

Spectrum analyser 145MHz IF filter

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Now the module can be tested using the signal generator and the [Logarithmic Amplifier](#) module. Connect the signal generator output to the filter module input. Connect the filter module output to the logarithmic amplifier input. Monitor the logarithmic amplifier output on the oscilloscope or a voltmeter.

The signal generator should be on an appropriate range to cover 145MHz (on my signal generator, the 30-200MHz range). As the signal generator is tuned through 145MHz a sharp increase in the output of the logarithmic amplifier should be noticeable. It is possible to get some idea of the shape of the helical filter response. Now we know just where to set the signal generator for 145MHz, a very valuable piece of information indeed.