/Anritsu envision : ensure

Capturing an MT8870A Control Package Debug Log File

Universal Wireless Test Set MT8870A

Introduction

This application note explains how to capture a control package debug log file using CombiTest and send it to Anritsu for analysis.
A debug log may be required if your control package is not running smoothly against your reference design.

Capturing a Log File from CombiTest

1. Open CombiTest.

2. Open the test plan within which the control package is being used.

3. Double-click the "Short Range Wireless" branch in the test plan to open the [Short Range Wireless Configuration] dialog.

4. Click the appropriate tab (WLAN or *Bluetooth*) depending on the control package in question.

5. Make sure that the control package is selected at "DUT Selection".

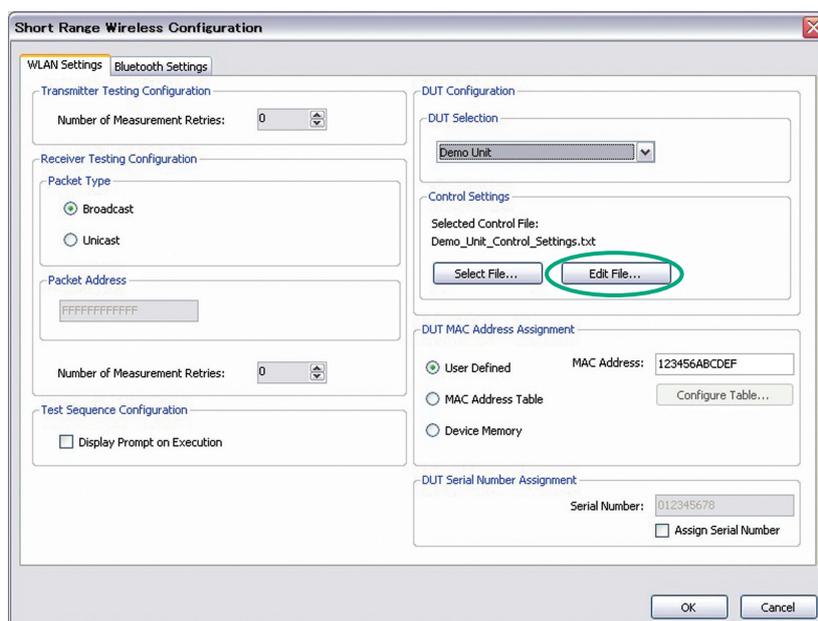6. Click [Edit File] to open the control settings file for the selected control package.

Figure 1. Edit Control Settings File

7. Scroll down the file and locate the "Debug Option" section close to the end of the file.

8. If the debug option is set to "DEBUG,FALSE", change it to "DEBUG,TRUE".

```
;************************************************************************************
;*                                                                 *
;*      Anritsu Control Settings File for 802.11b/g/a/n Direct Mode Demo Unit    *
;*                                                                 *
;************************************************************************************
;

; Device Initialization Parameters

; Control Method
; Specifies the control interface to use to communicate with the demo unit driver
; 0 - The demo unit is controlled using the wl command line tool
; 1 - The demo unit is controlled using the wlm DLL
CONTROL_METHOD,0

; WLM API Dynamic Loading
; Specifies whether the wlm DLL API is dynamically loaded and unloaded
; Note: This only applies if the control method is set to use the wlm DLL.
WLM_API_DYNAMIC_LOADING,FALSE

; Device ID Mode
; Specifies the method used to identify and obtain control of the demo unit
; Note: For wlm DLL based control, the demo unit must be identified by its WL ID.
; 0 - The demo unit is selected based on its WL allocated ID
; 1 - The demo unit is selected based on its device instance ID string
DEVICE_ID_MODE,1



; Debug Option
; Note: This option is for diagnostic purposes only and should not be enabled
DEBUG,TRUE

; Debug Output Type
; Specifies how debug information is conveyed when the debug option is enabled
; 0 - Debug information is written to a file
; 1 - Debug information is displayed in pop-up message boxes
DEBUG_OUTPUT_TYPE,0
```

Figure 2. Control Package Settings File

9. Run the test plan again and wait for it to complete.

10. Browse to the install directory for the control package (as detailed in the Getting Started Guide) and locate the debug log. The file is named "Debug_Log" and appended with the data and time.
Send the debug log to Anritsu for analysis.