Anritsu

Automated Measurement Support

MD1230B, MP1590B
Data Quality Analyzer, Network Performance Tester

Simple script creation for auto measurements!
Ver. 9.4 function improvement

MD1230B Data Quality Analyzer

MP1590B Network Performance Tester

Key Features

Supports automated script creation
Batch setting without scripting

- **Remote batch setting tool (RemoteTester.exe)** [*1, *3]
- **Tcl/Tk remote control sample software (Remote Control Sample.tcl)** [*1, *3]
- **Rate calculation support tool for multi-streams (RateTool.exe)** [*3]
- **User script launcher (ToolMenuEditor)** [*2]
- **High-speed remote command operation** [*1]

*1: Requires Ethernet control option (Option 03 for MD1230B/ MP1590B/MX159001B, Option 10 for MX123001A)
*2: Added to main-frame software
*3: Added to SAMPLE folder in software CD-ROM

1. Outline

The communications business environment is becoming difficult due to increasing demands for more functions at lower cost. Repeated frequent upgrades due to increased transmission equipment port counts and addition of new functions are a burden from the perspective of inspection costs. Anritsu's automated measurement solutions help cut these rising test costs.

2. Measurement Automation support environment

A) Remote batch setting tool

This tool supports batch transmission of command strings written as text files to the measurement instrument, so even a novice with no programming skills can make batch settings using remote commands. It reduces the burden of setting operations and can be used to validate commands at script creation.
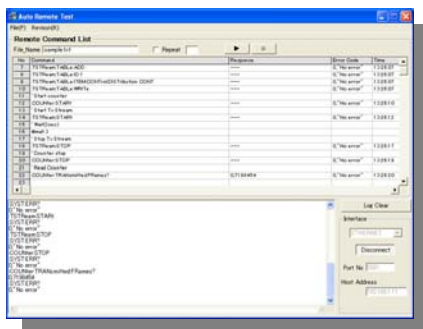

Figure 1: Display image (remote batch setting tool)

B) Tcl/Tk remote control sample software

This software library offers standard remote scripts.

- Source codes using Tcl/Tk
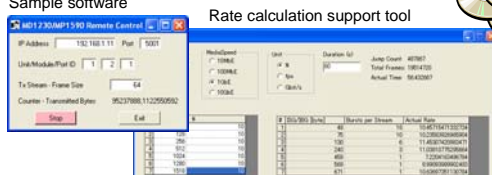- Rate calculation tool for multi-streams

Sample software
Rate calculation support tool

Figure 2: Sample software and Rate calculation support tool for multi-streams

C) User script launcher
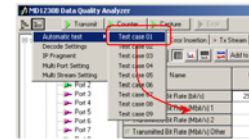
This supports management and startup of user scripts.

Figure 3: User script launcher

~ Examples ~

- **Creating Automation Scripts**
  A) Remote batch setting tool
  B) Tcl/Tk remote control software
  The software library makes script creation easy. Novices with little software programming experience can run the sample software to learn control commands for reference when creating scripts. And the operation of commands that are not in the sample library can be verified using the remote command batch setting tool.

- **Easy Verification of Multiple Test Items using Automated Scripts**
  C) User script launcher
  User-created automation scripts can be recorded at the instrument screen for easy recall of simple operations.

- **Simple and Fast Automated Operation Despite High Programming Level**
  A) Remote batch setting tool
  The remote command batch setting tool changes instrument settings without software programming to cut setting times.

3. High-speed remote command operation

Measurement times are slashed by the fast transmission start/stop required by most measurements.
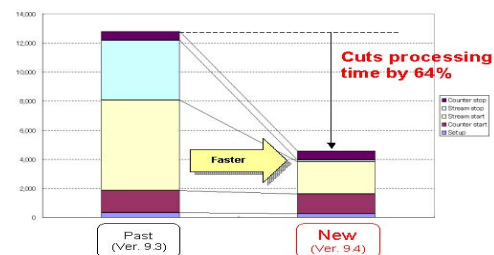

Figure 4: High-speed MD1230B remote command

* High-speed transmission start/stop is useful for port groups.
* Use the ":GENTry:TSTReam:STARt:SYNC OFF" command to start transmission faster. It is possible to synchronize transmission for grouped ports at one main frame using this command.