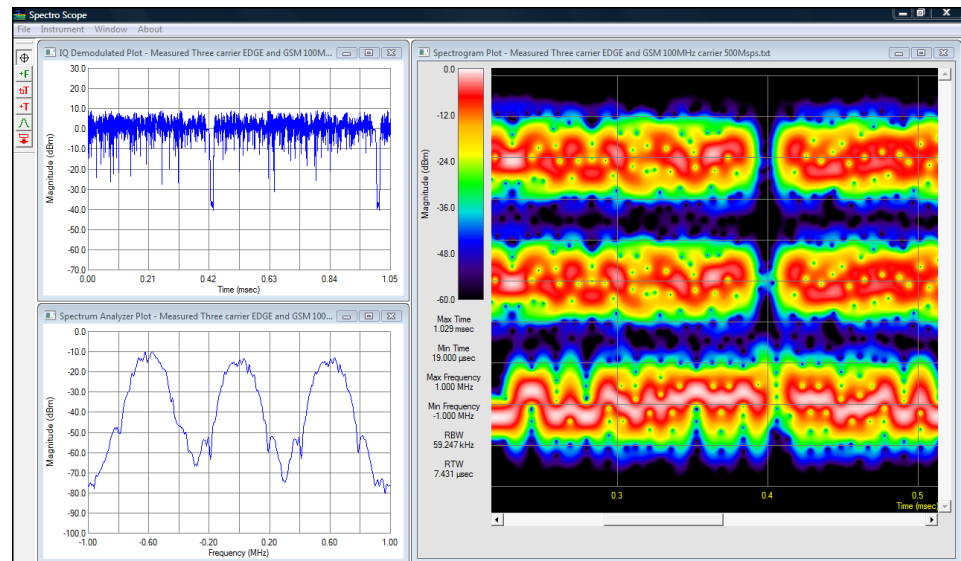


As a premier provider of measurement analysis software, Constant Wave products allow engineers to accurately characterize the performance of a range of RF and microwave components, systems, linear and non-linear devices. See measured data in a new way, where time to insight is shortened dramatically.

Spectro Scope is powerful PC-based measurement analysis software that brings the power of high-definition spectrographic analysis to Oscilloscopes.

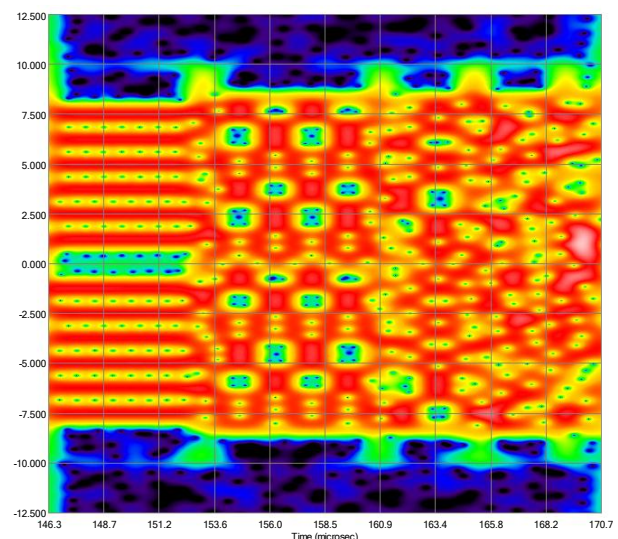
The unique capabilities of Spectro Scope give an engineer new and powerful tools for visualizing and identifying signal behavior.



Joint Time-Frequency Processing

Spectro Scope analyzes data captured by an Oscilloscope enabling engineers to easily characterize and display measured signals in joint time-frequency.

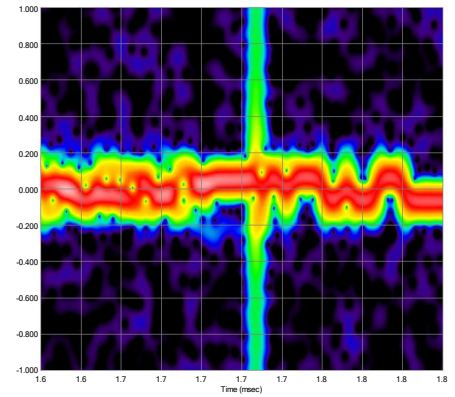
- Produce high-quality spectrogram images generated with “High Definition” signal processing.
- Visualize signal characteristics in three dimensions – time, frequency and magnitude.
- Drill down into trouble spots, extracting IQ signals from any fragment of time-frequency space.
- Save time and money by identifying signal problems quickly.



Spectrogram displaying 802.11g in the joint time-frequency domain. The color indicates the magnitude of the waveform, with warmer colors indicating higher magnitude (red and orange) and cooler colors indicating lower magnitude (blue, purple, and black).

Investigate Spectral Events

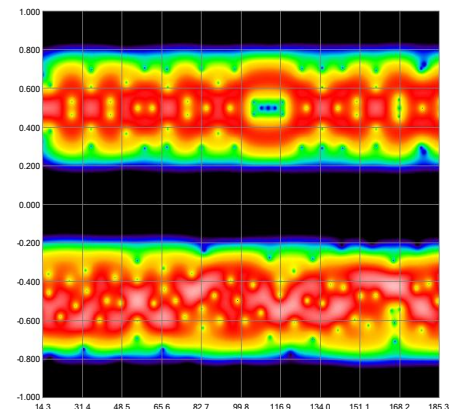
- See unusual signal characteristics which show the time signal when discontinuities are occurring.
- Save debugging time by viewing signals in the joint-time frequency domain.
- Accelerate troubleshooting by determining the root cause of problems with multi-domain analysis
- Remove the spectral event from the waveform using powerful post-processing tools.



Spectrogram displaying GSM with interference in the joint time-frequency domain.

Using the Spectrogram as a Workspace

- Treat the time-frequency spectrogram as a workspace. Any data fragment is selectable and viewable.
- Utilize point, line and region tools to select the data for in-depth analysis.
- Select any section of the time-frequency space and see its IQ characteristics, without distortion or ringing from the selection process.
- Apply powerful post-processing tools to the spectrogram, including Trace vs. Time, Trace vs. Frequency, Average Spectrum, and Offset Carrier.



Spectrogram displaying BPSK and QPSK in the joint time-frequency domain.

Specifications

Oscilloscope Instrument Interfaces Supported

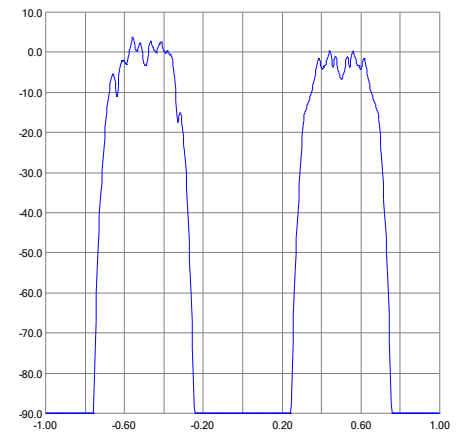
- Agilent Infiniium

System Requirements

- Microsoft Windows PC (XP, Vista, or 7)
- Communications Interfaces: LAN, VISA

Data File Compatibility

- Txt data files



BPSK and QPSK displayed in the frequency domain.

Find out if Spectro VNA Scope is right for you. Contact us to request a free evaluation copy at sales@constantwave.com or at (719) 331-2442. You'll get access to all of the features and analysis tools for 30 days following installation, with full on-line support.