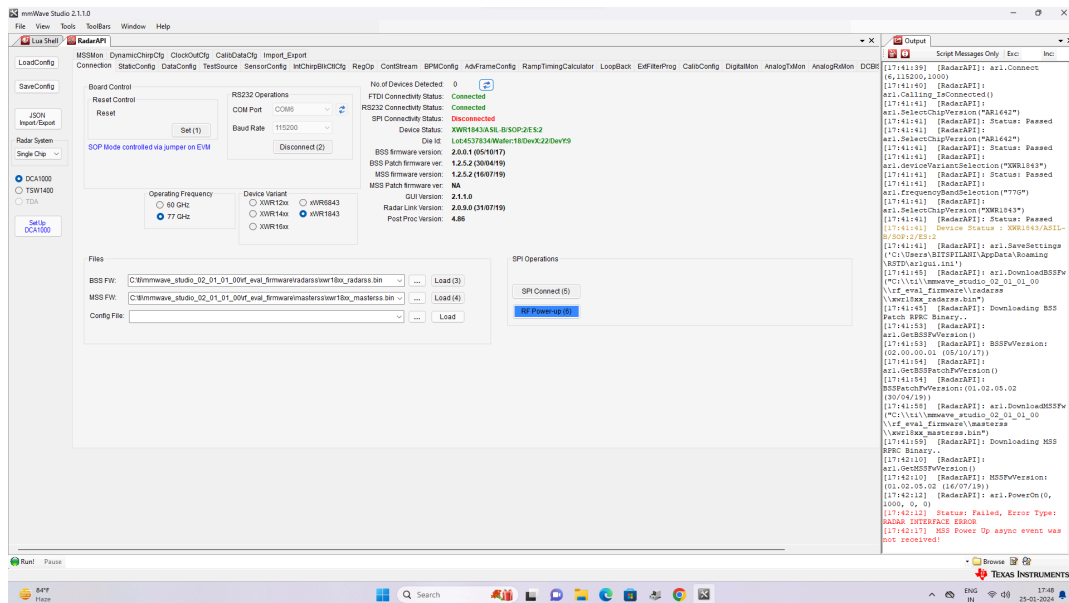We are trying to extract raw ADC data from the AWR1843BOOST and DCM1000EVM board through mmWave Studio. But we are facing multiple errors while doing the same.

We are following the [youtube video](#) for the setup of the board with mmWave Studio.

We have been referring to the video, user-guide and multiple queries on the official TI forum.

Steps followed were:

1. Have connected the correct COM port (Application Port to the recommended BAUD rate).
2. Have loaded the correct firmware versions, which were available from the mmwave_studio package that came installed, for the BSS and MSS files.
3. The SOP mode has been set to dev mode (SOP 0 is 1 SOP 0 is 1 and SOP 2 is 2).
4. Everything until loading these files works fine, but when we try to connect SPI it gives me an error.
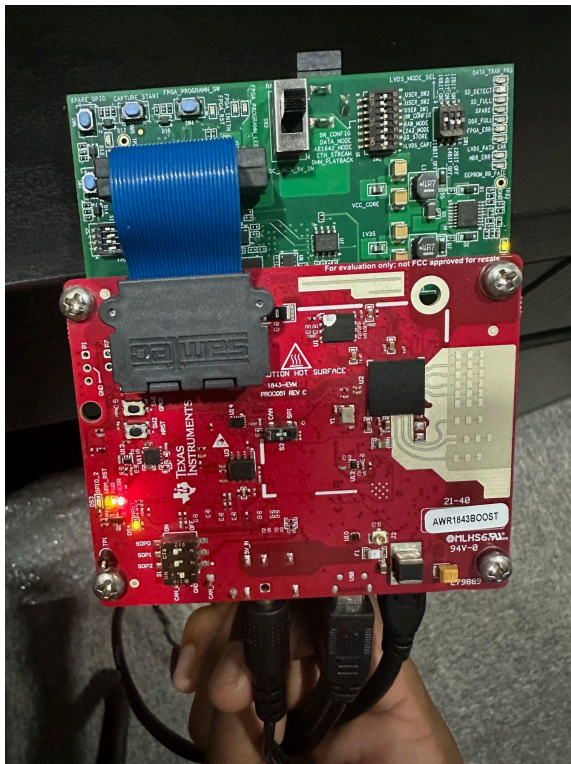

The error faced is

[17:42:12] Status: Failed, Error Type: RADAR INTERFACE ERROR
[17:42:17] MSS Power Up async event was not received!

We have searched up this error on the TI forums but have not been able to find any fix for the same. We have connected the correct ports, selected the right SOP modes.

On startup of the device, the DS1 NERR LED is switched on RED. On searching up this we found out that this means a HW error. But this red light would go away once the MSS file was loaded. Attaching the hardware setup picture for your reference.

The same set of errors keep repeating in a cycle without changing any of the settings. Yesterday we somehow managed to reach the "SensorConfig tab" after successful setup of the previous steps, while setting up the DCA1000, it gave an error saying FGPA version not available. After which when we tried to reset the device, the above mentioned set of errors started to appear.