Agilent Announces Industry's First MIPI M-PHY Receiver and Transmitter Tests with Switch Automation

WDD Staff

Agilent Technologies [1] (Santa Clara, CA) has announced the industry's first MIPITM M-PHY physical layer receiver and transmitter tests with switch automation. The tests are designed to accelerate the turn-on and debug of MIPI M-PHY-based systems and to provide design engineers an efficient way to ensure their M-PHY devices will interoperate with the application processor. The new offerings from Agilent and solution partner BitifEye provide an efficient means of testing multilane devices. Engineers can use them to easily resolve signal-integrity issues and conduct in-depth conformance tests and product validation and characterization, including margin tests.

This is the first time that complete receiver and transmitter testing—from initialization to result retrieval—has been shown with a real M-PHY/UniPro device running at HS Gear2 speed. Agilent U7249B-1FP MIPI M-PHY compliance test software runs on Agilent Infiniium 90000 Series oscilloscopes. The software provides physical-layer transmitter compliance measurements based on the MIPI M-PHY conformance test suite. Features include:

- Automates test for individual lanes on a multilane bus.
- Supported switch-matrix hardware models include Agilent's U3020AS26 and the BIT-2100 Series models from BitifEye.
- Agilent's N2809A PrecisionProbe oscilloscope probe and cable correction software can remove the loss and skew introduced when switch paths are added to the measurement setup.

For more information, visit www.agilent.com [1].

http://www.wirelessdesignmag.com/product-releases/2013/07/agilent-announces-industry%E2%80%99s-first-mipi-m-phy-receiver-and-transmitter-tests-switch-automation

Links:
[1] http://www.agilent.com