

MX787190F

MCTS Integration MCTS Integration Software

ME7873F W-CDMA TRX/Performance Test System

ME7874F W-CDMA RRM Test System

MX787190F

MCTS Integration Software

- Product Introduction -

November 2008
Anritsu Corporation
Version 2.00

Contents

1. Summary
2. How to Use
3. Usage Environment

Appendix

- Usage Precautions
- Restrictions



1. Summary

MX787190F MCTS Integration Software

This MCTS software supports continuous testing by automatically controlling multiple software applications used to control the ME7873F and ME7874F. Measurement and test efficiency are enhanced because users can combine test sequences freely and execute long test items overnight to get results next morning.



MX787190F MCTS Integration Software

Ten MCTS software options support the ME7873F/74F.

MCTS Software	Supported WI	TRX	Perf	RRM
TRX Test Software	WI-010/012/013	v		
Performance Test Software	WI-010/012/013		v	
WI-014 Test Software	WI-014	v	v	
TRX/Performance Test Software (Release6) *1	WI-024/076	v	v	
TRX/Performance Test Software (WI-025)	WI-025	v	v	
Performance Test Software (WI-049)	WI-049		v	
RRM Test Software	WI-010/013			v
RRM Test Software (WI-024)	WI-024			v
RRM Test Software (WI-025)	WI-025			v
RRM Test Software (WI-049)	WI-049			v

*1: At the GCF Meeting (CAG#15), it was decided that all 10 test cases in Chapter 9 of 3GPP TS34.121 defined as WI-024 would be deleted from WI-024 and newly defined as WI-076. The following part name has been changed in accordance with the changes in the GCF definitions.

TRX/Performance Test Software(WI-024) → TRX/Performance Test Software(Release6)

MX787190F MCTS Integration Software

At normal measurement using the MCTS software, continuous testing is performed by selecting any measurement item in each software. However, sometimes it is necessary to restart when testing other software because only one software application can be launched.

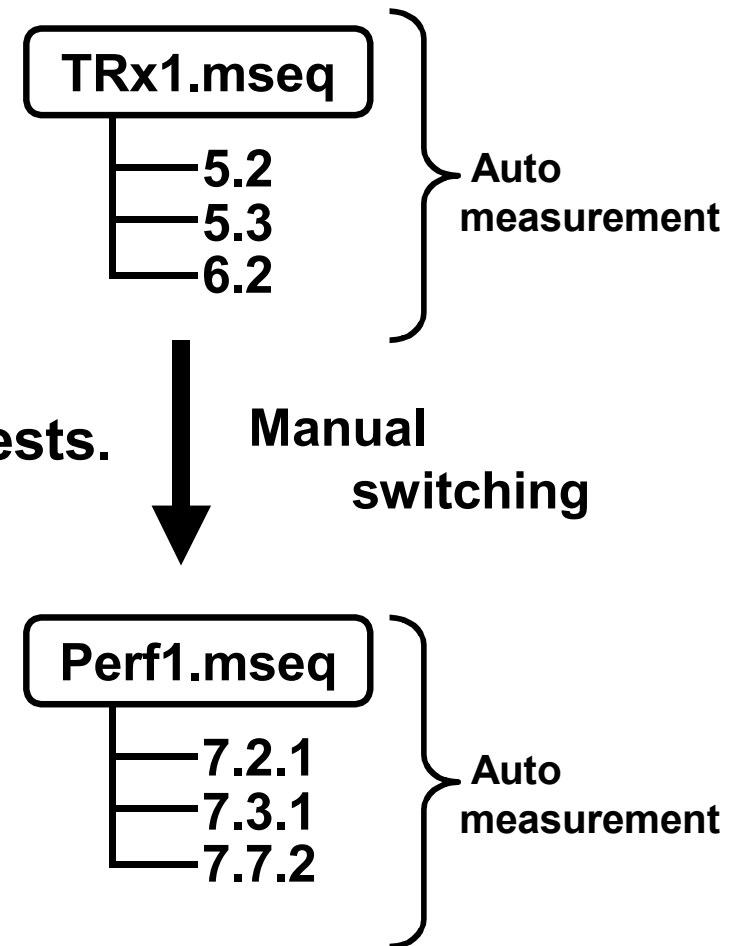
Using the MX787191F MCTS Integration Software supports continuous testing by using sequence files created by each software.

MX787190F MCTS Integration Software

Example: Successive TRX and Performance Tests

◆ Normal measurement

1. Start TRX software.
2. Select measurement items and create sequence.
3. Start tests.
4. Close TRX test software after end of tests.
5. Start performance test software.
6. Select measurement items and create sequence.
7. Start tests.
8. Complete tests.



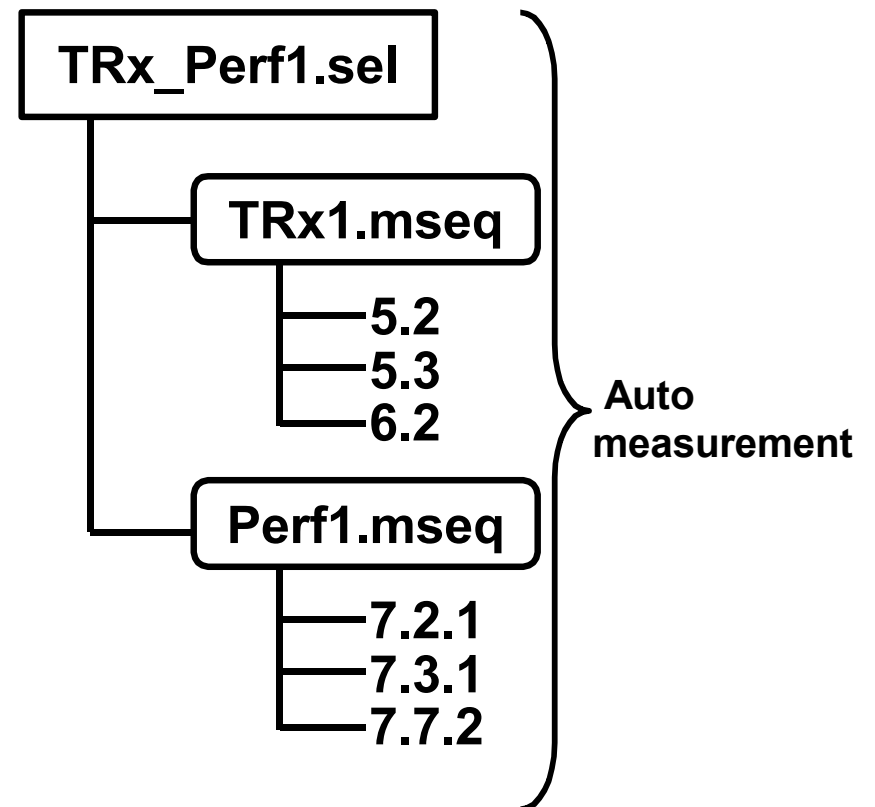
MX787190F MCTS Integration Software

Example: Successive TRX and Performance Tests

◆ Measurement using MCTS Integration Software

1. Start MCTS Integration software.
2. Select sequence files and create sequence list.
3. Start tests.
4. Complete tests.

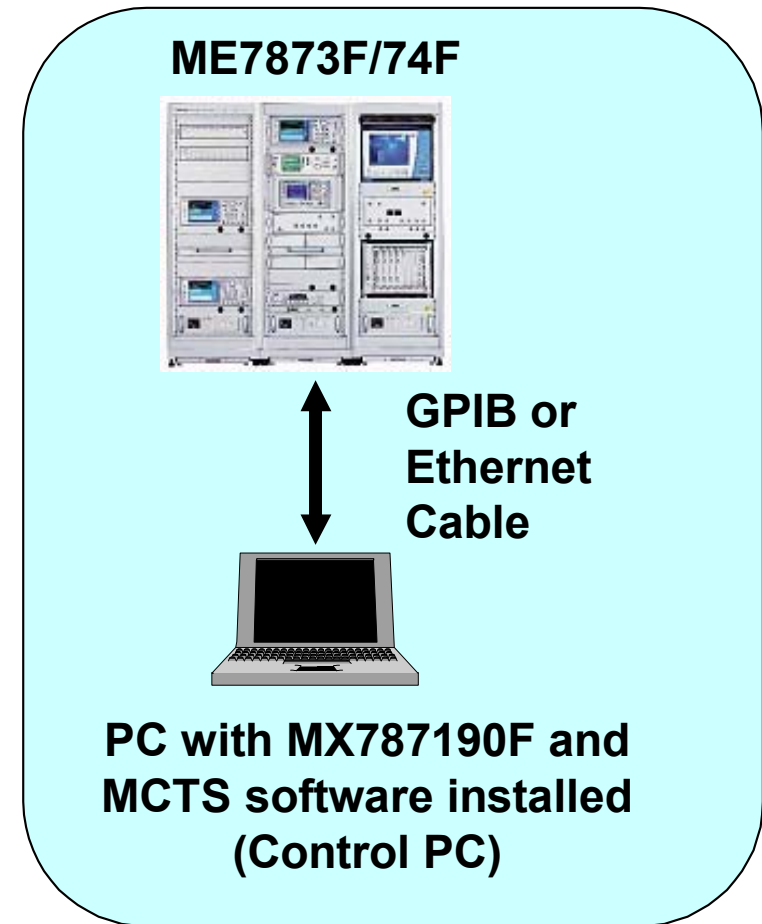
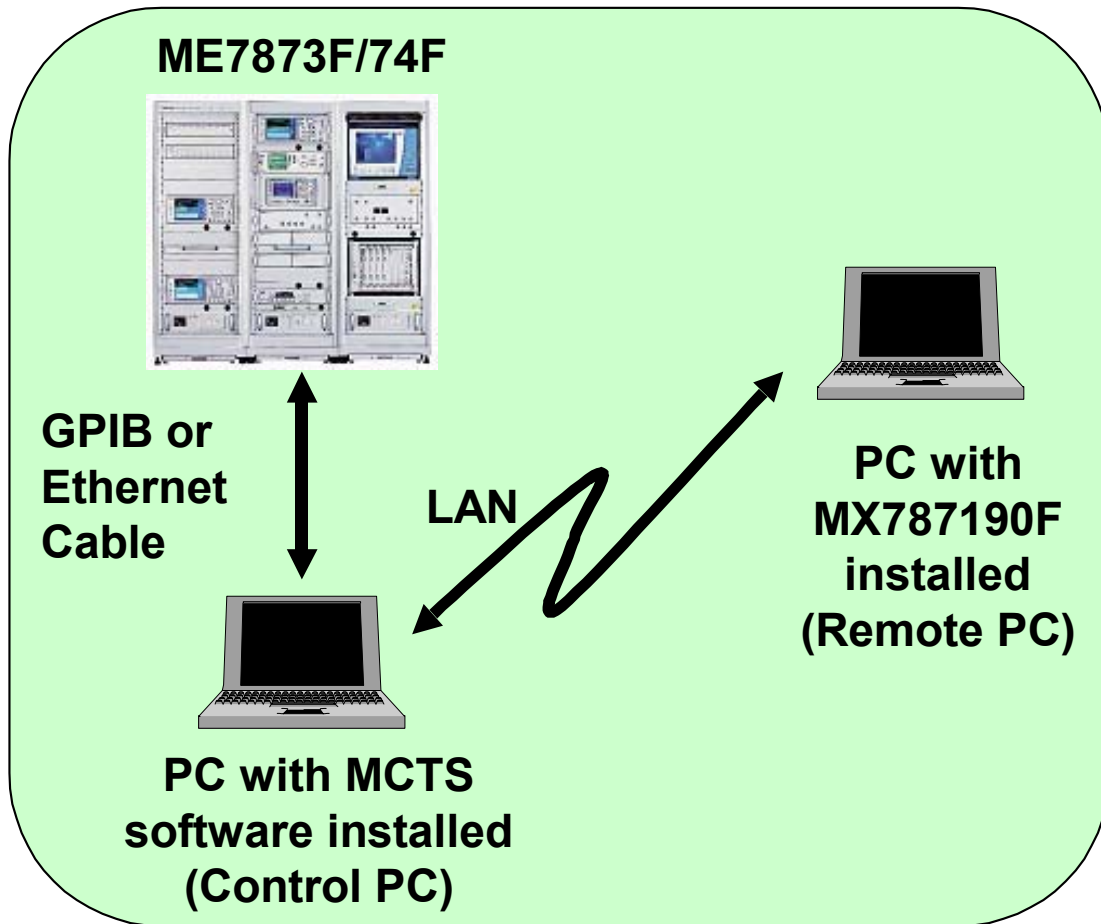
No need to set multiple MCTS software manually



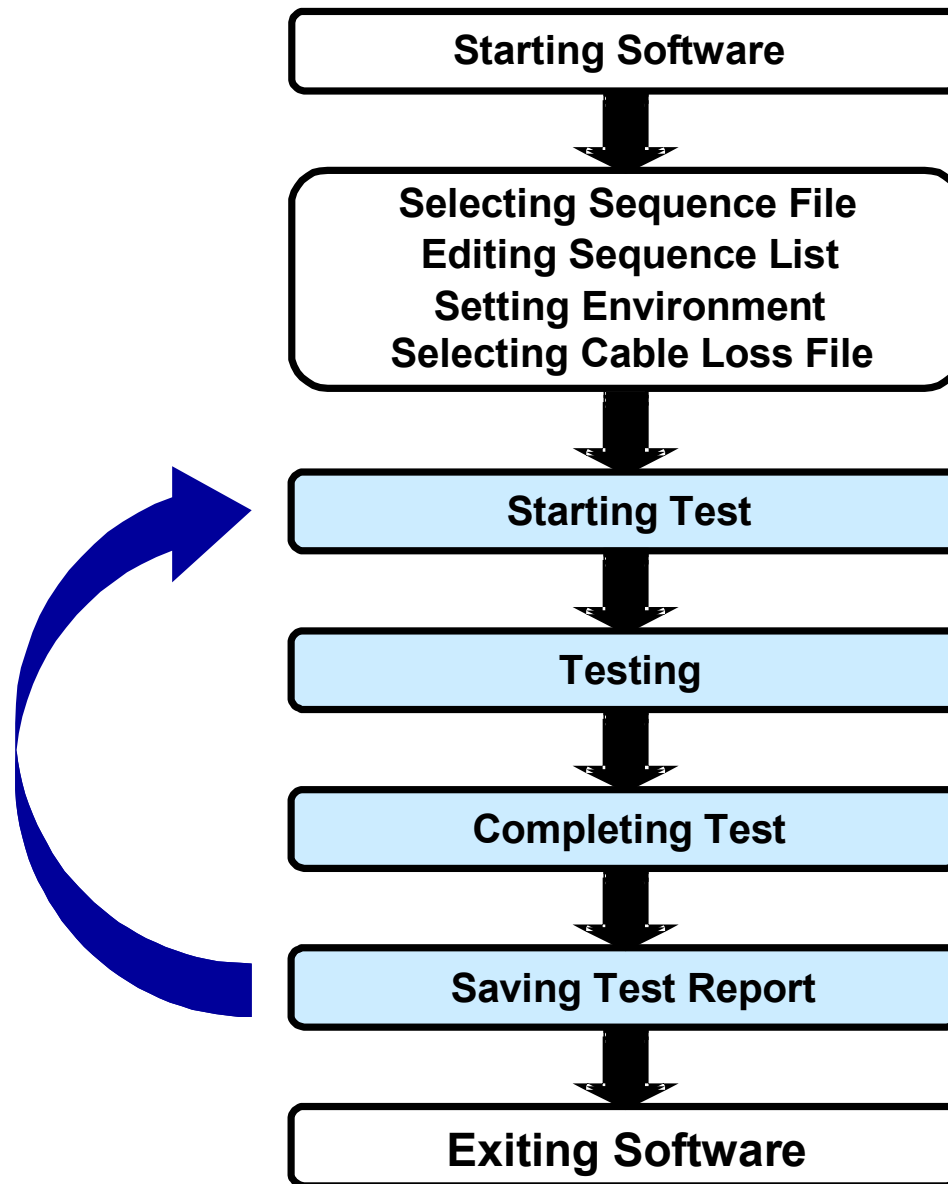
2. How to Use

System Setup

This software supports control of test software in the following two ways. (The user can install and uninstall the software in accordance with the manuals.)



Basic Operational Flow



Starting MCTS Integration Software

The following main screen is displayed when starting the MCTS Integration Software.

Toolbar:
Displays function buttons

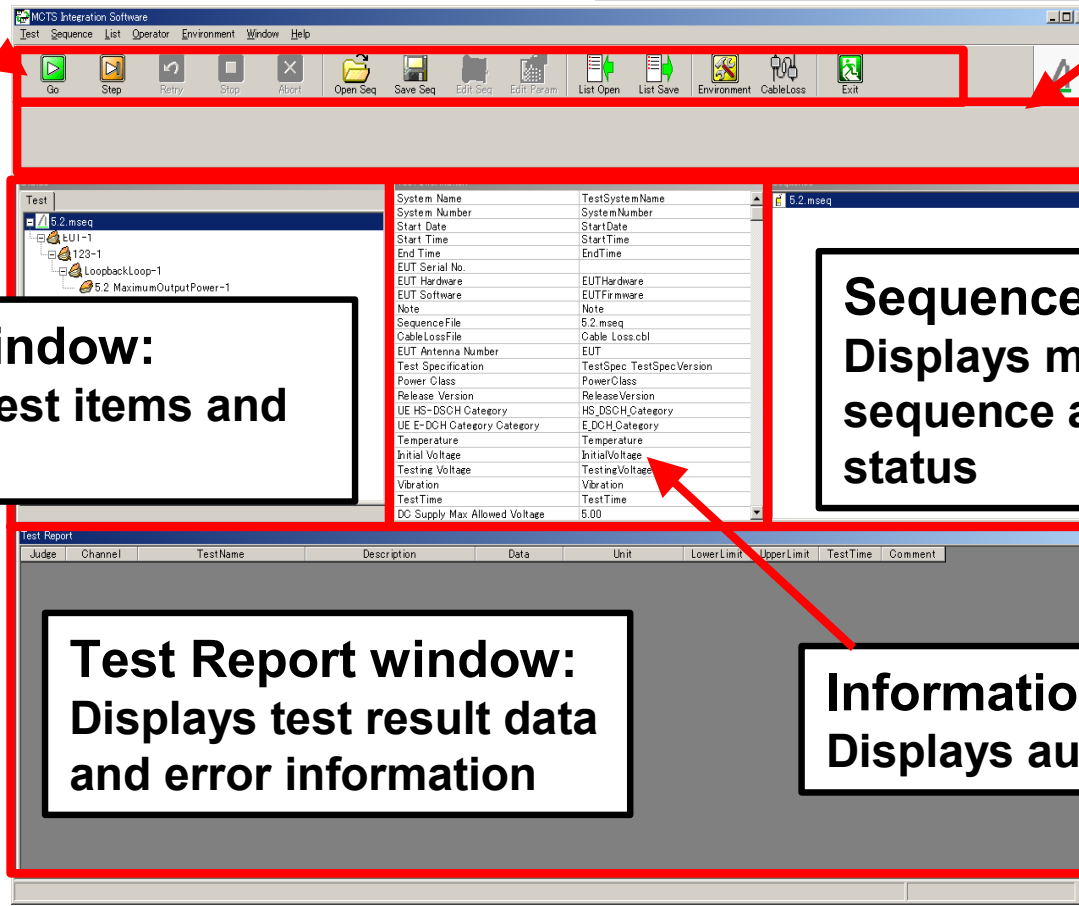
Status bar:
Displays test status by character

Status window:
Displays test items and progress

Sequence window:
Displays measured sequence and progress status

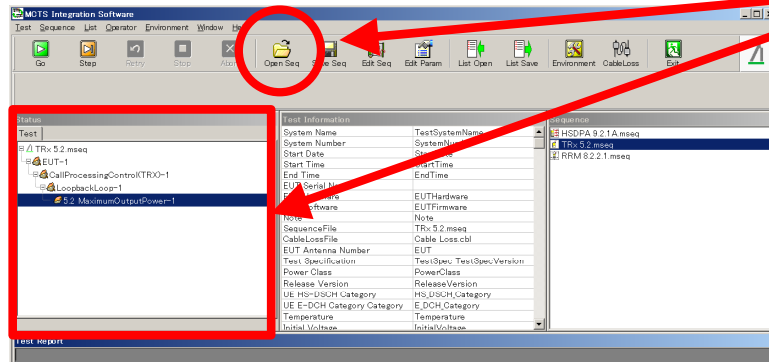
Test Report window:
Displays test result data and error information

Information window:
Displays auxiliary test records

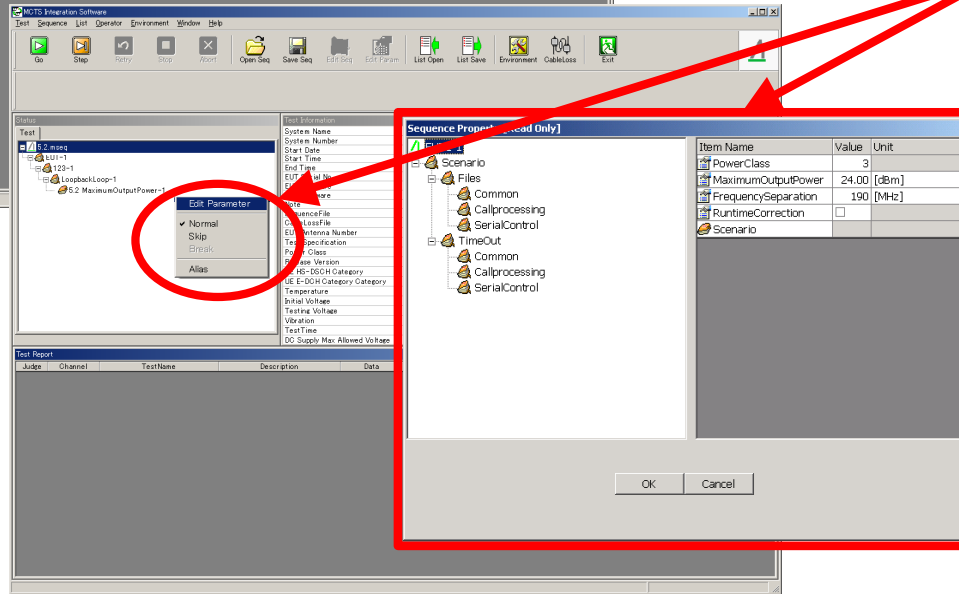


Selecting Sequence File

Select the sequence file as follows before starting tests.



1. Click the [Open Seq] button and select a sequence file. The information about the selected sequence file is displayed in the Status window.



2. Right-clicking a test item displays a pop-up menu to set detailed test conditions.

Editing Sequence List

The selected sequence file is added to the Sequence window. Successive tests are performed by creating sequence matching the user's testing plan.

1. Click the [Open Seq] button and select a sequence file.

2. Information about the selected sequence file is displayed in the Sequence window.

Test	System Name	TestSystemName
E2.mscq		
LUI-1		
LoopbackLoop-1		
5.2 MaximumOutputPower-1		

Field	Value
System Name	
System Number	
Start Date	
Start Time	
End Time	
EUT Serial No.	
EUT Hardware	
EUT Software	
Note	
SequenceFile	E2.mscq
CableLossFile	Cable Loss.cbl
EUT Antenna Number	
EUT	
Test Specification	TestSpec_TestSpecVersion
Power Class	
Release Version	Release Ver.000
UE HS-DSCH Category	HS_DSCH Category
UE E-DCH Category	E_DCH Category
Temperature	Temperature
Initial Voltage	InitialVoltage
Testing Voltage	TestingVoltage
Vibration	Vibration
TestTime	TestTime
DC Supply Max Allowed Voltage	0.00

Other Functions

Follow the same setting method for Setting Environment and Selecting Cable Loss File.

In addition, the functions listed below are the same as the MCTS software.

[Go] button: Measures test items successively

[Step] button: Measures test items one-by-one

[Stop] button: Stops test

[Retry] button: Measures current test item again

[Abort] button: Aborts test

3. Usage Environment

Product Configurations

This software application is supplied on DVD-ROM, which also includes an operation manual as a .pdf file.

The PC on which this software is installed should meet the following minimum specifications.

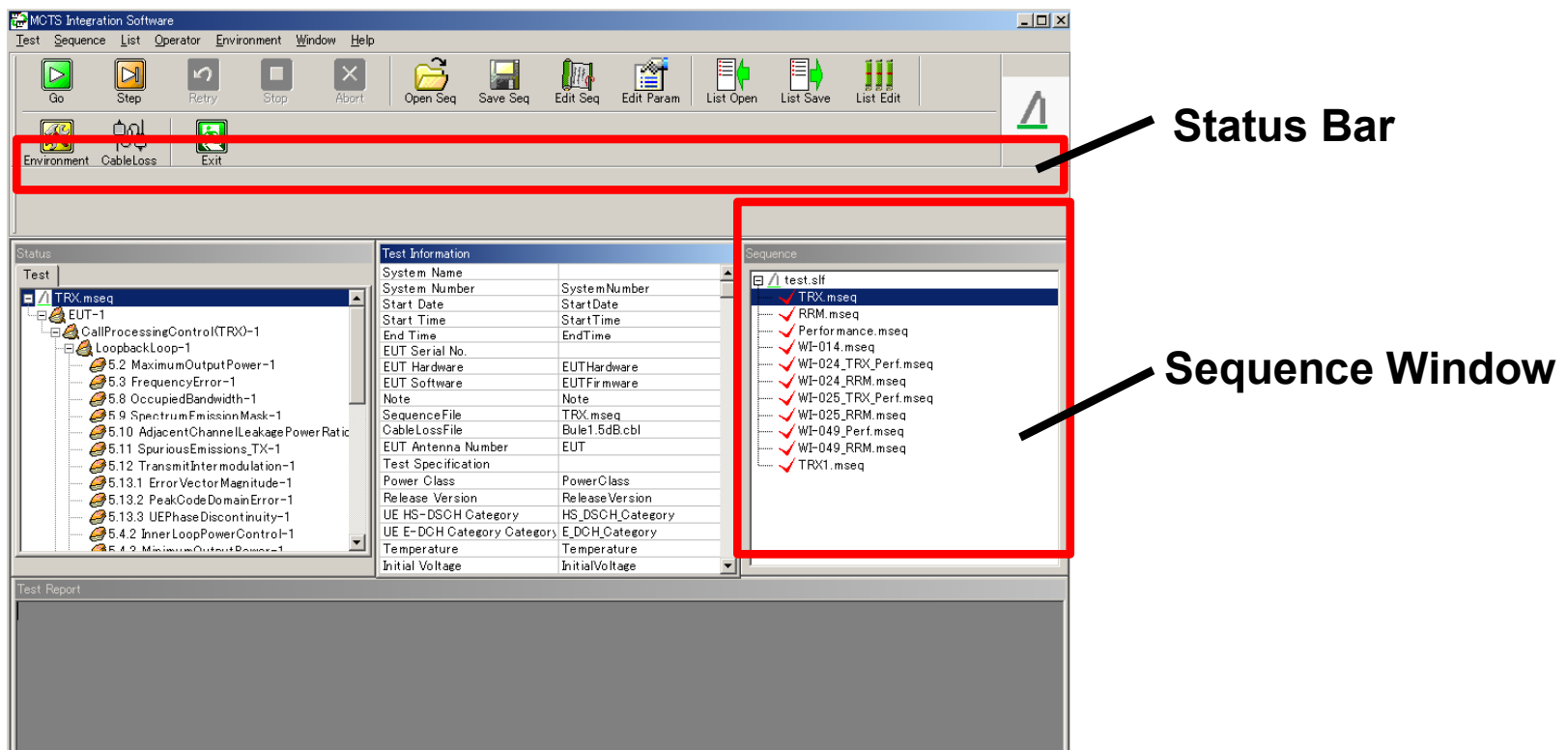
	Specification	Remark
CPU	Pentium 4 (2.4 GHz or higher) or Pentium M (1.6 GHz or higher)	Hyper-Threading/Dual Core not supported
OS	Microsoft Windows 2000 Professional SP4	English or Japanese
RAM	≥ 512 MB	
HDD	10 GB min. of free space	
Optical Drive	DVD-ROM	For installing software and version upgrades
Display	1024 x 768 Resolution min.	
Ethernet I/F	100BASE-TX	

Appendix

4. Usage Precautions

Usage Precautions (1/2)

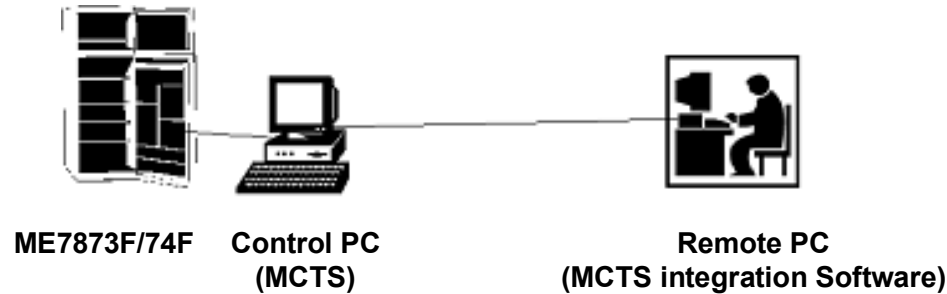
- Each software has a wait time of about 90 seconds before measurement starts after pressing the Go button while the Environment information is sent. (Comments are displayed on the status bar during setting.)
- The Sequence window cannot be used during measurement.



Main Screen

Usage Precautions (2/2)

■ Restrictions on using MCTS integration Software at PC other than MCTS PC



- The MCTS integration software is paired with the ME7873/74F main frame.
(Multiple remote PCs cannot be used to control one ME7873/74F.)
- Measurement results are saved only to the Control PC.

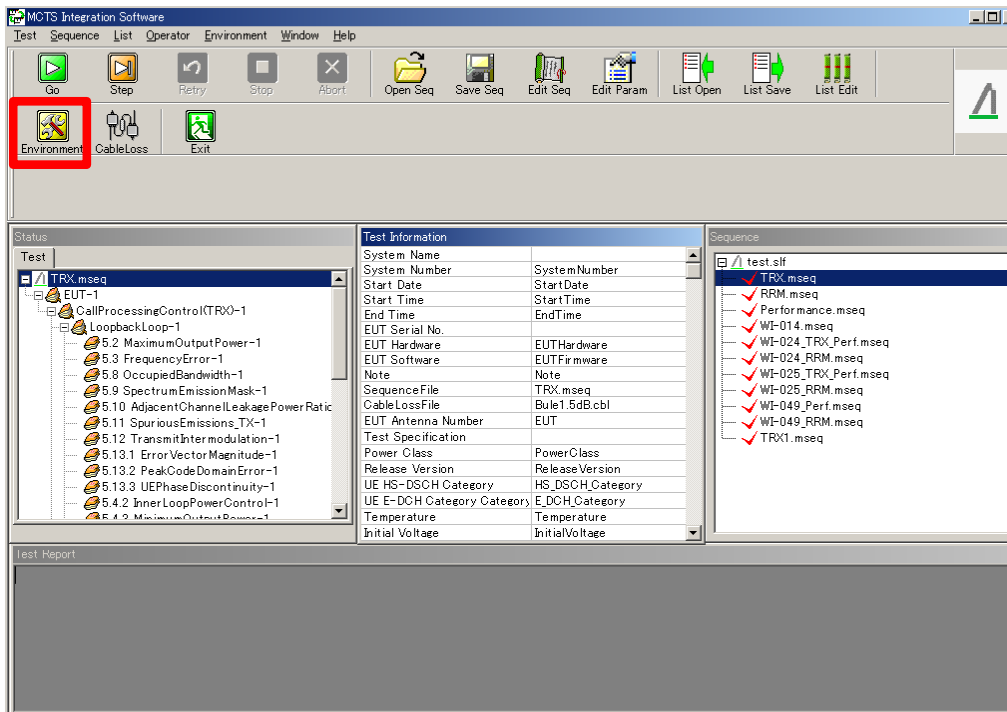
5. Restrictions

Restrictions (1/2)

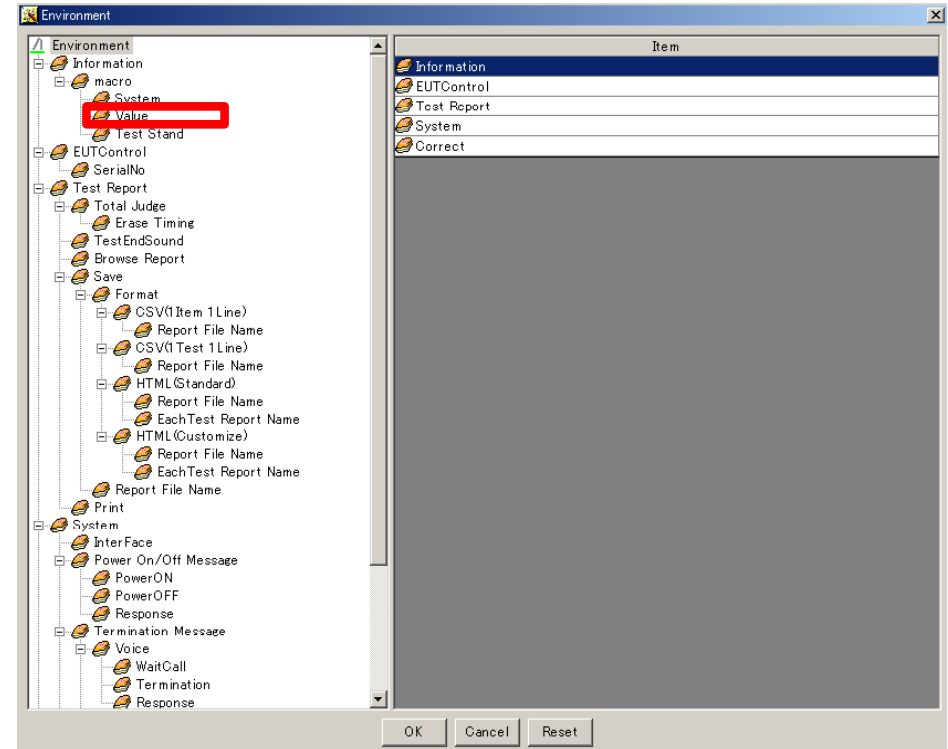
- **MCTS Integration Software V6.14.x does not support the 6.5.2.2 Blocking Characteristics Out-of-Band Measurement. Use the MCTS Software to perform this test.
(Planning to support with V6.15.x. in Jan 2009)**
- **MCTS Integration Software V6.14.x does not support Windows XP.
(Planning to support with V6.15.x. in Jan 2009)**

Restrictions (2/2)

- Items cannot be added to Value ← Macro ← Information at the Environment setting screen.



Main Screen



Environment Setting Screen

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