

Appendix Test Data

Report No.:	1812C50417812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.9°C	Relative Humidity:	54%
Pressure:	101kPa		

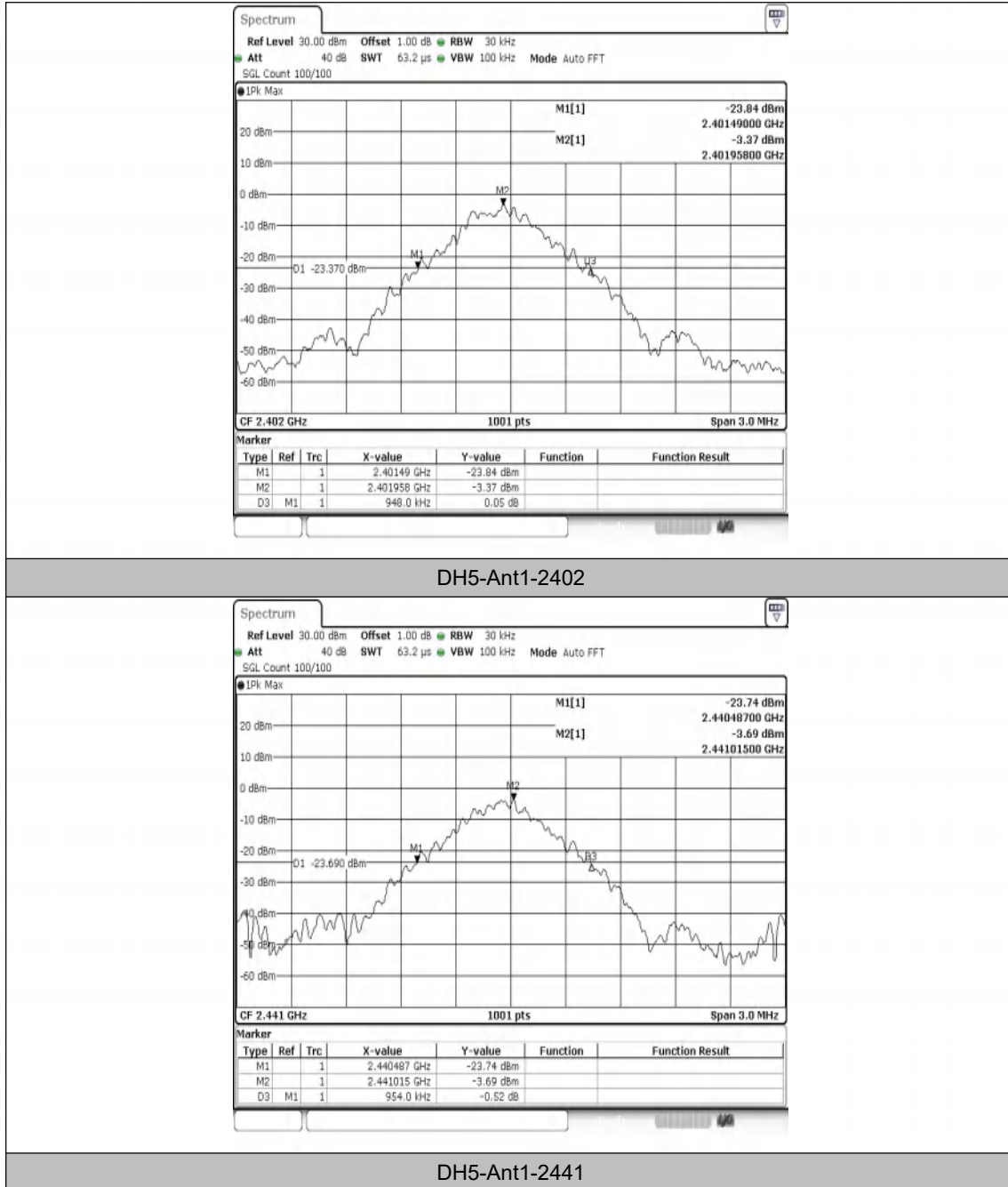


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.49	2402.44	---	---
DH5	Ant1	2441	0.95	2440.49	2441.44	---	---
DH5	Ant1	2480	0.95	2479.49	2480.43	---	---
2DH5	Ant1	2402	1.29	2401.32	2402.61	---	---
2DH5	Ant1	2441	1.26	2440.34	2441.60	---	---
2DH5	Ant1	2480	1.27	2479.33	2480.60	---	---
3DH5	Ant1	2402	1.30	2401.31	2402.60	---	---
3DH5	Ant1	2441	1.27	2440.32	2441.59	---	---
3DH5	Ant1	2480	1.33	2479.28	2480.61	---	---

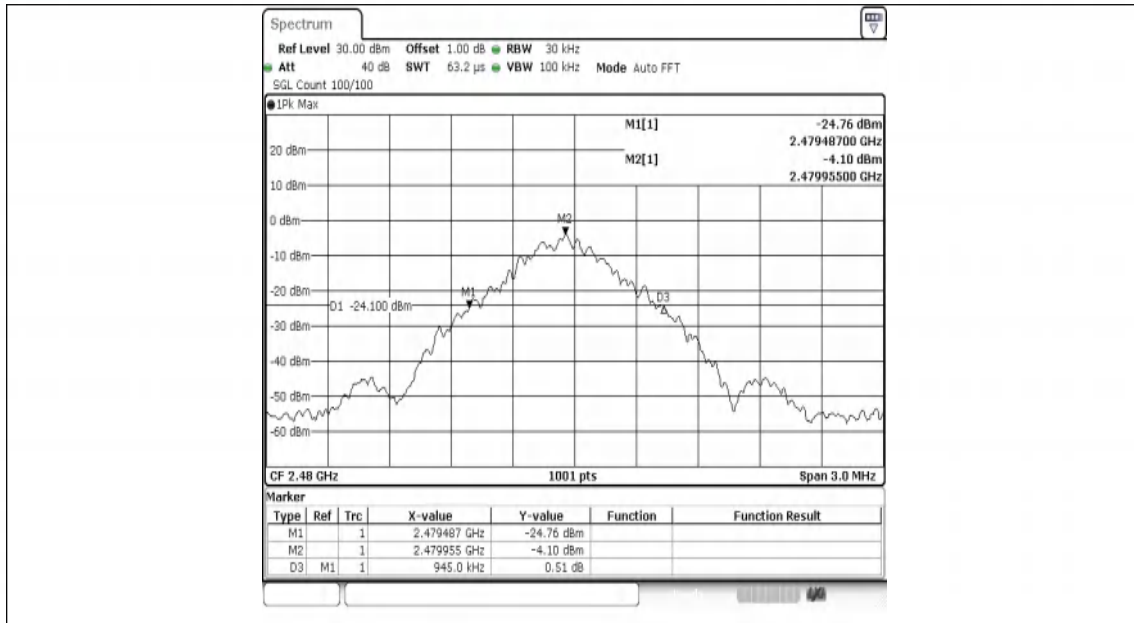
Test Graphs



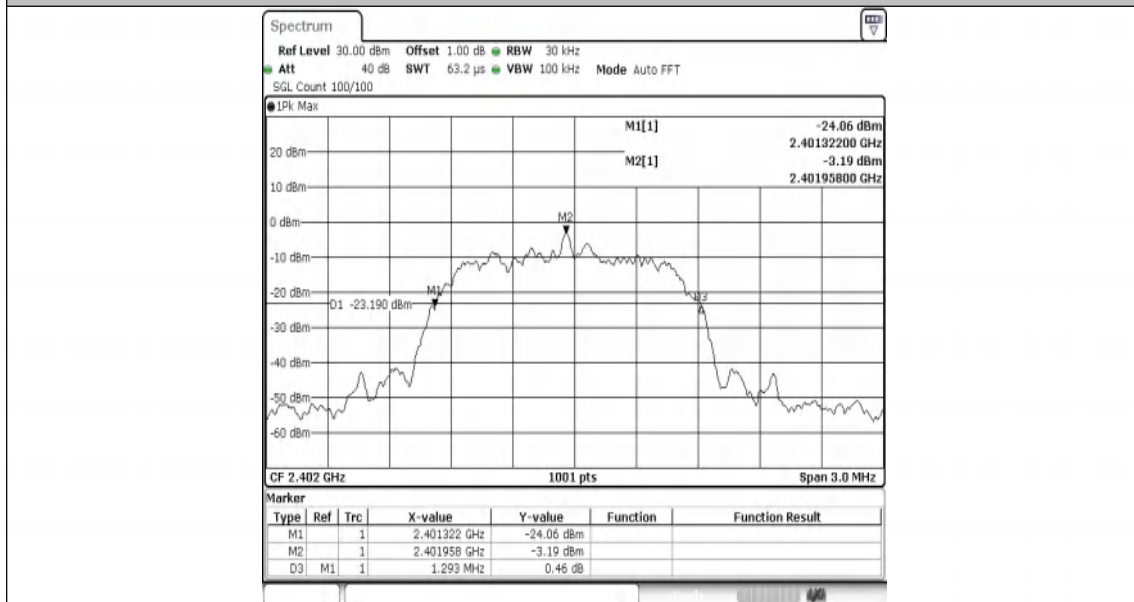
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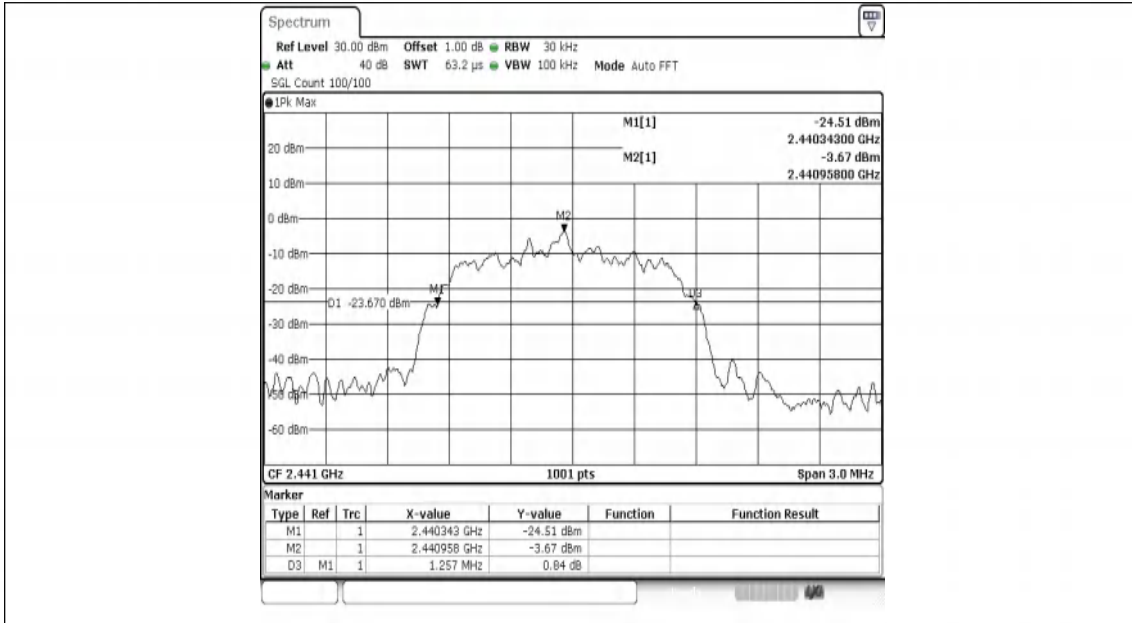
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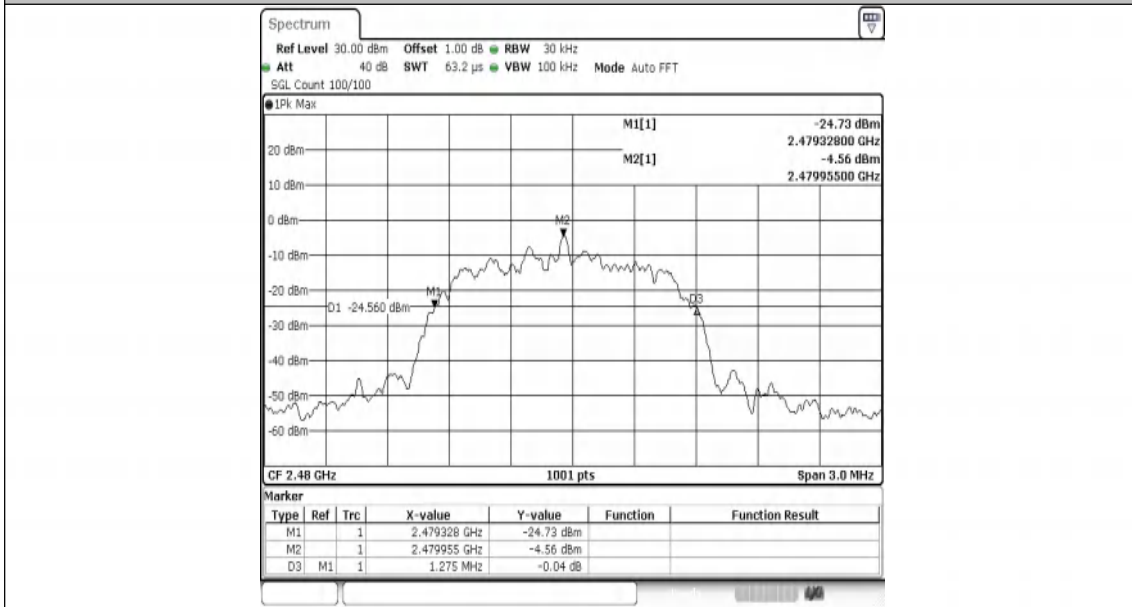
DH5-Ant1-2480



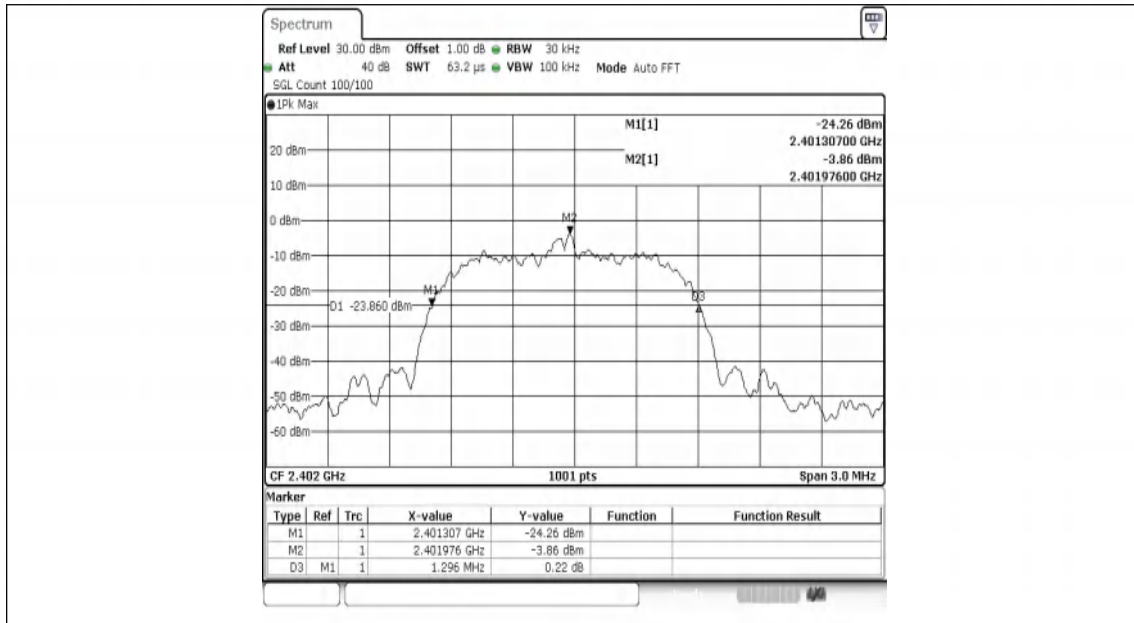
2DH5-Ant1-2402



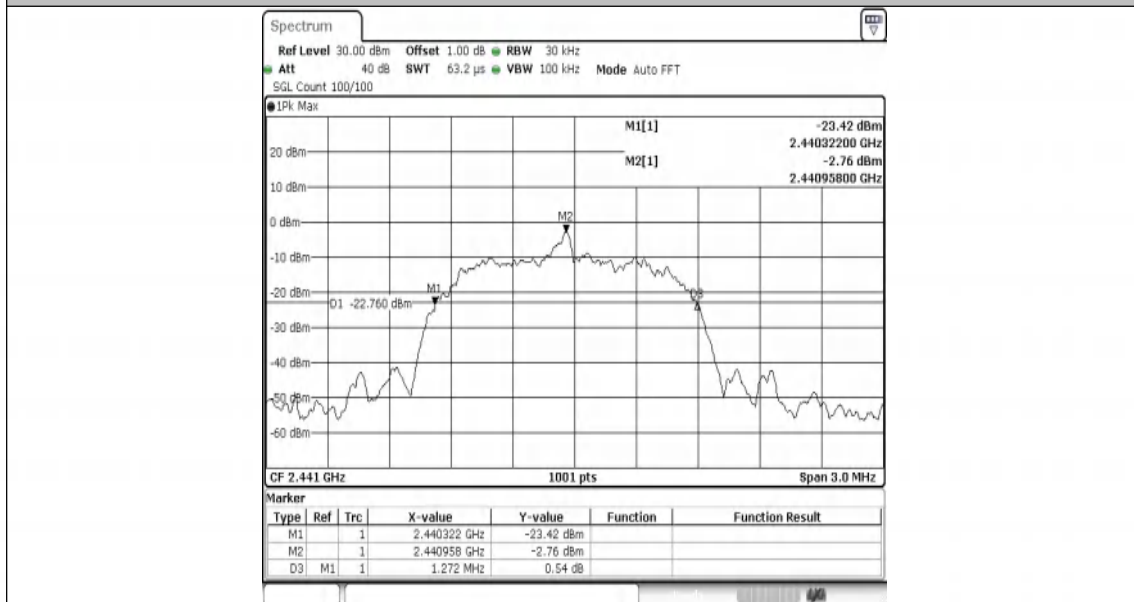
2DH5-Ant1-2441



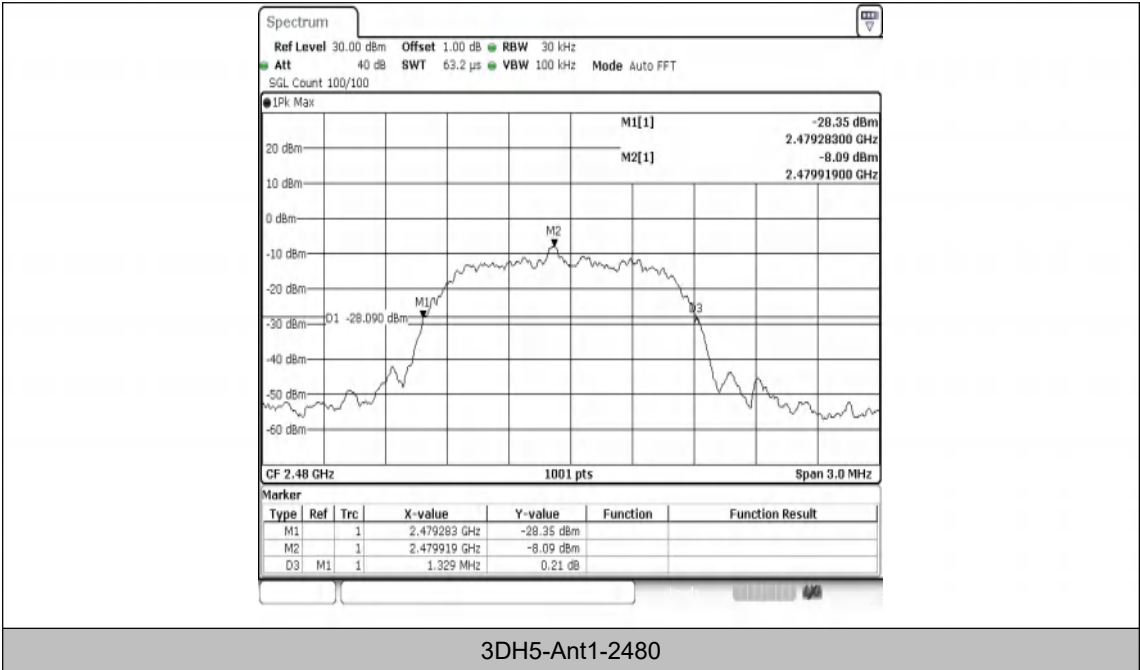
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



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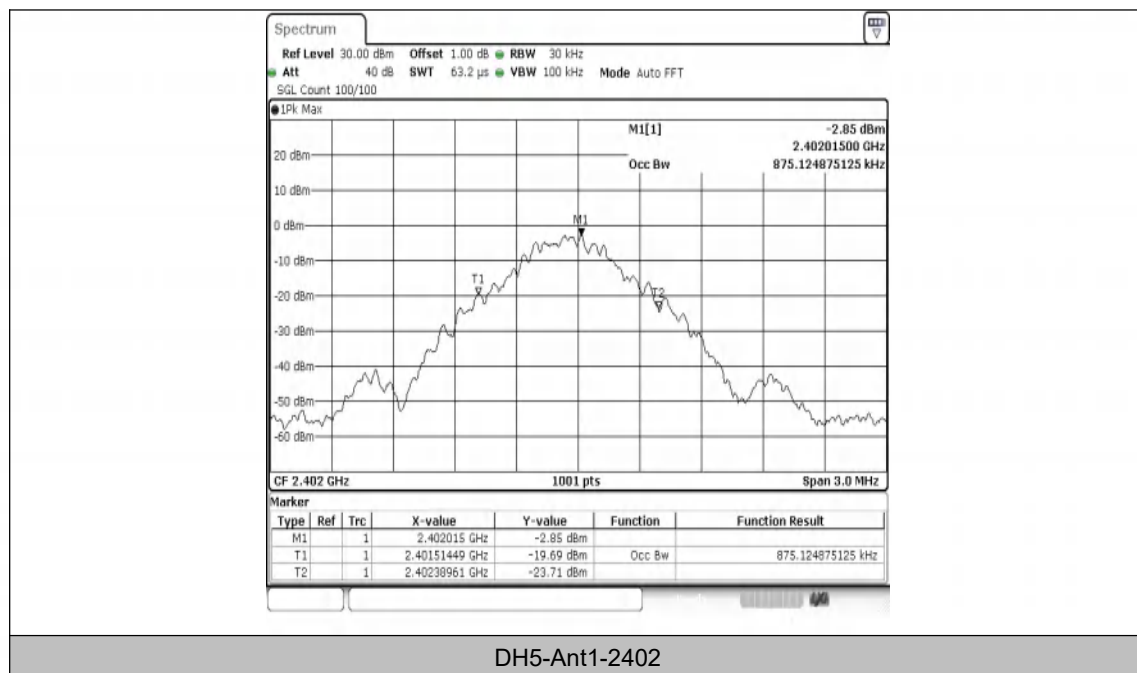
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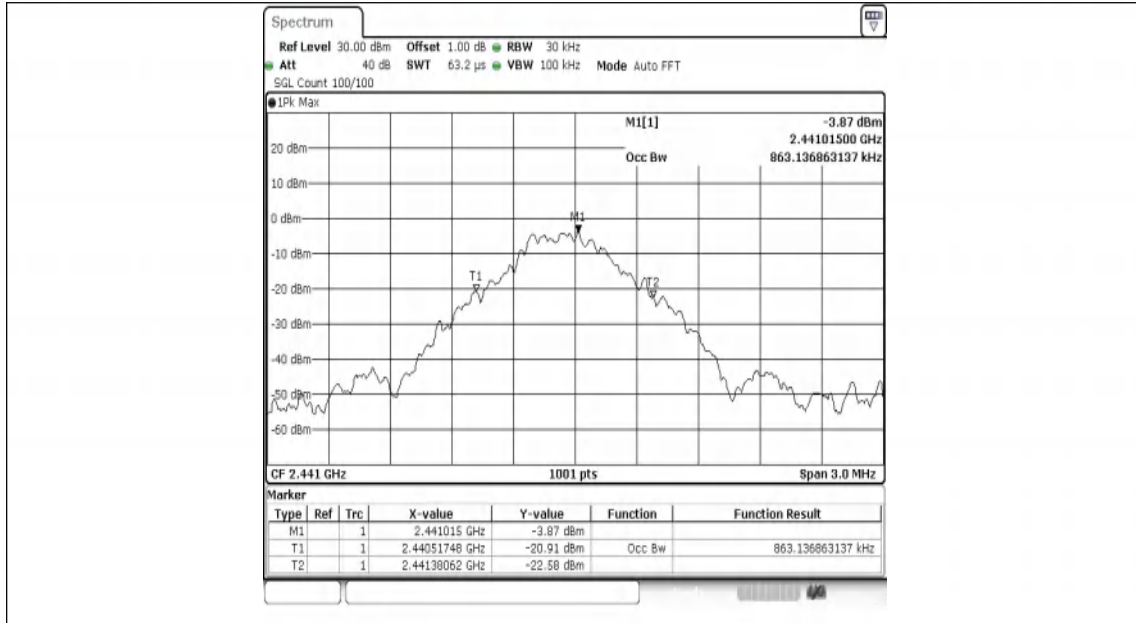
Appendix B: 99% Occupied Bandwidth

Test Result

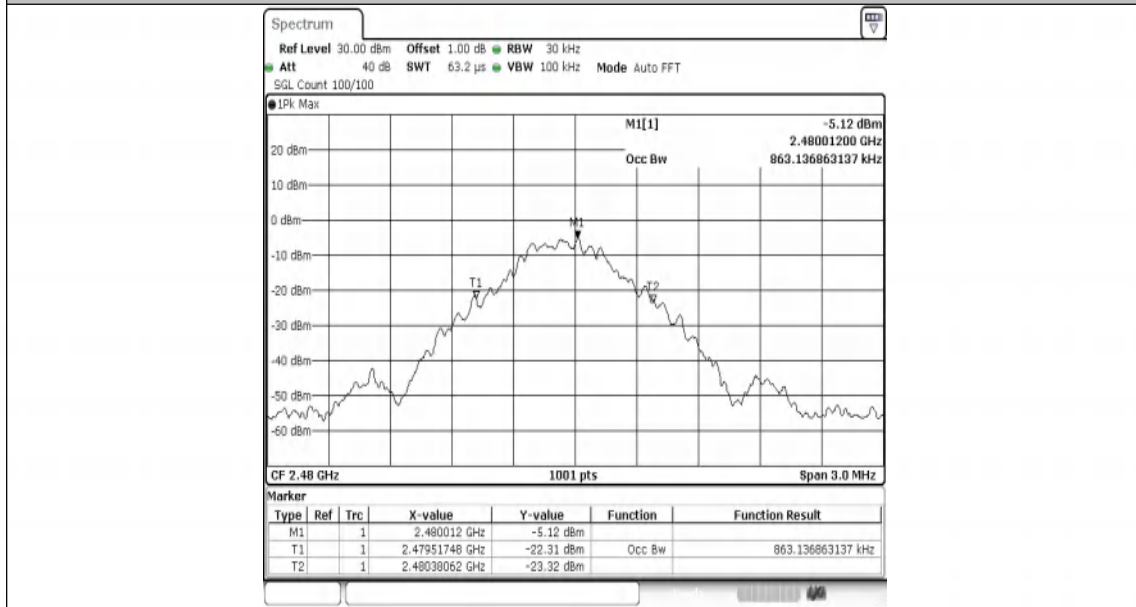
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87512	2401.5145	2402.3896	---	---
DH5	Ant1	2441	0.86314	2440.5175	2441.3806	---	---
DH5	Ant1	2480	0.86314	2479.5175	2480.3806	---	---
2DH5	Ant1	2402	1.1658	2401.3706	2402.5365	---	---
2DH5	Ant1	2441	1.1868	2440.3616	2441.5485	---	---
2DH5	Ant1	2480	1.1688	2479.3676	2480.5365	---	---
3DH5	Ant1	2402	1.1958	2401.3586	2402.5544	---	---
3DH5	Ant1	2441	1.1808	2440.3676	2441.5485	---	---
3DH5	Ant1	2480	1.1988	2479.3526	2480.5514	---	---

Test Graphs

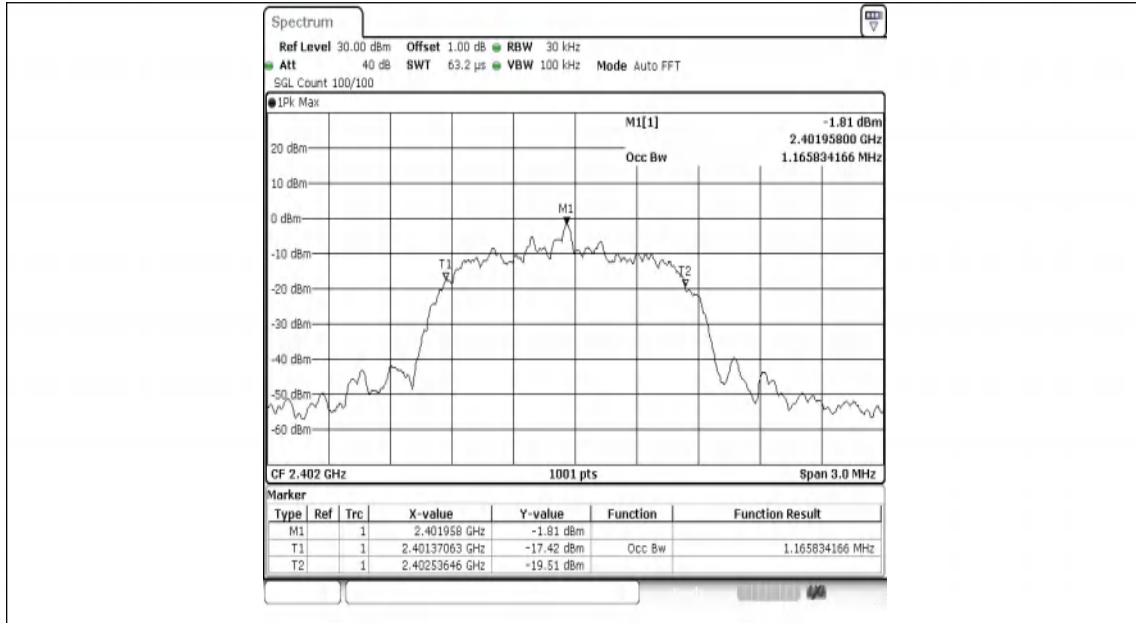




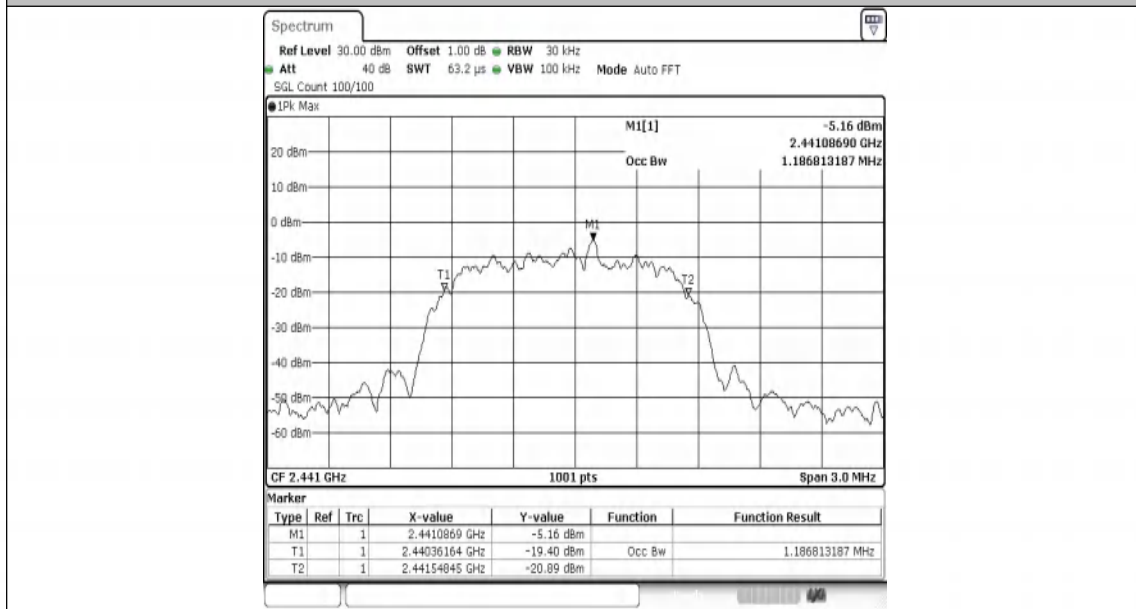
DH5-Ant1-2441



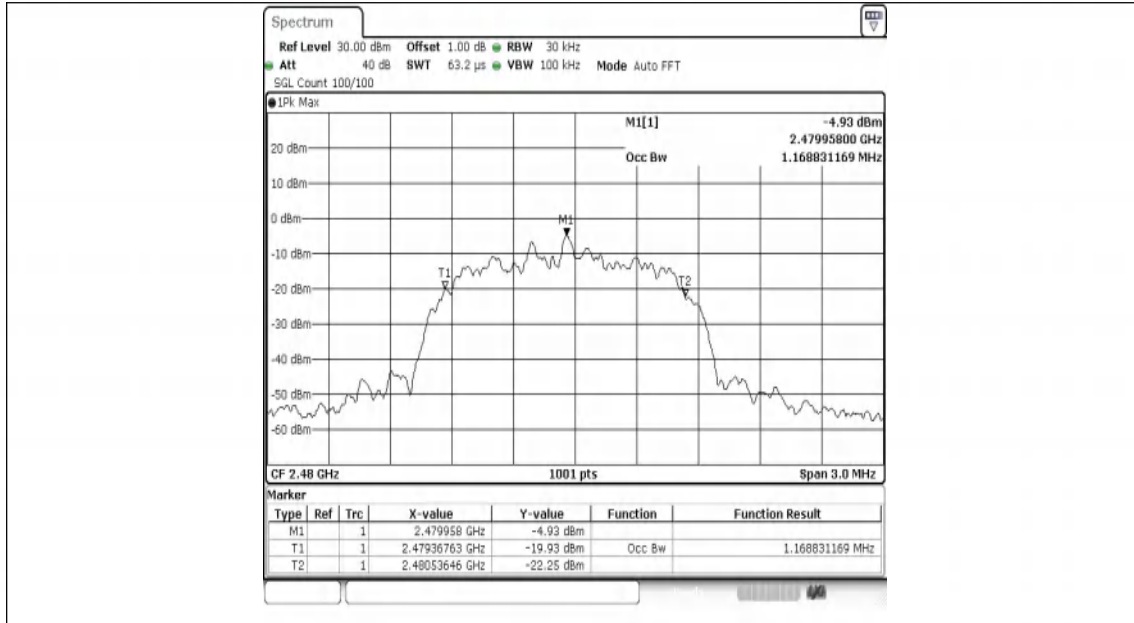
DH5-Ant1-2480



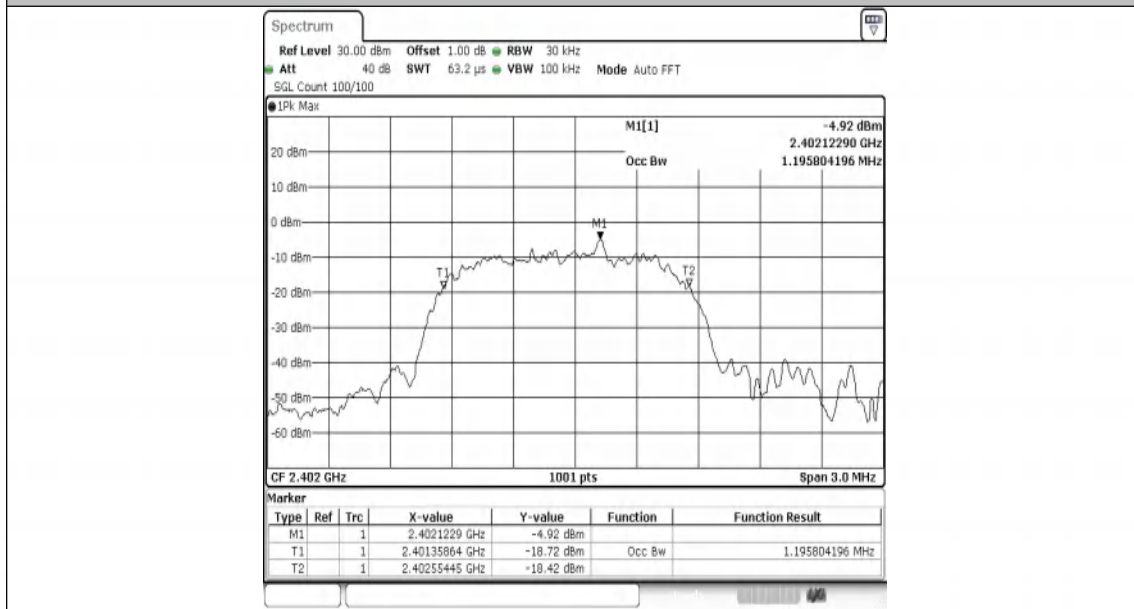
2DH5-Ant1-2402



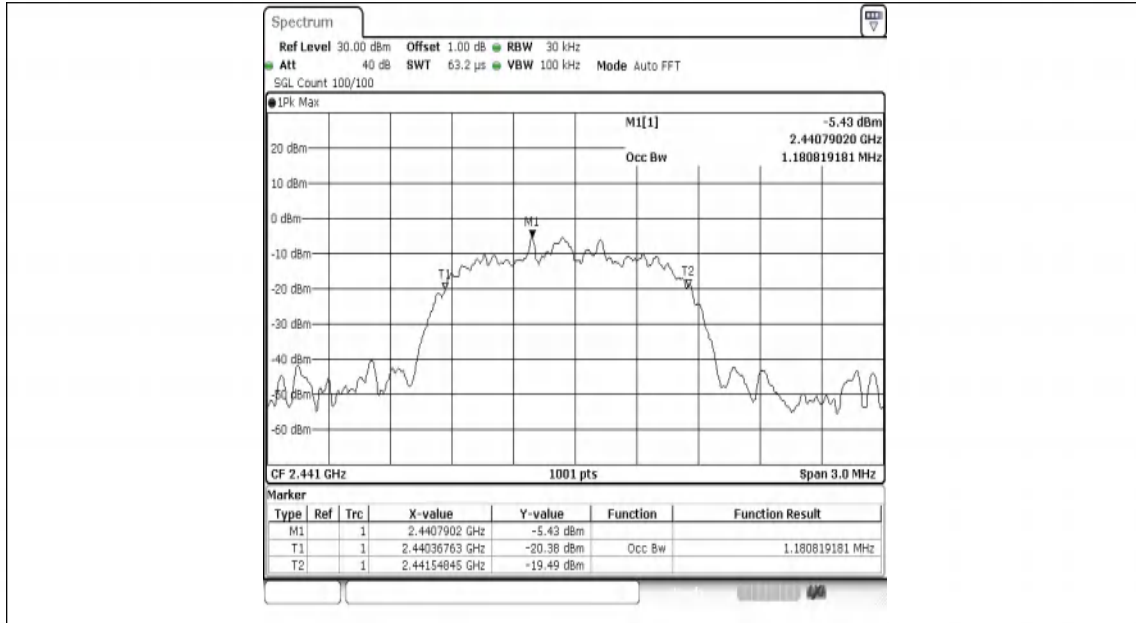
2DH5-Ant1-2441



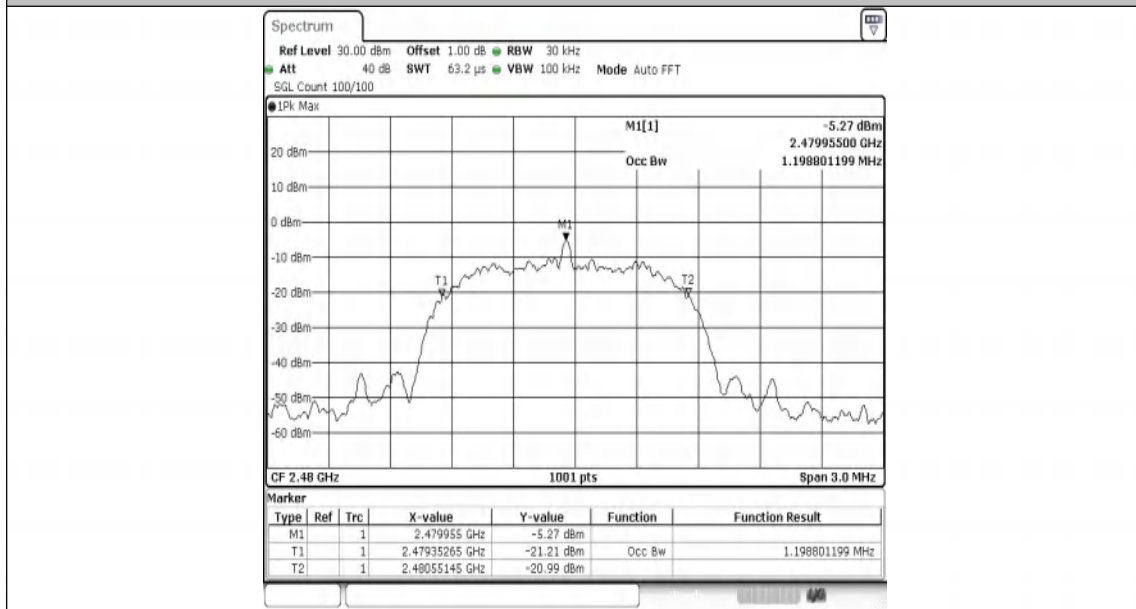
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



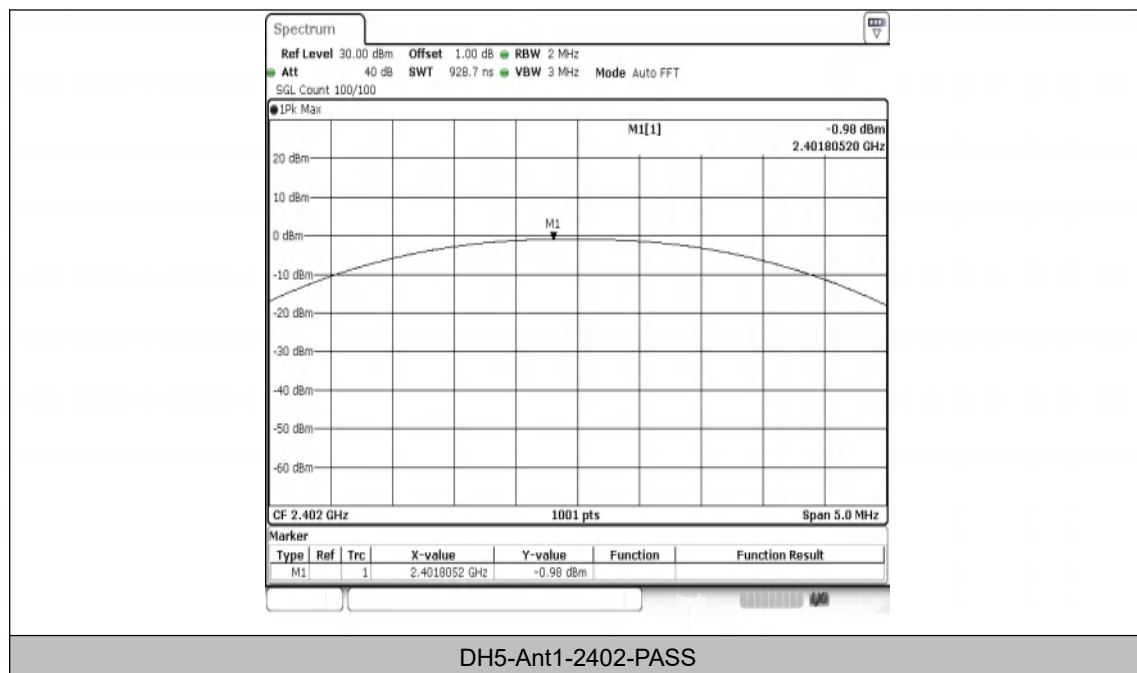
3DH5-Ant1-2480

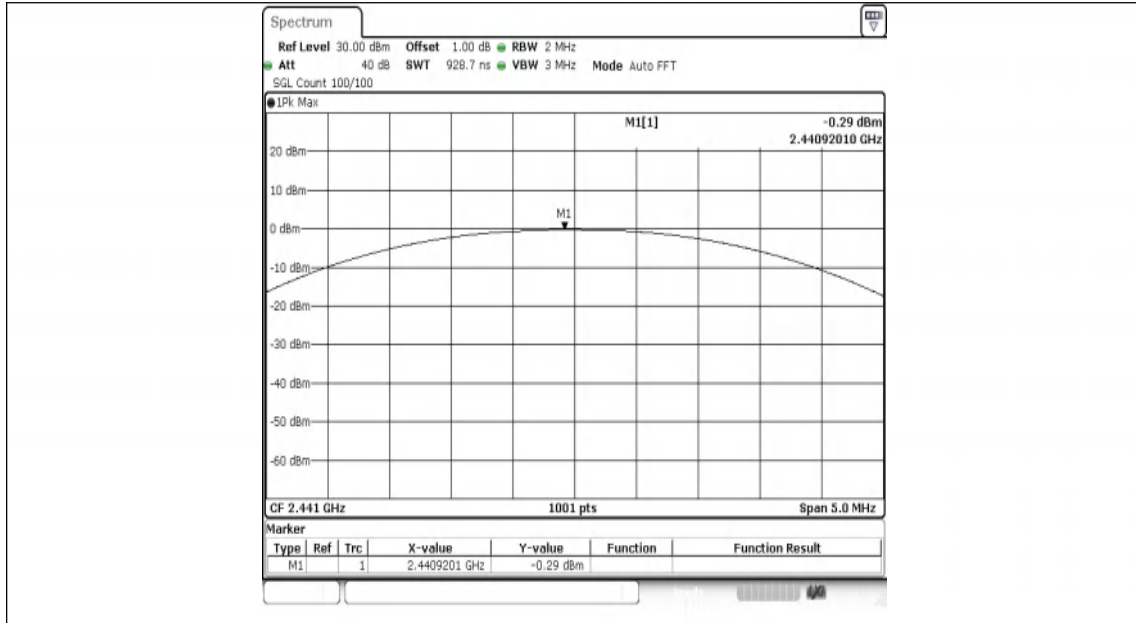
Appendix C: Maximum Conducted Output Power

Test Result Peak

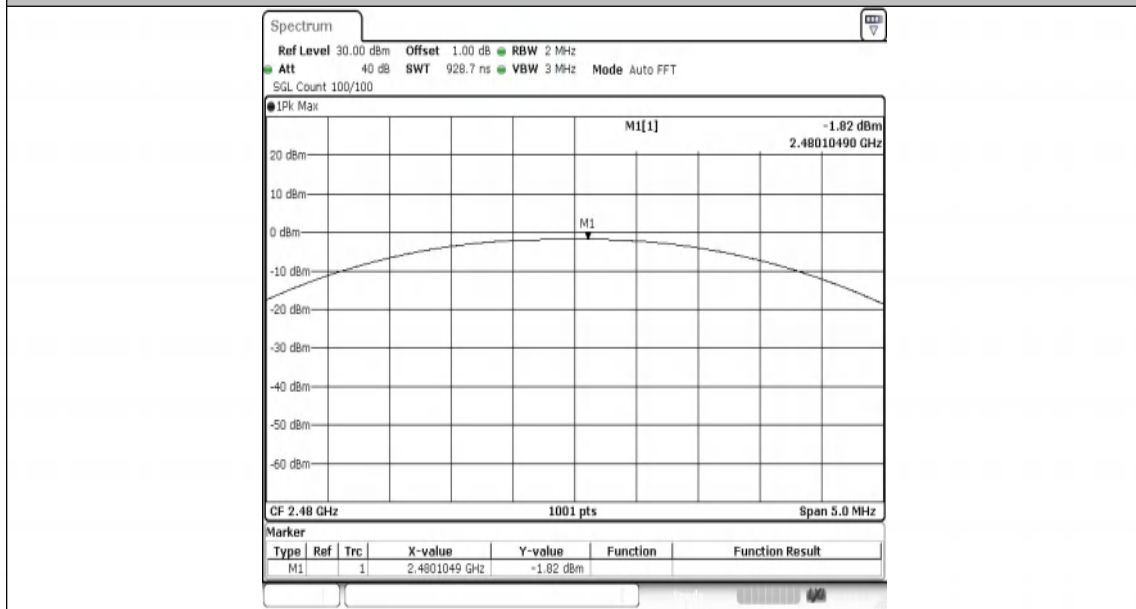
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.98	≤20.97	PASS
DH5	Ant1	2441	-0.29	≤20.97	PASS
DH5	Ant1	2480	-1.82	≤20.97	PASS
2DH5	Ant1	2402	1.00	≤20.97	PASS
2DH5	Ant1	2441	-0.02	≤20.97	PASS
2DH5	Ant1	2480	-1.59	≤20.97	PASS
3DH5	Ant1	2402	1.01	≤20.97	PASS
3DH5	Ant1	2441	0.34	≤20.97	PASS
3DH5	Ant1	2480	-1.71	≤20.97	PASS

Test Graphs

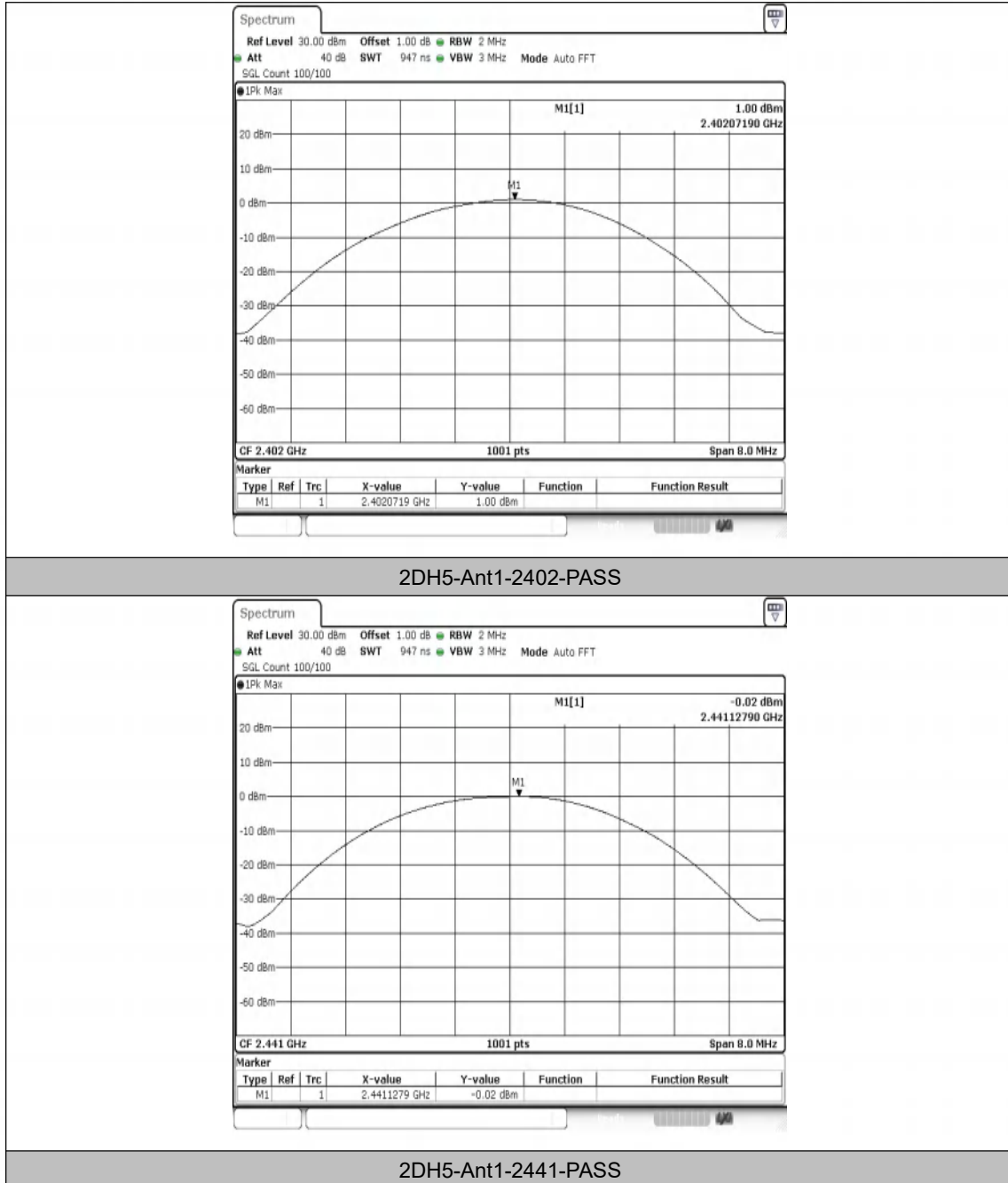


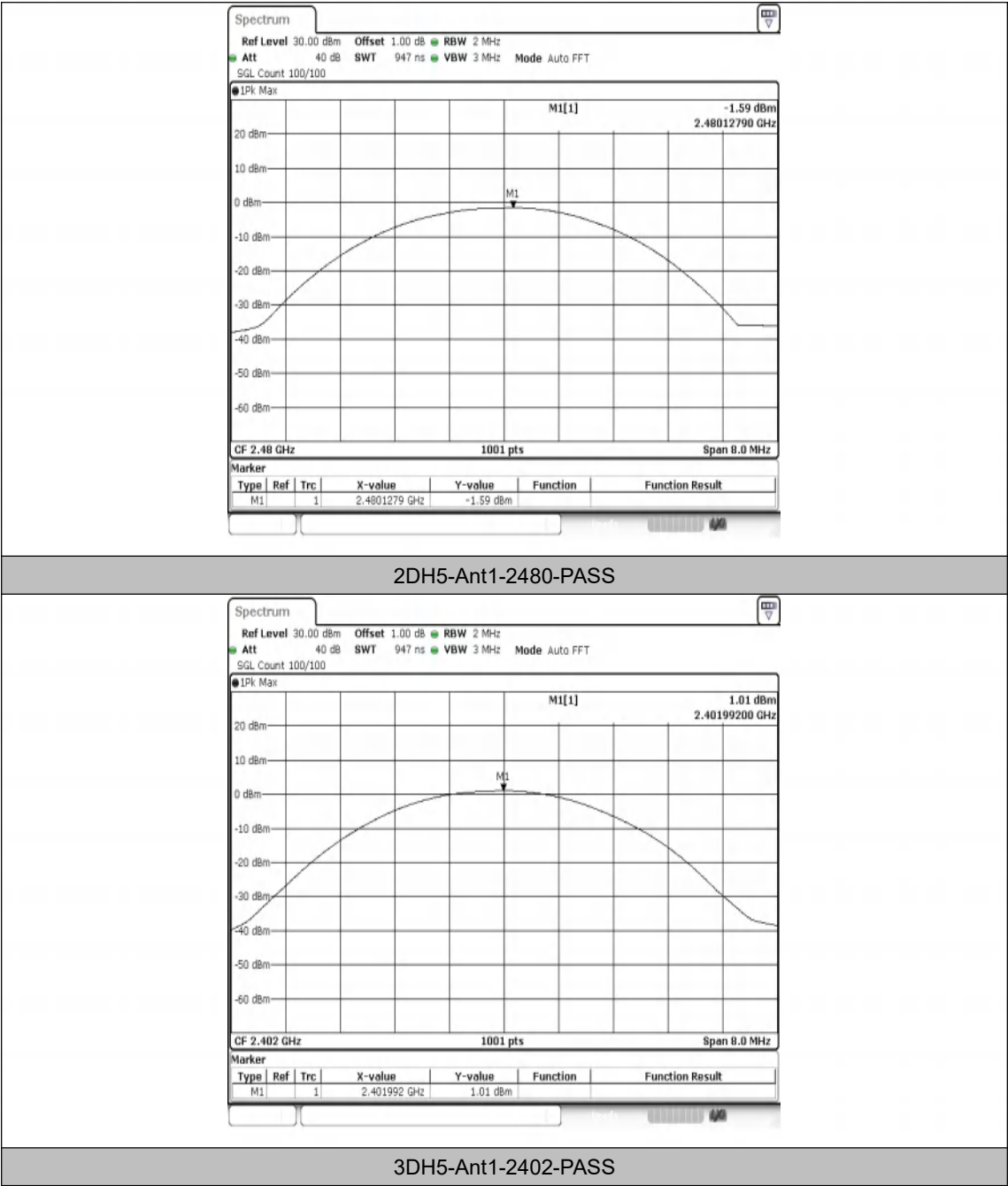


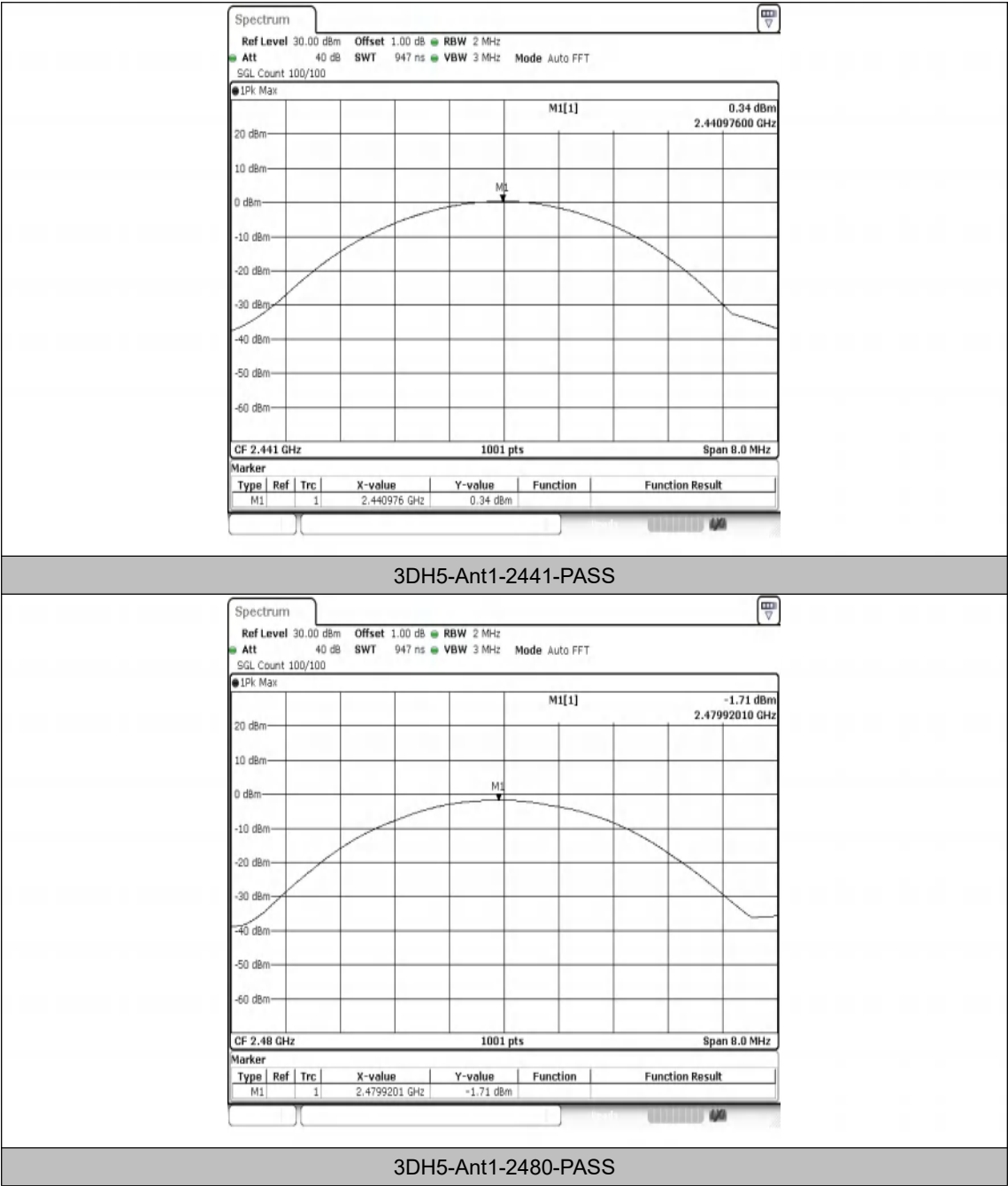
DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS





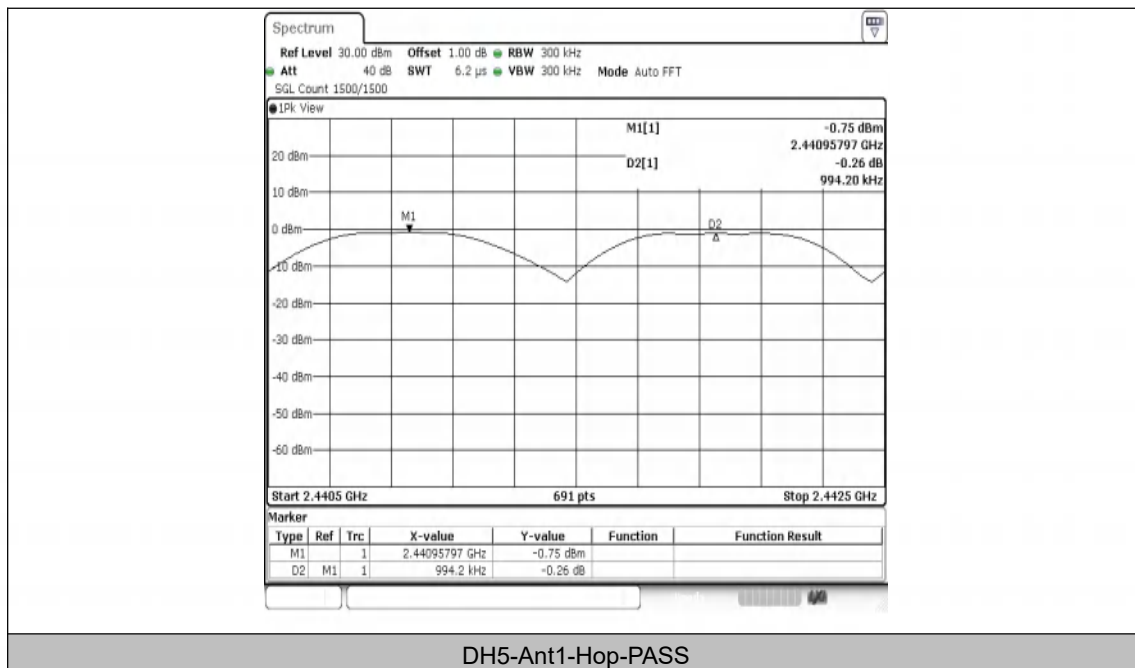


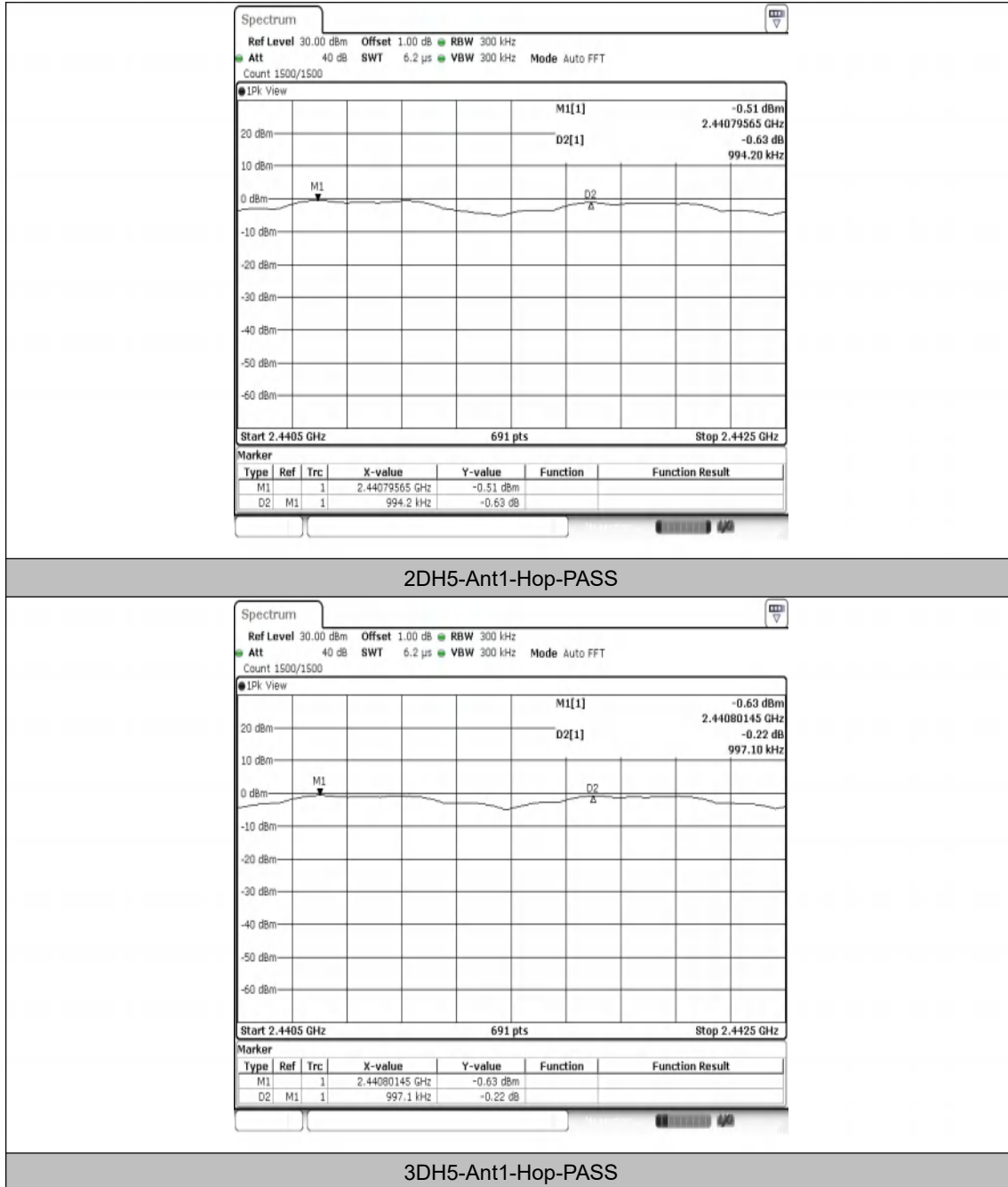
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.633	PASS
2DH5	Ant1	Hop	0.994	≥0.860	PASS
3DH5	Ant1	Hop	0.997	≥0.887	PASS

Test Graphs



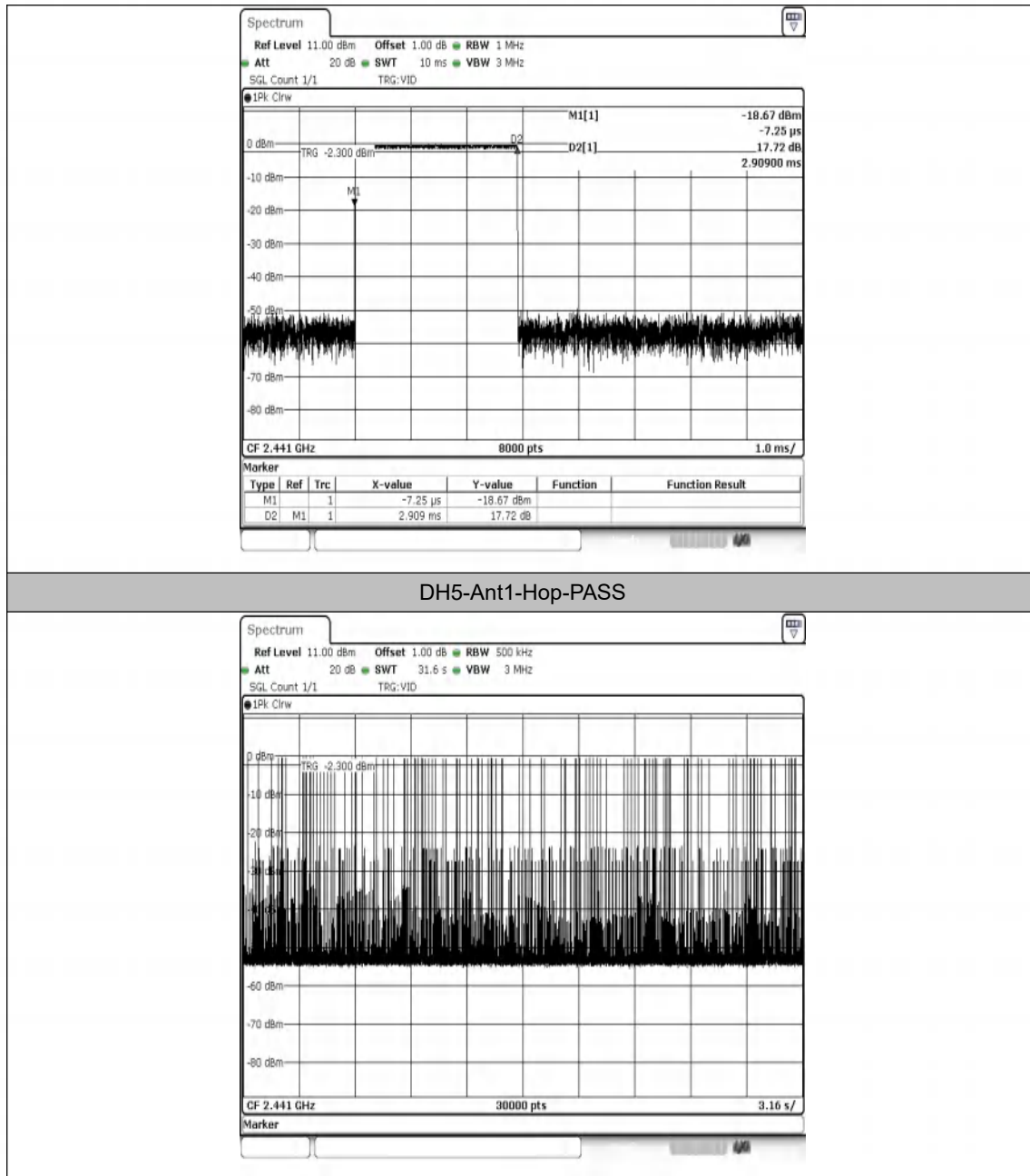


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.909	119	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.915	104	0.303	≤0.4	PASS
3DH5	Ant1	Hop	2.919	117	0.342	≤0.4	PASS

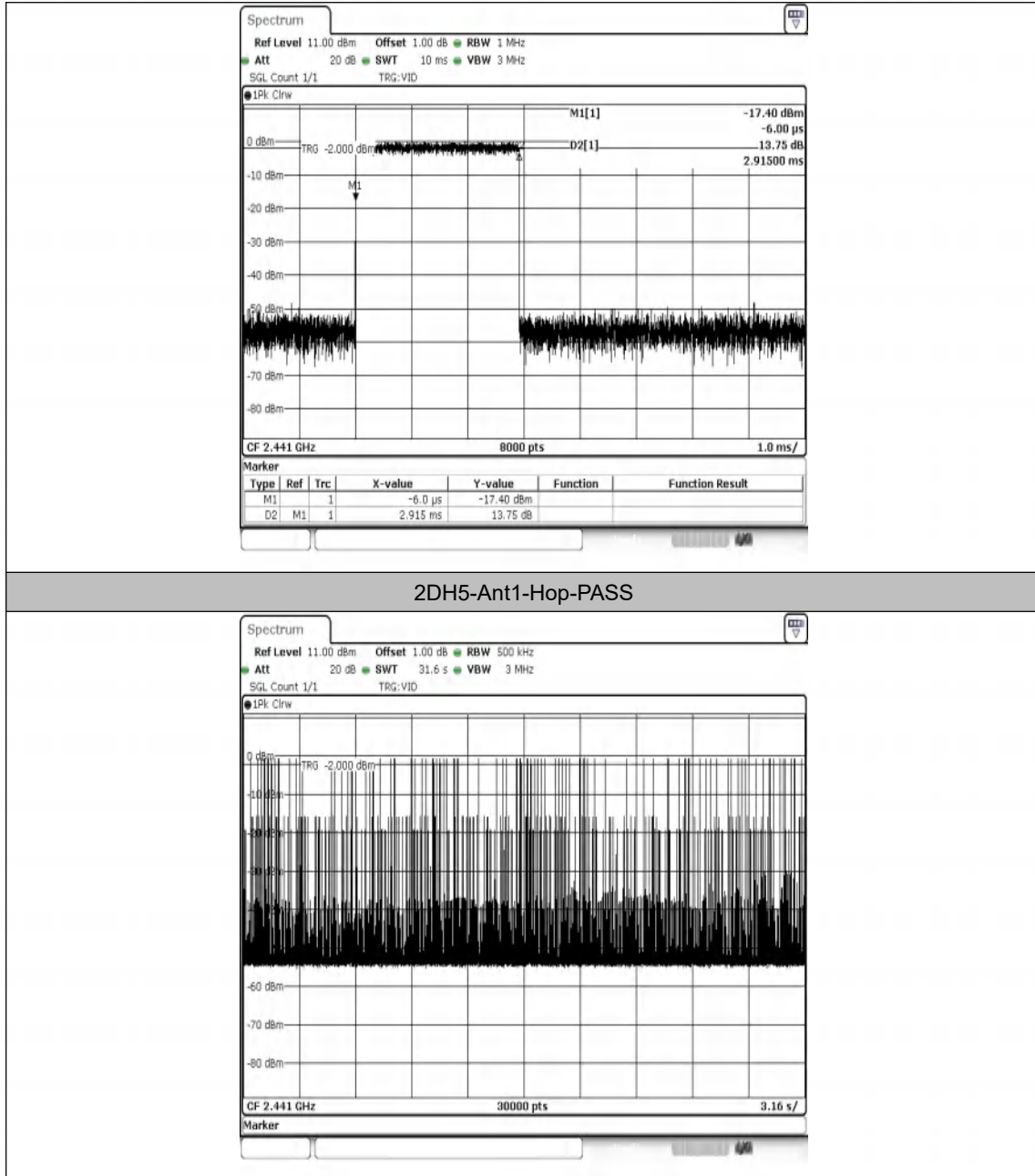
Test Graphs



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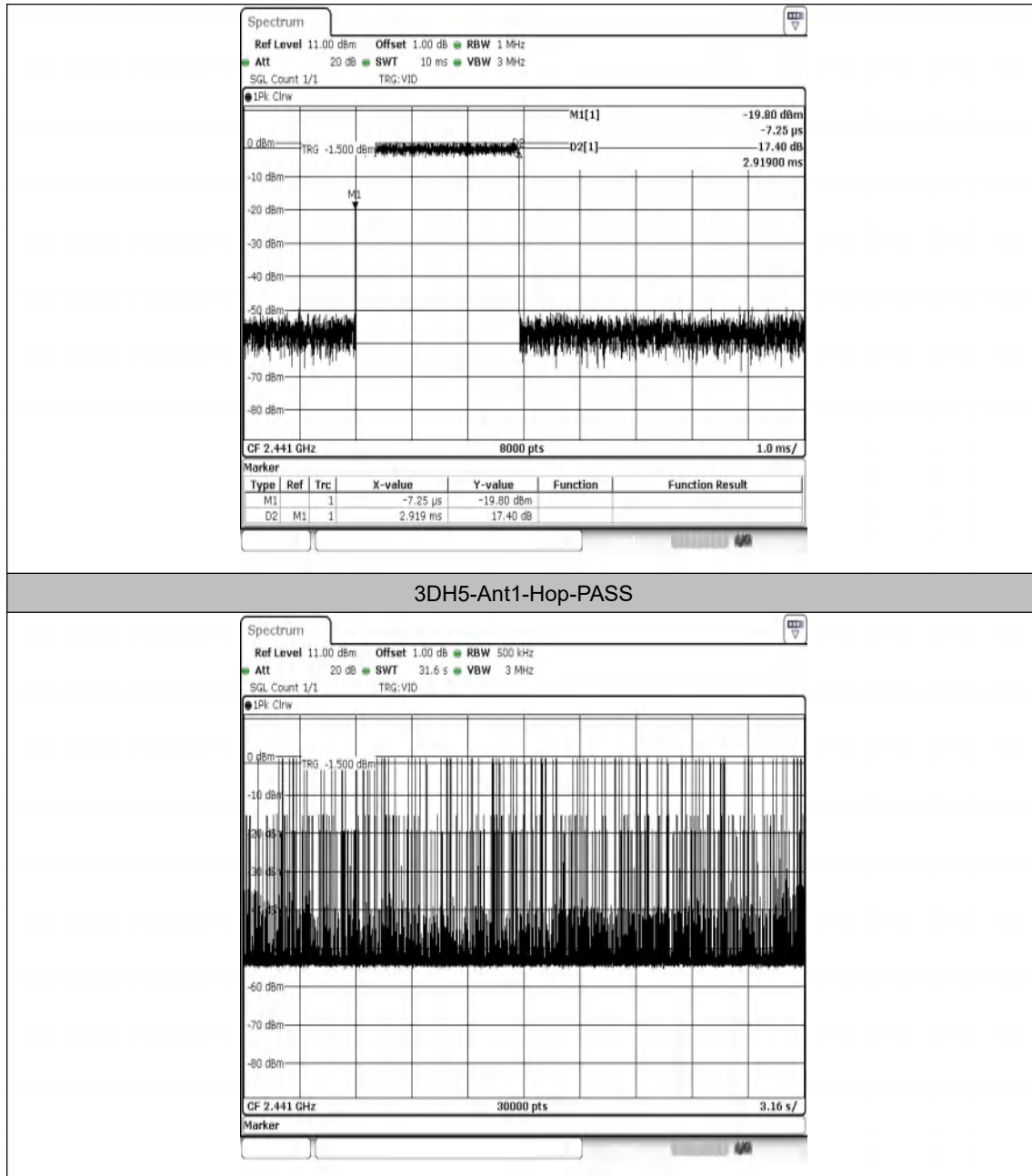
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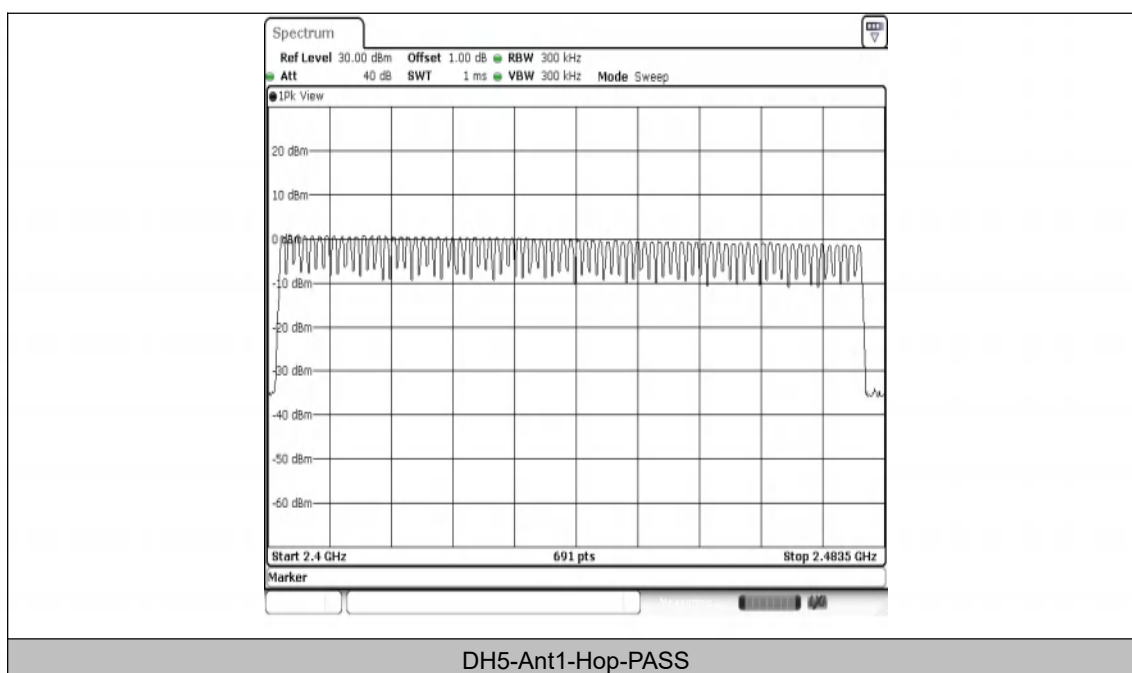
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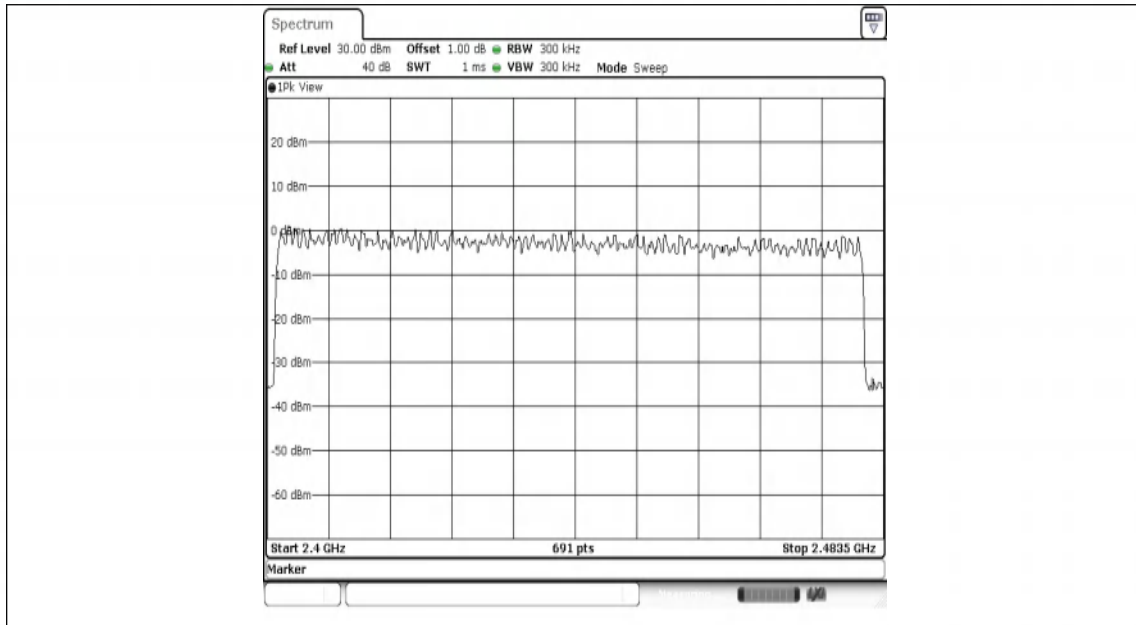
Appendix F: Number of Hopping Channel

Test Result

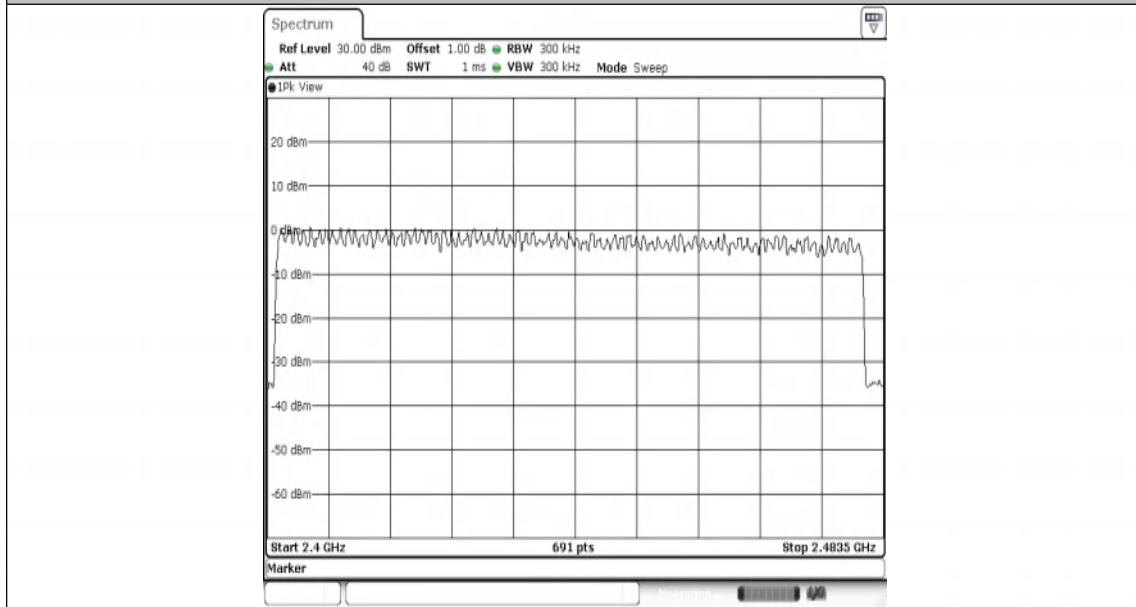
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs





2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

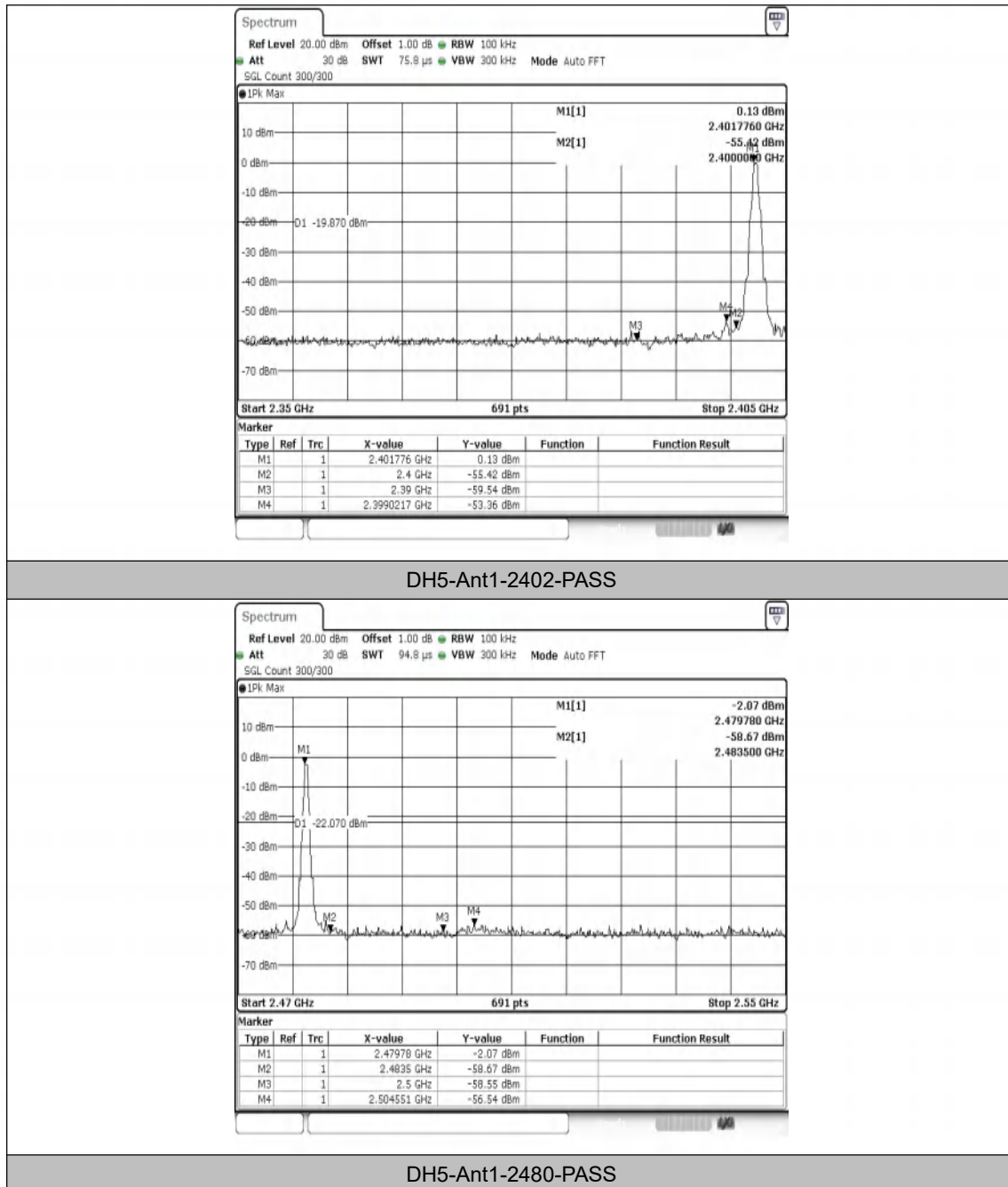
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.13	-53.36	≤-19.87	PASS
DH5	Ant1	High	2480	-2.07	-56.54	≤-22.07	PASS
DH5	Ant1	Low	Hop_2402	-0.73	-55.41	≤-20.73	PASS
DH5	Ant1	High	Hop_2480	-2.39	-56.11	≤-22.39	PASS
2DH5	Ant1	Low	2402	-0.04	-48.81	≤-20.04	PASS
2DH5	Ant1	High	2480	-3.02	-56.35	≤-23.02	PASS
2DH5	Ant1	Low	Hop_2402	-1.71	-55.12	≤-21.71	PASS
2DH5	Ant1	High	Hop_2480	-2.23	-40.25	≤-22.23	PASS
3DH5	Ant1	Low	2402	-0.16	-51.01	≤-20.16	PASS
3DH5	Ant1	High	2480	-2.33	-56.25	≤-22.33	PASS
3DH5	Ant1	Low	Hop_2402	-3.44	-57.37	≤-23.44	PASS
3DH5	Ant1	High	Hop_2480	-5.09	-56.23	≤-25.09	PASS

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

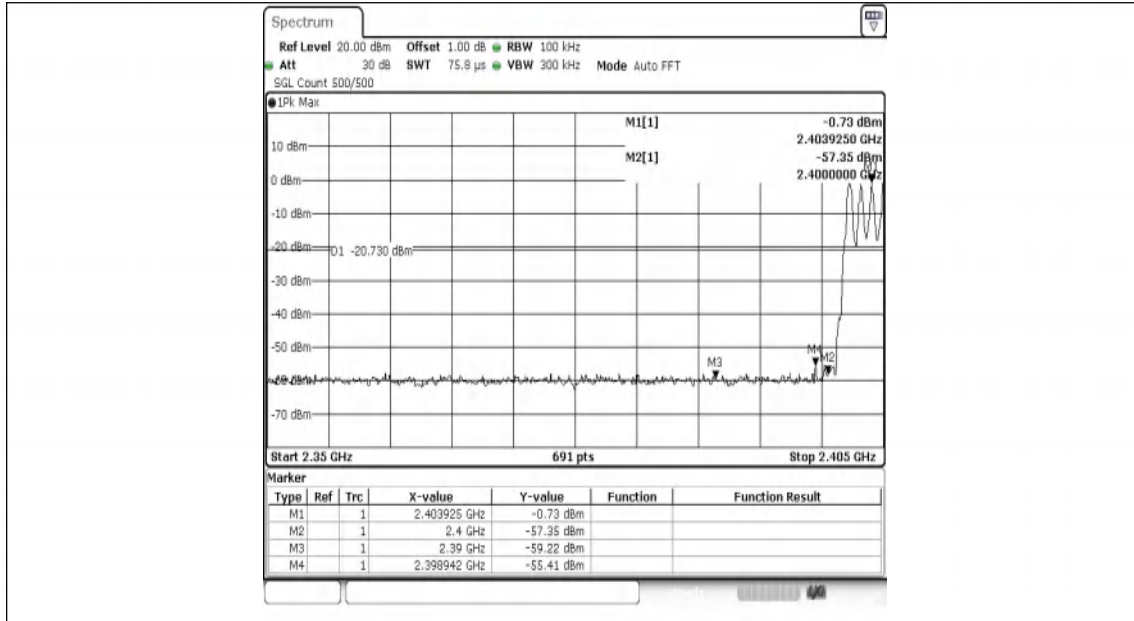
Test Graphs



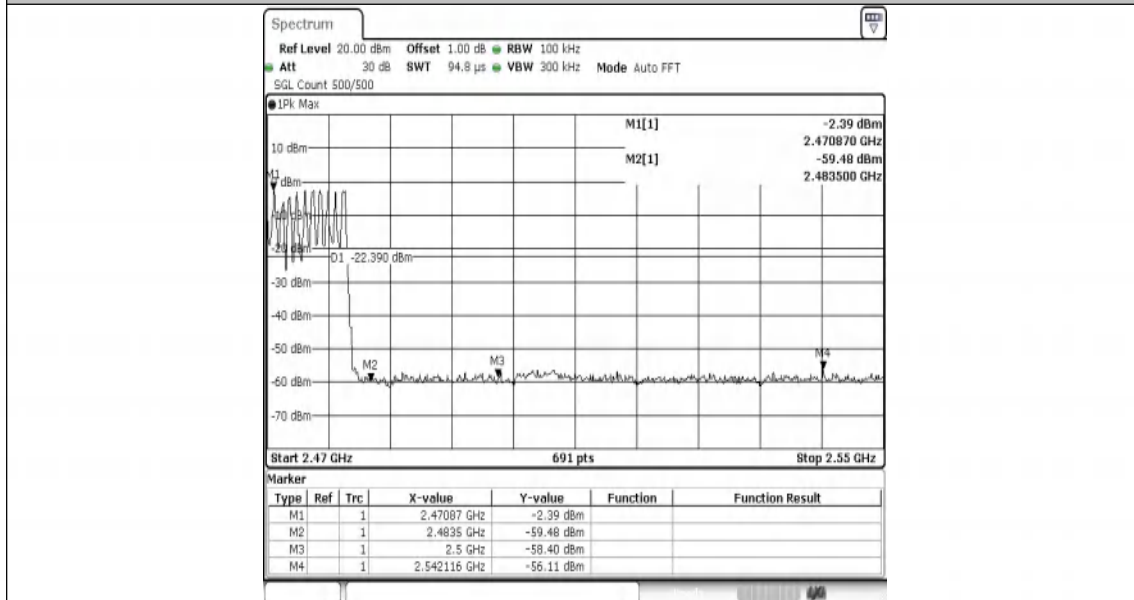
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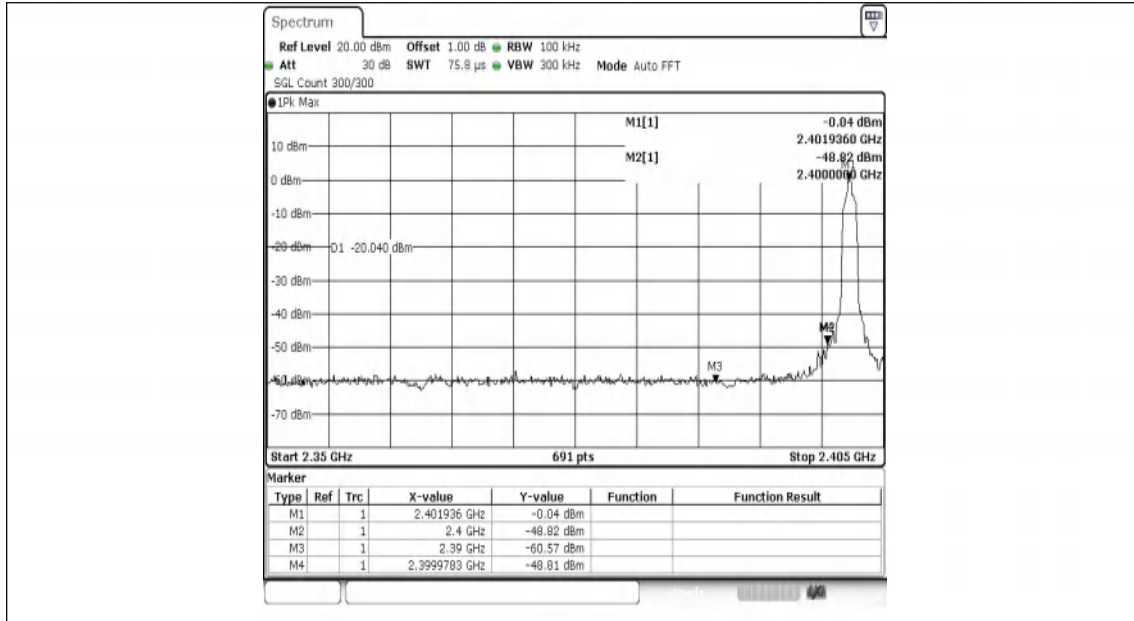
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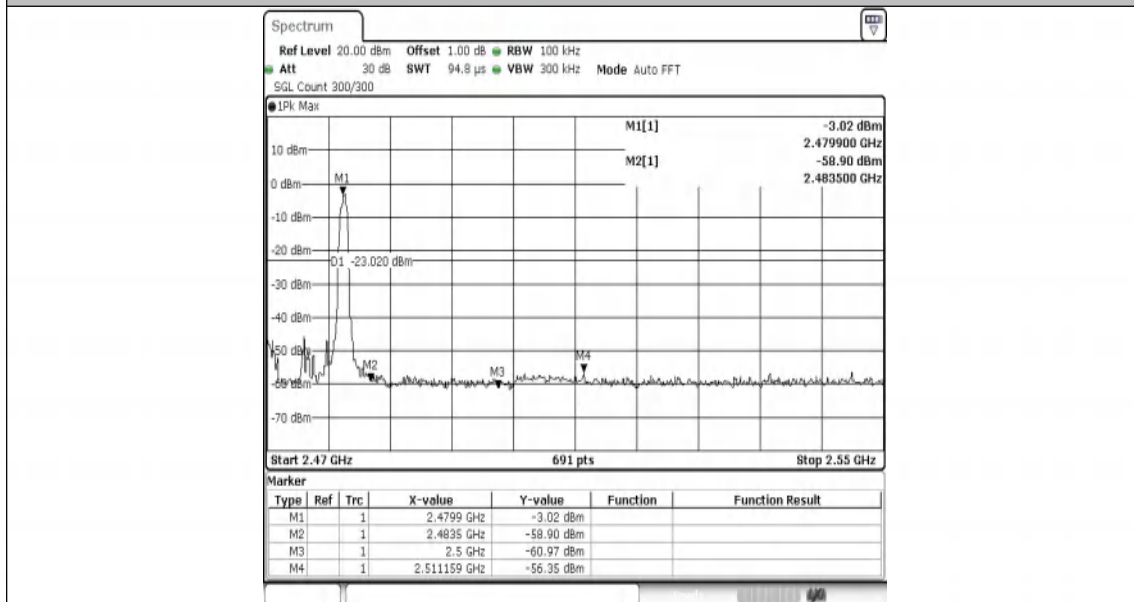
DH5-Ant1-Hop_2402-PASS



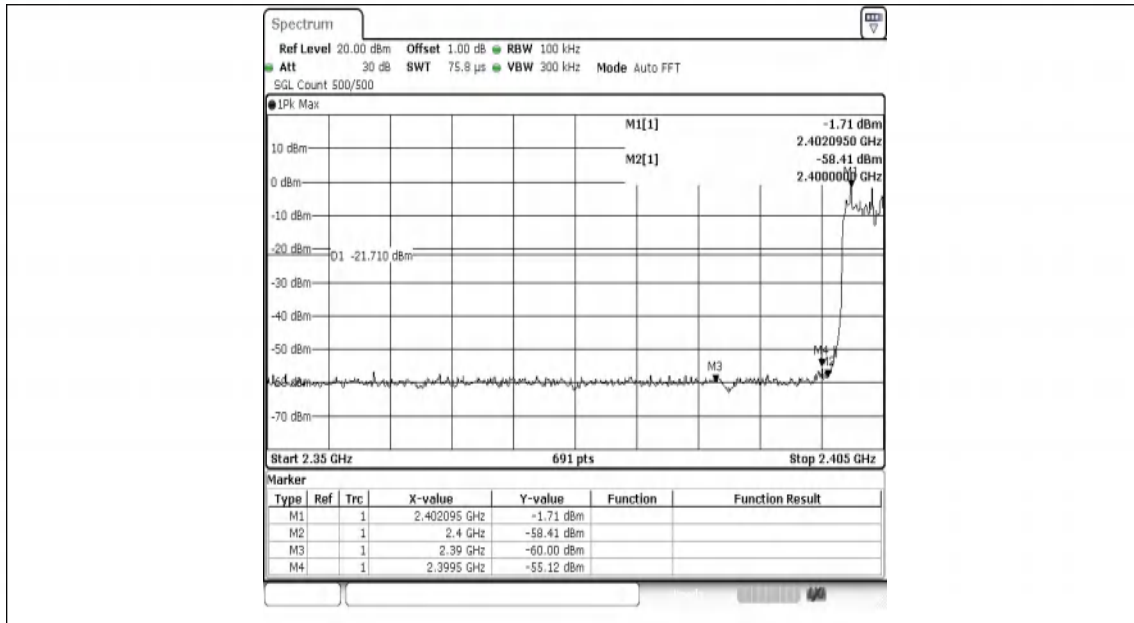
DH5-Ant1-Hop_2480-PASS



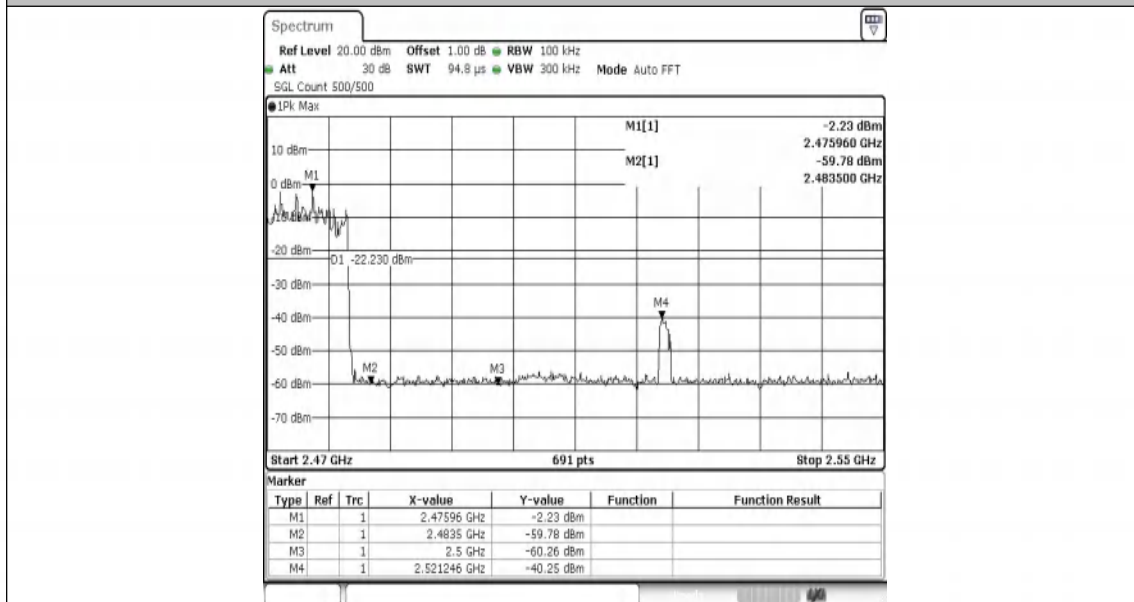
2DH5-Ant1-2402-PASS



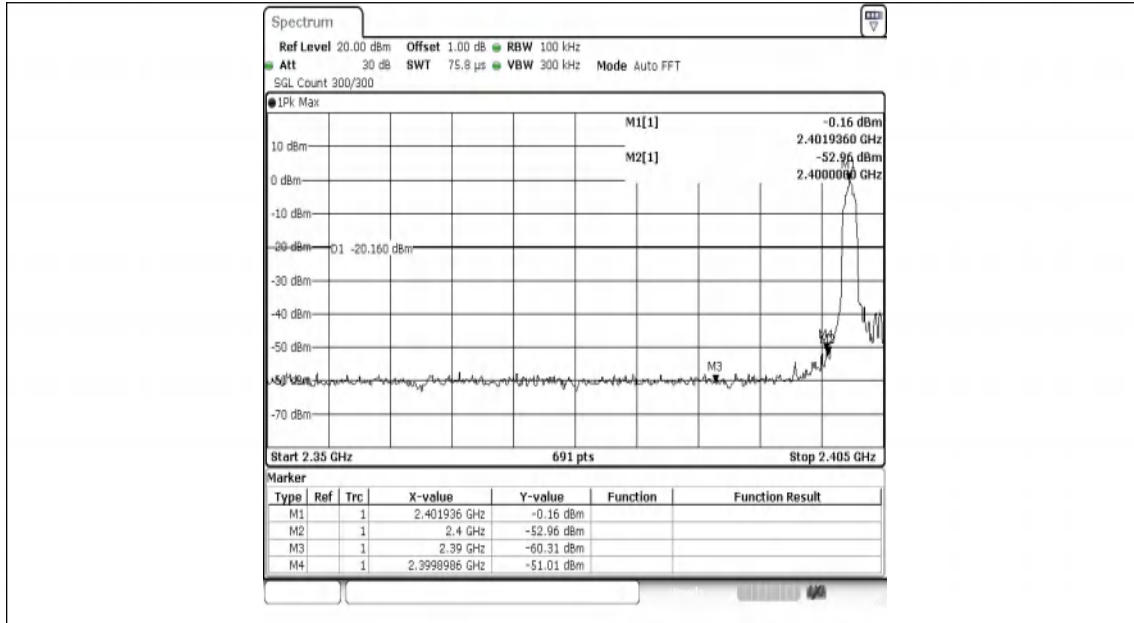
2DH5-Ant1-2480-PASS



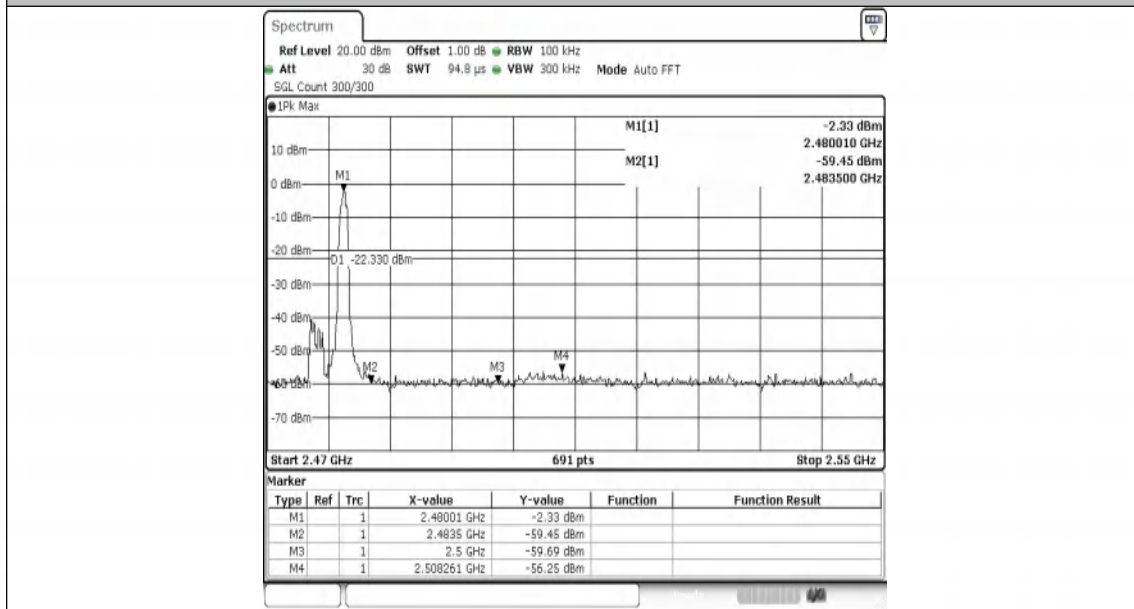
2DH5-Ant1-Hop_2402-PASS



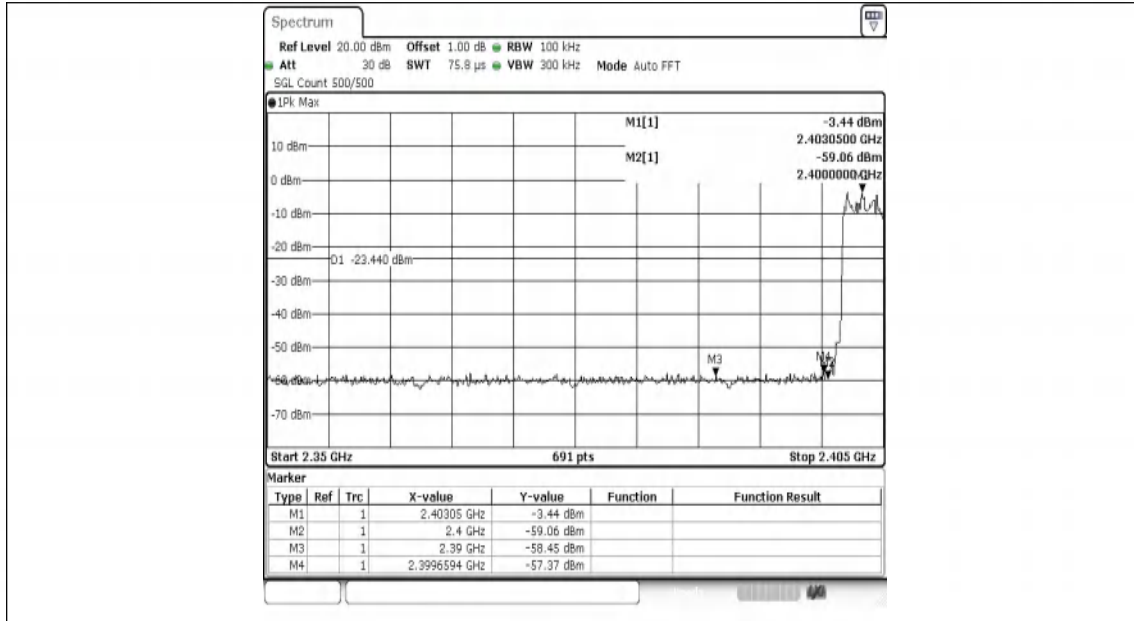
2DH5-Ant1-Hop_2480-PASS



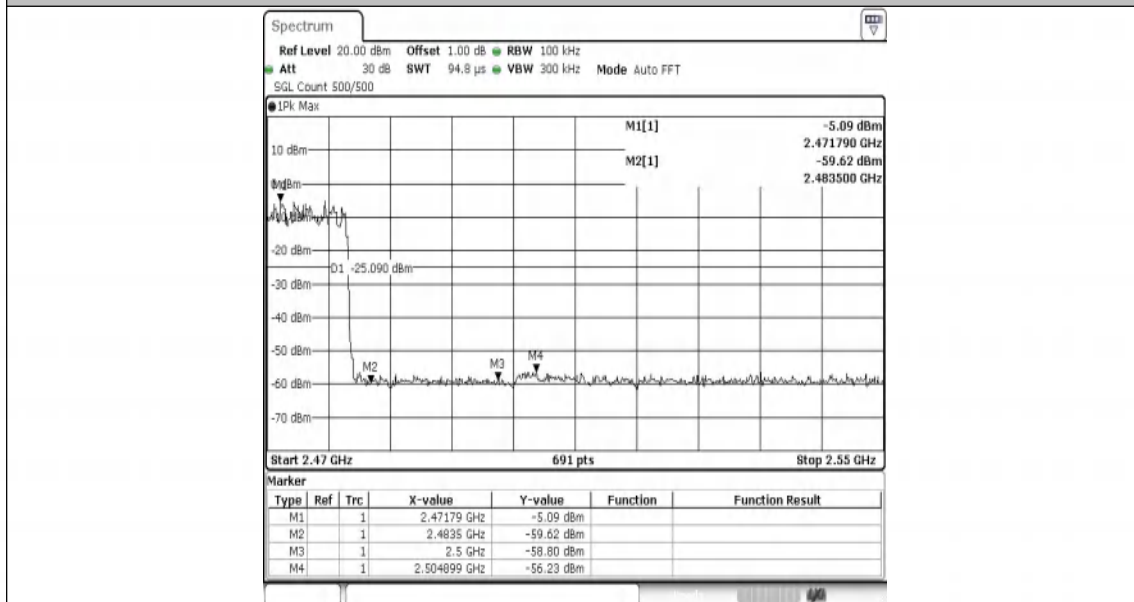
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

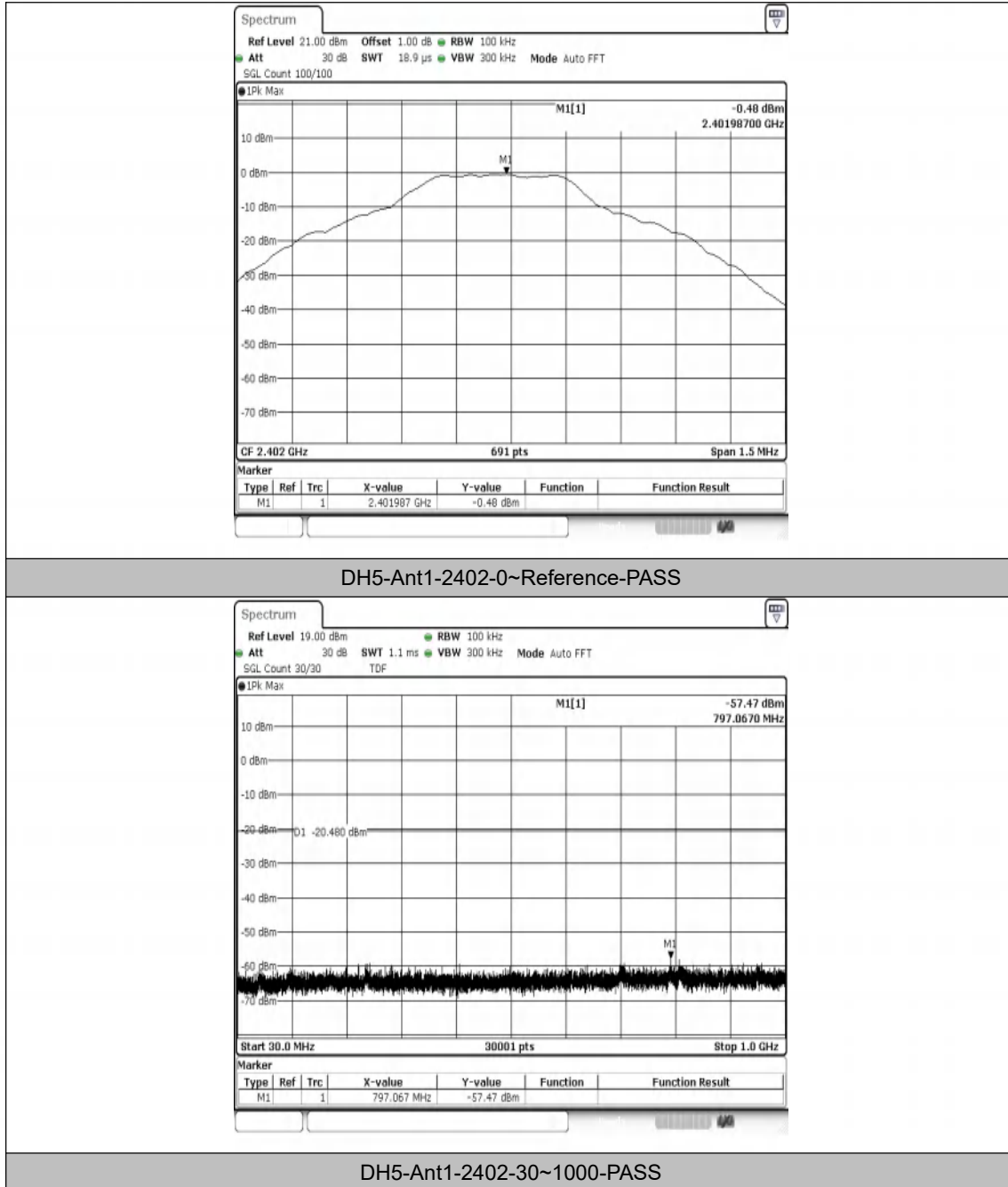
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.48	-0.48	---	PASS
DH5	Ant1	2402	30~1000	-0.48	-57.47	≤-20.48	PASS
DH5	Ant1	2402	1000~26500	-0.48	-44.26	≤-20.48	PASS
DH5	Ant1	2441	0~Reference	-0.75	-0.75	---	PASS
DH5	Ant1	2441	30~1000	-0.75	-58.6	≤-20.75	PASS
DH5	Ant1	2441	1000~26500	-0.75	-43.53	≤-20.75	PASS
DH5	Ant1	2480	0~Reference	-2.69	-2.69	---	PASS
DH5	Ant1	2480	30~1000	-2.69	-57.51	≤-22.69	PASS
DH5	Ant1	2480	1000~26500	-2.69	-43.57	≤-22.69	PASS
2DH5	Ant1	2402	0~Reference	-0.22	-0.22	---	PASS
2DH5	Ant1	2402	30~1000	-0.22	-57.64	≤-20.22	PASS
2DH5	Ant1	2402	1000~26500	-0.22	-42.62	≤-20.22	PASS
2DH5	Ant1	2441	0~Reference	-1.82	-1.82	---	PASS
2DH5	Ant1	2441	30~1000	-1.82	-58.33	≤-21.82	PASS
2DH5	Ant1	2441	1000~26500	-1.82	-44.05	≤-21.82	PASS
2DH5	Ant1	2480	0~Reference	-2.51	-2.51	---	PASS
2DH5	Ant1	2480	30~1000	-2.51	-57.93	≤-22.51	PASS
2DH5	Ant1	2480	1000~26500	-2.51	-43.53	≤-22.51	PASS
3DH5	Ant1	2402	0~Reference	-1.09	-1.09	---	PASS
3DH5	Ant1	2402	30~1000	-1.09	-56.89	≤-21.09	PASS
3DH5	Ant1	2402	1000~26500	-1.09	-43.79	≤-21.09	PASS
3DH5	Ant1	2441	0~Reference	-1.45	-1.45	---	PASS
3DH5	Ant1	2441	30~1000	-1.45	-58.2	≤-21.45	PASS
3DH5	Ant1	2441	1000~26500	-1.45	-42.65	≤-21.45	PASS
3DH5	Ant1	2480	0~Reference	-3.33	-3.33	---	PASS
3DH5	Ant1	2480	30~1000	-3.33	-57.98	≤-23.33	PASS
3DH5	Ant1	2480	1000~26500	-3.33	-44.11	≤-23.33	PASS

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

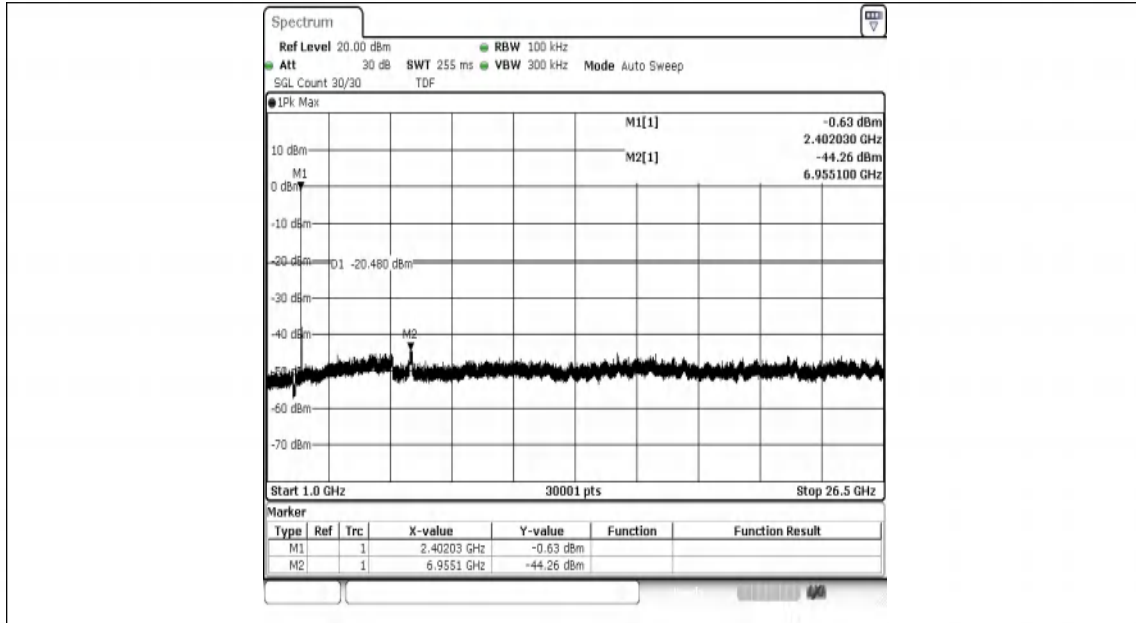
Test Graphs



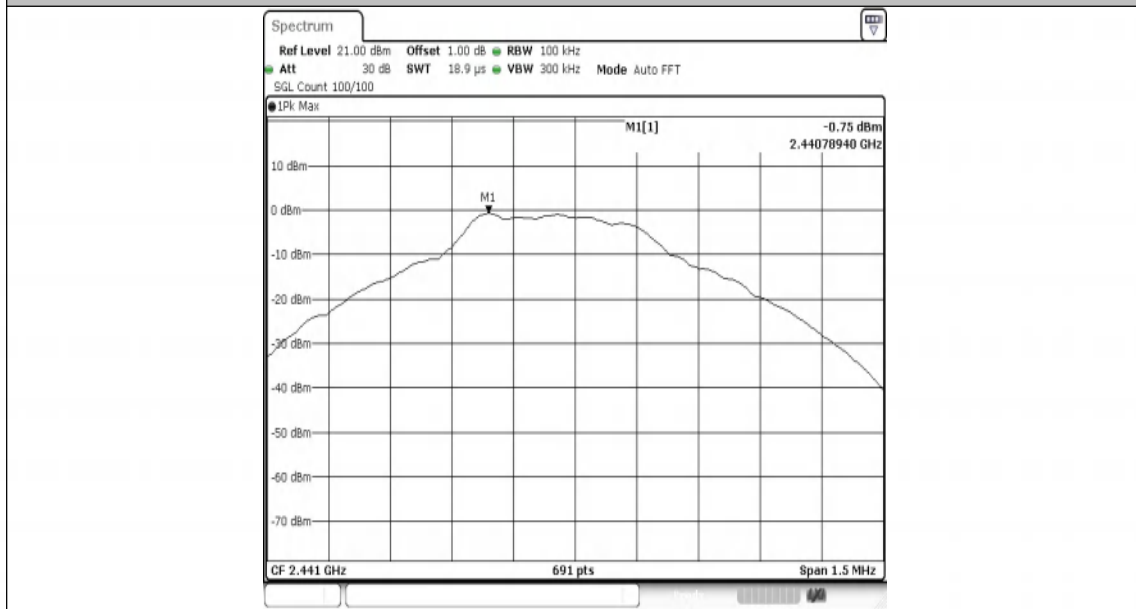
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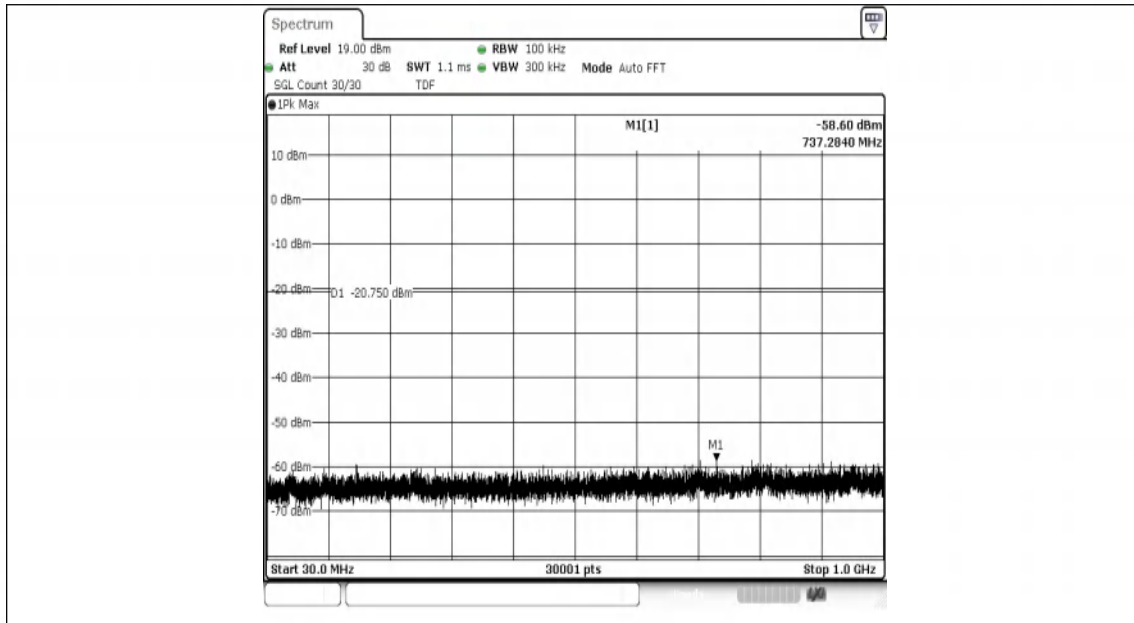
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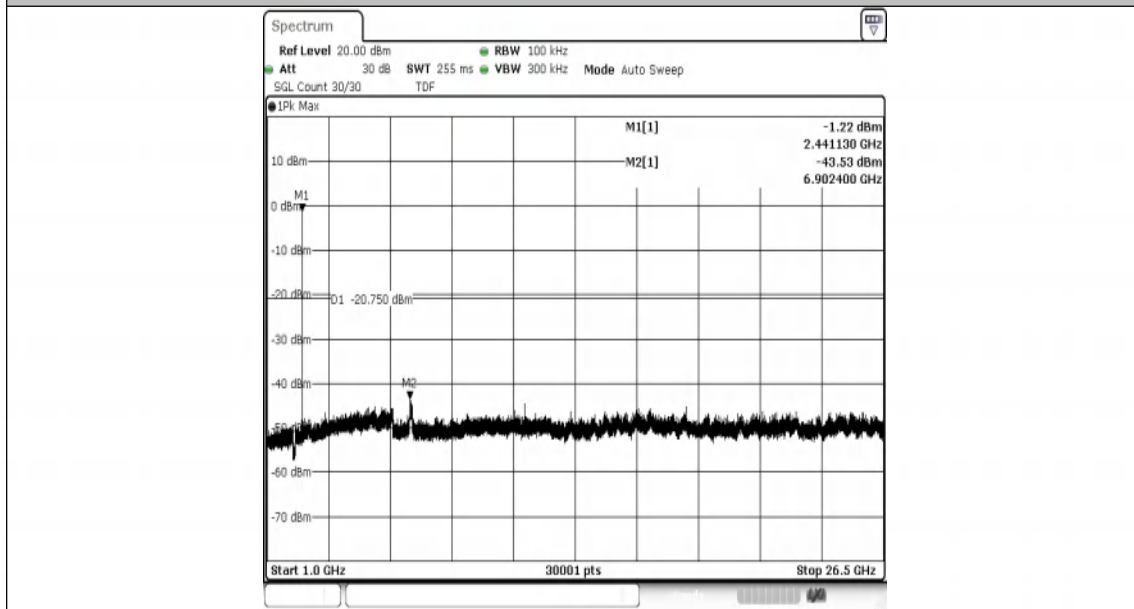
DH5-Ant1-2402-1000~26500-PASS



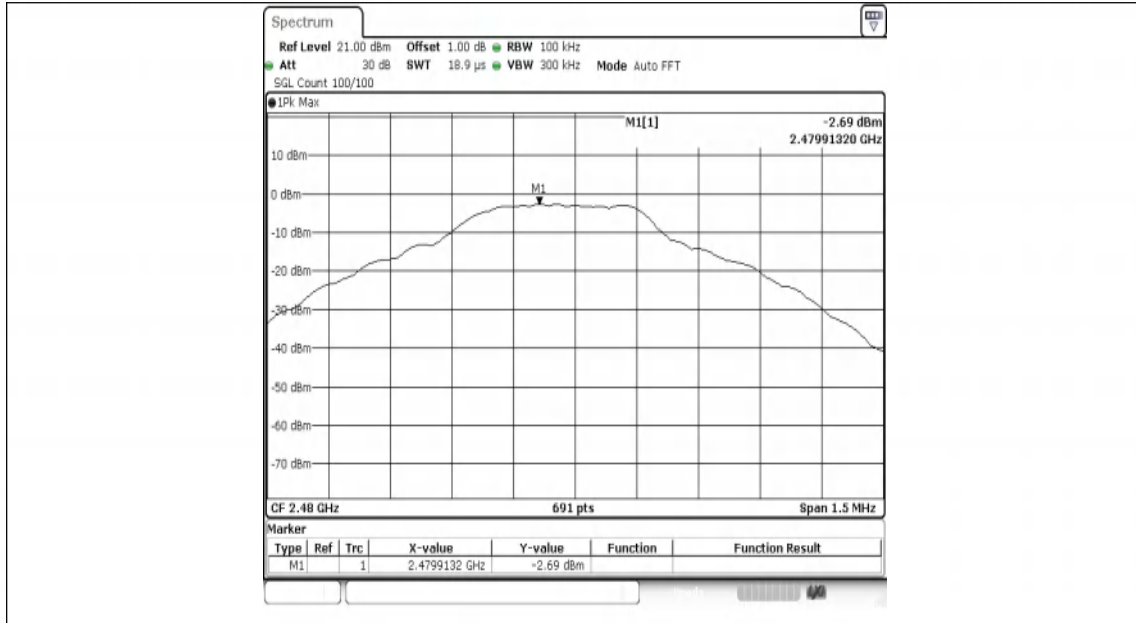
DH5-Ant1-2441-0~Reference-PASS



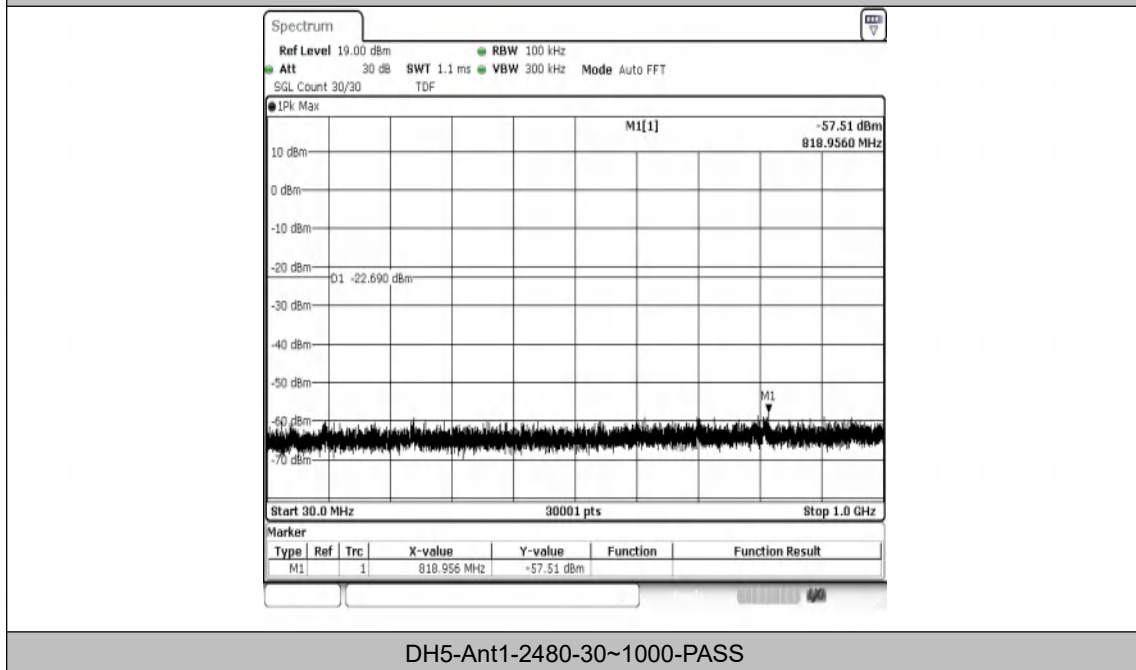
DH5-Ant1-2441-30~1000-PASS



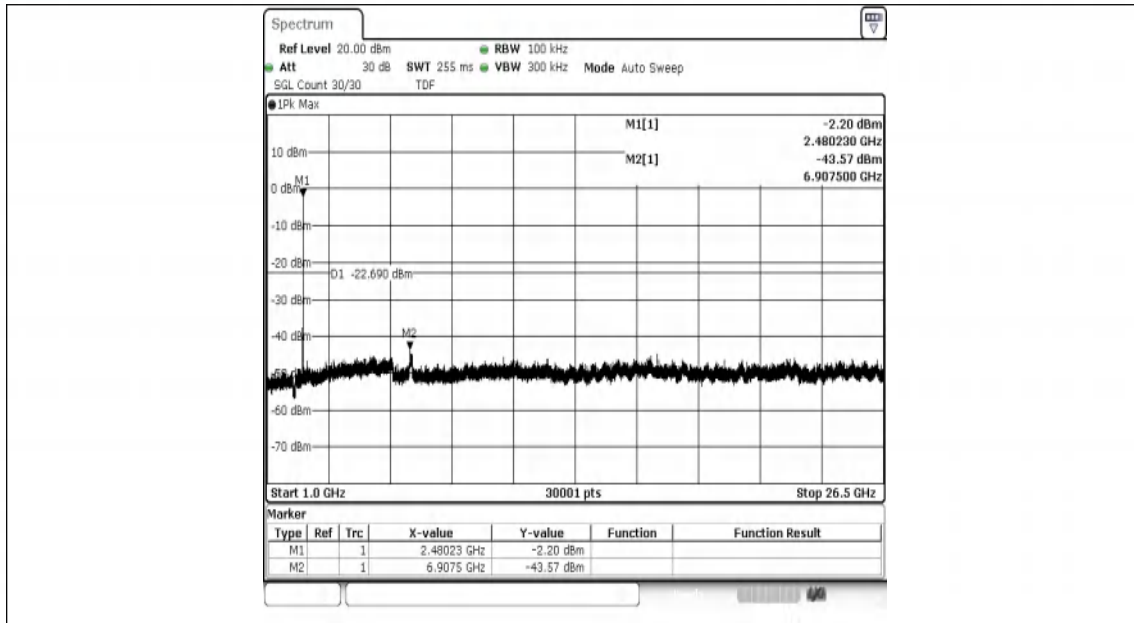
DH5-Ant1-2441-1000~26500-PASS



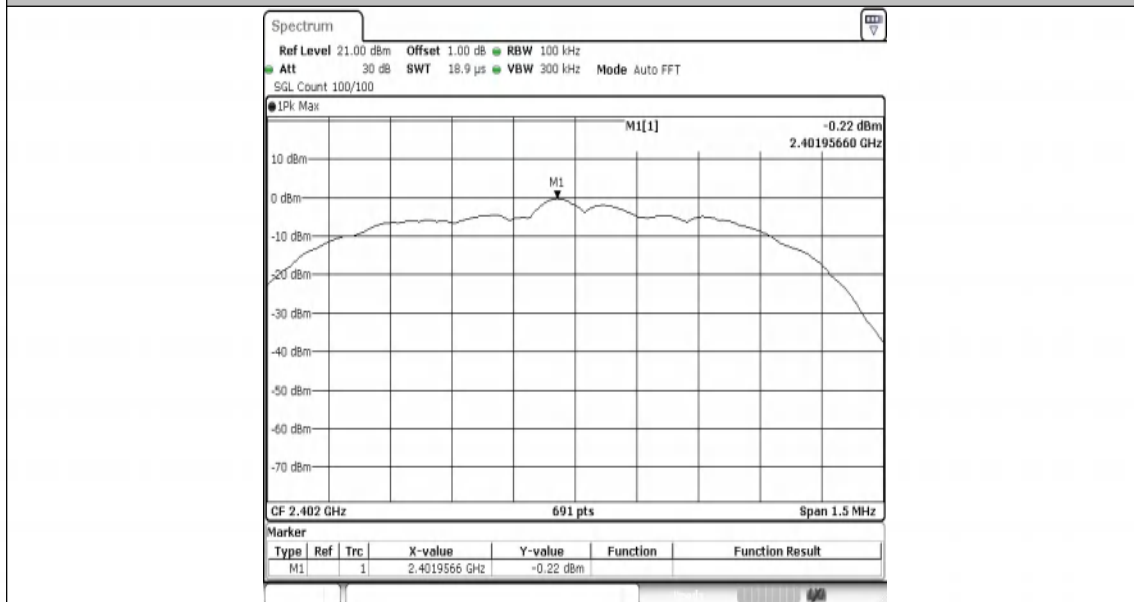
DH5-Ant1-2480-0~Reference-PASS



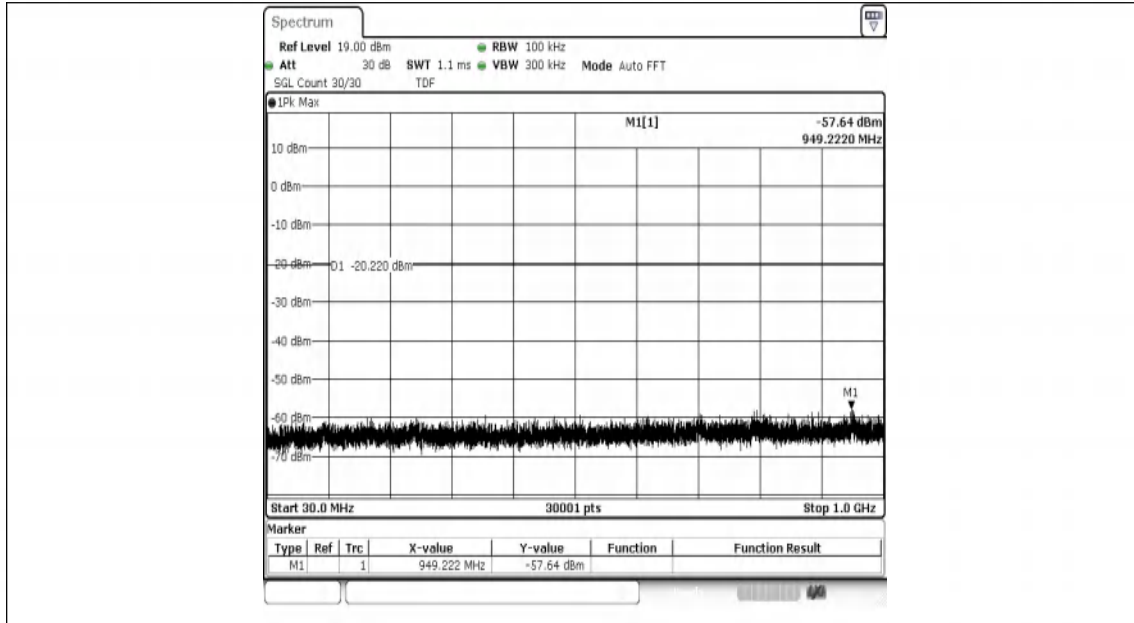
DH5-Ant1-2480-30~1000-PASS



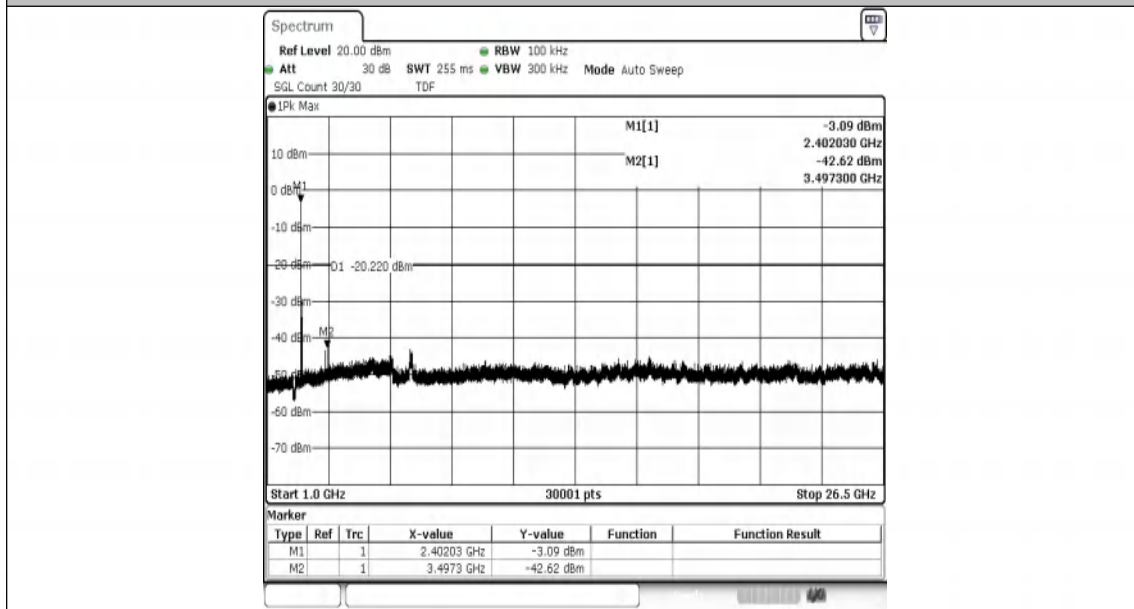
DH5-Ant1-2480-1000~26500-PASS



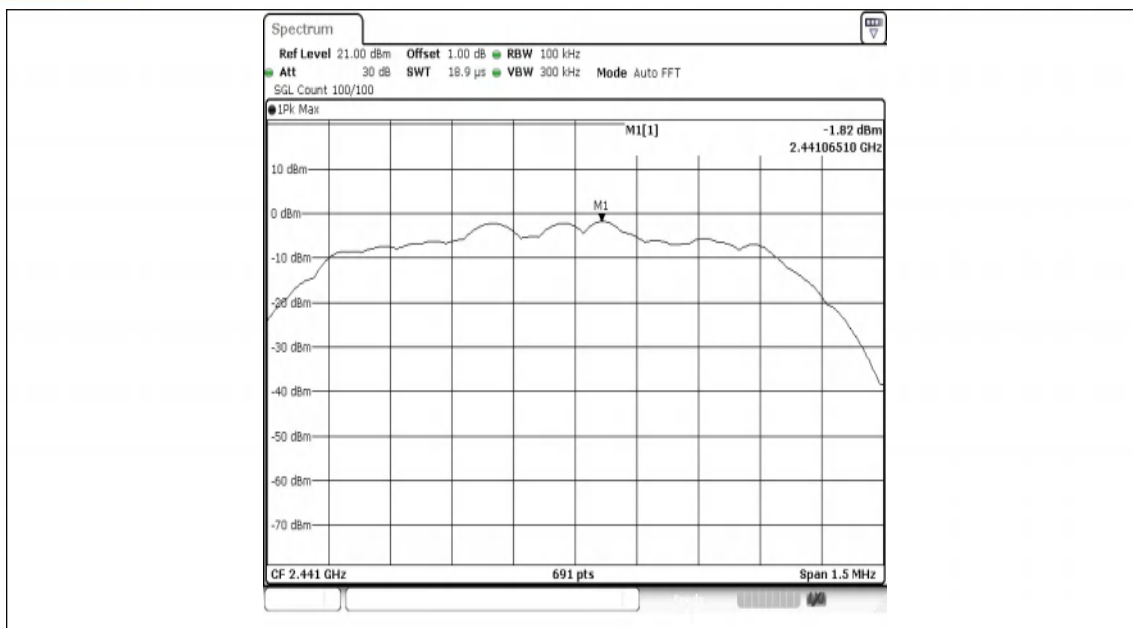
2DH5-Ant1-2402-0~Reference-PASS



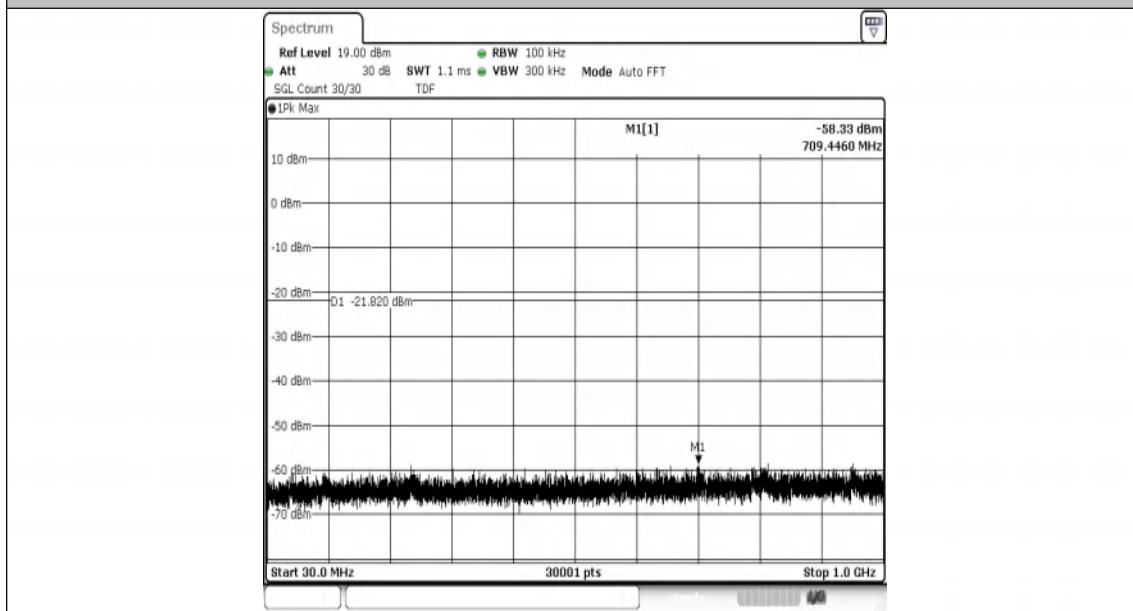
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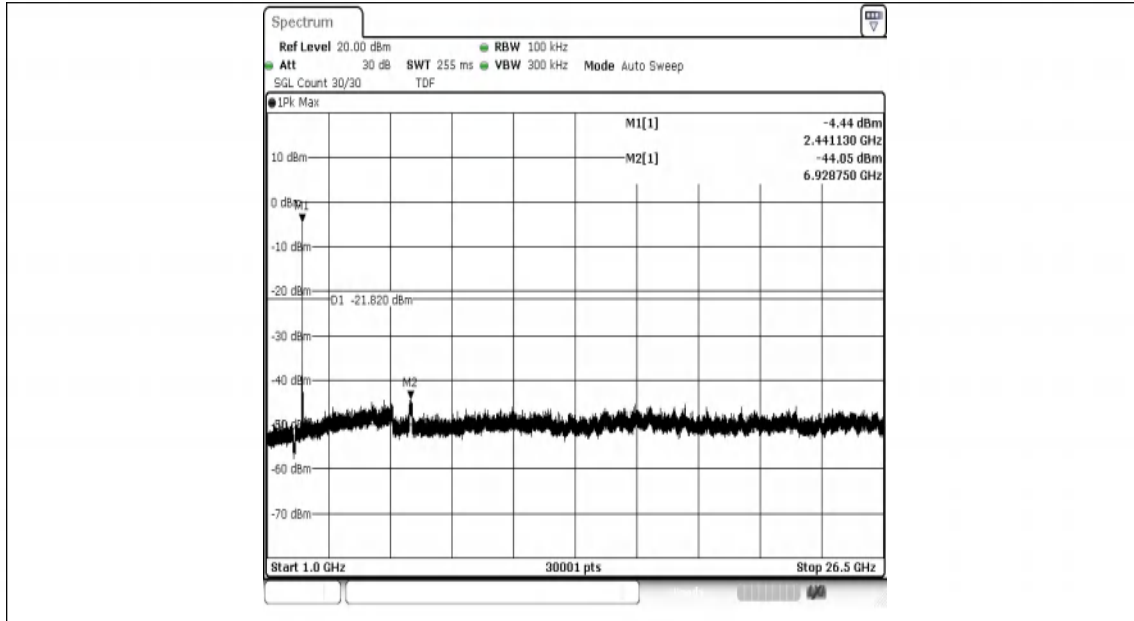
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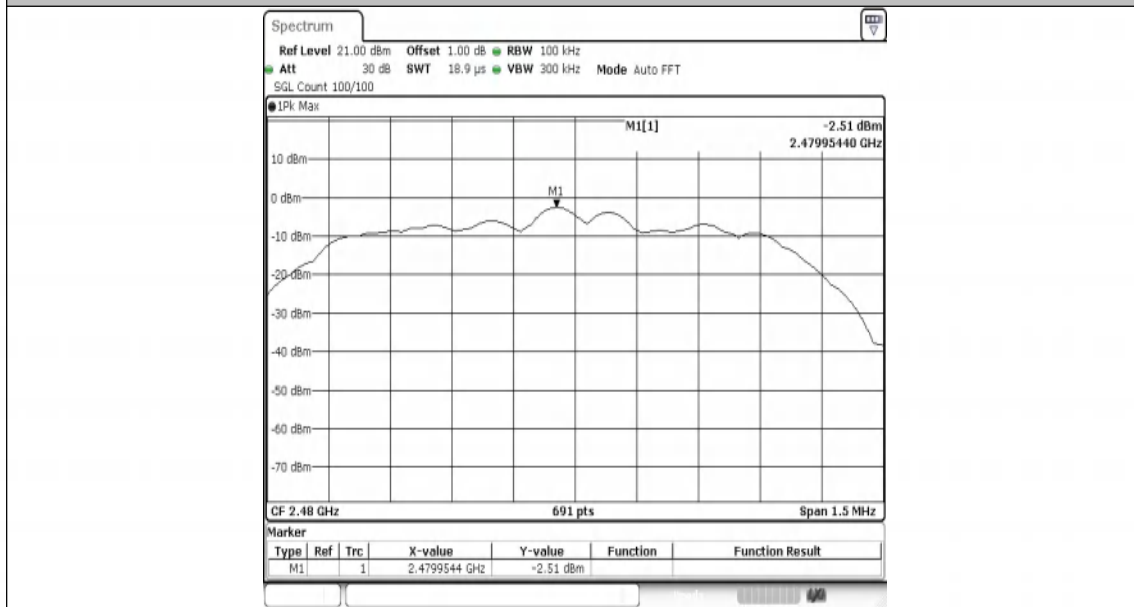
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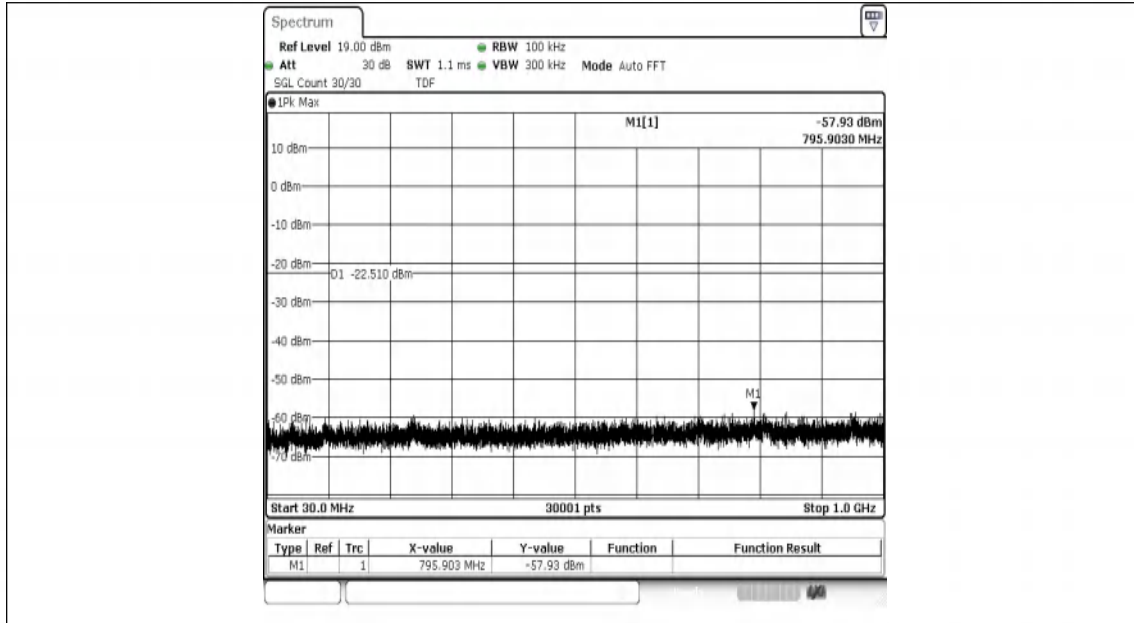
2DH5-Ant1-2441-30~1000-PASS



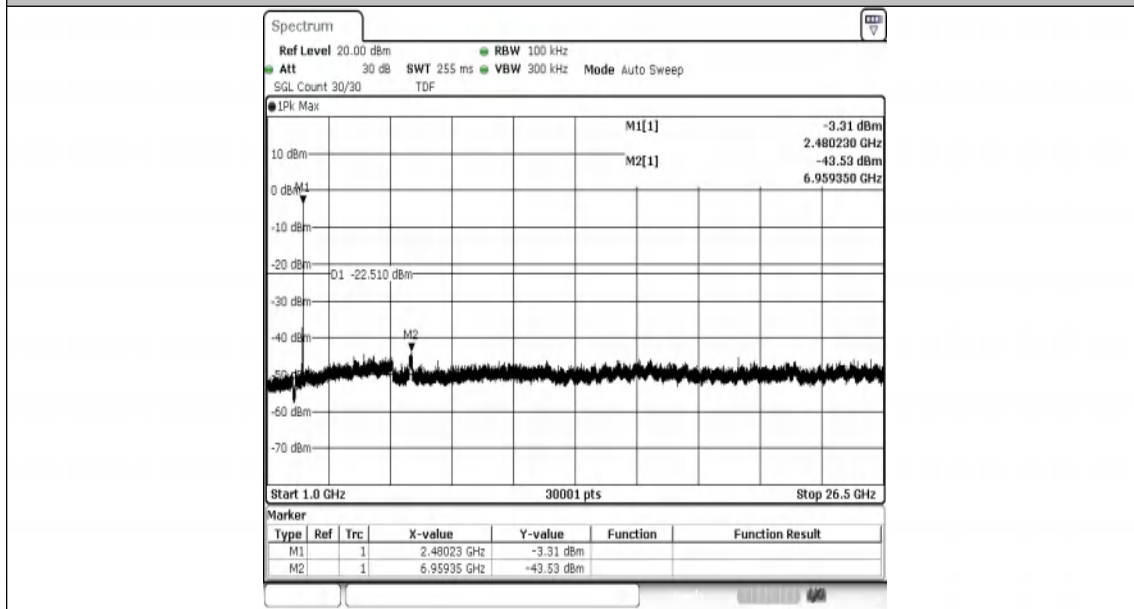
2DH5-Ant1-2441-1000~26500-PASS



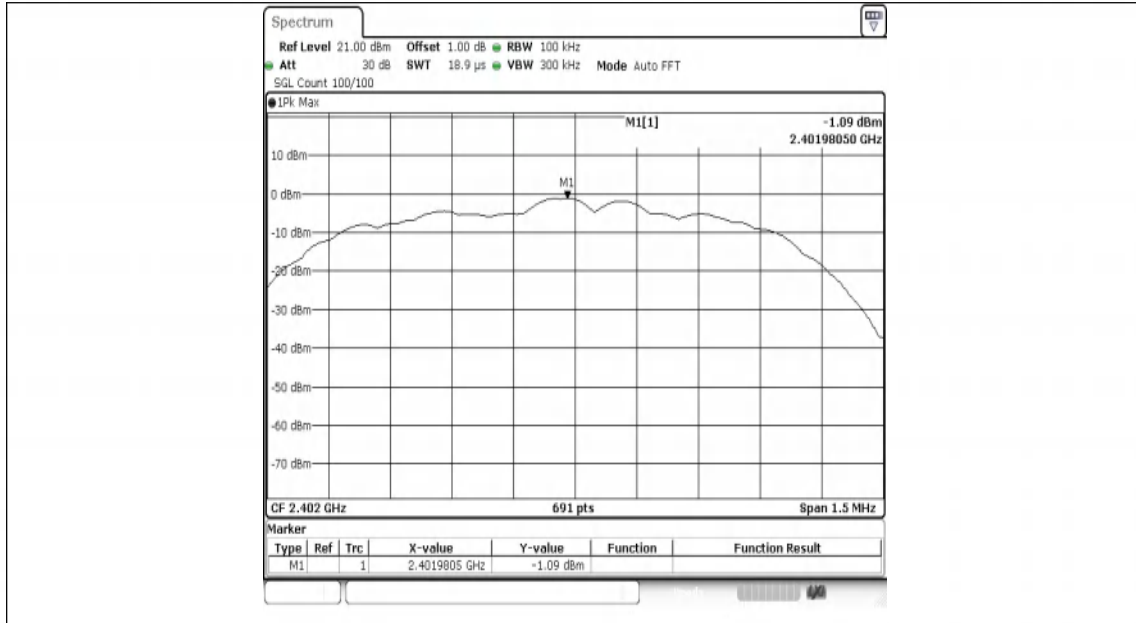
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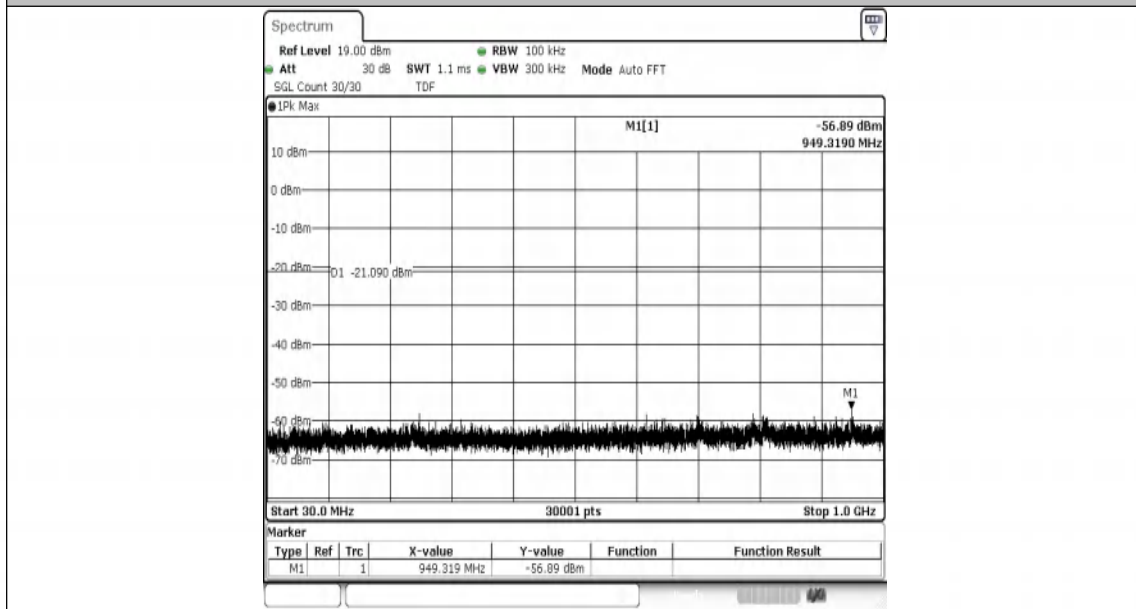
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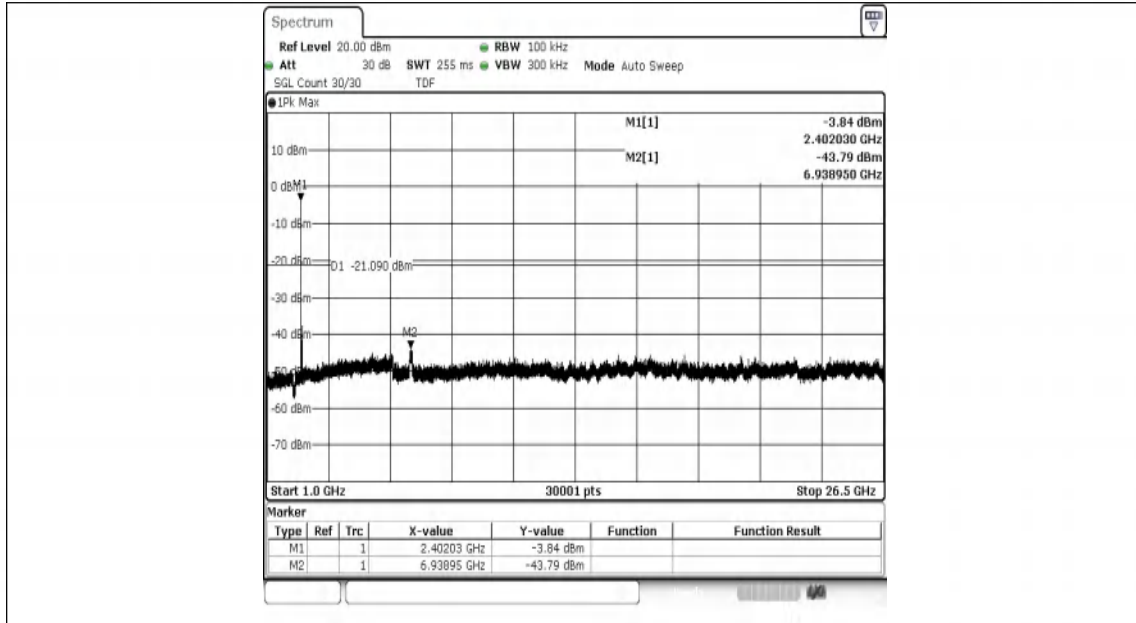
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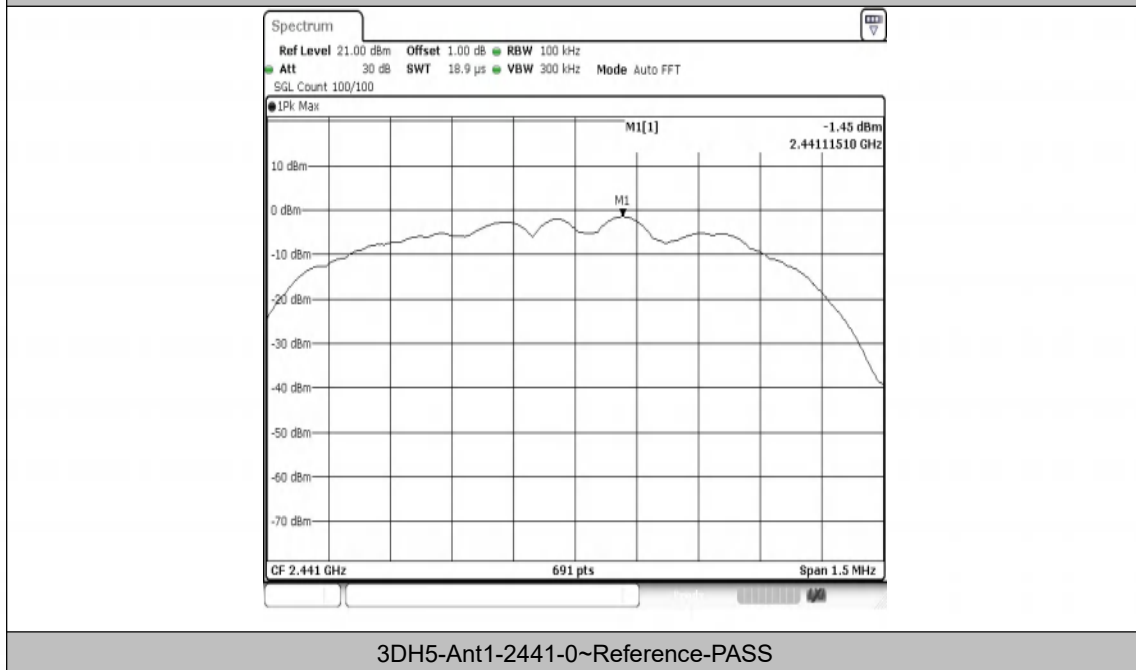
3DH5-Ant1-2402-0~Reference-PASS



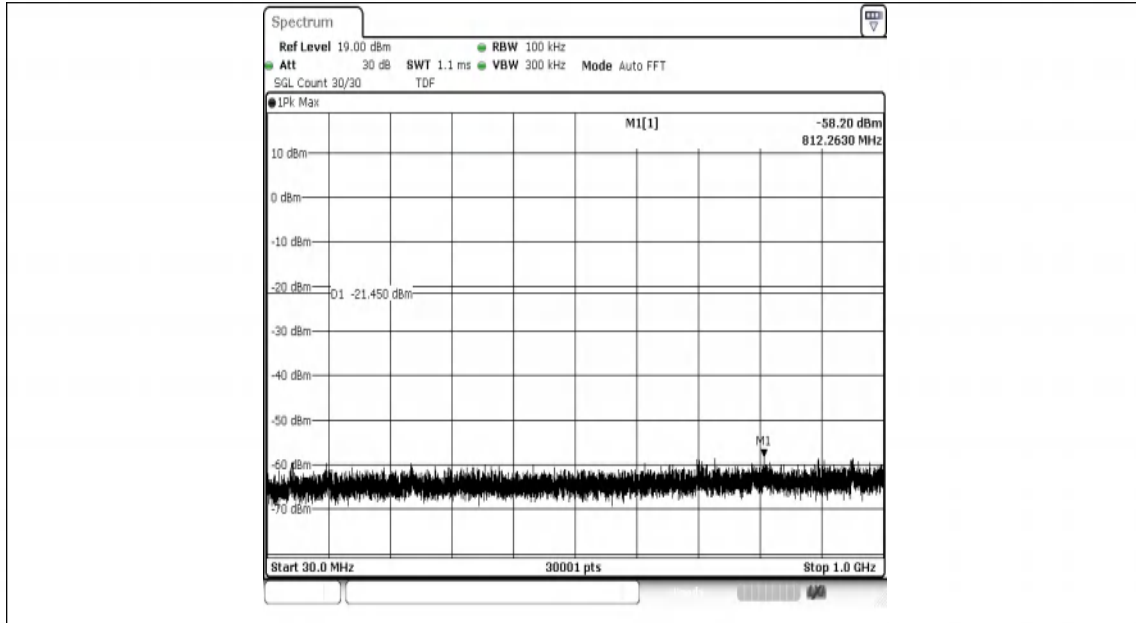
3DH5-Ant1-2402-30~1000-PASS



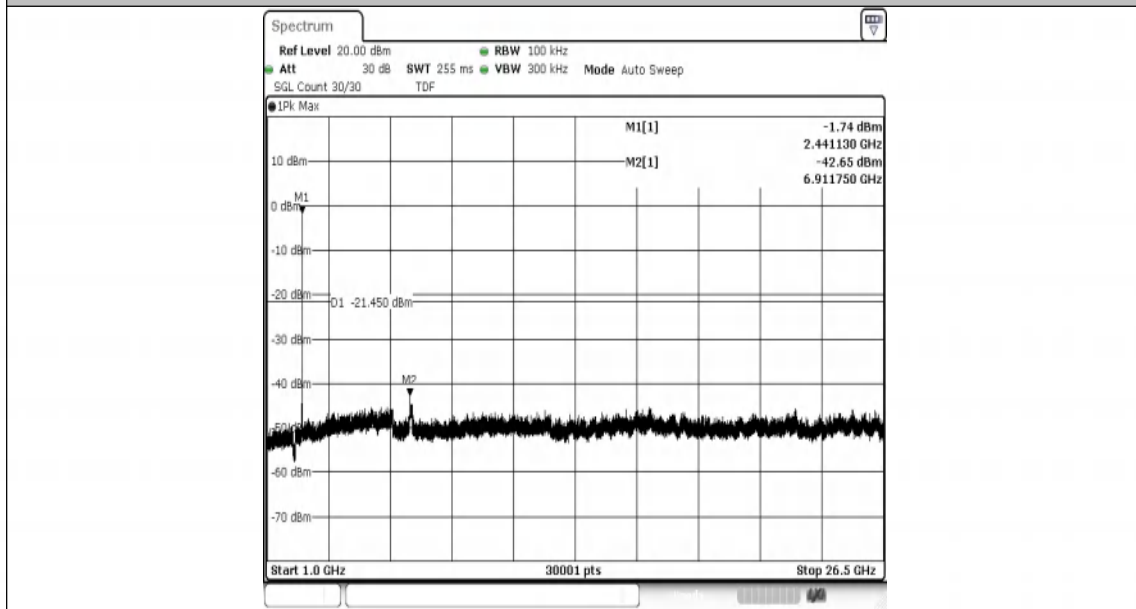
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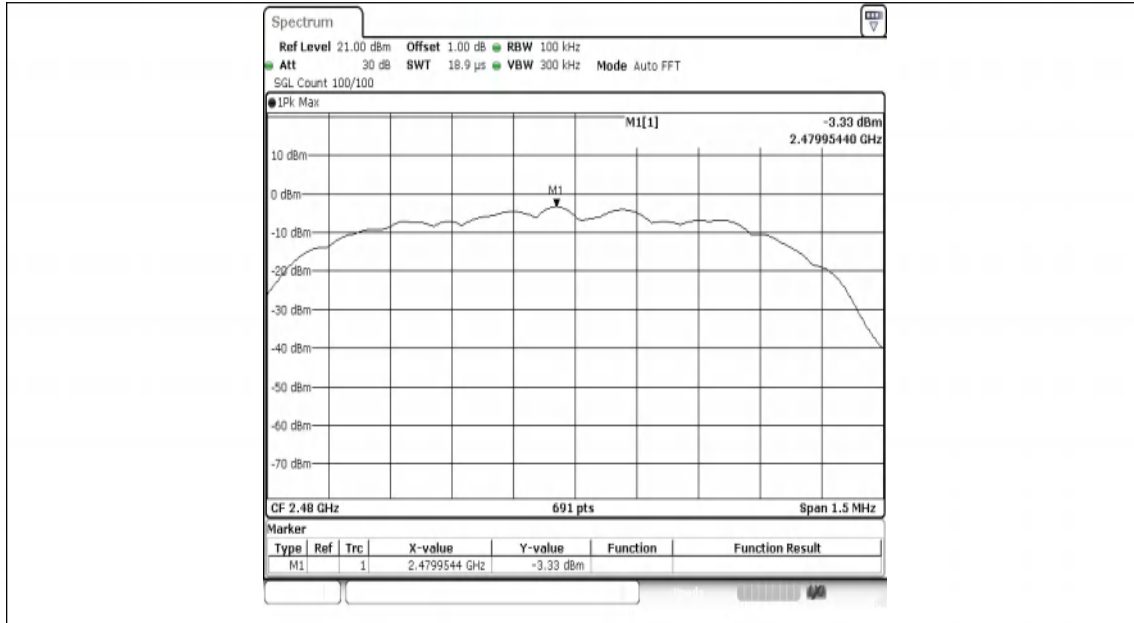
3DH5-Ant1-2441-0~Reference-PASS



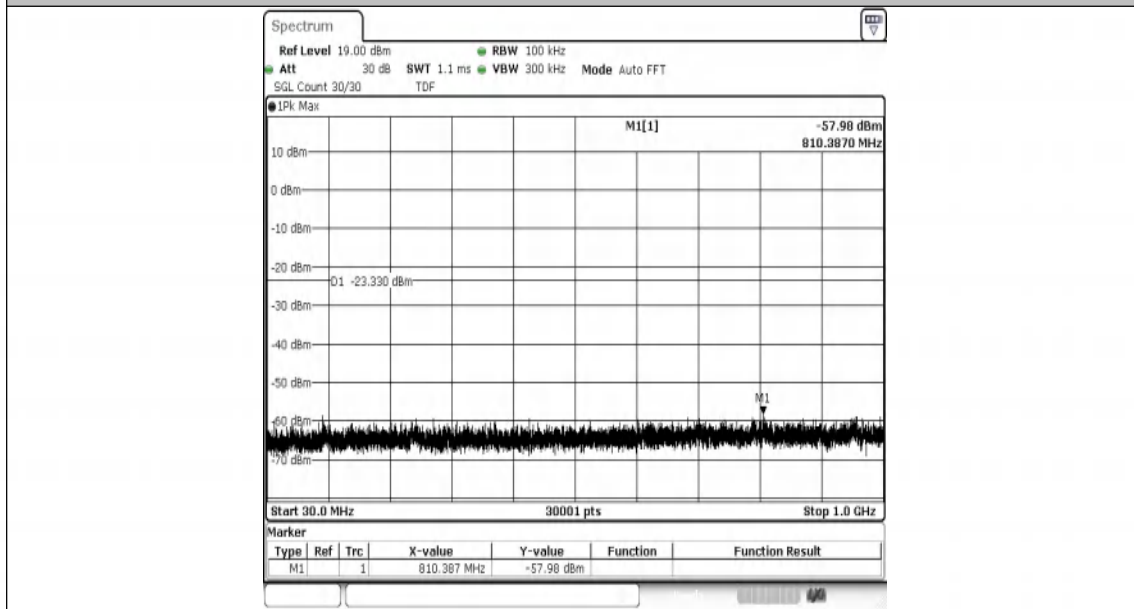
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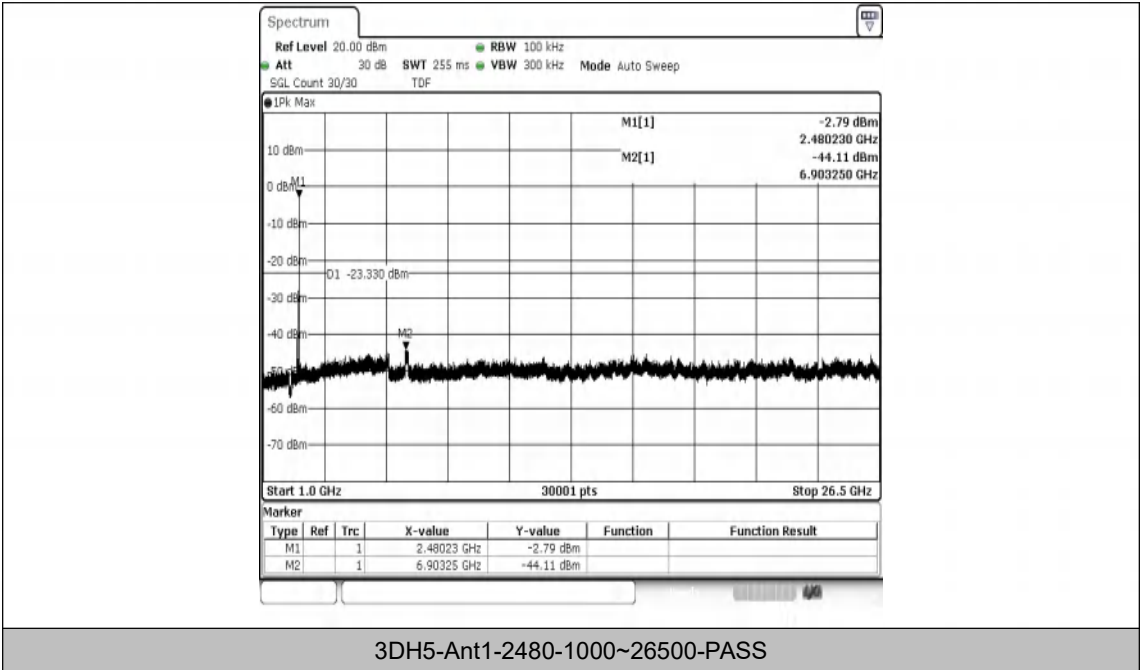
3DH5-Ant1-2441-1000~26500-PASS



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



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



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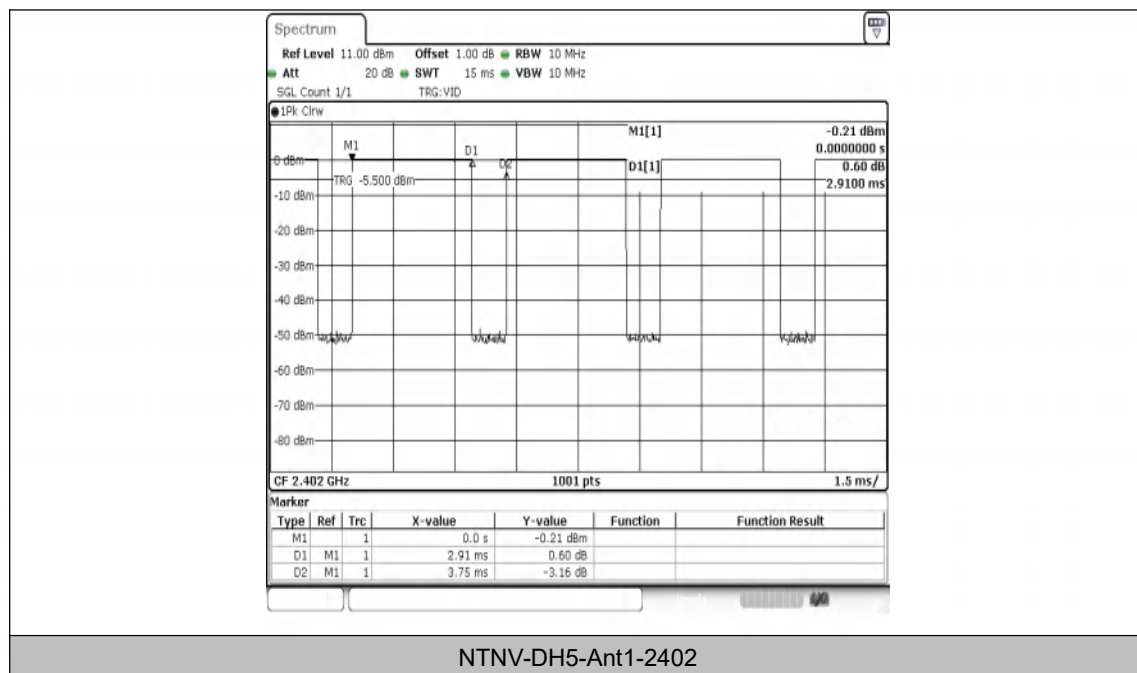
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

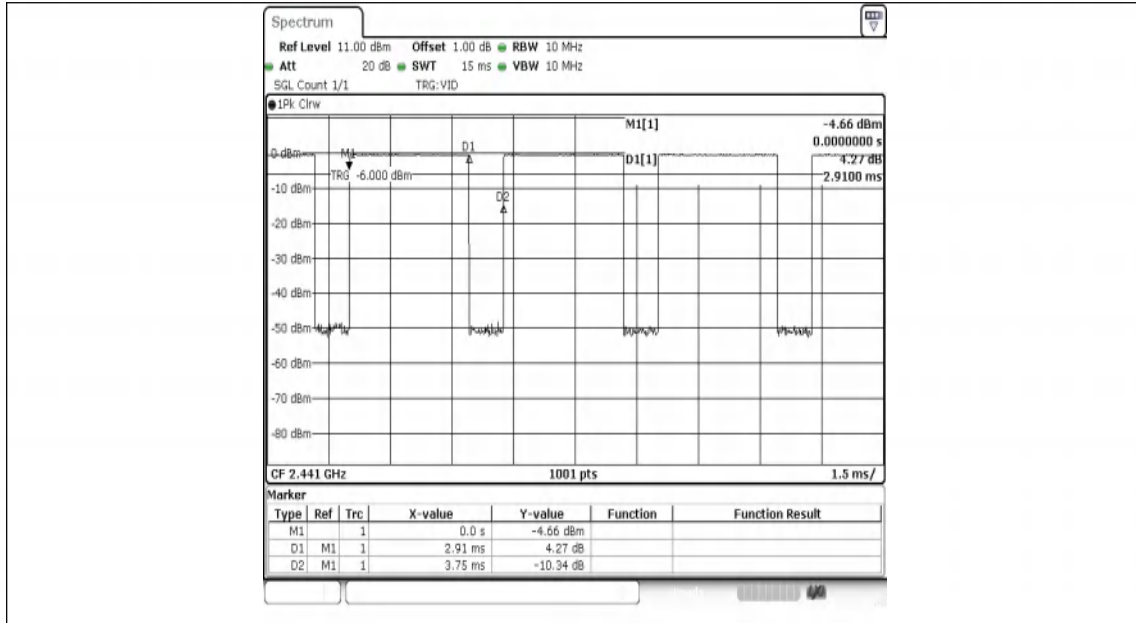
Appendix I: Duty Cycle

Test Result

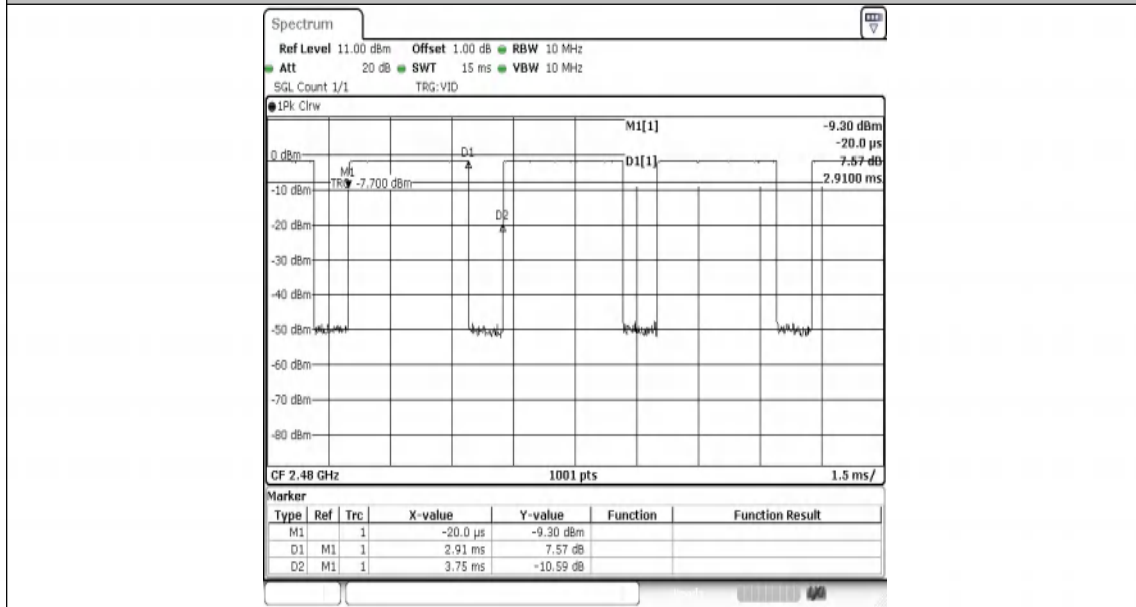
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.92	3.76	77.66	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.93	3.77	77.72	1.09
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.93	3.77	77.72	1.09

Test Graphs

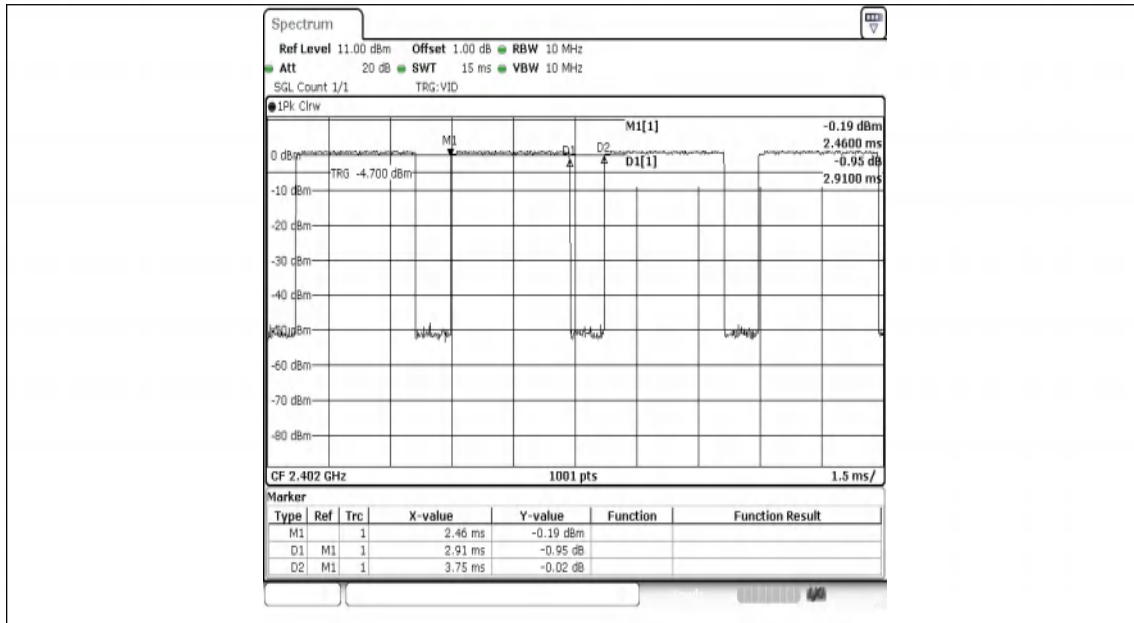




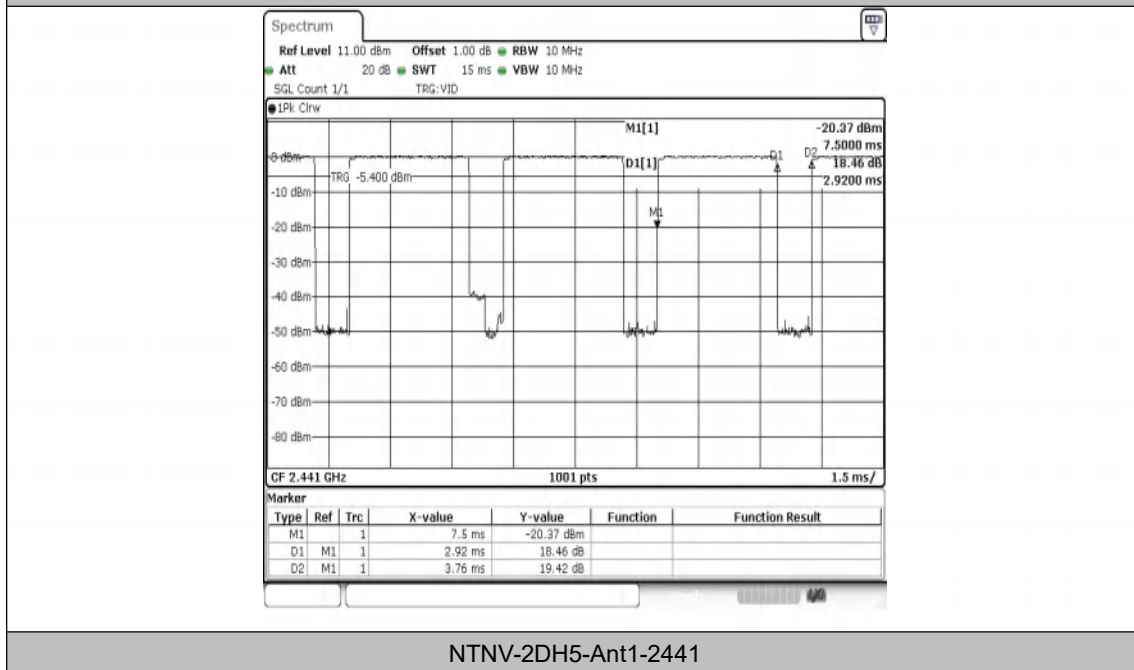
NTNV-DH5-Ant1-2441



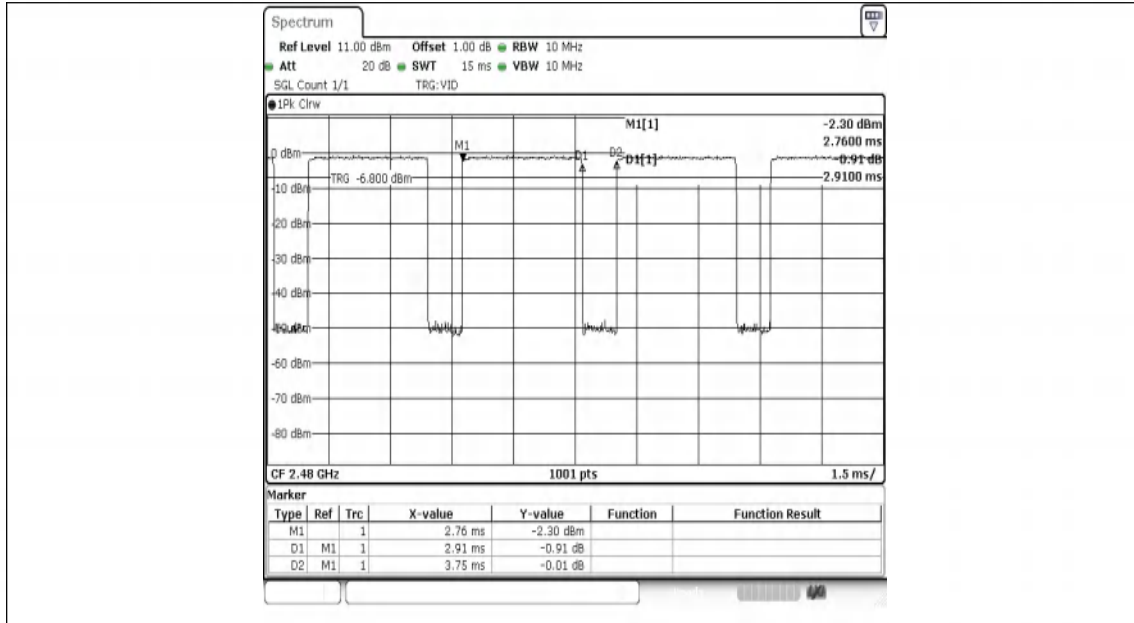
NTNV-DH5-Ant1-2480



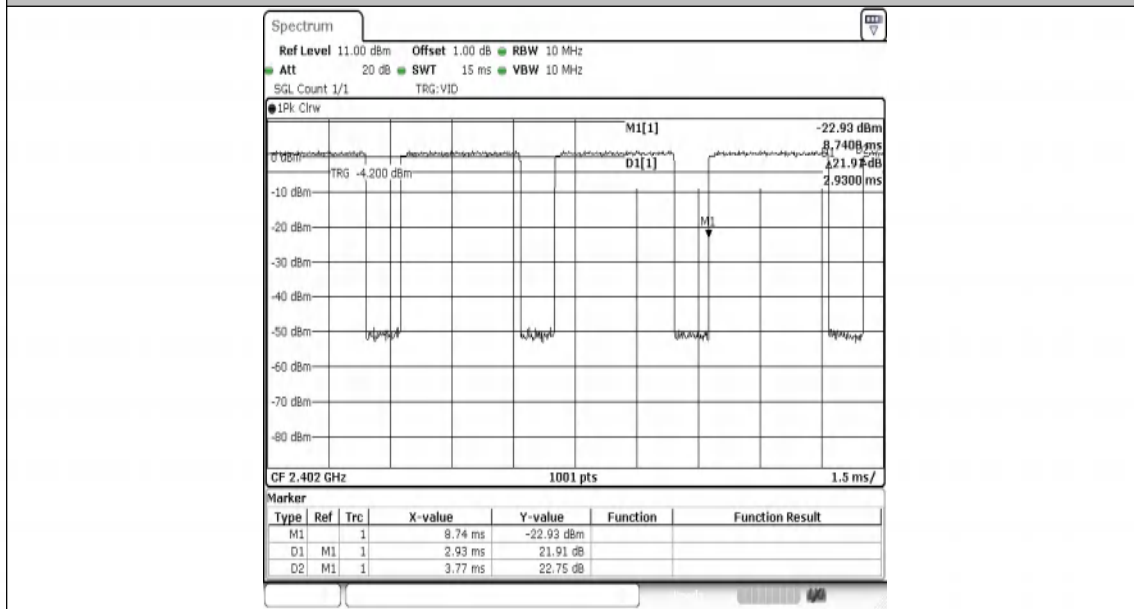
NTNV-2DH5-Ant1-2402



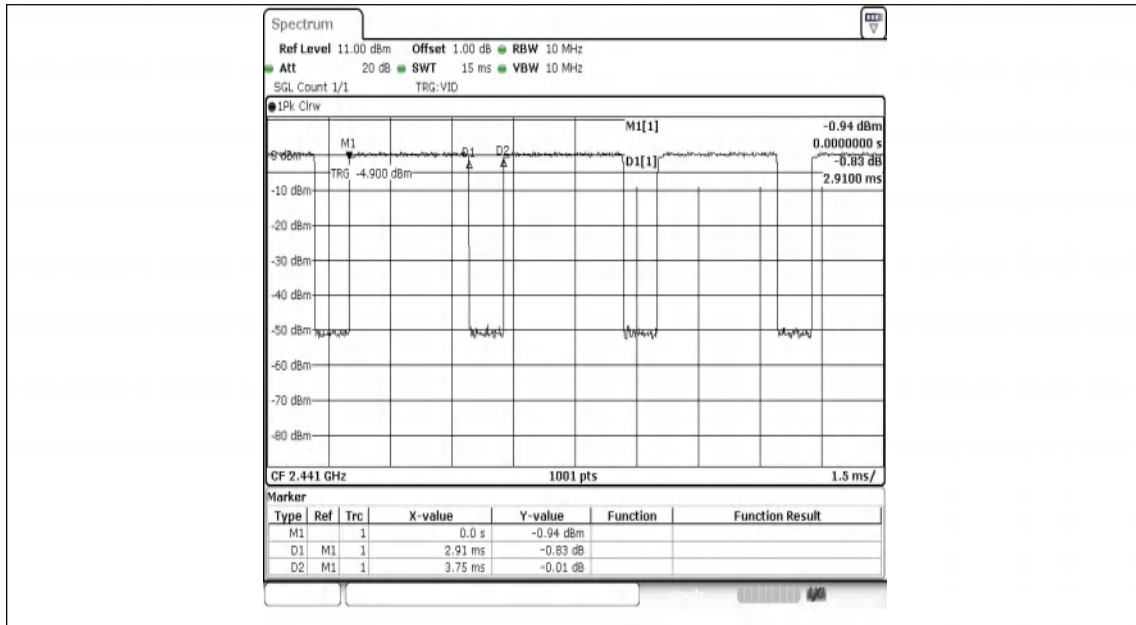
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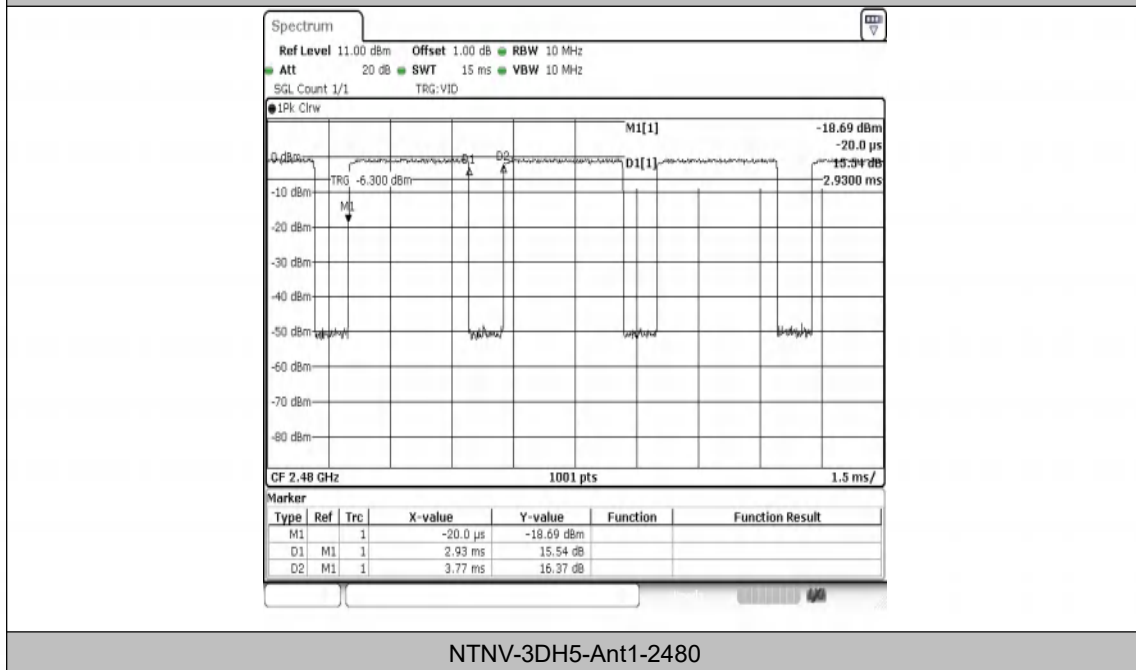
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

---End---