Anritsu Master Software Tools

**** Release Note ****
V1.25 (Release date: 6/23/2006)

IMPORTANT NOTE:
1. Please restart MS Windows and assure that
   no other programs are running prior to
   beginning installation. This will minimize
   the chances of installation errors.
   If you have a previous version installed in your
   PC, it is better to uninstall before installing the new version.
2. Before installing Anritsu Master Software Tools, .NET Frame work v1.1 or
   above, should be installed. This can be found in the Anritsu Master Software
   Tools CD

                                           Or

http://www.microsoft.com/downloads/details.aspx?FamilyId=262D25E3-F589-4842-8157-034D1E7CF3A3&displaylang=en

Software Support:
   Within the U.S.:
        Call Anritsu Handheld Product Technical Hot Line
        at (972) 644-1777

   Outside the U.S.:
        Contact your Regional Anritsu Authorized
        Service Center. (Refer to the Handheld User's
        Guide.)

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V1.25

ADDED:
-   New firmware and Users guide for MS2024A, MS2026A, MS2721A,
    MT8220A and MT8222A.

BUG FIXED:
-   Channel Scanner Freq display issue fixed.

V1.24

ADDED:

- Now supporting Interference Analysis, Channel Scanner, Power Meter and T1 measurements.
- Group Edit. Change measurement title, subtitle, limits, markers and scaling across all open files or all measurement files in a folder.
- Print All. Print all open measurements quickly and easily. Select 1, 2, 3, 4, or custom (1-99) measurements/page in portrait or landscape.
- Full Trace Retrieval. Simple way to download hundreds or thousands of traces at once. This feature is found under the Tools menu and is used when there are too many traces on the unit for normal operation.
- Proxy support. The Program Options screen now has a tab page for setting network proxy information so our users can access Program Updates from more locations.
- Select quality (compression) for MST saved JPEGs.
- Print output and saved JPEGs can optionally include device and measurement summary tables.
- Can set default Landscape or Portrait mode for printing measurements.
- Will remember selected printer if you want MST to typically print to a different printer than system default.
- Can turn off Automatic Device File list when connection is established. With many hundreds of files, the response is too slow and can hang.
- Report generator options improved.
- Added Time labels to each bar in the Time Chart histogram.
- Added Context menu with 'Display Options', 'Save JPEG', 'Export CSV', 'Save all JPEGs, and 'Create as AVI'.
- Added 'Save all to JPEGs' feature - all SPA files are saved as a separate jpeg in an 'Images' subfolder.
- Added a 'Create AVI' feature that creates an AVI (movie) file from the measurement files.
- Added options for selecting size and quality (compression) when 'Saving all JPEGs'.
- Added options for selecting image size and measurement rate for AVIs.
- Added post-process filtering.

    a. Can filter based on the limit lines of a selected file
    b. Can filter based on deviation from the average power.
    c. Filtered files can all be copied to a selected folder.
    d. Filtered files are shown with a red background in the Spectrogram view and in the Time Chart Histogram.

- Folder Spectrogram will work with IA-Spectrum files.
- Added Trace math and trace smoothing similar to VNA.
- Improved Overlay selection.
- Added setting plot scaling (Top, Bottom, and Frequency range)
- Added changing the power units (dBm, dBV, V, W)
- User can directly enter marker frequency values instead of only moving with the mouse.
- Added Rho graph as an option.

- Added CSV export options. Now Real and Imaginary values are scaled correctly and the user can also select to include Mag/Phase in exported file.
- User can directly enter Marker frequency values instead of only moving with the mouse.

BUG FIXED:

- Units correctly shown in SPA mode.
- SPA files with invalid data points are 'fixed'. Frequency is fixed, out of bounds power values are ignored - previous value is substituted.
- Problem resolved where any accessed JPEG file became locked by the system until MST closed.
- Sort of fixed problem with non-US regional settings. Interim solution, but for now all files and display us US numeric conventions so files don't become corrupt.
- Fixed problem expanding from multiple graph view to a single graph in VNA mode.
- SPA limit lines and default scaling now consider Reference Level Offset.
- Corrected Units problem when mouse cursor is dragged to show position and distance in SPA mode.
- Will not let a user upload an antenna file with more than 20 antennas (this locks up the unit). A message is displayed explaining the problem.
- Fixed problem when Right-clicking the Network Devices list and selecting Unit Information - Always failed with an error.
- Fixed problem locking vxWorks.bin file when uploading firmware so now you can upload multiple times without restarting MST.
- 'Anritsu on the Web' Help menu item now works.
- Fixed mouse problems with EDGE displays for showing position, distance, etc.

V1.23

ADDED:

- Added support for HSDPA measurements with UMTS Master.
- Added support for GSM/Edge support with the UMTS Master.
- Added Folder Spectrogram for a composite view of "Save on Event" SPA measurements.

V1.22
ADDED:

- Support Downloading traces from Handheld Product & Uploading traces to Handheld Product for the following New Model MS2024A, MS2026A.
- New Option Upgrade menu used to upgrade options in the unit.

BUG FIXED:

- When the PC is not connected to network, if the user presses "Refresh Network Connections", the tool gives an error message with option "Continue" on "Quit", even when the user press "Continue" the tool hangs.

- About Screen added under Help Menu.
- Y-axis scaling feature is added, when the user do a Right clicking on the display.
- JPGs background is changed to white to avoid waste of toner, while printing.
- Device information and measurement parameter boxes are added in Pass/Fail editor.
- Mouse function -> Distance, mouse menu bar item is updated to reflect the changes.
- User can now edit Signal standard.
- Battery current display error fixed.
- Limit Lines is editable and the user can turn off the limit lines.
- Reset button, now resets Limit line default values in the Plot Setup Menu.
- With an 8220A in WCDMA mode, I capture the current measurement, which is RF summary. The peak to avg pwr reads 13.4 on the unit, and reads 134 in MST.
- User can display and edit a setup file and upload it to any unit they want.
- Added Channel Power and Channel Power Density Information in Channel Power Measurement traces.
- MT8220A - WCDMA - Pass Fail tests - retrieve file issue fixed.
- WCDMA - ACLR View - display marker issue fixed.
- WCDMA - RF views - displays units in marker table.
- WCDMA - OTA view - scrambling code values are not displayed with units.
- WCDMA - Band Spectrum View - marker display issue fixed.

V1.21
ADDED:
- Support Downloading traces from Handheld Product & Uploading traces to Handheld Product for the following New Model MS2721A, MT8220A & MS8911A.
- Code loading support added under Product Updates Menu.
- USB and Ethernet Communication support.
- New Antenna Editor.
- New Signal Standard Editor.
- New Pass/Fail Editor.
- New Language Editor.
- New App.Notes/Users Guide/Programming Manual viewer, under Help menu.
- New Dat file Conversion Tool.
- New Remote Access Tool.
- New Export as .CSV, .JPG.
- New Create Report Option.
- New Measurement Map (Requires Microsoft Map Point)