

## Simply the best, most flexible system for sweeping and analyzing peak RF emanations.

### Sweep peak-RF-emanation profiles to user-defined parameters.

FSetTFlex controls a suite of laboratory RF-collection equipment centered around the Rohde & Schwarz FSET receiver to measure and record the peak RF emanations generated by a piece of equipment. The sweep parameters can be dynamically entered or retrieved from a stored library.

### Interactive window for detailed analysis of profile sweeps.

FSetTFlex allows detailed real-time and interactive review of signals contained in a sweep of peak RF emanations. Signals of interest can be measured by signal substitution from a calibrated signal generator and then tagged back on the original sweep.

Information relating to each measurement is logged with each tagged measurement and stored in a directory specifically for that peak-RF-emanations sweep, including bitmap screen shots from an appropriate oscilloscope or other **SystemWare** analysis tool such as **FrameControl**.

### User-defined equipment and limit-level setup.

The equipment allows set up of user-defined test information such as:

- ☒ antenna factors
- ☒ amplifier data

- ☒ cable loss
- ☒ limit lines

In addition, users can specify individual limit levels and then compare them against tagged measurements.

### Equipment control.

FSetTFlex exerts specialized control over the Rohde & Schwarz FSET, enabling analog outputs without loss of sensitivity. FSetTFlex uses GPIB, Ethernet, or serial interfaces to control and allow input from a suite of laboratory equipment including:

- ☒ antenna switches
- ☒ signal generators
- ☒ oscilloscopes

### Detection system sensitivity plot.

FSetTFlex also provides the option to produce and associate a DSS report for each defined sweep. DSS requires a calibrated signal generator and a true RMS voltmeter with appropriate bandwidth. DSS is truly measured, rather than being derived from stored look-up tables.

### Simply the best.

Only **SystemWare** can deliver the best available control and data acquisition technology with such simple set up and ease-of-use. FSetTFlex is “simply the best” signal analysis and data acquisition solution you will find anywhere.

- ☒ Plot peak-emanations profile using user-defined parameters
- ☒ Interactive window for analysis of profile sweeps
- ☒ Comparison of measured signals to user-defined limit lines
- ☒ All user-defined factors considered
- ☒ Equipment control
- ☒ Detection system sensitivity plot

# SystemWare®

Simply the best.

## Headquarters

325 E. Hillcrest Dr., Suite 100  
 Thousand Oaks, CA 91360  
 805.497.9603 t  
 805.494.9719 f

## East Coast Sales Offices

17001 Science Drive, Suite 100  
 Bowie, MD 20715  
 301.805.9832 t  
 301.805.9765 f

703 Archer Court  
 Herndon, VA 20170-5440

703.318.0350 t  
 703.318.8533 f

## West Coast Sales Office

914 3rd Street  
 Langley, WA 98260  
 360.221.3477 t  
 360.221.8424 f

## SystemWare Europe Ltd.

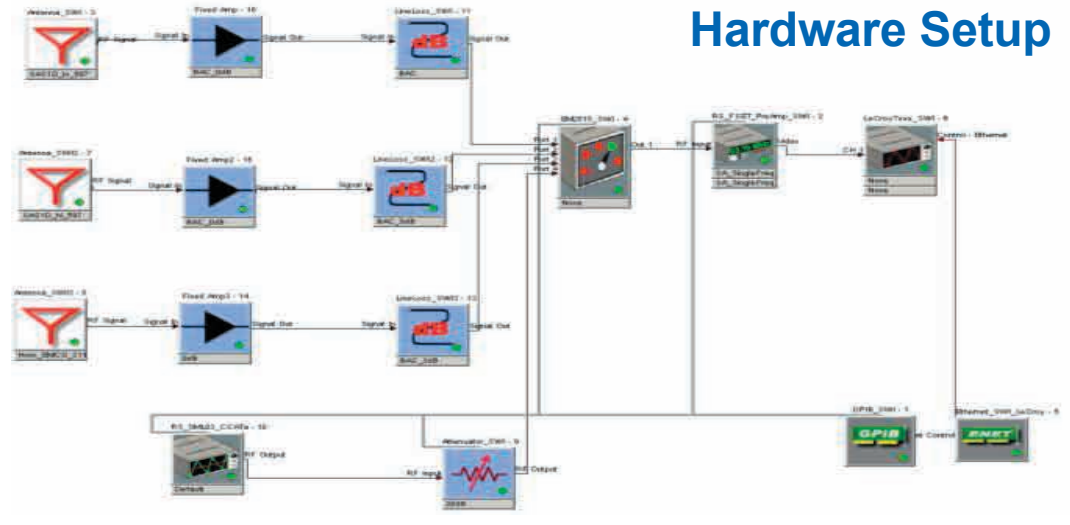
ARC Progress Business Centre  
 Mill Lane  
 Stotfold  
 Bedfordshire SG5 4NY  
 UK

+44 (0) 1462 734777 t  
 +44 (0) 1462 835777 f

[www.sysware.com](http://www.sysware.com)

# FSetTFlex

## Sample Screens

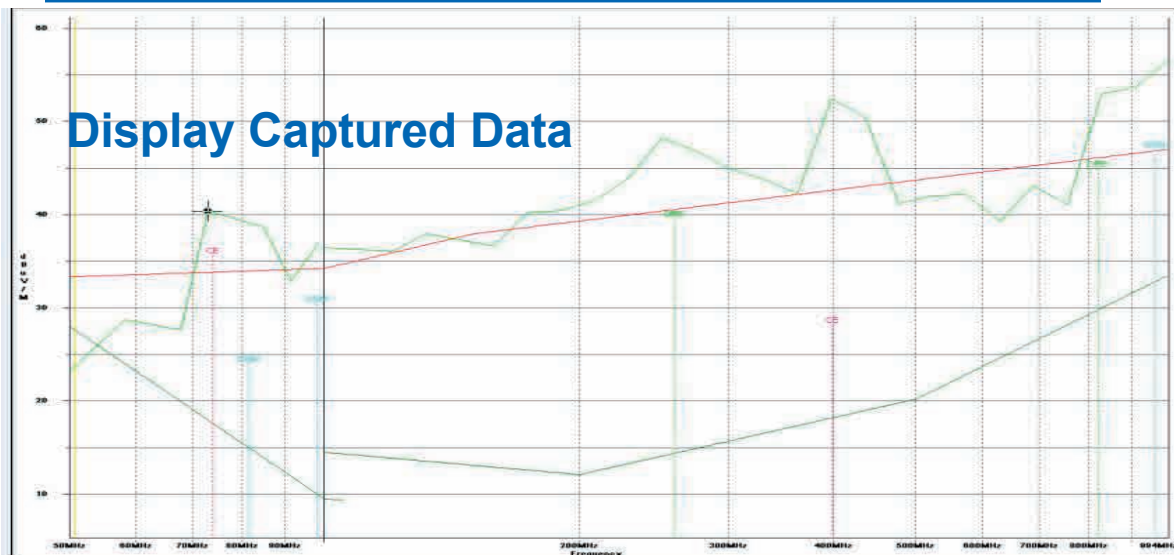


Hardware Setup

The screenshot shows the 'FSET w/PreAmp-Mod SA Sweep Control' panel. It includes several sections:
 

- Frequency Control:** Start Freq (50.000MHz), Stop Freq (114.000MHz), Step Freq % (80.000), Step Freq (18.000MHz), Ref Level (-35.0 dBm), Attn 0 dB Protection (Off), Attenuation (0 dB), # Low Lvl Samples (10).
- PreAmp and Video:** PreAmp (20 dB), Vid BW Auto (On), Sample Time Auto (Off), Det Mode (Max Peak), Meas Impulse (No), Apply Lowlvl (No), # Meas Samples (5), Single Freq Sweep (Yes).
- Resolution and Bandwidth:** Res BW (20MHz), Video BW (20MHz), Sample Time (50ms), Full Scale (100 dB), Freq Span (0 Hz).
- Antenna and Limit Selection:** Antenna Selection (Antenna\_SWI\_SAS1D\_hi\_597.set), Limit Line Selection (LineTable\_XXX\_X.In).
- Background File Selection:** Background Offset (0.0 dB).
- Buttons:** Quick Start, Config Mouse, Analyzer.

Sweep Setup Panel



Display Captured Data

© 2004 SystemWare, Inc. All rights reserved. SystemWare, SWI Development Base and all product names and icons are trademarks of SystemWare in the United States and other countries. Intel, Intel Inside, the Intel Inside logo and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Microsoft, Windows, and the Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.