

Appendix Test Data

Report No.:	1812C50353912501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-7-21	Finish Test Date:	2025-8-19
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	55%
Pressure:	101kPa		

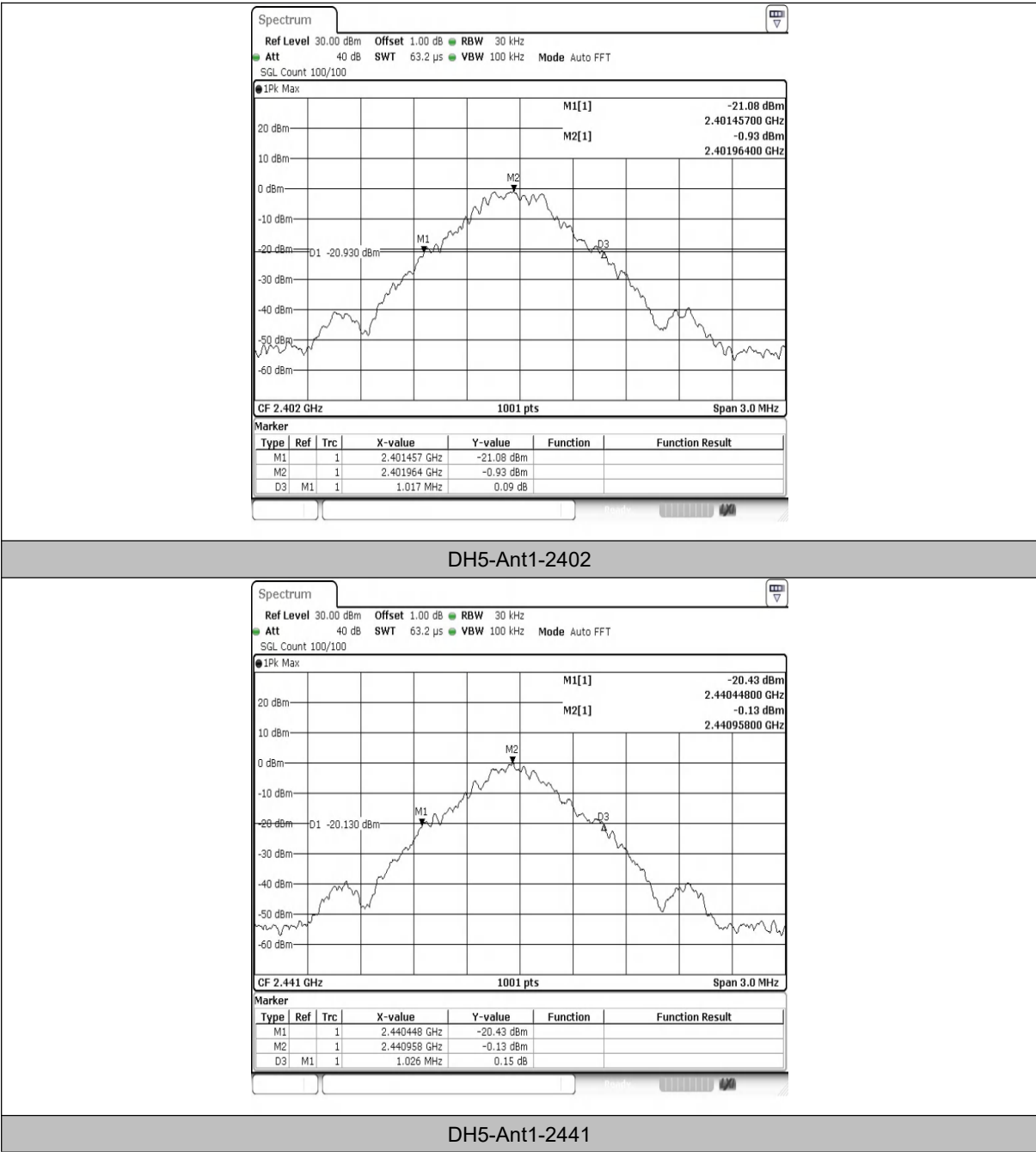


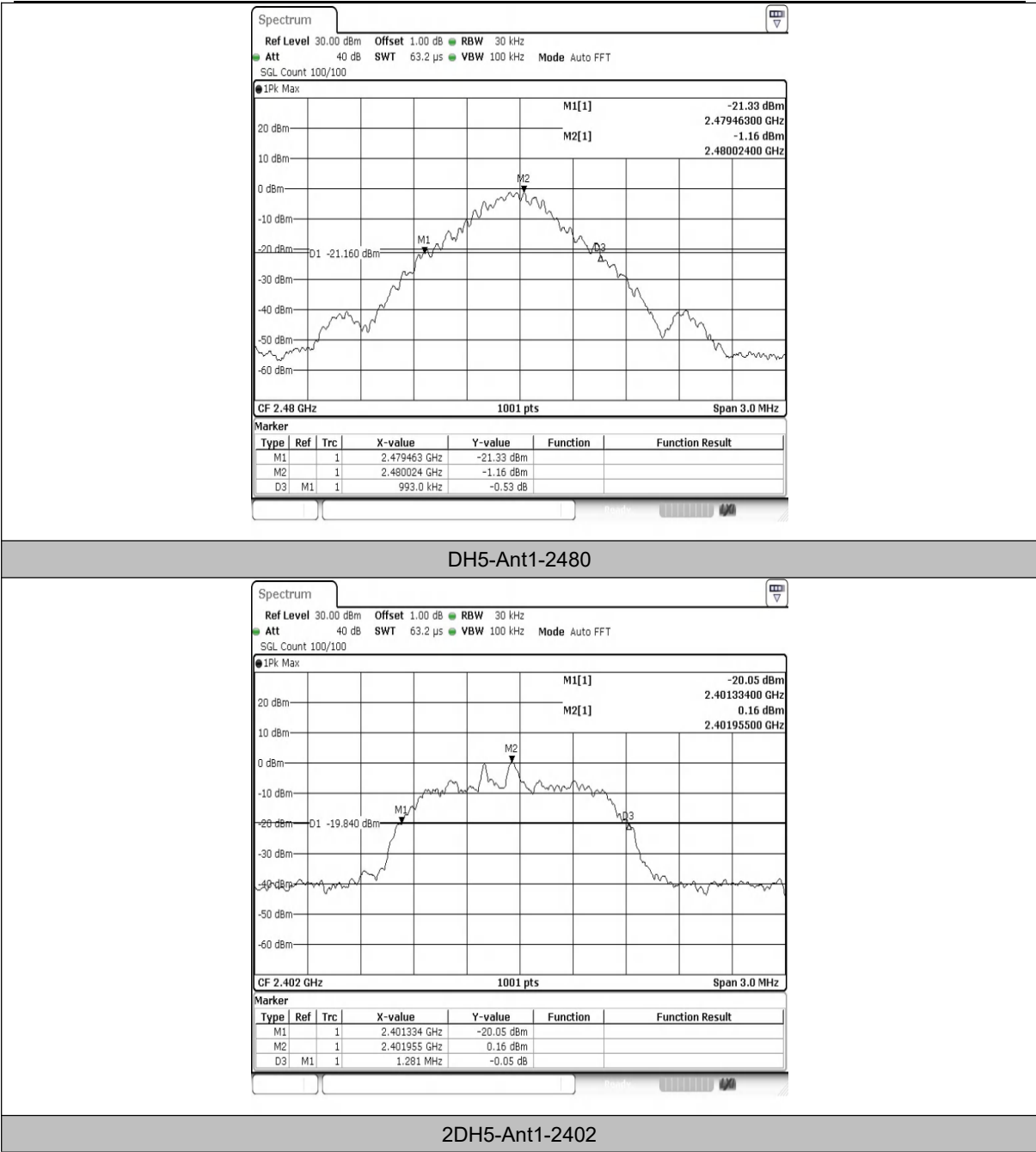
Appendix A: 20dB Bandwidth

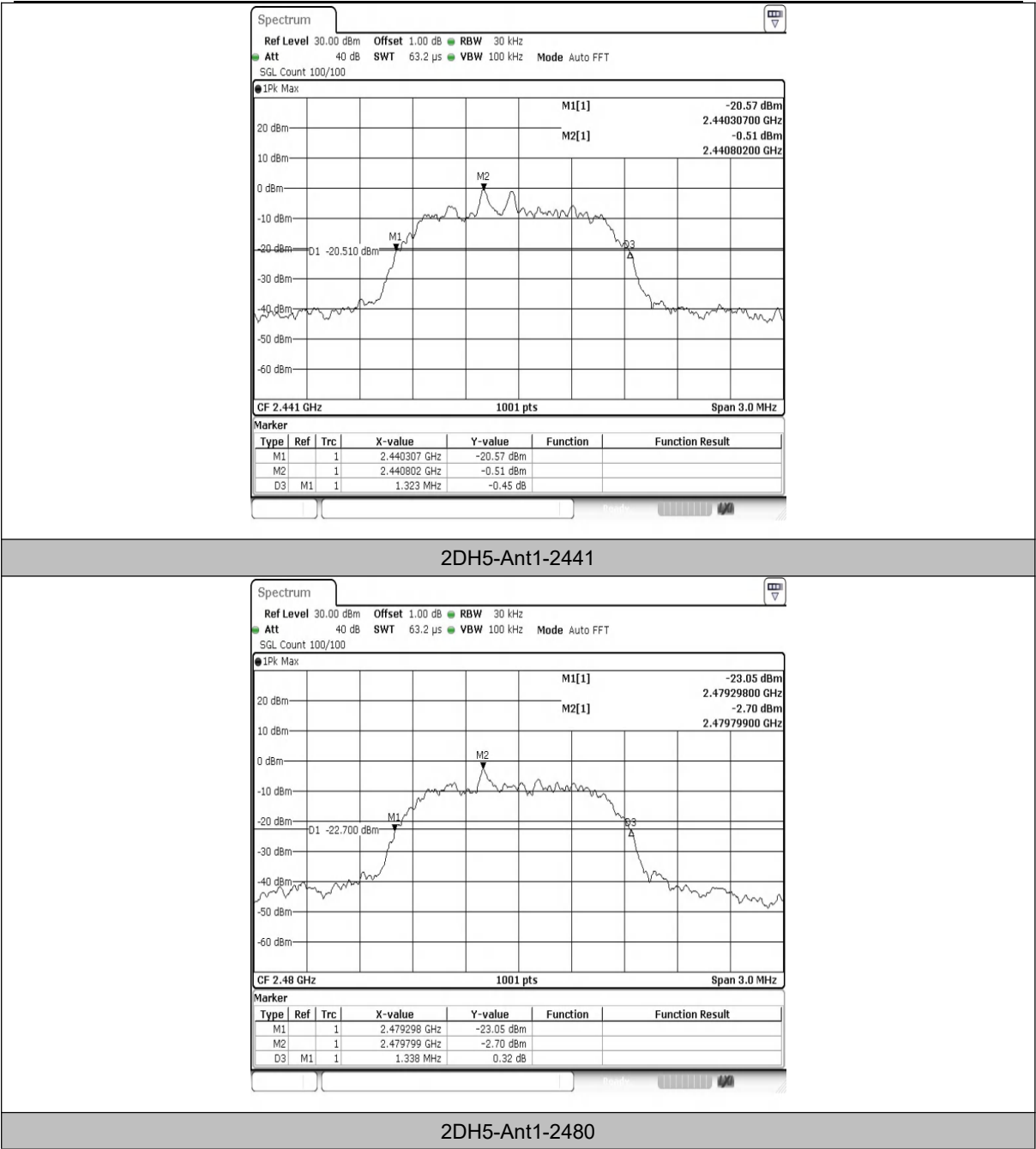
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.02	2401.46	2402.47	---	---
DH5	Ant1	2441	1.03	2440.45	2441.47	---	---
DH5	Ant1	2480	0.99	2479.46	2480.46	---	---
2DH5	Ant1	2402	1.28	2401.33	2402.61	---	---
2DH5	Ant1	2441	1.32	2440.31	2441.63	---	---
2DH5	Ant1	2480	1.34	2479.30	2480.64	---	---
3DH5	Ant1	2402	1.27	2401.32	2402.59	---	---
3DH5	Ant1	2441	1.30	2440.32	2441.61	---	---
3DH5	Ant1	2480	1.31	2479.32	2480.63	---	---

Test Graphs



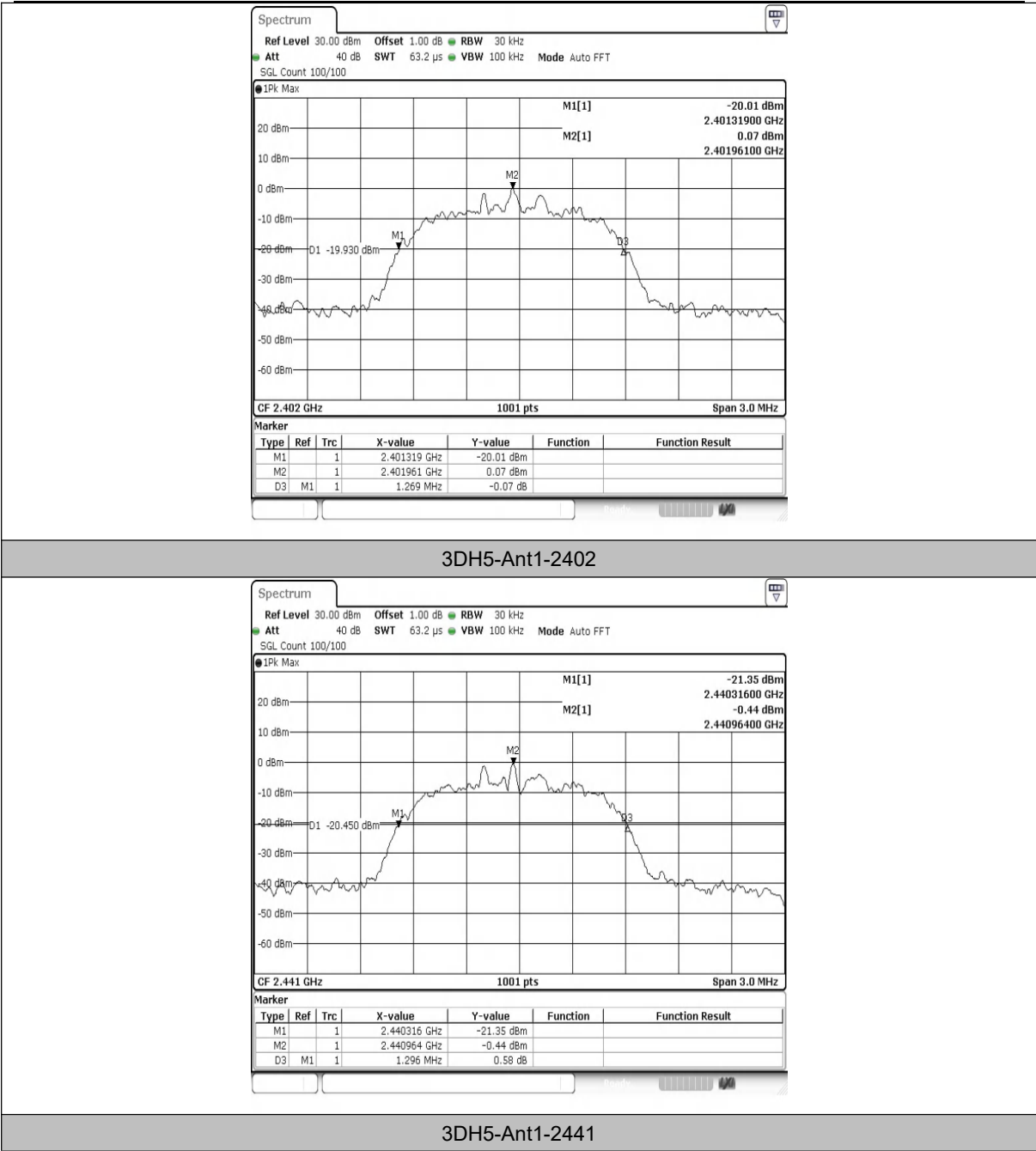


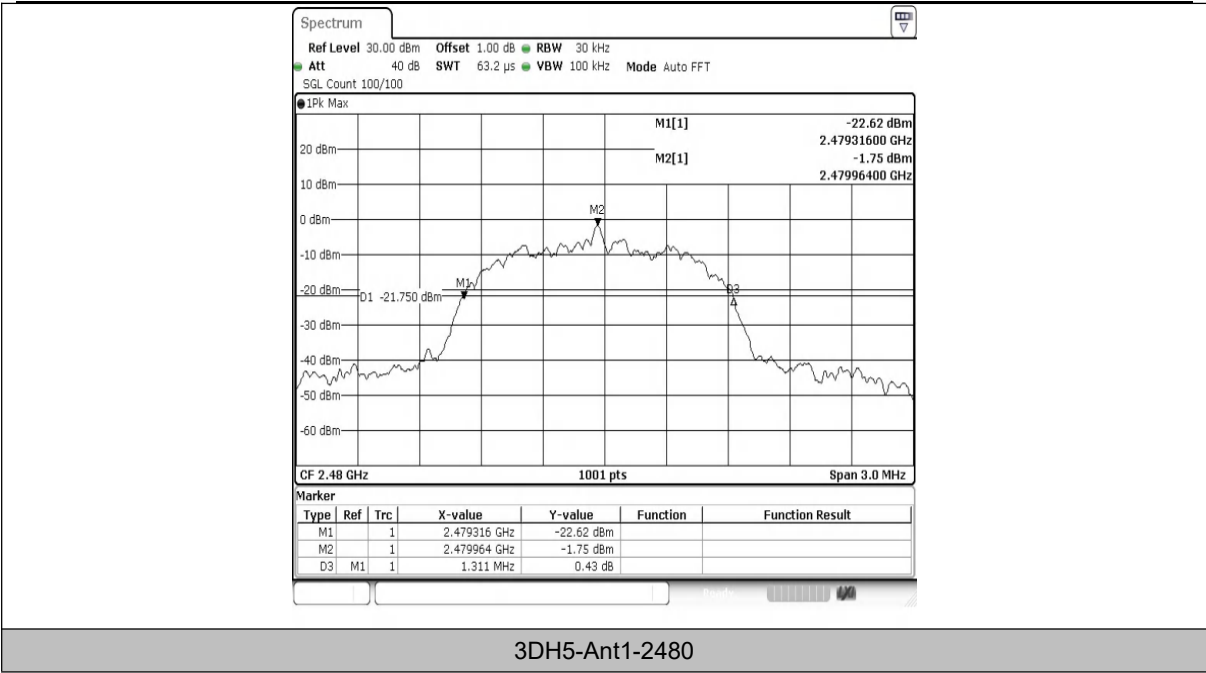


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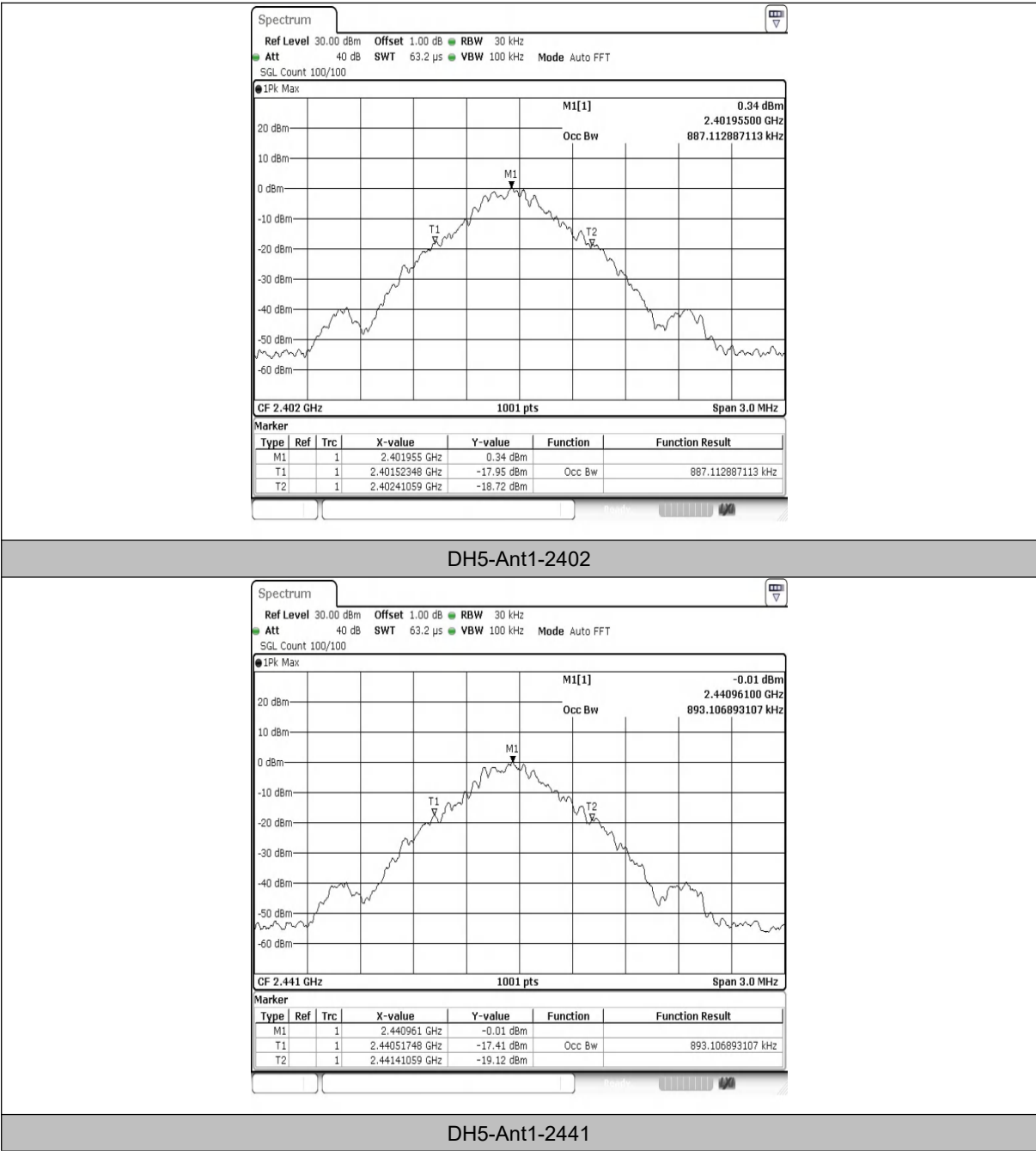
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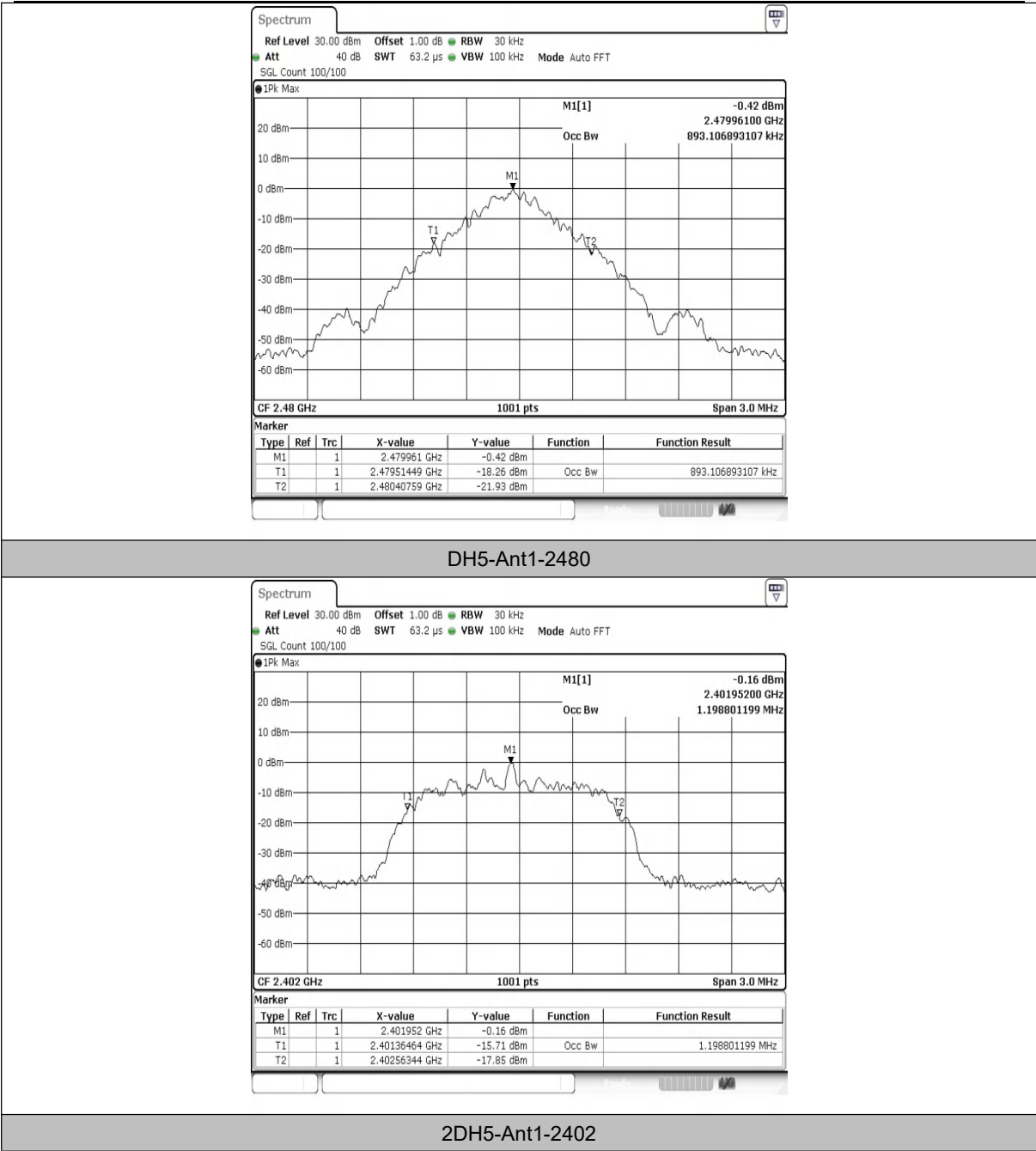
Appendix B: 99% Occupied Bandwidth

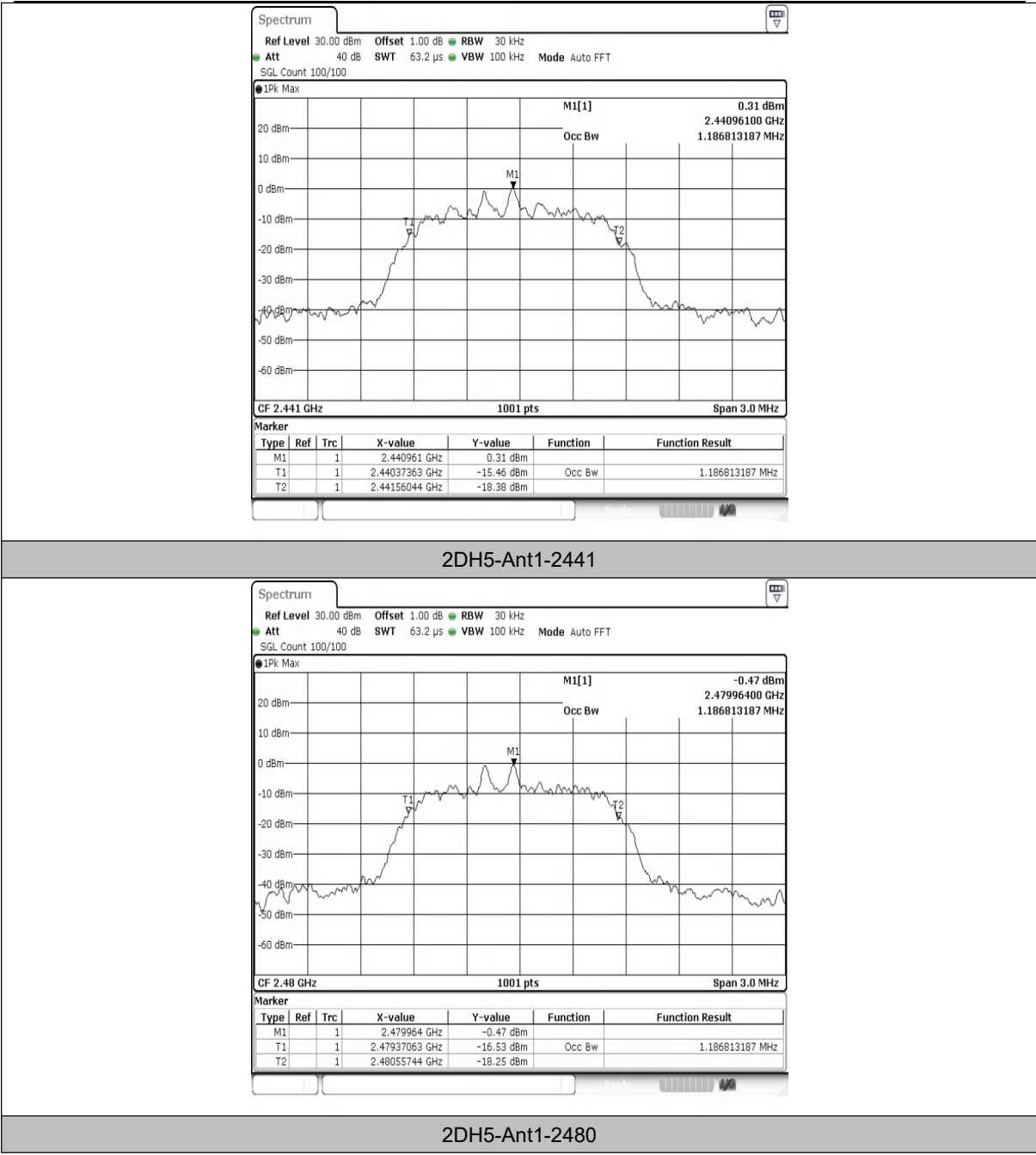
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88711	2401.5235	2402.4106	---	---
DH5	Ant1	2441	0.89311	2440.5175	2441.4106	---	---
DH5	Ant1	2480	0.89311	2479.5145	2480.4076	---	---
2DH5	Ant1	2402	1.1988	2401.3646	2402.5634	---	---
2DH5	Ant1	2441	1.1868	2440.3736	2441.5604	---	---
2DH5	Ant1	2480	1.1868	2479.3706	2480.5574	---	---
3DH5	Ant1	2402	1.1988	2401.3616	2402.5604	---	---
3DH5	Ant1	2441	1.2138	2440.3556	2441.5694	---	---
3DH5	Ant1	2480	1.2138	2479.3526	2480.5664	---	---

Test Graphs



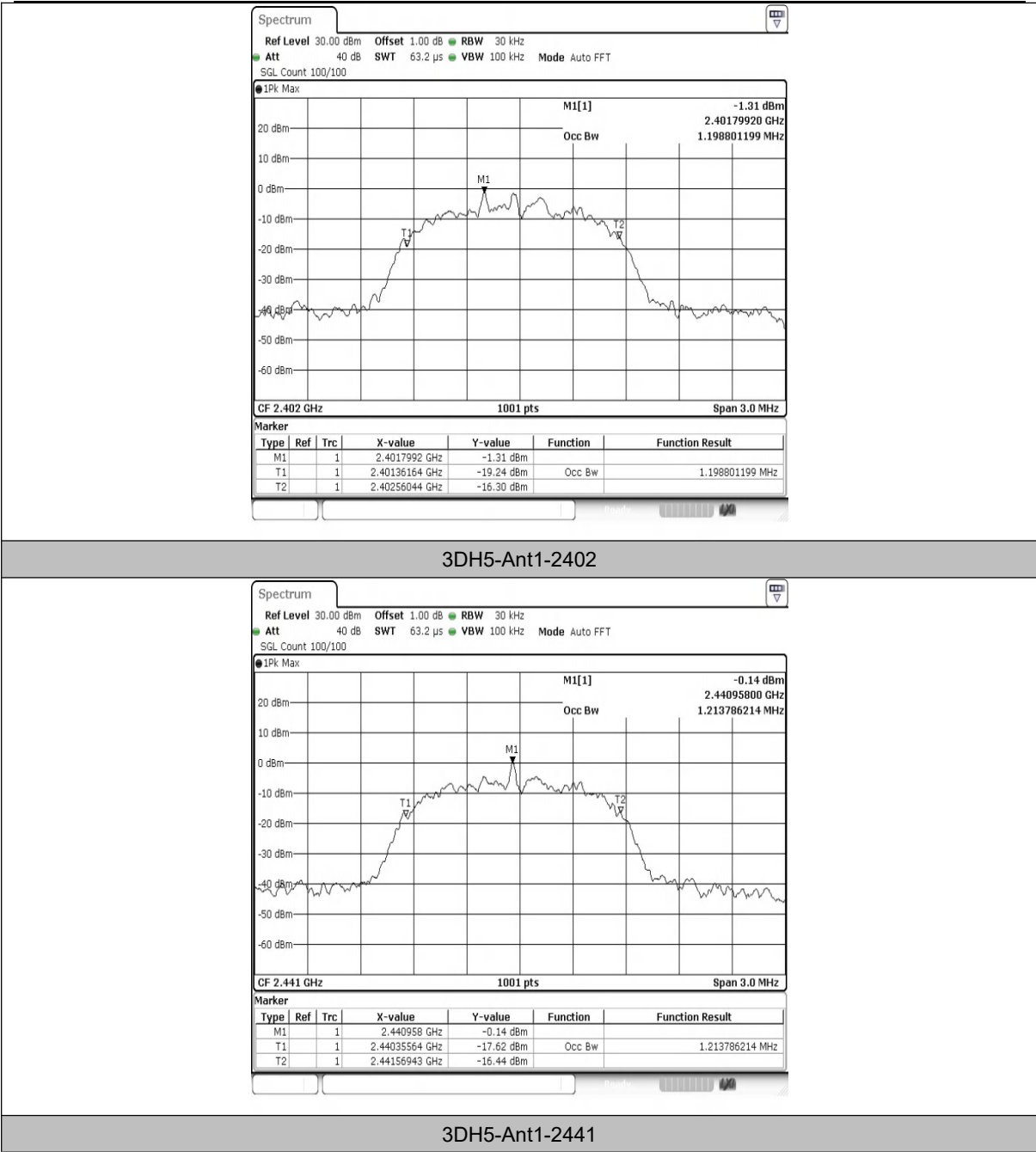


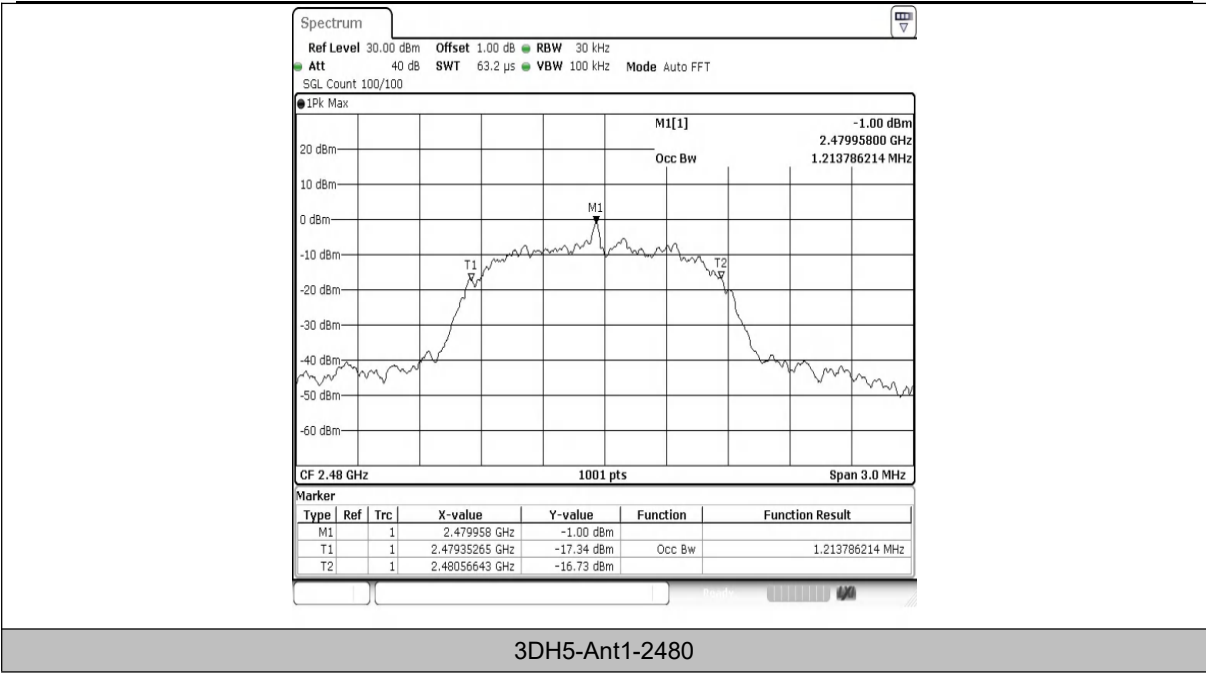


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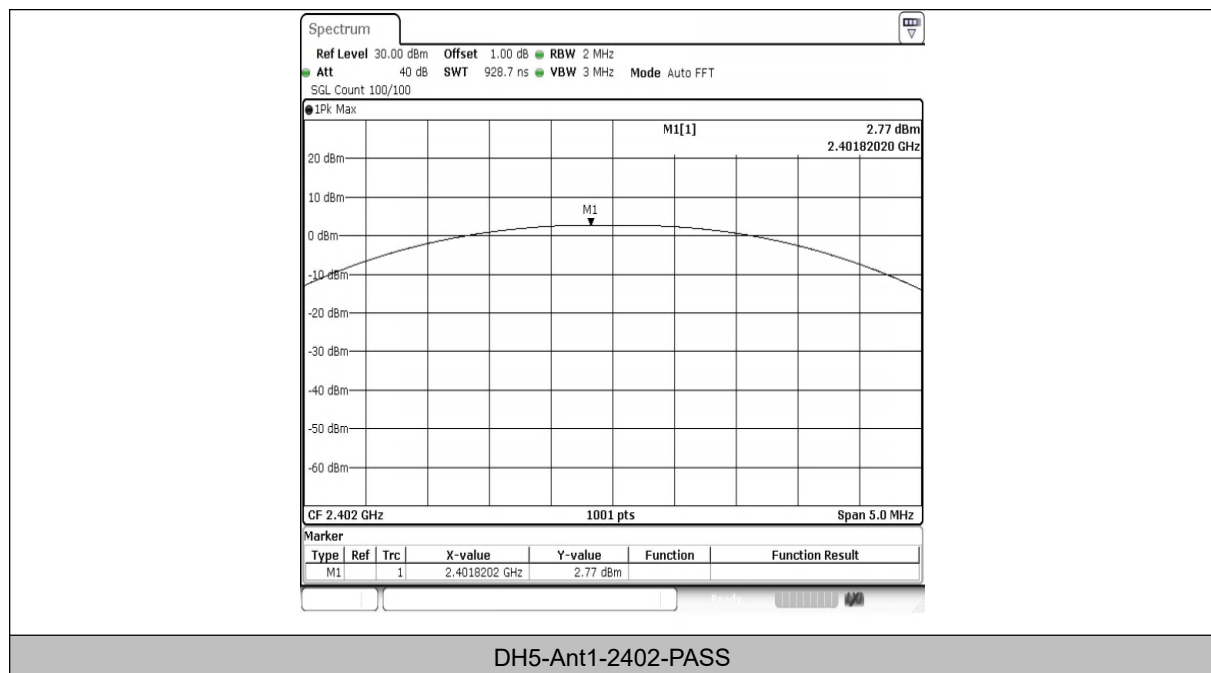
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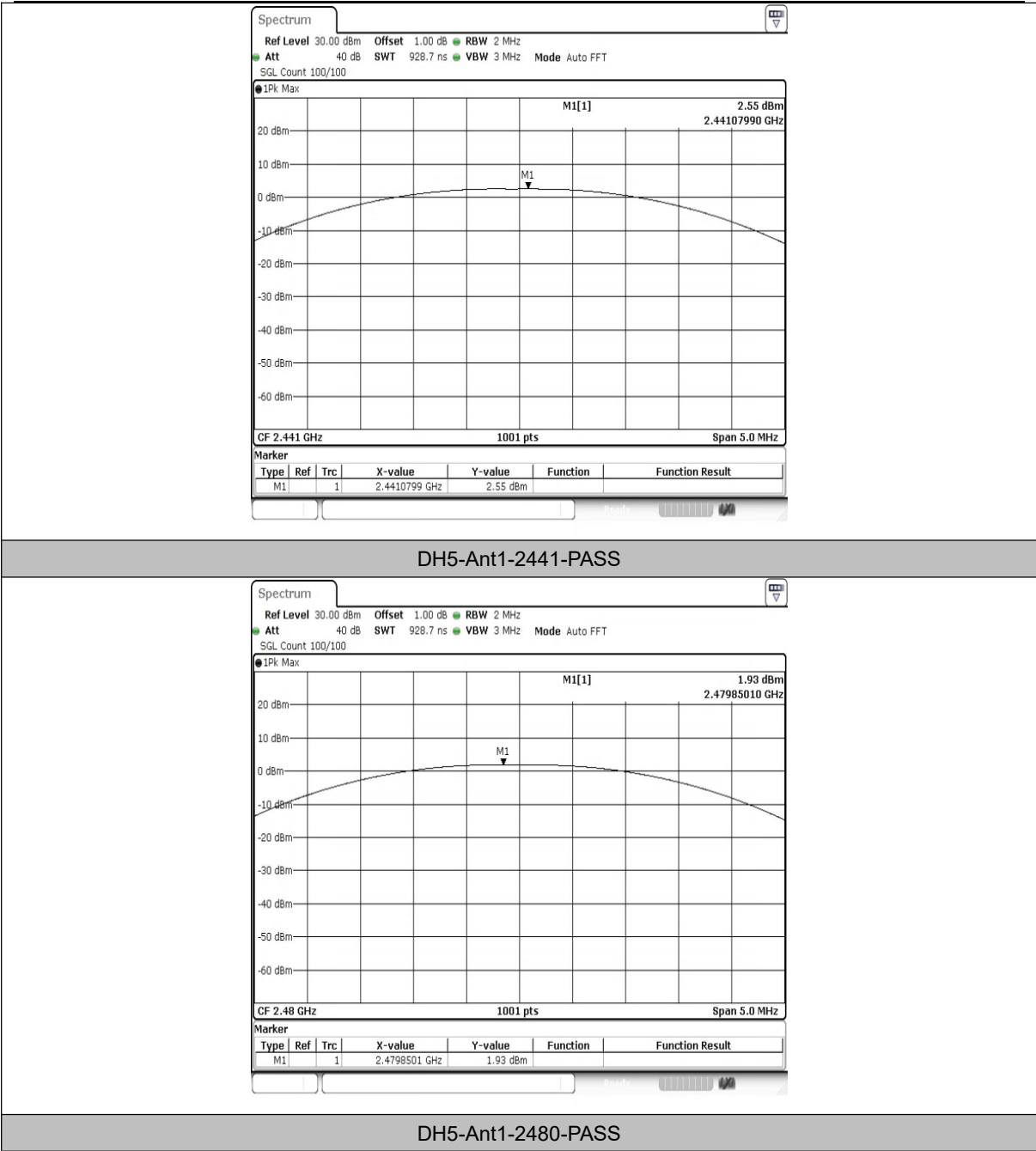
Appendix C: Maximum Conducted Output Power

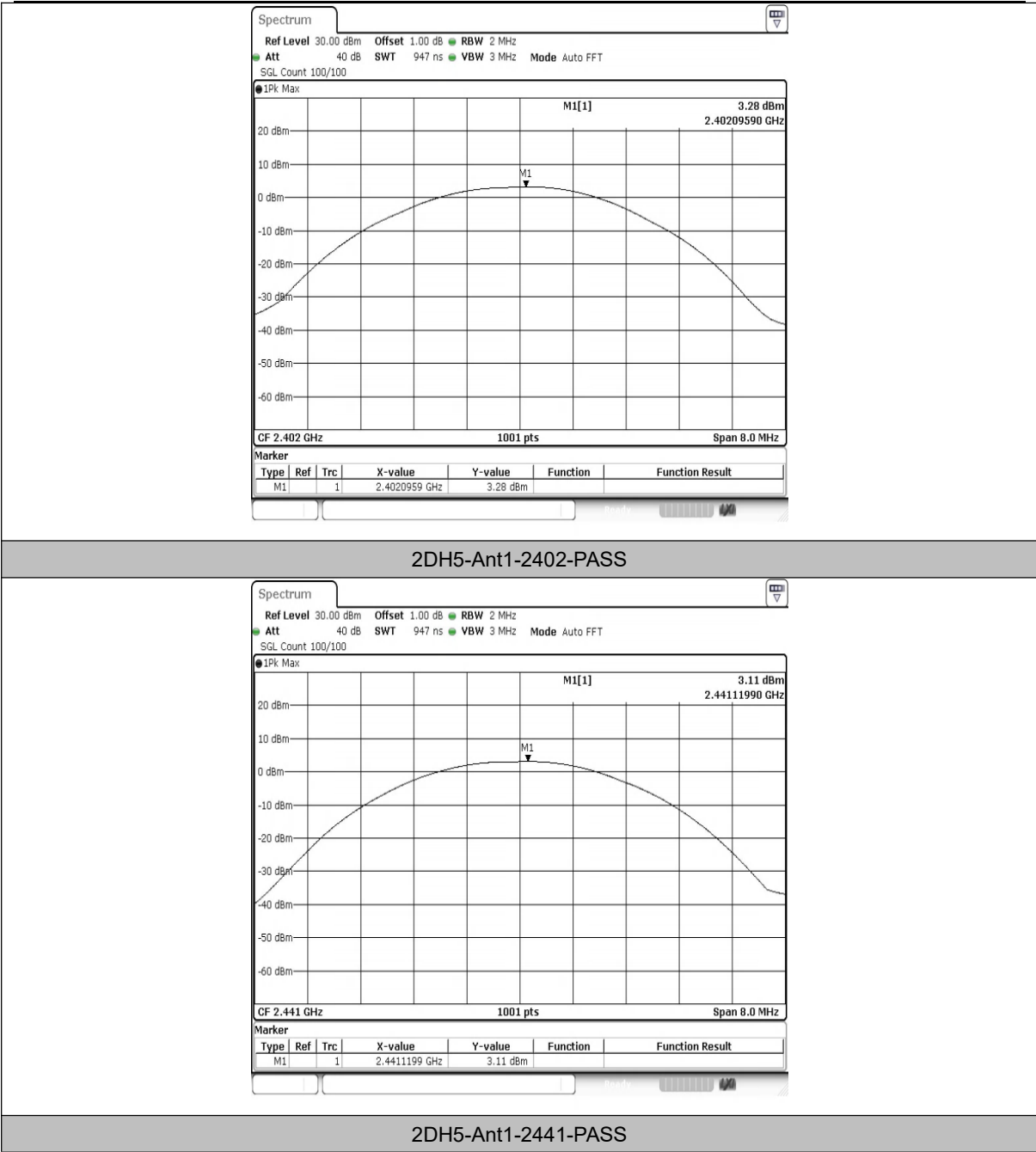
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.77	≤20.97	PASS
DH5	Ant1	2441	2.55	≤20.97	PASS
DH5	Ant1	2480	1.93	≤20.97	PASS
2DH5	Ant1	2402	3.28	≤20.97	PASS
2DH5	Ant1	2441	3.11	≤20.97	PASS
2DH5	Ant1	2480	2.30	≤20.97	PASS
3DH5	Ant1	2402	3.38	≤20.97	PASS
3DH5	Ant1	2441	3.35	≤20.97	PASS
3DH5	Ant1	2480	2.31	≤20.97	PASS

Test Graphs



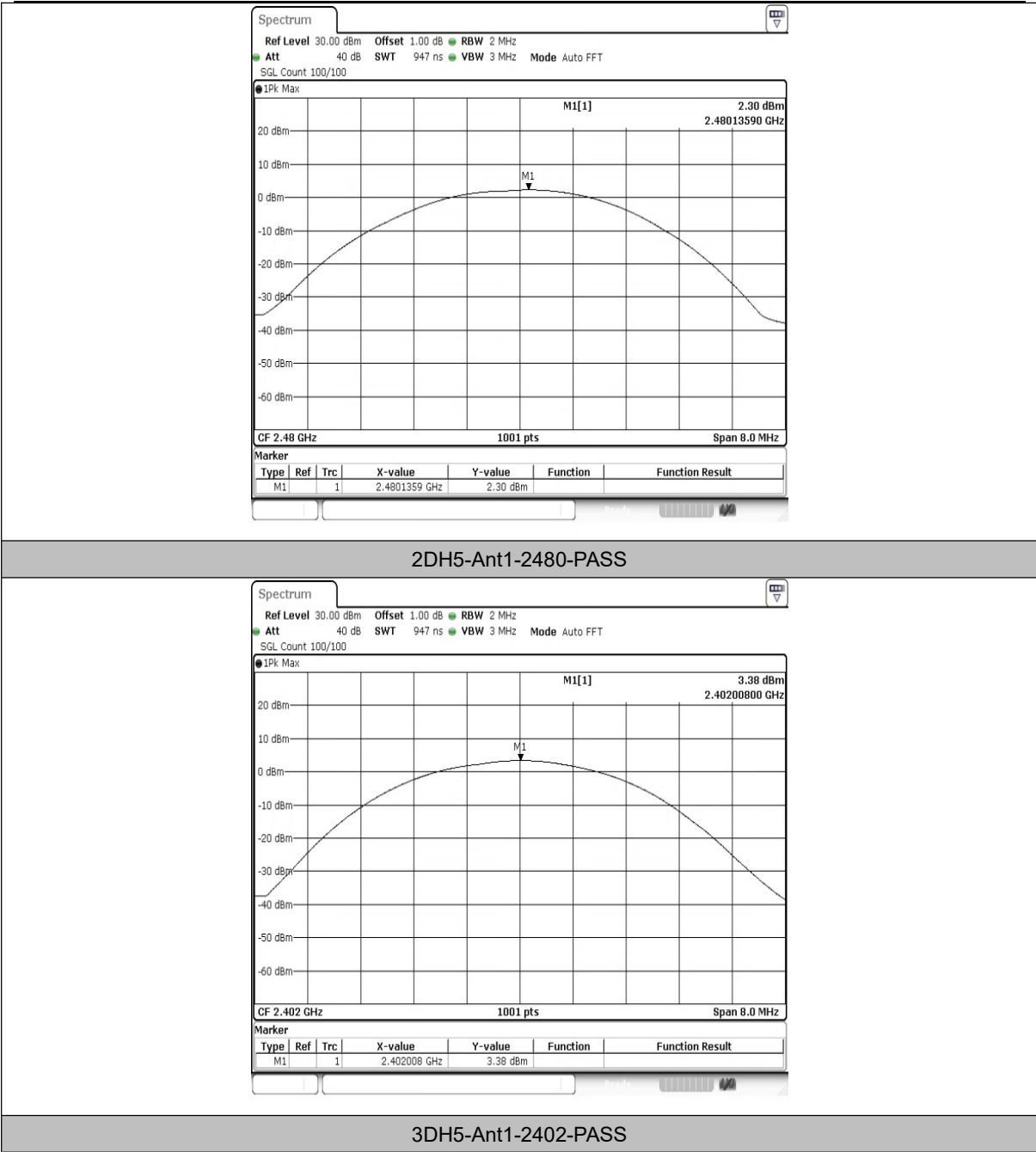




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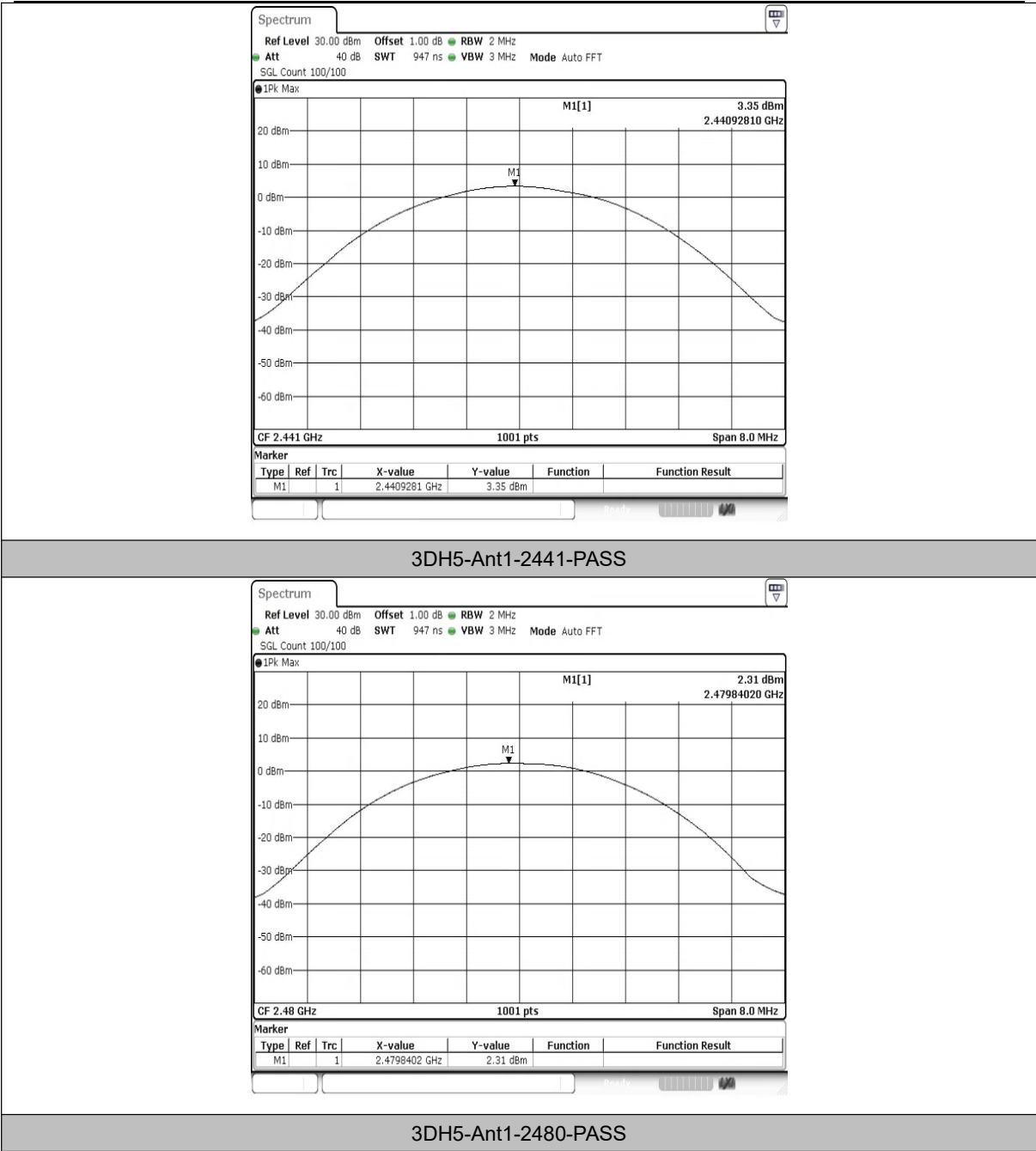
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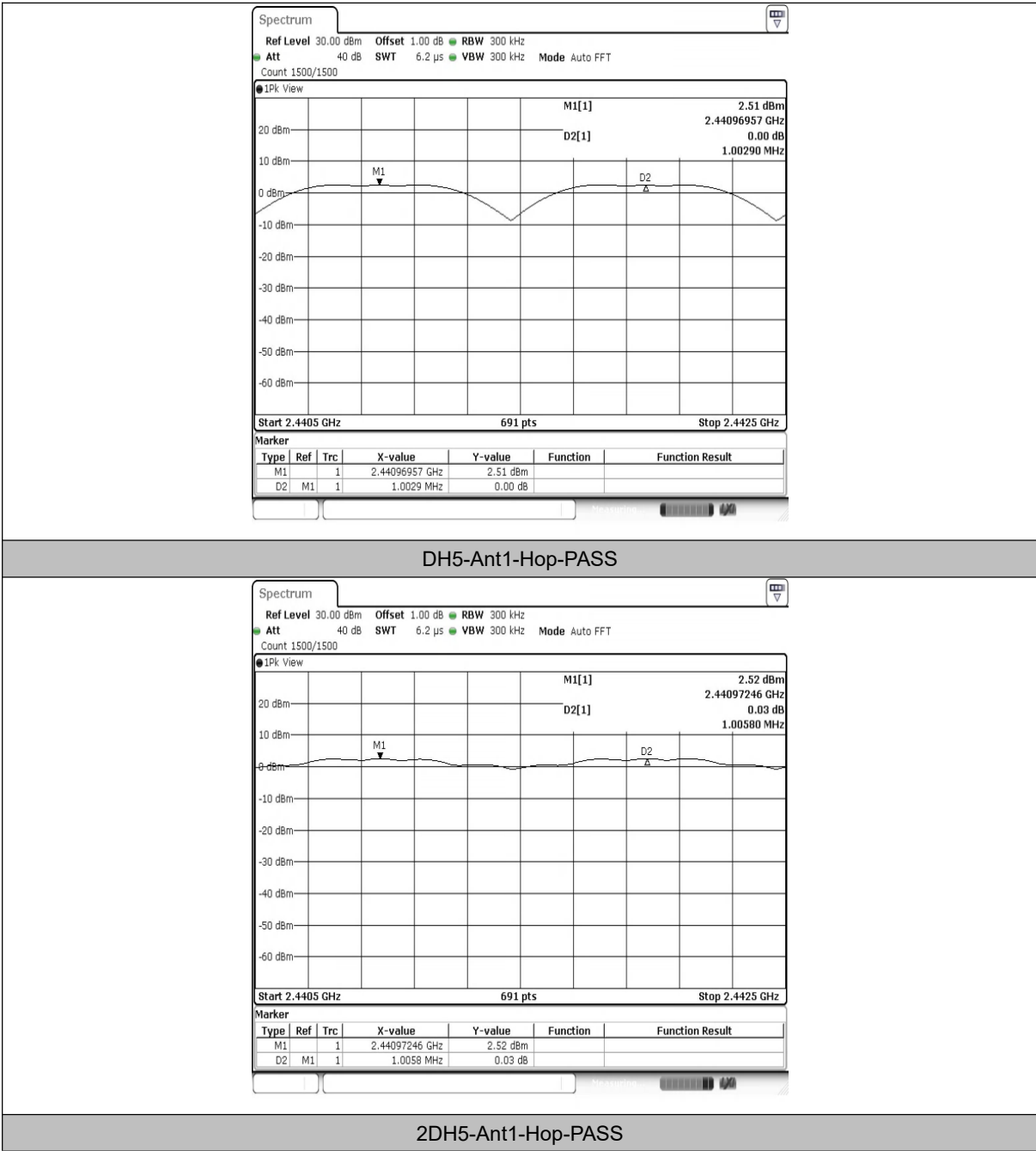
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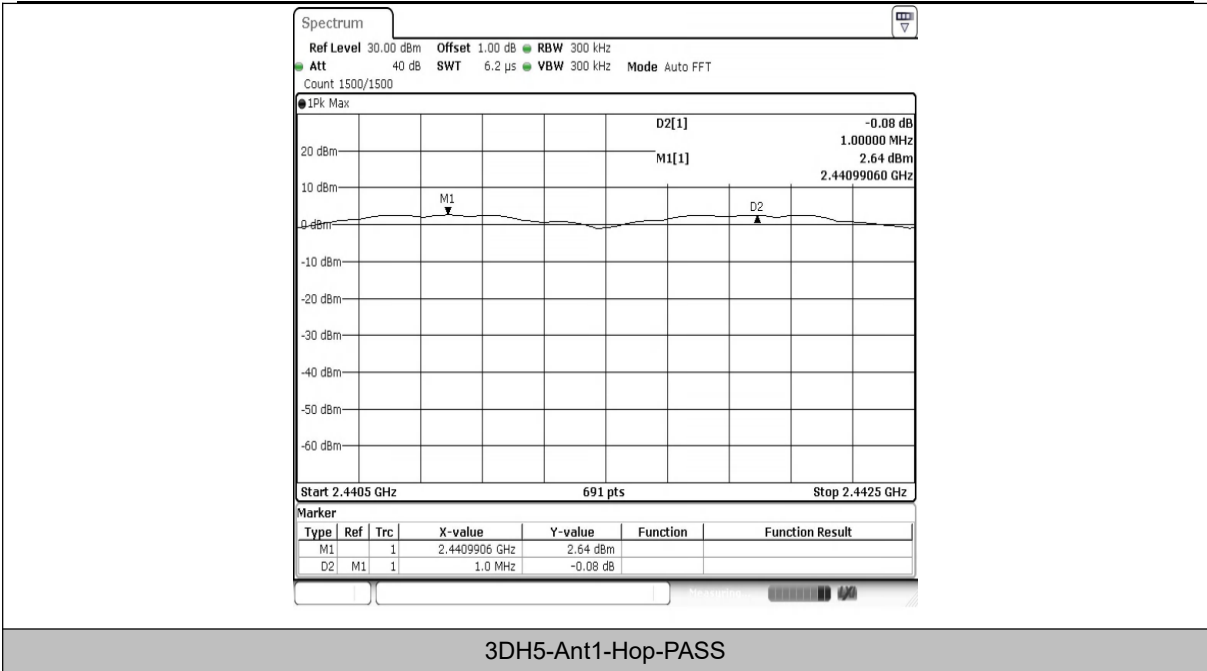
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥ 0.687	PASS
2DH5	Ant1	Hop	1.006	≥ 0.893	PASS
3DH5	Ant1	Hop	1.000	≥ 0.873	PASS

Test Graphs





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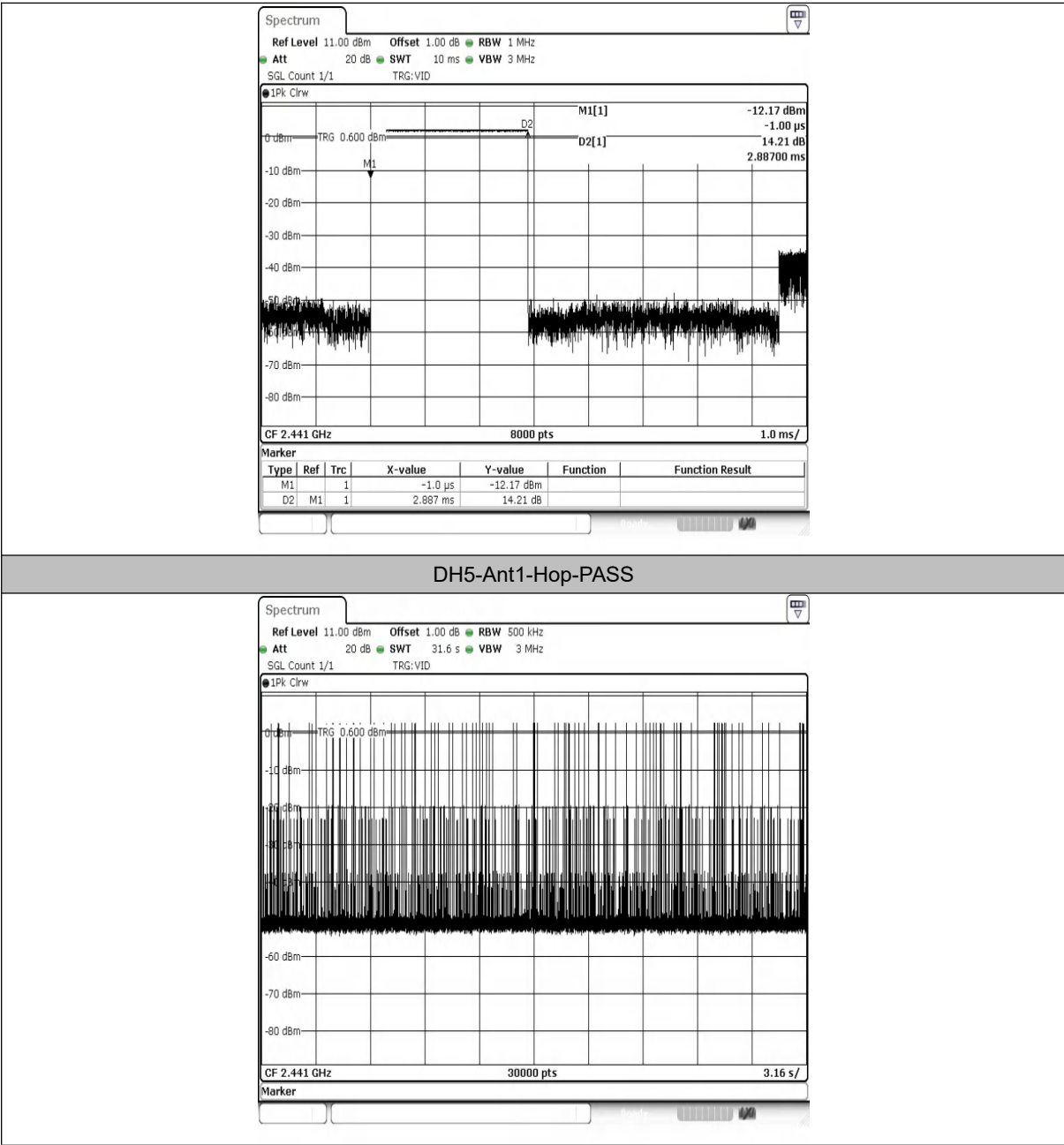
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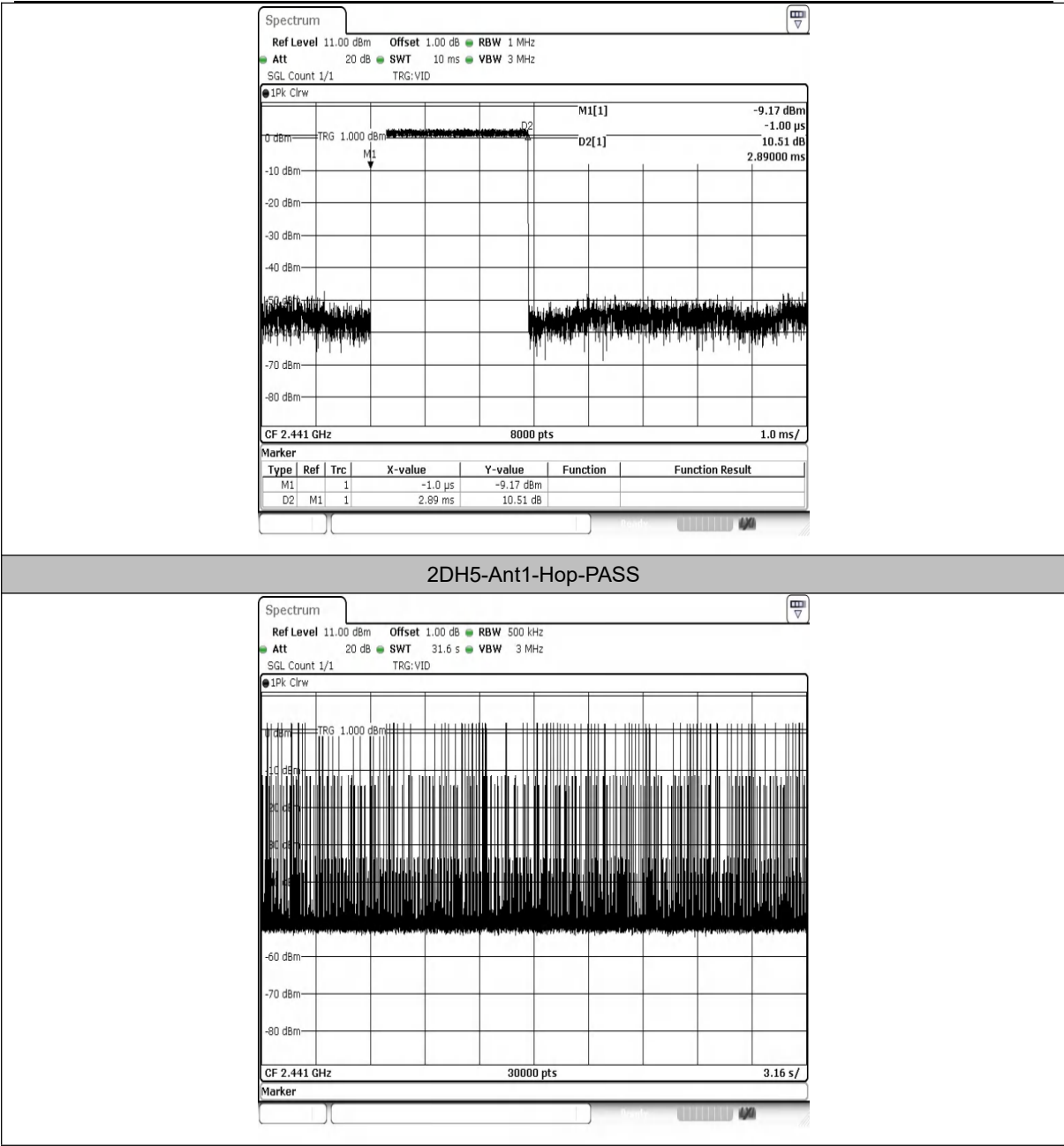
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	88	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.890	107	0.309	≤0.4	PASS
3DH5	Ant1	Hop	2.893	108	0.312	≤0.4	PASS

Test Graphs

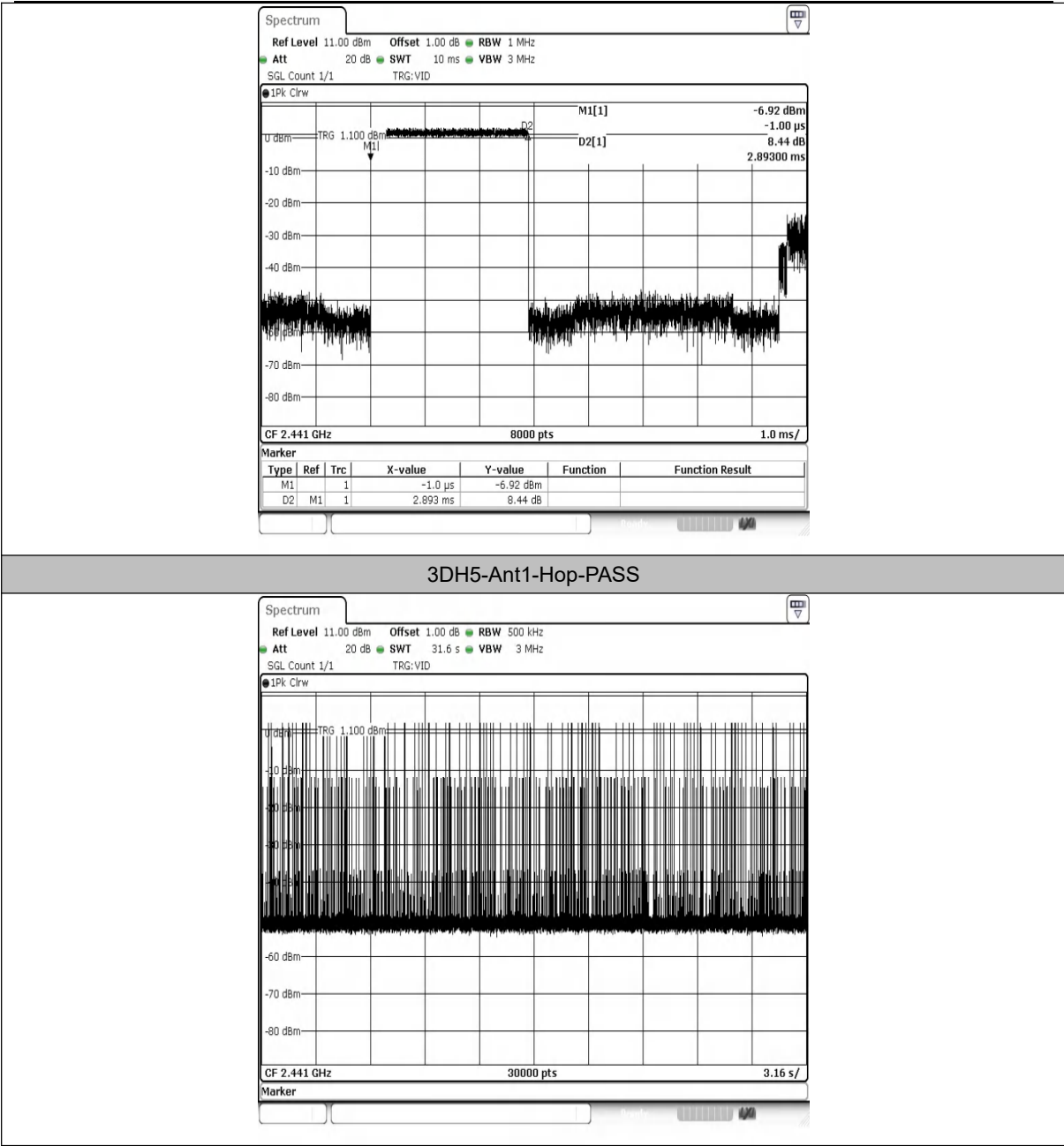




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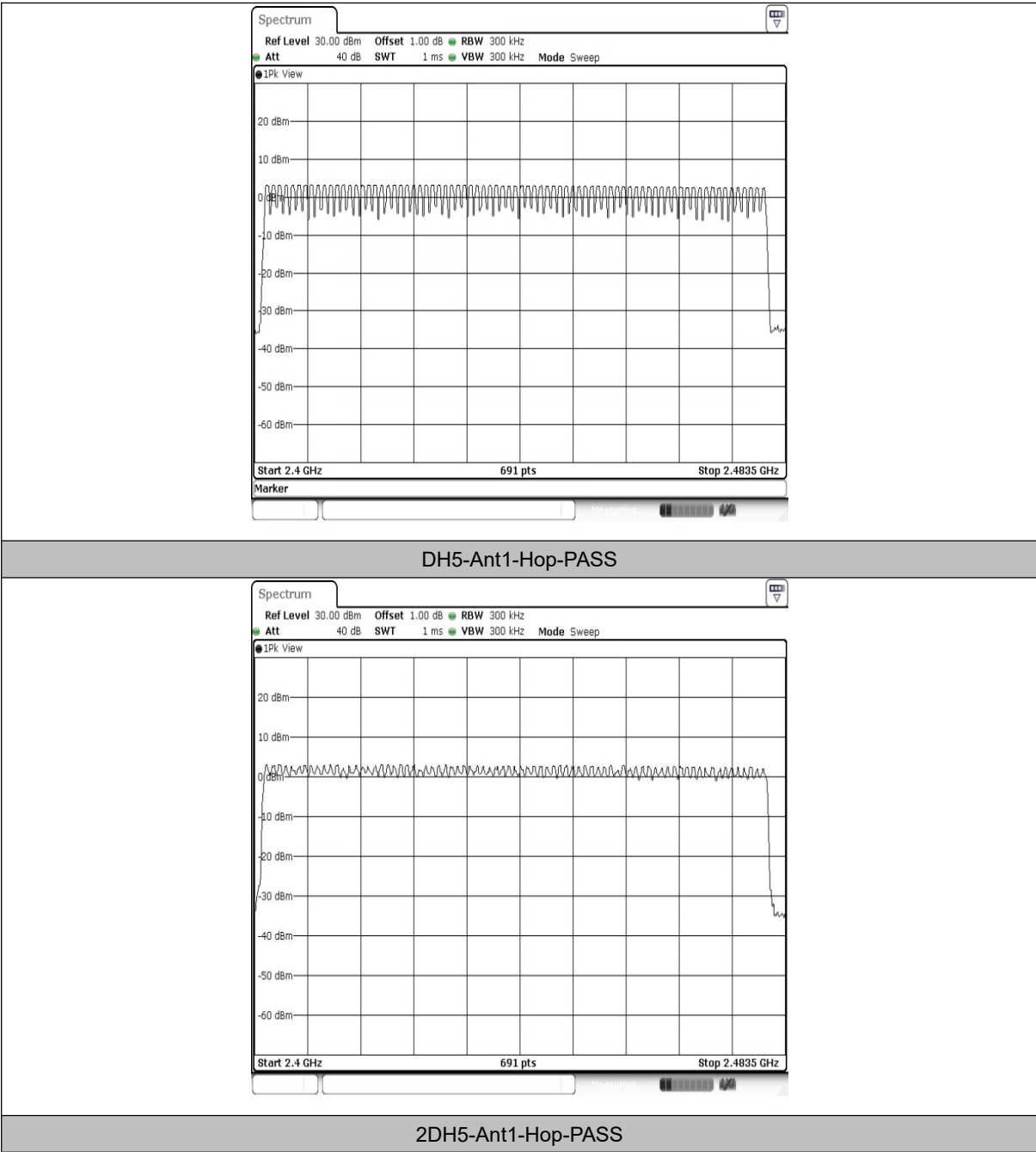
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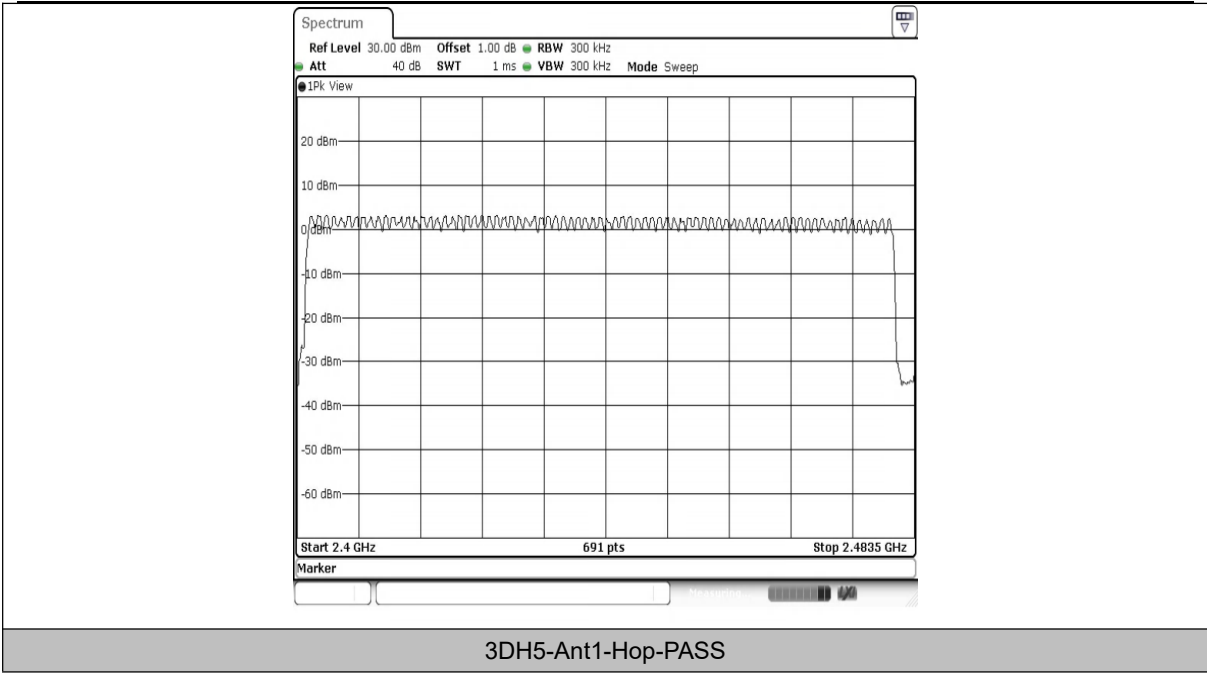
Appendix F: Number of Hopping Channel

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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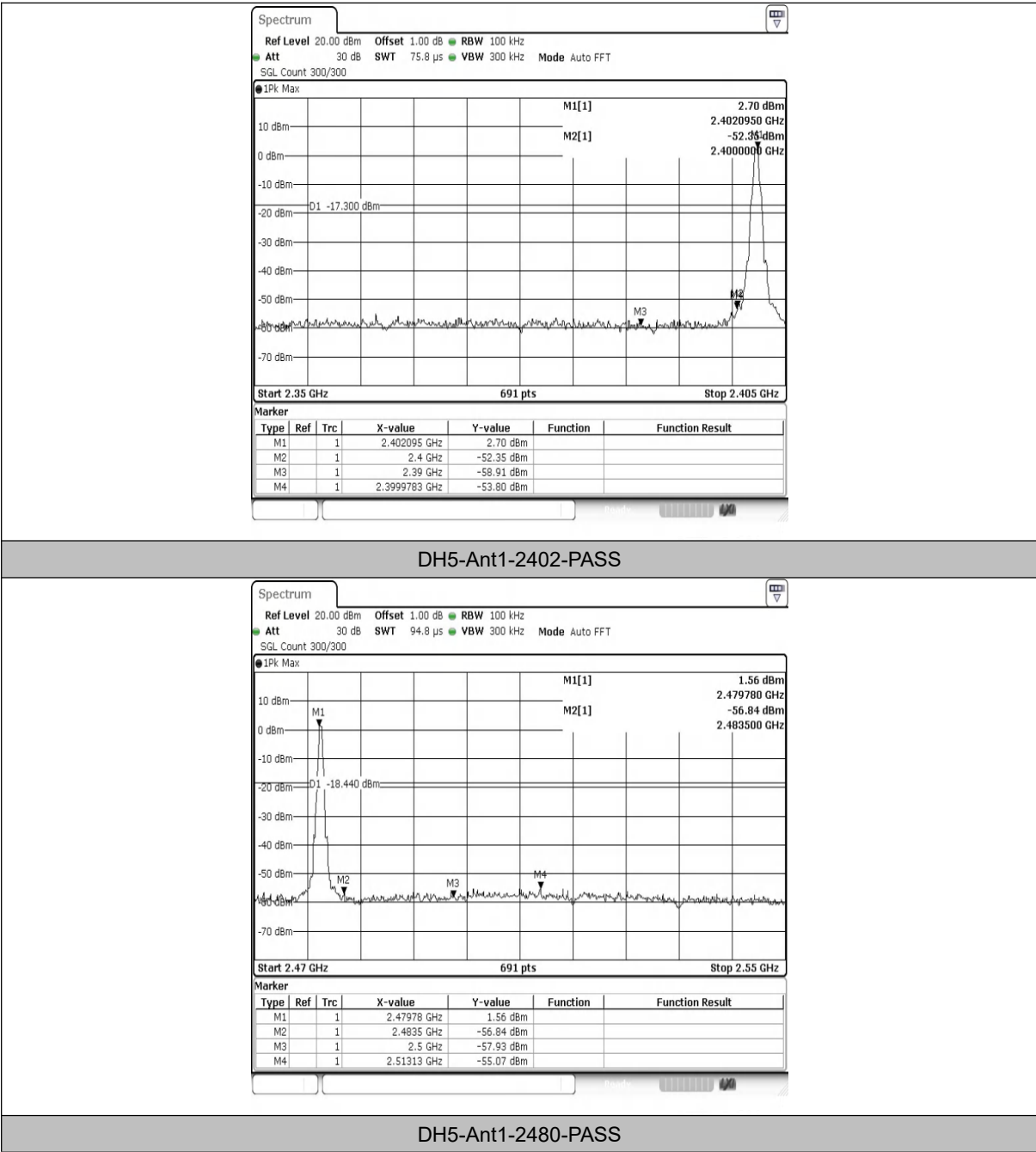
Appendix G: Conducted Band edge

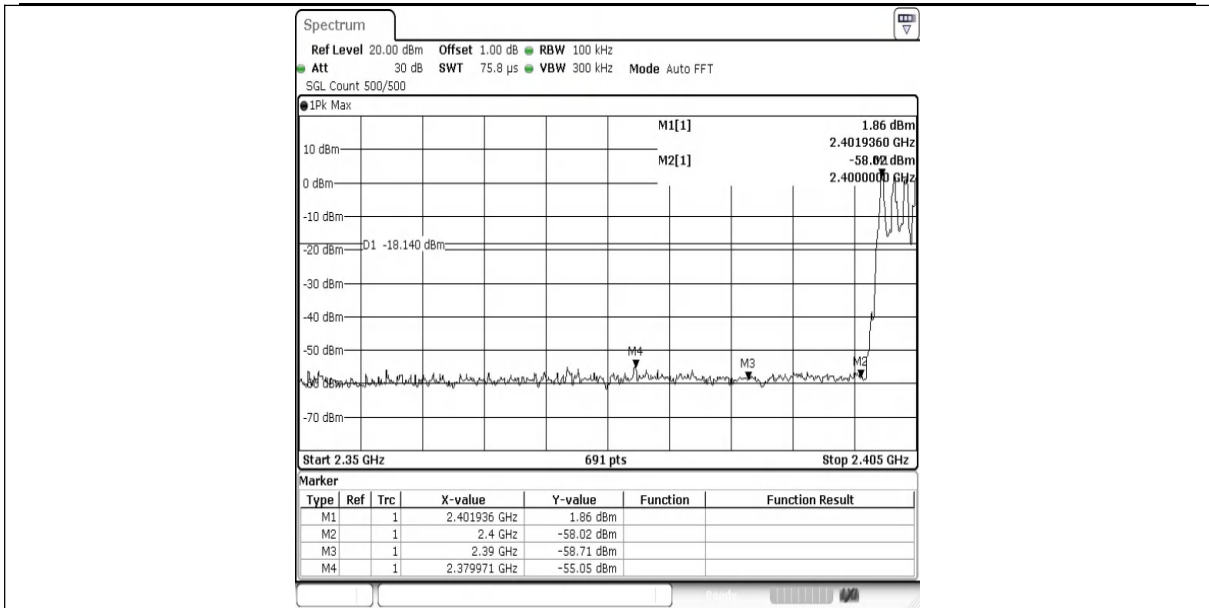
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.70	-53.8	≤-17.3	PASS
DH5	Ant1	High	2480	1.56	-55.07	≤-18.44	PASS
DH5	Ant1	Low	Hop_2402	1.86	-55.05	≤-18.14	PASS
DH5	Ant1	High	Hop_2480	1.34	-54.38	≤-18.66	PASS
2DH5	Ant1	Low	2402	2.70	-52.63	≤-17.3	PASS
2DH5	Ant1	High	2480	0.81	-55.48	≤-19.19	PASS
2DH5	Ant1	Low	Hop_2402	-0.41	-53.98	≤-20.41	PASS
2DH5	Ant1	High	Hop_2480	1.87	-54.67	≤-18.13	PASS
3DH5	Ant1	Low	2402	2.73	-53.76	≤-17.27	PASS
3DH5	Ant1	High	2480	1.39	-55.14	≤-18.61	PASS
3DH5	Ant1	Low	Hop_2402	2.49	-55.41	≤-17.51	PASS
3DH5	Ant1	High	Hop_2480	1.24	-55.11	≤-18.76	PASS

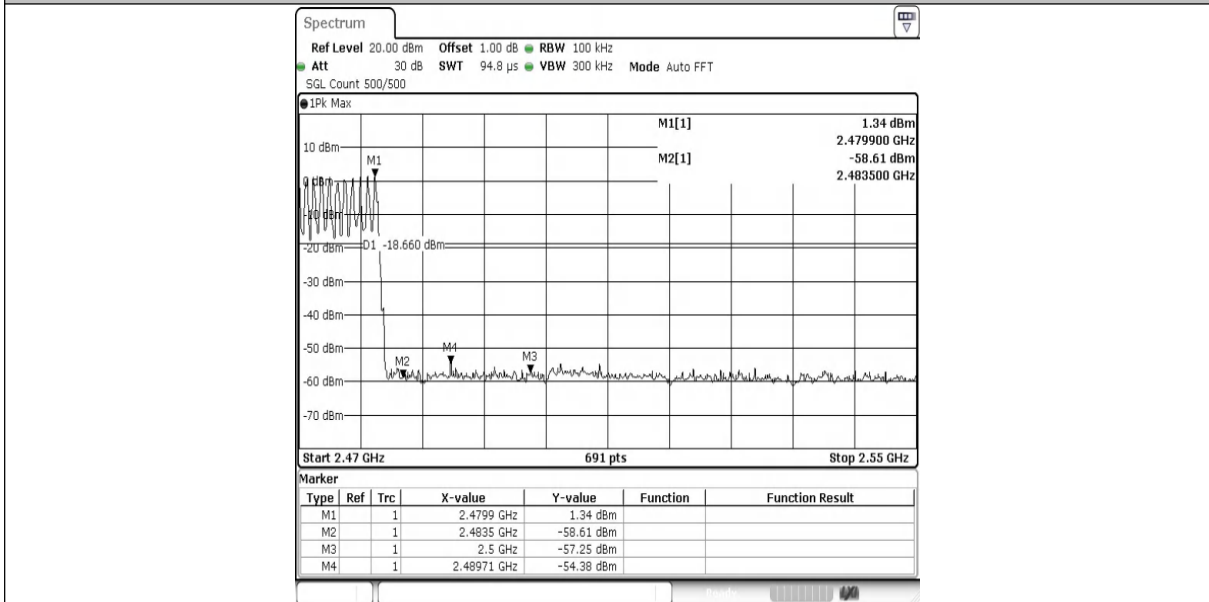
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

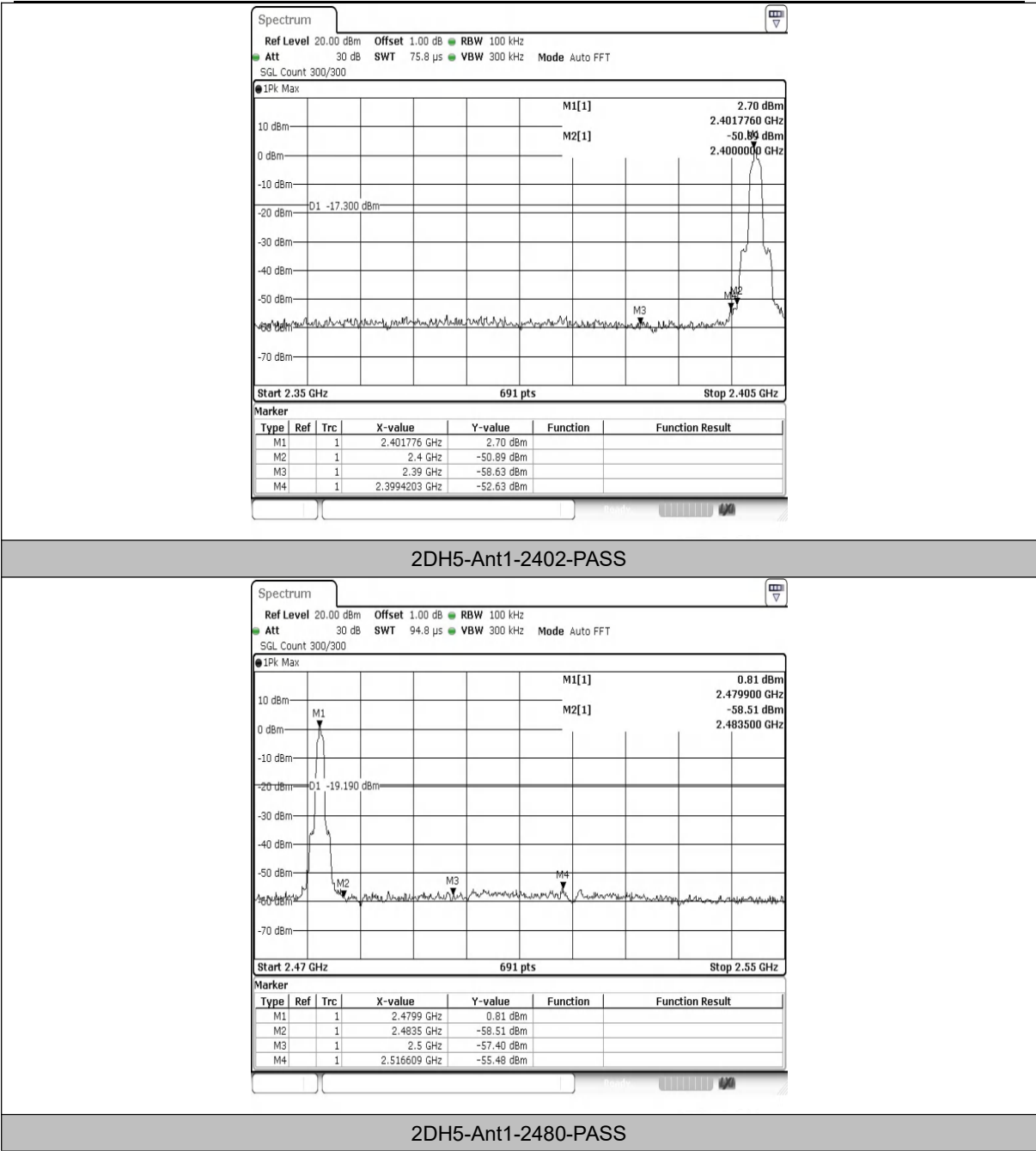


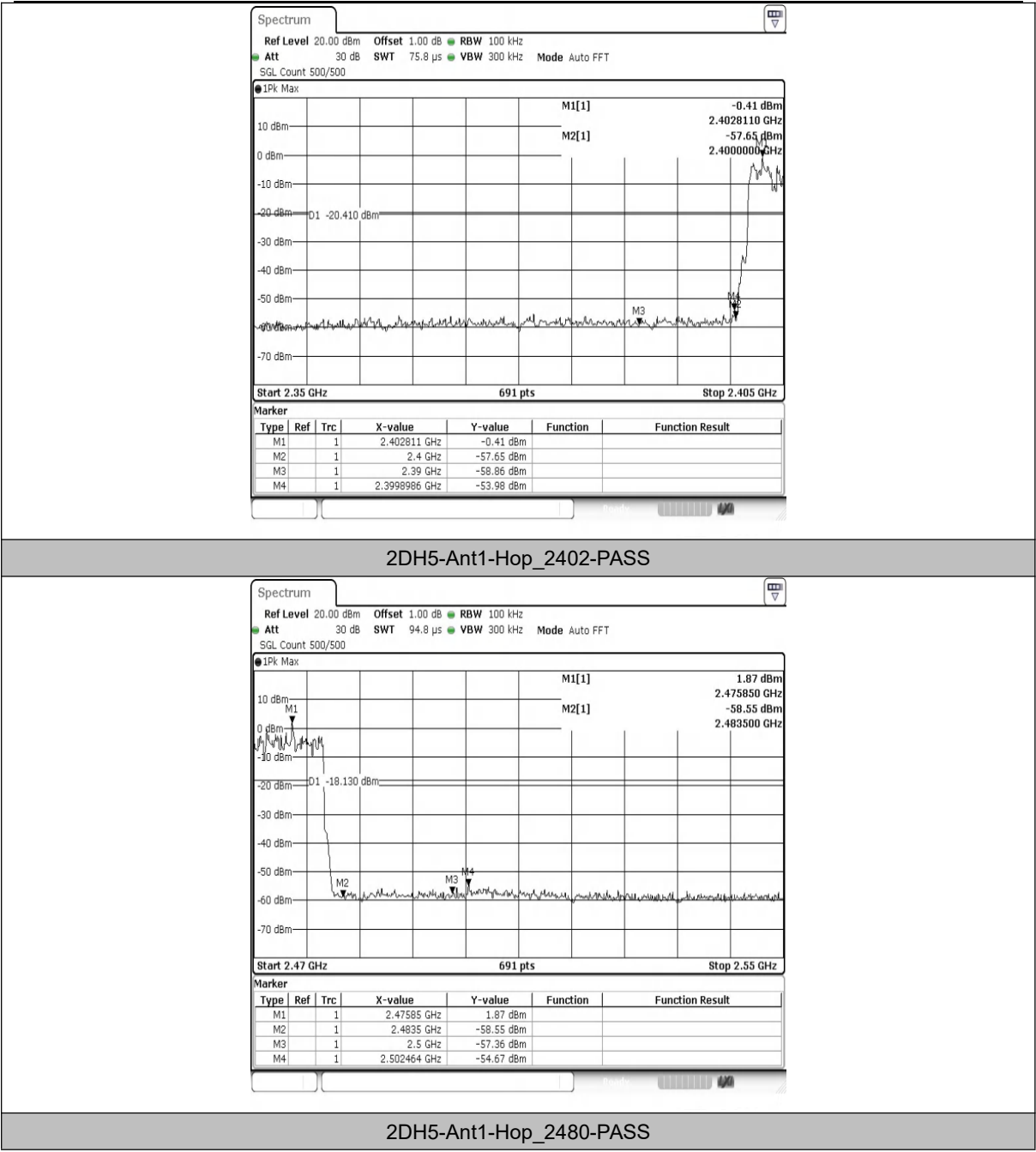


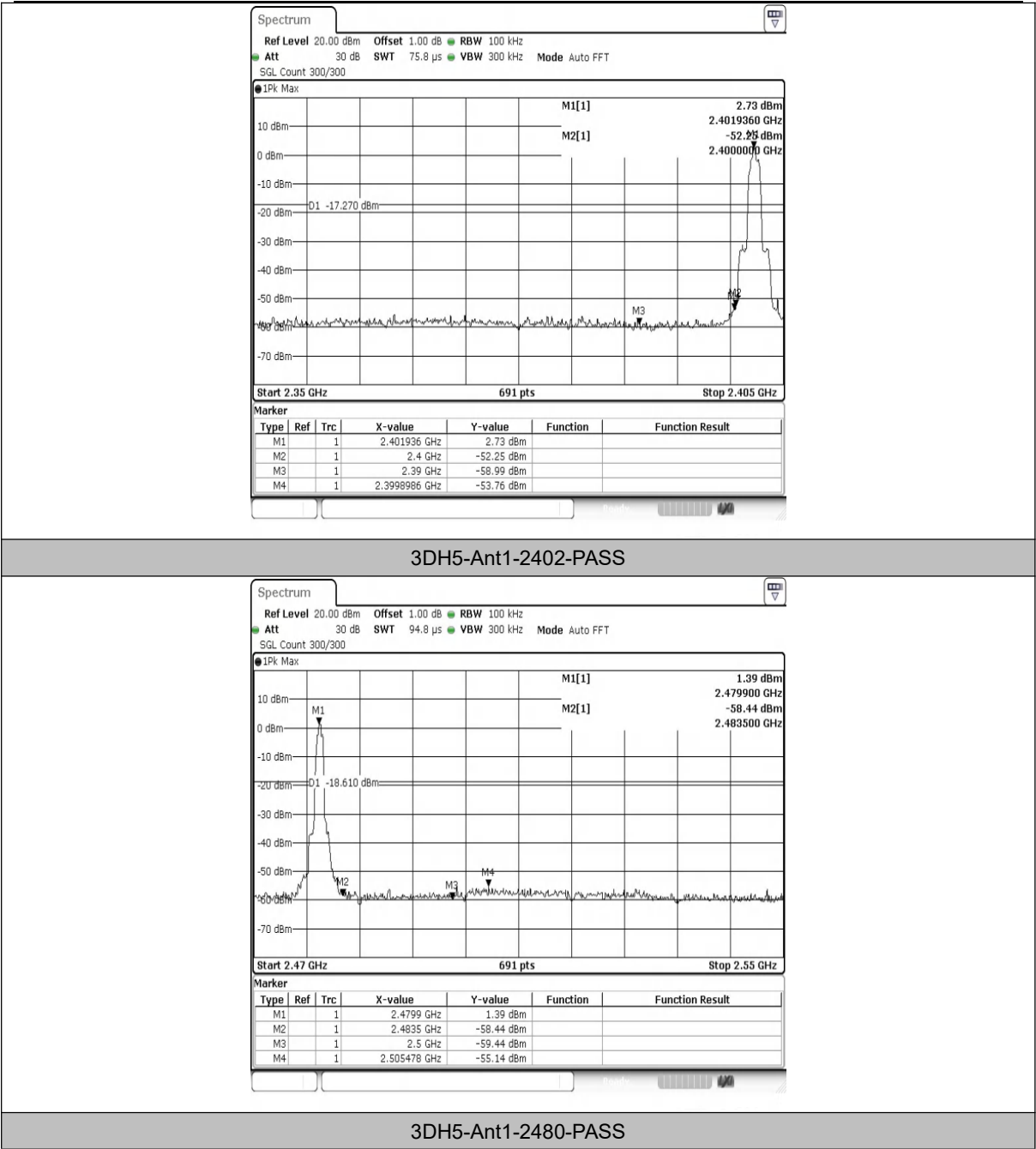
DH5-Ant1-Hop_2402-PASS

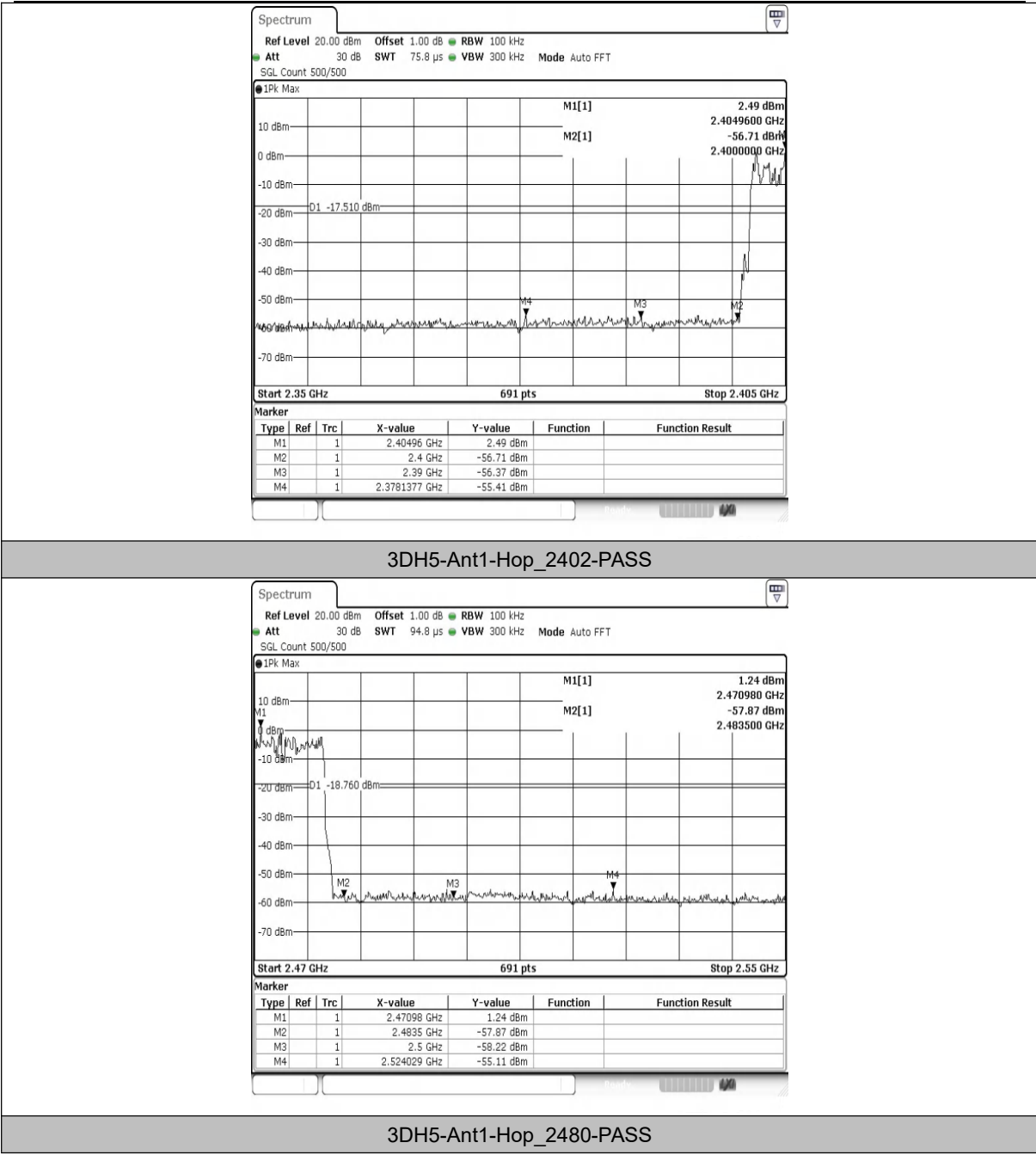


DH5-Ant1-Hop_2480-PASS









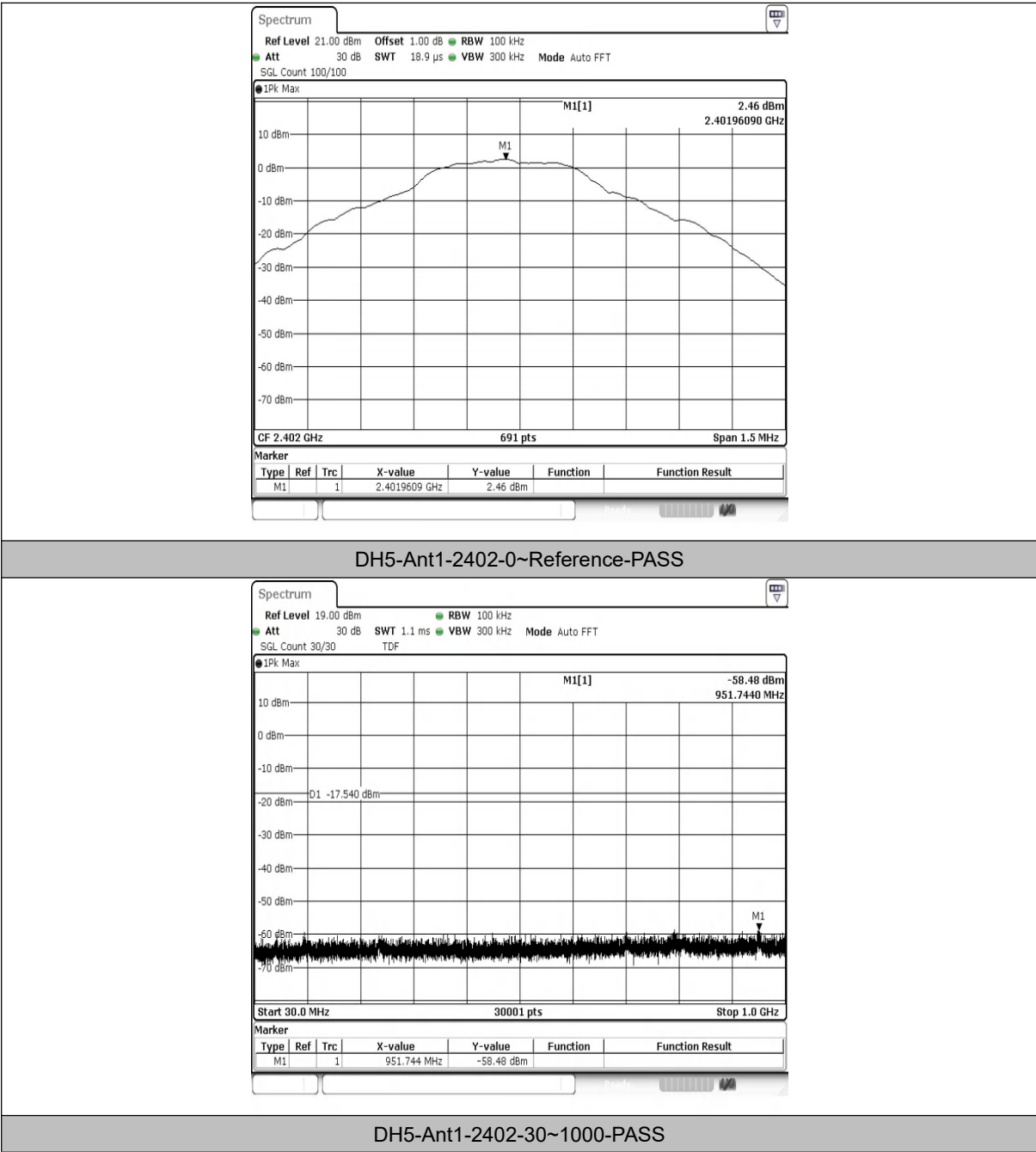
Appendix H: Conducted Spurious Emission

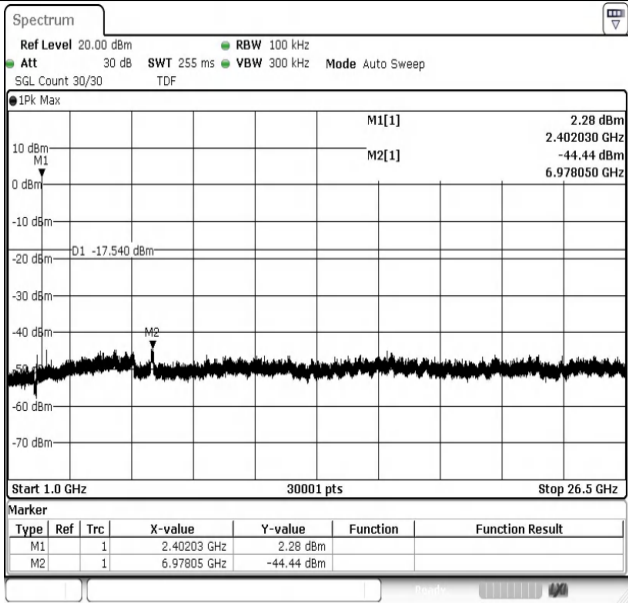
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.46	2.46	---	PASS
DH5	Ant1	2402	30~1000	2.46	-58.48	≤-17.54	PASS
DH5	Ant1	2402	1000~26500	2.46	-44.44	≤-17.54	PASS
DH5	Ant1	2441	0~Reference	1.87	1.87	---	PASS
DH5	Ant1	2441	30~1000	1.87	-58.16	≤-18.13	PASS
DH5	Ant1	2441	1000~26500	1.87	-43.28	≤-18.13	PASS
DH5	Ant1	2480	0~Reference	1.25	1.25	---	PASS
DH5	Ant1	2480	30~1000	1.25	-58.65	≤-18.75	PASS
DH5	Ant1	2480	1000~26500	1.25	-43.49	≤-18.75	PASS
2DH5	Ant1	2402	0~Reference	0.61	0.61	---	PASS
2DH5	Ant1	2402	30~1000	0.61	-57.83	≤-19.39	PASS
2DH5	Ant1	2402	1000~26500	0.61	-43.05	≤-19.39	PASS
2DH5	Ant1	2441	0~Reference	2.13	2.13	---	PASS
2DH5	Ant1	2441	30~1000	2.13	-58.2	≤-17.87	PASS
2DH5	Ant1	2441	1000~26500	2.13	-44.04	≤-17.87	PASS
2DH5	Ant1	2480	0~Reference	-1.70	-1.70	---	PASS
2DH5	Ant1	2480	30~1000	-1.70	-57.83	≤-21.7	PASS
2DH5	Ant1	2480	1000~26500	-1.70	-44.9	≤-21.7	PASS
3DH5	Ant1	2402	0~Reference	2.56	2.56	---	PASS
3DH5	Ant1	2402	30~1000	2.56	-58.59	≤-17.44	PASS
3DH5	Ant1	2402	1000~26500	2.56	-44.19	≤-17.44	PASS
3DH5	Ant1	2441	0~Reference	0.17	0.17	---	PASS
3DH5	Ant1	2441	30~1000	0.17	-56.56	≤-19.83	PASS
3DH5	Ant1	2441	1000~26500	0.17	-43.11	≤-19.83	PASS
3DH5	Ant1	2480	0~Reference	1.74	1.74	---	PASS
3DH5	Ant1	2480	30~1000	1.74	-58.53	≤-18.26	PASS
3DH5	Ant1	2480	1000~26500	1.74	-43.24	≤-18.26	PASS

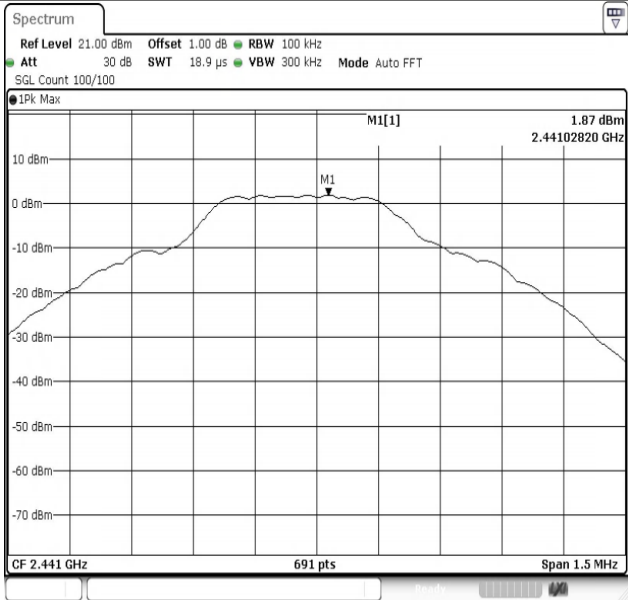
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

Test Graphs





DH5-Ant1-2402-1000~26500-PASS

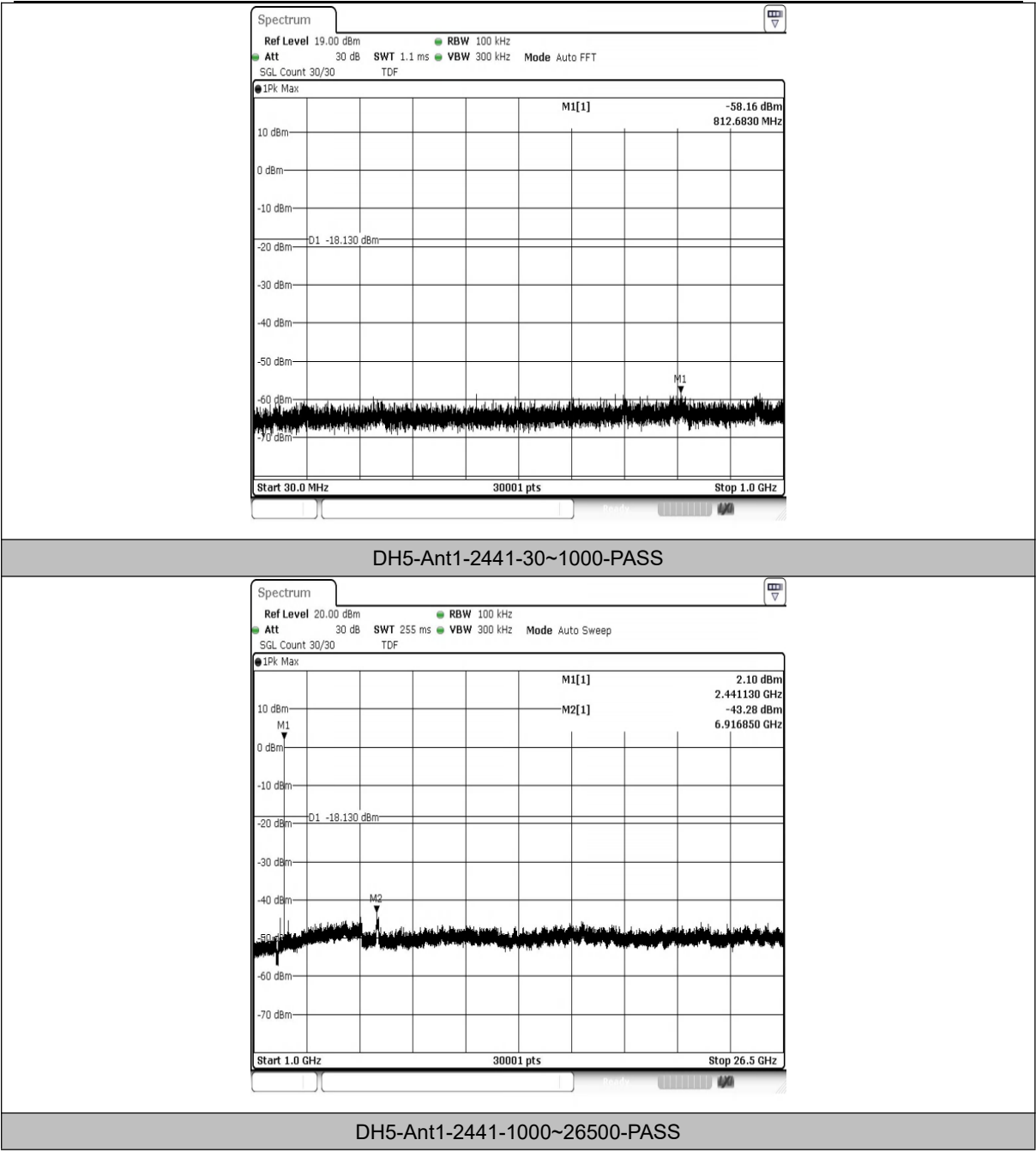


DH5-Ant1-2441-0~Reference-PASS

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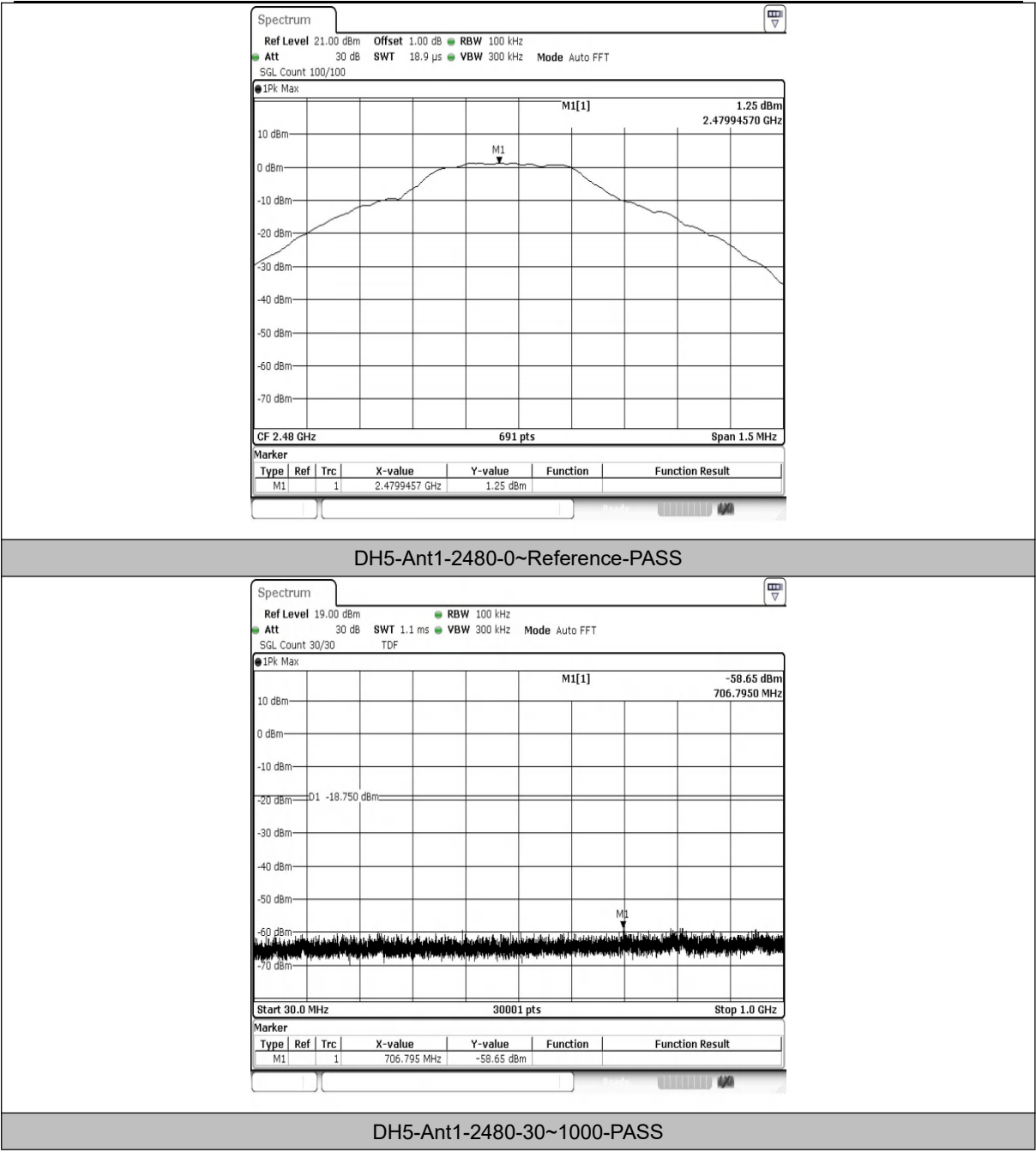
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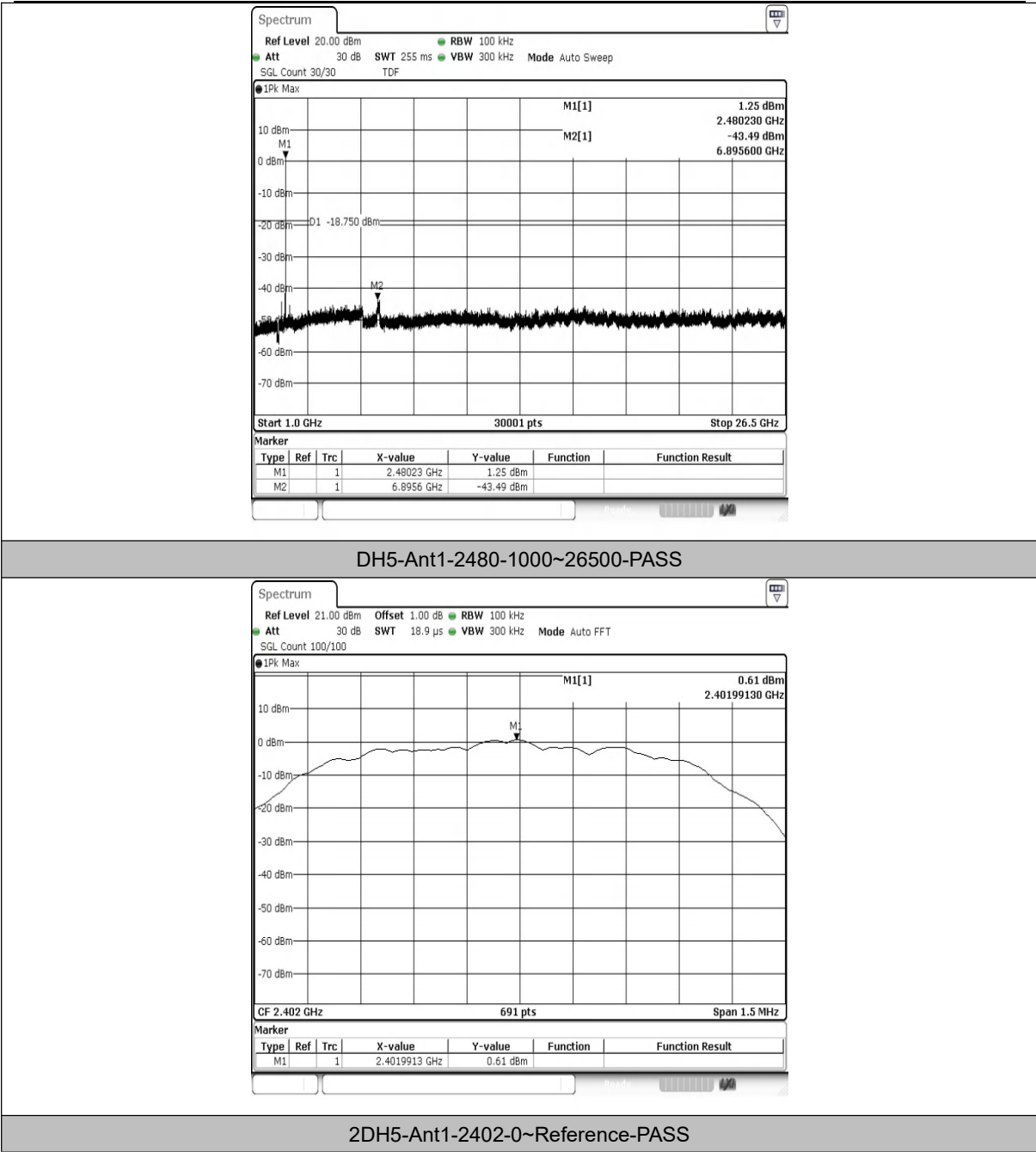


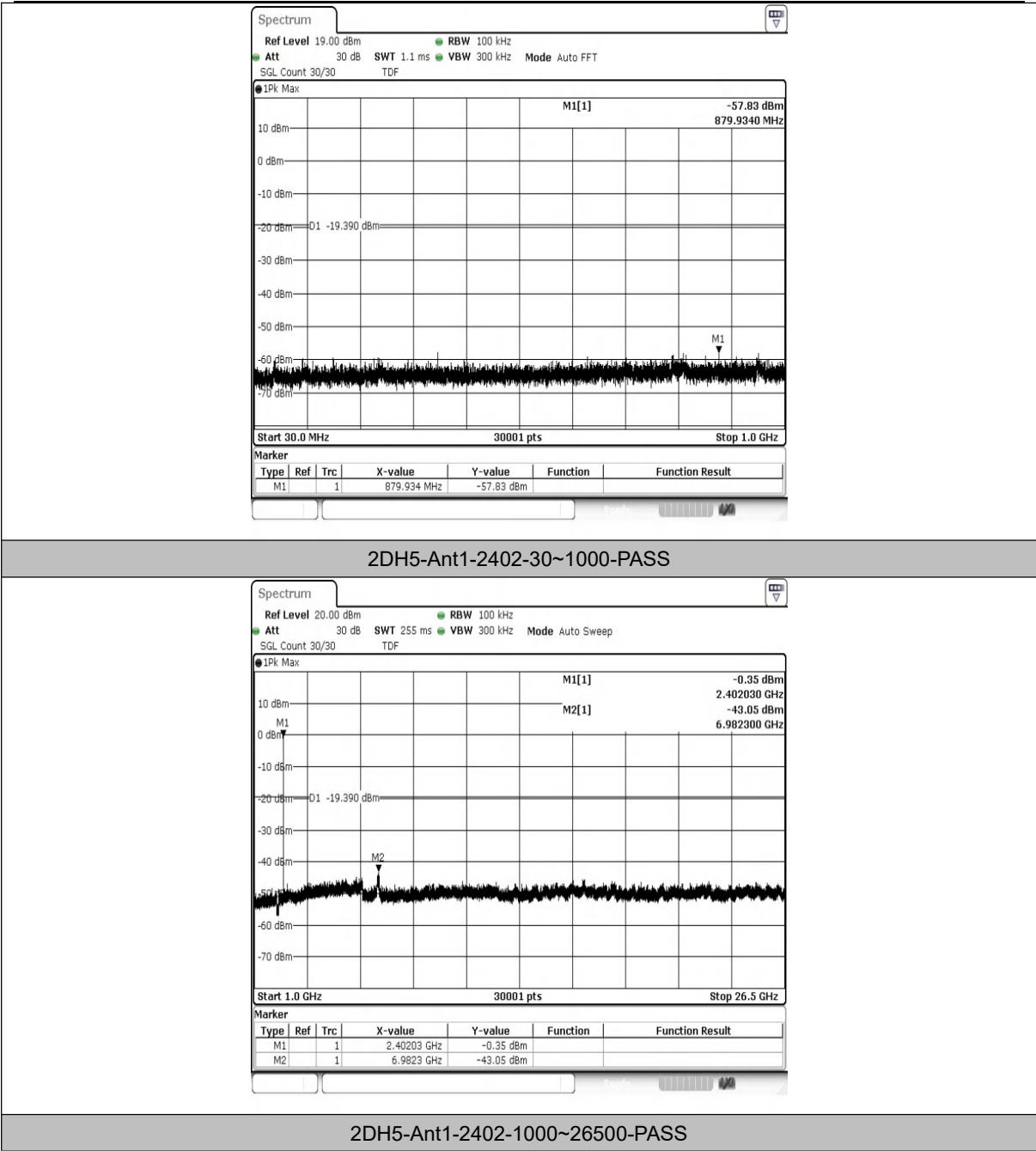
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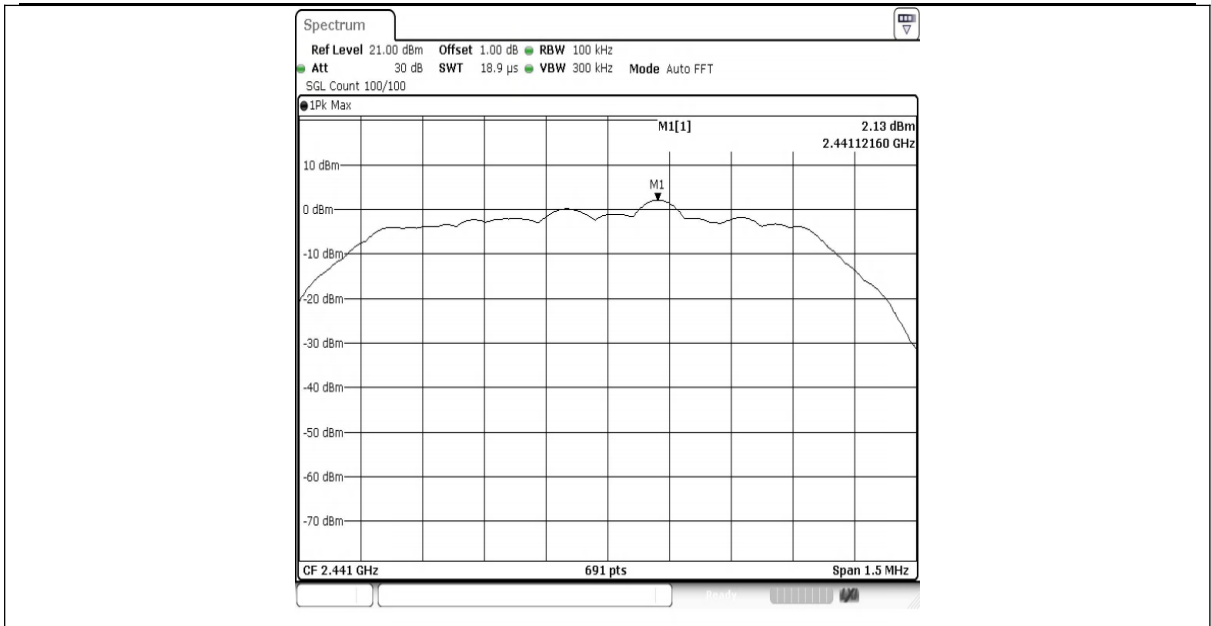




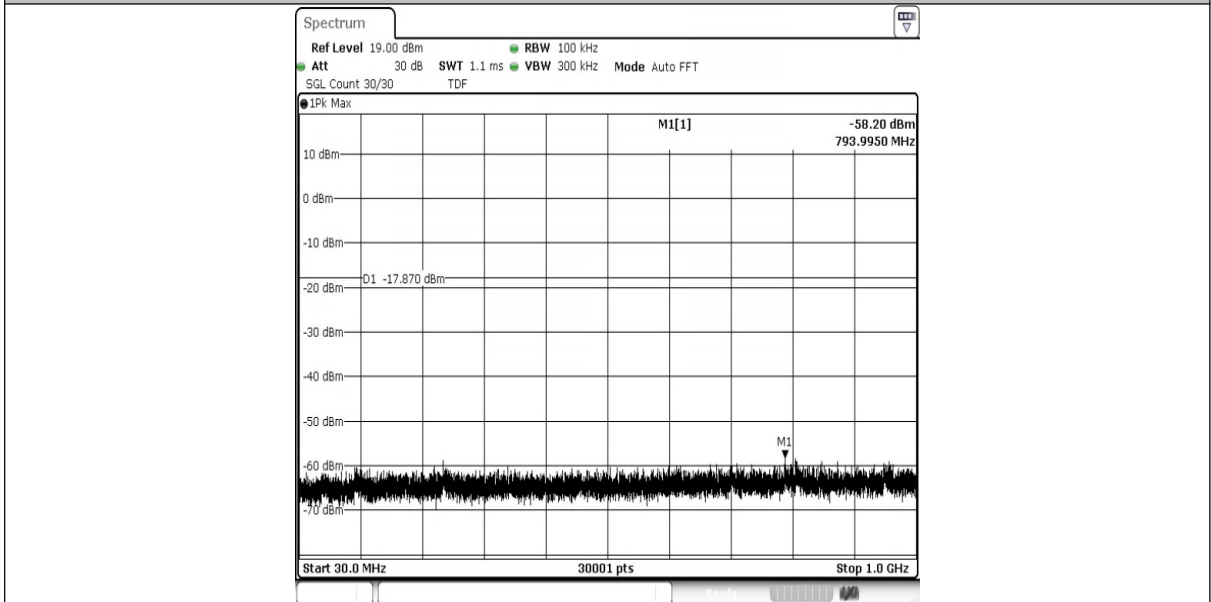
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2DH5-Ant1-2441-0~Reference-PASS

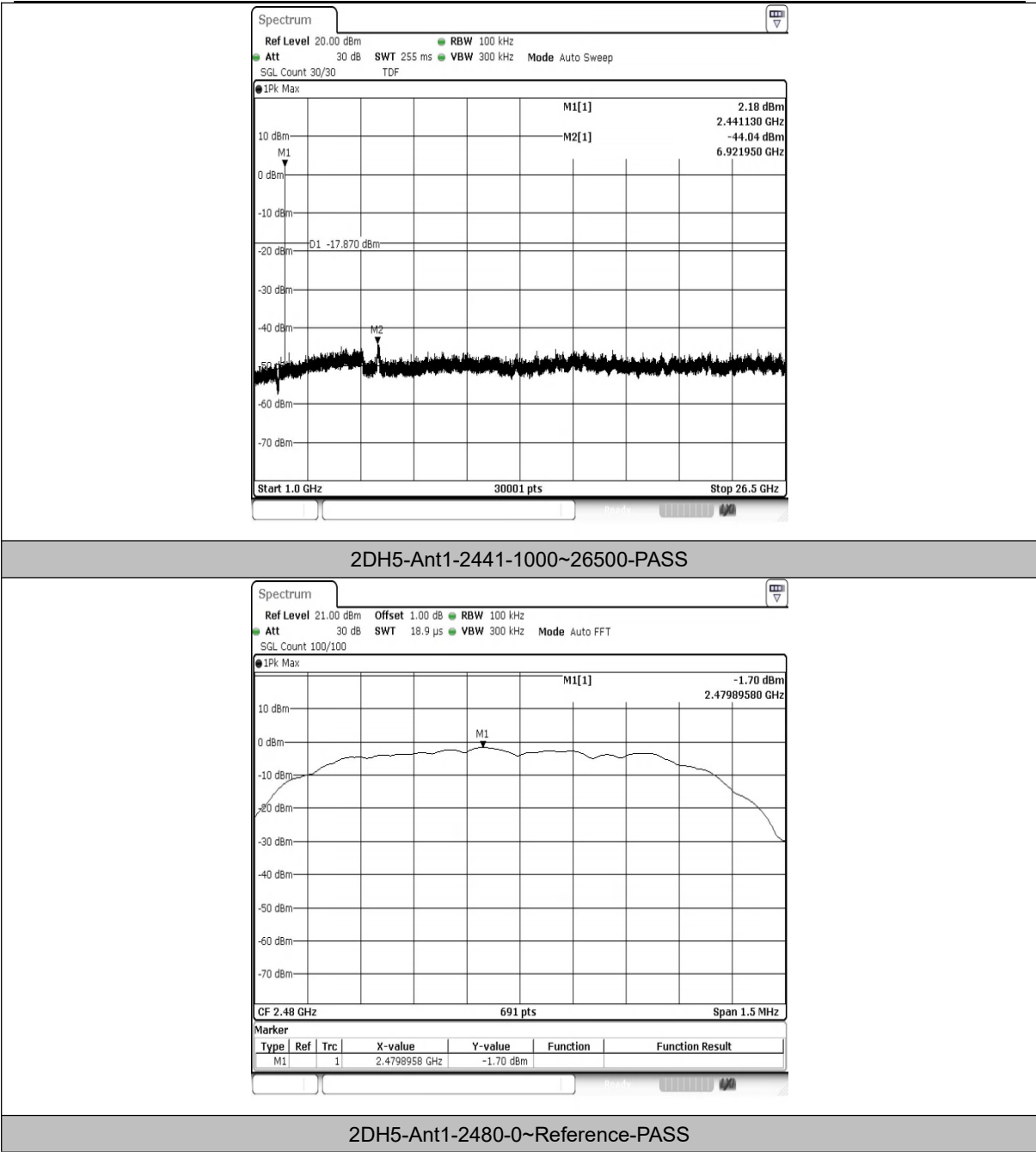


2DH5-Ant1-2441-30~1000-PASS

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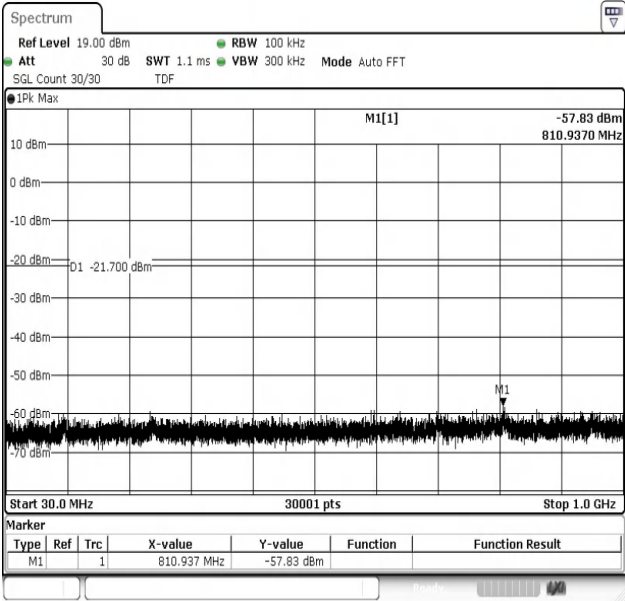
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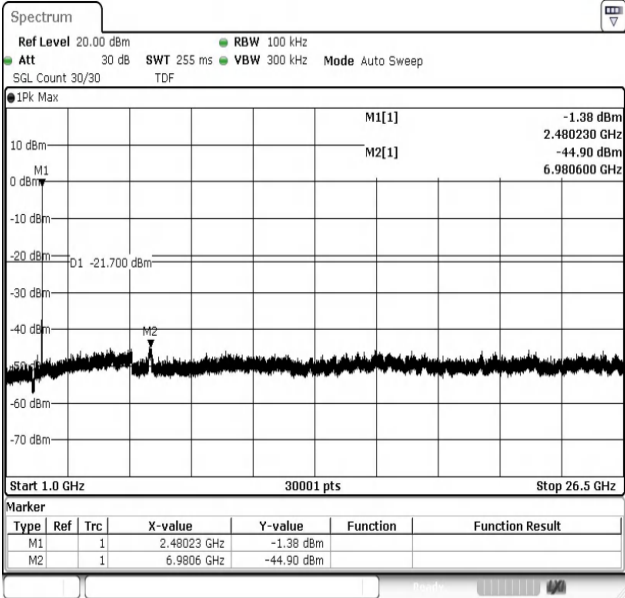
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2DH5-Ant1-2480-30~1000-PASS

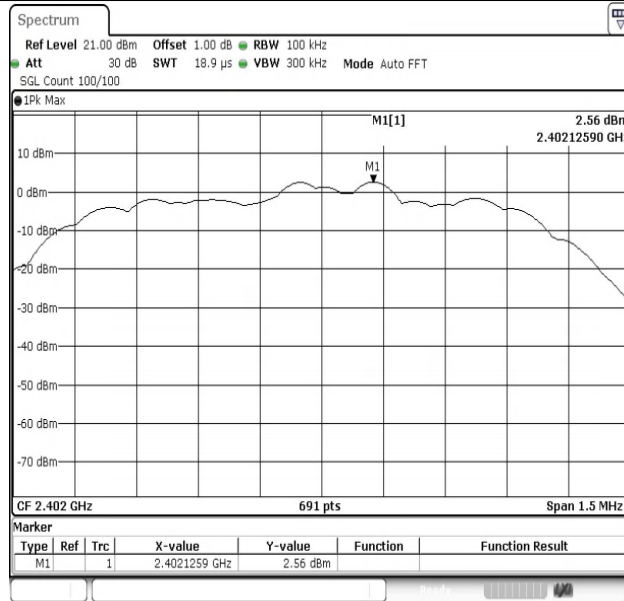


2DH5-Ant1-2480-1000~26500-PASS

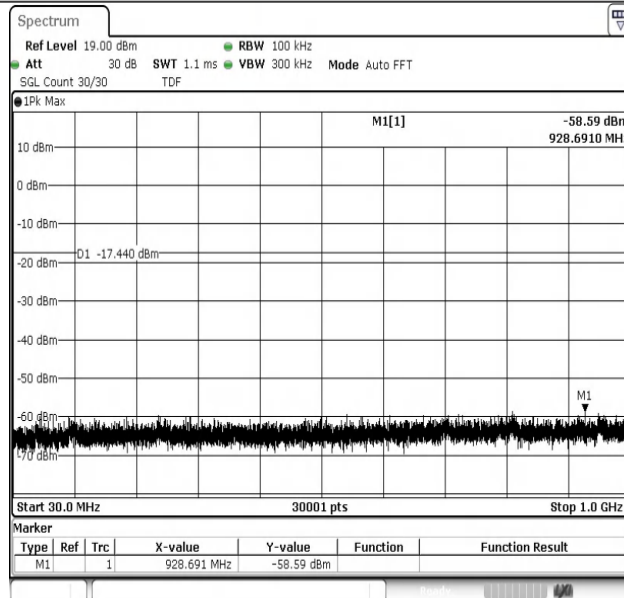
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3DH5-Ant1-2402-0~Reference-PASS

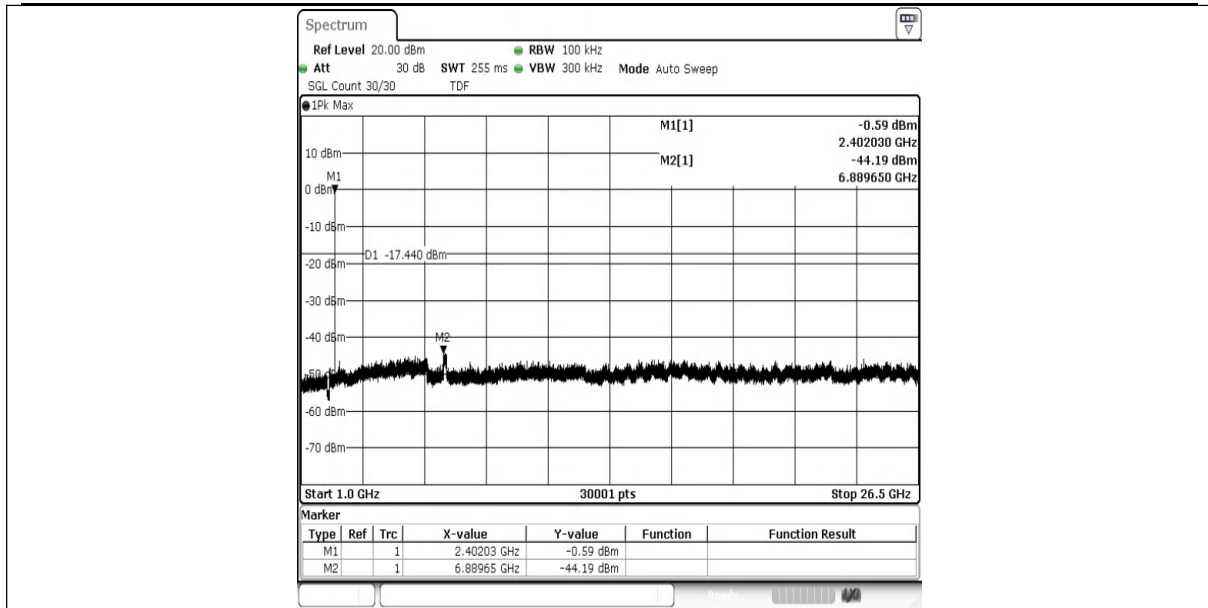


3DH5-Ant1-2402-30~1000-PASS

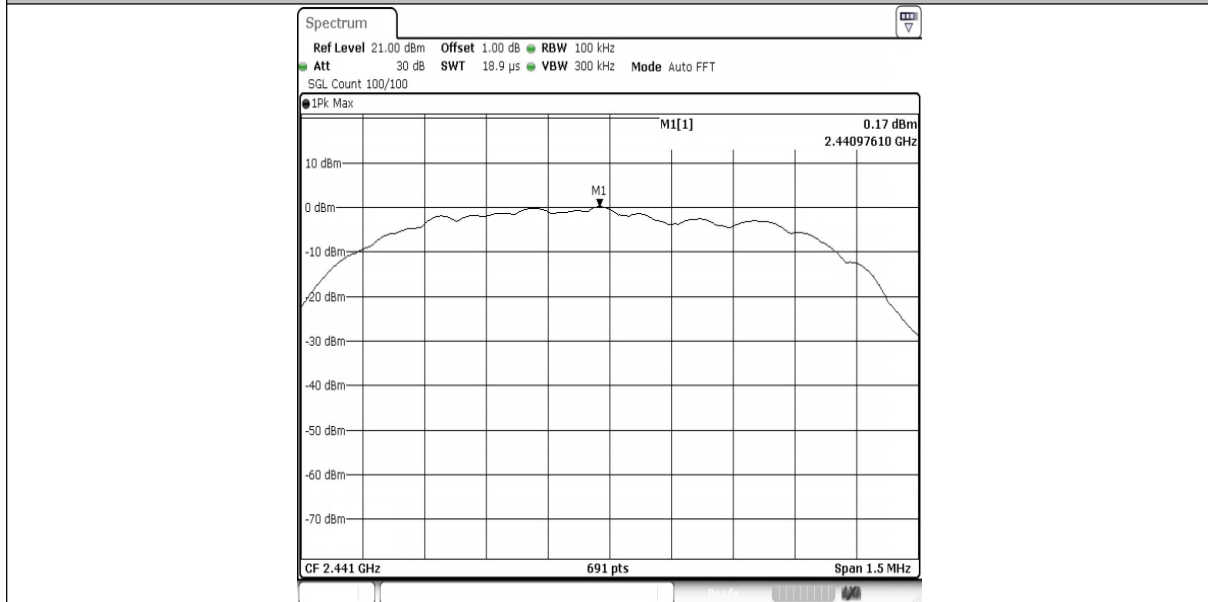
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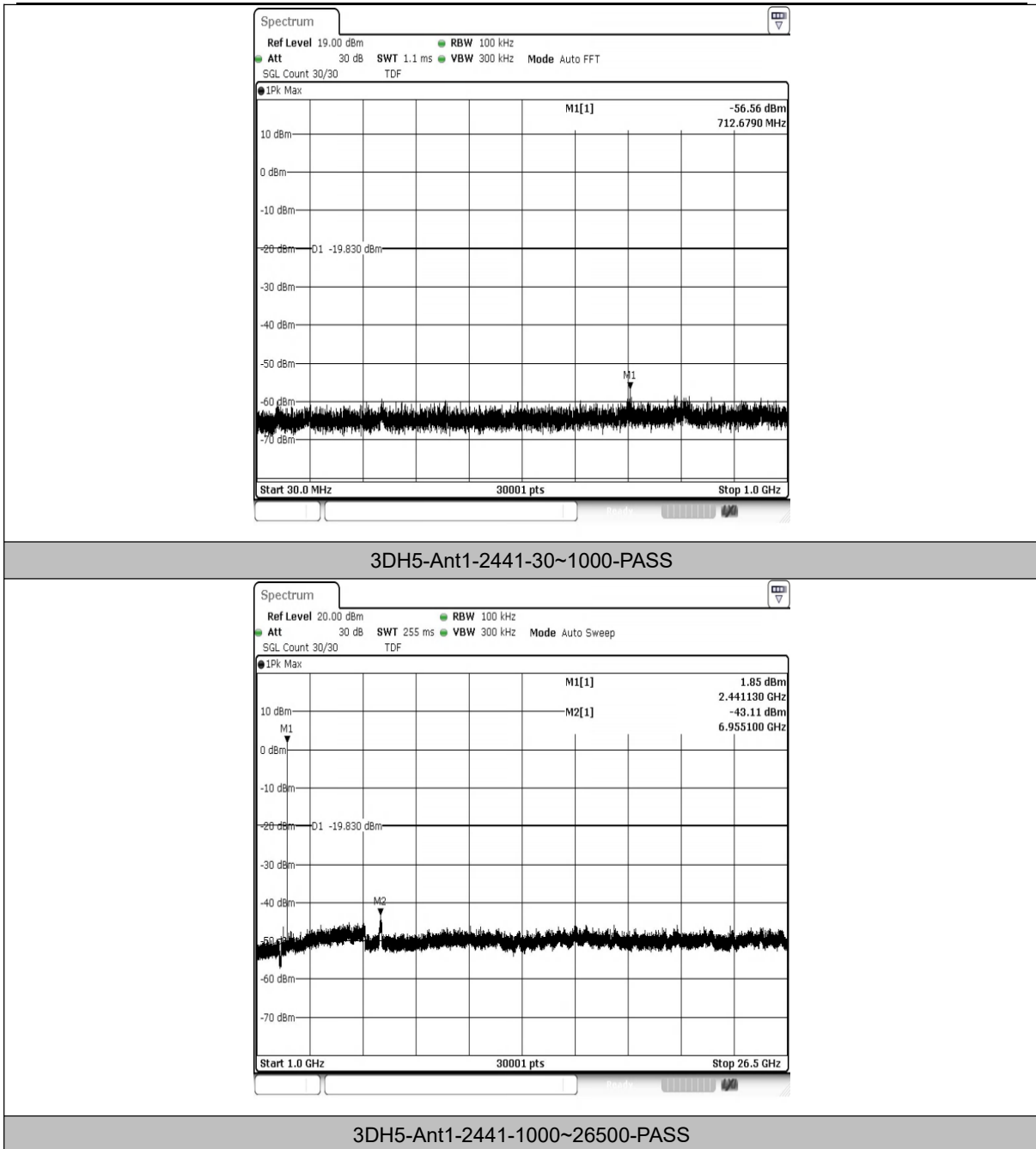
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3DH5-Ant1-2402-1000~26500-PASS



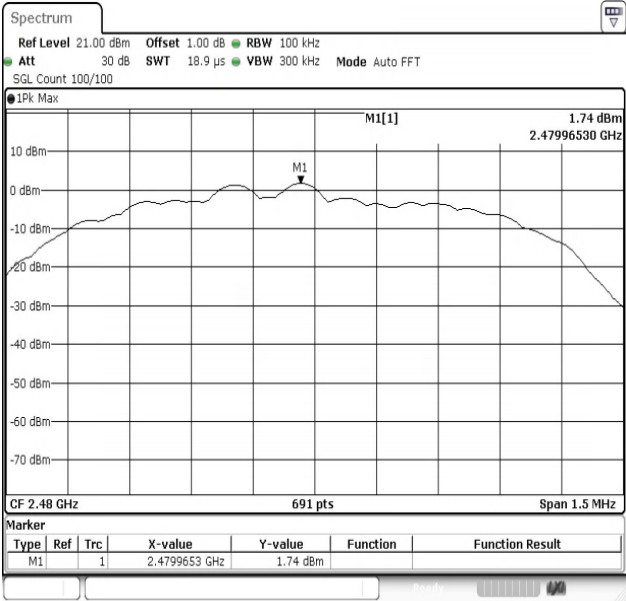
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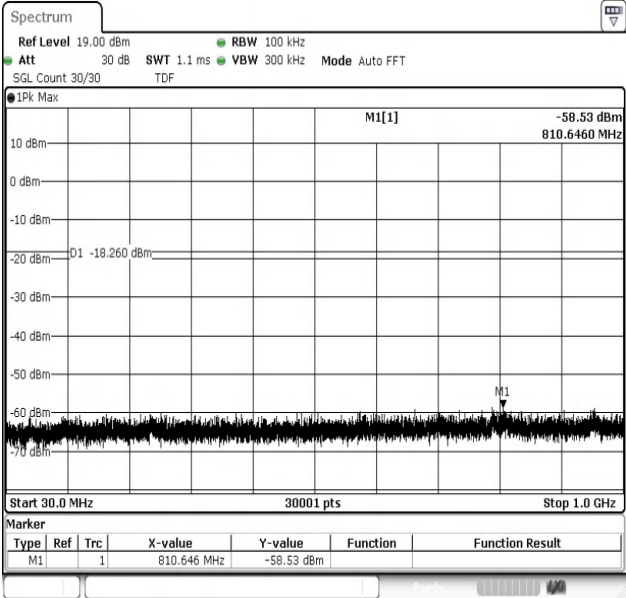
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3DH5-Ant1-2480-0~Reference-PASS

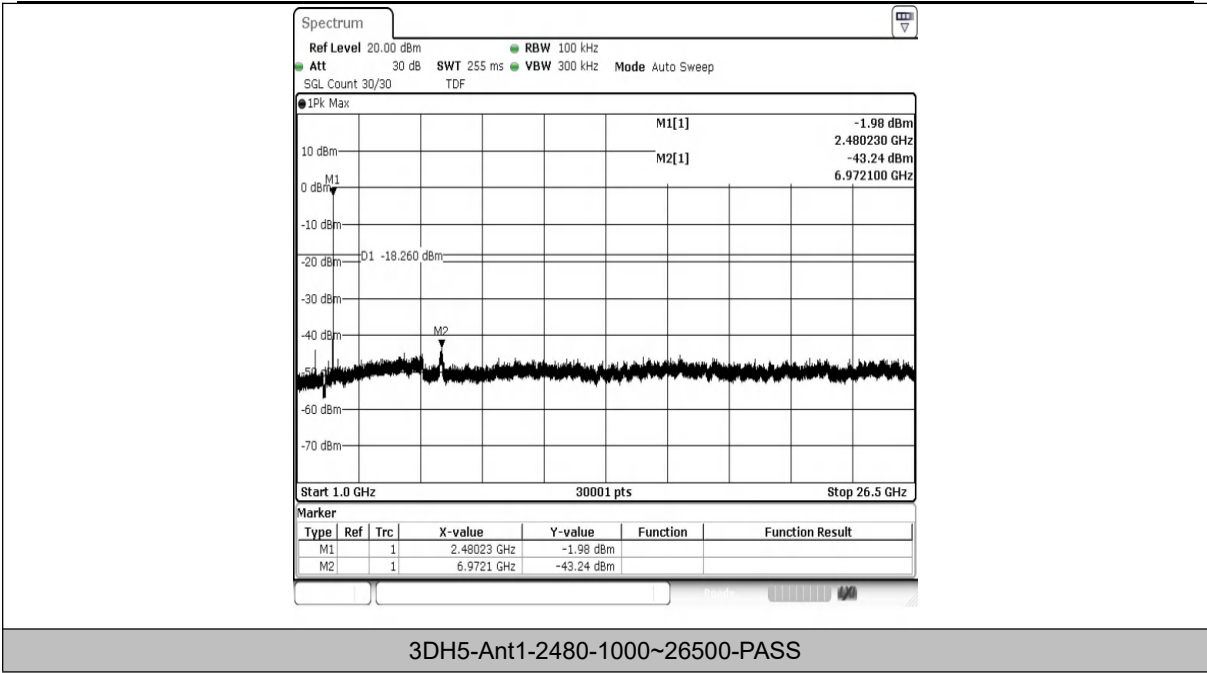


3DH5-Ant1-2480-30~1000-PASS

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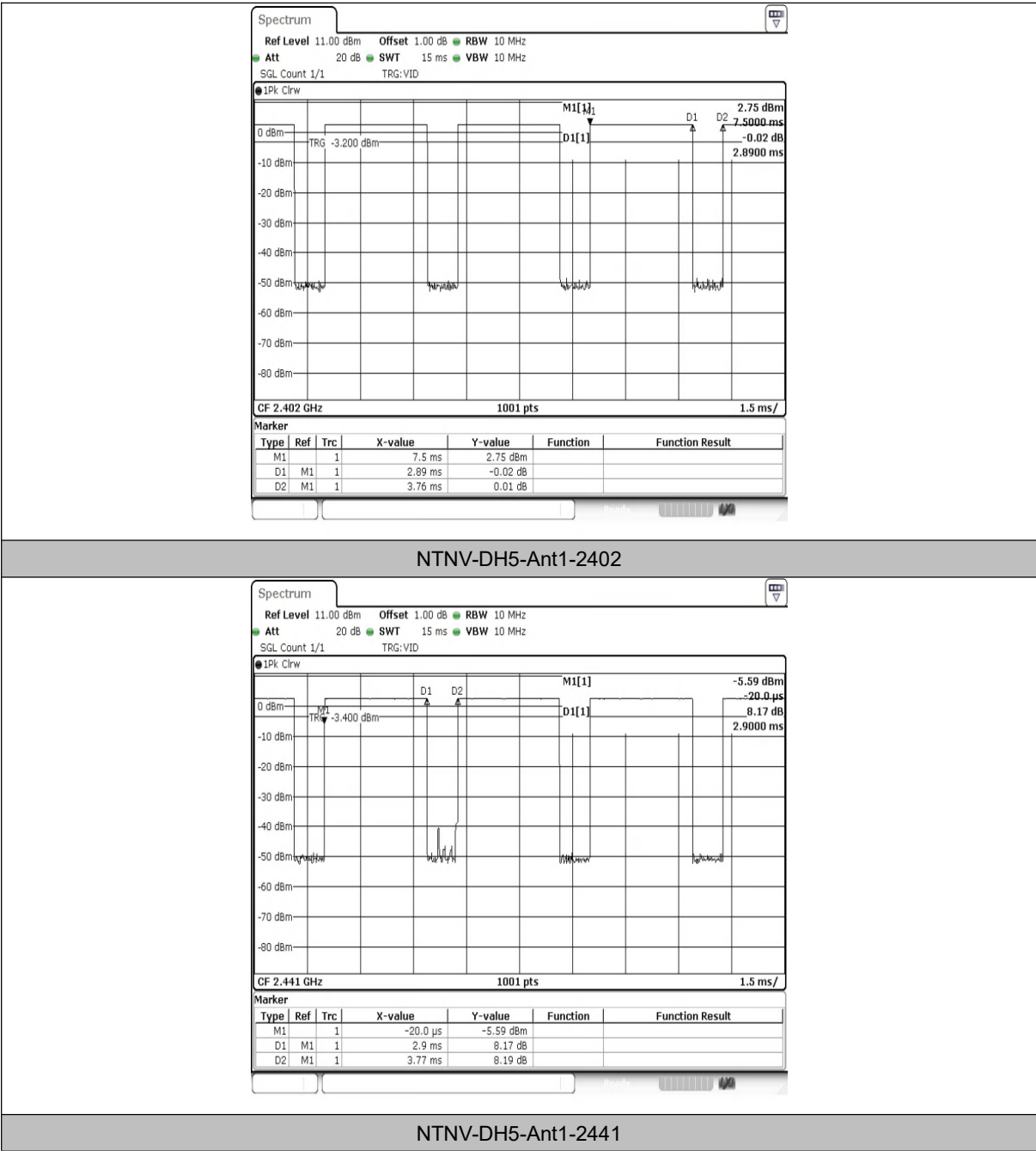
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.76	76.86	1.14
DH5	Ant1	2441	2.90	3.77	76.92	1.14
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	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

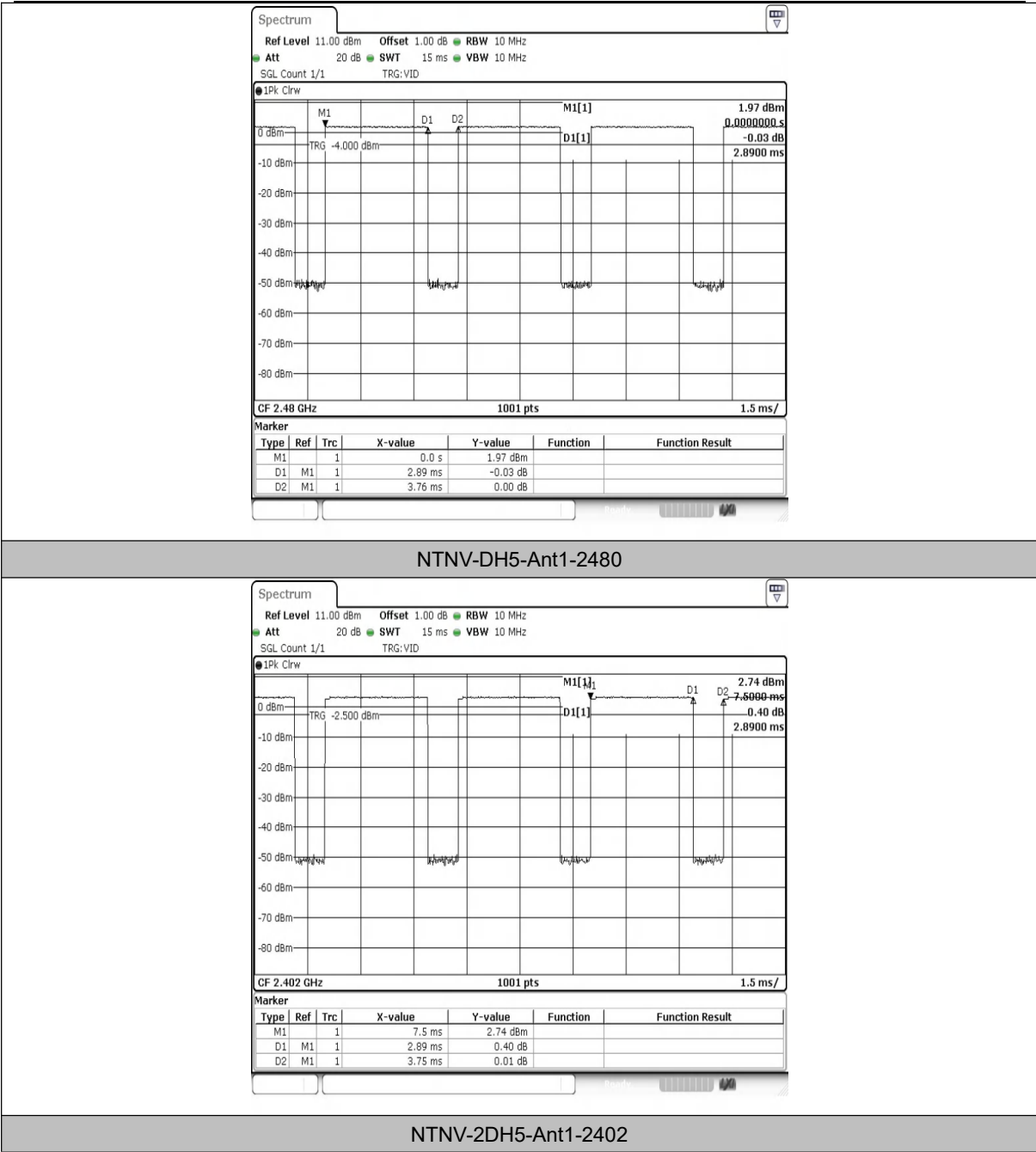
Test Graphs

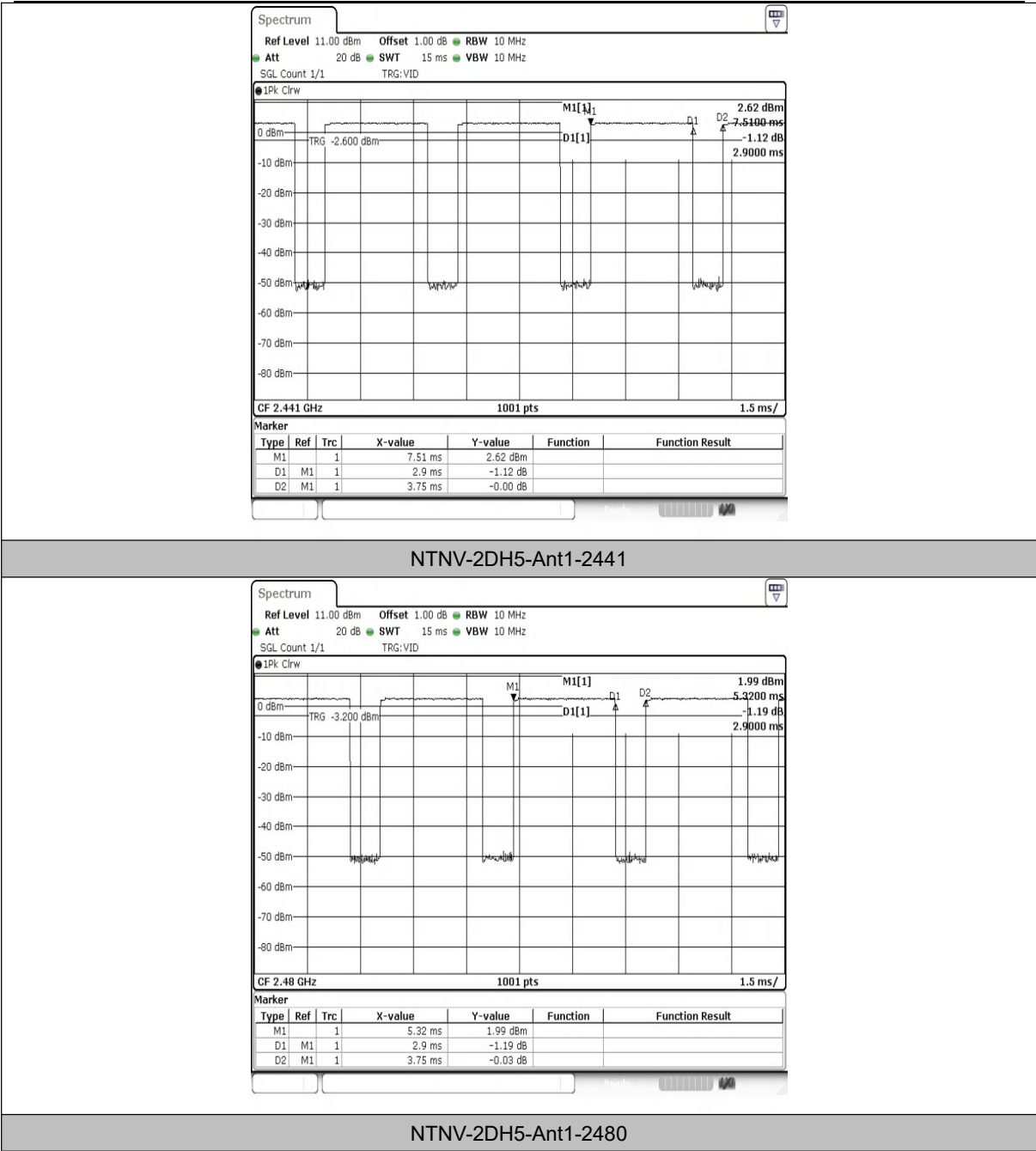


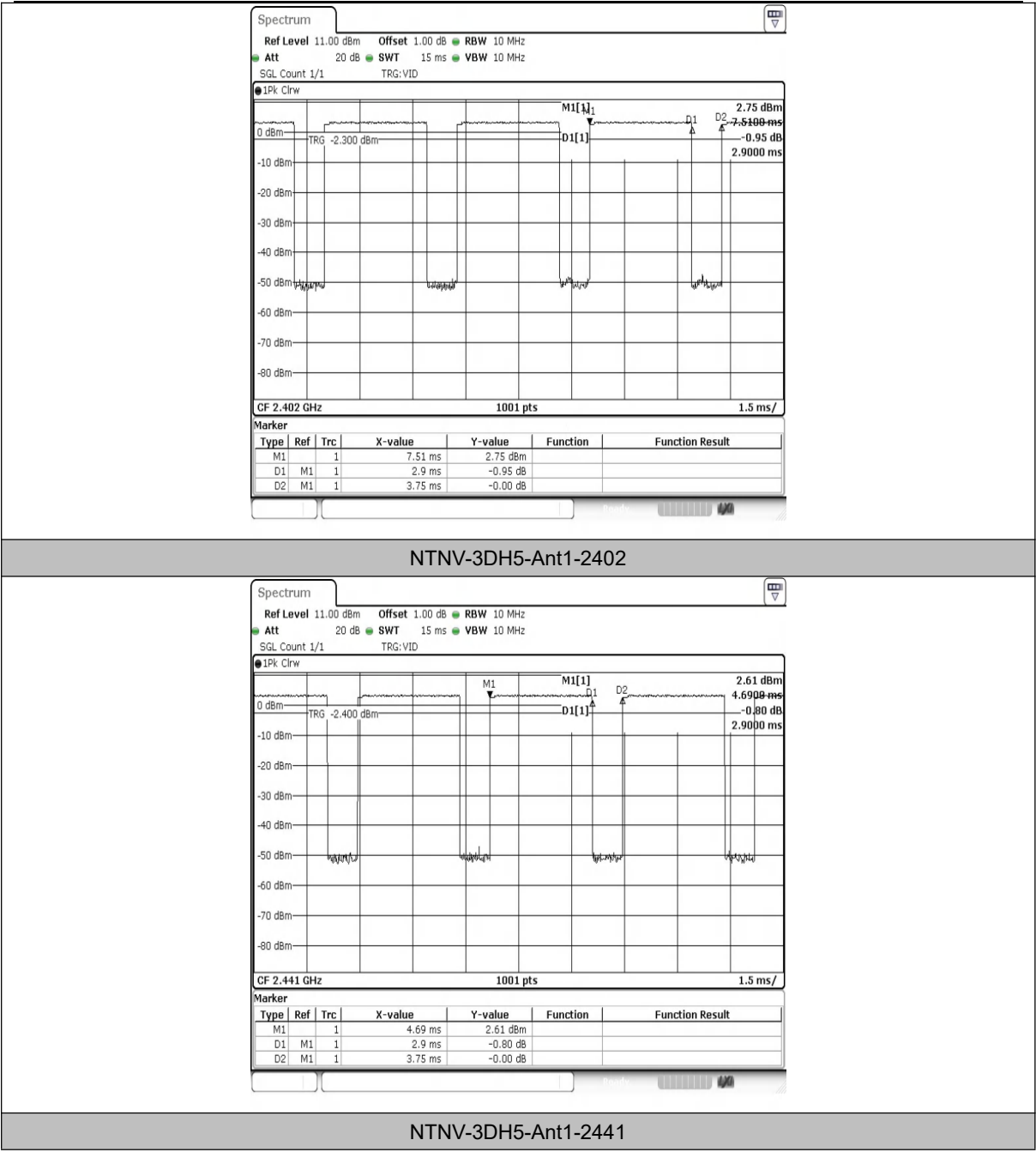
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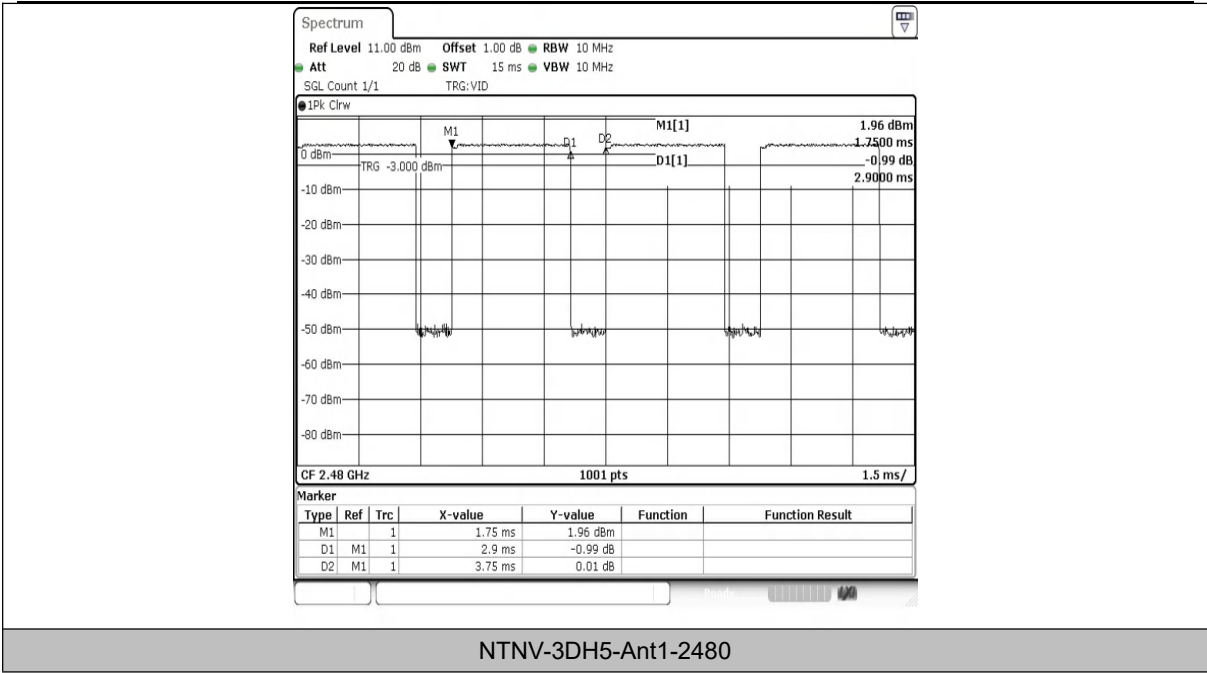
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---End---

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