

IBA 4 PORT SERIES

BENCH TOP PIM ANALYZERS

The iBA 4 Port Series PIM Analyzer is a complete bench top and rack mounting PIM test solution used with a system controller and intuitive user software. This economical solution comes in model variations that cover all major commercial wireless bands.



FEATURES

- 4 port integrated system in compact size
- Fully configurable frequencies, power and IM products
- USB control interface
- Frequency sweep and time trace modes
- +46dBm Output Power (Max)
- Compatible with ACE calibration tool

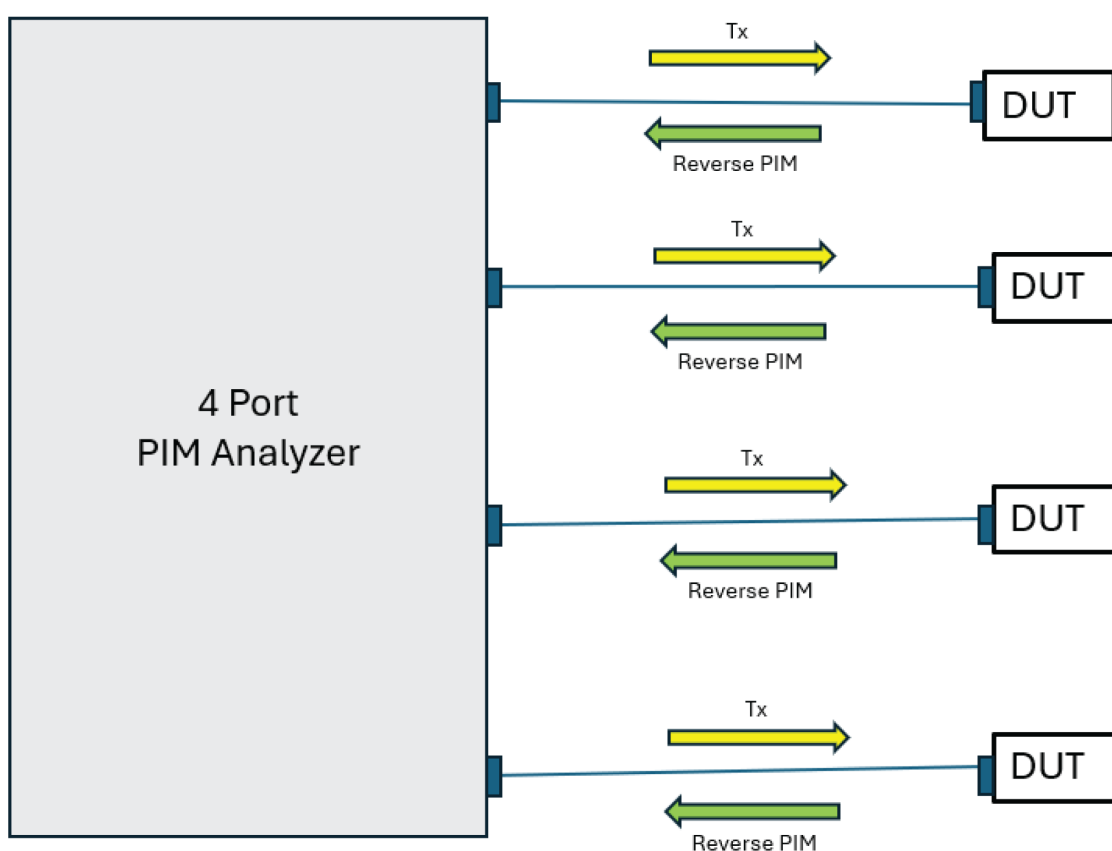
TECHNICAL SPECIFICATIONS

SYSTEM	
Measurement method	Non-Simultaneous Reverse (Reflected) PIM on Port 1 or Port 2 or Port 3 or Port 4
Residual PIM	< -125dBm (@2x43dBm)
IM order	3rd, 5th, and 7th Order
User interface ports	1 x USB Type B, 1x Monitor Port (N Female).
Test ports	4 x RF Output (7-16 DIN Female)
TRANSMITTER	
Transmit frequencies	Refer Model table
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)	Refer Model Table
Measurement noise floor	< -130 dBm (-135 dBm, typical)
Measurement range	-55dBm to -130dBm
ELECTRICAL	
Mains power	100 - 240V, 50/60Hz AC
Power consumption	800W (Maximum)
MECHANICAL	
Dimensions H x D x W	355.3.5 x 508 x 482.6mm 14 x 20 x 19in
Weight	~ 40kg 88lbs
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

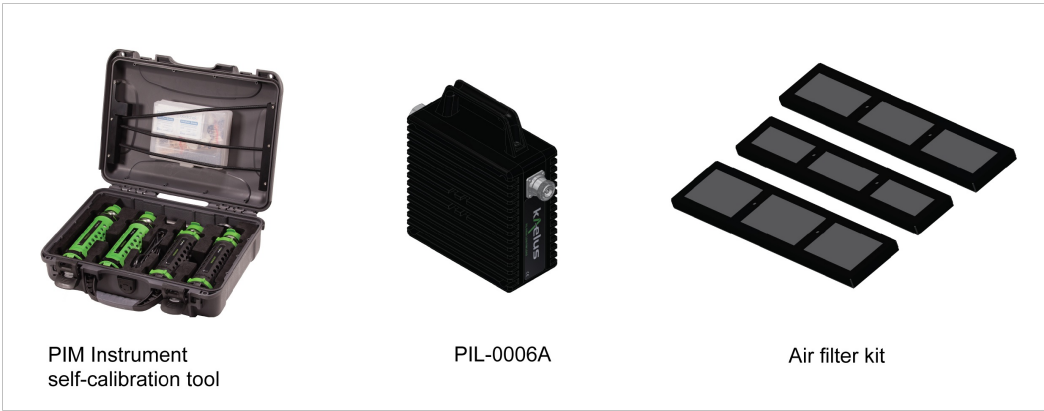
IBA F-SERIES MODELS

F-SERIES(Quad port) Reverse IM			
MODEL	TX RANGE	RX RANGE (PIM)	IM ORDER
iBA-0703F	TX1 758-768MHz TX2 778-803MHz	703-748MHz	IM3, IM5, IM7
iBA-0850F	TX1 869MHz TX2 879-894MHz	824-849MHz	IM3, IM5, IM7
iBA-0901F	TX1 925-935MHz TX2 945-960MHz	880-915MHz	IM3, IM5, IM7
iBA-1800F	TX1 1805-1812MHz TX2 1825-1880MHz	1710-1785MHz	IM3, IM5, IM7
iBA-2101F	TX1 2110-2130MHz TX2 2150-2170MHz	1920-2080MHz	IM3, IM5, IM7
iBA-2600F	TX1 2620-2630MHz TX2 2650-2690MHz	2500-2570MHz	IM3, IM5, IM7

F-Series: Adds 4 test ports



ACCESSORIES



ORDERING INFORMATION		
ACE-1000A		PIM Instrument self-calibration tool Highly recommended accessory
PIL-0006		Low Passive Intermodulation Termination 610MHz - 4000MHz
R92-0726		Air filter kit - iBA F Series