

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' dialog box. 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'. The 'Sweep Type' section shows 'Logarithmic' selected, with 'Points Per Decade' selected and set to '20'. The 'Number of Steps' option is unselected. At the bottom, 'Add Specific Points' is unchecked.

Periodic AC Analysis			
PSS Beat Frequency (Hz) <input type="text" value="1G"/>			
Sweeptype <input type="text" value="relative"/>		Relative Harmonic <input type="text" value="1"/>	
Frequency Sweep Range (Hz)			
<input type="text" value="Start-Stop"/>		Start <input type="text" value="100"/>	Stop <input type="text" value="400M"/>
Sweep Type		<input checked="" type="radio"/> Points Per Decade <input type="text" value="20"/>	
<input type="text" value="Logarithmic"/>		<input type="radio"/> Number of Steps	
Add Specific Points <input type="checkbox"/>			

- 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.