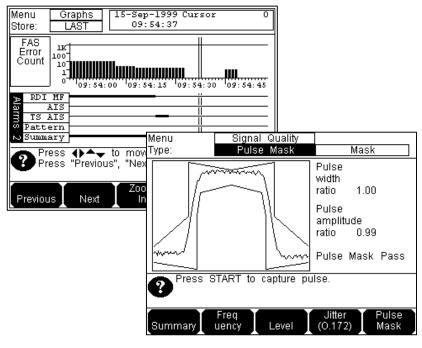
## **ProBER Print Capture Utility**

### **User Manual**







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#### 2. Introduction

This mini-user manual describes a software utility which interprets the output from an Agilent E7580A ProBER 2Mb/s test set and saves this as a bitmap file.

The "probecap" software is available for free download from the Agilent web site under the preceding license and is provided without any support or warranty.

#### 3. Background

ProBER providers two types of printed output; real-time ASCII text logging & real-time/offline graphical screen dumps. Whereas real-time logging can be used with any serial printer and can be captured to PCs, graphical printing can only use the recommended Agilent printer.

As results are stored graphically, it means that you must use Agilent 15730A/B printer in order to obtain a printout for either real-time or offline screenshots. However, customers can use any serial text printer for real-time ASCII text logging.

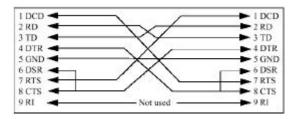
This software provides an alternative to using the Agilent 15730A/B printers and allows captured screenshots (including the SMG results) to be printed with any Windows compatible printer, via a PC.

#### 4. Description of Software

The software comprises of a single executable DOS file. It operates on DOS/Windows PCs and has been tested (not comprehensively) on Windows 95, 98 & NT. As noted later, there may be an issue with Windows 2000 operation.

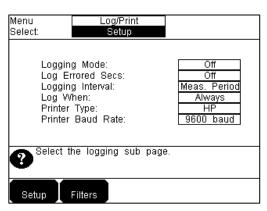
#### 5. Connecting the PC to an Agilent E7580A ProBER 2

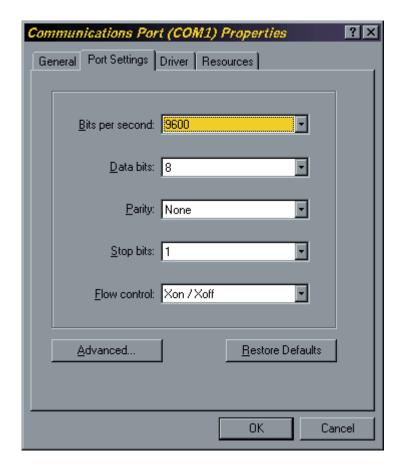
Agilent RS-232 cable 24542U (as recommended in the user documentation for logging ProBER data to a PC) is used to connect ProBER to the PC. Connect the RS-232 cable to ProBER and also to the serial port of the PC. The RS-232 connection is shown below.



On ProBER, go to the Log/Print page then choose Setup. From this page set the print speed to 9600 baud. The settings should match those of the adjacent figure.

Next setup the PC COM port. For details of how to accomplish this, consult your operating system manual. The settings required are shown in the figure below.





#### 6. Software Operation

The software can be run either through the DOS prompt or through the Windows interface. For this manual, operation via the Windows interface will be assumed.

Copy the probecap.exe file into the directory which you wish to store the program. Bitmap graphics files that you generate will also be stored in this directory.

Start the program by double-clicking on the probecap.exe file. The display will now say "READY – Push 'PRINT' on ProBER2". Choose the appropriate screen on ProBER which you wish to capture. The program will wait until a PRINT button press on ProBER is detected, and will then display the printout onscreen (similar to seen in figure below). At the same time it is stored in the current directory/folder as a bitmap file, which can then be printed via Windows/DOS printers and a suitable application. For each print capture a new filename is generated – based on the time of capture.

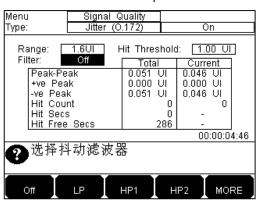
The filename is presented as aaabbccd.bmp where:

aaa – day number within the year (i.e. 1 to 365)

bb – hour cc – minutes d – seconds

Pressing the Enter key at any time halts program operation.

To run the program from the command prompt, type either "probecap" to run the program when ProBER is connected to COM port 1, or type "probecap 2" if COM port 2 is being used.



### 7. Known Issues

Has not been tested with Window 2000 and as a 16-bit application, may not be compatible.
Some PC vendors RS-232 ports may have timing issues which will cause the program to fail.

END OF DOCUMENT.