

PIM FINDER

Kaelus PIM Finder is a product designed to accurately identify and locate PIM sources external to antenna infrastructure. The Kaelus PIM Finder provides the ability to search for PIM sources caused by loose mounting brackets, fasteners, parapet walls and more. PIM Finder is ideal for all testing scenarios including tower, rooftop, DAS and small cell sites.

PIM Finder is a software option available through Kaelus Unify and used in combination with the Kaelus iVA Cable & Antenna analyzer, iPA Portable PIM analyzer and low-PIM probe. By scanning the environment around the antenna infrastructure with the low-PIM probe while monitoring the received PIM level, the location of external PIM sources can be pinpointed quickly and precisely.



FEATURES

- Pinpoints external PIM (outside antenna infrastructure)
- Locates PIM sources in the 560-2750MHz frequency range
- One-handed operation, direct connection from iVA to low PIM probe
- Small and lightweight, allows for working in hard to access areas
- iPA provides two transmit tones at a power level of up to 20W per carrier
- iVA provides a receiver for measuring externally generated PIM
- Long range Bluetooth connection
- No phase-stable cable required

TECHNICAL SPECIFICATIONS

SYSTEM	
Frequency Range	560 - 2750 MHz
Near field signal variation vs orientation	< 5 dB variation in received signal level when probe is rotated 90° relative to an external PIM source
Sampling Rate	10 kSa per second
Dynamic Range	-40 to -115dBm
Resolution bandwidth	20kHz
Displayed average noise level (RBW = 20kHz)	-115 dBm
Measurement accuracy	±3dB
Connector	iVA Test Port N-Type (Male) Low PIM probe N-type (Female) Bandpass filters N-type (Male) to N-type (Female)
MECHANICAL	
PIM Test Probe	Length 35in 889mm Probe tip diameter 1.9in 48.3mm
iVA-0627	Dimensions H x D x W 2.06 x 2.73 x 8.51in 52 x 69.5 x 216mm
Interference Mitigation Filter	Dimensions H x D x W 1 x 1 x 2.48in 25.4 x 25.4 x 636mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	FREQUENCY RANGE
iVA-0627A	iVA Cable & Antenna Analyzer System	560-2750 MHz
iVA-SW-FI-A	PIM Finder software upgrade for iVA	560-2750 MHz
R29-4788	Low PIM Probe	560-2750 MHz
R29-4790	600MHz uplink filter	663-698 MHz
R29-4791	700MHz uplink filter TMO/ATT	699-716 MHz
R29-4798	700MHz uplink filter	703-748 MHz
R29-4792	700MHz uplink filter VZW B1	776-787 MHz
R29-4793	700MHz uplink filter VZW/FNET B13/B14	776-799 MHz
R29-4794	850MHz uplink filter	824-849 MHz
R29-4799	900MHz uplink filter	880-915 MHz
R29-4795	1750MHz AWS uplink filter	1710-1785 MHz
R29-4796	1900MHz PCS uplink filter	1850-1910 MHz
R29-4800	2100MHz uplink filter	1920-1980 MHz
R29-4787	5 Filter Kit	699-716 MHz 776-799 MHz 824-894 MHz 1705-1785 MHz 1850-1910 MHz
R29-4789	4 Filter Kit	776-799 MHz 824-894 MHz 1705-1785 MHz 1850-1910 MHz
iAK-0627-FD	PIM Finder 5 Filter Bundle iVA-0627A PIM Finder Software Low PIM Probe 5 Filter Kit	
iAK-0627-FA	PIM Finder 4 Filter Bundle iVA-0627A PIM Finder Software Low PIM Probe 4 Filter Kit	
Notes	iPA Portable PIM Analyzer ordered separately User to provide tablet or laptop to control iVA	

