



# PIM Hunter™

## Passive Intermodulation Probe

### 2000-1884-R

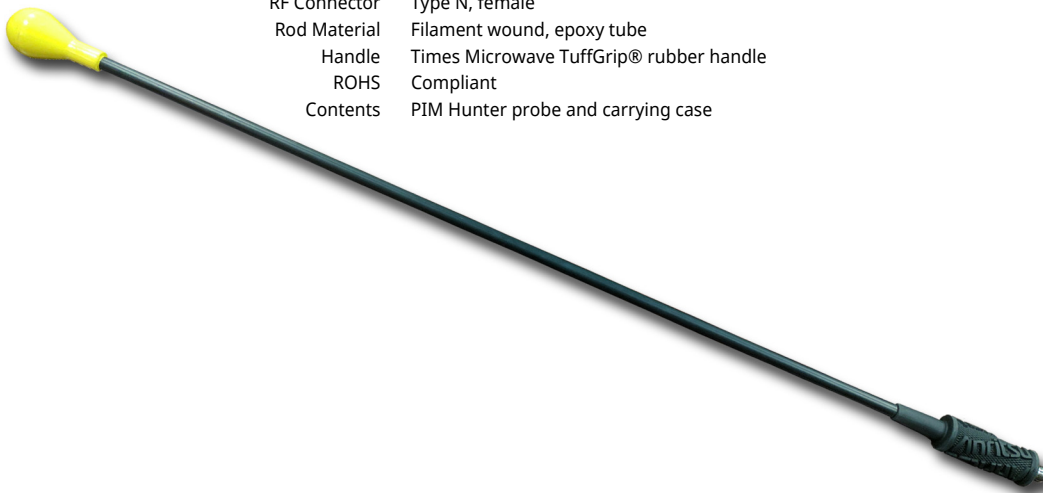
Used to pinpoint external PIM (outside an antenna system), PIM Hunter™ is a specialized antenna to identify IM products from 600 MHz to 2700 MHz.

PIM Hunter operates with the MS2720T Spectrum Master™ or the MT8220T BTS Master™ in burst detect sweep mode and with a bandpass filter. PIM Hunter can also be used with the Spectrum Master™ MS2712E/MS2713E, Cell Master™ MT8212E/MT8213E and Site Master™ S332E/S362E with custom settings and a bandpass filter.

PIM Master™ is required to generate the primary test tones to generate IM products for the PIM Hunter to locate.

#### Specifications

Probe Tip Diameter	1.86 inch (±0.05 inch)
Probe Length	35.0 inch (±0.5 inch)
Frequency Range	600 MHz to 2700 MHz
Radiated PIM, 2x 20W	PIM Probe will not generate IM3 > -90 dBm when the probe tip is placed 6 inches in front of a single dipole element antenna. PIM is measured as reverse IM at the antenna test port. (In practice, the PIM probe should not be placed closer than 1 wavelength to the front side of a directional panel antenna. In this condition, the band-pass filter may not have sufficient rejection to prevent erroneous measurements.)
Coupling Variation vs. Probe Orientation	Signal variation is 5 dB or less (typical) when probe is rotated 90° with respect to a vertically oriented diode being radiated by PIM test tones. (Measurement is conducted with tip of probe located 1 inch from diode.)
RF Connector	Type N, female
Rod Material	Filament wound, epoxy tube
Handle	Times Microwave TuffGrip® rubber handle
ROHS	Compliant
Contents	PIM Hunter probe and carrying case



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