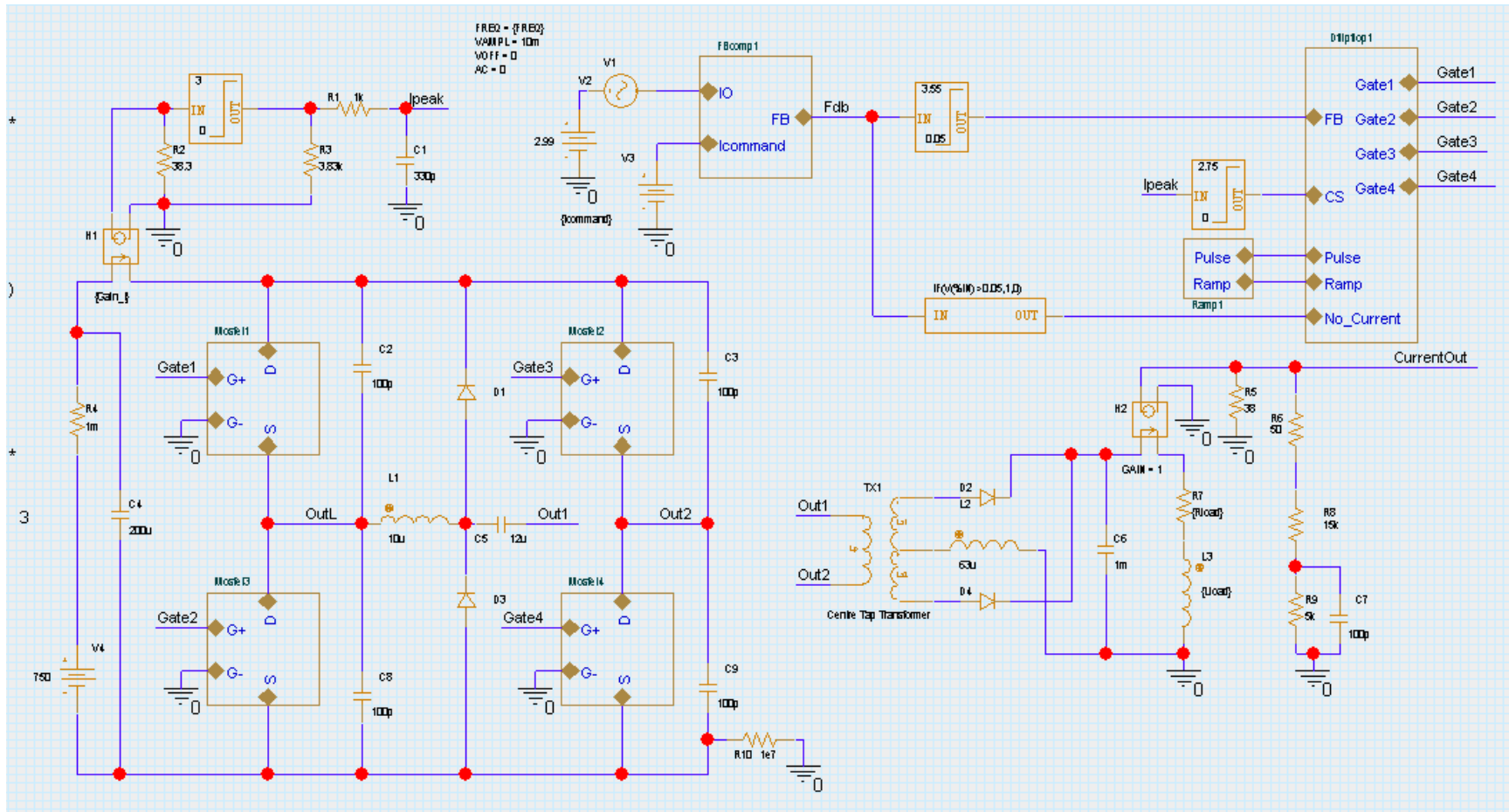


PHASE SHIFTED FULL BRIDGE PSPICE MODEL

BASED ON TI 1895 CONTROLLER

1. COMPLETE PSPICE MODEL



3. SOME PSPICE SIMULATION PARAMETERS INCLUSIVE BODE PLOT

```
@Pspice:
****Schematic Variables****
.param VIN = 750
.param Rload = 20
.param Lload = 100m
.param Icommand = 3
*.param Icommand = 3*
.param Gain_I = 0.02
****Simulation Options****
.PROBE64 V(*) I(*) W(*) D(*)
.options ITL1 = 3000
.options ITL2 = 3000
.options ITL4 = 3000
.options RELTOL = 0.5
.options ABSTOL = 1e-3
.options VNTOL = 0.01
.options PIVTOL = 1e-5
****RIPPLE INJECTION*****
.param FREQ = 100
.TRAN 0 {5/FREQ + 40m} 40m
.STEP DEC PARAM FREQ 10 10k 3
.PROBE64 P(FREQ)
.options MINSIMPTS = 3
```