

# E7495A/B Base Station Test Set Firmware History

Rev: 16 January 2004

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**Note: This list is provided for informational purposes only and is not complete.**

## **A.02.10 (16 January 2004)**

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### New Features:

- Codogram added to CDMA Analyzer and CDMA Over the Air (Options 200 and 210)
- Group Max averaging has been added to the spectrum analyzer, channel analyzers, and antenna measurements.
- Help system now available for submenu buttons on W-CDMA Analyzer (Option 240) and Adjacent Channel Power (Option 220) (minimal)
- Noise correction now available for Adjacent Channel Power (Option 220).
- Simultaneous operation of CW and complex signal generator now available in Spectrum Analyzer Channel Analyzers and Antenna Measurements.
- Faster sweep speed in Spectrum Analyzer mode
- Frequency panning (Agilent patented feature) now added to Spectrum Analyzer
- Distance to Fault display resolution improvement
- Improved Time Gating in Distance to Fault mode (0 dB Step response at 0 distance after calibration)
- Distance to Fault display now shows the DC component and has 4 fault indicators.
- Open cables added as a selection in Distance to Fault measurement.
- Graphic User Interface (GUI) responsiveness improvement (all measurement modes)
- New Power save mode with auto-dimming display brightness timer
- Battery Reconditioning now available via front panel interface (only available on instruments with serial numbers US43410240 and later)
- New Battery Status Metrics (only available on instruments with serial numbers US43410240 and later)
- Internal time base can now be field adjusted via front panel using GPS signal

### Defect fixes / other changes:

- W-CDMA code domain power marker to next peak now works properly (Option 240).
- Channel Scanner step size now saved with Save State (Option 220).
- Channel Scanner Meas Time and Meas BW are now restored with a Recall State (Option 220).
- Save Data and Print Screen will prompt the user if a file is going to be overwritten.
- Agilent Technologies added to Print Screen images
- The default Save State changed from a default of Powerup to User
- Problem of help system getting lost in E1/T1 (Options 700 and 710) and Channel Scanner (Option 220) now corrected.
- External loss buttons now have on/off toggle.
- Fraction channel numbers now displayed when toggling from a frequency that doesn't correspond to a channel.
- A decimal point can now be entered for Adjacent Channel Power offsets (Option 220).

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## **A.02.00 (15 October 2003)**

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New Features:

- Support for E7495B hardware
- W-CDMA (UMTS) Analyzer (Option 240)
- E1 Analyzer (Option 710)
- DC Bias – 12 volt output (E7495B only, Option 300)
- Adjacent Channel Power Measurements added to Channel Scanner (Option 220)
- Additional External Reference input frequencies (E7495B Only):  
1 MHz, 2.048 MHz, 4.95 MHz, 13 MHz, 15MHz
- Group averaging type (on most receiver measurements)
- Sub-hertz frequency error resolution on Channel Scanner

Defect fixes / other changes:

- Fixed some marker problems for Spectrum Analyzer mode
- Fixed signal resolution problem in Spectrum Analyzer mode
- Fixed channel scanner frequency list entry defect
- Fixed some problems as a result of going into sleep mode
- Lowered the default T1 volume

## **A.01.60**

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New Features and Enhancements:

- Single Port Insertion Loss
- Antenna Measurement improvements
- File Name on Print Screen
- Channel Scanner Peak Power
- Improved Upgrade Process
- T1 Sound and Volume
- Insertion Loss Range vs. Accuracy Optimization
- Help System Enhancements
- Spectrum and Channel Scanner Auto Range Hold

## **A.01.51**

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New Features and Enhancements:

- Made setting Signal Generator amplitude work correctly when RF Out Loss was also entered

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## **A.01.50**

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New Features and Enhancements:

- CDMA2000 modulation for Signal Generator
- GPS Receiver always on
- GSM 950 Channel Standard added
- Channel standard coupled to the format in the channel scanner
- Interference Rejection has been added to the antenna measurements
- Higher and low sensitivity setting added to the Spectrum Analyzer mode and Channel Scanner
- Improved T1 response time