

Anritsu envision : ensure

PIM Hunter™

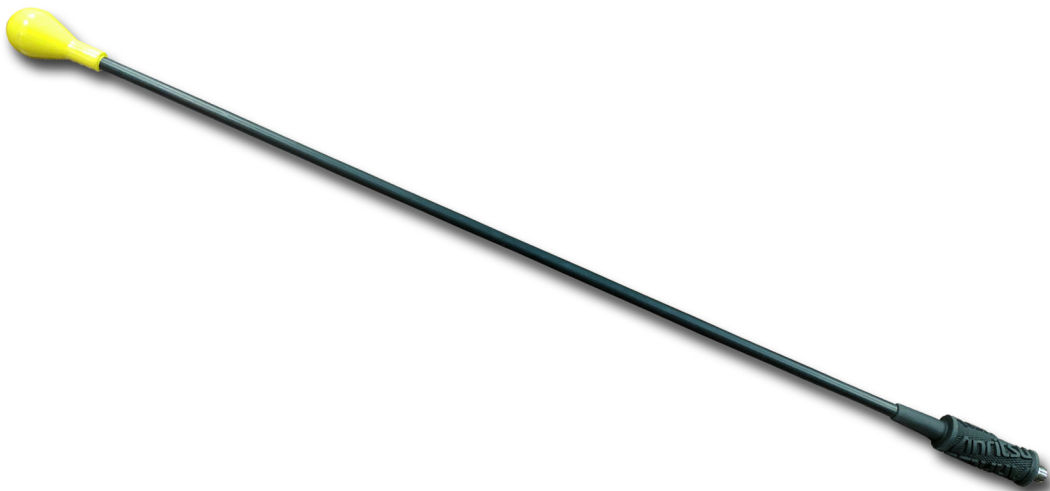
Passive Intermodulation Probe

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 that result in the 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

Regulatory Compliance

European Union	CISPR 11/EN 55011, IEC/EN 61000-4-2/3/4/5/6/8/11 Safety EN 61010-1:2010 RoHS Directive 2011/65/EU
Australia and New Zealand	RCM AS/NZS 4417:2012
South Korea	KCC-REM-A21-0004

Bandpass Filters (sold separately)

The Anritsu bandpass filters listed below are designed to be used with the 2000-1884-R PIM Hunter™ and MA2700A InterferenceHunter™ systems, and can be used in a variety of applications as a general purpose bandpass filter. The bands offered cover common cellular uplink frequencies. Refer to the bandpass filters technical data sheet, PN: 11410-00719, for more information.



Part Number	Description
2000-1798-R	Port Extender, DC to 6 GHz
2000-1734-R	699 MHz to 715 MHz, N(m) and N(f), 50 Ω
2000-1735-R	776 MHz to 788 MHz, N(m) and N(f), 50 Ω
2000-1736-R	815 MHz to 850 MHz, N(m) and N(f), 50 Ω
2000-1737-R	1711 MHz to 1756 MHz, N(m) and N(f), 50 Ω
2000-1738-R	1850 MHz to 1910 MHz, N(m) and N(f), 50 Ω
2000-1739-R	880 MHz to 915 MHz, type N(m) and N(f), 50 Ω
2000-1740-R	1710 MHz to 1785 MHz, type N(m) and N(f), 50 Ω
2000-1741-R	1920 MHz to 1980 MHz, type N(m) and N(f), 50 Ω
2000-1742-R	832 MHz to 862 MHz, type N(m) and N(f), 50 Ω
2000-1743-R	2500 MHz to 2570 MHz, type N(m) and N(f), 50 Ω
2000-1799-R	2305 MHz to 2320 MHz, type N(m) and N(f), 50 Ω
2000-1911-R	703 MHz to 748 MHz, type N(m) and N(f), 50 Ω
2000-1912-R	788 MHz to 798 MHz, type N(m) and N(f), 50 Ω
2000-1925-R	663 MHz to 698 MHz, type N(m) and N(f), 50 Ω
2000-1926-R	776 MHz to 806 MHz, type N(m) and N(f), 50 Ω

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