Quickly resolve RSSI issues

Using EXFO's iORF test solution

Got high RSSI?

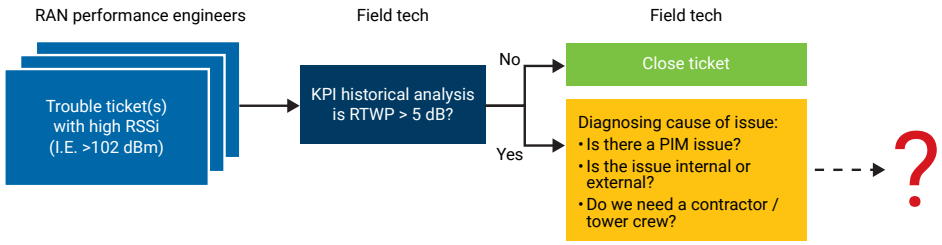
Identifying fronthaul issues such as PIM or RF interference, *quickly and easily*, is a big challenge. One KPI that operators are paying careful attention to is the **received signal strength indicator (RSSI),** but identifying the root cause of high RSSI can be a challenging, lengthy and expensive process.

EXFO is working with operators across the globe to implement a new approach to **quickly diagnose** the root cause of RSSI issues and significantly improve site KPIs. **The result is enhanced network performance and substantial cost savings!**

Resolving RSSI issues with a new simplified process

Today, RSSI issues are detected by relying on historical trends—and field techs require the help of a contractor/tower crew to fix these issues. However, it may take multiple site visits before the issue is resolved. Relying only on historical data makes it's hard to assess whether the contractor was able to resolve the issues. Consequently, having the right tools for the job will help contractors close out jobs faster and with first-time-right results—in turn preventing costly, repeat tower climbs.

EXFO is helping operators reduce OPEX and resolve RSSI issues quicker by enabling field techs and contractors to identify PIM or RF Interference issues in real-time with an easy-to-use, automated solution. **The cost of one EXFO iORF test solution can save more than the cost of an unnecessary crane roll!**



Determine the root cause of your RSSI issue in under 5 minutes with EXFO's iORF!

Key benefits

- Identify **self-generated PIM, external PIM or RF interference in under 5 minutes**.
- Requires **no learning curve**: automated test turns any technician into an RF expert.
- Resolve issues faster with a simplified report that can easily be shared with contractors.
- Reduce **unwanted truck rolls** by pinpointing whether the problem is self-generated or from an external source.
- Easily remote control into the FTB 5GPro test solution and support the user in the field.
- Flexible, modular EXFO platform provides a **future proof solution** allowing additional functionality to be added as requirements evolve.

Demo video

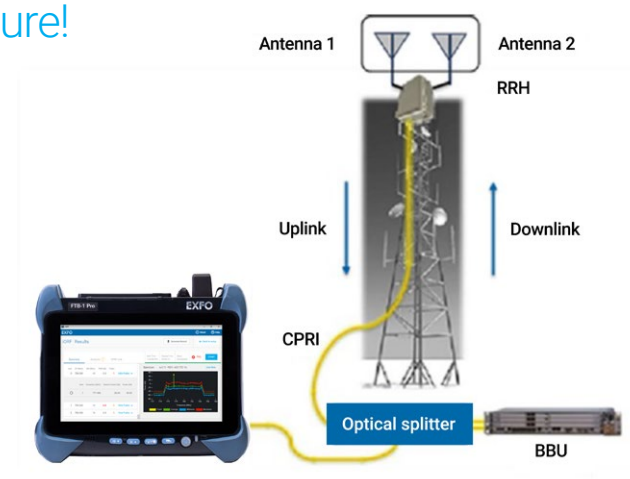
EXFO's intelligent RF spectrum analysis over CPRI (iORF)

Got high RSSI? Testing reveals a bigger picture!

EXFO's iORF is the **ONLY intelligent RF over CPRI** solution on the market today.

One-button, fully automated test solution that provides complete analysis of the RF spectrum with a pass or fail verdict and generates a report.

The application will auto-configure the CPRI link as soon as the fiber is inserted. With the push of a button, it will auto-detect the mapping and the bandwidth of the antenna connected on the CPRI link. **The automated test will analyze all the antennas and clearly identify the issues that are troubling the sector, such as RF interference, internal or external passive intermodulation (PIM)—all under 5 minutes.**



Got external interference? Let's find it!

EXFO's NEW **over-the-air spectrum analyzer, the 5GPro Spectrum Analyzer**, can be used in unison with iORF for installing and maintaining 4G/LTE and 5G mobile networks.

The 5GPro Spectrum Analyzer is **available on the same FTB 5GPro test kit as iORF**.

This complete solution enables field techs and contractors to pinpoint and **eliminate the source of the interference causing trouble tickets**.

User-friendly GUI that is **easy to configure, making** interference hunting fast and simple for technicians at any skill level.

Use case: improvements in the spectrum

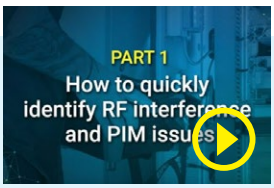
EXFO's FTB 5GPro test kits offers a complete 4G/LTE and 5G test solution that enables maintenance engineers and cell technicians to do more, faster and with first-time-right results. In a recent field trial, it delivered the following benefits:

- With the iORF test solution, a tier-1 mobile network operator was able to quickly identify the root cause of the issue—significantly reducing the time-to-diagnose and avoiding unnecessary expenses, such as tower climbs.
- The 5GPro Spectrum Analyzer was used to identify the source of the RF interference easily and accurately—and resolved the issue before there was any major impact to the quality of service (QoS) or subscriber quality of experience (QoE).

- RF spectrum analyzer
- RF spectrum over CPRI
- Timing & synchronization
- Multi-protocol testing
- Transciever validation
- Fiber characterization
- Fiber inspection
- Transceiver support (up to 100G)

How-to videos

A best practices methodology on how to quickly identify and mitigate PIM issues.



Learn more about the FTB 5GPro
EXFO.com/FTB5GPro

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