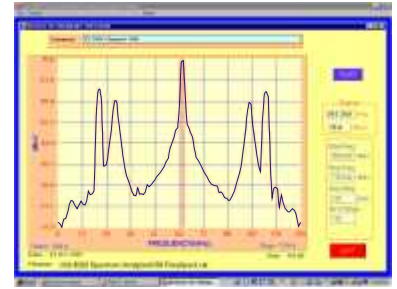


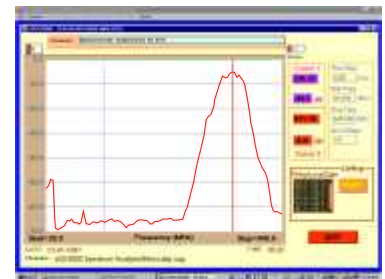
# S-5022 SPECTRUM ANALYZER

## SS-3024 Spectrum/Network (Scalar) Analysis Software



### SPECTRUM Analyzer Mode

User can set the Start/Stop frequency, step size and no. of steps for the Spectrum measurement. Cursor yields measurement of Freq and dBuV. Above shows the Spectrum of TV Signal CH58 showing Carrier with Chroma & Aural Sidebands



### NETWORK (Scalar) Analyzer

This mode is very useful for testing Passive/Active devices for Loss or Gain. The Cursors directly indicate the loss/gain at the selected frequency. This is very cumbersome using a conventional Spectrum Analyzer

**S-5022 Spectrum/Network Analyzer** offers measurement capabilities specially suited for Educational Applications. Swept Synthesized Software measurements offer greater accuracy of frequency as well as amplitude compared to conventional low cost Spectrum Analyzers. Spectrum hardcopy is available via centronics interface and PC connectivity is via RS232 serial port. **SS-3024 Spectrum/Network (Scalar) Analysis Software** greatly enhances the scope of usage and Experimentation in the Lab.

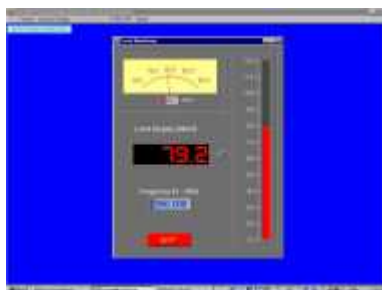
### Key Specifications

- 3 - 850MHz Freq Range
- 50 ohms input typ
- 0.1dB resolution
- 2.5dB accy typ
- 125 KHz resolution
- 300 KHz RBW typ
- 850MHz Noise Generator built-in
- RS232 interface
- Centronics interface



### MICROSTRIP FILTER

Microstrip Filter shown above was tested using the Network Analyzer Mode. The above shows an insertion Loss of 4.9dB at 608MHz.



### METER/DIGITAL/BAR Mode

At User selected Frequency the dBuV is indicated as Digital readout and Analogue Meter/Bar. Amplitude Stability or Fine Adjustments are Monitored with ease using the Meter or Bar as compared to a Digital readout of a parameter



### HARMONIC Mode

In this mode the user can enter the Fundamental freq, select the Harmonic No (max 50th). All measurements are displayed in Bar Graph. Cursor indicates the Harmonic No and Percentage. Above shows the Harmonic content of a 10MHz Square Wave upto the 50th harmonic



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