Summary of the problems encountered in the cascade board

一、Problems encountered

According to the guidance of the official document, the downloaded mmwave\_studio script is run: Cascade\_Configuration\_MIMO.lua and Cascade\_Capture.lua, and the running results are shown in the figure:



图1 mmwave\_studio运行结果

Using WinSCP to view SSD, only a new folder and no data under the folder, as shown in the figure:

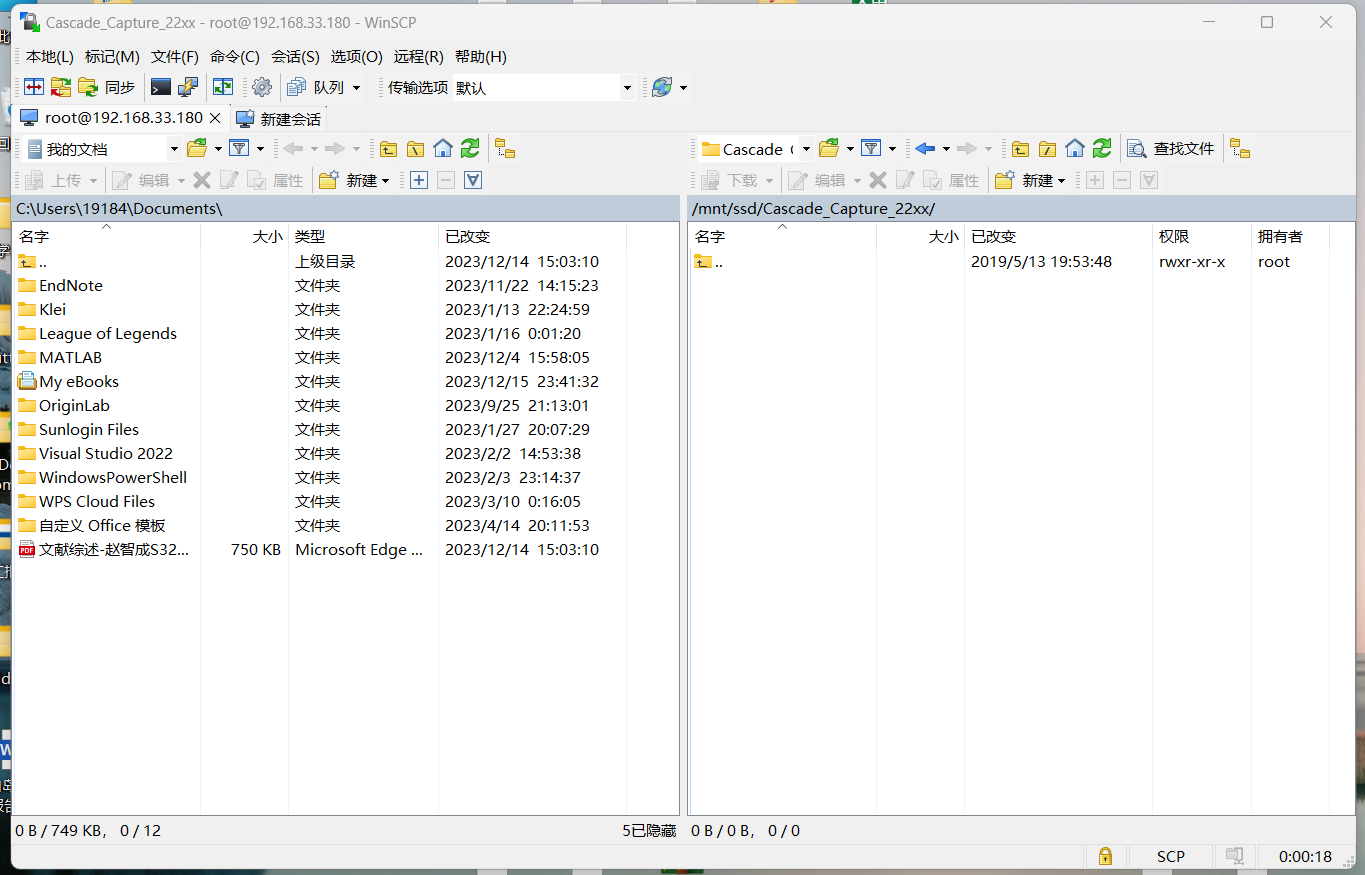


Figure 2 There is no radar echo data under the folder in the SSD

The DSP board status is as shown below:

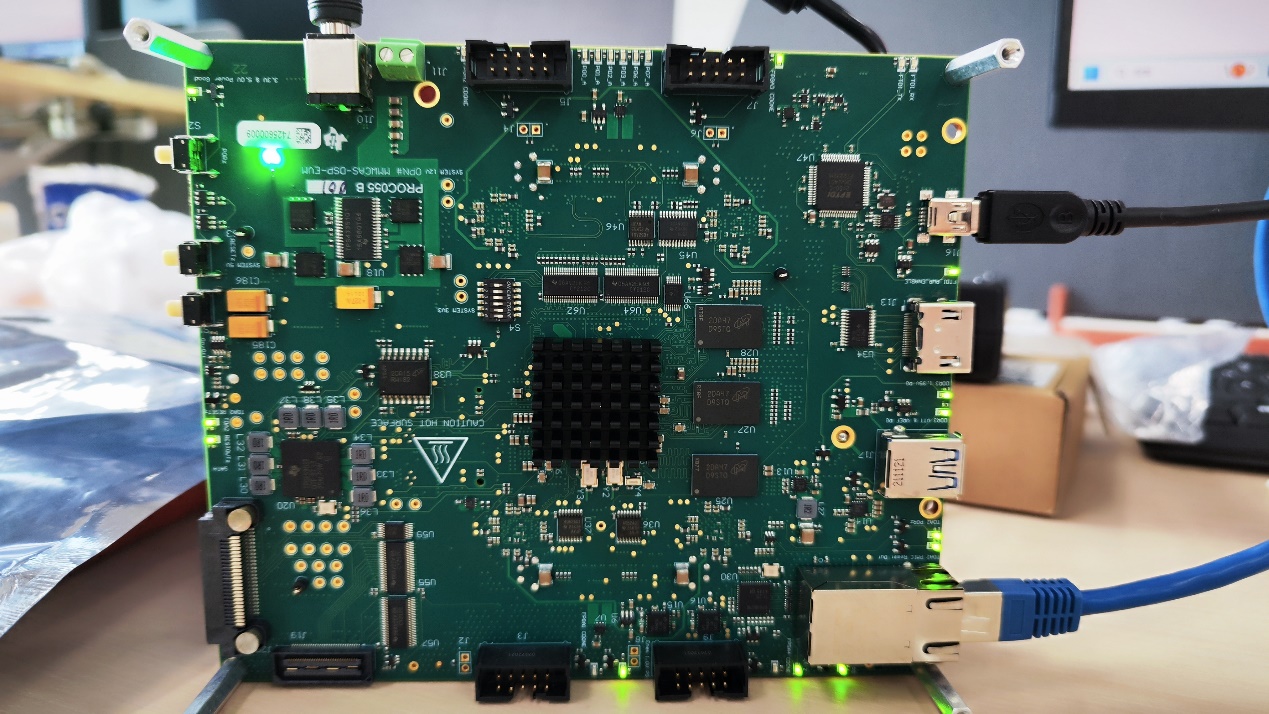


图3 DSP板运行状态图

二、Forum information

Check the related problems and solutions to the forum, mainly refer to the following two articles: AWR1243: Cascade EVM-No data files in SSD after successful running script Cascade\_Capture.lua-Sensor Forum-Sensor-TI E2E Support Forum and MMWCAS-DSP-EVM: Cascade EVM-No data files in SSD after successful running script Cascade\_Capture.lua-Sensor Forum-Sensor-TI E2E Support Forum:

For the first forum, mmwave\_studio error is shown in the figure:

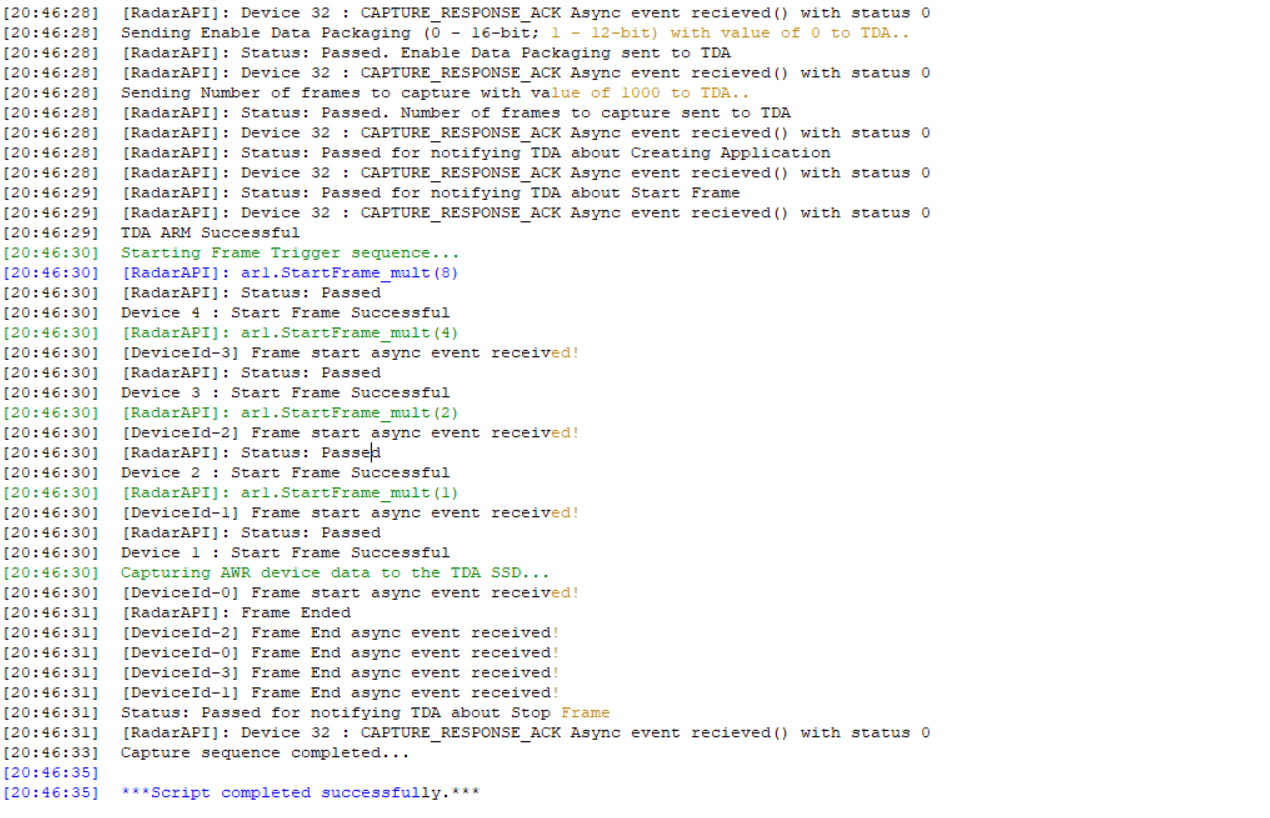


Figure 4, mmwave \_ studio, reported an error

The official explanation given by the forum is the FPGA start timing problem, and the DSP back indicator should be shown in the figure:

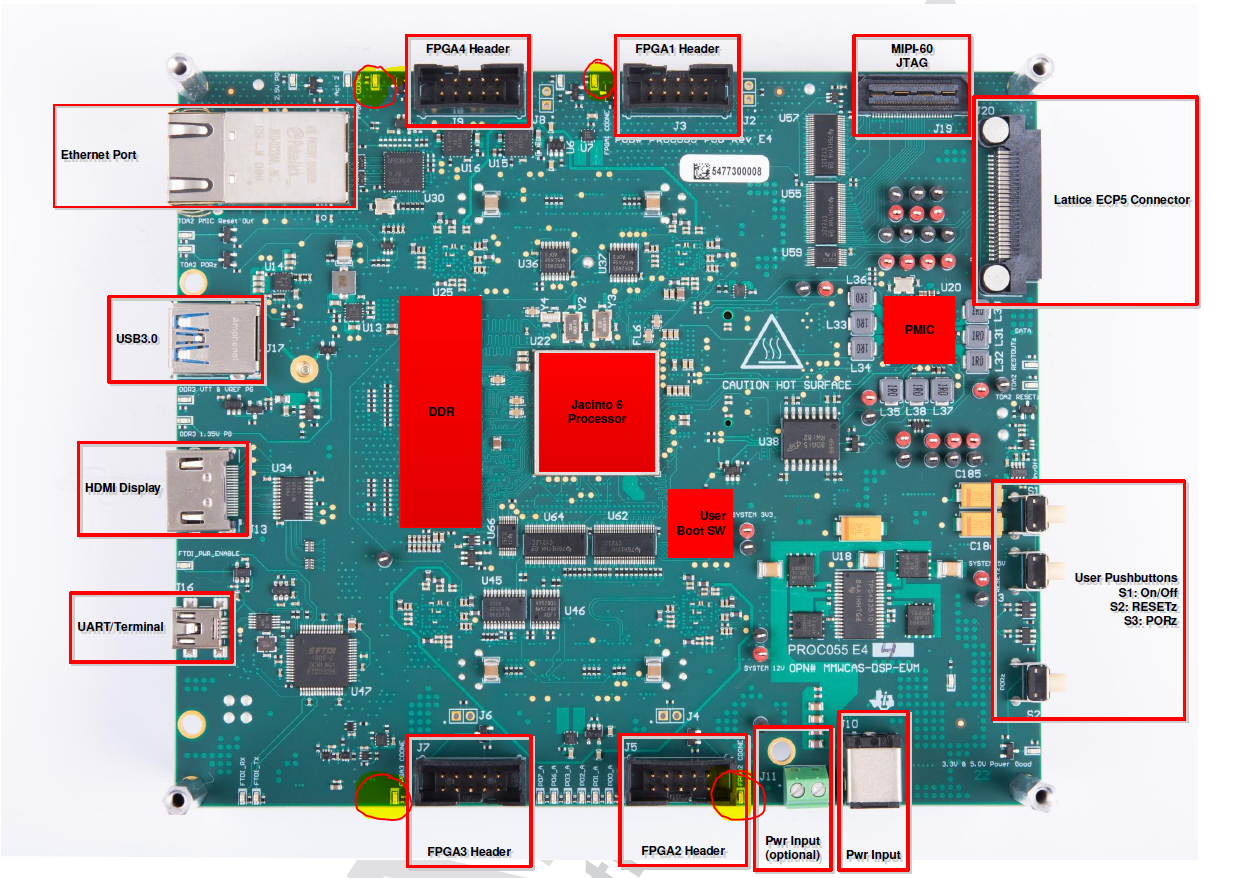


Figure 5 DSP normal display Fig

The four FPGA indicators should be lit normally, and our board can only be lit on FPGA 3. As shown in figure 3 above, nothing else can be lit up, but the problem is not solved.