

# 8310 RSA

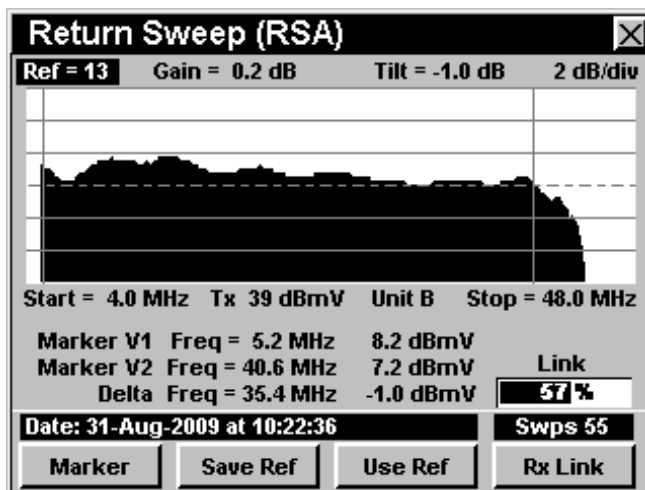
## Return Sweep Analyzer

- Speeds Troubleshooting and Maintenance with Fast, High Resolution Return Sweep Analysis
- Find Micro-Reflections, and Narrow Suck-Outs
- Part of a Comprehensive Maintenance System, Works with Popular 860 DSPi Field Analyzer



The 8310 RSA Return Sweep Analyzer receives a sweep initiated from a field test point by an 860 DSPi field analyzer and transmits the received sweep level information back to the 860 on a downstream telemetry signal.

The 860 DSPi with the SR-1 option injects an agile sweep signal configured to “step around” active channels, sweeping in unoccupied spectrum areas to a frequency resolution of 100 kHz. The reverse sweep is received by the 8310 RSA and the response information is relayed back to the 860 DSPi on via user configurable frequency agile forward telemetry signal.



Screen view of return sweep from an 860 DSPi

### SPECIFICATIONS

#### Frequency

Range	5.0625 to 65.25 MHz – user configurable
Resolution	93.75 kHz

#### Level

Input Range	25 dBmV maximum
Accuracy *	±1.0 dBmV

#### Telemetry (downstream only)

Frequency	50 to 1,000 MHz – user configurable
Occupied Bandwidth	≤ 500 kHz @ -60 dBc
Output Level	≥ 50 dBmV with ≤ 31.5 dB attenuation – user configurable in 0.5 dB steps
Spurious Carrier Suppression	-60 dB

#### Mechanical

Rack Height	2 RU
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\*system accuracy, assuming stable plant

#### Ordering Information

8310 RSA Return SpeedSweep™ Analyzer  
P/N 2011375000

#### INCLUDES THE FOLLOWING:

Rack-mounted Return SpeedSweep™ Analyzer  
P/N 2011375000

90 to 240 VAC US power cable with internal power supply

User's manual