Vidit 无线测试

1. 硬件

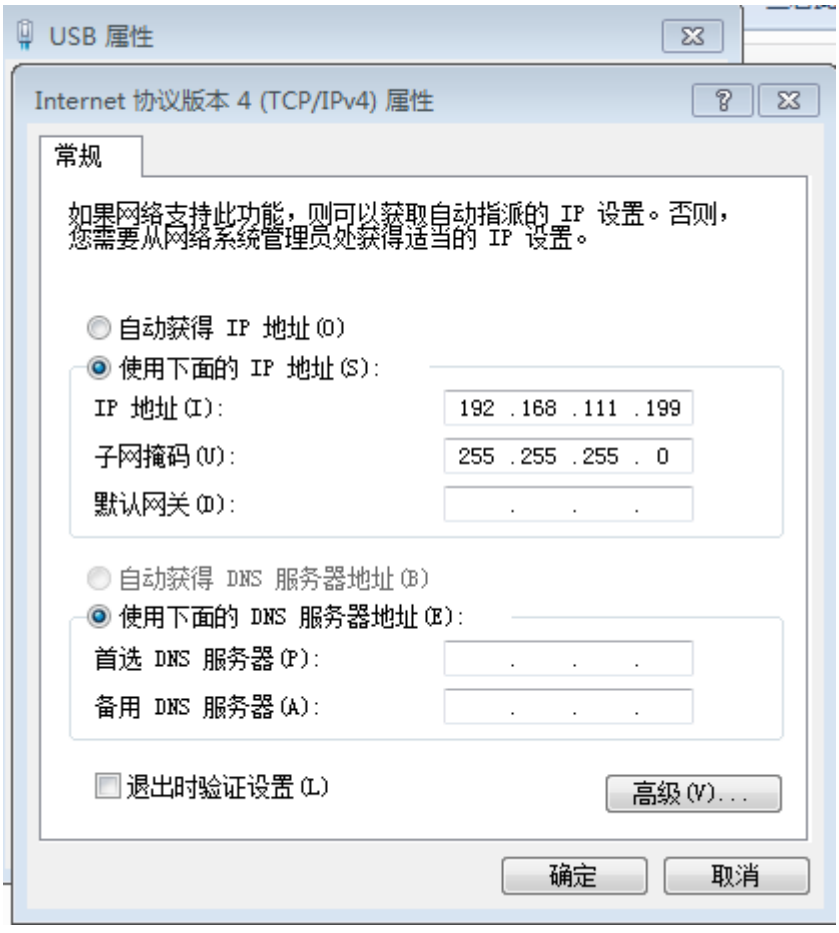
Hachi 测试样机

Windows 7 PC

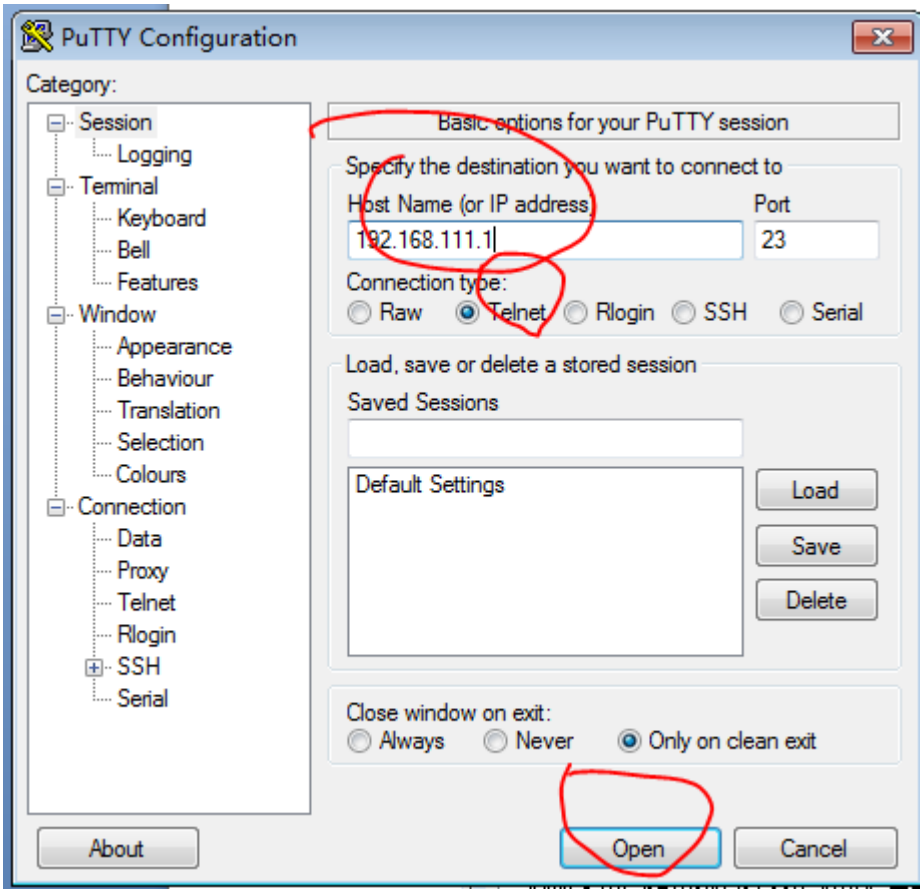
USB cable 一根

2. 连接

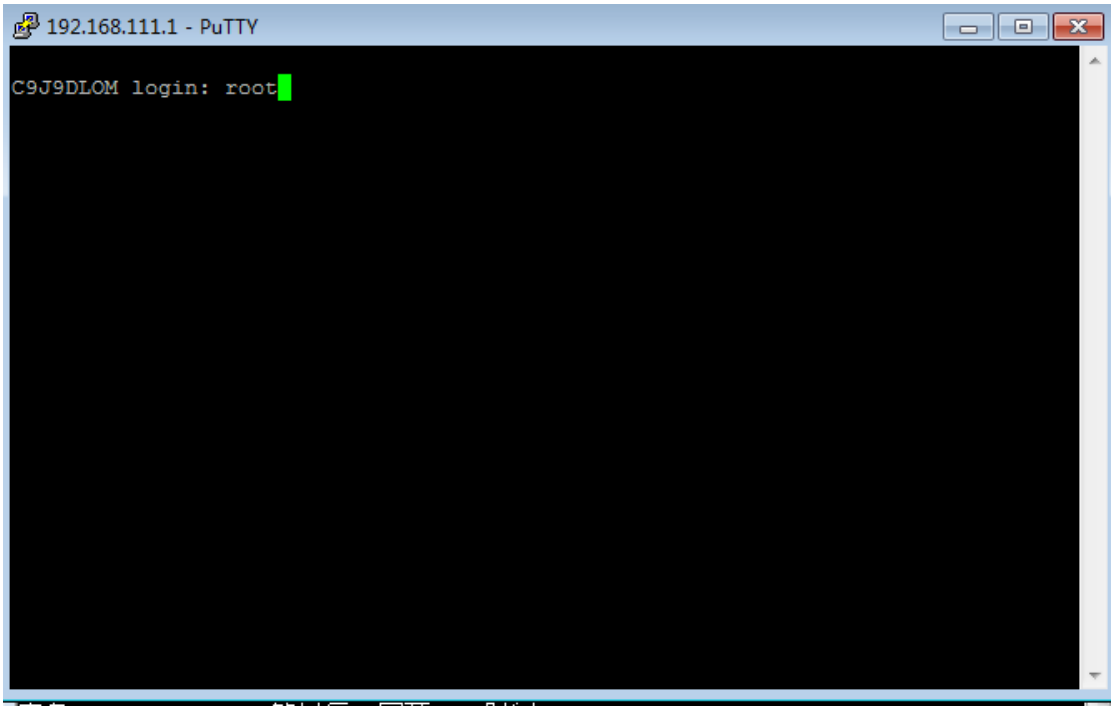
- Vidit 样机开机后，通过 USB cable 连接到 Window7 PC，发现未知设备后手动安装 USB 目录下的 linux.inf 文件。设备安装成功后，等待 DHCP 分配 IP，如果失败，手动设置新添加的网卡 IP 地址，比如 192.168.111.199，如下图：



- 网络安装成功后，运行 putty.exe



- 输入 root，回车登录



3. 系统的重启/关机/升级

- 命令行重启： 在登录后输入 agsh reboot
- 命令行关机：在登录后输入 agsh poweroff
- 按键强制关机：按住机器开机键超过 16s，灯熄灭关机
- 系统开机：长按开机键开机，灯亮放手
- 系统升级：

  a) 关机

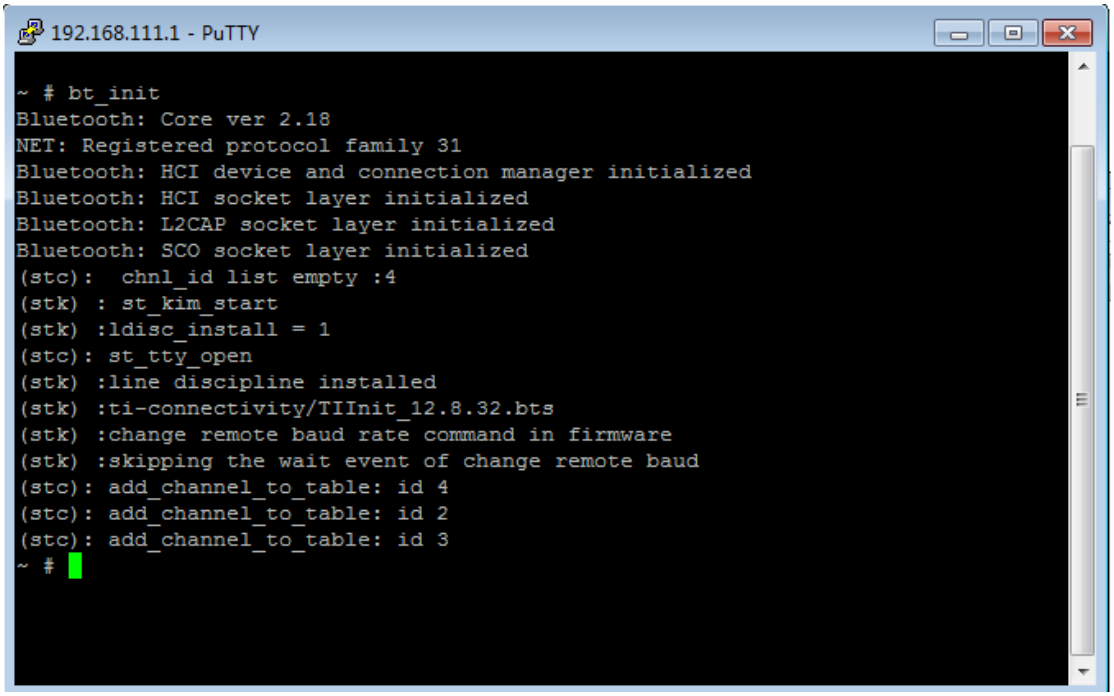
  b) 拔下 TF 卡，用读卡器复制*.tsf 文件到 TF 卡根目录

  c) 插入 TF 卡

  d) 开机，系统会自动升级，屏幕上会有一些显示，系统会在升级完成时自动重启。等 5 分钟左右就可以了。

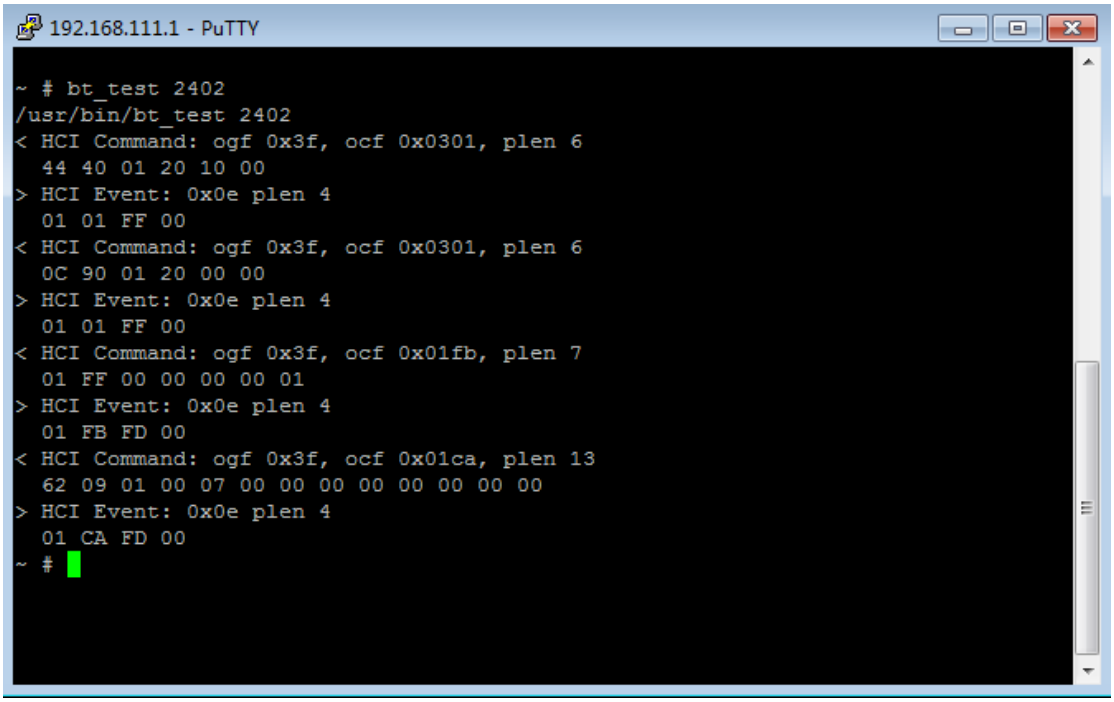
4. 蓝牙（BT）测试 （蓝牙测试须在 Wifi 测试之前跑，或者 wifi 测试之后从重启再跑）

BT 初始化：bt_init



BT 测试命令: *bt_test frequency[2402-2480]*，例如：

bt_test 2402



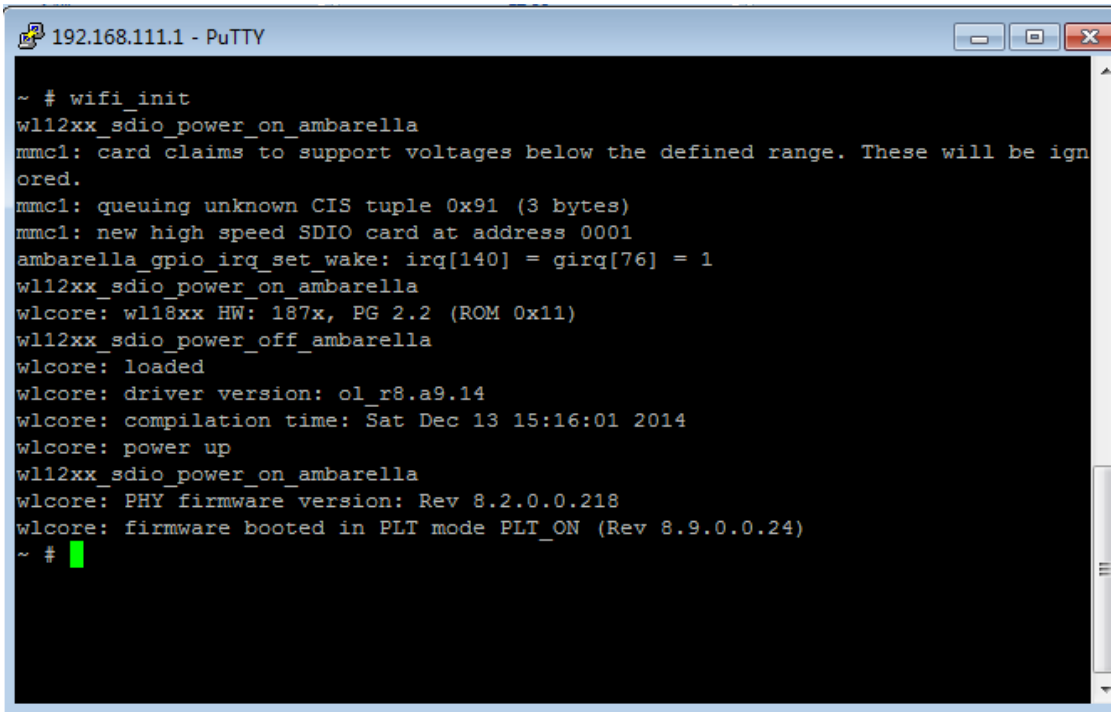
5. Wifi 测试命令

- Wifi <rate> table:

11b	11g	11n
0 = 1.0 Mbps	4 = 6.0 Mbps	12 = 6.5 Mbps (MCS0)
1 = 2.0 Mbps	5 = 9.0 Mbps	13 = 13.0 Mbps (MCS1)
2 = 5.0 Mbps	6 = 12.0 Mbps	14 = 19.5 Mbps (MCS2)
3 = 11.0 Mbps	7 = 18.0 Mbps	15 = 26.0 Mbps (MCS3)
	8 = 24.0 Mbps	16 = 39.0 Mbps (MCS4)
	9 = 36.0 Mbps	17 = 52.0 Mbps (MCS5)
	10 = 48.0 Mbps	18 = 58.5 Mbps (MCS6)
	11 = 54.0 Mbps	19 = 65.0 Mbps (MCS7)

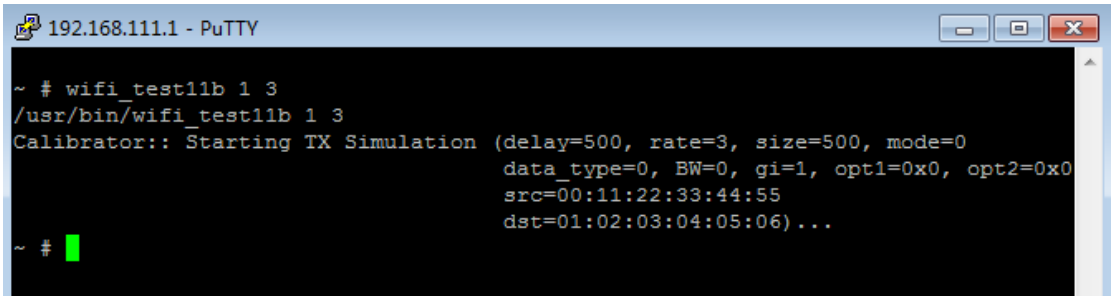
硬件支持 b/g/n 模式。

Wifi 初始化：*wifi_init*



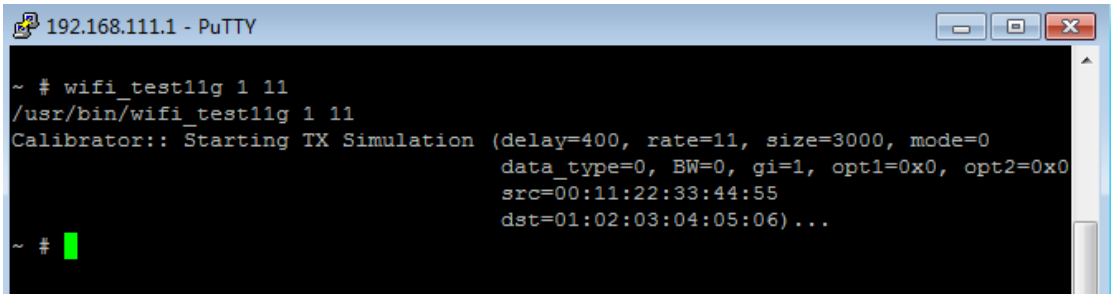
Wifi 测试 11b: *wifi_test11b channel[1-14] rate[0-3]* , 例如：

wifi_test11b 1 3



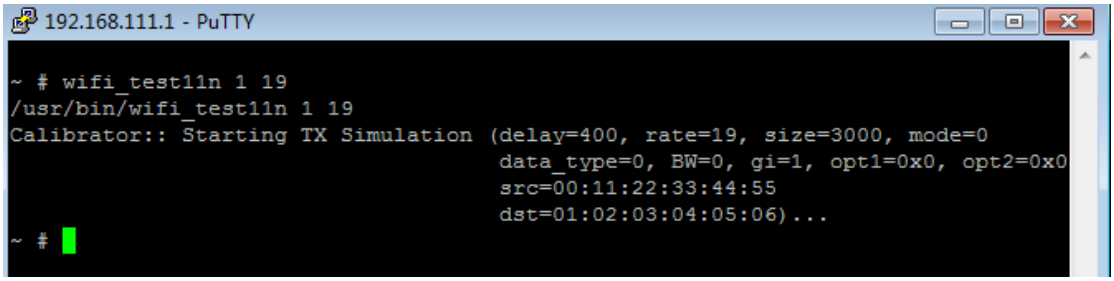
Wifi 测试 11g: *wifi_test11g channel[1-14] rate[4-11]* , 例如：

wifi_test11g 1 11



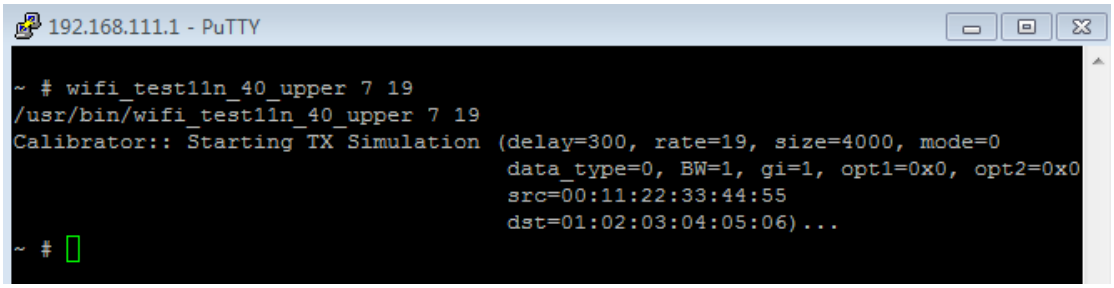
Wifi 测试 11n: *wifi_test11n channel[1-14] rate[12-19]* , 例如：

wifi_test11n 1 19



Wifi 测试 11n 40M upper: *wifi_test11n_40_upper channel[5-13] rate[12-19]* , 例如：

wifi_test11n_40_upper 7 19



Wifi 测试 11n 40M lower: *wifi_test11n_40_lower channel[1-9] rate[12-19]* , 例如：

wifi_test11n_40_lower 7 19