Introducing the JDSU T-BERD®/MTS-4000 Infineon Module and Dr. DSL® Software Option

Maximize DSL Testing with Powerful New Options

Field technicians using the T-BERD/MTS-4000 can capitalize on an advanced set of test functionality: a very high speed digital subscriber line (VDSL) module using an Infineon Technologies chipset and a licensed option for Dr. DSL diagnostic solutions from Aware, Inc. Both features provide additional testing power for field technicians who install and maintain access networks and high bit-rate triple-play services, including high definition television (HDTV) and Internet Protocol television (IPTV).

Optional Features

Infineon VDSL Module

– Provides interoperability with Ikanos, Accelity, and Broadcom VDSL2 chipsets
– Provides backward interoperability with ADSL2+
– Thoroughly qualifies VDSL2 access service: attenuation, noise margin, bits per tone, actual bit rate, maximum bit rate, percent capacity, and estimated loop length
– Data layer test options: PPPoE, PPPoA, IPoA, FTP throughput, and Web browser
– Test modes: Terminate, Through, and Terminal Equipment (TE)
– Available as Copper Module to provide copper testing capabilities of up to 30 MHz

Dr. DSL

– Adds copper testing capability to fiber-based T-BERD/MTS-4000 modules
– Includes Rate Reduction Expert, which estimates the data rate improvement once condition is repaired

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www.jdsu.com/test

JDSU T-BERD/MTS-4000
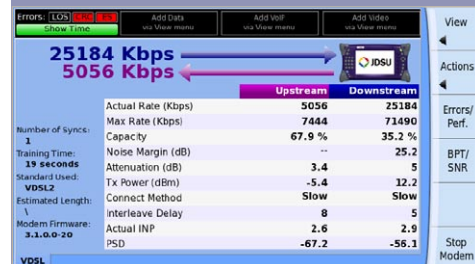## Infineon Module and Dr. DSL Software Option

Using the Infineon VDSL Module, technicians can test across VDSL and asynchronous digital subscriber lines (ADSL/ADSL2+), including Infineon and Broadcom VDSL 2 chipsets. The T-BERD/MTS-4000 Dr. DSL option enables technicians to perform far-end and in-home physical layer loop diagnostics, DSL access multiplexer (DSLAM), and customer premises modem emulation, asynchronous transfer mode (ATM) layer testing, and end-to-end IP connectivity.

Dr. DSL Test Options

– Dr. DSL Core adds limited copper functionality to a T-BERD/MTS-4000 without a Copper Module. Technicians can now measure loop length, presence of bridged taps, DSL statistics, and 300 kHz attenuation (insertion loss) with their non-copper T-BERD/MTS-4000.

– Dr. DSL OSP Expert adds additional copper functionality to a T-BERD/MTS-4000 without a Copper Module. Dr. DSL OSP Expert lets technicians measure loop length, detect bridged taps, perform spectral analysis to 2.2 MHz, and measure external noise.

– Dr. DSL Rate Reduction Expert lets users determine whether ADSL/VDSL service can be improved, and by how much, with noise improvement, bridged tap removal, determination of the data rate impact of crosstalk, and AM ingress.

VDSL test interface

The JDSU T-BERD/MTS-4000 is the industry's first combined fiber, copper, and triple-play tester.