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# **SIMCom\_SIM800H\_EAT\_flash\_Tool \_User Manual\_V1.01**



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# 1 Introduction

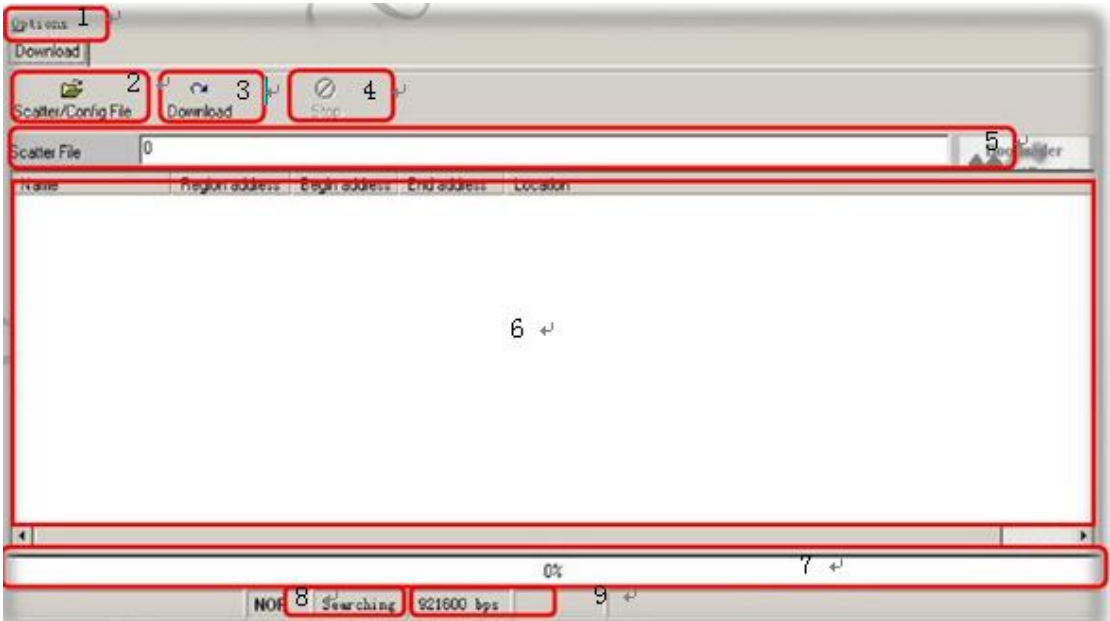
This chapter describes how to use this tool, including Options、Parameters Configuration、Downloading Operation, etc;

## 1.1 Options

Click and run the application “SIMCom\_SIM800H\_EAT\_flash\_Tool.exe” as diagram 1, if some windows show up, just click OK, the tool run like diagram 2;

META_DLL.dll	3,524 KB	应用程序扩展	2013-2-4 19:29
Microsoft.VC90.CRT.manifest	1 KB	MANIFEST 文件	2012-1-16 16:39
miodll.dll	152 KB	应用程序扩展	2012-1-16 16:39
msvcm90.dll	220 KB	应用程序扩展	2012-1-16 16:39
msvcp90.dll	556 KB	应用程序扩展	2012-1-16 16:39
msvcr90.dll	641 KB	应用程序扩展	2012-1-16 16:39
MTK_AllInOne_DA.bin	5,792 KB	BIN File	2013-5-23 17:34
null.txt	0 KB	文本文档	2012-1-16 16:39
scat.txt	1 KB	文本文档	2012-1-16 16:39
SIMCom_SIM800H_EAT_flash_Tool.exe	2,828 KB	应用程序	2013-6-28 14:53
SIMCom_SIM800H_EAT_flash_Tool.INI	4 KB	配置设置	2013-8-27 14:44
SLA_Challenge.dll	24 KB	应用程序扩展	2012-1-16 16:39
USBSwitchDLLLibrary.dll	42 KB	应用程序扩展	2013-2-4 20:26
USBSwitchTool.exe	84 KB	应用程序	2013-3-14 17:56
USBSwitchTool.ini	1 KB	配置设置	2013-3-14 17:27

Picture 1: Application Program



Picture 2: Tool Interface

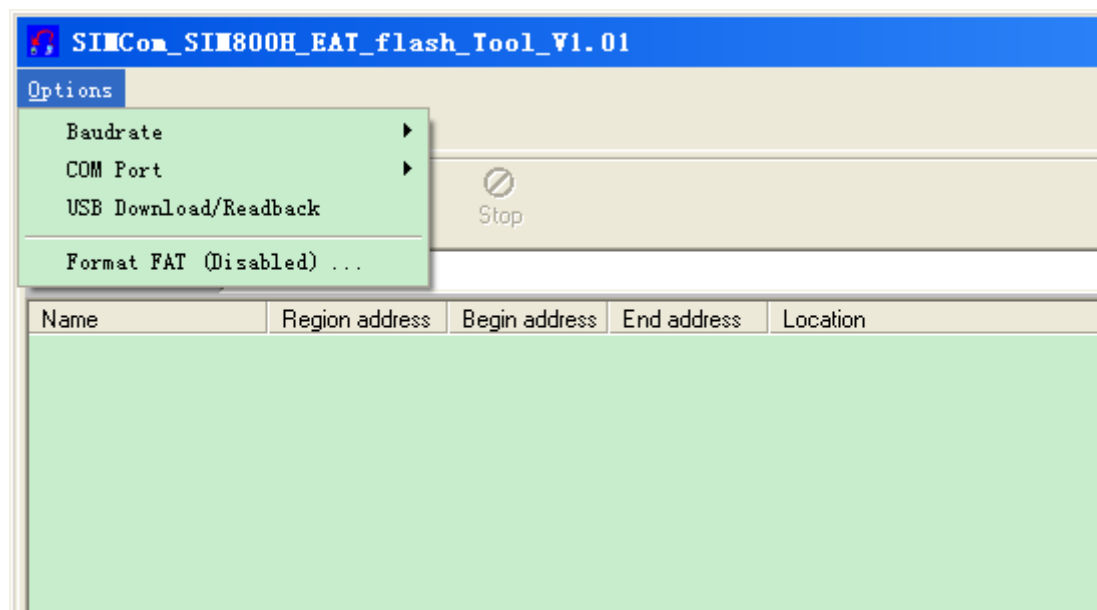
The description in the Picture 2 is as followed Table 1

Table 1:

Item	Description	Note
1	Options	1) Baudrate: setting the baudrate; 2) Com Port: choose COM port; 3) USB Download/Readback: Use USB to download; 4) Format FAT(Disable): Formatting Option
2	Scatter/Config File	Choose the file to download
3	Download	Start to Download
4	Stop	Stop Downloading
5	Scatter File	Indicate the folder of scatter file located;
6	Download file list	List the file which is chosen to download;
7	Progress bar	Indicate the current progress
8	Com port	Indicate the current COM port; if USB used, it will show "Searching"
9	Baud Rate	Indicate the current baud rate

## 1.2 Parameters Setting

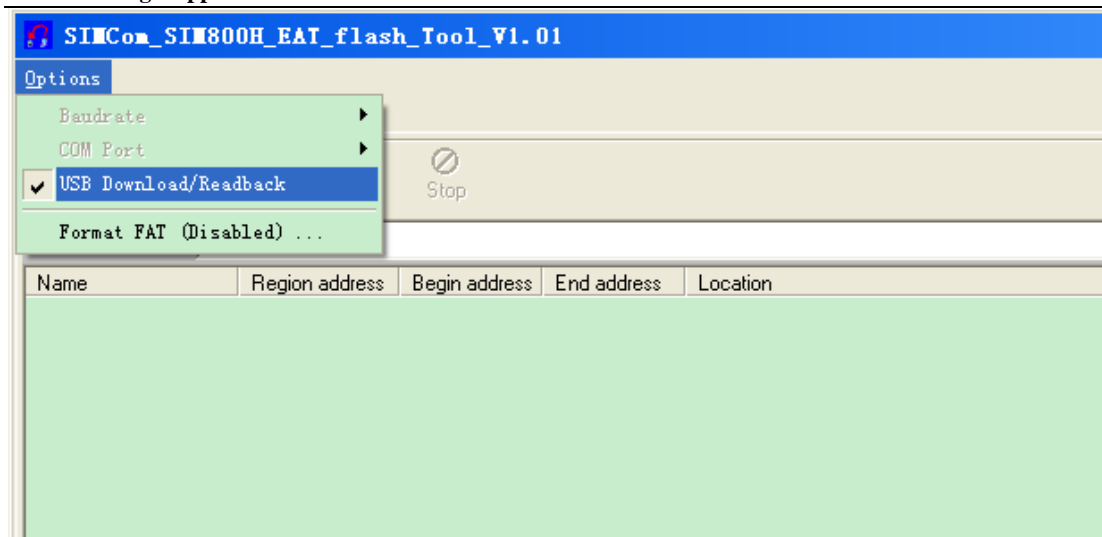
Click the "Option" button, then you will see four options as picture 3,



Picture 3 Options

### 1.2.1 Download Option

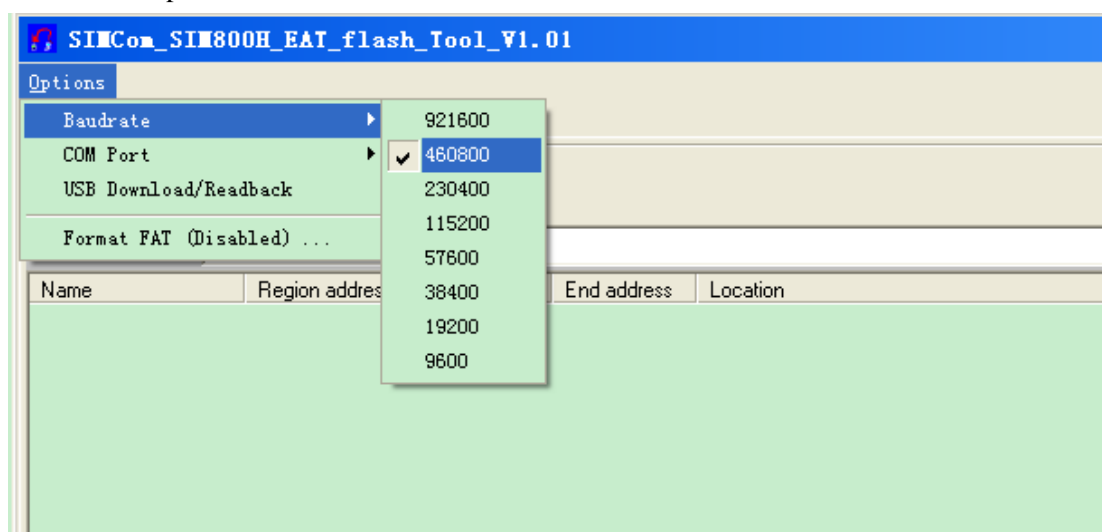
Click the "USB Download/Readback", it means that you choose the USB download mode, at this time, "Baudrate" and "COM Port" will be disabled; otherwise, it will use UART mode; as picture 4;



Picture 4:Download Mode

## 1.2.2 Baud Rate

Click the “Baudrate” to choose the baud rate, be noted that, for now we could support 460800 maximum; as picture 5

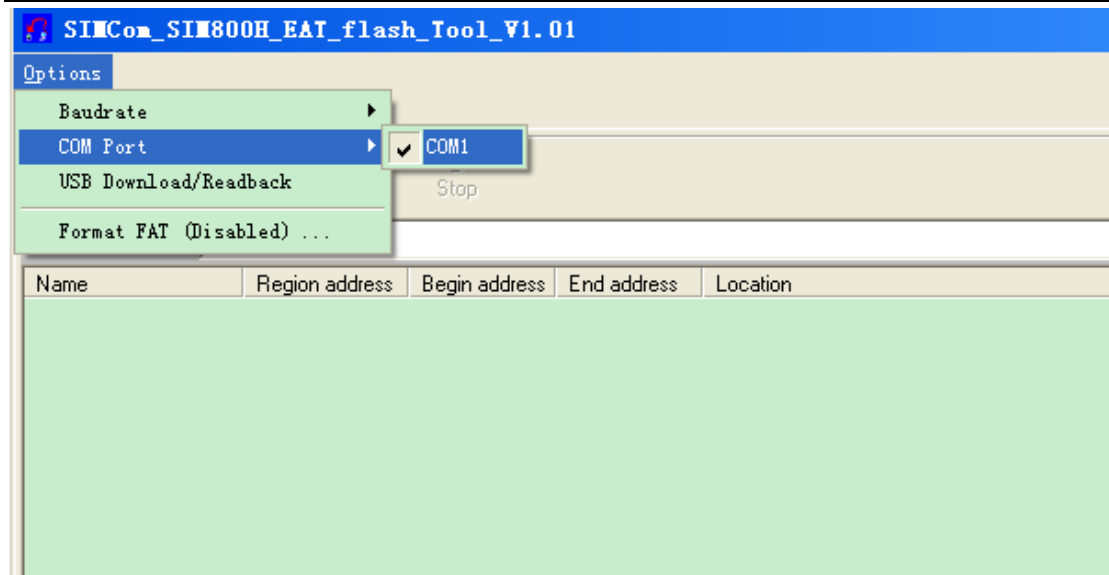


Picture 5: Baud Rate

*Note: Only UART mode needs to set the baud rate; for USB mode, this option is disabled, no need to care;*

## 1.2.3 COM Port

According to the machine mange to decide the com port, then set it as picture 6;

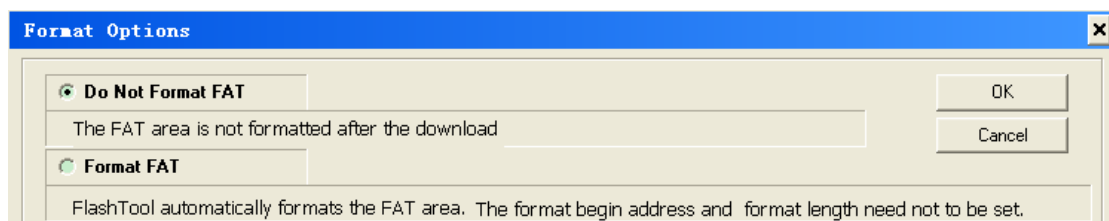


Picture 6: Com Port

*Note: Only UART mode needs to choose the COM port; for USB, this option is disabled;*

## 1.2.4 Format FAT

Click the “Format FAT(Disable)”, then you could find the window as picture 7;



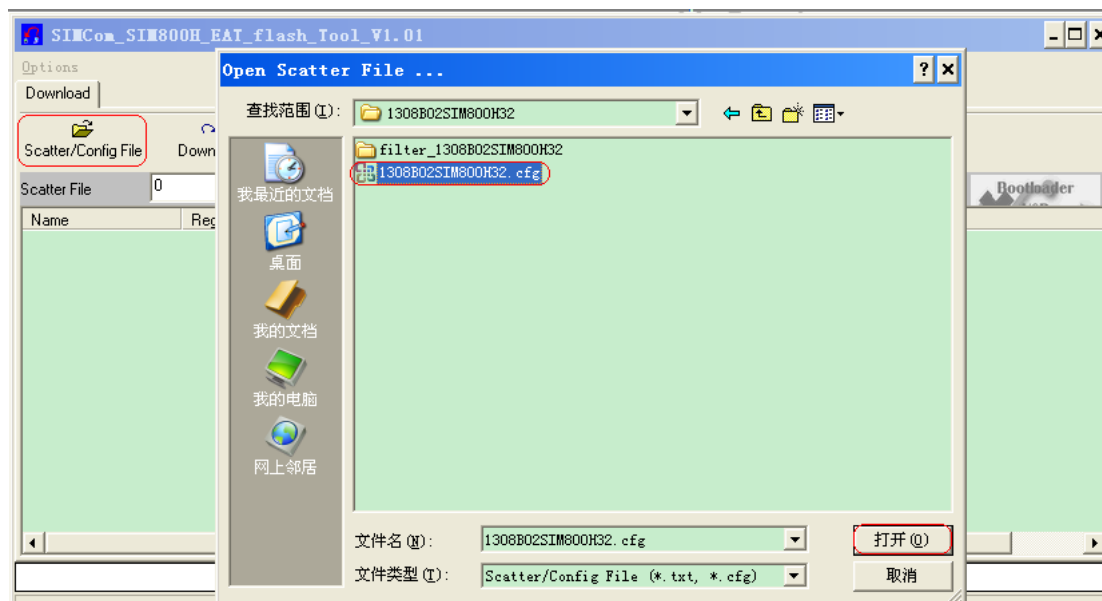
Picture 7: Format FAT Option

## 1.3 Download software

This chapter mainly describes how to use this tool to download the software; there are two kinds of software: standard version and EAT version;

### 1.3.1 Standard Version Software

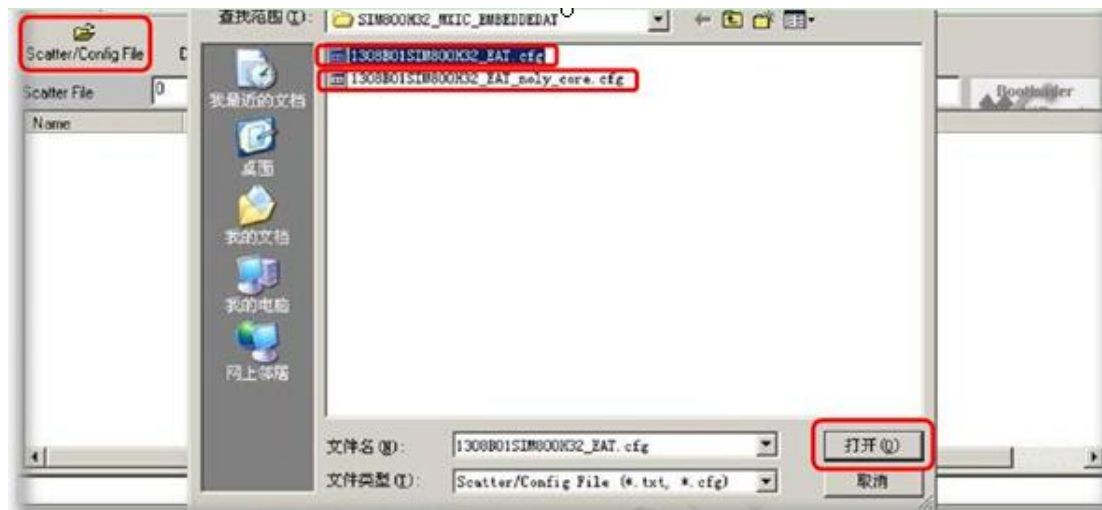
Click the “Scatter/Config File” on the main interface, then you will see the “Open Scatter File”, find the software what you want to download and choose the “.cfg” file, as picture 8;



Picture 8: standard software file

### 1.3.2 EAT Version Software

The main difference between standard and EAT version is the file need to be chosen as picture 9;



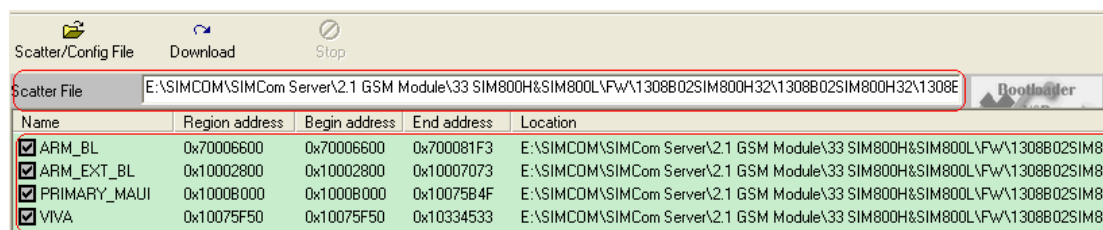
Picture 9: EAT software files

### 1.3.3 Choose file to download

No matter what version of software to be downloaded, you need to choose the software you want to download (txt or cfg format), and the files will be listed in the window to indicate which is chosen or not, the default state is chosen;

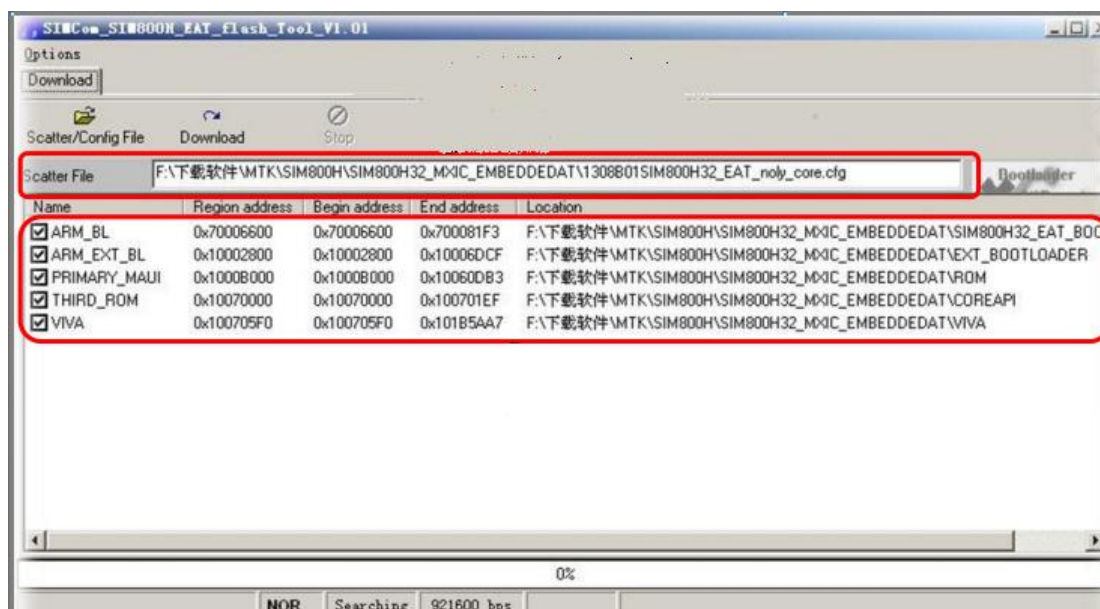
1) **Standard Version:** in standard version, in the download file list, there are four kinds of files

“ARM\_BL”、“ARM\_EXT\_BL”、“PRIMART\_MAU” and “VIVA” as picture 10;



Picture 10: file list in the window

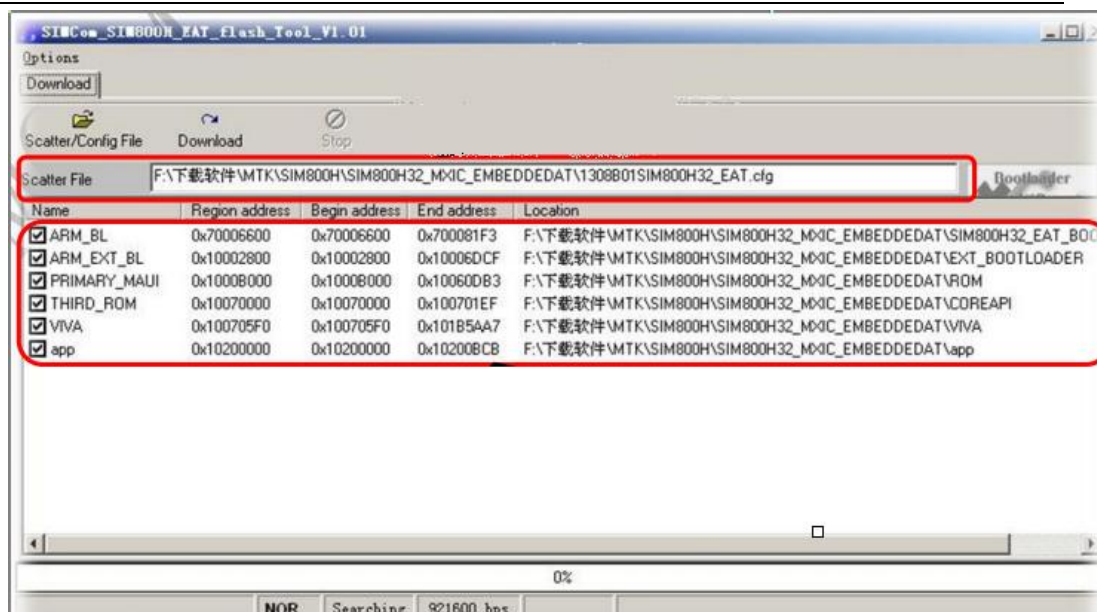
- 2) **EAT Version:** EAT version has two kinds of software package: one is only core file; another one with core file and app file;
- a) when choose EAT version which only contain Core file, it will indicate the following five files “ARM\_BL”、“ARM\_EXT\_BL”、“PRIMART\_MAU”、“THIRD\_ROM” and “VIVA” as picture 11 shows;



Picture 11: EAT version only with core file

- b) with download the EAT version contains Core file and App file, it will show five core files and one app file as picture 12;





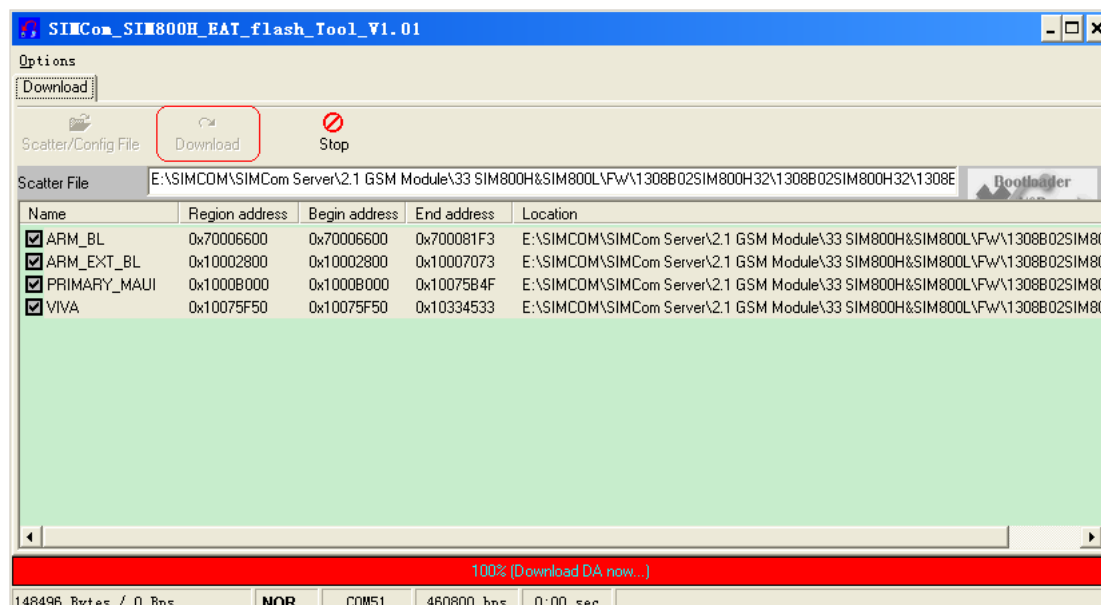
Picture 12: EAT version with App and Core file

*Note: if you just need to download the app file, just choose the app file, and leave the other five files alone;*

## 1.4 Downloading

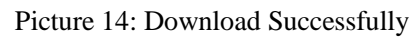
After finish all the setting, now you could press the download button;

- 1) press the “Download” button, then power on the module; if the COM port or USB communicates normally, you will see the progress bar keep going, as picture 13;



Picture 13: Begin to download

- 2) wait for some while, then “OK” will come out, meanwhile, a green “○”, it indicates that the download procedure is successful as picture 14;

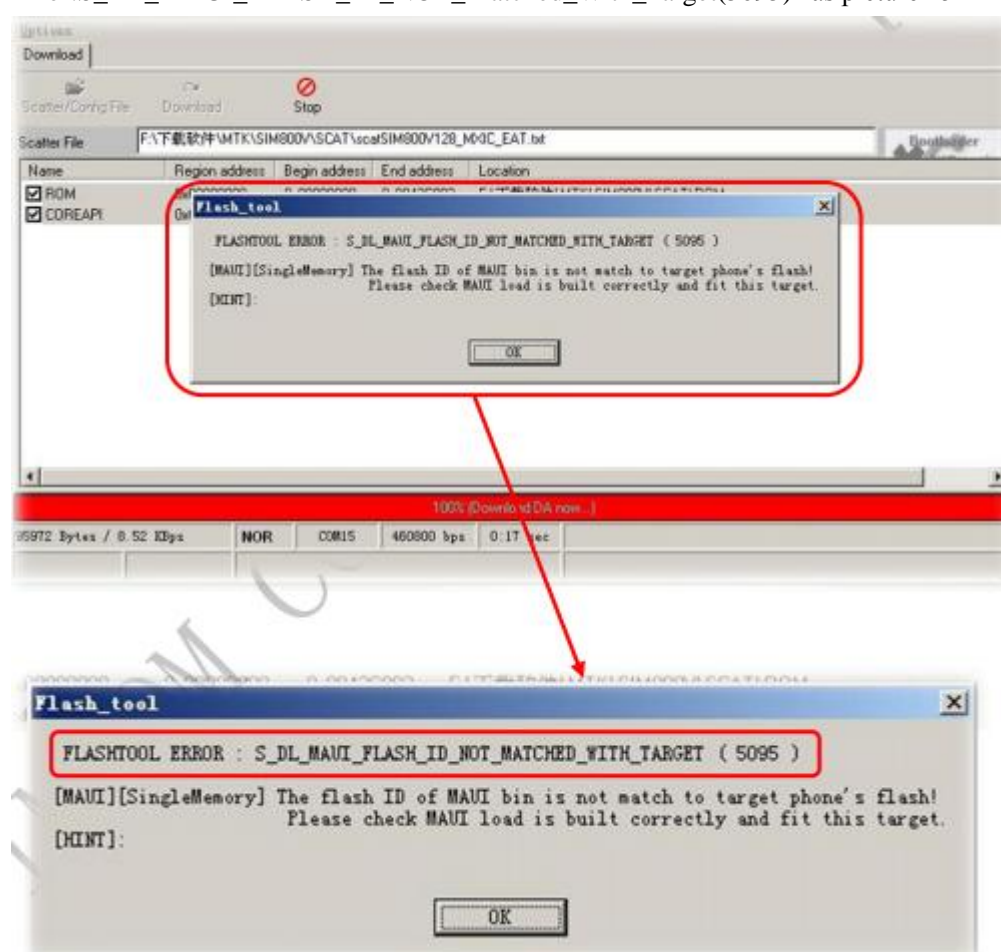


## 2 Common Errors

This chapter mainly describes the common errors which could meet while downloading the software;

### 2.1 Different Flash Types

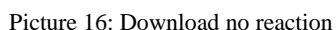
When you choose the wrong file, for example, another type flash downloads into current flash, the tool will warn with the following message “Flashtool Error:S\_DL\_MAUI\_FLASH\_ID\_NOT\_Matched\_With\_Target(5095)” as picture 15



Picture 15: Flash Type not matched Error

### 2.2 Download No Reaction

When you press the “Download” button, and after a long time, the progress bar still remains in “Waiting” state; as picture 16



- 1) the wrong download mode: for example, you use Serial Port while choosing USB mode; or choose USB but with serial line;
- 2) choose the wrong COM port:

### 3 Hardware Preparation

As for now, SIM800H only could support USB to download the software, when you use our EVB-Kit to download the software, you need to prepare the following stuff;



- 1) Install MTK\_USB\_Driver, ;after you finished the driver installing, you will see the following “MTK USB Port(Comxx)”;



- 2) Connect the EVB-Kit as the following picture 17 shows;



Picture 17: connection for downloading

- 3) After you finish all this preparation, you should run the tool as introduced above, then switch on the POWER Key, then you could wait until the download procedure finished;

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