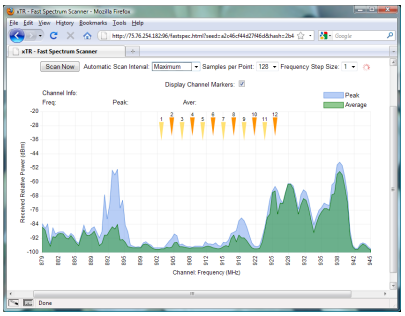
AW900-SPEC **Product Brief**

900 MHz Spectrum Analyzer

Now you can take the mystery out of wireless technology through the use of a network addressable spectrum analyzer offered by AvaLAN Wireless. Different from other spectrum analyzers, this new product offers a simple visual picture of what is in the RF environment.

Network addressability means that the spectrum analyzer can be installed at the customer's site and logged into from your office. Having this product at the customer's site can help to limit or minimize customer support and service calls, saving time and money.

What was previously a "mystery" is now solved with a quick glance to see if a particular frequency is being used or is polluted with other wireless traffic. The AW900-SPEC gives you spectrum analysis functionality and provides a sensitive site survey tool in a rugged, weatherproof enclosure. Fully web browser interfaced, this tool is a quick way to improve your installations and provide better service to your customers.



AW900-SPEC 900 MHz Site Survey Spectrum Analyzer

AvaLAN 900 MHz radio receiver and spectrum analysis functionality provides a sensitive site survey tool in a rugged weatherproof enclosure

- IP Addressable for easy connection to TCP/IP networks
- Built-in browser interface
- Tunes from 879 to 945 MHz in 500 KHz steps
- -97 dBm sensitivity (0.2 nanoWatts)
- Can average up to 256 samples per point
- Logarithmic graph of peak and average power vs. frequency
- Mount outdoors with any of AvaLAN's directional antennas (2.5 dBi omnidirectional flexible antenna included)

Technical specifications

Characteristic	Specification / Description
Frequency Range	879 to 945 MHz
Frequency Resolution	500 KHz, 1 MHz, 2 MHz, 4 MHz
Receiver Sensitivity	-97 dBm
Data Averaging	32, 64, 128 or 256 samples per frequency point
Scan Time	1 second with 500 KHz frequency resolution and 128 sample averaging (faster with coarser resolution or fewer samples averaged)
Browser Interface	Logarithmic display (dBm vs. frequency), overlaid graphs of peak and average signal
Power System	Power Over Ethernet, 12 VDC (POE Injector and 120 VAC to 12 VDC adapter included)
Connectors	RPTNC to antenna, RJ-45 to LAN
Antenna	AW2-900 Omnidirectional 2.5 dBi antenna included, up to 15 dBi Yagi optional
Operating Environment	-40° C to +70° C, Sealed for outdoor operation
Mechanical	200 x 80 x 55 mm, rugged plastic enclosure
Warranty	1 Year Parts & Labor, XTRa-Care Extended Warranty 2 Year Extension available at nominal cost
Certification	FCC, IC, CE

Ordering information

PART NUMBER	DESCRIPTION	CONTENTS
AW900-SPEC	900 MHz Site Survey Spectrum Analyzer	(1) Spectrum Analyzer (1) AW2-900 900 MHz Omnidirectional 2.5 dBi Antenna (1) AW-POE Power Over Ethernet Injector (1) AW-12VPS Wall hanging 120 VAC to 12 VDC Power Adapter

Useful Accessories

- AW5M-900 900 MHz Omnidirectional 5 dBi Magnetic Antenna
- AW10-900 900 MHz Directional 10 dBi Panel Antenna
- AW11-900 900 MHz Directional 11 dBi Yagi Antenna
- AW15-900 900 MHz Directional 15 dBi Yagi Antenna
- AW-RF1 to AW-RF50 900 MHz Antenna Extension Cables
- AW-XPM Pole Mounting Plate
- AW-POE-USB USB Power/Ethernet Cable

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