Introduction
Spectrum Analyser theory
Construction Techniques
Power Supply
Sweep Generator
Logarithmic Amplifier
145 MHz IF Filter
1st Mixer
2nd Mixer
8 MHz IF Filter
Low-pass Filter
Input Attenuator
10 MHz Crystal Calibrator
Alignment and Operation

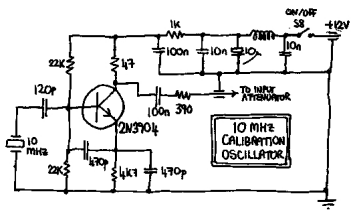
The simple man's Spectrum Analyser
10MHz Crystal Calibrator

{gallery}sacalibrator/1{/gallery}

A crystal calibrator injects a harmonic-rich signal into the analyser signal path, and is very useful for calib

The output of the crystal calibrator output is injected directly into the signal path at the output of the input

{gallery}sacalibrator/2{/gallery}



The calibrator is built into a small box fixed to the back of the input module. One reason for doing this rather than building a separate module was that I was starting to run out of SMA connectors. I wanted to keep a few spare for possible future enhancements.