

Summitek Instruments introduced their first PIM Analyzer in 1996 and brought standardization to the industry. As a result, their PIM Analyzers became the world standard for this critical quality assurance measurement. Over time, the product line expanded to include manufacturing test solutions for every major wireless band. Through a technology partnership with Triax, their PIM test solutions now include tools for certification of basestation construction quality and even one light enough to carry up a tower. This product mix coupled with their knowledge and experience is unique in the industry. Summitek takes pride in assisting customers with reliable, competent technical support that contributes to understanding and success.

## IEC Compliant (2 x 20 watts) Test Solutions



The Summitek benchtop units are used to verify the manufacturing quality of components in a production environment. Summitek test capabilities such as PIM vs. Time and PIM vs. Frequency provide insights that are used to improve product design and manufacturing techniques. The level of performance remains unmatched for residual IM level, accuracy and repeatability. The Summitek PIM Analyzers are used by nearly every component manufacturer and OEM around the world and are available in all major commercial wireless bands.



The IMT series is the first 20 watt PIM tester developed for use at the basestation to identify construction defects that impact network performance. The solution was designed and developed by Summitek's technology partner, Triax, for Telstra in Australia. Telstra aggressively pursued the goal of a "transparent" RF infrastructure in order to realize the full potential of their network. The IMT is available in the 850 MHz and 900 MHz bands.



Like the IMT, the interconnect Quality Analyzer (iQA) is a field test tool for identifying construction defects and certifying basestation performance. But with an on board computer and touch screen interface, the iQA offers additional test capabilities such as operator selectable frequency pairs and comprehensive reports to document test results. The iQA is available for DCS/PCN, PCS, and PCS/AWS bands.

## Handheld Unit (2 x 2 watts)



The iHA is a lightweight, low power PIM tester that can be taken up the tower or used for a coarse check on individual components. The simple to use one button push-to-test implementation makes it ideal for the intended application. However, as with all low power PIM testers, it is not intended or appropriate to use to certify a complete basestation.