

HARMONIC BALANCE

HarmonicBalance
 HB1
 MaxOrder=4
 Freq[1]=RF
 Freq[2]=LO
 Order[1]=5
 Order[2]=5
 SweepVar="P_RF"
 Start=-20
 Stop=15
 Step=1

Var
Eqn

VAR
 freq_parameters
 RF=9.8 GHz
 P_RF=-30
 IF=1.1 GHz
 LO=RF - IF
 P_LO=0

MSub

MSUB
 MSub1
 H=0.5 mm
 Er=3
 T=17 um



HARMONIC BALANCE

HarmonicBalance
 HB2
 MaxOrder=4
 Freq[1]=RF
 Freq[2]=LO
 Order[1]=5
 Order[2]=5
 SweepVar="RF"
 Step=10 MHz
 Center=9.8 GHz
 Span=300 MHz



PARAMETER SWEEP

ParamSweep
 Sweep1
 SweepVar="P_LO"
 SimInstanceName[1]="HB2"
 SimInstanceName[2]=
 SimInstanceName[3]=
 SimInstanceName[4]=
 SimInstanceName[5]=
 SimInstanceName[6]=
 Start=0
 Stop=14
 Step=1

