

# 4G LTE Series PIM Analyzers

4G LTE Series PIM Analyzers is appropriate for 4G LTE communication frequency band. It is used for measuring PIM on broadband passive components (such as base station antenna, RF connector, cavity filter, arrester, jump cable, low PIM termination, etc). A multi-band PIM analyzer can be configured by stacking several single-band analyzers. It has two measurement models---"Production Mode" and "Engineering Mode" which makes more convenient and accurate observation and analysis of the results of measurement.



## PRODUCT FEATURES

- Fully configurable frequencies, power and IM products
- High integration density, no need to build complicated platform
- Simple to operate, user-friendly, bilingual (English/Chinese)
- Reflect (standard) and Transmit (option)
- Bar code scanning (option)
- All frequency bands of 4G LTE are covered in PIM testing
- Analyzed results can be exported in format of Microsoft Word/Excel/PDF
- Three methods of measurement: dot frequency, sweep frequency, time domain

## Technical Specifications

### System

Measurement Method	Reverse (Reflected) PIM / Transmitted PIM
Reflected Residual PIM	< -165dBc@2x+43dBm
Transmitted Residual PIM	< -163dBc@2x+43dBm
Test Port	2x7-16 DIN Female

User Interface	4×USB ,1×LAN
Display	Local - 18 inch touch screen display
Intermodulation order	IM3 / IM5 / IM7 / IM9

## Transmitter

Frequency Increment	200kHz/500kHz/1MHz/2MHz/5MHz
Frequency Accuracy	±3ppm
Power per tone (adjustable)	2×1 to 25W (+30 to +44dBm in 1dB increments)
Power Accuracy	±0.5dBm
Reverse Power Protection	100W

## Receiver

Measurement Noise Floor	<-138dBm
Measurement Range	-55dBm to -138dBm
Receive Accuracy	≤±0.5@-100dBm

## Electrical

Power Source	AC 175-250V,50Hz
Power	450W
Warm Up Time	3 Minutes

## Mechanical

Dimensions/Weight	485×149×520mm (W×H×D)×2 /approx 30kg
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## Environmental

Operating Temperature Range	-5 °C to +35°C
Protection Grade	Indoor Use
Relative Humidity	5% to 90% RH no-condensing

## Models

DESCRIPTION	Transmit Frequency band
PIM700S-L LTE	728-746MHz
PIM700S-H LTE	746-768MHz
PIM1900S-F F frequency band	1880-1900MHz
PIM2100S-A A frequency band	2017.5-2025MHz
PIM2600S-D D frequency band	2627.5-2635 MHz

\*Customized