

HST-3000

VDSL2 Service Interface Module (SIM)

Highlights

- Test the technology, test the service, improve the process
- Thoroughly qualifies VDSL2 access service: Attenuation, Noise Margin, Bits per Tone, Actual bit rate, Maximum bit rate, % Capacity, and Estimated Loop Length
- Data layer test options: PPPoE, PPPoA, IPoA, FTP throughput, and Web Browser
- Test interfaces: VDSL2-wire and Ethernet 10/100
- Option copper test capability up to 30Mhz
- Test modes: Terminate, Through, and TE (Terminal Equipment)
- Flexible, modular design allows you to buy what you need now and easily upgrade later in the field



In one lightweight, robust, battery operated tester, the JDSU HST-3000 offers more testing power than any other handheld tester on the market. Its scalable, modular design cost-effectively addresses today's needs. Upgrade later in the field to meet emerging requirements through plug-in hardware modules and software options.

JDSU's HST-3000 VDSL2 SIM delivers comprehensive VDSL2 test support including VDSL2 physical layer, Data layer, and Services (Web, VoIP, and IPVideo) in one module. Optional data service test support includes: PPPoE, PPPoA, IPoA, Bridged Ethernet, DNS client, DHCP client and server, as well as FTP throughput, Web Browser, IP PING, and IP Trace Route. Test modes include: Terminate Mode (VDSL2 modem emulation), Through mode (VDSL2 to Ethernet), and TE mode (Ethernet). With a simple to use GUI, the ability to store multiple configurations and auto test routines, VDSL2 service provisioning and troubleshooting becomes efficient and thorough. Using scripting features of the HST, specific test scenarios can be consistently performed. Using the results storage and export features of the HST-3000, key VDSL2 line parameters can be captured for benchmarking and later used in trouble resolution.

Test the Technology

- Max bit rate
- Actual bit rate
- Loop attenuation
- Noise Margin
- Percent (%) capacity
- Bits per tone
- Estimated loop length
- VDSL chipset support dependent on SIM part number
 - *Ikanos*
 - *Connexant*
 - *Infineon Aware*

Test the Service

- Data PPPoE, PPPoA, IPoA, Bridged Ethernet
- DNS, DHCP Client/Server, IP PING, IP Trace Route
- FTP throughput
- Web browser

Improve the Process

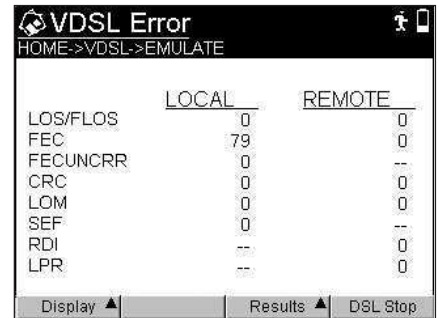
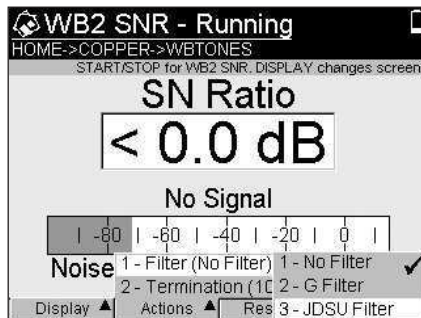
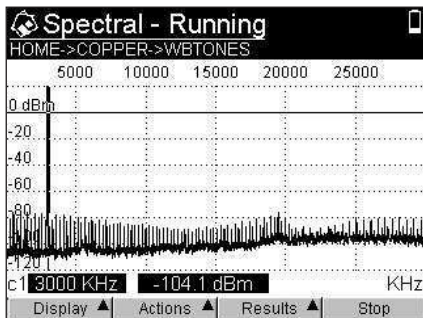
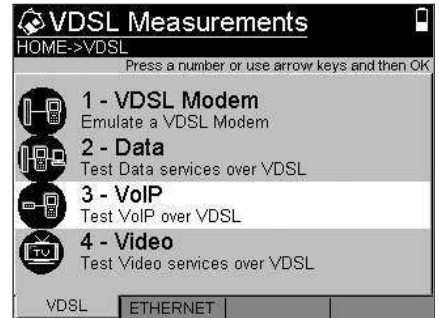
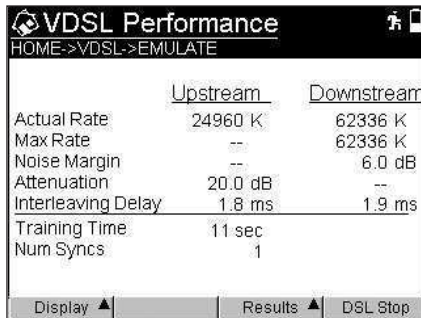
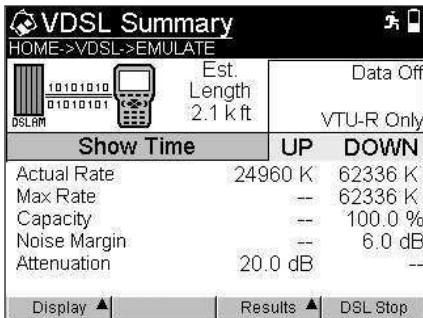
- Multiple configuration storage
- Test results export, serial, USB, Ethernet
- FTP throughput
- Web browser

Added benefits

- VoIP and IP video testing over VDSL2 support
- Three modes of operation: Terminate, Through, and TE

The HST-3000 boasts advanced scripting features to improve compliance with operator Methods and Procedures, through interactive, one-button auto-tests. These tests are fully customizable on a per-customer basis, to include pass-fail thresholds.

Use the HST-3000 everywhere you need to quickly isolate your troubles: the network "IN," the loop "OUT" or the CPE. The handheld, rugged and easy-to-use HST-3000 is ideal for field use. It is compact, rugged and can be used in almost all conditions, from inside the CO/Exchange to outside in moderate rain.



Ordering information
WBII Only SIMs (Modules)

HST3000-WBII (CHST-M34) Wideband Copper II SIM

Combination WBII and VDSL/VDSL2 SIMs (Modules)

HST3000-VDSL-CNXT VDSL with Conexant Chipset SIM

HST3000-CUVDSL-CNXT VDSL and copper with Conexant Chipset SIM

HST-3000-VDSL-CNXT-WB2 VDSL and copper (up to 30 MHz) with Conexant Chipset SIM

HST3000-VDSL-IK VDSL with Ikanos Chipset SIM

HST3000-CUVDSL-IK VDSL and copper with Ikanos Chipset SIM

HST-3000-VDSL-IK-WB2 VDSL and copper (up to 30 MHz) with Ikanos Chipset SIM

HST3000-VDSL-INF VDSL with Infineon Aware Chipset SIM

HST3000-CUVDSL-INF VDSL and copper with Infineon Aware Chipset SIM

HST-3000-VDSL-INF-WB2 VDSL and copper (up to 30 MHz) with Infineon Aware Chipset SIM

Available SIMS (Modules)

HST3000-DC Datacom SIM

HST3000-4WLL 4 wire local loop

HST3000-T1 Dual TX/RX bantam T1 interface and T1 software option

HST3000-CT1 Dual T/R/G interface for copper testing and dual TX/RX bantam T1

HST3000-T3 Dual TX/RX bantam T1 interface, and dual RX/single TX BNC DS3 interface and DS3 software option

HST3000-BRI ISDN BRI option

HST3000-ARCE ADSL (ATU-R) option

HST3000-CAR Copper (ATU-R) option

HST3000-CU Dual T/R/G interface to copper test option

HST-GSH G.SHDSL option

HST3000-CuCE Cu only SIM, CE mark

HST3000-CARCE Cu and ATU-R (Annex A) SIM, CE mark

HST3000-ARCA ATU-R/C dual mode SIM, AoPOTS

HST3000-CARCA Cu and ATU-R/C dual mode SIM, AoPOTS

HST3000-ARB Annex B ATU-R SIM

HST3000-CARB Annex B Cu/ATU-R SIM

HST3000-ARCB ATU-R/C dual mode SIM, AoSDN

HST3000-CARCB Cu and ATU-R/C dual mode SIM, AoSDN

HST3000-CSHCE G.SHDSL and Cu SIM

HST3000-BLK Blank SIM

HST-BRA ETSI (Euro) ISDN BRA SIM

HST-BRA ETSI (Euro) ISDN BRA SIM

HST3000-ETH 10/100/1000 Ethernet SIM

HST3000-WB2 Wide Band 2 (up to 30 MHz) copper test SIM

HST3000-AR2A ADSL1/2/2+ (ATU-R, Annex A)

HST3000-AR2B ADSL1/2/2+ (ATU-R, Annex B)

HST3000-CAR2A ADSL1/2/2+ with copper (ATU-R, Annex A)

HST3000-CAR2B ADSL1/2/2+ with copper (ATU-R, Annex B)

Software options

HST3000-AR2A ADSL2+ (ATU-R, Annex A)

HST3000-AR2AB ADSL2+ (ATU-R, Annex A/B)

HST3000-AR2B ADSL2+ (ATU-R, Annex A)

HST3000-OPTETH Optical Ethernet

HST3000-MSTR Multiple Streams

HST3000S-IP-Video IP Video Analysis

HST3000S-VoIP VoIP Analysis

HST3000S-MOS VoIP Mean Opinion Score

HST3000S-H.323 H.323 VoIP Signaling

HST3000S-SCCP SCCP VoIP Signaling

HST3000S-SIP SIP VoIP Signaling

HST3000S-MGCP SCCP MGCP VoIP Signaling

HST3000-PS Pulse Shape software option

HST3000-FR Frame Relay software option

HST3000S-IP Advanced IP suite – PING and Through mode support

HST3000S-WEB Web browser option

HST3000-WBTONES WB TIMS option

HST3000-RFP RFL option

HST3000S-VOIP VoIP software analysis option

HST3000-FTP FTP software option

HST3000-SCRIPT Scripted test option

HST3000S-H.323 VoIP Signalling call controls for H.323

HST3000S-SCCP n for Cisco SCCP

HST3000S-SIP VoIP Signalling option for SIP call control

HST3000-PCMSIG Signalling (PCM) software option

HST3000-PCMTIMS TIMS (PCM) software option

HST3000-T1DDS DDS-T1 software option

HST3000-PRI ISDN PRI software option (NC Standard)

HST3000-SPE Spectral Noise software option

HST3000S-MOS MOS (Mean Opinion Score) Analysis option

HST3000S-UNISTIM VoIP signaling option for Nortel Unistim

HST3000S-VMOS Video MOS analysis option

HST3000S-VIDEO Video analysis option

Wideband Copper SIM Cables

CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and (2) C70901

CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505

CB00688 Tip(A) - Ring(B) - Ground 4MM connectors

CB00686 Tip1(A1) - Ring1(B1) -Ground 4MM connectors

C70901 4MM Telco Lineman Clips

S1505 4MM Clip Package

Test & Measurement Regional Sales

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