

# AirScope Real-Time Wireless Spectrum Intelligence

Detect interference, validate deployments, and optimize industrial wireless networks from 70 MHz to 6 GHz.

## About the AirScope

AirScope gives engineers and technicians the visibility needed to troubleshoot wireless issues faster, validate network performance, and confidently deploy reliable industrial wireless communications.



### Real-Time Analysis

Live spectrum and spectrogram visibility

- Detect hidden interference sources before network failures occur



### One-Button Site Surveys

Fast deployment validation and troubleshooting

- Reduce installation time and simplify field testing



### Portable Field Tool

Designed for industrial wireless environments

- Ideal for on-site diagnostics, maintenance, and network optimization



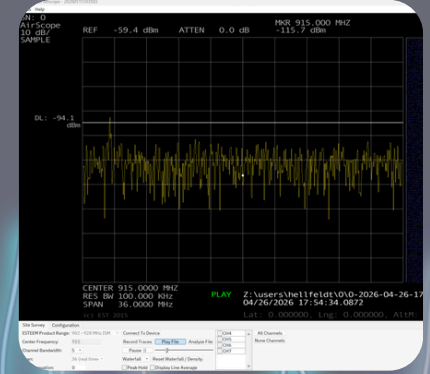
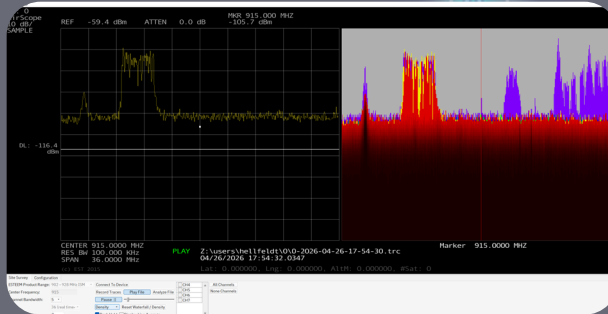
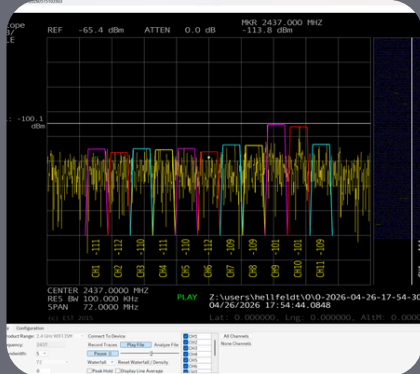
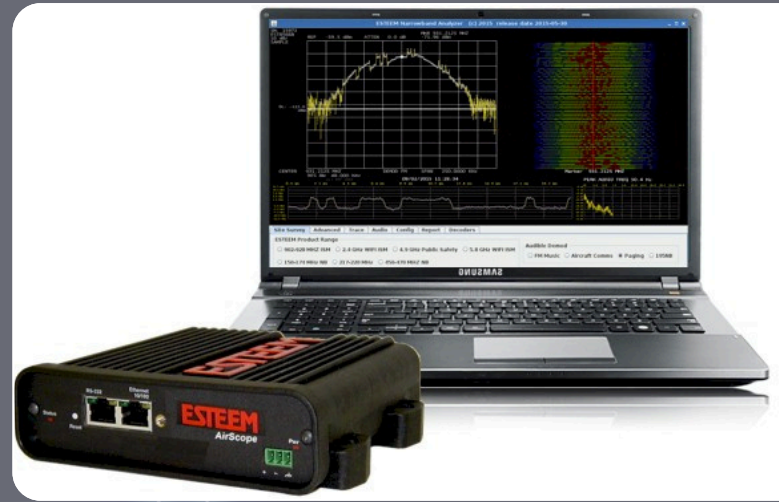
### Industrial Network Visibility

Monitor wireless activity across critical infrastructure networks

- Gain confidence in network reliability before issues impact operations

# AirScope

Engineered to simplify wireless analysis and network optimization.



## 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	-170 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

## 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