

Appendix Test Data

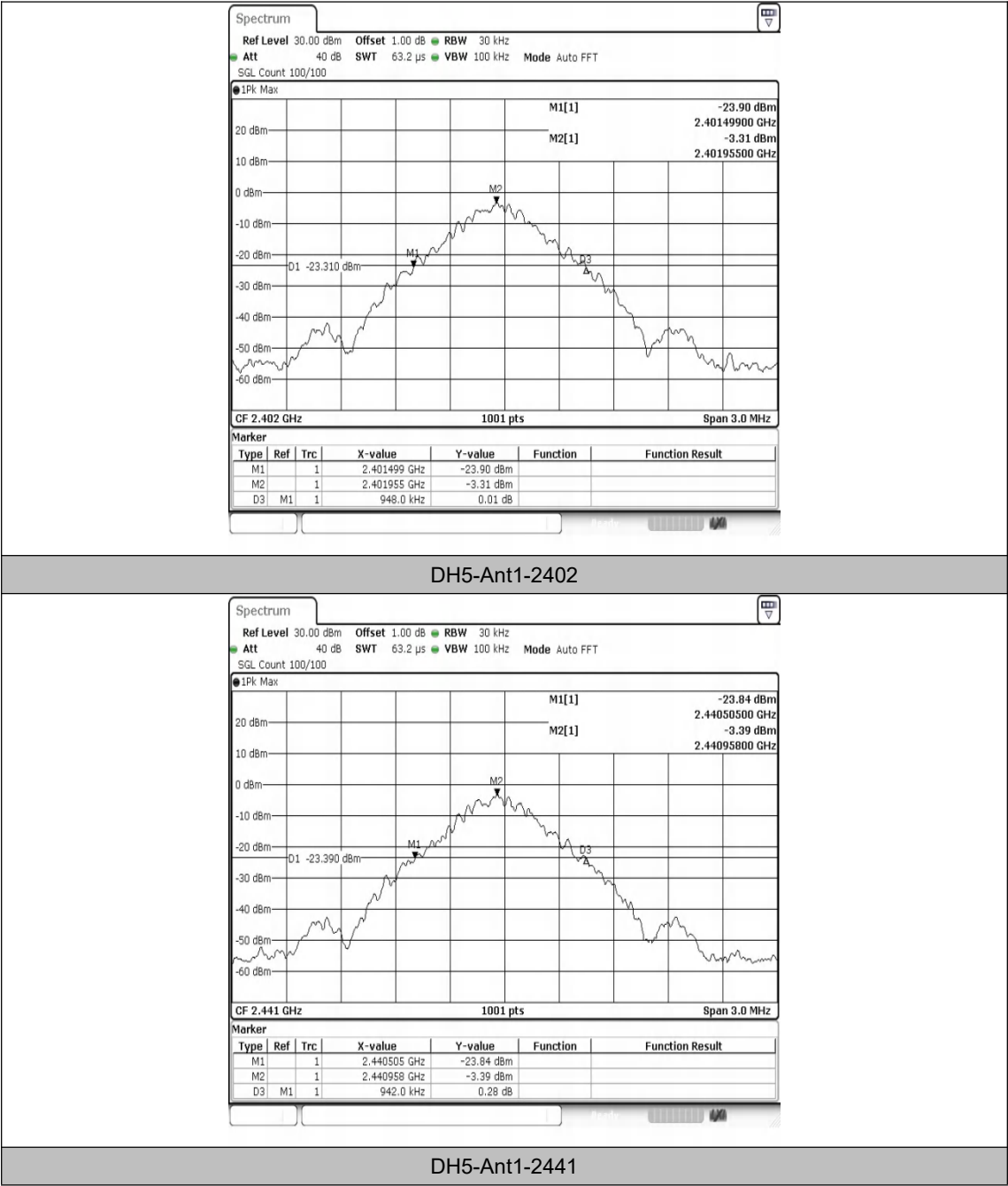
Report No.:	1812C50391512501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-7	Finish Test Date:	2025-8-15
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.9°C	Relative Humidity:	58%
Pressure:	101kPa		

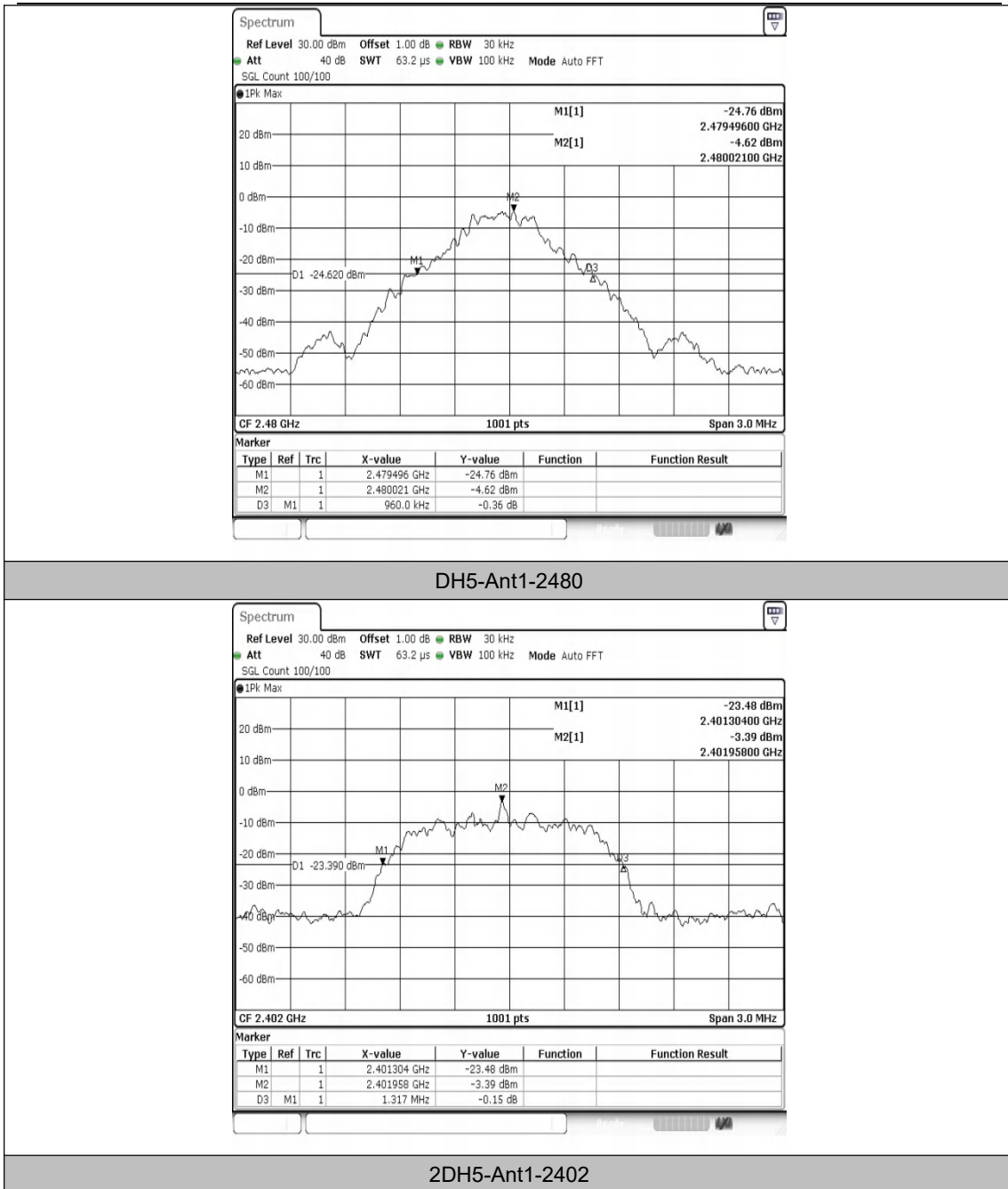
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.50	2402.45	---	---
DH5	Ant1	2441	0.94	2440.51	2441.45	---	---
DH5	Ant1	2480	0.96	2479.50	2480.46	---	---
2DH5	Ant1	2402	1.32	2401.30	2402.62	---	---
2DH5	Ant1	2441	1.31	2440.31	2441.62	---	---
2DH5	Ant1	2480	1.32	2479.30	2480.62	---	---
3DH5	Ant1	2402	1.32	2401.31	2402.63	---	---
3DH5	Ant1	2441	1.33	2440.30	2441.63	---	---
3DH5	Ant1	2480	1.31	2479.32	2480.62	---	---

Test Graphs

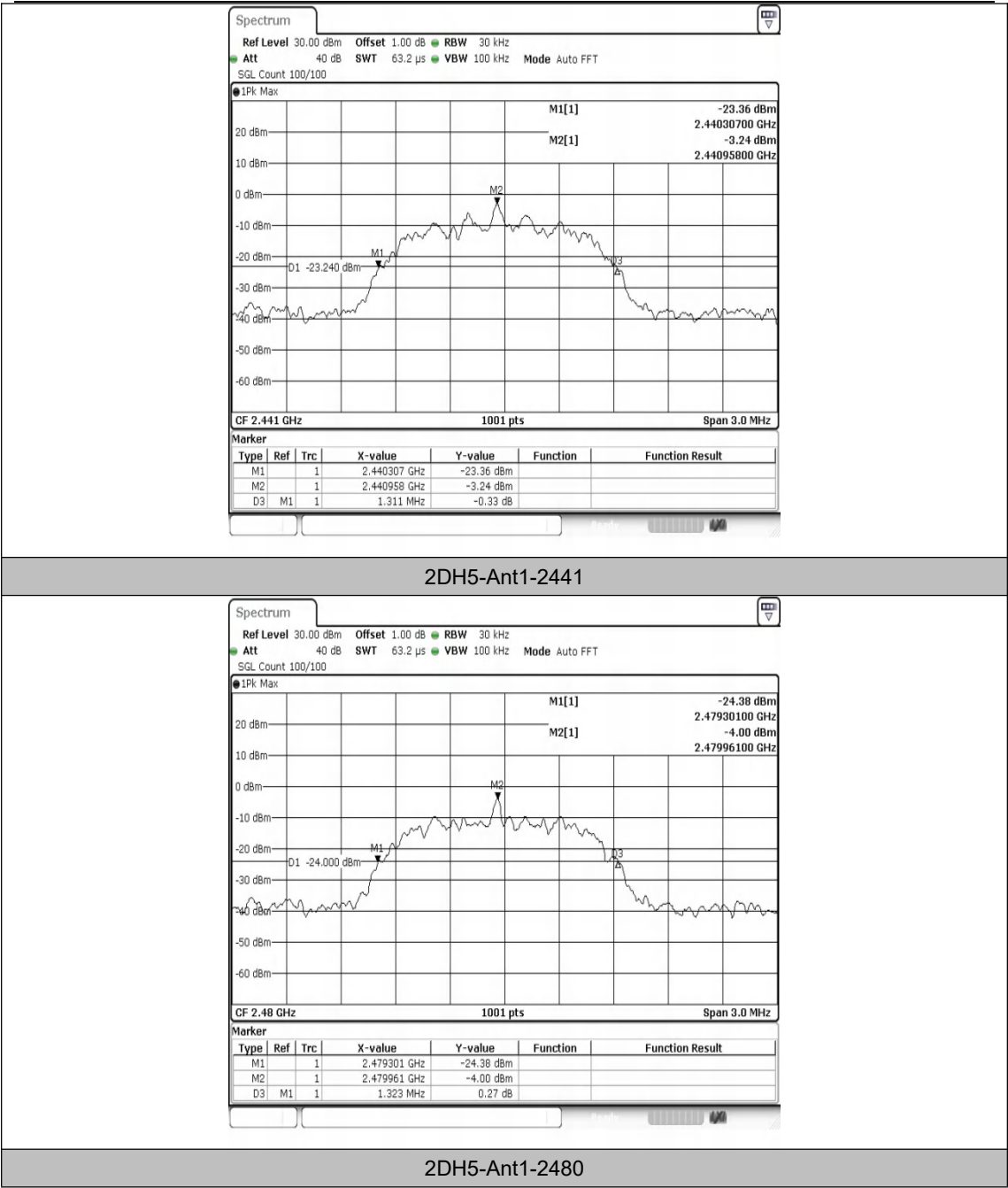


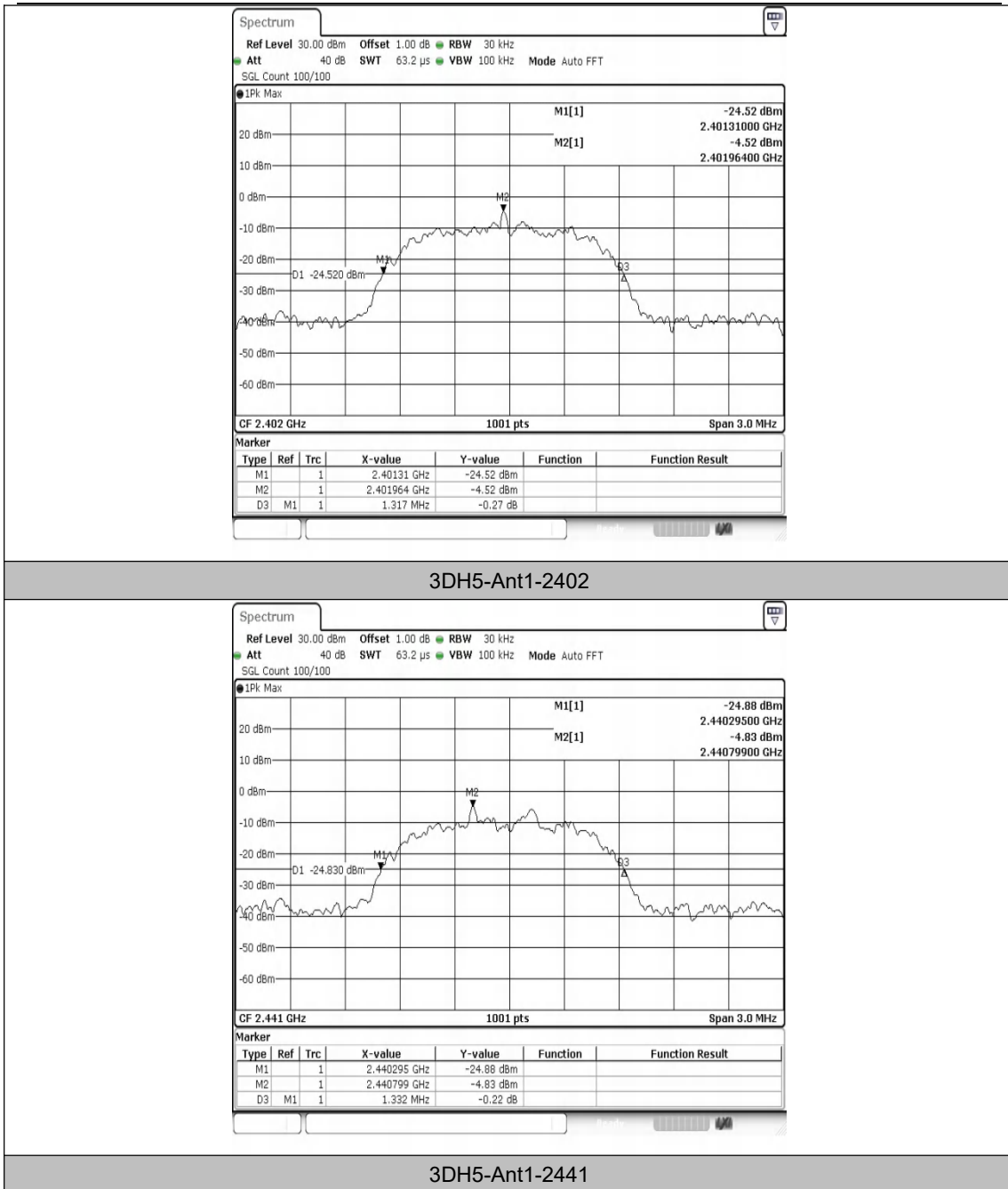


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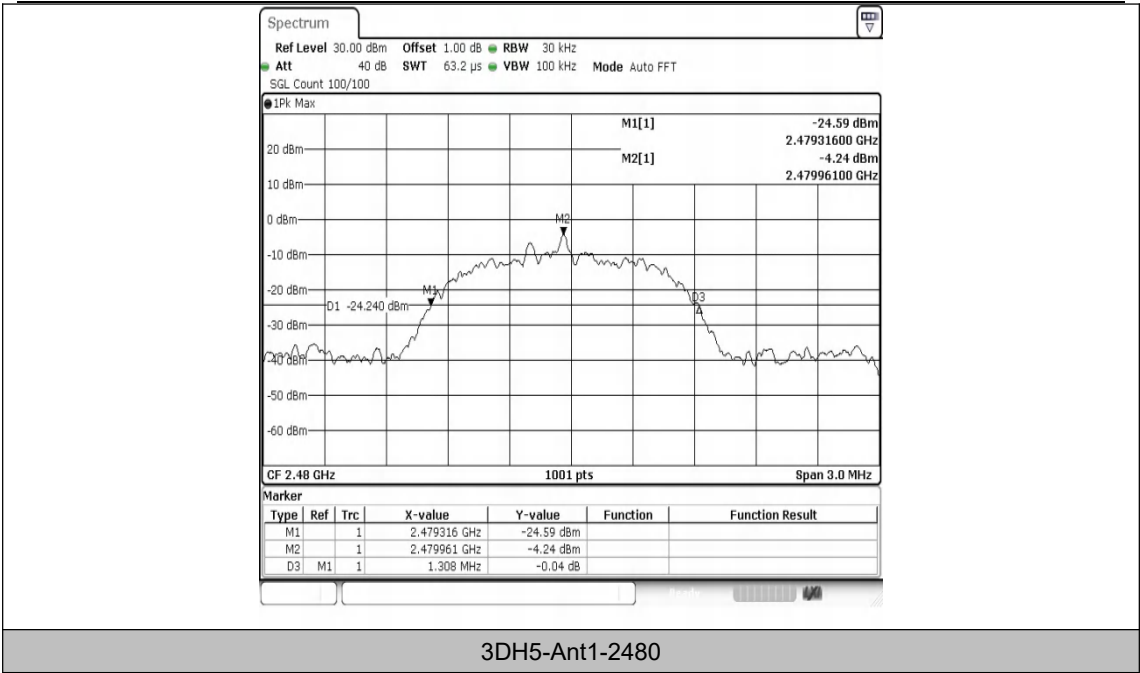




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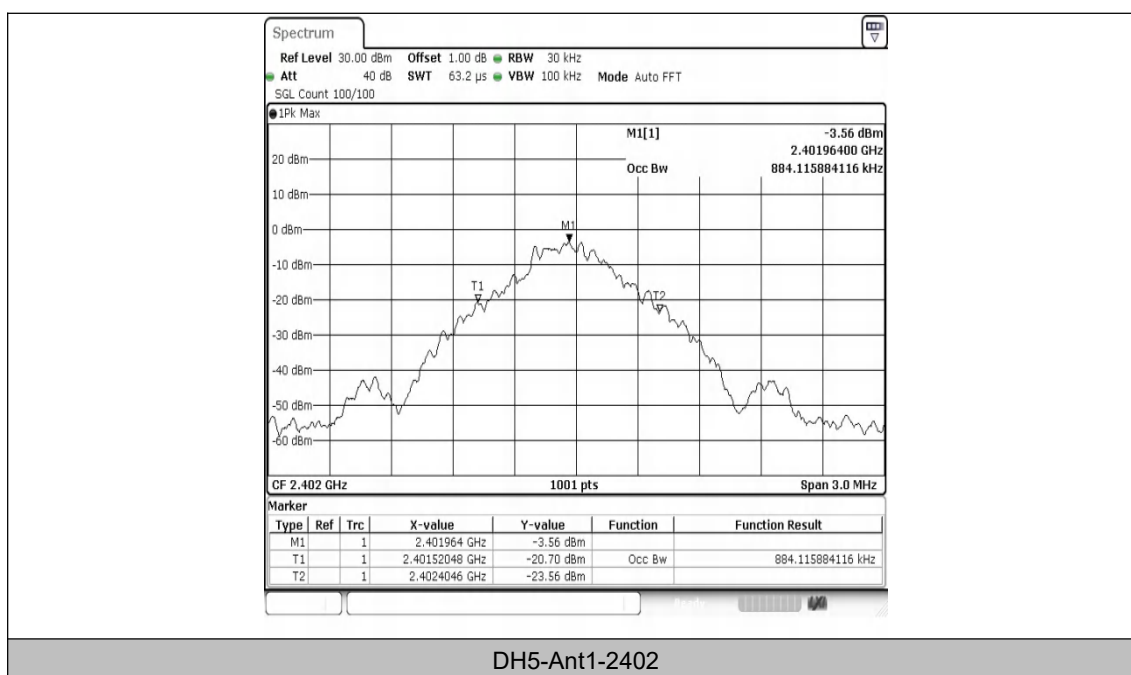
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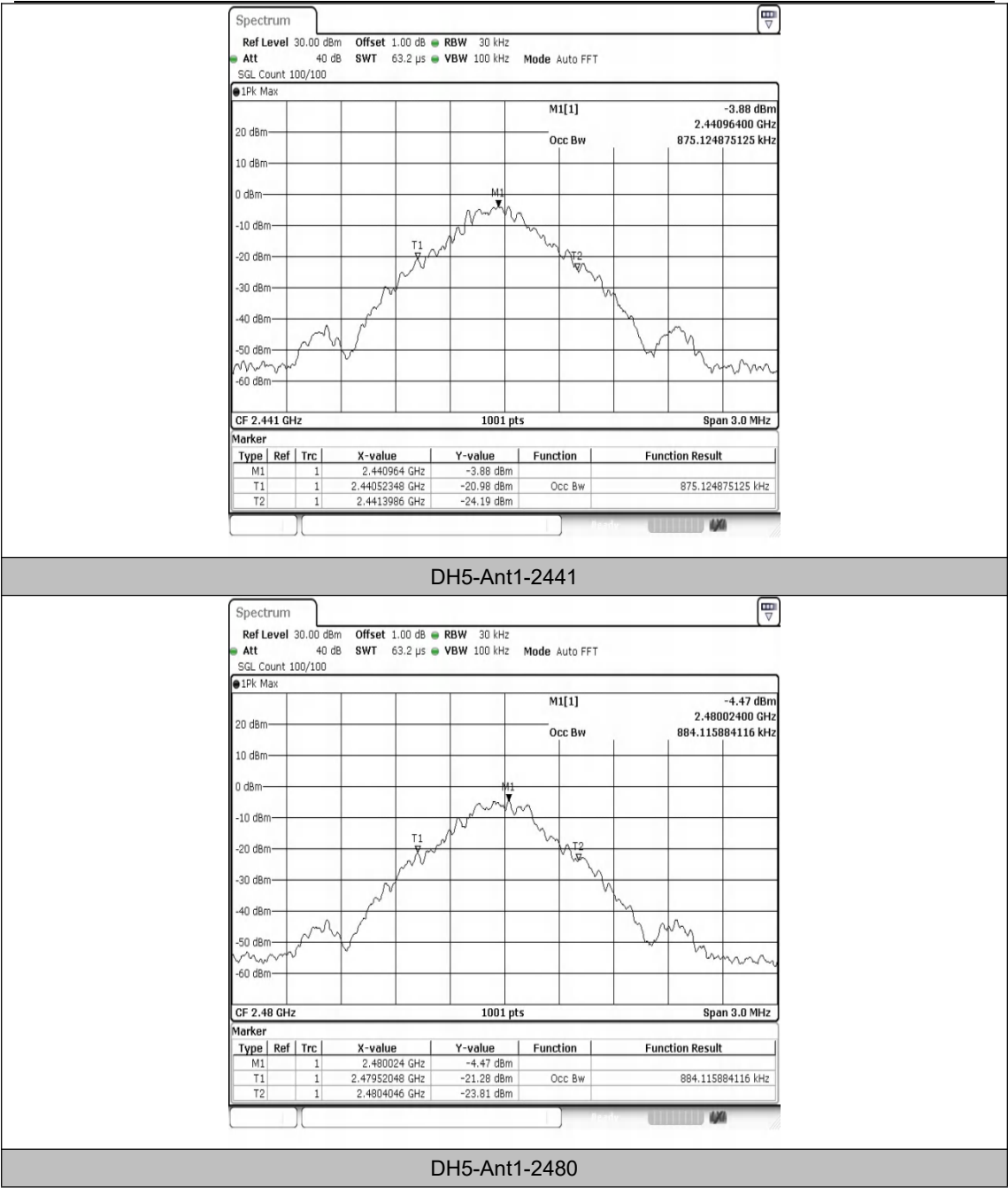
Appendix B: 99% Occupied Bandwidth

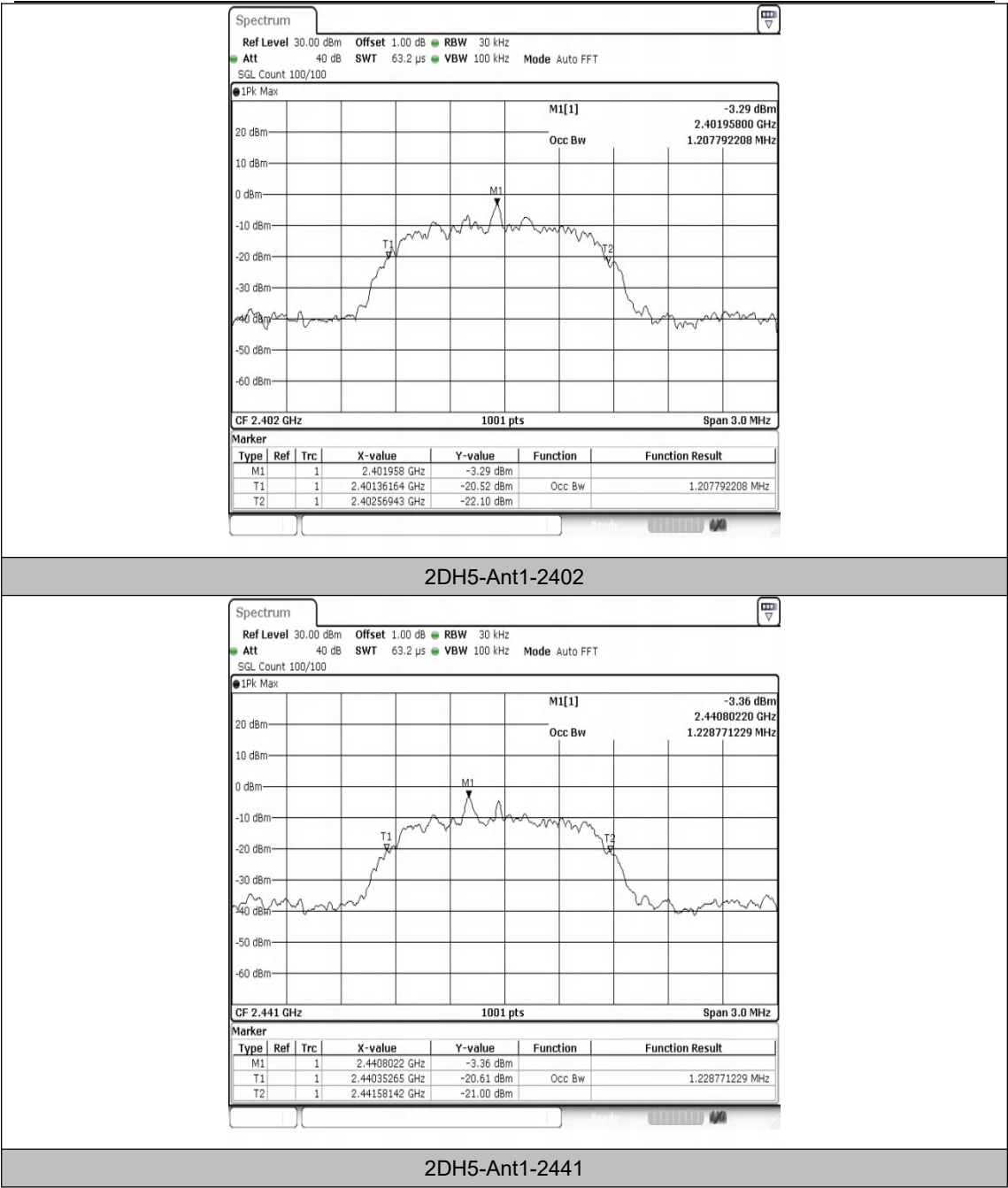
Test Result

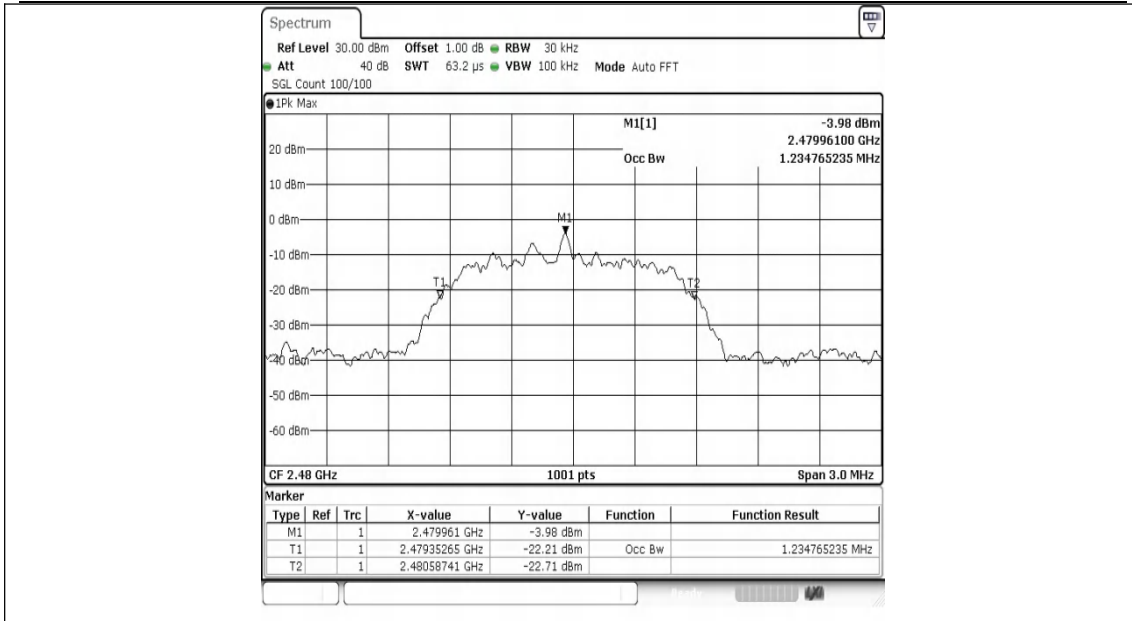
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88412	2401.5205	2402.4046	---	---
DH5	Ant1	2441	0.87512	2440.5235	2441.3986	---	---
DH5	Ant1	2480	0.88412	2479.5205	2480.4046	---	---
2DH5	Ant1	2402	1.2078	2401.3616	2402.5694	---	---
2DH5	Ant1	2441	1.2288	2440.3526	2441.5814	---	---
2DH5	Ant1	2480	1.2348	2479.3526	2480.5874	---	---
3DH5	Ant1	2402	1.2168	2401.3497	2402.5664	---	---
3DH5	Ant1	2441	1.2408	2440.3377	2441.5784	---	---
3DH5	Ant1	2480	1.2318	2479.3407	2480.5724	---	---

Test Graphs

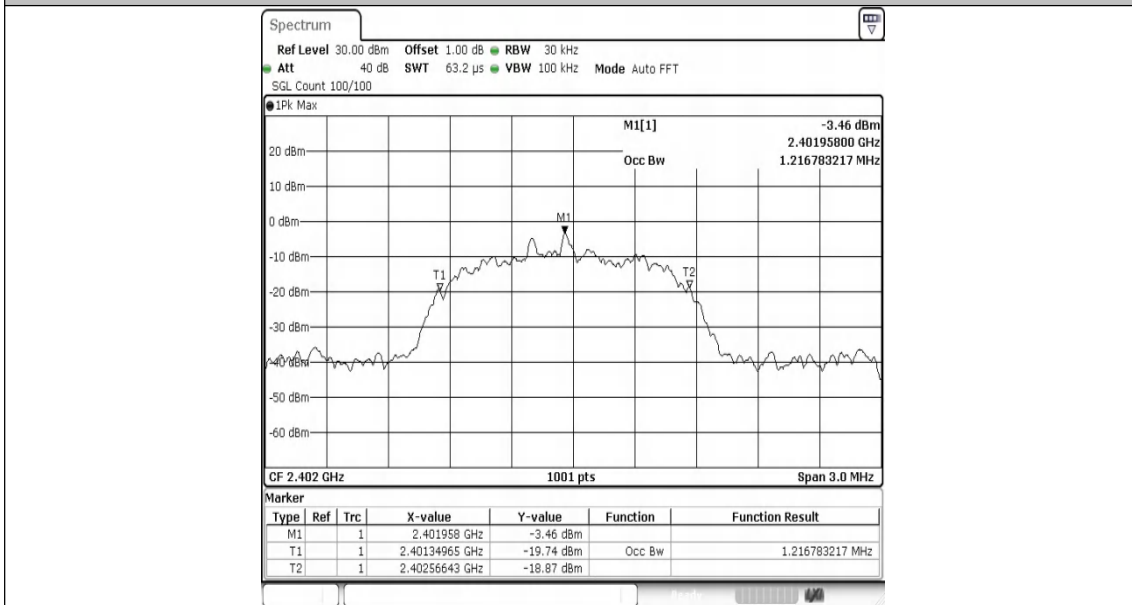








2DH5-Ant1-2480

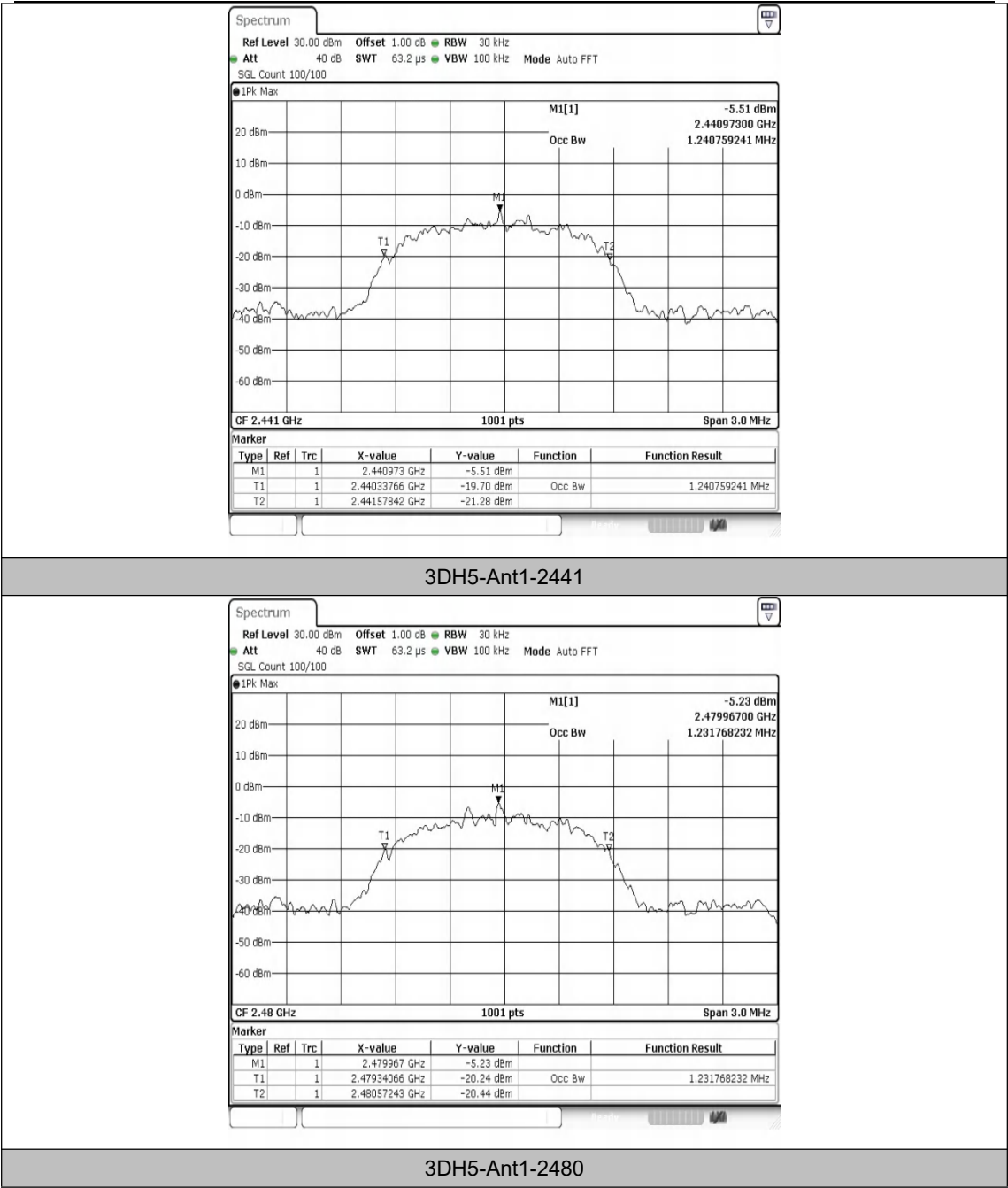


3DH5-Ant1-2402

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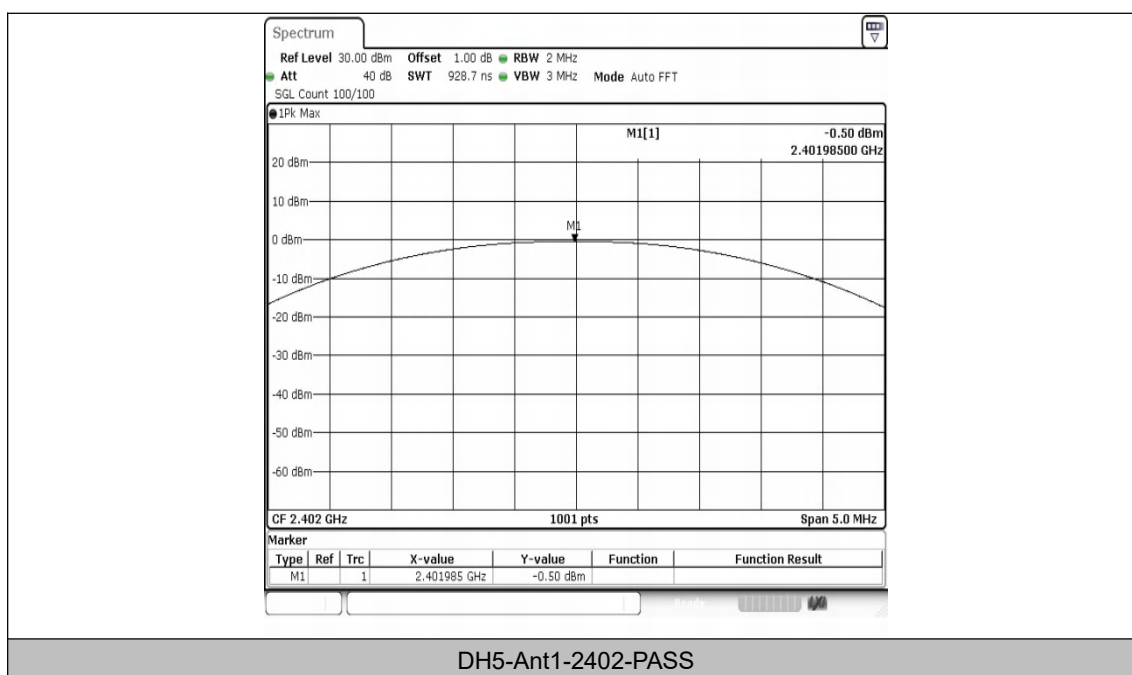
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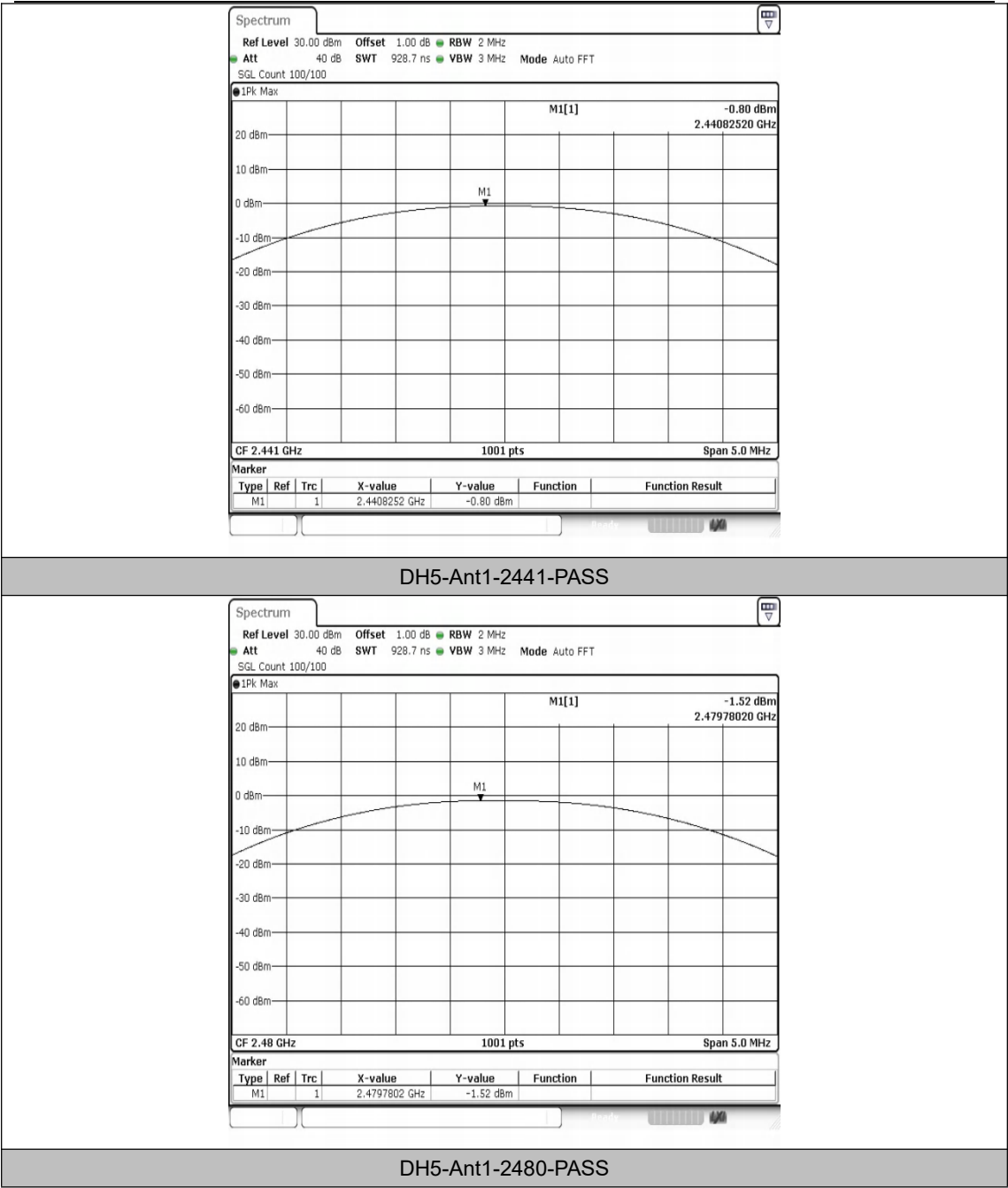
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.50	≤20.97	PASS
DH5	Ant1	2441	-0.80	≤20.97	PASS
DH5	Ant1	2480	-1.52	≤20.97	PASS
2DH5	Ant1	2402	-0.40	≤20.97	PASS
2DH5	Ant1	2441	-0.61	≤20.97	PASS
2DH5	Ant1	2480	-1.43	≤20.97	PASS
3DH5	Ant1	2402	-0.08	≤20.97	PASS
3DH5	Ant1	2441	-0.47	≤20.97	PASS
3DH5	Ant1	2480	-1.06	≤20.97	PASS

Test Graphs

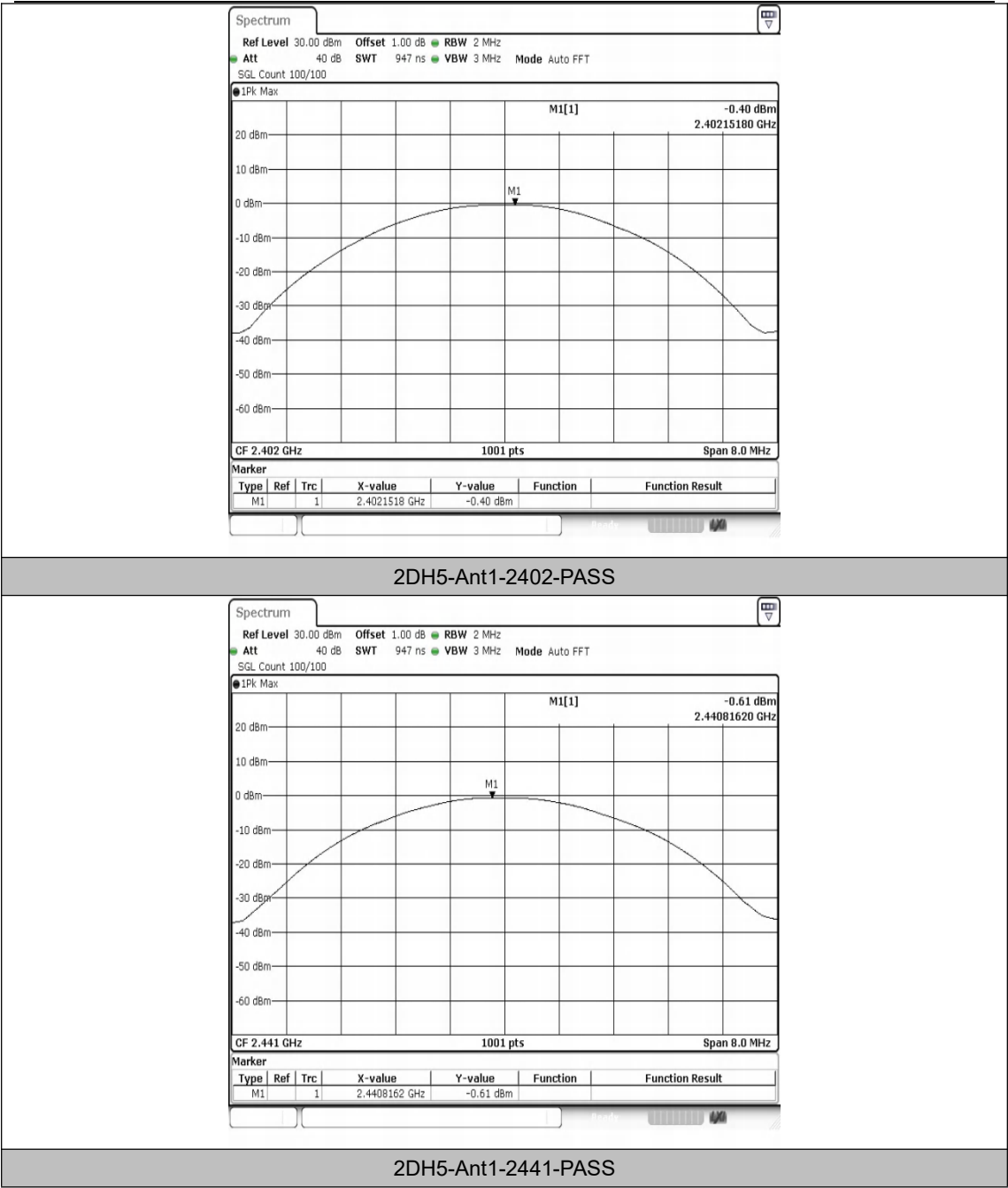




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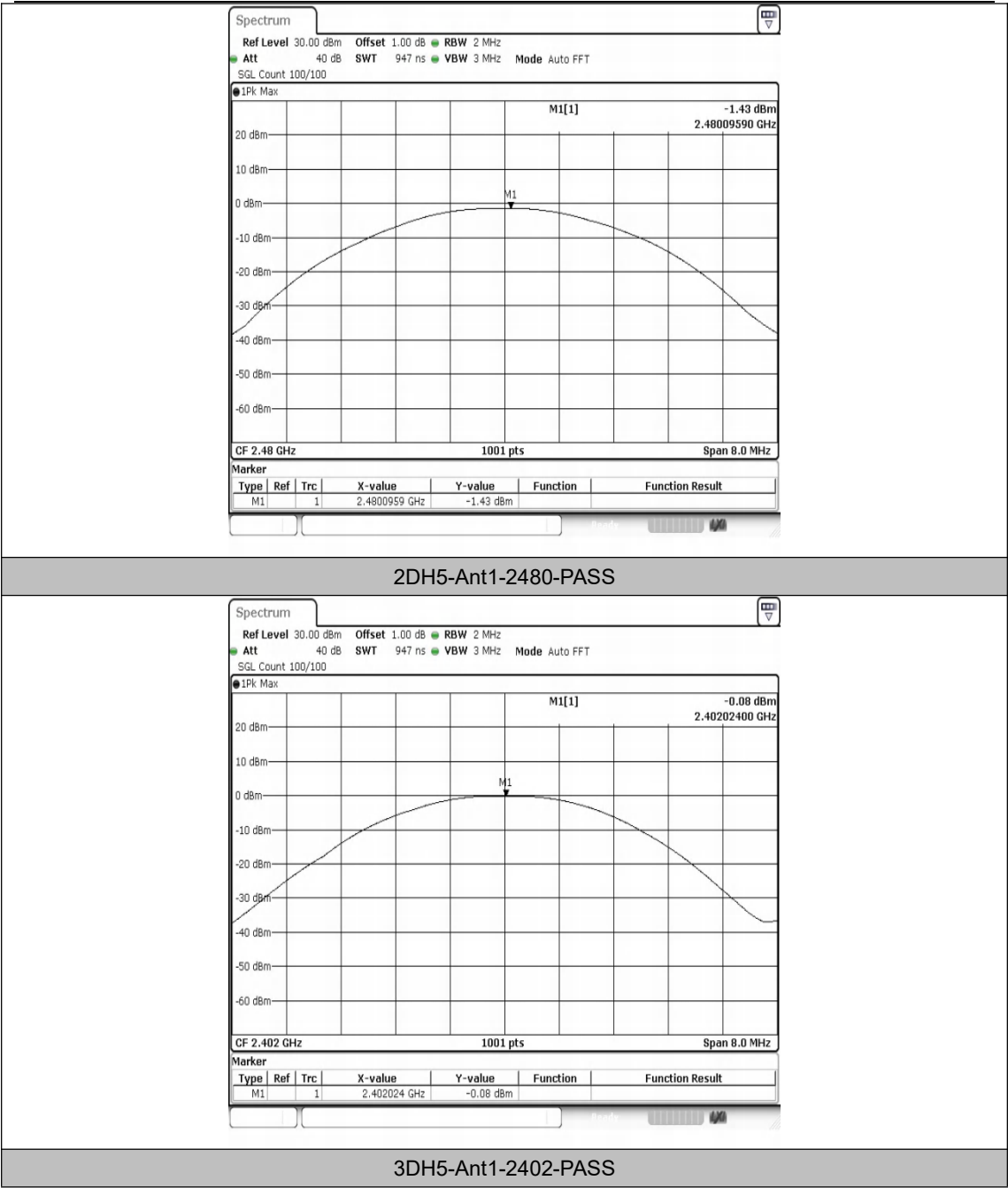
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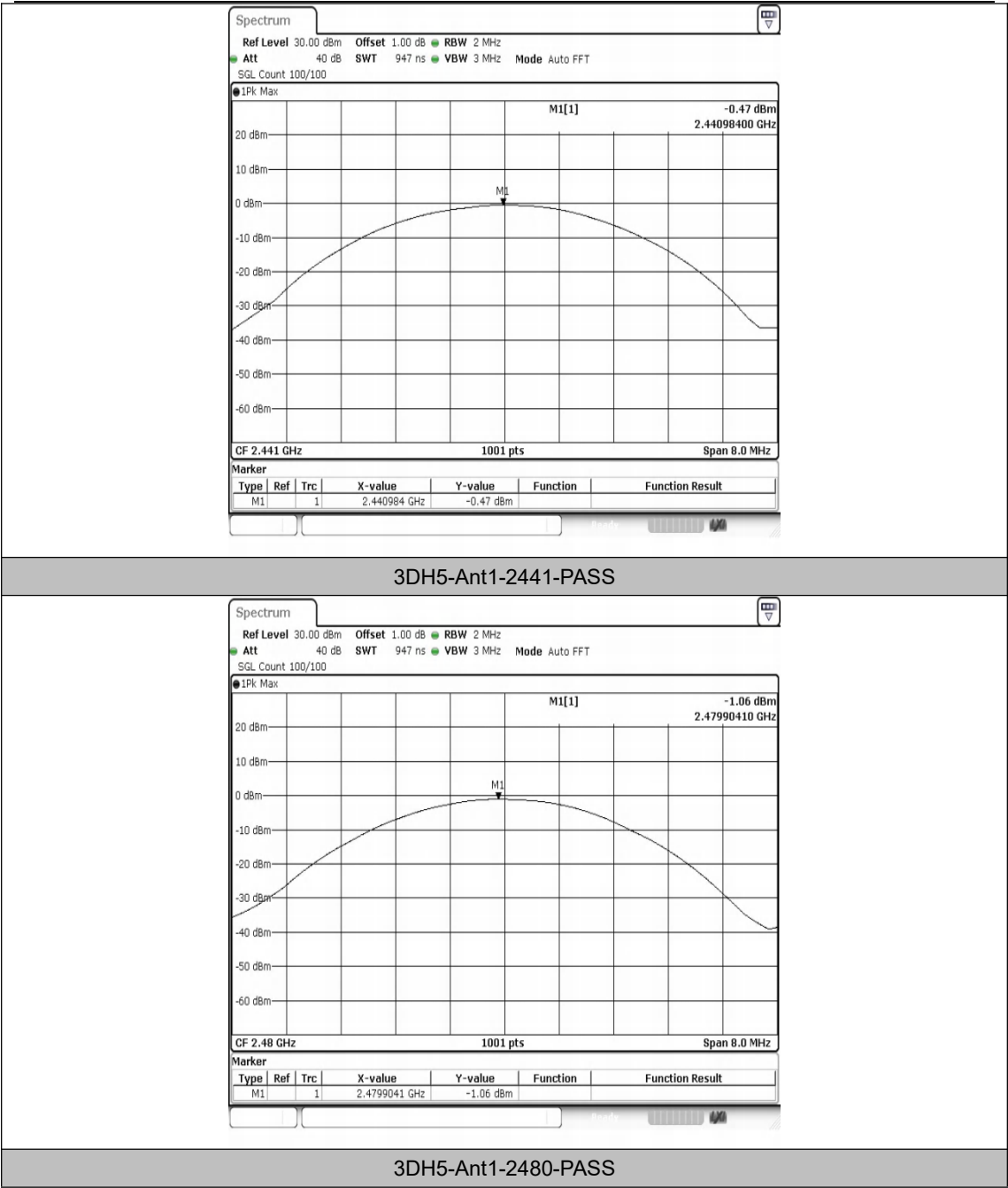
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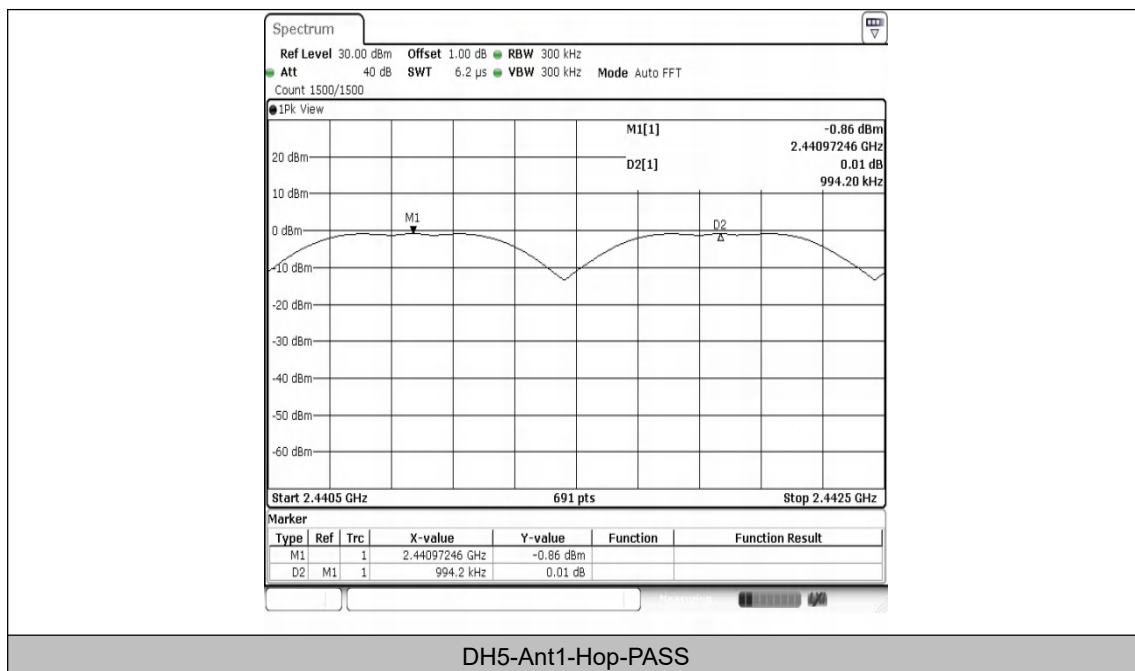
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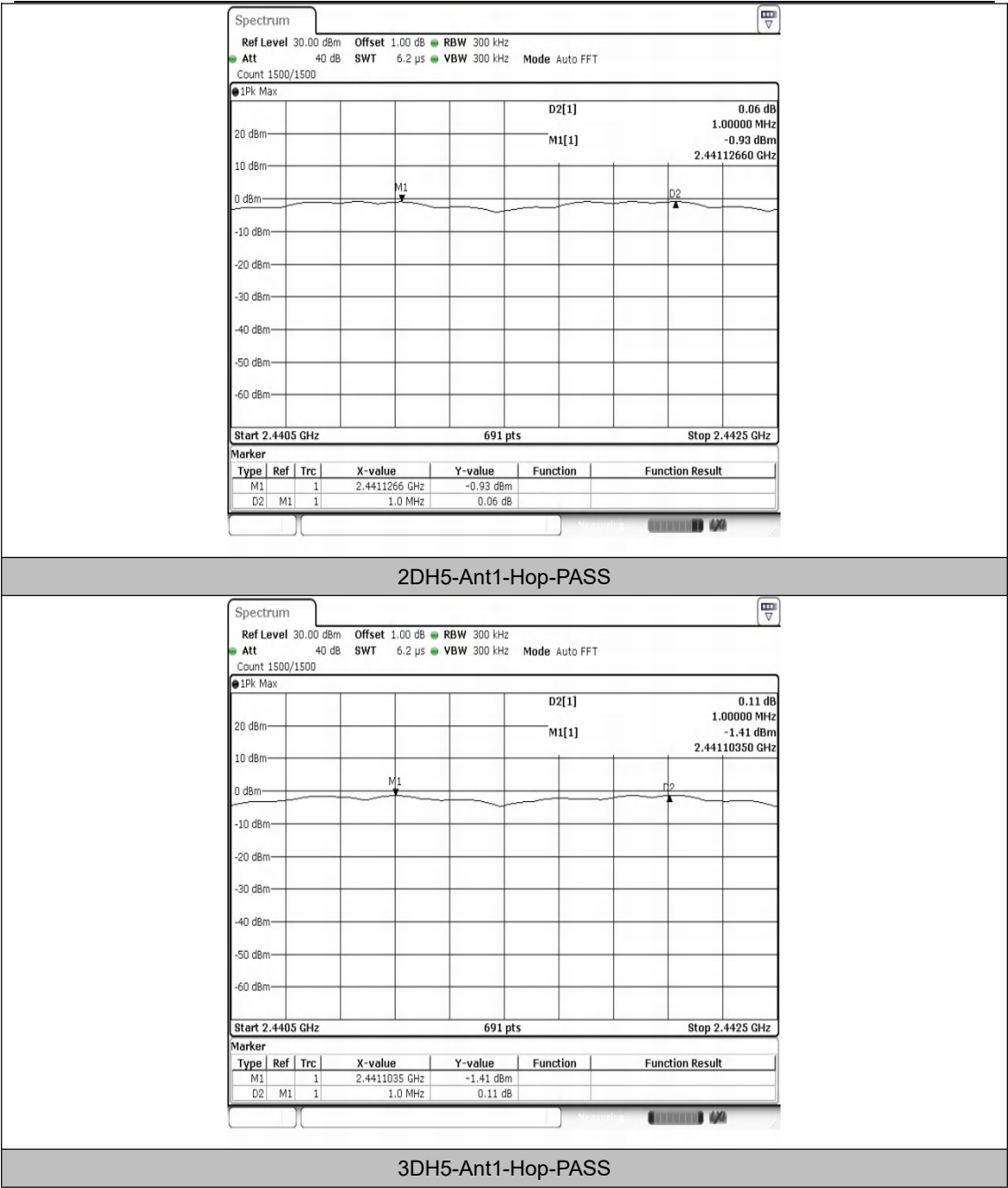
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.633	PASS
2DH5	Ant1	Hop	1.000	≥0.880	PASS
3DH5	Ant1	Hop	1.000	≥0.887	PASS

Test Graphs



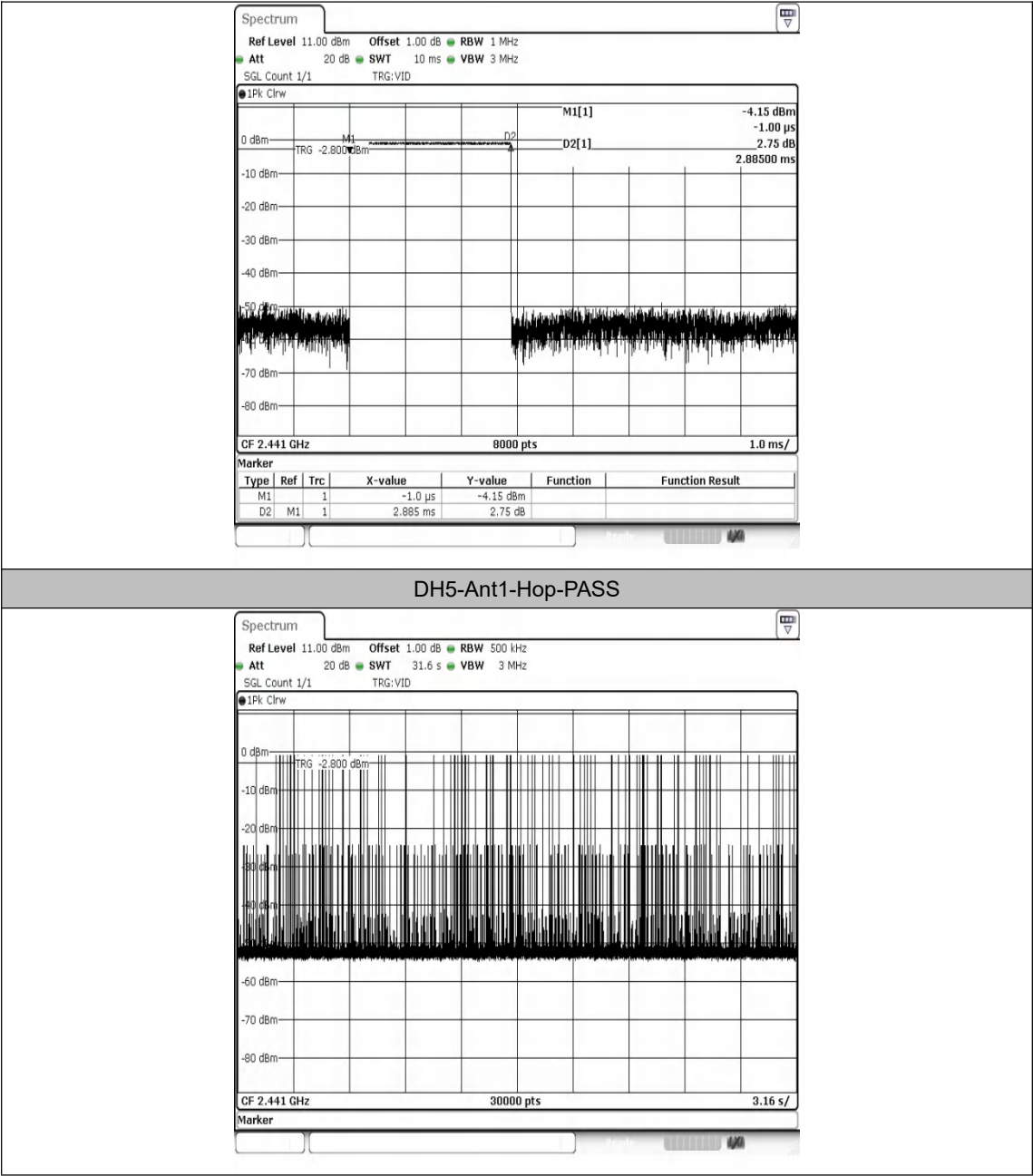


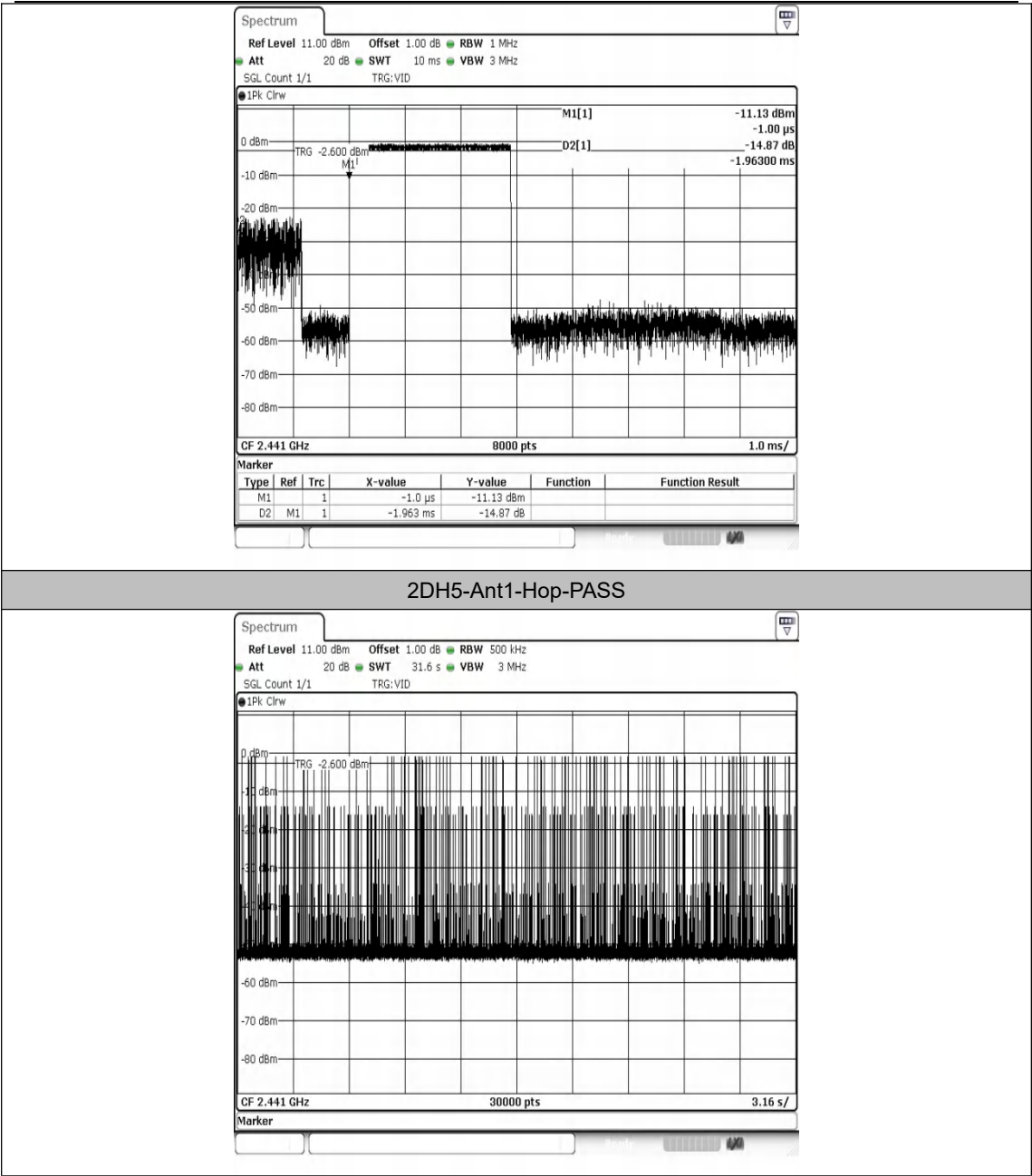
Appendix E: Dwell Time

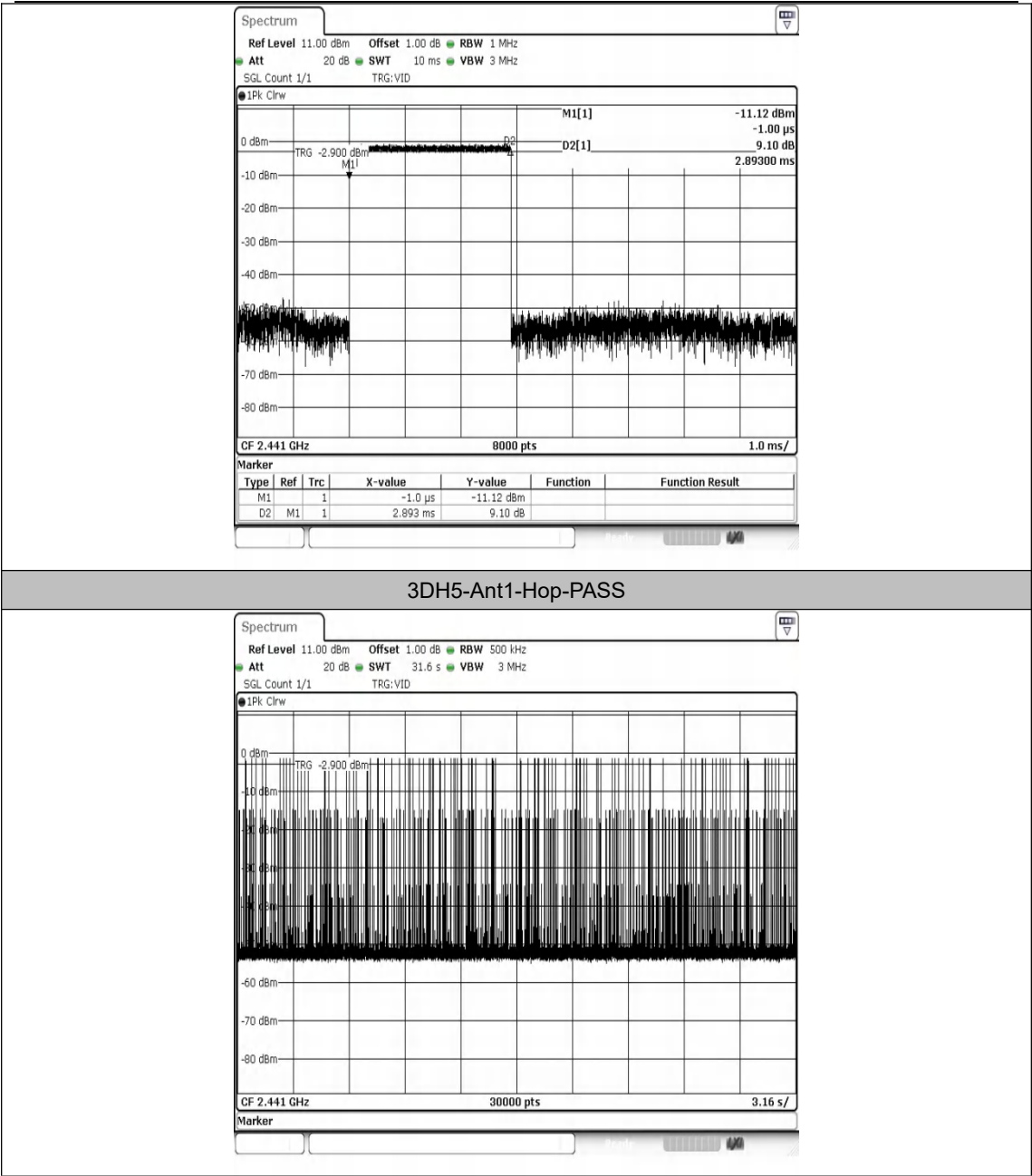
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS
2DH5	Ant1	Hop	-1.963	111	-0.218	≤0.4	PASS
3DH5	Ant1	Hop	2.893	114	0.33	≤0.4	PASS

Test Graphs





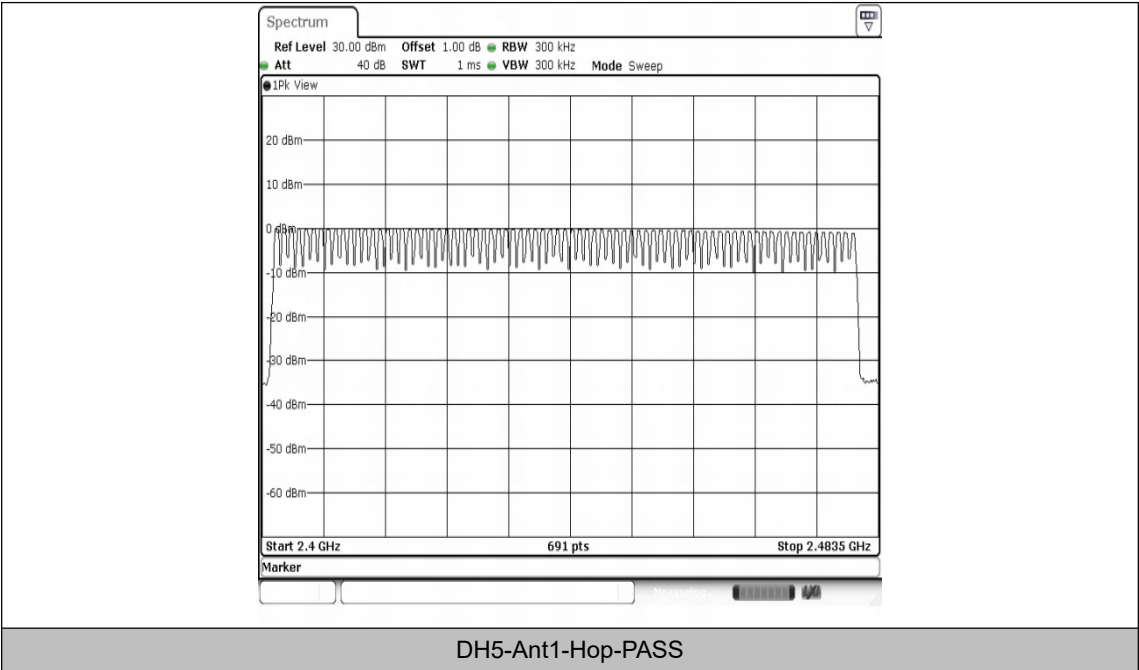


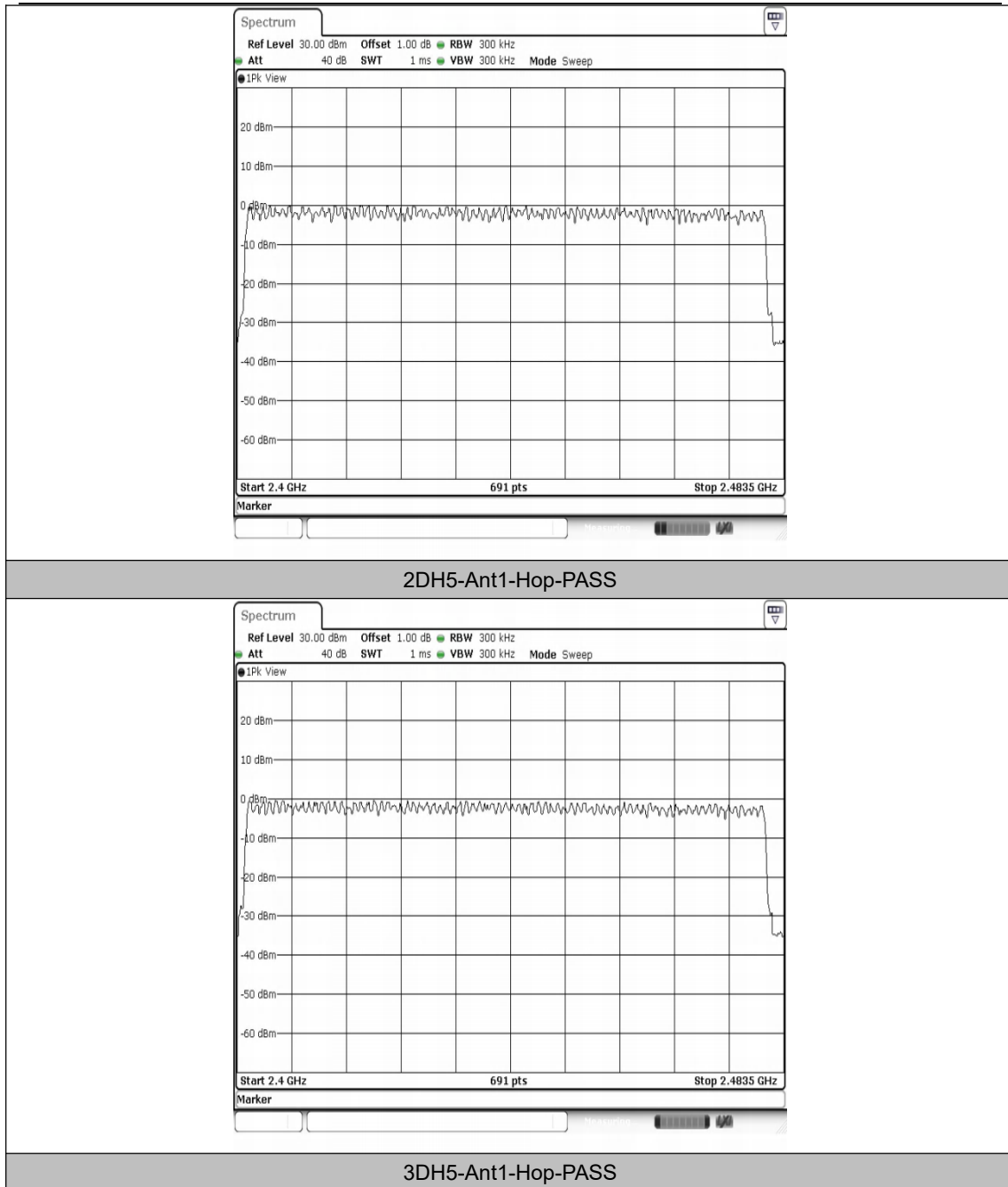
Appendix F: Number of Hopping Channel

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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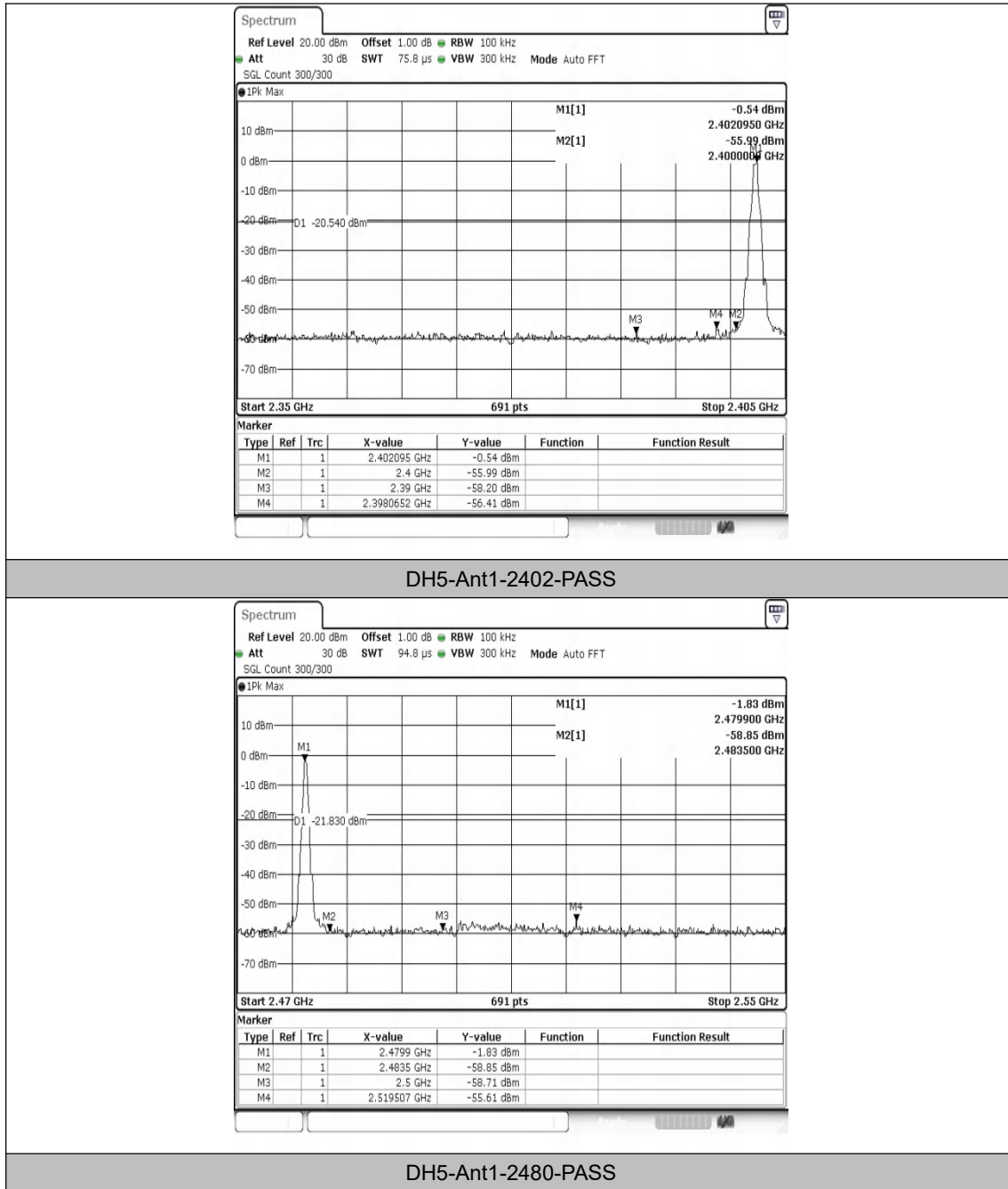
Appendix G: Conducted Band edge

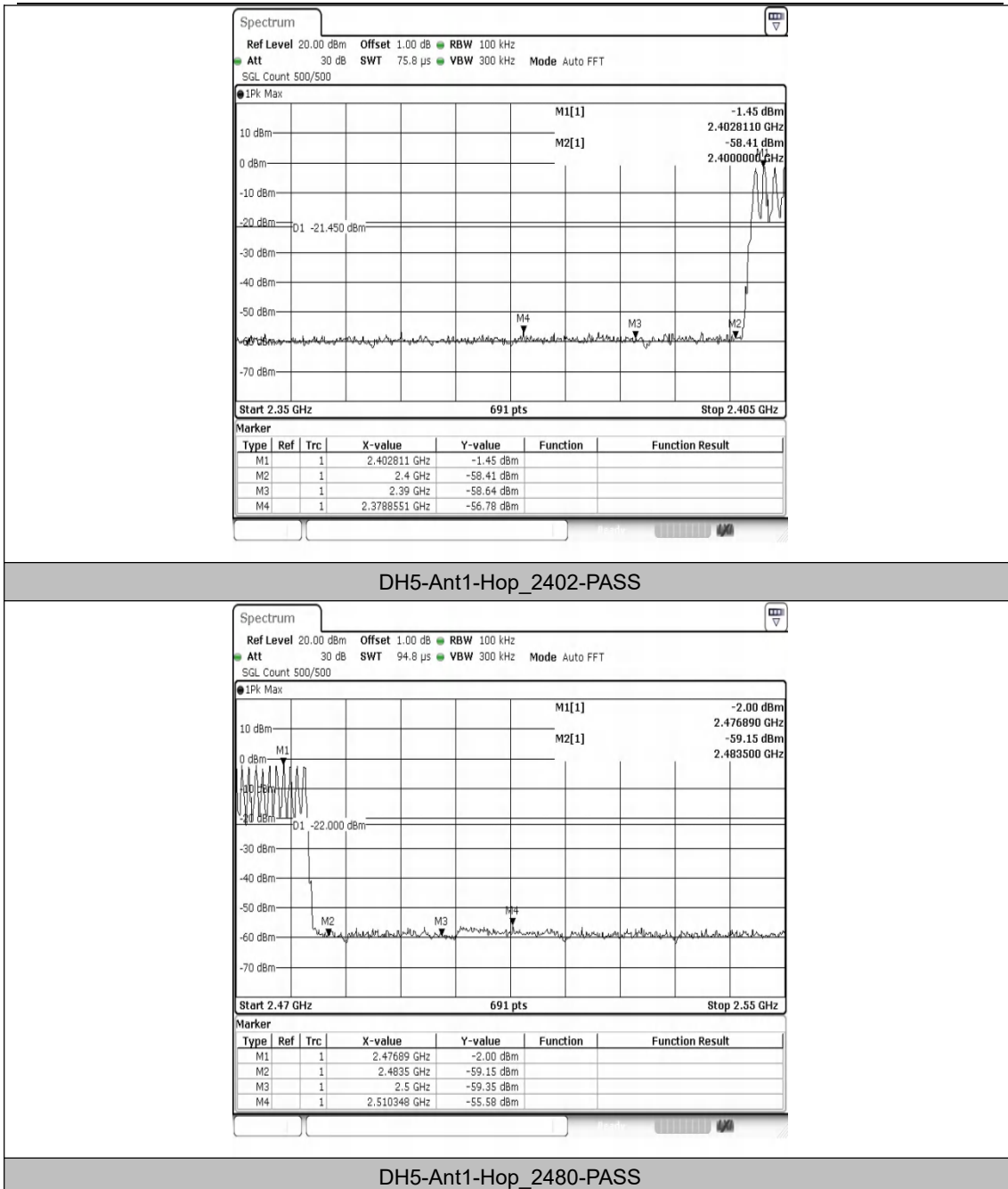
Test Result

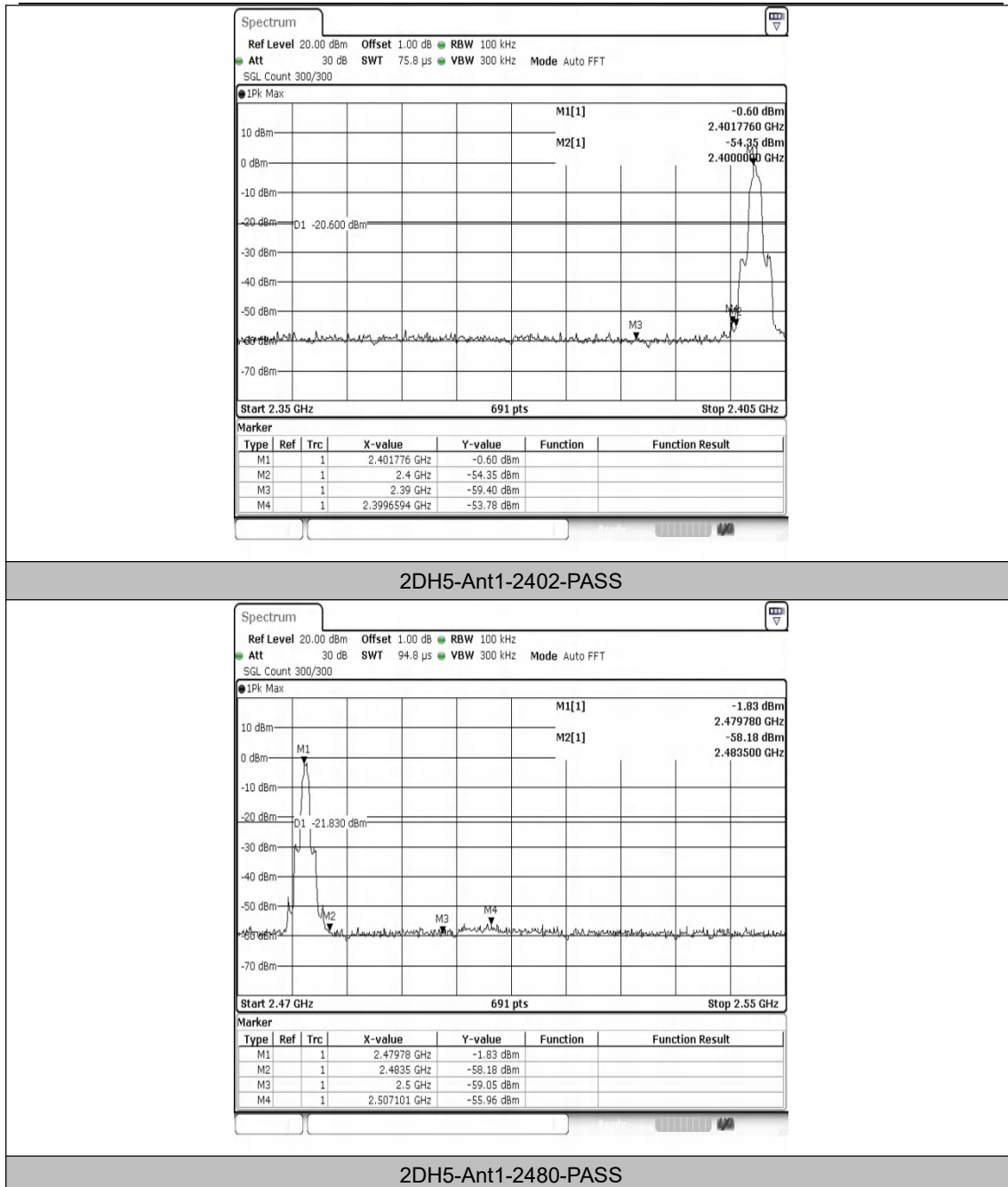
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.54	-56.41	≤-20.54	PASS
DH5	Ant1	High	2480	-1.83	-55.61	≤-21.83	PASS
DH5	Ant1	Low	Hop_2402	-1.45	-56.78	≤-21.45	PASS
DH5	Ant1	High	Hop_2480	-2.00	-55.58	≤-22	PASS
2DH5	Ant1	Low	2402	-0.60	-53.78	≤-20.6	PASS
2DH5	Ant1	High	2480	-1.83	-55.96	≤-21.83	PASS
2DH5	Ant1	Low	Hop_2402	-4.75	-56.91	≤-24.75	PASS
2DH5	Ant1	High	Hop_2480	-4.60	-55.99	≤-24.6	PASS
3DH5	Ant1	Low	2402	-0.58	-54.2	≤-20.58	PASS
3DH5	Ant1	High	2480	-1.75	-55.67	≤-21.75	PASS
3DH5	Ant1	Low	Hop_2402	-1.09	-55.84	≤-21.09	PASS
3DH5	Ant1	High	Hop_2480	-2.37	-55.81	≤-22.37	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



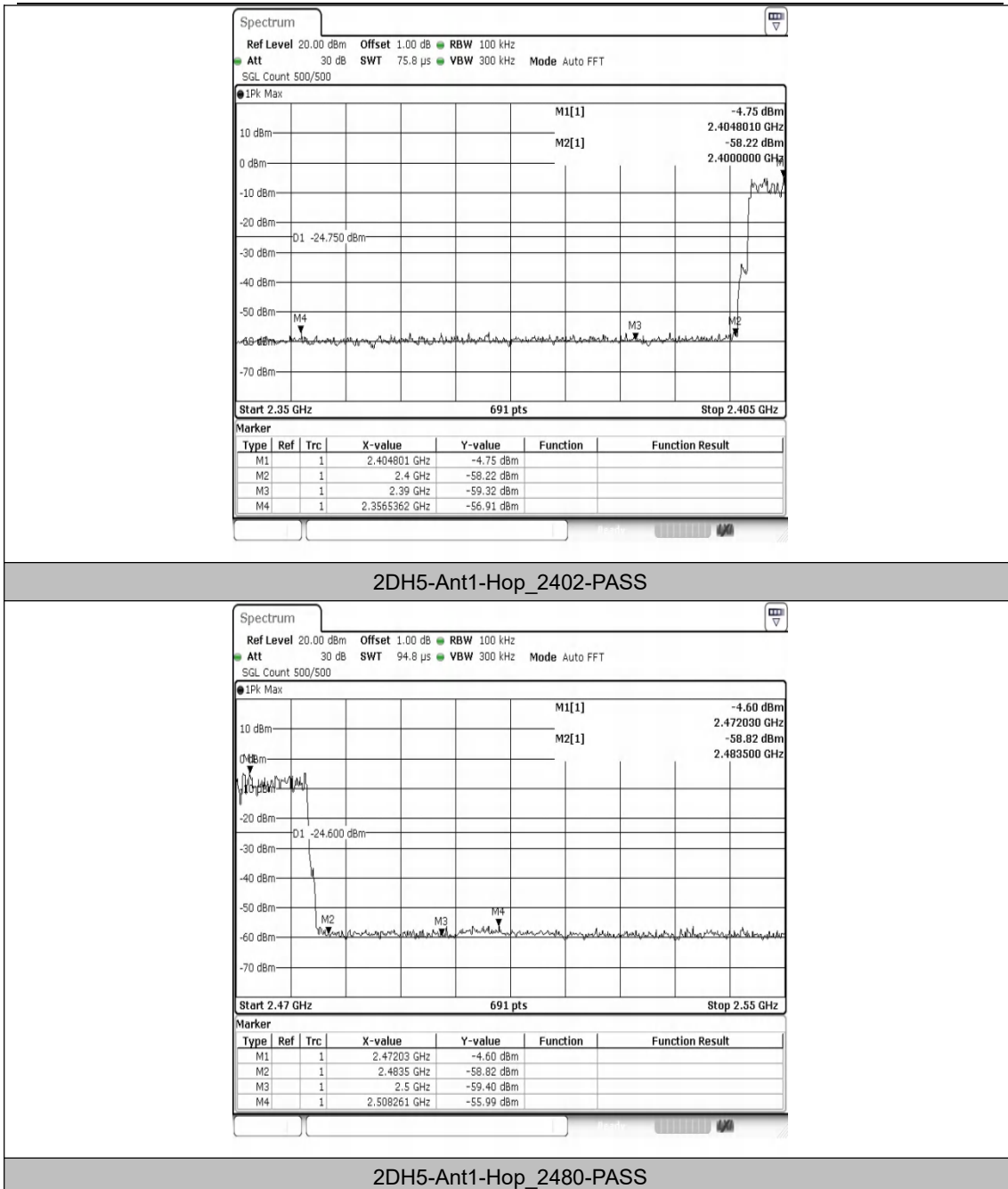


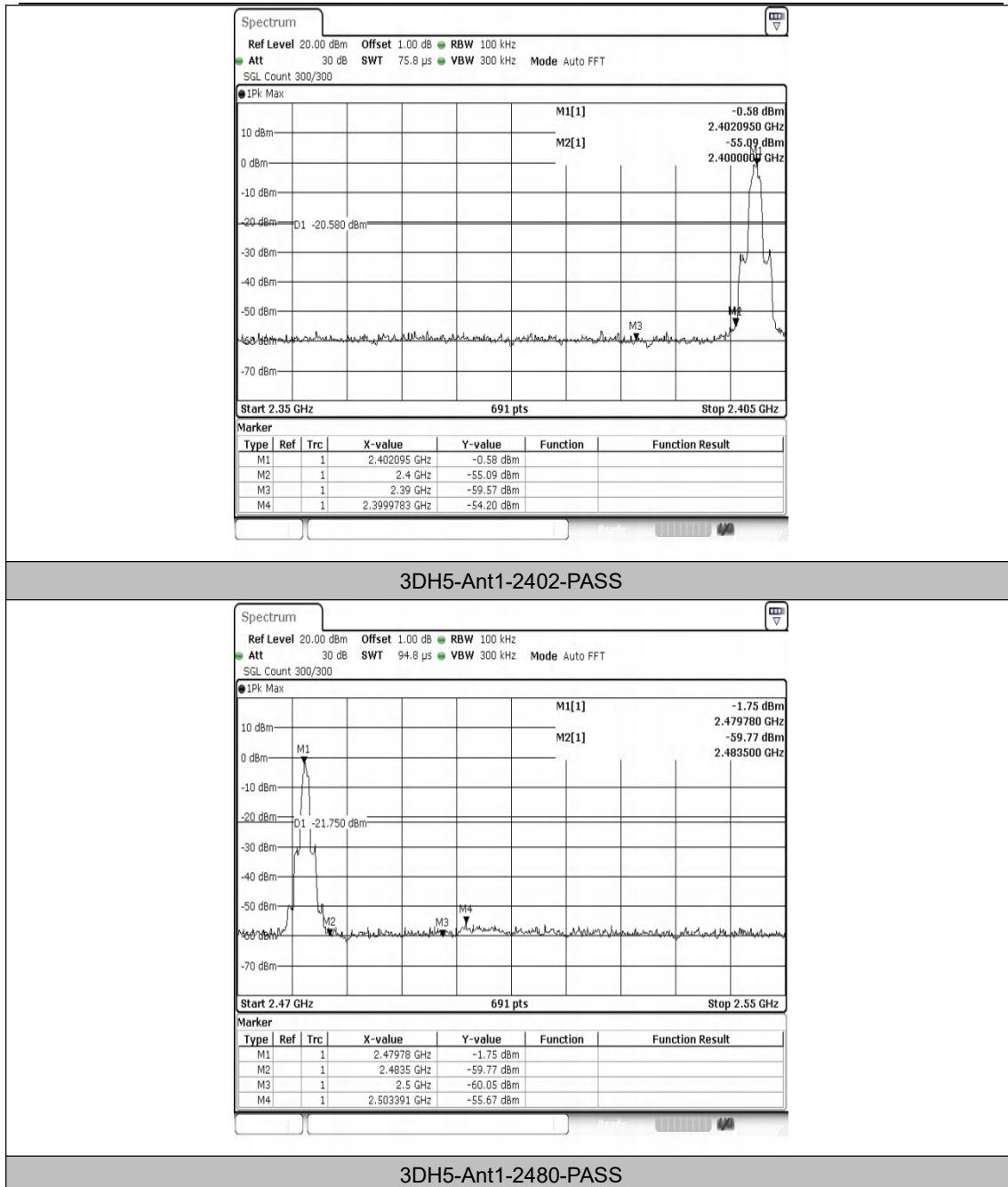


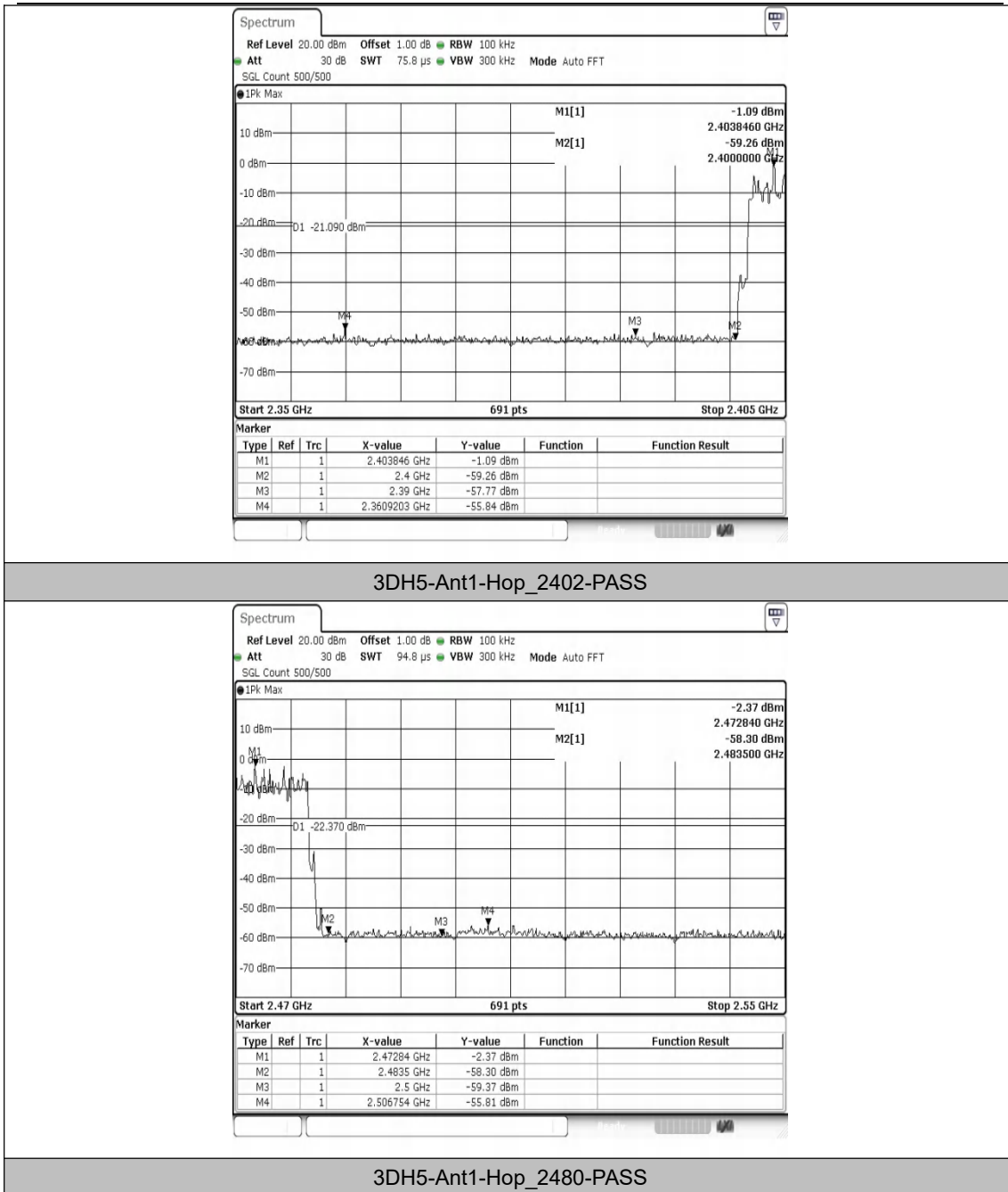
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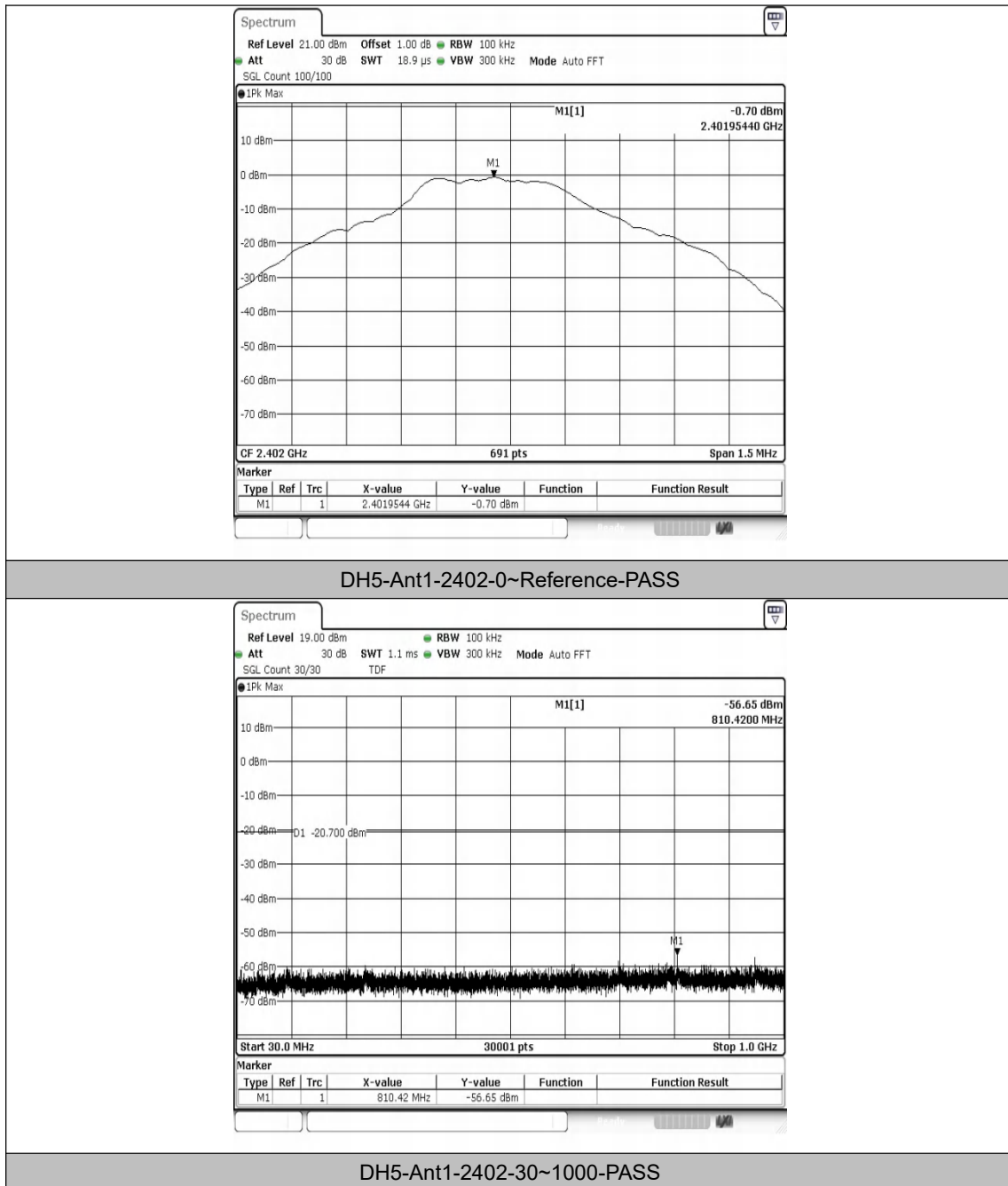
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.70	-0.70	---	PASS
DH5	Ant1	2402	30~1000	-0.70	-56.65	≤-20.7	PASS
DH5	Ant1	2402	1000~26500	-0.70	-38.72	≤-20.7	PASS
DH5	Ant1	2441	0~Reference	-1.53	-1.53	---	PASS
DH5	Ant1	2441	30~1000	-1.53	-56.77	≤-21.53	PASS
DH5	Ant1	2441	1000~26500	-1.53	-43.39	≤-21.53	PASS
DH5	Ant1	2480	0~Reference	-2.13	-2.13	---	PASS
DH5	Ant1	2480	30~1000	-2.13	-58.38	≤-22.13	PASS
DH5	Ant1	2480	1000~26500	-2.13	-42.69	≤-22.13	PASS
2DH5	Ant1	2402	0~Reference	-0.84	-0.84	---	PASS
2DH5	Ant1	2402	30~1000	-0.84	-57.87	≤-20.84	PASS
2DH5	Ant1	2402	1000~26500	-0.84	-43.14	≤-20.84	PASS
2DH5	Ant1	2441	0~Reference	-1.97	-1.97	---	PASS
2DH5	Ant1	2441	30~1000	-1.97	-57.7	≤-21.97	PASS
2DH5	Ant1	2441	1000~26500	-1.97	-42.3	≤-21.97	PASS
2DH5	Ant1	2480	0~Reference	-1.76	-1.76	---	PASS
2DH5	Ant1	2480	30~1000	-1.76	-58.05	≤-21.76	PASS
2DH5	Ant1	2480	1000~26500	-1.76	-42.34	≤-21.76	PASS
3DH5	Ant1	2402	0~Reference	-0.68	-0.68	---	PASS
3DH5	Ant1	2402	30~1000	-0.68	-57.7	≤-20.68	PASS
3DH5	Ant1	2402	1000~26500	-0.68	-43.13	≤-20.68	PASS
3DH5	Ant1	2441	0~Reference	-2.06	-2.06	---	PASS
3DH5	Ant1	2441	30~1000	-2.06	-58.58	≤-22.06	PASS
3DH5	Ant1	2441	1000~26500	-2.06	-42.88	≤-22.06	PASS
3DH5	Ant1	2480	0~Reference	-2.85	-2.85	---	PASS
3DH5	Ant1	2480	30~1000	-2.85	-54.99	≤-22.85	PASS
3DH5	Ant1	2480	1000~26500	-2.85	-42.27	≤-22.85	PASS

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

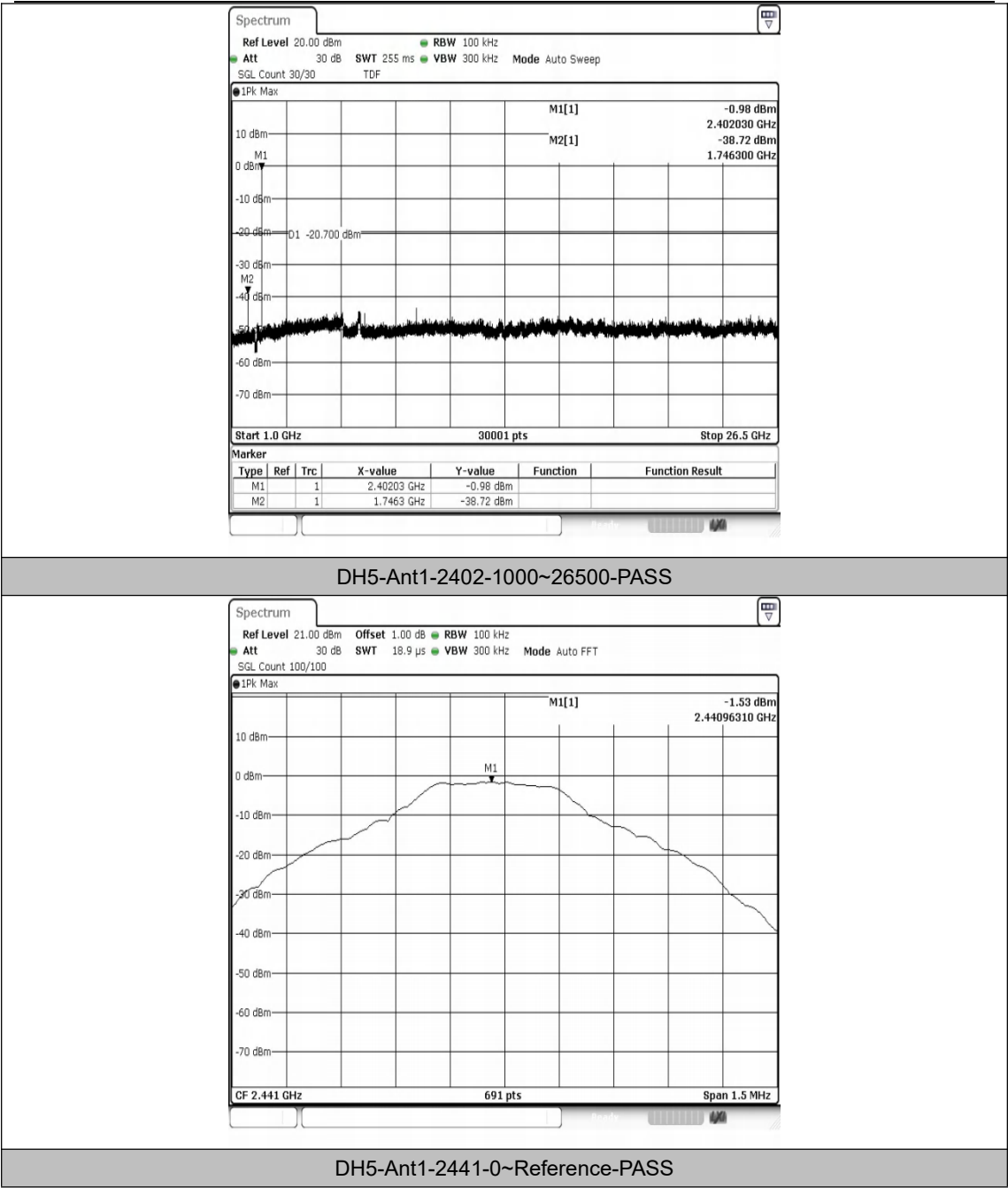
Test Graphs



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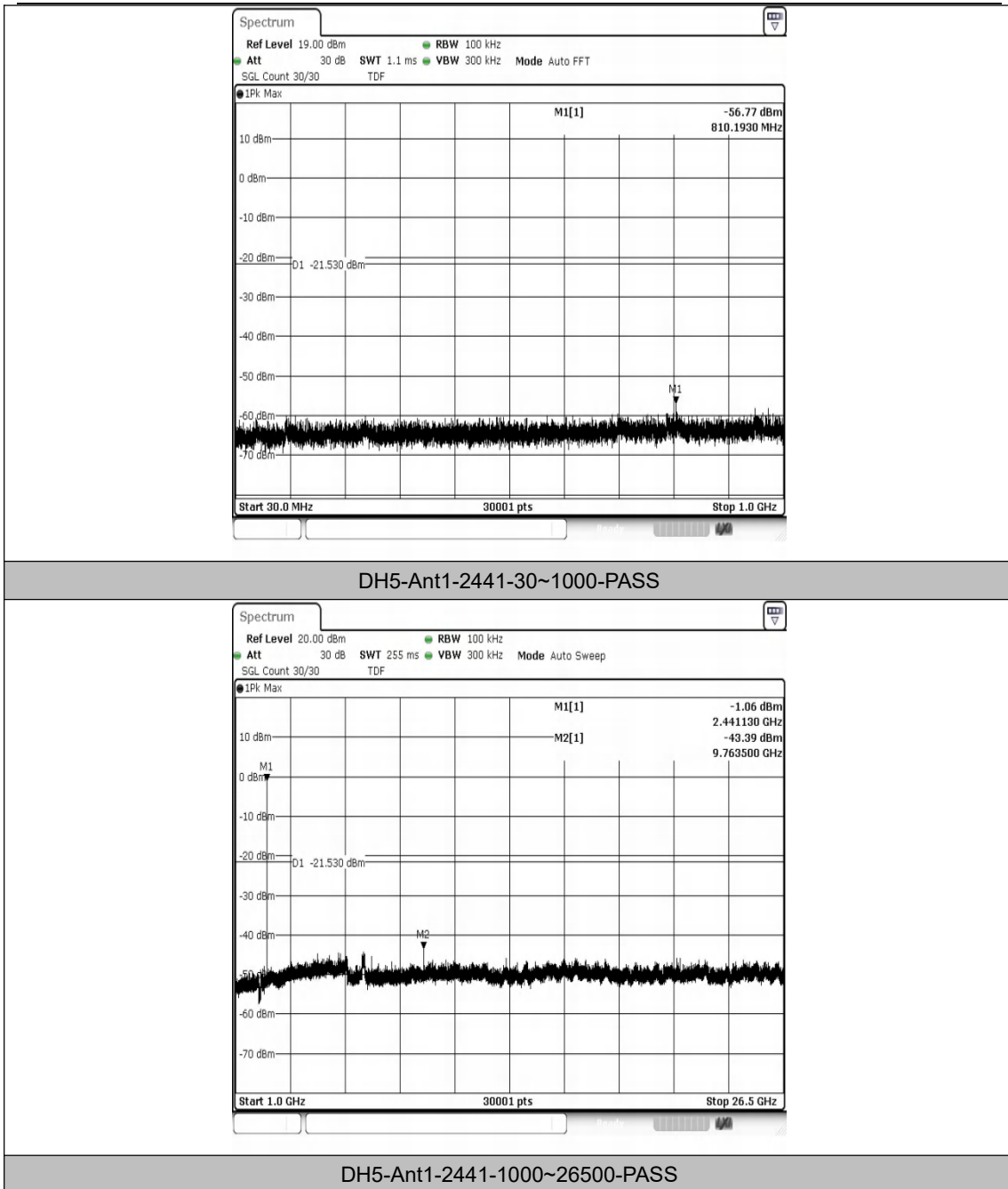
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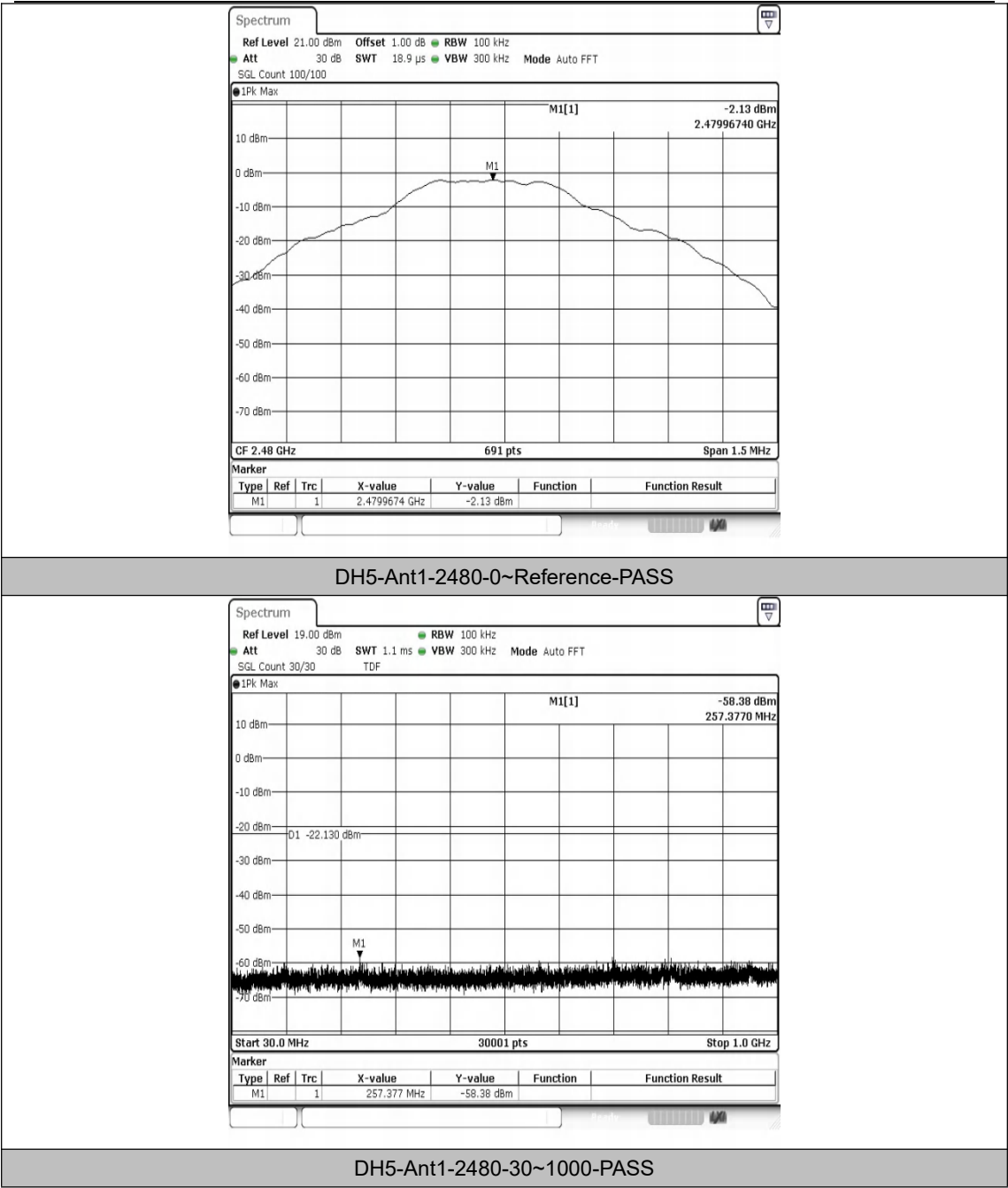
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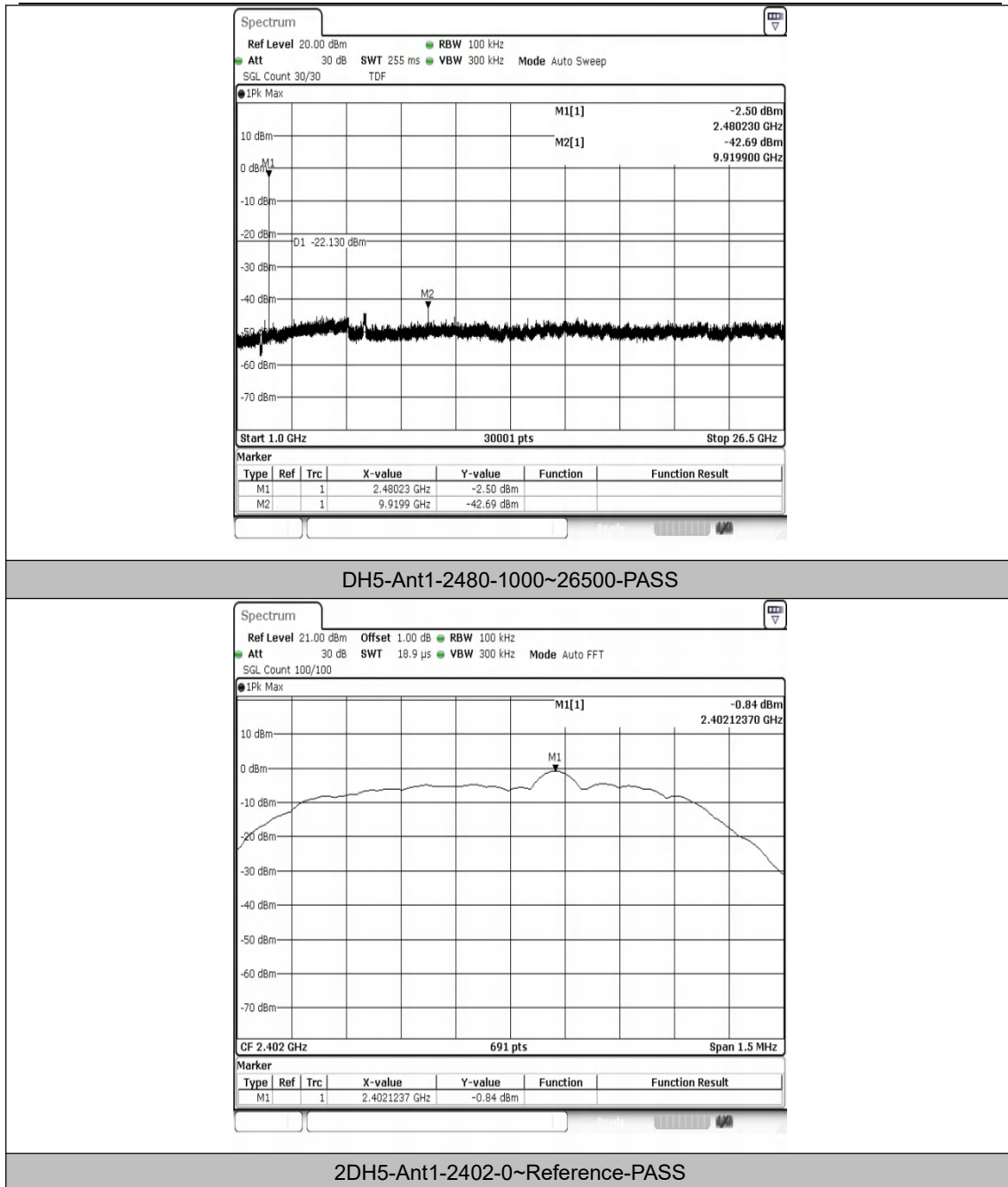


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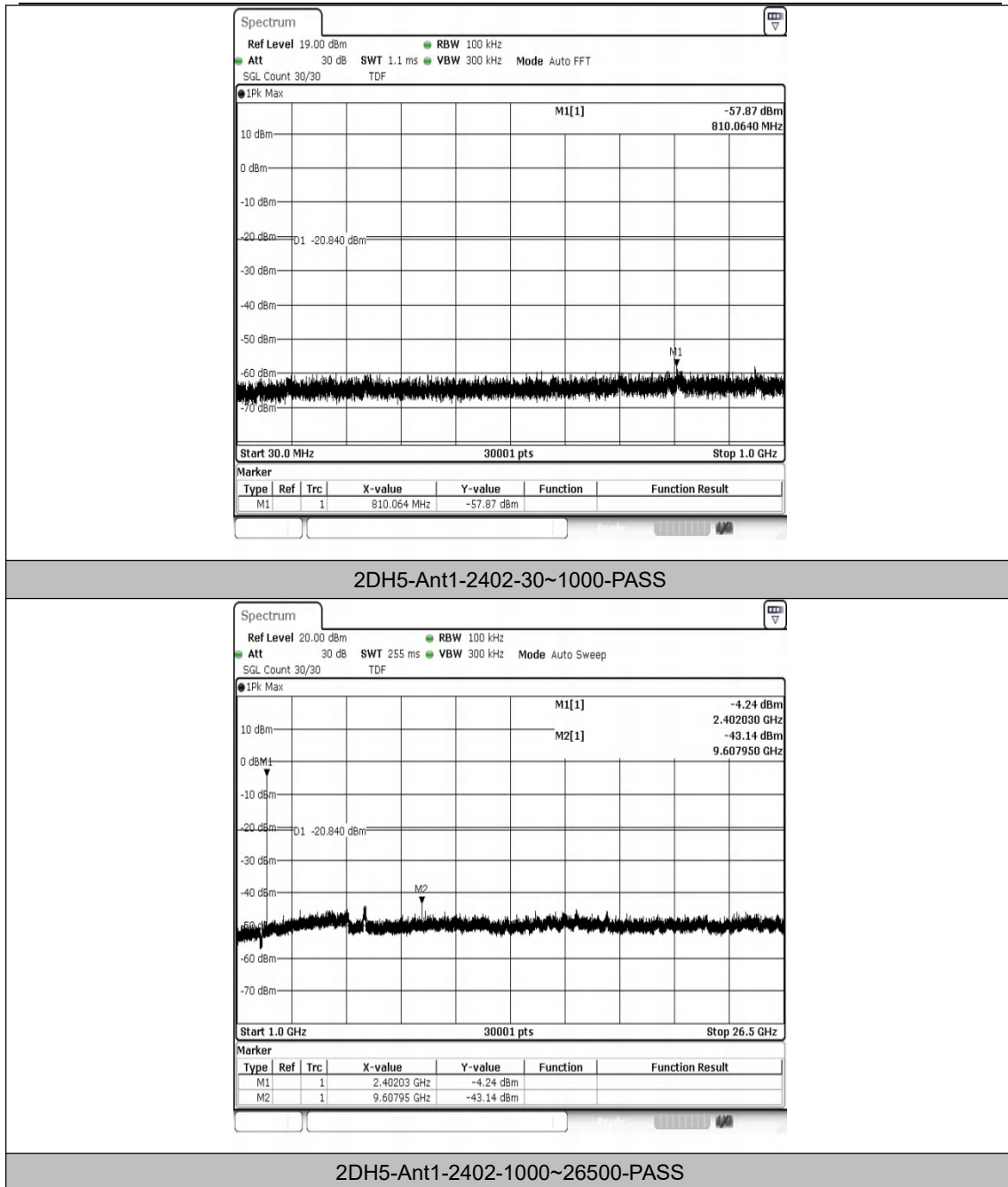




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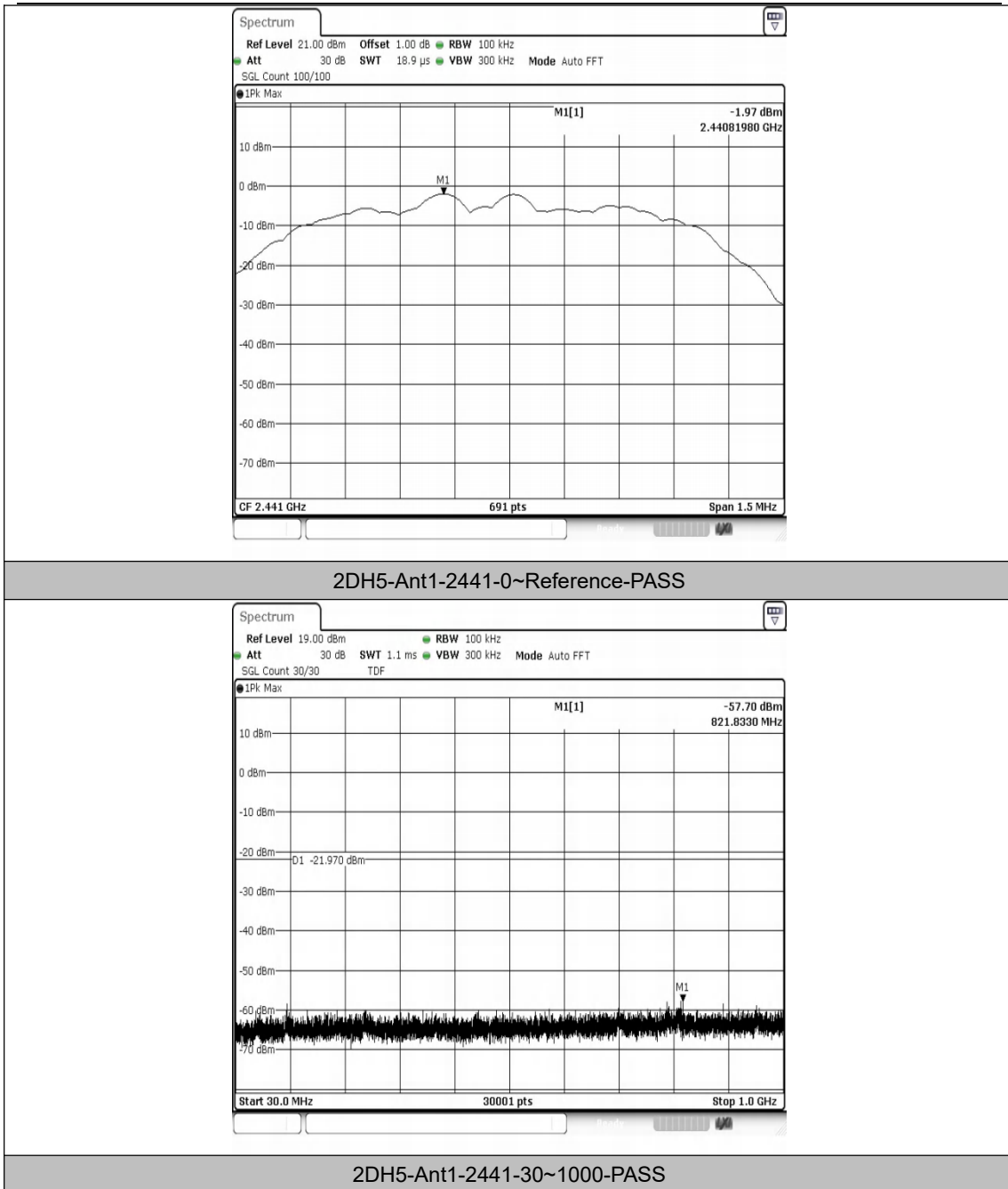
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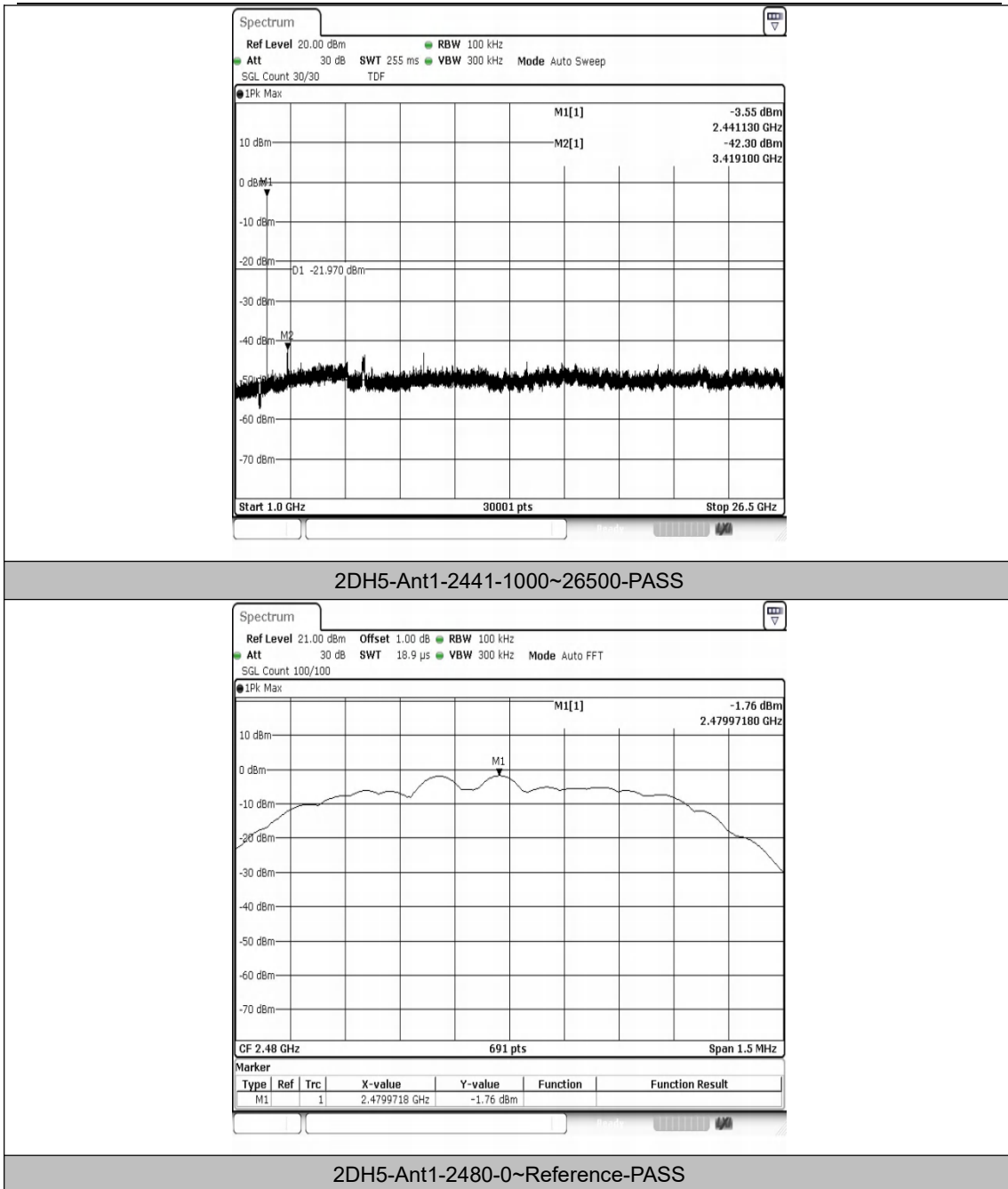
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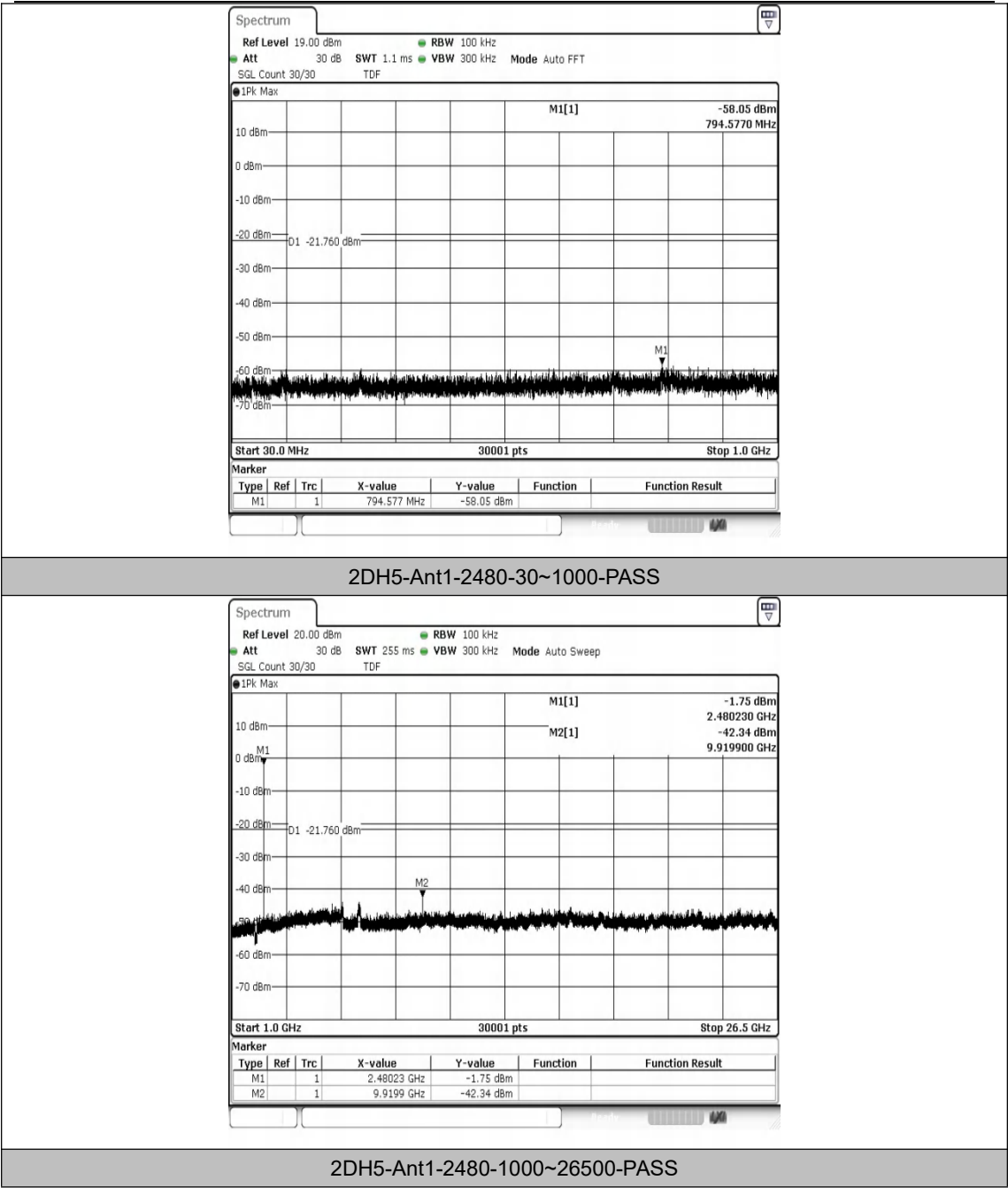
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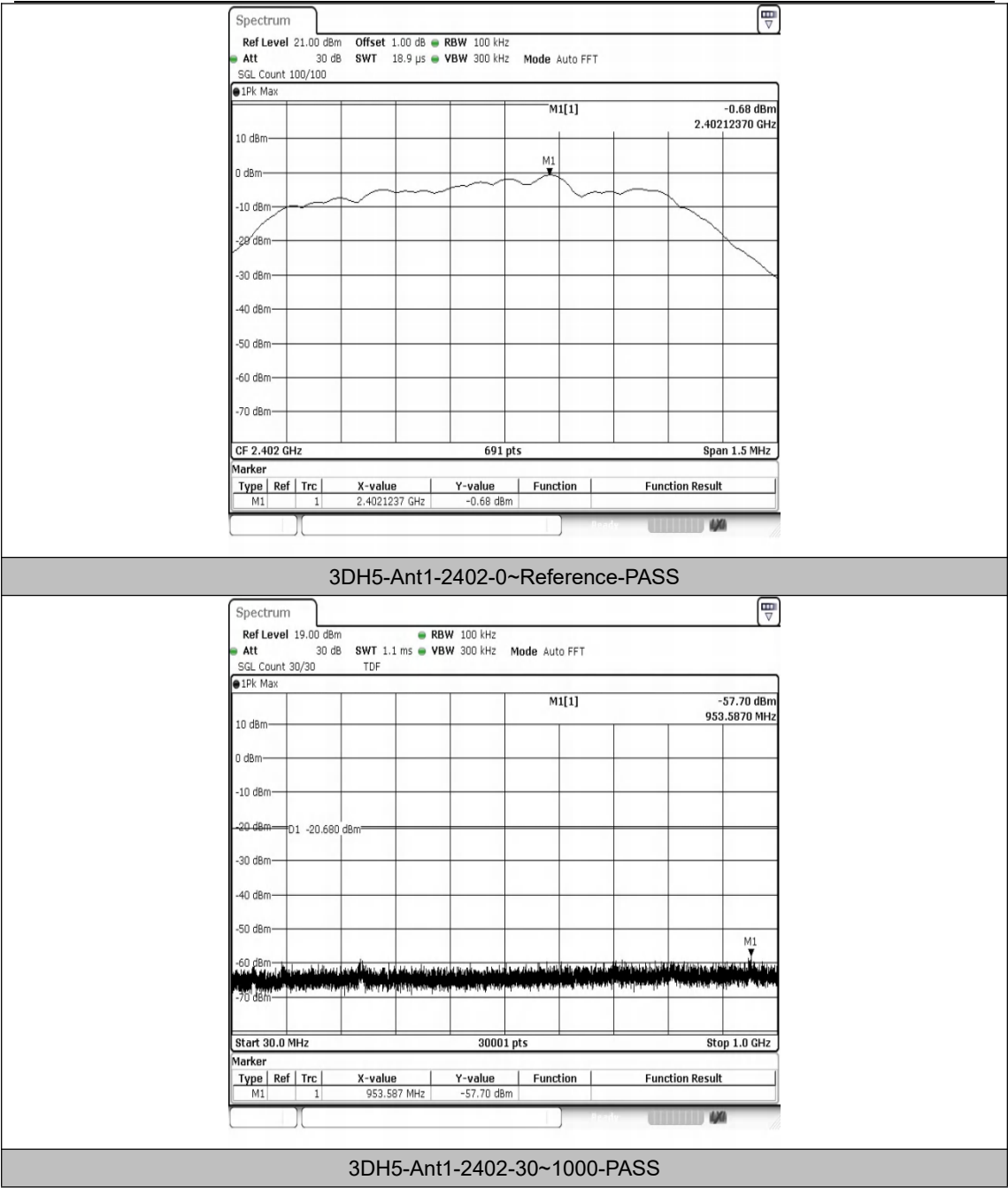


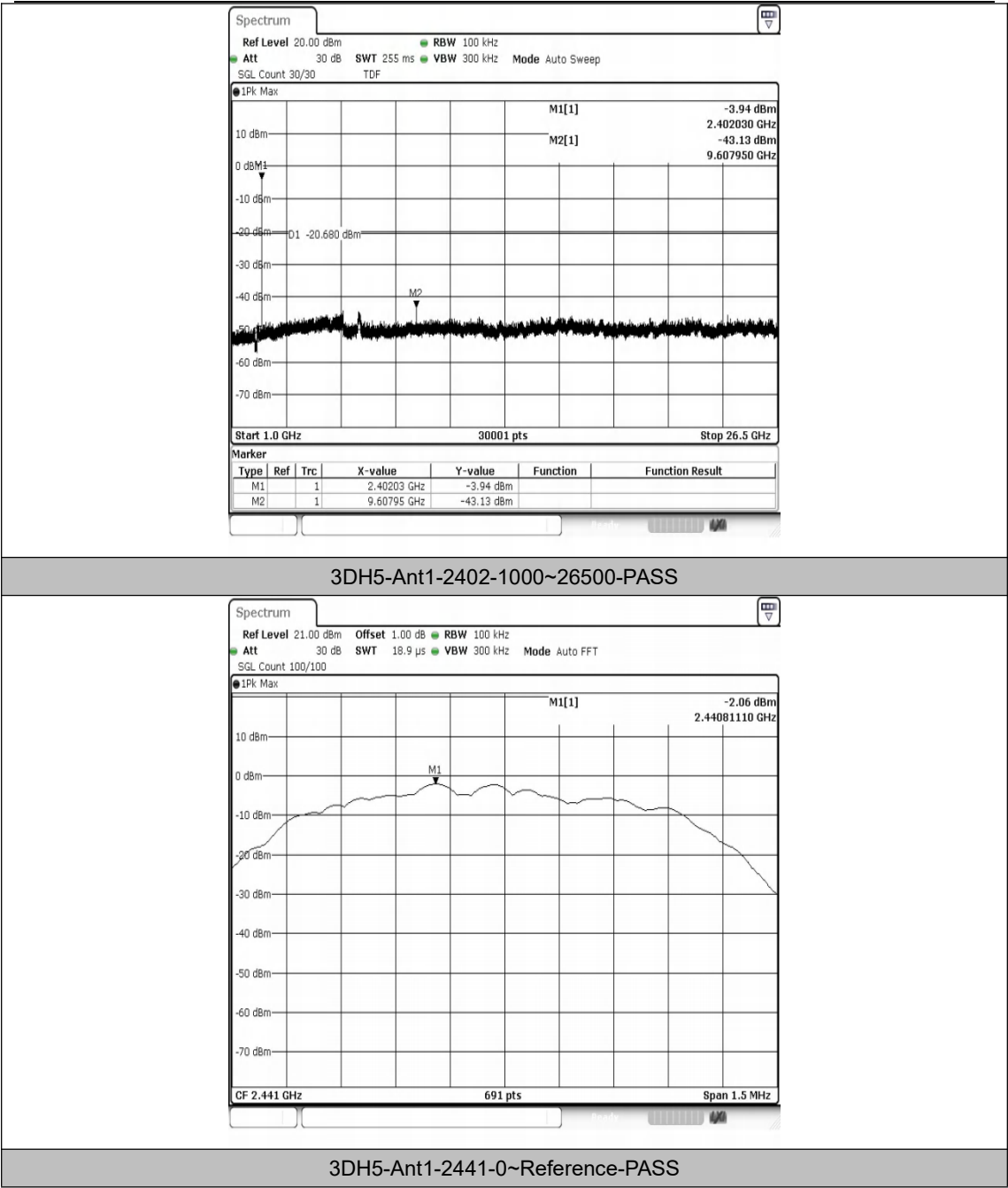
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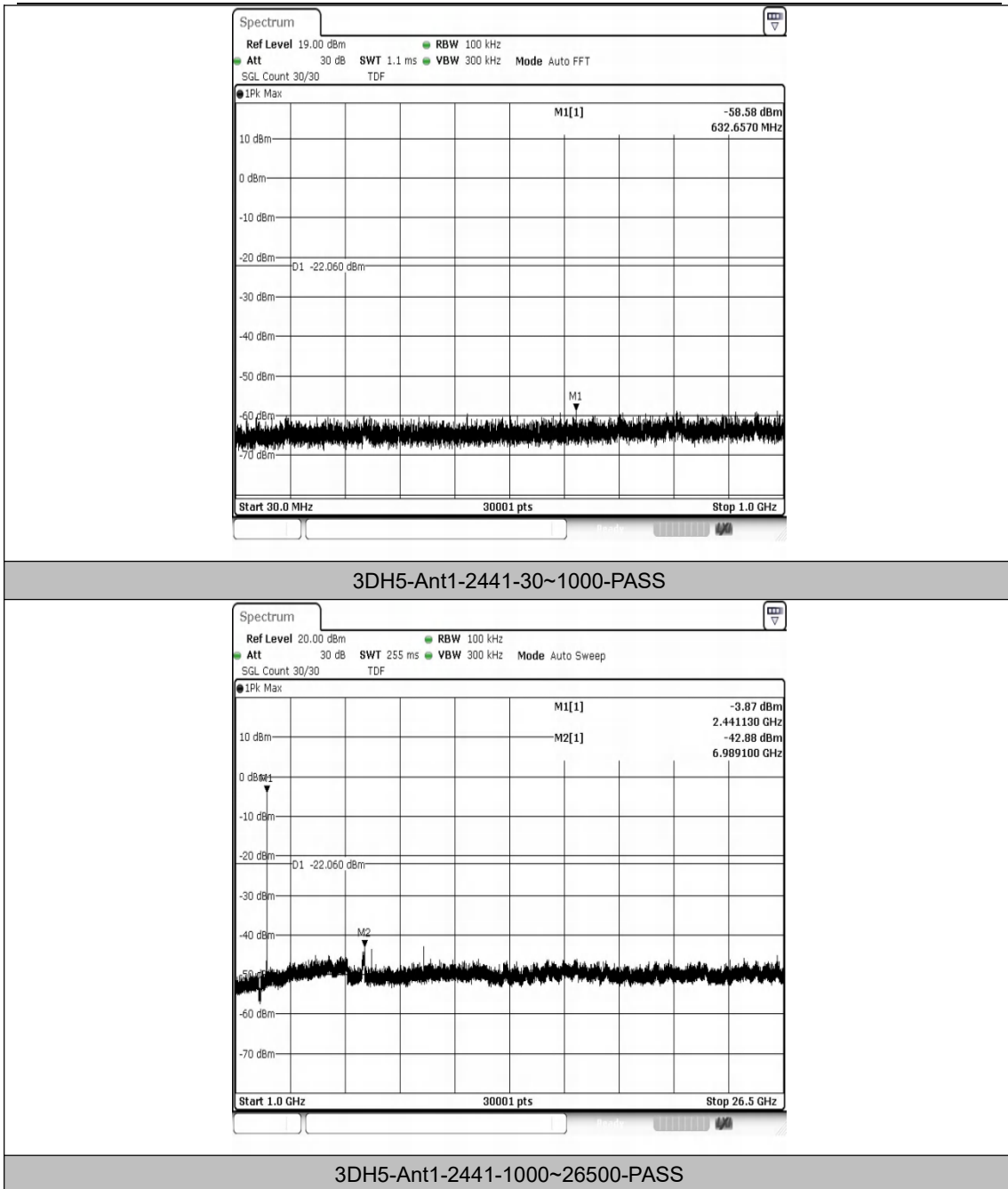
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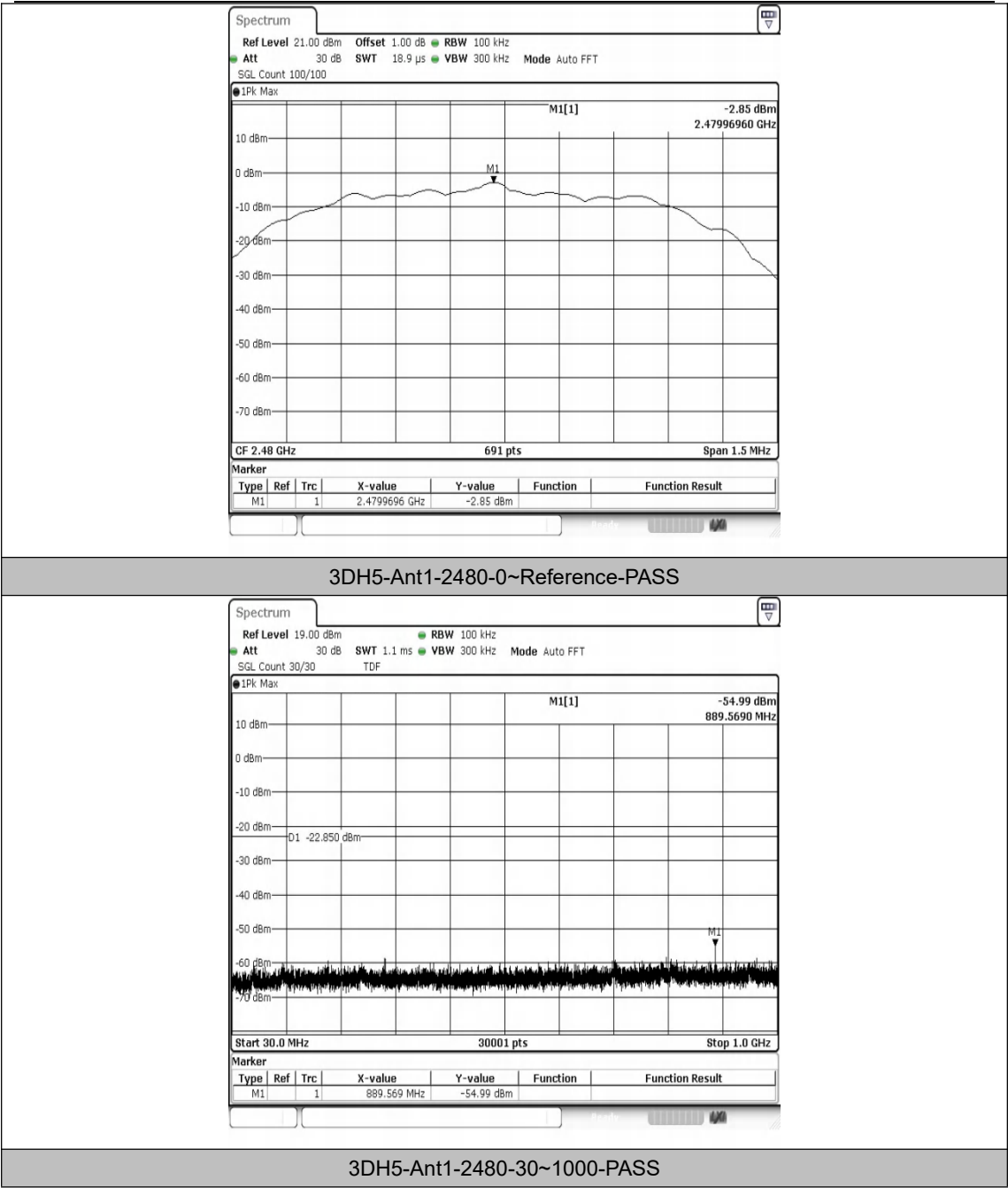




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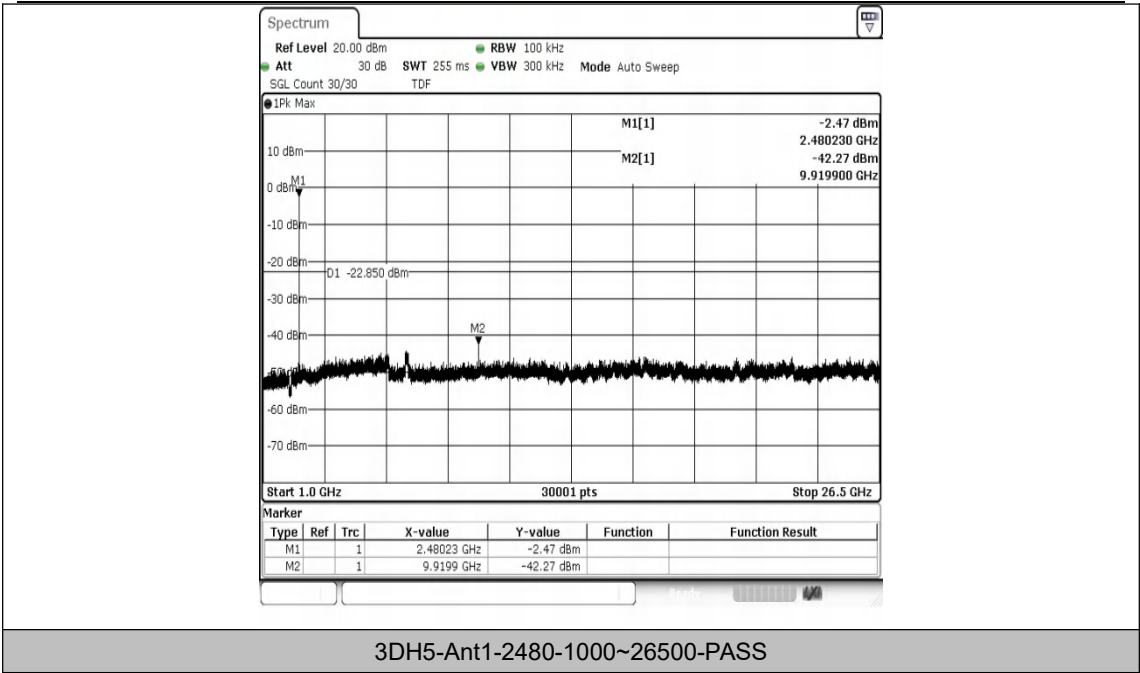
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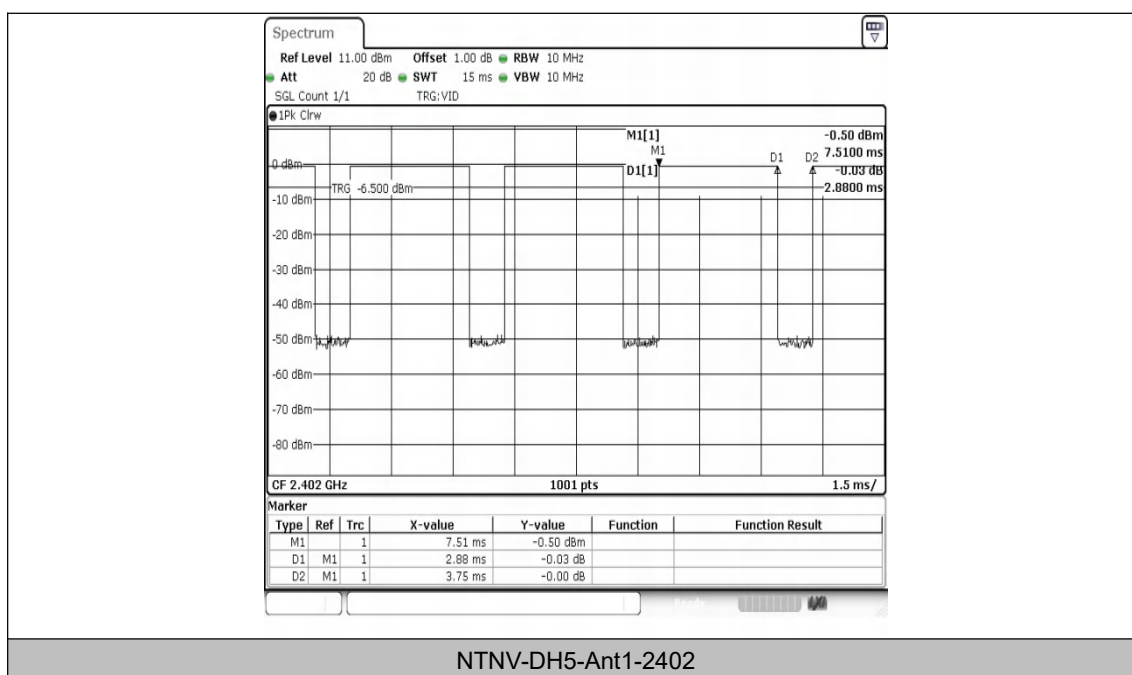
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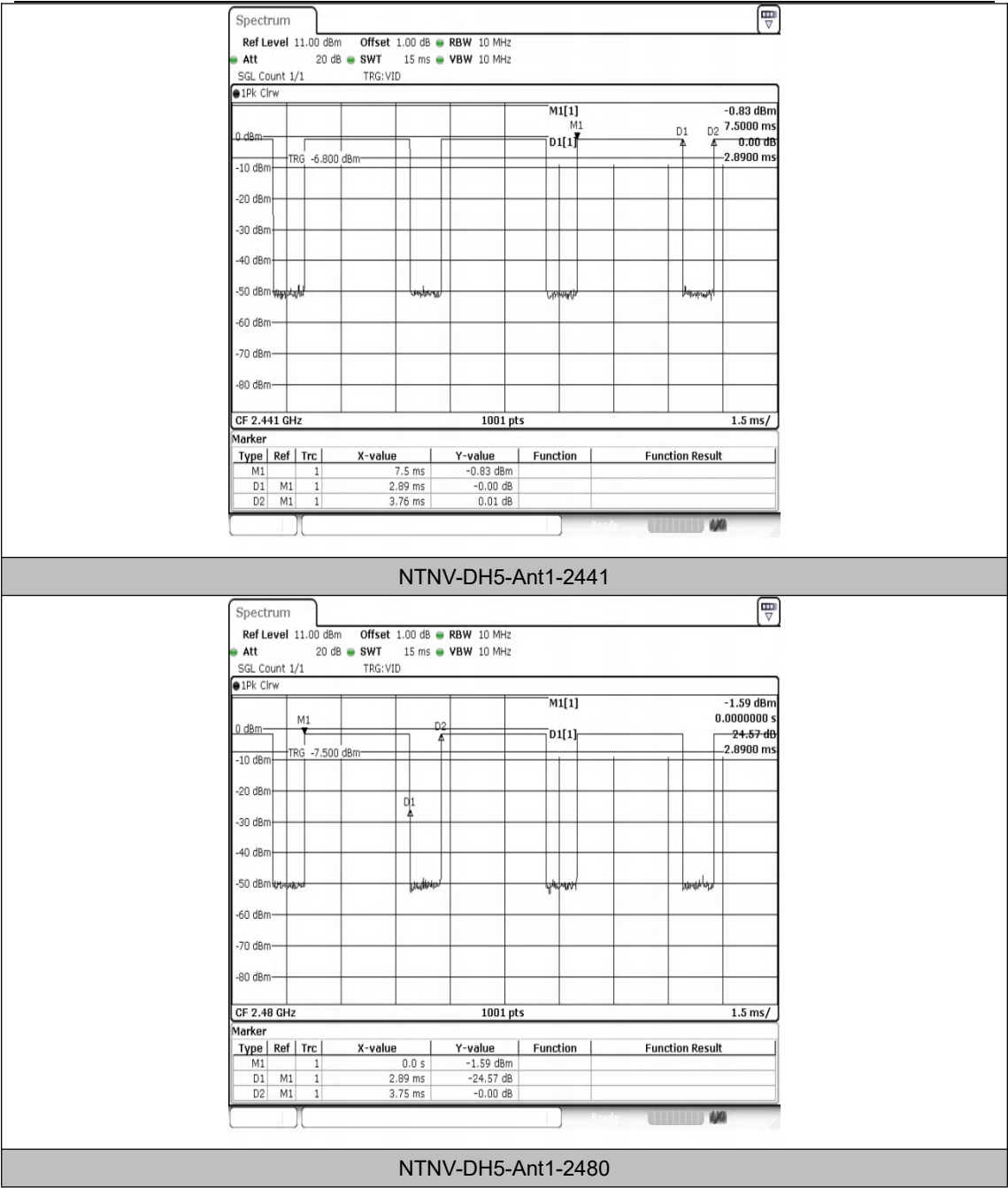
Appendix I: Duty Cycle

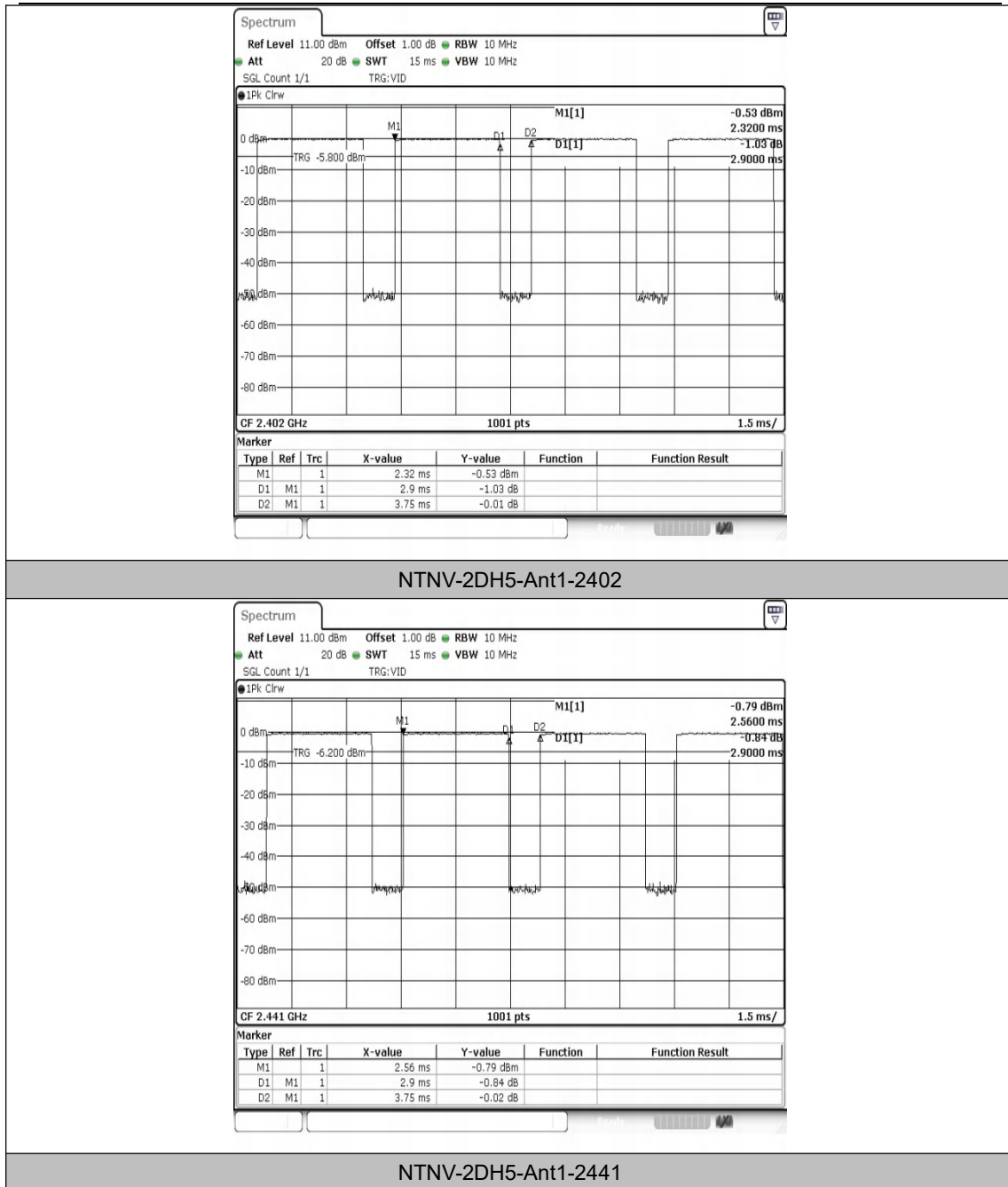
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
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	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

Test Graphs



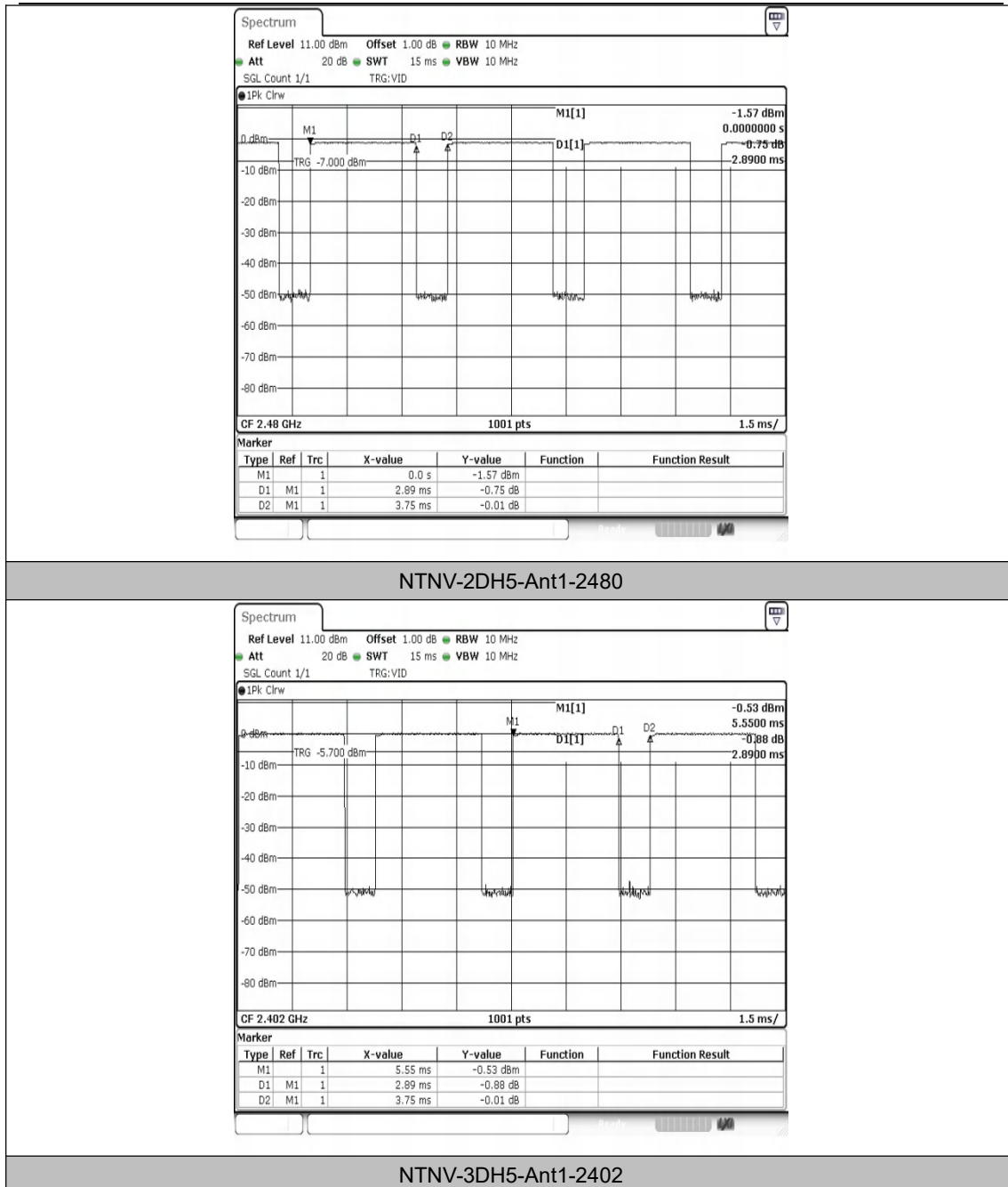


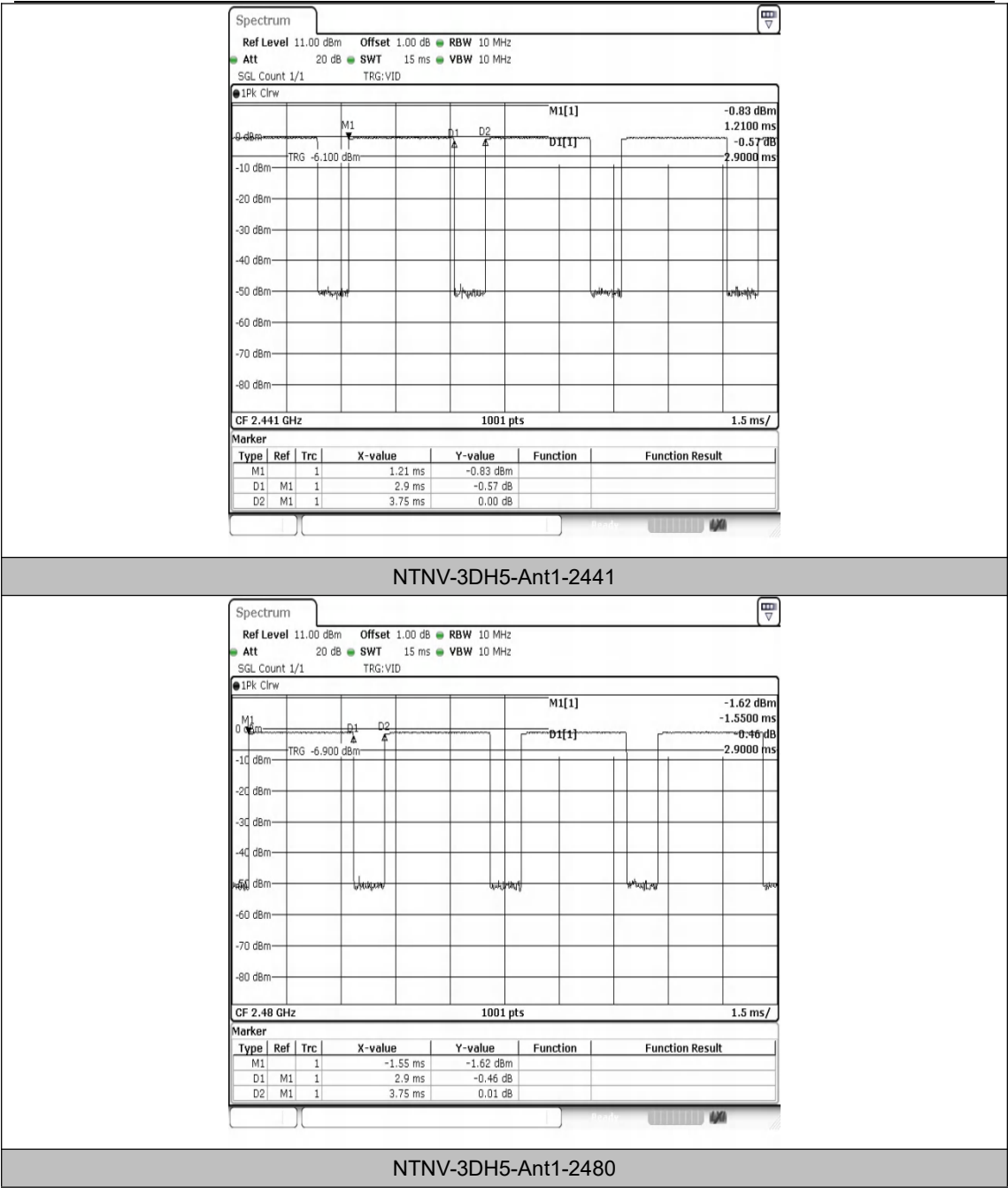


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