

Appendix Test Data

Report No:	1812C40119812501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.5	Finish Test Date:	2024.11.5
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	52%
Pressure:	101 kPa		

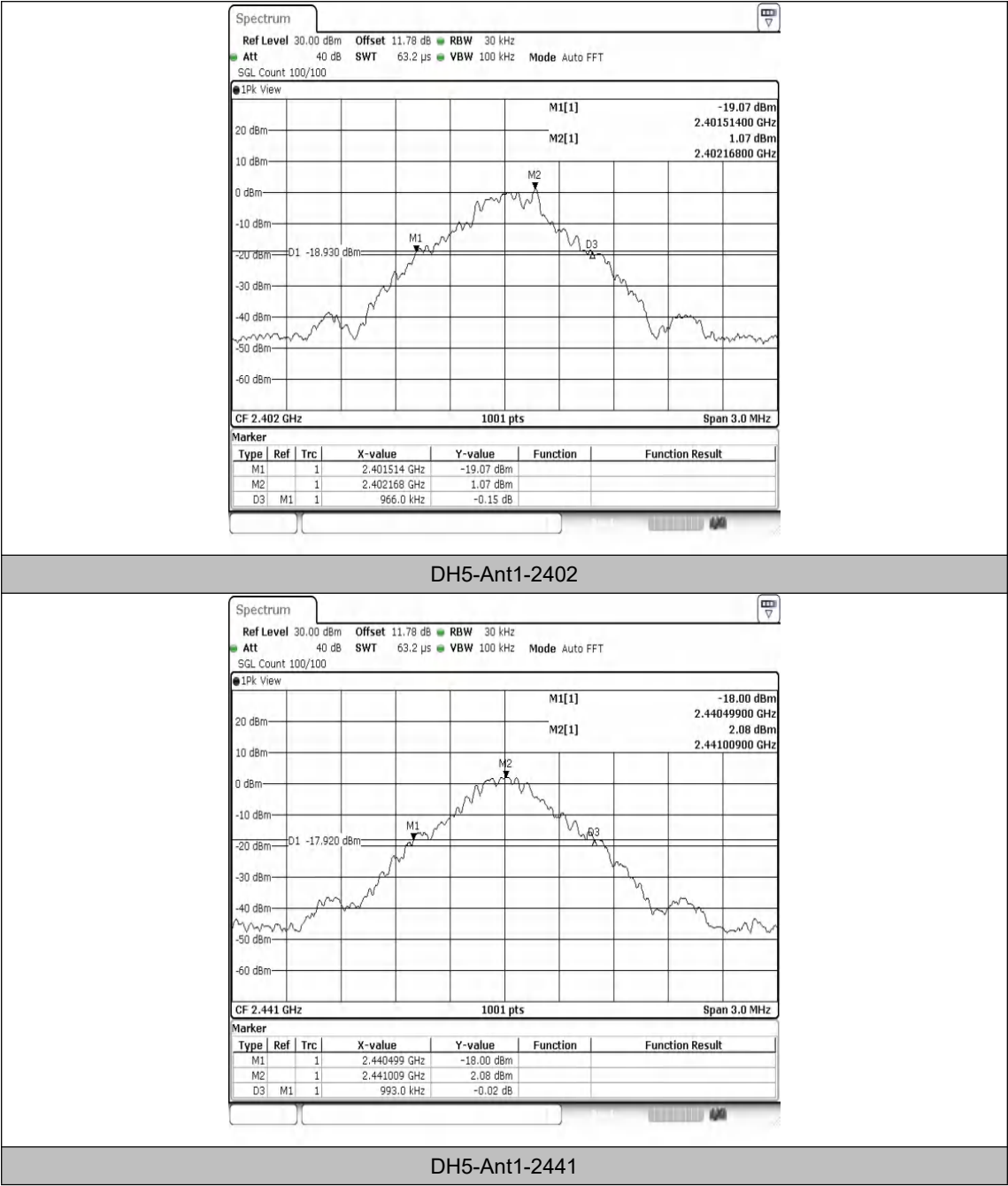
Appendix A: 20dB Emission Bandwidth

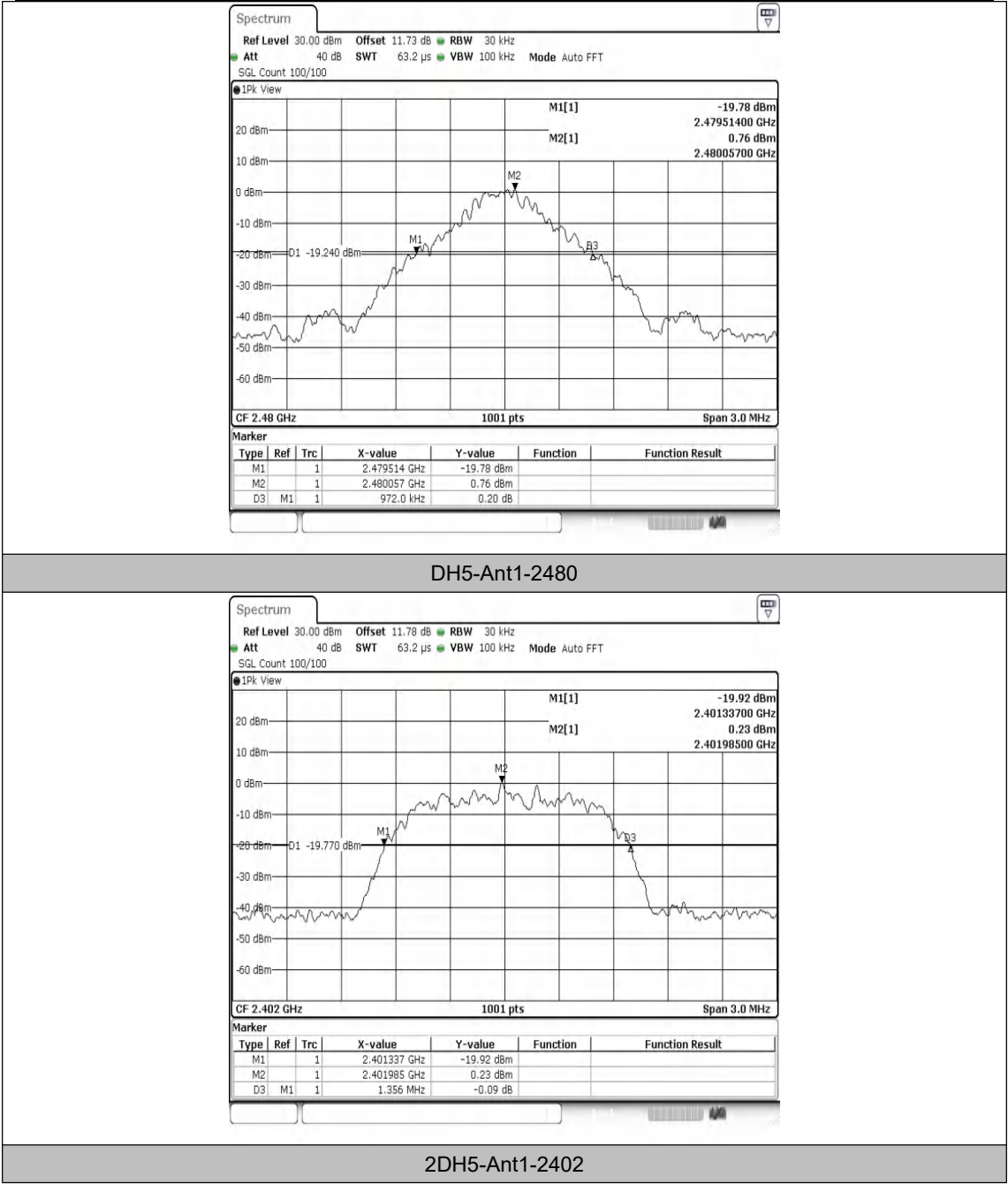
Test Result

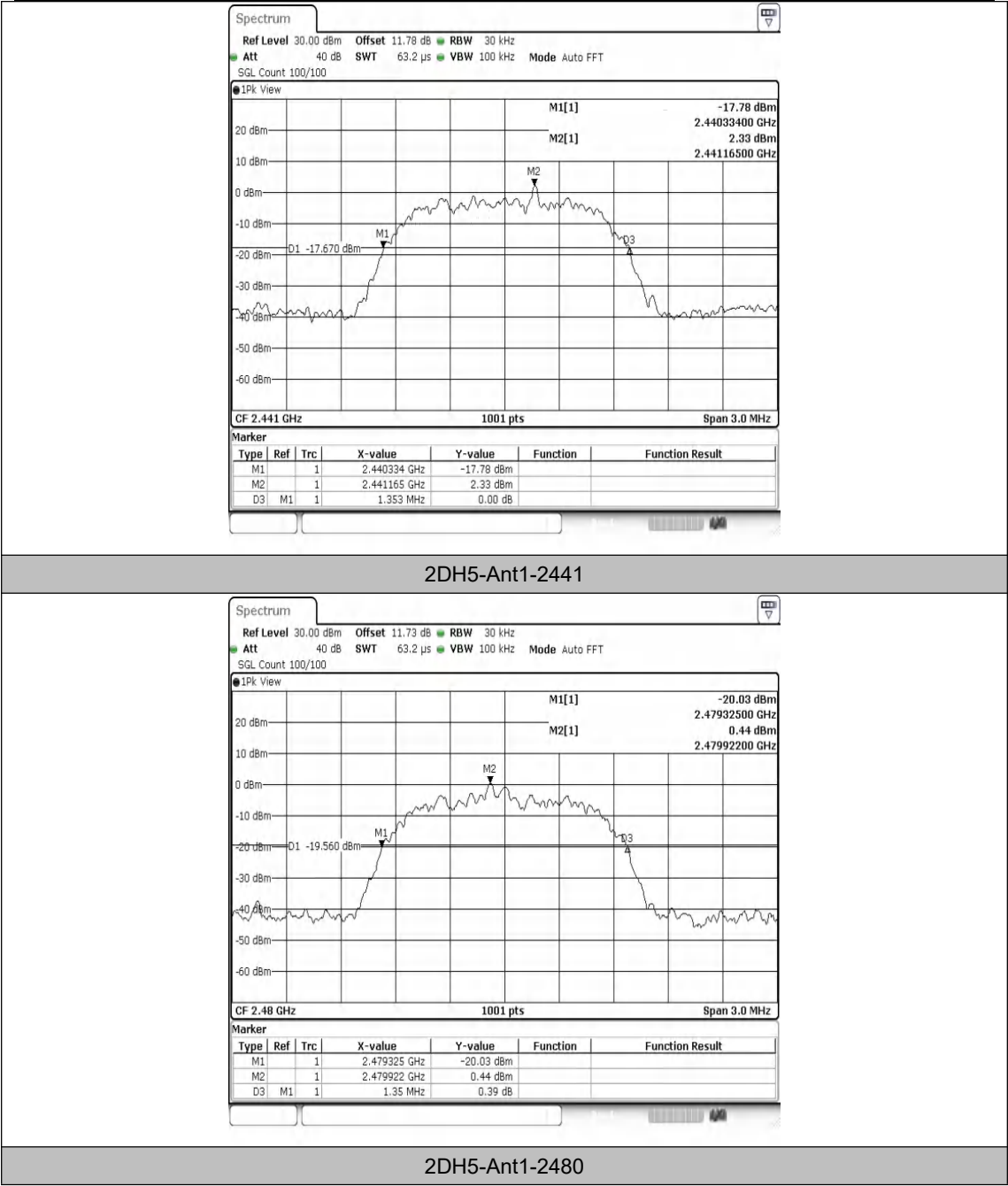
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.97	2401.51	2402.48	---	---
DH5	Ant1	2441	0.99	2440.50	2441.49	---	---
DH5	Ant1	2480	0.97	2479.51	2480.49	---	---
2DH5	Ant1	2402	1.36	2401.34	2402.69	---	---
2DH5	Ant1	2441	1.35	2440.33	2441.69	---	---
2DH5	Ant1	2480	1.35	2479.33	2480.68	---	---
3DH5	Ant1	2402	1.32	2401.35	2402.67	---	---
3DH5	Ant1	2441	1.32	2440.34	2441.66	---	---
3DH5	Ant1	2480	1.33	2479.33	2480.66	---	---

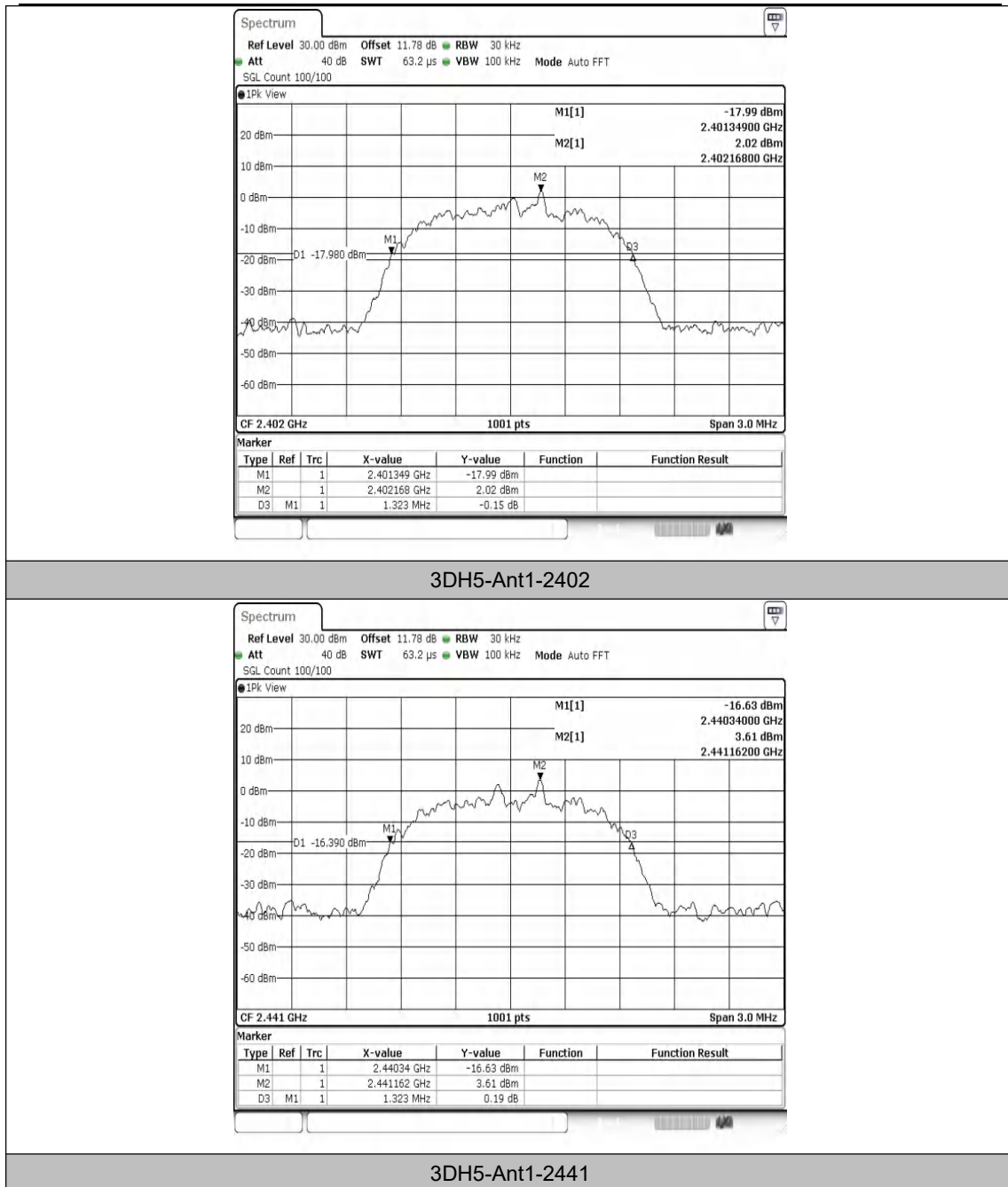


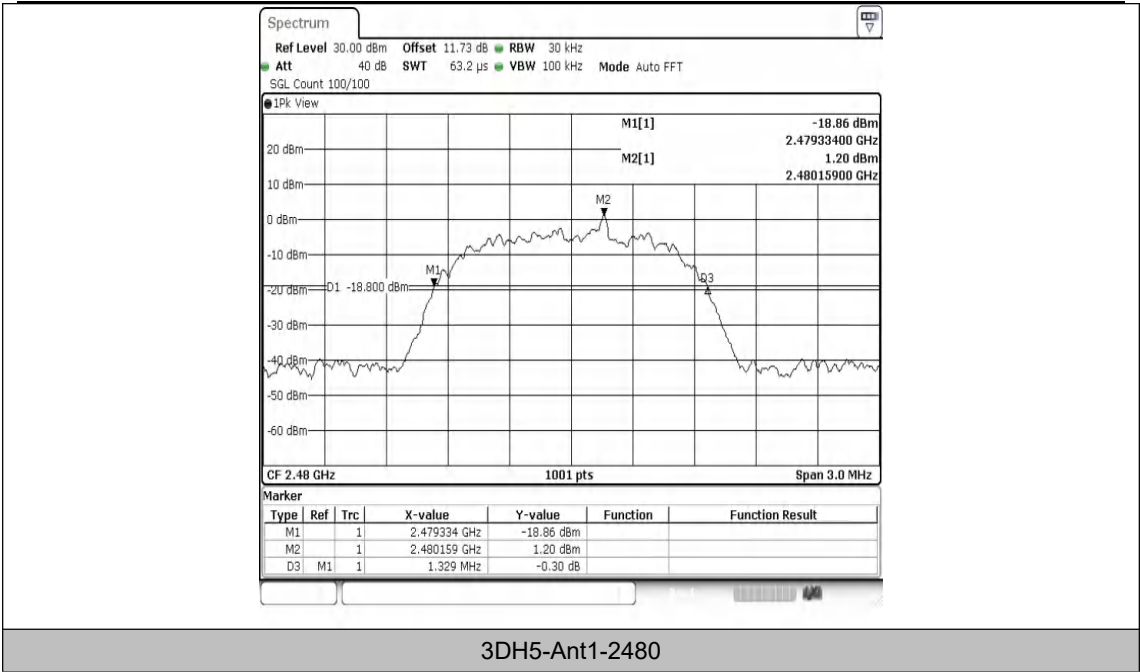
Test Graphs











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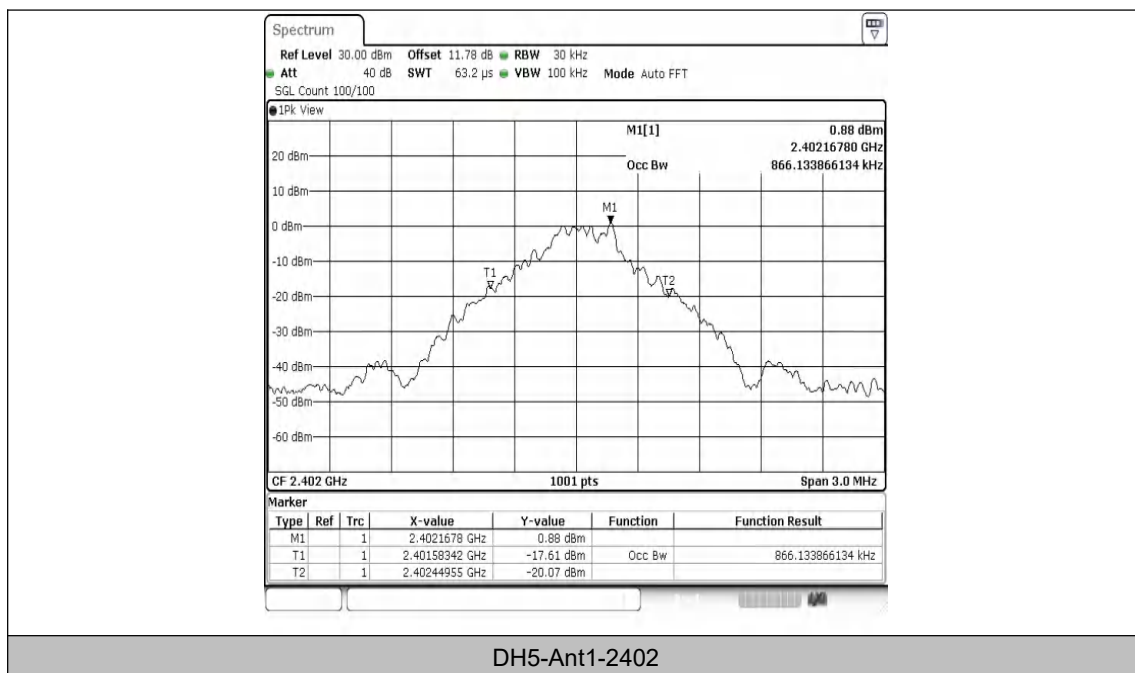


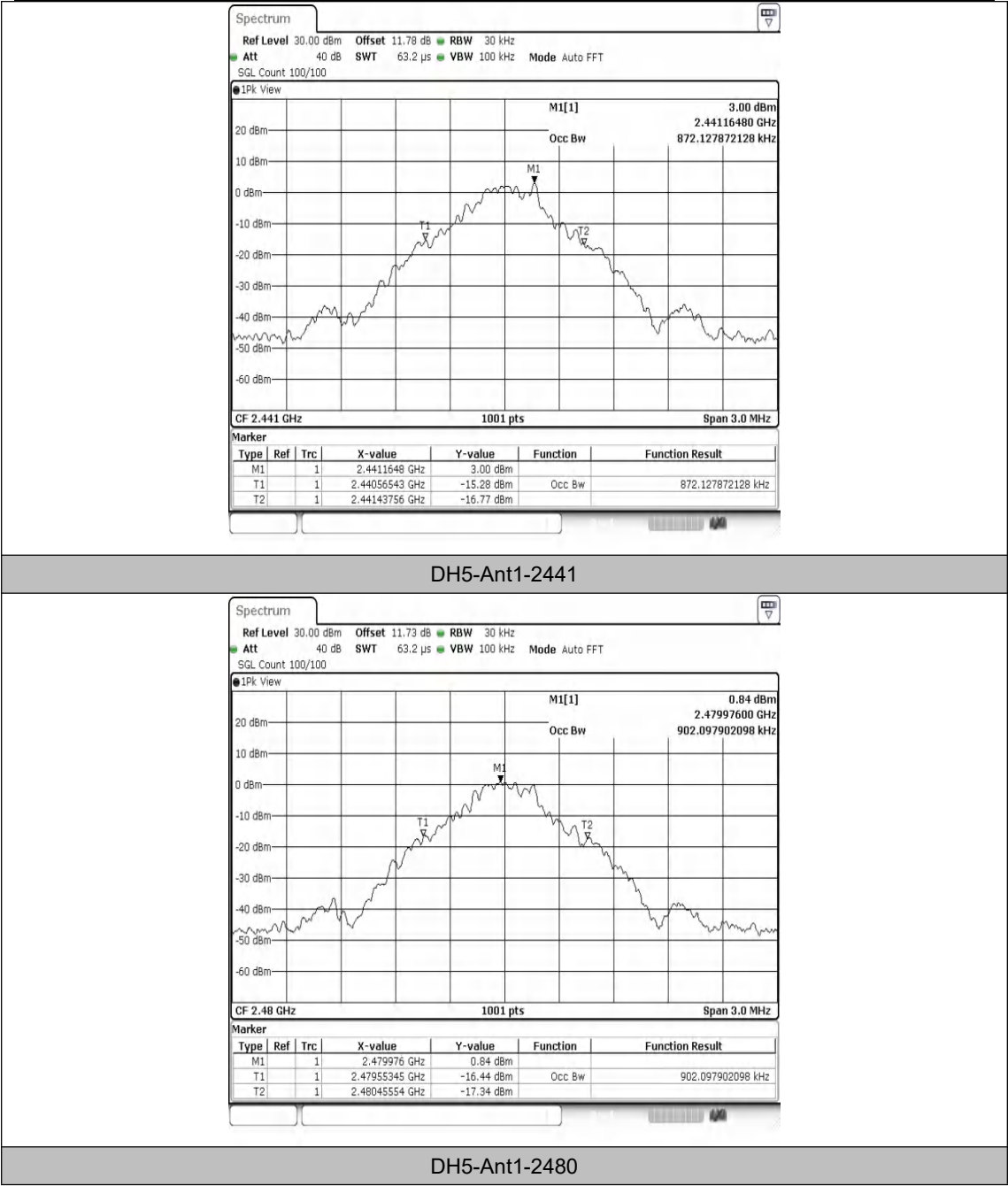
Appendix B: Occupied Channel Bandwidth

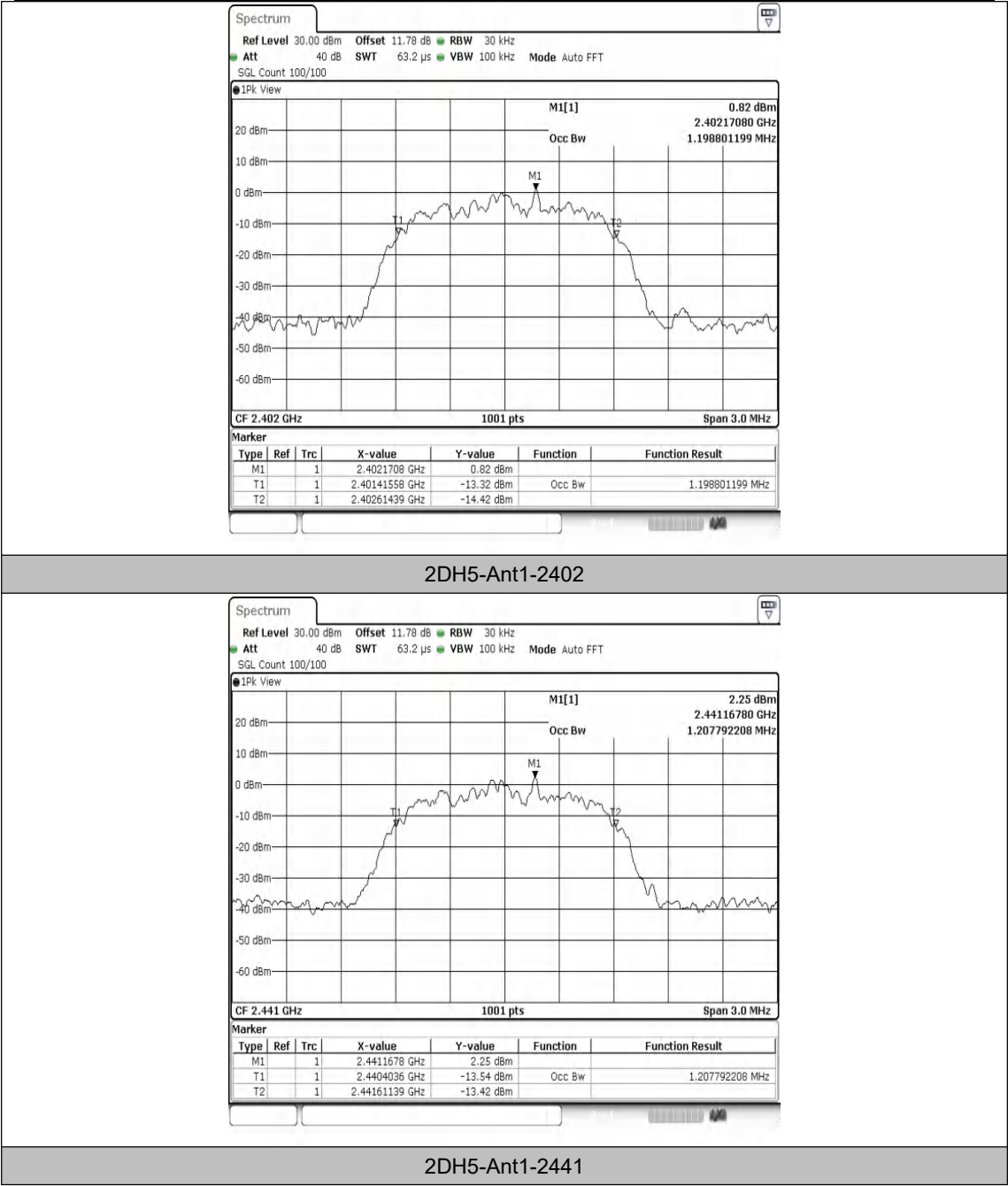
Test Result

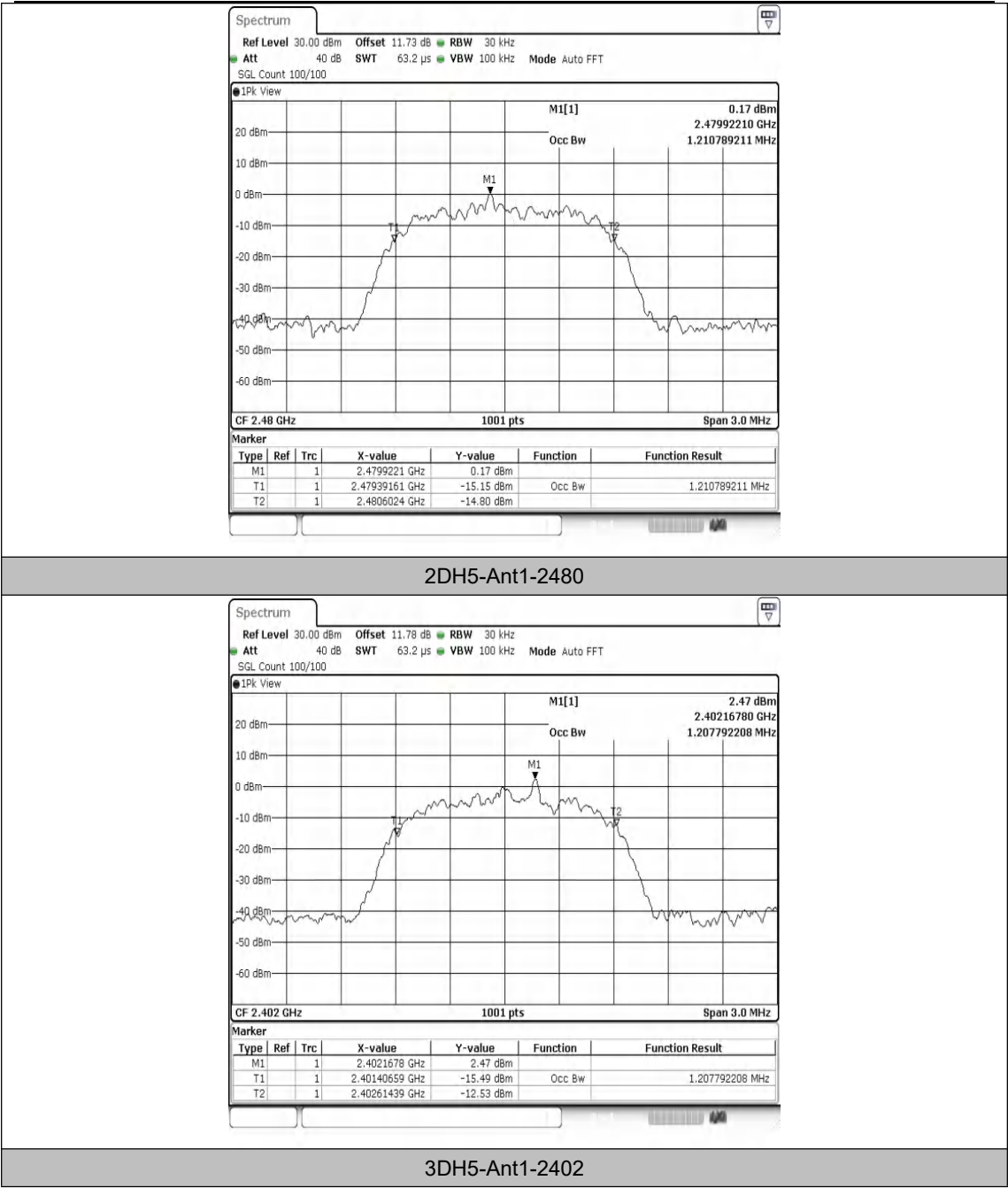
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.866	2401.5834	2402.4496	---	---
DH5	Ant1	2441	0.872	2440.5654	2441.4376	---	---
DH5	Ant1	2480	0.902	2479.5534	2480.4555	---	---
2DH5	Ant1	2402	1.199	2401.4156	2402.6144	---	---
2DH5	Ant1	2441	1.208	2440.4036	2441.6114	---	---
2DH5	Ant1	2480	1.211	2479.3916	2480.6024	---	---
3DH5	Ant1	2402	1.208	2401.4066	2402.6144	---	---
3DH5	Ant1	2441	1.214	2440.3916	2441.6054	---	---
3DH5	Ant1	2480	1.208	2479.3916	2480.5994	---	---

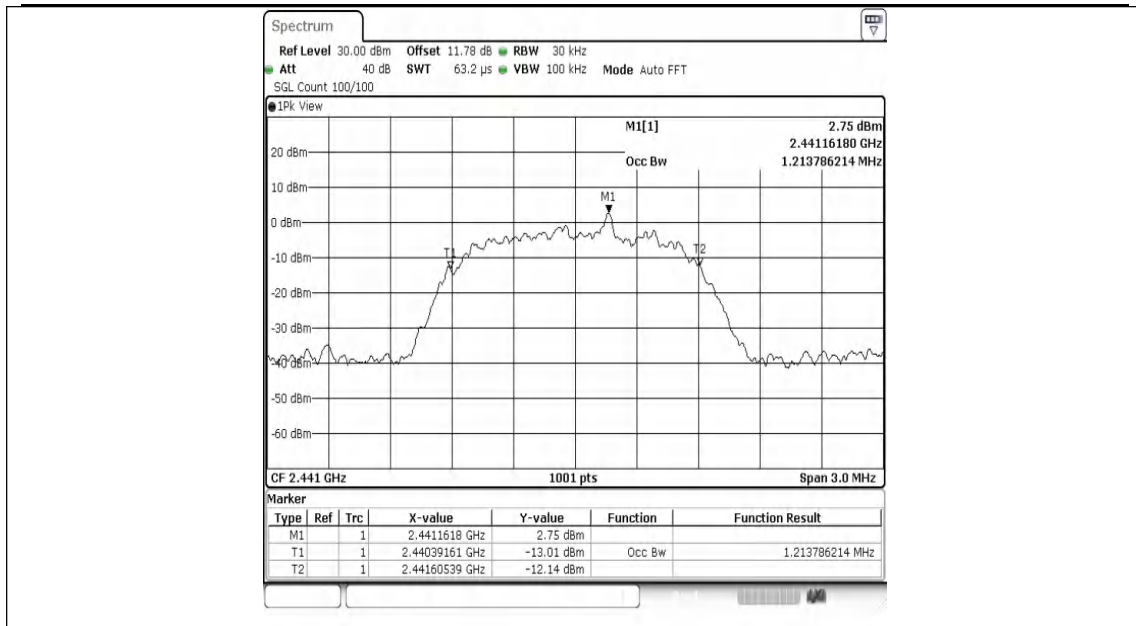
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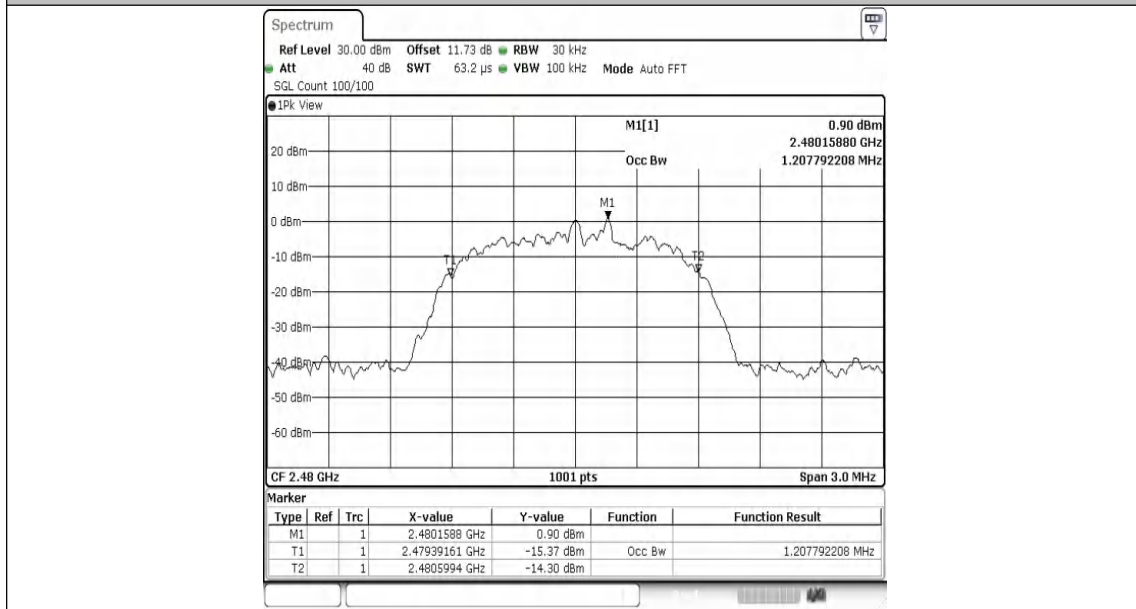








3DH5-Ant1-2441



3DH5-Ant1-2480

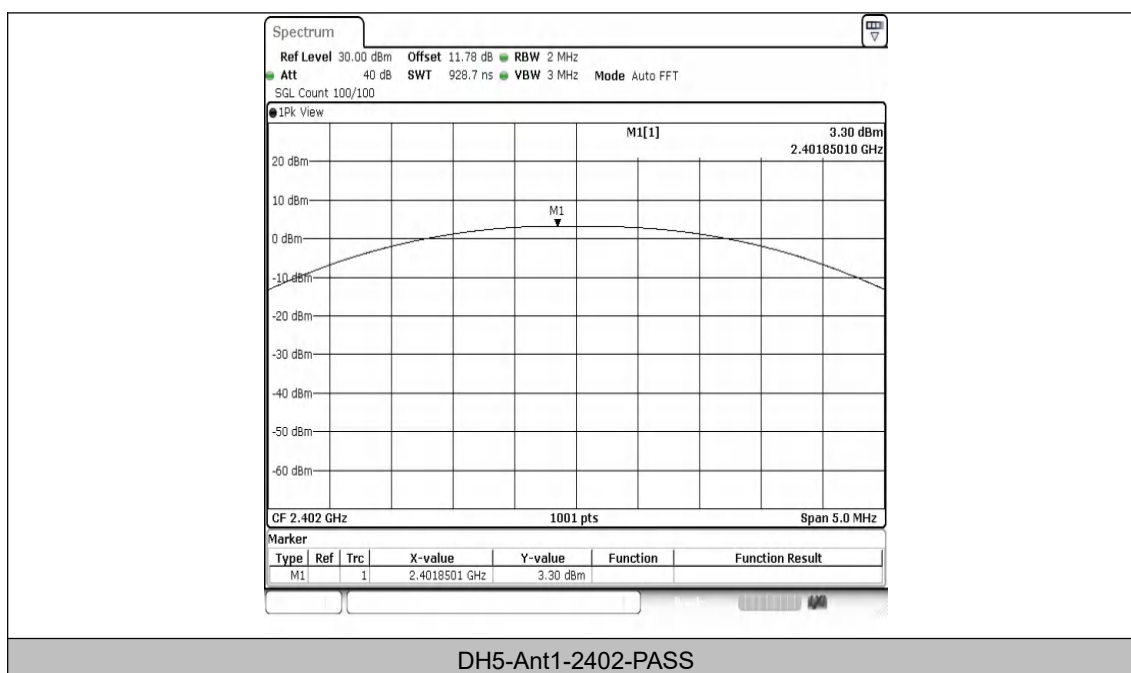


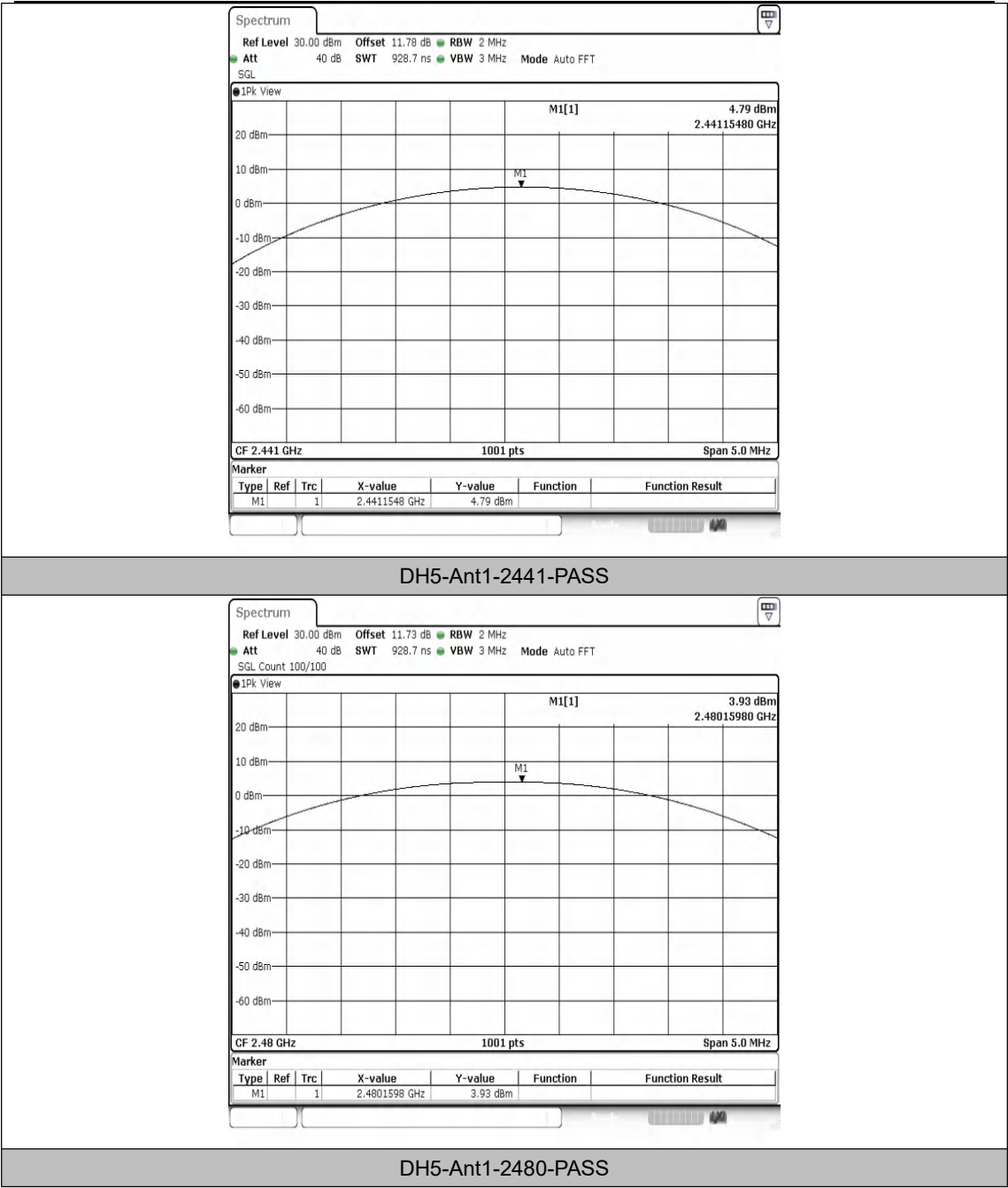
Appendix C: Maximum conducted output power

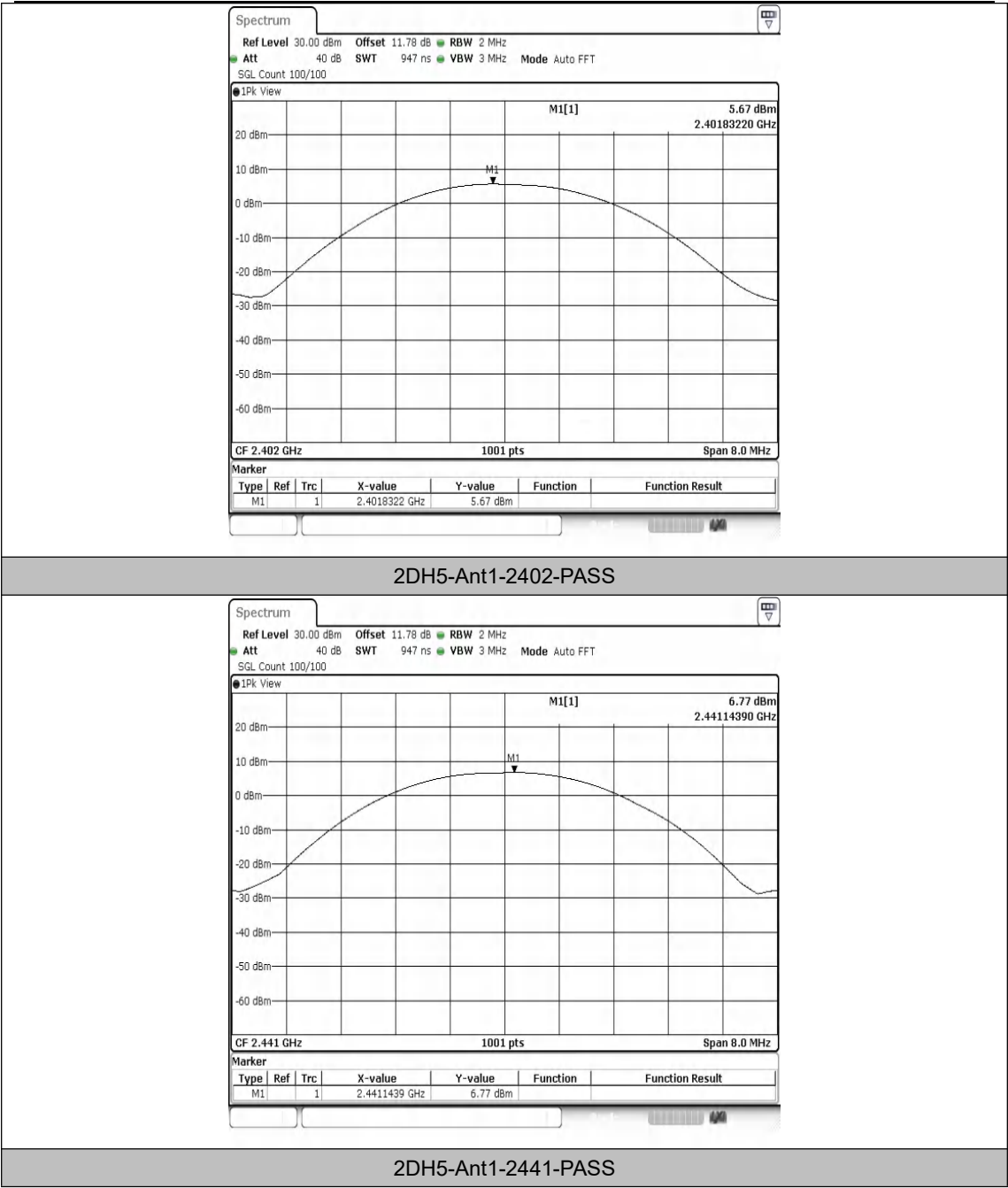
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.30	≤20.97	PASS
DH5	Ant1	2441	4.79	≤20.97	PASS
DH5	Ant1	2480	3.93	≤20.97	PASS
2DH5	Ant1	2402	5.67	≤20.97	PASS
2DH5	Ant1	2441	6.77	≤20.97	PASS
2DH5	Ant1	2480	5.51	≤20.97	PASS
3DH5	Ant1	2402	6.12	≤20.97	PASS
3DH5	Ant1	2441	6.91	≤20.97	PASS
3DH5	Ant1	2480	5.76	≤20.97	PASS

Test Graphs





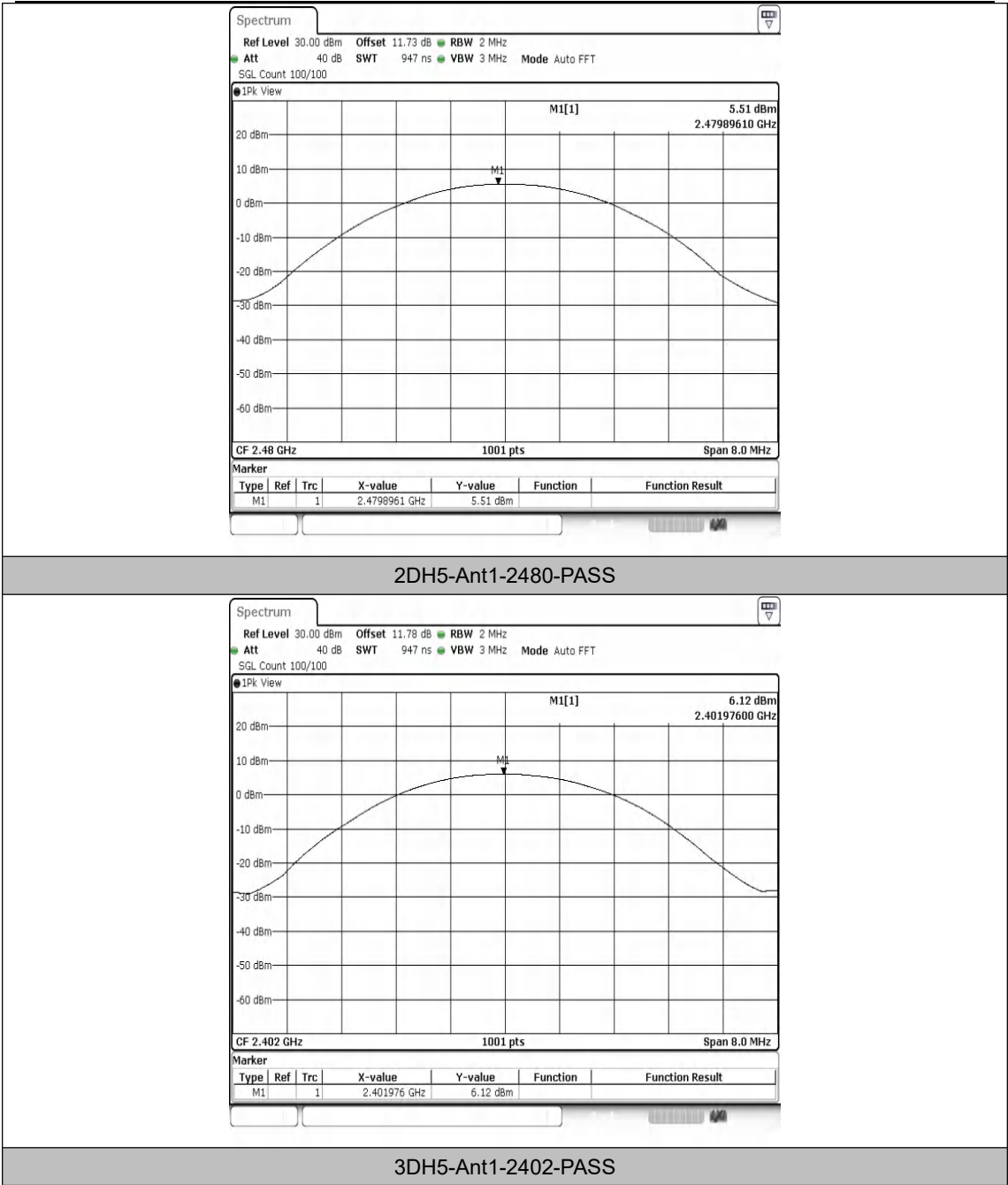


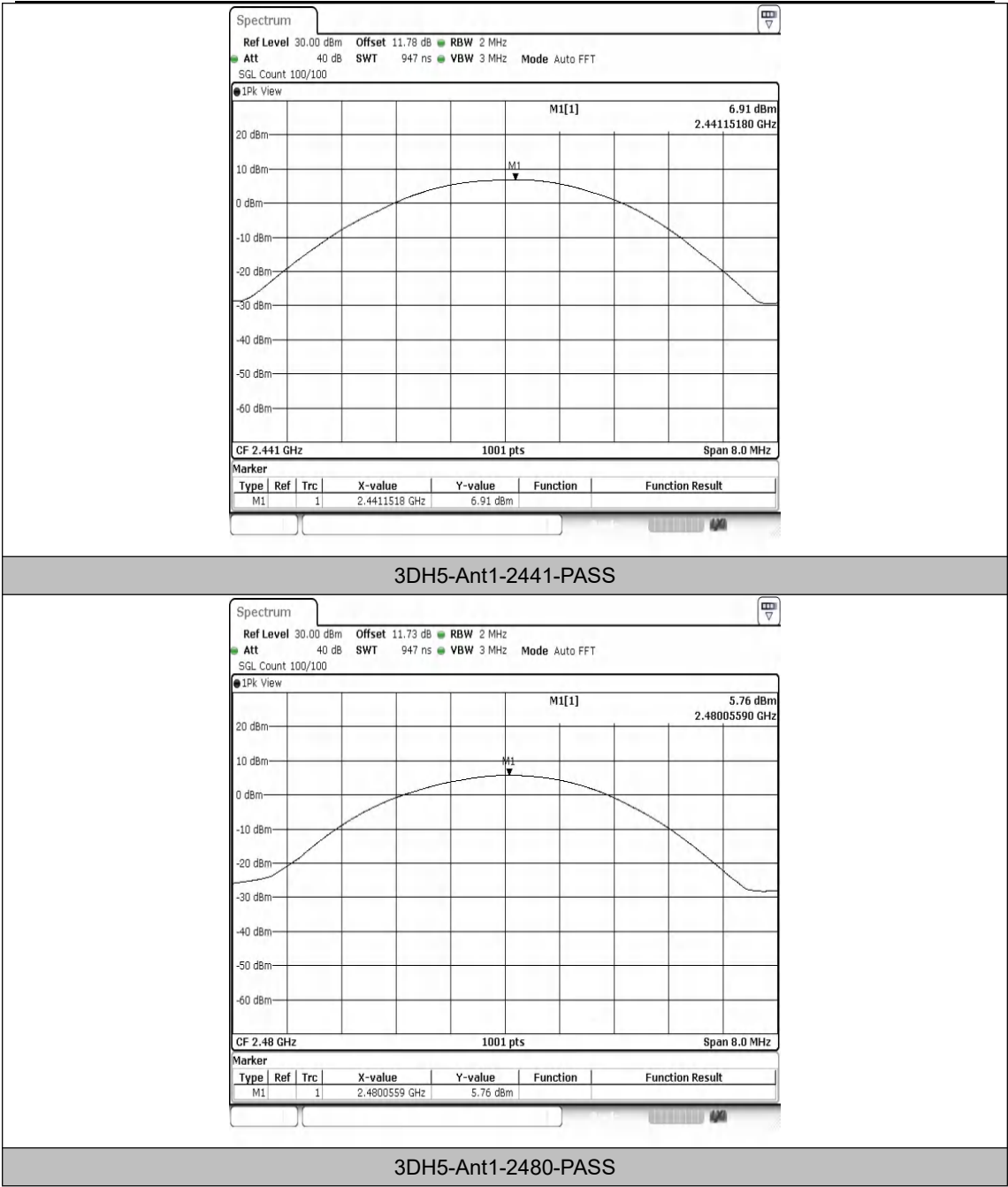
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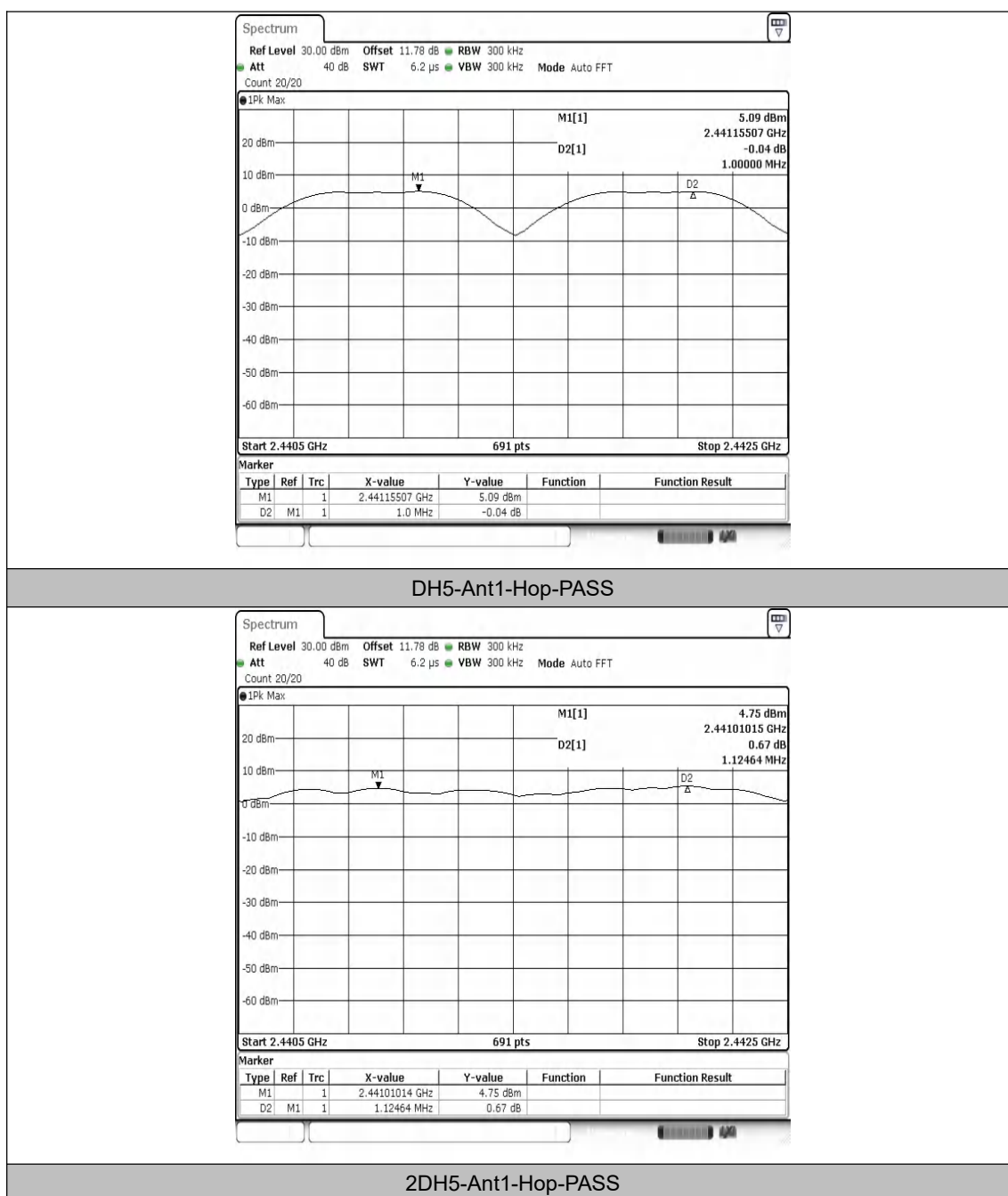


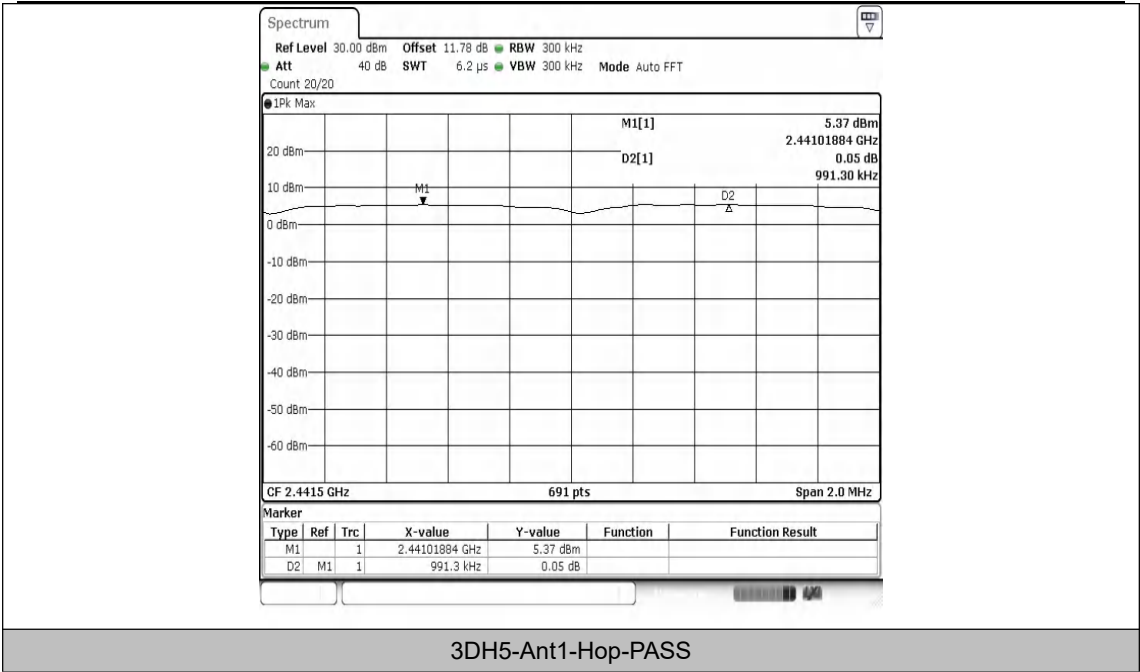
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.660	PASS
2DH5	Ant1	Hop	1.125	≥0.907	PASS
3DH5	Ant1	Hop	0.991	≥0.887	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	0.380	315	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.636	169	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.885	109	0.314	≤0.4	PASS
2DH1	Ant1	Hop	0.386	315	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.640	166	0.272	≤0.4	PASS
2DH5	Ant1	Hop	2.887	108	0.312	≤0.4	PASS
3DH1	Ant1	Hop	0.388	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.639	164	0.269	≤0.4	PASS
3DH5	Ant1	Hop	2.889	100	0.289	≤0.4	PASS

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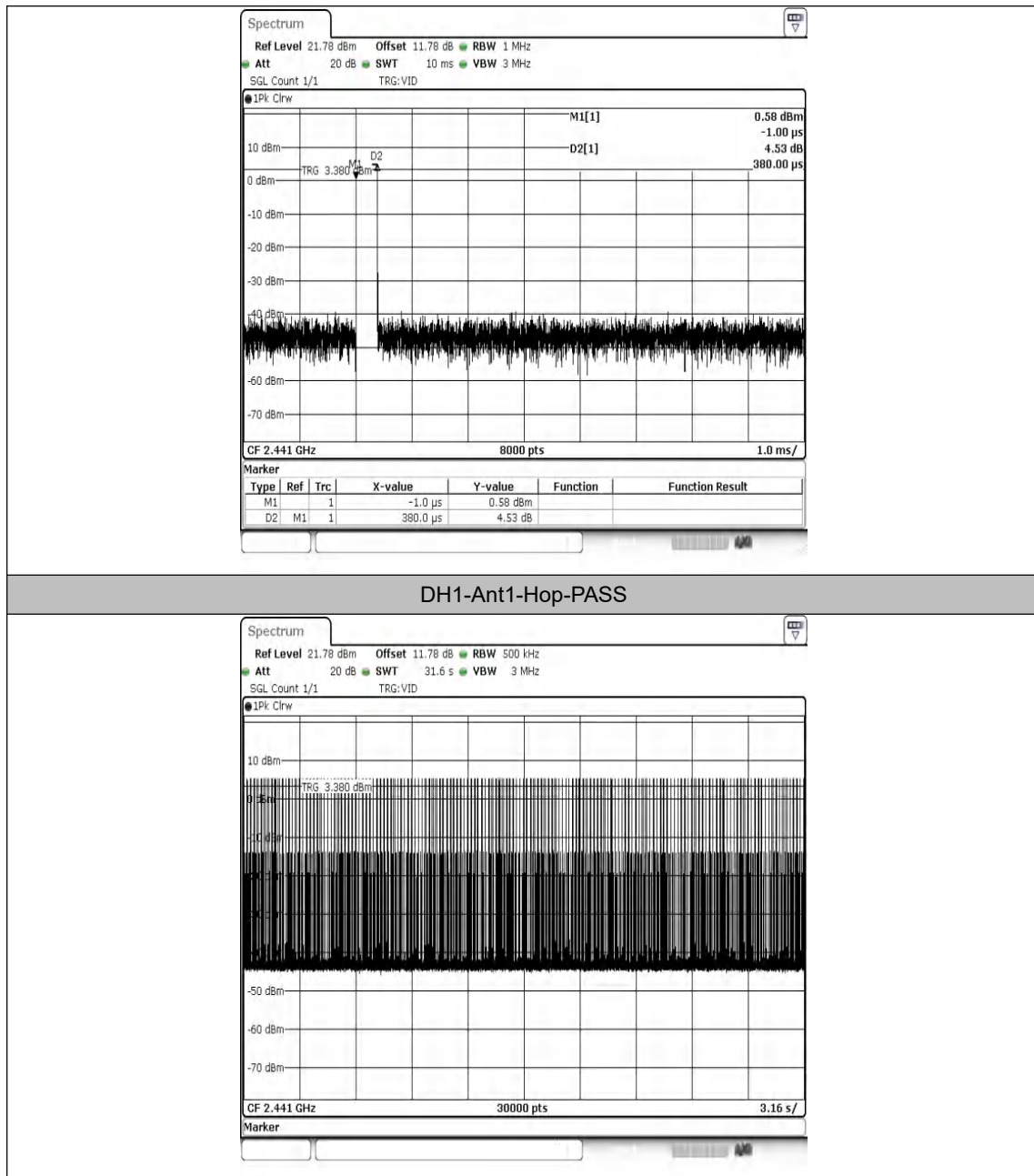
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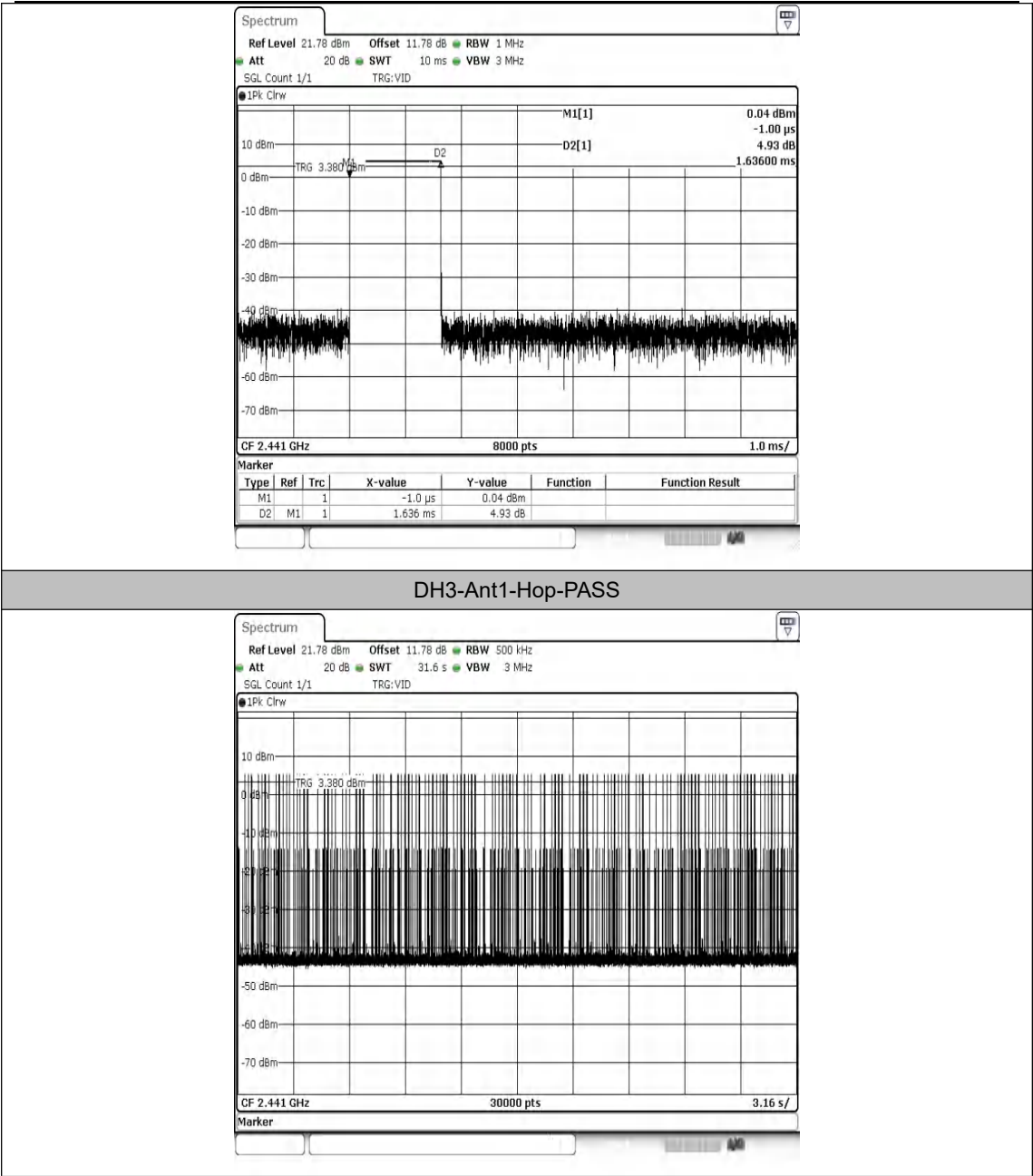


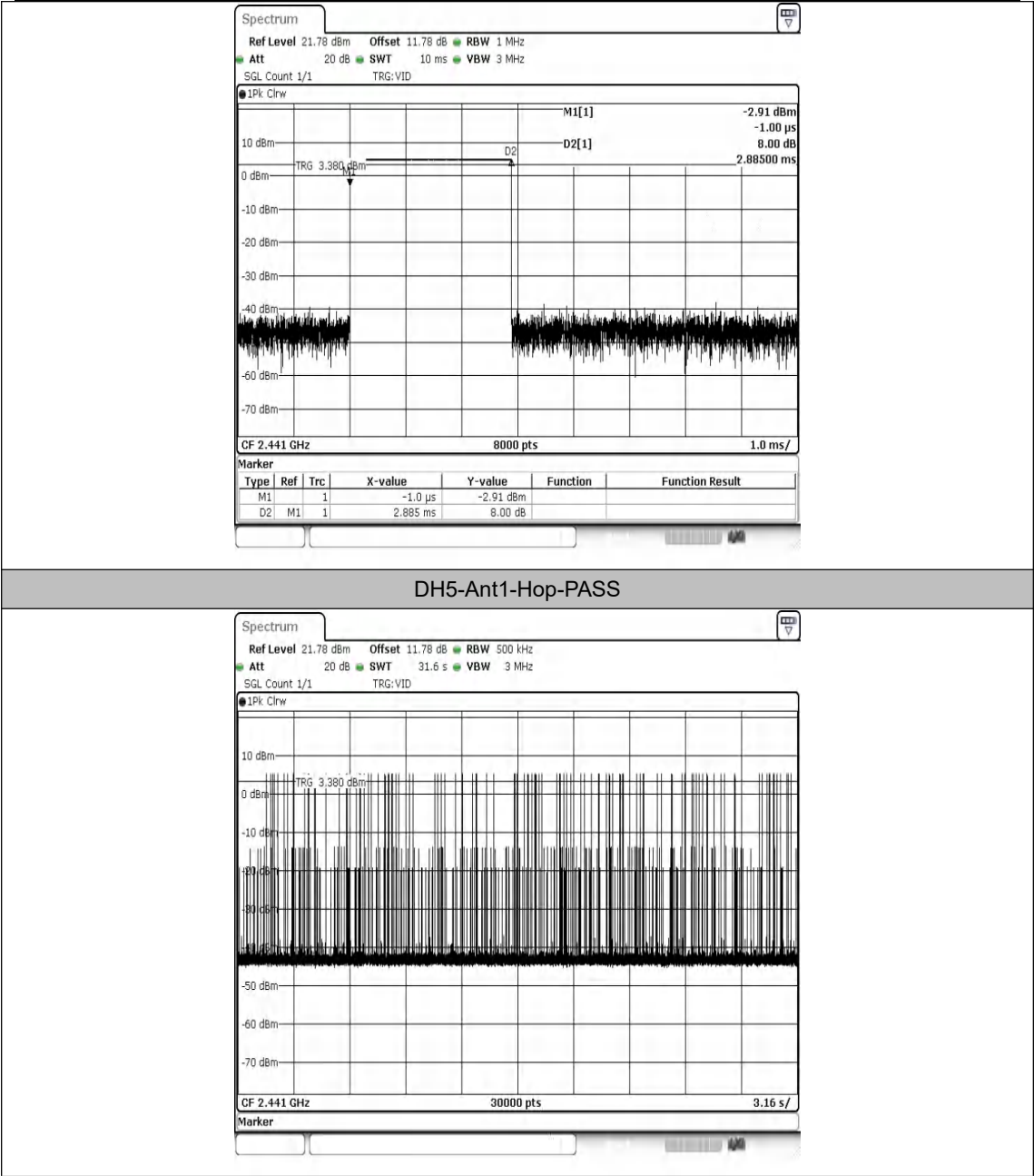
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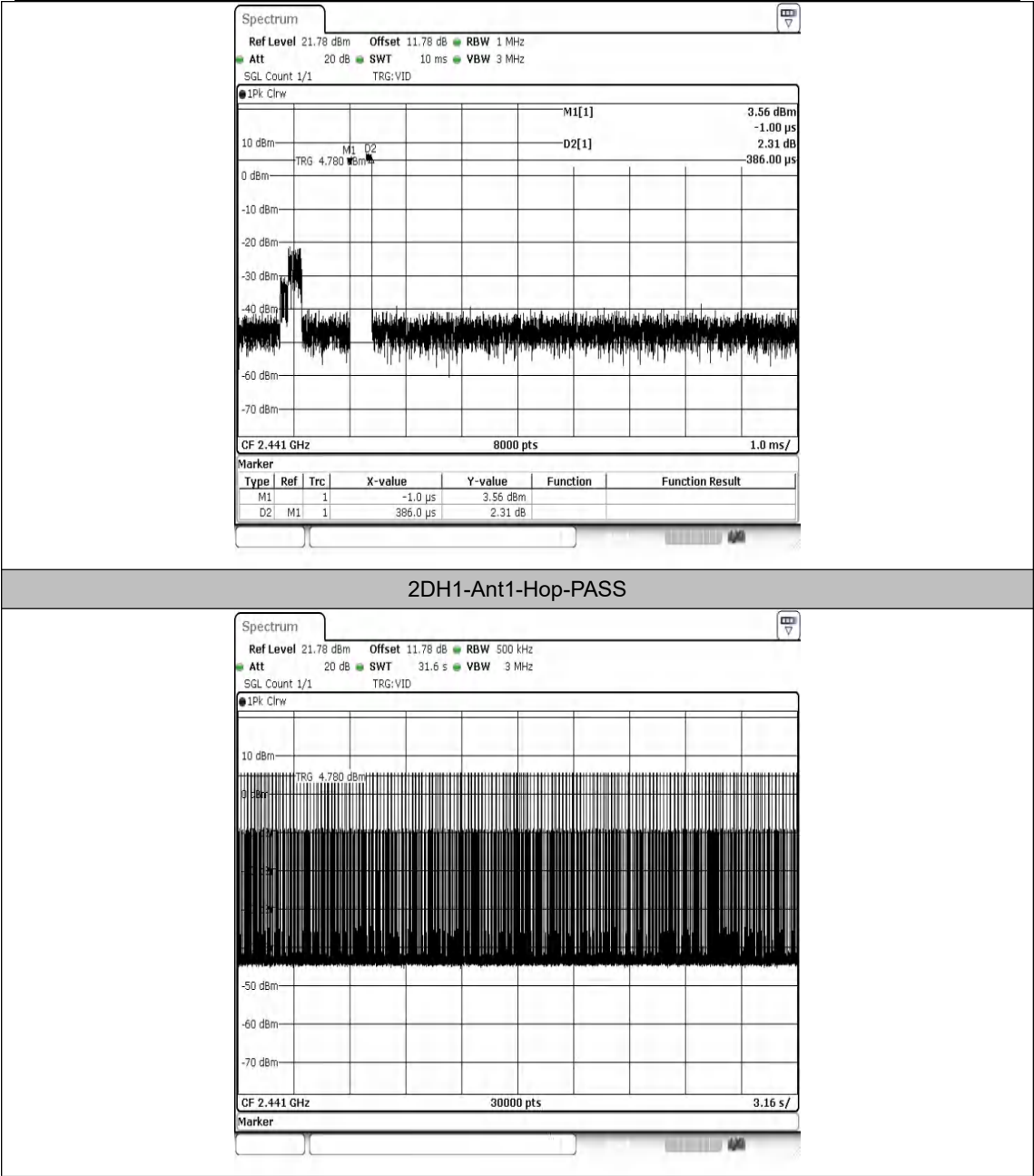
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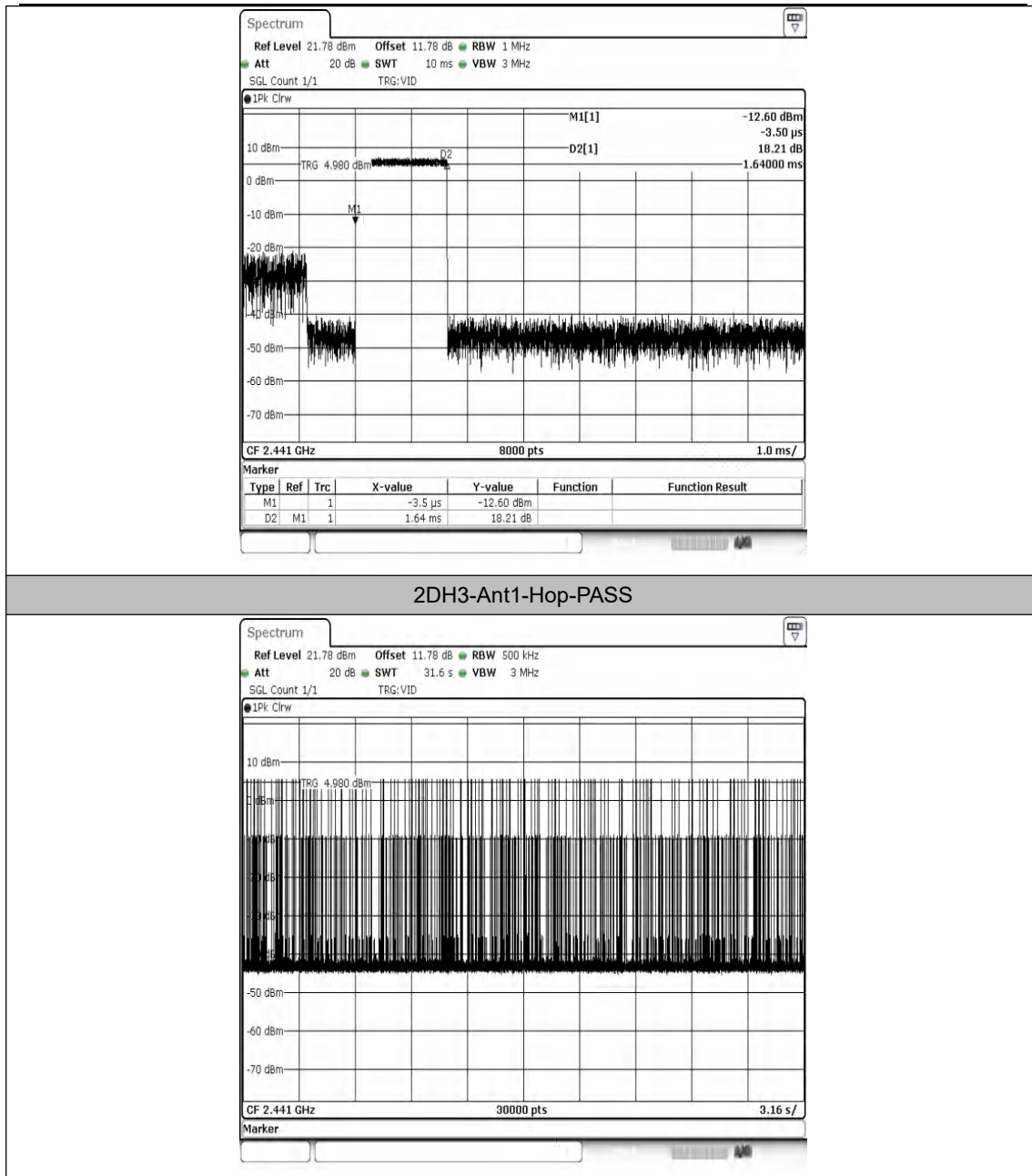
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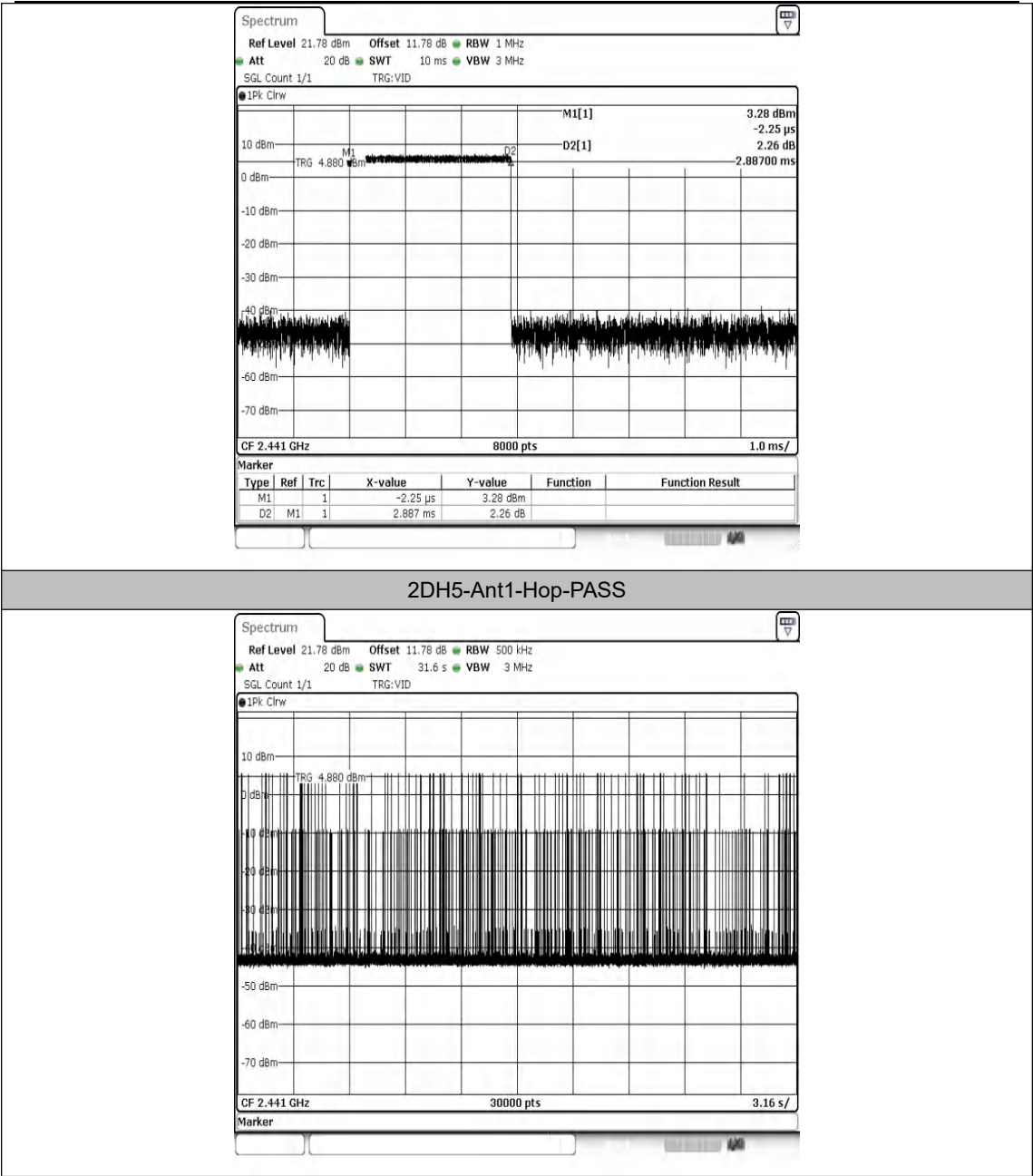


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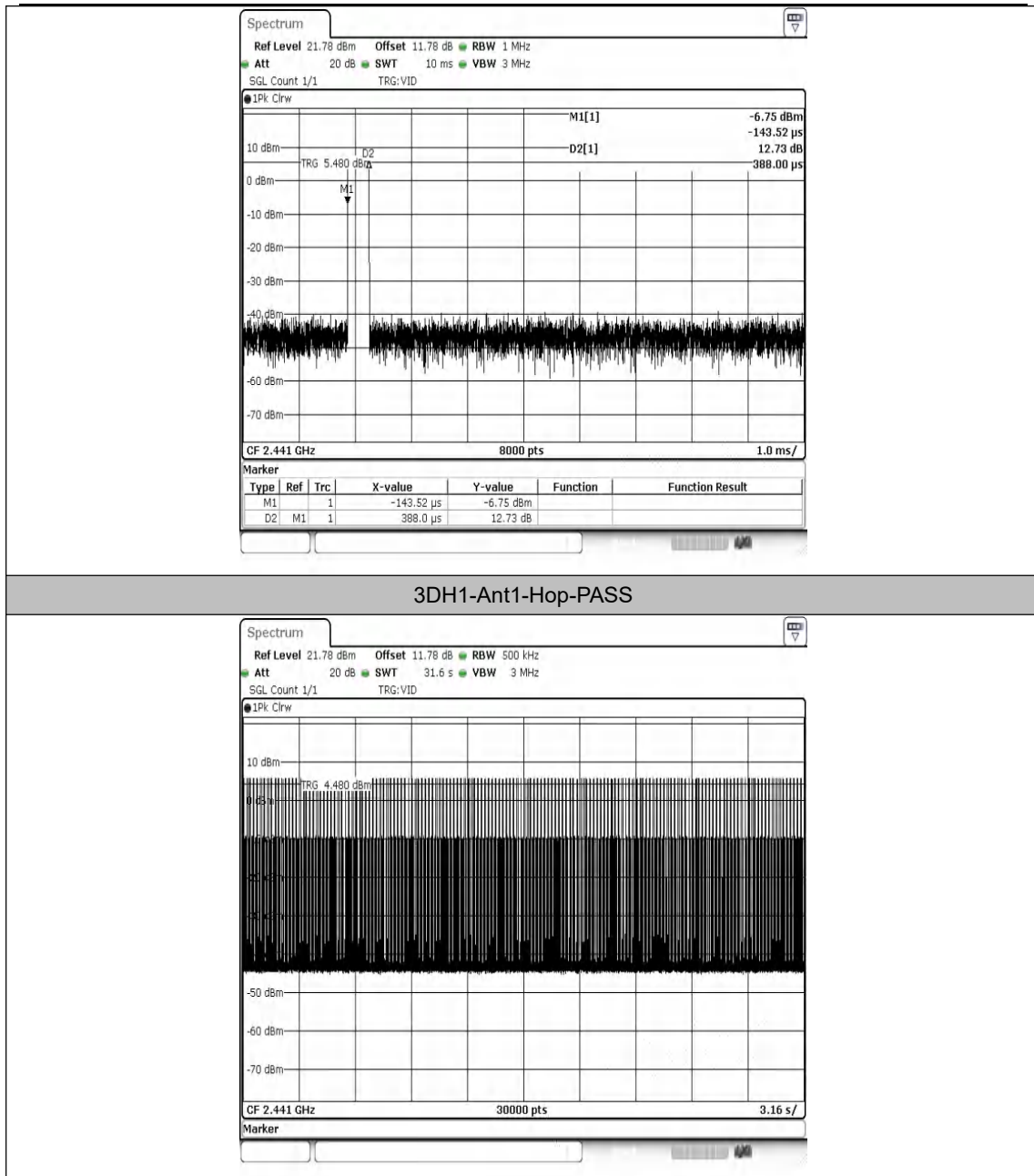


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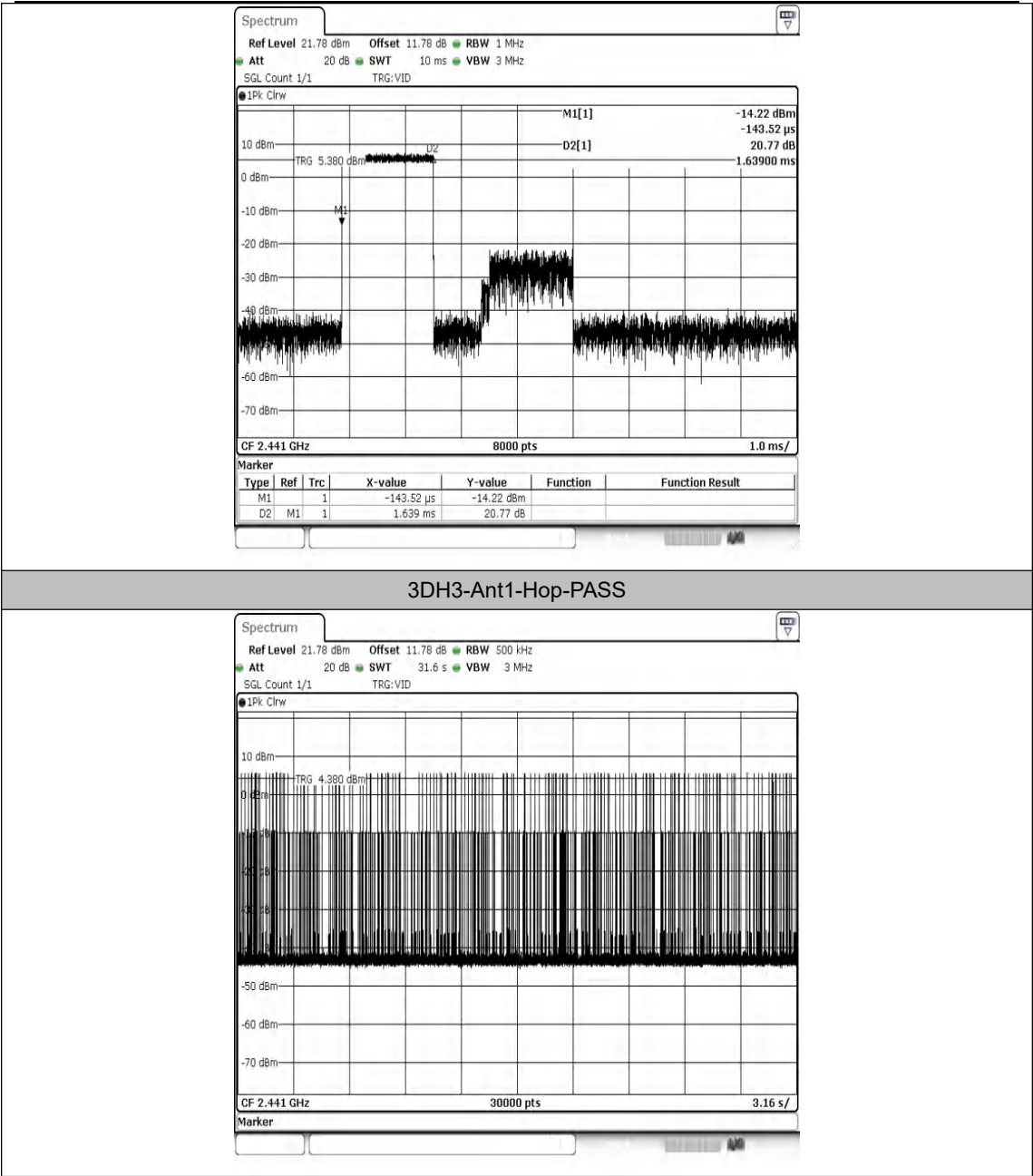
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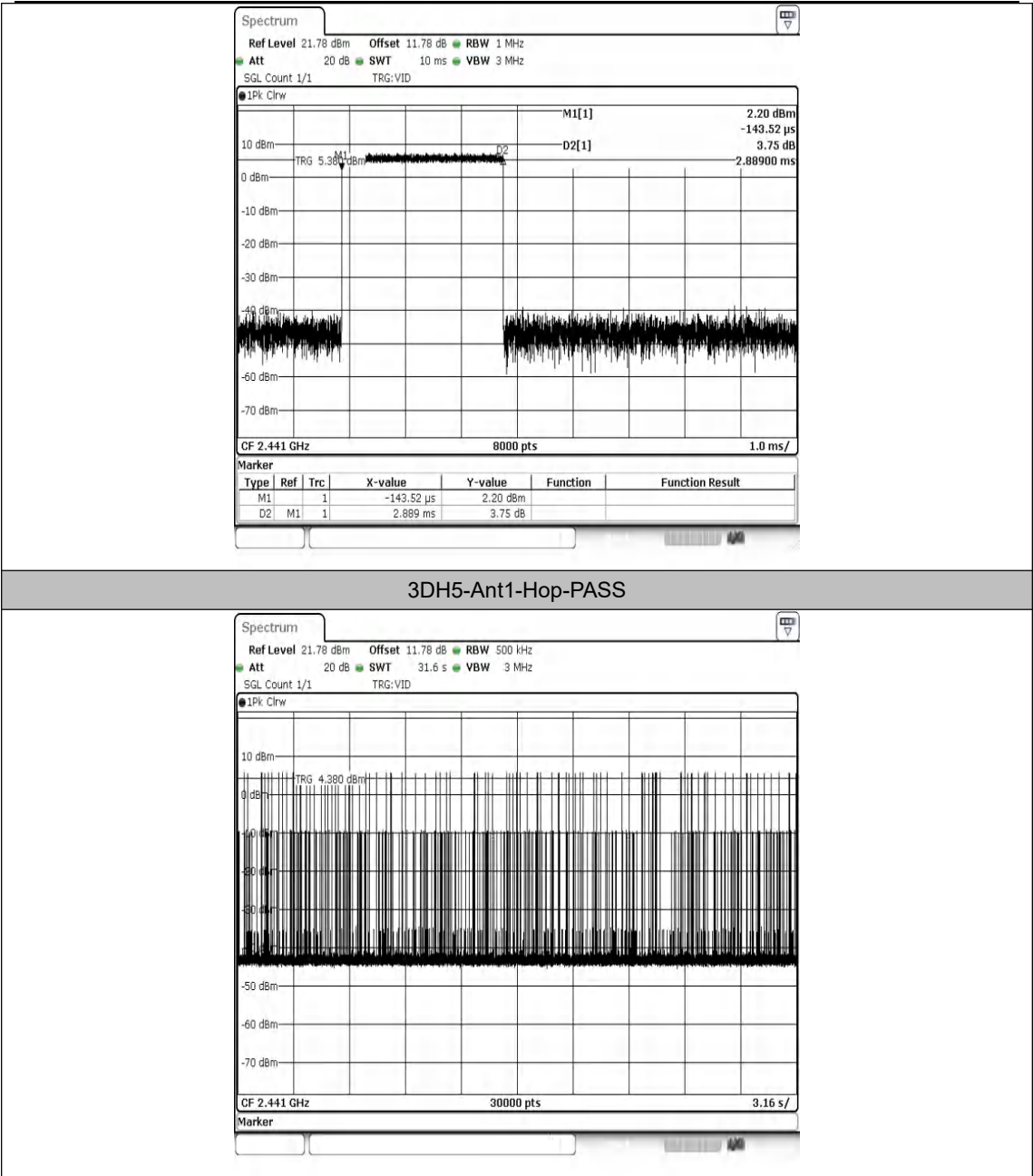
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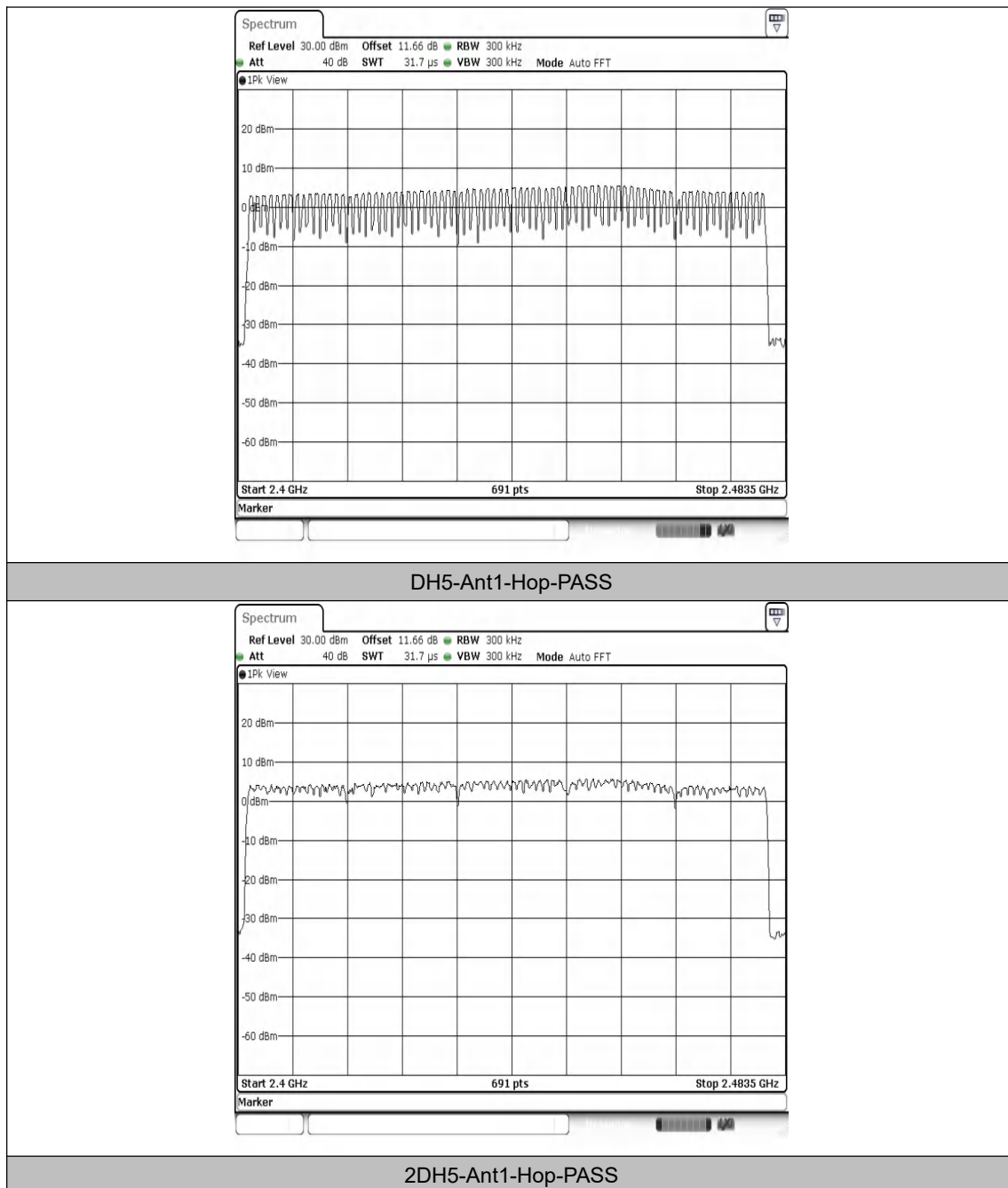


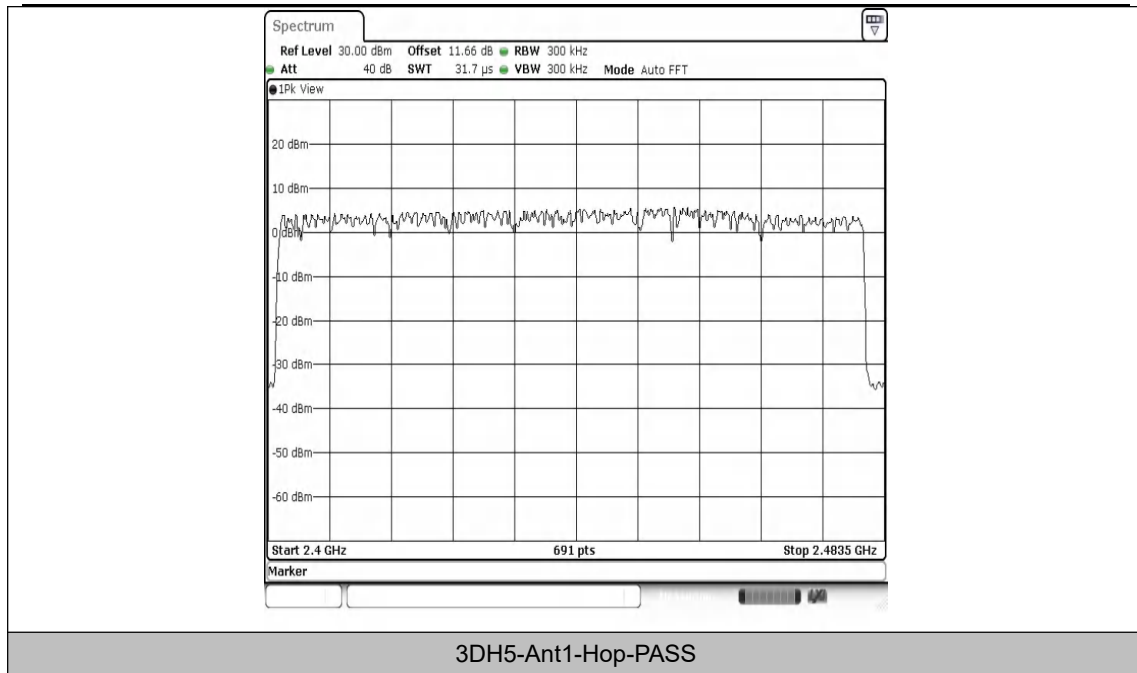
Appendix F: Number of hopping channels

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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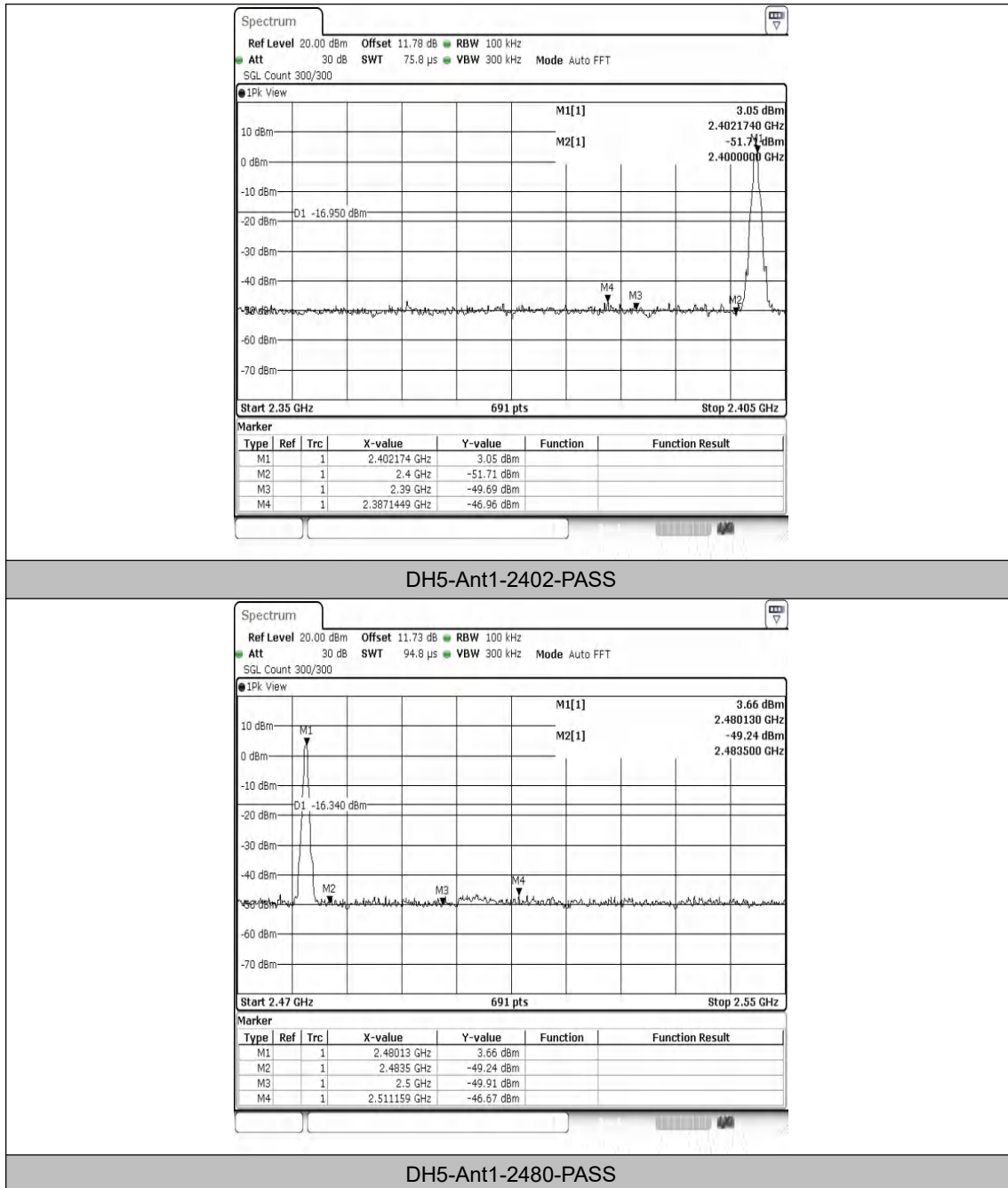
Appendix G: Band edge measurements

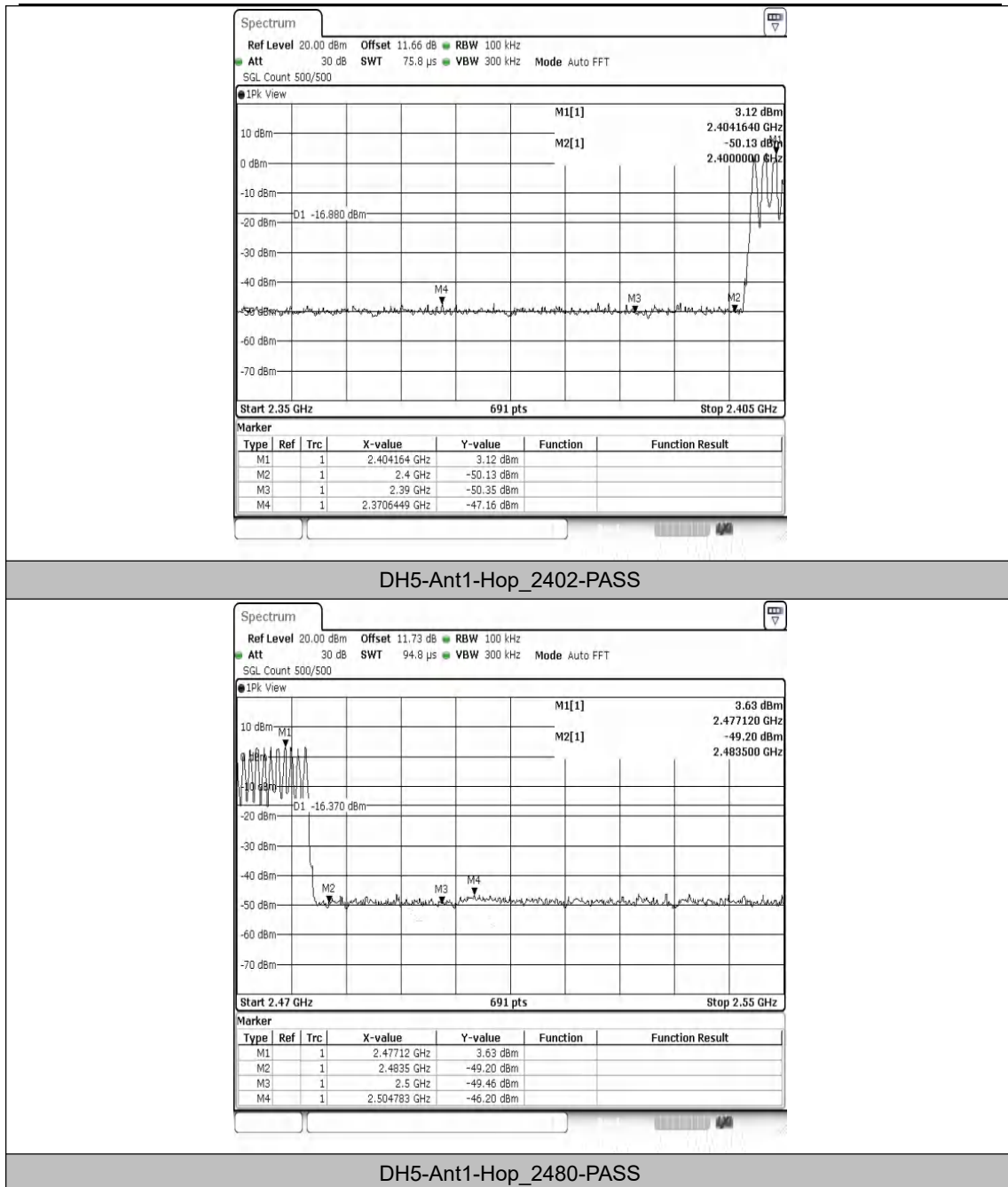
Test Result

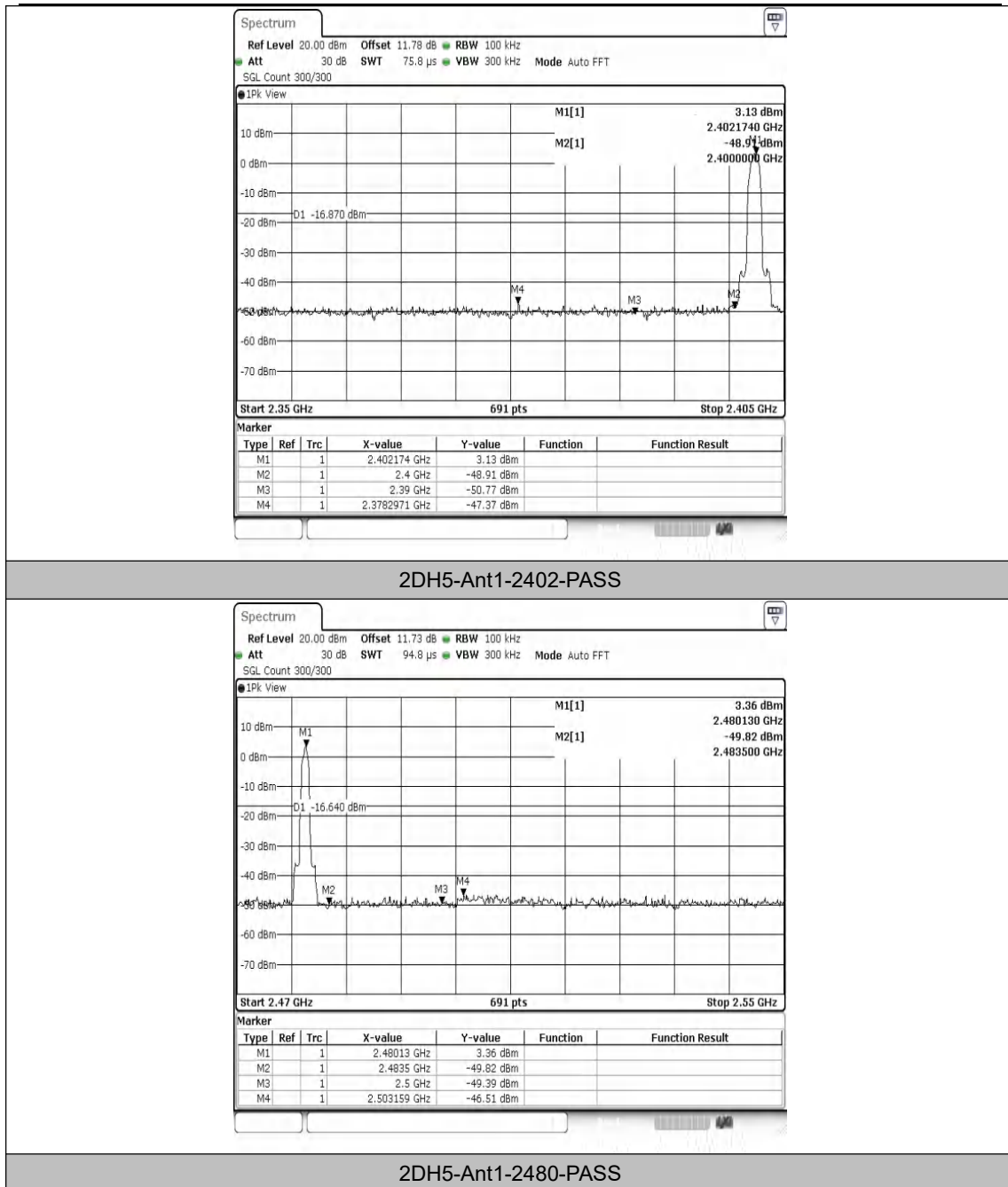
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.05	-46.96	≤-16.95	PASS
DH5	Ant1	High	2480	3.66	-46.67	≤-16.34	PASS
DH5	Ant1	Low	Hop_2402	3.12	-47.16	≤-16.88	PASS
DH5	Ant1	High	Hop_2480	3.63	-46.2	≤-16.37	PASS
2DH5	Ant1	Low	2402	3.13	-47.37	≤-16.87	PASS
2DH5	Ant1	High	2480	3.36	-46.51	≤-16.64	PASS
2DH5	Ant1	Low	Hop_2402	3.86	-47.19	≤-16.14	PASS
2DH5	Ant1	High	Hop_2480	3.28	-45.97	≤-16.72	PASS
3DH5	Ant1	Low	2402	3.93	-47.37	≤-16.07	PASS
3DH5	Ant1	High	2480	3.49	-46.42	≤-16.51	PASS
3DH5	Ant1	Low	Hop_2402	0.99	-47.65	≤-19.01	PASS
3DH5	Ant1	High	Hop_2480	3.77	-45.89	≤-16.23	PASS

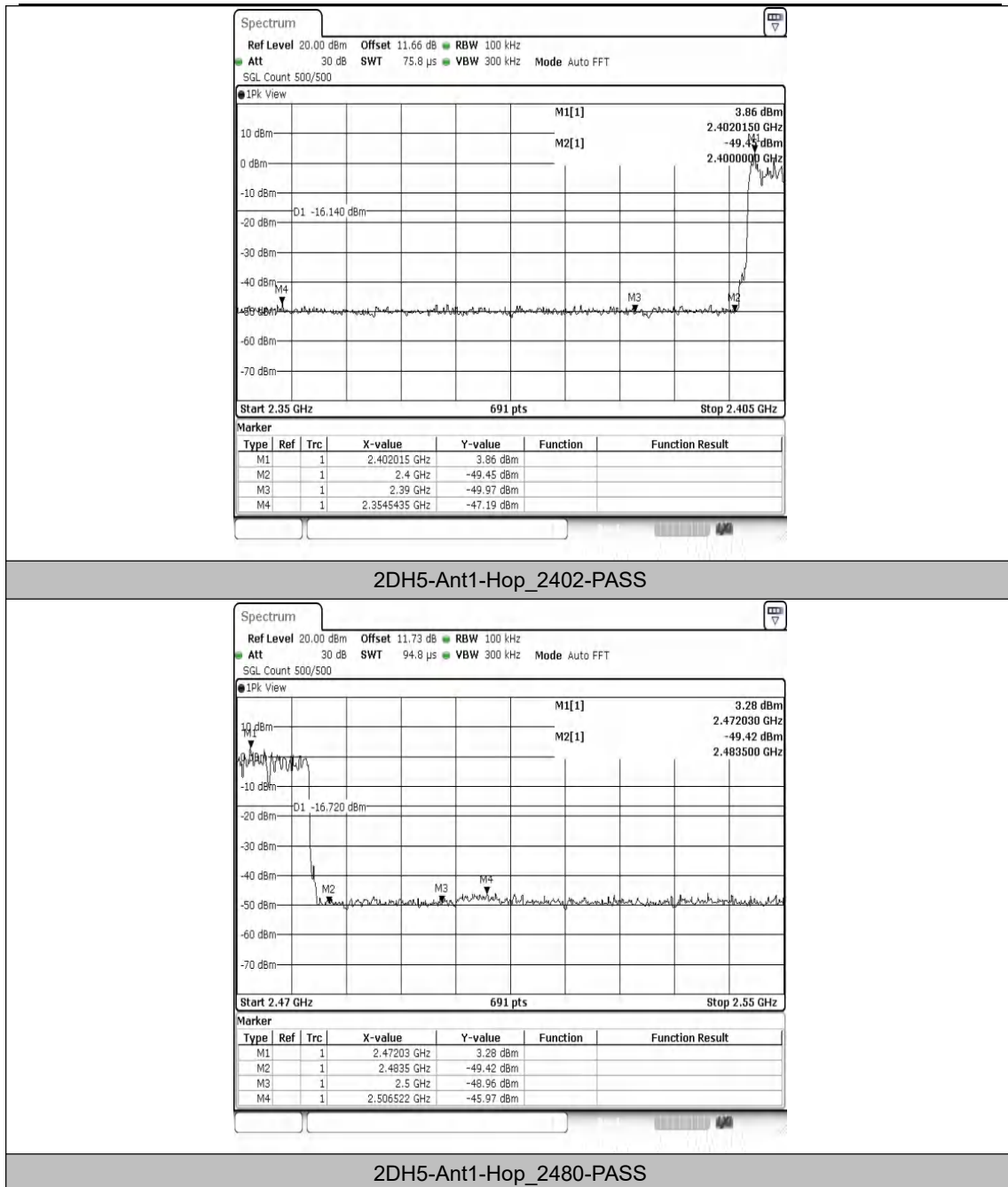


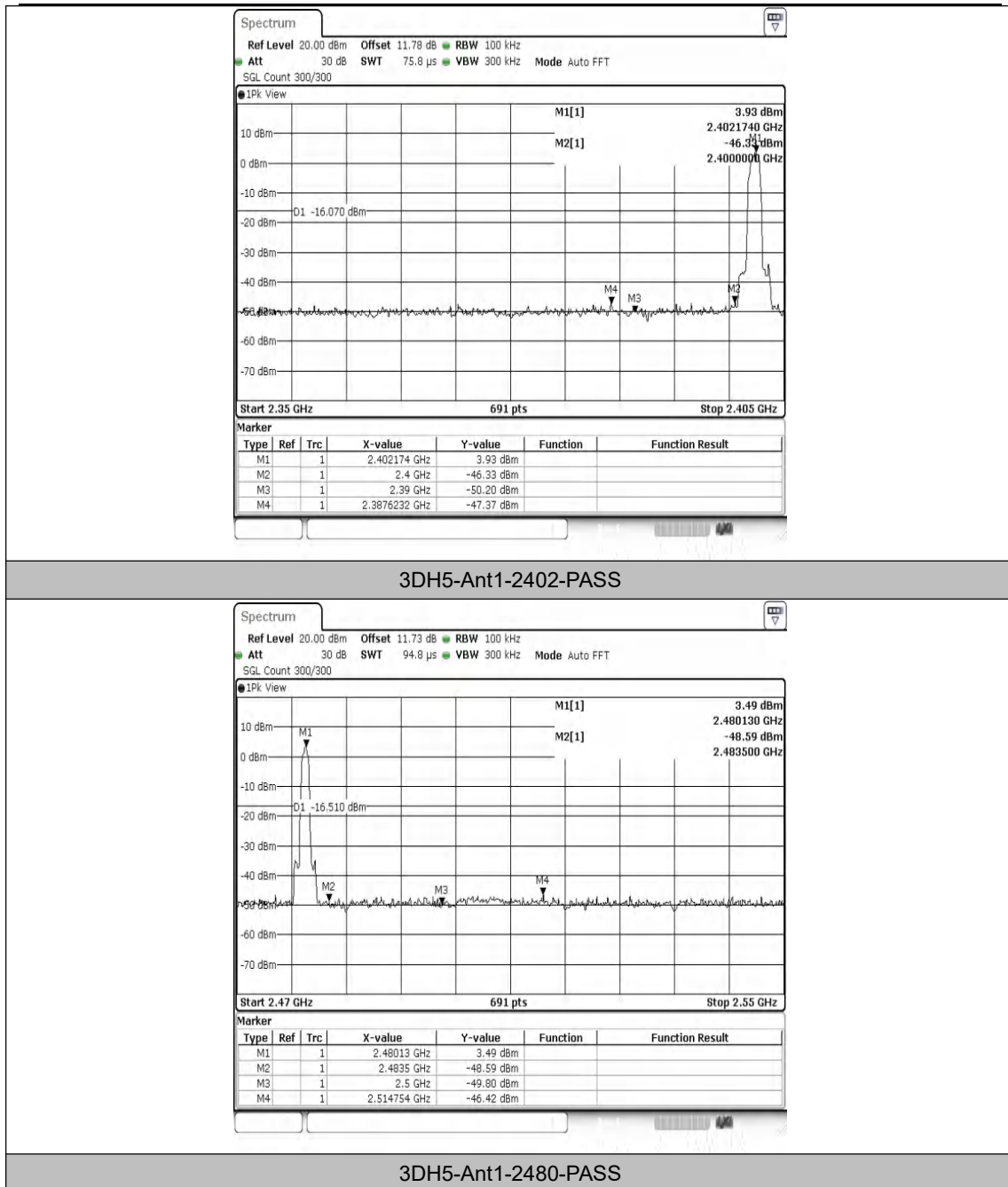
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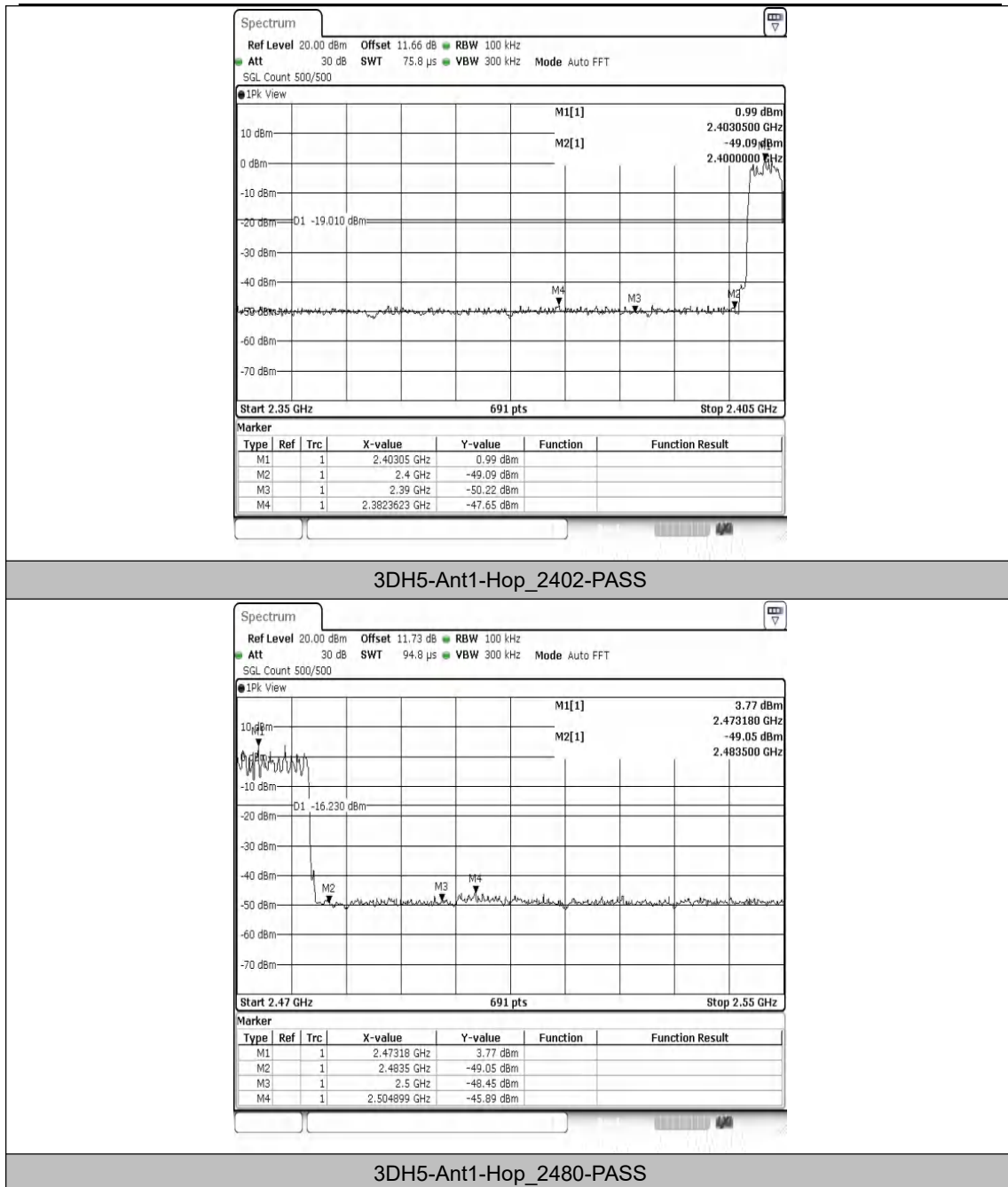












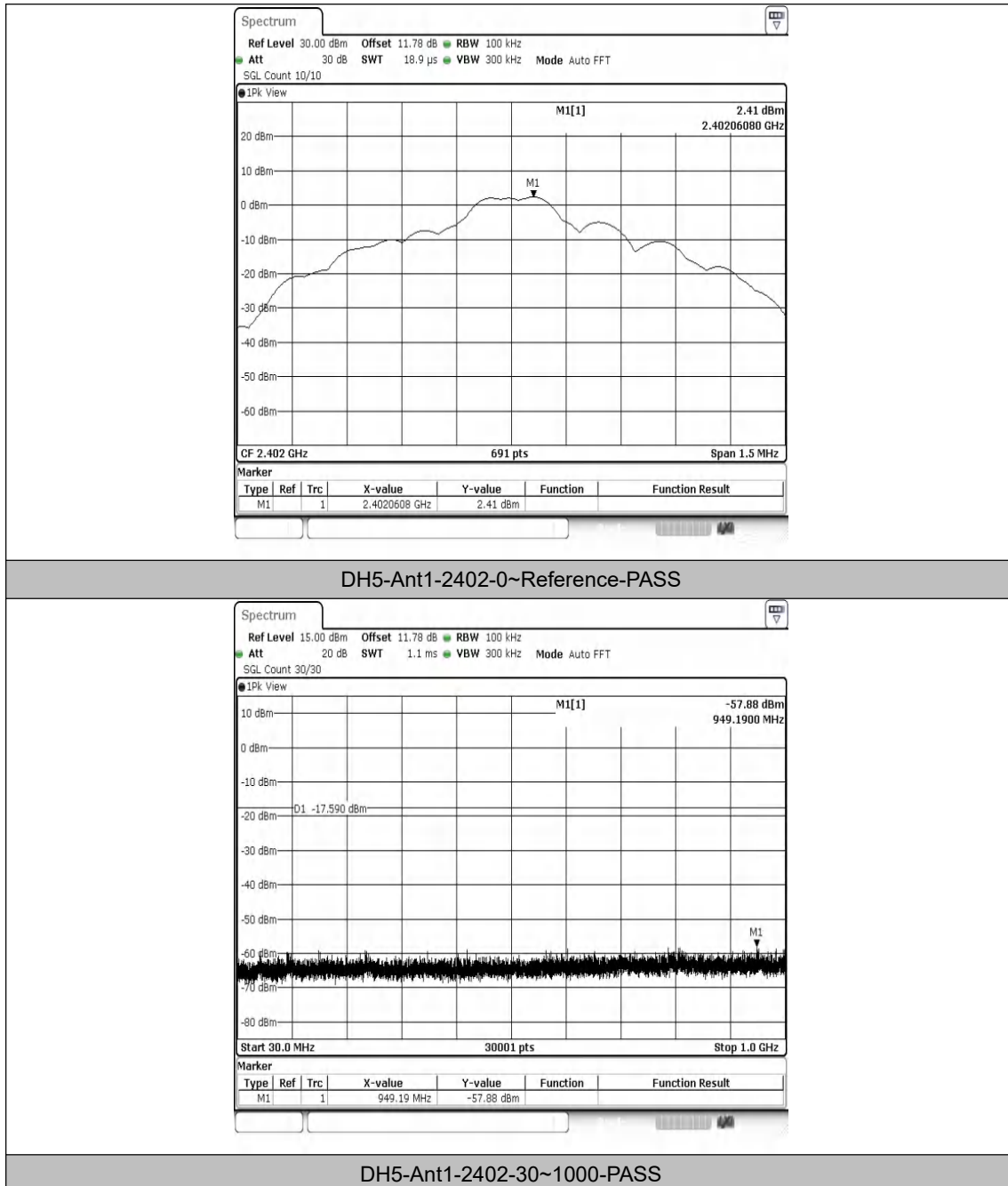
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.41	2.41	---	PASS
DH5	Ant1	2402	30~1000	2.41	-57.88	≤-17.59	PASS
DH5	Ant1	2402	1000~26500	2.41	-43.53	≤-17.59	PASS
DH5	Ant1	2441	0~Reference	4.04	4.04	---	PASS
DH5	Ant1	2441	30~1000	4.04	-58.03	≤-15.96	PASS
DH5	Ant1	2441	1000~26500	4.04	-43.65	≤-15.96	PASS
DH5	Ant1	2480	0~Reference	3.07	3.07	---	PASS
DH5	Ant1	2480	30~1000	3.07	-57.02	≤-16.93	PASS
DH5	Ant1	2480	1000~26500	3.07	-43.73	≤-16.93	PASS
2DH5	Ant1	2402	0~Reference	2.03	2.03	---	PASS
2DH5	Ant1	2402	30~1000	2.03	-57.32	≤-17.97	PASS
2DH5	Ant1	2402	1000~26500	2.03	-42.73	≤-17.97	PASS
2DH5	Ant1	2441	0~Reference	3.54	3.54	---	PASS
2DH5	Ant1	2441	30~1000	3.54	-58.17	≤-16.46	PASS
2DH5	Ant1	2441	1000~26500	3.54	-43.37	≤-16.46	PASS
2DH5	Ant1	2480	0~Reference	0.47	0.47	---	PASS
2DH5	Ant1	2480	30~1000	0.47	-58.2	≤-19.53	PASS
2DH5	Ant1	2480	1000~26500	0.47	-44.37	≤-19.53	PASS
3DH5	Ant1	2402	0~Reference	0.25	0.25	---	PASS
3DH5	Ant1	2402	30~1000	0.25	-57.91	≤-19.75	PASS
3DH5	Ant1	2402	1000~26500	0.25	-43.99	≤-19.75	PASS
3DH5	Ant1	2441	0~Reference	2.38	2.38	---	PASS
3DH5	Ant1	2441	30~1000	2.38	-57.98	≤-17.62	PASS
3DH5	Ant1	2441	1000~26500	2.38	-44.41	≤-17.62	PASS
3DH5	Ant1	2480	0~Reference	1.65	1.65	---	PASS
3DH5	Ant1	2480	30~1000	1.65	-57.63	≤-18.35	PASS
3DH5	Ant1	2480	1000~26500	1.65	-43.81	≤-18.35	PASS



Test Graphs

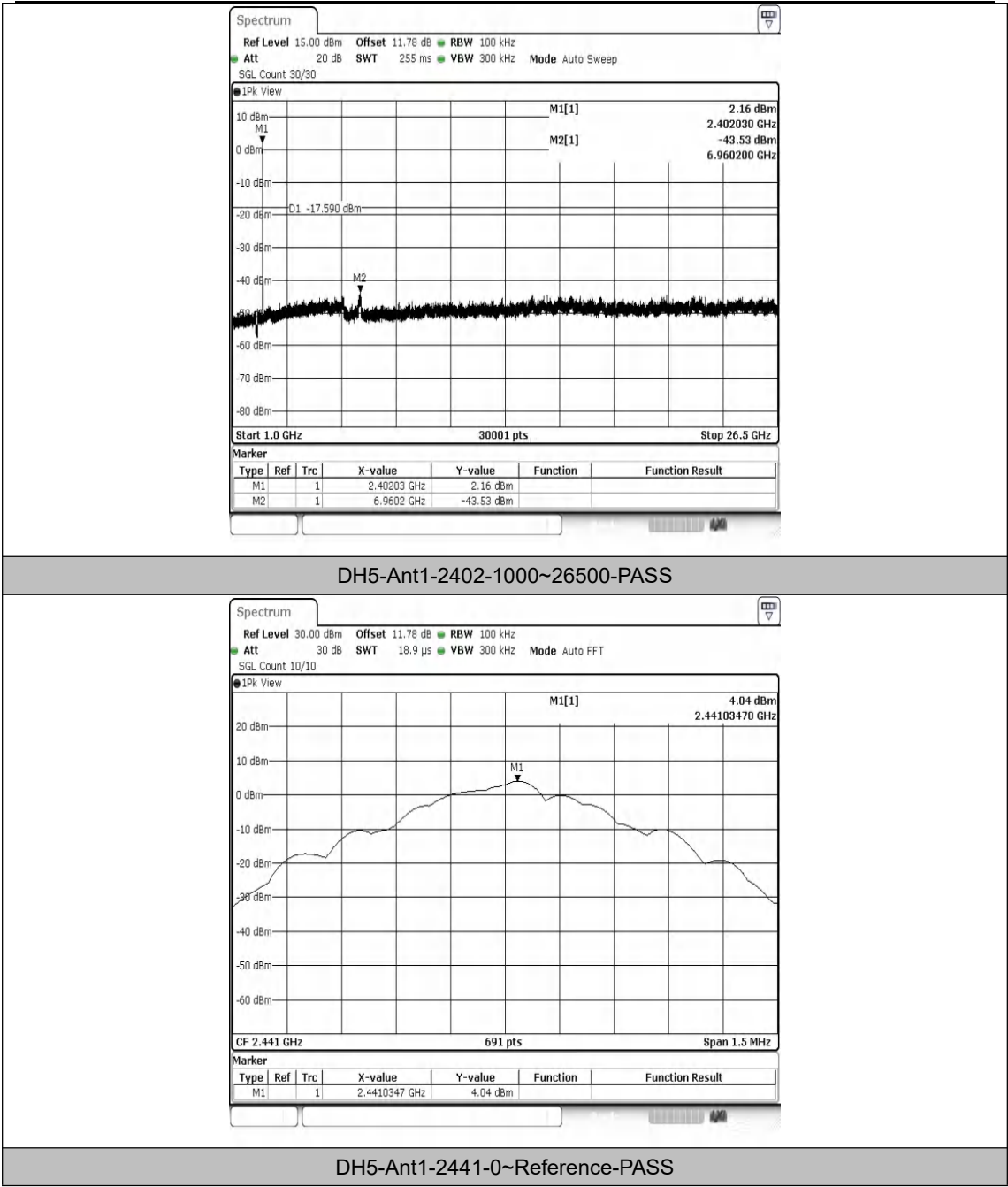


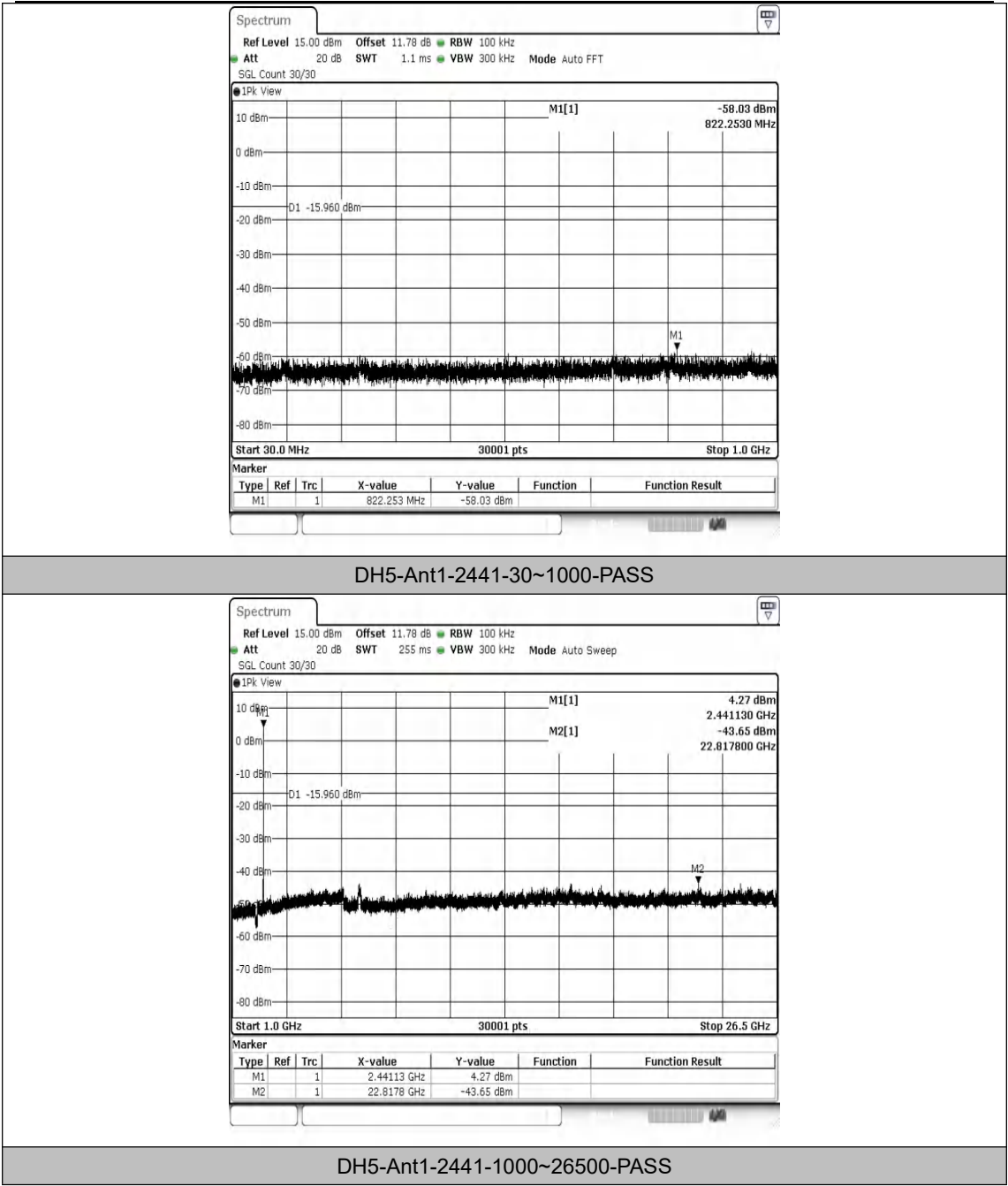
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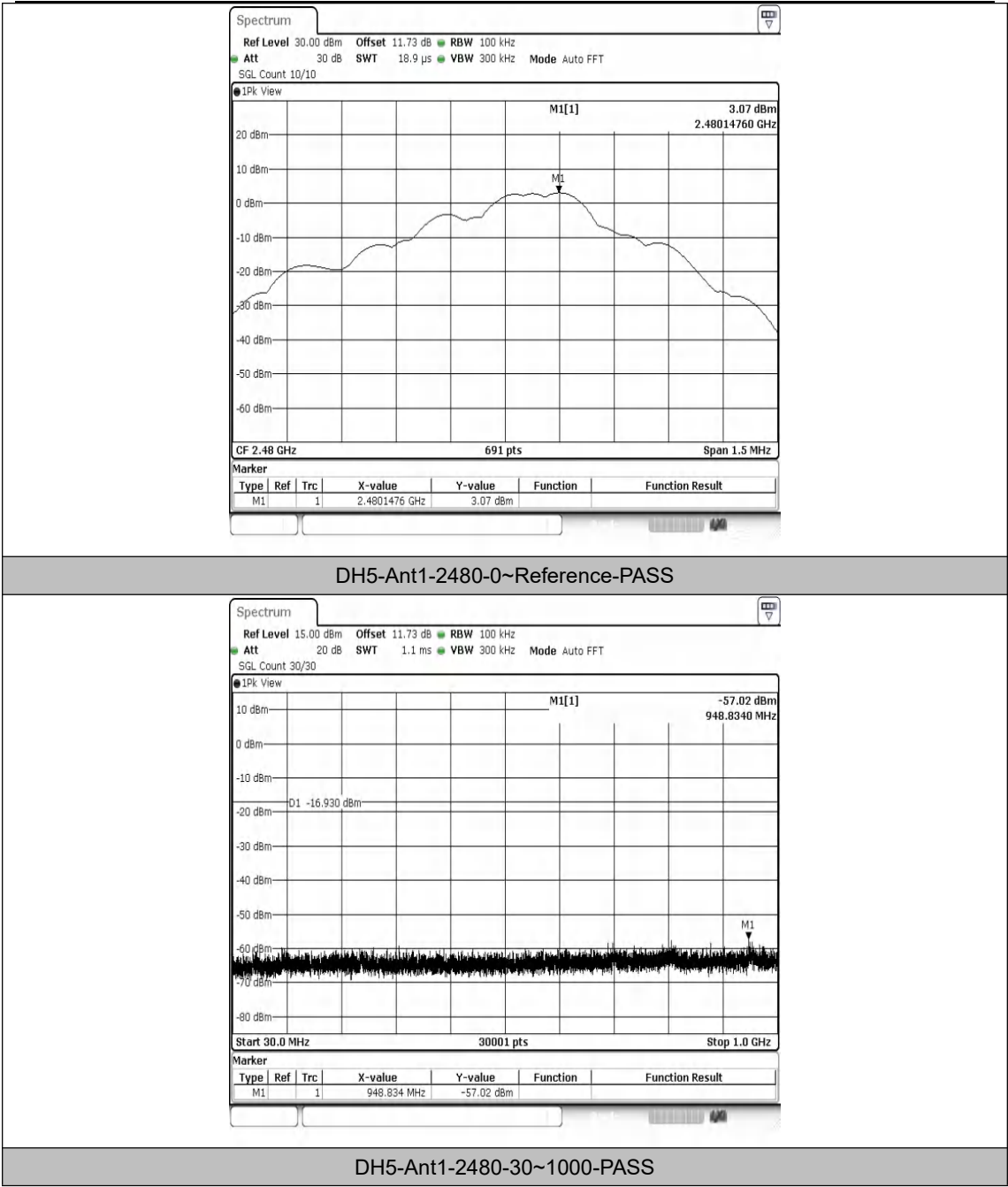
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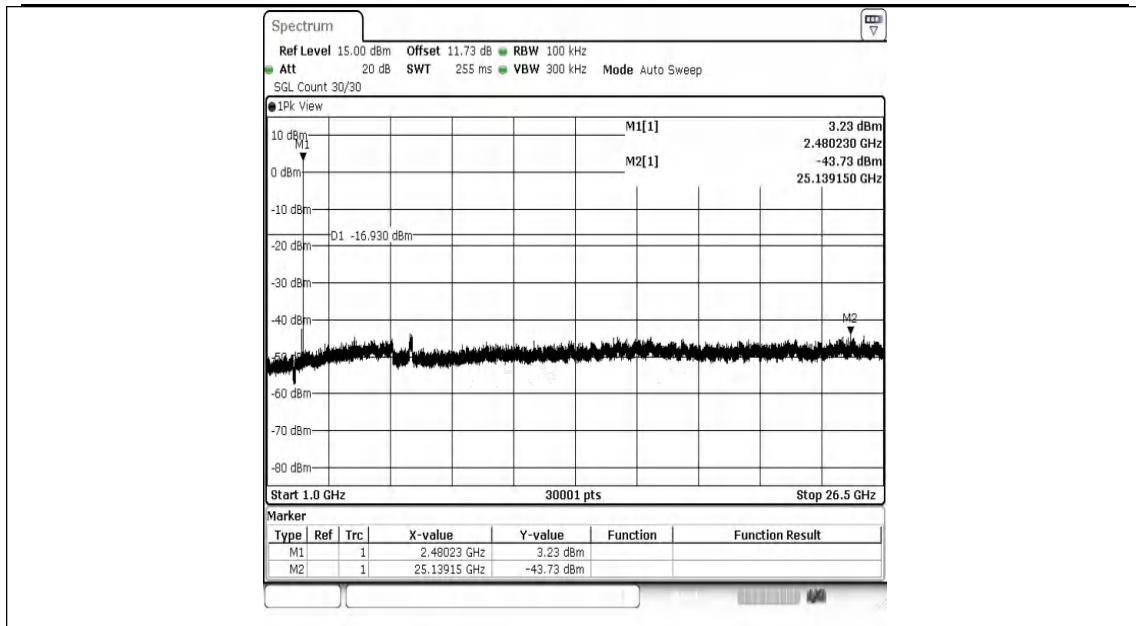
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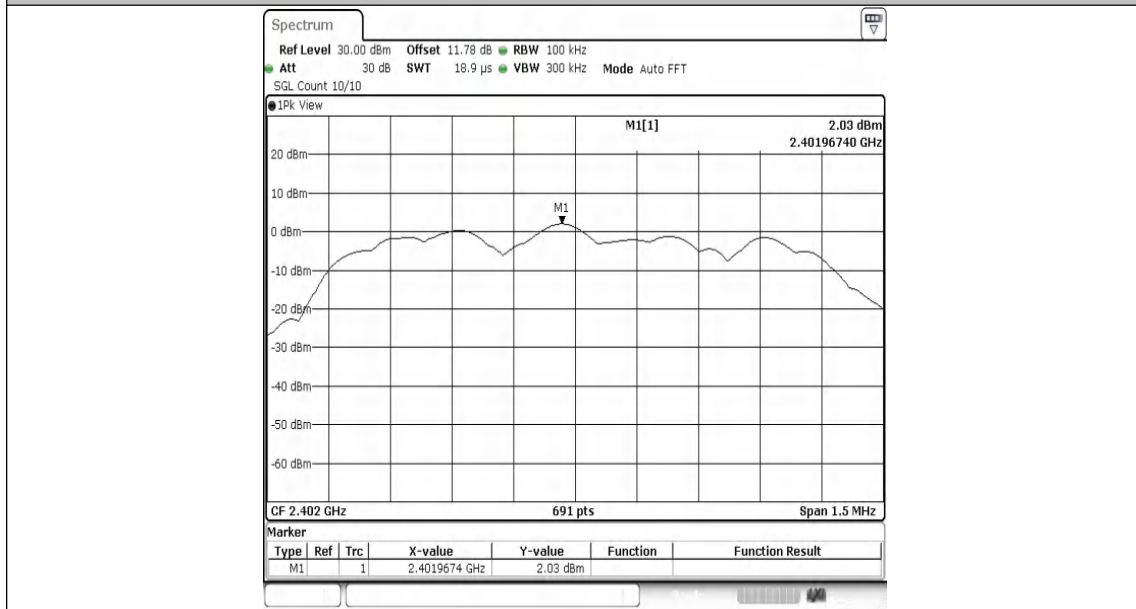






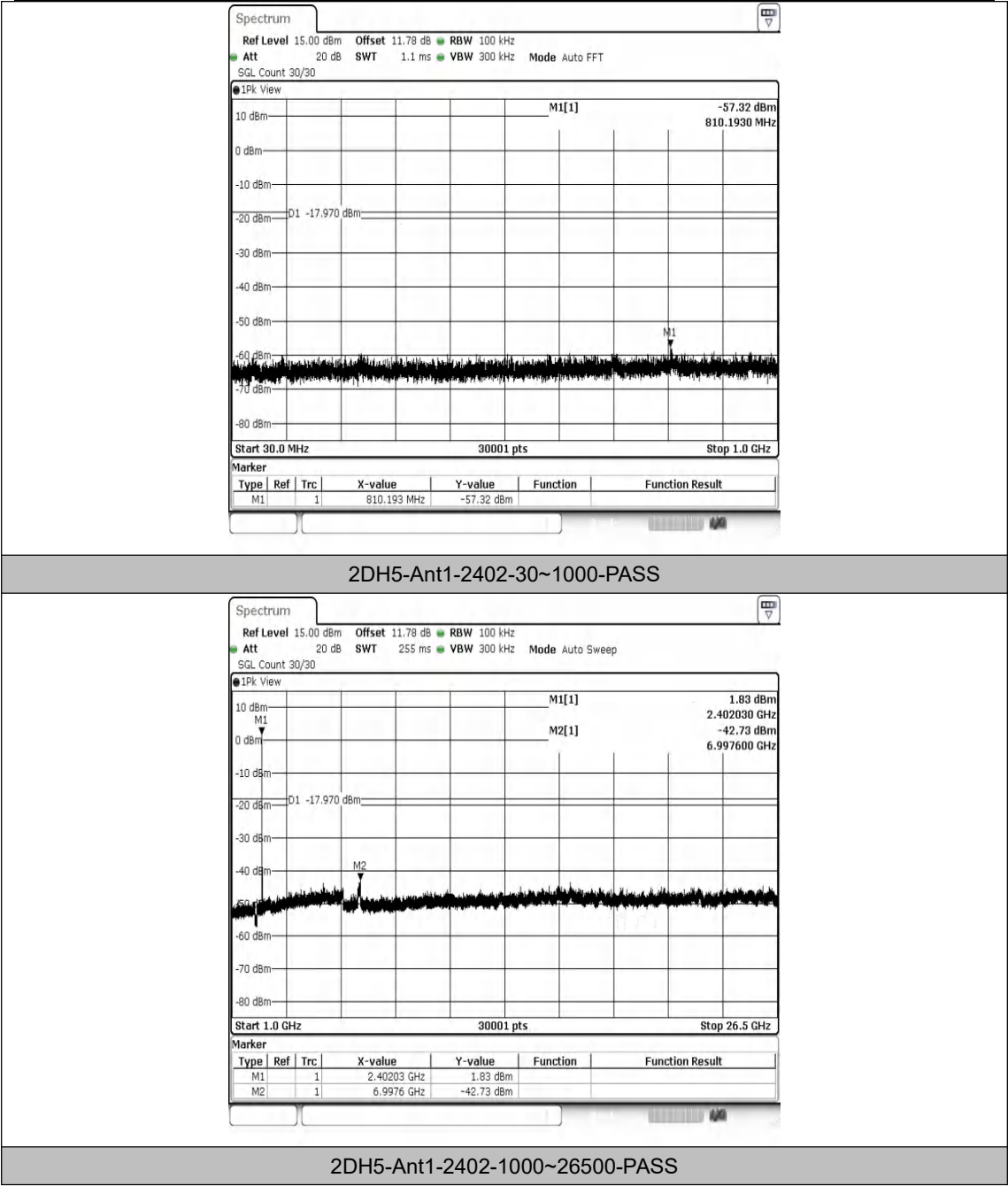


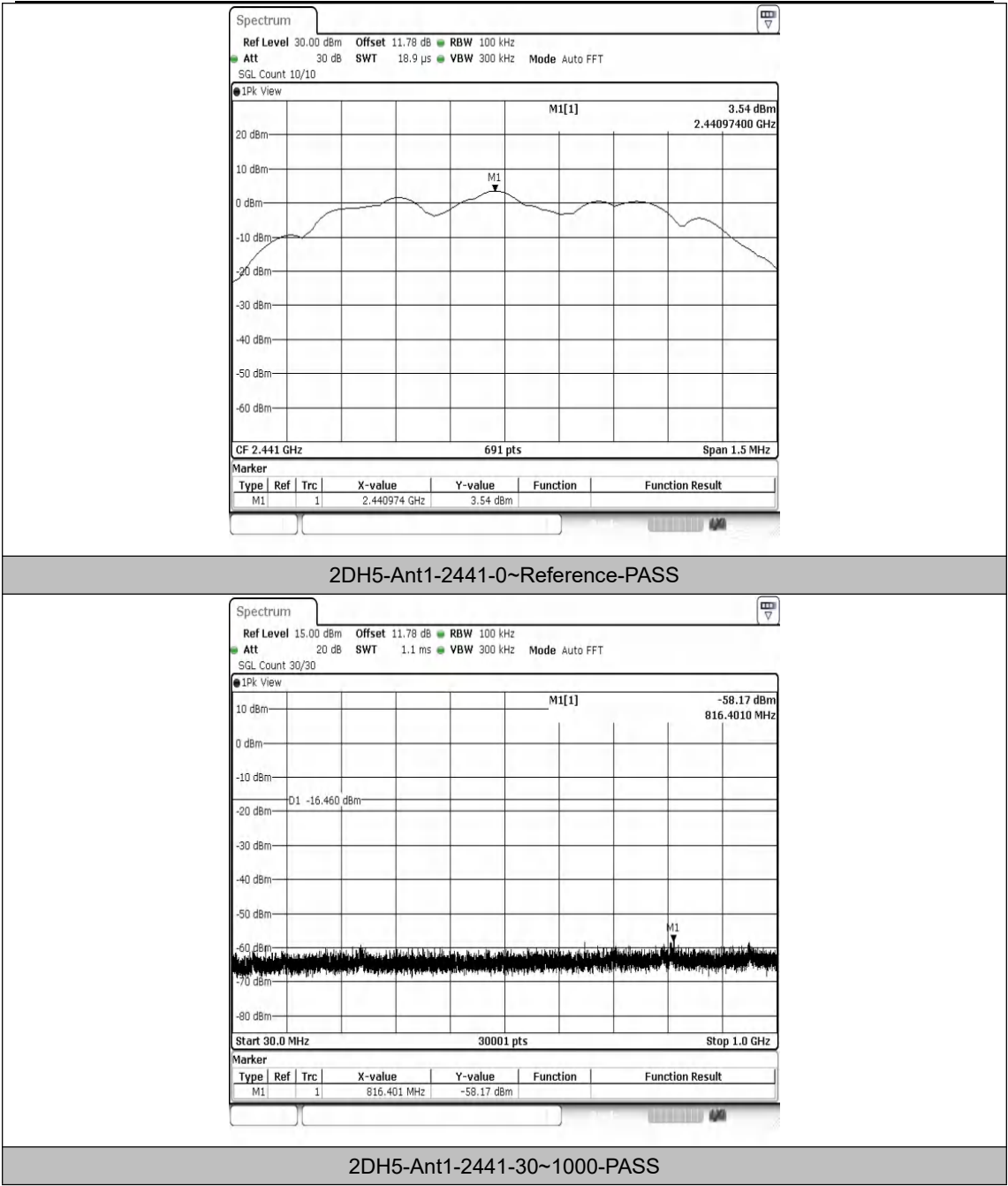
DH5-Ant1-2480-1000~26500-PASS

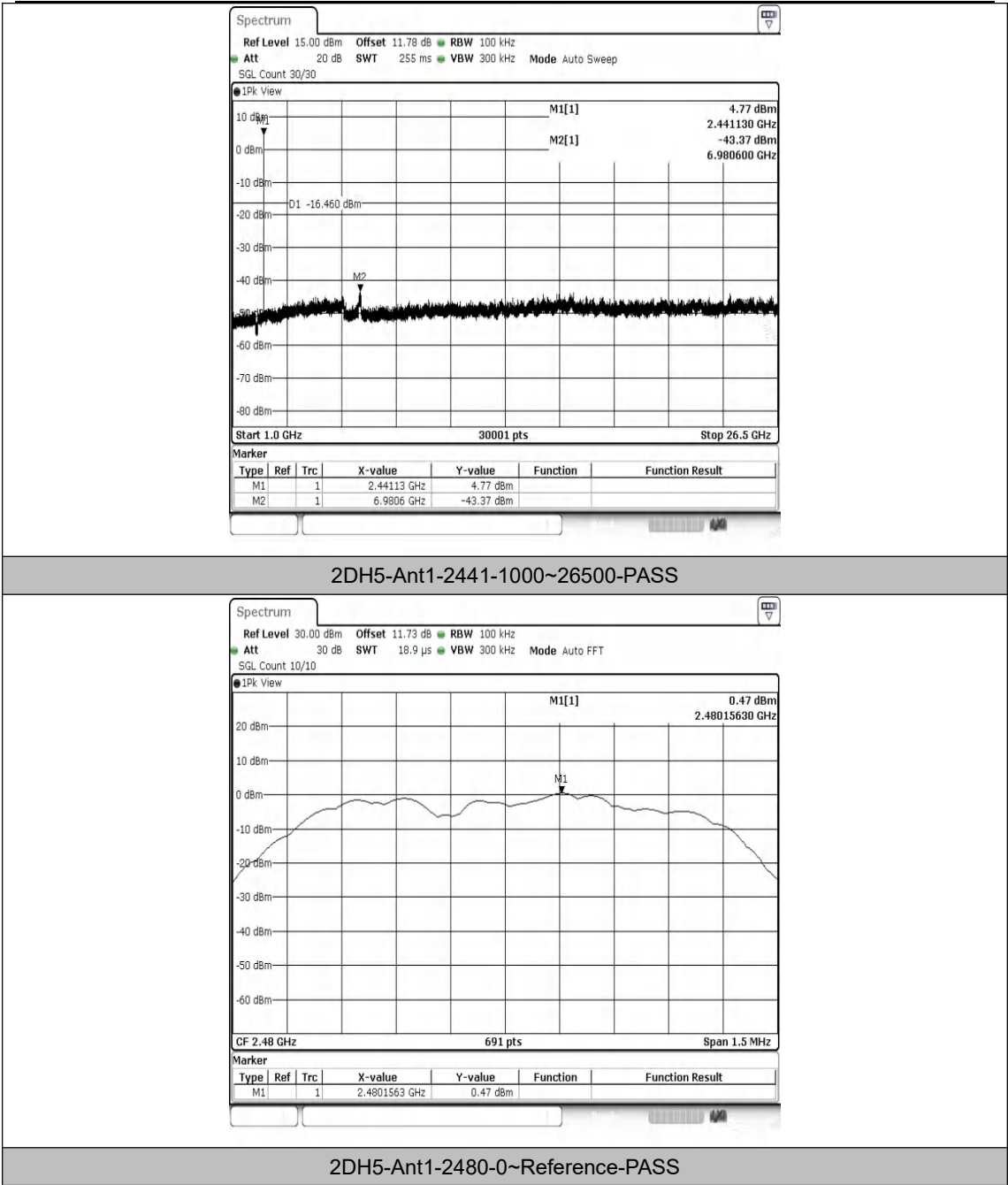


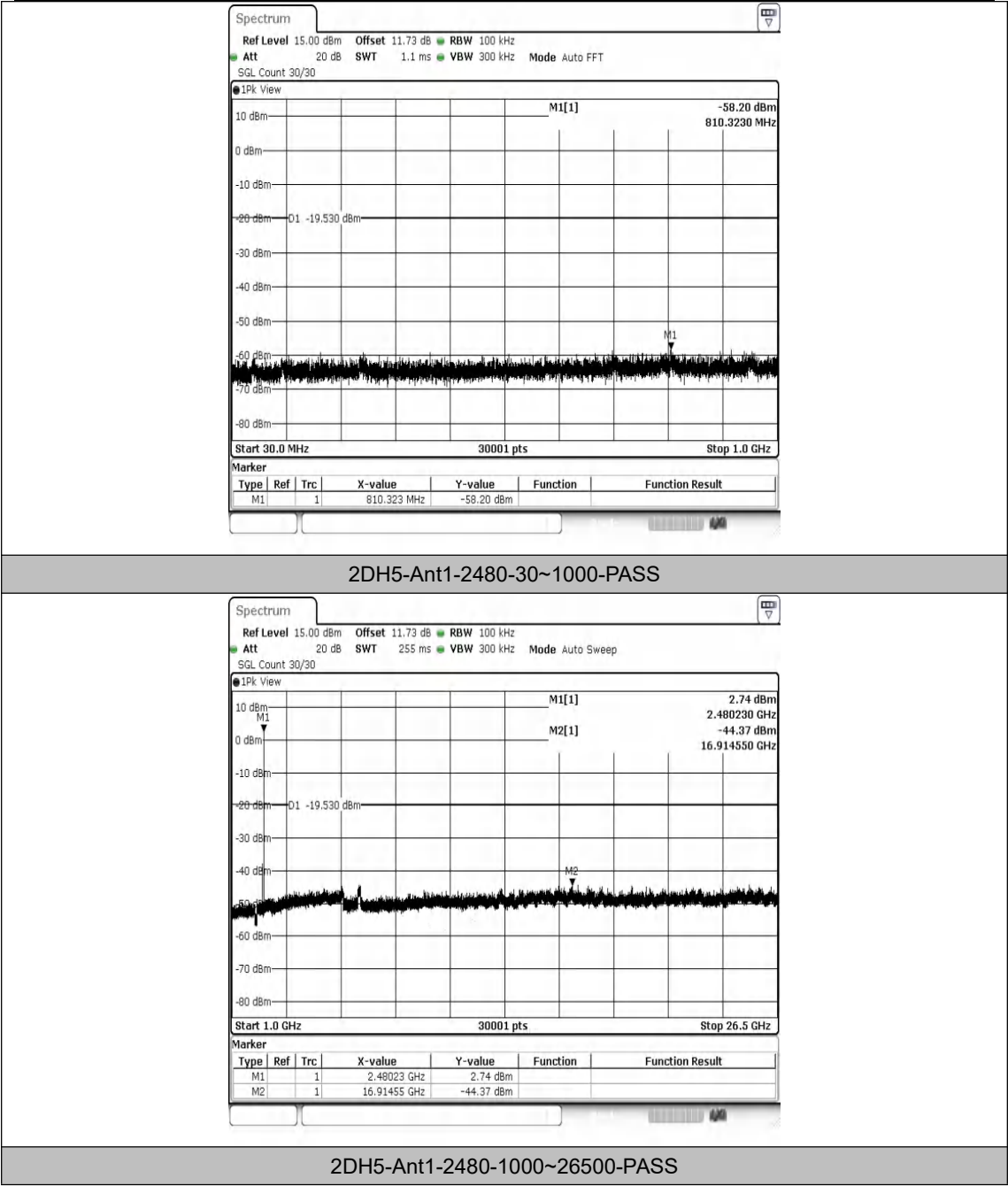
2DH5-Ant1-2402-0~Reference-PASS

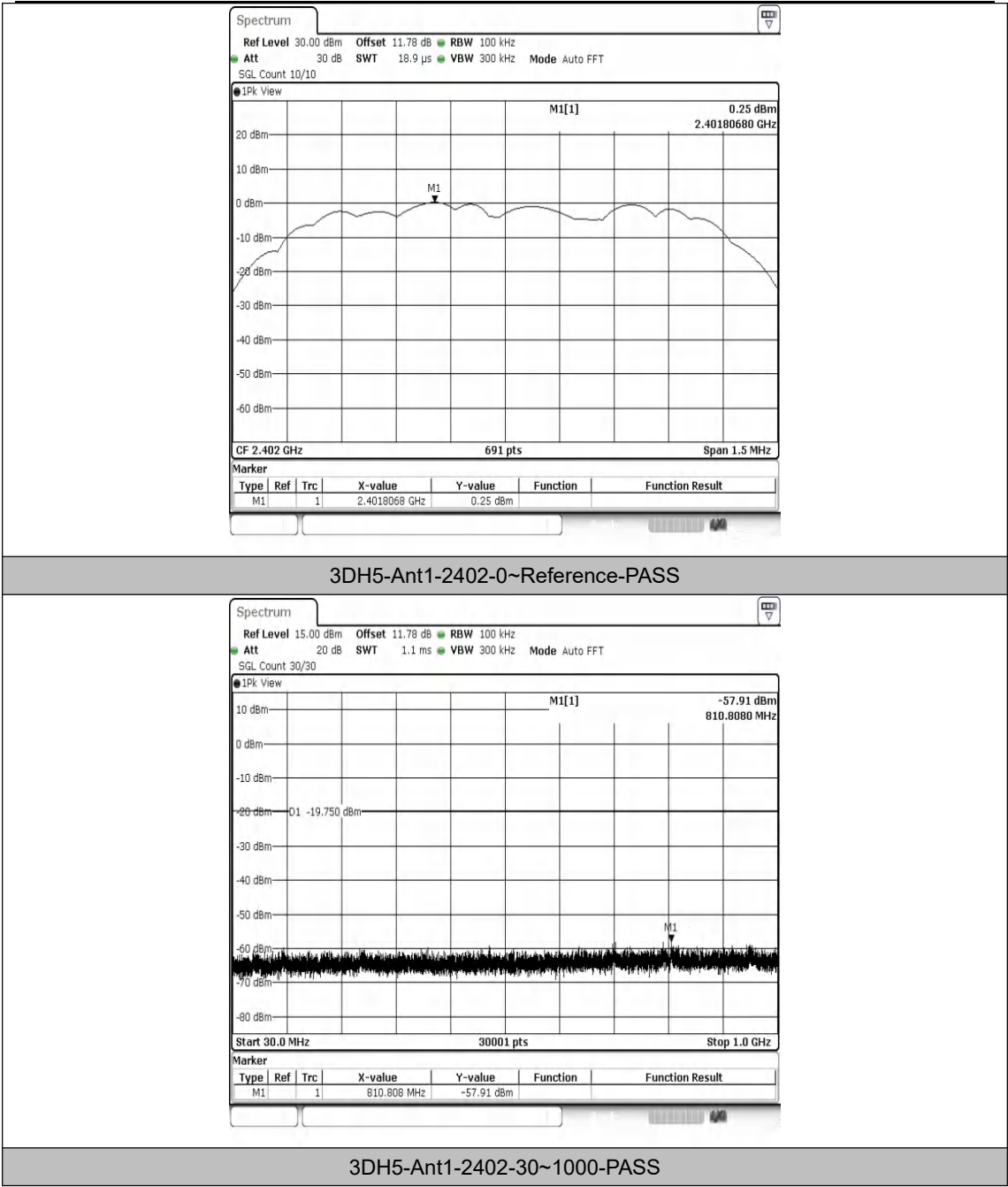


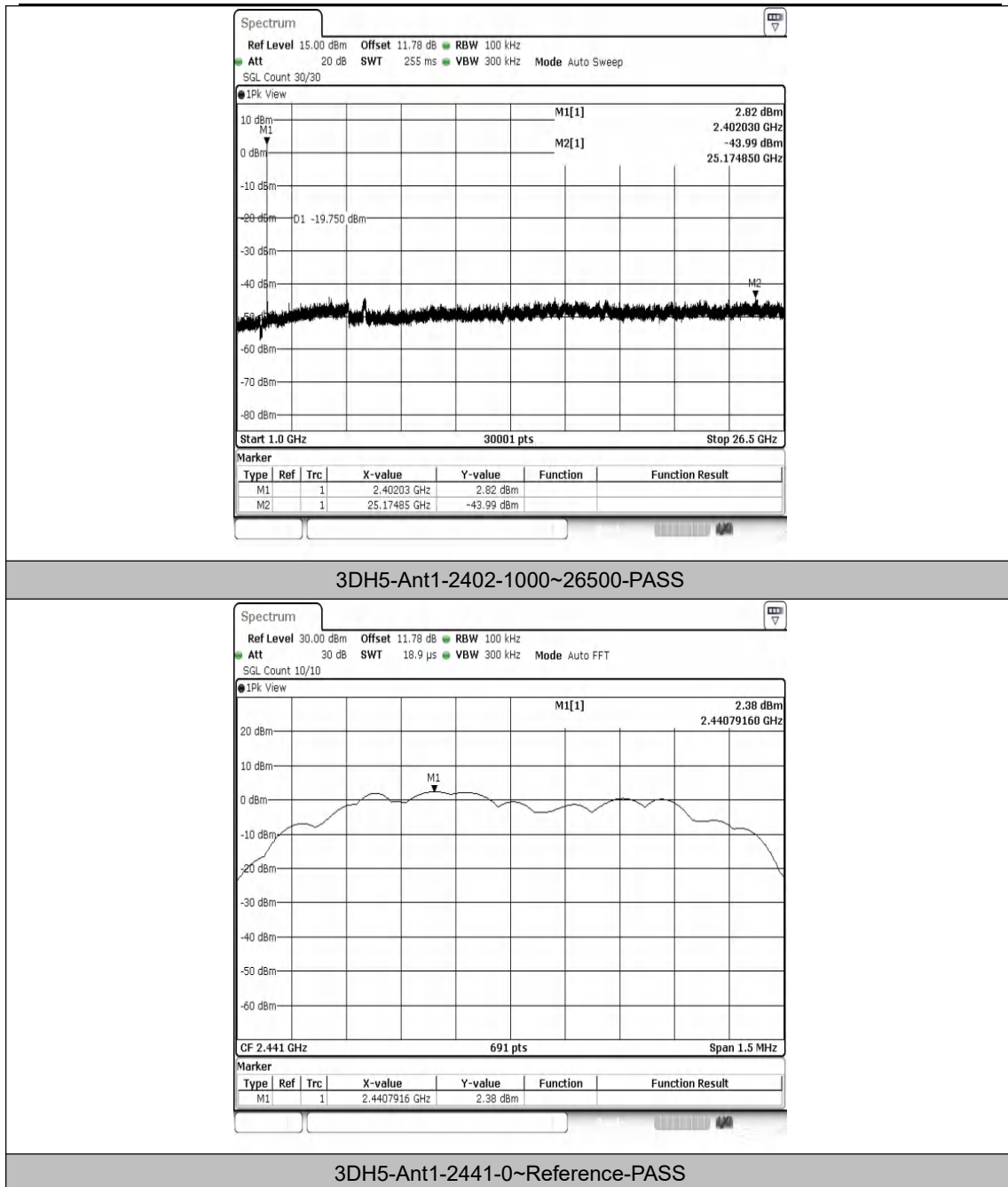










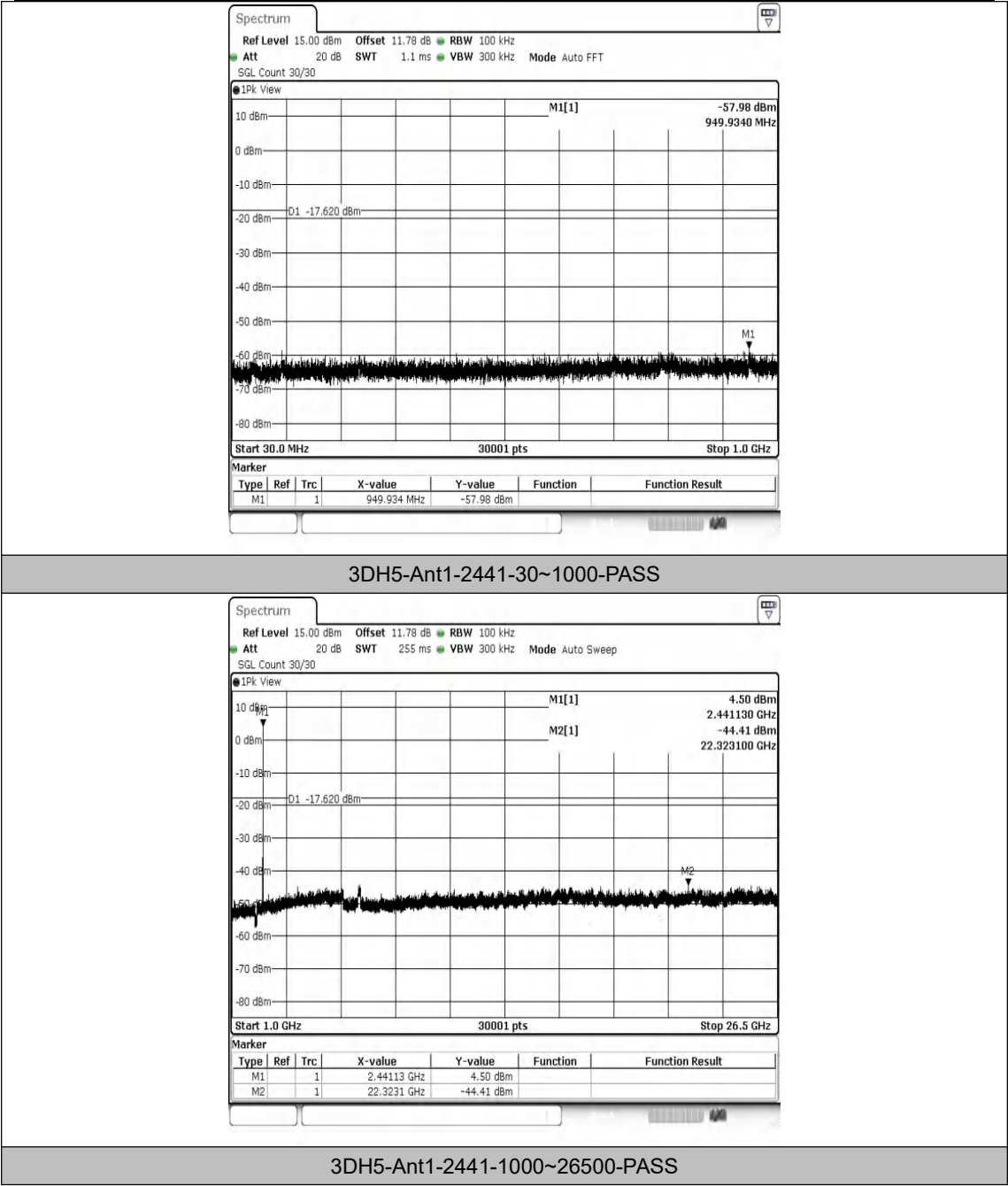


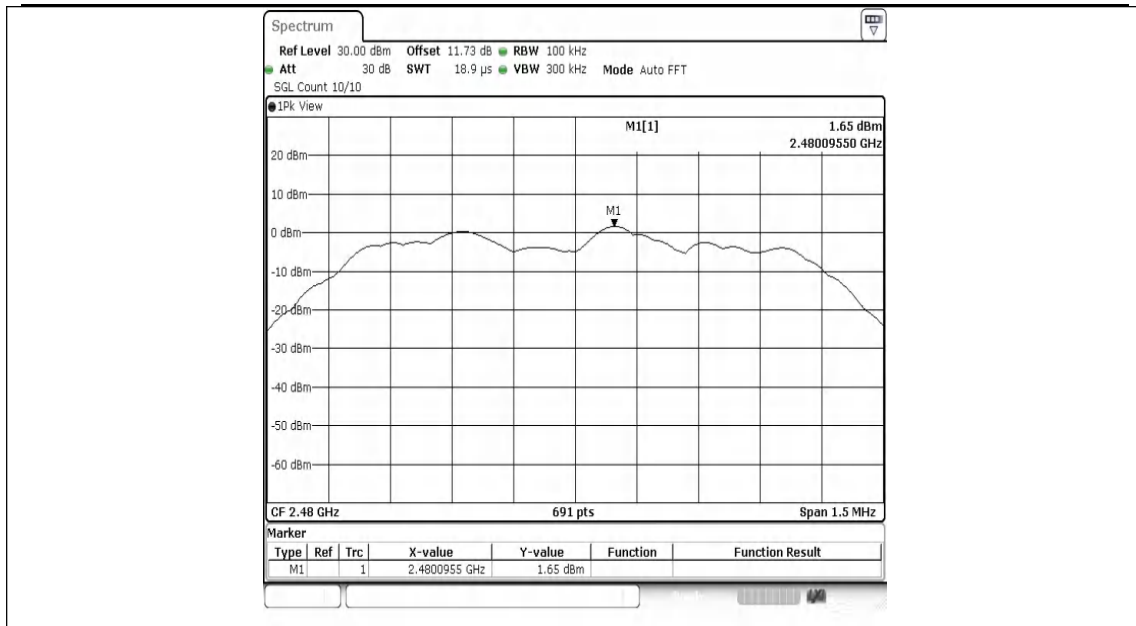
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

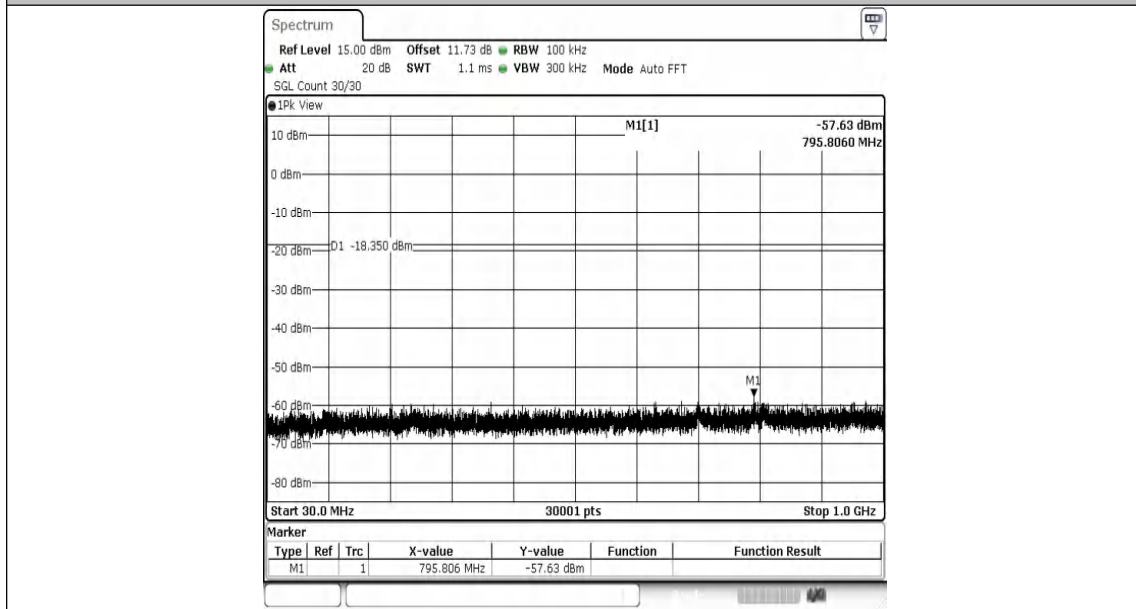
Hotline
400-003-0500
www.anbotek.com





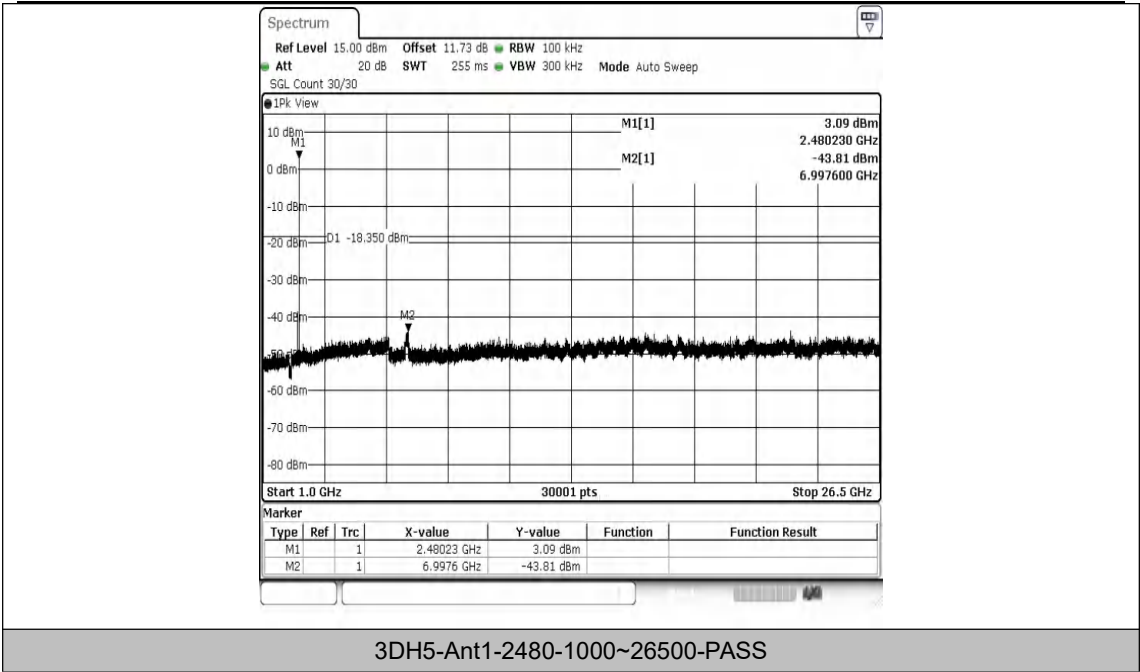


3DH5-Ant1-2480-0~Reference-PASS



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	3.76	76.86	1.14
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
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	3.76	77.13	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

