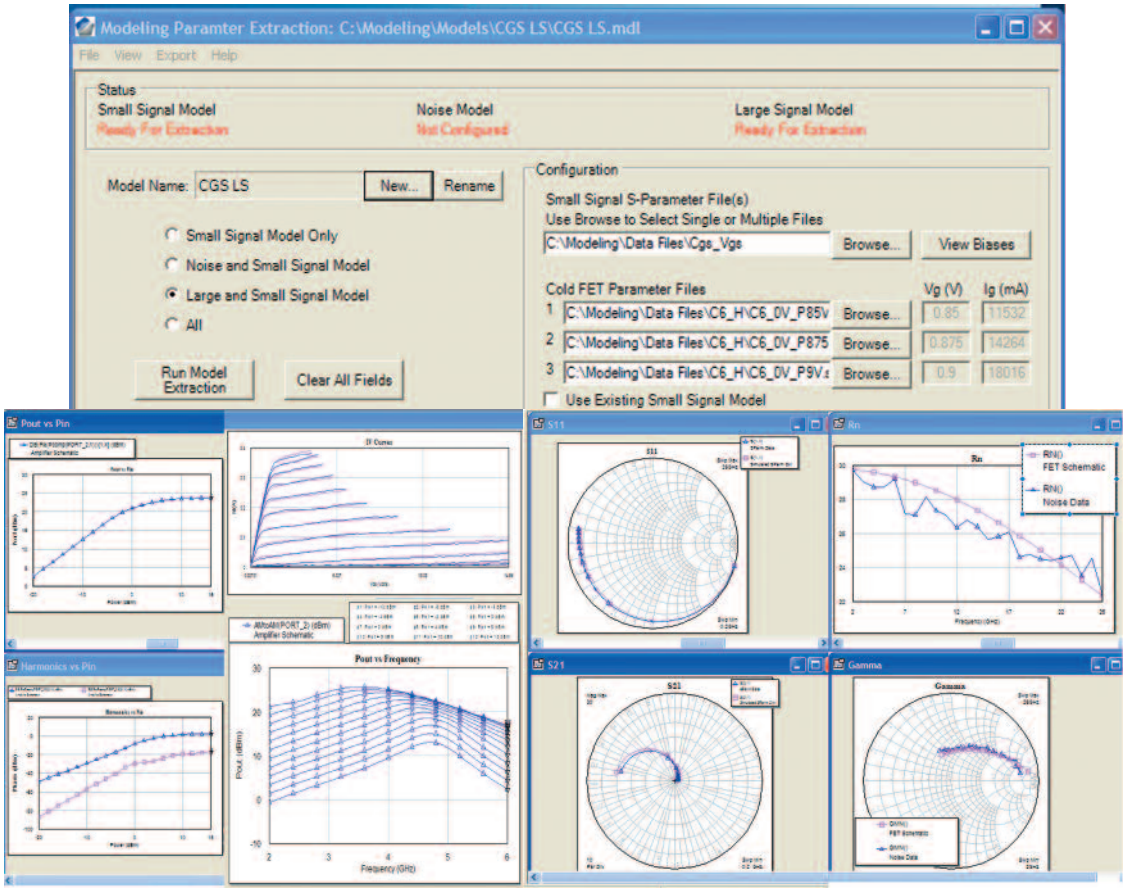
AU8000 Series
Model Station

Device measurement, model parameter extraction, embedded circuit simulation, and model generation–ready for EDA implementation.



Agilent Technologies
Channel Partner

AURIGA
MEASUREMENT SYSTEMS, LLC

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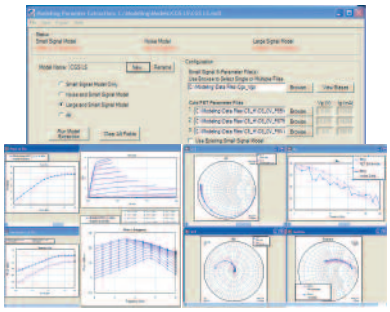

I. Features

- Extracts many models used for microwave designs
  - Small signal model with noise parameters
  - Large signal models
- Efficient optimization
- Graphical display of circuit performance as models are extracted
- Integrated with RF measurement systems for necessary data acquisition

II. Description

- Extraction Application (AU8001) derives model parameters from data files. User-friendly GUI leads user through the model parameter extraction steps.
- Circuit simulation using the extracted device models demonstrates impact of device parameter variation on the amplifier performance for example. This feature is useful to predict amplifier performance across the wafer, wafer to wafer, or different bias conditions.
- Stand-alone system (AU8200) is complete with measurement equipment and has the capability of acquiring all necessary data for extraction.
- Data needed for MESFET parameter extractions are:
  - S parameters at various bias points
  - IV curves
  - Pulsed IV data for large signal MESFET model extraction
  - Noise parameters for noise source extraction
- Support provided for customer-furnished equipment required to complete the system.

III. Product Line

AU8001	**Model Extraction Application -** By providing necessary data files, the program will extract device models ready to be introduced to EDAs, such as ADS and MWO.
AU8002	**One year support -** Help, Support, and Upgrades for AU8001.
AU8102	**One year support -** Help, Support, and Upgrades for AU8101.

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