

Brochure

VIAMI

OneAdvisor 800 Wireless

Real-Time PIM Analysis

The OneAdvisor 800 Wireless provides a comprehensive and non-intrusive PIM analysis solution

Traditional PIM isolation methods involve disconnecting a radio from its feedline and inserting a dedicated tone generator to perform PIM analysis through the operating frequency of the radio. However, these dedicated tone generators have several inconveniences due to their size and cost, as well as the limitation of being frequency-dependent.

In contrast, the OneAdvisor 800 can perform PIM detection from the ground, using a fiber tap to monitor the connection between a Remote Radio Head (RRH) and the Baseband Unit (BBU). The OneAdvisor 800 decodes the RF signal between the RRH and the BBU using RFoCPRI™ technology and displays the Uplink Spectrum in real-time, automatically calculating a PIM detection with a PASS/FAIL indicator based on the slope of the signal.

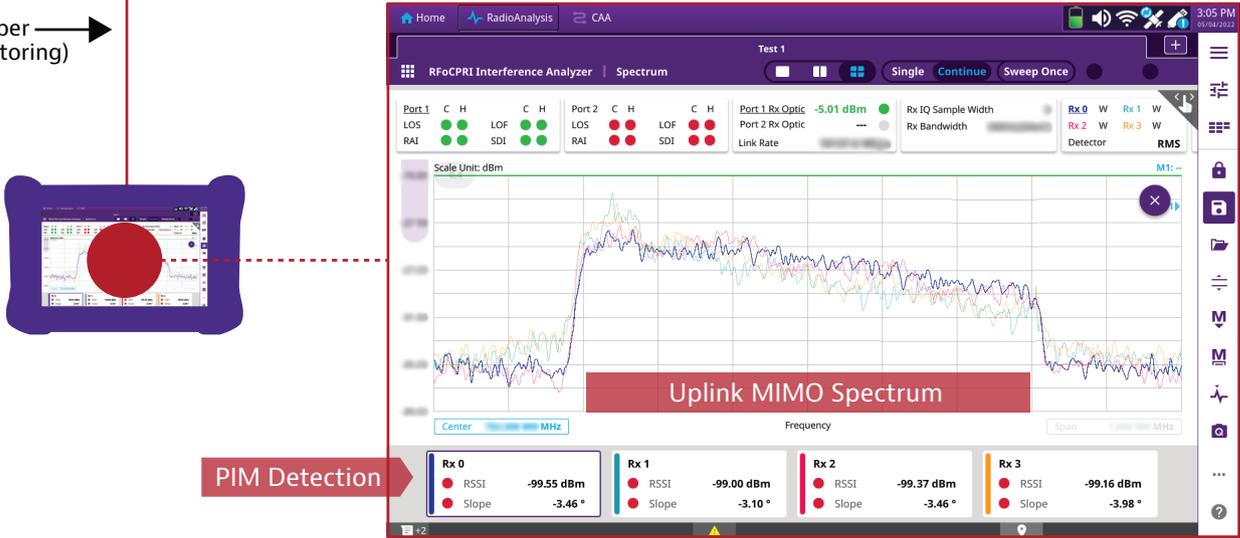
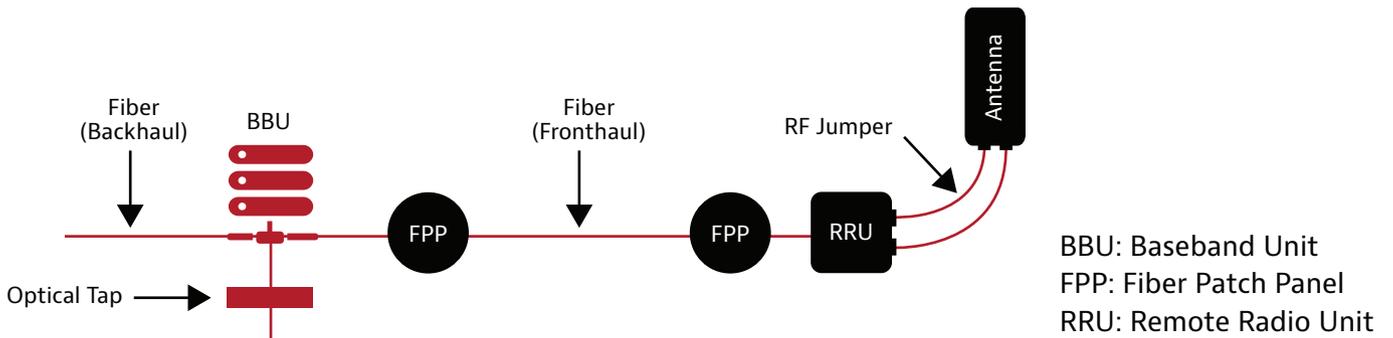
Eliminate the need to hunt around for PIM using a traditional PIM Analyzer that is heavy and band specific. Simply monitor the uplink spectrum via RFoCPRI™ and if PIM has been detected, verify if it is internal or external to the site using PIM absorbers, and then locate possible PIM sources with PIM blankets and PIM probe with the OneAdvisor 800.

Benefits

- Real-time RFoCPRI spectrum updates make it simple to detect PIM on ANY CPRI-based radio on ANY band
- Non-intrusive test does not create network disruptions, and opening a coaxial connection and possibly introducing a new VSWR or PIM issue
- Avoid operating costs and tower climbs by monitoring from the bottom of the tower or at the BBU Hotel in a CRAN environment
- Easy report generation simplifies ticket close-out and reporting
- A true multiband PIM solution that can be extended for additional installation use cases with OTDRs and optical power meters

Key Features

- Automatically overlays spectrum traces of radios with MIMO reception (2x or 4x)
- Supports multiple CPRI rates
- Capable of interfacing with digital fiber microscopes with automated PASS/FAIL indicators of fiber connectors
- Can be equipped with fiber splitters to support visibility of typical 3-sectors cell sites
- Supports optional modules for Cable and Antenna Sweep and Spectrum Analysis (ONA-800)



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Ordering Information

- OneAdvisor 800 | Flexible configurations, please contact VIAVI.



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