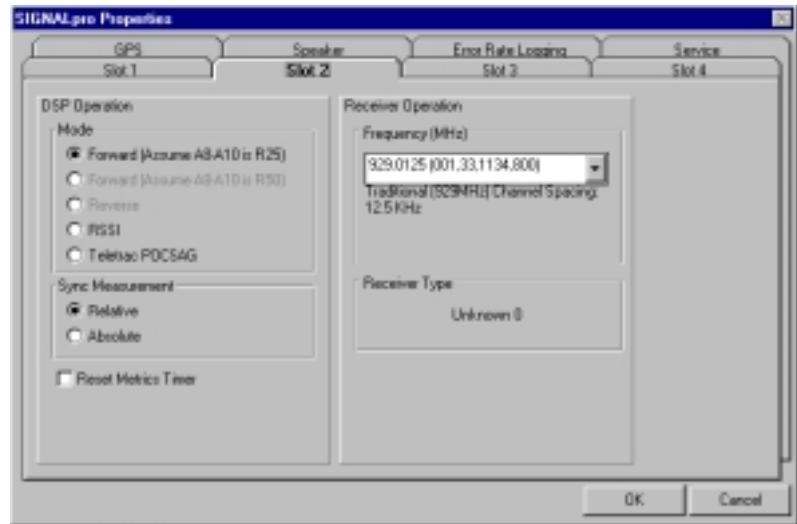


## Slot 1-4

The four Slot folders allow you select several parameter settings for each of the four slots. If your SIGNALpro contains less than four DSP Input Cards there will be certain slot folders that are not accessible.



### DSP Operation

**Mode** - This is used to place the DSP Input Card into different modes of operation. Forward (Assume A8-A10 is R25) is for normal Golay, POCSAG, FLEX, and ReFLEX25 decoding. Forward (Assume A8-A10 is R50) is for ReFLEX50 decoding and may be implemented at a later date. Reverse will be implemented at a later date. RSSI places the DSP Input Card into an RSSI only mode. **WHILE IN THIS MODE THE DSP INPUT CARD WILL NOT DECODE PAGING DATA. THEREFORE THE LEDs WILL NOT OPERATE IN THEIR NORMAL CAPACITY. THE FORMAT AND BER LEDs WILL BE GREEN. WHEN YOU HAVE COMPLETED YOUR RSSI ONLY TASK PLEASE REMEMBER TO CHANGE THE DSP MODE SELECTION TO FORWARD.** Teletrac POCSAG was implemented for Teletrac, Inc.

**Sync Measurement** - This is used to determine how FLEX Sync Receive Time Measurements are calculated. FLEX frames may be launched on a 1.875 second time boundary. If the launch times slip by 2-3 milliseconds (**consult your pager supplier for exact specifications**) the pager can lose sync and become inactive until it receives a valid sync. This is a method to determine that the control system is launching FLEX frames in accordance with the protocol specifications. These measurements will rarely be zero because of many factors including delay through your system.

Set to **Relative** if your encoder is not creating FLEX frames synchronous to a GPS time source, or if you are only interested in knowing that the frame just received is accurate relative to the last frame received. A measurement baseline is established with the first frame received and is updated with a new baseline every eight minutes (two cycles). Set to **Absolute** if your encoder is producing FLEX frames synchronous to a GPS 1PPS reference and is also encoding FLEX frames synchronous to the beginning of a GPS minute. This can be used if you are sharing a channel with another carrier, or if you want to determine if your frames are being received with absolute accuracy. The baseline is established from the GPS 1PPS. FLEX frames must begin exactly at the top of a minute and can be repeated every 1.875 seconds thereafter. The last frame in a minute will be at 58.125 seconds. Absolute Sync measures the error between your FLEX transmission and the fixed 1.875 second time slots. Refer to the Simulcast Delay Spread section, page 6-3.

**Reset the Metrics Timer** - If you select this option all of your metrics will be cleared. This allows you to start collecting new data for each of the static windows (Hourly Usage/Efficiencies, Call Count, Channel Metrics, or Synchronous Receive Times). Depending on channel traffic and on the speed of your PC it may take several minutes for the Windows to clear. Once the new data starts accumulating you will see a new date and time in the Metrics Start Window(s).

**Receiver Operation** - Under Frequency (MHz) you can access the pull down menu to select what frequency you would like the internal receiver programmed to. If you want to program a frequency that is not included on the list please contact Advanced Signal for assistance.