

PIM Master™

Battery-operated Passive Intermodulation Analyzer

APT 700

700 MHz

Cellular Band

850 MHz

LTE 2600

2600 MHz

LTE 700

700 MHz

E-GSM Band

900 MHz

PCS/AWS Bands

1900/2100 MHz

LTE 800

800 MHz

DCS Band

1800 MHz

UMTS Band

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	>3.0 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)
Noise Floor	Noise Floor vs. Time at selected IM product frequency and Noise Floor vs. Frequency over Rx band

Options

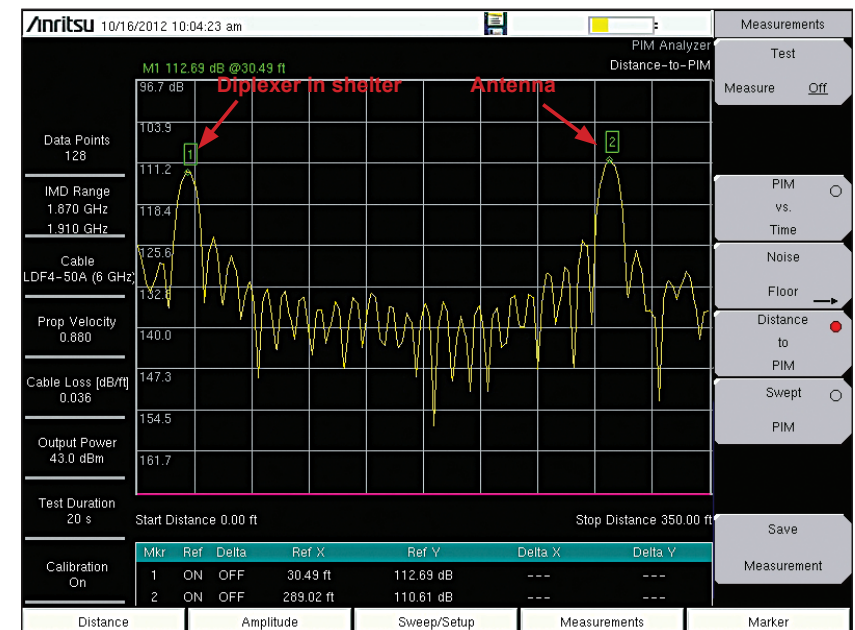
Model Number	Description
MW82119A	PIM Master™ Passive Intermodulation Analyzer (Must be ordered with ONE frequency option)

Frequency Options (Must order one, and one only)

MW82119A-0702	APT 700
MW82119A-0700	LTE 700 (Lower and Upper Bands)
MW82119A-0800	LTE 800
MW82119A-0850	Cellular 850
MW82119A-0900	E-GSM 900
MW82119A-0180	DCS 1800
MW82119A-0193	PCS/AWS 1900/2100
MW82119A-0210	UMTS 2100
MW82119A-0260	LTE 2600

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

Optional Accessories	
760-259-R	Transit case (Holds MW82119A PIM Analyzer only)
760-265-R	Transit case (Holds MW82119A PIM Analyzer plus accessories)
2000-1746-R	PIM Master™ Hard Case Accessory Kit
2000-1745-R	PIM Master™ Backpack Accessory Kit
10580-00370	Certified PIM Master™ PIM Measurement Training Course



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



CONNECTOR PANEL ON LEFT SIDE OF
MW82119A

Pricing | Ordering | Training | Support

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