



```
.define Garma(In,Src) Mag(2*V(In)-V(Src))
.define VSWR(In,Src) (1+Garma(In,Src))/(1-Garma(In,Src))
.define RetLoss(In,Src) - 20*Log(Garma(In,Src))
.define MismatchLoss(In,Src) - 10*Log(1 - Garma(In,Src)**2)
```

Gamma(in1,V1)=1 VSWR(in1,V1)=4.173MEG RetLoss(in1,V1)=4.163u MismatchLoss(in1,V1)=60.183

Gamma(in3,V3)=615.603m VSWR(in3,V3)=4.203 RetLoss(in3,V3)=4.214 MismatchLoss(in3,V3)=2.069

```
.define S11 2*V(in1)-1 .param Rpars 0.7
.define S21 2*V(out1) .param L 68n
.define S12 2*V(in2) .param Rload 50
.define S22 2*V(out2)-1

.define Power_dbm dbm(PG(V1))
Power_dbm=-15.338
PST=-1.334E-023
```

PST is the amount of power stored in the reactive components (in Watts)
PDT is the power dissipated in the circuit (in Watts)

PDT=15.742m

.define Power_dbm_nport dbm(PG(V3))
Power_dbm_nport=7.644





