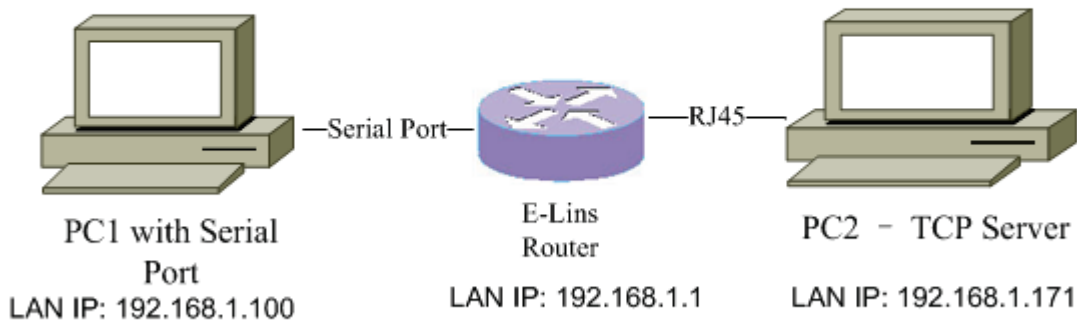


## Serial DTU Setting Example

### DTU Topology



### DTU Wire Connection



**Notes: For terminal block connection, if cannot work, try to switch "RX" and "TX".**

## DTU Configuration

1. Open web management page, click “services” →”DTU” at the left navigation bar. Check “Enable” checkbox. The default DTU ID is the serial number of cell router, but you can modify it also. Set serial port parameters.

**DTU Configuration**

Notes: DTU feature and "GPS Send to Serial" cannot be used at the same time

Enable

Send DTU ID

DTU ID

Forward delay  milliseconds (range[1,10000])

**Serial Setting**

Serial baudrate

Serial parity

Serial databits

Serial stopbits

**Network Setting**

Protocol

Service mode

Enable Heartbeat

Heartbeat Interval

Heartbeat Content

**DTU center configuration**

DELETE

CENTER1

Center enable

Center IP

Center Port

New center name:

2. Set Protocol to TCP or UDP, set Service mode to client. DTU center configuration only works when Service mode is set to “Client”. If “Enable Heartbeat” is not checked, Heartbeat Interval and Heartbeat Content will be useless.

- if more than one DTU center is required, enter the center name and click button “add” to add a new one, and then fill center IP address and port, check “Enable”.

DTU center configuration

CENTER1

Center enable

Center IP

Center Port

New center name

DTU center configuration

CENTER1

Center enable

Center IP

Center Port

CENTER2

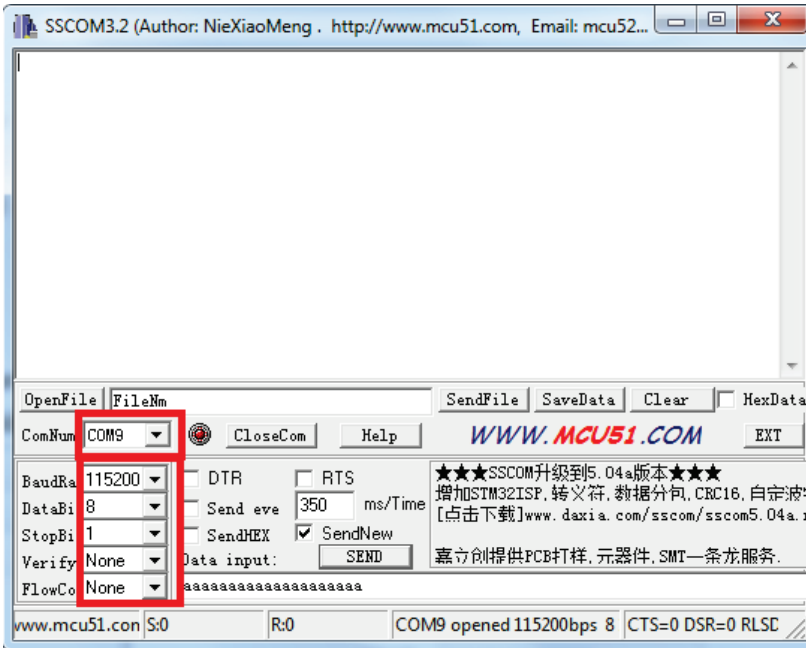
Center enable

Center IP

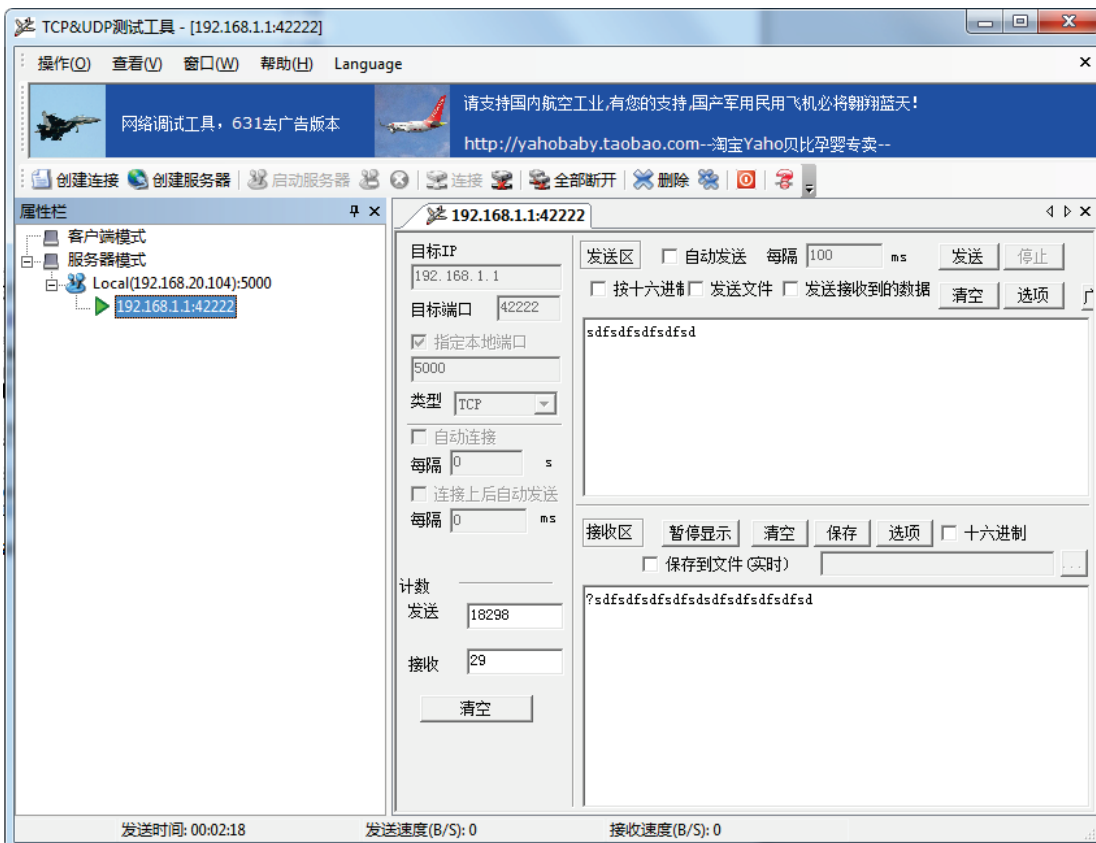
Center Port

New center name:

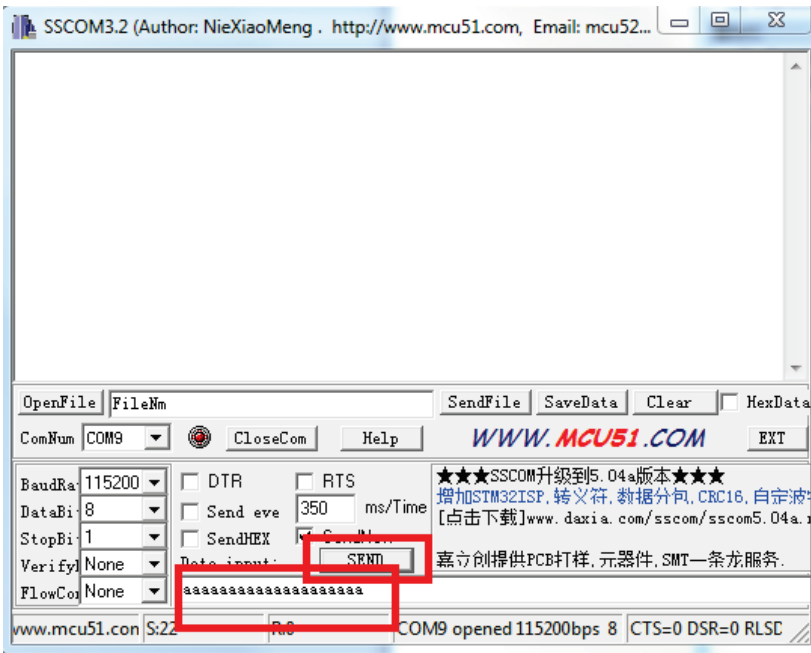
- if everything is done, click button “Save & Apply”.
- Connect serial cable from PC to Terminal Blocks on cellular router. Open tool SSCOM.



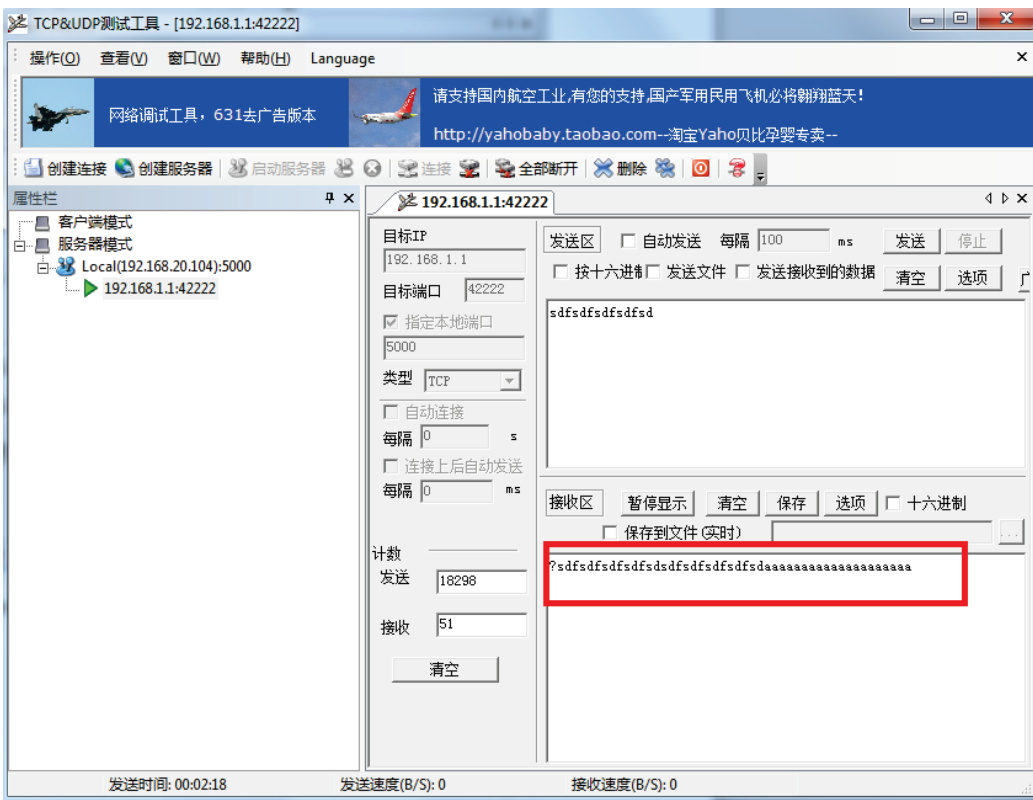
6. Select correct com port number, set same serial parameters that we configured in DTU configuration page.
7. Open TCP/UDP tool to create a TCP server.



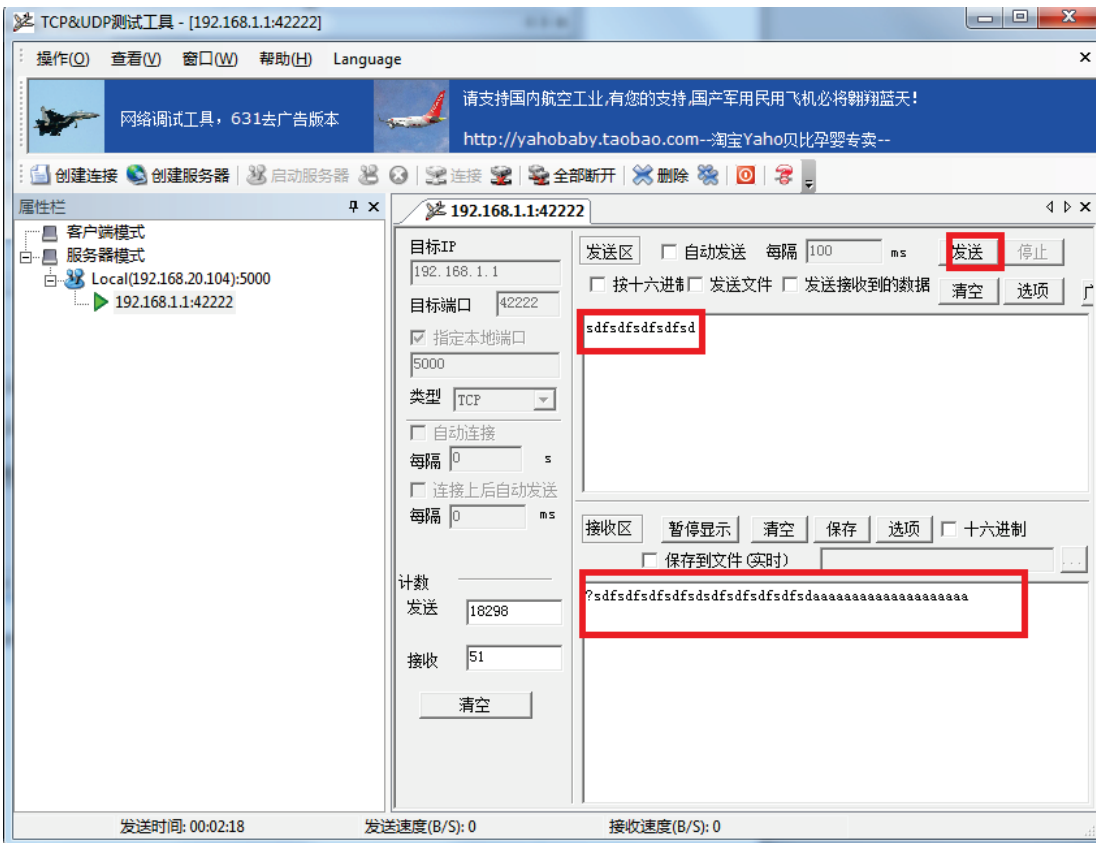
8. Set TCP/UDP tool according to the DTU center configuration.
9. Click button "SEND" on SSCOM, then string "aaaaaaaaaaaa" is sent to cell router.



10. Check TCP/UDP tool , we can see string “aaaaaaaaaaaaaaaaaaaa” is arrived at TCP/UDP tool



11. Click button “send” on TCP/UDP tool,



12. Then check SSCOM, string "sdfsdfsdfsdfs" is arrived at SSCOM tool. That means cell router DTU feature can transport traffic between IP network and serial port transparently.

