



LEAK DETECTION AND TRACKING

QAM SNARE: SEE THE DIFFERENCE

Arcom outmatches the competition



CLEARLY BETTER

Arcom
digital

SIMPLE AND SUPERIOR

Only one system is able to *accurately* detect and track QAM leaks, pinpoint the location of their source, prioritize their level of urgency based on simultaneous measurement of LTE signal strength and manage the repair process from start to finish — that system is QAM Snare.

An intuitive design and simple user interface make it easy to detect and locate LTE egress, and QAM Snare’s unique correlation process eliminates the hassle and uncertainty that comes with adding carriers between QAMs.



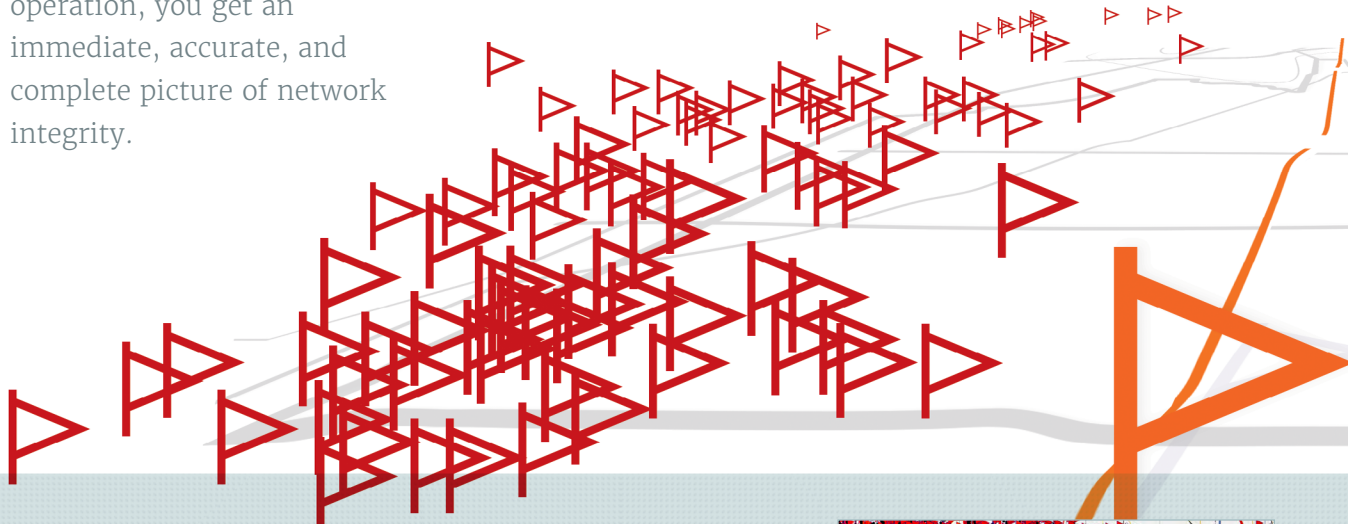
Get the right info, make the right calls.

US

QAM Snare helps you manage your network repairs efficiently through a process called Intelligent Prioritization. The QAM Snare platform provides precise, pinpointed leak locations in real-time, along with amplitude and frequency data and LTE signal strength. With QAM Snare’s 6MHz detection bandwidth and three channel simultaneous operation, you get an immediate, accurate, and complete picture of network integrity.

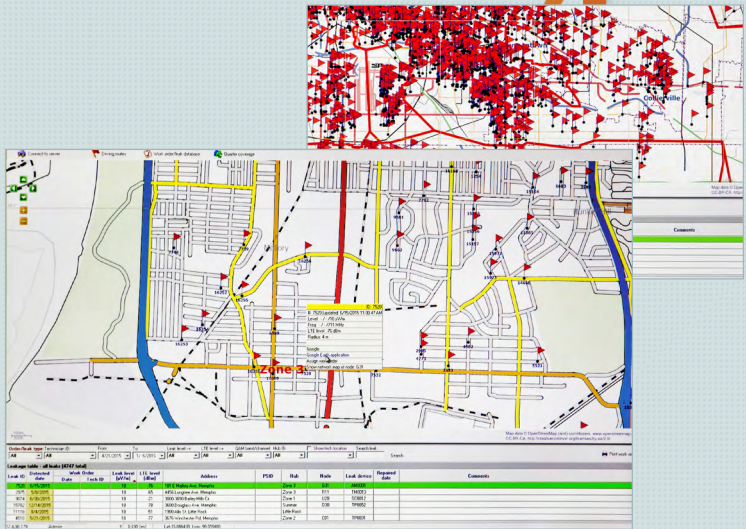
THEM

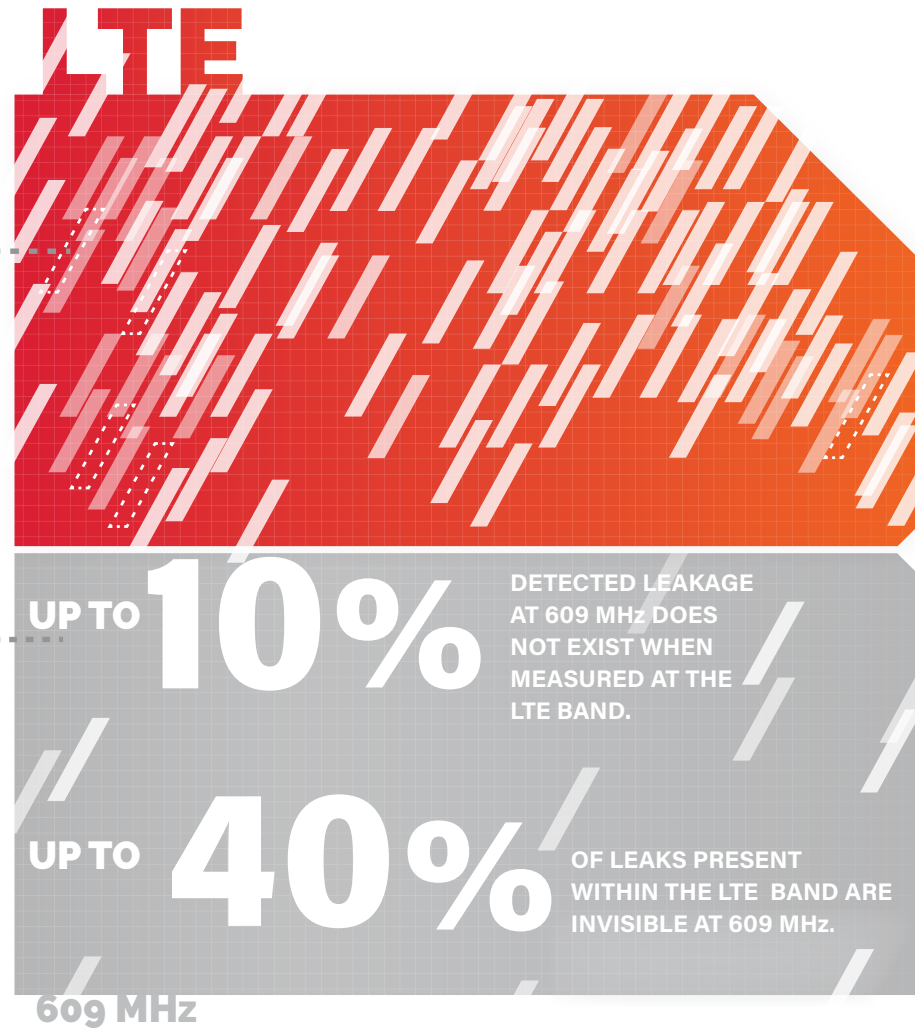
Other solutions measure a leak’s amplitude at a frequency band far from the LTE band, giving inadequate and inaccurate information. This method generates false alarms, misses the LTE band, and sends you chasing after leaks that don’t actually need repair, wasting valuable time and money.



MANAGE THE PROCESS

Because of the high number of LTE leaks, a process to manage and prioritize repairs is a necessity. Fixing the most network affecting leaks first—where repair will improve network performance—is at the core of the value we provide.





MEASURE WHERE IT MATTERS

US

QAM Snare measures within the LTE band, at the same frequency where egress and ingress affect you. This ensures you focus on the right leaks at the right level, and that you can confidently detect numerous leaks our competition misses (up to 40% of the total) because they measure at the wrong frequency.

THEM

Our competitors only measure leakage at 609MHz. They guess which signals may be problematic by measuring at this frequency, even though there's no correlation between leakage at 609MHz and the LTE band. Because of this, up to 10% of the leaks they detect don't exist at the LTE band – where it matters – while a large number of others that do matter are missed. This leaves you chasing phantom leaks and wasting countless hours of manpower.



ELIMINATE THE GUESSWORK

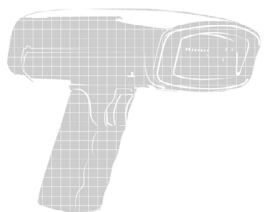
US

QAM Snare uses TDOA (Time Difference of Arrival) technology to bring you within feet of a problem source. By measuring the signal's time between departure from the headend to arrival at the antenna in the field, TDOA resolves the exact GPS location of the leak source in real-time.



THEM

Their technology only approximates a location to a range 10x larger than QAM Snare, meaning you waste excess time blindly searching for an impairment source – with a process made even more challenging because of multipath – with no guarantee that the leak is actually an issue in the first place.





OFDM COMPATIBLE

FUTURE PROOF

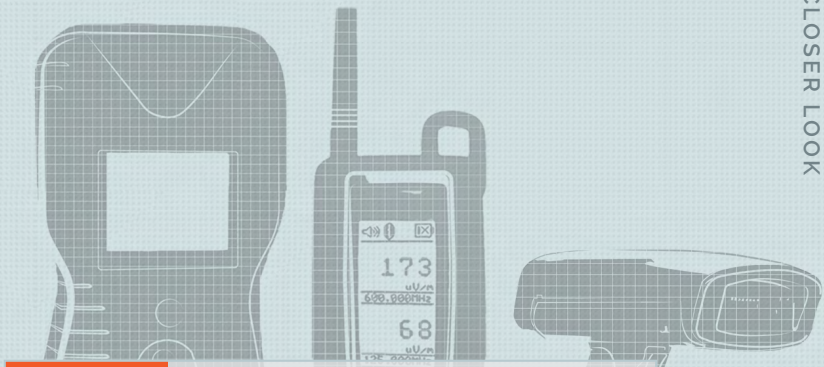
US

QAM Snare is equipped for the future with OFDM (Orthogonal Frequency-Division Multiplexing) operation mode. Our products are ready to integrate and perform just as well tomorrow as they do today.

THEM

No other product is OFDM capable without sacrificing bandwidth. With these products, the choice is to accept that either your heavy investment will result in de-rated DOCSIS 3.1 performance, or need replacement in the near future with QAM Snare.

QAM Snare offers many additional benefits over competing mobile detection platforms.



	QAM Snare	Comsonics QAM Sniffer	Trilithic Seeker D	Effigis CPAT
Frequency Agile	YES	NO	NO	YES
Can simultaneously detect on how many channels?	3	2	2	2
Can detect at the LTE band, where issues are located	YES	NO	NO	Yes but with less sensitivity
Immune to multipath distortion	YES	NO	NO	NO
Convenient, does not require an inserted carrier	YES	NO	NO	NO
OFDM compatible	YES	NO	NO	NO
3 modes: OFDM, QAM and analog	YES	NO	NO	NO
Greatest sensitivity	YES	NO	NO	NO
TDOA technology	YES	NO	NO	NO
Performs LTE signal strength measurement integrated into detection process	YES	NO	NO	NO
Allows you to use LTE signal strength to prioritize repairs	YES	NO	NO	NO
Modern signal correlation detection	YES	NO	NO	NO
Vehicle Speed Limit	UNLIMITED	30 MPH	30 MPH	30 MPH
Stable detection performed across entire 6 MHz channel bandwidth	YES	NO	NO	NO
Immune to false detections	YES	NO	NO	NO

i CLOSER LOOK

Arcom engineers and manufactures the most advanced and effective solutions in the world for cable network impairment, leakage detection and locating technology. Arcom employs unique passive radar Xcor technology and provides the only equipment in the industry capable of locating both linear and nonlinear distortions like Common Path Distortion (CPD). We developed these solutions because we are committed to making our customers' lives easier and their customers happier.

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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.