



dc simulation

DC1

Parameter sweep

SW1
 Sim=SP1
 Type=lin
 Param=Vds
 Start=5
 Stop=20
 Points=6

S parameter simulation

SP1
 Type=log
 Start=1 kHz
 Stop=10 GHz
 Points=351

MESFET1
 LEVEL=5
 Vto=-1.8
 Beta=3e-3
 Alpha=2.25
 Lambda=0.05
 Qp=2.0
 Delta=0.1
 Vmax=0.5
 Vdelta1=0.3
 Vdelta2=0.2
 Gamma=0.015
 Nsc=1
 Cgd=0.2e-12
 Cgs=1e-12
 Cds=1e-12
 Ng=2.65
 Nd=0
 ILEVELS=3
 ILEVELD=3
 QLEVELS=3
 QLEVELD=3
 QLEVELDS=2
 Rg=5.1
 Rd=1.3
 Rs=1.3

