

```

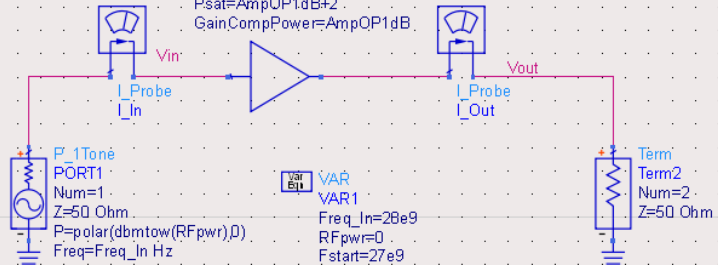
VAR
VAR2
AmpNF=file(DAC1, "NF")
AmpGain=file(DAC1, "Gain")
AmpOP1dB=file(DAC1, "OP1dB")
AmpOIP3=file(DAC1, "OIP3")

```

```

Amplifier2
AMP1
S21=file(DAC2, "S[2,1]");
S11=file(DAC2, "S[1,1]");
S22=file(DAC2, "S[2,2]");
S12=file(DAC2, "S[1,2]");
NF=AmpNF dB
TOI=AmpOIP3;
Psat=AmpOP1dB+2;
GainCompPower=AmpOP1dB;

```



```

VAR
VAR1
Freq_In=28e9
RFpwr=0
Fstart=27e9
Fstop=32e9
Fstep=0.1e9

```



```

DataAccessComponent
DAC1
File="HMC1132PM5E.mdf"
Type=Generalized Multi-dimensional Data
InterpMode=Linear
InterpDom=Rectangular
ExtrapMode=Constant Extrapolation
iVar1="Freq_In"
iVal1="Freq_In"

```

HARMONIC BALANCE

```

HarmonicBalance
HB1
Freq[1]=Freq_In Hz
Order[1]=5
FreqForNoise=Freq_In

```



```

DataAccessComponent
DAC2
File="HMC1132PM5E.s2p"
Type=Touchstone
InterpMode=Linear
InterpDom=Polar
ExtrapMode=Interpolation Mode
iVar1="freq"
iVal1="Freq_In"

```

LSSP

```

LSSP
HB2
Freq[1]=Freq_In Hz
Order[1]=5
LSSP_FreqAtPort[1]=Freq_In
LSSP_FreqAtPort[2]=Freq_In
SweepVar="Freq_In"
Start=Fstart
Stop=Fstop
Step=Fstep

```

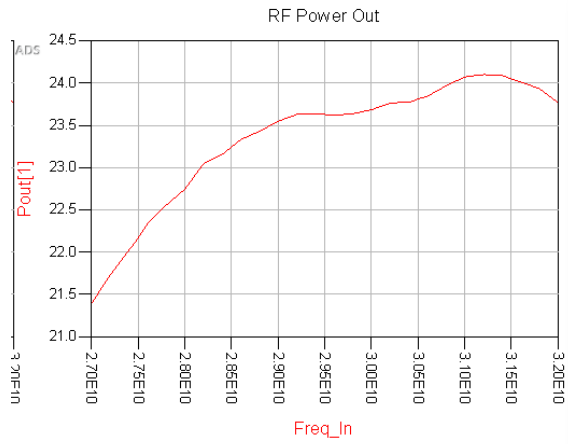
PARAMETER SWEEP

```

ParamSweep
Sweep1
SweepVar="Freq_In"
SimInstanceName[1]="HB1"
SimInstanceName[2]=
SimInstanceName[3]=
SimInstanceName[4]=
SimInstanceName[5]=
SimInstanceName[6]=
Start=Fstart
Stop=Fstop
Step=Fstep

```

Eqn $P_{out} = 10 \cdot \log(0.5 \cdot \text{real}(\text{conj}(V_{out}) \cdot I_{Out.i})) + 30$



Plot Traces & Attributes

Plot Type: [Grid] [3D] [2D] [Table] [1234 5678] [3D]

Datasets and Equations

Equations: Search [] List []

Pout

>> Add >>
>> Add Vs...>>
<< Delete <<
^ v
Variable Info...
Manage...

Traces: Trace Options...
Pout[1]

Enter any Equation [] >> Add >>

OK Cancel Help