



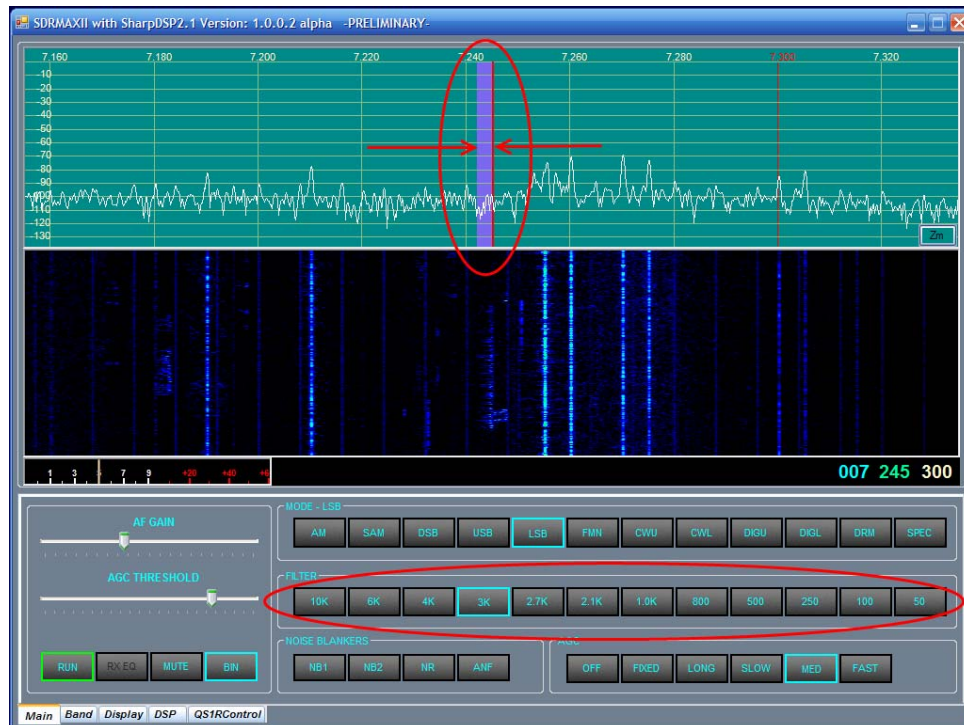
QS1R VERB Application Note: AN080002

February 29, 2008

Filter Drag Modes in SDRMAXII

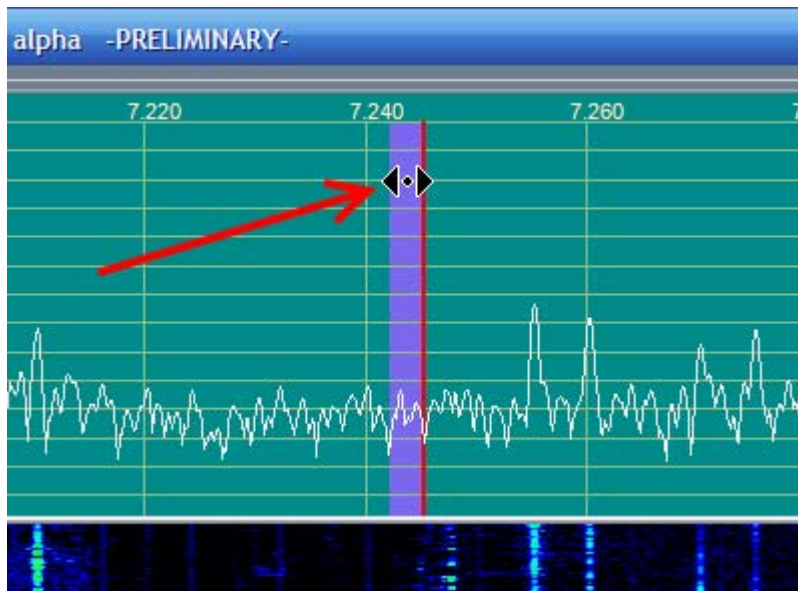
The filter's upper and lower limits as well as position can be changed by various mouse drag operations. This application note discusses the various methods available.

In addition to the fixed filter settings of 10K, 6K, 4K, 3K, 2.7K, 2.1K, 1.0K, 800, 500, 250, 100 and 50 Hz, any filter width can be set between 10 Hz and 20 kHz.

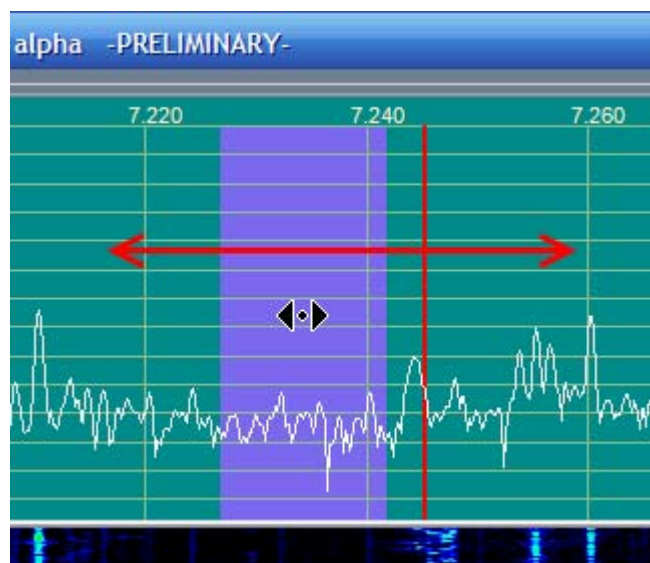


The circled area in the image above with arrows is the displayed current filter bandwidth. You can see that the 3K filter button is selected in the Filter area above. If you move your mouse

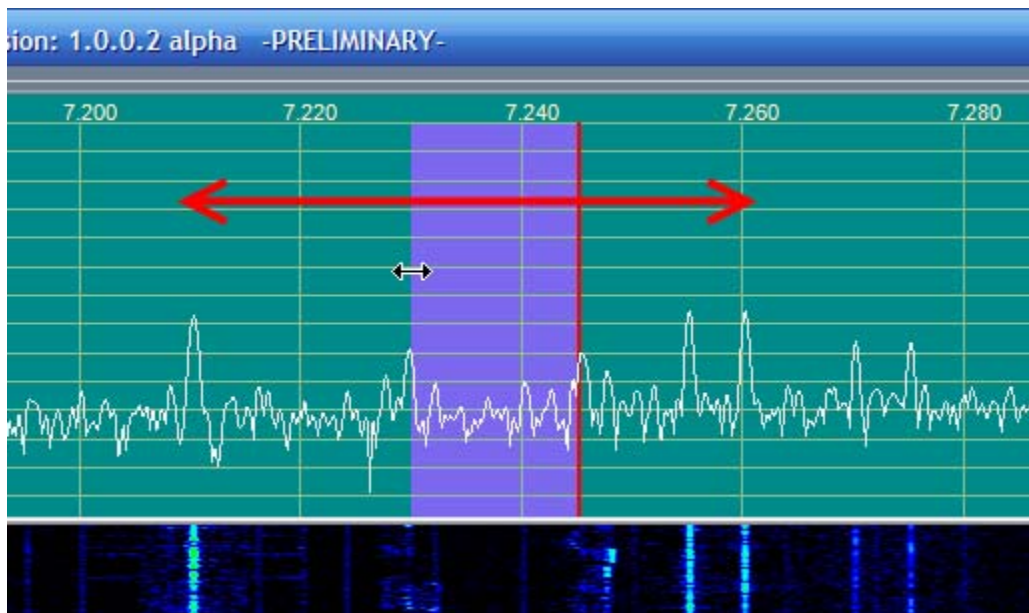
pointer over the shaded filter area of the Panoramic Display, you will see that the mouse pointer changes shape depending on where you point within the shaded area:



In the above image, the displayed mouse pointer is in the drag filter mode. If you hold in the left mouse button while this mouse pointer is displayed and drag with the mouse, the filter will be shifted about in center frequency.

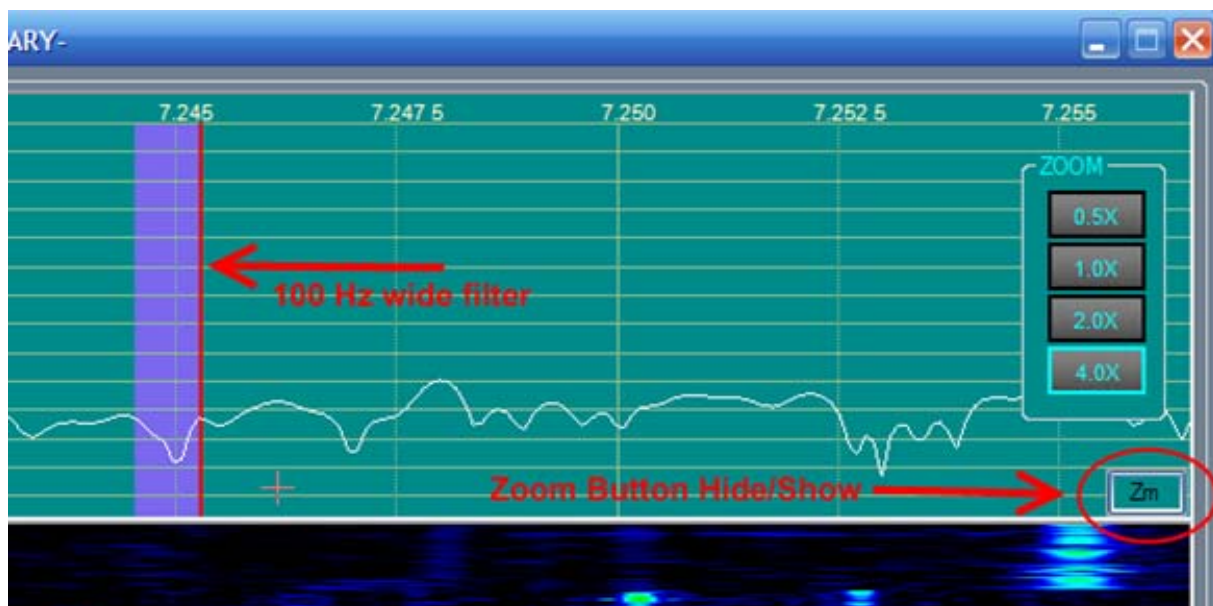


In the image above, you can see that the filter center frequency has been shifted to the left.



In the image above, the displayed mouse pointer is in the edge drag mode. If you hold down the left mouse button while dragging with the mouse pointer, the width of the filter is changed. You can do this on both the right and left sides of the filter.

You can use the Zoom button to assist in setting the filter to the desired width. Zooming in is very helpful for setting very narrow filters:



You can also directly enter the filter's high and low limits in the QS1RServer's command window. The command to set the filter value is as follows:

>w:filterhi[3500] (sets the filter hi limit to 3500 Hz)

>w:filterlo[-3500] (sets the filter low limit to -3500 Hz)

To read the current filter limits type in the following commands:

>r:filterhi[]

>r:filterlo[]