

SpectreRF Simulation Option User Guide

Modeling Transmitters

- For *Sweeptype*, select *Relative* in the cyclic field and type 1 in the *Relative Harmonic* field.
- For *Frequency Sweep Range*, select *Start-Stop* in the cyclic field. Type 100 in the *Start* field and 400M in the *Stop* field.
- For *Sweep Type*, select *Logarithmic* in the cyclic field, highlight *Points Per Decade* and type 20 in the field.

The top of the PAC analysis form looks like this.

The screenshot shows the 'Periodic AC Analysis' configuration window. At the top, 'PSS Beat Frequency (Hz)' is set to 1G. Below this, 'Sweeptype' is set to 'relative' and 'Relative Harmonic' is set to 1. The 'Frequency Sweep Range (Hz)' section shows 'Start-Stop' selected, with 'Start' at 100 and 'Stop' at 400M. Under 'Sweep Type', 'Logarithmic' is selected, and 'Points Per Decade' is chosen with a value of 20. The 'Add Specific Points' checkbox is unchecked.

- For *Sidebands*, select *Maximum sideband* in the cyclic field. Type 3 in the field.
- In the *Specialized Analyses* cyclic field select *Modulated* to open the modulated analysis section of the PAC Choosing Analysis form.
- For *Input Type* choose *SSB/AM/PM* in the cyclic field.