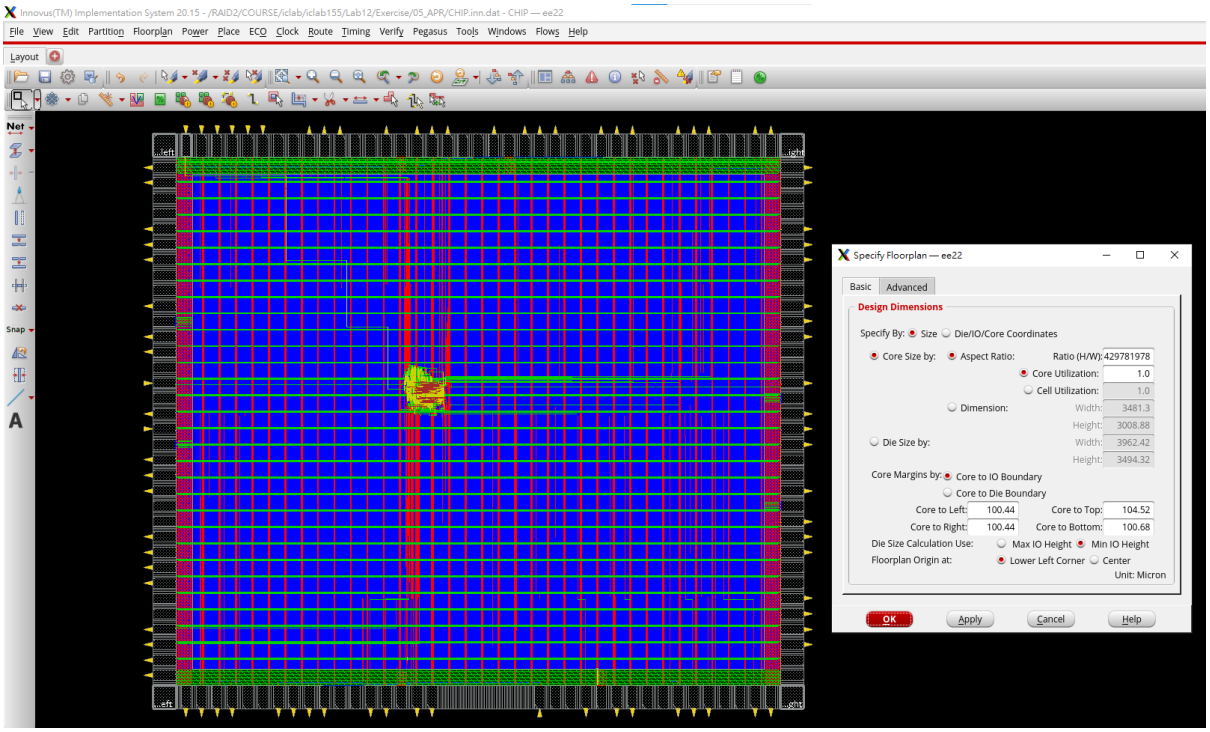
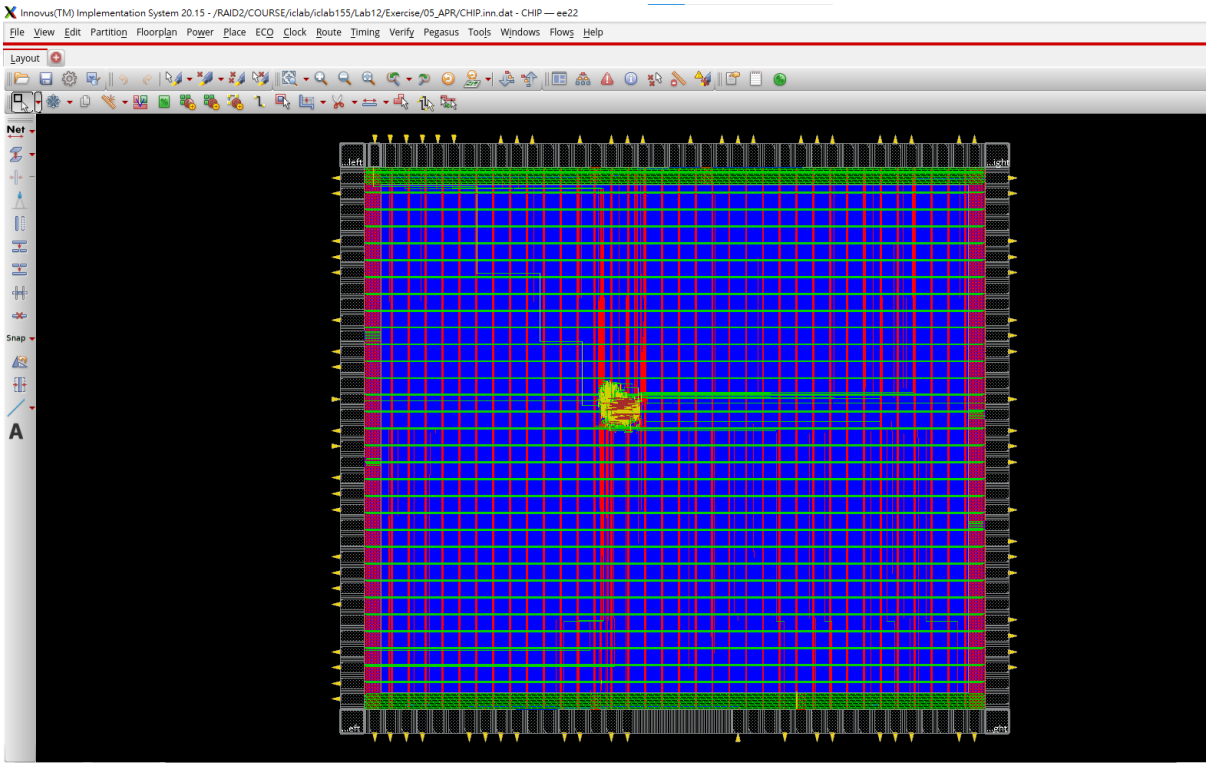
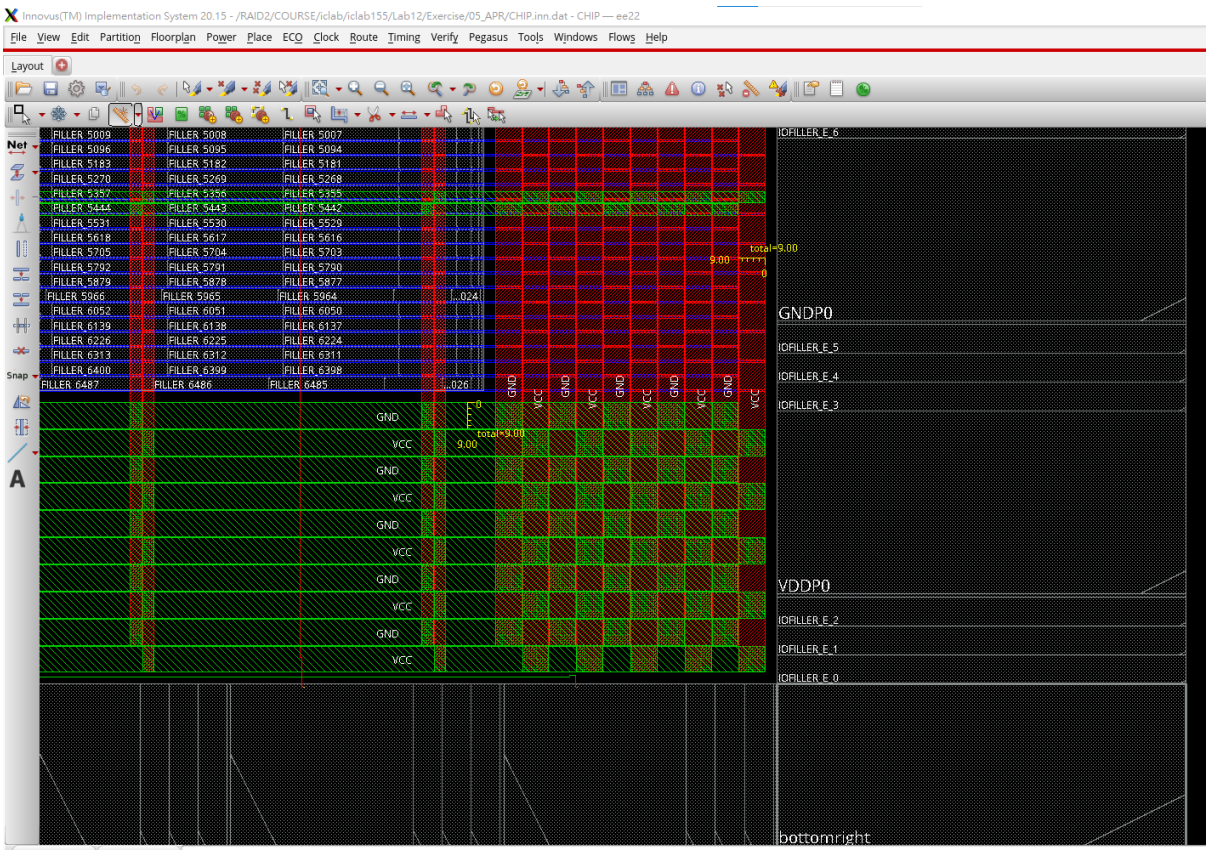
Report

1. Core to IO boundary :

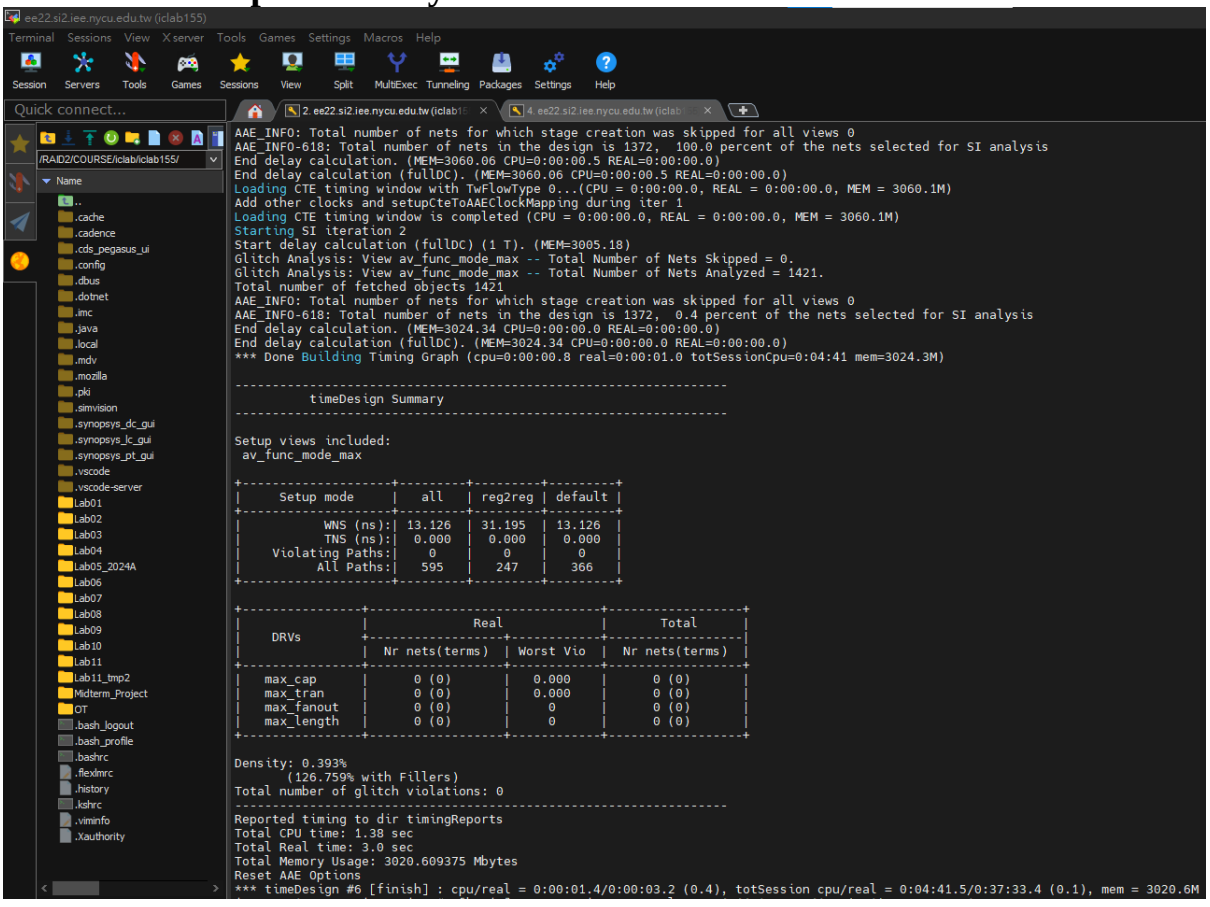


2. Core Ring :

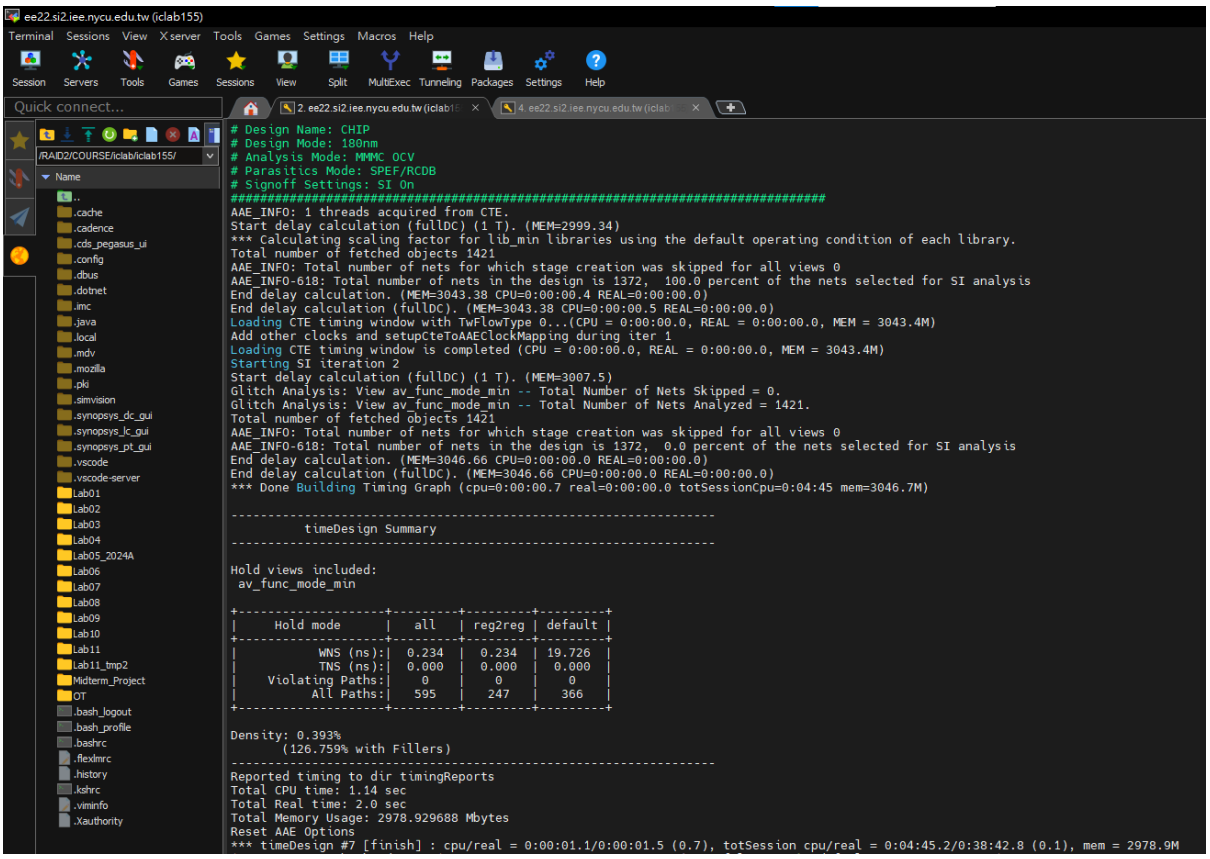




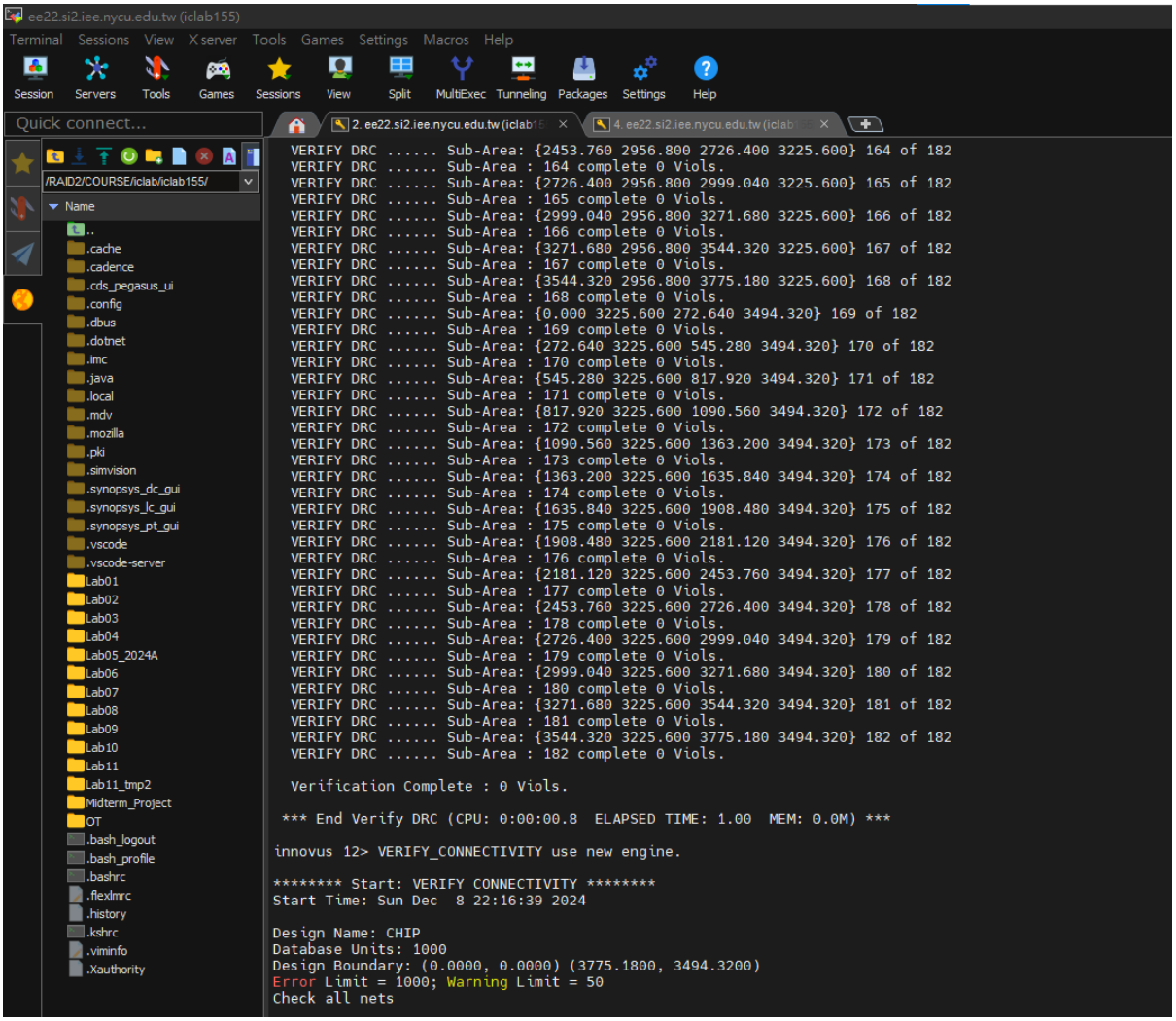
3. Post-Route setup time analysis :



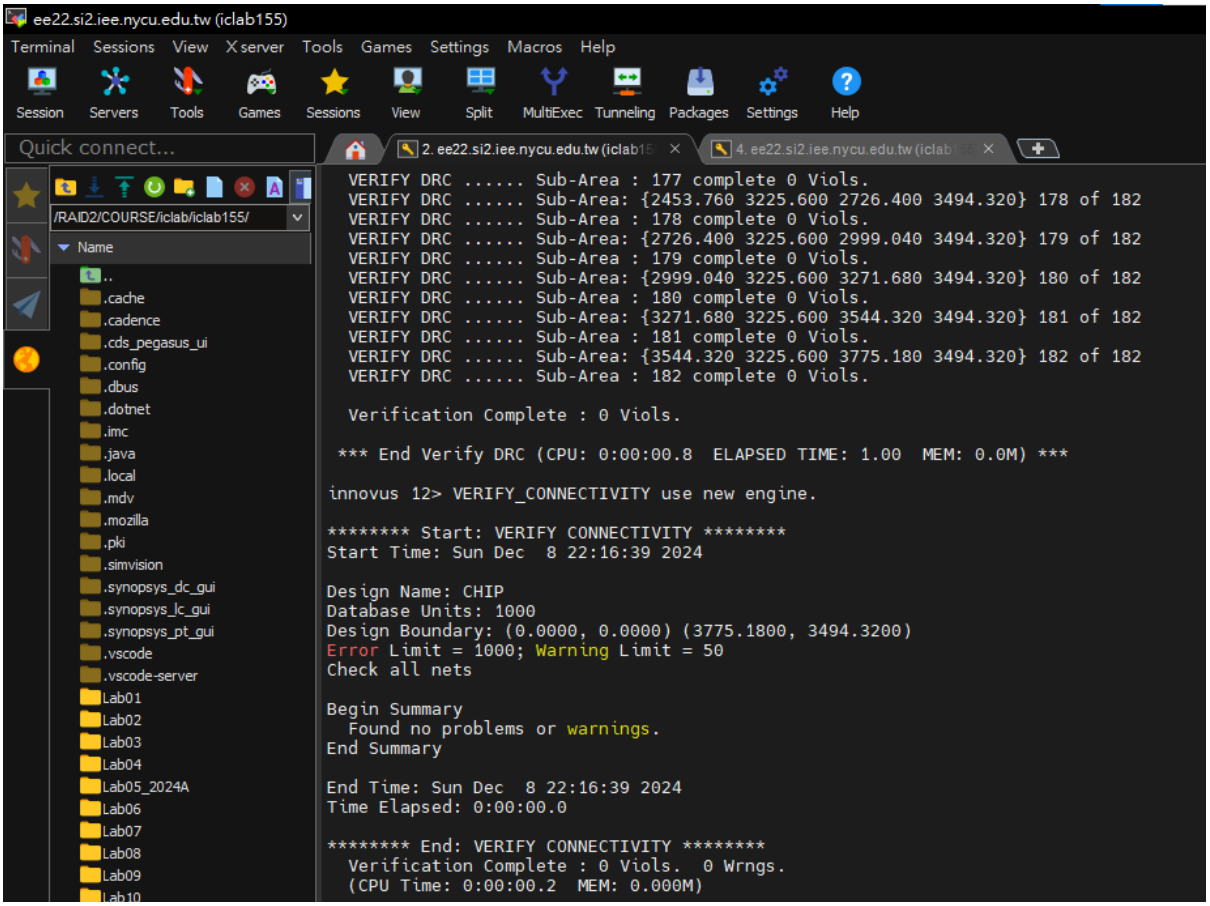
4. Post-Route hold time analysis :



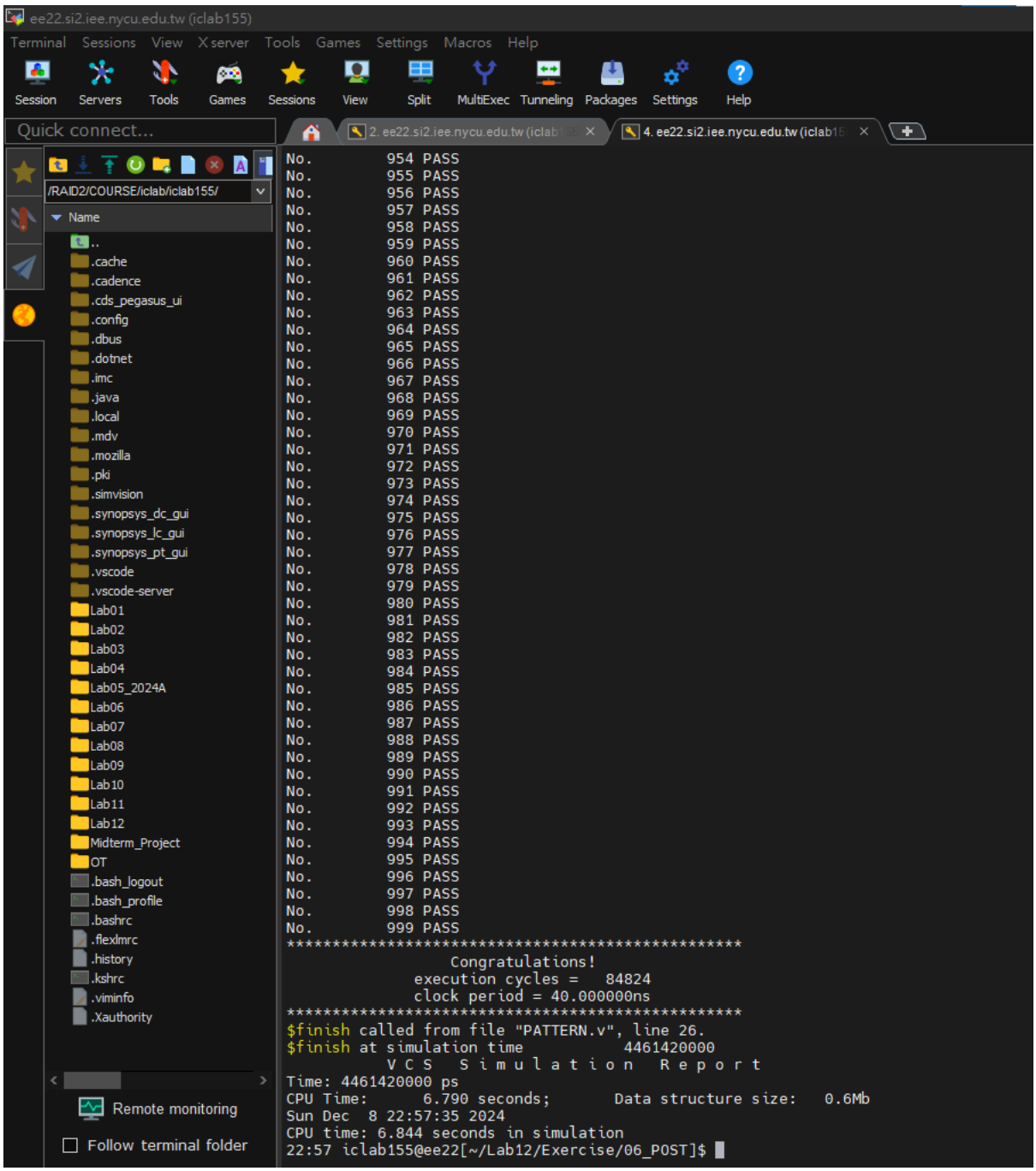
5. DRC result :



6. LVS result :



7. Post Layout simulation result :


ee22.si2.iee.nycu.edu.tw (iclab155)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
2. ee22.si2.iee.nycu.edu.tw (iclab
4. ee22.si2.iee.nycu.edu.tw (iclab15
/RAID2/COURSE/iclab/iclab155/
Name
..
.cache
.cadence
.cds_pegasus_ui
.config
.dbus
.dotnet
.imc
.java
.local
.mdv
.mozilla
.pki
.simvision
.synopsys_dc_gui
.synopsys_lc_gui
.synopsys_pt_gui
.vscode
.vscode-server
Lab01
Lab02
Lab03
Lab04
Lab05_2024A
Lab06
Lab07
Lab08
Lab09
Lab10
Lab11
Lab12
Midterm_Project
OT
.bash_logout
.bash_profile
.bashrc
.flexlmrc
.history
.kshrc
.viminfo
.Xauthority
Remote monitoring
Follow terminal folder
No. 954 PASS
No. 955 PASS
No. 956 PASS
No. 957 PASS
No. 958 PASS
No. 959 PASS
No. 960 PASS
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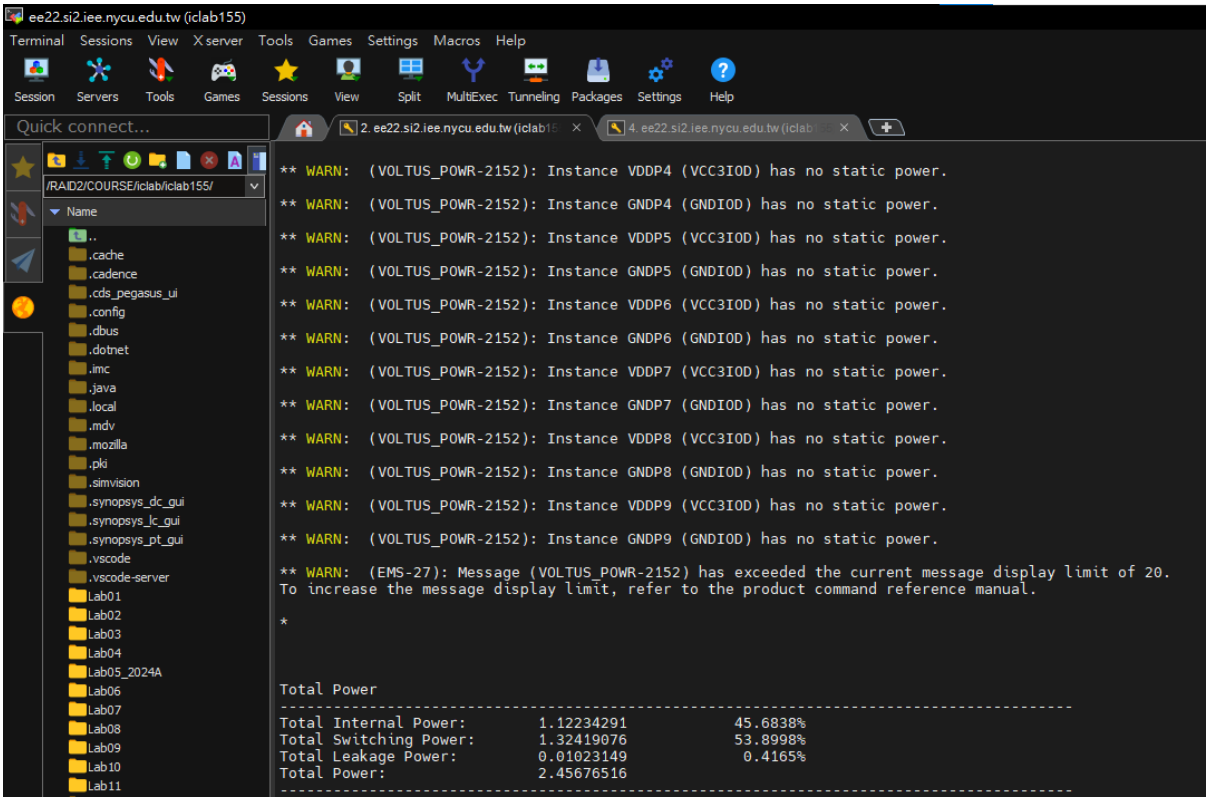
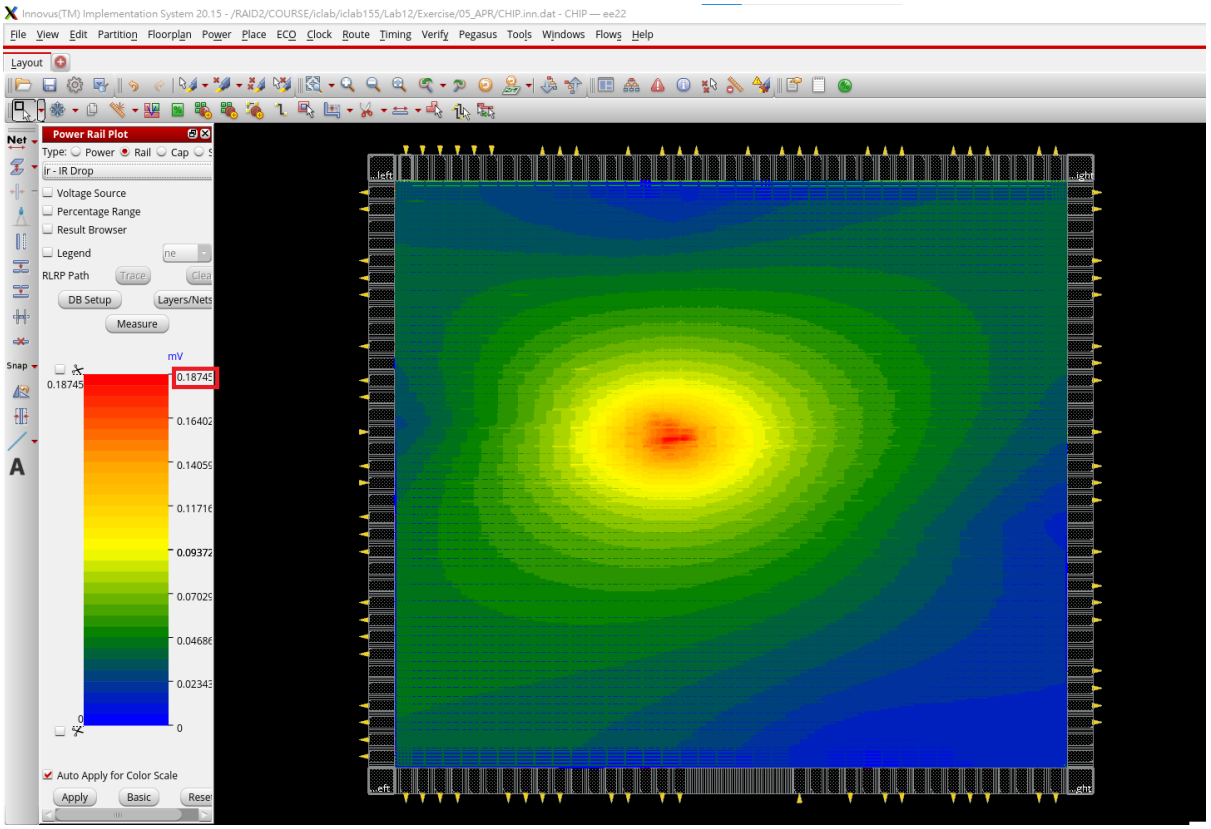
No. 991 PASS
No. 992 PASS
No. 993 PASS
No. 994 PASS
No. 995 PASS
No. 996 PASS
No. 997 PASS
No. 998 PASS
No. 999 PASS
****
Congratulations!
execution cycles = 84824
clock period = 40.000000ns
****
$finish called from file "PATTERN.v", line 26.
$finish at simulation time 4461420000
V C S Simulation Report
Time: 4461420000 ps
CPU Time: 6.790 seconds; Data structure size: 0.6Mb
Sun Dec 8 22:57:35 2024
CPU time: 6.844 seconds in simulation
22:57 iclab155@ee22[~/Lab12/Exercise/06_POST]$

8. Power result :



9. IR Drop Results :



我把utiliztion設定成0.7，並把4組的core power pad 盡量往中間擺，讓core裡的點到power pad的距離都不會太遠，最後的結果大約落在0.187mv左右。