

IBA-3501 C&D SERIES

BENCH TOP PIM ANALYZER

The iBA-3501 PIM Analyzer is a complete bench top and rack mounting PIM test solution used with a system controller and intuitive user software. The iBA-3501 D-Series is provided with two test ports allowing reflected PIM testing on either ports, as well as forward IM measurement port-to-port.



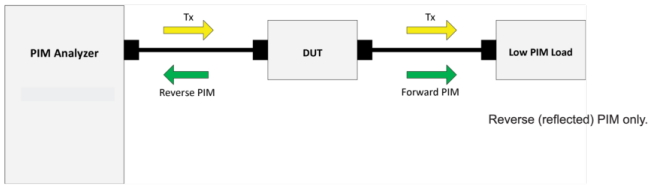
FEATURES

- C-Series: Single port unit for reflected PIM testing
- D-Series: Dual port unit for reflected and forward PIM measurements
- Fully configurable frequencies, power and IM products
- Up to 2 x 46dBm power output
- Frequency sweep and time trace modes
- Open circuit protection up to 1 hour with power turned on
- Kaelus API for easy integration with ATE systems
- Kaelus PIM server software offers the Engineering and Production modes for flexible user interface.

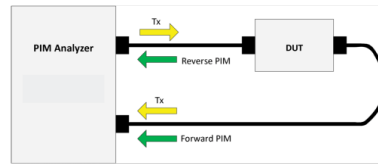
TECHNICAL SPECIFICATIONS

SYSTEM	
Residual PIM (2 x 40W)	min < -168 dBc(-122dBm), typical < -171 dBc(-125dBm)
IM order	3rd, 5th, 7th and 9th order
User interface ports	1 x USB Type A
Test ports	C-Series: 1 x RF Output (7-16 DIN Female); D-Series: 2 x RF Output (7-16 DIN Female)
TRANSMITTER	
Transmit frequencies	TX1: 3660 - 3700MHz TX2: 3730 - 3800MHz
Frequency increment	100kHz
Frequency accuracy	± 5ppm maximum, aging ± 1ppm maximum after first year
Power per tone (adjustable)	+30 to +46dBm 1W to 40W
Power accuracy (per tone)	± 0.35dB
RECEIVER	
Receive band (100kHz steps)	Low Side Receiver 3500-3600 MHz High Side Receiver 3850 - 3980MHz
Measurement noise floor	< -130 dBm (-135 dBm typical)
ELECTRICAL	
Mains power	115 - 230V, 50 - 60Hz AC
Power consumption	1050W (Maximum)
MECHANICAL	
Dimensions H x D x W	C-Series- 264.2 x 508 x 482.6mm 10.4 x 20 x 19in D-Series- 355.3 x 508 x 482.6mm 14 x 20 x 19in
Weight	C-Series- 22.7kg 50lbs D-Series- 31.3kg 69lbs
Cooling	Forced air (100mm gap to be maintained at the rear when rack mounted, 1U spacing recommended between units)
ENVIRONMENTAL	
Temperature range	+10°C to +40°C +50°F to +104°F (operating)
Ingress protection	Indoor use (or similar protected outdoor environment)
Operational humidity	5% to 90% non-condensing
Storage temperature range	-20°C to +60°C -4°F to +140°F

C-Series: Reverse Only

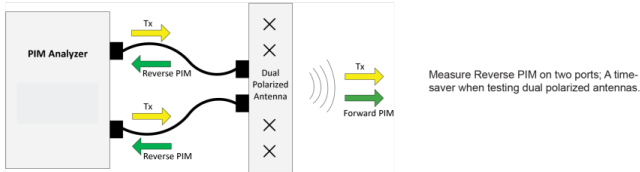


D-Series: Adds Forward / Through test capability



Measure the PIM propagating in the same direction as the test signals in addition to Reverse PIM.

D-Series: Adds a second Reverse test port



ACCESSORIES

ORDERING INFORMATION	
PIL-0006	Low IM Load
R92-0725	Air filter kit - iBA C Series
R92-0726	Air filter kit - iBA D Series
CA123506	Outdoor case for iBA-3501C