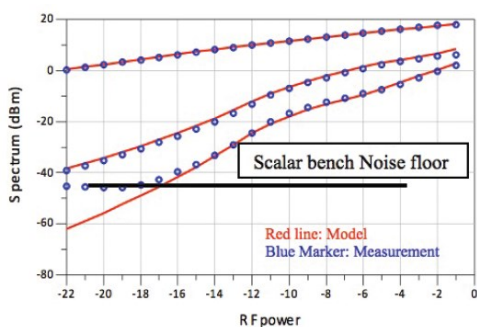


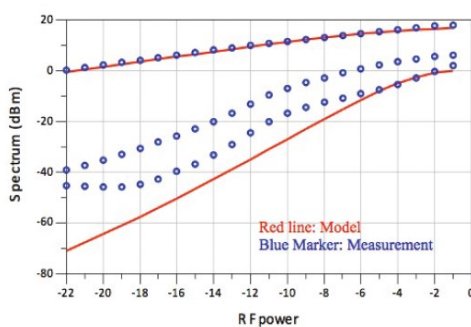
Take A Look at X-Parameters* with us...

Greetings,

Thank you for your interest in Modelithics. We would like to invite you to explore Agilent's X-parameter technology for measurements and modeling. We have been introducing more and more X-parameter models and related papers to our website. We are convinced that the X-parameter format is much more useful and accurate for non-linear "black-box" modeling than the alternative formats, such as the P2D (power-dependent S-parameter). X-parameters capture both large- and small-signal conditions, as well as complete linear and non-linear device behavior. For power transistors, X-parameters can also be used as alternatives or supplemental tools to traditional compact models.



X-parameter model simulated output spectrum compared to measured results.



S2D simulated output spectrum. The 2nd (or even-order) harmonics are suppressed.

We thought you may be interested in some of the X-parameter materials we now have on our website:

- [Power Amplifier Design with X-Parameter Power Transistor Models](#)
- Related [ON-DEMAND WEBCAST](#) also available.
- [Evaluating X-Parameter*, P2D and S2D Models for Characterizing Nonlinear Behavior in Active Devices](#) (Related Advanced Design System (ADS) project files available at www.Modelithics.com)
- [Unleash Compact Transistor Models with X-Parameter Technology](#)
- [X-Parameter Measurement and Modeling Service](#)
- [Advances in Linear and Non-Linear Modeling for Improved Microwave Design](#)
- [A Benchmark Comparison of X-Parameter*, P2D and S2D Models for Representing Microwave Amplifier Performance](#)
- Free X-Parameter models available in Modelithics' SELECT Library free download:
 - RFMD RF2878 amplifier - Compatible with Agilent ADS, AWR Microwave Office, and Agilent Genesys.
 - Nitronix NPT1012 GaN HEMT - Compatible with Agilent ADS and Agilent Genesys. (Modelithics SELECT Library free download available at www.Modelithics.com)

Note that we can convert any existing nonlinear model in the Modelithics NLT library to an X-parameter model. We can also develop X-parameter models from measurement data using Agilent PNA-X NVNA technology. For a price quote on the conversion or the measurement service, fill out an [RFQ worksheet](#) or contact us at support@modelithics.com.

Sincerely,
The Team at Modelithics

www.Modelithics.com | Precision Measurements and Models You Trust



* "X-Parameters" is a trademark of Agilent Technologies, Inc. The X-parameters format and underlying equations are open and documented. For more information, refer to X-parameters Open Documentation, Trademark Usage & Partnerships

To unsubscribe, please [click here](#).