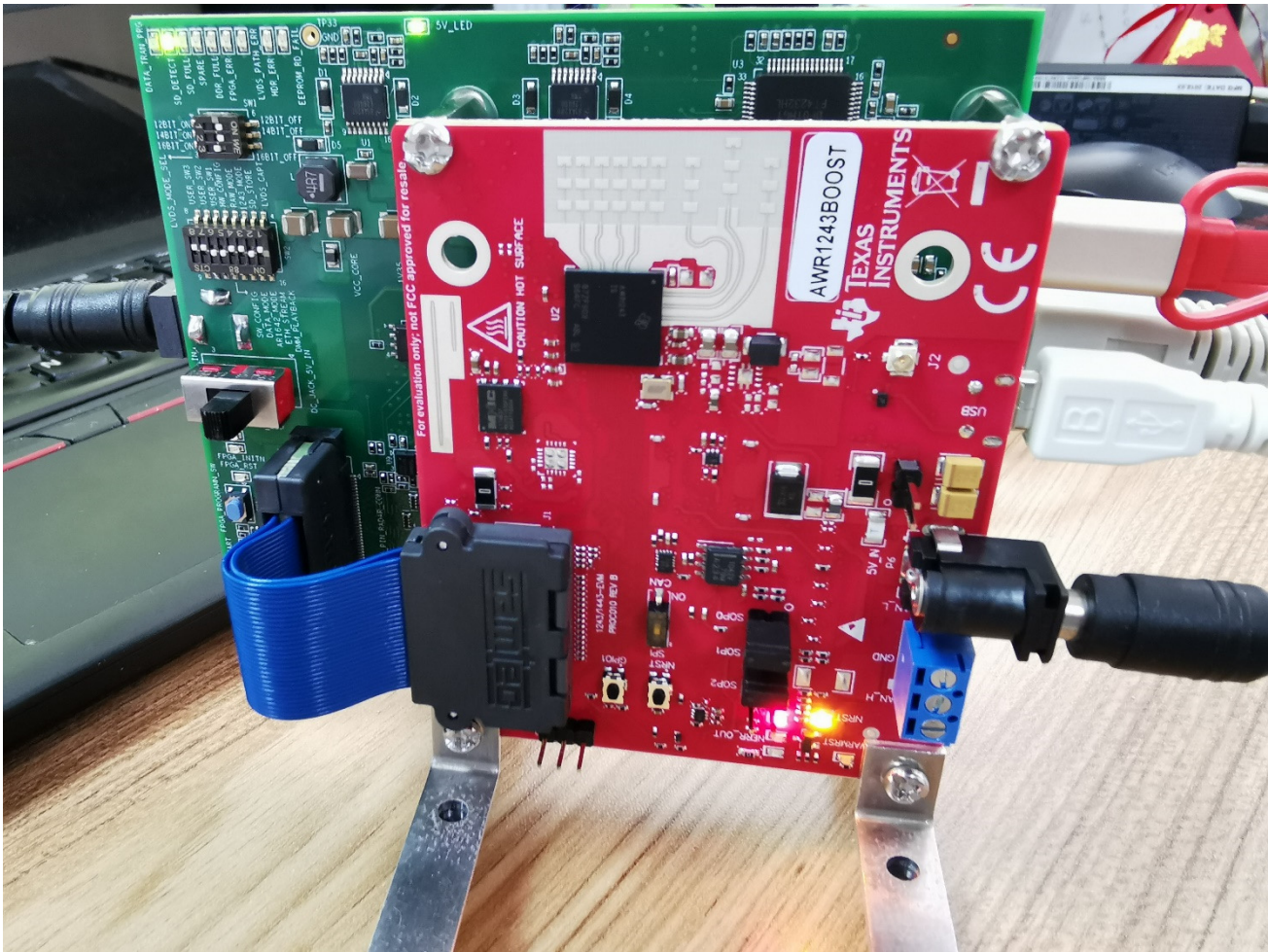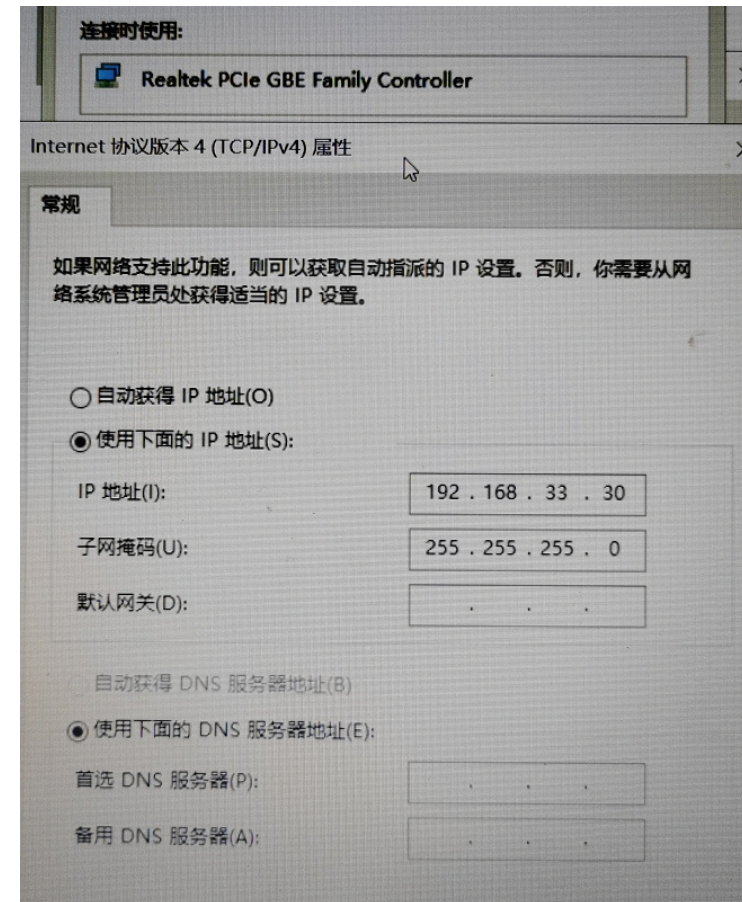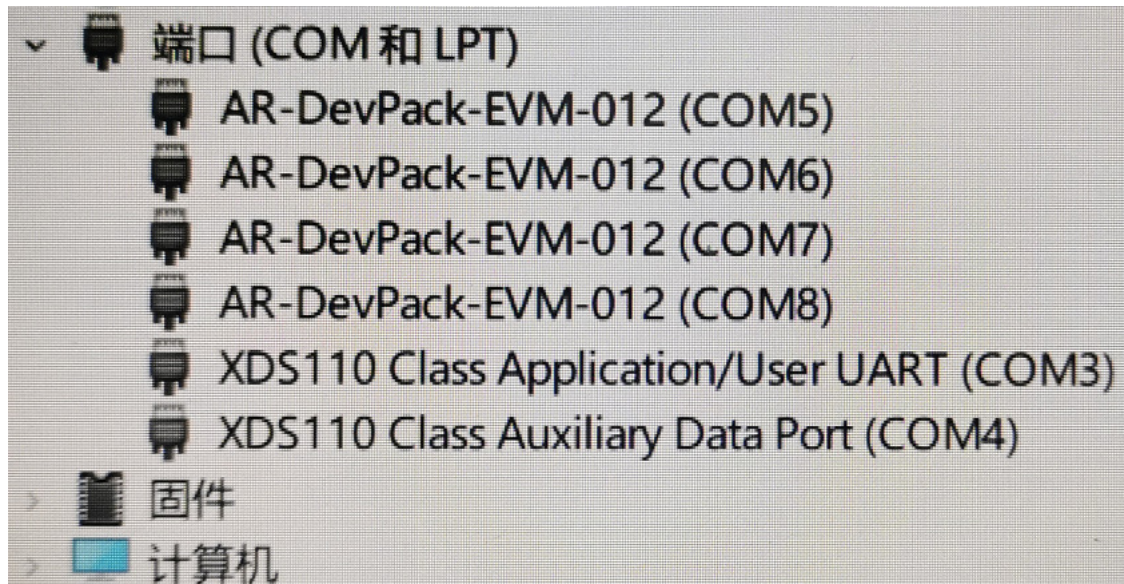AWR1243+DCA1000EVM problem

Thank you very much for your reply and instruction.

Unfortunately, the issues are not solved.

With the operations according to the standard requirements:

1. Connect the hardware to the PC (see the picture), and the software and corresponding drivers are installed correctly. See below

2. Operate the mmWave Studio 2.1.00 correctly.
    First step: choose the CoM Port with COM3 and Baud Rate is set to be 921600.
    Second step: Reset control and push the set button (Set (1)) (The output shows the result is ok).
    Third step: RS232 Operations and push the connect button (Connect (2)) (The output shows Error: Connection failed: calling _connect Target returned 3)
    See the picture (GUI of mmWave Studio 2.1 software) below for your reference.

3. I have changed three host PCs, but the connection problems are always existed. What is more, the light of ethernet is yellow.

mmWave Studio 2.1.0.0

File View Tools ToolBars Window Help

RadarAPI

MSSMon DynamicChirpCfg ClockOutCfg CalibDataCfg Import_Export

Connection StaticConfig DataConfig TestSource SensorConfig IntChirpBlkCtlCfg RegOp ContStream BPMConfig AdvFrameConfig RampTimingCalculator LoopBack ExtFilterProg CalibC

Board Control

Reset Control

Reset

Set (1)

SOP Mode controlled via jumper on EVM

RS232 Operations

COM Port COM3

Baud Rate 921600

Connect (2)

No.of Devices Detected: 1

FTDI Connectivity Status: **Connected**

RS232 Connectivity Status: **Disconnected**

SPI Connectivity Status: **Disconnected**

Device Status:

Die Id:

BSS firmware version:

BSS Patch firmware ver:

MSS firmware version:

MSS Patch firmware ver:

GUI Version: 2.1.0.0

Radar Link Version: 2.0.9.0 (31/07/19)

Post Proc Version: 4.86

Operating Frequency
- ○ 60 GHz
- ○ 77 GHz

Device Variant
- ○ XWR12xx ○ xWR6843
- ○ XWR14xx ○ xWR1843
- ○ XWR16xx

Files

BSS FW: [...] Load (3)

MSS FW: [...] Load (4)

Config File: [...] Load

SPI Operations

SPI Connect (5)

RF Power-up (6)

Run! Pause

Control Port()
[17:00:24] [RadarAPI]: Status: Passed
[17:00:24] [RadarAPI]: Closing Gpio Control
Port()
[17:00:24] [RadarAPI]: Status: Passed
[17:00:24] [RadarAPI]: arl.SOPControl(2)
[17:00:24] [RadarAPI]: Status: Passed
[17:00:33] [RadarAPI]: arl.Connect
(3,921600,1000)
[17:00:35] [RadarAPI]: Error: Connection
failed: Calling_ConnectTarget returned 3
[17:00:35] [RadarAPI]:
arl.Calling_IsConnected()
[17:00:35] [RadarAPI]: arl.SaveSettings('C:
\Users\ASUS\AppData\Roaming\RSTD
\arlgui.ini')
[17:01:40] [RadarAPI]: Opening Gpio Control
Port()
[17:01:40] [RadarAPI]: Status: Passed
[17:01:41] [RadarAPI]: Opening Board
Control Port()
[17:01:41] [RadarAPI]: Status: Passed
[17:01:42] [RadarAPI]: arl.FullReset()
[17:01:42] [RadarAPI]: Status: Passed
[17:01:42] [RadarAPI]: Closing Board
Control Port()
[17:01:42] [RadarAPI]: Status: Passed
[17:01:42] [RadarAPI]: Closing Gpio Control
Port()
[17:01:42] [RadarAPI]: Status: Passed
[17:01:42] [RadarAPI]: arl.SOPControl(2)
[17:01:42] [RadarAPI]: Status: Passed
[17:01:49] [RadarAPI]: arl.Connect
(3,921600,1000)
[17:01:52] [RadarAPI]: Error: Connection
failed: Calling_ConnectTarget returned 3
[17:01:52] [RadarAPI]:
arl.Calling_IsConnected()
[17:01:52] [RadarAPI]: arl.SaveSettings('C:
\Users\ASUS\AppData\Roaming\RSTD
\arlgui.ini')

Output Script Messages Only Exc: Inc:

Browse

TEXAS INSTRUMENTS