

AWR Software

Set the number of harmonics used at the HB (Harmonic Balance) engine.

This measurement is set for each port individually:
Options -> Default Circuit Options -> APLAC Sim

PORT2
P=1
Z=50 Ohm
Fdelt=100 MHz
Pwr1=-50 dBm
Pwr2=-50 dBm

BIAS_{TEE}
ID=X1

SUBCKT
ID=S1
NET="BFP405"

BIAS_{TEE}
ID=X2

DC_I
ID=I1
Sweep=None
I=0.035 mA

DC_V
ID=Vc
Sweep=None
V=3 V

PORT
P=2
Z=50 Ohm

Models	Description
PORT1	Port with 1-Tone HB Source
PORT2	Port with 2-Tone HB Source
PORTF	Port with Defined Frequency/1-Tone HB Source (2n
PORTFN	Port with Defined Frequency at Tone N)
PORTFNS	Port with Defined Frequency (Tone N, Swept Power
PORT_PS1	Port with Power Sweep/1-Tone HB Source
PORT_PS2	Port with Power Sweep/2-Tone HB Source
PORT_SRC	Dynamic source port

IP3 is a non-linear measurement - therefore, a 2 Tones nonlinear port should be used.

You may use PORT2 for 2 tones test.
You may use PORT_PS2 for two tones & power sweep test.