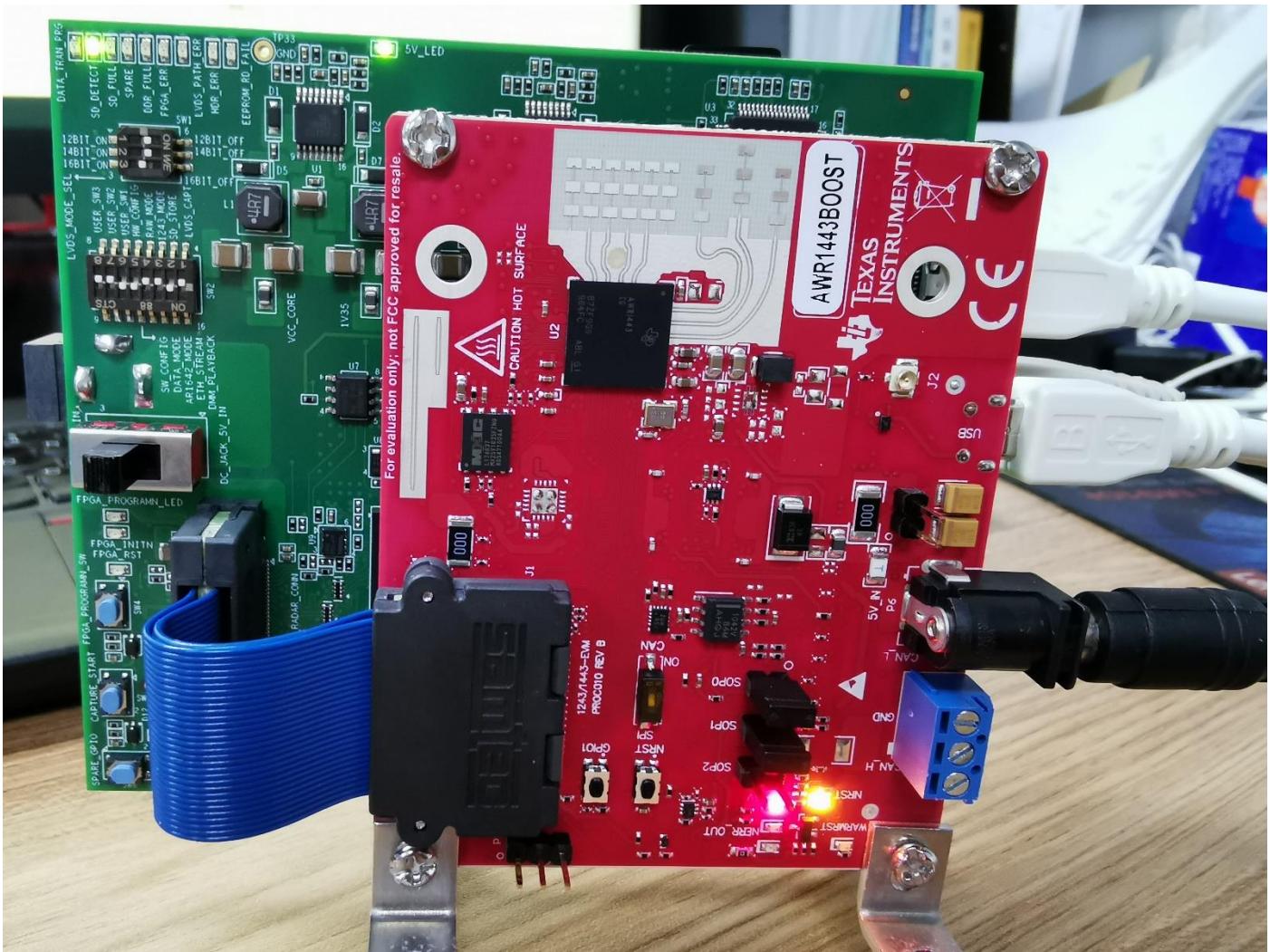


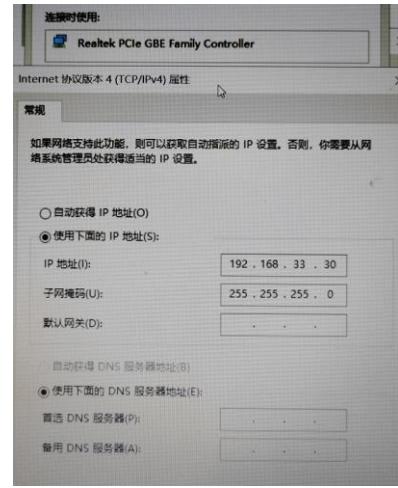
AWR1243+DCA1000EVM mmWave Studio 2.1.0 和 2.0.0 软件均无法实现 RS232 连接  
仪器连接和配置如下图所示：(均按照说明文档设置)



电源为 5V, 4A, 两模块指示灯正常

- ▼ 端口 (COM 和 LPT)
  - USB AR-DevPack-EVM-012 (COM10)
  - USB AR-DevPack-EVM-012 (COM11)
  - USB AR-DevPack-EVM-012 (COM12)
  - USB AR-DevPack-EVM-012 (COM9)
  - USB XDS110 Class Application/User UART (COM14)
  - USB XDS110 Class Auxiliary Data Port (COM13)

驱动正常，均显示 COM 口



IP 设置按照要求设置，但显示未识别的网络

The screenshot shows the mmWave Studio 2.1.0.0 software interface. The main window displays the 'RadarAPI' tab. On the left, there's a 'Board Control' panel with a 'Reset Control' section containing a 'Reset' button and a 'Set (1)' button. Below it are sections for 'RS232 Operations' (COM Port: COM14, Baud Rate: 115200), 'SPI Connectivity Status' (Disconnected), and 'Device Status' (Die Id: BSS firmware version: BSS Patch firmware ver: MSS firmware version: MSS Patch firmware ver:). On the right, there's a 'Files' section with dropdown menus for 'BSS FW', 'MSS FW', and 'Config File', each with a 'Load' button. A 'SPI Operations' section contains 'SPI Connect (5)' and 'RF Power-up (6)' buttons. The right side of the interface features a large 'Output' window displaying a log of script messages. The log shows the application performing various initialization steps, connecting to Matlab, and starting the Matlab Engine, all of which pass successfully.

```
[20:58:25] GM: 1 Guest (s) init
[20:58:25] GM: 1 Module(s) init
[20:58:25] GM: 2 Tab (s) init
[20:58:25] RSTD.Client_LoadXml()
[20:58:25] [RadarAPI]: ar1.selectRadarMode(0)
[20:58:25] [RadarAPI]: Status: Passed
[20:58:25] Matlab Runtime Engine is installed
[20:58:25] [RadarAPI]: Starting Matlab Engine..
[20:58:43] [RadarAPI]: Matlab Engine Started!
[20:58:46] [RadarAPI]: ar1.selectCascadeMode(0)
[20:58:46] [RadarAPI]: Status: Passed
[20:58:46] [RadarAPI]: ar1.LoadSettings('C:\Users\yyxio\AppData\Roaming\RSTD\arogui.ini')
[20:58:47] TESTING = false
[20:58:47] RstdNet: Port 2777: Listening..
[20:58:47]
[20:58:47] ***Script completed successfully.***
[20:58:51] [RadarAPI]: Opening Gpio Control Port()
[20:58:51] [RadarAPI]: Status: Passed
[20:58:51] [RadarAPI]: Opening Board Control Port()
[20:58:51] [RadarAPI]: Status: Passed
[20:58:52] [RadarAPI]: ar1.FullReset()
[20:58:52] [RadarAPI]: Status: Passed
[20:58:53] [RadarAPI]: Closing Board Control Port()
[20:58:53] [RadarAPI]: Status: Passed
[20:58:53] [RadarAPI]: Closing Gpio Control Port()
[20:58:53] [RadarAPI]: Status: Passed
[20:58:54] [RadarAPI]: ar1.SOPControl(2)
[20:58:54] [RadarAPI]: Status: Passed
[20:58:56] [RadarAPI]: ar1.Connect(14,115200,1000)
[20:58:58] [RadarAPI]: Error: Connection failed: Calling_ConnectTarget returned 3
[20:58:58] [RadarAPI]: ar1.Calling_IsConnected()
[20:58:58] [RadarAPI]: ar1.SaveSettings('C:\Users\yyxio\AppData\Roaming\RSTD\arogui.ini')
[20:59:03] [RadarAPI]: ar1.Connect(14,921600,1000)
[20:59:06] [RadarAPI]: Error: Connection failed: Calling_ConnectTarget returned 3
[20:59:06] [RadarAPI]: ar1.Calling_IsConnected()
[20:59:06] [RadarAPI]: ar1.SaveSettings('C:\Users\yyxio\AppData\Roaming\RSTD\arogui.ini')
```

软件无法连接 RS232