

PIM Site Analyzer alpha

Product Overview

The Rosenberger portable and multifunctional broadband PIM Site Analyzer alpha provides the best alternative of performing the most precise and efficient PIM tests on site.

The PIM Site Analyzer consists of a single Master Unit with band-specific, interchangeable filter units, since the form factor of the filter units is the same. Take out one filter unit, e.g., 900 MHz, and replace with another filter unit, e.g., 1800 MHz, without any calibration of the filter unit, potential adaptors, test cable, or operational mode(s). Future-proof Plug and Play concept covering 700 to 2700 MHz.

Features

- Optional broadband VSWR/RL module incl. DTF measurement (error correction with open/short/match)
- Built-in WiFi for remote control via optional Android tablet
- Operation via batteries or external power supply
- VSWR/return loss measurements
- Antenna isolation measurement
- Integrated spectrum analyzer
- 12" touchscreen
- Intuitive software operation
- Exchangeable test port adaptors (7-16 and 4.3-10)

Benefits

- Broadband Base Unit 700 - 2700 MHz with field interchangeable, band-specific filter units
- Stressed PIM tests – continuous wave (CW) signal simulates real operating conditions of the base station (in conformity with IEC 62037-1)
- Outstanding PIM performance <-125 dBm (<-130 dBm typ.)
- No on-site calibration
- Accuracy of < 0.3 m for PIM Distance to Fault (DTF) measurement § Future-proof for upcoming bands § Hardware ready for later CPRI SW upgrade

General Specifications

| Model | PIM Site Analyzer Alpha |
|--|---|
| IM Order | 3rd, 5th, 7th, 9th, 11th, 13th, 15th, 17th |
| Output Power | 26– 49 dBm equals 23 – 46 dBm at testport |
| PIM vs. Distance Accuracy/Resolution Range | <0.3 m depends on number of PIM sources and accuracy of cable velocity factor < 0.3 m depends on number of PIM sources and accuracy of cable velocity factor |
| Frequency Range (seamless) | 700 ... 2700 MHz |
| Filter Units* | Interchangeable to frequency band(s) 700, 800, 900, 1800, 1900, 2100, 2600 MHz |

