

R29-4788

LOW PIM PROBE

The Low-PIM Probe is part of the Kaelus PIM Finder, a solution designed to identify and locate external PIM sources. External PIM sources come in many different forms, i.e. corroded metal, loose metal objects, or objects that are non-linear in the proximity of the radiating antenna. The main objective of the Kaelus PIM Finder Solution is to help identify the location of external PIM sources and quickly suppress these interfering signals using different methods, like removing or covering the PIM source.

The PIM Finder solutions consists of several components all designed by Kaelus to ensure a quick and easy setup at site for a user-friendly operation.

Once all internal PIM sources have been eliminated, the Kaelus PIM Finder solution set-up can be used with single or dual port solutions.



FEATURES

- One-handed operation, direct connection from iVA to low PIM probe
- Small and lightweight, allows for working in hard to access areas
- Equipment designed for harsh environment and with field use in mind

TECHNICAL SPECIFICATIONS

SYSTEM	
Frequency range	600-4000MHz
PIM Performance	IM3 < -90 dBm when tested in accordance with proposed IEC 62037-8, near field test, 2x 20W test
Near Field Signal variation VS. Orientation	<5 dB variation in received signal level when probe is rotated 90° relative to an external PIM source
MECHANICAL	
Connector	N Type (F)
Mating torque	0.7Nm (6.2 in-lbs) max
Dimensions H x D x W	35 inch long, 1.9 inch diameter at probe tip
ENVIRONMENTAL	
Temperature range	-10°C to +55°C +14°F to +131°F (operational)

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
R29-4788	Low-PIM Probe
PIM FINDER SOLUTION	
PART NUMBER	DESCRIPTION
2-port PIM Finder	2-port PIM Finder - Solution for B17 and B14
1-port PIM Finder	1-port PIM Finder - Solution for 600MHz to 2600MHz



Low PIM Probe as part of the 2-port PIM finder solution



PIM Finder in action