



HUAWEI MU509 Series HSDPA LGA Module

Acceptance Inspection Guide

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About This Document

Revision History

Document Version	Date	Chapter	Description
01	2013-09-14		Creation

Scope

MU509-b
MU509-c
MU509-g



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1 Introduction

1.1 Purpose

This document describes the methods of inspecting Huawei's shipments of MU509 series module. Customers can refer to this document when formulating inspection guides for accepting Huawei's MU509 series module.

1.2 Scope

This guide is applicable to the acceptance inspection of Huawei's MU509 series module. The inspection methods provided in this guide are recommendations, which can be modified by customers if necessary.

2 Acceptance Inspection

2.1 Packaging Modes and Appearance

The first-layer packages for the MU509 series module are large cartons, the second-layer packages are medium cartons, and the third-layer packages are vacuum bags, as shown in the following figures.

Figure 2-1 Large carton packaging



 **NOTE**

- Check whether the package has serious damage or has been opened.
- Check whether the number of Carton ID labels attached on the large carton is consistent with the number of medium cartons in the large carton.

Figure 2-2 Medium carton



Figure 2-3 Vacuum bag inside a medium carton



NOTE

- Check whether the packaging modes are consistent with those shown in the previous figures.
- The MU509 series modules are packed in vacuum bags. Check the vacuum bags for damage and leakage.

Figure 2-4 Arrangement of the modules (after the vacuum bag is removed)



 **NOTE**

- Check that the arrangement of modules is consistent with that shown in Figure 2-4 .
- Check that the number of modules is consistent with that labeled on the large carton.
- After the vacuum bag is removed for inspection, repack the modules in a vacuum bag to ensure the quality when the modules deliver to the customer.

2.2 Label Inspection

Figure 2-5 MU509-b label



Figure 2-6 MU509-g label



Figure 2-7 MU509-c label 1



Figure 2-8 MU509-c label 2



 NOTE

- Check whether the information on the label of an MU509 series module is consistent with the corresponding labels shown in Figure 2-5 to Figure 2-8 . There are two kinds of labels produced. The labels shown in Figure 2-5 to Figure 2-8 are the general version. If the label is customized, see the approval sheet.
- Use a 2D barcode scanner to read the 2D barcode and check whether the number read from the barcode is consistent with the IMEI number printed on the label.

2.3 Performance Inspection

Testing software: HyperTerminal

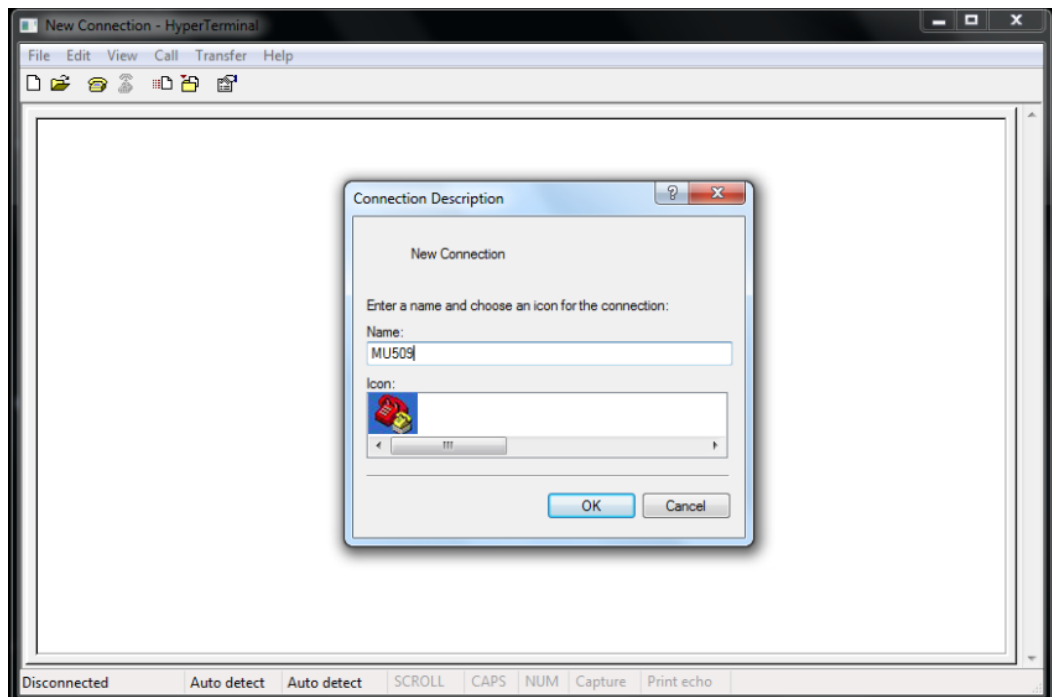
Testing tools: serial port or USB cable, test fixture for modules, PC

The following is the procedure:

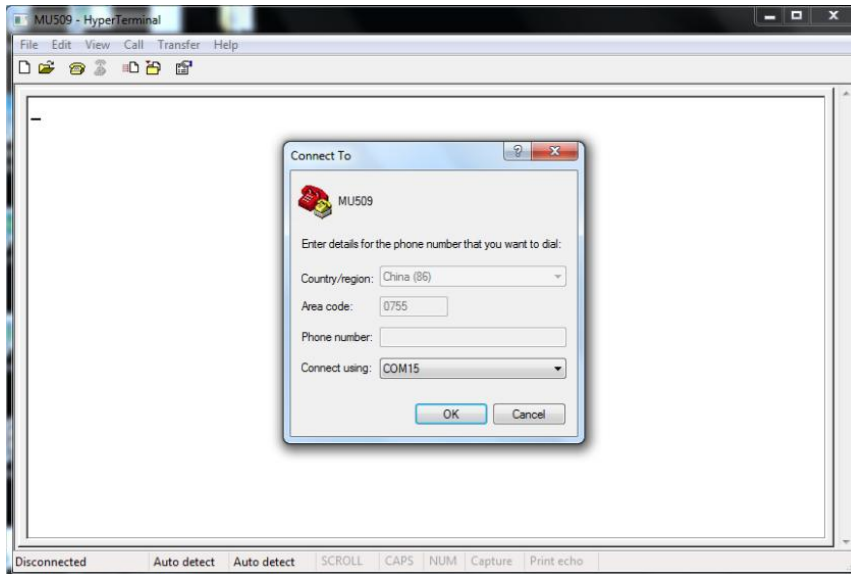
- Step 1 Use serial port or the USB cable to connect the testing PCB to the PC.
- Step 2 Open **Run** and input the path **C:\Program Files\Windows NT**, and **hypertrm.exe** will be displayed as shown in the following figure. Double click **hypertrm.exe** to run **HyperTerminal**.



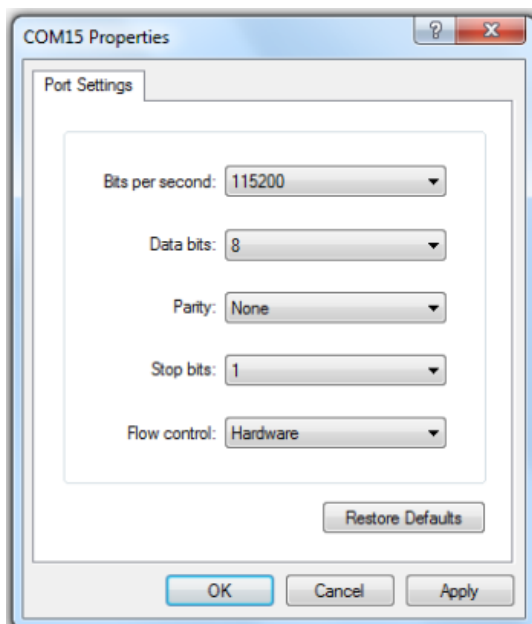
Step 3 Open **Run** and input **hypertrm** to enter **Connection Description**. Input **MU509** in **Name** column and select the red telephone icon in **Icon** column as shown in the following figure.



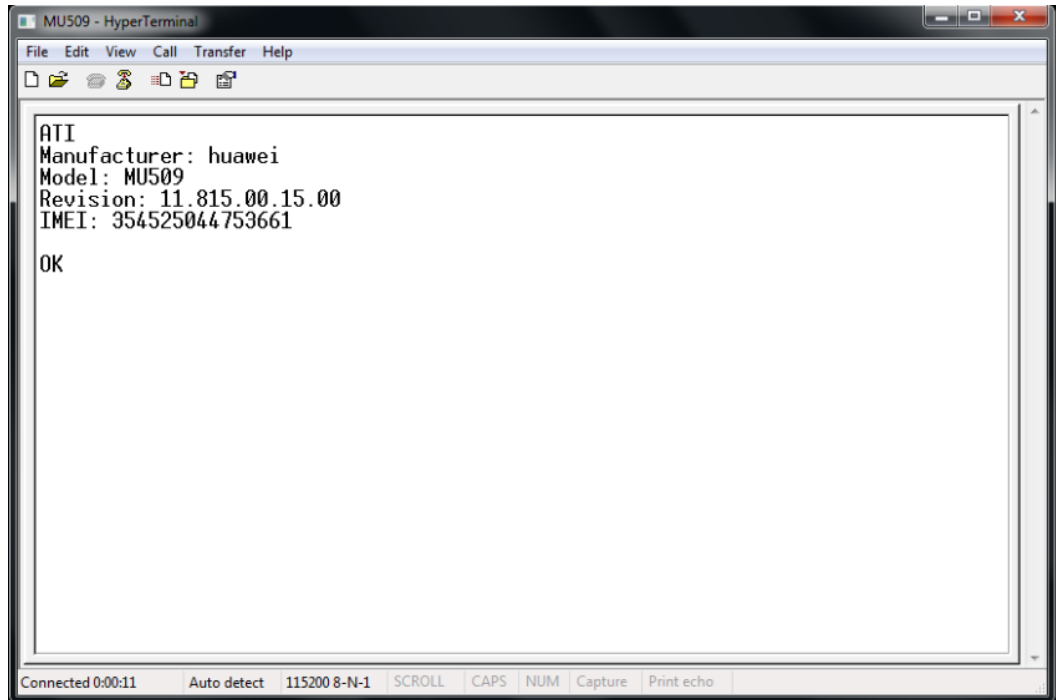
Step 4 Select the correct serial port in **Connect using** column and click **OK** as shown in the following figure.



Step 5 Select **115200** in **Bits per second** column, and then click **Apply** and **OK** as shown in the following figure.



Step 6 Send the command **ATI** and the information will be displayed in the following figure.



Manufacturer: the module's manufactory
Model: The module's name
Revision: the module's software version
IMEI: the module's IMEI

2.4 Repack the Module after Inspection

1. After the vacuum bag is removed for inspection, repack the modules in a vacuum bag.
2. Check whether the order on the medium carton is consistent with that on the large carton when putting the module into the medium carton.