Agilent J2126A / J2127A

Transmission Test Sets

Firmware Release History
A.05.02

Agilent Technologies

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Manual Part Number

Not Applicable

Edition

A.05.02, February 2004

Printed in UK

Agilent Technologies UK Limited
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In This Book

This document contains the instrument firmware release histories for the Agilent J2126A and J2127A Transmission Test Sets.

Firmware can be downloaded from:

http://www.agilent.com/find/J2126A-J2127A

Contents

1 Firmware Release History

A.00.49 – 20 Sep 01

First production release of J2126A and J2127A firmware.

A.00.53 – 01 Oct 01

Incremental on A.00.49

Service Items

Minor non-conformaties corrected.

A.00.54 – 08 Oct 01

Incremental on A.00.53

Service Items

Minor non-conformaties corrected.

A.00.57 – 22 Oct 01

Incremental on A.00.54

Service Items

Minor non-conformaties corrected.

A.00.58 – 22 Oct 01

Incremental on A.00.57

Service Items

- 2.5Gb/s optical LOS response time speeded up
- Minor logging non-conformaties fixed for SONET.
- Help file additions.
- Clear **all** results at start of gating.

A.00.64 – 25 Jan 02

Incremental on A.00.58

Service Items

- Various cosmetic printing non-conformaties (Freq Meas, Optical Power, Serial Number) corrected
- Context Sensitive Help non-conformaties corrected

- Rx AU-4-64c bit errors now measured bit-based rather than block-based
- Manual Paper feed operation during printing no longer causes lost data

A.02.04 – 05 Jun 02

Major feature release, built upon A.00.64 feature set.

New Features

- J2129A Enhanced Testing features including VT/TU, PDH/DSn, Pulse Mask, RTD, Service Disruption, electrical interfaces, Signal Wizard for VT/TU/PDH/DSn and numerous supporting features.
- Measurement Record System
- Drop and Insert from SDH/Sonet and PDH/DSn rates.
- ITU M.2110 and M.2120

A.03.02 – 13 Jul 02

Major feature release, built upon A.02.04 feature set.

New Features

- Intrusive Thru Mode added.
- Support for Short Reach 1310 and 1550 10Gb/s optics (Options 120, 121).
- 6-slot Chassis (Option 006).
- Option 800 (Tighter specification on 10Gb/s Transmit Wavelength).
- Option 103 now supported within 4 and 6 slot chassis.
- Support for new variant of 2.5Gb/s optics assembly.

A.03.04 – 13 Sep 02

Major feature release, built upon A.03.02 feature set.

New Features

- Signal Wizard – SONET/SDH/MIXED traffic identification.
- Sonet GUI has a new preference control to refer to B1,B2,B3 error types.
- Sonet channel numbering has a new preference control to revert to the older standard of a single STS #n style number.
- Electrical levels for DS1, DS3, STS-1e are now additionally in dBdsx.

- Signal Wizard Out-Of-Service pattern detection included.
- Additional SCPI backwards compatibility enhancements.

Service Items

- Measurement Record System Menu changes for easier use.
- ITU Analysis GUI corrections.
- Pulse Mask now handles monitor level signals correctly.

A.04.01 – 14 Oct 02

Major feature release, built upon A.03.04 feature set.

New Features

- Ethernet testing added.
- RFC2544 Application added (in support of Ethernet testing).
- Multiple-instruments interface added in support of simultaneous Ethernet and SONET/SDH testing.

A.04.02 – 27 Nov 02

Incremental on A.04.01

Service Items

Minor non-conformaties corrected.

A.04.03 – 12 Dec 02

Incremental on A.04.02

Service Items

Minor non-conformaties corrected.

A.04.04 – 07 Mar 03

Major feature release, built upon A.04.03 feature set.

New Features

- Payload Overwrite during THRU mode
- AutoConfigure
- DHCP and Auto-IP for network connections
- Support for new **Remote Test Software**

A.04.05 – 16 Apr 03

Incremental on A.04.04

Service Items

Minor non-conformaties corrected.

A.04.06 – 08 Jul 03

Incremental on A.04.05

New Feature

- Measurement Record now offers Frequency and Optical Power measurements.

Service Items

- Auto-configure and Signal Wizard were wrongly reporting a DS3/DS2 framed signal as DS3/DS1 unframed.
- THRU MODE dialog box – text and cursor navigation improvements.
- RFC2544 – text added to emphasise that the Estimated Time is the best achievable.

A.05.02 – 09 Feb 04

Major feature release, built upon A.04.06 feature set.

New Features

- ISO Layer-1 GbE BER pipe test application
- Option-324: Enhanced Ethernet testing with IP layer-3 support inlcuding ARP and PING
- Ethernet logging enhancements to improve readability
- DS1 loopcodes now have legends indicating older terminology

Service Items

- RFC2544 INITIALIZATION phase now better accommodates Cisco Catalyst switches
- DCC selftest now correctly observes the selftest cabling field
- Concatenated AU/STS mapping fields now correctly recalled via Stored Settings
- Pointer Adjustment detection now correctly working on all STS-1 SPE channels

- RFC2544 display emphasises that the estimated test time is the theoretical maximum

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