

Availability of HICUM in Circuit Simulators

(version numbers and some comments refer to latest tests (dated 6/04) at STM on LNA, mixer and frequency divider)

(Please contact simulator vendor or see vendor web-site for details and the latest status of availability)

<i>simulator</i>	<i>1st release</i>	<i>latest version</i>	<i>L2-V</i>	<i>L0-V</i>	<i>comments</i>
ADS	7/00	ADS2003C	2.1	1.0	very stable and fast; received version 1.1
ELDO-RF	10/99	AMS2004.1/2	2.1	rec 1.1	very stable and reasonably fast
AnalogOffice	2003	rel. 04/04	2.1	1.0	numerically stable
SPECTRE-RF	10/99	5.0.33.031104	2.1	rec 1.1	have now promised to fix bugs in L2
Smart-SPICE	11/00	rel. 11/00	2.?		can be combined with UTMOST
APLAC	10/01	7.92c	2.1	rec 1.1	still limited stability for L2
HSPICE	2/01	2004.2-beta2	2.1	rec 1.1	full compatibility with AWR-AO for L2
TEKSPICE	8/02	rel. 8/02	2.?		proprietary numerical improvements for L2
GoldenGate	?/03	3.3.14	2.?		
HSIM	4/02	5.0_2004.20.7	2.?		
SPICE3F5	4/02	11/04	rec 2.2	rec 1.1	reference simulator with HB capability

- Various other (partially in-house) simulators (ASX (IBM), Eagleware, Micro-Cap, NEXXIM (Ansoft) ...)
- Verilog-A version of model code; also, stand-alone kit enabling coupling with other tools