

EXPLORER

CS1247 BROADBAND SIGNAL ANALYZER

AEROFLEX

Other analyzers tell you what happened.
The Aeroflex BSA shows you **why.**

10-6000 MHz RF coverage

Operator selectable 70 MHz (narrow) or 400 MHz (wide) instantaneous bandwidth

Digital tuner (70 MHz-41 kHz selectable bandwidths)

+15 to -10 dBm max input power

32 GB signal capture RAM

8 TB removable data storage RAID

Advanced capture and analysis software

24" monitor, keyboard, and mouse

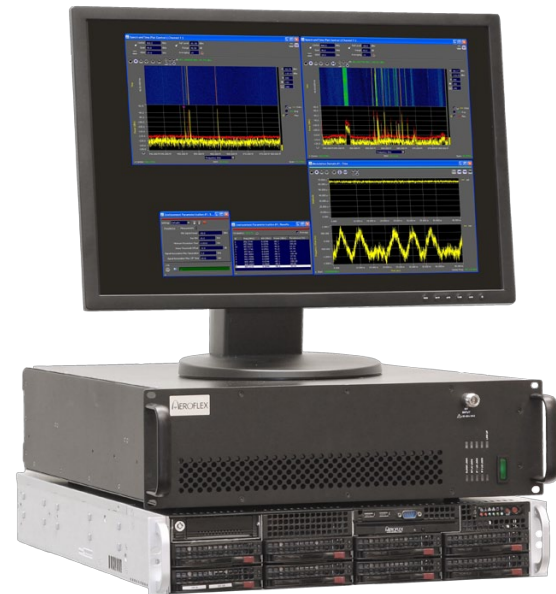
5U rack mount

Available Hardware Options

GPS (location, time)

Generator channel

Second input channel



Search. Collect. Analyze. Decide.

The combined narrowband and wideband recording capability of this Aeroflex low-cost BSA makes it simple to find, record, and analyze signals.

This system is the latest in the Aeroflex BSA family that customers have relied on for years. Aeroflex BSAs have been used to analyze signals from a wide range of applications, including:

- » Radar
- » Communications
- » EW/ECM
- » Spectrum monitoring
- » Propagation measurement
- » Statistical and specific electromagnetic environments (EME) analysis

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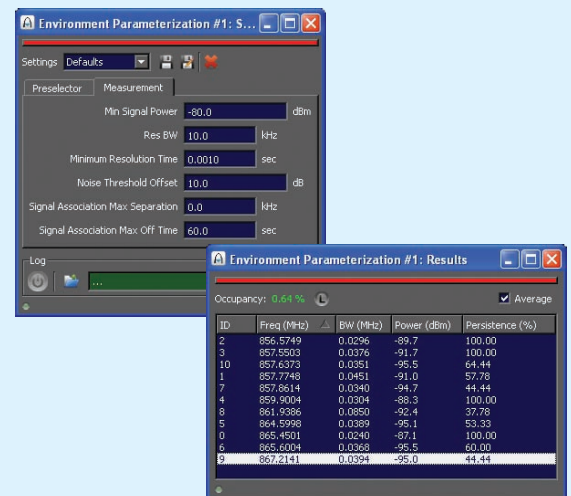
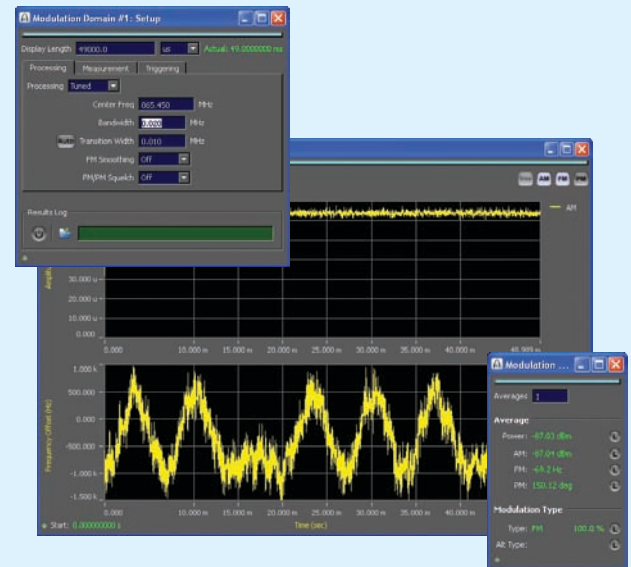
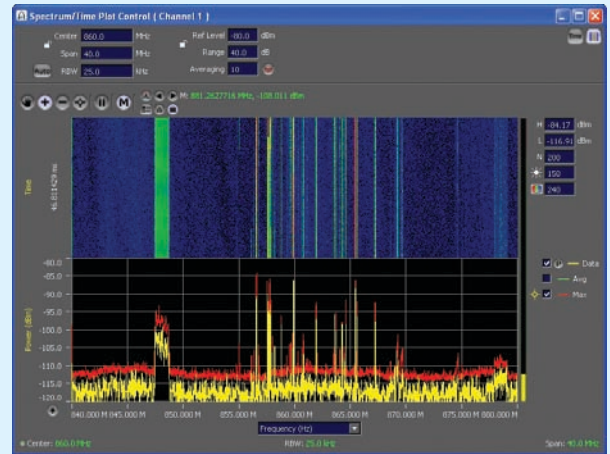


Standard Software Features

- » Interactive spectrum and spectrogram waterfall plots for analysis.
- » Modulation Domain analysis displays time, AM, FM, and PM waveforms. Calculates modulation parameters (current/average) and estimates modulation type (CW, AM, FM, pulse, other).
- » Channel Power measurement uses operator-defined band pass filters feeding virtual power meters.
- » Fixed band or scanning spectrum analysis.
- » Strip charts any measured parameter and records to disk.
- » Measurement markers and Signal Notepad ease interactive measurements and analysis.

Optional Software

- » Recording sequencer performs multiple recordings directed by operator-specified script.
- » Pulse analysis for CW, chirp, and PSK signals.
- » Analysis of continuous and hopped AM, FM, PM, FSK, ASK, PSK, and QAM communications signals.
- » Environmental Signal Parameter (ESP) software performs automatic signal detection and measurement of frequency, power, bandwidth, and on-time statistics.
- » Standalone Mission Analysis software supports easy navigation of multiple mission collections while interfacing with the full BSA signal analysis suite. Mission Analysis also supports batch collection processing. Mission Analysis is an ideal tool for EME analysis.



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http://www.aeroflex.com/ats/products/category/Broadband_Systems.html