



IDENTIFY AND CLASSIFY WLAN INTERFERENCE SOURCES

MOTOROLA AIRDEFENSE SPECTRUM ANALYSIS

Wireless networks share the same 2.4 GHz and 5 GHz unlicensed spectrum used by devices such as cordless phones, Bluetooth headsets, wireless cameras and microwave ovens. These devices may cause minor to severe interference to your WLAN infrastructure and may impact network performance. Quite often, interference sources are introduced unknowingly and problems are intermittent, so troubleshooting is particularly difficult and is most effectively performed in real time. The AirDefense Spectrum Analysis module allows you to cost-effectively identify, classify, and resolve interference issues the limit the effectiveness of your WLAN.

TROUBLESHOOT FROM YOUR DESK

The AirDefense Spectrum Analysis module utilizes your Motorola WLAN infrastructure (dedicated sensors or access points) to troubleshoot interference problems without the need to dispatch a technician to a physical location. Unique to the industry, the AirDefense Spectrum Analysis Module is a software only solution that allows you to view the physical layer of your wireless network without the need for specialized hardware.

With Spectrum Analysis, you can identify and classify possible sources of interference and view the impact to the wireless network. With its easy-to-use graphical interface the Spectrum Analysis module lets you monitor and troubleshoot even the most elusive, intermittent interference sources. With the ability to view real-time spectrograms you can easily identify possible issues and immediately take necessary steps to improve wireless performance. The tool runs in the background of the

PRODUCT SPEC SHEET

MOTOROLA AIRDEFENSE SERVICES PLATFORM
NETWORK ASSURANCE: SPECTRUM ANALYSIS MODULE

AirDefense console and provides alerts to network administrators when an interference source is detected. Performance issues can be proactively addressed before critical wireless applications are affected. Detection is done from a central console, avoiding the need for IT staff to make on-site visits to determine the cause of interference issues.

ADVANCED SPECTRUM ANALYSIS

Starting with ADSP Release 8.1.1, the remote interference capabilities of the AirDefense Spectrum Analysis module have been enhanced to support higher resolution analysis which in turn provides more accurate and granular interference detection. In addition, the Advanced Spectrum Analysis capabilities include continuous interference detection, a customizable user-interface with enhanced visualization and sophisticated data correlation which allows you to focus only on interference sources impacting your production WLAN.

Advanced Spectrum Analysis requires WiNG 5.1 or newer running on next-generation Motorola AP platforms and for the 8.1.1 release will be supported by Motorola AP6511, AP621 and AP6521 platforms only. Outside of the AP's identified, all existing Motorola AP and sensor platforms will continue to support only the Standard Spectrum Analysis option.

HOLISTIC WIRELESS MANAGEMENT

The Spectrum Analysis Module runs on the AirDefense Services platform and requires no hardware outside of existing Motorola sensors or access points to function. The Platform offers seamless integration of wireless Security & Compliance solutions, WLAN Infrastructure Management, and Network Assurance tools that centrally troubleshoot user connectivity issues and optimize WLAN performance. The AirDefense Services Platform is the industry's first comprehensive service oriented platform that can be leveraged by enterprise IT to dramatically reduce TCO and achieve quicker ROI from their WLAN.

Motorola AirDefense solutions reflect our holistic approach to network design, management, security and network assurance. Motorola delivers both an unrivaled indoor/outdoor wireless portfolio and the software tools you need to build and operate a trusted high-performance wireless network.

For more information about Motorola AirDefense Solutions, please visit us on the web at motorola.com/wms.

SYSTEM REQUIREMENTS FOR MOTOROLA AIRDEFENSE SOLUTIONS

An AirDefense server appliance is required to run the AirDefense Services Platform and all AirDefense modules. The server appliance is a true plug-and-play system with a hardened operating system, optimized database, and application software included.

Current model options include:

- Model 1252
- Model 3652
- Model 4250

Please refer to Motorola AirDefense server appliance sheets for details on specific models.

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