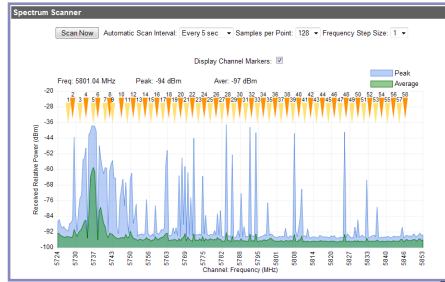


5.8 GHz Spectrum Analyzer

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.



AW5800-SPEC 5.8 GHz Site Survey Spectrum Analyzer

AvaLAN 5.8 GHz 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 5.724 to 5.853 GHz in 1 MHz steps
- -97 dBm sensitivity (0.2 nanoWatts)
- Can average up to 256 samples per point
- Logarithmic graph of peak & average power vs. frequency
- Mount outdoors with included 5 dBi omnidirectional antenna or use our 23 dBi directional panel



Technical specifications

Characteristic	Specification / Description
Frequency Range	5.724 to 5.853 GHz
Frequency Resolution	1 MHz, 2 MHz, 4 MHz, 8 MHz
Receiver Sensitivity	-97 dBm
Data Averaging	32, 64, 128 or 256 samples per frequency point
Scan Time	1 second with 1 MHz 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	AW5-5800 Omnidirectional 5 dBi antenna included, 23 dBi directional panel 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
AW5800-SPEC	5.8 GHz Site Survey Spectrum Analyzer	(1) Spectrum Analyzer (1) AW5-5800 5.8 GHz Omnidirectional 5 dBi Antenna (1) AW-POE Power Over Ethernet Injector (1) AW-12VPS Wall hanging 120 VAC to 12 VDC Power Adapter

Useful Accessories

- AW23-5800 5.8 GHz Directional 23 dBi Panel Antenna (includes 4' RF Cable)
- AW-XPM Pole Mounting Plate
- AW-POE-USB USB Power/Ethernet Cable

©2004 – 2009 AvaLAN Wireless Systems Incorporated. All rights reserved. AvaLAN Wireless and the AvaLAN Wireless logo are registered trademarks of AvaLAN Wireless Systems Incorporated. All other trademarks are property of their respective owners. AvaLAN Wireless makes no representations or warranties with respect to the accuracy, utility, or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. No license, express or implied, by estoppel or otherwise, to any patents or other intellectual property rights is granted by this document. Particular uses or applications may invalidate some of the specifications and/or product descriptions contained herein. The customer is urged to perform its own engineering review before deciding on a particular application. AvaLAN Wireless products are not designed for use in medical, life saving, or life sustaining applications.