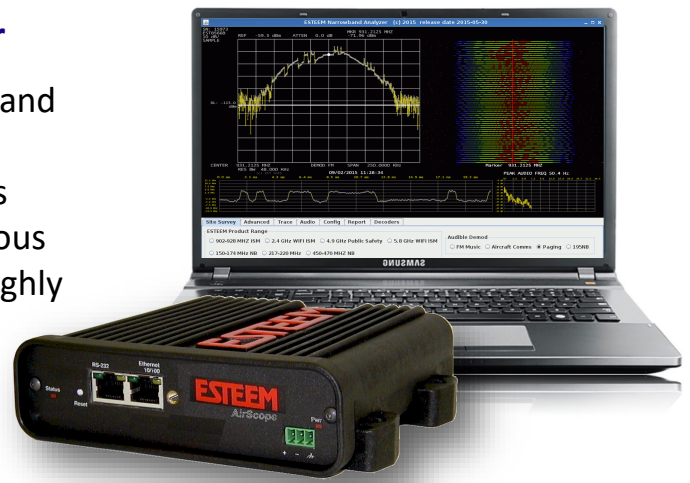


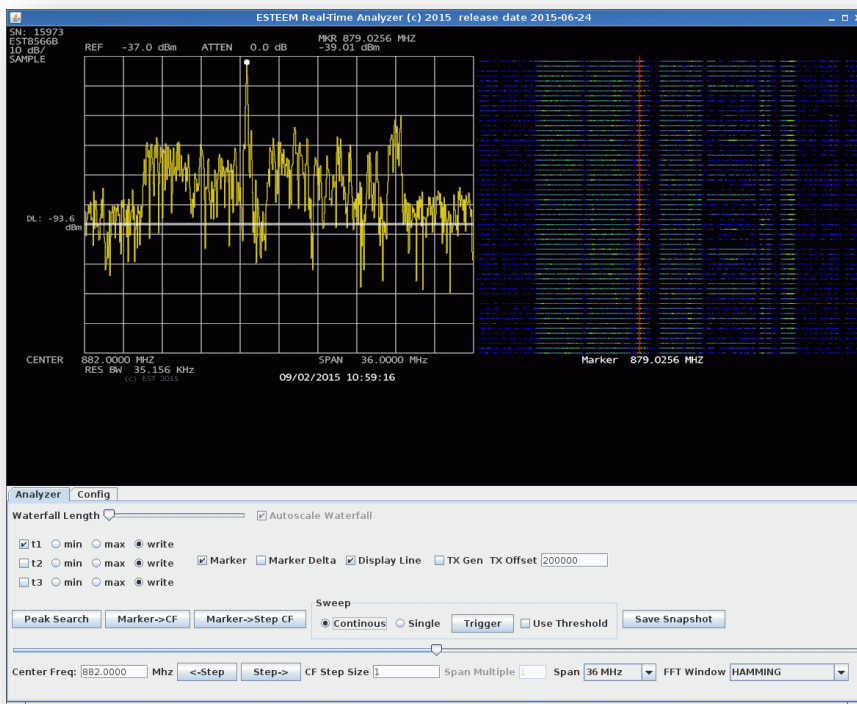
### Full Featured Real-Time Spectrum Analyzer

The ESTeem AirScope Field Analyzer uses your PC and AirScope Analysis software to provide real time spectrum analysis, streaming capture and wireless network analysis from a 70 MHz to 6 GHz contiguous frequency range. The Spectrum Analyzer is in a highly portable package that is ideal for field testing or troubleshooting.



### Key Features

- Full-featured spectrum analysis capability with included AirScope Analysis software.
- Real time Spectrum/Spectrogram display to minimize time spend on interference hunting
- Java based software for any computer operating system (Windows, Linux, Mac)
- Simplified mode of operation for “one-button” site survey testing
- Auto reference and scaling for simplified operation

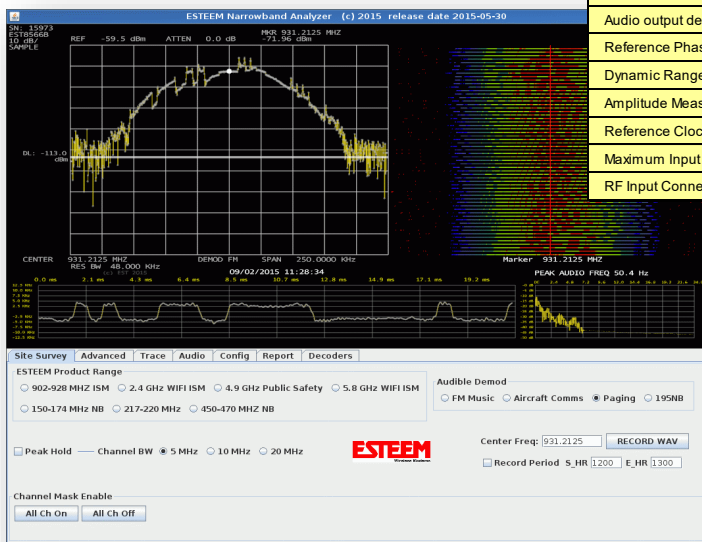
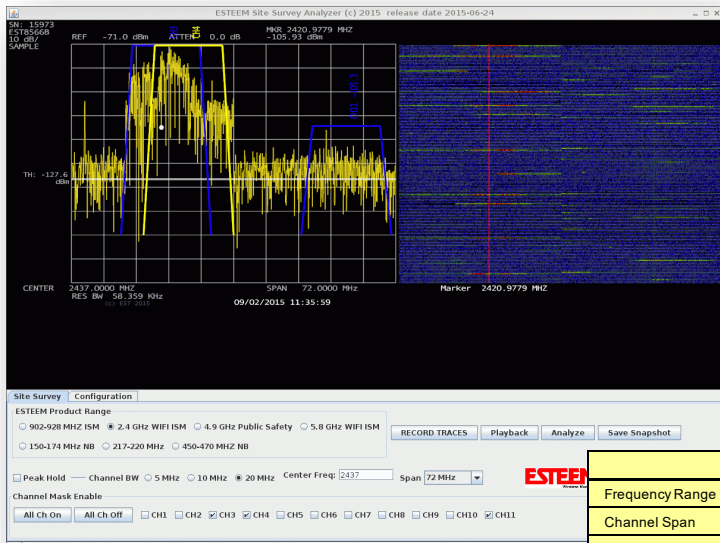


### Applications

- Radio Site Surveys
- Selecting best frequency band for wireless network
- Interference analysis
- Installation and maintenance in the factory or field
- Mobile wireless network analysis
- Real time frequency monitoring

# Specifications

# AirScope Analyzer



Real Time Spectrum Analyzer Mode Specifications	
Frequency Range	70MHz - 6GHz contiguous
Channel Span	250KHz, 2MHz, 4MHz
Resolution Band Width	Fixed 48 KHz, 192 KHz, 784 KHz
DANL	-162 dBm normalized to 1Hz RBW. Measurement @ 1GHz, 25C, 250 KHz span, RBW 48 KHz
FM Demodulation Measurement	30 Hz - 100 KHz
FM Modulation frequency measurement	30 Hz - 24 KHz
Audio output device	PC speaker via software application
Reference Phase Noise	-140dB/Hz @ 10 KHz offset from center
Dynamic Range	>50dB. Auto-reference level from 0dBm to -70dBm
Amplitude Measurement Accuracy @ 1 GH	With automatic Reference Level: $\pm 3$ dBm. $\pm 2$ dBm typical
Reference Clock Accuracy	Tolerance $\pm 2.0$ ppm, Aging first year $\pm 1$ ppm @ 25C
Maximum Input Level	0 dBm
RF Input Connector	TNC

Single Button Site Survey Mode Specifications	
Frequency Range	70MHz - 6GHz contiguous
FFT Length	1024
FFT Windows	Flattop, Blackman, Kaiser (beta 18), Rectangular, Hamming, Blackman-Nuttall, Gaussian, Chebchev144, Hann
Real-time Channel Bandwidth	1.125 MHz, 2.25 MHz, 4.5 MHz, 9 MHz, 18 MHz, 36 MHz
Resolution Band Width	Automatic, 1.099 KHz To 35.156 KHz (Channel BW / 1024)
DANL	-160 dBm normalized to 1Hz RBW. Measurement @ 1GHz, 25C, real-time mode, rectangular FFT window, Span 1.125MHz, RBW 1.099 KHz
Reference Phase Noise	-140dB/Hz @ 10 KHz offset from center
Dynamic Range	>50dB. Auto-reference level from 0dBm to -70dBm
Amplitude Measurement Accuracy @ 1 GH	Automatic Reference Level: $\pm 3$ dBm. $\pm 2$ dBm typical with Flattop window
Reference Clock Accuracy	Tolerance $\pm 2.0$ ppm, Aging first year $\pm 1$ ppm @ 25C
Maximum Input Level	0 dBm
RF Input Connector	TNC

