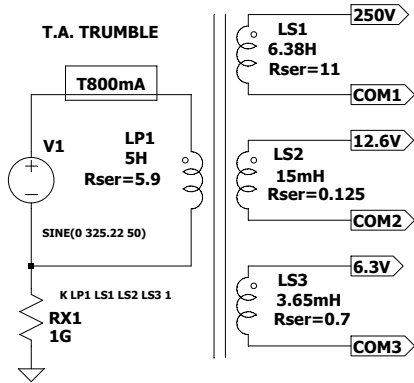


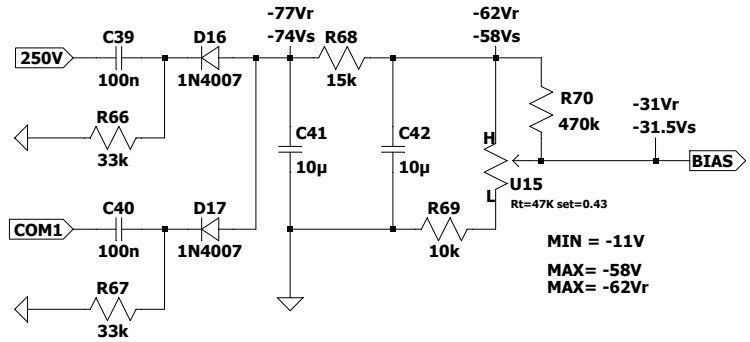
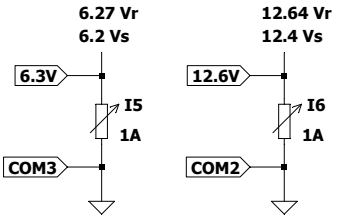
T.A. TRUMBLE



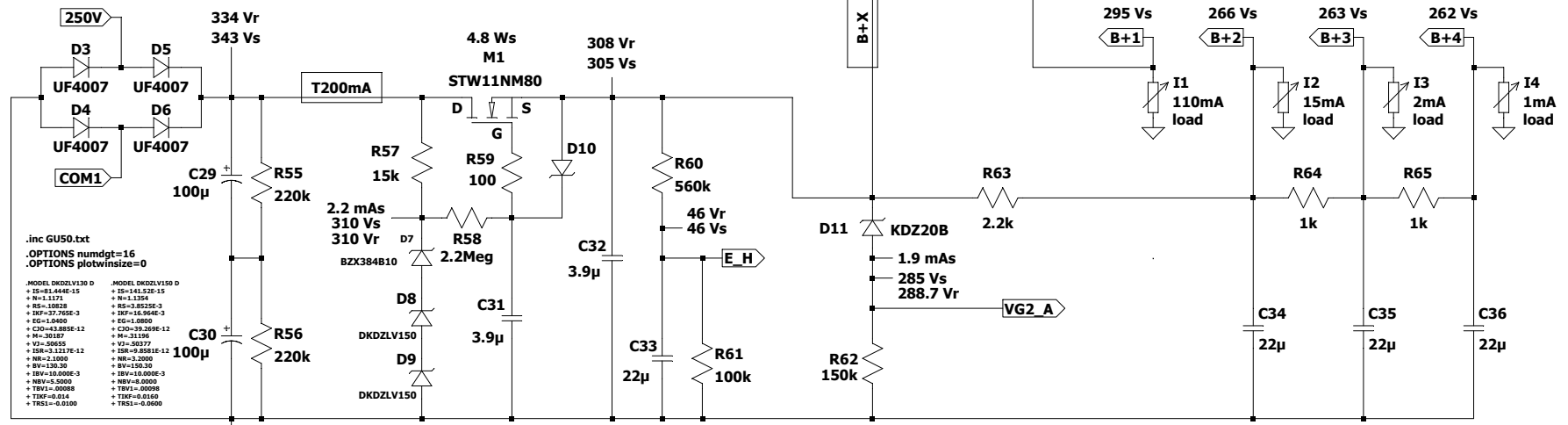
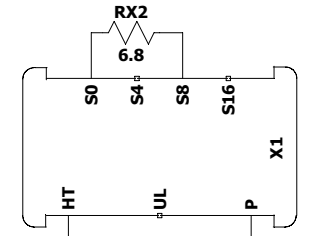
SECONDARIO 0 - 250 V:
 $K = (260V\ RMS = 367.74\ Vp) / (230\ RMS = 325.22\ Vp) = 1.13$
 $LS1 = (1.13 \times 1.13) \times 5 (SE\ IL\ PRIMARIO\ E\ SH) = 6.38H$

SECONDARIO 0 - 12.6 V:
 $K = (12.6V\ RMS = 17.8\ Vp) / (230\ RMS = 325.22\ Vp) = 0.054$
 $LS2 = (0.054 \times 0.054) \times 5 (SE\ IL\ PRIMARIO\ E\ SH) = 14.58\ mH$

SECONDARIO 0 - 6.3 V:
 $K = (6.3\ V\ RMS = 8.9\ Vp) / (230\ RMS = 325.22\ Vp) = 0.027$
 $LS3 = (0.027 \times 0.027) \times 5 (SE\ IL\ PRIMARIO\ E\ SH) = 3.65\ mH$



$Rp=2000\ Lp=50\ UL=29\ Cp=150p\ Cs=300p$



```
.inc GU50.txt
.OPTIONS numdgt=16
.OPTIONS plotwsize=0

.MODEL DKDZLV150 D          .MODEL DKDZLV150 D
+ IS=-81.644E-15          + IS=-141.52E-15
+ NI=1.1171              + NI=1.1354
+ RS=-1.0528             + RS=-3.8525E-3
+ ICF=37.786E-3          + ICF=16.364E-3
+ EG=1.0409              + EG=1.0409
+ CJO=43.885E-12         + CJO=39.269E-12
+ VC=-30187              + VC=-31196
+ VJ=-59625              + VJ=-50377
+ ISB=3.1217E-12         + ISB=3.0565E-12
+ NR=-2.1090             + NR=-3.2000
+ IBSV=10.000E-3        + IBSV=10.000E-3
+ NBV=5.5000            + NBV=8.0000
+ TRIV=-0.0008          + TRIV=-0.0008
+ TRIF=-0.014           + TRIF=0.0160
+ TRSL=-0.0100          + TRSL=-0.0100
```

.tran 0 150s 0
.ac dec 100 1 100k