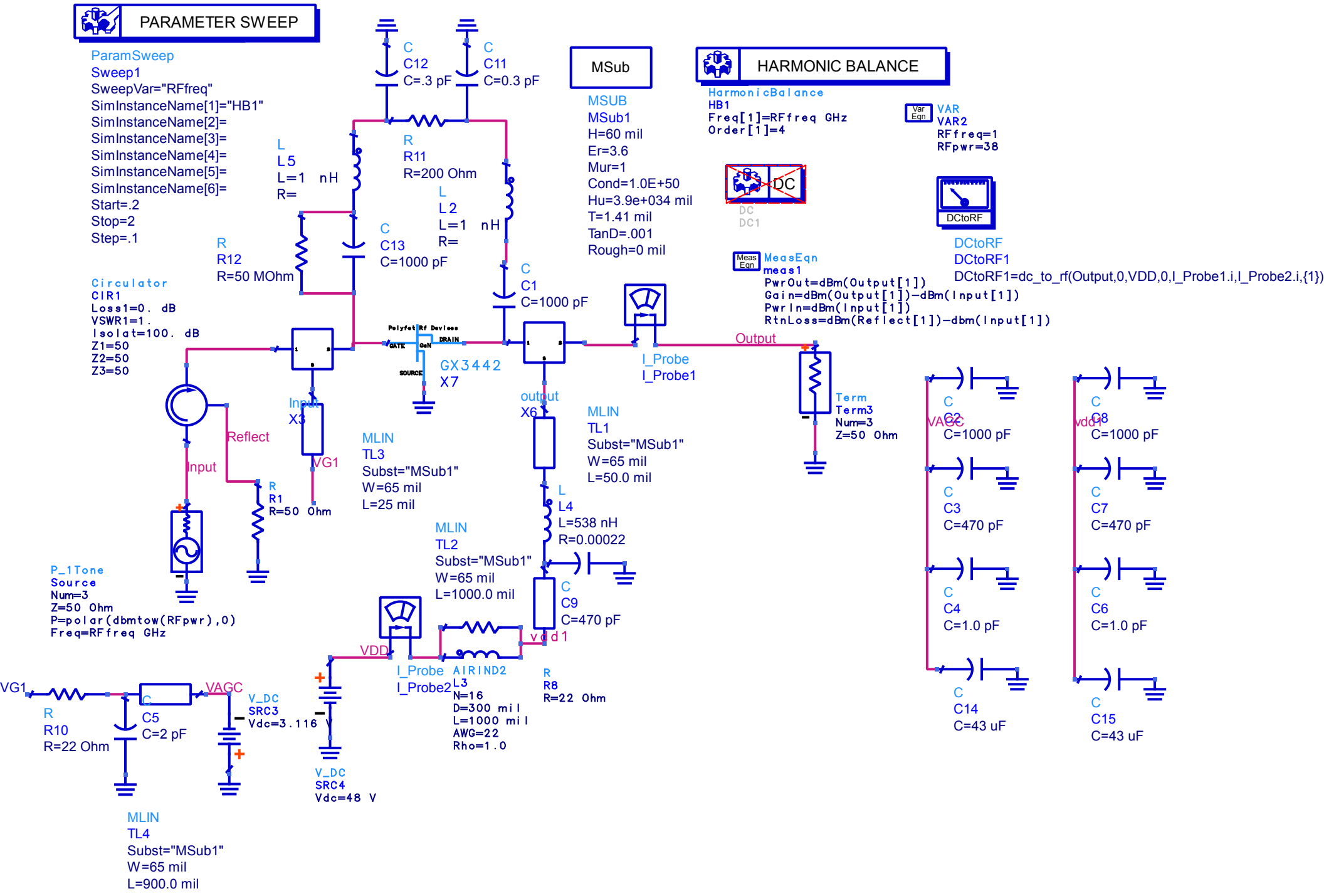
PARAMETER SWEEP
ParamSweep
Sweep1
SweepVar="RFfreq"
SimInstanceName[1]="HB1"
SimInstanceName[2]=
SimInstanceName[3]=
SimInstanceName[4]=
SimInstanceName[5]=
SimInstanceName[6]=
Start=.2
Stop=2
Step=.1
C
C12
C=.3 pF
C
C11
C=0.3 pF
MSub
MSUB
MSub1
H=60 mil
Er=3.6
Mur=1
Cond=1.0E+50
Hu=3.9e+034 mil
T=1.41 mil
TanD=.001
Rough=0 mil
HARMONIC BALANCE
HarmonicBalance
HB1
Freq[1]=RFfreq GHz
Order[1]=4
VAR
VAR2
RFfreq=1
RFpwr=38
DC
DC1
DCtoRF
DCtoRF
DCtoRF1
DCtoRF1=dc_to_rf(Output,0,VDD,0,I_Probe1.i,I_Probe2.i,{1})
MeasEqn
meas1
PwrOut=dBm(Output[1])
Gain=dBm(Output[1])-dBm(Input[1])
PwrIn=dBm(Input[1])
RtnLoss=dBm(Reflect[1])-dbm(Input[1])
L
L5
L=1 nH
R=
R
R11
R=200 Ohm
L
L2
L=1 nH
R=
R
R12
R=50 MOhm
C
C13
C=1000 pF
C
C1
C=1000 pF
Circulator
CIR1
Loss1=0. dB
VSWR1=1.
Isolat=100. dB
Z1=50
Z2=50
Z3=50
Polyfet Rf Devices
GATE
GaN
DRAIN
SOURCE
GX3442
X7
I_Probe
I_Probe1
Output
Term
Term3
Num=3
Z=50 Ohm
Input
X3
output
X6
Reflect
Input
R
R1
R=50 Ohm
VG1
MLIN
TL3
Subst="MSub1"
W=65 mil
L=25 mil
MLIN
TL1
Subst="MSub1"
W=65 mil
L=50.0 mil
L
L4
L=538 nH
R=0.00022
MLIN
TL2
Subst="MSub1"
W=65 mil
L=1000.0 mil
C
C9
C=470 pF
P_1Tone
Source
Num=3
Z=50 Ohm
P=polar(dbmtow(RFpwr),0)
Freq=RFfreq GHz
VDD
I_Probe
I_Probe2
AIRIND2
L3
N=16
D=300 mil
L=1000 mil
AWG=22
Rho=1.0
vdd1
R
R8
R=22 Ohm
VG1
VAGC
C
C5
C=2 pF
R
R10
R=22 Ohm
V_DC
SRC3
Vdc=3.116 V
V_DC
SRC4
Vdc=48 V
MLIN
TL4
Subst="MSub1"
W=65 mil
L=900.0 mil
VAGC
C
C2
C=1000 pF
C
C3
C=470 pF
C
C4
C=1.0 pF
C
C14
C=43 uF
vdd1
C
C8
C=1000 pF
C
C7
C=470 pF
C
C6
C=1.0 pF
C
C15
C=43 uF

TB 222 _ Pin=38dbm