

Frequently Asked Questions

This is the landing page for Frequently Asked Questions that explain specifics on how to use certain features of the NI AWR Design Environment.

Search Only FAQs

[Search Tips](#)

Page Listing

- [Autocad Lightweight Polyline Segments Import](#)
- [AWR's GERBER File Format Details](#)
- [AWRDE Issues with Certain Video Cards](#)
- [Calculate 3dB Bandwidth of Bandpass Filter](#)
- [Color Settings in Microwave and Analog Office and VSS](#)
- [Compute Node Remote Update](#)
- [Curtice Cubic Nonlinear Model Results Differ From ADS](#)
- [Dialog Boxes Are Not Displaying Properly](#)
- [DXF Files Do Not Open in AutoCAD](#)
- [Electromagnetic Solver Integrations](#)
- [EMSight Proximity to Enclosure Issues](#)
- [Emulating Standard Cadence Bindkeys in AWR](#)
- [Error When Starting: The application was unable to start correctly \(0xc000007b\)...](#)
- [Failure initializing the AWR Scripting IDE Addin](#)
- [FAQ: Issues With Using NEG2 Element In MWO](#)
- [FAQ: Using Encrypted HSPICE Netlists](#)
- [GDS Export of Layout Does Not Match Layout Shown in AWRDE](#)
- [Getting Started With Microwave Office](#)
- [Getting Variables in VSS to Use Project \(User\) Units Rather Than Base \(SI\) Units](#)
- [Hardware Key Memory](#)
- [How Can I Avoid Error Accessing Remote Document Message](#)
- [How Can I Fix the Shorted Circuit Created in Spiral Inductors Between the Bridge and the Outermost Segment](#)
- [How Do I Access AWR Training Modules](#)
- [How Do I Add Multiple Material Definitions to the Preset Menu Simultaneously](#)
- [How Do I Change Length Units In the AWRDE and Check For Any Resulting Errors in Layout](#)
- [How Do I Combine Load Pull Files](#)
- [How Do I Fix DC Problem In Data Files](#)
- [How Do I Fix My Layout If I Can No Longer View It or I Only See the Ratlines](#)
- [How Do I Make AWRDE Transformers \(XFMR, XFMR TAP, XFMR TAP2, XFMR TAP3, XFMRP\) Not Transform DC](#)
- [How Do I Make Scaled Prints of a Layout](#)
- [How Do I Troubleshoot XDB and CONSTPOUT Issues](#)
- [How Do I Verify That My SPICE Model Was Translated Correctly](#)
- [How Is Optimizer Cost Function Determined](#)
- [How to Add Text to MMIC Layouts in PDKs to be DRC\(Design Rule Checking\) compliant](#)
- [How To Avoid Source Stepping Errors When Performing Linear Measurements with Legacy Harmonic Balance Simulator](#)
- [How to Change the Circuit and System Component Text Size](#)
- [How To Import Test Benches Manually](#)
- [How to Install a Local Copy of the Vendor Parts Library](#)
- [How to Read External Datafiles in AWRDE](#)
- [Imported S-parameter Data File Looks Different When Plotted in AWRDE vs. Original Tool](#)
- [Importing Layout Gives '32-Bits Integer Limit' Error](#)
- [I Need a Model in MWO, AO or VSS](#)
- [IntelliSense Is Not Working in Visual Basic Editor](#)
- [Interconnect or Bridgecode Not Drawn Between Component and Discontinuity Model](#)
- [Layout Cells For Package Artwork](#)
- [Line Type Name Length in LPF File](#)
- [LO Phase Shift for IQ Modulator-Demodulator](#)
- [Missing Menu Commands](#)
- [MIXER_B, MIXER_F Introduces 6dB Gain During Upconversion](#)
- [Modelithics Surface Mount Component Library](#)

Pages by Label

A-B

[active_content](#)
[amp](#)
[amplifiers](#)
[analyst](#)
[antenna](#)
[antsyn](#)
[aplac](#)
[appnote](#)
[axiem](#)

C-D

[cadence](#)
[circuit_cosimulation](#)
[circuit_envelope](#)
[coplanar](#)
[customization](#)
[design_environment](#)
[design_guides](#)
[design_landing](#)
[draft](#)
[dxf](#)

E-H

[e-learning](#)
[em](#)
[em_extraction](#)
[emsight](#)
[evaluator](#)
[faq](#)
[feature_help](#)
[featured](#)
[graphs](#)
[guide](#)
[hb](#)

I-L

[inets](#)
[install](#)
[layout](#)
[library](#)
[linear](#)
[load_pull](#)
[lpf](#)

M-O

[markers](#)
[measurements](#)
[mixer](#)
[mixers](#)
[models](#)
[multi-technology](#)
[multiple_pdk](#)
[new_user](#)
[noise_figure](#)
[oscillators](#)

P-R

[pa](#)
[passivity](#)
[pcb](#)
[pdk](#)
[phase](#)
[product](#)
[product_marketing](#)
[productivity](#)
[remote](#)

S

[schematic_connectivity](#)
[scripts](#)
[shape_modifiers](#)
[simulation](#)
[smooths2ptestlabel](#)
[stability](#)
[stackup](#)
[support](#)
[switch_views](#)

T-Z

[temperature](#)
[testbench](#)
[tutorial](#)
[utility](#)
[v13](#)
[v14](#)
[video](#)
[vss](#)
[vss_tips](#)
[webinar](#)
[yield_analysis](#)

0-9

[3d_parts](#)

- Modified S-Probe Circuit Element for Stability Analysis
- More Information on Visual Basic Scripting in AWR Design Environment
- Mouse Sensitivity Changes When Running AWR Design Environment
- Murata Library Parts in Hspice
- My Drawing Layers are Jumbled Up Visually
- NL_AMP IP2H Parameter Explanation
- Noise Figure of a Passive Structure
- Nonlinear Convergence Problems for Curtice Models
- NXP (previous Freescale) LDMOS Availability
- NXP LDMOS (previously Freescale) Models Do Not Simulate Correctly
- Ports in Analog Office
- Printed Circuit Board (PCB) Layout Application Note
- Printed Circuit Board (PCB) Layout Application Note 2 - Multi-Level Layout
- Problem Saving Layout Rulers in GDSII or DXF Artwork Cells
- Problem Using Visual Basic Help
- Real vs. Complex Envelope Signals in MIXER_B, MIXER_F
- Remote Simulation Computer Recommendations
- Running Assura DRC from AWRDE
- Running Calibre DRC from AWRDE
- Setting Initial Conditions for HSPICE Simulations
- Simulation Hangs When Using Modelithics Parts
- Teaching a University Course on RF Design
- Ten Things Every Designer Should Know When Using AXIEM
- The Noise Figure (NF) of a Combiner
- Things to Know About New Load Pull
- Third Party Vendor Libraries
- Touchstone File Repair Utility
- Trouble Entering Text
- Tuner Display - Different Sources With the Same Parameters
- Turning Off the Startup Splash
- Unable to Use Scripting Environment or Run Scripts in Windows 10
- Understanding AWR .emz Files
- Using DXF Format with the AWR Design Environment
- Verifying the AWR Design Environment Installer
- Viewing Time Measurements from Harmonic Balance
- Warning Message Regarding Frequency Band Crossing DC
- What Assumptions Are Currently Made For The Phase Shifter Measurements
- What Does X on Stability Circles Mean
- What Should I Consider When Using Switch Views With Named Ports
- Which CPW Line Models Support Backside Ground Effects
- Why are the Vendor Libraries not Appearing in the Elements Tab
- Why Can't I See Connection Lines in the Layout
- Why Can I Not Select a Ratline to Route an iNet
- Why Does FREQ 1 GHz Appear In Simulation Dialog For Oscillator Measurements
- Why does some part of my layout look dim when I print it out
- Why Does the AM AM Plot of a 3rd Order Product of AMP_B Not Have a Slope of 3 as Expected
- Why do I get a Microsoft VC90.CRT error when I install
- Why Don't Output Equation Units Match Corresponding Measurements
- Why don't the VBIC IV Curves match in MWO and ADS
- Why Do Round Graphs Appear Oval When I Use Remote Desktop
- Why Do Some Traces Disappear From a Measurement Graph After Yield Analysis Is Completed
- Why Do Unwrapped Phase Results Look Incorrect
- Why is there a Dip Bump In the AM AM curve of the Fundamental Tone of AMP_B