SYNCOMM Radio Port operation manual

1.Environment

Radio Port

Antenna

RS232 Cable: one set

Power module or Power supply: one set

PC or Notebook: one set

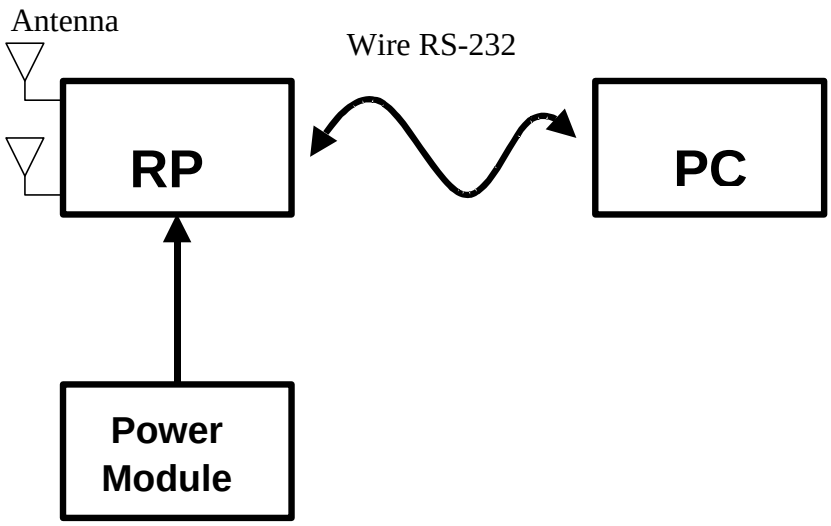


Figure 1-1 Connection view of operation environment

Attention issues:

(1). Please make sure the antennas are connected with Radio port before power on

(2). If no power module, you could use power supply

2.Explication of operation

(1). Firstly, setup the environment as figure 1-1.
(2). Run Hyper Terminal, setup it and prepare for monitor RP' s state. (Please refer the third item for how to setup hyper terminal)
(3). Setup the parameter of RP. (Please refer the fourth item for setup various parameter in RP)

3.Explication of how to setup Hyper Terminal)

Step 1: Run Hyper terminal

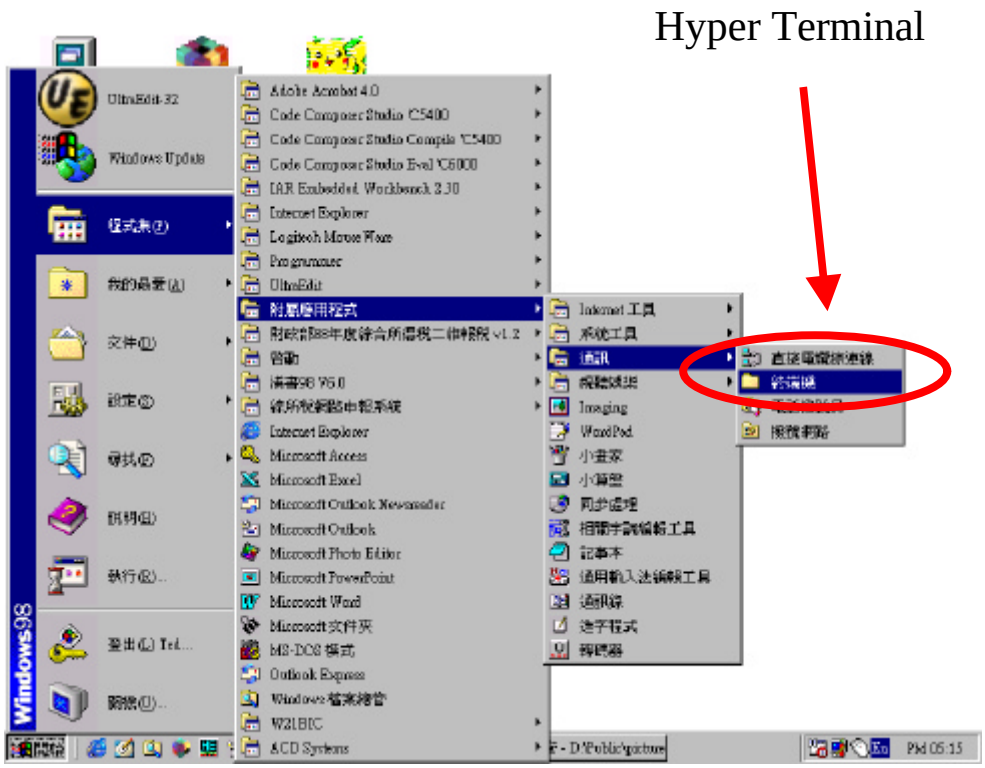


Figure 3-1 the path for executing Hyper Terminal

After ran the Hyper Terminal you could see the status as below. If you couldn' t find Hyper Terminal, you must re-install it

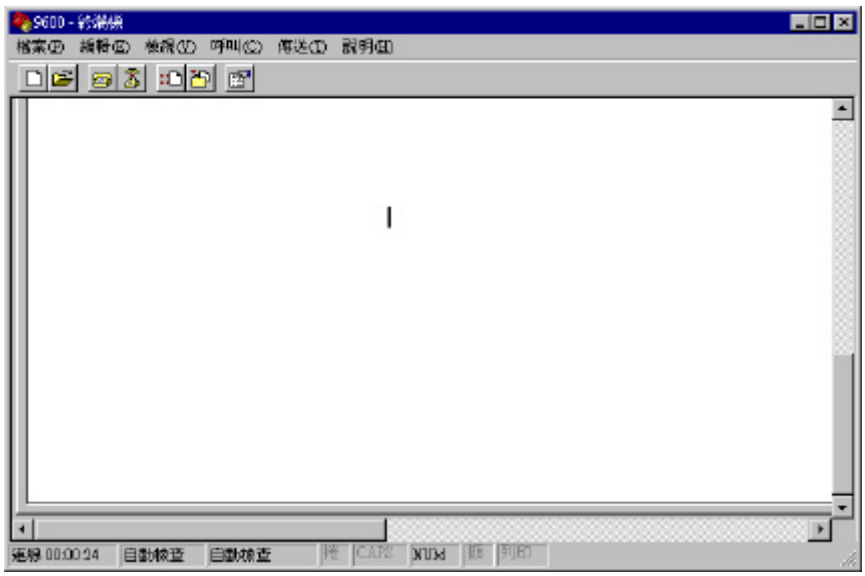


Figure 3-2 the screen after ran Hyper Terminal

Step 2: Setting connection port

In figure 3-2,select “file”, select “content”, then get the screen as below

Set the port that you connect PC and RP use RS232

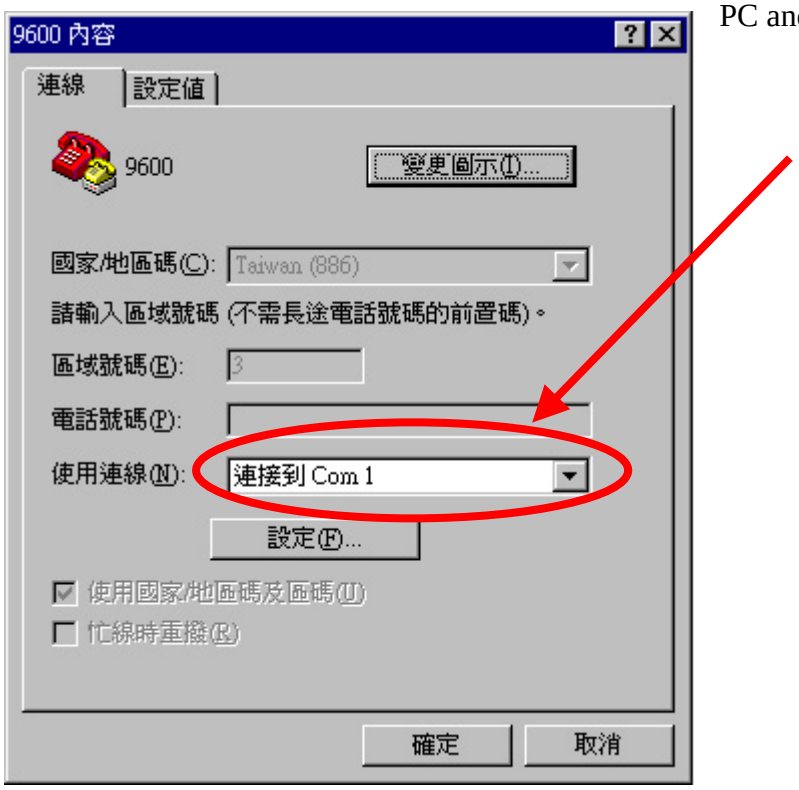


Figure 3-3 Select connection port

Step3: Port setting

Set the data transfer rate (bits/second), bits per unit, parity check, stop bits, data flow control as below.

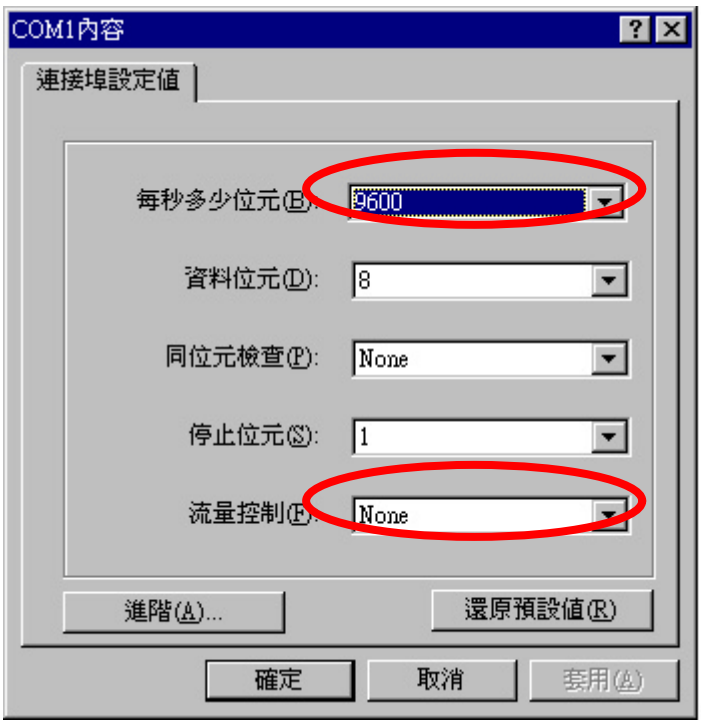
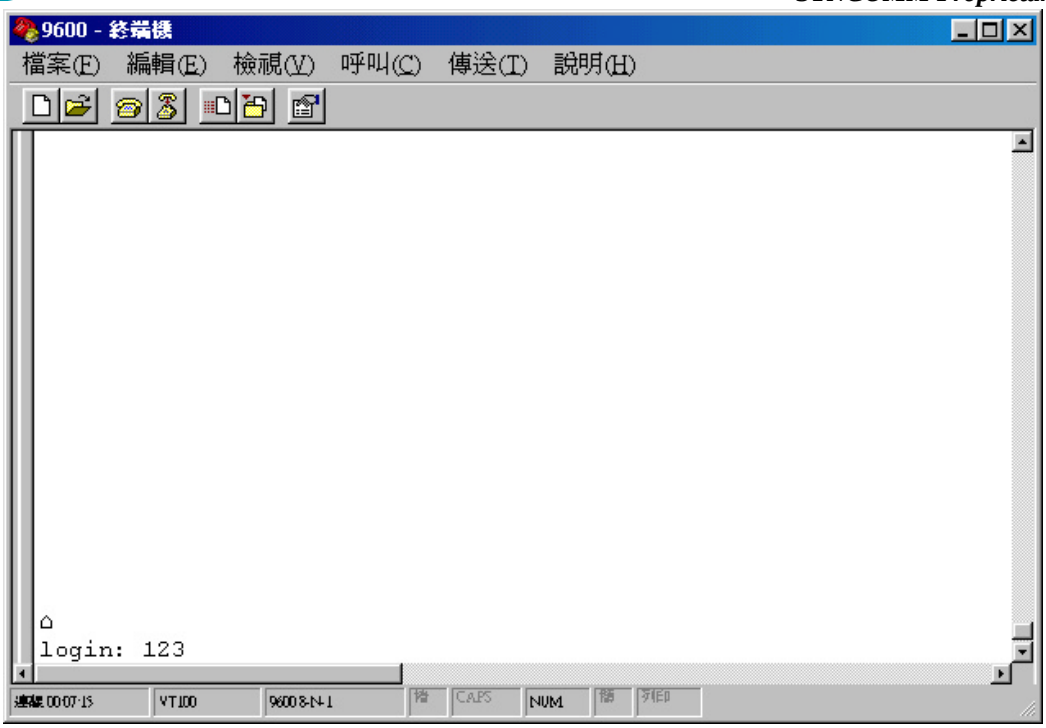


Figure 3-4 Hyper Terminal port setting

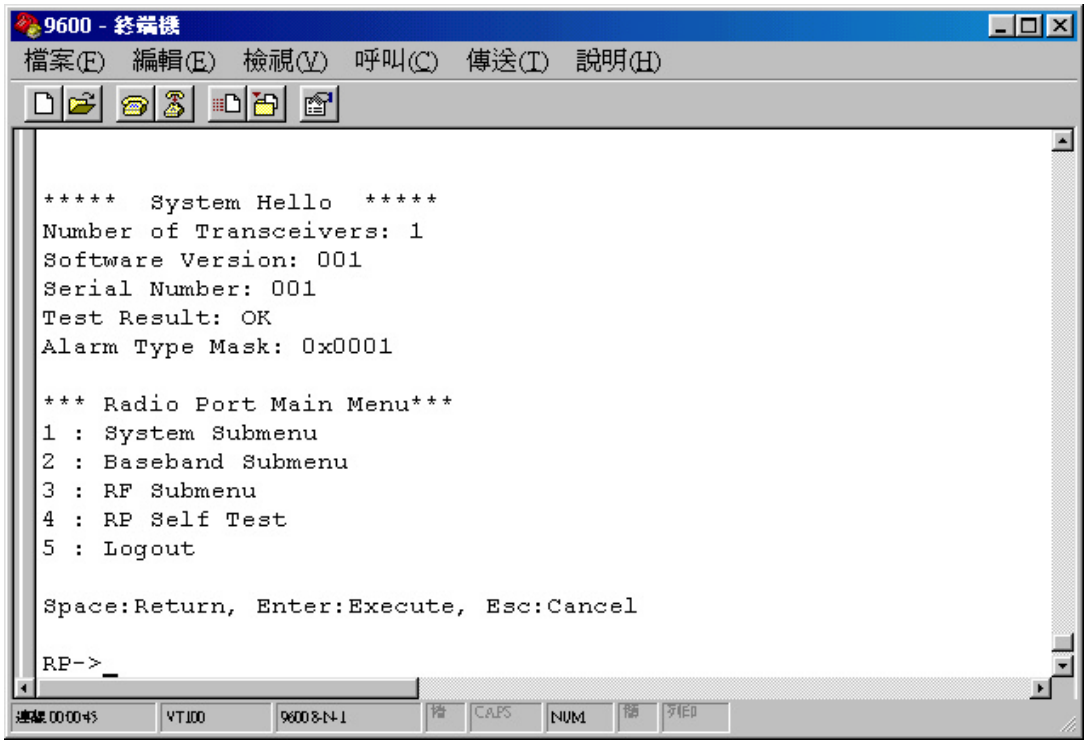
4.Various parameter setting

After we done all the preceding action, we turn on the power of RP and watch the windows of Hyper Terminal

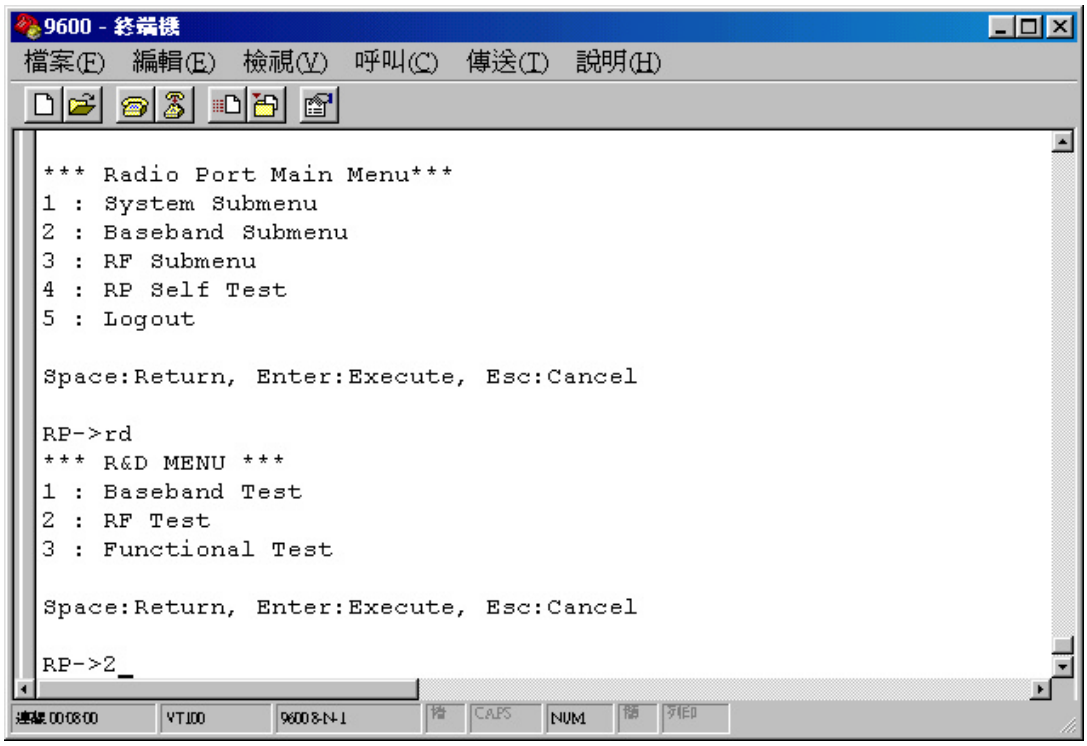
(1). At first, the word “login” show on the window, and please input the password 123



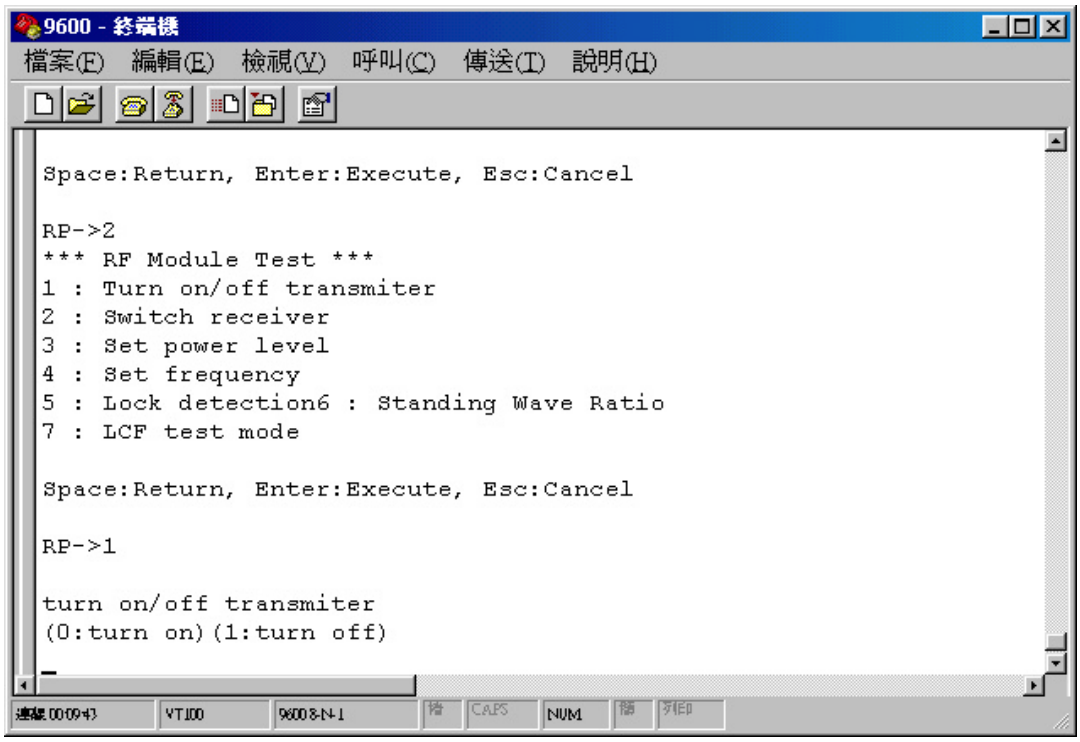
(2). Enter main menu



(3). Input "rd" & press "Enter" to enter Research mode, there are three kinds of mode, normal mode, research mode, and test mode

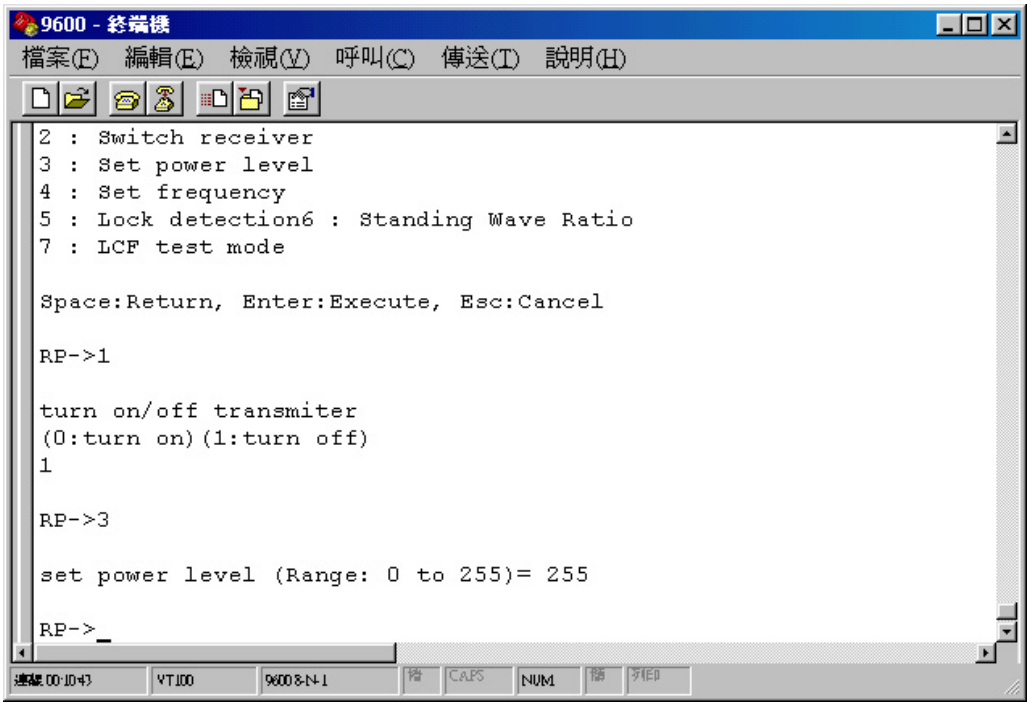


(4). Input 2 to enter RF test menu

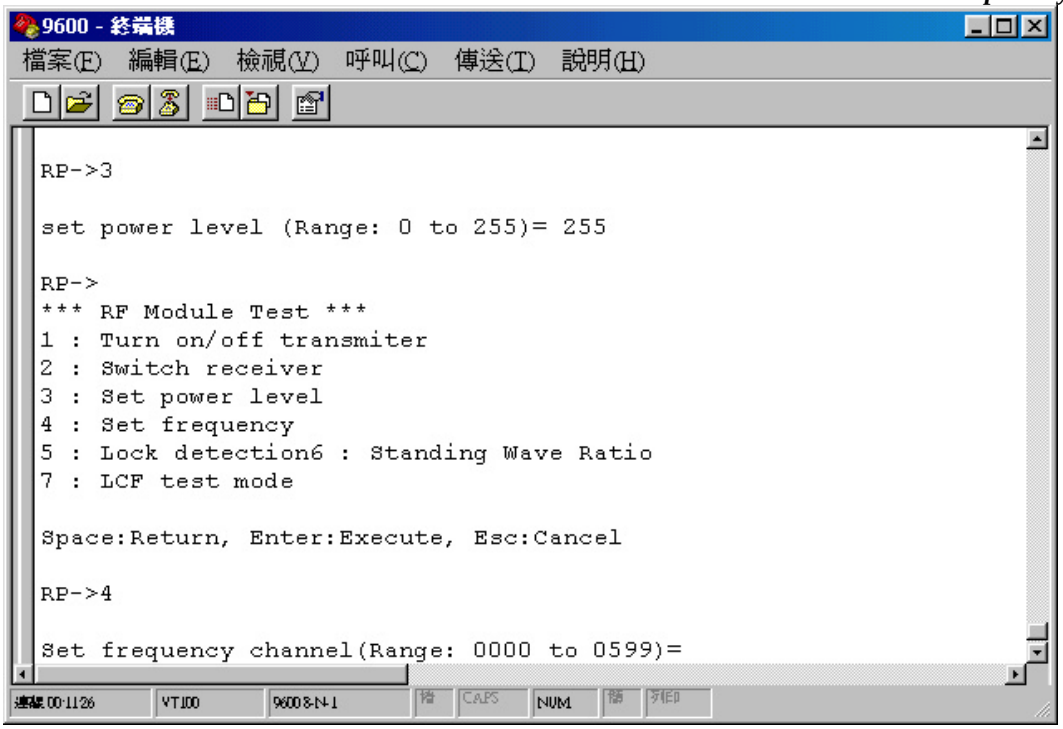


(5). After enter RF Test menu, you can control to turn on of turn off transmitter

(6). If you Select 3, you can set the output power of transmitter, the range from 0 to 255, mapping to output power level from 0 to 800 mW, you can use this way to setting output power level to correct output power level.



(7). Select 4, you can set the operation frequency of transmitter, range from 0 to 599, mapping to 1.93 GHz to 1.99GHz


9600 - 終端機
檔案(F) 編輯(E) 檢視(V) 呼叫(C) 傳送(T) 說明(H)
RP->3
set power level (Range: 0 to 255)= 255
RP->
*** RF Module Test ***
1 : Turn on/off transmiter
2 : Switch receiver
3 : Set power level
4 : Set frequency
5 : Lock detection6 : Standing Wave Ratio
7 : LCF test mode
Space:Return, Enter:Execute, Esc:Cancel
RP->4
Set frequency channel(Range: 0000 to 0599)=
VT100
9600 8-N-1
CAPS
NUM