

PIM Master™ – MW82119B Passive Intermodulation (PIM) Analyzer with Site Master™ Cable & Antenna Analyzer Option

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MW82119B – New 3rd Generation PIM Master™



Integrated Test Solution

- One instrument certifies both PIM and Sweep performance
- Fewer transit cases to carry to the site
- Fewer instruments to hoist to the top of tower
- Both test capabilities available when you need them

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MW82119B – Features

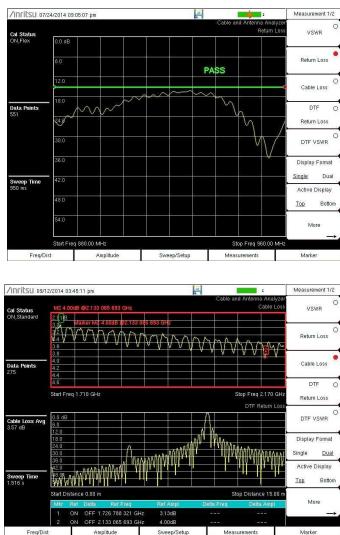
PIM Analyzer test port: 7-16 DIN

Site Master test port: Type-N
(Option 331)



- Designed with separate test ports to maximize sweep test performance
 - Highest accuracy
 - Widest sweep bandwidth

Site Master™ Cable & Antenna Analyzer (Option 331)



Measurements

- Return Loss, VSWR,
- Cable Loss
- Distance-to-Fault (DTF)
- 1-port Phase
- Smith Chart

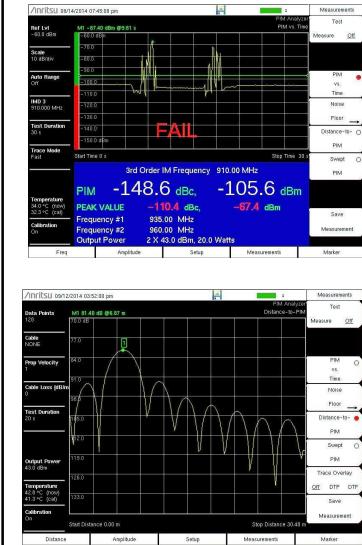
Performance expected from a Site Master™

- 2 MHz to 3 GHz
- >42 dB directivity
- -4 dBm output power
- Interference immunity

Features expected from a Site Master™

- Dual screen display
- Quick-name matrix
- Flex Cal

PIM Master™ Passive Intermodulation (PIM) Analyzer



Measurements

- PIM vs. Time
- Swept PIM
- Distance-to-PIM (DTP)
- Noise Floor

Frequency Options

- MW82119B-0700 – LTE 700 MHz (Upper & Lower)
- MW82119B-0702 – APT 700 MHz
- MW82119B-0800 – LTE 800 MHz
- MW82119B-0850 – Cellular 850 MHz
- MW82119B-0900 – E-GSM 900 MHz
- MW82119B-0180 – DCS 1800 MHz
- MW82119B-0194 – PCS/AWS 1900/2100 MHz
- MW82119B-0210 – UMTS 2100 MHz
- MW82119B-0260 – LTE 2600 MHz

Test power - 20 dBm (0.1 W) to 46 dBm (40 W)

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5

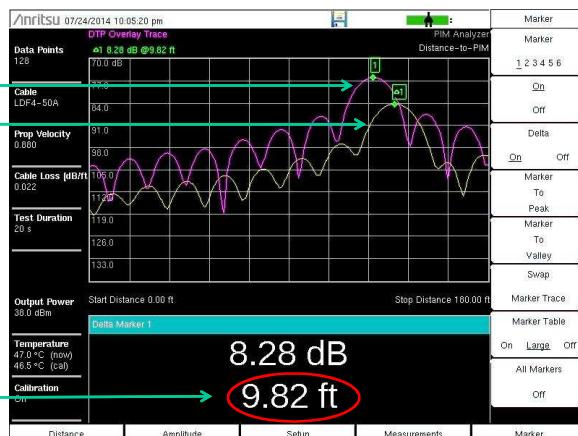
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DTP / DTP Trace Overlay (existing capability)

PIM marker DTP trace

Active DTP trace

Distance between
PIM marker &
unknown PIM source

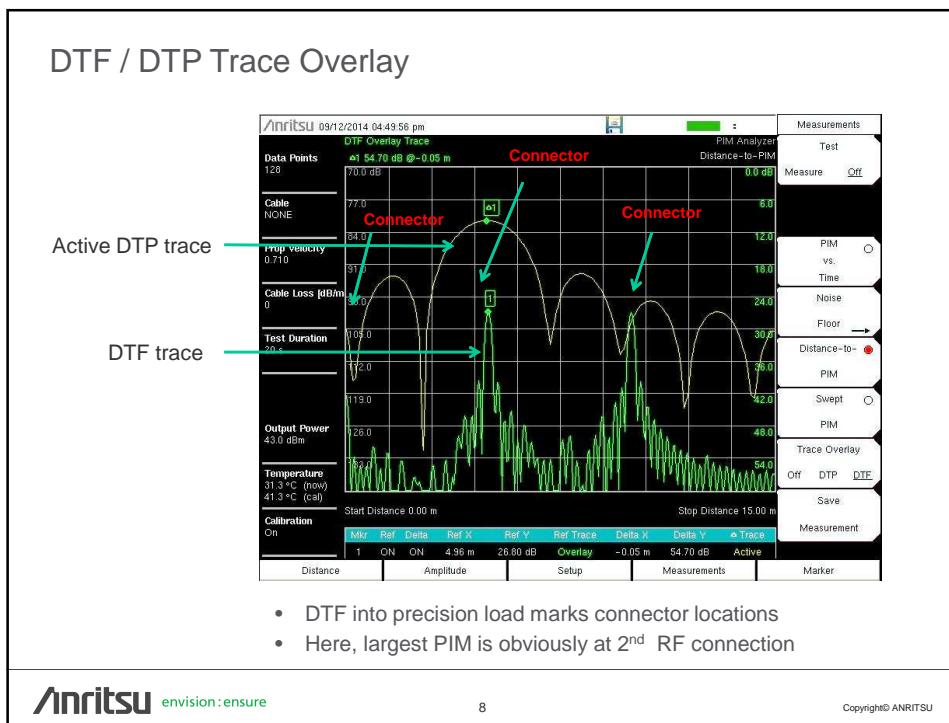
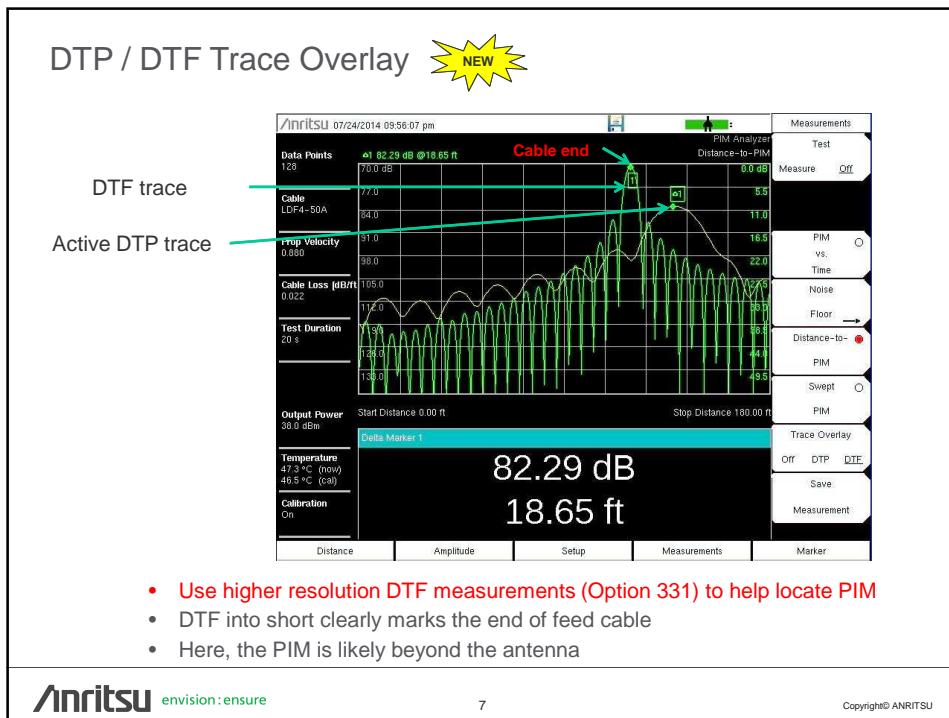


- DTP / DTP overlay is an unique Anritsu PIM Master capability
- Use to identify PIM beyond the antenna
- Use to show "before" vs. "after" results

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6

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MW82119B – New features



MW82119B – New features



MW82119B – New Environmental tests

MIL-STD-810G Transit Drop Test

- 48 in (1.2m) drop height
- Each edge, corner, face
- 26 drops total



IP54 rating

- Blowing dust
- Water spray



Questions?

