



LEAK DETECTION AND TRACKING

# QAM SNARE®



CLEARLY BETTER

ARCOM  
DIGITAL



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## Leading the leakage detection revolution

QAM Snare® is a new breed leakage detection platform based on modern digital signal and correlation processing– it provides a complete picture of egress from the HFC network across the entire frequency band, and importantly provide a means to prioritize repair of those leaks that are most relevant, enabling operators to continuously improve their network operations and performance.

QAM Snare's cutting-edge technology far surpasses the competition in sensitivity, location accuracy, frequency agility, flexibility, time to repair and simplicity of use. It is compatible with all modulation formats including OFDM, and is the only platform that provides an integrated LTE signal strength measurement, an important basis upon which to intelligently prioritize repairs. Our competitors offer 1980's leakage technology with a fresh coat of paint. If you want to make the most of your network's operations and performance, arm your technicians with QAM Snare.



PRODUCTIVITY DRIVEN

## BUILT TO HELP YOU PERFORM BETTER

**AGILE:** Perform leakage detection at a relevant frequency and automatically measure LTE signal strength to prioritize repair for relevant locations while you're at it.

**PERCEPTIVE:** Engineered with the required sensitivity to find those leaks that are sources of forward ingress and provide complete visibility across the spectrum. Provides simultaneous detection on up to three QAM channels.

**INSTRUCTIVE:** With built-in real-time leakage, tracking, and work order database, you get an immediate and complete picture of network integrity, which allows for more informed decisions regarding maintenance and compliance support.

**FLEXIBLE:** A complete family of products designed for the flexibility to add appropriate digital leakage detection for the appropriate technician type – from line tech to fulfillment tech – whatever makes the most sense for your business.

**IMPERVIOUS:** Immune to multipath, making leakage detection hassle-free.

**ACCURATE:** Mathematically determines the GPS location of the leak – no guesswork.

**COMPATIBLE:** Leakage database is open and fully exportable to any other application or management system.

**RELIABLE:** No more of the false alarms that plague other systems. With QAM Snare you can confidently send your team to fix real problems.

**INTELLIGENT PRIORITIZATION:** Fix the leaks you need to fix, and don't waste time on the others.

**SIMPLE:** Intuitive design and simple user interface makes it easy detect and locate LTE affecting egress, and QAM Snare's correlation process eliminates the hassle and long-term uncertainty that adding carriers between QAMs brings.

**INSTANT:** QAM Snare® uses time-delay information to resolve the exact GPS location of the leak source in real-time, enabling instant and accurate leakage detection.

**COMPLIANT:** Compatible with FCC CLI form generation and can be used when operating at aeronautical frequencies.

**FUTURE-PROOF:** Fully OFDM compatible. QAM Snare operates in Analog, Analog tag, QAM, OFDM, and pilot detector modes.

## Advanced engineering for effortless simplicity

The most advanced and accurate leak location technique in the industry. The QAM Snare correlation process analyzes time delay, to provide the most precise and accurate detection and calculated GPS leak location, with no false alarms or any of the hassle traditionally associated with leakage mitigation. Simply go to the flagged GPS location and use our multipath-impervious detector to move lightning fast to the leak location – a perfect example of technology-enabled simplicity.





## QS SNOOP

Our QS Snoop was designed from the ground up for the specific needs of the fulfillment technician. It simultaneously operates at multiple frequencies while quickly and easily allowing the user to pinpoint leaks in the home or MDU. It has pilot detector capability to troubleshoot those difficult LTE ingress problems caused by poor shielding effectiveness, and it requires no communication with the server when operating in analog, OFDM or Pilot detector modes.



## QS ISOLATOR

The QS Isolator is the quick, easy way to get to the source of the problem. Engineered to quickly and accurately locate and identify the source of signal leakage, QAM Snare flags a starting point from which the QS Isolator easily leads your technician to the offending device.



## QS ISOLATOR SET

The Isolator Set is a cost-effective solution to provide any system with the ability to troubleshoot LTE leakage without installing any equipment at the headend. One Isolator acquires the QAM channel samples and then sends them to the second. The second unit correlates the samples to samples pulled from its local antenna. It also provides an effective means to troubleshoot QAM egress in the headend.



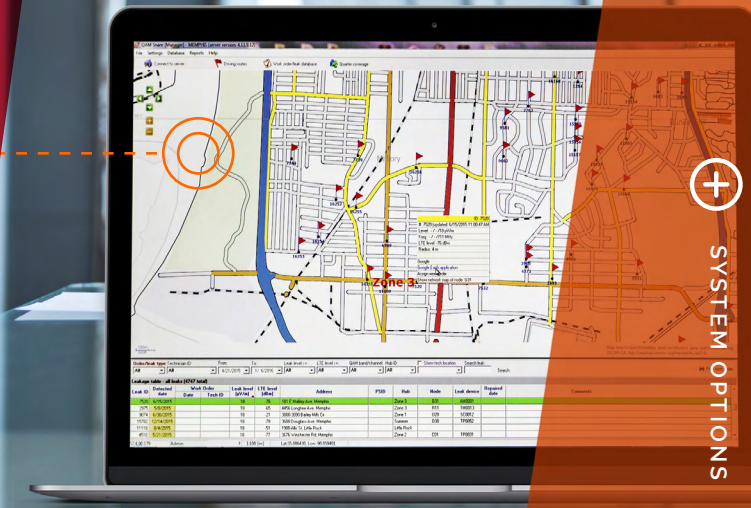
## QS PILOT TRANSMITTER

Companion piece for Snoop and Navigator + to easily troubleshoot those challenging LTE direct pickup issues in the home and MDU.



## QS Manager

Customize your QAM Snare platform to best suit your needs with QS Manager. Control alarm preferences, repair rules, and monitor QAM Snare field device usage and activity. Manage productivity by tracking and prioritizing repairs and assigning work orders. Make better-informed decisions with easy access to both short-term and historical leak detection and repair trends. Export your data to other companion systems and generate reports.



## QS Web Client

QS Web Client lets you remotely monitor your network from your smartphone, tablet, or computer. Simply login to see what's happening in your system in real-time. Detect, locate, open and close work orders right from your browser.



## QS NAVIGATOR PLUS

QS Navigator Plus is two devices in one. When inserted in its cradle in your truck it records leaks as you drive by. Grab it when you are out of the truck and you can pinpoint the leak precise location in walk mode – all without the need for ISM band communication.

## QS NAVIGATOR

QS Navigator is installed in your truck to perform drive-by leak detection. It directs you to the leak and works as a data bridge when paired with a QS Isolator to quickly identify and pinpoint the problem source.



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### PNM+

Find problems before they happen, and keep your network running at peak efficiency.



### Hunter

Locate network issues with pinpoint accuracy, saving countless man-hours.



### QAM Snare

The only truly effective tools to detect and track QAM leaks are frequency-agile and future-proof.