

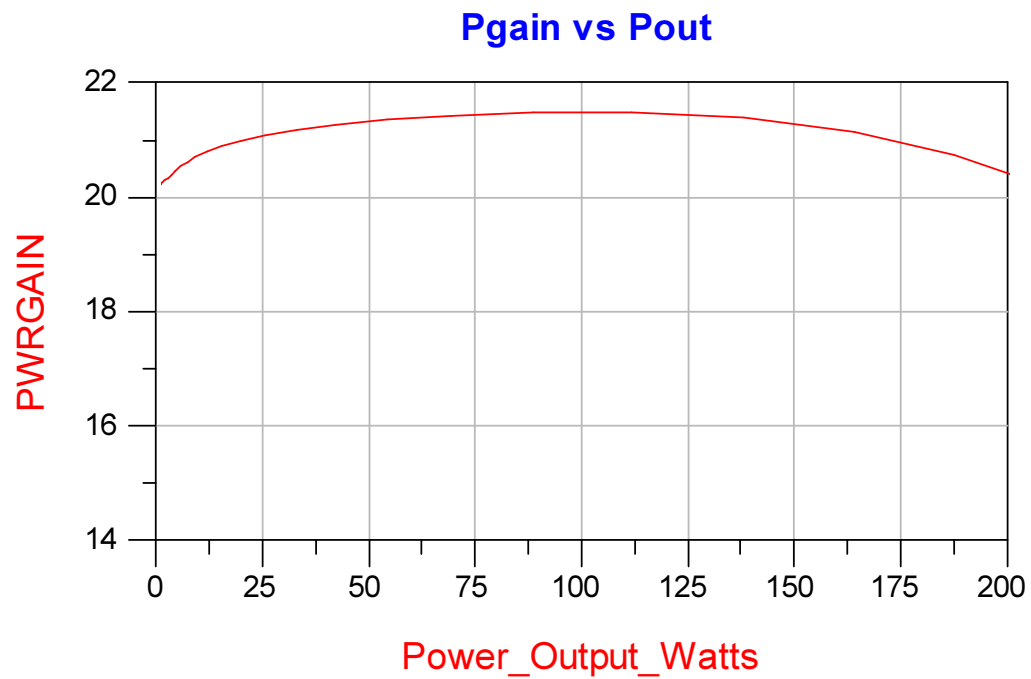


## **SD2941-10**

### **ADS simulations**

Quakertown , PA  
Qtn-jp-106-rev0  
May 4 2006

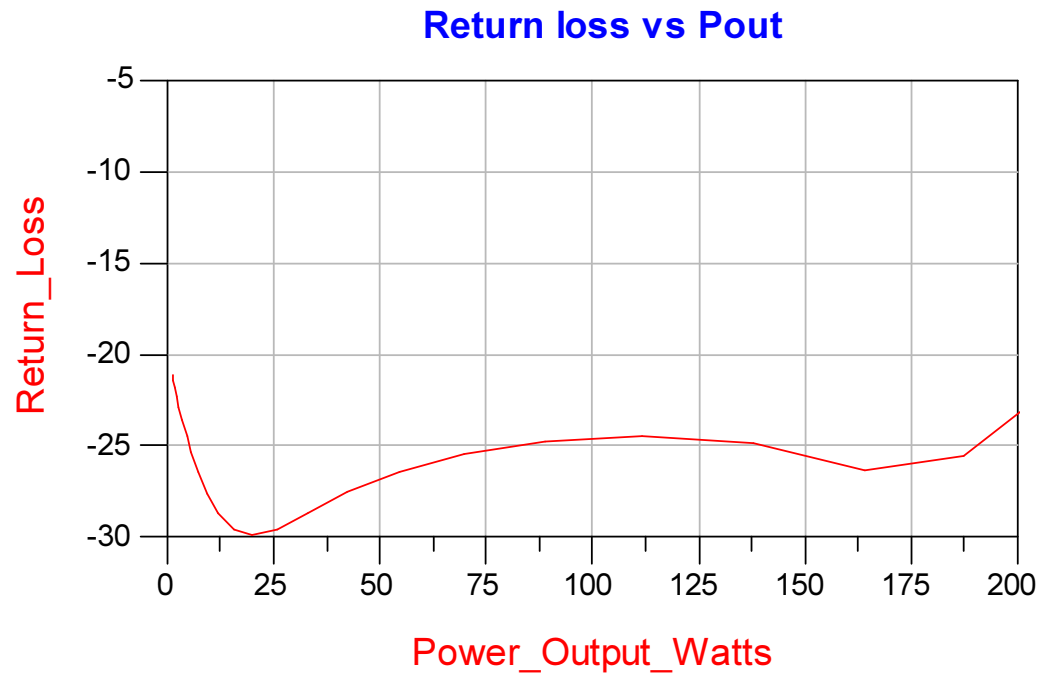
## SD2941-10 , optimized drain load



**4.1 OHMS + j 3.2 OHMS**



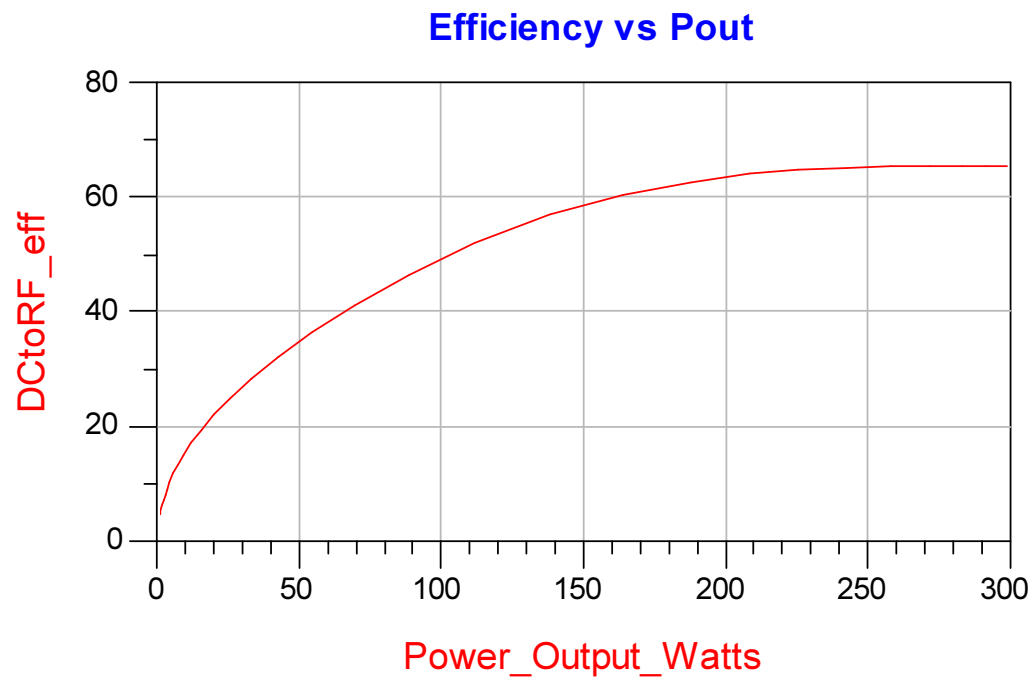
## SD2941-10 , optimized drain load



4.1 OHMS + j 3.2 OHMS



## SD2941-10 , optimized drain load



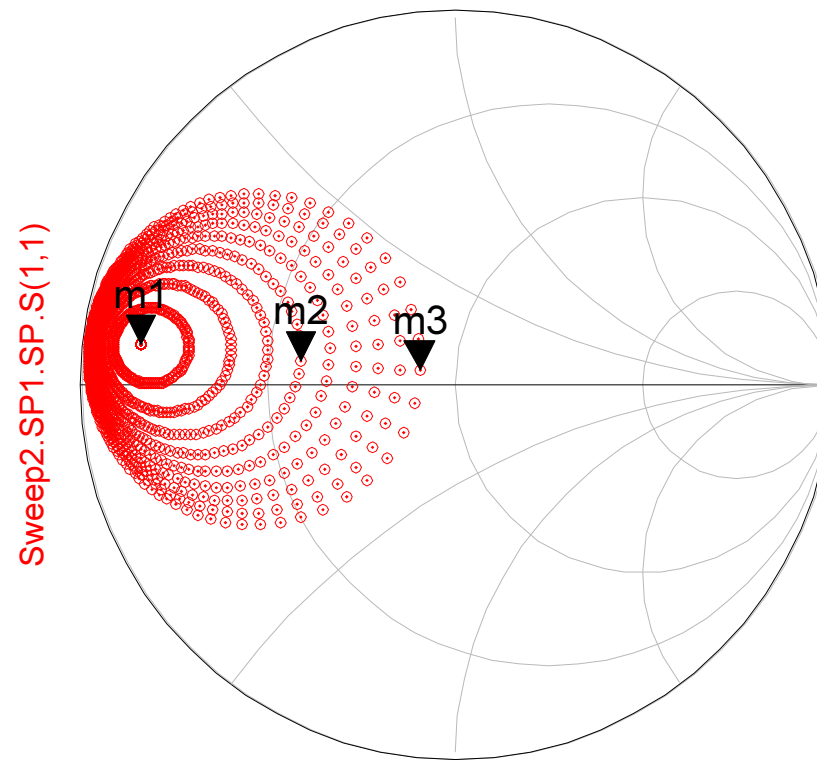
4.1 OHMS + j 3.2 OHMS



m1  
freq=100.0MHz  
Sweep2.SP1.SP.S(1,1)=0.849 / 172.627  
angle=180.000000, VSWR=1.000000  
impedance = 4.100 + j3.200

m2  
freq=100.0MHz  
Sweep2.SP1.SP.S(1,1)=0.420 / 171.210  
angle=90.000000, VSWR=5.000000  
impedance = 20.500 + j3.200

m3  
freq=100.0MHz  
Sweep2.SP1.SP.S(1,1)=0.105 / 158.413  
angle=90.000000, VSWR=10.000000  
impedance = 41.000 + j3.200

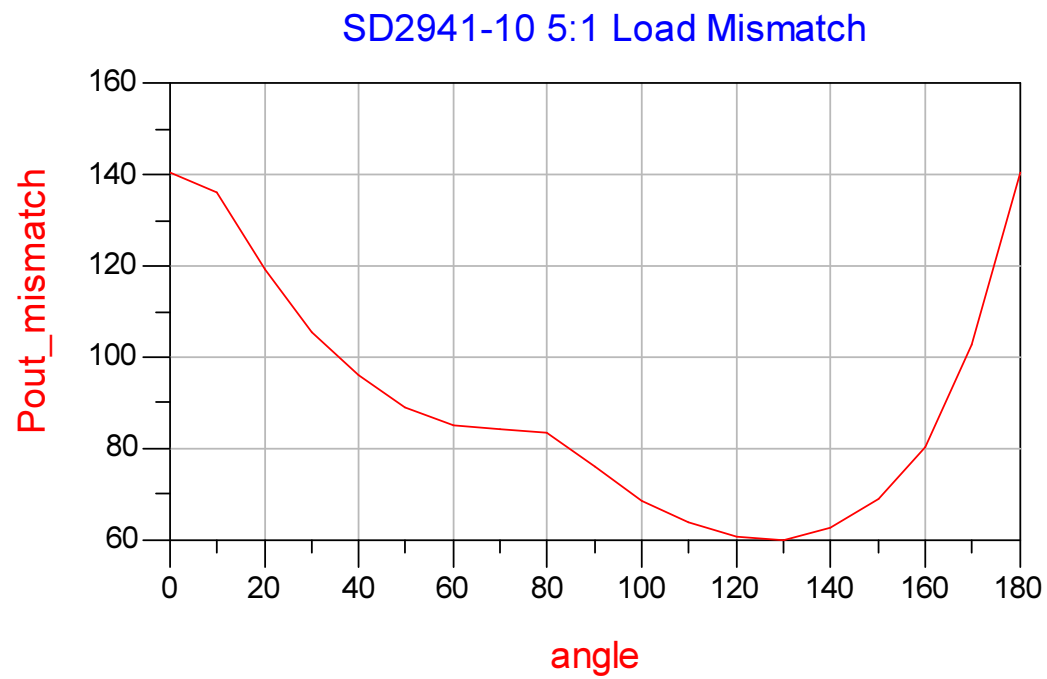


freq (100.0MHz to 100.0MHz)

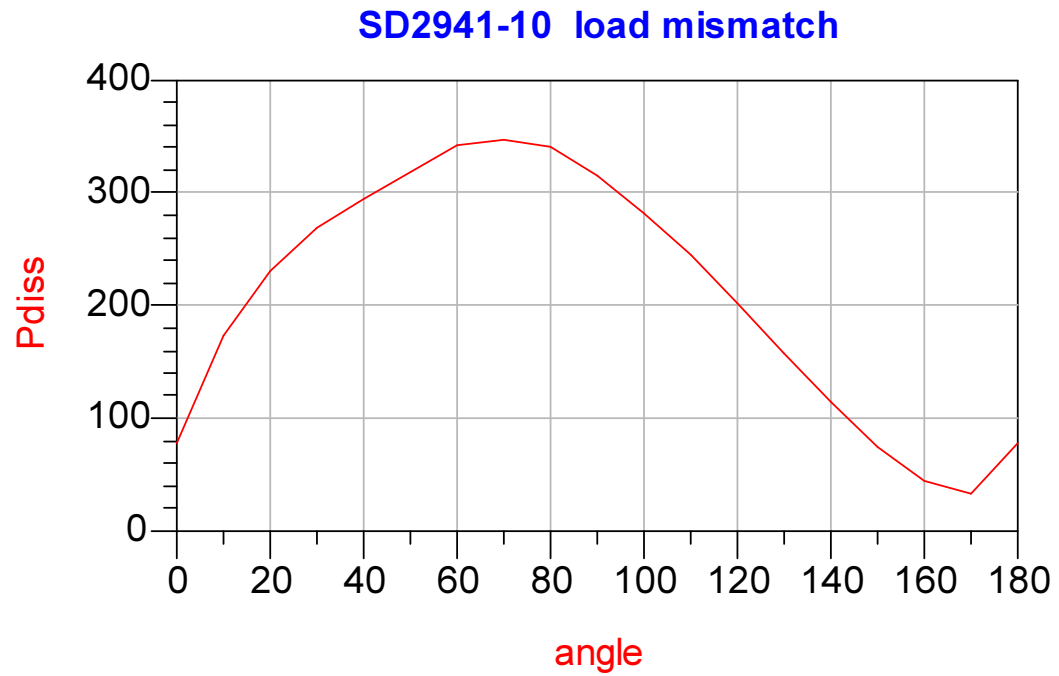
Load mismatch  
sweep



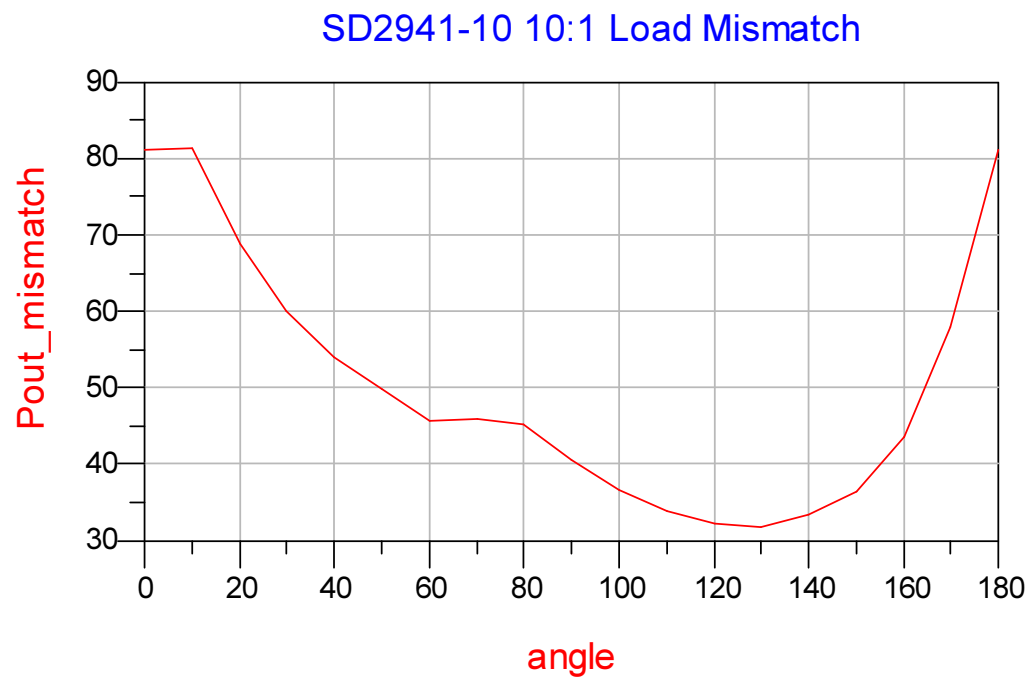
## SD2941-10 , 5:1 load mismatch



## SD2941-10, 5:1 load mismatch



## SD2941-10 , 10:1 load mismatch





## SD2941-10, 10:1 load mismatch

