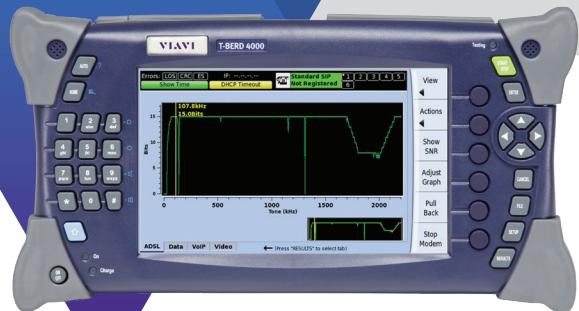


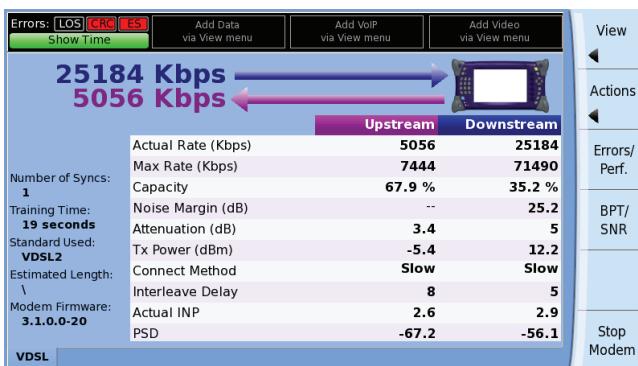
T-BERD®/MTS-4000

Infineon Module and Dr. DSL Software Option

Maximize xDSL Testing with Powerful 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).



VDSL test interface

Features

Infineon VDSL Module

- Provides interoperability with Ikanos, Accelity, and Broadcom VDSL2 chipsets
- Provides backward interoperability with ADSL/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, HTTP/FTP throughput, and Web browser
- Test modes: Terminate, Through, and Terminal Equipment (TE)
- Provides testing capabilities up to 30 MHz with optional copper module

Using the Infineon VDSL Module, technicians can test across VDSL and asynchronous digital subscriber line (ADSL/ADSL2+), including Infineon and Broadcom VDSL2 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 (for ADSL/ADSL2+), and end-to-end IP connectivity.

Dr. DSL Test Options

- 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.
- 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 brings additional functionality to Dr. DSL Core. It allows technicians to view full loop topology, including the length of up to two taps; perform spectral analysis (to 2.2 MHz for ADSL2+); and measure external noise.
- Dr. DSL In-home Expert detects missing or mis-installed micro filters or other devices that impact DSL training.

Features

Dr. DSL (ADSL/ADSL2+ only)

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

Test Type	Dr. DSL In-Home
Test Data Received	30/10/2008 15:24:24
CO Modem Detected	Yes
Link Established	Yes
In-Home Test	Result
Line Too Noisy To Detect Missing Microfilters	No
CO Too Close To Detect Missing Microfilters	No
Wiring Faults	No

Dr. DSL Test Interface



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