

Appendix Test Data

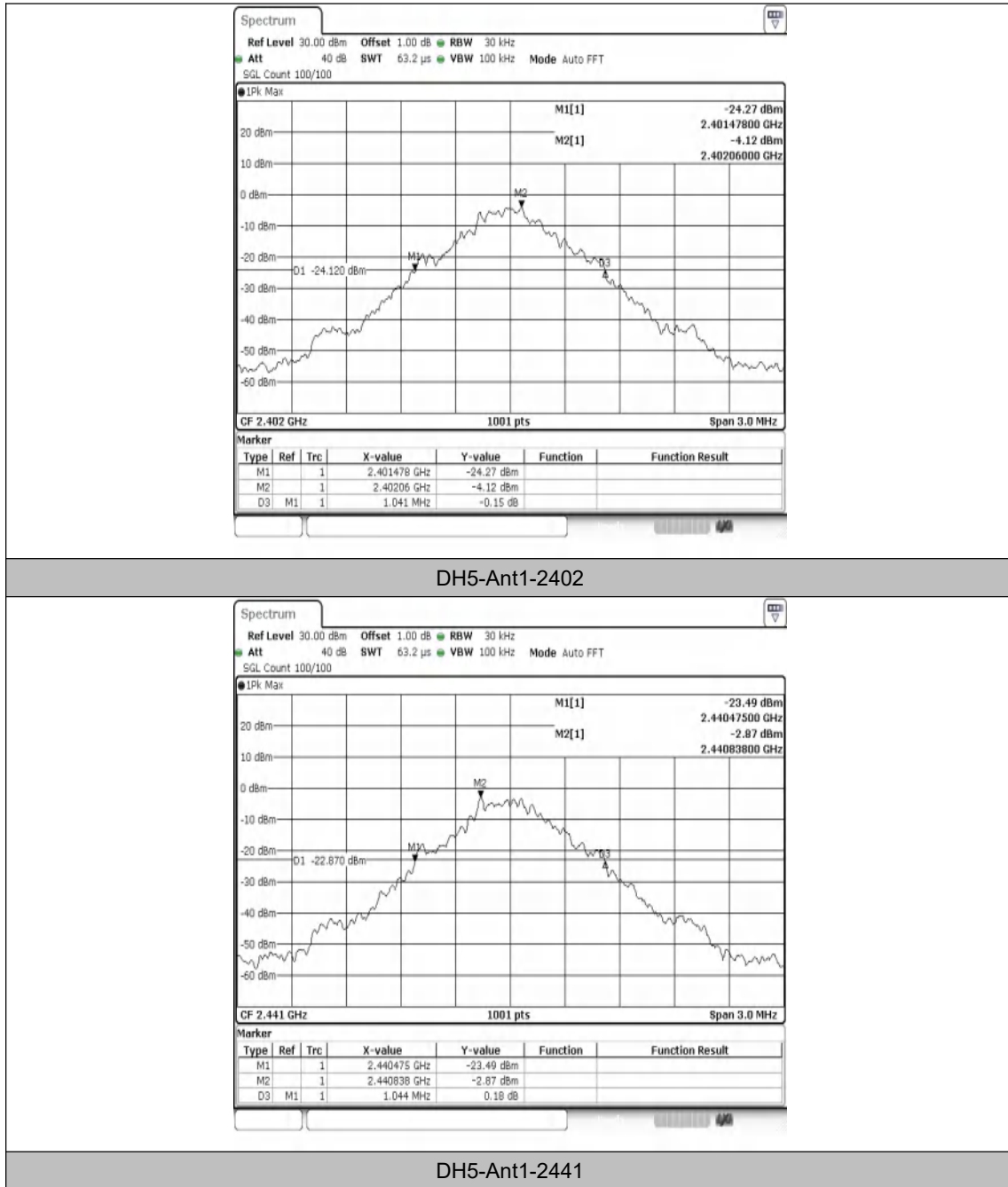
Report No.:	1812C50360812501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-23	Finish Test Date:	2025-7-28
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.8°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.04	2401.48	2402.52	---	---
DH5	Ant1	2441	1.04	2440.48	2441.52	---	---
DH5	Ant1	2480	1.04	2479.48	2480.52	---	---
2DH5	Ant1	2402	1.36	2401.32	2402.68	---	---
2DH5	Ant1	2441	1.32	2440.34	2441.66	---	---
2DH5	Ant1	2480	1.35	2479.32	2480.67	---	---
3DH5	Ant1	2402	1.36	2401.32	2402.68	---	---
3DH5	Ant1	2441	1.39	2440.30	2441.70	---	---
3DH5	Ant1	2480	1.31	2479.32	2480.64	---	---

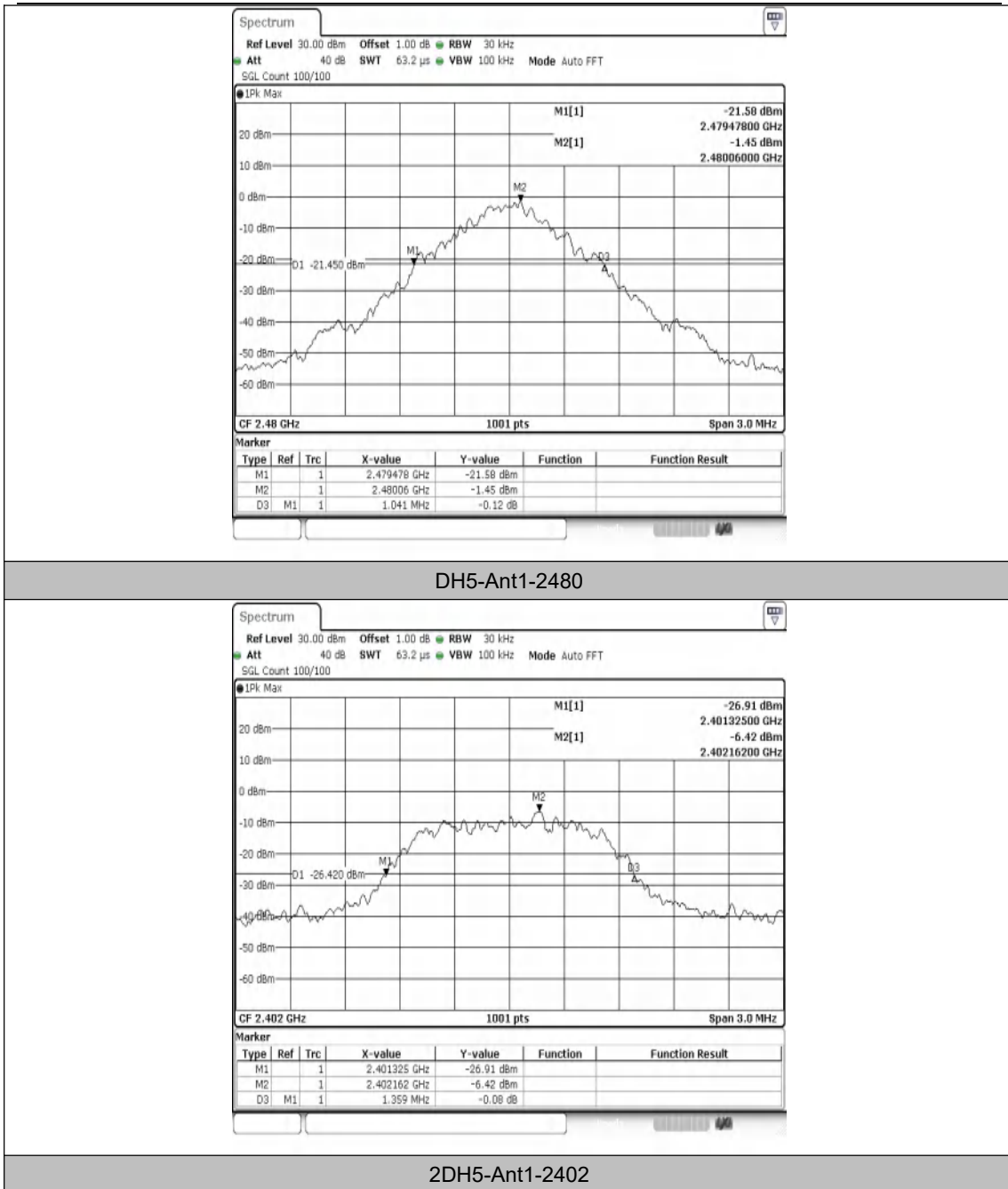
Test Graphs



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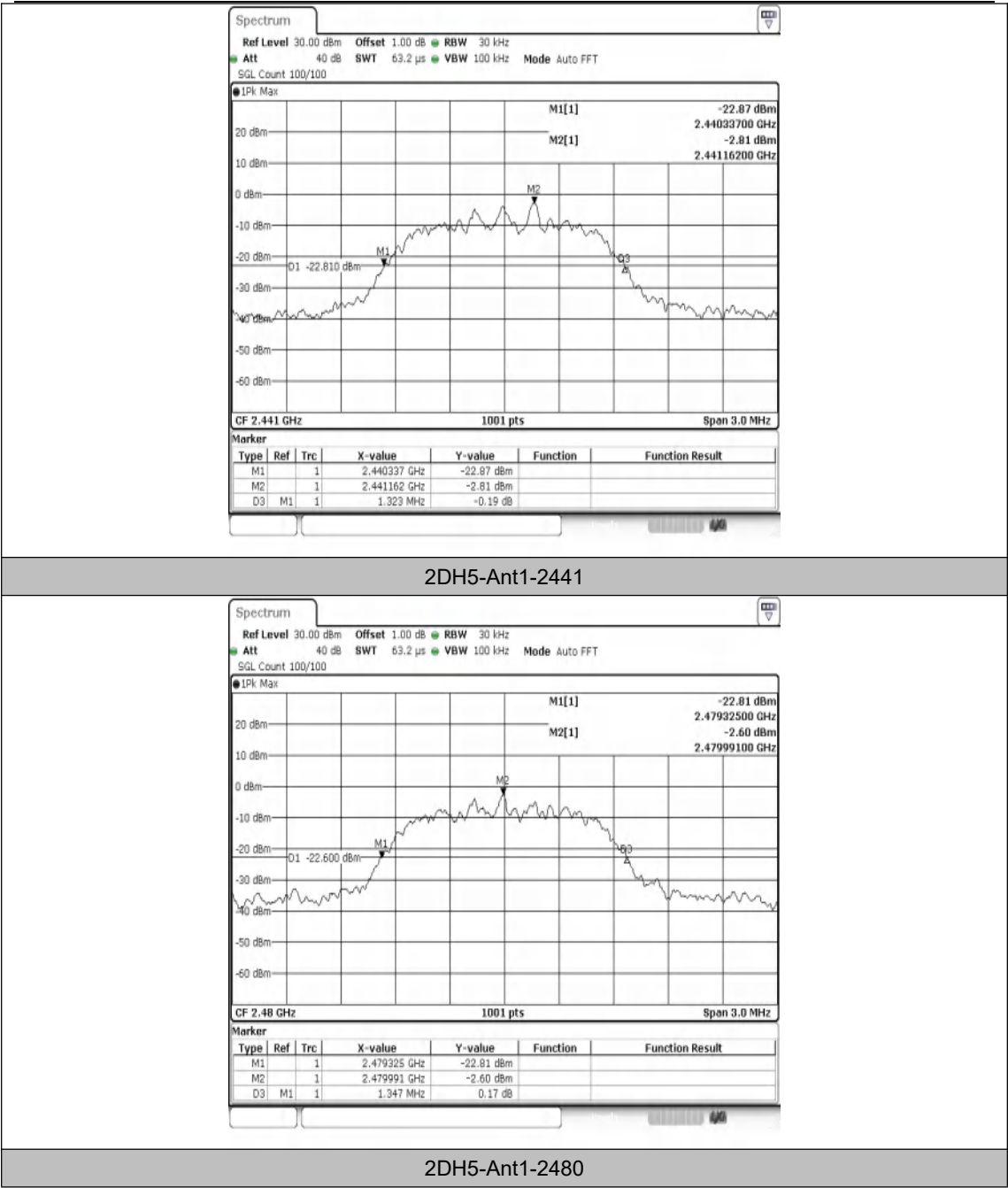
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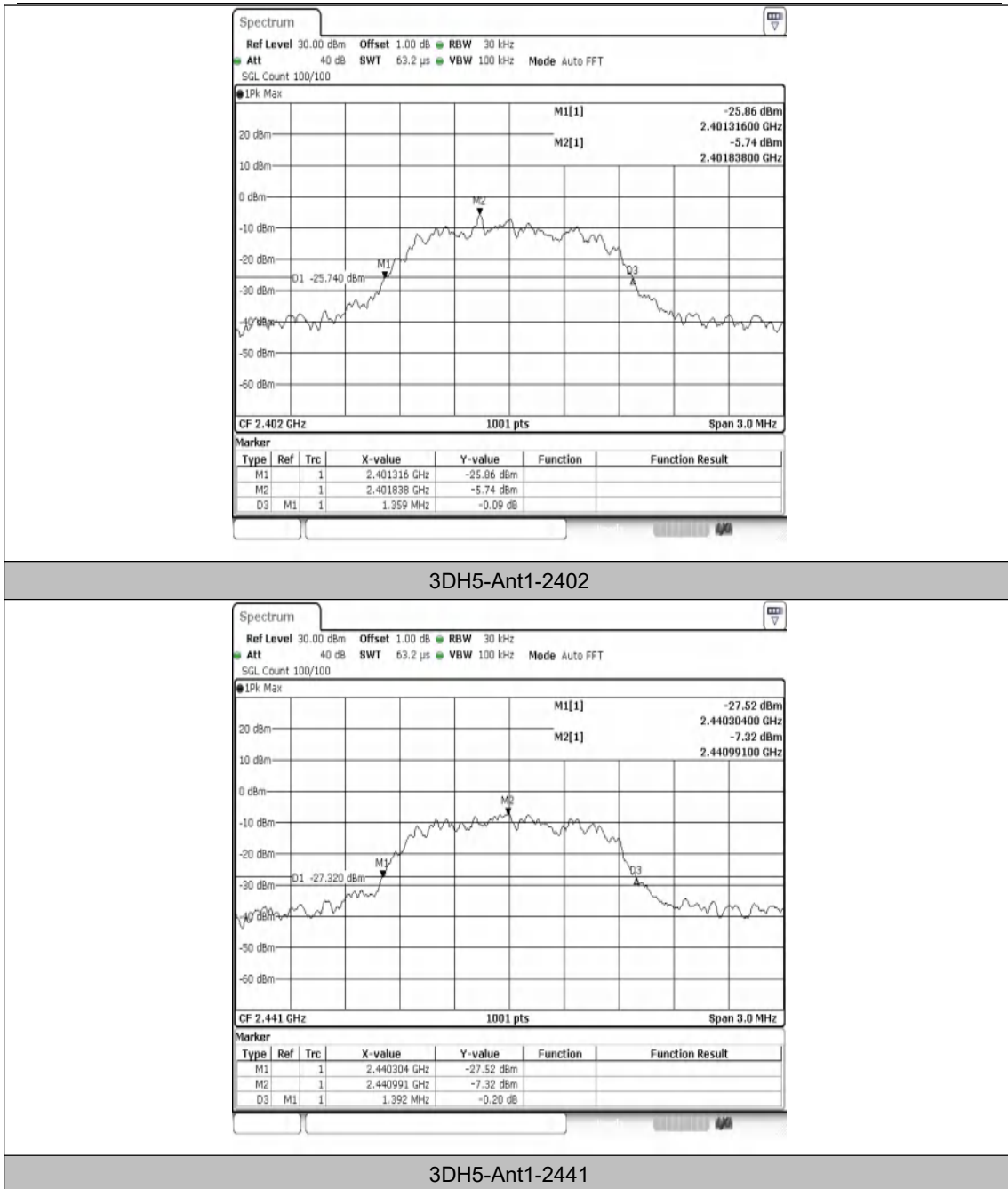


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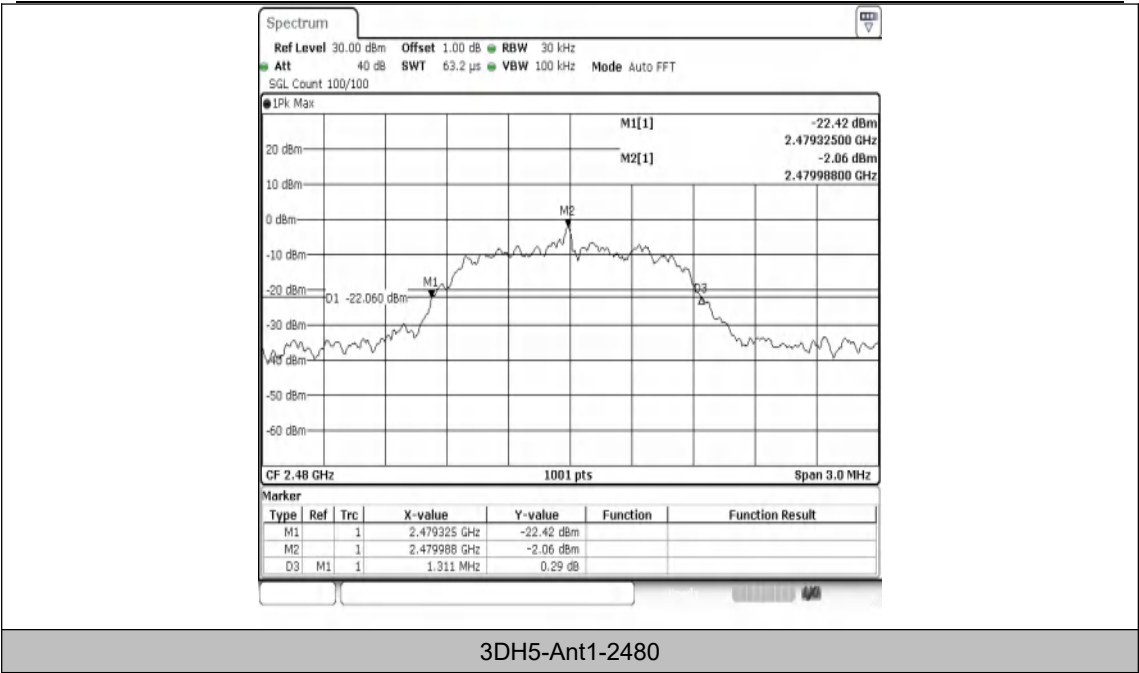




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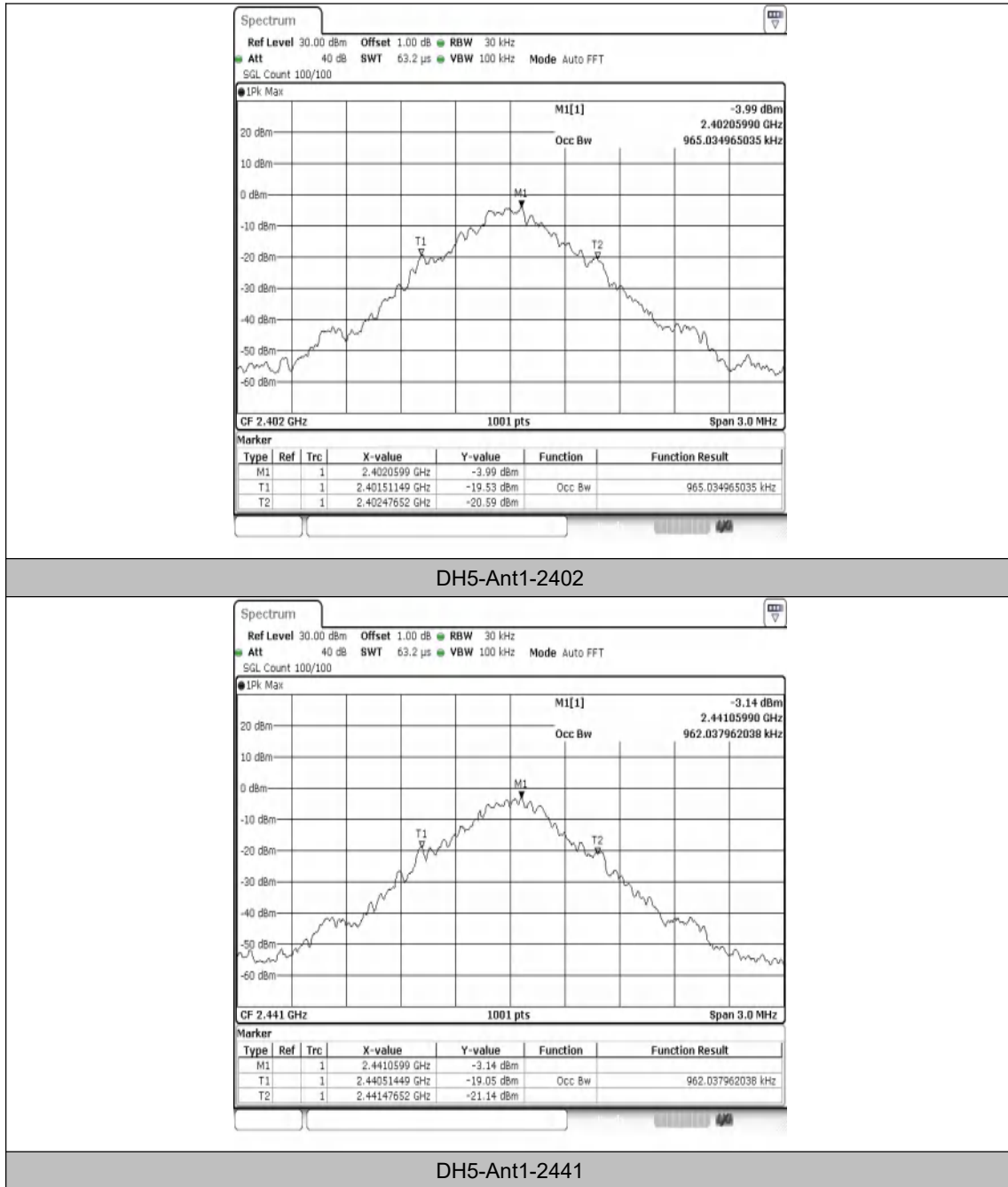
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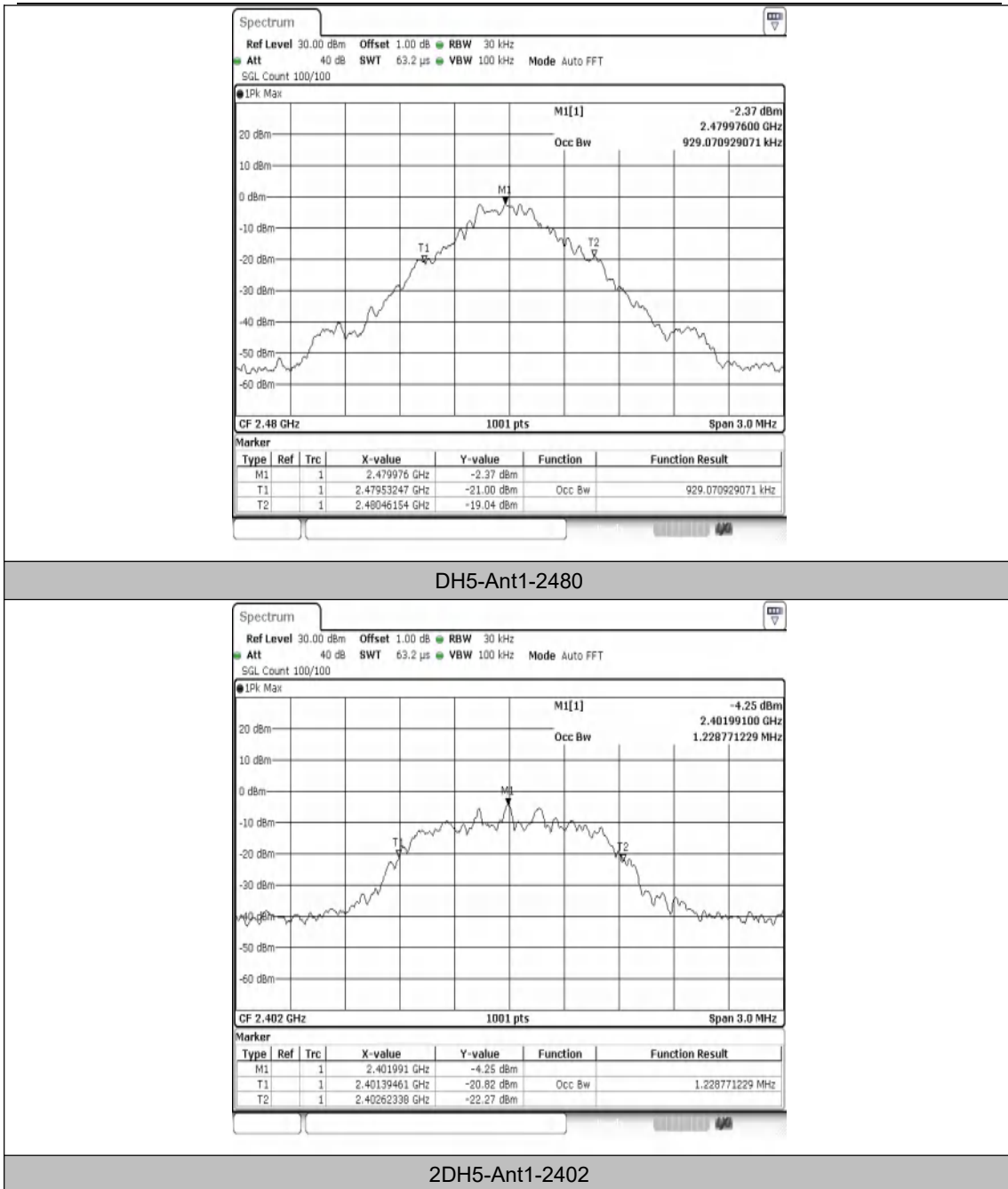
Appendix B: 99% Occupied Bandwidth

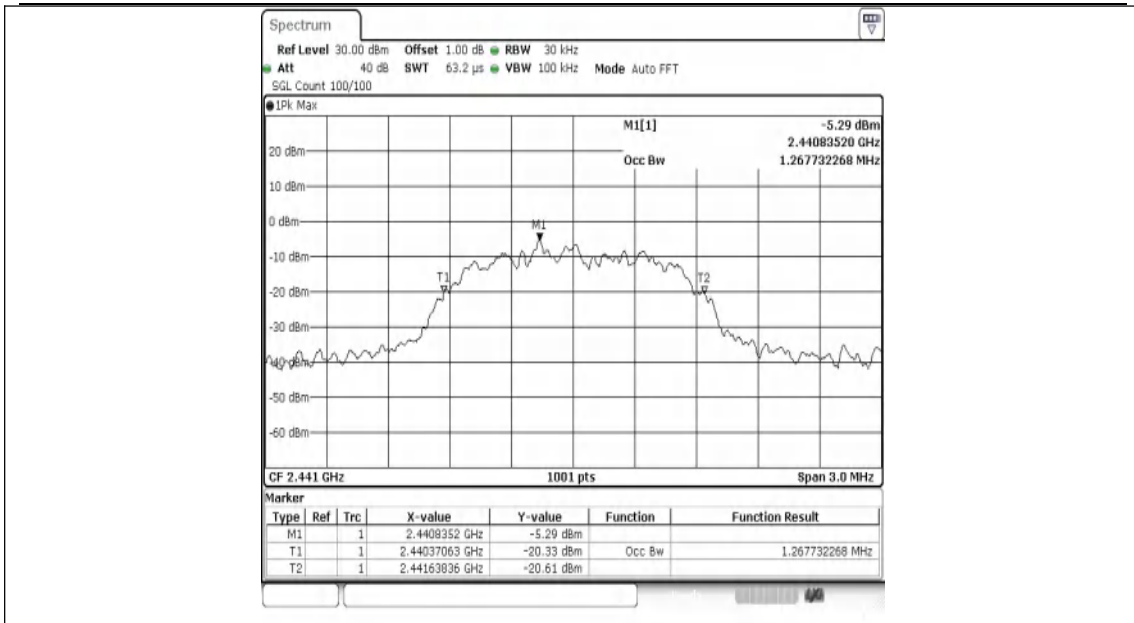
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96503	2401.5115	2402.4765	---	---
DH5	Ant1	2441	0.96204	2440.5145	2441.4765	---	---
DH5	Ant1	2480	0.92907	2479.5325	2480.4615	---	---
2DH5	Ant1	2402	1.2288	2401.3946	2402.6234	---	---
2DH5	Ant1	2441	1.2677	2440.3706	2441.6384	---	---
2DH5	Ant1	2480	1.2617	2479.3706	2480.6324	---	---
3DH5	Ant1	2402	1.2318	2401.3766	2402.6084	---	---
3DH5	Ant1	2441	1.2498	2440.3706	2441.6204	---	---
3DH5	Ant1	2480	1.2408	2479.3736	2480.6144	---	---

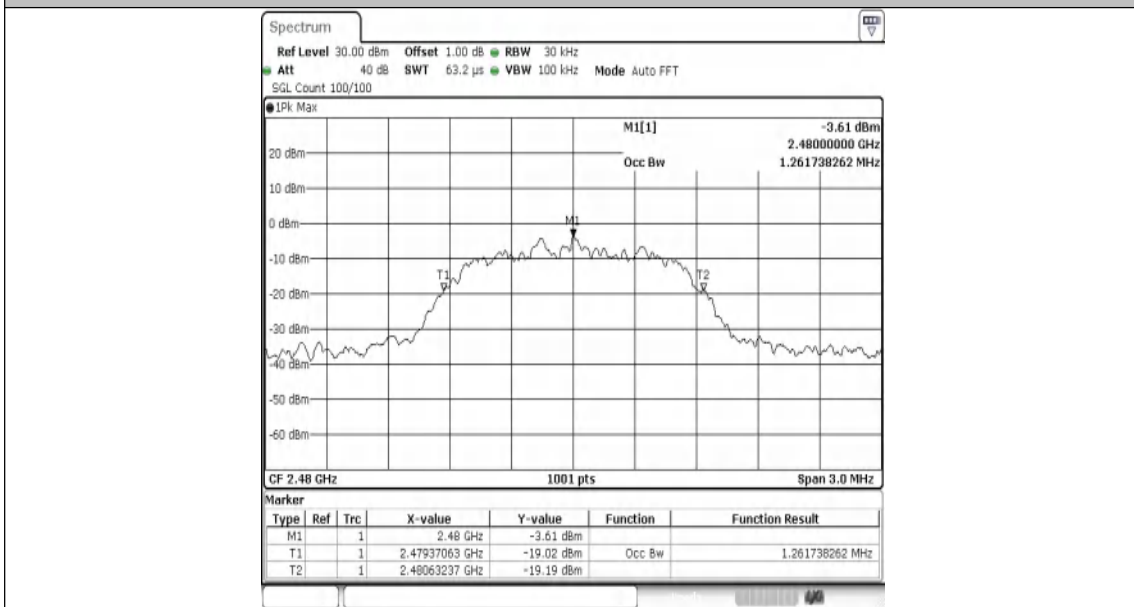
Test Graphs



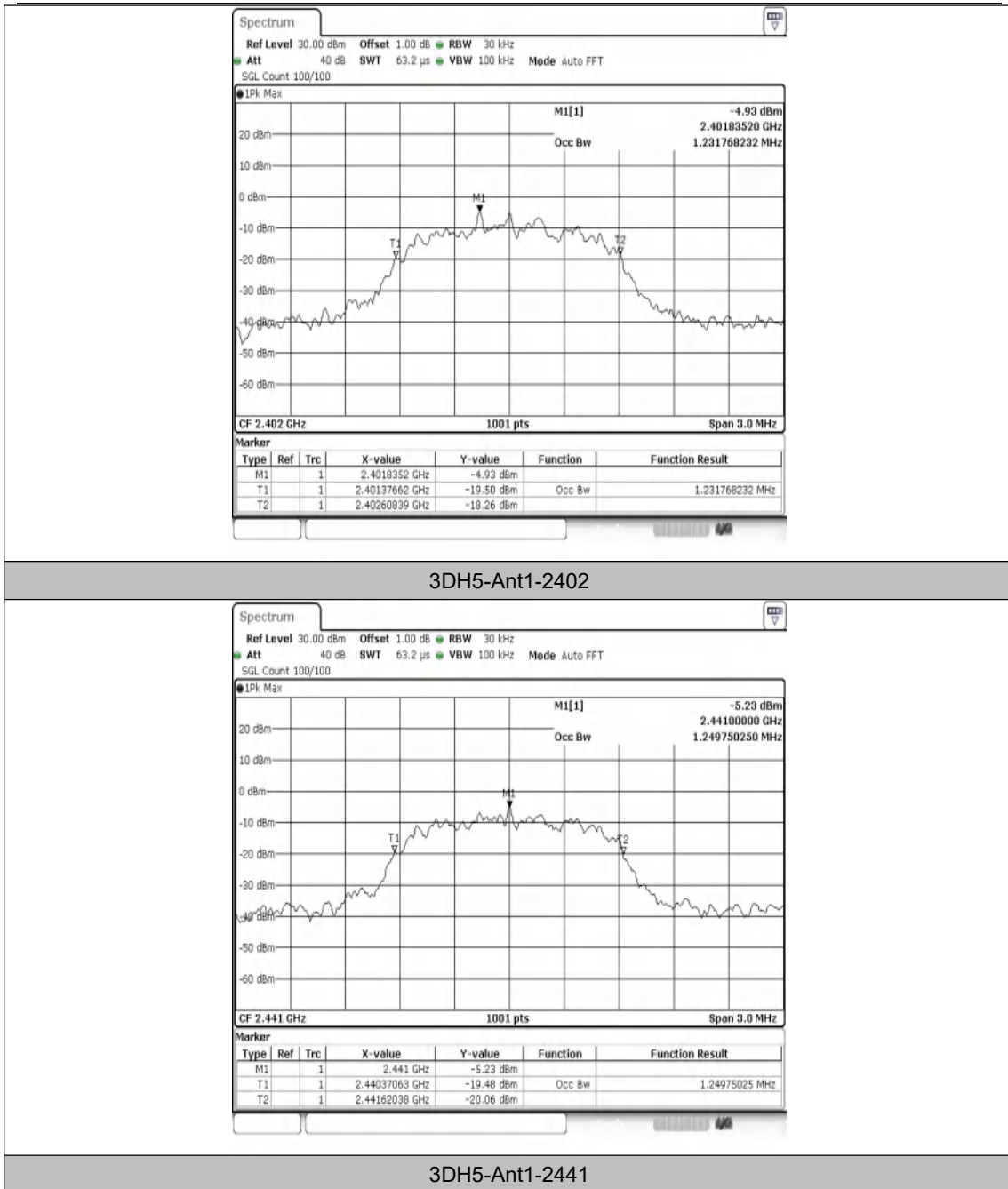


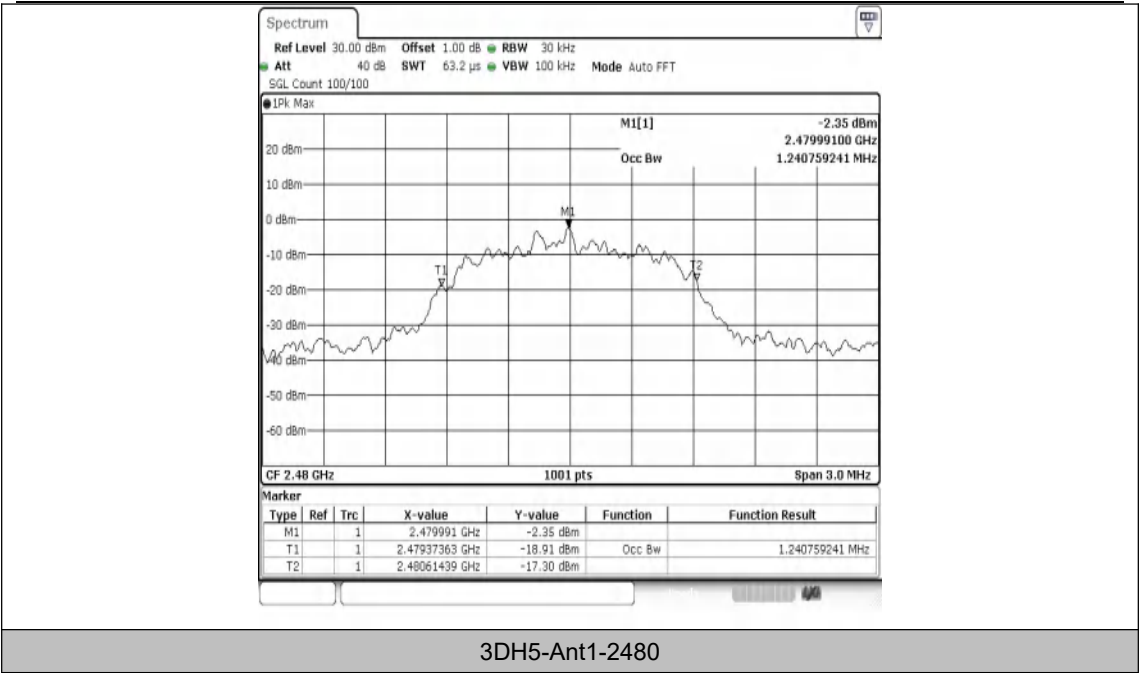


2DH5-Ant1-2441



2DH5-Ant1-2480



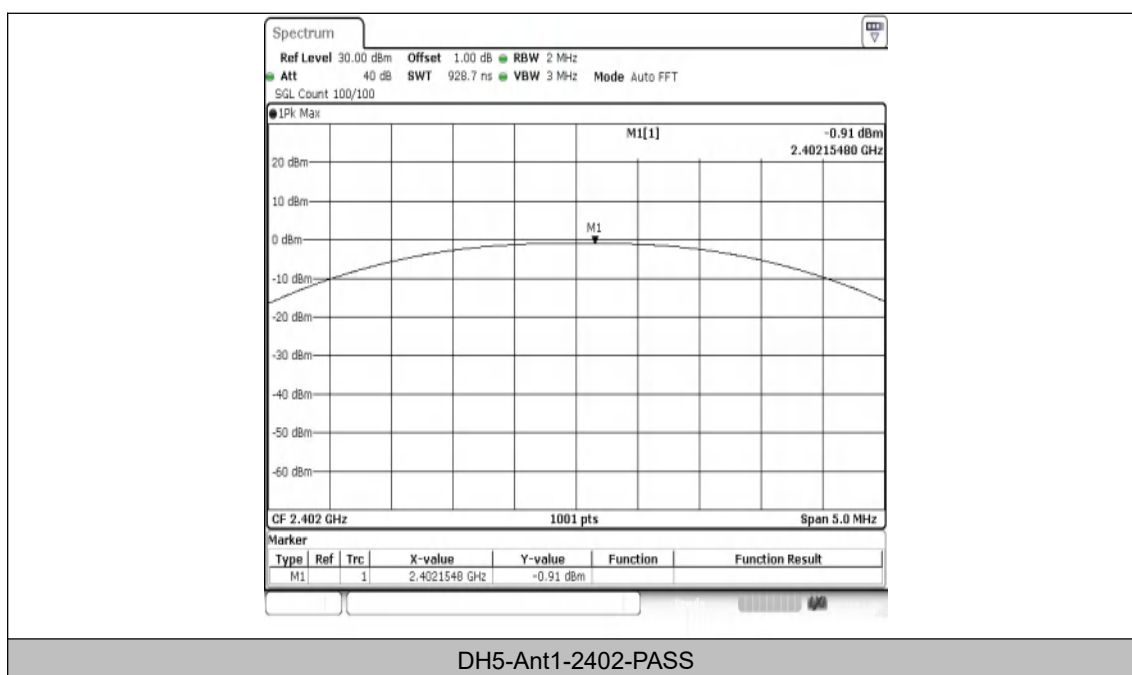


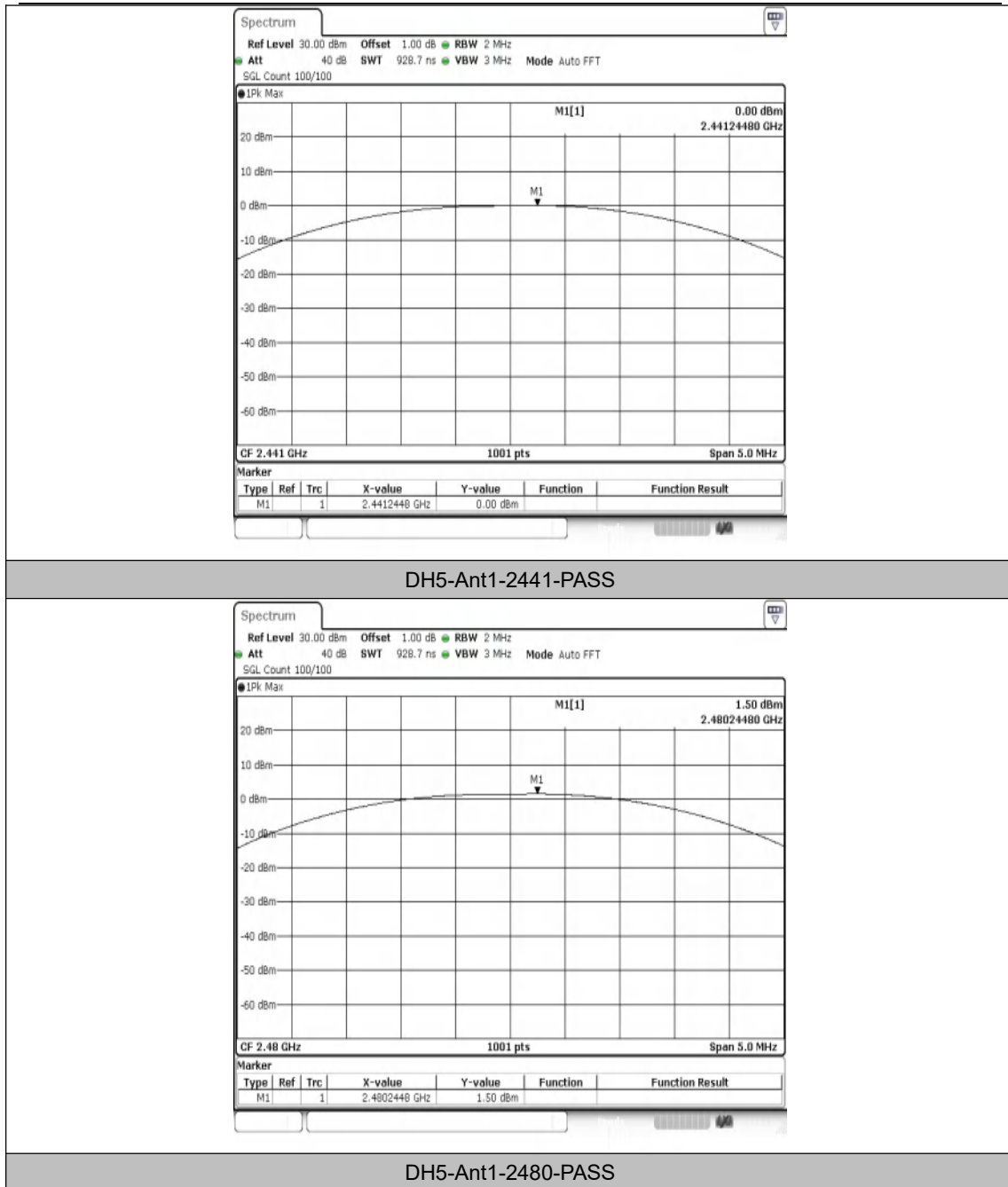
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.91	≤20.97	PASS
DH5	Ant1	2441	0.00	≤20.97	PASS
DH5	Ant1	2480	1.50	≤20.97	PASS
2DH5	Ant1	2402	-0.68	≤20.97	PASS
2DH5	Ant1	2441	0.29	≤20.97	PASS
2DH5	Ant1	2480	1.67	≤20.97	PASS
3DH5	Ant1	2402	-0.60	≤20.97	PASS
3DH5	Ant1	2441	0.28	≤20.97	PASS
3DH5	Ant1	2480	1.66	≤20.97	PASS

Test Graphs

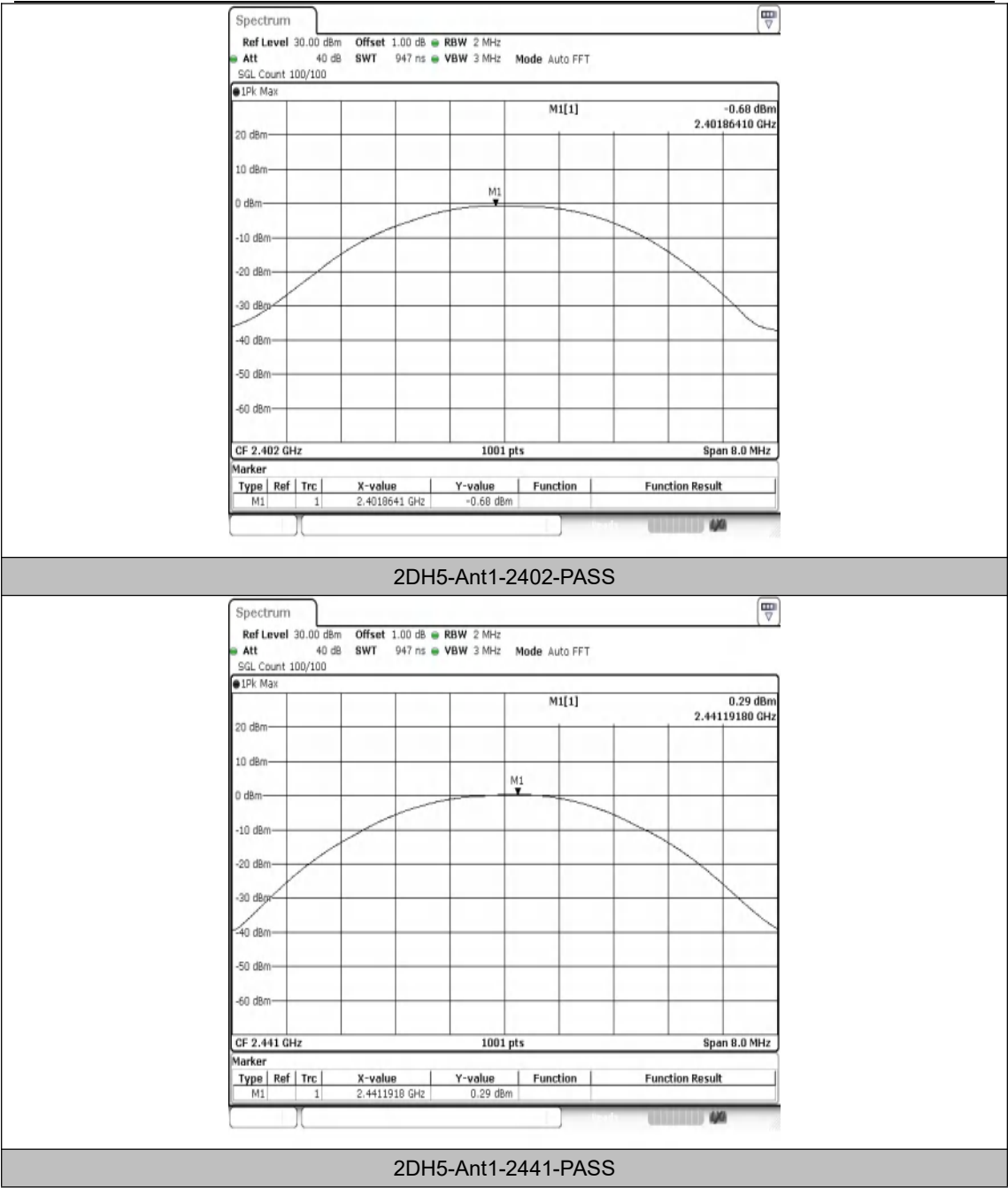


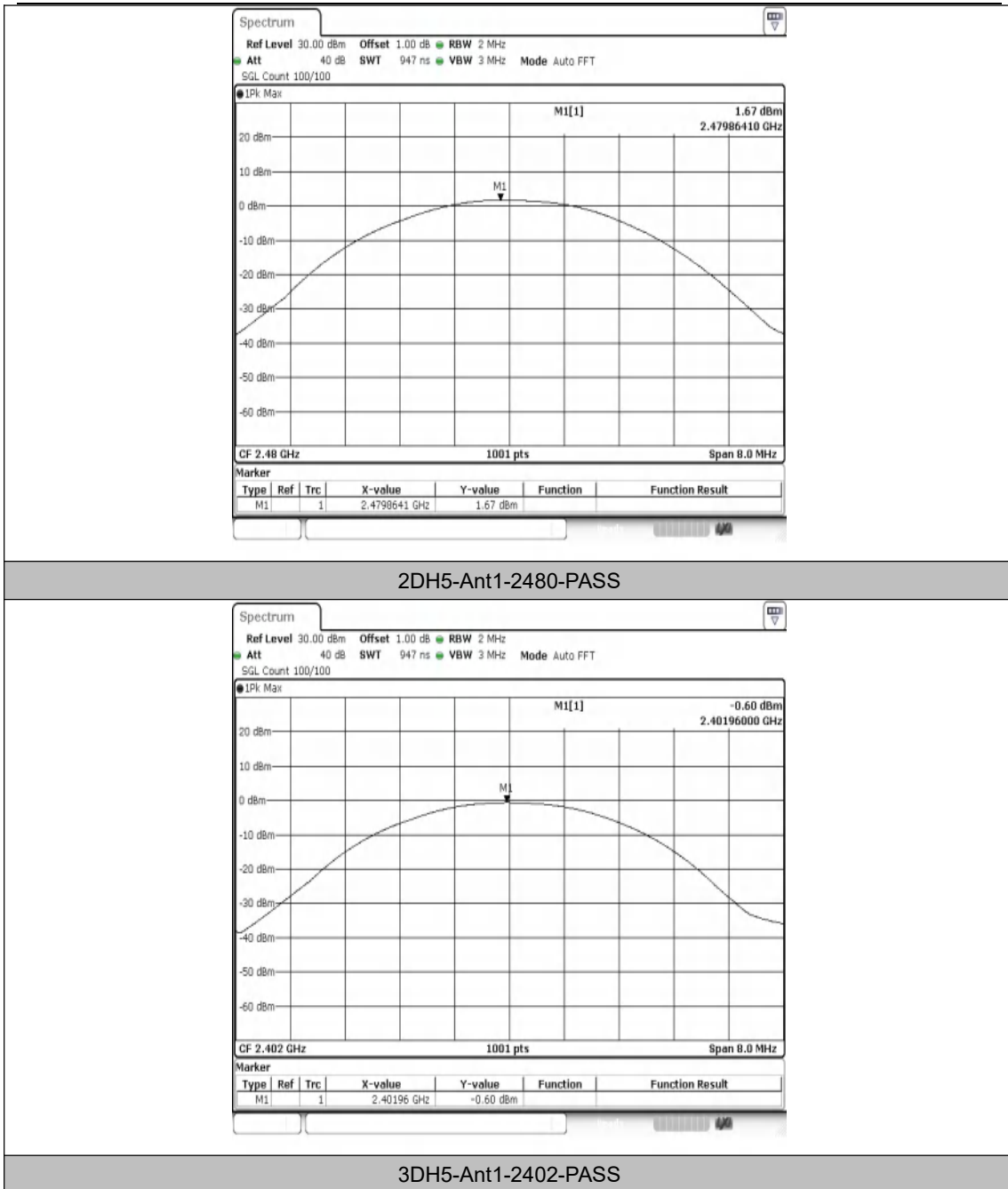


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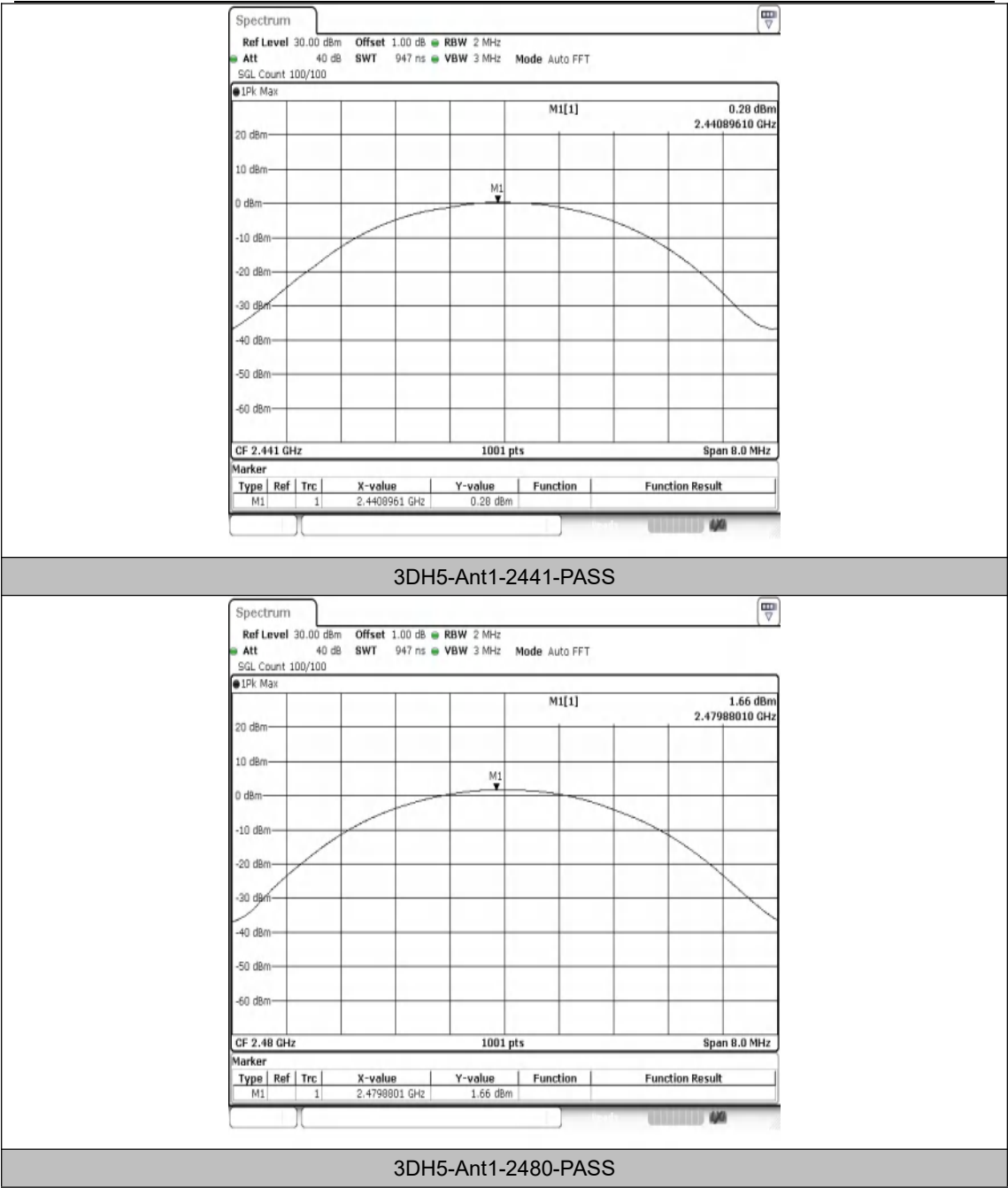




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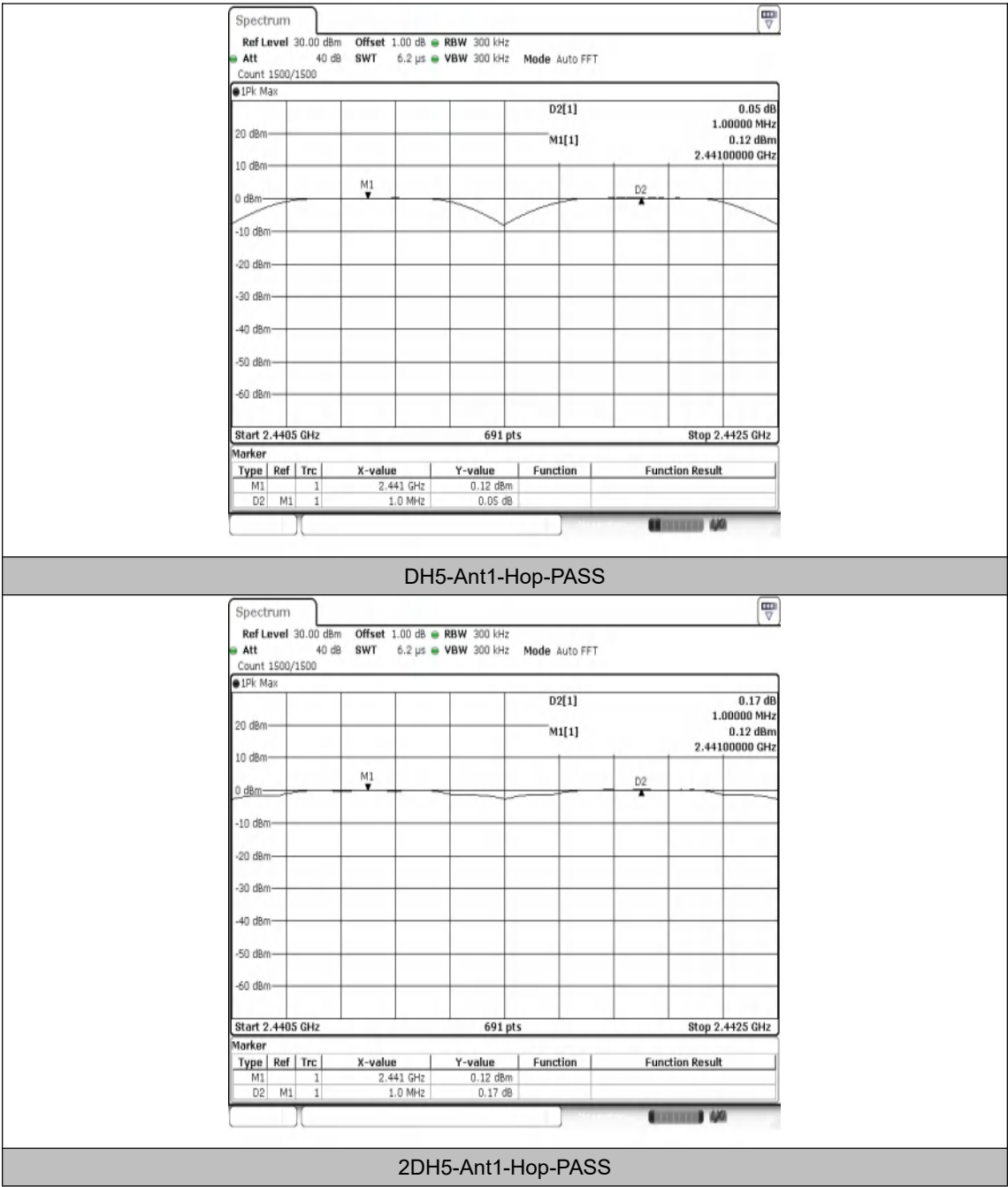


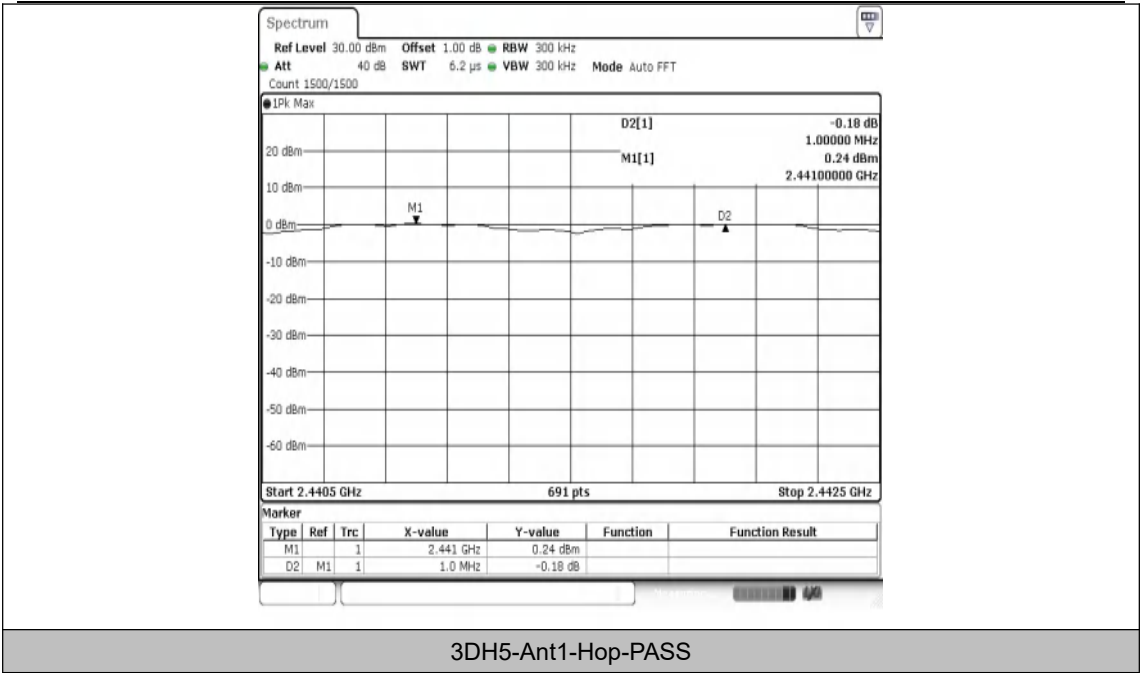
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.000	≥ 0.693	PASS
2DH5	Ant1	Hop	1.000	≥ 0.907	PASS
3DH5	Ant1	Hop	1.000	≥ 0.927	PASS

Test Graphs





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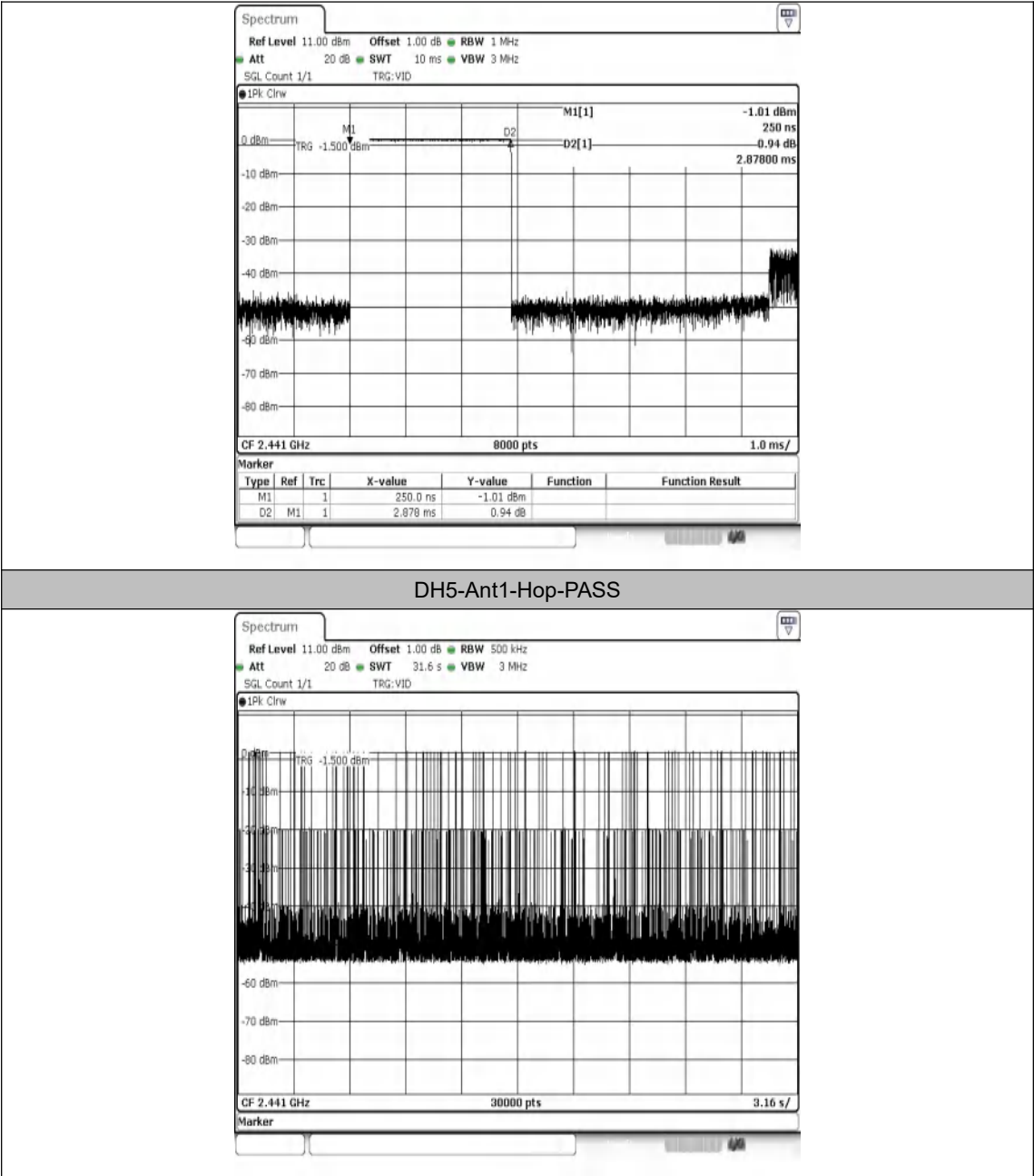
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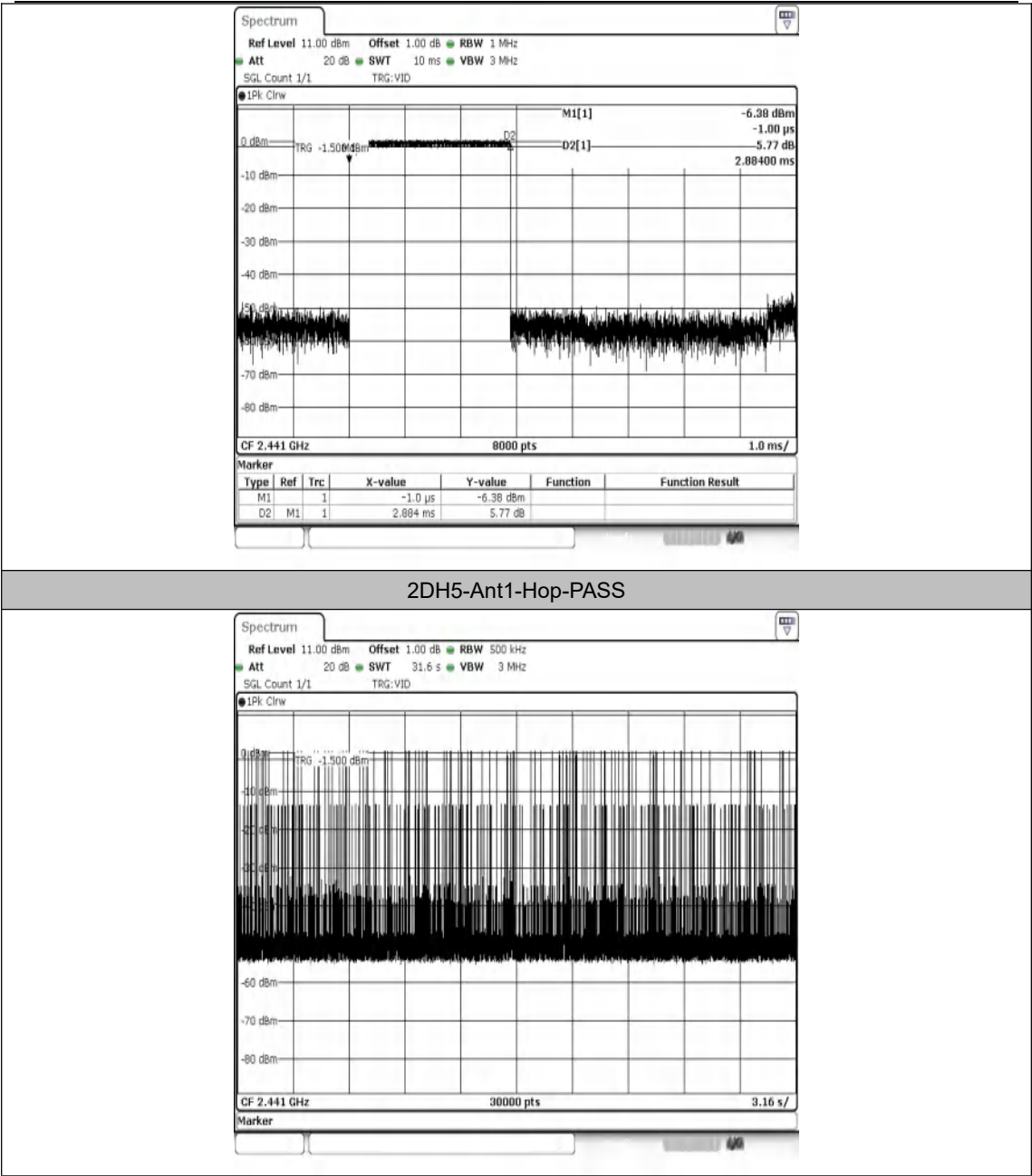
Appendix E: Dwell Time

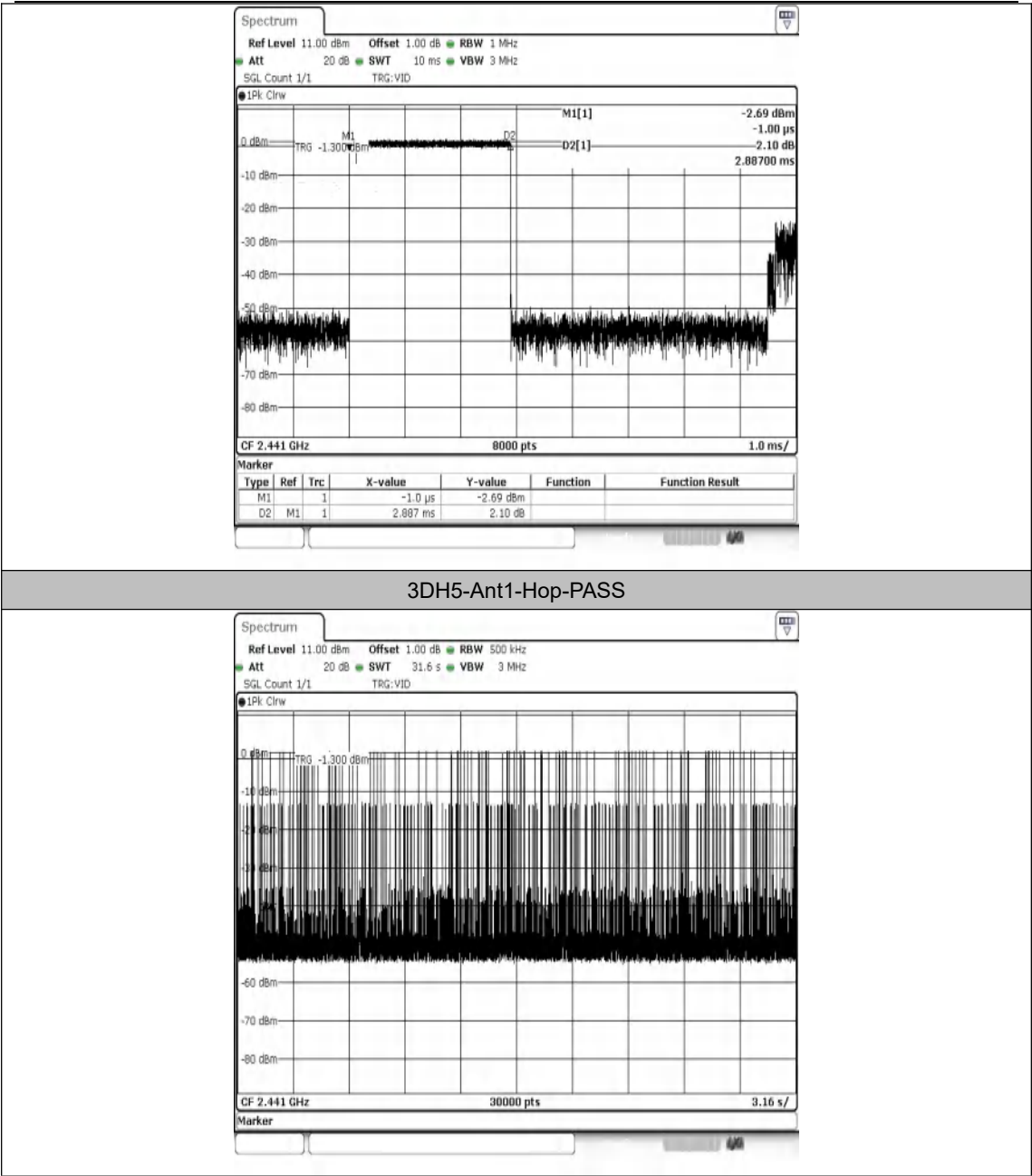
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.884	109	0.314	≤0.4	PASS
3DH5	Ant1	Hop	2.887	104	0.3	≤0.4	PASS

Test Graphs





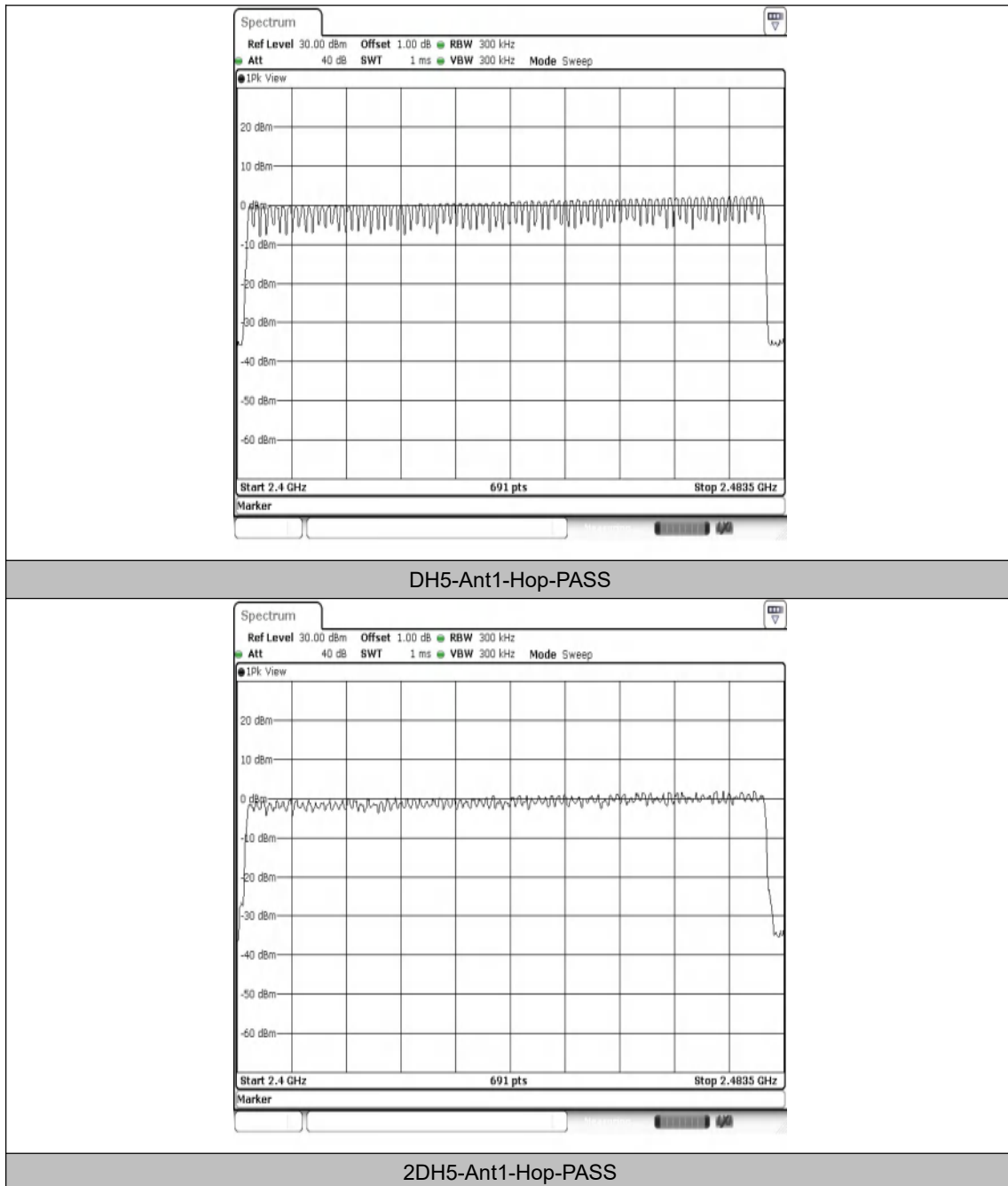


Appendix F: Number of Hopping Channel

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

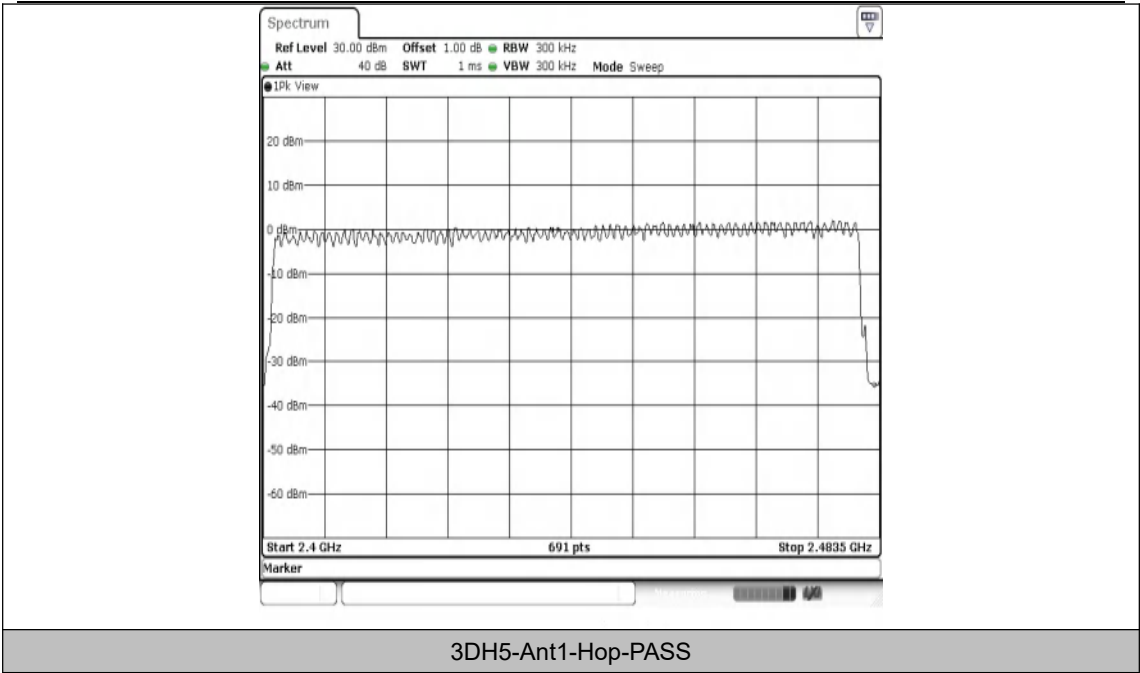
Test Graphs



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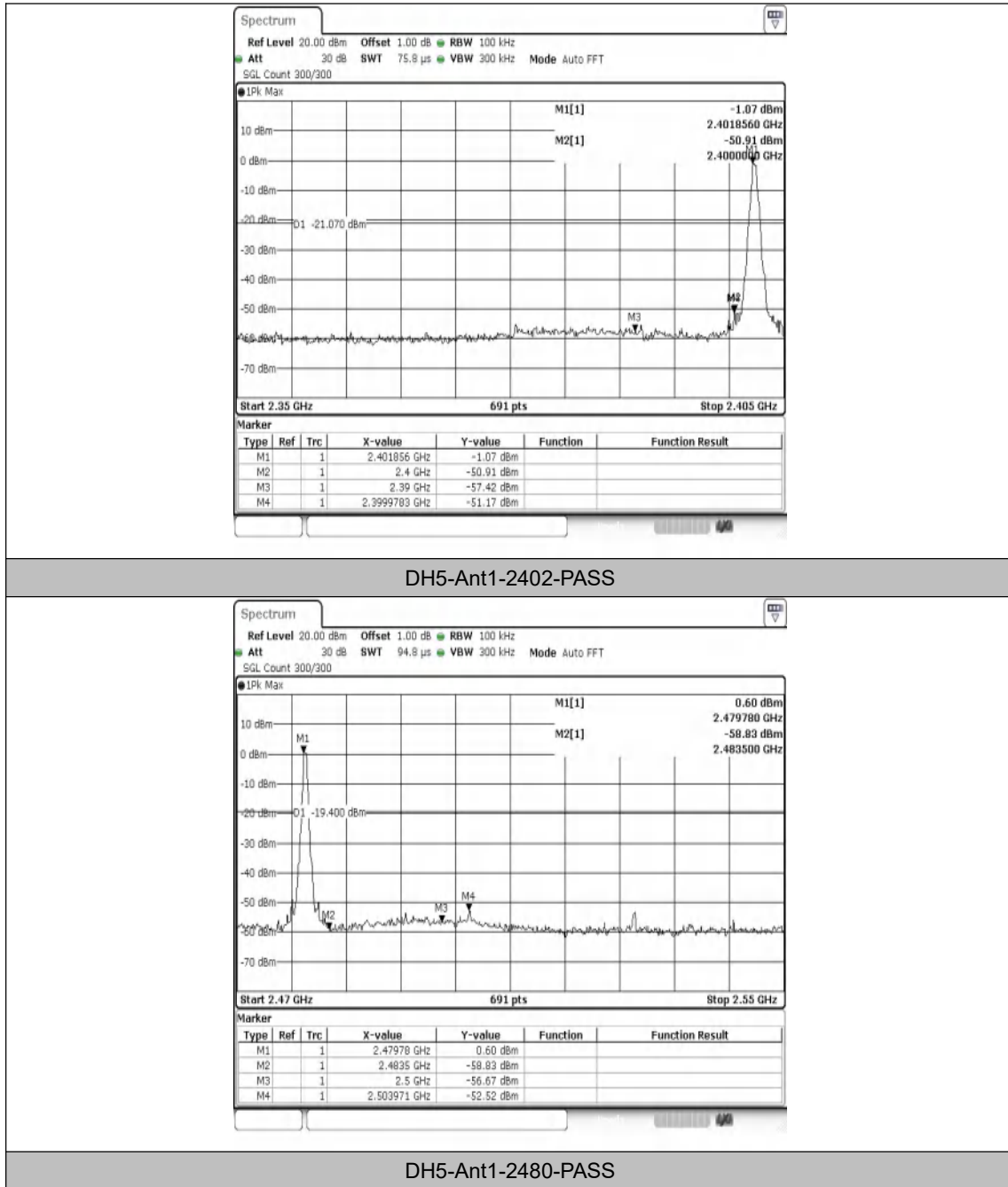
Appendix G: Conducted Band edge

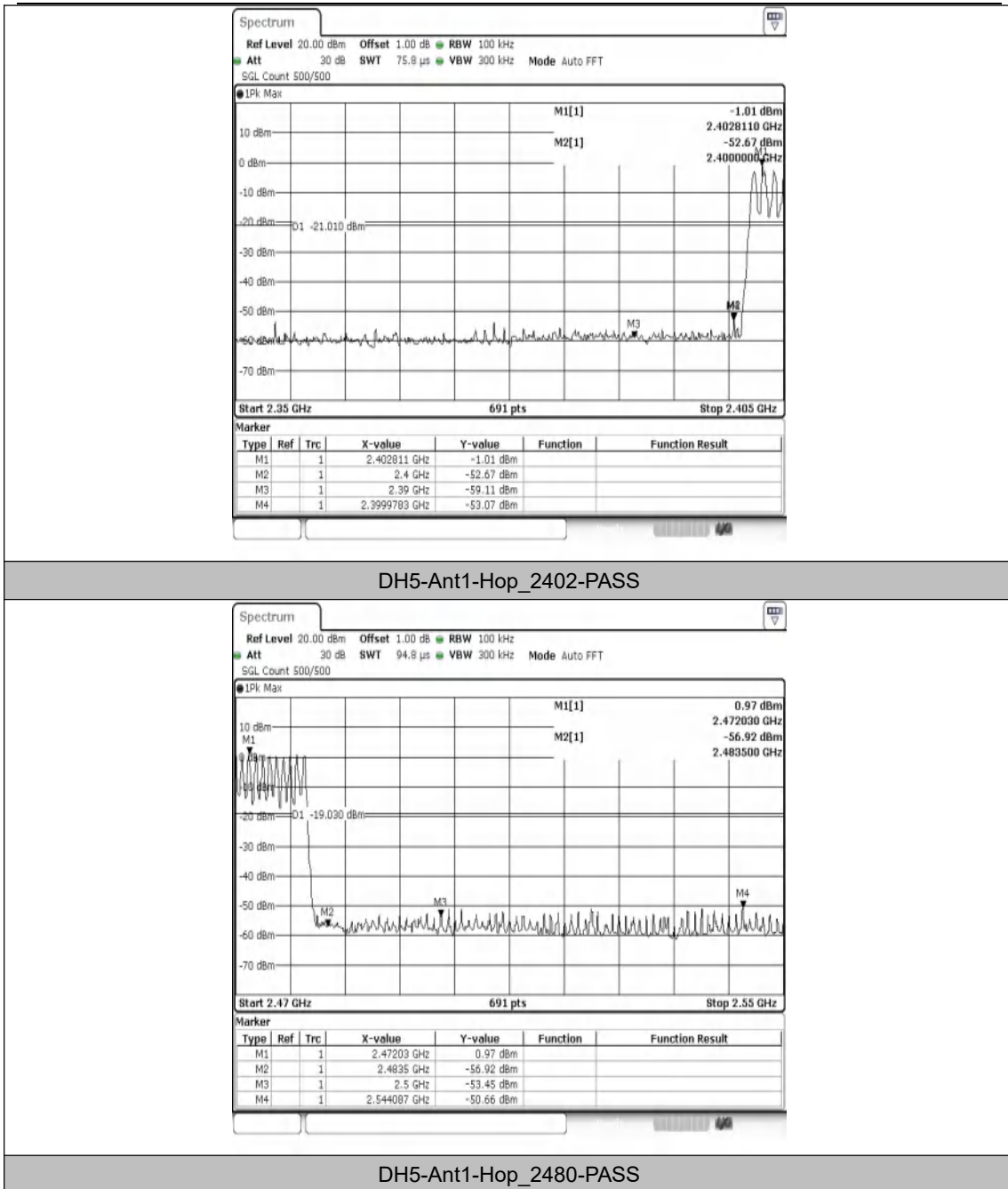
Test Result

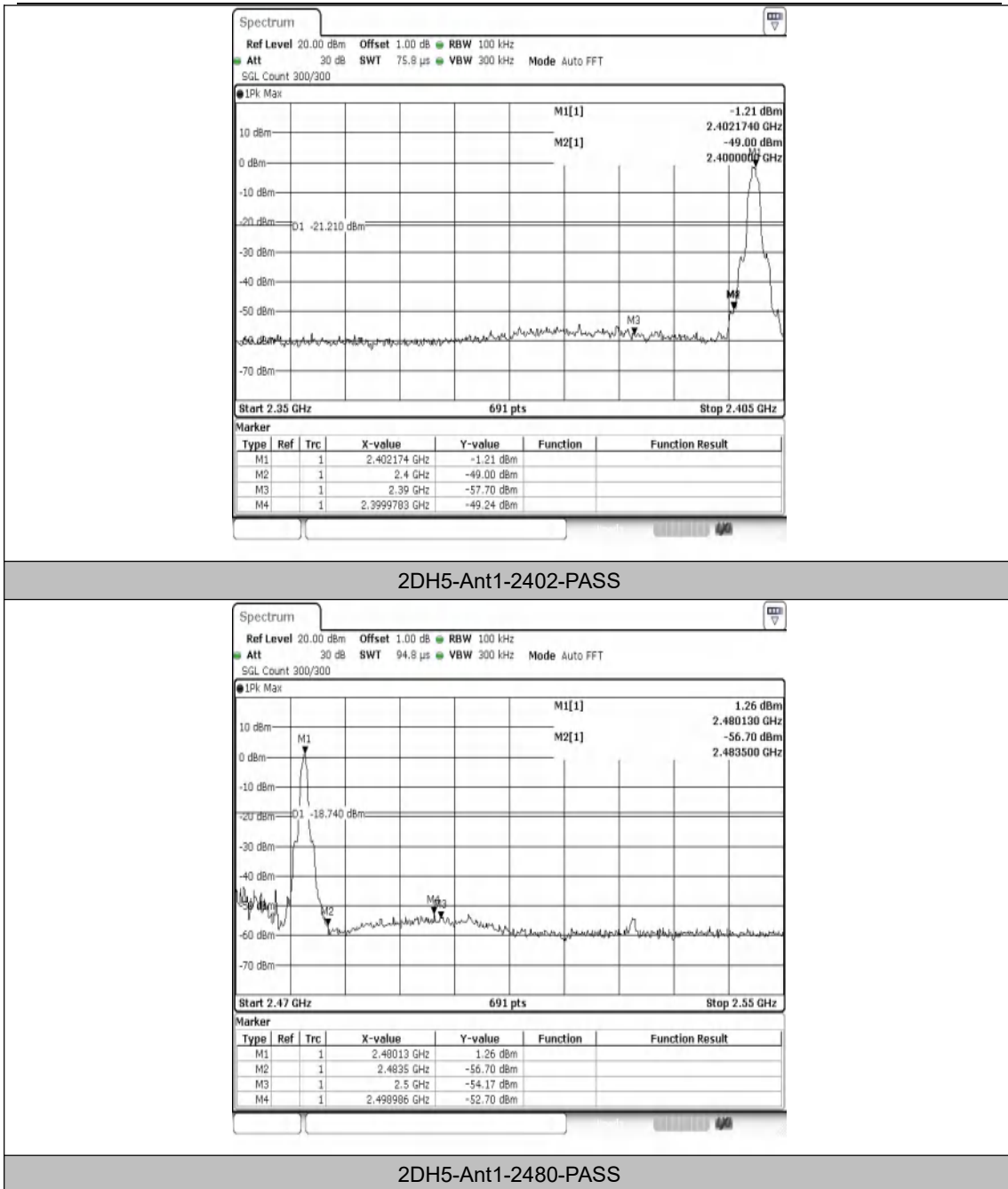
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.07	-51.17	≤ -21.07	PASS
DH5	Ant1	High	2480	0.60	-52.52	≤ -19.4	PASS
DH5	Ant1	Low	Hop_2402	-1.01	-53.07	≤ -21.01	PASS
DH5	Ant1	High	Hop_2480	0.97	-50.66	≤ -19.03	PASS
2DH5	Ant1	Low	2402	-1.21	-49.24	≤ -21.21	PASS
2DH5	Ant1	High	2480	1.26	-52.7	≤ -18.74	PASS
2DH5	Ant1	Low	Hop_2402	-5.78	-51.01	≤ -25.78	PASS
2DH5	Ant1	High	Hop_2480	-1.17	-52.74	≤ -21.17	PASS
3DH5	Ant1	Low	2402	-1.35	-48.29	≤ -21.35	PASS
3DH5	Ant1	High	2480	0.92	-53.01	≤ -19.08	PASS
3DH5	Ant1	Low	Hop_2402	-3.18	-47.36	≤ -23.18	PASS
3DH5	Ant1	High	Hop_2480	-2.23	-52.71	≤ -22.23	PASS

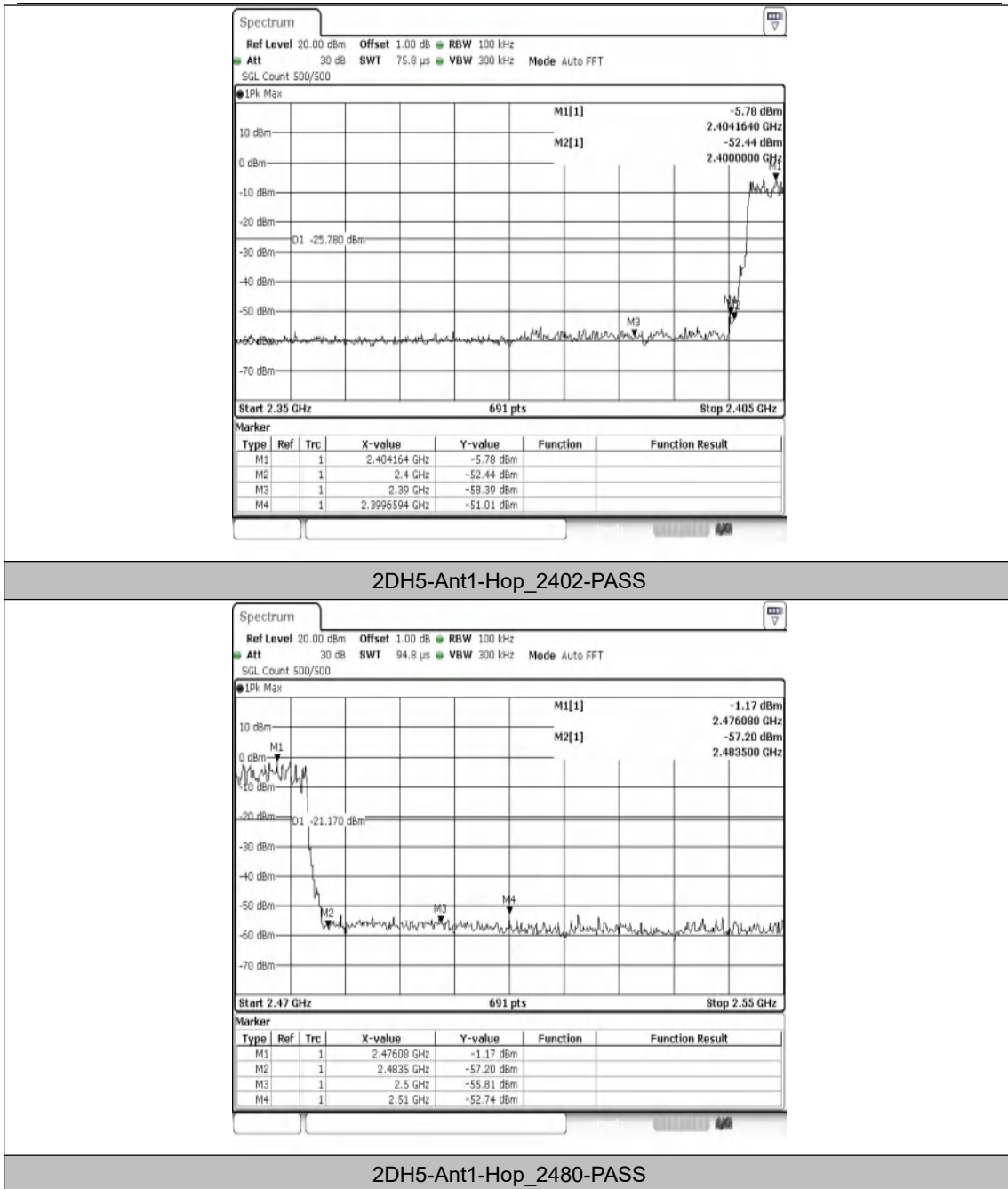
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

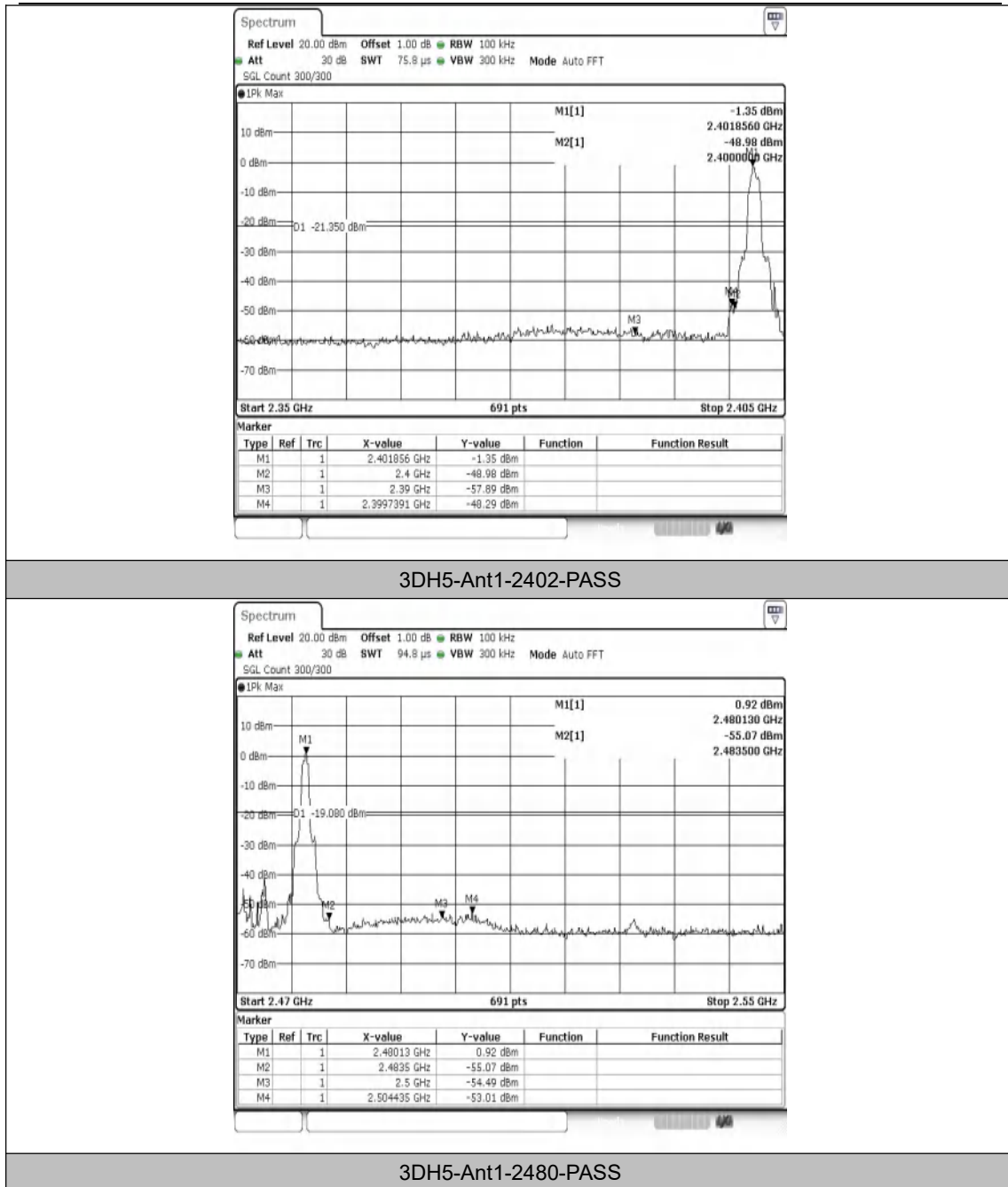
Test Graphs

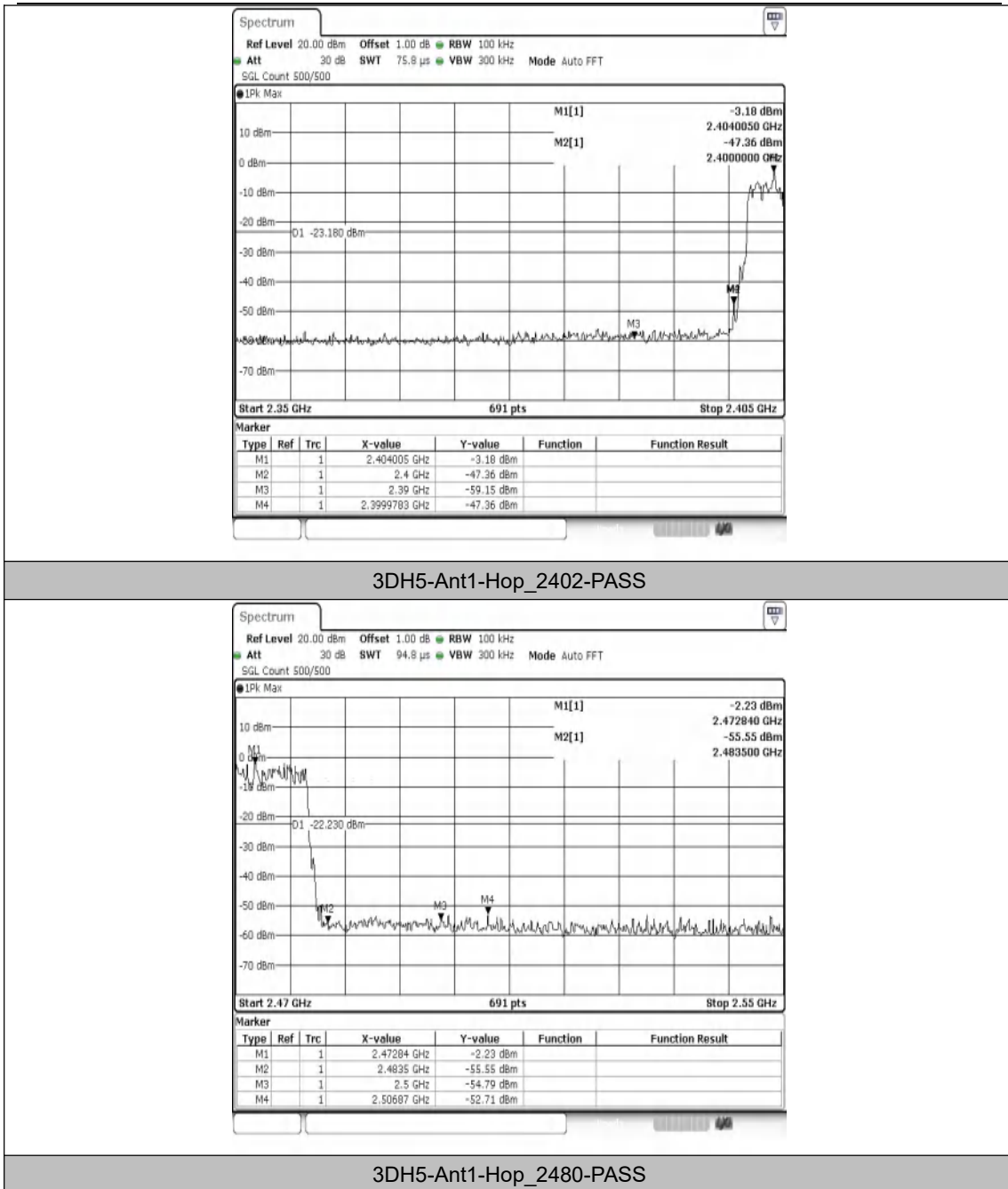












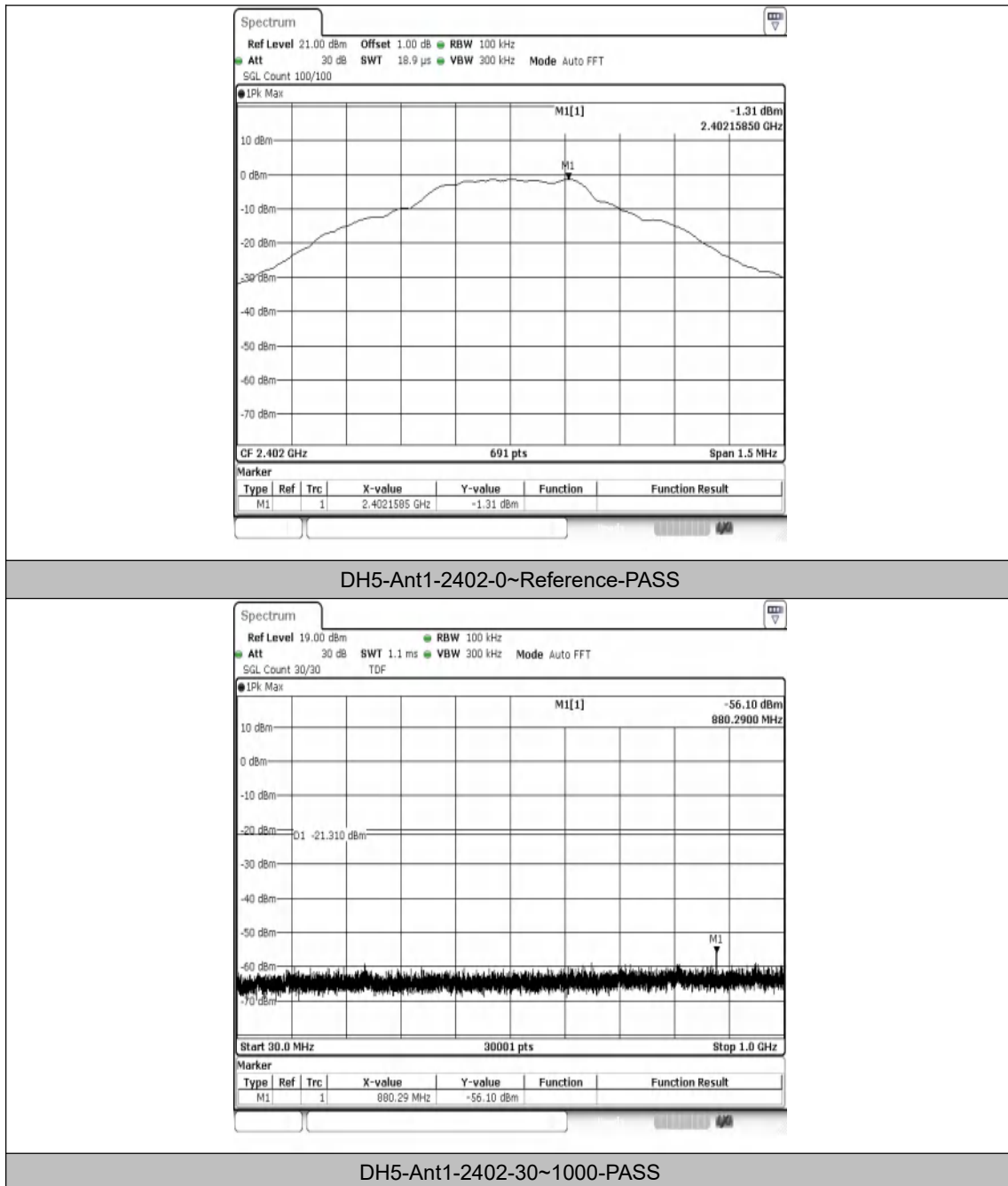
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.31	-1.31	---	PASS
DH5	Ant1	2402	30~1000	-1.31	-56.1	≤-21.31	PASS
DH5	Ant1	2402	1000~26500	-1.31	-40.81	≤-21.31	PASS
DH5	Ant1	2441	0~Reference	-0.30	-0.30	---	PASS
DH5	Ant1	2441	30~1000	-0.30	-53.65	≤-20.3	PASS
DH5	Ant1	2441	1000~26500	-0.30	-44.04	≤-20.3	PASS
DH5	Ant1	2480	0~Reference	0.29	0.29	---	PASS
DH5	Ant1	2480	30~1000	0.29	-51.27	≤-19.71	PASS
DH5	Ant1	2480	1000~26500	0.29	-43.46	≤-19.71	PASS
2DH5	Ant1	2402	0~Reference	-2.49	-2.49	---	PASS
2DH5	Ant1	2402	30~1000	-2.49	-53.94	≤-22.49	PASS
2DH5	Ant1	2402	1000~26500	-2.49	-43.17	≤-22.49	PASS
2DH5	Ant1	2441	0~Reference	-0.20	-0.20	---	PASS
2DH5	Ant1	2441	30~1000	-0.20	-50.26	≤-20.2	PASS
2DH5	Ant1	2441	1000~26500	-0.20	-43.12	≤-20.2	PASS
2DH5	Ant1	2480	0~Reference	1.05	1.05	---	PASS
2DH5	Ant1	2480	30~1000	1.05	-49.94	≤-18.95	PASS
2DH5	Ant1	2480	1000~26500	1.05	-44.72	≤-18.95	PASS
3DH5	Ant1	2402	0~Reference	-1.83	-1.83	---	PASS
3DH5	Ant1	2402	30~1000	-1.83	-50.79	≤-21.83	PASS
3DH5	Ant1	2402	1000~26500	-1.83	-44.09	≤-21.83	PASS
3DH5	Ant1	2441	0~Reference	-0.35	-0.35	---	PASS
3DH5	Ant1	2441	30~1000	-0.35	-51.3	≤-20.35	PASS
3DH5	Ant1	2441	1000~26500	-0.35	-43.79	≤-20.35	PASS
3DH5	Ant1	2480	0~Reference	0.26	0.26	---	PASS
3DH5	Ant1	2480	30~1000	0.26	-55.89	≤-19.74	PASS
3DH5	Ant1	2480	1000~26500	0.26	-44.15	≤-19.74	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.

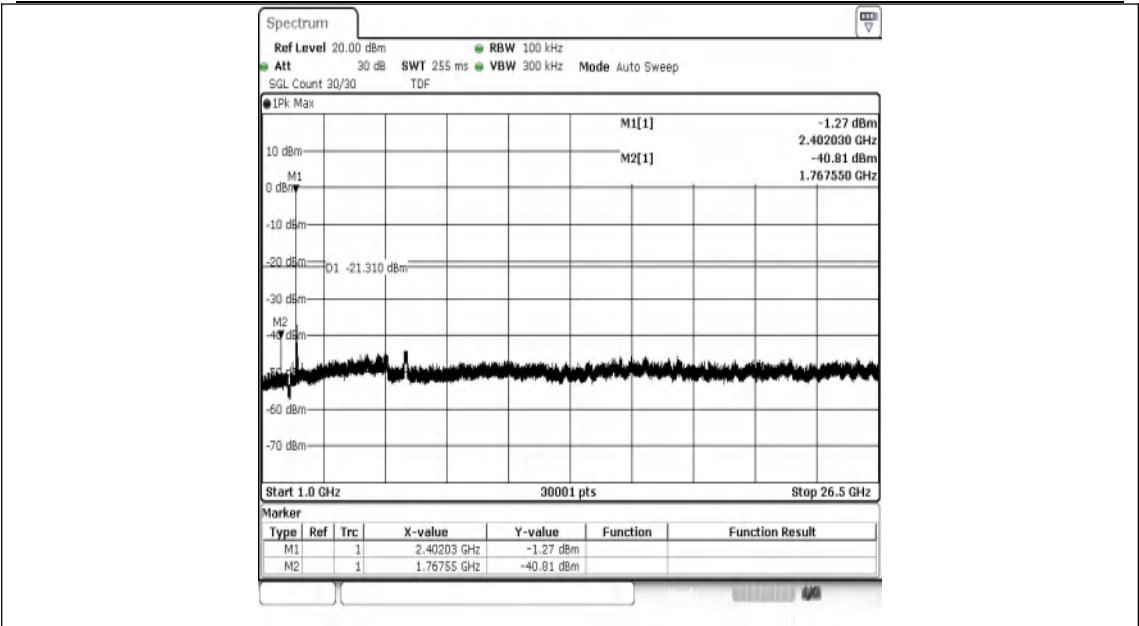
Test Graphs



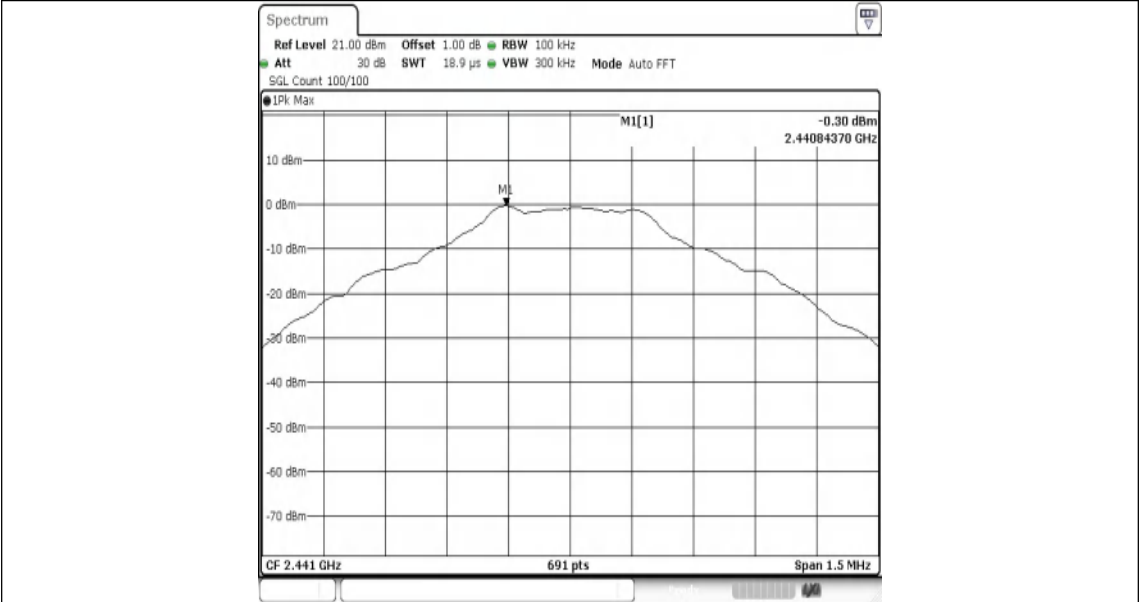
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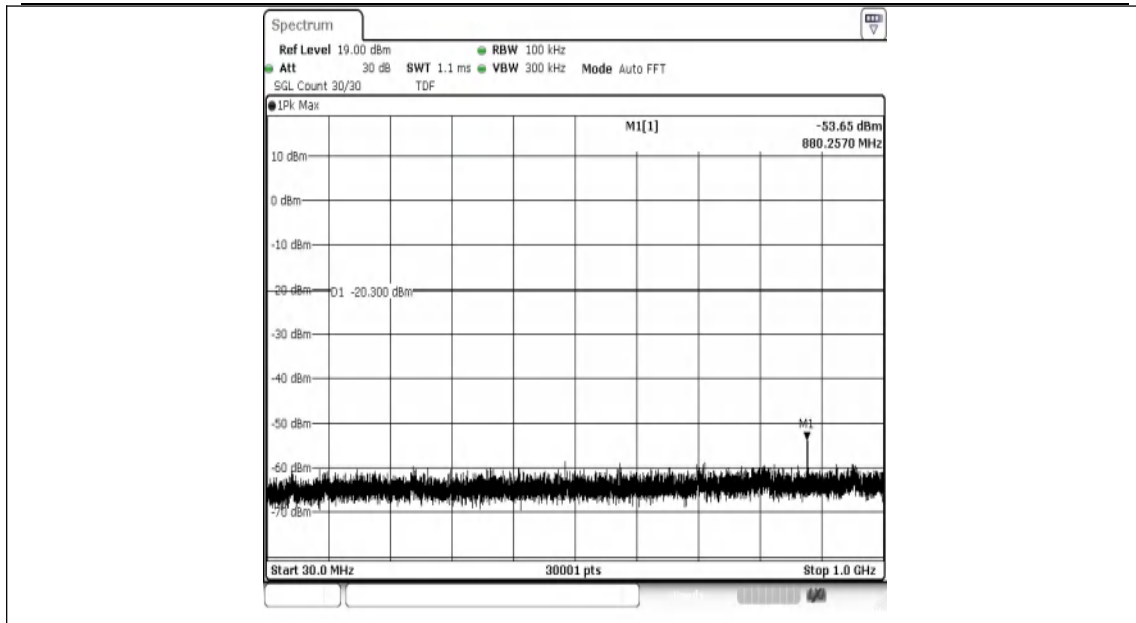
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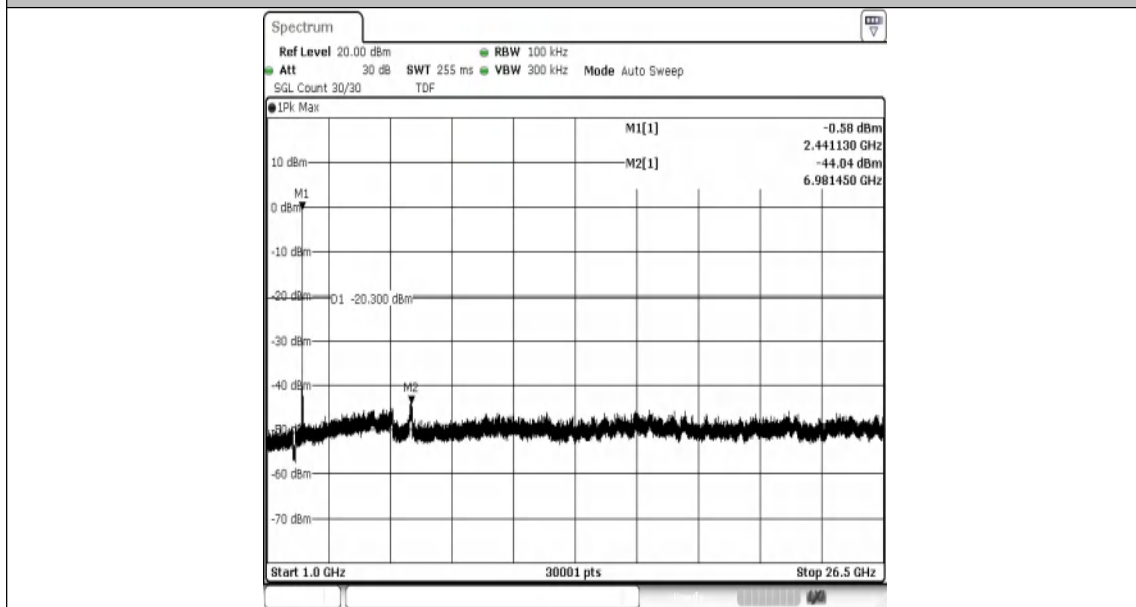
DH5-Ant1-2402-1000~26500-PASS



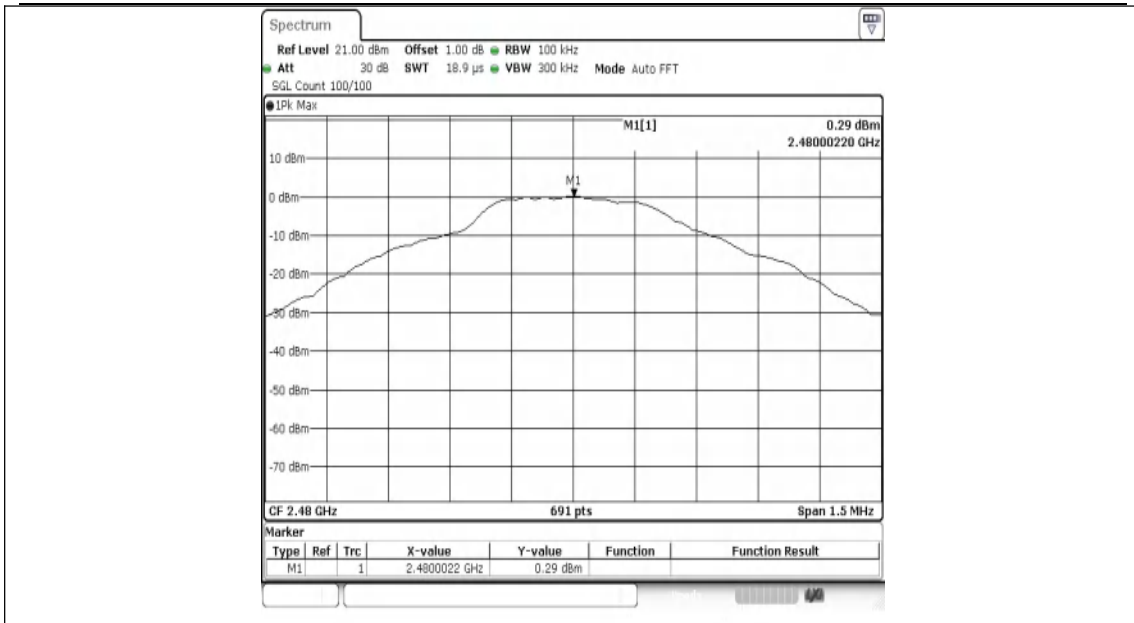
DH5-Ant1-2441-0~Reference-PASS



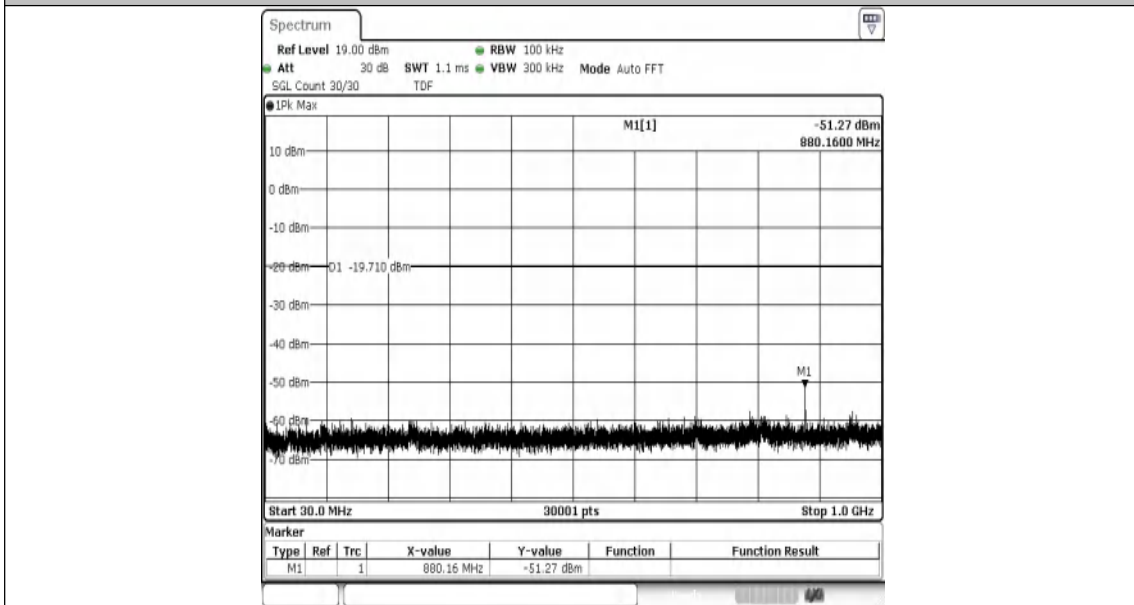
DH5-Ant1-2441-30~1000-PASS



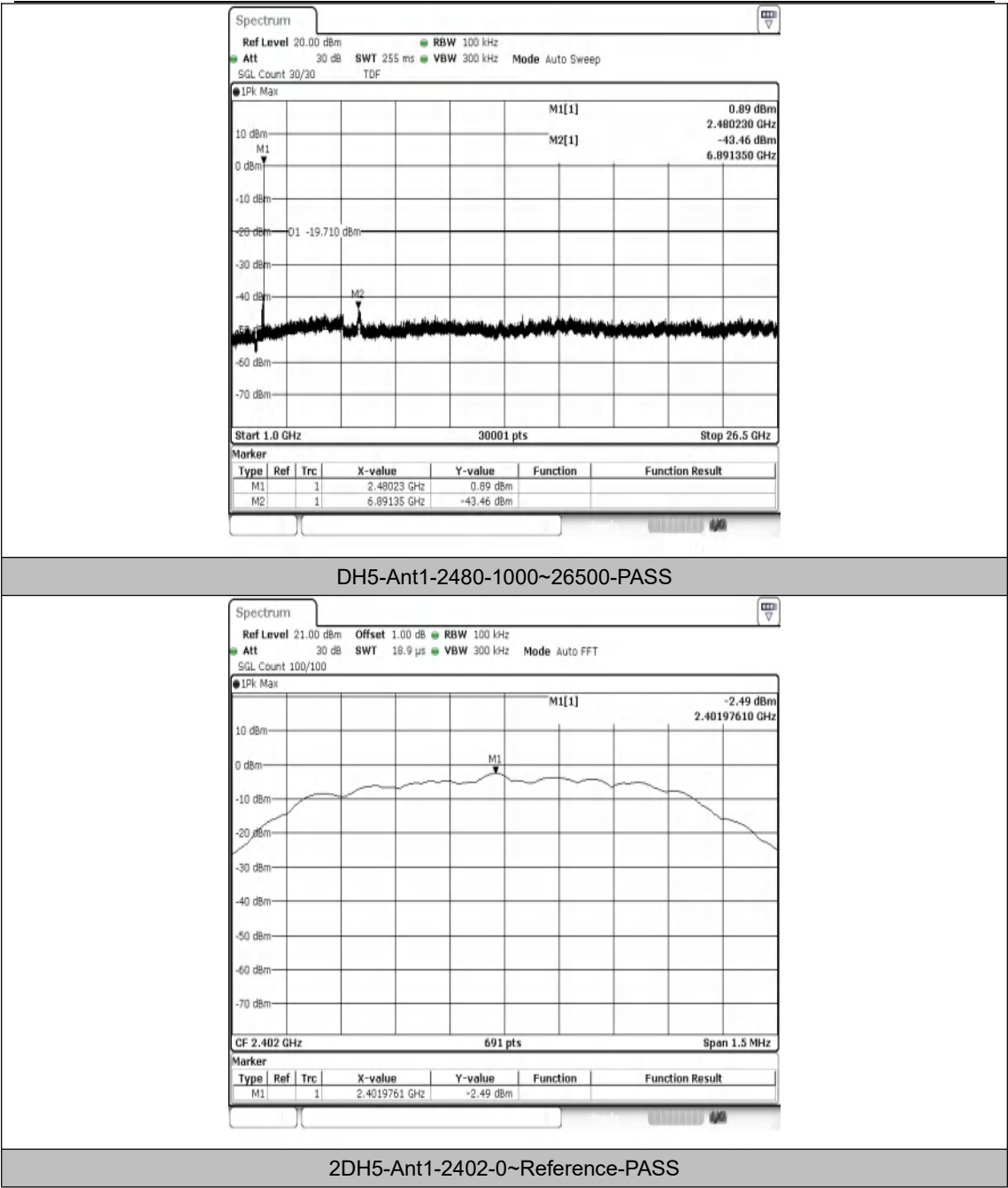
DH5-Ant1-2441-1000~26500-PASS

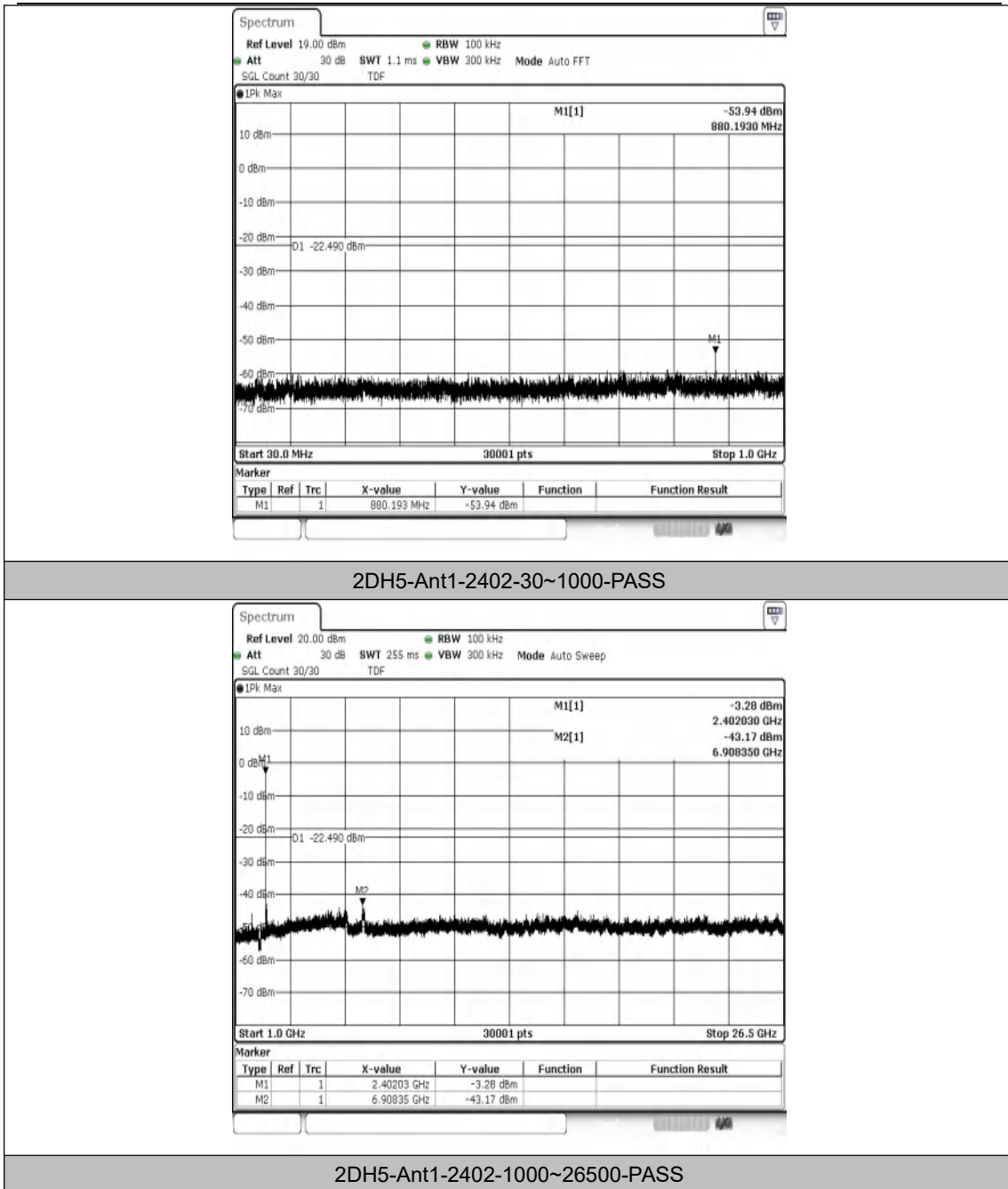


DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

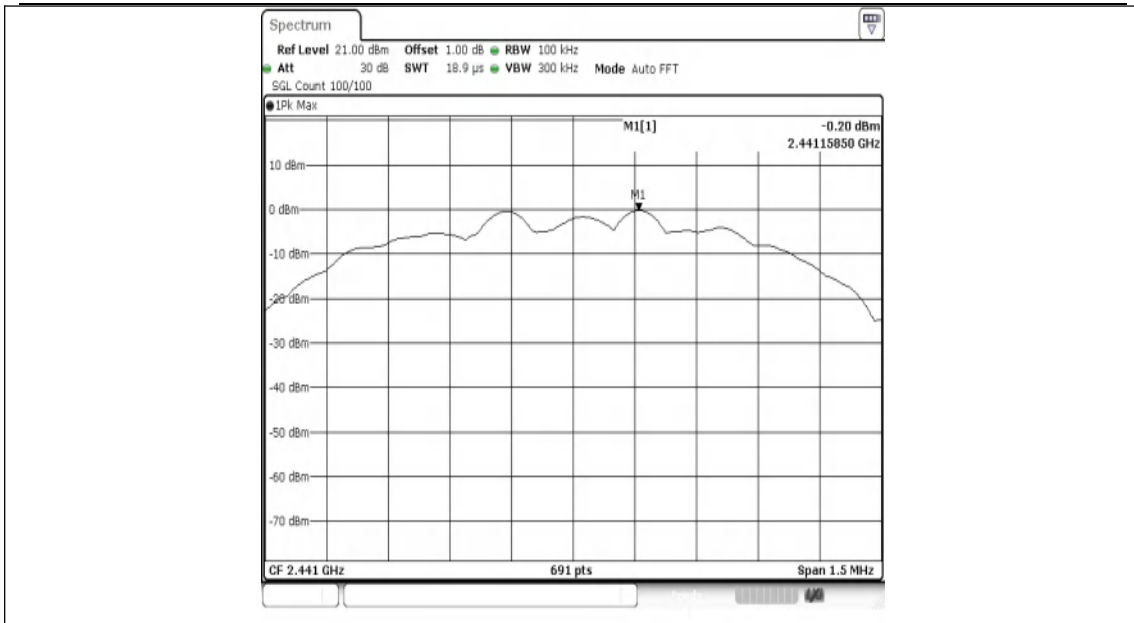




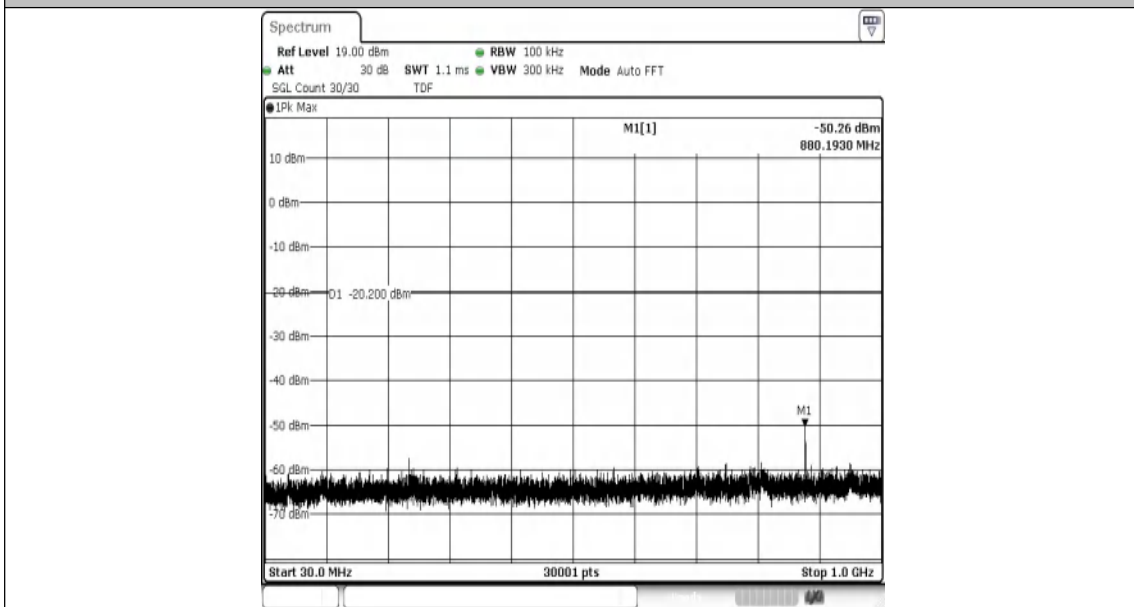
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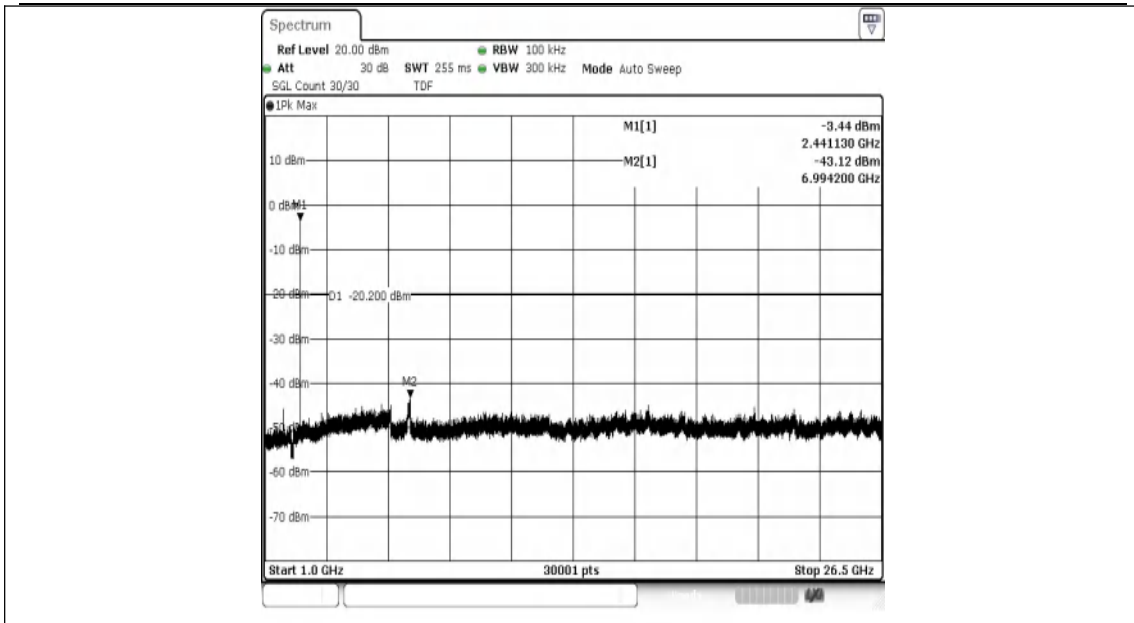
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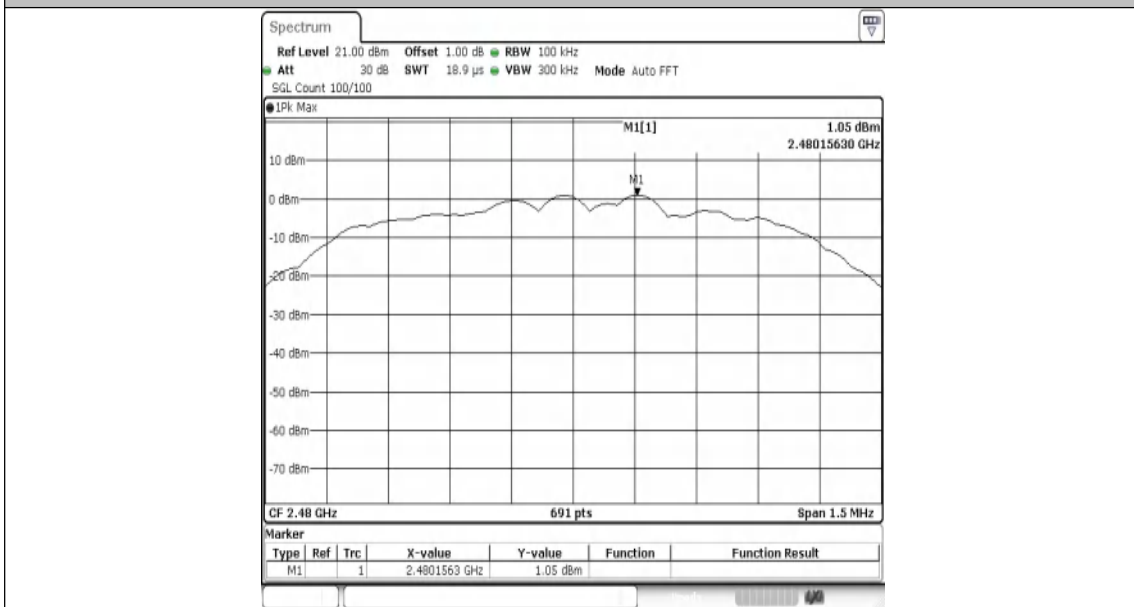
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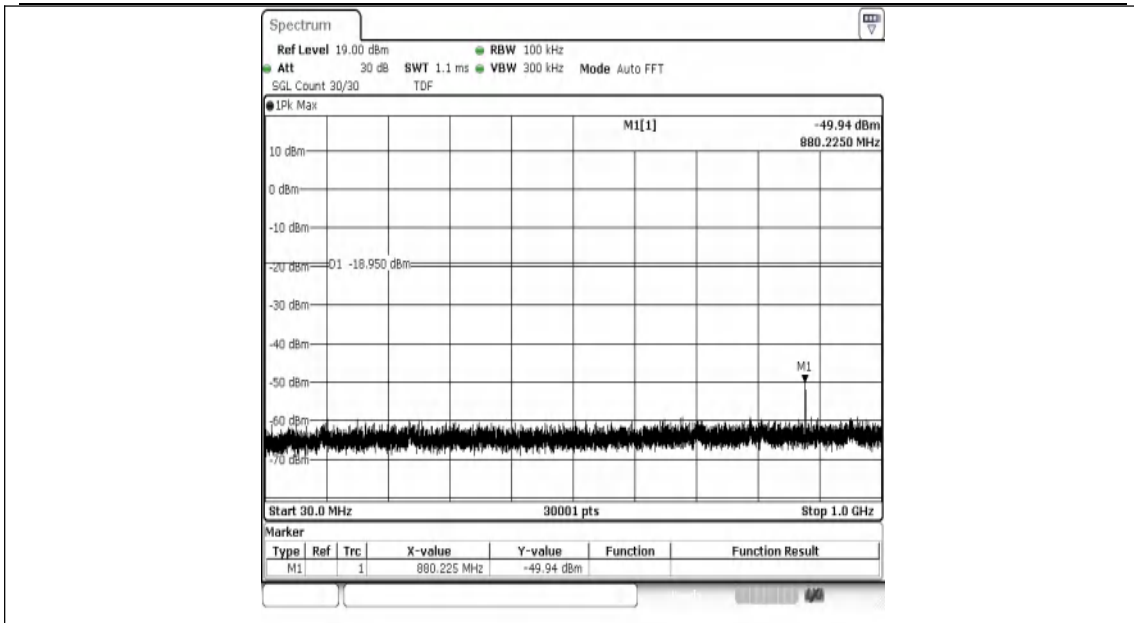
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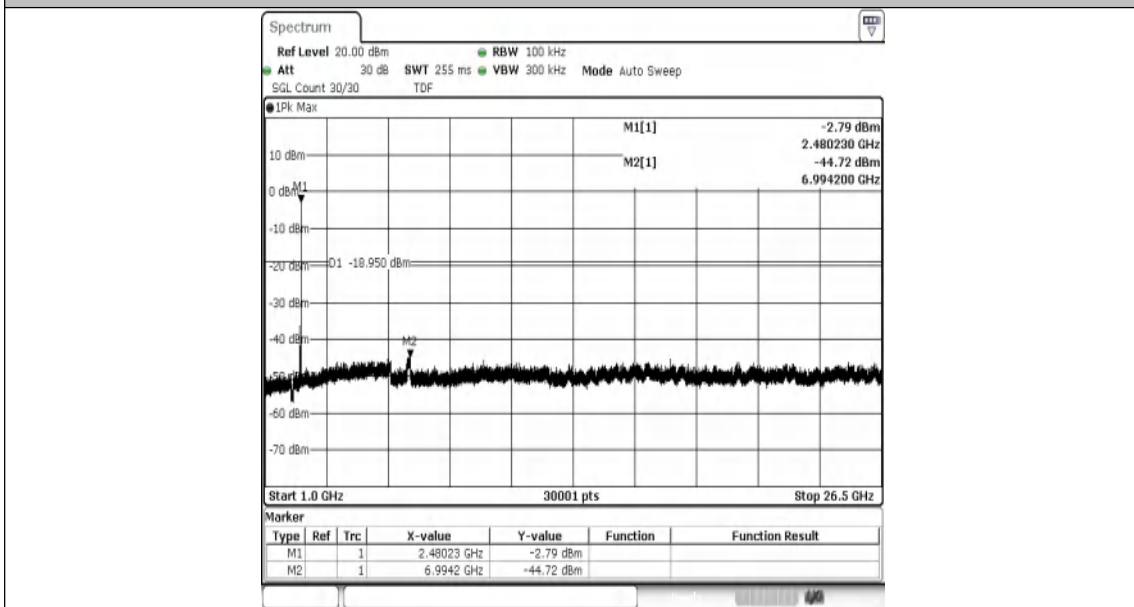
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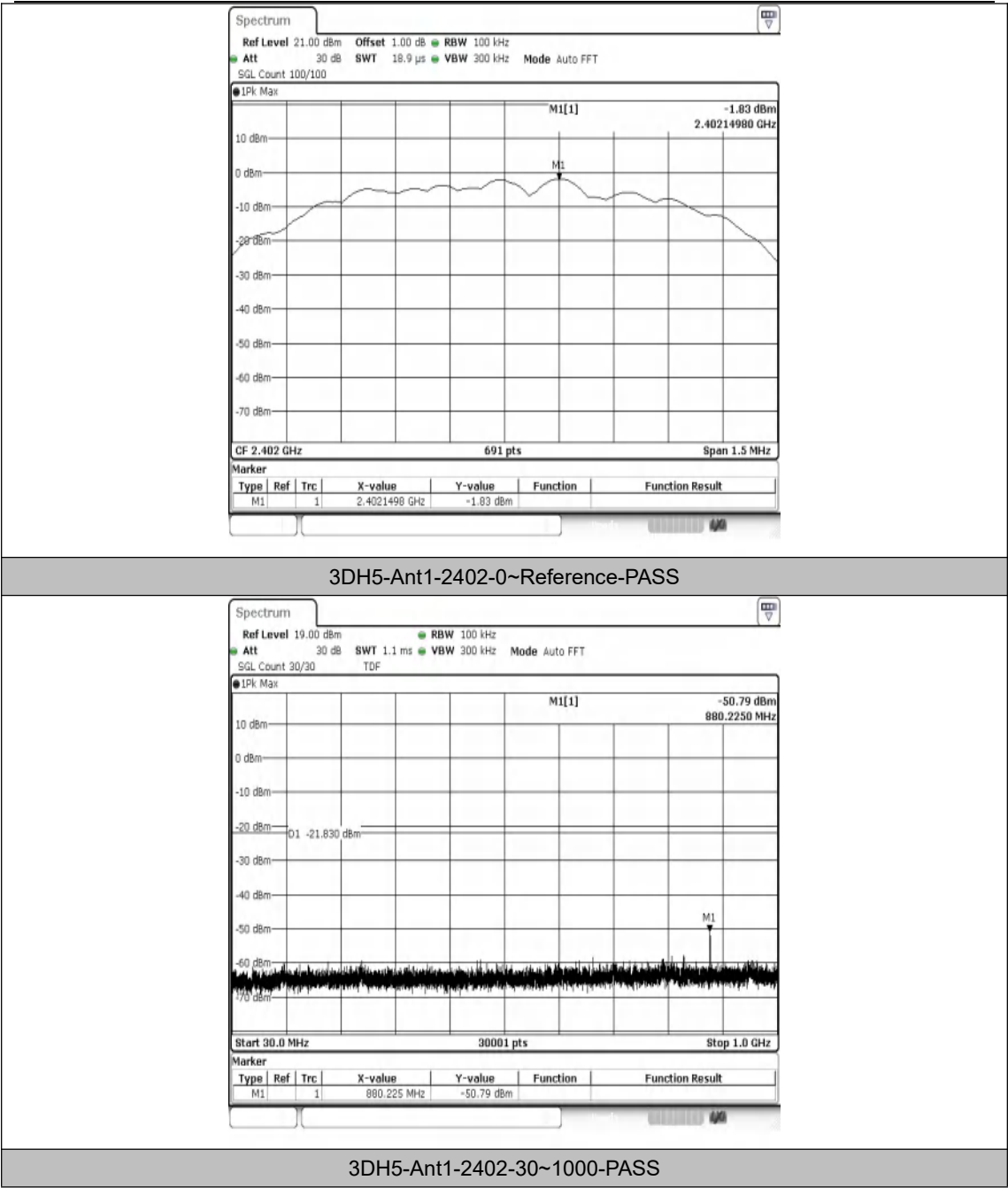
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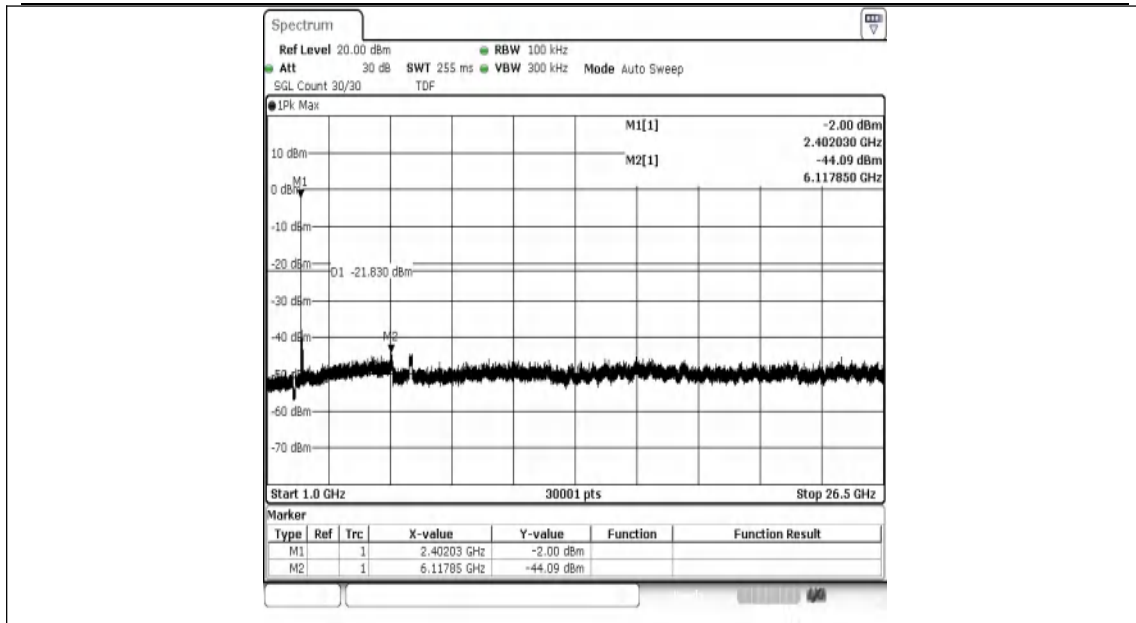


2DH5-Ant1-2480-30~1000-PASS

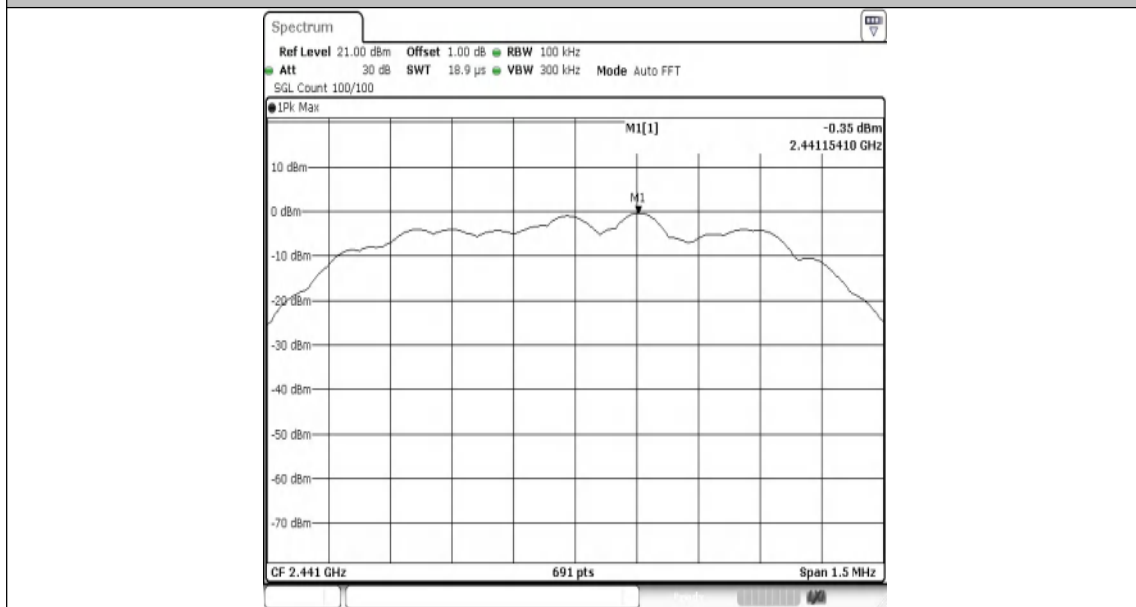


2DH5-Ant1-2480-1000~26500-PASS

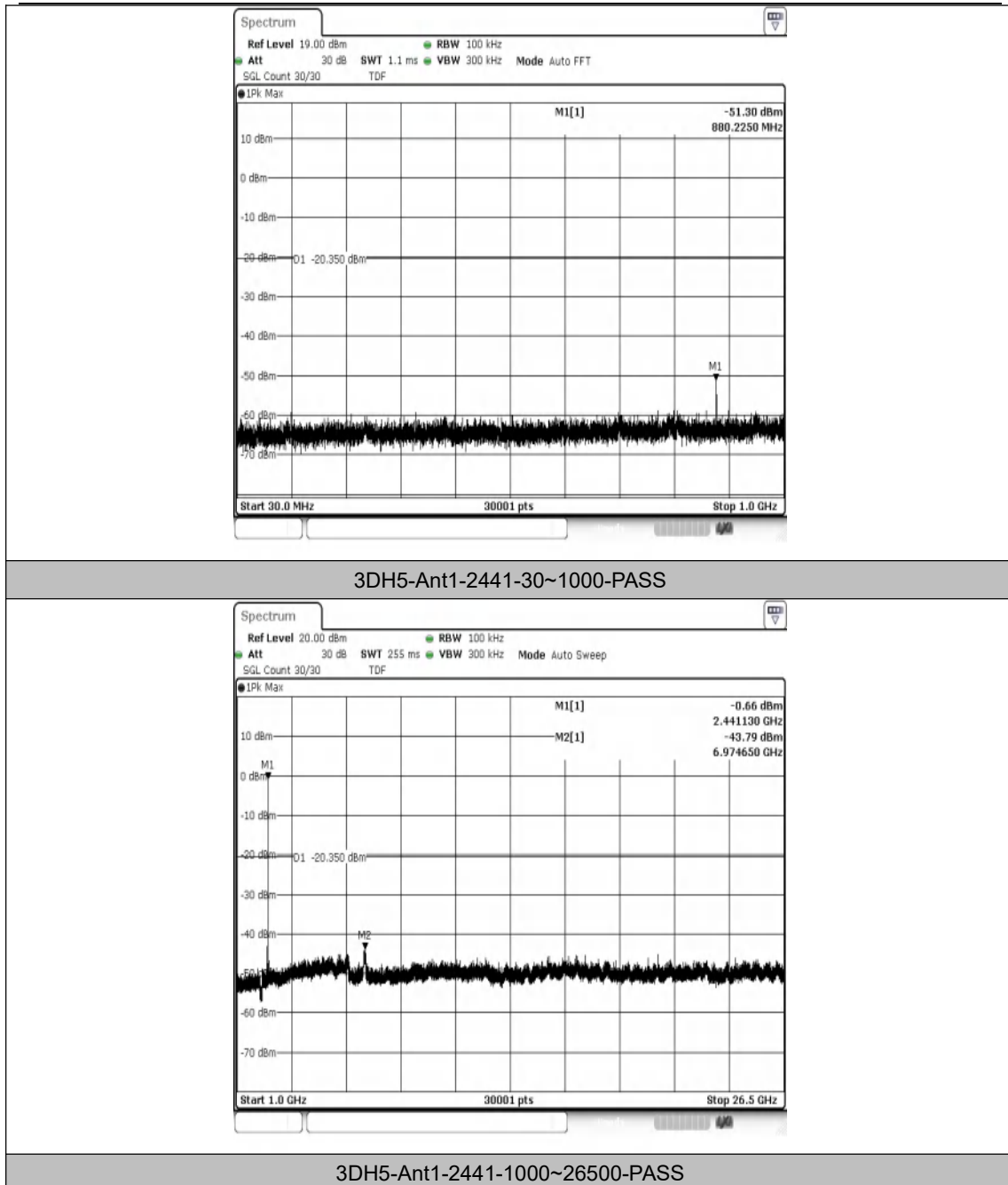


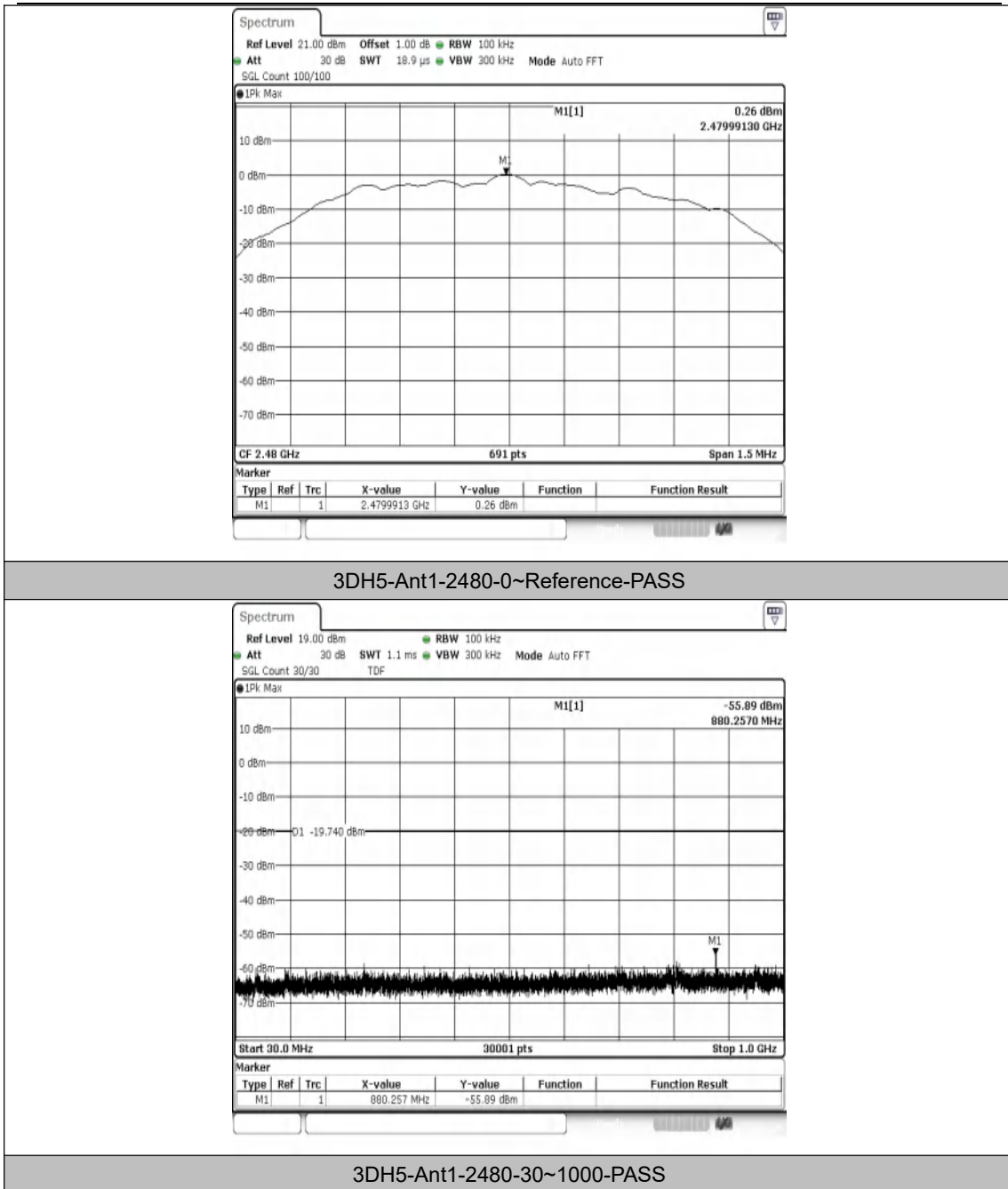


3DH5-Ant1-2402-1000~26500-PASS



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

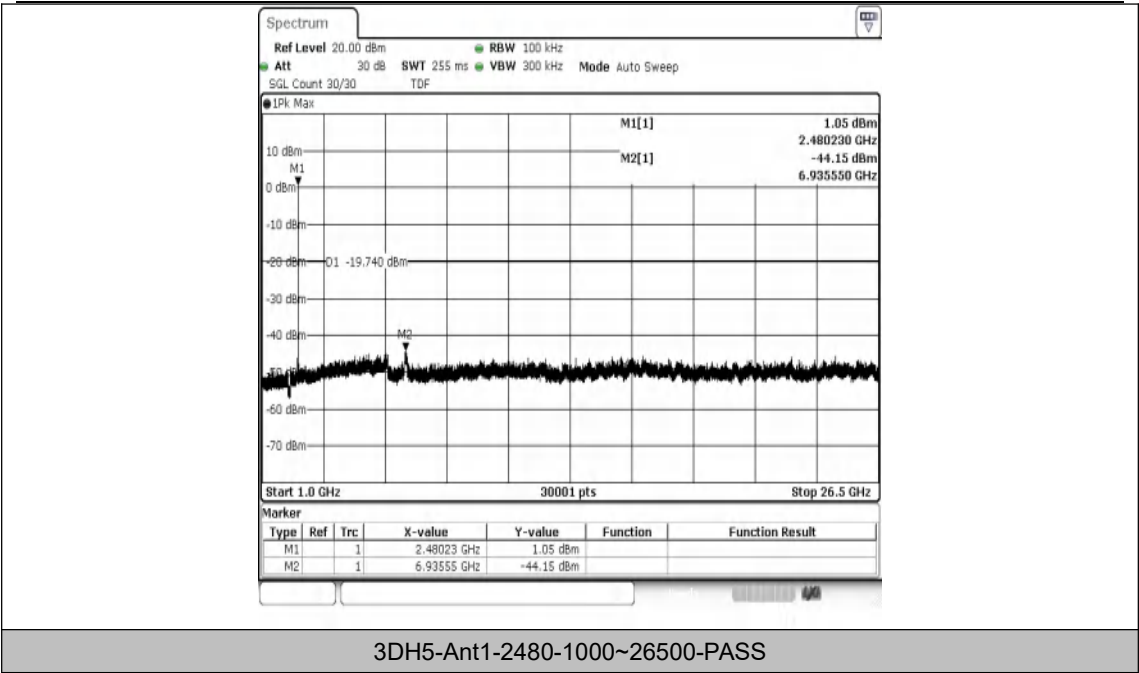




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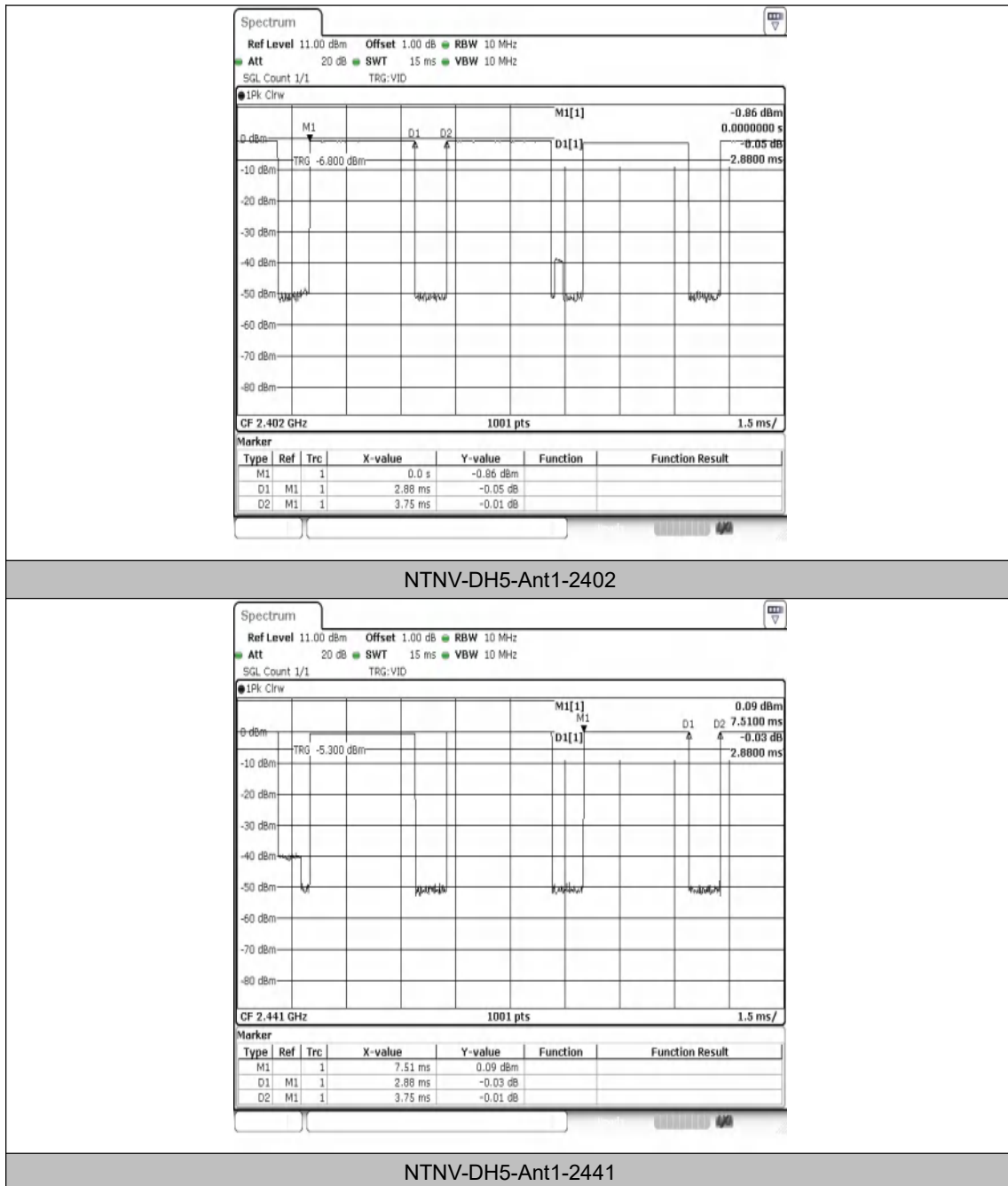
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.76	76.86	1.14
3DH5	Ant1	2480	2.89	3.76	76.86	1.14

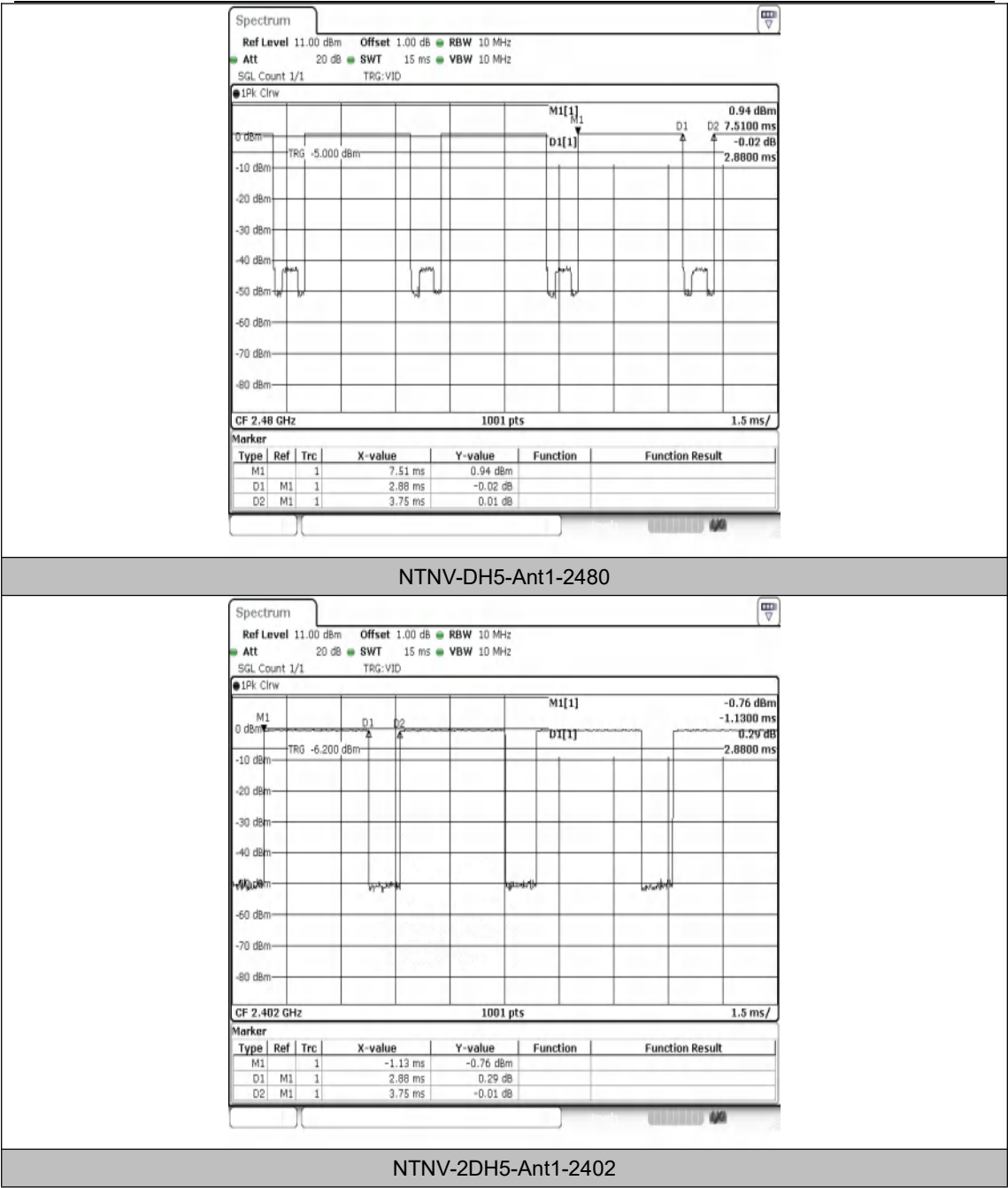
Test Graphs

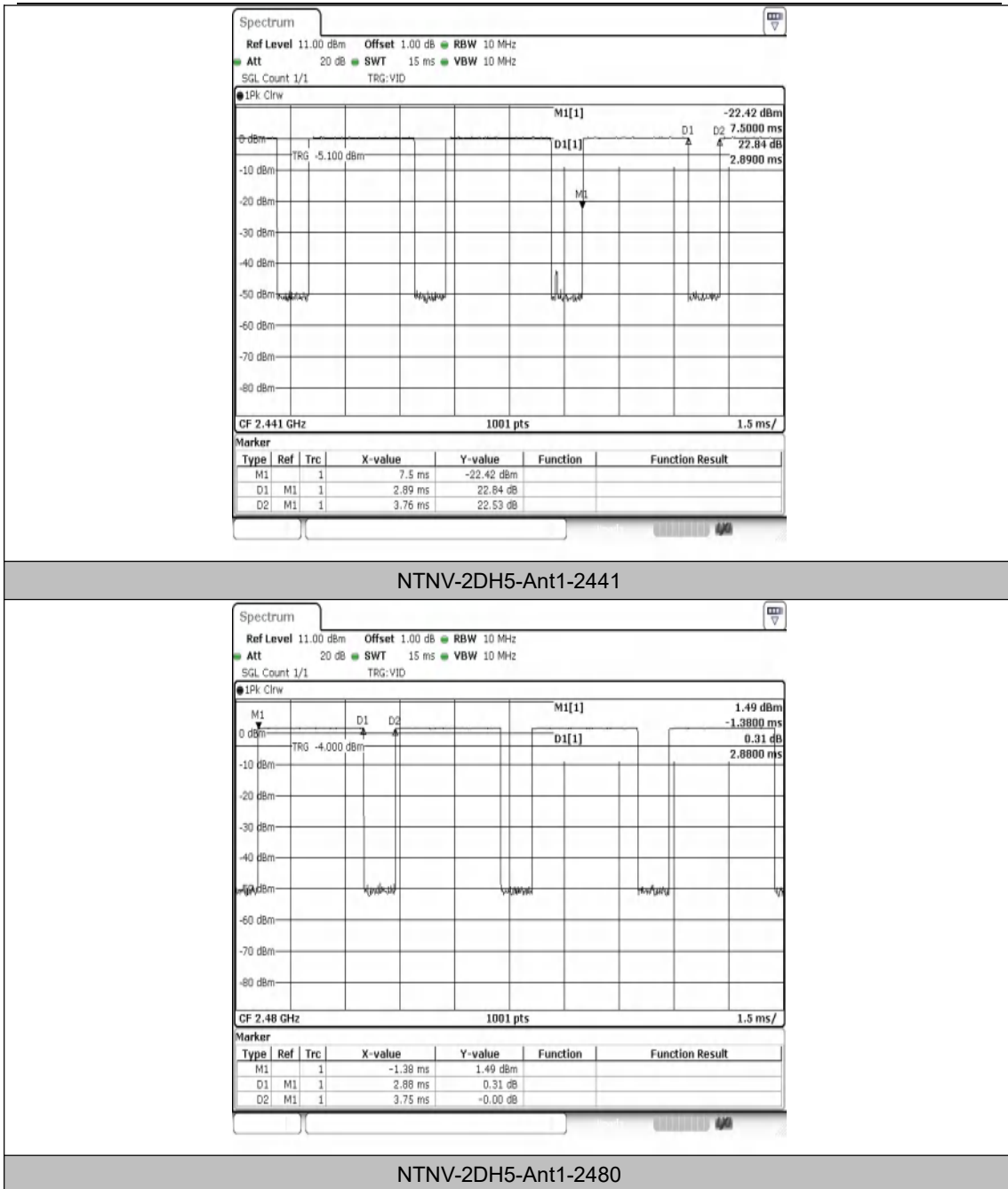


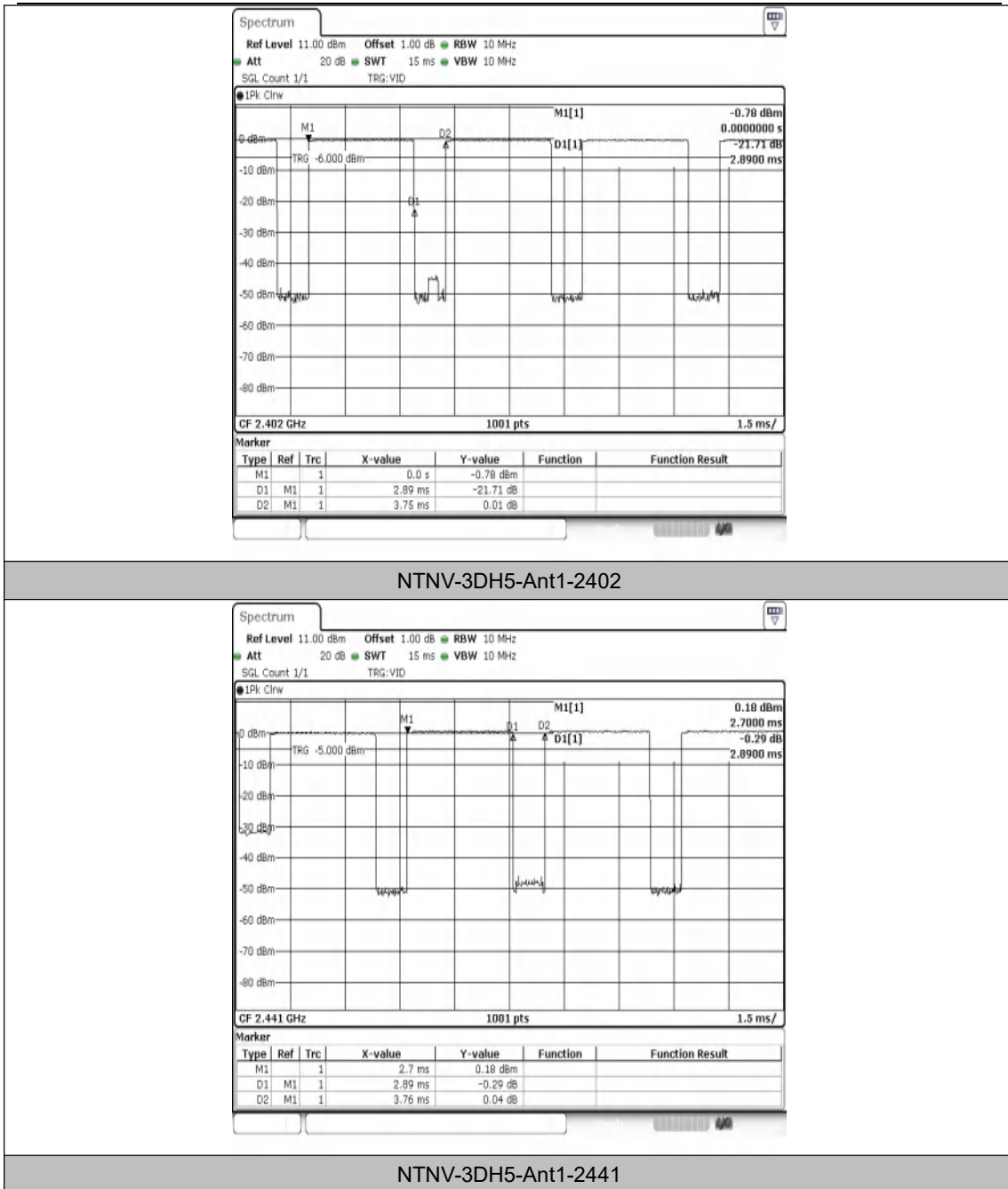
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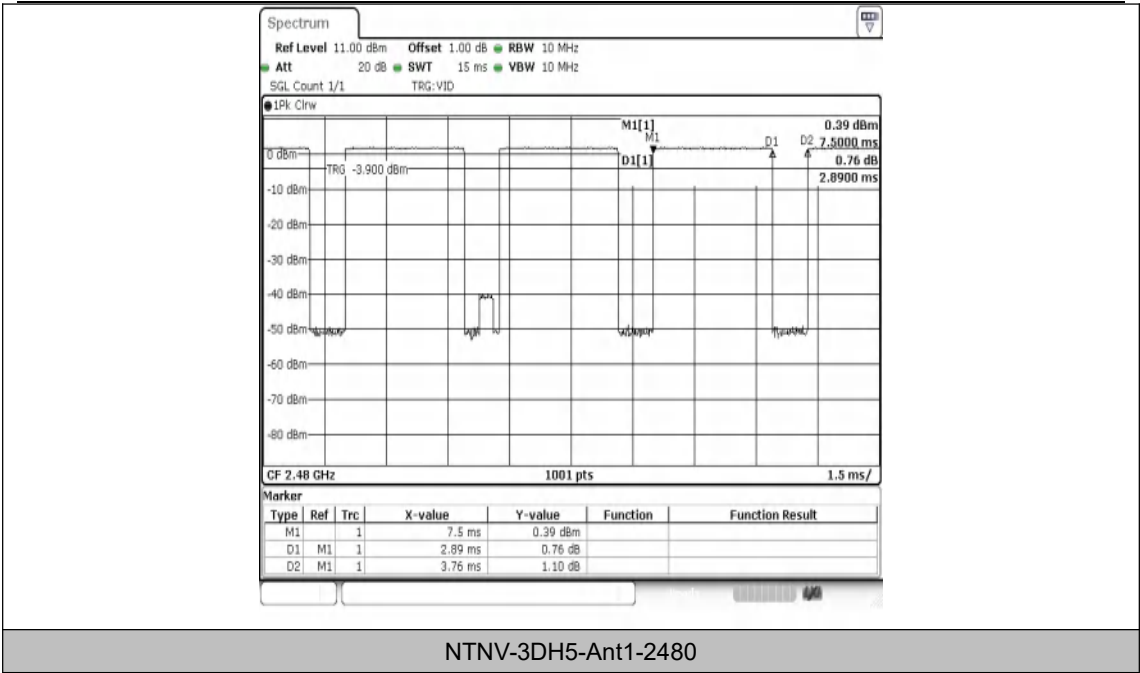
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