



## Motorola Canopy Recommends the Analyze-R™

The Motorola Canopy system is designed to operate in the unlicensed bands, where *interference is the single largest contributor to system failure.*

Motorola recognized the added value, in recommending to their user base, the advantages of using the Analyze-R. With its ability to measure and analyze interference, normalized to the radio's channel bandwidth, the Analyze-R can instantly identify the various sources of interference from other transmissions, as well as reflected fading (multi-path) of one's own signal, in order to mitigate the problem. The Analyze-R is essential in site analysis of new prospective installations; the verification of newly installed sites; and to trouble-shoot existing sites whose links have been compromised and are experiencing operational problems. It is the only instrument on the market specifically designed for wireless interference analysis.

Motorola's quote, on their web site for Canopy third-party providers, follows:

"Pendulum Instruments' (formally XL Microwave) Analyze-R, 2 & 5 GHz Spectrum Monitor / Analyzer, is the ideal application specific instrument for identifying and resolving multipath and interference issues for the Canopy solution. The Analyze-R allows you to measure and record both the Carrier and Interference total power, normalized to the Canopy's modulation bandwidth, and determine if sufficient C/I fade margin exists for establishing a reliable link with good availability. The Analyze-Rtm provides quick and easy analysis of path, equipment, and/or interference induced problems and is designed for use by anyone...you don't need an engineering degree or technical background to make accurate and meaningful measurements. At last, a Spectrum Analyzer for the rest of us!"

The Motorola recommended customer base consists of the system engineers and system integrators/partners that are designing and installing Canopy links. Motorola itself does not buy Analyze-Rs.

The reason Motorola recommends the Analyze-R, and it is the only analyzer they do recommend, is because Motorola's after-market support costs are significantly reduced by having their customer base capable of analyzing and mitigating in-field problems themselves. This customer base consists mostly of personnel who are not necessarily knowledgeable or sophisticated about RF engineering. Because of its ease of use and high sensitivity to interference measurement, these customers are greatly benefited by having the Analyze-R available to them.

For these reasons, Motorola Canopy, and other radio manufacturers such as Proxim, recommend the Analyze-R from Pendulum Instruments.