

Appendix Test Data

Report No.:	1818C50088212501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-20	Finish Test Date:	2025-5-22
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24.1°C	Relative Humidity:	52%
Pressure:	101kPa		

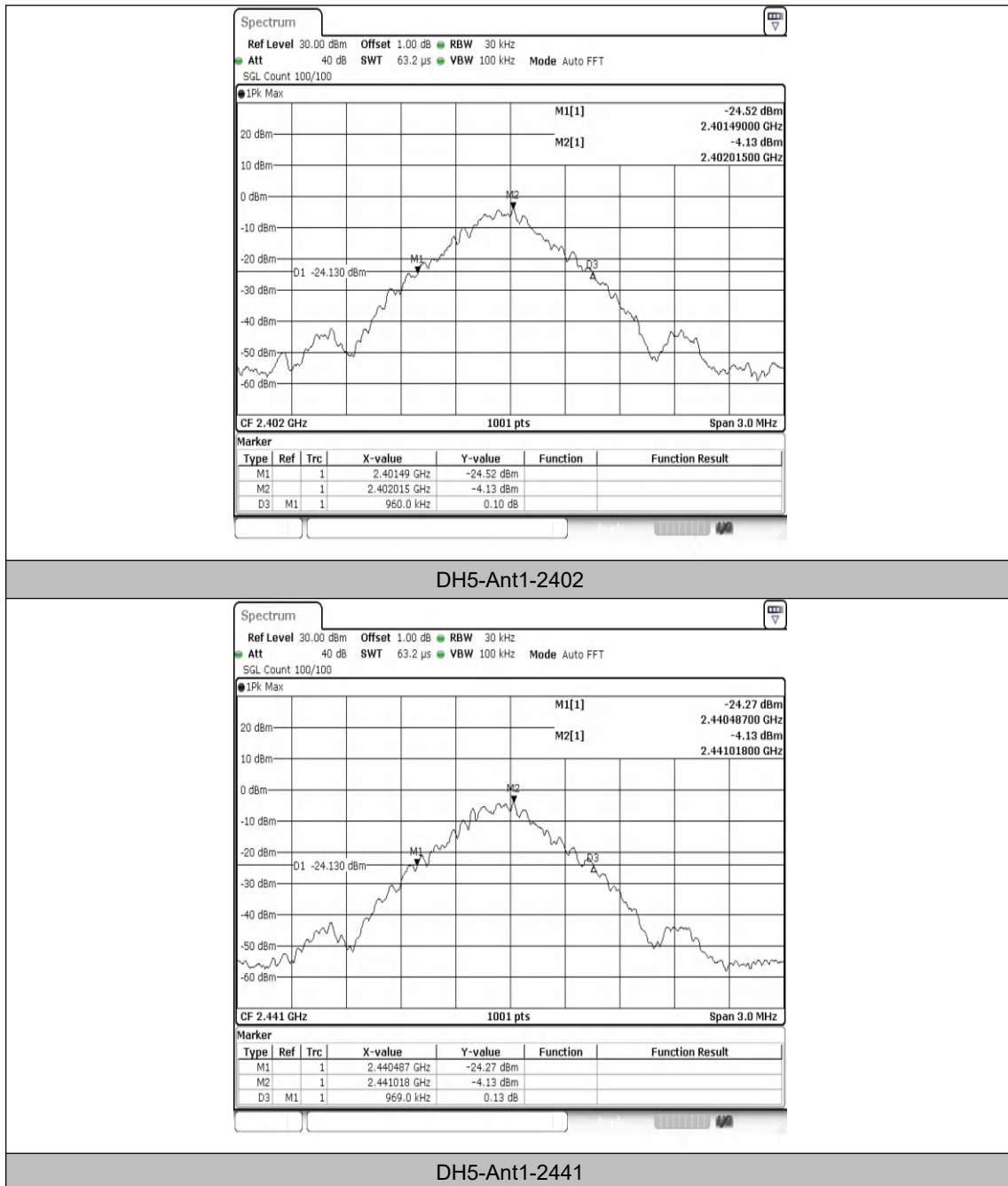
Appendix A: 20dB Bandwidth

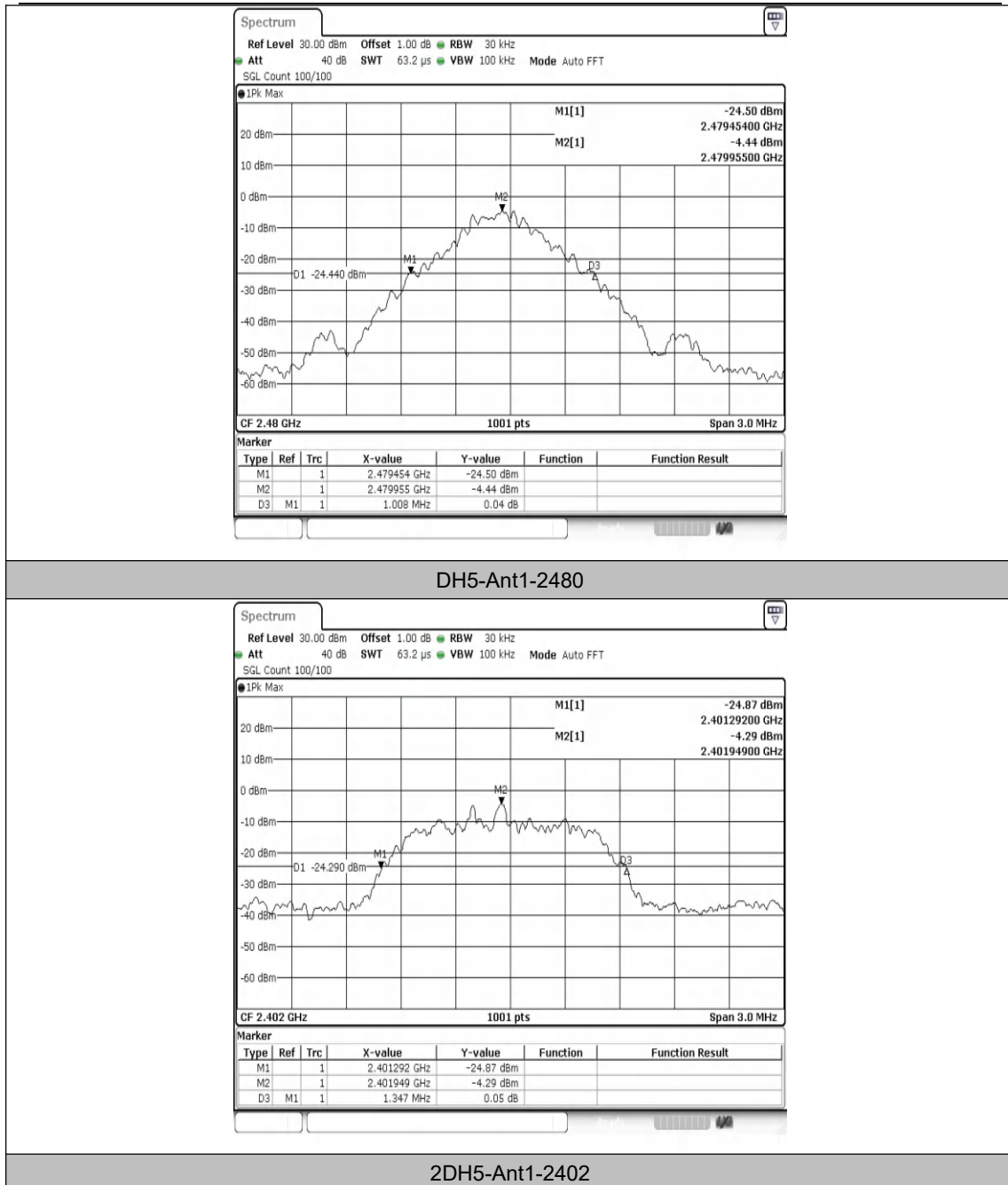
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.49	2402.45	---	---
DH5	Ant1	2441	0.97	2440.49	2441.46	---	---
DH5	Ant1	2480	1.01	2479.45	2480.46	---	---
2DH5	Ant1	2402	1.35	2401.29	2402.64	---	---
2DH5	Ant1	2441	1.34	2440.30	2441.64	---	---
2DH5	Ant1	2480	1.34	2479.29	2480.63	---	---
3DH5	Ant1	2402	1.34	2401.29	2402.62	---	---
3DH5	Ant1	2441	1.29	2440.30	2441.59	---	---
3DH5	Ant1	2480	1.31	2479.31	2480.62	---	---



Test Graphs

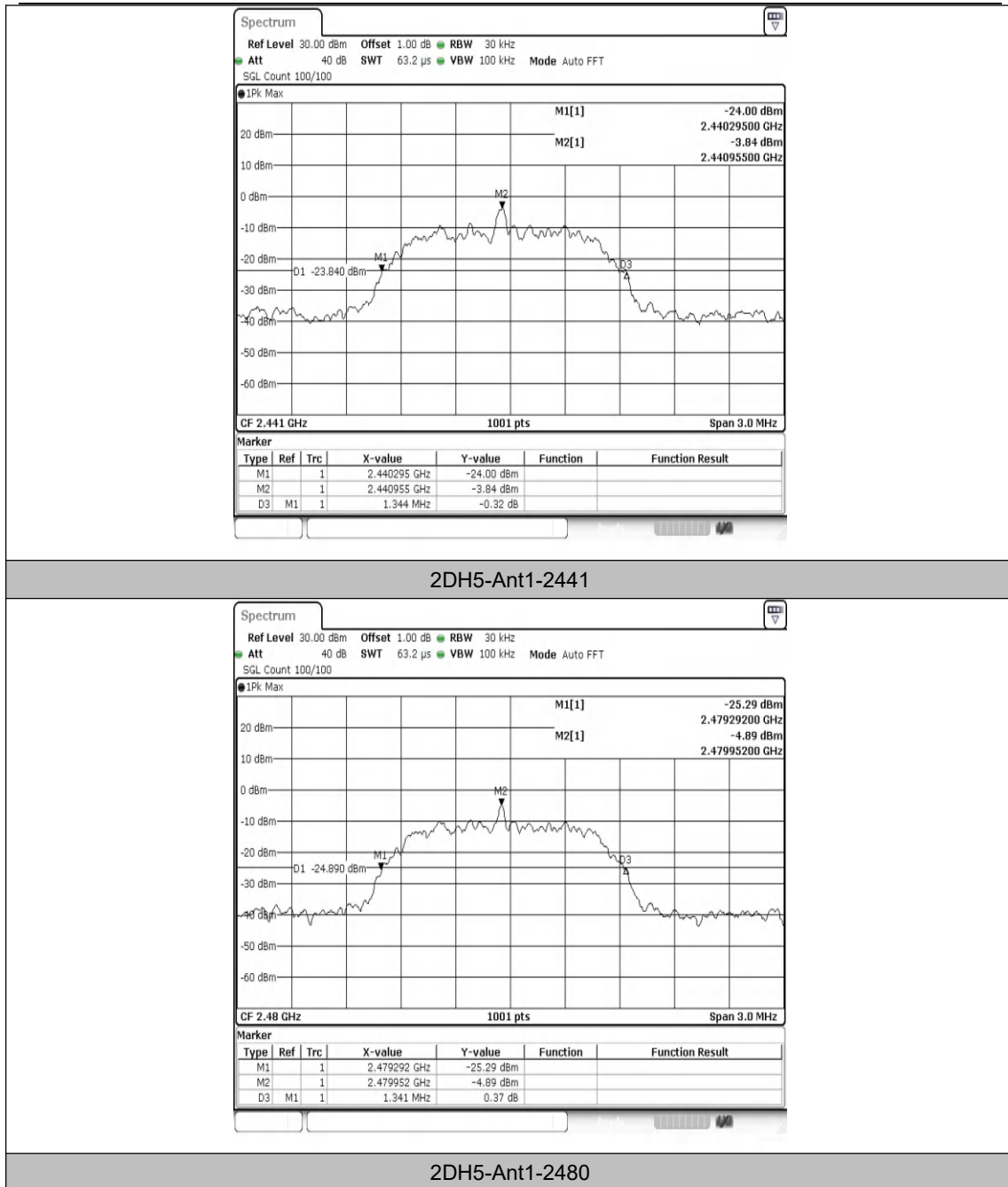




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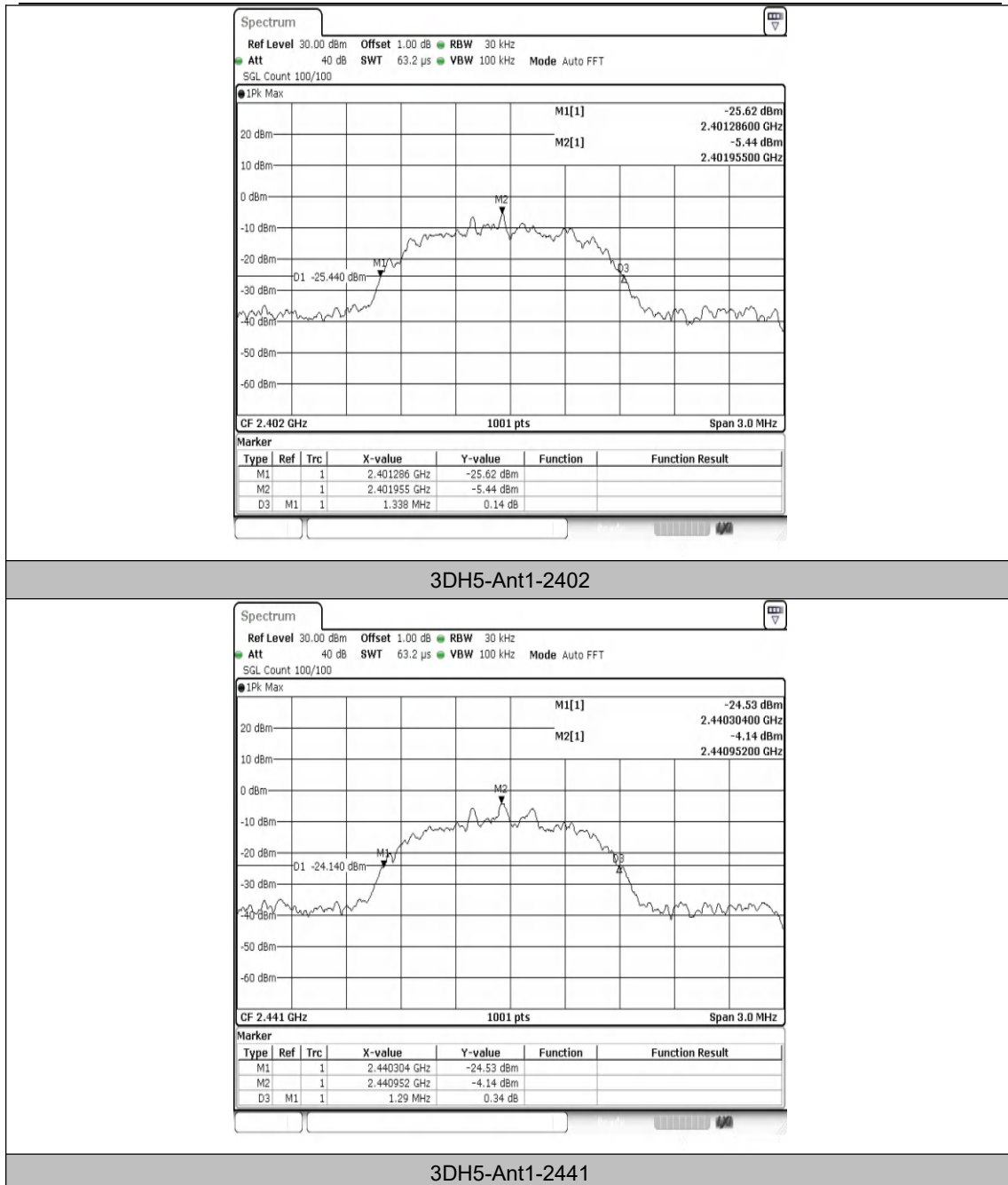
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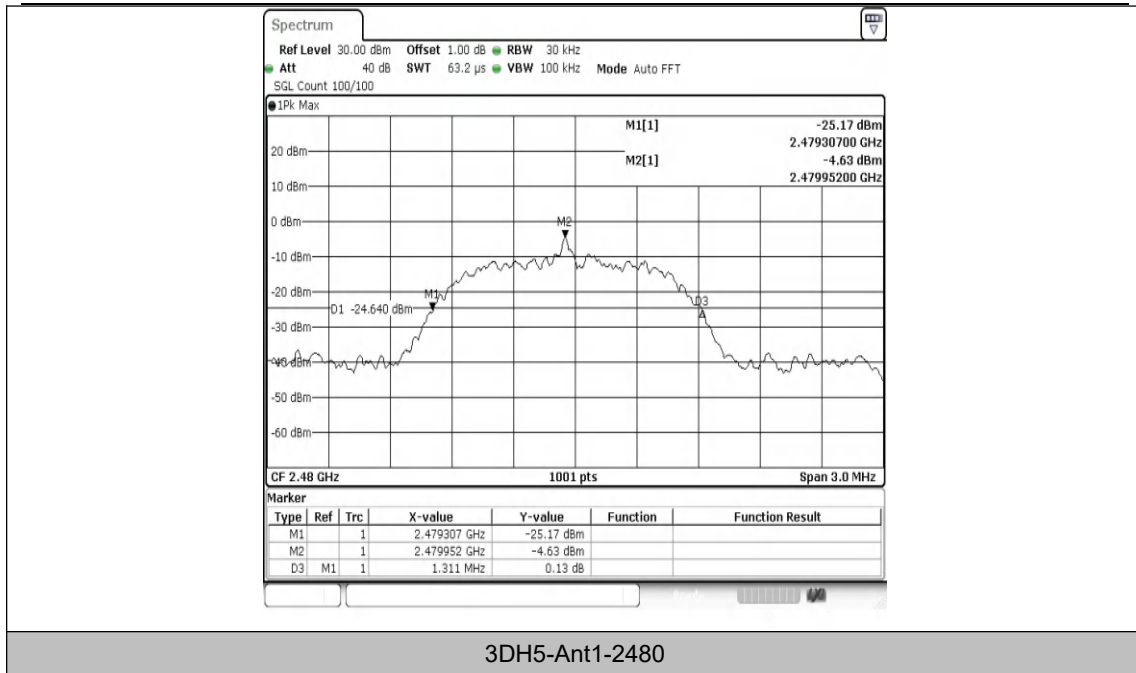


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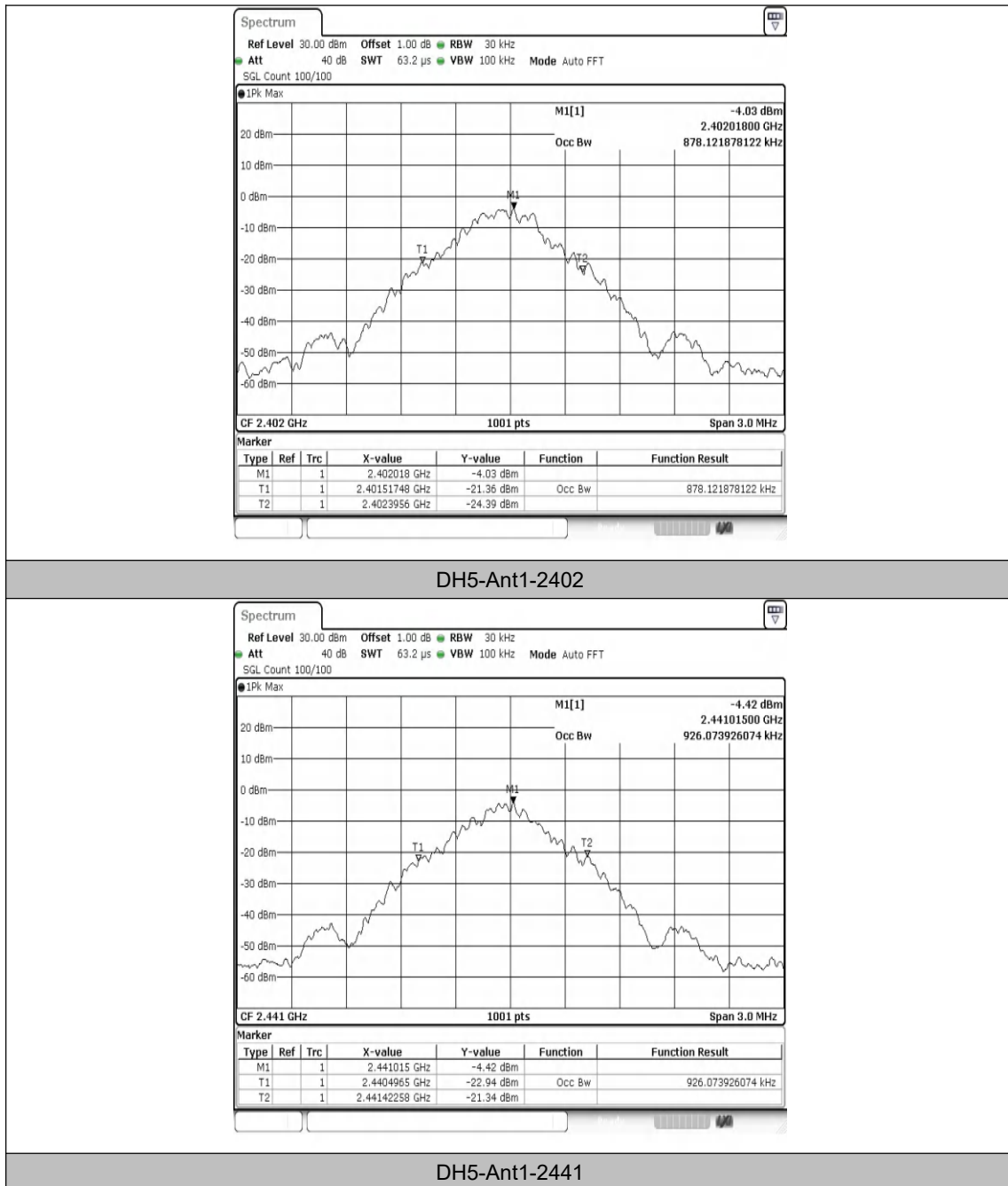
Appendix B: 99% Occupied Bandwidth

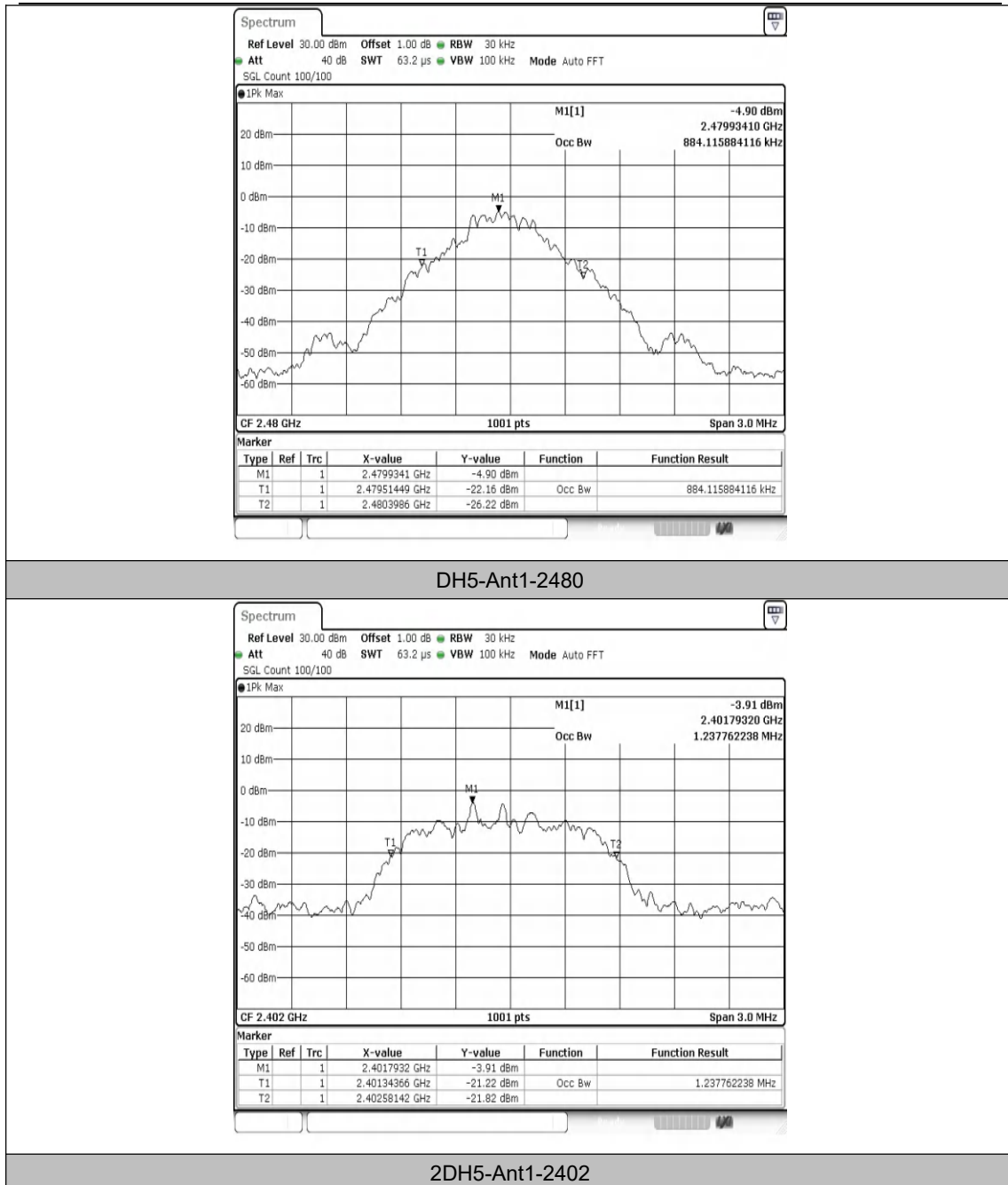
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87812	2401.5175	2402.3956	---	---
DH5	Ant1	2441	0.92607	2440.4965	2441.4226	---	---
DH5	Ant1	2480	0.88412	2479.5145	2480.3986	---	---
2DH5	Ant1	2402	1.2378	2401.3437	2402.5814	---	---
2DH5	Ant1	2441	1.2468	2440.3437	2441.5904	---	---
2DH5	Ant1	2480	1.2318	2479.3467	2480.5784	---	---
3DH5	Ant1	2402	1.2378	2401.3347	2402.5724	---	---
3DH5	Ant1	2441	1.2527	2440.3257	2441.5784	---	---
3DH5	Ant1	2480	1.2228	2479.3377	2480.5604	---	---



Test Graphs

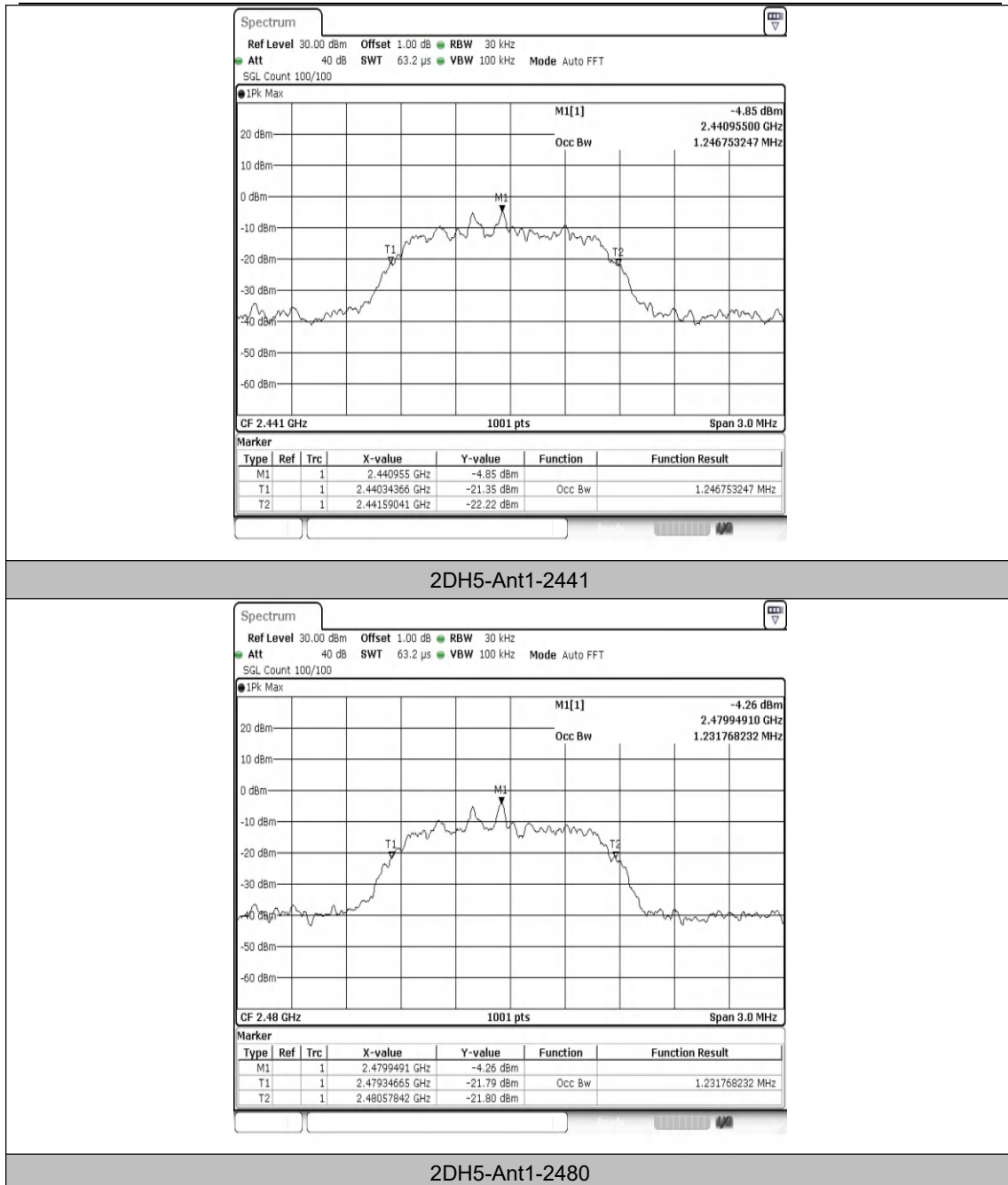


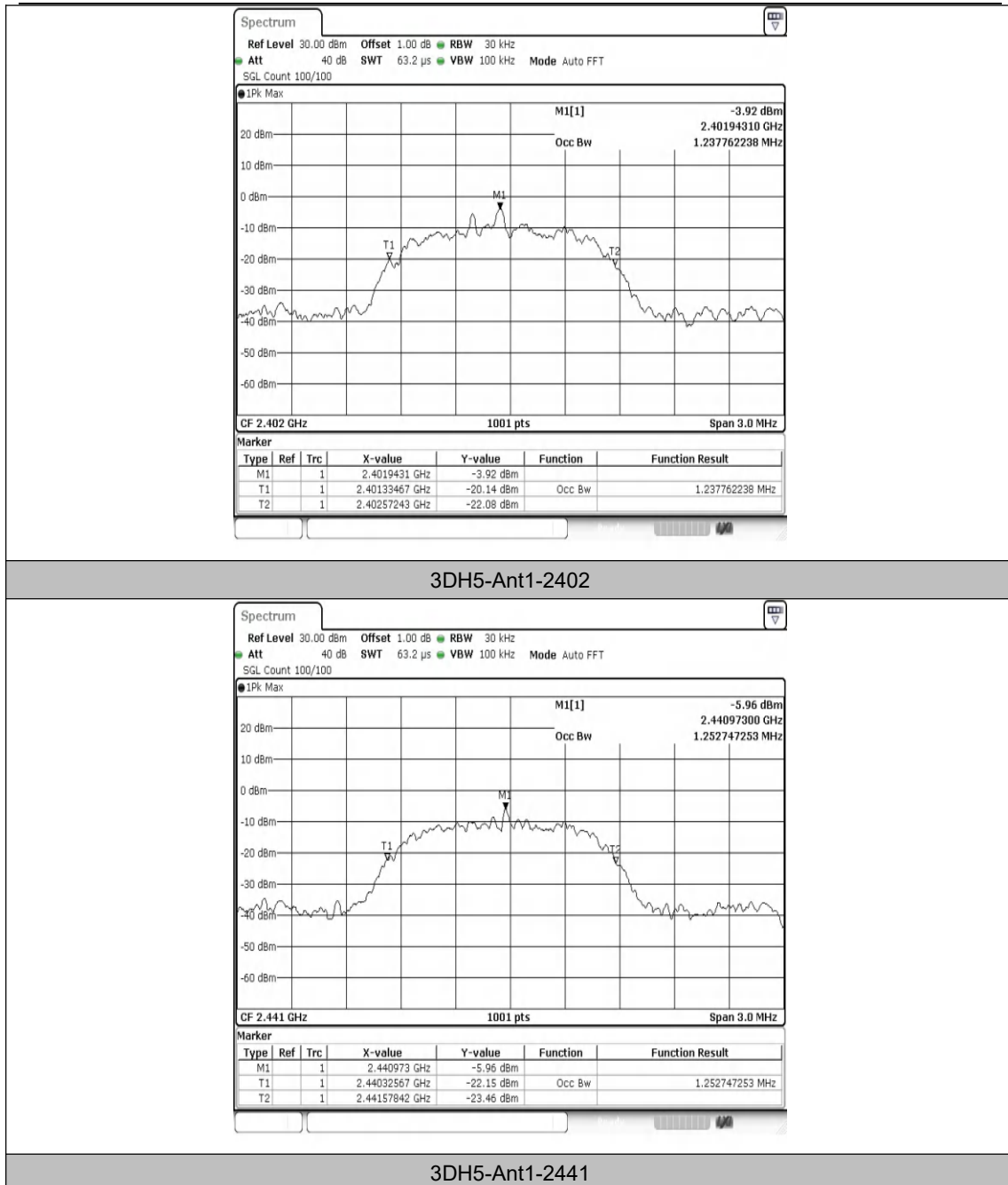


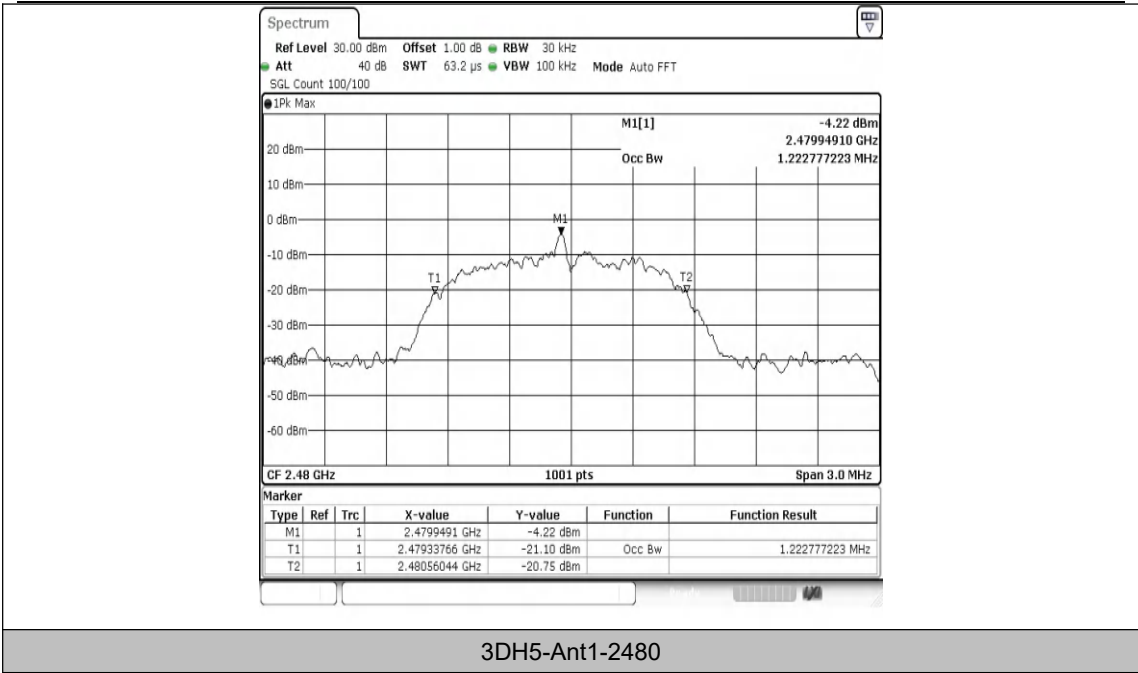
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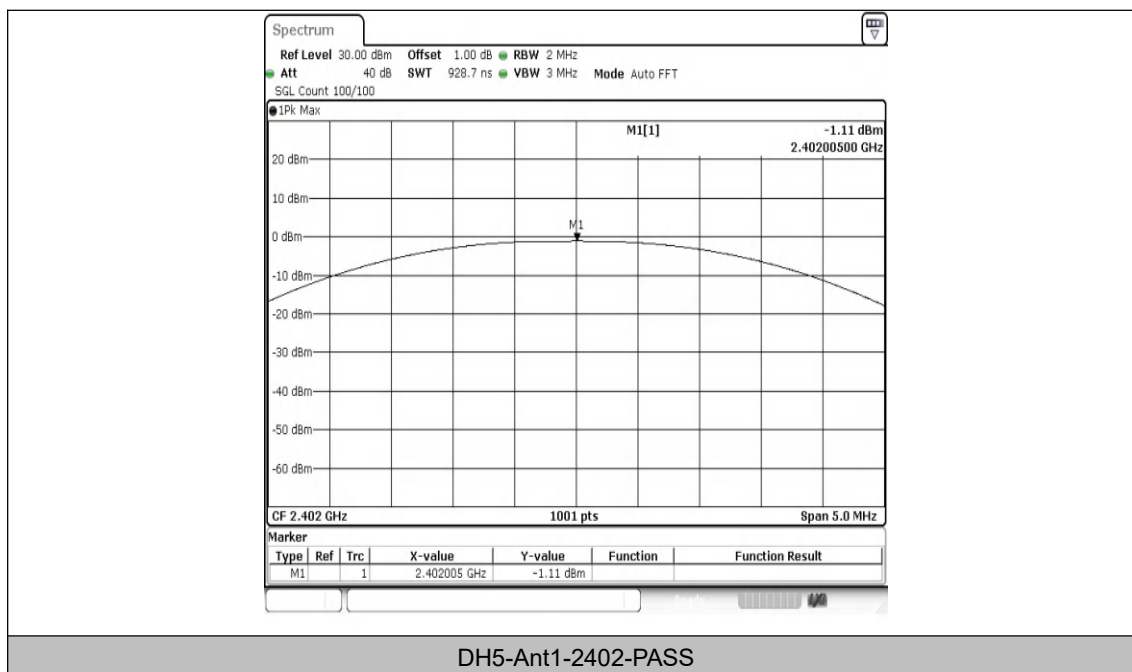
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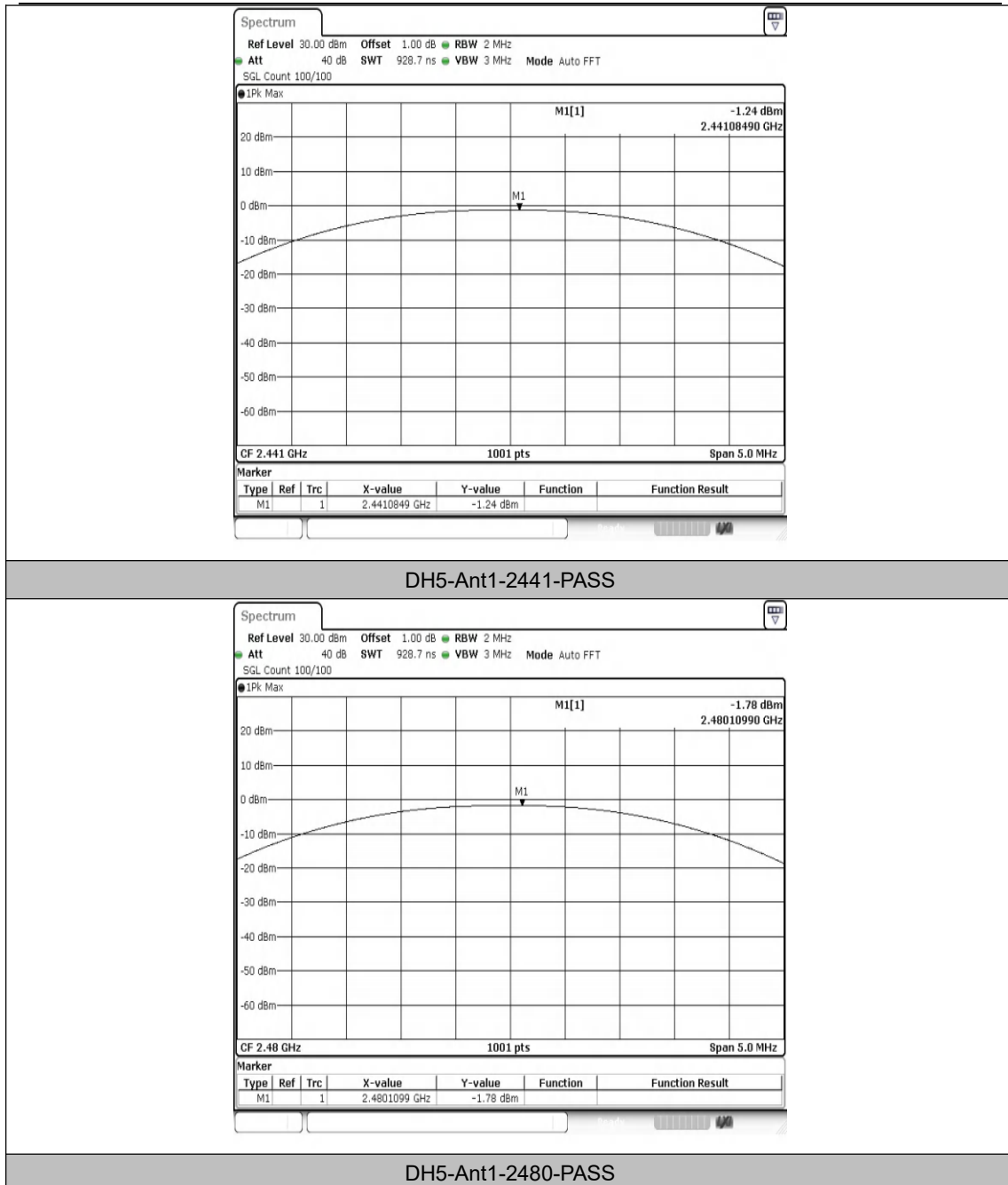
Appendix C: Maximum Conducted Output Power

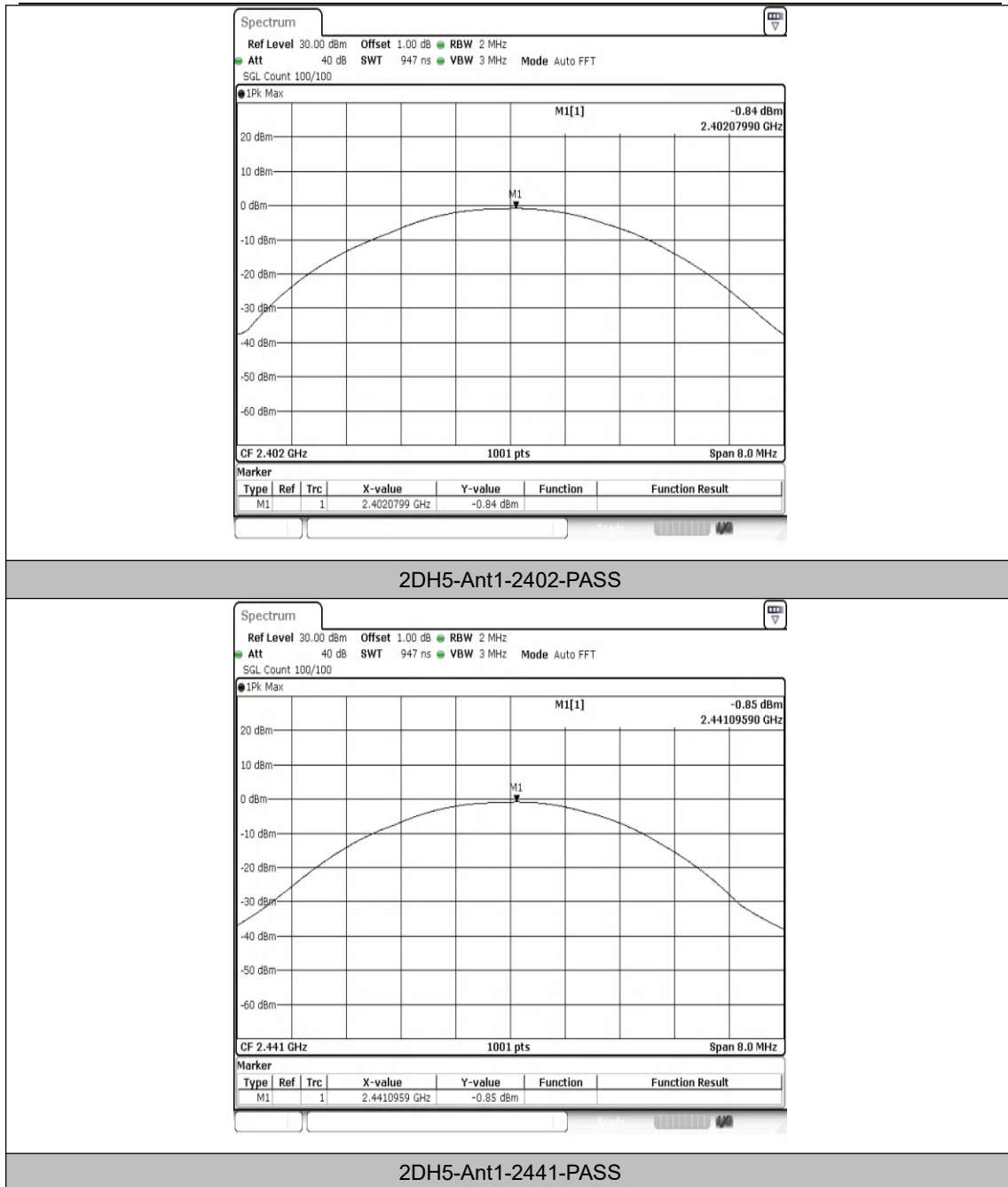
Test Result Peak

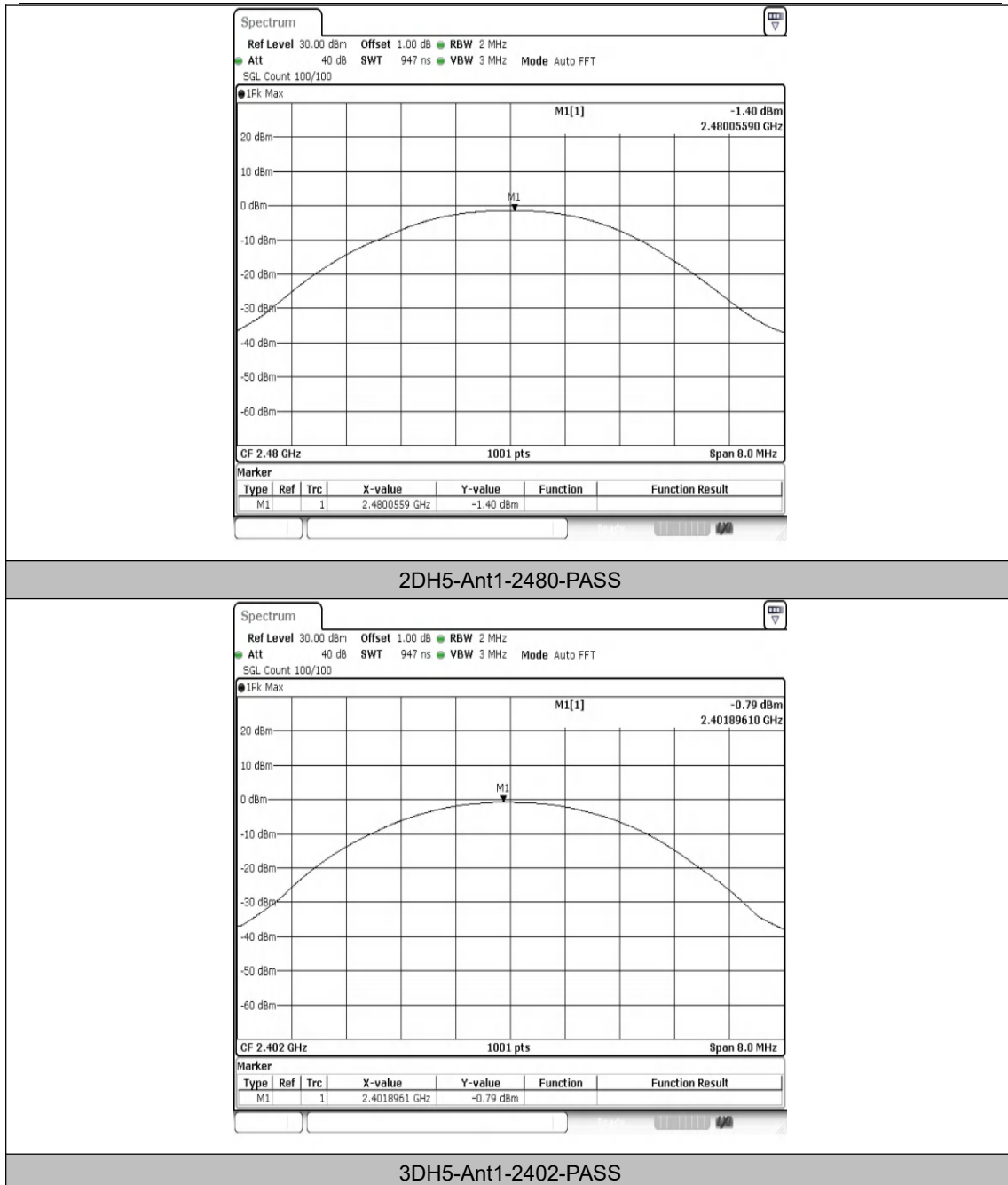
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.11	≤20.97	PASS
DH5	Ant1	2441	-1.24	≤20.97	PASS
DH5	Ant1	2480	-1.78	≤20.97	PASS
2DH5	Ant1	2402	-0.84	≤20.97	PASS
2DH5	Ant1	2441	-0.85	≤20.97	PASS
2DH5	Ant1	2480	-1.40	≤20.97	PASS
3DH5	Ant1	2402	-0.79	≤20.97	PASS
3DH5	Ant1	2441	-0.70	≤20.97	PASS
3DH5	Ant1	2480	-1.41	≤20.97	PASS

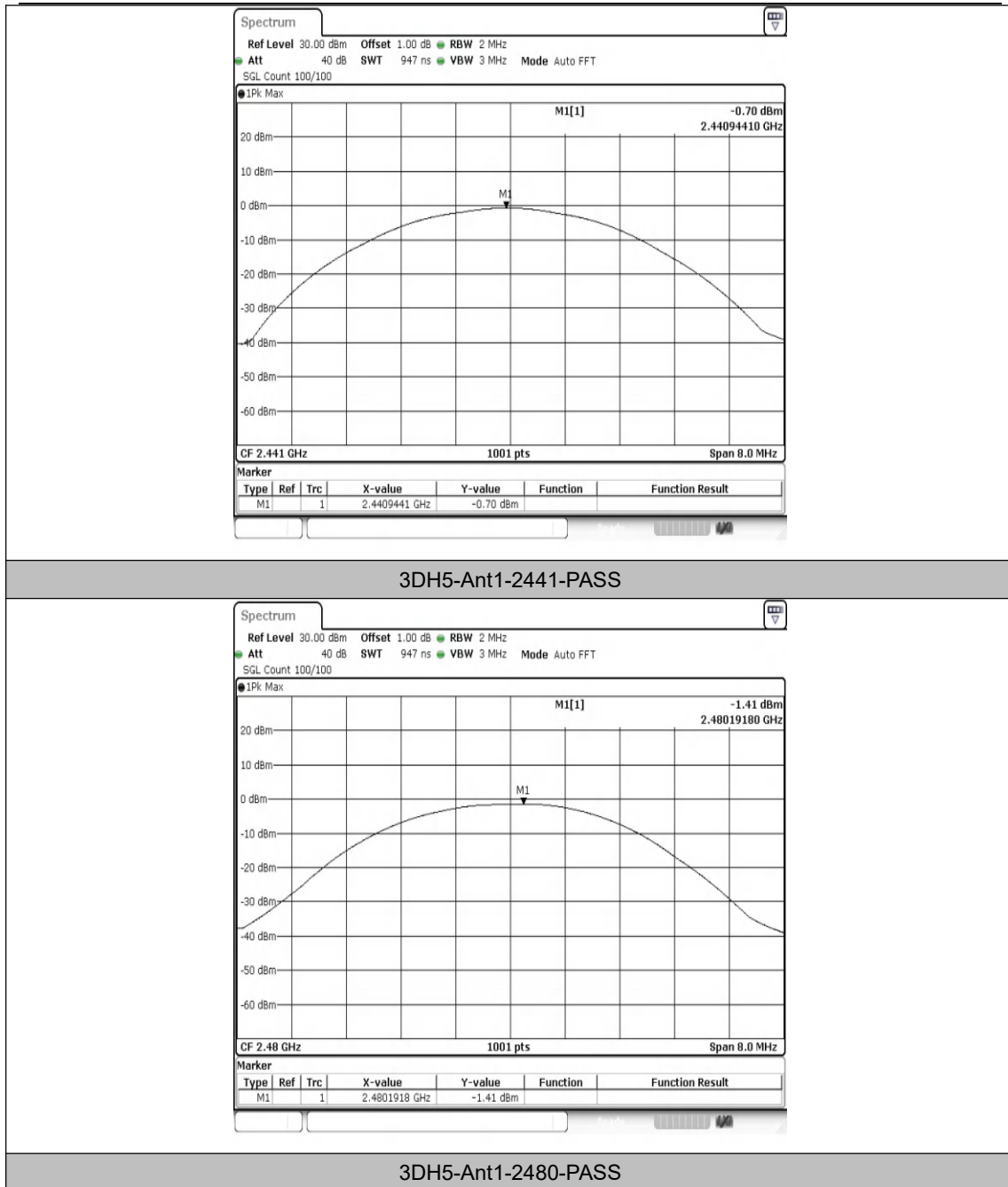
Test Graphs











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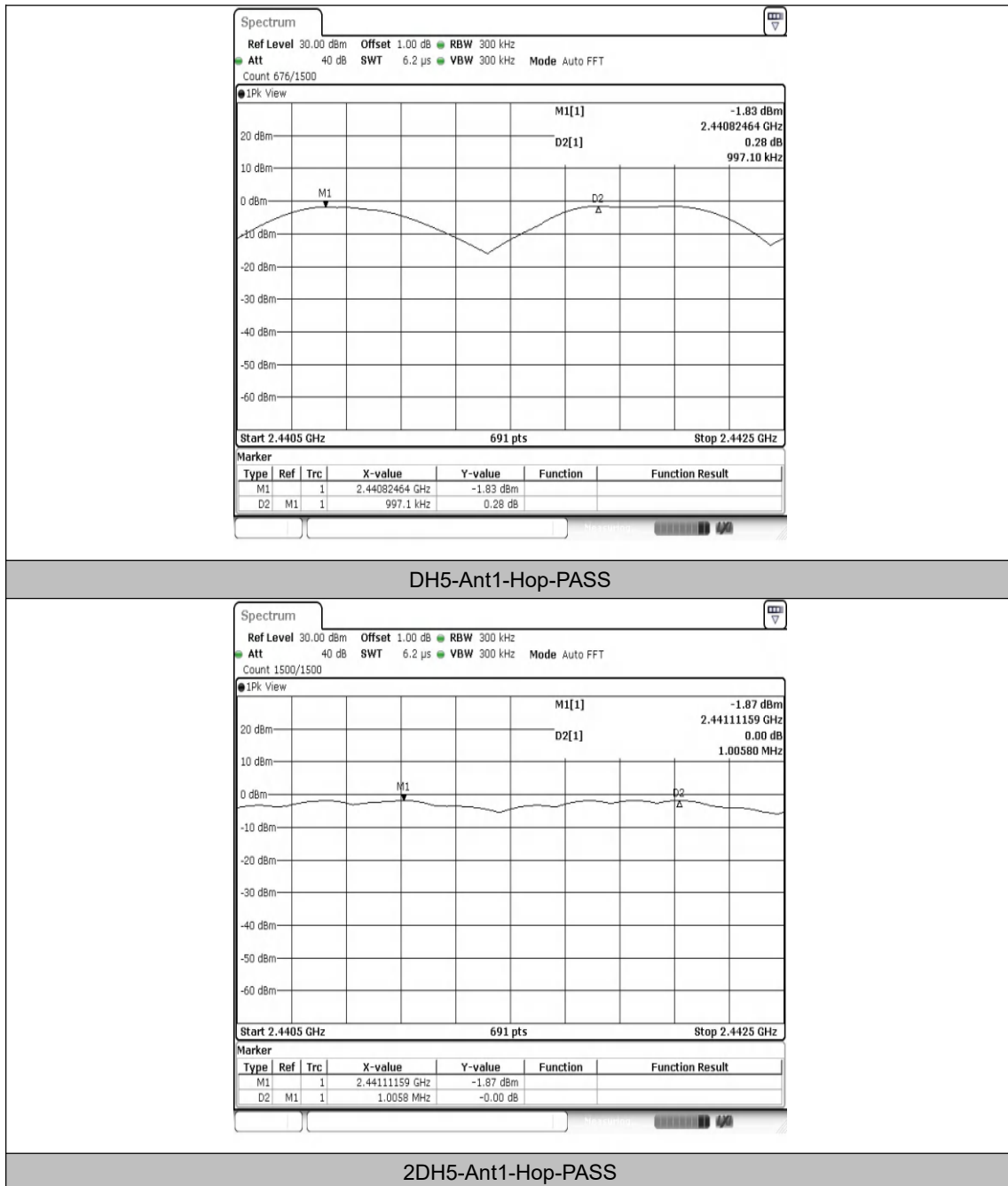
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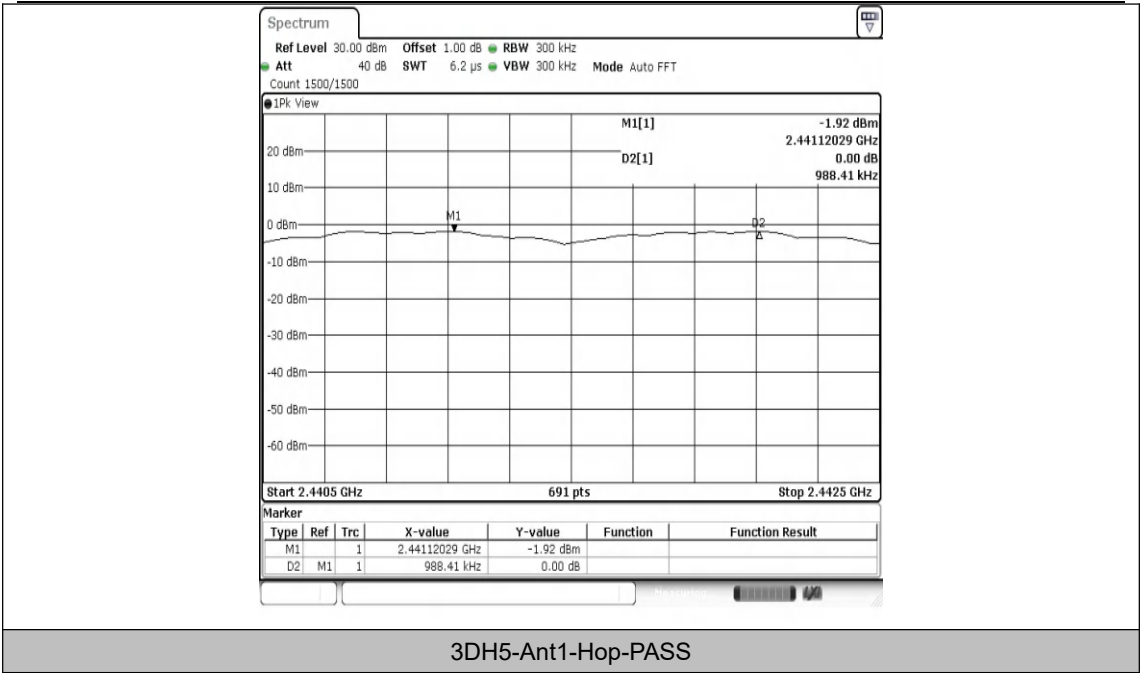
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥0.673	PASS
2DH5	Ant1	Hop	1.006	≥0.900	PASS
3DH5	Ant1	Hop	0.988	≥0.893	PASS

Test Graphs





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Appendix E: Dwell Time

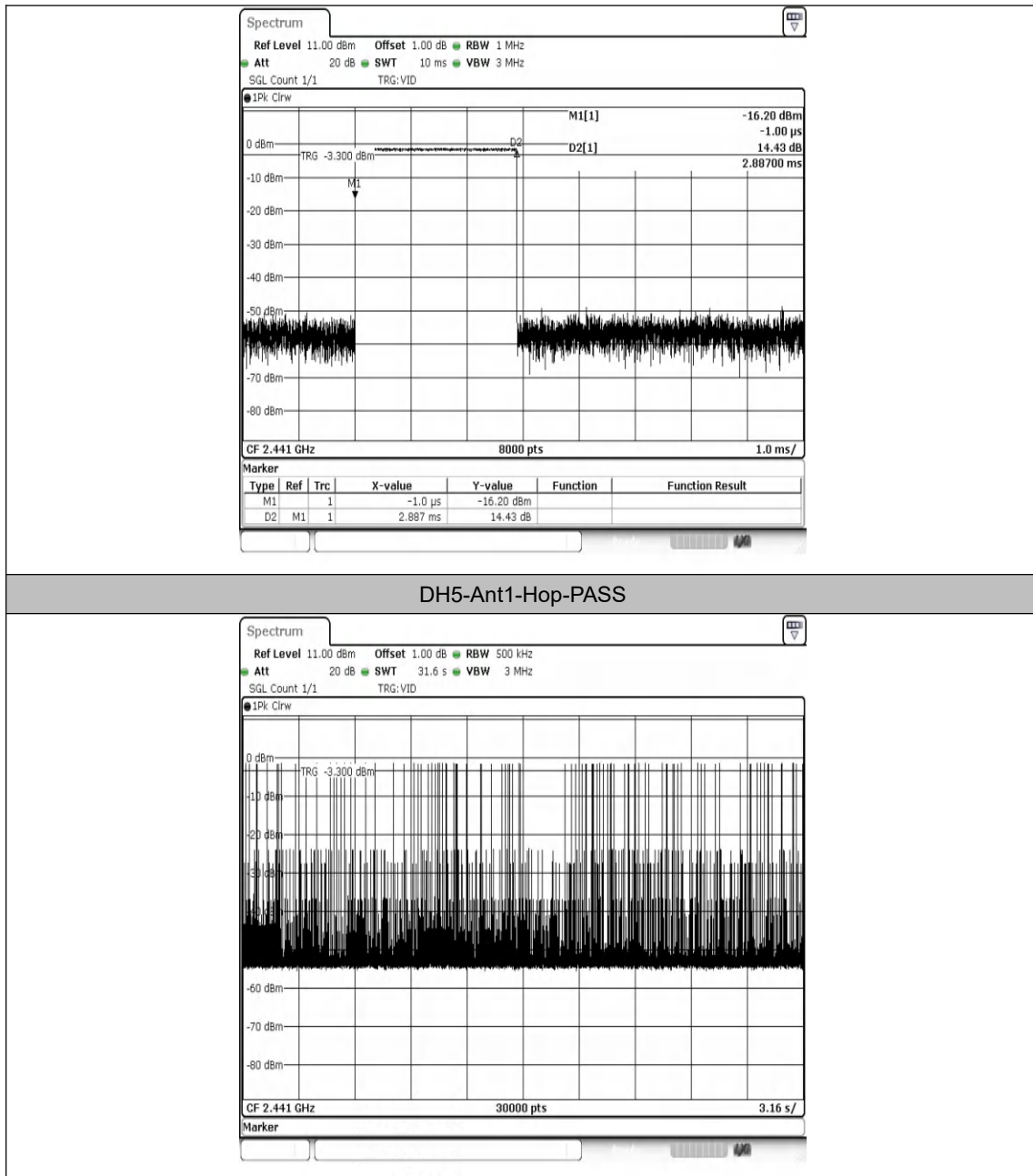
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.890	106	0.306	≤0.4	PASS
3DH5	Ant1	Hop	2.893	107	0.31	≤0.4	PASS

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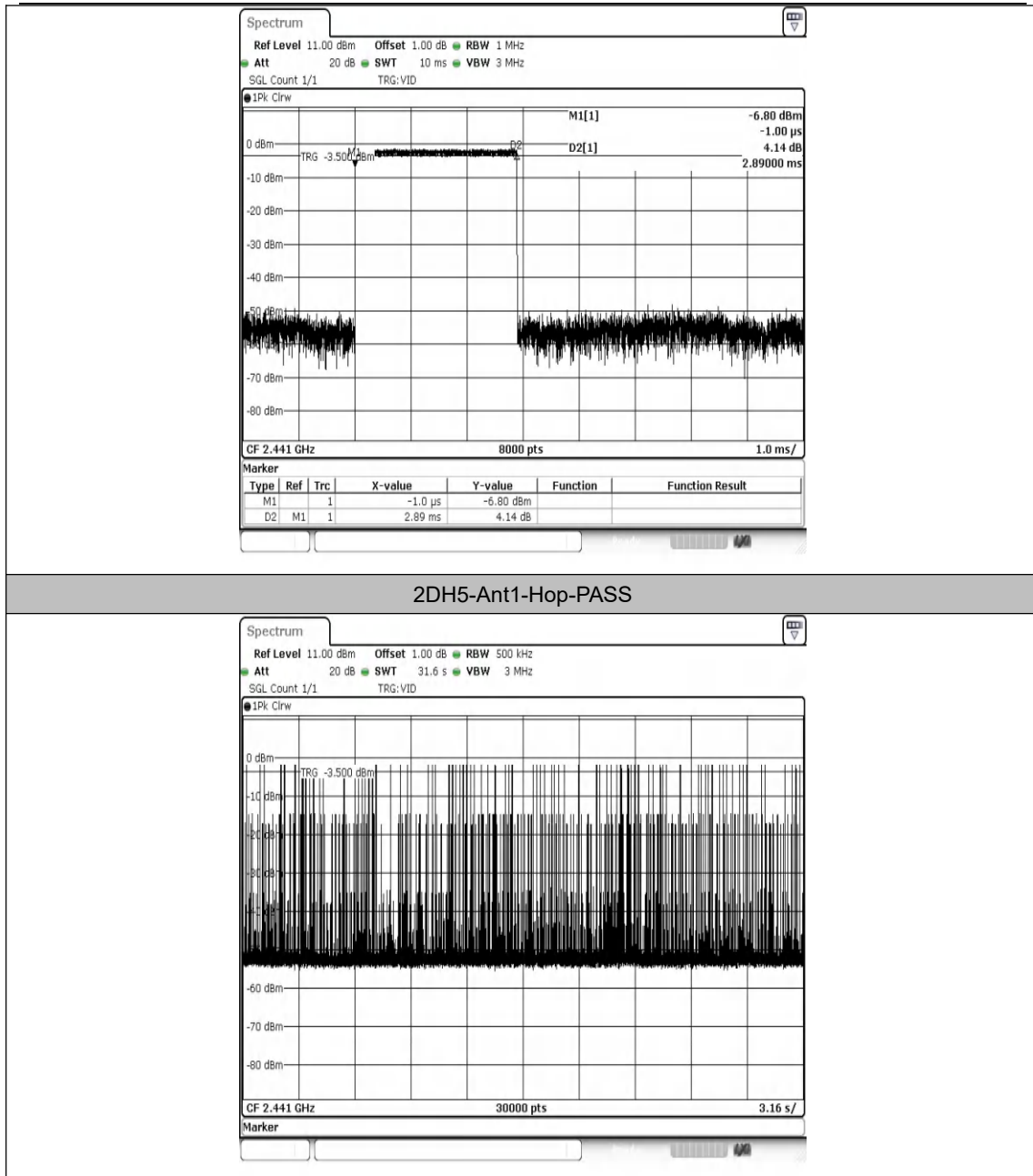
Test Graphs



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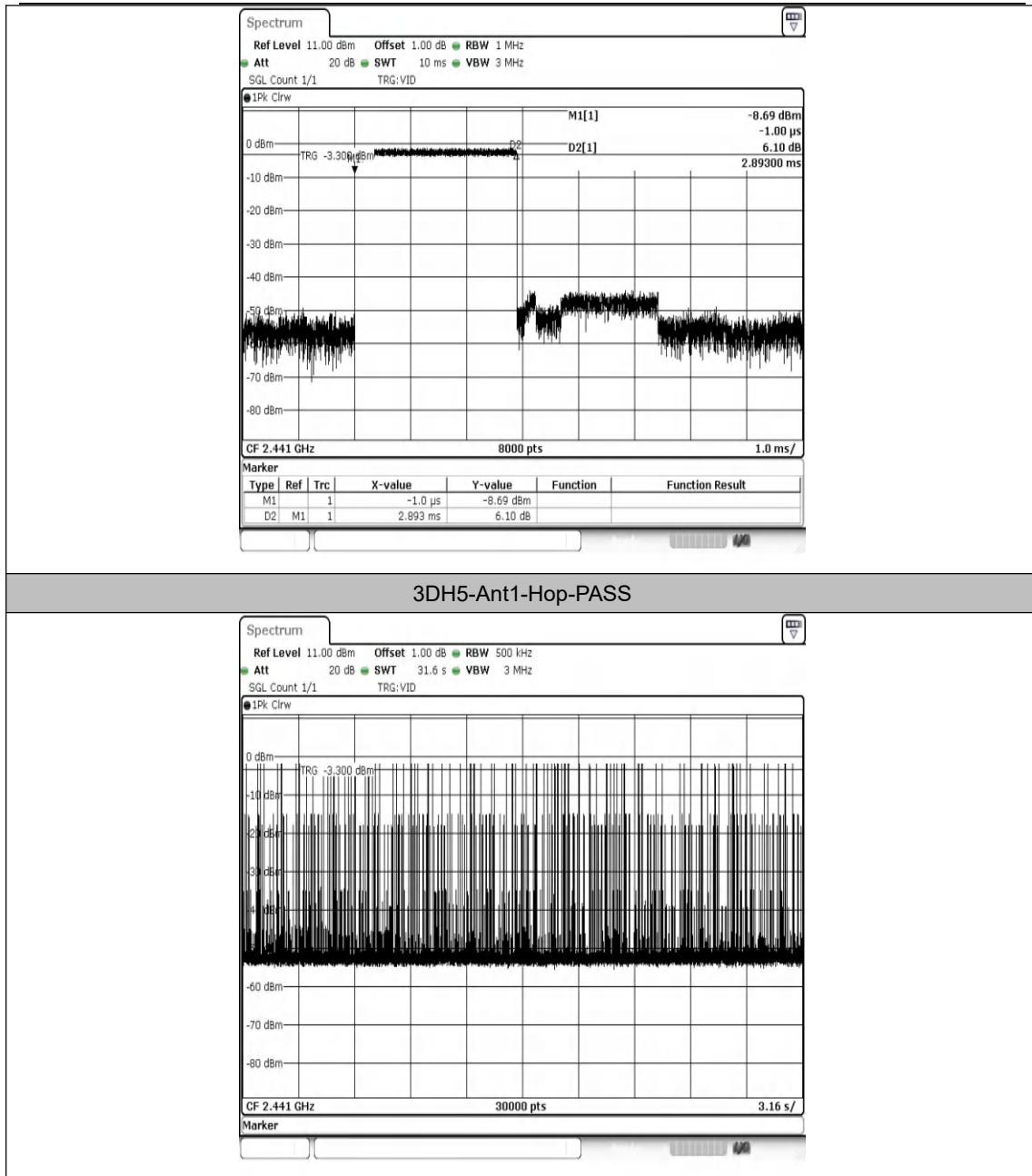
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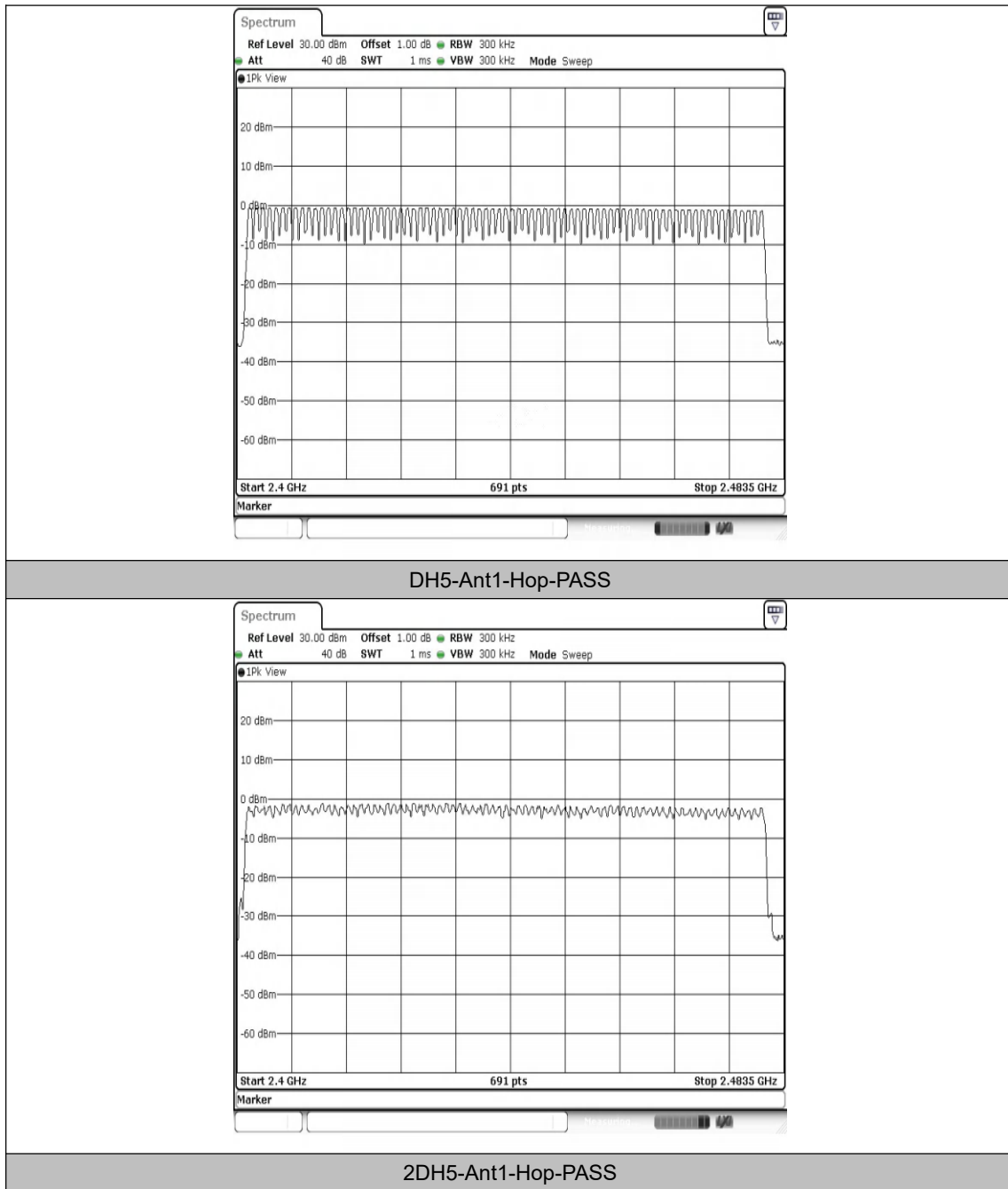
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Appendix F: Number of Hopping Channel

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

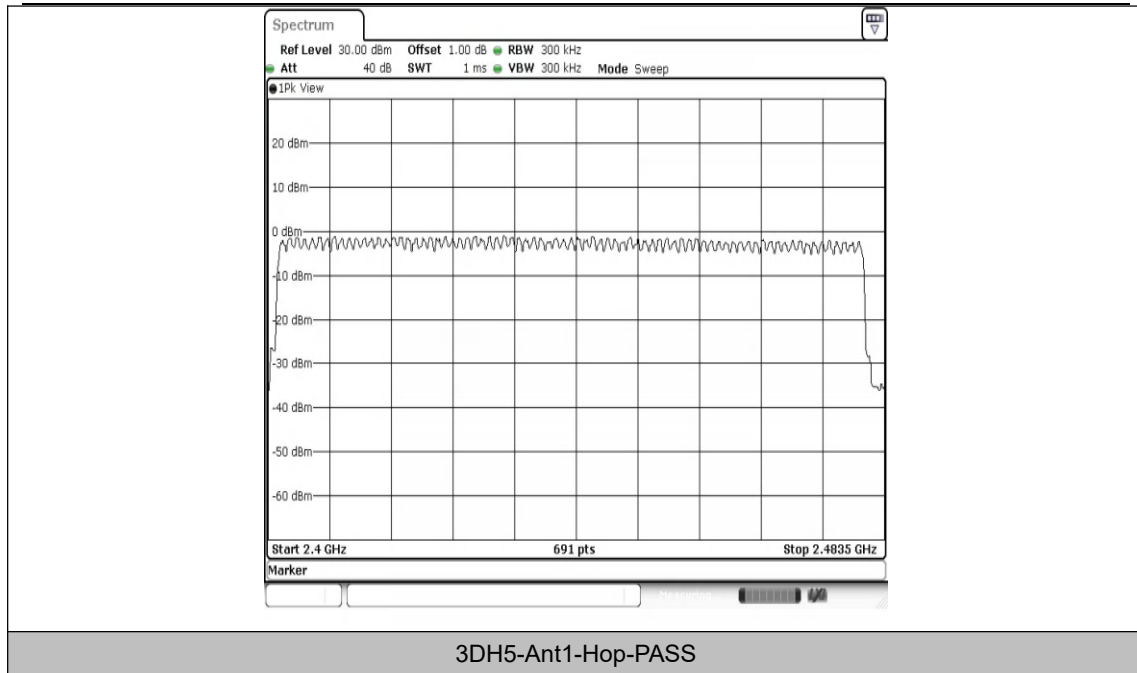
Test Graphs



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Appendix G: Conducted Band edge

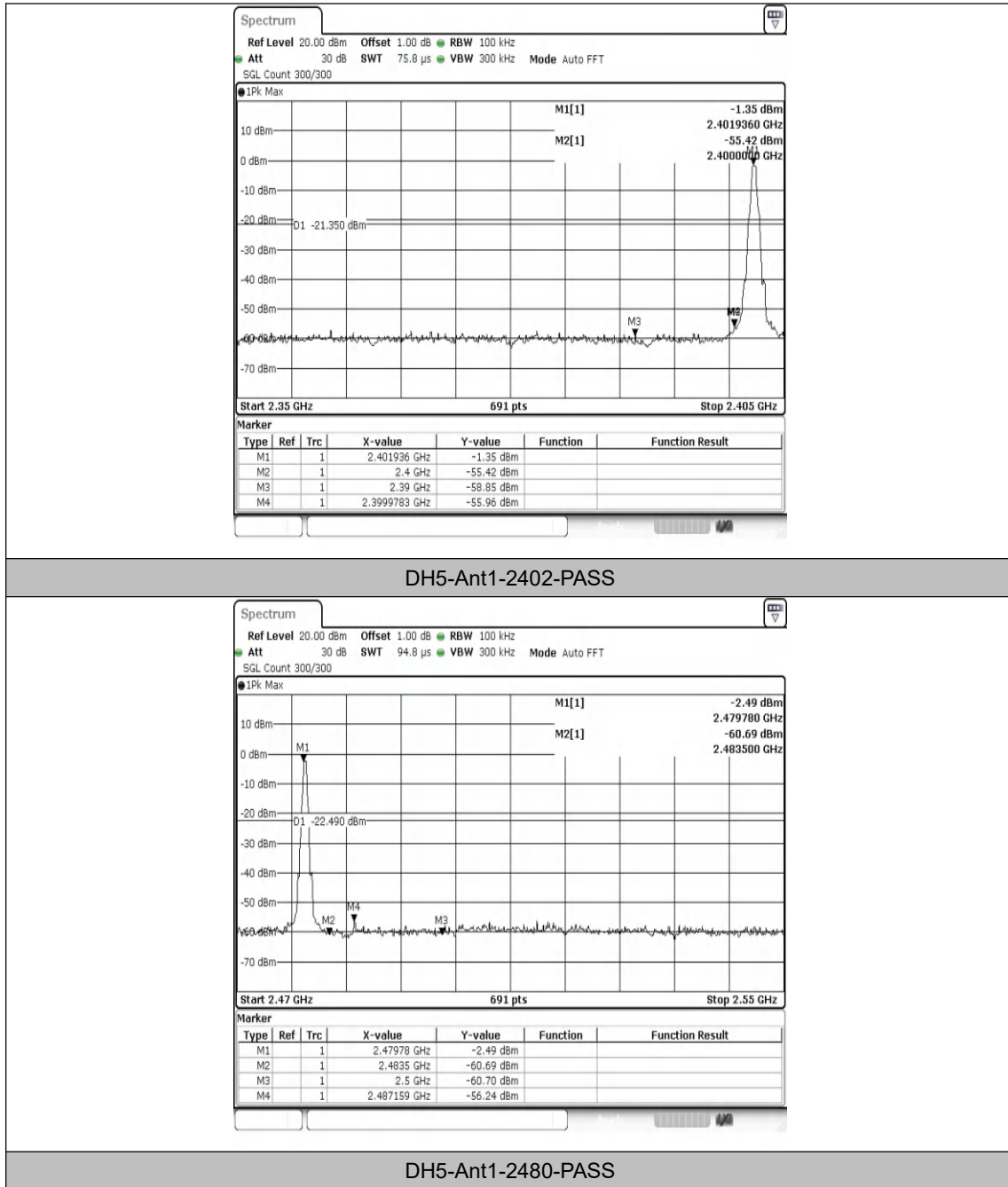
Test Result

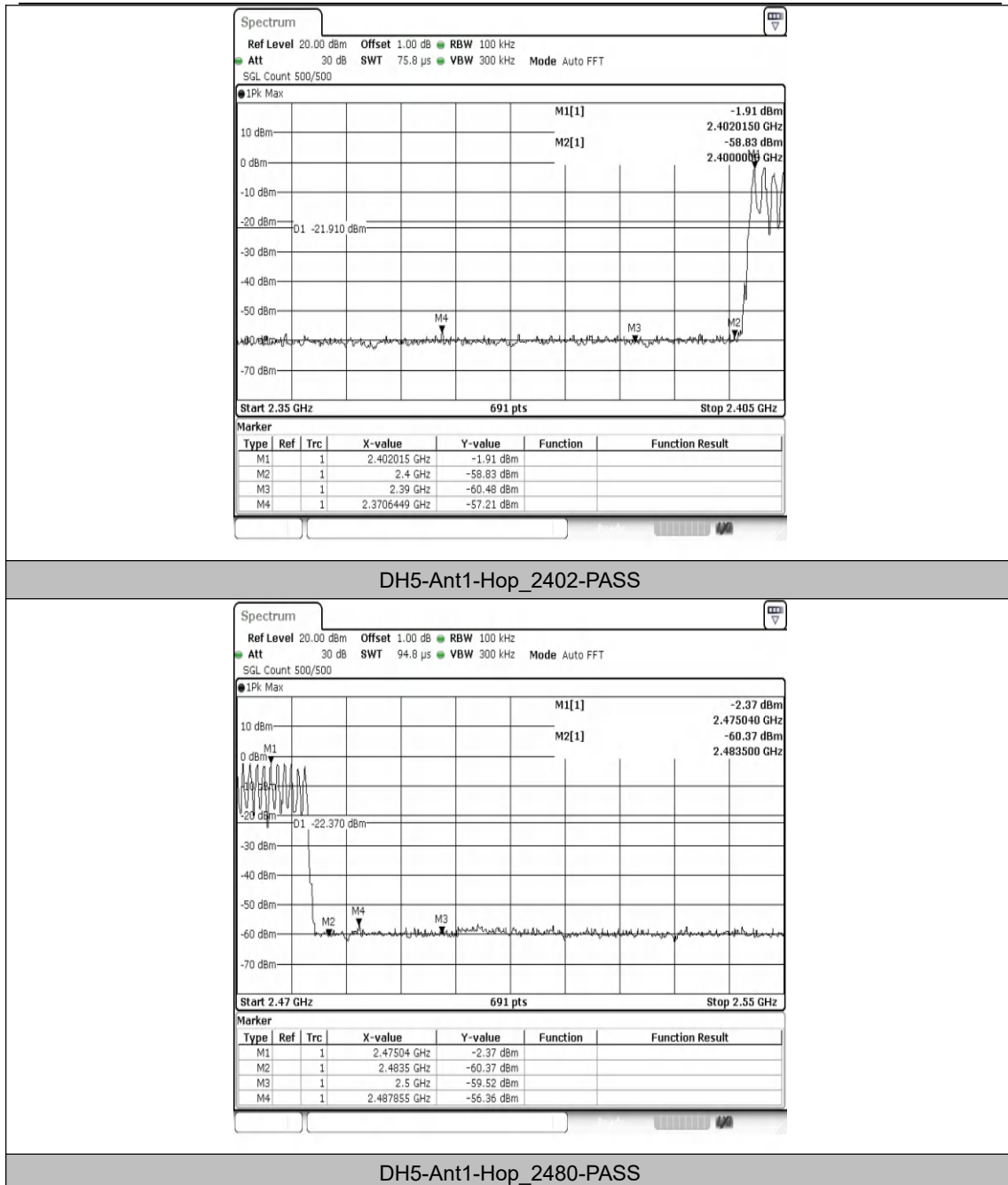
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.35	-55.96	≤ -21.35	PASS
DH5	Ant1	High	2480	-2.49	-56.24	≤ -22.49	PASS
DH5	Ant1	Low	Hop_2402	-1.91	-57.21	≤ -21.91	PASS
DH5	Ant1	High	Hop_2480	-2.37	-56.36	≤ -22.37	PASS
2DH5	Ant1	Low	2402	-1.39	-49	≤ -21.39	PASS
2DH5	Ant1	High	2480	-2.14	-56.78	≤ -22.14	PASS
2DH5	Ant1	Low	Hop_2402	-2.07	-52.28	≤ -22.07	PASS
2DH5	Ant1	High	Hop_2480	-2.81	-54.52	≤ -22.81	PASS
3DH5	Ant1	Low	2402	-1.29	-48.53	≤ -21.29	PASS
3DH5	Ant1	High	2480	-2.11	-56.2	≤ -22.11	PASS
3DH5	Ant1	Low	Hop_2402	-4.72	-51.54	≤ -24.72	PASS
3DH5	Ant1	High	Hop_2480	-4.02	-56.64	≤ -24.02	PASS

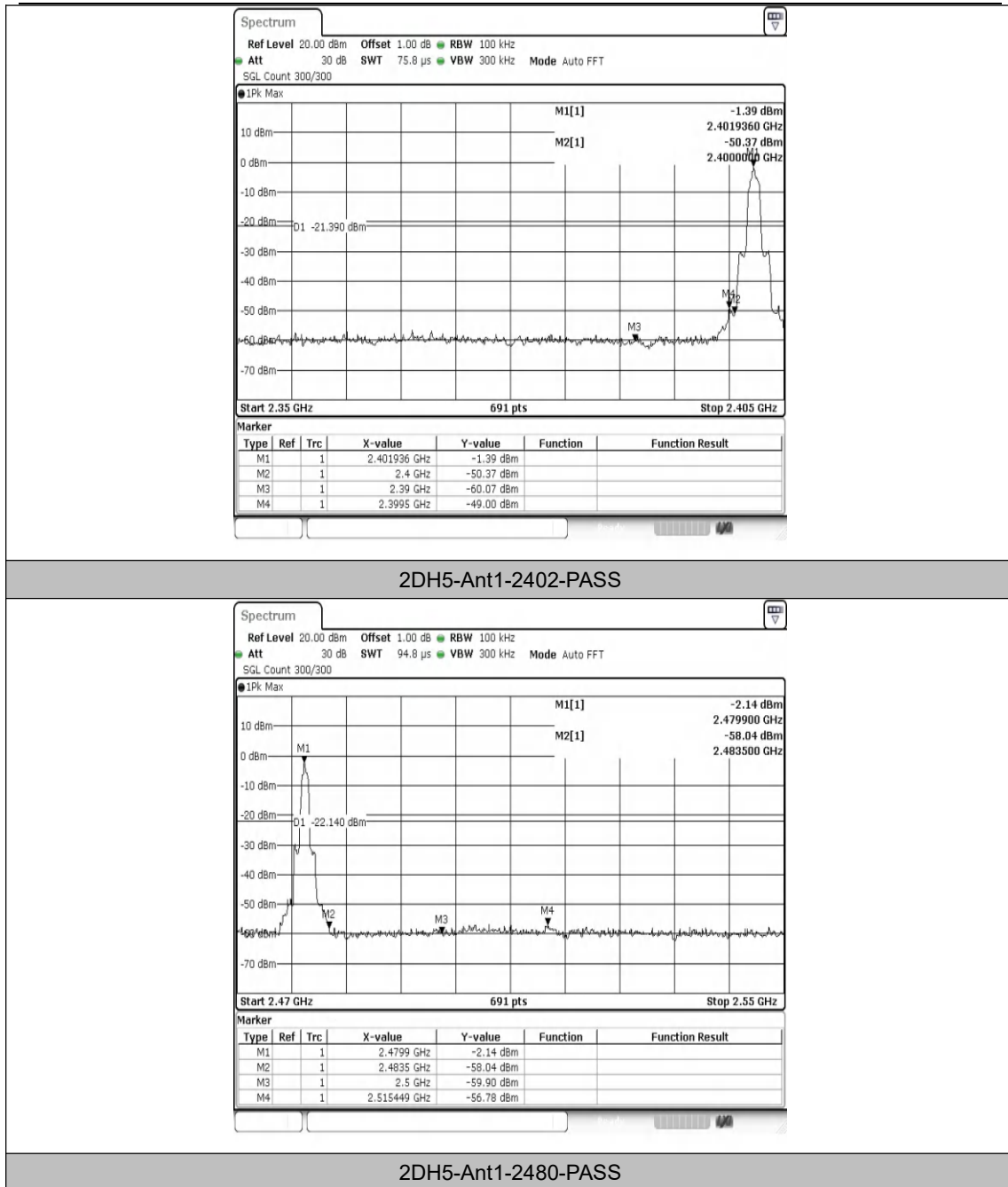
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

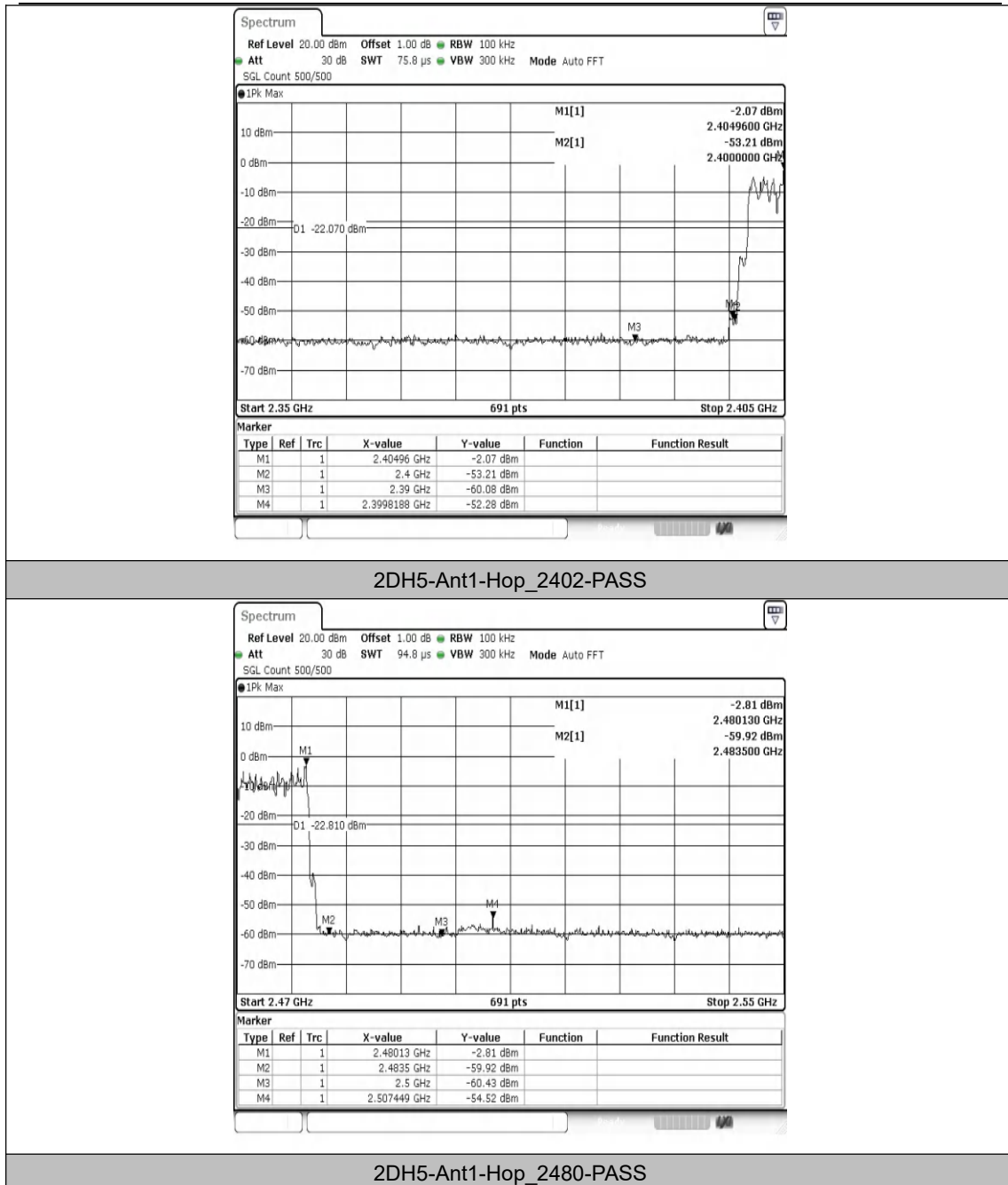


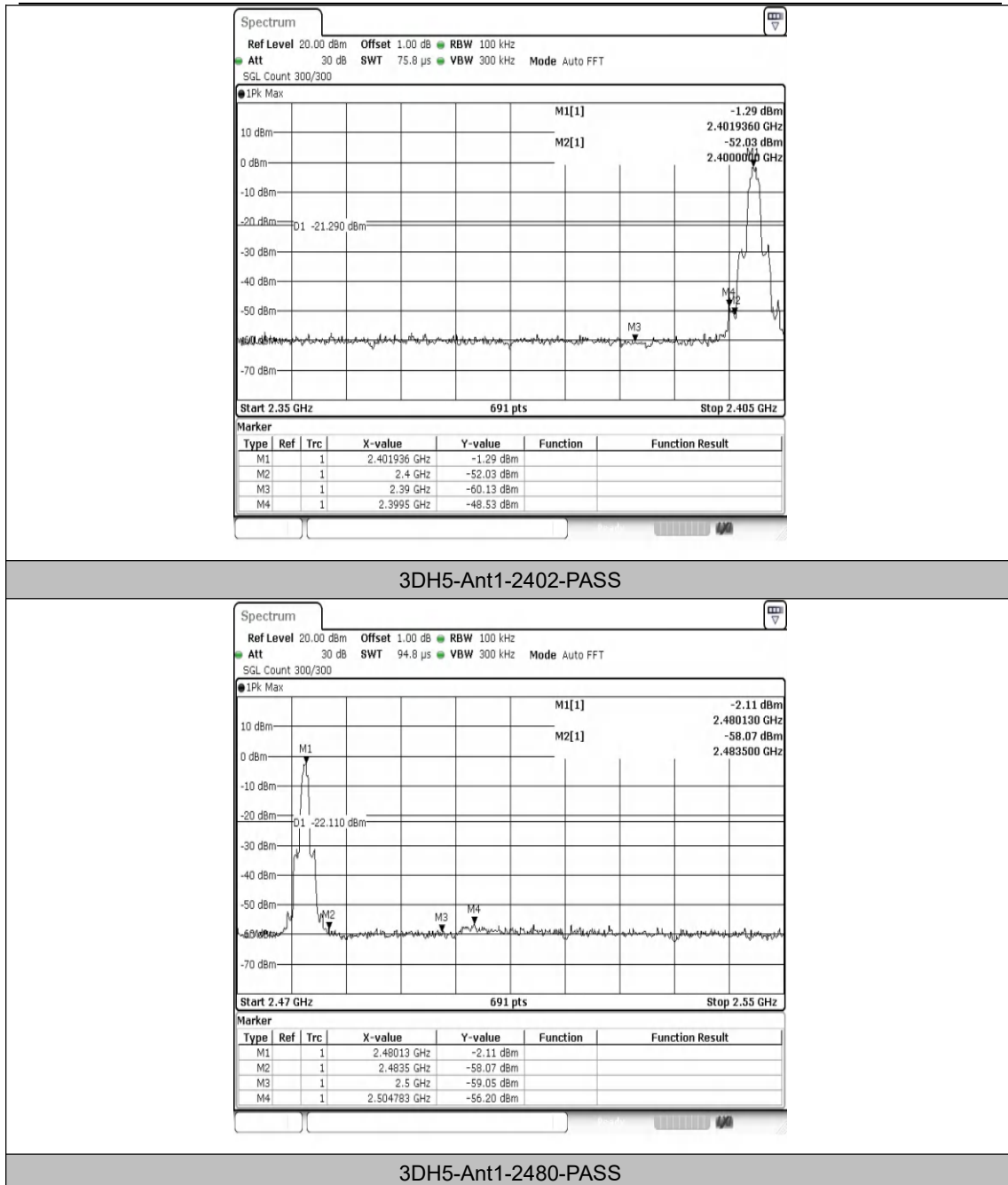
Test Graphs

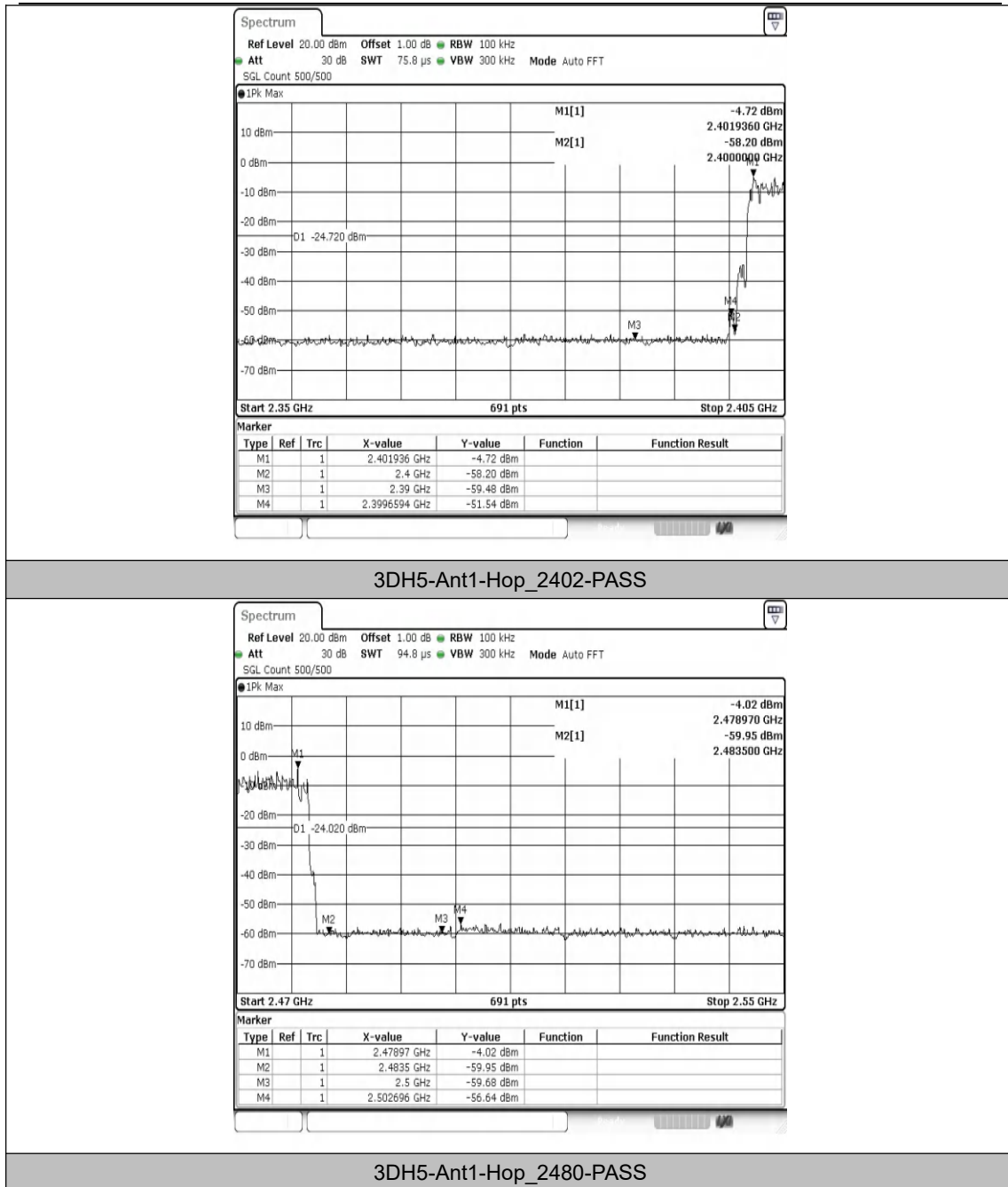












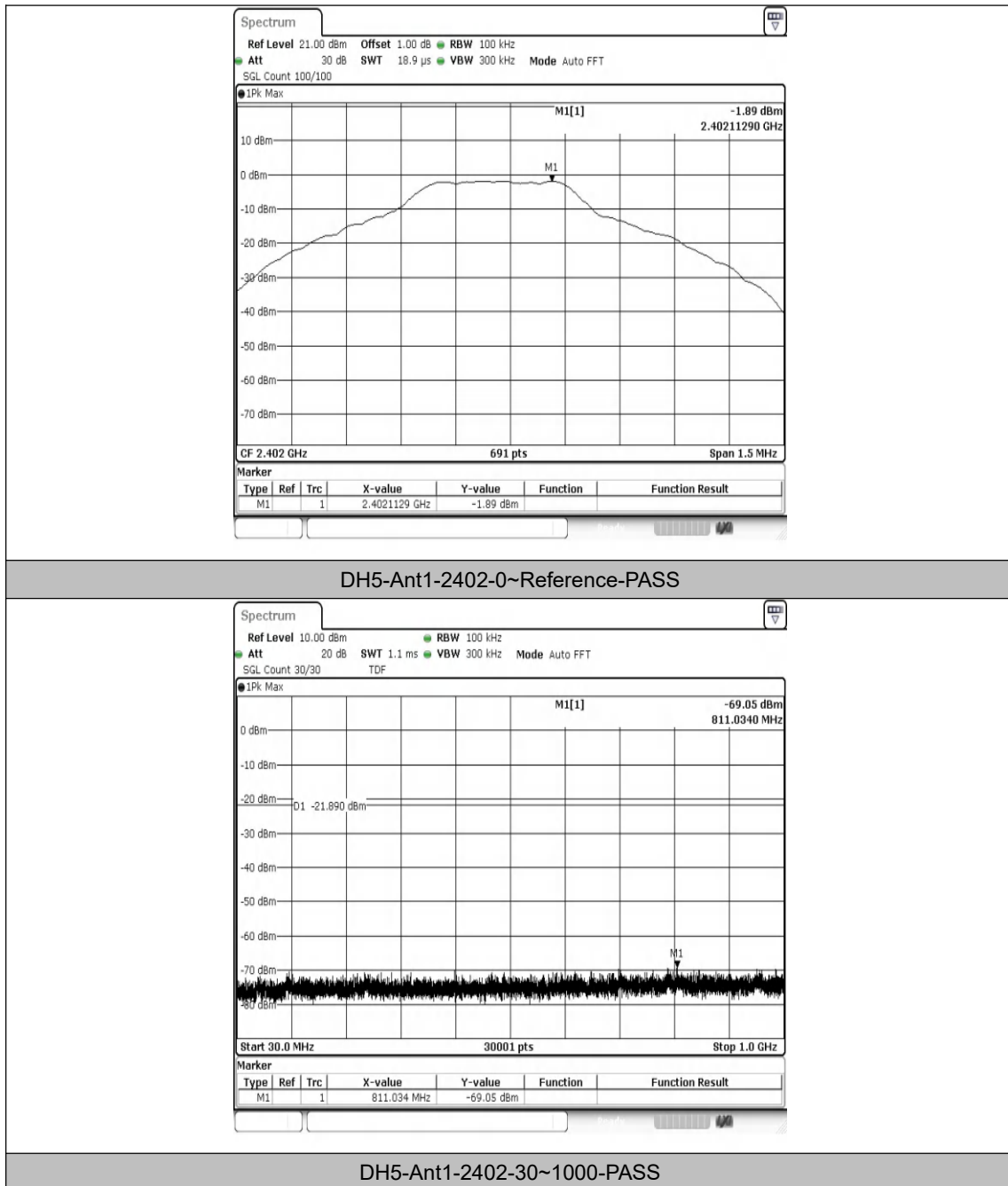
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.89	-1.89	---	PASS
DH5	Ant1	2402	30~1000	-1.89	-69.05	≤-21.89	PASS
DH5	Ant1	2402	1000~26500	-1.89	-45.71	≤-21.89	PASS
DH5	Ant1	2441	0~Reference	-2.04	-2.04	---	PASS
DH5	Ant1	2441	30~1000	-2.04	-68.97	≤-22.04	PASS
DH5	Ant1	2441	1000~26500	-2.04	-46.34	≤-22.04	PASS
DH5	Ant1	2480	0~Reference	-2.48	-2.48	---	PASS
DH5	Ant1	2480	30~1000	-2.48	-67.47	≤-22.48	PASS
DH5	Ant1	2480	1000~26500	-2.48	-46.08	≤-22.48	PASS
2DH5	Ant1	2402	0~Reference	-1.35	-1.35	---	PASS
2DH5	Ant1	2402	30~1000	-1.35	-69.6	≤-21.35	PASS
2DH5	Ant1	2402	1000~26500	-1.35	-48.47	≤-21.35	PASS
2DH5	Ant1	2441	0~Reference	-4.77	-4.77	---	PASS
2DH5	Ant1	2441	30~1000	-4.77	-69.21	≤-24.77	PASS
2DH5	Ant1	2441	1000~26500	-4.77	-46.08	≤-24.77	PASS
2DH5	Ant1	2480	0~Reference	-3.30	-3.30	---	PASS
2DH5	Ant1	2480	30~1000	-3.30	-68.47	≤-23.3	PASS
2DH5	Ant1	2480	1000~26500	-3.30	-45.27	≤-23.3	PASS
3DH5	Ant1	2402	0~Reference	-2.08	-2.08	---	PASS
3DH5	Ant1	2402	30~1000	-2.08	-68.78	≤-22.08	PASS
3DH5	Ant1	2402	1000~26500	-2.08	-48.23	≤-22.08	PASS
3DH5	Ant1	2441	0~Reference	-1.95	-1.95	---	PASS
3DH5	Ant1	2441	30~1000	-1.95	-69.09	≤-21.95	PASS
3DH5	Ant1	2441	1000~26500	-1.95	-46.29	≤-21.95	PASS
3DH5	Ant1	2480	0~Reference	-4.91	-4.91	---	PASS
3DH5	Ant1	2480	30~1000	-4.91	-68.26	≤-24.91	PASS
3DH5	Ant1	2480	1000~26500	-4.91	-45.76	≤-24.91	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factor s have been set in the 'TDF' of the Spectrum Analyzer during the test.

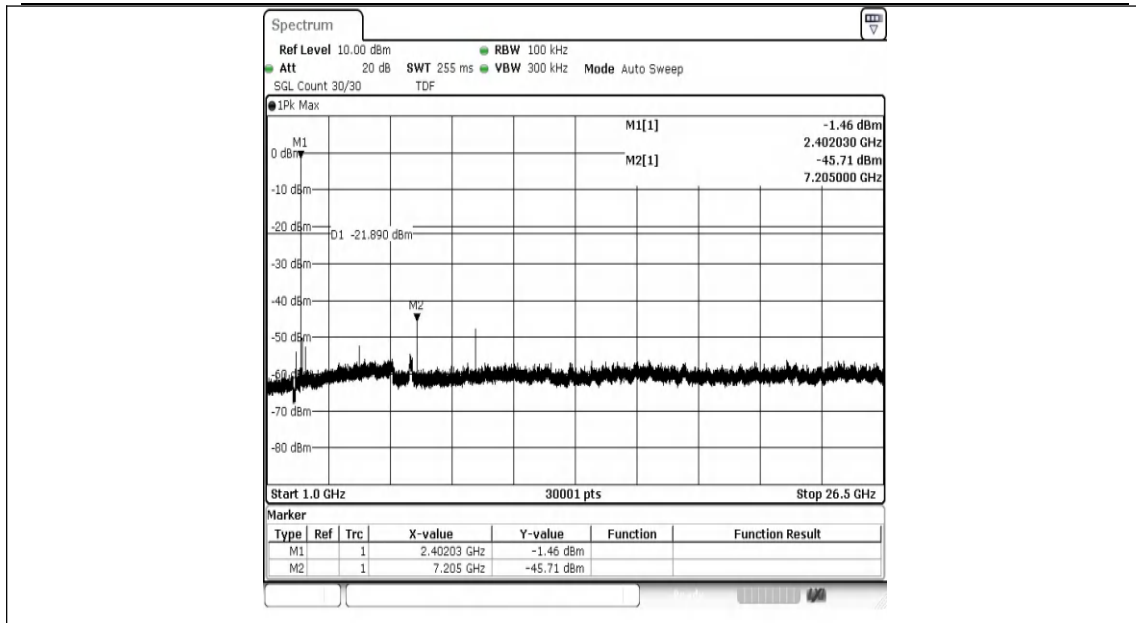
Test Graphs



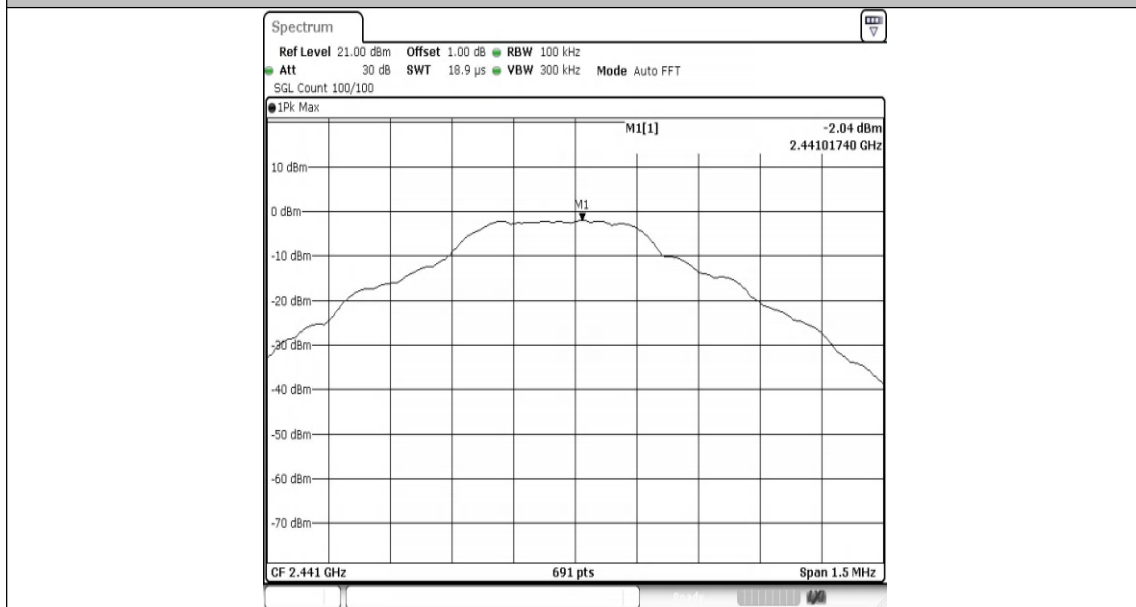
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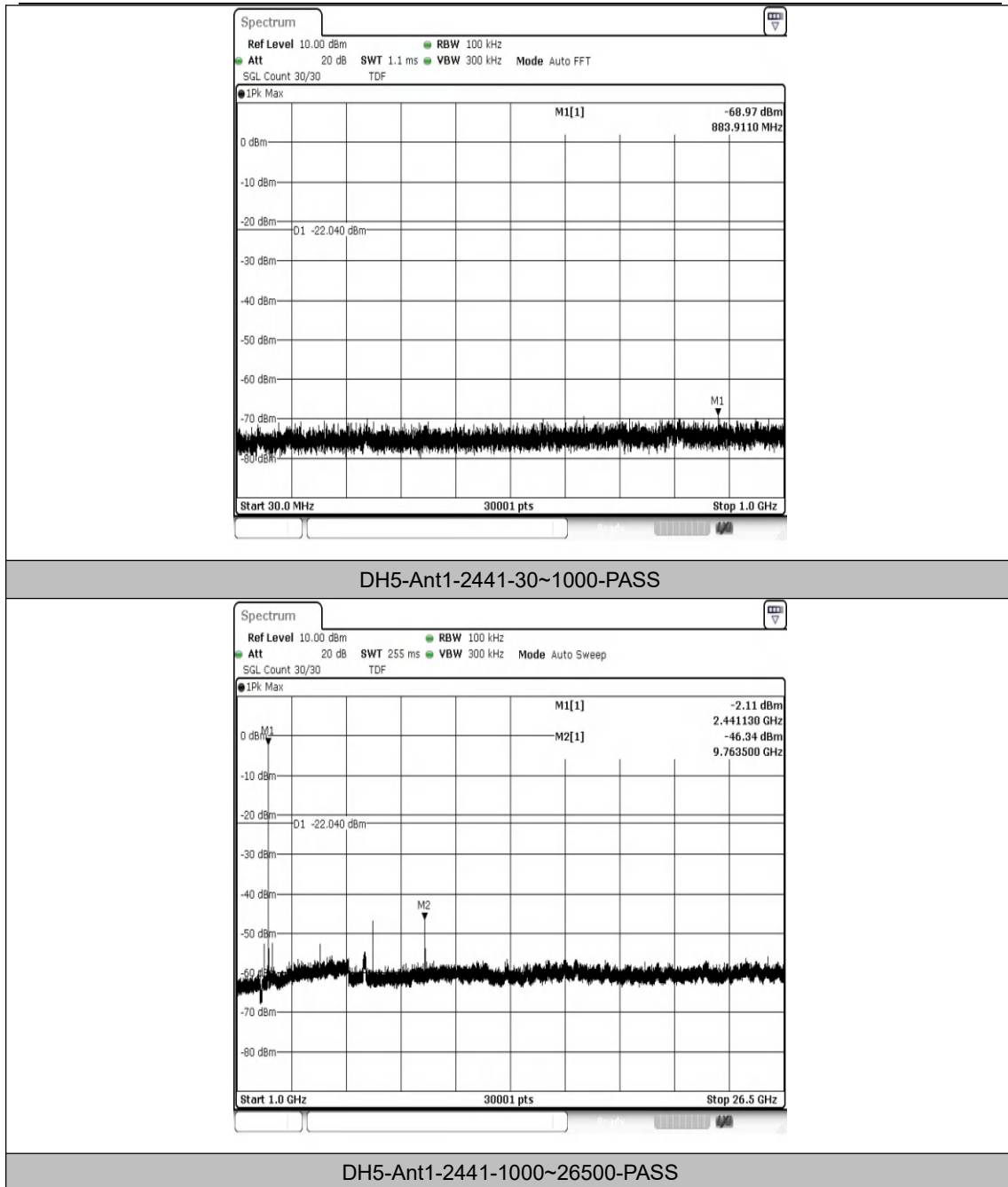
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DH5-Ant1-2402-1000~26500-PASS



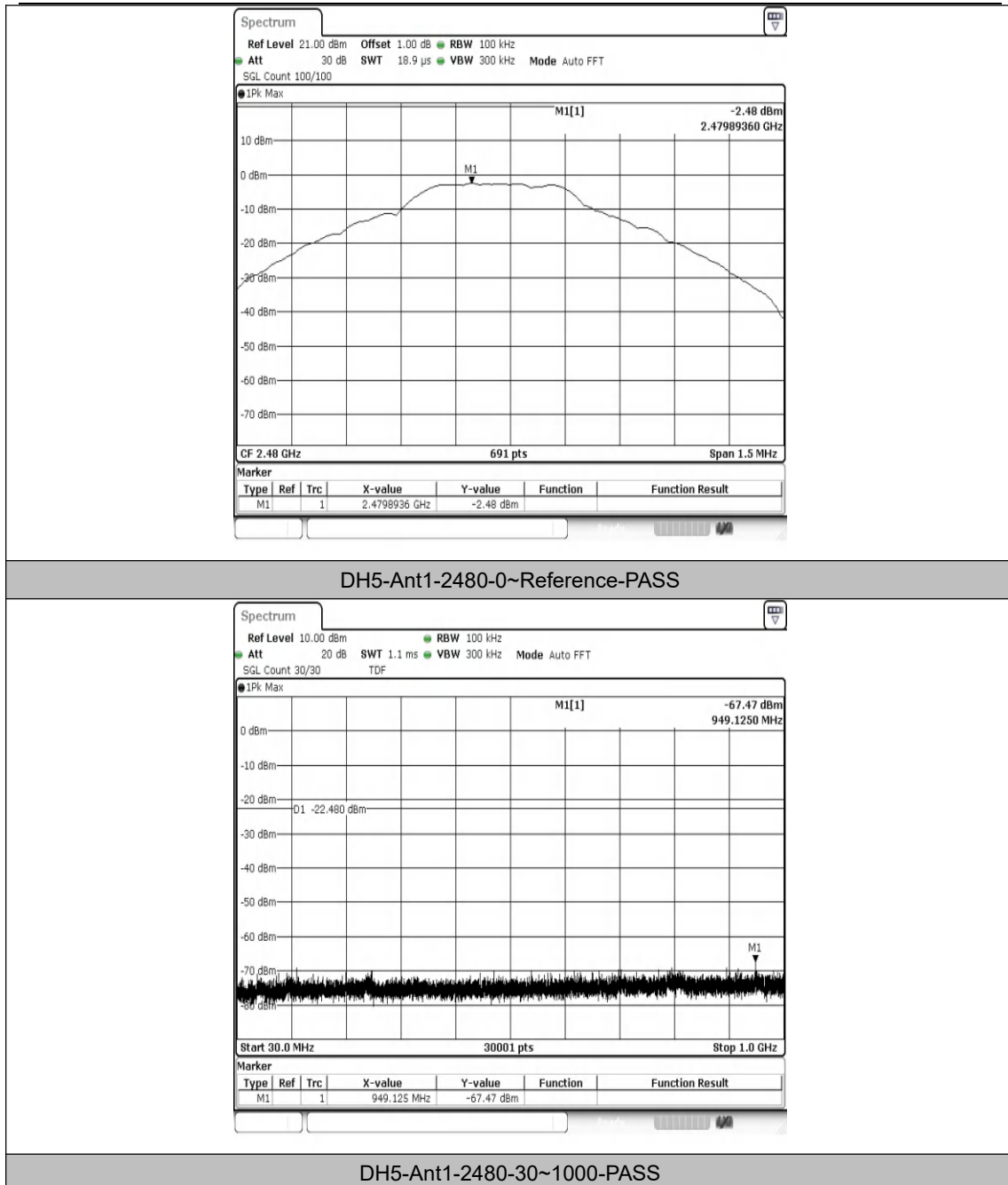
DH5-Ant1-2441-0~Reference-PASS

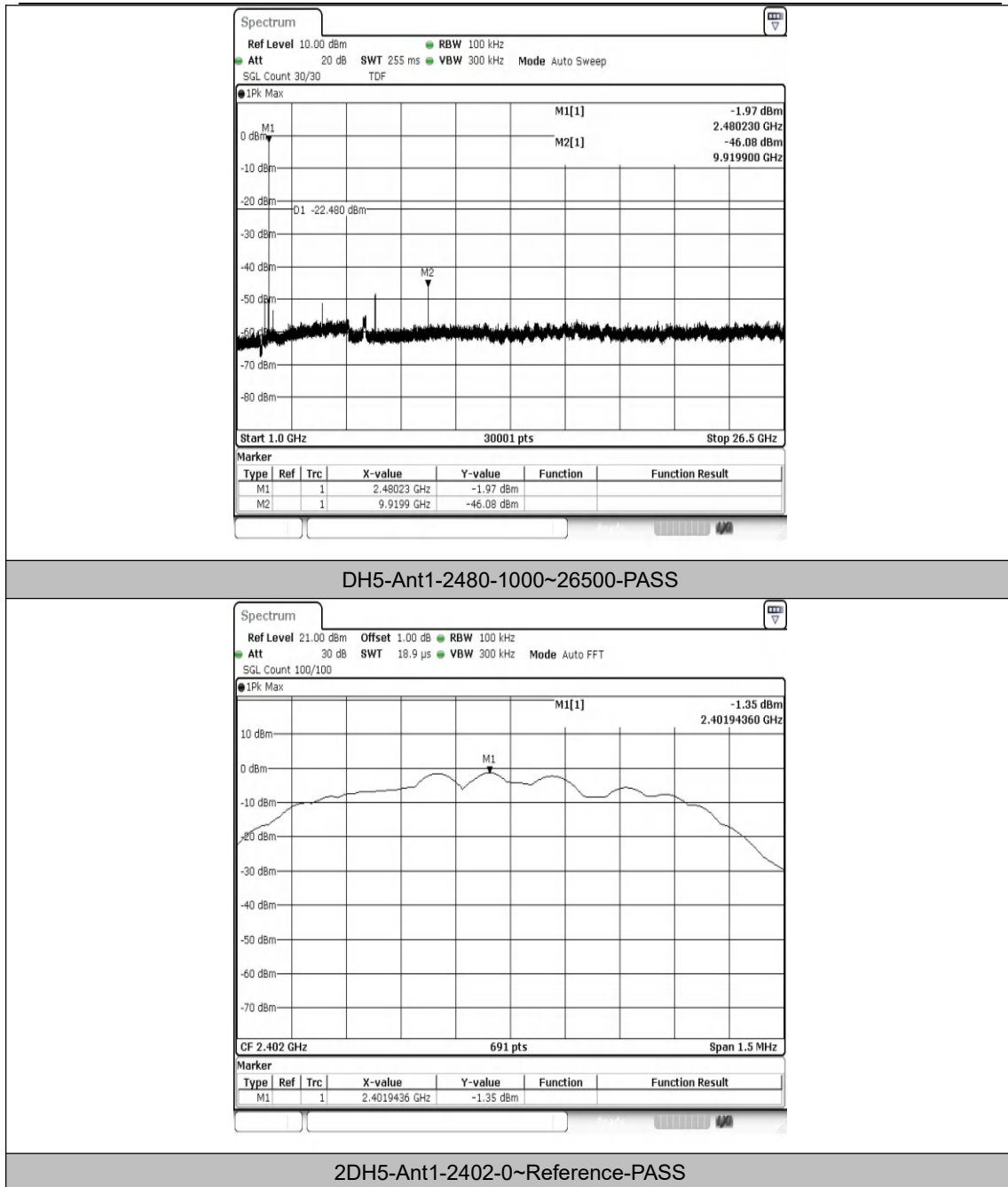


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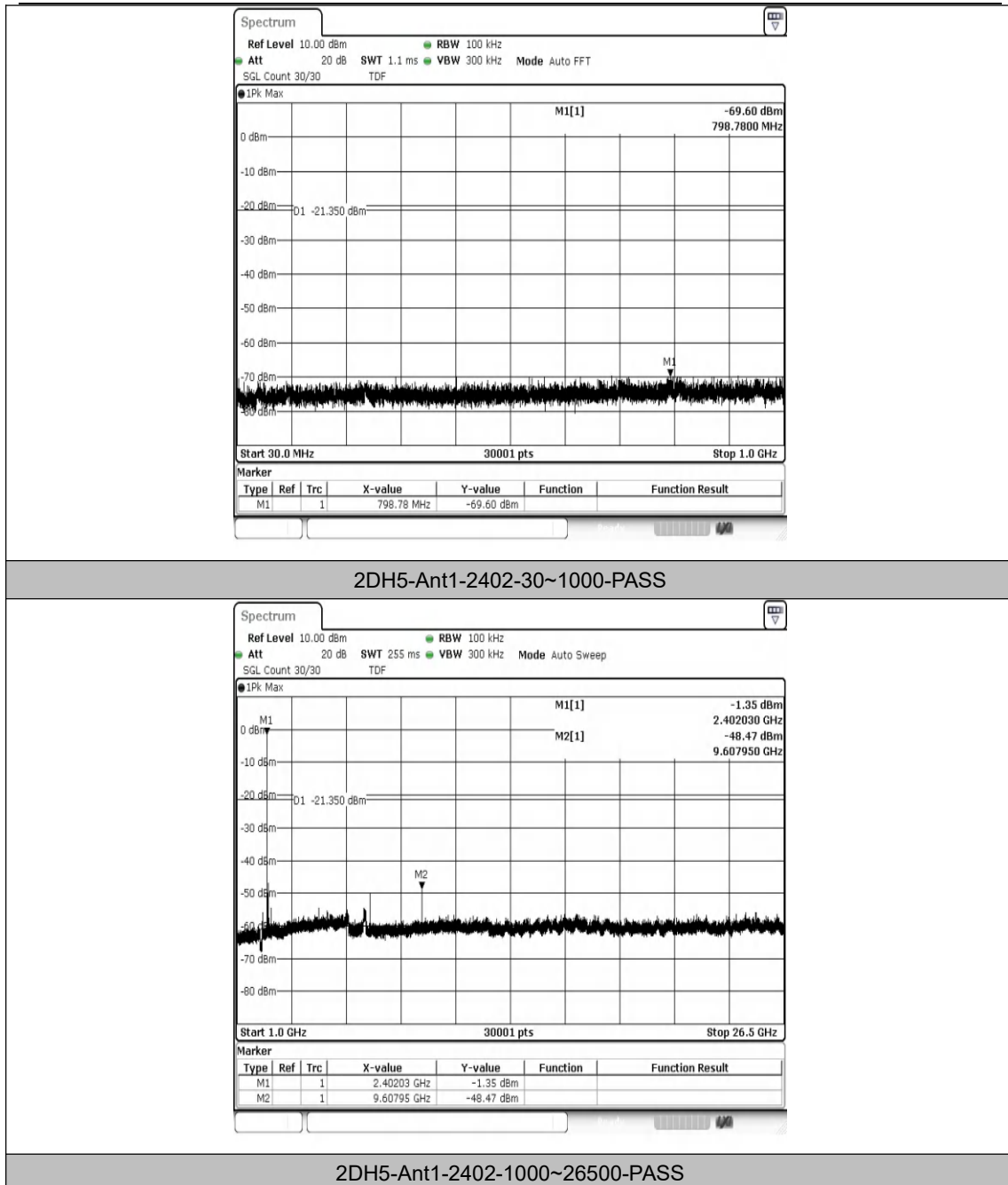




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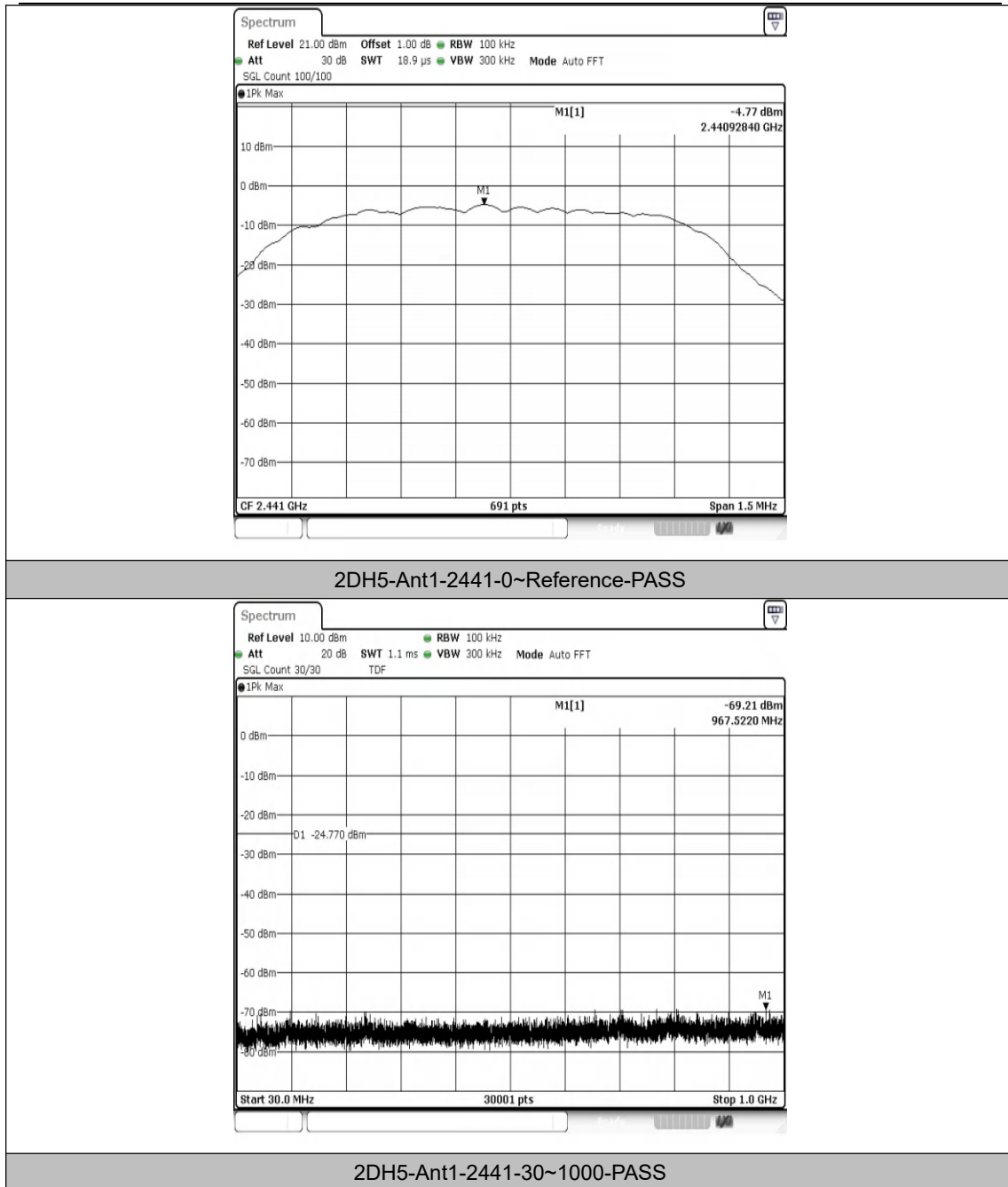
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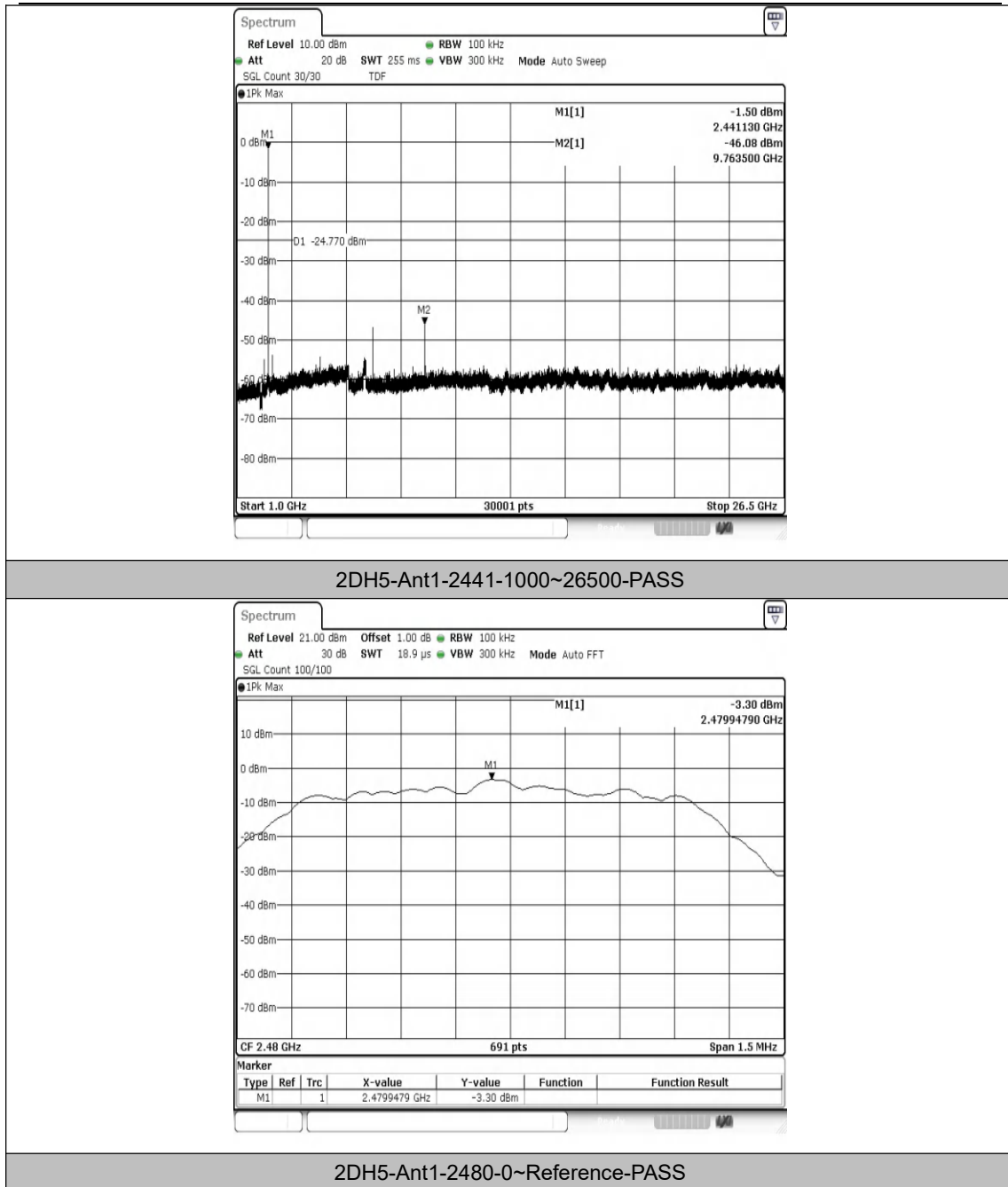
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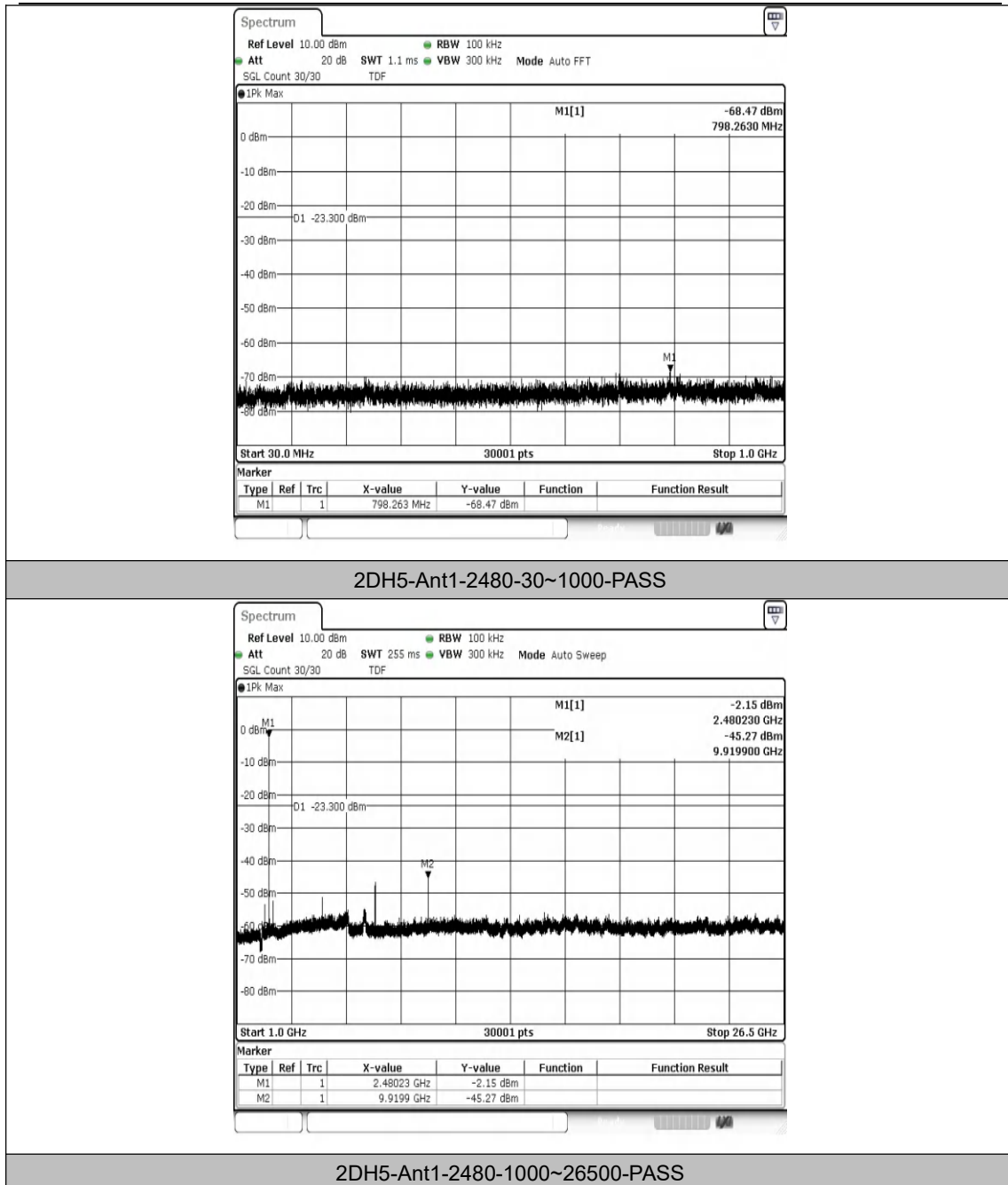
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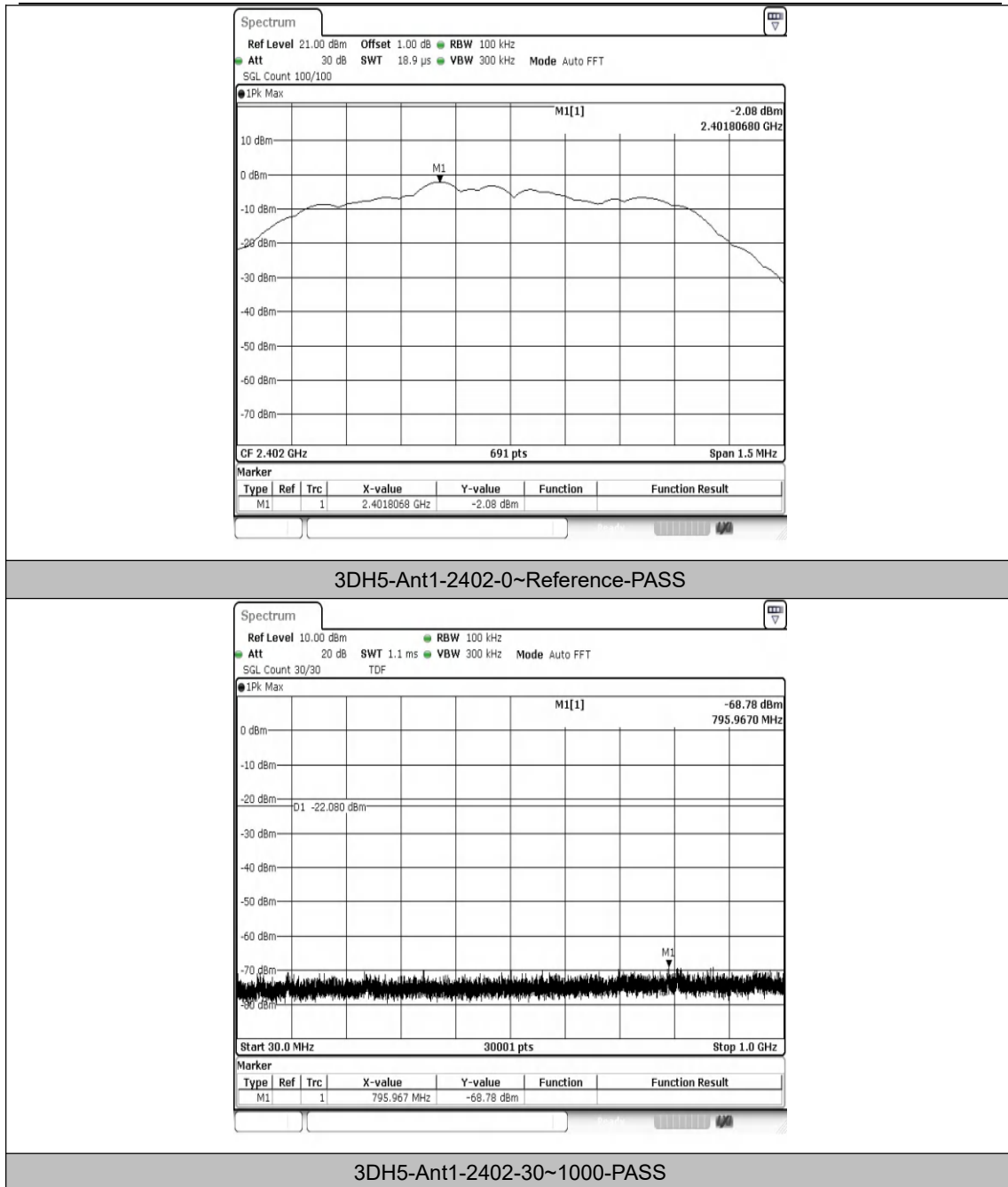


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Tel:(86)0755-26066440 Email:service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

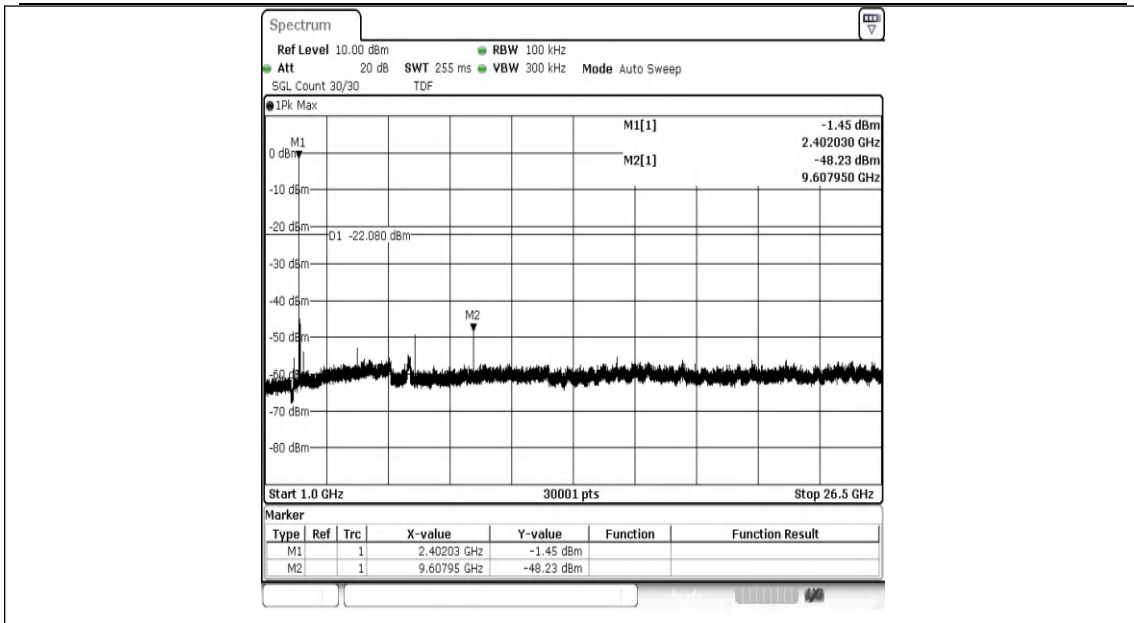




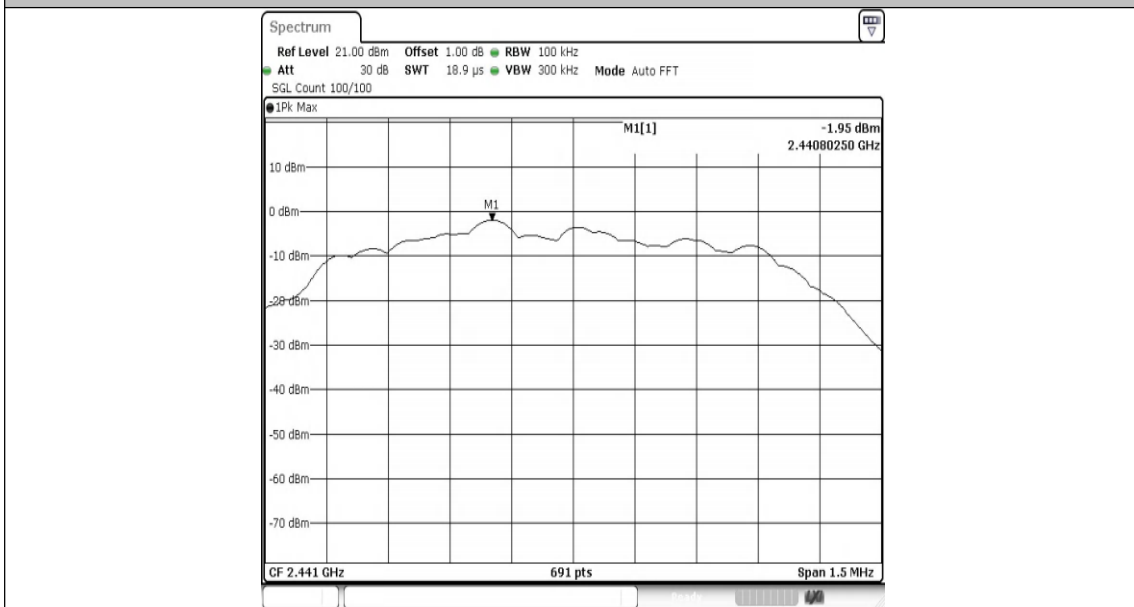
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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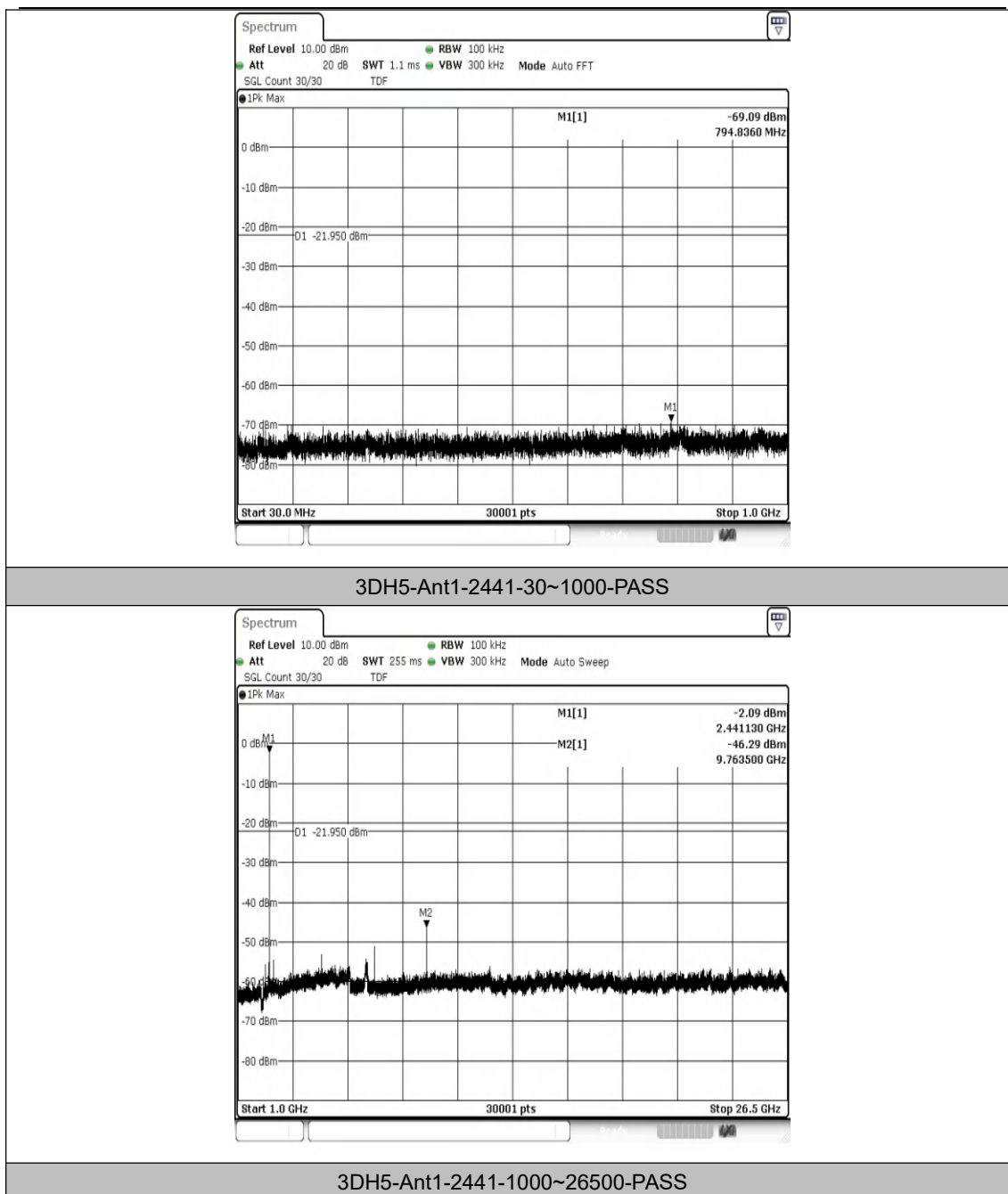
Hotline
400-003-0500
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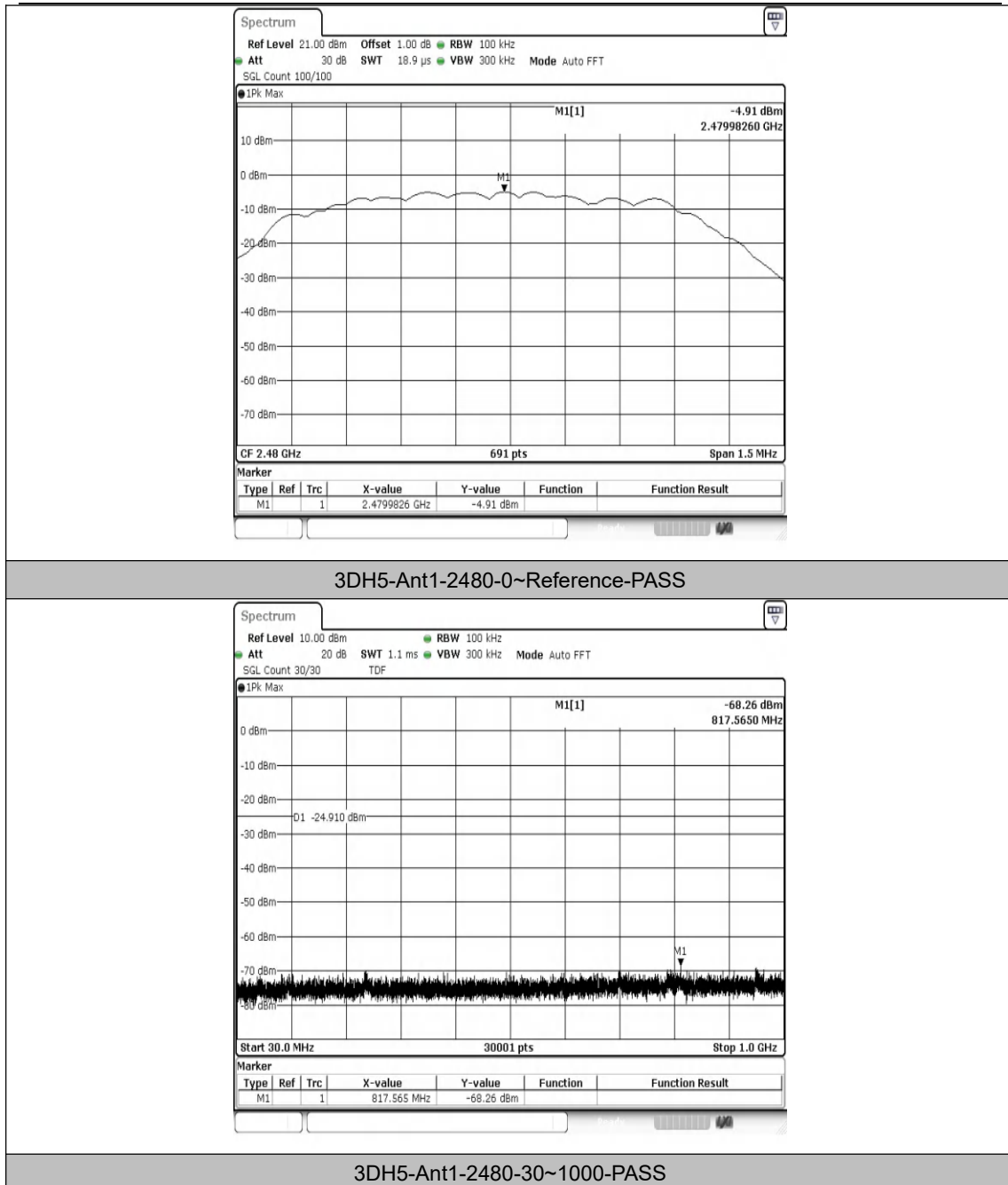


3DH5-Ant1-2402-1000~26500-PASS



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

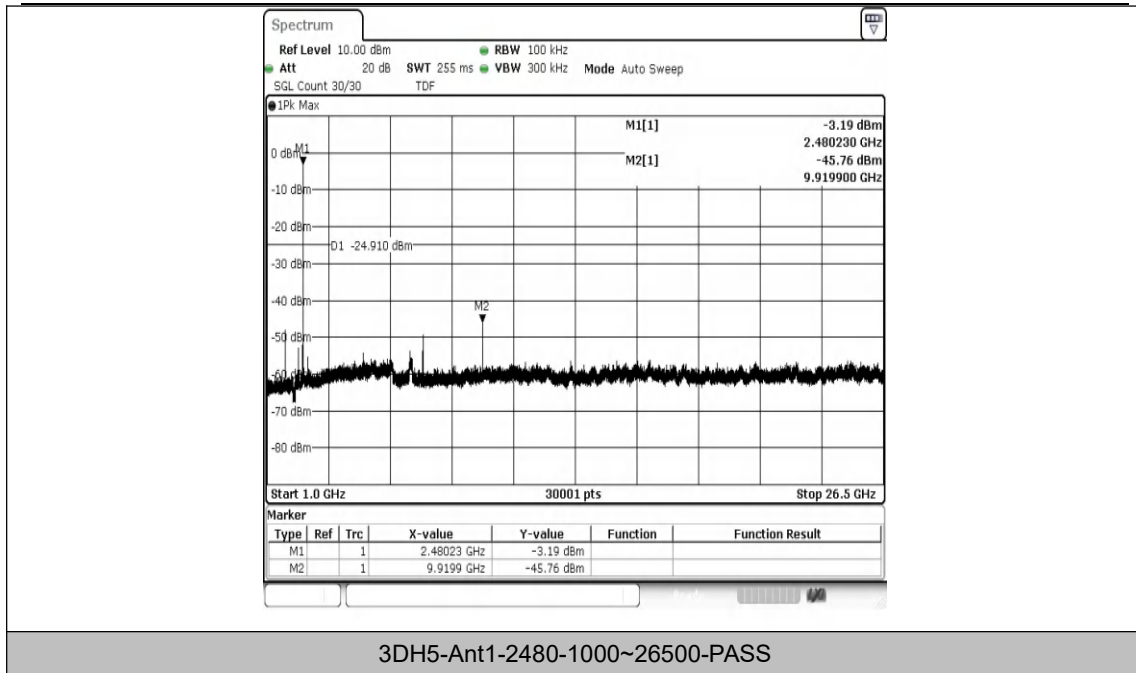




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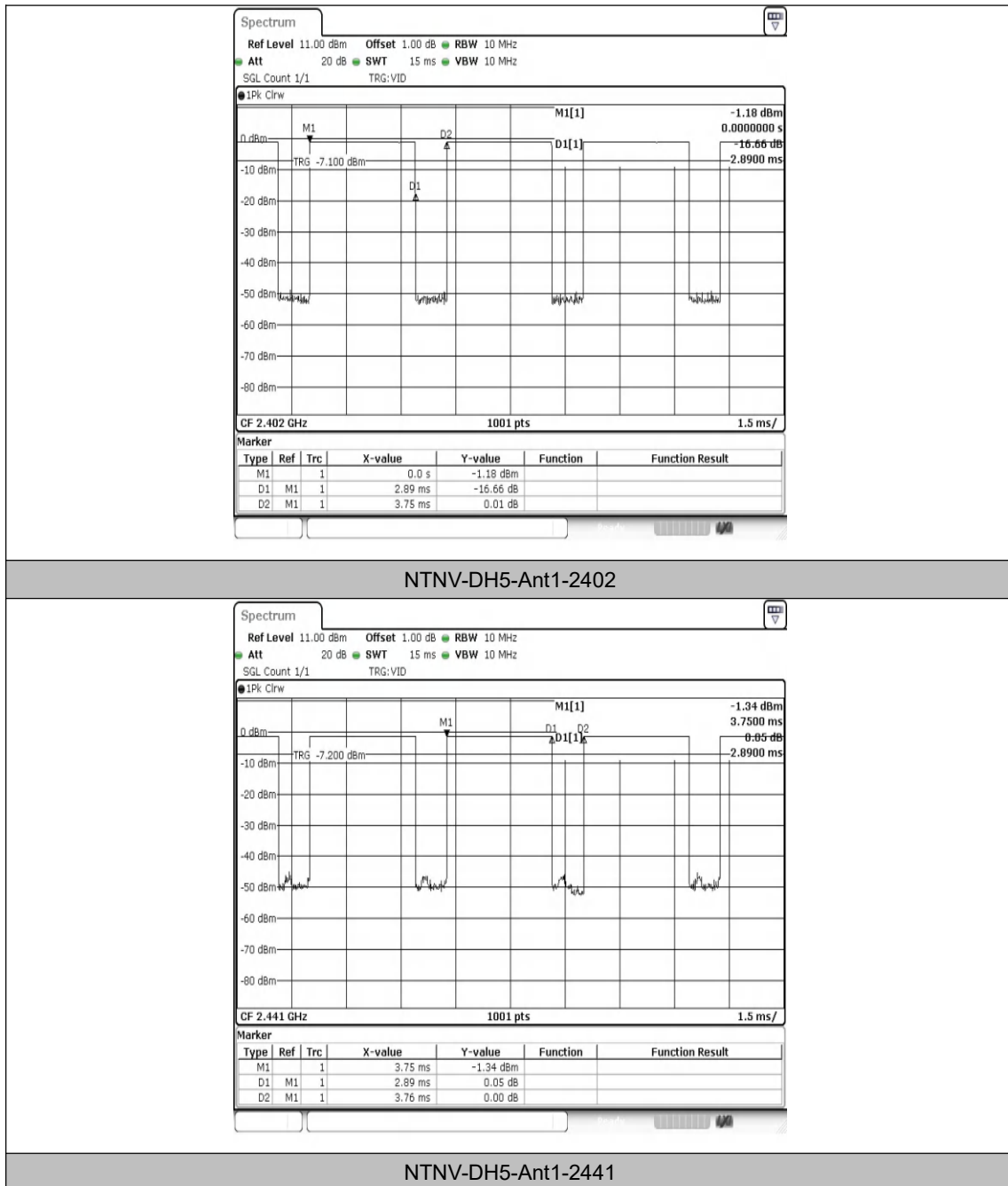
Appendix I: Duty Cycle

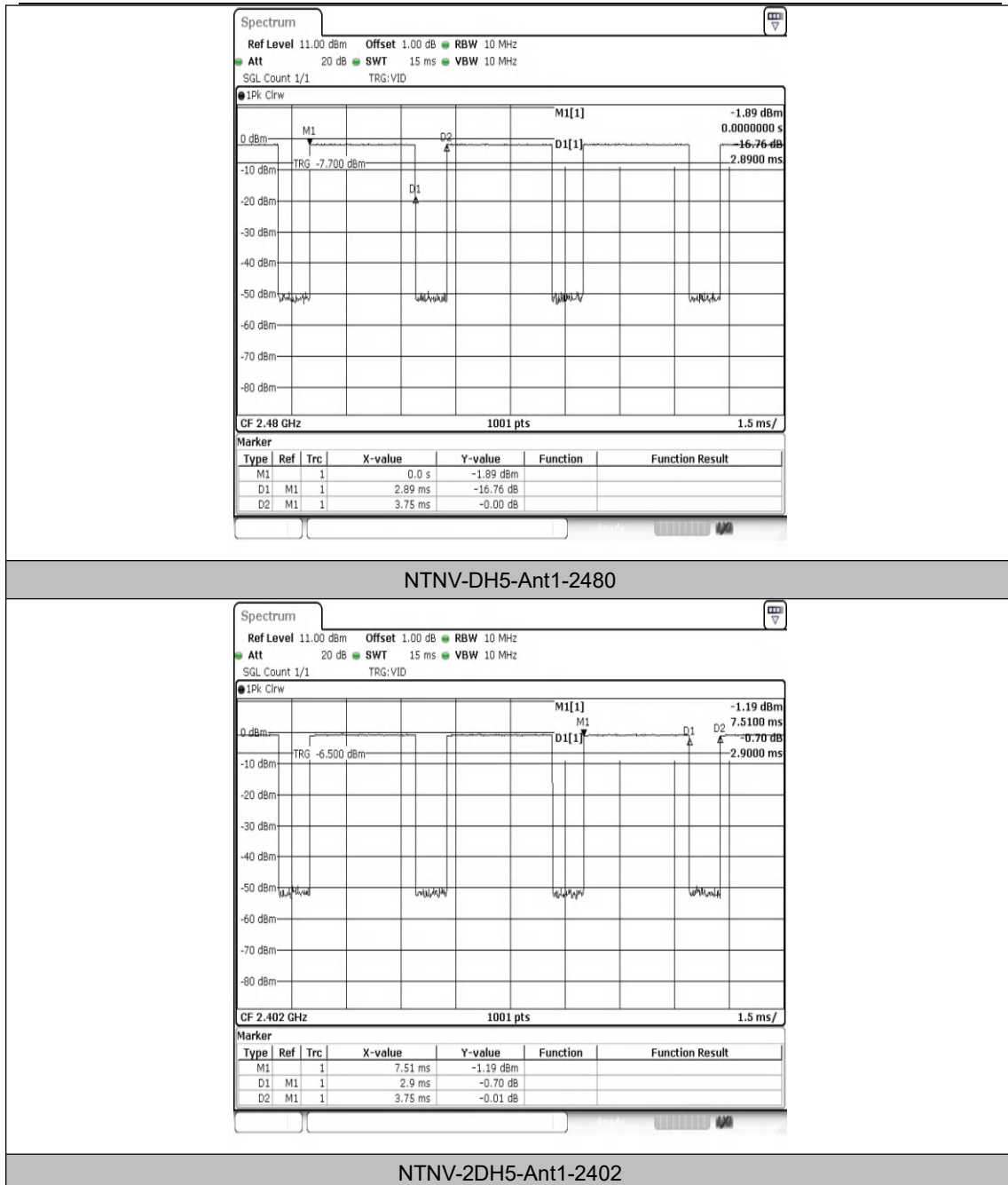
Test Result

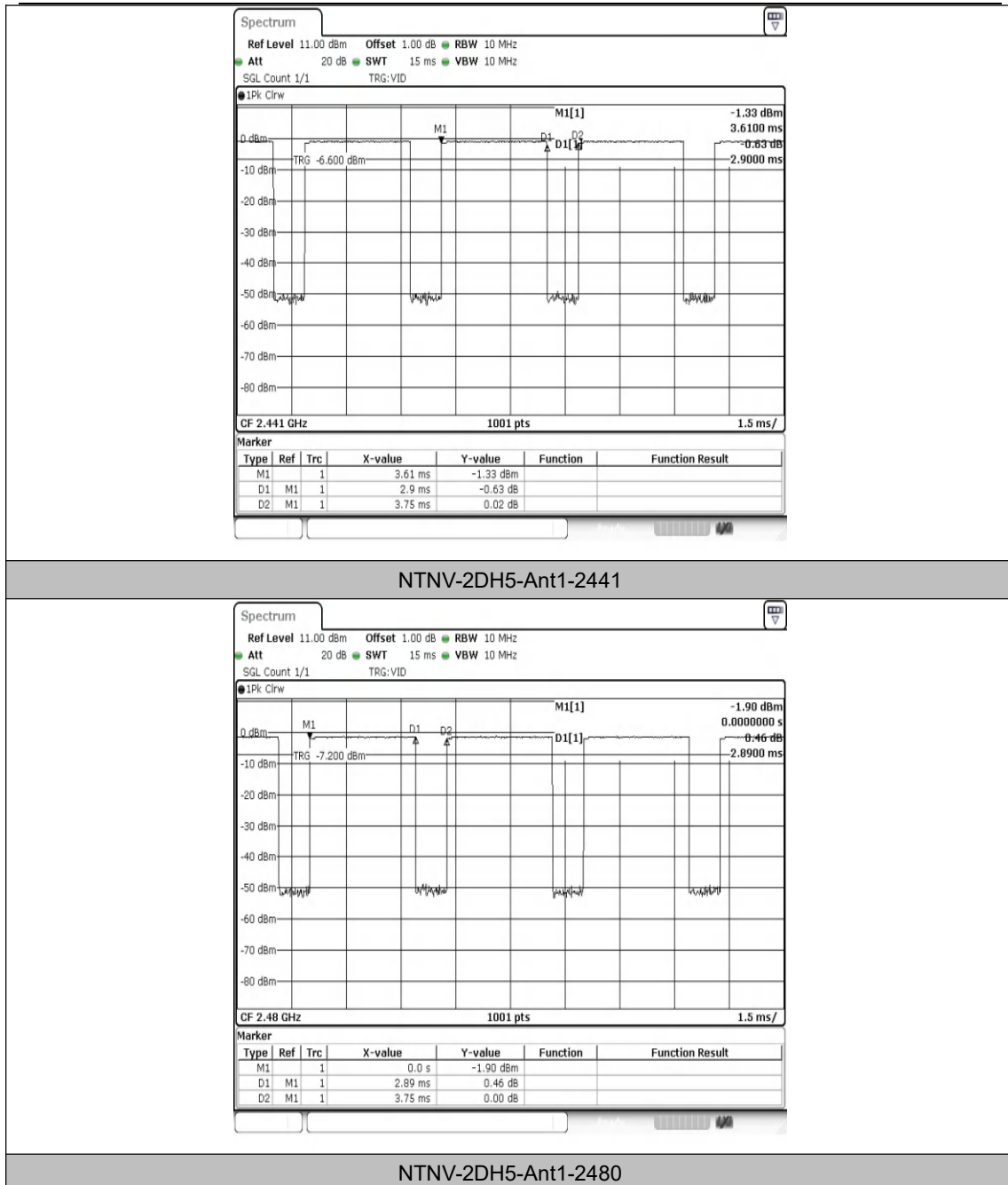
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.76	76.86	1.14
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.89	3.75	77.07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

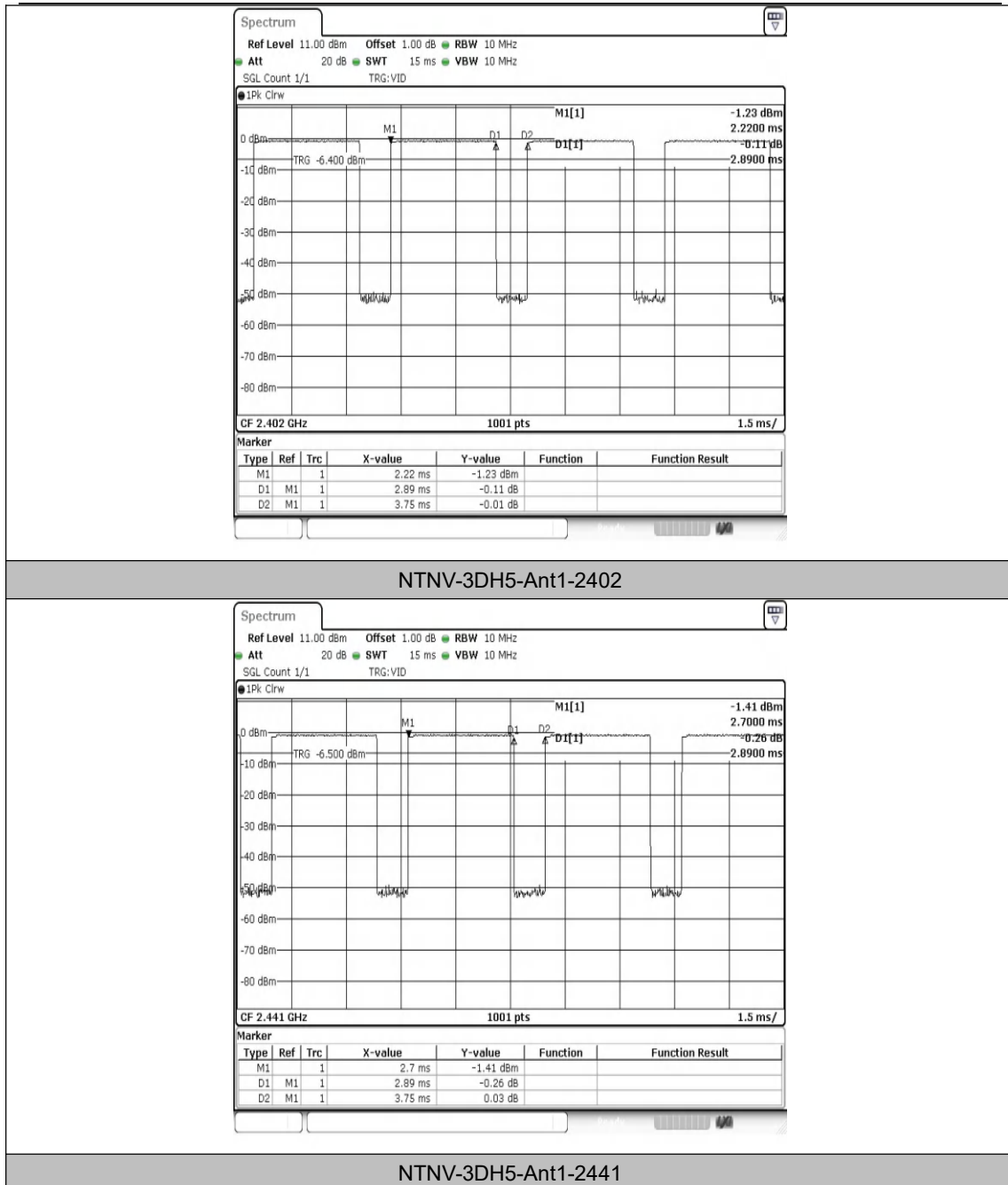


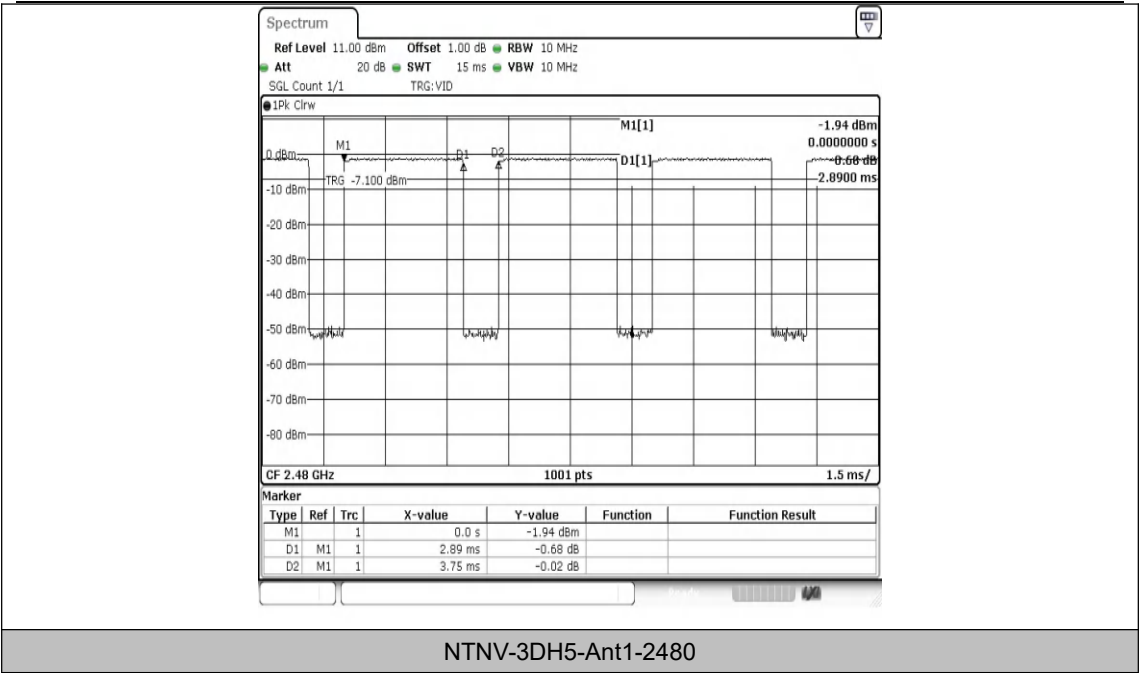
Test Graphs











---End---