



LEAK DETECTION AND TRACKING

QS PILOT TRANSMITTER

Efficient customer premises ingress troubleshooting

Arcom's Pilot Transmitter provides a means to test home network shielding efficiency (SE) at the LTE and aeronautic band. High level transmitters in the form of mobile phones in very close proximity to the home network with its inherent low signal levels along with often old and suspect wiring – result in a reality that on occasion even sub 1 μ /m leaks need to be mitigated to eliminate interference.

The Pilot Transmitter is our solution to this problem. In order to operate, the home network is temporarily disconnected from the cable network and the Pilot Transmitter is connected at either the grounding block or the drop side of the tap. The transmitter generates high-level (+40dBmV) pilots, which are easily detectable using a QAM Snare Navigator Plus or Snoop. This technique makes the troubleshooting process quick and easy, and allows you to test the shielding efficiency of the home network at up to 100 dB/m.



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BUILT TO HELP YOU PERFORM BETTER

AGILE: The Pilot Transmitter can generate pilots at both the LTE and aeronautical band. Utilizing two pilots at different frequencies minimizes multipath and simplifies the troubleshooting process.

ON TARGET: At the LTE band, frequency variations of the shielding effectiveness of cables within walls make it critical to select a frequency very close to the channel with the ingress problem. This ensures that you troubleshoot the correct problem – working far from the LTE band will yield poor results.

SHIELDED AND ACCURATE: The agile transmit frequency can be configured by the companion Navigator Plus or Snoop. Additionally, the Navigator Plus and Snoop provide the detected level both as a shielding efficiency number and as an actual leak level number, recalculating the displayed number to be consistent with typical home signal levels and not the +40dBmV. The shielding efficiency number provides a more intuitive representation of what falls within acceptable limits.

IN-HOME INGRESS DETECTION: The Pilot mode may also be used for effective leak location in the aeronautical band to troubleshoot Ingress inside the home.

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 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 life's easier and their customers happier.

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