

PIM Master™

Battery-operated Passive Intermodulation Analyzer



LTE 700
700 MHz

Cellular Band
850 MHz

E-GSM Band
900 MHz

DCS Band
1800 MHz

PCS Band
1900 MHz

PCS/AWS Bands
1900/2100 MHz

Featuring Patented Distance to PIM™ (DTP) The Fastest Way to Pinpoint the Source of PIM

Anritsu Company introduces the first 40 W battery-operated high performance PIM testing solution for the major wireless standards in use around the world. Even though the package is small and it is battery operated, the MW82119A is a high performance PIM test solution allowing operators to adjust output power from 25 dBm for indoor DAS testing to 46 dBm for macro site testing.

The new PIM Master is the only PIM tester you will need to meet all of your PIM testing needs; with its battery operation, light weight, small size, and variable output power selections, it is ideal for testing all types of antenna systems:

- > Traditional high power cell sites
- > Remote Radio Heads or Remote Radio Units
- > RF Distributed Antenna Systems (DAS)



PIM vs. Time
PIM Level (dBm) vs. Time (s)

Key Specifications

Full Power	up to 46 dBm (40 W)
Wide Power Range	25 dBm to 46 dBm (0.3 W to 40 W)
Battery operated	2.5 hours
Small Size	350 mm x 314 mm x 152 mm (13.8 in x 12.4 in x 6.0 in)
Lightweight	9.0 kg to 12.2 kg (20 lb to 27 lb)
Residual PIM	<-125 dBm typical (2x 43 dBm test tones)
Measurement Range	-70 dBm to -130 dBm
Temperature Range	-10 °C to 55 °C



Quick Fact Sheet

PIM Master™

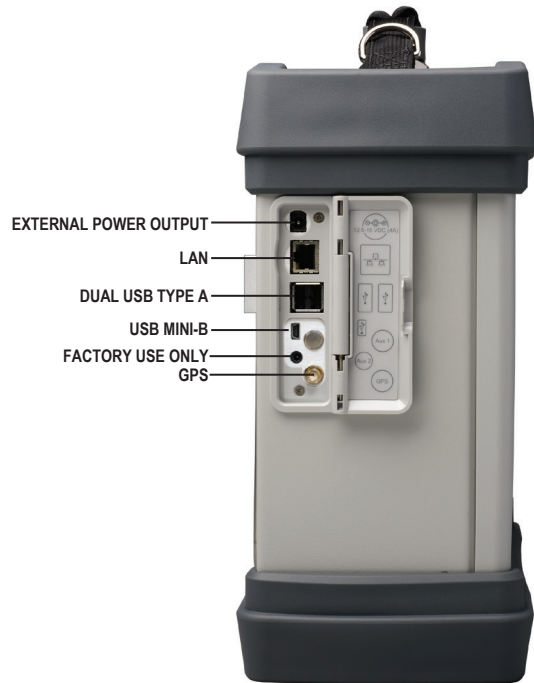
Battery-operated Passive Intermodulation Analyzer



Measurements	
PIM vs. Time	3rd, 5th, and 7th order intermodulation product when in receive band (user selectable)
Distance-to-PIM	Distance and relative magnitude of multiple PIM sources
Swept PIM	3rd, 5th, and 7th order intermodulation product when in receive band (user selectable)

Options	
Model Number	Description
MW82119A	PIM Master™ Passive Intermodulation Analyzer

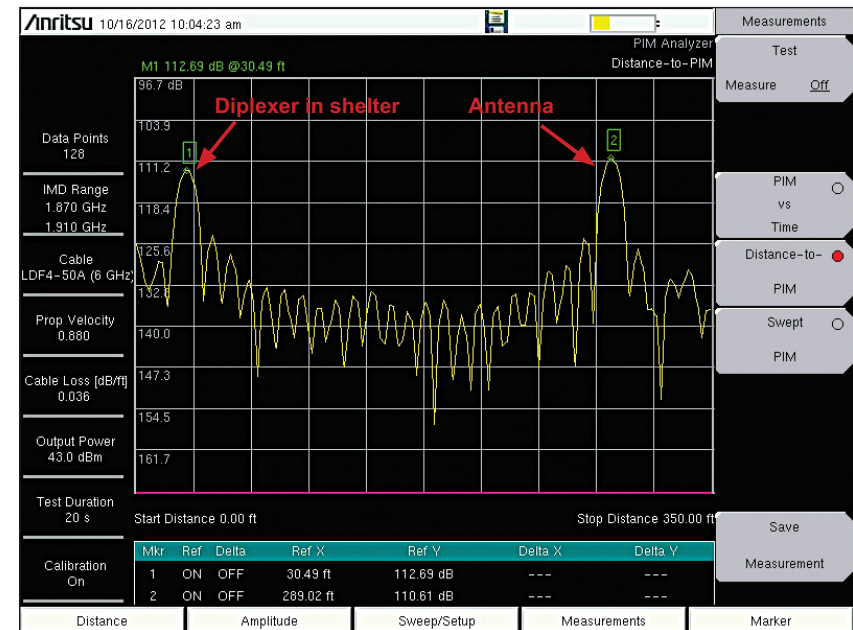
Frequency Options (must order one)	
Model Number	Description
MW82119A-0700	LTE 700 MHz (Lower and Upper Bands)
MW82119A-0850	Cellular 850 MHz
MW82119A-0900	E-GSM 900 MHz
MW82119A-0180	DCS 1800 MHz
MW82119A-0190	PCS 1900 MHz
MW82119A-0192	PCS/AWS 1900/2100 MHz



CONNECTOR PANEL ON LEFT SIDE OF MW82119A

Other Options	
Model Number	Description
MW82119A-0019	High Accuracy Power Meter (requires USB power sensor)
MW82119A-0031	GPS Receiver (requires GPS antenna)

Optional Accessories	
Model Number	Description
760-259-R	MW82119A Transit Case
2000-1716-R	PIM Master™ Accessory Kit with 2.75 m Armored Test Cable and Hard Case
67135	Backpack for Accessories
10580-00315	Certified PIM Master™ PIM Measurement Training Course



Distance-to-PIM™ (DTP)
PIM Level (dB) vs. Distance (ft or m)

Pricing | Ordering | Training | Support

www.anritsu.com or 1-800-267-4878