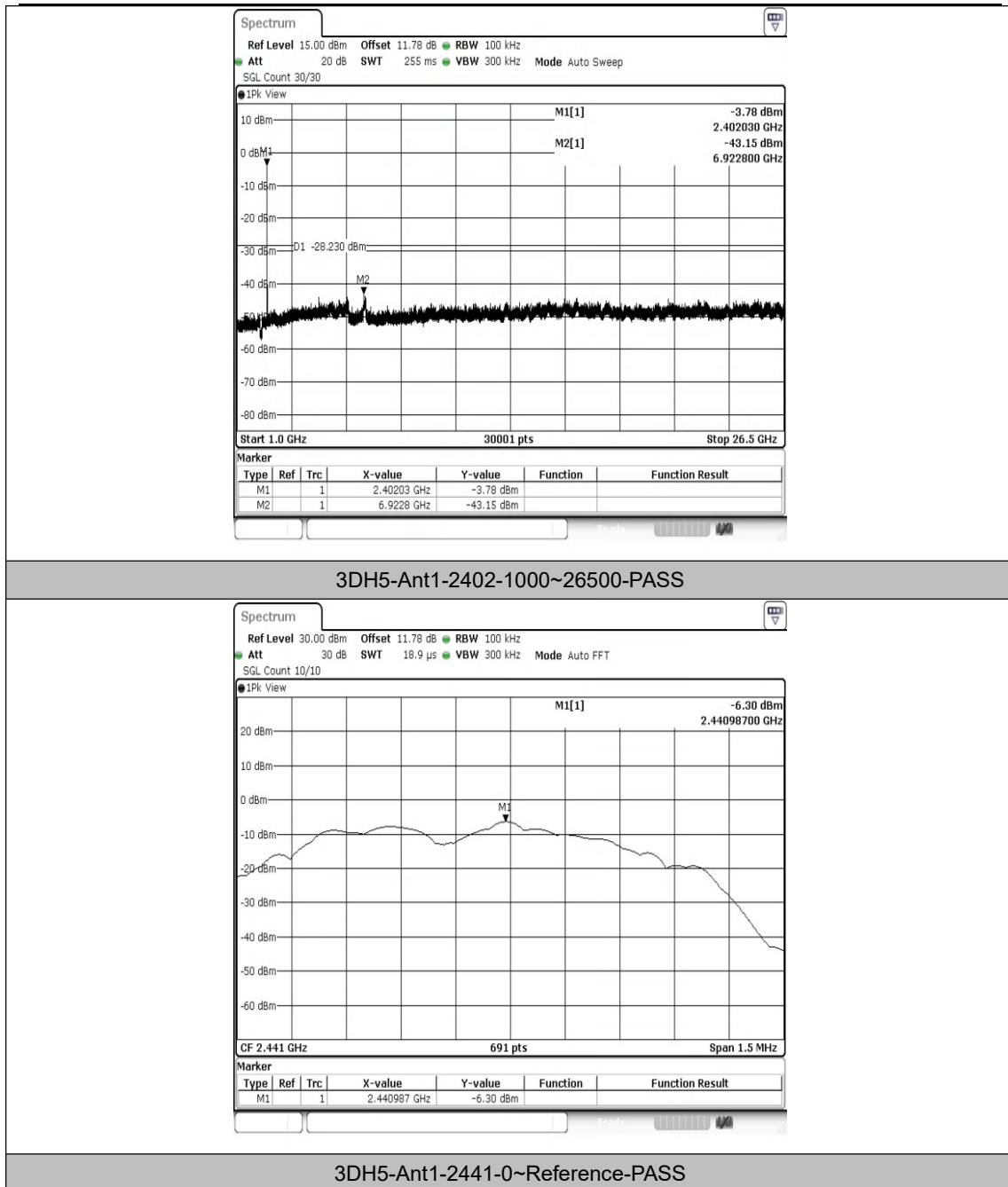


3DH5-Ant1-2402-0~Reference-PASS



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



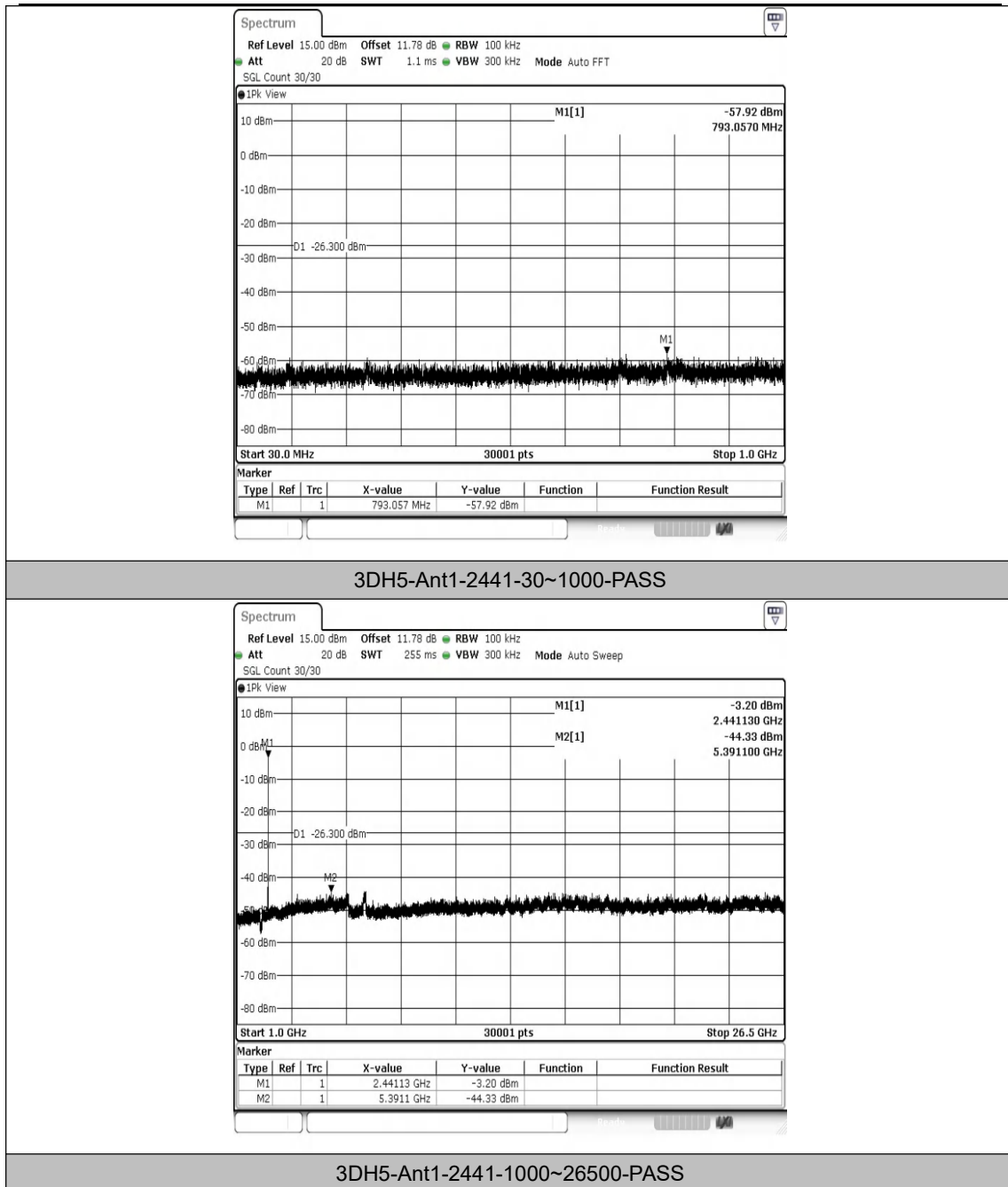


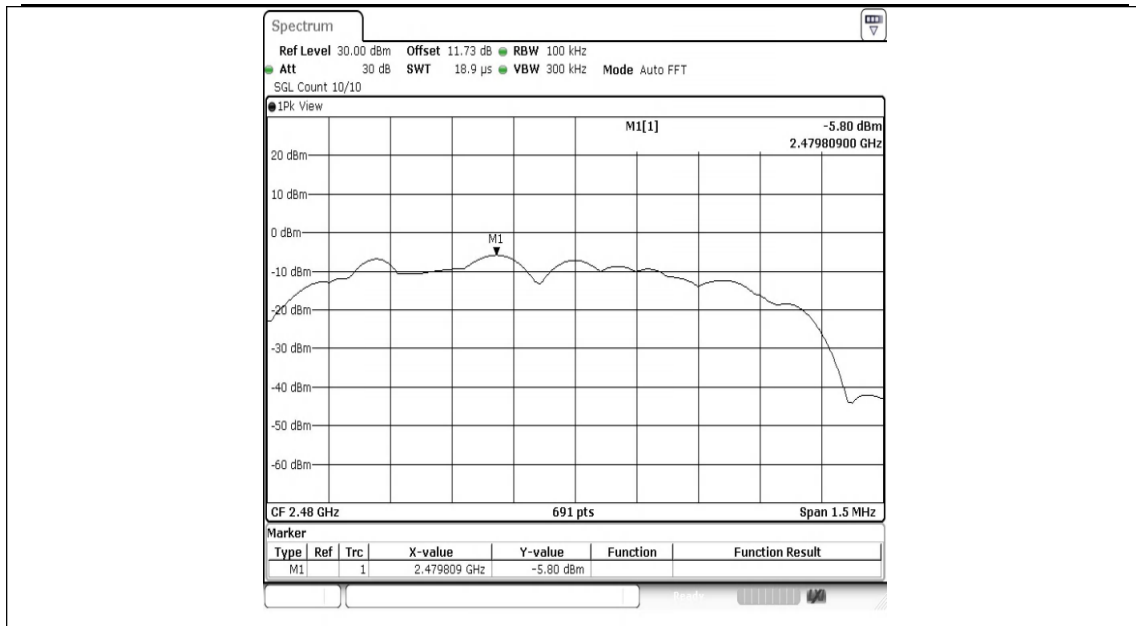
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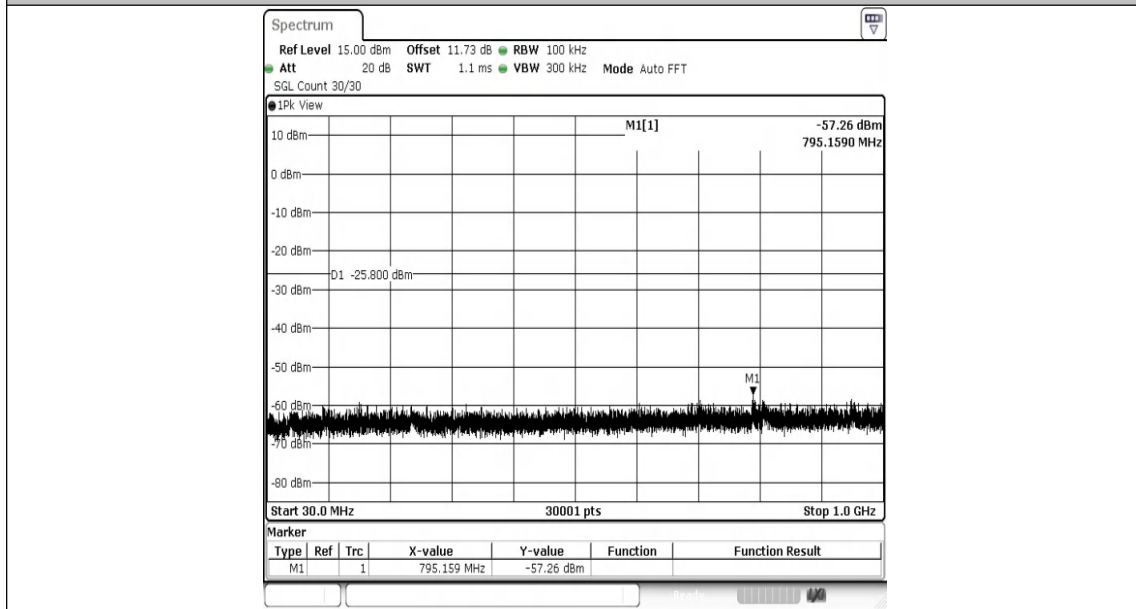
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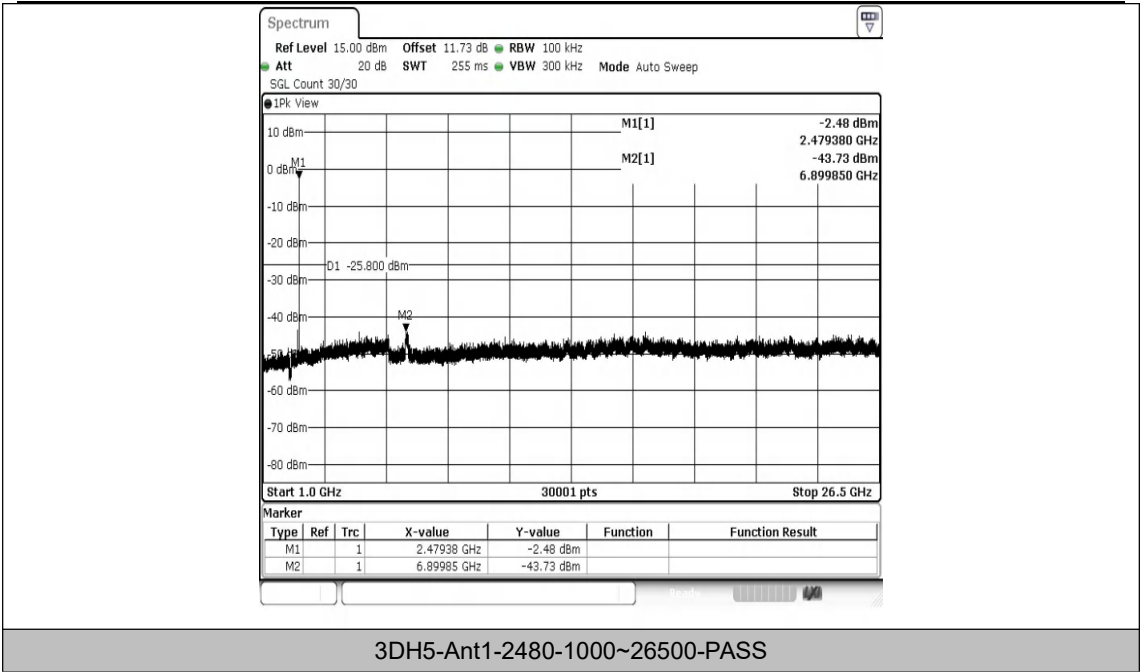


3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS





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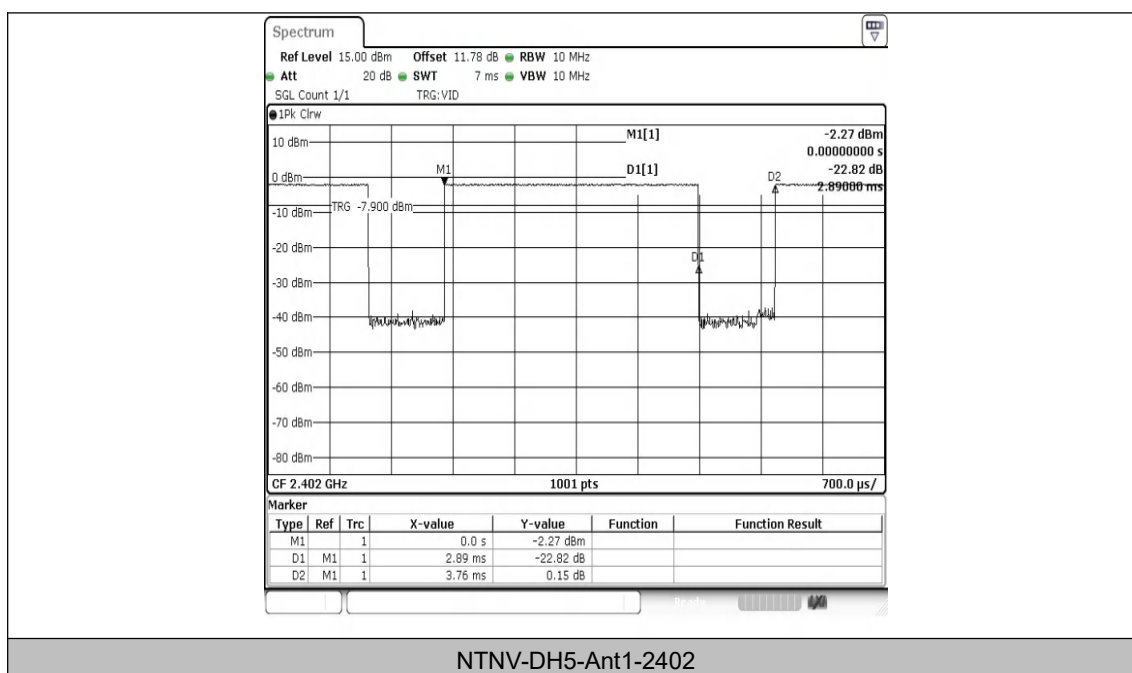


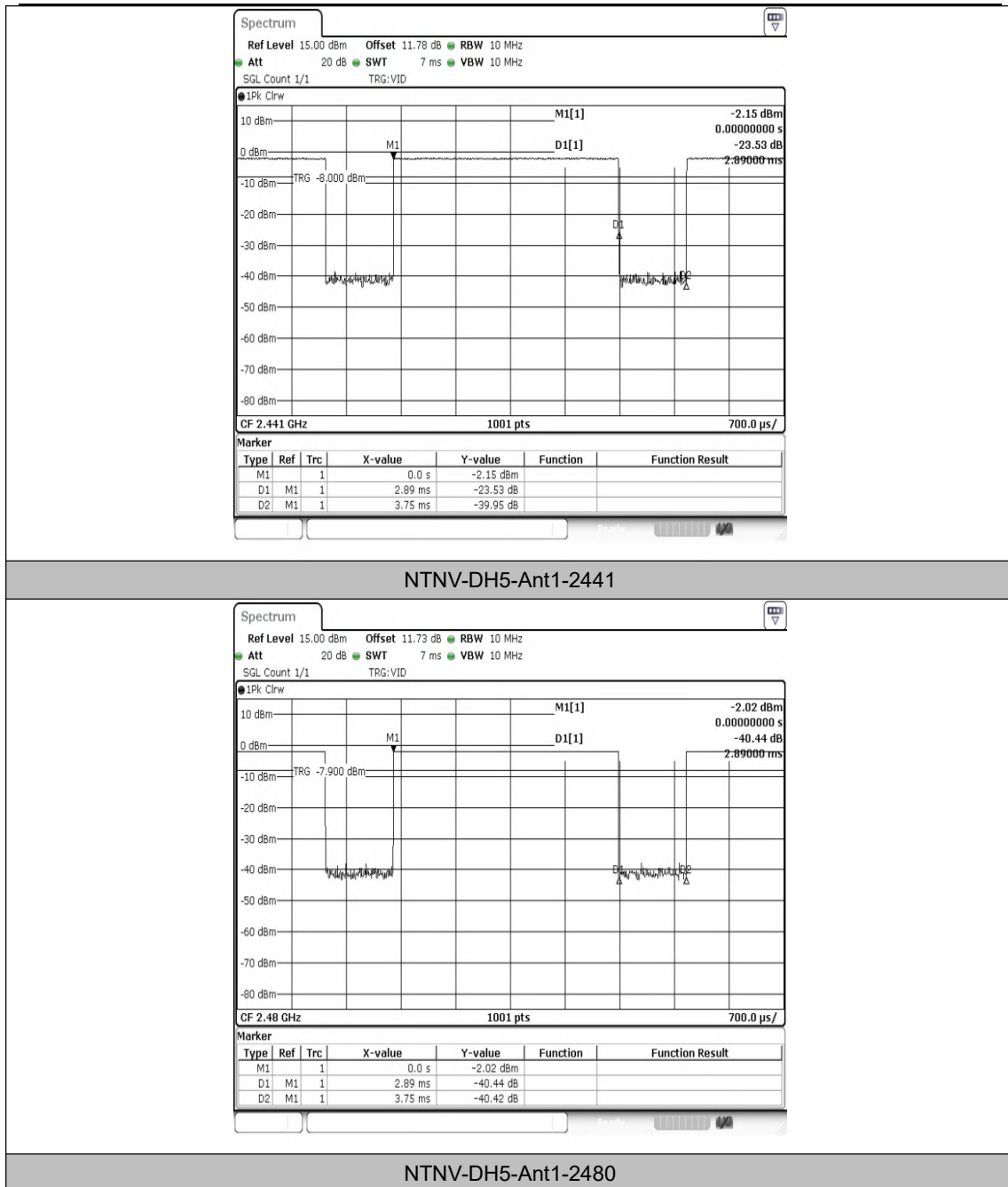
Appendix I: Duty Cycle

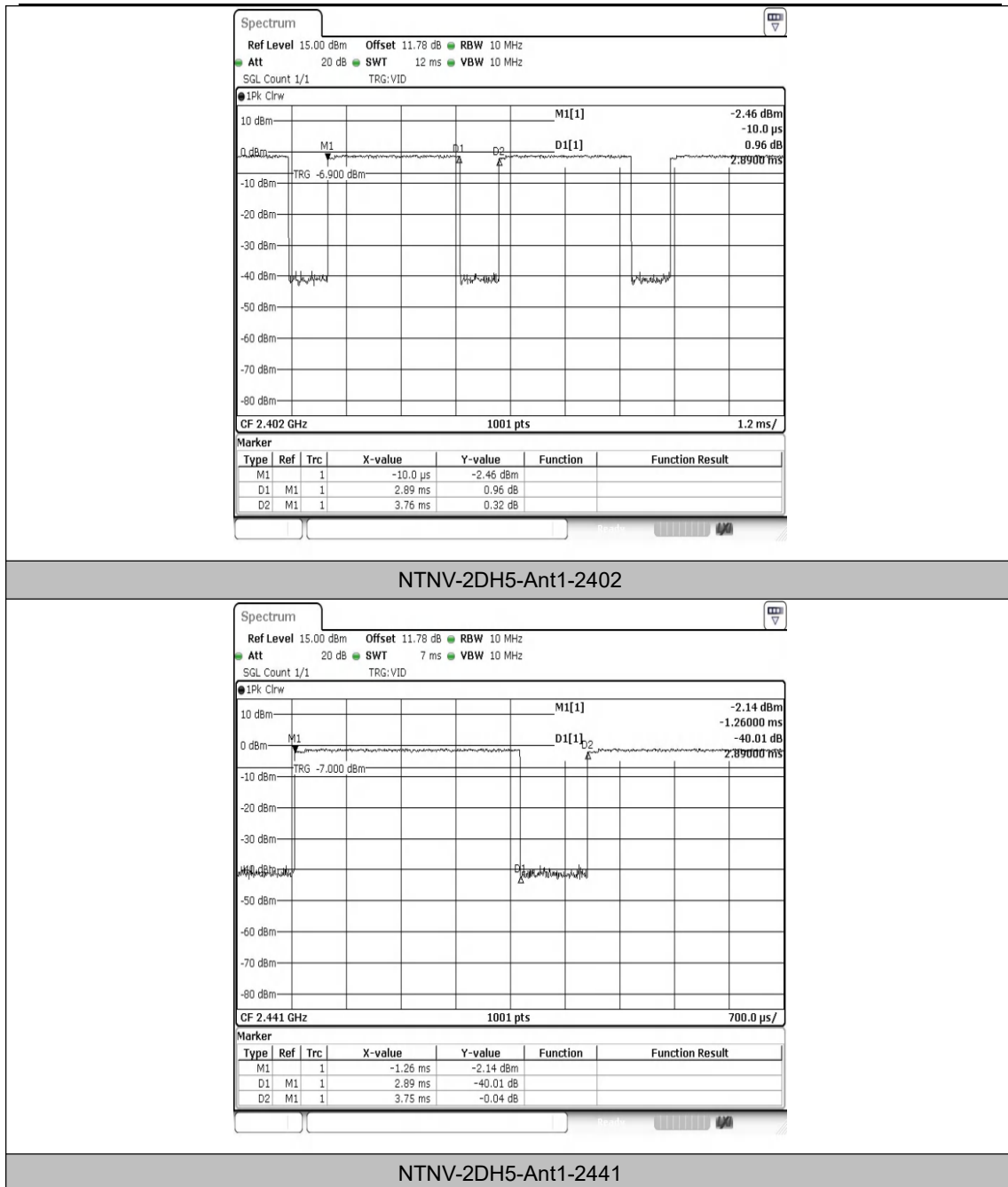
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.76	76.86	1.14
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
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	2.89	3.76	76.86	1.14

Test Graphs





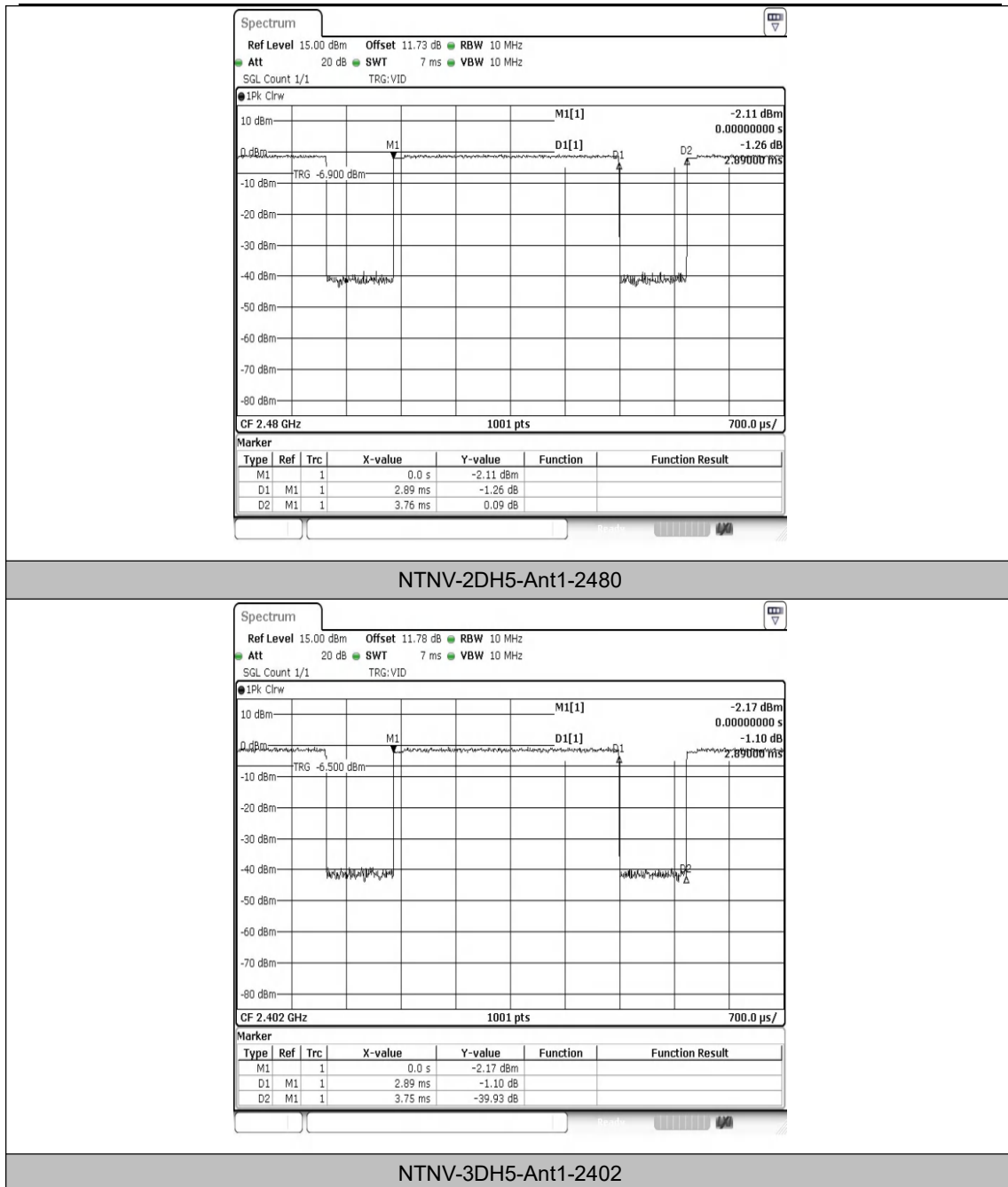


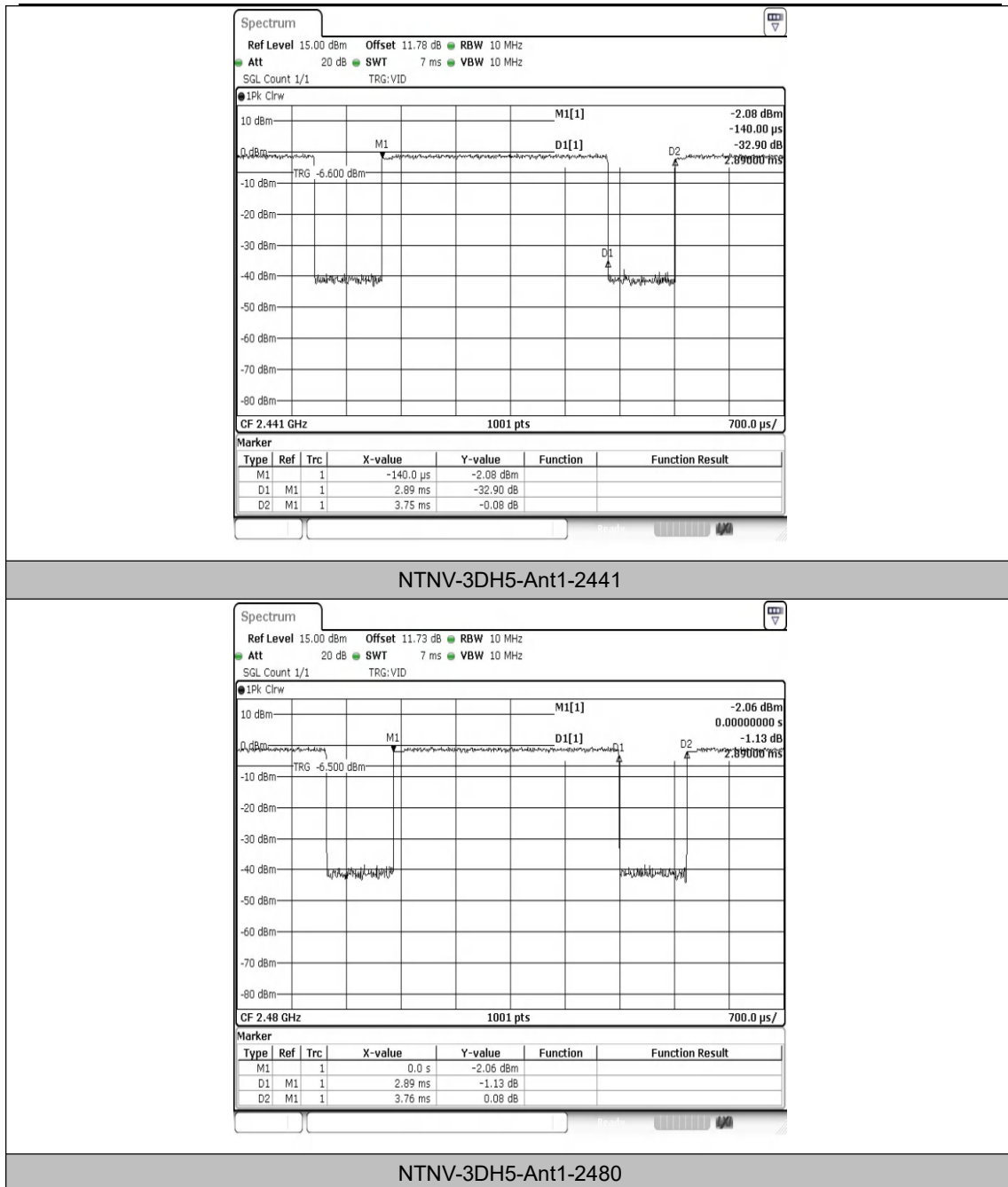
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